*Radiation Report*

# *TPS7H3014-SP Total Ionizing Dose (TID)*


**ABSTRACT**

This report discusses the total ionizing dose (TID) parametric results for TPS7H3014-SP, Texas Instruments, 3V to 14V, four-channel radiation-hardness-assured power-supply sequencer. The study was done to determine the TID effects under high dose rate (HDR) up to 100krad(Si). The results show that all samples passed within the specified limits up to 100krad(Si).


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## 1 Device Information

### 1.1 Product Description

The TPS7H3014-SP is an integrated, 3V to 14V, four-channel radiation-hardness-assured power-supply sequencer. Channel count can be expanded by connecting multiple devices in a daisy-chain configuration. The device provides sequence up and down control signals for integrated circuits (IC) with active high (*on*) inputs. In addition SEQ_DONE and PWRGD flags are provided to monitor the sequence and power status of the monitored power tree.




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An accurate 599mV ±1% threshold voltage and a 24µA ±3% hysteresis current provide programmable rise and fall monitoring voltages. The rise and fall delay time is globally programmed through a single resistor. A time-to-regulation timer is provided to track the rising voltage on SENSEx.

In addition to these features, a FAULT detection pin is incorporated to monitor internally generated faults and provide increased system level reliability for power sequencing space applications.

The TPS7H3014-SP is packaged in a 22-pin CFP (ceramic flat package) package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2320101VXC.

## 1.2 Device Details

Table 1-1 lists the device information used in this TID HDR characterization.

**Table 1-1. Device and Exposure Details**

| TID Exposure Details | |
|---|---|
| TI Device | TPS7H3014-SP |
| TI Part Name | 5962R2320101VXC |
| Package | 22-pin CFP<br>(HFT) |
| Technology | LBC7 |
| Quantity Tested | 50 |
| Lot Accept/Reject | All levels tested and passed up to 100krad(Si) |
| HDR Radiation Facility | Texas Instruments, Dallas, TX |
| HDR Dose Level | 3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), 100 krad(Si) |
| HDR Dose Rate | 183.827rads(Si)/s (183.819 to 183.831rad(Si)/s) |
| HDR Radiation Source | Gammacell (Hopewell, GR420) Co-60 |
| Irradiation Temperature | Ambient room temperature |

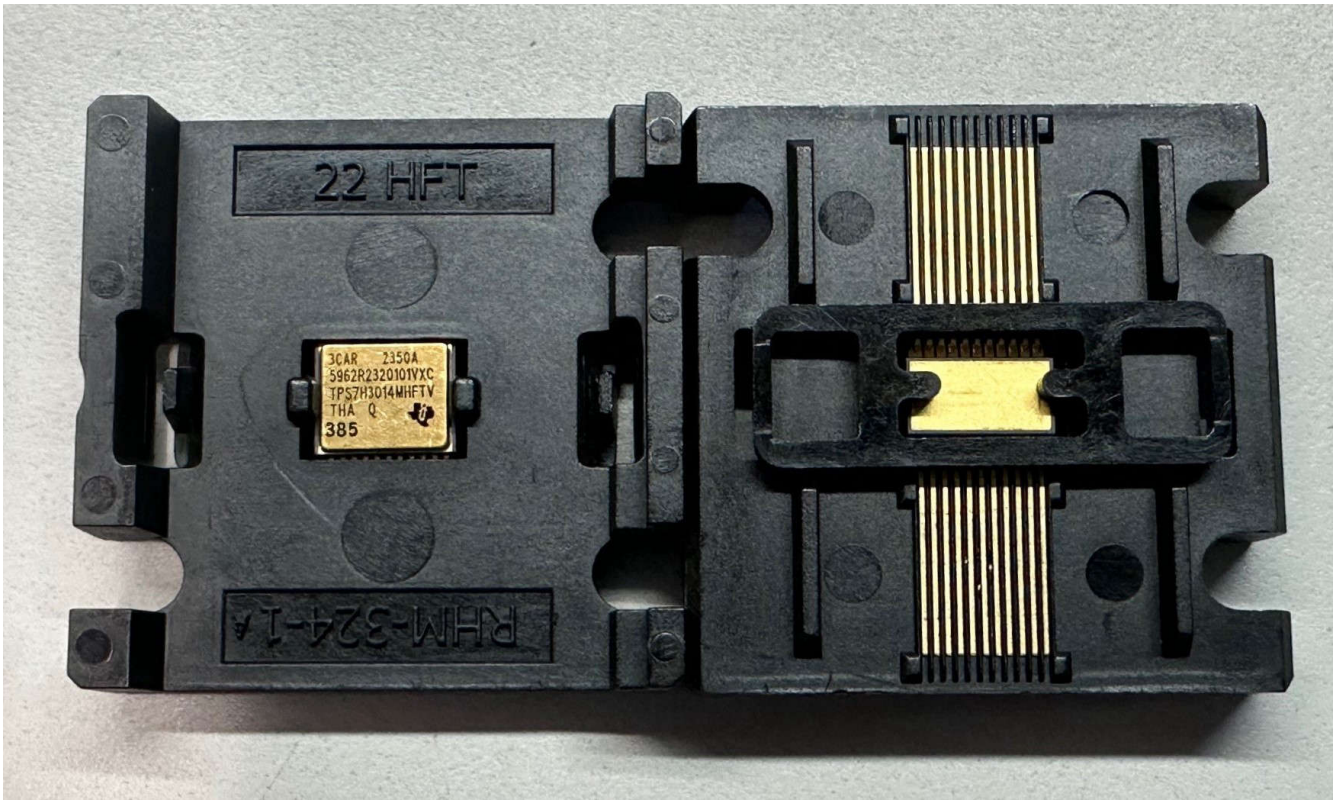


**Figure 1-1. TPS7H3014-SP Device**



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# 2 Total Dose Test Setup

## 2.1 Test Overview

The TPS7H3014-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices remained functional passing all parametric test limits.

## 2.2 Test Description and Facilities

The TPS7H3014-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at TI facility in Dallas, Texas. The unattenuated dose rate of this cell is 183.827rads(Si)/s (183.819 to 183.831rad(Si)/s). After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post-radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post-radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-radiation measurements.

## 2.3 Test Setup Details

The devices under HDR exposure were tested in two conditions (biased and unbiased) as described in the following sections.

### *2.3.1 Unbiased*

For the unbiased HDR conditions, the exposure was performed with all pins grounded.

### *2.3.2 Biased*

Figure 2-1 shows the diagram for HDR exposure with biased condition.

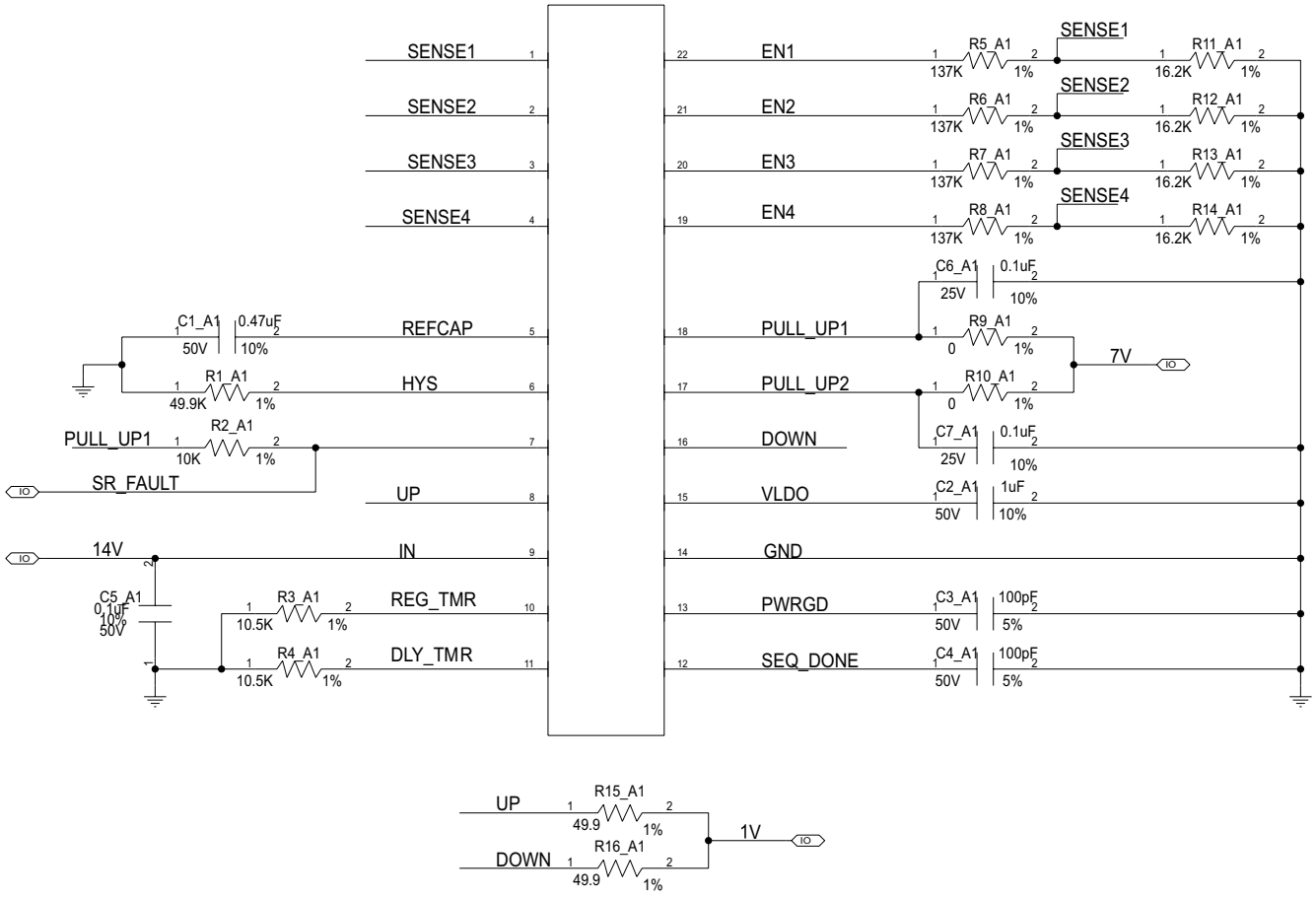


**Figure 2-1. Bias Diagram Used in TID Exposure**


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## 2.4 Test Configuration and Condition

HDR devices were stressed at 3 krad(Si), 10 krad(Si), 30 krad(Si), 50 krad(Si), and 100 krad(Si) for biased and unbiased conditions.

**Table 2-1. HDR: 3krad(Si) to 100krad(Si)/s Biased Device Information**

| **Total Samples: 25** | | | | |
|---|---|---|---|---|
| **Exposure Levels** | | | | |
| 3 krad(Si) | 10 krad(Si) | 30 krad(Si) | 50krad(Si) | 100krad(Si) |
| 25, 26, 27, 28, 29 | 35, 36, 37, 38, 39 | 45, 46, 47, 48, 49 | 55, 56, 57, 58, 59 | 65, 66, 67, 68, 69 |

**Table 2-2. HDR: 3krad(Si) to 100krad(Si)/s Unbiased Device Information**

| **Total Samples: 25** | | | | |
|---|---|---|---|---|
| **Exposure Levels** | | | | |
| 3 krad(Si) | 10 krad(Si) | 30 krad(Si) | 50krad(Si) | 100krad(Si) |
| 20, 21, 22, 23, 24 | 30, 31, 32, 33, 34 | 40, 41, 42, 43, 44 | 50, 51, 52, 53, 54 | 60, 61, 62, 63, 64 |



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# 3 TID Characterization Test Results

## 3.1 TID Characterization Summary Results

The parametric data for the TPS7H3014-SP passes up to 100krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H3014-SP showed a strong degree of hardness to HDR TID irradiation up to 100krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The parameters that did show a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See *TPS7H3014-SP Radiation-Hardeness-Assured, 14-V, 4-Channel Sequencer* data sheet for the data sheet electrical parameters and associated tests.

See Appendix A for HDR report up to 100krad(Si).


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## 3.2 Specification Compliance Matrix

### 3.2.1 Electrical Characteristics

| Parameter | Test Conditions | Sub-Group | MIN | TYP | MAX | UNIT | Test Number |
|---|---|---|---|---|---|---|---|
| **SUPPLY VOLTAGES AND CURRENTS** | | | | | | | |
| $V_{IN}$ quiescent current | In waiting to sequence up and down states with all outputs floating. | 1, 2, 3 | | 2.5 | 4 | mA | 6.0 and 6.1 |
| $V_{IN}$ rising undervoltage lockout | | 1, 2, 3 | 2.72 | 2.79 | 2.84 | V | 6.124 |
| $V_{IN}$ falling undervoltage lockout | | 1, 2, 3 | 2.59 | 2.64 | 2.69 | | 6.125 |
| Internal linear regulator output voltage | 5V ≤ $V_{IN}$ ≤ 14V | 1, 2, 3 | 3.19 | 3.29 | 3.38 | V | 6.3 |
| | $V_{IN}$ < 3.24V | 1, 2, 3 | 97% | 99% | | × $V_{IN}$ | 6.2 |
| Internal bandgap voltage | | 1, 2, 3 | 1.188 | 1.2 | 1.212 | V | 6.4 and 6.5 |
| Power on reset voltage | 1.6V ≤ $V_{PULL_UPx}$ ≤ 7V, $V_{OL}$ ≤ 320mV with $I_{ENx}$ = –2mA | 1, 2, 3 | | 1.41 | 2 | | 6.126, 6.127, 6.128, 6.129, 6.130, 6.131, 6.132, 6.133, 6.134, 6.135, 6.136, 6.137 |
| Power on reset voltage | $V_{IN}$ = 0V, $V_{OL}$ ≤ 320mV with $I_{ENx}$ = –100µA | 1, 2, 3 | | 0.89 | 1.4 | | 6.138, 6.139, 6.14, 6.141, 6.142, 6.143 |
| **SENSE1 TO SENSE4, UP AND $\overline{DOWN}$ COMPARATOR INPUTS** | | | | | | | |
| Threshold voltage at SENSEx | | 1, 2, 3 | 593 | 599 | 605 | mV | 13.3, 13.4, 13.5, 13.6, 13.7, 13.8, 13.9, 13.1, 13.14, 13.15, 13.16,13.17, 13.18, 13.19, 13.2,13.21, 13.25, 13.26, 13.27,13.28, 13.29, 13.3,13.31, 13.32, 13.36, 13.37, 13.38,13.39, 13.4, 13.41, 13.42, 13.43 |
| SENSEx hysteresis current | $V_{SENSEx}$ = 700mV | 1, 2, 3 | 23.28 | 24 | 24.72 | µA | 6.2, 6.21, 6.22, 6.23, 6.24, 6.25, 6.26, 6.27 |
| Input leakage current at SENSEx | $V_{SENSEx}$ = 500mV | 1, 2, 3 | | 2 | 100 | nA | 6.9, 6.10, 6.11, 6.12 |
| Rising threshold voltage at UP | $V_{UP}$ rising to 1V | 1, 2, 3 | 580 | 598 | 615 | mV | 13.1, 13.12, 13.23, 13.34 |
| Falling threshold voltage at $\overline{DOWN}$ | $V_{\overline{DOWN}}$ falling from 1V | 1, 2, 3 | 483 | 498 | 512 | mV | 13.2, 13.13, 13.24, 13.35 |
| UP and DOWN hysteresis voltage | | 1, 2, 3 | | 100 | | mV | 13.11, 13.22, 13.33, 13.44 |
| Input leakage current at UP and $\overline{DOWN}$ | $V_{UP}$ = $V_{\overline{DOWN}}$ = 500mV | 1, 2, 3 | | 2 | 100 | nA | 6.7, 6.8, 6.14, 6.15 |
| Channel 2, 3, 4 turn off voltage | | 1, 2, 3 | 87% | 89% | 91% | × VLDO | 6.144, 6.145, 6.146 |
| **EN1 TO EN4, SEQ_DONE AND PWRGD PUSH PULL OUTPUTS** | | | | | | | |
| Low-level ENx output voltage | 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | $I_{LOAD}$ = –2mA | 1, 2, 3 | | | 10% | x $V_{PULL_UP1}$ | 6.52, 6.53, 6.54, 6.55, 6.58, 6.59, 6.6, 6.61, 6.64, 6.65, 6.66, 6.67, 6.7, 6.71, 6.72, 6.73 |
| | | $I_{LOAD}$ = –10mA | 1, 2, 3 | | | 25% | | 6.1, 6.101, 6.102, 6.103, 6.106A, 6.107, 6.108, 6.109, 6.112, 6.113, 6.114, 6.115, 6.118, 6.119, 6.12, 6.121 |
| High-level ENx output voltage | 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | $I_{LOAD}$ = 2mA | 1, 2, 3 | 90% | | | | 6.28, 6.29, 6.3, 6.31, 6.34, 6.35, 6.36, 6.37, 6.4, 6.41, 6.42, 6.43, 6.46, 6.47, 6.48, 6.49 |
| | | $I_{LOAD}$ = 10mA | 1, 2, 3 | 70% | | | | 6.76, 6.77, 6.78, 6.79, 6.82, 6.83, 6.84, 6.85, 6.88, 6.89, 6.9, 6.91, 6.94, 6.95, 6.96, 6.97 |



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### 3.2.1 Electrical Characteristics (continued)

| Parameter | Test Conditions | | Sub-Group | MIN | TYP | MAX | UNIT | Test Number |
|---|---|---|---|---|---|---|---|---|
| Low-level SEQ_DONE output voltage | 1.6V ≤ $V_{PULL_UP2}$ ≤ 7V | $I_{LOAD}$ = –2mA | 1, 2, 3 | | | 10% | x $V_{PULL_UP2}$ | 6.56, 6.62, 6.68, 6.74 |
| | | $I_{LOAD}$ = –10mA | 1, 2, 3 | | | 25% | | 6.104, 6.11, 6.116, 6.122 |
| High-level SEQ_DONE output voltage | 1.6V ≤ $V_{PULL_UP2}$ ≤ 7V | $I_{LOAD}$ = 2mA | 1, 2, 3 | 90% | | | | 6.32, 6.38, 6.44, 6.5 |
| | | $I_{LOAD}$ = 10mA | 1, 2, 3 | 70% | | | | 6.8, 6.86, 6.92, 6.98 |
| Low-level PWRGD output voltage | 1.6V ≤ $V_{PULL_UP2}$ ≤ 7V | $I_{LOAD}$ = –2mA | 1, 2, 3 | | | 10% | | 6.57, 6.63, 6.69, 6.75 |
| | | $I_{LOAD}$ = –10mA | 1, 2, 3 | | | 25% | | 6.105, 6.111, 6.117, 6.123 |
| High-level PWRGD output voltage | 1.6V ≤ $V_{PULL_UP2}$ ≤ 7V | $I_{LOAD}$ = 2mA | 1, 2, 3 | 90% | | | | 6.33, 6.39, 6.45, 6.51 |
| | | $I_{LOAD}$ = 10mA | 1, 2, 3 | 70% | | | | 6.81, 6.87, 6.93, 6.99 |
| PULL_UPx leakage current | $V_{PULL_UPx}$ = 7V | | 1, 2, 3 | | 48 | 121 | µA | 6.148, 6.149, 6.150, 6.151 |
| Enable rising output voltage slew rate | 10% to 90% of $V_{PULL_UP1}$, $R_{LOAD}$ = 50kΩ, $C_{LOAD}$ = 100pF | 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | 9, 10, 11 | 17 | 125 | | V/µs | 19.0, 19.1, 19.2, 19.3, 19.12, 19.13, 19.14, 19.15, 19.24, 19.25, 19.26, 19.27, 19.36, 19.37, 19.38, 19.39 |
| SEQ_DONE rising output voltage slew rate | 10% to 90% of $V_{PULL_UP2}$, $R_{LOAD}$ = 50kΩ, $C_{LOAD}$ = 100pF | 1.6V ≤ $V_{PULL_UP2}$ ≤ 7V | 9, 10, 11 | 17 | 125 | | | 19.5, 19.17, 19.29, 19.41 |
| PWRGD rising output voltage slew rate | | | 9, 10, 11 | 17 | 125 | | | 19.4, 19.16, 19.28, 19.4 |
| Enable falling output voltage slew rate | 90% to 10% of $V_{PULL_UP1}$, $R_{LOAD}$ = 50kΩ, $C_{LOAD}$ = 100pF | 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | 9, 10, 11 | 44 | 126 | | | 19.6, 19.7, 19.8, 19.9, 19.18, 19.19, 19.2, 19.21, 19.3, 19.31, 19.32, 19.33, 19.42, 19.43, 19.44, 19.45 |
| SEQ_DONE falling output voltage slew rate | | 1.6V ≤ $V_{PULL_UP2}$ ≤ 7V | 9, 10, 11 | 44 | 126 | | | 19.11, 19.23, 19.35, 19.47 |
| PWRGD falling output voltage slew rate | | | 9, 10, 11 | 44 | 126 | | | 19.1, 19.22, 19.34, 19.46 |
| EN PMOS source output resistance | $I_{LOAD}$ = 2mA | 1.6V ≤ $V_{PULL_UP1}$ ≤ 3.3V | 1, 2, 3 | | 18 | 40 | Ω | 18.0, 18.1, 18.2, 18.3, 18.6, 18.7, 18.8, 18.9 |
| | | 3.3V ≤ $V_{PULL_UP1}$ ≤ 7V | 1, 2, 3 | | 7 | 20 | | 18.12, 18.13, 18.14, 18.15, 18.18, 18.19, 18.20, 18.21 |
| SEQ_DONE PMOS source output resistance | $I_{LOAD}$ = 2mA | 1.6V ≤ $V_{PULL_UP2}$ ≤ 3.3V | 1, 2, 3 | | 18 | 40 | | 18.5, 18.11 |
| | | 3.3V ≤ $V_{PULL_UP2}$ ≤ 7V | 1, 2, 3 | | 7 | 20 | | 18.17, 18.23 |
| PWRGD PMOS source output resistance | $I_{LOAD}$ = 2mA | 1.6V ≤ $V_{PULL_UP2}$ ≤ 3.3V | 1, 2, 3 | | 18 | 40 | | 18.4, 18.1 |
| | | 3.3V ≤ $V_{PULL_UP2}$ ≤ 7V | 1, 2, 3 | | 7 | 20 | | 18.16, 18.22 |
| EN NMOS sink output resistance | $I_{LOAD}$ = –2mA, 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | | 1, 2, 3 | | 7 | 28 | | 18.24, 18.25, 18.26,18.27, 18.3, 18.31, 18.32,18.33, 18.36, 18.37, 18.38,18.39, 18.42, 18.43, 18.44, 18.45 |
| SEQ_DONE NMOS sink output resistance | $I_{LOAD}$ = –2mA, 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | | 1, 2, 3 | | 7 | 28 | | 18.29, 18.35, 18.41, 18.47 |
| PWRGD NMOS sink output resistance | $I_{LOAD}$ = –2mA, 1.6V ≤ $V_{PULL_UP1}$ ≤ 7V | | 1, 2, 3 | | 7 | 28 | | 18.28, 18.34, 18.40, 18.46 |


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### 3.2.1 Electrical Characteristics (continued)

| Parameter | Test Conditions | Sub-Group | MIN | TYP | MAX | UNIT | Test Number |
|---|---|---|---|---|---|---|---|
| **$\overline{\text{FAULT}}$ OUTPUT** | | | | | | | |
| $\overline{\text{FAULT}}$ pull down resistance | $I_{\overline{\text{FAULT}}}$ = 100µA | 1, 2, 3 | | 131 | 512 | Ω | 18.48, 18.49 |
| $\overline{\text{FAULT}}$ leakage current | $V_{\overline{\text{FAULT}}}$ = 7V | 1, 2, 3 | | 23 | 600 | nA | 6.6, 6.13 |
| **DELAY AND TIME TO REGULATION TIMERS** | | | | | | | |
| Delay time | $R_{DLY_TMR}$ = 10.5kΩ | 1, 2, 3 | 0.205 | 0.268 | 0.342 | ms | 5.48, 5.49, 5.5, 5.51, 5.52, 5.53, 5.54, 5.55, 5.56, 5.57, 5.58, 5.79, 5.8, 5.81, 5.82, 5.83, 5.84, 5.85, 5.86, 5.87, 5.88, 5.89, 5.11, 5.111, 5.112, 5.113, 5.114, 5.115, 5.116, 5.117, 5.118, 5.119, 5.120, 5.141, 5.142, 5.143, 5.144, 5.145, 5.146, 5.147, 5.148, 5.149, 5.15, 5.151 |
| | $R_{DLY_TMR}$ = 619kΩ | 1, 2, 3 | 10.77 | 12.5 | 14.14 | | 5.59, 5.6, 5.61, 5.62, 5.63, 5.64, 5.65, 5.66, 5.67, 5.68, 5.9, 5.91, 5.92, 5.93, 5.94, 5.95, 5.96, 5.97, 5.98, 5.99, 5.121, 5.122, 5.123, 5.124, 5.125, 5.126, 5.127, 5.128, 5.129, 5.130, 5.152, 5.153, 5.154, 5.155, 5.156, 5.157, 5.158, 5.159, 5.16, 5.161 |
| | $R_{DLY_TMR}$ = 1.18MΩ | 1, 2, 3 | 20 | 23.37 | 27.2 | | 5.69, 5.7, 5.71, 5.72, 5.73, 5.74, 5.75, 5.76, 5.77, 5.78, 5.1, 5.101, 5.102, 5.103, 5.104, 5.105, 5.106, 5.107, 5.108, 5.109, 5.131, 5.132, 5.133, 5.134, 5.135, 5.136, 5.137, 5.138, 5.139, 5.140, 5.162, 5.163, 5.164, 5.165, 5.166, 5.167, 5.168, 5.169, 5.170, 5.171 |
| Time to regulation | $R_{REG_TMR}$ = 10.5kΩ | 1, 2, 3 | 0.197 | 0.264 | 0.34 | | 4.0, 4.1, 4.2, 4.3, 4.12,4.13, 4.14, 4.15, 4.24, 4.25, 4.26, 4.27, 4.36, 4.37, 4.38, 4.39 |
| | $R_{REG_TMR}$ = 619kΩ | 1, 2, 3 | 10.8 | 12.4 | 14.1 | | 4.4, 4.5, 4.6, 4.7, 4.16,4.17, 4.18, 4.19, 4.28, 4.29, 4.30, 4.31, 4.40, 4.41, 4.42, 4.43 |
| | $R_{REG_TMR}$ = 1.18MΩ | 1, 2, 3 | 20.3 | 23.63 | 27.2 | | 4.8, 4.9, 4.10, 4.11, 4.20, 4.21, 4.22, 4.23, 4.32, 4.33, 4.34, 4.35, 4.44, 4.45, 4.46, 4.47 |



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### 3.2.2 Timing Requirements

| Parameter | Test Conditions | Sub-Group | MIN | TYP | MAX | UNIT | Test Number |
|---|---|---|---|---|---|---|---|
| Start-up delay time | $V_{REFCAP}$ ≥ 1.1V | 1, 2, 3 | | | 2.8 | ms | 6.147 |
| ENx propagation delay | DLY_TMR = Open, $V_{OVERDRIVE}$ = 10mV, $V_{PULL_UPx}$ = 1.6V, from 50% of IN to 50% OUT | 1, 2, 3 | | 3.4 | 6.5 | µs | 5.0, 5.1, 5.2, 5.3, 5.6, 5.7, 5.8, 5.9, 5.12, 5.13, 5.14, 5.15, 5.18, 5.19, 5.2, 5.21, 5.24, 5.25 5.26, 5.27, 5.3, 5.31, 5.32, 5.33, 5.36, 5.37, 5.38, 5.39, 5.42, 5.43, 5.44, 5.45 |
| SEQ_DONE propagation delay | DLY_TMR = Open, $V_{OVERDRIVE}$ = 10mV | 1, 2, 3 | | 3.4 | 6.5 | | 5.4, 5.1, 5.16, 5.22, 5.28, 5.34, 5.4, 5.46 |
| PWRGD propagation delay | DLY_TMR = Open, $V_{OVERDRIVE}$ = 10mV | 1, 2, 3 | | 3.4 | 6.5 | | 5.5, 5.11, 5.17, 5.23, 5.29, 5.35, 5.41, 5.47 |
| State machine fault propagation delay | Out of order fault | 1, 2, 3 | | 3.4 | 4.3 | | 27.1, 27.2, 27.3, 27.4, 27.5, 27.6, 27.7, 27.8 |
| $V_{UP}$ rising minimum time for valid UP | | 4, 5, 6 | | 0.27 | 0.7 | µs | 25.1, 25.2 |
| $V_{DOWN}$ rising minimum time for valid DOWN | | 4, 5, 6 | | 0.42 | 0.9 | | 25.3, 25.4 |
| Rising threshold on VSENSEx hold time | | 4, 5, 6 | | 0.84 | 1.6 | µs | 26.1, 26.2, 26.3, 26.4, 26.5, 26.6, 26.7, 26.8 |
| Falling threshold on VSENSEx hold time | | 4, 5, 6 | | 0.35 | 1 | µs | 26.9, 26.10, 26.11, 26.12 26.13, 26.14, 26.15, 26.16 |


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# 4 Applicable and Reference Documents

## 4.1 Applicable Documents

- Texas Instruments, *TPS7H3014-SP Radiation-Hardeness-Assured, 14-V, 4-Channel Sequencer*, data sheet.
- Texas Instruments, *TPS7H3014EVM-CVAL Evaluation Module User's Guide*, user's guide.

## 4.2 Reference Documents

Texas Instruments total ionizing dose radiation (total dose) test procedure follows the standards put forth in MIL-STD-883 TM 1019. The document can be found at the DLA website.

# A Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.



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# TID HDR Report
# TPS7H3014-SP

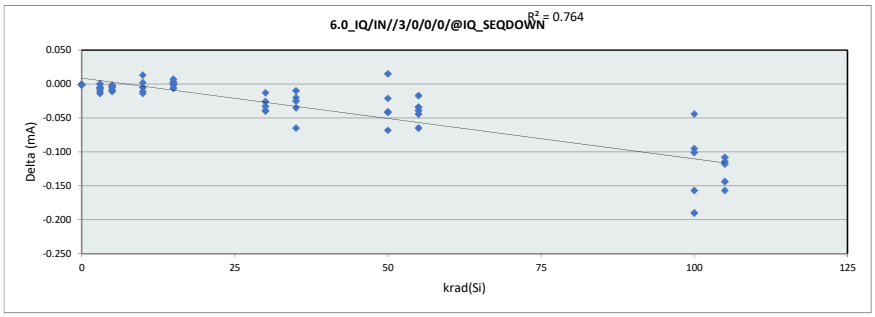
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

# TID HDR Report
# TPS7H3014-SP

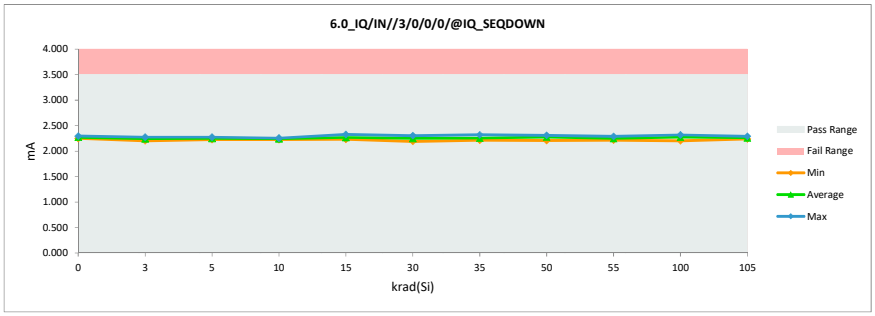
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.0_IQ/IN//3/0/0/0/@IQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mA | mA |
| Max Limit | 4 | 3.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.248 | 2.247 | -0.001 |
| 0 | 14 | 2.294 | 2.293 | -0.001 |
| 0 | 15 | 2.275 | 2.274 | -0.001 |
| 3 | 20 | 2.275 | 2.261 | -0.014 |
| 3 | 21 | 2.208 | 2.203 | -0.005 |
| 3 | 22 | 2.263 | 2.252 | -0.011 |
| 3 | 23 | 2.275 | 2.275 | 0.000 |
| 3 | 24 | 2.231 | 2.224 | -0.007 |
| 5 | 25 | 2.251 | 2.248 | -0.003 |
| 5 | 26 | 2.275 | 2.266 | -0.009 |
| 5 | 27 | 2.251 | 2.246 | -0.005 |
| 5 | 28 | 2.226 | 2.224 | -0.002 |
| 5 | 29 | 2.284 | 2.273 | -0.011 |
| 10 | 30 | 2.235 | 2.248 | 0.013 |
| 10 | 31 | 2.266 | 2.252 | -0.014 |
| 10 | 32 | 2.242 | 2.244 | 0.002 |
| 10 | 33 | 2.258 | 2.253 | -0.005 |
| 10 | 34 | 2.234 | 2.223 | -0.011 |
| 15 | 35 | 2.264 | 2.265 | 0.001 |
| 15 | 36 | 2.232 | 2.231 | -0.001 |
| 15 | 37 | 2.319 | 2.326 | 0.007 |
| 15 | 38 | 2.255 | 2.258 | 0.003 |
| 15 | 39 | 2.268 | 2.262 | -0.006 |
| 30 | 40 | 2.215 | 2.189 | -0.026 |
| 30 | 41 | 2.343 | 2.304 | -0.039 |
| 30 | 42 | 2.279 | 2.246 | -0.033 |
| 30 | 43 | 2.291 | 2.251 | -0.040 |
| 30 | 44 | 2.269 | 2.256 | -0.013 |
| 35 | 45 | 2.264 | 2.254 | -0.010 |
| 35 | 46 | 2.384 | 2.319 | -0.065 |
| 35 | 47 | 2.245 | 2.210 | -0.035 |
| 35 | 48 | 2.278 | 2.258 | -0.020 |
| 35 | 49 | 2.254 | 2.229 | -0.025 |
| 50 | 50 | 2.286 | 2.265 | -0.021 |
| 50 | 51 | 2.272 | 2.204 | -0.068 |
| 50 | 52 | 2.345 | 2.304 | -0.041 |
| 50 | 53 | 2.352 | 2.310 | -0.042 |
| 50 | 54 | 2.292 | 2.307 | 0.015 |
| 55 | 55 | 2.319 | 2.285 | -0.034 |
| 55 | 56 | 2.288 | 2.223 | -0.065 |
| 55 | 57 | 2.266 | 2.249 | -0.017 |
| 55 | 58 | 2.314 | 2.270 | -0.044 |
| 55 | 59 | 2.253 | 2.214 | -0.039 |
| 100 | 60 | 2.484 | 2.294 | -0.190 |
| 100 | 61 | 2.319 | 2.275 | -0.044 |
| 100 | 62 | 2.370 | 2.275 | -0.095 |
| 100 | 63 | 2.360 | 2.203 | -0.157 |
| 100 | 64 | 2.416 | 2.315 | -0.101 |
| 105 | 65 | 2.398 | 2.290 | -0.108 |
| 105 | 66 | 2.359 | 2.241 | -0.118 |
| 105 | 67 | 2.435 | 2.278 | -0.157 |
| 105 | 68 | 2.350 | 2.236 | -0.114 |
| 105 | 69 | 2.394 | 2.250 | -0.144 |
| | Max | 2.484 | 2.326 | 0.015 |
| | Average | 2.295 | 2.258 | -0.037 |
| | Min | 2.208 | 2.189 | -0.190 |
| | Std Dev | 0.060 | 0.032 | 0.049 |




| | 6.0_IQ/IN//3/0/0/0/@ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 3.5 | mA | | | | | | | | | |
| Min Limit | 0 | mA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.247 | 2.203 | 2.224 | 2.223 | 2.231 | 2.189 | 2.210 | 2.204 | 2.214 | 2.203 | 2.236 |
| Average | 2.271 | 2.243 | 2.251 | 2.244 | 2.268 | 2.249 | 2.254 | 2.278 | 2.248 | 2.272 | 2.259 |
| Max | 2.293 | 2.275 | 2.273 | 2.253 | 2.326 | 2.304 | 2.319 | 2.310 | 2.285 | 2.315 | 2.290 |
| UL | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 |

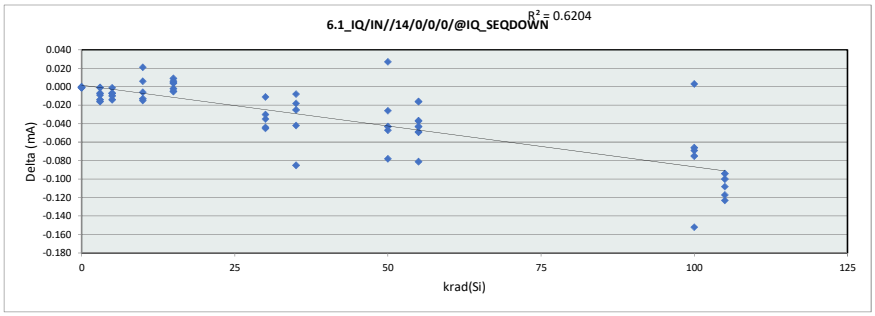


# TID HDR Report
# TPS7H3014-SP

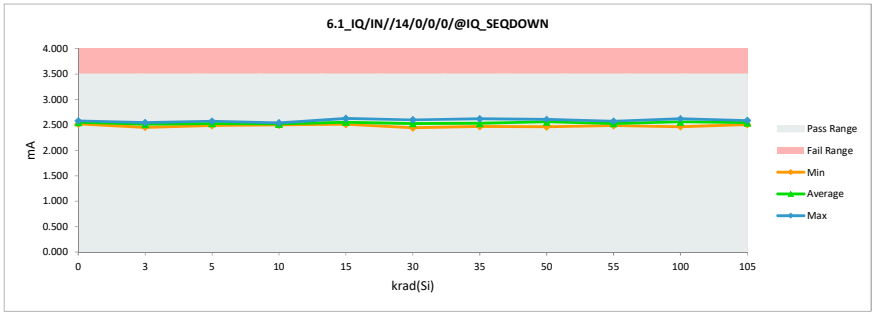
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.1_IQ/IN//14/0/0/0/@1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mA | mA |
| Max Limit | 4 | 3.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.520 | 2.519 | -0.001 |
| 0 | 14 | 2.580 | 2.579 | -0.001 |
| 0 | 15 | 2.554 | 2.554 | 0.000 |
| 3 | 20 | 2.554 | 2.538 | -0.016 |
| 3 | 21 | 2.460 | 2.453 | -0.007 |
| 3 | 22 | 2.551 | 2.537 | -0.014 |
| 3 | 23 | 2.546 | 2.545 | -0.001 |
| 3 | 24 | 2.497 | 2.488 | -0.009 |
| 5 | 25 | 2.519 | 2.512 | -0.007 |
| 5 | 26 | 2.582 | 2.572 | -0.010 |
| 5 | 27 | 2.522 | 2.515 | -0.007 |
| 5 | 28 | 2.486 | 2.485 | -0.001 |
| 5 | 29 | 2.571 | 2.557 | -0.014 |
| 10 | 30 | 2.502 | 2.523 | 0.021 |
| 10 | 31 | 2.555 | 2.540 | -0.015 |
| 10 | 32 | 2.513 | 2.519 | 0.006 |
| 10 | 33 | 2.536 | 2.530 | -0.006 |
| 10 | 34 | 2.511 | 2.498 | -0.013 |
| 15 | 35 | 2.537 | 2.541 | 0.004 |
| 15 | 36 | 2.512 | 2.510 | -0.002 |
| 15 | 37 | 2.617 | 2.626 | 0.009 |
| 15 | 38 | 2.529 | 2.535 | 0.006 |
| 15 | 39 | 2.553 | 2.548 | -0.005 |
| 30 | 40 | 2.473 | 2.443 | -0.030 |
| 30 | 41 | 2.645 | 2.600 | -0.045 |
| 30 | 42 | 2.561 | 2.526 | -0.035 |
| 30 | 43 | 2.577 | 2.533 | -0.044 |
| 30 | 44 | 2.550 | 2.539 | -0.011 |
| 35 | 45 | 2.547 | 2.539 | -0.008 |
| 35 | 46 | 2.704 | 2.619 | -0.085 |
| 35 | 47 | 2.511 | 2.469 | -0.042 |
| 35 | 48 | 2.545 | 2.527 | -0.018 |
| 35 | 49 | 2.520 | 2.495 | -0.025 |
| 50 | 50 | 2.567 | 2.541 | -0.026 |
| 50 | 51 | 2.540 | 2.462 | -0.078 |
| 50 | 52 | 2.629 | 2.586 | -0.043 |
| 50 | 53 | 2.657 | 2.610 | -0.047 |
| 50 | 54 | 2.581 | 2.608 | 0.027 |
| 55 | 55 | 2.610 | 2.573 | -0.037 |
| 55 | 56 | 2.582 | 2.501 | -0.081 |
| 55 | 57 | 2.541 | 2.525 | -0.016 |
| 55 | 58 | 2.606 | 2.557 | -0.049 |
| 55 | 59 | 2.527 | 2.484 | -0.043 |
| 100 | 60 | 2.658 | 2.589 | -0.069 |
| 100 | 61 | 2.570 | 2.573 | 0.003 |
| 100 | 62 | 2.621 | 2.555 | -0.066 |
| 100 | 63 | 2.617 | 2.465 | -0.152 |
| 100 | 64 | 2.697 | 2.622 | -0.075 |
| 105 | 65 | 2.679 | 2.585 | -0.094 |
| 105 | 66 | 2.616 | 2.516 | -0.100 |
| 105 | 67 | 2.684 | 2.567 | -0.117 |
| 105 | 68 | 2.617 | 2.509 | -0.108 |
| 105 | 69 | 2.657 | 2.534 | -0.123 |
| | Max | 2.704 | 2.626 | 0.027 |
| | Average | 2.570 | 2.537 | -0.032 |
| | Min | 2.460 | 2.443 | -0.152 |
| | Std Dev | 0.059 | 0.044 | 0.040 |




| | 6.1_IQ/IN//14/0/0/0/@ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 3.5 | mA | | | | | | | | | |
| Min Limit | 0 | mA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.519 | 2.453 | 2.485 | 2.498 | 2.510 | 2.443 | 2.469 | 2.462 | 2.484 | 2.465 | 2.509 |
| Average | 2.551 | 2.512 | 2.528 | 2.522 | 2.552 | 2.528 | 2.530 | 2.561 | 2.528 | 2.561 | 2.542 |
| Max | 2.579 | 2.545 | 2.572 | 2.540 | 2.626 | 2.600 | 2.619 | 2.610 | 2.573 | 2.622 | 2.585 |
| UL | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 | 3.500 |

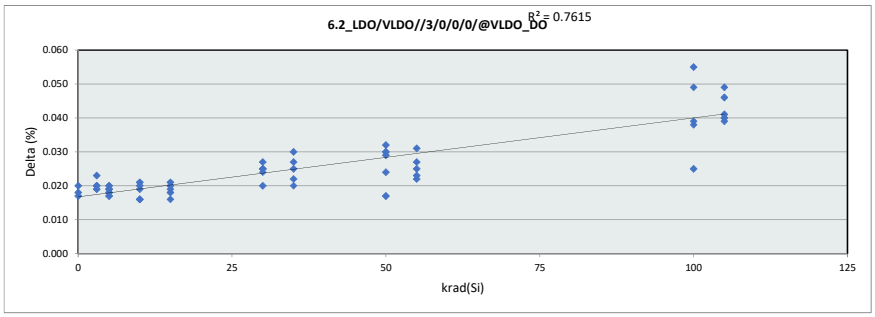


# TID HDR Report
# TPS7H3014-SP

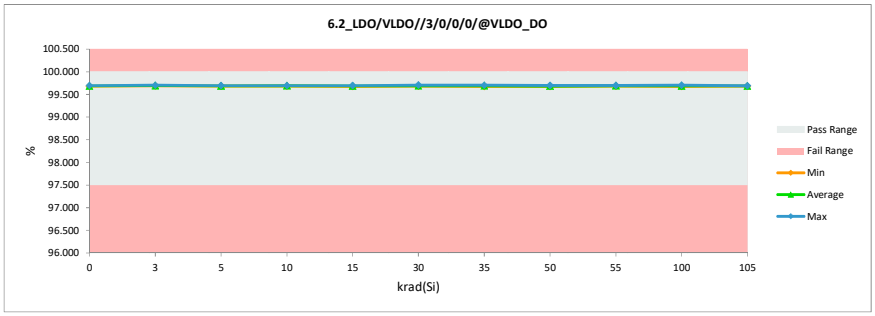
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.2_LDO/VLDO//3/0/0/0 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 97 | 97.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.677 | 99.695 | 0.018 |
| 0 | 14 | 99.662 | 99.682 | 0.020 |
| 0 | 15 | 99.668 | 99.685 | 0.017 |
| 3 | 20 | 99.669 | 99.692 | 0.023 |
| 3 | 21 | 99.685 | 99.704 | 0.019 |
| 3 | 22 | 99.670 | 99.690 | 0.020 |
| 3 | 23 | 99.669 | 99.688 | 0.019 |
| 3 | 24 | 99.678 | 99.698 | 0.020 |
| 5 | 25 | 99.670 | 99.687 | 0.017 |
| 5 | 26 | 99.665 | 99.684 | 0.019 |
| 5 | 27 | 99.675 | 99.694 | 0.019 |
| 5 | 28 | 99.679 | 99.697 | 0.018 |
| 5 | 29 | 99.665 | 99.685 | 0.020 |
| 10 | 30 | 99.672 | 99.688 | 0.016 |
| 10 | 31 | 99.665 | 99.686 | 0.021 |
| 10 | 32 | 99.680 | 99.696 | 0.016 |
| 10 | 33 | 99.668 | 99.688 | 0.020 |
| 10 | 34 | 99.676 | 99.695 | 0.019 |
| 15 | 35 | 99.666 | 99.686 | 0.020 |
| 15 | 36 | 99.674 | 99.692 | 0.018 |
| 15 | 37 | 99.660 | 99.676 | 0.016 |
| 15 | 38 | 99.675 | 99.694 | 0.019 |
| 15 | 39 | 99.672 | 99.693 | 0.021 |
| 30 | 40 | 99.681 | 99.706 | 0.025 |
| 30 | 41 | 99.656 | 99.681 | 0.025 |
| 30 | 42 | 99.667 | 99.691 | 0.024 |
| 30 | 43 | 99.664 | 99.691 | 0.027 |
| 30 | 44 | 99.667 | 99.687 | 0.020 |
| 35 | 45 | 99.671 | 99.691 | 0.020 |
| 35 | 46 | 99.645 | 99.675 | 0.030 |
| 35 | 47 | 99.676 | 99.703 | 0.027 |
| 35 | 48 | 99.667 | 99.689 | 0.022 |
| 35 | 49 | 99.673 | 99.698 | 0.025 |
| 50 | 50 | 99.662 | 99.686 | 0.024 |
| 50 | 51 | 99.667 | 99.699 | 0.032 |
| 50 | 52 | 99.653 | 99.682 | 0.029 |
| 50 | 53 | 99.649 | 99.679 | 0.030 |
| 50 | 54 | 99.663 | 99.680 | 0.017 |
| 55 | 55 | 99.658 | 99.683 | 0.025 |
| 55 | 56 | 99.665 | 99.696 | 0.031 |
| 55 | 57 | 99.669 | 99.691 | 0.022 |
| 55 | 58 | 99.660 | 99.687 | 0.027 |
| 55 | 59 | 99.676 | 99.699 | 0.023 |
| 100 | 60 | 99.629 | 99.684 | 0.055 |
| 100 | 61 | 99.660 | 99.685 | 0.025 |
| 100 | 62 | 99.647 | 99.686 | 0.039 |
| 100 | 63 | 99.655 | 99.704 | 0.049 |
| 100 | 64 | 99.640 | 99.678 | 0.038 |
| 105 | 65 | 99.645 | 99.685 | 0.040 |
| 105 | 66 | 99.651 | 99.690 | 0.039 |
| 105 | 67 | 99.637 | 99.686 | 0.049 |
| 105 | 68 | 99.651 | 99.692 | 0.041 |
| 105 | 69 | 99.643 | 99.689 | 0.046 |
| | Max | 99.685 | 99.706 | 0.055 |
| | Average | 99.664 | 99.690 | 0.026 |
| | Min | 99.629 | 99.675 | 0.016 |
| | Std Dev | 0.012 | 0.007 | 0.010 |




| | 6.2_LDO/VLDO//3/0/0/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 97.5 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 | 97.500 |
| Min | 99.682 | 99.688 | 99.684 | 99.686 | 99.676 | 99.681 | 99.675 | 99.679 | 99.683 | 99.678 | 99.685 |
| Average | 99.687 | 99.694 | 99.689 | 99.691 | 99.688 | 99.691 | 99.691 | 99.685 | 99.691 | 99.687 | 99.688 |
| Max | 99.695 | 99.704 | 99.697 | 99.696 | 99.694 | 99.706 | 99.703 | 99.699 | 99.699 | 99.704 | 99.692 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

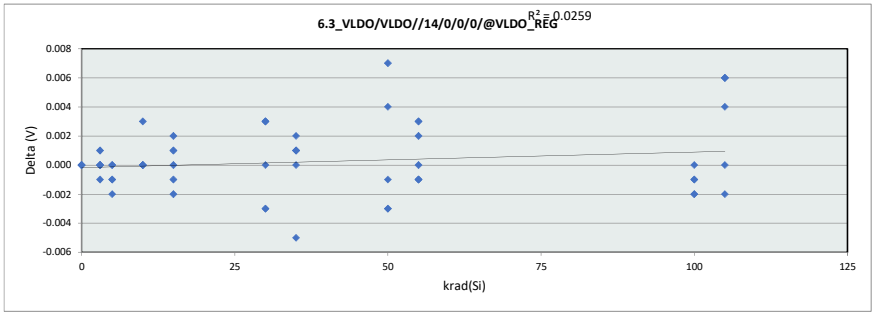


# TID HDR Report
# TPS7H3014-SP

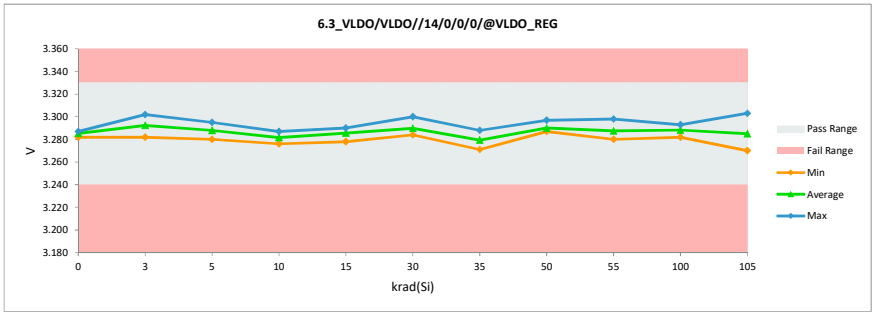
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.3_VLDO/VLDO//14/0/0 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 3.34 | 3.33 |
| Min Limit | 3.23 | 3.24 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.282 | 3.282 | 0.000 |
| 0 | 14 | 3.287 | 3.287 | 0.000 |
| 0 | 15 | 3.287 | 3.287 | 0.000 |
| 3 | 20 | 3.292 | 3.292 | 0.000 |
| 3 | 21 | 3.281 | 3.282 | 0.001 |
| 3 | 22 | 3.298 | 3.298 | 0.000 |
| 3 | 23 | 3.288 | 3.288 | 0.000 |
| 3 | 24 | 3.303 | 3.302 | -0.001 |
| 5 | 25 | 3.288 | 3.287 | -0.001 |
| 5 | 26 | 3.295 | 3.295 | 0.000 |
| 5 | 27 | 3.284 | 3.283 | -0.001 |
| 5 | 28 | 3.280 | 3.280 | 0.000 |
| 5 | 29 | 3.297 | 3.295 | -0.002 |
| 10 | 30 | 3.283 | 3.286 | 0.003 |
| 10 | 31 | 3.276 | 3.276 | 0.000 |
| 10 | 32 | 3.278 | 3.278 | 0.000 |
| 10 | 33 | 3.287 | 3.287 | 0.000 |
| 10 | 34 | 3.281 | 3.281 | 0.000 |
| 15 | 35 | 3.286 | 3.285 | -0.001 |
| 15 | 36 | 3.289 | 3.290 | 0.001 |
| 15 | 37 | 3.285 | 3.287 | 0.002 |
| 15 | 38 | 3.288 | 3.288 | 0.000 |
| 15 | 39 | 3.280 | 3.278 | -0.002 |
| 30 | 40 | 3.288 | 3.288 | 0.000 |
| 30 | 41 | 3.303 | 3.300 | -0.003 |
| 30 | 42 | 3.288 | 3.291 | 0.003 |
| 30 | 43 | 3.283 | 3.286 | 0.003 |
| 30 | 44 | 3.287 | 3.284 | -0.003 |
| 35 | 45 | 3.290 | 3.285 | -0.005 |
| 35 | 46 | 3.276 | 3.277 | 0.001 |
| 35 | 47 | 3.276 | 3.276 | 0.000 |
| 35 | 48 | 3.270 | 3.271 | 0.001 |
| 35 | 49 | 3.286 | 3.288 | 0.002 |
| 50 | 50 | 3.291 | 3.290 | -0.001 |
| 50 | 51 | 3.290 | 3.287 | -0.003 |
| 50 | 52 | 3.282 | 3.289 | 0.007 |
| 50 | 53 | 3.283 | 3.287 | 0.004 |
| 50 | 54 | 3.300 | 3.297 | -0.003 |
| 55 | 55 | 3.294 | 3.293 | -0.001 |
| 55 | 56 | 3.298 | 3.298 | 0.000 |
| 55 | 57 | 3.277 | 3.280 | 0.003 |
| 55 | 58 | 3.287 | 3.286 | -0.001 |
| 55 | 59 | 3.279 | 3.281 | 0.002 |
| 100 | 60 | 3.293 | 3.293 | 0.000 |
| 100 | 61 | 3.294 | 3.293 | -0.001 |
| 100 | 62 | 3.284 | 3.282 | -0.002 |
| 100 | 63 | 3.291 | 3.289 | -0.002 |
| 100 | 64 | 3.285 | 3.284 | -0.001 |
| 105 | 65 | 3.288 | 3.294 | 0.006 |
| 105 | 66 | 3.266 | 3.270 | 0.004 |
| 105 | 67 | 3.285 | 3.283 | -0.002 |
| 105 | 68 | 3.275 | 3.275 | 0.000 |
| 105 | 69 | 3.297 | 3.303 | 0.006 |
| | Max | 3.303 | 3.303 | 0.007 |
| | Average | 3.286 | 3.287 | 0.000 |
| | Min | 3.266 | 3.270 | -0.005 |
| | Std Dev | 0.008 | 0.007 | 0.002 |




| | 6.3_VLDO/VLDO//14/0/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 3.33 | V | | | | | | | | | |
| Min Limit | 3.24 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 | 3.240 |
| Min | 3.282 | 3.282 | 3.280 | 3.276 | 3.278 | 3.284 | 3.271 | 3.287 | 3.280 | 3.282 | 3.270 |
| Average | 3.285 | 3.292 | 3.288 | 3.282 | 3.286 | 3.290 | 3.279 | 3.290 | 3.288 | 3.288 | 3.285 |
| Max | 3.287 | 3.302 | 3.295 | 3.287 | 3.290 | 3.300 | 3.288 | 3.297 | 3.298 | 3.293 | 3.303 |
| UL | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 | 3.330 |

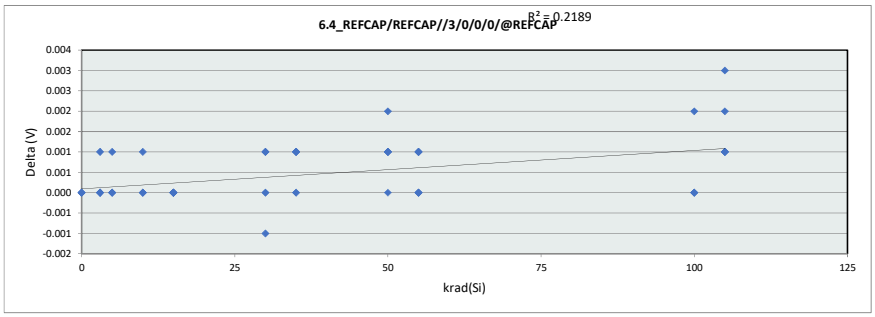


# TID HDR Report
# TPS7H3014-SP

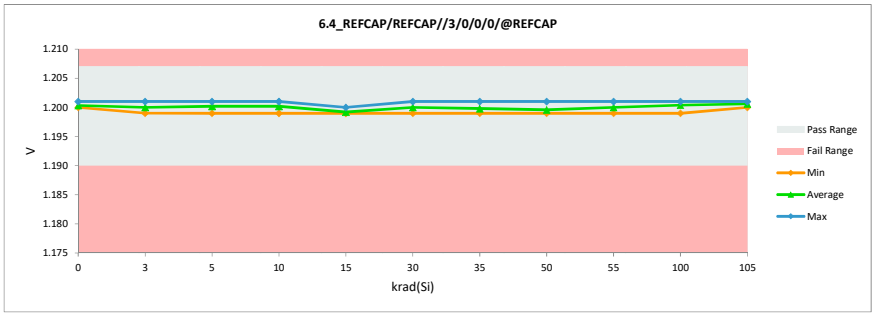
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.4_REFCAP/REFCAP//3/0 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.212 | 1.207 |
| Min Limit | 1.188 | 1.19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.200 | 1.200 | 0.000 |
| 0 | 14 | 1.201 | 1.201 | 0.000 |
| 0 | 15 | 1.200 | 1.200 | 0.000 |
| 3 | 20 | 1.200 | 1.200 | 0.000 |
| 3 | 21 | 1.199 | 1.199 | 0.000 |
| 3 | 22 | 1.200 | 1.200 | 0.000 |
| 3 | 23 | 1.200 | 1.200 | 0.000 |
| 3 | 24 | 1.200 | 1.201 | 0.001 |
| 5 | 25 | 1.199 | 1.199 | 0.000 |
| 5 | 26 | 1.201 | 1.201 | 0.000 |
| 5 | 27 | 1.199 | 1.200 | 0.001 |
| 5 | 28 | 1.200 | 1.200 | 0.000 |
| 5 | 29 | 1.201 | 1.201 | 0.000 |
| 10 | 30 | 1.200 | 1.201 | 0.001 |
| 10 | 31 | 1.200 | 1.200 | 0.000 |
| 10 | 32 | 1.201 | 1.201 | 0.000 |
| 10 | 33 | 1.199 | 1.199 | 0.000 |
| 10 | 34 | 1.200 | 1.200 | 0.000 |
| 15 | 35 | 1.199 | 1.199 | 0.000 |
| 15 | 36 | 1.199 | 1.199 | 0.000 |
| 15 | 37 | 1.199 | 1.199 | 0.000 |
| 15 | 38 | 1.199 | 1.199 | 0.000 |
| 15 | 39 | 1.200 | 1.200 | 0.000 |
| 30 | 40 | 1.199 | 1.200 | 0.001 |
| 30 | 41 | 1.200 | 1.199 | -0.001 |
| 30 | 42 | 1.199 | 1.200 | 0.001 |
| 30 | 43 | 1.200 | 1.200 | 0.000 |
| 30 | 44 | 1.201 | 1.201 | 0.000 |
| 35 | 45 | 1.199 | 1.199 | 0.000 |
| 35 | 46 | 1.199 | 1.200 | 0.001 |
| 35 | 47 | 1.200 | 1.200 | 0.000 |
| 35 | 48 | 1.200 | 1.201 | 0.001 |
| 35 | 49 | 1.198 | 1.199 | 0.001 |
| 50 | 50 | 1.200 | 1.201 | 0.001 |
| 50 | 51 | 1.198 | 1.199 | 0.001 |
| 50 | 52 | 1.197 | 1.199 | 0.002 |
| 50 | 53 | 1.199 | 1.200 | 0.001 |
| 50 | 54 | 1.199 | 1.199 | 0.000 |
| 55 | 55 | 1.201 | 1.201 | 0.000 |
| 55 | 56 | 1.199 | 1.200 | 0.001 |
| 55 | 57 | 1.200 | 1.200 | 0.000 |
| 55 | 58 | 1.199 | 1.199 | 0.000 |
| 55 | 59 | 1.199 | 1.200 | 0.001 |
| 100 | 60 | 1.199 | 1.201 | 0.002 |
| 100 | 61 | 1.200 | 1.200 | 0.000 |
| 100 | 62 | 1.201 | 1.201 | 0.000 |
| 100 | 63 | 1.201 | 1.201 | 0.000 |
| 100 | 64 | 1.199 | 1.199 | 0.000 |
| 105 | 65 | 1.198 | 1.201 | 0.003 |
| 105 | 66 | 1.198 | 1.200 | 0.002 |
| 105 | 67 | 1.200 | 1.201 | 0.001 |
| 105 | 68 | 1.200 | 1.201 | 0.001 |
| 105 | 69 | 1.199 | 1.200 | 0.001 |
| | Max | 1.201 | 1.201 | 0.003 |
| | Average | 1.200 | 1.200 | 0.000 |
| | Min | 1.197 | 1.199 | -0.001 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.4_REFCAP/REFCAP//3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.207 | V | | | | | | | | | |
| Min Limit | 1.19 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 |
| Min | 1.200 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.200 |
| Average | 1.200 | 1.200 | 1.200 | 1.200 | 1.199 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.201 |
| Max | 1.201 | 1.201 | 1.201 | 1.201 | 1.200 | 1.201 | 1.201 | 1.201 | 1.201 | 1.201 | 1.201 |
| UL | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 |

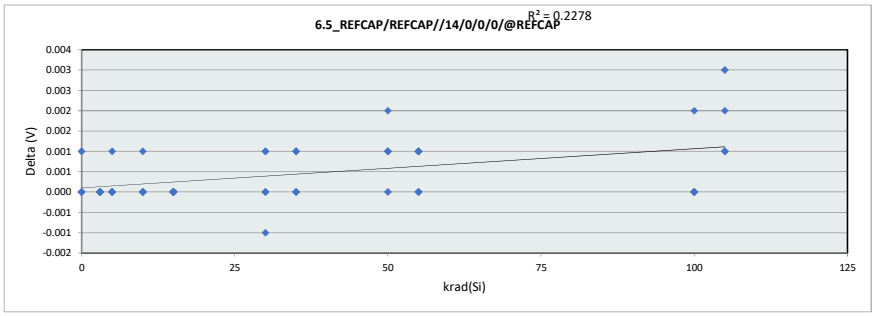


# TID HDR Report
# TPS7H3014-SP

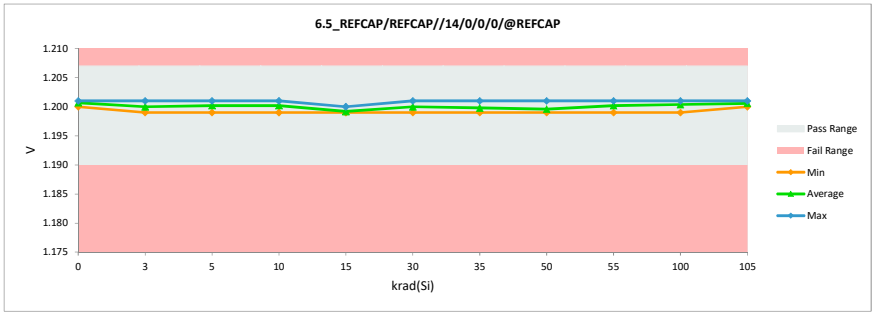
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.5_REFCAP/REFCAP//14/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.212 | 1.207 |
| Min Limit | 1.188 | 1.19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.200 | 1.200 | 0.000 |
| 0 | 14 | 1.201 | 1.201 | 0.000 |
| 0 | 15 | 1.200 | 1.201 | 0.001 |
| 3 | 20 | 1.200 | 1.200 | 0.000 |
| 3 | 21 | 1.199 | 1.199 | 0.000 |
| 3 | 22 | 1.200 | 1.200 | 0.000 |
| 3 | 23 | 1.200 | 1.200 | 0.000 |
| 3 | 24 | 1.201 | 1.201 | 0.000 |
| 5 | 25 | 1.199 | 1.199 | 0.000 |
| 5 | 26 | 1.201 | 1.201 | 0.000 |
| 5 | 27 | 1.199 | 1.200 | 0.001 |
| 5 | 28 | 1.200 | 1.200 | 0.000 |
| 5 | 29 | 1.201 | 1.201 | 0.000 |
| 10 | 30 | 1.200 | 1.201 | 0.001 |
| 10 | 31 | 1.200 | 1.200 | 0.000 |
| 10 | 32 | 1.201 | 1.201 | 0.000 |
| 10 | 33 | 1.199 | 1.199 | 0.000 |
| 10 | 34 | 1.200 | 1.200 | 0.000 |
| 15 | 35 | 1.199 | 1.199 | 0.000 |
| 15 | 36 | 1.199 | 1.199 | 0.000 |
| 15 | 37 | 1.199 | 1.199 | 0.000 |
| 15 | 38 | 1.199 | 1.199 | 0.000 |
| 15 | 39 | 1.200 | 1.200 | 0.000 |
| 30 | 40 | 1.199 | 1.200 | 0.001 |
| 30 | 41 | 1.200 | 1.199 | -0.001 |
| 30 | 42 | 1.199 | 1.200 | 0.001 |
| 30 | 43 | 1.200 | 1.200 | 0.000 |
| 30 | 44 | 1.201 | 1.201 | 0.000 |
| 35 | 45 | 1.199 | 1.199 | 0.000 |
| 35 | 46 | 1.199 | 1.200 | 0.001 |
| 35 | 47 | 1.200 | 1.200 | 0.000 |
| 35 | 48 | 1.200 | 1.201 | 0.001 |
| 35 | 49 | 1.198 | 1.199 | 0.001 |
| 50 | 50 | 1.200 | 1.201 | 0.001 |
| 50 | 51 | 1.198 | 1.199 | 0.001 |
| 50 | 52 | 1.197 | 1.199 | 0.002 |
| 50 | 53 | 1.199 | 1.200 | 0.001 |
| 50 | 54 | 1.199 | 1.199 | 0.000 |
| 55 | 55 | 1.201 | 1.201 | 0.000 |
| 55 | 56 | 1.199 | 1.200 | 0.001 |
| 55 | 57 | 1.200 | 1.201 | 0.001 |
| 55 | 58 | 1.199 | 1.199 | 0.000 |
| 55 | 59 | 1.199 | 1.200 | 0.001 |
| 100 | 60 | 1.199 | 1.201 | 0.002 |
| 100 | 61 | 1.200 | 1.200 | 0.000 |
| 100 | 62 | 1.201 | 1.201 | 0.000 |
| 100 | 63 | 1.201 | 1.201 | 0.000 |
| 100 | 64 | 1.199 | 1.199 | 0.000 |
| 105 | 65 | 1.198 | 1.201 | 0.003 |
| 105 | 66 | 1.198 | 1.200 | 0.002 |
| 105 | 67 | 1.200 | 1.201 | 0.001 |
| 105 | 68 | 1.200 | 1.201 | 0.001 |
| 105 | 69 | 1.199 | 1.200 | 0.001 |
| | Max | 1.201 | 1.201 | 0.003 |
| | Average | 1.200 | 1.200 | 0.000 |
| | Min | 1.197 | 1.199 | -0.001 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.5_REFCAP/REFCAP//1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.207 | V | | | | | | | | | |
| Min Limit | 1.19 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 | 1.190 |
| Min | 1.200 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.199 | 1.200 |
| Average | 1.201 | 1.200 | 1.200 | 1.200 | 1.199 | 1.200 | 1.200 | 1.200 | 1.200 | 1.200 | 1.201 |
| Max | 1.201 | 1.201 | 1.201 | 1.201 | 1.200 | 1.201 | 1.201 | 1.201 | 1.201 | 1.201 | 1.201 |
| UL | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 | 1.207 |

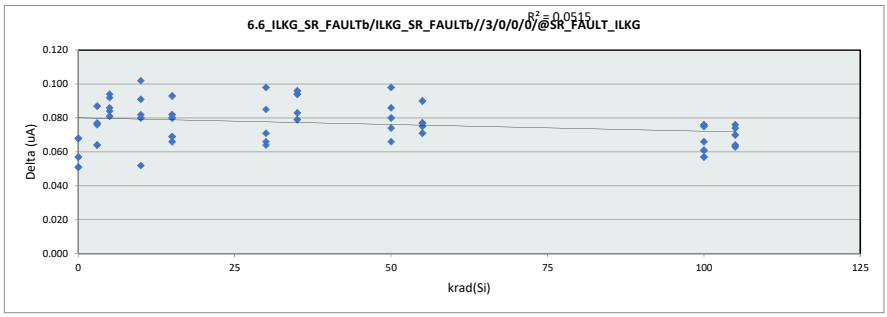


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

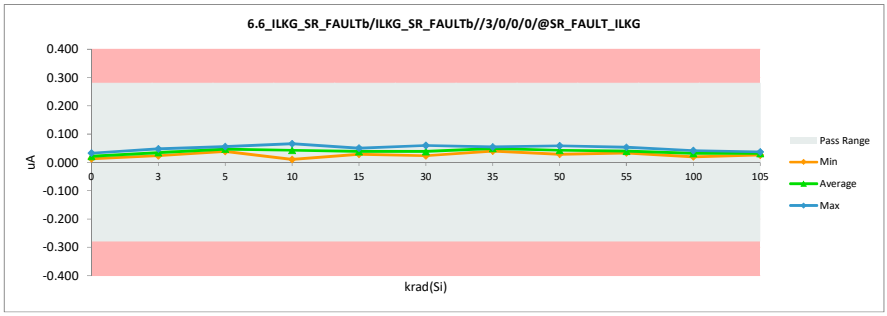
| | 6.6_ILKG_SR_FAULTb/ILK | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 0.3 | 0.28 |
| Min Limit | -0.3 | -0.28 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.038 | 0.013 | 0.051 |
| 0 | 14 | -0.037 | 0.020 | 0.057 |
| 0 | 15 | -0.035 | 0.033 | 0.068 |
| 3 | 20 | -0.037 | 0.040 | 0.077 |
| 3 | 21 | -0.038 | 0.026 | 0.064 |
| 3 | 22 | -0.040 | 0.036 | 0.076 |
| 3 | 23 | -0.040 | 0.024 | 0.064 |
| 3 | 24 | -0.039 | 0.048 | 0.087 |
| 5 | 25 | -0.041 | 0.051 | 0.092 |
| 5 | 26 | -0.042 | 0.042 | 0.084 |
| 5 | 27 | -0.038 | 0.056 | 0.094 |
| 5 | 28 | -0.042 | 0.039 | 0.081 |
| 5 | 29 | -0.038 | 0.048 | 0.086 |
| 10 | 30 | -0.038 | 0.053 | 0.091 |
| 10 | 31 | -0.041 | 0.011 | 0.052 |
| 10 | 32 | -0.037 | 0.043 | 0.080 |
| 10 | 33 | -0.040 | 0.042 | 0.082 |
| 10 | 34 | -0.036 | 0.066 | 0.102 |
| 15 | 35 | -0.037 | 0.029 | 0.066 |
| 15 | 36 | -0.039 | 0.041 | 0.080 |
| 15 | 37 | -0.038 | 0.044 | 0.082 |
| 15 | 38 | -0.042 | 0.051 | 0.093 |
| 15 | 39 | -0.040 | 0.029 | 0.069 |
| 30 | 40 | -0.038 | 0.033 | 0.071 |
| 30 | 41 | -0.036 | 0.049 | 0.085 |
| 30 | 42 | -0.040 | 0.024 | 0.064 |
| 30 | 43 | -0.037 | 0.029 | 0.066 |
| 30 | 44 | -0.038 | 0.060 | 0.098 |
| 35 | 45 | -0.039 | 0.040 | 0.079 |
| 35 | 46 | -0.040 | 0.043 | 0.083 |
| 35 | 47 | -0.039 | 0.055 | 0.094 |
| 35 | 48 | -0.041 | 0.055 | 0.096 |
| 35 | 49 | -0.039 | 0.055 | 0.094 |
| 50 | 50 | -0.036 | 0.050 | 0.086 |
| 50 | 51 | -0.038 | 0.042 | 0.080 |
| 50 | 52 | -0.037 | 0.029 | 0.066 |
| 50 | 53 | -0.039 | 0.059 | 0.098 |
| 50 | 54 | -0.037 | 0.037 | 0.074 |
| 55 | 55 | -0.037 | 0.038 | 0.075 |
| 55 | 56 | -0.042 | 0.035 | 0.077 |
| 55 | 57 | -0.036 | 0.054 | 0.090 |
| 55 | 58 | -0.038 | 0.039 | 0.077 |
| 55 | 59 | -0.037 | 0.034 | 0.071 |
| 100 | 60 | -0.034 | 0.042 | 0.076 |
| 100 | 61 | -0.033 | 0.033 | 0.066 |
| 100 | 62 | -0.036 | 0.039 | 0.075 |
| 100 | 63 | -0.037 | 0.020 | 0.057 |
| 100 | 64 | -0.035 | 0.026 | 0.061 |
| 105 | 65 | -0.037 | 0.026 | 0.063 |
| 105 | 66 | -0.039 | 0.037 | 0.076 |
| 105 | 67 | -0.038 | 0.032 | 0.070 |
| 105 | 68 | -0.037 | 0.037 | 0.074 |
| 105 | 69 | -0.037 | 0.027 | 0.064 |
| | Max | -0.033 | 0.066 | 0.102 |
| | Average | -0.038 | 0.039 | 0.077 |
| | Min | -0.042 | 0.011 | 0.051 |
| | Std Dev | 0.002 | 0.012 | 0.012 |




| | 6.6_ILKG_SR_FAULTb/IL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.28 | uA |
| Min Limit | -0.28 | uA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 |
| Min | 0.013 | 0.024 | 0.039 | 0.011 | 0.029 | 0.024 | 0.040 | 0.029 | 0.034 | 0.020 | 0.026 |
| Average | 0.022 | 0.035 | 0.047 | 0.043 | 0.039 | 0.039 | 0.050 | 0.043 | 0.040 | 0.032 | 0.032 |
| Max | 0.033 | 0.048 | 0.056 | 0.066 | 0.051 | 0.060 | 0.055 | 0.059 | 0.054 | 0.042 | 0.037 |
| UL | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |

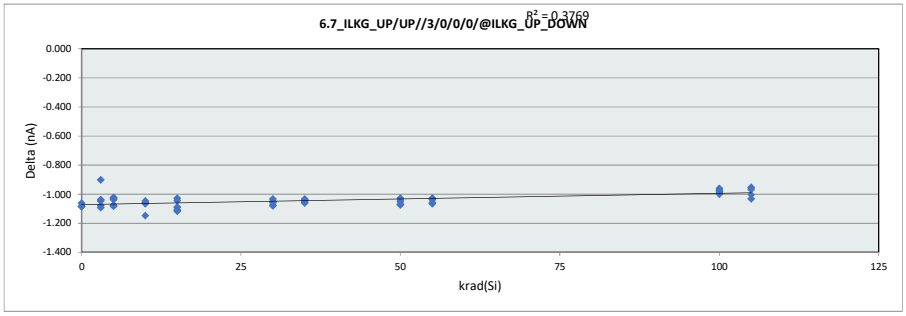


# TID HDR Report
# TPS7H3014-SP

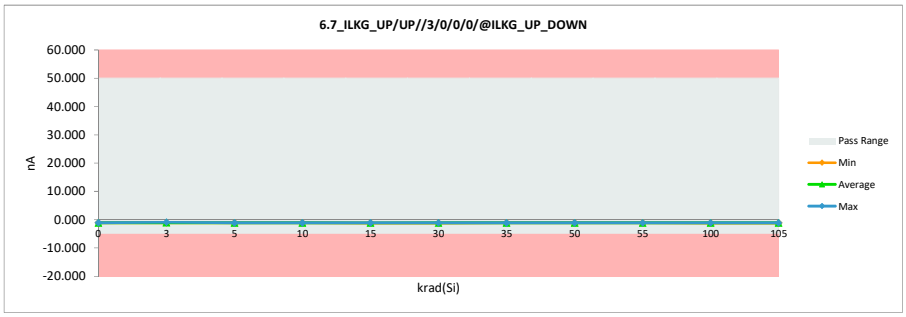
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.7_ILKG_UP/UP//3/0/0 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | nA | nA |
| Max Limit | 100 | 50 |
| Min Limit | -10 | -5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.010 | -1.072 | -1.062 |
| 0 | 14 | -0.015 | -1.099 | -1.084 |
| 0 | 15 | -0.025 | -1.110 | -1.085 |
| 3 | 20 | 0.002 | -0.899 | -0.901 |
| 3 | 21 | -0.010 | -1.103 | -1.093 |
| 3 | 22 | -0.042 | -1.081 | -1.039 |
| 3 | 23 | -0.052 | -1.099 | -1.047 |
| 3 | 24 | -0.054 | -1.133 | -1.079 |
| 5 | 25 | -0.011 | -1.093 | -1.082 |
| 5 | 26 | -0.053 | -1.128 | -1.075 |
| 5 | 27 | -0.070 | -1.097 | -1.027 |
| 5 | 28 | -0.075 | -1.112 | -1.037 |
| 5 | 29 | -0.063 | -1.086 | -1.023 |
| 10 | 30 | -0.047 | -1.104 | -1.057 |
| 10 | 31 | -0.040 | -1.096 | -1.056 |
| 10 | 32 | -0.050 | -1.115 | -1.065 |
| 10 | 33 | -0.052 | -1.099 | -1.047 |
| 10 | 34 | 0.036 | -1.112 | -1.148 |
| 15 | 35 | -0.054 | -1.099 | -1.045 |
| 15 | 36 | -0.032 | -1.148 | -1.116 |
| 15 | 37 | -0.052 | -1.160 | -1.108 |
| 15 | 38 | -0.046 | -1.135 | -1.089 |
| 15 | 39 | -0.077 | -1.106 | -1.029 |
| 30 | 40 | -0.067 | -1.145 | -1.078 |
| 30 | 41 | -0.060 | -1.110 | -1.050 |
| 30 | 42 | -0.082 | -1.115 | -1.033 |
| 30 | 43 | -0.071 | -1.150 | -1.079 |
| 30 | 44 | -0.049 | -1.108 | -1.059 |
| 35 | 45 | -0.059 | -1.098 | -1.039 |
| 35 | 46 | -0.081 | -1.128 | -1.047 |
| 35 | 47 | -0.047 | -1.109 | -1.062 |
| 35 | 48 | -0.080 | -1.114 | -1.034 |
| 35 | 49 | -0.075 | -1.131 | -1.056 |
| 50 | 50 | -0.065 | -1.105 | -1.040 |
| 50 | 51 | -0.022 | -1.090 | -1.068 |
| 50 | 52 | -0.099 | -1.126 | -1.027 |
| 50 | 53 | -0.052 | -1.102 | -1.050 |
| 50 | 54 | -0.058 | -1.132 | -1.074 |
| 55 | 55 | -0.071 | -1.098 | -1.027 |
| 55 | 56 | -0.073 | -1.109 | -1.036 |
| 55 | 57 | -0.072 | -1.109 | -1.037 |
| 55 | 58 | -0.058 | -1.123 | -1.065 |
| 55 | 59 | -0.068 | -1.126 | -1.058 |
| 100 | 60 | -0.131 | -1.108 | -0.977 |
| 100 | 61 | -0.149 | -1.149 | -1.000 |
| 100 | 62 | -0.149 | -1.110 | -0.961 |
| 100 | 63 | -0.152 | -1.116 | -0.964 |
| 100 | 64 | -0.139 | -1.125 | -0.986 |
| 105 | 65 | -0.165 | -1.123 | -0.958 |
| 105 | 66 | -0.163 | -1.167 | -1.004 |
| 105 | 67 | -0.097 | -1.129 | -1.032 |
| 105 | 68 | -0.137 | -1.106 | -0.969 |
| 105 | 69 | -0.163 | -1.115 | -0.952 |
| | Max | 0.036 | -0.899 | -0.901 |
| | Average | -0.069 | -1.111 | -1.042 |
| | Min | -0.165 | -1.167 | -1.148 |
| | Std Dev | 0.045 | 0.035 | 0.045 |




| | 6.7_ILKG_UP/UP//3/0/( | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 50 | nA | | | | | | | | | |
| Min Limit | -5 | nA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -1.110 | -1.133 | -1.128 | -1.115 | -1.160 | -1.150 | -1.131 | -1.132 | -1.126 | -1.149 | -1.167 |
| Average | -1.094 | -1.063 | -1.103 | -1.105 | -1.130 | -1.126 | -1.116 | -1.111 | -1.113 | -1.122 | -1.128 |
| Max | -1.072 | -0.899 | -1.086 | -1.096 | -1.099 | -1.108 | -1.098 | -1.090 | -1.098 | -1.108 | -1.106 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

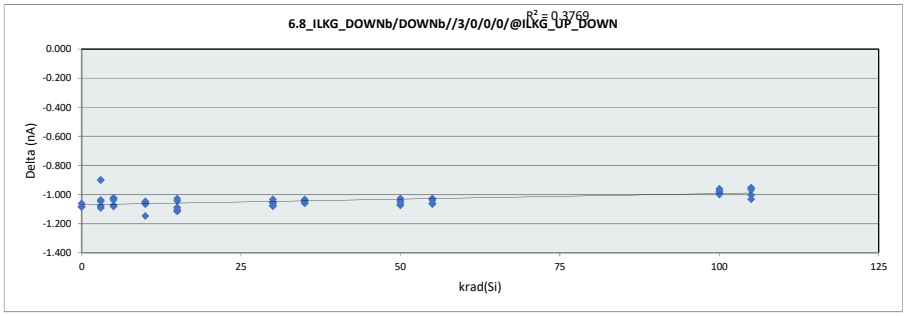


# TID HDR Report
# TPS7H3014-SP

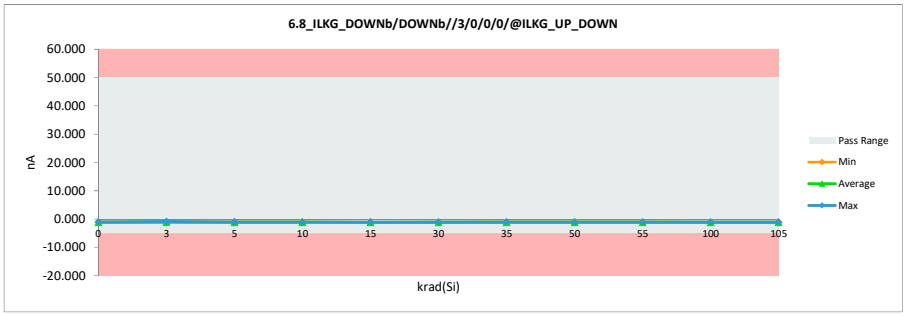
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.8_ILKG_DOWNb/DOWNb | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | nA | nA |
| Max Limit | 100 | 50 |
| Min Limit | -10 | -5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.010 | -1.072 | -1.062 |
| 0 | 14 | -0.015 | -1.099 | -1.084 |
| 0 | 15 | -0.025 | -1.110 | -1.085 |
| 3 | 20 | 0.002 | -0.899 | -0.901 |
| 3 | 21 | -0.010 | -1.103 | -1.093 |
| 3 | 22 | -0.042 | -1.081 | -1.039 |
| 3 | 23 | -0.052 | -1.099 | -1.047 |
| 3 | 24 | -0.054 | -1.133 | -1.079 |
| 5 | 25 | -0.011 | -1.093 | -1.082 |
| 5 | 26 | -0.053 | -1.128 | -1.075 |
| 5 | 27 | -0.070 | -1.097 | -1.027 |
| 5 | 28 | -0.075 | -1.112 | -1.037 |
| 5 | 29 | -0.063 | -1.086 | -1.023 |
| 10 | 30 | -0.047 | -1.104 | -1.057 |
| 10 | 31 | -0.040 | -1.096 | -1.056 |
| 10 | 32 | -0.050 | -1.115 | -1.065 |
| 10 | 33 | -0.052 | -1.099 | -1.047 |
| 10 | 34 | 0.036 | -1.112 | -1.148 |
| 15 | 35 | -0.054 | -1.099 | -1.045 |
| 15 | 36 | -0.032 | -1.148 | -1.116 |
| 15 | 37 | -0.052 | -1.160 | -1.108 |
| 15 | 38 | -0.046 | -1.135 | -1.089 |
| 15 | 39 | -0.077 | -1.106 | -1.029 |
| 30 | 40 | -0.067 | -1.145 | -1.078 |
| 30 | 41 | -0.060 | -1.110 | -1.050 |
| 30 | 42 | -0.082 | -1.115 | -1.033 |
| 30 | 43 | -0.071 | -1.150 | -1.079 |
| 30 | 44 | -0.049 | -1.108 | -1.059 |
| 35 | 45 | -0.059 | -1.098 | -1.039 |
| 35 | 46 | -0.081 | -1.128 | -1.047 |
| 35 | 47 | -0.047 | -1.109 | -1.062 |
| 35 | 48 | -0.080 | -1.114 | -1.034 |
| 35 | 49 | -0.075 | -1.131 | -1.056 |
| 50 | 50 | -0.065 | -1.105 | -1.040 |
| 50 | 51 | -0.022 | -1.090 | -1.068 |
| 50 | 52 | -0.099 | -1.126 | -1.027 |
| 50 | 53 | -0.052 | -1.102 | -1.050 |
| 50 | 54 | -0.058 | -1.132 | -1.074 |
| 55 | 55 | -0.071 | -1.098 | -1.027 |
| 55 | 56 | -0.073 | -1.109 | -1.036 |
| 55 | 57 | -0.072 | -1.109 | -1.037 |
| 55 | 58 | -0.058 | -1.123 | -1.065 |
| 55 | 59 | -0.068 | -1.126 | -1.058 |
| 100 | 60 | -0.131 | -1.108 | -0.977 |
| 100 | 61 | -0.149 | -1.149 | -1.000 |
| 100 | 62 | -0.149 | -1.110 | -0.961 |
| 100 | 63 | -0.152 | -1.116 | -0.964 |
| 100 | 64 | -0.139 | -1.125 | -0.986 |
| 105 | 65 | -0.165 | -1.123 | -0.958 |
| 105 | 66 | -0.163 | -1.167 | -1.004 |
| 105 | 67 | -0.097 | -1.129 | -1.032 |
| 105 | 68 | -0.137 | -1.106 | -0.969 |
| 105 | 69 | -0.163 | -1.115 | -0.952 |
| | Max | 0.036 | -0.899 | -0.901 |
| | Average | -0.069 | -1.111 | -1.042 |
| | Min | -0.165 | -1.167 | -1.148 |
| | Std Dev | 0.045 | 0.035 | 0.045 |




| | 6.8_ILKG_DOWNb/DOWNb | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 50 | nA | | | | | | | | | |
| Min Limit | -5 | nA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -1.110 | -1.133 | -1.128 | -1.115 | -1.160 | -1.150 | -1.131 | -1.132 | -1.126 | -1.149 | -1.167 |
| Average | -1.094 | -1.063 | -1.103 | -1.105 | -1.130 | -1.126 | -1.116 | -1.111 | -1.113 | -1.122 | -1.128 |
| Max | -1.072 | -0.899 | -1.086 | -1.096 | -1.099 | -1.108 | -1.098 | -1.090 | -1.098 | -1.108 | -1.106 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

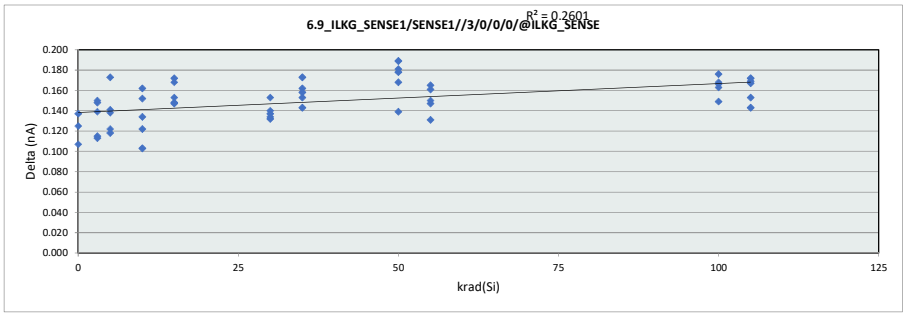


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

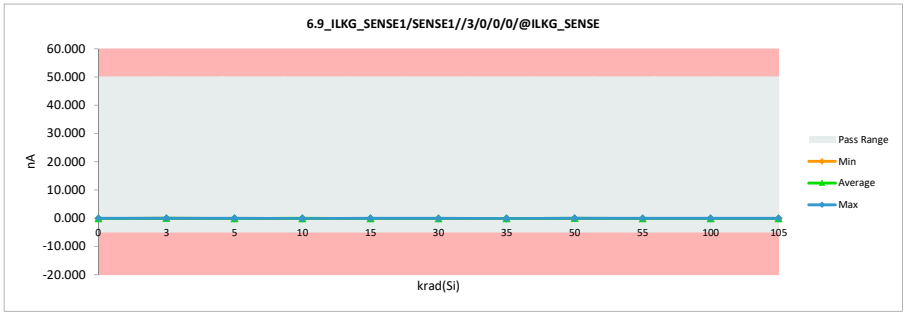
| | 6.9_ILKG_SENSE1/SENSE1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | nA | nA |
| Max Limit | 100 | 50 |
| Min Limit | -10 | -5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.139 | -0.032 | 0.107 |
| 0 | 14 | -0.149 | -0.012 | 0.137 |
| 0 | 15 | -0.140 | -0.015 | 0.125 |
| 3 | 20 | -0.132 | -0.019 | 0.113 |
| 3 | 21 | -0.138 | -0.023 | 0.115 |
| 3 | 22 | -0.160 | -0.010 | 0.150 |
| 3 | 23 | -0.144 | -0.005 | 0.139 |
| 3 | 24 | -0.160 | -0.012 | 0.148 |
| 5 | 25 | -0.164 | 0.009 | 0.173 |
| 5 | 26 | -0.156 | -0.038 | 0.118 |
| 5 | 27 | -0.170 | -0.032 | 0.138 |
| 5 | 28 | -0.170 | -0.048 | 0.122 |
| 5 | 29 | -0.178 | -0.037 | 0.141 |
| 10 | 30 | -0.178 | -0.026 | 0.152 |
| 10 | 31 | -0.183 | -0.021 | 0.162 |
| 10 | 32 | -0.162 | -0.059 | 0.103 |
| 10 | 33 | -0.158 | -0.036 | 0.122 |
| 10 | 34 | -0.156 | -0.022 | 0.134 |
| 15 | 35 | -0.166 | 0.002 | 0.168 |
| 15 | 36 | -0.166 | -0.018 | 0.148 |
| 15 | 37 | -0.173 | -0.020 | 0.153 |
| 15 | 38 | -0.181 | -0.034 | 0.147 |
| 15 | 39 | -0.191 | -0.019 | 0.172 |
| 30 | 40 | -0.167 | -0.035 | 0.132 |
| 30 | 41 | -0.163 | -0.023 | 0.140 |
| 30 | 42 | -0.167 | -0.033 | 0.134 |
| 30 | 43 | -0.192 | -0.039 | 0.153 |
| 30 | 44 | -0.165 | -0.028 | 0.137 |
| 35 | 45 | -0.181 | -0.023 | 0.158 |
| 35 | 46 | -0.179 | -0.026 | 0.153 |
| 35 | 47 | -0.184 | -0.041 | 0.143 |
| 35 | 48 | -0.190 | -0.028 | 0.162 |
| 35 | 49 | -0.194 | -0.021 | 0.173 |
| 50 | 50 | -0.184 | -0.006 | 0.178 |
| 50 | 51 | -0.183 | -0.015 | 0.168 |
| 50 | 52 | -0.178 | 0.003 | 0.181 |
| 50 | 53 | -0.196 | -0.007 | 0.189 |
| 50 | 54 | -0.177 | -0.038 | 0.139 |
| 55 | 55 | -0.171 | -0.024 | 0.147 |
| 55 | 56 | -0.161 | -0.011 | 0.150 |
| 55 | 57 | -0.173 | -0.012 | 0.161 |
| 55 | 58 | -0.184 | -0.019 | 0.165 |
| 55 | 59 | -0.174 | -0.043 | 0.131 |
| 100 | 60 | -0.184 | -0.035 | 0.149 |
| 100 | 61 | -0.184 | -0.021 | 0.163 |
| 100 | 62 | -0.183 | -0.015 | 0.168 |
| 100 | 63 | -0.180 | -0.004 | 0.176 |
| 100 | 64 | -0.182 | -0.016 | 0.166 |
| 105 | 65 | -0.171 | -0.018 | 0.153 |
| 105 | 66 | -0.184 | -0.015 | 0.169 |
| 105 | 67 | -0.174 | -0.007 | 0.167 |
| 105 | 68 | -0.190 | -0.047 | 0.143 |
| 105 | 69 | -0.178 | -0.006 | 0.172 |
| | Max | -0.132 | 0.009 | 0.189 |
| | Average | -0.171 | -0.022 | 0.149 |
| | Min | -0.196 | -0.059 | 0.103 |
| | Std Dev | 0.015 | 0.014 | 0.020 |




| | 6.9_ILKG_SENSE1/SENSE1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 50 | nA |
| Min Limit | -5 | nA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -0.032 | -0.023 | -0.048 | -0.059 | -0.034 | -0.039 | -0.041 | -0.038 | -0.043 | -0.035 | -0.047 |
| Average | -0.020 | -0.014 | -0.029 | -0.033 | -0.018 | -0.032 | -0.028 | -0.013 | -0.022 | -0.018 | -0.019 |
| Max | -0.012 | -0.005 | 0.009 | -0.021 | 0.002 | -0.023 | -0.021 | 0.003 | -0.011 | -0.004 | -0.006 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

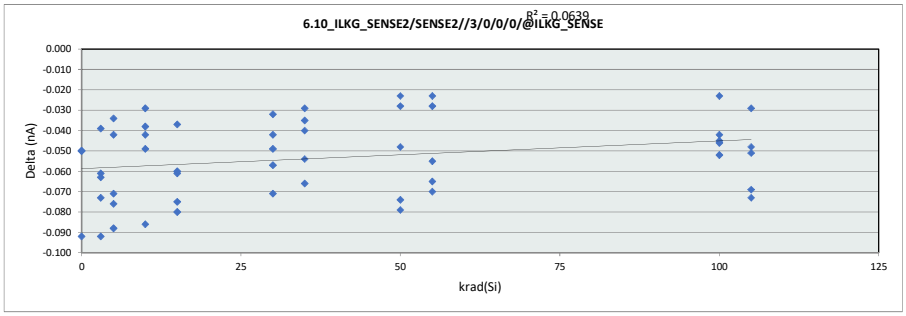


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

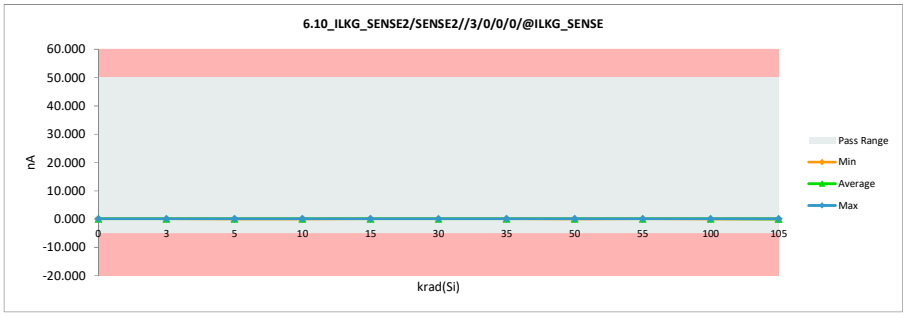
| | 6.10_ILKG_SENSE2/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.176 | 0.084 | -0.092 |
| 0 | 14 | 0.153 | 0.103 | -0.050 |
| 0 | 15 | 0.162 | 0.112 | -0.050 |
| 3 | 20 | 0.156 | 0.093 | -0.063 |
| 3 | 21 | 0.182 | 0.090 | -0.092 |
| 3 | 22 | 0.148 | 0.109 | -0.039 |
| 3 | 23 | 0.156 | 0.083 | -0.073 |
| 3 | 24 | 0.162 | 0.101 | -0.061 |
| 5 | 25 | 0.141 | 0.107 | -0.034 |
| 5 | 26 | 0.156 | 0.114 | -0.042 |
| 5 | 27 | 0.152 | 0.064 | -0.088 |
| 5 | 28 | 0.142 | 0.071 | -0.071 |
| 5 | 29 | 0.151 | 0.075 | -0.076 |
| 10 | 30 | 0.148 | 0.106 | -0.042 |
| 10 | 31 | 0.122 | 0.093 | -0.029 |
| 10 | 32 | 0.135 | 0.097 | -0.038 |
| 10 | 33 | 0.128 | 0.079 | -0.049 |
| 10 | 34 | 0.149 | 0.063 | -0.086 |
| 15 | 35 | 0.165 | 0.085 | -0.080 |
| 15 | 36 | 0.132 | 0.095 | -0.037 |
| 15 | 37 | 0.151 | 0.090 | -0.061 |
| 15 | 38 | 0.148 | 0.088 | -0.060 |
| 15 | 39 | 0.162 | 0.087 | -0.075 |
| 30 | 40 | 0.151 | 0.109 | -0.042 |
| 30 | 41 | 0.148 | 0.099 | -0.049 |
| 30 | 42 | 0.143 | 0.086 | -0.057 |
| 30 | 43 | 0.141 | 0.109 | -0.032 |
| 30 | 44 | 0.154 | 0.083 | -0.071 |
| 35 | 45 | 0.138 | 0.072 | -0.066 |
| 35 | 46 | 0.137 | 0.083 | -0.054 |
| 35 | 47 | 0.141 | 0.101 | -0.040 |
| 35 | 48 | 0.126 | 0.091 | -0.035 |
| 35 | 49 | 0.114 | 0.085 | -0.029 |
| 50 | 50 | 0.127 | 0.104 | -0.023 |
| 50 | 51 | 0.129 | 0.081 | -0.048 |
| 50 | 52 | 0.132 | 0.058 | -0.074 |
| 50 | 53 | 0.153 | 0.074 | -0.079 |
| 50 | 54 | 0.117 | 0.089 | -0.028 |
| 55 | 55 | 0.140 | 0.085 | -0.055 |
| 55 | 56 | 0.143 | 0.073 | -0.070 |
| 55 | 57 | 0.125 | 0.102 | -0.023 |
| 55 | 58 | 0.118 | 0.090 | -0.028 |
| 55 | 59 | 0.143 | 0.078 | -0.065 |
| 100 | 60 | 0.109 | 0.086 | -0.023 |
| 100 | 61 | 0.109 | 0.067 | -0.042 |
| 100 | 62 | 0.119 | 0.074 | -0.045 |
| 100 | 63 | 0.131 | 0.085 | -0.046 |
| 100 | 64 | 0.124 | 0.072 | -0.052 |
| 105 | 65 | 0.114 | 0.066 | -0.048 |
| 105 | 66 | 0.122 | 0.049 | -0.073 |
| 105 | 67 | 0.125 | 0.056 | -0.069 |
| 105 | 68 | 0.118 | 0.067 | -0.051 |
| 105 | 69 | 0.120 | 0.091 | -0.029 |
| | Max | 0.182 | 0.114 | -0.023 |
| | Average | 0.139 | 0.086 | -0.053 |
| | Min | 0.109 | 0.049 | -0.092 |
| | Std Dev | 0.017 | 0.015 | 0.019 |




| | 6.10_ILKG_SENSE2/SENS |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 50 |
| Min Limit | -5 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | 0.084 | 0.083 | 0.064 | 0.063 | 0.085 | 0.083 | 0.072 | 0.058 | 0.073 | 0.067 | 0.049 |
| Average | 0.100 | 0.095 | 0.086 | 0.088 | 0.089 | 0.097 | 0.086 | 0.081 | 0.086 | 0.077 | 0.066 |
| Max | 0.112 | 0.109 | 0.114 | 0.106 | 0.095 | 0.109 | 0.101 | 0.104 | 0.102 | 0.086 | 0.091 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

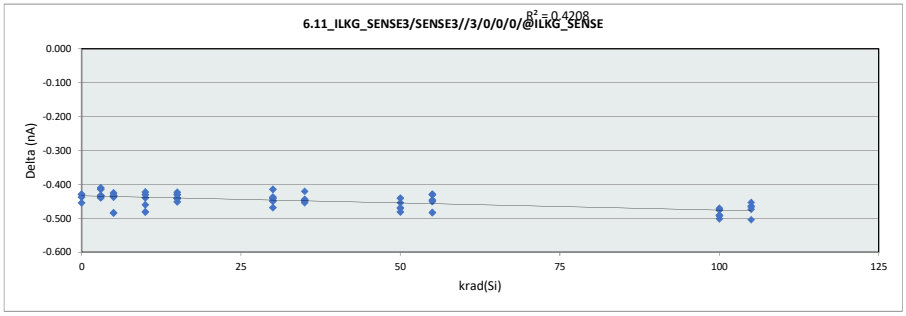


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

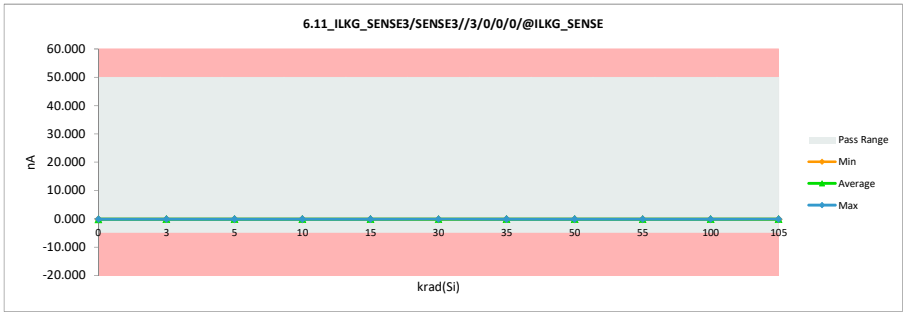
| | 6.11_ILKG_SENSE3/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | -0.168 | -0.429 |
| 0 | 14 | 0.264 | -0.173 | -0.437 |
| 0 | 15 | 0.263 | -0.191 | -0.454 |
| 3 | 20 | 0.273 | -0.160 | -0.433 |
| 3 | 21 | 0.263 | -0.151 | -0.414 |
| 3 | 22 | 0.275 | -0.158 | -0.433 |
| 3 | 23 | 0.281 | -0.158 | -0.439 |
| 3 | 24 | 0.277 | -0.133 | -0.410 |
| 5 | 25 | 0.271 | -0.154 | -0.425 |
| 5 | 26 | 0.295 | -0.189 | -0.484 |
| 5 | 27 | 0.283 | -0.151 | -0.434 |
| 5 | 28 | 0.281 | -0.151 | -0.432 |
| 5 | 29 | 0.289 | -0.148 | -0.437 |
| 10 | 30 | 0.298 | -0.162 | -0.460 |
| 10 | 31 | 0.301 | -0.180 | -0.481 |
| 10 | 32 | 0.294 | -0.136 | -0.430 |
| 10 | 33 | 0.282 | -0.157 | -0.439 |
| 10 | 34 | 0.273 | -0.149 | -0.422 |
| 15 | 35 | 0.271 | -0.159 | -0.430 |
| 15 | 36 | 0.286 | -0.154 | -0.440 |
| 15 | 37 | 0.281 | -0.142 | -0.423 |
| 15 | 38 | 0.275 | -0.166 | -0.441 |
| 15 | 39 | 0.291 | -0.160 | -0.451 |
| 30 | 40 | 0.292 | -0.176 | -0.468 |
| 30 | 41 | 0.280 | -0.161 | -0.441 |
| 30 | 42 | 0.297 | -0.152 | -0.449 |
| 30 | 43 | 0.279 | -0.158 | -0.437 |
| 30 | 44 | 0.291 | -0.123 | -0.414 |
| 35 | 45 | 0.284 | -0.136 | -0.420 |
| 35 | 46 | 0.296 | -0.151 | -0.447 |
| 35 | 47 | 0.287 | -0.162 | -0.449 |
| 35 | 48 | 0.292 | -0.152 | -0.444 |
| 35 | 49 | 0.295 | -0.159 | -0.454 |
| 50 | 50 | 0.301 | -0.169 | -0.470 |
| 50 | 51 | 0.302 | -0.179 | -0.481 |
| 50 | 52 | 0.300 | -0.154 | -0.454 |
| 50 | 53 | 0.309 | -0.159 | -0.468 |
| 50 | 54 | 0.305 | -0.135 | -0.440 |
| 55 | 55 | 0.295 | -0.151 | -0.446 |
| 55 | 56 | 0.281 | -0.149 | -0.430 |
| 55 | 57 | 0.307 | -0.176 | -0.483 |
| 55 | 58 | 0.294 | -0.156 | -0.450 |
| 55 | 59 | 0.290 | -0.139 | -0.429 |
| 100 | 60 | 0.334 | -0.157 | -0.491 |
| 100 | 61 | 0.322 | -0.148 | -0.470 |
| 100 | 62 | 0.331 | -0.160 | -0.491 |
| 100 | 63 | 0.328 | -0.147 | -0.475 |
| 100 | 64 | 0.324 | -0.177 | -0.501 |
| 105 | 65 | 0.330 | -0.123 | -0.453 |
| 105 | 66 | 0.331 | -0.142 | -0.473 |
| 105 | 67 | 0.319 | -0.185 | -0.504 |
| 105 | 68 | 0.315 | -0.151 | -0.466 |
| 105 | 69 | 0.326 | -0.137 | -0.463 |
| | Max | 0.334 | -0.123 | -0.410 |
| | Average | 0.294 | -0.156 | -0.450 |
| | Min | 0.261 | -0.191 | -0.504 |
| | Std Dev | 0.020 | 0.015 | 0.023 |




| | 6.11_ILKG_SENSE3/SENS |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 50 |
| Min Limit | -5 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -0.191 | -0.160 | -0.189 | -0.180 | -0.166 | -0.176 | -0.162 | -0.179 | -0.176 | -0.177 | -0.185 |
| Average | -0.177 | -0.152 | -0.159 | -0.157 | -0.156 | -0.154 | -0.152 | -0.159 | -0.154 | -0.158 | -0.148 |
| Max | -0.168 | -0.133 | -0.148 | -0.136 | -0.142 | -0.123 | -0.136 | -0.135 | -0.139 | -0.147 | -0.123 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

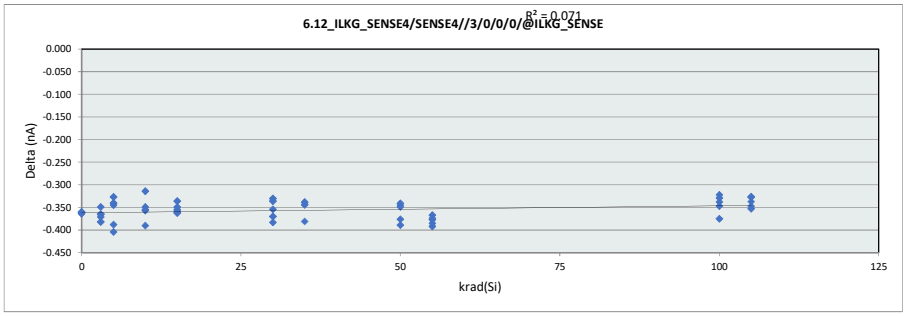


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

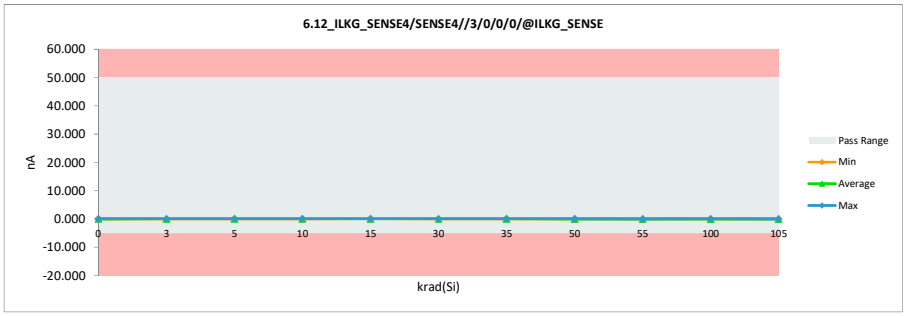
| | 6.12_ILKG_SENSE4/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.439 | 0.078 | -0.361 |
| 0 | 14 | 0.439 | 0.079 | -0.360 |
| 0 | 15 | 0.439 | 0.075 | -0.364 |
| 3 | 20 | 0.434 | 0.069 | -0.365 |
| 3 | 21 | 0.434 | 0.069 | -0.365 |
| 3 | 22 | 0.437 | 0.066 | -0.371 |
| 3 | 23 | 0.416 | 0.067 | -0.349 |
| 3 | 24 | 0.431 | 0.049 | -0.382 |
| 5 | 25 | 0.409 | 0.064 | -0.345 |
| 5 | 26 | 0.420 | 0.080 | -0.340 |
| 5 | 27 | 0.434 | 0.030 | -0.404 |
| 5 | 28 | 0.408 | 0.081 | -0.327 |
| 5 | 29 | 0.431 | 0.043 | -0.388 |
| 10 | 30 | 0.402 | 0.045 | -0.357 |
| 10 | 31 | 0.414 | 0.059 | -0.355 |
| 10 | 32 | 0.411 | 0.097 | -0.314 |
| 10 | 33 | 0.401 | 0.052 | -0.349 |
| 10 | 34 | 0.442 | 0.052 | -0.390 |
| 15 | 35 | 0.420 | 0.058 | -0.362 |
| 15 | 36 | 0.416 | 0.056 | -0.360 |
| 15 | 37 | 0.400 | 0.064 | -0.336 |
| 15 | 38 | 0.422 | 0.067 | -0.355 |
| 15 | 39 | 0.403 | 0.054 | -0.349 |
| 30 | 40 | 0.416 | 0.033 | -0.383 |
| 30 | 41 | 0.423 | 0.069 | -0.354 |
| 30 | 42 | 0.412 | 0.082 | -0.330 |
| 30 | 43 | 0.412 | 0.076 | -0.336 |
| 30 | 44 | 0.430 | 0.060 | -0.370 |
| 35 | 45 | 0.417 | 0.036 | -0.381 |
| 35 | 46 | 0.411 | 0.073 | -0.338 |
| 35 | 47 | 0.403 | 0.064 | -0.339 |
| 35 | 48 | 0.408 | 0.064 | -0.344 |
| 35 | 49 | 0.409 | 0.065 | -0.344 |
| 50 | 50 | 0.409 | 0.064 | -0.345 |
| 50 | 51 | 0.413 | 0.024 | -0.389 |
| 50 | 52 | 0.413 | 0.064 | -0.349 |
| 50 | 53 | 0.402 | 0.026 | -0.376 |
| 50 | 54 | 0.414 | 0.073 | -0.341 |
| 55 | 55 | 0.413 | 0.028 | -0.385 |
| 55 | 56 | 0.426 | 0.034 | -0.392 |
| 55 | 57 | 0.395 | 0.021 | -0.374 |
| 55 | 58 | 0.419 | 0.042 | -0.377 |
| 55 | 59 | 0.418 | 0.051 | -0.367 |
| 100 | 60 | 0.378 | 0.031 | -0.347 |
| 100 | 61 | 0.400 | 0.025 | -0.375 |
| 100 | 62 | 0.372 | 0.034 | -0.338 |
| 100 | 63 | 0.372 | 0.043 | -0.329 |
| 100 | 64 | 0.379 | 0.057 | -0.322 |
| 105 | 65 | 0.348 | 0.020 | -0.328 |
| 105 | 66 | 0.369 | 0.043 | -0.326 |
| 105 | 67 | 0.383 | 0.030 | -0.353 |
| 105 | 68 | 0.374 | 0.037 | -0.337 |
| 105 | 69 | 0.380 | 0.033 | -0.347 |
| | Max | 0.442 | 0.097 | -0.314 |
| | Average | 0.410 | 0.054 | -0.356 |
| | Min | 0.348 | 0.020 | -0.404 |
| | Std Dev | 0.021 | 0.019 | 0.021 |




| | 6.12_ILKG_SENSE4/SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 50 | nA |
| Min Limit | -5 | nA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | 0.075 | 0.049 | 0.030 | 0.045 | 0.054 | 0.033 | 0.036 | 0.024 | 0.021 | 0.025 | 0.020 |
| Average | 0.077 | 0.064 | 0.060 | 0.061 | 0.060 | 0.064 | 0.060 | 0.050 | 0.035 | 0.038 | 0.033 |
| Max | 0.079 | 0.069 | 0.081 | 0.097 | 0.067 | 0.082 | 0.073 | 0.073 | 0.051 | 0.057 | 0.043 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

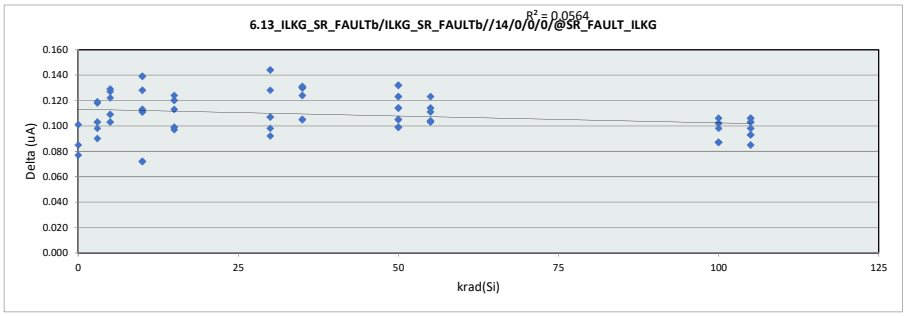


# TID HDR Report
# TPS7H3014-SP

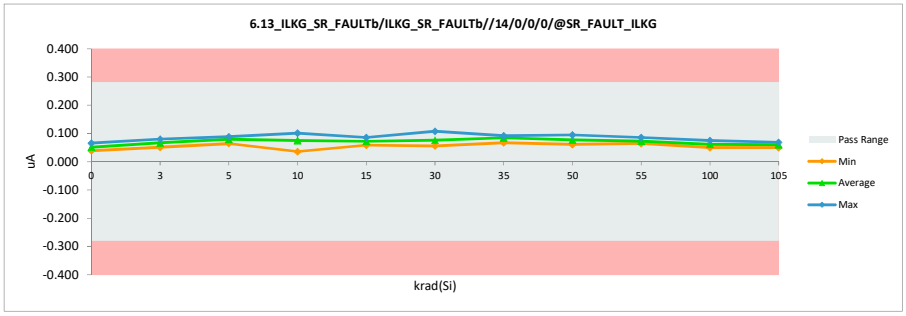
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.13_ILKG_SR_FAULTb/IL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 0.3 | 0.28 |
| Min Limit | -0.3 | -0.28 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.038 | 0.039 | 0.077 |
| 0 | 14 | -0.035 | 0.050 | 0.085 |
| 0 | 15 | -0.035 | 0.066 | 0.101 |
| 3 | 20 | -0.038 | 0.080 | 0.118 |
| 3 | 21 | -0.039 | 0.059 | 0.098 |
| 3 | 22 | -0.038 | 0.065 | 0.103 |
| 3 | 23 | -0.039 | 0.051 | 0.090 |
| 3 | 24 | -0.039 | 0.080 | 0.119 |
| 5 | 25 | -0.040 | 0.089 | 0.129 |
| 5 | 26 | -0.038 | 0.071 | 0.109 |
| 5 | 27 | -0.038 | 0.089 | 0.127 |
| 5 | 28 | -0.039 | 0.064 | 0.103 |
| 5 | 29 | -0.038 | 0.084 | 0.122 |
| 10 | 30 | -0.036 | 0.092 | 0.128 |
| 10 | 31 | -0.036 | 0.036 | 0.072 |
| 10 | 32 | -0.038 | 0.075 | 0.113 |
| 10 | 33 | -0.037 | 0.074 | 0.111 |
| 10 | 34 | -0.038 | 0.101 | 0.139 |
| 15 | 35 | -0.037 | 0.060 | 0.097 |
| 15 | 36 | -0.037 | 0.076 | 0.113 |
| 15 | 37 | -0.039 | 0.081 | 0.120 |
| 15 | 38 | -0.038 | 0.086 | 0.124 |
| 15 | 39 | -0.040 | 0.059 | 0.099 |
| 30 | 40 | -0.037 | 0.070 | 0.107 |
| 30 | 41 | -0.040 | 0.088 | 0.128 |
| 30 | 42 | -0.036 | 0.056 | 0.092 |
| 30 | 43 | -0.038 | 0.060 | 0.098 |
| 30 | 44 | -0.036 | 0.108 | 0.144 |
| 35 | 45 | -0.038 | 0.067 | 0.105 |
| 35 | 46 | -0.038 | 0.086 | 0.124 |
| 35 | 47 | -0.039 | 0.092 | 0.131 |
| 35 | 48 | -0.040 | 0.090 | 0.130 |
| 35 | 49 | -0.041 | 0.089 | 0.130 |
| 50 | 50 | -0.037 | 0.086 | 0.123 |
| 50 | 51 | -0.036 | 0.078 | 0.114 |
| 50 | 52 | -0.038 | 0.061 | 0.099 |
| 50 | 53 | -0.037 | 0.095 | 0.132 |
| 50 | 54 | -0.038 | 0.067 | 0.105 |
| 55 | 55 | -0.036 | 0.075 | 0.111 |
| 55 | 56 | -0.039 | 0.065 | 0.104 |
| 55 | 57 | -0.037 | 0.086 | 0.123 |
| 55 | 58 | -0.040 | 0.074 | 0.114 |
| 55 | 59 | -0.038 | 0.065 | 0.103 |
| 100 | 60 | -0.031 | 0.075 | 0.106 |
| 100 | 61 | -0.032 | 0.066 | 0.098 |
| 100 | 62 | -0.037 | 0.065 | 0.102 |
| 100 | 63 | -0.037 | 0.050 | 0.087 |
| 100 | 64 | -0.033 | 0.054 | 0.087 |
| 105 | 65 | -0.035 | 0.050 | 0.085 |
| 105 | 66 | -0.034 | 0.069 | 0.103 |
| 105 | 67 | -0.038 | 0.060 | 0.098 |
| 105 | 68 | -0.037 | 0.069 | 0.106 |
| 105 | 69 | -0.037 | 0.056 | 0.093 |
| | Max | -0.031 | 0.108 | 0.144 |
| | Average | -0.037 | 0.072 | 0.109 |
| | Min | -0.041 | 0.036 | 0.072 |
| | Std Dev | 0.002 | 0.016 | 0.016 |




| | 6.13_ILKG_SR_FAULTb/I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.28 | uA | | | | | | | | | |
| Min Limit | -0.28 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 | -0.280 |
| Min | 0.039 | 0.051 | 0.064 | 0.036 | 0.059 | 0.056 | 0.067 | 0.061 | 0.065 | 0.050 | 0.050 |
| Average | 0.052 | 0.067 | 0.079 | 0.076 | 0.072 | 0.076 | 0.085 | 0.077 | 0.073 | 0.062 | 0.061 |
| Max | 0.066 | 0.080 | 0.089 | 0.101 | 0.086 | 0.108 | 0.092 | 0.095 | 0.086 | 0.075 | 0.069 |
| UL | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 | 0.280 |

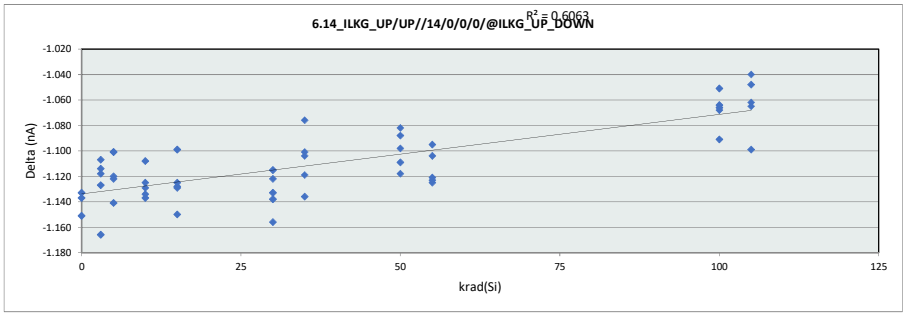


# TID HDR Report
# TPS7H3014-SP

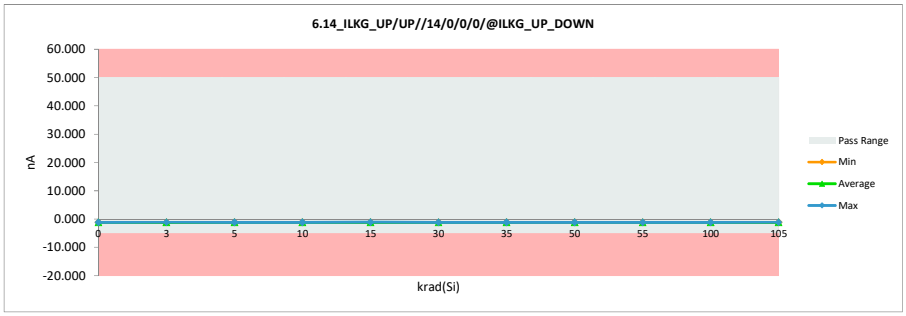
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.14_ILKG_UP/UP//14/0 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | nA | nA |
| Max Limit | 100 | 50 |
| Min Limit | -10 | -5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.021 | -1.154 | -1.133 |
| 0 | 14 | -0.033 | -1.170 | -1.137 |
| 0 | 15 | -0.019 | -1.170 | -1.151 |
| 3 | 20 | -0.026 | -1.133 | -1.107 |
| 3 | 21 | -0.032 | -1.159 | -1.127 |
| 3 | 22 | -0.025 | -1.191 | -1.166 |
| 3 | 23 | -0.038 | -1.156 | -1.118 |
| 3 | 24 | -0.040 | -1.154 | -1.114 |
| 5 | 25 | -0.039 | -1.159 | -1.120 |
| 5 | 26 | -0.046 | -1.147 | -1.101 |
| 5 | 27 | -0.049 | -1.150 | -1.101 |
| 5 | 28 | -0.040 | -1.181 | -1.141 |
| 5 | 29 | -0.031 | -1.153 | -1.122 |
| 10 | 30 | -0.041 | -1.149 | -1.108 |
| 10 | 31 | -0.035 | -1.164 | -1.129 |
| 10 | 32 | -0.039 | -1.164 | -1.125 |
| 10 | 33 | -0.023 | -1.160 | -1.137 |
| 10 | 34 | -0.034 | -1.168 | -1.134 |
| 15 | 35 | -0.034 | -1.163 | -1.129 |
| 15 | 36 | -0.037 | -1.136 | -1.099 |
| 15 | 37 | -0.040 | -1.168 | -1.128 |
| 15 | 38 | -0.046 | -1.171 | -1.125 |
| 15 | 39 | -0.020 | -1.170 | -1.150 |
| 30 | 40 | -0.039 | -1.172 | -1.133 |
| 30 | 41 | -0.033 | -1.171 | -1.138 |
| 30 | 42 | -0.045 | -1.160 | -1.115 |
| 30 | 43 | -0.035 | -1.191 | -1.156 |
| 30 | 44 | -0.033 | -1.155 | -1.122 |
| 35 | 45 | -0.041 | -1.145 | -1.104 |
| 35 | 46 | -0.032 | -1.168 | -1.136 |
| 35 | 47 | -0.056 | -1.175 | -1.119 |
| 35 | 48 | -0.078 | -1.154 | -1.076 |
| 35 | 49 | -0.060 | -1.161 | -1.101 |
| 50 | 50 | -0.051 | -1.160 | -1.109 |
| 50 | 51 | -0.065 | -1.163 | -1.098 |
| 50 | 52 | -0.063 | -1.145 | -1.082 |
| 50 | 53 | -0.056 | -1.144 | -1.088 |
| 50 | 54 | -0.047 | -1.165 | -1.118 |
| 55 | 55 | -0.060 | -1.164 | -1.104 |
| 55 | 56 | -0.056 | -1.181 | -1.125 |
| 55 | 57 | -0.068 | -1.191 | -1.123 |
| 55 | 58 | -0.063 | -1.158 | -1.095 |
| 55 | 59 | -0.059 | -1.180 | -1.121 |
| 100 | 60 | -0.119 | -1.170 | -1.051 |
| 100 | 61 | -0.104 | -1.170 | -1.066 |
| 100 | 62 | -0.097 | -1.188 | -1.091 |
| 100 | 63 | -0.098 | -1.166 | -1.068 |
| 100 | 64 | -0.115 | -1.179 | -1.064 |
| 105 | 65 | -0.086 | -1.151 | -1.065 |
| 105 | 66 | -0.124 | -1.186 | -1.062 |
| 105 | 67 | -0.103 | -1.151 | -1.048 |
| 105 | 68 | -0.087 | -1.186 | -1.099 |
| 105 | 69 | -0.093 | -1.133 | -1.040 |
| | Max | -0.019 | -1.133 | -1.040 |
| | Average | -0.054 | -1.164 | -1.110 |
| | Min | -0.124 | -1.191 | -1.166 |
| | Std Dev | 0.027 | 0.014 | 0.029 |




| | 6.14_ILKG_UP/UP//14/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 50 | nA | | | | | | | | | |
| Min Limit | -5 | nA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -1.170 | -1.191 | -1.181 | -1.168 | -1.171 | -1.191 | -1.175 | -1.165 | -1.191 | -1.188 | -1.186 |
| Average | -1.165 | -1.159 | -1.158 | -1.161 | -1.162 | -1.170 | -1.161 | -1.155 | -1.175 | -1.175 | -1.161 |
| Max | -1.154 | -1.133 | -1.147 | -1.149 | -1.136 | -1.155 | -1.145 | -1.144 | -1.158 | -1.166 | -1.133 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

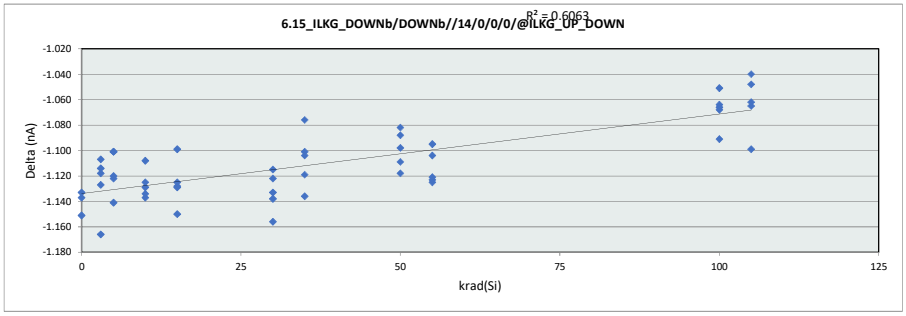


# TID HDR Report
# TPS7H3014-SP

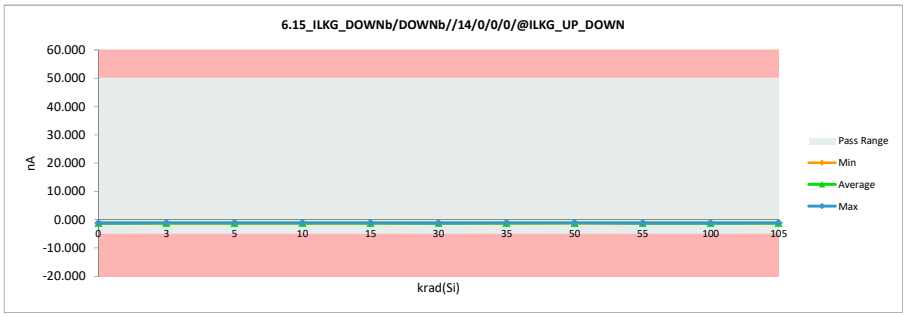
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.15_ILKG_DOWNb/DOWN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | nA | nA |
| Max Limit | 100 | 50 |
| Min Limit | -10 | -5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.021 | -1.154 | -1.133 |
| 0 | 14 | -0.033 | -1.170 | -1.137 |
| 0 | 15 | -0.019 | -1.170 | -1.151 |
| 3 | 20 | -0.026 | -1.133 | -1.107 |
| 3 | 21 | -0.032 | -1.159 | -1.127 |
| 3 | 22 | -0.025 | -1.191 | -1.166 |
| 3 | 23 | -0.038 | -1.156 | -1.118 |
| 3 | 24 | -0.040 | -1.154 | -1.114 |
| 5 | 25 | -0.039 | -1.159 | -1.120 |
| 5 | 26 | -0.046 | -1.147 | -1.101 |
| 5 | 27 | -0.049 | -1.150 | -1.101 |
| 5 | 28 | -0.040 | -1.181 | -1.141 |
| 5 | 29 | -0.031 | -1.153 | -1.122 |
| 10 | 30 | -0.041 | -1.149 | -1.108 |
| 10 | 31 | -0.035 | -1.164 | -1.129 |
| 10 | 32 | -0.039 | -1.164 | -1.125 |
| 10 | 33 | -0.023 | -1.160 | -1.137 |
| 10 | 34 | -0.034 | -1.168 | -1.134 |
| 15 | 35 | -0.034 | -1.163 | -1.129 |
| 15 | 36 | -0.037 | -1.136 | -1.099 |
| 15 | 37 | -0.040 | -1.168 | -1.128 |
| 15 | 38 | -0.046 | -1.171 | -1.125 |
| 15 | 39 | -0.020 | -1.170 | -1.150 |
| 30 | 40 | -0.039 | -1.172 | -1.133 |
| 30 | 41 | -0.033 | -1.171 | -1.138 |
| 30 | 42 | -0.045 | -1.160 | -1.115 |
| 30 | 43 | -0.035 | -1.191 | -1.156 |
| 30 | 44 | -0.033 | -1.155 | -1.122 |
| 35 | 45 | -0.041 | -1.145 | -1.104 |
| 35 | 46 | -0.032 | -1.168 | -1.136 |
| 35 | 47 | -0.056 | -1.175 | -1.119 |
| 35 | 48 | -0.078 | -1.154 | -1.076 |
| 35 | 49 | -0.060 | -1.161 | -1.101 |
| 50 | 50 | -0.051 | -1.160 | -1.109 |
| 50 | 51 | -0.065 | -1.163 | -1.098 |
| 50 | 52 | -0.063 | -1.145 | -1.082 |
| 50 | 53 | -0.056 | -1.144 | -1.088 |
| 50 | 54 | -0.047 | -1.165 | -1.118 |
| 55 | 55 | -0.060 | -1.164 | -1.104 |
| 55 | 56 | -0.056 | -1.181 | -1.125 |
| 55 | 57 | -0.068 | -1.191 | -1.123 |
| 55 | 58 | -0.063 | -1.158 | -1.095 |
| 55 | 59 | -0.059 | -1.180 | -1.121 |
| 100 | 60 | -0.119 | -1.170 | -1.051 |
| 100 | 61 | -0.104 | -1.170 | -1.066 |
| 100 | 62 | -0.097 | -1.188 | -1.091 |
| 100 | 63 | -0.098 | -1.166 | -1.068 |
| 100 | 64 | -0.115 | -1.179 | -1.064 |
| 105 | 65 | -0.086 | -1.151 | -1.065 |
| 105 | 66 | -0.124 | -1.186 | -1.062 |
| 105 | 67 | -0.103 | -1.151 | -1.048 |
| 105 | 68 | -0.087 | -1.186 | -1.099 |
| 105 | 69 | -0.093 | -1.133 | -1.040 |
| | Max | -0.019 | -1.133 | -1.040 |
| | Average | -0.054 | -1.164 | -1.110 |
| | Min | -0.124 | -1.191 | -1.166 |
| | Std Dev | 0.027 | 0.014 | 0.029 |




| | 6.15_ILKG_DOWNb/DOW | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 50 | nA | | | | | | | | | |
| Min Limit | -5 | nA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -1.170 | -1.191 | -1.181 | -1.168 | -1.171 | -1.191 | -1.175 | -1.165 | -1.191 | -1.188 | -1.186 |
| Average | -1.165 | -1.159 | -1.158 | -1.161 | -1.162 | -1.170 | -1.161 | -1.155 | -1.175 | -1.175 | -1.161 |
| Max | -1.154 | -1.133 | -1.147 | -1.149 | -1.136 | -1.155 | -1.145 | -1.144 | -1.158 | -1.166 | -1.133 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

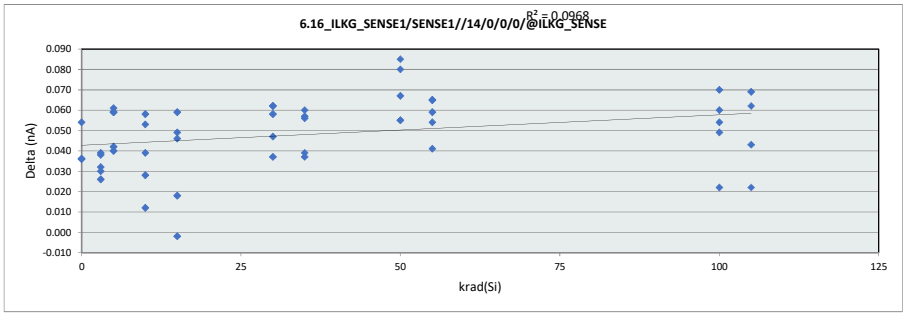


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

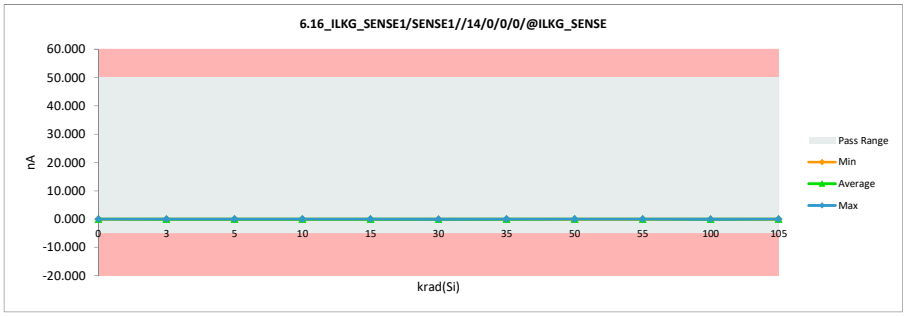
| | 6.16_ILKG_SENSE1/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | -0.084 | -0.030 | 0.054 |
| 0 | 14 | -0.077 | -0.041 | 0.036 |
| 0 | 15 | -0.045 | -0.009 | 0.036 |
| 3 | 20 | -0.059 | -0.027 | 0.032 |
| 3 | 21 | -0.086 | -0.060 | 0.026 |
| 3 | 22 | -0.066 | -0.036 | 0.030 |
| 3 | 23 | -0.095 | -0.056 | 0.039 |
| 3 | 24 | -0.086 | -0.048 | 0.038 |
| 5 | 25 | -0.098 | -0.037 | 0.061 |
| 5 | 26 | -0.083 | -0.024 | 0.059 |
| 5 | 27 | -0.099 | -0.059 | 0.040 |
| 5 | 28 | -0.111 | -0.052 | 0.059 |
| 5 | 29 | -0.090 | -0.048 | 0.042 |
| 10 | 30 | -0.105 | -0.047 | 0.058 |
| 10 | 31 | -0.108 | -0.055 | 0.053 |
| 10 | 32 | -0.082 | -0.070 | 0.012 |
| 10 | 33 | -0.074 | -0.046 | 0.028 |
| 10 | 34 | -0.075 | -0.036 | 0.039 |
| 15 | 35 | -0.062 | -0.064 | -0.002 |
| 15 | 36 | -0.080 | -0.034 | 0.046 |
| 15 | 37 | -0.075 | -0.057 | 0.018 |
| 15 | 38 | -0.104 | -0.045 | 0.059 |
| 15 | 39 | -0.084 | -0.035 | 0.049 |
| 30 | 40 | -0.109 | -0.051 | 0.058 |
| 30 | 41 | -0.097 | -0.050 | 0.047 |
| 30 | 42 | -0.094 | -0.057 | 0.037 |
| 30 | 43 | -0.108 | -0.046 | 0.062 |
| 30 | 44 | -0.110 | -0.048 | 0.062 |
| 35 | 45 | -0.076 | -0.039 | 0.037 |
| 35 | 46 | -0.084 | -0.045 | 0.039 |
| 35 | 47 | -0.113 | -0.053 | 0.060 |
| 35 | 48 | -0.090 | -0.034 | 0.056 |
| 35 | 49 | -0.108 | -0.051 | 0.057 |
| 50 | 50 | -0.106 | -0.039 | 0.067 |
| 50 | 51 | -0.111 | -0.026 | 0.085 |
| 50 | 52 | -0.104 | -0.024 | 0.080 |
| 50 | 53 | -0.102 | -0.047 | 0.055 |
| 50 | 54 | -0.095 | -0.040 | 0.055 |
| 55 | 55 | -0.094 | -0.035 | 0.059 |
| 55 | 56 | -0.101 | -0.047 | 0.054 |
| 55 | 57 | -0.114 | -0.049 | 0.065 |
| 55 | 58 | -0.082 | -0.041 | 0.041 |
| 55 | 59 | -0.095 | -0.030 | 0.065 |
| 100 | 60 | -0.108 | -0.048 | 0.060 |
| 100 | 61 | -0.124 | -0.054 | 0.070 |
| 100 | 62 | -0.112 | -0.063 | 0.049 |
| 100 | 63 | -0.097 | -0.043 | 0.054 |
| 100 | 64 | -0.072 | -0.050 | 0.022 |
| 105 | 65 | -0.077 | -0.034 | 0.043 |
| 105 | 66 | -0.102 | -0.040 | 0.062 |
| 105 | 67 | -0.084 | -0.062 | 0.022 |
| 105 | 68 | -0.086 | -0.017 | 0.069 |
| 105 | 69 | -0.094 | -0.025 | 0.069 |
| | Max | -0.045 | -0.009 | 0.085 |
| | Average | -0.092 | -0.043 | 0.049 |
| | Min | -0.124 | -0.070 | -0.002 |
| | Std Dev | 0.016 | 0.013 | 0.017 |




| | 6.16_ILKG_SENSE1/SENS |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 50 |
| Min Limit | -5 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -0.041 | -0.060 | -0.059 | -0.070 | -0.064 | -0.057 | -0.053 | -0.047 | -0.049 | -0.063 | -0.062 |
| Average | -0.027 | -0.045 | -0.044 | -0.051 | -0.047 | -0.050 | -0.044 | -0.035 | -0.040 | -0.052 | -0.036 |
| Max | -0.009 | -0.027 | -0.024 | -0.036 | -0.034 | -0.046 | -0.034 | -0.024 | -0.030 | -0.043 | -0.017 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

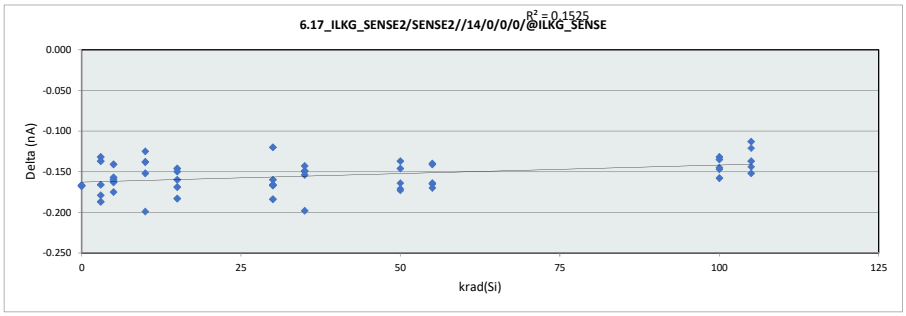


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.17_ILKG_SENSE2/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

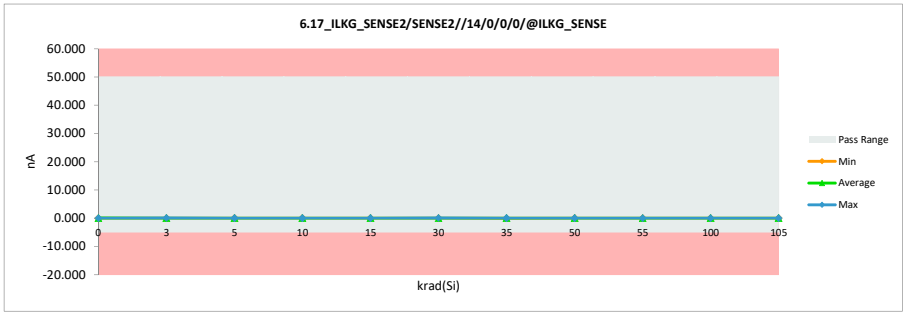
| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.248 | 0.080 | -0.168 |
| 0 | 14 | 0.242 | 0.075 | -0.167 |
| 0 | 15 | 0.238 | 0.071 | -0.167 |
| 3 | 20 | 0.220 | 0.041 | -0.179 |
| 3 | 21 | 0.236 | 0.070 | -0.166 |
| 3 | 22 | 0.234 | 0.097 | -0.137 |
| 3 | 23 | 0.241 | 0.054 | -0.187 |
| 3 | 24 | 0.230 | 0.098 | -0.132 |
| 5 | 25 | 0.225 | 0.065 | -0.160 |
| 5 | 26 | 0.238 | 0.075 | -0.163 |
| 5 | 27 | 0.223 | 0.066 | -0.157 |
| 5 | 28 | 0.225 | 0.084 | -0.141 |
| 5 | 29 | 0.232 | 0.057 | -0.175 |
| 10 | 30 | 0.218 | 0.080 | -0.138 |
| 10 | 31 | 0.213 | 0.075 | -0.138 |
| 10 | 32 | 0.204 | 0.079 | -0.125 |
| 10 | 33 | 0.216 | 0.064 | -0.152 |
| 10 | 34 | 0.243 | 0.044 | -0.199 |
| 15 | 35 | 0.237 | 0.054 | -0.183 |
| 15 | 36 | 0.228 | 0.082 | -0.146 |
| 15 | 37 | 0.223 | 0.073 | -0.150 |
| 15 | 38 | 0.235 | 0.066 | -0.169 |
| 15 | 39 | 0.235 | 0.075 | -0.160 |
| 30 | 40 | 0.226 | 0.042 | -0.184 |
| 30 | 41 | 0.227 | 0.061 | -0.166 |
| 30 | 42 | 0.227 | 0.060 | -0.167 |
| 30 | 43 | 0.212 | 0.092 | -0.120 |
| 30 | 44 | 0.236 | 0.076 | -0.160 |
| 35 | 45 | 0.222 | 0.079 | -0.143 |
| 35 | 46 | 0.211 | 0.062 | -0.149 |
| 35 | 47 | 0.221 | 0.071 | -0.150 |
| 35 | 48 | 0.209 | 0.055 | -0.154 |
| 35 | 49 | 0.218 | 0.020 | -0.198 |
| 50 | 50 | 0.216 | 0.045 | -0.171 |
| 50 | 51 | 0.205 | 0.059 | -0.146 |
| 50 | 52 | 0.216 | 0.052 | -0.164 |
| 50 | 53 | 0.218 | 0.045 | -0.173 |
| 50 | 54 | 0.210 | 0.073 | -0.137 |
| 55 | 55 | 0.226 | 0.056 | -0.170 |
| 55 | 56 | 0.210 | 0.046 | -0.164 |
| 55 | 57 | 0.209 | 0.068 | -0.141 |
| 55 | 58 | 0.207 | 0.067 | -0.140 |
| 55 | 59 | 0.225 | 0.060 | -0.165 |
| 100 | 60 | 0.192 | 0.060 | -0.132 |
| 100 | 61 | 0.178 | 0.031 | -0.147 |
| 100 | 62 | 0.211 | 0.066 | -0.145 |
| 100 | 63 | 0.198 | 0.063 | -0.135 |
| 100 | 64 | 0.197 | 0.039 | -0.158 |
| 105 | 65 | 0.190 | 0.053 | -0.137 |
| 105 | 66 | 0.200 | 0.087 | -0.113 |
| 105 | 67 | 0.204 | 0.052 | -0.152 |
| 105 | 68 | 0.197 | 0.053 | -0.144 |
| 105 | 69 | 0.204 | 0.083 | -0.121 |
| | Max | 0.248 | 0.098 | -0.113 |
| | Average | 0.219 | 0.064 | -0.155 |
| | Min | 0.178 | 0.020 | -0.199 |
| | Std Dev | 0.015 | 0.016 | 0.019 |




| | 6.17_ILKG_SENSE2/SENS |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 50 |
| Min Limit | -5 |

| | nA |
|---|---|
| | nA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | 0.071 | 0.041 | 0.057 | 0.044 | 0.054 | 0.042 | 0.020 | 0.045 | 0.046 | 0.031 | 0.052 |
| Average | 0.075 | 0.072 | 0.069 | 0.068 | 0.070 | 0.066 | 0.057 | 0.055 | 0.059 | 0.052 | 0.066 |
| Max | 0.080 | 0.098 | 0.084 | 0.080 | 0.082 | 0.092 | 0.079 | 0.073 | 0.068 | 0.066 | 0.087 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

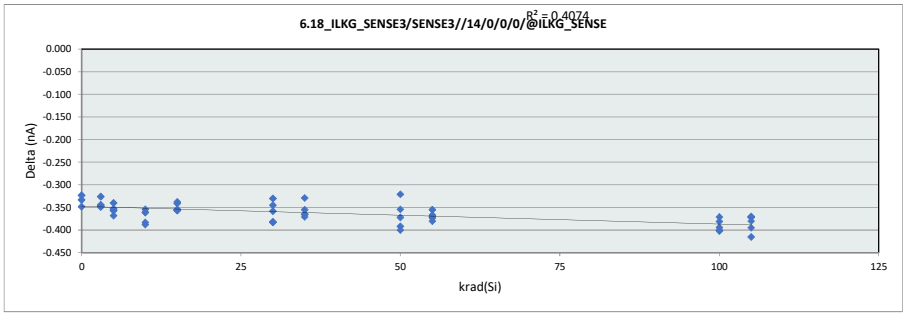


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

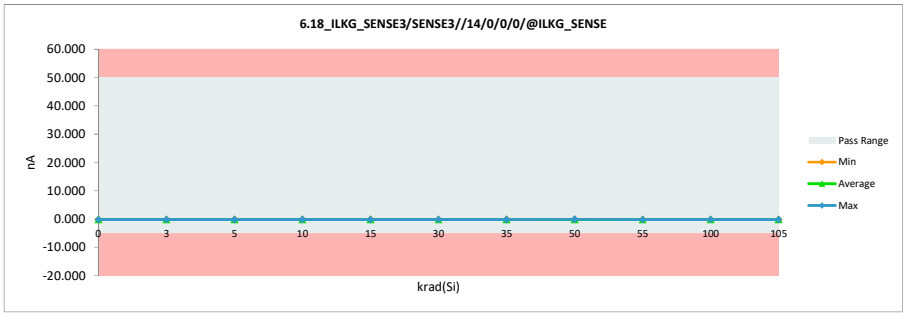
| | 6.18_ILKG_SENSE3/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.179 | -0.144 | -0.323 |
| 0 | 14 | 0.184 | -0.149 | -0.333 |
| 0 | 15 | 0.177 | -0.171 | -0.348 |
| 3 | 20 | 0.188 | -0.138 | -0.326 |
| 3 | 21 | 0.202 | -0.145 | -0.347 |
| 3 | 22 | 0.190 | -0.154 | -0.344 |
| 3 | 23 | 0.193 | -0.156 | -0.349 |
| 3 | 24 | 0.200 | -0.147 | -0.347 |
| 5 | 25 | 0.205 | -0.148 | -0.353 |
| 5 | 26 | 0.196 | -0.160 | -0.356 |
| 5 | 27 | 0.203 | -0.154 | -0.357 |
| 5 | 28 | 0.201 | -0.139 | -0.340 |
| 5 | 29 | 0.205 | -0.163 | -0.368 |
| 10 | 30 | 0.205 | -0.149 | -0.354 |
| 10 | 31 | 0.215 | -0.173 | -0.388 |
| 10 | 32 | 0.225 | -0.158 | -0.383 |
| 10 | 33 | 0.192 | -0.169 | -0.361 |
| 10 | 34 | 0.204 | -0.157 | -0.361 |
| 15 | 35 | 0.186 | -0.152 | -0.338 |
| 15 | 36 | 0.194 | -0.147 | -0.341 |
| 15 | 37 | 0.213 | -0.143 | -0.356 |
| 15 | 38 | 0.202 | -0.152 | -0.354 |
| 15 | 39 | 0.210 | -0.147 | -0.357 |
| 30 | 40 | 0.206 | -0.139 | -0.345 |
| 30 | 41 | 0.203 | -0.155 | -0.358 |
| 30 | 42 | 0.221 | -0.162 | -0.383 |
| 30 | 43 | 0.213 | -0.169 | -0.382 |
| 30 | 44 | 0.198 | -0.132 | -0.330 |
| 35 | 45 | 0.193 | -0.136 | -0.329 |
| 35 | 46 | 0.222 | -0.149 | -0.371 |
| 35 | 47 | 0.218 | -0.147 | -0.365 |
| 35 | 48 | 0.212 | -0.143 | -0.355 |
| 35 | 49 | 0.211 | -0.155 | -0.366 |
| 50 | 50 | 0.213 | -0.159 | -0.372 |
| 50 | 51 | 0.227 | -0.173 | -0.400 |
| 50 | 52 | 0.205 | -0.116 | -0.321 |
| 50 | 53 | 0.228 | -0.164 | -0.392 |
| 50 | 54 | 0.221 | -0.133 | -0.354 |
| 55 | 55 | 0.230 | -0.141 | -0.371 |
| 55 | 56 | 0.217 | -0.156 | -0.373 |
| 55 | 57 | 0.199 | -0.156 | -0.355 |
| 55 | 58 | 0.204 | -0.163 | -0.367 |
| 55 | 59 | 0.211 | -0.169 | -0.380 |
| 100 | 60 | 0.246 | -0.148 | -0.394 |
| 100 | 61 | 0.235 | -0.167 | -0.402 |
| 100 | 62 | 0.244 | -0.127 | -0.371 |
| 100 | 63 | 0.244 | -0.156 | -0.400 |
| 100 | 64 | 0.240 | -0.141 | -0.381 |
| 105 | 65 | 0.254 | -0.161 | -0.415 |
| 105 | 66 | 0.241 | -0.154 | -0.395 |
| 105 | 67 | 0.248 | -0.132 | -0.380 |
| 105 | 68 | 0.220 | -0.152 | -0.372 |
| 105 | 69 | 0.237 | -0.133 | -0.370 |
| | Max | 0.254 | -0.116 | -0.321 |
| | Average | 0.212 | -0.151 | -0.363 |
| | Min | 0.177 | -0.173 | -0.415 |
| | Std Dev | 0.019 | 0.012 | 0.022 |




| | 6.18_ILKG_SENSE3/SENS |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 50 |
| Min Limit | -5 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | -0.171 | -0.156 | -0.163 | -0.173 | -0.152 | -0.169 | -0.155 | -0.173 | -0.169 | -0.167 | -0.161 |
| Average | -0.155 | -0.148 | -0.153 | -0.161 | -0.148 | -0.151 | -0.146 | -0.149 | -0.157 | -0.148 | -0.146 |
| Max | -0.144 | -0.138 | -0.139 | -0.149 | -0.143 | -0.132 | -0.136 | -0.116 | -0.141 | -0.127 | -0.132 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

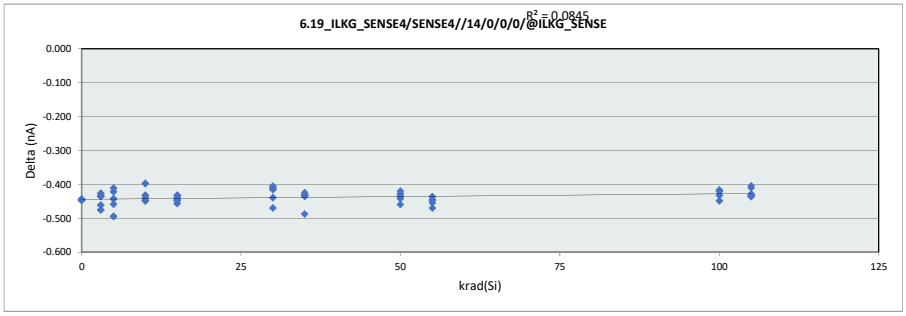


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

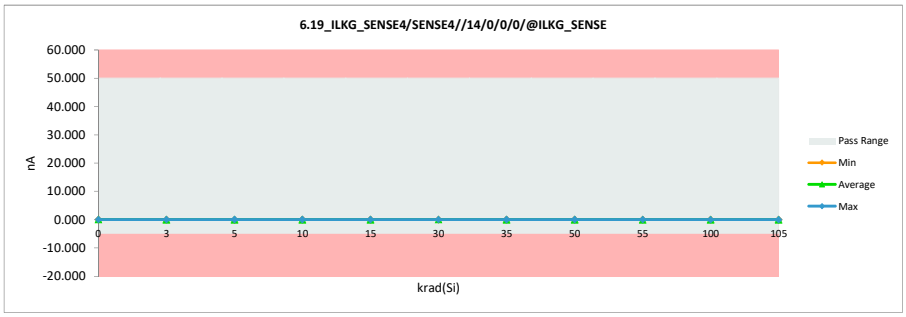
| | 6.19_ILKG_SENSE4/SENSE |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | nA |
| Max Limit | 100 |
| Min Limit | -10 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.501 | 0.055 | -0.446 |
| 0 | 14 | 0.502 | 0.059 | -0.443 |
| 0 | 15 | 0.499 | 0.053 | -0.446 |
| 3 | 20 | 0.494 | 0.059 | -0.435 |
| 3 | 21 | 0.504 | 0.043 | -0.461 |
| 3 | 22 | 0.503 | 0.028 | -0.475 |
| 3 | 23 | 0.474 | 0.048 | -0.426 |
| 3 | 24 | 0.491 | 0.057 | -0.434 |
| 5 | 25 | 0.492 | 0.050 | -0.442 |
| 5 | 26 | 0.475 | 0.054 | -0.421 |
| 5 | 27 | 0.486 | 0.028 | -0.458 |
| 5 | 28 | 0.473 | 0.062 | -0.411 |
| 5 | 29 | 0.483 | -0.011 | -0.494 |
| 10 | 30 | 0.481 | 0.034 | -0.447 |
| 10 | 31 | 0.466 | 0.069 | -0.397 |
| 10 | 32 | 0.484 | 0.052 | -0.432 |
| 10 | 33 | 0.485 | 0.037 | -0.448 |
| 10 | 34 | 0.481 | 0.041 | -0.440 |
| 15 | 35 | 0.485 | 0.040 | -0.445 |
| 15 | 36 | 0.488 | 0.050 | -0.438 |
| 15 | 37 | 0.477 | 0.021 | -0.456 |
| 15 | 38 | 0.477 | 0.030 | -0.447 |
| 15 | 39 | 0.473 | 0.041 | -0.432 |
| 30 | 40 | 0.500 | 0.031 | -0.469 |
| 30 | 41 | 0.474 | 0.059 | -0.415 |
| 30 | 42 | 0.469 | 0.058 | -0.411 |
| 30 | 43 | 0.475 | 0.070 | -0.405 |
| 30 | 44 | 0.491 | 0.052 | -0.439 |
| 35 | 45 | 0.495 | 0.008 | -0.487 |
| 35 | 46 | 0.482 | 0.052 | -0.430 |
| 35 | 47 | 0.479 | 0.046 | -0.433 |
| 35 | 48 | 0.480 | 0.056 | -0.424 |
| 35 | 49 | 0.472 | 0.037 | -0.435 |
| 50 | 50 | 0.458 | 0.039 | -0.419 |
| 50 | 51 | 0.478 | 0.051 | -0.427 |
| 50 | 52 | 0.498 | 0.057 | -0.441 |
| 50 | 53 | 0.487 | 0.028 | -0.459 |
| 50 | 54 | 0.485 | 0.050 | -0.435 |
| 55 | 55 | 0.491 | 0.055 | -0.436 |
| 55 | 56 | 0.479 | 0.010 | -0.469 |
| 55 | 57 | 0.482 | 0.037 | -0.445 |
| 55 | 58 | 0.476 | 0.022 | -0.454 |
| 55 | 59 | 0.479 | 0.033 | -0.446 |
| 100 | 60 | 0.461 | 0.042 | -0.419 |
| 100 | 61 | 0.446 | 0.030 | -0.416 |
| 100 | 62 | 0.452 | 0.004 | -0.448 |
| 100 | 63 | 0.442 | 0.022 | -0.420 |
| 100 | 64 | 0.450 | 0.018 | -0.432 |
| 105 | 65 | 0.440 | 0.008 | -0.432 |
| 105 | 66 | 0.430 | 0.026 | -0.404 |
| 105 | 67 | 0.457 | 0.021 | -0.436 |
| 105 | 68 | 0.456 | 0.046 | -0.410 |
| 105 | 69 | 0.449 | 0.021 | -0.428 |
| | Max | 0.504 | 0.070 | -0.397 |
| | Average | 0.477 | 0.039 | -0.438 |
| | Min | 0.430 | -0.011 | -0.494 |
| | Std Dev | 0.017 | 0.018 | 0.020 |




| | 6.19_ILKG_SENSE4/SENS |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 50 |
| Min Limit | -5 |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 | -5.000 |
| Min | 0.053 | 0.028 | -0.011 | 0.034 | 0.021 | 0.031 | 0.008 | 0.028 | 0.010 | 0.004 | 0.008 |
| Average | 0.056 | 0.047 | 0.037 | 0.047 | 0.036 | 0.054 | 0.040 | 0.045 | 0.031 | 0.023 | 0.024 |
| Max | 0.059 | 0.059 | 0.062 | 0.069 | 0.050 | 0.070 | 0.056 | 0.057 | 0.055 | 0.042 | 0.046 |
| UL | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 | 50.000 |

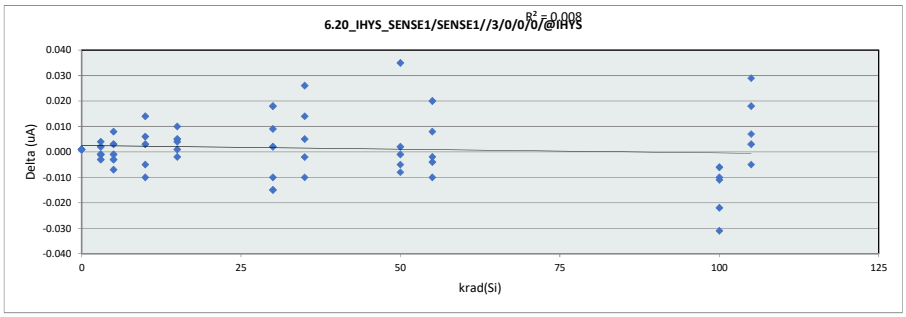


# TID HDR Report
# TPS7H3014-SP

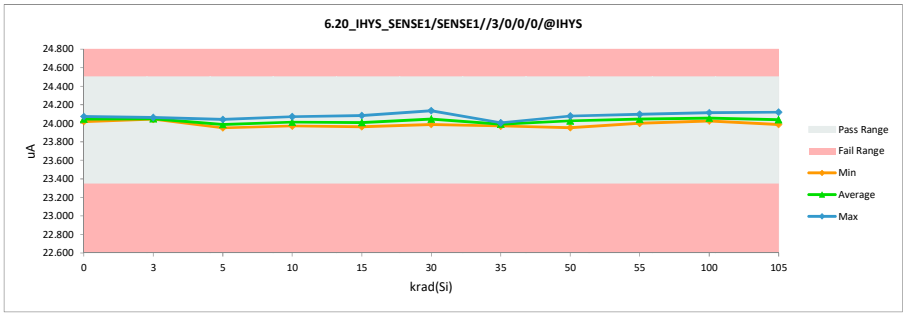
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.20_IHYS_SENSE1/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.046 | 24.047 | 0.001 |
| 0 | 14 | 24.072 | 24.073 | 0.001 |
| 0 | 15 | 24.017 | 24.018 | 0.001 |
| 3 | 20 | 24.044 | 24.043 | -0.001 |
| 3 | 21 | 24.044 | 24.046 | 0.002 |
| 3 | 22 | 24.049 | 24.048 | -0.001 |
| 3 | 23 | 24.066 | 24.063 | -0.003 |
| 3 | 24 | 24.040 | 24.044 | 0.004 |
| 5 | 25 | 24.037 | 24.040 | 0.003 |
| 5 | 26 | 23.957 | 23.950 | -0.007 |
| 5 | 27 | 23.946 | 23.954 | 0.008 |
| 5 | 28 | 23.968 | 23.967 | -0.001 |
| 5 | 29 | 24.026 | 24.023 | -0.003 |
| 10 | 30 | 23.991 | 24.005 | 0.014 |
| 10 | 31 | 23.992 | 23.998 | 0.006 |
| 10 | 32 | 24.081 | 24.071 | -0.010 |
| 10 | 33 | 24.014 | 24.017 | 0.003 |
| 10 | 34 | 23.975 | 23.970 | -0.005 |
| 15 | 35 | 24.026 | 24.031 | 0.005 |
| 15 | 36 | 24.080 | 24.084 | 0.004 |
| 15 | 37 | 23.966 | 23.964 | -0.002 |
| 15 | 38 | 23.963 | 23.973 | 0.010 |
| 15 | 39 | 23.992 | 23.993 | 0.001 |
| 30 | 40 | 24.016 | 24.018 | 0.002 |
| 30 | 41 | 24.002 | 23.987 | -0.015 |
| 30 | 42 | 24.025 | 24.043 | 0.018 |
| 30 | 43 | 24.041 | 24.050 | 0.009 |
| 30 | 44 | 24.146 | 24.136 | -0.010 |
| 35 | 45 | 24.015 | 24.005 | -0.010 |
| 35 | 46 | 23.966 | 23.971 | 0.005 |
| 35 | 47 | 23.982 | 23.980 | -0.002 |
| 35 | 48 | 23.986 | 24.000 | 0.014 |
| 35 | 49 | 23.969 | 23.995 | 0.026 |
| 50 | 50 | 24.070 | 24.065 | -0.005 |
| 50 | 51 | 23.954 | 23.953 | -0.001 |
| 50 | 52 | 24.044 | 24.079 | 0.035 |
| 50 | 53 | 24.011 | 24.013 | 0.002 |
| 50 | 54 | 24.028 | 24.020 | -0.008 |
| 55 | 55 | 24.045 | 24.035 | -0.010 |
| 55 | 56 | 24.056 | 24.054 | -0.002 |
| 55 | 57 | 24.004 | 24.000 | -0.004 |
| 55 | 58 | 24.026 | 24.034 | 0.008 |
| 55 | 59 | 24.077 | 24.097 | 0.020 |
| 100 | 60 | 24.059 | 24.049 | -0.010 |
| 100 | 61 | 24.137 | 24.115 | -0.022 |
| 100 | 62 | 24.076 | 24.045 | -0.031 |
| 100 | 63 | 24.061 | 24.050 | -0.011 |
| 100 | 64 | 24.030 | 24.024 | -0.006 |
| 105 | 65 | 23.993 | 24.022 | 0.029 |
| 105 | 66 | 24.022 | 24.040 | 0.018 |
| 105 | 67 | 23.991 | 23.986 | -0.005 |
| 105 | 68 | 24.116 | 24.119 | 0.003 |
| 105 | 69 | 24.019 | 24.026 | 0.007 |
| | Max | 24.146 | 24.136 | 0.035 |
| | Average | 24.026 | 24.027 | 0.001 |
| | Min | 23.946 | 23.950 | -0.031 |
| | Std Dev | 0.045 | 0.043 | 0.012 |




| | 6.20_IHYS_SENSE1/SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.018 | 24.043 | 23.950 | 23.970 | 23.964 | 23.987 | 23.971 | 23.953 | 24.000 | 24.024 | 23.986 |
| Average | 24.046 | 24.049 | 23.987 | 24.012 | 24.009 | 24.047 | 23.990 | 24.026 | 24.044 | 24.057 | 24.039 |
| Max | 24.073 | 24.063 | 24.040 | 24.071 | 24.084 | 24.136 | 24.005 | 24.079 | 24.097 | 24.115 | 24.119 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

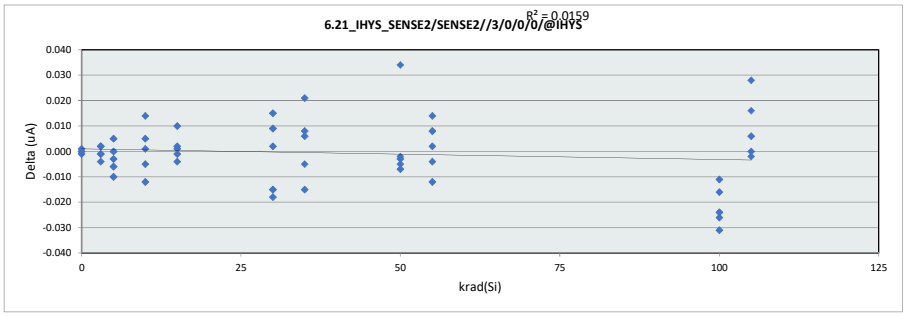


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

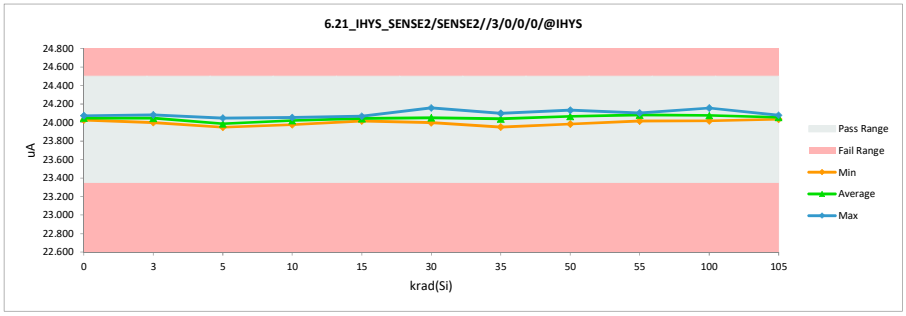
| | 6.21_IHYS_SENSE2/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.047 | 24.047 | 0.000 |
| 0 | 14 | 24.074 | 24.075 | 0.001 |
| 0 | 15 | 24.028 | 24.027 | -0.001 |
| 3 | 20 | 24.085 | 24.084 | -0.001 |
| 3 | 21 | 24.021 | 24.023 | 0.002 |
| 3 | 22 | 24.001 | 24.000 | -0.001 |
| 3 | 23 | 24.057 | 24.053 | -0.004 |
| 3 | 24 | 24.077 | 24.079 | 0.002 |
| 5 | 25 | 24.049 | 24.049 | 0.000 |
| 5 | 26 | 23.961 | 23.951 | -0.010 |
| 5 | 27 | 23.945 | 23.950 | 0.005 |
| 5 | 28 | 24.014 | 24.011 | -0.003 |
| 5 | 29 | 23.985 | 23.979 | -0.006 |
| 10 | 30 | 23.963 | 23.977 | 0.014 |
| 10 | 31 | 24.024 | 24.029 | 0.005 |
| 10 | 32 | 24.067 | 24.055 | -0.012 |
| 10 | 33 | 24.039 | 24.040 | 0.001 |
| 10 | 34 | 24.012 | 24.007 | -0.005 |
| 15 | 35 | 24.068 | 24.069 | 0.001 |
| 15 | 36 | 24.058 | 24.060 | 0.002 |
| 15 | 37 | 24.050 | 24.046 | -0.004 |
| 15 | 38 | 24.014 | 24.024 | 0.010 |
| 15 | 39 | 24.018 | 24.017 | -0.001 |
| 30 | 40 | 24.054 | 24.056 | 0.002 |
| 30 | 41 | 24.024 | 24.006 | -0.018 |
| 30 | 42 | 23.984 | 23.999 | 0.015 |
| 30 | 43 | 24.033 | 24.042 | 0.009 |
| 30 | 44 | 24.174 | 24.159 | -0.015 |
| 35 | 45 | 24.026 | 24.011 | -0.015 |
| 35 | 46 | 24.047 | 24.053 | 0.006 |
| 35 | 47 | 24.091 | 24.086 | -0.005 |
| 35 | 48 | 24.091 | 24.099 | 0.008 |
| 35 | 49 | 23.931 | 23.952 | 0.021 |
| 50 | 50 | 24.086 | 24.081 | -0.005 |
| 50 | 51 | 23.988 | 23.985 | -0.003 |
| 50 | 52 | 24.074 | 24.108 | 0.034 |
| 50 | 53 | 24.136 | 24.134 | -0.002 |
| 50 | 54 | 24.038 | 24.031 | -0.007 |
| 55 | 55 | 24.029 | 24.017 | -0.012 |
| 55 | 56 | 24.099 | 24.101 | 0.002 |
| 55 | 57 | 24.108 | 24.104 | -0.004 |
| 55 | 58 | 24.083 | 24.091 | 0.008 |
| 55 | 59 | 24.083 | 24.097 | 0.014 |
| 100 | 60 | 24.061 | 24.037 | -0.024 |
| 100 | 61 | 24.188 | 24.157 | -0.031 |
| 100 | 62 | 24.151 | 24.125 | -0.026 |
| 100 | 63 | 24.073 | 24.057 | -0.016 |
| 100 | 64 | 24.029 | 24.018 | -0.011 |
| 105 | 65 | 24.014 | 24.042 | 0.028 |
| 105 | 66 | 24.053 | 24.069 | 0.016 |
| 105 | 67 | 24.030 | 24.036 | 0.006 |
| 105 | 68 | 24.079 | 24.079 | 0.000 |
| 105 | 69 | 24.055 | 24.053 | -0.002 |
| | Max | 24.188 | 24.159 | 0.034 |
| | Average | 24.048 | 24.048 | -0.001 |
| | Min | 23.931 | 23.950 | -0.031 |
| | Std Dev | 0.051 | 0.048 | 0.012 |




| | 6.21_IHYS_SENSE2/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 24.5 | uA |
| Min Limit | 23.35 | uA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.027 | 24.000 | 23.950 | 23.977 | 24.017 | 23.999 | 23.952 | 23.985 | 24.017 | 24.018 | 24.036 |
| Average | 24.050 | 24.048 | 23.988 | 24.022 | 24.043 | 24.052 | 24.040 | 24.068 | 24.082 | 24.079 | 24.056 |
| Max | 24.075 | 24.084 | 24.049 | 24.055 | 24.069 | 24.159 | 24.099 | 24.134 | 24.104 | 24.157 | 24.079 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

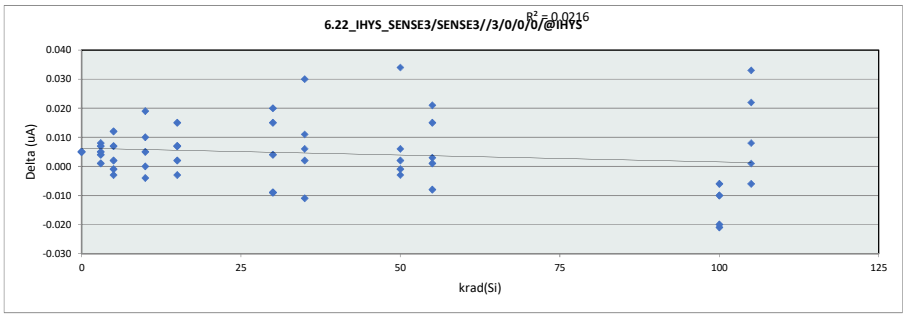


# TID HDR Report
# TPS7H3014-SP

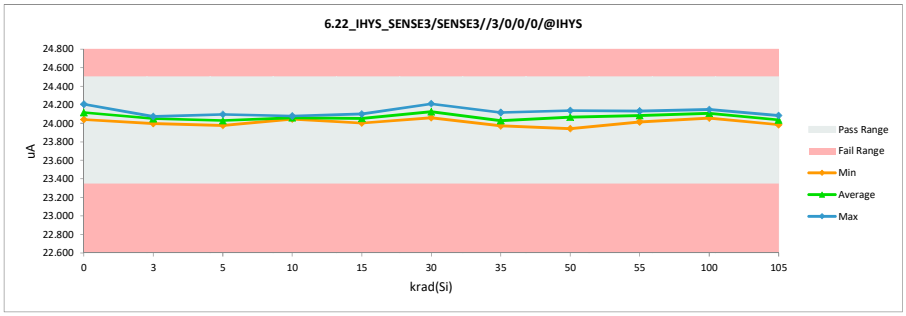
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.22_IHYS_SENSE3/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.095 | 24.100 | 0.005 |
| 0 | 14 | 24.200 | 24.205 | 0.005 |
| 0 | 15 | 24.036 | 24.041 | 0.005 |
| 3 | 20 | 24.060 | 24.064 | 0.004 |
| 3 | 21 | 24.061 | 24.069 | 0.008 |
| 3 | 22 | 23.992 | 23.997 | 0.005 |
| 3 | 23 | 24.053 | 24.054 | 0.001 |
| 3 | 24 | 24.065 | 24.072 | 0.007 |
| 5 | 25 | 24.067 | 24.074 | 0.007 |
| 5 | 26 | 24.098 | 24.095 | -0.003 |
| 5 | 27 | 23.963 | 23.975 | 0.012 |
| 5 | 28 | 24.020 | 24.022 | 0.002 |
| 5 | 29 | 23.984 | 23.983 | -0.001 |
| 10 | 30 | 24.039 | 24.058 | 0.019 |
| 10 | 31 | 24.067 | 24.077 | 0.010 |
| 10 | 32 | 24.078 | 24.074 | -0.004 |
| 10 | 33 | 24.041 | 24.046 | 0.005 |
| 10 | 34 | 24.046 | 24.046 | 0.000 |
| 15 | 35 | 24.041 | 24.048 | 0.007 |
| 15 | 36 | 24.092 | 24.099 | 0.007 |
| 15 | 37 | 24.006 | 24.003 | -0.003 |
| 15 | 38 | 24.033 | 24.048 | 0.015 |
| 15 | 39 | 24.065 | 24.067 | 0.002 |
| 30 | 40 | 24.055 | 24.059 | 0.004 |
| 30 | 41 | 24.120 | 24.111 | -0.009 |
| 30 | 42 | 24.068 | 24.088 | 0.020 |
| 30 | 43 | 24.136 | 24.151 | 0.015 |
| 30 | 44 | 24.219 | 24.210 | -0.009 |
| 35 | 45 | 24.041 | 24.030 | -0.011 |
| 35 | 46 | 23.983 | 23.989 | 0.006 |
| 35 | 47 | 24.113 | 24.115 | 0.002 |
| 35 | 48 | 24.028 | 24.039 | 0.011 |
| 35 | 49 | 23.942 | 23.972 | 0.030 |
| 50 | 50 | 24.088 | 24.087 | -0.001 |
| 50 | 51 | 23.939 | 23.941 | 0.002 |
| 50 | 52 | 24.038 | 24.072 | 0.034 |
| 50 | 53 | 24.080 | 24.086 | 0.006 |
| 50 | 54 | 24.140 | 24.137 | -0.003 |
| 55 | 55 | 24.140 | 24.132 | -0.008 |
| 55 | 56 | 24.043 | 24.044 | 0.001 |
| 55 | 57 | 24.012 | 24.015 | 0.003 |
| 55 | 58 | 24.103 | 24.118 | 0.015 |
| 55 | 59 | 24.089 | 24.110 | 0.021 |
| 100 | 60 | 24.120 | 24.110 | -0.010 |
| 100 | 61 | 24.168 | 24.147 | -0.021 |
| 100 | 62 | 24.144 | 24.124 | -0.020 |
| 100 | 63 | 24.067 | 24.057 | -0.010 |
| 100 | 64 | 24.110 | 24.104 | -0.006 |
| 105 | 65 | 23.951 | 23.984 | 0.033 |
| 105 | 66 | 24.061 | 24.083 | 0.022 |
| 105 | 67 | 23.992 | 23.986 | -0.006 |
| 105 | 68 | 24.047 | 24.048 | 0.001 |
| 105 | 69 | 24.073 | 24.081 | 0.008 |
| | Max | 24.219 | 24.210 | 0.034 |
| | Average | 24.062 | 24.067 | 0.004 |
| | Min | 23.939 | 23.941 | -0.021 |
| | Std Dev | 0.060 | 0.056 | 0.012 |




| | 6.22_IHYS_SENSE3/SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.041 | 23.997 | 23.975 | 24.046 | 24.003 | 24.059 | 23.972 | 23.941 | 24.015 | 24.057 | 23.984 |
| Average | 24.115 | 24.051 | 24.030 | 24.060 | 24.053 | 24.124 | 24.029 | 24.065 | 24.084 | 24.108 | 24.036 |
| Max | 24.205 | 24.072 | 24.095 | 24.077 | 24.099 | 24.210 | 24.115 | 24.137 | 24.132 | 24.147 | 24.083 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

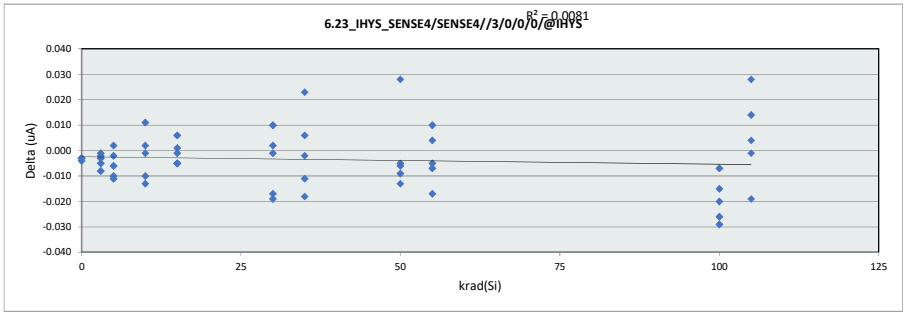


# TID HDR Report
# TPS7H3014-SP

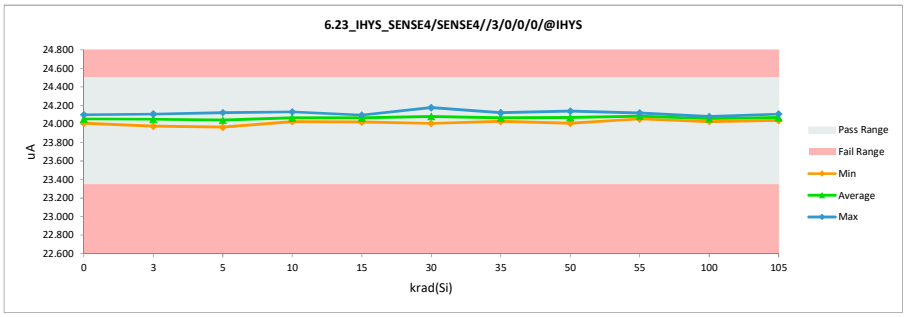
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.23_IHYS_SENSE4/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.057 | 24.054 | -0.003 |
| 0 | 14 | 24.104 | 24.100 | -0.004 |
| 0 | 15 | 24.010 | 24.007 | -0.003 |
| 3 | 20 | 24.075 | 24.072 | -0.003 |
| 3 | 21 | 24.066 | 24.064 | -0.002 |
| 3 | 22 | 23.982 | 23.977 | -0.005 |
| 3 | 23 | 24.045 | 24.037 | -0.008 |
| 3 | 24 | 24.108 | 24.107 | -0.001 |
| 5 | 25 | 24.033 | 24.031 | -0.002 |
| 5 | 26 | 24.036 | 24.025 | -0.011 |
| 5 | 27 | 23.963 | 23.965 | 0.002 |
| 5 | 28 | 24.074 | 24.068 | -0.006 |
| 5 | 29 | 24.133 | 24.123 | -0.010 |
| 10 | 30 | 24.021 | 24.032 | 0.011 |
| 10 | 31 | 24.024 | 24.026 | 0.002 |
| 10 | 32 | 24.142 | 24.129 | -0.013 |
| 10 | 33 | 24.087 | 24.086 | -0.001 |
| 10 | 34 | 24.073 | 24.063 | -0.010 |
| 15 | 35 | 24.063 | 24.064 | 0.001 |
| 15 | 36 | 24.093 | 24.092 | -0.001 |
| 15 | 37 | 24.067 | 24.062 | -0.005 |
| 15 | 38 | 24.015 | 24.021 | 0.006 |
| 15 | 39 | 24.101 | 24.096 | -0.005 |
| 30 | 40 | 24.086 | 24.085 | -0.001 |
| 30 | 41 | 24.024 | 24.005 | -0.019 |
| 30 | 42 | 24.018 | 24.028 | 0.010 |
| 30 | 43 | 24.111 | 24.113 | 0.002 |
| 30 | 44 | 24.194 | 24.177 | -0.017 |
| 35 | 45 | 24.064 | 24.046 | -0.018 |
| 35 | 46 | 24.031 | 24.029 | -0.002 |
| 35 | 47 | 24.131 | 24.120 | -0.011 |
| 35 | 48 | 24.065 | 24.071 | 0.006 |
| 35 | 49 | 24.046 | 24.069 | 0.023 |
| 50 | 50 | 24.144 | 24.138 | -0.006 |
| 50 | 51 | 24.043 | 24.034 | -0.009 |
| 50 | 52 | 23.980 | 24.008 | 0.028 |
| 50 | 53 | 24.056 | 24.051 | -0.005 |
| 50 | 54 | 24.136 | 24.123 | -0.013 |
| 55 | 55 | 24.086 | 24.069 | -0.017 |
| 55 | 56 | 24.122 | 24.117 | -0.005 |
| 55 | 57 | 24.061 | 24.054 | -0.007 |
| 55 | 58 | 24.066 | 24.070 | 0.004 |
| 55 | 59 | 24.100 | 24.110 | 0.010 |
| 100 | 60 | 24.091 | 24.071 | -0.020 |
| 100 | 61 | 24.073 | 24.047 | -0.026 |
| 100 | 62 | 24.094 | 24.065 | -0.029 |
| 100 | 63 | 24.041 | 24.026 | -0.015 |
| 100 | 64 | 24.088 | 24.081 | -0.007 |
| 105 | 65 | 24.010 | 24.038 | 0.028 |
| 105 | 66 | 24.093 | 24.107 | 0.014 |
| 105 | 67 | 24.080 | 24.061 | -0.019 |
| 105 | 68 | 24.042 | 24.041 | -0.001 |
| 105 | 69 | 24.094 | 24.098 | 0.004 |
| | Max | 24.194 | 24.177 | 0.028 |
| | Average | 24.069 | 24.065 | -0.004 |
| | Min | 23.963 | 23.965 | -0.029 |
| | Std Dev | 0.045 | 0.042 | 0.012 |




| | 6.23_IHYS_SENSE4/SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.007 | 23.977 | 23.965 | 24.026 | 24.021 | 24.005 | 24.029 | 24.008 | 24.054 | 24.026 | 24.038 |
| Average | 24.054 | 24.051 | 24.042 | 24.067 | 24.067 | 24.082 | 24.067 | 24.071 | 24.084 | 24.058 | 24.069 |
| Max | 24.100 | 24.107 | 24.123 | 24.129 | 24.096 | 24.177 | 24.120 | 24.138 | 24.117 | 24.081 | 24.107 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

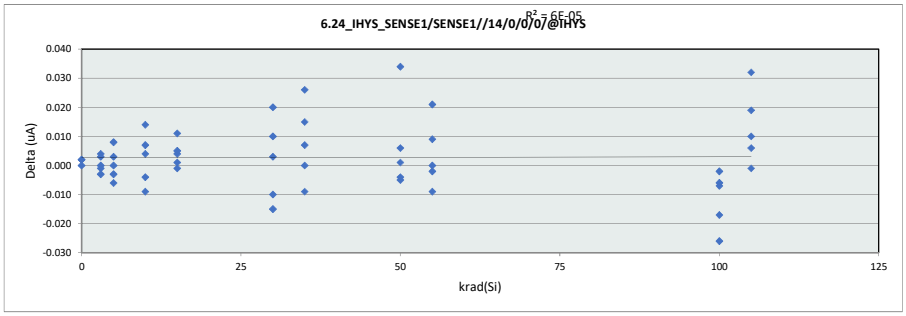


# TID HDR Report
# TPS7H3014-SP

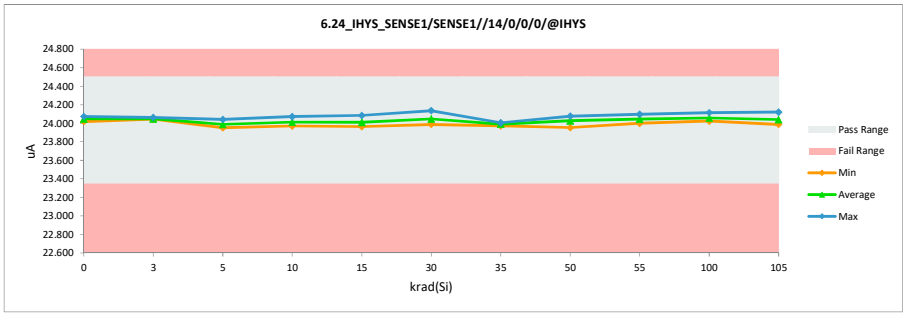
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.24_IHYS_SENSE1/SENSE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.047 | 24.049 | 0.002 |
| 0 | 14 | 24.072 | 24.074 | 0.002 |
| 0 | 15 | 24.018 | 24.018 | 0.000 |
| 3 | 20 | 24.044 | 24.044 | 0.000 |
| 3 | 21 | 24.044 | 24.047 | 0.003 |
| 3 | 22 | 24.049 | 24.048 | -0.001 |
| 3 | 23 | 24.066 | 24.063 | -0.003 |
| 3 | 24 | 24.041 | 24.045 | 0.004 |
| 5 | 25 | 24.038 | 24.041 | 0.003 |
| 5 | 26 | 23.957 | 23.951 | -0.006 |
| 5 | 27 | 23.947 | 23.955 | 0.008 |
| 5 | 28 | 23.968 | 23.968 | 0.000 |
| 5 | 29 | 24.027 | 24.024 | -0.003 |
| 10 | 30 | 23.991 | 24.005 | 0.014 |
| 10 | 31 | 23.992 | 23.999 | 0.007 |
| 10 | 32 | 24.081 | 24.072 | -0.009 |
| 10 | 33 | 24.014 | 24.018 | 0.004 |
| 10 | 34 | 23.975 | 23.971 | -0.004 |
| 15 | 35 | 24.026 | 24.031 | 0.005 |
| 15 | 36 | 24.081 | 24.085 | 0.004 |
| 15 | 37 | 23.966 | 23.965 | -0.001 |
| 15 | 38 | 23.964 | 23.975 | 0.011 |
| 15 | 39 | 23.993 | 23.994 | 0.001 |
| 30 | 40 | 24.016 | 24.019 | 0.003 |
| 30 | 41 | 24.002 | 23.987 | -0.015 |
| 30 | 42 | 24.024 | 24.044 | 0.020 |
| 30 | 43 | 24.040 | 24.050 | 0.010 |
| 30 | 44 | 24.146 | 24.136 | -0.010 |
| 35 | 45 | 24.015 | 24.006 | -0.009 |
| 35 | 46 | 23.966 | 23.973 | 0.007 |
| 35 | 47 | 23.981 | 23.981 | 0.000 |
| 35 | 48 | 23.985 | 24.000 | 0.015 |
| 35 | 49 | 23.969 | 23.995 | 0.026 |
| 50 | 50 | 24.069 | 24.065 | -0.004 |
| 50 | 51 | 23.953 | 23.954 | 0.001 |
| 50 | 52 | 24.044 | 24.078 | 0.034 |
| 50 | 53 | 24.009 | 24.015 | 0.006 |
| 50 | 54 | 24.026 | 24.021 | -0.005 |
| 55 | 55 | 24.044 | 24.035 | -0.009 |
| 55 | 56 | 24.055 | 24.055 | 0.000 |
| 55 | 57 | 24.002 | 24.000 | -0.002 |
| 55 | 58 | 24.025 | 24.034 | 0.009 |
| 55 | 59 | 24.076 | 24.097 | 0.021 |
| 100 | 60 | 24.057 | 24.050 | -0.007 |
| 100 | 61 | 24.132 | 24.115 | -0.017 |
| 100 | 62 | 24.071 | 24.045 | -0.026 |
| 100 | 63 | 24.057 | 24.051 | -0.006 |
| 100 | 64 | 24.026 | 24.024 | -0.002 |
| 105 | 65 | 23.990 | 24.022 | 0.032 |
| 105 | 66 | 24.021 | 24.040 | 0.019 |
| 105 | 67 | 23.988 | 23.987 | -0.001 |
| 105 | 68 | 24.114 | 24.120 | 0.006 |
| 105 | 69 | 24.016 | 24.026 | 0.010 |
| | Max | 24.146 | 24.136 | 0.034 |
| | Average | 24.025 | 24.028 | 0.003 |
| | Min | 23.947 | 23.951 | -0.026 |
| | Std Dev | 0.045 | 0.043 | 0.011 |




| | 6.24_IHYS_SENSE1/SENSE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.018 | 24.044 | 23.951 | 23.971 | 23.965 | 23.987 | 23.973 | 23.954 | 24.000 | 24.024 | 23.987 |
| Average | 24.047 | 24.049 | 23.988 | 24.013 | 24.010 | 24.047 | 23.991 | 24.027 | 24.044 | 24.057 | 24.039 |
| Max | 24.074 | 24.063 | 24.041 | 24.072 | 24.085 | 24.136 | 24.006 | 24.078 | 24.097 | 24.115 | 24.120 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

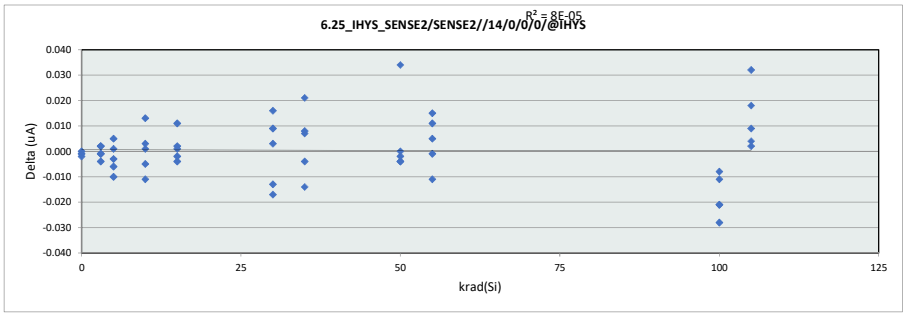


# TID HDR Report
# TPS7H3014-SP

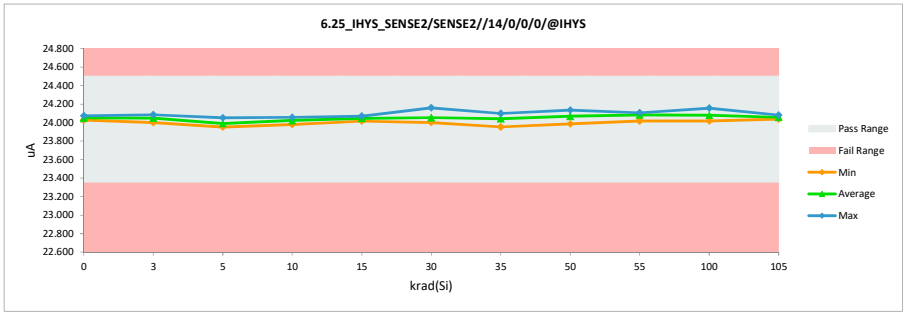
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.25_IHYS_SENSE2/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.047 | 24.047 | 0.000 |
| 0 | 14 | 24.075 | 24.074 | -0.001 |
| 0 | 15 | 24.030 | 24.028 | -0.002 |
| 3 | 20 | 24.085 | 24.084 | -0.001 |
| 3 | 21 | 24.022 | 24.024 | 0.002 |
| 3 | 22 | 24.001 | 24.000 | -0.001 |
| 3 | 23 | 24.056 | 24.052 | -0.004 |
| 3 | 24 | 24.078 | 24.080 | 0.002 |
| 5 | 25 | 24.050 | 24.051 | 0.001 |
| 5 | 26 | 23.961 | 23.951 | -0.010 |
| 5 | 27 | 23.946 | 23.951 | 0.005 |
| 5 | 28 | 24.014 | 24.011 | -0.003 |
| 5 | 29 | 23.986 | 23.980 | -0.006 |
| 10 | 30 | 23.965 | 23.978 | 0.013 |
| 10 | 31 | 24.025 | 24.028 | 0.003 |
| 10 | 32 | 24.068 | 24.057 | -0.011 |
| 10 | 33 | 24.039 | 24.040 | 0.001 |
| 10 | 34 | 24.013 | 24.008 | -0.005 |
| 15 | 35 | 24.068 | 24.069 | 0.001 |
| 15 | 36 | 24.059 | 24.061 | 0.002 |
| 15 | 37 | 24.051 | 24.047 | -0.004 |
| 15 | 38 | 24.015 | 24.026 | 0.011 |
| 15 | 39 | 24.018 | 24.016 | -0.002 |
| 30 | 40 | 24.054 | 24.057 | 0.003 |
| 30 | 41 | 24.024 | 24.007 | -0.017 |
| 30 | 42 | 23.983 | 23.999 | 0.016 |
| 30 | 43 | 24.033 | 24.042 | 0.009 |
| 30 | 44 | 24.173 | 24.160 | -0.013 |
| 35 | 45 | 24.025 | 24.011 | -0.014 |
| 35 | 46 | 24.047 | 24.055 | 0.008 |
| 35 | 47 | 24.091 | 24.087 | -0.004 |
| 35 | 48 | 24.091 | 24.098 | 0.007 |
| 35 | 49 | 23.931 | 23.952 | 0.021 |
| 50 | 50 | 24.085 | 24.081 | -0.004 |
| 50 | 51 | 23.987 | 23.985 | -0.002 |
| 50 | 52 | 24.074 | 24.108 | 0.034 |
| 50 | 53 | 24.135 | 24.135 | 0.000 |
| 50 | 54 | 24.036 | 24.032 | -0.004 |
| 55 | 55 | 24.028 | 24.017 | -0.011 |
| 55 | 56 | 24.098 | 24.103 | 0.005 |
| 55 | 57 | 24.106 | 24.105 | -0.001 |
| 55 | 58 | 24.081 | 24.092 | 0.011 |
| 55 | 59 | 24.082 | 24.097 | 0.015 |
| 100 | 60 | 24.059 | 24.038 | -0.021 |
| 100 | 61 | 24.184 | 24.156 | -0.028 |
| 100 | 62 | 24.146 | 24.125 | -0.021 |
| 100 | 63 | 24.069 | 24.058 | -0.011 |
| 100 | 64 | 24.026 | 24.018 | -0.008 |
| 105 | 65 | 24.011 | 24.043 | 0.032 |
| 105 | 66 | 24.052 | 24.070 | 0.018 |
| 105 | 67 | 24.028 | 24.037 | 0.009 |
| 105 | 68 | 24.076 | 24.080 | 0.004 |
| 105 | 69 | 24.052 | 24.054 | 0.002 |
| | Max | 24.184 | 24.160 | 0.034 |
| | Average | 24.048 | 24.048 | 0.000 |
| | Min | 23.931 | 23.951 | -0.028 |
| | Std Dev | 0.051 | 0.048 | 0.012 |




| | 6.25_IHYS_SENSE2/SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.028 | 24.000 | 23.951 | 23.978 | 24.016 | 23.999 | 23.952 | 23.985 | 24.017 | 24.018 | 24.037 |
| Average | 24.050 | 24.048 | 23.989 | 24.022 | 24.044 | 24.053 | 24.041 | 24.068 | 24.083 | 24.079 | 24.057 |
| Max | 24.074 | 24.084 | 24.051 | 24.057 | 24.069 | 24.160 | 24.098 | 24.135 | 24.105 | 24.156 | 24.080 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

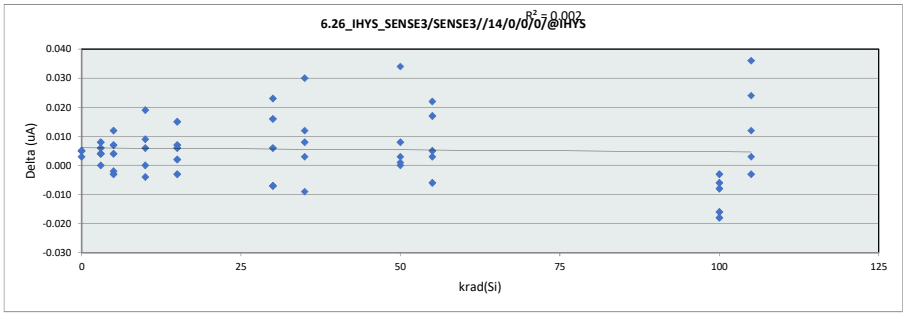


# TID HDR Report
# TPS7H3014-SP

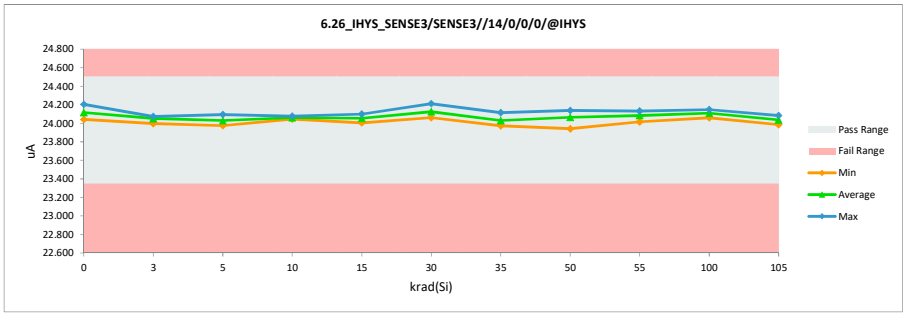
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.26_IHYS_SENSE3/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.096 | 24.101 | 0.005 |
| 0 | 14 | 24.200 | 24.205 | 0.005 |
| 0 | 15 | 24.038 | 24.041 | 0.003 |
| 3 | 20 | 24.061 | 24.065 | 0.004 |
| 3 | 21 | 24.062 | 24.070 | 0.008 |
| 3 | 22 | 23.992 | 23.996 | 0.004 |
| 3 | 23 | 24.053 | 24.053 | 0.000 |
| 3 | 24 | 24.067 | 24.073 | 0.006 |
| 5 | 25 | 24.068 | 24.075 | 0.007 |
| 5 | 26 | 24.098 | 24.095 | -0.003 |
| 5 | 27 | 23.963 | 23.975 | 0.012 |
| 5 | 28 | 24.019 | 24.023 | 0.004 |
| 5 | 29 | 23.986 | 23.984 | -0.002 |
| 10 | 30 | 24.040 | 24.059 | 0.019 |
| 10 | 31 | 24.068 | 24.077 | 0.009 |
| 10 | 32 | 24.078 | 24.074 | -0.004 |
| 10 | 33 | 24.041 | 24.047 | 0.006 |
| 10 | 34 | 24.047 | 24.047 | 0.000 |
| 15 | 35 | 24.041 | 24.048 | 0.007 |
| 15 | 36 | 24.093 | 24.099 | 0.006 |
| 15 | 37 | 24.007 | 24.004 | -0.003 |
| 15 | 38 | 24.034 | 24.049 | 0.015 |
| 15 | 39 | 24.065 | 24.067 | 0.002 |
| 30 | 40 | 24.055 | 24.061 | 0.006 |
| 30 | 41 | 24.120 | 24.113 | -0.007 |
| 30 | 42 | 24.066 | 24.089 | 0.023 |
| 30 | 43 | 24.135 | 24.151 | 0.016 |
| 30 | 44 | 24.219 | 24.212 | -0.007 |
| 35 | 45 | 24.040 | 24.031 | -0.009 |
| 35 | 46 | 23.983 | 23.991 | 0.008 |
| 35 | 47 | 24.112 | 24.115 | 0.003 |
| 35 | 48 | 24.028 | 24.040 | 0.012 |
| 35 | 49 | 23.942 | 23.972 | 0.030 |
| 50 | 50 | 24.086 | 24.087 | 0.001 |
| 50 | 51 | 23.938 | 23.941 | 0.003 |
| 50 | 52 | 24.037 | 24.071 | 0.034 |
| 50 | 53 | 24.079 | 24.087 | 0.008 |
| 50 | 54 | 24.138 | 24.138 | 0.000 |
| 55 | 55 | 24.138 | 24.132 | -0.006 |
| 55 | 56 | 24.043 | 24.046 | 0.003 |
| 55 | 57 | 24.011 | 24.016 | 0.005 |
| 55 | 58 | 24.102 | 24.119 | 0.017 |
| 55 | 59 | 24.088 | 24.110 | 0.022 |
| 100 | 60 | 24.118 | 24.110 | -0.008 |
| 100 | 61 | 24.164 | 24.146 | -0.018 |
| 100 | 62 | 24.140 | 24.124 | -0.016 |
| 100 | 63 | 24.064 | 24.058 | -0.006 |
| 100 | 64 | 24.107 | 24.104 | -0.003 |
| 105 | 65 | 23.949 | 23.985 | 0.036 |
| 105 | 66 | 24.060 | 24.084 | 0.024 |
| 105 | 67 | 23.990 | 23.987 | -0.003 |
| 105 | 68 | 24.045 | 24.048 | 0.003 |
| 105 | 69 | 24.070 | 24.082 | 0.012 |
| | Max | 24.219 | 24.212 | 0.036 |
| | Average | 24.062 | 24.067 | 0.006 |
| | Min | 23.938 | 23.941 | -0.018 |
| | Std Dev | 0.059 | 0.056 | 0.011 |




| | 6.26_IHYS_SENSE3/SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.041 | 23.996 | 23.975 | 24.047 | 24.004 | 24.061 | 23.972 | 23.941 | 24.016 | 24.058 | 23.985 |
| Average | 24.116 | 24.051 | 24.030 | 24.061 | 24.053 | 24.125 | 24.030 | 24.065 | 24.085 | 24.108 | 24.037 |
| Max | 24.205 | 24.073 | 24.095 | 24.077 | 24.099 | 24.212 | 24.115 | 24.138 | 24.132 | 24.146 | 24.084 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

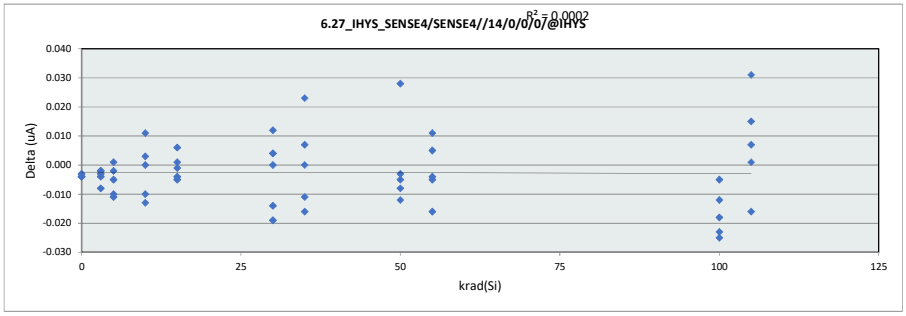


# TID HDR Report
# TPS7H3014-SP

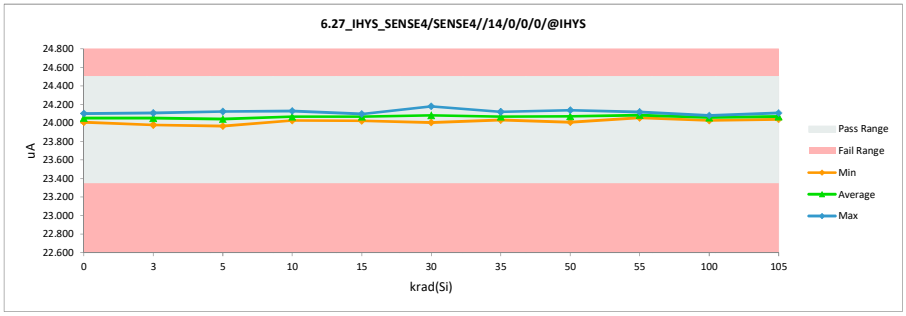
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.27_IHYS_SENSE4/SENSI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 24.72 | 24.5 |
| Min Limit | 23.28 | 23.35 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.057 | 24.054 | -0.003 |
| 0 | 14 | 24.105 | 24.101 | -0.004 |
| 0 | 15 | 24.011 | 24.007 | -0.004 |
| 3 | 20 | 24.075 | 24.072 | -0.003 |
| 3 | 21 | 24.067 | 24.065 | -0.002 |
| 3 | 22 | 23.982 | 23.978 | -0.004 |
| 3 | 23 | 24.044 | 24.036 | -0.008 |
| 3 | 24 | 24.109 | 24.107 | -0.002 |
| 5 | 25 | 24.034 | 24.032 | -0.002 |
| 5 | 26 | 24.036 | 24.025 | -0.011 |
| 5 | 27 | 23.964 | 23.965 | 0.001 |
| 5 | 28 | 24.073 | 24.068 | -0.005 |
| 5 | 29 | 24.133 | 24.123 | -0.010 |
| 10 | 30 | 24.021 | 24.032 | 0.011 |
| 10 | 31 | 24.024 | 24.027 | 0.003 |
| 10 | 32 | 24.142 | 24.129 | -0.013 |
| 10 | 33 | 24.086 | 24.086 | 0.000 |
| 10 | 34 | 24.074 | 24.064 | -0.010 |
| 15 | 35 | 24.063 | 24.064 | 0.001 |
| 15 | 36 | 24.093 | 24.092 | -0.001 |
| 15 | 37 | 24.067 | 24.063 | -0.004 |
| 15 | 38 | 24.016 | 24.022 | 0.006 |
| 15 | 39 | 24.101 | 24.096 | -0.005 |
| 30 | 40 | 24.086 | 24.086 | 0.000 |
| 30 | 41 | 24.024 | 24.005 | -0.019 |
| 30 | 42 | 24.016 | 24.028 | 0.012 |
| 30 | 43 | 24.109 | 24.113 | 0.004 |
| 30 | 44 | 24.193 | 24.179 | -0.014 |
| 35 | 45 | 24.063 | 24.047 | -0.016 |
| 35 | 46 | 24.031 | 24.031 | 0.000 |
| 35 | 47 | 24.130 | 24.119 | -0.011 |
| 35 | 48 | 24.064 | 24.071 | 0.007 |
| 35 | 49 | 24.046 | 24.069 | 0.023 |
| 50 | 50 | 24.143 | 24.138 | -0.005 |
| 50 | 51 | 24.042 | 24.034 | -0.008 |
| 50 | 52 | 23.980 | 24.008 | 0.028 |
| 50 | 53 | 24.055 | 24.052 | -0.003 |
| 50 | 54 | 24.135 | 24.123 | -0.012 |
| 55 | 55 | 24.085 | 24.069 | -0.016 |
| 55 | 56 | 24.121 | 24.117 | -0.004 |
| 55 | 57 | 24.060 | 24.055 | -0.005 |
| 55 | 58 | 24.065 | 24.070 | 0.005 |
| 55 | 59 | 24.099 | 24.110 | 0.011 |
| 100 | 60 | 24.089 | 24.071 | -0.018 |
| 100 | 61 | 24.069 | 24.046 | -0.023 |
| 100 | 62 | 24.090 | 24.065 | -0.025 |
| 100 | 63 | 24.038 | 24.026 | -0.012 |
| 100 | 64 | 24.085 | 24.080 | -0.005 |
| 105 | 65 | 24.008 | 24.039 | 0.031 |
| 105 | 66 | 24.092 | 24.107 | 0.015 |
| 105 | 67 | 24.078 | 24.062 | -0.016 |
| 105 | 68 | 24.040 | 24.041 | 0.001 |
| 105 | 69 | 24.092 | 24.099 | 0.007 |
| | Max | 24.193 | 24.179 | 0.031 |
| | Average | 24.068 | 24.065 | -0.003 |
| | Min | 23.964 | 23.965 | -0.025 |
| | Std Dev | 0.045 | 0.042 | 0.011 |




| | 6.27_IHYS_SENSE4/SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24.5 | uA | | | | | | | | | |
| Min Limit | 23.35 | uA | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 | 23.350 |
| Min | 24.007 | 23.978 | 23.965 | 24.027 | 24.022 | 24.005 | 24.031 | 24.008 | 24.055 | 24.026 | 24.039 |
| Average | 24.054 | 24.052 | 24.043 | 24.068 | 24.067 | 24.082 | 24.067 | 24.071 | 24.084 | 24.058 | 24.070 |
| Max | 24.101 | 24.107 | 24.123 | 24.129 | 24.096 | 24.179 | 24.119 | 24.138 | 24.117 | 24.080 | 24.107 |
| UL | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 | 24.500 |

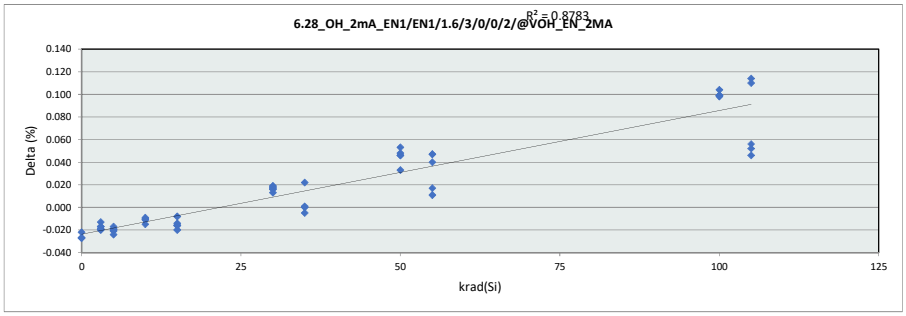


# TID HDR Report
# TPS7H3014-SP

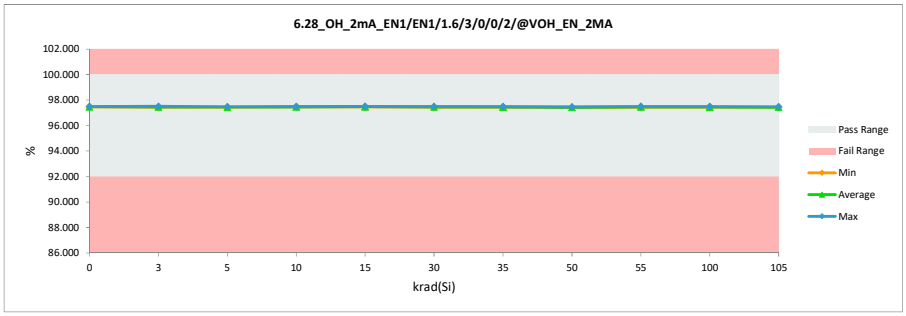
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.28_OH_2mA_EN1/EN1/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.530 | 97.508 | -0.022 |
| 0 | 14 | 97.486 | 97.459 | -0.027 |
| 0 | 15 | 97.489 | 97.462 | -0.027 |
| 3 | 20 | 97.489 | 97.476 | -0.013 |
| 3 | 21 | 97.530 | 97.513 | -0.017 |
| 3 | 22 | 97.463 | 97.444 | -0.019 |
| 3 | 23 | 97.443 | 97.426 | -0.017 |
| 3 | 24 | 97.491 | 97.471 | -0.020 |
| 5 | 25 | 97.463 | 97.444 | -0.019 |
| 5 | 26 | 97.454 | 97.437 | -0.017 |
| 5 | 27 | 97.503 | 97.483 | -0.020 |
| 5 | 28 | 97.489 | 97.468 | -0.021 |
| 5 | 29 | 97.468 | 97.444 | -0.024 |
| 10 | 30 | 97.460 | 97.450 | -0.010 |
| 10 | 31 | 97.494 | 97.483 | -0.011 |
| 10 | 32 | 97.504 | 97.495 | -0.009 |
| 10 | 33 | 97.462 | 97.451 | -0.011 |
| 10 | 34 | 97.500 | 97.485 | -0.015 |
| 15 | 35 | 97.482 | 97.468 | -0.014 |
| 15 | 36 | 97.510 | 97.502 | -0.008 |
| 15 | 37 | 97.486 | 97.466 | -0.020 |
| 15 | 38 | 97.515 | 97.499 | -0.016 |
| 15 | 39 | 97.497 | 97.481 | -0.016 |
| 30 | 40 | 97.491 | 97.504 | 0.013 |
| 30 | 41 | 97.414 | 97.433 | 0.019 |
| 30 | 42 | 97.451 | 97.468 | 0.017 |
| 30 | 43 | 97.482 | 97.498 | 0.016 |
| 30 | 44 | 97.414 | 97.432 | 0.018 |
| 35 | 45 | 97.455 | 97.450 | -0.005 |
| 35 | 46 | 97.416 | 97.438 | 0.022 |
| 35 | 47 | 97.497 | 97.498 | 0.001 |
| 35 | 48 | 97.426 | 97.426 | 0.000 |
| 35 | 49 | 97.459 | 97.459 | 0.000 |
| 50 | 50 | 97.387 | 97.440 | 0.053 |
| 50 | 51 | 97.394 | 97.442 | 0.048 |
| 50 | 52 | 97.420 | 97.466 | 0.046 |
| 50 | 53 | 97.372 | 97.418 | 0.046 |
| 50 | 54 | 97.440 | 97.473 | 0.033 |
| 55 | 55 | 97.381 | 97.428 | 0.047 |
| 55 | 56 | 97.450 | 97.497 | 0.047 |
| 55 | 57 | 97.416 | 97.456 | 0.040 |
| 55 | 58 | 97.412 | 97.429 | 0.017 |
| 55 | 59 | 97.490 | 97.501 | 0.011 |
| 100 | 60 | 97.360 | 97.459 | 0.099 |
| 100 | 61 | 97.328 | 97.427 | 0.099 |
| 100 | 62 | 97.349 | 97.453 | 0.104 |
| 100 | 63 | 97.400 | 97.498 | 0.098 |
| 100 | 64 | 97.367 | 97.466 | 0.099 |
| 105 | 65 | 97.428 | 97.480 | 0.052 |
| 105 | 66 | 97.419 | 97.465 | 0.046 |
| 105 | 67 | 97.314 | 97.428 | 0.114 |
| 105 | 68 | 97.314 | 97.424 | 0.110 |
| 105 | 69 | 97.376 | 97.432 | 0.056 |
| | Max | 97.530 | 97.513 | 0.114 |
| | Average | 97.444 | 97.462 | 0.018 |
| | Min | 97.314 | 97.418 | -0.027 |
| | Std Dev | 0.056 | 0.027 | 0.042 |




| | 6.28_OH_2mA_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.459 | 97.426 | 97.437 | 97.450 | 97.466 | 97.432 | 97.426 | 97.418 | 97.428 | 97.427 | 97.424 |
| Average | 97.476 | 97.466 | 97.455 | 97.473 | 97.483 | 97.467 | 97.454 | 97.448 | 97.462 | 97.461 | 97.446 |
| Max | 97.508 | 97.513 | 97.483 | 97.495 | 97.502 | 97.504 | 97.498 | 97.473 | 97.501 | 97.498 | 97.480 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

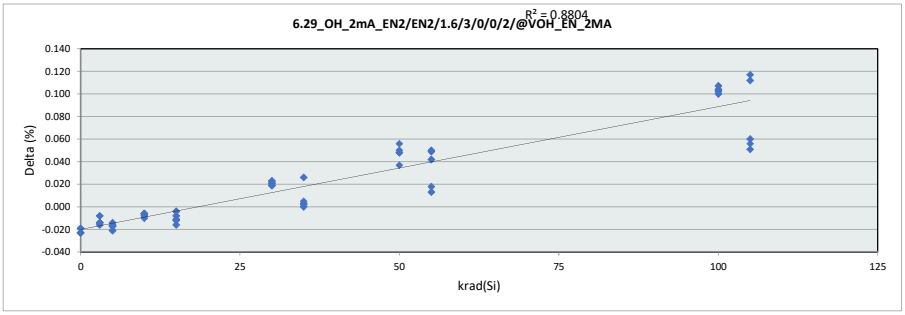


# TID HDR Report
# TPS7H3014-SP

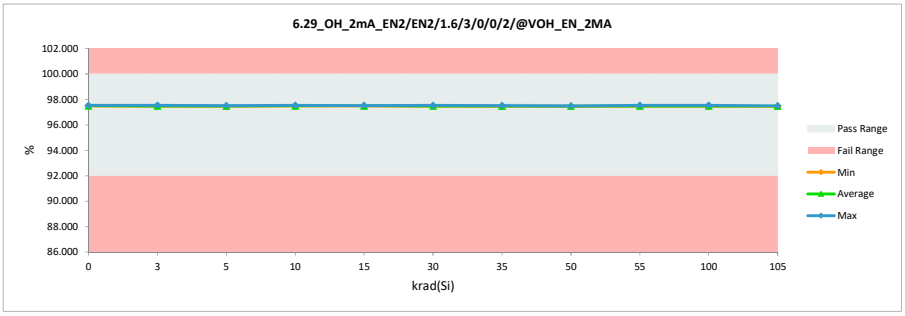
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.29_OH_2mA_EN2/EN2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.549 | 97.530 | -0.019 |
| 0 | 14 | 97.504 | 97.481 | -0.023 |
| 0 | 15 | 97.518 | 97.495 | -0.023 |
| 3 | 20 | 97.492 | 97.484 | -0.008 |
| 3 | 21 | 97.554 | 97.540 | -0.014 |
| 3 | 22 | 97.490 | 97.476 | -0.014 |
| 3 | 23 | 97.470 | 97.456 | -0.014 |
| 3 | 24 | 97.503 | 97.487 | -0.016 |
| 5 | 25 | 97.478 | 97.462 | -0.016 |
| 5 | 26 | 97.472 | 97.458 | -0.014 |
| 5 | 27 | 97.530 | 97.513 | -0.017 |
| 5 | 28 | 97.523 | 97.506 | -0.017 |
| 5 | 29 | 97.481 | 97.460 | -0.021 |
| 10 | 30 | 97.480 | 97.474 | -0.006 |
| 10 | 31 | 97.516 | 97.508 | -0.008 |
| 10 | 32 | 97.534 | 97.528 | -0.006 |
| 10 | 33 | 97.504 | 97.497 | -0.007 |
| 10 | 34 | 97.521 | 97.511 | -0.010 |
| 15 | 35 | 97.502 | 97.494 | -0.008 |
| 15 | 36 | 97.519 | 97.515 | -0.004 |
| 15 | 37 | 97.493 | 97.477 | -0.016 |
| 15 | 38 | 97.531 | 97.520 | -0.011 |
| 15 | 39 | 97.528 | 97.516 | -0.012 |
| 30 | 40 | 97.512 | 97.531 | 0.019 |
| 30 | 41 | 97.445 | 97.468 | 0.023 |
| 30 | 42 | 97.477 | 97.498 | 0.021 |
| 30 | 43 | 97.498 | 97.517 | 0.019 |
| 30 | 44 | 97.443 | 97.464 | 0.021 |
| 35 | 45 | 97.473 | 97.473 | 0.000 |
| 35 | 46 | 97.440 | 97.466 | 0.026 |
| 35 | 47 | 97.517 | 97.522 | 0.005 |
| 35 | 48 | 97.467 | 97.470 | 0.003 |
| 35 | 49 | 97.472 | 97.474 | 0.002 |
| 50 | 50 | 97.407 | 97.463 | 0.056 |
| 50 | 51 | 97.414 | 97.464 | 0.050 |
| 50 | 52 | 97.436 | 97.484 | 0.048 |
| 50 | 53 | 97.420 | 97.468 | 0.048 |
| 50 | 54 | 97.459 | 97.496 | 0.037 |
| 55 | 55 | 97.414 | 97.463 | 0.049 |
| 55 | 56 | 97.468 | 97.518 | 0.050 |
| 55 | 57 | 97.444 | 97.486 | 0.042 |
| 55 | 58 | 97.438 | 97.456 | 0.018 |
| 55 | 59 | 97.512 | 97.525 | 0.013 |
| 100 | 60 | 97.391 | 97.493 | 0.102 |
| 100 | 61 | 97.344 | 97.448 | 0.104 |
| 100 | 62 | 97.364 | 97.471 | 0.107 |
| 100 | 63 | 97.422 | 97.525 | 0.103 |
| 100 | 64 | 97.393 | 97.493 | 0.100 |
| 105 | 65 | 97.448 | 97.504 | 0.056 |
| 105 | 66 | 97.451 | 97.502 | 0.051 |
| 105 | 67 | 97.340 | 97.457 | 0.117 |
| 105 | 68 | 97.349 | 97.461 | 0.112 |
| 105 | 69 | 97.388 | 97.448 | 0.060 |
| | Max | 97.554 | 97.540 | 0.117 |
| | Average | 97.467 | 97.489 | 0.022 |
| | Min | 97.340 | 97.448 | -0.023 |
| | Std Dev | 0.054 | 0.025 | 0.042 |




| | 6.29_OH_2mA_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.481 | 97.456 | 97.458 | 97.474 | 97.477 | 97.464 | 97.466 | 97.463 | 97.456 | 97.448 | 97.448 |
| Average | 97.502 | 97.489 | 97.480 | 97.504 | 97.504 | 97.496 | 97.481 | 97.475 | 97.490 | 97.486 | 97.474 |
| Max | 97.530 | 97.540 | 97.513 | 97.528 | 97.520 | 97.531 | 97.522 | 97.496 | 97.525 | 97.525 | 97.504 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

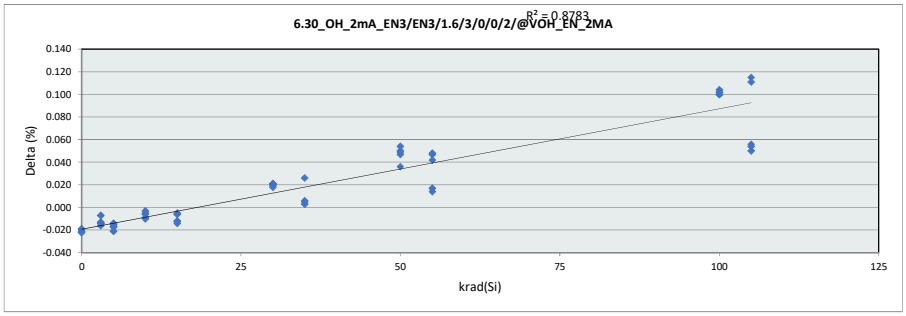


# TID HDR Report
# TPS7H3014-SP

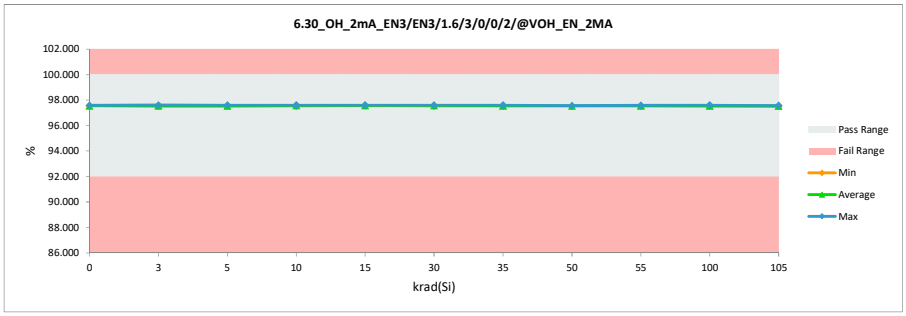
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.30_OH_2mA_EN3/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.608 | 97.589 | -0.019 |
| 0 | 14 | 97.573 | 97.551 | -0.022 |
| 0 | 15 | 97.587 | 97.566 | -0.021 |
| 3 | 20 | 97.576 | 97.569 | -0.007 |
| 3 | 21 | 97.629 | 97.616 | -0.013 |
| 3 | 22 | 97.571 | 97.557 | -0.014 |
| 3 | 23 | 97.538 | 97.522 | -0.016 |
| 3 | 24 | 97.580 | 97.566 | -0.014 |
| 5 | 25 | 97.545 | 97.528 | -0.017 |
| 5 | 26 | 97.536 | 97.522 | -0.014 |
| 5 | 27 | 97.600 | 97.583 | -0.017 |
| 5 | 28 | 97.616 | 97.601 | -0.015 |
| 5 | 29 | 97.558 | 97.537 | -0.021 |
| 10 | 30 | 97.540 | 97.534 | -0.006 |
| 10 | 31 | 97.603 | 97.594 | -0.009 |
| 10 | 32 | 97.612 | 97.609 | -0.003 |
| 10 | 33 | 97.582 | 97.577 | -0.005 |
| 10 | 34 | 97.600 | 97.590 | -0.010 |
| 15 | 35 | 97.569 | 97.563 | -0.006 |
| 15 | 36 | 97.580 | 97.575 | -0.005 |
| 15 | 37 | 97.563 | 97.549 | -0.014 |
| 15 | 38 | 97.615 | 97.603 | -0.012 |
| 15 | 39 | 97.612 | 97.600 | -0.012 |
| 30 | 40 | 97.595 | 97.613 | 0.018 |
| 30 | 41 | 97.535 | 97.555 | 0.020 |
| 30 | 42 | 97.568 | 97.589 | 0.021 |
| 30 | 43 | 97.586 | 97.606 | 0.020 |
| 30 | 44 | 97.507 | 97.528 | 0.021 |
| 35 | 45 | 97.552 | 97.555 | 0.003 |
| 35 | 46 | 97.513 | 97.539 | 0.026 |
| 35 | 47 | 97.595 | 97.601 | 0.006 |
| 35 | 48 | 97.550 | 97.555 | 0.005 |
| 35 | 49 | 97.538 | 97.541 | 0.003 |
| 50 | 50 | 97.470 | 97.524 | 0.054 |
| 50 | 51 | 97.492 | 97.542 | 0.050 |
| 50 | 52 | 97.508 | 97.557 | 0.049 |
| 50 | 53 | 97.509 | 97.556 | 0.047 |
| 50 | 54 | 97.532 | 97.568 | 0.036 |
| 55 | 55 | 97.492 | 97.540 | 0.048 |
| 55 | 56 | 97.539 | 97.586 | 0.047 |
| 55 | 57 | 97.525 | 97.567 | 0.042 |
| 55 | 58 | 97.509 | 97.526 | 0.017 |
| 55 | 59 | 97.584 | 97.598 | 0.014 |
| 100 | 60 | 97.463 | 97.565 | 0.102 |
| 100 | 61 | 97.413 | 97.515 | 0.102 |
| 100 | 62 | 97.444 | 97.548 | 0.104 |
| 100 | 63 | 97.502 | 97.602 | 0.100 |
| 100 | 64 | 97.466 | 97.566 | 0.100 |
| 105 | 65 | 97.524 | 97.578 | 0.054 |
| 105 | 66 | 97.524 | 97.574 | 0.050 |
| 105 | 67 | 97.407 | 97.522 | 0.115 |
| 105 | 68 | 97.416 | 97.527 | 0.111 |
| 105 | 69 | 97.463 | 97.519 | 0.056 |
| | Max | 97.629 | 97.616 | 0.115 |
| | Average | 97.542 | 97.563 | 0.022 |
| | Min | 97.407 | 97.515 | -0.022 |
| | Std Dev | 0.056 | 0.029 | 0.041 |




| | 6.30_OH_2mA_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.551 | 97.522 | 97.522 | 97.534 | 97.549 | 97.528 | 97.539 | 97.524 | 97.526 | 97.515 | 97.519 |
| Average | 97.569 | 97.566 | 97.554 | 97.581 | 97.578 | 97.578 | 97.558 | 97.549 | 97.563 | 97.559 | 97.544 |
| Max | 97.589 | 97.616 | 97.601 | 97.609 | 97.603 | 97.613 | 97.601 | 97.568 | 97.598 | 97.602 | 97.578 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

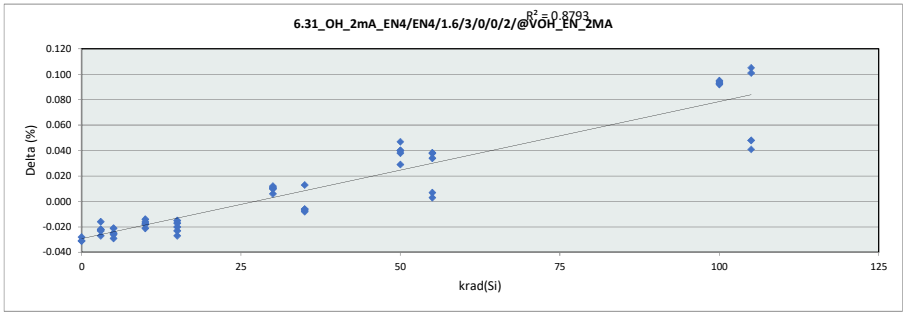


# TID HDR Report
# TPS7H3014-SP

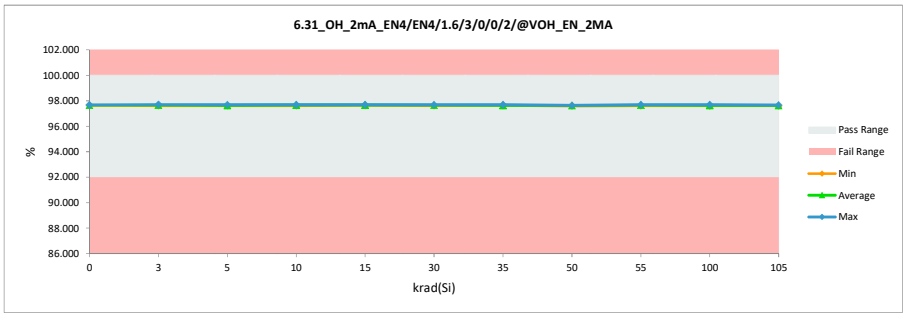
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.31_OH_2mA_EN4/EN4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.706 | 97.678 | -0.028 |
| 0 | 14 | 97.677 | 97.646 | -0.031 |
| 0 | 15 | 97.681 | 97.650 | -0.031 |
| 3 | 20 | 97.678 | 97.662 | -0.016 |
| 3 | 21 | 97.731 | 97.704 | -0.027 |
| 3 | 22 | 97.675 | 97.653 | -0.022 |
| 3 | 23 | 97.635 | 97.613 | -0.022 |
| 3 | 24 | 97.687 | 97.664 | -0.023 |
| 5 | 25 | 97.638 | 97.613 | -0.025 |
| 5 | 26 | 97.634 | 97.613 | -0.021 |
| 5 | 27 | 97.702 | 97.677 | -0.025 |
| 5 | 28 | 97.717 | 97.691 | -0.026 |
| 5 | 29 | 97.647 | 97.618 | -0.029 |
| 10 | 30 | 97.635 | 97.621 | -0.014 |
| 10 | 31 | 97.705 | 97.687 | -0.018 |
| 10 | 32 | 97.716 | 97.699 | -0.017 |
| 10 | 33 | 97.679 | 97.663 | -0.016 |
| 10 | 34 | 97.707 | 97.686 | -0.021 |
| 15 | 35 | 97.669 | 97.652 | -0.017 |
| 15 | 36 | 97.675 | 97.660 | -0.015 |
| 15 | 37 | 97.657 | 97.630 | -0.027 |
| 15 | 38 | 97.714 | 97.694 | -0.020 |
| 15 | 39 | 97.712 | 97.689 | -0.023 |
| 30 | 40 | 97.691 | 97.697 | 0.006 |
| 30 | 41 | 97.628 | 97.638 | 0.010 |
| 30 | 42 | 97.663 | 97.674 | 0.011 |
| 30 | 43 | 97.682 | 97.694 | 0.012 |
| 30 | 44 | 97.606 | 97.616 | 0.010 |
| 35 | 45 | 97.653 | 97.646 | -0.007 |
| 35 | 46 | 97.616 | 97.629 | 0.013 |
| 35 | 47 | 97.697 | 97.691 | -0.006 |
| 35 | 48 | 97.652 | 97.646 | -0.006 |
| 35 | 49 | 97.639 | 97.631 | -0.008 |
| 50 | 50 | 97.554 | 97.601 | 0.047 |
| 50 | 51 | 97.591 | 97.631 | 0.040 |
| 50 | 52 | 97.608 | 97.648 | 0.040 |
| 50 | 53 | 97.603 | 97.641 | 0.038 |
| 50 | 54 | 97.619 | 97.648 | 0.029 |
| 55 | 55 | 97.587 | 97.625 | 0.038 |
| 55 | 56 | 97.639 | 97.677 | 0.038 |
| 55 | 57 | 97.623 | 97.657 | 0.034 |
| 55 | 58 | 97.606 | 97.613 | 0.007 |
| 55 | 59 | 97.690 | 97.693 | 0.003 |
| 100 | 60 | 97.560 | 97.653 | 0.093 |
| 100 | 61 | 97.507 | 97.602 | 0.095 |
| 100 | 62 | 97.546 | 97.640 | 0.094 |
| 100 | 63 | 97.600 | 97.692 | 0.092 |
| 100 | 64 | 97.564 | 97.657 | 0.093 |
| 105 | 65 | 97.617 | 97.665 | 0.048 |
| 105 | 66 | 97.625 | 97.666 | 0.041 |
| 105 | 67 | 97.507 | 97.612 | 0.105 |
| 105 | 68 | 97.524 | 97.625 | 0.101 |
| 105 | 69 | 97.557 | 97.605 | 0.048 |
| | Max | 97.731 | 97.704 | 0.105 |
| | Average | 97.640 | 97.652 | 0.012 |
| | Min | 97.507 | 97.601 | -0.031 |
| | Std Dev | 0.057 | 0.030 | 0.041 |




| | 6.31_OH_2mA_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.646 | 97.613 | 97.613 | 97.621 | 97.630 | 97.616 | 97.629 | 97.601 | 97.613 | 97.602 | 97.605 |
| Average | 97.658 | 97.659 | 97.642 | 97.671 | 97.665 | 97.664 | 97.649 | 97.634 | 97.653 | 97.649 | 97.635 |
| Max | 97.678 | 97.704 | 97.691 | 97.699 | 97.694 | 97.697 | 97.691 | 97.648 | 97.693 | 97.692 | 97.666 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

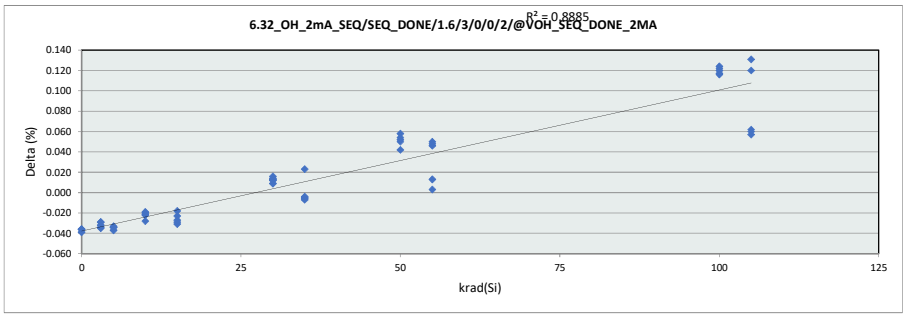


# TID HDR Report
# TPS7H3014-SP

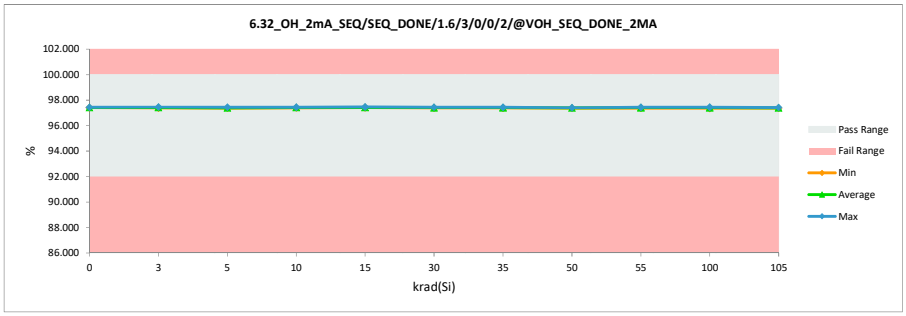
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.32_OH_2mA_SEQ/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.472 | 97.436 | -0.036 |
| 0 | 14 | 97.442 | 97.406 | -0.036 |
| 0 | 15 | 97.447 | 97.408 | -0.039 |
| 3 | 20 | 97.451 | 97.422 | -0.029 |
| 3 | 21 | 97.486 | 97.457 | -0.029 |
| 3 | 22 | 97.435 | 97.403 | -0.032 |
| 3 | 23 | 97.418 | 97.383 | -0.035 |
| 3 | 24 | 97.442 | 97.408 | -0.034 |
| 5 | 25 | 97.398 | 97.364 | -0.034 |
| 5 | 26 | 97.397 | 97.364 | -0.033 |
| 5 | 27 | 97.453 | 97.419 | -0.034 |
| 5 | 28 | 97.476 | 97.442 | -0.034 |
| 5 | 29 | 97.422 | 97.385 | -0.037 |
| 10 | 30 | 97.412 | 97.390 | -0.022 |
| 10 | 31 | 97.448 | 97.429 | -0.019 |
| 10 | 32 | 97.465 | 97.445 | -0.020 |
| 10 | 33 | 97.431 | 97.409 | -0.022 |
| 10 | 34 | 97.458 | 97.430 | -0.028 |
| 15 | 35 | 97.432 | 97.409 | -0.023 |
| 15 | 36 | 97.440 | 97.422 | -0.018 |
| 15 | 37 | 97.432 | 97.401 | -0.031 |
| 15 | 38 | 97.482 | 97.453 | -0.029 |
| 15 | 39 | 97.460 | 97.433 | -0.027 |
| 30 | 40 | 97.435 | 97.444 | 0.009 |
| 30 | 41 | 97.361 | 97.375 | 0.014 |
| 30 | 42 | 97.408 | 97.420 | 0.012 |
| 30 | 43 | 97.416 | 97.429 | 0.013 |
| 30 | 44 | 97.377 | 97.393 | 0.016 |
| 35 | 45 | 97.394 | 97.390 | -0.004 |
| 35 | 46 | 97.360 | 97.383 | 0.023 |
| 35 | 47 | 97.443 | 97.436 | -0.007 |
| 35 | 48 | 97.423 | 97.417 | -0.006 |
| 35 | 49 | 97.387 | 97.382 | -0.005 |
| 50 | 50 | 97.313 | 97.371 | 0.058 |
| 50 | 51 | 97.339 | 97.393 | 0.054 |
| 50 | 52 | 97.352 | 97.404 | 0.052 |
| 50 | 53 | 97.333 | 97.383 | 0.050 |
| 50 | 54 | 97.362 | 97.404 | 0.042 |
| 55 | 55 | 97.327 | 97.377 | 0.050 |
| 55 | 56 | 97.374 | 97.422 | 0.048 |
| 55 | 57 | 97.354 | 97.400 | 0.046 |
| 55 | 58 | 97.360 | 97.373 | 0.013 |
| 55 | 59 | 97.436 | 97.439 | 0.003 |
| 100 | 60 | 97.284 | 97.408 | 0.124 |
| 100 | 61 | 97.236 | 97.358 | 0.122 |
| 100 | 62 | 97.304 | 97.420 | 0.116 |
| 100 | 63 | 97.321 | 97.441 | 0.120 |
| 100 | 64 | 97.286 | 97.403 | 0.117 |
| 105 | 65 | 97.362 | 97.422 | 0.060 |
| 105 | 66 | 97.369 | 97.426 | 0.057 |
| 105 | 67 | 97.237 | 97.368 | 0.131 |
| 105 | 68 | 97.264 | 97.384 | 0.120 |
| 105 | 69 | 97.300 | 97.362 | 0.062 |
| | Max | 97.486 | 97.457 | 0.131 |
| | Average | 97.391 | 97.407 | 0.016 |
| | Min | 97.236 | 97.358 | -0.039 |
| | Std Dev | 0.065 | 0.026 | 0.053 |




| | 6.32_OH_2mA_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.406 | 97.383 | 97.364 | 97.390 | 97.401 | 97.375 | 97.382 | 97.371 | 97.373 | 97.358 | 97.362 |
| Average | 97.417 | 97.415 | 97.395 | 97.421 | 97.424 | 97.412 | 97.402 | 97.391 | 97.402 | 97.406 | 97.392 |
| Max | 97.436 | 97.457 | 97.442 | 97.445 | 97.453 | 97.444 | 97.436 | 97.404 | 97.439 | 97.441 | 97.426 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

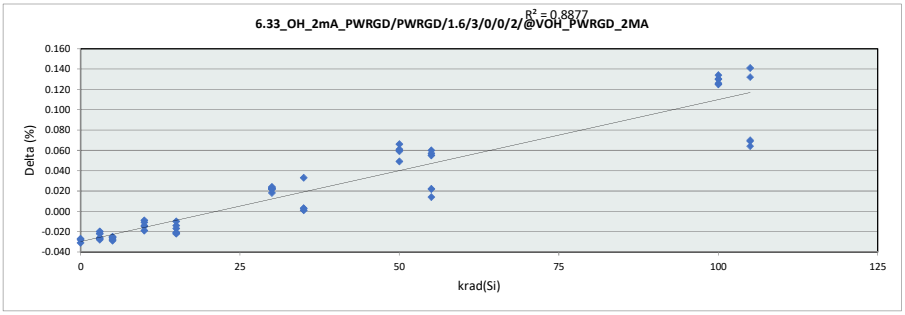


# TID HDR Report
# TPS7H3014-SP

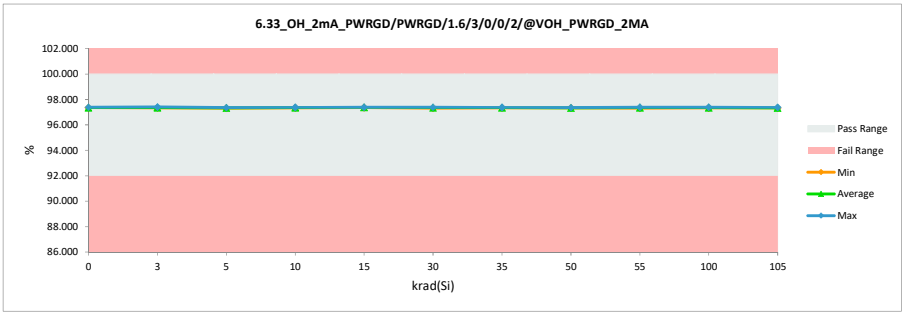
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.33_OH_2mA_PWRGD/PV | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.423 | 97.395 | -0.028 |
| 0 | 14 | 97.380 | 97.353 | -0.027 |
| 0 | 15 | 97.385 | 97.354 | -0.031 |
| 3 | 20 | 97.402 | 97.382 | -0.020 |
| 3 | 21 | 97.432 | 97.410 | -0.022 |
| 3 | 22 | 97.379 | 97.353 | -0.026 |
| 3 | 23 | 97.366 | 97.339 | -0.027 |
| 3 | 24 | 97.373 | 97.345 | -0.028 |
| 5 | 25 | 97.346 | 97.321 | -0.025 |
| 5 | 26 | 97.343 | 97.315 | -0.028 |
| 5 | 27 | 97.395 | 97.369 | -0.026 |
| 5 | 28 | 97.396 | 97.370 | -0.026 |
| 5 | 29 | 97.354 | 97.325 | -0.029 |
| 10 | 30 | 97.354 | 97.340 | -0.014 |
| 10 | 31 | 97.385 | 97.376 | -0.009 |
| 10 | 32 | 97.397 | 97.386 | -0.011 |
| 10 | 33 | 97.374 | 97.359 | -0.015 |
| 10 | 34 | 97.399 | 97.380 | -0.019 |
| 15 | 35 | 97.383 | 97.369 | -0.014 |
| 15 | 36 | 97.380 | 97.370 | -0.010 |
| 15 | 37 | 97.373 | 97.351 | -0.022 |
| 15 | 38 | 97.418 | 97.397 | -0.021 |
| 15 | 39 | 97.402 | 97.385 | -0.017 |
| 30 | 40 | 97.376 | 97.394 | 0.018 |
| 30 | 41 | 97.296 | 97.320 | 0.024 |
| 30 | 42 | 97.344 | 97.366 | 0.022 |
| 30 | 43 | 97.349 | 97.371 | 0.022 |
| 30 | 44 | 97.313 | 97.336 | 0.023 |
| 35 | 45 | 97.339 | 97.342 | 0.003 |
| 35 | 46 | 97.302 | 97.335 | 0.033 |
| 35 | 47 | 97.380 | 97.381 | 0.001 |
| 35 | 48 | 97.344 | 97.345 | 0.001 |
| 35 | 49 | 97.333 | 97.336 | 0.003 |
| 50 | 50 | 97.258 | 97.324 | 0.066 |
| 50 | 51 | 97.283 | 97.344 | 0.061 |
| 50 | 52 | 97.301 | 97.361 | 0.060 |
| 50 | 53 | 97.267 | 97.326 | 0.059 |
| 50 | 54 | 97.307 | 97.356 | 0.049 |
| 55 | 55 | 97.267 | 97.327 | 0.060 |
| 55 | 56 | 97.326 | 97.383 | 0.057 |
| 55 | 57 | 97.288 | 97.343 | 0.055 |
| 55 | 58 | 97.298 | 97.320 | 0.022 |
| 55 | 59 | 97.384 | 97.398 | 0.014 |
| 100 | 60 | 97.221 | 97.355 | 0.134 |
| 100 | 61 | 97.192 | 97.322 | 0.130 |
| 100 | 62 | 97.246 | 97.371 | 0.125 |
| 100 | 63 | 97.260 | 97.390 | 0.130 |
| 100 | 64 | 97.228 | 97.354 | 0.126 |
| 105 | 65 | 97.300 | 97.369 | 0.069 |
| 105 | 66 | 97.315 | 97.379 | 0.064 |
| 105 | 67 | 97.186 | 97.327 | 0.141 |
| 105 | 68 | 97.192 | 97.324 | 0.132 |
| 105 | 69 | 97.251 | 97.321 | 0.070 |
| | Max | 97.432 | 97.410 | 0.141 |
| | Average | 97.332 | 97.356 | 0.024 |
| | Min | 97.186 | 97.315 | -0.031 |
| | Std Dev | 0.064 | 0.025 | 0.053 |




| | 6.33_OH_2mA_PWRGD/I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.353 | 97.339 | 97.315 | 97.340 | 97.351 | 97.320 | 97.335 | 97.324 | 97.320 | 97.322 | 97.321 |
| Average | 97.367 | 97.366 | 97.340 | 97.368 | 97.374 | 97.357 | 97.348 | 97.342 | 97.354 | 97.358 | 97.344 |
| Max | 97.395 | 97.410 | 97.370 | 97.386 | 97.397 | 97.394 | 97.381 | 97.361 | 97.398 | 97.390 | 97.379 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

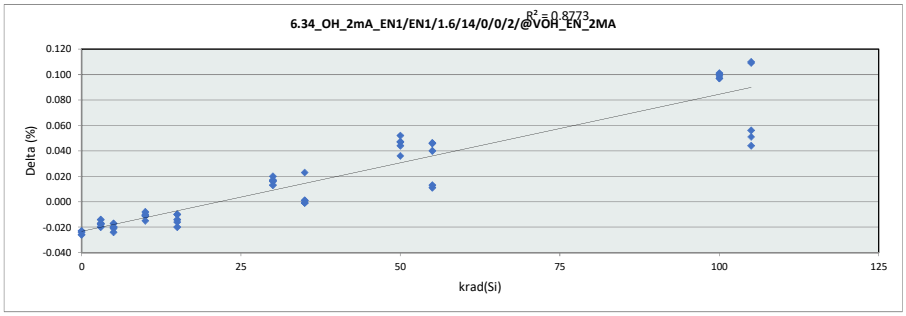


# TID HDR Report
# TPS7H3014-SP

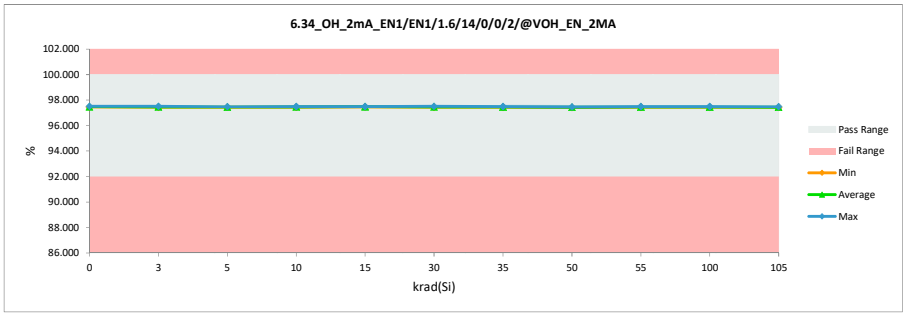
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.34_OH_2mA_EN1/EN1/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.530 | 97.507 | -0.023 |
| 0 | 14 | 97.482 | 97.458 | -0.024 |
| 0 | 15 | 97.487 | 97.461 | -0.026 |
| 3 | 20 | 97.489 | 97.475 | -0.014 |
| 3 | 21 | 97.529 | 97.512 | -0.017 |
| 3 | 22 | 97.461 | 97.444 | -0.017 |
| 3 | 23 | 97.442 | 97.424 | -0.018 |
| 3 | 24 | 97.490 | 97.470 | -0.020 |
| 5 | 25 | 97.463 | 97.443 | -0.020 |
| 5 | 26 | 97.454 | 97.437 | -0.017 |
| 5 | 27 | 97.503 | 97.483 | -0.020 |
| 5 | 28 | 97.488 | 97.467 | -0.021 |
| 5 | 29 | 97.467 | 97.443 | -0.024 |
| 10 | 30 | 97.458 | 97.448 | -0.010 |
| 10 | 31 | 97.492 | 97.481 | -0.011 |
| 10 | 32 | 97.502 | 97.494 | -0.008 |
| 10 | 33 | 97.462 | 97.451 | -0.011 |
| 10 | 34 | 97.500 | 97.485 | -0.015 |
| 15 | 35 | 97.478 | 97.468 | -0.010 |
| 15 | 36 | 97.511 | 97.501 | -0.010 |
| 15 | 37 | 97.485 | 97.465 | -0.020 |
| 15 | 38 | 97.514 | 97.500 | -0.014 |
| 15 | 39 | 97.496 | 97.480 | -0.016 |
| 30 | 40 | 97.491 | 97.504 | 0.013 |
| 30 | 41 | 97.412 | 97.432 | 0.020 |
| 30 | 42 | 97.451 | 97.468 | 0.017 |
| 30 | 43 | 97.481 | 97.497 | 0.016 |
| 30 | 44 | 97.414 | 97.431 | 0.017 |
| 35 | 45 | 97.451 | 97.450 | -0.001 |
| 35 | 46 | 97.414 | 97.437 | 0.023 |
| 35 | 47 | 97.496 | 97.497 | 0.001 |
| 35 | 48 | 97.426 | 97.425 | -0.001 |
| 35 | 49 | 97.457 | 97.458 | 0.001 |
| 50 | 50 | 97.387 | 97.439 | 0.052 |
| 50 | 51 | 97.396 | 97.443 | 0.047 |
| 50 | 52 | 97.419 | 97.466 | 0.047 |
| 50 | 53 | 97.373 | 97.417 | 0.044 |
| 50 | 54 | 97.436 | 97.472 | 0.036 |
| 55 | 55 | 97.381 | 97.427 | 0.046 |
| 55 | 56 | 97.449 | 97.495 | 0.046 |
| 55 | 57 | 97.416 | 97.456 | 0.040 |
| 55 | 58 | 97.414 | 97.427 | 0.013 |
| 55 | 59 | 97.487 | 97.498 | 0.011 |
| 100 | 60 | 97.359 | 97.459 | 0.100 |
| 100 | 61 | 97.328 | 97.427 | 0.099 |
| 100 | 62 | 97.350 | 97.451 | 0.101 |
| 100 | 63 | 97.400 | 97.497 | 0.097 |
| 100 | 64 | 97.367 | 97.464 | 0.097 |
| 105 | 65 | 97.428 | 97.479 | 0.051 |
| 105 | 66 | 97.420 | 97.464 | 0.044 |
| 105 | 67 | 97.316 | 97.426 | 0.110 |
| 105 | 68 | 97.314 | 97.423 | 0.109 |
| 105 | 69 | 97.377 | 97.433 | 0.056 |
| | Max | 97.530 | 97.512 | 0.110 |
| | Average | 97.443 | 97.461 | 0.018 |
| | Min | 97.314 | 97.417 | -0.026 |
| | Std Dev | 0.055 | 0.027 | 0.041 |




| | 6.34_OH_2mA_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.458 | 97.424 | 97.437 | 97.448 | 97.465 | 97.431 | 97.425 | 97.417 | 97.427 | 97.427 | 97.423 |
| Average | 97.475 | 97.465 | 97.455 | 97.472 | 97.483 | 97.466 | 97.453 | 97.447 | 97.461 | 97.460 | 97.445 |
| Max | 97.507 | 97.512 | 97.483 | 97.494 | 97.501 | 97.504 | 97.497 | 97.472 | 97.498 | 97.497 | 97.479 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

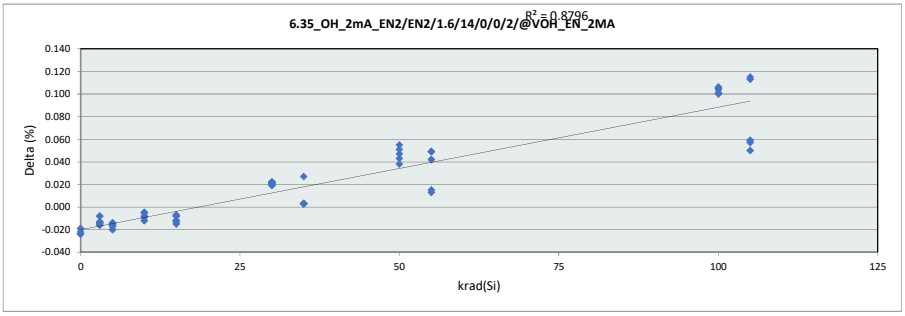


# TID HDR Report
# TPS7H3014-SP

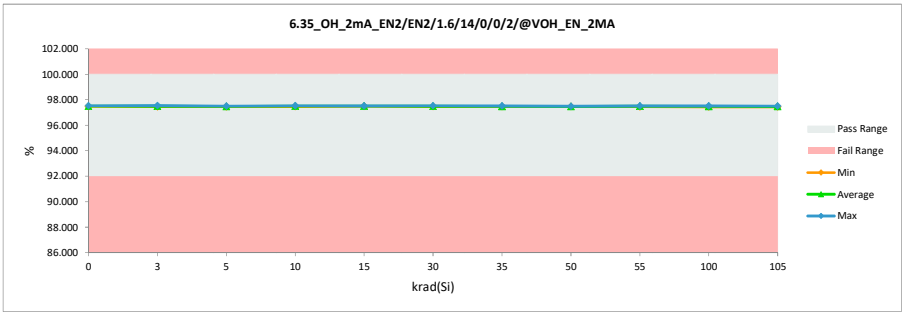
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.35_OH_2mA_EN2/EN2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.548 | 97.529 | -0.019 |
| 0 | 14 | 97.501 | 97.479 | -0.022 |
| 0 | 15 | 97.517 | 97.493 | -0.024 |
| 3 | 20 | 97.491 | 97.483 | -0.008 |
| 3 | 21 | 97.554 | 97.540 | -0.014 |
| 3 | 22 | 97.488 | 97.475 | -0.013 |
| 3 | 23 | 97.469 | 97.455 | -0.014 |
| 3 | 24 | 97.502 | 97.486 | -0.016 |
| 5 | 25 | 97.478 | 97.462 | -0.016 |
| 5 | 26 | 97.470 | 97.456 | -0.014 |
| 5 | 27 | 97.529 | 97.512 | -0.017 |
| 5 | 28 | 97.520 | 97.506 | -0.014 |
| 5 | 29 | 97.479 | 97.459 | -0.020 |
| 10 | 30 | 97.477 | 97.472 | -0.005 |
| 10 | 31 | 97.515 | 97.506 | -0.009 |
| 10 | 32 | 97.532 | 97.527 | -0.005 |
| 10 | 33 | 97.504 | 97.496 | -0.008 |
| 10 | 34 | 97.522 | 97.510 | -0.012 |
| 15 | 35 | 97.499 | 97.491 | -0.008 |
| 15 | 36 | 97.520 | 97.513 | -0.007 |
| 15 | 37 | 97.491 | 97.476 | -0.015 |
| 15 | 38 | 97.532 | 97.519 | -0.013 |
| 15 | 39 | 97.527 | 97.515 | -0.012 |
| 30 | 40 | 97.510 | 97.529 | 0.019 |
| 30 | 41 | 97.444 | 97.466 | 0.022 |
| 30 | 42 | 97.475 | 97.497 | 0.022 |
| 30 | 43 | 97.496 | 97.517 | 0.021 |
| 30 | 44 | 97.442 | 97.462 | 0.020 |
| 35 | 45 | 97.470 | 97.473 | 0.003 |
| 35 | 46 | 97.437 | 97.464 | 0.027 |
| 35 | 47 | 97.517 | 97.520 | 0.003 |
| 35 | 48 | 97.466 | 97.469 | 0.003 |
| 35 | 49 | 97.469 | 97.472 | 0.003 |
| 50 | 50 | 97.406 | 97.461 | 0.055 |
| 50 | 51 | 97.416 | 97.463 | 0.047 |
| 50 | 52 | 97.433 | 97.484 | 0.051 |
| 50 | 53 | 97.423 | 97.466 | 0.043 |
| 50 | 54 | 97.458 | 97.496 | 0.038 |
| 55 | 55 | 97.413 | 97.462 | 0.049 |
| 55 | 56 | 97.467 | 97.516 | 0.049 |
| 55 | 57 | 97.443 | 97.485 | 0.042 |
| 55 | 58 | 97.439 | 97.454 | 0.015 |
| 55 | 59 | 97.510 | 97.523 | 0.013 |
| 100 | 60 | 97.389 | 97.493 | 0.104 |
| 100 | 61 | 97.342 | 97.447 | 0.105 |
| 100 | 62 | 97.363 | 97.469 | 0.106 |
| 100 | 63 | 97.423 | 97.524 | 0.101 |
| 100 | 64 | 97.393 | 97.493 | 0.100 |
| 105 | 65 | 97.447 | 97.504 | 0.057 |
| 105 | 66 | 97.452 | 97.502 | 0.050 |
| 105 | 67 | 97.342 | 97.457 | 0.115 |
| 105 | 68 | 97.347 | 97.460 | 0.113 |
| 105 | 69 | 97.388 | 97.447 | 0.059 |
| | Max | 97.554 | 97.540 | 0.115 |
| | Average | 97.466 | 97.487 | 0.022 |
| | Min | 97.342 | 97.447 | -0.024 |
| | Std Dev | 0.054 | 0.025 | 0.041 |




| | 6.35_OH_2mA_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.479 | 97.455 | 97.456 | 97.472 | 97.476 | 97.462 | 97.464 | 97.461 | 97.454 | 97.447 | 97.447 |
| Average | 97.500 | 97.488 | 97.479 | 97.502 | 97.503 | 97.494 | 97.480 | 97.474 | 97.488 | 97.485 | 97.474 |
| Max | 97.529 | 97.540 | 97.512 | 97.527 | 97.519 | 97.529 | 97.520 | 97.496 | 97.523 | 97.524 | 97.504 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

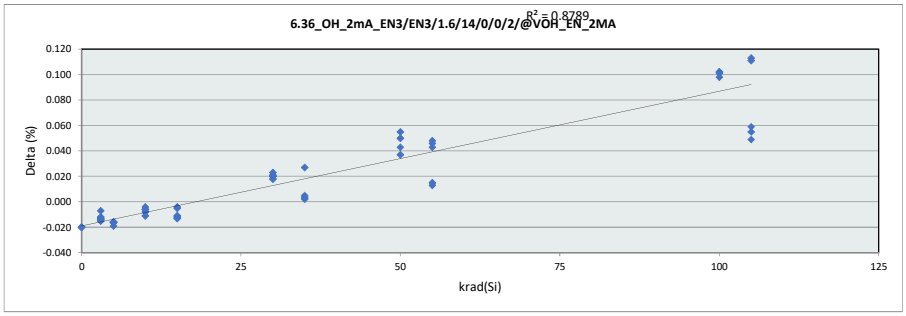


# TID HDR Report
# TPS7H3014-SP

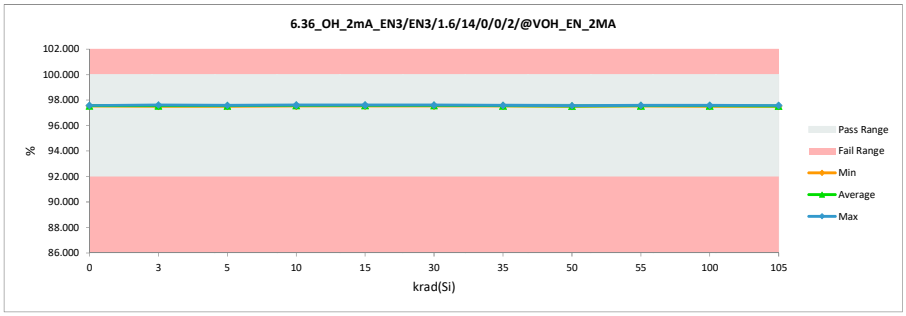
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.36_OH_2mA_EN3/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.607 | 97.587 | -0.020 |
| 0 | 14 | 97.569 | 97.549 | -0.020 |
| 0 | 15 | 97.585 | 97.565 | -0.020 |
| 3 | 20 | 97.575 | 97.568 | -0.007 |
| 3 | 21 | 97.628 | 97.615 | -0.013 |
| 3 | 22 | 97.567 | 97.555 | -0.012 |
| 3 | 23 | 97.536 | 97.521 | -0.015 |
| 3 | 24 | 97.579 | 97.565 | -0.014 |
| 5 | 25 | 97.543 | 97.527 | -0.016 |
| 5 | 26 | 97.537 | 97.521 | -0.016 |
| 5 | 27 | 97.598 | 97.582 | -0.016 |
| 5 | 28 | 97.614 | 97.598 | -0.016 |
| 5 | 29 | 97.556 | 97.537 | -0.019 |
| 10 | 30 | 97.538 | 97.532 | -0.006 |
| 10 | 31 | 97.600 | 97.594 | -0.006 |
| 10 | 32 | 97.611 | 97.607 | -0.004 |
| 10 | 33 | 97.583 | 97.575 | -0.008 |
| 10 | 34 | 97.600 | 97.589 | -0.011 |
| 15 | 35 | 97.566 | 97.561 | -0.005 |
| 15 | 36 | 97.579 | 97.575 | -0.004 |
| 15 | 37 | 97.560 | 97.547 | -0.013 |
| 15 | 38 | 97.614 | 97.603 | -0.011 |
| 15 | 39 | 97.610 | 97.598 | -0.012 |
| 30 | 40 | 97.594 | 97.612 | 0.018 |
| 30 | 41 | 97.534 | 97.554 | 0.020 |
| 30 | 42 | 97.567 | 97.588 | 0.021 |
| 30 | 43 | 97.584 | 97.607 | 0.023 |
| 30 | 44 | 97.506 | 97.526 | 0.020 |
| 35 | 45 | 97.549 | 97.552 | 0.003 |
| 35 | 46 | 97.511 | 97.538 | 0.027 |
| 35 | 47 | 97.595 | 97.600 | 0.005 |
| 35 | 48 | 97.551 | 97.553 | 0.002 |
| 35 | 49 | 97.536 | 97.540 | 0.004 |
| 50 | 50 | 97.468 | 97.523 | 0.055 |
| 50 | 51 | 97.492 | 97.542 | 0.050 |
| 50 | 52 | 97.506 | 97.556 | 0.050 |
| 50 | 53 | 97.511 | 97.554 | 0.043 |
| 50 | 54 | 97.531 | 97.568 | 0.037 |
| 55 | 55 | 97.492 | 97.538 | 0.046 |
| 55 | 56 | 97.537 | 97.585 | 0.048 |
| 55 | 57 | 97.524 | 97.567 | 0.043 |
| 55 | 58 | 97.511 | 97.524 | 0.013 |
| 55 | 59 | 97.580 | 97.595 | 0.015 |
| 100 | 60 | 97.462 | 97.564 | 0.102 |
| 100 | 61 | 97.411 | 97.513 | 0.102 |
| 100 | 62 | 97.444 | 97.546 | 0.102 |
| 100 | 63 | 97.502 | 97.600 | 0.098 |
| 100 | 64 | 97.464 | 97.565 | 0.101 |
| 105 | 65 | 97.522 | 97.577 | 0.055 |
| 105 | 66 | 97.525 | 97.574 | 0.049 |
| 105 | 67 | 97.408 | 97.521 | 0.113 |
| 105 | 68 | 97.414 | 97.525 | 0.111 |
| 105 | 69 | 97.462 | 97.521 | 0.059 |
| | Max | 97.628 | 97.615 | 0.113 |
| | Average | 97.541 | 97.562 | 0.022 |
| | Min | 97.408 | 97.513 | -0.020 |
| | Std Dev | 0.055 | 0.029 | 0.040 |




| | 6.36_OH_2mA_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.549 | 97.521 | 97.521 | 97.532 | 97.547 | 97.526 | 97.538 | 97.523 | 97.524 | 97.513 | 97.521 |
| Average | 97.567 | 97.565 | 97.553 | 97.579 | 97.577 | 97.577 | 97.557 | 97.549 | 97.562 | 97.558 | 97.544 |
| Max | 97.587 | 97.615 | 97.598 | 97.607 | 97.603 | 97.612 | 97.600 | 97.568 | 97.595 | 97.600 | 97.577 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

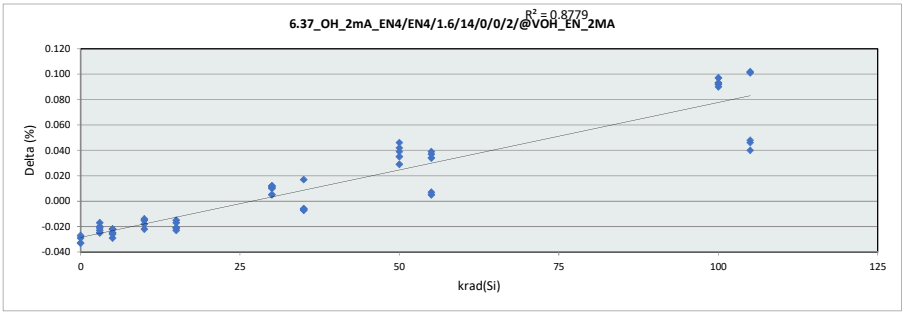


# TID HDR Report
# TPS7H3014-SP

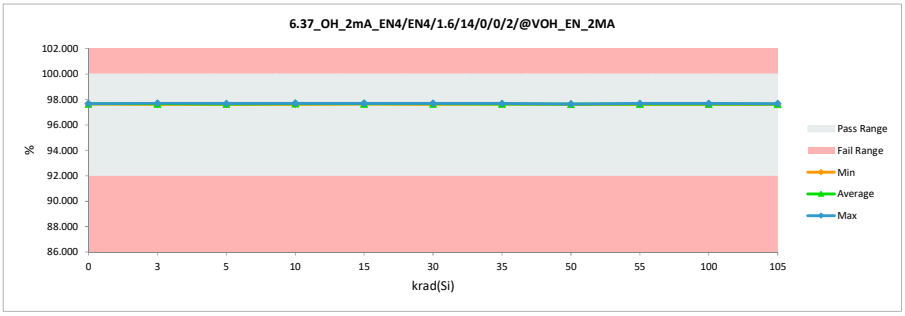
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.37_OH_2mA_EN4/EN4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.703 | 97.676 | -0.027 |
| 0 | 14 | 97.674 | 97.645 | -0.029 |
| 0 | 15 | 97.680 | 97.647 | -0.033 |
| 3 | 20 | 97.678 | 97.661 | -0.017 |
| 3 | 21 | 97.729 | 97.704 | -0.025 |
| 3 | 22 | 97.671 | 97.651 | -0.020 |
| 3 | 23 | 97.634 | 97.613 | -0.021 |
| 3 | 24 | 97.686 | 97.663 | -0.023 |
| 5 | 25 | 97.635 | 97.613 | -0.022 |
| 5 | 26 | 97.635 | 97.613 | -0.022 |
| 5 | 27 | 97.701 | 97.676 | -0.025 |
| 5 | 28 | 97.715 | 97.689 | -0.026 |
| 5 | 29 | 97.646 | 97.617 | -0.029 |
| 10 | 30 | 97.633 | 97.618 | -0.015 |
| 10 | 31 | 97.700 | 97.685 | -0.015 |
| 10 | 32 | 97.713 | 97.699 | -0.014 |
| 10 | 33 | 97.680 | 97.662 | -0.018 |
| 10 | 34 | 97.708 | 97.686 | -0.022 |
| 15 | 35 | 97.668 | 97.651 | -0.017 |
| 15 | 36 | 97.674 | 97.659 | -0.015 |
| 15 | 37 | 97.654 | 97.631 | -0.023 |
| 15 | 38 | 97.714 | 97.693 | -0.021 |
| 15 | 39 | 97.709 | 97.688 | -0.021 |
| 30 | 40 | 97.690 | 97.695 | 0.005 |
| 30 | 41 | 97.628 | 97.638 | 0.010 |
| 30 | 42 | 97.661 | 97.673 | 0.012 |
| 30 | 43 | 97.681 | 97.692 | 0.011 |
| 30 | 44 | 97.603 | 97.615 | 0.012 |
| 35 | 45 | 97.650 | 97.643 | -0.007 |
| 35 | 46 | 97.611 | 97.628 | 0.017 |
| 35 | 47 | 97.696 | 97.690 | -0.006 |
| 35 | 48 | 97.652 | 97.645 | -0.007 |
| 35 | 49 | 97.635 | 97.629 | -0.006 |
| 50 | 50 | 97.553 | 97.599 | 0.046 |
| 50 | 51 | 97.592 | 97.631 | 0.039 |
| 50 | 52 | 97.605 | 97.647 | 0.042 |
| 50 | 53 | 97.605 | 97.640 | 0.035 |
| 50 | 54 | 97.617 | 97.646 | 0.029 |
| 55 | 55 | 97.587 | 97.624 | 0.037 |
| 55 | 56 | 97.637 | 97.676 | 0.039 |
| 55 | 57 | 97.622 | 97.656 | 0.034 |
| 55 | 58 | 97.606 | 97.613 | 0.007 |
| 55 | 59 | 97.686 | 97.691 | 0.005 |
| 100 | 60 | 97.560 | 97.653 | 0.093 |
| 100 | 61 | 97.504 | 97.601 | 0.097 |
| 100 | 62 | 97.545 | 97.638 | 0.093 |
| 100 | 63 | 97.600 | 97.690 | 0.090 |
| 100 | 64 | 97.562 | 97.654 | 0.092 |
| 105 | 65 | 97.618 | 97.664 | 0.046 |
| 105 | 66 | 97.626 | 97.666 | 0.040 |
| 105 | 67 | 97.508 | 97.610 | 0.102 |
| 105 | 68 | 97.522 | 97.623 | 0.101 |
| 105 | 69 | 97.557 | 97.605 | 0.048 |
| | Max | 97.729 | 97.704 | 0.102 |
| | Average | 97.639 | 97.651 | 0.012 |
| | Min | 97.504 | 97.599 | -0.033 |
| | Std Dev | 0.057 | 0.030 | 0.041 |




| | 6.37_OH_2mA_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.645 | 97.613 | 97.613 | 97.618 | 97.631 | 97.615 | 97.628 | 97.599 | 97.613 | 97.601 | 97.605 |
| Average | 97.656 | 97.658 | 97.642 | 97.670 | 97.664 | 97.663 | 97.647 | 97.633 | 97.652 | 97.647 | 97.634 |
| Max | 97.676 | 97.704 | 97.689 | 97.699 | 97.693 | 97.695 | 97.690 | 97.647 | 97.691 | 97.690 | 97.666 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

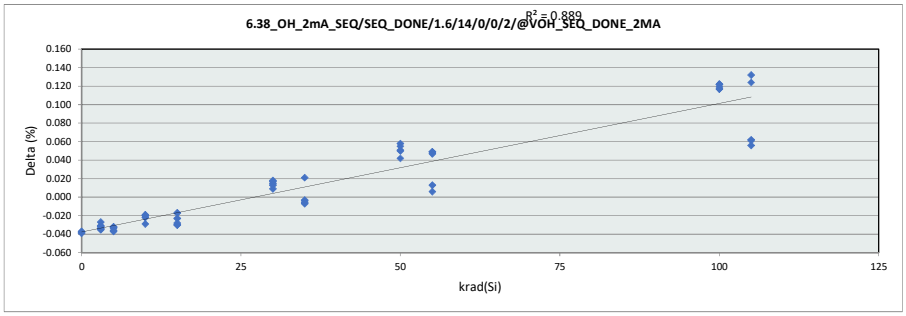


# TID HDR Report
# TPS7H3014-SP

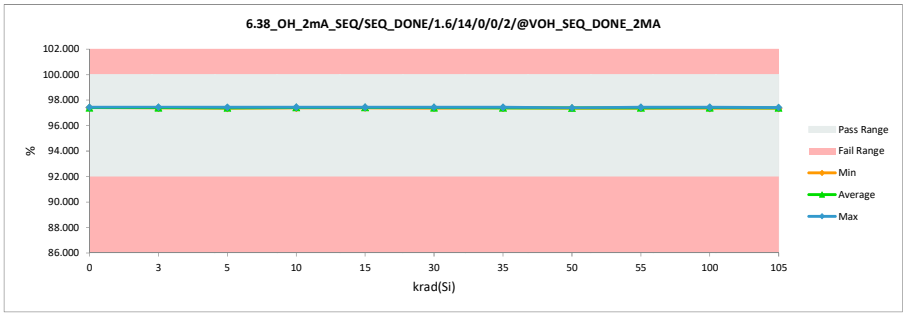
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.38_OH_2mA_SEQ/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.470 | 97.433 | -0.037 |
| 0 | 14 | 97.441 | 97.403 | -0.038 |
| 0 | 15 | 97.444 | 97.405 | -0.039 |
| 3 | 20 | 97.447 | 97.420 | -0.027 |
| 3 | 21 | 97.484 | 97.453 | -0.031 |
| 3 | 22 | 97.431 | 97.399 | -0.032 |
| 3 | 23 | 97.413 | 97.379 | -0.034 |
| 3 | 24 | 97.439 | 97.404 | -0.035 |
| 5 | 25 | 97.394 | 97.361 | -0.033 |
| 5 | 26 | 97.393 | 97.361 | -0.032 |
| 5 | 27 | 97.451 | 97.415 | -0.036 |
| 5 | 28 | 97.472 | 97.439 | -0.033 |
| 5 | 29 | 97.419 | 97.382 | -0.037 |
| 10 | 30 | 97.410 | 97.388 | -0.022 |
| 10 | 31 | 97.446 | 97.426 | -0.020 |
| 10 | 32 | 97.462 | 97.443 | -0.019 |
| 10 | 33 | 97.426 | 97.406 | -0.020 |
| 10 | 34 | 97.456 | 97.427 | -0.029 |
| 15 | 35 | 97.429 | 97.406 | -0.023 |
| 15 | 36 | 97.437 | 97.420 | -0.017 |
| 15 | 37 | 97.428 | 97.398 | -0.030 |
| 15 | 38 | 97.480 | 97.450 | -0.030 |
| 15 | 39 | 97.458 | 97.430 | -0.028 |
| 30 | 40 | 97.433 | 97.442 | 0.009 |
| 30 | 41 | 97.355 | 97.372 | 0.017 |
| 30 | 42 | 97.404 | 97.417 | 0.013 |
| 30 | 43 | 97.411 | 97.426 | 0.015 |
| 30 | 44 | 97.372 | 97.390 | 0.018 |
| 35 | 45 | 97.389 | 97.385 | -0.004 |
| 35 | 46 | 97.359 | 97.380 | 0.021 |
| 35 | 47 | 97.440 | 97.433 | -0.007 |
| 35 | 48 | 97.421 | 97.415 | -0.006 |
| 35 | 49 | 97.382 | 97.379 | -0.003 |
| 50 | 50 | 97.310 | 97.368 | 0.058 |
| 50 | 51 | 97.335 | 97.390 | 0.055 |
| 50 | 52 | 97.350 | 97.400 | 0.050 |
| 50 | 53 | 97.329 | 97.380 | 0.051 |
| 50 | 54 | 97.359 | 97.401 | 0.042 |
| 55 | 55 | 97.325 | 97.374 | 0.049 |
| 55 | 56 | 97.370 | 97.419 | 0.049 |
| 55 | 57 | 97.351 | 97.398 | 0.047 |
| 55 | 58 | 97.357 | 97.370 | 0.013 |
| 55 | 59 | 97.431 | 97.437 | 0.006 |
| 100 | 60 | 97.283 | 97.405 | 0.122 |
| 100 | 61 | 97.233 | 97.355 | 0.122 |
| 100 | 62 | 97.300 | 97.417 | 0.117 |
| 100 | 63 | 97.319 | 97.438 | 0.119 |
| 100 | 64 | 97.283 | 97.400 | 0.117 |
| 105 | 65 | 97.359 | 97.421 | 0.062 |
| 105 | 66 | 97.366 | 97.422 | 0.056 |
| 105 | 67 | 97.234 | 97.366 | 0.132 |
| 105 | 68 | 97.258 | 97.382 | 0.124 |
| 105 | 69 | 97.297 | 97.358 | 0.061 |
| | Max | 97.484 | 97.453 | 0.132 |
| | Average | 97.388 | 97.404 | 0.016 |
| | Min | 97.233 | 97.355 | -0.039 |
| | Std Dev | 0.065 | 0.026 | 0.053 |




| | 6.38_OH_2mA_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.403 | 97.379 | 97.361 | 97.388 | 97.398 | 97.372 | 97.379 | 97.368 | 97.370 | 97.355 | 97.358 |
| Average | 97.414 | 97.411 | 97.392 | 97.418 | 97.421 | 97.409 | 97.398 | 97.388 | 97.400 | 97.403 | 97.390 |
| Max | 97.433 | 97.453 | 97.439 | 97.443 | 97.450 | 97.442 | 97.433 | 97.401 | 97.437 | 97.438 | 97.422 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

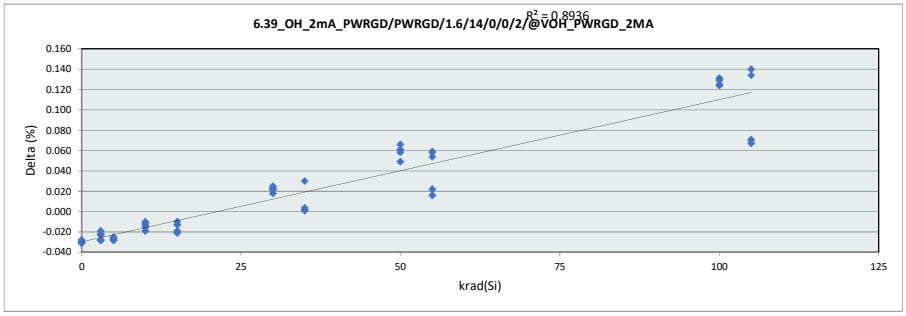


# TID HDR Report
# TPS7H3014-SP

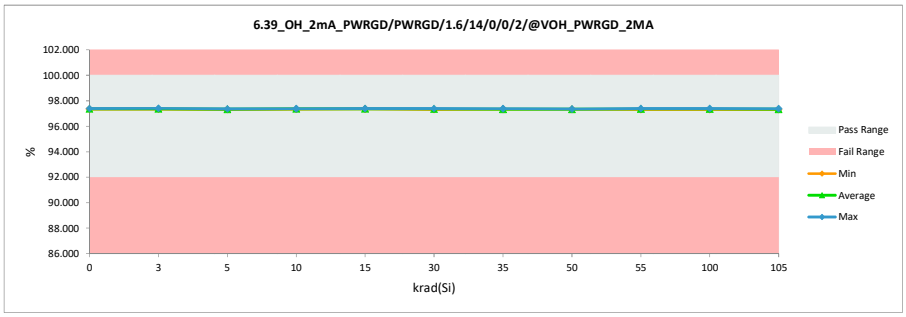
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.39_OH_2mA_PWRGD/PV | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.420 | 97.392 | -0.028 |
| 0 | 14 | 97.380 | 97.350 | -0.030 |
| 0 | 15 | 97.383 | 97.352 | -0.031 |
| 3 | 20 | 97.399 | 97.380 | -0.019 |
| 3 | 21 | 97.430 | 97.408 | -0.022 |
| 3 | 22 | 97.374 | 97.351 | -0.023 |
| 3 | 23 | 97.364 | 97.336 | -0.028 |
| 3 | 24 | 97.371 | 97.343 | -0.028 |
| 5 | 25 | 97.344 | 97.318 | -0.026 |
| 5 | 26 | 97.339 | 97.313 | -0.026 |
| 5 | 27 | 97.394 | 97.366 | -0.028 |
| 5 | 28 | 97.393 | 97.368 | -0.025 |
| 5 | 29 | 97.351 | 97.323 | -0.028 |
| 10 | 30 | 97.352 | 97.337 | -0.015 |
| 10 | 31 | 97.383 | 97.373 | -0.010 |
| 10 | 32 | 97.395 | 97.384 | -0.011 |
| 10 | 33 | 97.370 | 97.357 | -0.013 |
| 10 | 34 | 97.397 | 97.378 | -0.019 |
| 15 | 35 | 97.380 | 97.367 | -0.013 |
| 15 | 36 | 97.377 | 97.367 | -0.010 |
| 15 | 37 | 97.370 | 97.349 | -0.021 |
| 15 | 38 | 97.415 | 97.395 | -0.020 |
| 15 | 39 | 97.401 | 97.382 | -0.019 |
| 30 | 40 | 97.374 | 97.392 | 0.018 |
| 30 | 41 | 97.292 | 97.317 | 0.025 |
| 30 | 42 | 97.341 | 97.363 | 0.022 |
| 30 | 43 | 97.346 | 97.368 | 0.022 |
| 30 | 44 | 97.309 | 97.332 | 0.023 |
| 35 | 45 | 97.335 | 97.337 | 0.002 |
| 35 | 46 | 97.302 | 97.332 | 0.030 |
| 35 | 47 | 97.377 | 97.378 | 0.001 |
| 35 | 48 | 97.342 | 97.344 | 0.002 |
| 35 | 49 | 97.328 | 97.332 | 0.004 |
| 50 | 50 | 97.256 | 97.322 | 0.066 |
| 50 | 51 | 97.281 | 97.342 | 0.061 |
| 50 | 52 | 97.298 | 97.358 | 0.060 |
| 50 | 53 | 97.266 | 97.324 | 0.058 |
| 50 | 54 | 97.305 | 97.354 | 0.049 |
| 55 | 55 | 97.265 | 97.324 | 0.059 |
| 55 | 56 | 97.321 | 97.379 | 0.058 |
| 55 | 57 | 97.287 | 97.341 | 0.054 |
| 55 | 58 | 97.295 | 97.317 | 0.022 |
| 55 | 59 | 97.380 | 97.396 | 0.016 |
| 100 | 60 | 97.221 | 97.352 | 0.131 |
| 100 | 61 | 97.188 | 97.319 | 0.131 |
| 100 | 62 | 97.243 | 97.368 | 0.125 |
| 100 | 63 | 97.259 | 97.388 | 0.129 |
| 100 | 64 | 97.225 | 97.349 | 0.124 |
| 105 | 65 | 97.298 | 97.368 | 0.070 |
| 105 | 66 | 97.310 | 97.377 | 0.067 |
| 105 | 67 | 97.184 | 97.324 | 0.140 |
| 105 | 68 | 97.188 | 97.322 | 0.134 |
| 105 | 69 | 97.247 | 97.318 | 0.071 |
| | Max | 97.430 | 97.408 | 0.140 |
| | Average | 97.329 | 97.353 | 0.024 |
| | Min | 97.184 | 97.313 | -0.031 |
| | Std Dev | 0.064 | 0.025 | 0.053 |




| | 6.39_OH_2mA_PWRGD/I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 97.350 | 97.336 | 97.313 | 97.337 | 97.349 | 97.317 | 97.332 | 97.322 | 97.317 | 97.319 | 97.318 |
| Average | 97.365 | 97.364 | 97.338 | 97.366 | 97.372 | 97.354 | 97.345 | 97.340 | 97.351 | 97.355 | 97.342 |
| Max | 97.392 | 97.408 | 97.368 | 97.384 | 97.395 | 97.392 | 97.378 | 97.358 | 97.396 | 97.388 | 97.377 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

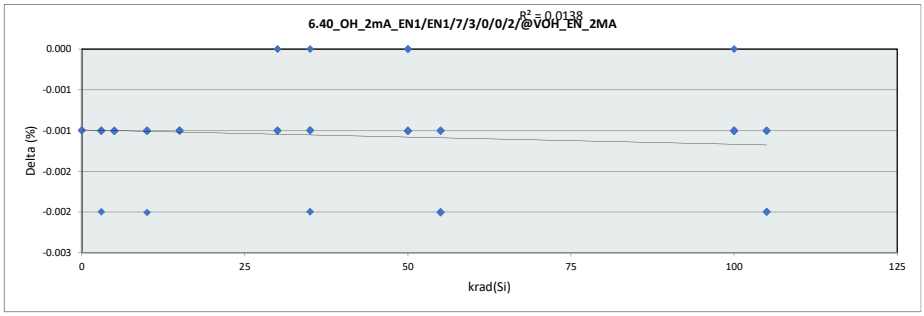


# TID HDR Report
# TPS7H3014-SP

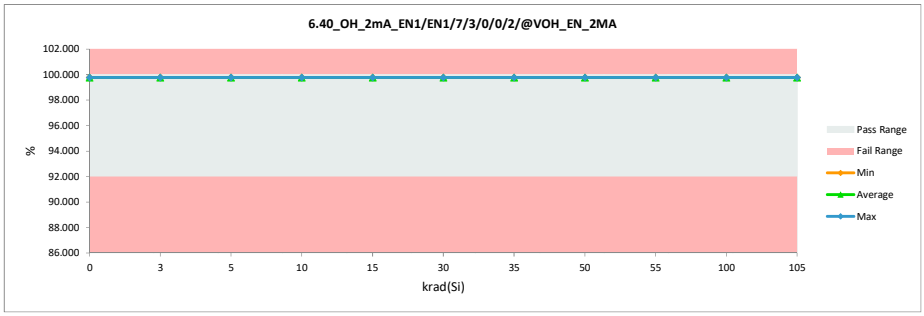
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.40_OH_2mA_EN1/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.773 | 99.772 | -0.001 |
| 0 | 14 | 99.770 | 99.769 | -0.001 |
| 0 | 15 | 99.772 | 99.771 | -0.001 |
| 3 | 20 | 99.770 | 99.769 | -0.001 |
| 3 | 21 | 99.773 | 99.771 | -0.002 |
| 3 | 22 | 99.771 | 99.770 | -0.001 |
| 3 | 23 | 99.770 | 99.769 | -0.001 |
| 3 | 24 | 99.771 | 99.770 | -0.001 |
| 5 | 25 | 99.771 | 99.770 | -0.001 |
| 5 | 26 | 99.770 | 99.769 | -0.001 |
| 5 | 27 | 99.771 | 99.770 | -0.001 |
| 5 | 28 | 99.771 | 99.770 | -0.001 |
| 5 | 29 | 99.771 | 99.770 | -0.001 |
| 10 | 30 | 99.770 | 99.769 | -0.001 |
| 10 | 31 | 99.771 | 99.770 | -0.001 |
| 10 | 32 | 99.771 | 99.770 | -0.001 |
| 10 | 33 | 99.770 | 99.769 | -0.001 |
| 10 | 34 | 99.772 | 99.770 | -0.002 |
| 15 | 35 | 99.770 | 99.769 | -0.001 |
| 15 | 36 | 99.772 | 99.771 | -0.001 |
| 15 | 37 | 99.771 | 99.770 | -0.001 |
| 15 | 38 | 99.773 | 99.772 | -0.001 |
| 15 | 39 | 99.770 | 99.769 | -0.001 |
| 30 | 40 | 99.772 | 99.771 | -0.001 |
| 30 | 41 | 99.769 | 99.769 | 0.000 |
| 30 | 42 | 99.770 | 99.769 | -0.001 |
| 30 | 43 | 99.771 | 99.770 | -0.001 |
| 30 | 44 | 99.769 | 99.769 | 0.000 |
| 35 | 45 | 99.770 | 99.769 | -0.001 |
| 35 | 46 | 99.770 | 99.768 | -0.002 |
| 35 | 47 | 99.772 | 99.771 | -0.001 |
| 35 | 48 | 99.768 | 99.768 | 0.000 |
| 35 | 49 | 99.770 | 99.769 | -0.001 |
| 50 | 50 | 99.769 | 99.769 | 0.000 |
| 50 | 51 | 99.771 | 99.770 | -0.001 |
| 50 | 52 | 99.769 | 99.769 | 0.000 |
| 50 | 53 | 99.769 | 99.768 | -0.001 |
| 50 | 54 | 99.771 | 99.770 | -0.001 |
| 55 | 55 | 99.769 | 99.768 | -0.001 |
| 55 | 56 | 99.772 | 99.770 | -0.002 |
| 55 | 57 | 99.771 | 99.770 | -0.001 |
| 55 | 58 | 99.770 | 99.768 | -0.002 |
| 55 | 59 | 99.772 | 99.770 | -0.002 |
| 100 | 60 | 99.771 | 99.770 | -0.001 |
| 100 | 61 | 99.769 | 99.768 | -0.001 |
| 100 | 62 | 99.769 | 99.768 | -0.001 |
| 100 | 63 | 99.771 | 99.770 | -0.001 |
| 100 | 64 | 99.769 | 99.769 | 0.000 |
| 105 | 65 | 99.771 | 99.770 | -0.001 |
| 105 | 66 | 99.770 | 99.768 | -0.002 |
| 105 | 67 | 99.770 | 99.768 | -0.002 |
| 105 | 68 | 99.770 | 99.768 | -0.002 |
| 105 | 69 | 99.770 | 99.769 | -0.001 |
| | Max | 99.773 | 99.772 | 0.000 |
| | Average | 99.771 | 99.769 | -0.001 |
| | Min | 99.768 | 99.768 | -0.002 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.40_OH_2mA_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.769 | 99.769 | 99.769 | 99.769 | 99.769 | 99.769 | 99.768 | 99.768 | 99.768 | 99.768 | 99.768 |
| Average | 99.771 | 99.770 | 99.770 | 99.770 | 99.770 | 99.770 | 99.769 | 99.769 | 99.769 | 99.769 | 99.769 |
| Max | 99.772 | 99.771 | 99.770 | 99.770 | 99.772 | 99.771 | 99.771 | 99.770 | 99.770 | 99.770 | 99.770 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

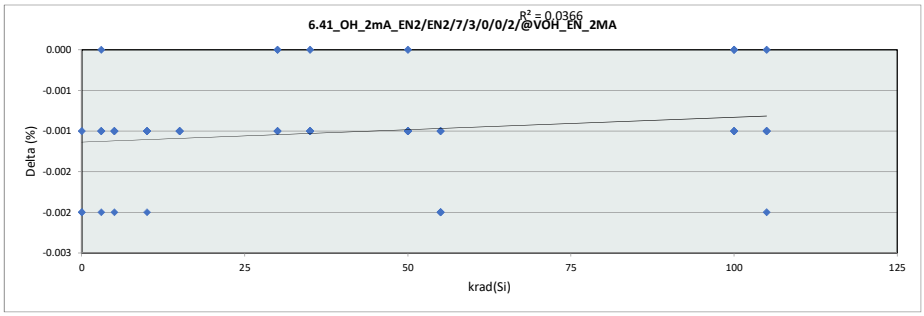


# TID HDR Report
# TPS7H3014-SP

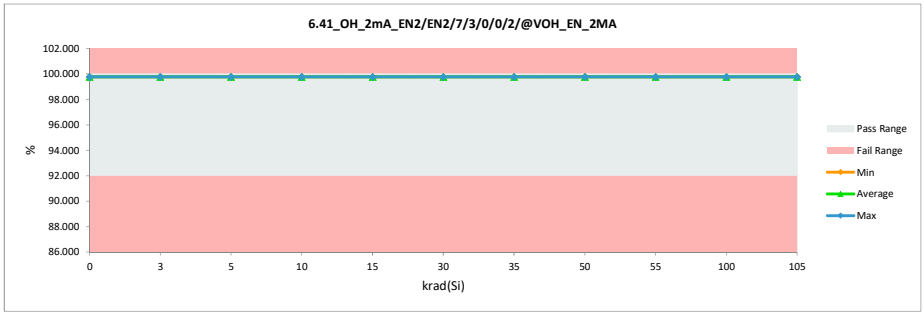
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.41_OH_2mA_EN2/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.777 | 99.775 | -0.002 |
| 0 | 14 | 99.774 | 99.772 | -0.002 |
| 0 | 15 | 99.776 | 99.775 | -0.001 |
| 3 | 20 | 99.771 | 99.771 | 0.000 |
| 3 | 21 | 99.777 | 99.775 | -0.002 |
| 3 | 22 | 99.775 | 99.774 | -0.001 |
| 3 | 23 | 99.774 | 99.773 | -0.001 |
| 3 | 24 | 99.774 | 99.773 | -0.001 |
| 5 | 25 | 99.775 | 99.773 | -0.002 |
| 5 | 26 | 99.773 | 99.772 | -0.001 |
| 5 | 27 | 99.775 | 99.774 | -0.001 |
| 5 | 28 | 99.775 | 99.774 | -0.001 |
| 5 | 29 | 99.773 | 99.772 | -0.001 |
| 10 | 30 | 99.773 | 99.772 | -0.001 |
| 10 | 31 | 99.775 | 99.774 | -0.001 |
| 10 | 32 | 99.774 | 99.773 | -0.001 |
| 10 | 33 | 99.775 | 99.774 | -0.001 |
| 10 | 34 | 99.776 | 99.774 | -0.002 |
| 15 | 35 | 99.774 | 99.773 | -0.001 |
| 15 | 36 | 99.775 | 99.774 | -0.001 |
| 15 | 37 | 99.774 | 99.773 | -0.001 |
| 15 | 38 | 99.776 | 99.775 | -0.001 |
| 15 | 39 | 99.774 | 99.773 | -0.001 |
| 30 | 40 | 99.775 | 99.774 | -0.001 |
| 30 | 41 | 99.774 | 99.773 | -0.001 |
| 30 | 42 | 99.773 | 99.773 | 0.000 |
| 30 | 43 | 99.774 | 99.773 | -0.001 |
| 30 | 44 | 99.773 | 99.773 | 0.000 |
| 35 | 45 | 99.774 | 99.773 | -0.001 |
| 35 | 46 | 99.773 | 99.772 | -0.001 |
| 35 | 47 | 99.775 | 99.774 | -0.001 |
| 35 | 48 | 99.773 | 99.773 | 0.000 |
| 35 | 49 | 99.773 | 99.772 | -0.001 |
| 50 | 50 | 99.773 | 99.772 | -0.001 |
| 50 | 51 | 99.773 | 99.773 | 0.000 |
| 50 | 52 | 99.773 | 99.772 | -0.001 |
| 50 | 53 | 99.774 | 99.773 | -0.001 |
| 50 | 54 | 99.775 | 99.774 | -0.001 |
| 55 | 55 | 99.773 | 99.772 | -0.001 |
| 55 | 56 | 99.775 | 99.773 | -0.002 |
| 55 | 57 | 99.775 | 99.774 | -0.001 |
| 55 | 58 | 99.774 | 99.772 | -0.002 |
| 55 | 59 | 99.776 | 99.774 | -0.002 |
| 100 | 60 | 99.775 | 99.774 | -0.001 |
| 100 | 61 | 99.772 | 99.771 | -0.001 |
| 100 | 62 | 99.771 | 99.771 | 0.000 |
| 100 | 63 | 99.775 | 99.774 | -0.001 |
| 100 | 64 | 99.772 | 99.772 | 0.000 |
| 105 | 65 | 99.774 | 99.773 | -0.001 |
| 105 | 66 | 99.774 | 99.772 | -0.002 |
| 105 | 67 | 99.774 | 99.773 | -0.001 |
| 105 | 68 | 99.773 | 99.773 | 0.000 |
| 105 | 69 | 99.773 | 99.772 | -0.001 |
| | Max | 99.777 | 99.775 | 0.000 |
| | Average | 99.774 | 99.773 | -0.001 |
| | Min | 99.771 | 99.771 | -0.002 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.41_OH_2mA_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.772 | 99.771 | 99.772 | 99.772 | 99.773 | 99.773 | 99.772 | 99.772 | 99.772 | 99.771 | 99.772 |
| Average | 99.774 | 99.773 | 99.773 | 99.773 | 99.774 | 99.773 | 99.773 | 99.773 | 99.773 | 99.772 | 99.773 |
| Max | 99.775 | 99.775 | 99.774 | 99.774 | 99.775 | 99.774 | 99.774 | 99.774 | 99.774 | 99.774 | 99.773 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

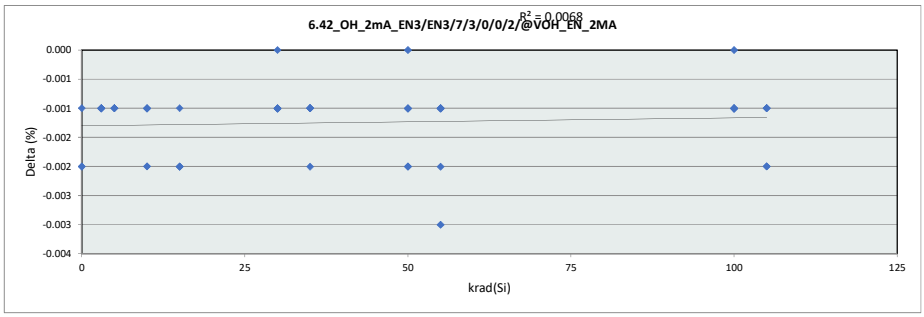


# TID HDR Report
# TPS7H3014-SP

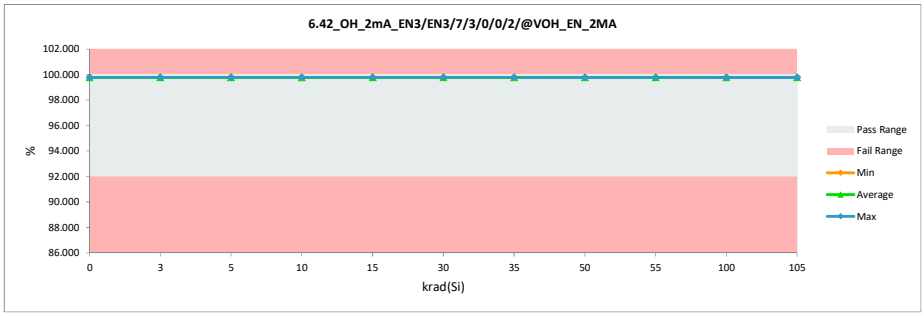
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.42_OH_2mA_EN3/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.786 | 99.784 | -0.002 |
| 0 | 14 | 99.784 | 99.782 | -0.002 |
| 0 | 15 | 99.786 | 99.785 | -0.001 |
| 3 | 20 | 99.783 | 99.782 | -0.001 |
| 3 | 21 | 99.787 | 99.786 | -0.001 |
| 3 | 22 | 99.786 | 99.785 | -0.001 |
| 3 | 23 | 99.784 | 99.783 | -0.001 |
| 3 | 24 | 99.785 | 99.784 | -0.001 |
| 5 | 25 | 99.784 | 99.783 | -0.001 |
| 5 | 26 | 99.783 | 99.782 | -0.001 |
| 5 | 27 | 99.786 | 99.785 | -0.001 |
| 5 | 28 | 99.787 | 99.786 | -0.001 |
| 5 | 29 | 99.784 | 99.783 | -0.001 |
| 10 | 30 | 99.783 | 99.781 | -0.002 |
| 10 | 31 | 99.787 | 99.785 | -0.002 |
| 10 | 32 | 99.785 | 99.784 | -0.001 |
| 10 | 33 | 99.786 | 99.785 | -0.001 |
| 10 | 34 | 99.786 | 99.785 | -0.001 |
| 15 | 35 | 99.784 | 99.782 | -0.002 |
| 15 | 36 | 99.785 | 99.783 | -0.002 |
| 15 | 37 | 99.785 | 99.783 | -0.002 |
| 15 | 38 | 99.787 | 99.786 | -0.001 |
| 15 | 39 | 99.786 | 99.784 | -0.002 |
| 30 | 40 | 99.786 | 99.786 | 0.000 |
| 30 | 41 | 99.785 | 99.784 | -0.001 |
| 30 | 42 | 99.785 | 99.784 | -0.001 |
| 30 | 43 | 99.786 | 99.785 | -0.001 |
| 30 | 44 | 99.783 | 99.782 | -0.001 |
| 35 | 45 | 99.785 | 99.783 | -0.002 |
| 35 | 46 | 99.783 | 99.782 | -0.001 |
| 35 | 47 | 99.786 | 99.785 | -0.001 |
| 35 | 48 | 99.784 | 99.783 | -0.001 |
| 35 | 49 | 99.783 | 99.782 | -0.001 |
| 50 | 50 | 99.783 | 99.782 | -0.001 |
| 50 | 51 | 99.784 | 99.784 | 0.000 |
| 50 | 52 | 99.784 | 99.782 | -0.002 |
| 50 | 53 | 99.786 | 99.784 | -0.002 |
| 50 | 54 | 99.785 | 99.784 | -0.001 |
| 55 | 55 | 99.784 | 99.783 | -0.001 |
| 55 | 56 | 99.785 | 99.784 | -0.001 |
| 55 | 57 | 99.786 | 99.785 | -0.001 |
| 55 | 58 | 99.785 | 99.782 | -0.003 |
| 55 | 59 | 99.786 | 99.784 | -0.002 |
| 100 | 60 | 99.785 | 99.784 | -0.001 |
| 100 | 61 | 99.782 | 99.781 | -0.001 |
| 100 | 62 | 99.782 | 99.781 | -0.001 |
| 100 | 63 | 99.785 | 99.784 | -0.001 |
| 100 | 64 | 99.783 | 99.783 | 0.000 |
| 105 | 65 | 99.784 | 99.783 | -0.001 |
| 105 | 66 | 99.784 | 99.782 | -0.002 |
| 105 | 67 | 99.784 | 99.782 | -0.002 |
| 105 | 68 | 99.783 | 99.782 | -0.001 |
| 105 | 69 | 99.783 | 99.782 | -0.001 |
| | Max | 99.787 | 99.786 | 0.000 |
| | Average | 99.785 | 99.783 | -0.001 |
| | Min | 99.782 | 99.781 | -0.003 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.42_OH_2mA_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.782 | 99.782 | 99.782 | 99.781 | 99.782 | 99.782 | 99.782 | 99.782 | 99.782 | 99.781 | 99.782 |
| Average | 99.784 | 99.784 | 99.784 | 99.784 | 99.784 | 99.784 | 99.783 | 99.783 | 99.784 | 99.783 | 99.782 |
| Max | 99.785 | 99.786 | 99.786 | 99.785 | 99.786 | 99.786 | 99.785 | 99.784 | 99.785 | 99.784 | 99.783 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

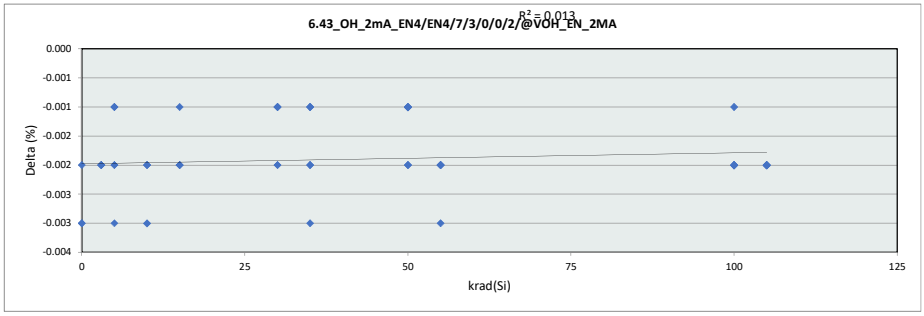


# TID HDR Report
# TPS7H3014-SP

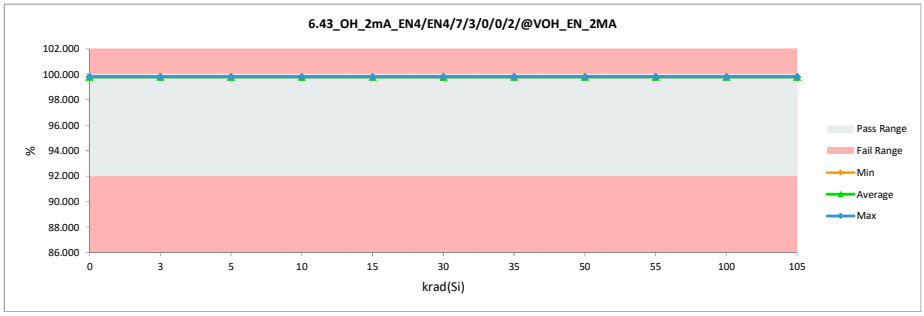
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.43_OH_2mA_EN4/EN4/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.804 | 99.801 | -0.003 |
| 0 | 14 | 99.802 | 99.800 | -0.002 |
| 0 | 15 | 99.804 | 99.801 | -0.003 |
| 3 | 20 | 99.802 | 99.800 | -0.002 |
| 3 | 21 | 99.805 | 99.803 | -0.002 |
| 3 | 22 | 99.804 | 99.802 | -0.002 |
| 3 | 23 | 99.802 | 99.800 | -0.002 |
| 3 | 24 | 99.804 | 99.802 | -0.002 |
| 5 | 25 | 99.802 | 99.800 | -0.002 |
| 5 | 26 | 99.800 | 99.799 | -0.001 |
| 5 | 27 | 99.804 | 99.803 | -0.001 |
| 5 | 28 | 99.805 | 99.802 | -0.003 |
| 5 | 29 | 99.802 | 99.800 | -0.002 |
| 10 | 30 | 99.801 | 99.798 | -0.003 |
| 10 | 31 | 99.805 | 99.802 | -0.003 |
| 10 | 32 | 99.804 | 99.802 | -0.002 |
| 10 | 33 | 99.803 | 99.801 | -0.002 |
| 10 | 34 | 99.805 | 99.803 | -0.002 |
| 15 | 35 | 99.801 | 99.800 | -0.001 |
| 15 | 36 | 99.803 | 99.801 | -0.002 |
| 15 | 37 | 99.802 | 99.800 | -0.002 |
| 15 | 38 | 99.805 | 99.803 | -0.002 |
| 15 | 39 | 99.803 | 99.801 | -0.002 |
| 30 | 40 | 99.804 | 99.802 | -0.002 |
| 30 | 41 | 99.802 | 99.801 | -0.001 |
| 30 | 42 | 99.802 | 99.801 | -0.001 |
| 30 | 43 | 99.803 | 99.802 | -0.001 |
| 30 | 44 | 99.801 | 99.799 | -0.002 |
| 35 | 45 | 99.803 | 99.800 | -0.003 |
| 35 | 46 | 99.801 | 99.799 | -0.002 |
| 35 | 47 | 99.804 | 99.802 | -0.002 |
| 35 | 48 | 99.802 | 99.801 | -0.001 |
| 35 | 49 | 99.801 | 99.800 | -0.001 |
| 50 | 50 | 99.799 | 99.798 | -0.001 |
| 50 | 51 | 99.802 | 99.801 | -0.001 |
| 50 | 52 | 99.801 | 99.800 | -0.001 |
| 50 | 53 | 99.804 | 99.802 | -0.002 |
| 50 | 54 | 99.803 | 99.801 | -0.002 |
| 55 | 55 | 99.802 | 99.800 | -0.002 |
| 55 | 56 | 99.803 | 99.801 | -0.002 |
| 55 | 57 | 99.804 | 99.802 | -0.002 |
| 55 | 58 | 99.802 | 99.799 | -0.003 |
| 55 | 59 | 99.804 | 99.802 | -0.002 |
| 100 | 60 | 99.803 | 99.801 | -0.002 |
| 100 | 61 | 99.800 | 99.798 | -0.002 |
| 100 | 62 | 99.801 | 99.799 | -0.002 |
| 100 | 63 | 99.803 | 99.801 | -0.002 |
| 100 | 64 | 99.801 | 99.800 | -0.001 |
| 105 | 65 | 99.802 | 99.800 | -0.002 |
| 105 | 66 | 99.802 | 99.800 | -0.002 |
| 105 | 67 | 99.801 | 99.799 | -0.002 |
| 105 | 68 | 99.802 | 99.800 | -0.002 |
| 105 | 69 | 99.800 | 99.798 | -0.002 |
| | Max | 99.805 | 99.803 | -0.001 |
| | Average | 99.803 | 99.801 | -0.002 |
| | Min | 99.799 | 99.798 | -0.003 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.43_OH_2mA_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.800 | 99.800 | 99.799 | 99.798 | 99.800 | 99.799 | 99.799 | 99.798 | 99.799 | 99.798 | 99.798 |
| Average | 99.801 | 99.801 | 99.801 | 99.801 | 99.801 | 99.801 | 99.800 | 99.800 | 99.801 | 99.800 | 99.799 |
| Max | 99.801 | 99.803 | 99.803 | 99.803 | 99.803 | 99.802 | 99.802 | 99.802 | 99.802 | 99.801 | 99.800 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

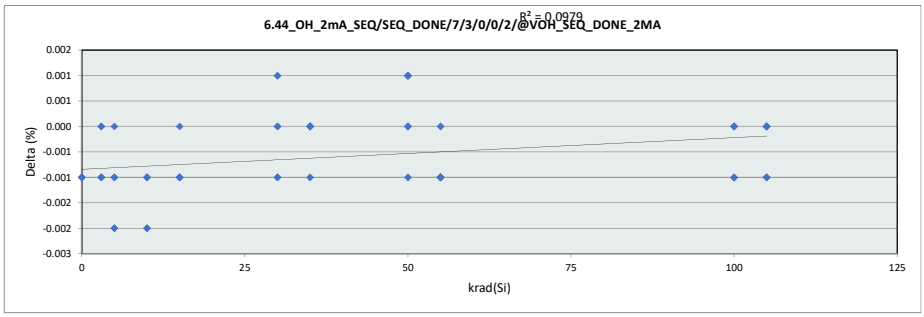


# TID HDR Report
# TPS7H3014-SP

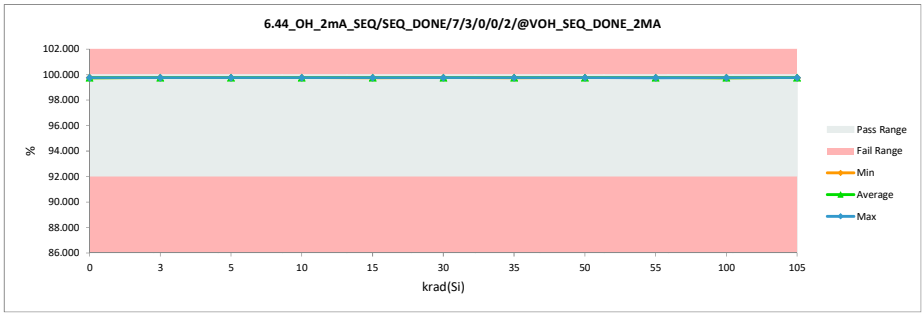
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.44_OH_2mA_SEQ/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.762 | 99.761 | -0.001 |
| 0 | 14 | 99.760 | 99.759 | -0.001 |
| 0 | 15 | 99.762 | 99.761 | -0.001 |
| 3 | 20 | 99.757 | 99.757 | 0.000 |
| 3 | 21 | 99.762 | 99.762 | 0.000 |
| 3 | 22 | 99.762 | 99.761 | -0.001 |
| 3 | 23 | 99.760 | 99.759 | -0.001 |
| 3 | 24 | 99.760 | 99.759 | -0.001 |
| 5 | 25 | 99.759 | 99.758 | -0.001 |
| 5 | 26 | 99.759 | 99.758 | -0.001 |
| 5 | 27 | 99.761 | 99.759 | -0.002 |
| 5 | 28 | 99.762 | 99.762 | 0.000 |
| 5 | 29 | 99.761 | 99.759 | -0.002 |
| 10 | 30 | 99.760 | 99.758 | -0.002 |
| 10 | 31 | 99.761 | 99.760 | -0.001 |
| 10 | 32 | 99.760 | 99.759 | -0.001 |
| 10 | 33 | 99.761 | 99.760 | -0.001 |
| 10 | 34 | 99.762 | 99.760 | -0.002 |
| 15 | 35 | 99.759 | 99.759 | 0.000 |
| 15 | 36 | 99.761 | 99.760 | -0.001 |
| 15 | 37 | 99.760 | 99.759 | -0.001 |
| 15 | 38 | 99.762 | 99.761 | -0.001 |
| 15 | 39 | 99.760 | 99.759 | -0.001 |
| 30 | 40 | 99.761 | 99.760 | -0.001 |
| 30 | 41 | 99.759 | 99.758 | -0.001 |
| 30 | 42 | 99.759 | 99.759 | 0.000 |
| 30 | 43 | 99.760 | 99.760 | 0.000 |
| 30 | 44 | 99.759 | 99.760 | 0.001 |
| 35 | 45 | 99.758 | 99.758 | 0.000 |
| 35 | 46 | 99.758 | 99.757 | -0.001 |
| 35 | 47 | 99.760 | 99.760 | 0.000 |
| 35 | 48 | 99.760 | 99.760 | 0.000 |
| 35 | 49 | 99.756 | 99.756 | 0.000 |
| 50 | 50 | 99.757 | 99.758 | 0.001 |
| 50 | 51 | 99.759 | 99.760 | 0.001 |
| 50 | 52 | 99.758 | 99.758 | 0.000 |
| 50 | 53 | 99.759 | 99.759 | 0.000 |
| 50 | 54 | 99.759 | 99.758 | -0.001 |
| 55 | 55 | 99.759 | 99.758 | -0.001 |
| 55 | 56 | 99.759 | 99.759 | 0.000 |
| 55 | 57 | 99.760 | 99.759 | -0.001 |
| 55 | 58 | 99.759 | 99.758 | -0.001 |
| 55 | 59 | 99.760 | 99.759 | -0.001 |
| 100 | 60 | 99.760 | 99.759 | -0.001 |
| 100 | 61 | 99.757 | 99.756 | -0.001 |
| 100 | 62 | 99.756 | 99.756 | 0.000 |
| 100 | 63 | 99.760 | 99.760 | 0.000 |
| 100 | 64 | 99.758 | 99.758 | 0.000 |
| 105 | 65 | 99.760 | 99.760 | 0.000 |
| 105 | 66 | 99.758 | 99.758 | 0.000 |
| 105 | 67 | 99.759 | 99.758 | -0.001 |
| 105 | 68 | 99.759 | 99.759 | 0.000 |
| 105 | 69 | 99.758 | 99.757 | -0.001 |
| | Max | 99.762 | 99.762 | 0.001 |
| | Average | 99.760 | 99.759 | -0.001 |
| | Min | 99.756 | 99.756 | -0.002 |
| | Std Dev | 0.002 | 0.001 | 0.001 |




| | 6.44_OH_2mA_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.759 | 99.757 | 99.758 | 99.758 | 99.759 | 99.758 | 99.756 | 99.758 | 99.758 | 99.756 | 99.757 |
| Average | 99.760 | 99.760 | 99.759 | 99.759 | 99.760 | 99.759 | 99.758 | 99.759 | 99.759 | 99.758 | 99.758 |
| Max | 99.761 | 99.762 | 99.762 | 99.760 | 99.761 | 99.760 | 99.760 | 99.760 | 99.759 | 99.760 | 99.760 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

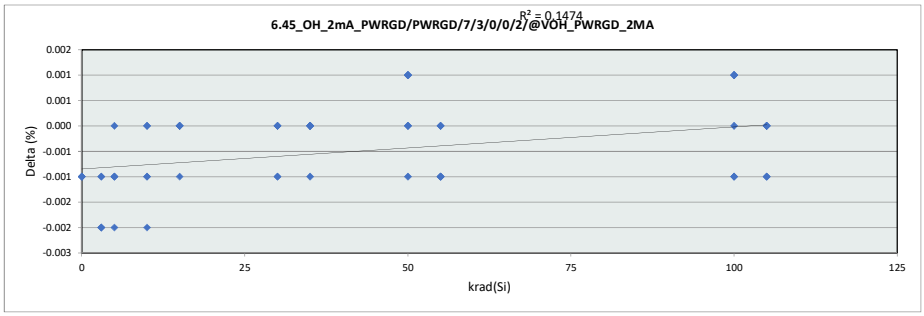


# TID HDR Report
# TPS7H3014-SP

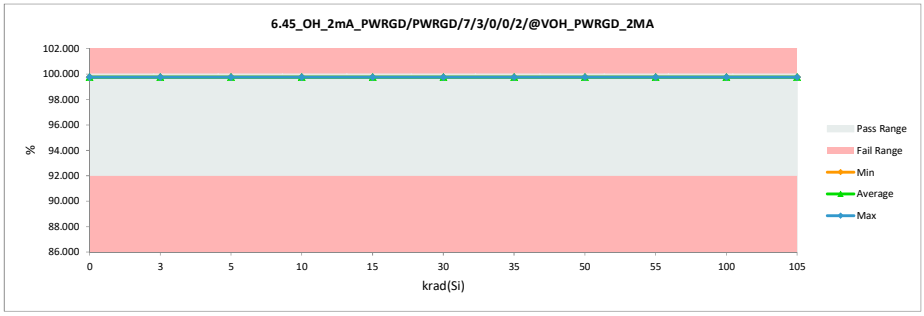
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.45_OH_2mA_PWRGD/PV | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.754 | 99.753 | -0.001 |
| 0 | 14 | 99.751 | 99.750 | -0.001 |
| 0 | 15 | 99.753 | 99.752 | -0.001 |
| 3 | 20 | 99.750 | 99.749 | -0.001 |
| 3 | 21 | 99.755 | 99.753 | -0.002 |
| 3 | 22 | 99.754 | 99.752 | -0.002 |
| 3 | 23 | 99.753 | 99.751 | -0.002 |
| 3 | 24 | 99.751 | 99.750 | -0.001 |
| 5 | 25 | 99.751 | 99.750 | -0.001 |
| 5 | 26 | 99.750 | 99.750 | 0.000 |
| 5 | 27 | 99.752 | 99.751 | -0.001 |
| 5 | 28 | 99.753 | 99.752 | -0.001 |
| 5 | 29 | 99.752 | 99.750 | -0.002 |
| 10 | 30 | 99.751 | 99.749 | -0.002 |
| 10 | 31 | 99.753 | 99.752 | -0.001 |
| 10 | 32 | 99.751 | 99.751 | 0.000 |
| 10 | 33 | 99.752 | 99.752 | 0.000 |
| 10 | 34 | 99.753 | 99.752 | -0.001 |
| 15 | 35 | 99.751 | 99.751 | 0.000 |
| 15 | 36 | 99.751 | 99.751 | 0.000 |
| 15 | 37 | 99.751 | 99.750 | -0.001 |
| 15 | 38 | 99.753 | 99.753 | 0.000 |
| 15 | 39 | 99.751 | 99.751 | 0.000 |
| 30 | 40 | 99.753 | 99.752 | -0.001 |
| 30 | 41 | 99.751 | 99.750 | -0.001 |
| 30 | 42 | 99.751 | 99.751 | 0.000 |
| 30 | 43 | 99.751 | 99.751 | 0.000 |
| 30 | 44 | 99.751 | 99.751 | 0.000 |
| 35 | 45 | 99.752 | 99.751 | -0.001 |
| 35 | 46 | 99.749 | 99.749 | 0.000 |
| 35 | 47 | 99.752 | 99.752 | 0.000 |
| 35 | 48 | 99.751 | 99.751 | 0.000 |
| 35 | 49 | 99.749 | 99.749 | 0.000 |
| 50 | 50 | 99.749 | 99.750 | 0.001 |
| 50 | 51 | 99.751 | 99.752 | 0.001 |
| 50 | 52 | 99.750 | 99.750 | 0.000 |
| 50 | 53 | 99.751 | 99.750 | -0.001 |
| 50 | 54 | 99.750 | 99.750 | 0.000 |
| 55 | 55 | 99.751 | 99.750 | -0.001 |
| 55 | 56 | 99.752 | 99.752 | 0.000 |
| 55 | 57 | 99.752 | 99.752 | 0.000 |
| 55 | 58 | 99.751 | 99.750 | -0.001 |
| 55 | 59 | 99.753 | 99.752 | -0.001 |
| 100 | 60 | 99.753 | 99.752 | -0.001 |
| 100 | 61 | 99.750 | 99.749 | -0.001 |
| 100 | 62 | 99.748 | 99.749 | 0.001 |
| 100 | 63 | 99.752 | 99.753 | 0.001 |
| 100 | 64 | 99.750 | 99.750 | 0.000 |
| 105 | 65 | 99.752 | 99.752 | 0.000 |
| 105 | 66 | 99.751 | 99.750 | -0.001 |
| 105 | 67 | 99.751 | 99.750 | -0.001 |
| 105 | 68 | 99.751 | 99.751 | 0.000 |
| 105 | 69 | 99.751 | 99.751 | 0.000 |
| | Max | 99.755 | 99.753 | 0.001 |
| | Average | 99.751 | 99.751 | -0.001 |
| | Min | 99.748 | 99.749 | -0.002 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.45_OH_2mA_PWRGD/I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.750 | 99.749 | 99.750 | 99.749 | 99.750 | 99.750 | 99.749 | 99.750 | 99.750 | 99.749 | 99.750 |
| Average | 99.752 | 99.751 | 99.751 | 99.751 | 99.751 | 99.751 | 99.750 | 99.750 | 99.751 | 99.751 | 99.751 |
| Max | 99.753 | 99.753 | 99.752 | 99.752 | 99.753 | 99.752 | 99.752 | 99.752 | 99.752 | 99.753 | 99.752 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

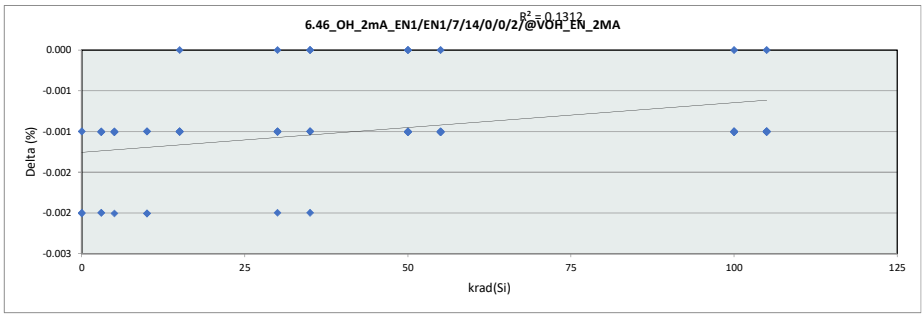


# TID HDR Report
# TPS7H3014-SP

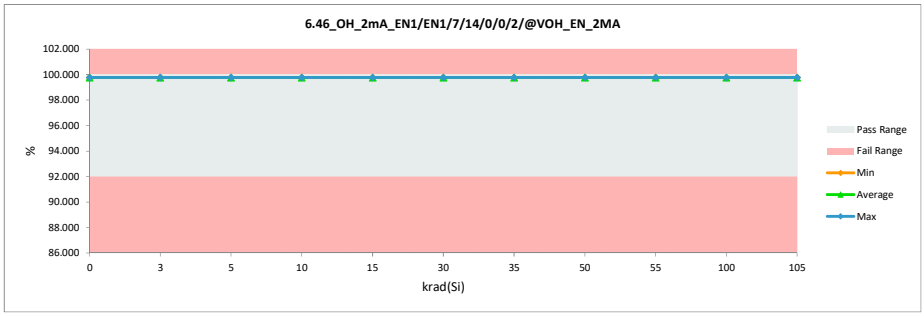
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.46_OH_2mA_EN1/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.773 | 99.771 | -0.002 |
| 0 | 14 | 99.771 | 99.769 | -0.002 |
| 0 | 15 | 99.772 | 99.771 | -0.001 |
| 3 | 20 | 99.770 | 99.769 | -0.001 |
| 3 | 21 | 99.773 | 99.771 | -0.002 |
| 3 | 22 | 99.771 | 99.770 | -0.001 |
| 3 | 23 | 99.770 | 99.768 | -0.002 |
| 3 | 24 | 99.771 | 99.770 | -0.001 |
| 5 | 25 | 99.771 | 99.770 | -0.001 |
| 5 | 26 | 99.770 | 99.769 | -0.001 |
| 5 | 27 | 99.771 | 99.770 | -0.001 |
| 5 | 28 | 99.771 | 99.769 | -0.002 |
| 5 | 29 | 99.771 | 99.770 | -0.001 |
| 10 | 30 | 99.770 | 99.769 | -0.001 |
| 10 | 31 | 99.772 | 99.770 | -0.002 |
| 10 | 32 | 99.771 | 99.769 | -0.002 |
| 10 | 33 | 99.770 | 99.769 | -0.001 |
| 10 | 34 | 99.772 | 99.770 | -0.002 |
| 15 | 35 | 99.769 | 99.769 | 0.000 |
| 15 | 36 | 99.772 | 99.771 | -0.001 |
| 15 | 37 | 99.771 | 99.770 | -0.001 |
| 15 | 38 | 99.773 | 99.772 | -0.001 |
| 15 | 39 | 99.770 | 99.769 | -0.001 |
| 30 | 40 | 99.772 | 99.771 | -0.001 |
| 30 | 41 | 99.770 | 99.768 | -0.002 |
| 30 | 42 | 99.770 | 99.769 | -0.001 |
| 30 | 43 | 99.771 | 99.770 | -0.001 |
| 30 | 44 | 99.769 | 99.769 | 0.000 |
| 35 | 45 | 99.770 | 99.769 | -0.001 |
| 35 | 46 | 99.770 | 99.768 | -0.002 |
| 35 | 47 | 99.771 | 99.771 | 0.000 |
| 35 | 48 | 99.768 | 99.768 | 0.000 |
| 35 | 49 | 99.770 | 99.769 | -0.001 |
| 50 | 50 | 99.769 | 99.769 | 0.000 |
| 50 | 51 | 99.771 | 99.770 | -0.001 |
| 50 | 52 | 99.769 | 99.769 | 0.000 |
| 50 | 53 | 99.769 | 99.768 | -0.001 |
| 50 | 54 | 99.771 | 99.770 | -0.001 |
| 55 | 55 | 99.769 | 99.768 | -0.001 |
| 55 | 56 | 99.771 | 99.770 | -0.001 |
| 55 | 57 | 99.771 | 99.770 | -0.001 |
| 55 | 58 | 99.769 | 99.769 | 0.000 |
| 55 | 59 | 99.771 | 99.770 | -0.001 |
| 100 | 60 | 99.771 | 99.770 | -0.001 |
| 100 | 61 | 99.769 | 99.768 | -0.001 |
| 100 | 62 | 99.769 | 99.768 | -0.001 |
| 100 | 63 | 99.771 | 99.770 | -0.001 |
| 100 | 64 | 99.769 | 99.769 | 0.000 |
| 105 | 65 | 99.771 | 99.770 | -0.001 |
| 105 | 66 | 99.769 | 99.768 | -0.001 |
| 105 | 67 | 99.769 | 99.769 | 0.000 |
| 105 | 68 | 99.769 | 99.768 | -0.001 |
| 105 | 69 | 99.770 | 99.769 | -0.001 |
| | Max | 99.773 | 99.772 | 0.000 |
| | Average | 99.770 | 99.769 | -0.001 |
| | Min | 99.768 | 99.768 | -0.002 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.46_OH_2mA_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.769 | 99.768 | 99.769 | 99.769 | 99.769 | 99.768 | 99.768 | 99.768 | 99.768 | 99.768 | 99.768 |
| Average | 99.770 | 99.770 | 99.770 | 99.769 | 99.770 | 99.769 | 99.769 | 99.769 | 99.769 | 99.769 | 99.769 |
| Max | 99.771 | 99.771 | 99.770 | 99.770 | 99.772 | 99.771 | 99.771 | 99.770 | 99.770 | 99.770 | 99.770 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

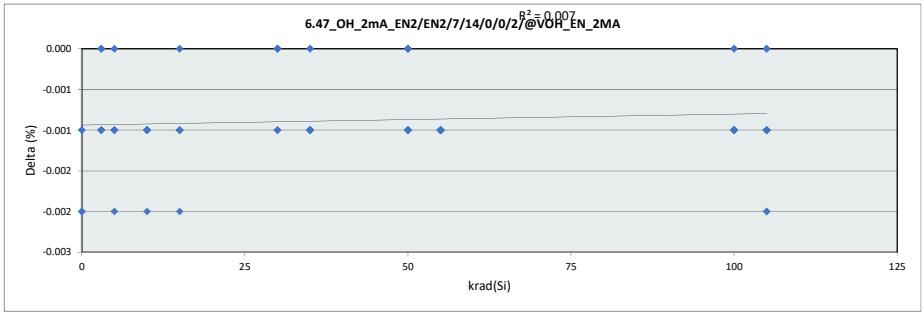


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

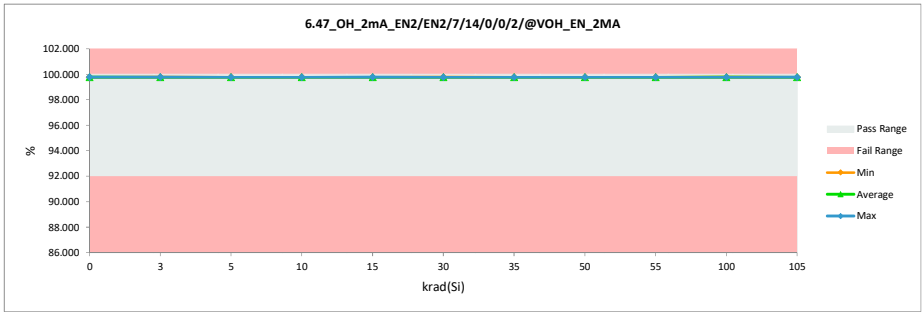
| | 6.47_OH_2mA_EN2/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.777 | 99.775 | -0.002 |
| 0 | 14 | 99.774 | 99.772 | -0.002 |
| 0 | 15 | 99.776 | 99.775 | -0.001 |
| 3 | 20 | 99.772 | 99.771 | -0.001 |
| 3 | 21 | 99.776 | 99.775 | -0.001 |
| 3 | 22 | 99.774 | 99.774 | 0.000 |
| 3 | 23 | 99.773 | 99.773 | 0.000 |
| 3 | 24 | 99.774 | 99.773 | -0.001 |
| 5 | 25 | 99.774 | 99.773 | -0.001 |
| 5 | 26 | 99.772 | 99.772 | 0.000 |
| 5 | 27 | 99.775 | 99.774 | -0.001 |
| 5 | 28 | 99.775 | 99.774 | -0.001 |
| 5 | 29 | 99.774 | 99.772 | -0.002 |
| 10 | 30 | 99.773 | 99.772 | -0.001 |
| 10 | 31 | 99.775 | 99.773 | -0.002 |
| 10 | 32 | 99.774 | 99.773 | -0.001 |
| 10 | 33 | 99.774 | 99.773 | -0.001 |
| 10 | 34 | 99.775 | 99.774 | -0.001 |
| 15 | 35 | 99.773 | 99.773 | 0.000 |
| 15 | 36 | 99.775 | 99.774 | -0.001 |
| 15 | 37 | 99.774 | 99.772 | -0.002 |
| 15 | 38 | 99.776 | 99.775 | -0.001 |
| 15 | 39 | 99.774 | 99.773 | -0.001 |
| 30 | 40 | 99.775 | 99.774 | -0.001 |
| 30 | 41 | 99.774 | 99.773 | -0.001 |
| 30 | 42 | 99.773 | 99.773 | 0.000 |
| 30 | 43 | 99.774 | 99.774 | 0.000 |
| 30 | 44 | 99.773 | 99.773 | 0.000 |
| 35 | 45 | 99.774 | 99.773 | -0.001 |
| 35 | 46 | 99.773 | 99.772 | -0.001 |
| 35 | 47 | 99.775 | 99.774 | -0.001 |
| 35 | 48 | 99.773 | 99.773 | 0.000 |
| 35 | 49 | 99.773 | 99.772 | -0.001 |
| 50 | 50 | 99.772 | 99.772 | 0.000 |
| 50 | 51 | 99.773 | 99.773 | 0.000 |
| 50 | 52 | 99.773 | 99.772 | -0.001 |
| 50 | 53 | 99.774 | 99.773 | -0.001 |
| 50 | 54 | 99.775 | 99.774 | -0.001 |
| 55 | 55 | 99.773 | 99.772 | -0.001 |
| 55 | 56 | 99.775 | 99.774 | -0.001 |
| 55 | 57 | 99.775 | 99.774 | -0.001 |
| 55 | 58 | 99.773 | 99.772 | -0.001 |
| 55 | 59 | 99.775 | 99.774 | -0.001 |
| 100 | 60 | 99.775 | 99.774 | -0.001 |
| 100 | 61 | 99.772 | 99.771 | -0.001 |
| 100 | 62 | 99.771 | 99.771 | 0.000 |
| 100 | 63 | 99.775 | 99.774 | -0.001 |
| 100 | 64 | 99.773 | 99.772 | -0.001 |
| 105 | 65 | 99.774 | 99.773 | -0.001 |
| 105 | 66 | 99.774 | 99.772 | -0.002 |
| 105 | 67 | 99.774 | 99.773 | -0.001 |
| 105 | 68 | 99.773 | 99.773 | 0.000 |
| 105 | 69 | 99.773 | 99.772 | -0.001 |
| | Max | 99.777 | 99.775 | 0.000 |
| | Average | 99.774 | 99.773 | -0.001 |
| | Min | 99.771 | 99.771 | -0.002 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.47_OH_2mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 100 | % |
| Min Limit | 92 | % |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.772 | 99.771 | 99.772 | 99.772 | 99.772 | 99.773 | 99.772 | 99.772 | 99.772 | 99.771 | 99.772 |
| Average | 99.774 | 99.773 | 99.773 | 99.773 | 99.773 | 99.773 | 99.773 | 99.773 | 99.773 | 99.772 | 99.773 |
| Max | 99.775 | 99.775 | 99.774 | 99.774 | 99.775 | 99.774 | 99.774 | 99.774 | 99.774 | 99.774 | 99.773 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

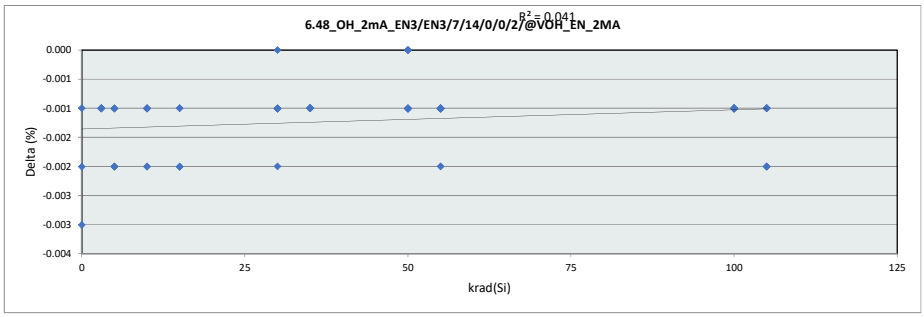


# TID HDR Report
# TPS7H3014-SP

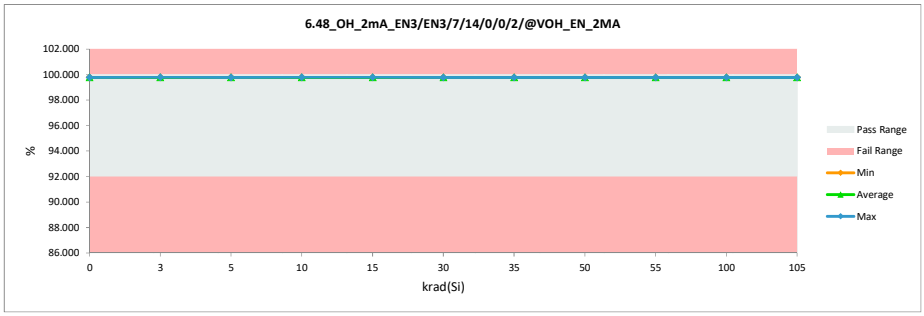
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.48_OH_2mA_EN3/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.786 | 99.784 | -0.002 |
| 0 | 14 | 99.785 | 99.782 | -0.003 |
| 0 | 15 | 99.786 | 99.785 | -0.001 |
| 3 | 20 | 99.783 | 99.782 | -0.001 |
| 3 | 21 | 99.787 | 99.786 | -0.001 |
| 3 | 22 | 99.786 | 99.785 | -0.001 |
| 3 | 23 | 99.783 | 99.782 | -0.001 |
| 3 | 24 | 99.785 | 99.784 | -0.001 |
| 5 | 25 | 99.785 | 99.783 | -0.002 |
| 5 | 26 | 99.783 | 99.782 | -0.001 |
| 5 | 27 | 99.785 | 99.784 | -0.001 |
| 5 | 28 | 99.787 | 99.785 | -0.002 |
| 5 | 29 | 99.785 | 99.783 | -0.002 |
| 10 | 30 | 99.783 | 99.781 | -0.002 |
| 10 | 31 | 99.787 | 99.786 | -0.001 |
| 10 | 32 | 99.785 | 99.784 | -0.001 |
| 10 | 33 | 99.786 | 99.784 | -0.002 |
| 10 | 34 | 99.786 | 99.785 | -0.001 |
| 15 | 35 | 99.783 | 99.782 | -0.001 |
| 15 | 36 | 99.785 | 99.783 | -0.002 |
| 15 | 37 | 99.785 | 99.783 | -0.002 |
| 15 | 38 | 99.787 | 99.786 | -0.001 |
| 15 | 39 | 99.786 | 99.784 | -0.002 |
| 30 | 40 | 99.787 | 99.785 | -0.002 |
| 30 | 41 | 99.785 | 99.784 | -0.001 |
| 30 | 42 | 99.785 | 99.784 | -0.001 |
| 30 | 43 | 99.786 | 99.785 | -0.001 |
| 30 | 44 | 99.782 | 99.782 | 0.000 |
| 35 | 45 | 99.784 | 99.783 | -0.001 |
| 35 | 46 | 99.783 | 99.782 | -0.001 |
| 35 | 47 | 99.786 | 99.785 | -0.001 |
| 35 | 48 | 99.784 | 99.783 | -0.001 |
| 35 | 49 | 99.783 | 99.782 | -0.001 |
| 50 | 50 | 99.782 | 99.782 | 0.000 |
| 50 | 51 | 99.784 | 99.784 | 0.000 |
| 50 | 52 | 99.783 | 99.782 | -0.001 |
| 50 | 53 | 99.785 | 99.784 | -0.001 |
| 50 | 54 | 99.785 | 99.784 | -0.001 |
| 55 | 55 | 99.784 | 99.783 | -0.001 |
| 55 | 56 | 99.785 | 99.784 | -0.001 |
| 55 | 57 | 99.786 | 99.785 | -0.001 |
| 55 | 58 | 99.784 | 99.782 | -0.002 |
| 55 | 59 | 99.785 | 99.784 | -0.001 |
| 100 | 60 | 99.785 | 99.784 | -0.001 |
| 100 | 61 | 99.782 | 99.781 | -0.001 |
| 100 | 62 | 99.782 | 99.781 | -0.001 |
| 100 | 63 | 99.785 | 99.784 | -0.001 |
| 100 | 64 | 99.784 | 99.783 | -0.001 |
| 105 | 65 | 99.785 | 99.783 | -0.002 |
| 105 | 66 | 99.784 | 99.782 | -0.002 |
| 105 | 67 | 99.783 | 99.782 | -0.001 |
| 105 | 68 | 99.783 | 99.782 | -0.001 |
| 105 | 69 | 99.783 | 99.782 | -0.001 |
| | Max | 99.787 | 99.786 | 0.000 |
| | Average | 99.785 | 99.783 | -0.001 |
| | Min | 99.782 | 99.781 | -0.003 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.48_OH_2mA_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.782 | 99.782 | 99.782 | 99.781 | 99.782 | 99.782 | 99.782 | 99.782 | 99.782 | 99.781 | 99.782 |
| Average | 99.784 | 99.784 | 99.783 | 99.784 | 99.784 | 99.784 | 99.783 | 99.783 | 99.784 | 99.783 | 99.782 |
| Max | 99.785 | 99.786 | 99.785 | 99.786 | 99.786 | 99.785 | 99.785 | 99.784 | 99.785 | 99.784 | 99.783 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

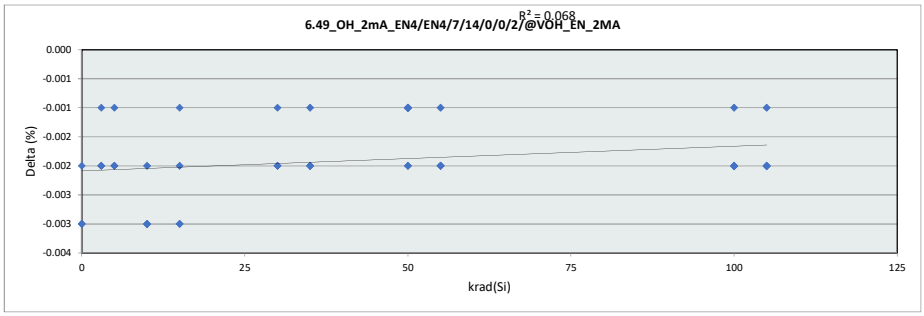


# TID HDR Report
# TPS7H3014-SP

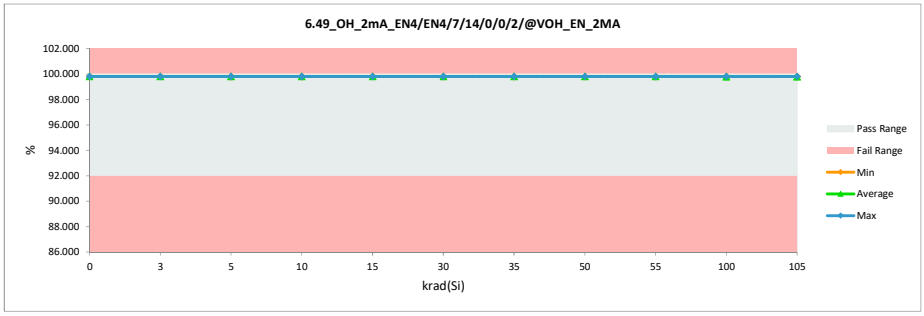
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.49_OH_2mA_EN4/EN4/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.804 | 99.801 | -0.003 |
| 0 | 14 | 99.802 | 99.799 | -0.003 |
| 0 | 15 | 99.803 | 99.801 | -0.002 |
| 3 | 20 | 99.802 | 99.800 | -0.002 |
| 3 | 21 | 99.805 | 99.803 | -0.002 |
| 3 | 22 | 99.804 | 99.802 | -0.002 |
| 3 | 23 | 99.801 | 99.800 | -0.001 |
| 3 | 24 | 99.804 | 99.802 | -0.002 |
| 5 | 25 | 99.802 | 99.800 | -0.002 |
| 5 | 26 | 99.800 | 99.799 | -0.001 |
| 5 | 27 | 99.804 | 99.802 | -0.002 |
| 5 | 28 | 99.804 | 99.802 | -0.002 |
| 5 | 29 | 99.802 | 99.800 | -0.002 |
| 10 | 30 | 99.801 | 99.798 | -0.003 |
| 10 | 31 | 99.805 | 99.802 | -0.003 |
| 10 | 32 | 99.804 | 99.802 | -0.002 |
| 10 | 33 | 99.803 | 99.801 | -0.002 |
| 10 | 34 | 99.805 | 99.802 | -0.003 |
| 15 | 35 | 99.801 | 99.800 | -0.001 |
| 15 | 36 | 99.803 | 99.800 | -0.003 |
| 15 | 37 | 99.802 | 99.800 | -0.002 |
| 15 | 38 | 99.805 | 99.803 | -0.002 |
| 15 | 39 | 99.804 | 99.801 | -0.003 |
| 30 | 40 | 99.804 | 99.802 | -0.002 |
| 30 | 41 | 99.802 | 99.800 | -0.002 |
| 30 | 42 | 99.802 | 99.800 | -0.002 |
| 30 | 43 | 99.803 | 99.802 | -0.001 |
| 30 | 44 | 99.801 | 99.799 | -0.002 |
| 35 | 45 | 99.802 | 99.800 | -0.002 |
| 35 | 46 | 99.801 | 99.799 | -0.002 |
| 35 | 47 | 99.804 | 99.802 | -0.002 |
| 35 | 48 | 99.802 | 99.801 | -0.001 |
| 35 | 49 | 99.801 | 99.799 | -0.002 |
| 50 | 50 | 99.799 | 99.798 | -0.001 |
| 50 | 51 | 99.802 | 99.801 | -0.001 |
| 50 | 52 | 99.801 | 99.800 | -0.001 |
| 50 | 53 | 99.804 | 99.802 | -0.002 |
| 50 | 54 | 99.802 | 99.800 | -0.002 |
| 55 | 55 | 99.801 | 99.800 | -0.001 |
| 55 | 56 | 99.803 | 99.801 | -0.002 |
| 55 | 57 | 99.804 | 99.802 | -0.002 |
| 55 | 58 | 99.801 | 99.799 | -0.002 |
| 55 | 59 | 99.804 | 99.802 | -0.002 |
| 100 | 60 | 99.803 | 99.801 | -0.002 |
| 100 | 61 | 99.800 | 99.798 | -0.002 |
| 100 | 62 | 99.801 | 99.799 | -0.002 |
| 100 | 63 | 99.803 | 99.801 | -0.002 |
| 100 | 64 | 99.801 | 99.800 | -0.001 |
| 105 | 65 | 99.802 | 99.800 | -0.002 |
| 105 | 66 | 99.802 | 99.800 | -0.002 |
| 105 | 67 | 99.801 | 99.799 | -0.002 |
| 105 | 68 | 99.801 | 99.800 | -0.001 |
| 105 | 69 | 99.800 | 99.798 | -0.002 |
| | Max | 99.805 | 99.803 | -0.001 |
| | Average | 99.802 | 99.800 | -0.002 |
| | Min | 99.799 | 99.798 | -0.003 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.49_OH_2mA_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.799 | 99.800 | 99.799 | 99.798 | 99.800 | 99.799 | 99.799 | 99.798 | 99.799 | 99.798 | 99.798 |
| Average | 99.800 | 99.801 | 99.801 | 99.801 | 99.801 | 99.801 | 99.800 | 99.800 | 99.801 | 99.800 | 99.799 |
| Max | 99.801 | 99.803 | 99.802 | 99.802 | 99.803 | 99.802 | 99.802 | 99.802 | 99.802 | 99.801 | 99.800 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

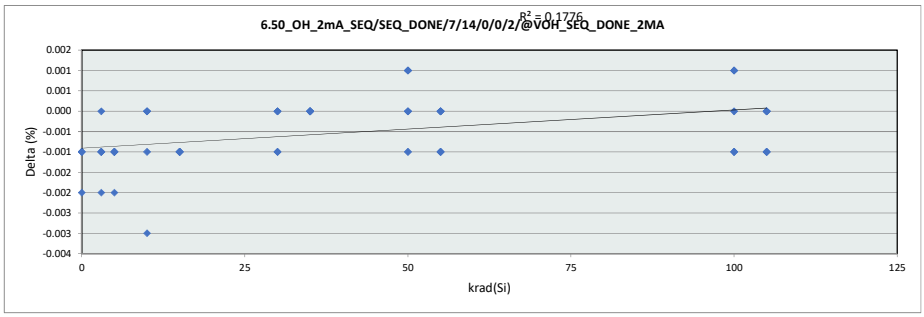


# TID HDR Report
# TPS7H3014-SP

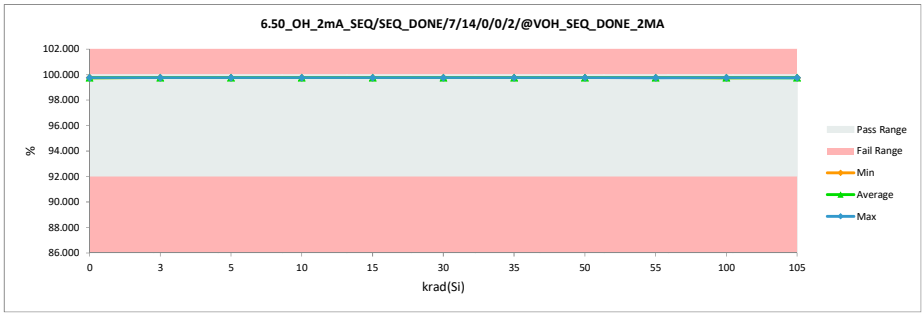
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.50_OH_2mA_SEQ/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.762 | 99.761 | -0.001 |
| 0 | 14 | 99.760 | 99.759 | -0.001 |
| 0 | 15 | 99.762 | 99.760 | -0.002 |
| 3 | 20 | 99.757 | 99.757 | 0.000 |
| 3 | 21 | 99.762 | 99.761 | -0.001 |
| 3 | 22 | 99.761 | 99.760 | -0.001 |
| 3 | 23 | 99.760 | 99.758 | -0.002 |
| 3 | 24 | 99.760 | 99.759 | -0.001 |
| 5 | 25 | 99.758 | 99.757 | -0.001 |
| 5 | 26 | 99.759 | 99.757 | -0.002 |
| 5 | 27 | 99.760 | 99.759 | -0.001 |
| 5 | 28 | 99.762 | 99.761 | -0.001 |
| 5 | 29 | 99.760 | 99.759 | -0.001 |
| 10 | 30 | 99.759 | 99.758 | -0.001 |
| 10 | 31 | 99.760 | 99.760 | 0.000 |
| 10 | 32 | 99.759 | 99.759 | 0.000 |
| 10 | 33 | 99.760 | 99.760 | 0.000 |
| 10 | 34 | 99.762 | 99.759 | -0.003 |
| 15 | 35 | 99.759 | 99.758 | -0.001 |
| 15 | 36 | 99.760 | 99.759 | -0.001 |
| 15 | 37 | 99.759 | 99.758 | -0.001 |
| 15 | 38 | 99.762 | 99.761 | -0.001 |
| 15 | 39 | 99.759 | 99.758 | -0.001 |
| 30 | 40 | 99.761 | 99.760 | -0.001 |
| 30 | 41 | 99.759 | 99.758 | -0.001 |
| 30 | 42 | 99.759 | 99.759 | 0.000 |
| 30 | 43 | 99.759 | 99.759 | 0.000 |
| 30 | 44 | 99.759 | 99.759 | 0.000 |
| 35 | 45 | 99.758 | 99.758 | 0.000 |
| 35 | 46 | 99.757 | 99.757 | 0.000 |
| 35 | 47 | 99.760 | 99.760 | 0.000 |
| 35 | 48 | 99.760 | 99.760 | 0.000 |
| 35 | 49 | 99.756 | 99.756 | 0.000 |
| 50 | 50 | 99.757 | 99.758 | 0.001 |
| 50 | 51 | 99.759 | 99.760 | 0.001 |
| 50 | 52 | 99.757 | 99.757 | 0.000 |
| 50 | 53 | 99.759 | 99.758 | -0.001 |
| 50 | 54 | 99.758 | 99.758 | 0.000 |
| 55 | 55 | 99.758 | 99.758 | 0.000 |
| 55 | 56 | 99.759 | 99.759 | 0.000 |
| 55 | 57 | 99.760 | 99.759 | -0.001 |
| 55 | 58 | 99.758 | 99.758 | 0.000 |
| 55 | 59 | 99.760 | 99.759 | -0.001 |
| 100 | 60 | 99.760 | 99.759 | -0.001 |
| 100 | 61 | 99.756 | 99.756 | 0.000 |
| 100 | 62 | 99.756 | 99.755 | -0.001 |
| 100 | 63 | 99.759 | 99.760 | 0.001 |
| 100 | 64 | 99.757 | 99.758 | 0.001 |
| 105 | 65 | 99.759 | 99.759 | 0.000 |
| 105 | 66 | 99.758 | 99.757 | -0.001 |
| 105 | 67 | 99.758 | 99.757 | -0.001 |
| 105 | 68 | 99.758 | 99.758 | 0.000 |
| 105 | 69 | 99.757 | 99.757 | 0.000 |
| | Max | 99.762 | 99.761 | 0.001 |
| | Average | 99.759 | 99.759 | -0.001 |
| | Min | 99.756 | 99.755 | -0.003 |
| | Std Dev | 0.002 | 0.001 | 0.001 |




| | 6.50_OH_2mA_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.759 | 99.757 | 99.757 | 99.758 | 99.758 | 99.758 | 99.756 | 99.757 | 99.758 | 99.755 | 99.757 |
| Average | 99.760 | 99.759 | 99.759 | 99.759 | 99.759 | 99.759 | 99.758 | 99.758 | 99.759 | 99.758 | 99.758 |
| Max | 99.761 | 99.761 | 99.761 | 99.760 | 99.761 | 99.760 | 99.760 | 99.760 | 99.759 | 99.760 | 99.759 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

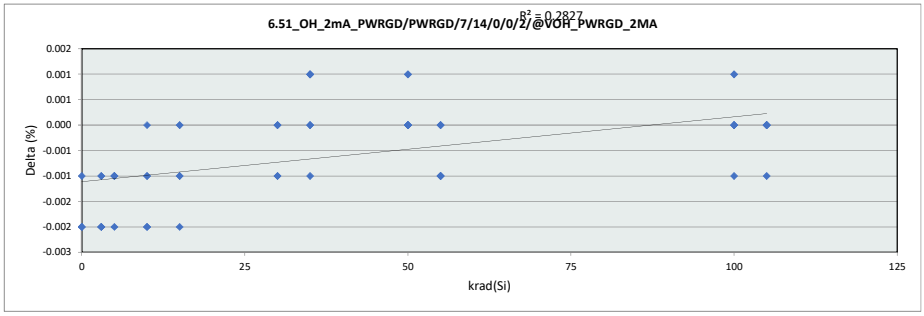


# TID HDR Report
# TPS7H3014-SP

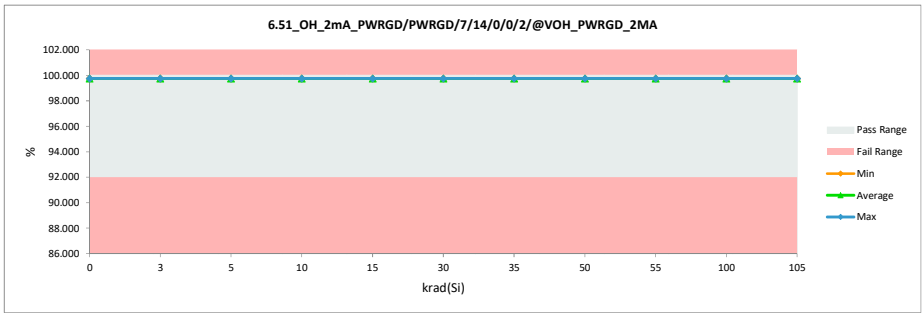
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.51_OH_2mA_PWRGD/PV | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 90 | 92 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.754 | 99.752 | -0.002 |
| 0 | 14 | 99.751 | 99.749 | -0.002 |
| 0 | 15 | 99.753 | 99.752 | -0.001 |
| 3 | 20 | 99.750 | 99.748 | -0.002 |
| 3 | 21 | 99.754 | 99.753 | -0.001 |
| 3 | 22 | 99.753 | 99.752 | -0.001 |
| 3 | 23 | 99.753 | 99.751 | -0.002 |
| 3 | 24 | 99.751 | 99.749 | -0.002 |
| 5 | 25 | 99.751 | 99.750 | -0.001 |
| 5 | 26 | 99.750 | 99.749 | -0.001 |
| 5 | 27 | 99.753 | 99.751 | -0.002 |
| 5 | 28 | 99.753 | 99.752 | -0.001 |
| 5 | 29 | 99.751 | 99.750 | -0.001 |
| 10 | 30 | 99.751 | 99.749 | -0.002 |
| 10 | 31 | 99.753 | 99.752 | -0.001 |
| 10 | 32 | 99.751 | 99.750 | -0.001 |
| 10 | 33 | 99.752 | 99.752 | 0.000 |
| 10 | 34 | 99.753 | 99.751 | -0.002 |
| 15 | 35 | 99.751 | 99.751 | 0.000 |
| 15 | 36 | 99.752 | 99.750 | -0.002 |
| 15 | 37 | 99.751 | 99.750 | -0.001 |
| 15 | 38 | 99.753 | 99.752 | -0.001 |
| 15 | 39 | 99.751 | 99.751 | 0.000 |
| 30 | 40 | 99.753 | 99.752 | -0.001 |
| 30 | 41 | 99.750 | 99.749 | -0.001 |
| 30 | 42 | 99.750 | 99.750 | 0.000 |
| 30 | 43 | 99.750 | 99.750 | 0.000 |
| 30 | 44 | 99.750 | 99.750 | 0.000 |
| 35 | 45 | 99.750 | 99.751 | 0.001 |
| 35 | 46 | 99.748 | 99.749 | 0.001 |
| 35 | 47 | 99.752 | 99.751 | -0.001 |
| 35 | 48 | 99.751 | 99.751 | 0.000 |
| 35 | 49 | 99.748 | 99.748 | 0.000 |
| 50 | 50 | 99.749 | 99.750 | 0.001 |
| 50 | 51 | 99.752 | 99.752 | 0.000 |
| 50 | 52 | 99.750 | 99.750 | 0.000 |
| 50 | 53 | 99.750 | 99.750 | 0.000 |
| 50 | 54 | 99.750 | 99.750 | 0.000 |
| 55 | 55 | 99.750 | 99.750 | 0.000 |
| 55 | 56 | 99.752 | 99.751 | -0.001 |
| 55 | 57 | 99.752 | 99.751 | -0.001 |
| 55 | 58 | 99.750 | 99.750 | 0.000 |
| 55 | 59 | 99.753 | 99.752 | -0.001 |
| 100 | 60 | 99.752 | 99.752 | 0.000 |
| 100 | 61 | 99.750 | 99.749 | -0.001 |
| 100 | 62 | 99.748 | 99.748 | 0.000 |
| 100 | 63 | 99.752 | 99.752 | 0.000 |
| 100 | 64 | 99.749 | 99.750 | 0.001 |
| 105 | 65 | 99.751 | 99.751 | 0.000 |
| 105 | 66 | 99.751 | 99.750 | -0.001 |
| 105 | 67 | 99.750 | 99.750 | 0.000 |
| 105 | 68 | 99.750 | 99.750 | 0.000 |
| 105 | 69 | 99.750 | 99.750 | 0.000 |
| | Max | 99.754 | 99.753 | 0.001 |
| | Average | 99.751 | 99.750 | -0.001 |
| | Min | 99.748 | 99.748 | -0.002 |
| | Std Dev | 0.001 | 0.001 | 0.001 |




| | 6.51_OH_2mA_PWRGD/I | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 92 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 | 92.000 |
| Min | 99.749 | 99.748 | 99.749 | 99.749 | 99.750 | 99.749 | 99.748 | 99.750 | 99.750 | 99.748 | 99.750 |
| Average | 99.751 | 99.751 | 99.750 | 99.751 | 99.751 | 99.750 | 99.750 | 99.750 | 99.751 | 99.750 | 99.750 |
| Max | 99.752 | 99.753 | 99.752 | 99.752 | 99.752 | 99.752 | 99.751 | 99.752 | 99.752 | 99.752 | 99.751 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

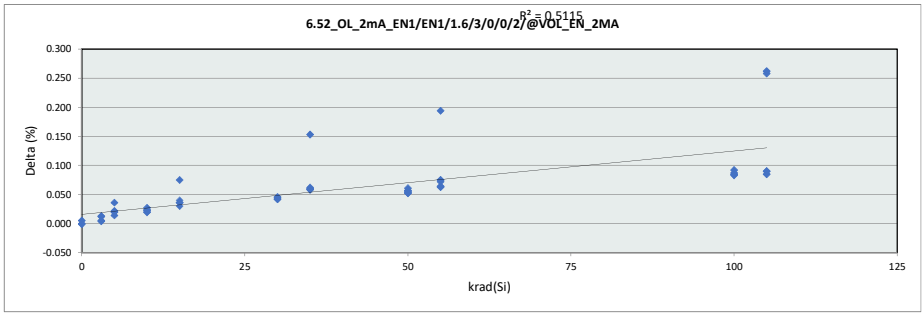


# TID HDR Report
# TPS7H3014-SP

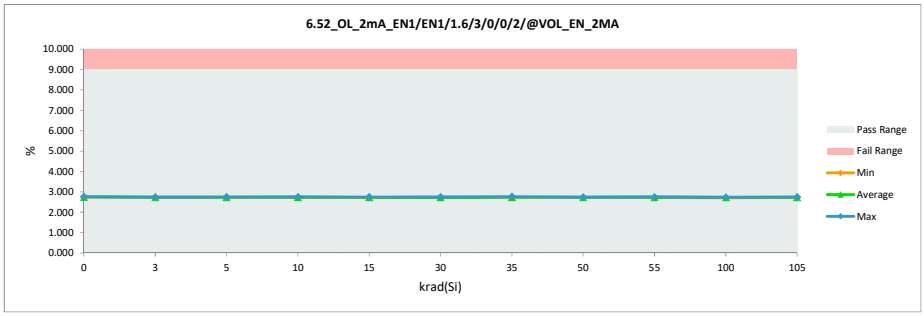
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.52_OL_2mA_EN1/EN1/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.760 | 2.759 | -0.001 |
| 0 | 14 | 2.746 | 2.746 | 0.000 |
| 0 | 15 | 2.736 | 2.741 | 0.005 |
| 3 | 20 | 2.722 | 2.726 | 0.004 |
| 3 | 21 | 2.732 | 2.737 | 0.005 |
| 3 | 22 | 2.718 | 2.730 | 0.012 |
| 3 | 23 | 2.726 | 2.738 | 0.012 |
| 3 | 24 | 2.717 | 2.730 | 0.013 |
| 5 | 25 | 2.722 | 2.736 | 0.014 |
| 5 | 26 | 2.728 | 2.748 | 0.020 |
| 5 | 27 | 2.695 | 2.731 | 0.036 |
| 5 | 28 | 2.712 | 2.732 | 0.020 |
| 5 | 29 | 2.716 | 2.738 | 0.022 |
| 10 | 30 | 2.730 | 2.753 | 0.023 |
| 10 | 31 | 2.698 | 2.718 | 0.020 |
| 10 | 32 | 2.697 | 2.716 | 0.019 |
| 10 | 33 | 2.725 | 2.748 | 0.023 |
| 10 | 34 | 2.699 | 2.726 | 0.027 |
| 15 | 35 | 2.707 | 2.737 | 0.030 |
| 15 | 36 | 2.657 | 2.732 | 0.075 |
| 15 | 37 | 2.685 | 2.725 | 0.040 |
| 15 | 38 | 2.684 | 2.720 | 0.036 |
| 15 | 39 | 2.707 | 2.743 | 0.036 |
| 30 | 40 | 2.674 | 2.720 | 0.046 |
| 30 | 41 | 2.674 | 2.719 | 0.045 |
| 30 | 42 | 2.680 | 2.722 | 0.042 |
| 30 | 43 | 2.676 | 2.718 | 0.042 |
| 30 | 44 | 2.712 | 2.756 | 0.044 |
| 35 | 45 | 2.684 | 2.746 | 0.062 |
| 35 | 46 | 2.582 | 2.735 | 0.153 |
| 35 | 47 | 2.670 | 2.728 | 0.058 |
| 35 | 48 | 2.702 | 2.761 | 0.059 |
| 35 | 49 | 2.667 | 2.727 | 0.060 |
| 50 | 50 | 2.674 | 2.726 | 0.052 |
| 50 | 51 | 2.676 | 2.731 | 0.055 |
| 50 | 52 | 2.685 | 2.738 | 0.053 |
| 50 | 53 | 2.680 | 2.737 | 0.057 |
| 50 | 54 | 2.673 | 2.734 | 0.061 |
| 55 | 55 | 2.665 | 2.729 | 0.064 |
| 55 | 56 | 2.555 | 2.749 | 0.194 |
| 55 | 57 | 2.650 | 2.713 | 0.063 |
| 55 | 58 | 2.678 | 2.753 | 0.075 |
| 55 | 59 | 2.662 | 2.734 | 0.072 |
| 100 | 60 | 2.649 | 2.736 | 0.087 |
| 100 | 61 | 2.637 | 2.729 | 0.092 |
| 100 | 62 | 2.647 | 2.730 | 0.083 |
| 100 | 63 | 2.630 | 2.715 | 0.085 |
| 100 | 64 | 2.651 | 2.735 | 0.084 |
| 105 | 65 | 2.631 | 2.716 | 0.085 |
| 105 | 66 | 2.648 | 2.738 | 0.090 |
| 105 | 67 | 2.470 | 2.732 | 0.262 |
| 105 | 68 | 2.482 | 2.740 | 0.258 |
| 105 | 69 | 2.649 | 2.739 | 0.090 |
| | Max | 2.760 | 2.761 | 0.262 |
| | Average | 2.676 | 2.734 | 0.058 |
| | Min | 2.470 | 2.713 | -0.001 |
| | Std Dev | 0.056 | 0.012 | 0.055 |




| | 6.52_OL_2mA_EN1/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.741 | 2.726 | 2.731 | 2.716 | 2.720 | 2.718 | 2.727 | 2.726 | 2.713 | 2.715 | 2.716 |
| Average | 2.749 | 2.732 | 2.737 | 2.732 | 2.731 | 2.727 | 2.739 | 2.733 | 2.736 | 2.729 | 2.733 |
| Max | 2.759 | 2.738 | 2.748 | 2.753 | 2.743 | 2.756 | 2.761 | 2.738 | 2.753 | 2.736 | 2.740 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

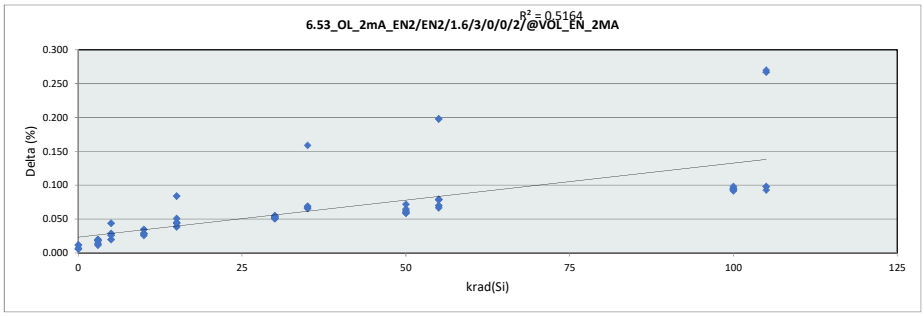


# TID HDR Report
# TPS7H3014-SP

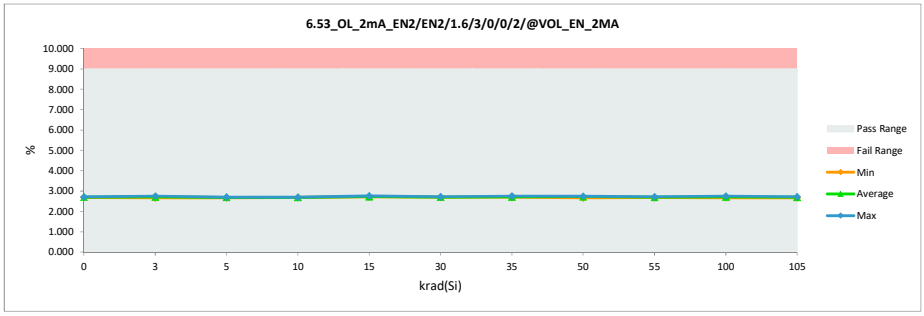
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.53_OL_2mA_EN2/EN2/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.703 | 2.709 | 0.006 |
| 0 | 14 | 2.709 | 2.716 | 0.007 |
| 0 | 15 | 2.677 | 2.689 | 0.012 |
| 3 | 20 | 2.740 | 2.752 | 0.012 |
| 3 | 21 | 2.690 | 2.704 | 0.014 |
| 3 | 22 | 2.650 | 2.668 | 0.018 |
| 3 | 23 | 2.671 | 2.690 | 0.019 |
| 3 | 24 | 2.721 | 2.741 | 0.020 |
| 5 | 25 | 2.665 | 2.685 | 0.020 |
| 5 | 26 | 2.664 | 2.690 | 0.026 |
| 5 | 27 | 2.659 | 2.703 | 0.044 |
| 5 | 28 | 2.642 | 2.671 | 0.029 |
| 5 | 29 | 2.666 | 2.694 | 0.028 |
| 10 | 30 | 2.661 | 2.690 | 0.029 |
| 10 | 31 | 2.662 | 2.688 | 0.026 |
| 10 | 32 | 2.670 | 2.698 | 0.028 |
| 10 | 33 | 2.651 | 2.680 | 0.029 |
| 10 | 34 | 2.654 | 2.689 | 0.035 |
| 15 | 35 | 2.700 | 2.739 | 0.039 |
| 15 | 36 | 2.648 | 2.732 | 0.084 |
| 15 | 37 | 2.710 | 2.761 | 0.051 |
| 15 | 38 | 2.673 | 2.718 | 0.045 |
| 15 | 39 | 2.666 | 2.710 | 0.044 |
| 30 | 40 | 2.642 | 2.697 | 0.055 |
| 30 | 41 | 2.664 | 2.718 | 0.054 |
| 30 | 42 | 2.644 | 2.695 | 0.051 |
| 30 | 43 | 2.661 | 2.712 | 0.051 |
| 30 | 44 | 2.660 | 2.713 | 0.053 |
| 35 | 45 | 2.633 | 2.701 | 0.068 |
| 35 | 46 | 2.556 | 2.715 | 0.159 |
| 35 | 47 | 2.648 | 2.714 | 0.066 |
| 35 | 48 | 2.629 | 2.695 | 0.066 |
| 35 | 49 | 2.687 | 2.756 | 0.069 |
| 50 | 50 | 2.662 | 2.721 | 0.059 |
| 50 | 51 | 2.608 | 2.667 | 0.059 |
| 50 | 52 | 2.676 | 2.738 | 0.062 |
| 50 | 53 | 2.652 | 2.717 | 0.065 |
| 50 | 54 | 2.674 | 2.746 | 0.072 |
| 55 | 55 | 2.648 | 2.718 | 0.070 |
| 55 | 56 | 2.503 | 2.701 | 0.198 |
| 55 | 57 | 2.615 | 2.682 | 0.067 |
| 55 | 58 | 2.623 | 2.702 | 0.079 |
| 55 | 59 | 2.622 | 2.701 | 0.079 |
| 100 | 60 | 2.587 | 2.681 | 0.094 |
| 100 | 61 | 2.613 | 2.711 | 0.098 |
| 100 | 62 | 2.660 | 2.755 | 0.095 |
| 100 | 63 | 2.582 | 2.674 | 0.092 |
| 100 | 64 | 2.657 | 2.752 | 0.095 |
| 105 | 65 | 2.578 | 2.671 | 0.093 |
| 105 | 66 | 2.621 | 2.719 | 0.098 |
| 105 | 67 | 2.419 | 2.686 | 0.267 |
| 105 | 68 | 2.439 | 2.709 | 0.270 |
| 105 | 69 | 2.597 | 2.695 | 0.098 |
| | Max | 2.740 | 2.761 | 0.270 |
| | Average | 2.642 | 2.707 | 0.065 |
| | Min | 2.419 | 2.667 | 0.006 |
| | Std Dev | 0.059 | 0.024 | 0.055 |




| | 6.53_OL_2mA_EN2/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.689 | 2.668 | 2.671 | 2.680 | 2.710 | 2.695 | 2.695 | 2.667 | 2.682 | 2.674 | 2.671 |
| Average | 2.705 | 2.711 | 2.689 | 2.689 | 2.732 | 2.707 | 2.716 | 2.718 | 2.701 | 2.715 | 2.696 |
| Max | 2.716 | 2.752 | 2.703 | 2.698 | 2.761 | 2.718 | 2.756 | 2.746 | 2.718 | 2.755 | 2.719 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

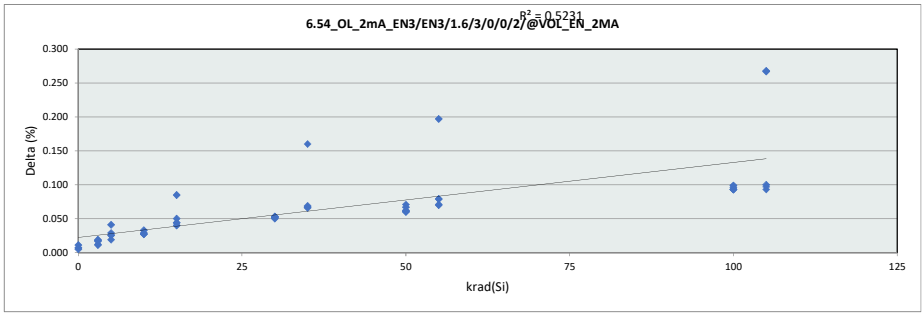


# TID HDR Report
# TPS7H3014-SP

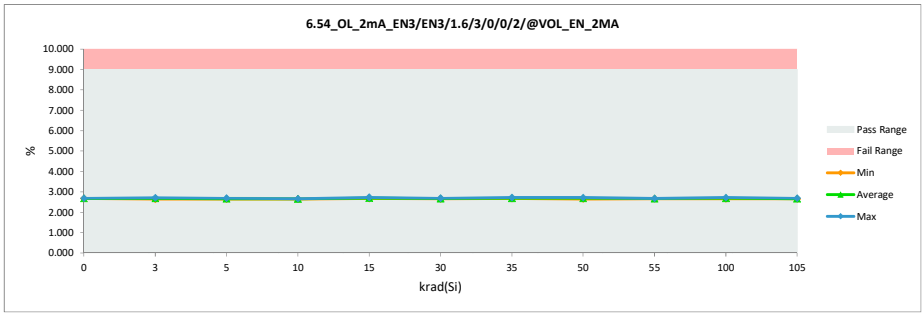
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.54_OL_2mA_EN3/EN3/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.667 | 2.672 | 0.005 |
| 0 | 14 | 2.677 | 2.684 | 0.007 |
| 0 | 15 | 2.665 | 2.676 | 0.011 |
| 3 | 20 | 2.698 | 2.709 | 0.011 |
| 3 | 21 | 2.658 | 2.670 | 0.012 |
| 3 | 22 | 2.618 | 2.636 | 0.018 |
| 3 | 23 | 2.654 | 2.671 | 0.017 |
| 3 | 24 | 2.690 | 2.709 | 0.019 |
| 5 | 25 | 2.643 | 2.662 | 0.019 |
| 5 | 26 | 2.629 | 2.654 | 0.025 |
| 5 | 27 | 2.621 | 2.662 | 0.041 |
| 5 | 28 | 2.621 | 2.647 | 0.026 |
| 5 | 29 | 2.654 | 2.683 | 0.029 |
| 10 | 30 | 2.630 | 2.658 | 0.028 |
| 10 | 31 | 2.635 | 2.662 | 0.027 |
| 10 | 32 | 2.624 | 2.651 | 0.027 |
| 10 | 33 | 2.625 | 2.654 | 0.029 |
| 10 | 34 | 2.611 | 2.644 | 0.033 |
| 15 | 35 | 2.661 | 2.701 | 0.040 |
| 15 | 36 | 2.609 | 2.694 | 0.085 |
| 15 | 37 | 2.674 | 2.724 | 0.050 |
| 15 | 38 | 2.628 | 2.672 | 0.044 |
| 15 | 39 | 2.636 | 2.680 | 0.044 |
| 30 | 40 | 2.615 | 2.668 | 0.053 |
| 30 | 41 | 2.631 | 2.684 | 0.053 |
| 30 | 42 | 2.600 | 2.652 | 0.052 |
| 30 | 43 | 2.617 | 2.667 | 0.050 |
| 30 | 44 | 2.633 | 2.685 | 0.052 |
| 35 | 45 | 2.600 | 2.668 | 0.068 |
| 35 | 46 | 2.520 | 2.680 | 0.160 |
| 35 | 47 | 2.610 | 2.677 | 0.067 |
| 35 | 48 | 2.599 | 2.665 | 0.066 |
| 35 | 49 | 2.652 | 2.721 | 0.069 |
| 50 | 50 | 2.621 | 2.681 | 0.060 |
| 50 | 51 | 2.583 | 2.644 | 0.061 |
| 50 | 52 | 2.640 | 2.702 | 0.062 |
| 50 | 53 | 2.618 | 2.685 | 0.067 |
| 50 | 54 | 2.645 | 2.716 | 0.071 |
| 55 | 55 | 2.609 | 2.679 | 0.070 |
| 55 | 56 | 2.475 | 2.672 | 0.197 |
| 55 | 57 | 2.586 | 2.657 | 0.071 |
| 55 | 58 | 2.588 | 2.667 | 0.079 |
| 55 | 59 | 2.586 | 2.665 | 0.079 |
| 100 | 60 | 2.558 | 2.651 | 0.093 |
| 100 | 61 | 2.579 | 2.678 | 0.099 |
| 100 | 62 | 2.616 | 2.709 | 0.093 |
| 100 | 63 | 2.570 | 2.663 | 0.093 |
| 100 | 64 | 2.619 | 2.715 | 0.096 |
| 105 | 65 | 2.556 | 2.649 | 0.093 |
| 105 | 66 | 2.588 | 2.688 | 0.100 |
| 105 | 67 | 2.395 | 2.663 | 0.268 |
| 105 | 68 | 2.390 | 2.657 | 0.267 |
| 105 | 69 | 2.560 | 2.657 | 0.097 |
| | Max | 2.698 | 2.724 | 0.268 |
| | Average | 2.609 | 2.674 | 0.065 |
| | Min | 2.390 | 2.636 | 0.005 |
| | Std Dev | 0.059 | 0.021 | 0.055 |




| | 6.54_OL_2mA_EN3/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.672 | 2.636 | 2.647 | 2.644 | 2.672 | 2.652 | 2.665 | 2.644 | 2.657 | 2.651 | 2.649 |
| Average | 2.677 | 2.679 | 2.662 | 2.654 | 2.694 | 2.671 | 2.682 | 2.686 | 2.668 | 2.683 | 2.663 |
| Max | 2.684 | 2.709 | 2.683 | 2.662 | 2.724 | 2.685 | 2.721 | 2.716 | 2.679 | 2.715 | 2.688 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

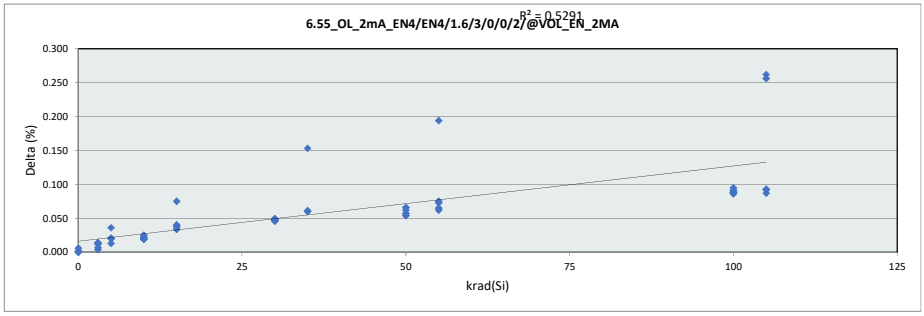


# TID HDR Report
# TPS7H3014-SP

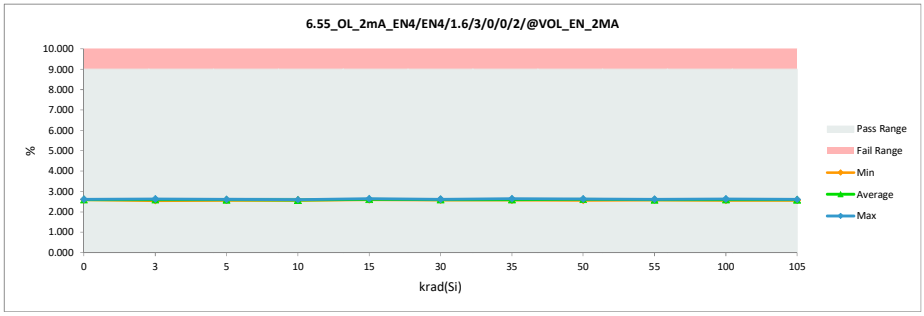
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.55_OL_2mA_EN4/EN4/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.592 | 2.592 | 0.000 |
| 0 | 14 | 2.616 | 2.618 | 0.002 |
| 0 | 15 | 2.592 | 2.598 | 0.006 |
| 3 | 20 | 2.632 | 2.636 | 0.004 |
| 3 | 21 | 2.583 | 2.590 | 0.007 |
| 3 | 22 | 2.539 | 2.551 | 0.012 |
| 3 | 23 | 2.581 | 2.594 | 0.013 |
| 3 | 24 | 2.615 | 2.629 | 0.014 |
| 5 | 25 | 2.584 | 2.597 | 0.013 |
| 5 | 26 | 2.571 | 2.591 | 0.020 |
| 5 | 27 | 2.545 | 2.581 | 0.036 |
| 5 | 28 | 2.550 | 2.570 | 0.020 |
| 5 | 29 | 2.587 | 2.608 | 0.021 |
| 10 | 30 | 2.562 | 2.583 | 0.021 |
| 10 | 31 | 2.577 | 2.597 | 0.020 |
| 10 | 32 | 2.546 | 2.565 | 0.019 |
| 10 | 33 | 2.556 | 2.578 | 0.022 |
| 10 | 34 | 2.540 | 2.565 | 0.025 |
| 15 | 35 | 2.584 | 2.618 | 0.034 |
| 15 | 36 | 2.566 | 2.641 | 0.075 |
| 15 | 37 | 2.604 | 2.644 | 0.040 |
| 15 | 38 | 2.559 | 2.597 | 0.038 |
| 15 | 39 | 2.555 | 2.593 | 0.038 |
| 30 | 40 | 2.536 | 2.585 | 0.049 |
| 30 | 41 | 2.557 | 2.606 | 0.049 |
| 30 | 42 | 2.548 | 2.594 | 0.046 |
| 30 | 43 | 2.550 | 2.597 | 0.047 |
| 30 | 44 | 2.567 | 2.614 | 0.047 |
| 35 | 45 | 2.513 | 2.573 | 0.060 |
| 35 | 46 | 2.462 | 2.615 | 0.153 |
| 35 | 47 | 2.533 | 2.594 | 0.061 |
| 35 | 48 | 2.530 | 2.591 | 0.061 |
| 35 | 49 | 2.581 | 2.641 | 0.060 |
| 50 | 50 | 2.554 | 2.608 | 0.054 |
| 50 | 51 | 2.505 | 2.559 | 0.054 |
| 50 | 52 | 2.574 | 2.631 | 0.057 |
| 50 | 53 | 2.543 | 2.605 | 0.062 |
| 50 | 54 | 2.569 | 2.635 | 0.066 |
| 55 | 55 | 2.555 | 2.620 | 0.065 |
| 55 | 56 | 2.398 | 2.592 | 0.194 |
| 55 | 57 | 2.520 | 2.582 | 0.062 |
| 55 | 58 | 2.524 | 2.599 | 0.075 |
| 55 | 59 | 2.512 | 2.585 | 0.073 |
| 100 | 60 | 2.485 | 2.573 | 0.088 |
| 100 | 61 | 2.517 | 2.612 | 0.095 |
| 100 | 62 | 2.542 | 2.630 | 0.088 |
| 100 | 63 | 2.476 | 2.562 | 0.086 |
| 100 | 64 | 2.542 | 2.633 | 0.091 |
| 105 | 65 | 2.483 | 2.570 | 0.087 |
| 105 | 66 | 2.516 | 2.609 | 0.093 |
| 105 | 67 | 2.331 | 2.593 | 0.262 |
| 105 | 68 | 2.328 | 2.584 | 0.256 |
| 105 | 69 | 2.504 | 2.596 | 0.092 |
| | Max | 2.632 | 2.644 | 0.262 |
| | Average | 2.539 | 2.599 | 0.059 |
| | Min | 2.328 | 2.551 | 0.000 |
| | Std Dev | 0.059 | 0.023 | 0.054 |




| | 6.55_OL_2mA_EN4/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.592 | 2.551 | 2.570 | 2.565 | 2.593 | 2.585 | 2.573 | 2.559 | 2.582 | 2.562 | 2.570 |
| Average | 2.603 | 2.600 | 2.589 | 2.578 | 2.619 | 2.599 | 2.603 | 2.608 | 2.596 | 2.602 | 2.590 |
| Max | 2.618 | 2.636 | 2.608 | 2.597 | 2.644 | 2.614 | 2.641 | 2.635 | 2.620 | 2.633 | 2.609 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

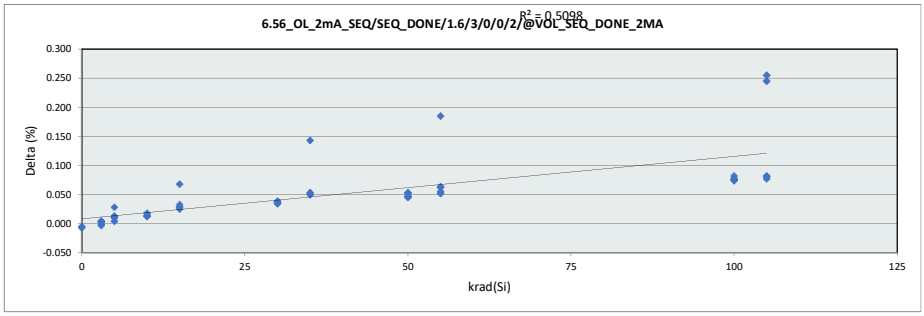


# TID HDR Report
# TPS7H3014-SP

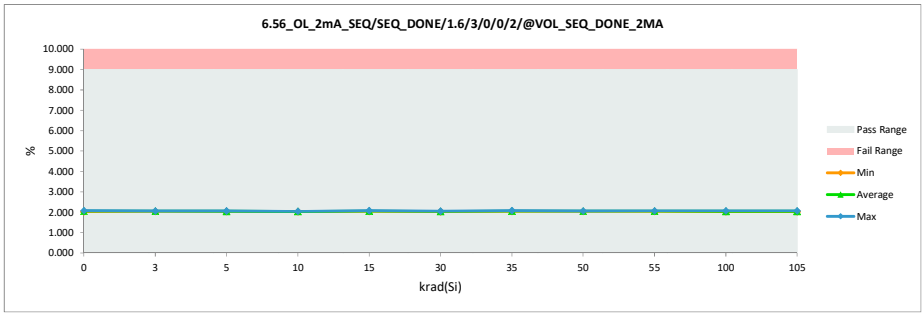
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.56_OL_2mA_SEQ/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.054 | 2.047 | -0.007 |
| 0 | 14 | 2.087 | 2.081 | -0.006 |
| 0 | 15 | 2.034 | 2.029 | -0.005 |
| 3 | 20 | 2.065 | 2.062 | -0.003 |
| 3 | 21 | 2.049 | 2.048 | -0.001 |
| 3 | 22 | 2.031 | 2.035 | 0.004 |
| 3 | 23 | 2.042 | 2.044 | 0.002 |
| 3 | 24 | 2.061 | 2.065 | 0.004 |
| 5 | 25 | 2.029 | 2.033 | 0.004 |
| 5 | 26 | 2.027 | 2.037 | 0.010 |
| 5 | 27 | 2.031 | 2.059 | 0.028 |
| 5 | 28 | 2.022 | 2.035 | 0.013 |
| 5 | 29 | 2.029 | 2.041 | 0.012 |
| 10 | 30 | 2.016 | 2.031 | 0.015 |
| 10 | 31 | 2.025 | 2.037 | 0.012 |
| 10 | 32 | 2.017 | 2.030 | 0.013 |
| 10 | 33 | 2.028 | 2.041 | 0.013 |
| 10 | 34 | 2.013 | 2.031 | 0.018 |
| 15 | 35 | 2.028 | 2.053 | 0.025 |
| 15 | 36 | 2.010 | 2.078 | 0.068 |
| 15 | 37 | 2.045 | 2.078 | 0.033 |
| 15 | 38 | 2.006 | 2.035 | 0.029 |
| 15 | 39 | 2.007 | 2.036 | 0.029 |
| 30 | 40 | 2.005 | 2.043 | 0.038 |
| 30 | 41 | 2.018 | 2.056 | 0.038 |
| 30 | 42 | 1.992 | 2.026 | 0.034 |
| 30 | 43 | 1.992 | 2.027 | 0.035 |
| 30 | 44 | 2.010 | 2.046 | 0.036 |
| 35 | 45 | 2.007 | 2.060 | 0.053 |
| 35 | 46 | 1.932 | 2.075 | 0.143 |
| 35 | 47 | 1.989 | 2.039 | 0.050 |
| 35 | 48 | 1.994 | 2.044 | 0.050 |
| 35 | 49 | 2.006 | 2.056 | 0.050 |
| 50 | 50 | 2.006 | 2.051 | 0.045 |
| 50 | 51 | 1.987 | 2.033 | 0.046 |
| 50 | 52 | 2.015 | 2.062 | 0.047 |
| 50 | 53 | 2.010 | 2.061 | 0.051 |
| 50 | 54 | 2.001 | 2.054 | 0.053 |
| 55 | 55 | 1.994 | 2.049 | 0.055 |
| 55 | 56 | 1.888 | 2.073 | 0.185 |
| 55 | 57 | 1.984 | 2.036 | 0.052 |
| 55 | 58 | 1.987 | 2.050 | 0.063 |
| 55 | 59 | 1.980 | 2.043 | 0.063 |
| 100 | 60 | 1.952 | 2.028 | 0.076 |
| 100 | 61 | 1.963 | 2.045 | 0.082 |
| 100 | 62 | 1.985 | 2.062 | 0.077 |
| 100 | 63 | 1.953 | 2.027 | 0.074 |
| 100 | 64 | 1.990 | 2.067 | 0.077 |
| 105 | 65 | 1.954 | 2.031 | 0.077 |
| 105 | 66 | 1.955 | 2.036 | 0.081 |
| 105 | 67 | 1.806 | 2.061 | 0.255 |
| 105 | 68 | 1.780 | 2.025 | 0.245 |
| 105 | 69 | 1.985 | 2.067 | 0.082 |
| | Max | 2.087 | 2.081 | 0.255 |
| | Average | 1.998 | 2.047 | 0.049 |
| | Min | 1.780 | 2.025 | -0.007 |
| | Std Dev | 0.054 | 0.015 | 0.054 |




| | 6.56_OL_2mA_SEQ/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.029 | 2.035 | 2.033 | 2.030 | 2.035 | 2.026 | 2.039 | 2.033 | 2.036 | 2.027 | 2.025 |
| Average | 2.052 | 2.051 | 2.041 | 2.034 | 2.056 | 2.040 | 2.055 | 2.052 | 2.050 | 2.046 | 2.044 |
| Max | 2.081 | 2.065 | 2.059 | 2.041 | 2.078 | 2.056 | 2.075 | 2.062 | 2.073 | 2.067 | 2.067 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

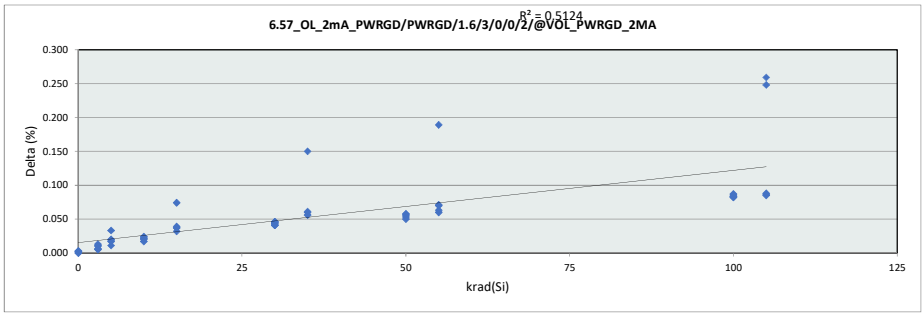


# TID HDR Report
# TPS7H3014-SP

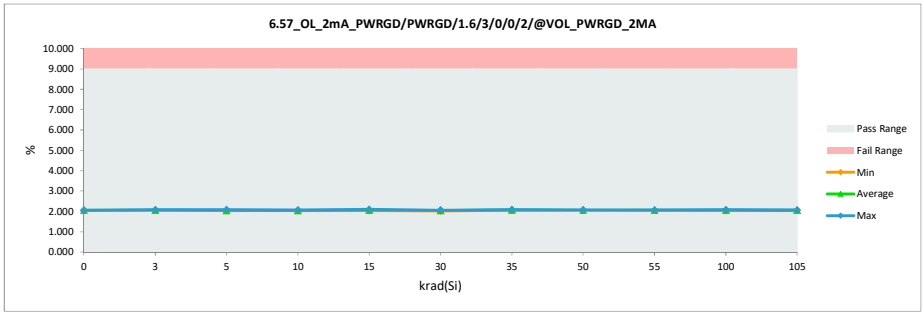
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.57_OL_2mA_PWRGD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.062 | 2.062 | 0.000 |
| 0 | 14 | 2.064 | 2.066 | 0.002 |
| 0 | 15 | 2.043 | 2.046 | 0.003 |
| 3 | 20 | 2.082 | 2.087 | 0.005 |
| 3 | 21 | 2.050 | 2.056 | 0.006 |
| 3 | 22 | 2.037 | 2.047 | 0.010 |
| 3 | 23 | 2.048 | 2.059 | 0.011 |
| 3 | 24 | 2.060 | 2.073 | 0.013 |
| 5 | 25 | 2.027 | 2.038 | 0.011 |
| 5 | 26 | 2.020 | 2.037 | 0.017 |
| 5 | 27 | 2.053 | 2.086 | 0.033 |
| 5 | 28 | 2.019 | 2.039 | 0.020 |
| 5 | 29 | 2.023 | 2.042 | 0.019 |
| 10 | 30 | 2.017 | 2.038 | 0.021 |
| 10 | 31 | 2.017 | 2.034 | 0.017 |
| 10 | 32 | 2.029 | 2.049 | 0.020 |
| 10 | 33 | 2.045 | 2.067 | 0.022 |
| 10 | 34 | 2.016 | 2.040 | 0.024 |
| 15 | 35 | 2.037 | 2.069 | 0.032 |
| 15 | 36 | 1.993 | 2.067 | 0.074 |
| 15 | 37 | 2.060 | 2.099 | 0.039 |
| 15 | 38 | 2.020 | 2.057 | 0.037 |
| 15 | 39 | 2.002 | 2.039 | 0.037 |
| 30 | 40 | 2.017 | 2.063 | 0.046 |
| 30 | 41 | 2.015 | 2.061 | 0.046 |
| 30 | 42 | 1.984 | 2.025 | 0.041 |
| 30 | 43 | 1.993 | 2.034 | 0.041 |
| 30 | 44 | 2.009 | 2.053 | 0.044 |
| 35 | 45 | 2.017 | 2.077 | 0.060 |
| 35 | 46 | 1.939 | 2.089 | 0.150 |
| 35 | 47 | 2.001 | 2.057 | 0.056 |
| 35 | 48 | 1.991 | 2.047 | 0.056 |
| 35 | 49 | 2.016 | 2.077 | 0.061 |
| 50 | 50 | 2.007 | 2.057 | 0.050 |
| 50 | 51 | 2.001 | 2.054 | 0.053 |
| 50 | 52 | 2.024 | 2.079 | 0.055 |
| 50 | 53 | 2.004 | 2.061 | 0.057 |
| 50 | 54 | 1.992 | 2.050 | 0.058 |
| 55 | 55 | 1.999 | 2.062 | 0.063 |
| 55 | 56 | 1.884 | 2.073 | 0.189 |
| 55 | 57 | 1.992 | 2.052 | 0.060 |
| 55 | 58 | 1.989 | 2.060 | 0.071 |
| 55 | 59 | 1.991 | 2.061 | 0.070 |
| 100 | 60 | 1.950 | 2.032 | 0.082 |
| 100 | 61 | 1.959 | 2.046 | 0.087 |
| 100 | 62 | 1.998 | 2.081 | 0.083 |
| 100 | 63 | 1.965 | 2.048 | 0.083 |
| 100 | 64 | 2.005 | 2.089 | 0.084 |
| 105 | 65 | 1.959 | 2.044 | 0.085 |
| 105 | 66 | 1.959 | 2.046 | 0.087 |
| 105 | 67 | 1.815 | 2.074 | 0.259 |
| 105 | 68 | 1.787 | 2.035 | 0.248 |
| 105 | 69 | 1.978 | 2.066 | 0.088 |
| | Max | 2.082 | 2.099 | 0.259 |
| | Average | 2.001 | 2.058 | 0.056 |
| | Min | 1.787 | 2.025 | 0.000 |
| | Std Dev | 0.053 | 0.017 | 0.053 |




| | 6.57_OL_2mA_PWRGD/F | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.046 | 2.047 | 2.037 | 2.034 | 2.039 | 2.025 | 2.047 | 2.050 | 2.052 | 2.032 | 2.035 |
| Average | 2.058 | 2.064 | 2.048 | 2.046 | 2.066 | 2.047 | 2.069 | 2.060 | 2.062 | 2.059 | 2.053 |
| Max | 2.066 | 2.087 | 2.086 | 2.067 | 2.099 | 2.063 | 2.089 | 2.079 | 2.073 | 2.089 | 2.074 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

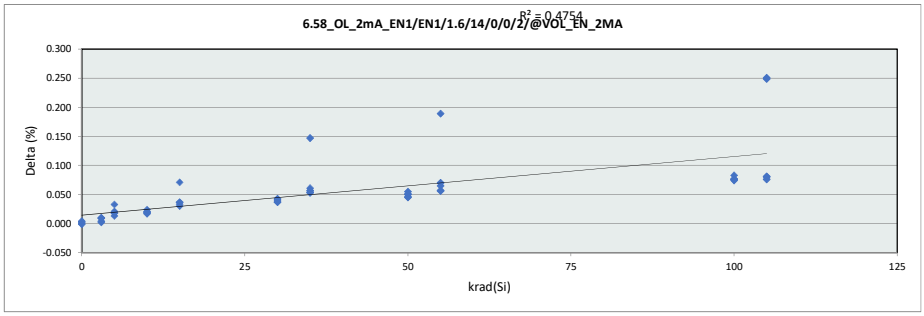


# TID HDR Report
# TPS7H3014-SP

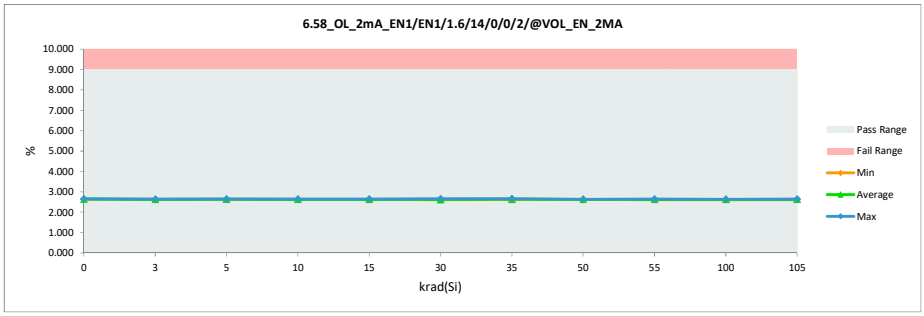
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.58_OL_2mA_EN1/EN1/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.657 | 2.656 | -0.001 |
| 0 | 14 | 2.645 | 2.646 | 0.001 |
| 0 | 15 | 2.633 | 2.637 | 0.004 |
| 3 | 20 | 2.624 | 2.626 | 0.002 |
| 3 | 21 | 2.632 | 2.636 | 0.004 |
| 3 | 22 | 2.613 | 2.622 | 0.009 |
| 3 | 23 | 2.623 | 2.632 | 0.009 |
| 3 | 24 | 2.614 | 2.624 | 0.010 |
| 5 | 25 | 2.621 | 2.634 | 0.013 |
| 5 | 26 | 2.625 | 2.643 | 0.018 |
| 5 | 27 | 2.602 | 2.635 | 0.033 |
| 5 | 28 | 2.613 | 2.631 | 0.018 |
| 5 | 29 | 2.611 | 2.632 | 0.021 |
| 10 | 30 | 2.630 | 2.650 | 0.020 |
| 10 | 31 | 2.603 | 2.621 | 0.018 |
| 10 | 32 | 2.605 | 2.622 | 0.017 |
| 10 | 33 | 2.621 | 2.641 | 0.020 |
| 10 | 34 | 2.603 | 2.627 | 0.024 |
| 15 | 35 | 2.606 | 2.636 | 0.030 |
| 15 | 36 | 2.557 | 2.628 | 0.071 |
| 15 | 37 | 2.588 | 2.624 | 0.036 |
| 15 | 38 | 2.587 | 2.620 | 0.033 |
| 15 | 39 | 2.610 | 2.647 | 0.037 |
| 30 | 40 | 2.578 | 2.618 | 0.040 |
| 30 | 41 | 2.572 | 2.615 | 0.043 |
| 30 | 42 | 2.582 | 2.619 | 0.037 |
| 30 | 43 | 2.582 | 2.619 | 0.037 |
| 30 | 44 | 2.612 | 2.654 | 0.042 |
| 35 | 45 | 2.583 | 2.644 | 0.061 |
| 35 | 46 | 2.489 | 2.636 | 0.147 |
| 35 | 47 | 2.577 | 2.631 | 0.054 |
| 35 | 48 | 2.604 | 2.661 | 0.057 |
| 35 | 49 | 2.571 | 2.624 | 0.053 |
| 50 | 50 | 2.576 | 2.621 | 0.045 |
| 50 | 51 | 2.577 | 2.627 | 0.050 |
| 50 | 52 | 2.589 | 2.635 | 0.046 |
| 50 | 53 | 2.583 | 2.634 | 0.051 |
| 50 | 54 | 2.575 | 2.630 | 0.055 |
| 55 | 55 | 2.568 | 2.624 | 0.056 |
| 55 | 56 | 2.455 | 2.644 | 0.189 |
| 55 | 57 | 2.557 | 2.614 | 0.057 |
| 55 | 58 | 2.578 | 2.648 | 0.070 |
| 55 | 59 | 2.567 | 2.632 | 0.065 |
| 100 | 60 | 2.554 | 2.630 | 0.076 |
| 100 | 61 | 2.543 | 2.626 | 0.083 |
| 100 | 62 | 2.558 | 2.632 | 0.074 |
| 100 | 63 | 2.536 | 2.612 | 0.076 |
| 100 | 64 | 2.558 | 2.635 | 0.077 |
| 105 | 65 | 2.536 | 2.612 | 0.076 |
| 105 | 66 | 2.563 | 2.644 | 0.081 |
| 105 | 67 | 2.379 | 2.630 | 0.251 |
| 105 | 68 | 2.393 | 2.642 | 0.249 |
| 105 | 69 | 2.551 | 2.631 | 0.080 |
| | Max | 2.657 | 2.661 | 0.251 |
| | Average | 2.579 | 2.632 | 0.053 |
| | Min | 2.379 | 2.612 | -0.001 |
| | Std Dev | 0.053 | 0.011 | 0.052 |




| | 6.58_OL_2mA_EN1/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.637 | 2.622 | 2.631 | 2.621 | 2.620 | 2.615 | 2.624 | 2.621 | 2.614 | 2.612 | 2.612 |
| Average | 2.646 | 2.628 | 2.635 | 2.632 | 2.631 | 2.625 | 2.639 | 2.629 | 2.632 | 2.627 | 2.632 |
| Max | 2.656 | 2.636 | 2.643 | 2.650 | 2.647 | 2.654 | 2.661 | 2.635 | 2.648 | 2.635 | 2.644 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

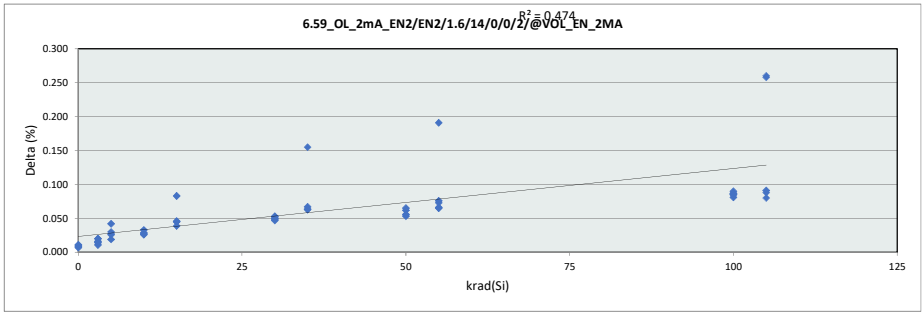


# TID HDR Report
# TPS7H3014-SP

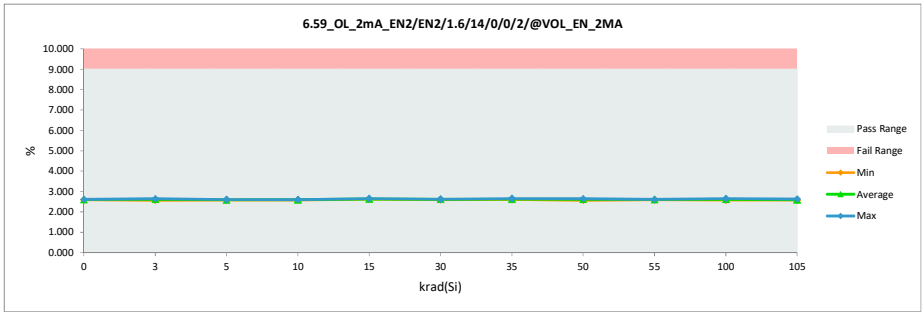
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.59_OL_2mA_EN2/EN2/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.603 | 2.610 | 0.007 |
| 0 | 14 | 2.607 | 2.616 | 0.009 |
| 0 | 15 | 2.581 | 2.592 | 0.011 |
| 3 | 20 | 2.637 | 2.648 | 0.011 |
| 3 | 21 | 2.592 | 2.606 | 0.014 |
| 3 | 22 | 2.549 | 2.565 | 0.016 |
| 3 | 23 | 2.571 | 2.591 | 0.020 |
| 3 | 24 | 2.615 | 2.635 | 0.020 |
| 5 | 25 | 2.566 | 2.585 | 0.019 |
| 5 | 26 | 2.564 | 2.590 | 0.026 |
| 5 | 27 | 2.565 | 2.607 | 0.042 |
| 5 | 28 | 2.550 | 2.577 | 0.027 |
| 5 | 29 | 2.564 | 2.594 | 0.030 |
| 10 | 30 | 2.565 | 2.594 | 0.029 |
| 10 | 31 | 2.567 | 2.593 | 0.026 |
| 10 | 32 | 2.576 | 2.603 | 0.027 |
| 10 | 33 | 2.553 | 2.580 | 0.027 |
| 10 | 34 | 2.559 | 2.592 | 0.033 |
| 15 | 35 | 2.598 | 2.637 | 0.039 |
| 15 | 36 | 2.547 | 2.630 | 0.083 |
| 15 | 37 | 2.609 | 2.655 | 0.046 |
| 15 | 38 | 2.576 | 2.621 | 0.045 |
| 15 | 39 | 2.574 | 2.619 | 0.045 |
| 30 | 40 | 2.550 | 2.602 | 0.052 |
| 30 | 41 | 2.562 | 2.615 | 0.053 |
| 30 | 42 | 2.550 | 2.597 | 0.047 |
| 30 | 43 | 2.568 | 2.617 | 0.049 |
| 30 | 44 | 2.567 | 2.617 | 0.050 |
| 35 | 45 | 2.534 | 2.601 | 0.067 |
| 35 | 46 | 2.464 | 2.619 | 0.155 |
| 35 | 47 | 2.554 | 2.618 | 0.064 |
| 35 | 48 | 2.541 | 2.604 | 0.063 |
| 35 | 49 | 2.587 | 2.650 | 0.063 |
| 50 | 50 | 2.563 | 2.619 | 0.056 |
| 50 | 51 | 2.514 | 2.567 | 0.053 |
| 50 | 52 | 2.579 | 2.634 | 0.055 |
| 50 | 53 | 2.558 | 2.620 | 0.062 |
| 50 | 54 | 2.577 | 2.642 | 0.065 |
| 55 | 55 | 2.550 | 2.616 | 0.066 |
| 55 | 56 | 2.405 | 2.596 | 0.191 |
| 55 | 57 | 2.526 | 2.591 | 0.065 |
| 55 | 58 | 2.525 | 2.601 | 0.076 |
| 55 | 59 | 2.530 | 2.603 | 0.073 |
| 100 | 60 | 2.497 | 2.582 | 0.085 |
| 100 | 61 | 2.519 | 2.609 | 0.090 |
| 100 | 62 | 2.568 | 2.655 | 0.087 |
| 100 | 63 | 2.491 | 2.572 | 0.081 |
| 100 | 64 | 2.563 | 2.649 | 0.086 |
| 105 | 65 | 2.489 | 2.569 | 0.080 |
| 105 | 66 | 2.538 | 2.629 | 0.091 |
| 105 | 67 | 2.331 | 2.589 | 0.258 |
| 105 | 68 | 2.354 | 2.614 | 0.260 |
| 105 | 69 | 2.501 | 2.589 | 0.088 |
| | Max | 2.637 | 2.655 | 0.260 |
| | Average | 2.546 | 2.608 | 0.062 |
| | Min | 2.331 | 2.565 | 0.007 |
| | Std Dev | 0.056 | 0.023 | 0.052 |




| | 6.59_OL_2mA_EN2/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.592 | 2.565 | 2.577 | 2.580 | 2.619 | 2.597 | 2.601 | 2.567 | 2.591 | 2.572 | 2.569 |
| Average | 2.606 | 2.609 | 2.591 | 2.592 | 2.632 | 2.610 | 2.618 | 2.616 | 2.601 | 2.613 | 2.598 |
| Max | 2.616 | 2.648 | 2.607 | 2.603 | 2.655 | 2.617 | 2.650 | 2.642 | 2.616 | 2.655 | 2.629 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

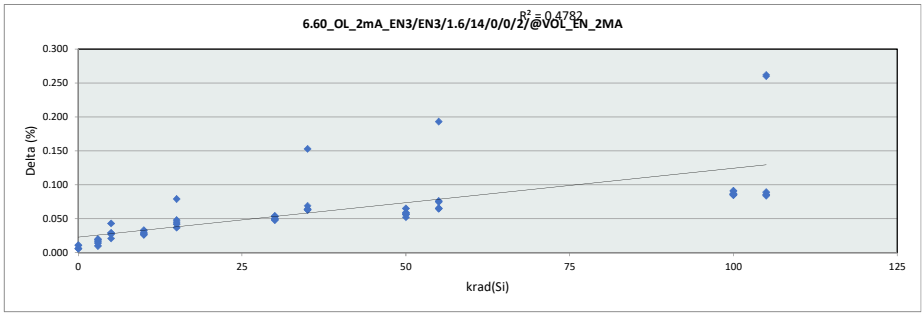


# TID HDR Report
# TPS7H3014-SP

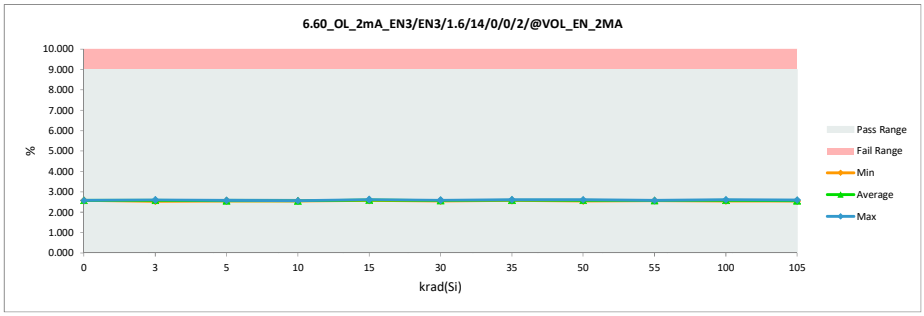
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.60_OL_2mA_EN3/EN3/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.566 | 2.572 | 0.006 |
| 0 | 14 | 2.575 | 2.581 | 0.006 |
| 0 | 15 | 2.566 | 2.577 | 0.011 |
| 3 | 20 | 2.595 | 2.605 | 0.010 |
| 3 | 21 | 2.559 | 2.573 | 0.014 |
| 3 | 22 | 2.517 | 2.537 | 0.020 |
| 3 | 23 | 2.552 | 2.571 | 0.019 |
| 3 | 24 | 2.582 | 2.599 | 0.017 |
| 5 | 25 | 2.544 | 2.565 | 0.021 |
| 5 | 26 | 2.529 | 2.556 | 0.027 |
| 5 | 27 | 2.525 | 2.568 | 0.043 |
| 5 | 28 | 2.527 | 2.556 | 0.029 |
| 5 | 29 | 2.550 | 2.579 | 0.029 |
| 10 | 30 | 2.534 | 2.562 | 0.028 |
| 10 | 31 | 2.539 | 2.565 | 0.026 |
| 10 | 32 | 2.531 | 2.558 | 0.027 |
| 10 | 33 | 2.525 | 2.555 | 0.030 |
| 10 | 34 | 2.517 | 2.550 | 0.033 |
| 15 | 35 | 2.559 | 2.596 | 0.037 |
| 15 | 36 | 2.508 | 2.587 | 0.079 |
| 15 | 37 | 2.572 | 2.620 | 0.048 |
| 15 | 38 | 2.531 | 2.576 | 0.045 |
| 15 | 39 | 2.544 | 2.586 | 0.042 |
| 30 | 40 | 2.520 | 2.574 | 0.054 |
| 30 | 41 | 2.528 | 2.581 | 0.053 |
| 30 | 42 | 2.507 | 2.556 | 0.049 |
| 30 | 43 | 2.525 | 2.575 | 0.050 |
| 30 | 44 | 2.538 | 2.586 | 0.048 |
| 35 | 45 | 2.501 | 2.570 | 0.069 |
| 35 | 46 | 2.429 | 2.582 | 0.153 |
| 35 | 47 | 2.516 | 2.579 | 0.063 |
| 35 | 48 | 2.511 | 2.575 | 0.064 |
| 35 | 49 | 2.552 | 2.615 | 0.063 |
| 50 | 50 | 2.523 | 2.579 | 0.056 |
| 50 | 51 | 2.487 | 2.544 | 0.057 |
| 50 | 52 | 2.543 | 2.595 | 0.052 |
| 50 | 53 | 2.526 | 2.585 | 0.059 |
| 50 | 54 | 2.546 | 2.611 | 0.065 |
| 55 | 55 | 2.513 | 2.578 | 0.065 |
| 55 | 56 | 2.375 | 2.568 | 0.193 |
| 55 | 57 | 2.497 | 2.562 | 0.065 |
| 55 | 58 | 2.491 | 2.567 | 0.076 |
| 55 | 59 | 2.494 | 2.569 | 0.075 |
| 100 | 60 | 2.468 | 2.555 | 0.087 |
| 100 | 61 | 2.485 | 2.576 | 0.091 |
| 100 | 62 | 2.524 | 2.610 | 0.086 |
| 100 | 63 | 2.476 | 2.561 | 0.085 |
| 100 | 64 | 2.524 | 2.610 | 0.086 |
| 105 | 65 | 2.465 | 2.549 | 0.084 |
| 105 | 66 | 2.505 | 2.594 | 0.089 |
| 105 | 67 | 2.304 | 2.566 | 0.262 |
| 105 | 68 | 2.305 | 2.565 | 0.260 |
| 105 | 69 | 2.465 | 2.551 | 0.086 |
| | Max | 2.595 | 2.620 | 0.262 |
| | Average | 2.513 | 2.575 | 0.062 |
| | Min | 2.304 | 2.537 | 0.006 |
| | Std Dev | 0.056 | 0.019 | 0.052 |




| | 6.60_OL_2mA_EN3/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.572 | 2.537 | 2.556 | 2.550 | 2.576 | 2.556 | 2.570 | 2.544 | 2.562 | 2.555 | 2.549 |
| Average | 2.577 | 2.577 | 2.565 | 2.558 | 2.593 | 2.574 | 2.584 | 2.583 | 2.569 | 2.582 | 2.565 |
| Max | 2.581 | 2.605 | 2.579 | 2.565 | 2.620 | 2.586 | 2.615 | 2.611 | 2.578 | 2.610 | 2.594 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

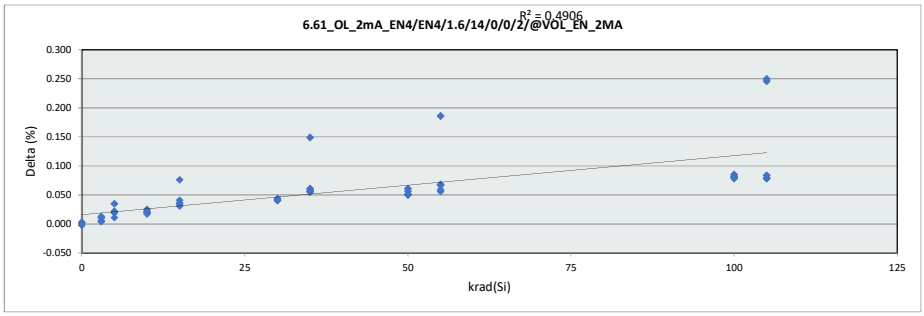


# TID HDR Report
# TPS7H3014-SP

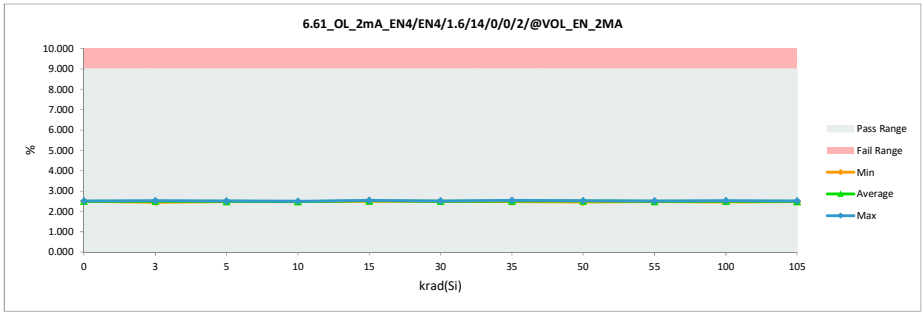
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.61_OL_2mA_EN4/EN4/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.493 | 2.491 | -0.002 |
| 0 | 14 | 2.514 | 2.516 | 0.002 |
| 0 | 15 | 2.494 | 2.497 | 0.003 |
| 3 | 20 | 2.530 | 2.534 | 0.004 |
| 3 | 21 | 2.484 | 2.489 | 0.005 |
| 3 | 22 | 2.439 | 2.452 | 0.013 |
| 3 | 23 | 2.480 | 2.490 | 0.010 |
| 3 | 24 | 2.510 | 2.522 | 0.012 |
| 5 | 25 | 2.484 | 2.495 | 0.011 |
| 5 | 26 | 2.470 | 2.489 | 0.019 |
| 5 | 27 | 2.450 | 2.485 | 0.035 |
| 5 | 28 | 2.457 | 2.479 | 0.022 |
| 5 | 29 | 2.483 | 2.504 | 0.021 |
| 10 | 30 | 2.465 | 2.485 | 0.020 |
| 10 | 31 | 2.480 | 2.497 | 0.017 |
| 10 | 32 | 2.453 | 2.473 | 0.020 |
| 10 | 33 | 2.456 | 2.478 | 0.022 |
| 10 | 34 | 2.446 | 2.471 | 0.025 |
| 15 | 35 | 2.484 | 2.515 | 0.031 |
| 15 | 36 | 2.462 | 2.538 | 0.076 |
| 15 | 37 | 2.502 | 2.543 | 0.041 |
| 15 | 38 | 2.462 | 2.497 | 0.035 |
| 15 | 39 | 2.464 | 2.500 | 0.036 |
| 30 | 40 | 2.445 | 2.488 | 0.043 |
| 30 | 41 | 2.456 | 2.500 | 0.044 |
| 30 | 42 | 2.453 | 2.493 | 0.040 |
| 30 | 43 | 2.456 | 2.497 | 0.041 |
| 30 | 44 | 2.472 | 2.515 | 0.043 |
| 35 | 45 | 2.416 | 2.477 | 0.061 |
| 35 | 46 | 2.367 | 2.516 | 0.149 |
| 35 | 47 | 2.440 | 2.496 | 0.056 |
| 35 | 48 | 2.442 | 2.497 | 0.055 |
| 35 | 49 | 2.481 | 2.539 | 0.058 |
| 50 | 50 | 2.456 | 2.507 | 0.051 |
| 50 | 51 | 2.410 | 2.460 | 0.050 |
| 50 | 52 | 2.478 | 2.529 | 0.051 |
| 50 | 53 | 2.451 | 2.507 | 0.056 |
| 50 | 54 | 2.471 | 2.532 | 0.061 |
| 55 | 55 | 2.458 | 2.517 | 0.059 |
| 55 | 56 | 2.300 | 2.486 | 0.186 |
| 55 | 57 | 2.431 | 2.487 | 0.056 |
| 55 | 58 | 2.427 | 2.495 | 0.068 |
| 55 | 59 | 2.420 | 2.487 | 0.067 |
| 100 | 60 | 2.395 | 2.476 | 0.081 |
| 100 | 61 | 2.423 | 2.508 | 0.085 |
| 100 | 62 | 2.451 | 2.531 | 0.080 |
| 100 | 63 | 2.385 | 2.463 | 0.078 |
| 100 | 64 | 2.449 | 2.531 | 0.082 |
| 105 | 65 | 2.393 | 2.471 | 0.078 |
| 105 | 66 | 2.434 | 2.518 | 0.084 |
| 105 | 67 | 2.241 | 2.491 | 0.250 |
| 105 | 68 | 2.243 | 2.489 | 0.246 |
| 105 | 69 | 2.407 | 2.486 | 0.079 |
| | Max | 2.530 | 2.543 | 0.250 |
| | Average | 2.444 | 2.499 | 0.055 |
| | Min | 2.241 | 2.452 | -0.002 |
| | Std Dev | 0.056 | 0.021 | 0.052 |




| | 6.61_OL_2mA_EN4/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.491 | 2.452 | 2.479 | 2.471 | 2.497 | 2.488 | 2.477 | 2.460 | 2.486 | 2.463 | 2.471 |
| Average | 2.501 | 2.497 | 2.490 | 2.481 | 2.519 | 2.499 | 2.505 | 2.507 | 2.494 | 2.502 | 2.491 |
| Max | 2.516 | 2.534 | 2.504 | 2.497 | 2.543 | 2.515 | 2.539 | 2.532 | 2.517 | 2.531 | 2.518 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

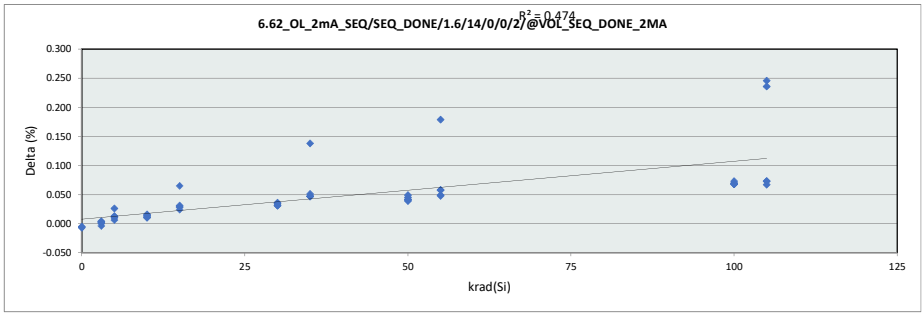


# TID HDR Report
# TPS7H3014-SP

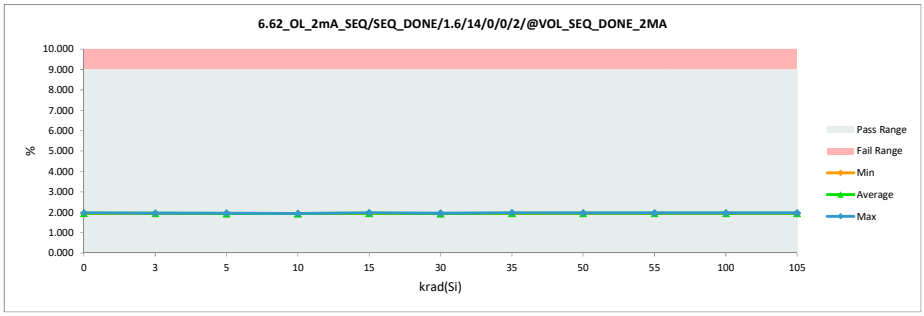
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.62_OL_2mA_SEQ/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.955 | 1.949 | -0.006 |
| 0 | 14 | 1.983 | 1.976 | -0.007 |
| 0 | 15 | 1.939 | 1.934 | -0.005 |
| 3 | 20 | 1.963 | 1.959 | -0.004 |
| 3 | 21 | 1.951 | 1.951 | 0.000 |
| 3 | 22 | 1.929 | 1.932 | 0.003 |
| 3 | 23 | 1.942 | 1.944 | 0.002 |
| 3 | 24 | 1.955 | 1.959 | 0.004 |
| 5 | 25 | 1.930 | 1.936 | 0.006 |
| 5 | 26 | 1.926 | 1.936 | 0.010 |
| 5 | 27 | 1.933 | 1.959 | 0.026 |
| 5 | 28 | 1.928 | 1.941 | 0.013 |
| 5 | 29 | 1.928 | 1.940 | 0.012 |
| 10 | 30 | 1.921 | 1.935 | 0.014 |
| 10 | 31 | 1.929 | 1.939 | 0.010 |
| 10 | 32 | 1.923 | 1.935 | 0.012 |
| 10 | 33 | 1.928 | 1.939 | 0.011 |
| 10 | 34 | 1.918 | 1.934 | 0.016 |
| 15 | 35 | 1.928 | 1.952 | 0.024 |
| 15 | 36 | 1.907 | 1.972 | 0.065 |
| 15 | 37 | 1.945 | 1.976 | 0.031 |
| 15 | 38 | 1.910 | 1.938 | 0.028 |
| 15 | 39 | 1.915 | 1.944 | 0.029 |
| 30 | 40 | 1.912 | 1.948 | 0.036 |
| 30 | 41 | 1.916 | 1.950 | 0.034 |
| 30 | 42 | 1.897 | 1.928 | 0.031 |
| 30 | 43 | 1.899 | 1.930 | 0.031 |
| 30 | 44 | 1.917 | 1.951 | 0.034 |
| 35 | 45 | 1.907 | 1.958 | 0.051 |
| 35 | 46 | 1.838 | 1.976 | 0.138 |
| 35 | 47 | 1.895 | 1.942 | 0.047 |
| 35 | 48 | 1.905 | 1.952 | 0.047 |
| 35 | 49 | 1.909 | 1.956 | 0.047 |
| 50 | 50 | 1.908 | 1.949 | 0.041 |
| 50 | 51 | 1.892 | 1.934 | 0.042 |
| 50 | 52 | 1.921 | 1.960 | 0.039 |
| 50 | 53 | 1.918 | 1.963 | 0.045 |
| 50 | 54 | 1.904 | 1.953 | 0.049 |
| 55 | 55 | 1.900 | 1.949 | 0.049 |
| 55 | 56 | 1.786 | 1.965 | 0.179 |
| 55 | 57 | 1.893 | 1.941 | 0.048 |
| 55 | 58 | 1.891 | 1.949 | 0.058 |
| 55 | 59 | 1.888 | 1.946 | 0.058 |
| 100 | 60 | 1.860 | 1.930 | 0.070 |
| 100 | 61 | 1.870 | 1.943 | 0.073 |
| 100 | 62 | 1.894 | 1.963 | 0.069 |
| 100 | 63 | 1.862 | 1.930 | 0.068 |
| 100 | 64 | 1.898 | 1.966 | 0.068 |
| 105 | 65 | 1.863 | 1.930 | 0.067 |
| 105 | 66 | 1.874 | 1.947 | 0.073 |
| 105 | 67 | 1.714 | 1.960 | 0.246 |
| 105 | 68 | 1.697 | 1.933 | 0.236 |
| 105 | 69 | 1.886 | 1.959 | 0.073 |
| | Max | 1.983 | 1.976 | 0.246 |
| | Average | 1.902 | 1.948 | 0.046 |
| | Min | 1.697 | 1.928 | -0.007 |
| | Std Dev | 0.051 | 0.013 | 0.052 |




| | 6.62_OL_2mA_SEQ/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 1.934 | 1.932 | 1.936 | 1.934 | 1.938 | 1.928 | 1.942 | 1.934 | 1.941 | 1.930 | 1.930 |
| Average | 1.953 | 1.949 | 1.942 | 1.936 | 1.956 | 1.941 | 1.957 | 1.952 | 1.950 | 1.946 | 1.946 |
| Max | 1.976 | 1.959 | 1.959 | 1.939 | 1.976 | 1.951 | 1.976 | 1.963 | 1.965 | 1.966 | 1.960 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

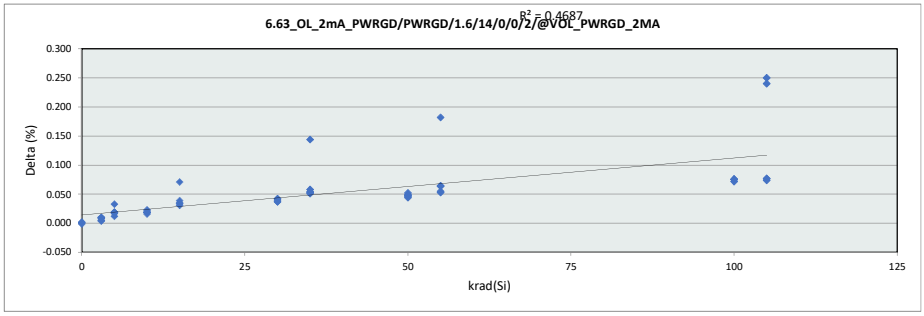


# TID HDR Report
# TPS7H3014-SP

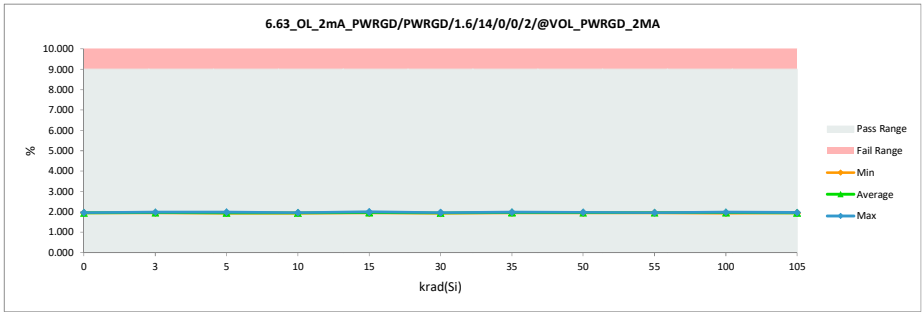
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.63_OL_2mA_PWRGD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.962 | 1.961 | -0.001 |
| 0 | 14 | 1.963 | 1.964 | 0.001 |
| 0 | 15 | 1.947 | 1.949 | 0.002 |
| 3 | 20 | 1.980 | 1.985 | 0.005 |
| 3 | 21 | 1.953 | 1.957 | 0.004 |
| 3 | 22 | 1.935 | 1.945 | 0.010 |
| 3 | 23 | 1.947 | 1.955 | 0.008 |
| 3 | 24 | 1.956 | 1.966 | 0.010 |
| 5 | 25 | 1.929 | 1.941 | 0.012 |
| 5 | 26 | 1.923 | 1.940 | 0.017 |
| 5 | 27 | 1.952 | 1.985 | 0.033 |
| 5 | 28 | 1.926 | 1.945 | 0.019 |
| 5 | 29 | 1.924 | 1.943 | 0.019 |
| 10 | 30 | 1.923 | 1.942 | 0.019 |
| 10 | 31 | 1.921 | 1.940 | 0.019 |
| 10 | 32 | 1.935 | 1.951 | 0.016 |
| 10 | 33 | 1.945 | 1.964 | 0.019 |
| 10 | 34 | 1.921 | 1.944 | 0.023 |
| 15 | 35 | 1.938 | 1.969 | 0.031 |
| 15 | 36 | 1.894 | 1.965 | 0.071 |
| 15 | 37 | 1.959 | 1.998 | 0.039 |
| 15 | 38 | 1.923 | 1.957 | 0.034 |
| 15 | 39 | 1.912 | 1.947 | 0.035 |
| 30 | 40 | 1.923 | 1.965 | 0.042 |
| 30 | 41 | 1.915 | 1.957 | 0.042 |
| 30 | 42 | 1.892 | 1.929 | 0.037 |
| 30 | 43 | 1.902 | 1.939 | 0.037 |
| 30 | 44 | 1.917 | 1.956 | 0.039 |
| 35 | 45 | 1.918 | 1.976 | 0.058 |
| 35 | 46 | 1.846 | 1.990 | 0.144 |
| 35 | 47 | 1.907 | 1.958 | 0.051 |
| 35 | 48 | 1.903 | 1.956 | 0.053 |
| 35 | 49 | 1.920 | 1.974 | 0.054 |
| 50 | 50 | 1.911 | 1.955 | 0.044 |
| 50 | 51 | 1.905 | 1.953 | 0.048 |
| 50 | 52 | 1.931 | 1.977 | 0.046 |
| 50 | 53 | 1.914 | 1.963 | 0.049 |
| 50 | 54 | 1.898 | 1.950 | 0.052 |
| 55 | 55 | 1.905 | 1.960 | 0.055 |
| 55 | 56 | 1.783 | 1.965 | 0.182 |
| 55 | 57 | 1.902 | 1.955 | 0.053 |
| 55 | 58 | 1.894 | 1.958 | 0.064 |
| 55 | 59 | 1.898 | 1.962 | 0.064 |
| 100 | 60 | 1.860 | 1.936 | 0.076 |
| 100 | 61 | 1.869 | 1.945 | 0.076 |
| 100 | 62 | 1.908 | 1.983 | 0.075 |
| 100 | 63 | 1.875 | 1.947 | 0.072 |
| 100 | 64 | 1.913 | 1.989 | 0.076 |
| 105 | 65 | 1.869 | 1.943 | 0.074 |
| 105 | 66 | 1.879 | 1.956 | 0.077 |
| 105 | 67 | 1.723 | 1.973 | 0.250 |
| 105 | 68 | 1.703 | 1.943 | 0.240 |
| 105 | 69 | 1.882 | 1.959 | 0.077 |
| | Max | 1.980 | 1.998 | 0.250 |
| | Average | 1.906 | 1.958 | 0.052 |
| | Min | 1.703 | 1.929 | -0.001 |
| | Std Dev | 0.051 | 0.015 | 0.051 |




| | 6.63_OL_2mA_PWRGD/F | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 1.949 | 1.945 | 1.940 | 1.940 | 1.947 | 1.929 | 1.956 | 1.950 | 1.955 | 1.936 | 1.943 |
| Average | 1.958 | 1.962 | 1.951 | 1.948 | 1.967 | 1.949 | 1.971 | 1.960 | 1.960 | 1.960 | 1.955 |
| Max | 1.964 | 1.985 | 1.985 | 1.964 | 1.998 | 1.965 | 1.990 | 1.977 | 1.965 | 1.989 | 1.973 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

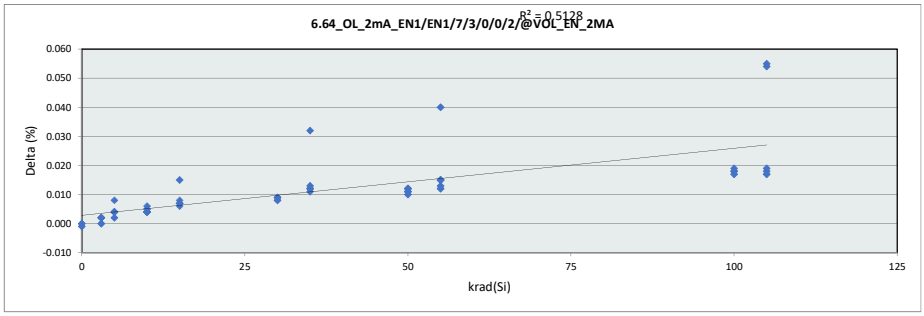


# TID HDR Report
# TPS7H3014-SP

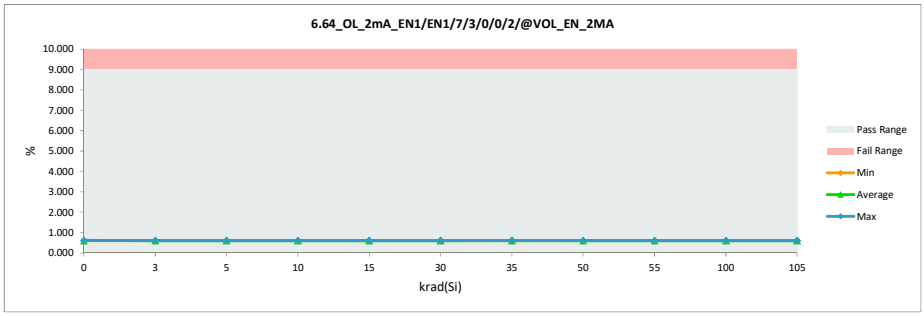
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.64_OL_2mA_EN1/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.612 | 0.611 | -0.001 |
| 0 | 14 | 0.609 | 0.609 | 0.000 |
| 0 | 15 | 0.607 | 0.607 | 0.000 |
| 3 | 20 | 0.604 | 0.604 | 0.000 |
| 3 | 21 | 0.606 | 0.606 | 0.000 |
| 3 | 22 | 0.603 | 0.605 | 0.002 |
| 3 | 23 | 0.605 | 0.607 | 0.002 |
| 3 | 24 | 0.603 | 0.605 | 0.002 |
| 5 | 25 | 0.604 | 0.606 | 0.002 |
| 5 | 26 | 0.605 | 0.609 | 0.004 |
| 5 | 27 | 0.598 | 0.606 | 0.008 |
| 5 | 28 | 0.602 | 0.606 | 0.004 |
| 5 | 29 | 0.603 | 0.607 | 0.004 |
| 10 | 30 | 0.606 | 0.610 | 0.004 |
| 10 | 31 | 0.599 | 0.603 | 0.004 |
| 10 | 32 | 0.599 | 0.603 | 0.004 |
| 10 | 33 | 0.604 | 0.609 | 0.005 |
| 10 | 34 | 0.599 | 0.605 | 0.006 |
| 15 | 35 | 0.601 | 0.607 | 0.006 |
| 15 | 36 | 0.590 | 0.605 | 0.015 |
| 15 | 37 | 0.596 | 0.604 | 0.008 |
| 15 | 38 | 0.596 | 0.603 | 0.007 |
| 15 | 39 | 0.601 | 0.608 | 0.007 |
| 30 | 40 | 0.594 | 0.603 | 0.009 |
| 30 | 41 | 0.594 | 0.603 | 0.009 |
| 30 | 42 | 0.595 | 0.603 | 0.008 |
| 30 | 43 | 0.594 | 0.603 | 0.009 |
| 30 | 44 | 0.602 | 0.610 | 0.008 |
| 35 | 45 | 0.596 | 0.608 | 0.012 |
| 35 | 46 | 0.574 | 0.606 | 0.032 |
| 35 | 47 | 0.593 | 0.605 | 0.012 |
| 35 | 48 | 0.599 | 0.612 | 0.013 |
| 35 | 49 | 0.593 | 0.604 | 0.011 |
| 50 | 50 | 0.594 | 0.604 | 0.010 |
| 50 | 51 | 0.594 | 0.605 | 0.011 |
| 50 | 52 | 0.596 | 0.607 | 0.011 |
| 50 | 53 | 0.595 | 0.607 | 0.012 |
| 50 | 54 | 0.594 | 0.606 | 0.012 |
| 55 | 55 | 0.592 | 0.605 | 0.013 |
| 55 | 56 | 0.569 | 0.609 | 0.040 |
| 55 | 57 | 0.589 | 0.601 | 0.012 |
| 55 | 58 | 0.595 | 0.610 | 0.015 |
| 55 | 59 | 0.591 | 0.606 | 0.015 |
| 100 | 60 | 0.589 | 0.607 | 0.018 |
| 100 | 61 | 0.586 | 0.605 | 0.019 |
| 100 | 62 | 0.589 | 0.606 | 0.017 |
| 100 | 63 | 0.584 | 0.602 | 0.018 |
| 100 | 64 | 0.589 | 0.607 | 0.018 |
| 105 | 65 | 0.585 | 0.602 | 0.017 |
| 105 | 66 | 0.588 | 0.607 | 0.019 |
| 105 | 67 | 0.551 | 0.606 | 0.055 |
| 105 | 68 | 0.553 | 0.607 | 0.054 |
| 105 | 69 | 0.589 | 0.607 | 0.018 |
| | Max | 0.612 | 0.612 | 0.055 |
| | Average | 0.594 | 0.606 | 0.012 |
| | Min | 0.551 | 0.601 | -0.001 |
| | Std Dev | 0.012 | 0.002 | 0.012 |




| | 6.64_OL_2mA_EN1/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.607 | 0.604 | 0.606 | 0.603 | 0.603 | 0.603 | 0.604 | 0.604 | 0.601 | 0.602 | 0.602 |
| Average | 0.609 | 0.605 | 0.607 | 0.606 | 0.605 | 0.604 | 0.607 | 0.606 | 0.606 | 0.605 | 0.606 |
| Max | 0.611 | 0.607 | 0.609 | 0.610 | 0.608 | 0.610 | 0.612 | 0.607 | 0.610 | 0.607 | 0.607 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

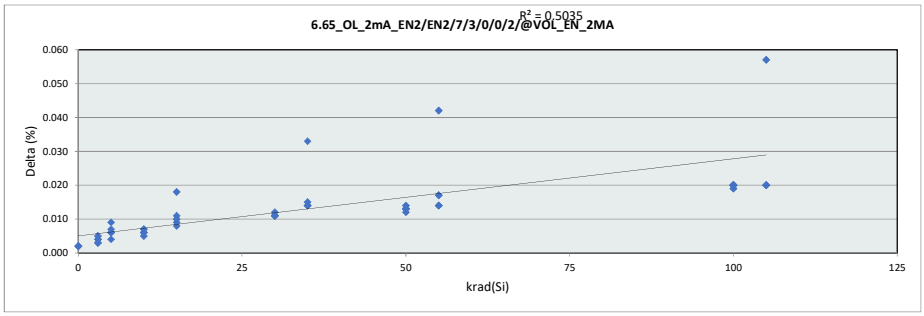


# TID HDR Report
# TPS7H3014-SP

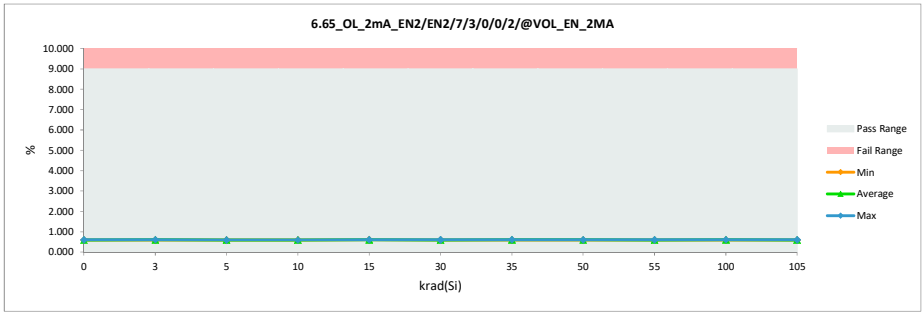
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.65_OL_2mA_EN2/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.600 | 0.602 | 0.002 |
| 0 | 14 | 0.601 | 0.603 | 0.002 |
| 0 | 15 | 0.595 | 0.597 | 0.002 |
| 3 | 20 | 0.608 | 0.611 | 0.003 |
| 3 | 21 | 0.597 | 0.600 | 0.003 |
| 3 | 22 | 0.589 | 0.593 | 0.004 |
| 3 | 23 | 0.593 | 0.598 | 0.005 |
| 3 | 24 | 0.605 | 0.609 | 0.004 |
| 5 | 25 | 0.592 | 0.596 | 0.004 |
| 5 | 26 | 0.592 | 0.598 | 0.006 |
| 5 | 27 | 0.591 | 0.600 | 0.009 |
| 5 | 28 | 0.587 | 0.593 | 0.006 |
| 5 | 29 | 0.592 | 0.599 | 0.007 |
| 10 | 30 | 0.591 | 0.598 | 0.007 |
| 10 | 31 | 0.592 | 0.597 | 0.005 |
| 10 | 32 | 0.594 | 0.600 | 0.006 |
| 10 | 33 | 0.589 | 0.595 | 0.006 |
| 10 | 34 | 0.590 | 0.597 | 0.007 |
| 15 | 35 | 0.600 | 0.608 | 0.008 |
| 15 | 36 | 0.589 | 0.607 | 0.018 |
| 15 | 37 | 0.602 | 0.613 | 0.011 |
| 15 | 38 | 0.594 | 0.604 | 0.010 |
| 15 | 39 | 0.593 | 0.602 | 0.009 |
| 30 | 40 | 0.587 | 0.599 | 0.012 |
| 30 | 41 | 0.592 | 0.603 | 0.011 |
| 30 | 42 | 0.588 | 0.599 | 0.011 |
| 30 | 43 | 0.591 | 0.602 | 0.011 |
| 30 | 44 | 0.591 | 0.602 | 0.011 |
| 35 | 45 | 0.585 | 0.600 | 0.015 |
| 35 | 46 | 0.570 | 0.603 | 0.033 |
| 35 | 47 | 0.589 | 0.603 | 0.014 |
| 35 | 48 | 0.585 | 0.599 | 0.014 |
| 35 | 49 | 0.597 | 0.611 | 0.014 |
| 50 | 50 | 0.592 | 0.604 | 0.012 |
| 50 | 51 | 0.580 | 0.593 | 0.013 |
| 50 | 52 | 0.595 | 0.608 | 0.013 |
| 50 | 53 | 0.590 | 0.603 | 0.013 |
| 50 | 54 | 0.595 | 0.609 | 0.014 |
| 55 | 55 | 0.589 | 0.603 | 0.014 |
| 55 | 56 | 0.558 | 0.600 | 0.042 |
| 55 | 57 | 0.582 | 0.596 | 0.014 |
| 55 | 58 | 0.583 | 0.600 | 0.017 |
| 55 | 59 | 0.583 | 0.600 | 0.017 |
| 100 | 60 | 0.576 | 0.596 | 0.020 |
| 100 | 61 | 0.582 | 0.602 | 0.020 |
| 100 | 62 | 0.592 | 0.612 | 0.020 |
| 100 | 63 | 0.575 | 0.594 | 0.019 |
| 100 | 64 | 0.591 | 0.611 | 0.020 |
| 105 | 65 | 0.574 | 0.594 | 0.020 |
| 105 | 66 | 0.583 | 0.603 | 0.020 |
| 105 | 67 | 0.540 | 0.597 | 0.057 |
| 105 | 68 | 0.545 | 0.602 | 0.057 |
| 105 | 69 | 0.578 | 0.598 | 0.020 |
| | Max | 0.608 | 0.613 | 0.057 |
| | Average | 0.587 | 0.601 | 0.014 |
| | Min | 0.540 | 0.593 | 0.002 |
| | Std Dev | 0.013 | 0.005 | 0.011 |




| | 6.65_OL_2mA_EN2/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.597 | 0.593 | 0.593 | 0.595 | 0.602 | 0.599 | 0.599 | 0.593 | 0.596 | 0.594 | 0.594 |
| Average | 0.601 | 0.602 | 0.597 | 0.597 | 0.607 | 0.601 | 0.603 | 0.603 | 0.600 | 0.603 | 0.599 |
| Max | 0.603 | 0.611 | 0.600 | 0.600 | 0.613 | 0.603 | 0.611 | 0.609 | 0.603 | 0.612 | 0.603 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

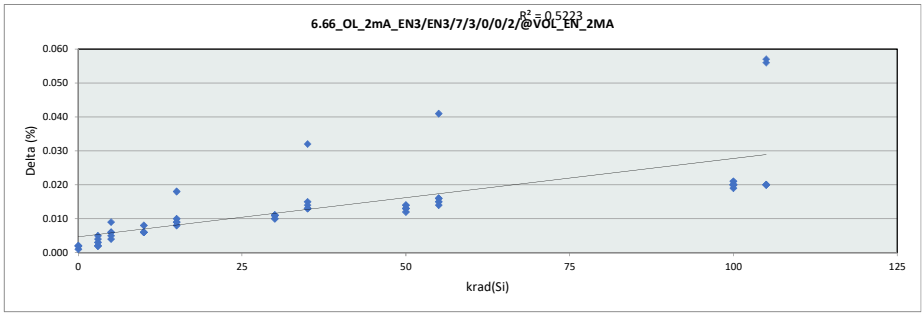


# TID HDR Report
# TPS7H3014-SP

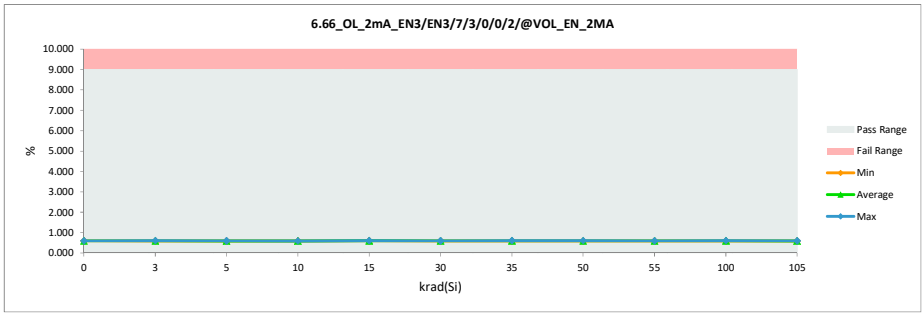
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.66_OL_2mA_EN3/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.591 | 0.593 | 0.002 |
| 0 | 14 | 0.594 | 0.595 | 0.001 |
| 0 | 15 | 0.591 | 0.593 | 0.002 |
| 3 | 20 | 0.599 | 0.601 | 0.002 |
| 3 | 21 | 0.590 | 0.592 | 0.002 |
| 3 | 22 | 0.581 | 0.586 | 0.005 |
| 3 | 23 | 0.589 | 0.592 | 0.003 |
| 3 | 24 | 0.597 | 0.601 | 0.004 |
| 5 | 25 | 0.587 | 0.591 | 0.004 |
| 5 | 26 | 0.584 | 0.589 | 0.005 |
| 5 | 27 | 0.582 | 0.591 | 0.009 |
| 5 | 28 | 0.582 | 0.588 | 0.006 |
| 5 | 29 | 0.589 | 0.595 | 0.006 |
| 10 | 30 | 0.584 | 0.590 | 0.006 |
| 10 | 31 | 0.585 | 0.591 | 0.006 |
| 10 | 32 | 0.584 | 0.590 | 0.006 |
| 10 | 33 | 0.583 | 0.589 | 0.006 |
| 10 | 34 | 0.580 | 0.588 | 0.008 |
| 15 | 35 | 0.591 | 0.599 | 0.008 |
| 15 | 36 | 0.580 | 0.598 | 0.018 |
| 15 | 37 | 0.594 | 0.604 | 0.010 |
| 15 | 38 | 0.584 | 0.593 | 0.009 |
| 15 | 39 | 0.586 | 0.595 | 0.009 |
| 30 | 40 | 0.581 | 0.592 | 0.011 |
| 30 | 41 | 0.584 | 0.595 | 0.011 |
| 30 | 42 | 0.578 | 0.589 | 0.011 |
| 30 | 43 | 0.581 | 0.591 | 0.010 |
| 30 | 44 | 0.585 | 0.596 | 0.011 |
| 35 | 45 | 0.578 | 0.592 | 0.014 |
| 35 | 46 | 0.562 | 0.594 | 0.032 |
| 35 | 47 | 0.581 | 0.594 | 0.013 |
| 35 | 48 | 0.578 | 0.591 | 0.013 |
| 35 | 49 | 0.589 | 0.604 | 0.015 |
| 50 | 50 | 0.582 | 0.594 | 0.012 |
| 50 | 51 | 0.574 | 0.587 | 0.013 |
| 50 | 52 | 0.586 | 0.599 | 0.013 |
| 50 | 53 | 0.582 | 0.596 | 0.014 |
| 50 | 54 | 0.588 | 0.602 | 0.014 |
| 55 | 55 | 0.580 | 0.594 | 0.014 |
| 55 | 56 | 0.551 | 0.592 | 0.041 |
| 55 | 57 | 0.575 | 0.590 | 0.015 |
| 55 | 58 | 0.576 | 0.592 | 0.016 |
| 55 | 59 | 0.575 | 0.591 | 0.016 |
| 100 | 60 | 0.569 | 0.589 | 0.020 |
| 100 | 61 | 0.573 | 0.594 | 0.021 |
| 100 | 62 | 0.582 | 0.602 | 0.020 |
| 100 | 63 | 0.572 | 0.591 | 0.019 |
| 100 | 64 | 0.582 | 0.602 | 0.020 |
| 105 | 65 | 0.569 | 0.589 | 0.020 |
| 105 | 66 | 0.576 | 0.596 | 0.020 |
| 105 | 67 | 0.534 | 0.591 | 0.057 |
| 105 | 68 | 0.534 | 0.590 | 0.056 |
| 105 | 69 | 0.570 | 0.590 | 0.020 |
| | Max | 0.599 | 0.604 | 0.057 |
| | Average | 0.580 | 0.593 | 0.014 |
| | Min | 0.534 | 0.586 | 0.001 |
| | Std Dev | 0.012 | 0.004 | 0.011 |




| | 6.66_OL_2mA_EN3/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.593 | 0.586 | 0.588 | 0.588 | 0.593 | 0.589 | 0.591 | 0.587 | 0.590 | 0.589 | 0.589 |
| Average | 0.594 | 0.594 | 0.591 | 0.590 | 0.598 | 0.593 | 0.595 | 0.596 | 0.592 | 0.596 | 0.591 |
| Max | 0.595 | 0.601 | 0.595 | 0.591 | 0.604 | 0.596 | 0.604 | 0.602 | 0.594 | 0.602 | 0.596 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

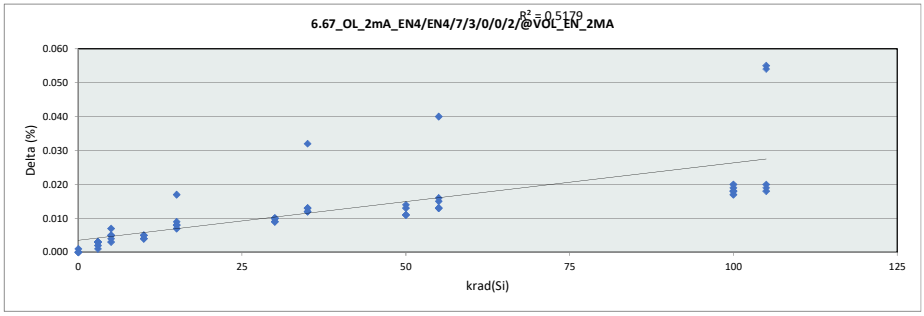


# TID HDR Report
# TPS7H3014-SP

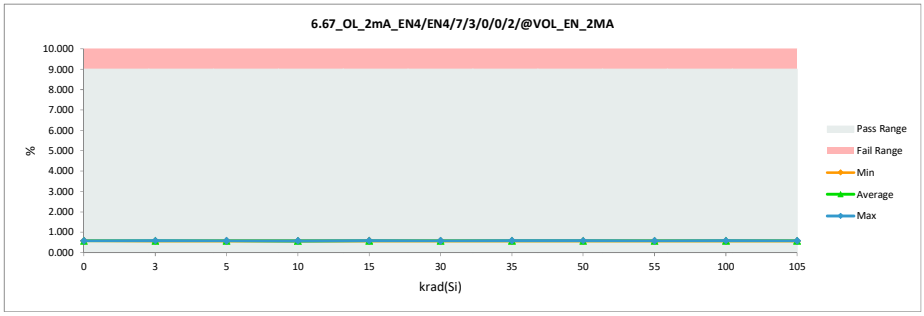
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.67_OL_2mA_EN4/EN4/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.575 | 0.575 | 0.000 |
| 0 | 14 | 0.580 | 0.580 | 0.000 |
| 0 | 15 | 0.575 | 0.576 | 0.001 |
| 3 | 20 | 0.583 | 0.585 | 0.002 |
| 3 | 21 | 0.573 | 0.574 | 0.001 |
| 3 | 22 | 0.563 | 0.566 | 0.003 |
| 3 | 23 | 0.572 | 0.575 | 0.003 |
| 3 | 24 | 0.580 | 0.583 | 0.003 |
| 5 | 25 | 0.573 | 0.576 | 0.003 |
| 5 | 26 | 0.570 | 0.575 | 0.005 |
| 5 | 27 | 0.565 | 0.572 | 0.007 |
| 5 | 28 | 0.566 | 0.570 | 0.004 |
| 5 | 29 | 0.574 | 0.579 | 0.005 |
| 10 | 30 | 0.568 | 0.573 | 0.005 |
| 10 | 31 | 0.572 | 0.576 | 0.004 |
| 10 | 32 | 0.565 | 0.569 | 0.004 |
| 10 | 33 | 0.567 | 0.571 | 0.004 |
| 10 | 34 | 0.564 | 0.569 | 0.005 |
| 15 | 35 | 0.573 | 0.580 | 0.007 |
| 15 | 36 | 0.569 | 0.586 | 0.017 |
| 15 | 37 | 0.578 | 0.586 | 0.008 |
| 15 | 38 | 0.568 | 0.576 | 0.008 |
| 15 | 39 | 0.567 | 0.576 | 0.009 |
| 30 | 40 | 0.563 | 0.573 | 0.010 |
| 30 | 41 | 0.568 | 0.578 | 0.010 |
| 30 | 42 | 0.566 | 0.575 | 0.009 |
| 30 | 43 | 0.566 | 0.576 | 0.010 |
| 30 | 44 | 0.570 | 0.579 | 0.009 |
| 35 | 45 | 0.558 | 0.571 | 0.013 |
| 35 | 46 | 0.547 | 0.579 | 0.032 |
| 35 | 47 | 0.563 | 0.575 | 0.012 |
| 35 | 48 | 0.562 | 0.575 | 0.013 |
| 35 | 49 | 0.573 | 0.585 | 0.012 |
| 50 | 50 | 0.567 | 0.578 | 0.011 |
| 50 | 51 | 0.556 | 0.567 | 0.011 |
| 50 | 52 | 0.572 | 0.583 | 0.011 |
| 50 | 53 | 0.564 | 0.577 | 0.013 |
| 50 | 54 | 0.570 | 0.584 | 0.014 |
| 55 | 55 | 0.567 | 0.580 | 0.013 |
| 55 | 56 | 0.534 | 0.574 | 0.040 |
| 55 | 57 | 0.560 | 0.573 | 0.013 |
| 55 | 58 | 0.560 | 0.576 | 0.016 |
| 55 | 59 | 0.558 | 0.573 | 0.015 |
| 100 | 60 | 0.553 | 0.571 | 0.018 |
| 100 | 61 | 0.559 | 0.579 | 0.020 |
| 100 | 62 | 0.565 | 0.584 | 0.019 |
| 100 | 63 | 0.551 | 0.568 | 0.017 |
| 100 | 64 | 0.565 | 0.583 | 0.018 |
| 105 | 65 | 0.552 | 0.570 | 0.018 |
| 105 | 66 | 0.559 | 0.578 | 0.019 |
| 105 | 67 | 0.520 | 0.575 | 0.055 |
| 105 | 68 | 0.519 | 0.573 | 0.054 |
| 105 | 69 | 0.556 | 0.576 | 0.020 |
| | Max | 0.583 | 0.586 | 0.055 |
| | Average | 0.564 | 0.576 | 0.012 |
| | Min | 0.519 | 0.566 | 0.000 |
| | Std Dev | 0.012 | 0.005 | 0.011 |




| | 6.67_OL_2mA_EN4/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.575 | 0.566 | 0.570 | 0.569 | 0.576 | 0.573 | 0.571 | 0.567 | 0.573 | 0.568 | 0.570 |
| Average | 0.577 | 0.577 | 0.574 | 0.572 | 0.581 | 0.576 | 0.577 | 0.578 | 0.575 | 0.577 | 0.574 |
| Max | 0.580 | 0.585 | 0.579 | 0.576 | 0.586 | 0.579 | 0.585 | 0.584 | 0.580 | 0.584 | 0.578 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

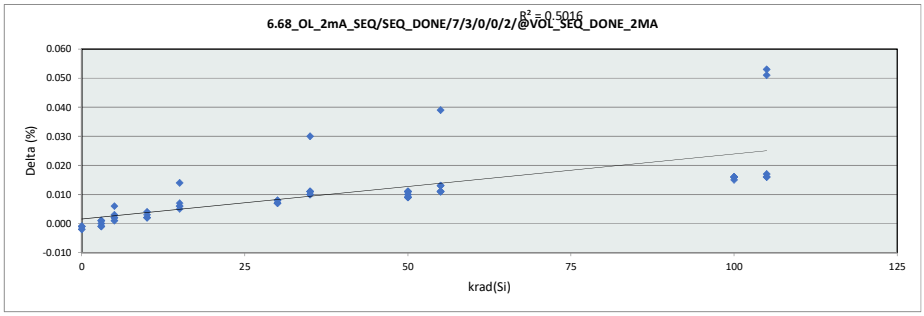


# TID HDR Report
# TPS7H3014-SP

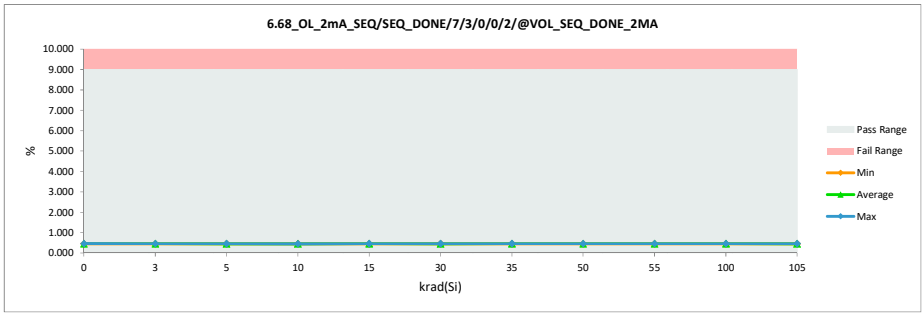
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.68_OL_2mA_SEQ/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.452 | 0.450 | -0.002 |
| 0 | 14 | 0.459 | 0.458 | -0.001 |
| 0 | 15 | 0.448 | 0.447 | -0.001 |
| 3 | 20 | 0.455 | 0.454 | -0.001 |
| 3 | 21 | 0.451 | 0.450 | -0.001 |
| 3 | 22 | 0.447 | 0.448 | 0.001 |
| 3 | 23 | 0.450 | 0.450 | 0.000 |
| 3 | 24 | 0.454 | 0.455 | 0.001 |
| 5 | 25 | 0.447 | 0.448 | 0.001 |
| 5 | 26 | 0.446 | 0.448 | 0.002 |
| 5 | 27 | 0.447 | 0.453 | 0.006 |
| 5 | 28 | 0.445 | 0.448 | 0.003 |
| 5 | 29 | 0.447 | 0.449 | 0.002 |
| 10 | 30 | 0.445 | 0.447 | 0.002 |
| 10 | 31 | 0.446 | 0.448 | 0.002 |
| 10 | 32 | 0.445 | 0.447 | 0.002 |
| 10 | 33 | 0.446 | 0.449 | 0.003 |
| 10 | 34 | 0.443 | 0.447 | 0.004 |
| 15 | 35 | 0.447 | 0.452 | 0.005 |
| 15 | 36 | 0.443 | 0.457 | 0.014 |
| 15 | 37 | 0.450 | 0.457 | 0.007 |
| 15 | 38 | 0.442 | 0.448 | 0.006 |
| 15 | 39 | 0.442 | 0.448 | 0.006 |
| 30 | 40 | 0.442 | 0.450 | 0.008 |
| 30 | 41 | 0.445 | 0.453 | 0.008 |
| 30 | 42 | 0.439 | 0.446 | 0.007 |
| 30 | 43 | 0.439 | 0.446 | 0.007 |
| 30 | 44 | 0.443 | 0.450 | 0.007 |
| 35 | 45 | 0.443 | 0.453 | 0.010 |
| 35 | 46 | 0.426 | 0.456 | 0.030 |
| 35 | 47 | 0.439 | 0.449 | 0.010 |
| 35 | 48 | 0.439 | 0.450 | 0.011 |
| 35 | 49 | 0.442 | 0.453 | 0.011 |
| 50 | 50 | 0.442 | 0.451 | 0.009 |
| 50 | 51 | 0.438 | 0.447 | 0.009 |
| 50 | 52 | 0.444 | 0.454 | 0.010 |
| 50 | 53 | 0.443 | 0.454 | 0.011 |
| 50 | 54 | 0.441 | 0.452 | 0.011 |
| 55 | 55 | 0.440 | 0.451 | 0.011 |
| 55 | 56 | 0.417 | 0.456 | 0.039 |
| 55 | 57 | 0.437 | 0.448 | 0.011 |
| 55 | 58 | 0.438 | 0.451 | 0.013 |
| 55 | 59 | 0.437 | 0.450 | 0.013 |
| 100 | 60 | 0.431 | 0.447 | 0.016 |
| 100 | 61 | 0.434 | 0.450 | 0.016 |
| 100 | 62 | 0.438 | 0.454 | 0.016 |
| 100 | 63 | 0.431 | 0.446 | 0.015 |
| 100 | 64 | 0.439 | 0.455 | 0.016 |
| 105 | 65 | 0.431 | 0.447 | 0.016 |
| 105 | 66 | 0.432 | 0.448 | 0.016 |
| 105 | 67 | 0.400 | 0.453 | 0.053 |
| 105 | 68 | 0.395 | 0.446 | 0.051 |
| 105 | 69 | 0.438 | 0.455 | 0.017 |
| | Max | 0.459 | 0.458 | 0.053 |
| | Average | 0.440 | 0.451 | 0.010 |
| | Min | 0.395 | 0.446 | -0.002 |
| | Std Dev | 0.011 | 0.003 | 0.011 |




| | 6.68_OL_2mA_SEQ/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.447 | 0.448 | 0.448 | 0.447 | 0.448 | 0.446 | 0.449 | 0.447 | 0.448 | 0.446 | 0.446 |
| Average | 0.452 | 0.451 | 0.449 | 0.448 | 0.452 | 0.449 | 0.452 | 0.452 | 0.451 | 0.450 | 0.450 |
| Max | 0.458 | 0.455 | 0.453 | 0.449 | 0.457 | 0.453 | 0.456 | 0.454 | 0.456 | 0.455 | 0.455 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

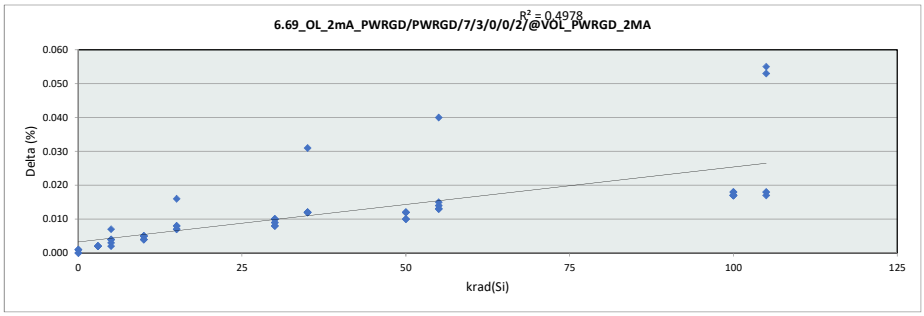


# TID HDR Report
# TPS7H3014-SP

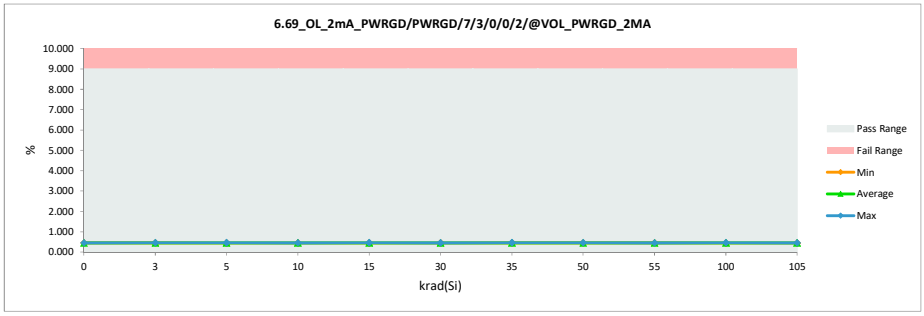
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.69_OL_2mA_PWRGD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.454 | 0.454 | 0.000 |
| 0 | 14 | 0.454 | 0.455 | 0.001 |
| 0 | 15 | 0.450 | 0.451 | 0.001 |
| 3 | 20 | 0.458 | 0.460 | 0.002 |
| 3 | 21 | 0.451 | 0.453 | 0.002 |
| 3 | 22 | 0.449 | 0.451 | 0.002 |
| 3 | 23 | 0.451 | 0.453 | 0.002 |
| 3 | 24 | 0.454 | 0.456 | 0.002 |
| 5 | 25 | 0.447 | 0.449 | 0.002 |
| 5 | 26 | 0.446 | 0.449 | 0.003 |
| 5 | 27 | 0.452 | 0.459 | 0.007 |
| 5 | 28 | 0.445 | 0.449 | 0.004 |
| 5 | 29 | 0.446 | 0.450 | 0.004 |
| 10 | 30 | 0.445 | 0.449 | 0.004 |
| 10 | 31 | 0.444 | 0.448 | 0.004 |
| 10 | 32 | 0.447 | 0.452 | 0.005 |
| 10 | 33 | 0.450 | 0.455 | 0.005 |
| 10 | 34 | 0.444 | 0.449 | 0.005 |
| 15 | 35 | 0.449 | 0.456 | 0.007 |
| 15 | 36 | 0.439 | 0.455 | 0.016 |
| 15 | 37 | 0.454 | 0.462 | 0.008 |
| 15 | 38 | 0.445 | 0.453 | 0.008 |
| 15 | 39 | 0.442 | 0.449 | 0.007 |
| 30 | 40 | 0.444 | 0.454 | 0.010 |
| 30 | 41 | 0.444 | 0.454 | 0.010 |
| 30 | 42 | 0.438 | 0.446 | 0.008 |
| 30 | 43 | 0.440 | 0.448 | 0.008 |
| 30 | 44 | 0.443 | 0.452 | 0.009 |
| 35 | 45 | 0.445 | 0.457 | 0.012 |
| 35 | 46 | 0.429 | 0.460 | 0.031 |
| 35 | 47 | 0.441 | 0.453 | 0.012 |
| 35 | 48 | 0.439 | 0.451 | 0.012 |
| 35 | 49 | 0.445 | 0.457 | 0.012 |
| 50 | 50 | 0.443 | 0.453 | 0.010 |
| 50 | 51 | 0.442 | 0.452 | 0.010 |
| 50 | 52 | 0.446 | 0.458 | 0.012 |
| 50 | 53 | 0.442 | 0.454 | 0.012 |
| 50 | 54 | 0.440 | 0.452 | 0.012 |
| 55 | 55 | 0.441 | 0.454 | 0.013 |
| 55 | 56 | 0.416 | 0.456 | 0.040 |
| 55 | 57 | 0.439 | 0.452 | 0.013 |
| 55 | 58 | 0.439 | 0.453 | 0.014 |
| 55 | 59 | 0.439 | 0.454 | 0.015 |
| 100 | 60 | 0.431 | 0.448 | 0.017 |
| 100 | 61 | 0.433 | 0.451 | 0.018 |
| 100 | 62 | 0.441 | 0.459 | 0.018 |
| 100 | 63 | 0.434 | 0.451 | 0.017 |
| 100 | 64 | 0.443 | 0.460 | 0.017 |
| 105 | 65 | 0.433 | 0.450 | 0.017 |
| 105 | 66 | 0.433 | 0.451 | 0.018 |
| 105 | 67 | 0.402 | 0.457 | 0.055 |
| 105 | 68 | 0.396 | 0.449 | 0.053 |
| 105 | 69 | 0.437 | 0.455 | 0.018 |
| | Max | 0.458 | 0.462 | 0.055 |
| | Average | 0.441 | 0.453 | 0.012 |
| | Min | 0.396 | 0.446 | 0.000 |
| | Std Dev | 0.011 | 0.004 | 0.011 |




| | 6.69_OL_2mA_PWRGD/F | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.451 | 0.451 | 0.449 | 0.448 | 0.449 | 0.446 | 0.451 | 0.452 | 0.452 | 0.448 | 0.449 |
| Average | 0.453 | 0.455 | 0.451 | 0.451 | 0.455 | 0.451 | 0.456 | 0.454 | 0.454 | 0.454 | 0.452 |
| Max | 0.455 | 0.460 | 0.459 | 0.455 | 0.462 | 0.454 | 0.460 | 0.458 | 0.456 | 0.460 | 0.457 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

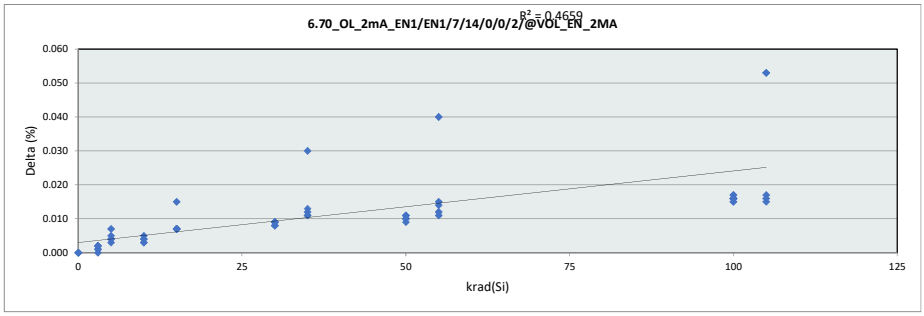


# TID HDR Report
# TPS7H3014-SP

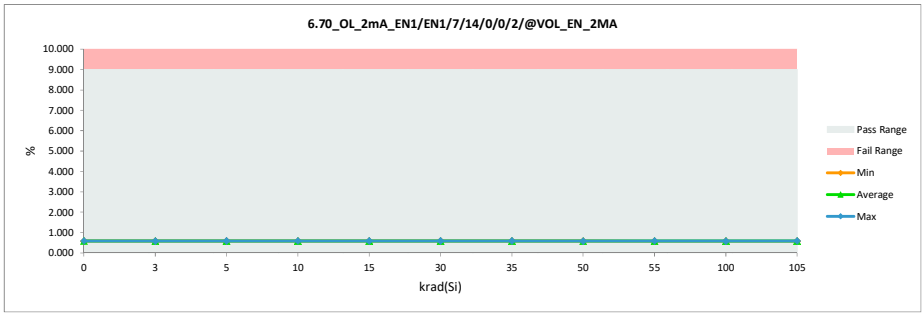
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.70_OL_2mA_EN1/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.590 | 0.590 | 0.000 |
| 0 | 14 | 0.587 | 0.587 | 0.000 |
| 0 | 15 | 0.585 | 0.585 | 0.000 |
| 3 | 20 | 0.583 | 0.584 | 0.001 |
| 3 | 21 | 0.585 | 0.585 | 0.000 |
| 3 | 22 | 0.581 | 0.582 | 0.001 |
| 3 | 23 | 0.583 | 0.585 | 0.002 |
| 3 | 24 | 0.581 | 0.583 | 0.002 |
| 5 | 25 | 0.582 | 0.585 | 0.003 |
| 5 | 26 | 0.583 | 0.587 | 0.004 |
| 5 | 27 | 0.578 | 0.585 | 0.007 |
| 5 | 28 | 0.580 | 0.584 | 0.004 |
| 5 | 29 | 0.580 | 0.585 | 0.005 |
| 10 | 30 | 0.584 | 0.588 | 0.004 |
| 10 | 31 | 0.579 | 0.582 | 0.003 |
| 10 | 32 | 0.580 | 0.583 | 0.003 |
| 10 | 33 | 0.582 | 0.586 | 0.004 |
| 10 | 34 | 0.579 | 0.584 | 0.005 |
| 15 | 35 | 0.579 | 0.586 | 0.007 |
| 15 | 36 | 0.569 | 0.584 | 0.015 |
| 15 | 37 | 0.576 | 0.583 | 0.007 |
| 15 | 38 | 0.575 | 0.582 | 0.007 |
| 15 | 39 | 0.581 | 0.588 | 0.007 |
| 30 | 40 | 0.573 | 0.582 | 0.009 |
| 30 | 41 | 0.572 | 0.581 | 0.009 |
| 30 | 42 | 0.574 | 0.582 | 0.008 |
| 30 | 43 | 0.574 | 0.582 | 0.008 |
| 30 | 44 | 0.580 | 0.589 | 0.009 |
| 35 | 45 | 0.574 | 0.587 | 0.013 |
| 35 | 46 | 0.555 | 0.585 | 0.030 |
| 35 | 47 | 0.573 | 0.585 | 0.012 |
| 35 | 48 | 0.579 | 0.590 | 0.011 |
| 35 | 49 | 0.572 | 0.583 | 0.011 |
| 50 | 50 | 0.573 | 0.583 | 0.010 |
| 50 | 51 | 0.573 | 0.583 | 0.010 |
| 50 | 52 | 0.576 | 0.585 | 0.009 |
| 50 | 53 | 0.574 | 0.585 | 0.011 |
| 50 | 54 | 0.573 | 0.584 | 0.011 |
| 55 | 55 | 0.571 | 0.583 | 0.012 |
| 55 | 56 | 0.547 | 0.587 | 0.040 |
| 55 | 57 | 0.569 | 0.580 | 0.011 |
| 55 | 58 | 0.573 | 0.588 | 0.015 |
| 55 | 59 | 0.571 | 0.585 | 0.014 |
| 100 | 60 | 0.568 | 0.584 | 0.016 |
| 100 | 61 | 0.566 | 0.583 | 0.017 |
| 100 | 62 | 0.570 | 0.585 | 0.015 |
| 100 | 63 | 0.564 | 0.580 | 0.016 |
| 100 | 64 | 0.569 | 0.585 | 0.016 |
| 105 | 65 | 0.565 | 0.580 | 0.015 |
| 105 | 66 | 0.570 | 0.587 | 0.017 |
| 105 | 67 | 0.531 | 0.584 | 0.053 |
| 105 | 68 | 0.534 | 0.587 | 0.053 |
| 105 | 69 | 0.568 | 0.584 | 0.016 |
| | Max | 0.590 | 0.590 | 0.053 |
| | Average | 0.573 | 0.585 | 0.011 |
| | Min | 0.531 | 0.580 | 0.000 |
| | Std Dev | 0.011 | 0.002 | 0.011 |




| | 6.70_OL_2mA_EN1/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.585 | 0.582 | 0.584 | 0.582 | 0.582 | 0.581 | 0.583 | 0.583 | 0.580 | 0.580 | 0.580 |
| Average | 0.587 | 0.584 | 0.585 | 0.585 | 0.585 | 0.583 | 0.586 | 0.584 | 0.585 | 0.583 | 0.584 |
| Max | 0.590 | 0.585 | 0.587 | 0.588 | 0.588 | 0.589 | 0.590 | 0.585 | 0.588 | 0.585 | 0.587 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

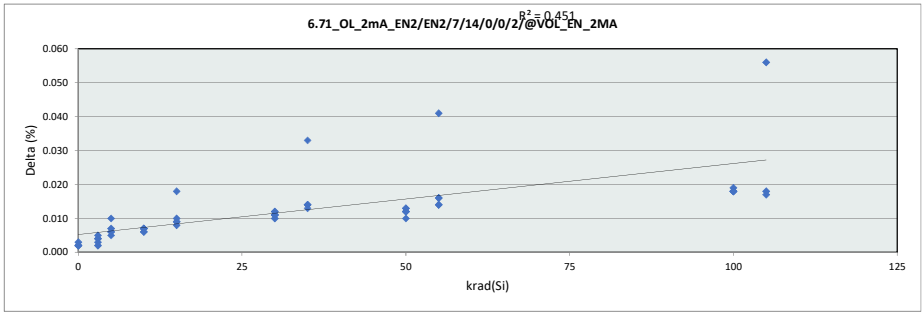


# TID HDR Report
# TPS7H3014-SP

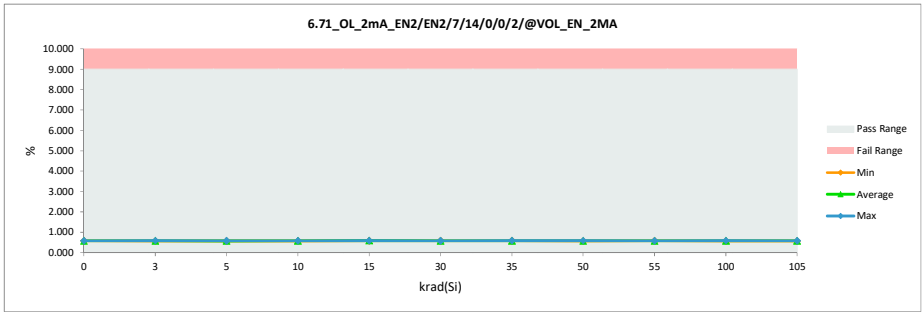
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.71_OL_2mA_EN2/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.579 | 0.581 | 0.002 |
| 0 | 14 | 0.580 | 0.582 | 0.002 |
| 0 | 15 | 0.574 | 0.577 | 0.003 |
| 3 | 20 | 0.587 | 0.589 | 0.002 |
| 3 | 21 | 0.577 | 0.580 | 0.003 |
| 3 | 22 | 0.568 | 0.572 | 0.004 |
| 3 | 23 | 0.572 | 0.577 | 0.005 |
| 3 | 24 | 0.582 | 0.586 | 0.004 |
| 5 | 25 | 0.571 | 0.576 | 0.005 |
| 5 | 26 | 0.571 | 0.577 | 0.006 |
| 5 | 27 | 0.571 | 0.581 | 0.010 |
| 5 | 28 | 0.568 | 0.574 | 0.006 |
| 5 | 29 | 0.571 | 0.578 | 0.007 |
| 10 | 30 | 0.571 | 0.578 | 0.007 |
| 10 | 31 | 0.571 | 0.578 | 0.007 |
| 10 | 32 | 0.574 | 0.580 | 0.006 |
| 10 | 33 | 0.569 | 0.575 | 0.006 |
| 10 | 34 | 0.570 | 0.577 | 0.007 |
| 15 | 35 | 0.578 | 0.586 | 0.008 |
| 15 | 36 | 0.567 | 0.585 | 0.018 |
| 15 | 37 | 0.581 | 0.591 | 0.010 |
| 15 | 38 | 0.574 | 0.583 | 0.009 |
| 15 | 39 | 0.574 | 0.583 | 0.009 |
| 30 | 40 | 0.568 | 0.579 | 0.011 |
| 30 | 41 | 0.570 | 0.582 | 0.012 |
| 30 | 42 | 0.568 | 0.579 | 0.011 |
| 30 | 43 | 0.572 | 0.582 | 0.010 |
| 30 | 44 | 0.571 | 0.582 | 0.011 |
| 35 | 45 | 0.565 | 0.579 | 0.014 |
| 35 | 46 | 0.550 | 0.583 | 0.033 |
| 35 | 47 | 0.569 | 0.583 | 0.014 |
| 35 | 48 | 0.566 | 0.580 | 0.014 |
| 35 | 49 | 0.576 | 0.589 | 0.013 |
| 50 | 50 | 0.571 | 0.583 | 0.012 |
| 50 | 51 | 0.561 | 0.573 | 0.012 |
| 50 | 52 | 0.575 | 0.585 | 0.010 |
| 50 | 53 | 0.570 | 0.583 | 0.013 |
| 50 | 54 | 0.574 | 0.587 | 0.013 |
| 55 | 55 | 0.568 | 0.582 | 0.014 |
| 55 | 56 | 0.537 | 0.578 | 0.041 |
| 55 | 57 | 0.563 | 0.577 | 0.014 |
| 55 | 58 | 0.563 | 0.579 | 0.016 |
| 55 | 59 | 0.564 | 0.580 | 0.016 |
| 100 | 60 | 0.557 | 0.575 | 0.018 |
| 100 | 61 | 0.562 | 0.581 | 0.019 |
| 100 | 62 | 0.572 | 0.590 | 0.018 |
| 100 | 63 | 0.556 | 0.574 | 0.018 |
| 100 | 64 | 0.571 | 0.589 | 0.018 |
| 105 | 65 | 0.556 | 0.573 | 0.017 |
| 105 | 66 | 0.566 | 0.584 | 0.018 |
| 105 | 67 | 0.521 | 0.577 | 0.056 |
| 105 | 68 | 0.526 | 0.582 | 0.056 |
| 105 | 69 | 0.558 | 0.576 | 0.018 |
| | Max | 0.587 | 0.591 | 0.056 |
| | Average | 0.567 | 0.581 | 0.013 |
| | Min | 0.521 | 0.572 | 0.002 |
| | Std Dev | 0.012 | 0.005 | 0.011 |




| | 6.71_OL_2mA_EN2/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.577 | 0.572 | 0.574 | 0.575 | 0.583 | 0.579 | 0.579 | 0.573 | 0.577 | 0.574 | 0.573 |
| Average | 0.580 | 0.581 | 0.577 | 0.578 | 0.586 | 0.581 | 0.583 | 0.582 | 0.579 | 0.582 | 0.578 |
| Max | 0.582 | 0.589 | 0.581 | 0.580 | 0.591 | 0.582 | 0.589 | 0.587 | 0.582 | 0.590 | 0.584 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

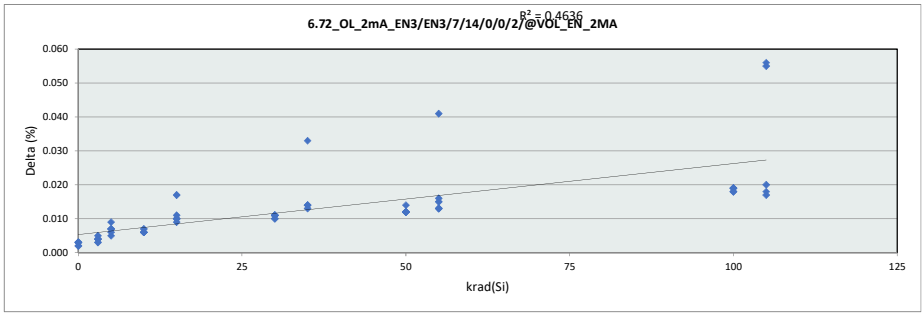


# TID HDR Report
# TPS7H3014-SP

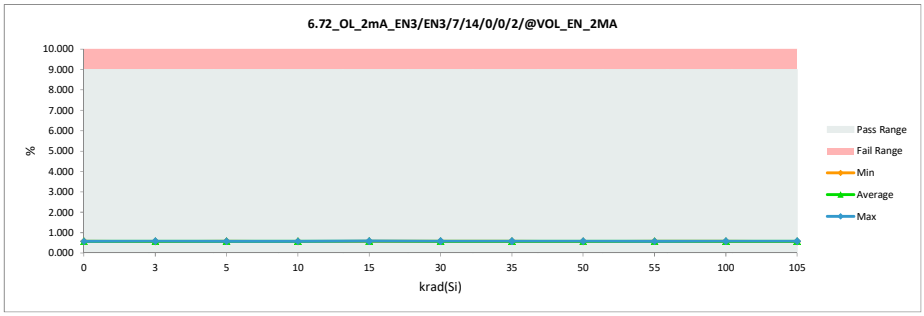
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.72_OL_2mA_EN3/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.570 | 0.573 | 0.003 |
| 0 | 14 | 0.572 | 0.574 | 0.002 |
| 0 | 15 | 0.570 | 0.573 | 0.003 |
| 3 | 20 | 0.577 | 0.581 | 0.004 |
| 3 | 21 | 0.569 | 0.572 | 0.003 |
| 3 | 22 | 0.560 | 0.564 | 0.004 |
| 3 | 23 | 0.568 | 0.572 | 0.004 |
| 3 | 24 | 0.574 | 0.579 | 0.005 |
| 5 | 25 | 0.566 | 0.571 | 0.005 |
| 5 | 26 | 0.563 | 0.569 | 0.006 |
| 5 | 27 | 0.562 | 0.571 | 0.009 |
| 5 | 28 | 0.562 | 0.569 | 0.007 |
| 5 | 29 | 0.567 | 0.574 | 0.007 |
| 10 | 30 | 0.564 | 0.570 | 0.006 |
| 10 | 31 | 0.565 | 0.571 | 0.006 |
| 10 | 32 | 0.564 | 0.570 | 0.006 |
| 10 | 33 | 0.562 | 0.568 | 0.006 |
| 10 | 34 | 0.560 | 0.567 | 0.007 |
| 15 | 35 | 0.569 | 0.578 | 0.009 |
| 15 | 36 | 0.559 | 0.576 | 0.017 |
| 15 | 37 | 0.572 | 0.583 | 0.011 |
| 15 | 38 | 0.563 | 0.573 | 0.010 |
| 15 | 39 | 0.566 | 0.576 | 0.010 |
| 30 | 40 | 0.561 | 0.572 | 0.011 |
| 30 | 41 | 0.563 | 0.574 | 0.011 |
| 30 | 42 | 0.558 | 0.569 | 0.011 |
| 30 | 43 | 0.562 | 0.572 | 0.010 |
| 30 | 44 | 0.565 | 0.576 | 0.011 |
| 35 | 45 | 0.557 | 0.571 | 0.014 |
| 35 | 46 | 0.542 | 0.575 | 0.033 |
| 35 | 47 | 0.561 | 0.574 | 0.013 |
| 35 | 48 | 0.559 | 0.573 | 0.014 |
| 35 | 49 | 0.568 | 0.582 | 0.014 |
| 50 | 50 | 0.562 | 0.574 | 0.012 |
| 50 | 51 | 0.554 | 0.566 | 0.012 |
| 50 | 52 | 0.566 | 0.578 | 0.012 |
| 50 | 53 | 0.563 | 0.575 | 0.012 |
| 50 | 54 | 0.567 | 0.581 | 0.014 |
| 55 | 55 | 0.560 | 0.573 | 0.013 |
| 55 | 56 | 0.530 | 0.571 | 0.041 |
| 55 | 57 | 0.557 | 0.570 | 0.013 |
| 55 | 58 | 0.555 | 0.571 | 0.016 |
| 55 | 59 | 0.556 | 0.571 | 0.015 |
| 100 | 60 | 0.550 | 0.569 | 0.019 |
| 100 | 61 | 0.554 | 0.573 | 0.019 |
| 100 | 62 | 0.563 | 0.581 | 0.018 |
| 100 | 63 | 0.552 | 0.570 | 0.018 |
| 100 | 64 | 0.562 | 0.581 | 0.019 |
| 105 | 65 | 0.550 | 0.567 | 0.017 |
| 105 | 66 | 0.558 | 0.578 | 0.020 |
| 105 | 67 | 0.515 | 0.571 | 0.056 |
| 105 | 68 | 0.515 | 0.570 | 0.055 |
| 105 | 69 | 0.550 | 0.568 | 0.018 |
| | Max | 0.577 | 0.583 | 0.056 |
| | Average | 0.560 | 0.573 | 0.013 |
| | Min | 0.515 | 0.564 | 0.002 |
| | Std Dev | 0.012 | 0.004 | 0.011 |




| | 6.72_OL_2mA_EN3/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.573 | 0.564 | 0.569 | 0.567 | 0.573 | 0.569 | 0.571 | 0.566 | 0.570 | 0.569 | 0.567 |
| Average | 0.573 | 0.574 | 0.571 | 0.569 | 0.577 | 0.573 | 0.575 | 0.575 | 0.571 | 0.575 | 0.571 |
| Max | 0.574 | 0.581 | 0.574 | 0.571 | 0.583 | 0.576 | 0.582 | 0.581 | 0.573 | 0.581 | 0.578 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

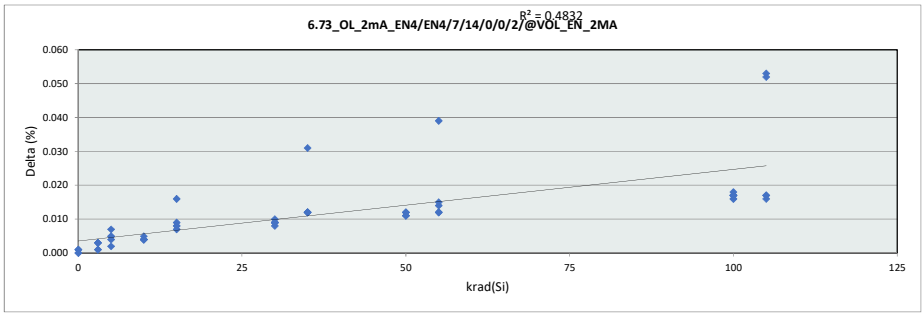


# TID HDR Report
# TPS7H3014-SP

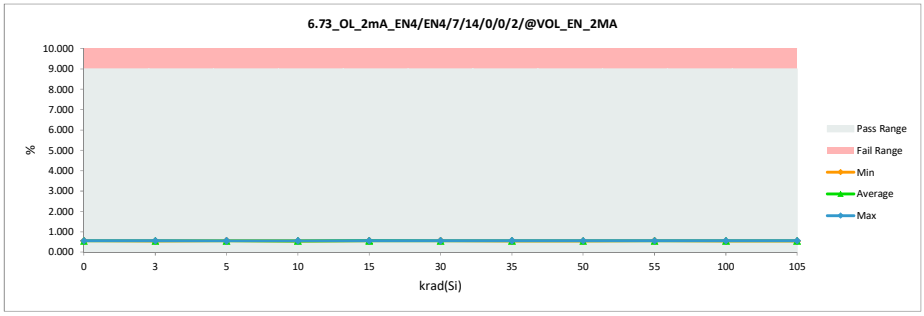
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.73_OL_2mA_EN4/EN4/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.554 | 0.554 | 0.000 |
| 0 | 14 | 0.558 | 0.559 | 0.001 |
| 0 | 15 | 0.554 | 0.555 | 0.001 |
| 3 | 20 | 0.562 | 0.563 | 0.001 |
| 3 | 21 | 0.552 | 0.553 | 0.001 |
| 3 | 22 | 0.542 | 0.545 | 0.003 |
| 3 | 23 | 0.551 | 0.554 | 0.003 |
| 3 | 24 | 0.558 | 0.561 | 0.003 |
| 5 | 25 | 0.552 | 0.554 | 0.002 |
| 5 | 26 | 0.549 | 0.553 | 0.004 |
| 5 | 27 | 0.545 | 0.552 | 0.007 |
| 5 | 28 | 0.546 | 0.551 | 0.005 |
| 5 | 29 | 0.552 | 0.557 | 0.005 |
| 10 | 30 | 0.548 | 0.552 | 0.004 |
| 10 | 31 | 0.551 | 0.555 | 0.004 |
| 10 | 32 | 0.546 | 0.550 | 0.004 |
| 10 | 33 | 0.546 | 0.550 | 0.004 |
| 10 | 34 | 0.544 | 0.549 | 0.005 |
| 15 | 35 | 0.552 | 0.559 | 0.007 |
| 15 | 36 | 0.547 | 0.563 | 0.016 |
| 15 | 37 | 0.556 | 0.565 | 0.009 |
| 15 | 38 | 0.547 | 0.555 | 0.008 |
| 15 | 39 | 0.548 | 0.556 | 0.008 |
| 30 | 40 | 0.544 | 0.553 | 0.009 |
| 30 | 41 | 0.546 | 0.556 | 0.010 |
| 30 | 42 | 0.546 | 0.555 | 0.009 |
| 30 | 43 | 0.547 | 0.555 | 0.008 |
| 30 | 44 | 0.550 | 0.559 | 0.009 |
| 35 | 45 | 0.538 | 0.550 | 0.012 |
| 35 | 46 | 0.528 | 0.559 | 0.031 |
| 35 | 47 | 0.543 | 0.555 | 0.012 |
| 35 | 48 | 0.543 | 0.555 | 0.012 |
| 35 | 49 | 0.552 | 0.564 | 0.012 |
| 50 | 50 | 0.546 | 0.557 | 0.011 |
| 50 | 51 | 0.536 | 0.547 | 0.011 |
| 50 | 52 | 0.551 | 0.562 | 0.011 |
| 50 | 53 | 0.545 | 0.557 | 0.012 |
| 50 | 54 | 0.550 | 0.562 | 0.012 |
| 55 | 55 | 0.547 | 0.559 | 0.012 |
| 55 | 56 | 0.513 | 0.552 | 0.039 |
| 55 | 57 | 0.541 | 0.553 | 0.012 |
| 55 | 58 | 0.540 | 0.555 | 0.015 |
| 55 | 59 | 0.538 | 0.552 | 0.014 |
| 100 | 60 | 0.534 | 0.550 | 0.016 |
| 100 | 61 | 0.539 | 0.557 | 0.018 |
| 100 | 62 | 0.546 | 0.563 | 0.017 |
| 100 | 63 | 0.531 | 0.548 | 0.017 |
| 100 | 64 | 0.545 | 0.562 | 0.017 |
| 105 | 65 | 0.533 | 0.549 | 0.016 |
| 105 | 66 | 0.542 | 0.559 | 0.017 |
| 105 | 67 | 0.501 | 0.554 | 0.053 |
| 105 | 68 | 0.501 | 0.553 | 0.052 |
| 105 | 69 | 0.536 | 0.553 | 0.017 |
| | Max | 0.562 | 0.565 | 0.053 |
| | Average | 0.544 | 0.555 | 0.012 |
| | Min | 0.501 | 0.545 | 0.000 |
| | Std Dev | 0.012 | 0.005 | 0.011 |




| | 6.73_OL_2mA_EN4/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.554 | 0.545 | 0.551 | 0.549 | 0.555 | 0.553 | 0.550 | 0.547 | 0.552 | 0.548 | 0.549 |
| Average | 0.556 | 0.555 | 0.553 | 0.551 | 0.560 | 0.556 | 0.557 | 0.557 | 0.554 | 0.556 | 0.554 |
| Max | 0.559 | 0.563 | 0.557 | 0.555 | 0.565 | 0.559 | 0.564 | 0.562 | 0.559 | 0.563 | 0.559 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

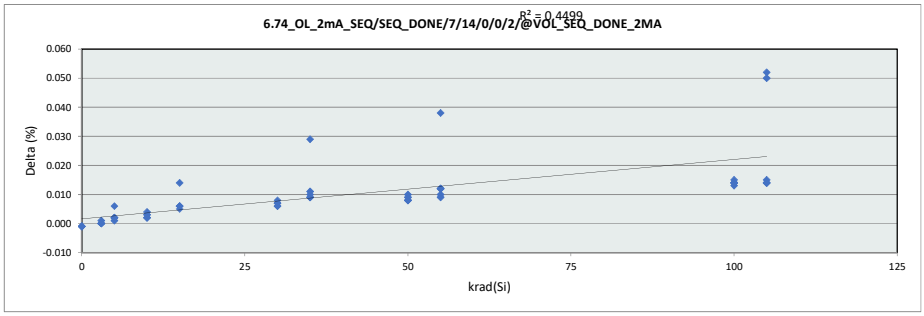


# TID HDR Report
# TPS7H3014-SP

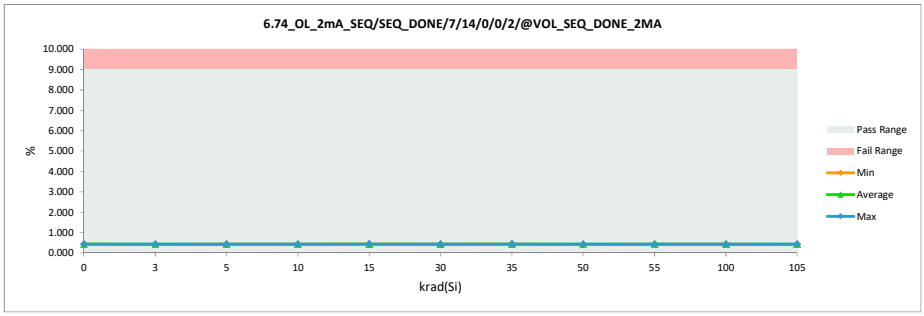
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.74_OL_2mA_SEQ/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.431 | 0.430 | -0.001 |
| 0 | 14 | 0.437 | 0.436 | -0.001 |
| 0 | 15 | 0.428 | 0.427 | -0.001 |
| 3 | 20 | 0.433 | 0.433 | 0.000 |
| 3 | 21 | 0.430 | 0.430 | 0.000 |
| 3 | 22 | 0.426 | 0.426 | 0.000 |
| 3 | 23 | 0.428 | 0.429 | 0.001 |
| 3 | 24 | 0.432 | 0.432 | 0.000 |
| 5 | 25 | 0.426 | 0.427 | 0.001 |
| 5 | 26 | 0.425 | 0.427 | 0.002 |
| 5 | 27 | 0.426 | 0.432 | 0.006 |
| 5 | 28 | 0.426 | 0.428 | 0.002 |
| 5 | 29 | 0.426 | 0.428 | 0.002 |
| 10 | 30 | 0.424 | 0.427 | 0.003 |
| 10 | 31 | 0.426 | 0.428 | 0.002 |
| 10 | 32 | 0.425 | 0.427 | 0.002 |
| 10 | 33 | 0.425 | 0.428 | 0.003 |
| 10 | 34 | 0.423 | 0.427 | 0.004 |
| 15 | 35 | 0.426 | 0.431 | 0.005 |
| 15 | 36 | 0.421 | 0.435 | 0.014 |
| 15 | 37 | 0.429 | 0.435 | 0.006 |
| 15 | 38 | 0.422 | 0.428 | 0.006 |
| 15 | 39 | 0.423 | 0.429 | 0.006 |
| 30 | 40 | 0.422 | 0.430 | 0.008 |
| 30 | 41 | 0.424 | 0.431 | 0.007 |
| 30 | 42 | 0.419 | 0.425 | 0.006 |
| 30 | 43 | 0.420 | 0.426 | 0.006 |
| 30 | 44 | 0.423 | 0.430 | 0.007 |
| 35 | 45 | 0.421 | 0.432 | 0.011 |
| 35 | 46 | 0.406 | 0.435 | 0.029 |
| 35 | 47 | 0.419 | 0.428 | 0.009 |
| 35 | 48 | 0.421 | 0.430 | 0.009 |
| 35 | 49 | 0.422 | 0.432 | 0.010 |
| 50 | 50 | 0.422 | 0.430 | 0.008 |
| 50 | 51 | 0.418 | 0.426 | 0.008 |
| 50 | 52 | 0.424 | 0.432 | 0.008 |
| 50 | 53 | 0.424 | 0.433 | 0.009 |
| 50 | 54 | 0.421 | 0.431 | 0.010 |
| 55 | 55 | 0.420 | 0.430 | 0.010 |
| 55 | 56 | 0.395 | 0.433 | 0.038 |
| 55 | 57 | 0.419 | 0.428 | 0.009 |
| 55 | 58 | 0.418 | 0.430 | 0.012 |
| 55 | 59 | 0.417 | 0.429 | 0.012 |
| 100 | 60 | 0.412 | 0.426 | 0.014 |
| 100 | 61 | 0.414 | 0.429 | 0.015 |
| 100 | 62 | 0.419 | 0.433 | 0.014 |
| 100 | 63 | 0.412 | 0.425 | 0.013 |
| 100 | 64 | 0.420 | 0.434 | 0.014 |
| 105 | 65 | 0.412 | 0.426 | 0.014 |
| 105 | 66 | 0.415 | 0.429 | 0.014 |
| 105 | 67 | 0.380 | 0.432 | 0.052 |
| 105 | 68 | 0.377 | 0.427 | 0.050 |
| 105 | 69 | 0.417 | 0.432 | 0.015 |
| | Max | 0.437 | 0.436 | 0.052 |
| | Average | 0.420 | 0.430 | 0.009 |
| | Min | 0.377 | 0.425 | -0.001 |
| | Std Dev | 0.011 | 0.003 | 0.011 |




| | 6.74_OL_2mA_SEQ/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.427 | 0.426 | 0.427 | 0.427 | 0.428 | 0.425 | 0.428 | 0.426 | 0.428 | 0.425 | 0.426 |
| Average | 0.431 | 0.430 | 0.428 | 0.427 | 0.432 | 0.428 | 0.431 | 0.430 | 0.430 | 0.429 | 0.429 |
| Max | 0.436 | 0.433 | 0.432 | 0.428 | 0.435 | 0.431 | 0.435 | 0.433 | 0.433 | 0.434 | 0.432 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

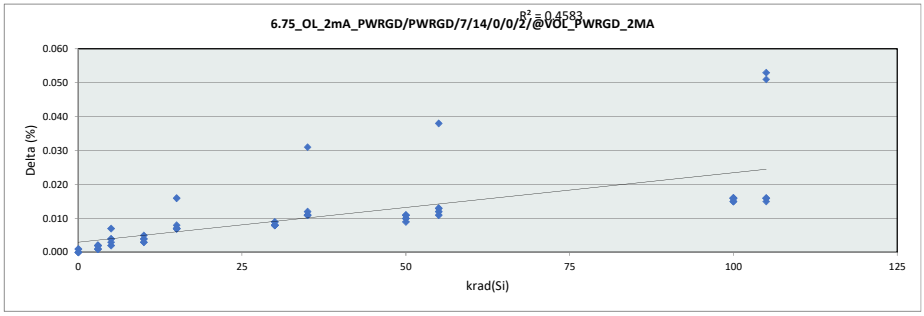


# TID HDR Report
# TPS7H3014-SP

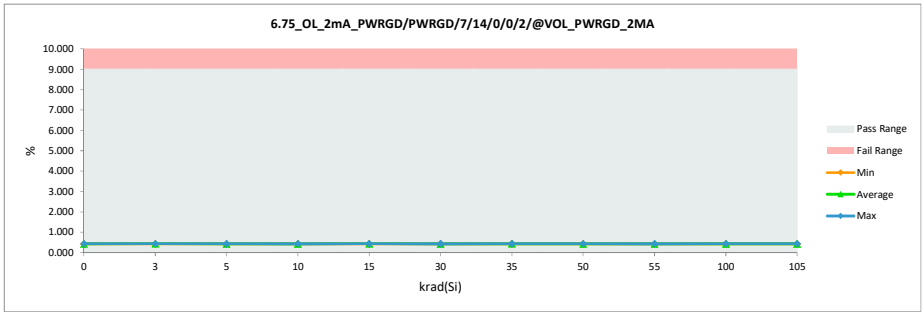
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.75_OL_2mA_PWRGD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 10 | 9 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.433 | 0.433 | 0.000 |
| 0 | 14 | 0.433 | 0.434 | 0.001 |
| 0 | 15 | 0.430 | 0.430 | 0.000 |
| 3 | 20 | 0.437 | 0.438 | 0.001 |
| 3 | 21 | 0.431 | 0.432 | 0.001 |
| 3 | 22 | 0.427 | 0.429 | 0.002 |
| 3 | 23 | 0.430 | 0.432 | 0.002 |
| 3 | 24 | 0.432 | 0.434 | 0.002 |
| 5 | 25 | 0.426 | 0.428 | 0.002 |
| 5 | 26 | 0.425 | 0.428 | 0.003 |
| 5 | 27 | 0.431 | 0.438 | 0.007 |
| 5 | 28 | 0.425 | 0.429 | 0.004 |
| 5 | 29 | 0.425 | 0.429 | 0.004 |
| 10 | 30 | 0.425 | 0.429 | 0.004 |
| 10 | 31 | 0.425 | 0.428 | 0.003 |
| 10 | 32 | 0.428 | 0.431 | 0.003 |
| 10 | 33 | 0.429 | 0.433 | 0.004 |
| 10 | 34 | 0.424 | 0.429 | 0.005 |
| 15 | 35 | 0.428 | 0.435 | 0.007 |
| 15 | 36 | 0.418 | 0.434 | 0.016 |
| 15 | 37 | 0.433 | 0.441 | 0.008 |
| 15 | 38 | 0.425 | 0.432 | 0.007 |
| 15 | 39 | 0.423 | 0.430 | 0.007 |
| 30 | 40 | 0.425 | 0.433 | 0.008 |
| 30 | 41 | 0.423 | 0.432 | 0.009 |
| 30 | 42 | 0.418 | 0.426 | 0.008 |
| 30 | 43 | 0.420 | 0.428 | 0.008 |
| 30 | 44 | 0.424 | 0.432 | 0.008 |
| 35 | 45 | 0.424 | 0.436 | 0.012 |
| 35 | 46 | 0.408 | 0.439 | 0.031 |
| 35 | 47 | 0.421 | 0.432 | 0.011 |
| 35 | 48 | 0.421 | 0.432 | 0.011 |
| 35 | 49 | 0.425 | 0.436 | 0.011 |
| 50 | 50 | 0.422 | 0.432 | 0.010 |
| 50 | 51 | 0.421 | 0.431 | 0.010 |
| 50 | 52 | 0.427 | 0.436 | 0.009 |
| 50 | 53 | 0.423 | 0.434 | 0.011 |
| 50 | 54 | 0.420 | 0.431 | 0.011 |
| 55 | 55 | 0.421 | 0.433 | 0.012 |
| 55 | 56 | 0.395 | 0.433 | 0.038 |
| 55 | 57 | 0.421 | 0.432 | 0.011 |
| 55 | 58 | 0.419 | 0.432 | 0.013 |
| 55 | 59 | 0.420 | 0.433 | 0.013 |
| 100 | 60 | 0.412 | 0.427 | 0.015 |
| 100 | 61 | 0.413 | 0.429 | 0.016 |
| 100 | 62 | 0.423 | 0.438 | 0.015 |
| 100 | 63 | 0.414 | 0.430 | 0.016 |
| 100 | 64 | 0.423 | 0.439 | 0.016 |
| 105 | 65 | 0.414 | 0.429 | 0.015 |
| 105 | 66 | 0.416 | 0.432 | 0.016 |
| 105 | 67 | 0.383 | 0.436 | 0.053 |
| 105 | 68 | 0.378 | 0.429 | 0.051 |
| 105 | 69 | 0.416 | 0.432 | 0.016 |
| | Max | 0.437 | 0.441 | 0.053 |
| | Average | 0.421 | 0.432 | 0.011 |
| | Min | 0.378 | 0.426 | 0.000 |
| | Std Dev | 0.011 | 0.003 | 0.011 |




| | 6.75_OL_2mA_PWRGD/F | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 9 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.430 | 0.429 | 0.428 | 0.428 | 0.430 | 0.426 | 0.432 | 0.431 | 0.432 | 0.427 | 0.429 |
| Average | 0.432 | 0.433 | 0.430 | 0.430 | 0.434 | 0.430 | 0.435 | 0.433 | 0.433 | 0.433 | 0.432 |
| Max | 0.434 | 0.438 | 0.438 | 0.433 | 0.441 | 0.433 | 0.439 | 0.436 | 0.433 | 0.439 | 0.436 |
| UL | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 | 9.000 |

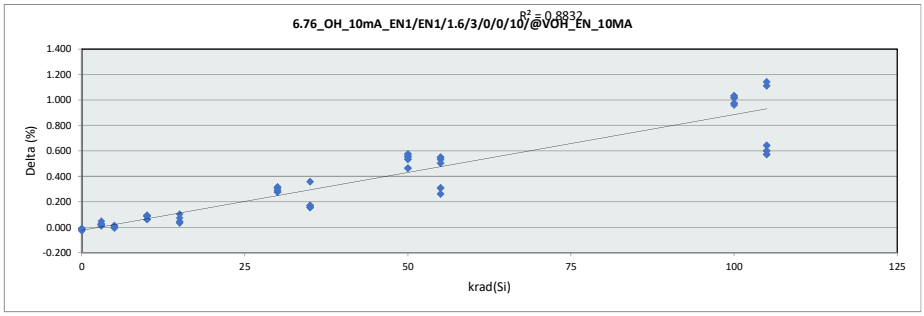


# TID HDR Report
# TPS7H3014-SP

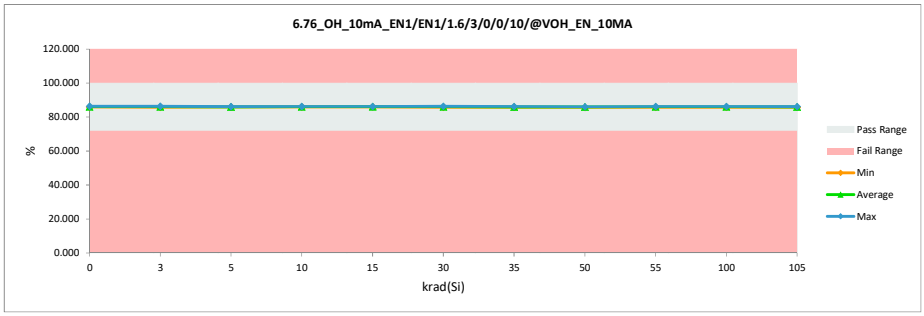
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.76_OH_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 86.334 | 86.324 | -0.010 |
| 0 | 14 | 86.013 | 86.000 | -0.013 |
| 0 | 15 | 86.032 | 86.005 | -0.027 |
| 3 | 20 | 86.060 | 86.108 | 0.048 |
| 3 | 21 | 86.334 | 86.363 | 0.029 |
| 3 | 22 | 85.861 | 85.882 | 0.021 |
| 3 | 23 | 85.732 | 85.754 | 0.022 |
| 3 | 24 | 86.053 | 86.065 | 0.012 |
| 5 | 25 | 85.867 | 85.880 | 0.013 |
| 5 | 26 | 85.823 | 85.834 | 0.011 |
| 5 | 27 | 86.151 | 86.160 | 0.009 |
| 5 | 28 | 86.062 | 86.062 | 0.000 |
| 5 | 29 | 85.890 | 85.883 | -0.007 |
| 10 | 30 | 85.845 | 85.932 | 0.087 |
| 10 | 31 | 86.085 | 86.173 | 0.088 |
| 10 | 32 | 86.163 | 86.257 | 0.094 |
| 10 | 33 | 85.863 | 85.956 | 0.093 |
| 10 | 34 | 86.116 | 86.176 | 0.060 |
| 15 | 35 | 86.015 | 86.088 | 0.073 |
| 15 | 36 | 86.200 | 86.303 | 0.103 |
| 15 | 37 | 86.017 | 86.050 | 0.033 |
| 15 | 38 | 86.224 | 86.270 | 0.046 |
| 15 | 39 | 86.116 | 86.157 | 0.041 |
| 30 | 40 | 86.048 | 86.324 | 0.276 |
| 30 | 41 | 85.492 | 85.807 | 0.315 |
| 30 | 42 | 85.780 | 86.085 | 0.305 |
| 30 | 43 | 85.993 | 86.282 | 0.289 |
| 30 | 44 | 85.500 | 85.816 | 0.316 |
| 35 | 45 | 85.800 | 85.958 | 0.158 |
| 35 | 46 | 85.507 | 85.865 | 0.358 |
| 35 | 47 | 86.106 | 86.260 | 0.154 |
| 35 | 48 | 85.609 | 85.780 | 0.171 |
| 35 | 49 | 85.838 | 86.010 | 0.172 |
| 50 | 50 | 85.295 | 85.871 | 0.576 |
| 50 | 51 | 85.325 | 85.880 | 0.555 |
| 50 | 52 | 85.545 | 86.080 | 0.535 |
| 50 | 53 | 85.164 | 85.722 | 0.558 |
| 50 | 54 | 85.649 | 86.113 | 0.464 |
| 55 | 55 | 85.245 | 85.796 | 0.551 |
| 55 | 56 | 85.743 | 86.277 | 0.534 |
| 55 | 57 | 85.493 | 85.997 | 0.504 |
| 55 | 58 | 85.487 | 85.796 | 0.309 |
| 55 | 59 | 86.036 | 86.298 | 0.262 |
| 100 | 60 | 85.000 | 86.016 | 1.016 |
| 100 | 61 | 84.772 | 85.805 | 1.033 |
| 100 | 62 | 84.947 | 85.967 | 1.020 |
| 100 | 63 | 85.329 | 86.291 | 0.962 |
| 100 | 64 | 85.108 | 86.084 | 0.976 |
| 105 | 65 | 85.575 | 86.175 | 0.600 |
| 105 | 66 | 85.519 | 86.092 | 0.573 |
| 105 | 67 | 84.652 | 85.795 | 1.143 |
| 105 | 68 | 84.656 | 85.768 | 1.112 |
| 105 | 69 | 85.185 | 85.828 | 0.643 |
| | Max | 86.334 | 86.363 | 1.143 |
| | Average | 85.703 | 86.029 | 0.326 |
| | Min | 84.652 | 85.722 | -0.027 |
| | Std Dev | 0.431 | 0.185 | 0.347 |




| | 6.76_OH_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 86.000 | 85.754 | 85.834 | 85.932 | 86.050 | 85.807 | 85.780 | 85.722 | 85.796 | 85.805 | 85.768 |
| Average | 86.110 | 86.034 | 85.964 | 86.099 | 86.174 | 86.063 | 85.975 | 85.933 | 86.033 | 86.033 | 85.932 |
| Max | 86.324 | 86.363 | 86.160 | 86.257 | 86.303 | 86.324 | 86.260 | 86.113 | 86.298 | 86.291 | 86.175 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

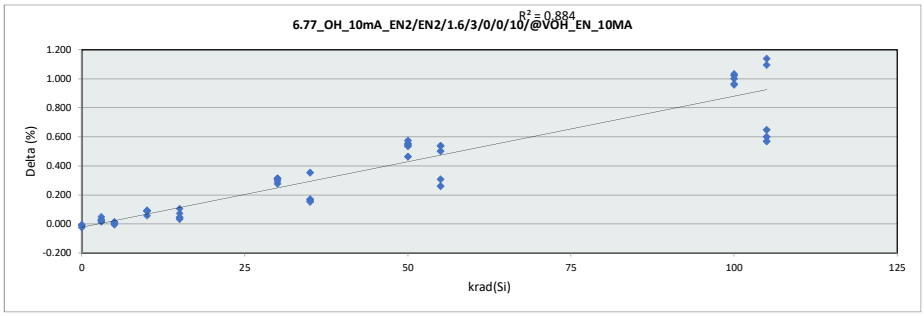


# TID HDR Report
# TPS7H3014-SP

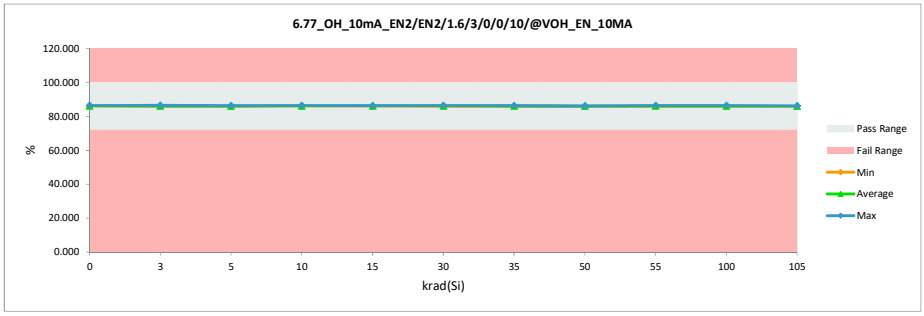
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.77_OH_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 86.436 | 86.429 | -0.007 |
| 0 | 14 | 86.118 | 86.106 | -0.012 |
| 0 | 15 | 86.207 | 86.182 | -0.025 |
| 3 | 20 | 86.080 | 86.129 | 0.049 |
| 3 | 21 | 86.471 | 86.503 | 0.032 |
| 3 | 22 | 86.022 | 86.047 | 0.025 |
| 3 | 23 | 85.886 | 85.909 | 0.023 |
| 3 | 24 | 86.118 | 86.132 | 0.014 |
| 5 | 25 | 85.951 | 85.965 | 0.014 |
| 5 | 26 | 85.922 | 85.933 | 0.011 |
| 5 | 27 | 86.295 | 86.304 | 0.009 |
| 5 | 28 | 86.272 | 86.273 | 0.001 |
| 5 | 29 | 85.964 | 85.958 | -0.006 |
| 10 | 30 | 85.964 | 86.054 | 0.090 |
| 10 | 31 | 86.214 | 86.302 | 0.088 |
| 10 | 32 | 86.342 | 86.436 | 0.094 |
| 10 | 33 | 86.131 | 86.221 | 0.090 |
| 10 | 34 | 86.246 | 86.302 | 0.056 |
| 15 | 35 | 86.129 | 86.202 | 0.073 |
| 15 | 36 | 86.234 | 86.339 | 0.105 |
| 15 | 37 | 86.041 | 86.075 | 0.034 |
| 15 | 38 | 86.314 | 86.360 | 0.046 |
| 15 | 39 | 86.302 | 86.344 | 0.042 |
| 30 | 40 | 86.167 | 86.443 | 0.276 |
| 30 | 41 | 85.678 | 85.991 | 0.313 |
| 30 | 42 | 85.926 | 86.232 | 0.306 |
| 30 | 43 | 86.079 | 86.371 | 0.292 |
| 30 | 44 | 85.676 | 85.989 | 0.313 |
| 35 | 45 | 85.900 | 86.058 | 0.158 |
| 35 | 46 | 85.645 | 85.998 | 0.353 |
| 35 | 47 | 86.221 | 86.372 | 0.151 |
| 35 | 48 | 85.866 | 86.032 | 0.166 |
| 35 | 49 | 85.896 | 86.067 | 0.171 |
| 50 | 50 | 85.404 | 85.978 | 0.574 |
| 50 | 51 | 85.431 | 85.986 | 0.555 |
| 50 | 52 | 85.624 | 86.159 | 0.535 |
| 50 | 53 | 85.474 | 86.020 | 0.546 |
| 50 | 54 | 85.758 | 86.221 | 0.463 |
| 55 | 55 | 85.448 | 85.987 | 0.539 |
| 55 | 56 | 85.841 | 86.378 | 0.537 |
| 55 | 57 | 85.651 | 86.152 | 0.501 |
| 55 | 58 | 85.631 | 85.938 | 0.307 |
| 55 | 59 | 86.159 | 86.419 | 0.260 |
| 100 | 60 | 85.202 | 86.203 | 1.001 |
| 100 | 61 | 84.867 | 85.900 | 1.033 |
| 100 | 62 | 85.031 | 86.054 | 1.023 |
| 100 | 63 | 85.470 | 86.428 | 0.958 |
| 100 | 64 | 85.263 | 86.227 | 0.964 |
| 105 | 65 | 85.689 | 86.289 | 0.600 |
| 105 | 66 | 85.717 | 86.286 | 0.569 |
| 105 | 67 | 84.811 | 85.949 | 1.138 |
| 105 | 68 | 84.885 | 85.980 | 1.095 |
| 105 | 69 | 85.249 | 85.897 | 0.648 |
| | Max | 86.471 | 86.503 | 1.138 |
| | Average | 85.836 | 86.161 | 0.324 |
| | Min | 84.811 | 85.897 | -0.025 |
| | Std Dev | 0.418 | 0.175 | 0.344 |




| | 6.77_OH_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 86.106 | 85.909 | 85.933 | 86.054 | 86.075 | 85.989 | 85.998 | 85.978 | 85.938 | 85.900 | 85.897 |
| Average | 86.239 | 86.144 | 86.087 | 86.263 | 86.264 | 86.205 | 86.105 | 86.073 | 86.175 | 86.162 | 86.080 |
| Max | 86.429 | 86.503 | 86.304 | 86.436 | 86.360 | 86.443 | 86.372 | 86.221 | 86.419 | 86.428 | 86.289 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

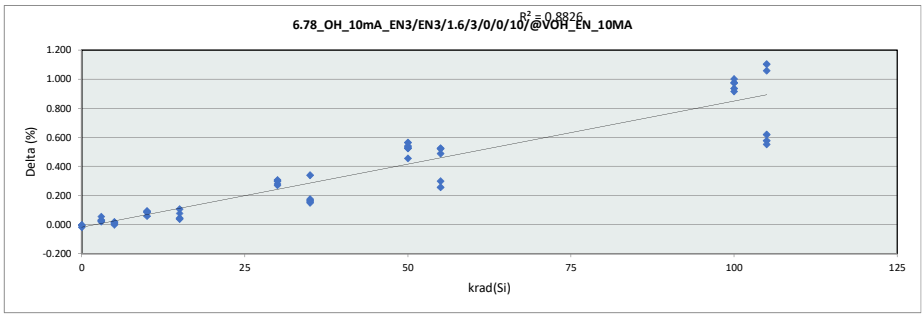


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

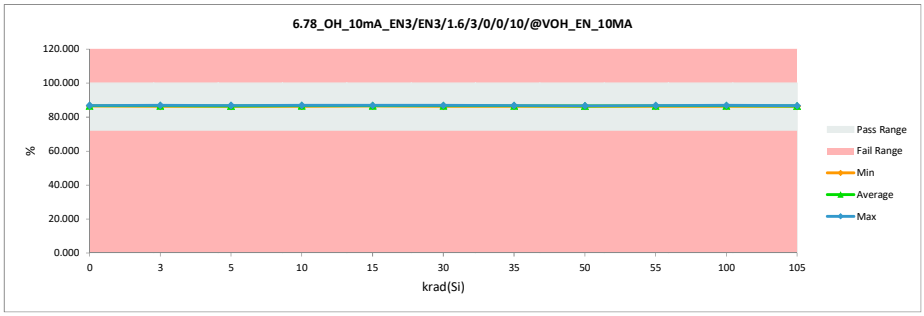
| | 6.78_OH_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 86.779 | 86.775 | -0.004 |
| 0 | 14 | 86.528 | 86.524 | -0.004 |
| 0 | 15 | 86.623 | 86.604 | -0.019 |
| 3 | 20 | 86.588 | 86.643 | 0.055 |
| 3 | 21 | 86.920 | 86.952 | 0.032 |
| 3 | 22 | 86.500 | 86.529 | 0.029 |
| 3 | 23 | 86.292 | 86.318 | 0.026 |
| 3 | 24 | 86.588 | 86.608 | 0.020 |
| 5 | 25 | 86.340 | 86.358 | 0.018 |
| 5 | 26 | 86.309 | 86.323 | 0.014 |
| 5 | 27 | 86.720 | 86.730 | 0.010 |
| 5 | 28 | 86.839 | 86.844 | 0.005 |
| 5 | 29 | 86.426 | 86.424 | -0.002 |
| 10 | 30 | 86.322 | 86.410 | 0.088 |
| 10 | 31 | 86.744 | 86.829 | 0.085 |
| 10 | 32 | 86.821 | 86.915 | 0.094 |
| 10 | 33 | 86.605 | 86.696 | 0.091 |
| 10 | 34 | 86.727 | 86.785 | 0.058 |
| 15 | 35 | 86.537 | 86.614 | 0.077 |
| 15 | 36 | 86.599 | 86.705 | 0.106 |
| 15 | 37 | 86.462 | 86.500 | 0.038 |
| 15 | 38 | 86.826 | 86.872 | 0.046 |
| 15 | 39 | 86.808 | 86.850 | 0.042 |
| 30 | 40 | 86.672 | 86.942 | 0.270 |
| 30 | 41 | 86.239 | 86.542 | 0.303 |
| 30 | 42 | 86.496 | 86.793 | 0.297 |
| 30 | 43 | 86.625 | 86.904 | 0.279 |
| 30 | 44 | 86.066 | 86.374 | 0.308 |
| 35 | 45 | 86.389 | 86.549 | 0.160 |
| 35 | 46 | 86.109 | 86.449 | 0.340 |
| 35 | 47 | 86.709 | 86.859 | 0.150 |
| 35 | 48 | 86.382 | 86.550 | 0.168 |
| 35 | 49 | 86.296 | 86.471 | 0.175 |
| 50 | 50 | 85.792 | 86.356 | 0.564 |
| 50 | 51 | 85.919 | 86.459 | 0.540 |
| 50 | 52 | 86.066 | 86.594 | 0.528 |
| 50 | 53 | 86.036 | 86.560 | 0.524 |
| 50 | 54 | 86.200 | 86.655 | 0.455 |
| 55 | 55 | 85.931 | 86.456 | 0.525 |
| 55 | 56 | 86.269 | 86.791 | 0.522 |
| 55 | 57 | 86.160 | 86.649 | 0.489 |
| 55 | 58 | 86.073 | 86.371 | 0.298 |
| 55 | 59 | 86.599 | 86.855 | 0.256 |
| 100 | 60 | 85.659 | 86.633 | 0.974 |
| 100 | 61 | 85.304 | 86.305 | 1.001 |
| 100 | 62 | 85.553 | 86.529 | 0.976 |
| 100 | 63 | 85.975 | 86.891 | 0.916 |
| 100 | 64 | 85.723 | 86.659 | 0.936 |
| 105 | 65 | 86.162 | 86.739 | 0.577 |
| 105 | 66 | 86.168 | 86.720 | 0.552 |
| 105 | 67 | 85.238 | 86.341 | 1.103 |
| 105 | 68 | 85.321 | 86.379 | 1.058 |
| 105 | 69 | 85.720 | 86.339 | 0.619 |
| | Max | 86.920 | 86.952 | 1.103 |
| | Average | 86.297 | 86.614 | 0.316 |
| | Min | 85.238 | 86.305 | -0.019 |
| | Std Dev | 0.420 | 0.193 | 0.331 |




| | 6.78_OH_10mA_EN3/EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 100 % |
| Min Limit | 72 % |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 86.524 | 86.318 | 86.323 | 86.410 | 86.500 | 86.374 | 86.449 | 86.356 | 86.371 | 86.305 | 86.339 |
| Average | 86.634 | 86.610 | 86.536 | 86.727 | 86.708 | 86.711 | 86.576 | 86.525 | 86.624 | 86.603 | 86.504 |
| Max | 86.775 | 86.952 | 86.844 | 86.915 | 86.872 | 86.942 | 86.859 | 86.655 | 86.855 | 86.891 | 86.739 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

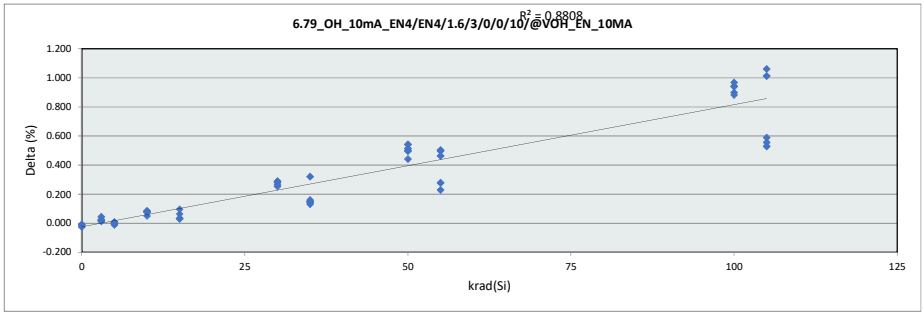


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

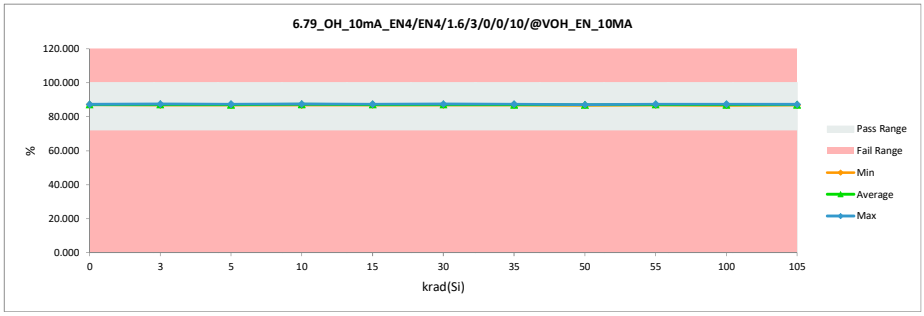
| | 6.79_OH_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 87.316 | 87.308 | -0.008 |
| 0 | 14 | 87.119 | 87.106 | -0.013 |
| 0 | 15 | 87.141 | 87.115 | -0.026 |
| 3 | 20 | 87.160 | 87.204 | 0.044 |
| 3 | 21 | 87.474 | 87.500 | 0.026 |
| 3 | 22 | 87.095 | 87.115 | 0.020 |
| 3 | 23 | 86.851 | 86.871 | 0.020 |
| 3 | 24 | 87.192 | 87.204 | 0.012 |
| 5 | 25 | 86.859 | 86.868 | 0.009 |
| 5 | 26 | 86.869 | 86.874 | 0.005 |
| 5 | 27 | 87.288 | 87.294 | 0.006 |
| 5 | 28 | 87.394 | 87.390 | -0.004 |
| 5 | 29 | 86.926 | 86.914 | -0.012 |
| 10 | 30 | 86.854 | 86.936 | 0.082 |
| 10 | 31 | 87.308 | 87.382 | 0.074 |
| 10 | 32 | 87.384 | 87.468 | 0.084 |
| 10 | 33 | 87.136 | 87.217 | 0.081 |
| 10 | 34 | 87.319 | 87.369 | 0.050 |
| 15 | 35 | 87.095 | 87.159 | 0.064 |
| 15 | 36 | 87.116 | 87.212 | 0.096 |
| 15 | 37 | 86.979 | 87.010 | 0.031 |
| 15 | 38 | 87.381 | 87.415 | 0.034 |
| 15 | 39 | 87.358 | 87.389 | 0.031 |
| 30 | 40 | 87.205 | 87.459 | 0.254 |
| 30 | 41 | 86.767 | 87.053 | 0.286 |
| 30 | 42 | 87.023 | 87.303 | 0.280 |
| 30 | 43 | 87.165 | 87.430 | 0.265 |
| 30 | 44 | 86.620 | 86.910 | 0.290 |
| 35 | 45 | 86.964 | 87.105 | 0.141 |
| 35 | 46 | 86.680 | 87.000 | 0.320 |
| 35 | 47 | 87.266 | 87.397 | 0.131 |
| 35 | 48 | 86.958 | 87.107 | 0.149 |
| 35 | 49 | 86.858 | 87.017 | 0.159 |
| 50 | 50 | 86.271 | 86.813 | 0.542 |
| 50 | 51 | 86.494 | 87.008 | 0.514 |
| 50 | 52 | 86.647 | 87.143 | 0.496 |
| 50 | 53 | 86.574 | 87.073 | 0.499 |
| 50 | 54 | 86.691 | 87.133 | 0.442 |
| 55 | 55 | 86.476 | 86.979 | 0.503 |
| 55 | 56 | 86.843 | 87.340 | 0.497 |
| 55 | 57 | 86.722 | 87.185 | 0.463 |
| 55 | 58 | 86.619 | 86.897 | 0.278 |
| 55 | 59 | 87.200 | 87.429 | 0.229 |
| 100 | 60 | 86.228 | 87.167 | 0.939 |
| 100 | 61 | 85.864 | 86.832 | 0.968 |
| 100 | 62 | 86.143 | 87.086 | 0.943 |
| 100 | 63 | 86.545 | 87.427 | 0.882 |
| 100 | 64 | 86.293 | 87.192 | 0.899 |
| 105 | 65 | 86.707 | 87.263 | 0.556 |
| 105 | 66 | 86.746 | 87.274 | 0.528 |
| 105 | 67 | 85.827 | 86.888 | 1.061 |
| 105 | 68 | 85.964 | 86.976 | 1.012 |
| 105 | 69 | 86.270 | 86.859 | 0.589 |
| | Max | 87.474 | 87.500 | 1.061 |
| | Average | 86.854 | 87.152 | 0.299 |
| | Min | 85.827 | 86.813 | -0.026 |
| | Std Dev | 0.415 | 0.198 | 0.321 |




| | 6.79_OH_10mA_EN4/EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 100 % |
| Min Limit | 72 % |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 87.106 | 86.871 | 86.868 | 86.936 | 87.010 | 86.910 | 87.000 | 86.813 | 86.897 | 86.832 | 86.859 |
| Average | 87.176 | 87.179 | 87.068 | 87.274 | 87.237 | 87.231 | 87.125 | 87.034 | 87.166 | 87.141 | 87.052 |
| Max | 87.308 | 87.500 | 87.390 | 87.468 | 87.415 | 87.459 | 87.397 | 87.143 | 87.429 | 87.427 | 87.274 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

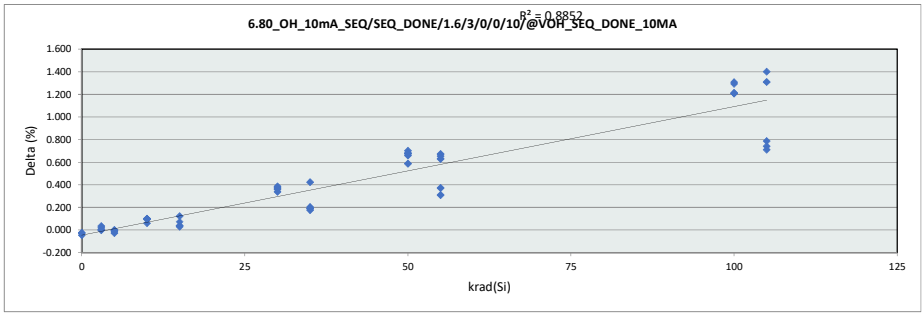


# TID HDR Report
# TPS7H3014-SP

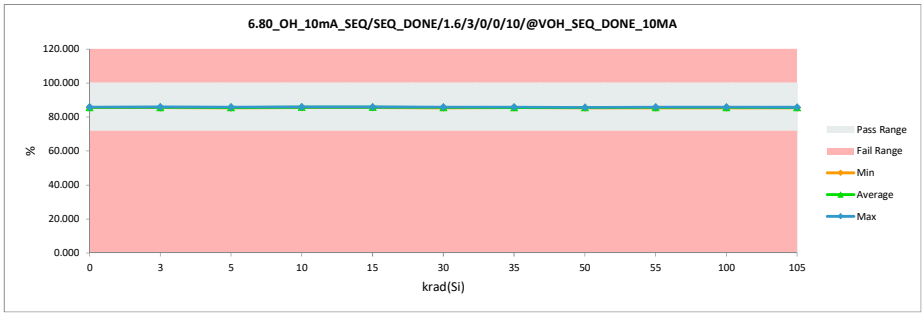
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.80_OH_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 85.899 | 85.875 | -0.024 |
| 0 | 14 | 85.708 | 85.679 | -0.029 |
| 0 | 15 | 85.724 | 85.677 | -0.047 |
| 3 | 20 | 85.779 | 85.814 | 0.035 |
| 3 | 21 | 86.004 | 86.027 | 0.023 |
| 3 | 22 | 85.632 | 85.640 | 0.008 |
| 3 | 23 | 85.503 | 85.505 | 0.002 |
| 3 | 24 | 85.688 | 85.686 | -0.002 |
| 5 | 25 | 85.386 | 85.387 | 0.001 |
| 5 | 26 | 85.389 | 85.382 | -0.007 |
| 5 | 27 | 85.771 | 85.767 | -0.004 |
| 5 | 28 | 85.931 | 85.917 | -0.014 |
| 5 | 29 | 85.553 | 85.525 | -0.028 |
| 10 | 30 | 85.484 | 85.579 | 0.095 |
| 10 | 31 | 85.748 | 85.849 | 0.101 |
| 10 | 32 | 85.863 | 85.962 | 0.099 |
| 10 | 33 | 85.603 | 85.702 | 0.099 |
| 10 | 34 | 85.788 | 85.848 | 0.060 |
| 15 | 35 | 85.641 | 85.714 | 0.073 |
| 15 | 36 | 85.676 | 85.798 | 0.122 |
| 15 | 37 | 85.618 | 85.647 | 0.029 |
| 15 | 38 | 85.969 | 86.008 | 0.039 |
| 15 | 39 | 85.840 | 85.877 | 0.037 |
| 30 | 40 | 85.620 | 85.957 | 0.337 |
| 30 | 41 | 85.081 | 85.467 | 0.386 |
| 30 | 42 | 85.428 | 85.795 | 0.367 |
| 30 | 43 | 85.487 | 85.847 | 0.360 |
| 30 | 44 | 85.209 | 85.583 | 0.374 |
| 35 | 45 | 85.375 | 85.567 | 0.192 |
| 35 | 46 | 85.115 | 85.538 | 0.423 |
| 35 | 47 | 85.709 | 85.884 | 0.175 |
| 35 | 48 | 85.562 | 85.752 | 0.190 |
| 35 | 49 | 85.328 | 85.532 | 0.204 |
| 50 | 50 | 84.742 | 85.443 | 0.701 |
| 50 | 51 | 84.902 | 85.582 | 0.680 |
| 50 | 52 | 85.034 | 85.693 | 0.659 |
| 50 | 53 | 84.847 | 85.521 | 0.674 |
| 50 | 54 | 85.099 | 85.685 | 0.586 |
| 55 | 55 | 84.821 | 85.492 | 0.671 |
| 55 | 56 | 85.164 | 85.816 | 0.652 |
| 55 | 57 | 85.012 | 85.641 | 0.629 |
| 55 | 58 | 85.081 | 85.453 | 0.372 |
| 55 | 59 | 85.628 | 85.938 | 0.310 |
| 100 | 60 | 84.411 | 85.704 | 1.293 |
| 100 | 61 | 84.063 | 85.370 | 1.307 |
| 100 | 62 | 84.619 | 85.826 | 1.207 |
| 100 | 63 | 84.728 | 85.939 | 1.211 |
| 100 | 64 | 84.468 | 85.675 | 1.207 |
| 105 | 65 | 85.076 | 85.817 | 0.741 |
| 105 | 66 | 85.140 | 85.850 | 0.710 |
| 105 | 67 | 84.025 | 85.425 | 1.400 |
| 105 | 68 | 84.224 | 85.533 | 1.309 |
| 105 | 69 | 84.601 | 85.387 | 0.786 |
| | Max | 86.004 | 86.027 | 1.400 |
| | Average | 85.298 | 85.690 | 0.392 |
| | Min | 84.025 | 85.370 | -0.047 |
| | Std Dev | 0.506 | 0.182 | 0.432 |




| | 6.80_OH_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 85.677 | 85.505 | 85.382 | 85.579 | 85.647 | 85.467 | 85.532 | 85.443 | 85.453 | 85.370 | 85.387 |
| Average | 85.744 | 85.734 | 85.596 | 85.788 | 85.809 | 85.730 | 85.655 | 85.585 | 85.668 | 85.703 | 85.602 |
| Max | 85.875 | 86.027 | 85.917 | 85.962 | 86.008 | 85.957 | 85.884 | 85.693 | 85.938 | 85.939 | 85.850 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

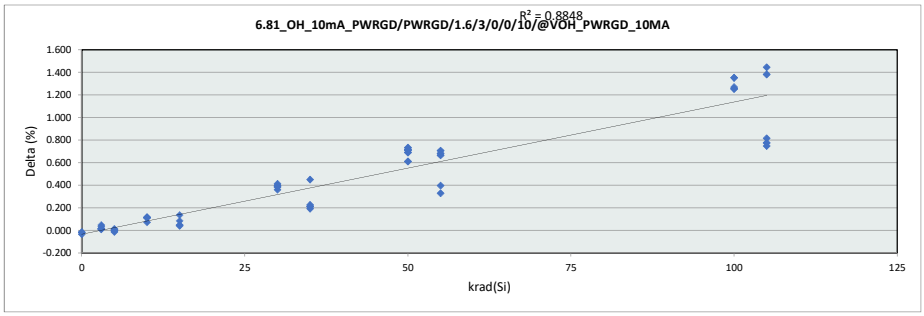


# TID HDR Report
# TPS7H3014-SP

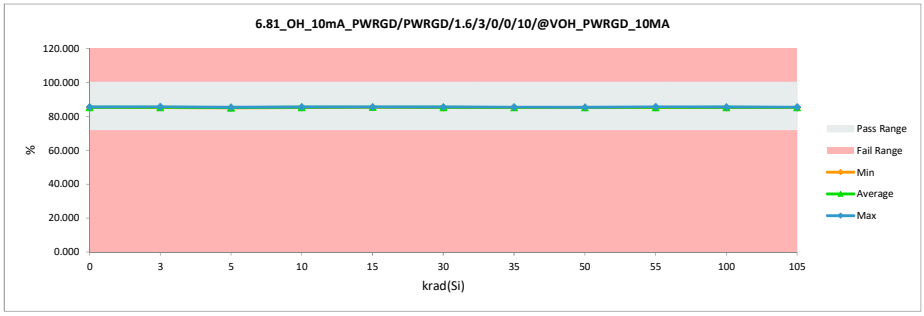
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.81_OH_10mA_PWRGD/F | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 85.622 | 85.607 | -0.015 |
| 0 | 14 | 85.353 | 85.336 | -0.017 |
| 0 | 15 | 85.364 | 85.330 | -0.034 |
| 3 | 20 | 85.501 | 85.549 | 0.048 |
| 3 | 21 | 85.692 | 85.726 | 0.034 |
| 3 | 22 | 85.295 | 85.311 | 0.016 |
| 3 | 23 | 85.201 | 85.216 | 0.015 |
| 3 | 24 | 85.275 | 85.285 | 0.010 |
| 5 | 25 | 85.080 | 85.094 | 0.014 |
| 5 | 26 | 85.058 | 85.060 | 0.002 |
| 5 | 27 | 85.431 | 85.438 | 0.007 |
| 5 | 28 | 85.442 | 85.440 | -0.002 |
| 5 | 29 | 85.137 | 85.124 | -0.013 |
| 10 | 30 | 85.146 | 85.258 | 0.112 |
| 10 | 31 | 85.371 | 85.490 | 0.119 |
| 10 | 32 | 85.450 | 85.564 | 0.114 |
| 10 | 33 | 85.262 | 85.375 | 0.113 |
| 10 | 34 | 85.446 | 85.517 | 0.071 |
| 15 | 35 | 85.366 | 85.451 | 0.085 |
| 15 | 36 | 85.322 | 85.458 | 0.136 |
| 15 | 37 | 85.282 | 85.322 | 0.040 |
| 15 | 38 | 85.595 | 85.642 | 0.047 |
| 15 | 39 | 85.501 | 85.549 | 0.048 |
| 30 | 40 | 85.262 | 85.622 | 0.360 |
| 30 | 41 | 84.687 | 85.100 | 0.413 |
| 30 | 42 | 85.036 | 85.428 | 0.392 |
| 30 | 43 | 85.079 | 85.462 | 0.383 |
| 30 | 44 | 84.812 | 85.212 | 0.400 |
| 35 | 45 | 85.036 | 85.250 | 0.214 |
| 35 | 46 | 84.765 | 85.215 | 0.450 |
| 35 | 47 | 85.324 | 85.516 | 0.192 |
| 35 | 48 | 85.071 | 85.281 | 0.210 |
| 35 | 49 | 84.996 | 85.222 | 0.226 |
| 50 | 50 | 84.395 | 85.128 | 0.733 |
| 50 | 51 | 84.555 | 85.270 | 0.715 |
| 50 | 52 | 84.711 | 85.401 | 0.690 |
| 50 | 53 | 84.435 | 85.145 | 0.710 |
| 50 | 54 | 84.764 | 85.375 | 0.611 |
| 55 | 55 | 84.446 | 85.152 | 0.706 |
| 55 | 56 | 84.869 | 85.551 | 0.682 |
| 55 | 57 | 84.596 | 85.261 | 0.665 |
| 55 | 58 | 84.701 | 85.098 | 0.397 |
| 55 | 59 | 85.330 | 85.659 | 0.329 |
| 100 | 60 | 83.996 | 85.348 | 1.352 |
| 100 | 61 | 83.773 | 85.125 | 1.352 |
| 100 | 62 | 84.239 | 85.493 | 1.254 |
| 100 | 63 | 84.330 | 85.599 | 1.269 |
| 100 | 64 | 84.094 | 85.347 | 1.253 |
| 105 | 65 | 84.684 | 85.459 | 0.775 |
| 105 | 66 | 84.797 | 85.544 | 0.747 |
| 105 | 67 | 83.702 | 85.147 | 1.445 |
| 105 | 68 | 83.741 | 85.122 | 1.381 |
| 105 | 69 | 84.289 | 85.104 | 0.815 |
| | Max | 85.692 | 85.726 | 1.445 |
| | Average | 84.938 | 85.354 | 0.416 |
| | Min | 83.702 | 85.060 | -0.034 |
| | Std Dev | 0.513 | 0.179 | 0.446 |




| | 6.81_OH_10mA_PWRGD_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 85.330 | 85.216 | 85.060 | 85.258 | 85.322 | 85.100 | 85.215 | 85.128 | 85.098 | 85.125 | 85.104 |
| Average | 85.424 | 85.417 | 85.231 | 85.441 | 85.484 | 85.365 | 85.297 | 85.264 | 85.344 | 85.382 | 85.275 |
| Max | 85.607 | 85.726 | 85.440 | 85.564 | 85.642 | 85.622 | 85.516 | 85.401 | 85.659 | 85.599 | 85.544 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

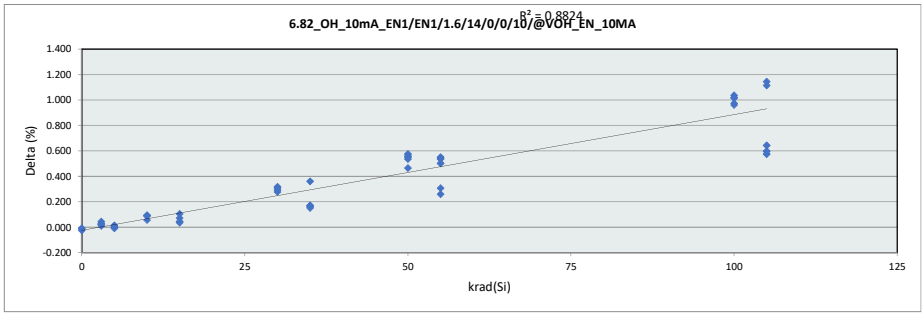


# TID HDR Report
# TPS7H3014-SP

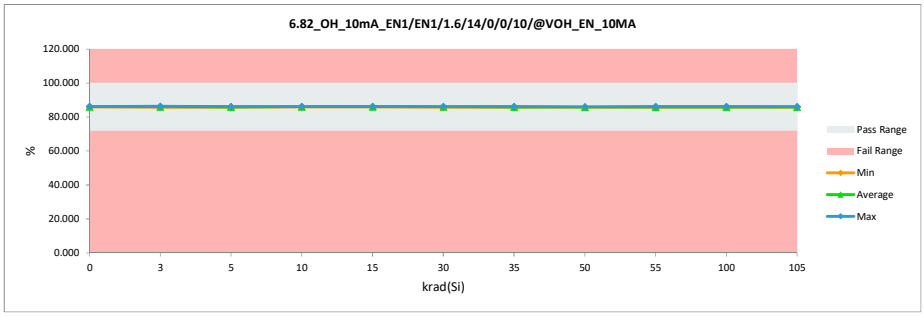
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.82_OH_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 86.322 | 86.314 | -0.008 |
| 0 | 14 | 86.002 | 85.990 | -0.012 |
| 0 | 15 | 86.020 | 85.995 | -0.025 |
| 3 | 20 | 86.052 | 86.097 | 0.045 |
| 3 | 21 | 86.325 | 86.355 | 0.030 |
| 3 | 22 | 85.850 | 85.874 | 0.024 |
| 3 | 23 | 85.721 | 85.743 | 0.022 |
| 3 | 24 | 86.046 | 86.057 | 0.011 |
| 5 | 25 | 85.856 | 85.870 | 0.014 |
| 5 | 26 | 85.815 | 85.823 | 0.008 |
| 5 | 27 | 86.140 | 86.150 | 0.010 |
| 5 | 28 | 86.056 | 86.053 | -0.003 |
| 5 | 29 | 85.883 | 85.875 | -0.008 |
| 10 | 30 | 85.835 | 85.924 | 0.089 |
| 10 | 31 | 86.075 | 86.165 | 0.090 |
| 10 | 32 | 86.152 | 86.247 | 0.095 |
| 10 | 33 | 85.854 | 85.946 | 0.092 |
| 10 | 34 | 86.110 | 86.167 | 0.057 |
| 15 | 35 | 86.007 | 86.079 | 0.072 |
| 15 | 36 | 86.190 | 86.295 | 0.105 |
| 15 | 37 | 86.007 | 86.042 | 0.035 |
| 15 | 38 | 86.217 | 86.262 | 0.045 |
| 15 | 39 | 86.104 | 86.146 | 0.042 |
| 30 | 40 | 86.039 | 86.317 | 0.278 |
| 30 | 41 | 85.481 | 85.799 | 0.318 |
| 30 | 42 | 85.772 | 86.077 | 0.305 |
| 30 | 43 | 85.982 | 86.274 | 0.292 |
| 30 | 44 | 85.489 | 85.806 | 0.317 |
| 35 | 45 | 85.789 | 85.950 | 0.161 |
| 35 | 46 | 85.495 | 85.856 | 0.361 |
| 35 | 47 | 86.100 | 86.252 | 0.152 |
| 35 | 48 | 85.602 | 85.772 | 0.170 |
| 35 | 49 | 85.827 | 85.998 | 0.171 |
| 50 | 50 | 85.286 | 85.862 | 0.576 |
| 50 | 51 | 85.318 | 85.872 | 0.554 |
| 50 | 52 | 85.534 | 86.071 | 0.537 |
| 50 | 53 | 85.155 | 85.714 | 0.559 |
| 50 | 54 | 85.639 | 86.105 | 0.466 |
| 55 | 55 | 85.236 | 85.787 | 0.551 |
| 55 | 56 | 85.729 | 86.267 | 0.538 |
| 55 | 57 | 85.483 | 85.986 | 0.503 |
| 55 | 58 | 85.479 | 85.786 | 0.307 |
| 55 | 59 | 86.026 | 86.287 | 0.261 |
| 100 | 60 | 84.990 | 86.005 | 1.015 |
| 100 | 61 | 84.760 | 85.797 | 1.037 |
| 100 | 62 | 84.937 | 85.959 | 1.022 |
| 100 | 63 | 85.320 | 86.282 | 0.962 |
| 100 | 64 | 85.098 | 86.073 | 0.975 |
| 105 | 65 | 85.567 | 86.165 | 0.598 |
| 105 | 66 | 85.510 | 86.085 | 0.575 |
| 105 | 67 | 84.640 | 85.785 | 1.145 |
| 105 | 68 | 84.645 | 85.759 | 1.114 |
| 105 | 69 | 85.175 | 85.818 | 0.643 |
| | Max | 86.325 | 86.355 | 1.145 |
| | Average | 85.693 | 86.020 | 0.326 |
| | Min | 84.640 | 85.714 | -0.025 |
| | Std Dev | 0.431 | 0.185 | 0.347 |




| | 6.82_OH_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 85.990 | 85.743 | 85.823 | 85.924 | 86.042 | 85.799 | 85.772 | 85.714 | 85.786 | 85.797 | 85.759 |
| Average | 86.100 | 86.025 | 85.954 | 86.090 | 86.165 | 86.055 | 85.966 | 85.925 | 86.023 | 86.023 | 85.922 |
| Max | 86.314 | 86.355 | 86.150 | 86.247 | 86.295 | 86.317 | 86.252 | 86.105 | 86.287 | 86.282 | 86.165 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

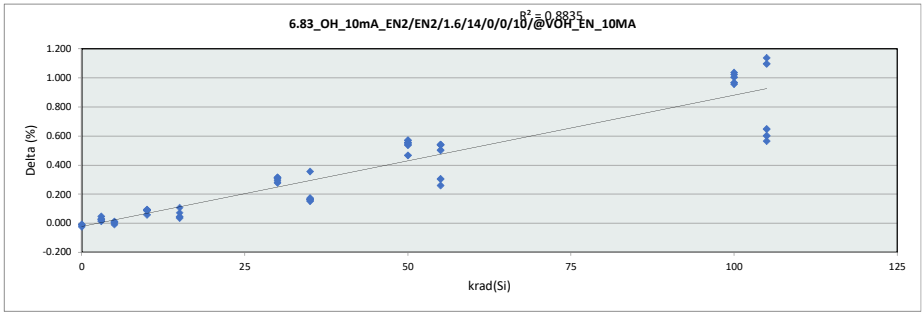


# TID HDR Report
# TPS7H3014-SP

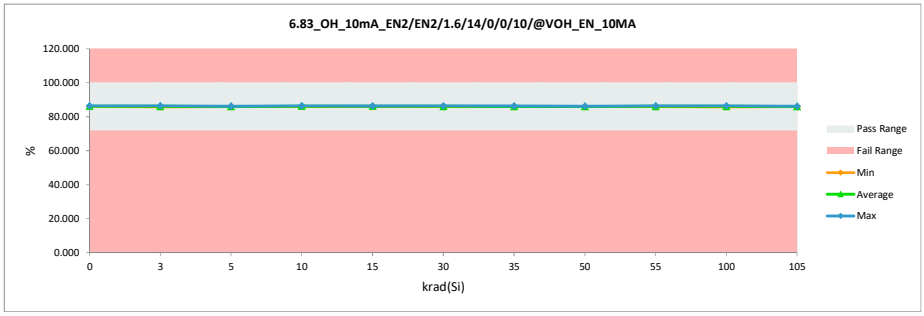
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.83_OH_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 86.426 | 86.418 | -0.008 |
| 0 | 14 | 86.107 | 86.096 | -0.011 |
| 0 | 15 | 86.196 | 86.172 | -0.024 |
| 3 | 20 | 86.072 | 86.119 | 0.047 |
| 3 | 21 | 86.463 | 86.494 | 0.031 |
| 3 | 22 | 86.012 | 86.036 | 0.024 |
| 3 | 23 | 85.875 | 85.900 | 0.025 |
| 3 | 24 | 86.110 | 86.124 | 0.014 |
| 5 | 25 | 85.941 | 85.954 | 0.013 |
| 5 | 26 | 85.914 | 85.921 | 0.007 |
| 5 | 27 | 86.285 | 86.294 | 0.009 |
| 5 | 28 | 86.264 | 86.266 | 0.002 |
| 5 | 29 | 85.958 | 85.949 | -0.009 |
| 10 | 30 | 85.956 | 86.042 | 0.086 |
| 10 | 31 | 86.204 | 86.296 | 0.092 |
| 10 | 32 | 86.332 | 86.427 | 0.095 |
| 10 | 33 | 86.121 | 86.210 | 0.089 |
| 10 | 34 | 86.235 | 86.293 | 0.058 |
| 15 | 35 | 86.121 | 86.193 | 0.072 |
| 15 | 36 | 86.224 | 86.332 | 0.108 |
| 15 | 37 | 86.031 | 86.066 | 0.035 |
| 15 | 38 | 86.305 | 86.351 | 0.046 |
| 15 | 39 | 86.291 | 86.334 | 0.043 |
| 30 | 40 | 86.159 | 86.437 | 0.278 |
| 30 | 41 | 85.667 | 85.983 | 0.316 |
| 30 | 42 | 85.917 | 86.224 | 0.307 |
| 30 | 43 | 86.069 | 86.362 | 0.293 |
| 30 | 44 | 85.665 | 85.979 | 0.314 |
| 35 | 45 | 85.889 | 86.050 | 0.161 |
| 35 | 46 | 85.632 | 85.988 | 0.356 |
| 35 | 47 | 86.212 | 86.364 | 0.152 |
| 35 | 48 | 85.859 | 86.023 | 0.164 |
| 35 | 49 | 85.885 | 86.058 | 0.173 |
| 50 | 50 | 85.396 | 85.967 | 0.571 |
| 50 | 51 | 85.423 | 85.978 | 0.555 |
| 50 | 52 | 85.611 | 86.149 | 0.538 |
| 50 | 53 | 85.465 | 86.011 | 0.546 |
| 50 | 54 | 85.747 | 86.214 | 0.467 |
| 55 | 55 | 85.438 | 85.978 | 0.540 |
| 55 | 56 | 85.827 | 86.367 | 0.540 |
| 55 | 57 | 85.641 | 86.143 | 0.502 |
| 55 | 58 | 85.623 | 85.927 | 0.304 |
| 55 | 59 | 86.149 | 86.409 | 0.260 |
| 100 | 60 | 85.189 | 86.194 | 1.005 |
| 100 | 61 | 84.854 | 85.891 | 1.037 |
| 100 | 62 | 85.021 | 86.044 | 1.023 |
| 100 | 63 | 85.462 | 86.419 | 0.957 |
| 100 | 64 | 85.251 | 86.218 | 0.967 |
| 105 | 65 | 85.678 | 86.280 | 0.602 |
| 105 | 66 | 85.711 | 86.277 | 0.566 |
| 105 | 67 | 84.800 | 85.938 | 1.138 |
| 105 | 68 | 84.874 | 85.970 | 1.096 |
| 105 | 69 | 85.239 | 85.887 | 0.648 |
| | Max | 86.463 | 86.494 | 1.138 |
| | Average | 85.826 | 86.151 | 0.325 |
| | Min | 84.800 | 85.887 | -0.024 |
| | Std Dev | 0.418 | 0.175 | 0.345 |




| | 6.83_OH_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 86.096 | 85.900 | 85.921 | 86.042 | 86.066 | 85.979 | 85.988 | 85.967 | 85.927 | 85.891 | 85.887 |
| Average | 86.229 | 86.135 | 86.077 | 86.254 | 86.255 | 86.197 | 86.097 | 86.064 | 86.165 | 86.153 | 86.070 |
| Max | 86.418 | 86.494 | 86.294 | 86.427 | 86.351 | 86.437 | 86.364 | 86.214 | 86.409 | 86.419 | 86.280 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

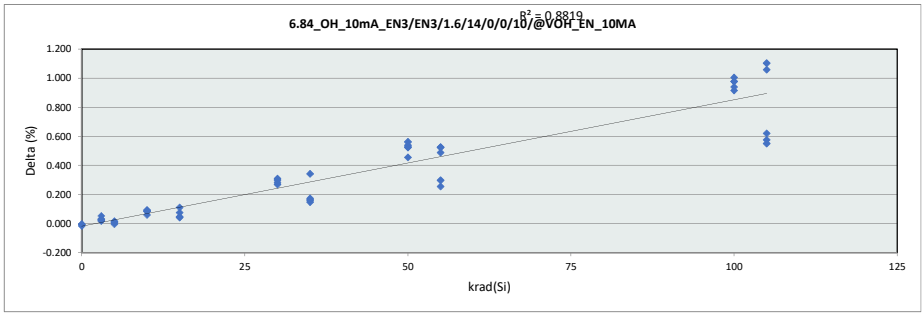


# TID HDR Report
# TPS7H3014-SP

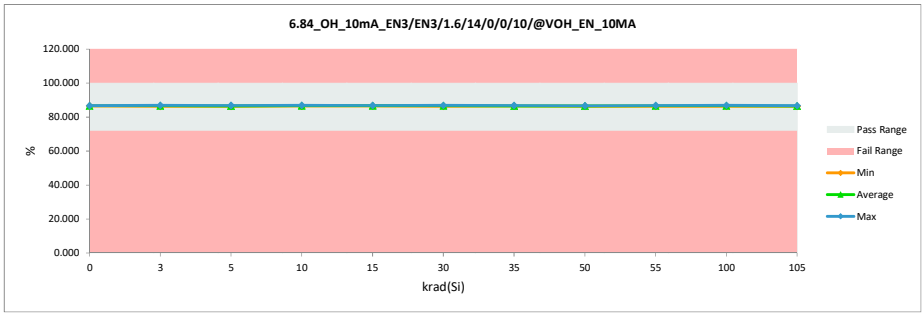
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.84_OH_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 86.770 | 86.764 | -0.006 |
| 0 | 14 | 86.517 | 86.513 | -0.004 |
| 0 | 15 | 86.609 | 86.593 | -0.016 |
| 3 | 20 | 86.580 | 86.632 | 0.052 |
| 3 | 21 | 86.911 | 86.943 | 0.032 |
| 3 | 22 | 86.490 | 86.519 | 0.029 |
| 3 | 23 | 86.282 | 86.307 | 0.025 |
| 3 | 24 | 86.579 | 86.597 | 0.018 |
| 5 | 25 | 86.330 | 86.347 | 0.017 |
| 5 | 26 | 86.301 | 86.313 | 0.012 |
| 5 | 27 | 86.710 | 86.720 | 0.010 |
| 5 | 28 | 86.830 | 86.834 | 0.004 |
| 5 | 29 | 86.419 | 86.414 | -0.005 |
| 10 | 30 | 86.313 | 86.399 | 0.086 |
| 10 | 31 | 86.734 | 86.819 | 0.085 |
| 10 | 32 | 86.810 | 86.904 | 0.094 |
| 10 | 33 | 86.593 | 86.685 | 0.092 |
| 10 | 34 | 86.716 | 86.775 | 0.059 |
| 15 | 35 | 86.529 | 86.605 | 0.076 |
| 15 | 36 | 86.588 | 86.699 | 0.111 |
| 15 | 37 | 86.449 | 86.490 | 0.041 |
| 15 | 38 | 86.817 | 86.864 | 0.047 |
| 15 | 39 | 86.797 | 86.841 | 0.044 |
| 30 | 40 | 86.664 | 86.933 | 0.269 |
| 30 | 41 | 86.227 | 86.532 | 0.305 |
| 30 | 42 | 86.488 | 86.784 | 0.296 |
| 30 | 43 | 86.613 | 86.894 | 0.281 |
| 30 | 44 | 86.053 | 86.363 | 0.310 |
| 35 | 45 | 86.378 | 86.538 | 0.160 |
| 35 | 46 | 86.097 | 86.439 | 0.342 |
| 35 | 47 | 86.703 | 86.850 | 0.147 |
| 35 | 48 | 86.375 | 86.540 | 0.165 |
| 35 | 49 | 86.284 | 86.458 | 0.174 |
| 50 | 50 | 85.784 | 86.346 | 0.562 |
| 50 | 51 | 85.909 | 86.448 | 0.539 |
| 50 | 52 | 86.056 | 86.584 | 0.528 |
| 50 | 53 | 86.026 | 86.549 | 0.523 |
| 50 | 54 | 86.189 | 86.645 | 0.456 |
| 55 | 55 | 85.921 | 86.446 | 0.525 |
| 55 | 56 | 86.256 | 86.780 | 0.524 |
| 55 | 57 | 86.150 | 86.639 | 0.489 |
| 55 | 58 | 86.064 | 86.361 | 0.297 |
| 55 | 59 | 86.589 | 86.844 | 0.255 |
| 100 | 60 | 85.645 | 86.621 | 0.976 |
| 100 | 61 | 85.291 | 86.296 | 1.005 |
| 100 | 62 | 85.541 | 86.520 | 0.979 |
| 100 | 63 | 85.965 | 86.881 | 0.916 |
| 100 | 64 | 85.709 | 86.648 | 0.939 |
| 105 | 65 | 86.152 | 86.728 | 0.576 |
| 105 | 66 | 86.162 | 86.712 | 0.550 |
| 105 | 67 | 85.227 | 86.330 | 1.103 |
| 105 | 68 | 85.309 | 86.368 | 1.059 |
| 105 | 69 | 85.709 | 86.329 | 0.620 |
| | Max | 86.911 | 86.943 | 1.103 |
| | Average | 86.287 | 86.603 | 0.316 |
| | Min | 85.227 | 86.296 | -0.016 |
| | Std Dev | 0.420 | 0.194 | 0.332 |




| | 6.84_OH_10mA_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 86.513 | 86.307 | 86.313 | 86.399 | 86.490 | 86.363 | 86.439 | 86.346 | 86.361 | 86.296 | 86.329 |
| Average | 86.623 | 86.600 | 86.526 | 86.716 | 86.700 | 86.701 | 86.565 | 86.514 | 86.614 | 86.593 | 86.493 |
| Max | 86.764 | 86.943 | 86.834 | 86.904 | 86.864 | 86.933 | 86.850 | 86.645 | 86.844 | 86.881 | 86.728 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

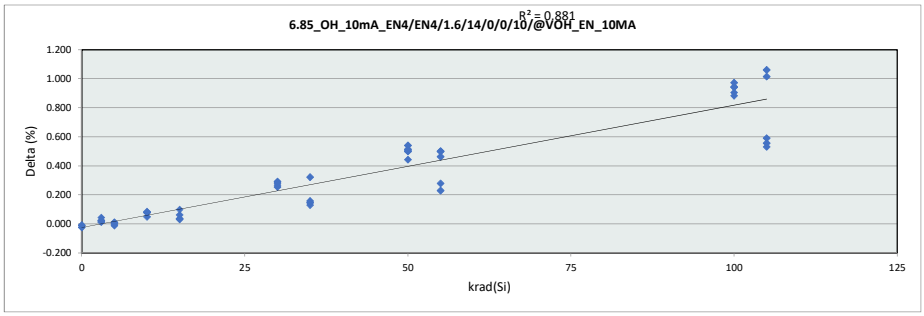


# TID HDR Report
# TPS7H3014-SP

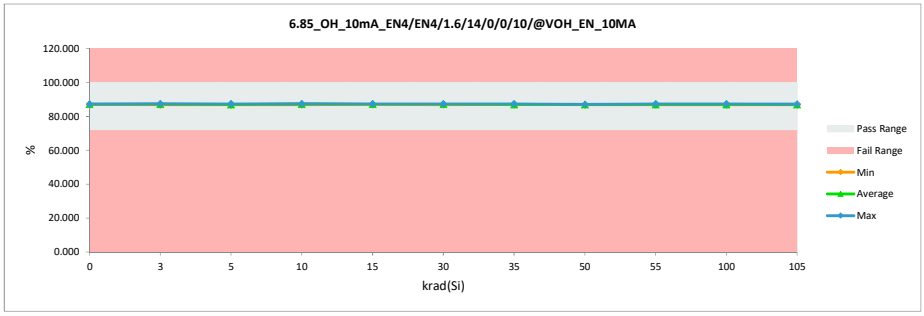
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.85_OH_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 87.305 | 87.297 | -0.008 |
| 0 | 14 | 87.107 | 87.095 | -0.012 |
| 0 | 15 | 87.128 | 87.104 | -0.024 |
| 3 | 20 | 87.150 | 87.193 | 0.043 |
| 3 | 21 | 87.465 | 87.490 | 0.025 |
| 3 | 22 | 87.085 | 87.104 | 0.019 |
| 3 | 23 | 86.841 | 86.862 | 0.021 |
| 3 | 24 | 87.182 | 87.194 | 0.012 |
| 5 | 25 | 86.847 | 86.859 | 0.012 |
| 5 | 26 | 86.859 | 86.865 | 0.006 |
| 5 | 27 | 87.278 | 87.284 | 0.006 |
| 5 | 28 | 87.388 | 87.382 | -0.006 |
| 5 | 29 | 86.918 | 86.905 | -0.013 |
| 10 | 30 | 86.846 | 86.924 | 0.078 |
| 10 | 31 | 87.297 | 87.374 | 0.077 |
| 10 | 32 | 87.374 | 87.459 | 0.085 |
| 10 | 33 | 87.124 | 87.206 | 0.082 |
| 10 | 34 | 87.311 | 87.359 | 0.048 |
| 15 | 35 | 87.087 | 87.149 | 0.062 |
| 15 | 36 | 87.105 | 87.203 | 0.098 |
| 15 | 37 | 86.968 | 86.999 | 0.031 |
| 15 | 38 | 87.370 | 87.405 | 0.035 |
| 15 | 39 | 87.346 | 87.381 | 0.035 |
| 30 | 40 | 87.196 | 87.449 | 0.253 |
| 30 | 41 | 86.755 | 87.044 | 0.289 |
| 30 | 42 | 87.014 | 87.293 | 0.279 |
| 30 | 43 | 87.153 | 87.419 | 0.266 |
| 30 | 44 | 86.607 | 86.899 | 0.292 |
| 35 | 45 | 86.951 | 87.095 | 0.144 |
| 35 | 46 | 86.668 | 86.990 | 0.322 |
| 35 | 47 | 87.259 | 87.388 | 0.129 |
| 35 | 48 | 86.948 | 87.097 | 0.149 |
| 35 | 49 | 86.847 | 87.005 | 0.158 |
| 50 | 50 | 86.263 | 86.803 | 0.540 |
| 50 | 51 | 86.484 | 86.998 | 0.514 |
| 50 | 52 | 86.636 | 87.135 | 0.499 |
| 50 | 53 | 86.563 | 87.066 | 0.503 |
| 50 | 54 | 86.679 | 87.121 | 0.442 |
| 55 | 55 | 86.467 | 86.968 | 0.501 |
| 55 | 56 | 86.830 | 87.329 | 0.499 |
| 55 | 57 | 86.711 | 87.174 | 0.463 |
| 55 | 58 | 86.609 | 86.888 | 0.279 |
| 55 | 59 | 87.190 | 87.419 | 0.229 |
| 100 | 60 | 86.214 | 87.155 | 0.941 |
| 100 | 61 | 85.852 | 86.824 | 0.972 |
| 100 | 62 | 86.132 | 87.075 | 0.943 |
| 100 | 63 | 86.535 | 87.418 | 0.883 |
| 100 | 64 | 86.278 | 87.182 | 0.904 |
| 105 | 65 | 86.697 | 87.253 | 0.556 |
| 105 | 66 | 86.736 | 87.267 | 0.531 |
| 105 | 67 | 85.817 | 86.877 | 1.060 |
| 105 | 68 | 85.952 | 86.966 | 1.014 |
| 105 | 69 | 86.260 | 86.850 | 0.590 |
| | Max | 87.465 | 87.490 | 1.060 |
| | Average | 86.843 | 87.142 | 0.299 |
| | Min | 85.817 | 86.803 | -0.024 |
| | Std Dev | 0.415 | 0.198 | 0.322 |




| | 6.85_OH_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 87.095 | 86.862 | 86.859 | 86.924 | 86.999 | 86.899 | 86.990 | 86.803 | 86.888 | 86.824 | 86.850 |
| Average | 87.165 | 87.169 | 87.059 | 87.264 | 87.227 | 87.221 | 87.115 | 87.025 | 87.156 | 87.131 | 87.043 |
| Max | 87.297 | 87.490 | 87.382 | 87.459 | 87.405 | 87.449 | 87.388 | 87.135 | 87.419 | 87.418 | 87.267 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

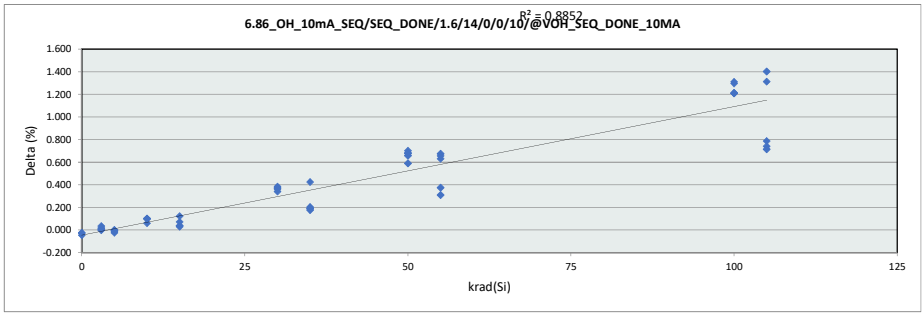


# TID HDR Report
# TPS7H3014-SP

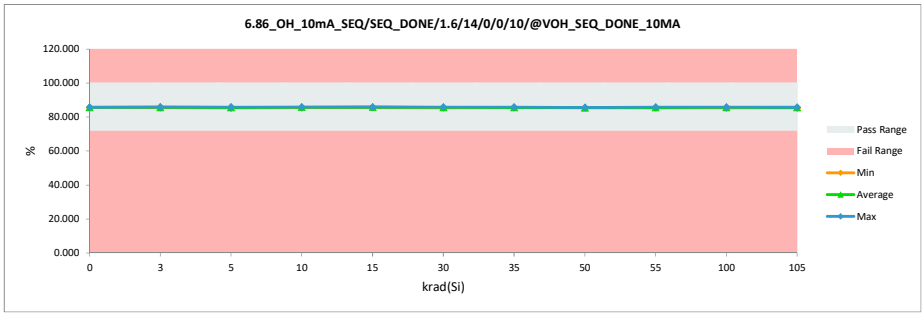
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.86_OH_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 85.879 | 85.855 | -0.024 |
| 0 | 14 | 85.689 | 85.660 | -0.029 |
| 0 | 15 | 85.703 | 85.656 | -0.047 |
| 3 | 20 | 85.760 | 85.794 | 0.034 |
| 3 | 21 | 85.990 | 86.009 | 0.019 |
| 3 | 22 | 85.612 | 85.621 | 0.009 |
| 3 | 23 | 85.484 | 85.486 | 0.002 |
| 3 | 24 | 85.670 | 85.668 | -0.002 |
| 5 | 25 | 85.367 | 85.367 | 0.000 |
| 5 | 26 | 85.368 | 85.361 | -0.007 |
| 5 | 27 | 85.749 | 85.746 | -0.003 |
| 5 | 28 | 85.914 | 85.899 | -0.015 |
| 5 | 29 | 85.533 | 85.507 | -0.026 |
| 10 | 30 | 85.463 | 85.559 | 0.096 |
| 10 | 31 | 85.732 | 85.832 | 0.100 |
| 10 | 32 | 85.841 | 85.943 | 0.102 |
| 10 | 33 | 85.582 | 85.682 | 0.100 |
| 10 | 34 | 85.769 | 85.829 | 0.060 |
| 15 | 35 | 85.622 | 85.694 | 0.072 |
| 15 | 36 | 85.657 | 85.780 | 0.123 |
| 15 | 37 | 85.599 | 85.628 | 0.029 |
| 15 | 38 | 85.952 | 85.990 | 0.038 |
| 15 | 39 | 85.819 | 85.857 | 0.038 |
| 30 | 40 | 85.601 | 85.941 | 0.340 |
| 30 | 41 | 85.062 | 85.447 | 0.385 |
| 30 | 42 | 85.408 | 85.775 | 0.367 |
| 30 | 43 | 85.467 | 85.829 | 0.362 |
| 30 | 44 | 85.186 | 85.563 | 0.377 |
| 35 | 45 | 85.352 | 85.546 | 0.194 |
| 35 | 46 | 85.093 | 85.517 | 0.424 |
| 35 | 47 | 85.691 | 85.867 | 0.176 |
| 35 | 48 | 85.546 | 85.734 | 0.188 |
| 35 | 49 | 85.307 | 85.511 | 0.204 |
| 50 | 50 | 84.722 | 85.423 | 0.701 |
| 50 | 51 | 84.881 | 85.563 | 0.682 |
| 50 | 52 | 85.015 | 85.672 | 0.657 |
| 50 | 53 | 84.826 | 85.503 | 0.677 |
| 50 | 54 | 85.078 | 85.668 | 0.590 |
| 55 | 55 | 84.799 | 85.473 | 0.674 |
| 55 | 56 | 85.141 | 85.796 | 0.655 |
| 55 | 57 | 84.991 | 85.622 | 0.631 |
| 55 | 58 | 85.061 | 85.435 | 0.374 |
| 55 | 59 | 85.609 | 85.918 | 0.309 |
| 100 | 60 | 84.390 | 85.685 | 1.295 |
| 100 | 61 | 84.040 | 85.351 | 1.311 |
| 100 | 62 | 84.598 | 85.807 | 1.209 |
| 100 | 63 | 84.711 | 85.920 | 1.209 |
| 100 | 64 | 84.442 | 85.655 | 1.213 |
| 105 | 65 | 85.057 | 85.798 | 0.741 |
| 105 | 66 | 85.119 | 85.833 | 0.714 |
| 105 | 67 | 84.004 | 85.405 | 1.401 |
| 105 | 68 | 84.203 | 85.515 | 1.312 |
| 105 | 69 | 84.581 | 85.367 | 0.786 |
| | Max | 85.990 | 86.009 | 1.401 |
| | Average | 85.278 | 85.671 | 0.393 |
| | Min | 84.004 | 85.351 | -0.047 |
| | Std Dev | 0.507 | 0.182 | 0.433 |




| | 6.86_OH_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 85.656 | 85.486 | 85.361 | 85.559 | 85.628 | 85.447 | 85.511 | 85.423 | 85.435 | 85.351 | 85.367 |
| Average | 85.724 | 85.716 | 85.576 | 85.769 | 85.790 | 85.711 | 85.635 | 85.566 | 85.649 | 85.684 | 85.584 |
| Max | 85.855 | 86.009 | 85.899 | 85.943 | 85.990 | 85.941 | 85.867 | 85.672 | 85.918 | 85.920 | 85.833 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

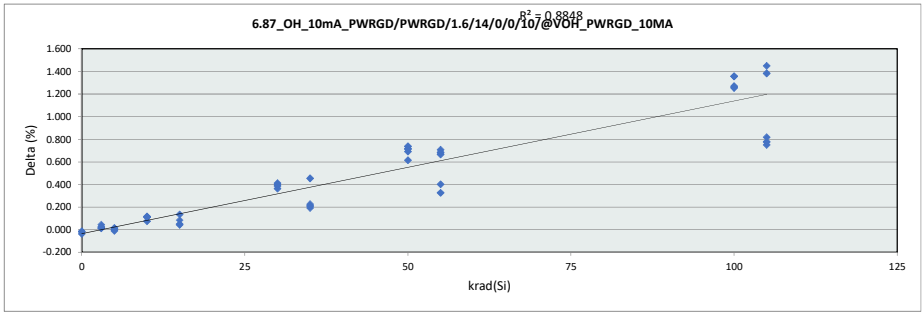


# TID HDR Report
# TPS7H3014-SP

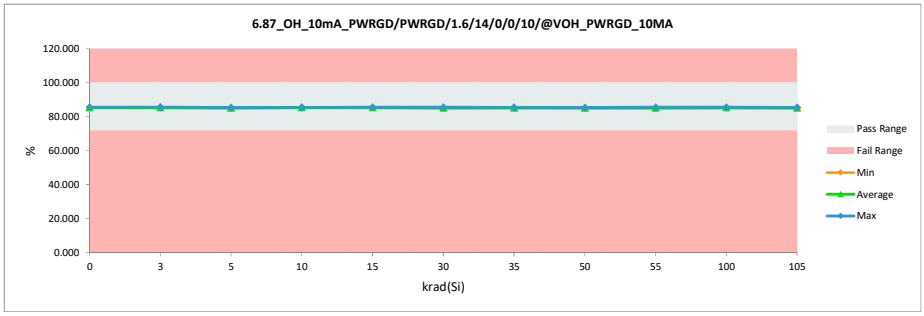
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.87_OH_10mA_PWRGD/F | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 85.605 | 85.591 | -0.014 |
| 0 | 14 | 85.335 | 85.316 | -0.019 |
| 0 | 15 | 85.345 | 85.307 | -0.038 |
| 3 | 20 | 85.485 | 85.529 | 0.044 |
| 3 | 21 | 85.678 | 85.707 | 0.029 |
| 3 | 22 | 85.275 | 85.294 | 0.019 |
| 3 | 23 | 85.184 | 85.197 | 0.013 |
| 3 | 24 | 85.256 | 85.268 | 0.012 |
| 5 | 25 | 85.059 | 85.074 | 0.015 |
| 5 | 26 | 85.038 | 85.040 | 0.002 |
| 5 | 27 | 85.412 | 85.418 | 0.006 |
| 5 | 28 | 85.427 | 85.423 | -0.004 |
| 5 | 29 | 85.118 | 85.106 | -0.012 |
| 10 | 30 | 85.127 | 85.236 | 0.109 |
| 10 | 31 | 85.356 | 85.472 | 0.116 |
| 10 | 32 | 85.430 | 85.543 | 0.113 |
| 10 | 33 | 85.242 | 85.355 | 0.113 |
| 10 | 34 | 85.425 | 85.499 | 0.074 |
| 15 | 35 | 85.348 | 85.432 | 0.084 |
| 15 | 36 | 85.305 | 85.440 | 0.135 |
| 15 | 37 | 85.262 | 85.303 | 0.041 |
| 15 | 38 | 85.577 | 85.624 | 0.047 |
| 15 | 39 | 85.479 | 85.529 | 0.050 |
| 30 | 40 | 85.243 | 85.606 | 0.363 |
| 30 | 41 | 84.668 | 85.081 | 0.413 |
| 30 | 42 | 85.017 | 85.410 | 0.393 |
| 30 | 43 | 85.059 | 85.444 | 0.385 |
| 30 | 44 | 84.789 | 85.193 | 0.404 |
| 35 | 45 | 85.018 | 85.228 | 0.210 |
| 35 | 46 | 84.743 | 85.196 | 0.453 |
| 35 | 47 | 85.307 | 85.499 | 0.192 |
| 35 | 48 | 85.054 | 85.264 | 0.210 |
| 35 | 49 | 84.977 | 85.202 | 0.225 |
| 50 | 50 | 84.373 | 85.109 | 0.736 |
| 50 | 51 | 84.537 | 85.252 | 0.715 |
| 50 | 52 | 84.690 | 85.380 | 0.690 |
| 50 | 53 | 84.416 | 85.128 | 0.712 |
| 50 | 54 | 84.744 | 85.358 | 0.614 |
| 55 | 55 | 84.426 | 85.133 | 0.707 |
| 55 | 56 | 84.848 | 85.531 | 0.683 |
| 55 | 57 | 84.577 | 85.243 | 0.666 |
| 55 | 58 | 84.680 | 85.080 | 0.400 |
| 55 | 59 | 85.313 | 85.639 | 0.326 |
| 100 | 60 | 83.975 | 85.330 | 1.355 |
| 100 | 61 | 83.752 | 85.107 | 1.355 |
| 100 | 62 | 84.219 | 85.472 | 1.253 |
| 100 | 63 | 84.313 | 85.582 | 1.269 |
| 100 | 64 | 84.067 | 85.326 | 1.259 |
| 105 | 65 | 84.665 | 85.441 | 0.776 |
| 105 | 66 | 84.776 | 85.526 | 0.750 |
| 105 | 67 | 83.679 | 85.128 | 1.449 |
| 105 | 68 | 83.722 | 85.104 | 1.382 |
| 105 | 69 | 84.268 | 85.085 | 0.817 |
| | Max | 85.678 | 85.707 | 1.449 |
| | Average | 84.919 | 85.335 | 0.417 |
| | Min | 83.679 | 85.040 | -0.038 |
| | Std Dev | 0.514 | 0.179 | 0.447 |




| | 6.87_OH_10mA_PWRGD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 85.307 | 85.197 | 85.040 | 85.236 | 85.303 | 85.081 | 85.196 | 85.109 | 85.080 | 85.107 | 85.085 |
| Average | 85.405 | 85.399 | 85.212 | 85.421 | 85.466 | 85.347 | 85.278 | 85.245 | 85.325 | 85.363 | 85.257 |
| Max | 85.591 | 85.707 | 85.423 | 85.543 | 85.624 | 85.606 | 85.499 | 85.380 | 85.639 | 85.582 | 85.526 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

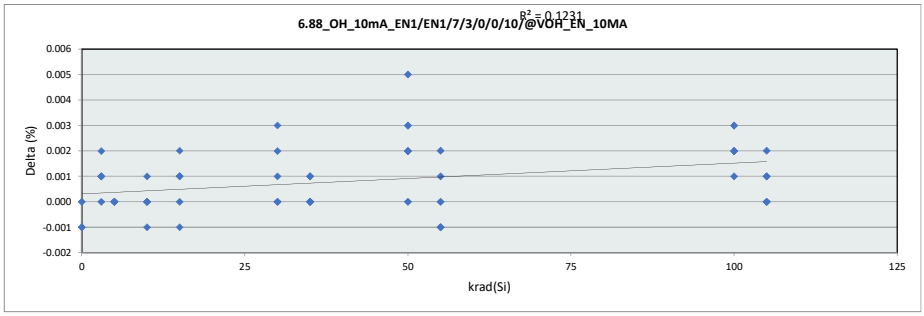


# TID HDR Report
# TPS7H3014-SP

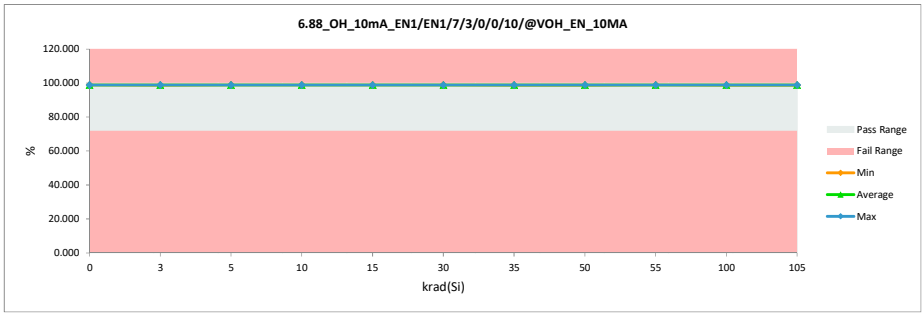
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.88_OH_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.884 | 98.883 | -0.001 |
| 0 | 14 | 98.870 | 98.870 | 0.000 |
| 0 | 15 | 98.881 | 98.880 | -0.001 |
| 3 | 20 | 98.869 | 98.871 | 0.002 |
| 3 | 21 | 98.882 | 98.883 | 0.001 |
| 3 | 22 | 98.873 | 98.874 | 0.001 |
| 3 | 23 | 98.867 | 98.868 | 0.001 |
| 3 | 24 | 98.877 | 98.877 | 0.000 |
| 5 | 25 | 98.875 | 98.875 | 0.000 |
| 5 | 26 | 98.871 | 98.871 | 0.000 |
| 5 | 27 | 98.879 | 98.879 | 0.000 |
| 5 | 28 | 98.875 | 98.875 | 0.000 |
| 5 | 29 | 98.875 | 98.875 | 0.000 |
| 10 | 30 | 98.870 | 98.870 | 0.000 |
| 10 | 31 | 98.879 | 98.879 | 0.000 |
| 10 | 32 | 98.874 | 98.875 | 0.001 |
| 10 | 33 | 98.873 | 98.873 | 0.000 |
| 10 | 34 | 98.881 | 98.880 | -0.001 |
| 15 | 35 | 98.868 | 98.870 | 0.002 |
| 15 | 36 | 98.881 | 98.882 | 0.001 |
| 15 | 37 | 98.877 | 98.876 | -0.001 |
| 15 | 38 | 98.886 | 98.886 | 0.000 |
| 15 | 39 | 98.869 | 98.870 | 0.001 |
| 30 | 40 | 98.881 | 98.881 | 0.000 |
| 30 | 41 | 98.869 | 98.869 | 0.000 |
| 30 | 42 | 98.871 | 98.873 | 0.002 |
| 30 | 43 | 98.878 | 98.879 | 0.001 |
| 30 | 44 | 98.868 | 98.871 | 0.003 |
| 35 | 45 | 98.872 | 98.872 | 0.000 |
| 35 | 46 | 98.869 | 98.869 | 0.000 |
| 35 | 47 | 98.881 | 98.881 | 0.000 |
| 35 | 48 | 98.866 | 98.867 | 0.001 |
| 35 | 49 | 98.871 | 98.872 | 0.001 |
| 50 | 50 | 98.866 | 98.871 | 0.005 |
| 50 | 51 | 98.874 | 98.877 | 0.003 |
| 50 | 52 | 98.870 | 98.872 | 0.002 |
| 50 | 53 | 98.866 | 98.868 | 0.002 |
| 50 | 54 | 98.877 | 98.877 | 0.000 |
| 55 | 55 | 98.867 | 98.869 | 0.002 |
| 55 | 56 | 98.879 | 98.880 | 0.001 |
| 55 | 57 | 98.877 | 98.877 | 0.000 |
| 55 | 58 | 98.871 | 98.870 | -0.001 |
| 55 | 59 | 98.879 | 98.878 | -0.001 |
| 100 | 60 | 98.874 | 98.876 | 0.002 |
| 100 | 61 | 98.865 | 98.866 | 0.001 |
| 100 | 62 | 98.866 | 98.868 | 0.002 |
| 100 | 63 | 98.876 | 98.878 | 0.002 |
| 100 | 64 | 98.869 | 98.872 | 0.003 |
| 105 | 65 | 98.876 | 98.877 | 0.001 |
| 105 | 66 | 98.868 | 98.868 | 0.000 |
| 105 | 67 | 98.869 | 98.870 | 0.001 |
| 105 | 68 | 98.868 | 98.870 | 0.002 |
| 105 | 69 | 98.873 | 98.873 | 0.000 |
| | Max | 98.886 | 98.886 | 0.005 |
| | Average | 98.873 | 98.874 | 0.001 |
| | Min | 98.865 | 98.866 | -0.001 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 6.88_OH_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.870 | 98.868 | 98.871 | 98.870 | 98.870 | 98.869 | 98.867 | 98.868 | 98.869 | 98.866 | 98.868 |
| Average | 98.878 | 98.875 | 98.875 | 98.875 | 98.877 | 98.875 | 98.872 | 98.873 | 98.875 | 98.872 | 98.872 |
| Max | 98.883 | 98.883 | 98.879 | 98.880 | 98.886 | 98.881 | 98.881 | 98.877 | 98.880 | 98.878 | 98.877 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

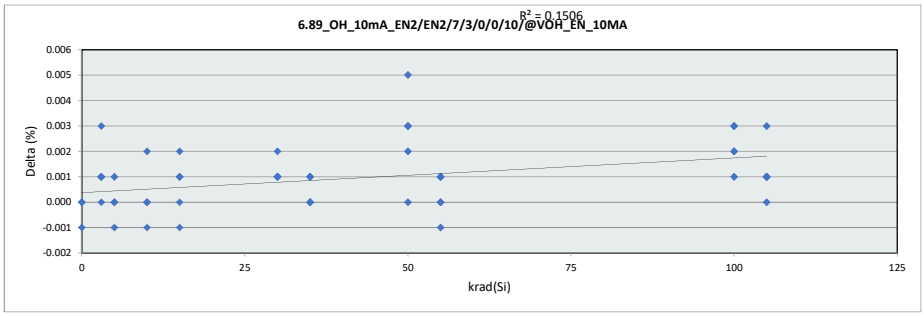


# TID HDR Report
# TPS7H3014-SP

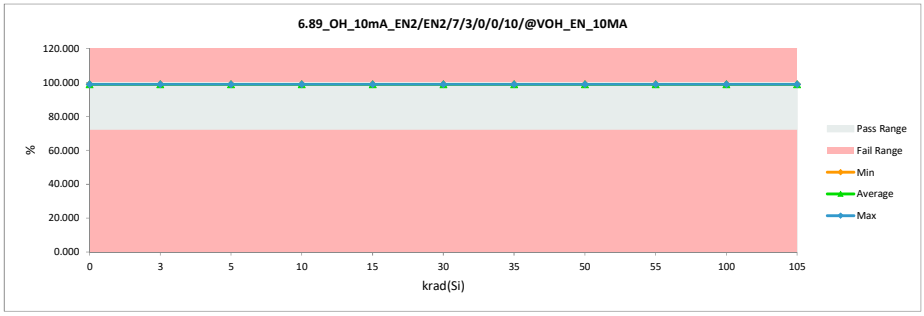
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.89_OH_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.898 | 98.898 | 0.000 |
| 0 | 14 | 98.885 | 98.884 | -0.001 |
| 0 | 15 | 98.897 | 98.897 | 0.000 |
| 3 | 20 | 98.875 | 98.878 | 0.003 |
| 3 | 21 | 98.898 | 98.899 | 0.001 |
| 3 | 22 | 98.889 | 98.890 | 0.001 |
| 3 | 23 | 98.885 | 98.886 | 0.001 |
| 3 | 24 | 98.889 | 98.889 | 0.000 |
| 5 | 25 | 98.889 | 98.889 | 0.000 |
| 5 | 26 | 98.882 | 98.882 | 0.000 |
| 5 | 27 | 98.897 | 98.896 | -0.001 |
| 5 | 28 | 98.892 | 98.893 | 0.001 |
| 5 | 29 | 98.885 | 98.885 | 0.000 |
| 10 | 30 | 98.885 | 98.885 | 0.000 |
| 10 | 31 | 98.893 | 98.893 | 0.000 |
| 10 | 32 | 98.889 | 98.891 | 0.002 |
| 10 | 33 | 98.892 | 98.892 | 0.000 |
| 10 | 34 | 98.895 | 98.894 | -0.001 |
| 15 | 35 | 98.886 | 98.888 | 0.002 |
| 15 | 36 | 98.893 | 98.894 | 0.001 |
| 15 | 37 | 98.887 | 98.886 | -0.001 |
| 15 | 38 | 98.900 | 98.901 | 0.001 |
| 15 | 39 | 98.888 | 98.888 | 0.000 |
| 30 | 40 | 98.894 | 98.895 | 0.001 |
| 30 | 41 | 98.888 | 98.889 | 0.001 |
| 30 | 42 | 98.888 | 98.889 | 0.001 |
| 30 | 43 | 98.891 | 98.892 | 0.001 |
| 30 | 44 | 98.885 | 98.887 | 0.002 |
| 35 | 45 | 98.889 | 98.889 | 0.000 |
| 35 | 46 | 98.882 | 98.882 | 0.000 |
| 35 | 47 | 98.895 | 98.896 | 0.001 |
| 35 | 48 | 98.888 | 98.888 | 0.000 |
| 35 | 49 | 98.882 | 98.883 | 0.001 |
| 50 | 50 | 98.881 | 98.886 | 0.005 |
| 50 | 51 | 98.886 | 98.889 | 0.003 |
| 50 | 52 | 98.883 | 98.886 | 0.003 |
| 50 | 53 | 98.889 | 98.891 | 0.002 |
| 50 | 54 | 98.894 | 98.894 | 0.000 |
| 55 | 55 | 98.886 | 98.887 | 0.001 |
| 55 | 56 | 98.893 | 98.894 | 0.001 |
| 55 | 57 | 98.895 | 98.895 | 0.000 |
| 55 | 58 | 98.888 | 98.888 | 0.000 |
| 55 | 59 | 98.895 | 98.894 | -0.001 |
| 100 | 60 | 98.892 | 98.894 | 0.002 |
| 100 | 61 | 98.878 | 98.879 | 0.001 |
| 100 | 62 | 98.879 | 98.881 | 0.002 |
| 100 | 63 | 98.892 | 98.895 | 0.003 |
| 100 | 64 | 98.885 | 98.888 | 0.003 |
| 105 | 65 | 98.891 | 98.892 | 0.001 |
| 105 | 66 | 98.888 | 98.888 | 0.000 |
| 105 | 67 | 98.889 | 98.890 | 0.001 |
| 105 | 68 | 98.886 | 98.889 | 0.003 |
| 105 | 69 | 98.884 | 98.885 | 0.001 |
| | Max | 98.900 | 98.901 | 0.005 |
| | Average | 98.889 | 98.890 | 0.001 |
| | Min | 98.875 | 98.878 | -0.001 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 6.89_OH_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.884 | 98.878 | 98.882 | 98.885 | 98.886 | 98.887 | 98.882 | 98.886 | 98.887 | 98.879 | 98.885 |
| Average | 98.893 | 98.888 | 98.889 | 98.891 | 98.891 | 98.890 | 98.888 | 98.889 | 98.892 | 98.887 | 98.889 |
| Max | 98.898 | 98.899 | 98.896 | 98.894 | 98.901 | 98.895 | 98.896 | 98.894 | 98.895 | 98.895 | 98.892 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

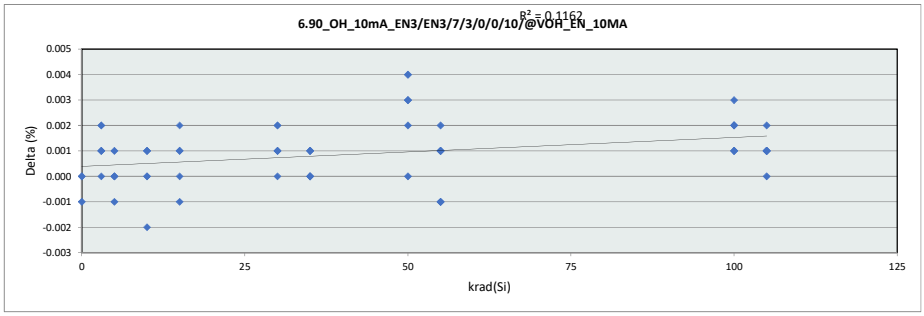


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

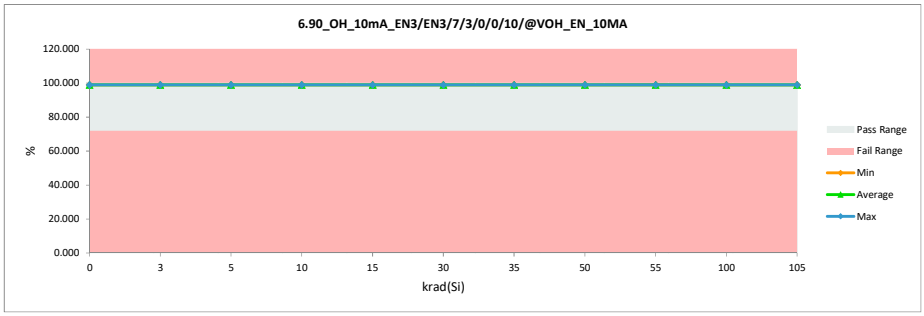
| | 6.90_OH_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.942 | 98.942 | 0.000 |
| 0 | 14 | 98.931 | 98.931 | 0.000 |
| 0 | 15 | 98.944 | 98.943 | -0.001 |
| 3 | 20 | 98.930 | 98.932 | 0.002 |
| 3 | 21 | 98.948 | 98.949 | 0.001 |
| 3 | 22 | 98.942 | 98.943 | 0.001 |
| 3 | 23 | 98.932 | 98.934 | 0.002 |
| 3 | 24 | 98.939 | 98.939 | 0.000 |
| 5 | 25 | 98.936 | 98.936 | 0.000 |
| 5 | 26 | 98.931 | 98.932 | 0.001 |
| 5 | 27 | 98.945 | 98.944 | -0.001 |
| 5 | 28 | 98.949 | 98.949 | 0.000 |
| 5 | 29 | 98.938 | 98.938 | 0.000 |
| 10 | 30 | 98.929 | 98.929 | 0.000 |
| 10 | 31 | 98.950 | 98.950 | 0.000 |
| 10 | 32 | 98.942 | 98.943 | 0.001 |
| 10 | 33 | 98.944 | 98.945 | 0.001 |
| 10 | 34 | 98.947 | 98.945 | -0.002 |
| 15 | 35 | 98.932 | 98.934 | 0.002 |
| 15 | 36 | 98.939 | 98.939 | 0.000 |
| 15 | 37 | 98.940 | 98.939 | -0.001 |
| 15 | 38 | 98.951 | 98.952 | 0.001 |
| 15 | 39 | 98.942 | 98.943 | 0.001 |
| 30 | 40 | 98.949 | 98.949 | 0.000 |
| 30 | 41 | 98.940 | 98.941 | 0.001 |
| 30 | 42 | 98.942 | 98.944 | 0.002 |
| 30 | 43 | 98.947 | 98.948 | 0.001 |
| 30 | 44 | 98.931 | 98.933 | 0.002 |
| 35 | 45 | 98.940 | 98.940 | 0.000 |
| 35 | 46 | 98.931 | 98.931 | 0.000 |
| 35 | 47 | 98.946 | 98.947 | 0.001 |
| 35 | 48 | 98.940 | 98.940 | 0.000 |
| 35 | 49 | 98.933 | 98.934 | 0.001 |
| 50 | 50 | 98.929 | 98.933 | 0.004 |
| 50 | 51 | 98.938 | 98.941 | 0.003 |
| 50 | 52 | 98.933 | 98.936 | 0.003 |
| 50 | 53 | 98.943 | 98.945 | 0.002 |
| 50 | 54 | 98.943 | 98.943 | 0.000 |
| 55 | 55 | 98.936 | 98.937 | 0.001 |
| 55 | 56 | 98.941 | 98.943 | 0.002 |
| 55 | 57 | 98.945 | 98.946 | 0.001 |
| 55 | 58 | 98.938 | 98.937 | -0.001 |
| 55 | 59 | 98.944 | 98.943 | -0.001 |
| 100 | 60 | 98.940 | 98.941 | 0.001 |
| 100 | 61 | 98.927 | 98.928 | 0.001 |
| 100 | 62 | 98.927 | 98.930 | 0.003 |
| 100 | 63 | 98.943 | 98.945 | 0.002 |
| 100 | 64 | 98.937 | 98.939 | 0.002 |
| 105 | 65 | 98.939 | 98.940 | 0.001 |
| 105 | 66 | 98.935 | 98.935 | 0.000 |
| 105 | 67 | 98.935 | 98.936 | 0.001 |
| 105 | 68 | 98.933 | 98.935 | 0.002 |
| 105 | 69 | 98.933 | 98.934 | 0.001 |
| | Max | 98.951 | 98.952 | 0.004 |
| | Average | 98.939 | 98.940 | 0.001 |
| | Min | 98.927 | 98.928 | -0.002 |
| | Std Dev | 0.006 | 0.006 | 0.001 |




| | 6.90_OH_10mA_EN3/EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 100 % |
| Min Limit | 72 % |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.931 | 98.932 | 98.932 | 98.929 | 98.934 | 98.933 | 98.931 | 98.933 | 98.937 | 98.928 | 98.934 |
| Average | 98.939 | 98.939 | 98.940 | 98.942 | 98.941 | 98.943 | 98.938 | 98.940 | 98.941 | 98.937 | 98.936 |
| Max | 98.943 | 98.949 | 98.949 | 98.950 | 98.952 | 98.949 | 98.947 | 98.945 | 98.946 | 98.945 | 98.940 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

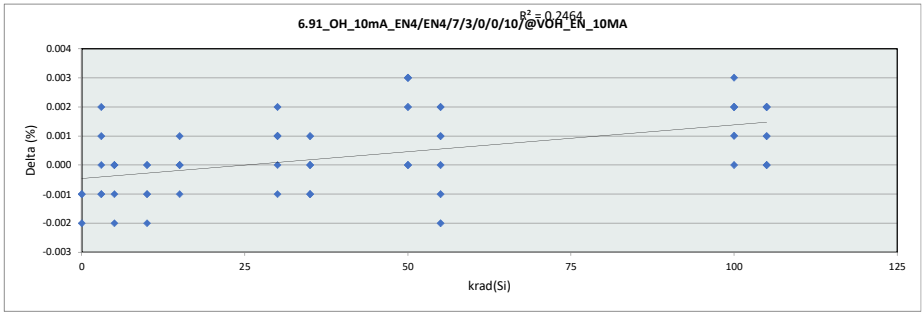


# TID HDR Report
# TPS7H3014-SP

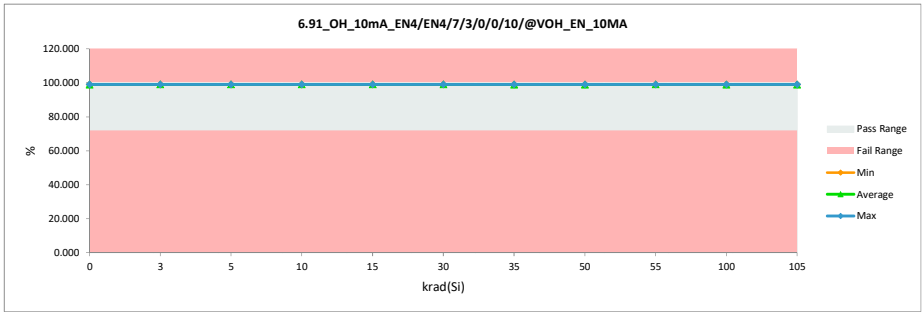
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.91_OH_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.023 | 99.021 | -0.002 |
| 0 | 14 | 99.014 | 99.013 | -0.001 |
| 0 | 15 | 99.022 | 99.021 | -0.001 |
| 3 | 20 | 99.013 | 99.015 | 0.002 |
| 3 | 21 | 99.030 | 99.029 | -0.001 |
| 3 | 22 | 99.024 | 99.023 | -0.001 |
| 3 | 23 | 99.013 | 99.014 | 0.001 |
| 3 | 24 | 99.024 | 99.024 | 0.000 |
| 5 | 25 | 99.016 | 99.016 | 0.000 |
| 5 | 26 | 99.010 | 99.010 | 0.000 |
| 5 | 27 | 99.030 | 99.028 | -0.002 |
| 5 | 28 | 99.029 | 99.028 | -0.001 |
| 5 | 29 | 99.015 | 99.015 | 0.000 |
| 10 | 30 | 99.010 | 99.009 | -0.001 |
| 10 | 31 | 99.030 | 99.029 | -0.001 |
| 10 | 32 | 99.027 | 99.027 | 0.000 |
| 10 | 33 | 99.023 | 99.023 | 0.000 |
| 10 | 34 | 99.031 | 99.029 | -0.002 |
| 15 | 35 | 99.013 | 99.014 | 0.001 |
| 15 | 36 | 99.019 | 99.019 | 0.000 |
| 15 | 37 | 99.018 | 99.018 | 0.000 |
| 15 | 38 | 99.031 | 99.030 | -0.001 |
| 15 | 39 | 99.023 | 99.023 | 0.000 |
| 30 | 40 | 99.026 | 99.025 | -0.001 |
| 30 | 41 | 99.018 | 99.019 | 0.001 |
| 30 | 42 | 99.020 | 99.021 | 0.001 |
| 30 | 43 | 99.026 | 99.026 | 0.000 |
| 30 | 44 | 99.012 | 99.014 | 0.002 |
| 35 | 45 | 99.020 | 99.019 | -0.001 |
| 35 | 46 | 99.013 | 99.013 | 0.000 |
| 35 | 47 | 99.028 | 99.027 | -0.001 |
| 35 | 48 | 99.020 | 99.020 | 0.000 |
| 35 | 49 | 99.014 | 99.015 | 0.001 |
| 50 | 50 | 99.003 | 99.006 | 0.003 |
| 50 | 51 | 99.018 | 99.021 | 0.003 |
| 50 | 52 | 99.014 | 99.016 | 0.002 |
| 50 | 53 | 99.025 | 99.025 | 0.000 |
| 50 | 54 | 99.020 | 99.020 | 0.000 |
| 55 | 55 | 99.015 | 99.017 | 0.002 |
| 55 | 56 | 99.022 | 99.023 | 0.001 |
| 55 | 57 | 99.027 | 99.027 | 0.000 |
| 55 | 58 | 99.016 | 99.015 | -0.001 |
| 55 | 59 | 99.028 | 99.026 | -0.002 |
| 100 | 60 | 99.020 | 99.021 | 0.001 |
| 100 | 61 | 99.006 | 99.006 | 0.000 |
| 100 | 62 | 99.012 | 99.014 | 0.002 |
| 100 | 63 | 99.023 | 99.025 | 0.002 |
| 100 | 64 | 99.018 | 99.021 | 0.003 |
| 105 | 65 | 99.018 | 99.020 | 0.002 |
| 105 | 66 | 99.018 | 99.018 | 0.000 |
| 105 | 67 | 99.014 | 99.014 | 0.000 |
| 105 | 68 | 99.016 | 99.018 | 0.002 |
| 105 | 69 | 99.010 | 99.011 | 0.001 |
| | Max | 99.031 | 99.030 | 0.003 |
| | Average | 99.019 | 99.020 | 0.000 |
| | Min | 99.003 | 99.006 | -0.002 |
| | Std Dev | 0.007 | 0.006 | 0.001 |




| | 6.91_OH_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 99.013 | 99.014 | 99.010 | 99.009 | 99.014 | 99.014 | 99.013 | 99.006 | 99.015 | 99.006 | 99.011 |
| Average | 99.018 | 99.021 | 99.019 | 99.023 | 99.021 | 99.021 | 99.019 | 99.018 | 99.022 | 99.017 | 99.016 |
| Max | 99.021 | 99.029 | 99.028 | 99.029 | 99.030 | 99.026 | 99.027 | 99.025 | 99.027 | 99.025 | 99.020 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

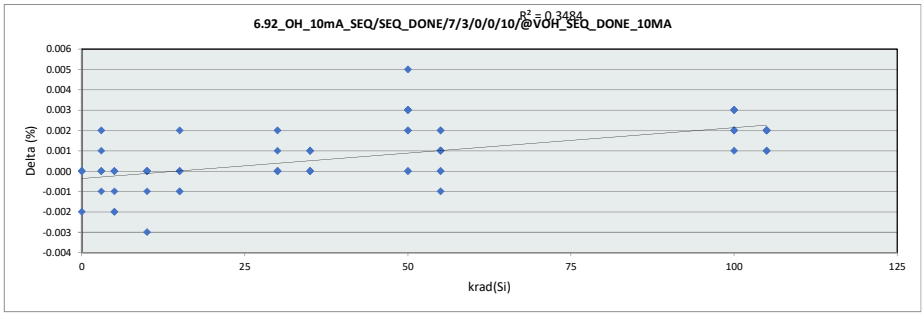


# TID HDR Report
# TPS7H3014-SP

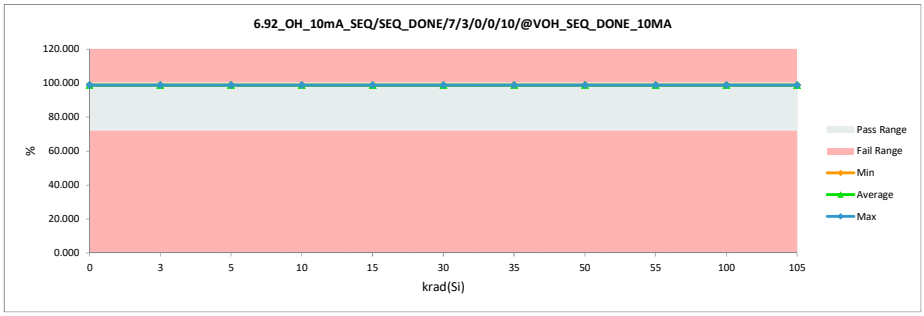
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.92_OH_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.794 | 98.794 | 0.000 |
| 0 | 14 | 98.785 | 98.785 | 0.000 |
| 0 | 15 | 98.797 | 98.795 | -0.002 |
| 3 | 20 | 98.772 | 98.774 | 0.002 |
| 3 | 21 | 98.797 | 98.798 | 0.001 |
| 3 | 22 | 98.794 | 98.794 | 0.000 |
| 3 | 23 | 98.786 | 98.786 | 0.000 |
| 3 | 24 | 98.787 | 98.786 | -0.001 |
| 5 | 25 | 98.783 | 98.782 | -0.001 |
| 5 | 26 | 98.782 | 98.782 | 0.000 |
| 5 | 27 | 98.791 | 98.789 | -0.002 |
| 5 | 28 | 98.802 | 98.802 | 0.000 |
| 5 | 29 | 98.791 | 98.789 | -0.002 |
| 10 | 30 | 98.787 | 98.786 | -0.001 |
| 10 | 31 | 98.793 | 98.793 | 0.000 |
| 10 | 32 | 98.791 | 98.791 | 0.000 |
| 10 | 33 | 98.793 | 98.793 | 0.000 |
| 10 | 34 | 98.796 | 98.793 | -0.003 |
| 15 | 35 | 98.785 | 98.787 | 0.002 |
| 15 | 36 | 98.792 | 98.792 | 0.000 |
| 15 | 37 | 98.787 | 98.786 | -0.001 |
| 15 | 38 | 98.800 | 98.800 | 0.000 |
| 15 | 39 | 98.788 | 98.787 | -0.001 |
| 30 | 40 | 98.795 | 98.795 | 0.000 |
| 30 | 41 | 98.784 | 98.784 | 0.000 |
| 30 | 42 | 98.787 | 98.787 | 0.000 |
| 30 | 43 | 98.790 | 98.791 | 0.001 |
| 30 | 44 | 98.789 | 98.791 | 0.002 |
| 35 | 45 | 98.786 | 98.786 | 0.000 |
| 35 | 46 | 98.779 | 98.780 | 0.001 |
| 35 | 47 | 98.795 | 98.796 | 0.001 |
| 35 | 48 | 98.795 | 98.795 | 0.000 |
| 35 | 49 | 98.777 | 98.778 | 0.001 |
| 50 | 50 | 98.779 | 98.784 | 0.005 |
| 50 | 51 | 98.790 | 98.793 | 0.003 |
| 50 | 52 | 98.780 | 98.783 | 0.003 |
| 50 | 53 | 98.787 | 98.789 | 0.002 |
| 50 | 54 | 98.785 | 98.785 | 0.000 |
| 55 | 55 | 98.784 | 98.785 | 0.001 |
| 55 | 56 | 98.788 | 98.790 | 0.002 |
| 55 | 57 | 98.792 | 98.793 | 0.001 |
| 55 | 58 | 98.787 | 98.787 | 0.000 |
| 55 | 59 | 98.792 | 98.791 | -0.001 |
| 100 | 60 | 98.790 | 98.793 | 0.003 |
| 100 | 61 | 98.775 | 98.776 | 0.001 |
| 100 | 62 | 98.773 | 98.775 | 0.002 |
| 100 | 63 | 98.793 | 98.796 | 0.003 |
| 100 | 64 | 98.783 | 98.785 | 0.002 |
| 105 | 65 | 98.791 | 98.793 | 0.002 |
| 105 | 66 | 98.785 | 98.786 | 0.001 |
| 105 | 67 | 98.784 | 98.786 | 0.002 |
| 105 | 68 | 98.786 | 98.788 | 0.002 |
| 105 | 69 | 98.781 | 98.782 | 0.001 |
| | Max | 98.802 | 98.802 | 0.005 |
| | Average | 98.788 | 98.788 | 0.001 |
| | Min | 98.772 | 98.774 | -0.003 |
| | Std Dev | 0.006 | 0.006 | 0.002 |




| | 6.92_OH_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.785 | 98.774 | 98.782 | 98.786 | 98.786 | 98.784 | 98.778 | 98.783 | 98.785 | 98.775 | 98.782 |
| Average | 98.791 | 98.788 | 98.789 | 98.791 | 98.790 | 98.790 | 98.787 | 98.787 | 98.789 | 98.785 | 98.787 |
| Max | 98.795 | 98.798 | 98.802 | 98.793 | 98.800 | 98.795 | 98.796 | 98.793 | 98.793 | 98.796 | 98.793 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

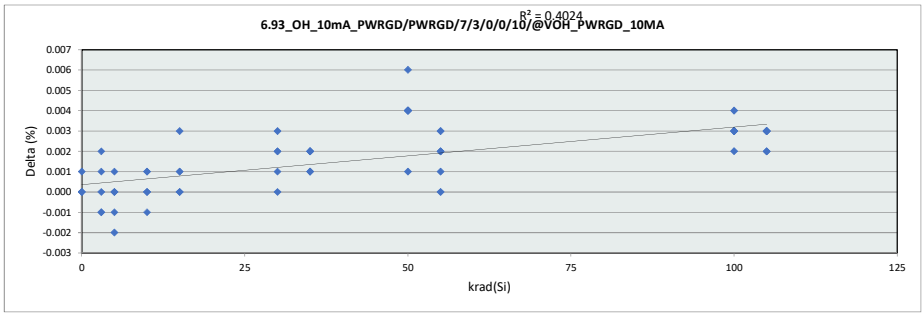


# TID HDR Report
# TPS7H3014-SP

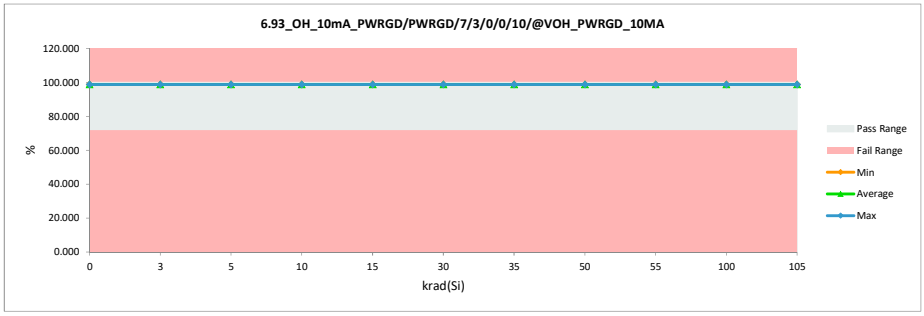
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.93_OH_10mA_PWRGD/F | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.758 | 98.759 | 0.001 |
| 0 | 14 | 98.745 | 98.745 | 0.000 |
| 0 | 15 | 98.756 | 98.756 | 0.000 |
| 3 | 20 | 98.738 | 98.740 | 0.002 |
| 3 | 21 | 98.761 | 98.762 | 0.001 |
| 3 | 22 | 98.759 | 98.759 | 0.000 |
| 3 | 23 | 98.754 | 98.753 | -0.001 |
| 3 | 24 | 98.745 | 98.744 | -0.001 |
| 5 | 25 | 98.748 | 98.748 | 0.000 |
| 5 | 26 | 98.744 | 98.745 | 0.001 |
| 5 | 27 | 98.754 | 98.752 | -0.002 |
| 5 | 28 | 98.759 | 98.759 | 0.000 |
| 5 | 29 | 98.750 | 98.749 | -0.001 |
| 10 | 30 | 98.746 | 98.746 | 0.000 |
| 10 | 31 | 98.756 | 98.756 | 0.000 |
| 10 | 32 | 98.750 | 98.751 | 0.001 |
| 10 | 33 | 98.755 | 98.756 | 0.001 |
| 10 | 34 | 98.756 | 98.755 | -0.001 |
| 15 | 35 | 98.749 | 98.752 | 0.003 |
| 15 | 36 | 98.752 | 98.753 | 0.001 |
| 15 | 37 | 98.749 | 98.749 | 0.000 |
| 15 | 38 | 98.760 | 98.761 | 0.001 |
| 15 | 39 | 98.750 | 98.750 | 0.000 |
| 30 | 40 | 98.759 | 98.759 | 0.000 |
| 30 | 41 | 98.745 | 98.746 | 0.001 |
| 30 | 42 | 98.748 | 98.750 | 0.002 |
| 30 | 43 | 98.749 | 98.751 | 0.002 |
| 30 | 44 | 98.748 | 98.751 | 0.003 |
| 35 | 45 | 98.751 | 98.753 | 0.002 |
| 35 | 46 | 98.742 | 98.744 | 0.002 |
| 35 | 47 | 98.754 | 98.756 | 0.002 |
| 35 | 48 | 98.751 | 98.752 | 0.001 |
| 35 | 49 | 98.739 | 98.740 | 0.001 |
| 50 | 50 | 98.742 | 98.748 | 0.006 |
| 50 | 51 | 98.752 | 98.756 | 0.004 |
| 50 | 52 | 98.745 | 98.749 | 0.004 |
| 50 | 53 | 98.746 | 98.750 | 0.004 |
| 50 | 54 | 98.747 | 98.748 | 0.001 |
| 55 | 55 | 98.746 | 98.749 | 0.003 |
| 55 | 56 | 98.754 | 98.756 | 0.002 |
| 55 | 57 | 98.754 | 98.756 | 0.002 |
| 55 | 58 | 98.748 | 98.749 | 0.001 |
| 55 | 59 | 98.758 | 98.758 | 0.000 |
| 100 | 60 | 98.754 | 98.757 | 0.003 |
| 100 | 61 | 98.742 | 98.744 | 0.002 |
| 100 | 62 | 98.737 | 98.740 | 0.003 |
| 100 | 63 | 98.756 | 98.760 | 0.004 |
| 100 | 64 | 98.746 | 98.749 | 0.003 |
| 105 | 65 | 98.753 | 98.756 | 0.003 |
| 105 | 66 | 98.748 | 98.750 | 0.002 |
| 105 | 67 | 98.747 | 98.750 | 0.003 |
| 105 | 68 | 98.748 | 98.751 | 0.003 |
| 105 | 69 | 98.749 | 98.751 | 0.002 |
| | Max | 98.761 | 98.762 | 0.006 |
| | Average | 98.750 | 98.751 | 0.001 |
| | Min | 98.737 | 98.740 | -0.002 |
| | Std Dev | 0.006 | 0.005 | 0.002 |




| | 6.93_OH_10mA_PWRGD_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.745 | 98.740 | 98.745 | 98.746 | 98.749 | 98.746 | 98.740 | 98.748 | 98.749 | 98.740 | 98.750 |
| Average | 98.753 | 98.752 | 98.751 | 98.753 | 98.753 | 98.751 | 98.749 | 98.750 | 98.754 | 98.750 | 98.752 |
| Max | 98.759 | 98.762 | 98.759 | 98.756 | 98.761 | 98.759 | 98.756 | 98.756 | 98.758 | 98.760 | 98.756 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

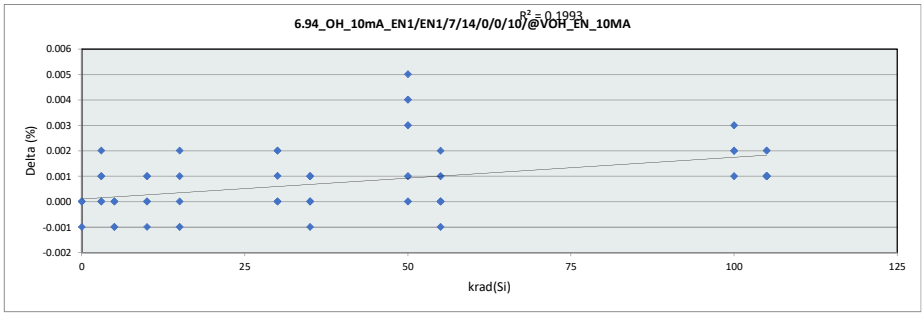


# TID HDR Report
# TPS7H3014-SP

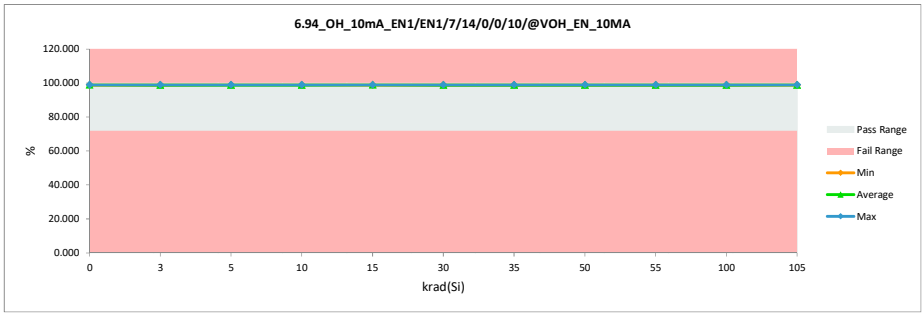
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.94_OH_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.883 | 98.883 | 0.000 |
| 0 | 14 | 98.870 | 98.869 | -0.001 |
| 0 | 15 | 98.880 | 98.880 | 0.000 |
| 3 | 20 | 98.868 | 98.870 | 0.002 |
| 3 | 21 | 98.882 | 98.882 | 0.000 |
| 3 | 22 | 98.873 | 98.874 | 0.001 |
| 3 | 23 | 98.866 | 98.867 | 0.001 |
| 3 | 24 | 98.877 | 98.877 | 0.000 |
| 5 | 25 | 98.875 | 98.874 | -0.001 |
| 5 | 26 | 98.870 | 98.870 | 0.000 |
| 5 | 27 | 98.879 | 98.878 | -0.001 |
| 5 | 28 | 98.875 | 98.874 | -0.001 |
| 5 | 29 | 98.875 | 98.875 | 0.000 |
| 10 | 30 | 98.870 | 98.870 | 0.000 |
| 10 | 31 | 98.878 | 98.878 | 0.000 |
| 10 | 32 | 98.874 | 98.875 | 0.001 |
| 10 | 33 | 98.872 | 98.873 | 0.001 |
| 10 | 34 | 98.880 | 98.879 | -0.001 |
| 15 | 35 | 98.867 | 98.869 | 0.002 |
| 15 | 36 | 98.881 | 98.881 | 0.000 |
| 15 | 37 | 98.877 | 98.876 | -0.001 |
| 15 | 38 | 98.885 | 98.886 | 0.001 |
| 15 | 39 | 98.870 | 98.869 | -0.001 |
| 30 | 40 | 98.880 | 98.880 | 0.000 |
| 30 | 41 | 98.868 | 98.869 | 0.001 |
| 30 | 42 | 98.870 | 98.872 | 0.002 |
| 30 | 43 | 98.878 | 98.878 | 0.000 |
| 30 | 44 | 98.868 | 98.870 | 0.002 |
| 35 | 45 | 98.872 | 98.871 | -0.001 |
| 35 | 46 | 98.868 | 98.868 | 0.000 |
| 35 | 47 | 98.880 | 98.880 | 0.000 |
| 35 | 48 | 98.865 | 98.866 | 0.001 |
| 35 | 49 | 98.870 | 98.871 | 0.001 |
| 50 | 50 | 98.866 | 98.871 | 0.005 |
| 50 | 51 | 98.874 | 98.877 | 0.003 |
| 50 | 52 | 98.868 | 98.872 | 0.004 |
| 50 | 53 | 98.866 | 98.867 | 0.001 |
| 50 | 54 | 98.876 | 98.876 | 0.000 |
| 55 | 55 | 98.867 | 98.868 | 0.001 |
| 55 | 56 | 98.878 | 98.880 | 0.002 |
| 55 | 57 | 98.877 | 98.877 | 0.000 |
| 55 | 58 | 98.870 | 98.870 | 0.000 |
| 55 | 59 | 98.879 | 98.878 | -0.001 |
| 100 | 60 | 98.873 | 98.875 | 0.002 |
| 100 | 61 | 98.864 | 98.865 | 0.001 |
| 100 | 62 | 98.865 | 98.867 | 0.002 |
| 100 | 63 | 98.875 | 98.877 | 0.002 |
| 100 | 64 | 98.869 | 98.872 | 0.003 |
| 105 | 65 | 98.875 | 98.876 | 0.001 |
| 105 | 66 | 98.866 | 98.867 | 0.001 |
| 105 | 67 | 98.868 | 98.869 | 0.001 |
| 105 | 68 | 98.867 | 98.869 | 0.002 |
| 105 | 69 | 98.872 | 98.873 | 0.001 |
| | Max | 98.885 | 98.886 | 0.005 |
| | Average | 98.873 | 98.874 | 0.001 |
| | Min | 98.864 | 98.865 | -0.001 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 6.94_OH_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.869 | 98.867 | 98.870 | 98.870 | 98.869 | 98.869 | 98.866 | 98.867 | 98.868 | 98.865 | 98.867 |
| Average | 98.877 | 98.874 | 98.874 | 98.875 | 98.876 | 98.874 | 98.871 | 98.873 | 98.875 | 98.871 | 98.871 |
| Max | 98.883 | 98.882 | 98.878 | 98.879 | 98.886 | 98.880 | 98.880 | 98.877 | 98.880 | 98.877 | 98.876 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

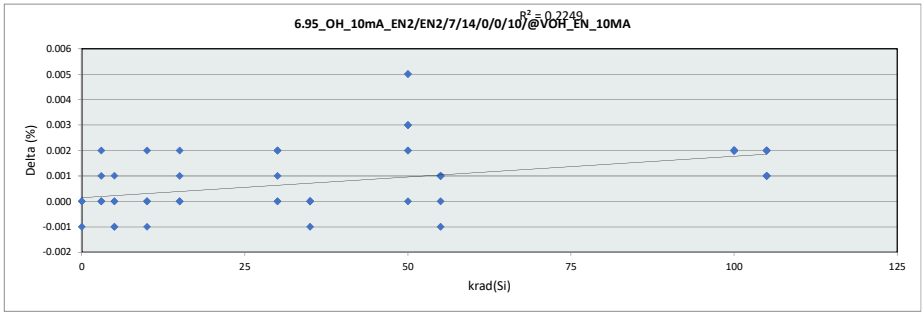


# TID HDR Report
# TPS7H3014-SP

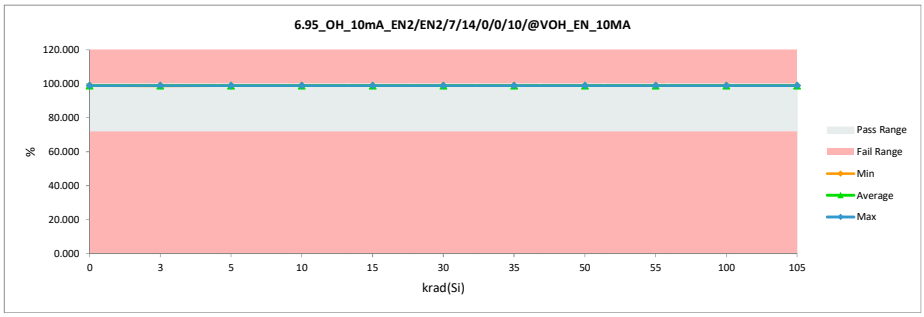
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.95_OH_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.897 | 98.897 | 0.000 |
| 0 | 14 | 98.885 | 98.884 | -0.001 |
| 0 | 15 | 98.896 | 98.896 | 0.000 |
| 3 | 20 | 98.875 | 98.877 | 0.002 |
| 3 | 21 | 98.898 | 98.898 | 0.000 |
| 3 | 22 | 98.889 | 98.889 | 0.000 |
| 3 | 23 | 98.884 | 98.885 | 0.001 |
| 3 | 24 | 98.888 | 98.888 | 0.000 |
| 5 | 25 | 98.889 | 98.888 | -0.001 |
| 5 | 26 | 98.881 | 98.882 | 0.001 |
| 5 | 27 | 98.896 | 98.896 | 0.000 |
| 5 | 28 | 98.892 | 98.892 | 0.000 |
| 5 | 29 | 98.885 | 98.884 | -0.001 |
| 10 | 30 | 98.885 | 98.885 | 0.000 |
| 10 | 31 | 98.892 | 98.892 | 0.000 |
| 10 | 32 | 98.889 | 98.891 | 0.002 |
| 10 | 33 | 98.891 | 98.891 | 0.000 |
| 10 | 34 | 98.894 | 98.893 | -0.001 |
| 15 | 35 | 98.885 | 98.887 | 0.002 |
| 15 | 36 | 98.893 | 98.893 | 0.000 |
| 15 | 37 | 98.886 | 98.886 | 0.000 |
| 15 | 38 | 98.899 | 98.900 | 0.001 |
| 15 | 39 | 98.888 | 98.888 | 0.000 |
| 30 | 40 | 98.894 | 98.894 | 0.000 |
| 30 | 41 | 98.888 | 98.888 | 0.000 |
| 30 | 42 | 98.887 | 98.889 | 0.002 |
| 30 | 43 | 98.891 | 98.892 | 0.001 |
| 30 | 44 | 98.885 | 98.887 | 0.002 |
| 35 | 45 | 98.889 | 98.888 | -0.001 |
| 35 | 46 | 98.881 | 98.881 | 0.000 |
| 35 | 47 | 98.895 | 98.895 | 0.000 |
| 35 | 48 | 98.887 | 98.887 | 0.000 |
| 35 | 49 | 98.882 | 98.882 | 0.000 |
| 50 | 50 | 98.880 | 98.885 | 0.005 |
| 50 | 51 | 98.885 | 98.888 | 0.003 |
| 50 | 52 | 98.882 | 98.885 | 0.003 |
| 50 | 53 | 98.888 | 98.890 | 0.002 |
| 50 | 54 | 98.893 | 98.893 | 0.000 |
| 55 | 55 | 98.885 | 98.886 | 0.001 |
| 55 | 56 | 98.893 | 98.894 | 0.001 |
| 55 | 57 | 98.894 | 98.895 | 0.001 |
| 55 | 58 | 98.887 | 98.887 | 0.000 |
| 55 | 59 | 98.894 | 98.893 | -0.001 |
| 100 | 60 | 98.891 | 98.893 | 0.002 |
| 100 | 61 | 98.877 | 98.879 | 0.002 |
| 100 | 62 | 98.878 | 98.880 | 0.002 |
| 100 | 63 | 98.892 | 98.894 | 0.002 |
| 100 | 64 | 98.885 | 98.887 | 0.002 |
| 105 | 65 | 98.890 | 98.892 | 0.002 |
| 105 | 66 | 98.887 | 98.888 | 0.001 |
| 105 | 67 | 98.888 | 98.889 | 0.001 |
| 105 | 68 | 98.886 | 98.888 | 0.002 |
| 105 | 69 | 98.884 | 98.885 | 0.001 |
| | Max | 98.899 | 98.900 | 0.005 |
| | Average | 98.888 | 98.889 | 0.001 |
| | Min | 98.875 | 98.877 | -0.001 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 6.95_OH_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.884 | 98.877 | 98.882 | 98.885 | 98.886 | 98.887 | 98.881 | 98.885 | 98.886 | 98.879 | 98.885 |
| Average | 98.892 | 98.887 | 98.888 | 98.890 | 98.891 | 98.890 | 98.887 | 98.888 | 98.891 | 98.887 | 98.888 |
| Max | 98.897 | 98.898 | 98.896 | 98.893 | 98.900 | 98.894 | 98.895 | 98.893 | 98.895 | 98.894 | 98.892 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

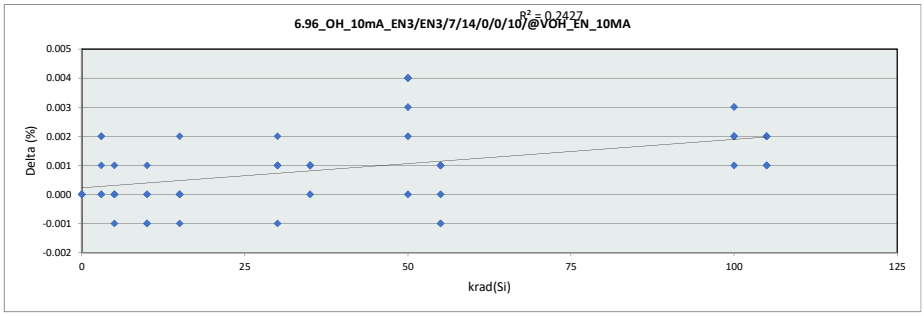


# TID HDR Report
# TPS7H3014-SP

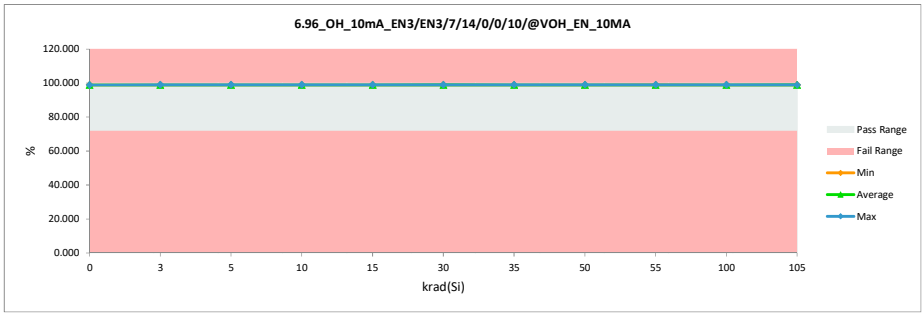
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.96_OH_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.941 | 98.941 | 0.000 |
| 0 | 14 | 98.931 | 98.931 | 0.000 |
| 0 | 15 | 98.943 | 98.943 | 0.000 |
| 3 | 20 | 98.929 | 98.931 | 0.002 |
| 3 | 21 | 98.948 | 98.948 | 0.000 |
| 3 | 22 | 98.942 | 98.943 | 0.001 |
| 3 | 23 | 98.931 | 98.933 | 0.002 |
| 3 | 24 | 98.939 | 98.939 | 0.000 |
| 5 | 25 | 98.935 | 98.935 | 0.000 |
| 5 | 26 | 98.930 | 98.931 | 0.001 |
| 5 | 27 | 98.944 | 98.943 | -0.001 |
| 5 | 28 | 98.949 | 98.949 | 0.000 |
| 5 | 29 | 98.938 | 98.938 | 0.000 |
| 10 | 30 | 98.929 | 98.929 | 0.000 |
| 10 | 31 | 98.950 | 98.949 | -0.001 |
| 10 | 32 | 98.942 | 98.943 | 0.001 |
| 10 | 33 | 98.944 | 98.944 | 0.000 |
| 10 | 34 | 98.946 | 98.945 | -0.001 |
| 15 | 35 | 98.931 | 98.933 | 0.002 |
| 15 | 36 | 98.938 | 98.938 | 0.000 |
| 15 | 37 | 98.939 | 98.938 | -0.001 |
| 15 | 38 | 98.951 | 98.951 | 0.000 |
| 15 | 39 | 98.942 | 98.942 | 0.000 |
| 30 | 40 | 98.949 | 98.948 | -0.001 |
| 30 | 41 | 98.940 | 98.941 | 0.001 |
| 30 | 42 | 98.942 | 98.943 | 0.001 |
| 30 | 43 | 98.947 | 98.948 | 0.001 |
| 30 | 44 | 98.931 | 98.933 | 0.002 |
| 35 | 45 | 98.939 | 98.939 | 0.000 |
| 35 | 46 | 98.930 | 98.931 | 0.001 |
| 35 | 47 | 98.945 | 98.946 | 0.001 |
| 35 | 48 | 98.939 | 98.940 | 0.001 |
| 35 | 49 | 98.932 | 98.933 | 0.001 |
| 50 | 50 | 98.928 | 98.932 | 0.004 |
| 50 | 51 | 98.937 | 98.941 | 0.004 |
| 50 | 52 | 98.932 | 98.935 | 0.003 |
| 50 | 53 | 98.942 | 98.944 | 0.002 |
| 50 | 54 | 98.942 | 98.942 | 0.000 |
| 55 | 55 | 98.935 | 98.936 | 0.001 |
| 55 | 56 | 98.941 | 98.942 | 0.001 |
| 55 | 57 | 98.945 | 98.946 | 0.001 |
| 55 | 58 | 98.937 | 98.937 | 0.000 |
| 55 | 59 | 98.943 | 98.942 | -0.001 |
| 100 | 60 | 98.939 | 98.941 | 0.002 |
| 100 | 61 | 98.926 | 98.927 | 0.001 |
| 100 | 62 | 98.927 | 98.929 | 0.002 |
| 100 | 63 | 98.943 | 98.945 | 0.002 |
| 100 | 64 | 98.936 | 98.939 | 0.003 |
| 105 | 65 | 98.938 | 98.940 | 0.002 |
| 105 | 66 | 98.934 | 98.935 | 0.001 |
| 105 | 67 | 98.933 | 98.935 | 0.002 |
| 105 | 68 | 98.932 | 98.934 | 0.002 |
| 105 | 69 | 98.933 | 98.934 | 0.001 |
| | Max | 98.951 | 98.951 | 0.004 |
| | Average | 98.938 | 98.939 | 0.001 |
| | Min | 98.926 | 98.927 | -0.001 |
| | Std Dev | 0.007 | 0.006 | 0.001 |




| | 6.96_OH_10mA_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.931 | 98.931 | 98.931 | 98.929 | 98.933 | 98.933 | 98.931 | 98.932 | 98.936 | 98.927 | 98.934 |
| Average | 98.938 | 98.939 | 98.939 | 98.942 | 98.940 | 98.943 | 98.938 | 98.939 | 98.941 | 98.936 | 98.936 |
| Max | 98.943 | 98.948 | 98.949 | 98.949 | 98.951 | 98.948 | 98.946 | 98.944 | 98.946 | 98.945 | 98.940 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

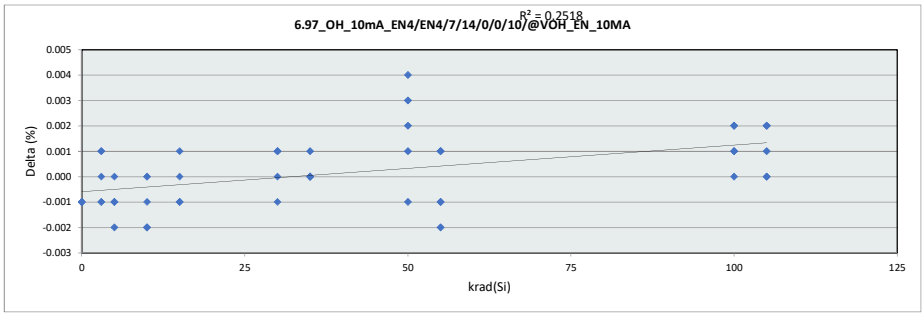


# TID HDR Report
# TPS7H3014-SP

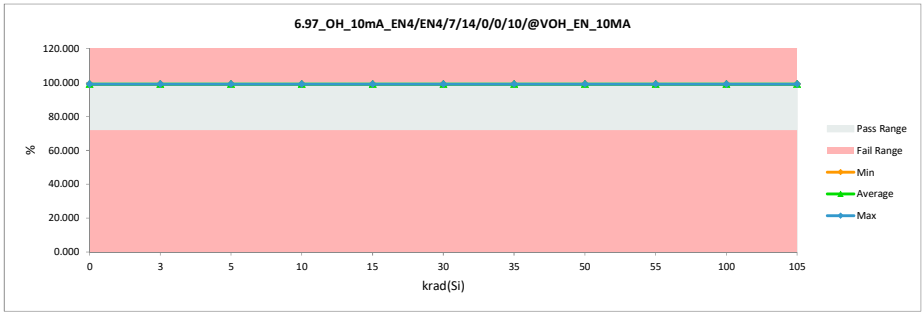
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.97_OH_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 99.022 | 99.021 | -0.001 |
| 0 | 14 | 99.014 | 99.013 | -0.001 |
| 0 | 15 | 99.021 | 99.020 | -0.001 |
| 3 | 20 | 99.013 | 99.014 | 0.001 |
| 3 | 21 | 99.030 | 99.029 | -0.001 |
| 3 | 22 | 99.023 | 99.023 | 0.000 |
| 3 | 23 | 99.012 | 99.013 | 0.001 |
| 3 | 24 | 99.024 | 99.023 | -0.001 |
| 5 | 25 | 99.016 | 99.015 | -0.001 |
| 5 | 26 | 99.009 | 99.009 | 0.000 |
| 5 | 27 | 99.029 | 99.027 | -0.002 |
| 5 | 28 | 99.028 | 99.027 | -0.001 |
| 5 | 29 | 99.015 | 99.014 | -0.001 |
| 10 | 30 | 99.009 | 99.008 | -0.001 |
| 10 | 31 | 99.030 | 99.028 | -0.002 |
| 10 | 32 | 99.026 | 99.026 | 0.000 |
| 10 | 33 | 99.022 | 99.022 | 0.000 |
| 10 | 34 | 99.030 | 99.028 | -0.002 |
| 15 | 35 | 99.012 | 99.013 | 0.001 |
| 15 | 36 | 99.019 | 99.018 | -0.001 |
| 15 | 37 | 99.018 | 99.017 | -0.001 |
| 15 | 38 | 99.030 | 99.030 | 0.000 |
| 15 | 39 | 99.023 | 99.022 | -0.001 |
| 30 | 40 | 99.026 | 99.025 | -0.001 |
| 30 | 41 | 99.017 | 99.018 | 0.001 |
| 30 | 42 | 99.019 | 99.020 | 0.001 |
| 30 | 43 | 99.026 | 99.026 | 0.000 |
| 30 | 44 | 99.012 | 99.013 | 0.001 |
| 35 | 45 | 99.019 | 99.019 | 0.000 |
| 35 | 46 | 99.013 | 99.013 | 0.000 |
| 35 | 47 | 99.027 | 99.027 | 0.000 |
| 35 | 48 | 99.020 | 99.020 | 0.000 |
| 35 | 49 | 99.013 | 99.014 | 0.001 |
| 50 | 50 | 99.002 | 99.006 | 0.004 |
| 50 | 51 | 99.017 | 99.020 | 0.003 |
| 50 | 52 | 99.013 | 99.015 | 0.002 |
| 50 | 53 | 99.024 | 99.025 | 0.001 |
| 50 | 54 | 99.020 | 99.019 | -0.001 |
| 55 | 55 | 99.015 | 99.016 | 0.001 |
| 55 | 56 | 99.021 | 99.022 | 0.001 |
| 55 | 57 | 99.027 | 99.026 | -0.001 |
| 55 | 58 | 99.015 | 99.014 | -0.001 |
| 55 | 59 | 99.027 | 99.025 | -0.002 |
| 100 | 60 | 99.019 | 99.020 | 0.001 |
| 100 | 61 | 99.005 | 99.005 | 0.000 |
| 100 | 62 | 99.011 | 99.013 | 0.002 |
| 100 | 63 | 99.023 | 99.024 | 0.001 |
| 100 | 64 | 99.018 | 99.020 | 0.002 |
| 105 | 65 | 99.018 | 99.019 | 0.001 |
| 105 | 66 | 99.018 | 99.018 | 0.000 |
| 105 | 67 | 99.012 | 99.014 | 0.002 |
| 105 | 68 | 99.015 | 99.017 | 0.002 |
| 105 | 69 | 99.010 | 99.010 | 0.000 |
| | Max | 99.030 | 99.030 | 0.004 |
| | Average | 99.019 | 99.019 | 0.000 |
| | Min | 99.002 | 99.005 | -0.002 |
| | Std Dev | 0.007 | 0.006 | 0.001 |




| | 6.97_OH_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 99.013 | 99.013 | 99.009 | 99.008 | 99.013 | 99.013 | 99.013 | 99.006 | 99.014 | 99.005 | 99.010 |
| Average | 99.018 | 99.020 | 99.018 | 99.022 | 99.020 | 99.020 | 99.019 | 99.017 | 99.021 | 99.016 | 99.016 |
| Max | 99.021 | 99.029 | 99.027 | 99.028 | 99.030 | 99.026 | 99.027 | 99.025 | 99.026 | 99.024 | 99.019 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

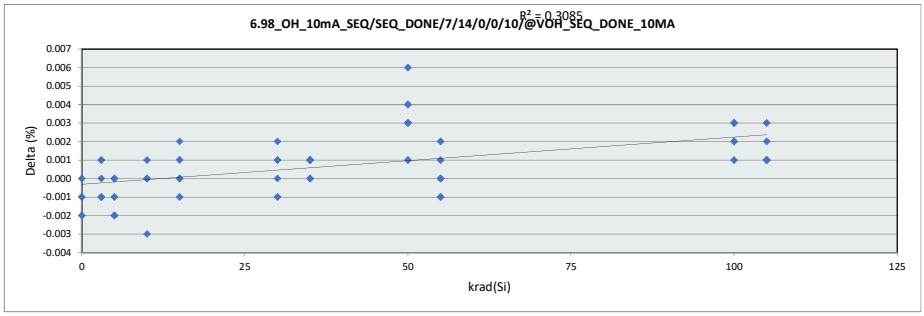


# TID HDR Report
# TPS7H3014-SP

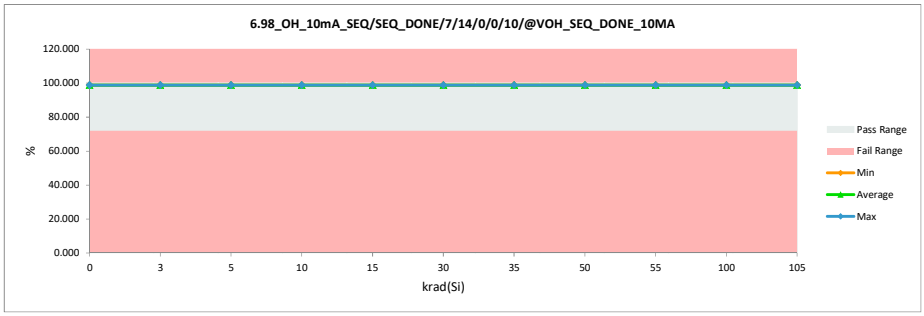
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.98_OH_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.793 | 98.792 | -0.001 |
| 0 | 14 | 98.784 | 98.784 | 0.000 |
| 0 | 15 | 98.796 | 98.794 | -0.002 |
| 3 | 20 | 98.771 | 98.772 | 0.001 |
| 3 | 21 | 98.796 | 98.797 | 0.001 |
| 3 | 22 | 98.793 | 98.793 | 0.000 |
| 3 | 23 | 98.785 | 98.784 | -0.001 |
| 3 | 24 | 98.786 | 98.785 | -0.001 |
| 5 | 25 | 98.782 | 98.780 | -0.002 |
| 5 | 26 | 98.780 | 98.780 | 0.000 |
| 5 | 27 | 98.790 | 98.788 | -0.002 |
| 5 | 28 | 98.801 | 98.801 | 0.000 |
| 5 | 29 | 98.789 | 98.788 | -0.001 |
| 10 | 30 | 98.785 | 98.785 | 0.000 |
| 10 | 31 | 98.792 | 98.792 | 0.000 |
| 10 | 32 | 98.789 | 98.790 | 0.001 |
| 10 | 33 | 98.792 | 98.792 | 0.000 |
| 10 | 34 | 98.795 | 98.792 | -0.003 |
| 15 | 35 | 98.784 | 98.786 | 0.002 |
| 15 | 36 | 98.791 | 98.791 | 0.000 |
| 15 | 37 | 98.786 | 98.785 | -0.001 |
| 15 | 38 | 98.798 | 98.799 | 0.001 |
| 15 | 39 | 98.786 | 98.786 | 0.000 |
| 30 | 40 | 98.794 | 98.793 | -0.001 |
| 30 | 41 | 98.783 | 98.783 | 0.000 |
| 30 | 42 | 98.785 | 98.786 | 0.001 |
| 30 | 43 | 98.789 | 98.790 | 0.001 |
| 30 | 44 | 98.788 | 98.790 | 0.002 |
| 35 | 45 | 98.785 | 98.785 | 0.000 |
| 35 | 46 | 98.778 | 98.779 | 0.001 |
| 35 | 47 | 98.794 | 98.795 | 0.001 |
| 35 | 48 | 98.794 | 98.794 | 0.000 |
| 35 | 49 | 98.775 | 98.776 | 0.001 |
| 50 | 50 | 98.777 | 98.783 | 0.006 |
| 50 | 51 | 98.788 | 98.792 | 0.004 |
| 50 | 52 | 98.779 | 98.782 | 0.003 |
| 50 | 53 | 98.785 | 98.788 | 0.003 |
| 50 | 54 | 98.783 | 98.784 | 0.001 |
| 55 | 55 | 98.782 | 98.784 | 0.002 |
| 55 | 56 | 98.787 | 98.788 | 0.001 |
| 55 | 57 | 98.791 | 98.791 | 0.000 |
| 55 | 58 | 98.785 | 98.785 | 0.000 |
| 55 | 59 | 98.791 | 98.790 | -0.001 |
| 100 | 60 | 98.789 | 98.791 | 0.002 |
| 100 | 61 | 98.774 | 98.775 | 0.001 |
| 100 | 62 | 98.771 | 98.773 | 0.002 |
| 100 | 63 | 98.792 | 98.795 | 0.003 |
| 100 | 64 | 98.781 | 98.784 | 0.003 |
| 105 | 65 | 98.789 | 98.792 | 0.003 |
| 105 | 66 | 98.783 | 98.784 | 0.001 |
| 105 | 67 | 98.783 | 98.784 | 0.001 |
| 105 | 68 | 98.785 | 98.787 | 0.002 |
| 105 | 69 | 98.780 | 98.781 | 0.001 |
| | Max | 98.801 | 98.801 | 0.006 |
| | Average | 98.786 | 98.787 | 0.001 |
| | Min | 98.771 | 98.772 | -0.003 |
| | Std Dev | 0.007 | 0.006 | 0.002 |




| | 6.98_OH_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.784 | 98.772 | 98.780 | 98.785 | 98.785 | 98.783 | 98.776 | 98.782 | 98.784 | 98.773 | 98.781 |
| Average | 98.790 | 98.786 | 98.787 | 98.790 | 98.789 | 98.788 | 98.786 | 98.786 | 98.788 | 98.784 | 98.786 |
| Max | 98.794 | 98.797 | 98.801 | 98.792 | 98.799 | 98.793 | 98.795 | 98.792 | 98.791 | 98.795 | 98.792 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

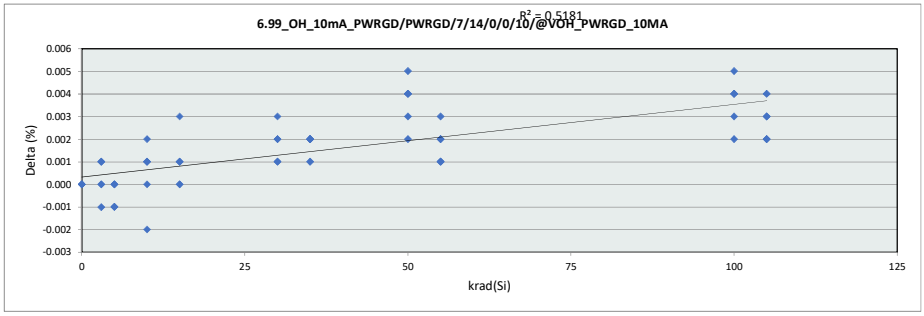


# TID HDR Report
# TPS7H3014-SP

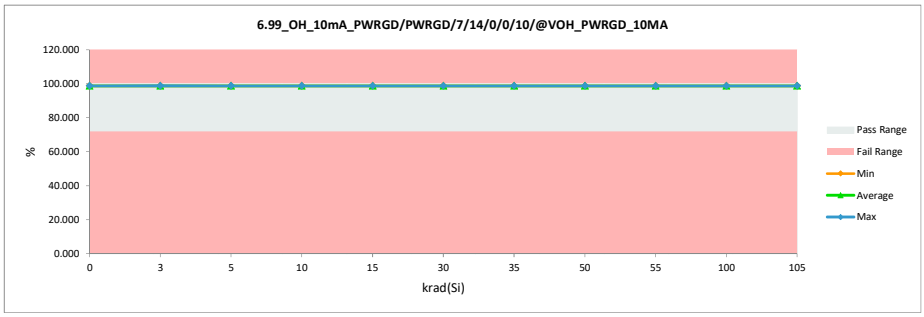
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.99_OH_10mA_PWRGD/F | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 100 | 100 |
| Min Limit | 70 | 72 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.757 | 98.757 | 0.000 |
| 0 | 14 | 98.744 | 98.744 | 0.000 |
| 0 | 15 | 98.755 | 98.755 | 0.000 |
| 3 | 20 | 98.737 | 98.738 | 0.001 |
| 3 | 21 | 98.760 | 98.761 | 0.001 |
| 3 | 22 | 98.758 | 98.758 | 0.000 |
| 3 | 23 | 98.752 | 98.752 | 0.000 |
| 3 | 24 | 98.744 | 98.743 | -0.001 |
| 5 | 25 | 98.747 | 98.747 | 0.000 |
| 5 | 26 | 98.743 | 98.743 | 0.000 |
| 5 | 27 | 98.752 | 98.751 | -0.001 |
| 5 | 28 | 98.758 | 98.758 | 0.000 |
| 5 | 29 | 98.749 | 98.748 | -0.001 |
| 10 | 30 | 98.745 | 98.745 | 0.000 |
| 10 | 31 | 98.754 | 98.755 | 0.001 |
| 10 | 32 | 98.748 | 98.750 | 0.002 |
| 10 | 33 | 98.754 | 98.755 | 0.001 |
| 10 | 34 | 98.755 | 98.753 | -0.002 |
| 15 | 35 | 98.748 | 98.751 | 0.003 |
| 15 | 36 | 98.750 | 98.751 | 0.001 |
| 15 | 37 | 98.747 | 98.747 | 0.000 |
| 15 | 38 | 98.759 | 98.759 | 0.000 |
| 15 | 39 | 98.748 | 98.749 | 0.001 |
| 30 | 40 | 98.757 | 98.758 | 0.001 |
| 30 | 41 | 98.743 | 98.744 | 0.001 |
| 30 | 42 | 98.747 | 98.749 | 0.002 |
| 30 | 43 | 98.747 | 98.749 | 0.002 |
| 30 | 44 | 98.747 | 98.750 | 0.003 |
| 35 | 45 | 98.750 | 98.752 | 0.002 |
| 35 | 46 | 98.740 | 98.742 | 0.002 |
| 35 | 47 | 98.753 | 98.755 | 0.002 |
| 35 | 48 | 98.750 | 98.751 | 0.001 |
| 35 | 49 | 98.737 | 98.739 | 0.002 |
| 50 | 50 | 98.741 | 98.746 | 0.005 |
| 50 | 51 | 98.751 | 98.755 | 0.004 |
| 50 | 52 | 98.744 | 98.748 | 0.004 |
| 50 | 53 | 98.745 | 98.748 | 0.003 |
| 50 | 54 | 98.745 | 98.747 | 0.002 |
| 55 | 55 | 98.745 | 98.747 | 0.002 |
| 55 | 56 | 98.752 | 98.755 | 0.003 |
| 55 | 57 | 98.753 | 98.755 | 0.002 |
| 55 | 58 | 98.746 | 98.747 | 0.001 |
| 55 | 59 | 98.756 | 98.757 | 0.001 |
| 100 | 60 | 98.752 | 98.756 | 0.004 |
| 100 | 61 | 98.741 | 98.743 | 0.002 |
| 100 | 62 | 98.735 | 98.738 | 0.003 |
| 100 | 63 | 98.754 | 98.759 | 0.005 |
| 100 | 64 | 98.744 | 98.748 | 0.004 |
| 105 | 65 | 98.751 | 98.755 | 0.004 |
| 105 | 66 | 98.747 | 98.749 | 0.002 |
| 105 | 67 | 98.745 | 98.748 | 0.003 |
| 105 | 68 | 98.747 | 98.750 | 0.003 |
| 105 | 69 | 98.748 | 98.750 | 0.002 |
| | Max | 98.760 | 98.761 | 0.005 |
| | Average | 98.749 | 98.750 | 0.002 |
| | Min | 98.735 | 98.738 | -0.002 |
| | Std Dev | 0.006 | 0.006 | 0.002 |




| | 6.99_OH_10mA_PWRGD_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 100 | % | | | | | | | | | |
| Min Limit | 72 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 | 72.000 |
| Min | 98.744 | 98.738 | 98.743 | 98.745 | 98.747 | 98.744 | 98.739 | 98.746 | 98.747 | 98.738 | 98.748 |
| Average | 98.752 | 98.750 | 98.749 | 98.752 | 98.751 | 98.750 | 98.748 | 98.749 | 98.752 | 98.749 | 98.750 |
| Max | 98.757 | 98.761 | 98.758 | 98.755 | 98.759 | 98.758 | 98.755 | 98.755 | 98.757 | 98.759 | 98.755 |
| UL | 100.000 | 100.000 | 100.000 | 100.000 | #### | 100.000 | #### | #### | 100.000 | #### | 100.000 |

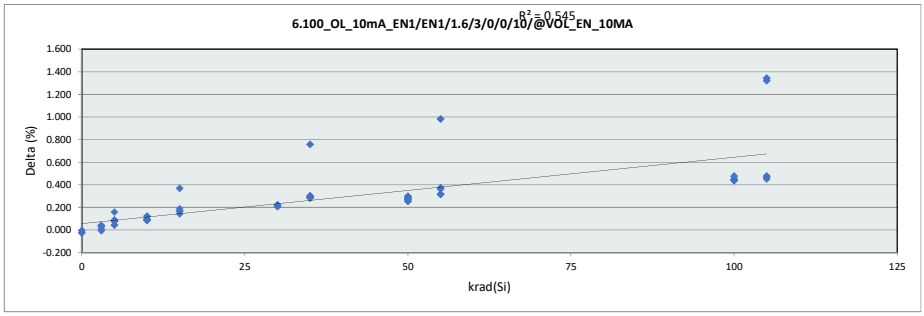


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

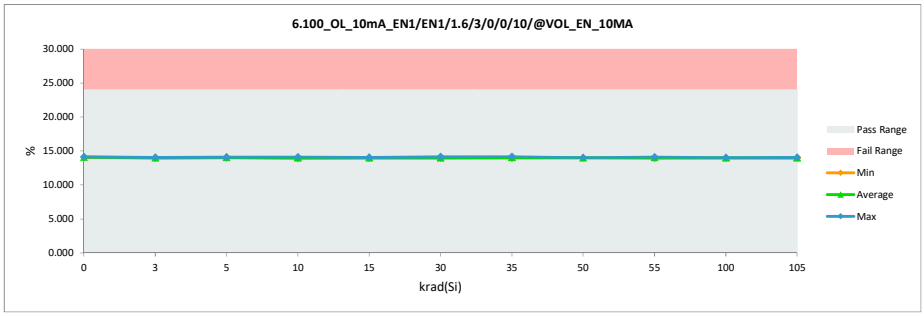
| | 6.100_OL_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 14.188 | 14.160 | -0.028 |
| 0 | 14 | 14.096 | 14.071 | -0.025 |
| 0 | 15 | 14.067 | 14.061 | -0.006 |
| 3 | 20 | 13.966 | 13.958 | -0.008 |
| 3 | 21 | 14.034 | 14.040 | 0.006 |
| 3 | 22 | 13.972 | 14.007 | 0.035 |
| 3 | 23 | 14.015 | 14.044 | 0.029 |
| 3 | 24 | 13.950 | 13.988 | 0.038 |
| 5 | 25 | 13.987 | 14.029 | 0.042 |
| 5 | 26 | 14.015 | 14.090 | 0.075 |
| 5 | 27 | 13.827 | 13.984 | 0.157 |
| 5 | 28 | 13.933 | 14.018 | 0.085 |
| 5 | 29 | 13.954 | 14.040 | 0.086 |
| 10 | 30 | 14.029 | 14.125 | 0.096 |
| 10 | 31 | 13.854 | 13.937 | 0.083 |
| 10 | 32 | 13.827 | 13.911 | 0.084 |
| 10 | 33 | 14.009 | 14.101 | 0.092 |
| 10 | 34 | 13.857 | 13.978 | 0.121 |
| 15 | 35 | 13.898 | 14.039 | 0.141 |
| 15 | 36 | 13.641 | 14.008 | 0.367 |
| 15 | 37 | 13.779 | 13.966 | 0.187 |
| 15 | 38 | 13.770 | 13.936 | 0.166 |
| 15 | 39 | 13.893 | 14.059 | 0.166 |
| 30 | 40 | 13.724 | 13.945 | 0.221 |
| 30 | 41 | 13.726 | 13.946 | 0.220 |
| 30 | 42 | 13.748 | 13.954 | 0.206 |
| 30 | 43 | 13.726 | 13.932 | 0.206 |
| 30 | 44 | 13.930 | 14.140 | 0.210 |
| 35 | 45 | 13.782 | 14.082 | 0.300 |
| 35 | 46 | 13.250 | 14.006 | 0.756 |
| 35 | 47 | 13.701 | 13.985 | 0.284 |
| 35 | 48 | 13.874 | 14.170 | 0.296 |
| 35 | 49 | 13.681 | 13.962 | 0.281 |
| 50 | 50 | 13.724 | 13.976 | 0.252 |
| 50 | 51 | 13.741 | 14.013 | 0.272 |
| 50 | 52 | 13.775 | 14.040 | 0.265 |
| 50 | 53 | 13.753 | 14.036 | 0.283 |
| 50 | 54 | 13.712 | 14.008 | 0.296 |
| 55 | 55 | 13.675 | 13.991 | 0.316 |
| 55 | 56 | 13.123 | 14.104 | 0.981 |
| 55 | 57 | 13.590 | 13.905 | 0.315 |
| 55 | 58 | 13.758 | 14.130 | 0.372 |
| 55 | 59 | 13.665 | 14.027 | 0.362 |
| 100 | 60 | 13.583 | 14.030 | 0.447 |
| 100 | 61 | 13.510 | 13.985 | 0.475 |
| 100 | 62 | 13.556 | 13.990 | 0.434 |
| 100 | 63 | 13.479 | 13.923 | 0.444 |
| 100 | 64 | 13.587 | 14.032 | 0.445 |
| 105 | 65 | 13.482 | 13.932 | 0.450 |
| 105 | 66 | 13.563 | 14.031 | 0.468 |
| 105 | 67 | 12.672 | 14.013 | 1.341 |
| 105 | 68 | 12.730 | 14.049 | 1.319 |
| 105 | 69 | 13.576 | 14.052 | 0.476 |
| | Max | 14.188 | 14.170 | 1.341 |
| | Average | 13.735 | 14.018 | 0.283 |
| | Min | 12.672 | 13.905 | -0.028 |
| | Std Dev | 0.292 | 0.064 | 0.286 |




| | 6.100_OL_10mA_EN1/EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 24 % |
| Min Limit | 0 % |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 14.061 | 13.958 | 13.984 | 13.911 | 13.936 | 13.932 | 13.962 | 13.976 | 13.905 | 13.923 | 13.932 |
| Average | 14.097 | 14.007 | 14.032 | 14.010 | 14.002 | 13.983 | 14.041 | 14.015 | 14.031 | 13.992 | 14.015 |
| Max | 14.160 | 14.044 | 14.090 | 14.125 | 14.059 | 14.140 | 14.170 | 14.040 | 14.130 | 14.032 | 14.052 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

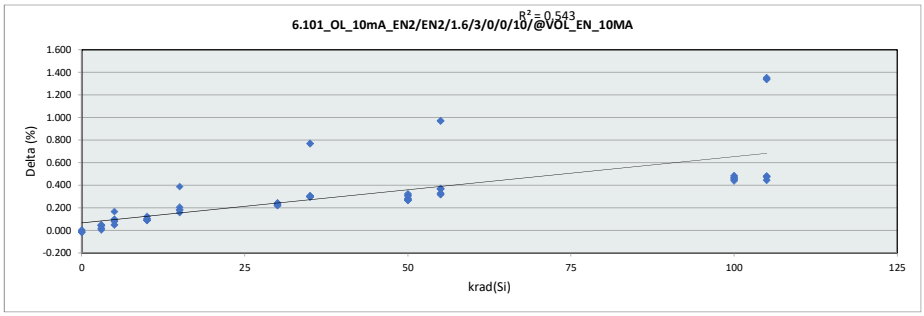


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

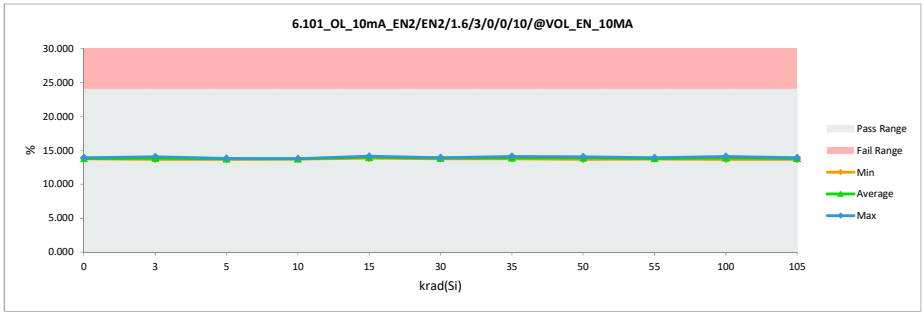
| | 6.101_OL_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 13.877 | 13.859 | -0.018 |
| 0 | 14 | 13.906 | 13.892 | -0.014 |
| 0 | 15 | 13.733 | 13.735 | 0.002 |
| 3 | 20 | 14.074 | 14.078 | 0.004 |
| 3 | 21 | 13.813 | 13.829 | 0.016 |
| 3 | 22 | 13.597 | 13.639 | 0.042 |
| 3 | 23 | 13.714 | 13.754 | 0.040 |
| 3 | 24 | 13.980 | 14.027 | 0.047 |
| 5 | 25 | 13.677 | 13.725 | 0.048 |
| 5 | 26 | 13.670 | 13.749 | 0.079 |
| 5 | 27 | 13.644 | 13.809 | 0.165 |
| 5 | 28 | 13.552 | 13.644 | 0.092 |
| 5 | 29 | 13.682 | 13.779 | 0.097 |
| 10 | 30 | 13.652 | 13.755 | 0.103 |
| 10 | 31 | 13.660 | 13.748 | 0.088 |
| 10 | 32 | 13.693 | 13.782 | 0.089 |
| 10 | 33 | 13.605 | 13.703 | 0.098 |
| 10 | 34 | 13.618 | 13.741 | 0.123 |
| 15 | 35 | 13.869 | 14.026 | 0.157 |
| 15 | 36 | 13.599 | 13.985 | 0.386 |
| 15 | 37 | 13.921 | 14.126 | 0.205 |
| 15 | 38 | 13.718 | 13.900 | 0.182 |
| 15 | 39 | 13.667 | 13.847 | 0.180 |
| 30 | 40 | 13.547 | 13.788 | 0.241 |
| 30 | 41 | 13.663 | 13.902 | 0.239 |
| 30 | 42 | 13.554 | 13.772 | 0.218 |
| 30 | 43 | 13.641 | 13.865 | 0.224 |
| 30 | 44 | 13.642 | 13.865 | 0.223 |
| 35 | 45 | 13.512 | 13.815 | 0.303 |
| 35 | 46 | 13.119 | 13.887 | 0.768 |
| 35 | 47 | 13.582 | 13.879 | 0.297 |
| 35 | 48 | 13.477 | 13.772 | 0.295 |
| 35 | 49 | 13.790 | 14.094 | 0.304 |
| 50 | 50 | 13.657 | 13.925 | 0.268 |
| 50 | 51 | 13.373 | 13.639 | 0.266 |
| 50 | 52 | 13.732 | 14.014 | 0.282 |
| 50 | 53 | 13.591 | 13.896 | 0.305 |
| 50 | 54 | 13.715 | 14.037 | 0.322 |
| 55 | 55 | 13.579 | 13.907 | 0.328 |
| 55 | 56 | 12.852 | 13.821 | 0.969 |
| 55 | 57 | 13.398 | 13.715 | 0.317 |
| 55 | 58 | 13.455 | 13.824 | 0.369 |
| 55 | 59 | 13.443 | 13.809 | 0.366 |
| 100 | 60 | 13.247 | 13.695 | 0.448 |
| 100 | 61 | 13.390 | 13.872 | 0.482 |
| 100 | 62 | 13.631 | 14.091 | 0.460 |
| 100 | 63 | 13.231 | 13.669 | 0.438 |
| 100 | 64 | 13.623 | 14.093 | 0.470 |
| 105 | 65 | 13.205 | 13.649 | 0.444 |
| 105 | 66 | 13.418 | 13.898 | 0.480 |
| 105 | 67 | 12.399 | 13.736 | 1.337 |
| 105 | 68 | 12.502 | 13.852 | 1.350 |
| 105 | 69 | 13.313 | 13.785 | 0.472 |
| | Max | 14.074 | 14.126 | 1.350 |
| | Average | 13.551 | 13.843 | 0.292 |
| | Min | 12.399 | 13.639 | -0.018 |
| | Std Dev | 0.309 | 0.129 | 0.285 |




| | 6.101_OL_10mA_EN2/EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 24 |
| Min Limit | 0 |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 13.735 | 13.639 | 13.644 | 13.703 | 13.847 | 13.772 | 13.772 | 13.639 | 13.715 | 13.669 | 13.649 |
| Average | 13.829 | 13.865 | 13.741 | 13.746 | 13.977 | 13.838 | 13.889 | 13.902 | 13.815 | 13.884 | 13.784 |
| Max | 13.892 | 14.078 | 13.809 | 13.782 | 14.126 | 13.902 | 14.094 | 14.037 | 13.907 | 14.093 | 13.898 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

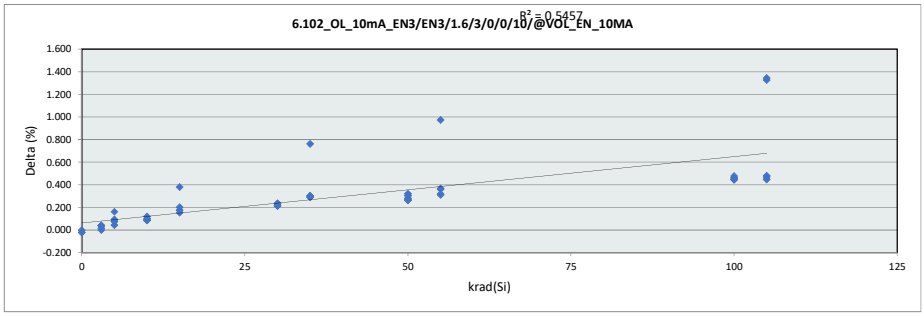


# TID HDR Report
# TPS7H3014-SP

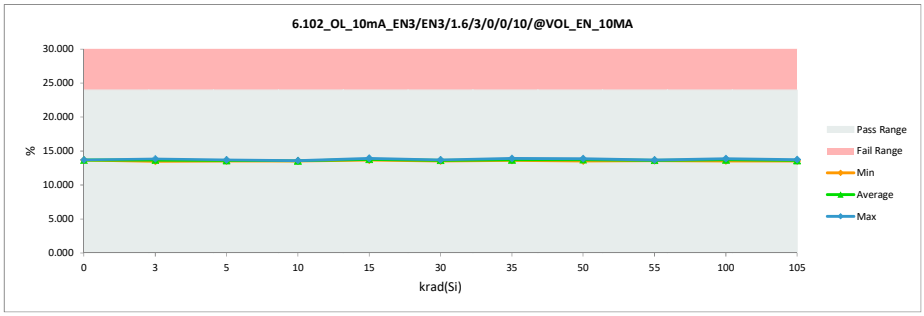
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.102_OL_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 13.682 | 13.659 | -0.023 |
| 0 | 14 | 13.728 | 13.708 | -0.020 |
| 0 | 15 | 13.663 | 13.661 | -0.002 |
| 3 | 20 | 13.837 | 13.836 | -0.001 |
| 3 | 21 | 13.630 | 13.644 | 0.014 |
| 3 | 22 | 13.425 | 13.463 | 0.038 |
| 3 | 23 | 13.616 | 13.653 | 0.037 |
| 3 | 24 | 13.801 | 13.841 | 0.040 |
| 5 | 25 | 13.556 | 13.598 | 0.042 |
| 5 | 26 | 13.475 | 13.549 | 0.074 |
| 5 | 27 | 13.433 | 13.593 | 0.160 |
| 5 | 28 | 13.429 | 13.519 | 0.090 |
| 5 | 29 | 13.614 | 13.707 | 0.093 |
| 10 | 30 | 13.480 | 13.578 | 0.098 |
| 10 | 31 | 13.515 | 13.599 | 0.084 |
| 10 | 32 | 13.443 | 13.528 | 0.085 |
| 10 | 33 | 13.465 | 13.558 | 0.093 |
| 10 | 34 | 13.386 | 13.505 | 0.119 |
| 15 | 35 | 13.658 | 13.811 | 0.153 |
| 15 | 36 | 13.386 | 13.765 | 0.379 |
| 15 | 37 | 13.726 | 13.928 | 0.202 |
| 15 | 38 | 13.470 | 13.644 | 0.174 |
| 15 | 39 | 13.505 | 13.681 | 0.176 |
| 30 | 40 | 13.395 | 13.630 | 0.235 |
| 30 | 41 | 13.479 | 13.711 | 0.232 |
| 30 | 42 | 13.320 | 13.531 | 0.211 |
| 30 | 43 | 13.402 | 13.617 | 0.215 |
| 30 | 44 | 13.492 | 13.708 | 0.216 |
| 35 | 45 | 13.339 | 13.639 | 0.300 |
| 35 | 46 | 12.926 | 13.687 | 0.761 |
| 35 | 47 | 13.383 | 13.672 | 0.289 |
| 35 | 48 | 13.318 | 13.611 | 0.293 |
| 35 | 49 | 13.606 | 13.908 | 0.302 |
| 50 | 50 | 13.437 | 13.699 | 0.262 |
| 50 | 51 | 13.243 | 13.510 | 0.267 |
| 50 | 52 | 13.534 | 13.814 | 0.280 |
| 50 | 53 | 13.411 | 13.714 | 0.303 |
| 50 | 54 | 13.550 | 13.869 | 0.319 |
| 55 | 55 | 13.370 | 13.688 | 0.318 |
| 55 | 56 | 12.693 | 13.666 | 0.973 |
| 55 | 57 | 13.247 | 13.557 | 0.310 |
| 55 | 58 | 13.271 | 13.637 | 0.366 |
| 55 | 59 | 13.256 | 13.617 | 0.361 |
| 100 | 60 | 13.091 | 13.535 | 0.444 |
| 100 | 61 | 13.207 | 13.684 | 0.477 |
| 100 | 62 | 13.390 | 13.840 | 0.450 |
| 100 | 63 | 13.162 | 13.609 | 0.447 |
| 100 | 64 | 13.417 | 13.879 | 0.462 |
| 105 | 65 | 13.082 | 13.529 | 0.447 |
| 105 | 66 | 13.240 | 13.720 | 0.480 |
| 105 | 67 | 12.264 | 13.607 | 1.343 |
| 105 | 68 | 12.236 | 13.562 | 1.326 |
| 105 | 69 | 13.111 | 13.579 | 0.468 |
| | Max | 13.837 | 13.928 | 1.343 |
| | Average | 13.373 | 13.661 | 0.288 |
| | Min | 12.236 | 13.463 | -0.023 |
| | Std Dev | 0.308 | 0.112 | 0.285 |




| | 6.102_OL_10mA_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 13.659 | 13.463 | 13.519 | 13.505 | 13.644 | 13.531 | 13.611 | 13.510 | 13.557 | 13.535 | 13.529 |
| Average | 13.676 | 13.687 | 13.593 | 13.554 | 13.766 | 13.639 | 13.703 | 13.721 | 13.633 | 13.709 | 13.599 |
| Max | 13.708 | 13.841 | 13.707 | 13.599 | 13.928 | 13.711 | 13.908 | 13.869 | 13.688 | 13.879 | 13.720 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

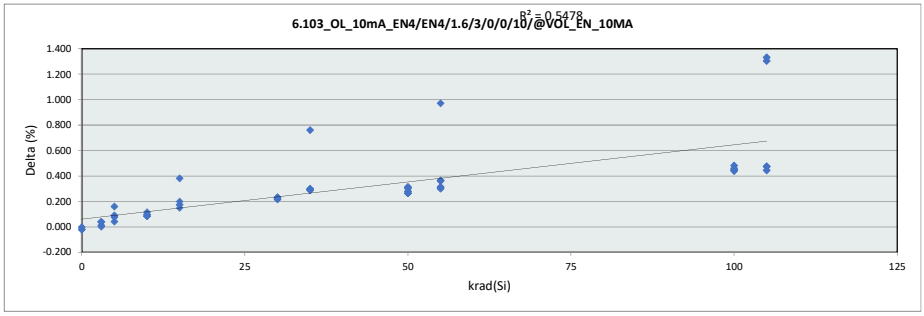


# TID HDR Report
# TPS7H3014-SP

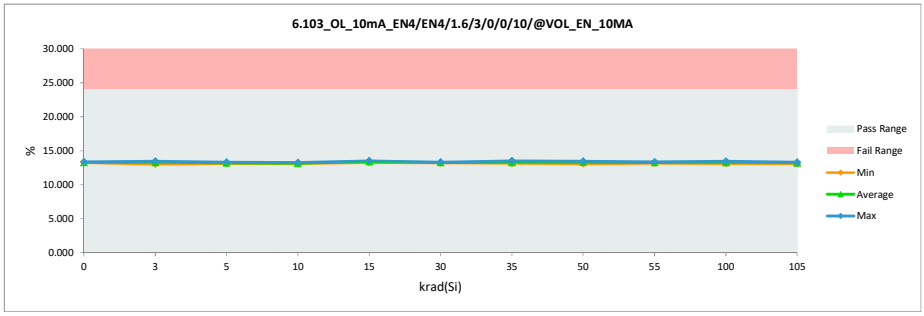
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.103_OL_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 13.259 | 13.236 | -0.023 |
| 0 | 14 | 13.384 | 13.363 | -0.021 |
| 0 | 15 | 13.256 | 13.253 | -0.003 |
| 3 | 20 | 13.462 | 13.462 | 0.000 |
| 3 | 21 | 13.207 | 13.217 | 0.010 |
| 3 | 22 | 12.980 | 13.017 | 0.037 |
| 3 | 23 | 13.207 | 13.243 | 0.036 |
| 3 | 24 | 13.383 | 13.423 | 0.040 |
| 5 | 25 | 13.218 | 13.258 | 0.040 |
| 5 | 26 | 13.148 | 13.223 | 0.075 |
| 5 | 27 | 13.009 | 13.168 | 0.159 |
| 5 | 28 | 13.034 | 13.119 | 0.085 |
| 5 | 29 | 13.236 | 13.325 | 0.089 |
| 10 | 30 | 13.094 | 13.192 | 0.098 |
| 10 | 31 | 13.184 | 13.267 | 0.083 |
| 10 | 32 | 13.000 | 13.084 | 0.084 |
| 10 | 33 | 13.071 | 13.166 | 0.095 |
| 10 | 34 | 12.977 | 13.092 | 0.115 |
| 15 | 35 | 13.220 | 13.368 | 0.148 |
| 15 | 36 | 13.134 | 13.514 | 0.380 |
| 15 | 37 | 13.324 | 13.523 | 0.199 |
| 15 | 38 | 13.078 | 13.251 | 0.173 |
| 15 | 39 | 13.049 | 13.222 | 0.173 |
| 30 | 40 | 12.957 | 13.189 | 0.232 |
| 30 | 41 | 13.068 | 13.298 | 0.230 |
| 30 | 42 | 13.019 | 13.237 | 0.218 |
| 30 | 43 | 13.024 | 13.240 | 0.216 |
| 30 | 44 | 13.121 | 13.336 | 0.215 |
| 35 | 45 | 12.847 | 13.140 | 0.293 |
| 35 | 46 | 12.587 | 13.347 | 0.760 |
| 35 | 47 | 12.945 | 13.232 | 0.287 |
| 35 | 48 | 12.926 | 13.218 | 0.292 |
| 35 | 49 | 13.202 | 13.501 | 0.299 |
| 50 | 50 | 13.058 | 13.322 | 0.264 |
| 50 | 51 | 12.798 | 13.061 | 0.263 |
| 50 | 52 | 13.163 | 13.440 | 0.277 |
| 50 | 53 | 12.991 | 13.293 | 0.302 |
| 50 | 54 | 13.129 | 13.442 | 0.313 |
| 55 | 55 | 13.065 | 13.378 | 0.313 |
| 55 | 56 | 12.269 | 13.239 | 0.970 |
| 55 | 57 | 12.872 | 13.171 | 0.299 |
| 55 | 58 | 12.905 | 13.270 | 0.365 |
| 55 | 59 | 12.837 | 13.197 | 0.360 |
| 100 | 60 | 12.683 | 13.129 | 0.446 |
| 100 | 61 | 12.862 | 13.343 | 0.481 |
| 100 | 62 | 12.977 | 13.427 | 0.450 |
| 100 | 63 | 12.644 | 13.082 | 0.438 |
| 100 | 64 | 12.991 | 13.451 | 0.460 |
| 105 | 65 | 12.677 | 13.120 | 0.443 |
| 105 | 66 | 12.835 | 13.309 | 0.474 |
| 105 | 67 | 11.904 | 13.236 | 1.332 |
| 105 | 68 | 11.884 | 13.188 | 1.304 |
| 105 | 69 | 12.792 | 13.265 | 0.473 |
| | Max | 13.462 | 13.523 | 1.332 |
| | Average | 12.980 | 13.266 | 0.286 |
| | Min | 11.884 | 13.017 | -0.023 |
| | Std Dev | 0.306 | 0.122 | 0.283 |




| | 6.103_OL_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 13.236 | 13.017 | 13.119 | 13.084 | 13.222 | 13.189 | 13.140 | 13.061 | 13.171 | 13.082 | 13.120 |
| Average | 13.284 | 13.272 | 13.219 | 13.160 | 13.376 | 13.260 | 13.288 | 13.312 | 13.251 | 13.286 | 13.224 |
| Max | 13.363 | 13.462 | 13.325 | 13.267 | 13.523 | 13.336 | 13.501 | 13.442 | 13.378 | 13.451 | 13.309 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

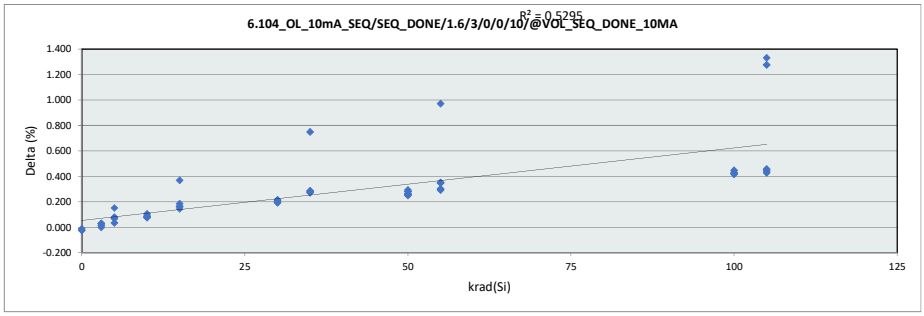


# TID HDR Report
# TPS7H3014-SP

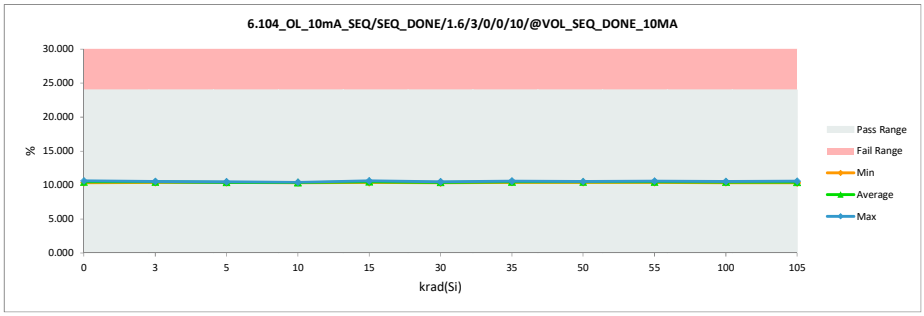
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.104_OL_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 10.453 | 10.428 | -0.025 |
| 0 | 14 | 10.627 | 10.604 | -0.023 |
| 0 | 15 | 10.345 | 10.333 | -0.012 |
| 3 | 20 | 10.508 | 10.506 | -0.002 |
| 3 | 21 | 10.426 | 10.437 | 0.011 |
| 3 | 22 | 10.335 | 10.364 | 0.029 |
| 3 | 23 | 10.396 | 10.422 | 0.026 |
| 3 | 24 | 10.497 | 10.528 | 0.031 |
| 5 | 25 | 10.326 | 10.359 | 0.033 |
| 5 | 26 | 10.310 | 10.377 | 0.067 |
| 5 | 27 | 10.341 | 10.492 | 0.151 |
| 5 | 28 | 10.283 | 10.360 | 0.077 |
| 5 | 29 | 10.321 | 10.398 | 0.077 |
| 10 | 30 | 10.257 | 10.346 | 0.089 |
| 10 | 31 | 10.309 | 10.384 | 0.075 |
| 10 | 32 | 10.259 | 10.336 | 0.077 |
| 10 | 33 | 10.321 | 10.403 | 0.082 |
| 10 | 34 | 10.244 | 10.348 | 0.104 |
| 15 | 35 | 10.323 | 10.467 | 0.144 |
| 15 | 36 | 10.233 | 10.601 | 0.368 |
| 15 | 37 | 10.412 | 10.597 | 0.185 |
| 15 | 38 | 10.198 | 10.359 | 0.161 |
| 15 | 39 | 10.205 | 10.370 | 0.165 |
| 30 | 40 | 10.189 | 10.404 | 0.215 |
| 30 | 41 | 10.266 | 10.478 | 0.212 |
| 30 | 42 | 10.126 | 10.320 | 0.194 |
| 30 | 43 | 10.130 | 10.322 | 0.192 |
| 30 | 44 | 10.219 | 10.419 | 0.200 |
| 35 | 45 | 10.215 | 10.501 | 0.286 |
| 35 | 46 | 9.829 | 10.578 | 0.749 |
| 35 | 47 | 10.116 | 10.388 | 0.272 |
| 35 | 48 | 10.136 | 10.412 | 0.276 |
| 35 | 49 | 10.206 | 10.485 | 0.279 |
| 50 | 50 | 10.202 | 10.452 | 0.250 |
| 50 | 51 | 10.111 | 10.366 | 0.255 |
| 50 | 52 | 10.253 | 10.515 | 0.262 |
| 50 | 53 | 10.219 | 10.500 | 0.281 |
| 50 | 54 | 10.172 | 10.465 | 0.293 |
| 55 | 55 | 10.142 | 10.443 | 0.301 |
| 55 | 56 | 9.610 | 10.581 | 0.971 |
| 55 | 57 | 10.077 | 10.369 | 0.292 |
| 55 | 58 | 10.106 | 10.458 | 0.352 |
| 55 | 59 | 10.068 | 10.415 | 0.347 |
| 100 | 60 | 9.908 | 10.333 | 0.425 |
| 100 | 61 | 9.979 | 10.426 | 0.447 |
| 100 | 62 | 10.082 | 10.505 | 0.423 |
| 100 | 63 | 9.920 | 10.336 | 0.416 |
| 100 | 64 | 10.115 | 10.541 | 0.426 |
| 105 | 65 | 9.921 | 10.348 | 0.427 |
| 105 | 66 | 9.922 | 10.366 | 0.444 |
| 105 | 67 | 9.178 | 10.509 | 1.331 |
| 105 | 68 | 9.041 | 10.317 | 1.276 |
| 105 | 69 | 10.091 | 10.548 | 0.457 |
| | Max | 10.627 | 10.604 | 1.331 |
| | Average | 10.160 | 10.432 | 0.272 |
| | Min | 9.041 | 10.317 | -0.025 |
| | Std Dev | 0.277 | 0.083 | 0.281 |




| | 6.104_OL_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 10.333 | 10.364 | 10.359 | 10.336 | 10.359 | 10.320 | 10.388 | 10.366 | 10.369 | 10.333 | 10.317 |
| Average | 10.455 | 10.451 | 10.397 | 10.363 | 10.479 | 10.389 | 10.473 | 10.460 | 10.453 | 10.428 | 10.418 |
| Max | 10.604 | 10.528 | 10.492 | 10.403 | 10.601 | 10.478 | 10.578 | 10.515 | 10.581 | 10.541 | 10.548 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

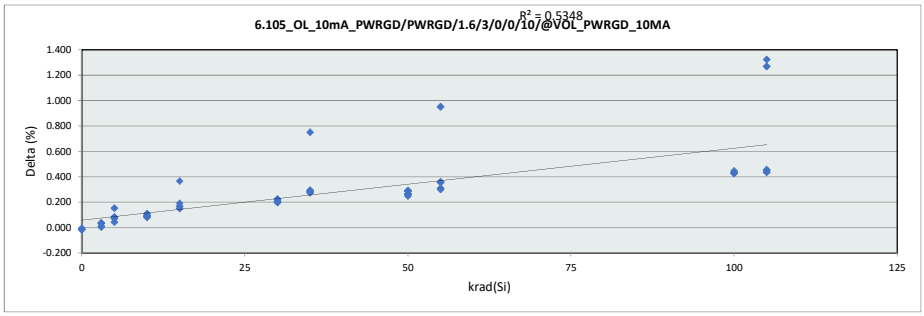


# TID HDR Report
# TPS7H3014-SP

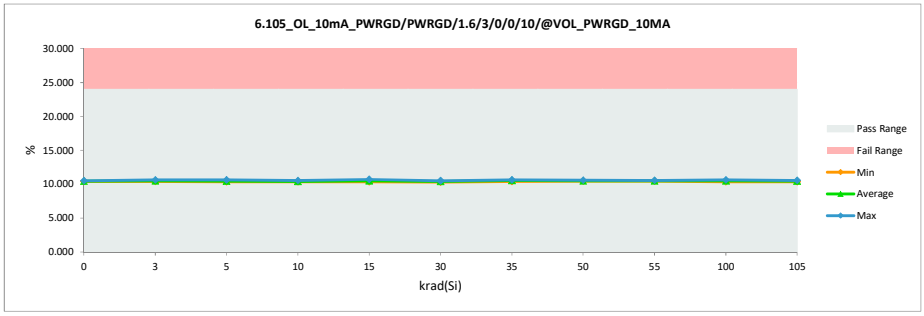
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.105_OL_10mA_PWRGD/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 10.524 | 10.507 | -0.017 |
| 0 | 14 | 10.537 | 10.522 | -0.015 |
| 0 | 15 | 10.422 | 10.417 | -0.005 |
| 3 | 20 | 10.627 | 10.631 | 0.004 |
| 3 | 21 | 10.458 | 10.471 | 0.013 |
| 3 | 22 | 10.392 | 10.428 | 0.036 |
| 3 | 23 | 10.454 | 10.487 | 0.033 |
| 3 | 24 | 10.519 | 10.554 | 0.035 |
| 5 | 25 | 10.342 | 10.383 | 0.041 |
| 5 | 26 | 10.303 | 10.375 | 0.072 |
| 5 | 27 | 10.484 | 10.636 | 0.152 |
| 5 | 28 | 10.299 | 10.383 | 0.084 |
| 5 | 29 | 10.320 | 10.401 | 0.081 |
| 10 | 30 | 10.289 | 10.385 | 0.096 |
| 10 | 31 | 10.287 | 10.366 | 0.079 |
| 10 | 32 | 10.351 | 10.434 | 0.083 |
| 10 | 33 | 10.447 | 10.537 | 0.090 |
| 10 | 34 | 10.288 | 10.398 | 0.110 |
| 15 | 35 | 10.399 | 10.548 | 0.149 |
| 15 | 36 | 10.171 | 10.536 | 0.365 |
| 15 | 37 | 10.521 | 10.712 | 0.191 |
| 15 | 38 | 10.306 | 10.472 | 0.166 |
| 15 | 39 | 10.210 | 10.379 | 0.169 |
| 30 | 40 | 10.284 | 10.510 | 0.226 |
| 30 | 41 | 10.279 | 10.496 | 0.217 |
| 30 | 42 | 10.114 | 10.312 | 0.198 |
| 30 | 43 | 10.161 | 10.361 | 0.200 |
| 30 | 44 | 10.247 | 10.453 | 0.206 |
| 35 | 45 | 10.294 | 10.587 | 0.293 |
| 35 | 46 | 9.898 | 10.648 | 0.750 |
| 35 | 47 | 10.208 | 10.482 | 0.274 |
| 35 | 48 | 10.146 | 10.427 | 0.281 |
| 35 | 49 | 10.288 | 10.573 | 0.285 |
| 50 | 50 | 10.233 | 10.481 | 0.248 |
| 50 | 51 | 10.207 | 10.470 | 0.263 |
| 50 | 52 | 10.327 | 10.591 | 0.264 |
| 50 | 53 | 10.212 | 10.497 | 0.285 |
| 50 | 54 | 10.146 | 10.436 | 0.290 |
| 55 | 55 | 10.197 | 10.506 | 0.309 |
| 55 | 56 | 9.618 | 10.568 | 0.950 |
| 55 | 57 | 10.150 | 10.450 | 0.300 |
| 55 | 58 | 10.143 | 10.502 | 0.359 |
| 55 | 59 | 10.152 | 10.506 | 0.354 |
| 100 | 60 | 9.926 | 10.355 | 0.429 |
| 100 | 61 | 9.981 | 10.426 | 0.445 |
| 100 | 62 | 10.174 | 10.599 | 0.425 |
| 100 | 63 | 10.012 | 10.440 | 0.428 |
| 100 | 64 | 10.219 | 10.650 | 0.431 |
| 105 | 65 | 9.980 | 10.415 | 0.435 |
| 105 | 66 | 9.967 | 10.415 | 0.448 |
| 105 | 67 | 9.253 | 10.575 | 1.322 |
| 105 | 68 | 9.099 | 10.367 | 1.268 |
| 105 | 69 | 10.080 | 10.536 | 0.456 |
| | Max | 10.627 | 10.712 | 1.322 |
| | Average | 10.207 | 10.483 | 0.276 |
| | Min | 9.099 | 10.312 | -0.017 |
| | Std Dev | 0.277 | 0.090 | 0.277 |




| | 6.105_OL_10mA_PWRGD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 10.417 | 10.428 | 10.375 | 10.366 | 10.379 | 10.312 | 10.427 | 10.436 | 10.450 | 10.355 | 10.367 |
| Average | 10.482 | 10.514 | 10.436 | 10.424 | 10.529 | 10.426 | 10.543 | 10.495 | 10.506 | 10.494 | 10.462 |
| Max | 10.522 | 10.631 | 10.636 | 10.537 | 10.712 | 10.510 | 10.648 | 10.591 | 10.568 | 10.650 | 10.575 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

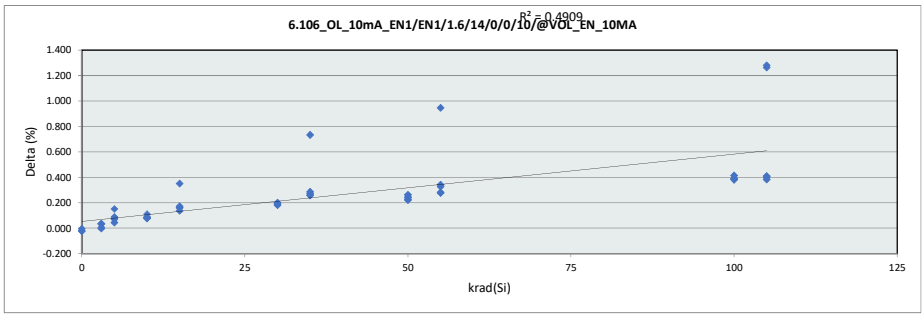


# TID HDR Report
# TPS7H3014-SP

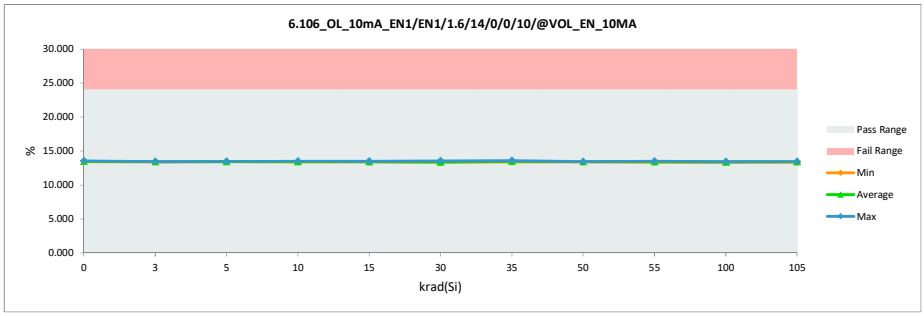
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.106_OL_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 13.580 | 13.556 | -0.024 |
| 0 | 14 | 13.504 | 13.481 | -0.023 |
| 0 | 15 | 13.460 | 13.454 | -0.006 |
| 3 | 20 | 13.393 | 13.388 | -0.005 |
| 3 | 21 | 13.447 | 13.453 | 0.006 |
| 3 | 22 | 13.351 | 13.384 | 0.033 |
| 3 | 23 | 13.407 | 13.437 | 0.030 |
| 3 | 24 | 13.352 | 13.387 | 0.035 |
| 5 | 25 | 13.394 | 13.436 | 0.042 |
| 5 | 26 | 13.408 | 13.478 | 0.070 |
| 5 | 27 | 13.283 | 13.432 | 0.149 |
| 5 | 28 | 13.351 | 13.428 | 0.077 |
| 5 | 29 | 13.341 | 13.428 | 0.087 |
| 10 | 30 | 13.435 | 13.521 | 0.086 |
| 10 | 31 | 13.299 | 13.374 | 0.075 |
| 10 | 32 | 13.292 | 13.368 | 0.076 |
| 10 | 33 | 13.397 | 13.481 | 0.084 |
| 10 | 34 | 13.298 | 13.407 | 0.109 |
| 15 | 35 | 13.315 | 13.450 | 0.135 |
| 15 | 36 | 13.064 | 13.414 | 0.350 |
| 15 | 37 | 13.216 | 13.387 | 0.171 |
| 15 | 38 | 13.207 | 13.366 | 0.159 |
| 15 | 39 | 13.335 | 13.495 | 0.160 |
| 30 | 40 | 13.166 | 13.363 | 0.197 |
| 30 | 41 | 13.134 | 13.333 | 0.199 |
| 30 | 42 | 13.184 | 13.365 | 0.181 |
| 30 | 43 | 13.181 | 13.361 | 0.180 |
| 30 | 44 | 13.344 | 13.538 | 0.194 |
| 35 | 45 | 13.199 | 13.484 | 0.285 |
| 35 | 46 | 12.708 | 13.440 | 0.732 |
| 35 | 47 | 13.160 | 13.418 | 0.258 |
| 35 | 48 | 13.310 | 13.579 | 0.269 |
| 35 | 49 | 13.131 | 13.387 | 0.256 |
| 50 | 50 | 13.156 | 13.379 | 0.223 |
| 50 | 51 | 13.166 | 13.405 | 0.239 |
| 50 | 52 | 13.223 | 13.443 | 0.220 |
| 50 | 53 | 13.193 | 13.436 | 0.243 |
| 50 | 54 | 13.149 | 13.410 | 0.261 |
| 55 | 55 | 13.112 | 13.393 | 0.281 |
| 55 | 56 | 12.541 | 13.486 | 0.945 |
| 55 | 57 | 13.057 | 13.332 | 0.275 |
| 55 | 58 | 13.172 | 13.511 | 0.339 |
| 55 | 59 | 13.112 | 13.437 | 0.325 |
| 100 | 60 | 13.032 | 13.417 | 0.385 |
| 100 | 61 | 12.978 | 13.391 | 0.413 |
| 100 | 62 | 13.044 | 13.422 | 0.378 |
| 100 | 63 | 12.940 | 13.327 | 0.387 |
| 100 | 64 | 13.055 | 13.445 | 0.390 |
| 105 | 65 | 12.940 | 13.323 | 0.383 |
| 105 | 66 | 13.069 | 13.478 | 0.409 |
| 105 | 67 | 12.143 | 13.422 | 1.279 |
| 105 | 68 | 12.216 | 13.478 | 1.262 |
| 105 | 69 | 13.019 | 13.421 | 0.402 |
| | Max | 13.580 | 13.579 | 1.279 |
| | Average | 13.169 | 13.427 | 0.258 |
| | Min | 12.143 | 13.323 | -0.024 |
| | Std Dev | 0.274 | 0.057 | 0.270 |




| | 6.106_OL_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 13.454 | 13.384 | 13.428 | 13.368 | 13.366 | 13.333 | 13.387 | 13.379 | 13.332 | 13.327 | 13.323 |
| Average | 13.497 | 13.410 | 13.440 | 13.430 | 13.422 | 13.392 | 13.462 | 13.415 | 13.432 | 13.400 | 13.424 |
| Max | 13.556 | 13.453 | 13.478 | 13.521 | 13.495 | 13.538 | 13.579 | 13.443 | 13.511 | 13.445 | 13.478 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

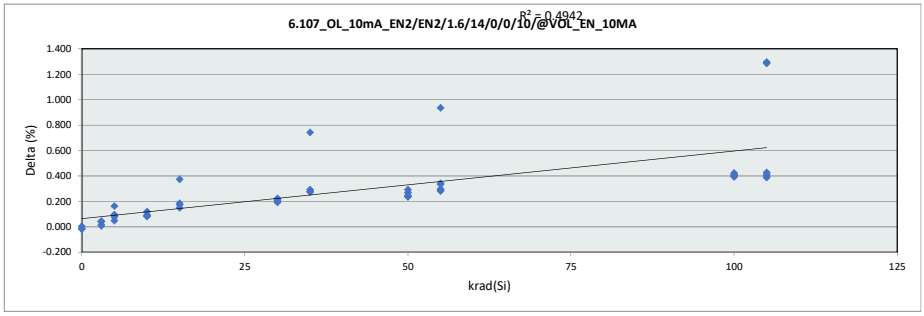


# TID HDR Report
# TPS7H3014-SP

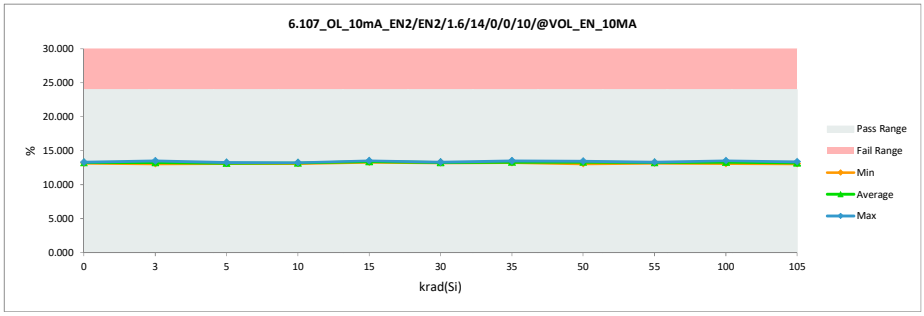
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.107_OL_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 13.297 | 13.279 | -0.018 |
| 0 | 14 | 13.316 | 13.301 | -0.015 |
| 0 | 15 | 13.177 | 13.180 | 0.003 |
| 3 | 20 | 13.474 | 13.479 | 0.005 |
| 3 | 21 | 13.244 | 13.260 | 0.016 |
| 3 | 22 | 13.021 | 13.061 | 0.040 |
| 3 | 23 | 13.137 | 13.178 | 0.041 |
| 3 | 24 | 13.365 | 13.409 | 0.044 |
| 5 | 25 | 13.107 | 13.155 | 0.048 |
| 5 | 26 | 13.094 | 13.171 | 0.077 |
| 5 | 27 | 13.096 | 13.257 | 0.161 |
| 5 | 28 | 13.022 | 13.113 | 0.091 |
| 5 | 29 | 13.096 | 13.191 | 0.095 |
| 10 | 30 | 13.099 | 13.191 | 0.092 |
| 10 | 31 | 13.112 | 13.192 | 0.080 |
| 10 | 32 | 13.152 | 13.236 | 0.084 |
| 10 | 33 | 13.041 | 13.130 | 0.089 |
| 10 | 34 | 13.072 | 13.190 | 0.118 |
| 15 | 35 | 13.278 | 13.426 | 0.148 |
| 15 | 36 | 13.014 | 13.386 | 0.372 |
| 15 | 37 | 13.330 | 13.515 | 0.185 |
| 15 | 38 | 13.157 | 13.331 | 0.174 |
| 15 | 39 | 13.144 | 13.318 | 0.174 |
| 30 | 40 | 13.018 | 13.235 | 0.217 |
| 30 | 41 | 13.082 | 13.303 | 0.221 |
| 30 | 42 | 13.017 | 13.208 | 0.191 |
| 30 | 43 | 13.111 | 13.311 | 0.200 |
| 30 | 44 | 13.101 | 13.309 | 0.208 |
| 35 | 45 | 12.944 | 13.235 | 0.291 |
| 35 | 46 | 12.581 | 13.322 | 0.741 |
| 35 | 47 | 13.041 | 13.317 | 0.276 |
| 35 | 48 | 12.970 | 13.242 | 0.272 |
| 35 | 49 | 13.212 | 13.489 | 0.277 |
| 50 | 50 | 13.090 | 13.327 | 0.237 |
| 50 | 51 | 12.831 | 13.073 | 0.242 |
| 50 | 52 | 13.173 | 13.408 | 0.235 |
| 50 | 53 | 13.059 | 13.326 | 0.267 |
| 50 | 54 | 13.153 | 13.444 | 0.291 |
| 55 | 55 | 13.023 | 13.318 | 0.295 |
| 55 | 56 | 12.276 | 13.210 | 0.934 |
| 55 | 57 | 12.890 | 13.172 | 0.282 |
| 55 | 58 | 12.897 | 13.237 | 0.340 |
| 55 | 59 | 12.911 | 13.244 | 0.333 |
| 100 | 60 | 12.738 | 13.134 | 0.396 |
| 100 | 61 | 12.853 | 13.275 | 0.422 |
| 100 | 62 | 13.101 | 13.504 | 0.403 |
| 100 | 63 | 12.708 | 13.099 | 0.391 |
| 100 | 64 | 13.081 | 13.491 | 0.410 |
| 105 | 65 | 12.694 | 13.082 | 0.388 |
| 105 | 66 | 12.944 | 13.370 | 0.426 |
| 105 | 67 | 11.890 | 13.173 | 1.283 |
| 105 | 68 | 12.009 | 13.302 | 1.293 |
| 105 | 69 | 12.767 | 13.172 | 0.405 |
| | Max | 13.474 | 13.515 | 1.293 |
| | Average | 13.000 | 13.269 | 0.269 |
| | Min | 11.890 | 13.061 | -0.018 |
| | Std Dev | 0.292 | 0.117 | 0.271 |




| | 6.107_OL_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 13.180 | 13.061 | 13.113 | 13.130 | 13.318 | 13.208 | 13.235 | 13.073 | 13.172 | 13.099 | 13.082 |
| Average | 13.253 | 13.277 | 13.177 | 13.188 | 13.395 | 13.273 | 13.321 | 13.316 | 13.236 | 13.301 | 13.220 |
| Max | 13.301 | 13.479 | 13.257 | 13.236 | 13.515 | 13.311 | 13.489 | 13.444 | 13.318 | 13.504 | 13.370 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

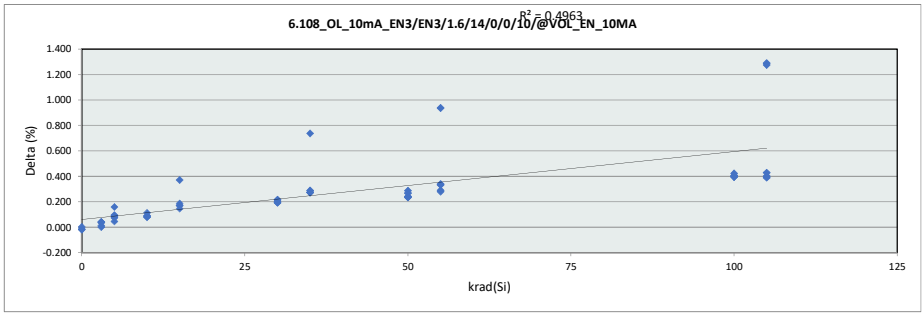


# TID HDR Report
# TPS7H3014-SP

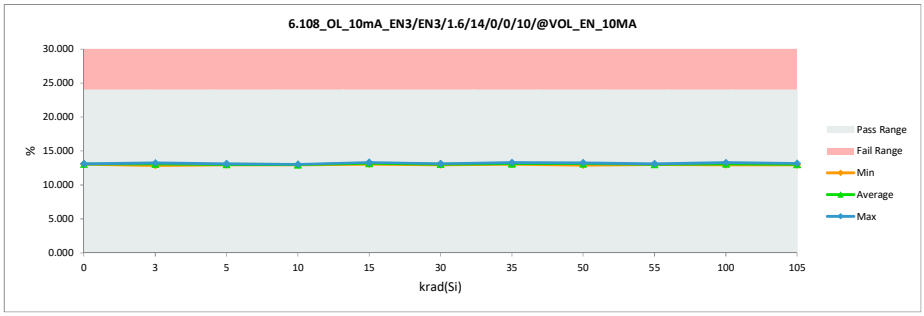
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.108_OL_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 13.096 | 13.077 | -0.019 |
| 0 | 14 | 13.137 | 13.122 | -0.015 |
| 0 | 15 | 13.090 | 13.091 | 0.001 |
| 3 | 20 | 13.246 | 13.246 | 0.000 |
| 3 | 21 | 13.061 | 13.073 | 0.012 |
| 3 | 22 | 12.842 | 12.882 | 0.040 |
| 3 | 23 | 13.029 | 13.063 | 0.034 |
| 3 | 24 | 13.181 | 13.220 | 0.039 |
| 5 | 25 | 12.982 | 13.026 | 0.044 |
| 5 | 26 | 12.899 | 12.973 | 0.074 |
| 5 | 27 | 12.881 | 13.039 | 0.158 |
| 5 | 28 | 12.892 | 12.978 | 0.086 |
| 5 | 29 | 13.012 | 13.106 | 0.094 |
| 10 | 30 | 12.923 | 13.014 | 0.091 |
| 10 | 31 | 12.958 | 13.035 | 0.077 |
| 10 | 32 | 12.905 | 12.985 | 0.080 |
| 10 | 33 | 12.890 | 12.977 | 0.087 |
| 10 | 34 | 12.841 | 12.953 | 0.112 |
| 15 | 35 | 13.068 | 13.213 | 0.145 |
| 15 | 36 | 12.802 | 13.172 | 0.370 |
| 15 | 37 | 13.133 | 13.319 | 0.186 |
| 15 | 38 | 12.912 | 13.080 | 0.168 |
| 15 | 39 | 12.978 | 13.149 | 0.171 |
| 30 | 40 | 12.859 | 13.074 | 0.215 |
| 30 | 41 | 12.896 | 13.112 | 0.216 |
| 30 | 42 | 12.785 | 12.976 | 0.191 |
| 30 | 43 | 12.875 | 13.068 | 0.193 |
| 30 | 44 | 12.947 | 13.150 | 0.203 |
| 35 | 45 | 12.765 | 13.053 | 0.288 |
| 35 | 46 | 12.388 | 13.125 | 0.737 |
| 35 | 47 | 12.840 | 13.112 | 0.272 |
| 35 | 48 | 12.809 | 13.083 | 0.274 |
| 35 | 49 | 13.025 | 13.297 | 0.272 |
| 50 | 50 | 12.874 | 13.111 | 0.237 |
| 50 | 51 | 12.689 | 12.930 | 0.241 |
| 50 | 52 | 12.976 | 13.209 | 0.233 |
| 50 | 53 | 12.880 | 13.147 | 0.267 |
| 50 | 54 | 12.985 | 13.272 | 0.287 |
| 55 | 55 | 12.818 | 13.107 | 0.289 |
| 55 | 56 | 12.115 | 13.052 | 0.937 |
| 55 | 57 | 12.731 | 13.010 | 0.279 |
| 55 | 58 | 12.708 | 13.045 | 0.337 |
| 55 | 59 | 12.720 | 13.051 | 0.331 |
| 100 | 60 | 12.573 | 12.967 | 0.394 |
| 100 | 61 | 12.668 | 13.090 | 0.422 |
| 100 | 62 | 12.866 | 13.266 | 0.400 |
| 100 | 63 | 12.621 | 13.015 | 0.394 |
| 100 | 64 | 12.873 | 13.278 | 0.405 |
| 105 | 65 | 12.559 | 12.947 | 0.388 |
| 105 | 66 | 12.767 | 13.195 | 0.428 |
| 105 | 67 | 11.745 | 13.034 | 1.289 |
| 105 | 68 | 11.750 | 13.024 | 1.274 |
| 105 | 69 | 12.567 | 12.967 | 0.400 |
| | Max | 13.246 | 13.319 | 1.289 |
| | Average | 12.819 | 13.086 | 0.267 |
| | Min | 11.745 | 12.882 | -0.019 |
| | Std Dev | 0.291 | 0.102 | 0.271 |




| | 6.108_OL_10mA_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 13.077 | 12.882 | 12.973 | 12.953 | 13.080 | 12.976 | 13.053 | 12.930 | 13.010 | 12.967 | 12.947 |
| Average | 13.097 | 13.097 | 13.024 | 12.993 | 13.187 | 13.076 | 13.134 | 13.134 | 13.053 | 13.123 | 13.033 |
| Max | 13.122 | 13.246 | 13.106 | 13.035 | 13.319 | 13.150 | 13.297 | 13.272 | 13.107 | 13.278 | 13.195 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

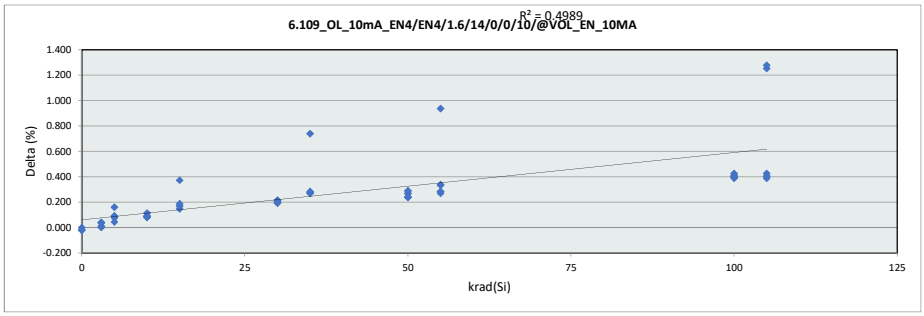


# TID HDR Report
# TPS7H3014-SP

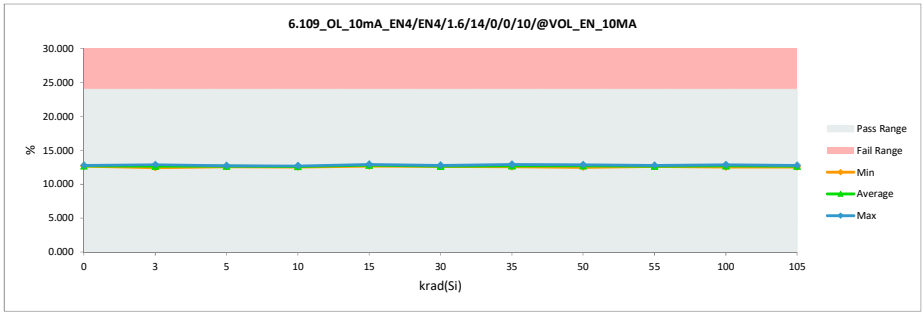
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.109_OL_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.682 | 12.659 | -0.023 |
| 0 | 14 | 12.791 | 12.773 | -0.018 |
| 0 | 15 | 12.688 | 12.687 | -0.001 |
| 3 | 20 | 12.872 | 12.872 | 0.000 |
| 3 | 21 | 12.641 | 12.652 | 0.011 |
| 3 | 22 | 12.411 | 12.449 | 0.038 |
| 3 | 23 | 12.624 | 12.658 | 0.034 |
| 3 | 24 | 12.773 | 12.812 | 0.039 |
| 5 | 25 | 12.638 | 12.680 | 0.042 |
| 5 | 26 | 12.565 | 12.640 | 0.075 |
| 5 | 27 | 12.463 | 12.621 | 0.158 |
| 5 | 28 | 12.501 | 12.587 | 0.086 |
| 5 | 29 | 12.636 | 12.727 | 0.091 |
| 10 | 30 | 12.539 | 12.630 | 0.091 |
| 10 | 31 | 12.622 | 12.700 | 0.078 |
| 10 | 32 | 12.470 | 12.550 | 0.080 |
| 10 | 33 | 12.501 | 12.588 | 0.087 |
| 10 | 34 | 12.439 | 12.552 | 0.113 |
| 15 | 35 | 12.640 | 12.785 | 0.145 |
| 15 | 36 | 12.533 | 12.904 | 0.371 |
| 15 | 37 | 12.738 | 12.924 | 0.186 |
| 15 | 38 | 12.524 | 12.690 | 0.166 |
| 15 | 39 | 12.529 | 12.700 | 0.171 |
| 30 | 40 | 12.431 | 12.643 | 0.212 |
| 30 | 41 | 12.490 | 12.704 | 0.214 |
| 30 | 42 | 12.475 | 12.667 | 0.192 |
| 30 | 43 | 12.497 | 12.690 | 0.193 |
| 30 | 44 | 12.572 | 12.776 | 0.204 |
| 35 | 45 | 12.291 | 12.574 | 0.283 |
| 35 | 46 | 12.044 | 12.782 | 0.738 |
| 35 | 47 | 12.411 | 12.680 | 0.269 |
| 35 | 48 | 12.418 | 12.689 | 0.271 |
| 35 | 49 | 12.627 | 12.901 | 0.274 |
| 50 | 50 | 12.497 | 12.735 | 0.238 |
| 50 | 51 | 12.258 | 12.496 | 0.238 |
| 50 | 52 | 12.606 | 12.842 | 0.236 |
| 50 | 53 | 12.466 | 12.733 | 0.267 |
| 50 | 54 | 12.569 | 12.856 | 0.287 |
| 55 | 55 | 12.508 | 12.790 | 0.282 |
| 55 | 56 | 11.700 | 12.635 | 0.935 |
| 55 | 57 | 12.360 | 12.629 | 0.269 |
| 55 | 58 | 12.347 | 12.684 | 0.337 |
| 55 | 59 | 12.309 | 12.640 | 0.331 |
| 100 | 60 | 12.173 | 12.569 | 0.396 |
| 100 | 61 | 12.322 | 12.745 | 0.423 |
| 100 | 62 | 12.461 | 12.861 | 0.400 |
| 100 | 63 | 12.124 | 12.512 | 0.388 |
| 100 | 64 | 12.458 | 12.865 | 0.407 |
| 105 | 65 | 12.160 | 12.547 | 0.387 |
| 105 | 66 | 12.364 | 12.788 | 0.424 |
| 105 | 67 | 11.386 | 12.662 | 1.276 |
| 105 | 68 | 11.398 | 12.649 | 1.251 |
| 105 | 69 | 12.241 | 12.645 | 0.404 |
| | Max | 12.872 | 12.924 | 1.276 |
| | Average | 12.430 | 12.695 | 0.265 |
| | Min | 11.386 | 12.449 | -0.023 |
| | Std Dev | 0.288 | 0.110 | 0.268 |




| | 6.109_OL_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 12.659 | 12.449 | 12.587 | 12.550 | 12.690 | 12.643 | 12.574 | 12.496 | 12.629 | 12.512 | 12.547 |
| Average | 12.706 | 12.689 | 12.651 | 12.604 | 12.801 | 12.696 | 12.725 | 12.732 | 12.676 | 12.710 | 12.658 |
| Max | 12.773 | 12.872 | 12.727 | 12.700 | 12.924 | 12.776 | 12.901 | 12.856 | 12.790 | 12.865 | 12.788 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

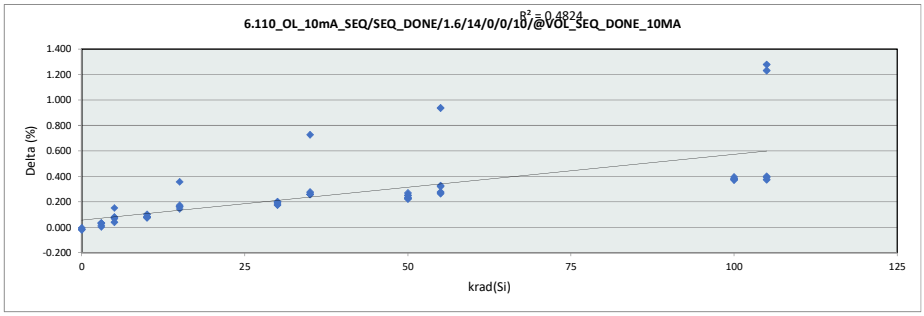


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

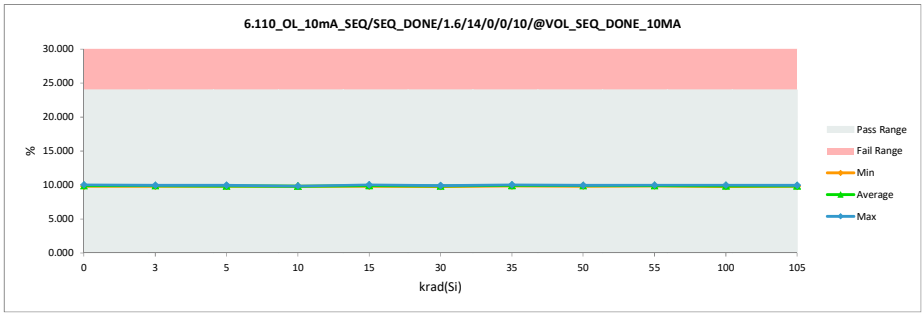
| | 6.110_OL_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 9.903 | 9.883 | -0.020 |
| 0 | 14 | 10.046 | 10.025 | -0.021 |
| 0 | 15 | 9.813 | 9.806 | -0.007 |
| 3 | 20 | 9.940 | 9.941 | 0.001 |
| 3 | 21 | 9.884 | 9.896 | 0.012 |
| 3 | 22 | 9.769 | 9.800 | 0.031 |
| 3 | 23 | 9.835 | 9.862 | 0.027 |
| 3 | 24 | 9.909 | 9.941 | 0.032 |
| 5 | 25 | 9.776 | 9.813 | 0.037 |
| 5 | 26 | 9.754 | 9.821 | 0.067 |
| 5 | 27 | 9.790 | 9.940 | 0.150 |
| 5 | 28 | 9.765 | 9.841 | 0.076 |
| 5 | 29 | 9.761 | 9.841 | 0.080 |
| 10 | 30 | 9.730 | 9.813 | 0.083 |
| 10 | 31 | 9.773 | 9.846 | 0.073 |
| 10 | 32 | 9.735 | 9.810 | 0.075 |
| 10 | 33 | 9.766 | 9.843 | 0.077 |
| 10 | 34 | 9.713 | 9.814 | 0.101 |
| 15 | 35 | 9.767 | 9.909 | 0.142 |
| 15 | 36 | 9.662 | 10.018 | 0.356 |
| 15 | 37 | 9.853 | 10.025 | 0.172 |
| 15 | 38 | 9.667 | 9.826 | 0.159 |
| 15 | 39 | 9.698 | 9.861 | 0.163 |
| 30 | 40 | 9.680 | 9.880 | 0.200 |
| 30 | 41 | 9.700 | 9.899 | 0.199 |
| 30 | 42 | 9.603 | 9.778 | 0.175 |
| 30 | 43 | 9.616 | 9.788 | 0.172 |
| 30 | 44 | 9.703 | 9.893 | 0.190 |
| 35 | 45 | 9.663 | 9.938 | 0.275 |
| 35 | 46 | 9.303 | 10.028 | 0.725 |
| 35 | 47 | 9.596 | 9.853 | 0.257 |
| 35 | 48 | 9.647 | 9.906 | 0.259 |
| 35 | 49 | 9.669 | 9.925 | 0.256 |
| 50 | 50 | 9.665 | 9.891 | 0.226 |
| 50 | 51 | 9.583 | 9.816 | 0.233 |
| 50 | 52 | 9.727 | 9.948 | 0.221 |
| 50 | 53 | 9.710 | 9.959 | 0.249 |
| 50 | 54 | 9.638 | 9.906 | 0.268 |
| 55 | 55 | 9.619 | 9.893 | 0.274 |
| 55 | 56 | 9.042 | 9.978 | 0.936 |
| 55 | 57 | 9.582 | 9.845 | 0.263 |
| 55 | 58 | 9.570 | 9.895 | 0.325 |
| 55 | 59 | 9.556 | 9.875 | 0.319 |
| 100 | 60 | 9.410 | 9.786 | 0.376 |
| 100 | 61 | 9.464 | 9.858 | 0.394 |
| 100 | 62 | 9.584 | 9.962 | 0.378 |
| 100 | 63 | 9.419 | 9.789 | 0.370 |
| 100 | 64 | 9.606 | 9.985 | 0.379 |
| 105 | 65 | 9.420 | 9.792 | 0.372 |
| 105 | 66 | 9.478 | 9.877 | 0.399 |
| 105 | 67 | 8.671 | 9.949 | 1.278 |
| 105 | 68 | 8.580 | 9.810 | 1.230 |
| 105 | 69 | 9.550 | 9.941 | 0.391 |
| | Max | 10.046 | 10.028 | 1.278 |
| | Average | 9.629 | 9.883 | 0.254 |
| | Min | 8.580 | 9.778 | -0.021 |
| | Std Dev | 0.261 | 0.069 | 0.267 |




| | 6.110_OL_10mA_SEQ/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 24 | % |
| Min Limit | 0 | % |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 9.806 | 9.800 | 9.813 | 9.810 | 9.826 | 9.778 | 9.853 | 9.816 | 9.845 | 9.786 | 9.792 |
| Average | 9.905 | 9.888 | 9.851 | 9.825 | 9.928 | 9.848 | 9.930 | 9.904 | 9.897 | 9.876 | 9.874 |
| Max | 10.025 | 9.941 | 9.940 | 9.846 | 10.025 | 9.899 | 10.028 | 9.959 | 9.978 | 9.985 | 9.949 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

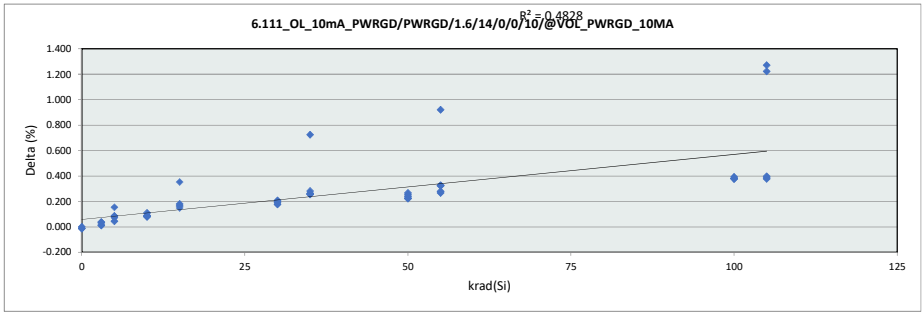


# TID HDR Report
# TPS7H3014-SP

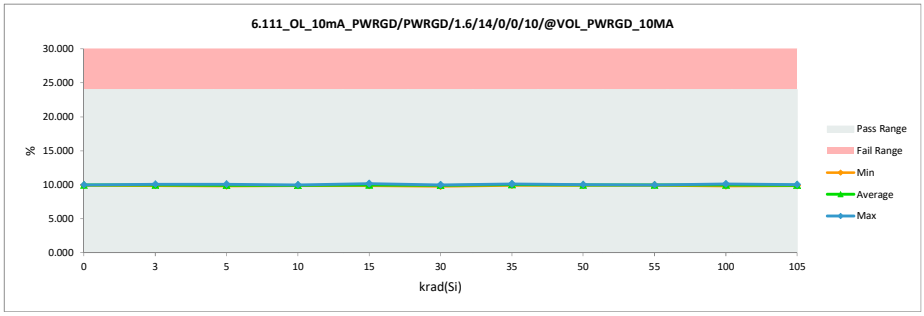
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.111_OL_10mA_PWRGD/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 9.970 | 9.955 | -0.015 |
| 0 | 14 | 9.972 | 9.960 | -0.012 |
| 0 | 15 | 9.886 | 9.886 | 0.000 |
| 3 | 20 | 10.056 | 10.065 | 0.009 |
| 3 | 21 | 9.917 | 9.930 | 0.013 |
| 3 | 22 | 9.825 | 9.861 | 0.036 |
| 3 | 23 | 9.891 | 9.921 | 0.030 |
| 3 | 24 | 9.937 | 9.973 | 0.036 |
| 5 | 25 | 9.796 | 9.839 | 0.043 |
| 5 | 26 | 9.759 | 9.831 | 0.072 |
| 5 | 27 | 9.918 | 10.071 | 0.153 |
| 5 | 28 | 9.782 | 9.867 | 0.085 |
| 5 | 29 | 9.767 | 9.852 | 0.085 |
| 10 | 30 | 9.763 | 9.852 | 0.089 |
| 10 | 31 | 9.762 | 9.839 | 0.077 |
| 10 | 32 | 9.819 | 9.899 | 0.080 |
| 10 | 33 | 9.883 | 9.966 | 0.083 |
| 10 | 34 | 9.756 | 9.864 | 0.108 |
| 15 | 35 | 9.844 | 9.991 | 0.147 |
| 15 | 36 | 9.619 | 9.970 | 0.351 |
| 15 | 37 | 9.957 | 10.136 | 0.179 |
| 15 | 38 | 9.764 | 9.924 | 0.160 |
| 15 | 39 | 9.709 | 9.876 | 0.167 |
| 30 | 40 | 9.765 | 9.971 | 0.206 |
| 30 | 41 | 9.722 | 9.921 | 0.199 |
| 30 | 42 | 9.602 | 9.777 | 0.175 |
| 30 | 43 | 9.654 | 9.831 | 0.177 |
| 30 | 44 | 9.730 | 9.922 | 0.192 |
| 35 | 45 | 9.740 | 10.021 | 0.281 |
| 35 | 46 | 9.372 | 10.095 | 0.723 |
| 35 | 47 | 9.684 | 9.937 | 0.253 |
| 35 | 48 | 9.663 | 9.920 | 0.257 |
| 35 | 49 | 9.753 | 10.016 | 0.263 |
| 50 | 50 | 9.701 | 9.922 | 0.221 |
| 50 | 51 | 9.676 | 9.913 | 0.237 |
| 50 | 52 | 9.801 | 10.025 | 0.224 |
| 50 | 53 | 9.711 | 9.961 | 0.250 |
| 50 | 54 | 9.628 | 9.893 | 0.265 |
| 55 | 55 | 9.674 | 9.951 | 0.277 |
| 55 | 56 | 9.057 | 9.976 | 0.919 |
| 55 | 57 | 9.653 | 9.918 | 0.265 |
| 55 | 58 | 9.615 | 9.940 | 0.325 |
| 55 | 59 | 9.638 | 9.960 | 0.322 |
| 100 | 60 | 9.433 | 9.811 | 0.378 |
| 100 | 61 | 9.477 | 9.869 | 0.392 |
| 100 | 62 | 9.679 | 10.057 | 0.378 |
| 100 | 63 | 9.506 | 9.884 | 0.378 |
| 100 | 64 | 9.710 | 10.092 | 0.382 |
| 105 | 65 | 9.481 | 9.857 | 0.376 |
| 105 | 66 | 9.527 | 9.923 | 0.396 |
| 105 | 67 | 8.745 | 10.015 | 1.270 |
| 105 | 68 | 8.638 | 9.859 | 1.221 |
| 105 | 69 | 9.551 | 9.935 | 0.384 |
| | Max | 10.056 | 10.136 | 1.270 |
| | Average | 9.678 | 9.934 | 0.256 |
| | Min | 8.638 | 9.777 | -0.015 |
| | Std Dev | 0.261 | 0.079 | 0.263 |




| | 6.111_OL_10mA_PWRGD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 9.886 | 9.861 | 9.831 | 9.839 | 9.876 | 9.777 | 9.920 | 9.893 | 9.918 | 9.811 | 9.857 |
| Average | 9.934 | 9.950 | 9.892 | 9.884 | 9.979 | 9.884 | 9.998 | 9.943 | 9.949 | 9.943 | 9.918 |
| Max | 9.960 | 10.065 | 10.071 | 9.966 | 10.136 | 9.971 | 10.095 | 10.025 | 9.976 | 10.092 | 10.015 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

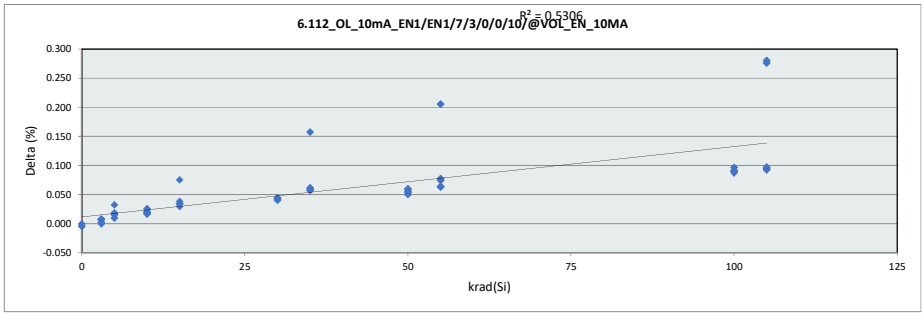


# TID HDR Report
# TPS7H3014-SP

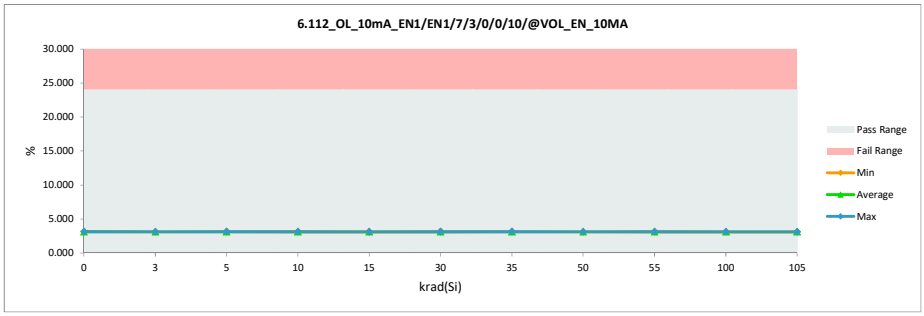
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.112_OL_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.140 | 3.135 | -0.005 |
| 0 | 14 | 3.122 | 3.117 | -0.005 |
| 0 | 15 | 3.113 | 3.112 | -0.001 |
| 3 | 20 | 3.096 | 3.095 | -0.001 |
| 3 | 21 | 3.107 | 3.109 | 0.002 |
| 3 | 22 | 3.094 | 3.101 | 0.007 |
| 3 | 23 | 3.104 | 3.111 | 0.007 |
| 3 | 24 | 3.092 | 3.099 | 0.007 |
| 5 | 25 | 3.099 | 3.108 | 0.009 |
| 5 | 26 | 3.106 | 3.121 | 0.015 |
| 5 | 27 | 3.066 | 3.098 | 0.032 |
| 5 | 28 | 3.087 | 3.103 | 0.016 |
| 5 | 29 | 3.092 | 3.110 | 0.018 |
| 10 | 30 | 3.107 | 3.128 | 0.021 |
| 10 | 31 | 3.071 | 3.088 | 0.017 |
| 10 | 32 | 3.069 | 3.085 | 0.016 |
| 10 | 33 | 3.101 | 3.120 | 0.019 |
| 10 | 34 | 3.072 | 3.097 | 0.025 |
| 15 | 35 | 3.081 | 3.110 | 0.029 |
| 15 | 36 | 3.027 | 3.102 | 0.075 |
| 15 | 37 | 3.057 | 3.095 | 0.038 |
| 15 | 38 | 3.054 | 3.088 | 0.034 |
| 15 | 39 | 3.082 | 3.116 | 0.034 |
| 30 | 40 | 3.044 | 3.088 | 0.044 |
| 30 | 41 | 3.046 | 3.090 | 0.044 |
| 30 | 42 | 3.050 | 3.091 | 0.041 |
| 30 | 43 | 3.046 | 3.086 | 0.040 |
| 30 | 44 | 3.086 | 3.128 | 0.042 |
| 35 | 45 | 3.056 | 3.117 | 0.061 |
| 35 | 46 | 2.946 | 3.103 | 0.157 |
| 35 | 47 | 3.042 | 3.099 | 0.057 |
| 35 | 48 | 3.075 | 3.135 | 0.060 |
| 35 | 49 | 3.038 | 3.095 | 0.057 |
| 50 | 50 | 3.046 | 3.096 | 0.050 |
| 50 | 51 | 3.047 | 3.101 | 0.054 |
| 50 | 52 | 3.056 | 3.110 | 0.054 |
| 50 | 53 | 3.051 | 3.109 | 0.058 |
| 50 | 54 | 3.044 | 3.103 | 0.059 |
| 55 | 55 | 3.035 | 3.098 | 0.063 |
| 55 | 56 | 2.918 | 3.123 | 0.205 |
| 55 | 57 | 3.017 | 3.080 | 0.063 |
| 55 | 58 | 3.051 | 3.128 | 0.077 |
| 55 | 59 | 3.033 | 3.107 | 0.074 |
| 100 | 60 | 3.017 | 3.108 | 0.091 |
| 100 | 61 | 3.002 | 3.098 | 0.096 |
| 100 | 62 | 3.014 | 3.101 | 0.087 |
| 100 | 63 | 2.994 | 3.084 | 0.090 |
| 100 | 64 | 3.018 | 3.108 | 0.090 |
| 105 | 65 | 2.995 | 3.087 | 0.092 |
| 105 | 66 | 3.012 | 3.107 | 0.095 |
| 105 | 67 | 2.824 | 3.104 | 0.280 |
| 105 | 68 | 2.836 | 3.112 | 0.276 |
| 105 | 69 | 3.016 | 3.113 | 0.097 |
| | Max | 3.140 | 3.135 | 0.280 |
| | Average | 3.047 | 3.105 | 0.058 |
| | Min | 2.824 | 3.080 | -0.005 |
| | Std Dev | 0.061 | 0.013 | 0.059 |




| | 6.112_OL_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.112 | 3.095 | 3.098 | 3.085 | 3.088 | 3.086 | 3.095 | 3.096 | 3.080 | 3.084 | 3.087 |
| Average | 3.121 | 3.103 | 3.108 | 3.104 | 3.102 | 3.097 | 3.110 | 3.104 | 3.107 | 3.100 | 3.105 |
| Max | 3.135 | 3.111 | 3.121 | 3.128 | 3.116 | 3.128 | 3.135 | 3.110 | 3.128 | 3.108 | 3.113 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

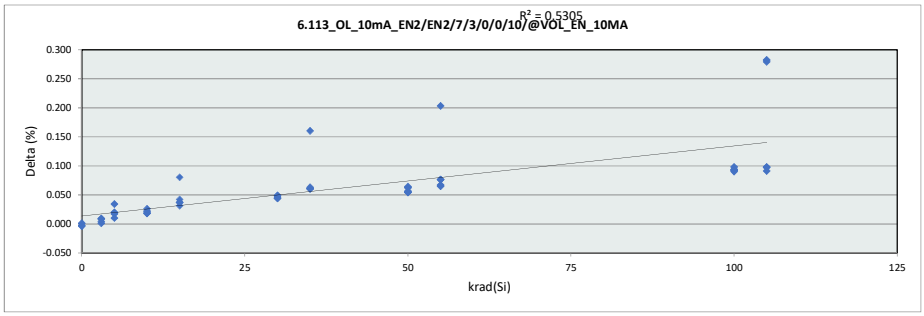


# TID HDR Report
# TPS7H3014-SP

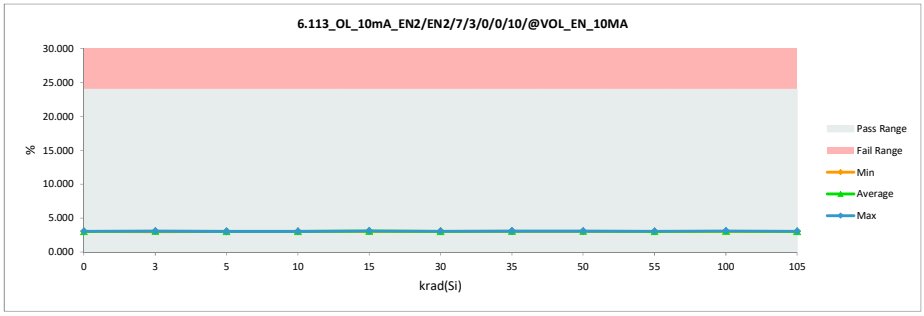
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.113_OL_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.072 | 3.068 | -0.004 |
| 0 | 14 | 3.078 | 3.075 | -0.003 |
| 0 | 15 | 3.041 | 3.042 | 0.001 |
| 3 | 20 | 3.115 | 3.116 | 0.001 |
| 3 | 21 | 3.058 | 3.062 | 0.004 |
| 3 | 22 | 3.013 | 3.021 | 0.008 |
| 3 | 23 | 3.037 | 3.046 | 0.009 |
| 3 | 24 | 3.096 | 3.105 | 0.009 |
| 5 | 25 | 3.032 | 3.042 | 0.010 |
| 5 | 26 | 3.030 | 3.047 | 0.017 |
| 5 | 27 | 3.025 | 3.059 | 0.034 |
| 5 | 28 | 3.004 | 3.023 | 0.019 |
| 5 | 29 | 3.032 | 3.052 | 0.020 |
| 10 | 30 | 3.026 | 3.048 | 0.022 |
| 10 | 31 | 3.028 | 3.046 | 0.018 |
| 10 | 32 | 3.037 | 3.055 | 0.018 |
| 10 | 33 | 3.016 | 3.036 | 0.020 |
| 10 | 34 | 3.019 | 3.045 | 0.026 |
| 15 | 35 | 3.071 | 3.102 | 0.031 |
| 15 | 36 | 3.015 | 3.095 | 0.080 |
| 15 | 37 | 3.084 | 3.126 | 0.042 |
| 15 | 38 | 3.040 | 3.077 | 0.037 |
| 15 | 39 | 3.032 | 3.069 | 0.037 |
| 30 | 40 | 3.004 | 3.052 | 0.048 |
| 30 | 41 | 3.029 | 3.078 | 0.049 |
| 30 | 42 | 3.007 | 3.051 | 0.044 |
| 30 | 43 | 3.023 | 3.069 | 0.046 |
| 30 | 44 | 3.024 | 3.068 | 0.044 |
| 35 | 45 | 2.996 | 3.059 | 0.063 |
| 35 | 46 | 2.915 | 3.075 | 0.160 |
| 35 | 47 | 3.014 | 3.075 | 0.061 |
| 35 | 48 | 2.990 | 3.050 | 0.060 |
| 35 | 49 | 3.057 | 3.118 | 0.061 |
| 50 | 50 | 3.029 | 3.083 | 0.054 |
| 50 | 51 | 2.969 | 3.023 | 0.054 |
| 50 | 52 | 3.045 | 3.101 | 0.056 |
| 50 | 53 | 3.015 | 3.077 | 0.062 |
| 50 | 54 | 3.041 | 3.105 | 0.064 |
| 55 | 55 | 3.011 | 3.078 | 0.067 |
| 55 | 56 | 2.858 | 3.061 | 0.203 |
| 55 | 57 | 2.974 | 3.039 | 0.065 |
| 55 | 58 | 2.985 | 3.061 | 0.076 |
| 55 | 59 | 2.983 | 3.059 | 0.076 |
| 100 | 60 | 2.942 | 3.034 | 0.092 |
| 100 | 61 | 2.973 | 3.071 | 0.098 |
| 100 | 62 | 3.027 | 3.120 | 0.093 |
| 100 | 63 | 2.939 | 3.029 | 0.090 |
| 100 | 64 | 3.021 | 3.115 | 0.094 |
| 105 | 65 | 2.934 | 3.025 | 0.091 |
| 105 | 66 | 2.978 | 3.076 | 0.098 |
| 105 | 67 | 2.763 | 3.042 | 0.279 |
| 105 | 68 | 2.785 | 3.067 | 0.282 |
| 105 | 69 | 2.956 | 3.053 | 0.097 |
| | Max | 3.115 | 3.126 | 0.282 |
| | Average | 3.005 | 3.065 | 0.060 |
| | Min | 2.763 | 3.021 | -0.004 |
| | Std Dev | 0.065 | 0.027 | 0.059 |




| | 6.113_OL_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.042 | 3.021 | 3.023 | 3.036 | 3.069 | 3.051 | 3.050 | 3.023 | 3.039 | 3.029 | 3.025 |
| Average | 3.062 | 3.070 | 3.045 | 3.046 | 3.094 | 3.064 | 3.075 | 3.078 | 3.060 | 3.074 | 3.053 |
| Max | 3.075 | 3.116 | 3.059 | 3.055 | 3.126 | 3.078 | 3.118 | 3.105 | 3.078 | 3.120 | 3.076 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

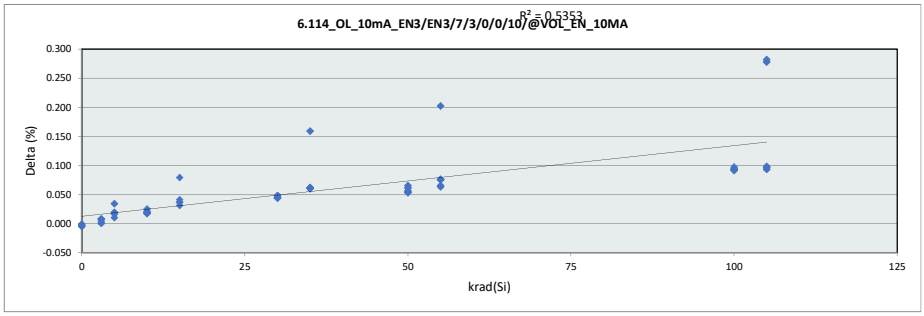


# TID HDR Report
# TPS7H3014-SP

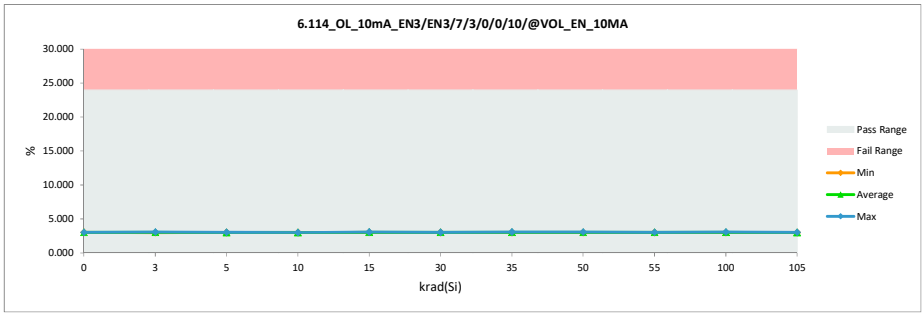
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.114_OL_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.026 | 3.021 | -0.005 |
| 0 | 14 | 3.037 | 3.033 | -0.004 |
| 0 | 15 | 3.022 | 3.021 | -0.001 |
| 3 | 20 | 3.063 | 3.063 | 0.000 |
| 3 | 21 | 3.016 | 3.019 | 0.003 |
| 3 | 22 | 2.973 | 2.980 | 0.007 |
| 3 | 23 | 3.015 | 3.022 | 0.007 |
| 3 | 24 | 3.054 | 3.062 | 0.008 |
| 5 | 25 | 3.001 | 3.011 | 0.010 |
| 5 | 26 | 2.985 | 3.001 | 0.016 |
| 5 | 27 | 2.976 | 3.010 | 0.034 |
| 5 | 28 | 2.973 | 2.992 | 0.019 |
| 5 | 29 | 3.014 | 3.033 | 0.019 |
| 10 | 30 | 2.986 | 3.007 | 0.021 |
| 10 | 31 | 2.993 | 3.010 | 0.017 |
| 10 | 32 | 2.982 | 3.000 | 0.018 |
| 10 | 33 | 2.980 | 2.999 | 0.019 |
| 10 | 34 | 2.965 | 2.990 | 0.025 |
| 15 | 35 | 3.023 | 3.054 | 0.031 |
| 15 | 36 | 2.966 | 3.045 | 0.079 |
| 15 | 37 | 3.039 | 3.080 | 0.041 |
| 15 | 38 | 2.984 | 3.020 | 0.036 |
| 15 | 39 | 2.993 | 3.030 | 0.037 |
| 30 | 40 | 2.968 | 3.016 | 0.048 |
| 30 | 41 | 2.985 | 3.033 | 0.048 |
| 30 | 42 | 2.952 | 2.996 | 0.044 |
| 30 | 43 | 2.969 | 3.013 | 0.044 |
| 30 | 44 | 2.989 | 3.033 | 0.044 |
| 35 | 45 | 2.956 | 3.018 | 0.062 |
| 35 | 46 | 2.870 | 3.029 | 0.159 |
| 35 | 47 | 2.968 | 3.028 | 0.060 |
| 35 | 48 | 2.952 | 3.013 | 0.061 |
| 35 | 49 | 3.016 | 3.077 | 0.061 |
| 50 | 50 | 2.977 | 3.030 | 0.053 |
| 50 | 51 | 2.936 | 2.990 | 0.054 |
| 50 | 52 | 2.998 | 3.054 | 0.056 |
| 50 | 53 | 2.973 | 3.034 | 0.061 |
| 50 | 54 | 3.003 | 3.068 | 0.065 |
| 55 | 55 | 2.963 | 3.028 | 0.065 |
| 55 | 56 | 2.820 | 3.022 | 0.202 |
| 55 | 57 | 2.939 | 3.002 | 0.063 |
| 55 | 58 | 2.942 | 3.018 | 0.076 |
| 55 | 59 | 2.939 | 3.014 | 0.075 |
| 100 | 60 | 2.906 | 2.998 | 0.092 |
| 100 | 61 | 2.930 | 3.027 | 0.097 |
| 100 | 62 | 2.973 | 3.066 | 0.093 |
| 100 | 63 | 2.922 | 3.013 | 0.091 |
| 100 | 64 | 2.974 | 3.068 | 0.094 |
| 105 | 65 | 2.903 | 2.996 | 0.093 |
| 105 | 66 | 2.937 | 3.035 | 0.098 |
| 105 | 67 | 2.730 | 3.012 | 0.282 |
| 105 | 68 | 2.725 | 3.003 | 0.278 |
| 105 | 69 | 2.910 | 3.006 | 0.096 |
| | Max | 3.063 | 3.080 | 0.282 |
| | Average | 2.964 | 3.023 | 0.059 |
| | Min | 2.725 | 2.980 | -0.005 |
| | Std Dev | 0.065 | 0.024 | 0.060 |




| | 6.114_OL_10mA_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.021 | 2.980 | 2.992 | 2.990 | 3.020 | 2.996 | 3.013 | 2.990 | 3.002 | 2.998 | 2.996 |
| Average | 3.025 | 3.029 | 3.009 | 3.001 | 3.046 | 3.018 | 3.033 | 3.035 | 3.017 | 3.034 | 3.010 |
| Max | 3.033 | 3.063 | 3.033 | 3.010 | 3.080 | 3.033 | 3.077 | 3.068 | 3.028 | 3.068 | 3.035 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

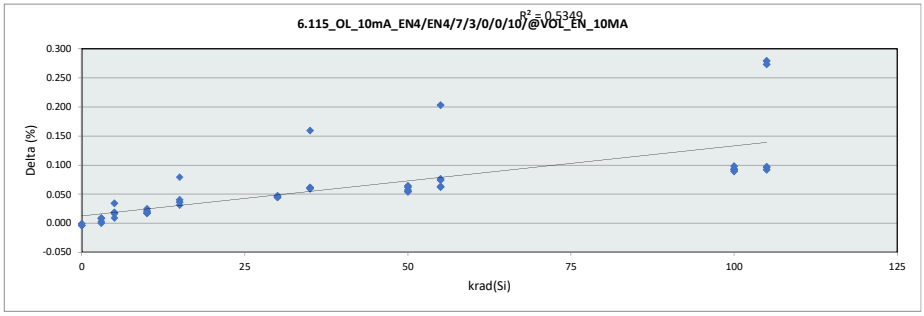


# TID HDR Report
# TPS7H3014-SP

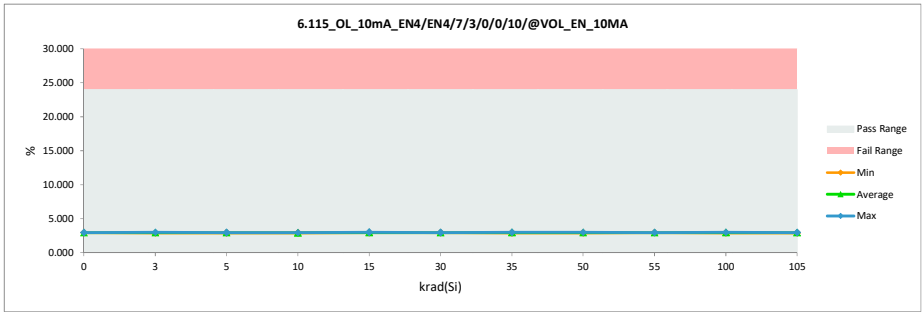
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.115_OL_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.930 | 2.926 | -0.004 |
| 0 | 14 | 2.957 | 2.953 | -0.004 |
| 0 | 15 | 2.929 | 2.928 | -0.001 |
| 3 | 20 | 2.976 | 2.976 | 0.000 |
| 3 | 21 | 2.919 | 2.922 | 0.003 |
| 3 | 22 | 2.871 | 2.880 | 0.009 |
| 3 | 23 | 2.920 | 2.928 | 0.008 |
| 3 | 24 | 2.959 | 2.967 | 0.008 |
| 5 | 25 | 2.922 | 2.931 | 0.009 |
| 5 | 26 | 2.908 | 2.924 | 0.016 |
| 5 | 27 | 2.879 | 2.913 | 0.034 |
| 5 | 28 | 2.883 | 2.901 | 0.018 |
| 5 | 29 | 2.928 | 2.946 | 0.018 |
| 10 | 30 | 2.896 | 2.917 | 0.021 |
| 10 | 31 | 2.915 | 2.932 | 0.017 |
| 10 | 32 | 2.880 | 2.897 | 0.017 |
| 10 | 33 | 2.892 | 2.911 | 0.019 |
| 10 | 34 | 2.872 | 2.897 | 0.025 |
| 15 | 35 | 2.924 | 2.955 | 0.031 |
| 15 | 36 | 2.904 | 2.983 | 0.079 |
| 15 | 37 | 2.947 | 2.987 | 0.040 |
| 15 | 38 | 2.894 | 2.930 | 0.036 |
| 15 | 39 | 2.891 | 2.927 | 0.036 |
| 30 | 40 | 2.869 | 2.916 | 0.047 |
| 30 | 41 | 2.893 | 2.940 | 0.047 |
| 30 | 42 | 2.883 | 2.927 | 0.044 |
| 30 | 43 | 2.884 | 2.929 | 0.045 |
| 30 | 44 | 2.904 | 2.949 | 0.045 |
| 35 | 45 | 2.846 | 2.907 | 0.061 |
| 35 | 46 | 2.791 | 2.950 | 0.159 |
| 35 | 47 | 2.868 | 2.927 | 0.059 |
| 35 | 48 | 2.863 | 2.923 | 0.060 |
| 35 | 49 | 2.921 | 2.982 | 0.061 |
| 50 | 50 | 2.890 | 2.944 | 0.054 |
| 50 | 51 | 2.835 | 2.889 | 0.054 |
| 50 | 52 | 2.914 | 2.971 | 0.057 |
| 50 | 53 | 2.876 | 2.938 | 0.062 |
| 50 | 54 | 2.907 | 2.971 | 0.064 |
| 55 | 55 | 2.892 | 2.955 | 0.063 |
| 55 | 56 | 2.723 | 2.926 | 0.203 |
| 55 | 57 | 2.852 | 2.914 | 0.062 |
| 55 | 58 | 2.858 | 2.934 | 0.076 |
| 55 | 59 | 2.843 | 2.917 | 0.074 |
| 100 | 60 | 2.814 | 2.906 | 0.092 |
| 100 | 61 | 2.851 | 2.949 | 0.098 |
| 100 | 62 | 2.878 | 2.970 | 0.092 |
| 100 | 63 | 2.804 | 2.893 | 0.089 |
| 100 | 64 | 2.878 | 2.971 | 0.093 |
| 105 | 65 | 2.811 | 2.903 | 0.092 |
| 105 | 66 | 2.845 | 2.941 | 0.096 |
| 105 | 67 | 2.648 | 2.927 | 0.279 |
| 105 | 68 | 2.643 | 2.916 | 0.273 |
| 105 | 69 | 2.836 | 2.933 | 0.097 |
| | Max | 2.976 | 2.987 | 0.279 |
| | Average | 2.874 | 2.933 | 0.059 |
| | Min | 2.643 | 2.880 | -0.004 |
| | Std Dev | 0.064 | 0.026 | 0.059 |




| | 6.115_OL_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.926 | 2.880 | 2.901 | 2.897 | 2.927 | 2.916 | 2.907 | 2.889 | 2.914 | 2.893 | 2.903 |
| Average | 2.936 | 2.935 | 2.923 | 2.911 | 2.956 | 2.932 | 2.938 | 2.943 | 2.929 | 2.938 | 2.924 |
| Max | 2.953 | 2.976 | 2.946 | 2.932 | 2.987 | 2.949 | 2.982 | 2.971 | 2.955 | 2.971 | 2.941 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

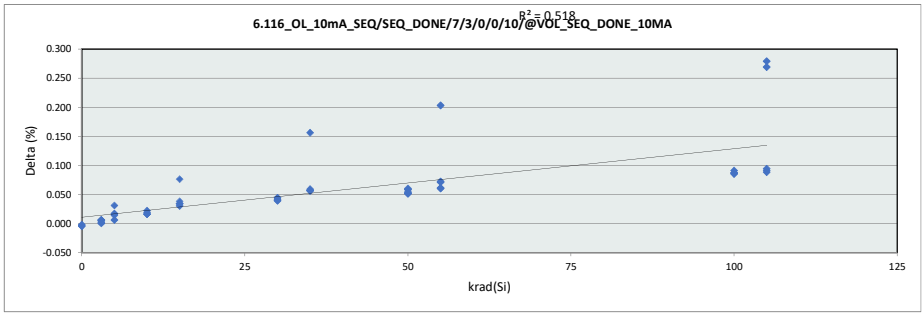


# TID HDR Report
# TPS7H3014-SP

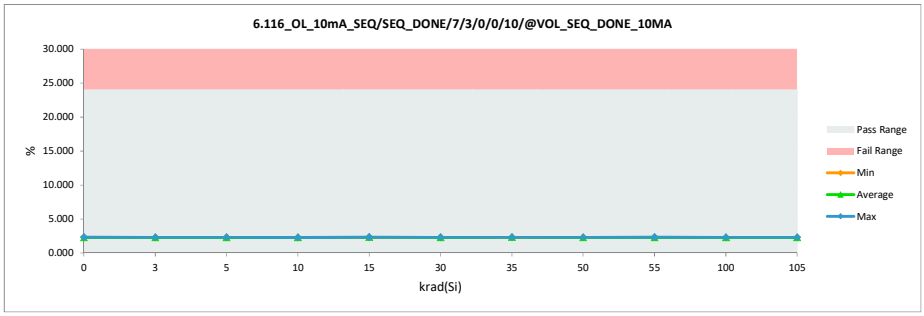
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.116_OL_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.292 | 2.287 | -0.005 |
| 0 | 14 | 2.330 | 2.326 | -0.004 |
| 0 | 15 | 2.271 | 2.269 | -0.002 |
| 3 | 20 | 2.308 | 2.308 | 0.000 |
| 3 | 21 | 2.287 | 2.289 | 0.002 |
| 3 | 22 | 2.270 | 2.275 | 0.005 |
| 3 | 23 | 2.282 | 2.288 | 0.006 |
| 3 | 24 | 2.305 | 2.311 | 0.006 |
| 5 | 25 | 2.270 | 2.276 | 0.006 |
| 5 | 26 | 2.265 | 2.279 | 0.014 |
| 5 | 27 | 2.271 | 2.302 | 0.031 |
| 5 | 28 | 2.259 | 2.276 | 0.017 |
| 5 | 29 | 2.268 | 2.284 | 0.016 |
| 10 | 30 | 2.254 | 2.273 | 0.019 |
| 10 | 31 | 2.265 | 2.281 | 0.016 |
| 10 | 32 | 2.254 | 2.270 | 0.016 |
| 10 | 33 | 2.266 | 2.282 | 0.016 |
| 10 | 34 | 2.250 | 2.272 | 0.022 |
| 15 | 35 | 2.268 | 2.298 | 0.030 |
| 15 | 36 | 2.249 | 2.325 | 0.076 |
| 15 | 37 | 2.286 | 2.324 | 0.038 |
| 15 | 38 | 2.241 | 2.275 | 0.034 |
| 15 | 39 | 2.242 | 2.276 | 0.034 |
| 30 | 40 | 2.240 | 2.284 | 0.044 |
| 30 | 41 | 2.257 | 2.301 | 0.044 |
| 30 | 42 | 2.227 | 2.267 | 0.040 |
| 30 | 43 | 2.228 | 2.267 | 0.039 |
| 30 | 44 | 2.245 | 2.286 | 0.041 |
| 35 | 45 | 2.246 | 2.305 | 0.059 |
| 35 | 46 | 2.164 | 2.320 | 0.156 |
| 35 | 47 | 2.226 | 2.282 | 0.056 |
| 35 | 48 | 2.229 | 2.286 | 0.057 |
| 35 | 49 | 2.246 | 2.303 | 0.057 |
| 50 | 50 | 2.243 | 2.294 | 0.051 |
| 50 | 51 | 2.223 | 2.275 | 0.052 |
| 50 | 52 | 2.253 | 2.307 | 0.054 |
| 50 | 53 | 2.247 | 2.305 | 0.058 |
| 50 | 54 | 2.237 | 2.297 | 0.060 |
| 55 | 55 | 2.231 | 2.292 | 0.061 |
| 55 | 56 | 2.118 | 2.321 | 0.203 |
| 55 | 57 | 2.217 | 2.277 | 0.060 |
| 55 | 58 | 2.223 | 2.295 | 0.072 |
| 55 | 59 | 2.215 | 2.286 | 0.071 |
| 100 | 60 | 2.184 | 2.271 | 0.087 |
| 100 | 61 | 2.198 | 2.289 | 0.091 |
| 100 | 62 | 2.221 | 2.307 | 0.086 |
| 100 | 63 | 2.184 | 2.269 | 0.085 |
| 100 | 64 | 2.226 | 2.313 | 0.087 |
| 105 | 65 | 2.185 | 2.273 | 0.088 |
| 105 | 66 | 2.185 | 2.276 | 0.091 |
| 105 | 67 | 2.027 | 2.306 | 0.279 |
| 105 | 68 | 1.999 | 2.268 | 0.269 |
| 105 | 69 | 2.221 | 2.315 | 0.094 |
| | Max | 2.330 | 2.326 | 0.279 |
| | Average | 2.234 | 2.290 | 0.056 |
| | Min | 1.999 | 2.267 | -0.005 |
| | Std Dev | 0.058 | 0.017 | 0.059 |




| | 6.116_OL_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.269 | 2.275 | 2.276 | 2.270 | 2.275 | 2.267 | 2.282 | 2.275 | 2.277 | 2.269 | 2.268 |
| Average | 2.294 | 2.294 | 2.283 | 2.276 | 2.300 | 2.281 | 2.299 | 2.296 | 2.294 | 2.290 | 2.288 |
| Max | 2.326 | 2.311 | 2.302 | 2.282 | 2.325 | 2.301 | 2.320 | 2.307 | 2.321 | 2.313 | 2.315 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

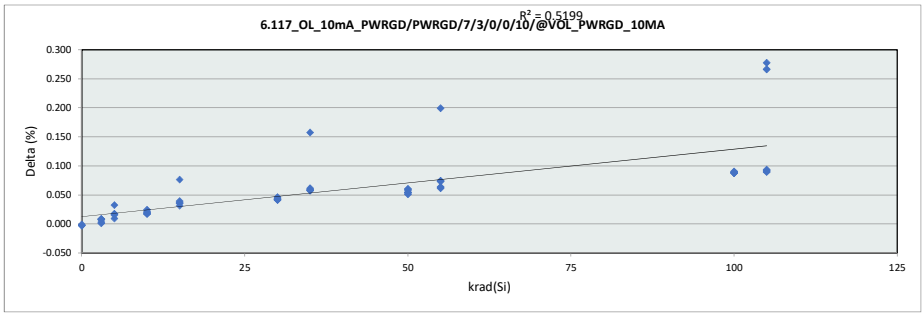


# TID HDR Report
# TPS7H3014-SP

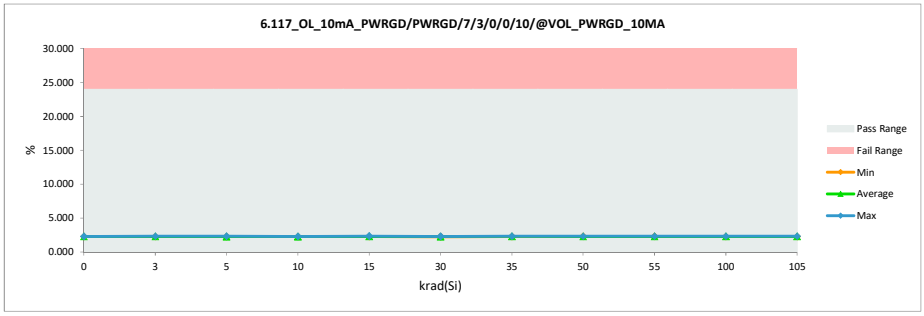
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.117_OL_10mA_PWRGD/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.310 | 2.307 | -0.003 |
| 0 | 14 | 2.314 | 2.311 | -0.003 |
| 0 | 15 | 2.289 | 2.288 | -0.001 |
| 3 | 20 | 2.334 | 2.335 | 0.001 |
| 3 | 21 | 2.297 | 2.300 | 0.003 |
| 3 | 22 | 2.284 | 2.291 | 0.007 |
| 3 | 23 | 2.295 | 2.303 | 0.008 |
| 3 | 24 | 2.310 | 2.318 | 0.008 |
| 5 | 25 | 2.274 | 2.283 | 0.009 |
| 5 | 26 | 2.266 | 2.281 | 0.015 |
| 5 | 27 | 2.302 | 2.334 | 0.032 |
| 5 | 28 | 2.264 | 2.281 | 0.017 |
| 5 | 29 | 2.270 | 2.287 | 0.017 |
| 10 | 30 | 2.262 | 2.283 | 0.021 |
| 10 | 31 | 2.262 | 2.279 | 0.017 |
| 10 | 32 | 2.277 | 2.294 | 0.017 |
| 10 | 33 | 2.294 | 2.313 | 0.019 |
| 10 | 34 | 2.260 | 2.284 | 0.024 |
| 15 | 35 | 2.285 | 2.316 | 0.031 |
| 15 | 36 | 2.238 | 2.314 | 0.076 |
| 15 | 37 | 2.312 | 2.351 | 0.039 |
| 15 | 38 | 2.265 | 2.300 | 0.035 |
| 15 | 39 | 2.246 | 2.282 | 0.036 |
| 30 | 40 | 2.261 | 2.307 | 0.046 |
| 30 | 41 | 2.262 | 2.306 | 0.044 |
| 30 | 42 | 2.225 | 2.266 | 0.041 |
| 30 | 43 | 2.236 | 2.277 | 0.041 |
| 30 | 44 | 2.254 | 2.296 | 0.042 |
| 35 | 45 | 2.264 | 2.325 | 0.061 |
| 35 | 46 | 2.181 | 2.338 | 0.157 |
| 35 | 47 | 2.246 | 2.303 | 0.057 |
| 35 | 48 | 2.234 | 2.292 | 0.058 |
| 35 | 49 | 2.265 | 2.324 | 0.059 |
| 50 | 50 | 2.252 | 2.303 | 0.051 |
| 50 | 51 | 2.246 | 2.300 | 0.054 |
| 50 | 52 | 2.271 | 2.325 | 0.054 |
| 50 | 53 | 2.248 | 2.306 | 0.058 |
| 50 | 54 | 2.235 | 2.295 | 0.060 |
| 55 | 55 | 2.244 | 2.307 | 0.063 |
| 55 | 56 | 2.121 | 2.320 | 0.199 |
| 55 | 57 | 2.235 | 2.296 | 0.061 |
| 55 | 58 | 2.232 | 2.306 | 0.074 |
| 55 | 59 | 2.233 | 2.306 | 0.073 |
| 100 | 60 | 2.189 | 2.277 | 0.088 |
| 100 | 61 | 2.200 | 2.290 | 0.090 |
| 100 | 62 | 2.243 | 2.330 | 0.087 |
| 100 | 63 | 2.205 | 2.292 | 0.087 |
| 100 | 64 | 2.251 | 2.339 | 0.088 |
| 105 | 65 | 2.200 | 2.289 | 0.089 |
| 105 | 66 | 2.198 | 2.289 | 0.091 |
| 105 | 67 | 2.046 | 2.323 | 0.277 |
| 105 | 68 | 2.014 | 2.280 | 0.266 |
| 105 | 69 | 2.221 | 2.314 | 0.093 |
| | Max | 2.334 | 2.351 | 0.277 |
| | Average | 2.246 | 2.303 | 0.057 |
| | Min | 2.014 | 2.266 | -0.003 |
| | Std Dev | 0.058 | 0.019 | 0.058 |




| | 6.117_OL_10mA_PWRGD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.288 | 2.291 | 2.281 | 2.279 | 2.282 | 2.266 | 2.292 | 2.295 | 2.296 | 2.277 | 2.280 |
| Average | 2.302 | 2.309 | 2.293 | 2.291 | 2.313 | 2.290 | 2.316 | 2.306 | 2.307 | 2.306 | 2.299 |
| Max | 2.311 | 2.335 | 2.334 | 2.313 | 2.351 | 2.307 | 2.338 | 2.325 | 2.320 | 2.339 | 2.323 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

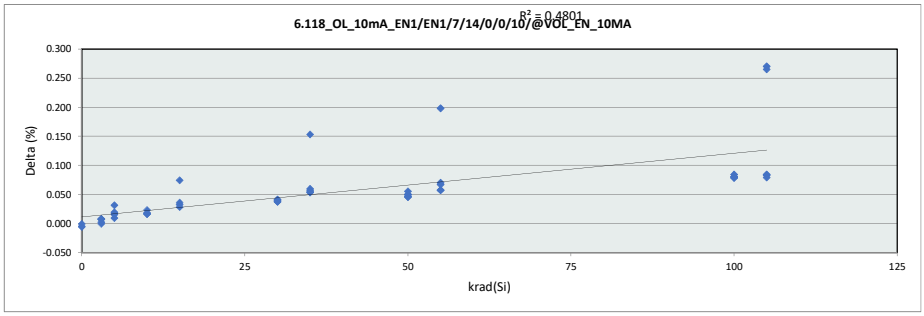


# TID HDR Report
# TPS7H3014-SP

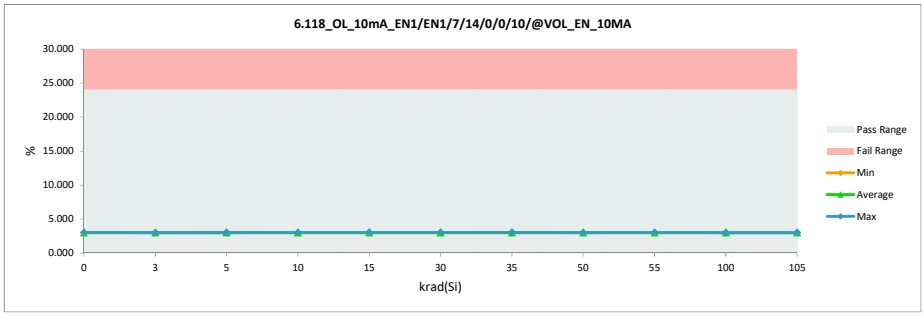
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.118_OL_10mA_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.015 | 3.009 | -0.006 |
| 0 | 14 | 2.999 | 2.994 | -0.005 |
| 0 | 15 | 2.987 | 2.986 | -0.001 |
| 3 | 20 | 2.977 | 2.976 | -0.001 |
| 3 | 21 | 2.985 | 2.987 | 0.002 |
| 3 | 22 | 2.965 | 2.972 | 0.007 |
| 3 | 23 | 2.978 | 2.985 | 0.007 |
| 3 | 24 | 2.967 | 2.975 | 0.008 |
| 5 | 25 | 2.976 | 2.985 | 0.009 |
| 5 | 26 | 2.979 | 2.994 | 0.015 |
| 5 | 27 | 2.953 | 2.984 | 0.031 |
| 5 | 28 | 2.965 | 2.982 | 0.017 |
| 5 | 29 | 2.964 | 2.983 | 0.019 |
| 10 | 30 | 2.984 | 3.002 | 0.018 |
| 10 | 31 | 2.955 | 2.971 | 0.016 |
| 10 | 32 | 2.957 | 2.973 | 0.016 |
| 10 | 33 | 2.975 | 2.992 | 0.017 |
| 10 | 34 | 2.956 | 2.979 | 0.023 |
| 15 | 35 | 2.959 | 2.987 | 0.028 |
| 15 | 36 | 2.906 | 2.980 | 0.074 |
| 15 | 37 | 2.939 | 2.975 | 0.036 |
| 15 | 38 | 2.937 | 2.969 | 0.032 |
| 15 | 39 | 2.966 | 2.999 | 0.033 |
| 30 | 40 | 2.927 | 2.967 | 0.040 |
| 30 | 41 | 2.922 | 2.963 | 0.041 |
| 30 | 42 | 2.932 | 2.969 | 0.037 |
| 30 | 43 | 2.931 | 2.968 | 0.037 |
| 30 | 44 | 2.964 | 3.004 | 0.040 |
| 35 | 45 | 2.934 | 2.993 | 0.059 |
| 35 | 46 | 2.832 | 2.985 | 0.153 |
| 35 | 47 | 2.928 | 2.982 | 0.054 |
| 35 | 48 | 2.957 | 3.013 | 0.056 |
| 35 | 49 | 2.922 | 2.975 | 0.053 |
| 50 | 50 | 2.927 | 2.972 | 0.045 |
| 50 | 51 | 2.927 | 2.976 | 0.049 |
| 50 | 52 | 2.940 | 2.986 | 0.046 |
| 50 | 53 | 2.934 | 2.984 | 0.050 |
| 50 | 54 | 2.926 | 2.981 | 0.055 |
| 55 | 55 | 2.917 | 2.974 | 0.057 |
| 55 | 56 | 2.796 | 2.994 | 0.198 |
| 55 | 57 | 2.905 | 2.962 | 0.057 |
| 55 | 58 | 2.929 | 2.999 | 0.070 |
| 55 | 59 | 2.917 | 2.984 | 0.067 |
| 100 | 60 | 2.901 | 2.981 | 0.080 |
| 100 | 61 | 2.890 | 2.974 | 0.084 |
| 100 | 62 | 2.906 | 2.984 | 0.078 |
| 100 | 63 | 2.881 | 2.960 | 0.079 |
| 100 | 64 | 2.906 | 2.986 | 0.080 |
| 105 | 65 | 2.881 | 2.960 | 0.079 |
| 105 | 66 | 2.908 | 2.992 | 0.084 |
| 105 | 67 | 2.712 | 2.982 | 0.270 |
| 105 | 68 | 2.727 | 2.992 | 0.265 |
| 105 | 69 | 2.899 | 2.982 | 0.083 |
| | Max | 3.015 | 3.013 | 0.270 |
| | Average | 2.929 | 2.982 | 0.054 |
| | Min | 2.712 | 2.960 | -0.006 |
| | Std Dev | 0.057 | 0.012 | 0.057 |




| | 6.118_OL_10mA_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.986 | 2.972 | 2.982 | 2.971 | 2.969 | 2.963 | 2.975 | 2.972 | 2.962 | 2.960 | 2.960 |
| Average | 2.996 | 2.979 | 2.986 | 2.983 | 2.982 | 2.974 | 2.990 | 2.980 | 2.983 | 2.977 | 2.982 |
| Max | 3.009 | 2.987 | 2.994 | 3.002 | 2.999 | 3.004 | 3.013 | 2.986 | 2.999 | 2.986 | 2.992 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

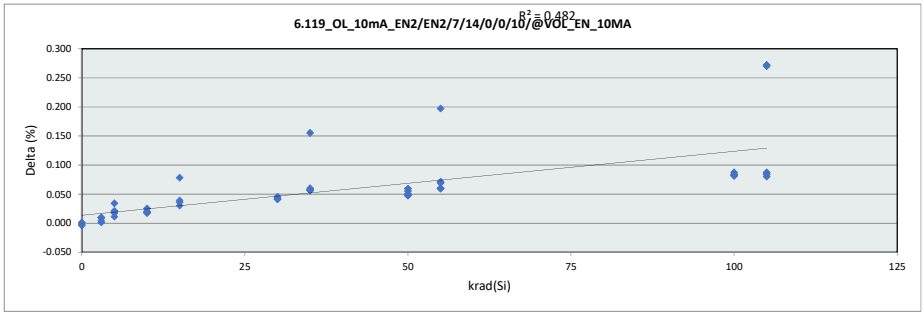


# TID HDR Report
# TPS7H3014-SP

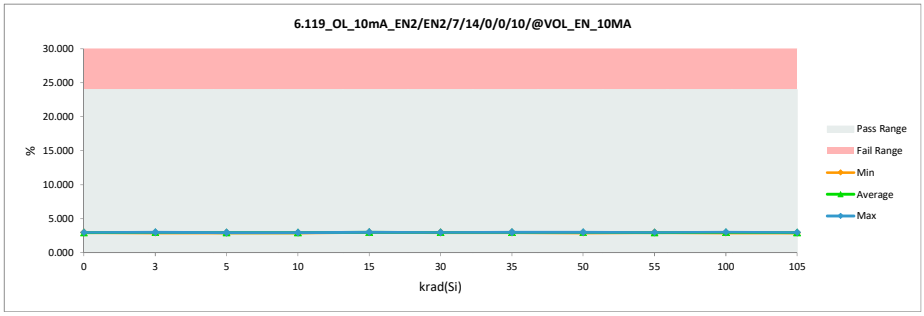
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.119_OL_10mA_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.951 | 2.947 | -0.004 |
| 0 | 14 | 2.955 | 2.953 | -0.002 |
| 0 | 15 | 2.925 | 2.926 | 0.001 |
| 3 | 20 | 2.991 | 2.992 | 0.001 |
| 3 | 21 | 2.939 | 2.943 | 0.004 |
| 3 | 22 | 2.892 | 2.901 | 0.009 |
| 3 | 23 | 2.917 | 2.926 | 0.009 |
| 3 | 24 | 2.967 | 2.977 | 0.010 |
| 5 | 25 | 2.912 | 2.923 | 0.011 |
| 5 | 26 | 2.909 | 2.926 | 0.017 |
| 5 | 27 | 2.910 | 2.944 | 0.034 |
| 5 | 28 | 2.893 | 2.912 | 0.019 |
| 5 | 29 | 2.909 | 2.930 | 0.021 |
| 10 | 30 | 2.910 | 2.930 | 0.020 |
| 10 | 31 | 2.913 | 2.930 | 0.017 |
| 10 | 32 | 2.923 | 2.941 | 0.018 |
| 10 | 33 | 2.898 | 2.917 | 0.019 |
| 10 | 34 | 2.905 | 2.930 | 0.025 |
| 15 | 35 | 2.948 | 2.978 | 0.030 |
| 15 | 36 | 2.892 | 2.970 | 0.078 |
| 15 | 37 | 2.960 | 2.999 | 0.039 |
| 15 | 38 | 2.923 | 2.959 | 0.036 |
| 15 | 39 | 2.922 | 2.958 | 0.036 |
| 30 | 40 | 2.893 | 2.938 | 0.045 |
| 30 | 41 | 2.907 | 2.952 | 0.045 |
| 30 | 42 | 2.894 | 2.935 | 0.041 |
| 30 | 43 | 2.912 | 2.953 | 0.041 |
| 30 | 44 | 2.911 | 2.953 | 0.042 |
| 35 | 45 | 2.878 | 2.938 | 0.060 |
| 35 | 46 | 2.802 | 2.957 | 0.155 |
| 35 | 47 | 2.900 | 2.957 | 0.057 |
| 35 | 48 | 2.884 | 2.940 | 0.056 |
| 35 | 49 | 2.936 | 2.993 | 0.057 |
| 50 | 50 | 2.910 | 2.959 | 0.049 |
| 50 | 51 | 2.855 | 2.905 | 0.050 |
| 50 | 52 | 2.928 | 2.975 | 0.047 |
| 50 | 53 | 2.903 | 2.958 | 0.055 |
| 50 | 54 | 2.923 | 2.982 | 0.059 |
| 55 | 55 | 2.895 | 2.955 | 0.060 |
| 55 | 56 | 2.737 | 2.934 | 0.197 |
| 55 | 57 | 2.867 | 2.926 | 0.059 |
| 55 | 58 | 2.868 | 2.939 | 0.071 |
| 55 | 59 | 2.872 | 2.941 | 0.069 |
| 100 | 60 | 2.835 | 2.917 | 0.082 |
| 100 | 61 | 2.860 | 2.947 | 0.087 |
| 100 | 62 | 2.916 | 2.998 | 0.082 |
| 100 | 63 | 2.829 | 2.910 | 0.081 |
| 100 | 64 | 2.908 | 2.992 | 0.084 |
| 105 | 65 | 2.827 | 2.907 | 0.080 |
| 105 | 66 | 2.879 | 2.966 | 0.087 |
| 105 | 67 | 2.655 | 2.925 | 0.270 |
| 105 | 68 | 2.681 | 2.953 | 0.272 |
| 105 | 69 | 2.841 | 2.925 | 0.084 |
| | Max | 2.991 | 2.999 | 0.272 |
| | Average | 2.890 | 2.946 | 0.056 |
| | Min | 2.655 | 2.901 | -0.004 |
| | Std Dev | 0.062 | 0.025 | 0.057 |




| | 6.119_OL_10mA_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.926 | 2.901 | 2.912 | 2.917 | 2.958 | 2.935 | 2.938 | 2.905 | 2.926 | 2.910 | 2.907 |
| Average | 2.942 | 2.948 | 2.927 | 2.930 | 2.973 | 2.946 | 2.957 | 2.956 | 2.939 | 2.953 | 2.935 |
| Max | 2.953 | 2.992 | 2.944 | 2.941 | 2.999 | 2.953 | 2.993 | 2.982 | 2.955 | 2.998 | 2.966 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

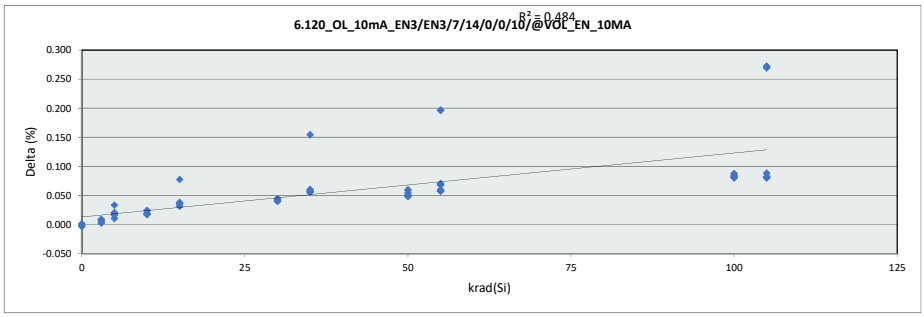


# TID HDR Report
# TPS7H3014-SP

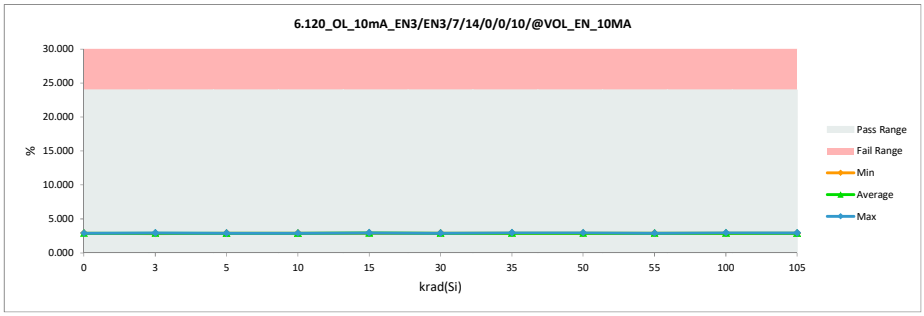
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.120_OL_10mA_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.904 | 2.901 | -0.003 |
| 0 | 14 | 2.914 | 2.911 | -0.003 |
| 0 | 15 | 2.902 | 2.903 | 0.001 |
| 3 | 20 | 2.939 | 2.941 | 0.002 |
| 3 | 21 | 2.897 | 2.901 | 0.004 |
| 3 | 22 | 2.851 | 2.859 | 0.008 |
| 3 | 23 | 2.892 | 2.900 | 0.008 |
| 3 | 24 | 2.925 | 2.933 | 0.008 |
| 5 | 25 | 2.881 | 2.891 | 0.010 |
| 5 | 26 | 2.864 | 2.880 | 0.016 |
| 5 | 27 | 2.861 | 2.894 | 0.033 |
| 5 | 28 | 2.861 | 2.879 | 0.018 |
| 5 | 29 | 2.888 | 2.908 | 0.020 |
| 10 | 30 | 2.870 | 2.889 | 0.019 |
| 10 | 31 | 2.876 | 2.893 | 0.017 |
| 10 | 32 | 2.869 | 2.886 | 0.017 |
| 10 | 33 | 2.860 | 2.878 | 0.018 |
| 10 | 34 | 2.852 | 2.876 | 0.024 |
| 15 | 35 | 2.899 | 2.930 | 0.031 |
| 15 | 36 | 2.844 | 2.921 | 0.077 |
| 15 | 37 | 2.915 | 2.953 | 0.038 |
| 15 | 38 | 2.868 | 2.903 | 0.035 |
| 15 | 39 | 2.883 | 2.919 | 0.036 |
| 30 | 40 | 2.856 | 2.900 | 0.044 |
| 30 | 41 | 2.864 | 2.908 | 0.044 |
| 30 | 42 | 2.840 | 2.880 | 0.040 |
| 30 | 43 | 2.859 | 2.899 | 0.040 |
| 30 | 44 | 2.875 | 2.917 | 0.042 |
| 35 | 45 | 2.836 | 2.896 | 0.060 |
| 35 | 46 | 2.758 | 2.912 | 0.154 |
| 35 | 47 | 2.855 | 2.911 | 0.056 |
| 35 | 48 | 2.846 | 2.903 | 0.057 |
| 35 | 49 | 2.894 | 2.950 | 0.056 |
| 50 | 50 | 2.859 | 2.908 | 0.049 |
| 50 | 51 | 2.820 | 2.870 | 0.050 |
| 50 | 52 | 2.881 | 2.929 | 0.048 |
| 50 | 53 | 2.862 | 2.916 | 0.054 |
| 50 | 54 | 2.885 | 2.944 | 0.059 |
| 55 | 55 | 2.848 | 2.907 | 0.059 |
| 55 | 56 | 2.699 | 2.895 | 0.196 |
| 55 | 57 | 2.831 | 2.888 | 0.057 |
| 55 | 58 | 2.825 | 2.895 | 0.070 |
| 55 | 59 | 2.827 | 2.895 | 0.068 |
| 100 | 60 | 2.798 | 2.878 | 0.080 |
| 100 | 61 | 2.817 | 2.904 | 0.087 |
| 100 | 62 | 2.863 | 2.946 | 0.083 |
| 100 | 63 | 2.808 | 2.889 | 0.081 |
| 100 | 64 | 2.861 | 2.944 | 0.083 |
| 105 | 65 | 2.794 | 2.874 | 0.080 |
| 105 | 66 | 2.839 | 2.927 | 0.088 |
| 105 | 67 | 2.621 | 2.893 | 0.272 |
| 105 | 68 | 2.622 | 2.891 | 0.269 |
| 105 | 69 | 2.796 | 2.878 | 0.082 |
| | Max | 2.939 | 2.953 | 0.272 |
| | Average | 2.848 | 2.904 | 0.056 |
| | Min | 2.621 | 2.859 | -0.003 |
| | Std Dev | 0.061 | 0.022 | 0.057 |




| | 6.120_OL_10mA_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.901 | 2.859 | 2.879 | 2.876 | 2.903 | 2.880 | 2.896 | 2.870 | 2.888 | 2.878 | 2.874 |
| Average | 2.905 | 2.907 | 2.890 | 2.884 | 2.925 | 2.901 | 2.914 | 2.913 | 2.896 | 2.912 | 2.893 |
| Max | 2.911 | 2.941 | 2.908 | 2.893 | 2.953 | 2.917 | 2.950 | 2.944 | 2.907 | 2.946 | 2.927 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

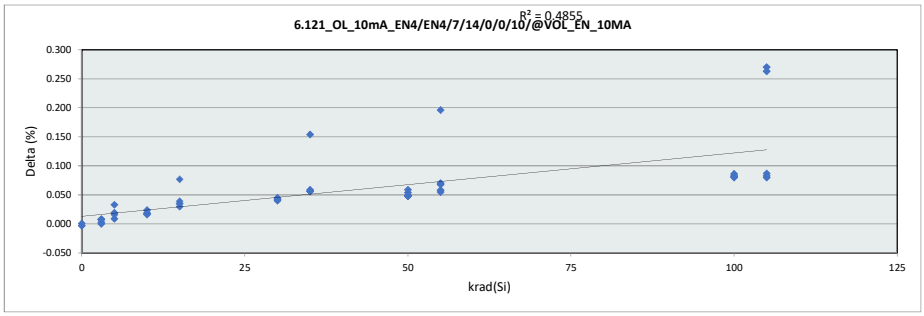


# TID HDR Report
# TPS7H3014-SP

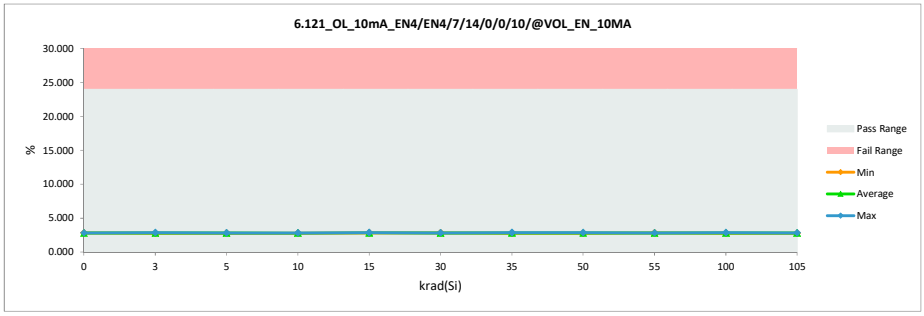
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.121_OL_10mA_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.810 | 2.807 | -0.003 |
| 0 | 14 | 2.833 | 2.830 | -0.003 |
| 0 | 15 | 2.810 | 2.811 | 0.001 |
| 3 | 20 | 2.853 | 2.853 | 0.000 |
| 3 | 21 | 2.802 | 2.805 | 0.003 |
| 3 | 22 | 2.753 | 2.761 | 0.008 |
| 3 | 23 | 2.799 | 2.807 | 0.008 |
| 3 | 24 | 2.832 | 2.840 | 0.008 |
| 5 | 25 | 2.802 | 2.811 | 0.009 |
| 5 | 26 | 2.787 | 2.803 | 0.016 |
| 5 | 27 | 2.766 | 2.799 | 0.033 |
| 5 | 28 | 2.772 | 2.791 | 0.019 |
| 5 | 29 | 2.802 | 2.821 | 0.019 |
| 10 | 30 | 2.781 | 2.800 | 0.019 |
| 10 | 31 | 2.798 | 2.815 | 0.017 |
| 10 | 32 | 2.769 | 2.785 | 0.016 |
| 10 | 33 | 2.773 | 2.791 | 0.018 |
| 10 | 34 | 2.760 | 2.784 | 0.024 |
| 15 | 35 | 2.803 | 2.833 | 0.030 |
| 15 | 36 | 2.779 | 2.856 | 0.077 |
| 15 | 37 | 2.824 | 2.863 | 0.039 |
| 15 | 38 | 2.779 | 2.814 | 0.035 |
| 15 | 39 | 2.783 | 2.818 | 0.035 |
| 30 | 40 | 2.759 | 2.803 | 0.044 |
| 30 | 41 | 2.772 | 2.817 | 0.045 |
| 30 | 42 | 2.769 | 2.809 | 0.040 |
| 30 | 43 | 2.774 | 2.815 | 0.041 |
| 30 | 44 | 2.790 | 2.832 | 0.042 |
| 35 | 45 | 2.730 | 2.789 | 0.059 |
| 35 | 46 | 2.678 | 2.832 | 0.154 |
| 35 | 47 | 2.756 | 2.813 | 0.057 |
| 35 | 48 | 2.757 | 2.813 | 0.056 |
| 35 | 49 | 2.801 | 2.857 | 0.056 |
| 50 | 50 | 2.773 | 2.821 | 0.048 |
| 50 | 51 | 2.723 | 2.772 | 0.049 |
| 50 | 52 | 2.799 | 2.847 | 0.048 |
| 50 | 53 | 2.766 | 2.820 | 0.054 |
| 50 | 54 | 2.790 | 2.849 | 0.059 |
| 55 | 55 | 2.775 | 2.833 | 0.058 |
| 55 | 56 | 2.604 | 2.800 | 0.196 |
| 55 | 57 | 2.745 | 2.800 | 0.055 |
| 55 | 58 | 2.742 | 2.812 | 0.070 |
| 55 | 59 | 2.733 | 2.801 | 0.068 |
| 100 | 60 | 2.707 | 2.788 | 0.081 |
| 100 | 61 | 2.738 | 2.824 | 0.086 |
| 100 | 62 | 2.770 | 2.852 | 0.082 |
| 100 | 63 | 2.695 | 2.775 | 0.080 |
| 100 | 64 | 2.766 | 2.849 | 0.083 |
| 105 | 65 | 2.703 | 2.783 | 0.080 |
| 105 | 66 | 2.746 | 2.833 | 0.087 |
| 105 | 67 | 2.539 | 2.809 | 0.270 |
| 105 | 68 | 2.541 | 2.804 | 0.263 |
| 105 | 69 | 2.721 | 2.804 | 0.083 |
| | Max | 2.853 | 2.863 | 0.270 |
| | Average | 2.759 | 2.814 | 0.055 |
| | Min | 2.539 | 2.761 | -0.003 |
| | Std Dev | 0.061 | 0.023 | 0.056 |




| | 6.121_OL_10mA_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.807 | 2.761 | 2.791 | 2.784 | 2.814 | 2.803 | 2.789 | 2.772 | 2.800 | 2.775 | 2.783 |
| Average | 2.816 | 2.813 | 2.805 | 2.795 | 2.837 | 2.815 | 2.821 | 2.822 | 2.809 | 2.818 | 2.807 |
| Max | 2.830 | 2.853 | 2.821 | 2.815 | 2.863 | 2.832 | 2.857 | 2.849 | 2.833 | 2.852 | 2.833 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

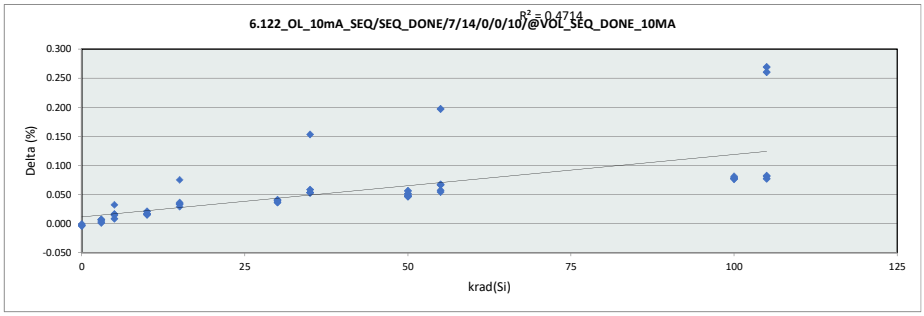


# TID HDR Report
# TPS7H3014-SP

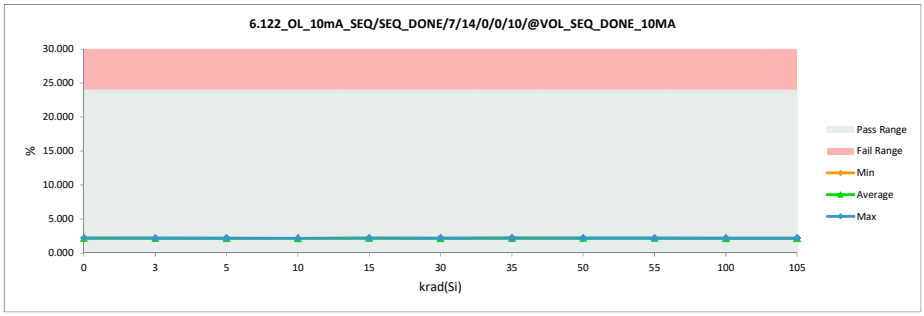
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.122_OL_10mA_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.178 | 2.174 | -0.004 |
| 0 | 14 | 2.210 | 2.206 | -0.004 |
| 0 | 15 | 2.160 | 2.159 | -0.001 |
| 3 | 20 | 2.189 | 2.190 | 0.001 |
| 3 | 21 | 2.174 | 2.177 | 0.003 |
| 3 | 22 | 2.151 | 2.158 | 0.007 |
| 3 | 23 | 2.165 | 2.171 | 0.006 |
| 3 | 24 | 2.182 | 2.189 | 0.007 |
| 5 | 25 | 2.154 | 2.162 | 0.008 |
| 5 | 26 | 2.149 | 2.163 | 0.014 |
| 5 | 27 | 2.156 | 2.188 | 0.032 |
| 5 | 28 | 2.151 | 2.167 | 0.016 |
| 5 | 29 | 2.151 | 2.167 | 0.016 |
| 10 | 30 | 2.144 | 2.161 | 0.017 |
| 10 | 31 | 2.153 | 2.168 | 0.015 |
| 10 | 32 | 2.145 | 2.160 | 0.015 |
| 10 | 33 | 2.150 | 2.166 | 0.016 |
| 10 | 34 | 2.139 | 2.160 | 0.021 |
| 15 | 35 | 2.152 | 2.181 | 0.029 |
| 15 | 36 | 2.129 | 2.204 | 0.075 |
| 15 | 37 | 2.169 | 2.205 | 0.036 |
| 15 | 38 | 2.130 | 2.163 | 0.033 |
| 15 | 39 | 2.136 | 2.170 | 0.034 |
| 30 | 40 | 2.134 | 2.174 | 0.040 |
| 30 | 41 | 2.139 | 2.180 | 0.041 |
| 30 | 42 | 2.118 | 2.154 | 0.036 |
| 30 | 43 | 2.120 | 2.156 | 0.036 |
| 30 | 44 | 2.138 | 2.177 | 0.039 |
| 35 | 45 | 2.130 | 2.188 | 0.058 |
| 35 | 46 | 2.053 | 2.206 | 0.153 |
| 35 | 47 | 2.117 | 2.170 | 0.053 |
| 35 | 48 | 2.127 | 2.180 | 0.053 |
| 35 | 49 | 2.133 | 2.186 | 0.053 |
| 50 | 50 | 2.130 | 2.177 | 0.047 |
| 50 | 51 | 2.112 | 2.160 | 0.048 |
| 50 | 52 | 2.143 | 2.189 | 0.046 |
| 50 | 53 | 2.141 | 2.192 | 0.051 |
| 50 | 54 | 2.125 | 2.181 | 0.056 |
| 55 | 55 | 2.121 | 2.178 | 0.057 |
| 55 | 56 | 1.998 | 2.195 | 0.197 |
| 55 | 57 | 2.113 | 2.167 | 0.054 |
| 55 | 58 | 2.111 | 2.178 | 0.067 |
| 55 | 59 | 2.107 | 2.173 | 0.066 |
| 100 | 60 | 2.079 | 2.156 | 0.077 |
| 100 | 61 | 2.090 | 2.171 | 0.081 |
| 100 | 62 | 2.116 | 2.194 | 0.078 |
| 100 | 63 | 2.079 | 2.155 | 0.076 |
| 100 | 64 | 2.119 | 2.197 | 0.078 |
| 105 | 65 | 2.080 | 2.157 | 0.077 |
| 105 | 66 | 2.092 | 2.174 | 0.082 |
| 105 | 67 | 1.920 | 2.189 | 0.269 |
| 105 | 68 | 1.901 | 2.161 | 0.260 |
| 105 | 69 | 2.108 | 2.189 | 0.081 |
| | Max | 2.210 | 2.206 | 0.269 |
| | Average | 2.123 | 2.176 | 0.053 |
| | Min | 1.901 | 2.154 | -0.004 |
| | Std Dev | 0.055 | 0.015 | 0.056 |




| | 6.122_OL_10mA_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.159 | 2.158 | 2.162 | 2.160 | 2.163 | 2.154 | 2.170 | 2.160 | 2.167 | 2.155 | 2.157 |
| Average | 2.180 | 2.177 | 2.169 | 2.163 | 2.185 | 2.168 | 2.186 | 2.180 | 2.178 | 2.175 | 2.174 |
| Max | 2.206 | 2.190 | 2.188 | 2.168 | 2.205 | 2.180 | 2.206 | 2.192 | 2.195 | 2.197 | 2.189 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

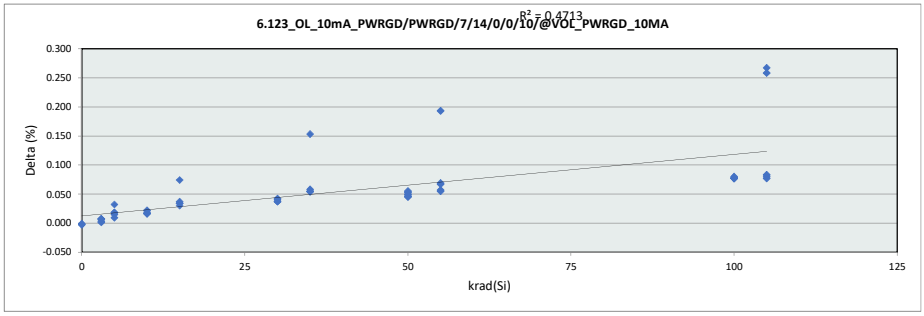


# TID HDR Report
# TPS7H3014-SP

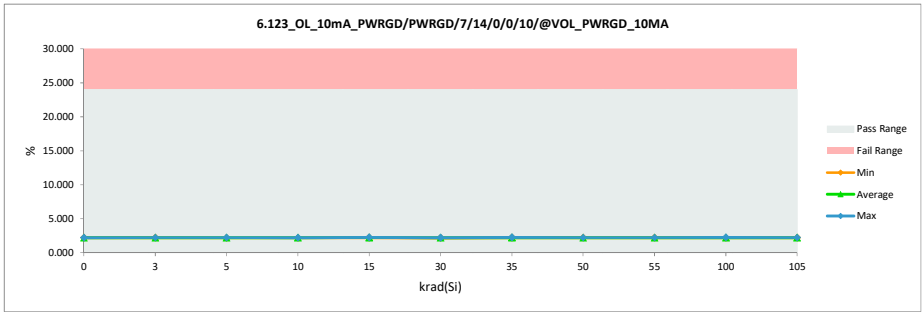
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.123_OL_10mA_PWRGD/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 24 | 24 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.195 | 2.192 | -0.003 |
| 0 | 14 | 2.196 | 2.194 | -0.002 |
| 0 | 15 | 2.178 | 2.177 | -0.001 |
| 3 | 20 | 2.215 | 2.216 | 0.001 |
| 3 | 21 | 2.185 | 2.188 | 0.003 |
| 3 | 22 | 2.166 | 2.173 | 0.007 |
| 3 | 23 | 2.179 | 2.186 | 0.007 |
| 3 | 24 | 2.189 | 2.196 | 0.007 |
| 5 | 25 | 2.160 | 2.169 | 0.009 |
| 5 | 26 | 2.153 | 2.168 | 0.015 |
| 5 | 27 | 2.184 | 2.216 | 0.032 |
| 5 | 28 | 2.156 | 2.174 | 0.018 |
| 5 | 29 | 2.154 | 2.172 | 0.018 |
| 10 | 30 | 2.152 | 2.171 | 0.019 |
| 10 | 31 | 2.153 | 2.169 | 0.016 |
| 10 | 32 | 2.166 | 2.182 | 0.016 |
| 10 | 33 | 2.177 | 2.194 | 0.017 |
| 10 | 34 | 2.150 | 2.172 | 0.022 |
| 15 | 35 | 2.169 | 2.199 | 0.030 |
| 15 | 36 | 2.122 | 2.196 | 0.074 |
| 15 | 37 | 2.194 | 2.231 | 0.037 |
| 15 | 38 | 2.152 | 2.186 | 0.034 |
| 15 | 39 | 2.142 | 2.176 | 0.034 |
| 30 | 40 | 2.153 | 2.195 | 0.042 |
| 30 | 41 | 2.145 | 2.187 | 0.042 |
| 30 | 42 | 2.118 | 2.155 | 0.037 |
| 30 | 43 | 2.129 | 2.166 | 0.037 |
| 30 | 44 | 2.146 | 2.186 | 0.040 |
| 35 | 45 | 2.148 | 2.206 | 0.058 |
| 35 | 46 | 2.070 | 2.223 | 0.153 |
| 35 | 47 | 2.136 | 2.190 | 0.054 |
| 35 | 48 | 2.132 | 2.186 | 0.054 |
| 35 | 49 | 2.153 | 2.208 | 0.055 |
| 50 | 50 | 2.141 | 2.186 | 0.045 |
| 50 | 51 | 2.135 | 2.184 | 0.049 |
| 50 | 52 | 2.161 | 2.207 | 0.046 |
| 50 | 53 | 2.143 | 2.195 | 0.052 |
| 50 | 54 | 2.126 | 2.181 | 0.055 |
| 55 | 55 | 2.135 | 2.192 | 0.057 |
| 55 | 56 | 2.003 | 2.196 | 0.193 |
| 55 | 57 | 2.131 | 2.186 | 0.055 |
| 55 | 58 | 2.121 | 2.190 | 0.069 |
| 55 | 59 | 2.126 | 2.193 | 0.067 |
| 100 | 60 | 2.085 | 2.162 | 0.077 |
| 100 | 61 | 2.094 | 2.174 | 0.080 |
| 100 | 62 | 2.139 | 2.216 | 0.077 |
| 100 | 63 | 2.099 | 2.176 | 0.077 |
| 100 | 64 | 2.144 | 2.222 | 0.078 |
| 105 | 65 | 2.095 | 2.172 | 0.077 |
| 105 | 66 | 2.104 | 2.187 | 0.083 |
| 105 | 67 | 1.939 | 2.206 | 0.267 |
| 105 | 68 | 1.916 | 2.174 | 0.258 |
| 105 | 69 | 2.109 | 2.189 | 0.080 |
| | Max | 2.215 | 2.231 | 0.267 |
| | Average | 2.135 | 2.188 | 0.053 |
| | Min | 1.916 | 2.155 | -0.003 |
| | Std Dev | 0.055 | 0.017 | 0.055 |




| | 6.123_OL_10mA_PWRGD | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 24 | % | | | | | | | | | |
| Min Limit | 0 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.177 | 2.173 | 2.168 | 2.169 | 2.176 | 2.155 | 2.186 | 2.181 | 2.186 | 2.162 | 2.172 |
| Average | 2.188 | 2.192 | 2.180 | 2.178 | 2.198 | 2.178 | 2.203 | 2.191 | 2.191 | 2.190 | 2.186 |
| Max | 2.194 | 2.216 | 2.216 | 2.194 | 2.231 | 2.195 | 2.223 | 2.207 | 2.196 | 2.222 | 2.206 |
| UL | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 | 24.000 |

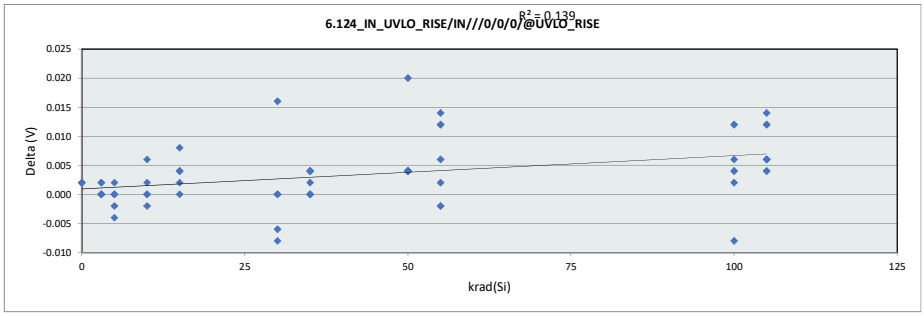


# TID HDR Report
# TPS7H3014-SP

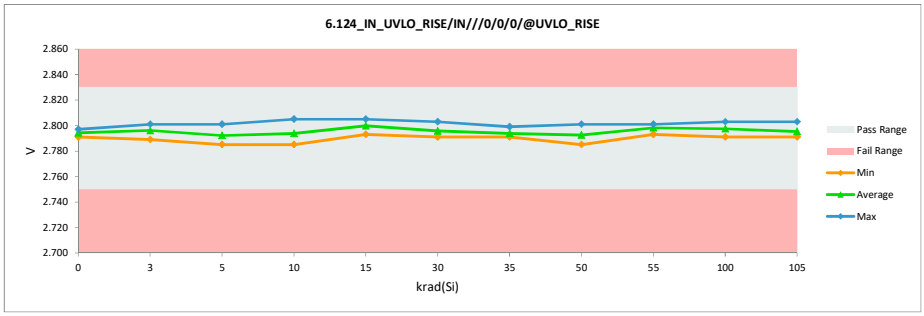
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.124_IN_UVLO_RISE/IN/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2.84 | 2.83 |
| Min Limit | 2.74 | 2.75 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.789 | 2.791 | 0.002 |
| 0 | 14 | 2.795 | 2.797 | 0.002 |
| 0 | 15 | 2.793 | 2.795 | 0.002 |
| 3 | 20 | 2.801 | 2.801 | 0.000 |
| 3 | 21 | 2.797 | 2.797 | 0.000 |
| 3 | 22 | 2.797 | 2.797 | 0.000 |
| 3 | 23 | 2.787 | 2.789 | 0.002 |
| 3 | 24 | 2.795 | 2.797 | 0.002 |
| 5 | 25 | 2.801 | 2.801 | 0.000 |
| 5 | 26 | 2.791 | 2.793 | 0.002 |
| 5 | 27 | 2.793 | 2.793 | 0.000 |
| 5 | 28 | 2.793 | 2.789 | -0.004 |
| 5 | 29 | 2.787 | 2.785 | -0.002 |
| 10 | 30 | 2.785 | 2.785 | 0.000 |
| 10 | 31 | 2.799 | 2.805 | 0.006 |
| 10 | 32 | 2.789 | 2.787 | -0.002 |
| 10 | 33 | 2.797 | 2.799 | 0.002 |
| 10 | 34 | 2.793 | 2.793 | 0.000 |
| 15 | 35 | 2.789 | 2.793 | 0.004 |
| 15 | 36 | 2.799 | 2.803 | 0.004 |
| 15 | 37 | 2.793 | 2.795 | 0.002 |
| 15 | 38 | 2.805 | 2.805 | 0.000 |
| 15 | 39 | 2.795 | 2.803 | 0.008 |
| 30 | 40 | 2.799 | 2.791 | -0.008 |
| 30 | 41 | 2.787 | 2.803 | 0.016 |
| 30 | 42 | 2.797 | 2.791 | -0.006 |
| 30 | 43 | 2.795 | 2.795 | 0.000 |
| 30 | 44 | 2.799 | 2.799 | 0.000 |
| 35 | 45 | 2.799 | 2.799 | 0.000 |
| 35 | 46 | 2.787 | 2.791 | 0.004 |
| 35 | 47 | 2.791 | 2.793 | 0.002 |
| 35 | 48 | 2.789 | 2.793 | 0.004 |
| 35 | 49 | 2.793 | 2.793 | 0.000 |
| 50 | 50 | 2.791 | 2.795 | 0.004 |
| 50 | 51 | 2.789 | 2.793 | 0.004 |
| 50 | 52 | 2.781 | 2.785 | 0.004 |
| 50 | 53 | 2.781 | 2.801 | 0.020 |
| 50 | 54 | 2.785 | 2.789 | 0.004 |
| 55 | 55 | 2.799 | 2.797 | -0.002 |
| 55 | 56 | 2.787 | 2.801 | 0.014 |
| 55 | 57 | 2.789 | 2.801 | 0.012 |
| 55 | 58 | 2.787 | 2.793 | 0.006 |
| 55 | 59 | 2.797 | 2.799 | 0.002 |
| 100 | 60 | 2.791 | 2.803 | 0.012 |
| 100 | 61 | 2.793 | 2.799 | 0.006 |
| 100 | 62 | 2.803 | 2.795 | -0.008 |
| 100 | 63 | 2.789 | 2.791 | 0.002 |
| 100 | 64 | 2.795 | 2.799 | 0.004 |
| 105 | 65 | 2.787 | 2.799 | 0.012 |
| 105 | 66 | 2.785 | 2.791 | 0.006 |
| 105 | 67 | 2.789 | 2.803 | 0.014 |
| 105 | 68 | 2.785 | 2.791 | 0.006 |
| 105 | 69 | 2.789 | 2.793 | 0.004 |
| | Max | 2.805 | 2.805 | 0.020 |
| | Average | 2.792 | 2.795 | 0.003 |
| | Min | 2.781 | 2.785 | -0.008 |
| | Std Dev | 0.006 | 0.005 | 0.006 |




| | 6.124_IN_UVLO_RISE/IN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 2.83 | V | | | | | | | | | |
| Min Limit | 2.75 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 | 2.750 |
| Min | 2.791 | 2.789 | 2.785 | 2.785 | 2.793 | 2.791 | 2.791 | 2.785 | 2.793 | 2.791 | 2.791 |
| Average | 2.794 | 2.796 | 2.792 | 2.794 | 2.800 | 2.796 | 2.794 | 2.793 | 2.798 | 2.797 | 2.795 |
| Max | 2.797 | 2.801 | 2.801 | 2.805 | 2.805 | 2.803 | 2.799 | 2.801 | 2.801 | 2.803 | 2.803 |
| UL | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 | 2.830 |

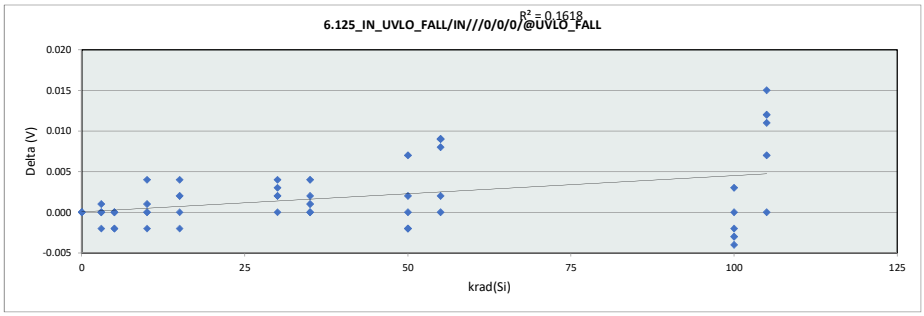


# TID HDR Report
# TPS7H3014-SP

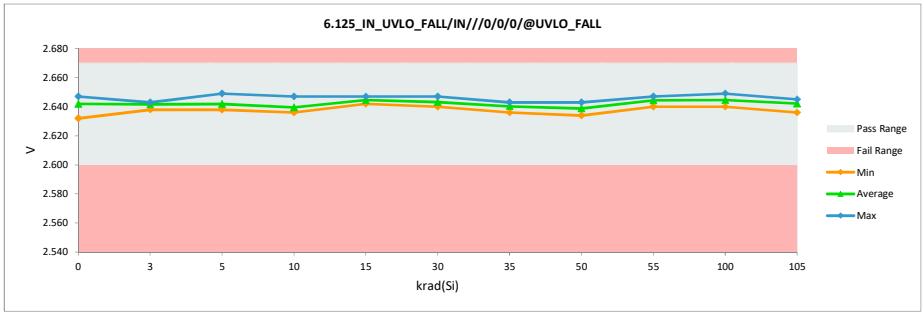
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.125_IN_UVLO_FALL/IN/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2.68 | 2.67 |
| Min Limit | 2.59 | 2.6 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.632 | 2.632 | 0.000 |
| 0 | 14 | 2.647 | 2.647 | 0.000 |
| 0 | 15 | 2.647 | 2.647 | 0.000 |
| 3 | 20 | 2.642 | 2.643 | 0.001 |
| 3 | 21 | 2.643 | 2.643 | 0.000 |
| 3 | 22 | 2.642 | 2.642 | 0.000 |
| 3 | 23 | 2.640 | 2.638 | -0.002 |
| 3 | 24 | 2.642 | 2.642 | 0.000 |
| 5 | 25 | 2.649 | 2.649 | 0.000 |
| 5 | 26 | 2.642 | 2.640 | -0.002 |
| 5 | 27 | 2.642 | 2.642 | 0.000 |
| 5 | 28 | 2.638 | 2.638 | 0.000 |
| 5 | 29 | 2.642 | 2.640 | -0.002 |
| 10 | 30 | 2.632 | 2.636 | 0.004 |
| 10 | 31 | 2.647 | 2.647 | 0.000 |
| 10 | 32 | 2.636 | 2.636 | 0.000 |
| 10 | 33 | 2.642 | 2.643 | 0.001 |
| 10 | 34 | 2.638 | 2.636 | -0.002 |
| 15 | 35 | 2.638 | 2.642 | 0.004 |
| 15 | 36 | 2.642 | 2.642 | 0.000 |
| 15 | 37 | 2.643 | 2.645 | 0.002 |
| 15 | 38 | 2.649 | 2.647 | -0.002 |
| 15 | 39 | 2.645 | 2.647 | 0.002 |
| 30 | 40 | 2.640 | 2.640 | 0.000 |
| 30 | 41 | 2.643 | 2.647 | 0.004 |
| 30 | 42 | 2.640 | 2.642 | 0.002 |
| 30 | 43 | 2.642 | 2.645 | 0.003 |
| 30 | 44 | 2.640 | 2.642 | 0.002 |
| 35 | 45 | 2.642 | 2.642 | 0.000 |
| 35 | 46 | 2.634 | 2.636 | 0.002 |
| 35 | 47 | 2.638 | 2.642 | 0.004 |
| 35 | 48 | 2.638 | 2.638 | 0.000 |
| 35 | 49 | 2.642 | 2.643 | 0.001 |
| 50 | 50 | 2.645 | 2.643 | -0.002 |
| 50 | 51 | 2.638 | 2.636 | -0.002 |
| 50 | 52 | 2.634 | 2.634 | 0.000 |
| 50 | 53 | 2.636 | 2.643 | 0.007 |
| 50 | 54 | 2.636 | 2.638 | 0.002 |
| 55 | 55 | 2.645 | 2.645 | 0.000 |
| 55 | 56 | 2.636 | 2.645 | 0.009 |
| 55 | 57 | 2.636 | 2.645 | 0.009 |
| 55 | 58 | 2.632 | 2.640 | 0.008 |
| 55 | 59 | 2.645 | 2.647 | 0.002 |
| 100 | 60 | 2.640 | 2.643 | 0.003 |
| 100 | 61 | 2.645 | 2.642 | -0.003 |
| 100 | 62 | 2.653 | 2.649 | -0.004 |
| 100 | 63 | 2.642 | 2.640 | -0.002 |
| 100 | 64 | 2.649 | 2.649 | 0.000 |
| 105 | 65 | 2.630 | 2.642 | 0.012 |
| 105 | 66 | 2.636 | 2.636 | 0.000 |
| 105 | 67 | 2.634 | 2.645 | 0.011 |
| 105 | 68 | 2.630 | 2.645 | 0.015 |
| 105 | 69 | 2.636 | 2.643 | 0.007 |
| | Max | 2.653 | 2.649 | 0.015 |
| | Average | 2.640 | 2.642 | 0.002 |
| | Min | 2.630 | 2.632 | -0.004 |
| | Std Dev | 0.005 | 0.004 | 0.004 |




| | 6.125_IN_UVLO_FALL/IN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 2.67 | V | | | | | | | | | |
| Min Limit | 2.6 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 | 2.600 |
| Min | 2.632 | 2.638 | 2.638 | 2.636 | 2.642 | 2.640 | 2.636 | 2.634 | 2.640 | 2.640 | 2.636 |
| Average | 2.642 | 2.642 | 2.642 | 2.640 | 2.645 | 2.643 | 2.640 | 2.639 | 2.644 | 2.645 | 2.642 |
| Max | 2.647 | 2.643 | 2.649 | 2.647 | 2.647 | 2.647 | 2.643 | 2.643 | 2.647 | 2.649 | 2.645 |
| UL | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 | 2.670 |

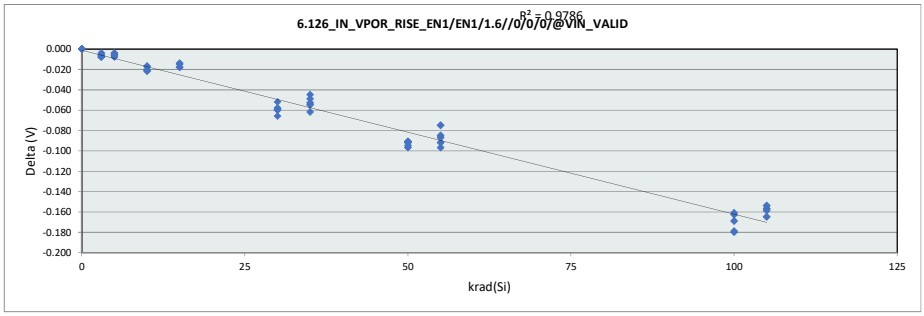


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

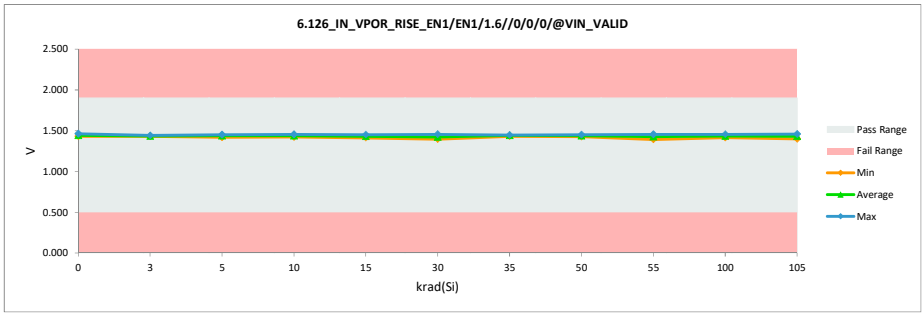
| | 6.126_IN_VPOR_RISE_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.461 | 1.461 | 0.000 |
| 0 | 14 | 1.437 | 1.437 | 0.000 |
| 0 | 15 | 1.430 | 1.430 | 0.000 |
| 3 | 20 | 1.437 | 1.431 | -0.006 |
| 3 | 21 | 1.437 | 1.433 | -0.004 |
| 3 | 22 | 1.439 | 1.431 | -0.008 |
| 3 | 23 | 1.449 | 1.441 | -0.008 |
| 3 | 24 | 1.437 | 1.431 | -0.006 |
| 5 | 25 | 1.449 | 1.443 | -0.006 |
| 5 | 26 | 1.457 | 1.449 | -0.008 |
| 5 | 27 | 1.435 | 1.430 | -0.005 |
| 5 | 28 | 1.422 | 1.416 | -0.006 |
| 5 | 29 | 1.449 | 1.445 | -0.004 |
| 10 | 30 | 1.465 | 1.445 | -0.020 |
| 10 | 31 | 1.439 | 1.422 | -0.017 |
| 10 | 32 | 1.455 | 1.433 | -0.022 |
| 10 | 33 | 1.443 | 1.426 | -0.017 |
| 10 | 34 | 1.474 | 1.453 | -0.021 |
| 15 | 35 | 1.466 | 1.451 | -0.015 |
| 15 | 36 | 1.430 | 1.412 | -0.018 |
| 15 | 37 | 1.457 | 1.439 | -0.018 |
| 15 | 38 | 1.430 | 1.416 | -0.014 |
| 15 | 39 | 1.455 | 1.437 | -0.018 |
| 30 | 40 | 1.478 | 1.418 | -0.060 |
| 30 | 41 | 1.476 | 1.416 | -0.060 |
| 30 | 42 | 1.486 | 1.428 | -0.058 |
| 30 | 43 | 1.461 | 1.395 | -0.066 |
| 30 | 44 | 1.507 | 1.455 | -0.052 |
| 35 | 45 | 1.490 | 1.441 | -0.049 |
| 35 | 46 | 1.490 | 1.437 | -0.053 |
| 35 | 47 | 1.492 | 1.447 | -0.045 |
| 35 | 48 | 1.505 | 1.443 | -0.062 |
| 35 | 49 | 1.486 | 1.431 | -0.055 |
| 50 | 50 | 1.540 | 1.449 | -0.091 |
| 50 | 51 | 1.532 | 1.437 | -0.095 |
| 50 | 52 | 1.532 | 1.441 | -0.091 |
| 50 | 53 | 1.521 | 1.424 | -0.097 |
| 50 | 54 | 1.523 | 1.431 | -0.092 |
| 55 | 55 | 1.523 | 1.426 | -0.097 |
| 55 | 56 | 1.478 | 1.391 | -0.087 |
| 55 | 57 | 1.529 | 1.437 | -0.092 |
| 55 | 58 | 1.538 | 1.453 | -0.085 |
| 55 | 59 | 1.503 | 1.428 | -0.075 |
| 100 | 60 | 1.624 | 1.445 | -0.179 |
| 100 | 61 | 1.635 | 1.455 | -0.180 |
| 100 | 62 | 1.589 | 1.426 | -0.163 |
| 100 | 63 | 1.583 | 1.414 | -0.169 |
| 100 | 64 | 1.591 | 1.430 | -0.161 |
| 105 | 65 | 1.556 | 1.397 | -0.159 |
| 105 | 66 | 1.569 | 1.412 | -0.157 |
| 105 | 67 | 1.614 | 1.457 | -0.157 |
| 105 | 68 | 1.595 | 1.441 | -0.154 |
| 105 | 69 | 1.606 | 1.441 | -0.165 |
| | Max | 1.635 | 1.461 | 0.000 |
| | Average | 1.496 | 1.433 | -0.063 |
| | Min | 1.422 | 1.391 | -0.180 |
| | Std Dev | 0.059 | 0.016 | 0.058 |




| | 6.126_IN_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.9 | V |
| Min Limit | 0.5 | V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.430 | 1.431 | 1.416 | 1.422 | 1.412 | 1.395 | 1.431 | 1.424 | 1.391 | 1.414 | 1.397 |
| Average | 1.443 | 1.433 | 1.437 | 1.436 | 1.431 | 1.422 | 1.440 | 1.436 | 1.427 | 1.434 | 1.430 |
| Max | 1.461 | 1.441 | 1.449 | 1.453 | 1.451 | 1.455 | 1.447 | 1.449 | 1.453 | 1.455 | 1.457 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

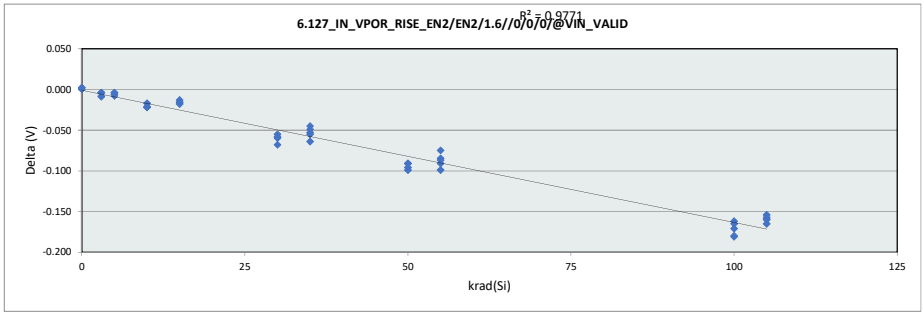


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

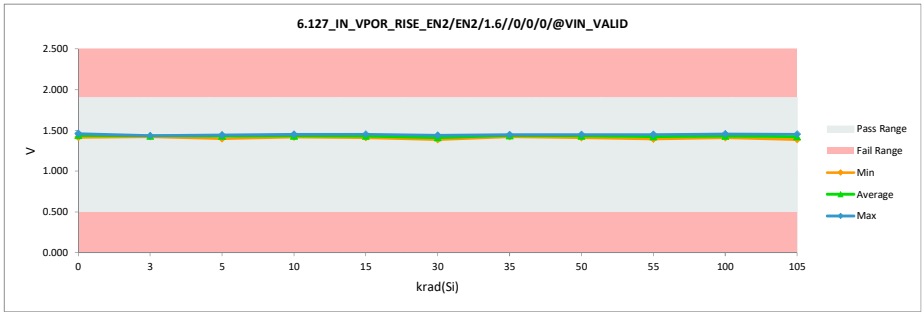
| | 6.127_IN_VPOR_RISE_EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | V |
| Max Limit | 2 |
| Min Limit | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.457 | 1.459 | 0.002 |
| 0 | 14 | 1.437 | 1.439 | 0.002 |
| 0 | 15 | 1.416 | 1.416 | 0.000 |
| 3 | 20 | 1.439 | 1.435 | -0.004 |
| 3 | 21 | 1.435 | 1.431 | -0.004 |
| 3 | 22 | 1.433 | 1.424 | -0.009 |
| 3 | 23 | 1.443 | 1.435 | -0.008 |
| 3 | 24 | 1.439 | 1.435 | -0.004 |
| 5 | 25 | 1.443 | 1.437 | -0.006 |
| 5 | 26 | 1.451 | 1.443 | -0.008 |
| 5 | 27 | 1.439 | 1.435 | -0.004 |
| 5 | 28 | 1.404 | 1.398 | -0.006 |
| 5 | 29 | 1.445 | 1.441 | -0.004 |
| 10 | 30 | 1.459 | 1.437 | -0.022 |
| 10 | 31 | 1.439 | 1.422 | -0.017 |
| 10 | 32 | 1.457 | 1.435 | -0.022 |
| 10 | 33 | 1.437 | 1.420 | -0.017 |
| 10 | 34 | 1.472 | 1.451 | -0.021 |
| 15 | 35 | 1.466 | 1.453 | -0.013 |
| 15 | 36 | 1.433 | 1.416 | -0.017 |
| 15 | 37 | 1.463 | 1.445 | -0.018 |
| 15 | 38 | 1.428 | 1.412 | -0.016 |
| 15 | 39 | 1.439 | 1.424 | -0.015 |
| 30 | 40 | 1.463 | 1.404 | -0.059 |
| 30 | 41 | 1.470 | 1.410 | -0.060 |
| 30 | 42 | 1.476 | 1.418 | -0.058 |
| 30 | 43 | 1.455 | 1.387 | -0.068 |
| 30 | 44 | 1.494 | 1.439 | -0.055 |
| 35 | 45 | 1.488 | 1.439 | -0.049 |
| 35 | 46 | 1.490 | 1.437 | -0.053 |
| 35 | 47 | 1.492 | 1.447 | -0.045 |
| 35 | 48 | 1.488 | 1.424 | -0.064 |
| 35 | 49 | 1.492 | 1.437 | -0.055 |
| 50 | 50 | 1.540 | 1.449 | -0.091 |
| 50 | 51 | 1.527 | 1.431 | -0.096 |
| 50 | 52 | 1.534 | 1.443 | -0.091 |
| 50 | 53 | 1.509 | 1.410 | -0.099 |
| 50 | 54 | 1.517 | 1.426 | -0.091 |
| 55 | 55 | 1.517 | 1.418 | -0.099 |
| 55 | 56 | 1.480 | 1.393 | -0.087 |
| 55 | 57 | 1.521 | 1.430 | -0.091 |
| 55 | 58 | 1.534 | 1.449 | -0.085 |
| 55 | 59 | 1.499 | 1.424 | -0.075 |
| 100 | 60 | 1.612 | 1.431 | -0.181 |
| 100 | 61 | 1.635 | 1.455 | -0.180 |
| 100 | 62 | 1.593 | 1.428 | -0.165 |
| 100 | 63 | 1.581 | 1.410 | -0.171 |
| 100 | 64 | 1.593 | 1.431 | -0.162 |
| 105 | 65 | 1.546 | 1.387 | -0.159 |
| 105 | 66 | 1.558 | 1.398 | -0.160 |
| 105 | 67 | 1.610 | 1.453 | -0.157 |
| 105 | 68 | 1.589 | 1.435 | -0.154 |
| 105 | 69 | 1.606 | 1.441 | -0.165 |
| | Max | 1.635 | 1.459 | 0.002 |
| | Average | 1.492 | 1.429 | -0.063 |
| | Min | 1.404 | 1.387 | -0.181 |
| | Std Dev | 0.059 | 0.017 | 0.059 |




| | 6.127_IN_VPOR_RISE_E |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 1.9 V |
| Min Limit | 0.5 V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.416 | 1.424 | 1.398 | 1.420 | 1.412 | 1.387 | 1.424 | 1.410 | 1.393 | 1.410 | 1.387 |
| Average | 1.438 | 1.432 | 1.431 | 1.433 | 1.430 | 1.412 | 1.437 | 1.432 | 1.423 | 1.431 | 1.423 |
| Max | 1.459 | 1.435 | 1.443 | 1.451 | 1.453 | 1.439 | 1.447 | 1.449 | 1.449 | 1.455 | 1.453 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

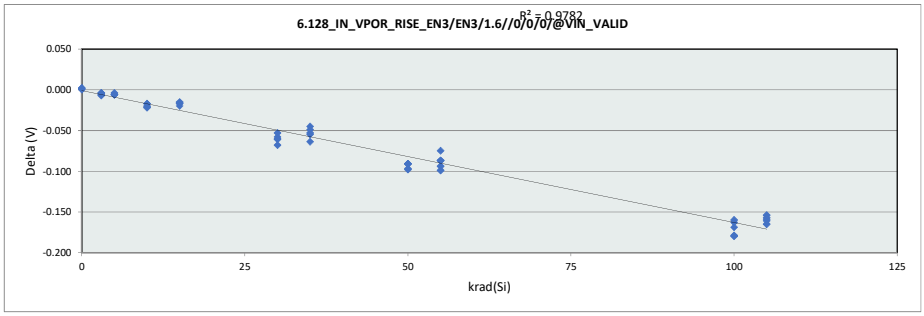


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

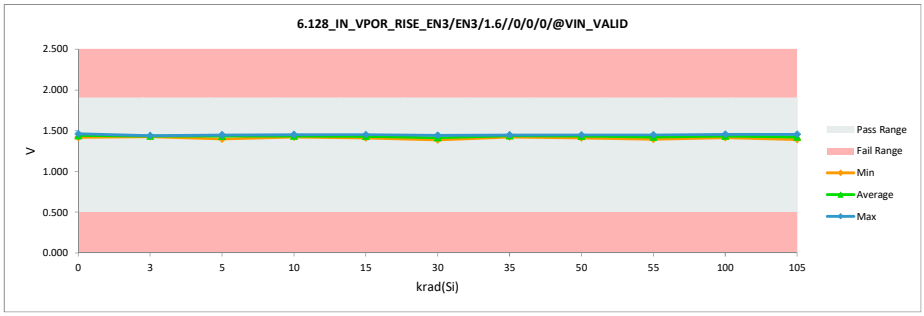
| | 6.128_IN_VPOR_RISE_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.459 | 1.461 | 0.002 |
| 0 | 14 | 1.437 | 1.439 | 0.002 |
| 0 | 15 | 1.420 | 1.420 | 0.000 |
| 3 | 20 | 1.439 | 1.435 | -0.004 |
| 3 | 21 | 1.435 | 1.431 | -0.004 |
| 3 | 22 | 1.433 | 1.426 | -0.007 |
| 3 | 23 | 1.445 | 1.439 | -0.006 |
| 3 | 24 | 1.441 | 1.435 | -0.006 |
| 5 | 25 | 1.445 | 1.439 | -0.006 |
| 5 | 26 | 1.451 | 1.445 | -0.006 |
| 5 | 27 | 1.441 | 1.437 | -0.004 |
| 5 | 28 | 1.404 | 1.398 | -0.006 |
| 5 | 29 | 1.449 | 1.443 | -0.006 |
| 10 | 30 | 1.459 | 1.439 | -0.020 |
| 10 | 31 | 1.441 | 1.424 | -0.017 |
| 10 | 32 | 1.457 | 1.435 | -0.022 |
| 10 | 33 | 1.439 | 1.422 | -0.017 |
| 10 | 34 | 1.472 | 1.451 | -0.021 |
| 15 | 35 | 1.468 | 1.453 | -0.015 |
| 15 | 36 | 1.433 | 1.416 | -0.017 |
| 15 | 37 | 1.465 | 1.445 | -0.020 |
| 15 | 38 | 1.428 | 1.412 | -0.016 |
| 15 | 39 | 1.439 | 1.422 | -0.017 |
| 30 | 40 | 1.465 | 1.404 | -0.061 |
| 30 | 41 | 1.472 | 1.412 | -0.060 |
| 30 | 42 | 1.478 | 1.420 | -0.058 |
| 30 | 43 | 1.455 | 1.387 | -0.068 |
| 30 | 44 | 1.494 | 1.441 | -0.053 |
| 35 | 45 | 1.490 | 1.441 | -0.049 |
| 35 | 46 | 1.490 | 1.437 | -0.053 |
| 35 | 47 | 1.492 | 1.447 | -0.045 |
| 35 | 48 | 1.488 | 1.424 | -0.064 |
| 35 | 49 | 1.494 | 1.439 | -0.055 |
| 50 | 50 | 1.540 | 1.449 | -0.091 |
| 50 | 51 | 1.531 | 1.433 | -0.098 |
| 50 | 52 | 1.534 | 1.443 | -0.091 |
| 50 | 53 | 1.507 | 1.410 | -0.097 |
| 50 | 54 | 1.519 | 1.428 | -0.091 |
| 55 | 55 | 1.517 | 1.418 | -0.099 |
| 55 | 56 | 1.482 | 1.395 | -0.087 |
| 55 | 57 | 1.525 | 1.431 | -0.094 |
| 55 | 58 | 1.536 | 1.449 | -0.087 |
| 55 | 59 | 1.499 | 1.424 | -0.075 |
| 100 | 60 | 1.614 | 1.435 | -0.179 |
| 100 | 61 | 1.635 | 1.455 | -0.180 |
| 100 | 62 | 1.591 | 1.428 | -0.163 |
| 100 | 63 | 1.585 | 1.416 | -0.169 |
| 100 | 64 | 1.593 | 1.433 | -0.160 |
| 105 | 65 | 1.550 | 1.391 | -0.159 |
| 105 | 66 | 1.558 | 1.397 | -0.161 |
| 105 | 67 | 1.612 | 1.455 | -0.157 |
| 105 | 68 | 1.587 | 1.433 | -0.154 |
| 105 | 69 | 1.606 | 1.441 | -0.165 |
| | Max | 1.635 | 1.461 | 0.002 |
| | Average | 1.493 | 1.430 | -0.063 |
| | Min | 1.404 | 1.387 | -0.180 |
| | Std Dev | 0.059 | 0.017 | 0.059 |




| | 6.128_IN_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.9 | V |
| Min Limit | 0.5 | V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.420 | 1.426 | 1.398 | 1.422 | 1.412 | 1.387 | 1.424 | 1.410 | 1.395 | 1.416 | 1.391 |
| Average | 1.440 | 1.433 | 1.432 | 1.434 | 1.430 | 1.413 | 1.438 | 1.433 | 1.423 | 1.433 | 1.423 |
| Max | 1.461 | 1.439 | 1.445 | 1.451 | 1.453 | 1.441 | 1.447 | 1.449 | 1.449 | 1.455 | 1.455 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

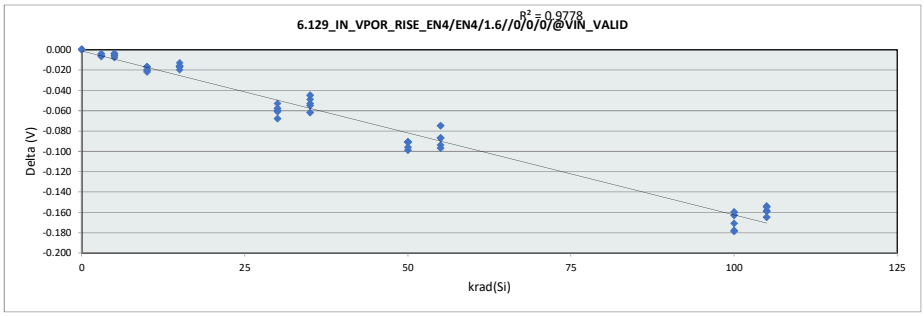


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

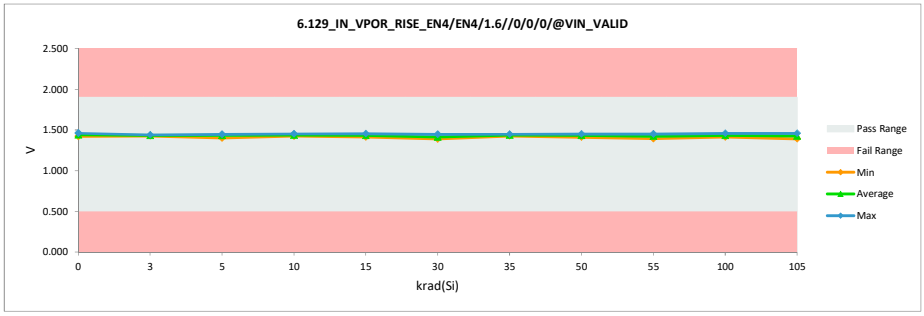
| | 6.129_IN_VPOR_RISE_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.459 | 1.459 | 0.000 |
| 0 | 14 | 1.439 | 1.439 | 0.000 |
| 0 | 15 | 1.420 | 1.420 | 0.000 |
| 3 | 20 | 1.441 | 1.435 | -0.006 |
| 3 | 21 | 1.435 | 1.431 | -0.004 |
| 3 | 22 | 1.433 | 1.426 | -0.007 |
| 3 | 23 | 1.445 | 1.439 | -0.006 |
| 3 | 24 | 1.441 | 1.435 | -0.006 |
| 5 | 25 | 1.447 | 1.441 | -0.006 |
| 5 | 26 | 1.453 | 1.445 | -0.008 |
| 5 | 27 | 1.441 | 1.437 | -0.004 |
| 5 | 28 | 1.406 | 1.400 | -0.006 |
| 5 | 29 | 1.449 | 1.445 | -0.004 |
| 10 | 30 | 1.459 | 1.439 | -0.020 |
| 10 | 31 | 1.443 | 1.426 | -0.017 |
| 10 | 32 | 1.457 | 1.435 | -0.022 |
| 10 | 33 | 1.441 | 1.424 | -0.017 |
| 10 | 34 | 1.472 | 1.451 | -0.021 |
| 15 | 35 | 1.466 | 1.453 | -0.013 |
| 15 | 36 | 1.437 | 1.420 | -0.017 |
| 15 | 37 | 1.465 | 1.445 | -0.020 |
| 15 | 38 | 1.428 | 1.412 | -0.016 |
| 15 | 39 | 1.439 | 1.422 | -0.017 |
| 30 | 40 | 1.465 | 1.404 | -0.061 |
| 30 | 41 | 1.472 | 1.412 | -0.060 |
| 30 | 42 | 1.482 | 1.424 | -0.058 |
| 30 | 43 | 1.457 | 1.389 | -0.068 |
| 30 | 44 | 1.498 | 1.445 | -0.053 |
| 35 | 45 | 1.488 | 1.439 | -0.049 |
| 35 | 46 | 1.492 | 1.439 | -0.053 |
| 35 | 47 | 1.492 | 1.447 | -0.045 |
| 35 | 48 | 1.488 | 1.426 | -0.062 |
| 35 | 49 | 1.492 | 1.437 | -0.055 |
| 50 | 50 | 1.540 | 1.449 | -0.091 |
| 50 | 51 | 1.529 | 1.433 | -0.096 |
| 50 | 52 | 1.534 | 1.443 | -0.091 |
| 50 | 53 | 1.509 | 1.410 | -0.099 |
| 50 | 54 | 1.519 | 1.428 | -0.091 |
| 55 | 55 | 1.517 | 1.420 | -0.097 |
| 55 | 56 | 1.480 | 1.393 | -0.087 |
| 55 | 57 | 1.525 | 1.431 | -0.094 |
| 55 | 58 | 1.536 | 1.449 | -0.087 |
| 55 | 59 | 1.499 | 1.424 | -0.075 |
| 100 | 60 | 1.614 | 1.435 | -0.179 |
| 100 | 61 | 1.635 | 1.457 | -0.178 |
| 100 | 62 | 1.591 | 1.428 | -0.163 |
| 100 | 63 | 1.583 | 1.412 | -0.171 |
| 100 | 64 | 1.593 | 1.433 | -0.160 |
| 105 | 65 | 1.550 | 1.391 | -0.159 |
| 105 | 66 | 1.556 | 1.397 | -0.159 |
| 105 | 67 | 1.612 | 1.457 | -0.155 |
| 105 | 68 | 1.587 | 1.433 | -0.154 |
| 105 | 69 | 1.608 | 1.443 | -0.165 |
| | Max | 1.635 | 1.459 | 0.000 |
| | Average | 1.494 | 1.430 | -0.063 |
| | Min | 1.406 | 1.389 | -0.179 |
| | Std Dev | 0.059 | 0.017 | 0.058 |




| | 6.129_IN_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.9 | V |
| Min Limit | 0.5 | V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.420 | 1.426 | 1.400 | 1.424 | 1.412 | 1.389 | 1.426 | 1.410 | 1.393 | 1.412 | 1.391 |
| Average | 1.439 | 1.433 | 1.434 | 1.435 | 1.430 | 1.415 | 1.438 | 1.433 | 1.423 | 1.433 | 1.424 |
| Max | 1.459 | 1.439 | 1.445 | 1.451 | 1.453 | 1.445 | 1.447 | 1.449 | 1.449 | 1.457 | 1.457 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

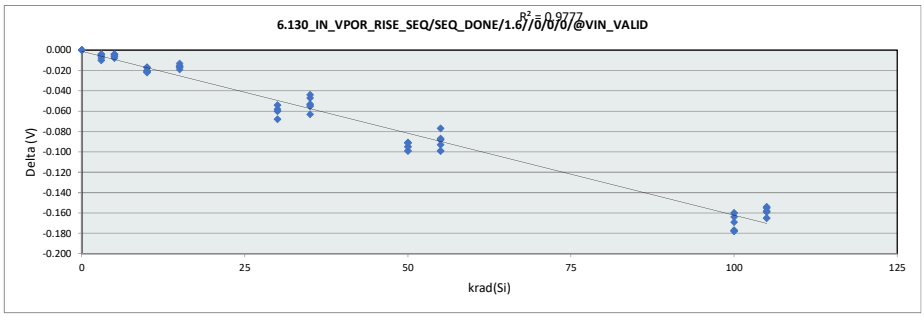


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

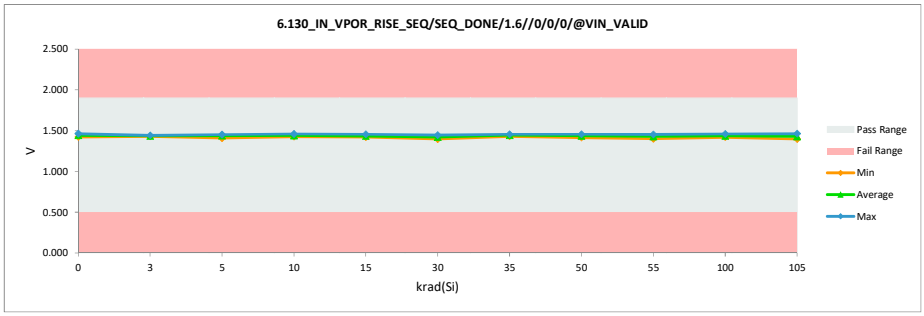
| | 6.130_IN_VPOR_RISE_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.463 | 1.463 | 0.000 |
| 0 | 14 | 1.443 | 1.443 | 0.000 |
| 0 | 15 | 1.422 | 1.422 | 0.000 |
| 3 | 20 | 1.445 | 1.441 | -0.004 |
| 3 | 21 | 1.439 | 1.435 | -0.004 |
| 3 | 22 | 1.441 | 1.431 | -0.010 |
| 3 | 23 | 1.451 | 1.443 | -0.008 |
| 3 | 24 | 1.445 | 1.439 | -0.006 |
| 5 | 25 | 1.451 | 1.445 | -0.006 |
| 5 | 26 | 1.455 | 1.447 | -0.008 |
| 5 | 27 | 1.455 | 1.451 | -0.004 |
| 5 | 28 | 1.414 | 1.408 | -0.006 |
| 5 | 29 | 1.449 | 1.445 | -0.004 |
| 10 | 30 | 1.463 | 1.443 | -0.020 |
| 10 | 31 | 1.445 | 1.428 | -0.017 |
| 10 | 32 | 1.465 | 1.443 | -0.022 |
| 10 | 33 | 1.447 | 1.430 | -0.017 |
| 10 | 34 | 1.480 | 1.459 | -0.021 |
| 15 | 35 | 1.470 | 1.455 | -0.015 |
| 15 | 36 | 1.437 | 1.420 | -0.017 |
| 15 | 37 | 1.470 | 1.451 | -0.019 |
| 15 | 38 | 1.435 | 1.422 | -0.013 |
| 15 | 39 | 1.447 | 1.431 | -0.016 |
| 30 | 40 | 1.476 | 1.416 | -0.060 |
| 30 | 41 | 1.478 | 1.418 | -0.060 |
| 30 | 42 | 1.488 | 1.430 | -0.058 |
| 30 | 43 | 1.465 | 1.397 | -0.068 |
| 30 | 44 | 1.499 | 1.445 | -0.054 |
| 35 | 45 | 1.496 | 1.449 | -0.047 |
| 35 | 46 | 1.498 | 1.445 | -0.053 |
| 35 | 47 | 1.499 | 1.455 | -0.044 |
| 35 | 48 | 1.494 | 1.431 | -0.063 |
| 35 | 49 | 1.494 | 1.439 | -0.055 |
| 50 | 50 | 1.546 | 1.455 | -0.091 |
| 50 | 51 | 1.534 | 1.439 | -0.095 |
| 50 | 52 | 1.538 | 1.447 | -0.091 |
| 50 | 53 | 1.513 | 1.414 | -0.099 |
| 50 | 54 | 1.519 | 1.428 | -0.091 |
| 55 | 55 | 1.523 | 1.424 | -0.099 |
| 55 | 56 | 1.488 | 1.400 | -0.088 |
| 55 | 57 | 1.532 | 1.439 | -0.093 |
| 55 | 58 | 1.540 | 1.453 | -0.087 |
| 55 | 59 | 1.507 | 1.430 | -0.077 |
| 100 | 60 | 1.620 | 1.443 | -0.177 |
| 100 | 61 | 1.637 | 1.459 | -0.178 |
| 100 | 62 | 1.595 | 1.431 | -0.164 |
| 100 | 63 | 1.587 | 1.418 | -0.169 |
| 100 | 64 | 1.595 | 1.435 | -0.160 |
| 105 | 65 | 1.556 | 1.397 | -0.159 |
| 105 | 66 | 1.560 | 1.402 | -0.158 |
| 105 | 67 | 1.618 | 1.463 | -0.155 |
| 105 | 68 | 1.591 | 1.437 | -0.154 |
| 105 | 69 | 1.612 | 1.447 | -0.165 |
| | Max | 1.637 | 1.463 | 0.000 |
| | Average | 1.499 | 1.435 | -0.063 |
| | Min | 1.414 | 1.397 | -0.178 |
| | Std Dev | 0.058 | 0.017 | 0.058 |




| | 6.130_IN_VPOR_RISE_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.9 | V |
| Min Limit | 0.5 | V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.422 | 1.431 | 1.408 | 1.428 | 1.420 | 1.397 | 1.431 | 1.414 | 1.400 | 1.418 | 1.397 |
| Average | 1.443 | 1.438 | 1.439 | 1.441 | 1.436 | 1.421 | 1.444 | 1.437 | 1.429 | 1.437 | 1.429 |
| Max | 1.463 | 1.443 | 1.451 | 1.459 | 1.455 | 1.445 | 1.455 | 1.455 | 1.453 | 1.459 | 1.463 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

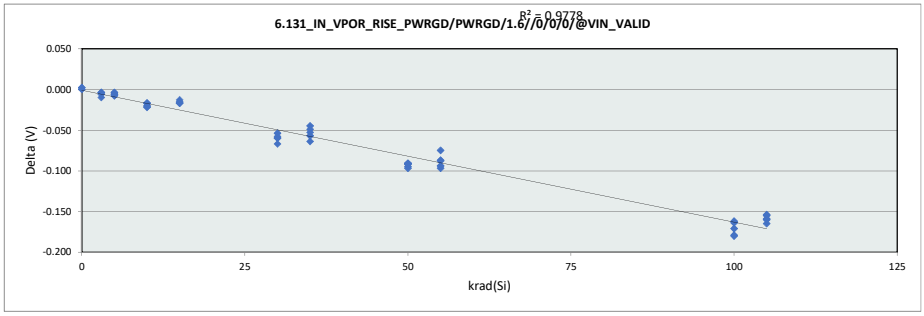


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

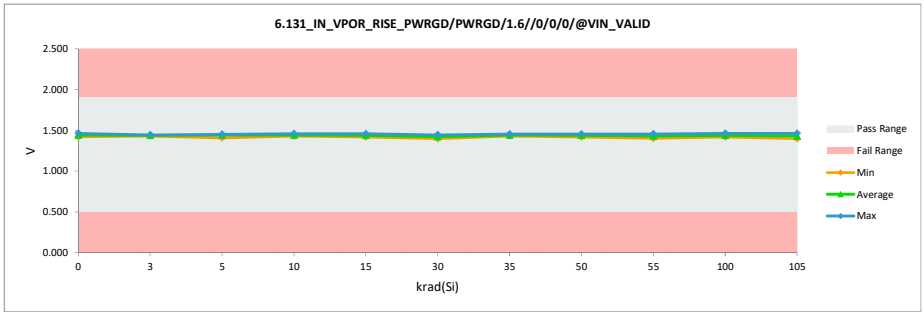
| | 6.131_IN_VPOR_RISE_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.461 | 1.463 | 0.002 |
| 0 | 14 | 1.445 | 1.447 | 0.002 |
| 0 | 15 | 1.420 | 1.420 | 0.000 |
| 3 | 20 | 1.445 | 1.441 | -0.004 |
| 3 | 21 | 1.439 | 1.435 | -0.004 |
| 3 | 22 | 1.441 | 1.431 | -0.010 |
| 3 | 23 | 1.451 | 1.445 | -0.006 |
| 3 | 24 | 1.445 | 1.441 | -0.004 |
| 5 | 25 | 1.451 | 1.445 | -0.006 |
| 5 | 26 | 1.459 | 1.451 | -0.008 |
| 5 | 27 | 1.453 | 1.449 | -0.004 |
| 5 | 28 | 1.414 | 1.408 | -0.006 |
| 5 | 29 | 1.451 | 1.447 | -0.004 |
| 10 | 30 | 1.463 | 1.443 | -0.020 |
| 10 | 31 | 1.447 | 1.430 | -0.017 |
| 10 | 32 | 1.465 | 1.443 | -0.022 |
| 10 | 33 | 1.447 | 1.430 | -0.017 |
| 10 | 34 | 1.480 | 1.459 | -0.021 |
| 15 | 35 | 1.470 | 1.457 | -0.013 |
| 15 | 36 | 1.441 | 1.424 | -0.017 |
| 15 | 37 | 1.468 | 1.451 | -0.017 |
| 15 | 38 | 1.433 | 1.418 | -0.015 |
| 15 | 39 | 1.447 | 1.431 | -0.016 |
| 30 | 40 | 1.472 | 1.412 | -0.060 |
| 30 | 41 | 1.480 | 1.420 | -0.060 |
| 30 | 42 | 1.488 | 1.430 | -0.058 |
| 30 | 43 | 1.465 | 1.398 | -0.067 |
| 30 | 44 | 1.499 | 1.445 | -0.054 |
| 35 | 45 | 1.496 | 1.447 | -0.049 |
| 35 | 46 | 1.498 | 1.445 | -0.053 |
| 35 | 47 | 1.498 | 1.453 | -0.045 |
| 35 | 48 | 1.494 | 1.430 | -0.064 |
| 35 | 49 | 1.496 | 1.439 | -0.057 |
| 50 | 50 | 1.546 | 1.455 | -0.091 |
| 50 | 51 | 1.534 | 1.439 | -0.095 |
| 50 | 52 | 1.538 | 1.447 | -0.091 |
| 50 | 53 | 1.513 | 1.416 | -0.097 |
| 50 | 54 | 1.523 | 1.431 | -0.092 |
| 55 | 55 | 1.521 | 1.424 | -0.097 |
| 55 | 56 | 1.490 | 1.402 | -0.088 |
| 55 | 57 | 1.531 | 1.437 | -0.094 |
| 55 | 58 | 1.540 | 1.453 | -0.087 |
| 55 | 59 | 1.505 | 1.430 | -0.075 |
| 100 | 60 | 1.622 | 1.443 | -0.179 |
| 100 | 61 | 1.641 | 1.461 | -0.180 |
| 100 | 62 | 1.595 | 1.431 | -0.164 |
| 100 | 63 | 1.587 | 1.416 | -0.171 |
| 100 | 64 | 1.597 | 1.435 | -0.162 |
| 105 | 65 | 1.556 | 1.397 | -0.159 |
| 105 | 66 | 1.560 | 1.400 | -0.160 |
| 105 | 67 | 1.618 | 1.463 | -0.155 |
| 105 | 68 | 1.591 | 1.437 | -0.154 |
| 105 | 69 | 1.614 | 1.449 | -0.165 |
| | Max | 1.641 | 1.463 | 0.002 |
| | Average | 1.499 | 1.436 | -0.063 |
| | Min | 1.414 | 1.397 | -0.180 |
| | Std Dev | 0.058 | 0.017 | 0.059 |




| | 6.131_IN_VPOR_RISE_P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.9 | V |
| Min Limit | 0.5 | V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.420 | 1.431 | 1.408 | 1.430 | 1.418 | 1.398 | 1.430 | 1.416 | 1.402 | 1.416 | 1.397 |
| Average | 1.443 | 1.439 | 1.440 | 1.441 | 1.436 | 1.421 | 1.443 | 1.438 | 1.429 | 1.437 | 1.429 |
| Max | 1.463 | 1.445 | 1.451 | 1.459 | 1.457 | 1.445 | 1.453 | 1.455 | 1.453 | 1.461 | 1.463 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

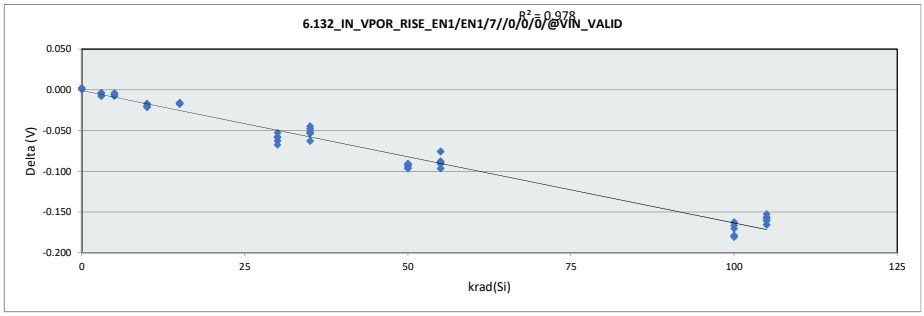


# TID HDR Report
# TPS7H3014-SP

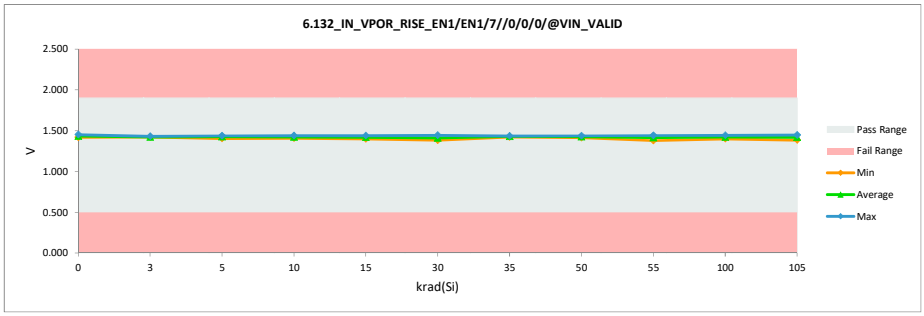
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.132_IN_VPOR_RISE_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.449 | 1.451 | 0.002 |
| 0 | 14 | 1.424 | 1.426 | 0.002 |
| 0 | 15 | 1.418 | 1.418 | 0.000 |
| 3 | 20 | 1.424 | 1.420 | -0.004 |
| 3 | 21 | 1.424 | 1.420 | -0.004 |
| 3 | 22 | 1.428 | 1.420 | -0.008 |
| 3 | 23 | 1.437 | 1.430 | -0.007 |
| 3 | 24 | 1.424 | 1.420 | -0.004 |
| 5 | 25 | 1.437 | 1.431 | -0.006 |
| 5 | 26 | 1.445 | 1.437 | -0.008 |
| 5 | 27 | 1.420 | 1.414 | -0.006 |
| 5 | 28 | 1.410 | 1.404 | -0.006 |
| 5 | 29 | 1.437 | 1.433 | -0.004 |
| 10 | 30 | 1.451 | 1.431 | -0.020 |
| 10 | 31 | 1.428 | 1.408 | -0.020 |
| 10 | 32 | 1.443 | 1.422 | -0.021 |
| 10 | 33 | 1.431 | 1.414 | -0.017 |
| 10 | 34 | 1.461 | 1.439 | -0.022 |
| 15 | 35 | 1.455 | 1.439 | -0.016 |
| 15 | 36 | 1.416 | 1.398 | -0.018 |
| 15 | 37 | 1.443 | 1.426 | -0.017 |
| 15 | 38 | 1.418 | 1.402 | -0.016 |
| 15 | 39 | 1.443 | 1.426 | -0.017 |
| 30 | 40 | 1.465 | 1.406 | -0.059 |
| 30 | 41 | 1.465 | 1.402 | -0.063 |
| 30 | 42 | 1.474 | 1.416 | -0.058 |
| 30 | 43 | 1.449 | 1.381 | -0.068 |
| 30 | 44 | 1.496 | 1.443 | -0.053 |
| 35 | 45 | 1.478 | 1.430 | -0.048 |
| 35 | 46 | 1.478 | 1.426 | -0.052 |
| 35 | 47 | 1.480 | 1.435 | -0.045 |
| 35 | 48 | 1.494 | 1.431 | -0.063 |
| 35 | 49 | 1.474 | 1.420 | -0.054 |
| 50 | 50 | 1.529 | 1.437 | -0.092 |
| 50 | 51 | 1.521 | 1.426 | -0.095 |
| 50 | 52 | 1.521 | 1.428 | -0.093 |
| 50 | 53 | 1.509 | 1.412 | -0.097 |
| 50 | 54 | 1.511 | 1.420 | -0.091 |
| 55 | 55 | 1.511 | 1.414 | -0.097 |
| 55 | 56 | 1.466 | 1.377 | -0.089 |
| 55 | 57 | 1.517 | 1.426 | -0.091 |
| 55 | 58 | 1.529 | 1.441 | -0.088 |
| 55 | 59 | 1.492 | 1.416 | -0.076 |
| 100 | 60 | 1.612 | 1.433 | -0.179 |
| 100 | 61 | 1.624 | 1.443 | -0.181 |
| 100 | 62 | 1.579 | 1.412 | -0.167 |
| 100 | 63 | 1.571 | 1.400 | -0.171 |
| 100 | 64 | 1.579 | 1.416 | -0.163 |
| 105 | 65 | 1.544 | 1.383 | -0.161 |
| 105 | 66 | 1.558 | 1.400 | -0.158 |
| 105 | 67 | 1.602 | 1.445 | -0.157 |
| 105 | 68 | 1.583 | 1.430 | -0.153 |
| 105 | 69 | 1.597 | 1.431 | -0.166 |
| | Max | 1.624 | 1.451 | 0.002 |
| | Average | 1.484 | 1.421 | -0.063 |
| | Min | 1.410 | 1.377 | -0.181 |
| | Std Dev | 0.059 | 0.016 | 0.059 |




| | 6.132_IN_VPOR_RISE_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.9 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.418 | 1.420 | 1.404 | 1.408 | 1.398 | 1.381 | 1.420 | 1.412 | 1.377 | 1.400 | 1.383 |
| Average | 1.432 | 1.422 | 1.424 | 1.423 | 1.418 | 1.410 | 1.428 | 1.425 | 1.415 | 1.421 | 1.418 |
| Max | 1.451 | 1.430 | 1.437 | 1.439 | 1.439 | 1.443 | 1.435 | 1.437 | 1.441 | 1.443 | 1.445 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

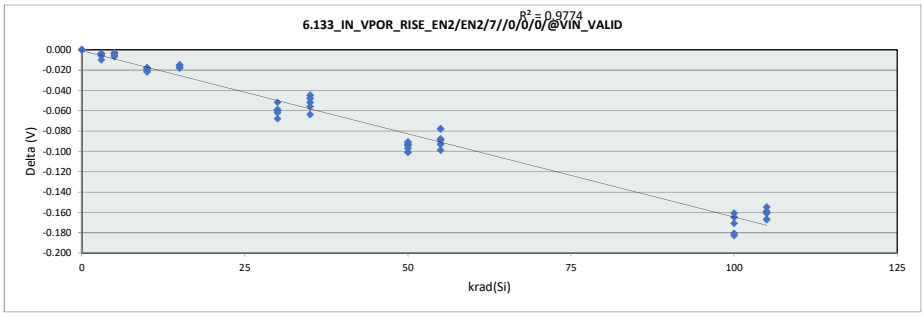


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

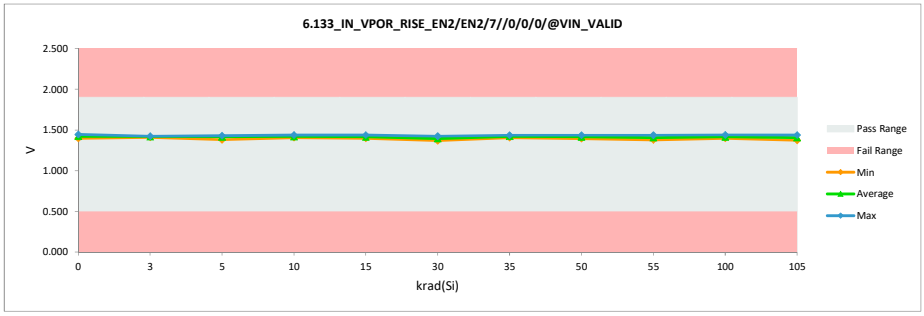
| | 6.133_IN_VPOR_RISE_EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | V |
| Max Limit | 2 |
| Min Limit | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.445 | 1.445 | 0.000 |
| 0 | 14 | 1.426 | 1.426 | 0.000 |
| 0 | 15 | 1.398 | 1.398 | 0.000 |
| 3 | 20 | 1.428 | 1.424 | -0.004 |
| 3 | 21 | 1.422 | 1.418 | -0.004 |
| 3 | 22 | 1.420 | 1.410 | -0.010 |
| 3 | 23 | 1.430 | 1.424 | -0.006 |
| 3 | 24 | 1.426 | 1.422 | -0.004 |
| 5 | 25 | 1.430 | 1.424 | -0.006 |
| 5 | 26 | 1.437 | 1.430 | -0.007 |
| 5 | 27 | 1.426 | 1.422 | -0.004 |
| 5 | 28 | 1.387 | 1.381 | -0.006 |
| 5 | 29 | 1.431 | 1.428 | -0.003 |
| 10 | 30 | 1.443 | 1.424 | -0.019 |
| 10 | 31 | 1.426 | 1.408 | -0.018 |
| 10 | 32 | 1.443 | 1.422 | -0.021 |
| 10 | 33 | 1.426 | 1.408 | -0.018 |
| 10 | 34 | 1.459 | 1.437 | -0.022 |
| 15 | 35 | 1.455 | 1.439 | -0.016 |
| 15 | 36 | 1.420 | 1.402 | -0.018 |
| 15 | 37 | 1.449 | 1.431 | -0.018 |
| 15 | 38 | 1.412 | 1.397 | -0.015 |
| 15 | 39 | 1.422 | 1.404 | -0.018 |
| 30 | 40 | 1.445 | 1.385 | -0.060 |
| 30 | 41 | 1.455 | 1.393 | -0.062 |
| 30 | 42 | 1.461 | 1.402 | -0.059 |
| 30 | 43 | 1.437 | 1.369 | -0.068 |
| 30 | 44 | 1.476 | 1.424 | -0.052 |
| 35 | 45 | 1.474 | 1.426 | -0.048 |
| 35 | 46 | 1.476 | 1.424 | -0.052 |
| 35 | 47 | 1.480 | 1.435 | -0.045 |
| 35 | 48 | 1.470 | 1.406 | -0.064 |
| 35 | 49 | 1.480 | 1.424 | -0.056 |
| 50 | 50 | 1.529 | 1.435 | -0.094 |
| 50 | 51 | 1.515 | 1.418 | -0.097 |
| 50 | 52 | 1.523 | 1.430 | -0.093 |
| 50 | 53 | 1.494 | 1.393 | -0.101 |
| 50 | 54 | 1.501 | 1.410 | -0.091 |
| 55 | 55 | 1.501 | 1.402 | -0.099 |
| 55 | 56 | 1.468 | 1.379 | -0.089 |
| 55 | 57 | 1.507 | 1.414 | -0.093 |
| 55 | 58 | 1.523 | 1.435 | -0.088 |
| 55 | 59 | 1.488 | 1.410 | -0.078 |
| 100 | 60 | 1.597 | 1.416 | -0.181 |
| 100 | 61 | 1.624 | 1.441 | -0.183 |
| 100 | 62 | 1.581 | 1.416 | -0.165 |
| 100 | 63 | 1.569 | 1.398 | -0.171 |
| 100 | 64 | 1.579 | 1.418 | -0.161 |
| 105 | 65 | 1.532 | 1.373 | -0.159 |
| 105 | 66 | 1.540 | 1.379 | -0.161 |
| 105 | 67 | 1.599 | 1.439 | -0.160 |
| 105 | 68 | 1.575 | 1.420 | -0.155 |
| 105 | 69 | 1.595 | 1.428 | -0.167 |
| | Max | 1.624 | 1.445 | 0.000 |
| | Average | 1.478 | 1.414 | -0.064 |
| | Min | 1.387 | 1.369 | -0.183 |
| | Std Dev | 0.060 | 0.018 | 0.059 |




| | 6.133_IN_VPOR_RISE_E |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 1.9 V |
| Min Limit | 0.5 V |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.398 | 1.410 | 1.381 | 1.408 | 1.397 | 1.369 | 1.406 | 1.393 | 1.379 | 1.398 | 1.373 |
| Average | 1.423 | 1.420 | 1.417 | 1.420 | 1.415 | 1.395 | 1.423 | 1.417 | 1.408 | 1.418 | 1.408 |
| Max | 1.445 | 1.424 | 1.430 | 1.437 | 1.439 | 1.424 | 1.435 | 1.435 | 1.435 | 1.441 | 1.439 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

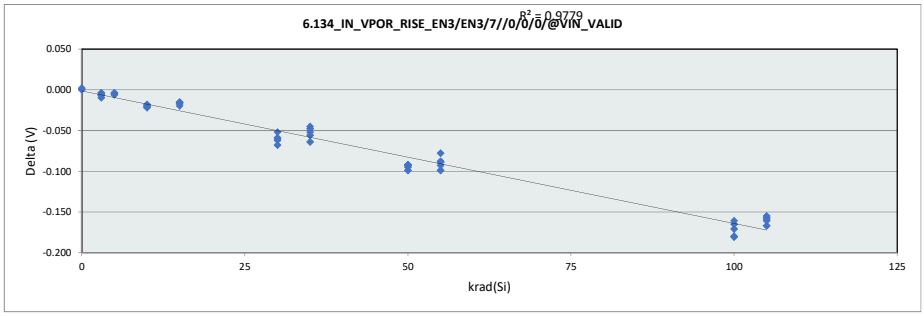


# TID HDR Report
# TPS7H3014-SP

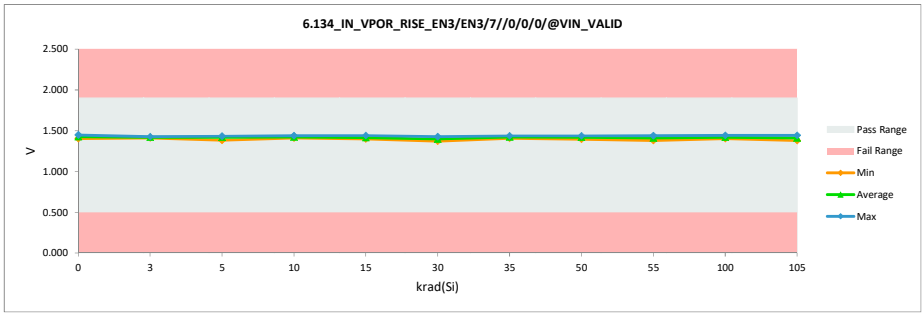
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.134_IN_VPOR_RISE_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.445 | 1.447 | 0.002 |
| 0 | 14 | 1.426 | 1.426 | 0.000 |
| 0 | 15 | 1.404 | 1.404 | 0.000 |
| 3 | 20 | 1.428 | 1.422 | -0.006 |
| 3 | 21 | 1.422 | 1.418 | -0.004 |
| 3 | 22 | 1.422 | 1.412 | -0.010 |
| 3 | 23 | 1.433 | 1.426 | -0.007 |
| 3 | 24 | 1.428 | 1.424 | -0.004 |
| 5 | 25 | 1.431 | 1.426 | -0.005 |
| 5 | 26 | 1.437 | 1.431 | -0.006 |
| 5 | 27 | 1.428 | 1.424 | -0.004 |
| 5 | 28 | 1.387 | 1.381 | -0.006 |
| 5 | 29 | 1.435 | 1.431 | -0.004 |
| 10 | 30 | 1.445 | 1.426 | -0.019 |
| 10 | 31 | 1.430 | 1.410 | -0.020 |
| 10 | 32 | 1.445 | 1.424 | -0.021 |
| 10 | 33 | 1.428 | 1.410 | -0.018 |
| 10 | 34 | 1.459 | 1.437 | -0.022 |
| 15 | 35 | 1.457 | 1.441 | -0.016 |
| 15 | 36 | 1.420 | 1.402 | -0.018 |
| 15 | 37 | 1.451 | 1.431 | -0.020 |
| 15 | 38 | 1.412 | 1.397 | -0.015 |
| 15 | 39 | 1.420 | 1.404 | -0.016 |
| 30 | 40 | 1.447 | 1.387 | -0.060 |
| 30 | 41 | 1.459 | 1.397 | -0.062 |
| 30 | 42 | 1.463 | 1.404 | -0.059 |
| 30 | 43 | 1.439 | 1.371 | -0.068 |
| 30 | 44 | 1.478 | 1.426 | -0.052 |
| 35 | 45 | 1.476 | 1.428 | -0.048 |
| 35 | 46 | 1.476 | 1.424 | -0.052 |
| 35 | 47 | 1.480 | 1.435 | -0.045 |
| 35 | 48 | 1.470 | 1.406 | -0.064 |
| 35 | 49 | 1.482 | 1.426 | -0.056 |
| 50 | 50 | 1.527 | 1.435 | -0.092 |
| 50 | 51 | 1.517 | 1.422 | -0.095 |
| 50 | 52 | 1.523 | 1.430 | -0.093 |
| 50 | 53 | 1.492 | 1.393 | -0.099 |
| 50 | 54 | 1.505 | 1.412 | -0.093 |
| 55 | 55 | 1.501 | 1.402 | -0.099 |
| 55 | 56 | 1.468 | 1.379 | -0.089 |
| 55 | 57 | 1.511 | 1.418 | -0.093 |
| 55 | 58 | 1.525 | 1.437 | -0.088 |
| 55 | 59 | 1.488 | 1.410 | -0.078 |
| 100 | 60 | 1.600 | 1.420 | -0.180 |
| 100 | 61 | 1.624 | 1.443 | -0.181 |
| 100 | 62 | 1.581 | 1.416 | -0.165 |
| 100 | 63 | 1.573 | 1.402 | -0.171 |
| 100 | 64 | 1.581 | 1.420 | -0.161 |
| 105 | 65 | 1.536 | 1.377 | -0.159 |
| 105 | 66 | 1.540 | 1.379 | -0.161 |
| 105 | 67 | 1.600 | 1.443 | -0.157 |
| 105 | 68 | 1.573 | 1.418 | -0.155 |
| 105 | 69 | 1.595 | 1.428 | -0.167 |
| | Max | 1.624 | 1.447 | 0.002 |
| | Average | 1.480 | 1.416 | -0.064 |
| | Min | 1.387 | 1.371 | -0.181 |
| | Std Dev | 0.059 | 0.018 | 0.059 |




| | 6.134_IN_VPOR_RISE_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.9 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.404 | 1.412 | 1.381 | 1.410 | 1.397 | 1.371 | 1.406 | 1.393 | 1.379 | 1.402 | 1.377 |
| Average | 1.426 | 1.420 | 1.419 | 1.421 | 1.415 | 1.397 | 1.424 | 1.418 | 1.409 | 1.420 | 1.409 |
| Max | 1.447 | 1.426 | 1.431 | 1.437 | 1.441 | 1.426 | 1.435 | 1.435 | 1.437 | 1.443 | 1.443 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

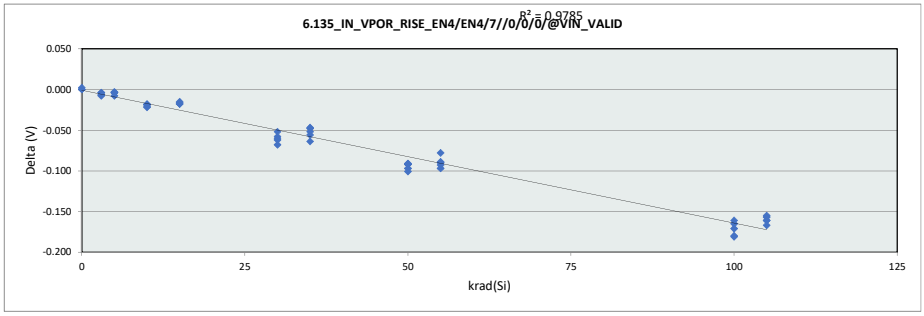


# TID HDR Report
# TPS7H3014-SP

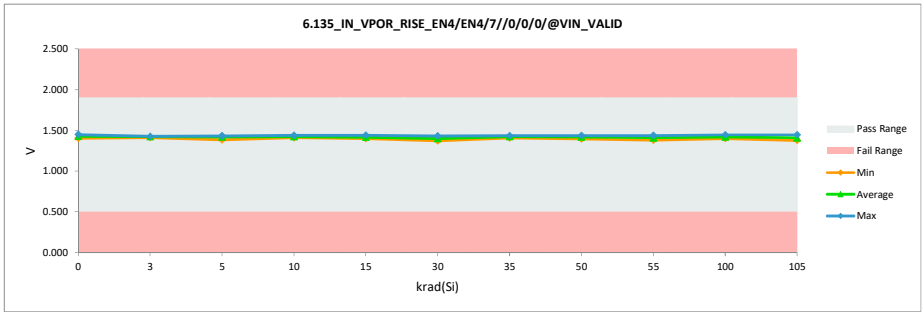
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.135_IN_VPOR_RISE_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.445 | 1.447 | 0.002 |
| 0 | 14 | 1.426 | 1.426 | 0.000 |
| 0 | 15 | 1.404 | 1.404 | 0.000 |
| 3 | 20 | 1.428 | 1.424 | -0.004 |
| 3 | 21 | 1.422 | 1.418 | -0.004 |
| 3 | 22 | 1.420 | 1.412 | -0.008 |
| 3 | 23 | 1.433 | 1.426 | -0.007 |
| 3 | 24 | 1.428 | 1.422 | -0.006 |
| 5 | 25 | 1.431 | 1.428 | -0.003 |
| 5 | 26 | 1.439 | 1.431 | -0.008 |
| 5 | 27 | 1.428 | 1.424 | -0.004 |
| 5 | 28 | 1.387 | 1.383 | -0.004 |
| 5 | 29 | 1.435 | 1.431 | -0.004 |
| 10 | 30 | 1.445 | 1.426 | -0.019 |
| 10 | 31 | 1.431 | 1.412 | -0.019 |
| 10 | 32 | 1.443 | 1.422 | -0.021 |
| 10 | 33 | 1.428 | 1.410 | -0.018 |
| 10 | 34 | 1.459 | 1.437 | -0.022 |
| 15 | 35 | 1.455 | 1.439 | -0.016 |
| 15 | 36 | 1.424 | 1.406 | -0.018 |
| 15 | 37 | 1.449 | 1.431 | -0.018 |
| 15 | 38 | 1.412 | 1.397 | -0.015 |
| 15 | 39 | 1.420 | 1.402 | -0.018 |
| 30 | 40 | 1.445 | 1.385 | -0.060 |
| 30 | 41 | 1.459 | 1.397 | -0.062 |
| 30 | 42 | 1.466 | 1.408 | -0.058 |
| 30 | 43 | 1.441 | 1.373 | -0.068 |
| 30 | 44 | 1.482 | 1.430 | -0.052 |
| 35 | 45 | 1.474 | 1.426 | -0.048 |
| 35 | 46 | 1.478 | 1.426 | -0.052 |
| 35 | 47 | 1.480 | 1.433 | -0.047 |
| 35 | 48 | 1.470 | 1.406 | -0.064 |
| 35 | 49 | 1.480 | 1.424 | -0.056 |
| 50 | 50 | 1.527 | 1.435 | -0.092 |
| 50 | 51 | 1.517 | 1.420 | -0.097 |
| 50 | 52 | 1.523 | 1.431 | -0.092 |
| 50 | 53 | 1.494 | 1.393 | -0.101 |
| 50 | 54 | 1.503 | 1.412 | -0.091 |
| 55 | 55 | 1.501 | 1.404 | -0.097 |
| 55 | 56 | 1.468 | 1.379 | -0.089 |
| 55 | 57 | 1.511 | 1.418 | -0.093 |
| 55 | 58 | 1.525 | 1.435 | -0.090 |
| 55 | 59 | 1.488 | 1.410 | -0.078 |
| 100 | 60 | 1.600 | 1.420 | -0.180 |
| 100 | 61 | 1.624 | 1.443 | -0.181 |
| 100 | 62 | 1.579 | 1.414 | -0.165 |
| 100 | 63 | 1.569 | 1.398 | -0.171 |
| 100 | 64 | 1.581 | 1.420 | -0.161 |
| 105 | 65 | 1.536 | 1.375 | -0.161 |
| 105 | 66 | 1.540 | 1.379 | -0.161 |
| 105 | 67 | 1.600 | 1.443 | -0.157 |
| 105 | 68 | 1.573 | 1.418 | -0.155 |
| 105 | 69 | 1.597 | 1.430 | -0.167 |
| | Max | 1.624 | 1.447 | 0.002 |
| | Average | 1.480 | 1.416 | -0.064 |
| | Min | 1.387 | 1.373 | -0.181 |
| | Std Dev | 0.059 | 0.018 | 0.059 |




| | 6.135_IN_VPOR_RISE_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.9 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.404 | 1.412 | 1.383 | 1.410 | 1.397 | 1.373 | 1.406 | 1.393 | 1.379 | 1.398 | 1.375 |
| Average | 1.426 | 1.420 | 1.419 | 1.421 | 1.415 | 1.399 | 1.423 | 1.418 | 1.409 | 1.419 | 1.409 |
| Max | 1.447 | 1.426 | 1.431 | 1.437 | 1.439 | 1.430 | 1.433 | 1.435 | 1.435 | 1.443 | 1.443 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

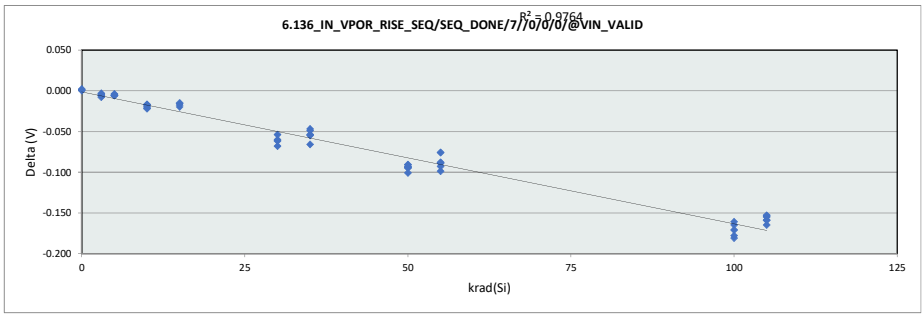


# TID HDR Report
# TPS7H3014-SP

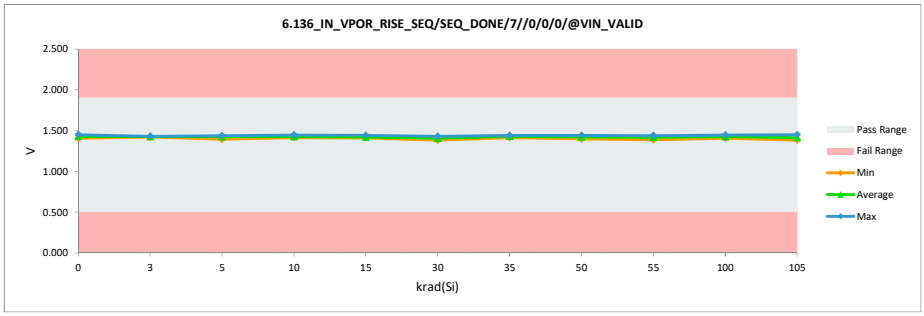
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.136_IN_VPOR_RISE_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.449 | 1.451 | 0.002 |
| 0 | 14 | 1.430 | 1.431 | 0.001 |
| 0 | 15 | 1.406 | 1.406 | 0.000 |
| 3 | 20 | 1.433 | 1.430 | -0.003 |
| 3 | 21 | 1.426 | 1.422 | -0.004 |
| 3 | 22 | 1.428 | 1.420 | -0.008 |
| 3 | 23 | 1.437 | 1.431 | -0.006 |
| 3 | 24 | 1.431 | 1.426 | -0.005 |
| 5 | 25 | 1.437 | 1.431 | -0.006 |
| 5 | 26 | 1.441 | 1.435 | -0.006 |
| 5 | 27 | 1.443 | 1.437 | -0.006 |
| 5 | 28 | 1.398 | 1.393 | -0.005 |
| 5 | 29 | 1.435 | 1.431 | -0.004 |
| 10 | 30 | 1.449 | 1.430 | -0.019 |
| 10 | 31 | 1.431 | 1.414 | -0.017 |
| 10 | 32 | 1.453 | 1.431 | -0.022 |
| 10 | 33 | 1.435 | 1.418 | -0.017 |
| 10 | 34 | 1.466 | 1.445 | -0.021 |
| 15 | 35 | 1.459 | 1.443 | -0.016 |
| 15 | 36 | 1.426 | 1.408 | -0.018 |
| 15 | 37 | 1.457 | 1.437 | -0.020 |
| 15 | 38 | 1.424 | 1.408 | -0.016 |
| 15 | 39 | 1.431 | 1.416 | -0.015 |
| 30 | 40 | 1.461 | 1.400 | -0.061 |
| 30 | 41 | 1.466 | 1.404 | -0.062 |
| 30 | 42 | 1.474 | 1.414 | -0.060 |
| 30 | 43 | 1.451 | 1.383 | -0.068 |
| 30 | 44 | 1.484 | 1.430 | -0.054 |
| 35 | 45 | 1.484 | 1.435 | -0.049 |
| 35 | 46 | 1.486 | 1.431 | -0.055 |
| 35 | 47 | 1.488 | 1.441 | -0.047 |
| 35 | 48 | 1.480 | 1.414 | -0.066 |
| 35 | 49 | 1.482 | 1.428 | -0.054 |
| 50 | 50 | 1.532 | 1.441 | -0.091 |
| 50 | 51 | 1.523 | 1.428 | -0.095 |
| 50 | 52 | 1.527 | 1.433 | -0.094 |
| 50 | 53 | 1.499 | 1.398 | -0.101 |
| 50 | 54 | 1.505 | 1.412 | -0.093 |
| 55 | 55 | 1.509 | 1.410 | -0.099 |
| 55 | 56 | 1.476 | 1.387 | -0.089 |
| 55 | 57 | 1.519 | 1.426 | -0.093 |
| 55 | 58 | 1.527 | 1.439 | -0.088 |
| 55 | 59 | 1.494 | 1.418 | -0.076 |
| 100 | 60 | 1.608 | 1.430 | -0.178 |
| 100 | 61 | 1.626 | 1.445 | -0.181 |
| 100 | 62 | 1.585 | 1.420 | -0.165 |
| 100 | 63 | 1.575 | 1.404 | -0.171 |
| 100 | 64 | 1.585 | 1.424 | -0.161 |
| 105 | 65 | 1.542 | 1.383 | -0.159 |
| 105 | 66 | 1.544 | 1.385 | -0.159 |
| 105 | 67 | 1.606 | 1.451 | -0.155 |
| 105 | 68 | 1.577 | 1.424 | -0.153 |
| 105 | 69 | 1.600 | 1.435 | -0.165 |
| | Max | 1.626 | 1.451 | 0.002 |
| | Average | 1.486 | 1.422 | -0.064 |
| | Min | 1.398 | 1.383 | -0.181 |
| | Std Dev | 0.059 | 0.017 | 0.059 |




| | 6.136_IN_VPOR_RISE_S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.9 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.406 | 1.420 | 1.393 | 1.414 | 1.408 | 1.383 | 1.414 | 1.398 | 1.387 | 1.404 | 1.383 |
| Average | 1.429 | 1.426 | 1.425 | 1.428 | 1.422 | 1.406 | 1.430 | 1.422 | 1.416 | 1.425 | 1.416 |
| Max | 1.451 | 1.431 | 1.437 | 1.445 | 1.443 | 1.430 | 1.441 | 1.441 | 1.439 | 1.445 | 1.451 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

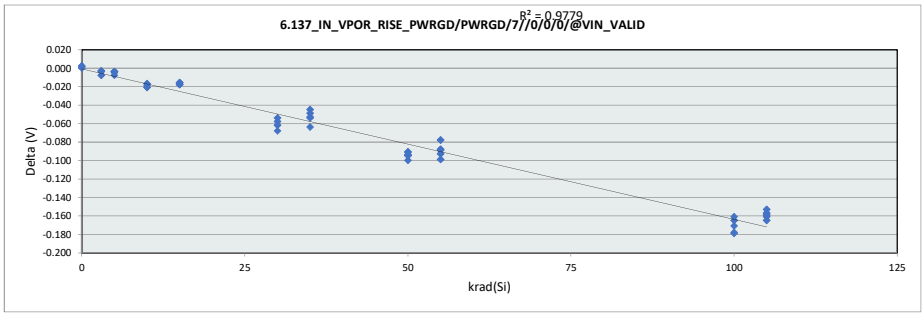


# TID HDR Report
# TPS7H3014-SP

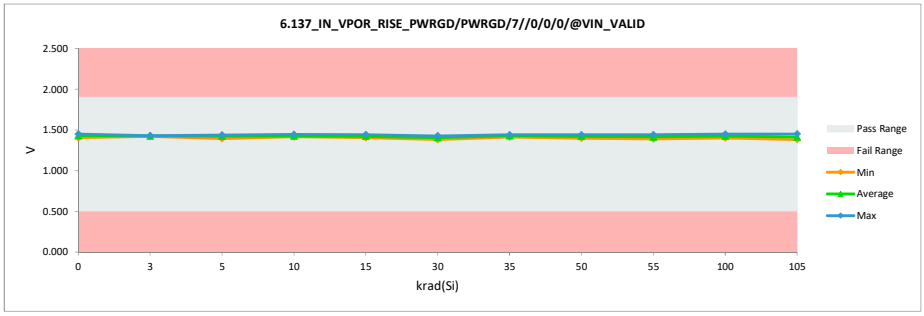
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.137_IN_VPOR_RISE_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 2 | 1.9 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.447 | 1.449 | 0.002 |
| 0 | 14 | 1.433 | 1.435 | 0.002 |
| 0 | 15 | 1.404 | 1.404 | 0.000 |
| 3 | 20 | 1.433 | 1.430 | -0.003 |
| 3 | 21 | 1.426 | 1.422 | -0.004 |
| 3 | 22 | 1.428 | 1.420 | -0.008 |
| 3 | 23 | 1.439 | 1.431 | -0.008 |
| 3 | 24 | 1.431 | 1.428 | -0.003 |
| 5 | 25 | 1.437 | 1.433 | -0.004 |
| 5 | 26 | 1.445 | 1.437 | -0.008 |
| 5 | 27 | 1.439 | 1.435 | -0.004 |
| 5 | 28 | 1.398 | 1.393 | -0.005 |
| 5 | 29 | 1.437 | 1.433 | -0.004 |
| 10 | 30 | 1.449 | 1.430 | -0.019 |
| 10 | 31 | 1.433 | 1.416 | -0.017 |
| 10 | 32 | 1.451 | 1.430 | -0.021 |
| 10 | 33 | 1.433 | 1.416 | -0.017 |
| 10 | 34 | 1.466 | 1.445 | -0.021 |
| 15 | 35 | 1.459 | 1.443 | -0.016 |
| 15 | 36 | 1.428 | 1.410 | -0.018 |
| 15 | 37 | 1.455 | 1.437 | -0.018 |
| 15 | 38 | 1.420 | 1.404 | -0.016 |
| 15 | 39 | 1.430 | 1.414 | -0.016 |
| 30 | 40 | 1.457 | 1.395 | -0.062 |
| 30 | 41 | 1.468 | 1.406 | -0.062 |
| 30 | 42 | 1.474 | 1.416 | -0.058 |
| 30 | 43 | 1.451 | 1.383 | -0.068 |
| 30 | 44 | 1.482 | 1.428 | -0.054 |
| 35 | 45 | 1.482 | 1.433 | -0.049 |
| 35 | 46 | 1.484 | 1.431 | -0.053 |
| 35 | 47 | 1.486 | 1.441 | -0.045 |
| 35 | 48 | 1.476 | 1.412 | -0.064 |
| 35 | 49 | 1.482 | 1.428 | -0.054 |
| 50 | 50 | 1.532 | 1.441 | -0.091 |
| 50 | 51 | 1.521 | 1.426 | -0.095 |
| 50 | 52 | 1.527 | 1.433 | -0.094 |
| 50 | 53 | 1.498 | 1.398 | -0.100 |
| 50 | 54 | 1.507 | 1.416 | -0.091 |
| 55 | 55 | 1.507 | 1.408 | -0.099 |
| 55 | 56 | 1.478 | 1.389 | -0.089 |
| 55 | 57 | 1.517 | 1.424 | -0.093 |
| 55 | 58 | 1.529 | 1.441 | -0.088 |
| 55 | 59 | 1.494 | 1.416 | -0.078 |
| 100 | 60 | 1.608 | 1.430 | -0.178 |
| 100 | 61 | 1.628 | 1.449 | -0.179 |
| 100 | 62 | 1.585 | 1.420 | -0.165 |
| 100 | 63 | 1.573 | 1.402 | -0.171 |
| 100 | 64 | 1.583 | 1.422 | -0.161 |
| 105 | 65 | 1.542 | 1.383 | -0.159 |
| 105 | 66 | 1.542 | 1.381 | -0.161 |
| 105 | 67 | 1.608 | 1.451 | -0.157 |
| 105 | 68 | 1.577 | 1.424 | -0.153 |
| 105 | 69 | 1.602 | 1.437 | -0.165 |
| | Max | 1.628 | 1.451 | 0.002 |
| | Average | 1.485 | 1.422 | -0.063 |
| | Min | 1.398 | 1.381 | -0.179 |
| | Std Dev | 0.059 | 0.018 | 0.059 |




| | 6.137_IN_VPOR_RISE_P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.9 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 1.404 | 1.420 | 1.393 | 1.416 | 1.404 | 1.383 | 1.412 | 1.398 | 1.389 | 1.402 | 1.381 |
| Average | 1.429 | 1.426 | 1.426 | 1.427 | 1.422 | 1.406 | 1.429 | 1.423 | 1.416 | 1.425 | 1.415 |
| Max | 1.449 | 1.431 | 1.437 | 1.445 | 1.443 | 1.428 | 1.441 | 1.441 | 1.441 | 1.449 | 1.451 |
| UL | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 | 1.900 |

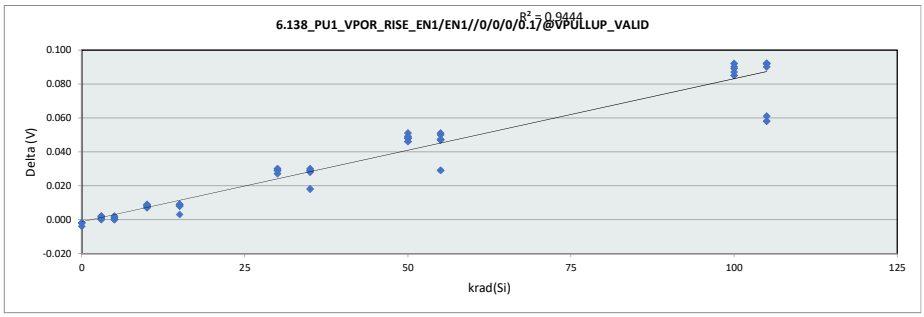


# TID HDR Report
# TPS7H3014-SP

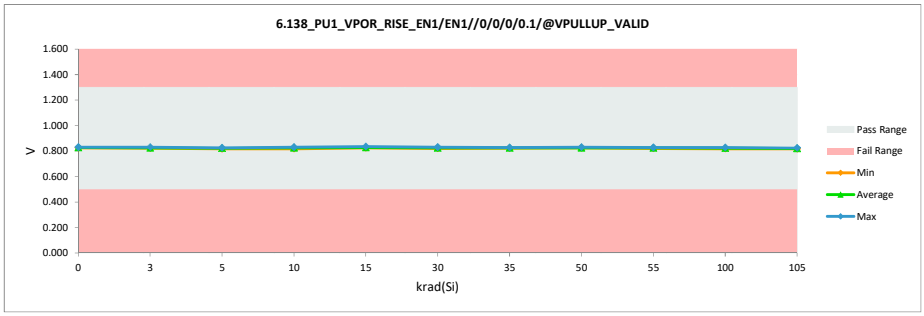
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.138_PU1_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.4 | 1.3 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.831 | 0.827 | -0.004 |
| 0 | 14 | 0.827 | 0.825 | -0.002 |
| 0 | 15 | 0.831 | 0.829 | -0.002 |
| 3 | 20 | 0.825 | 0.827 | 0.002 |
| 3 | 21 | 0.831 | 0.831 | 0.000 |
| 3 | 22 | 0.820 | 0.822 | 0.002 |
| 3 | 23 | 0.824 | 0.824 | 0.000 |
| 3 | 24 | 0.824 | 0.825 | 0.001 |
| 5 | 25 | 0.820 | 0.820 | 0.000 |
| 5 | 26 | 0.816 | 0.816 | 0.000 |
| 5 | 27 | 0.824 | 0.824 | 0.000 |
| 5 | 28 | 0.824 | 0.825 | 0.001 |
| 5 | 29 | 0.820 | 0.822 | 0.002 |
| 10 | 30 | 0.818 | 0.827 | 0.009 |
| 10 | 31 | 0.814 | 0.822 | 0.008 |
| 10 | 32 | 0.810 | 0.818 | 0.008 |
| 10 | 33 | 0.822 | 0.829 | 0.007 |
| 10 | 34 | 0.822 | 0.829 | 0.007 |
| 15 | 35 | 0.818 | 0.827 | 0.009 |
| 15 | 36 | 0.822 | 0.825 | 0.003 |
| 15 | 37 | 0.820 | 0.829 | 0.009 |
| 15 | 38 | 0.816 | 0.824 | 0.008 |
| 15 | 39 | 0.827 | 0.835 | 0.008 |
| 30 | 40 | 0.798 | 0.827 | 0.029 |
| 30 | 41 | 0.792 | 0.822 | 0.030 |
| 30 | 42 | 0.791 | 0.820 | 0.029 |
| 30 | 43 | 0.792 | 0.822 | 0.030 |
| 30 | 44 | 0.802 | 0.829 | 0.027 |
| 35 | 45 | 0.792 | 0.822 | 0.030 |
| 35 | 46 | 0.804 | 0.822 | 0.018 |
| 35 | 47 | 0.794 | 0.822 | 0.028 |
| 35 | 48 | 0.798 | 0.827 | 0.029 |
| 35 | 49 | 0.798 | 0.827 | 0.029 |
| 50 | 50 | 0.775 | 0.824 | 0.049 |
| 50 | 51 | 0.773 | 0.824 | 0.051 |
| 50 | 52 | 0.779 | 0.827 | 0.048 |
| 50 | 53 | 0.777 | 0.825 | 0.048 |
| 50 | 54 | 0.783 | 0.829 | 0.046 |
| 55 | 55 | 0.773 | 0.824 | 0.051 |
| 55 | 56 | 0.798 | 0.827 | 0.029 |
| 55 | 57 | 0.773 | 0.820 | 0.047 |
| 55 | 58 | 0.775 | 0.825 | 0.050 |
| 55 | 59 | 0.777 | 0.824 | 0.047 |
| 100 | 60 | 0.728 | 0.818 | 0.090 |
| 100 | 61 | 0.726 | 0.818 | 0.092 |
| 100 | 62 | 0.740 | 0.825 | 0.085 |
| 100 | 63 | 0.738 | 0.825 | 0.087 |
| 100 | 64 | 0.738 | 0.827 | 0.089 |
| 105 | 65 | 0.730 | 0.822 | 0.092 |
| 105 | 66 | 0.734 | 0.824 | 0.090 |
| 105 | 67 | 0.759 | 0.820 | 0.061 |
| 105 | 68 | 0.758 | 0.816 | 0.058 |
| 105 | 69 | 0.728 | 0.820 | 0.092 |
| | Max | 0.831 | 0.835 | 0.092 |
| | Average | 0.793 | 0.824 | 0.031 |
| | Min | 0.726 | 0.816 | -0.004 |
| | Std Dev | 0.032 | 0.004 | 0.031 |




| | 6.138_PU1_VPOR_RISE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.3 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 0.825 | 0.822 | 0.816 | 0.818 | 0.824 | 0.820 | 0.822 | 0.824 | 0.820 | 0.818 | 0.816 |
| Average | 0.827 | 0.826 | 0.821 | 0.825 | 0.828 | 0.824 | 0.824 | 0.826 | 0.824 | 0.823 | 0.820 |
| Max | 0.829 | 0.831 | 0.825 | 0.829 | 0.835 | 0.829 | 0.827 | 0.829 | 0.827 | 0.827 | 0.824 |
| UL | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

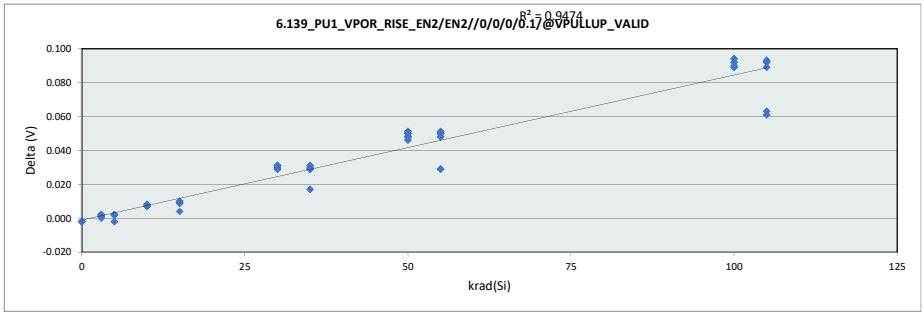


# TID HDR Report
# TPS7H3014-SP

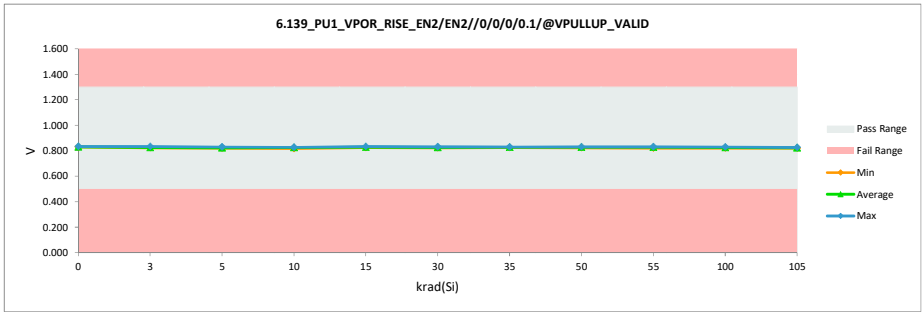
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.139_PU1_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.4 | 1.3 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.835 | 0.833 | -0.002 |
| 0 | 14 | 0.831 | 0.829 | -0.002 |
| 0 | 15 | 0.831 | 0.829 | -0.002 |
| 3 | 20 | 0.825 | 0.825 | 0.000 |
| 3 | 21 | 0.831 | 0.833 | 0.002 |
| 3 | 22 | 0.820 | 0.822 | 0.002 |
| 3 | 23 | 0.822 | 0.824 | 0.002 |
| 3 | 24 | 0.824 | 0.825 | 0.001 |
| 5 | 25 | 0.820 | 0.822 | 0.002 |
| 5 | 26 | 0.818 | 0.820 | 0.002 |
| 5 | 27 | 0.831 | 0.829 | -0.002 |
| 5 | 28 | 0.822 | 0.824 | 0.002 |
| 5 | 29 | 0.818 | 0.820 | 0.002 |
| 10 | 30 | 0.818 | 0.825 | 0.007 |
| 10 | 31 | 0.816 | 0.824 | 0.008 |
| 10 | 32 | 0.810 | 0.818 | 0.008 |
| 10 | 33 | 0.818 | 0.825 | 0.007 |
| 10 | 34 | 0.820 | 0.827 | 0.007 |
| 15 | 35 | 0.816 | 0.825 | 0.009 |
| 15 | 36 | 0.825 | 0.829 | 0.004 |
| 15 | 37 | 0.822 | 0.831 | 0.009 |
| 15 | 38 | 0.814 | 0.824 | 0.010 |
| 15 | 39 | 0.824 | 0.833 | 0.009 |
| 30 | 40 | 0.794 | 0.825 | 0.031 |
| 30 | 41 | 0.796 | 0.825 | 0.029 |
| 30 | 42 | 0.791 | 0.822 | 0.031 |
| 30 | 43 | 0.794 | 0.824 | 0.030 |
| 30 | 44 | 0.802 | 0.831 | 0.029 |
| 35 | 45 | 0.794 | 0.824 | 0.030 |
| 35 | 46 | 0.812 | 0.829 | 0.017 |
| 35 | 47 | 0.796 | 0.825 | 0.029 |
| 35 | 48 | 0.800 | 0.829 | 0.029 |
| 35 | 49 | 0.798 | 0.829 | 0.031 |
| 50 | 50 | 0.777 | 0.825 | 0.048 |
| 50 | 51 | 0.771 | 0.822 | 0.051 |
| 50 | 52 | 0.777 | 0.825 | 0.048 |
| 50 | 53 | 0.777 | 0.827 | 0.050 |
| 50 | 54 | 0.785 | 0.831 | 0.046 |
| 55 | 55 | 0.781 | 0.831 | 0.050 |
| 55 | 56 | 0.800 | 0.829 | 0.029 |
| 55 | 57 | 0.769 | 0.820 | 0.051 |
| 55 | 58 | 0.777 | 0.827 | 0.050 |
| 55 | 59 | 0.781 | 0.829 | 0.048 |
| 100 | 60 | 0.728 | 0.820 | 0.092 |
| 100 | 61 | 0.730 | 0.824 | 0.094 |
| 100 | 62 | 0.738 | 0.827 | 0.089 |
| 100 | 63 | 0.732 | 0.822 | 0.090 |
| 100 | 64 | 0.740 | 0.829 | 0.089 |
| 105 | 65 | 0.732 | 0.824 | 0.092 |
| 105 | 66 | 0.736 | 0.825 | 0.089 |
| 105 | 67 | 0.759 | 0.822 | 0.063 |
| 105 | 68 | 0.759 | 0.820 | 0.061 |
| 105 | 69 | 0.732 | 0.825 | 0.093 |
| | Max | 0.835 | 0.833 | 0.094 |
| | Average | 0.794 | 0.826 | 0.032 |
| | Min | 0.728 | 0.818 | -0.002 |
| | Std Dev | 0.032 | 0.004 | 0.031 |




| | 6.139_PU1_VPOR_RISE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.3 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 0.829 | 0.822 | 0.820 | 0.818 | 0.824 | 0.822 | 0.824 | 0.822 | 0.820 | 0.820 | 0.820 |
| Average | 0.830 | 0.826 | 0.823 | 0.824 | 0.828 | 0.825 | 0.827 | 0.826 | 0.827 | 0.824 | 0.823 |
| Max | 0.833 | 0.833 | 0.829 | 0.827 | 0.833 | 0.831 | 0.829 | 0.831 | 0.831 | 0.829 | 0.825 |
| UL | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

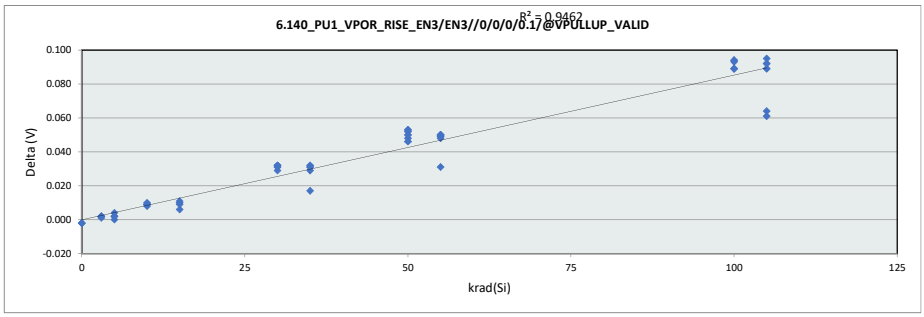


# TID HDR Report
# TPS7H3014-SP

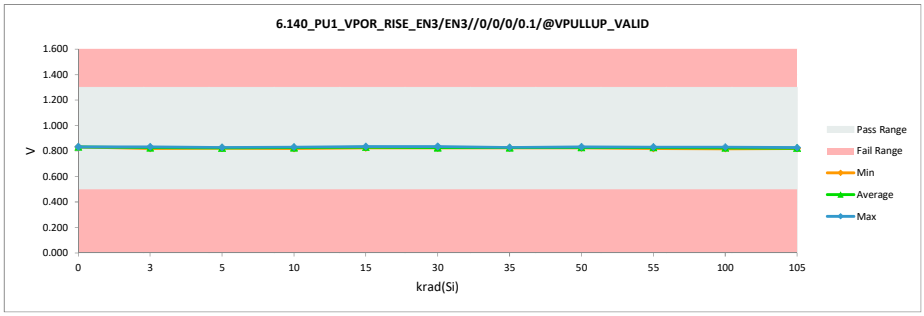
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.140_PU1_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.4 | 1.3 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.835 | 0.833 | -0.002 |
| 0 | 14 | 0.835 | 0.833 | -0.002 |
| 0 | 15 | 0.833 | 0.831 | -0.002 |
| 3 | 20 | 0.824 | 0.825 | 0.001 |
| 3 | 21 | 0.831 | 0.833 | 0.002 |
| 3 | 22 | 0.818 | 0.820 | 0.002 |
| 3 | 23 | 0.822 | 0.824 | 0.002 |
| 3 | 24 | 0.825 | 0.827 | 0.002 |
| 5 | 25 | 0.820 | 0.822 | 0.002 |
| 5 | 26 | 0.820 | 0.822 | 0.002 |
| 5 | 27 | 0.829 | 0.829 | 0.000 |
| 5 | 28 | 0.820 | 0.824 | 0.004 |
| 5 | 29 | 0.822 | 0.824 | 0.002 |
| 10 | 30 | 0.818 | 0.827 | 0.009 |
| 10 | 31 | 0.816 | 0.824 | 0.008 |
| 10 | 32 | 0.810 | 0.820 | 0.010 |
| 10 | 33 | 0.818 | 0.827 | 0.009 |
| 10 | 34 | 0.822 | 0.831 | 0.009 |
| 15 | 35 | 0.820 | 0.831 | 0.011 |
| 15 | 36 | 0.825 | 0.831 | 0.006 |
| 15 | 37 | 0.822 | 0.831 | 0.009 |
| 15 | 38 | 0.814 | 0.824 | 0.010 |
| 15 | 39 | 0.825 | 0.835 | 0.010 |
| 30 | 40 | 0.796 | 0.827 | 0.031 |
| 30 | 41 | 0.792 | 0.824 | 0.032 |
| 30 | 42 | 0.792 | 0.824 | 0.032 |
| 30 | 43 | 0.796 | 0.825 | 0.029 |
| 30 | 44 | 0.804 | 0.835 | 0.031 |
| 35 | 45 | 0.792 | 0.824 | 0.032 |
| 35 | 46 | 0.812 | 0.829 | 0.017 |
| 35 | 47 | 0.796 | 0.825 | 0.029 |
| 35 | 48 | 0.798 | 0.829 | 0.031 |
| 35 | 49 | 0.796 | 0.827 | 0.031 |
| 50 | 50 | 0.777 | 0.827 | 0.050 |
| 50 | 51 | 0.771 | 0.824 | 0.053 |
| 50 | 52 | 0.777 | 0.825 | 0.048 |
| 50 | 53 | 0.777 | 0.829 | 0.052 |
| 50 | 54 | 0.787 | 0.833 | 0.046 |
| 55 | 55 | 0.781 | 0.831 | 0.050 |
| 55 | 56 | 0.800 | 0.831 | 0.031 |
| 55 | 57 | 0.771 | 0.820 | 0.049 |
| 55 | 58 | 0.777 | 0.827 | 0.050 |
| 55 | 59 | 0.781 | 0.829 | 0.048 |
| 100 | 60 | 0.724 | 0.818 | 0.094 |
| 100 | 61 | 0.734 | 0.827 | 0.093 |
| 100 | 62 | 0.738 | 0.827 | 0.089 |
| 100 | 63 | 0.730 | 0.824 | 0.094 |
| 100 | 64 | 0.742 | 0.831 | 0.089 |
| 105 | 65 | 0.732 | 0.824 | 0.092 |
| 105 | 66 | 0.738 | 0.827 | 0.089 |
| 105 | 67 | 0.756 | 0.820 | 0.064 |
| 105 | 68 | 0.759 | 0.820 | 0.061 |
| 105 | 69 | 0.730 | 0.825 | 0.095 |
| | Max | 0.835 | 0.835 | 0.095 |
| | Average | 0.794 | 0.827 | 0.033 |
| | Min | 0.724 | 0.818 | -0.002 |
| | Std Dev | 0.033 | 0.004 | 0.031 |




| | 6.140_PU1_VPOR_RISE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.3 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 0.831 | 0.820 | 0.822 | 0.820 | 0.824 | 0.824 | 0.824 | 0.824 | 0.820 | 0.818 | 0.820 |
| Average | 0.832 | 0.826 | 0.824 | 0.826 | 0.830 | 0.827 | 0.827 | 0.828 | 0.828 | 0.825 | 0.823 |
| Max | 0.833 | 0.833 | 0.829 | 0.831 | 0.835 | 0.835 | 0.829 | 0.833 | 0.831 | 0.831 | 0.827 |
| UL | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

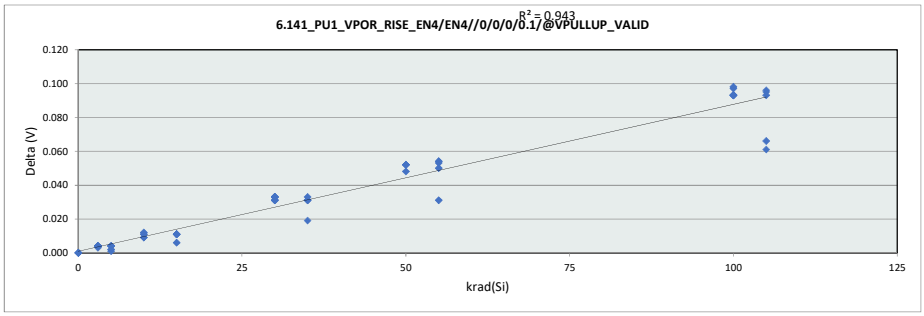


# TID HDR Report
# TPS7H3014-SP

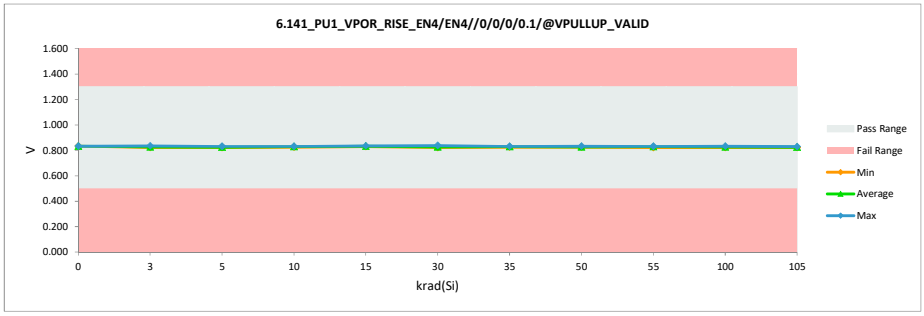
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.141_PU1_VPOR_RISE_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.4 | 1.3 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.833 | 0.833 | 0.000 |
| 0 | 14 | 0.833 | 0.833 | 0.000 |
| 0 | 15 | 0.833 | 0.833 | 0.000 |
| 3 | 20 | 0.824 | 0.827 | 0.003 |
| 3 | 21 | 0.831 | 0.835 | 0.004 |
| 3 | 22 | 0.818 | 0.822 | 0.004 |
| 3 | 23 | 0.820 | 0.824 | 0.004 |
| 3 | 24 | 0.825 | 0.829 | 0.004 |
| 5 | 25 | 0.818 | 0.822 | 0.004 |
| 5 | 26 | 0.818 | 0.822 | 0.004 |
| 5 | 27 | 0.829 | 0.831 | 0.002 |
| 5 | 28 | 0.820 | 0.824 | 0.004 |
| 5 | 29 | 0.824 | 0.825 | 0.001 |
| 10 | 30 | 0.818 | 0.829 | 0.011 |
| 10 | 31 | 0.816 | 0.825 | 0.009 |
| 10 | 32 | 0.812 | 0.824 | 0.012 |
| 10 | 33 | 0.822 | 0.831 | 0.009 |
| 10 | 34 | 0.820 | 0.831 | 0.011 |
| 15 | 35 | 0.818 | 0.829 | 0.011 |
| 15 | 36 | 0.827 | 0.833 | 0.006 |
| 15 | 37 | 0.824 | 0.835 | 0.011 |
| 15 | 38 | 0.818 | 0.829 | 0.011 |
| 15 | 39 | 0.824 | 0.835 | 0.011 |
| 30 | 40 | 0.798 | 0.831 | 0.033 |
| 30 | 41 | 0.791 | 0.824 | 0.033 |
| 30 | 42 | 0.791 | 0.822 | 0.031 |
| 30 | 43 | 0.792 | 0.825 | 0.033 |
| 30 | 44 | 0.806 | 0.837 | 0.031 |
| 35 | 45 | 0.796 | 0.829 | 0.033 |
| 35 | 46 | 0.806 | 0.825 | 0.019 |
| 35 | 47 | 0.798 | 0.829 | 0.031 |
| 35 | 48 | 0.798 | 0.829 | 0.031 |
| 35 | 49 | 0.800 | 0.831 | 0.031 |
| 50 | 50 | 0.775 | 0.827 | 0.052 |
| 50 | 51 | 0.773 | 0.825 | 0.052 |
| 50 | 52 | 0.777 | 0.829 | 0.052 |
| 50 | 53 | 0.773 | 0.825 | 0.052 |
| 50 | 54 | 0.785 | 0.833 | 0.048 |
| 55 | 55 | 0.775 | 0.829 | 0.054 |
| 55 | 56 | 0.800 | 0.831 | 0.031 |
| 55 | 57 | 0.769 | 0.822 | 0.053 |
| 55 | 58 | 0.777 | 0.831 | 0.054 |
| 55 | 59 | 0.779 | 0.829 | 0.050 |
| 100 | 60 | 0.724 | 0.822 | 0.098 |
| 100 | 61 | 0.728 | 0.825 | 0.097 |
| 100 | 62 | 0.736 | 0.829 | 0.093 |
| 100 | 63 | 0.734 | 0.827 | 0.093 |
| 100 | 64 | 0.740 | 0.833 | 0.093 |
| 105 | 65 | 0.730 | 0.825 | 0.095 |
| 105 | 66 | 0.736 | 0.829 | 0.093 |
| 105 | 67 | 0.758 | 0.824 | 0.066 |
| 105 | 68 | 0.761 | 0.822 | 0.061 |
| 105 | 69 | 0.728 | 0.824 | 0.096 |
| | Max | 0.833 | 0.837 | 0.098 |
| | Average | 0.794 | 0.828 | 0.034 |
| | Min | 0.724 | 0.822 | 0.000 |
| | Std Dev | 0.033 | 0.004 | 0.032 |




| | 6.141_PU1_VPOR_RISE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.3 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 0.833 | 0.822 | 0.822 | 0.824 | 0.829 | 0.822 | 0.825 | 0.825 | 0.822 | 0.822 | 0.822 |
| Average | 0.833 | 0.827 | 0.825 | 0.828 | 0.832 | 0.828 | 0.829 | 0.828 | 0.828 | 0.827 | 0.825 |
| Max | 0.833 | 0.835 | 0.831 | 0.831 | 0.835 | 0.837 | 0.831 | 0.833 | 0.831 | 0.833 | 0.829 |
| UL | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

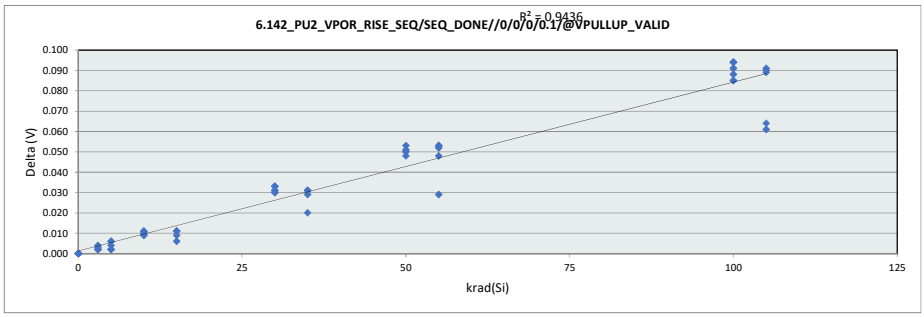


# TID HDR Report
# TPS7H3014-SP

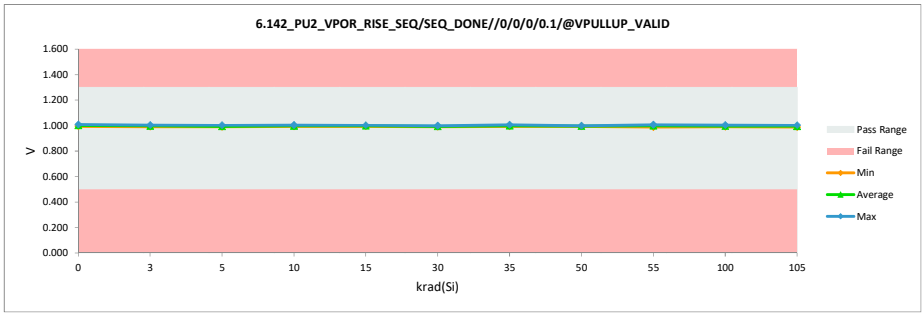
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.142_PU2_VPOR_RISE_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.4 | 1.3 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.008 | 1.008 | 0.000 |
| 0 | 14 | 1.000 | 1.000 | 0.000 |
| 0 | 15 | 0.994 | 0.994 | 0.000 |
| 3 | 20 | 0.996 | 1.000 | 0.004 |
| 3 | 21 | 1.002 | 1.004 | 0.002 |
| 3 | 22 | 0.993 | 0.996 | 0.003 |
| 3 | 23 | 0.994 | 0.996 | 0.002 |
| 3 | 24 | 0.989 | 0.991 | 0.002 |
| 5 | 25 | 0.991 | 0.993 | 0.002 |
| 5 | 26 | 0.989 | 0.993 | 0.004 |
| 5 | 27 | 1.000 | 1.002 | 0.002 |
| 5 | 28 | 0.983 | 0.989 | 0.006 |
| 5 | 29 | 0.985 | 0.991 | 0.006 |
| 10 | 30 | 0.985 | 0.994 | 0.009 |
| 10 | 31 | 0.983 | 0.994 | 0.011 |
| 10 | 32 | 0.983 | 0.993 | 0.010 |
| 10 | 33 | 0.993 | 1.004 | 0.011 |
| 10 | 34 | 0.991 | 1.000 | 0.009 |
| 15 | 35 | 0.985 | 0.996 | 0.011 |
| 15 | 36 | 0.994 | 1.000 | 0.006 |
| 15 | 37 | 0.991 | 1.002 | 0.011 |
| 15 | 38 | 0.983 | 0.994 | 0.011 |
| 15 | 39 | 0.989 | 0.998 | 0.009 |
| 30 | 40 | 0.965 | 0.998 | 0.033 |
| 30 | 41 | 0.960 | 0.991 | 0.031 |
| 30 | 42 | 0.958 | 0.991 | 0.033 |
| 30 | 43 | 0.961 | 0.991 | 0.030 |
| 30 | 44 | 0.967 | 0.998 | 0.031 |
| 35 | 45 | 0.967 | 0.998 | 0.031 |
| 35 | 46 | 0.973 | 0.993 | 0.020 |
| 35 | 47 | 0.977 | 1.006 | 0.029 |
| 35 | 48 | 0.963 | 0.994 | 0.031 |
| 35 | 49 | 0.967 | 0.998 | 0.031 |
| 50 | 50 | 0.942 | 0.993 | 0.051 |
| 50 | 51 | 0.944 | 0.994 | 0.050 |
| 50 | 52 | 0.948 | 0.998 | 0.050 |
| 50 | 53 | 0.940 | 0.993 | 0.053 |
| 50 | 54 | 0.950 | 0.998 | 0.048 |
| 55 | 55 | 0.938 | 0.991 | 0.053 |
| 55 | 56 | 0.975 | 1.004 | 0.029 |
| 55 | 57 | 0.934 | 0.987 | 0.053 |
| 55 | 58 | 0.950 | 1.002 | 0.052 |
| 55 | 59 | 0.958 | 1.006 | 0.048 |
| 100 | 60 | 0.895 | 0.989 | 0.094 |
| 100 | 61 | 0.899 | 0.993 | 0.094 |
| 100 | 62 | 0.905 | 0.993 | 0.088 |
| 100 | 63 | 0.907 | 0.998 | 0.091 |
| 100 | 64 | 0.919 | 1.004 | 0.085 |
| 105 | 65 | 0.905 | 0.994 | 0.089 |
| 105 | 66 | 0.899 | 0.989 | 0.090 |
| 105 | 67 | 0.938 | 1.002 | 0.064 |
| 105 | 68 | 0.926 | 0.987 | 0.061 |
| 105 | 69 | 0.909 | 1.000 | 0.091 |
| | Max | 1.008 | 1.008 | 0.094 |
| | Average | 0.963 | 0.996 | 0.033 |
| | Min | 0.895 | 0.987 | 0.000 |
| | Std Dev | 0.032 | 0.005 | 0.031 |




| | 6.142_PU2_VPOR_RISE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.3 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 0.994 | 0.991 | 0.989 | 0.993 | 0.994 | 0.991 | 0.993 | 0.993 | 0.987 | 0.989 | 0.987 |
| Average | 1.001 | 0.997 | 0.994 | 0.997 | 0.998 | 0.994 | 0.998 | 0.995 | 0.998 | 0.995 | 0.994 |
| Max | 1.008 | 1.004 | 1.002 | 1.004 | 1.002 | 0.998 | 1.006 | 0.998 | 1.006 | 1.004 | 1.002 |
| UL | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

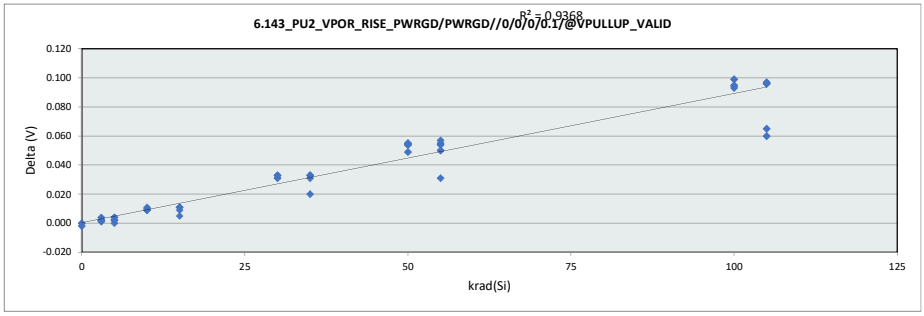


# TID HDR Report
# TPS7H3014-SP

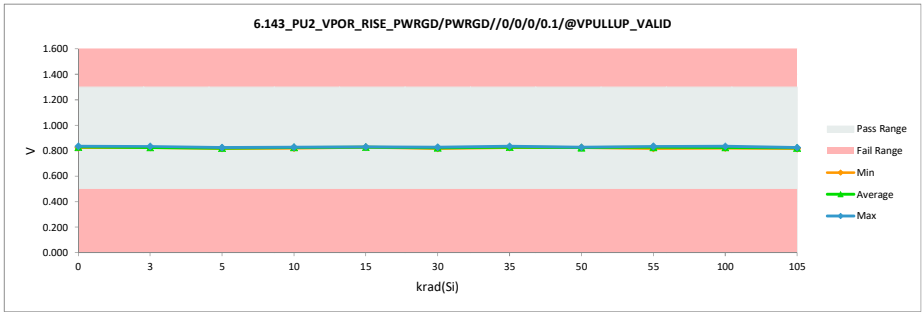
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.143_PU2_VPOR_RISE_P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V | V |
| Max Limit | 1.4 | 1.3 |
| Min Limit | 0 | 0.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.835 | 0.835 | 0.000 |
| 0 | 14 | 0.827 | 0.827 | 0.000 |
| 0 | 15 | 0.827 | 0.825 | -0.002 |
| 3 | 20 | 0.824 | 0.825 | 0.001 |
| 3 | 21 | 0.831 | 0.833 | 0.002 |
| 3 | 22 | 0.822 | 0.824 | 0.002 |
| 3 | 23 | 0.822 | 0.824 | 0.002 |
| 3 | 24 | 0.820 | 0.824 | 0.004 |
| 5 | 25 | 0.816 | 0.820 | 0.004 |
| 5 | 26 | 0.818 | 0.820 | 0.002 |
| 5 | 27 | 0.825 | 0.825 | 0.000 |
| 5 | 28 | 0.816 | 0.820 | 0.004 |
| 5 | 29 | 0.816 | 0.818 | 0.002 |
| 10 | 30 | 0.816 | 0.825 | 0.009 |
| 10 | 31 | 0.810 | 0.820 | 0.010 |
| 10 | 32 | 0.816 | 0.825 | 0.009 |
| 10 | 33 | 0.818 | 0.829 | 0.011 |
| 10 | 34 | 0.820 | 0.829 | 0.009 |
| 15 | 35 | 0.816 | 0.827 | 0.011 |
| 15 | 36 | 0.822 | 0.827 | 0.005 |
| 15 | 37 | 0.820 | 0.831 | 0.011 |
| 15 | 38 | 0.816 | 0.827 | 0.011 |
| 15 | 39 | 0.818 | 0.827 | 0.009 |
| 30 | 40 | 0.791 | 0.824 | 0.033 |
| 30 | 41 | 0.791 | 0.822 | 0.031 |
| 30 | 42 | 0.785 | 0.818 | 0.033 |
| 30 | 43 | 0.789 | 0.822 | 0.033 |
| 30 | 44 | 0.796 | 0.827 | 0.031 |
| 35 | 45 | 0.796 | 0.829 | 0.033 |
| 35 | 46 | 0.804 | 0.824 | 0.020 |
| 35 | 47 | 0.804 | 0.835 | 0.031 |
| 35 | 48 | 0.791 | 0.824 | 0.033 |
| 35 | 49 | 0.794 | 0.827 | 0.033 |
| 50 | 50 | 0.769 | 0.824 | 0.055 |
| 50 | 51 | 0.771 | 0.825 | 0.054 |
| 50 | 52 | 0.773 | 0.827 | 0.054 |
| 50 | 53 | 0.769 | 0.824 | 0.055 |
| 50 | 54 | 0.775 | 0.824 | 0.049 |
| 55 | 55 | 0.767 | 0.824 | 0.057 |
| 55 | 56 | 0.802 | 0.833 | 0.031 |
| 55 | 57 | 0.763 | 0.818 | 0.055 |
| 55 | 58 | 0.777 | 0.831 | 0.054 |
| 55 | 59 | 0.781 | 0.831 | 0.050 |
| 100 | 60 | 0.721 | 0.820 | 0.099 |
| 100 | 61 | 0.723 | 0.822 | 0.099 |
| 100 | 62 | 0.728 | 0.822 | 0.094 |
| 100 | 63 | 0.734 | 0.829 | 0.095 |
| 100 | 64 | 0.742 | 0.835 | 0.093 |
| 105 | 65 | 0.728 | 0.824 | 0.096 |
| 105 | 66 | 0.724 | 0.820 | 0.096 |
| 105 | 67 | 0.759 | 0.824 | 0.065 |
| 105 | 68 | 0.756 | 0.816 | 0.060 |
| 105 | 69 | 0.728 | 0.825 | 0.097 |
| | Max | 0.835 | 0.835 | 0.099 |
| | Average | 0.791 | 0.825 | 0.035 |
| | Min | 0.721 | 0.816 | -0.002 |
| | Std Dev | 0.034 | 0.005 | 0.033 |




| | 6.143_PU2_VPOR_RISE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.3 | V | | | | | | | | | |
| Min Limit | 0.5 | V | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Min | 0.825 | 0.824 | 0.818 | 0.820 | 0.827 | 0.818 | 0.824 | 0.824 | 0.818 | 0.820 | 0.816 |
| Average | 0.829 | 0.826 | 0.821 | 0.826 | 0.828 | 0.823 | 0.828 | 0.825 | 0.827 | 0.826 | 0.822 |
| Max | 0.835 | 0.833 | 0.825 | 0.829 | 0.831 | 0.827 | 0.835 | 0.827 | 0.833 | 0.835 | 0.825 |
| UL | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 | 1.300 |

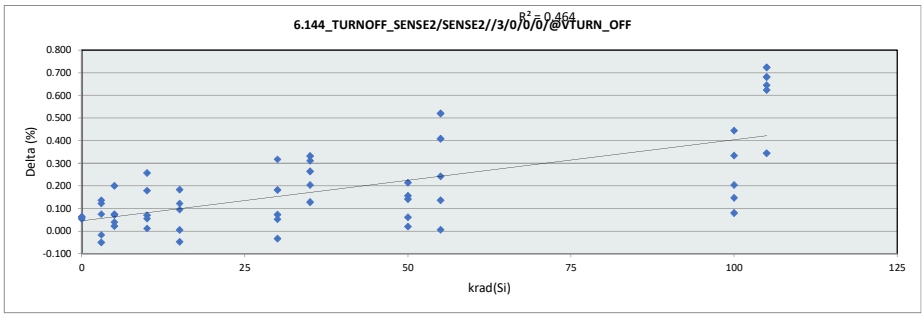


# TID HDR Report
# TPS7H3014-SP

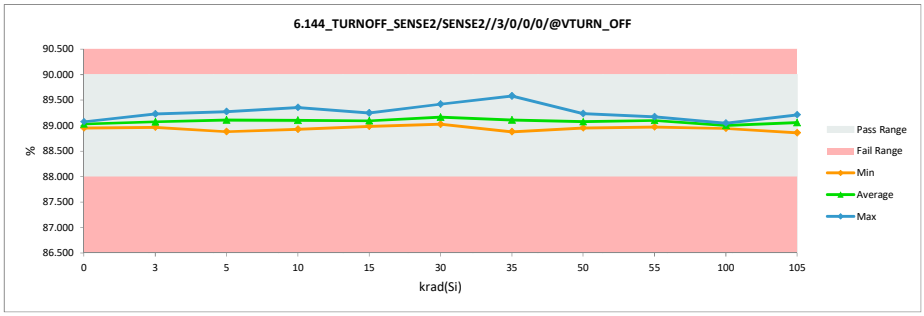
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.144_TURNOFF_SENSE2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 91 | 90 |
| Min Limit | 87 | 88 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 89.021 | 89.074 | 0.053 |
| 0 | 14 | 89.007 | 89.067 | 0.060 |
| 0 | 15 | 88.889 | 88.952 | 0.063 |
| 3 | 20 | 88.967 | 89.102 | 0.135 |
| 3 | 21 | 89.039 | 89.021 | -0.018 |
| 3 | 22 | 89.153 | 89.227 | 0.074 |
| 3 | 23 | 88.932 | 89.053 | 0.121 |
| 3 | 24 | 89.017 | 88.966 | -0.051 |
| 5 | 25 | 88.842 | 88.881 | 0.039 |
| 5 | 26 | 88.972 | 89.046 | 0.074 |
| 5 | 27 | 89.154 | 89.175 | 0.021 |
| 5 | 28 | 89.202 | 89.272 | 0.070 |
| 5 | 29 | 88.970 | 89.169 | 0.199 |
| 10 | 30 | 88.977 | 89.233 | 0.256 |
| 10 | 31 | 89.176 | 89.354 | 0.178 |
| 10 | 32 | 88.927 | 88.996 | 0.069 |
| 10 | 33 | 88.955 | 89.009 | 0.054 |
| 10 | 34 | 88.917 | 88.928 | 0.011 |
| 15 | 35 | 89.109 | 89.061 | -0.048 |
| 15 | 36 | 88.955 | 89.049 | 0.094 |
| 15 | 37 | 89.003 | 89.124 | 0.121 |
| 15 | 38 | 88.980 | 88.984 | 0.004 |
| 15 | 39 | 89.066 | 89.248 | 0.182 |
| 30 | 40 | 89.054 | 89.105 | 0.051 |
| 30 | 41 | 89.037 | 89.109 | 0.072 |
| 30 | 42 | 89.104 | 89.420 | 0.316 |
| 30 | 43 | 88.987 | 89.168 | 0.181 |
| 30 | 44 | 89.060 | 89.026 | -0.034 |
| 35 | 45 | 88.618 | 88.949 | 0.331 |
| 35 | 46 | 89.378 | 89.581 | 0.203 |
| 35 | 47 | 88.751 | 88.878 | 0.127 |
| 35 | 48 | 88.850 | 89.113 | 0.263 |
| 35 | 49 | 88.723 | 89.033 | 0.310 |
| 50 | 50 | 88.974 | 89.187 | 0.213 |
| 50 | 51 | 88.935 | 88.995 | 0.060 |
| 50 | 52 | 88.856 | 89.011 | 0.155 |
| 50 | 53 | 88.811 | 88.951 | 0.140 |
| 50 | 54 | 89.216 | 89.235 | 0.019 |
| 55 | 55 | 89.036 | 89.171 | 0.135 |
| 55 | 56 | 88.966 | 88.971 | 0.005 |
| 55 | 57 | 88.893 | 89.134 | 0.241 |
| 55 | 58 | 88.698 | 89.105 | 0.407 |
| 55 | 59 | 88.602 | 89.121 | 0.519 |
| 100 | 60 | 88.603 | 89.046 | 0.443 |
| 100 | 61 | 88.840 | 89.043 | 0.203 |
| 100 | 62 | 88.796 | 88.942 | 0.146 |
| 100 | 63 | 88.619 | 88.952 | 0.333 |
| 100 | 64 | 88.940 | 89.019 | 0.079 |
| 105 | 65 | 88.178 | 88.858 | 0.680 |
| 105 | 66 | 88.568 | 89.212 | 0.644 |
| 105 | 67 | 88.578 | 88.921 | 0.343 |
| 105 | 68 | 88.468 | 89.191 | 0.723 |
| 105 | 69 | 88.477 | 89.100 | 0.623 |
| | Max | 89.378 | 89.581 | 0.723 |
| | Average | 88.903 | 89.086 | 0.183 |
| | Min | 88.178 | 88.858 | -0.051 |
| | Std Dev | 0.220 | 0.139 | 0.189 |




| | 6.144_TURNOFF_SENSE2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 90 | % | | | | | | | | | |
| Min Limit | 88 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 |
| Min | 88.952 | 88.966 | 88.881 | 88.928 | 88.984 | 89.026 | 88.878 | 88.951 | 88.971 | 88.942 | 88.858 |
| Average | 89.031 | 89.074 | 89.109 | 89.104 | 89.093 | 89.166 | 89.111 | 89.076 | 89.100 | 89.000 | 89.056 |
| Max | 89.074 | 89.227 | 89.272 | 89.354 | 89.248 | 89.420 | 89.581 | 89.235 | 89.171 | 89.046 | 89.212 |
| UL | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 |

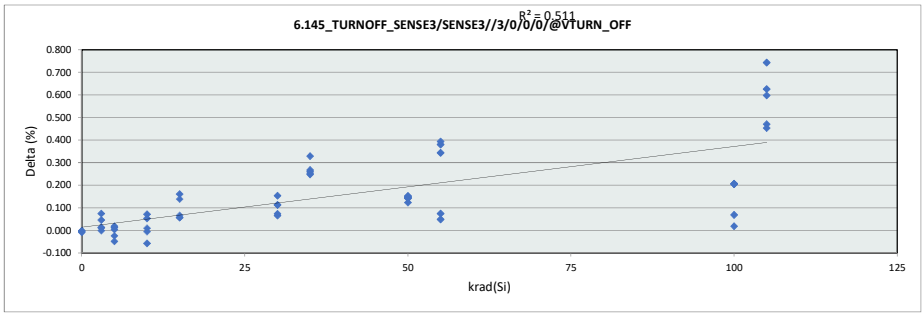


# TID HDR Report
# TPS7H3014-SP

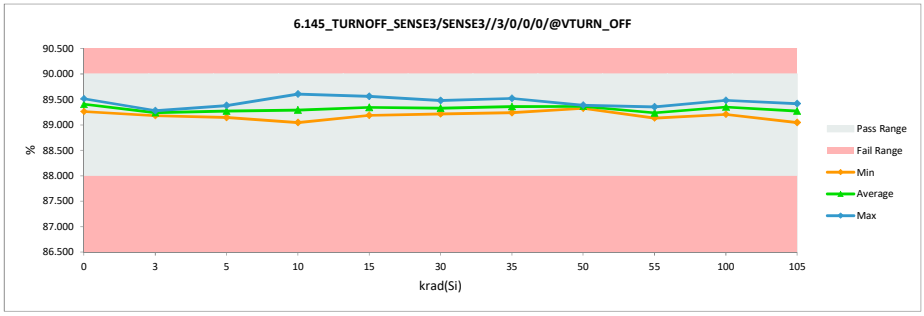
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.145_TURNOFF_SENSE3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 91 | 90 |
| Min Limit | 87 | 88 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 89.272 | 89.263 | -0.009 |
| 0 | 14 | 89.445 | 89.441 | -0.004 |
| 0 | 15 | 89.516 | 89.514 | -0.002 |
| 3 | 20 | 89.218 | 89.229 | 0.011 |
| 3 | 21 | 89.228 | 89.273 | 0.045 |
| 3 | 22 | 89.154 | 89.228 | 0.074 |
| 3 | 23 | 89.182 | 89.180 | -0.002 |
| 3 | 24 | 89.267 | 89.280 | 0.013 |
| 5 | 25 | 89.406 | 89.381 | -0.025 |
| 5 | 26 | 89.347 | 89.298 | -0.049 |
| 5 | 27 | 89.281 | 89.299 | 0.018 |
| 5 | 28 | 89.143 | 89.146 | 0.003 |
| 5 | 29 | 89.220 | 89.233 | 0.013 |
| 10 | 30 | 89.103 | 89.045 | -0.058 |
| 10 | 31 | 89.553 | 89.606 | 0.053 |
| 10 | 32 | 89.302 | 89.373 | 0.071 |
| 10 | 33 | 89.329 | 89.323 | -0.006 |
| 10 | 34 | 89.105 | 89.114 | 0.009 |
| 15 | 35 | 89.422 | 89.560 | 0.138 |
| 15 | 36 | 89.204 | 89.364 | 0.160 |
| 15 | 37 | 89.316 | 89.373 | 0.057 |
| 15 | 38 | 89.168 | 89.234 | 0.066 |
| 15 | 39 | 89.130 | 89.186 | 0.056 |
| 30 | 40 | 89.366 | 89.479 | 0.113 |
| 30 | 41 | 89.162 | 89.235 | 0.073 |
| 30 | 42 | 89.356 | 89.421 | 0.065 |
| 30 | 43 | 89.180 | 89.292 | 0.112 |
| 30 | 44 | 89.062 | 89.215 | 0.153 |
| 35 | 45 | 89.057 | 89.324 | 0.267 |
| 35 | 46 | 89.192 | 89.520 | 0.328 |
| 35 | 47 | 89.128 | 89.381 | 0.253 |
| 35 | 48 | 88.977 | 89.238 | 0.261 |
| 35 | 49 | 89.099 | 89.346 | 0.247 |
| 50 | 50 | 89.225 | 89.374 | 0.149 |
| 50 | 51 | 89.249 | 89.372 | 0.123 |
| 50 | 52 | 89.235 | 89.387 | 0.152 |
| 50 | 53 | 89.184 | 89.326 | 0.142 |
| 50 | 54 | 89.217 | 89.362 | 0.145 |
| 55 | 55 | 89.223 | 89.297 | 0.074 |
| 55 | 56 | 88.779 | 89.159 | 0.380 |
| 55 | 57 | 89.086 | 89.134 | 0.048 |
| 55 | 58 | 89.011 | 89.354 | 0.343 |
| 55 | 59 | 88.852 | 89.245 | 0.393 |
| 100 | 60 | 89.355 | 89.423 | 0.068 |
| 100 | 61 | 89.278 | 89.483 | 0.205 |
| 100 | 62 | 89.052 | 89.256 | 0.204 |
| 100 | 63 | 89.182 | 89.389 | 0.207 |
| 100 | 64 | 89.190 | 89.208 | 0.018 |
| 105 | 65 | 88.618 | 89.360 | 0.742 |
| 105 | 66 | 88.949 | 89.402 | 0.453 |
| 105 | 67 | 88.577 | 89.047 | 0.470 |
| 105 | 68 | 88.533 | 89.130 | 0.597 |
| 105 | 69 | 88.790 | 89.415 | 0.625 |
| | Max | 89.553 | 89.606 | 0.742 |
| | Average | 89.160 | 89.312 | 0.152 |
| | Min | 88.533 | 89.045 | -0.058 |
| | Std Dev | 0.213 | 0.124 | 0.179 |




| | 6.145_TURNOFF_SENSE3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 90 | % | | | | | | | | | |
| Min Limit | 88 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 |
| Min | 89.263 | 89.180 | 89.146 | 89.045 | 89.186 | 89.215 | 89.238 | 89.326 | 89.134 | 89.208 | 89.047 |
| Average | 89.406 | 89.238 | 89.271 | 89.292 | 89.343 | 89.328 | 89.362 | 89.364 | 89.238 | 89.352 | 89.271 |
| Max | 89.514 | 89.280 | 89.381 | 89.606 | 89.560 | 89.479 | 89.520 | 89.387 | 89.354 | 89.483 | 89.415 |
| UL | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 |

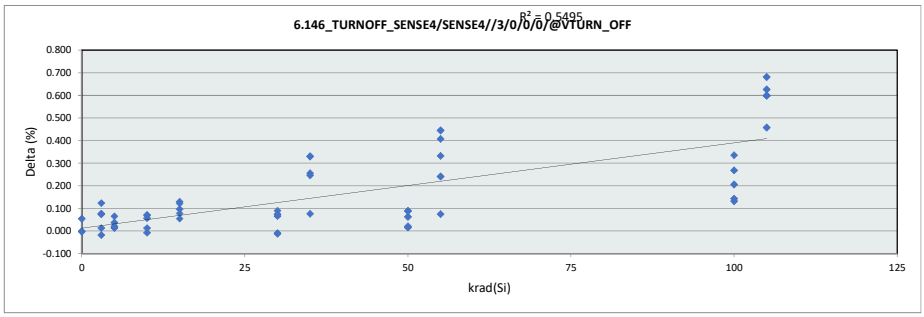


# TID HDR Report
# TPS7H3014-SP

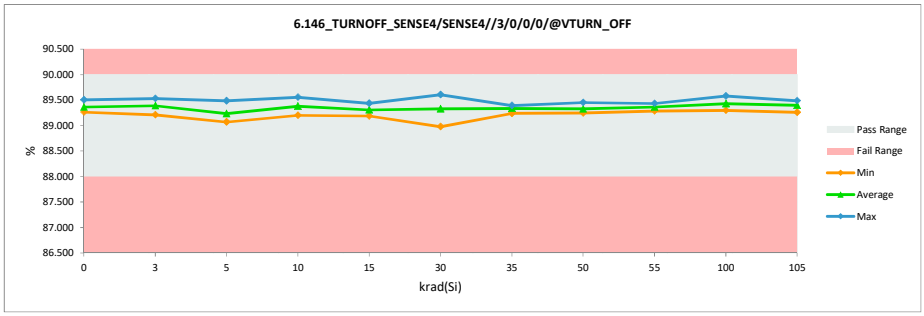
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.146_TURNOFF_SENSE4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | % | % |
| Max Limit | 91 | 90 |
| Min Limit | 87 | 88 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 89.271 | 89.324 | 0.053 |
| 0 | 14 | 89.509 | 89.505 | -0.004 |
| 0 | 15 | 89.265 | 89.263 | -0.002 |
| 3 | 20 | 89.343 | 89.416 | 0.073 |
| 3 | 21 | 89.229 | 89.210 | -0.019 |
| 3 | 22 | 89.341 | 89.353 | 0.012 |
| 3 | 23 | 89.307 | 89.429 | 0.122 |
| 3 | 24 | 89.455 | 89.531 | 0.076 |
| 5 | 25 | 89.033 | 89.069 | 0.036 |
| 5 | 26 | 89.097 | 89.110 | 0.013 |
| 5 | 27 | 89.218 | 89.237 | 0.019 |
| 5 | 28 | 89.205 | 89.269 | 0.064 |
| 5 | 29 | 89.470 | 89.483 | 0.013 |
| 10 | 30 | 89.353 | 89.421 | 0.068 |
| 10 | 31 | 89.490 | 89.481 | -0.009 |
| 10 | 32 | 89.177 | 89.248 | 0.071 |
| 10 | 33 | 89.143 | 89.199 | 0.056 |
| 10 | 34 | 89.544 | 89.556 | 0.012 |
| 15 | 35 | 89.358 | 89.435 | 0.077 |
| 15 | 36 | 89.142 | 89.238 | 0.096 |
| 15 | 37 | 89.066 | 89.187 | 0.121 |
| 15 | 38 | 89.106 | 89.234 | 0.128 |
| 15 | 39 | 89.382 | 89.436 | 0.054 |
| 30 | 40 | 88.991 | 88.977 | -0.014 |
| 30 | 41 | 89.225 | 89.298 | 0.073 |
| 30 | 42 | 89.418 | 89.483 | 0.065 |
| 30 | 43 | 89.616 | 89.606 | -0.010 |
| 30 | 44 | 89.188 | 89.277 | 0.089 |
| 35 | 45 | 88.996 | 89.326 | 0.330 |
| 35 | 46 | 89.064 | 89.392 | 0.328 |
| 35 | 47 | 89.126 | 89.381 | 0.255 |
| 35 | 48 | 89.163 | 89.238 | 0.075 |
| 35 | 49 | 89.100 | 89.345 | 0.245 |
| 50 | 50 | 89.224 | 89.312 | 0.088 |
| 50 | 51 | 89.184 | 89.246 | 0.062 |
| 50 | 52 | 89.236 | 89.324 | 0.088 |
| 50 | 53 | 89.437 | 89.452 | 0.015 |
| 50 | 54 | 89.279 | 89.299 | 0.020 |
| 55 | 55 | 89.348 | 89.422 | 0.074 |
| 55 | 56 | 88.841 | 89.285 | 0.444 |
| 55 | 57 | 89.146 | 89.386 | 0.240 |
| 55 | 58 | 88.885 | 89.291 | 0.406 |
| 55 | 59 | 89.102 | 89.433 | 0.331 |
| 100 | 60 | 89.166 | 89.297 | 0.131 |
| 100 | 61 | 89.278 | 89.420 | 0.142 |
| 100 | 62 | 89.177 | 89.382 | 0.205 |
| 100 | 63 | 89.244 | 89.578 | 0.334 |
| 100 | 64 | 89.192 | 89.459 | 0.267 |
| 105 | 65 | 88.680 | 89.360 | 0.680 |
| 105 | 66 | 89.008 | 89.464 | 0.456 |
| 105 | 67 | 88.890 | 89.487 | 0.597 |
| 105 | 68 | 88.660 | 89.258 | 0.598 |
| 105 | 69 | 88.790 | 89.415 | 0.625 |
| | Max | 89.616 | 89.606 | 0.680 |
| | Average | 89.192 | 89.350 | 0.158 |
| | Min | 88.660 | 88.977 | -0.019 |
| | Std Dev | 0.205 | 0.127 | 0.183 |




| | 6.146_TURNOFF_SENSE4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 90 | % | | | | | | | | | |
| Min Limit | 88 | % | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 | 88.000 |
| Min | 89.263 | 89.210 | 89.069 | 89.199 | 89.187 | 88.977 | 89.238 | 89.246 | 89.285 | 89.297 | 89.258 |
| Average | 89.364 | 89.388 | 89.234 | 89.381 | 89.306 | 89.328 | 89.336 | 89.327 | 89.363 | 89.427 | 89.397 |
| Max | 89.505 | 89.531 | 89.483 | 89.556 | 89.436 | 89.606 | 89.392 | 89.452 | 89.433 | 89.578 | 89.487 |
| UL | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 | 90.000 |

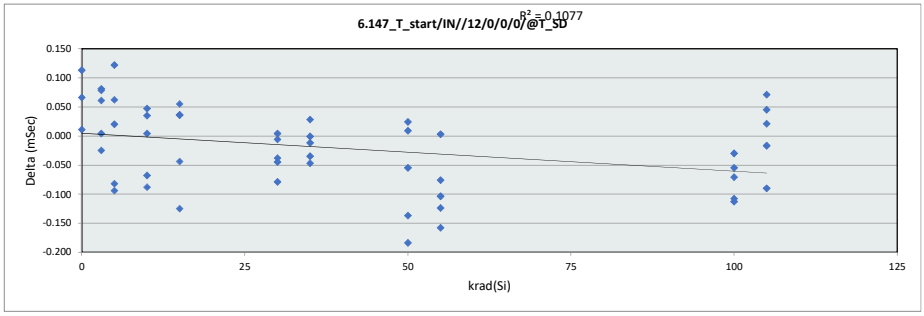


# TID HDR Report
# TPS7H3014-SP

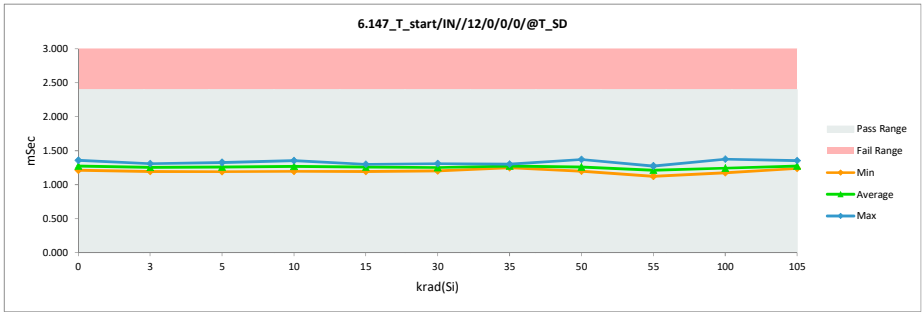
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 6.147_T_start/IN//12/0/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 2.8 | 2.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 1.292 | 1.358 | 0.066 |
| 0 | 14 | 1.241 | 1.252 | 0.011 |
| 0 | 15 | 1.100 | 1.213 | 0.113 |
| 3 | 20 | 1.229 | 1.307 | 0.078 |
| 3 | 21 | 1.228 | 1.309 | 0.081 |
| 3 | 22 | 1.221 | 1.196 | -0.025 |
| 3 | 23 | 1.211 | 1.272 | 0.061 |
| 3 | 24 | 1.189 | 1.193 | 0.004 |
| 5 | 25 | 1.201 | 1.323 | 0.122 |
| 5 | 26 | 1.354 | 1.272 | -0.082 |
| 5 | 27 | 1.285 | 1.191 | -0.094 |
| 5 | 28 | 1.173 | 1.193 | 0.020 |
| 5 | 29 | 1.264 | 1.326 | 0.062 |
| 10 | 30 | 1.307 | 1.354 | 0.047 |
| 10 | 31 | 1.348 | 1.280 | -0.068 |
| 10 | 32 | 1.285 | 1.197 | -0.088 |
| 10 | 33 | 1.190 | 1.225 | 0.035 |
| 10 | 34 | 1.294 | 1.298 | 0.004 |
| 15 | 35 | 1.319 | 1.194 | -0.125 |
| 15 | 36 | 1.264 | 1.300 | 0.036 |
| 15 | 37 | 1.215 | 1.270 | 0.055 |
| 15 | 38 | 1.236 | 1.272 | 0.036 |
| 15 | 39 | 1.307 | 1.263 | -0.044 |
| 30 | 40 | 1.282 | 1.203 | -0.079 |
| 30 | 41 | 1.304 | 1.266 | -0.038 |
| 30 | 42 | 1.252 | 1.256 | 0.004 |
| 30 | 43 | 1.281 | 1.236 | -0.045 |
| 30 | 44 | 1.315 | 1.309 | -0.006 |
| 35 | 45 | 1.315 | 1.268 | -0.047 |
| 35 | 46 | 1.220 | 1.248 | 0.028 |
| 35 | 47 | 1.303 | 1.302 | -0.001 |
| 35 | 48 | 1.300 | 1.288 | -0.012 |
| 35 | 49 | 1.301 | 1.266 | -0.035 |
| 50 | 50 | 1.322 | 1.267 | -0.055 |
| 50 | 51 | 1.390 | 1.206 | -0.184 |
| 50 | 52 | 1.362 | 1.371 | 0.009 |
| 50 | 53 | 1.237 | 1.261 | 0.024 |
| 50 | 54 | 1.335 | 1.198 | -0.137 |
| 55 | 55 | 1.351 | 1.275 | -0.076 |
| 55 | 56 | 1.247 | 1.123 | -0.124 |
| 55 | 57 | 1.372 | 1.214 | -0.158 |
| 55 | 58 | 1.323 | 1.219 | -0.104 |
| 55 | 59 | 1.237 | 1.240 | 0.003 |
| 100 | 60 | 1.288 | 1.175 | -0.113 |
| 100 | 61 | 1.405 | 1.375 | -0.030 |
| 100 | 62 | 1.236 | 1.181 | -0.055 |
| 100 | 63 | 1.364 | 1.256 | -0.108 |
| 100 | 64 | 1.305 | 1.234 | -0.071 |
| 105 | 65 | 1.208 | 1.253 | 0.045 |
| 105 | 66 | 1.258 | 1.279 | 0.021 |
| 105 | 67 | 1.263 | 1.246 | -0.017 |
| 105 | 68 | 1.282 | 1.353 | 0.071 |
| 105 | 69 | 1.328 | 1.238 | -0.090 |
| | Max | 1.405 | 1.375 | 0.122 |
| | Average | 1.278 | 1.258 | -0.020 |
| | Min | 1.100 | 1.123 | -0.184 |
| | Std Dev | 0.060 | 0.054 | 0.071 |




| | 6.147_T_start/IN//12/0 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 2.4 | mSec | | | | | | | | | |
| Min Limit | 0 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 1.213 | 1.193 | 1.191 | 1.197 | 1.194 | 1.203 | 1.248 | 1.198 | 1.123 | 1.175 | 1.238 |
| Average | 1.274 | 1.255 | 1.261 | 1.271 | 1.260 | 1.254 | 1.274 | 1.261 | 1.214 | 1.244 | 1.274 |
| Max | 1.358 | 1.309 | 1.326 | 1.354 | 1.300 | 1.309 | 1.302 | 1.371 | 1.275 | 1.375 | 1.353 |
| UL | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 | 2.400 |

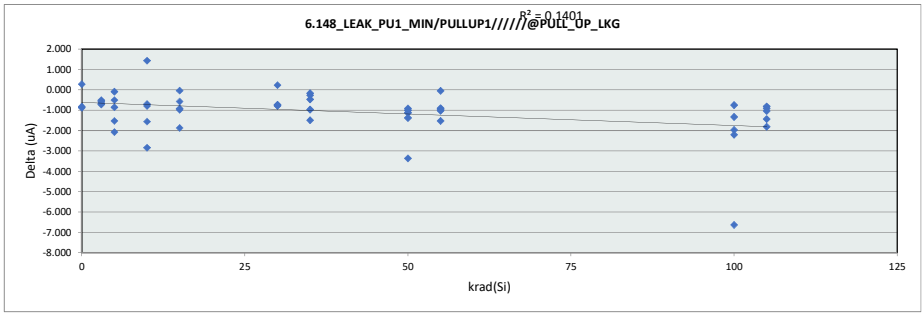


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

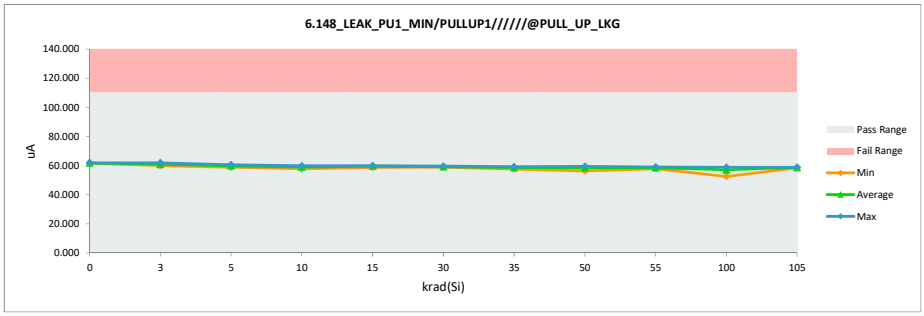
| | 6.148_LEAK_PU1_MIN/PU | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 121 | 110 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 62.564 | 61.731 | -0.833 |
| 0 | 14 | 62.727 | 61.848 | -0.879 |
| 0 | 15 | 61.399 | 61.670 | 0.271 |
| 3 | 20 | 62.394 | 61.879 | -0.515 |
| 3 | 21 | 61.051 | 60.459 | -0.592 |
| 3 | 22 | 61.666 | 61.118 | -0.548 |
| 3 | 23 | 61.167 | 60.499 | -0.668 |
| 3 | 24 | 60.818 | 60.093 | -0.725 |
| 5 | 25 | 61.377 | 60.514 | -0.863 |
| 5 | 26 | 60.404 | 60.311 | -0.093 |
| 5 | 27 | 60.584 | 59.048 | -1.536 |
| 5 | 28 | 60.793 | 60.279 | -0.514 |
| 5 | 29 | 61.321 | 59.239 | -2.082 |
| 10 | 30 | 60.641 | 57.794 | -2.847 |
| 10 | 31 | 60.511 | 58.942 | -1.569 |
| 10 | 32 | 60.372 | 59.572 | -0.800 |
| 10 | 33 | 60.502 | 59.796 | -0.706 |
| 10 | 34 | 57.471 | 58.892 | 1.421 |
| 15 | 35 | 60.916 | 59.984 | -0.932 |
| 15 | 36 | 60.611 | 58.732 | -1.879 |
| 15 | 37 | 59.942 | 59.895 | -0.047 |
| 15 | 38 | 60.099 | 59.524 | -0.575 |
| 15 | 39 | 60.615 | 59.626 | -0.989 |
| 30 | 40 | 59.653 | 58.909 | -0.744 |
| 30 | 41 | 60.319 | 59.568 | -0.751 |
| 30 | 42 | 60.067 | 59.268 | -0.799 |
| 30 | 43 | 59.970 | 59.206 | -0.764 |
| 30 | 44 | 59.211 | 59.433 | 0.222 |
| 35 | 45 | 59.677 | 59.208 | -0.469 |
| 35 | 46 | 59.970 | 58.987 | -0.983 |
| 35 | 47 | 58.532 | 58.256 | -0.276 |
| 35 | 48 | 59.021 | 57.522 | -1.499 |
| 35 | 49 | 59.430 | 59.252 | -0.178 |
| 50 | 50 | 59.826 | 58.689 | -1.137 |
| 50 | 51 | 60.830 | 59.440 | -1.390 |
| 50 | 52 | 59.887 | 58.877 | -1.010 |
| 50 | 53 | 60.104 | 59.183 | -0.921 |
| 50 | 54 | 59.764 | 56.391 | -3.373 |
| 55 | 55 | 59.956 | 58.965 | -0.991 |
| 55 | 56 | 58.291 | 58.233 | -0.058 |
| 55 | 57 | 59.494 | 58.461 | -1.033 |
| 55 | 58 | 59.995 | 59.084 | -0.911 |
| 55 | 59 | 59.456 | 57.921 | -1.535 |
| 100 | 60 | 60.284 | 58.943 | -1.341 |
| 100 | 61 | 59.863 | 57.646 | -2.217 |
| 100 | 62 | 59.909 | 57.931 | -1.978 |
| 100 | 63 | 59.178 | 52.534 | -6.644 |
| 100 | 64 | 59.336 | 58.579 | -0.757 |
| 105 | 65 | 59.342 | 58.418 | -0.924 |
| 105 | 66 | 59.558 | 58.510 | -1.048 |
| 105 | 67 | 60.637 | 58.812 | -1.825 |
| 105 | 68 | 59.952 | 58.504 | -1.448 |
| 105 | 69 | 59.680 | 58.855 | -0.825 |
| | Max | 62.727 | 61.879 | 1.421 |
| | Average | 60.210 | 59.152 | -1.059 |
| | Min | 57.471 | 52.534 | -6.644 |
| | Std Dev | 0.982 | 1.448 | 1.094 |




| | 6.148_LEAK_PU1_MIN/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 110 | uA |
| Min Limit | 0 | uA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 61.670 | 60.093 | 59.048 | 57.794 | 58.732 | 58.909 | 57.522 | 56.391 | 57.921 | 52.534 | 58.418 |
| Average | 61.750 | 60.810 | 59.878 | 58.999 | 59.552 | 59.277 | 58.645 | 58.516 | 58.533 | 57.127 | 58.620 |
| Max | 61.848 | 61.879 | 60.514 | 59.796 | 59.984 | 59.568 | 59.252 | 59.440 | 59.084 | 58.943 | 58.855 |
| UL | 110.000 | 110.000 | 110.000 | 110.000 | #### | 110.000 | #### | #### | 110.000 | #### | 110.000 |

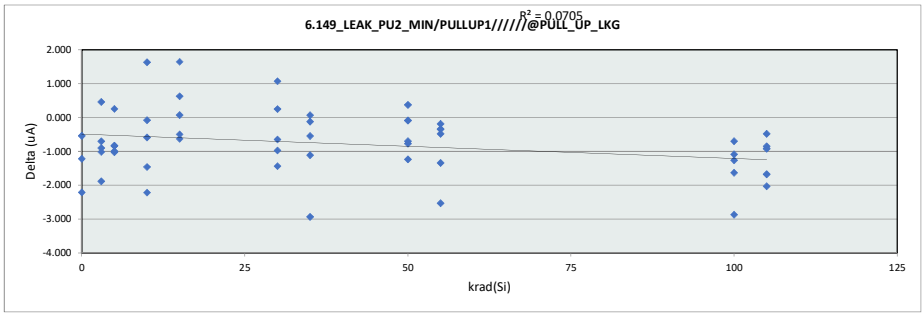


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

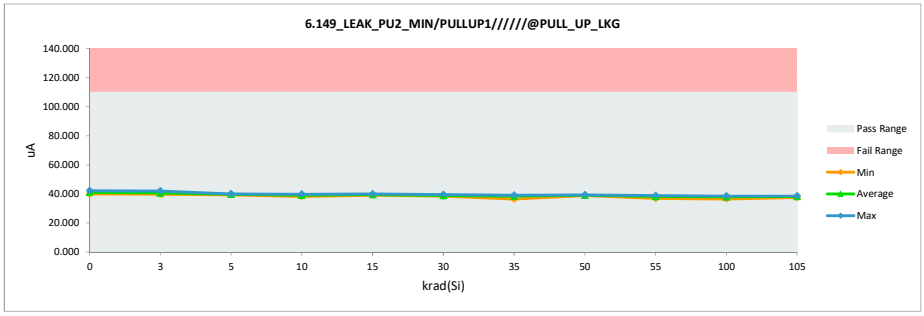
| | 6.149_LEAK_PU2_MIN/PU | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 121 | 110 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 43.390 | 42.163 | -1.227 |
| 0 | 14 | 41.576 | 41.027 | -0.549 |
| 0 | 15 | 42.116 | 39.897 | -2.219 |
| 3 | 20 | 41.526 | 41.978 | 0.452 |
| 3 | 21 | 41.670 | 39.779 | -1.891 |
| 3 | 22 | 41.340 | 40.628 | -0.712 |
| 3 | 23 | 41.081 | 40.056 | -1.025 |
| 3 | 24 | 41.056 | 40.148 | -0.908 |
| 5 | 25 | 40.937 | 39.935 | -1.002 |
| 5 | 26 | 40.758 | 39.913 | -0.845 |
| 5 | 27 | 39.585 | 39.834 | 0.249 |
| 5 | 28 | 40.185 | 39.340 | -0.845 |
| 5 | 29 | 40.610 | 39.582 | -1.028 |
| 10 | 30 | 40.467 | 38.245 | -2.222 |
| 10 | 31 | 39.878 | 39.792 | -0.086 |
| 10 | 32 | 39.790 | 38.323 | -1.467 |
| 10 | 33 | 40.197 | 39.601 | -0.596 |
| 10 | 34 | 38.233 | 39.853 | 1.620 |
| 15 | 35 | 38.714 | 39.332 | 0.618 |
| 15 | 36 | 38.052 | 39.689 | 1.637 |
| 15 | 37 | 40.494 | 39.988 | -0.506 |
| 15 | 38 | 39.126 | 39.191 | 0.065 |
| 15 | 39 | 40.208 | 39.569 | -0.639 |
| 30 | 40 | 39.942 | 38.500 | -1.442 |
| 30 | 41 | 38.507 | 39.571 | 1.064 |
| 30 | 42 | 39.788 | 38.805 | -0.983 |
| 30 | 43 | 39.528 | 38.870 | -0.658 |
| 30 | 44 | 38.887 | 39.129 | 0.242 |
| 35 | 45 | 39.611 | 38.493 | -1.118 |
| 35 | 46 | 38.929 | 38.800 | -0.129 |
| 35 | 47 | 39.107 | 39.168 | 0.061 |
| 35 | 48 | 39.396 | 36.456 | -2.940 |
| 35 | 49 | 39.427 | 38.873 | -0.554 |
| 50 | 50 | 39.316 | 39.219 | -0.097 |
| 50 | 51 | 39.595 | 38.813 | -0.782 |
| 50 | 52 | 38.600 | 38.965 | 0.365 |
| 50 | 53 | 40.217 | 38.976 | -1.241 |
| 50 | 54 | 39.724 | 39.016 | -0.708 |
| 55 | 55 | 39.311 | 38.960 | -0.351 |
| 55 | 56 | 39.197 | 37.848 | -1.349 |
| 55 | 57 | 38.757 | 38.561 | -0.196 |
| 55 | 58 | 39.256 | 38.766 | -0.490 |
| 55 | 59 | 39.434 | 36.894 | -2.540 |
| 100 | 60 | 39.679 | 38.585 | -1.094 |
| 100 | 61 | 39.621 | 38.348 | -1.273 |
| 100 | 62 | 39.336 | 38.631 | -0.705 |
| 100 | 63 | 39.416 | 36.540 | -2.876 |
| 100 | 64 | 39.174 | 37.537 | -1.637 |
| 105 | 65 | 39.151 | 37.468 | -1.683 |
| 105 | 66 | 38.612 | 37.752 | -0.860 |
| 105 | 67 | 40.252 | 38.217 | -2.035 |
| 105 | 68 | 39.012 | 38.520 | -0.492 |
| 105 | 69 | 39.497 | 38.568 | -0.929 |
| | Max | 43.390 | 42.163 | 1.637 |
| | Average | 39.835 | 39.070 | -0.765 |
| | Min | 38.052 | 36.456 | -2.940 |
| | Std Dev | 1.043 | 1.111 | 0.967 |




| | 6.149_LEAK_PU2_MIN/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 110 | uA |
| Min Limit | 0 | uA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 39.897 | 39.779 | 39.340 | 38.245 | 39.191 | 38.500 | 36.456 | 38.813 | 36.894 | 36.540 | 37.468 |
| Average | 41.029 | 40.518 | 39.721 | 39.163 | 39.554 | 38.975 | 38.358 | 38.998 | 38.206 | 37.928 | 38.105 |
| Max | 42.163 | 41.978 | 39.935 | 39.853 | 39.988 | 39.571 | 39.168 | 39.219 | 38.960 | 38.631 | 38.568 |
| UL | 110.000 | 110.000 | 110.000 | 110.000 | #### | 110.000 | #### | #### | 110.000 | #### | 110.000 |

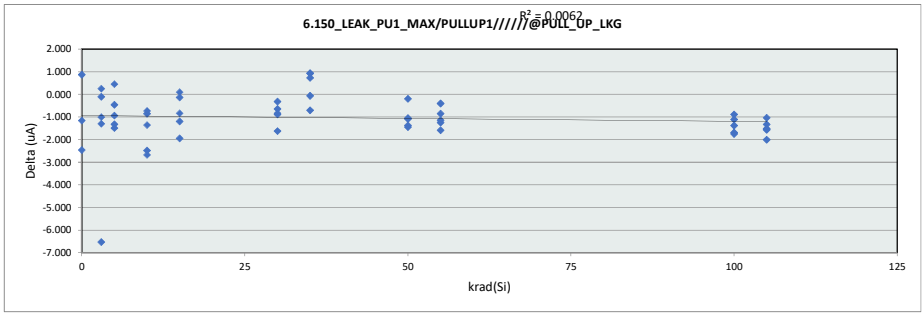


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

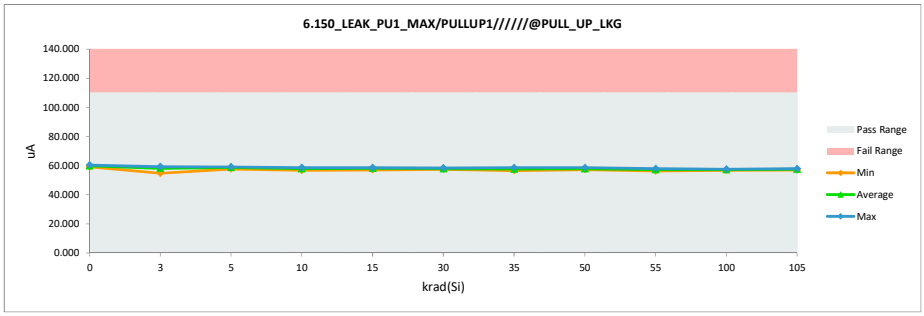
| | 6.150_LEAK_PU1_MAX/PU | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 121 | 110 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 61.677 | 59.209 | -2.468 |
| 0 | 14 | 61.374 | 60.205 | -1.169 |
| 0 | 15 | 59.464 | 60.328 | 0.864 |
| 3 | 20 | 61.288 | 54.746 | -6.542 |
| 3 | 21 | 58.979 | 59.220 | 0.241 |
| 3 | 22 | 60.096 | 58.790 | -1.306 |
| 3 | 23 | 59.853 | 58.841 | -1.012 |
| 3 | 24 | 58.647 | 58.529 | -0.118 |
| 5 | 25 | 60.083 | 59.135 | -0.948 |
| 5 | 26 | 59.900 | 58.572 | -1.328 |
| 5 | 27 | 59.274 | 57.772 | -1.502 |
| 5 | 28 | 59.619 | 59.149 | -0.470 |
| 5 | 29 | 58.609 | 59.050 | 0.441 |
| 10 | 30 | 59.520 | 56.832 | -2.688 |
| 10 | 31 | 59.366 | 58.501 | -0.865 |
| 10 | 32 | 59.140 | 57.774 | -1.366 |
| 10 | 33 | 59.261 | 58.520 | -0.741 |
| 10 | 34 | 59.827 | 57.333 | -2.494 |
| 15 | 35 | 59.755 | 58.550 | -1.205 |
| 15 | 36 | 59.032 | 57.073 | -1.959 |
| 15 | 37 | 59.426 | 58.582 | -0.844 |
| 15 | 38 | 58.444 | 58.296 | -0.148 |
| 15 | 39 | 58.057 | 58.146 | 0.089 |
| 30 | 40 | 58.251 | 57.598 | -0.653 |
| 30 | 41 | 59.176 | 57.547 | -1.629 |
| 30 | 42 | 58.600 | 58.271 | -0.329 |
| 30 | 43 | 58.848 | 57.950 | -0.898 |
| 30 | 44 | 59.090 | 58.247 | -0.843 |
| 35 | 45 | 58.824 | 58.108 | -0.716 |
| 35 | 46 | 57.764 | 58.693 | 0.929 |
| 35 | 47 | 57.028 | 57.749 | 0.721 |
| 35 | 48 | 55.599 | 56.513 | 0.914 |
| 35 | 49 | 57.225 | 57.150 | -0.075 |
| 50 | 50 | 58.609 | 57.224 | -1.385 |
| 50 | 51 | 59.648 | 58.591 | -1.057 |
| 50 | 52 | 58.877 | 57.422 | -1.455 |
| 50 | 53 | 58.847 | 57.750 | -1.097 |
| 50 | 54 | 58.142 | 57.939 | -0.203 |
| 55 | 55 | 58.381 | 57.969 | -0.412 |
| 55 | 56 | 58.069 | 57.209 | -0.860 |
| 55 | 57 | 58.391 | 57.137 | -1.254 |
| 55 | 58 | 58.732 | 57.576 | -1.156 |
| 55 | 59 | 57.780 | 56.188 | -1.592 |
| 100 | 60 | 58.651 | 57.534 | -1.117 |
| 100 | 61 | 58.950 | 57.250 | -1.700 |
| 100 | 62 | 58.965 | 57.204 | -1.761 |
| 100 | 63 | 58.130 | 56.737 | -1.393 |
| 100 | 64 | 58.281 | 57.382 | -0.899 |
| 105 | 65 | 58.292 | 56.953 | -1.339 |
| 105 | 66 | 58.303 | 57.260 | -1.043 |
| 105 | 67 | 59.675 | 57.663 | -2.012 |
| 105 | 68 | 59.173 | 57.640 | -1.533 |
| 105 | 69 | 59.405 | 57.830 | -1.575 |
| | Max | 61.677 | 60.328 | 0.929 |
| | Average | 58.951 | 57.914 | -1.037 |
| | Min | 55.599 | 54.746 | -6.542 |
| | Std Dev | 1.023 | 0.967 | 1.133 |




| | 6.150_LEAK_PU1_MAX/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 110 | uA |
| Min Limit | 0 | uA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 59.209 | 54.746 | 57.772 | 56.832 | 57.073 | 57.547 | 56.513 | 57.224 | 56.188 | 56.737 | 56.953 |
| Average | 59.914 | 58.025 | 58.736 | 57.792 | 58.129 | 57.923 | 57.643 | 57.785 | 57.216 | 57.221 | 57.469 |
| Max | 60.328 | 59.220 | 59.149 | 58.520 | 58.582 | 58.271 | 58.693 | 58.591 | 57.969 | 57.534 | 57.830 |
| UL | 110.000 | 110.000 | 110.000 | 110.000 | #### | 110.000 | #### | #### | 110.000 | #### | 110.000 |

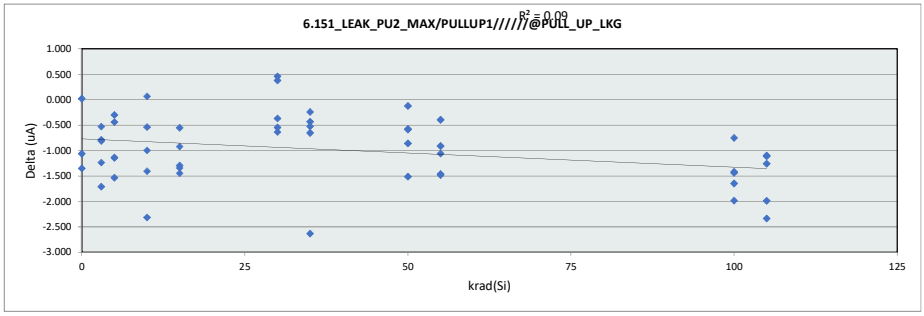


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

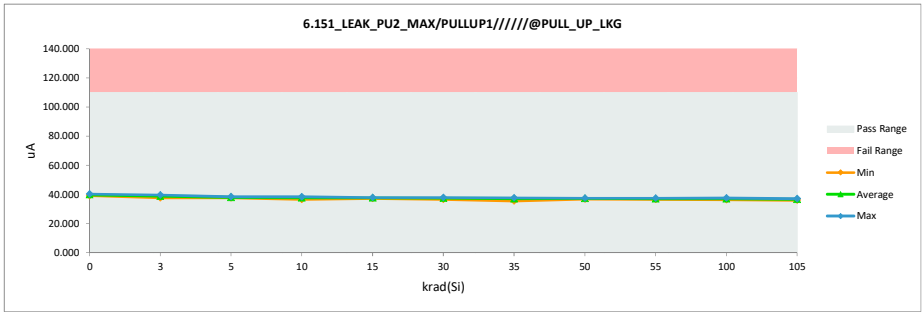
| | 6.151_LEAK_PU2_MAX/PU | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uA | uA |
| Max Limit | 121 | 110 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 41.537 | 40.182 | -1.355 |
| 0 | 14 | 39.837 | 39.854 | 0.017 |
| 0 | 15 | 40.198 | 39.132 | -1.066 |
| 3 | 20 | 40.373 | 39.560 | -0.813 |
| 3 | 21 | 40.242 | 39.001 | -1.241 |
| 3 | 22 | 39.780 | 38.990 | -0.790 |
| 3 | 23 | 39.179 | 38.647 | -0.532 |
| 3 | 24 | 39.290 | 37.576 | -1.714 |
| 5 | 25 | 38.838 | 38.394 | -0.444 |
| 5 | 26 | 39.124 | 37.972 | -1.152 |
| 5 | 27 | 38.251 | 37.947 | -0.304 |
| 5 | 28 | 39.180 | 37.642 | -1.538 |
| 5 | 29 | 38.944 | 37.805 | -1.139 |
| 10 | 30 | 38.890 | 36.570 | -2.320 |
| 10 | 31 | 37.931 | 37.994 | 0.063 |
| 10 | 32 | 38.354 | 37.810 | -0.544 |
| 10 | 33 | 38.636 | 37.225 | -1.411 |
| 10 | 34 | 39.229 | 38.227 | -1.002 |
| 15 | 35 | 39.292 | 37.841 | -1.451 |
| 15 | 36 | 38.832 | 37.534 | -1.298 |
| 15 | 37 | 38.770 | 37.424 | -1.346 |
| 15 | 38 | 37.784 | 37.227 | -0.557 |
| 15 | 39 | 38.602 | 37.676 | -0.926 |
| 30 | 40 | 38.186 | 37.812 | -0.374 |
| 30 | 41 | 37.234 | 37.689 | 0.455 |
| 30 | 42 | 36.767 | 37.139 | 0.372 |
| 30 | 43 | 37.137 | 36.586 | -0.551 |
| 30 | 44 | 38.234 | 37.592 | -0.642 |
| 35 | 45 | 38.033 | 37.376 | -0.657 |
| 35 | 46 | 37.874 | 37.627 | -0.247 |
| 35 | 47 | 38.069 | 37.539 | -0.530 |
| 35 | 48 | 38.047 | 35.410 | -2.637 |
| 35 | 49 | 37.761 | 37.322 | -0.439 |
| 50 | 50 | 37.984 | 37.392 | -0.592 |
| 50 | 51 | 38.744 | 37.227 | -1.517 |
| 50 | 52 | 37.483 | 36.619 | -0.864 |
| 50 | 53 | 37.445 | 37.318 | -0.127 |
| 50 | 54 | 37.881 | 37.303 | -0.578 |
| 55 | 55 | 38.104 | 37.040 | -1.064 |
| 55 | 56 | 38.143 | 36.679 | -1.464 |
| 55 | 57 | 37.773 | 37.373 | -0.400 |
| 55 | 58 | 37.966 | 37.051 | -0.915 |
| 55 | 59 | 37.993 | 36.508 | -1.485 |
| 100 | 60 | 38.659 | 37.009 | -1.650 |
| 100 | 61 | 38.353 | 36.366 | -1.987 |
| 100 | 62 | 38.249 | 36.828 | -1.421 |
| 100 | 63 | 38.176 | 37.422 | -0.754 |
| 100 | 64 | 38.171 | 36.729 | -1.442 |
| 105 | 65 | 38.117 | 37.002 | -1.115 |
| 105 | 66 | 37.959 | 35.967 | -1.992 |
| 105 | 67 | 38.429 | 36.091 | -2.338 |
| 105 | 68 | 37.990 | 36.889 | -1.101 |
| 105 | 69 | 38.248 | 36.985 | -1.263 |
| | Max | 41.537 | 40.182 | 0.455 |
| | Average | 38.496 | 37.512 | -0.985 |
| | Min | 36.767 | 35.410 | -2.637 |
| | Std Dev | 0.880 | 0.932 | 0.658 |




| | 6.151_LEAK_PU2_MAX/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 110 | uA |
| Min Limit | 0 | uA |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 39.132 | 37.576 | 37.642 | 36.570 | 37.227 | 36.586 | 35.410 | 36.619 | 36.508 | 36.366 | 35.967 |
| Average | 39.723 | 38.755 | 37.952 | 37.565 | 37.540 | 37.364 | 37.055 | 37.172 | 36.930 | 36.871 | 36.587 |
| Max | 40.182 | 39.560 | 38.394 | 38.227 | 37.841 | 37.812 | 37.627 | 37.392 | 37.373 | 37.422 | 37.002 |
| UL | 110.000 | 110.000 | 110.000 | 110.000 | #### | 110.000 | #### | #### | 110.000 | #### | 110.000 |

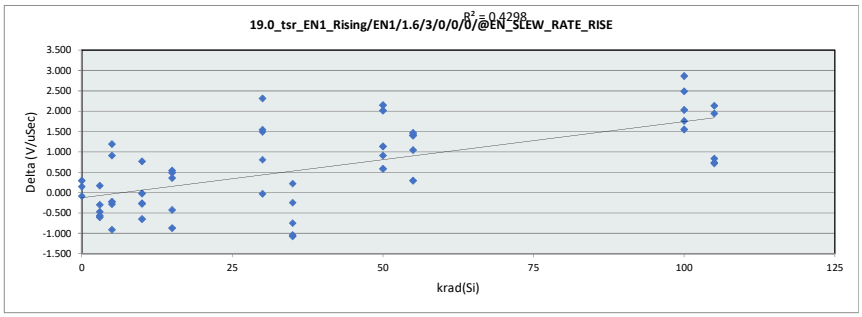


# TID HDR Report
# TPS7H3014-SP

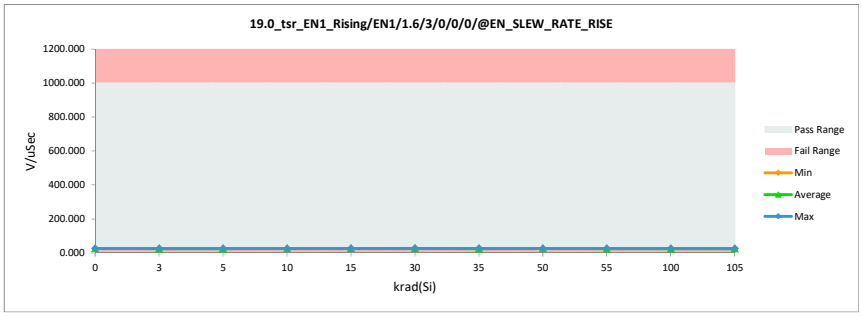
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.0_tsr_EN1_Rising/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 26.145 | 26.050 | -0.095 |
| 0 | 14 | 25.699 | 25.839 | 0.140 |
| 0 | 15 | 25.869 | 26.155 | 0.286 |
| 3 | 20 | 25.791 | 25.217 | -0.574 |
| 3 | 21 | 26.355 | 25.876 | -0.479 |
| 3 | 22 | 25.837 | 25.230 | -0.607 |
| 3 | 23 | 25.099 | 24.794 | -0.305 |
| 3 | 24 | 25.799 | 25.962 | 0.163 |
| 5 | 25 | 24.948 | 25.852 | 0.904 |
| 5 | 26 | 25.470 | 25.179 | -0.291 |
| 5 | 27 | 25.687 | 25.454 | -0.233 |
| 5 | 28 | 25.873 | 24.955 | -0.918 |
| 5 | 29 | 24.967 | 26.154 | 1.187 |
| 10 | 30 | 24.942 | 25.704 | 0.762 |
| 10 | 31 | 26.154 | 25.495 | -0.659 |
| 10 | 32 | 26.573 | 26.306 | -0.267 |
| 10 | 33 | 25.238 | 25.212 | -0.026 |
| 10 | 34 | 26.553 | 26.272 | -0.281 |
| 15 | 35 | 25.221 | 25.759 | 0.538 |
| 15 | 36 | 26.888 | 26.009 | -0.879 |
| 15 | 37 | 25.472 | 25.954 | 0.482 |
| 15 | 38 | 25.477 | 25.831 | 0.354 |
| 15 | 39 | 25.860 | 25.429 | -0.431 |
| 30 | 40 | 25.126 | 27.431 | 2.305 |
| 30 | 41 | 24.779 | 24.745 | -0.034 |
| 30 | 42 | 24.806 | 26.290 | 1.484 |
| 30 | 43 | 25.380 | 26.181 | 0.801 |
| 30 | 44 | 24.157 | 25.694 | 1.537 |
| 35 | 45 | 25.995 | 24.945 | -1.050 |
| 35 | 46 | 25.078 | 24.827 | -0.251 |
| 35 | 47 | 26.187 | 26.401 | 0.214 |
| 35 | 48 | 25.706 | 24.949 | -0.757 |
| 35 | 49 | 25.864 | 24.783 | -1.081 |
| 50 | 50 | 24.009 | 25.139 | 1.130 |
| 50 | 51 | 23.773 | 25.782 | 2.009 |
| 50 | 52 | 24.963 | 25.866 | 0.903 |
| 50 | 53 | 23.473 | 25.616 | 2.143 |
| 50 | 54 | 25.282 | 25.861 | 0.579 |
| 55 | 55 | 24.145 | 25.540 | 1.395 |
| 55 | 56 | 24.112 | 25.572 | 1.460 |
| 55 | 57 | 24.824 | 25.865 | 1.041 |
| 55 | 58 | 24.095 | 25.500 | 1.405 |
| 55 | 59 | 25.230 | 25.519 | 0.289 |
| 100 | 60 | 23.331 | 26.189 | 2.858 |
| 100 | 61 | 22.569 | 25.052 | 2.483 |
| 100 | 62 | 23.109 | 24.864 | 1.755 |
| 100 | 63 | 23.686 | 25.711 | 2.025 |
| 100 | 64 | 23.564 | 25.109 | 1.545 |
| 105 | 65 | 24.440 | 25.270 | 0.830 |
| 105 | 66 | 24.553 | 25.263 | 0.710 |
| 105 | 67 | 22.879 | 25.006 | 2.127 |
| 105 | 68 | 22.796 | 24.736 | 1.940 |
| 105 | 69 | 24.131 | 24.860 | 0.729 |
| | Max | 26.888 | 27.431 | 2.858 |
| | Average | 24.980 | 25.571 | 0.590 |
| | Min | 22.569 | 24.736 | -1.081 |
| | Std Dev | 1.052 | 0.548 | 1.022 |




| | 19.0_tsr_EN1_Rising/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.839 | 24.794 | 24.955 | 25.212 | 25.429 | 24.745 | 24.783 | 25.139 | 25.500 | 24.864 | 24.736 |
| Average | 26.015 | 25.416 | 25.519 | 25.798 | 25.796 | 26.068 | 25.181 | 25.653 | 25.599 | 25.385 | 25.027 |
| Max | 26.155 | 25.962 | 26.154 | 26.306 | 26.009 | 27.431 | 26.401 | 25.866 | 25.865 | 26.189 | 25.270 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

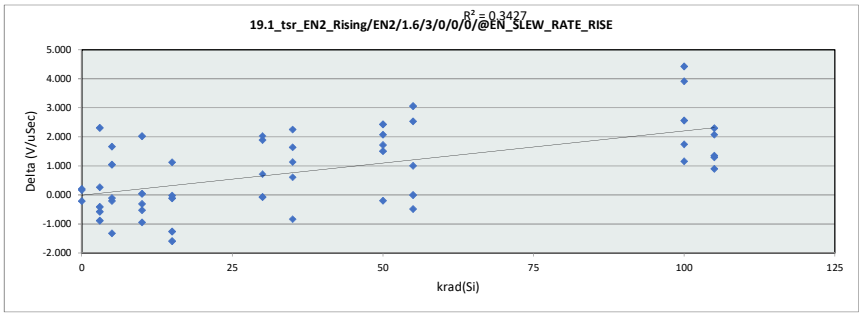


# TID HDR Report
# TPS7H3014-SP

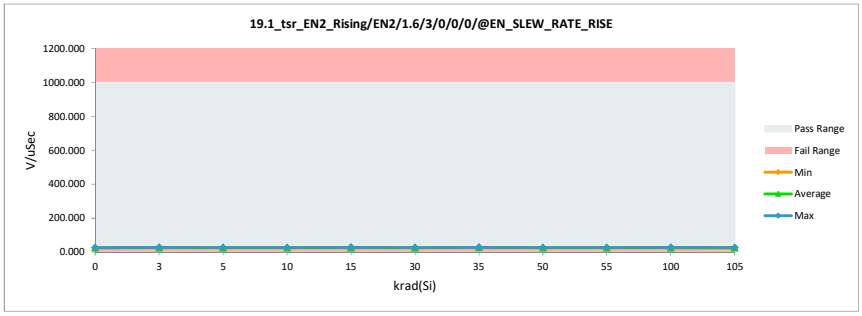
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.1_tsr_EN2_Rising/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 26.050 | 26.209 | 0.159 |
| 0 | 14 | 25.345 | 25.125 | -0.220 |
| 0 | 15 | 25.416 | 25.615 | 0.199 |
| 3 | 20 | 25.701 | 25.283 | -0.418 |
| 3 | 21 | 26.043 | 28.345 | 2.302 |
| 3 | 22 | 25.987 | 25.094 | -0.893 |
| 3 | 23 | 24.712 | 24.968 | 0.256 |
| 3 | 24 | 25.326 | 24.743 | -0.583 |
| 5 | 25 | 25.139 | 26.178 | 1.039 |
| 5 | 26 | 25.061 | 26.716 | 1.655 |
| 5 | 27 | 25.648 | 25.436 | -0.212 |
| 5 | 28 | 26.713 | 25.382 | -1.331 |
| 5 | 29 | 25.152 | 25.039 | -0.113 |
| 10 | 30 | 25.288 | 24.755 | -0.533 |
| 10 | 31 | 26.477 | 25.527 | -0.950 |
| 10 | 32 | 25.782 | 25.814 | 0.032 |
| 10 | 33 | 25.894 | 25.579 | -0.315 |
| 10 | 34 | 25.377 | 27.393 | 2.016 |
| 15 | 35 | 25.493 | 25.466 | -0.027 |
| 15 | 36 | 26.787 | 25.520 | -1.267 |
| 15 | 37 | 26.741 | 25.144 | -1.597 |
| 15 | 38 | 26.587 | 27.703 | 1.116 |
| 15 | 39 | 25.544 | 25.424 | -0.120 |
| 30 | 40 | 26.429 | 26.360 | -0.069 |
| 30 | 41 | 24.710 | 25.418 | 0.708 |
| 30 | 42 | 24.837 | 26.722 | 1.885 |
| 30 | 43 | 26.805 | 26.722 | -0.083 |
| 30 | 44 | 24.708 | 26.729 | 2.021 |
| 35 | 45 | 26.246 | 26.847 | 0.601 |
| 35 | 46 | 24.385 | 26.018 | 1.633 |
| 35 | 47 | 25.328 | 27.574 | 2.246 |
| 35 | 48 | 26.116 | 27.244 | 1.128 |
| 35 | 49 | 26.271 | 25.431 | -0.840 |
| 50 | 50 | 24.061 | 26.132 | 2.071 |
| 50 | 51 | 23.671 | 25.170 | 1.499 |
| 50 | 52 | 24.704 | 27.128 | 2.424 |
| 50 | 53 | 24.017 | 25.730 | 1.713 |
| 50 | 54 | 25.668 | 25.462 | -0.206 |
| 55 | 55 | 24.120 | 26.646 | 2.526 |
| 55 | 56 | 24.374 | 25.372 | 0.998 |
| 55 | 57 | 24.401 | 27.458 | 3.057 |
| 55 | 58 | 25.015 | 25.002 | -0.013 |
| 55 | 59 | 26.488 | 25.998 | -0.490 |
| 100 | 60 | 23.778 | 24.929 | 1.151 |
| 100 | 61 | 23.063 | 24.799 | 1.736 |
| 100 | 62 | 22.867 | 25.421 | 2.554 |
| 100 | 63 | 23.687 | 27.594 | 3.907 |
| 100 | 64 | 23.513 | 27.932 | 4.419 |
| 105 | 65 | 25.038 | 27.109 | 2.071 |
| 105 | 66 | 24.968 | 26.313 | 1.345 |
| 105 | 67 | 23.365 | 25.658 | 2.293 |
| 105 | 68 | 23.405 | 24.692 | 1.287 |
| 105 | 69 | 24.060 | 24.955 | 0.895 |
| | Max | 26.805 | 28.345 | 4.419 |
| | Average | 25.139 | 25.982 | 0.843 |
| | Min | 22.867 | 24.692 | -1.597 |
| | Std Dev | 1.054 | 0.959 | 1.356 |




| | 19.1_tsr_EN2_Rising/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.125 | 24.743 | 25.039 | 24.755 | 25.144 | 25.418 | 25.431 | 25.170 | 25.002 | 24.799 | 24.692 |
| Average | 25.650 | 25.687 | 25.750 | 25.814 | 25.851 | 26.390 | 26.623 | 25.924 | 26.095 | 26.135 | 25.745 |
| Max | 26.209 | 28.345 | 26.716 | 27.393 | 27.703 | 26.729 | 27.574 | 27.128 | 27.458 | 27.932 | 27.109 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

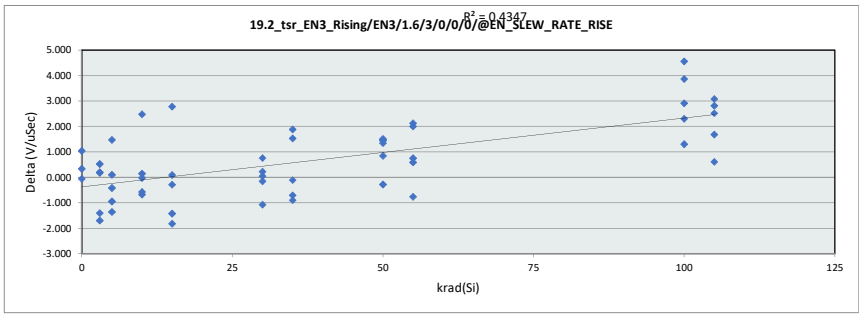


# TID HDR Report
# TPS7H3014-SP

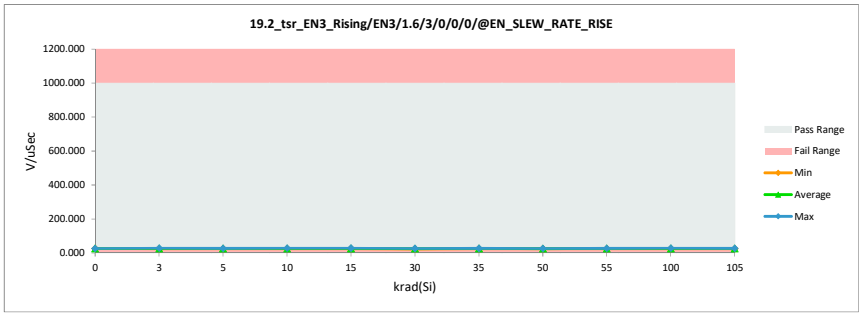
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.2_tsr_EN3_Rising/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 26.168 | 26.101 | -0.067 |
| 0 | 14 | 24.885 | 25.921 | 1.036 |
| 0 | 15 | 25.601 | 25.930 | 0.329 |
| 3 | 20 | 27.342 | 27.857 | 0.515 |
| 3 | 21 | 25.791 | 25.989 | 0.198 |
| 3 | 22 | 25.053 | 25.227 | 0.174 |
| 3 | 23 | 25.428 | 24.019 | -1.409 |
| 3 | 24 | 27.175 | 25.470 | -1.705 |
| 5 | 25 | 24.926 | 24.504 | -0.422 |
| 5 | 26 | 26.105 | 25.150 | -0.955 |
| 5 | 27 | 25.473 | 26.938 | 1.465 |
| 5 | 28 | 27.626 | 26.262 | -1.364 |
| 5 | 29 | 25.029 | 25.122 | 0.093 |
| 10 | 30 | 25.870 | 25.839 | -0.031 |
| 10 | 31 | 26.731 | 26.872 | 0.141 |
| 10 | 32 | 25.428 | 24.845 | -0.583 |
| 10 | 33 | 24.908 | 27.384 | 2.476 |
| 10 | 34 | 26.594 | 25.907 | -0.687 |
| 15 | 35 | 26.063 | 24.631 | -1.432 |
| 15 | 36 | 25.393 | 28.170 | 2.777 |
| 15 | 37 | 26.480 | 24.651 | -1.829 |
| 15 | 38 | 26.794 | 26.883 | 0.089 |
| 15 | 39 | 25.312 | 25.017 | -0.295 |
| 30 | 40 | 25.287 | 26.042 | 0.755 |
| 30 | 41 | 24.180 | 24.222 | 0.042 |
| 30 | 42 | 26.102 | 25.026 | -1.076 |
| 30 | 43 | 25.391 | 25.609 | 0.218 |
| 30 | 44 | 24.914 | 24.752 | -0.162 |
| 35 | 45 | 24.909 | 26.785 | 1.876 |
| 35 | 46 | 25.166 | 24.453 | -0.713 |
| 35 | 47 | 24.815 | 24.701 | -0.114 |
| 35 | 48 | 24.832 | 26.357 | 1.525 |
| 35 | 49 | 25.831 | 24.924 | -0.907 |
| 50 | 50 | 24.624 | 25.966 | 1.342 |
| 50 | 51 | 23.735 | 25.181 | 1.446 |
| 50 | 52 | 23.929 | 25.431 | 1.502 |
| 50 | 53 | 23.969 | 24.806 | 0.837 |
| 50 | 54 | 25.560 | 25.275 | -0.285 |
| 55 | 55 | 24.489 | 26.608 | 2.119 |
| 55 | 56 | 25.751 | 24.980 | -0.771 |
| 55 | 57 | 25.328 | 25.913 | 0.585 |
| 55 | 58 | 23.975 | 25.970 | 1.995 |
| 55 | 59 | 24.645 | 25.394 | 0.749 |
| 100 | 60 | 22.427 | 26.289 | 3.862 |
| 100 | 61 | 22.175 | 24.469 | 2.294 |
| 100 | 62 | 23.339 | 24.632 | 1.293 |
| 100 | 63 | 23.155 | 27.705 | 4.550 |
| 100 | 64 | 23.355 | 26.262 | 2.907 |
| 105 | 65 | 24.351 | 26.861 | 2.510 |
| 105 | 66 | 25.565 | 27.241 | 1.676 |
| 105 | 67 | 22.816 | 25.620 | 2.804 |
| 105 | 68 | 21.610 | 24.688 | 3.078 |
| 105 | 69 | 23.824 | 24.426 | 0.602 |
| | Max | 27.626 | 28.170 | 4.550 |
| | Average | 25.023 | 25.684 | 0.661 |
| | Min | 21.610 | 24.019 | -1.829 |
| | Std Dev | 1.282 | 1.003 | 1.469 |




| | 19.2_tsr_EN3_Rising/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.921 | 24.019 | 24.504 | 24.845 | 24.631 | 24.222 | 24.453 | 24.806 | 24.980 | 24.469 | 24.426 |
| Average | 25.984 | 25.712 | 25.595 | 26.169 | 25.870 | 25.130 | 25.444 | 25.332 | 25.773 | 25.871 | 25.767 |
| Max | 26.101 | 27.857 | 26.938 | 27.384 | 28.170 | 26.042 | 26.785 | 25.966 | 26.608 | 27.705 | 27.241 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

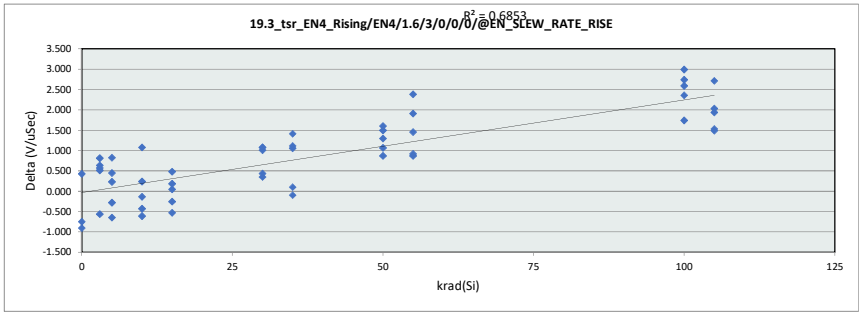


# TID HDR Report
# TPS7H3014-SP

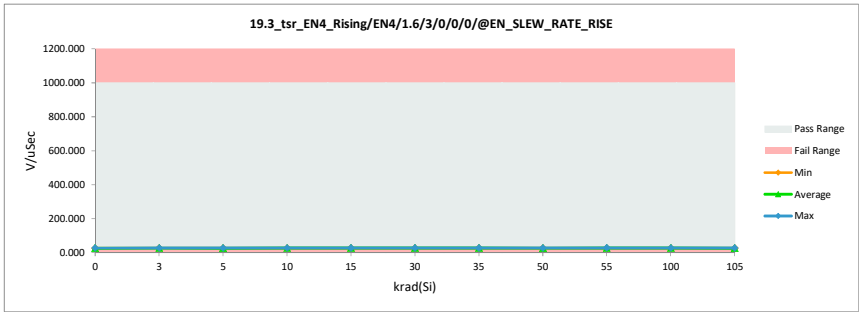
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.3_tsr_EN4_Rising/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 27.194 | 26.284 | -0.910 |
| 0 | 14 | 26.643 | 25.888 | -0.755 |
| 0 | 15 | 25.798 | 26.223 | 0.425 |
| 3 | 20 | 26.253 | 26.819 | 0.566 |
| 3 | 21 | 26.942 | 26.376 | -0.566 |
| 3 | 22 | 25.928 | 26.735 | 0.807 |
| 3 | 23 | 25.643 | 26.275 | 0.632 |
| 3 | 24 | 25.984 | 26.495 | 0.511 |
| 5 | 25 | 25.472 | 26.294 | 0.822 |
| 5 | 26 | 25.630 | 25.858 | 0.228 |
| 5 | 27 | 26.389 | 26.108 | -0.281 |
| 5 | 28 | 26.236 | 26.680 | 0.444 |
| 5 | 29 | 26.030 | 25.379 | -0.651 |
| 10 | 30 | 25.164 | 26.237 | 1.073 |
| 10 | 31 | 26.729 | 26.294 | -0.435 |
| 10 | 32 | 26.651 | 26.511 | -0.140 |
| 10 | 33 | 25.942 | 26.179 | 0.237 |
| 10 | 34 | 26.586 | 25.971 | -0.615 |
| 15 | 35 | 26.248 | 26.726 | 0.478 |
| 15 | 36 | 26.551 | 26.019 | -0.532 |
| 15 | 37 | 26.171 | 26.217 | 0.046 |
| 15 | 38 | 26.141 | 26.321 | 0.180 |
| 15 | 39 | 26.304 | 26.047 | -0.257 |
| 30 | 40 | 25.913 | 26.916 | 1.003 |
| 30 | 41 | 24.706 | 25.777 | 1.071 |
| 30 | 42 | 26.021 | 26.366 | 0.345 |
| 30 | 43 | 25.998 | 26.429 | 0.431 |
| 30 | 44 | 24.505 | 25.582 | 1.077 |
| 35 | 45 | 26.046 | 25.948 | -0.098 |
| 35 | 46 | 25.498 | 25.594 | 0.096 |
| 35 | 47 | 25.695 | 26.748 | 1.053 |
| 35 | 48 | 25.637 | 26.748 | 1.111 |
| 35 | 49 | 25.069 | 26.479 | 1.410 |
| 50 | 50 | 24.346 | 25.836 | 1.490 |
| 50 | 51 | 24.611 | 26.209 | 1.598 |
| 50 | 52 | 24.942 | 26.004 | 1.062 |
| 50 | 53 | 25.030 | 26.322 | 1.292 |
| 50 | 54 | 24.980 | 25.844 | 0.864 |
| 55 | 55 | 24.919 | 26.371 | 1.452 |
| 55 | 56 | 24.848 | 27.227 | 2.379 |
| 55 | 57 | 24.588 | 26.492 | 1.904 |
| 55 | 58 | 24.564 | 25.430 | 0.866 |
| 55 | 59 | 25.507 | 26.423 | 0.916 |
| 100 | 60 | 23.486 | 25.840 | 2.354 |
| 100 | 61 | 23.458 | 26.043 | 2.585 |
| 100 | 62 | 23.696 | 26.429 | 2.733 |
| 100 | 63 | 23.892 | 26.879 | 2.987 |
| 100 | 64 | 24.266 | 26.002 | 1.736 |
| 105 | 65 | 24.985 | 26.469 | 1.484 |
| 105 | 66 | 25.349 | 26.875 | 1.526 |
| 105 | 67 | 23.378 | 25.404 | 2.026 |
| 105 | 68 | 23.179 | 25.889 | 2.710 |
| 105 | 69 | 24.208 | 26.141 | 1.933 |
| | Max | 27.194 | 27.227 | 2.987 |
| | Average | 25.395 | 26.239 | 0.843 |
| | Min | 23.179 | 25.379 | -0.910 |
| | Std Dev | 0.996 | 0.410 | 0.983 |




| | 19.3_tsr_EN4_Rising/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.888 | 26.275 | 25.379 | 25.971 | 26.019 | 25.582 | 25.594 | 25.836 | 25.430 | 25.840 | 25.404 |
| Average | 26.132 | 26.540 | 26.064 | 26.238 | 26.266 | 26.214 | 26.303 | 26.043 | 26.389 | 26.239 | 26.156 |
| Max | 26.284 | 26.819 | 26.680 | 26.511 | 26.726 | 26.916 | 26.748 | 26.322 | 27.227 | 26.879 | 26.875 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

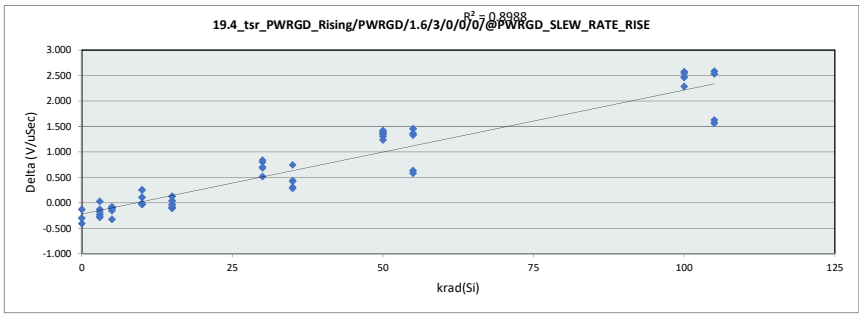


# TID HDR Report
# TPS7H3014-SP

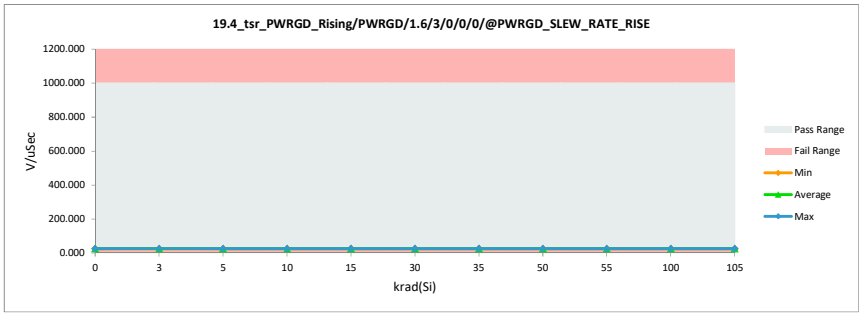
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.4_tsr_PWRGD_Rising/I | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 25.815 | 25.682 | -0.133 |
| 0 | 14 | 25.572 | 25.164 | -0.408 |
| 0 | 15 | 25.517 | 25.216 | -0.301 |
| 3 | 20 | 25.862 | 25.581 | -0.281 |
| 3 | 21 | 26.112 | 25.880 | -0.232 |
| 3 | 22 | 25.296 | 25.168 | -0.128 |
| 3 | 23 | 25.160 | 24.982 | -0.178 |
| 3 | 24 | 25.363 | 25.391 | 0.028 |
| 5 | 25 | 25.003 | 24.678 | -0.325 |
| 5 | 26 | 24.977 | 24.866 | -0.111 |
| 5 | 27 | 25.425 | 25.337 | -0.088 |
| 5 | 28 | 25.823 | 25.669 | -0.154 |
| 5 | 29 | 25.045 | 24.964 | -0.081 |
| 10 | 30 | 25.005 | 25.111 | 0.106 |
| 10 | 31 | 25.463 | 25.429 | -0.034 |
| 10 | 32 | 25.343 | 25.593 | 0.250 |
| 10 | 33 | 25.181 | 25.171 | -0.010 |
| 10 | 34 | 25.481 | 25.458 | -0.023 |
| 15 | 35 | 25.440 | 25.404 | -0.036 |
| 15 | 36 | 25.413 | 25.539 | 0.126 |
| 15 | 37 | 25.271 | 25.308 | 0.037 |
| 15 | 38 | 25.949 | 25.860 | -0.089 |
| 15 | 39 | 25.678 | 25.570 | -0.108 |
| 30 | 40 | 25.072 | 25.589 | 0.517 |
| 30 | 41 | 24.218 | 24.922 | 0.704 |
| 30 | 42 | 24.807 | 25.607 | 0.800 |
| 30 | 43 | 24.886 | 25.572 | 0.686 |
| 30 | 44 | 24.295 | 25.136 | 0.841 |
| 35 | 45 | 24.704 | 25.125 | 0.421 |
| 35 | 46 | 24.352 | 25.096 | 0.744 |
| 35 | 47 | 25.229 | 25.514 | 0.285 |
| 35 | 48 | 24.925 | 25.233 | 0.308 |
| 35 | 49 | 24.693 | 25.131 | 0.438 |
| 50 | 50 | 23.604 | 24.838 | 1.234 |
| 50 | 51 | 23.811 | 25.158 | 1.347 |
| 50 | 52 | 24.002 | 25.417 | 1.415 |
| 50 | 53 | 23.654 | 25.035 | 1.381 |
| 50 | 54 | 24.120 | 25.423 | 1.303 |
| 55 | 55 | 23.573 | 24.902 | 1.329 |
| 55 | 56 | 24.086 | 25.448 | 1.362 |
| 55 | 57 | 23.766 | 25.222 | 1.456 |
| 55 | 58 | 24.164 | 24.799 | 0.635 |
| 55 | 59 | 25.084 | 25.667 | 0.583 |
| 100 | 60 | 22.691 | 25.267 | 2.576 |
| 100 | 61 | 22.338 | 24.803 | 2.465 |
| 100 | 62 | 23.214 | 25.760 | 2.546 |
| 100 | 63 | 23.234 | 25.703 | 2.469 |
| 100 | 64 | 22.919 | 25.205 | 2.286 |
| 105 | 65 | 23.993 | 25.569 | 1.576 |
| 105 | 66 | 24.153 | 25.717 | 1.564 |
| 105 | 67 | 22.242 | 24.775 | 2.533 |
| 105 | 68 | 22.458 | 25.044 | 2.586 |
| 105 | 69 | 23.179 | 24.808 | 1.629 |
| | Max | 26.112 | 25.880 | 2.586 |
| | Average | 24.578 | 25.293 | 0.714 |
| | Min | 22.242 | 24.678 | -0.408 |
| | Std Dev | 1.013 | 0.313 | 0.920 |




| | 19.4_tsr_PWRGD_Rising | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.164 | 24.982 | 24.678 | 25.111 | 25.308 | 24.922 | 25.096 | 24.838 | 24.799 | 24.803 | 24.775 |
| Average | 25.354 | 25.400 | 25.103 | 25.352 | 25.536 | 25.365 | 25.220 | 25.174 | 25.208 | 25.348 | 25.183 |
| Max | 25.682 | 25.880 | 25.669 | 25.593 | 25.860 | 25.607 | 25.514 | 25.423 | 25.667 | 25.760 | 25.717 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

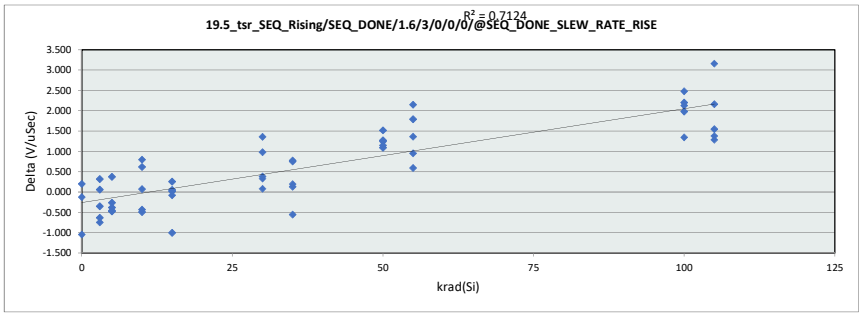


# TID HDR Report
# TPS7H3014-SP

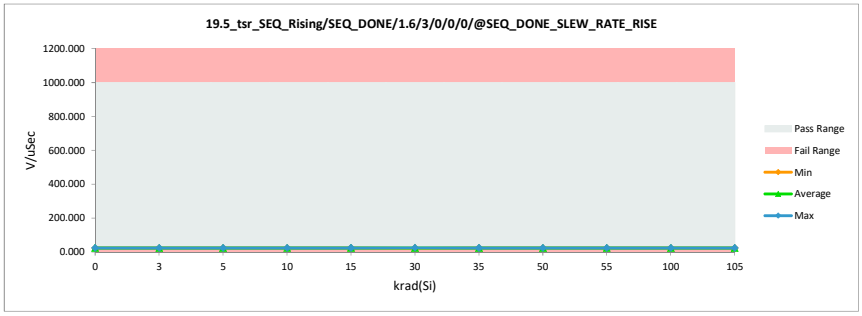
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.5_tsr_SEQ_Rising/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 24.560 | 24.758 | 0.198 |
| 0 | 14 | 24.457 | 23.410 | -1.047 |
| 0 | 15 | 23.881 | 23.754 | -0.127 |
| 3 | 20 | 24.326 | 23.974 | -0.352 |
| 3 | 21 | 25.096 | 24.346 | -0.750 |
| 3 | 22 | 24.352 | 23.716 | -0.636 |
| 3 | 23 | 23.781 | 23.837 | 0.056 |
| 3 | 24 | 23.475 | 23.790 | 0.315 |
| 5 | 25 | 23.570 | 23.093 | -0.477 |
| 5 | 26 | 23.506 | 23.122 | -0.384 |
| 5 | 27 | 24.102 | 24.476 | 0.374 |
| 5 | 28 | 24.453 | 23.993 | -0.460 |
| 5 | 29 | 23.529 | 23.261 | -0.268 |
| 10 | 30 | 23.773 | 24.386 | 0.613 |
| 10 | 31 | 24.156 | 23.721 | -0.435 |
| 10 | 32 | 23.645 | 23.715 | 0.070 |
| 10 | 33 | 23.656 | 24.451 | 0.795 |
| 10 | 34 | 24.118 | 23.621 | -0.497 |
| 15 | 35 | 24.160 | 24.076 | -0.084 |
| 15 | 36 | 24.178 | 24.195 | 0.017 |
| 15 | 37 | 24.318 | 23.311 | -1.007 |
| 15 | 38 | 24.534 | 24.582 | 0.048 |
| 15 | 39 | 24.375 | 24.627 | 0.252 |
| 30 | 40 | 24.026 | 24.353 | 0.327 |
| 30 | 41 | 22.522 | 23.499 | 0.977 |
| 30 | 42 | 23.574 | 23.651 | 0.077 |
| 30 | 43 | 23.605 | 24.959 | 1.354 |
| 30 | 44 | 22.666 | 23.046 | 0.380 |
| 35 | 45 | 23.647 | 23.773 | 0.126 |
| 35 | 46 | 23.110 | 23.301 | 0.191 |
| 35 | 47 | 24.040 | 24.790 | 0.750 |
| 35 | 48 | 24.015 | 23.458 | -0.557 |
| 35 | 49 | 22.896 | 23.671 | 0.775 |
| 50 | 50 | 22.266 | 23.413 | 1.147 |
| 50 | 51 | 22.290 | 23.530 | 1.240 |
| 50 | 52 | 22.792 | 24.061 | 1.269 |
| 50 | 53 | 22.203 | 23.292 | 1.089 |
| 50 | 54 | 22.018 | 23.532 | 1.514 |
| 55 | 55 | 22.621 | 23.209 | 0.588 |
| 55 | 56 | 22.731 | 24.874 | 2.143 |
| 55 | 57 | 21.897 | 23.686 | 1.789 |
| 55 | 58 | 22.385 | 23.745 | 1.360 |
| 55 | 59 | 23.913 | 24.861 | 0.948 |
| 100 | 60 | 21.475 | 23.673 | 2.198 |
| 100 | 61 | 20.787 | 23.265 | 2.478 |
| 100 | 62 | 22.389 | 23.731 | 1.342 |
| 100 | 63 | 22.167 | 24.144 | 1.977 |
| 100 | 64 | 21.736 | 23.861 | 2.125 |
| 105 | 65 | 22.789 | 24.069 | 1.280 |
| 105 | 66 | 22.770 | 24.311 | 1.541 |
| 105 | 67 | 20.277 | 23.431 | 3.154 |
| 105 | 68 | 21.641 | 23.798 | 2.157 |
| 105 | 69 | 22.000 | 23.377 | 1.377 |
| | Max | 25.096 | 24.959 | 3.154 |
| | Average | 23.231 | 23.860 | 0.629 |
| | Min | 20.277 | 23.046 | -1.047 |
| | Std Dev | 1.060 | 0.511 | 0.979 |




| | 19.5_tsr_SEQ_Rising/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 23.410 | 23.716 | 23.093 | 23.621 | 23.311 | 23.046 | 23.301 | 23.292 | 23.209 | 23.265 | 23.377 |
| Average | 23.974 | 23.933 | 23.589 | 23.979 | 24.158 | 23.902 | 23.799 | 23.566 | 24.075 | 23.735 | 23.797 |
| Max | 24.758 | 24.346 | 24.476 | 24.451 | 24.627 | 24.959 | 24.790 | 24.061 | 24.874 | 24.144 | 24.311 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

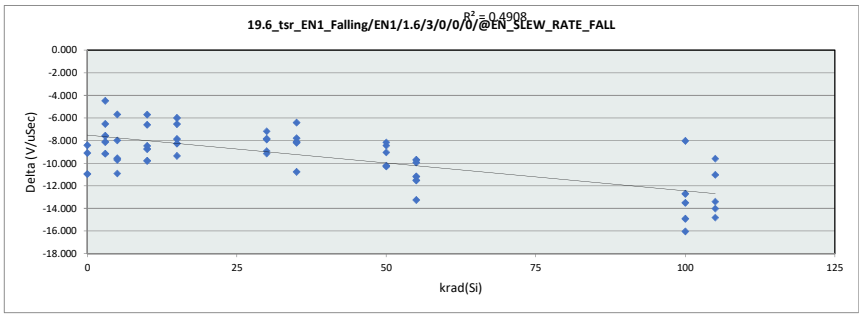


# TID HDR Report
# TPS7H3014-SP

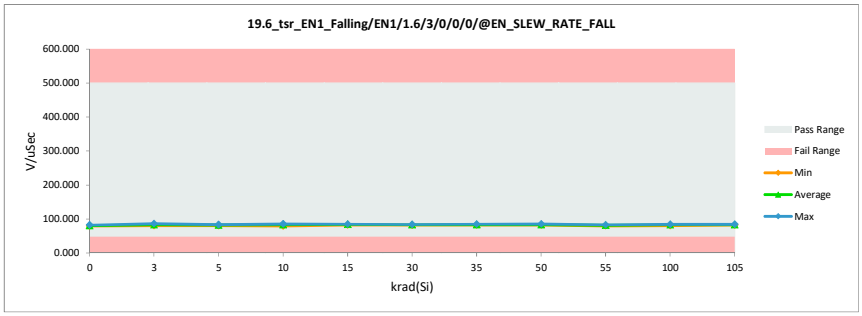
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.6_tsr_EN1_Falling/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 88.145 | 79.027 | -9.118 |
| 0 | 14 | 90.408 | 81.978 | -8.430 |
| 0 | 15 | 90.671 | 79.690 | -10.981 |
| 3 | 20 | 92.577 | 86.034 | -6.543 |
| 3 | 21 | 88.011 | 83.506 | -4.505 |
| 3 | 22 | 88.235 | 80.622 | -7.613 |
| 3 | 23 | 89.513 | 80.337 | -9.176 |
| 3 | 24 | 91.910 | 83.778 | -8.132 |
| 5 | 25 | 91.129 | 83.122 | -8.007 |
| 5 | 26 | 89.915 | 80.182 | -9.733 |
| 5 | 27 | 94.297 | 83.358 | -10.939 |
| 5 | 28 | 88.784 | 83.072 | -5.712 |
| 5 | 29 | 89.700 | 80.122 | -9.578 |
| 10 | 30 | 90.712 | 80.905 | -9.807 |
| 10 | 31 | 90.147 | 83.523 | -6.624 |
| 10 | 32 | 93.447 | 84.953 | -8.494 |
| 10 | 33 | 88.242 | 79.473 | -8.769 |
| 10 | 34 | 90.510 | 84.780 | -5.730 |
| 15 | 35 | 91.060 | 83.175 | -7.885 |
| 15 | 36 | 88.924 | 82.363 | -6.561 |
| 15 | 37 | 92.906 | 83.539 | -9.367 |
| 15 | 38 | 92.830 | 84.544 | -8.286 |
| 15 | 39 | 90.513 | 84.490 | -6.023 |
| 30 | 40 | 91.075 | 81.913 | -9.162 |
| 30 | 41 | 92.136 | 83.194 | -8.942 |
| 30 | 42 | 90.869 | 82.943 | -7.926 |
| 30 | 43 | 91.079 | 83.881 | -7.198 |
| 30 | 44 | 89.497 | 81.641 | -7.856 |
| 35 | 45 | 90.239 | 82.106 | -8.133 |
| 35 | 46 | 94.335 | 83.544 | -10.791 |
| 35 | 47 | 92.332 | 84.121 | -8.211 |
| 35 | 48 | 88.572 | 82.144 | -6.428 |
| 35 | 49 | 92.643 | 84.830 | -7.813 |
| 50 | 50 | 91.551 | 82.492 | -9.059 |
| 50 | 51 | 91.819 | 83.643 | -8.176 |
| 50 | 52 | 91.915 | 81.673 | -10.242 |
| 50 | 53 | 92.134 | 81.813 | -10.321 |
| 50 | 54 | 93.773 | 85.312 | -8.461 |
| 55 | 55 | 93.114 | 81.580 | -11.534 |
| 55 | 56 | 94.238 | 80.970 | -13.268 |
| 55 | 57 | 92.744 | 82.789 | -9.955 |
| 55 | 58 | 90.699 | 79.498 | -11.201 |
| 55 | 59 | 91.148 | 81.419 | -9.729 |
| 100 | 60 | 95.818 | 83.096 | -12.722 |
| 100 | 61 | 98.201 | 83.264 | -14.937 |
| 100 | 62 | 95.518 | 81.997 | -13.521 |
| 100 | 63 | 96.190 | 80.136 | -16.054 |
| 100 | 64 | 92.011 | 83.962 | -8.049 |
| 105 | 65 | 93.274 | 82.227 | -11.047 |
| 105 | 66 | 93.685 | 84.058 | -9.627 |
| 105 | 67 | 96.660 | 81.823 | -14.837 |
| 105 | 68 | 96.946 | 83.529 | -13.417 |
| 105 | 69 | 95.623 | 81.589 | -14.034 |
| | Max | 98.201 | 86.034 | -4.505 |
| | Average | 91.933 | 82.524 | -9.409 |
| | Min | 88.011 | 79.027 | -16.054 |
| | Std Dev | 2.436 | 1.643 | 2.527 |




| | 19.6_tsr_EN1_Falling/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 79.027 | 80.337 | 80.122 | 79.473 | 82.363 | 81.641 | 82.106 | 81.673 | 79.498 | 80.136 | 81.589 |
| Average | 80.232 | 82.855 | 81.971 | 82.727 | 83.622 | 82.714 | 83.349 | 82.987 | 81.251 | 82.491 | 82.645 |
| Max | 81.978 | 86.034 | 83.358 | 84.953 | 84.544 | 83.881 | 84.830 | 85.312 | 82.789 | 83.962 | 84.058 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

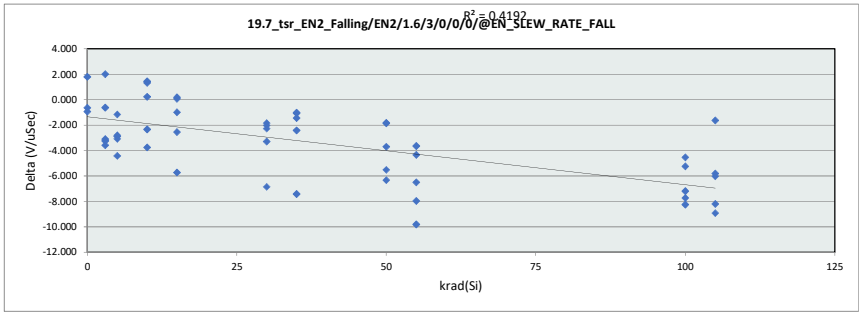


# TID HDR Report
# TPS7H3014-SP

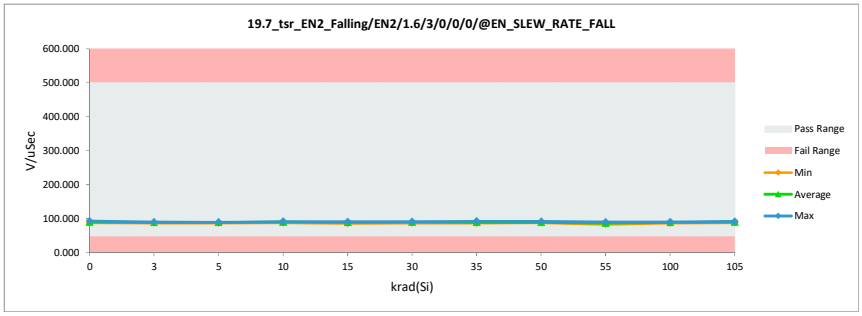
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.7_tsr_EN2_Falling/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 88.659 | 88.006 | -0.653 |
| 0 | 14 | 86.308 | 88.086 | 1.778 |
| 0 | 15 | 93.669 | 92.705 | -0.964 |
| 3 | 20 | 89.091 | 88.449 | -0.642 |
| 3 | 21 | 87.960 | 89.950 | 1.990 |
| 3 | 22 | 92.788 | 89.677 | -3.111 |
| 3 | 23 | 90.724 | 87.120 | -3.604 |
| 3 | 24 | 91.538 | 88.272 | -3.266 |
| 5 | 25 | 90.484 | 87.386 | -3.098 |
| 5 | 26 | 93.701 | 89.267 | -4.434 |
| 5 | 27 | 91.847 | 89.032 | -2.815 |
| 5 | 28 | 92.270 | 89.369 | -2.901 |
| 5 | 29 | 88.371 | 87.186 | -1.185 |
| 10 | 30 | 89.890 | 91.198 | 1.308 |
| 10 | 31 | 89.030 | 90.446 | 1.416 |
| 10 | 32 | 91.174 | 88.816 | -2.358 |
| 10 | 33 | 91.298 | 87.532 | -3.766 |
| 10 | 34 | 90.893 | 91.100 | 0.207 |
| 15 | 35 | 88.411 | 85.841 | -2.570 |
| 15 | 36 | 88.074 | 88.128 | 0.054 |
| 15 | 37 | 88.846 | 87.829 | -1.017 |
| 15 | 38 | 90.996 | 91.161 | 0.165 |
| 15 | 39 | 95.639 | 89.895 | -5.744 |
| 30 | 40 | 94.132 | 90.820 | -3.312 |
| 30 | 41 | 94.013 | 87.139 | -6.874 |
| 30 | 42 | 91.646 | 89.348 | -2.298 |
| 30 | 43 | 92.578 | 90.529 | -2.049 |
| 30 | 44 | 92.512 | 90.657 | -1.855 |
| 35 | 45 | 90.506 | 89.416 | -1.090 |
| 35 | 46 | 94.128 | 86.696 | -7.432 |
| 35 | 47 | 89.988 | 88.951 | -1.037 |
| 35 | 48 | 94.852 | 92.418 | -2.434 |
| 35 | 49 | 88.760 | 87.287 | -1.473 |
| 50 | 50 | 94.688 | 88.338 | -6.350 |
| 50 | 51 | 91.831 | 88.116 | -3.715 |
| 50 | 52 | 90.105 | 88.231 | -1.874 |
| 50 | 53 | 93.565 | 91.734 | -1.831 |
| 50 | 54 | 93.778 | 88.237 | -5.541 |
| 55 | 55 | 91.025 | 87.355 | -3.670 |
| 55 | 56 | 93.376 | 83.543 | -9.833 |
| 55 | 57 | 94.988 | 87.003 | -7.985 |
| 55 | 58 | 94.291 | 89.937 | -4.354 |
| 55 | 59 | 92.322 | 85.808 | -6.514 |
| 100 | 60 | 97.848 | 89.584 | -8.264 |
| 100 | 61 | 95.132 | 87.921 | -7.211 |
| 100 | 62 | 91.813 | 86.555 | -5.258 |
| 100 | 63 | 94.833 | 90.280 | -4.553 |
| 100 | 64 | 94.862 | 87.116 | -7.746 |
| 105 | 65 | 93.778 | 92.123 | -1.655 |
| 105 | 66 | 96.832 | 90.790 | -6.042 |
| 105 | 67 | 97.773 | 89.554 | -8.219 |
| 105 | 68 | 97.709 | 88.778 | -8.931 |
| 105 | 69 | 93.852 | 88.024 | -5.828 |
| | Max | 97.848 | 92.705 | 1.990 |
| | Average | 92.249 | 88.844 | -3.404 |
| | Min | 86.308 | 83.543 | -9.833 |
| | Std Dev | 2.722 | 1.827 | 2.948 |




| | 19.7_tsr_EN2_Falling/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 88.006 | 87.120 | 87.186 | 87.532 | 85.841 | 87.139 | 86.696 | 88.116 | 83.543 | 86.555 | 88.024 |
| Average | 89.599 | 88.694 | 88.448 | 89.818 | 88.571 | 89.699 | 88.954 | 88.931 | 86.729 | 88.291 | 89.854 |
| Max | 92.705 | 89.950 | 89.369 | 91.198 | 91.161 | 90.820 | 92.418 | 91.734 | 89.937 | 90.280 | 92.123 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

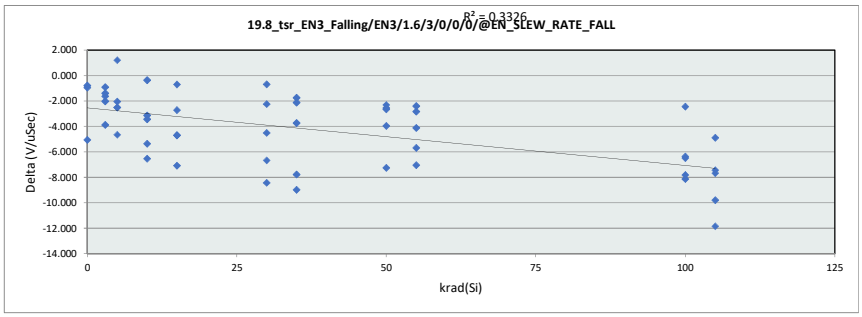


# TID HDR Report
# TPS7H3014-SP

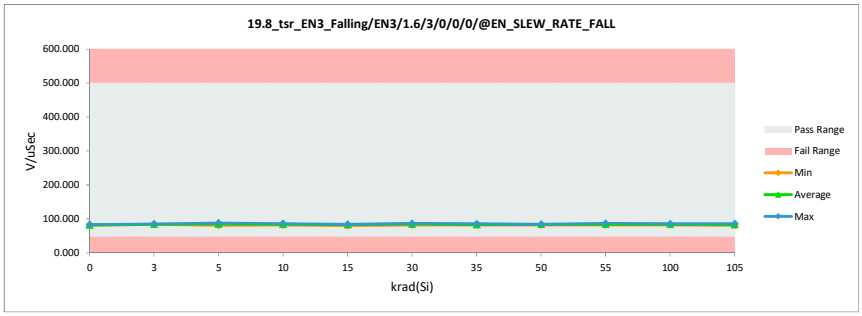
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.8_tsr_EN3_Falling/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 83.819 | 82.859 | -0.960 |
| 0 | 14 | 86.034 | 80.963 | -5.071 |
| 0 | 15 | 84.544 | 83.737 | -0.807 |
| 3 | 20 | 86.606 | 84.573 | -2.033 |
| 3 | 21 | 85.771 | 84.371 | -1.400 |
| 3 | 22 | 86.387 | 85.472 | -0.915 |
| 3 | 23 | 88.455 | 84.572 | -3.883 |
| 3 | 24 | 85.759 | 84.122 | -1.637 |
| 5 | 25 | 86.962 | 84.903 | -2.059 |
| 5 | 26 | 86.968 | 88.161 | 1.193 |
| 5 | 27 | 88.308 | 85.791 | -2.517 |
| 5 | 28 | 86.555 | 84.030 | -2.525 |
| 5 | 29 | 85.939 | 81.274 | -4.665 |
| 10 | 30 | 89.065 | 85.918 | -3.147 |
| 10 | 31 | 88.028 | 82.667 | -5.361 |
| 10 | 32 | 87.312 | 83.872 | -3.440 |
| 10 | 33 | 86.917 | 86.549 | -0.368 |
| 10 | 34 | 90.412 | 83.861 | -6.551 |
| 15 | 35 | 87.518 | 80.419 | -7.099 |
| 15 | 36 | 87.327 | 82.615 | -4.712 |
| 15 | 37 | 84.476 | 83.767 | -0.709 |
| 15 | 38 | 89.108 | 84.410 | -4.698 |
| 15 | 39 | 86.409 | 83.687 | -2.722 |
| 30 | 40 | 90.777 | 82.331 | -8.446 |
| 30 | 41 | 87.162 | 84.907 | -2.255 |
| 30 | 42 | 87.571 | 86.874 | -0.697 |
| 30 | 43 | 90.094 | 85.572 | -4.522 |
| 30 | 44 | 90.892 | 84.211 | -6.681 |
| 35 | 45 | 87.124 | 85.369 | -1.755 |
| 35 | 46 | 89.602 | 81.818 | -7.784 |
| 35 | 47 | 88.122 | 85.979 | -2.143 |
| 35 | 48 | 91.094 | 82.100 | -8.994 |
| 35 | 49 | 86.671 | 82.921 | -3.750 |
| 50 | 50 | 87.453 | 83.486 | -3.967 |
| 50 | 51 | 87.248 | 84.688 | -2.560 |
| 50 | 52 | 86.103 | 83.787 | -2.316 |
| 50 | 53 | 87.030 | 84.373 | -2.657 |
| 50 | 54 | 89.725 | 82.461 | -7.264 |
| 55 | 55 | 87.722 | 85.317 | -2.405 |
| 55 | 56 | 87.419 | 84.581 | -2.838 |
| 55 | 57 | 91.585 | 87.454 | -4.131 |
| 55 | 58 | 88.958 | 83.263 | -5.695 |
| 55 | 59 | 89.730 | 82.676 | -7.054 |
| 100 | 60 | 90.918 | 84.426 | -6.492 |
| 100 | 61 | 88.154 | 85.710 | -2.444 |
| 100 | 62 | 90.902 | 84.522 | -6.380 |
| 100 | 63 | 89.926 | 82.103 | -7.823 |
| 100 | 64 | 90.563 | 82.419 | -8.144 |
| 105 | 65 | 91.618 | 81.817 | -9.801 |
| 105 | 66 | 91.344 | 86.443 | -4.901 |
| 105 | 67 | 92.915 | 85.232 | -7.683 |
| 105 | 68 | 95.591 | 83.740 | -11.851 |
| 105 | 69 | 88.725 | 81.279 | -7.446 |
| | Max | 95.591 | 88.161 | 1.193 |
| | Average | 88.329 | 84.046 | -4.282 |
| | Min | 83.819 | 80.419 | -11.851 |
| | Std Dev | 2.286 | 1.686 | 2.820 |




| | 19.8_tsr_EN3_Falling/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 80.963 | 84.122 | 81.274 | 82.667 | 80.419 | 82.331 | 81.818 | 82.461 | 82.676 | 82.103 | 81.279 |
| Average | 82.520 | 84.622 | 84.832 | 84.573 | 82.980 | 84.779 | 83.637 | 83.759 | 84.658 | 83.836 | 83.702 |
| Max | 83.737 | 85.472 | 88.161 | 86.549 | 84.410 | 86.874 | 85.979 | 84.688 | 87.454 | 85.710 | 86.443 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

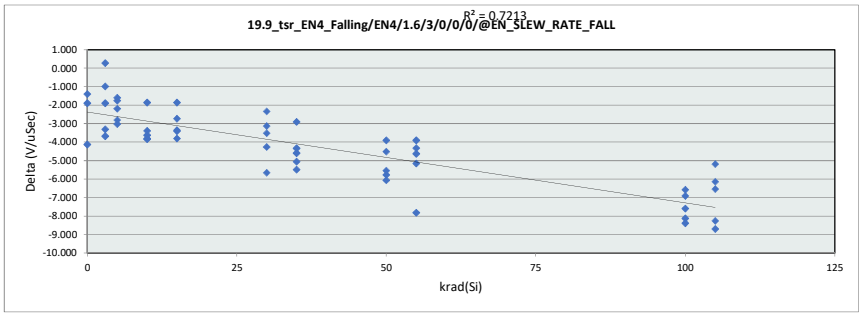


# TID HDR Report
# TPS7H3014-SP

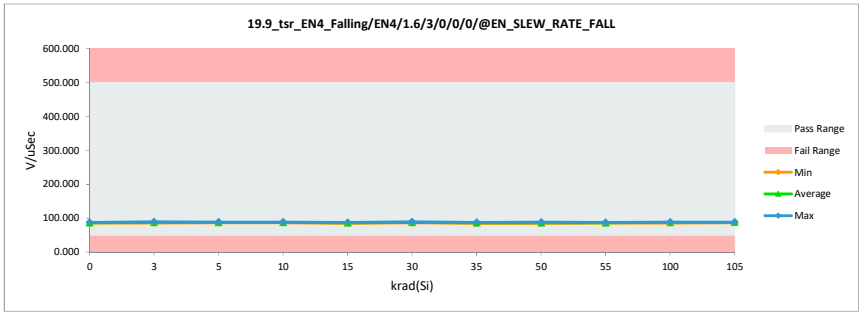
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.9_tsr_EN4_Falling/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 88.353 | 86.451 | -1.902 |
| 0 | 14 | 89.087 | 84.948 | -4.139 |
| 0 | 15 | 89.126 | 87.719 | -1.407 |
| 3 | 20 | 89.526 | 87.620 | -1.906 |
| 3 | 21 | 88.709 | 87.716 | -0.993 |
| 3 | 22 | 92.600 | 89.279 | -3.321 |
| 3 | 23 | 89.274 | 85.581 | -3.693 |
| 3 | 24 | 87.381 | 87.642 | 0.261 |
| 5 | 25 | 87.995 | 86.227 | -1.768 |
| 5 | 26 | 90.680 | 87.644 | -3.036 |
| 5 | 27 | 90.646 | 89.036 | -1.610 |
| 5 | 28 | 90.517 | 87.697 | -2.820 |
| 5 | 29 | 88.980 | 86.779 | -2.201 |
| 10 | 30 | 92.214 | 88.390 | -3.824 |
| 10 | 31 | 87.872 | 85.999 | -1.873 |
| 10 | 32 | 91.496 | 87.645 | -3.851 |
| 10 | 33 | 89.577 | 85.946 | -3.631 |
| 10 | 34 | 90.232 | 86.831 | -3.401 |
| 15 | 35 | 88.570 | 85.204 | -3.366 |
| 15 | 36 | 86.615 | 84.744 | -1.871 |
| 15 | 37 | 88.801 | 85.386 | -3.415 |
| 15 | 38 | 89.898 | 87.151 | -2.747 |
| 15 | 39 | 91.414 | 87.595 | -3.819 |
| 30 | 40 | 92.789 | 89.646 | -3.143 |
| 30 | 41 | 90.431 | 86.904 | -3.527 |
| 30 | 42 | 90.074 | 85.801 | -4.273 |
| 30 | 43 | 94.279 | 88.612 | -5.667 |
| 30 | 44 | 89.851 | 87.501 | -2.350 |
| 35 | 45 | 90.757 | 85.261 | -5.496 |
| 35 | 46 | 91.074 | 86.469 | -4.605 |
| 35 | 47 | 89.820 | 86.909 | -2.911 |
| 35 | 48 | 92.437 | 88.090 | -4.347 |
| 35 | 49 | 89.390 | 84.324 | -5.066 |
| 50 | 50 | 91.677 | 86.124 | -5.553 |
| 50 | 51 | 91.334 | 86.811 | -4.523 |
| 50 | 52 | 90.398 | 84.607 | -5.791 |
| 50 | 53 | 92.588 | 88.676 | -3.912 |
| 50 | 54 | 93.013 | 86.937 | -6.076 |
| 55 | 55 | 91.364 | 86.719 | -4.645 |
| 55 | 56 | 92.808 | 84.981 | -7.827 |
| 55 | 57 | 91.958 | 87.622 | -4.336 |
| 55 | 58 | 90.475 | 86.559 | -3.916 |
| 55 | 59 | 91.078 | 85.908 | -5.170 |
| 100 | 60 | 95.743 | 89.154 | -6.589 |
| 100 | 61 | 94.114 | 87.195 | -6.919 |
| 100 | 62 | 94.349 | 86.215 | -8.134 |
| 100 | 63 | 93.743 | 86.138 | -7.605 |
| 100 | 64 | 93.571 | 85.169 | -8.402 |
| 105 | 65 | 94.204 | 88.044 | -6.160 |
| 105 | 66 | 93.821 | 88.616 | -5.205 |
| 105 | 67 | 94.826 | 86.554 | -8.272 |
| 105 | 68 | 97.772 | 89.061 | -8.711 |
| 105 | 69 | 93.216 | 86.661 | -6.555 |
| | Max | 97.772 | 89.646 | 0.261 |
| | Average | 91.180 | 86.915 | -4.265 |
| | Min | 86.615 | 84.324 | -8.711 |
| | Std Dev | 2.293 | 1.319 | 2.075 |




| | 19.9_tsr_EN4_Falling/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 84.948 | 85.581 | 86.227 | 85.946 | 84.744 | 85.801 | 84.324 | 84.607 | 84.981 | 85.169 | 86.554 |
| Average | 86.373 | 87.568 | 87.477 | 86.962 | 86.016 | 87.693 | 86.211 | 86.631 | 86.358 | 86.774 | 87.787 |
| Max | 87.719 | 89.279 | 89.036 | 88.390 | 87.595 | 89.646 | 88.090 | 88.676 | 87.622 | 89.154 | 89.061 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

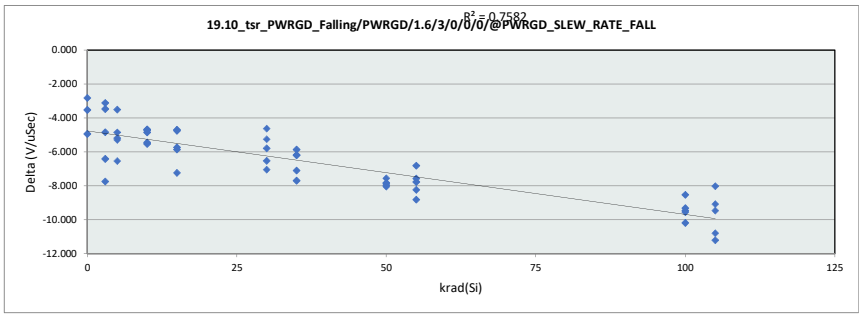


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

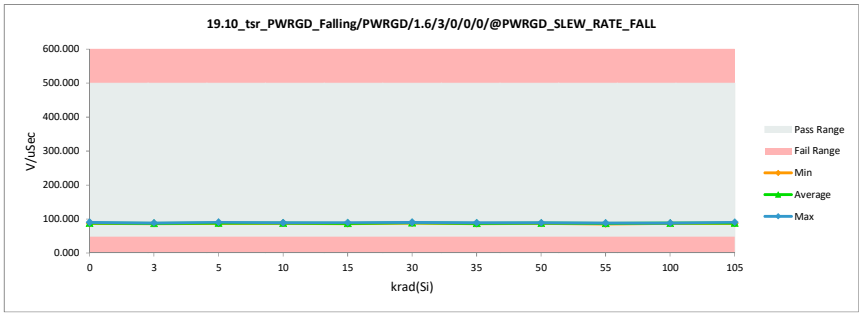
| | 19.10_tsr_PWRGD_Falling | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 92.184 | 87.235 | -4.949 |
| 0 | 14 | 90.186 | 86.646 | -3.540 |
| 0 | 15 | 92.720 | 89.886 | -2.834 |
| 3 | 20 | 94.344 | 86.593 | -7.751 |
| 3 | 21 | 90.869 | 87.746 | -3.123 |
| 3 | 22 | 91.524 | 88.047 | -3.477 |
| 3 | 23 | 91.595 | 86.740 | -4.855 |
| 3 | 24 | 92.615 | 86.191 | -6.424 |
| 5 | 25 | 93.330 | 86.780 | -6.550 |
| 5 | 26 | 92.076 | 88.557 | -3.519 |
| 5 | 27 | 92.375 | 87.178 | -5.197 |
| 5 | 28 | 94.893 | 90.031 | -4.862 |
| 5 | 29 | 93.789 | 88.490 | -5.299 |
| 10 | 30 | 93.261 | 88.573 | -4.688 |
| 10 | 31 | 92.083 | 87.218 | -4.865 |
| 10 | 32 | 93.640 | 88.099 | -5.541 |
| 10 | 33 | 91.770 | 87.048 | -4.722 |
| 10 | 34 | 93.589 | 88.139 | -5.450 |
| 15 | 35 | 91.734 | 87.033 | -4.701 |
| 15 | 36 | 92.922 | 85.672 | -7.250 |
| 15 | 37 | 91.884 | 86.142 | -5.742 |
| 15 | 38 | 92.725 | 87.964 | -4.761 |
| 15 | 39 | 94.949 | 89.082 | -5.867 |
| 30 | 40 | 96.425 | 89.370 | -7.055 |
| 30 | 41 | 93.376 | 87.574 | -5.802 |
| 30 | 42 | 93.618 | 88.354 | -5.264 |
| 30 | 43 | 94.226 | 89.589 | -4.637 |
| 30 | 44 | 95.351 | 88.815 | -6.536 |
| 35 | 45 | 92.445 | 86.240 | -6.205 |
| 35 | 46 | 93.590 | 85.887 | -7.703 |
| 35 | 47 | 93.702 | 87.504 | -6.198 |
| 35 | 48 | 95.867 | 88.757 | -7.110 |
| 35 | 49 | 93.612 | 87.736 | -5.876 |
| 50 | 50 | 95.061 | 86.998 | -8.063 |
| 50 | 51 | 95.722 | 88.149 | -7.573 |
| 50 | 52 | 95.136 | 87.304 | -7.832 |
| 50 | 53 | 95.995 | 88.021 | -7.974 |
| 50 | 54 | 96.772 | 88.906 | -7.866 |
| 55 | 55 | 96.033 | 88.248 | -7.785 |
| 55 | 56 | 93.869 | 85.041 | -8.828 |
| 55 | 57 | 95.927 | 88.345 | -7.582 |
| 55 | 58 | 92.720 | 85.894 | -6.826 |
| 55 | 59 | 94.406 | 86.157 | -8.249 |
| 100 | 60 | 98.371 | 88.175 | -10.196 |
| 100 | 61 | 96.487 | 86.925 | -9.562 |
| 100 | 62 | 97.514 | 88.187 | -9.327 |
| 100 | 63 | 97.173 | 87.687 | -9.486 |
| 100 | 64 | 95.594 | 87.051 | -8.543 |
| 105 | 65 | 96.282 | 87.197 | -9.085 |
| 105 | 66 | 99.715 | 90.240 | -9.475 |
| 105 | 67 | 97.972 | 86.758 | -11.214 |
| 105 | 68 | 100.539 | 89.733 | -10.806 |
| 105 | 69 | 94.645 | 86.619 | -8.026 |
| | Max | 100.539 | 90.240 | -2.834 |
| | Average | 94.325 | 87.671 | -6.654 |
| | Min | 90.186 | 85.041 | -11.214 |
| | Std Dev | 2.221 | 1.194 | 2.027 |




| | 19.10_tsr_PWRGD_Fallin | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 86.646 | 86.191 | 86.780 | 87.048 | 85.672 | 87.574 | 85.887 | 86.998 | 85.041 | 86.925 | 86.619 |
| Average | 87.922 | 87.063 | 88.207 | 87.815 | 87.179 | 88.740 | 87.225 | 87.876 | 86.737 | 87.605 | 88.109 |
| Max | 89.886 | 88.047 | 90.031 | 88.573 | 89.082 | 89.589 | 88.757 | 88.906 | 88.345 | 88.187 | 90.240 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

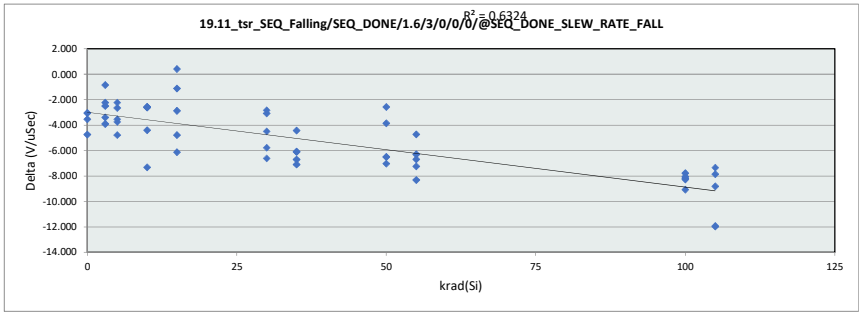


# TID HDR Report
# TPS7H3014-SP

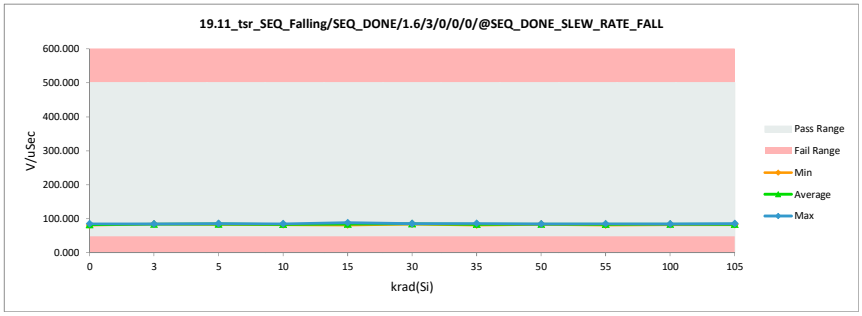
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.11_tsr_SEQ_Falling/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 84.700 | 81.625 | -3.075 |
| 0 | 14 | 85.784 | 81.027 | -4.757 |
| 0 | 15 | 88.313 | 84.757 | -3.556 |
| 3 | 20 | 87.453 | 84.047 | -3.406 |
| 3 | 21 | 86.108 | 83.598 | -2.510 |
| 3 | 22 | 87.863 | 83.938 | -3.925 |
| 3 | 23 | 84.577 | 83.711 | -0.866 |
| 3 | 24 | 86.260 | 84.009 | -2.251 |
| 5 | 25 | 87.918 | 85.249 | -2.669 |
| 5 | 26 | 89.121 | 84.328 | -4.793 |
| 5 | 27 | 85.728 | 83.483 | -2.245 |
| 5 | 28 | 87.588 | 83.820 | -3.768 |
| 5 | 29 | 88.174 | 84.616 | -3.558 |
| 10 | 30 | 87.247 | 84.623 | -2.624 |
| 10 | 31 | 89.369 | 82.038 | -7.331 |
| 10 | 32 | 86.837 | 84.267 | -2.570 |
| 10 | 33 | 84.643 | 82.036 | -2.607 |
| 10 | 34 | 86.472 | 82.057 | -4.415 |
| 15 | 35 | 86.143 | 85.009 | -1.134 |
| 15 | 36 | 86.272 | 83.387 | -2.885 |
| 15 | 37 | 86.354 | 81.558 | -4.796 |
| 15 | 38 | 88.361 | 82.214 | -6.147 |
| 15 | 39 | 87.427 | 87.825 | 0.398 |
| 30 | 40 | 91.025 | 84.396 | -6.629 |
| 30 | 41 | 88.950 | 84.438 | -4.512 |
| 30 | 42 | 88.333 | 85.232 | -3.101 |
| 30 | 43 | 89.871 | 84.076 | -5.795 |
| 30 | 44 | 87.861 | 85.010 | -2.851 |
| 35 | 45 | 87.481 | 83.039 | -4.442 |
| 35 | 46 | 88.002 | 80.893 | -7.109 |
| 35 | 47 | 89.586 | 83.465 | -6.121 |
| 35 | 48 | 91.742 | 85.649 | -6.093 |
| 35 | 49 | 88.925 | 82.198 | -6.727 |
| 50 | 50 | 86.268 | 83.686 | -2.582 |
| 50 | 51 | 90.342 | 83.820 | -6.522 |
| 50 | 52 | 87.265 | 83.398 | -3.867 |
| 50 | 53 | 91.429 | 84.377 | -7.052 |
| 50 | 54 | 90.150 | 83.637 | -6.513 |
| 55 | 55 | 90.151 | 82.891 | -7.260 |
| 55 | 56 | 89.196 | 80.866 | -8.330 |
| 55 | 57 | 90.978 | 84.668 | -6.310 |
| 55 | 58 | 89.585 | 82.881 | -6.704 |
| 55 | 59 | 88.714 | 83.969 | -4.745 |
| 100 | 60 | 92.636 | 84.441 | -8.195 |
| 100 | 61 | 91.527 | 82.445 | -9.082 |
| 100 | 62 | 91.834 | 84.039 | -7.795 |
| 100 | 63 | 92.193 | 84.131 | -8.062 |
| 100 | 64 | 91.515 | 83.226 | -8.289 |
| 105 | 65 | 92.336 | 84.470 | -7.866 |
| 105 | 66 | 93.970 | 85.137 | -8.833 |
| 105 | 67 | 94.189 | 82.203 | -11.986 |
| 105 | 68 | 94.538 | 82.598 | -11.940 |
| 105 | 69 | 90.242 | 82.887 | -7.355 |
| | Max | 94.538 | 87.825 | 0.398 |
| | Average | 88.859 | 83.611 | -5.248 |
| | Min | 84.577 | 80.866 | -11.986 |
| | Std Dev | 2.491 | 1.324 | 2.652 |




| | 19.11_tsr_SEQ_Falling/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 81.027 | 83.598 | 83.483 | 82.036 | 81.558 | 84.076 | 80.893 | 83.398 | 80.866 | 82.445 | 82.203 |
| Average | 82.470 | 83.861 | 84.299 | 83.004 | 83.999 | 84.630 | 83.049 | 83.784 | 83.055 | 83.656 | 83.459 |
| Max | 84.757 | 84.047 | 85.249 | 84.623 | 87.825 | 85.232 | 85.649 | 84.377 | 84.668 | 84.441 | 85.137 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

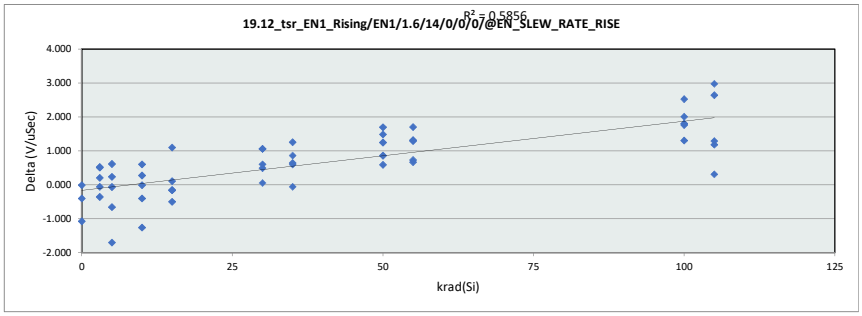


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

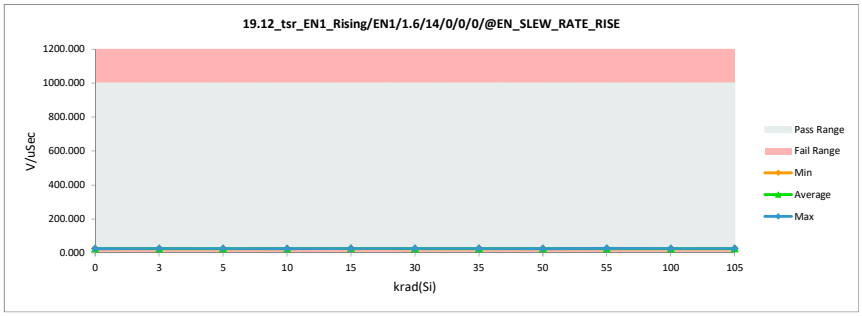
| | 19.12_tsr_EN1_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 25.959 | 25.548 | -0.411 |
| 0 | 14 | 26.067 | 24.986 | -1.081 |
| 0 | 15 | 25.760 | 25.745 | -0.015 |
| 3 | 20 | 26.012 | 26.209 | 0.197 |
| 3 | 21 | 26.054 | 25.688 | -0.366 |
| 3 | 22 | 25.081 | 25.014 | -0.067 |
| 3 | 23 | 24.887 | 25.404 | 0.517 |
| 3 | 24 | 25.812 | 26.313 | 0.501 |
| 5 | 25 | 26.015 | 25.946 | -0.069 |
| 5 | 26 | 25.299 | 25.904 | 0.605 |
| 5 | 27 | 26.766 | 25.059 | -1.707 |
| 5 | 28 | 25.691 | 25.919 | 0.228 |
| 5 | 29 | 25.361 | 24.696 | -0.665 |
| 10 | 30 | 25.081 | 25.676 | 0.595 |
| 10 | 31 | 26.466 | 25.197 | -1.269 |
| 10 | 32 | 25.380 | 25.650 | 0.270 |
| 10 | 33 | 26.061 | 25.652 | -0.409 |
| 10 | 34 | 25.781 | 25.766 | -0.015 |
| 15 | 35 | 25.271 | 25.374 | 0.103 |
| 15 | 36 | 25.555 | 26.645 | 1.090 |
| 15 | 37 | 25.445 | 25.279 | -0.166 |
| 15 | 38 | 26.812 | 26.307 | -0.505 |
| 15 | 39 | 26.343 | 26.180 | -0.163 |
| 30 | 40 | 25.667 | 25.712 | 0.045 |
| 30 | 41 | 24.230 | 25.285 | 1.055 |
| 30 | 42 | 24.928 | 25.981 | 1.053 |
| 30 | 43 | 25.379 | 25.974 | 0.595 |
| 30 | 44 | 24.194 | 24.680 | 0.486 |
| 35 | 45 | 25.091 | 25.685 | 0.594 |
| 35 | 46 | 24.221 | 24.858 | 0.637 |
| 35 | 47 | 25.175 | 26.425 | 1.250 |
| 35 | 48 | 24.974 | 25.831 | 0.857 |
| 35 | 49 | 26.104 | 26.039 | -0.065 |
| 50 | 50 | 24.242 | 25.721 | 1.479 |
| 50 | 51 | 23.876 | 25.567 | 1.691 |
| 50 | 52 | 24.749 | 25.331 | 0.582 |
| 50 | 53 | 24.383 | 25.624 | 1.241 |
| 50 | 54 | 24.722 | 25.575 | 0.853 |
| 55 | 55 | 24.052 | 25.366 | 1.314 |
| 55 | 56 | 24.482 | 25.770 | 1.288 |
| 55 | 57 | 24.699 | 25.421 | 0.722 |
| 55 | 58 | 24.036 | 24.698 | 0.662 |
| 55 | 59 | 25.179 | 26.872 | 1.693 |
| 100 | 60 | 23.376 | 25.174 | 1.798 |
| 100 | 61 | 23.099 | 25.617 | 2.518 |
| 100 | 62 | 23.469 | 24.765 | 1.296 |
| 100 | 63 | 23.957 | 25.718 | 1.761 |
| 100 | 64 | 24.058 | 26.055 | 1.997 |
| 105 | 65 | 24.926 | 25.229 | 0.303 |
| 105 | 66 | 24.811 | 25.987 | 1.176 |
| 105 | 67 | 23.028 | 25.667 | 2.639 |
| 105 | 68 | 22.840 | 25.810 | 2.970 |
| 105 | 69 | 23.894 | 25.175 | 1.281 |
| | Max | 26.812 | 26.872 | 2.970 |
| | Average | 24.996 | 25.618 | 0.622 |
| | Min | 22.840 | 24.680 | -1.707 |
| | Std Dev | 0.967 | 0.487 | 0.951 |




| | 19.12_tsr_EN1_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 24.986 | 25.014 | 24.696 | 25.197 | 25.279 | 24.680 | 24.858 | 25.331 | 24.698 | 24.765 | 25.175 |
| Average | 25.426 | 25.726 | 25.505 | 25.588 | 25.957 | 25.526 | 25.768 | 25.564 | 25.625 | 25.466 | 25.574 |
| Max | 25.745 | 26.313 | 25.946 | 25.766 | 26.645 | 25.981 | 26.425 | 25.721 | 26.872 | 26.055 | 25.987 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

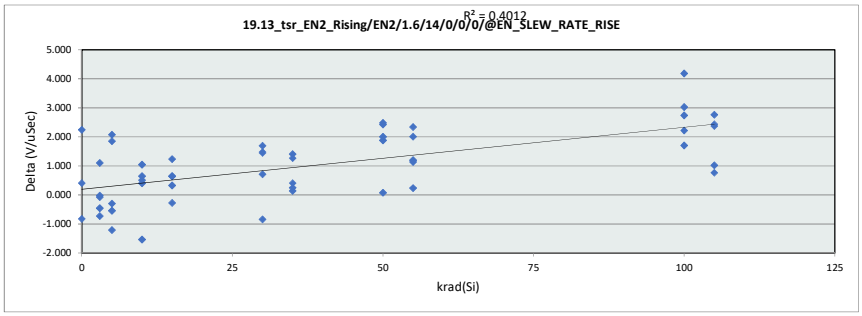


# TID HDR Report
# TPS7H3014-SP

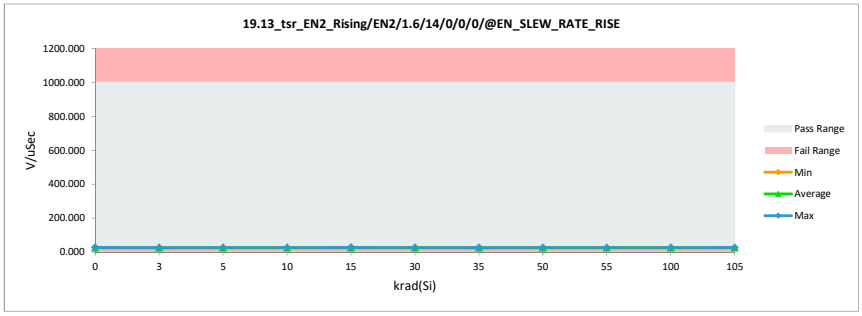
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.13_tsr_EN2_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 26.111 | 28.344 | 2.233 |
| 0 | 14 | 26.099 | 25.269 | -0.830 |
| 0 | 15 | 25.570 | 25.975 | 0.405 |
| 3 | 20 | 25.886 | 25.856 | -0.030 |
| 3 | 21 | 26.764 | 26.034 | -0.730 |
| 3 | 22 | 25.283 | 26.377 | 1.094 |
| 3 | 23 | 25.087 | 25.005 | -0.082 |
| 3 | 24 | 26.431 | 25.966 | -0.465 |
| 5 | 25 | 25.229 | 27.073 | 1.844 |
| 5 | 26 | 25.397 | 24.848 | -0.549 |
| 5 | 27 | 26.673 | 25.462 | -1.211 |
| 5 | 28 | 25.566 | 27.636 | 2.070 |
| 5 | 29 | 26.509 | 26.204 | -0.305 |
| 10 | 30 | 25.309 | 26.347 | 1.038 |
| 10 | 31 | 26.900 | 25.358 | -1.542 |
| 10 | 32 | 25.375 | 26.018 | 0.643 |
| 10 | 33 | 26.717 | 27.111 | 0.394 |
| 10 | 34 | 25.447 | 25.953 | 0.506 |
| 15 | 35 | 25.560 | 25.881 | 0.321 |
| 15 | 36 | 26.829 | 27.466 | 0.637 |
| 15 | 37 | 25.302 | 25.942 | 0.640 |
| 15 | 38 | 25.711 | 25.433 | -0.278 |
| 15 | 39 | 26.773 | 28.000 | 1.227 |
| 30 | 40 | 26.566 | 25.721 | -0.845 |
| 30 | 41 | 24.611 | 26.087 | 1.476 |
| 30 | 42 | 25.976 | 26.681 | 0.705 |
| 30 | 43 | 25.924 | 27.607 | 1.683 |
| 30 | 44 | 24.394 | 25.831 | 1.437 |
| 35 | 45 | 26.013 | 26.146 | 0.133 |
| 35 | 46 | 24.955 | 26.217 | 1.262 |
| 35 | 47 | 25.686 | 26.089 | 0.403 |
| 35 | 48 | 25.698 | 25.939 | 0.241 |
| 35 | 49 | 25.042 | 26.440 | 1.398 |
| 50 | 50 | 24.101 | 26.094 | 1.993 |
| 50 | 51 | 24.377 | 26.796 | 2.419 |
| 50 | 52 | 25.170 | 27.044 | 1.874 |
| 50 | 53 | 24.373 | 26.849 | 2.476 |
| 50 | 54 | 25.246 | 25.315 | 0.069 |
| 55 | 55 | 24.662 | 25.857 | 1.195 |
| 55 | 56 | 25.062 | 27.397 | 2.335 |
| 55 | 57 | 24.090 | 25.218 | 1.128 |
| 55 | 58 | 25.329 | 25.557 | 0.228 |
| 55 | 59 | 25.111 | 27.112 | 2.001 |
| 100 | 60 | 23.747 | 26.480 | 2.733 |
| 100 | 61 | 22.406 | 26.584 | 4.178 |
| 100 | 62 | 23.708 | 26.728 | 3.020 |
| 100 | 63 | 24.240 | 25.936 | 1.696 |
| 100 | 64 | 23.951 | 26.165 | 2.214 |
| 105 | 65 | 25.148 | 25.903 | 0.755 |
| 105 | 66 | 24.997 | 27.362 | 2.365 |
| 105 | 67 | 22.986 | 25.743 | 2.757 |
| 105 | 68 | 22.688 | 25.120 | 2.432 |
| 105 | 69 | 23.972 | 24.985 | 1.013 |
| | Max | 26.900 | 28.344 | 4.178 |
| | Average | 25.222 | 26.237 | 1.015 |
| | Min | 22.406 | 24.848 | -1.542 |
| | Std Dev | 1.055 | 0.799 | 1.207 |




| | 19.13_tsr_EN2_Rising/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.269 | 25.005 | 24.848 | 25.358 | 25.433 | 25.721 | 25.939 | 25.315 | 25.218 | 25.936 | 24.985 |
| Average | 26.529 | 25.848 | 26.245 | 26.157 | 26.544 | 26.385 | 26.166 | 26.420 | 26.228 | 26.379 | 25.823 |
| Max | 28.344 | 26.377 | 27.636 | 27.111 | 28.000 | 27.607 | 26.440 | 27.044 | 27.397 | 26.728 | 27.362 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

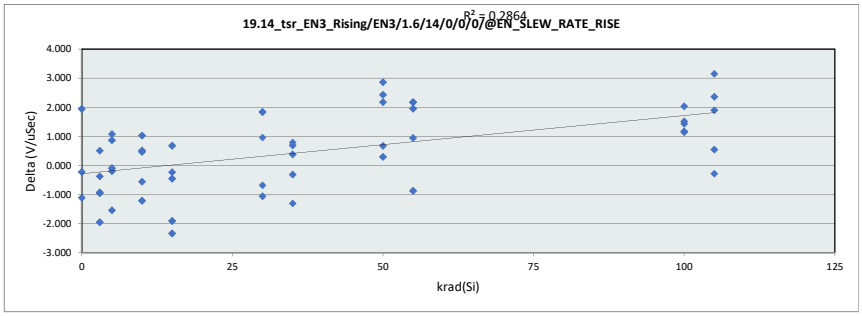


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

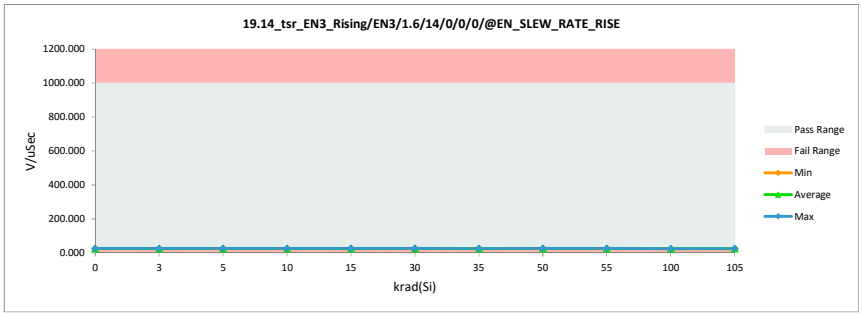
| | 19.14_tsr_EN3_Rising/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 25.330 | 27.267 | 1.937 |
| 0 | 14 | 24.944 | 24.715 | -0.229 |
| 0 | 15 | 27.121 | 26.006 | -1.115 |
| 3 | 20 | 25.256 | 24.878 | -0.378 |
| 3 | 21 | 26.303 | 26.808 | 0.505 |
| 3 | 22 | 26.223 | 24.264 | -1.959 |
| 3 | 23 | 25.878 | 24.950 | -0.928 |
| 3 | 24 | 25.597 | 24.643 | -0.954 |
| 5 | 25 | 26.062 | 25.859 | -0.203 |
| 5 | 26 | 25.754 | 25.656 | -0.098 |
| 5 | 27 | 26.154 | 24.608 | -1.546 |
| 5 | 28 | 25.675 | 26.539 | 0.864 |
| 5 | 29 | 25.483 | 26.559 | 1.076 |
| 10 | 30 | 25.705 | 24.485 | -1.220 |
| 10 | 31 | 26.547 | 27.009 | 0.462 |
| 10 | 32 | 25.343 | 26.369 | 1.026 |
| 10 | 33 | 25.774 | 26.289 | 0.515 |
| 10 | 34 | 25.691 | 25.131 | -0.560 |
| 15 | 35 | 26.950 | 24.611 | -2.339 |
| 15 | 36 | 26.378 | 25.920 | -0.458 |
| 15 | 37 | 24.636 | 25.309 | 0.673 |
| 15 | 38 | 26.851 | 26.614 | -0.237 |
| 15 | 39 | 26.845 | 24.934 | -1.911 |
| 30 | 40 | 24.919 | 26.745 | 1.826 |
| 30 | 41 | 24.359 | 25.311 | 0.952 |
| 30 | 42 | 26.193 | 25.125 | -1.068 |
| 30 | 43 | 25.615 | 24.929 | -0.686 |
| 30 | 44 | 24.277 | 26.116 | 1.839 |
| 35 | 45 | 24.807 | 25.186 | 0.379 |
| 35 | 46 | 25.300 | 26.088 | 0.788 |
| 35 | 47 | 26.488 | 25.177 | -1.311 |
| 35 | 48 | 25.140 | 24.822 | -0.318 |
| 35 | 49 | 24.301 | 24.987 | 0.686 |
| 50 | 50 | 23.468 | 25.894 | 2.426 |
| 50 | 51 | 23.626 | 26.488 | 2.862 |
| 50 | 52 | 23.974 | 26.147 | 2.173 |
| 50 | 53 | 24.399 | 24.692 | 0.293 |
| 50 | 54 | 24.449 | 25.117 | 0.668 |
| 55 | 55 | 23.934 | 26.099 | 2.165 |
| 55 | 56 | 24.569 | 26.517 | 1.948 |
| 55 | 57 | 24.324 | 26.496 | 2.172 |
| 55 | 58 | 24.604 | 25.549 | 0.945 |
| 55 | 59 | 26.378 | 25.500 | -0.878 |
| 100 | 60 | 23.332 | 24.845 | 1.513 |
| 100 | 61 | 22.708 | 24.139 | 1.431 |
| 100 | 62 | 23.420 | 25.451 | 2.031 |
| 100 | 63 | 23.906 | 25.047 | 1.141 |
| 100 | 64 | 23.571 | 24.735 | 1.164 |
| 105 | 65 | 23.750 | 26.107 | 2.357 |
| 105 | 66 | 25.450 | 25.160 | -0.290 |
| 105 | 67 | 22.658 | 25.802 | 3.144 |
| 105 | 68 | 22.838 | 24.733 | 1.895 |
| 105 | 69 | 23.759 | 24.302 | 0.543 |
| | Max | 27.121 | 27.267 | 3.144 |
| | Average | 25.038 | 25.523 | 0.485 |
| | Min | 22.658 | 24.139 | -2.339 |
| | Std Dev | 1.177 | 0.800 | 1.338 |




| | 19.14_tsr_EN3_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 24.715 | 24.264 | 24.608 | 24.485 | 24.611 | 24.929 | 24.822 | 24.692 | 25.500 | 24.139 | 24.302 |
| Average | 25.996 | 25.109 | 25.844 | 25.857 | 25.478 | 25.645 | 25.252 | 25.668 | 26.032 | 24.843 | 25.221 |
| Max | 27.267 | 26.808 | 26.559 | 27.009 | 26.614 | 26.745 | 26.088 | 26.488 | 26.517 | 25.451 | 26.107 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

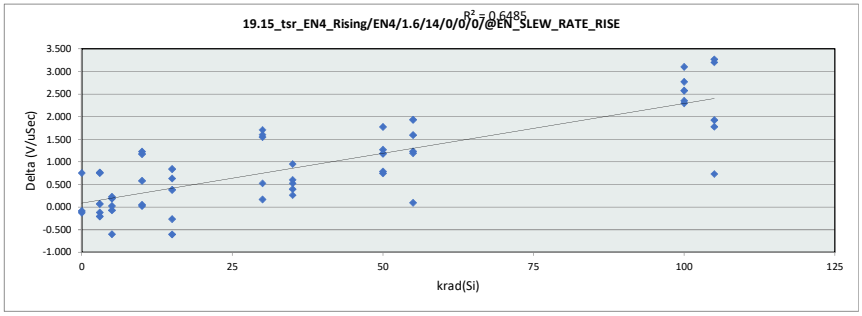


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

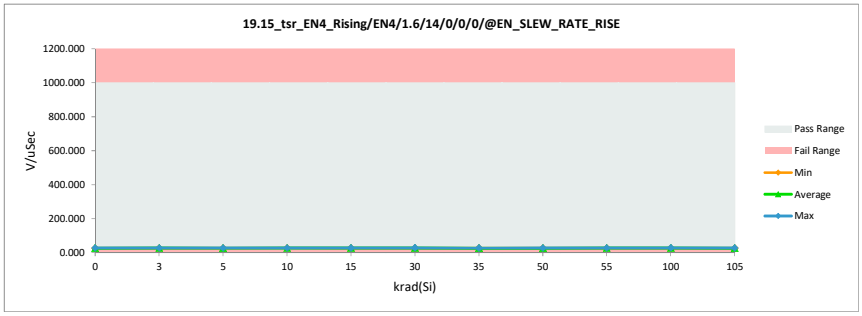
| | 19.15_tsr_EN4_Rising/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 26.202 | 26.115 | -0.087 |
| 0 | 14 | 25.997 | 26.746 | 0.749 |
| 0 | 15 | 26.013 | 25.883 | -0.130 |
| 3 | 20 | 25.755 | 26.515 | 0.760 |
| 3 | 21 | 27.122 | 27.000 | -0.122 |
| 3 | 22 | 26.073 | 26.825 | 0.752 |
| 3 | 23 | 25.962 | 26.028 | 0.066 |
| 3 | 24 | 26.555 | 26.345 | -0.210 |
| 5 | 25 | 25.467 | 25.392 | -0.075 |
| 5 | 26 | 25.713 | 25.937 | 0.224 |
| 5 | 27 | 26.409 | 25.807 | -0.602 |
| 5 | 28 | 26.492 | 26.516 | 0.024 |
| 5 | 29 | 25.988 | 26.175 | 0.187 |
| 10 | 30 | 25.122 | 26.348 | 1.226 |
| 10 | 31 | 26.131 | 26.710 | 0.579 |
| 10 | 32 | 26.532 | 26.555 | 0.023 |
| 10 | 33 | 25.764 | 26.935 | 1.171 |
| 10 | 34 | 26.359 | 26.407 | 0.048 |
| 15 | 35 | 25.672 | 26.050 | 0.378 |
| 15 | 36 | 26.228 | 27.068 | 0.840 |
| 15 | 37 | 26.306 | 26.036 | -0.270 |
| 15 | 38 | 26.239 | 26.868 | 0.629 |
| 15 | 39 | 26.700 | 26.092 | -0.608 |
| 30 | 40 | 25.772 | 27.370 | 1.598 |
| 30 | 41 | 25.401 | 25.565 | 0.164 |
| 30 | 42 | 25.454 | 27.159 | 1.705 |
| 30 | 43 | 25.772 | 27.317 | 1.545 |
| 30 | 44 | 25.270 | 25.794 | 0.524 |
| 35 | 45 | 25.753 | 26.352 | 0.599 |
| 35 | 46 | 24.717 | 25.668 | 0.951 |
| 35 | 47 | 25.947 | 26.207 | 0.260 |
| 35 | 48 | 25.899 | 26.294 | 0.395 |
| 35 | 49 | 25.357 | 25.881 | 0.524 |
| 50 | 50 | 24.127 | 25.391 | 1.264 |
| 50 | 51 | 24.746 | 25.488 | 0.742 |
| 50 | 52 | 25.036 | 26.806 | 1.770 |
| 50 | 53 | 25.093 | 25.878 | 0.785 |
| 50 | 54 | 25.102 | 26.278 | 1.176 |
| 55 | 55 | 24.945 | 26.175 | 1.230 |
| 55 | 56 | 24.751 | 26.339 | 1.588 |
| 55 | 57 | 24.683 | 26.612 | 1.929 |
| 55 | 58 | 25.214 | 26.401 | 1.187 |
| 55 | 59 | 26.375 | 26.467 | 0.092 |
| 100 | 60 | 23.846 | 26.417 | 2.571 |
| 100 | 61 | 23.276 | 25.568 | 2.292 |
| 100 | 62 | 23.533 | 25.881 | 2.348 |
| 100 | 63 | 24.381 | 27.480 | 3.099 |
| 100 | 64 | 23.832 | 26.597 | 2.765 |
| 105 | 65 | 24.636 | 26.410 | 1.774 |
| 105 | 66 | 25.423 | 26.153 | 0.730 |
| 105 | 67 | 23.156 | 26.352 | 3.196 |
| 105 | 68 | 22.982 | 26.247 | 3.265 |
| 105 | 69 | 24.051 | 25.973 | 1.922 |
| | Max | 27.122 | 27.480 | 3.265 |
| | Average | 25.384 | 26.318 | 0.935 |
| | Min | 22.982 | 25.391 | -0.608 |
| | Std Dev | 0.973 | 0.500 | 0.981 |




| | 19.15_tsr_EN4_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.883 | 26.028 | 25.392 | 26.348 | 26.036 | 25.565 | 25.668 | 25.391 | 26.175 | 25.568 | 25.973 |
| Average | 26.248 | 26.543 | 25.965 | 26.591 | 26.423 | 26.641 | 26.080 | 25.968 | 26.399 | 26.389 | 26.227 |
| Max | 26.746 | 27.000 | 26.516 | 26.935 | 27.068 | 27.370 | 26.352 | 26.806 | 26.612 | 27.480 | 26.410 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

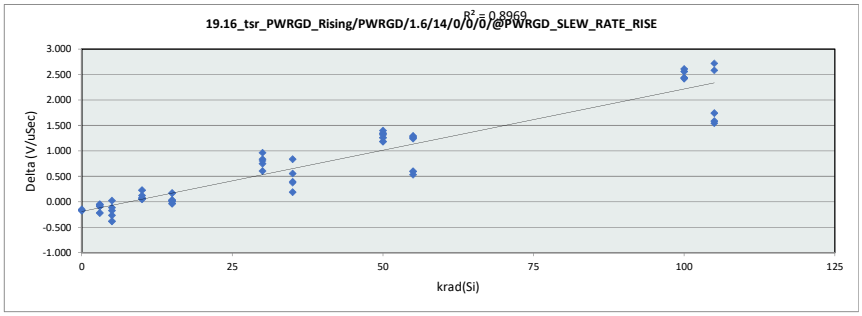


# TID HDR Report
# TPS7H3014-SP

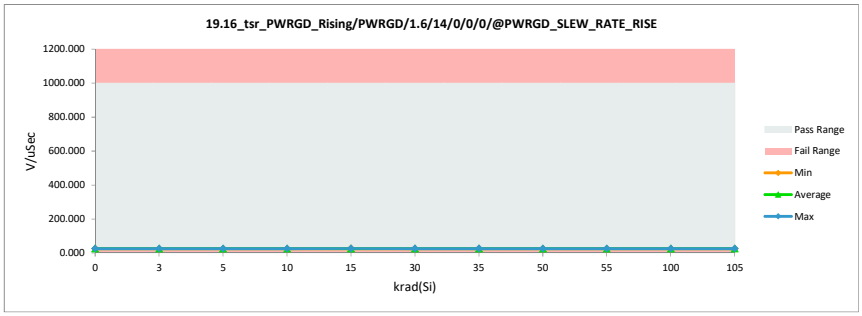
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.16_tsr_PWRGD_Rising | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 25.707 | 25.526 | -0.181 |
| 0 | 14 | 25.396 | 25.245 | -0.151 |
| 0 | 15 | 25.498 | 25.327 | -0.171 |
| 3 | 20 | 25.746 | 25.656 | -0.090 |
| 3 | 21 | 25.861 | 25.807 | -0.054 |
| 3 | 22 | 25.259 | 25.164 | -0.095 |
| 3 | 23 | 25.208 | 24.987 | -0.221 |
| 3 | 24 | 25.474 | 25.412 | -0.062 |
| 5 | 25 | 24.986 | 24.868 | -0.118 |
| 5 | 26 | 24.894 | 24.914 | 0.020 |
| 5 | 27 | 25.450 | 25.182 | -0.268 |
| 5 | 28 | 25.985 | 25.598 | -0.387 |
| 5 | 29 | 25.157 | 24.979 | -0.178 |
| 10 | 30 | 25.013 | 25.060 | 0.047 |
| 10 | 31 | 25.465 | 25.586 | 0.121 |
| 10 | 32 | 25.339 | 25.564 | 0.225 |
| 10 | 33 | 25.255 | 25.313 | 0.058 |
| 10 | 34 | 25.364 | 25.440 | 0.076 |
| 15 | 35 | 25.400 | 25.430 | 0.030 |
| 15 | 36 | 25.378 | 25.543 | 0.165 |
| 15 | 37 | 25.170 | 25.196 | 0.026 |
| 15 | 38 | 25.808 | 25.808 | 0.000 |
| 15 | 39 | 25.679 | 25.640 | -0.039 |
| 30 | 40 | 25.070 | 25.673 | 0.603 |
| 30 | 41 | 24.129 | 25.089 | 0.960 |
| 30 | 42 | 24.734 | 25.568 | 0.834 |
| 30 | 43 | 24.820 | 25.566 | 0.746 |
| 30 | 44 | 24.322 | 25.124 | 0.802 |
| 35 | 45 | 24.595 | 25.146 | 0.551 |
| 35 | 46 | 24.166 | 25.000 | 0.834 |
| 35 | 47 | 25.185 | 25.371 | 0.186 |
| 35 | 48 | 25.019 | 25.412 | 0.393 |
| 35 | 49 | 24.713 | 25.085 | 0.372 |
| 50 | 50 | 23.723 | 24.903 | 1.180 |
| 50 | 51 | 23.727 | 25.072 | 1.345 |
| 50 | 52 | 24.118 | 25.375 | 1.257 |
| 50 | 53 | 23.647 | 25.042 | 1.395 |
| 50 | 54 | 24.021 | 25.335 | 1.314 |
| 55 | 55 | 23.711 | 24.980 | 1.269 |
| 55 | 56 | 24.105 | 25.395 | 1.290 |
| 55 | 57 | 23.821 | 25.061 | 1.240 |
| 55 | 58 | 24.224 | 24.754 | 0.530 |
| 55 | 59 | 25.093 | 25.689 | 0.596 |
| 100 | 60 | 22.805 | 25.233 | 2.428 |
| 100 | 61 | 22.351 | 24.787 | 2.436 |
| 100 | 62 | 23.065 | 25.670 | 2.605 |
| 100 | 63 | 23.119 | 25.677 | 2.558 |
| 100 | 64 | 22.830 | 25.248 | 2.418 |
| 105 | 65 | 23.825 | 25.565 | 1.740 |
| 105 | 66 | 24.113 | 25.654 | 1.541 |
| 105 | 67 | 22.197 | 24.914 | 2.717 |
| 105 | 68 | 22.470 | 25.051 | 2.581 |
| 105 | 69 | 23.273 | 24.854 | 1.581 |
| | Max | 25.985 | 25.808 | 2.717 |
| | Average | 24.556 | 25.293 | 0.737 |
| | Min | 22.197 | 24.754 | -0.387 |
| | Std Dev | 1.001 | 0.290 | 0.911 |




| | 19.16_tsr_PWRGD_Rising | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 25.245 | 24.987 | 24.868 | 25.060 | 25.196 | 25.089 | 25.000 | 24.903 | 24.754 | 24.787 | 24.854 |
| Average | 25.366 | 25.405 | 25.108 | 25.393 | 25.523 | 25.404 | 25.203 | 25.145 | 25.176 | 25.323 | 25.208 |
| Max | 25.526 | 25.807 | 25.598 | 25.586 | 25.808 | 25.673 | 25.412 | 25.375 | 25.689 | 25.677 | 25.654 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

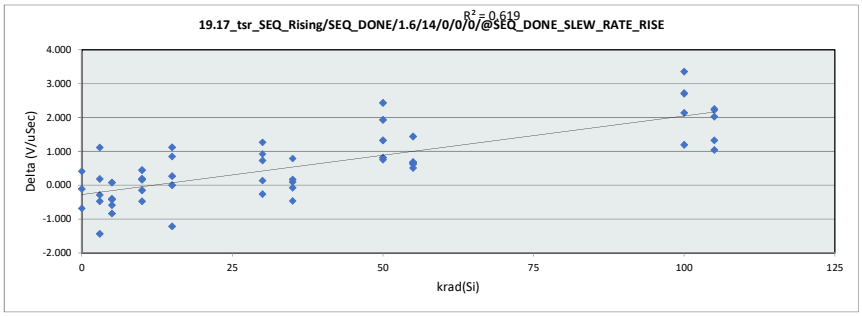


# TID HDR Report
# TPS7H3014-SP

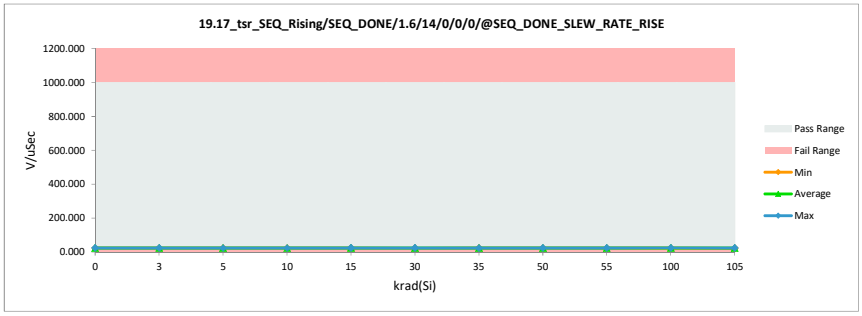
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.17_tsr_SEQ_Rising/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.944 | 24.349 | 0.405 |
| 0 | 14 | 23.982 | 23.867 | -0.115 |
| 0 | 15 | 24.494 | 23.804 | -0.690 |
| 3 | 20 | 25.121 | 23.681 | -1.440 |
| 3 | 21 | 24.872 | 24.579 | -0.293 |
| 3 | 22 | 24.384 | 23.906 | -0.478 |
| 3 | 23 | 23.708 | 23.886 | 0.178 |
| 3 | 24 | 23.434 | 24.543 | 1.109 |
| 5 | 25 | 23.568 | 23.162 | -0.406 |
| 5 | 26 | 23.868 | 23.937 | 0.069 |
| 5 | 27 | 24.419 | 23.577 | -0.842 |
| 5 | 28 | 24.066 | 23.476 | -0.590 |
| 5 | 29 | 23.692 | 23.264 | -0.428 |
| 10 | 30 | 23.635 | 24.073 | 0.438 |
| 10 | 31 | 23.877 | 24.029 | 0.152 |
| 10 | 32 | 23.901 | 24.090 | 0.189 |
| 10 | 33 | 23.423 | 23.267 | -0.156 |
| 10 | 34 | 24.055 | 23.575 | -0.480 |
| 15 | 35 | 23.666 | 23.926 | 0.260 |
| 15 | 36 | 23.528 | 24.638 | 1.110 |
| 15 | 37 | 24.143 | 24.142 | -0.001 |
| 15 | 38 | 23.877 | 24.720 | 0.843 |
| 15 | 39 | 24.905 | 23.683 | -1.222 |
| 30 | 40 | 24.126 | 24.257 | 0.131 |
| 30 | 41 | 23.200 | 22.932 | -0.268 |
| 30 | 42 | 23.378 | 24.100 | 0.722 |
| 30 | 43 | 22.930 | 23.847 | 0.917 |
| 30 | 44 | 23.130 | 24.387 | 1.257 |
| 35 | 45 | 23.599 | 23.689 | 0.090 |
| 35 | 46 | 23.001 | 23.783 | 0.782 |
| 35 | 47 | 23.397 | 23.314 | -0.083 |
| 35 | 48 | 23.585 | 23.749 | 0.164 |
| 35 | 49 | 23.719 | 23.247 | -0.472 |
| 50 | 50 | 21.405 | 23.827 | 2.422 |
| 50 | 51 | 21.883 | 23.199 | 1.316 |
| 50 | 52 | 23.011 | 23.760 | 0.749 |
| 50 | 53 | 22.854 | 23.661 | 0.807 |
| 50 | 54 | 22.929 | 24.852 | 1.923 |
| 55 | 55 | 21.970 | 23.403 | 1.433 |
| 55 | 56 | 23.314 | 23.933 | 0.619 |
| 55 | 57 | 22.757 | 23.433 | 0.676 |
| 55 | 58 | 23.073 | 23.574 | 0.501 |
| 55 | 59 | 23.528 | 24.183 | 0.655 |
| 100 | 60 | 20.668 | 24.014 | 3.346 |
| 100 | 61 | 22.101 | 24.231 | 2.130 |
| 100 | 62 | 22.020 | 24.731 | 2.711 |
| 100 | 63 | 22.273 | 24.967 | 2.694 |
| 100 | 64 | 22.185 | 23.373 | 1.188 |
| 105 | 65 | 22.596 | 24.806 | 2.210 |
| 105 | 66 | 23.301 | 24.619 | 1.318 |
| 105 | 67 | 21.055 | 23.071 | 2.016 |
| 105 | 68 | 21.900 | 24.146 | 2.246 |
| 105 | 69 | 22.319 | 23.351 | 1.032 |
| | Max | 25.121 | 24.967 | 3.346 |
| | Average | 23.279 | 23.898 | 0.620 |
| | Min | 20.668 | 22.932 | -1.440 |
| | Std Dev | 0.953 | 0.504 | 1.055 |




| | 19.17_tsr_SEQ_Rising/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 23.804 | 23.681 | 23.162 | 23.267 | 23.683 | 22.932 | 23.247 | 23.199 | 23.403 | 23.373 | 23.071 |
| Average | 24.007 | 24.119 | 23.483 | 23.807 | 24.222 | 23.905 | 23.556 | 23.860 | 23.705 | 24.263 | 23.999 |
| Max | 24.349 | 24.579 | 23.937 | 24.090 | 24.720 | 24.387 | 23.783 | 24.852 | 24.183 | 24.967 | 24.806 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

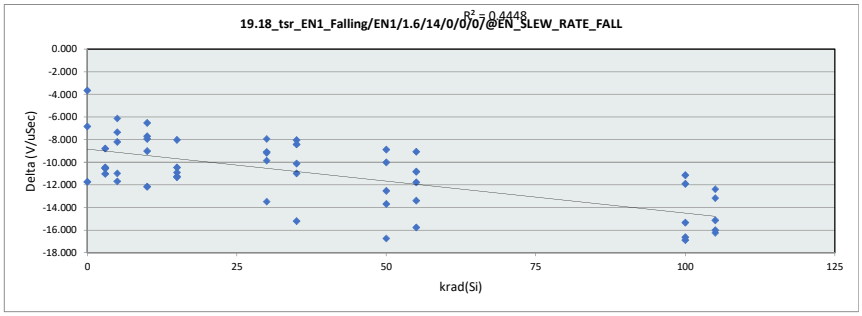


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

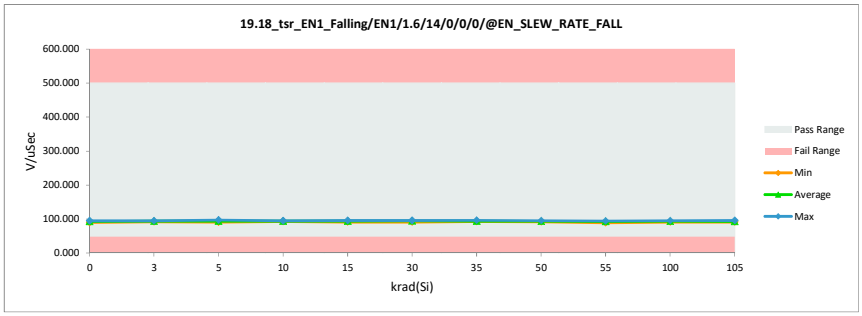
| | 19.18_tsr_EN1_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 101.219 | 89.464 | -11.755 |
| 0 | 14 | 99.957 | 93.106 | -6.851 |
| 0 | 15 | 98.044 | 94.369 | -3.675 |
| 3 | 20 | 104.780 | 94.298 | -10.482 |
| 3 | 21 | 101.652 | 92.837 | -8.815 |
| 3 | 22 | 104.052 | 93.491 | -10.561 |
| 3 | 23 | 102.266 | 91.710 | -10.556 |
| 3 | 24 | 105.322 | 94.278 | -11.044 |
| 5 | 25 | 102.301 | 90.587 | -11.714 |
| 5 | 26 | 102.044 | 94.676 | -7.368 |
| 5 | 27 | 102.933 | 96.782 | -6.151 |
| 5 | 28 | 102.784 | 94.556 | -8.228 |
| 5 | 29 | 102.181 | 91.170 | -11.011 |
| 10 | 30 | 101.621 | 92.587 | -9.034 |
| 10 | 31 | 101.678 | 93.724 | -7.954 |
| 10 | 32 | 102.346 | 94.631 | -7.715 |
| 10 | 33 | 100.621 | 94.076 | -6.545 |
| 10 | 34 | 105.607 | 93.425 | -12.182 |
| 15 | 35 | 103.069 | 91.723 | -11.346 |
| 15 | 36 | 106.116 | 95.631 | -10.485 |
| 15 | 37 | 103.476 | 95.437 | -8.039 |
| 15 | 38 | 105.172 | 94.249 | -10.923 |
| 15 | 39 | 102.187 | 90.916 | -11.271 |
| 30 | 40 | 103.341 | 94.143 | -9.198 |
| 30 | 41 | 103.462 | 94.360 | -9.102 |
| 30 | 42 | 104.950 | 95.066 | -9.884 |
| 30 | 43 | 103.495 | 95.539 | -7.956 |
| 30 | 44 | 104.671 | 91.160 | -13.511 |
| 35 | 45 | 103.983 | 92.982 | -11.001 |
| 35 | 46 | 109.098 | 93.876 | -15.222 |
| 35 | 47 | 100.927 | 92.872 | -8.055 |
| 35 | 48 | 100.502 | 92.061 | -8.441 |
| 35 | 49 | 106.331 | 96.198 | -10.133 |
| 50 | 50 | 102.920 | 94.015 | -8.905 |
| 50 | 51 | 104.309 | 91.758 | -12.551 |
| 50 | 52 | 102.720 | 92.687 | -10.033 |
| 50 | 53 | 108.946 | 92.189 | -16.757 |
| 50 | 54 | 108.717 | 94.999 | -13.718 |
| 55 | 55 | 106.614 | 93.200 | -13.414 |
| 55 | 56 | 105.135 | 93.341 | -11.794 |
| 55 | 57 | 105.068 | 94.215 | -10.853 |
| 55 | 58 | 101.487 | 92.403 | -9.084 |
| 55 | 59 | 104.623 | 88.835 | -15.788 |
| 100 | 60 | 108.461 | 91.562 | -16.899 |
| 100 | 61 | 110.153 | 93.500 | -16.653 |
| 100 | 62 | 106.401 | 95.232 | -11.169 |
| 100 | 63 | 104.853 | 92.918 | -11.935 |
| 100 | 64 | 106.607 | 91.253 | -15.354 |
| 105 | 65 | 107.782 | 91.752 | -16.030 |
| 105 | 66 | 108.041 | 92.886 | -15.155 |
| 105 | 67 | 107.572 | 91.297 | -16.275 |
| 105 | 68 | 107.987 | 95.589 | -12.398 |
| 105 | 69 | 105.248 | 92.055 | -13.193 |
| | Max | 110.153 | 96.782 | -3.675 |
| | Average | 104.261 | 93.239 | -11.022 |
| | Min | 98.044 | 88.835 | -16.899 |
| | Std Dev | 2.669 | 1.691 | 3.034 |




| | 19.18_tsr_EN1_Falling/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 89.464 | 91.710 | 90.587 | 92.587 | 90.916 | 91.160 | 92.061 | 91.758 | 88.835 | 91.253 | 91.297 |
| Average | 92.313 | 93.323 | 93.554 | 93.689 | 93.591 | 94.054 | 93.598 | 93.130 | 92.399 | 92.893 | 92.716 |
| Max | 94.369 | 94.298 | 96.782 | 94.631 | 95.631 | 95.539 | 96.198 | 94.999 | 94.215 | 95.232 | 95.589 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

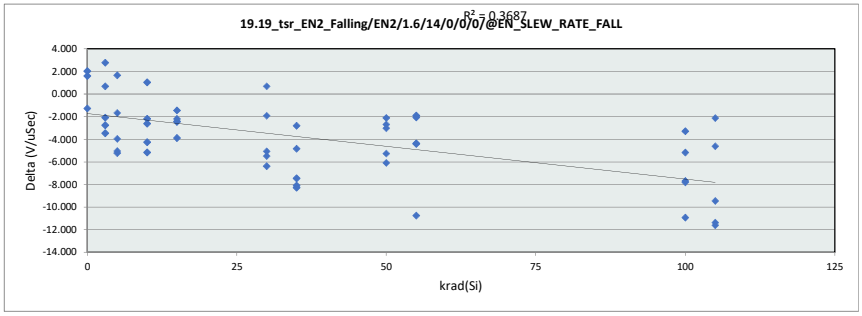


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

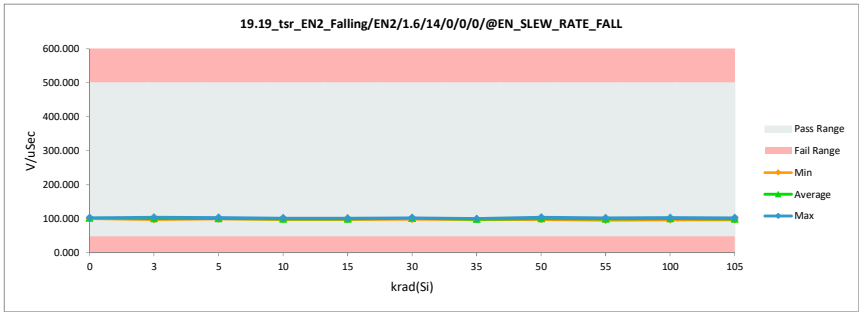
| | 19.19_tsr_EN2_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 100.023 | 102.019 | 1.996 |
| 0 | 14 | 101.078 | 99.788 | -1.290 |
| 0 | 15 | 101.402 | 102.970 | 1.568 |
| 3 | 20 | 102.590 | 99.104 | -3.486 |
| 3 | 21 | 100.313 | 97.527 | -2.786 |
| 3 | 22 | 101.419 | 104.167 | 2.748 |
| 3 | 23 | 99.306 | 99.964 | 0.658 |
| 3 | 24 | 102.816 | 100.713 | -2.103 |
| 5 | 25 | 100.569 | 98.871 | -1.698 |
| 5 | 26 | 105.088 | 101.094 | -3.994 |
| 5 | 27 | 103.875 | 98.813 | -5.062 |
| 5 | 28 | 101.772 | 103.401 | 1.629 |
| 5 | 29 | 104.176 | 98.933 | -5.243 |
| 10 | 30 | 100.682 | 101.701 | 1.019 |
| 10 | 31 | 101.835 | 99.629 | -2.206 |
| 10 | 32 | 102.694 | 100.056 | -2.638 |
| 10 | 33 | 102.749 | 97.563 | -5.186 |
| 10 | 34 | 101.912 | 97.630 | -4.282 |
| 15 | 35 | 101.778 | 99.551 | -2.227 |
| 15 | 36 | 103.928 | 101.445 | -2.483 |
| 15 | 37 | 99.183 | 97.714 | -1.469 |
| 15 | 38 | 101.470 | 97.549 | -3.921 |
| 15 | 39 | 103.287 | 100.851 | -2.436 |
| 30 | 40 | 105.976 | 100.887 | -5.089 |
| 30 | 41 | 99.806 | 97.861 | -1.945 |
| 30 | 42 | 105.098 | 99.594 | -5.504 |
| 30 | 43 | 102.312 | 102.976 | 0.664 |
| 30 | 44 | 108.126 | 101.718 | -6.408 |
| 35 | 45 | 104.726 | 97.253 | -7.473 |
| 35 | 46 | 107.840 | 99.724 | -8.116 |
| 35 | 47 | 104.854 | 99.999 | -4.855 |
| 35 | 48 | 105.799 | 97.492 | -8.307 |
| 35 | 49 | 101.000 | 98.172 | -2.828 |
| 50 | 50 | 102.054 | 96.772 | -5.282 |
| 50 | 51 | 105.765 | 103.636 | -2.129 |
| 50 | 52 | 104.331 | 101.625 | -2.706 |
| 50 | 53 | 102.432 | 99.384 | -3.048 |
| 50 | 54 | 105.424 | 99.318 | -6.106 |
| 55 | 55 | 102.796 | 100.869 | -1.927 |
| 55 | 56 | 106.363 | 95.594 | -10.769 |
| 55 | 57 | 104.865 | 100.439 | -4.426 |
| 55 | 58 | 102.188 | 97.796 | -4.392 |
| 55 | 59 | 104.300 | 102.212 | -2.088 |
| 100 | 60 | 111.001 | 103.286 | -7.715 |
| 100 | 61 | 103.571 | 98.382 | -5.189 |
| 100 | 62 | 106.940 | 95.983 | -10.957 |
| 100 | 63 | 106.615 | 103.306 | -3.309 |
| 100 | 64 | 107.905 | 100.076 | -7.829 |
| 105 | 65 | 107.580 | 102.936 | -4.644 |
| 105 | 66 | 107.982 | 96.596 | -11.386 |
| 105 | 67 | 109.043 | 97.412 | -11.631 |
| 105 | 68 | 108.184 | 98.699 | -9.485 |
| 105 | 69 | 104.216 | 102.069 | -2.147 |
| | Max | 111.001 | 104.167 | 2.748 |
| | Average | 103.831 | 99.870 | -3.961 |
| | Min | 99.183 | 95.594 | -11.631 |
| | Std Dev | 2.762 | 2.181 | 3.423 |




| | 19.19_tsr_EN2_Falling/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 99.788 | 97.527 | 98.813 | 97.563 | 97.549 | 97.861 | 97.253 | 96.772 | 95.594 | 95.983 | 96.596 |
| Average | 101.592 | 100.295 | 100.222 | 99.316 | 99.422 | 100.607 | 98.528 | #### | 99.382 | #### | 99.542 |
| Max | 102.970 | 104.167 | 103.401 | 101.701 | #### | 102.976 | 99.999 | #### | 102.212 | #### | 102.936 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

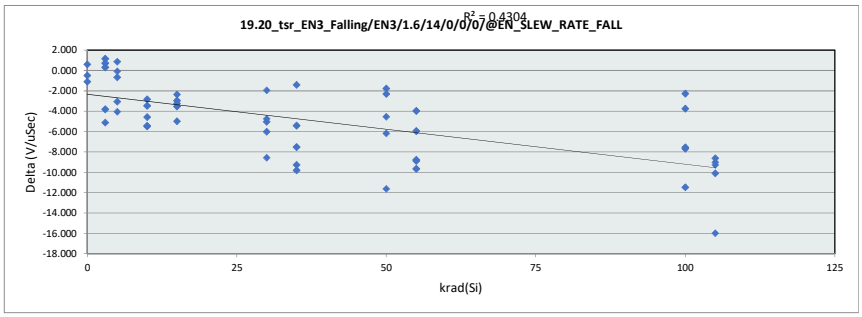


# TID HDR Report
# TPS7H3014-SP

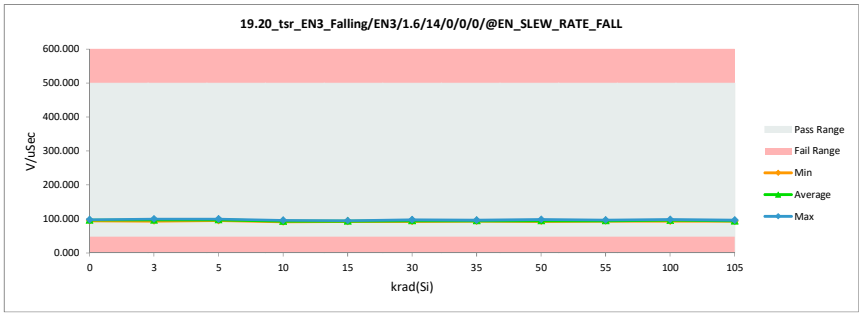
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.20_tsr_EN3_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.550 | 97.419 | -1.131 |
| 0 | 14 | 97.311 | 97.881 | 0.570 |
| 0 | 15 | 95.453 | 94.928 | -0.525 |
| 3 | 20 | 96.564 | 97.701 | 1.137 |
| 3 | 21 | 101.262 | 96.117 | -5.145 |
| 3 | 22 | 99.260 | 99.536 | 0.276 |
| 3 | 23 | 97.476 | 93.642 | -3.834 |
| 3 | 24 | 97.278 | 97.962 | 0.684 |
| 5 | 25 | 98.705 | 98.008 | -0.697 |
| 5 | 26 | 98.787 | 99.621 | 0.834 |
| 5 | 27 | 99.517 | 95.436 | -4.081 |
| 5 | 28 | 100.553 | 97.468 | -3.085 |
| 5 | 29 | 97.451 | 97.345 | -0.106 |
| 10 | 30 | 96.791 | 93.303 | -3.488 |
| 10 | 31 | 96.959 | 91.442 | -5.517 |
| 10 | 32 | 98.465 | 93.864 | -4.601 |
| 10 | 33 | 96.060 | 93.204 | -2.856 |
| 10 | 34 | 101.307 | 95.848 | -5.459 |
| 15 | 35 | 95.356 | 92.369 | -2.987 |
| 15 | 36 | 98.198 | 94.925 | -3.273 |
| 15 | 37 | 95.527 | 93.137 | -2.390 |
| 15 | 38 | 99.481 | 94.471 | -5.010 |
| 15 | 39 | 98.452 | 94.892 | -3.560 |
| 30 | 40 | 101.512 | 96.449 | -5.063 |
| 30 | 41 | 101.288 | 92.685 | -8.603 |
| 30 | 42 | 99.530 | 94.758 | -4.772 |
| 30 | 43 | 99.173 | 97.193 | -1.980 |
| 30 | 44 | 99.352 | 93.300 | -6.052 |
| 35 | 45 | 96.266 | 94.836 | -1.430 |
| 35 | 46 | 101.902 | 96.468 | -5.434 |
| 35 | 47 | 102.720 | 93.418 | -9.302 |
| 35 | 48 | 103.263 | 95.718 | -7.545 |
| 35 | 49 | 103.047 | 93.213 | -9.834 |
| 50 | 50 | 99.035 | 92.819 | -6.216 |
| 50 | 51 | 99.958 | 97.630 | -2.328 |
| 50 | 52 | 97.905 | 93.329 | -4.576 |
| 50 | 53 | 99.875 | 98.076 | -1.799 |
| 50 | 54 | 105.017 | 93.364 | -11.653 |
| 55 | 55 | 104.442 | 95.534 | -8.908 |
| 55 | 56 | 102.720 | 93.925 | -8.795 |
| 55 | 57 | 103.524 | 93.829 | -9.695 |
| 55 | 58 | 98.633 | 94.630 | -4.003 |
| 55 | 59 | 102.635 | 96.661 | -5.974 |
| 100 | 60 | 105.905 | 98.323 | -7.582 |
| 100 | 61 | 100.306 | 96.537 | -3.769 |
| 100 | 62 | 101.061 | 93.353 | -7.708 |
| 100 | 63 | 104.822 | 93.319 | -11.503 |
| 100 | 64 | 98.865 | 96.561 | -2.304 |
| 105 | 65 | 102.539 | 93.502 | -9.037 |
| 105 | 66 | 102.161 | 93.510 | -8.651 |
| 105 | 67 | 105.451 | 96.153 | -9.298 |
| 105 | 68 | 110.190 | 94.171 | -16.019 |
| 105 | 69 | 105.574 | 95.445 | -10.129 |
| | Max | 110.190 | 99.621 | 1.137 |
| | Average | 100.253 | 95.268 | -4.985 |
| | Min | 95.356 | 91.442 | -16.019 |
| | Std Dev | 3.152 | 1.999 | 3.752 |




| | 19.20_tsr_EN3_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 94.928 | 93.642 | 95.436 | 91.442 | 92.369 | 92.685 | 93.213 | 92.819 | 93.829 | 93.319 | 93.502 |
| Average | 96.743 | 96.992 | 97.576 | 93.532 | 93.959 | 94.877 | 94.731 | 95.044 | 94.916 | 95.619 | 94.556 |
| Max | 97.881 | 99.536 | 99.621 | 95.848 | 94.925 | 97.193 | 96.468 | 98.076 | 96.661 | 98.323 | 96.153 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

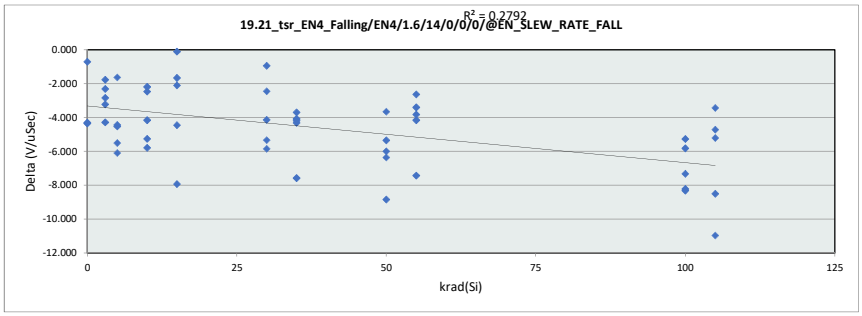


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

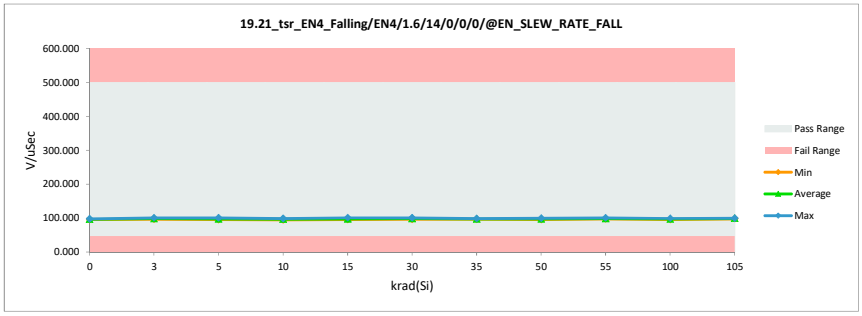
| | 19.21_tsr_EN4_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 98.450 | 97.736 | -0.714 |
| 0 | 14 | 99.587 | 95.282 | -4.305 |
| 0 | 15 | 100.603 | 96.258 | -4.345 |
| 3 | 20 | 99.919 | 97.601 | -2.318 |
| 3 | 21 | 102.492 | 99.264 | -3.228 |
| 3 | 22 | 102.566 | 100.795 | -1.771 |
| 3 | 23 | 101.120 | 96.831 | -4.289 |
| 3 | 24 | 99.718 | 96.872 | -2.846 |
| 5 | 25 | 102.588 | 98.056 | -4.532 |
| 5 | 26 | 102.973 | 97.469 | -5.504 |
| 5 | 27 | 103.776 | 97.682 | -6.094 |
| 5 | 28 | 102.649 | 101.008 | -1.641 |
| 5 | 29 | 99.996 | 95.545 | -4.451 |
| 10 | 30 | 101.439 | 98.972 | -2.467 |
| 10 | 31 | 100.632 | 94.844 | -5.788 |
| 10 | 32 | 101.400 | 97.240 | -4.160 |
| 10 | 33 | 98.643 | 96.448 | -2.195 |
| 10 | 34 | 102.475 | 97.210 | -5.265 |
| 15 | 35 | 97.266 | 97.150 | -0.116 |
| 15 | 36 | 99.695 | 97.583 | -2.112 |
| 15 | 37 | 100.195 | 95.740 | -4.455 |
| 15 | 38 | 104.400 | 96.466 | -7.934 |
| 15 | 39 | 102.994 | 101.325 | -1.669 |
| 30 | 40 | 104.853 | 100.711 | -4.142 |
| 30 | 41 | 101.592 | 96.252 | -5.340 |
| 30 | 42 | 100.680 | 99.732 | -0.948 |
| 30 | 43 | 102.093 | 99.642 | -2.451 |
| 30 | 44 | 102.170 | 96.315 | -5.855 |
| 35 | 45 | 102.664 | 98.960 | -3.704 |
| 35 | 46 | 101.563 | 97.481 | -4.082 |
| 35 | 47 | 101.413 | 97.098 | -4.315 |
| 35 | 48 | 104.447 | 96.863 | -7.584 |
| 35 | 49 | 100.689 | 96.500 | -4.189 |
| 50 | 50 | 104.728 | 99.375 | -5.353 |
| 50 | 51 | 103.547 | 97.545 | -6.002 |
| 50 | 52 | 101.842 | 95.481 | -6.361 |
| 50 | 53 | 105.256 | 96.406 | -8.850 |
| 50 | 54 | 103.366 | 99.703 | -3.663 |
| 55 | 55 | 101.271 | 97.865 | -3.406 |
| 55 | 56 | 105.550 | 98.114 | -7.436 |
| 55 | 57 | 103.439 | 100.800 | -2.639 |
| 55 | 58 | 101.940 | 97.780 | -4.160 |
| 55 | 59 | 101.590 | 97.762 | -3.828 |
| 100 | 60 | 105.356 | 99.537 | -5.819 |
| 100 | 61 | 102.607 | 97.332 | -5.275 |
| 100 | 62 | 105.226 | 96.909 | -8.317 |
| 100 | 63 | 105.145 | 96.930 | -8.215 |
| 100 | 64 | 102.682 | 95.357 | -7.325 |
| 105 | 65 | 103.108 | 99.674 | -3.434 |
| 105 | 66 | 104.772 | 99.556 | -5.216 |
| 105 | 67 | 109.112 | 98.145 | -10.967 |
| 105 | 68 | 107.730 | 99.229 | -8.501 |
| 105 | 69 | 103.673 | 98.948 | -4.725 |
| | Max | 109.112 | 101.325 | -0.116 |
| | Average | 102.447 | 97.837 | -4.609 |
| | Min | 97.266 | 94.844 | -10.967 |
| | Std Dev | 2.259 | 1.622 | 2.265 |




| | 19.21_tsr_EN4_Falling/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 95.282 | 96.831 | 95.545 | 94.844 | 95.740 | 96.252 | 96.500 | 95.481 | 97.762 | 95.357 | 98.145 |
| Average | 96.425 | 98.273 | 97.952 | 96.943 | 97.653 | 98.530 | 97.380 | 97.702 | 98.464 | 97.213 | 99.110 |
| Max | 97.736 | 100.795 | 101.008 | 98.972 | #### | 100.711 | 98.960 | 99.703 | 100.800 | 99.537 | 99.674 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

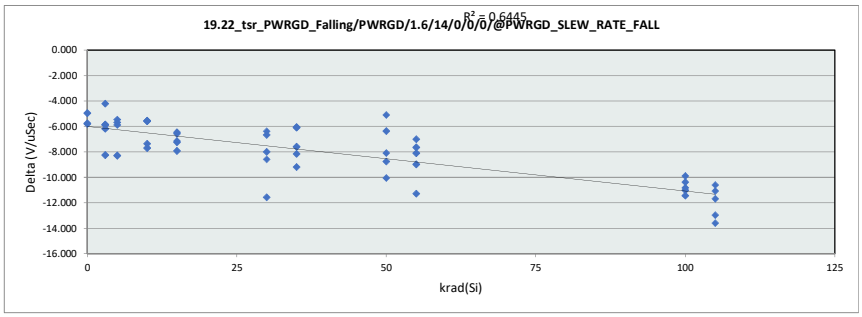


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

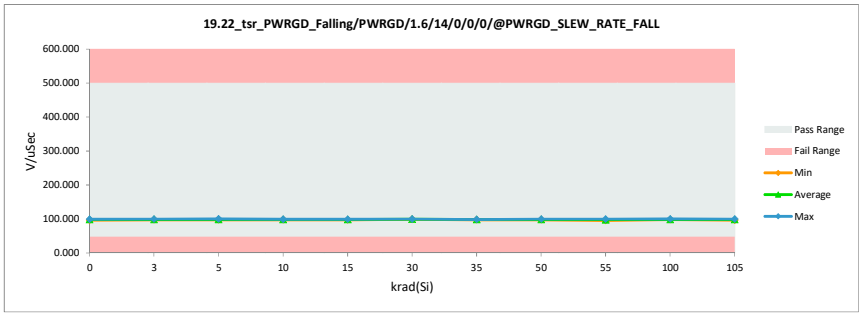
| | 19.22_tsr_PWRGD_Falling | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 104.016 | 98.205 | -5.811 |
| 0 | 14 | 102.398 | 96.641 | -5.757 |
| 0 | 15 | 104.281 | 99.323 | -4.958 |
| 3 | 20 | 103.568 | 99.352 | -4.216 |
| 3 | 21 | 105.978 | 97.713 | -8.265 |
| 3 | 22 | 105.188 | 99.331 | -5.857 |
| 3 | 23 | 104.210 | 98.016 | -6.194 |
| 3 | 24 | 104.059 | 98.169 | -5.890 |
| 5 | 25 | 105.870 | 97.551 | -8.319 |
| 5 | 26 | 106.687 | 98.399 | -8.288 |
| 5 | 27 | 103.376 | 97.484 | -5.892 |
| 5 | 28 | 104.376 | 98.898 | -5.478 |
| 5 | 29 | 105.644 | 99.949 | -5.695 |
| 10 | 30 | 106.631 | 98.916 | -7.715 |
| 10 | 31 | 103.298 | 97.721 | -5.577 |
| 10 | 32 | 105.534 | 98.159 | -7.375 |
| 10 | 33 | 103.384 | 97.838 | -5.546 |
| 10 | 34 | 104.036 | 98.437 | -5.599 |
| 15 | 35 | 104.780 | 97.518 | -7.262 |
| 15 | 36 | 105.228 | 97.298 | -7.930 |
| 15 | 37 | 103.530 | 97.065 | -6.465 |
| 15 | 38 | 105.793 | 98.639 | -7.154 |
| 15 | 39 | 105.915 | 99.335 | -6.580 |
| 30 | 40 | 110.249 | 98.670 | -11.579 |
| 30 | 41 | 107.119 | 99.110 | -8.009 |
| 30 | 42 | 105.972 | 99.590 | -6.382 |
| 30 | 43 | 105.400 | 98.726 | -6.674 |
| 30 | 44 | 107.570 | 98.972 | -8.598 |
| 35 | 45 | 105.597 | 97.431 | -8.166 |
| 35 | 46 | 106.728 | 97.526 | -9.202 |
| 35 | 47 | 104.423 | 98.367 | -6.056 |
| 35 | 48 | 106.013 | 98.411 | -7.602 |
| 35 | 49 | 104.045 | 97.941 | -6.104 |
| 50 | 50 | 107.491 | 97.422 | -10.069 |
| 50 | 51 | 105.516 | 99.139 | -6.377 |
| 50 | 52 | 104.269 | 99.159 | -5.110 |
| 50 | 53 | 106.904 | 98.803 | -8.101 |
| 50 | 54 | 108.217 | 99.450 | -8.767 |
| 55 | 55 | 107.272 | 98.287 | -8.985 |
| 55 | 56 | 106.616 | 95.317 | -11.299 |
| 55 | 57 | 106.701 | 99.685 | -7.016 |
| 55 | 58 | 106.042 | 97.929 | -8.113 |
| 55 | 59 | 105.356 | 97.701 | -7.655 |
| 100 | 60 | 111.168 | 100.139 | -11.029 |
| 100 | 61 | 108.768 | 97.936 | -10.832 |
| 100 | 62 | 108.363 | 98.459 | -9.904 |
| 100 | 63 | 109.938 | 98.490 | -11.448 |
| 100 | 64 | 108.453 | 98.064 | -10.389 |
| 105 | 65 | 108.451 | 97.370 | -11.081 |
| 105 | 66 | 109.992 | 99.384 | -10.608 |
| 105 | 67 | 110.109 | 97.122 | -12.987 |
| 105 | 68 | 112.566 | 98.955 | -13.611 |
| 105 | 69 | 108.525 | 96.824 | -11.701 |
| | Max | 112.566 | 100.139 | -4.216 |
| | Average | 106.257 | 98.308 | -7.949 |
| | Min | 102.398 | 95.317 | -13.611 |
| | Std Dev | 2.236 | 0.934 | 2.261 |




| | 19.22_tsr_PWRGD_Fallin | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 96.641 | 97.713 | 97.484 | 97.721 | 97.065 | 98.670 | 97.431 | 97.422 | 95.317 | 97.936 | 96.824 |
| Average | 98.056 | 98.516 | 98.456 | 98.214 | 97.971 | 99.014 | 97.935 | 98.795 | 97.784 | 98.618 | 97.931 |
| Max | 99.323 | 99.352 | 99.949 | 98.916 | 99.335 | 99.590 | 98.411 | 99.450 | 99.685 | #### | 99.384 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

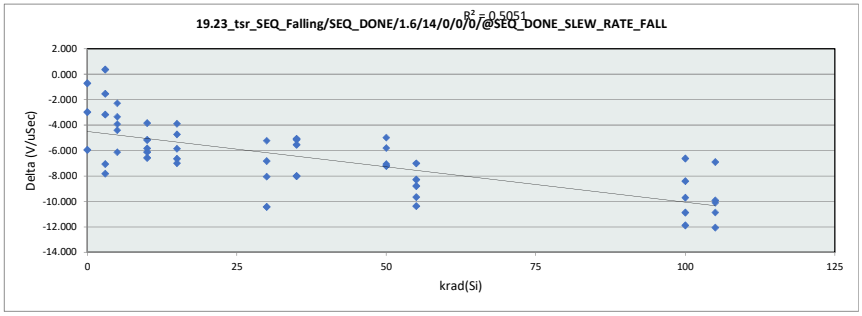


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

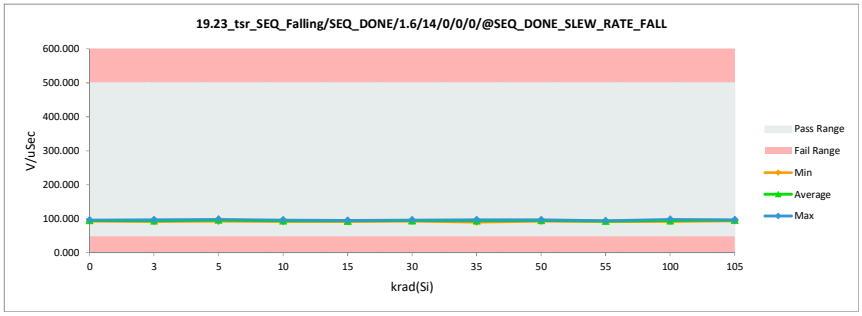
| | 19.23_tsr_SEQ_Falling/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 97.941 | 91.987 | -5.954 |
| 0 | 14 | 96.143 | 95.411 | -0.732 |
| 0 | 15 | 99.201 | 96.214 | -2.987 |
| 3 | 20 | 98.178 | 91.108 | -7.070 |
| 3 | 21 | 100.052 | 92.221 | -7.831 |
| 3 | 22 | 98.240 | 96.687 | -1.553 |
| 3 | 23 | 95.030 | 95.389 | 0.359 |
| 3 | 24 | 96.830 | 93.645 | -3.185 |
| 5 | 25 | 99.889 | 95.474 | -4.415 |
| 5 | 26 | 101.947 | 98.015 | -3.932 |
| 5 | 27 | 98.520 | 92.377 | -6.143 |
| 5 | 28 | 99.965 | 96.607 | -3.358 |
| 5 | 29 | 99.090 | 96.795 | -2.295 |
| 10 | 30 | 99.887 | 96.029 | -3.858 |
| 10 | 31 | 99.613 | 93.478 | -6.135 |
| 10 | 32 | 98.743 | 92.158 | -6.585 |
| 10 | 33 | 97.248 | 91.403 | -5.845 |
| 10 | 34 | 99.554 | 94.379 | -5.175 |
| 15 | 35 | 98.346 | 91.684 | -6.662 |
| 15 | 36 | 98.333 | 94.433 | -3.900 |
| 15 | 37 | 99.896 | 92.894 | -7.002 |
| 15 | 38 | 98.867 | 94.120 | -4.747 |
| 15 | 39 | 98.536 | 92.668 | -5.868 |
| 30 | 40 | 101.533 | 96.296 | -5.237 |
| 30 | 41 | 101.768 | 94.928 | -6.840 |
| 30 | 42 | 104.511 | 94.072 | -10.439 |
| 30 | 43 | 103.289 | 92.844 | -10.445 |
| 30 | 44 | 101.092 | 93.022 | -8.070 |
| 35 | 45 | 97.902 | 89.893 | -8.009 |
| 35 | 46 | 100.302 | 92.275 | -8.027 |
| 35 | 47 | 98.692 | 93.613 | -5.079 |
| 35 | 48 | 101.933 | 96.375 | -5.558 |
| 35 | 49 | 100.929 | 95.783 | -5.146 |
| 50 | 50 | 101.534 | 95.717 | -5.817 |
| 50 | 51 | 100.772 | 93.706 | -7.066 |
| 50 | 52 | 99.714 | 92.503 | -7.211 |
| 50 | 53 | 100.662 | 95.676 | -4.986 |
| 50 | 54 | 103.571 | 96.348 | -7.223 |
| 55 | 55 | 101.746 | 92.077 | -9.669 |
| 55 | 56 | 101.512 | 91.131 | -10.381 |
| 55 | 57 | 101.713 | 92.919 | -8.794 |
| 55 | 58 | 102.553 | 94.251 | -8.302 |
| 55 | 59 | 99.729 | 92.711 | -7.018 |
| 100 | 60 | 105.732 | 94.847 | -10.885 |
| 100 | 61 | 104.460 | 97.816 | -6.644 |
| 100 | 62 | 105.185 | 93.285 | -11.900 |
| 100 | 63 | 102.502 | 92.789 | -9.713 |
| 100 | 64 | 99.817 | 91.404 | -8.413 |
| 105 | 65 | 103.374 | 93.439 | -9.935 |
| 105 | 66 | 104.786 | 94.666 | -10.120 |
| 105 | 67 | 105.265 | 94.382 | -10.883 |
| 105 | 68 | 108.443 | 96.374 | -12.069 |
| 105 | 69 | 102.892 | 95.981 | -6.911 |
| | Max | 108.443 | 98.015 | 0.359 |
| | Average | 100.716 | 94.081 | -6.635 |
| | Min | 95.030 | 89.893 | -12.069 |
| | Std Dev | 2.654 | 1.913 | 2.802 |




| | 19.23_tsr_SEQ_Falling/S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 91.987 | 91.108 | 92.377 | 91.403 | 91.684 | 92.844 | 89.893 | 92.503 | 91.131 | 91.404 | 93.439 |
| Average | 94.537 | 93.810 | 95.854 | 93.489 | 93.160 | 94.232 | 93.588 | 94.790 | 92.618 | 94.028 | 94.968 |
| Max | 96.214 | 96.687 | 98.015 | 96.029 | 94.433 | 96.296 | 96.375 | 96.348 | 94.251 | 97.816 | 96.374 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

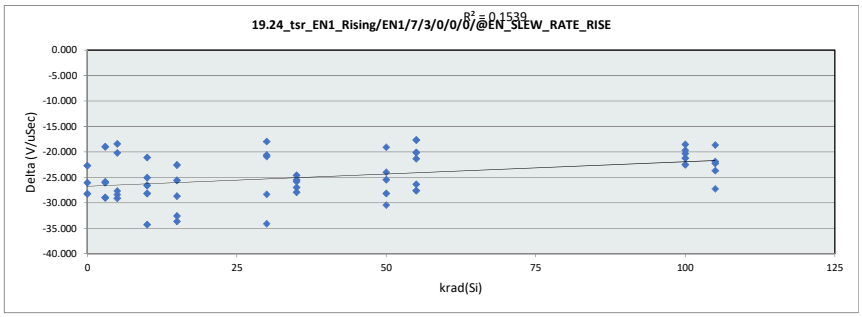


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

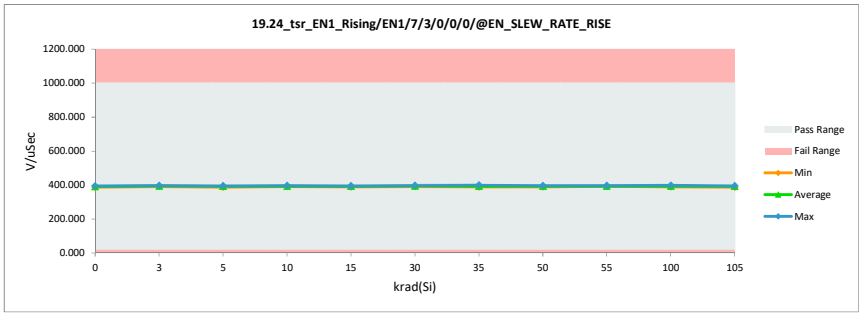
| | 19.24_tsr_EN1_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 420.185 | 394.095 | -26.090 |
| 0 | 14 | 415.277 | 387.013 | -28.264 |
| 0 | 15 | 412.430 | 389.685 | -22.745 |
| 3 | 20 | 422.931 | 396.995 | -25.936 |
| 3 | 21 | 425.481 | 396.490 | -28.991 |
| 3 | 22 | 412.372 | 393.345 | -19.027 |
| 3 | 23 | 417.165 | 391.083 | -26.082 |
| 3 | 24 | 422.641 | 393.595 | -29.046 |
| 5 | 25 | 422.281 | 394.566 | -27.715 |
| 5 | 26 | 415.815 | 386.663 | -29.152 |
| 5 | 27 | 414.307 | 394.071 | -20.236 |
| 5 | 28 | 419.746 | 391.320 | -28.426 |
| 5 | 29 | 411.528 | 393.074 | -18.454 |
| 10 | 30 | 418.484 | 391.836 | -26.648 |
| 10 | 31 | 422.723 | 394.518 | -28.205 |
| 10 | 32 | 424.103 | 389.791 | -34.312 |
| 10 | 33 | 411.176 | 390.023 | -21.153 |
| 10 | 34 | 422.113 | 396.994 | -25.119 |
| 15 | 35 | 423.045 | 389.331 | -33.714 |
| 15 | 36 | 417.899 | 392.278 | -25.621 |
| 15 | 37 | 422.464 | 393.745 | -28.719 |
| 15 | 38 | 424.913 | 392.276 | -32.637 |
| 15 | 39 | 416.972 | 394.354 | -22.618 |
| 30 | 40 | 425.367 | 396.981 | -28.386 |
| 30 | 41 | 411.538 | 390.588 | -20.950 |
| 30 | 42 | 417.772 | 397.114 | -20.658 |
| 30 | 43 | 414.532 | 396.524 | -18.008 |
| 30 | 44 | 424.771 | 390.610 | -34.161 |
| 35 | 45 | 418.724 | 390.749 | -27.975 |
| 35 | 46 | 413.958 | 389.309 | -24.649 |
| 35 | 47 | 424.790 | 399.247 | -25.543 |
| 35 | 48 | 413.527 | 387.679 | -25.848 |
| 35 | 49 | 418.023 | 390.990 | -27.033 |
| 50 | 50 | 419.648 | 389.142 | -30.506 |
| 50 | 51 | 415.126 | 396.014 | -19.112 |
| 50 | 52 | 416.896 | 391.396 | -25.500 |
| 50 | 53 | 415.893 | 391.883 | -24.010 |
| 50 | 54 | 420.172 | 391.954 | -28.218 |
| 55 | 55 | 409.215 | 391.517 | -17.698 |
| 55 | 56 | 417.803 | 391.384 | -26.419 |
| 55 | 57 | 414.530 | 394.374 | -20.156 |
| 55 | 58 | 419.408 | 391.751 | -27.657 |
| 55 | 59 | 418.152 | 396.789 | -21.363 |
| 100 | 60 | 413.599 | 393.222 | -20.377 |
| 100 | 61 | 411.118 | 388.568 | -22.550 |
| 100 | 62 | 414.463 | 394.735 | -19.728 |
| 100 | 63 | 416.072 | 397.512 | -18.560 |
| 100 | 64 | 410.574 | 389.311 | -21.263 |
| 105 | 65 | 417.010 | 395.078 | -21.932 |
| 105 | 66 | 413.650 | 394.960 | -18.690 |
| 105 | 67 | 413.916 | 386.620 | -27.296 |
| 105 | 68 | 415.545 | 391.814 | -23.731 |
| 105 | 69 | 414.142 | 391.845 | -22.297 |
| | Max | 425.481 | 399.247 | -17.698 |
| | Average | 417.471 | 392.581 | -24.890 |
| | Min | 409.215 | 386.620 | -34.312 |
| | Std Dev | 4.400 | 3.038 | 4.386 |




| | 19.24_tsr_EN1_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 387.013 | 391.083 | 386.663 | 389.791 | #### | 390.588 | #### | #### | 391.384 | #### | 386.620 |
| Average | 390.264 | 394.302 | 391.939 | 392.632 | #### | 394.363 | #### | #### | 393.163 | #### | 392.063 |
| Max | 394.095 | 396.995 | 394.566 | 396.994 | #### | 397.114 | #### | #### | 396.789 | #### | 395.078 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

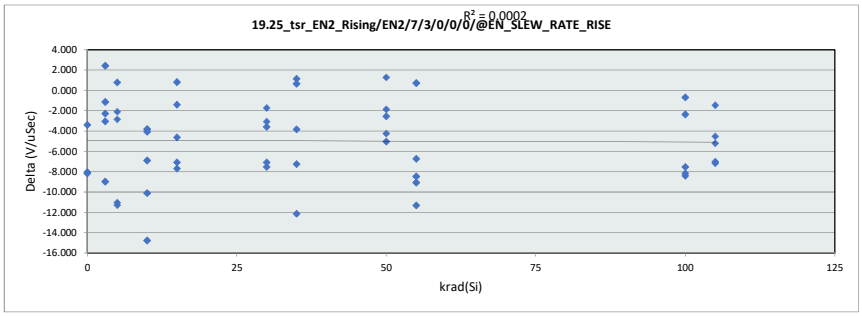


# TID HDR Report
# TPS7H3014-SP

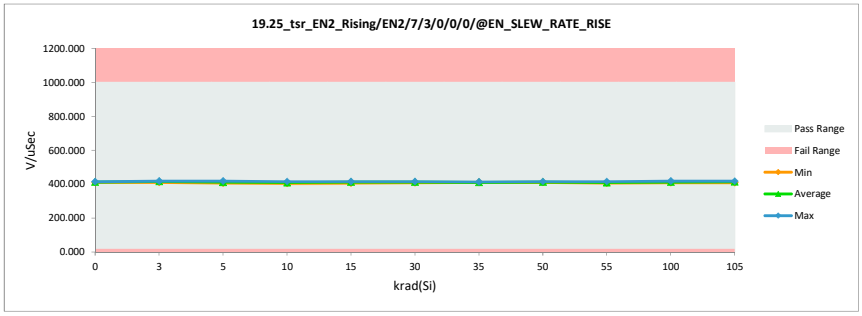
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.25_tsr_EN2_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 422.405 | 414.349 | -8.056 |
| 0 | 14 | 413.792 | 410.381 | -3.411 |
| 0 | 15 | 422.750 | 414.564 | -8.186 |
| 3 | 20 | 416.415 | 418.831 | 2.416 |
| 3 | 21 | 420.739 | 418.454 | -2.285 |
| 3 | 22 | 414.027 | 410.964 | -3.063 |
| 3 | 23 | 418.777 | 417.628 | -1.149 |
| 3 | 24 | 421.828 | 412.847 | -8.981 |
| 5 | 25 | 419.630 | 408.329 | -11.301 |
| 5 | 26 | 417.347 | 406.304 | -11.043 |
| 5 | 27 | 417.581 | 418.351 | 0.770 |
| 5 | 28 | 416.291 | 413.432 | -2.859 |
| 5 | 29 | 414.047 | 411.935 | -2.112 |
| 10 | 30 | 415.204 | 405.088 | -10.116 |
| 10 | 31 | 413.441 | 406.529 | -6.912 |
| 10 | 32 | 421.163 | 406.374 | -14.789 |
| 10 | 33 | 419.721 | 415.886 | -3.835 |
| 10 | 34 | 419.388 | 415.315 | -4.073 |
| 15 | 35 | 411.786 | 407.149 | -4.637 |
| 15 | 36 | 422.154 | 414.452 | -7.702 |
| 15 | 37 | 421.222 | 414.130 | -7.092 |
| 15 | 38 | 414.578 | 415.377 | 0.799 |
| 15 | 39 | 413.882 | 412.456 | -1.426 |
| 30 | 40 | 416.883 | 413.285 | -3.598 |
| 30 | 41 | 423.260 | 415.713 | -7.547 |
| 30 | 42 | 413.317 | 411.586 | -1.731 |
| 30 | 43 | 418.559 | 415.459 | -3.100 |
| 30 | 44 | 416.133 | 409.022 | -7.111 |
| 35 | 45 | 409.828 | 410.462 | 0.634 |
| 35 | 46 | 418.146 | 410.885 | -7.261 |
| 35 | 47 | 423.418 | 411.271 | -12.147 |
| 35 | 48 | 409.325 | 410.460 | 1.135 |
| 35 | 49 | 417.487 | 413.648 | -3.839 |
| 50 | 50 | 413.465 | 410.891 | -2.574 |
| 50 | 51 | 417.619 | 412.565 | -5.054 |
| 50 | 52 | 417.032 | 412.784 | -4.248 |
| 50 | 53 | 414.948 | 413.065 | -1.883 |
| 50 | 54 | 414.925 | 416.183 | 1.258 |
| 55 | 55 | 416.371 | 407.894 | -8.477 |
| 55 | 56 | 412.636 | 405.888 | -6.748 |
| 55 | 57 | 414.688 | 415.397 | 0.709 |
| 55 | 58 | 421.934 | 410.609 | -11.325 |
| 55 | 59 | 417.943 | 408.860 | -9.083 |
| 100 | 60 | 416.369 | 415.659 | -0.710 |
| 100 | 61 | 418.028 | 410.486 | -7.542 |
| 100 | 62 | 420.655 | 418.276 | -2.379 |
| 100 | 63 | 417.754 | 409.347 | -8.407 |
| 100 | 64 | 418.150 | 409.970 | -8.180 |
| 105 | 65 | 418.811 | 417.332 | -1.479 |
| 105 | 66 | 418.075 | 413.549 | -4.526 |
| 105 | 67 | 419.683 | 412.498 | -7.185 |
| 105 | 68 | 421.622 | 414.577 | -7.045 |
| 105 | 69 | 414.180 | 408.965 | -5.215 |
| | Max | 423.418 | 418.831 | 2.416 |
| | Average | 417.347 | 412.372 | -4.975 |
| | Min | 409.325 | 405.088 | -14.789 |
| | Std Dev | 3.408 | 3.551 | 3.962 |




| | 19.25_tsr_EN2_Rising/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 410.381 | 410.964 | 406.304 | 405.088 | #### | 409.022 | #### | #### | 405.888 | #### | 408.965 |
| Average | 413.098 | 415.745 | 411.670 | 409.838 | #### | 413.013 | #### | #### | 409.730 | #### | 413.384 |
| Max | 414.564 | 418.831 | 418.351 | 415.886 | #### | 415.713 | #### | #### | 415.397 | #### | 417.332 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

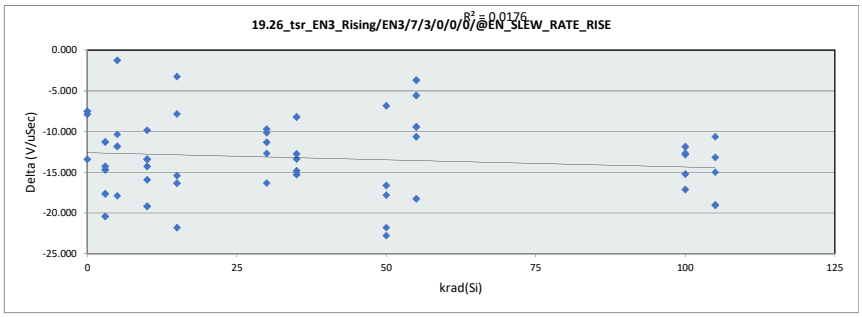


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

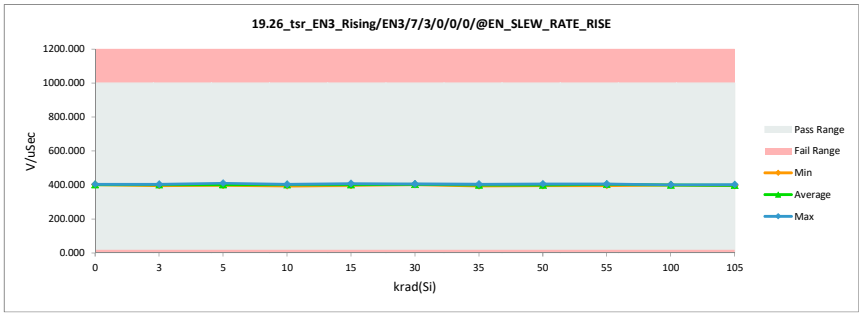
| | 19.26_tsr_EN3_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 410.555 | 402.639 | -7.916 |
| 0 | 14 | 415.049 | 401.593 | -13.456 |
| 0 | 15 | 411.661 | 404.129 | -7.532 |
| 3 | 20 | 417.907 | 403.610 | -14.297 |
| 3 | 21 | 420.491 | 402.802 | -17.689 |
| 3 | 22 | 413.827 | 402.519 | -11.308 |
| 3 | 23 | 411.737 | 396.991 | -14.746 |
| 3 | 24 | 419.736 | 399.268 | -20.468 |
| 5 | 25 | 415.797 | 397.876 | -17.921 |
| 5 | 26 | 410.770 | 400.394 | -10.376 |
| 5 | 27 | 414.480 | 402.646 | -11.834 |
| 5 | 28 | 411.537 | 410.257 | -1.280 |
| 5 | 29 | 411.461 | 399.583 | -11.878 |
| 10 | 30 | 413.473 | 394.269 | -19.204 |
| 10 | 31 | 413.395 | 403.517 | -9.878 |
| 10 | 32 | 417.189 | 403.767 | -13.422 |
| 10 | 33 | 417.517 | 401.558 | -15.959 |
| 10 | 34 | 416.859 | 402.559 | -14.300 |
| 15 | 35 | 406.661 | 398.797 | -7.864 |
| 15 | 36 | 419.435 | 403.072 | -16.363 |
| 15 | 37 | 413.819 | 398.358 | -15.461 |
| 15 | 38 | 411.461 | 408.183 | -3.278 |
| 15 | 39 | 419.272 | 397.441 | -21.831 |
| 30 | 40 | 419.139 | 402.788 | -16.351 |
| 30 | 41 | 414.372 | 404.647 | -9.725 |
| 30 | 42 | 414.833 | 403.490 | -11.343 |
| 30 | 43 | 415.427 | 405.240 | -10.187 |
| 30 | 44 | 414.705 | 401.994 | -12.711 |
| 35 | 45 | 413.882 | 401.106 | -12.776 |
| 35 | 46 | 407.650 | 394.250 | -13.400 |
| 35 | 47 | 416.695 | 401.390 | -15.305 |
| 35 | 48 | 412.844 | 404.613 | -8.231 |
| 35 | 49 | 415.187 | 400.332 | -14.855 |
| 50 | 50 | 409.968 | 403.097 | -6.871 |
| 50 | 51 | 412.943 | 395.102 | -17.841 |
| 50 | 52 | 417.941 | 395.137 | -22.804 |
| 50 | 53 | 419.595 | 397.771 | -21.824 |
| 50 | 54 | 423.441 | 406.784 | -16.657 |
| 55 | 55 | 409.878 | 404.272 | -5.606 |
| 55 | 56 | 407.355 | 403.630 | -3.725 |
| 55 | 57 | 415.895 | 405.231 | -10.664 |
| 55 | 58 | 415.143 | 396.855 | -18.288 |
| 55 | 59 | 415.118 | 405.663 | -9.455 |
| 100 | 60 | 413.047 | 401.154 | -11.893 |
| 100 | 61 | 411.845 | 399.128 | -12.717 |
| 100 | 62 | 415.008 | 399.757 | -15.251 |
| 100 | 63 | 417.086 | 399.940 | -17.146 |
| 100 | 64 | 413.508 | 400.679 | -12.829 |
| 105 | 65 | 414.656 | 395.568 | -19.088 |
| 105 | 66 | 412.695 | 402.020 | -10.675 |
| 105 | 67 | 416.841 | 401.813 | -15.028 |
| 105 | 68 | 416.767 | 397.732 | -19.035 |
| 105 | 69 | 410.406 | 397.211 | -13.195 |
| | Max | 423.441 | 410.257 | -1.280 |
| | Average | 414.490 | 401.212 | -13.278 |
| | Min | 406.661 | 394.250 | -22.804 |
| | Std Dev | 3.465 | 3.509 | 4.783 |




| | 19.26_tsr_EN3_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 401.593 | 396.991 | 397.876 | 394.269 | #### | 401.994 | #### | #### | 396.855 | #### | 395.568 |
| Average | 402.787 | 401.038 | 402.151 | 401.134 | #### | 403.632 | #### | #### | 403.130 | #### | 398.869 |
| Max | 404.129 | 403.610 | 410.257 | 403.767 | #### | 405.240 | #### | #### | 405.663 | #### | 402.020 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

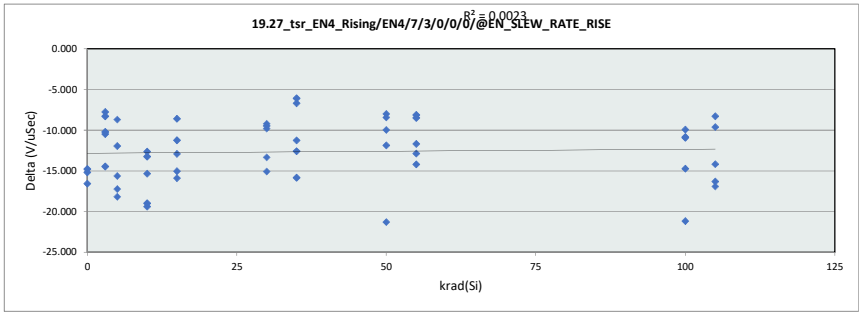


# TID HDR Report
# TPS7H3014-SP

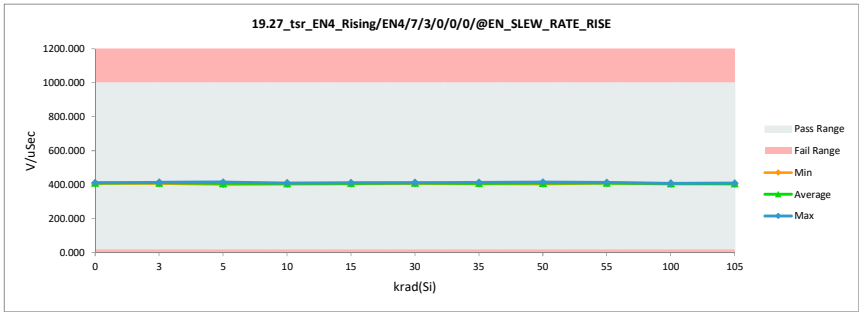
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.27_tsr_EN4_Rising/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 424.667 | 409.879 | -14.788 |
| 0 | 14 | 423.144 | 407.963 | -15.181 |
| 0 | 15 | 427.600 | 411.027 | -16.573 |
| 3 | 20 | 418.561 | 408.069 | -10.492 |
| 3 | 21 | 424.108 | 413.877 | -10.231 |
| 3 | 22 | 415.657 | 407.363 | -8.294 |
| 3 | 23 | 423.289 | 408.814 | -14.475 |
| 3 | 24 | 421.948 | 414.171 | -7.777 |
| 5 | 25 | 419.895 | 401.707 | -18.188 |
| 5 | 26 | 416.451 | 407.745 | -8.706 |
| 5 | 27 | 423.992 | 408.346 | -15.646 |
| 5 | 28 | 426.980 | 415.014 | -11.966 |
| 5 | 29 | 419.479 | 402.245 | -17.234 |
| 10 | 30 | 417.484 | 404.238 | -13.246 |
| 10 | 31 | 426.811 | 407.405 | -19.406 |
| 10 | 32 | 421.903 | 406.545 | -15.358 |
| 10 | 33 | 425.430 | 406.450 | -18.980 |
| 10 | 34 | 422.474 | 409.841 | -12.633 |
| 15 | 35 | 419.392 | 410.791 | -8.601 |
| 15 | 36 | 423.783 | 407.879 | -15.904 |
| 15 | 37 | 420.652 | 405.614 | -15.038 |
| 15 | 38 | 422.427 | 409.507 | -12.920 |
| 15 | 39 | 420.521 | 409.272 | -11.249 |
| 30 | 40 | 422.068 | 408.719 | -13.349 |
| 30 | 41 | 420.884 | 411.079 | -9.805 |
| 30 | 42 | 425.657 | 410.576 | -15.081 |
| 30 | 43 | 421.183 | 411.957 | -9.226 |
| 30 | 44 | 417.318 | 407.836 | -9.482 |
| 35 | 45 | 419.853 | 407.262 | -12.591 |
| 35 | 46 | 420.671 | 409.406 | -11.265 |
| 35 | 47 | 419.492 | 412.783 | -6.709 |
| 35 | 48 | 421.654 | 405.817 | -15.837 |
| 35 | 49 | 412.605 | 406.506 | -6.099 |
| 50 | 50 | 415.403 | 406.961 | -8.442 |
| 50 | 51 | 422.815 | 410.928 | -11.887 |
| 50 | 52 | 425.030 | 403.726 | -21.304 |
| 50 | 53 | 420.912 | 410.932 | -9.980 |
| 50 | 54 | 423.349 | 415.343 | -8.006 |
| 55 | 55 | 423.000 | 408.801 | -14.199 |
| 55 | 56 | 418.805 | 410.293 | -8.512 |
| 55 | 57 | 420.748 | 412.603 | -8.145 |
| 55 | 58 | 421.643 | 408.766 | -12.877 |
| 55 | 59 | 423.477 | 411.779 | -11.698 |
| 100 | 60 | 422.464 | 407.720 | -14.744 |
| 100 | 61 | 416.900 | 405.967 | -10.933 |
| 100 | 62 | 418.070 | 408.130 | -9.940 |
| 100 | 63 | 425.632 | 404.446 | -21.186 |
| 100 | 64 | 418.672 | 407.812 | -10.860 |
| 105 | 65 | 416.978 | 407.354 | -9.624 |
| 105 | 66 | 419.935 | 403.004 | -16.931 |
| 105 | 67 | 417.367 | 409.067 | -8.300 |
| 105 | 68 | 422.002 | 407.818 | -14.184 |
| 105 | 69 | 421.948 | 405.638 | -16.310 |
| | Max | 427.600 | 415.343 | -6.099 |
| | Average | 421.192 | 408.543 | -12.649 |
| | Min | 412.605 | 401.707 | -21.304 |
| | Std Dev | 3.193 | 3.034 | 3.746 |




| | 19.27_tsr_EN4_Rising/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 407.963 | 407.363 | 401.707 | 404.238 | #### | 407.836 | #### | #### | 408.766 | #### | 403.004 |
| Average | 409.623 | 410.459 | 407.011 | 406.896 | #### | 410.033 | #### | #### | 410.448 | #### | 406.576 |
| Max | 411.027 | 414.171 | 415.014 | 409.841 | #### | 411.957 | #### | #### | 412.603 | #### | 409.067 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

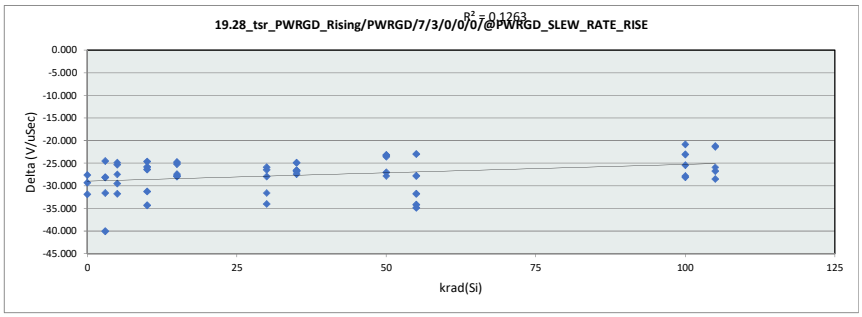


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

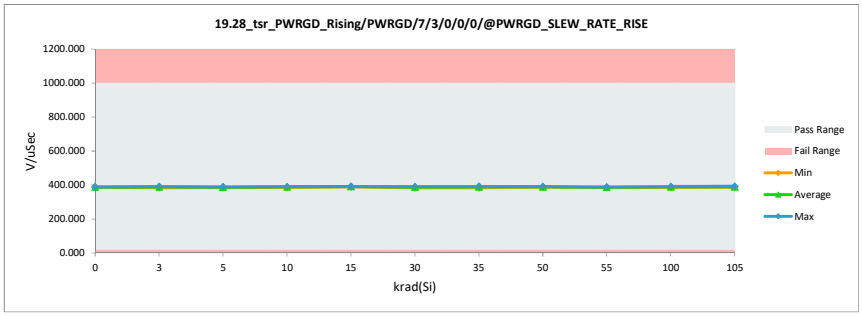
| | 19.28_tsr_PWRGD_Rising | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 416.962 | 387.629 | -29.333 |
| 0 | 14 | 421.038 | 389.118 | -31.920 |
| 0 | 15 | 414.293 | 386.646 | -27.647 |
| 3 | 20 | 419.559 | 391.418 | -28.141 |
| 3 | 21 | 413.359 | 388.803 | -24.556 |
| 3 | 22 | 423.610 | 383.554 | -40.056 |
| 3 | 23 | 420.410 | 388.803 | -31.607 |
| 3 | 24 | 415.834 | 387.667 | -28.167 |
| 5 | 25 | 416.260 | 384.477 | -31.783 |
| 5 | 26 | 414.990 | 387.480 | -27.510 |
| 5 | 27 | 413.742 | 388.388 | -25.354 |
| 5 | 28 | 418.662 | 389.129 | -29.533 |
| 5 | 29 | 414.231 | 389.349 | -24.882 |
| 10 | 30 | 411.544 | 385.119 | -26.425 |
| 10 | 31 | 414.425 | 388.582 | -25.843 |
| 10 | 32 | 421.787 | 387.443 | -34.344 |
| 10 | 33 | 414.555 | 389.887 | -24.668 |
| 10 | 34 | 421.826 | 390.544 | -31.282 |
| 15 | 35 | 415.011 | 390.250 | -24.761 |
| 15 | 36 | 415.947 | 388.486 | -27.461 |
| 15 | 37 | 416.360 | 391.158 | -25.202 |
| 15 | 38 | 418.388 | 390.408 | -27.980 |
| 15 | 39 | 419.085 | 391.245 | -27.840 |
| 30 | 40 | 417.783 | 383.745 | -34.038 |
| 30 | 41 | 416.602 | 384.995 | -31.607 |
| 30 | 42 | 415.092 | 388.589 | -26.503 |
| 30 | 43 | 418.256 | 390.286 | -27.970 |
| 30 | 44 | 414.151 | 388.251 | -25.900 |
| 35 | 45 | 415.024 | 388.388 | -26.636 |
| 35 | 46 | 409.804 | 382.346 | -27.458 |
| 35 | 47 | 418.127 | 391.243 | -26.884 |
| 35 | 48 | 417.691 | 391.064 | -26.627 |
| 35 | 49 | 414.035 | 389.128 | -24.907 |
| 50 | 50 | 411.250 | 387.666 | -23.584 |
| 50 | 51 | 413.265 | 390.043 | -23.222 |
| 50 | 52 | 414.140 | 390.912 | -23.228 |
| 50 | 53 | 415.457 | 387.597 | -27.860 |
| 50 | 54 | 413.817 | 386.781 | -27.036 |
| 55 | 55 | 418.983 | 384.805 | -34.178 |
| 55 | 56 | 417.022 | 385.236 | -31.786 |
| 55 | 57 | 414.915 | 387.107 | -27.808 |
| 55 | 58 | 420.009 | 385.131 | -34.878 |
| 55 | 59 | 411.510 | 388.512 | -22.998 |
| 100 | 60 | 413.155 | 387.678 | -25.477 |
| 100 | 61 | 410.491 | 389.615 | -20.876 |
| 100 | 62 | 417.538 | 389.421 | -28.117 |
| 100 | 63 | 414.659 | 391.575 | -23.084 |
| 100 | 64 | 412.481 | 384.605 | -27.876 |
| 105 | 65 | 416.202 | 390.273 | -25.929 |
| 105 | 66 | 413.956 | 392.521 | -21.435 |
| 105 | 67 | 410.237 | 388.982 | -21.255 |
| 105 | 68 | 415.586 | 387.058 | -28.528 |
| 105 | 69 | 413.792 | 387.050 | -26.742 |
| | Max | 423.610 | 392.521 | -20.876 |
| | Average | 415.791 | 388.230 | -27.561 |
| | Min | 409.804 | 382.346 | -40.056 |
| | Std Dev | 3.086 | 2.340 | 3.764 |




| | 19.28_tsr_PWRGD_Rising | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 386.646 | 383.554 | 384.477 | 385.119 | #### | 383.745 | #### | #### | 384.805 | #### | 387.050 |
| Average | 387.798 | 388.049 | 387.765 | 388.315 | #### | 387.173 | #### | #### | 386.158 | #### | 389.177 |
| Max | 389.118 | 391.418 | 389.349 | 390.544 | #### | 390.286 | #### | #### | 388.512 | #### | 392.521 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

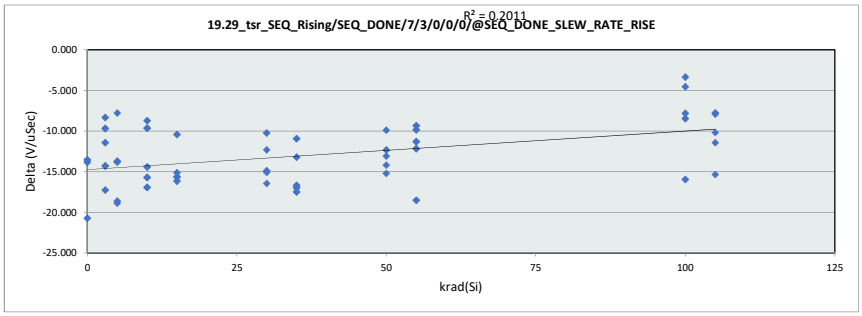


# TID HDR Report
# TPS7H3014-SP

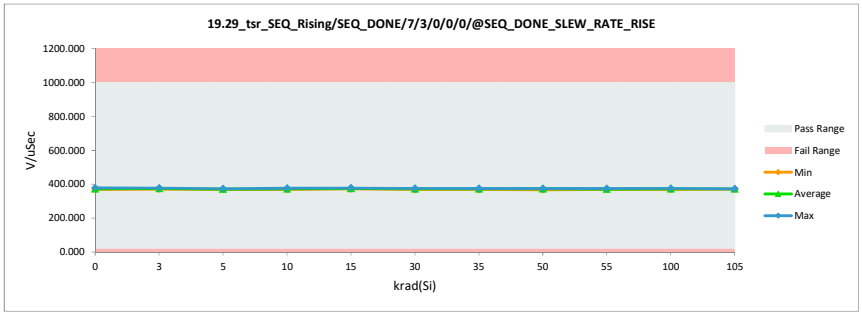
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.29_tsr_SEQ_Rising/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 392.402 | 378.520 | -13.882 |
| 0 | 14 | 382.808 | 369.247 | -13.561 |
| 0 | 15 | 391.872 | 371.117 | -20.755 |
| 3 | 20 | 386.607 | 378.239 | -8.368 |
| 3 | 21 | 386.264 | 376.555 | -9.709 |
| 3 | 22 | 386.994 | 372.671 | -14.323 |
| 3 | 23 | 386.368 | 374.912 | -11.456 |
| 3 | 24 | 387.131 | 369.841 | -17.290 |
| 5 | 25 | 381.714 | 373.904 | -7.810 |
| 5 | 26 | 386.788 | 368.149 | -18.639 |
| 5 | 27 | 386.416 | 372.697 | -13.719 |
| 5 | 28 | 389.237 | 370.332 | -18.905 |
| 5 | 29 | 383.427 | 369.584 | -13.843 |
| 10 | 30 | 382.045 | 373.288 | -8.757 |
| 10 | 31 | 385.617 | 371.175 | -14.442 |
| 10 | 32 | 385.332 | 368.360 | -16.972 |
| 10 | 33 | 386.962 | 371.232 | -15.730 |
| 10 | 34 | 386.833 | 377.150 | -9.683 |
| 15 | 35 | 387.551 | 371.881 | -15.670 |
| 15 | 36 | 389.684 | 373.521 | -16.163 |
| 15 | 37 | 388.903 | 373.743 | -15.160 |
| 15 | 38 | 393.762 | 378.086 | -15.676 |
| 15 | 39 | 385.553 | 375.102 | -10.451 |
| 30 | 40 | 386.745 | 370.268 | -16.477 |
| 30 | 41 | 386.489 | 371.377 | -15.112 |
| 30 | 42 | 381.205 | 370.941 | -10.264 |
| 30 | 43 | 388.485 | 376.155 | -12.330 |
| 30 | 44 | 384.360 | 369.442 | -14.918 |
| 35 | 45 | 385.102 | 374.146 | -10.956 |
| 35 | 46 | 386.524 | 369.513 | -17.011 |
| 35 | 47 | 388.598 | 375.355 | -13.243 |
| 35 | 48 | 387.059 | 369.536 | -17.523 |
| 35 | 49 | 389.323 | 372.614 | -16.709 |
| 50 | 50 | 381.567 | 367.352 | -14.215 |
| 50 | 51 | 386.731 | 374.370 | -12.361 |
| 50 | 52 | 386.551 | 371.310 | -15.241 |
| 50 | 53 | 388.065 | 374.948 | -13.117 |
| 50 | 54 | 384.701 | 374.772 | -9.929 |
| 55 | 55 | 380.523 | 370.632 | -9.891 |
| 55 | 56 | 388.224 | 369.693 | -18.531 |
| 55 | 57 | 383.861 | 374.483 | -9.378 |
| 55 | 58 | 380.293 | 368.966 | -11.327 |
| 55 | 59 | 386.019 | 373.830 | -12.189 |
| 100 | 60 | 383.918 | 376.071 | -7.847 |
| 100 | 61 | 378.545 | 375.147 | -3.398 |
| 100 | 62 | 380.904 | 376.333 | -4.571 |
| 100 | 63 | 384.446 | 368.475 | -15.971 |
| 100 | 64 | 378.703 | 370.211 | -8.492 |
| 105 | 65 | 379.085 | 371.120 | -7.965 |
| 105 | 66 | 383.622 | 373.413 | -10.209 |
| 105 | 67 | 386.499 | 371.133 | -15.366 |
| 105 | 68 | 380.508 | 372.717 | -7.791 |
| 105 | 69 | 382.272 | 370.824 | -11.448 |
| | Max | 393.762 | 378.520 | -3.398 |
| | Average | 385.457 | 372.537 | -12.920 |
| | Min | 378.545 | 367.352 | -20.755 |
| | Std Dev | 3.403 | 2.856 | 3.781 |




| | 19.29_tsr_SEQ_Rising/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 369.247 | 369.841 | 368.149 | 368.360 | #### | 369.442 | #### | #### | 368.966 | #### | 370.824 |
| Average | 372.961 | 374.444 | 370.933 | 372.241 | #### | 371.637 | #### | #### | 371.521 | #### | 371.841 |
| Max | 378.520 | 378.239 | 373.904 | 377.150 | #### | 376.155 | #### | #### | 374.483 | #### | 373.413 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

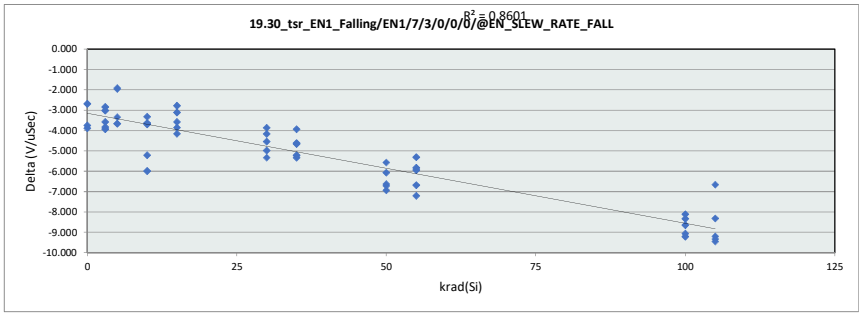


# TID HDR Report
# TPS7H3014-SP

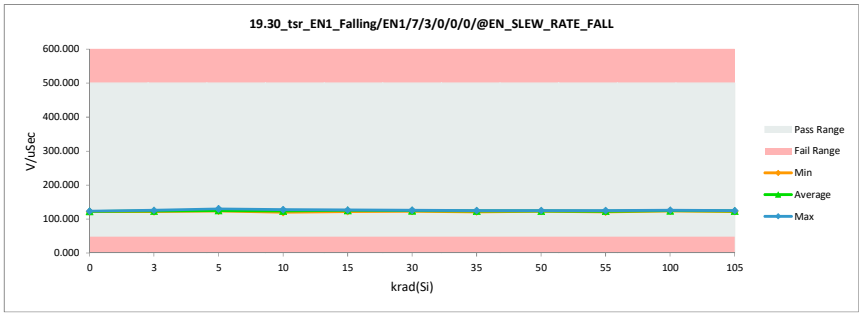
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.30_tsr_EN1_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 124.306 | 121.619 | -2.687 |
| 0 | 14 | 126.897 | 123.146 | -3.751 |
| 0 | 15 | 125.928 | 122.036 | -3.892 |
| 3 | 20 | 129.558 | 125.625 | -3.933 |
| 3 | 21 | 126.738 | 122.903 | -3.835 |
| 3 | 22 | 125.868 | 123.026 | -2.842 |
| 3 | 23 | 124.452 | 121.427 | -3.025 |
| 3 | 24 | 129.220 | 125.645 | -3.575 |
| 5 | 25 | 127.720 | 124.049 | -3.671 |
| 5 | 26 | 127.351 | 124.008 | -3.343 |
| 5 | 27 | 131.836 | 129.924 | -1.912 |
| 5 | 28 | 125.807 | 123.844 | -1.963 |
| 5 | 29 | 126.959 | 123.298 | -3.661 |
| 10 | 30 | 125.547 | 121.912 | -3.635 |
| 10 | 31 | 129.058 | 123.845 | -5.213 |
| 10 | 32 | 130.754 | 127.431 | -3.323 |
| 10 | 33 | 125.783 | 119.792 | -5.991 |
| 10 | 34 | 128.061 | 124.371 | -3.690 |
| 15 | 35 | 126.292 | 122.138 | -4.154 |
| 15 | 36 | 128.509 | 125.721 | -2.788 |
| 15 | 37 | 129.144 | 126.032 | -3.112 |
| 15 | 38 | 130.100 | 126.242 | -3.858 |
| 15 | 39 | 129.242 | 125.662 | -3.580 |
| 30 | 40 | 130.302 | 125.319 | -4.983 |
| 30 | 41 | 128.784 | 124.621 | -4.163 |
| 30 | 42 | 128.490 | 123.950 | -4.540 |
| 30 | 43 | 129.841 | 125.974 | -3.867 |
| 30 | 44 | 128.047 | 122.710 | -5.337 |
| 35 | 45 | 127.330 | 122.704 | -4.626 |
| 35 | 46 | 130.364 | 125.028 | -5.336 |
| 35 | 47 | 128.215 | 124.274 | -3.941 |
| 35 | 48 | 125.759 | 121.096 | -4.663 |
| 35 | 49 | 130.228 | 125.010 | -5.218 |
| 50 | 50 | 130.072 | 123.441 | -6.631 |
| 50 | 51 | 128.529 | 122.461 | -6.068 |
| 50 | 52 | 128.633 | 123.064 | -5.569 |
| 50 | 53 | 129.421 | 122.481 | -6.940 |
| 50 | 54 | 131.530 | 124.814 | -6.716 |
| 55 | 55 | 131.155 | 124.467 | -6.688 |
| 55 | 56 | 128.571 | 123.263 | -5.308 |
| 55 | 57 | 130.562 | 124.726 | -5.836 |
| 55 | 58 | 127.762 | 120.556 | -7.206 |
| 55 | 59 | 128.304 | 122.367 | -5.937 |
| 100 | 60 | 131.939 | 123.291 | -8.648 |
| 100 | 61 | 134.278 | 125.941 | -8.337 |
| 100 | 62 | 134.143 | 124.933 | -9.210 |
| 100 | 63 | 132.575 | 123.513 | -9.062 |
| 100 | 64 | 131.761 | 123.649 | -8.112 |
| 105 | 65 | 130.786 | 124.129 | -6.657 |
| 105 | 66 | 133.833 | 124.376 | -9.457 |
| 105 | 67 | 132.164 | 122.827 | -9.337 |
| 105 | 68 | 131.419 | 123.098 | -8.321 |
| 105 | 69 | 131.258 | 122.059 | -9.199 |
| | Max | 134.278 | 129.924 | -1.912 |
| | Average | 129.079 | 123.846 | -5.233 |
| | Min | 124.306 | 119.792 | -9.457 |
| | Std Dev | 2.412 | 1.781 | 2.084 |




| | 19.30_tsr_EN1_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 121.619 | 121.427 | 123.298 | 119.792 | #### | 122.710 | #### | #### | 120.556 | #### | 122.059 |
| Average | 122.267 | 123.725 | 125.025 | 123.470 | #### | 124.515 | #### | #### | 123.076 | #### | 123.298 |
| Max | 123.146 | 125.645 | 129.924 | 127.431 | #### | 125.974 | #### | #### | 124.726 | #### | 124.376 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

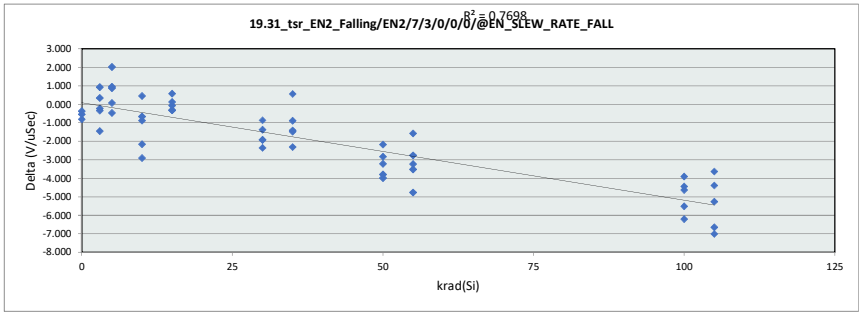


# TID HDR Report
# TPS7H3014-SP

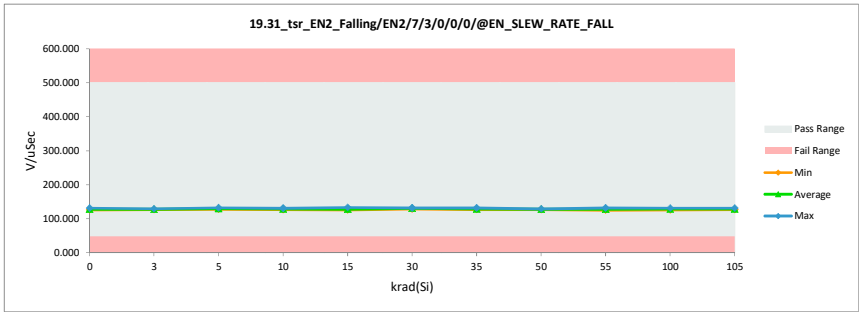
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.31_tsr_EN2_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 126.543 | 126.168 | -0.375 |
| 0 | 14 | 126.459 | 125.911 | -0.548 |
| 0 | 15 | 131.540 | 130.721 | -0.819 |
| 3 | 20 | 127.287 | 126.938 | -0.349 |
| 3 | 21 | 126.708 | 127.620 | 0.912 |
| 3 | 22 | 129.100 | 128.868 | -0.232 |
| 3 | 23 | 127.909 | 126.453 | -1.456 |
| 3 | 24 | 126.350 | 126.685 | 0.335 |
| 5 | 25 | 128.330 | 129.193 | 0.863 |
| 5 | 26 | 127.890 | 129.895 | 2.005 |
| 5 | 27 | 130.881 | 130.406 | -0.475 |
| 5 | 28 | 130.772 | 131.707 | 0.935 |
| 5 | 29 | 127.970 | 128.030 | 0.060 |
| 10 | 30 | 130.541 | 128.370 | -2.171 |
| 10 | 31 | 129.079 | 126.168 | -2.911 |
| 10 | 32 | 129.694 | 130.132 | 0.438 |
| 10 | 33 | 128.962 | 128.285 | -0.677 |
| 10 | 34 | 128.618 | 127.730 | -0.888 |
| 15 | 35 | 125.508 | 125.171 | -0.337 |
| 15 | 36 | 126.426 | 126.541 | 0.115 |
| 15 | 37 | 124.954 | 125.519 | 0.565 |
| 15 | 38 | 130.016 | 129.688 | -0.328 |
| 15 | 39 | 132.998 | 132.920 | -0.078 |
| 30 | 40 | 132.114 | 131.242 | -0.872 |
| 30 | 41 | 130.242 | 128.315 | -1.927 |
| 30 | 42 | 132.039 | 130.652 | -1.387 |
| 30 | 43 | 132.188 | 130.255 | -1.933 |
| 30 | 44 | 132.089 | 129.722 | -2.367 |
| 35 | 45 | 128.841 | 127.419 | -1.422 |
| 35 | 46 | 129.894 | 127.569 | -2.325 |
| 35 | 47 | 129.082 | 127.593 | -1.489 |
| 35 | 48 | 131.990 | 131.093 | -0.897 |
| 35 | 49 | 126.369 | 126.917 | 0.548 |
| 50 | 50 | 130.003 | 127.819 | -2.184 |
| 50 | 51 | 131.589 | 127.785 | -3.804 |
| 50 | 52 | 129.197 | 126.357 | -2.840 |
| 50 | 53 | 131.988 | 127.992 | -3.996 |
| 50 | 54 | 132.103 | 128.870 | -3.233 |
| 55 | 55 | 131.478 | 127.949 | -3.529 |
| 55 | 56 | 129.497 | 124.722 | -4.775 |
| 55 | 57 | 132.887 | 131.303 | -1.584 |
| 55 | 58 | 128.828 | 126.059 | -2.769 |
| 55 | 59 | 130.465 | 127.230 | -3.235 |
| 100 | 60 | 135.610 | 130.969 | -4.641 |
| 100 | 61 | 132.070 | 128.156 | -3.914 |
| 100 | 62 | 132.131 | 127.674 | -4.457 |
| 100 | 63 | 134.196 | 128.671 | -5.525 |
| 100 | 64 | 131.370 | 125.158 | -6.212 |
| 105 | 65 | 133.589 | 129.948 | -3.641 |
| 105 | 66 | 135.394 | 130.998 | -4.396 |
| 105 | 67 | 134.354 | 127.334 | -7.020 |
| 105 | 68 | 134.356 | 127.698 | -6.658 |
| 105 | 69 | 131.662 | 126.393 | -5.269 |
| | Max | 135.610 | 132.920 | 2.005 |
| | Average | 130.229 | 128.283 | -1.947 |
| | Min | 124.954 | 124.722 | -7.020 |
| | Std Dev | 2.589 | 1.927 | 2.150 |




| | 19.31_tsr_EN2_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 125.911 | 126.453 | 128.030 | 126.168 | #### | 128.315 | #### | #### | 124.722 | #### | 126.393 |
| Average | 127.600 | 127.313 | 129.846 | 128.137 | #### | 130.037 | #### | #### | 127.453 | #### | 128.474 |
| Max | 130.721 | 128.868 | 131.707 | 130.132 | #### | 131.242 | #### | #### | 131.303 | #### | 130.998 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

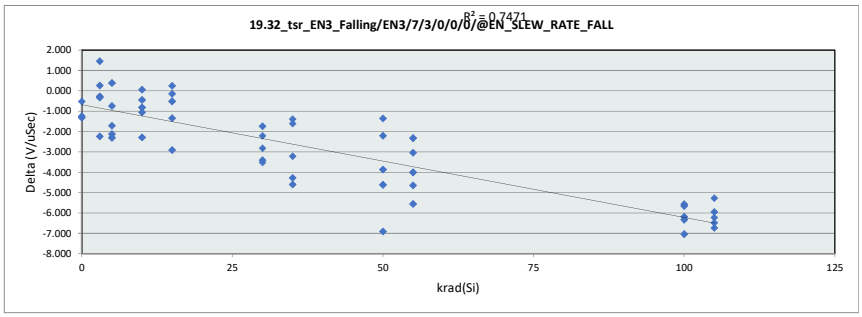


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

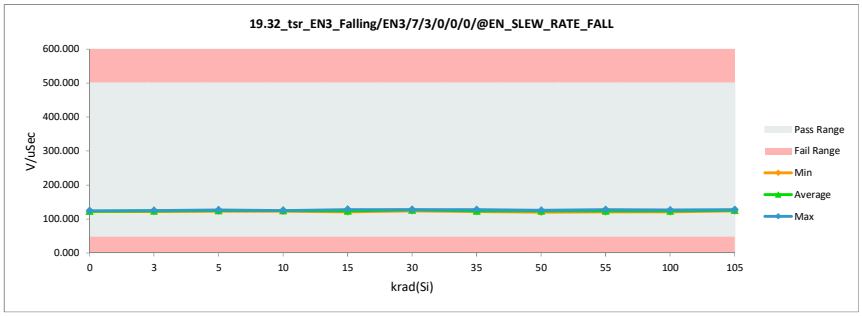
| | 19.32_tsr_EN3_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 123.413 | 122.083 | -1.330 |
| 0 | 14 | 124.060 | 122.810 | -1.250 |
| 0 | 15 | 124.857 | 124.320 | -0.537 |
| 3 | 20 | 123.611 | 125.056 | 1.445 |
| 3 | 21 | 124.912 | 124.625 | -0.287 |
| 3 | 22 | 125.327 | 124.984 | -0.343 |
| 3 | 23 | 123.637 | 121.384 | -2.253 |
| 3 | 24 | 123.753 | 124.001 | 0.248 |
| 5 | 25 | 125.082 | 122.767 | -2.315 |
| 5 | 26 | 126.188 | 124.462 | -1.726 |
| 5 | 27 | 126.803 | 126.047 | -0.756 |
| 5 | 28 | 128.059 | 125.919 | -2.140 |
| 5 | 29 | 124.254 | 124.625 | 0.371 |
| 10 | 30 | 124.633 | 124.677 | 0.044 |
| 10 | 31 | 124.869 | 122.569 | -2.300 |
| 10 | 32 | 125.794 | 125.337 | -0.457 |
| 10 | 33 | 124.509 | 123.679 | -0.830 |
| 10 | 34 | 125.941 | 124.878 | -1.063 |
| 15 | 35 | 122.231 | 120.880 | -1.351 |
| 15 | 36 | 123.667 | 123.141 | -0.526 |
| 15 | 37 | 123.722 | 120.803 | -2.919 |
| 15 | 38 | 126.332 | 126.174 | -0.158 |
| 15 | 39 | 127.911 | 128.144 | 0.233 |
| 30 | 40 | 129.125 | 126.909 | -2.216 |
| 30 | 41 | 127.171 | 123.749 | -3.422 |
| 30 | 42 | 130.268 | 127.435 | -2.833 |
| 30 | 43 | 130.248 | 126.710 | -3.538 |
| 30 | 44 | 128.427 | 126.676 | -1.751 |
| 35 | 45 | 124.798 | 121.577 | -3.221 |
| 35 | 46 | 127.100 | 122.488 | -4.612 |
| 35 | 47 | 126.787 | 122.504 | -4.283 |
| 35 | 48 | 128.666 | 127.044 | -1.622 |
| 35 | 49 | 123.272 | 121.869 | -1.403 |
| 50 | 50 | 126.325 | 124.108 | -2.217 |
| 50 | 51 | 128.726 | 124.097 | -4.629 |
| 50 | 52 | 126.906 | 119.989 | -6.917 |
| 50 | 53 | 129.071 | 125.195 | -3.876 |
| 50 | 54 | 127.116 | 125.746 | -1.370 |
| 55 | 55 | 129.198 | 125.179 | -4.019 |
| 55 | 56 | 124.850 | 121.795 | -3.055 |
| 55 | 57 | 129.741 | 127.411 | -2.330 |
| 55 | 58 | 126.178 | 120.606 | -5.572 |
| 55 | 59 | 127.729 | 123.078 | -4.651 |
| 100 | 60 | 132.383 | 126.717 | -5.666 |
| 100 | 61 | 128.691 | 123.111 | -5.580 |
| 100 | 62 | 129.887 | 123.543 | -6.344 |
| 100 | 63 | 127.943 | 120.897 | -7.046 |
| 100 | 64 | 127.765 | 121.567 | -6.198 |
| 105 | 65 | 130.486 | 124.523 | -5.963 |
| 105 | 66 | 133.797 | 127.302 | -6.495 |
| 105 | 67 | 130.161 | 123.416 | -6.745 |
| 105 | 68 | 132.235 | 126.955 | -5.280 |
| 105 | 69 | 130.307 | 124.071 | -6.236 |
| | Max | 133.797 | 128.144 | 1.445 |
| | Average | 126.961 | 124.144 | -2.817 |
| | Min | 122.231 | 119.989 | -7.046 |
| | Std Dev | 2.660 | 2.081 | 2.292 |




| | 19.32_tsr_EN3_Falling/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 122.083 | 121.384 | 122.767 | 122.569 | #### | 123.749 | #### | #### | 120.606 | #### | 123.416 |
| Average | 123.071 | 124.010 | 124.764 | 124.228 | #### | 126.296 | #### | #### | 123.614 | #### | 125.253 |
| Max | 124.320 | 125.056 | 126.047 | 125.337 | #### | 127.435 | #### | #### | 127.411 | #### | 127.302 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

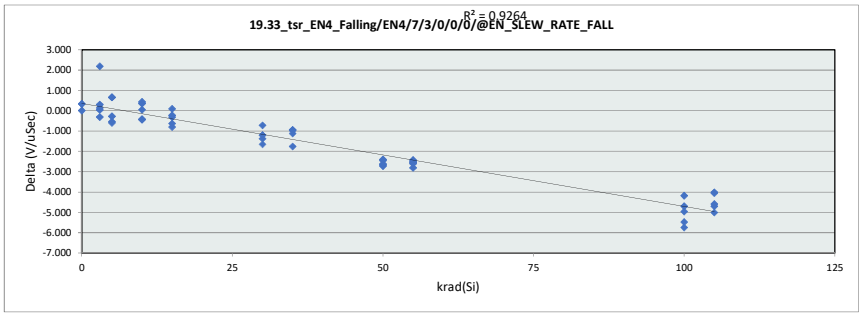


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

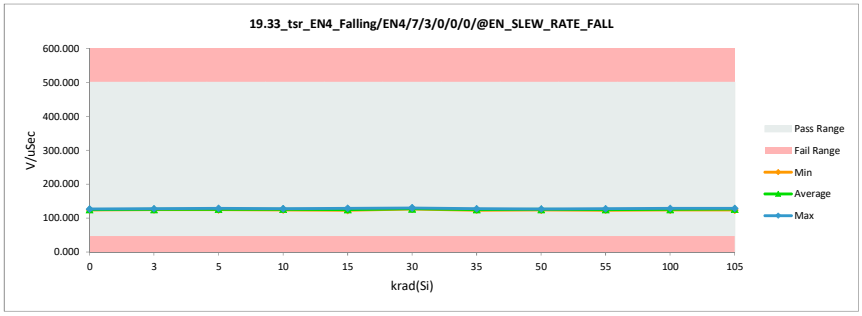
| | 19.33_tsr_EN4_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 124.682 | 124.685 | 0.003 |
| 0 | 14 | 124.086 | 124.419 | 0.333 |
| 0 | 15 | 126.755 | 127.076 | 0.321 |
| 3 | 20 | 124.761 | 124.797 | 0.036 |
| 3 | 21 | 126.466 | 126.599 | 0.133 |
| 3 | 22 | 127.331 | 127.628 | 0.297 |
| 3 | 23 | 125.411 | 125.093 | -0.318 |
| 3 | 24 | 123.715 | 125.894 | 2.179 |
| 5 | 25 | 125.865 | 125.316 | -0.549 |
| 5 | 26 | 125.736 | 125.449 | -0.287 |
| 5 | 27 | 127.495 | 128.139 | 0.644 |
| 5 | 28 | 128.350 | 129.005 | 0.655 |
| 5 | 29 | 125.280 | 124.673 | -0.607 |
| 10 | 30 | 126.386 | 126.726 | 0.340 |
| 10 | 31 | 124.671 | 124.217 | -0.454 |
| 10 | 32 | 127.173 | 127.599 | 0.426 |
| 10 | 33 | 125.314 | 124.887 | -0.427 |
| 10 | 34 | 127.093 | 127.131 | 0.038 |
| 15 | 35 | 124.465 | 123.656 | -0.809 |
| 15 | 36 | 122.919 | 123.005 | 0.086 |
| 15 | 37 | 123.797 | 123.160 | -0.637 |
| 15 | 38 | 128.587 | 128.350 | -0.237 |
| 15 | 39 | 129.841 | 129.517 | -0.324 |
| 30 | 40 | 131.902 | 130.241 | -1.661 |
| 30 | 41 | 127.577 | 126.850 | -0.727 |
| 30 | 42 | 128.000 | 126.781 | -1.219 |
| 30 | 43 | 129.699 | 128.316 | -1.383 |
| 30 | 44 | 128.439 | 127.239 | -1.200 |
| 35 | 45 | 127.354 | 125.584 | -1.770 |
| 35 | 46 | 125.493 | 124.360 | -1.133 |
| 35 | 47 | 126.787 | 125.828 | -0.959 |
| 35 | 48 | 128.878 | 127.895 | -0.983 |
| 35 | 49 | 124.478 | 123.531 | -0.947 |
| 50 | 50 | 127.697 | 125.234 | -2.463 |
| 50 | 51 | 129.052 | 126.317 | -2.735 |
| 50 | 52 | 126.420 | 124.015 | -2.405 |
| 50 | 53 | 129.908 | 127.232 | -2.676 |
| 50 | 54 | 129.616 | 126.987 | -2.629 |
| 55 | 55 | 128.310 | 125.752 | -2.558 |
| 55 | 56 | 127.013 | 124.199 | -2.814 |
| 55 | 57 | 130.297 | 127.809 | -2.488 |
| 55 | 58 | 126.162 | 123.548 | -2.614 |
| 55 | 59 | 128.310 | 125.881 | -2.429 |
| 100 | 60 | 133.561 | 128.593 | -4.968 |
| 100 | 61 | 129.716 | 123.962 | -5.754 |
| 100 | 62 | 130.563 | 125.857 | -4.706 |
| 100 | 63 | 130.848 | 126.657 | -4.191 |
| 100 | 64 | 129.299 | 123.816 | -5.483 |
| 105 | 65 | 131.754 | 127.151 | -4.603 |
| 105 | 66 | 133.584 | 128.876 | -4.708 |
| 105 | 67 | 129.338 | 125.317 | -4.021 |
| 105 | 68 | 132.807 | 128.740 | -4.067 |
| 105 | 69 | 128.920 | 123.902 | -5.018 |
| | Max | 133.584 | 130.241 | 2.179 |
| | Average | 127.697 | 126.104 | -1.594 |
| | Min | 122.919 | 123.005 | -5.754 |
| | Std Dev | 2.564 | 1.819 | 1.886 |




| | 19.33_tsr_EN4_Falling/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 124.419 | 124.797 | 124.673 | 124.217 | #### | 126.781 | #### | #### | 123.548 | #### | 123.902 |
| Average | 125.393 | 126.002 | 126.516 | 126.112 | #### | 127.885 | #### | #### | 125.438 | #### | 126.797 |
| Max | 127.076 | 127.628 | 129.005 | 127.599 | #### | 130.241 | #### | #### | 127.809 | #### | 128.876 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

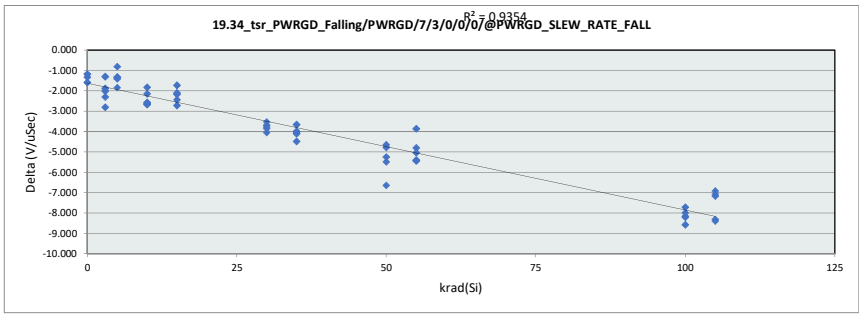


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

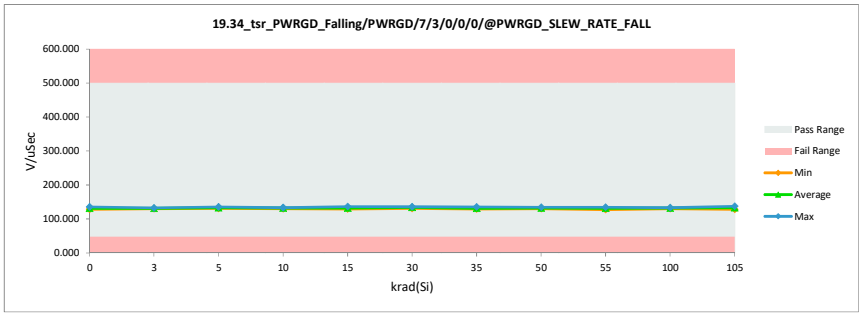
| | 19.34_tsr_PWRGD_Falling | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 132.860 | 131.263 | -1.597 |
| 0 | 14 | 129.687 | 128.351 | -1.336 |
| 0 | 15 | 136.459 | 135.270 | -1.189 |
| 3 | 20 | 133.086 | 130.778 | -2.308 |
| 3 | 21 | 134.284 | 132.262 | -2.022 |
| 3 | 22 | 133.910 | 132.596 | -1.314 |
| 3 | 23 | 133.006 | 130.188 | -2.818 |
| 3 | 24 | 132.266 | 130.375 | -1.891 |
| 5 | 25 | 132.906 | 131.545 | -1.361 |
| 5 | 26 | 134.056 | 133.235 | -0.821 |
| 5 | 27 | 133.072 | 131.222 | -1.850 |
| 5 | 28 | 136.693 | 135.370 | -1.323 |
| 5 | 29 | 134.226 | 132.811 | -1.415 |
| 10 | 30 | 135.996 | 133.323 | -2.673 |
| 10 | 31 | 131.900 | 130.063 | -1.837 |
| 10 | 32 | 135.584 | 132.995 | -2.589 |
| 10 | 33 | 132.725 | 130.572 | -2.153 |
| 10 | 34 | 135.152 | 132.513 | -2.639 |
| 15 | 35 | 133.067 | 130.345 | -2.722 |
| 15 | 36 | 130.631 | 128.898 | -1.733 |
| 15 | 37 | 132.290 | 129.847 | -2.443 |
| 15 | 38 | 137.095 | 134.917 | -2.178 |
| 15 | 39 | 138.709 | 136.595 | -2.114 |
| 30 | 40 | 140.123 | 136.066 | -4.057 |
| 30 | 41 | 135.025 | 131.165 | -3.860 |
| 30 | 42 | 137.397 | 133.701 | -3.696 |
| 30 | 43 | 137.427 | 133.640 | -3.787 |
| 30 | 44 | 138.480 | 134.943 | -3.537 |
| 35 | 45 | 133.677 | 129.670 | -4.007 |
| 35 | 46 | 133.688 | 129.198 | -4.490 |
| 35 | 47 | 135.564 | 131.457 | -4.107 |
| 35 | 48 | 138.973 | 135.309 | -3.664 |
| 35 | 49 | 135.205 | 131.187 | -4.018 |
| 50 | 50 | 136.543 | 131.046 | -5.497 |
| 50 | 51 | 138.014 | 131.367 | -6.647 |
| 50 | 52 | 135.308 | 130.656 | -4.652 |
| 50 | 53 | 139.651 | 134.395 | -5.256 |
| 50 | 54 | 138.778 | 133.997 | -4.781 |
| 55 | 55 | 137.296 | 133.430 | -3.866 |
| 55 | 56 | 132.928 | 127.513 | -5.415 |
| 55 | 57 | 139.681 | 134.232 | -5.449 |
| 55 | 58 | 134.907 | 129.860 | -5.047 |
| 55 | 59 | 136.253 | 131.448 | -4.805 |
| 100 | 60 | 141.921 | 133.335 | -8.586 |
| 100 | 61 | 138.668 | 130.496 | -8.172 |
| 100 | 62 | 140.044 | 132.318 | -7.726 |
| 100 | 63 | 140.885 | 132.666 | -8.219 |
| 100 | 64 | 139.111 | 131.112 | -7.999 |
| 105 | 65 | 139.811 | 132.887 | -6.924 |
| 105 | 66 | 144.597 | 137.525 | -7.072 |
| 105 | 67 | 138.453 | 130.044 | -8.409 |
| 105 | 68 | 142.612 | 135.440 | -7.172 |
| 105 | 69 | 136.575 | 128.249 | -8.326 |
| | Max | 144.597 | 137.525 | -0.821 |
| | Average | 136.175 | 132.145 | -4.030 |
| | Min | 129.687 | 127.513 | -8.586 |
| | Std Dev | 3.197 | 2.274 | 2.307 |




| | 19.34_tsr_PWRGD_Fallin | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 128.351 | 130.188 | 131.222 | 130.063 | #### | 131.165 | #### | #### | 127.513 | #### | 128.249 |
| Average | 131.628 | 131.240 | 132.837 | 131.893 | #### | 133.903 | #### | #### | 131.297 | #### | 132.829 |
| Max | 135.270 | 132.596 | 135.370 | 133.323 | #### | 136.066 | #### | #### | 134.232 | #### | 137.525 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

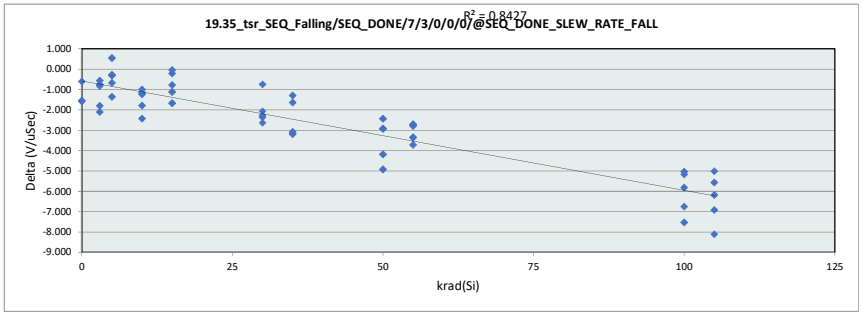


# TID HDR Report
# TPS7H3014-SP

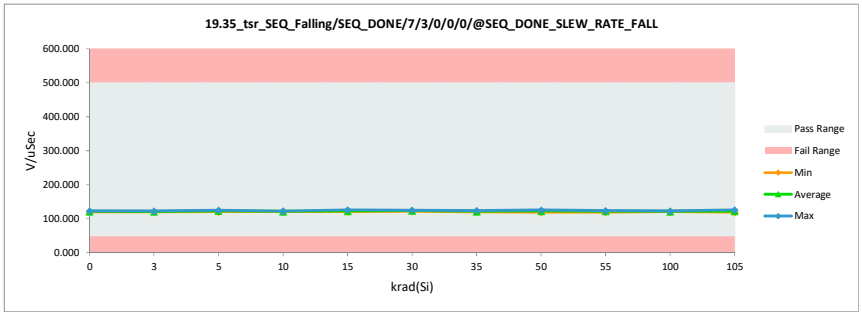
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.35_tsr_SEQ_Falling/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 122.107 | 121.518 | -0.589 |
| 0 | 14 | 121.950 | 120.380 | -1.570 |
| 0 | 15 | 124.695 | 123.167 | -1.528 |
| 3 | 20 | 121.946 | 121.203 | -0.743 |
| 3 | 21 | 123.216 | 122.671 | -0.545 |
| 3 | 22 | 123.025 | 120.940 | -2.085 |
| 3 | 23 | 121.958 | 120.178 | -1.780 |
| 3 | 24 | 121.627 | 120.819 | -0.808 |
| 5 | 25 | 123.487 | 122.832 | -0.655 |
| 5 | 26 | 123.884 | 124.444 | 0.560 |
| 5 | 27 | 120.762 | 120.479 | -0.283 |
| 5 | 28 | 125.425 | 125.153 | -0.272 |
| 5 | 29 | 124.684 | 123.342 | -1.342 |
| 10 | 30 | 124.227 | 122.449 | -1.778 |
| 10 | 31 | 123.191 | 122.040 | -1.151 |
| 10 | 32 | 123.077 | 121.855 | -1.222 |
| 10 | 33 | 121.503 | 120.518 | -0.985 |
| 10 | 34 | 123.479 | 121.066 | -2.413 |
| 15 | 35 | 122.116 | 121.353 | -0.763 |
| 15 | 36 | 122.054 | 121.861 | -0.193 |
| 15 | 37 | 121.010 | 120.981 | -0.029 |
| 15 | 38 | 124.228 | 122.578 | -1.650 |
| 15 | 39 | 126.993 | 125.887 | -1.106 |
| 30 | 40 | 125.931 | 125.201 | -0.730 |
| 30 | 41 | 124.604 | 121.988 | -2.616 |
| 30 | 42 | 126.190 | 123.931 | -2.259 |
| 30 | 43 | 126.617 | 124.565 | -2.052 |
| 30 | 44 | 126.143 | 123.800 | -2.343 |
| 35 | 45 | 123.211 | 120.032 | -3.179 |
| 35 | 46 | 122.567 | 120.948 | -1.619 |
| 35 | 47 | 123.007 | 121.730 | -1.277 |
| 35 | 48 | 127.349 | 124.288 | -3.061 |
| 35 | 49 | 124.343 | 121.212 | -3.131 |
| 50 | 50 | 125.045 | 122.138 | -2.907 |
| 50 | 51 | 124.811 | 122.387 | -2.424 |
| 50 | 52 | 124.115 | 119.213 | -4.902 |
| 50 | 53 | 128.249 | 124.077 | -4.172 |
| 50 | 54 | 128.493 | 125.587 | -2.906 |
| 55 | 55 | 126.974 | 123.630 | -3.344 |
| 55 | 56 | 121.748 | 119.059 | -2.689 |
| 55 | 57 | 126.545 | 123.218 | -3.327 |
| 55 | 58 | 125.417 | 121.715 | -3.702 |
| 55 | 59 | 124.913 | 122.137 | -2.776 |
| 100 | 60 | 128.621 | 122.823 | -5.798 |
| 100 | 61 | 128.578 | 121.840 | -6.738 |
| 100 | 62 | 129.081 | 121.566 | -7.515 |
| 100 | 63 | 127.345 | 122.324 | -5.021 |
| 100 | 64 | 125.940 | 120.792 | -5.148 |
| 105 | 65 | 128.055 | 121.157 | -6.898 |
| 105 | 66 | 132.242 | 126.079 | -6.163 |
| 105 | 67 | 125.271 | 120.272 | -4.999 |
| 105 | 68 | 130.228 | 124.673 | -5.555 |
| 105 | 69 | 126.918 | 118.822 | -8.096 |
| | Max | 132.242 | 126.079 | 0.560 |
| | Average | 124.890 | 122.244 | -2.647 |
| | Min | 120.762 | 118.822 | -8.096 |
| | Std Dev | 2.570 | 1.763 | 2.093 |




| | 19.35_tsr_SEQ_Falling/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 120.380 | 120.178 | 120.479 | 120.518 | #### | 121.988 | #### | #### | 119.059 | #### | 118.822 |
| Average | 121.688 | 121.162 | 123.250 | 121.586 | #### | 123.897 | #### | #### | 121.952 | #### | 122.201 |
| Max | 123.167 | 122.671 | 125.153 | 122.449 | #### | 125.201 | #### | #### | 123.630 | #### | 126.079 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

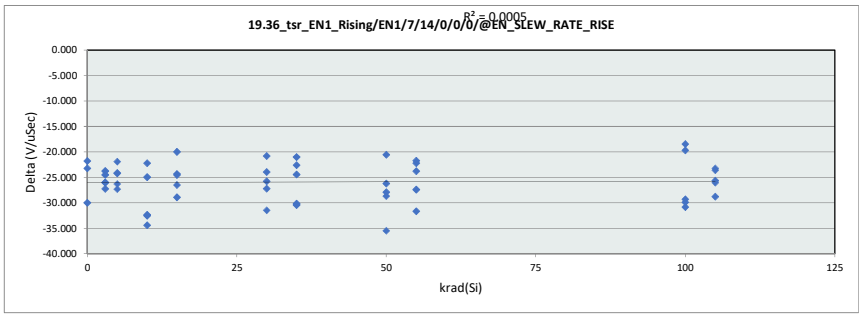


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

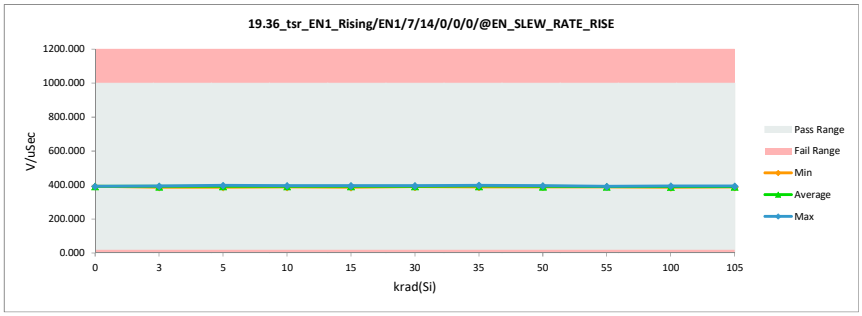
| | 19.36_tsr_EN1_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 423.187 | 393.255 | -29.932 |
| 0 | 14 | 415.772 | 392.587 | -23.185 |
| 0 | 15 | 414.459 | 392.729 | -21.730 |
| 3 | 20 | 418.004 | 394.297 | -23.707 |
| 3 | 21 | 419.794 | 393.804 | -25.990 |
| 3 | 22 | 416.042 | 391.603 | -24.439 |
| 3 | 23 | 414.714 | 387.529 | -27.185 |
| 3 | 24 | 419.575 | 393.622 | -25.953 |
| 5 | 25 | 420.750 | 393.499 | -27.251 |
| 5 | 26 | 414.407 | 390.228 | -24.179 |
| 5 | 27 | 420.258 | 398.411 | -21.847 |
| 5 | 28 | 421.092 | 396.990 | -24.102 |
| 5 | 29 | 412.931 | 386.693 | -26.238 |
| 10 | 30 | 421.473 | 388.996 | -32.477 |
| 10 | 31 | 418.921 | 396.761 | -22.160 |
| 10 | 32 | 420.932 | 388.593 | -32.339 |
| 10 | 33 | 420.087 | 395.168 | -24.919 |
| 10 | 34 | 427.888 | 393.547 | -34.341 |
| 15 | 35 | 415.933 | 387.072 | -28.861 |
| 15 | 36 | 422.543 | 396.105 | -26.438 |
| 15 | 37 | 420.527 | 396.247 | -24.280 |
| 15 | 38 | 416.207 | 396.286 | -19.921 |
| 15 | 39 | 414.483 | 390.002 | -24.481 |
| 30 | 40 | 421.788 | 390.370 | -31.418 |
| 30 | 41 | 418.583 | 391.428 | -27.155 |
| 30 | 42 | 418.877 | 393.142 | -25.735 |
| 30 | 43 | 414.611 | 393.871 | -20.740 |
| 30 | 44 | 420.119 | 396.217 | -23.902 |
| 35 | 45 | 414.190 | 393.233 | -20.957 |
| 35 | 46 | 414.342 | 391.786 | -22.556 |
| 35 | 47 | 425.099 | 394.734 | -30.365 |
| 35 | 48 | 419.083 | 388.996 | -30.087 |
| 35 | 49 | 423.124 | 398.754 | -24.370 |
| 50 | 50 | 416.440 | 395.943 | -20.497 |
| 50 | 51 | 422.701 | 394.074 | -28.627 |
| 50 | 52 | 417.129 | 390.971 | -26.158 |
| 50 | 53 | 416.724 | 388.890 | -27.834 |
| 50 | 54 | 428.066 | 392.645 | -35.421 |
| 55 | 55 | 410.503 | 388.850 | -21.653 |
| 55 | 56 | 417.588 | 390.218 | -27.370 |
| 55 | 57 | 414.599 | 392.428 | -22.171 |
| 55 | 58 | 414.471 | 390.759 | -23.712 |
| 55 | 59 | 422.417 | 390.811 | -31.606 |
| 100 | 60 | 420.723 | 390.883 | -29.840 |
| 100 | 61 | 410.483 | 390.835 | -19.648 |
| 100 | 62 | 413.502 | 395.122 | -18.380 |
| 100 | 63 | 419.975 | 389.190 | -30.785 |
| 100 | 64 | 415.767 | 386.520 | -29.247 |
| 105 | 65 | 417.038 | 393.507 | -23.531 |
| 105 | 66 | 414.210 | 388.230 | -25.980 |
| 105 | 67 | 413.082 | 389.927 | -23.155 |
| 105 | 68 | 419.391 | 393.816 | -25.575 |
| 105 | 69 | 418.901 | 390.176 | -28.725 |
| | Max | 428.066 | 398.754 | -18.380 |
| | Average | 418.179 | 392.271 | -25.909 |
| | Min | 410.483 | 386.520 | -35.421 |
| | Std Dev | 3.910 | 3.041 | 3.929 |




| | 19.36_tsr_EN1_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 392.587 | 387.529 | 386.693 | 388.593 | #### | 390.370 | #### | #### | 388.850 | #### | 388.230 |
| Average | 392.857 | 392.171 | 393.164 | 392.613 | #### | 393.006 | #### | #### | 390.613 | #### | 391.131 |
| Max | 393.255 | 394.297 | 398.411 | 396.761 | #### | 396.217 | #### | #### | 392.428 | #### | 393.816 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

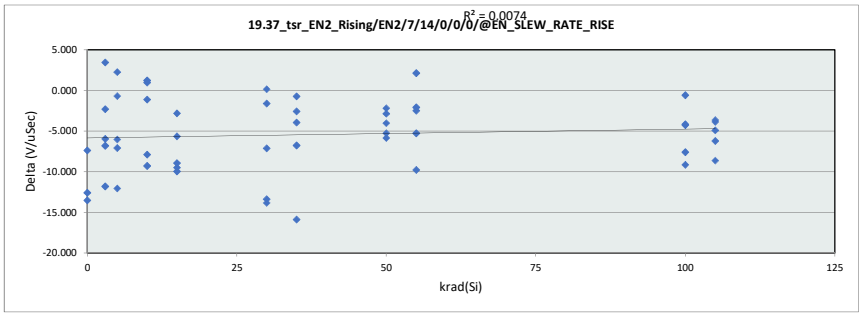


# TID HDR Report
# TPS7H3014-SP

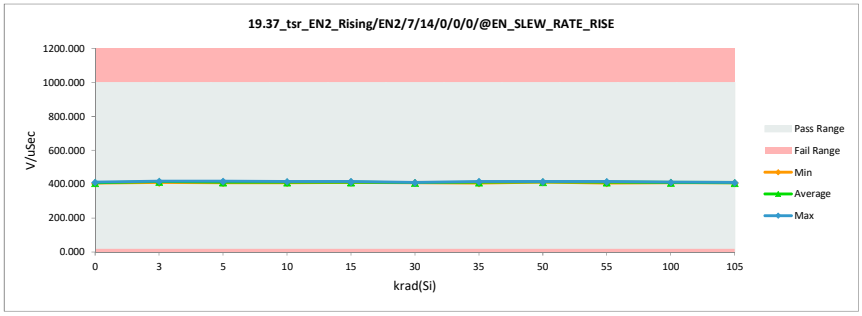
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.37_tsr_EN2_Rising/EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | V/uSec |
| Max Limit | 1000 |
| Min Limit | 17 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 420.406 | 413.049 | -7.357 |
| 0 | 14 | 419.520 | 406.949 | -12.571 |
| 0 | 15 | 422.124 | 408.622 | -13.502 |
| 3 | 20 | 417.898 | 415.608 | -2.290 |
| 3 | 21 | 424.315 | 418.379 | -5.936 |
| 3 | 22 | 415.494 | 418.958 | 3.464 |
| 3 | 23 | 417.102 | 410.305 | -6.797 |
| 3 | 24 | 426.664 | 414.891 | -11.773 |
| 5 | 25 | 418.705 | 412.689 | -6.016 |
| 5 | 26 | 414.294 | 413.619 | -0.675 |
| 5 | 27 | 415.376 | 417.651 | 2.275 |
| 5 | 28 | 420.243 | 413.188 | -7.055 |
| 5 | 29 | 421.528 | 409.503 | -12.025 |
| 10 | 30 | 413.904 | 412.800 | -1.104 |
| 10 | 31 | 416.935 | 409.064 | -7.871 |
| 10 | 32 | 411.374 | 412.630 | 1.256 |
| 10 | 33 | 423.459 | 414.183 | -9.276 |
| 10 | 34 | 416.316 | 417.302 | 0.986 |
| 15 | 35 | 422.587 | 412.643 | -9.944 |
| 15 | 36 | 414.920 | 412.111 | -2.809 |
| 15 | 37 | 421.116 | 411.652 | -9.464 |
| 15 | 38 | 424.772 | 415.855 | -8.917 |
| 15 | 39 | 417.134 | 411.517 | -5.617 |
| 30 | 40 | 418.181 | 411.084 | -7.097 |
| 30 | 41 | 409.271 | 409.440 | 0.169 |
| 30 | 42 | 422.052 | 408.694 | -13.358 |
| 30 | 43 | 424.052 | 410.251 | -13.801 |
| 30 | 44 | 412.026 | 410.434 | -1.592 |
| 35 | 45 | 423.229 | 407.373 | -15.856 |
| 35 | 46 | 415.359 | 411.428 | -3.931 |
| 35 | 47 | 417.953 | 417.241 | -0.712 |
| 35 | 48 | 414.736 | 407.996 | -6.740 |
| 35 | 49 | 416.845 | 414.290 | -2.555 |
| 50 | 50 | 418.000 | 413.985 | -4.015 |
| 50 | 51 | 418.707 | 412.883 | -5.824 |
| 50 | 52 | 416.092 | 413.257 | -2.835 |
| 50 | 53 | 418.846 | 413.616 | -5.230 |
| 50 | 54 | 418.489 | 416.323 | -2.166 |
| 55 | 55 | 417.808 | 412.557 | -5.251 |
| 55 | 56 | 416.134 | 414.081 | -2.053 |
| 55 | 57 | 412.262 | 414.418 | 2.156 |
| 55 | 58 | 416.619 | 406.860 | -9.759 |
| 55 | 59 | 418.132 | 415.665 | -2.467 |
| 100 | 60 | 414.103 | 409.853 | -4.250 |
| 100 | 61 | 412.910 | 408.769 | -4.141 |
| 100 | 62 | 416.899 | 409.339 | -7.560 |
| 100 | 63 | 413.092 | 412.526 | -0.566 |
| 100 | 64 | 422.502 | 413.370 | -9.132 |
| 105 | 65 | 413.749 | 408.872 | -4.877 |
| 105 | 66 | 413.194 | 409.346 | -3.848 |
| 105 | 67 | 415.762 | 409.571 | -6.191 |
| 105 | 68 | 414.541 | 410.916 | -3.625 |
| 105 | 69 | 416.961 | 408.347 | -8.614 |
| | Max | 426.664 | 418.958 | 3.464 |
| | Average | 417.636 | 412.188 | -5.448 |
| | Min | 409.271 | 406.860 | -15.856 |
| | Std Dev | 3.825 | 3.051 | 4.522 |




| | 19.37_tsr_EN2_Rising/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 406.949 | 410.305 | 409.503 | 409.064 | #### | 408.694 | #### | #### | 406.860 | #### | 408.347 |
| Average | 409.540 | 415.628 | 413.330 | 413.196 | #### | 409.981 | #### | #### | 412.716 | #### | 409.410 |
| Max | 413.049 | 418.958 | 417.651 | 417.302 | #### | 411.084 | #### | #### | 415.665 | #### | 410.916 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

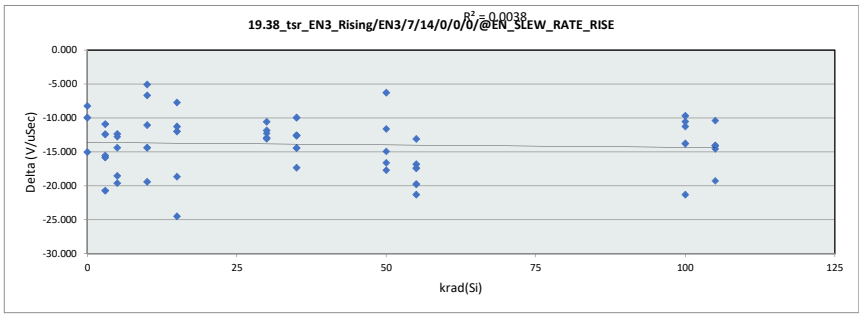


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

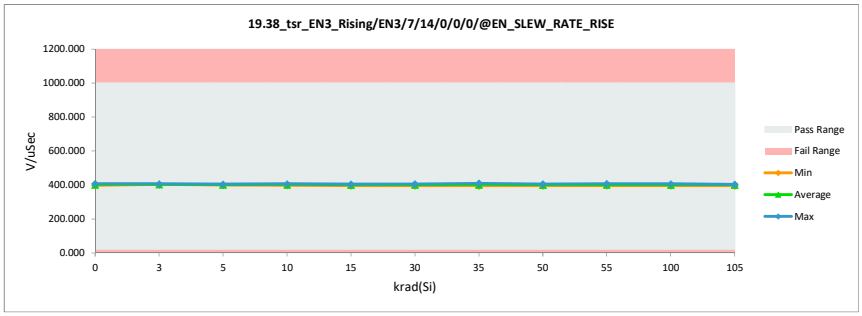
| | 19.38_tsr_EN3_Rising/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 419.225 | 404.237 | -14.988 |
| 0 | 14 | 408.696 | 398.799 | -9.897 |
| 0 | 15 | 416.226 | 408.032 | -8.194 |
| 3 | 20 | 418.918 | 403.138 | -15.780 |
| 3 | 21 | 423.178 | 407.690 | -15.488 |
| 3 | 22 | 424.326 | 403.659 | -20.667 |
| 3 | 23 | 415.342 | 402.988 | -12.354 |
| 3 | 24 | 415.320 | 404.452 | -10.868 |
| 5 | 25 | 421.576 | 402.016 | -19.560 |
| 5 | 26 | 412.225 | 399.919 | -12.306 |
| 5 | 27 | 418.289 | 405.560 | -12.729 |
| 5 | 28 | 422.513 | 404.017 | -18.496 |
| 5 | 29 | 416.706 | 402.360 | -14.346 |
| 10 | 30 | 416.742 | 397.380 | -19.362 |
| 10 | 31 | 413.635 | 407.013 | -6.622 |
| 10 | 32 | 413.760 | 402.759 | -11.001 |
| 10 | 33 | 408.843 | 403.830 | -5.013 |
| 10 | 34 | 420.779 | 406.429 | -14.350 |
| 15 | 35 | 408.481 | 400.809 | -7.672 |
| 15 | 36 | 420.751 | 396.291 | -24.460 |
| 15 | 37 | 421.864 | 403.245 | -18.619 |
| 15 | 38 | 417.810 | 405.876 | -11.934 |
| 15 | 39 | 413.537 | 402.306 | -11.231 |
| 30 | 40 | 419.203 | 406.183 | -13.020 |
| 30 | 41 | 417.728 | 405.936 | -11.792 |
| 30 | 42 | 417.068 | 404.829 | -12.239 |
| 30 | 43 | 409.537 | 396.674 | -12.863 |
| 30 | 44 | 410.371 | 399.858 | -10.513 |
| 35 | 45 | 417.445 | 404.924 | -12.521 |
| 35 | 46 | 410.001 | 395.607 | -14.394 |
| 35 | 47 | 420.546 | 410.629 | -9.917 |
| 35 | 48 | 418.660 | 406.097 | -12.563 |
| 35 | 49 | 418.286 | 401.006 | -17.280 |
| 50 | 50 | 417.307 | 402.415 | -14.892 |
| 50 | 51 | 416.697 | 400.117 | -16.580 |
| 50 | 52 | 413.796 | 396.133 | -17.663 |
| 50 | 53 | 410.772 | 399.196 | -11.576 |
| 50 | 54 | 412.324 | 406.110 | -6.214 |
| 55 | 55 | 418.821 | 401.471 | -17.350 |
| 55 | 56 | 416.068 | 396.348 | -19.720 |
| 55 | 57 | 425.984 | 404.719 | -21.265 |
| 55 | 58 | 420.063 | 403.296 | -16.767 |
| 55 | 59 | 421.670 | 408.618 | -13.052 |
| 100 | 60 | 416.871 | 407.240 | -9.631 |
| 100 | 61 | 413.258 | 399.533 | -13.725 |
| 100 | 62 | 418.159 | 396.897 | -21.262 |
| 100 | 63 | 414.067 | 402.873 | -11.194 |
| 100 | 64 | 409.532 | 399.045 | -10.487 |
| 105 | 65 | 414.885 | 395.663 | -19.222 |
| 105 | 66 | 411.731 | 401.385 | -10.346 |
| 105 | 67 | 416.208 | 401.698 | -14.510 |
| 105 | 68 | 417.526 | 403.470 | -14.056 |
| 105 | 69 | 418.241 | 404.237 | -14.004 |
| | Max | 425.984 | 410.629 | -5.013 |
| | Average | 416.445 | 402.547 | -13.897 |
| | Min | 408.481 | 395.607 | -24.460 |
| | Std Dev | 4.237 | 3.673 | 4.171 |




| | 19.38_tsr_EN3_Rising/E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 398.799 | 402.988 | 399.919 | 397.380 | #### | 396.674 | #### | #### | 396.348 | #### | 395.663 |
| Average | 403.689 | 404.385 | 402.774 | 403.482 | #### | 402.696 | #### | #### | 402.890 | #### | 401.291 |
| Max | 408.032 | 407.690 | 405.560 | 407.013 | #### | 406.183 | #### | #### | 408.618 | #### | 404.237 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

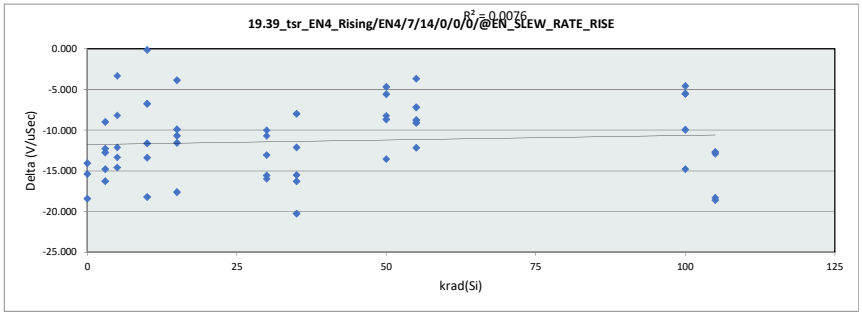


# TID HDR Report
# TPS7H3014-SP

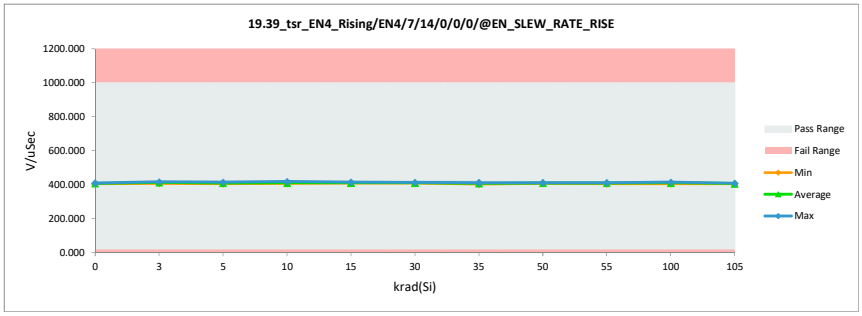
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.39_tsr_EN4_Rising/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 424.305 | 405.934 | -18.371 |
| 0 | 14 | 421.174 | 407.151 | -14.023 |
| 0 | 15 | 425.915 | 410.576 | -15.339 |
| 3 | 20 | 426.806 | 410.577 | -16.229 |
| 3 | 21 | 429.637 | 416.916 | -12.721 |
| 3 | 22 | 428.659 | 413.904 | -14.755 |
| 3 | 23 | 420.769 | 408.535 | -12.234 |
| 3 | 24 | 422.796 | 413.846 | -8.950 |
| 5 | 25 | 419.561 | 406.263 | -13.298 |
| 5 | 26 | 422.952 | 408.408 | -14.544 |
| 5 | 27 | 421.142 | 412.991 | -8.151 |
| 5 | 28 | 418.025 | 414.741 | -3.284 |
| 5 | 29 | 420.195 | 408.120 | -12.075 |
| 10 | 30 | 420.651 | 409.071 | -11.580 |
| 10 | 31 | 429.131 | 410.962 | -18.169 |
| 10 | 32 | 415.448 | 408.728 | -6.720 |
| 10 | 33 | 421.765 | 408.413 | -13.352 |
| 10 | 34 | 418.650 | 418.551 | -0.099 |
| 15 | 35 | 423.169 | 411.645 | -11.524 |
| 15 | 36 | 419.495 | 409.621 | -9.874 |
| 15 | 37 | 428.299 | 410.724 | -17.575 |
| 15 | 38 | 422.168 | 411.527 | -10.641 |
| 15 | 39 | 418.504 | 414.680 | -3.824 |
| 30 | 40 | 423.014 | 413.041 | -9.973 |
| 30 | 41 | 421.536 | 410.877 | -10.659 |
| 30 | 42 | 424.360 | 408.818 | -15.542 |
| 30 | 43 | 425.739 | 409.794 | -15.945 |
| 30 | 44 | 424.962 | 411.944 | -13.018 |
| 35 | 45 | 420.256 | 404.016 | -16.240 |
| 35 | 46 | 416.361 | 408.420 | -7.941 |
| 35 | 47 | 424.537 | 412.465 | -12.072 |
| 35 | 48 | 423.421 | 407.956 | -15.465 |
| 35 | 49 | 427.209 | 407.004 | -20.205 |
| 50 | 50 | 415.420 | 410.776 | -4.644 |
| 50 | 51 | 415.156 | 409.608 | -5.548 |
| 50 | 52 | 417.192 | 408.546 | -8.646 |
| 50 | 53 | 417.484 | 409.278 | -8.206 |
| 50 | 54 | 425.315 | 411.796 | -13.519 |
| 55 | 55 | 418.117 | 405.998 | -12.119 |
| 55 | 56 | 415.972 | 412.340 | -3.632 |
| 55 | 57 | 419.930 | 411.212 | -8.718 |
| 55 | 58 | 420.938 | 411.871 | -9.067 |
| 55 | 59 | 416.096 | 408.942 | -7.154 |
| 100 | 60 | 420.609 | 415.139 | -5.470 |
| 100 | 61 | 411.727 | 406.238 | -5.489 |
| 100 | 62 | 418.406 | 408.497 | -9.909 |
| 100 | 63 | 419.222 | 414.680 | -4.542 |
| 100 | 64 | 424.154 | 409.400 | -14.754 |
| 105 | 65 | 426.618 | 408.359 | -18.259 |
| 105 | 66 | 420.520 | 407.850 | -12.670 |
| 105 | 67 | 423.919 | 405.371 | -18.548 |
| 105 | 68 | 418.983 | 406.359 | -12.624 |
| 105 | 69 | 421.747 | 408.862 | -12.885 |
| | Max | 429.637 | 418.551 | -0.099 |
| | Average | 421.474 | 410.139 | -11.336 |
| | Min | 411.727 | 404.016 | -20.205 |
| | Std Dev | 4.003 | 3.031 | 4.605 |




| | 19.39_tsr_EN4_Rising/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 405.934 | 408.535 | 406.263 | 408.413 | #### | 408.818 | #### | #### | 405.998 | #### | 405.371 |
| Average | 407.887 | 412.756 | 410.105 | 411.145 | #### | 410.895 | #### | #### | 410.073 | #### | 407.360 |
| Max | 410.576 | 416.916 | 414.741 | 418.551 | #### | 413.041 | #### | #### | 412.340 | #### | 408.862 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

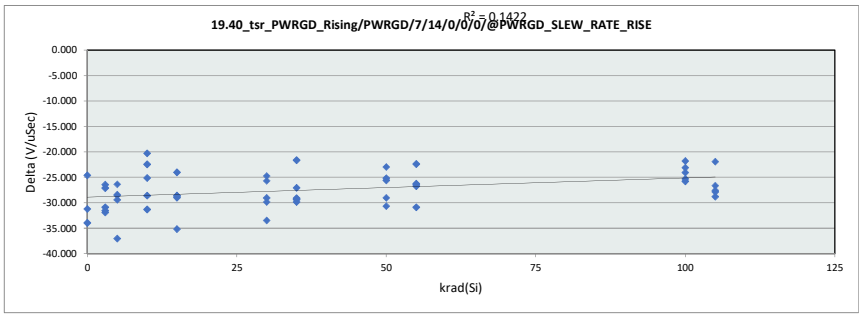


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

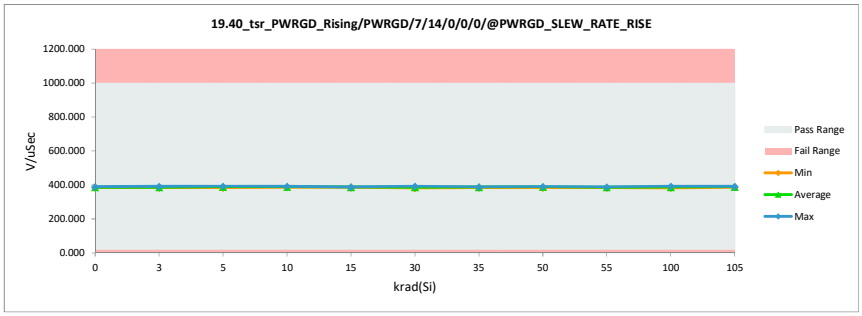
| | 19.40_tsr_PWRGD_Rising | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 419.080 | 385.184 | -33.896 |
| 0 | 14 | 412.838 | 388.300 | -24.538 |
| 0 | 15 | 421.425 | 390.291 | -31.134 |
| 3 | 20 | 419.899 | 392.893 | -27.006 |
| 3 | 21 | 413.165 | 386.812 | -26.353 |
| 3 | 22 | 417.953 | 386.143 | -31.810 |
| 3 | 23 | 415.142 | 384.324 | -30.818 |
| 3 | 24 | 419.613 | 388.135 | -31.478 |
| 5 | 25 | 417.907 | 388.562 | -29.345 |
| 5 | 26 | 417.151 | 388.661 | -28.490 |
| 5 | 27 | 421.415 | 384.463 | -36.952 |
| 5 | 28 | 421.311 | 392.993 | -28.318 |
| 5 | 29 | 417.916 | 391.621 | -26.295 |
| 10 | 30 | 416.489 | 391.429 | -25.060 |
| 10 | 31 | 417.107 | 388.573 | -28.534 |
| 10 | 32 | 418.369 | 387.142 | -31.227 |
| 10 | 33 | 410.735 | 388.366 | -22.369 |
| 10 | 34 | 413.130 | 392.929 | -20.201 |
| 15 | 35 | 421.732 | 386.651 | -35.081 |
| 15 | 36 | 412.968 | 389.029 | -23.939 |
| 15 | 37 | 418.152 | 389.232 | -28.920 |
| 15 | 38 | 416.412 | 387.920 | -28.492 |
| 15 | 39 | 417.652 | 389.081 | -28.571 |
| 30 | 40 | 417.061 | 388.080 | -28.981 |
| 30 | 41 | 414.535 | 384.756 | -29.779 |
| 30 | 42 | 416.437 | 383.056 | -33.381 |
| 30 | 43 | 419.329 | 393.735 | -25.594 |
| 30 | 44 | 414.711 | 390.036 | -24.675 |
| 35 | 45 | 415.698 | 385.927 | -29.771 |
| 35 | 46 | 413.762 | 386.773 | -26.989 |
| 35 | 47 | 410.671 | 389.129 | -21.542 |
| 35 | 48 | 418.694 | 389.655 | -29.039 |
| 35 | 49 | 419.031 | 389.763 | -29.268 |
| 50 | 50 | 415.313 | 384.735 | -30.578 |
| 50 | 51 | 419.443 | 390.510 | -28.933 |
| 50 | 52 | 413.653 | 388.138 | -25.515 |
| 50 | 53 | 413.818 | 390.930 | -22.888 |
| 50 | 54 | 416.263 | 391.174 | -25.089 |
| 55 | 55 | 417.674 | 386.851 | -30.823 |
| 55 | 56 | 411.560 | 385.383 | -26.177 |
| 55 | 57 | 415.320 | 388.675 | -26.645 |
| 55 | 58 | 411.070 | 384.785 | -26.285 |
| 55 | 59 | 412.138 | 389.840 | -22.298 |
| 100 | 60 | 416.988 | 393.029 | -23.959 |
| 100 | 61 | 406.752 | 383.720 | -23.032 |
| 100 | 62 | 411.311 | 389.592 | -21.719 |
| 100 | 63 | 415.891 | 390.190 | -25.701 |
| 100 | 64 | 410.144 | 384.916 | -25.228 |
| 105 | 65 | 418.661 | 392.110 | -26.551 |
| 105 | 66 | 410.073 | 388.218 | -21.855 |
| 105 | 67 | 415.980 | 387.262 | -28.718 |
| 105 | 68 | 418.160 | 390.385 | -27.775 |
| 105 | 69 | 416.284 | 388.768 | -27.516 |
| | Max | 421.732 | 393.735 | -20.201 |
| | Average | 415.924 | 388.469 | -27.455 |
| | Min | 406.752 | 383.056 | -36.952 |
| | Std Dev | 3.366 | 2.650 | 3.599 |




| | 19.40_tsr_PWRGD_Rising | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1000 | V/uSec |
| Min Limit | 19 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 385.184 | 384.324 | 384.463 | 387.142 | #### | 383.056 | #### | #### | 384.785 | #### | 387.262 |
| Average | 387.925 | 387.661 | 389.260 | 389.688 | #### | 387.933 | #### | #### | 387.107 | #### | 389.349 |
| Max | 390.291 | 392.893 | 392.993 | 392.929 | #### | 393.735 | #### | #### | 389.840 | #### | 392.110 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

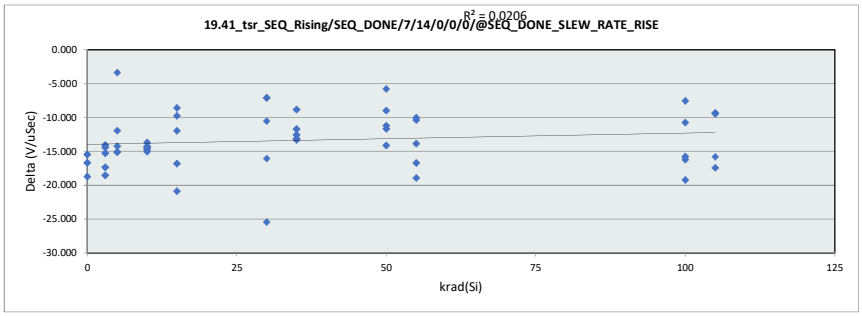


# TID HDR Report
# TPS7H3014-SP

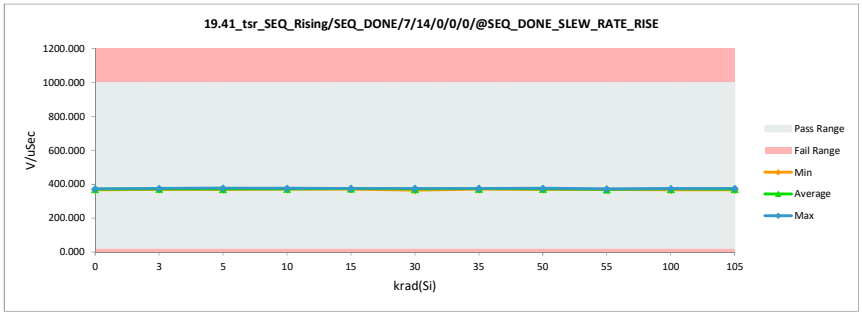
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.41_tsr_SEQ_Rising/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 1000 | 1000 |
| Min Limit | 17 | 19 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 389.236 | 372.587 | -16.649 |
| 0 | 14 | 385.988 | 367.312 | -18.676 |
| 0 | 15 | 389.439 | 374.015 | -15.424 |
| 3 | 20 | 389.311 | 375.271 | -14.040 |
| 3 | 21 | 391.572 | 376.355 | -15.217 |
| 3 | 22 | 387.195 | 372.824 | -14.371 |
| 3 | 23 | 388.001 | 369.506 | -18.495 |
| 3 | 24 | 391.384 | 374.066 | -17.318 |
| 5 | 25 | 384.665 | 369.571 | -15.094 |
| 5 | 26 | 385.466 | 373.567 | -11.899 |
| 5 | 27 | 381.362 | 378.037 | -3.325 |
| 5 | 28 | 384.653 | 369.630 | -15.023 |
| 5 | 29 | 384.121 | 369.922 | -14.199 |
| 10 | 30 | 386.737 | 371.741 | -14.996 |
| 10 | 31 | 385.864 | 371.217 | -14.647 |
| 10 | 32 | 384.603 | 370.379 | -14.224 |
| 10 | 33 | 389.583 | 375.223 | -14.360 |
| 10 | 34 | 390.540 | 376.905 | -13.635 |
| 15 | 35 | 386.263 | 376.548 | -9.715 |
| 15 | 36 | 384.955 | 376.409 | -8.546 |
| 15 | 37 | 388.096 | 376.172 | -11.924 |
| 15 | 38 | 395.100 | 374.271 | -20.829 |
| 15 | 39 | 387.868 | 371.099 | -16.769 |
| 30 | 40 | 390.656 | 365.277 | -25.379 |
| 30 | 41 | 383.032 | 375.994 | -7.038 |
| 30 | 42 | 384.876 | 374.387 | -10.489 |
| 30 | 43 | 381.728 | 374.666 | -7.062 |
| 30 | 44 | 386.423 | 370.429 | -15.994 |
| 35 | 45 | 388.242 | 375.171 | -13.071 |
| 35 | 46 | 382.933 | 370.426 | -12.507 |
| 35 | 47 | 383.513 | 374.723 | -8.790 |
| 35 | 48 | 386.369 | 373.105 | -13.264 |
| 35 | 49 | 388.027 | 376.356 | -11.671 |
| 50 | 50 | 382.953 | 368.876 | -14.077 |
| 50 | 51 | 386.711 | 375.071 | -11.640 |
| 50 | 52 | 382.952 | 374.016 | -8.936 |
| 50 | 53 | 383.826 | 372.653 | -11.173 |
| 50 | 54 | 383.252 | 377.504 | -5.748 |
| 55 | 55 | 385.433 | 368.760 | -16.673 |
| 55 | 56 | 378.848 | 368.857 | -9.991 |
| 55 | 57 | 387.386 | 373.560 | -13.826 |
| 55 | 58 | 379.577 | 369.244 | -10.333 |
| 55 | 59 | 389.884 | 371.014 | -18.870 |
| 100 | 60 | 390.863 | 371.697 | -19.166 |
| 100 | 61 | 382.511 | 366.343 | -16.168 |
| 100 | 62 | 390.611 | 374.870 | -15.741 |
| 100 | 63 | 384.216 | 373.525 | -10.691 |
| 100 | 64 | 381.746 | 374.243 | -7.503 |
| 105 | 65 | 382.114 | 372.794 | -9.320 |
| 105 | 66 | 385.498 | 376.232 | -9.266 |
| 105 | 67 | 385.066 | 369.305 | -15.761 |
| 105 | 68 | 384.936 | 367.555 | -17.381 |
| 105 | 69 | 379.612 | 370.190 | -9.422 |
| | Max | 395.100 | 378.037 | -3.325 |
| | Average | 385.958 | 372.632 | -13.327 |
| | Min | 378.848 | 365.277 | -25.379 |
| | Std Dev | 3.420 | 3.102 | 4.120 |




| | 19.41_tsr_SEQ_Rising/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1000 | V/uSec | | | | | | | | | |
| Min Limit | 19 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 | 19.000 |
| Min | 367.312 | 369.506 | 369.571 | 370.379 | #### | 365.277 | #### | #### | 368.760 | #### | 367.555 |
| Average | 371.305 | 373.604 | 372.145 | 373.093 | #### | 372.151 | #### | #### | 370.287 | #### | 371.215 |
| Max | 374.015 | 376.355 | 378.037 | 376.905 | #### | 375.994 | #### | #### | 373.560 | #### | 376.232 |
| UL | 1000.000 | 1000.000 | ##### | ##### | #### | ##### | #### | #### | ##### | #### | 1000.000 |

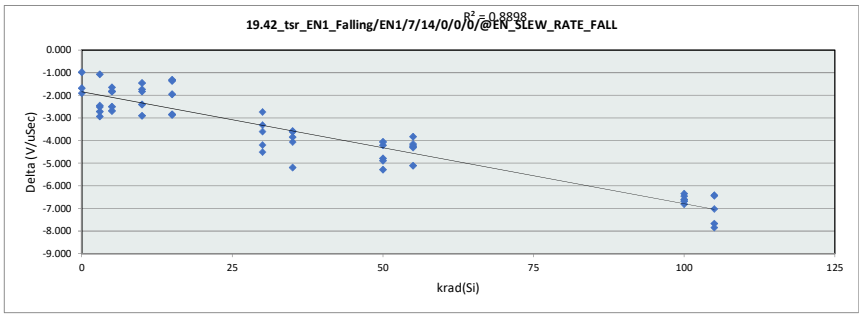


# TID HDR Report
# TPS7H3014-SP

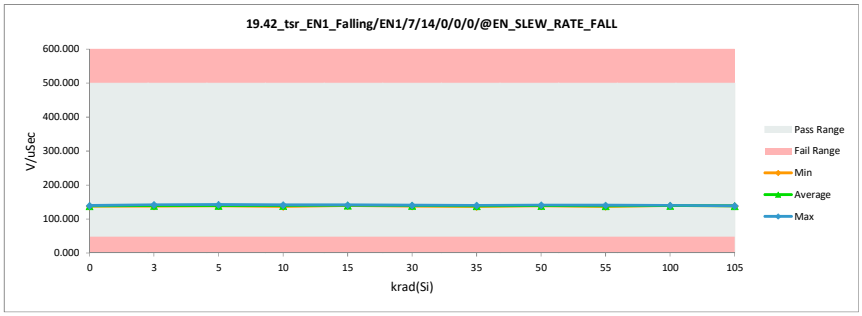
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.42_tsr_EN1_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 138.559 | 137.602 | -0.957 |
| 0 | 14 | 141.358 | 139.690 | -1.668 |
| 0 | 15 | 139.546 | 137.660 | -1.886 |
| 3 | 20 | 143.026 | 141.972 | -1.054 |
| 3 | 21 | 140.782 | 137.867 | -2.915 |
| 3 | 22 | 141.174 | 138.473 | -2.701 |
| 3 | 23 | 140.288 | 137.850 | -2.438 |
| 3 | 24 | 143.905 | 141.404 | -2.501 |
| 5 | 25 | 141.415 | 138.743 | -2.672 |
| 5 | 26 | 141.774 | 139.282 | -2.492 |
| 5 | 27 | 144.353 | 142.552 | -1.801 |
| 5 | 28 | 140.513 | 138.692 | -1.821 |
| 5 | 29 | 141.056 | 139.427 | -1.629 |
| 10 | 30 | 140.890 | 138.001 | -2.889 |
| 10 | 31 | 141.109 | 139.671 | -1.438 |
| 10 | 32 | 143.612 | 141.897 | -1.715 |
| 10 | 33 | 138.658 | 136.846 | -1.812 |
| 10 | 34 | 142.125 | 139.738 | -2.387 |
| 15 | 35 | 140.731 | 139.388 | -1.343 |
| 15 | 36 | 142.836 | 140.006 | -2.830 |
| 15 | 37 | 142.251 | 140.311 | -1.940 |
| 15 | 38 | 143.222 | 141.921 | -1.301 |
| 15 | 39 | 142.332 | 139.486 | -2.846 |
| 30 | 40 | 143.303 | 140.002 | -3.301 |
| 30 | 41 | 143.684 | 140.096 | -3.588 |
| 30 | 42 | 143.397 | 140.680 | -2.717 |
| 30 | 43 | 144.873 | 140.689 | -4.184 |
| 30 | 44 | 142.243 | 137.753 | -4.490 |
| 35 | 45 | 142.478 | 137.304 | -5.174 |
| 35 | 46 | 143.558 | 139.509 | -4.049 |
| 35 | 47 | 142.940 | 139.375 | -3.565 |
| 35 | 48 | 140.189 | 136.360 | -3.829 |
| 35 | 49 | 144.015 | 140.413 | -3.602 |
| 50 | 50 | 143.612 | 139.569 | -4.043 |
| 50 | 51 | 143.400 | 138.125 | -5.275 |
| 50 | 52 | 143.055 | 138.866 | -4.189 |
| 50 | 53 | 143.418 | 138.543 | -4.875 |
| 50 | 54 | 145.931 | 141.163 | -4.768 |
| 55 | 55 | 144.682 | 140.542 | -4.140 |
| 55 | 56 | 143.503 | 139.212 | -4.291 |
| 55 | 57 | 144.143 | 139.046 | -5.097 |
| 55 | 58 | 140.574 | 136.757 | -3.817 |
| 55 | 59 | 142.610 | 138.384 | -4.226 |
| 100 | 60 | 145.597 | 139.265 | -6.332 |
| 100 | 61 | 146.809 | 140.149 | -6.660 |
| 100 | 62 | 146.976 | 140.384 | -6.592 |
| 100 | 63 | 145.915 | 139.477 | -6.438 |
| 100 | 64 | 145.884 | 139.089 | -6.795 |
| 105 | 65 | 145.859 | 138.853 | -7.006 |
| 105 | 66 | 145.503 | 139.077 | -6.426 |
| 105 | 67 | 146.091 | 138.260 | -7.831 |
| 105 | 68 | 146.033 | 138.381 | -7.652 |
| 105 | 69 | 145.065 | 138.671 | -6.394 |
| | Max | 146.976 | 142.552 | -0.957 |
| | Average | 143.035 | 139.292 | -3.743 |
| | Min | 138.559 | 136.360 | -7.831 |
| | Std Dev | 2.085 | 1.366 | 1.877 |




| | 19.42_tsr_EN1_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 137.602 | 137.850 | 138.692 | 136.846 | #### | 137.753 | #### | #### | 136.757 | #### | 138.260 |
| Average | 138.317 | 139.513 | 139.739 | 139.231 | #### | 139.844 | #### | #### | 138.788 | #### | 138.648 |
| Max | 139.690 | 141.972 | 142.552 | 141.897 | #### | 140.689 | #### | #### | 140.542 | #### | 139.077 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

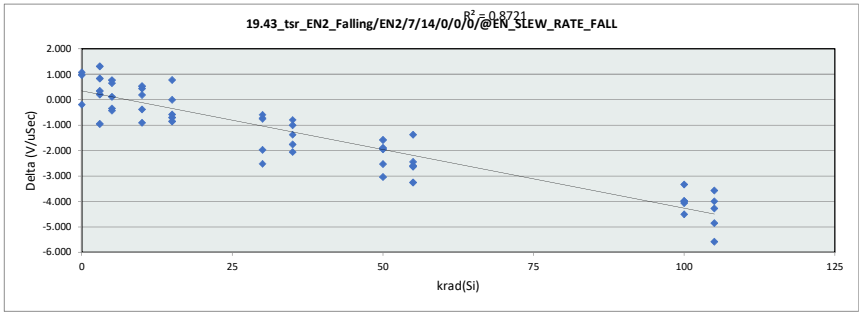


# TID HDR Report
# TPS7H3014-SP

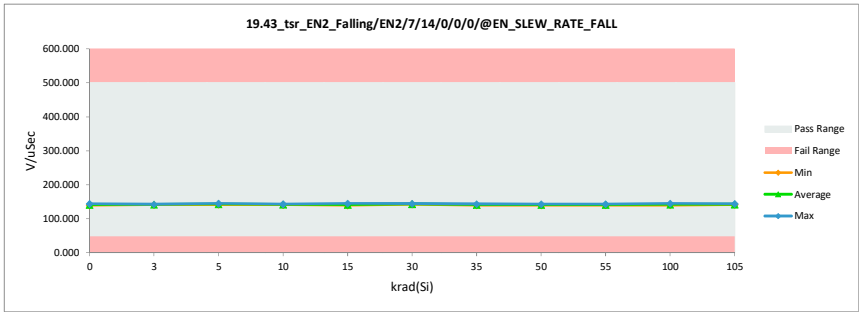
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.43_tsr_EN2_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 140.355 | 140.174 | -0.181 |
| 0 | 14 | 139.626 | 140.611 | 0.985 |
| 0 | 15 | 142.947 | 144.034 | 1.087 |
| 3 | 20 | 140.993 | 141.211 | 0.218 |
| 3 | 21 | 140.607 | 141.930 | 1.323 |
| 3 | 22 | 143.752 | 142.810 | -0.942 |
| 3 | 23 | 141.311 | 142.154 | 0.843 |
| 3 | 24 | 141.487 | 141.844 | 0.357 |
| 5 | 25 | 142.746 | 142.413 | -0.333 |
| 5 | 26 | 142.586 | 143.364 | 0.778 |
| 5 | 27 | 142.661 | 142.787 | 0.126 |
| 5 | 28 | 144.327 | 144.991 | 0.664 |
| 5 | 29 | 142.278 | 141.860 | -0.418 |
| 10 | 30 | 142.054 | 142.249 | 0.195 |
| 10 | 31 | 141.509 | 141.137 | -0.372 |
| 10 | 32 | 142.333 | 142.875 | 0.542 |
| 10 | 33 | 141.131 | 141.574 | 0.443 |
| 10 | 34 | 143.299 | 142.402 | -0.897 |
| 15 | 35 | 139.821 | 139.255 | -0.566 |
| 15 | 36 | 140.175 | 140.964 | 0.789 |
| 15 | 37 | 140.685 | 139.991 | -0.694 |
| 15 | 38 | 142.935 | 142.090 | -0.845 |
| 15 | 39 | 145.130 | 145.140 | 0.010 |
| 30 | 40 | 145.466 | 144.723 | -0.743 |
| 30 | 41 | 142.989 | 142.406 | -0.583 |
| 30 | 42 | 144.538 | 142.575 | -1.963 |
| 30 | 43 | 145.797 | 143.289 | -2.508 |
| 30 | 44 | 144.393 | 143.682 | -0.711 |
| 35 | 45 | 142.463 | 140.416 | -2.047 |
| 35 | 46 | 142.274 | 141.281 | -0.993 |
| 35 | 47 | 142.256 | 140.512 | -1.744 |
| 35 | 48 | 145.061 | 143.694 | -1.367 |
| 35 | 49 | 140.628 | 139.843 | -0.785 |
| 50 | 50 | 142.636 | 140.700 | -1.936 |
| 50 | 51 | 144.132 | 142.252 | -1.880 |
| 50 | 52 | 141.393 | 139.823 | -1.570 |
| 50 | 53 | 144.928 | 142.408 | -2.520 |
| 50 | 54 | 146.119 | 143.091 | -3.028 |
| 55 | 55 | 144.669 | 142.079 | -2.590 |
| 55 | 56 | 143.104 | 140.675 | -2.429 |
| 55 | 57 | 145.870 | 143.251 | -2.619 |
| 55 | 58 | 143.417 | 140.172 | -3.245 |
| 55 | 59 | 143.072 | 141.706 | -1.366 |
| 100 | 60 | 148.227 | 144.908 | -3.319 |
| 100 | 61 | 145.574 | 141.599 | -3.975 |
| 100 | 62 | 144.643 | 140.596 | -4.047 |
| 100 | 63 | 146.575 | 142.604 | -3.971 |
| 100 | 64 | 144.629 | 140.134 | -4.495 |
| 105 | 65 | 147.988 | 144.004 | -3.984 |
| 105 | 66 | 148.103 | 143.840 | -4.263 |
| 105 | 67 | 147.123 | 141.555 | -5.568 |
| 105 | 68 | 146.670 | 141.830 | -4.840 |
| 105 | 69 | 145.202 | 141.643 | -3.559 |
| | Max | 148.227 | 145.140 | 1.323 |
| | Average | 143.485 | 142.059 | -1.425 |
| | Min | 139.626 | 139.255 | -5.568 |
| | Std Dev | 2.217 | 1.445 | 1.769 |




| | 19.43_tsr_EN2_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 140.174 | 141.211 | 141.860 | 141.137 | #### | 142.406 | #### | #### | 140.172 | #### | 141.555 |
| Average | 141.606 | 141.990 | 143.083 | 142.047 | #### | 143.335 | #### | #### | 141.577 | #### | 142.574 |
| Max | 144.034 | 142.810 | 144.991 | 142.875 | #### | 144.723 | #### | #### | 143.251 | #### | 144.004 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

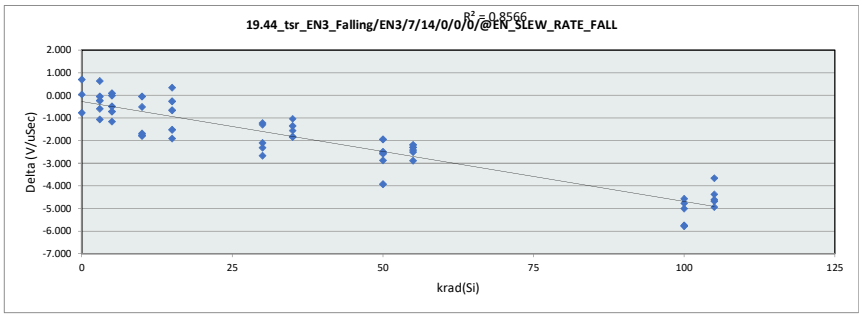


# TID HDR Report
# TPS7H3014-SP

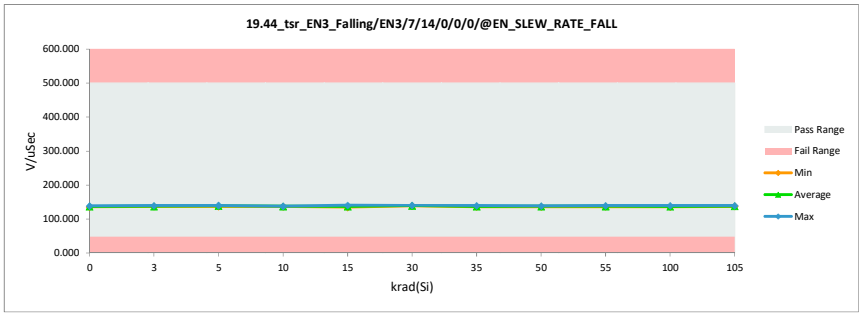
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.44_tsr_EN3_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 136.635 | 135.876 | -0.759 |
| 0 | 14 | 135.854 | 136.568 | 0.714 |
| 0 | 15 | 138.434 | 138.486 | 0.052 |
| 3 | 20 | 137.549 | 137.512 | -0.037 |
| 3 | 21 | 138.073 | 137.495 | -0.578 |
| 3 | 22 | 138.998 | 139.643 | 0.645 |
| 3 | 23 | 137.286 | 137.068 | -0.218 |
| 3 | 24 | 138.061 | 137.008 | -1.053 |
| 5 | 25 | 138.678 | 138.783 | 0.105 |
| 5 | 26 | 139.697 | 138.552 | -1.145 |
| 5 | 27 | 139.494 | 139.496 | 0.002 |
| 5 | 28 | 140.837 | 140.129 | -0.708 |
| 5 | 29 | 137.766 | 137.286 | -0.480 |
| 10 | 30 | 138.005 | 137.972 | -0.033 |
| 10 | 31 | 137.348 | 136.850 | -0.498 |
| 10 | 32 | 139.583 | 137.802 | -1.781 |
| 10 | 33 | 138.268 | 136.595 | -1.673 |
| 10 | 34 | 139.908 | 138.165 | -1.743 |
| 15 | 35 | 136.022 | 135.373 | -0.649 |
| 15 | 36 | 137.351 | 137.099 | -0.252 |
| 15 | 37 | 136.726 | 134.829 | -1.897 |
| 15 | 38 | 140.465 | 138.957 | -1.508 |
| 15 | 39 | 139.996 | 140.346 | 0.350 |
| 30 | 40 | 141.384 | 139.081 | -2.303 |
| 30 | 41 | 139.985 | 138.697 | -1.288 |
| 30 | 42 | 141.618 | 140.401 | -1.217 |
| 30 | 43 | 142.630 | 139.977 | -2.653 |
| 30 | 44 | 141.228 | 139.141 | -2.087 |
| 35 | 45 | 137.864 | 136.032 | -1.832 |
| 35 | 46 | 139.115 | 137.306 | -1.809 |
| 35 | 47 | 138.576 | 137.032 | -1.544 |
| 35 | 48 | 140.369 | 139.346 | -1.023 |
| 35 | 49 | 137.572 | 136.235 | -1.337 |
| 50 | 50 | 139.911 | 137.978 | -1.933 |
| 50 | 51 | 140.377 | 137.517 | -2.860 |
| 50 | 52 | 138.914 | 136.345 | -2.569 |
| 50 | 53 | 141.095 | 138.610 | -2.485 |
| 50 | 54 | 141.969 | 138.054 | -3.915 |
| 55 | 55 | 141.839 | 139.348 | -2.491 |
| 55 | 56 | 138.803 | 136.401 | -2.402 |
| 55 | 57 | 141.742 | 138.865 | -2.877 |
| 55 | 58 | 138.683 | 136.397 | -2.286 |
| 55 | 59 | 139.961 | 137.782 | -2.179 |
| 100 | 60 | 144.674 | 139.675 | -4.999 |
| 100 | 61 | 142.134 | 136.396 | -5.738 |
| 100 | 62 | 142.391 | 136.622 | -5.769 |
| 100 | 63 | 141.206 | 136.645 | -4.561 |
| 100 | 64 | 140.625 | 135.865 | -4.760 |
| 105 | 65 | 143.109 | 138.508 | -4.601 |
| 105 | 66 | 143.205 | 139.556 | -3.649 |
| 105 | 67 | 142.041 | 137.374 | -4.667 |
| 105 | 68 | 143.394 | 138.466 | -4.928 |
| 105 | 69 | 141.781 | 137.417 | -4.364 |
| | Max | 144.674 | 140.401 | 0.714 |
| | Average | 139.797 | 137.829 | -1.967 |
| | Min | 135.854 | 134.829 | -5.769 |
| | Std Dev | 2.064 | 1.368 | 1.709 |




| | 19.44_tsr_EN3_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 135.876 | 137.008 | 137.286 | 136.595 | #### | 138.697 | #### | #### | 136.397 | #### | 137.374 |
| Average | 136.977 | 137.745 | 138.849 | 137.477 | #### | 139.459 | #### | #### | 137.759 | #### | 138.264 |
| Max | 138.486 | 139.643 | 140.129 | 138.165 | #### | 140.401 | #### | #### | 139.348 | #### | 139.556 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

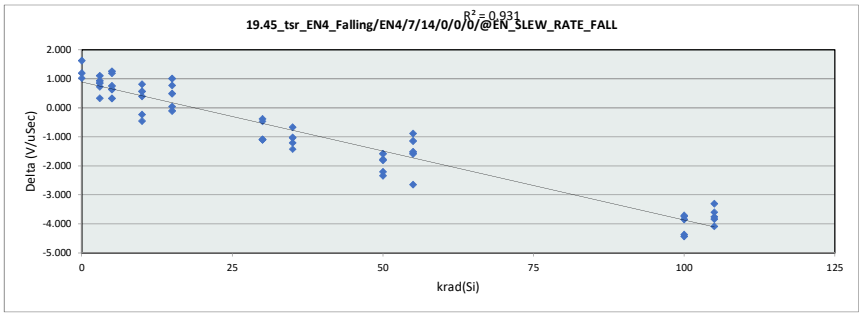


# TID HDR Report
# TPS7H3014-SP

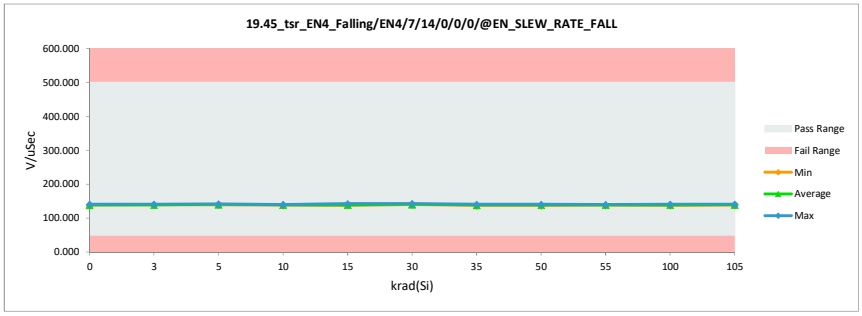
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.45_tsr_EN4_Falling/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 137.221 | 138.430 | 1.209 |
| 0 | 14 | 137.194 | 138.231 | 1.037 |
| 0 | 15 | 139.565 | 141.202 | 1.637 |
| 3 | 20 | 138.587 | 139.448 | 0.861 |
| 3 | 21 | 138.716 | 139.662 | 0.946 |
| 3 | 22 | 140.691 | 141.427 | 0.736 |
| 3 | 23 | 138.630 | 138.972 | 0.342 |
| 3 | 24 | 138.826 | 139.942 | 1.116 |
| 5 | 25 | 137.958 | 139.160 | 1.202 |
| 5 | 26 | 138.897 | 140.165 | 1.268 |
| 5 | 27 | 140.565 | 140.901 | 0.336 |
| 5 | 28 | 141.393 | 142.037 | 0.644 |
| 5 | 29 | 139.218 | 139.984 | 0.766 |
| 10 | 30 | 139.711 | 140.118 | 0.407 |
| 10 | 31 | 137.389 | 138.214 | 0.825 |
| 10 | 32 | 140.894 | 140.453 | -0.441 |
| 10 | 33 | 138.772 | 138.554 | -0.218 |
| 10 | 34 | 140.012 | 140.591 | 0.579 |
| 15 | 35 | 137.776 | 138.796 | 1.020 |
| 15 | 36 | 137.146 | 137.927 | 0.781 |
| 15 | 37 | 137.966 | 138.020 | 0.054 |
| 15 | 38 | 140.366 | 140.869 | 0.503 |
| 15 | 39 | 143.111 | 143.016 | -0.095 |
| 30 | 40 | 144.004 | 142.922 | -1.082 |
| 30 | 41 | 141.192 | 140.739 | -0.453 |
| 30 | 42 | 141.267 | 140.182 | -1.085 |
| 30 | 43 | 142.526 | 141.450 | -1.076 |
| 30 | 44 | 141.427 | 141.060 | -0.367 |
| 35 | 45 | 140.654 | 139.245 | -1.409 |
| 35 | 46 | 139.062 | 137.866 | -1.196 |
| 35 | 47 | 139.882 | 138.860 | -1.022 |
| 35 | 48 | 141.883 | 141.226 | -0.657 |
| 35 | 49 | 138.409 | 137.403 | -1.006 |
| 50 | 50 | 140.812 | 139.017 | -1.795 |
| 50 | 51 | 142.354 | 140.027 | -2.327 |
| 50 | 52 | 138.722 | 137.150 | -1.572 |
| 50 | 53 | 143.020 | 140.830 | -2.190 |
| 50 | 54 | 142.807 | 141.048 | -1.759 |
| 55 | 55 | 141.788 | 140.215 | -1.573 |
| 55 | 56 | 139.840 | 138.969 | -0.871 |
| 55 | 57 | 143.396 | 140.763 | -2.633 |
| 55 | 58 | 139.757 | 138.256 | -1.501 |
| 55 | 59 | 140.984 | 139.851 | -1.133 |
| 100 | 60 | 145.852 | 141.439 | -4.413 |
| 100 | 61 | 142.739 | 139.015 | -3.724 |
| 100 | 62 | 143.415 | 139.585 | -3.830 |
| 100 | 63 | 144.002 | 140.308 | -3.694 |
| 100 | 64 | 142.276 | 137.925 | -4.351 |
| 105 | 65 | 144.529 | 140.711 | -3.818 |
| 105 | 66 | 145.653 | 141.582 | -4.071 |
| 105 | 67 | 142.524 | 138.939 | -3.585 |
| 105 | 68 | 144.414 | 140.670 | -3.744 |
| 105 | 69 | 141.705 | 138.414 | -3.291 |
| | Max | 145.852 | 143.016 | 1.637 |
| | Average | 140.783 | 139.845 | -0.938 |
| | Min | 137.146 | 137.150 | -4.413 |
| | Std Dev | 2.264 | 1.371 | 1.762 |




| | 19.45_tsr_EN4_Falling/E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 138.231 | 138.972 | 139.160 | 138.214 | #### | 140.182 | #### | #### | 138.256 | #### | 138.414 |
| Average | 139.288 | 139.890 | 140.449 | 139.586 | #### | 141.271 | #### | #### | 139.611 | #### | 140.063 |
| Max | 141.202 | 141.427 | 142.037 | 140.591 | #### | 142.922 | #### | #### | 140.763 | #### | 141.582 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

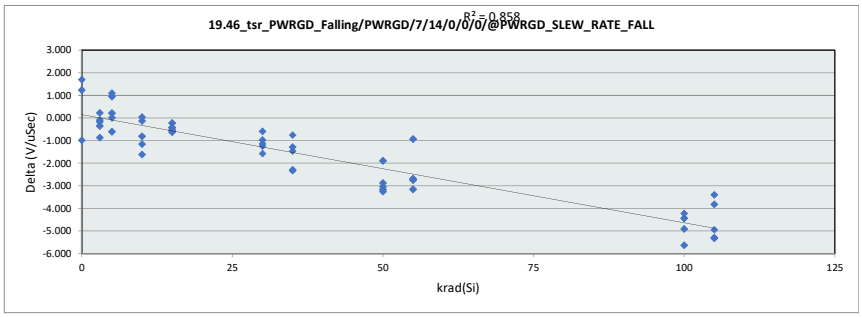


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

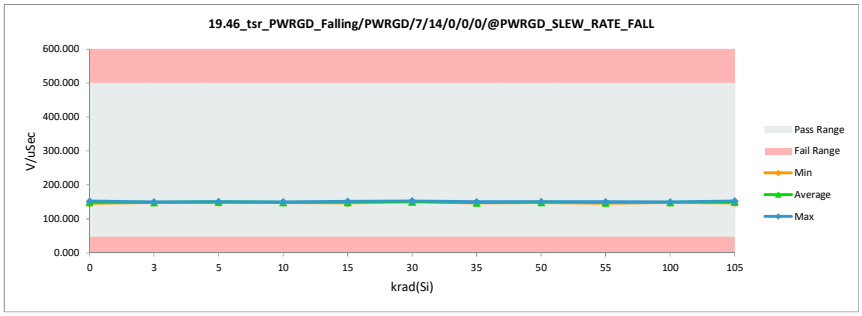
| | 19.46_tsr_PWRGD_Falling | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 147.420 | 149.124 | 1.704 |
| 0 | 14 | 147.070 | 146.098 | -0.972 |
| 0 | 15 | 151.395 | 152.634 | 1.239 |
| 3 | 20 | 148.889 | 148.807 | -0.082 |
| 3 | 21 | 149.362 | 149.195 | -0.167 |
| 3 | 22 | 150.269 | 150.503 | 0.234 |
| 3 | 23 | 148.547 | 147.688 | -0.859 |
| 3 | 24 | 149.216 | 148.873 | -0.343 |
| 5 | 25 | 149.783 | 149.188 | -0.595 |
| 5 | 26 | 149.709 | 150.819 | 1.110 |
| 5 | 27 | 148.308 | 148.329 | 0.021 |
| 5 | 28 | 150.742 | 151.706 | 0.964 |
| 5 | 29 | 150.124 | 150.346 | 0.222 |
| 10 | 30 | 150.996 | 150.878 | -0.118 |
| 10 | 31 | 149.208 | 148.065 | -1.143 |
| 10 | 32 | 150.981 | 149.373 | -1.608 |
| 10 | 33 | 148.624 | 147.826 | -0.798 |
| 10 | 34 | 149.898 | 149.946 | 0.048 |
| 15 | 35 | 148.635 | 148.111 | -0.524 |
| 15 | 36 | 147.410 | 146.997 | -0.413 |
| 15 | 37 | 148.279 | 147.855 | -0.424 |
| 15 | 38 | 152.425 | 152.210 | -0.215 |
| 15 | 39 | 153.001 | 152.389 | -0.612 |
| 30 | 40 | 153.558 | 152.974 | -0.584 |
| 30 | 41 | 150.972 | 149.734 | -1.238 |
| 30 | 42 | 152.312 | 150.752 | -1.560 |
| 30 | 43 | 152.180 | 151.216 | -0.964 |
| 30 | 44 | 153.727 | 152.590 | -1.137 |
| 35 | 45 | 149.471 | 147.151 | -2.320 |
| 35 | 46 | 149.054 | 146.781 | -2.273 |
| 35 | 47 | 149.935 | 148.483 | -1.452 |
| 35 | 48 | 152.170 | 151.423 | -0.747 |
| 35 | 49 | 149.849 | 148.574 | -1.275 |
| 50 | 50 | 151.941 | 149.077 | -2.864 |
| 50 | 51 | 152.295 | 149.048 | -3.247 |
| 50 | 52 | 150.919 | 147.759 | -3.160 |
| 50 | 53 | 153.361 | 151.477 | -1.884 |
| 50 | 54 | 153.866 | 150.829 | -3.037 |
| 55 | 55 | 151.944 | 151.022 | -0.922 |
| 55 | 56 | 149.154 | 146.011 | -3.143 |
| 55 | 57 | 153.528 | 150.790 | -2.738 |
| 55 | 58 | 150.408 | 147.717 | -2.691 |
| 55 | 59 | 151.716 | 149.032 | -2.684 |
| 100 | 60 | 155.315 | 150.891 | -4.424 |
| 100 | 61 | 154.018 | 149.121 | -4.897 |
| 100 | 62 | 154.319 | 150.109 | -4.210 |
| 100 | 63 | 154.952 | 149.333 | -5.619 |
| 100 | 64 | 152.512 | 148.088 | -4.424 |
| 105 | 65 | 154.438 | 150.628 | -3.810 |
| 105 | 66 | 156.364 | 152.980 | -3.384 |
| 105 | 67 | 153.022 | 147.715 | -5.307 |
| 105 | 68 | 156.094 | 151.163 | -4.931 |
| 105 | 69 | 152.643 | 147.366 | -5.277 |
| | Max | 156.364 | 152.980 | 1.704 |
| | Average | 151.251 | 149.562 | -1.689 |
| | Min | 147.070 | 146.011 | -5.619 |
| | Std Dev | 2.321 | 1.811 | 1.848 |




| | 19.46_tsr_PWRGD_Fallin | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 500 | V/uSec |
| Min Limit | 48 | V/uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 146.098 | 147.688 | 148.329 | 147.826 | #### | 149.734 | #### | #### | 146.011 | #### | 147.366 |
| Average | 149.285 | 149.013 | 150.078 | 149.218 | #### | 151.453 | #### | #### | 148.914 | #### | 149.970 |
| Max | 152.634 | 150.503 | 151.706 | 150.878 | #### | 152.974 | #### | #### | 151.022 | #### | 152.980 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

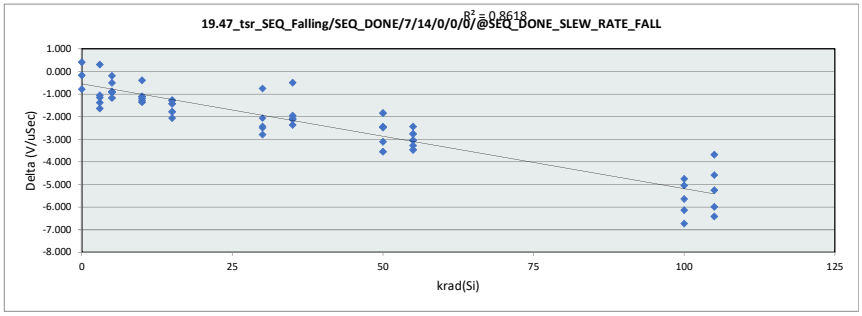


# TID HDR Report
# TPS7H3014-SP

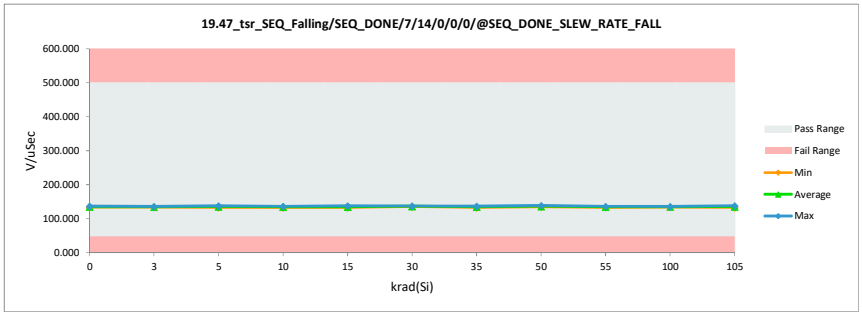
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 19.47_tsr_SEQ_Falling/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | V/uSec | V/uSec |
| Max Limit | 500 | 500 |
| Min Limit | 44 | 48 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 134.285 | 134.711 | 0.426 |
| 0 | 14 | 134.245 | 134.086 | -0.159 |
| 0 | 15 | 137.808 | 137.042 | -0.766 |
| 3 | 20 | 135.890 | 134.524 | -1.366 |
| 3 | 21 | 135.754 | 136.074 | 0.320 |
| 3 | 22 | 136.260 | 135.220 | -1.040 |
| 3 | 23 | 135.480 | 133.861 | -1.619 |
| 3 | 24 | 136.742 | 135.609 | -1.133 |
| 5 | 25 | 136.410 | 135.529 | -0.881 |
| 5 | 26 | 137.887 | 136.983 | -0.904 |
| 5 | 27 | 133.826 | 133.644 | -0.182 |
| 5 | 28 | 138.260 | 137.769 | -0.491 |
| 5 | 29 | 137.640 | 136.481 | -1.159 |
| 10 | 30 | 136.992 | 136.613 | -0.379 |
| 10 | 31 | 136.160 | 134.905 | -1.255 |
| 10 | 32 | 136.226 | 135.136 | -1.090 |
| 10 | 33 | 134.285 | 132.946 | -1.339 |
| 10 | 34 | 136.480 | 135.312 | -1.168 |
| 15 | 35 | 135.378 | 133.966 | -1.412 |
| 15 | 36 | 136.521 | 134.473 | -2.048 |
| 15 | 37 | 134.220 | 132.959 | -1.261 |
| 15 | 38 | 137.550 | 135.785 | -1.765 |
| 15 | 39 | 139.054 | 137.785 | -1.269 |
| 30 | 40 | 139.618 | 137.135 | -2.483 |
| 30 | 41 | 138.503 | 135.730 | -2.773 |
| 30 | 42 | 139.172 | 137.121 | -2.051 |
| 30 | 43 | 138.031 | 137.290 | -0.741 |
| 30 | 44 | 139.826 | 137.409 | -2.417 |
| 35 | 45 | 136.432 | 134.366 | -2.066 |
| 35 | 46 | 134.968 | 133.033 | -1.935 |
| 35 | 47 | 136.057 | 133.953 | -2.104 |
| 35 | 48 | 139.484 | 137.137 | -2.347 |
| 35 | 49 | 136.008 | 135.524 | -0.484 |
| 50 | 50 | 138.360 | 135.265 | -3.095 |
| 50 | 51 | 137.314 | 134.850 | -2.464 |
| 50 | 52 | 136.828 | 135.003 | -1.825 |
| 50 | 53 | 140.642 | 137.105 | -3.537 |
| 50 | 54 | 141.354 | 138.920 | -2.434 |
| 55 | 55 | 139.681 | 136.420 | -3.261 |
| 55 | 56 | 136.800 | 133.344 | -3.456 |
| 55 | 57 | 139.085 | 136.339 | -2.746 |
| 55 | 58 | 137.139 | 134.719 | -2.420 |
| 55 | 59 | 137.702 | 134.678 | -3.024 |
| 100 | 60 | 142.699 | 135.986 | -6.713 |
| 100 | 61 | 141.607 | 135.981 | -5.626 |
| 100 | 62 | 139.960 | 135.229 | -4.731 |
| 100 | 63 | 141.166 | 135.051 | -6.115 |
| 100 | 64 | 139.647 | 134.619 | -5.028 |
| 105 | 65 | 140.278 | 136.609 | -3.669 |
| 105 | 66 | 143.573 | 138.340 | -5.233 |
| 105 | 67 | 139.350 | 132.955 | -6.395 |
| 105 | 68 | 142.849 | 136.879 | -5.970 |
| 105 | 69 | 138.796 | 134.235 | -4.561 |
| | Max | 143.573 | 138.920 | 0.426 |
| | Average | 137.854 | 135.521 | -2.333 |
| | Min | 133.826 | 132.946 | -6.713 |
| | Std Dev | 2.342 | 1.469 | 1.788 |




| | 19.47_tsr_SEQ_Falling/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 500 | V/uSec | | | | | | | | | |
| Min Limit | 48 | V/uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 | 48.000 |
| Min | 134.086 | 133.861 | 133.644 | 132.946 | #### | 135.730 | #### | #### | 133.344 | #### | 132.955 |
| Average | 135.280 | 135.058 | 136.081 | 134.982 | #### | 136.937 | #### | #### | 135.100 | #### | 135.804 |
| Max | 137.042 | 136.074 | 137.769 | 136.613 | #### | 137.409 | #### | #### | 136.420 | #### | 138.340 |
| UL | 500.000 | 500.000 | 500.000 | 500.000 | #### | 500.000 | #### | #### | 500.000 | #### | 500.000 |

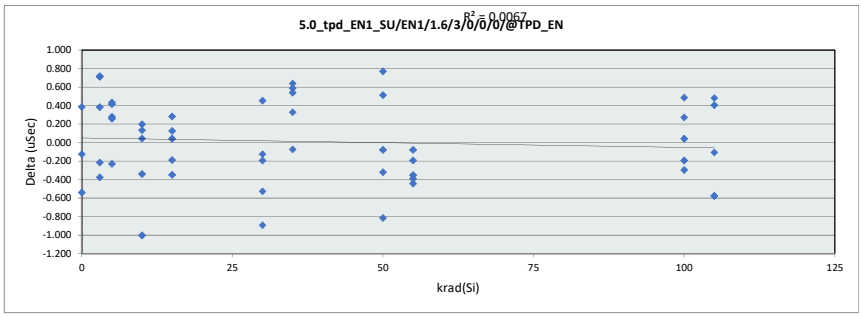


# TID HDR Report
# TPS7H3014-SP

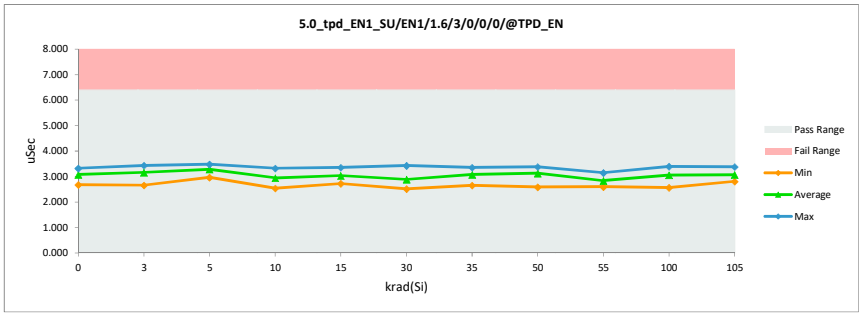
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.0_tpd_EN1_SU/EN1/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.213 | 2.678 | -0.535 |
| 0 | 14 | 3.447 | 3.326 | -0.121 |
| 0 | 15 | 2.840 | 3.230 | 0.390 |
| 3 | 20 | 2.716 | 3.433 | 0.717 |
| 3 | 21 | 3.053 | 3.441 | 0.388 |
| 3 | 22 | 2.585 | 3.306 | 0.721 |
| 3 | 23 | 3.351 | 2.979 | -0.372 |
| 3 | 24 | 2.874 | 2.662 | -0.212 |
| 5 | 25 | 2.866 | 3.305 | 0.439 |
| 5 | 26 | 2.702 | 2.966 | 0.264 |
| 5 | 27 | 3.005 | 3.425 | 0.420 |
| 5 | 28 | 3.474 | 3.249 | -0.225 |
| 5 | 29 | 3.200 | 3.483 | 0.283 |
| 10 | 30 | 3.278 | 3.326 | 0.048 |
| 10 | 31 | 3.052 | 2.717 | -0.335 |
| 10 | 32 | 3.009 | 3.212 | 0.203 |
| 10 | 33 | 3.539 | 2.540 | -0.999 |
| 10 | 34 | 2.798 | 2.936 | 0.138 |
| 15 | 35 | 3.409 | 3.064 | -0.345 |
| 15 | 36 | 3.030 | 3.076 | 0.046 |
| 15 | 37 | 3.228 | 3.358 | 0.130 |
| 15 | 38 | 2.912 | 2.727 | -0.185 |
| 15 | 39 | 2.684 | 2.971 | 0.287 |
| 30 | 40 | 3.204 | 3.083 | -0.121 |
| 30 | 41 | 2.973 | 3.431 | 0.458 |
| 30 | 42 | 3.043 | 2.854 | -0.189 |
| 30 | 43 | 3.037 | 2.514 | -0.523 |
| 30 | 44 | 3.440 | 2.550 | -0.890 |
| 35 | 45 | 2.577 | 2.909 | 0.332 |
| 35 | 46 | 2.716 | 3.309 | 0.593 |
| 35 | 47 | 2.716 | 3.360 | 0.644 |
| 35 | 48 | 2.724 | 2.655 | -0.069 |
| 35 | 49 | 2.625 | 3.169 | 0.544 |
| 50 | 50 | 3.437 | 3.121 | -0.316 |
| 50 | 51 | 2.613 | 3.388 | 0.775 |
| 50 | 52 | 3.278 | 3.204 | -0.074 |
| 50 | 53 | 3.399 | 2.589 | -0.810 |
| 50 | 54 | 2.841 | 3.358 | 0.517 |
| 55 | 55 | 3.229 | 2.842 | -0.387 |
| 55 | 56 | 3.337 | 3.149 | -0.188 |
| 55 | 57 | 3.341 | 2.902 | -0.439 |
| 55 | 58 | 3.049 | 2.702 | -0.347 |
| 55 | 59 | 2.678 | 2.603 | -0.075 |
| 100 | 60 | 2.875 | 3.151 | 0.276 |
| 100 | 61 | 3.037 | 2.848 | -0.189 |
| 100 | 62 | 2.863 | 2.571 | -0.292 |
| 100 | 63 | 3.355 | 3.401 | 0.046 |
| 100 | 64 | 2.829 | 3.319 | 0.490 |
| 105 | 65 | 2.896 | 3.383 | 0.487 |
| 105 | 66 | 3.317 | 3.215 | -0.102 |
| 105 | 67 | 3.439 | 2.868 | -0.571 |
| 105 | 68 | 2.666 | 3.075 | 0.409 |
| 105 | 69 | 3.381 | 2.808 | -0.573 |
| | Max | 3.539 | 3.483 | 0.775 |
| | Average | 3.041 | 3.052 | 0.011 |
| | Min | 2.577 | 2.514 | -0.999 |
| | Std Dev | 0.285 | 0.295 | 0.438 |




| | 5.0_tpd_EN1_SU/EN1/1. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.678 | 2.662 | 2.966 | 2.540 | 2.727 | 2.514 | 2.655 | 2.589 | 2.603 | 2.571 | 2.808 |
| Average | 3.078 | 3.164 | 3.286 | 2.946 | 3.039 | 2.886 | 3.080 | 3.132 | 2.840 | 3.058 | 3.070 |
| Max | 3.326 | 3.441 | 3.483 | 3.326 | 3.358 | 3.431 | 3.360 | 3.388 | 3.149 | 3.401 | 3.383 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

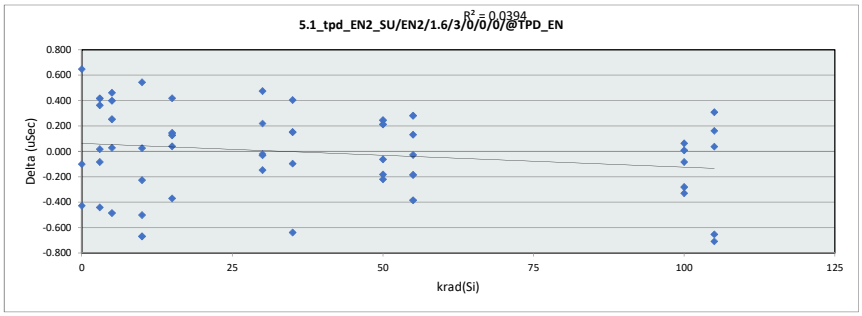


# TID HDR Report
# TPS7H3014-SP

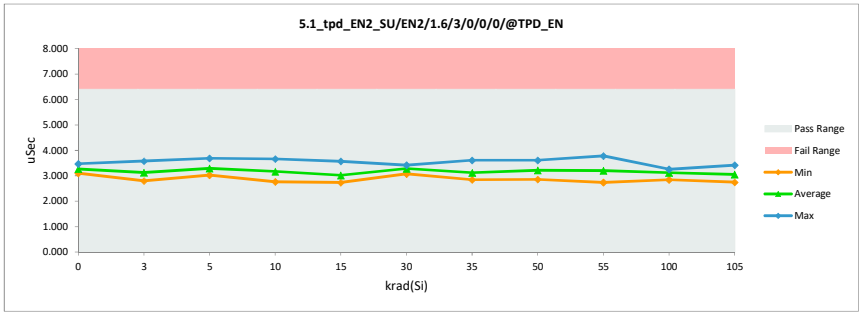
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.1_tpd_EN2_SU/EN2/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.821 | 3.471 | 0.650 |
| 0 | 14 | 3.206 | 3.107 | -0.099 |
| 0 | 15 | 3.633 | 3.207 | -0.426 |
| 3 | 20 | 2.920 | 2.839 | -0.081 |
| 3 | 21 | 3.211 | 3.576 | 0.365 |
| 3 | 22 | 3.140 | 3.559 | 0.419 |
| 3 | 23 | 3.242 | 2.803 | -0.439 |
| 3 | 24 | 2.830 | 2.850 | 0.020 |
| 5 | 25 | 2.793 | 3.257 | 0.464 |
| 5 | 26 | 2.792 | 3.193 | 0.401 |
| 5 | 27 | 3.511 | 3.028 | -0.483 |
| 5 | 28 | 3.253 | 3.283 | 0.030 |
| 5 | 29 | 3.437 | 3.692 | 0.255 |
| 10 | 30 | 3.573 | 3.074 | -0.499 |
| 10 | 31 | 3.115 | 3.661 | 0.546 |
| 10 | 32 | 3.390 | 3.417 | 0.027 |
| 10 | 33 | 3.614 | 2.947 | -0.667 |
| 10 | 34 | 2.992 | 2.768 | -0.224 |
| 15 | 35 | 2.927 | 3.073 | 0.146 |
| 15 | 36 | 2.776 | 2.905 | 0.129 |
| 15 | 37 | 3.105 | 2.737 | -0.368 |
| 15 | 38 | 3.154 | 3.574 | 0.420 |
| 15 | 39 | 2.777 | 2.819 | 0.042 |
| 30 | 40 | 3.007 | 3.228 | 0.221 |
| 30 | 41 | 2.895 | 3.372 | 0.477 |
| 30 | 42 | 3.223 | 3.077 | -0.146 |
| 30 | 43 | 3.439 | 3.421 | -0.018 |
| 30 | 44 | 3.352 | 3.323 | -0.029 |
| 35 | 45 | 2.834 | 2.987 | 0.153 |
| 35 | 46 | 2.889 | 3.295 | 0.406 |
| 35 | 47 | 2.937 | 2.843 | -0.094 |
| 35 | 48 | 3.459 | 3.614 | 0.155 |
| 35 | 49 | 3.501 | 2.864 | -0.637 |
| 50 | 50 | 3.365 | 3.613 | 0.248 |
| 50 | 51 | 3.039 | 2.859 | -0.180 |
| 50 | 52 | 3.393 | 3.175 | -0.218 |
| 50 | 53 | 3.595 | 3.534 | -0.061 |
| 50 | 54 | 2.713 | 2.927 | 0.214 |
| 55 | 55 | 3.380 | 2.997 | -0.383 |
| 55 | 56 | 3.000 | 3.283 | 0.283 |
| 55 | 57 | 3.425 | 3.241 | -0.184 |
| 55 | 58 | 2.766 | 2.739 | -0.027 |
| 55 | 59 | 3.647 | 3.780 | 0.133 |
| 100 | 60 | 3.440 | 3.161 | -0.279 |
| 100 | 61 | 3.340 | 3.258 | -0.082 |
| 100 | 62 | 3.485 | 3.158 | -0.327 |
| 100 | 63 | 2.782 | 2.847 | 0.065 |
| 100 | 64 | 3.182 | 3.192 | 0.010 |
| 105 | 65 | 3.456 | 2.750 | -0.706 |
| 105 | 66 | 2.727 | 2.890 | 0.163 |
| 105 | 67 | 3.598 | 2.947 | -0.651 |
| 105 | 68 | 3.113 | 3.423 | 0.310 |
| 105 | 69 | 3.241 | 3.280 | 0.039 |
| | Max | 3.647 | 3.780 | 0.650 |
| | Average | 3.178 | 3.168 | -0.010 |
| | Min | 2.713 | 2.737 | -0.706 |
| | Std Dev | 0.288 | 0.288 | 0.335 |




| | 5.1_tpd_EN2_SU/EN2/1. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.107 | 2.803 | 3.028 | 2.768 | 2.737 | 3.077 | 2.843 | 2.859 | 2.739 | 2.847 | 2.750 |
| Average | 3.262 | 3.125 | 3.291 | 3.173 | 3.022 | 3.284 | 3.121 | 3.222 | 3.208 | 3.123 | 3.058 |
| Max | 3.471 | 3.576 | 3.692 | 3.661 | 3.574 | 3.421 | 3.614 | 3.613 | 3.780 | 3.258 | 3.423 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

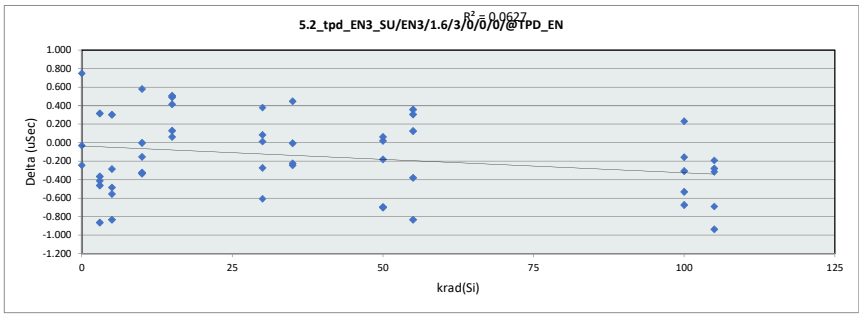


# TID HDR Report
# TPS7H3014-SP

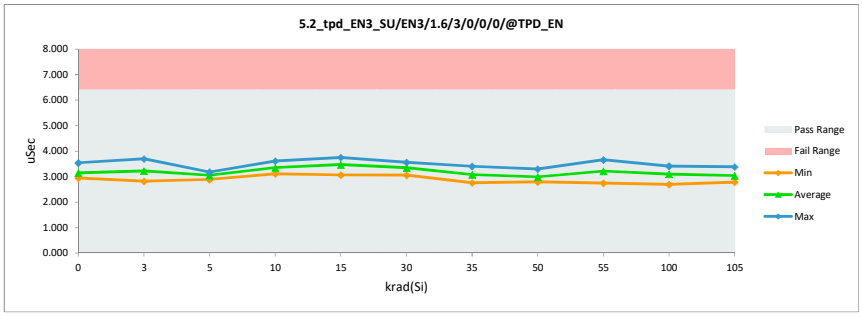
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.2_tpd_EN3_SU/EN3/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.207 | 2.967 | -0.240 |
| 0 | 14 | 2.972 | 2.943 | -0.029 |
| 0 | 15 | 2.786 | 3.538 | 0.752 |
| 3 | 20 | 3.580 | 3.121 | -0.459 |
| 3 | 21 | 3.478 | 3.068 | -0.410 |
| 3 | 22 | 3.376 | 3.695 | 0.319 |
| 3 | 23 | 3.758 | 3.396 | -0.362 |
| 3 | 24 | 3.678 | 2.817 | -0.861 |
| 5 | 25 | 3.582 | 3.101 | -0.481 |
| 5 | 26 | 3.449 | 3.167 | -0.282 |
| 5 | 27 | 3.471 | 2.920 | -0.551 |
| 5 | 28 | 3.719 | 2.888 | -0.831 |
| 5 | 29 | 2.869 | 3.174 | 0.305 |
| 10 | 30 | 3.109 | 3.109 | 0.000 |
| 10 | 31 | 3.564 | 3.243 | -0.321 |
| 10 | 32 | 3.764 | 3.614 | -0.150 |
| 10 | 33 | 3.651 | 3.318 | -0.333 |
| 10 | 34 | 2.903 | 3.487 | 0.584 |
| 15 | 35 | 3.484 | 3.549 | 0.065 |
| 15 | 36 | 3.129 | 3.638 | 0.509 |
| 15 | 37 | 2.930 | 3.062 | 0.132 |
| 15 | 38 | 3.329 | 3.747 | 0.418 |
| 15 | 39 | 2.862 | 3.358 | 0.496 |
| 30 | 40 | 3.660 | 3.056 | -0.604 |
| 30 | 41 | 2.913 | 3.294 | 0.381 |
| 30 | 42 | 3.472 | 3.559 | 0.087 |
| 30 | 43 | 3.547 | 3.562 | 0.015 |
| 30 | 44 | 3.519 | 3.249 | -0.270 |
| 35 | 45 | 3.205 | 3.200 | -0.005 |
| 35 | 46 | 2.757 | 3.208 | 0.451 |
| 35 | 47 | 3.052 | 2.809 | -0.243 |
| 35 | 48 | 2.758 | 2.757 | -0.001 |
| 35 | 49 | 3.624 | 3.404 | -0.220 |
| 50 | 50 | 3.188 | 3.010 | -0.178 |
| 50 | 51 | 3.234 | 3.300 | 0.066 |
| 50 | 52 | 3.581 | 2.882 | -0.699 |
| 50 | 53 | 3.480 | 2.789 | -0.691 |
| 50 | 54 | 2.933 | 2.955 | 0.022 |
| 55 | 55 | 3.528 | 3.657 | 0.129 |
| 55 | 56 | 2.797 | 3.158 | 0.361 |
| 55 | 57 | 3.223 | 3.531 | 0.308 |
| 55 | 58 | 3.576 | 2.746 | -0.830 |
| 55 | 59 | 3.363 | 2.986 | -0.377 |
| 100 | 60 | 3.568 | 3.413 | -0.155 |
| 100 | 61 | 3.502 | 2.832 | -0.670 |
| 100 | 62 | 3.223 | 2.694 | -0.529 |
| 100 | 63 | 3.703 | 3.399 | -0.304 |
| 100 | 64 | 2.911 | 3.145 | 0.234 |
| 105 | 65 | 3.632 | 2.946 | -0.686 |
| 105 | 66 | 3.349 | 3.037 | -0.312 |
| 105 | 67 | 3.718 | 2.785 | -0.933 |
| 105 | 68 | 3.574 | 3.386 | -0.188 |
| 105 | 69 | 3.323 | 3.047 | -0.276 |
| | Max | 3.764 | 3.747 | 0.752 |
| | Average | 3.331 | 3.183 | -0.148 |
| | Min | 2.757 | 2.694 | -0.933 |
| | Std Dev | 0.307 | 0.285 | 0.414 |




| | 5.2_tpd_EN3_SU/EN3/1. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.943 | 2.817 | 2.888 | 3.109 | 3.062 | 3.056 | 2.757 | 2.789 | 2.746 | 2.694 | 2.785 |
| Average | 3.149 | 3.219 | 3.050 | 3.354 | 3.471 | 3.344 | 3.076 | 2.987 | 3.216 | 3.097 | 3.040 |
| Max | 3.538 | 3.695 | 3.174 | 3.614 | 3.747 | 3.562 | 3.404 | 3.300 | 3.657 | 3.413 | 3.386 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

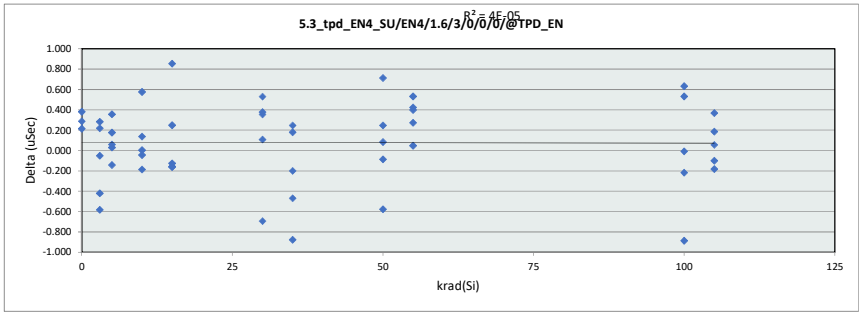


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

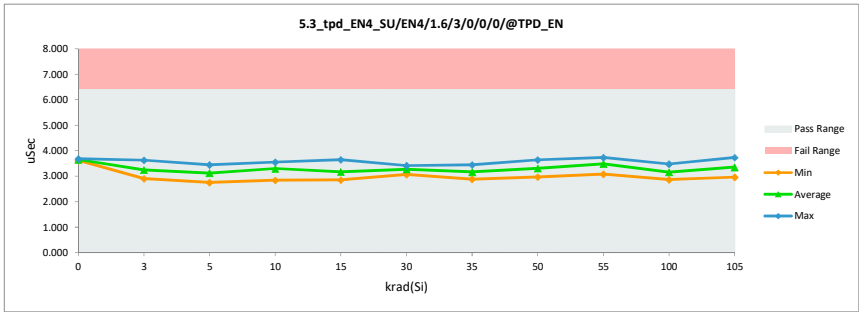
| | 5.3_tpd_EN4_SU/EN4/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.468 | 3.685 | 0.217 |
| 0 | 14 | 3.332 | 3.623 | 0.291 |
| 0 | 15 | 3.270 | 3.653 | 0.383 |
| 3 | 20 | 3.325 | 2.908 | -0.417 |
| 3 | 21 | 3.723 | 3.143 | -0.580 |
| 3 | 22 | 2.953 | 3.239 | 0.286 |
| 3 | 23 | 3.412 | 3.634 | 0.222 |
| 3 | 24 | 3.359 | 3.311 | -0.048 |
| 5 | 25 | 3.184 | 3.245 | 0.061 |
| 5 | 26 | 2.977 | 3.010 | 0.033 |
| 5 | 27 | 2.985 | 3.165 | 0.180 |
| 5 | 28 | 3.088 | 3.448 | 0.360 |
| 5 | 29 | 2.896 | 2.756 | -0.140 |
| 10 | 30 | 3.410 | 3.551 | 0.141 |
| 10 | 31 | 2.877 | 3.455 | 0.578 |
| 10 | 32 | 3.371 | 3.377 | 0.006 |
| 10 | 33 | 2.882 | 2.841 | -0.041 |
| 10 | 34 | 3.490 | 3.307 | -0.183 |
| 15 | 35 | 3.063 | 2.906 | -0.157 |
| 15 | 36 | 3.123 | 3.000 | -0.123 |
| 15 | 37 | 2.793 | 3.649 | 0.856 |
| 15 | 38 | 3.214 | 3.466 | 0.252 |
| 15 | 39 | 3.013 | 2.856 | -0.157 |
| 30 | 40 | 2.942 | 3.322 | 0.380 |
| 30 | 41 | 3.056 | 3.414 | 0.358 |
| 30 | 42 | 3.761 | 3.071 | -0.690 |
| 30 | 43 | 3.151 | 3.262 | 0.111 |
| 30 | 44 | 2.763 | 3.295 | 0.532 |
| 35 | 45 | 3.762 | 2.889 | -0.873 |
| 35 | 46 | 3.443 | 2.976 | -0.467 |
| 35 | 47 | 2.854 | 3.103 | 0.249 |
| 35 | 48 | 3.617 | 3.421 | -0.196 |
| 35 | 49 | 3.265 | 3.447 | 0.182 |
| 50 | 50 | 2.884 | 2.970 | 0.086 |
| 50 | 51 | 2.930 | 3.645 | 0.715 |
| 50 | 52 | 3.740 | 3.166 | -0.574 |
| 50 | 53 | 3.209 | 3.125 | -0.084 |
| 50 | 54 | 3.387 | 3.637 | 0.250 |
| 55 | 55 | 2.808 | 3.084 | 0.276 |
| 55 | 56 | 3.189 | 3.616 | 0.427 |
| 55 | 57 | 3.198 | 3.732 | 0.534 |
| 55 | 58 | 2.854 | 3.256 | 0.402 |
| 55 | 59 | 3.686 | 3.737 | 0.051 |
| 100 | 60 | 3.120 | 2.906 | -0.214 |
| 100 | 61 | 3.170 | 3.165 | -0.005 |
| 100 | 62 | 2.758 | 3.393 | 0.635 |
| 100 | 63 | 3.751 | 2.867 | -0.884 |
| 100 | 64 | 2.949 | 3.483 | 0.534 |
| 105 | 65 | 3.232 | 3.603 | 0.371 |
| 105 | 66 | 3.213 | 3.035 | -0.178 |
| 105 | 67 | 3.061 | 2.964 | -0.097 |
| 105 | 68 | 3.676 | 3.735 | 0.059 |
| 105 | 69 | 3.250 | 3.439 | 0.189 |
| | Max | 3.762 | 3.737 | 0.856 |
| | Average | 3.205 | 3.283 | 0.077 |
| | Min | 2.758 | 2.756 | -0.884 |
| | Std Dev | 0.291 | 0.284 | 0.381 |




| | 5.3_tpd_EN4_SU/EN4/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.623 | 2.908 | 2.756 | 2.841 | 2.856 | 3.071 | 2.889 | 2.970 | 3.084 | 2.867 | 2.964 |
| Average | 3.654 | 3.247 | 3.125 | 3.306 | 3.175 | 3.273 | 3.167 | 3.309 | 3.485 | 3.163 | 3.355 |
| Max | 3.685 | 3.634 | 3.448 | 3.551 | 3.649 | 3.414 | 3.447 | 3.645 | 3.737 | 3.483 | 3.735 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

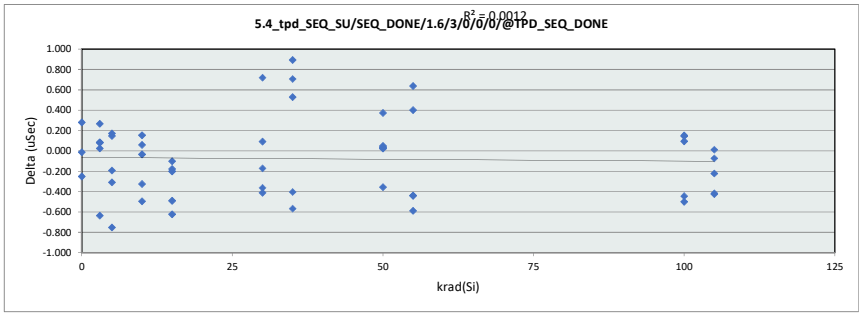


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

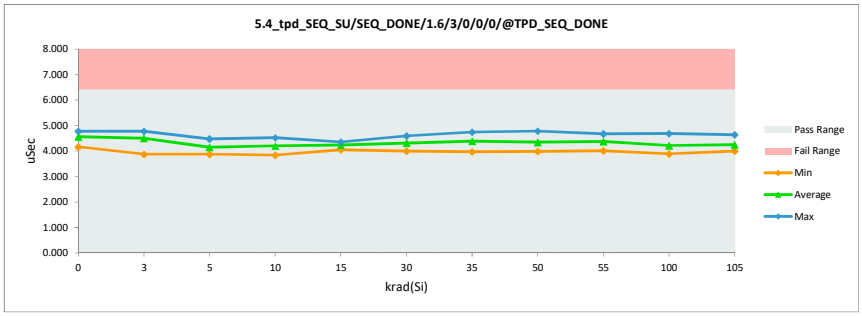
| | 5.4_tpd_SEQ_SU/SEQ_DO | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.788 | 4.777 | -0.011 |
| 0 | 14 | 4.474 | 4.757 | 0.283 |
| 0 | 15 | 4.417 | 4.167 | -0.250 |
| 3 | 20 | 4.446 | 4.531 | 0.085 |
| 3 | 21 | 4.652 | 4.679 | 0.027 |
| 3 | 22 | 4.513 | 3.880 | -0.633 |
| 3 | 23 | 4.580 | 4.665 | 0.085 |
| 3 | 24 | 4.509 | 4.778 | 0.269 |
| 5 | 25 | 4.667 | 4.476 | -0.191 |
| 5 | 26 | 4.010 | 4.160 | 0.150 |
| 5 | 27 | 4.101 | 4.275 | 0.174 |
| 5 | 28 | 4.184 | 3.878 | -0.306 |
| 5 | 29 | 4.718 | 3.969 | -0.749 |
| 10 | 30 | 4.384 | 4.352 | -0.032 |
| 10 | 31 | 4.710 | 4.218 | -0.492 |
| 10 | 32 | 4.025 | 4.086 | 0.061 |
| 10 | 33 | 4.367 | 4.523 | 0.156 |
| 10 | 34 | 4.164 | 3.842 | -0.322 |
| 15 | 35 | 4.471 | 4.295 | -0.176 |
| 15 | 36 | 4.658 | 4.170 | -0.488 |
| 15 | 37 | 4.457 | 4.358 | -0.099 |
| 15 | 38 | 4.667 | 4.047 | -0.620 |
| 15 | 39 | 4.511 | 4.313 | -0.198 |
| 30 | 40 | 4.814 | 4.405 | -0.409 |
| 30 | 41 | 4.173 | 4.004 | -0.169 |
| 30 | 42 | 4.266 | 4.360 | 0.094 |
| 30 | 43 | 3.875 | 4.597 | 0.722 |
| 30 | 44 | 4.575 | 4.214 | -0.361 |
| 35 | 45 | 4.668 | 4.104 | -0.564 |
| 35 | 46 | 3.869 | 4.399 | 0.530 |
| 35 | 47 | 4.380 | 3.979 | -0.401 |
| 35 | 48 | 3.853 | 4.748 | 0.895 |
| 35 | 49 | 3.994 | 4.703 | 0.709 |
| 50 | 50 | 4.346 | 3.992 | -0.354 |
| 50 | 51 | 4.321 | 4.354 | 0.033 |
| 50 | 52 | 4.736 | 4.786 | 0.050 |
| 50 | 53 | 4.178 | 4.203 | 0.025 |
| 50 | 54 | 4.016 | 4.392 | 0.376 |
| 55 | 55 | 4.757 | 4.318 | -0.439 |
| 55 | 56 | 4.676 | 4.240 | -0.436 |
| 55 | 57 | 4.278 | 4.681 | 0.403 |
| 55 | 58 | 3.965 | 4.606 | 0.641 |
| 55 | 59 | 4.603 | 4.017 | -0.586 |
| 100 | 60 | 4.147 | 4.295 | 0.148 |
| 100 | 61 | 4.587 | 4.685 | 0.098 |
| 100 | 62 | 4.063 | 4.218 | 0.155 |
| 100 | 63 | 4.331 | 3.889 | -0.442 |
| 100 | 64 | 4.507 | 4.009 | -0.498 |
| 105 | 65 | 4.073 | 4.002 | -0.071 |
| 105 | 66 | 4.630 | 4.207 | -0.423 |
| 105 | 67 | 4.626 | 4.640 | 0.014 |
| 105 | 68 | 4.385 | 4.165 | -0.220 |
| 105 | 69 | 4.655 | 4.240 | -0.415 |
| | Max | 4.814 | 4.786 | 0.895 |
| | Average | 4.393 | 4.314 | -0.079 |
| | Min | 3.853 | 3.842 | -0.749 |
| | Std Dev | 0.271 | 0.276 | 0.380 |




| | 5.4_tpd_SEQ_SU/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 4.167 | 3.880 | 3.878 | 3.842 | 4.047 | 4.004 | 3.979 | 3.992 | 4.017 | 3.889 | 4.002 |
| Average | 4.567 | 4.507 | 4.152 | 4.204 | 4.237 | 4.316 | 4.387 | 4.345 | 4.372 | 4.219 | 4.251 |
| Max | 4.777 | 4.778 | 4.476 | 4.523 | 4.358 | 4.597 | 4.748 | 4.786 | 4.681 | 4.685 | 4.640 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

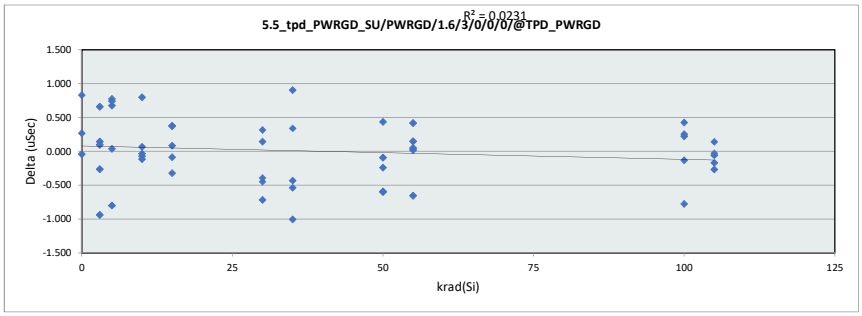


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

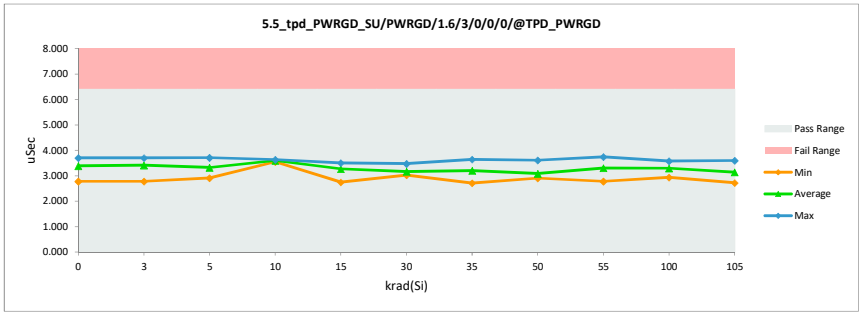
| | 5.5_tpd_PWRGD_SU/PWR | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.869 | 3.705 | 0.836 |
| 0 | 14 | 3.404 | 3.676 | 0.272 |
| 0 | 15 | 2.820 | 2.783 | -0.037 |
| 3 | 20 | 3.606 | 3.707 | 0.101 |
| 3 | 21 | 3.028 | 3.692 | 0.664 |
| 3 | 22 | 3.570 | 3.313 | -0.257 |
| 3 | 23 | 3.713 | 2.781 | -0.932 |
| 3 | 24 | 3.453 | 3.600 | 0.147 |
| 5 | 25 | 2.911 | 2.954 | 0.043 |
| 5 | 26 | 2.722 | 3.404 | 0.682 |
| 5 | 27 | 2.873 | 3.651 | 0.778 |
| 5 | 28 | 2.965 | 3.711 | 0.746 |
| 5 | 29 | 3.708 | 2.913 | -0.795 |
| 10 | 30 | 3.620 | 3.591 | -0.029 |
| 10 | 31 | 2.836 | 3.640 | 0.804 |
| 10 | 32 | 3.702 | 3.636 | -0.066 |
| 10 | 33 | 3.700 | 3.591 | -0.109 |
| 10 | 34 | 3.480 | 3.551 | 0.071 |
| 15 | 35 | 3.124 | 3.506 | 0.382 |
| 15 | 36 | 3.713 | 3.398 | -0.315 |
| 15 | 37 | 3.326 | 3.416 | 0.090 |
| 15 | 38 | 2.834 | 2.753 | -0.081 |
| 15 | 39 | 2.931 | 3.309 | 0.378 |
| 30 | 40 | 3.158 | 3.479 | 0.321 |
| 30 | 41 | 3.555 | 3.110 | -0.445 |
| 30 | 42 | 3.745 | 3.034 | -0.711 |
| 30 | 43 | 2.952 | 3.101 | 0.149 |
| 30 | 44 | 3.510 | 3.123 | -0.387 |
| 35 | 45 | 2.736 | 3.646 | 0.910 |
| 35 | 46 | 3.289 | 3.633 | 0.344 |
| 35 | 47 | 3.610 | 3.078 | -0.532 |
| 35 | 48 | 3.715 | 2.717 | -0.998 |
| 35 | 49 | 3.396 | 2.970 | -0.426 |
| 50 | 50 | 3.602 | 3.014 | -0.588 |
| 50 | 51 | 3.174 | 3.613 | 0.439 |
| 50 | 52 | 2.996 | 2.908 | -0.088 |
| 50 | 53 | 3.538 | 2.944 | -0.594 |
| 50 | 54 | 3.192 | 2.957 | -0.235 |
| 55 | 55 | 3.510 | 3.535 | 0.025 |
| 55 | 56 | 3.592 | 3.745 | 0.153 |
| 55 | 57 | 3.101 | 3.155 | 0.054 |
| 55 | 58 | 3.434 | 2.785 | -0.649 |
| 55 | 59 | 2.899 | 3.322 | 0.423 |
| 100 | 60 | 3.711 | 2.940 | -0.771 |
| 100 | 61 | 3.350 | 3.578 | 0.228 |
| 100 | 62 | 3.479 | 3.353 | -0.126 |
| 100 | 63 | 3.134 | 3.564 | 0.430 |
| 100 | 64 | 2.816 | 3.075 | 0.259 |
| 105 | 65 | 3.624 | 3.599 | -0.025 |
| 105 | 66 | 3.195 | 3.032 | -0.163 |
| 105 | 67 | 3.546 | 3.284 | -0.262 |
| 105 | 68 | 2.923 | 3.069 | 0.146 |
| 105 | 69 | 2.779 | 2.725 | -0.054 |
| | Max | 3.745 | 3.745 | 0.910 |
| | Average | 3.286 | 3.290 | 0.004 |
| | Min | 2.722 | 2.717 | -0.998 |
| | Std Dev | 0.332 | 0.327 | 0.471 |




| | 5.5_tpd_PWRGD_SU/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.783 | 2.781 | 2.913 | 3.551 | 2.753 | 3.034 | 2.717 | 2.908 | 2.785 | 2.940 | 2.725 |
| Average | 3.388 | 3.419 | 3.327 | 3.602 | 3.276 | 3.169 | 3.209 | 3.087 | 3.308 | 3.302 | 3.142 |
| Max | 3.705 | 3.707 | 3.711 | 3.640 | 3.506 | 3.479 | 3.646 | 3.613 | 3.745 | 3.578 | 3.599 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

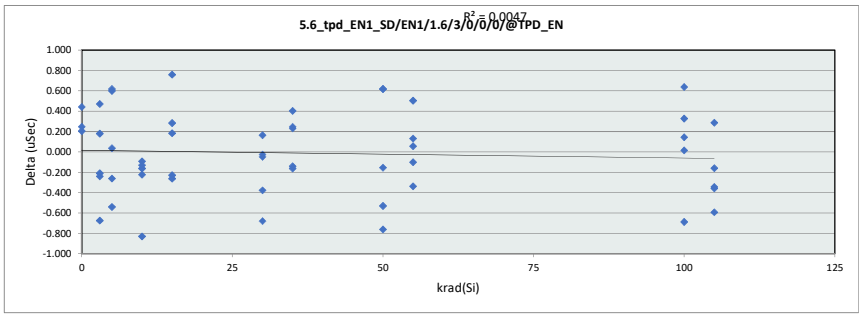


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

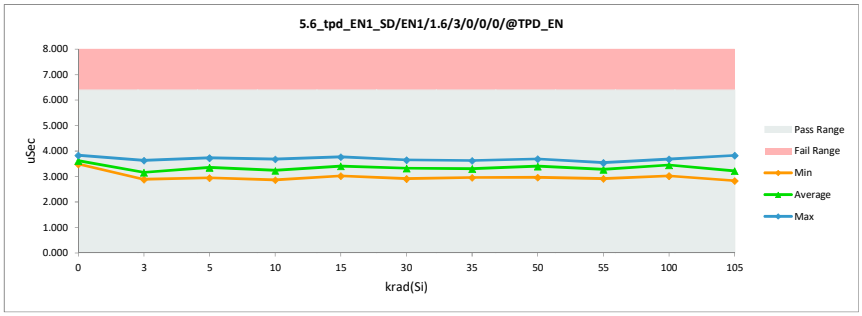
| | 5.6_tpd_EN1_SD/EN1/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.237 | 3.488 | 0.251 |
| 0 | 14 | 3.326 | 3.534 | 0.208 |
| 0 | 15 | 3.393 | 3.838 | 0.445 |
| 3 | 20 | 3.449 | 3.633 | 0.184 |
| 3 | 21 | 3.198 | 2.990 | -0.208 |
| 3 | 22 | 3.562 | 2.890 | -0.672 |
| 3 | 23 | 2.888 | 3.363 | 0.475 |
| 3 | 24 | 3.189 | 2.953 | -0.236 |
| 5 | 25 | 3.205 | 2.947 | -0.258 |
| 5 | 26 | 2.846 | 3.448 | 0.602 |
| 5 | 27 | 3.603 | 3.643 | 0.040 |
| 5 | 28 | 3.110 | 3.731 | 0.621 |
| 5 | 29 | 3.558 | 3.020 | -0.538 |
| 10 | 30 | 3.702 | 3.612 | -0.090 |
| 10 | 31 | 3.694 | 2.867 | -0.827 |
| 10 | 32 | 3.145 | 2.985 | -0.160 |
| 10 | 33 | 3.293 | 3.072 | -0.221 |
| 10 | 34 | 3.813 | 3.686 | -0.127 |
| 15 | 35 | 3.288 | 3.029 | -0.259 |
| 15 | 36 | 3.468 | 3.243 | -0.225 |
| 15 | 37 | 3.482 | 3.769 | 0.287 |
| 15 | 38 | 3.192 | 3.379 | 0.187 |
| 15 | 39 | 2.878 | 3.641 | 0.763 |
| 30 | 40 | 3.426 | 3.404 | -0.022 |
| 30 | 41 | 3.490 | 3.657 | 0.167 |
| 30 | 42 | 3.594 | 2.917 | -0.677 |
| 30 | 43 | 3.776 | 3.402 | -0.374 |
| 30 | 44 | 3.317 | 3.272 | -0.045 |
| 35 | 45 | 2.930 | 3.336 | 0.406 |
| 35 | 46 | 3.659 | 3.500 | -0.159 |
| 35 | 47 | 2.885 | 3.120 | 0.235 |
| 35 | 48 | 3.097 | 2.960 | -0.137 |
| 35 | 49 | 3.375 | 3.626 | 0.251 |
| 50 | 50 | 3.790 | 3.638 | -0.152 |
| 50 | 51 | 3.074 | 3.696 | 0.622 |
| 50 | 52 | 3.029 | 3.650 | 0.621 |
| 50 | 53 | 3.819 | 3.060 | -0.759 |
| 50 | 54 | 3.498 | 2.971 | -0.527 |
| 55 | 55 | 3.019 | 2.921 | -0.098 |
| 55 | 56 | 3.370 | 3.035 | -0.335 |
| 55 | 57 | 3.486 | 3.546 | 0.060 |
| 55 | 58 | 2.845 | 3.353 | 0.508 |
| 55 | 59 | 3.402 | 3.537 | 0.135 |
| 100 | 60 | 3.713 | 3.029 | -0.684 |
| 100 | 61 | 3.463 | 3.481 | 0.018 |
| 100 | 62 | 3.134 | 3.465 | 0.331 |
| 100 | 63 | 3.541 | 3.688 | 0.147 |
| 100 | 64 | 2.961 | 3.602 | 0.641 |
| 105 | 65 | 3.597 | 3.258 | -0.339 |
| 105 | 66 | 3.513 | 3.159 | -0.354 |
| 105 | 67 | 3.191 | 3.035 | -0.156 |
| 105 | 68 | 3.428 | 2.839 | -0.589 |
| 105 | 69 | 3.540 | 3.830 | 0.290 |
| | Max | 3.819 | 3.838 | 0.763 |
| | Average | 3.349 | 3.335 | -0.014 |
| | Min | 2.845 | 2.839 | -0.827 |
| | Std Dev | 0.274 | 0.304 | 0.405 |




| | 5.6_tpd_EN1_SD/EN1/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.488 | 2.890 | 2.947 | 2.867 | 3.029 | 2.917 | 2.960 | 2.971 | 2.921 | 3.029 | 2.839 |
| Average | 3.620 | 3.166 | 3.358 | 3.244 | 3.412 | 3.330 | 3.308 | 3.403 | 3.278 | 3.453 | 3.224 |
| Max | 3.838 | 3.633 | 3.731 | 3.686 | 3.769 | 3.657 | 3.626 | 3.696 | 3.546 | 3.688 | 3.830 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

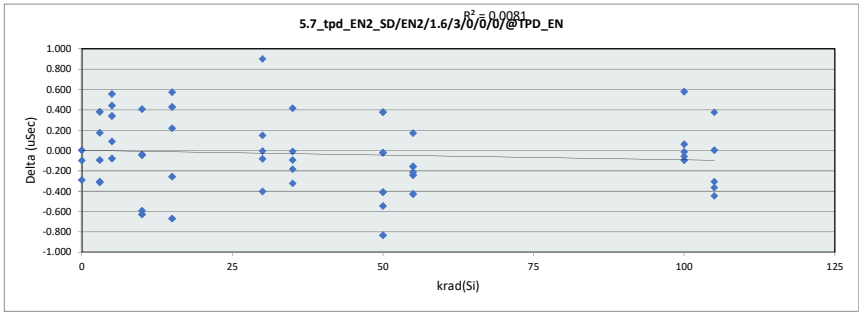


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

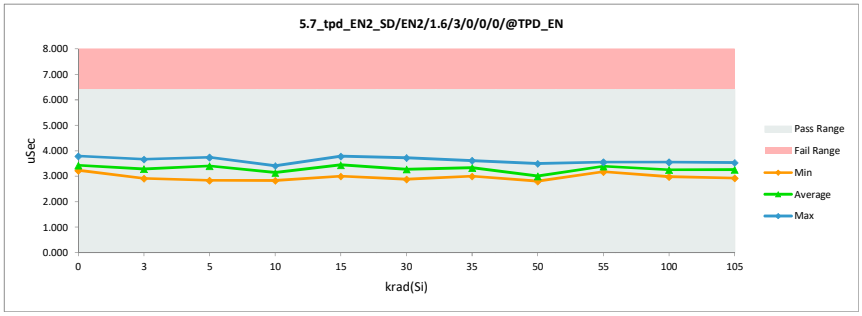
| | 5.7_tpd_EN2_SD/EN2/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.326 | 3.231 | -0.095 |
| 0 | 14 | 3.555 | 3.269 | -0.286 |
| 0 | 15 | 3.784 | 3.791 | 0.007 |
| 3 | 20 | 2.981 | 3.160 | 0.179 |
| 3 | 21 | 3.455 | 3.147 | -0.308 |
| 3 | 22 | 3.215 | 2.913 | -0.302 |
| 3 | 23 | 3.754 | 3.665 | -0.089 |
| 3 | 24 | 3.167 | 3.551 | 0.384 |
| 5 | 25 | 3.021 | 3.365 | 0.344 |
| 5 | 26 | 2.913 | 2.838 | -0.075 |
| 5 | 27 | 2.842 | 3.401 | 0.559 |
| 5 | 28 | 3.649 | 3.743 | 0.094 |
| 5 | 29 | 3.228 | 3.673 | 0.445 |
| 10 | 30 | 3.421 | 2.832 | -0.589 |
| 10 | 31 | 3.315 | 3.280 | -0.035 |
| 10 | 32 | 3.056 | 3.016 | -0.040 |
| 10 | 33 | 3.003 | 3.413 | 0.410 |
| 10 | 34 | 3.805 | 3.181 | -0.624 |
| 15 | 35 | 3.667 | 3.002 | -0.665 |
| 15 | 36 | 3.136 | 3.713 | 0.577 |
| 15 | 37 | 3.064 | 3.286 | 0.222 |
| 15 | 38 | 3.704 | 3.450 | -0.254 |
| 15 | 39 | 3.351 | 3.783 | 0.432 |
| 30 | 40 | 3.801 | 3.723 | -0.078 |
| 30 | 41 | 3.280 | 2.881 | -0.399 |
| 30 | 42 | 3.046 | 3.044 | -0.002 |
| 30 | 43 | 2.822 | 3.727 | 0.905 |
| 30 | 44 | 2.831 | 2.983 | 0.152 |
| 35 | 45 | 3.622 | 3.617 | -0.005 |
| 35 | 46 | 3.568 | 3.250 | -0.318 |
| 35 | 47 | 2.889 | 3.307 | 0.418 |
| 35 | 48 | 3.088 | 2.998 | -0.090 |
| 35 | 49 | 3.657 | 3.478 | -0.179 |
| 50 | 50 | 3.645 | 2.816 | -0.829 |
| 50 | 51 | 3.116 | 3.497 | 0.381 |
| 50 | 52 | 3.289 | 2.883 | -0.406 |
| 50 | 53 | 2.823 | 2.805 | -0.018 |
| 50 | 54 | 3.580 | 3.039 | -0.541 |
| 55 | 55 | 3.246 | 3.421 | 0.175 |
| 55 | 56 | 3.791 | 3.553 | -0.238 |
| 55 | 57 | 3.689 | 3.480 | -0.209 |
| 55 | 58 | 3.769 | 3.346 | -0.423 |
| 55 | 59 | 3.327 | 3.173 | -0.154 |
| 100 | 60 | 3.562 | 3.552 | -0.010 |
| 100 | 61 | 3.034 | 2.980 | -0.054 |
| 100 | 62 | 2.964 | 3.546 | 0.582 |
| 100 | 63 | 3.172 | 3.081 | -0.091 |
| 100 | 64 | 3.040 | 3.105 | 0.065 |
| 105 | 65 | 3.367 | 2.925 | -0.442 |
| 105 | 66 | 3.007 | 3.387 | 0.380 |
| 105 | 67 | 3.290 | 2.988 | -0.302 |
| 105 | 68 | 3.530 | 3.537 | 0.007 |
| 105 | 69 | 3.824 | 3.465 | -0.359 |
| | Max | 3.824 | 3.791 | 0.905 |
| | Average | 3.322 | 3.288 | -0.034 |
| | Min | 2.822 | 2.805 | -0.829 |
| | Std Dev | 0.313 | 0.294 | 0.364 |




| | 5.7_tpd_EN2_SD/EN2/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.231 | 2.913 | 2.838 | 2.832 | 3.002 | 2.881 | 2.998 | 2.805 | 3.173 | 2.980 | 2.925 |
| Average | 3.430 | 3.287 | 3.404 | 3.144 | 3.447 | 3.272 | 3.330 | 3.008 | 3.395 | 3.253 | 3.260 |
| Max | 3.791 | 3.665 | 3.743 | 3.413 | 3.783 | 3.727 | 3.617 | 3.497 | 3.553 | 3.552 | 3.537 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

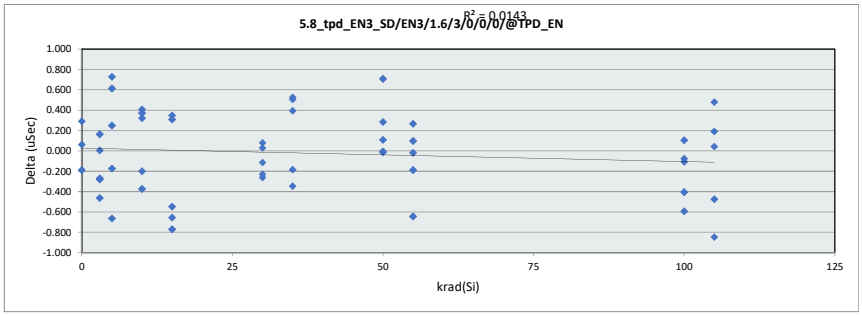


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

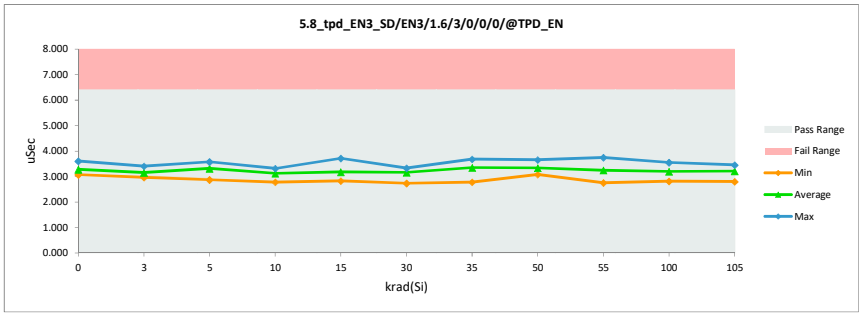
| | 5.8_tpd_EN3_SD/EN3/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.261 | 3.076 | -0.185 |
| 0 | 14 | 3.310 | 3.605 | 0.295 |
| 0 | 15 | 3.098 | 3.163 | 0.065 |
| 3 | 20 | 3.535 | 3.076 | -0.459 |
| 3 | 21 | 2.870 | 3.036 | 0.166 |
| 3 | 22 | 3.244 | 2.968 | -0.276 |
| 3 | 23 | 3.676 | 3.409 | -0.267 |
| 3 | 24 | 3.296 | 3.304 | 0.008 |
| 5 | 25 | 2.812 | 3.542 | 0.730 |
| 5 | 26 | 3.535 | 2.875 | -0.660 |
| 5 | 27 | 2.873 | 3.124 | 0.251 |
| 5 | 28 | 2.859 | 3.475 | 0.616 |
| 5 | 29 | 3.747 | 3.577 | -0.170 |
| 10 | 30 | 3.152 | 2.780 | -0.372 |
| 10 | 31 | 3.314 | 3.118 | -0.196 |
| 10 | 32 | 2.831 | 3.206 | 0.375 |
| 10 | 33 | 2.885 | 3.210 | 0.325 |
| 10 | 34 | 2.906 | 3.317 | 0.411 |
| 15 | 35 | 3.075 | 3.388 | 0.313 |
| 15 | 36 | 3.679 | 2.912 | -0.767 |
| 15 | 37 | 3.618 | 3.073 | -0.545 |
| 15 | 38 | 3.365 | 3.717 | 0.352 |
| 15 | 39 | 3.482 | 2.829 | -0.653 |
| 30 | 40 | 3.355 | 3.128 | -0.227 |
| 30 | 41 | 3.245 | 3.329 | 0.084 |
| 30 | 42 | 3.250 | 3.283 | 0.033 |
| 30 | 43 | 2.996 | 2.737 | -0.259 |
| 30 | 44 | 3.446 | 3.334 | -0.112 |
| 35 | 45 | 3.285 | 3.682 | 0.397 |
| 35 | 46 | 2.958 | 3.466 | 0.508 |
| 35 | 47 | 2.964 | 2.782 | -0.182 |
| 35 | 48 | 3.641 | 3.297 | -0.344 |
| 35 | 49 | 3.009 | 3.539 | 0.530 |
| 50 | 50 | 2.800 | 3.088 | 0.288 |
| 50 | 51 | 3.314 | 3.312 | -0.002 |
| 50 | 52 | 2.839 | 3.551 | 0.712 |
| 50 | 53 | 3.546 | 3.657 | 0.111 |
| 50 | 54 | 3.094 | 3.083 | -0.011 |
| 55 | 55 | 3.650 | 3.752 | 0.102 |
| 55 | 56 | 3.400 | 3.669 | 0.269 |
| 55 | 57 | 3.004 | 2.988 | -0.016 |
| 55 | 58 | 2.944 | 2.759 | -0.185 |
| 55 | 59 | 3.722 | 3.081 | -0.641 |
| 100 | 60 | 3.656 | 3.552 | -0.104 |
| 100 | 61 | 3.406 | 2.816 | -0.590 |
| 100 | 62 | 3.322 | 3.248 | -0.074 |
| 100 | 63 | 3.314 | 2.912 | -0.402 |
| 100 | 64 | 3.369 | 3.477 | 0.108 |
| 105 | 65 | 3.410 | 3.456 | 0.046 |
| 105 | 66 | 3.039 | 3.234 | 0.195 |
| 105 | 67 | 3.645 | 2.802 | -0.843 |
| 105 | 68 | 3.668 | 3.197 | -0.471 |
| 105 | 69 | 2.887 | 3.369 | 0.482 |
| | Max | 3.747 | 3.752 | 0.730 |
| | Average | 3.257 | 3.233 | -0.023 |
| | Min | 2.800 | 2.737 | -0.843 |
| | Std Dev | 0.291 | 0.283 | 0.390 |




| | 5.8_tpd_EN3_SD/EN3/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.076 | 2.968 | 2.875 | 2.780 | 2.829 | 2.737 | 2.782 | 3.083 | 2.759 | 2.816 | 2.802 |
| Average | 3.281 | 3.159 | 3.319 | 3.126 | 3.184 | 3.162 | 3.353 | 3.338 | 3.250 | 3.201 | 3.212 |
| Max | 3.605 | 3.409 | 3.577 | 3.317 | 3.717 | 3.334 | 3.682 | 3.657 | 3.752 | 3.552 | 3.456 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

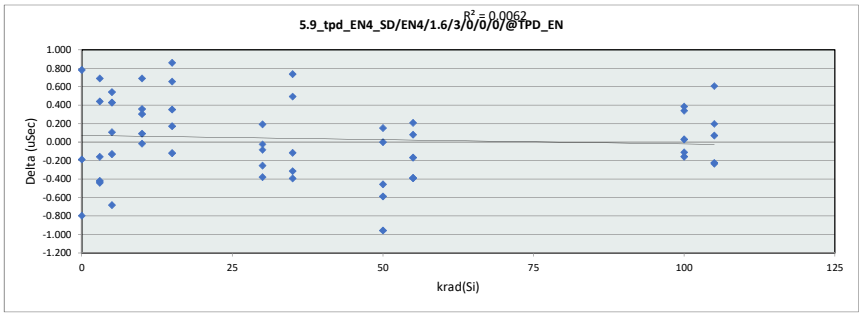


# TID HDR Report
# TPS7H3014-SP

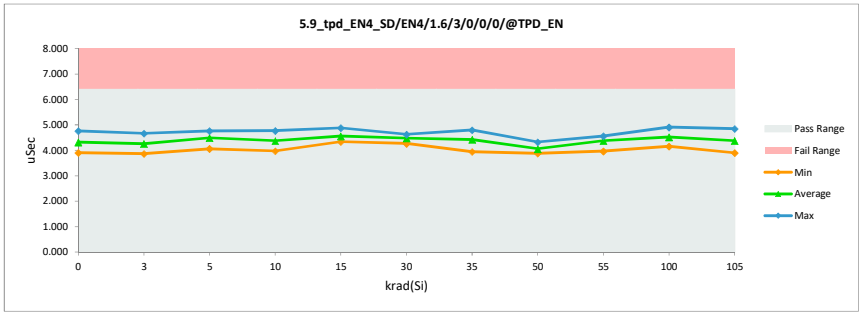
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.9_tpd_EN4_SD/EN4/1.6 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.704 | 3.911 | -0.793 |
| 0 | 14 | 3.982 | 4.767 | 0.785 |
| 0 | 15 | 4.479 | 4.295 | -0.184 |
| 3 | 20 | 3.974 | 4.667 | 0.693 |
| 3 | 21 | 4.141 | 4.586 | 0.445 |
| 3 | 22 | 4.228 | 4.074 | -0.154 |
| 3 | 23 | 4.562 | 4.126 | -0.436 |
| 3 | 24 | 4.288 | 3.872 | -0.416 |
| 5 | 25 | 4.741 | 4.064 | -0.677 |
| 5 | 26 | 4.653 | 4.765 | 0.112 |
| 5 | 27 | 4.290 | 4.723 | 0.433 |
| 5 | 28 | 4.374 | 4.248 | -0.126 |
| 5 | 29 | 4.110 | 4.656 | 0.546 |
| 10 | 30 | 3.883 | 3.978 | 0.095 |
| 10 | 31 | 4.413 | 4.775 | 0.362 |
| 10 | 32 | 3.995 | 4.688 | 0.693 |
| 10 | 33 | 4.054 | 4.362 | 0.308 |
| 10 | 34 | 4.118 | 4.106 | -0.012 |
| 15 | 35 | 4.650 | 4.535 | -0.115 |
| 15 | 36 | 4.020 | 4.376 | 0.356 |
| 15 | 37 | 3.812 | 4.674 | 0.862 |
| 15 | 38 | 4.224 | 4.883 | 0.659 |
| 15 | 39 | 4.167 | 4.343 | 0.176 |
| 30 | 40 | 4.870 | 4.620 | -0.250 |
| 30 | 41 | 4.801 | 4.426 | -0.375 |
| 30 | 42 | 4.539 | 4.460 | -0.079 |
| 30 | 43 | 4.433 | 4.629 | 0.196 |
| 30 | 44 | 4.290 | 4.271 | -0.019 |
| 35 | 45 | 4.909 | 4.798 | -0.111 |
| 35 | 46 | 3.883 | 4.380 | 0.497 |
| 35 | 47 | 3.906 | 4.647 | 0.741 |
| 35 | 48 | 4.262 | 3.952 | -0.310 |
| 35 | 49 | 4.761 | 4.372 | -0.389 |
| 50 | 50 | 4.173 | 4.177 | 0.004 |
| 50 | 51 | 4.869 | 3.917 | -0.952 |
| 50 | 52 | 4.175 | 4.331 | 0.156 |
| 50 | 53 | 4.461 | 4.009 | -0.452 |
| 50 | 54 | 4.468 | 3.884 | -0.584 |
| 55 | 55 | 4.615 | 4.451 | -0.164 |
| 55 | 56 | 4.284 | 4.369 | 0.085 |
| 55 | 57 | 4.336 | 4.549 | 0.213 |
| 55 | 58 | 4.349 | 3.966 | -0.383 |
| 55 | 59 | 4.949 | 4.563 | -0.386 |
| 100 | 60 | 4.492 | 4.386 | -0.106 |
| 100 | 61 | 4.311 | 4.158 | -0.153 |
| 100 | 62 | 4.017 | 4.361 | 0.344 |
| 100 | 63 | 4.522 | 4.912 | 0.390 |
| 100 | 64 | 4.783 | 4.817 | 0.034 |
| 105 | 65 | 4.025 | 4.227 | 0.202 |
| 105 | 66 | 4.330 | 4.405 | 0.075 |
| 105 | 67 | 4.754 | 4.534 | -0.220 |
| 105 | 68 | 4.241 | 4.852 | 0.611 |
| 105 | 69 | 4.132 | 3.901 | -0.231 |
| | Max | 4.949 | 4.912 | 0.862 |
| | Average | 4.355 | 4.392 | 0.038 |
| | Min | 3.812 | 3.872 | -0.952 |
| | Std Dev | 0.302 | 0.300 | 0.423 |




| | 5.9_tpd_EN4_SD/EN4/1. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.911 | 3.872 | 4.064 | 3.978 | 4.343 | 4.271 | 3.952 | 3.884 | 3.966 | 4.158 | 3.901 |
| Average | 4.324 | 4.265 | 4.491 | 4.382 | 4.562 | 4.481 | 4.430 | 4.064 | 4.380 | 4.527 | 4.384 |
| Max | 4.767 | 4.667 | 4.765 | 4.775 | 4.883 | 4.629 | 4.798 | 4.331 | 4.563 | 4.912 | 4.852 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

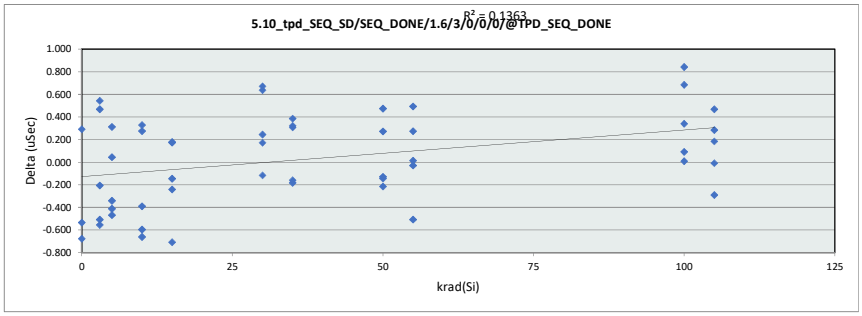


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

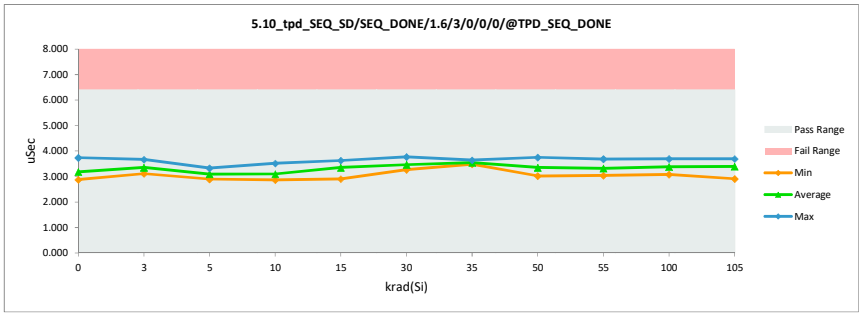
| | 5.10_tpd_SEQ_SD/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.618 | 2.943 | -0.675 |
| 0 | 14 | 3.449 | 3.743 | 0.294 |
| 0 | 15 | 3.411 | 2.879 | -0.532 |
| 3 | 20 | 3.367 | 3.164 | -0.203 |
| 3 | 21 | 3.621 | 3.116 | -0.505 |
| 3 | 22 | 3.124 | 3.669 | 0.545 |
| 3 | 23 | 3.754 | 3.201 | -0.553 |
| 3 | 24 | 3.172 | 3.642 | 0.470 |
| 5 | 25 | 3.603 | 3.138 | -0.465 |
| 5 | 26 | 2.851 | 2.898 | 0.047 |
| 5 | 27 | 3.398 | 3.059 | -0.339 |
| 5 | 28 | 3.463 | 3.053 | -0.410 |
| 5 | 29 | 3.018 | 3.332 | 0.314 |
| 10 | 30 | 2.950 | 3.281 | 0.331 |
| 10 | 31 | 3.324 | 2.937 | -0.387 |
| 10 | 32 | 3.245 | 3.522 | 0.277 |
| 10 | 33 | 3.463 | 2.869 | -0.594 |
| 10 | 34 | 3.555 | 2.896 | -0.659 |
| 15 | 35 | 3.339 | 3.519 | 0.180 |
| 15 | 36 | 3.774 | 3.630 | -0.144 |
| 15 | 37 | 3.434 | 3.610 | 0.176 |
| 15 | 38 | 3.614 | 2.908 | -0.706 |
| 15 | 39 | 3.353 | 3.114 | -0.239 |
| 30 | 40 | 2.896 | 3.535 | 0.639 |
| 30 | 41 | 3.098 | 3.772 | 0.674 |
| 30 | 42 | 3.216 | 3.462 | 0.246 |
| 30 | 43 | 3.422 | 3.308 | -0.114 |
| 30 | 44 | 3.100 | 3.274 | 0.174 |
| 35 | 45 | 3.204 | 3.528 | 0.324 |
| 35 | 46 | 3.172 | 3.560 | 0.388 |
| 35 | 47 | 3.799 | 3.643 | -0.156 |
| 35 | 48 | 3.690 | 3.510 | -0.180 |
| 35 | 49 | 3.174 | 3.484 | 0.310 |
| 50 | 50 | 3.235 | 3.023 | -0.212 |
| 50 | 51 | 3.280 | 3.756 | 0.476 |
| 50 | 52 | 3.469 | 3.342 | -0.127 |
| 50 | 53 | 3.717 | 3.575 | -0.142 |
| 50 | 54 | 2.804 | 3.079 | 0.275 |
| 55 | 55 | 3.071 | 3.044 | -0.027 |
| 55 | 56 | 3.078 | 3.093 | 0.015 |
| 55 | 57 | 3.317 | 3.593 | 0.276 |
| 55 | 58 | 3.717 | 3.211 | -0.506 |
| 55 | 59 | 3.196 | 3.691 | 0.495 |
| 100 | 60 | 2.812 | 3.498 | 0.686 |
| 100 | 61 | 3.070 | 3.081 | 0.011 |
| 100 | 62 | 2.849 | 3.693 | 0.844 |
| 100 | 63 | 2.875 | 3.217 | 0.342 |
| 100 | 64 | 3.321 | 3.415 | 0.094 |
| 105 | 65 | 3.336 | 3.330 | -0.006 |
| 105 | 66 | 3.223 | 3.693 | 0.470 |
| 105 | 67 | 3.249 | 3.535 | 0.286 |
| 105 | 68 | 3.335 | 3.522 | 0.187 |
| 105 | 69 | 3.199 | 2.911 | -0.288 |
| | Max | 3.799 | 3.772 | 0.844 |
| | Average | 3.299 | 3.330 | 0.032 |
| | Min | 2.804 | 2.869 | -0.706 |
| | Std Dev | 0.264 | 0.281 | 0.400 |




| | 5.10_tpd_SEQ_SD/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.879 | 3.116 | 2.898 | 2.869 | 2.908 | 3.274 | 3.484 | 3.023 | 3.044 | 3.081 | 2.911 |
| Average | 3.188 | 3.358 | 3.096 | 3.101 | 3.356 | 3.470 | 3.545 | 3.355 | 3.326 | 3.381 | 3.398 |
| Max | 3.743 | 3.669 | 3.332 | 3.522 | 3.630 | 3.772 | 3.643 | 3.756 | 3.691 | 3.693 | 3.693 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

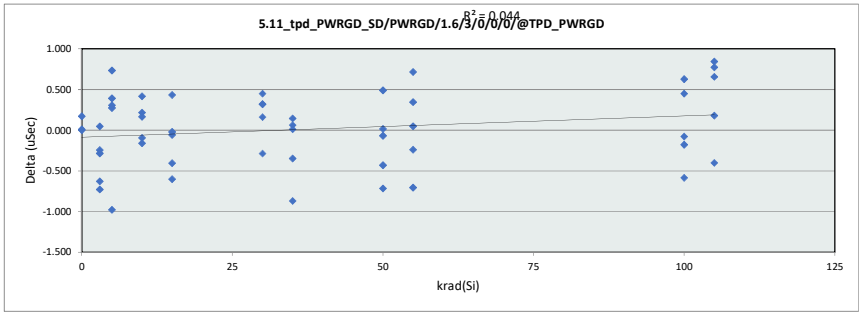


# TID HDR Report
# TPS7H3014-SP

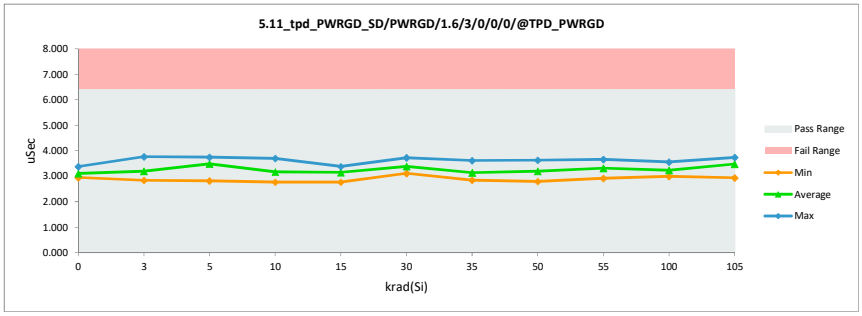
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.11_tpd_PWRGD_SD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.368 | 3.381 | 0.013 |
| 0 | 14 | 2.980 | 2.983 | 0.003 |
| 0 | 15 | 2.774 | 2.949 | 0.175 |
| 3 | 20 | 3.619 | 2.893 | -0.726 |
| 3 | 21 | 3.719 | 3.768 | 0.049 |
| 3 | 22 | 3.453 | 3.212 | -0.241 |
| 3 | 23 | 3.467 | 2.841 | -0.626 |
| 3 | 24 | 3.568 | 3.287 | -0.281 |
| 5 | 25 | 3.234 | 3.542 | 0.308 |
| 5 | 26 | 3.351 | 3.746 | 0.395 |
| 5 | 27 | 3.795 | 2.820 | -0.975 |
| 5 | 28 | 3.380 | 3.657 | 0.277 |
| 5 | 29 | 2.934 | 3.671 | 0.737 |
| 10 | 30 | 3.419 | 3.263 | -0.156 |
| 10 | 31 | 2.862 | 2.770 | -0.092 |
| 10 | 32 | 3.280 | 3.700 | 0.420 |
| 10 | 33 | 2.917 | 3.084 | 0.167 |
| 10 | 34 | 2.832 | 3.051 | 0.219 |
| 15 | 35 | 3.365 | 2.766 | -0.599 |
| 15 | 36 | 2.948 | 3.384 | 0.436 |
| 15 | 37 | 3.049 | 2.995 | -0.054 |
| 15 | 38 | 3.339 | 3.320 | -0.019 |
| 15 | 39 | 3.689 | 3.287 | -0.402 |
| 30 | 40 | 2.949 | 3.113 | 0.164 |
| 30 | 41 | 3.400 | 3.724 | 0.324 |
| 30 | 42 | 3.412 | 3.129 | -0.283 |
| 30 | 43 | 2.976 | 3.298 | 0.322 |
| 30 | 44 | 3.215 | 3.668 | 0.453 |
| 35 | 45 | 3.195 | 3.343 | 0.148 |
| 35 | 46 | 3.722 | 2.855 | -0.867 |
| 35 | 47 | 3.604 | 3.619 | 0.015 |
| 35 | 48 | 2.965 | 3.030 | 0.065 |
| 35 | 49 | 3.193 | 2.848 | -0.345 |
| 50 | 50 | 3.139 | 3.632 | 0.493 |
| 50 | 51 | 3.501 | 3.074 | -0.427 |
| 50 | 52 | 3.024 | 3.043 | 0.019 |
| 50 | 53 | 3.505 | 3.441 | -0.064 |
| 50 | 54 | 3.509 | 2.796 | -0.713 |
| 55 | 55 | 3.656 | 2.953 | -0.703 |
| 55 | 56 | 2.942 | 3.659 | 0.717 |
| 55 | 57 | 3.439 | 3.491 | 0.052 |
| 55 | 58 | 3.214 | 3.561 | 0.347 |
| 55 | 59 | 3.153 | 2.917 | -0.236 |
| 100 | 60 | 3.578 | 2.996 | -0.582 |
| 100 | 61 | 2.863 | 3.316 | 0.453 |
| 100 | 62 | 2.929 | 3.558 | 0.629 |
| 100 | 63 | 3.386 | 3.210 | -0.176 |
| 100 | 64 | 3.174 | 3.098 | -0.076 |
| 105 | 65 | 2.965 | 3.741 | 0.776 |
| 105 | 66 | 2.783 | 3.630 | 0.847 |
| 105 | 67 | 3.335 | 2.936 | -0.399 |
| 105 | 68 | 3.421 | 3.604 | 0.183 |
| 105 | 69 | 2.830 | 3.489 | 0.659 |
| | Max | 3.795 | 3.768 | 0.847 |
| | Average | 3.251 | 3.267 | 0.016 |
| | Min | 2.774 | 2.766 | -0.975 |
| | Std Dev | 0.284 | 0.316 | 0.446 |




| | 5.11_tpd_PWRGD_SD/P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.949 | 2.841 | 2.820 | 2.770 | 2.766 | 3.113 | 2.848 | 2.796 | 2.917 | 2.996 | 2.936 |
| Average | 3.104 | 3.200 | 3.487 | 3.174 | 3.150 | 3.386 | 3.139 | 3.197 | 3.316 | 3.236 | 3.480 |
| Max | 3.381 | 3.768 | 3.746 | 3.700 | 3.384 | 3.724 | 3.619 | 3.632 | 3.659 | 3.558 | 3.741 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

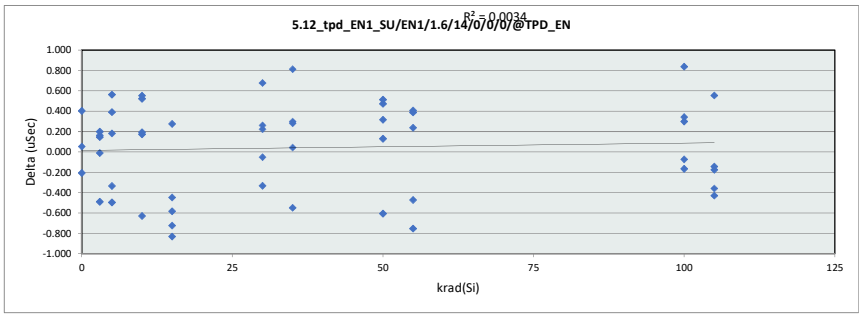


# TID HDR Report
# TPS7H3014-SP

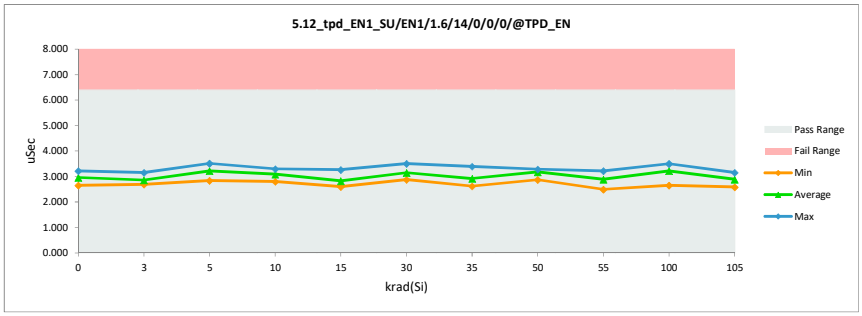
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.12_tpd_EN1_SU/EN1/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.818 | 3.224 | 0.406 |
| 0 | 14 | 2.855 | 2.652 | -0.203 |
| 0 | 15 | 2.954 | 3.010 | 0.056 |
| 3 | 20 | 3.009 | 3.159 | 0.150 |
| 3 | 21 | 2.662 | 2.863 | 0.201 |
| 3 | 22 | 2.530 | 2.695 | 0.165 |
| 3 | 23 | 2.711 | 2.703 | -0.008 |
| 3 | 24 | 3.392 | 2.906 | -0.486 |
| 5 | 25 | 3.258 | 2.927 | -0.331 |
| 5 | 26 | 3.234 | 3.420 | 0.186 |
| 5 | 27 | 2.950 | 3.517 | 0.567 |
| 5 | 28 | 3.341 | 2.847 | -0.494 |
| 5 | 29 | 2.998 | 3.392 | 0.394 |
| 10 | 30 | 3.429 | 2.803 | -0.626 |
| 10 | 31 | 3.123 | 3.300 | 0.177 |
| 10 | 32 | 2.829 | 3.025 | 0.196 |
| 10 | 33 | 2.600 | 3.126 | 0.526 |
| 10 | 34 | 2.642 | 3.198 | 0.556 |
| 15 | 35 | 3.442 | 2.862 | -0.580 |
| 15 | 36 | 2.993 | 3.271 | 0.278 |
| 15 | 37 | 3.431 | 2.603 | -0.828 |
| 15 | 38 | 3.105 | 2.661 | -0.444 |
| 15 | 39 | 3.470 | 2.749 | -0.721 |
| 30 | 40 | 2.930 | 2.881 | -0.049 |
| 30 | 41 | 3.341 | 3.011 | -0.330 |
| 30 | 42 | 3.285 | 3.511 | 0.226 |
| 30 | 43 | 2.892 | 3.156 | 0.264 |
| 30 | 44 | 2.502 | 3.183 | 0.681 |
| 35 | 45 | 3.267 | 2.722 | -0.545 |
| 35 | 46 | 2.687 | 2.988 | 0.301 |
| 35 | 47 | 2.589 | 2.874 | 0.285 |
| 35 | 48 | 2.578 | 2.625 | 0.047 |
| 35 | 49 | 2.584 | 3.400 | 0.816 |
| 50 | 50 | 3.155 | 3.288 | 0.133 |
| 50 | 51 | 3.477 | 2.874 | -0.603 |
| 50 | 52 | 2.806 | 3.283 | 0.477 |
| 50 | 53 | 2.930 | 3.249 | 0.319 |
| 50 | 54 | 2.707 | 3.224 | 0.517 |
| 55 | 55 | 2.547 | 2.958 | 0.411 |
| 55 | 56 | 2.865 | 3.106 | 0.241 |
| 55 | 57 | 3.411 | 2.661 | -0.750 |
| 55 | 58 | 2.967 | 2.499 | -0.468 |
| 55 | 59 | 2.830 | 3.222 | 0.392 |
| 100 | 60 | 2.561 | 3.402 | 0.841 |
| 100 | 61 | 3.180 | 3.483 | 0.303 |
| 100 | 62 | 3.232 | 3.069 | -0.163 |
| 100 | 63 | 3.156 | 3.501 | 0.345 |
| 100 | 64 | 2.727 | 2.658 | -0.069 |
| 105 | 65 | 3.125 | 2.769 | -0.356 |
| 105 | 66 | 3.022 | 2.882 | -0.140 |
| 105 | 67 | 3.488 | 3.062 | -0.426 |
| 105 | 68 | 2.603 | 3.161 | 0.558 |
| 105 | 69 | 2.761 | 2.588 | -0.173 |
| | Max | 3.488 | 3.517 | 0.841 |
| | Average | 2.981 | 3.023 | 0.042 |
| | Min | 2.502 | 2.499 | -0.828 |
| | Std Dev | 0.303 | 0.281 | 0.433 |




| | 5.12_tpd_EN1_SU/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.652 | 2.695 | 2.847 | 2.803 | 2.603 | 2.881 | 2.625 | 2.874 | 2.499 | 2.658 | 2.588 |
| Average | 2.962 | 2.865 | 3.221 | 3.090 | 2.829 | 3.148 | 2.922 | 3.184 | 2.889 | 3.223 | 2.892 |
| Max | 3.224 | 3.159 | 3.517 | 3.300 | 3.271 | 3.511 | 3.400 | 3.288 | 3.222 | 3.501 | 3.161 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

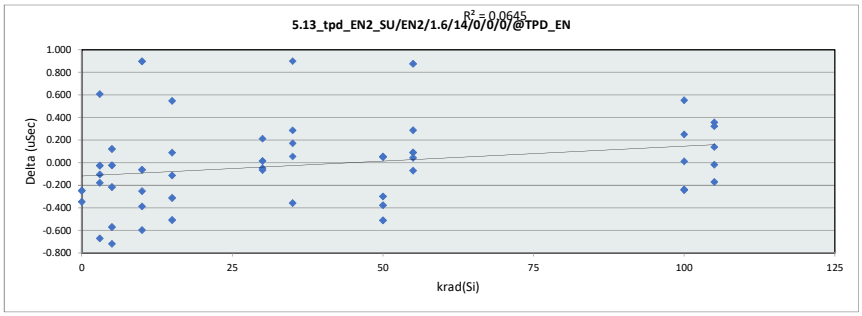


# TID HDR Report
# TPS7H3014-SP

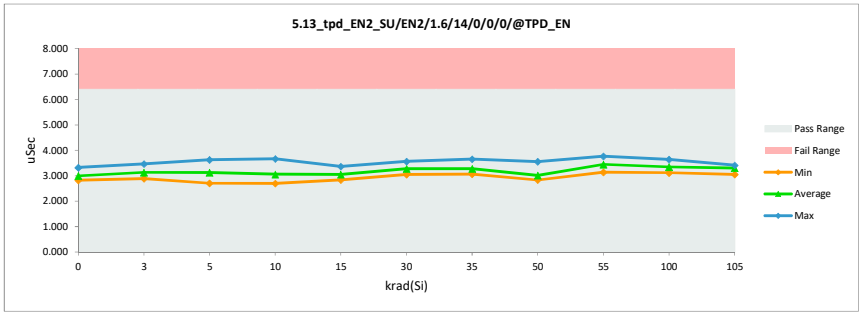
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.13_tpd_EN2_SU/EN2/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.171 | 2.828 | -0.343 |
| 0 | 14 | 3.082 | 2.836 | -0.246 |
| 0 | 15 | 3.571 | 3.326 | -0.245 |
| 3 | 20 | 3.462 | 3.360 | -0.102 |
| 3 | 21 | 2.860 | 3.470 | 0.610 |
| 3 | 22 | 3.066 | 2.891 | -0.175 |
| 3 | 23 | 3.048 | 3.024 | -0.024 |
| 3 | 24 | 3.584 | 2.917 | -0.667 |
| 5 | 25 | 3.424 | 2.707 | -0.717 |
| 5 | 26 | 3.417 | 3.203 | -0.214 |
| 5 | 27 | 3.243 | 3.366 | 0.123 |
| 5 | 28 | 3.651 | 3.630 | -0.021 |
| 5 | 29 | 3.317 | 2.750 | -0.567 |
| 10 | 30 | 3.029 | 2.968 | -0.061 |
| 10 | 31 | 3.087 | 2.702 | -0.385 |
| 10 | 32 | 3.343 | 2.749 | -0.594 |
| 10 | 33 | 2.774 | 3.674 | 0.900 |
| 10 | 34 | 3.471 | 3.222 | -0.249 |
| 15 | 35 | 2.957 | 3.048 | 0.091 |
| 15 | 36 | 3.345 | 3.036 | -0.309 |
| 15 | 37 | 3.346 | 2.841 | -0.505 |
| 15 | 38 | 2.822 | 3.372 | 0.550 |
| 15 | 39 | 3.094 | 2.984 | -0.110 |
| 30 | 40 | 3.137 | 3.352 | 0.215 |
| 30 | 41 | 3.045 | 3.062 | 0.017 |
| 30 | 42 | 3.117 | 3.054 | -0.063 |
| 30 | 43 | 3.614 | 3.568 | -0.046 |
| 30 | 44 | 3.332 | 3.350 | 0.018 |
| 35 | 45 | 3.227 | 3.400 | 0.173 |
| 35 | 46 | 3.425 | 3.069 | -0.356 |
| 35 | 47 | 2.755 | 3.656 | 0.901 |
| 35 | 48 | 2.877 | 3.165 | 0.288 |
| 35 | 49 | 3.055 | 3.113 | 0.058 |
| 50 | 50 | 3.139 | 2.842 | -0.297 |
| 50 | 51 | 3.500 | 3.558 | 0.058 |
| 50 | 52 | 3.336 | 2.962 | -0.374 |
| 50 | 53 | 3.345 | 2.837 | -0.508 |
| 50 | 54 | 2.817 | 2.870 | 0.053 |
| 55 | 55 | 3.211 | 3.143 | -0.068 |
| 55 | 56 | 2.919 | 3.209 | 0.290 |
| 55 | 57 | 3.395 | 3.487 | 0.092 |
| 55 | 58 | 2.765 | 3.643 | 0.878 |
| 55 | 59 | 3.724 | 3.770 | 0.046 |
| 100 | 60 | 3.170 | 3.423 | 0.253 |
| 100 | 61 | 3.358 | 3.122 | -0.236 |
| 100 | 62 | 3.400 | 3.414 | 0.014 |
| 100 | 63 | 3.092 | 3.647 | 0.555 |
| 100 | 64 | 3.397 | 3.158 | -0.239 |
| 105 | 65 | 2.700 | 3.059 | 0.359 |
| 105 | 66 | 3.587 | 3.419 | -0.168 |
| 105 | 67 | 3.074 | 3.400 | 0.326 |
| 105 | 68 | 3.269 | 3.254 | -0.015 |
| 105 | 69 | 3.256 | 3.398 | 0.142 |
| | Max | 3.724 | 3.770 | 0.901 |
| | Average | 3.211 | 3.194 | -0.017 |
| | Min | 2.700 | 2.702 | -0.717 |
| | Std Dev | 0.256 | 0.289 | 0.374 |




| | 5.13_tpd_EN2_SU/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.828 | 2.891 | 2.707 | 2.702 | 2.841 | 3.054 | 3.069 | 2.837 | 3.143 | 3.122 | 3.059 |
| Average | 2.997 | 3.132 | 3.131 | 3.063 | 3.056 | 3.277 | 3.281 | 3.014 | 3.450 | 3.353 | 3.306 |
| Max | 3.326 | 3.470 | 3.630 | 3.674 | 3.372 | 3.568 | 3.656 | 3.558 | 3.770 | 3.647 | 3.419 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

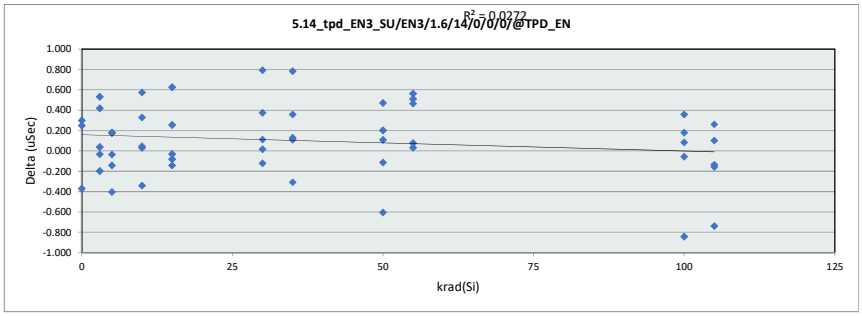


# TID HDR Report
# TPS7H3014-SP

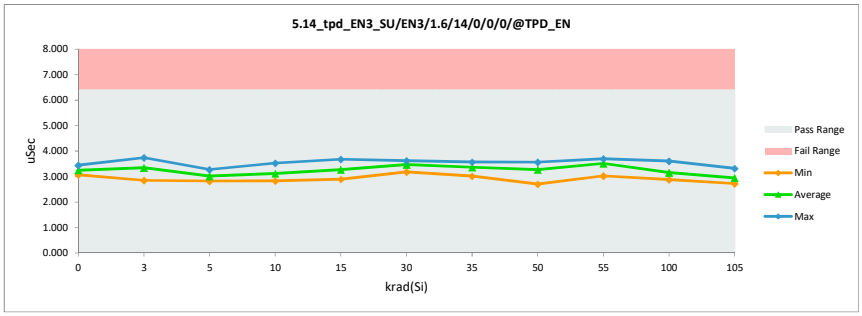
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.14_tpd_EN3_SU/EN3/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.139 | 3.441 | 0.302 |
| 0 | 14 | 3.598 | 3.231 | -0.367 |
| 0 | 15 | 2.821 | 3.073 | 0.252 |
| 3 | 20 | 3.346 | 3.316 | -0.030 |
| 3 | 21 | 3.320 | 3.742 | 0.422 |
| 3 | 22 | 3.265 | 3.306 | 0.041 |
| 3 | 23 | 3.046 | 2.851 | -0.195 |
| 3 | 24 | 2.971 | 3.505 | 0.534 |
| 5 | 25 | 3.358 | 2.957 | -0.401 |
| 5 | 26 | 2.720 | 2.899 | 0.179 |
| 5 | 27 | 3.165 | 3.133 | -0.032 |
| 5 | 28 | 2.962 | 2.823 | -0.139 |
| 5 | 29 | 3.092 | 3.276 | 0.184 |
| 10 | 30 | 3.170 | 3.202 | 0.032 |
| 10 | 31 | 2.778 | 2.827 | 0.049 |
| 10 | 32 | 3.280 | 2.942 | -0.338 |
| 10 | 33 | 2.793 | 3.125 | 0.332 |
| 10 | 34 | 2.949 | 3.526 | 0.577 |
| 15 | 35 | 2.740 | 3.370 | 0.630 |
| 15 | 36 | 3.420 | 3.679 | 0.259 |
| 15 | 37 | 3.009 | 2.930 | -0.079 |
| 15 | 38 | 3.534 | 3.506 | -0.028 |
| 15 | 39 | 3.034 | 2.895 | -0.139 |
| 30 | 40 | 3.504 | 3.618 | 0.114 |
| 30 | 41 | 3.658 | 3.539 | -0.119 |
| 30 | 42 | 2.787 | 3.584 | 0.797 |
| 30 | 43 | 3.160 | 3.179 | 0.019 |
| 30 | 44 | 3.035 | 3.413 | 0.378 |
| 35 | 45 | 2.752 | 3.539 | 0.787 |
| 35 | 46 | 3.326 | 3.020 | -0.306 |
| 35 | 47 | 3.364 | 3.477 | 0.113 |
| 35 | 48 | 3.212 | 3.574 | 0.362 |
| 35 | 49 | 3.087 | 3.219 | 0.132 |
| 50 | 50 | 3.679 | 3.568 | -0.111 |
| 50 | 51 | 3.163 | 3.367 | 0.204 |
| 50 | 52 | 3.129 | 3.240 | 0.111 |
| 50 | 53 | 3.303 | 2.702 | -0.601 |
| 50 | 54 | 3.029 | 3.503 | 0.474 |
| 55 | 55 | 3.155 | 3.668 | 0.513 |
| 55 | 56 | 2.948 | 3.026 | 0.078 |
| 55 | 57 | 3.131 | 3.697 | 0.566 |
| 55 | 58 | 3.534 | 3.569 | 0.035 |
| 55 | 59 | 3.160 | 3.627 | 0.467 |
| 100 | 60 | 2.807 | 2.989 | 0.182 |
| 100 | 61 | 3.723 | 2.884 | -0.839 |
| 100 | 62 | 2.761 | 3.123 | 0.362 |
| 100 | 63 | 3.517 | 3.604 | 0.087 |
| 100 | 64 | 3.230 | 3.176 | -0.054 |
| 105 | 65 | 2.877 | 2.744 | -0.133 |
| 105 | 66 | 3.067 | 3.171 | 0.104 |
| 105 | 67 | 3.059 | 3.322 | 0.263 |
| 105 | 68 | 3.462 | 2.726 | -0.736 |
| 105 | 69 | 2.909 | 2.756 | -0.153 |
| | Max | 3.723 | 3.742 | 0.797 |
| | Average | 3.152 | 3.249 | 0.097 |
| | Min | 2.720 | 2.702 | -0.839 |
| | Std Dev | 0.267 | 0.302 | 0.347 |




| | 5.14_tpd_EN3_SU/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.073 | 2.851 | 2.823 | 2.827 | 2.895 | 3.179 | 3.020 | 2.702 | 3.026 | 2.884 | 2.726 |
| Average | 3.248 | 3.344 | 3.018 | 3.124 | 3.276 | 3.467 | 3.366 | 3.276 | 3.517 | 3.155 | 2.944 |
| Max | 3.441 | 3.742 | 3.276 | 3.526 | 3.679 | 3.618 | 3.574 | 3.568 | 3.697 | 3.604 | 3.322 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

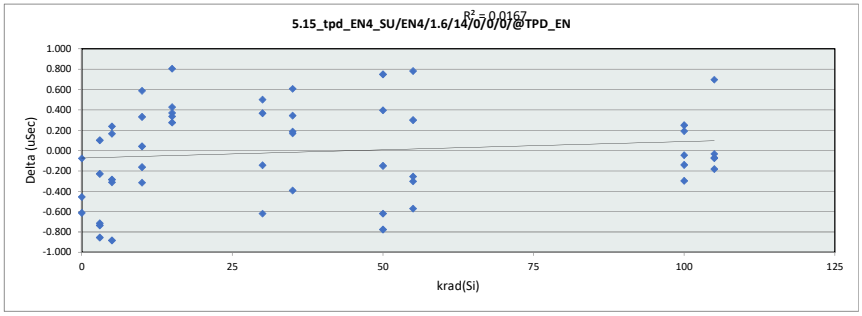


# TID HDR Report
# TPS7H3014-SP

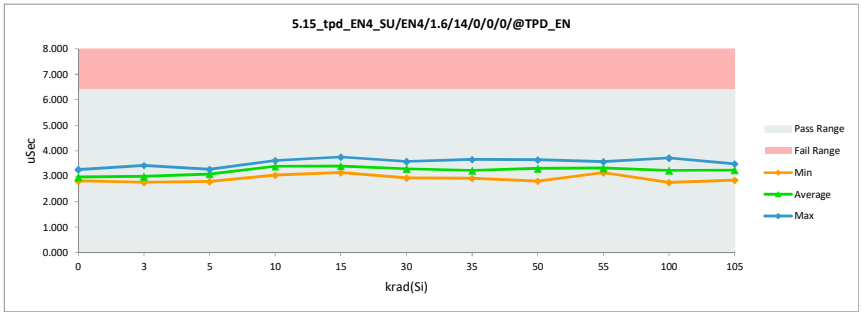
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.15_tpd_EN4_SU/EN4/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.435 | 2.825 | -0.610 |
| 0 | 14 | 3.336 | 3.263 | -0.073 |
| 0 | 15 | 3.270 | 2.817 | -0.453 |
| 3 | 20 | 3.493 | 2.761 | -0.732 |
| 3 | 21 | 3.645 | 3.420 | -0.225 |
| 3 | 22 | 3.623 | 2.771 | -0.852 |
| 3 | 23 | 3.773 | 3.062 | -0.711 |
| 3 | 24 | 2.847 | 2.951 | 0.104 |
| 5 | 25 | 3.582 | 3.273 | -0.309 |
| 5 | 26 | 2.870 | 3.110 | 0.240 |
| 5 | 27 | 3.040 | 3.209 | 0.169 |
| 5 | 28 | 3.678 | 2.798 | -0.880 |
| 5 | 29 | 3.320 | 3.037 | -0.283 |
| 10 | 30 | 3.470 | 3.158 | -0.312 |
| 10 | 31 | 3.283 | 3.617 | 0.334 |
| 10 | 32 | 3.497 | 3.541 | 0.044 |
| 10 | 33 | 3.206 | 3.046 | -0.160 |
| 10 | 34 | 3.009 | 3.599 | 0.590 |
| 15 | 35 | 2.853 | 3.283 | 0.430 |
| 15 | 36 | 2.773 | 3.145 | 0.372 |
| 15 | 37 | 2.914 | 3.191 | 0.277 |
| 15 | 38 | 3.416 | 3.755 | 0.339 |
| 15 | 39 | 2.819 | 3.626 | 0.807 |
| 30 | 40 | 3.550 | 2.934 | -0.616 |
| 30 | 41 | 2.917 | 3.286 | 0.369 |
| 30 | 42 | 3.211 | 3.581 | 0.370 |
| 30 | 43 | 3.230 | 3.090 | -0.140 |
| 30 | 44 | 3.054 | 3.557 | 0.503 |
| 35 | 45 | 3.046 | 3.655 | 0.609 |
| 35 | 46 | 2.788 | 3.135 | 0.347 |
| 35 | 47 | 3.206 | 3.377 | 0.171 |
| 35 | 48 | 3.313 | 2.923 | -0.390 |
| 35 | 49 | 2.856 | 3.046 | 0.190 |
| 50 | 50 | 3.081 | 3.479 | 0.398 |
| 50 | 51 | 3.692 | 3.075 | -0.617 |
| 50 | 52 | 3.579 | 2.806 | -0.773 |
| 50 | 53 | 2.896 | 3.648 | 0.752 |
| 50 | 54 | 3.655 | 3.508 | -0.147 |
| 55 | 55 | 3.707 | 3.139 | -0.568 |
| 55 | 56 | 2.790 | 3.575 | 0.785 |
| 55 | 57 | 3.104 | 3.406 | 0.302 |
| 55 | 58 | 3.492 | 3.192 | -0.300 |
| 55 | 59 | 3.544 | 3.292 | -0.252 |
| 100 | 60 | 2.887 | 3.138 | 0.251 |
| 100 | 61 | 3.307 | 3.012 | -0.295 |
| 100 | 62 | 3.569 | 3.527 | -0.042 |
| 100 | 63 | 3.522 | 3.716 | 0.194 |
| 100 | 64 | 2.893 | 2.756 | -0.137 |
| 105 | 65 | 3.198 | 3.126 | -0.072 |
| 105 | 66 | 2.784 | 3.483 | 0.699 |
| 105 | 67 | 2.917 | 2.849 | -0.068 |
| 105 | 68 | 3.270 | 3.240 | -0.030 |
| 105 | 69 | 3.669 | 3.491 | -0.178 |
| | Max | 3.773 | 3.755 | 0.807 |
| | Average | 3.243 | 3.232 | -0.011 |
| | Min | 2.773 | 2.756 | -0.880 |
| | Std Dev | 0.310 | 0.287 | 0.449 |




| | 5.15_tpd_EN4_SU/EN4/1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.817 | 2.761 | 2.798 | 3.046 | 3.145 | 2.934 | 2.923 | 2.806 | 3.139 | 2.756 | 2.849 |
| Average | 2.968 | 2.993 | 3.085 | 3.392 | 3.400 | 3.290 | 3.227 | 3.303 | 3.321 | 3.230 | 3.238 |
| Max | 3.263 | 3.420 | 3.273 | 3.617 | 3.755 | 3.581 | 3.655 | 3.648 | 3.575 | 3.716 | 3.491 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

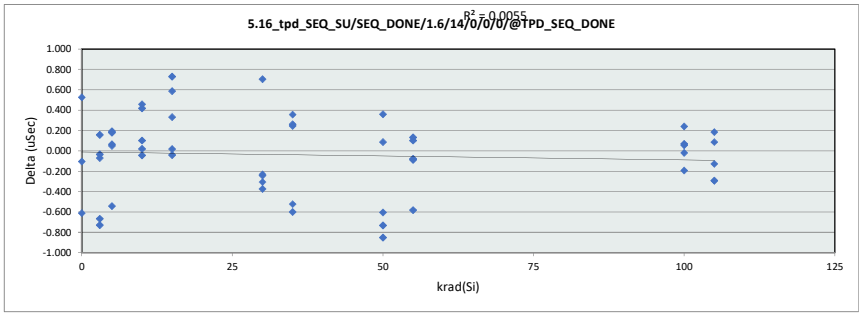


# TID HDR Report
# TPS7H3014-SP

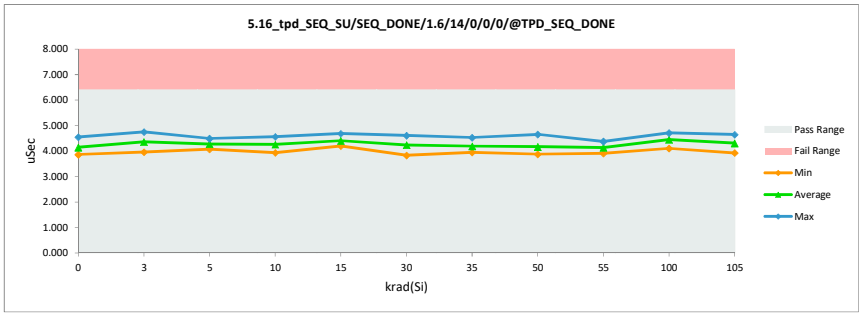
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.16_tpd_SEQ_SU/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.641 | 4.033 | -0.608 |
| 0 | 14 | 4.022 | 4.551 | 0.529 |
| 0 | 15 | 3.968 | 3.866 | -0.102 |
| 3 | 20 | 4.596 | 4.756 | 0.160 |
| 3 | 21 | 4.525 | 4.458 | -0.067 |
| 3 | 22 | 4.664 | 4.000 | -0.664 |
| 3 | 23 | 4.689 | 3.962 | -0.727 |
| 3 | 24 | 4.680 | 4.648 | -0.032 |
| 5 | 25 | 3.883 | 4.078 | 0.195 |
| 5 | 26 | 4.241 | 4.293 | 0.052 |
| 5 | 27 | 4.312 | 4.494 | 0.182 |
| 5 | 28 | 4.390 | 4.458 | 0.068 |
| 5 | 29 | 4.614 | 4.074 | -0.540 |
| 10 | 30 | 3.981 | 3.940 | -0.041 |
| 10 | 31 | 4.379 | 4.402 | 0.023 |
| 10 | 32 | 4.053 | 4.475 | 0.422 |
| 10 | 33 | 3.831 | 3.936 | 0.105 |
| 10 | 34 | 4.104 | 4.565 | 0.461 |
| 15 | 35 | 4.237 | 4.199 | -0.038 |
| 15 | 36 | 3.960 | 4.692 | 0.732 |
| 15 | 37 | 3.893 | 4.483 | 0.590 |
| 15 | 38 | 4.004 | 4.339 | 0.335 |
| 15 | 39 | 4.318 | 4.339 | 0.021 |
| 30 | 40 | 3.901 | 4.609 | 0.708 |
| 30 | 41 | 4.736 | 4.497 | -0.239 |
| 30 | 42 | 4.062 | 3.834 | -0.228 |
| 30 | 43 | 4.505 | 4.134 | -0.371 |
| 30 | 44 | 4.433 | 4.130 | -0.303 |
| 35 | 45 | 3.905 | 4.264 | 0.359 |
| 35 | 46 | 4.472 | 3.952 | -0.520 |
| 35 | 47 | 4.268 | 4.533 | 0.265 |
| 35 | 48 | 3.872 | 4.120 | 0.248 |
| 35 | 49 | 4.694 | 4.096 | -0.598 |
| 50 | 50 | 4.568 | 4.657 | 0.089 |
| 50 | 51 | 4.710 | 4.108 | -0.602 |
| 50 | 52 | 3.961 | 4.324 | 0.363 |
| 50 | 53 | 4.727 | 3.878 | -0.849 |
| 50 | 54 | 4.640 | 3.910 | -0.730 |
| 55 | 55 | 4.492 | 3.913 | -0.579 |
| 55 | 56 | 4.454 | 4.379 | -0.075 |
| 55 | 57 | 4.124 | 4.229 | 0.105 |
| 55 | 58 | 4.175 | 4.090 | -0.085 |
| 55 | 59 | 3.957 | 4.092 | 0.135 |
| 100 | 60 | 4.675 | 4.658 | -0.017 |
| 100 | 61 | 4.037 | 4.280 | 0.243 |
| 100 | 62 | 4.442 | 4.513 | 0.071 |
| 100 | 63 | 4.297 | 4.107 | -0.190 |
| 100 | 64 | 4.653 | 4.713 | 0.060 |
| 105 | 65 | 4.723 | 4.435 | -0.288 |
| 105 | 66 | 4.465 | 4.652 | 0.187 |
| 105 | 67 | 4.053 | 3.928 | -0.125 |
| 105 | 68 | 3.973 | 4.063 | 0.090 |
| 105 | 69 | 4.767 | 4.475 | -0.292 |
| | Max | 4.767 | 4.756 | 0.732 |
| | Average | 4.316 | 4.276 | -0.040 |
| | Min | 3.831 | 3.834 | -0.849 |
| | Std Dev | 0.302 | 0.268 | 0.381 |




| | 5.16_tpd_SEQ_SU/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.866 | 3.962 | 4.074 | 3.936 | 4.199 | 3.834 | 3.952 | 3.878 | 3.913 | 4.107 | 3.928 |
| Average | 4.150 | 4.365 | 4.279 | 4.264 | 4.410 | 4.241 | 4.193 | 4.175 | 4.141 | 4.454 | 4.311 |
| Max | 4.551 | 4.756 | 4.494 | 4.565 | 4.692 | 4.609 | 4.533 | 4.657 | 4.379 | 4.713 | 4.652 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

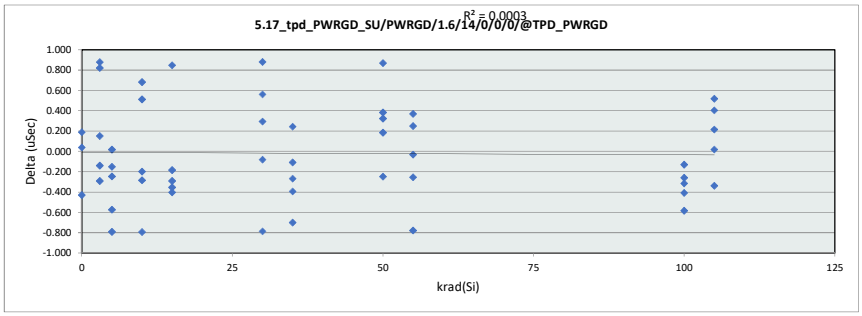


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

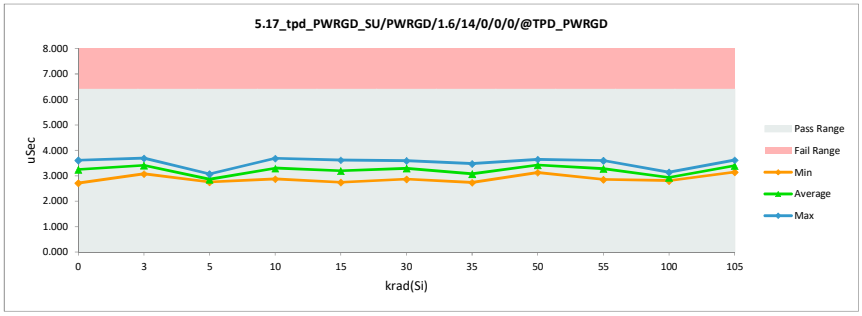
| | 5.17_tpd_PWRGD_SU/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.422 | 3.615 | 0.193 |
| 0 | 14 | 3.377 | 3.418 | 0.041 |
| 0 | 15 | 3.144 | 2.717 | -0.427 |
| 3 | 20 | 2.711 | 3.535 | 0.824 |
| 3 | 21 | 2.811 | 3.693 | 0.882 |
| 3 | 22 | 3.637 | 3.500 | -0.137 |
| 3 | 23 | 3.106 | 3.261 | 0.155 |
| 3 | 24 | 3.363 | 3.075 | -0.288 |
| 5 | 25 | 2.903 | 2.755 | -0.148 |
| 5 | 26 | 3.053 | 3.074 | 0.021 |
| 5 | 27 | 3.608 | 2.820 | -0.788 |
| 5 | 28 | 3.040 | 2.797 | -0.243 |
| 5 | 29 | 3.436 | 2.866 | -0.570 |
| 10 | 30 | 2.997 | 3.682 | 0.685 |
| 10 | 31 | 3.439 | 3.243 | -0.196 |
| 10 | 32 | 3.666 | 2.876 | -0.790 |
| 10 | 33 | 3.291 | 3.010 | -0.281 |
| 10 | 34 | 3.173 | 3.687 | 0.514 |
| 15 | 35 | 3.031 | 2.743 | -0.288 |
| 15 | 36 | 2.771 | 3.621 | 0.850 |
| 15 | 37 | 3.578 | 3.397 | -0.181 |
| 15 | 38 | 3.554 | 3.202 | -0.352 |
| 15 | 39 | 3.405 | 3.004 | -0.401 |
| 30 | 40 | 3.651 | 2.867 | -0.784 |
| 30 | 41 | 2.826 | 3.390 | 0.564 |
| 30 | 42 | 3.621 | 3.543 | -0.078 |
| 30 | 43 | 2.768 | 3.065 | 0.297 |
| 30 | 44 | 2.713 | 3.596 | 0.883 |
| 35 | 45 | 3.089 | 3.335 | 0.246 |
| 35 | 46 | 3.000 | 2.735 | -0.265 |
| 35 | 47 | 3.585 | 3.480 | -0.105 |
| 35 | 48 | 3.617 | 2.920 | -0.697 |
| 35 | 49 | 3.297 | 2.907 | -0.390 |
| 50 | 50 | 2.773 | 3.645 | 0.872 |
| 50 | 51 | 3.254 | 3.639 | 0.385 |
| 50 | 52 | 3.376 | 3.131 | -0.245 |
| 50 | 53 | 3.056 | 3.382 | 0.326 |
| 50 | 54 | 3.140 | 3.327 | 0.187 |
| 55 | 55 | 3.061 | 3.313 | 0.252 |
| 55 | 56 | 3.628 | 3.600 | -0.028 |
| 55 | 57 | 3.106 | 2.855 | -0.251 |
| 55 | 58 | 3.226 | 3.599 | 0.373 |
| 55 | 59 | 3.822 | 3.046 | -0.776 |
| 100 | 60 | 3.119 | 2.862 | -0.257 |
| 100 | 61 | 3.724 | 3.144 | -0.580 |
| 100 | 62 | 3.067 | 2.940 | -0.127 |
| 100 | 63 | 3.325 | 2.920 | -0.405 |
| 100 | 64 | 3.124 | 2.812 | -0.312 |
| 105 | 65 | 3.482 | 3.147 | -0.335 |
| 105 | 66 | 3.481 | 3.503 | 0.022 |
| 105 | 67 | 2.967 | 3.488 | 0.521 |
| 105 | 68 | 3.015 | 3.233 | 0.218 |
| 105 | 69 | 3.213 | 3.620 | 0.407 |
| | Max | 3.822 | 3.693 | 0.883 |
| | Average | 3.239 | 3.220 | -0.019 |
| | Min | 2.711 | 2.717 | -0.790 |
| | Std Dev | 0.296 | 0.317 | 0.465 |




| | 5.17_tpd_PWRGD_SU/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.717 | 3.075 | 2.755 | 2.876 | 2.743 | 2.867 | 2.735 | 3.131 | 2.855 | 2.812 | 3.147 |
| Average | 3.250 | 3.413 | 2.862 | 3.300 | 3.193 | 3.292 | 3.075 | 3.425 | 3.283 | 2.936 | 3.398 |
| Max | 3.615 | 3.693 | 3.074 | 3.687 | 3.621 | 3.596 | 3.480 | 3.645 | 3.600 | 3.144 | 3.620 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

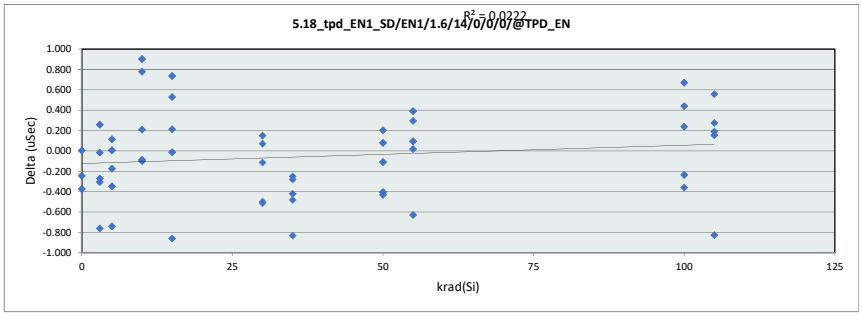


# TID HDR Report
# TPS7H3014-SP

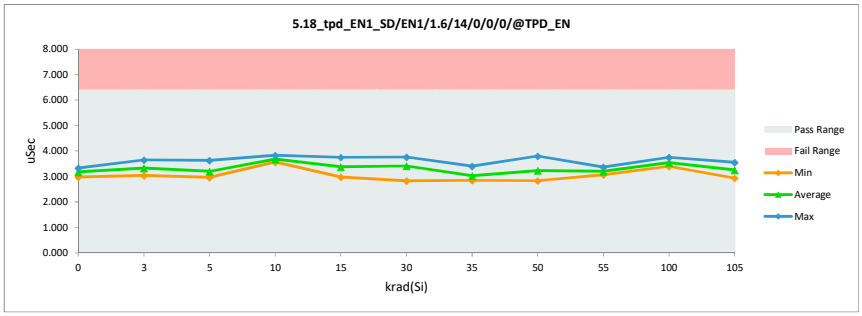
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.18_tpd_EN1_SD/EN1/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.578 | 3.337 | -0.241 |
| 0 | 14 | 3.231 | 3.239 | 0.008 |
| 0 | 15 | 3.355 | 2.985 | -0.370 |
| 3 | 20 | 3.802 | 3.044 | -0.758 |
| 3 | 21 | 3.419 | 3.151 | -0.268 |
| 3 | 22 | 3.668 | 3.655 | -0.013 |
| 3 | 23 | 3.605 | 3.304 | -0.301 |
| 3 | 24 | 3.269 | 3.532 | 0.263 |
| 5 | 25 | 3.137 | 2.966 | -0.171 |
| 5 | 26 | 3.427 | 3.437 | 0.010 |
| 5 | 27 | 3.517 | 3.635 | 0.118 |
| 5 | 28 | 3.339 | 2.994 | -0.345 |
| 5 | 29 | 3.722 | 2.985 | -0.737 |
| 10 | 30 | 3.359 | 3.572 | 0.213 |
| 10 | 31 | 2.988 | 3.770 | 0.782 |
| 10 | 32 | 2.928 | 3.834 | 0.906 |
| 10 | 33 | 3.747 | 3.651 | -0.096 |
| 10 | 34 | 3.685 | 3.603 | -0.082 |
| 15 | 35 | 3.310 | 3.301 | -0.009 |
| 15 | 36 | 3.011 | 3.751 | 0.740 |
| 15 | 37 | 2.909 | 3.443 | 0.534 |
| 15 | 38 | 3.210 | 3.426 | 0.216 |
| 15 | 39 | 3.837 | 2.981 | -0.856 |
| 30 | 40 | 3.868 | 3.758 | -0.110 |
| 30 | 41 | 3.688 | 3.763 | 0.075 |
| 30 | 42 | 3.508 | 3.662 | 0.154 |
| 30 | 43 | 3.544 | 3.049 | -0.495 |
| 30 | 44 | 3.341 | 2.832 | -0.509 |
| 35 | 45 | 3.167 | 2.889 | -0.278 |
| 35 | 46 | 3.717 | 2.889 | -0.828 |
| 35 | 47 | 3.333 | 2.854 | -0.479 |
| 35 | 48 | 3.652 | 3.406 | -0.246 |
| 35 | 49 | 3.524 | 3.106 | -0.418 |
| 50 | 50 | 3.472 | 3.045 | -0.427 |
| 50 | 51 | 3.306 | 3.513 | 0.207 |
| 50 | 52 | 3.723 | 3.806 | 0.083 |
| 50 | 53 | 3.240 | 2.839 | -0.401 |
| 50 | 54 | 3.070 | 2.965 | -0.105 |
| 55 | 55 | 3.027 | 3.125 | 0.098 |
| 55 | 56 | 3.733 | 3.108 | -0.625 |
| 55 | 57 | 3.052 | 3.074 | 0.022 |
| 55 | 58 | 2.978 | 3.372 | 0.394 |
| 55 | 59 | 3.045 | 3.343 | 0.298 |
| 100 | 60 | 3.744 | 3.513 | -0.231 |
| 100 | 61 | 3.784 | 3.429 | -0.355 |
| 100 | 62 | 3.201 | 3.644 | 0.443 |
| 100 | 63 | 3.077 | 3.751 | 0.674 |
| 100 | 64 | 3.162 | 3.403 | 0.241 |
| 105 | 65 | 3.759 | 2.936 | -0.823 |
| 105 | 66 | 2.997 | 3.559 | 0.562 |
| 105 | 67 | 3.278 | 3.436 | 0.158 |
| 105 | 68 | 2.928 | 3.207 | 0.279 |
| 105 | 69 | 2.964 | 3.157 | 0.193 |
| | Max | 3.868 | 3.834 | 0.906 |
| | Average | 3.376 | 3.321 | -0.055 |
| | Min | 2.909 | 2.832 | -0.856 |
| | Std Dev | 0.292 | 0.304 | 0.427 |




| | 5.18_tpd_EN1_SD/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.985 | 3.044 | 2.966 | 3.572 | 2.981 | 2.832 | 2.854 | 2.839 | 3.074 | 3.403 | 2.936 |
| Average | 3.187 | 3.337 | 3.203 | 3.686 | 3.380 | 3.413 | 3.029 | 3.234 | 3.204 | 3.548 | 3.259 |
| Max | 3.337 | 3.655 | 3.635 | 3.834 | 3.751 | 3.763 | 3.406 | 3.806 | 3.372 | 3.751 | 3.559 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

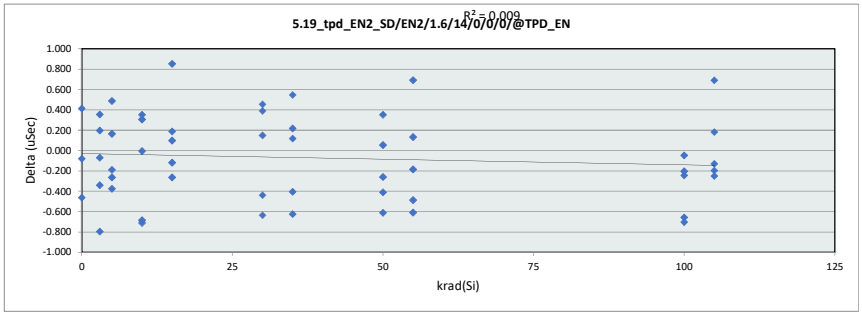


# TID HDR Report
# TPS7H3014-SP

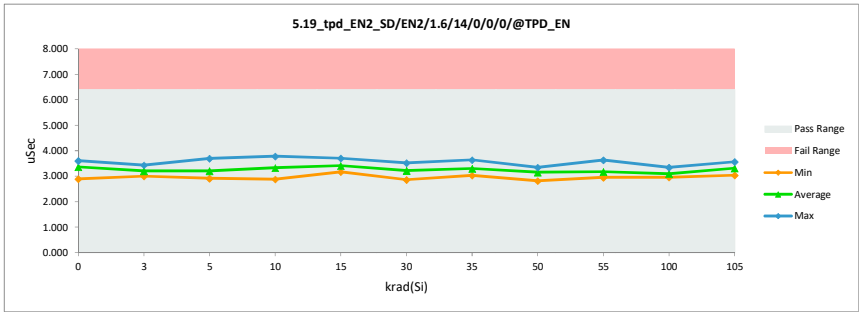
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.19_tpd_EN2_SD/EN2/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.354 | 2.895 | -0.459 |
| 0 | 14 | 3.687 | 3.611 | -0.076 |
| 0 | 15 | 3.174 | 3.591 | 0.417 |
| 3 | 20 | 3.790 | 2.998 | -0.792 |
| 3 | 21 | 3.204 | 3.137 | -0.067 |
| 3 | 22 | 3.080 | 3.438 | 0.358 |
| 3 | 23 | 3.624 | 3.288 | -0.336 |
| 3 | 24 | 2.975 | 3.175 | 0.200 |
| 5 | 25 | 3.264 | 3.005 | -0.259 |
| 5 | 26 | 3.286 | 2.914 | -0.372 |
| 5 | 27 | 3.172 | 2.986 | -0.186 |
| 5 | 28 | 3.209 | 3.700 | 0.491 |
| 5 | 29 | 3.290 | 3.458 | 0.168 |
| 10 | 30 | 3.600 | 2.893 | -0.707 |
| 10 | 31 | 3.310 | 3.666 | 0.356 |
| 10 | 32 | 3.565 | 2.884 | -0.681 |
| 10 | 33 | 3.787 | 3.786 | -0.001 |
| 10 | 34 | 3.127 | 3.436 | 0.309 |
| 15 | 35 | 3.290 | 3.392 | 0.102 |
| 15 | 36 | 2.851 | 3.706 | 0.855 |
| 15 | 37 | 3.080 | 3.272 | 0.192 |
| 15 | 38 | 3.429 | 3.170 | -0.259 |
| 15 | 39 | 3.651 | 3.535 | -0.116 |
| 30 | 40 | 3.037 | 3.496 | 0.459 |
| 30 | 41 | 3.297 | 2.862 | -0.435 |
| 30 | 42 | 3.564 | 2.932 | -0.632 |
| 30 | 43 | 3.130 | 3.523 | 0.393 |
| 30 | 44 | 3.150 | 3.302 | 0.152 |
| 35 | 45 | 3.753 | 3.132 | -0.621 |
| 35 | 46 | 3.519 | 3.641 | 0.122 |
| 35 | 47 | 3.696 | 3.295 | -0.401 |
| 35 | 48 | 2.864 | 3.414 | 0.550 |
| 35 | 49 | 2.812 | 3.034 | 0.222 |
| 50 | 50 | 3.429 | 2.821 | -0.608 |
| 50 | 51 | 3.548 | 3.291 | -0.257 |
| 50 | 52 | 2.856 | 3.211 | 0.355 |
| 50 | 53 | 3.516 | 3.109 | -0.407 |
| 50 | 54 | 3.290 | 3.347 | 0.057 |
| 55 | 55 | 2.878 | 3.014 | 0.136 |
| 55 | 56 | 2.941 | 3.637 | 0.696 |
| 55 | 57 | 3.559 | 2.953 | -0.606 |
| 55 | 58 | 3.250 | 3.069 | -0.181 |
| 55 | 59 | 3.703 | 3.220 | -0.483 |
| 100 | 60 | 3.199 | 2.959 | -0.240 |
| 100 | 61 | 3.754 | 3.055 | -0.699 |
| 100 | 62 | 3.617 | 2.963 | -0.654 |
| 100 | 63 | 3.372 | 3.171 | -0.201 |
| 100 | 64 | 3.390 | 3.347 | -0.043 |
| 105 | 65 | 2.879 | 3.572 | 0.693 |
| 105 | 66 | 3.235 | 3.042 | -0.193 |
| 105 | 67 | 3.522 | 3.276 | -0.246 |
| 105 | 68 | 3.326 | 3.199 | -0.127 |
| 105 | 69 | 3.286 | 3.472 | 0.186 |
| | Max | 3.790 | 3.786 | 0.855 |
| | Average | 3.324 | 3.251 | -0.073 |
| | Min | 2.812 | 2.821 | -0.792 |
| | Std Dev | 0.275 | 0.265 | 0.415 |




| | 5.19_tpd_EN2_SD/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.895 | 2.998 | 2.914 | 2.884 | 3.170 | 2.862 | 3.034 | 2.821 | 2.953 | 2.959 | 3.042 |
| Average | 3.366 | 3.207 | 3.213 | 3.333 | 3.415 | 3.223 | 3.303 | 3.156 | 3.179 | 3.099 | 3.312 |
| Max | 3.611 | 3.438 | 3.700 | 3.786 | 3.706 | 3.523 | 3.641 | 3.347 | 3.637 | 3.347 | 3.572 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

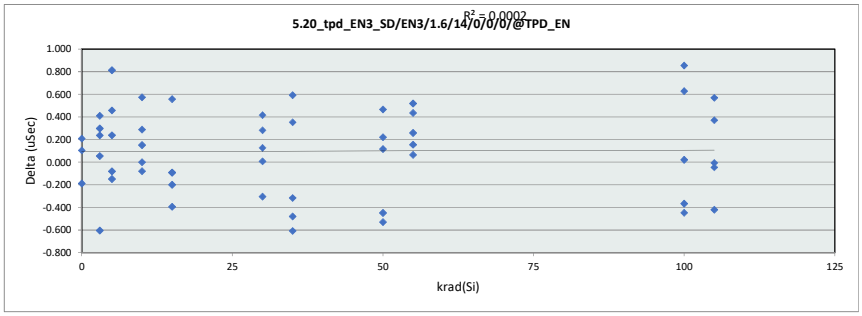


# TID HDR Report
# TPS7H3014-SP

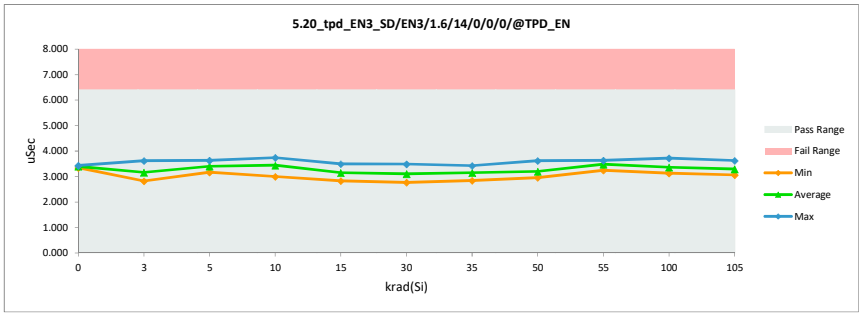
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.20_tpd_EN3_SD/EN3/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.532 | 3.346 | -0.186 |
| 0 | 14 | 3.321 | 3.429 | 0.108 |
| 0 | 15 | 3.214 | 3.426 | 0.212 |
| 3 | 20 | 2.863 | 3.276 | 0.413 |
| 3 | 21 | 3.561 | 3.618 | 0.057 |
| 3 | 22 | 3.424 | 2.823 | -0.601 |
| 3 | 23 | 2.781 | 3.083 | 0.302 |
| 3 | 24 | 2.791 | 3.031 | 0.240 |
| 5 | 25 | 3.454 | 3.376 | -0.078 |
| 5 | 26 | 3.041 | 3.282 | 0.241 |
| 5 | 27 | 3.171 | 3.631 | 0.460 |
| 5 | 28 | 3.315 | 3.170 | -0.145 |
| 5 | 29 | 2.762 | 3.579 | 0.817 |
| 10 | 30 | 3.661 | 3.664 | 0.003 |
| 10 | 31 | 3.098 | 3.675 | 0.577 |
| 10 | 32 | 2.985 | 3.140 | 0.155 |
| 10 | 33 | 3.450 | 3.742 | 0.292 |
| 10 | 34 | 3.073 | 2.997 | -0.076 |
| 15 | 35 | 3.011 | 2.923 | -0.088 |
| 15 | 36 | 3.219 | 2.828 | -0.391 |
| 15 | 37 | 3.479 | 3.389 | -0.090 |
| 15 | 38 | 2.936 | 3.497 | 0.561 |
| 15 | 39 | 3.311 | 3.114 | -0.197 |
| 30 | 40 | 3.070 | 3.490 | 0.420 |
| 30 | 41 | 3.390 | 3.088 | -0.302 |
| 30 | 42 | 2.757 | 2.768 | 0.011 |
| 30 | 43 | 2.917 | 3.047 | 0.130 |
| 30 | 44 | 2.841 | 3.126 | 0.285 |
| 35 | 45 | 3.539 | 3.225 | -0.314 |
| 35 | 46 | 3.529 | 2.925 | -0.604 |
| 35 | 47 | 2.831 | 3.427 | 0.596 |
| 35 | 48 | 2.976 | 3.332 | 0.356 |
| 35 | 49 | 3.322 | 2.846 | -0.476 |
| 50 | 50 | 3.490 | 2.963 | -0.527 |
| 50 | 51 | 3.121 | 3.345 | 0.224 |
| 50 | 52 | 2.999 | 3.118 | 0.119 |
| 50 | 53 | 3.151 | 3.620 | 0.469 |
| 50 | 54 | 3.417 | 2.971 | -0.446 |
| 55 | 55 | 3.180 | 3.248 | 0.068 |
| 55 | 56 | 3.113 | 3.552 | 0.439 |
| 55 | 57 | 3.313 | 3.471 | 0.158 |
| 55 | 58 | 3.112 | 3.634 | 0.522 |
| 55 | 59 | 3.264 | 3.526 | 0.262 |
| 100 | 60 | 2.770 | 3.628 | 0.858 |
| 100 | 61 | 3.093 | 3.724 | 0.631 |
| 100 | 62 | 3.170 | 3.194 | 0.024 |
| 100 | 63 | 3.603 | 3.158 | -0.445 |
| 100 | 64 | 3.495 | 3.132 | -0.363 |
| 105 | 65 | 3.304 | 3.262 | -0.042 |
| 105 | 66 | 3.578 | 3.160 | -0.418 |
| 105 | 67 | 3.053 | 3.626 | 0.573 |
| 105 | 68 | 2.978 | 3.352 | 0.374 |
| 105 | 69 | 3.068 | 3.065 | -0.003 |
| | Max | 3.661 | 3.742 | 0.858 |
| | Average | 3.187 | 3.284 | 0.097 |
| | Min | 2.757 | 2.768 | -0.604 |
| | Std Dev | 0.255 | 0.266 | 0.372 |




| | 5.20_tpd_EN3_SD/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.346 | 2.823 | 3.170 | 2.997 | 2.828 | 2.768 | 2.846 | 2.963 | 3.248 | 3.132 | 3.065 |
| Average | 3.400 | 3.166 | 3.408 | 3.444 | 3.150 | 3.104 | 3.151 | 3.203 | 3.486 | 3.367 | 3.293 |
| Max | 3.429 | 3.618 | 3.631 | 3.742 | 3.497 | 3.490 | 3.427 | 3.620 | 3.634 | 3.724 | 3.626 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

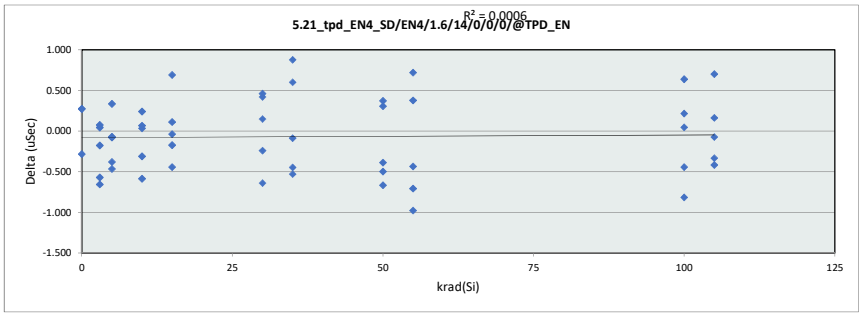


# TID HDR Report
# TPS7H3014-SP

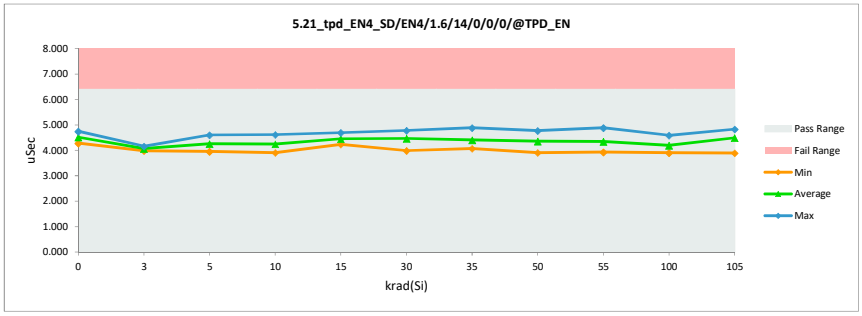
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.21_tpd_EN4_SD/EN4/1. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.568 | 4.287 | -0.281 |
| 0 | 14 | 4.470 | 4.748 | 0.278 |
| 0 | 15 | 4.243 | 4.517 | 0.274 |
| 3 | 20 | 4.034 | 4.081 | 0.047 |
| 3 | 21 | 4.613 | 4.046 | -0.567 |
| 3 | 22 | 4.256 | 4.082 | -0.174 |
| 3 | 23 | 4.816 | 4.163 | -0.653 |
| 3 | 24 | 3.907 | 3.984 | 0.077 |
| 5 | 25 | 4.601 | 4.224 | -0.377 |
| 5 | 26 | 4.622 | 4.158 | -0.464 |
| 5 | 27 | 4.036 | 3.960 | -0.076 |
| 5 | 28 | 4.267 | 4.604 | 0.337 |
| 5 | 29 | 4.410 | 4.341 | -0.069 |
| 10 | 30 | 3.873 | 3.910 | 0.037 |
| 10 | 31 | 4.448 | 4.516 | 0.068 |
| 10 | 32 | 4.922 | 4.615 | -0.307 |
| 10 | 33 | 3.953 | 4.195 | 0.242 |
| 10 | 34 | 4.610 | 4.025 | -0.585 |
| 15 | 35 | 4.681 | 4.240 | -0.441 |
| 15 | 36 | 4.005 | 4.697 | 0.692 |
| 15 | 37 | 4.338 | 4.451 | 0.113 |
| 15 | 38 | 4.450 | 4.415 | -0.035 |
| 15 | 39 | 4.632 | 4.461 | -0.171 |
| 30 | 40 | 4.631 | 3.993 | -0.638 |
| 30 | 41 | 4.752 | 4.513 | -0.239 |
| 30 | 42 | 4.316 | 4.779 | 0.463 |
| 30 | 43 | 4.609 | 4.759 | 0.150 |
| 30 | 44 | 3.884 | 4.306 | 0.422 |
| 35 | 45 | 4.157 | 4.072 | -0.085 |
| 35 | 46 | 4.682 | 4.237 | -0.445 |
| 35 | 47 | 4.009 | 4.889 | 0.880 |
| 35 | 48 | 4.052 | 4.654 | 0.602 |
| 35 | 49 | 4.716 | 4.189 | -0.527 |
| 50 | 50 | 4.411 | 3.914 | -0.497 |
| 50 | 51 | 4.376 | 4.685 | 0.309 |
| 50 | 52 | 4.847 | 4.184 | -0.663 |
| 50 | 53 | 4.402 | 4.775 | 0.373 |
| 50 | 54 | 4.650 | 4.264 | -0.386 |
| 55 | 55 | 4.234 | 4.613 | 0.379 |
| 55 | 56 | 4.907 | 3.932 | -0.975 |
| 55 | 57 | 4.862 | 4.158 | -0.704 |
| 55 | 58 | 4.607 | 4.174 | -0.433 |
| 55 | 59 | 4.162 | 4.884 | 0.722 |
| 100 | 60 | 4.558 | 4.117 | -0.441 |
| 100 | 61 | 4.200 | 4.418 | 0.218 |
| 100 | 62 | 3.954 | 4.593 | 0.639 |
| 100 | 63 | 4.721 | 3.907 | -0.814 |
| 100 | 64 | 3.921 | 3.969 | 0.048 |
| 105 | 65 | 4.229 | 3.899 | -0.330 |
| 105 | 66 | 4.855 | 4.441 | -0.414 |
| 105 | 67 | 4.568 | 4.497 | -0.071 |
| 105 | 68 | 4.101 | 4.804 | 0.703 |
| 105 | 69 | 4.668 | 4.834 | 0.166 |
| | Max | 4.922 | 4.889 | 0.880 |
| | Average | 4.411 | 4.343 | -0.068 |
| | Min | 3.873 | 3.899 | -0.975 |
| | Std Dev | 0.307 | 0.301 | 0.448 |




| | 5.21_tpd_EN4_SD/EN4/1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 4.287 | 3.984 | 3.960 | 3.910 | 4.240 | 3.993 | 4.072 | 3.914 | 3.932 | 3.907 | 3.899 |
| Average | 4.517 | 4.071 | 4.257 | 4.252 | 4.453 | 4.470 | 4.408 | 4.364 | 4.352 | 4.201 | 4.495 |
| Max | 4.748 | 4.163 | 4.604 | 4.615 | 4.697 | 4.779 | 4.889 | 4.775 | 4.884 | 4.593 | 4.834 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

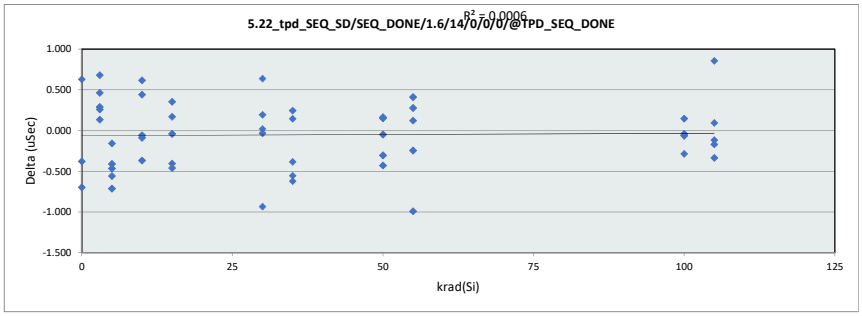


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

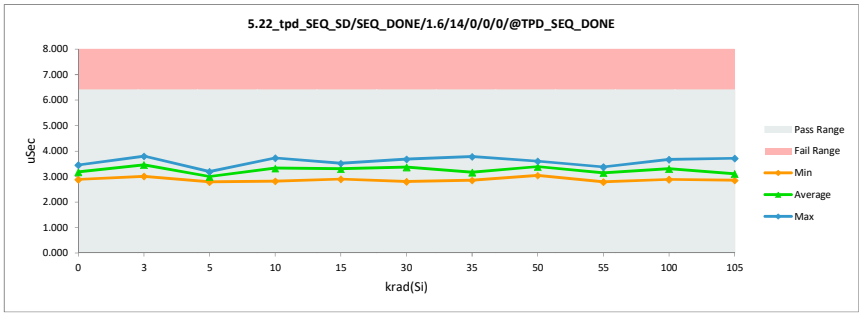
| | 5.22_tpd_SEQ_SD/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.820 | 3.452 | 0.632 |
| 0 | 14 | 3.575 | 3.200 | -0.375 |
| 0 | 15 | 3.581 | 2.887 | -0.694 |
| 3 | 20 | 2.961 | 3.223 | 0.262 |
| 3 | 21 | 2.876 | 3.013 | 0.137 |
| 3 | 22 | 3.208 | 3.675 | 0.467 |
| 3 | 23 | 3.118 | 3.801 | 0.683 |
| 3 | 24 | 3.289 | 3.582 | 0.293 |
| 5 | 25 | 3.748 | 3.193 | -0.555 |
| 5 | 26 | 3.482 | 3.020 | -0.462 |
| 5 | 27 | 3.501 | 2.790 | -0.711 |
| 5 | 28 | 3.206 | 3.051 | -0.155 |
| 5 | 29 | 3.350 | 2.943 | -0.407 |
| 10 | 30 | 2.877 | 2.823 | -0.054 |
| 10 | 31 | 3.607 | 3.242 | -0.365 |
| 10 | 32 | 3.110 | 3.731 | 0.621 |
| 10 | 33 | 2.967 | 3.412 | 0.445 |
| 10 | 34 | 3.536 | 3.452 | -0.084 |
| 15 | 35 | 3.358 | 3.320 | -0.038 |
| 15 | 36 | 3.349 | 3.521 | 0.172 |
| 15 | 37 | 3.058 | 3.415 | 0.357 |
| 15 | 38 | 3.779 | 3.377 | -0.402 |
| 15 | 39 | 3.354 | 2.897 | -0.457 |
| 30 | 40 | 3.004 | 3.645 | 0.641 |
| 30 | 41 | 3.328 | 3.351 | 0.023 |
| 30 | 42 | 3.388 | 3.358 | -0.030 |
| 30 | 43 | 3.735 | 2.804 | -0.931 |
| 30 | 44 | 3.486 | 3.683 | 0.197 |
| 35 | 45 | 2.828 | 2.977 | 0.149 |
| 35 | 46 | 3.406 | 2.856 | -0.550 |
| 35 | 47 | 3.555 | 2.936 | -0.619 |
| 35 | 48 | 3.533 | 3.781 | 0.248 |
| 35 | 49 | 3.670 | 3.288 | -0.382 |
| 50 | 50 | 3.348 | 3.046 | -0.302 |
| 50 | 51 | 3.453 | 3.608 | 0.155 |
| 50 | 52 | 3.321 | 3.489 | 0.168 |
| 50 | 53 | 3.602 | 3.555 | -0.047 |
| 50 | 54 | 3.686 | 3.260 | -0.426 |
| 55 | 55 | 3.779 | 2.790 | -0.989 |
| 55 | 56 | 2.845 | 3.125 | 0.280 |
| 55 | 57 | 2.908 | 3.321 | 0.413 |
| 55 | 58 | 3.251 | 3.377 | 0.126 |
| 55 | 59 | 3.354 | 3.111 | -0.243 |
| 100 | 60 | 3.206 | 2.922 | -0.284 |
| 100 | 61 | 3.358 | 3.508 | 0.150 |
| 100 | 62 | 3.586 | 3.548 | -0.038 |
| 100 | 63 | 3.728 | 3.670 | -0.058 |
| 100 | 64 | 2.949 | 2.888 | -0.061 |
| 105 | 65 | 2.966 | 2.853 | -0.113 |
| 105 | 66 | 3.022 | 3.119 | 0.097 |
| 105 | 67 | 3.197 | 2.864 | -0.333 |
| 105 | 68 | 3.158 | 2.991 | -0.167 |
| 105 | 69 | 2.858 | 3.718 | 0.860 |
| | Max | 3.779 | 3.801 | 0.860 |
| | Average | 3.306 | 3.254 | -0.052 |
| | Min | 2.820 | 2.790 | -0.989 |
| | Std Dev | 0.286 | 0.307 | 0.418 |




| | 5.22_tpd_SEQ_SD/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.887 | 3.013 | 2.790 | 2.823 | 2.897 | 2.804 | 2.856 | 3.046 | 2.790 | 2.888 | 2.853 |
| Average | 3.180 | 3.459 | 2.999 | 3.332 | 3.306 | 3.368 | 3.168 | 3.392 | 3.145 | 3.307 | 3.109 |
| Max | 3.452 | 3.801 | 3.193 | 3.731 | 3.521 | 3.683 | 3.781 | 3.608 | 3.377 | 3.670 | 3.718 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

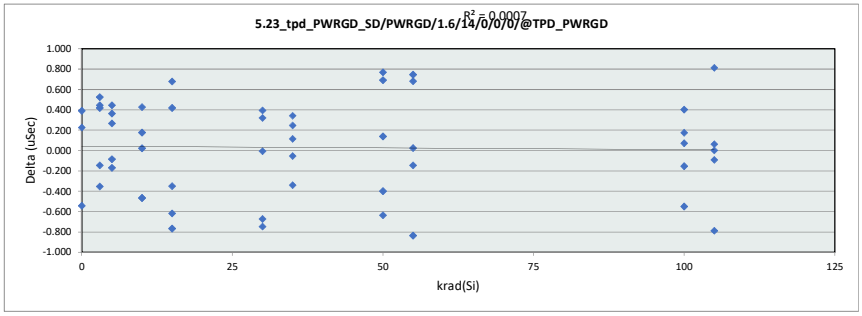


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

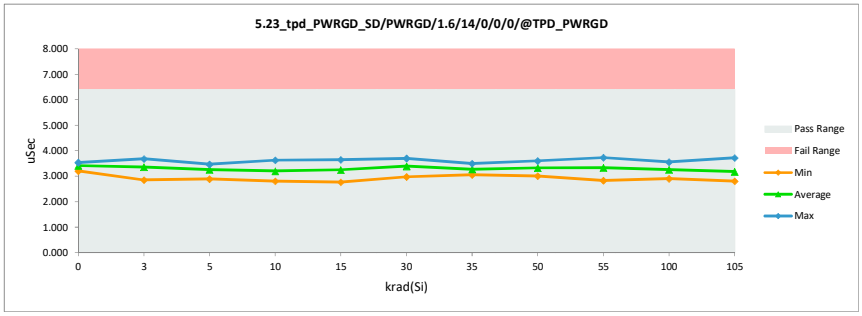
| | 5.23_tpd_PWRGD_SD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.747 | 3.207 | -0.540 |
| 0 | 14 | 3.279 | 3.507 | 0.228 |
| 0 | 15 | 3.143 | 3.536 | 0.393 |
| 3 | 20 | 3.333 | 2.982 | -0.351 |
| 3 | 21 | 2.995 | 2.853 | -0.142 |
| 3 | 22 | 3.195 | 3.642 | 0.447 |
| 3 | 23 | 3.128 | 3.655 | 0.527 |
| 3 | 24 | 3.260 | 3.682 | 0.422 |
| 5 | 25 | 3.175 | 3.092 | -0.083 |
| 5 | 26 | 3.131 | 3.401 | 0.270 |
| 5 | 27 | 3.063 | 2.895 | -0.168 |
| 5 | 28 | 3.070 | 3.435 | 0.365 |
| 5 | 29 | 3.022 | 3.470 | 0.448 |
| 10 | 30 | 3.103 | 3.282 | 0.179 |
| 10 | 31 | 3.330 | 2.867 | -0.463 |
| 10 | 32 | 3.008 | 3.437 | 0.429 |
| 10 | 33 | 3.268 | 2.804 | -0.464 |
| 10 | 34 | 3.605 | 3.631 | 0.026 |
| 15 | 35 | 2.842 | 3.523 | 0.681 |
| 15 | 36 | 3.678 | 3.331 | -0.347 |
| 15 | 37 | 3.530 | 2.766 | -0.764 |
| 15 | 38 | 3.227 | 3.649 | 0.422 |
| 15 | 39 | 3.587 | 2.972 | -0.615 |
| 30 | 40 | 3.236 | 3.633 | 0.397 |
| 30 | 41 | 3.704 | 3.701 | -0.003 |
| 30 | 42 | 3.772 | 3.103 | -0.669 |
| 30 | 43 | 3.725 | 2.980 | -0.745 |
| 30 | 44 | 3.232 | 3.556 | 0.324 |
| 35 | 45 | 2.959 | 3.208 | 0.249 |
| 35 | 46 | 3.452 | 3.115 | -0.337 |
| 35 | 47 | 3.381 | 3.498 | 0.117 |
| 35 | 48 | 3.138 | 3.482 | 0.344 |
| 35 | 49 | 3.105 | 3.054 | -0.051 |
| 50 | 50 | 2.912 | 3.054 | 0.142 |
| 50 | 51 | 3.646 | 3.012 | -0.634 |
| 50 | 52 | 3.796 | 3.399 | -0.397 |
| 50 | 53 | 2.834 | 3.606 | 0.772 |
| 50 | 54 | 2.886 | 3.581 | 0.695 |
| 55 | 55 | 3.196 | 3.054 | -0.142 |
| 55 | 56 | 3.455 | 3.482 | 0.027 |
| 55 | 57 | 2.844 | 3.593 | 0.749 |
| 55 | 58 | 3.668 | 2.835 | -0.833 |
| 55 | 59 | 3.047 | 3.732 | 0.685 |
| 100 | 60 | 2.829 | 2.904 | 0.075 |
| 100 | 61 | 3.345 | 3.194 | -0.151 |
| 100 | 62 | 3.151 | 3.556 | 0.405 |
| 100 | 63 | 3.271 | 3.448 | 0.177 |
| 100 | 64 | 3.730 | 3.183 | -0.547 |
| 105 | 65 | 3.765 | 2.980 | -0.785 |
| 105 | 66 | 2.897 | 2.808 | -0.089 |
| 105 | 67 | 3.433 | 3.498 | 0.065 |
| 105 | 68 | 2.905 | 3.720 | 0.815 |
| 105 | 69 | 2.887 | 2.892 | 0.005 |
| | Max | 3.796 | 3.732 | 0.815 |
| | Average | 3.263 | 3.292 | 0.029 |
| | Min | 2.829 | 2.766 | -0.833 |
| | Std Dev | 0.295 | 0.302 | 0.457 |




| | 5.23_tpd_PWRGD_SD/PV | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.207 | 2.853 | 2.895 | 2.804 | 2.766 | 2.980 | 3.054 | 3.012 | 2.835 | 2.904 | 2.808 |
| Average | 3.417 | 3.363 | 3.259 | 3.204 | 3.248 | 3.395 | 3.271 | 3.330 | 3.339 | 3.257 | 3.180 |
| Max | 3.536 | 3.682 | 3.470 | 3.631 | 3.649 | 3.701 | 3.498 | 3.606 | 3.732 | 3.556 | 3.720 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

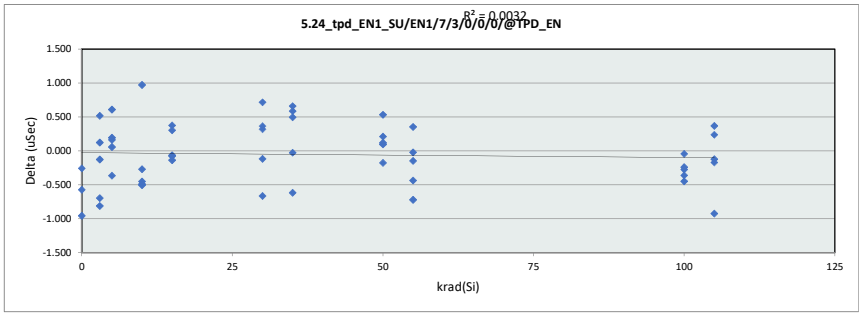


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

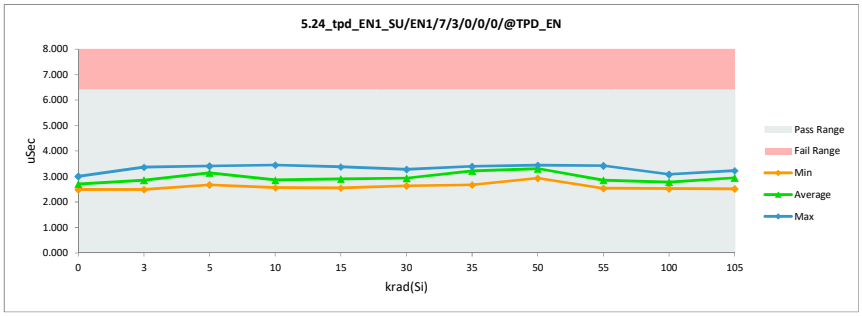
| | 5.24_tpd_EN1_SU/EN1/7/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.197 | 2.626 | -0.571 |
| 0 | 14 | 3.446 | 2.492 | -0.954 |
| 0 | 15 | 3.261 | 3.006 | -0.255 |
| 3 | 20 | 3.185 | 2.492 | -0.693 |
| 3 | 21 | 2.995 | 2.872 | -0.123 |
| 3 | 22 | 3.323 | 2.516 | -0.807 |
| 3 | 23 | 2.528 | 3.048 | 0.520 |
| 3 | 24 | 3.244 | 3.371 | 0.127 |
| 5 | 25 | 2.665 | 3.276 | 0.611 |
| 5 | 26 | 2.872 | 3.037 | 0.165 |
| 5 | 27 | 3.353 | 3.413 | 0.060 |
| 5 | 28 | 3.037 | 2.676 | -0.361 |
| 5 | 29 | 3.131 | 3.329 | 0.198 |
| 10 | 30 | 2.919 | 2.653 | -0.266 |
| 10 | 31 | 2.476 | 3.452 | 0.976 |
| 10 | 32 | 3.405 | 2.917 | -0.488 |
| 10 | 33 | 3.064 | 2.563 | -0.501 |
| 10 | 34 | 3.172 | 2.725 | -0.447 |
| 15 | 35 | 2.571 | 2.950 | 0.379 |
| 15 | 36 | 3.442 | 3.380 | -0.062 |
| 15 | 37 | 2.655 | 2.962 | 0.307 |
| 15 | 38 | 2.812 | 2.679 | -0.133 |
| 15 | 39 | 2.627 | 2.552 | -0.075 |
| 30 | 40 | 2.564 | 3.285 | 0.721 |
| 30 | 41 | 2.752 | 2.638 | -0.114 |
| 30 | 42 | 2.791 | 3.159 | 0.368 |
| 30 | 43 | 2.542 | 2.864 | 0.322 |
| 30 | 44 | 3.406 | 2.745 | -0.661 |
| 35 | 45 | 3.290 | 2.675 | -0.615 |
| 35 | 46 | 2.822 | 3.320 | 0.498 |
| 35 | 47 | 2.808 | 3.397 | 0.589 |
| 35 | 48 | 2.632 | 3.296 | 0.664 |
| 35 | 49 | 3.425 | 3.401 | -0.024 |
| 50 | 50 | 3.110 | 2.936 | -0.174 |
| 50 | 51 | 3.296 | 3.418 | 0.122 |
| 50 | 52 | 2.908 | 3.444 | 0.536 |
| 50 | 53 | 3.308 | 3.407 | 0.099 |
| 50 | 54 | 3.143 | 3.357 | 0.214 |
| 55 | 55 | 2.763 | 2.744 | -0.019 |
| 55 | 56 | 3.227 | 2.794 | -0.433 |
| 55 | 57 | 3.069 | 3.425 | 0.356 |
| 55 | 58 | 3.257 | 2.540 | -0.717 |
| 55 | 59 | 2.941 | 2.798 | -0.143 |
| 100 | 60 | 3.203 | 2.845 | -0.358 |
| 100 | 61 | 2.794 | 2.523 | -0.271 |
| 100 | 62 | 2.752 | 2.712 | -0.040 |
| 100 | 63 | 3.326 | 3.089 | -0.237 |
| 100 | 64 | 3.168 | 2.722 | -0.446 |
| 105 | 65 | 3.442 | 2.520 | -0.922 |
| 105 | 66 | 2.903 | 2.783 | -0.120 |
| 105 | 67 | 2.747 | 2.989 | 0.242 |
| 105 | 68 | 3.399 | 3.232 | -0.167 |
| 105 | 69 | 2.863 | 3.234 | 0.371 |
| | Max | 3.446 | 3.452 | 0.976 |
| | Average | 3.019 | 2.968 | -0.052 |
| | Min | 2.476 | 2.492 | -0.954 |
| | Std Dev | 0.291 | 0.324 | 0.450 |




| | 5.24_tpd_EN1_SU/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.492 | 2.492 | 2.676 | 2.563 | 2.552 | 2.638 | 2.675 | 2.936 | 2.540 | 2.523 | 2.520 |
| Average | 2.708 | 2.860 | 3.146 | 2.862 | 2.905 | 2.938 | 3.218 | 3.312 | 2.860 | 2.778 | 2.952 |
| Max | 3.006 | 3.371 | 3.413 | 3.452 | 3.380 | 3.285 | 3.401 | 3.444 | 3.425 | 3.089 | 3.234 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

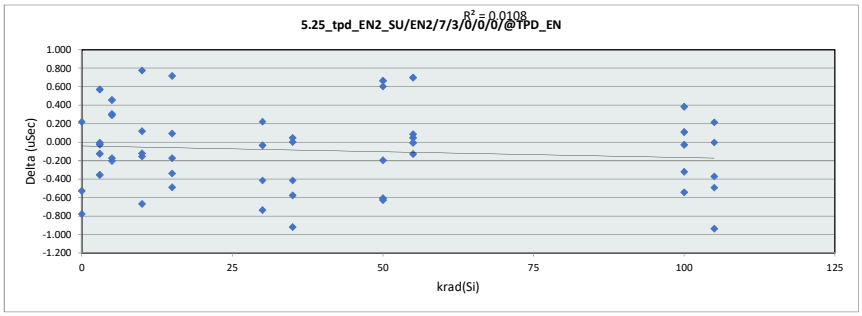


# TID HDR Report
# TPS7H3014-SP

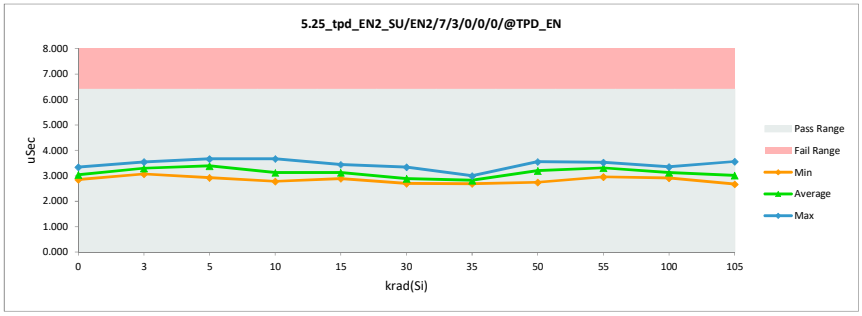
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.25_tpd_EN2_SU/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.464 | 2.940 | -0.524 |
| 0 | 14 | 3.632 | 2.857 | -0.775 |
| 0 | 15 | 3.120 | 3.343 | 0.223 |
| 3 | 20 | 3.301 | 3.296 | -0.005 |
| 3 | 21 | 3.668 | 3.545 | -0.123 |
| 3 | 22 | 2.757 | 3.330 | 0.573 |
| 3 | 23 | 3.593 | 3.241 | -0.352 |
| 3 | 24 | 3.092 | 3.070 | -0.022 |
| 5 | 25 | 3.264 | 3.094 | -0.170 |
| 5 | 26 | 3.127 | 2.927 | -0.200 |
| 5 | 27 | 3.358 | 3.652 | 0.294 |
| 5 | 28 | 3.206 | 3.665 | 0.459 |
| 5 | 29 | 3.305 | 3.612 | 0.307 |
| 10 | 30 | 2.969 | 2.817 | -0.152 |
| 10 | 31 | 3.451 | 2.785 | -0.666 |
| 10 | 32 | 3.043 | 2.925 | -0.118 |
| 10 | 33 | 2.894 | 3.673 | 0.779 |
| 10 | 34 | 3.319 | 3.440 | 0.121 |
| 15 | 35 | 3.505 | 3.020 | -0.485 |
| 15 | 36 | 2.722 | 3.442 | 0.720 |
| 15 | 37 | 3.446 | 3.276 | -0.170 |
| 15 | 38 | 3.230 | 2.895 | -0.335 |
| 15 | 39 | 2.910 | 3.006 | 0.096 |
| 30 | 40 | 3.253 | 2.842 | -0.411 |
| 30 | 41 | 2.731 | 2.699 | -0.032 |
| 30 | 42 | 3.589 | 2.857 | -0.732 |
| 30 | 43 | 3.120 | 3.344 | 0.224 |
| 30 | 44 | 2.773 | 2.742 | -0.031 |
| 35 | 45 | 2.951 | 3.001 | 0.050 |
| 35 | 46 | 2.806 | 2.810 | 0.004 |
| 35 | 47 | 3.665 | 2.749 | -0.916 |
| 35 | 48 | 3.450 | 2.876 | -0.574 |
| 35 | 49 | 3.100 | 2.688 | -0.412 |
| 50 | 50 | 2.890 | 3.557 | 0.667 |
| 50 | 51 | 3.668 | 3.474 | -0.194 |
| 50 | 52 | 3.446 | 2.842 | -0.604 |
| 50 | 53 | 3.368 | 2.745 | -0.623 |
| 50 | 54 | 2.785 | 3.391 | 0.606 |
| 55 | 55 | 3.403 | 3.278 | -0.125 |
| 55 | 56 | 3.417 | 3.467 | 0.050 |
| 55 | 57 | 2.964 | 2.959 | -0.005 |
| 55 | 58 | 2.826 | 3.528 | 0.702 |
| 55 | 59 | 3.230 | 3.319 | 0.089 |
| 100 | 60 | 3.058 | 3.032 | -0.026 |
| 100 | 61 | 3.237 | 3.349 | 0.112 |
| 100 | 62 | 2.887 | 3.273 | 0.386 |
| 100 | 63 | 3.400 | 3.083 | -0.317 |
| 100 | 64 | 3.451 | 2.912 | -0.539 |
| 105 | 65 | 3.344 | 3.561 | 0.217 |
| 105 | 66 | 3.162 | 2.794 | -0.368 |
| 105 | 67 | 3.030 | 3.030 | 0.000 |
| 105 | 68 | 3.506 | 3.017 | -0.489 |
| 105 | 69 | 3.606 | 2.673 | -0.933 |
| | Max | 3.668 | 3.673 | 0.779 |
| | Average | 3.217 | 3.127 | -0.090 |
| | Min | 2.722 | 2.673 | -0.933 |
| | Std Dev | 0.280 | 0.303 | 0.427 |




| | 5.25_tpd_EN2_SU/EN2/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.857 | 3.070 | 2.927 | 2.785 | 2.895 | 2.699 | 2.688 | 2.745 | 2.959 | 2.912 | 2.673 |
| Average | 3.047 | 3.296 | 3.390 | 3.128 | 3.128 | 2.897 | 2.825 | 3.202 | 3.310 | 3.130 | 3.015 |
| Max | 3.343 | 3.545 | 3.665 | 3.673 | 3.442 | 3.344 | 3.001 | 3.557 | 3.528 | 3.349 | 3.561 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

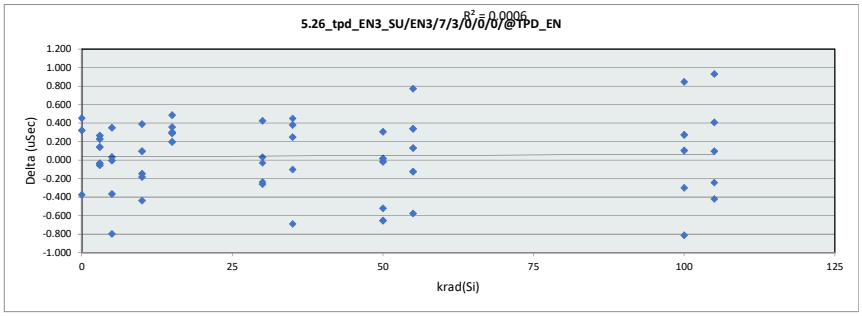


# TID HDR Report
# TPS7H3014-SP

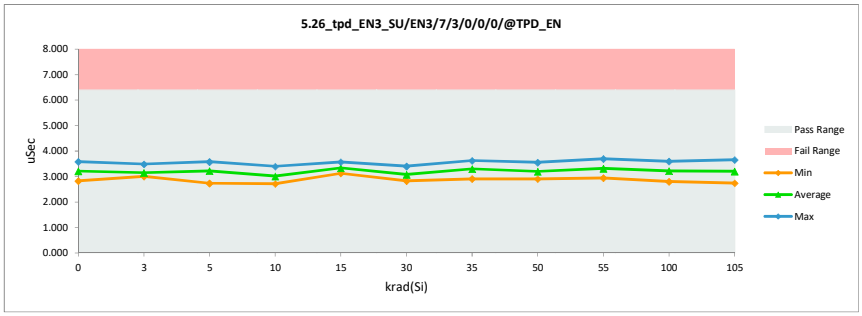
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.26_tpd_EN3_SU/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.767 | 3.225 | 0.458 |
| 0 | 14 | 3.199 | 2.828 | -0.371 |
| 0 | 15 | 3.263 | 3.588 | 0.325 |
| 3 | 20 | 2.863 | 3.095 | 0.232 |
| 3 | 21 | 3.070 | 3.019 | -0.051 |
| 3 | 22 | 2.994 | 3.140 | 0.146 |
| 3 | 23 | 3.035 | 3.004 | -0.031 |
| 3 | 24 | 3.221 | 3.491 | 0.270 |
| 5 | 25 | 3.621 | 3.259 | -0.362 |
| 5 | 26 | 3.025 | 3.062 | 0.037 |
| 5 | 27 | 3.229 | 3.583 | 0.354 |
| 5 | 28 | 3.530 | 2.736 | -0.794 |
| 5 | 29 | 3.480 | 3.478 | -0.002 |
| 10 | 30 | 2.954 | 2.811 | -0.143 |
| 10 | 31 | 2.793 | 2.894 | 0.101 |
| 10 | 32 | 3.007 | 3.401 | 0.394 |
| 10 | 33 | 2.896 | 2.717 | -0.179 |
| 10 | 34 | 3.699 | 3.266 | -0.433 |
| 15 | 35 | 3.285 | 3.578 | 0.293 |
| 15 | 36 | 3.166 | 3.472 | 0.306 |
| 15 | 37 | 2.654 | 3.144 | 0.490 |
| 15 | 38 | 2.766 | 3.128 | 0.362 |
| 15 | 39 | 3.183 | 3.384 | 0.201 |
| 30 | 40 | 2.776 | 3.206 | 0.430 |
| 30 | 41 | 3.660 | 3.404 | -0.256 |
| 30 | 42 | 2.855 | 2.830 | -0.025 |
| 30 | 43 | 3.039 | 3.074 | 0.035 |
| 30 | 44 | 3.108 | 2.876 | -0.232 |
| 35 | 45 | 3.343 | 3.246 | -0.097 |
| 35 | 46 | 2.687 | 3.142 | 0.455 |
| 35 | 47 | 3.320 | 3.574 | 0.254 |
| 35 | 48 | 3.242 | 3.626 | 0.384 |
| 35 | 49 | 3.597 | 2.912 | -0.685 |
| 50 | 50 | 3.309 | 3.296 | -0.013 |
| 50 | 51 | 3.034 | 3.345 | 0.311 |
| 50 | 52 | 3.536 | 3.557 | 0.021 |
| 50 | 53 | 3.426 | 2.910 | -0.516 |
| 50 | 54 | 3.562 | 2.912 | -0.650 |
| 55 | 55 | 3.518 | 2.946 | -0.572 |
| 55 | 56 | 3.166 | 3.300 | 0.134 |
| 55 | 57 | 3.171 | 3.050 | -0.121 |
| 55 | 58 | 3.271 | 3.614 | 0.343 |
| 55 | 59 | 2.919 | 3.696 | 0.777 |
| 100 | 60 | 2.749 | 3.025 | 0.276 |
| 100 | 61 | 3.612 | 2.805 | -0.807 |
| 100 | 62 | 2.649 | 3.500 | 0.851 |
| 100 | 63 | 3.496 | 3.603 | 0.107 |
| 100 | 64 | 3.478 | 3.182 | -0.296 |
| 105 | 65 | 3.702 | 3.286 | -0.416 |
| 105 | 66 | 3.118 | 3.219 | 0.101 |
| 105 | 67 | 2.984 | 2.744 | -0.240 |
| 105 | 68 | 2.724 | 3.658 | 0.934 |
| 105 | 69 | 2.714 | 3.125 | 0.411 |
| | Max | 3.702 | 3.696 | 0.934 |
| | Average | 3.160 | 3.207 | 0.047 |
| | Min | 2.649 | 2.717 | -0.807 |
| | Std Dev | 0.308 | 0.281 | 0.399 |




| | 5.26_tpd_EN3_SU/EN3/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.828 | 3.004 | 2.736 | 2.717 | 3.128 | 2.830 | 2.912 | 2.910 | 2.946 | 2.805 | 2.744 |
| Average | 3.214 | 3.150 | 3.224 | 3.018 | 3.341 | 3.078 | 3.300 | 3.204 | 3.321 | 3.223 | 3.206 |
| Max | 3.588 | 3.491 | 3.583 | 3.401 | 3.578 | 3.404 | 3.626 | 3.557 | 3.696 | 3.603 | 3.658 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

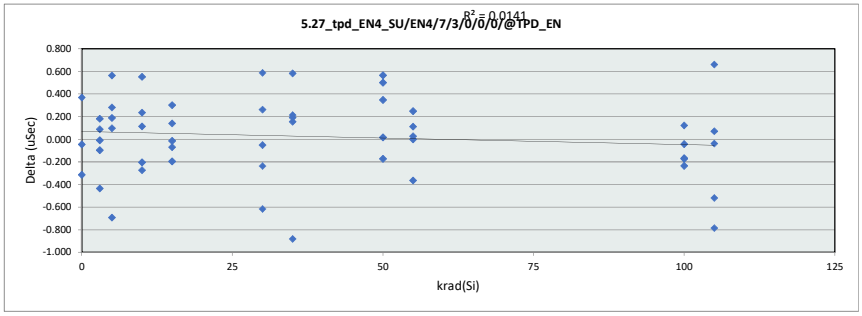


# TID HDR Report
# TPS7H3014-SP

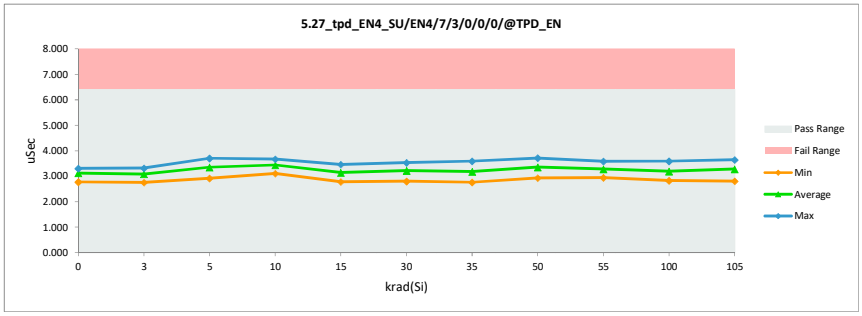
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.27_tpd_EN4_SU/EN4/7/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.907 | 3.279 | 0.372 |
| 0 | 14 | 3.352 | 3.309 | -0.043 |
| 0 | 15 | 3.086 | 2.774 | -0.312 |
| 3 | 20 | 3.481 | 3.049 | -0.432 |
| 3 | 21 | 3.036 | 3.127 | 0.091 |
| 3 | 22 | 2.763 | 2.757 | -0.006 |
| 3 | 23 | 2.973 | 3.157 | 0.184 |
| 3 | 24 | 3.414 | 3.320 | -0.094 |
| 5 | 25 | 3.193 | 3.477 | 0.284 |
| 5 | 26 | 3.422 | 3.613 | 0.191 |
| 5 | 27 | 2.931 | 3.031 | 0.100 |
| 5 | 28 | 3.138 | 3.704 | 0.566 |
| 5 | 29 | 3.610 | 2.920 | -0.690 |
| 10 | 30 | 3.342 | 3.459 | 0.117 |
| 10 | 31 | 3.313 | 3.112 | -0.201 |
| 10 | 32 | 3.699 | 3.428 | -0.271 |
| 10 | 33 | 3.304 | 3.543 | 0.239 |
| 10 | 34 | 3.116 | 3.671 | 0.555 |
| 15 | 35 | 3.301 | 3.108 | -0.193 |
| 15 | 36 | 2.903 | 3.208 | 0.305 |
| 15 | 37 | 2.854 | 2.786 | -0.068 |
| 15 | 38 | 3.322 | 3.465 | 0.143 |
| 15 | 39 | 3.159 | 3.148 | -0.011 |
| 30 | 40 | 3.764 | 3.150 | -0.614 |
| 30 | 41 | 3.036 | 2.802 | -0.234 |
| 30 | 42 | 2.947 | 3.537 | 0.590 |
| 30 | 43 | 3.205 | 3.156 | -0.049 |
| 30 | 44 | 3.183 | 3.448 | 0.265 |
| 35 | 45 | 3.436 | 3.593 | 0.157 |
| 35 | 46 | 2.748 | 3.334 | 0.586 |
| 35 | 47 | 2.834 | 3.050 | 0.216 |
| 35 | 48 | 3.641 | 2.762 | -0.879 |
| 35 | 49 | 2.969 | 3.163 | 0.194 |
| 50 | 50 | 2.915 | 2.934 | 0.019 |
| 50 | 51 | 2.933 | 3.437 | 0.504 |
| 50 | 52 | 3.365 | 3.715 | 0.350 |
| 50 | 53 | 2.832 | 3.400 | 0.568 |
| 50 | 54 | 3.485 | 3.315 | -0.170 |
| 55 | 55 | 3.563 | 3.201 | -0.362 |
| 55 | 56 | 2.947 | 2.948 | 0.001 |
| 55 | 57 | 3.365 | 3.480 | 0.115 |
| 55 | 58 | 3.159 | 3.188 | 0.029 |
| 55 | 59 | 3.332 | 3.584 | 0.252 |
| 100 | 60 | 2.992 | 2.827 | -0.165 |
| 100 | 61 | 3.631 | 3.591 | -0.040 |
| 100 | 62 | 3.466 | 3.234 | -0.232 |
| 100 | 63 | 3.142 | 3.267 | 0.125 |
| 100 | 64 | 3.239 | 3.068 | -0.171 |
| 105 | 65 | 3.570 | 3.643 | 0.073 |
| 105 | 66 | 2.754 | 3.418 | 0.664 |
| 105 | 67 | 3.589 | 2.807 | -0.782 |
| 105 | 68 | 3.439 | 2.923 | -0.516 |
| 105 | 69 | 3.651 | 3.616 | -0.035 |
| | Max | 3.764 | 3.715 | 0.664 |
| | Average | 3.222 | 3.246 | 0.024 |
| | Min | 2.748 | 2.757 | -0.879 |
| | Std Dev | 0.279 | 0.280 | 0.353 |




| | 5.27_tpd_EN4_SU/EN4/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.774 | 2.757 | 2.920 | 3.112 | 2.786 | 2.802 | 2.762 | 2.934 | 2.948 | 2.827 | 2.807 |
| Average | 3.121 | 3.082 | 3.349 | 3.443 | 3.143 | 3.219 | 3.180 | 3.360 | 3.280 | 3.197 | 3.281 |
| Max | 3.309 | 3.320 | 3.704 | 3.671 | 3.465 | 3.537 | 3.593 | 3.715 | 3.584 | 3.591 | 3.643 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

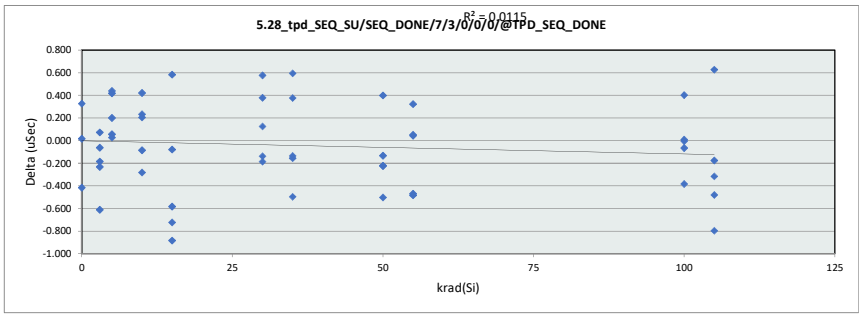


# TID HDR Report
# TPS7H3014-SP

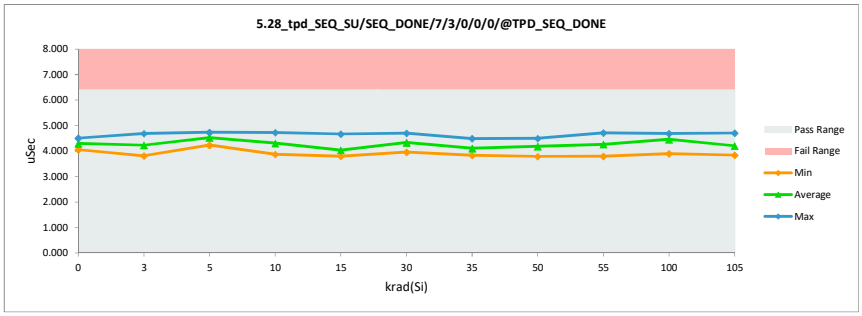
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.28_tpd_SEQ_SU/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.180 | 4.509 | 0.329 |
| 0 | 14 | 4.741 | 4.328 | -0.413 |
| 0 | 15 | 4.036 | 4.055 | 0.019 |
| 3 | 20 | 4.310 | 4.385 | 0.075 |
| 3 | 21 | 4.126 | 3.943 | -0.183 |
| 3 | 22 | 4.564 | 4.335 | -0.229 |
| 3 | 23 | 4.754 | 4.693 | -0.061 |
| 3 | 24 | 4.426 | 3.817 | -0.609 |
| 5 | 25 | 4.628 | 4.657 | 0.029 |
| 5 | 26 | 4.176 | 4.235 | 0.059 |
| 5 | 27 | 4.042 | 4.463 | 0.421 |
| 5 | 28 | 4.534 | 4.737 | 0.203 |
| 5 | 29 | 4.086 | 4.527 | 0.441 |
| 10 | 30 | 4.327 | 4.562 | 0.235 |
| 10 | 31 | 4.477 | 4.198 | -0.279 |
| 10 | 32 | 4.303 | 4.727 | 0.424 |
| 10 | 33 | 4.002 | 4.209 | 0.207 |
| 10 | 34 | 3.956 | 3.873 | -0.083 |
| 15 | 35 | 4.721 | 3.839 | -0.882 |
| 15 | 36 | 4.597 | 4.015 | -0.582 |
| 15 | 37 | 4.087 | 4.672 | 0.585 |
| 15 | 38 | 3.932 | 3.856 | -0.076 |
| 15 | 39 | 4.517 | 3.796 | -0.721 |
| 30 | 40 | 4.124 | 4.704 | 0.580 |
| 30 | 41 | 4.401 | 4.266 | -0.135 |
| 30 | 42 | 4.226 | 4.354 | 0.128 |
| 30 | 43 | 4.145 | 3.961 | -0.184 |
| 30 | 44 | 4.012 | 4.393 | 0.381 |
| 35 | 45 | 3.827 | 4.207 | 0.380 |
| 35 | 46 | 4.166 | 4.013 | -0.153 |
| 35 | 47 | 3.968 | 3.835 | -0.133 |
| 35 | 48 | 3.894 | 4.492 | 0.598 |
| 35 | 49 | 4.480 | 3.985 | -0.495 |
| 50 | 50 | 4.095 | 4.497 | 0.402 |
| 50 | 51 | 3.921 | 3.790 | -0.131 |
| 50 | 52 | 4.417 | 3.917 | -0.500 |
| 50 | 53 | 4.467 | 4.244 | -0.223 |
| 50 | 54 | 4.721 | 4.501 | -0.220 |
| 55 | 55 | 4.478 | 3.996 | -0.482 |
| 55 | 56 | 4.393 | 4.718 | 0.325 |
| 55 | 57 | 4.433 | 4.478 | 0.045 |
| 55 | 58 | 3.744 | 3.798 | 0.054 |
| 55 | 59 | 4.800 | 4.332 | -0.468 |
| 100 | 60 | 4.159 | 4.564 | 0.405 |
| 100 | 61 | 4.679 | 4.691 | 0.012 |
| 100 | 62 | 4.281 | 3.900 | -0.381 |
| 100 | 63 | 4.568 | 4.505 | -0.063 |
| 100 | 64 | 4.646 | 4.644 | -0.002 |
| 105 | 65 | 4.081 | 4.711 | 0.630 |
| 105 | 66 | 4.461 | 4.288 | -0.173 |
| 105 | 67 | 4.634 | 3.839 | -0.795 |
| 105 | 68 | 4.267 | 3.953 | -0.314 |
| 105 | 69 | 4.717 | 4.238 | -0.479 |
| | Max | 4.800 | 4.737 | 0.630 |
| | Average | 4.316 | 4.269 | -0.047 |
| | Min | 3.744 | 3.790 | -0.882 |
| | Std Dev | 0.279 | 0.314 | 0.380 |




| | 5.28_tpd_SEQ_SU/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 4.055 | 3.817 | 4.235 | 3.873 | 3.796 | 3.961 | 3.835 | 3.790 | 3.798 | 3.900 | 3.839 |
| Average | 4.297 | 4.235 | 4.524 | 4.314 | 4.036 | 4.336 | 4.106 | 4.190 | 4.264 | 4.461 | 4.206 |
| Max | 4.509 | 4.693 | 4.737 | 4.727 | 4.672 | 4.704 | 4.492 | 4.501 | 4.718 | 4.691 | 4.711 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

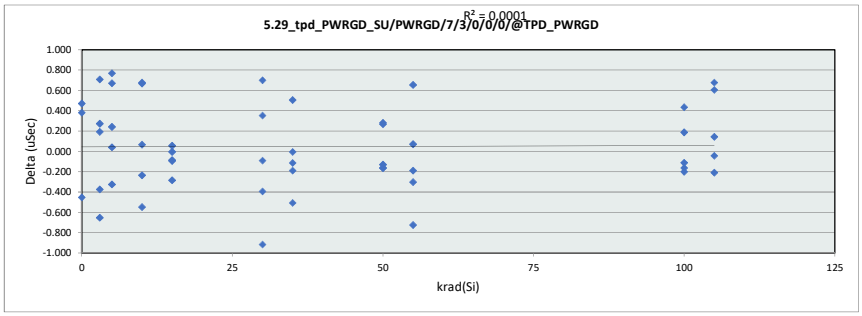


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

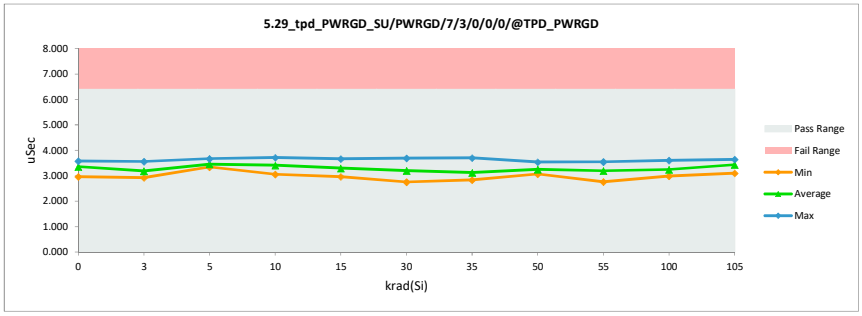
| | 5.29_tpd_PWRGD_SU/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.200 | 3.584 | 0.384 |
| 0 | 14 | 3.067 | 3.541 | 0.474 |
| 0 | 15 | 3.415 | 2.965 | -0.450 |
| 3 | 20 | 2.918 | 3.194 | 0.276 |
| 3 | 21 | 2.831 | 3.026 | 0.195 |
| 3 | 22 | 2.852 | 3.564 | 0.712 |
| 3 | 23 | 3.618 | 3.248 | -0.370 |
| 3 | 24 | 3.580 | 2.931 | -0.649 |
| 5 | 25 | 2.904 | 3.676 | 0.772 |
| 5 | 26 | 2.767 | 3.440 | 0.673 |
| 5 | 27 | 3.671 | 3.350 | -0.321 |
| 5 | 28 | 3.133 | 3.378 | 0.245 |
| 5 | 29 | 3.407 | 3.450 | 0.043 |
| 10 | 30 | 3.637 | 3.405 | -0.232 |
| 10 | 31 | 3.037 | 3.717 | 0.680 |
| 10 | 32 | 3.602 | 3.057 | -0.545 |
| 10 | 33 | 2.999 | 3.670 | 0.671 |
| 10 | 34 | 3.184 | 3.254 | 0.070 |
| 15 | 35 | 3.304 | 3.304 | 0.000 |
| 15 | 36 | 3.611 | 3.670 | 0.059 |
| 15 | 37 | 3.568 | 3.486 | -0.082 |
| 15 | 38 | 3.164 | 3.074 | -0.090 |
| 15 | 39 | 3.246 | 2.965 | -0.281 |
| 30 | 40 | 2.810 | 3.513 | 0.703 |
| 30 | 41 | 3.336 | 3.692 | 0.356 |
| 30 | 42 | 2.969 | 2.881 | -0.088 |
| 30 | 43 | 3.669 | 2.756 | -0.913 |
| 30 | 44 | 3.560 | 3.169 | -0.391 |
| 35 | 45 | 2.950 | 2.840 | -0.110 |
| 35 | 46 | 3.197 | 3.706 | 0.509 |
| 35 | 47 | 3.083 | 2.898 | -0.185 |
| 35 | 48 | 3.240 | 3.238 | -0.002 |
| 35 | 49 | 3.448 | 2.945 | -0.503 |
| 50 | 50 | 3.261 | 3.102 | -0.159 |
| 50 | 51 | 3.702 | 3.543 | -0.159 |
| 50 | 52 | 2.812 | 3.083 | 0.271 |
| 50 | 53 | 2.787 | 3.071 | 0.284 |
| 50 | 54 | 3.590 | 3.464 | -0.126 |
| 55 | 55 | 3.065 | 2.767 | -0.298 |
| 55 | 56 | 3.410 | 3.485 | 0.075 |
| 55 | 57 | 3.575 | 2.854 | -0.721 |
| 55 | 58 | 3.524 | 3.339 | -0.185 |
| 55 | 59 | 2.891 | 3.548 | 0.657 |
| 100 | 60 | 3.338 | 3.178 | -0.160 |
| 100 | 61 | 3.009 | 3.200 | 0.191 |
| 100 | 62 | 3.189 | 2.992 | -0.197 |
| 100 | 63 | 3.168 | 3.606 | 0.438 |
| 100 | 64 | 3.378 | 3.269 | -0.109 |
| 105 | 65 | 2.927 | 3.535 | 0.608 |
| 105 | 66 | 3.311 | 3.106 | -0.205 |
| 105 | 67 | 3.178 | 3.324 | 0.146 |
| 105 | 68 | 3.623 | 3.583 | -0.040 |
| 105 | 69 | 2.970 | 3.650 | 0.680 |
| | Max | 3.702 | 3.717 | 0.772 |
| | Average | 3.239 | 3.288 | 0.049 |
| | Min | 2.767 | 2.756 | -0.913 |
| | Std Dev | 0.283 | 0.281 | 0.413 |




| | 5.29_tpd_PWRGD_SU/PV | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.965 | 2.931 | 3.350 | 3.057 | 2.965 | 2.756 | 2.840 | 3.071 | 2.767 | 2.992 | 3.106 |
| Average | 3.363 | 3.193 | 3.459 | 3.421 | 3.300 | 3.202 | 3.125 | 3.253 | 3.199 | 3.249 | 3.440 |
| Max | 3.584 | 3.564 | 3.676 | 3.717 | 3.670 | 3.692 | 3.706 | 3.543 | 3.548 | 3.606 | 3.650 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

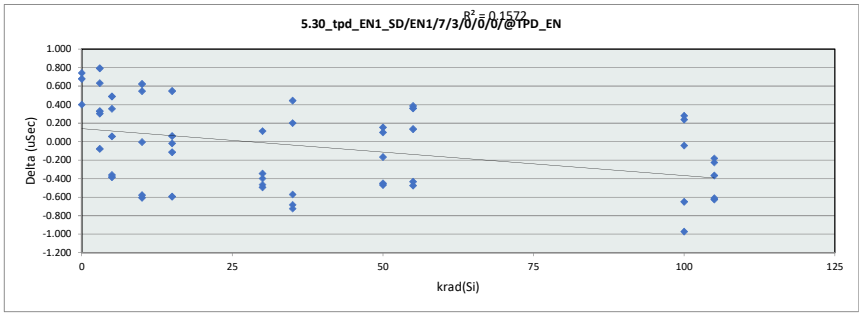


# TID HDR Report
# TPS7H3014-SP

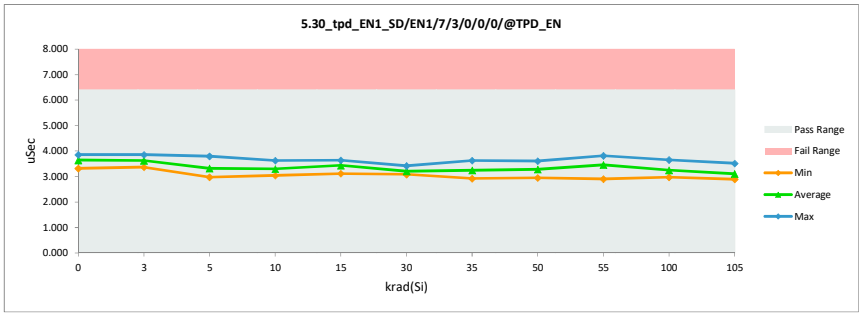
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.30_tpd_EN1_SD/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.073 | 3.754 | 0.681 |
| 0 | 14 | 2.921 | 3.324 | 0.403 |
| 0 | 15 | 3.114 | 3.859 | 0.745 |
| 3 | 20 | 3.063 | 3.858 | 0.795 |
| 3 | 21 | 3.062 | 3.367 | 0.305 |
| 3 | 22 | 3.585 | 3.509 | -0.076 |
| 3 | 23 | 3.144 | 3.778 | 0.634 |
| 3 | 24 | 3.313 | 3.646 | 0.333 |
| 5 | 25 | 3.476 | 3.118 | -0.358 |
| 5 | 26 | 3.357 | 2.975 | -0.382 |
| 5 | 27 | 3.247 | 3.605 | 0.358 |
| 5 | 28 | 3.060 | 3.120 | 0.060 |
| 5 | 29 | 3.310 | 3.801 | 0.491 |
| 10 | 30 | 2.926 | 3.551 | 0.625 |
| 10 | 31 | 3.083 | 3.632 | 0.549 |
| 10 | 32 | 3.646 | 3.041 | -0.605 |
| 10 | 33 | 3.127 | 3.126 | -0.001 |
| 10 | 34 | 3.731 | 3.155 | -0.576 |
| 15 | 35 | 3.291 | 3.354 | 0.063 |
| 15 | 36 | 2.943 | 3.493 | 0.550 |
| 15 | 37 | 3.709 | 3.117 | -0.592 |
| 15 | 38 | 3.753 | 3.642 | -0.111 |
| 15 | 39 | 3.628 | 3.611 | -0.017 |
| 30 | 40 | 3.913 | 3.422 | -0.491 |
| 30 | 41 | 3.592 | 3.130 | -0.462 |
| 30 | 42 | 2.973 | 3.090 | 0.117 |
| 30 | 43 | 3.498 | 3.157 | -0.341 |
| 30 | 44 | 3.643 | 3.248 | -0.395 |
| 35 | 45 | 3.831 | 3.262 | -0.569 |
| 35 | 46 | 3.606 | 2.926 | -0.680 |
| 35 | 47 | 3.425 | 3.629 | 0.204 |
| 35 | 48 | 3.800 | 3.078 | -0.722 |
| 35 | 49 | 2.880 | 3.326 | 0.446 |
| 50 | 50 | 3.399 | 2.952 | -0.447 |
| 50 | 51 | 3.453 | 3.609 | 0.156 |
| 50 | 52 | 3.166 | 3.268 | 0.102 |
| 50 | 53 | 3.446 | 2.981 | -0.465 |
| 50 | 54 | 3.763 | 3.600 | -0.163 |
| 55 | 55 | 3.377 | 2.904 | -0.473 |
| 55 | 56 | 3.585 | 3.723 | 0.138 |
| 55 | 57 | 3.188 | 3.576 | 0.388 |
| 55 | 58 | 3.458 | 3.821 | 0.363 |
| 55 | 59 | 3.717 | 3.288 | -0.429 |
| 100 | 60 | 3.143 | 3.103 | -0.040 |
| 100 | 61 | 3.771 | 3.123 | -0.648 |
| 100 | 62 | 3.374 | 3.656 | 0.282 |
| 100 | 63 | 3.945 | 2.975 | -0.970 |
| 100 | 64 | 3.145 | 3.386 | 0.241 |
| 105 | 65 | 3.306 | 3.128 | -0.178 |
| 105 | 66 | 3.265 | 2.902 | -0.363 |
| 105 | 67 | 3.695 | 3.087 | -0.608 |
| 105 | 68 | 3.741 | 3.518 | -0.223 |
| 105 | 69 | 3.517 | 2.895 | -0.622 |
| | Max | 3.945 | 3.859 | 0.795 |
| | Average | 3.400 | 3.343 | -0.056 |
| | Min | 2.880 | 2.895 | -0.970 |
| | Std Dev | 0.290 | 0.294 | 0.458 |




| | 5.30_tpd_EN1_SD/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.324 | 3.367 | 2.975 | 3.041 | 3.117 | 3.090 | 2.926 | 2.952 | 2.904 | 2.975 | 2.895 |
| Average | 3.646 | 3.632 | 3.324 | 3.301 | 3.443 | 3.209 | 3.244 | 3.282 | 3.462 | 3.249 | 3.106 |
| Max | 3.859 | 3.858 | 3.801 | 3.632 | 3.642 | 3.422 | 3.629 | 3.609 | 3.821 | 3.656 | 3.518 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

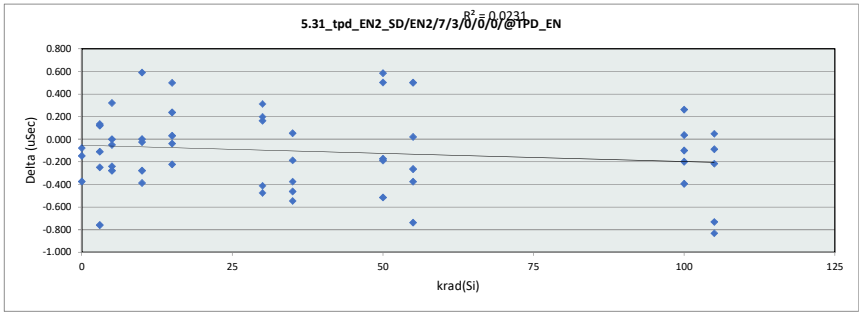


# TID HDR Report
# TPS7H3014-SP

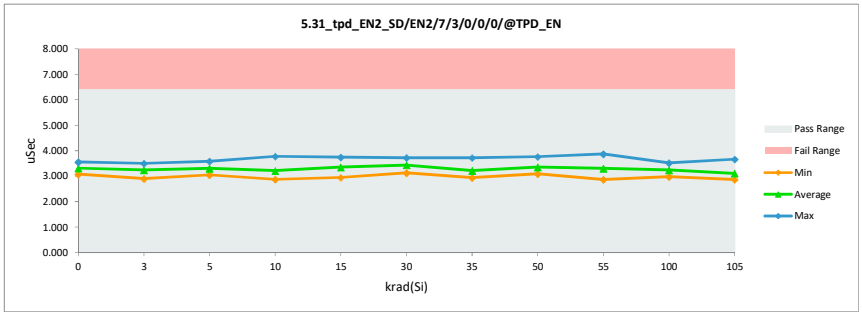
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.31_tpd_EN2_SD/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.699 | 3.555 | -0.144 |
| 0 | 14 | 3.684 | 3.314 | -0.370 |
| 0 | 15 | 3.158 | 3.083 | -0.075 |
| 3 | 20 | 3.521 | 3.414 | -0.107 |
| 3 | 21 | 3.658 | 2.902 | -0.756 |
| 3 | 22 | 3.136 | 3.260 | 0.124 |
| 3 | 23 | 3.392 | 3.147 | -0.245 |
| 3 | 24 | 3.365 | 3.502 | 0.137 |
| 5 | 25 | 2.972 | 3.296 | 0.324 |
| 5 | 26 | 3.332 | 3.057 | -0.275 |
| 5 | 27 | 3.177 | 3.181 | 0.004 |
| 5 | 28 | 3.476 | 3.430 | -0.046 |
| 5 | 29 | 3.826 | 3.590 | -0.236 |
| 10 | 30 | 2.936 | 2.915 | -0.021 |
| 10 | 31 | 3.304 | 3.029 | -0.275 |
| 10 | 32 | 3.526 | 3.531 | 0.005 |
| 10 | 33 | 3.261 | 2.877 | -0.384 |
| 10 | 34 | 3.182 | 3.776 | 0.594 |
| 15 | 35 | 3.169 | 2.951 | -0.218 |
| 15 | 36 | 3.292 | 3.532 | 0.240 |
| 15 | 37 | 3.328 | 3.294 | -0.034 |
| 15 | 38 | 3.235 | 3.270 | 0.035 |
| 15 | 39 | 3.244 | 3.746 | 0.502 |
| 30 | 40 | 3.410 | 3.726 | 0.316 |
| 30 | 41 | 3.851 | 3.443 | -0.408 |
| 30 | 42 | 3.602 | 3.131 | -0.471 |
| 30 | 43 | 3.277 | 3.444 | 0.167 |
| 30 | 44 | 3.249 | 3.451 | 0.202 |
| 35 | 45 | 3.384 | 3.013 | -0.371 |
| 35 | 46 | 3.672 | 3.728 | 0.056 |
| 35 | 47 | 3.348 | 3.165 | -0.183 |
| 35 | 48 | 3.816 | 3.273 | -0.543 |
| 35 | 49 | 3.404 | 2.946 | -0.458 |
| 50 | 50 | 3.679 | 3.168 | -0.511 |
| 50 | 51 | 3.597 | 3.427 | -0.170 |
| 50 | 52 | 3.175 | 3.763 | 0.588 |
| 50 | 53 | 3.278 | 3.094 | -0.184 |
| 50 | 54 | 2.847 | 3.352 | 0.505 |
| 55 | 55 | 2.975 | 3.479 | 0.504 |
| 55 | 56 | 3.848 | 3.872 | 0.024 |
| 55 | 57 | 3.707 | 2.973 | -0.734 |
| 55 | 58 | 3.134 | 2.874 | -0.260 |
| 55 | 59 | 3.717 | 3.345 | -0.372 |
| 100 | 60 | 3.050 | 3.090 | 0.040 |
| 100 | 61 | 3.722 | 3.527 | -0.195 |
| 100 | 62 | 3.078 | 2.981 | -0.097 |
| 100 | 63 | 2.975 | 3.241 | 0.266 |
| 100 | 64 | 3.769 | 3.378 | -0.391 |
| 105 | 65 | 3.217 | 3.133 | -0.084 |
| 105 | 66 | 3.615 | 3.667 | 0.052 |
| 105 | 67 | 3.208 | 2.995 | -0.213 |
| 105 | 68 | 3.713 | 2.885 | -0.828 |
| 105 | 69 | 3.598 | 2.871 | -0.727 |
| | Max | 3.851 | 3.872 | 0.594 |
| | Average | 3.392 | 3.285 | -0.108 |
| | Min | 2.847 | 2.871 | -0.828 |
| | Std Dev | 0.270 | 0.278 | 0.343 |




| | 5.31_tpd_EN2_SD/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.083 | 2.902 | 3.057 | 2.877 | 2.951 | 3.131 | 2.946 | 3.094 | 2.874 | 2.981 | 2.871 |
| Average | 3.317 | 3.245 | 3.311 | 3.226 | 3.359 | 3.439 | 3.225 | 3.361 | 3.309 | 3.243 | 3.110 |
| Max | 3.555 | 3.502 | 3.590 | 3.776 | 3.746 | 3.726 | 3.728 | 3.763 | 3.872 | 3.527 | 3.667 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

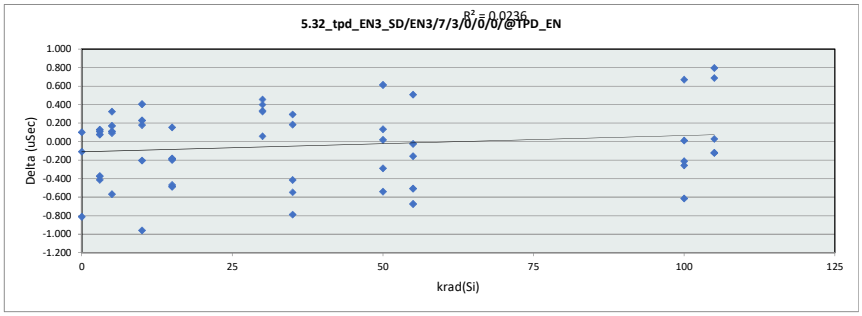


# TID HDR Report
# TPS7H3014-SP

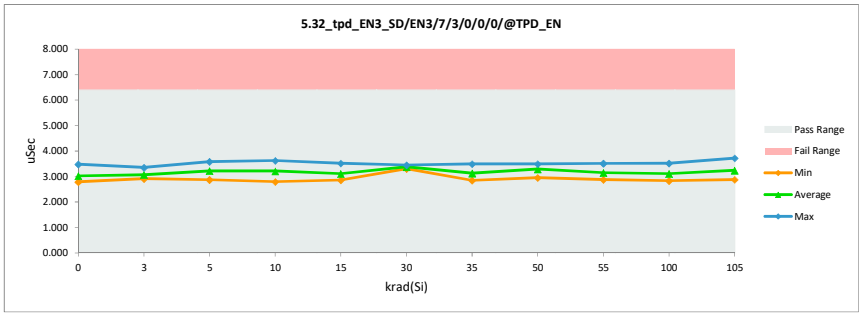
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.32_tpd_EN3_SD/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.382 | 3.487 | 0.105 |
| 0 | 14 | 2.894 | 2.790 | -0.104 |
| 0 | 15 | 3.602 | 2.794 | -0.808 |
| 3 | 20 | 3.326 | 2.957 | -0.369 |
| 3 | 21 | 3.428 | 3.020 | -0.408 |
| 3 | 22 | 3.242 | 3.355 | 0.113 |
| 3 | 23 | 2.972 | 3.104 | 0.132 |
| 3 | 24 | 2.835 | 2.915 | 0.080 |
| 5 | 25 | 2.855 | 3.028 | 0.173 |
| 5 | 26 | 3.472 | 3.586 | 0.114 |
| 5 | 27 | 3.639 | 3.075 | -0.564 |
| 5 | 28 | 3.216 | 3.545 | 0.329 |
| 5 | 29 | 2.777 | 2.874 | 0.097 |
| 10 | 30 | 3.752 | 2.796 | -0.956 |
| 10 | 31 | 3.221 | 3.630 | 0.409 |
| 10 | 32 | 3.357 | 3.156 | -0.201 |
| 10 | 33 | 2.851 | 3.033 | 0.182 |
| 10 | 34 | 3.217 | 3.451 | 0.234 |
| 15 | 35 | 3.196 | 3.018 | -0.178 |
| 15 | 36 | 3.418 | 2.936 | -0.482 |
| 15 | 37 | 3.074 | 3.232 | 0.158 |
| 15 | 38 | 3.715 | 3.522 | -0.193 |
| 15 | 39 | 3.330 | 2.865 | -0.465 |
| 30 | 40 | 3.328 | 3.391 | 0.063 |
| 30 | 41 | 2.945 | 3.349 | 0.404 |
| 30 | 42 | 2.945 | 3.404 | 0.459 |
| 30 | 43 | 3.115 | 3.453 | 0.338 |
| 30 | 44 | 2.980 | 3.309 | 0.329 |
| 35 | 45 | 3.293 | 2.883 | -0.410 |
| 35 | 46 | 3.633 | 2.848 | -0.785 |
| 35 | 47 | 3.196 | 3.494 | 0.298 |
| 35 | 48 | 3.548 | 3.005 | -0.543 |
| 35 | 49 | 3.244 | 3.432 | 0.188 |
| 50 | 50 | 3.353 | 3.491 | 0.138 |
| 50 | 51 | 3.321 | 3.343 | 0.022 |
| 50 | 52 | 3.741 | 3.204 | -0.537 |
| 50 | 53 | 3.238 | 2.954 | -0.284 |
| 50 | 54 | 2.881 | 3.497 | 0.616 |
| 55 | 55 | 3.343 | 3.190 | -0.153 |
| 55 | 56 | 3.521 | 3.017 | -0.504 |
| 55 | 57 | 3.184 | 3.164 | -0.020 |
| 55 | 58 | 3.550 | 2.880 | -0.670 |
| 55 | 59 | 3.007 | 3.519 | 0.512 |
| 100 | 60 | 2.848 | 3.521 | 0.673 |
| 100 | 61 | 3.085 | 2.877 | -0.208 |
| 100 | 62 | 3.714 | 3.461 | -0.253 |
| 100 | 63 | 3.451 | 2.840 | -0.611 |
| 100 | 64 | 2.843 | 2.858 | 0.015 |
| 105 | 65 | 2.846 | 3.537 | 0.691 |
| 105 | 66 | 2.913 | 2.946 | 0.033 |
| 105 | 67 | 2.924 | 3.724 | 0.800 |
| 105 | 68 | 3.001 | 2.886 | -0.115 |
| 105 | 69 | 3.225 | 3.106 | -0.119 |
| | Max | 3.752 | 3.724 | 0.800 |
| | Average | 3.226 | 3.184 | -0.042 |
| | Min | 2.777 | 2.790 | -0.956 |
| | Std Dev | 0.278 | 0.275 | 0.411 |




| | 5.32_tpd_EN3_SD/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.790 | 2.915 | 2.874 | 2.796 | 2.865 | 3.309 | 2.848 | 2.954 | 2.880 | 2.840 | 2.886 |
| Average | 3.024 | 3.070 | 3.222 | 3.213 | 3.115 | 3.381 | 3.132 | 3.298 | 3.154 | 3.111 | 3.240 |
| Max | 3.487 | 3.355 | 3.586 | 3.630 | 3.522 | 3.453 | 3.494 | 3.497 | 3.519 | 3.521 | 3.724 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

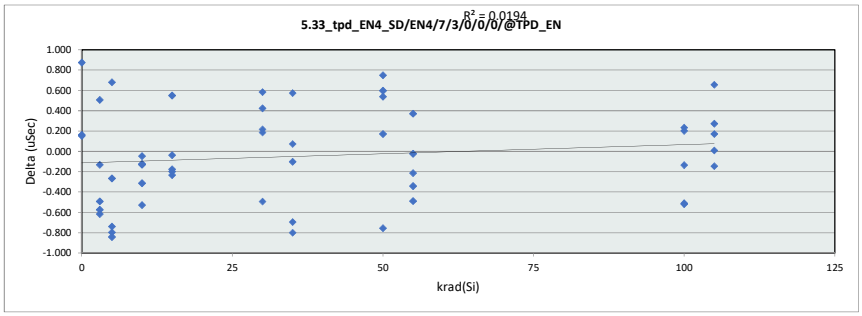


# TID HDR Report
# TPS7H3014-SP

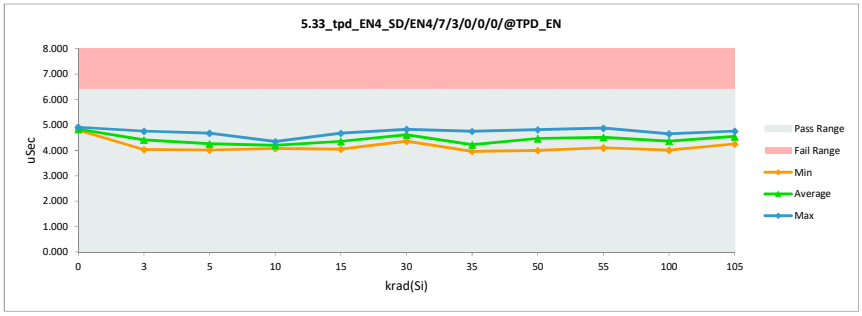
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.33_tpd_EN4_SD/EN4/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.927 | 4.802 | 0.875 |
| 0 | 14 | 4.632 | 4.797 | 0.165 |
| 0 | 15 | 4.751 | 4.907 | 0.156 |
| 3 | 20 | 4.886 | 4.756 | -0.130 |
| 3 | 21 | 4.857 | 4.367 | -0.490 |
| 3 | 22 | 4.037 | 4.546 | 0.509 |
| 3 | 23 | 4.927 | 4.355 | -0.572 |
| 3 | 24 | 4.642 | 4.028 | -0.614 |
| 5 | 25 | 4.855 | 4.015 | -0.840 |
| 5 | 26 | 4.558 | 4.295 | -0.263 |
| 5 | 27 | 4.900 | 4.106 | -0.794 |
| 5 | 28 | 4.922 | 4.185 | -0.737 |
| 5 | 29 | 3.996 | 4.679 | 0.683 |
| 10 | 30 | 4.245 | 4.201 | -0.044 |
| 10 | 31 | 4.604 | 4.079 | -0.525 |
| 10 | 32 | 4.326 | 4.199 | -0.127 |
| 10 | 33 | 4.656 | 4.345 | -0.311 |
| 10 | 34 | 4.306 | 4.185 | -0.121 |
| 15 | 35 | 4.279 | 4.048 | -0.231 |
| 15 | 36 | 3.979 | 4.530 | 0.551 |
| 15 | 37 | 4.613 | 4.417 | -0.196 |
| 15 | 38 | 4.281 | 4.107 | -0.174 |
| 15 | 39 | 4.714 | 4.680 | -0.034 |
| 30 | 40 | 4.525 | 4.744 | 0.219 |
| 30 | 41 | 4.855 | 4.364 | -0.491 |
| 30 | 42 | 4.245 | 4.831 | 0.586 |
| 30 | 43 | 4.187 | 4.613 | 0.426 |
| 30 | 44 | 4.306 | 4.494 | 0.188 |
| 35 | 45 | 4.821 | 4.024 | -0.797 |
| 35 | 46 | 4.651 | 3.959 | -0.692 |
| 35 | 47 | 4.172 | 4.748 | 0.576 |
| 35 | 48 | 4.159 | 4.059 | -0.100 |
| 35 | 49 | 4.256 | 4.332 | 0.076 |
| 50 | 50 | 4.061 | 4.812 | 0.751 |
| 50 | 51 | 4.753 | 3.999 | -0.754 |
| 50 | 52 | 4.019 | 4.618 | 0.599 |
| 50 | 53 | 4.188 | 4.362 | 0.174 |
| 50 | 54 | 3.998 | 4.538 | 0.540 |
| 55 | 55 | 4.892 | 4.871 | -0.021 |
| 55 | 56 | 4.312 | 4.101 | -0.211 |
| 55 | 57 | 4.494 | 4.867 | 0.373 |
| 55 | 58 | 4.760 | 4.273 | -0.487 |
| 55 | 59 | 4.781 | 4.442 | -0.339 |
| 100 | 60 | 4.416 | 4.651 | 0.235 |
| 100 | 61 | 4.246 | 4.451 | 0.205 |
| 100 | 62 | 4.525 | 4.009 | -0.516 |
| 100 | 63 | 4.588 | 4.455 | -0.133 |
| 100 | 64 | 4.775 | 4.267 | -0.508 |
| 105 | 65 | 4.896 | 4.753 | -0.143 |
| 105 | 66 | 3.952 | 4.610 | 0.658 |
| 105 | 67 | 4.583 | 4.757 | 0.174 |
| 105 | 68 | 4.362 | 4.374 | 0.012 |
| 105 | 69 | 3.977 | 4.252 | 0.275 |
| | Max | 4.927 | 4.907 | 0.875 |
| | Average | 4.465 | 4.420 | -0.045 |
| | Min | 3.927 | 3.959 | -0.840 |
| | Std Dev | 0.315 | 0.284 | 0.461 |




| | 5.33_tpd_EN4_SD/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 4.797 | 4.028 | 4.015 | 4.079 | 4.048 | 4.364 | 3.959 | 3.999 | 4.101 | 4.009 | 4.252 |
| Average | 4.835 | 4.410 | 4.256 | 4.202 | 4.356 | 4.609 | 4.224 | 4.466 | 4.511 | 4.367 | 4.549 |
| Max | 4.907 | 4.756 | 4.679 | 4.345 | 4.680 | 4.831 | 4.748 | 4.812 | 4.871 | 4.651 | 4.757 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

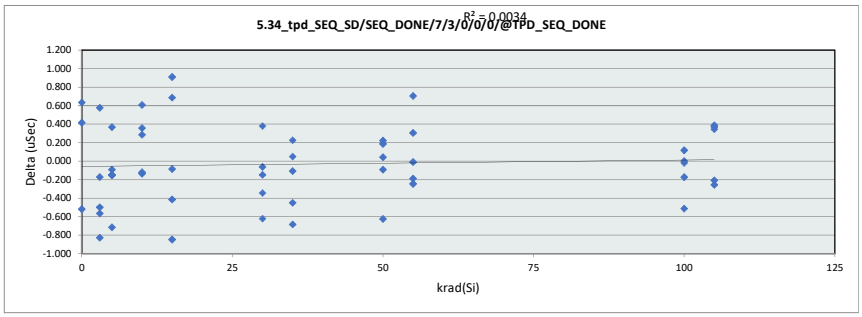


# TID HDR Report
# TPS7H3014-SP

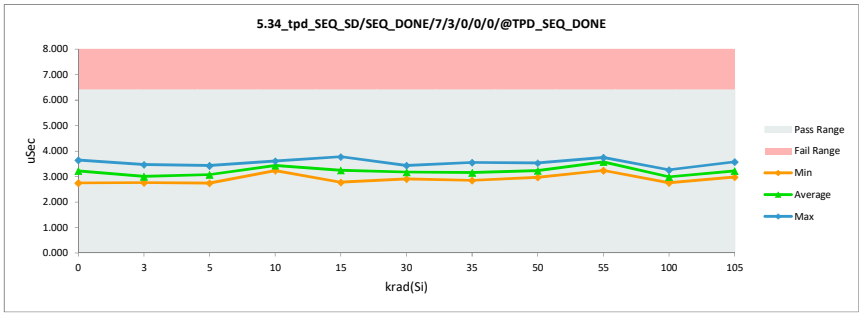
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.34_tpd_SEQ_SD/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.006 | 3.644 | 0.638 |
| 0 | 14 | 2.852 | 3.270 | 0.418 |
| 0 | 15 | 3.265 | 2.750 | -0.515 |
| 3 | 20 | 2.984 | 2.816 | -0.168 |
| 3 | 21 | 2.891 | 3.471 | 0.580 |
| 3 | 22 | 3.441 | 2.879 | -0.562 |
| 3 | 23 | 3.602 | 3.107 | -0.495 |
| 3 | 24 | 3.589 | 2.765 | -0.824 |
| 5 | 25 | 3.573 | 3.428 | -0.145 |
| 5 | 26 | 3.225 | 3.077 | -0.148 |
| 5 | 27 | 2.876 | 3.248 | 0.372 |
| 5 | 28 | 2.984 | 2.895 | -0.089 |
| 5 | 29 | 3.457 | 2.745 | -0.712 |
| 10 | 30 | 3.592 | 3.476 | -0.116 |
| 10 | 31 | 2.881 | 3.492 | 0.611 |
| 10 | 32 | 3.326 | 3.615 | 0.289 |
| 10 | 33 | 3.363 | 3.231 | -0.132 |
| 10 | 34 | 2.993 | 3.353 | 0.360 |
| 15 | 35 | 2.841 | 3.530 | 0.689 |
| 15 | 36 | 3.106 | 3.025 | -0.081 |
| 15 | 37 | 3.618 | 2.774 | -0.844 |
| 15 | 38 | 2.866 | 3.779 | 0.913 |
| 15 | 39 | 3.537 | 3.127 | -0.410 |
| 30 | 40 | 3.376 | 3.317 | -0.059 |
| 30 | 41 | 3.246 | 2.905 | -0.341 |
| 30 | 42 | 3.051 | 3.434 | 0.383 |
| 30 | 43 | 3.322 | 3.177 | -0.145 |
| 30 | 44 | 3.673 | 3.055 | -0.618 |
| 35 | 45 | 3.325 | 3.555 | 0.230 |
| 35 | 46 | 3.171 | 3.067 | -0.104 |
| 35 | 47 | 3.309 | 3.362 | 0.053 |
| 35 | 48 | 3.635 | 2.955 | -0.680 |
| 35 | 49 | 3.292 | 2.846 | -0.446 |
| 50 | 50 | 3.436 | 3.482 | 0.046 |
| 50 | 51 | 2.975 | 3.165 | 0.190 |
| 50 | 52 | 3.638 | 3.017 | -0.621 |
| 50 | 53 | 3.621 | 3.533 | -0.088 |
| 50 | 54 | 2.747 | 2.972 | 0.225 |
| 55 | 55 | 3.423 | 3.239 | -0.184 |
| 55 | 56 | 3.012 | 3.719 | 0.707 |
| 55 | 57 | 3.441 | 3.749 | 0.308 |
| 55 | 58 | 3.615 | 3.608 | -0.007 |
| 55 | 59 | 3.797 | 3.556 | -0.241 |
| 100 | 60 | 3.278 | 3.263 | -0.015 |
| 100 | 61 | 2.778 | 2.782 | 0.004 |
| 100 | 62 | 3.118 | 3.239 | 0.121 |
| 100 | 63 | 3.402 | 2.893 | -0.509 |
| 100 | 64 | 2.929 | 2.760 | -0.169 |
| 105 | 65 | 2.958 | 3.306 | 0.348 |
| 105 | 66 | 2.762 | 3.153 | 0.391 |
| 105 | 67 | 3.208 | 3.582 | 0.374 |
| 105 | 68 | 3.186 | 2.982 | -0.204 |
| 105 | 69 | 3.344 | 3.092 | -0.252 |
| | Max | 3.797 | 3.779 | 0.913 |
| | Average | 3.244 | 3.212 | -0.032 |
| | Min | 2.747 | 2.745 | -0.844 |
| | Std Dev | 0.286 | 0.300 | 0.423 |




| | 5.34_tpd_SEQ_SD/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.750 | 2.765 | 2.745 | 3.231 | 2.774 | 2.905 | 2.846 | 2.972 | 3.239 | 2.760 | 2.982 |
| Average | 3.221 | 3.008 | 3.079 | 3.433 | 3.247 | 3.178 | 3.157 | 3.234 | 3.574 | 2.987 | 3.223 |
| Max | 3.644 | 3.471 | 3.428 | 3.615 | 3.779 | 3.434 | 3.555 | 3.533 | 3.749 | 3.263 | 3.582 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

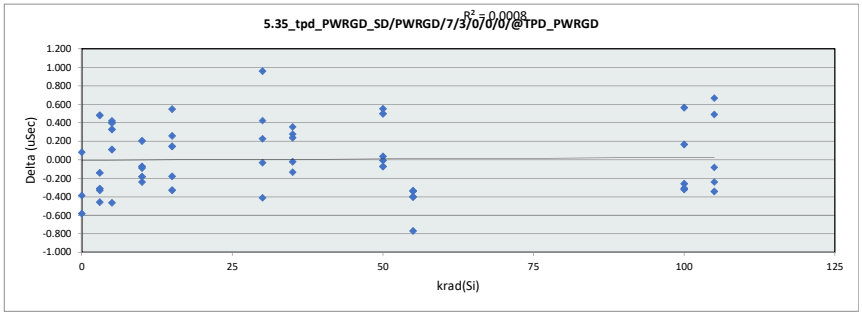


# TID HDR Report
# TPS7H3014-SP

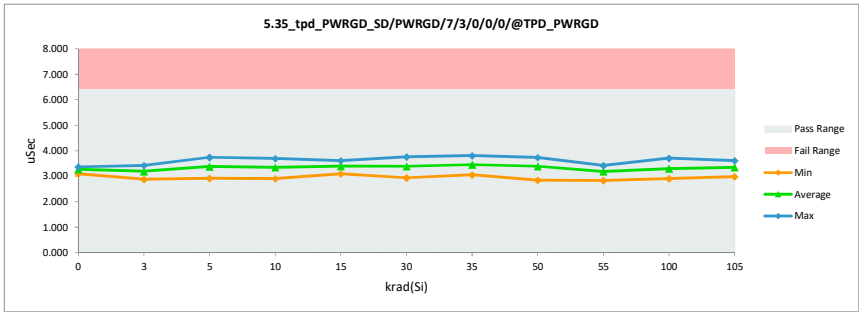
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.35_tpd_PWRGD_SD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.730 | 3.347 | -0.383 |
| 0 | 14 | 3.673 | 3.094 | -0.579 |
| 0 | 15 | 3.282 | 3.367 | 0.085 |
| 3 | 20 | 3.016 | 2.879 | -0.137 |
| 3 | 21 | 3.666 | 3.212 | -0.454 |
| 3 | 22 | 3.731 | 3.423 | -0.308 |
| 3 | 23 | 2.892 | 3.376 | 0.484 |
| 3 | 24 | 3.396 | 3.069 | -0.327 |
| 5 | 25 | 3.381 | 2.920 | -0.461 |
| 5 | 26 | 3.107 | 3.508 | 0.401 |
| 5 | 27 | 3.319 | 3.743 | 0.424 |
| 5 | 28 | 3.207 | 3.538 | 0.331 |
| 5 | 29 | 3.099 | 3.213 | 0.114 |
| 10 | 30 | 3.357 | 3.178 | -0.179 |
| 10 | 31 | 3.478 | 3.408 | -0.070 |
| 10 | 32 | 3.142 | 2.906 | -0.236 |
| 10 | 33 | 3.370 | 3.577 | 0.207 |
| 10 | 34 | 3.779 | 3.694 | -0.085 |
| 15 | 35 | 3.419 | 3.095 | -0.324 |
| 15 | 36 | 3.001 | 3.552 | 0.551 |
| 15 | 37 | 3.168 | 3.316 | 0.148 |
| 15 | 38 | 3.156 | 3.417 | 0.261 |
| 15 | 39 | 3.790 | 3.614 | -0.176 |
| 30 | 40 | 3.349 | 2.942 | -0.407 |
| 30 | 41 | 3.073 | 3.045 | -0.028 |
| 30 | 42 | 3.217 | 3.448 | 0.231 |
| 30 | 43 | 3.331 | 3.758 | 0.427 |
| 30 | 44 | 2.800 | 3.761 | 0.961 |
| 35 | 45 | 3.568 | 3.810 | 0.242 |
| 35 | 46 | 2.914 | 3.272 | 0.358 |
| 35 | 47 | 3.077 | 3.059 | -0.018 |
| 35 | 48 | 3.410 | 3.692 | 0.282 |
| 35 | 49 | 3.565 | 3.434 | -0.131 |
| 50 | 50 | 3.271 | 3.201 | -0.070 |
| 50 | 51 | 3.175 | 3.676 | 0.501 |
| 50 | 52 | 3.181 | 3.736 | 0.555 |
| 50 | 53 | 2.851 | 2.846 | -0.005 |
| 50 | 54 | 3.454 | 3.494 | 0.040 |
| 55 | 55 | 3.824 | 3.059 | -0.765 |
| 55 | 56 | 3.821 | 3.422 | -0.399 |
| 55 | 57 | 3.232 | 2.836 | -0.396 |
| 55 | 58 | 3.563 | 3.226 | -0.337 |
| 55 | 59 | 3.723 | 3.392 | -0.331 |
| 100 | 60 | 3.814 | 3.509 | -0.305 |
| 100 | 61 | 3.164 | 2.907 | -0.257 |
| 100 | 62 | 3.144 | 3.712 | 0.568 |
| 100 | 63 | 2.911 | 3.081 | 0.170 |
| 100 | 64 | 3.589 | 3.272 | -0.317 |
| 105 | 65 | 3.341 | 3.262 | -0.079 |
| 105 | 66 | 3.116 | 3.609 | 0.493 |
| 105 | 67 | 2.867 | 3.537 | 0.670 |
| 105 | 68 | 3.685 | 3.345 | -0.340 |
| 105 | 69 | 3.223 | 2.986 | -0.237 |
| | Max | 3.824 | 3.810 | 0.961 |
| | Average | 3.329 | 3.335 | 0.007 |
| | Min | 2.800 | 2.836 | -0.765 |
| | Std Dev | 0.286 | 0.278 | 0.374 |




| | 5.35_tpd_PWRGD_SD/P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.094 | 2.879 | 2.920 | 2.906 | 3.095 | 2.942 | 3.059 | 2.846 | 2.836 | 2.907 | 2.986 |
| Average | 3.269 | 3.192 | 3.384 | 3.353 | 3.399 | 3.391 | 3.453 | 3.391 | 3.187 | 3.296 | 3.348 |
| Max | 3.367 | 3.423 | 3.743 | 3.694 | 3.614 | 3.761 | 3.810 | 3.736 | 3.422 | 3.712 | 3.609 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

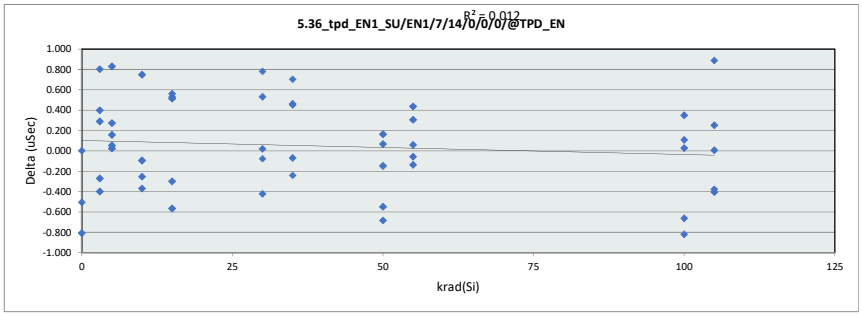


# TID HDR Report
# TPS7H3014-SP

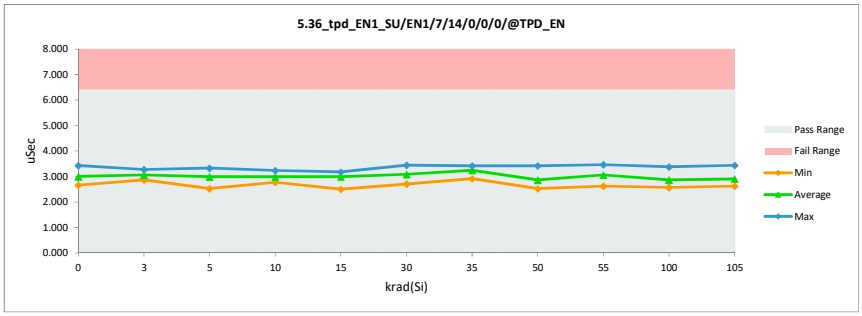
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.36_tpd_EN1_SU/EN1/7/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.466 | 2.661 | -0.805 |
| 0 | 14 | 3.426 | 2.924 | -0.502 |
| 0 | 15 | 3.427 | 3.432 | 0.005 |
| 3 | 20 | 2.468 | 2.869 | 0.401 |
| 3 | 21 | 2.835 | 3.127 | 0.292 |
| 3 | 22 | 3.195 | 2.928 | -0.267 |
| 3 | 23 | 3.495 | 3.098 | -0.397 |
| 3 | 24 | 2.472 | 3.277 | 0.805 |
| 5 | 25 | 3.055 | 3.331 | 0.276 |
| 5 | 26 | 2.732 | 2.757 | 0.025 |
| 5 | 27 | 2.495 | 3.328 | 0.833 |
| 5 | 28 | 2.834 | 2.994 | 0.160 |
| 5 | 29 | 2.470 | 2.527 | 0.057 |
| 10 | 30 | 2.489 | 3.240 | 0.751 |
| 10 | 31 | 3.299 | 2.932 | -0.367 |
| 10 | 32 | 3.008 | 2.914 | -0.094 |
| 10 | 33 | 3.381 | 3.130 | -0.251 |
| 10 | 34 | 2.866 | 2.775 | -0.091 |
| 15 | 35 | 2.517 | 3.033 | 0.516 |
| 15 | 36 | 3.064 | 2.501 | -0.563 |
| 15 | 37 | 2.615 | 3.179 | 0.564 |
| 15 | 38 | 3.410 | 3.114 | -0.296 |
| 15 | 39 | 2.631 | 3.163 | 0.532 |
| 30 | 40 | 3.130 | 2.711 | -0.419 |
| 30 | 41 | 2.520 | 3.304 | 0.784 |
| 30 | 42 | 2.912 | 3.446 | 0.534 |
| 30 | 43 | 3.120 | 3.046 | -0.074 |
| 30 | 44 | 2.925 | 2.948 | 0.023 |
| 35 | 45 | 2.849 | 3.315 | 0.466 |
| 35 | 46 | 3.154 | 2.916 | -0.238 |
| 35 | 47 | 3.487 | 3.421 | -0.066 |
| 35 | 48 | 2.839 | 3.293 | 0.454 |
| 35 | 49 | 2.567 | 3.273 | 0.706 |
| 50 | 50 | 3.086 | 2.942 | -0.144 |
| 50 | 51 | 3.350 | 3.419 | 0.069 |
| 50 | 52 | 3.073 | 2.527 | -0.546 |
| 50 | 53 | 2.701 | 2.867 | 0.166 |
| 50 | 54 | 3.266 | 2.585 | -0.681 |
| 55 | 55 | 3.273 | 3.139 | -0.134 |
| 55 | 56 | 2.565 | 2.627 | 0.062 |
| 55 | 57 | 3.157 | 3.466 | 0.309 |
| 55 | 58 | 2.719 | 3.159 | 0.440 |
| 55 | 59 | 2.979 | 2.925 | -0.054 |
| 100 | 60 | 3.232 | 2.572 | -0.660 |
| 100 | 61 | 2.710 | 3.062 | 0.352 |
| 100 | 62 | 3.270 | 3.380 | 0.110 |
| 100 | 63 | 3.504 | 2.688 | -0.816 |
| 100 | 64 | 2.601 | 2.631 | 0.030 |
| 105 | 65 | 2.551 | 3.442 | 0.891 |
| 105 | 66 | 3.308 | 2.905 | -0.403 |
| 105 | 67 | 2.651 | 2.661 | 0.010 |
| 105 | 68 | 2.998 | 2.623 | -0.375 |
| 105 | 69 | 2.657 | 2.911 | 0.254 |
| | Max | 3.504 | 3.466 | 0.891 |
| | Average | 2.959 | 3.008 | 0.050 |
| | Min | 2.468 | 2.501 | -0.816 |
| | Std Dev | 0.334 | 0.286 | 0.446 |




| | 5.36_tpd_EN1_SU/EN1/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.661 | 2.869 | 2.527 | 2.775 | 2.501 | 2.711 | 2.916 | 2.527 | 2.627 | 2.572 | 2.623 |
| Average | 3.006 | 3.060 | 2.987 | 2.998 | 2.998 | 3.091 | 3.244 | 2.868 | 3.063 | 2.867 | 2.908 |
| Max | 3.432 | 3.277 | 3.331 | 3.240 | 3.179 | 3.446 | 3.421 | 3.419 | 3.466 | 3.380 | 3.442 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

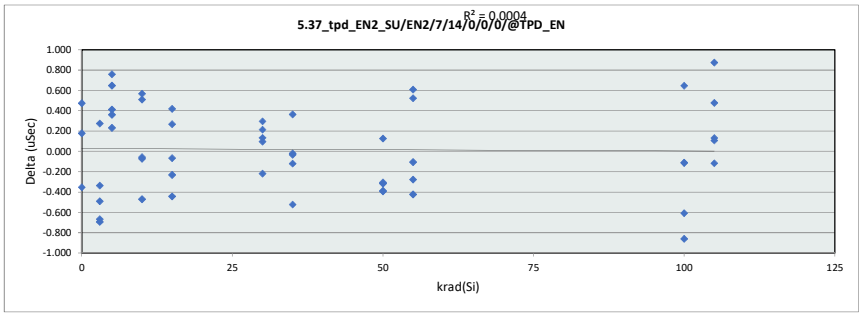


# TID HDR Report
# TPS7H3014-SP

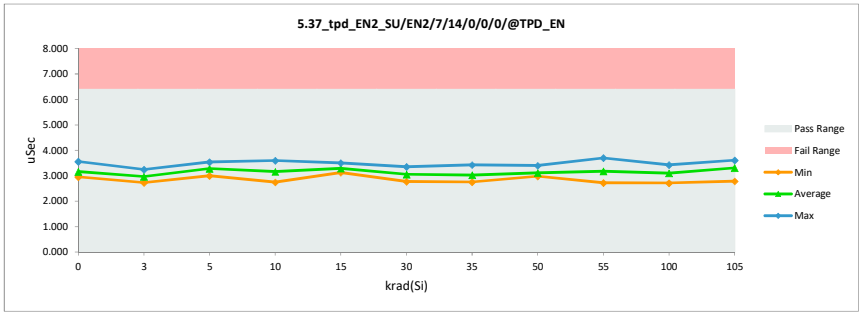
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.37_tpd_EN2_SU/EN2/7/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.084 | 3.561 | 0.477 |
| 0 | 14 | 3.312 | 2.962 | -0.350 |
| 0 | 15 | 2.790 | 2.971 | 0.181 |
| 3 | 20 | 3.550 | 3.217 | -0.333 |
| 3 | 21 | 3.592 | 2.901 | -0.691 |
| 3 | 22 | 3.245 | 2.758 | -0.487 |
| 3 | 23 | 3.396 | 2.732 | -0.664 |
| 3 | 24 | 2.969 | 3.246 | 0.277 |
| 5 | 25 | 2.782 | 3.544 | 0.762 |
| 5 | 26 | 2.791 | 3.206 | 0.415 |
| 5 | 27 | 2.709 | 3.360 | 0.651 |
| 5 | 28 | 2.948 | 3.312 | 0.364 |
| 5 | 29 | 2.774 | 3.009 | 0.235 |
| 10 | 30 | 3.088 | 3.601 | 0.513 |
| 10 | 31 | 3.520 | 3.053 | -0.467 |
| 10 | 32 | 2.822 | 2.752 | -0.070 |
| 10 | 33 | 3.142 | 3.089 | -0.053 |
| 10 | 34 | 2.773 | 3.344 | 0.571 |
| 15 | 35 | 3.239 | 3.509 | 0.270 |
| 15 | 36 | 3.571 | 3.131 | -0.440 |
| 15 | 37 | 2.793 | 3.214 | 0.421 |
| 15 | 38 | 3.262 | 3.198 | -0.064 |
| 15 | 39 | 3.638 | 3.410 | -0.228 |
| 30 | 40 | 3.223 | 3.360 | 0.137 |
| 30 | 41 | 3.131 | 2.915 | -0.216 |
| 30 | 42 | 2.728 | 3.026 | 0.298 |
| 30 | 43 | 3.005 | 3.221 | 0.216 |
| 30 | 44 | 2.681 | 2.779 | 0.098 |
| 35 | 45 | 3.319 | 2.799 | -0.520 |
| 35 | 46 | 2.868 | 2.850 | -0.018 |
| 35 | 47 | 3.441 | 3.324 | -0.117 |
| 35 | 48 | 2.786 | 2.755 | -0.031 |
| 35 | 49 | 3.065 | 3.432 | 0.367 |
| 50 | 50 | 3.502 | 3.112 | -0.390 |
| 50 | 51 | 3.301 | 2.988 | -0.313 |
| 50 | 52 | 3.440 | 3.055 | -0.385 |
| 50 | 53 | 3.277 | 3.407 | 0.130 |
| 50 | 54 | 3.313 | 3.010 | -0.303 |
| 55 | 55 | 2.931 | 3.543 | 0.612 |
| 55 | 56 | 3.036 | 2.933 | -0.103 |
| 55 | 57 | 3.426 | 3.005 | -0.421 |
| 55 | 58 | 2.998 | 2.724 | -0.274 |
| 55 | 59 | 3.177 | 3.703 | 0.526 |
| 100 | 60 | 3.577 | 2.719 | -0.858 |
| 100 | 61 | 2.678 | 3.327 | 0.649 |
| 100 | 62 | 3.119 | 3.008 | -0.111 |
| 100 | 63 | 3.651 | 3.046 | -0.605 |
| 100 | 64 | 3.537 | 3.430 | -0.107 |
| 105 | 65 | 3.503 | 3.389 | -0.114 |
| 105 | 66 | 2.662 | 3.539 | 0.877 |
| 105 | 67 | 3.086 | 3.221 | 0.135 |
| 105 | 68 | 2.681 | 2.791 | 0.110 |
| 105 | 69 | 3.137 | 3.617 | 0.480 |
| | Max | 3.651 | 3.703 | 0.877 |
| | Average | 3.133 | 3.153 | 0.020 |
| | Min | 2.662 | 2.719 | -0.858 |
| | Std Dev | 0.303 | 0.276 | 0.417 |




| | 5.37_tpd_EN2_SU/EN2/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.962 | 2.732 | 3.009 | 2.752 | 3.131 | 2.779 | 2.755 | 2.988 | 2.724 | 2.719 | 2.791 |
| Average | 3.165 | 2.971 | 3.286 | 3.168 | 3.292 | 3.060 | 3.032 | 3.114 | 3.182 | 3.106 | 3.311 |
| Max | 3.561 | 3.246 | 3.544 | 3.601 | 3.509 | 3.360 | 3.432 | 3.407 | 3.703 | 3.430 | 3.617 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

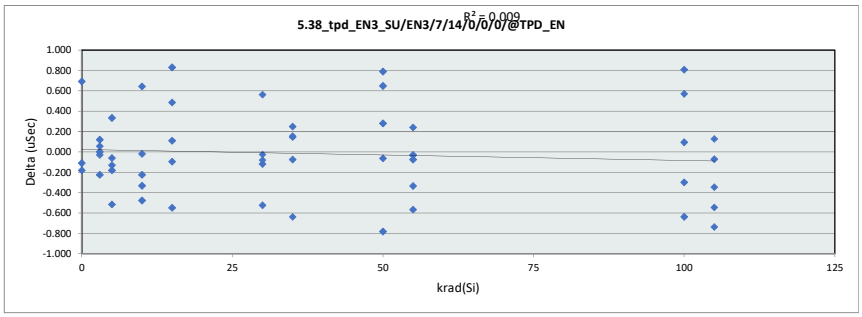


# TID HDR Report
# TPS7H3014-SP

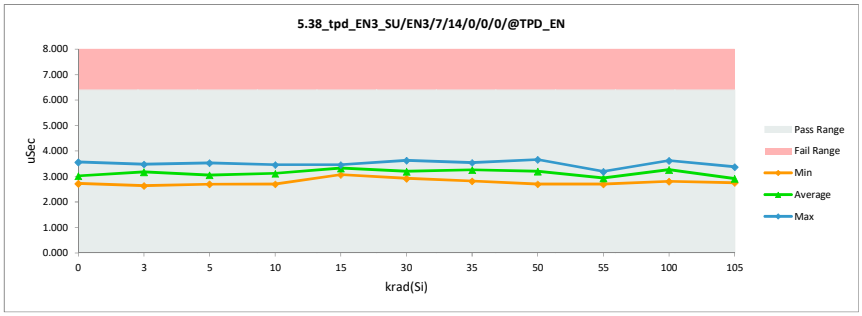
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.38_tpd_EN3_SU/EN3/7/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.971 | 2.794 | -0.177 |
| 0 | 14 | 2.829 | 2.724 | -0.105 |
| 0 | 15 | 2.874 | 3.570 | 0.696 |
| 3 | 20 | 3.346 | 3.470 | 0.124 |
| 3 | 21 | 3.479 | 3.483 | 0.004 |
| 3 | 22 | 2.669 | 2.643 | -0.026 |
| 3 | 23 | 3.149 | 3.209 | 0.060 |
| 3 | 24 | 3.351 | 3.130 | -0.221 |
| 5 | 25 | 2.951 | 2.895 | -0.056 |
| 5 | 26 | 3.197 | 3.534 | 0.337 |
| 5 | 27 | 3.552 | 3.039 | -0.513 |
| 5 | 28 | 3.313 | 3.135 | -0.178 |
| 5 | 29 | 2.831 | 2.704 | -0.127 |
| 10 | 30 | 2.926 | 2.705 | -0.221 |
| 10 | 31 | 3.602 | 3.128 | -0.474 |
| 10 | 32 | 2.815 | 3.462 | 0.647 |
| 10 | 33 | 3.329 | 3.314 | -0.015 |
| 10 | 34 | 3.344 | 3.014 | -0.330 |
| 15 | 35 | 3.152 | 3.266 | 0.114 |
| 15 | 36 | 3.518 | 3.425 | -0.093 |
| 15 | 37 | 2.611 | 3.445 | 0.834 |
| 15 | 38 | 3.621 | 3.075 | -0.546 |
| 15 | 39 | 2.977 | 3.466 | 0.489 |
| 30 | 40 | 3.044 | 2.928 | -0.116 |
| 30 | 41 | 3.143 | 3.067 | -0.076 |
| 30 | 42 | 3.071 | 3.637 | 0.566 |
| 30 | 43 | 3.585 | 3.064 | -0.521 |
| 30 | 44 | 3.333 | 3.311 | -0.022 |
| 35 | 45 | 3.286 | 3.436 | 0.150 |
| 35 | 46 | 3.246 | 3.498 | 0.252 |
| 35 | 47 | 3.650 | 3.014 | -0.636 |
| 35 | 48 | 2.897 | 2.825 | -0.072 |
| 35 | 49 | 3.391 | 3.551 | 0.160 |
| 50 | 50 | 3.507 | 2.727 | -0.780 |
| 50 | 51 | 2.872 | 3.666 | 0.794 |
| 50 | 52 | 2.847 | 3.498 | 0.651 |
| 50 | 53 | 3.183 | 3.466 | 0.283 |
| 50 | 54 | 2.770 | 2.710 | -0.060 |
| 55 | 55 | 3.577 | 3.013 | -0.564 |
| 55 | 56 | 2.861 | 2.833 | -0.028 |
| 55 | 57 | 3.040 | 2.708 | -0.332 |
| 55 | 58 | 2.955 | 3.200 | 0.245 |
| 55 | 59 | 3.018 | 2.947 | -0.071 |
| 100 | 60 | 2.817 | 3.628 | 0.811 |
| 100 | 61 | 3.444 | 2.811 | -0.633 |
| 100 | 62 | 3.317 | 3.415 | 0.098 |
| 100 | 63 | 3.243 | 2.948 | -0.295 |
| 100 | 64 | 2.981 | 3.556 | 0.575 |
| 105 | 65 | 3.237 | 2.895 | -0.342 |
| 105 | 66 | 3.305 | 2.762 | -0.543 |
| 105 | 67 | 2.648 | 2.779 | 0.131 |
| 105 | 68 | 3.448 | 3.380 | -0.068 |
| 105 | 69 | 3.531 | 2.797 | -0.734 |
| | Max | 3.650 | 3.666 | 0.834 |
| | Average | 3.163 | 3.145 | -0.018 |
| | Min | 2.611 | 2.643 | -0.780 |
| | Std Dev | 0.286 | 0.316 | 0.414 |




| | 5.38_tpd_EN3_SU/EN3/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.724 | 2.643 | 2.704 | 2.705 | 3.075 | 2.928 | 2.825 | 2.710 | 2.708 | 2.811 | 2.762 |
| Average | 3.029 | 3.187 | 3.061 | 3.125 | 3.335 | 3.201 | 3.265 | 3.213 | 2.940 | 3.272 | 2.923 |
| Max | 3.570 | 3.483 | 3.534 | 3.462 | 3.466 | 3.637 | 3.551 | 3.666 | 3.200 | 3.628 | 3.380 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

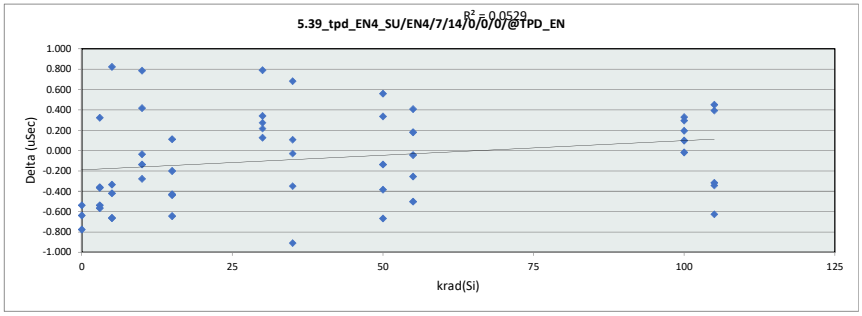


# TID HDR Report
# TPS7H3014-SP

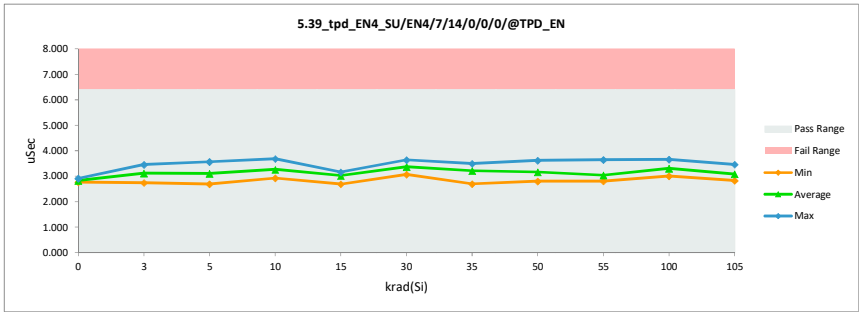
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.39_tpd_EN4_SU/EN4/7/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.586 | 2.813 | -0.773 |
| 0 | 14 | 3.446 | 2.912 | -0.534 |
| 0 | 15 | 3.407 | 2.773 | -0.634 |
| 3 | 20 | 3.667 | 3.132 | -0.535 |
| 3 | 21 | 3.105 | 2.748 | -0.357 |
| 3 | 22 | 3.522 | 2.960 | -0.562 |
| 3 | 23 | 3.665 | 3.303 | -0.362 |
| 3 | 24 | 3.133 | 3.458 | 0.325 |
| 5 | 25 | 2.740 | 3.566 | 0.826 |
| 5 | 26 | 3.350 | 2.691 | -0.659 |
| 5 | 27 | 3.666 | 3.005 | -0.661 |
| 5 | 28 | 3.484 | 3.068 | -0.416 |
| 5 | 29 | 3.512 | 3.180 | -0.332 |
| 10 | 30 | 3.364 | 3.089 | -0.275 |
| 10 | 31 | 3.065 | 2.931 | -0.134 |
| 10 | 32 | 2.895 | 3.684 | 0.789 |
| 10 | 33 | 3.087 | 3.055 | -0.032 |
| 10 | 34 | 3.157 | 3.577 | 0.420 |
| 15 | 35 | 3.020 | 3.134 | 0.114 |
| 15 | 36 | 3.234 | 3.037 | -0.197 |
| 15 | 37 | 3.331 | 2.690 | -0.641 |
| 15 | 38 | 3.519 | 3.093 | -0.426 |
| 15 | 39 | 3.596 | 3.163 | -0.433 |
| 30 | 40 | 3.243 | 3.373 | 0.130 |
| 30 | 41 | 2.846 | 3.640 | 0.794 |
| 30 | 42 | 3.108 | 3.384 | 0.276 |
| 30 | 43 | 3.173 | 3.392 | 0.219 |
| 30 | 44 | 2.729 | 3.072 | 0.343 |
| 35 | 45 | 3.602 | 2.697 | -0.905 |
| 35 | 46 | 2.813 | 3.499 | 0.686 |
| 35 | 47 | 3.205 | 3.179 | -0.026 |
| 35 | 48 | 3.582 | 3.235 | -0.347 |
| 35 | 49 | 3.344 | 3.454 | 0.110 |
| 50 | 50 | 3.284 | 3.622 | 0.338 |
| 50 | 51 | 3.595 | 3.215 | -0.380 |
| 50 | 52 | 2.983 | 2.849 | -0.134 |
| 50 | 53 | 2.757 | 3.320 | 0.563 |
| 50 | 54 | 3.469 | 2.805 | -0.664 |
| 55 | 55 | 2.954 | 2.914 | -0.040 |
| 55 | 56 | 3.306 | 2.808 | -0.498 |
| 55 | 57 | 3.136 | 2.884 | -0.252 |
| 55 | 58 | 2.752 | 2.936 | 0.184 |
| 55 | 59 | 3.237 | 3.647 | 0.410 |
| 100 | 60 | 2.913 | 3.245 | 0.332 |
| 100 | 61 | 2.811 | 3.009 | 0.198 |
| 100 | 62 | 3.363 | 3.465 | 0.102 |
| 100 | 63 | 3.671 | 3.657 | -0.014 |
| 100 | 64 | 2.852 | 3.150 | 0.298 |
| 105 | 65 | 3.068 | 3.464 | 0.396 |
| 105 | 66 | 3.168 | 2.828 | -0.340 |
| 105 | 67 | 3.479 | 2.857 | -0.622 |
| 105 | 68 | 3.179 | 2.866 | -0.313 |
| 105 | 69 | 2.948 | 3.402 | 0.454 |
| | Max | 3.671 | 3.684 | 0.826 |
| | Average | 3.229 | 3.150 | -0.079 |
| | Min | 2.729 | 2.690 | -0.905 |
| | Std Dev | 0.284 | 0.293 | 0.451 |




| | 5.39_tpd_EN4_SU/EN4/7 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.773 | 2.748 | 2.691 | 2.931 | 2.690 | 3.072 | 2.697 | 2.805 | 2.808 | 3.009 | 2.828 |
| Average | 2.833 | 3.120 | 3.102 | 3.267 | 3.023 | 3.372 | 3.213 | 3.162 | 3.038 | 3.305 | 3.083 |
| Max | 2.912 | 3.458 | 3.566 | 3.684 | 3.163 | 3.640 | 3.499 | 3.622 | 3.647 | 3.657 | 3.464 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

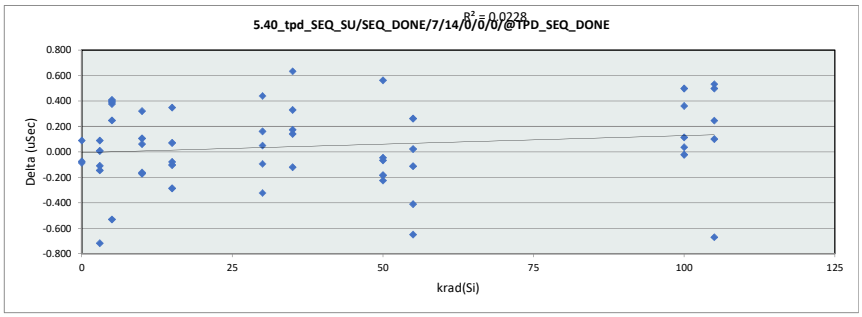


# TID HDR Report
# TPS7H3014-SP

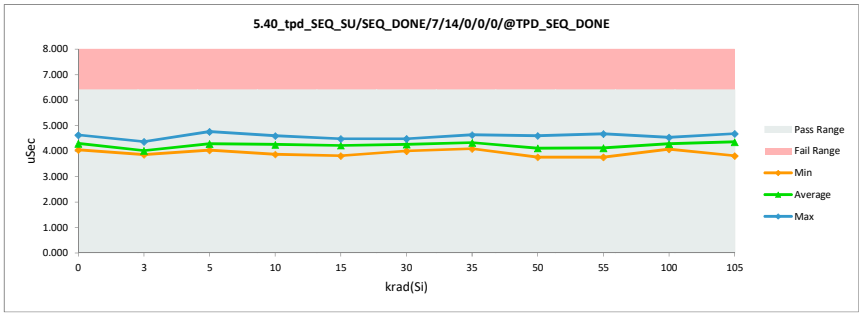
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.40_tpd_SEQ_SU/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.544 | 4.635 | 0.091 |
| 0 | 14 | 4.121 | 4.049 | -0.072 |
| 0 | 15 | 4.293 | 4.210 | -0.083 |
| 3 | 20 | 4.704 | 3.988 | -0.716 |
| 3 | 21 | 3.846 | 3.938 | 0.092 |
| 3 | 22 | 3.932 | 3.942 | 0.010 |
| 3 | 23 | 4.475 | 4.368 | -0.107 |
| 3 | 24 | 4.004 | 3.861 | -0.143 |
| 5 | 25 | 3.917 | 4.328 | 0.411 |
| 5 | 26 | 4.704 | 4.176 | -0.528 |
| 5 | 27 | 3.785 | 4.035 | 0.250 |
| 5 | 28 | 4.382 | 4.762 | 0.380 |
| 5 | 29 | 3.745 | 4.140 | 0.395 |
| 10 | 30 | 3.810 | 3.874 | 0.064 |
| 10 | 31 | 3.705 | 4.028 | 0.323 |
| 10 | 32 | 4.758 | 4.599 | -0.159 |
| 10 | 33 | 4.678 | 4.509 | -0.169 |
| 10 | 34 | 4.196 | 4.304 | 0.108 |
| 15 | 35 | 4.067 | 3.991 | -0.076 |
| 15 | 36 | 4.101 | 3.817 | -0.284 |
| 15 | 37 | 4.469 | 4.369 | -0.100 |
| 15 | 38 | 4.391 | 4.464 | 0.073 |
| 15 | 39 | 4.129 | 4.479 | 0.350 |
| 30 | 40 | 3.913 | 4.355 | 0.442 |
| 30 | 41 | 4.320 | 4.483 | 0.163 |
| 30 | 42 | 4.416 | 4.325 | -0.091 |
| 30 | 43 | 4.101 | 4.154 | 0.053 |
| 30 | 44 | 4.326 | 4.005 | -0.321 |
| 35 | 45 | 3.949 | 4.093 | 0.144 |
| 35 | 46 | 3.737 | 4.373 | 0.636 |
| 35 | 47 | 4.105 | 4.437 | 0.332 |
| 35 | 48 | 4.229 | 4.112 | -0.117 |
| 35 | 49 | 4.466 | 4.642 | 0.176 |
| 50 | 50 | 3.944 | 3.763 | -0.181 |
| 50 | 51 | 4.377 | 4.155 | -0.222 |
| 50 | 52 | 4.040 | 4.605 | 0.565 |
| 50 | 53 | 4.108 | 4.044 | -0.064 |
| 50 | 54 | 4.053 | 4.010 | -0.043 |
| 55 | 55 | 4.413 | 4.677 | 0.264 |
| 55 | 56 | 4.372 | 3.964 | -0.408 |
| 55 | 57 | 4.411 | 3.763 | -0.648 |
| 55 | 58 | 3.784 | 3.809 | 0.025 |
| 55 | 59 | 4.523 | 4.413 | -0.110 |
| 100 | 60 | 3.958 | 4.074 | 0.116 |
| 100 | 61 | 4.142 | 4.123 | -0.019 |
| 100 | 62 | 4.402 | 4.441 | 0.039 |
| 100 | 63 | 3.897 | 4.261 | 0.364 |
| 100 | 64 | 4.043 | 4.544 | 0.501 |
| 105 | 65 | 4.580 | 4.683 | 0.103 |
| 105 | 66 | 4.401 | 4.649 | 0.248 |
| 105 | 67 | 4.485 | 3.817 | -0.668 |
| 105 | 68 | 3.813 | 4.314 | 0.501 |
| 105 | 69 | 3.802 | 4.337 | 0.535 |
| | Max | 4.758 | 4.762 | 0.636 |
| | Average | 4.186 | 4.232 | 0.046 |
| | Min | 3.705 | 3.763 | -0.716 |
| | Std Dev | 0.290 | 0.277 | 0.314 |




| | 5.40_tpd_SEQ_SU/SEQ_ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 4.049 | 3.861 | 4.035 | 3.874 | 3.817 | 4.005 | 4.093 | 3.763 | 3.763 | 4.074 | 3.817 |
| Average | 4.298 | 4.019 | 4.288 | 4.263 | 4.224 | 4.264 | 4.331 | 4.115 | 4.125 | 4.289 | 4.360 |
| Max | 4.635 | 4.368 | 4.762 | 4.599 | 4.479 | 4.483 | 4.642 | 4.605 | 4.677 | 4.544 | 4.683 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

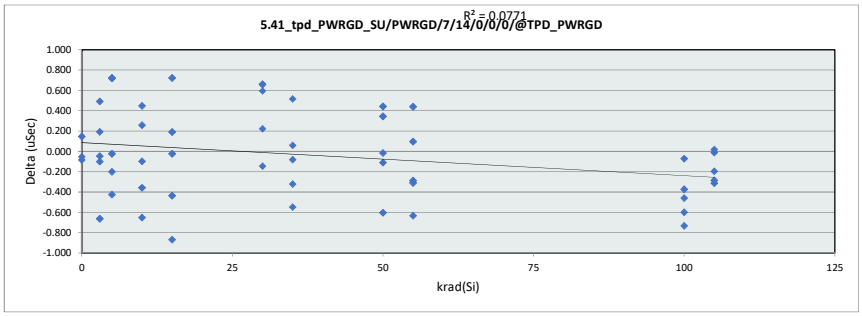


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

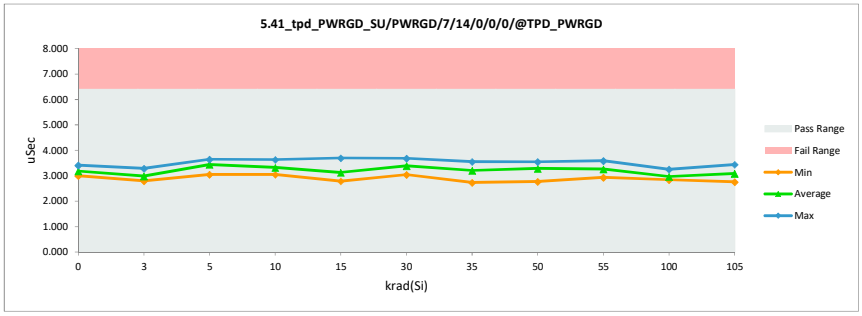
| | 5.41_tpd_PWRGD_SU/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.083 | 3.000 | -0.083 |
| 0 | 14 | 3.194 | 3.143 | -0.051 |
| 0 | 15 | 3.265 | 3.413 | 0.148 |
| 3 | 20 | 2.851 | 3.045 | 0.194 |
| 3 | 21 | 2.797 | 3.291 | 0.494 |
| 3 | 22 | 3.021 | 2.922 | -0.099 |
| 3 | 23 | 3.550 | 2.890 | -0.660 |
| 3 | 24 | 2.846 | 2.801 | -0.045 |
| 5 | 25 | 3.670 | 3.649 | -0.021 |
| 5 | 26 | 2.803 | 3.523 | 0.720 |
| 5 | 27 | 3.480 | 3.057 | -0.423 |
| 5 | 28 | 3.594 | 3.395 | -0.199 |
| 5 | 29 | 2.882 | 3.607 | 0.725 |
| 10 | 30 | 3.185 | 3.635 | 0.450 |
| 10 | 31 | 3.657 | 3.302 | -0.355 |
| 10 | 32 | 3.231 | 3.135 | -0.096 |
| 10 | 33 | 3.273 | 3.533 | 0.260 |
| 10 | 34 | 3.700 | 3.051 | -0.649 |
| 15 | 35 | 3.659 | 2.792 | -0.867 |
| 15 | 36 | 2.852 | 2.830 | -0.022 |
| 15 | 37 | 3.454 | 3.019 | -0.435 |
| 15 | 38 | 2.976 | 3.701 | 0.725 |
| 15 | 39 | 3.129 | 3.322 | 0.193 |
| 30 | 40 | 2.792 | 3.457 | 0.665 |
| 30 | 41 | 2.906 | 3.131 | 0.225 |
| 30 | 42 | 3.030 | 3.627 | 0.597 |
| 30 | 43 | 3.193 | 3.050 | -0.143 |
| 30 | 44 | 3.034 | 3.691 | 0.657 |
| 35 | 45 | 3.616 | 3.296 | -0.320 |
| 35 | 46 | 2.884 | 3.403 | 0.519 |
| 35 | 47 | 2.994 | 3.056 | 0.062 |
| 35 | 48 | 3.636 | 3.557 | -0.079 |
| 35 | 49 | 3.281 | 2.735 | -0.546 |
| 50 | 50 | 2.974 | 3.321 | 0.347 |
| 50 | 51 | 3.599 | 3.490 | -0.109 |
| 50 | 52 | 3.561 | 3.548 | -0.013 |
| 50 | 53 | 3.377 | 2.775 | -0.602 |
| 50 | 54 | 2.877 | 3.322 | 0.445 |
| 55 | 55 | 3.500 | 3.191 | -0.309 |
| 55 | 56 | 3.569 | 2.939 | -0.630 |
| 55 | 57 | 3.342 | 3.439 | 0.097 |
| 55 | 58 | 3.146 | 3.588 | 0.442 |
| 55 | 59 | 3.431 | 3.145 | -0.286 |
| 100 | 60 | 3.303 | 2.933 | -0.370 |
| 100 | 61 | 3.577 | 2.846 | -0.731 |
| 100 | 62 | 3.477 | 2.881 | -0.596 |
| 100 | 63 | 3.004 | 2.935 | -0.069 |
| 100 | 64 | 3.712 | 3.255 | -0.457 |
| 105 | 65 | 3.553 | 3.271 | -0.282 |
| 105 | 66 | 3.059 | 3.051 | -0.008 |
| 105 | 67 | 3.425 | 3.445 | 0.020 |
| 105 | 68 | 2.951 | 2.757 | -0.194 |
| 105 | 69 | 3.248 | 2.937 | -0.311 |
| | Max | 3.712 | 3.701 | 0.725 |
| | Average | 3.249 | 3.210 | -0.039 |
| | Min | 2.792 | 2.735 | -0.867 |
| | Std Dev | 0.293 | 0.286 | 0.420 |




| | 5.41_tpd_PWRGD_SU/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.000 | 2.801 | 3.057 | 3.051 | 2.792 | 3.050 | 2.735 | 2.775 | 2.939 | 2.846 | 2.757 |
| Average | 3.185 | 2.990 | 3.446 | 3.331 | 3.133 | 3.391 | 3.209 | 3.291 | 3.260 | 2.970 | 3.092 |
| Max | 3.413 | 3.291 | 3.649 | 3.635 | 3.701 | 3.691 | 3.557 | 3.548 | 3.588 | 3.255 | 3.445 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

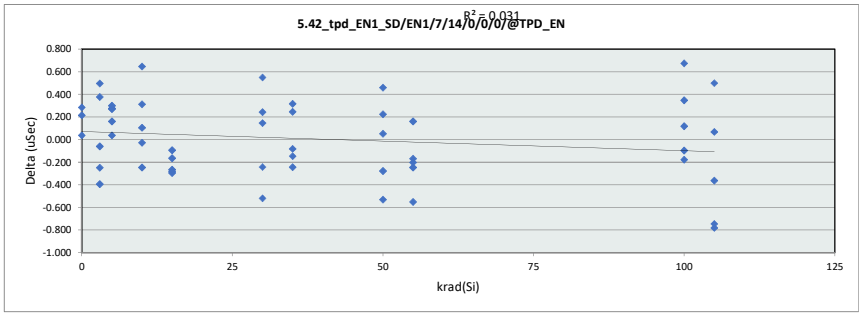


# TID HDR Report
# TPS7H3014-SP

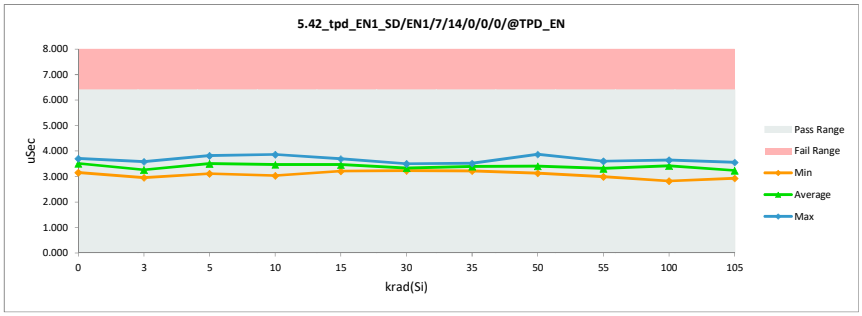
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.42_tpd_EN1_SD/EN1/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.495 | 3.712 | 0.217 |
| 0 | 14 | 3.121 | 3.160 | 0.039 |
| 0 | 15 | 3.384 | 3.670 | 0.286 |
| 3 | 20 | 2.923 | 3.421 | 0.498 |
| 3 | 21 | 3.201 | 2.955 | -0.246 |
| 3 | 22 | 3.363 | 2.971 | -0.392 |
| 3 | 23 | 3.644 | 3.586 | -0.058 |
| 3 | 24 | 2.998 | 3.378 | 0.380 |
| 5 | 25 | 3.075 | 3.114 | 0.039 |
| 5 | 26 | 3.504 | 3.780 | 0.276 |
| 5 | 27 | 3.517 | 3.818 | 0.301 |
| 5 | 28 | 3.066 | 3.229 | 0.163 |
| 5 | 29 | 3.317 | 3.591 | 0.274 |
| 10 | 30 | 3.556 | 3.663 | 0.107 |
| 10 | 31 | 3.246 | 3.221 | -0.025 |
| 10 | 32 | 3.552 | 3.867 | 0.315 |
| 10 | 33 | 3.283 | 3.039 | -0.244 |
| 10 | 34 | 2.947 | 3.596 | 0.649 |
| 15 | 35 | 3.704 | 3.542 | -0.162 |
| 15 | 36 | 3.503 | 3.210 | -0.293 |
| 15 | 37 | 3.785 | 3.693 | -0.092 |
| 15 | 38 | 3.692 | 3.429 | -0.263 |
| 15 | 39 | 3.752 | 3.472 | -0.280 |
| 30 | 40 | 3.113 | 3.358 | 0.245 |
| 30 | 41 | 3.750 | 3.233 | -0.517 |
| 30 | 42 | 3.495 | 3.255 | -0.240 |
| 30 | 43 | 2.950 | 3.501 | 0.551 |
| 30 | 44 | 3.193 | 3.342 | 0.149 |
| 35 | 45 | 3.633 | 3.392 | -0.241 |
| 35 | 46 | 3.117 | 3.436 | 0.319 |
| 35 | 47 | 3.496 | 3.416 | -0.080 |
| 35 | 48 | 2.972 | 3.221 | 0.249 |
| 35 | 49 | 3.664 | 3.520 | -0.144 |
| 50 | 50 | 2.906 | 3.133 | 0.227 |
| 50 | 51 | 3.496 | 3.550 | 0.054 |
| 50 | 52 | 3.408 | 3.870 | 0.462 |
| 50 | 53 | 3.707 | 3.179 | -0.528 |
| 50 | 54 | 3.582 | 3.306 | -0.276 |
| 55 | 55 | 3.547 | 2.998 | -0.549 |
| 55 | 56 | 3.804 | 3.604 | -0.200 |
| 55 | 57 | 3.381 | 3.215 | -0.166 |
| 55 | 58 | 3.675 | 3.431 | -0.244 |
| 55 | 59 | 3.180 | 3.343 | 0.163 |
| 100 | 60 | 3.394 | 3.515 | 0.121 |
| 100 | 61 | 3.818 | 3.642 | -0.176 |
| 100 | 62 | 2.920 | 2.826 | -0.094 |
| 100 | 63 | 2.976 | 3.652 | 0.676 |
| 100 | 64 | 3.131 | 3.481 | 0.350 |
| 105 | 65 | 3.857 | 3.114 | -0.743 |
| 105 | 66 | 3.304 | 3.375 | 0.071 |
| 105 | 67 | 3.058 | 3.559 | 0.501 |
| 105 | 68 | 3.710 | 2.931 | -0.779 |
| 105 | 69 | 3.589 | 3.228 | -0.361 |
| | Max | 3.857 | 3.870 | 0.676 |
| | Average | 3.386 | 3.391 | 0.005 |
| | Min | 2.906 | 2.826 | -0.779 |
| | Std Dev | 0.285 | 0.252 | 0.342 |




| | 5.42_tpd_EN1_SD/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.160 | 2.955 | 3.114 | 3.039 | 3.210 | 3.233 | 3.221 | 3.133 | 2.998 | 2.826 | 2.931 |
| Average | 3.514 | 3.262 | 3.506 | 3.477 | 3.469 | 3.338 | 3.397 | 3.408 | 3.318 | 3.423 | 3.241 |
| Max | 3.712 | 3.586 | 3.818 | 3.867 | 3.693 | 3.501 | 3.520 | 3.870 | 3.604 | 3.652 | 3.559 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

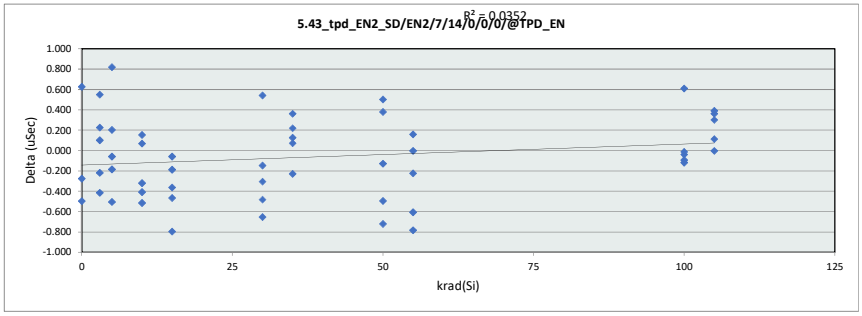


# TID HDR Report
# TPS7H3014-SP

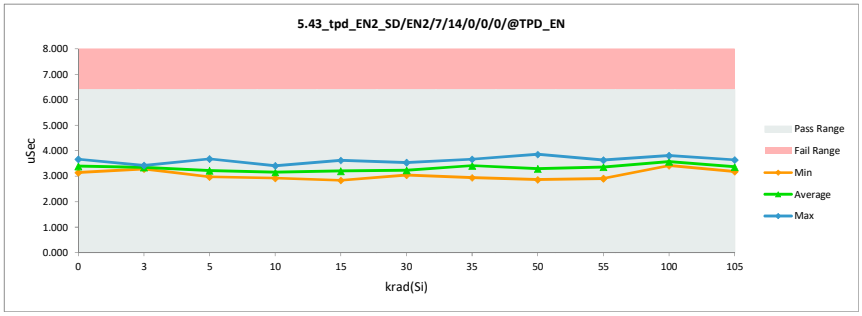
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.43_tpd_EN2_SD/EN2/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.042 | 3.670 | 0.628 |
| 0 | 14 | 3.640 | 3.145 | -0.495 |
| 0 | 15 | 3.643 | 3.369 | -0.274 |
| 3 | 20 | 3.732 | 3.320 | -0.412 |
| 3 | 21 | 2.872 | 3.424 | 0.552 |
| 3 | 22 | 3.633 | 3.417 | -0.216 |
| 3 | 23 | 3.180 | 3.284 | 0.104 |
| 3 | 24 | 3.084 | 3.313 | 0.229 |
| 5 | 25 | 3.504 | 3.001 | -0.503 |
| 5 | 26 | 2.860 | 3.681 | 0.821 |
| 5 | 27 | 3.064 | 3.270 | 0.206 |
| 5 | 28 | 3.238 | 3.181 | -0.057 |
| 5 | 29 | 3.157 | 2.975 | -0.182 |
| 10 | 30 | 3.709 | 3.303 | -0.406 |
| 10 | 31 | 3.552 | 3.039 | -0.513 |
| 10 | 32 | 3.241 | 2.923 | -0.318 |
| 10 | 33 | 3.056 | 3.128 | 0.072 |
| 10 | 34 | 3.257 | 3.413 | 0.156 |
| 15 | 35 | 3.302 | 2.839 | -0.463 |
| 15 | 36 | 3.571 | 3.211 | -0.360 |
| 15 | 37 | 3.681 | 3.625 | -0.056 |
| 15 | 38 | 3.859 | 3.065 | -0.794 |
| 15 | 39 | 3.464 | 3.278 | -0.186 |
| 30 | 40 | 3.721 | 3.070 | -0.651 |
| 30 | 41 | 3.737 | 3.257 | -0.480 |
| 30 | 42 | 3.585 | 3.282 | -0.303 |
| 30 | 43 | 3.192 | 3.047 | -0.145 |
| 30 | 44 | 2.996 | 3.540 | 0.544 |
| 35 | 45 | 3.169 | 2.943 | -0.226 |
| 35 | 46 | 3.225 | 3.589 | 0.364 |
| 35 | 47 | 3.595 | 3.670 | 0.075 |
| 35 | 48 | 3.410 | 3.539 | 0.129 |
| 35 | 49 | 3.109 | 3.331 | 0.222 |
| 50 | 50 | 2.968 | 3.472 | 0.504 |
| 50 | 51 | 3.747 | 3.028 | -0.719 |
| 50 | 52 | 3.478 | 3.860 | 0.382 |
| 50 | 53 | 3.740 | 3.247 | -0.493 |
| 50 | 54 | 2.994 | 2.868 | -0.126 |
| 55 | 55 | 3.561 | 3.561 | 0.000 |
| 55 | 56 | 3.517 | 2.913 | -0.604 |
| 55 | 57 | 3.760 | 3.538 | -0.222 |
| 55 | 58 | 3.476 | 3.637 | 0.161 |
| 55 | 59 | 3.942 | 3.162 | -0.780 |
| 100 | 60 | 3.646 | 3.529 | -0.117 |
| 100 | 61 | 3.669 | 3.632 | -0.037 |
| 100 | 62 | 3.510 | 3.419 | -0.091 |
| 100 | 63 | 3.199 | 3.812 | 0.613 |
| 100 | 64 | 3.503 | 3.492 | -0.011 |
| 105 | 65 | 2.882 | 3.185 | 0.303 |
| 105 | 66 | 3.216 | 3.215 | -0.001 |
| 105 | 67 | 3.306 | 3.422 | 0.116 |
| 105 | 68 | 3.247 | 3.641 | 0.394 |
| 105 | 69 | 3.001 | 3.365 | 0.364 |
| | Max | 3.942 | 3.860 | 0.821 |
| | Average | 3.386 | 3.323 | -0.062 |
| | Min | 2.860 | 2.839 | -0.794 |
| | Std Dev | 0.289 | 0.255 | 0.392 |




| | 5.43_tpd_EN2_SD/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 6.4 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.145 | 3.284 | 2.975 | 2.923 | 2.839 | 3.047 | 2.943 | 2.868 | 2.913 | 3.419 | 3.185 |
| Average | 3.395 | 3.352 | 3.222 | 3.161 | 3.204 | 3.239 | 3.414 | 3.295 | 3.362 | 3.577 | 3.366 |
| Max | 3.670 | 3.424 | 3.681 | 3.413 | 3.625 | 3.540 | 3.670 | 3.860 | 3.637 | 3.812 | 3.641 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

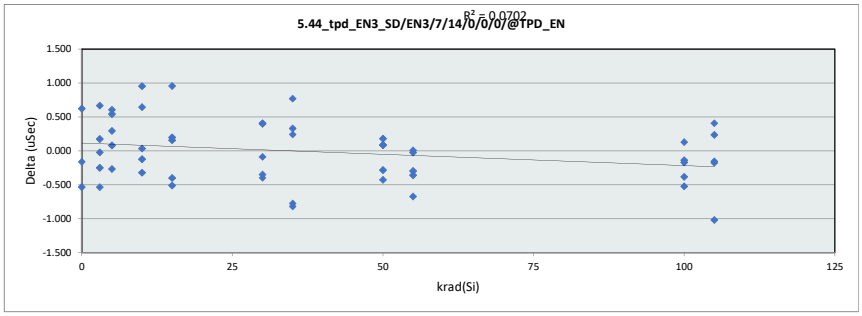


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

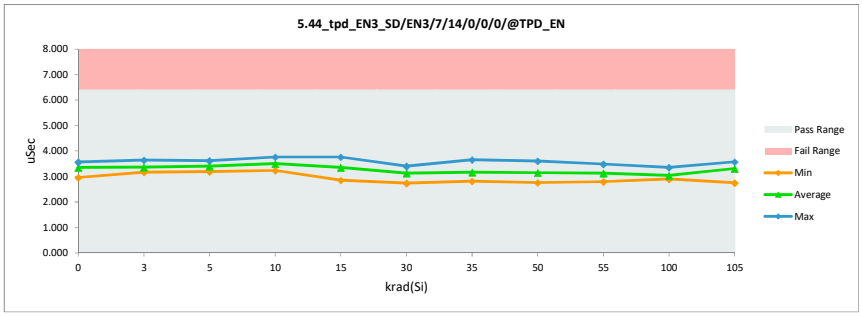
| | 5.44_tpd_EN3_SD/EN3/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.915 | 3.545 | 0.630 |
| 0 | 14 | 3.726 | 3.571 | -0.155 |
| 0 | 15 | 3.488 | 2.963 | -0.525 |
| 3 | 20 | 3.447 | 3.627 | 0.180 |
| 3 | 21 | 3.230 | 3.214 | -0.016 |
| 3 | 22 | 2.977 | 3.649 | 0.672 |
| 3 | 23 | 3.430 | 3.185 | -0.245 |
| 3 | 24 | 3.698 | 3.169 | -0.529 |
| 5 | 25 | 3.232 | 3.320 | 0.088 |
| 5 | 26 | 3.459 | 3.197 | -0.262 |
| 5 | 27 | 3.076 | 3.624 | 0.548 |
| 5 | 28 | 2.956 | 3.256 | 0.300 |
| 5 | 29 | 3.009 | 3.621 | 0.612 |
| 10 | 30 | 3.557 | 3.241 | -0.316 |
| 10 | 31 | 2.784 | 3.436 | 0.652 |
| 10 | 32 | 3.611 | 3.494 | -0.117 |
| 10 | 33 | 3.567 | 3.608 | 0.041 |
| 10 | 34 | 2.807 | 3.767 | 0.960 |
| 15 | 35 | 3.350 | 3.554 | 0.204 |
| 15 | 36 | 3.449 | 3.612 | 0.163 |
| 15 | 37 | 3.405 | 3.012 | -0.393 |
| 15 | 38 | 3.360 | 2.856 | -0.504 |
| 15 | 39 | 2.804 | 3.767 | 0.963 |
| 30 | 40 | 3.330 | 2.938 | -0.392 |
| 30 | 41 | 3.487 | 3.404 | -0.083 |
| 30 | 42 | 2.833 | 3.249 | 0.416 |
| 30 | 43 | 2.934 | 3.337 | 0.403 |
| 30 | 44 | 3.085 | 2.742 | -0.343 |
| 35 | 45 | 2.887 | 3.662 | 0.775 |
| 35 | 46 | 3.663 | 2.850 | -0.813 |
| 35 | 47 | 2.845 | 3.182 | 0.337 |
| 35 | 48 | 3.097 | 3.347 | 0.250 |
| 35 | 49 | 3.589 | 2.820 | -0.769 |
| 50 | 50 | 2.994 | 3.088 | 0.094 |
| 50 | 51 | 3.026 | 3.210 | 0.184 |
| 50 | 52 | 3.500 | 3.080 | -0.420 |
| 50 | 53 | 3.037 | 2.762 | -0.275 |
| 50 | 54 | 3.518 | 3.610 | 0.092 |
| 55 | 55 | 3.454 | 3.468 | 0.014 |
| 55 | 56 | 3.467 | 2.802 | -0.665 |
| 55 | 57 | 3.203 | 2.850 | -0.353 |
| 55 | 58 | 3.335 | 3.044 | -0.291 |
| 55 | 59 | 3.512 | 3.493 | -0.019 |
| 100 | 60 | 3.484 | 2.968 | -0.516 |
| 100 | 61 | 2.875 | 3.010 | 0.135 |
| 100 | 62 | 3.337 | 2.961 | -0.376 |
| 100 | 63 | 3.493 | 3.362 | -0.131 |
| 100 | 64 | 3.066 | 2.903 | -0.163 |
| 105 | 65 | 3.131 | 3.544 | 0.413 |
| 105 | 66 | 3.674 | 3.503 | -0.171 |
| 105 | 67 | 2.968 | 3.210 | 0.242 |
| 105 | 68 | 3.764 | 2.753 | -1.011 |
| 105 | 69 | 3.723 | 3.574 | -0.149 |
| | Max | 3.764 | 3.767 | 0.963 |
| | Average | 3.276 | 3.264 | -0.012 |
| | Min | 2.784 | 2.742 | -1.011 |
| | Std Dev | 0.292 | 0.303 | 0.451 |




| | 5.44_tpd_EN3_SD/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.963 | 3.169 | 3.197 | 3.241 | 2.856 | 2.742 | 2.820 | 2.762 | 2.802 | 2.903 | 2.753 |
| Average | 3.360 | 3.369 | 3.404 | 3.509 | 3.360 | 3.134 | 3.172 | 3.150 | 3.131 | 3.041 | 3.317 |
| Max | 3.571 | 3.649 | 3.624 | 3.767 | 3.767 | 3.404 | 3.662 | 3.610 | 3.493 | 3.362 | 3.574 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

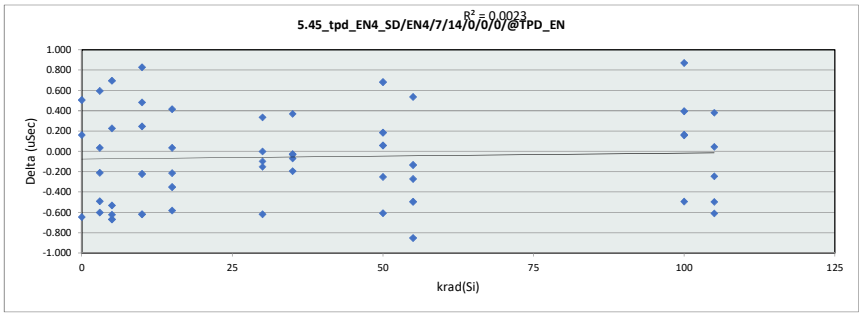


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

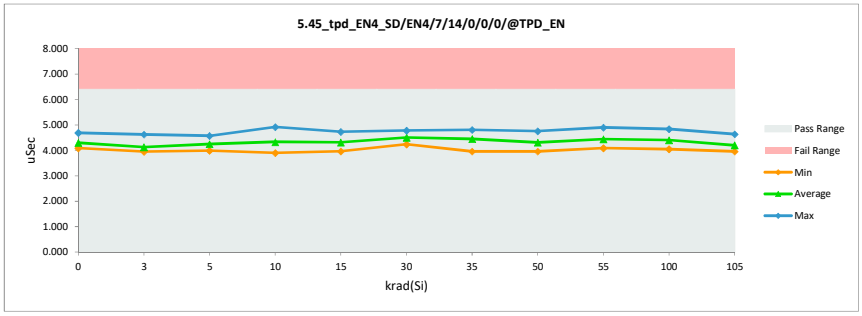
| | 5.45_tpd_EN4_SD/EN4/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 4.765 | 4.122 | -0.643 |
| 0 | 14 | 4.187 | 4.694 | 0.507 |
| 0 | 15 | 3.923 | 4.087 | 0.164 |
| 3 | 20 | 4.560 | 3.961 | -0.599 |
| 3 | 21 | 4.597 | 4.110 | -0.487 |
| 3 | 22 | 3.947 | 3.984 | 0.037 |
| 3 | 23 | 4.030 | 4.627 | 0.597 |
| 3 | 24 | 4.157 | 3.950 | -0.207 |
| 5 | 25 | 4.730 | 4.063 | -0.667 |
| 5 | 26 | 3.874 | 4.571 | 0.697 |
| 5 | 27 | 4.074 | 4.303 | 0.229 |
| 5 | 28 | 4.848 | 4.320 | -0.528 |
| 5 | 29 | 4.612 | 3.992 | -0.620 |
| 10 | 30 | 4.518 | 3.902 | -0.616 |
| 10 | 31 | 3.906 | 4.391 | 0.485 |
| 10 | 32 | 4.091 | 4.922 | 0.831 |
| 10 | 33 | 4.284 | 4.533 | 0.249 |
| 10 | 34 | 4.138 | 3.919 | -0.219 |
| 15 | 35 | 4.694 | 4.732 | 0.038 |
| 15 | 36 | 4.278 | 4.067 | -0.211 |
| 15 | 37 | 4.175 | 4.592 | 0.417 |
| 15 | 38 | 4.313 | 3.965 | -0.348 |
| 15 | 39 | 4.813 | 4.234 | -0.579 |
| 30 | 40 | 4.931 | 4.316 | -0.615 |
| 30 | 41 | 4.720 | 4.571 | -0.149 |
| 30 | 42 | 4.445 | 4.782 | 0.337 |
| 30 | 43 | 4.337 | 4.243 | -0.094 |
| 30 | 44 | 4.621 | 4.622 | 0.001 |
| 35 | 45 | 4.444 | 4.377 | -0.067 |
| 35 | 46 | 4.830 | 4.807 | -0.023 |
| 35 | 47 | 4.720 | 4.692 | -0.028 |
| 35 | 48 | 4.048 | 4.419 | 0.371 |
| 35 | 49 | 4.153 | 3.962 | -0.191 |
| 50 | 50 | 4.073 | 4.758 | 0.685 |
| 50 | 51 | 4.239 | 4.426 | 0.187 |
| 50 | 52 | 4.600 | 3.994 | -0.606 |
| 50 | 53 | 4.678 | 4.429 | -0.249 |
| 50 | 54 | 3.896 | 3.957 | 0.061 |
| 55 | 55 | 4.362 | 4.901 | 0.539 |
| 55 | 56 | 4.706 | 4.214 | -0.492 |
| 55 | 57 | 4.750 | 4.481 | -0.269 |
| 55 | 58 | 4.675 | 4.544 | -0.131 |
| 55 | 59 | 4.940 | 4.090 | -0.850 |
| 100 | 60 | 3.953 | 4.120 | 0.167 |
| 100 | 61 | 3.969 | 4.841 | 0.872 |
| 100 | 62 | 4.128 | 4.526 | 0.398 |
| 100 | 63 | 4.543 | 4.052 | -0.491 |
| 100 | 64 | 4.321 | 4.481 | 0.160 |
| 105 | 65 | 3.958 | 4.005 | 0.047 |
| 105 | 66 | 4.047 | 4.430 | 0.383 |
| 105 | 67 | 4.884 | 4.642 | -0.242 |
| 105 | 68 | 4.480 | 3.985 | -0.495 |
| 105 | 69 | 4.568 | 3.960 | -0.608 |
| | Max | 4.940 | 4.922 | 0.872 |
| | Average | 4.387 | 4.333 | -0.054 |
| | Min | 3.874 | 3.902 | -0.850 |
| | Std Dev | 0.324 | 0.307 | 0.445 |




| | 5.45_tpd_EN4_SD/EN4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 4.087 | 3.950 | 3.992 | 3.902 | 3.965 | 4.243 | 3.962 | 3.957 | 4.090 | 4.052 | 3.960 |
| Average | 4.301 | 4.126 | 4.250 | 4.333 | 4.318 | 4.507 | 4.451 | 4.313 | 4.446 | 4.404 | 4.204 |
| Max | 4.694 | 4.627 | 4.571 | 4.922 | 4.732 | 4.782 | 4.807 | 4.758 | 4.901 | 4.841 | 4.642 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

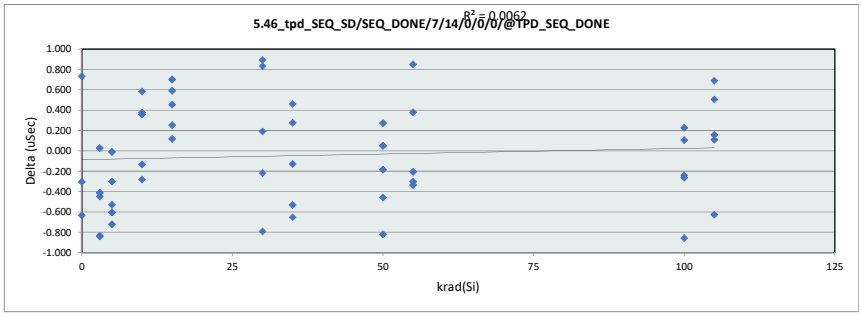


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

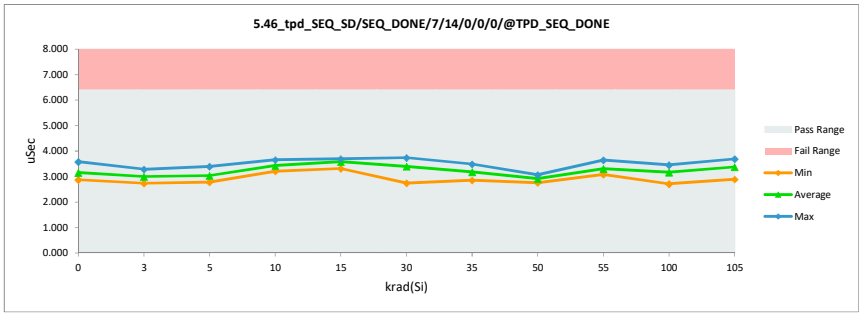
| | 5.46_tpd_SEQ_SD/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.505 | 2.876 | -0.629 |
| 0 | 14 | 3.322 | 3.021 | -0.301 |
| 0 | 15 | 2.843 | 3.581 | 0.738 |
| 3 | 20 | 2.895 | 2.926 | 0.031 |
| 3 | 21 | 3.699 | 3.255 | -0.444 |
| 3 | 22 | 3.575 | 2.738 | -0.837 |
| 3 | 23 | 3.692 | 3.284 | -0.408 |
| 3 | 24 | 3.641 | 2.811 | -0.830 |
| 5 | 25 | 3.696 | 3.399 | -0.297 |
| 5 | 26 | 2.986 | 2.980 | -0.006 |
| 5 | 27 | 3.313 | 2.787 | -0.526 |
| 5 | 28 | 3.629 | 3.029 | -0.600 |
| 5 | 29 | 3.702 | 2.984 | -0.718 |
| 10 | 30 | 3.404 | 3.275 | -0.129 |
| 10 | 31 | 3.130 | 3.491 | 0.361 |
| 10 | 32 | 2.947 | 3.534 | 0.587 |
| 10 | 33 | 3.277 | 3.657 | 0.380 |
| 10 | 34 | 3.484 | 3.207 | -0.277 |
| 15 | 35 | 3.057 | 3.314 | 0.257 |
| 15 | 36 | 2.994 | 3.699 | 0.705 |
| 15 | 37 | 3.494 | 3.615 | 0.121 |
| 15 | 38 | 3.205 | 3.663 | 0.458 |
| 15 | 39 | 3.027 | 3.620 | 0.593 |
| 30 | 40 | 2.906 | 3.741 | 0.835 |
| 30 | 41 | 3.439 | 3.634 | 0.195 |
| 30 | 42 | 3.534 | 2.746 | -0.788 |
| 30 | 43 | 2.739 | 3.637 | 0.898 |
| 30 | 44 | 3.455 | 3.240 | -0.215 |
| 35 | 45 | 3.456 | 3.330 | -0.126 |
| 35 | 46 | 3.558 | 2.909 | -0.649 |
| 35 | 47 | 3.023 | 3.487 | 0.464 |
| 35 | 48 | 3.051 | 3.330 | 0.279 |
| 35 | 49 | 3.384 | 2.856 | -0.528 |
| 50 | 50 | 2.887 | 2.941 | 0.054 |
| 50 | 51 | 2.791 | 3.068 | 0.277 |
| 50 | 52 | 3.574 | 2.759 | -0.815 |
| 50 | 53 | 3.046 | 2.864 | -0.182 |
| 50 | 54 | 3.406 | 2.951 | -0.455 |
| 55 | 55 | 2.795 | 3.648 | 0.853 |
| 55 | 56 | 3.577 | 3.278 | -0.299 |
| 55 | 57 | 3.418 | 3.087 | -0.331 |
| 55 | 58 | 3.046 | 3.428 | 0.382 |
| 55 | 59 | 3.302 | 3.099 | -0.203 |
| 100 | 60 | 3.568 | 2.714 | -0.854 |
| 100 | 61 | 3.709 | 3.449 | -0.260 |
| 100 | 62 | 2.874 | 2.984 | 0.110 |
| 100 | 63 | 3.227 | 3.457 | 0.230 |
| 100 | 64 | 3.495 | 3.258 | -0.237 |
| 105 | 65 | 3.127 | 3.288 | 0.161 |
| 105 | 66 | 3.083 | 3.591 | 0.508 |
| 105 | 67 | 3.578 | 3.691 | 0.113 |
| 105 | 68 | 3.515 | 2.892 | -0.623 |
| 105 | 69 | 2.732 | 3.426 | 0.694 |
| | Max | 3.709 | 3.741 | 0.898 |
| | Average | 3.279 | 3.236 | -0.043 |
| | Min | 2.732 | 2.714 | -0.854 |
| | Std Dev | 0.300 | 0.314 | 0.503 |




| | 5.46_tpd_SEQ_SD/SEQ_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 2.876 | 2.738 | 2.787 | 3.207 | 3.314 | 2.746 | 2.856 | 2.759 | 3.087 | 2.714 | 2.892 |
| Average | 3.159 | 3.003 | 3.036 | 3.433 | 3.582 | 3.400 | 3.182 | 2.917 | 3.308 | 3.172 | 3.378 |
| Max | 3.581 | 3.284 | 3.399 | 3.657 | 3.699 | 3.741 | 3.487 | 3.068 | 3.648 | 3.457 | 3.691 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

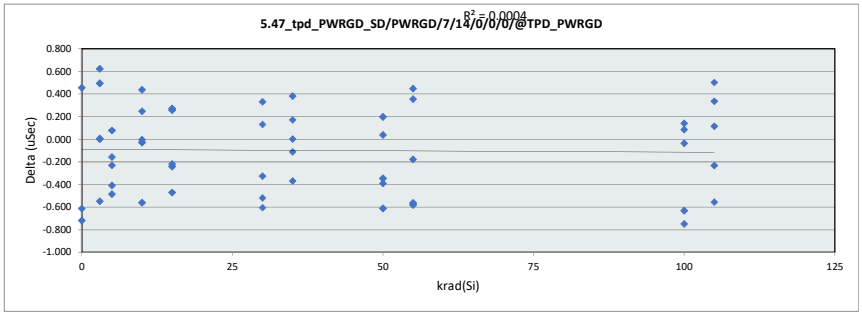


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

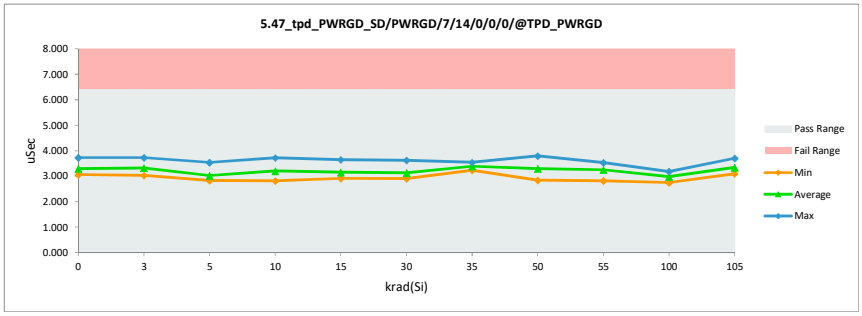
| | 5.47_tpd_PWRGD_SD/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 6.5 | 6.4 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.782 | 3.066 | -0.716 |
| 0 | 14 | 3.274 | 3.732 | 0.458 |
| 0 | 15 | 3.714 | 3.103 | -0.611 |
| 3 | 20 | 3.171 | 3.668 | 0.497 |
| 3 | 21 | 3.165 | 3.169 | 0.004 |
| 3 | 22 | 3.104 | 3.730 | 0.626 |
| 3 | 23 | 3.580 | 3.034 | -0.546 |
| 3 | 24 | 3.028 | 3.037 | 0.009 |
| 5 | 25 | 3.316 | 2.834 | -0.482 |
| 5 | 26 | 3.170 | 3.016 | -0.154 |
| 5 | 27 | 3.251 | 2.845 | -0.406 |
| 5 | 28 | 2.823 | 2.904 | 0.081 |
| 5 | 29 | 3.769 | 3.541 | -0.228 |
| 10 | 30 | 2.847 | 3.287 | 0.440 |
| 10 | 31 | 2.843 | 2.817 | -0.026 |
| 10 | 32 | 3.725 | 3.723 | -0.002 |
| 10 | 33 | 2.956 | 3.206 | 0.250 |
| 10 | 34 | 3.571 | 3.014 | -0.557 |
| 15 | 35 | 2.811 | 3.085 | 0.274 |
| 15 | 36 | 3.662 | 3.194 | -0.468 |
| 15 | 37 | 3.389 | 3.649 | 0.260 |
| 15 | 38 | 3.130 | 2.914 | -0.216 |
| 15 | 39 | 3.179 | 2.940 | -0.239 |
| 30 | 40 | 3.491 | 3.625 | 0.134 |
| 30 | 41 | 3.267 | 2.943 | -0.324 |
| 30 | 42 | 3.513 | 2.911 | -0.602 |
| 30 | 43 | 2.939 | 3.273 | 0.334 |
| 30 | 44 | 3.421 | 2.905 | -0.516 |
| 35 | 45 | 3.417 | 3.422 | 0.005 |
| 35 | 46 | 3.599 | 3.232 | -0.367 |
| 35 | 47 | 3.242 | 3.415 | 0.173 |
| 35 | 48 | 3.164 | 3.548 | 0.384 |
| 35 | 49 | 3.448 | 3.339 | -0.109 |
| 50 | 50 | 3.481 | 2.872 | -0.609 |
| 50 | 51 | 3.764 | 3.377 | -0.387 |
| 50 | 52 | 3.755 | 3.796 | 0.041 |
| 50 | 53 | 3.184 | 2.841 | -0.343 |
| 50 | 54 | 3.424 | 3.624 | 0.200 |
| 55 | 55 | 3.707 | 3.532 | -0.175 |
| 55 | 56 | 3.386 | 2.825 | -0.561 |
| 55 | 57 | 3.044 | 3.495 | 0.451 |
| 55 | 58 | 3.564 | 2.986 | -0.578 |
| 55 | 59 | 3.063 | 3.421 | 0.358 |
| 100 | 60 | 3.097 | 3.185 | 0.088 |
| 100 | 61 | 3.023 | 3.166 | 0.143 |
| 100 | 62 | 2.785 | 2.752 | -0.033 |
| 100 | 63 | 3.558 | 2.812 | -0.746 |
| 100 | 64 | 3.620 | 2.992 | -0.628 |
| 105 | 65 | 3.379 | 3.150 | -0.229 |
| 105 | 66 | 2.978 | 3.096 | 0.118 |
| 105 | 67 | 3.212 | 3.550 | 0.338 |
| 105 | 68 | 3.770 | 3.216 | -0.554 |
| 105 | 69 | 3.200 | 3.705 | 0.505 |
| | Max | 3.782 | 3.796 | 0.626 |
| | Average | 3.316 | 3.217 | -0.099 |
| | Min | 2.785 | 2.752 | -0.746 |
| | Std Dev | 0.291 | 0.306 | 0.383 |




| | 5.47_tpd_PWRGD_SD/P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 6.4 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 3.066 | 3.034 | 2.834 | 2.817 | 2.914 | 2.905 | 3.232 | 2.841 | 2.825 | 2.752 | 3.096 |
| Average | 3.300 | 3.328 | 3.028 | 3.209 | 3.156 | 3.131 | 3.391 | 3.302 | 3.252 | 2.981 | 3.343 |
| Max | 3.732 | 3.730 | 3.541 | 3.723 | 3.649 | 3.625 | 3.548 | 3.796 | 3.532 | 3.185 | 3.705 |
| UL | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 | 6.400 |

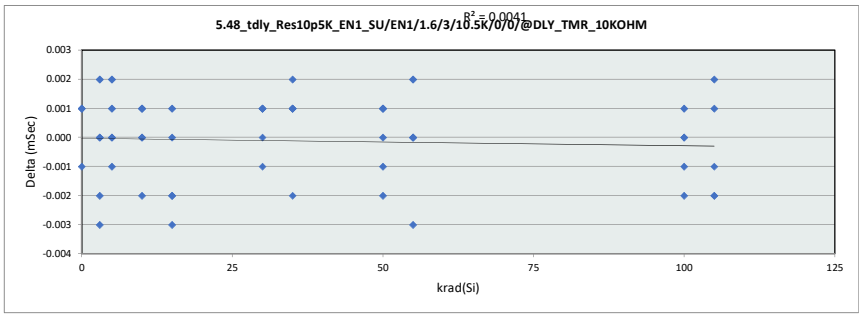


# TID HDR Report
# TPS7H3014-SP

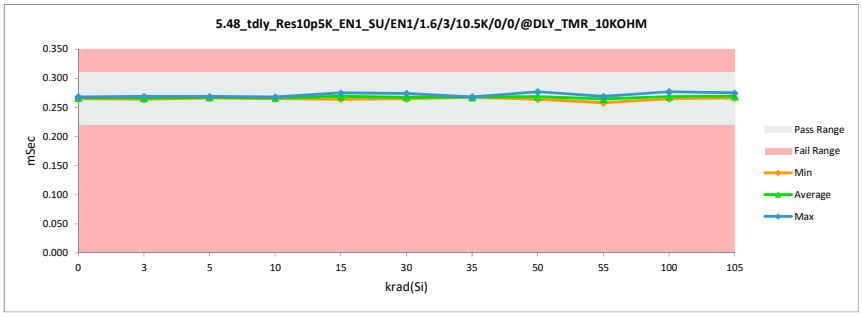
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.48_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.265 | -0.001 |
| 0 | 14 | 0.266 | 0.267 | 0.001 |
| 0 | 15 | 0.267 | 0.268 | 0.001 |
| 3 | 20 | 0.266 | 0.264 | -0.002 |
| 3 | 21 | 0.270 | 0.267 | -0.003 |
| 3 | 22 | 0.267 | 0.269 | 0.002 |
| 3 | 23 | 0.266 | 0.266 | 0.000 |
| 3 | 24 | 0.264 | 0.264 | 0.000 |
| 5 | 25 | 0.269 | 0.269 | 0.000 |
| 5 | 26 | 0.266 | 0.268 | 0.002 |
| 5 | 27 | 0.267 | 0.267 | 0.000 |
| 5 | 28 | 0.267 | 0.266 | -0.001 |
| 5 | 29 | 0.267 | 0.268 | 0.001 |
| 10 | 30 | 0.266 | 0.267 | 0.001 |
| 10 | 31 | 0.265 | 0.265 | 0.000 |
| 10 | 32 | 0.264 | 0.265 | 0.001 |
| 10 | 33 | 0.268 | 0.268 | 0.000 |
| 10 | 34 | 0.268 | 0.266 | -0.002 |
| 15 | 35 | 0.265 | 0.265 | 0.000 |
| 15 | 36 | 0.266 | 0.264 | -0.002 |
| 15 | 37 | 0.274 | 0.275 | 0.001 |
| 15 | 38 | 0.278 | 0.275 | -0.003 |
| 15 | 39 | 0.268 | 0.266 | -0.002 |
| 30 | 40 | 0.265 | 0.266 | 0.001 |
| 30 | 41 | 0.264 | 0.265 | 0.001 |
| 30 | 42 | 0.267 | 0.267 | 0.000 |
| 30 | 43 | 0.273 | 0.274 | 0.001 |
| 30 | 44 | 0.266 | 0.265 | -0.001 |
| 35 | 45 | 0.270 | 0.268 | -0.002 |
| 35 | 46 | 0.267 | 0.268 | 0.001 |
| 35 | 47 | 0.266 | 0.268 | 0.002 |
| 35 | 48 | 0.267 | 0.268 | 0.001 |
| 35 | 49 | 0.266 | 0.267 | 0.001 |
| 50 | 50 | 0.267 | 0.268 | 0.001 |
| 50 | 51 | 0.268 | 0.267 | -0.001 |
| 50 | 52 | 0.267 | 0.265 | -0.002 |
| 50 | 53 | 0.276 | 0.277 | 0.001 |
| 50 | 54 | 0.264 | 0.264 | 0.000 |
| 55 | 55 | 0.258 | 0.258 | 0.000 |
| 55 | 56 | 0.271 | 0.268 | -0.003 |
| 55 | 57 | 0.269 | 0.269 | 0.000 |
| 55 | 58 | 0.259 | 0.261 | 0.002 |
| 55 | 59 | 0.266 | 0.266 | 0.000 |
| 100 | 60 | 0.265 | 0.265 | 0.000 |
| 100 | 61 | 0.268 | 0.266 | -0.002 |
| 100 | 62 | 0.278 | 0.277 | -0.001 |
| 100 | 63 | 0.267 | 0.268 | 0.001 |
| 100 | 64 | 0.267 | 0.267 | 0.000 |
| 105 | 65 | 0.268 | 0.266 | -0.002 |
| 105 | 66 | 0.276 | 0.275 | -0.001 |
| 105 | 67 | 0.269 | 0.270 | 0.001 |
| 105 | 68 | 0.267 | 0.269 | 0.002 |
| 105 | 69 | 0.268 | 0.266 | -0.002 |
| | Max | 0.278 | 0.277 | 0.002 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.258 | 0.258 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.48_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.265 | 0.264 | 0.266 | 0.265 | 0.264 | 0.265 | 0.267 | 0.264 | 0.258 | 0.265 | 0.266 |
| Average | 0.267 | 0.266 | 0.268 | 0.266 | 0.269 | 0.267 | 0.268 | 0.268 | 0.264 | 0.269 | 0.269 |
| Max | 0.268 | 0.269 | 0.269 | 0.268 | 0.275 | 0.274 | 0.268 | 0.277 | 0.269 | 0.277 | 0.275 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

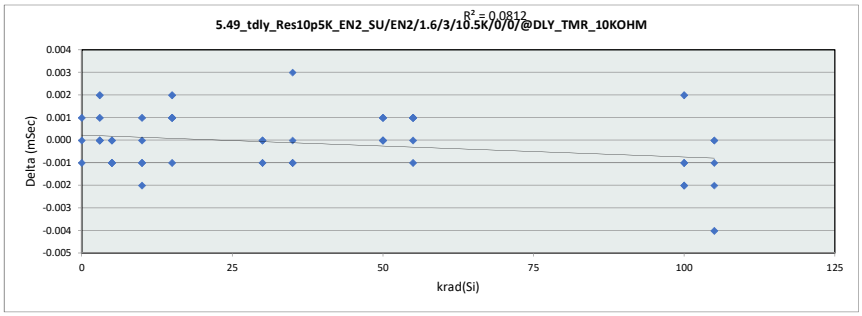


# TID HDR Report
# TPS7H3014-SP

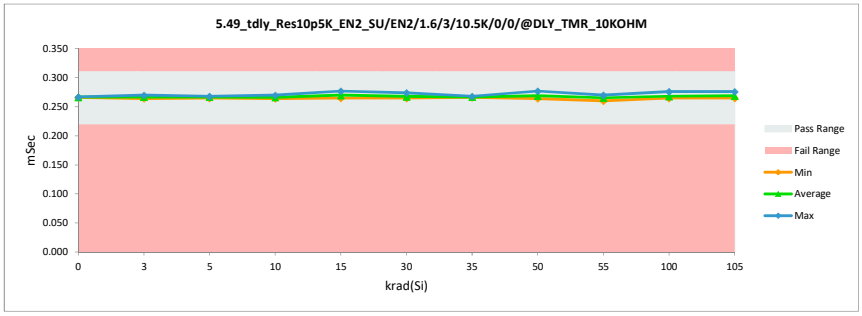
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.49_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.266 | 0.000 |
| 0 | 14 | 0.266 | 0.267 | 0.001 |
| 0 | 15 | 0.268 | 0.267 | -0.001 |
| 3 | 20 | 0.266 | 0.266 | 0.000 |
| 3 | 21 | 0.270 | 0.270 | 0.000 |
| 3 | 22 | 0.267 | 0.269 | 0.002 |
| 3 | 23 | 0.265 | 0.265 | 0.000 |
| 3 | 24 | 0.263 | 0.264 | 0.001 |
| 5 | 25 | 0.269 | 0.268 | -0.001 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.266 | 0.265 | -0.001 |
| 5 | 28 | 0.267 | 0.266 | -0.001 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.268 | 0.266 | -0.002 |
| 10 | 31 | 0.265 | 0.264 | -0.001 |
| 10 | 32 | 0.265 | 0.266 | 0.001 |
| 10 | 33 | 0.270 | 0.270 | 0.000 |
| 10 | 34 | 0.267 | 0.266 | -0.001 |
| 15 | 35 | 0.265 | 0.266 | 0.001 |
| 15 | 36 | 0.266 | 0.265 | -0.001 |
| 15 | 37 | 0.274 | 0.275 | 0.001 |
| 15 | 38 | 0.276 | 0.277 | 0.001 |
| 15 | 39 | 0.265 | 0.267 | 0.002 |
| 30 | 40 | 0.267 | 0.266 | -0.001 |
| 30 | 41 | 0.265 | 0.265 | 0.000 |
| 30 | 42 | 0.267 | 0.267 | 0.000 |
| 30 | 43 | 0.275 | 0.274 | -0.001 |
| 30 | 44 | 0.267 | 0.267 | 0.000 |
| 35 | 45 | 0.268 | 0.267 | -0.001 |
| 35 | 46 | 0.268 | 0.267 | -0.001 |
| 35 | 47 | 0.266 | 0.266 | 0.000 |
| 35 | 48 | 0.267 | 0.266 | -0.001 |
| 35 | 49 | 0.265 | 0.268 | 0.003 |
| 50 | 50 | 0.268 | 0.269 | 0.001 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.267 | 0.267 | 0.000 |
| 50 | 53 | 0.277 | 0.277 | 0.000 |
| 50 | 54 | 0.263 | 0.264 | 0.001 |
| 55 | 55 | 0.259 | 0.260 | 0.001 |
| 55 | 56 | 0.270 | 0.270 | 0.000 |
| 55 | 57 | 0.268 | 0.269 | 0.001 |
| 55 | 58 | 0.260 | 0.261 | 0.001 |
| 55 | 59 | 0.268 | 0.267 | -0.001 |
| 100 | 60 | 0.267 | 0.265 | -0.002 |
| 100 | 61 | 0.266 | 0.265 | -0.001 |
| 100 | 62 | 0.277 | 0.276 | -0.001 |
| 100 | 63 | 0.267 | 0.269 | 0.002 |
| 100 | 64 | 0.267 | 0.265 | -0.002 |
| 105 | 65 | 0.269 | 0.265 | -0.004 |
| 105 | 66 | 0.276 | 0.276 | 0.000 |
| 105 | 67 | 0.270 | 0.269 | -0.001 |
| 105 | 68 | 0.267 | 0.267 | 0.000 |
| 105 | 69 | 0.269 | 0.267 | -0.002 |
| | Max | 0.277 | 0.277 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.259 | 0.260 | -0.004 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.49_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.264 | 0.265 | 0.264 | 0.265 | 0.265 | 0.266 | 0.264 | 0.260 | 0.265 | 0.265 |
| Average | 0.267 | 0.267 | 0.267 | 0.266 | 0.270 | 0.268 | 0.267 | 0.269 | 0.265 | 0.268 | 0.269 |
| Max | 0.267 | 0.270 | 0.268 | 0.270 | 0.277 | 0.274 | 0.268 | 0.277 | 0.270 | 0.276 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

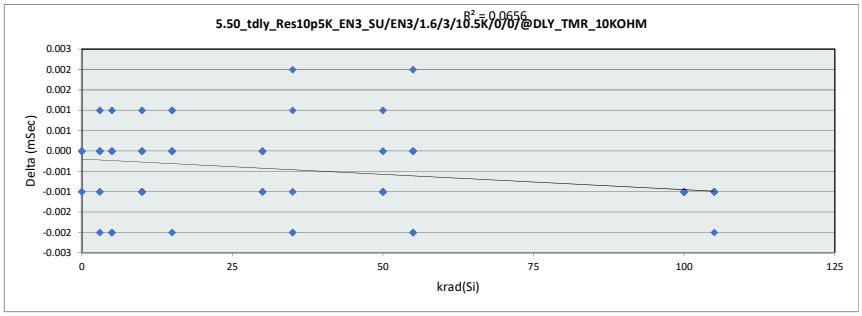


# TID HDR Report
# TPS7H3014-SP

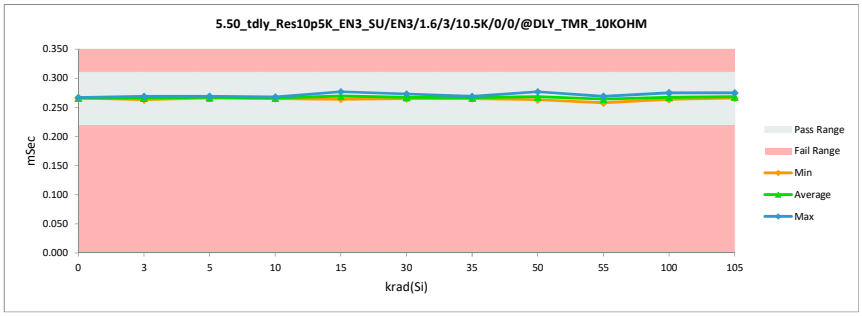
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.50_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.267 | 0.000 |
| 0 | 14 | 0.267 | 0.266 | -0.001 |
| 0 | 15 | 0.266 | 0.266 | 0.000 |
| 3 | 20 | 0.266 | 0.266 | 0.000 |
| 3 | 21 | 0.270 | 0.269 | -0.001 |
| 3 | 22 | 0.267 | 0.268 | 0.001 |
| 3 | 23 | 0.267 | 0.265 | -0.002 |
| 3 | 24 | 0.263 | 0.263 | 0.000 |
| 5 | 25 | 0.268 | 0.269 | 0.001 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.268 | 0.266 | -0.002 |
| 5 | 28 | 0.268 | 0.266 | -0.002 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.265 | 0.265 | 0.000 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.265 | 0.265 | 0.000 |
| 10 | 33 | 0.269 | 0.268 | -0.001 |
| 10 | 34 | 0.267 | 0.268 | 0.001 |
| 15 | 35 | 0.266 | 0.266 | 0.000 |
| 15 | 36 | 0.263 | 0.264 | 0.001 |
| 15 | 37 | 0.275 | 0.273 | -0.002 |
| 15 | 38 | 0.276 | 0.277 | 0.001 |
| 15 | 39 | 0.267 | 0.267 | 0.000 |
| 30 | 40 | 0.268 | 0.267 | -0.001 |
| 30 | 41 | 0.265 | 0.265 | 0.000 |
| 30 | 42 | 0.267 | 0.266 | -0.001 |
| 30 | 43 | 0.273 | 0.273 | 0.000 |
| 30 | 44 | 0.266 | 0.266 | 0.000 |
| 35 | 45 | 0.269 | 0.267 | -0.002 |
| 35 | 46 | 0.267 | 0.269 | 0.002 |
| 35 | 47 | 0.267 | 0.266 | -0.001 |
| 35 | 48 | 0.266 | 0.267 | 0.001 |
| 35 | 49 | 0.267 | 0.265 | -0.002 |
| 50 | 50 | 0.268 | 0.267 | -0.001 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.268 | 0.267 | -0.001 |
| 50 | 53 | 0.276 | 0.277 | 0.001 |
| 50 | 54 | 0.264 | 0.263 | -0.001 |
| 55 | 55 | 0.258 | 0.258 | 0.000 |
| 55 | 56 | 0.271 | 0.269 | -0.002 |
| 55 | 57 | 0.269 | 0.267 | -0.002 |
| 55 | 58 | 0.259 | 0.259 | 0.000 |
| 55 | 59 | 0.266 | 0.268 | 0.002 |
| 100 | 60 | 0.265 | 0.264 | -0.001 |
| 100 | 61 | 0.267 | 0.266 | -0.001 |
| 100 | 62 | 0.276 | 0.275 | -0.001 |
| 100 | 63 | 0.268 | 0.267 | -0.001 |
| 100 | 64 | 0.266 | 0.265 | -0.001 |
| 105 | 65 | 0.268 | 0.266 | -0.002 |
| 105 | 66 | 0.276 | 0.275 | -0.001 |
| 105 | 67 | 0.270 | 0.269 | -0.001 |
| 105 | 68 | 0.268 | 0.267 | -0.001 |
| 105 | 69 | 0.267 | 0.266 | -0.001 |
| | Max | 0.276 | 0.277 | 0.002 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.258 | 0.258 | -0.002 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.50_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.266 | 0.265 | 0.264 | 0.265 | 0.265 | 0.263 | 0.258 | 0.264 | 0.266 |
| Average | 0.266 | 0.266 | 0.267 | 0.266 | 0.269 | 0.267 | 0.267 | 0.268 | 0.264 | 0.267 | 0.269 |
| Max | 0.267 | 0.269 | 0.269 | 0.268 | 0.277 | 0.273 | 0.269 | 0.277 | 0.269 | 0.275 | 0.275 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

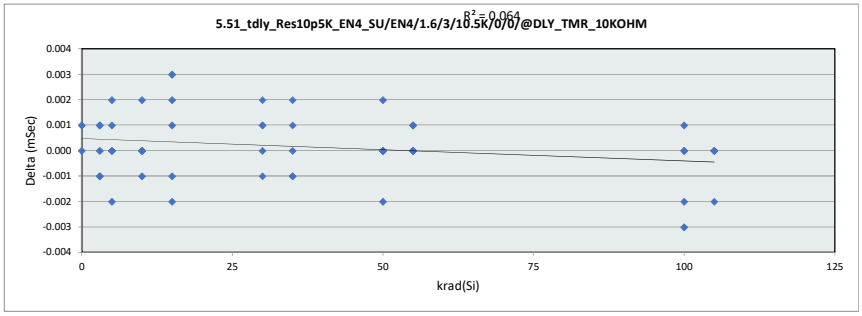


# TID HDR Report
# TPS7H3014-SP

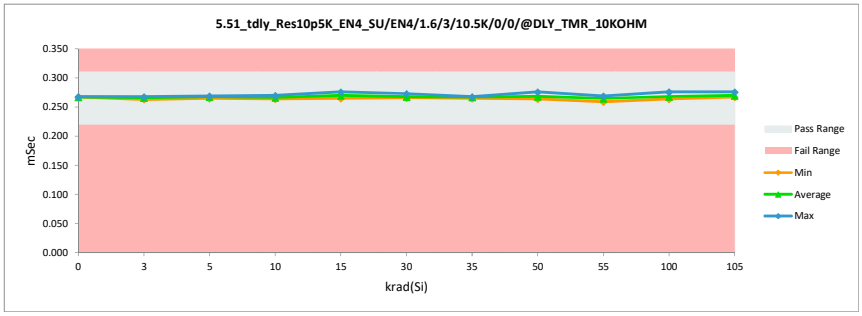
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.51_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.267 | 0.000 |
| 0 | 14 | 0.267 | 0.268 | 0.001 |
| 0 | 15 | 0.266 | 0.267 | 0.001 |
| 3 | 20 | 0.265 | 0.266 | 0.001 |
| 3 | 21 | 0.269 | 0.268 | -0.001 |
| 3 | 22 | 0.267 | 0.268 | 0.001 |
| 3 | 23 | 0.266 | 0.266 | 0.000 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.269 | 0.269 | 0.000 |
| 5 | 26 | 0.267 | 0.267 | 0.000 |
| 5 | 27 | 0.267 | 0.265 | -0.002 |
| 5 | 28 | 0.266 | 0.268 | 0.002 |
| 5 | 29 | 0.268 | 0.269 | 0.001 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.264 | 0.264 | 0.000 |
| 10 | 33 | 0.268 | 0.270 | 0.002 |
| 10 | 34 | 0.267 | 0.267 | 0.000 |
| 15 | 35 | 0.264 | 0.266 | 0.002 |
| 15 | 36 | 0.264 | 0.265 | 0.001 |
| 15 | 37 | 0.276 | 0.274 | -0.002 |
| 15 | 38 | 0.277 | 0.276 | -0.001 |
| 15 | 39 | 0.266 | 0.269 | 0.003 |
| 30 | 40 | 0.267 | 0.267 | 0.000 |
| 30 | 41 | 0.265 | 0.267 | 0.002 |
| 30 | 42 | 0.267 | 0.266 | -0.001 |
| 30 | 43 | 0.272 | 0.273 | 0.001 |
| 30 | 44 | 0.266 | 0.267 | 0.001 |
| 35 | 45 | 0.269 | 0.268 | -0.001 |
| 35 | 46 | 0.267 | 0.268 | 0.001 |
| 35 | 47 | 0.266 | 0.266 | 0.000 |
| 35 | 48 | 0.266 | 0.268 | 0.002 |
| 35 | 49 | 0.266 | 0.265 | -0.001 |
| 50 | 50 | 0.270 | 0.268 | -0.002 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.266 | 0.268 | 0.002 |
| 50 | 53 | 0.276 | 0.276 | 0.000 |
| 50 | 54 | 0.264 | 0.264 | 0.000 |
| 55 | 55 | 0.258 | 0.259 | 0.001 |
| 55 | 56 | 0.269 | 0.269 | 0.000 |
| 55 | 57 | 0.269 | 0.269 | 0.000 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.266 | 0.267 | 0.001 |
| 100 | 60 | 0.266 | 0.264 | -0.002 |
| 100 | 61 | 0.267 | 0.267 | 0.000 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.268 | 0.269 | 0.001 |
| 100 | 64 | 0.268 | 0.265 | -0.003 |
| 105 | 65 | 0.269 | 0.267 | -0.002 |
| 105 | 66 | 0.276 | 0.276 | 0.000 |
| 105 | 67 | 0.271 | 0.271 | 0.000 |
| 105 | 68 | 0.268 | 0.268 | 0.000 |
| 105 | 69 | 0.268 | 0.268 | 0.000 |
| | Max | 0.277 | 0.276 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.258 | 0.259 | -0.003 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.51_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.263 | 0.265 | 0.264 | 0.265 | 0.266 | 0.265 | 0.264 | 0.259 | 0.264 | 0.267 |
| Average | 0.267 | 0.266 | 0.268 | 0.266 | 0.270 | 0.268 | 0.267 | 0.269 | 0.265 | 0.268 | 0.270 |
| Max | 0.268 | 0.268 | 0.269 | 0.270 | 0.276 | 0.273 | 0.268 | 0.276 | 0.269 | 0.276 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

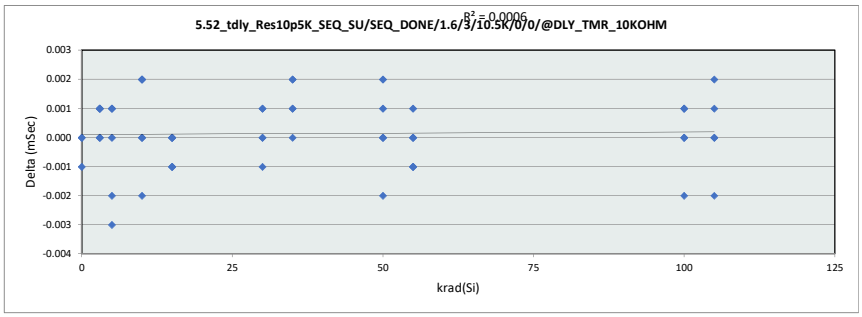


# TID HDR Report
# TPS7H3014-SP

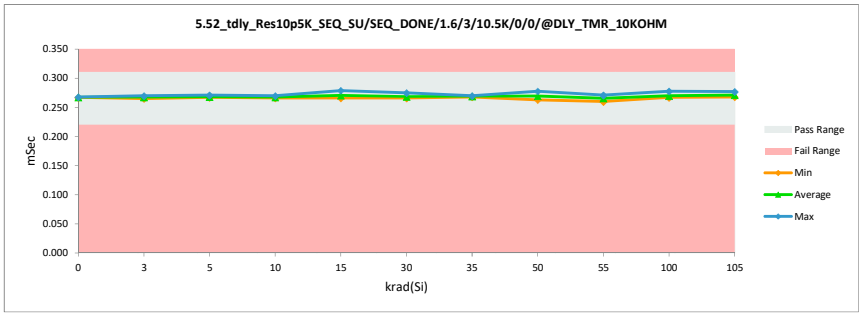
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.52_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.268 | 0.268 | 0.000 |
| 0 | 14 | 0.269 | 0.268 | -0.001 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.267 | 0.267 | 0.000 |
| 3 | 21 | 0.269 | 0.270 | 0.001 |
| 3 | 22 | 0.270 | 0.270 | 0.000 |
| 3 | 23 | 0.266 | 0.267 | 0.001 |
| 3 | 24 | 0.264 | 0.265 | 0.001 |
| 5 | 25 | 0.270 | 0.271 | 0.001 |
| 5 | 26 | 0.268 | 0.269 | 0.001 |
| 5 | 27 | 0.267 | 0.267 | 0.000 |
| 5 | 28 | 0.269 | 0.267 | -0.002 |
| 5 | 29 | 0.271 | 0.268 | -0.003 |
| 10 | 30 | 0.266 | 0.268 | 0.002 |
| 10 | 31 | 0.265 | 0.267 | 0.002 |
| 10 | 32 | 0.268 | 0.266 | -0.002 |
| 10 | 33 | 0.270 | 0.270 | 0.000 |
| 10 | 34 | 0.268 | 0.268 | 0.000 |
| 15 | 35 | 0.267 | 0.266 | -0.001 |
| 15 | 36 | 0.267 | 0.266 | -0.001 |
| 15 | 37 | 0.275 | 0.275 | 0.000 |
| 15 | 38 | 0.279 | 0.279 | 0.000 |
| 15 | 39 | 0.267 | 0.267 | 0.000 |
| 30 | 40 | 0.269 | 0.269 | 0.000 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.267 | 0.267 | 0.000 |
| 30 | 43 | 0.274 | 0.275 | 0.001 |
| 30 | 44 | 0.268 | 0.267 | -0.001 |
| 35 | 45 | 0.269 | 0.269 | 0.000 |
| 35 | 46 | 0.268 | 0.270 | 0.002 |
| 35 | 47 | 0.268 | 0.270 | 0.002 |
| 35 | 48 | 0.267 | 0.268 | 0.001 |
| 35 | 49 | 0.268 | 0.269 | 0.001 |
| 50 | 50 | 0.270 | 0.270 | 0.000 |
| 50 | 51 | 0.267 | 0.269 | 0.002 |
| 50 | 52 | 0.268 | 0.268 | 0.000 |
| 50 | 53 | 0.277 | 0.278 | 0.001 |
| 50 | 54 | 0.265 | 0.263 | -0.002 |
| 55 | 55 | 0.260 | 0.260 | 0.000 |
| 55 | 56 | 0.272 | 0.271 | -0.001 |
| 55 | 57 | 0.269 | 0.268 | -0.001 |
| 55 | 58 | 0.261 | 0.261 | 0.000 |
| 55 | 59 | 0.268 | 0.269 | 0.001 |
| 100 | 60 | 0.267 | 0.267 | 0.000 |
| 100 | 61 | 0.269 | 0.267 | -0.002 |
| 100 | 62 | 0.277 | 0.278 | 0.001 |
| 100 | 63 | 0.269 | 0.270 | 0.001 |
| 100 | 64 | 0.268 | 0.268 | 0.000 |
| 105 | 65 | 0.270 | 0.268 | -0.002 |
| 105 | 66 | 0.276 | 0.277 | 0.001 |
| 105 | 67 | 0.272 | 0.272 | 0.000 |
| 105 | 68 | 0.269 | 0.269 | 0.000 |
| 105 | 69 | 0.268 | 0.270 | 0.002 |
| | Max | 0.279 | 0.279 | 0.002 |
| | Average | 0.269 | 0.269 | 0.000 |
| | Min | 0.260 | 0.260 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.52_tdly_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.265 | 0.267 | 0.266 | 0.266 | 0.266 | 0.268 | 0.263 | 0.260 | 0.267 | 0.268 |
| Average | 0.268 | 0.268 | 0.268 | 0.268 | 0.271 | 0.269 | 0.269 | 0.270 | 0.266 | 0.270 | 0.271 |
| Max | 0.268 | 0.270 | 0.271 | 0.270 | 0.279 | 0.275 | 0.270 | 0.278 | 0.271 | 0.278 | 0.277 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

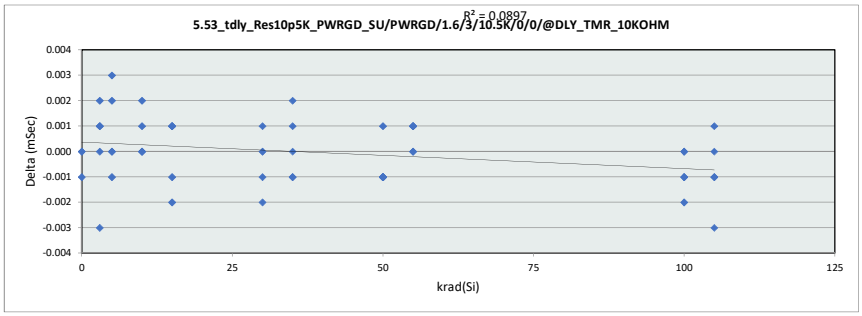


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

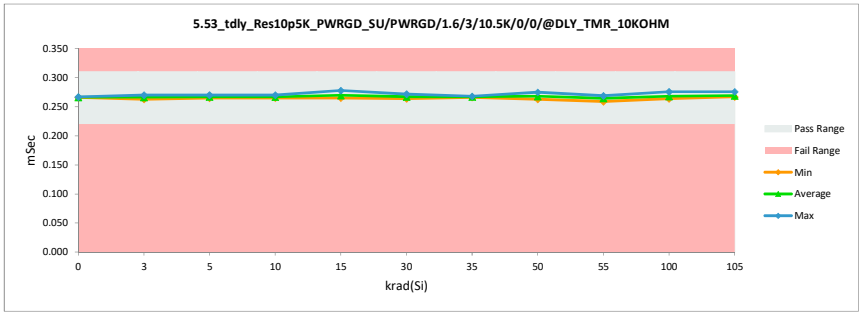
| | 5.53_tdly_Res10p5K_PWR | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.266 | -0.001 |
| 0 | 14 | 0.266 | 0.266 | 0.000 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.268 | 0.265 | -0.003 |
| 3 | 21 | 0.268 | 0.268 | 0.000 |
| 3 | 22 | 0.268 | 0.270 | 0.002 |
| 3 | 23 | 0.265 | 0.266 | 0.001 |
| 3 | 24 | 0.262 | 0.263 | 0.001 |
| 5 | 25 | 0.267 | 0.270 | 0.003 |
| 5 | 26 | 0.266 | 0.268 | 0.002 |
| 5 | 27 | 0.265 | 0.265 | 0.000 |
| 5 | 28 | 0.267 | 0.266 | -0.001 |
| 5 | 29 | 0.268 | 0.268 | 0.000 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.265 | 0.265 | 0.000 |
| 10 | 32 | 0.266 | 0.266 | 0.000 |
| 10 | 33 | 0.268 | 0.270 | 0.002 |
| 10 | 34 | 0.267 | 0.268 | 0.001 |
| 15 | 35 | 0.265 | 0.266 | 0.001 |
| 15 | 36 | 0.264 | 0.265 | 0.001 |
| 15 | 37 | 0.275 | 0.274 | -0.001 |
| 15 | 38 | 0.277 | 0.278 | 0.001 |
| 15 | 39 | 0.268 | 0.266 | -0.002 |
| 30 | 40 | 0.268 | 0.268 | 0.000 |
| 30 | 41 | 0.264 | 0.264 | 0.000 |
| 30 | 42 | 0.267 | 0.268 | 0.001 |
| 30 | 43 | 0.274 | 0.272 | -0.002 |
| 30 | 44 | 0.266 | 0.265 | -0.001 |
| 35 | 45 | 0.268 | 0.268 | 0.000 |
| 35 | 46 | 0.269 | 0.268 | -0.001 |
| 35 | 47 | 0.267 | 0.266 | -0.001 |
| 35 | 48 | 0.266 | 0.268 | 0.002 |
| 35 | 49 | 0.265 | 0.266 | 0.001 |
| 50 | 50 | 0.268 | 0.267 | -0.001 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.268 | 0.267 | -0.001 |
| 50 | 53 | 0.276 | 0.275 | -0.001 |
| 50 | 54 | 0.264 | 0.263 | -0.001 |
| 55 | 55 | 0.259 | 0.259 | 0.000 |
| 55 | 56 | 0.268 | 0.269 | 0.001 |
| 55 | 57 | 0.268 | 0.269 | 0.001 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.265 | 0.266 | 0.001 |
| 100 | 60 | 0.265 | 0.264 | -0.001 |
| 100 | 61 | 0.268 | 0.266 | -0.002 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.269 | 0.269 | 0.000 |
| 100 | 64 | 0.267 | 0.266 | -0.001 |
| 105 | 65 | 0.268 | 0.267 | -0.001 |
| 105 | 66 | 0.275 | 0.276 | 0.001 |
| 105 | 67 | 0.272 | 0.269 | -0.003 |
| 105 | 68 | 0.268 | 0.267 | -0.001 |
| 105 | 69 | 0.268 | 0.268 | 0.000 |
| | Max | 0.277 | 0.278 | 0.003 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.259 | 0.259 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.53_tdly_Res10p5K_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.31 | mSec |
| Min Limit | 0.22 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.265 | 0.265 | 0.265 | 0.264 | 0.266 | 0.263 | 0.259 | 0.264 | 0.267 |
| Average | 0.266 | 0.266 | 0.267 | 0.267 | 0.270 | 0.267 | 0.267 | 0.268 | 0.265 | 0.268 | 0.269 |
| Max | 0.267 | 0.270 | 0.270 | 0.270 | 0.278 | 0.272 | 0.268 | 0.275 | 0.269 | 0.276 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

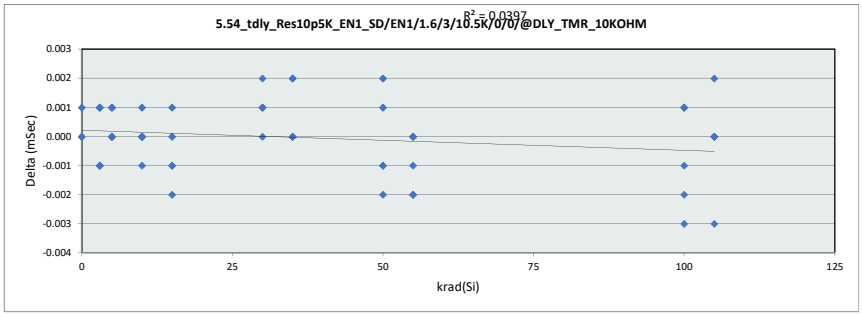


# TID HDR Report
# TPS7H3014-SP

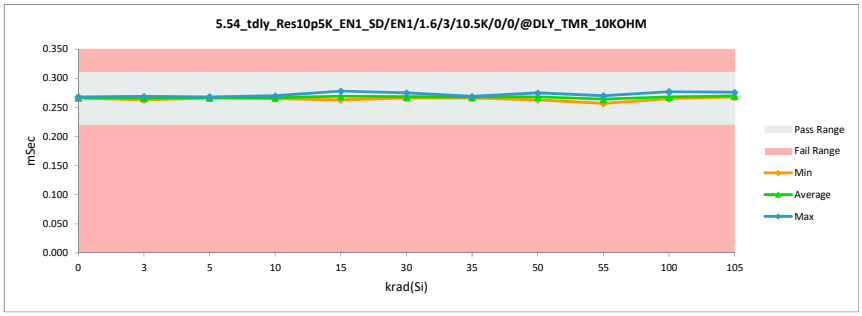
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.54_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.266 | 0.000 |
| 0 | 14 | 0.267 | 0.268 | 0.001 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.265 | 0.266 | 0.001 |
| 3 | 21 | 0.269 | 0.268 | -0.001 |
| 3 | 22 | 0.268 | 0.269 | 0.001 |
| 3 | 23 | 0.266 | 0.265 | -0.001 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.268 | 0.268 | 0.000 |
| 5 | 26 | 0.267 | 0.267 | 0.000 |
| 5 | 27 | 0.265 | 0.266 | 0.001 |
| 5 | 28 | 0.266 | 0.266 | 0.000 |
| 5 | 29 | 0.267 | 0.268 | 0.001 |
| 10 | 30 | 0.265 | 0.266 | 0.001 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.265 | 0.265 | 0.000 |
| 10 | 33 | 0.270 | 0.270 | 0.000 |
| 10 | 34 | 0.268 | 0.268 | 0.000 |
| 15 | 35 | 0.265 | 0.266 | 0.001 |
| 15 | 36 | 0.265 | 0.263 | -0.002 |
| 15 | 37 | 0.274 | 0.273 | -0.001 |
| 15 | 38 | 0.278 | 0.278 | 0.000 |
| 15 | 39 | 0.267 | 0.266 | -0.001 |
| 30 | 40 | 0.267 | 0.268 | 0.001 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.266 | 0.267 | 0.001 |
| 30 | 43 | 0.273 | 0.275 | 0.002 |
| 30 | 44 | 0.266 | 0.266 | 0.000 |
| 35 | 45 | 0.269 | 0.269 | 0.000 |
| 35 | 46 | 0.268 | 0.268 | 0.000 |
| 35 | 47 | 0.266 | 0.268 | 0.002 |
| 35 | 48 | 0.266 | 0.268 | 0.002 |
| 35 | 49 | 0.266 | 0.266 | 0.000 |
| 50 | 50 | 0.268 | 0.267 | -0.001 |
| 50 | 51 | 0.266 | 0.268 | 0.002 |
| 50 | 52 | 0.267 | 0.268 | 0.001 |
| 50 | 53 | 0.276 | 0.275 | -0.001 |
| 50 | 54 | 0.265 | 0.263 | -0.002 |
| 55 | 55 | 0.259 | 0.257 | -0.002 |
| 55 | 56 | 0.271 | 0.270 | -0.001 |
| 55 | 57 | 0.268 | 0.268 | 0.000 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.268 | 0.266 | -0.002 |
| 100 | 60 | 0.265 | 0.266 | 0.001 |
| 100 | 61 | 0.267 | 0.265 | -0.002 |
| 100 | 62 | 0.276 | 0.277 | 0.001 |
| 100 | 63 | 0.269 | 0.266 | -0.003 |
| 100 | 64 | 0.267 | 0.266 | -0.001 |
| 105 | 65 | 0.268 | 0.268 | 0.000 |
| 105 | 66 | 0.276 | 0.276 | 0.000 |
| 105 | 67 | 0.272 | 0.269 | -0.003 |
| 105 | 68 | 0.268 | 0.268 | 0.000 |
| 105 | 69 | 0.266 | 0.268 | 0.002 |
| | Max | 0.278 | 0.278 | 0.002 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.259 | 0.257 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.54_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.266 | 0.265 | 0.263 | 0.266 | 0.266 | 0.263 | 0.257 | 0.265 | 0.268 |
| Average | 0.267 | 0.266 | 0.267 | 0.267 | 0.269 | 0.268 | 0.268 | 0.268 | 0.264 | 0.268 | 0.270 |
| Max | 0.268 | 0.269 | 0.268 | 0.270 | 0.278 | 0.275 | 0.269 | 0.275 | 0.270 | 0.277 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

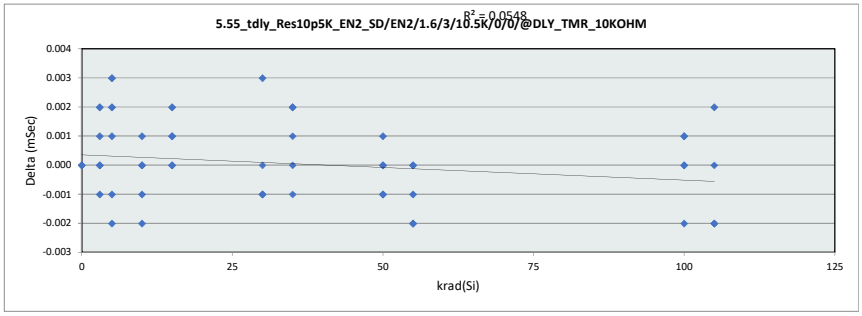


# TID HDR Report
# TPS7H3014-SP

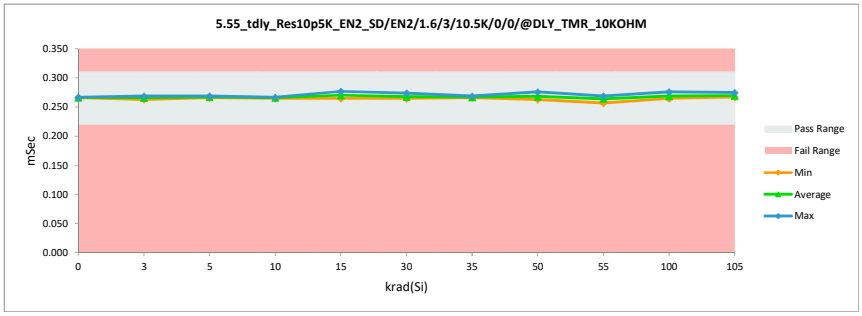
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.55_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.266 | 0.000 |
| 0 | 14 | 0.267 | 0.267 | 0.000 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.265 | 0.267 | 0.002 |
| 3 | 21 | 0.269 | 0.269 | 0.000 |
| 3 | 22 | 0.267 | 0.268 | 0.001 |
| 3 | 23 | 0.266 | 0.265 | -0.001 |
| 3 | 24 | 0.263 | 0.263 | 0.000 |
| 5 | 25 | 0.269 | 0.268 | -0.001 |
| 5 | 26 | 0.266 | 0.269 | 0.003 |
| 5 | 27 | 0.265 | 0.266 | 0.001 |
| 5 | 28 | 0.266 | 0.268 | 0.002 |
| 5 | 29 | 0.268 | 0.266 | -0.002 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.265 | 0.265 | 0.000 |
| 10 | 32 | 0.265 | 0.266 | 0.001 |
| 10 | 33 | 0.269 | 0.267 | -0.002 |
| 10 | 34 | 0.268 | 0.267 | -0.001 |
| 15 | 35 | 0.266 | 0.267 | 0.001 |
| 15 | 36 | 0.265 | 0.265 | 0.000 |
| 15 | 37 | 0.275 | 0.276 | 0.001 |
| 15 | 38 | 0.277 | 0.277 | 0.000 |
| 15 | 39 | 0.265 | 0.267 | 0.002 |
| 30 | 40 | 0.268 | 0.267 | -0.001 |
| 30 | 41 | 0.265 | 0.265 | 0.000 |
| 30 | 42 | 0.266 | 0.269 | 0.003 |
| 30 | 43 | 0.275 | 0.274 | -0.001 |
| 30 | 44 | 0.266 | 0.265 | -0.001 |
| 35 | 45 | 0.269 | 0.269 | 0.000 |
| 35 | 46 | 0.266 | 0.267 | 0.001 |
| 35 | 47 | 0.267 | 0.266 | -0.001 |
| 35 | 48 | 0.265 | 0.267 | 0.002 |
| 35 | 49 | 0.265 | 0.267 | 0.002 |
| 50 | 50 | 0.269 | 0.268 | -0.001 |
| 50 | 51 | 0.269 | 0.268 | -0.001 |
| 50 | 52 | 0.267 | 0.267 | 0.000 |
| 50 | 53 | 0.275 | 0.276 | 0.001 |
| 50 | 54 | 0.263 | 0.263 | 0.000 |
| 55 | 55 | 0.259 | 0.257 | -0.002 |
| 55 | 56 | 0.270 | 0.269 | -0.001 |
| 55 | 57 | 0.269 | 0.269 | 0.000 |
| 55 | 58 | 0.261 | 0.259 | -0.002 |
| 55 | 59 | 0.267 | 0.267 | 0.000 |
| 100 | 60 | 0.267 | 0.265 | -0.002 |
| 100 | 61 | 0.266 | 0.266 | 0.000 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.269 | 0.270 | 0.001 |
| 100 | 64 | 0.266 | 0.267 | 0.001 |
| 105 | 65 | 0.269 | 0.267 | -0.002 |
| 105 | 66 | 0.277 | 0.275 | -0.002 |
| 105 | 67 | 0.271 | 0.269 | -0.002 |
| 105 | 68 | 0.268 | 0.270 | 0.002 |
| 105 | 69 | 0.267 | 0.267 | 0.000 |
| | Max | 0.277 | 0.277 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.259 | 0.257 | -0.002 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.55_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.266 | 0.265 | 0.265 | 0.265 | 0.266 | 0.263 | 0.257 | 0.265 | 0.267 |
| Average | 0.267 | 0.266 | 0.267 | 0.266 | 0.270 | 0.268 | 0.267 | 0.268 | 0.264 | 0.269 | 0.270 |
| Max | 0.267 | 0.269 | 0.269 | 0.267 | 0.277 | 0.274 | 0.269 | 0.276 | 0.269 | 0.276 | 0.275 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

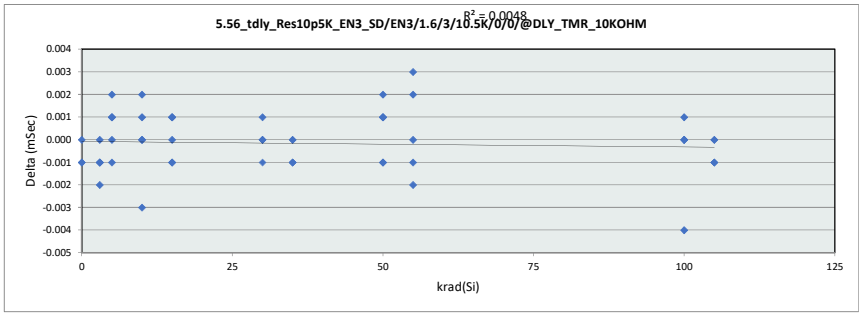


# TID HDR Report
# TPS7H3014-SP

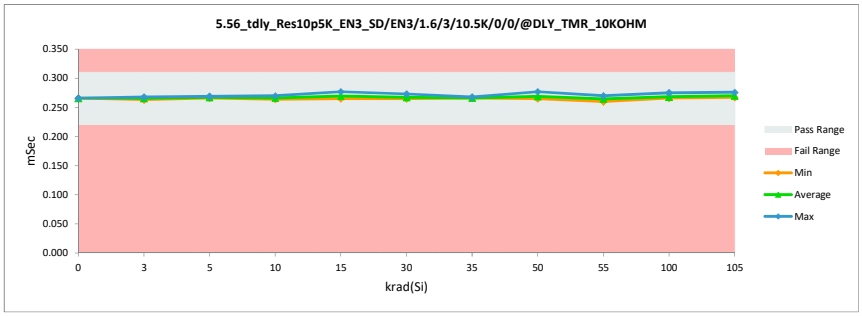
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.56_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.266 | -0.001 |
| 0 | 14 | 0.266 | 0.266 | 0.000 |
| 0 | 15 | 0.267 | 0.266 | -0.001 |
| 3 | 20 | 0.266 | 0.265 | -0.001 |
| 3 | 21 | 0.269 | 0.267 | -0.002 |
| 3 | 22 | 0.269 | 0.268 | -0.001 |
| 3 | 23 | 0.266 | 0.266 | 0.000 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.267 | 0.269 | 0.002 |
| 5 | 26 | 0.267 | 0.266 | -0.001 |
| 5 | 27 | 0.267 | 0.267 | 0.000 |
| 5 | 28 | 0.266 | 0.267 | 0.001 |
| 5 | 29 | 0.267 | 0.268 | 0.001 |
| 10 | 30 | 0.265 | 0.266 | 0.001 |
| 10 | 31 | 0.266 | 0.266 | 0.000 |
| 10 | 32 | 0.267 | 0.264 | -0.003 |
| 10 | 33 | 0.268 | 0.270 | 0.002 |
| 10 | 34 | 0.266 | 0.266 | 0.000 |
| 15 | 35 | 0.265 | 0.265 | 0.000 |
| 15 | 36 | 0.265 | 0.266 | 0.001 |
| 15 | 37 | 0.274 | 0.273 | -0.001 |
| 15 | 38 | 0.276 | 0.277 | 0.001 |
| 15 | 39 | 0.267 | 0.266 | -0.001 |
| 30 | 40 | 0.268 | 0.267 | -0.001 |
| 30 | 41 | 0.265 | 0.265 | 0.000 |
| 30 | 42 | 0.266 | 0.266 | 0.000 |
| 30 | 43 | 0.272 | 0.273 | 0.001 |
| 30 | 44 | 0.266 | 0.266 | 0.000 |
| 35 | 45 | 0.269 | 0.268 | -0.001 |
| 35 | 46 | 0.266 | 0.266 | 0.000 |
| 35 | 47 | 0.267 | 0.266 | -0.001 |
| 35 | 48 | 0.266 | 0.266 | 0.000 |
| 35 | 49 | 0.267 | 0.266 | -0.001 |
| 50 | 50 | 0.269 | 0.268 | -0.001 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.268 | 0.267 | -0.001 |
| 50 | 53 | 0.276 | 0.277 | 0.001 |
| 50 | 54 | 0.263 | 0.265 | 0.002 |
| 55 | 55 | 0.257 | 0.260 | 0.003 |
| 55 | 56 | 0.268 | 0.270 | 0.002 |
| 55 | 57 | 0.269 | 0.267 | -0.002 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.267 | 0.266 | -0.001 |
| 100 | 60 | 0.266 | 0.266 | 0.000 |
| 100 | 61 | 0.267 | 0.267 | 0.000 |
| 100 | 62 | 0.279 | 0.275 | -0.004 |
| 100 | 63 | 0.267 | 0.268 | 0.001 |
| 100 | 64 | 0.266 | 0.266 | 0.000 |
| 105 | 65 | 0.269 | 0.268 | -0.001 |
| 105 | 66 | 0.277 | 0.276 | -0.001 |
| 105 | 67 | 0.271 | 0.271 | 0.000 |
| 105 | 68 | 0.268 | 0.267 | -0.001 |
| 105 | 69 | 0.268 | 0.268 | 0.000 |
| | Max | 0.279 | 0.277 | 0.003 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.257 | 0.260 | -0.004 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.56_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.266 | 0.264 | 0.265 | 0.265 | 0.266 | 0.265 | 0.260 | 0.266 | 0.267 |
| Average | 0.266 | 0.266 | 0.267 | 0.266 | 0.269 | 0.267 | 0.266 | 0.269 | 0.265 | 0.268 | 0.270 |
| Max | 0.266 | 0.268 | 0.269 | 0.270 | 0.277 | 0.273 | 0.268 | 0.277 | 0.270 | 0.275 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

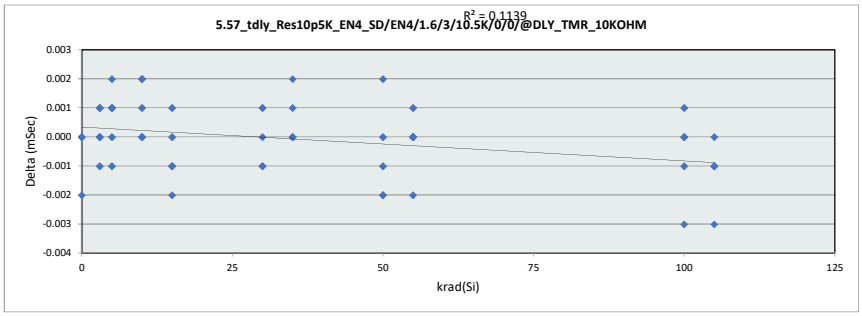


# TID HDR Report
# TPS7H3014-SP

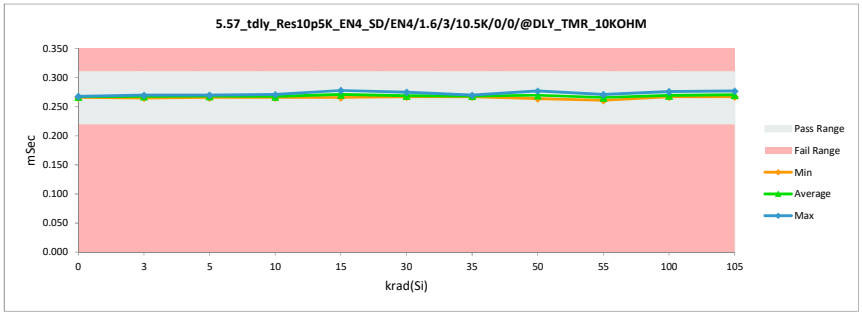
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.57_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.268 | 0.266 | -0.002 |
| 0 | 14 | 0.267 | 0.267 | 0.000 |
| 0 | 15 | 0.268 | 0.268 | 0.000 |
| 3 | 20 | 0.267 | 0.268 | 0.001 |
| 3 | 21 | 0.270 | 0.270 | 0.000 |
| 3 | 22 | 0.270 | 0.269 | -0.001 |
| 3 | 23 | 0.267 | 0.268 | 0.001 |
| 3 | 24 | 0.265 | 0.265 | 0.000 |
| 5 | 25 | 0.268 | 0.270 | 0.002 |
| 5 | 26 | 0.268 | 0.269 | 0.001 |
| 5 | 27 | 0.267 | 0.266 | -0.001 |
| 5 | 28 | 0.267 | 0.267 | 0.000 |
| 5 | 29 | 0.268 | 0.269 | 0.001 |
| 10 | 30 | 0.266 | 0.268 | 0.002 |
| 10 | 31 | 0.266 | 0.266 | 0.000 |
| 10 | 32 | 0.266 | 0.267 | 0.001 |
| 10 | 33 | 0.269 | 0.271 | 0.002 |
| 10 | 34 | 0.267 | 0.267 | 0.000 |
| 15 | 35 | 0.266 | 0.267 | 0.001 |
| 15 | 36 | 0.267 | 0.266 | -0.001 |
| 15 | 37 | 0.277 | 0.276 | -0.001 |
| 15 | 38 | 0.280 | 0.278 | -0.002 |
| 15 | 39 | 0.268 | 0.268 | 0.000 |
| 30 | 40 | 0.268 | 0.268 | 0.000 |
| 30 | 41 | 0.266 | 0.267 | 0.001 |
| 30 | 42 | 0.268 | 0.267 | -0.001 |
| 30 | 43 | 0.276 | 0.275 | -0.001 |
| 30 | 44 | 0.267 | 0.268 | 0.001 |
| 35 | 45 | 0.270 | 0.270 | 0.000 |
| 35 | 46 | 0.267 | 0.267 | 0.000 |
| 35 | 47 | 0.268 | 0.269 | 0.001 |
| 35 | 48 | 0.268 | 0.268 | 0.000 |
| 35 | 49 | 0.267 | 0.269 | 0.002 |
| 50 | 50 | 0.269 | 0.271 | 0.002 |
| 50 | 51 | 0.269 | 0.269 | 0.000 |
| 50 | 52 | 0.270 | 0.268 | -0.002 |
| 50 | 53 | 0.278 | 0.277 | -0.001 |
| 50 | 54 | 0.266 | 0.264 | -0.002 |
| 55 | 55 | 0.261 | 0.261 | 0.000 |
| 55 | 56 | 0.271 | 0.271 | 0.000 |
| 55 | 57 | 0.270 | 0.268 | -0.002 |
| 55 | 58 | 0.260 | 0.261 | 0.001 |
| 55 | 59 | 0.269 | 0.269 | 0.000 |
| 100 | 60 | 0.267 | 0.267 | 0.000 |
| 100 | 61 | 0.268 | 0.267 | -0.001 |
| 100 | 62 | 0.279 | 0.276 | -0.003 |
| 100 | 63 | 0.269 | 0.269 | 0.000 |
| 100 | 64 | 0.267 | 0.268 | 0.001 |
| 105 | 65 | 0.270 | 0.267 | -0.003 |
| 105 | 66 | 0.278 | 0.277 | -0.001 |
| 105 | 67 | 0.272 | 0.271 | -0.001 |
| 105 | 68 | 0.269 | 0.268 | -0.001 |
| 105 | 69 | 0.269 | 0.269 | 0.000 |
| | Max | 0.280 | 0.278 | 0.002 |
| | Average | 0.269 | 0.269 | 0.000 |
| | Min | 0.260 | 0.261 | -0.003 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.57_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.265 | 0.266 | 0.266 | 0.266 | 0.267 | 0.267 | 0.264 | 0.261 | 0.267 | 0.267 |
| Average | 0.267 | 0.268 | 0.268 | 0.268 | 0.271 | 0.269 | 0.269 | 0.270 | 0.266 | 0.269 | 0.270 |
| Max | 0.268 | 0.270 | 0.270 | 0.271 | 0.278 | 0.275 | 0.270 | 0.277 | 0.271 | 0.276 | 0.277 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

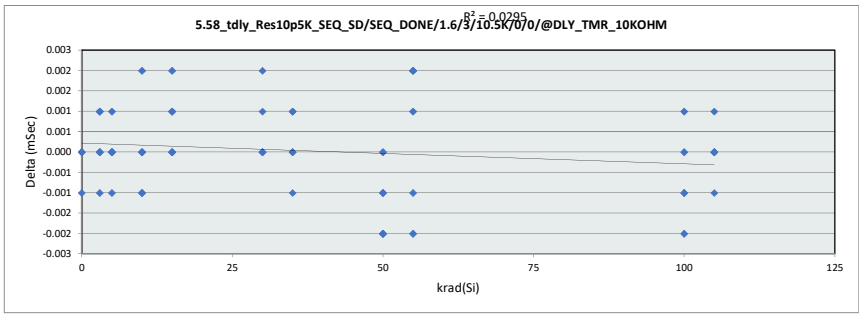


# TID HDR Report
# TPS7H3014-SP

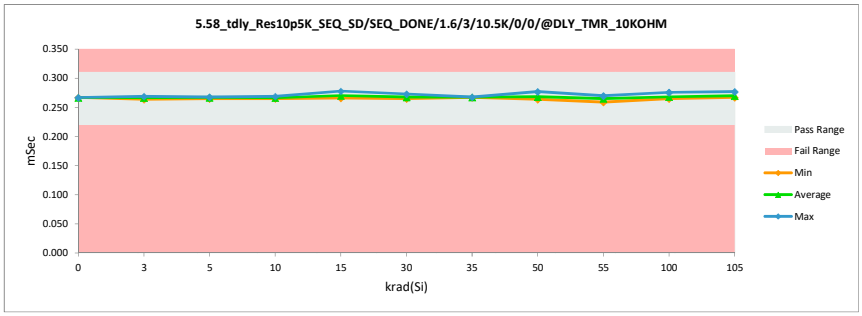
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.58_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.267 | 0.000 |
| 0 | 14 | 0.268 | 0.267 | -0.001 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.265 | 0.266 | 0.001 |
| 3 | 21 | 0.270 | 0.269 | -0.001 |
| 3 | 22 | 0.268 | 0.268 | 0.000 |
| 3 | 23 | 0.265 | 0.266 | 0.001 |
| 3 | 24 | 0.264 | 0.264 | 0.000 |
| 5 | 25 | 0.268 | 0.268 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.266 | 0.265 | -0.001 |
| 5 | 28 | 0.268 | 0.268 | 0.000 |
| 5 | 29 | 0.266 | 0.267 | 0.001 |
| 10 | 30 | 0.266 | 0.265 | -0.001 |
| 10 | 31 | 0.267 | 0.266 | -0.001 |
| 10 | 32 | 0.264 | 0.266 | 0.002 |
| 10 | 33 | 0.269 | 0.269 | 0.000 |
| 10 | 34 | 0.267 | 0.267 | 0.000 |
| 15 | 35 | 0.266 | 0.266 | 0.000 |
| 15 | 36 | 0.266 | 0.266 | 0.000 |
| 15 | 37 | 0.274 | 0.275 | 0.001 |
| 15 | 38 | 0.276 | 0.278 | 0.002 |
| 15 | 39 | 0.266 | 0.267 | 0.001 |
| 30 | 40 | 0.266 | 0.268 | 0.002 |
| 30 | 41 | 0.265 | 0.265 | 0.000 |
| 30 | 42 | 0.266 | 0.267 | 0.001 |
| 30 | 43 | 0.273 | 0.273 | 0.000 |
| 30 | 44 | 0.266 | 0.266 | 0.000 |
| 35 | 45 | 0.268 | 0.268 | 0.000 |
| 35 | 46 | 0.267 | 0.267 | 0.000 |
| 35 | 47 | 0.269 | 0.268 | -0.001 |
| 35 | 48 | 0.267 | 0.268 | 0.001 |
| 35 | 49 | 0.266 | 0.267 | 0.001 |
| 50 | 50 | 0.269 | 0.267 | -0.002 |
| 50 | 51 | 0.269 | 0.268 | -0.001 |
| 50 | 52 | 0.268 | 0.266 | -0.002 |
| 50 | 53 | 0.277 | 0.277 | 0.000 |
| 50 | 54 | 0.265 | 0.264 | -0.001 |
| 55 | 55 | 0.258 | 0.259 | 0.001 |
| 55 | 56 | 0.270 | 0.268 | -0.002 |
| 55 | 57 | 0.268 | 0.270 | 0.002 |
| 55 | 58 | 0.261 | 0.260 | -0.001 |
| 55 | 59 | 0.267 | 0.269 | 0.002 |
| 100 | 60 | 0.266 | 0.265 | -0.001 |
| 100 | 61 | 0.266 | 0.266 | 0.000 |
| 100 | 62 | 0.278 | 0.276 | -0.002 |
| 100 | 63 | 0.267 | 0.268 | 0.001 |
| 100 | 64 | 0.267 | 0.266 | -0.001 |
| 105 | 65 | 0.269 | 0.268 | -0.001 |
| 105 | 66 | 0.276 | 0.277 | 0.001 |
| 105 | 67 | 0.270 | 0.270 | 0.000 |
| 105 | 68 | 0.268 | 0.268 | 0.000 |
| 105 | 69 | 0.267 | 0.267 | 0.000 |
| | Max | 0.278 | 0.278 | 0.002 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.258 | 0.259 | -0.002 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.58_tdly_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.264 | 0.265 | 0.265 | 0.266 | 0.265 | 0.267 | 0.264 | 0.259 | 0.265 | 0.267 |
| Average | 0.267 | 0.267 | 0.267 | 0.267 | 0.270 | 0.268 | 0.268 | 0.268 | 0.265 | 0.268 | 0.270 |
| Max | 0.267 | 0.269 | 0.268 | 0.269 | 0.278 | 0.273 | 0.268 | 0.277 | 0.270 | 0.276 | 0.277 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

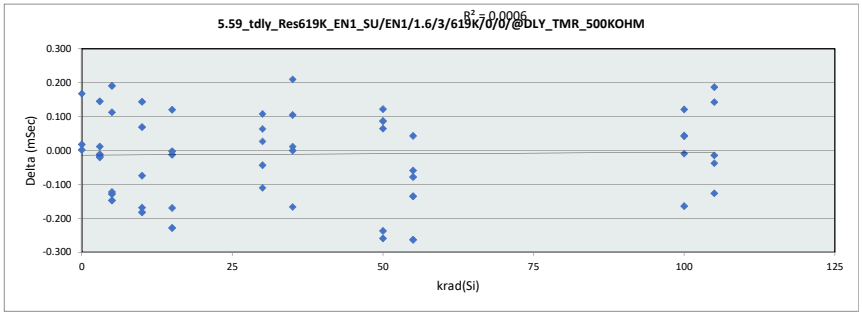


# TID HDR Report
# TPS7H3014-SP

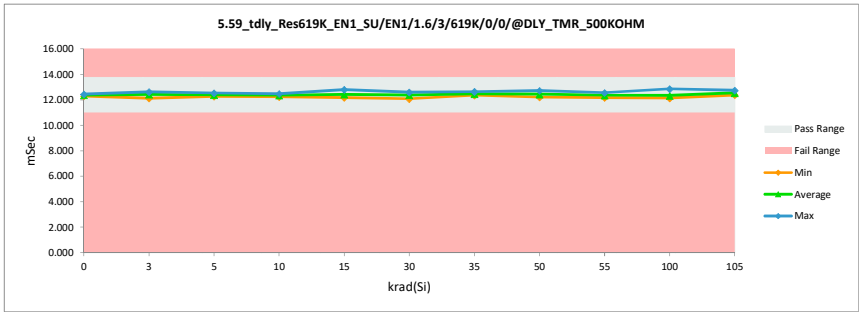
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.59_tdly_Res619K_EN1_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.424 | 12.443 | 0.019 |
| 0 | 14 | 12.293 | 12.296 | 0.003 |
| 0 | 15 | 12.213 | 12.382 | 0.169 |
| 3 | 20 | 12.558 | 12.542 | -0.016 |
| 3 | 21 | 12.636 | 12.626 | -0.010 |
| 3 | 22 | 12.564 | 12.577 | 0.013 |
| 3 | 23 | 12.119 | 12.265 | 0.146 |
| 3 | 24 | 12.142 | 12.123 | -0.019 |
| 5 | 25 | 12.278 | 12.470 | 0.192 |
| 5 | 26 | 12.656 | 12.535 | -0.121 |
| 5 | 27 | 12.259 | 12.373 | 0.114 |
| 5 | 28 | 12.395 | 12.268 | -0.127 |
| 5 | 29 | 12.418 | 12.272 | -0.146 |
| 10 | 30 | 12.336 | 12.481 | 0.145 |
| 10 | 31 | 12.482 | 12.409 | -0.073 |
| 10 | 32 | 12.438 | 12.257 | -0.181 |
| 10 | 33 | 12.623 | 12.456 | -0.167 |
| 10 | 34 | 12.163 | 12.233 | 0.070 |
| 15 | 35 | 12.325 | 12.314 | -0.011 |
| 15 | 36 | 12.351 | 12.183 | -0.168 |
| 15 | 37 | 12.723 | 12.496 | -0.227 |
| 15 | 38 | 12.682 | 12.803 | 0.121 |
| 15 | 39 | 12.366 | 12.365 | -0.001 |
| 30 | 40 | 12.599 | 12.557 | -0.042 |
| 30 | 41 | 12.332 | 12.223 | -0.109 |
| 30 | 42 | 12.368 | 12.433 | 0.065 |
| 30 | 43 | 12.485 | 12.594 | 0.109 |
| 30 | 44 | 12.052 | 12.080 | 0.028 |
| 35 | 45 | 12.527 | 12.362 | -0.165 |
| 35 | 46 | 12.536 | 12.642 | 0.106 |
| 35 | 47 | 12.368 | 12.381 | 0.013 |
| 35 | 48 | 12.387 | 12.388 | 0.001 |
| 35 | 49 | 12.331 | 12.542 | 0.211 |
| 50 | 50 | 12.722 | 12.486 | -0.236 |
| 50 | 51 | 12.334 | 12.457 | 0.123 |
| 50 | 52 | 12.583 | 12.325 | -0.258 |
| 50 | 53 | 12.666 | 12.732 | 0.066 |
| 50 | 54 | 12.118 | 12.206 | 0.088 |
| 55 | 55 | 12.218 | 12.160 | -0.058 |
| 55 | 56 | 12.415 | 12.338 | -0.077 |
| 55 | 57 | 12.697 | 12.563 | -0.134 |
| 55 | 58 | 12.285 | 12.329 | 0.044 |
| 55 | 59 | 12.709 | 12.447 | -0.262 |
| 100 | 60 | 12.417 | 12.254 | -0.163 |
| 100 | 61 | 12.096 | 12.141 | 0.045 |
| 100 | 62 | 12.739 | 12.861 | 0.122 |
| 100 | 63 | 12.298 | 12.290 | -0.008 |
| 100 | 64 | 12.120 | 12.163 | 0.043 |
| 105 | 65 | 12.383 | 12.370 | -0.013 |
| 105 | 66 | 12.771 | 12.735 | -0.036 |
| 105 | 67 | 12.585 | 12.460 | -0.125 |
| 105 | 68 | 12.347 | 12.535 | 0.188 |
| 105 | 69 | 12.457 | 12.601 | 0.144 |
| | Max | 12.771 | 12.861 | 0.211 |
| | Average | 12.422 | 12.412 | -0.011 |
| | Min | 12.052 | 12.080 | -0.262 |
| | Std Dev | 0.191 | 0.177 | 0.125 |




| | 5.59_tdly_Res619K_EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.296 | 12.123 | 12.268 | 12.233 | 12.183 | 12.080 | 12.362 | 12.206 | 12.160 | 12.141 | 12.370 |
| Average | 12.374 | 12.427 | 12.384 | 12.367 | 12.432 | 12.377 | 12.463 | 12.441 | 12.367 | 12.342 | 12.540 |
| Max | 12.443 | 12.626 | 12.535 | 12.481 | 12.803 | 12.594 | 12.642 | 12.732 | 12.563 | 12.861 | 12.735 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

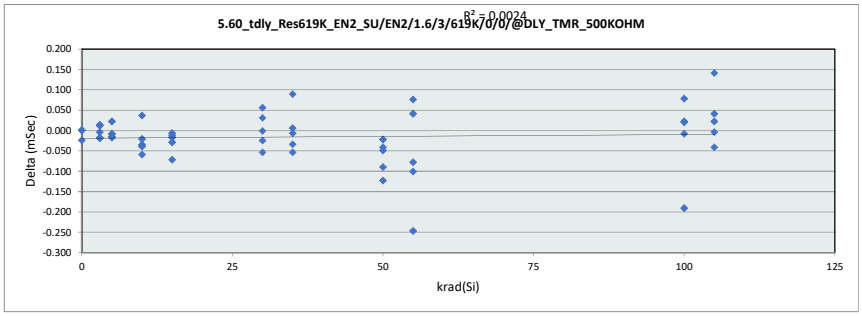


# TID HDR Report
# TPS7H3014-SP

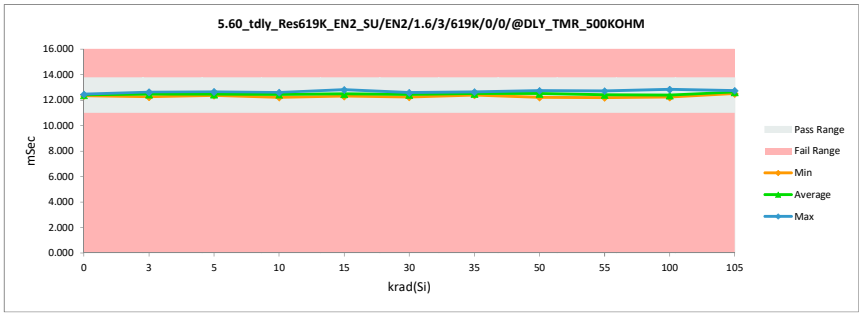
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.60_tdly_Res619K_EN2_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.435 | 12.437 | 0.002 |
| 0 | 14 | 12.465 | 12.466 | 0.001 |
| 0 | 15 | 12.366 | 12.343 | -0.023 |
| 3 | 20 | 12.548 | 12.563 | 0.015 |
| 3 | 21 | 12.655 | 12.638 | -0.017 |
| 3 | 22 | 12.572 | 12.585 | 0.013 |
| 3 | 23 | 12.271 | 12.253 | -0.018 |
| 3 | 24 | 12.274 | 12.271 | -0.003 |
| 5 | 25 | 12.452 | 12.475 | 0.023 |
| 5 | 26 | 12.673 | 12.666 | -0.007 |
| 5 | 27 | 12.391 | 12.375 | -0.016 |
| 5 | 28 | 12.408 | 12.400 | -0.008 |
| 5 | 29 | 12.421 | 12.406 | -0.015 |
| 10 | 30 | 12.506 | 12.486 | -0.020 |
| 10 | 31 | 12.635 | 12.577 | -0.058 |
| 10 | 32 | 12.432 | 12.394 | -0.038 |
| 10 | 33 | 12.640 | 12.606 | -0.034 |
| 10 | 34 | 12.177 | 12.215 | 0.038 |
| 15 | 35 | 12.319 | 12.313 | -0.006 |
| 15 | 36 | 12.334 | 12.318 | -0.016 |
| 15 | 37 | 12.709 | 12.638 | -0.071 |
| 15 | 38 | 12.842 | 12.814 | -0.028 |
| 15 | 39 | 12.392 | 12.380 | -0.012 |
| 30 | 40 | 12.624 | 12.571 | -0.053 |
| 30 | 41 | 12.341 | 12.373 | 0.032 |
| 30 | 42 | 12.446 | 12.446 | 0.000 |
| 30 | 43 | 12.620 | 12.596 | -0.024 |
| 30 | 44 | 12.180 | 12.237 | 0.057 |
| 35 | 45 | 12.533 | 12.500 | -0.033 |
| 35 | 46 | 12.703 | 12.650 | -0.053 |
| 35 | 47 | 12.393 | 12.400 | 0.007 |
| 35 | 48 | 12.519 | 12.513 | -0.006 |
| 35 | 49 | 12.455 | 12.545 | 0.090 |
| 50 | 50 | 12.751 | 12.629 | -0.122 |
| 50 | 51 | 12.483 | 12.462 | -0.021 |
| 50 | 52 | 12.586 | 12.497 | -0.089 |
| 50 | 53 | 12.805 | 12.757 | -0.048 |
| 50 | 54 | 12.261 | 12.221 | -0.040 |
| 55 | 55 | 12.210 | 12.287 | 0.077 |
| 55 | 56 | 12.583 | 12.337 | -0.246 |
| 55 | 57 | 12.685 | 12.727 | 0.042 |
| 55 | 58 | 12.301 | 12.201 | -0.100 |
| 55 | 59 | 12.683 | 12.606 | -0.077 |
| 100 | 60 | 12.419 | 12.229 | -0.190 |
| 100 | 61 | 12.253 | 12.274 | 0.021 |
| 100 | 62 | 12.763 | 12.842 | 0.079 |
| 100 | 63 | 12.313 | 12.306 | -0.007 |
| 100 | 64 | 12.271 | 12.294 | 0.023 |
| 105 | 65 | 12.512 | 12.509 | -0.003 |
| 105 | 66 | 12.790 | 12.750 | -0.040 |
| 105 | 67 | 12.577 | 12.600 | 0.023 |
| 105 | 68 | 12.496 | 12.538 | 0.042 |
| 105 | 69 | 12.612 | 12.754 | 0.142 |
| | Max | 12.842 | 12.842 | 0.142 |
| | Average | 12.492 | 12.477 | -0.015 |
| | Min | 12.177 | 12.201 | -0.246 |
| | Std Dev | 0.173 | 0.170 | 0.062 |




| | 5.60_tdly_Res619K_EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.343 | 12.253 | 12.375 | 12.215 | 12.313 | 12.237 | 12.400 | 12.221 | 12.201 | 12.229 | 12.509 |
| Average | 12.415 | 12.462 | 12.464 | 12.456 | 12.493 | 12.445 | 12.522 | 12.513 | 12.432 | 12.389 | 12.630 |
| Max | 12.466 | 12.638 | 12.666 | 12.606 | 12.814 | 12.596 | 12.650 | 12.757 | 12.727 | 12.842 | 12.754 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

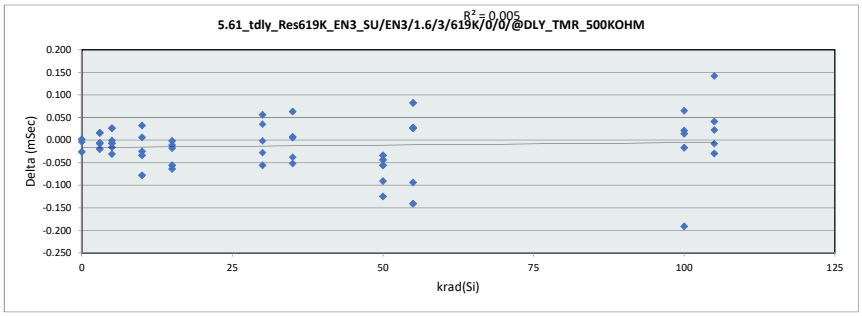


# TID HDR Report
# TPS7H3014-SP

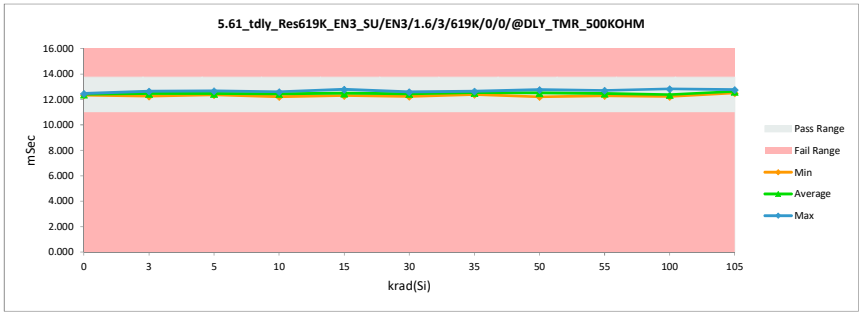
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.61_tdly_Res619K_EN3_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.437 | 12.434 | -0.003 |
| 0 | 14 | 12.463 | 12.466 | 0.003 |
| 0 | 15 | 12.369 | 12.344 | -0.025 |
| 3 | 20 | 12.551 | 12.568 | 0.017 |
| 3 | 21 | 12.655 | 12.650 | -0.005 |
| 3 | 22 | 12.571 | 12.588 | 0.017 |
| 3 | 23 | 12.274 | 12.255 | -0.019 |
| 3 | 24 | 12.277 | 12.270 | -0.007 |
| 5 | 25 | 12.454 | 12.481 | 0.027 |
| 5 | 26 | 12.675 | 12.669 | -0.006 |
| 5 | 27 | 12.392 | 12.377 | -0.015 |
| 5 | 28 | 12.408 | 12.408 | 0.000 |
| 5 | 29 | 12.423 | 12.393 | -0.030 |
| 10 | 30 | 12.483 | 12.490 | 0.007 |
| 10 | 31 | 12.635 | 12.558 | -0.077 |
| 10 | 32 | 12.433 | 12.409 | -0.024 |
| 10 | 33 | 12.644 | 12.611 | -0.033 |
| 10 | 34 | 12.185 | 12.218 | 0.033 |
| 15 | 35 | 12.318 | 12.308 | -0.010 |
| 15 | 36 | 12.336 | 12.319 | -0.017 |
| 15 | 37 | 12.711 | 12.648 | -0.063 |
| 15 | 38 | 12.846 | 12.791 | -0.055 |
| 15 | 39 | 12.395 | 12.394 | -0.001 |
| 30 | 40 | 12.631 | 12.576 | -0.055 |
| 30 | 41 | 12.340 | 12.376 | 0.036 |
| 30 | 42 | 12.449 | 12.448 | -0.001 |
| 30 | 43 | 12.623 | 12.596 | -0.027 |
| 30 | 44 | 12.182 | 12.239 | 0.057 |
| 35 | 45 | 12.539 | 12.502 | -0.037 |
| 35 | 46 | 12.704 | 12.653 | -0.051 |
| 35 | 47 | 12.394 | 12.400 | 0.006 |
| 35 | 48 | 12.518 | 12.526 | 0.008 |
| 35 | 49 | 12.484 | 12.548 | 0.064 |
| 50 | 50 | 12.754 | 12.630 | -0.124 |
| 50 | 51 | 12.484 | 12.451 | -0.033 |
| 50 | 52 | 12.587 | 12.497 | -0.090 |
| 50 | 53 | 12.808 | 12.765 | -0.043 |
| 50 | 54 | 12.264 | 12.209 | -0.055 |
| 55 | 55 | 12.211 | 12.294 | 0.083 |
| 55 | 56 | 12.584 | 12.444 | -0.140 |
| 55 | 57 | 12.690 | 12.719 | 0.029 |
| 55 | 58 | 12.301 | 12.328 | 0.027 |
| 55 | 59 | 12.700 | 12.607 | -0.093 |
| 100 | 60 | 12.425 | 12.235 | -0.190 |
| 100 | 61 | 12.256 | 12.278 | 0.022 |
| 100 | 62 | 12.766 | 12.832 | 0.066 |
| 100 | 63 | 12.314 | 12.298 | -0.016 |
| 100 | 64 | 12.273 | 12.288 | 0.015 |
| 105 | 65 | 12.515 | 12.508 | -0.007 |
| 105 | 66 | 12.793 | 12.764 | -0.029 |
| 105 | 67 | 12.581 | 12.604 | 0.023 |
| 105 | 68 | 12.496 | 12.538 | 0.042 |
| 105 | 69 | 12.614 | 12.757 | 0.143 |
| | Max | 12.846 | 12.832 | 0.143 |
| | Average | 12.495 | 12.482 | -0.012 |
| | Min | 12.182 | 12.209 | -0.190 |
| | Std Dev | 0.173 | 0.166 | 0.055 |




| | 5.61_tdly_Res619K_EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.344 | 12.255 | 12.377 | 12.218 | 12.308 | 12.239 | 12.400 | 12.209 | 12.294 | 12.235 | 12.508 |
| Average | 12.415 | 12.466 | 12.466 | 12.457 | 12.492 | 12.447 | 12.526 | 12.510 | 12.478 | 12.386 | 12.634 |
| Max | 12.466 | 12.650 | 12.669 | 12.611 | 12.791 | 12.596 | 12.653 | 12.765 | 12.719 | 12.832 | 12.764 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

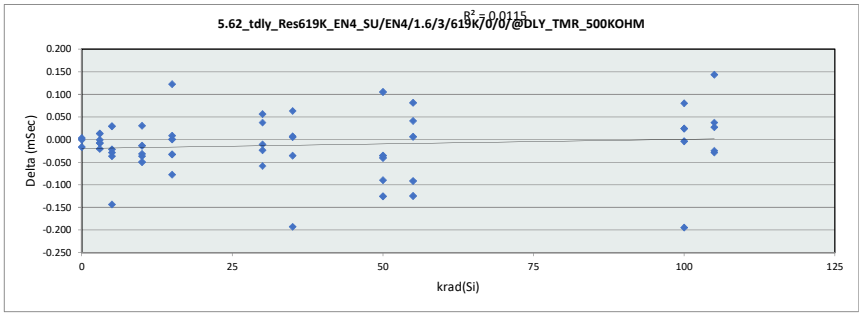


# TID HDR Report
# TPS7H3014-SP

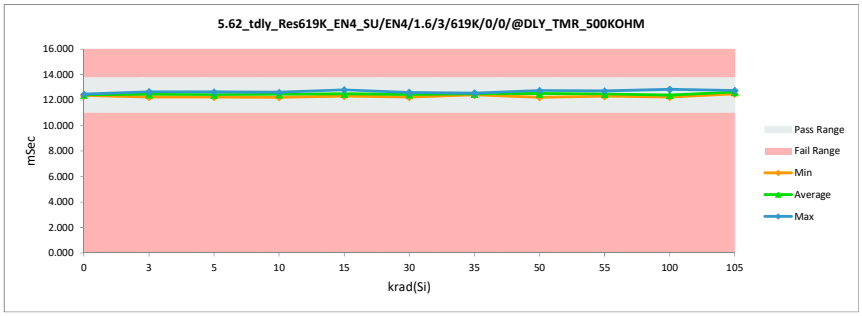
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.62_tdly_Res619K_EN4_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.434 | 12.438 | 0.004 |
| 0 | 14 | 12.467 | 12.467 | 0.000 |
| 0 | 15 | 12.369 | 12.353 | -0.016 |
| 3 | 20 | 12.554 | 12.568 | 0.014 |
| 3 | 21 | 12.657 | 12.650 | -0.007 |
| 3 | 22 | 12.577 | 12.570 | -0.007 |
| 3 | 23 | 12.274 | 12.254 | -0.020 |
| 3 | 24 | 12.278 | 12.278 | 0.000 |
| 5 | 25 | 12.455 | 12.485 | 0.030 |
| 5 | 26 | 12.676 | 12.640 | -0.036 |
| 5 | 27 | 12.394 | 12.251 | -0.143 |
| 5 | 28 | 12.404 | 12.383 | -0.021 |
| 5 | 29 | 12.424 | 12.396 | -0.028 |
| 10 | 30 | 12.510 | 12.497 | -0.013 |
| 10 | 31 | 12.629 | 12.580 | -0.049 |
| 10 | 32 | 12.435 | 12.399 | -0.036 |
| 10 | 33 | 12.643 | 12.612 | -0.031 |
| 10 | 34 | 12.188 | 12.219 | 0.031 |
| 15 | 35 | 12.307 | 12.316 | 0.009 |
| 15 | 36 | 12.200 | 12.323 | 0.123 |
| 15 | 37 | 12.715 | 12.638 | -0.077 |
| 15 | 38 | 12.846 | 12.814 | -0.032 |
| 15 | 39 | 12.394 | 12.395 | 0.001 |
| 30 | 40 | 12.633 | 12.575 | -0.058 |
| 30 | 41 | 12.342 | 12.380 | 0.038 |
| 30 | 42 | 12.449 | 12.439 | -0.010 |
| 30 | 43 | 12.623 | 12.600 | -0.023 |
| 30 | 44 | 12.183 | 12.240 | 0.057 |
| 35 | 45 | 12.539 | 12.504 | -0.035 |
| 35 | 46 | 12.707 | 12.515 | -0.192 |
| 35 | 47 | 12.396 | 12.404 | 0.008 |
| 35 | 48 | 12.521 | 12.527 | 0.006 |
| 35 | 49 | 12.485 | 12.549 | 0.064 |
| 50 | 50 | 12.757 | 12.632 | -0.125 |
| 50 | 51 | 12.487 | 12.452 | -0.035 |
| 50 | 52 | 12.588 | 12.499 | -0.089 |
| 50 | 53 | 12.660 | 12.766 | 0.106 |
| 50 | 54 | 12.263 | 12.223 | -0.040 |
| 55 | 55 | 12.216 | 12.298 | 0.082 |
| 55 | 56 | 12.586 | 12.462 | -0.124 |
| 55 | 57 | 12.685 | 12.727 | 0.042 |
| 55 | 58 | 12.304 | 12.311 | 0.007 |
| 55 | 59 | 12.702 | 12.611 | -0.091 |
| 100 | 60 | 12.430 | 12.236 | -0.194 |
| 100 | 61 | 12.257 | 12.282 | 0.025 |
| 100 | 62 | 12.766 | 12.847 | 0.081 |
| 100 | 63 | 12.316 | 12.313 | -0.003 |
| 100 | 64 | 12.274 | 12.299 | 0.025 |
| 105 | 65 | 12.516 | 12.492 | -0.024 |
| 105 | 66 | 12.795 | 12.767 | -0.028 |
| 105 | 67 | 12.578 | 12.606 | 0.028 |
| 105 | 68 | 12.500 | 12.538 | 0.038 |
| 105 | 69 | 12.617 | 12.761 | 0.144 |
| | Max | 12.846 | 12.847 | 0.144 |
| | Average | 12.491 | 12.479 | -0.012 |
| | Min | 12.183 | 12.219 | -0.194 |
| | Std Dev | 0.173 | 0.166 | 0.067 |




| | 5.62_tdly_Res619K_EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.353 | 12.254 | 12.251 | 12.219 | 12.316 | 12.240 | 12.404 | 12.223 | 12.298 | 12.236 | 12.492 |
| Average | 12.419 | 12.464 | 12.431 | 12.461 | 12.497 | 12.447 | 12.500 | 12.514 | 12.482 | 12.395 | 12.633 |
| Max | 12.467 | 12.650 | 12.640 | 12.612 | 12.814 | 12.600 | 12.549 | 12.766 | 12.727 | 12.847 | 12.767 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

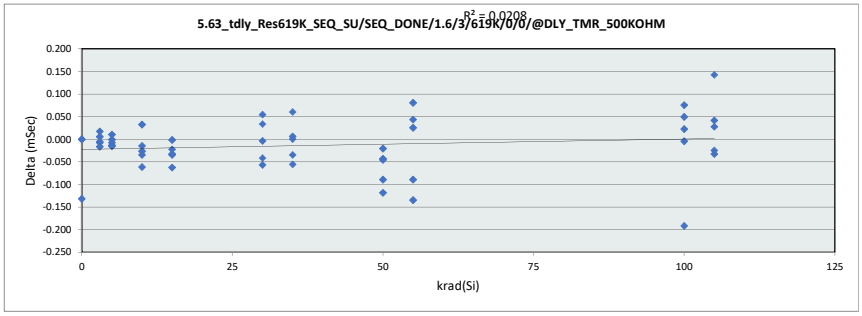


# TID HDR Report
# TPS7H3014-SP

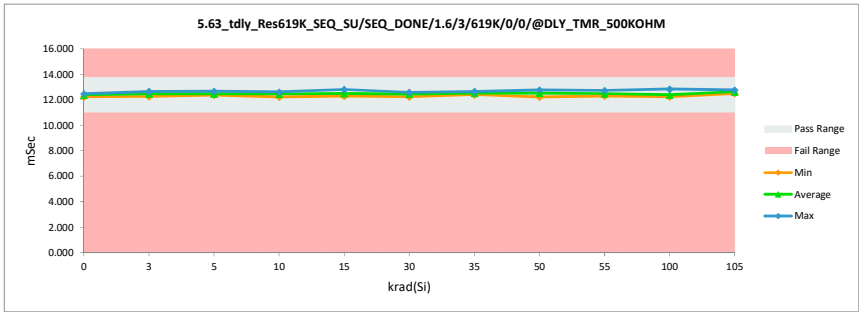
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.63_tdly_Res619K_SEQ_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.437 | 12.438 | 0.001 |
| 0 | 14 | 12.470 | 12.470 | 0.000 |
| 0 | 15 | 12.372 | 12.241 | -0.131 |
| 3 | 20 | 12.553 | 12.571 | 0.018 |
| 3 | 21 | 12.658 | 12.653 | -0.005 |
| 3 | 22 | 12.576 | 12.569 | -0.007 |
| 3 | 23 | 12.275 | 12.259 | -0.016 |
| 3 | 24 | 12.273 | 12.279 | 0.006 |
| 5 | 25 | 12.458 | 12.469 | 0.011 |
| 5 | 26 | 12.678 | 12.671 | -0.007 |
| 5 | 27 | 12.395 | 12.382 | -0.013 |
| 5 | 28 | 12.411 | 12.411 | 0.000 |
| 5 | 29 | 12.426 | 12.411 | -0.015 |
| 10 | 30 | 12.510 | 12.496 | -0.014 |
| 10 | 31 | 12.638 | 12.577 | -0.061 |
| 10 | 32 | 12.436 | 12.410 | -0.026 |
| 10 | 33 | 12.645 | 12.611 | -0.034 |
| 10 | 34 | 12.187 | 12.220 | 0.033 |
| 15 | 35 | 12.322 | 12.300 | -0.022 |
| 15 | 36 | 12.338 | 12.304 | -0.034 |
| 15 | 37 | 12.714 | 12.652 | -0.062 |
| 15 | 38 | 12.848 | 12.816 | -0.032 |
| 15 | 39 | 12.397 | 12.396 | -0.001 |
| 30 | 40 | 12.634 | 12.578 | -0.056 |
| 30 | 41 | 12.342 | 12.376 | 0.034 |
| 30 | 42 | 12.452 | 12.449 | -0.003 |
| 30 | 43 | 12.626 | 12.585 | -0.041 |
| 30 | 44 | 12.186 | 12.241 | 0.055 |
| 35 | 45 | 12.540 | 12.506 | -0.034 |
| 35 | 46 | 12.709 | 12.654 | -0.055 |
| 35 | 47 | 12.398 | 12.405 | 0.007 |
| 35 | 48 | 12.523 | 12.524 | 0.001 |
| 35 | 49 | 12.487 | 12.548 | 0.061 |
| 50 | 50 | 12.751 | 12.633 | -0.118 |
| 50 | 51 | 12.487 | 12.467 | -0.020 |
| 50 | 52 | 12.590 | 12.501 | -0.089 |
| 50 | 53 | 12.810 | 12.767 | -0.043 |
| 50 | 54 | 12.267 | 12.222 | -0.045 |
| 55 | 55 | 12.215 | 12.296 | 0.081 |
| 55 | 56 | 12.588 | 12.454 | -0.134 |
| 55 | 57 | 12.689 | 12.733 | 0.044 |
| 55 | 58 | 12.305 | 12.331 | 0.026 |
| 55 | 59 | 12.703 | 12.614 | -0.089 |
| 100 | 60 | 12.428 | 12.237 | -0.191 |
| 100 | 61 | 12.230 | 12.280 | 0.050 |
| 100 | 62 | 12.767 | 12.843 | 0.076 |
| 100 | 63 | 12.317 | 12.313 | -0.004 |
| 100 | 64 | 12.275 | 12.298 | 0.023 |
| 105 | 65 | 12.518 | 12.494 | -0.024 |
| 105 | 66 | 12.798 | 12.766 | -0.032 |
| 105 | 67 | 12.579 | 12.607 | 0.028 |
| 105 | 68 | 12.500 | 12.542 | 0.042 |
| 105 | 69 | 12.617 | 12.760 | 0.143 |
| | Max | 12.848 | 12.843 | 0.143 |
| | Average | 12.497 | 12.484 | -0.014 |
| | Min | 12.186 | 12.220 | -0.191 |
| | Std Dev | 0.174 | 0.169 | 0.057 |




| | 5.63_tdly_Res619K_SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.241 | 12.259 | 12.382 | 12.220 | 12.300 | 12.241 | 12.405 | 12.222 | 12.296 | 12.237 | 12.494 |
| Average | 12.383 | 12.466 | 12.469 | 12.463 | 12.494 | 12.446 | 12.527 | 12.518 | 12.486 | 12.394 | 12.634 |
| Max | 12.470 | 12.653 | 12.671 | 12.611 | 12.816 | 12.585 | 12.654 | 12.767 | 12.733 | 12.843 | 12.766 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

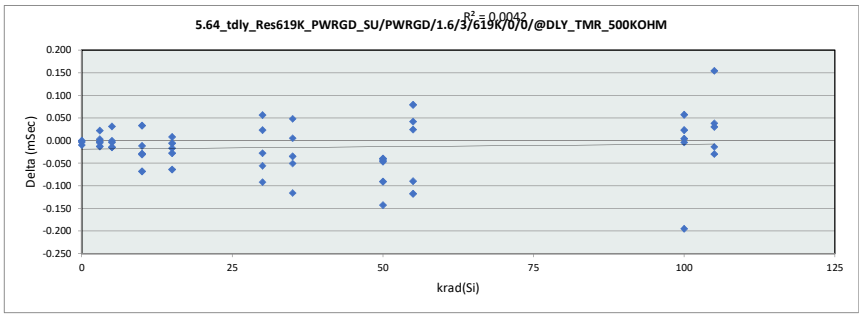


# TID HDR Report
# TPS7H3014-SP

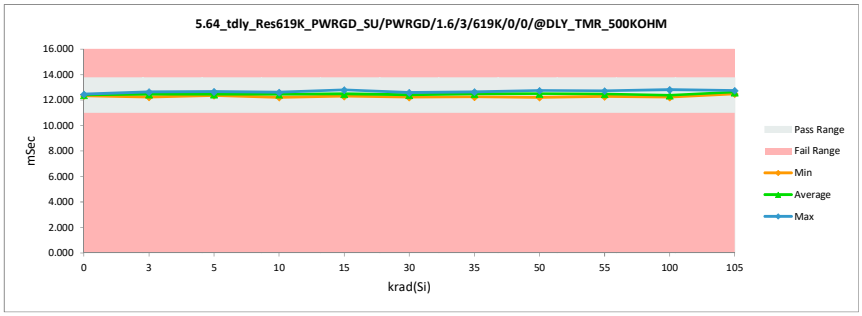
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.64_tdly_Res619K_PWRG | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.434 | 12.432 | -0.002 |
| 0 | 14 | 12.464 | 12.465 | 0.001 |
| 0 | 15 | 12.364 | 12.355 | -0.009 |
| 3 | 20 | 12.542 | 12.565 | 0.023 |
| 3 | 21 | 12.652 | 12.648 | -0.004 |
| 3 | 22 | 12.571 | 12.575 | 0.004 |
| 3 | 23 | 12.265 | 12.253 | -0.012 |
| 3 | 24 | 12.275 | 12.274 | -0.001 |
| 5 | 25 | 12.451 | 12.483 | 0.032 |
| 5 | 26 | 12.671 | 12.668 | -0.003 |
| 5 | 27 | 12.390 | 12.376 | -0.014 |
| 5 | 28 | 12.404 | 12.404 | 0.000 |
| 5 | 29 | 12.419 | 12.405 | -0.014 |
| 10 | 30 | 12.504 | 12.493 | -0.011 |
| 10 | 31 | 12.633 | 12.566 | -0.067 |
| 10 | 32 | 12.432 | 12.404 | -0.028 |
| 10 | 33 | 12.638 | 12.608 | -0.030 |
| 10 | 34 | 12.182 | 12.216 | 0.034 |
| 15 | 35 | 12.316 | 12.311 | -0.005 |
| 15 | 36 | 12.334 | 12.318 | -0.016 |
| 15 | 37 | 12.709 | 12.646 | -0.063 |
| 15 | 38 | 12.838 | 12.811 | -0.027 |
| 15 | 39 | 12.383 | 12.392 | 0.009 |
| 30 | 40 | 12.629 | 12.574 | -0.055 |
| 30 | 41 | 12.336 | 12.245 | -0.091 |
| 30 | 42 | 12.419 | 12.443 | 0.024 |
| 30 | 43 | 12.621 | 12.594 | -0.027 |
| 30 | 44 | 12.179 | 12.236 | 0.057 |
| 35 | 45 | 12.533 | 12.499 | -0.034 |
| 35 | 46 | 12.701 | 12.651 | -0.050 |
| 35 | 47 | 12.381 | 12.266 | -0.115 |
| 35 | 48 | 12.517 | 12.523 | 0.006 |
| 35 | 49 | 12.482 | 12.531 | 0.049 |
| 50 | 50 | 12.751 | 12.609 | -0.142 |
| 50 | 51 | 12.483 | 12.444 | -0.039 |
| 50 | 52 | 12.584 | 12.494 | -0.090 |
| 50 | 53 | 12.803 | 12.761 | -0.042 |
| 50 | 54 | 12.262 | 12.216 | -0.046 |
| 55 | 55 | 12.210 | 12.290 | 0.080 |
| 55 | 56 | 12.580 | 12.463 | -0.117 |
| 55 | 57 | 12.684 | 12.727 | 0.043 |
| 55 | 58 | 12.299 | 12.324 | 0.025 |
| 55 | 59 | 12.695 | 12.606 | -0.089 |
| 100 | 60 | 12.425 | 12.231 | -0.194 |
| 100 | 61 | 12.253 | 12.277 | 0.024 |
| 100 | 62 | 12.762 | 12.820 | 0.058 |
| 100 | 63 | 12.312 | 12.309 | -0.003 |
| 100 | 64 | 12.272 | 12.277 | 0.005 |
| 105 | 65 | 12.513 | 12.500 | -0.013 |
| 105 | 66 | 12.792 | 12.763 | -0.029 |
| 105 | 67 | 12.571 | 12.602 | 0.031 |
| 105 | 68 | 12.496 | 12.535 | 0.039 |
| 105 | 69 | 12.599 | 12.754 | 0.155 |
| | Max | 12.838 | 12.820 | 0.155 |
| | Average | 12.491 | 12.476 | -0.015 |
| | Min | 12.179 | 12.216 | -0.194 |
| | Std Dev | 0.173 | 0.170 | 0.057 |




| | 5.64_tdly_Res619K_PWR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.355 | 12.253 | 12.376 | 12.216 | 12.311 | 12.236 | 12.266 | 12.216 | 12.290 | 12.231 | 12.500 |
| Average | 12.417 | 12.463 | 12.467 | 12.457 | 12.496 | 12.418 | 12.494 | 12.505 | 12.482 | 12.383 | 12.631 |
| Max | 12.465 | 12.648 | 12.668 | 12.608 | 12.811 | 12.594 | 12.651 | 12.761 | 12.727 | 12.820 | 12.763 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

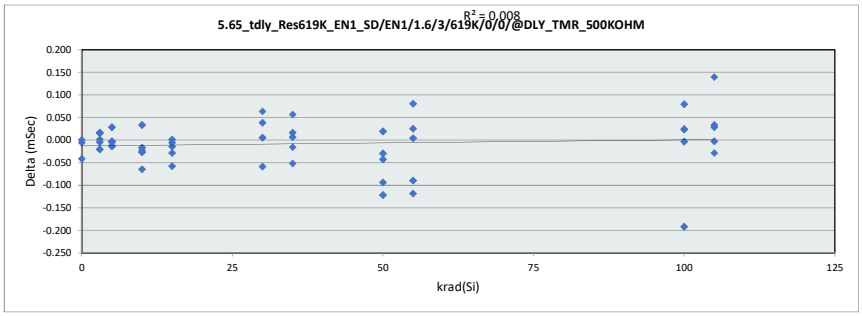


# TID HDR Report
# TPS7H3014-SP

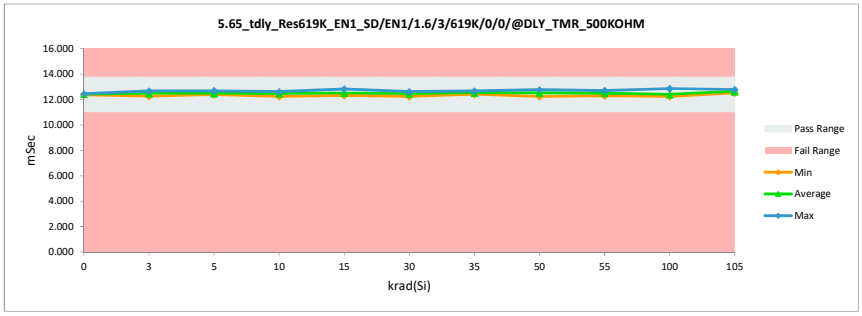
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.65_tdly_Res619K_EN1_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.448 | 12.449 | 0.001 |
| 0 | 14 | 12.478 | 12.437 | -0.041 |
| 0 | 15 | 12.380 | 12.375 | -0.005 |
| 3 | 20 | 12.563 | 12.580 | 0.017 |
| 3 | 21 | 12.665 | 12.661 | -0.004 |
| 3 | 22 | 12.585 | 12.601 | 0.016 |
| 3 | 23 | 12.283 | 12.263 | -0.020 |
| 3 | 24 | 12.287 | 12.289 | 0.002 |
| 5 | 25 | 12.466 | 12.495 | 0.029 |
| 5 | 26 | 12.686 | 12.682 | -0.004 |
| 5 | 27 | 12.404 | 12.391 | -0.013 |
| 5 | 28 | 12.421 | 12.419 | -0.002 |
| 5 | 29 | 12.434 | 12.421 | -0.013 |
| 10 | 30 | 12.518 | 12.502 | -0.016 |
| 10 | 31 | 12.648 | 12.584 | -0.064 |
| 10 | 32 | 12.445 | 12.422 | -0.023 |
| 10 | 33 | 12.637 | 12.611 | -0.026 |
| 10 | 34 | 12.195 | 12.229 | 0.034 |
| 15 | 35 | 12.332 | 12.327 | -0.005 |
| 15 | 36 | 12.347 | 12.333 | -0.014 |
| 15 | 37 | 12.722 | 12.665 | -0.057 |
| 15 | 38 | 12.854 | 12.826 | -0.028 |
| 15 | 39 | 12.404 | 12.406 | 0.002 |
| 30 | 40 | 12.645 | 12.587 | -0.058 |
| 30 | 41 | 12.352 | 12.391 | 0.039 |
| 30 | 42 | 12.453 | 12.459 | 0.006 |
| 30 | 43 | 12.605 | 12.611 | 0.006 |
| 30 | 44 | 12.186 | 12.250 | 0.064 |
| 35 | 45 | 12.514 | 12.499 | -0.015 |
| 35 | 46 | 12.715 | 12.664 | -0.051 |
| 35 | 47 | 12.407 | 12.414 | 0.007 |
| 35 | 48 | 12.519 | 12.536 | 0.017 |
| 35 | 49 | 12.495 | 12.552 | 0.057 |
| 50 | 50 | 12.764 | 12.643 | -0.121 |
| 50 | 51 | 12.458 | 12.478 | 0.020 |
| 50 | 52 | 12.600 | 12.507 | -0.093 |
| 50 | 53 | 12.818 | 12.776 | -0.042 |
| 50 | 54 | 12.262 | 12.233 | -0.029 |
| 55 | 55 | 12.223 | 12.304 | 0.081 |
| 55 | 56 | 12.597 | 12.479 | -0.118 |
| 55 | 57 | 12.698 | 12.703 | 0.005 |
| 55 | 58 | 12.315 | 12.341 | 0.026 |
| 55 | 59 | 12.711 | 12.622 | -0.089 |
| 100 | 60 | 12.438 | 12.247 | -0.191 |
| 100 | 61 | 12.266 | 12.290 | 0.024 |
| 100 | 62 | 12.777 | 12.857 | 0.080 |
| 100 | 63 | 12.327 | 12.324 | -0.003 |
| 100 | 64 | 12.282 | 12.307 | 0.025 |
| 105 | 65 | 12.526 | 12.524 | -0.002 |
| 105 | 66 | 12.805 | 12.777 | -0.028 |
| 105 | 67 | 12.588 | 12.617 | 0.029 |
| 105 | 68 | 12.508 | 12.542 | 0.034 |
| 105 | 69 | 12.624 | 12.764 | 0.140 |
| | Max | 12.854 | 12.857 | 0.140 |
| | Average | 12.503 | 12.496 | -0.008 |
| | Min | 12.186 | 12.229 | -0.191 |
| | Std Dev | 0.173 | 0.165 | 0.054 |




| | 5.65_tdly_Res619K_EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.375 | 12.263 | 12.391 | 12.229 | 12.327 | 12.250 | 12.414 | 12.233 | 12.304 | 12.247 | 12.524 |
| Average | 12.420 | 12.479 | 12.482 | 12.470 | 12.511 | 12.460 | 12.533 | 12.527 | 12.490 | 12.405 | 12.645 |
| Max | 12.449 | 12.661 | 12.682 | 12.611 | 12.826 | 12.611 | 12.664 | 12.776 | 12.703 | 12.857 | 12.777 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

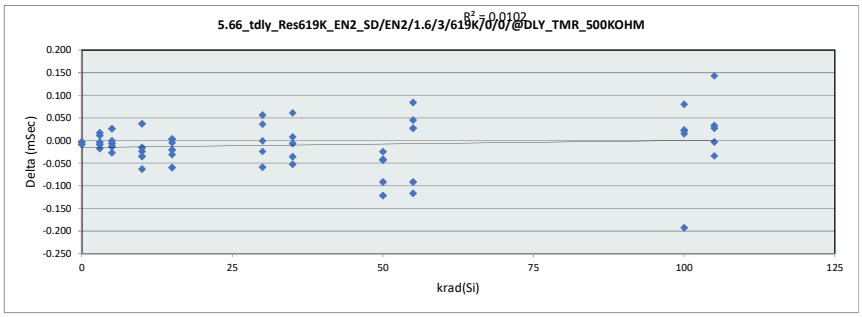


# TID HDR Report
# TPS7H3014-SP

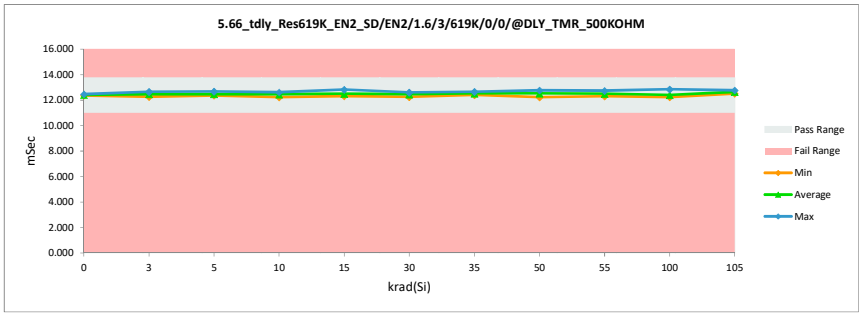
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.66_tdly_Res619K_EN2_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.447 | 12.439 | -0.008 |
| 0 | 14 | 12.479 | 12.477 | -0.002 |
| 0 | 15 | 12.380 | 12.376 | -0.004 |
| 3 | 20 | 12.561 | 12.579 | 0.018 |
| 3 | 21 | 12.665 | 12.662 | -0.003 |
| 3 | 22 | 12.587 | 12.599 | 0.012 |
| 3 | 23 | 12.285 | 12.268 | -0.017 |
| 3 | 24 | 12.288 | 12.280 | -0.008 |
| 5 | 25 | 12.466 | 12.493 | 0.027 |
| 5 | 26 | 12.687 | 12.681 | -0.006 |
| 5 | 27 | 12.402 | 12.376 | -0.026 |
| 5 | 28 | 12.418 | 12.418 | 0.000 |
| 5 | 29 | 12.433 | 12.420 | -0.013 |
| 10 | 30 | 12.517 | 12.502 | -0.015 |
| 10 | 31 | 12.647 | 12.585 | -0.062 |
| 10 | 32 | 12.444 | 12.421 | -0.023 |
| 10 | 33 | 12.652 | 12.618 | -0.034 |
| 10 | 34 | 12.193 | 12.231 | 0.038 |
| 15 | 35 | 12.330 | 12.326 | -0.004 |
| 15 | 36 | 12.343 | 12.323 | -0.020 |
| 15 | 37 | 12.723 | 12.664 | -0.059 |
| 15 | 38 | 12.856 | 12.826 | -0.030 |
| 15 | 39 | 12.403 | 12.407 | 0.004 |
| 30 | 40 | 12.644 | 12.586 | -0.058 |
| 30 | 41 | 12.352 | 12.389 | 0.037 |
| 30 | 42 | 12.461 | 12.461 | 0.000 |
| 30 | 43 | 12.633 | 12.610 | -0.023 |
| 30 | 44 | 12.193 | 12.250 | 0.057 |
| 35 | 45 | 12.548 | 12.513 | -0.035 |
| 35 | 46 | 12.715 | 12.663 | -0.052 |
| 35 | 47 | 12.404 | 12.413 | 0.009 |
| 35 | 48 | 12.531 | 12.525 | -0.006 |
| 35 | 49 | 12.496 | 12.558 | 0.062 |
| 50 | 50 | 12.764 | 12.643 | -0.121 |
| 50 | 51 | 12.496 | 12.472 | -0.024 |
| 50 | 52 | 12.599 | 12.508 | -0.091 |
| 50 | 53 | 12.818 | 12.776 | -0.042 |
| 50 | 54 | 12.275 | 12.234 | -0.041 |
| 55 | 55 | 12.222 | 12.307 | 0.085 |
| 55 | 56 | 12.595 | 12.479 | -0.116 |
| 55 | 57 | 12.697 | 12.743 | 0.046 |
| 55 | 58 | 12.312 | 12.340 | 0.028 |
| 55 | 59 | 12.713 | 12.622 | -0.091 |
| 100 | 60 | 12.438 | 12.246 | -0.192 |
| 100 | 61 | 12.268 | 12.290 | 0.022 |
| 100 | 62 | 12.777 | 12.858 | 0.081 |
| 100 | 63 | 12.306 | 12.322 | 0.016 |
| 100 | 64 | 12.285 | 12.309 | 0.024 |
| 105 | 65 | 12.526 | 12.524 | -0.002 |
| 105 | 66 | 12.807 | 12.774 | -0.033 |
| 105 | 67 | 12.589 | 12.617 | 0.028 |
| 105 | 68 | 12.510 | 12.544 | 0.034 |
| 105 | 69 | 12.626 | 12.770 | 0.144 |
| | Max | 12.856 | 12.858 | 0.144 |
| | Average | 12.506 | 12.497 | -0.009 |
| | Min | 12.193 | 12.231 | -0.192 |
| | Std Dev | 0.174 | 0.166 | 0.054 |




| | 5.66_tdly_Res619K_EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.376 | 12.268 | 12.376 | 12.231 | 12.323 | 12.250 | 12.413 | 12.234 | 12.307 | 12.246 | 12.524 |
| Average | 12.431 | 12.478 | 12.478 | 12.471 | 12.509 | 12.459 | 12.534 | 12.527 | 12.498 | 12.405 | 12.646 |
| Max | 12.477 | 12.662 | 12.681 | 12.618 | 12.826 | 12.610 | 12.663 | 12.776 | 12.743 | 12.858 | 12.774 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

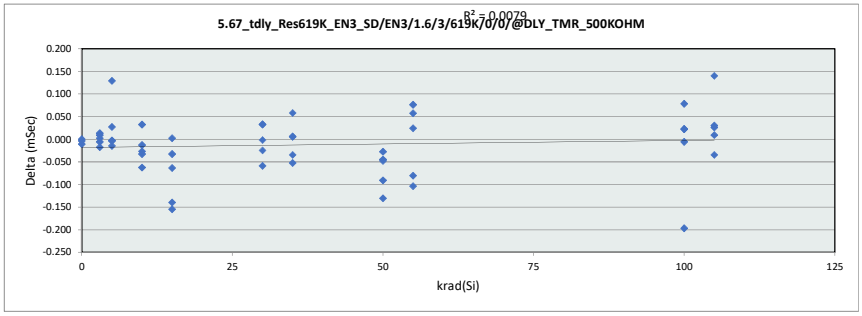


# TID HDR Report
# TPS7H3014-SP

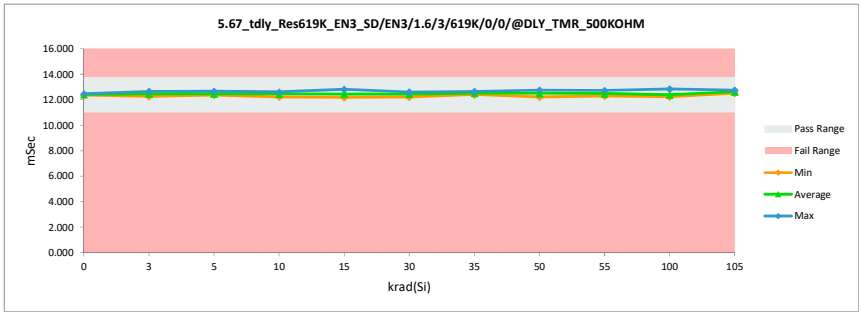
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.67_tdly_Res619K_EN3_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.443 | 12.440 | -0.003 |
| 0 | 14 | 12.471 | 12.472 | 0.001 |
| 0 | 15 | 12.373 | 12.363 | -0.010 |
| 3 | 20 | 12.557 | 12.571 | 0.014 |
| 3 | 21 | 12.661 | 12.656 | -0.005 |
| 3 | 22 | 12.581 | 12.591 | 0.010 |
| 3 | 23 | 12.278 | 12.261 | -0.017 |
| 3 | 24 | 12.281 | 12.284 | 0.003 |
| 5 | 25 | 12.461 | 12.489 | 0.028 |
| 5 | 26 | 12.680 | 12.677 | -0.003 |
| 5 | 27 | 12.244 | 12.374 | 0.130 |
| 5 | 28 | 12.414 | 12.412 | -0.002 |
| 5 | 29 | 12.428 | 12.414 | -0.014 |
| 10 | 30 | 12.513 | 12.501 | -0.012 |
| 10 | 31 | 12.640 | 12.578 | -0.062 |
| 10 | 32 | 12.437 | 12.411 | -0.026 |
| 10 | 33 | 12.646 | 12.614 | -0.032 |
| 10 | 34 | 12.190 | 12.223 | 0.033 |
| 15 | 35 | 12.326 | 12.187 | -0.139 |
| 15 | 36 | 12.338 | 12.184 | -0.154 |
| 15 | 37 | 12.718 | 12.655 | -0.063 |
| 15 | 38 | 12.850 | 12.818 | -0.032 |
| 15 | 39 | 12.398 | 12.401 | 0.003 |
| 30 | 40 | 12.639 | 12.581 | -0.058 |
| 30 | 41 | 12.346 | 12.379 | 0.033 |
| 30 | 42 | 12.455 | 12.454 | -0.001 |
| 30 | 43 | 12.629 | 12.605 | -0.024 |
| 30 | 44 | 12.186 | 12.220 | 0.034 |
| 35 | 45 | 12.542 | 12.508 | -0.034 |
| 35 | 46 | 12.710 | 12.658 | -0.052 |
| 35 | 47 | 12.401 | 12.408 | 0.007 |
| 35 | 48 | 12.527 | 12.533 | 0.006 |
| 35 | 49 | 12.492 | 12.551 | 0.059 |
| 50 | 50 | 12.759 | 12.629 | -0.130 |
| 50 | 51 | 12.491 | 12.464 | -0.027 |
| 50 | 52 | 12.593 | 12.503 | -0.090 |
| 50 | 53 | 12.813 | 12.769 | -0.044 |
| 50 | 54 | 12.270 | 12.223 | -0.047 |
| 55 | 55 | 12.219 | 12.296 | 0.077 |
| 55 | 56 | 12.576 | 12.473 | -0.103 |
| 55 | 57 | 12.678 | 12.736 | 0.058 |
| 55 | 58 | 12.308 | 12.333 | 0.025 |
| 55 | 59 | 12.695 | 12.615 | -0.080 |
| 100 | 60 | 12.435 | 12.239 | -0.196 |
| 100 | 61 | 12.261 | 12.284 | 0.023 |
| 100 | 62 | 12.771 | 12.850 | 0.079 |
| 100 | 63 | 12.321 | 12.316 | -0.005 |
| 100 | 64 | 12.277 | 12.300 | 0.023 |
| 105 | 65 | 12.507 | 12.517 | 0.010 |
| 105 | 66 | 12.802 | 12.768 | -0.034 |
| 105 | 67 | 12.583 | 12.610 | 0.027 |
| 105 | 68 | 12.505 | 12.536 | 0.031 |
| 105 | 69 | 12.621 | 12.762 | 0.141 |
| | Max | 12.850 | 12.850 | 0.141 |
| | Average | 12.497 | 12.485 | -0.012 |
| | Min | 12.186 | 12.184 | -0.196 |
| | Std Dev | 0.176 | 0.174 | 0.063 |




| | 5.67_tdly_Res619K_EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.363 | 12.261 | 12.374 | 12.223 | 12.184 | 12.220 | 12.408 | 12.223 | 12.296 | 12.239 | 12.517 |
| Average | 12.425 | 12.473 | 12.473 | 12.465 | 12.449 | 12.448 | 12.532 | 12.518 | 12.491 | 12.398 | 12.639 |
| Max | 12.472 | 12.656 | 12.677 | 12.614 | 12.818 | 12.605 | 12.658 | 12.769 | 12.736 | 12.850 | 12.768 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

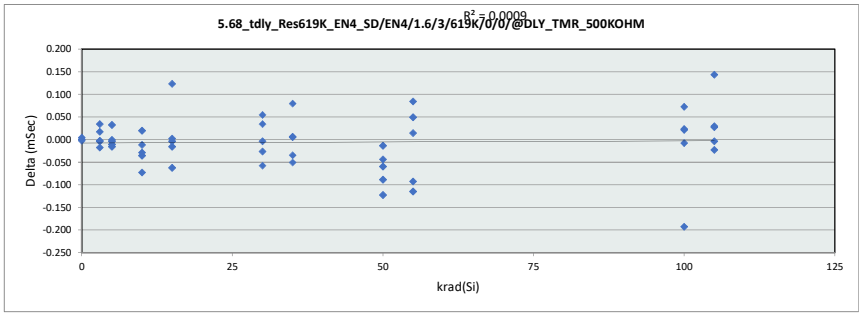


# TID HDR Report
# TPS7H3014-SP

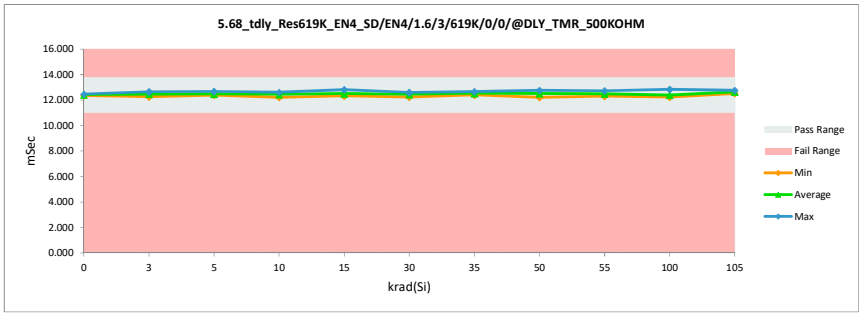
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.68_tdly_Res619K_EN4_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.448 | 12.446 | -0.002 |
| 0 | 14 | 12.478 | 12.479 | 0.001 |
| 0 | 15 | 12.370 | 12.375 | 0.005 |
| 3 | 20 | 12.561 | 12.579 | 0.018 |
| 3 | 21 | 12.664 | 12.662 | -0.002 |
| 3 | 22 | 12.564 | 12.599 | 0.035 |
| 3 | 23 | 12.284 | 12.267 | -0.017 |
| 3 | 24 | 12.288 | 12.285 | -0.003 |
| 5 | 25 | 12.464 | 12.497 | 0.033 |
| 5 | 26 | 12.684 | 12.681 | -0.003 |
| 5 | 27 | 12.401 | 12.391 | -0.010 |
| 5 | 28 | 12.418 | 12.418 | 0.000 |
| 5 | 29 | 12.434 | 12.419 | -0.015 |
| 10 | 30 | 12.518 | 12.507 | -0.011 |
| 10 | 31 | 12.647 | 12.575 | -0.072 |
| 10 | 32 | 12.445 | 12.417 | -0.028 |
| 10 | 33 | 12.653 | 12.618 | -0.035 |
| 10 | 34 | 12.194 | 12.214 | 0.020 |
| 15 | 35 | 12.329 | 12.326 | -0.003 |
| 15 | 36 | 12.344 | 12.329 | -0.015 |
| 15 | 37 | 12.722 | 12.660 | -0.062 |
| 15 | 38 | 12.699 | 12.823 | 0.124 |
| 15 | 39 | 12.402 | 12.405 | 0.003 |
| 30 | 40 | 12.643 | 12.586 | -0.057 |
| 30 | 41 | 12.350 | 12.385 | 0.035 |
| 30 | 42 | 12.460 | 12.457 | -0.003 |
| 30 | 43 | 12.634 | 12.608 | -0.026 |
| 30 | 44 | 12.194 | 12.249 | 0.055 |
| 35 | 45 | 12.549 | 12.515 | -0.034 |
| 35 | 46 | 12.714 | 12.664 | -0.050 |
| 35 | 47 | 12.398 | 12.404 | 0.006 |
| 35 | 48 | 12.531 | 12.538 | 0.007 |
| 35 | 49 | 12.477 | 12.557 | 0.080 |
| 50 | 50 | 12.763 | 12.641 | -0.122 |
| 50 | 51 | 12.489 | 12.476 | -0.013 |
| 50 | 52 | 12.597 | 12.509 | -0.088 |
| 50 | 53 | 12.819 | 12.776 | -0.043 |
| 50 | 54 | 12.276 | 12.217 | -0.059 |
| 55 | 55 | 12.220 | 12.305 | 0.085 |
| 55 | 56 | 12.593 | 12.479 | -0.114 |
| 55 | 57 | 12.692 | 12.742 | 0.050 |
| 55 | 58 | 12.312 | 12.327 | 0.015 |
| 55 | 59 | 12.713 | 12.621 | -0.092 |
| 100 | 60 | 12.437 | 12.245 | -0.192 |
| 100 | 61 | 12.265 | 12.289 | 0.024 |
| 100 | 62 | 12.778 | 12.851 | 0.073 |
| 100 | 63 | 12.326 | 12.319 | -0.007 |
| 100 | 64 | 12.283 | 12.305 | 0.022 |
| 105 | 65 | 12.525 | 12.522 | -0.003 |
| 105 | 66 | 12.794 | 12.772 | -0.022 |
| 105 | 67 | 12.589 | 12.617 | 0.028 |
| 105 | 68 | 12.509 | 12.539 | 0.030 |
| 105 | 69 | 12.626 | 12.770 | 0.144 |
| | Max | 12.819 | 12.851 | 0.144 |
| | Average | 12.501 | 12.495 | -0.006 |
| | Min | 12.194 | 12.214 | -0.192 |
| | Std Dev | 0.168 | 0.167 | 0.058 |




| | 5.68_tdly_Res619K_EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.375 | 12.267 | 12.391 | 12.214 | 12.326 | 12.249 | 12.404 | 12.217 | 12.305 | 12.245 | 12.522 |
| Average | 12.433 | 12.478 | 12.481 | 12.466 | 12.509 | 12.457 | 12.536 | 12.524 | 12.495 | 12.402 | 12.644 |
| Max | 12.479 | 12.662 | 12.681 | 12.618 | 12.823 | 12.608 | 12.664 | 12.776 | 12.742 | 12.851 | 12.772 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

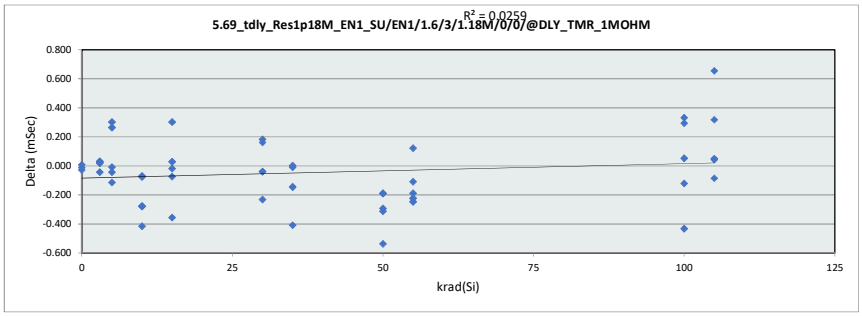


# TID HDR Report
# TPS7H3014-SP

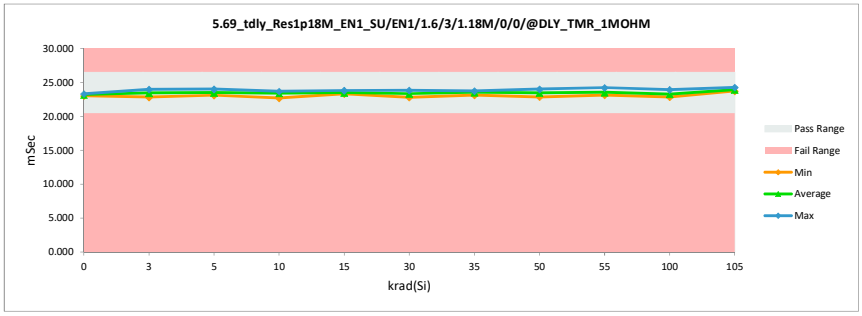
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.69_tdly_Res1p18M_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.306 | 23.280 | -0.026 |
| 0 | 14 | 23.347 | 23.337 | -0.010 |
| 0 | 15 | 23.043 | 23.053 | 0.010 |
| 3 | 20 | 23.548 | 23.579 | 0.031 |
| 3 | 21 | 23.967 | 23.993 | 0.026 |
| 3 | 22 | 23.517 | 23.551 | 0.034 |
| 3 | 23 | 22.897 | 22.856 | -0.041 |
| 3 | 24 | 23.338 | 23.358 | 0.020 |
| 5 | 25 | 23.518 | 23.407 | -0.111 |
| 5 | 26 | 24.038 | 24.032 | -0.006 |
| 5 | 27 | 23.149 | 23.109 | -0.040 |
| 5 | 28 | 23.198 | 23.503 | 0.305 |
| 5 | 29 | 23.196 | 23.463 | 0.267 |
| 10 | 30 | 23.716 | 23.649 | -0.067 |
| 10 | 31 | 24.087 | 23.674 | -0.413 |
| 10 | 32 | 23.578 | 23.505 | -0.073 |
| 10 | 33 | 23.974 | 23.699 | -0.275 |
| 10 | 34 | 22.987 | 22.711 | -0.276 |
| 15 | 35 | 23.317 | 23.347 | 0.030 |
| 15 | 36 | 23.361 | 23.345 | -0.016 |
| 15 | 37 | 23.939 | 23.586 | -0.353 |
| 15 | 38 | 23.914 | 23.842 | -0.072 |
| 15 | 39 | 23.149 | 23.454 | 0.305 |
| 30 | 40 | 23.665 | 23.850 | 0.185 |
| 30 | 41 | 23.391 | 23.161 | -0.230 |
| 30 | 42 | 23.246 | 23.208 | -0.038 |
| 30 | 43 | 23.806 | 23.770 | -0.036 |
| 30 | 44 | 22.668 | 22.832 | 0.164 |
| 35 | 45 | 23.785 | 23.645 | -0.140 |
| 35 | 46 | 24.165 | 23.759 | -0.406 |
| 35 | 47 | 23.146 | 23.139 | -0.007 |
| 35 | 48 | 23.690 | 23.694 | 0.004 |
| 35 | 49 | 23.659 | 23.514 | -0.145 |
| 50 | 50 | 24.237 | 23.702 | -0.535 |
| 50 | 51 | 23.656 | 23.366 | -0.290 |
| 50 | 52 | 23.637 | 23.451 | -0.186 |
| 50 | 53 | 24.217 | 24.029 | -0.188 |
| 50 | 54 | 23.174 | 22.864 | -0.310 |
| 55 | 55 | 23.247 | 23.140 | -0.107 |
| 55 | 56 | 23.487 | 23.301 | -0.186 |
| 55 | 57 | 24.135 | 24.259 | 0.124 |
| 55 | 58 | 23.373 | 23.153 | -0.220 |
| 55 | 59 | 24.163 | 23.919 | -0.244 |
| 100 | 60 | 23.299 | 22.869 | -0.430 |
| 100 | 61 | 22.850 | 23.184 | 0.334 |
| 100 | 62 | 24.061 | 23.942 | -0.119 |
| 100 | 63 | 23.158 | 23.213 | 0.055 |
| 100 | 64 | 22.946 | 23.242 | 0.296 |
| 105 | 65 | 23.702 | 23.754 | 0.052 |
| 105 | 66 | 24.182 | 24.099 | -0.083 |
| 105 | 67 | 23.838 | 23.883 | 0.045 |
| 105 | 68 | 23.413 | 23.733 | 0.320 |
| 105 | 69 | 23.632 | 24.290 | 0.658 |
| | Max | 24.237 | 24.290 | 0.658 |
| | Average | 23.542 | 23.496 | -0.046 |
| | Min | 22.668 | 22.711 | -0.535 |
| | Std Dev | 0.402 | 0.374 | 0.224 |




| | 5.69_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.053 | 22.856 | 23.109 | 22.711 | 23.345 | 22.832 | 23.139 | 22.864 | 23.140 | 22.869 | 23.733 |
| Average | 23.223 | 23.467 | 23.503 | 23.448 | 23.515 | 23.364 | 23.550 | 23.482 | 23.554 | 23.290 | 23.952 |
| Max | 23.337 | 23.993 | 24.032 | 23.699 | 23.842 | 23.850 | 23.759 | 24.029 | 24.259 | 23.942 | 24.290 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

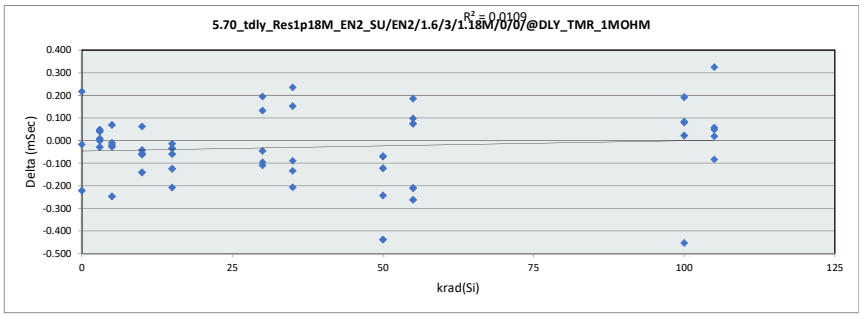


# TID HDR Report
# TPS7H3014-SP

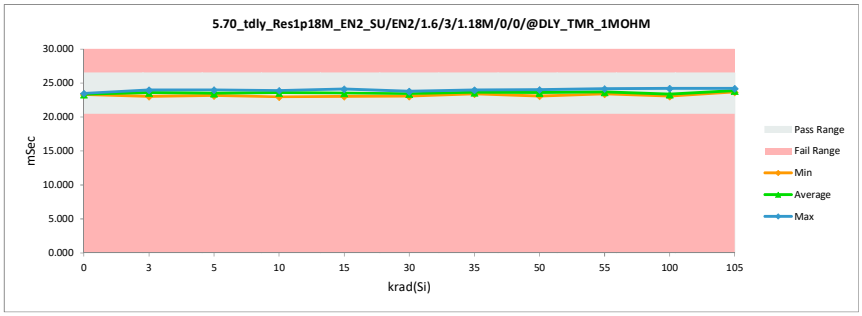
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.70_tdly_Res1p18M_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.512 | 23.497 | -0.015 |
| 0 | 14 | 23.554 | 23.334 | -0.220 |
| 0 | 15 | 23.114 | 23.333 | 0.219 |
| 3 | 20 | 23.813 | 23.863 | 0.050 |
| 3 | 21 | 23.981 | 23.991 | 0.010 |
| 3 | 22 | 23.791 | 23.833 | 0.042 |
| 3 | 23 | 23.099 | 23.072 | -0.027 |
| 3 | 24 | 23.297 | 23.298 | 0.001 |
| 5 | 25 | 23.534 | 23.605 | 0.071 |
| 5 | 26 | 24.036 | 24.018 | -0.018 |
| 5 | 27 | 23.403 | 23.377 | -0.026 |
| 5 | 28 | 23.435 | 23.427 | -0.008 |
| 5 | 29 | 23.436 | 23.191 | -0.245 |
| 10 | 30 | 23.673 | 23.633 | -0.040 |
| 10 | 31 | 24.058 | 23.919 | -0.139 |
| 10 | 32 | 23.577 | 23.521 | -0.056 |
| 10 | 33 | 23.979 | 23.920 | -0.059 |
| 10 | 34 | 22.918 | 22.982 | 0.064 |
| 15 | 35 | 23.276 | 23.070 | -0.206 |
| 15 | 36 | 23.320 | 23.287 | -0.033 |
| 15 | 37 | 23.958 | 23.835 | -0.123 |
| 15 | 38 | 24.206 | 24.148 | -0.058 |
| 15 | 39 | 23.402 | 23.390 | -0.012 |
| 30 | 40 | 23.896 | 23.788 | -0.108 |
| 30 | 41 | 23.317 | 23.223 | -0.094 |
| 30 | 42 | 23.273 | 23.470 | 0.197 |
| 30 | 43 | 23.752 | 23.708 | -0.044 |
| 30 | 44 | 22.946 | 23.080 | 0.134 |
| 35 | 45 | 23.722 | 23.635 | -0.087 |
| 35 | 46 | 24.116 | 23.984 | -0.132 |
| 35 | 47 | 23.183 | 23.420 | 0.237 |
| 35 | 48 | 23.653 | 23.448 | -0.205 |
| 35 | 49 | 23.633 | 23.787 | 0.154 |
| 50 | 50 | 24.170 | 23.929 | -0.241 |
| 50 | 51 | 23.639 | 23.572 | -0.067 |
| 50 | 52 | 23.879 | 23.443 | -0.436 |
| 50 | 53 | 24.155 | 24.035 | -0.120 |
| 50 | 54 | 23.172 | 23.103 | -0.069 |
| 55 | 55 | 23.223 | 23.410 | 0.187 |
| 55 | 56 | 23.777 | 23.517 | -0.260 |
| 55 | 57 | 24.100 | 24.200 | 0.100 |
| 55 | 58 | 23.329 | 23.405 | 0.076 |
| 55 | 59 | 24.147 | 23.939 | -0.208 |
| 100 | 60 | 23.544 | 23.093 | -0.451 |
| 100 | 61 | 23.087 | 23.173 | 0.086 |
| 100 | 62 | 24.050 | 24.244 | 0.194 |
| 100 | 63 | 23.168 | 23.192 | 0.024 |
| 100 | 64 | 23.145 | 23.226 | 0.081 |
| 105 | 65 | 23.673 | 23.694 | 0.021 |
| 105 | 66 | 24.137 | 24.056 | -0.081 |
| 105 | 67 | 23.773 | 23.824 | 0.051 |
| 105 | 68 | 23.626 | 23.686 | 0.060 |
| 105 | 69 | 23.887 | 24.213 | 0.326 |
| | Max | 24.206 | 24.244 | 0.326 |
| | Average | 23.614 | 23.586 | -0.028 |
| | Min | 22.918 | 22.982 | -0.451 |
| | Std Dev | 0.361 | 0.346 | 0.155 |




| | 5.70_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.333 | 23.072 | 23.191 | 22.982 | 23.070 | 23.080 | 23.420 | 23.103 | 23.405 | 23.093 | 23.686 |
| Average | 23.388 | 23.611 | 23.524 | 23.595 | 23.546 | 23.454 | 23.655 | 23.616 | 23.694 | 23.386 | 23.895 |
| Max | 23.497 | 23.991 | 24.018 | 23.920 | 24.148 | 23.788 | 23.984 | 24.035 | 24.200 | 24.244 | 24.213 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

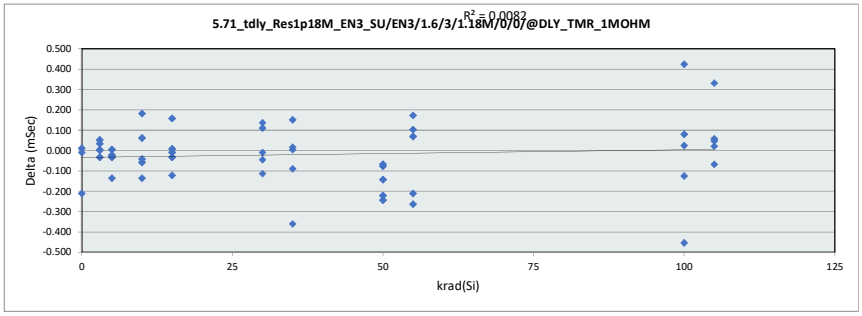


# TID HDR Report
# TPS7H3014-SP

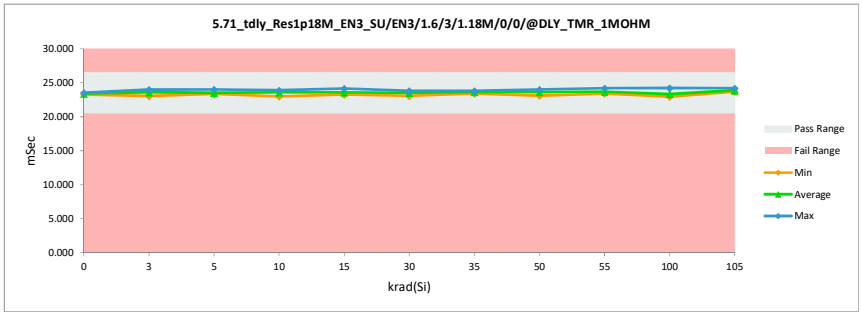
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.71_tdly_Res1p18M_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.513 | 23.304 | -0.209 |
| 0 | 14 | 23.555 | 23.547 | -0.008 |
| 0 | 15 | 23.323 | 23.336 | 0.013 |
| 3 | 20 | 23.813 | 23.867 | 0.054 |
| 3 | 21 | 23.986 | 23.992 | 0.006 |
| 3 | 22 | 23.793 | 23.828 | 0.035 |
| 3 | 23 | 23.102 | 23.071 | -0.031 |
| 3 | 24 | 23.297 | 23.300 | 0.003 |
| 5 | 25 | 23.537 | 23.403 | -0.134 |
| 5 | 26 | 24.041 | 24.009 | -0.032 |
| 5 | 27 | 23.404 | 23.384 | -0.020 |
| 5 | 28 | 23.420 | 23.427 | 0.007 |
| 5 | 29 | 23.440 | 23.411 | -0.029 |
| 10 | 30 | 23.673 | 23.633 | -0.040 |
| 10 | 31 | 24.056 | 23.922 | -0.134 |
| 10 | 32 | 23.342 | 23.525 | 0.183 |
| 10 | 33 | 23.979 | 23.923 | -0.056 |
| 10 | 34 | 22.920 | 22.983 | 0.063 |
| 15 | 35 | 23.276 | 23.286 | 0.010 |
| 15 | 36 | 23.323 | 23.292 | -0.031 |
| 15 | 37 | 23.957 | 23.837 | -0.120 |
| 15 | 38 | 23.990 | 24.150 | 0.160 |
| 15 | 39 | 23.402 | 23.395 | -0.007 |
| 30 | 40 | 23.901 | 23.789 | -0.112 |
| 30 | 41 | 23.314 | 23.426 | 0.112 |
| 30 | 42 | 23.486 | 23.478 | -0.008 |
| 30 | 43 | 23.753 | 23.710 | -0.043 |
| 30 | 44 | 22.946 | 23.084 | 0.138 |
| 35 | 45 | 23.724 | 23.636 | -0.088 |
| 35 | 46 | 24.130 | 23.771 | -0.359 |
| 35 | 47 | 23.404 | 23.422 | 0.018 |
| 35 | 48 | 23.652 | 23.658 | 0.006 |
| 35 | 49 | 23.635 | 23.788 | 0.153 |
| 50 | 50 | 24.171 | 23.929 | -0.242 |
| 50 | 51 | 23.640 | 23.564 | -0.076 |
| 50 | 52 | 23.875 | 23.655 | -0.220 |
| 50 | 53 | 24.156 | 24.015 | -0.141 |
| 50 | 54 | 23.173 | 23.108 | -0.065 |
| 55 | 55 | 23.229 | 23.403 | 0.174 |
| 55 | 56 | 23.778 | 23.517 | -0.261 |
| 55 | 57 | 24.099 | 24.204 | 0.105 |
| 55 | 58 | 23.336 | 23.407 | 0.071 |
| 55 | 59 | 24.150 | 23.941 | -0.209 |
| 100 | 60 | 23.544 | 23.092 | -0.452 |
| 100 | 61 | 23.090 | 22.967 | -0.123 |
| 100 | 62 | 23.817 | 24.243 | 0.426 |
| 100 | 63 | 23.169 | 23.195 | 0.026 |
| 100 | 64 | 23.144 | 23.226 | 0.082 |
| 105 | 65 | 23.673 | 23.696 | 0.023 |
| 105 | 66 | 24.142 | 24.076 | -0.066 |
| 105 | 67 | 23.773 | 23.822 | 0.049 |
| 105 | 68 | 23.627 | 23.687 | 0.060 |
| 105 | 69 | 23.888 | 24.221 | 0.333 |
| | Max | 24.171 | 24.243 | 0.426 |
| | Average | 23.614 | 23.595 | -0.019 |
| | Min | 22.920 | 22.967 | -0.452 |
| | Std Dev | 0.343 | 0.337 | 0.151 |




| | 5.71_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.304 | 23.071 | 23.384 | 22.983 | 23.286 | 23.084 | 23.422 | 23.108 | 23.403 | 22.967 | 23.687 |
| Average | 23.396 | 23.612 | 23.527 | 23.597 | 23.592 | 23.497 | 23.655 | 23.654 | 23.694 | 23.345 | 23.900 |
| Max | 23.547 | 23.992 | 24.009 | 23.923 | 24.150 | 23.789 | 23.788 | 24.015 | 24.204 | 24.243 | 24.221 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

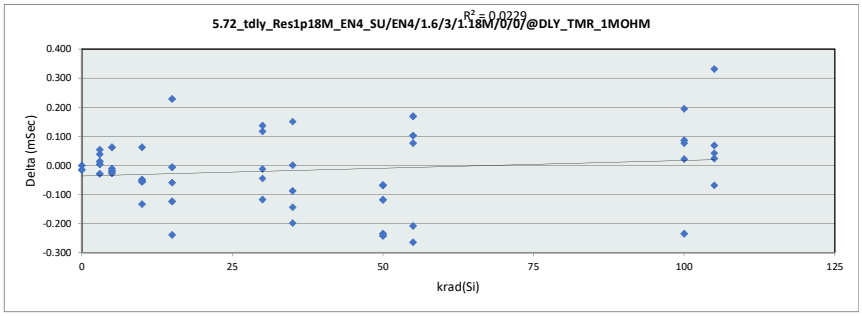


# TID HDR Report
# TPS7H3014-SP

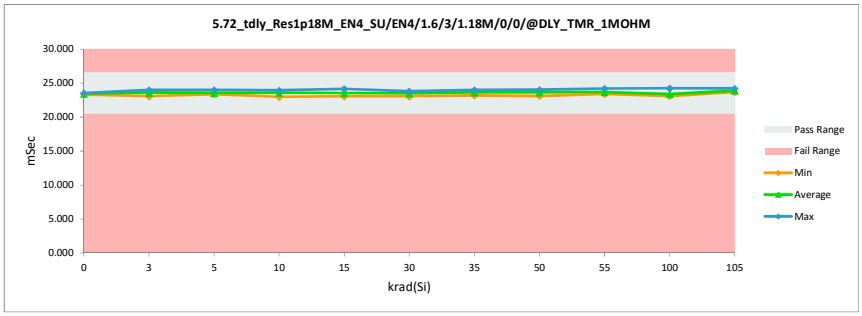
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.72_tdly_Res1p18M_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.513 | 23.499 | -0.014 |
| 0 | 14 | 23.558 | 23.544 | -0.014 |
| 0 | 15 | 23.337 | 23.338 | 0.001 |
| 3 | 20 | 23.815 | 23.870 | 0.055 |
| 3 | 21 | 23.987 | 23.992 | 0.005 |
| 3 | 22 | 23.794 | 23.834 | 0.040 |
| 3 | 23 | 23.104 | 23.076 | -0.028 |
| 3 | 24 | 23.285 | 23.300 | 0.015 |
| 5 | 25 | 23.540 | 23.603 | 0.063 |
| 5 | 26 | 24.041 | 24.023 | -0.018 |
| 5 | 27 | 23.405 | 23.385 | -0.020 |
| 5 | 28 | 23.439 | 23.429 | -0.010 |
| 5 | 29 | 23.442 | 23.416 | -0.026 |
| 10 | 30 | 23.673 | 23.625 | -0.048 |
| 10 | 31 | 24.059 | 23.927 | -0.132 |
| 10 | 32 | 23.580 | 23.527 | -0.053 |
| 10 | 33 | 23.980 | 23.925 | -0.055 |
| 10 | 34 | 22.923 | 22.987 | 0.064 |
| 15 | 35 | 23.058 | 23.288 | 0.230 |
| 15 | 36 | 23.315 | 23.077 | -0.238 |
| 15 | 37 | 23.961 | 23.838 | -0.123 |
| 15 | 38 | 24.208 | 24.150 | -0.058 |
| 15 | 39 | 23.404 | 23.399 | -0.005 |
| 30 | 40 | 23.903 | 23.787 | -0.116 |
| 30 | 41 | 23.308 | 23.426 | 0.118 |
| 30 | 42 | 23.488 | 23.477 | -0.011 |
| 30 | 43 | 23.755 | 23.711 | -0.044 |
| 30 | 44 | 22.948 | 23.086 | 0.138 |
| 35 | 45 | 23.726 | 23.640 | -0.086 |
| 35 | 46 | 24.132 | 23.989 | -0.143 |
| 35 | 47 | 23.408 | 23.211 | -0.197 |
| 35 | 48 | 23.656 | 23.658 | 0.002 |
| 35 | 49 | 23.638 | 23.790 | 0.152 |
| 50 | 50 | 24.172 | 23.931 | -0.241 |
| 50 | 51 | 23.640 | 23.574 | -0.066 |
| 50 | 52 | 23.880 | 23.646 | -0.234 |
| 50 | 53 | 24.152 | 24.035 | -0.117 |
| 50 | 54 | 23.175 | 23.107 | -0.068 |
| 55 | 55 | 23.231 | 23.401 | 0.170 |
| 55 | 56 | 23.779 | 23.516 | -0.263 |
| 55 | 57 | 24.103 | 24.207 | 0.104 |
| 55 | 58 | 23.330 | 23.408 | 0.078 |
| 55 | 59 | 24.150 | 23.943 | -0.207 |
| 100 | 60 | 23.331 | 23.097 | -0.234 |
| 100 | 61 | 23.089 | 23.177 | 0.088 |
| 100 | 62 | 24.053 | 24.249 | 0.196 |
| 100 | 63 | 23.173 | 23.196 | 0.023 |
| 100 | 64 | 23.149 | 23.227 | 0.078 |
| 105 | 65 | 23.673 | 23.698 | 0.025 |
| 105 | 66 | 24.146 | 24.079 | -0.067 |
| 105 | 67 | 23.776 | 23.819 | 0.043 |
| 105 | 68 | 23.625 | 23.695 | 0.070 |
| 105 | 69 | 23.890 | 24.223 | 0.333 |
| | Max | 24.208 | 24.249 | 0.333 |
| | Average | 23.621 | 23.605 | -0.016 |
| | Min | 22.923 | 22.987 | -0.263 |
| | Std Dev | 0.358 | 0.341 | 0.125 |




| | 5.72_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.338 | 23.076 | 23.385 | 22.987 | 23.077 | 23.086 | 23.211 | 23.107 | 23.401 | 23.097 | 23.695 |
| Average | 23.460 | 23.614 | 23.571 | 23.598 | 23.550 | 23.497 | 23.658 | 23.659 | 23.695 | 23.389 | 23.903 |
| Max | 23.544 | 23.992 | 24.023 | 23.927 | 24.150 | 23.787 | 23.989 | 24.035 | 24.207 | 24.249 | 24.223 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

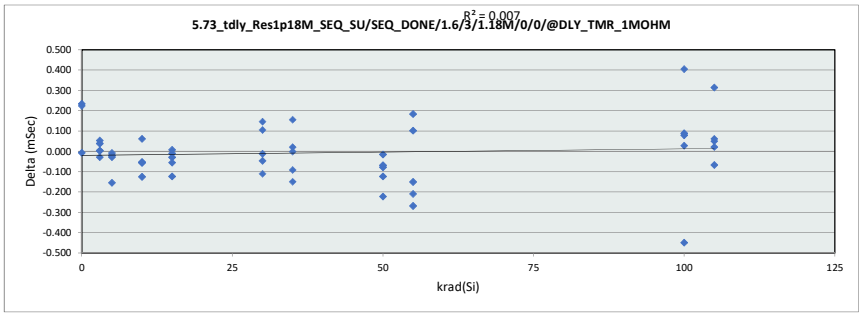


# TID HDR Report
# TPS7H3014-SP

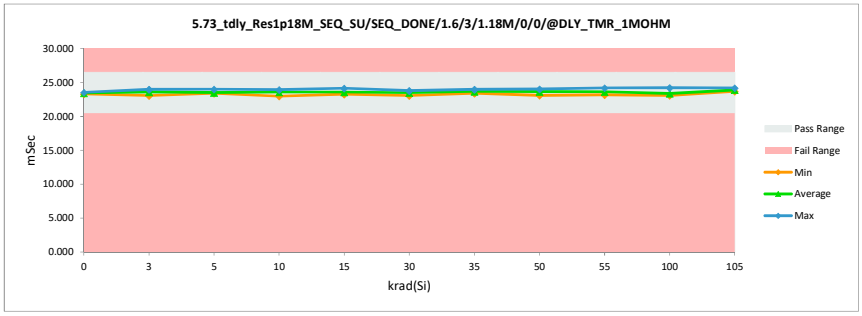
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.73_tdly_Res1p18M_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.515 | 23.509 | -0.006 |
| 0 | 14 | 23.326 | 23.551 | 0.225 |
| 0 | 15 | 23.102 | 23.337 | 0.235 |
| 3 | 20 | 23.816 | 23.871 | 0.055 |
| 3 | 21 | 23.987 | 23.991 | 0.004 |
| 3 | 22 | 23.796 | 23.836 | 0.040 |
| 3 | 23 | 23.104 | 23.077 | -0.027 |
| 3 | 24 | 23.297 | 23.302 | 0.005 |
| 5 | 25 | 23.541 | 23.388 | -0.153 |
| 5 | 26 | 24.035 | 24.014 | -0.021 |
| 5 | 27 | 23.405 | 23.388 | -0.017 |
| 5 | 28 | 23.437 | 23.430 | -0.007 |
| 5 | 29 | 23.440 | 23.413 | -0.027 |
| 10 | 30 | 23.675 | 23.621 | -0.054 |
| 10 | 31 | 24.052 | 23.928 | -0.124 |
| 10 | 32 | 23.579 | 23.528 | -0.051 |
| 10 | 33 | 23.980 | 23.925 | -0.055 |
| 10 | 34 | 22.923 | 22.986 | 0.063 |
| 15 | 35 | 23.279 | 23.288 | 0.009 |
| 15 | 36 | 23.324 | 23.296 | -0.028 |
| 15 | 37 | 23.961 | 23.839 | -0.122 |
| 15 | 38 | 24.208 | 24.154 | -0.054 |
| 15 | 39 | 23.404 | 23.396 | -0.008 |
| 30 | 40 | 23.903 | 23.794 | -0.109 |
| 30 | 41 | 23.323 | 23.429 | 0.106 |
| 30 | 42 | 23.490 | 23.479 | -0.011 |
| 30 | 43 | 23.757 | 23.712 | -0.045 |
| 30 | 44 | 22.942 | 23.089 | 0.147 |
| 35 | 45 | 23.725 | 23.635 | -0.090 |
| 35 | 46 | 24.134 | 23.986 | -0.148 |
| 35 | 47 | 23.404 | 23.426 | 0.022 |
| 35 | 48 | 23.658 | 23.658 | 0.000 |
| 35 | 49 | 23.636 | 23.793 | 0.157 |
| 50 | 50 | 23.944 | 23.930 | -0.014 |
| 50 | 51 | 23.643 | 23.566 | -0.077 |
| 50 | 52 | 23.882 | 23.661 | -0.221 |
| 50 | 53 | 24.157 | 24.035 | -0.122 |
| 50 | 54 | 23.176 | 23.109 | -0.067 |
| 55 | 55 | 23.229 | 23.414 | 0.185 |
| 55 | 56 | 23.780 | 23.513 | -0.267 |
| 55 | 57 | 24.102 | 24.205 | 0.103 |
| 55 | 58 | 23.335 | 23.186 | -0.149 |
| 55 | 59 | 24.151 | 23.943 | -0.208 |
| 100 | 60 | 23.548 | 23.100 | -0.448 |
| 100 | 61 | 23.091 | 23.181 | 0.090 |
| 100 | 62 | 23.827 | 24.233 | 0.406 |
| 100 | 63 | 23.168 | 23.197 | 0.029 |
| 100 | 64 | 23.149 | 23.230 | 0.081 |
| 105 | 65 | 23.676 | 23.699 | 0.023 |
| 105 | 66 | 24.146 | 24.080 | -0.066 |
| 105 | 67 | 23.778 | 23.829 | 0.051 |
| 105 | 68 | 23.630 | 23.693 | 0.063 |
| 105 | 69 | 23.894 | 24.209 | 0.315 |
| | Max | 24.208 | 24.233 | 0.406 |
| | Average | 23.613 | 23.605 | -0.007 |
| | Min | 22.923 | 22.986 | -0.448 |
| | Std Dev | 0.348 | 0.336 | 0.141 |




| | 5.73_tdly_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.337 | 23.077 | 23.388 | 22.986 | 23.288 | 23.089 | 23.426 | 23.109 | 23.186 | 23.100 | 23.693 |
| Average | 23.466 | 23.615 | 23.527 | 23.598 | 23.595 | 23.501 | 23.700 | 23.660 | 23.652 | 23.388 | 23.902 |
| Max | 23.551 | 23.991 | 24.014 | 23.928 | 24.154 | 23.794 | 23.986 | 24.035 | 24.205 | 24.233 | 24.209 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

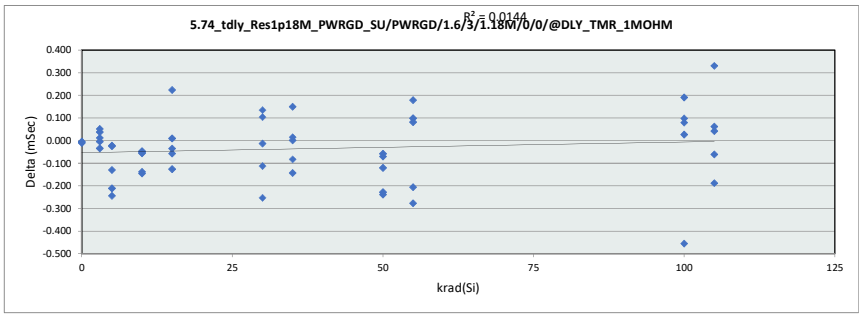


# TID HDR Report
# TPS7H3014-SP

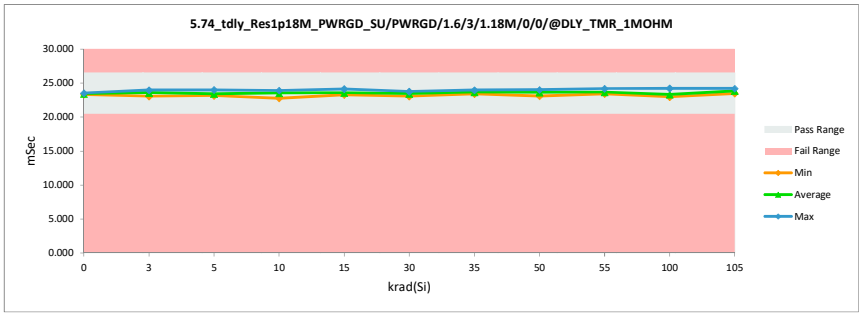
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.74_tdly_Res1p18M_PWR | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.512 | 23.502 | -0.010 |
| 0 | 14 | 23.553 | 23.547 | -0.006 |
| 0 | 15 | 23.334 | 23.331 | -0.003 |
| 3 | 20 | 23.813 | 23.866 | 0.053 |
| 3 | 21 | 23.985 | 23.982 | -0.003 |
| 3 | 22 | 23.794 | 23.833 | 0.039 |
| 3 | 23 | 23.101 | 23.068 | -0.033 |
| 3 | 24 | 23.284 | 23.297 | 0.013 |
| 5 | 25 | 23.536 | 23.407 | -0.129 |
| 5 | 26 | 24.037 | 24.016 | -0.021 |
| 5 | 27 | 23.403 | 23.160 | -0.243 |
| 5 | 28 | 23.434 | 23.224 | -0.210 |
| 5 | 29 | 23.436 | 23.412 | -0.024 |
| 10 | 30 | 23.672 | 23.626 | -0.046 |
| 10 | 31 | 24.054 | 23.910 | -0.144 |
| 10 | 32 | 23.576 | 23.524 | -0.052 |
| 10 | 33 | 23.977 | 23.922 | -0.055 |
| 10 | 34 | 22.919 | 22.782 | -0.137 |
| 15 | 35 | 23.274 | 23.285 | 0.011 |
| 15 | 36 | 23.319 | 23.285 | -0.034 |
| 15 | 37 | 23.959 | 23.834 | -0.125 |
| 15 | 38 | 24.203 | 24.147 | -0.056 |
| 15 | 39 | 23.169 | 23.394 | 0.225 |
| 30 | 40 | 23.899 | 23.788 | -0.111 |
| 30 | 41 | 23.318 | 23.423 | 0.105 |
| 30 | 42 | 23.487 | 23.475 | -0.012 |
| 30 | 43 | 23.752 | 23.500 | -0.252 |
| 30 | 44 | 22.947 | 23.083 | 0.136 |
| 35 | 45 | 23.714 | 23.632 | -0.082 |
| 35 | 46 | 24.127 | 23.985 | -0.142 |
| 35 | 47 | 23.404 | 23.420 | 0.016 |
| 35 | 48 | 23.654 | 23.656 | 0.002 |
| 35 | 49 | 23.635 | 23.786 | 0.151 |
| 50 | 50 | 24.160 | 23.922 | -0.238 |
| 50 | 51 | 23.630 | 23.573 | -0.057 |
| 50 | 52 | 23.878 | 23.651 | -0.227 |
| 50 | 53 | 24.149 | 24.030 | -0.119 |
| 50 | 54 | 23.172 | 23.103 | -0.069 |
| 55 | 55 | 23.227 | 23.407 | 0.180 |
| 55 | 56 | 23.775 | 23.499 | -0.276 |
| 55 | 57 | 24.102 | 24.202 | 0.100 |
| 55 | 58 | 23.323 | 23.406 | 0.083 |
| 55 | 59 | 24.146 | 23.941 | -0.205 |
| 100 | 60 | 23.546 | 23.092 | -0.454 |
| 100 | 61 | 22.874 | 22.973 | 0.099 |
| 100 | 62 | 24.052 | 24.244 | 0.192 |
| 100 | 63 | 23.167 | 23.195 | 0.028 |
| 100 | 64 | 23.144 | 23.225 | 0.081 |
| 105 | 65 | 23.672 | 23.485 | -0.187 |
| 105 | 66 | 24.137 | 24.077 | -0.060 |
| 105 | 67 | 23.774 | 23.817 | 0.043 |
| 105 | 68 | 23.625 | 23.688 | 0.063 |
| 105 | 69 | 23.887 | 24.219 | 0.332 |
| | Max | 24.203 | 24.244 | 0.332 |
| | Average | 23.617 | 23.582 | -0.035 |
| | Min | 22.874 | 22.782 | -0.454 |
| | Std Dev | 0.361 | 0.353 | 0.142 |




| | 5.74_tdly_Res1p18M_PW | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.331 | 23.068 | 23.160 | 22.782 | 23.285 | 23.083 | 23.420 | 23.103 | 23.406 | 22.973 | 23.485 |
| Average | 23.460 | 23.609 | 23.444 | 23.553 | 23.589 | 23.454 | 23.696 | 23.656 | 23.691 | 23.346 | 23.857 |
| Max | 23.547 | 23.982 | 24.016 | 23.922 | 24.147 | 23.788 | 23.985 | 24.030 | 24.202 | 24.244 | 24.219 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

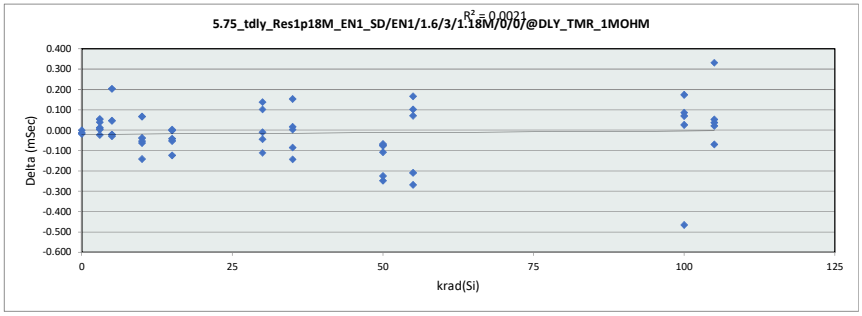


# TID HDR Report
# TPS7H3014-SP

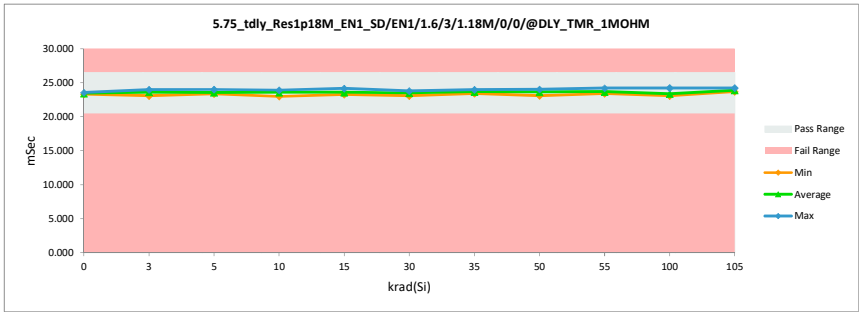
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.75_tdly_Res1p18M_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.523 | 23.506 | -0.017 |
| 0 | 14 | 23.560 | 23.561 | 0.001 |
| 0 | 15 | 23.347 | 23.336 | -0.011 |
| 3 | 20 | 23.825 | 23.881 | 0.056 |
| 3 | 21 | 23.989 | 24.002 | 0.013 |
| 3 | 22 | 23.806 | 23.846 | 0.040 |
| 3 | 23 | 23.109 | 23.087 | -0.022 |
| 3 | 24 | 23.305 | 23.310 | 0.005 |
| 5 | 25 | 23.550 | 23.598 | 0.048 |
| 5 | 26 | 24.051 | 24.030 | -0.021 |
| 5 | 27 | 23.191 | 23.396 | 0.205 |
| 5 | 28 | 23.448 | 23.428 | -0.020 |
| 5 | 29 | 23.452 | 23.424 | -0.028 |
| 10 | 30 | 23.680 | 23.643 | -0.037 |
| 10 | 31 | 24.066 | 23.926 | -0.140 |
| 10 | 32 | 23.589 | 23.537 | -0.052 |
| 10 | 33 | 23.991 | 23.929 | -0.062 |
| 10 | 34 | 22.924 | 22.992 | 0.068 |
| 15 | 35 | 23.289 | 23.289 | 0.000 |
| 15 | 36 | 23.333 | 23.292 | -0.041 |
| 15 | 37 | 23.969 | 23.847 | -0.122 |
| 15 | 38 | 24.214 | 24.163 | -0.051 |
| 15 | 39 | 23.404 | 23.408 | 0.004 |
| 30 | 40 | 23.913 | 23.803 | -0.110 |
| 30 | 41 | 23.333 | 23.436 | 0.103 |
| 30 | 42 | 23.498 | 23.489 | -0.009 |
| 30 | 43 | 23.764 | 23.721 | -0.043 |
| 30 | 44 | 22.959 | 23.098 | 0.139 |
| 35 | 45 | 23.732 | 23.648 | -0.084 |
| 35 | 46 | 24.143 | 24.001 | -0.142 |
| 35 | 47 | 23.416 | 23.434 | 0.018 |
| 35 | 48 | 23.666 | 23.670 | 0.004 |
| 35 | 49 | 23.646 | 23.801 | 0.155 |
| 50 | 50 | 24.183 | 23.936 | -0.247 |
| 50 | 51 | 23.650 | 23.575 | -0.075 |
| 50 | 52 | 23.891 | 23.667 | -0.224 |
| 50 | 53 | 24.155 | 24.048 | -0.107 |
| 50 | 54 | 23.185 | 23.118 | -0.067 |
| 55 | 55 | 23.240 | 23.408 | 0.168 |
| 55 | 56 | 23.788 | 23.521 | -0.267 |
| 55 | 57 | 24.111 | 24.214 | 0.103 |
| 55 | 58 | 23.345 | 23.417 | 0.072 |
| 55 | 59 | 24.160 | 23.952 | -0.208 |
| 100 | 60 | 23.559 | 23.095 | -0.464 |
| 100 | 61 | 23.101 | 23.189 | 0.088 |
| 100 | 62 | 24.065 | 24.240 | 0.175 |
| 100 | 63 | 23.180 | 23.207 | 0.027 |
| 100 | 64 | 23.161 | 23.232 | 0.071 |
| 105 | 65 | 23.684 | 23.706 | 0.022 |
| 105 | 66 | 24.155 | 24.087 | -0.068 |
| 105 | 67 | 23.788 | 23.827 | 0.039 |
| 105 | 68 | 23.640 | 23.694 | 0.054 |
| 105 | 69 | 23.901 | 24.234 | 0.333 |
| | Max | 24.214 | 24.240 | 0.333 |
| | Average | 23.634 | 23.621 | -0.014 |
| | Min | 22.924 | 22.992 | -0.464 |
| | Std Dev | 0.354 | 0.332 | 0.129 |




| | 5.75_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.336 | 23.087 | 23.396 | 22.992 | 23.289 | 23.098 | 23.434 | 23.118 | 23.408 | 23.095 | 23.694 |
| Average | 23.468 | 23.625 | 23.575 | 23.605 | 23.600 | 23.509 | 23.711 | 23.669 | 23.702 | 23.393 | 23.910 |
| Max | 23.561 | 24.002 | 24.030 | 23.929 | 24.163 | 23.803 | 24.001 | 24.048 | 24.214 | 24.240 | 24.234 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

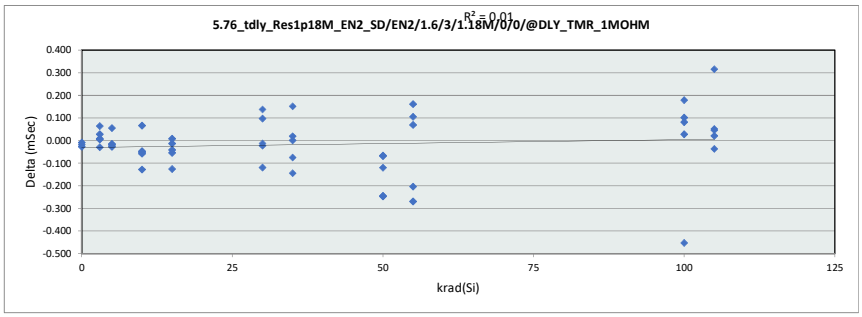


# TID HDR Report
# TPS7H3014-SP

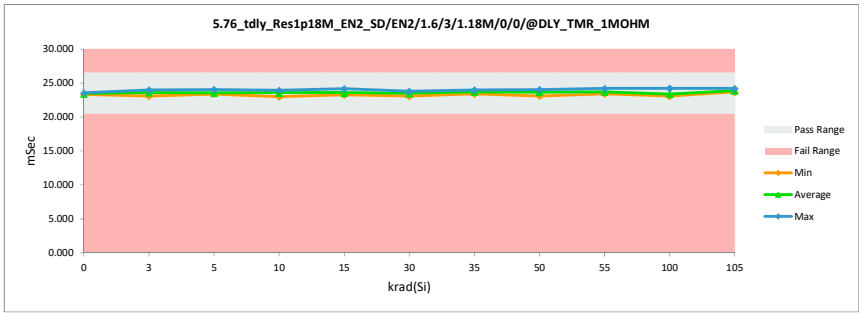
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.76_tdly_Res1p18M_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.523 | 23.497 | -0.026 |
| 0 | 14 | 23.565 | 23.557 | -0.008 |
| 0 | 15 | 23.348 | 23.331 | -0.017 |
| 3 | 20 | 23.815 | 23.880 | 0.065 |
| 3 | 21 | 23.995 | 24.004 | 0.009 |
| 3 | 22 | 23.807 | 23.836 | 0.029 |
| 3 | 23 | 23.113 | 23.085 | -0.028 |
| 3 | 24 | 23.304 | 23.310 | 0.006 |
| 5 | 25 | 23.548 | 23.604 | 0.056 |
| 5 | 26 | 24.048 | 24.034 | -0.014 |
| 5 | 27 | 23.415 | 23.396 | -0.019 |
| 5 | 28 | 23.440 | 23.426 | -0.014 |
| 5 | 29 | 23.451 | 23.425 | -0.026 |
| 10 | 30 | 23.681 | 23.635 | -0.046 |
| 10 | 31 | 24.065 | 23.938 | -0.127 |
| 10 | 32 | 23.587 | 23.537 | -0.050 |
| 10 | 33 | 23.991 | 23.934 | -0.057 |
| 10 | 34 | 22.929 | 22.996 | 0.067 |
| 15 | 35 | 23.288 | 23.297 | 0.009 |
| 15 | 36 | 23.329 | 23.289 | -0.040 |
| 15 | 37 | 23.970 | 23.845 | -0.125 |
| 15 | 38 | 24.215 | 24.162 | -0.053 |
| 15 | 39 | 23.413 | 23.401 | -0.012 |
| 30 | 40 | 23.914 | 23.796 | -0.118 |
| 30 | 41 | 23.331 | 23.429 | 0.098 |
| 30 | 42 | 23.498 | 23.487 | -0.011 |
| 30 | 43 | 23.745 | 23.723 | -0.022 |
| 30 | 44 | 22.958 | 23.097 | 0.139 |
| 35 | 45 | 23.725 | 23.651 | -0.074 |
| 35 | 46 | 24.142 | 23.999 | -0.143 |
| 35 | 47 | 23.418 | 23.438 | 0.020 |
| 35 | 48 | 23.668 | 23.670 | 0.002 |
| 35 | 49 | 23.646 | 23.799 | 0.153 |
| 50 | 50 | 24.184 | 23.939 | -0.245 |
| 50 | 51 | 23.649 | 23.584 | -0.065 |
| 50 | 52 | 23.892 | 23.649 | -0.243 |
| 50 | 53 | 24.166 | 24.047 | -0.119 |
| 50 | 54 | 23.186 | 23.119 | -0.067 |
| 55 | 55 | 23.239 | 23.401 | 0.162 |
| 55 | 56 | 23.786 | 23.518 | -0.268 |
| 55 | 57 | 24.110 | 24.216 | 0.106 |
| 55 | 58 | 23.348 | 23.418 | 0.070 |
| 55 | 59 | 24.157 | 23.954 | -0.203 |
| 100 | 60 | 23.559 | 23.108 | -0.451 |
| 100 | 61 | 23.084 | 23.187 | 0.103 |
| 100 | 62 | 24.064 | 24.244 | 0.180 |
| 100 | 63 | 23.180 | 23.209 | 0.029 |
| 100 | 64 | 23.157 | 23.240 | 0.083 |
| 105 | 65 | 23.685 | 23.707 | 0.022 |
| 105 | 66 | 24.124 | 24.088 | -0.036 |
| 105 | 67 | 23.789 | 23.842 | 0.053 |
| 105 | 68 | 23.639 | 23.686 | 0.047 |
| 105 | 69 | 23.899 | 24.216 | 0.317 |
| | Max | 24.215 | 24.244 | 0.317 |
| | Average | 23.637 | 23.620 | -0.017 |
| | Min | 22.929 | 22.996 | -0.451 |
| | Std Dev | 0.349 | 0.332 | 0.124 |




| | 5.76_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.331 | 23.085 | 23.396 | 22.996 | 23.289 | 23.097 | 23.438 | 23.119 | 23.401 | 23.108 | 23.686 |
| Average | 23.462 | 23.623 | 23.577 | 23.608 | 23.599 | 23.506 | 23.711 | 23.668 | 23.701 | 23.398 | 23.908 |
| Max | 23.557 | 24.004 | 24.034 | 23.938 | 24.162 | 23.796 | 23.999 | 24.047 | 24.216 | 24.244 | 24.216 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

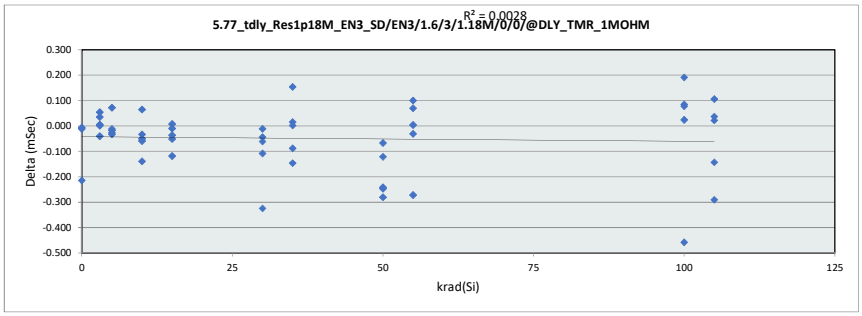


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

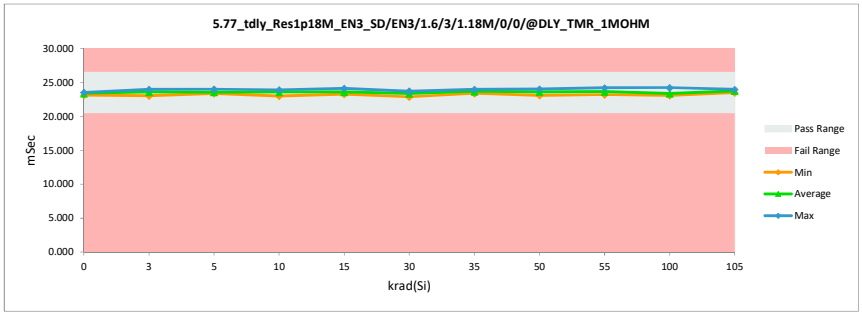
| | 5.77_tdly_Res1p18M_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.518 | 23.508 | -0.010 |
| 0 | 14 | 23.557 | 23.552 | -0.005 |
| 0 | 15 | 23.341 | 23.128 | -0.213 |
| 3 | 20 | 23.818 | 23.873 | 0.055 |
| 3 | 21 | 23.990 | 23.996 | 0.006 |
| 3 | 22 | 23.801 | 23.837 | 0.036 |
| 3 | 23 | 23.103 | 23.064 | -0.039 |
| 3 | 24 | 23.299 | 23.301 | 0.002 |
| 5 | 25 | 23.541 | 23.614 | 0.073 |
| 5 | 26 | 24.044 | 24.012 | -0.032 |
| 5 | 27 | 23.407 | 23.390 | -0.017 |
| 5 | 28 | 23.441 | 23.430 | -0.011 |
| 5 | 29 | 23.443 | 23.417 | -0.026 |
| 10 | 30 | 23.668 | 23.636 | -0.032 |
| 10 | 31 | 24.064 | 23.926 | -0.138 |
| 10 | 32 | 23.581 | 23.532 | -0.049 |
| 10 | 33 | 23.984 | 23.926 | -0.058 |
| 10 | 34 | 22.922 | 22.988 | 0.066 |
| 15 | 35 | 23.282 | 23.291 | 0.009 |
| 15 | 36 | 23.324 | 23.289 | -0.035 |
| 15 | 37 | 23.958 | 23.841 | -0.117 |
| 15 | 38 | 24.205 | 24.155 | -0.050 |
| 15 | 39 | 23.405 | 23.396 | -0.009 |
| 30 | 40 | 23.904 | 23.581 | -0.323 |
| 30 | 41 | 23.325 | 23.218 | -0.107 |
| 30 | 42 | 23.491 | 23.481 | -0.010 |
| 30 | 43 | 23.759 | 23.716 | -0.043 |
| 30 | 44 | 22.952 | 22.892 | -0.060 |
| 35 | 45 | 23.726 | 23.639 | -0.087 |
| 35 | 46 | 24.136 | 23.991 | -0.145 |
| 35 | 47 | 23.411 | 23.414 | 0.003 |
| 35 | 48 | 23.643 | 23.660 | 0.017 |
| 35 | 49 | 23.637 | 23.792 | 0.155 |
| 50 | 50 | 24.178 | 23.932 | -0.246 |
| 50 | 51 | 23.642 | 23.363 | -0.279 |
| 50 | 52 | 23.885 | 23.644 | -0.241 |
| 50 | 53 | 24.156 | 24.036 | -0.120 |
| 50 | 54 | 23.179 | 23.113 | -0.066 |
| 55 | 55 | 23.231 | 23.201 | -0.030 |
| 55 | 56 | 23.782 | 23.511 | -0.271 |
| 55 | 57 | 24.106 | 24.207 | 0.101 |
| 55 | 58 | 23.340 | 23.411 | 0.071 |
| 55 | 59 | 23.932 | 23.937 | 0.005 |
| 100 | 60 | 23.554 | 23.097 | -0.457 |
| 100 | 61 | 23.096 | 23.182 | 0.086 |
| 100 | 62 | 24.057 | 24.249 | 0.192 |
| 100 | 63 | 23.176 | 23.201 | 0.025 |
| 100 | 64 | 23.152 | 23.231 | 0.079 |
| 105 | 65 | 23.679 | 23.702 | 0.023 |
| 105 | 66 | 24.149 | 23.860 | -0.289 |
| 105 | 67 | 23.781 | 23.819 | 0.038 |
| 105 | 68 | 23.634 | 23.492 | -0.142 |
| 105 | 69 | 23.893 | 24.000 | 0.107 |
| | Max | 24.205 | 24.249 | 0.192 |
| | Average | 23.628 | 23.579 | -0.049 |
| | Min | 22.922 | 22.892 | -0.457 |
| | Std Dev | 0.345 | 0.339 | 0.127 |




| | 5.77_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.128 | 23.064 | 23.390 | 22.988 | 23.289 | 22.892 | 23.414 | 23.113 | 23.201 | 23.097 | 23.492 |
| Average | 23.396 | 23.614 | 23.573 | 23.602 | 23.594 | 23.378 | 23.699 | 23.618 | 23.653 | 23.392 | 23.775 |
| Max | 23.552 | 23.996 | 24.012 | 23.926 | 24.155 | 23.716 | 23.991 | 24.036 | 24.207 | 24.249 | 24.000 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

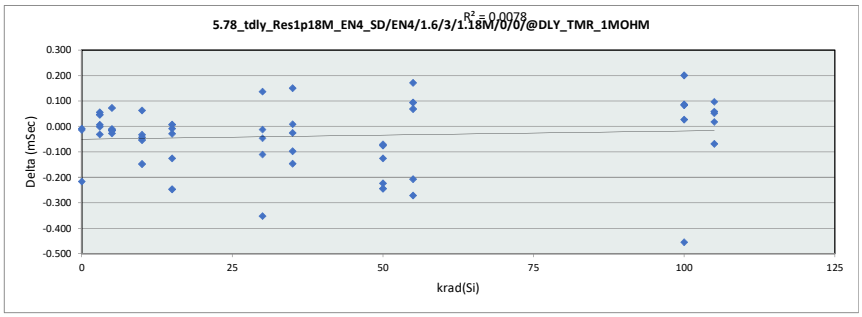


# TID HDR Report
# TPS7H3014-SP

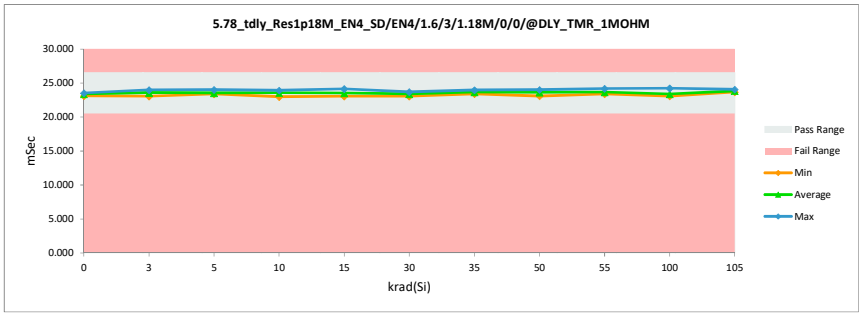
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.78_tdly_Res1p18M_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.521 | 23.514 | -0.007 |
| 0 | 14 | 23.563 | 23.551 | -0.012 |
| 0 | 15 | 23.346 | 23.131 | -0.215 |
| 3 | 20 | 23.823 | 23.880 | 0.057 |
| 3 | 21 | 23.994 | 24.002 | 0.008 |
| 3 | 22 | 23.799 | 23.846 | 0.047 |
| 3 | 23 | 23.114 | 23.084 | -0.030 |
| 3 | 24 | 23.304 | 23.304 | 0.000 |
| 5 | 25 | 23.547 | 23.621 | 0.074 |
| 5 | 26 | 24.051 | 24.037 | -0.014 |
| 5 | 27 | 23.407 | 23.393 | -0.014 |
| 5 | 28 | 23.446 | 23.437 | -0.009 |
| 5 | 29 | 23.450 | 23.424 | -0.026 |
| 10 | 30 | 23.679 | 23.638 | -0.041 |
| 10 | 31 | 24.063 | 23.917 | -0.146 |
| 10 | 32 | 23.588 | 23.536 | -0.052 |
| 10 | 33 | 23.966 | 23.935 | -0.031 |
| 10 | 34 | 22.928 | 22.992 | 0.064 |
| 15 | 35 | 23.286 | 23.295 | 0.009 |
| 15 | 36 | 23.332 | 23.086 | -0.246 |
| 15 | 37 | 23.970 | 23.846 | -0.124 |
| 15 | 38 | 24.188 | 24.161 | -0.027 |
| 15 | 39 | 23.412 | 23.405 | -0.007 |
| 30 | 40 | 23.914 | 23.563 | -0.351 |
| 30 | 41 | 23.330 | 23.221 | -0.109 |
| 30 | 42 | 23.498 | 23.487 | -0.011 |
| 30 | 43 | 23.765 | 23.720 | -0.045 |
| 30 | 44 | 22.956 | 23.094 | 0.138 |
| 35 | 45 | 23.733 | 23.637 | -0.096 |
| 35 | 46 | 24.141 | 23.996 | -0.145 |
| 35 | 47 | 23.416 | 23.426 | 0.010 |
| 35 | 48 | 23.665 | 23.641 | -0.024 |
| 35 | 49 | 23.644 | 23.796 | 0.152 |
| 50 | 50 | 24.181 | 23.938 | -0.243 |
| 50 | 51 | 23.638 | 23.564 | -0.074 |
| 50 | 52 | 23.888 | 23.666 | -0.222 |
| 50 | 53 | 24.161 | 24.037 | -0.124 |
| 50 | 54 | 23.183 | 23.114 | -0.069 |
| 55 | 55 | 23.232 | 23.405 | 0.173 |
| 55 | 56 | 23.788 | 23.518 | -0.270 |
| 55 | 57 | 24.112 | 24.207 | 0.095 |
| 55 | 58 | 23.347 | 23.417 | 0.070 |
| 55 | 59 | 24.158 | 23.952 | -0.206 |
| 100 | 60 | 23.558 | 23.104 | -0.454 |
| 100 | 61 | 23.099 | 23.187 | 0.088 |
| 100 | 62 | 24.054 | 24.256 | 0.202 |
| 100 | 63 | 23.180 | 23.208 | 0.028 |
| 100 | 64 | 23.153 | 23.238 | 0.085 |
| 105 | 65 | 23.685 | 23.704 | 0.019 |
| 105 | 66 | 24.156 | 24.089 | -0.067 |
| 105 | 67 | 23.787 | 23.840 | 0.053 |
| 105 | 68 | 23.639 | 23.699 | 0.060 |
| 105 | 69 | 23.899 | 23.997 | 0.098 |
| | Max | 24.188 | 24.256 | 0.202 |
| | Average | 23.637 | 23.599 | -0.037 |
| | Min | 22.928 | 22.992 | -0.454 |
| | Std Dev | 0.349 | 0.337 | 0.130 |




| | 5.78_tdly_Res1p18M_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.131 | 23.084 | 23.393 | 22.992 | 23.086 | 23.094 | 23.426 | 23.114 | 23.405 | 23.104 | 23.699 |
| Average | 23.399 | 23.623 | 23.582 | 23.604 | 23.559 | 23.417 | 23.699 | 23.664 | 23.700 | 23.399 | 23.866 |
| Max | 23.551 | 24.002 | 24.037 | 23.935 | 24.161 | 23.720 | 23.996 | 24.037 | 24.207 | 24.256 | 24.089 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

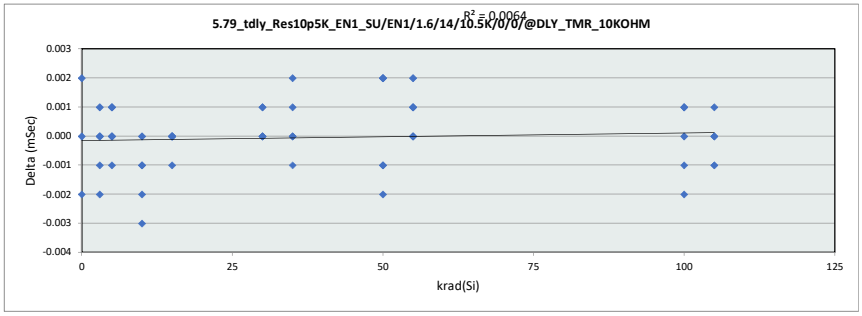


# TID HDR Report
# TPS7H3014-SP

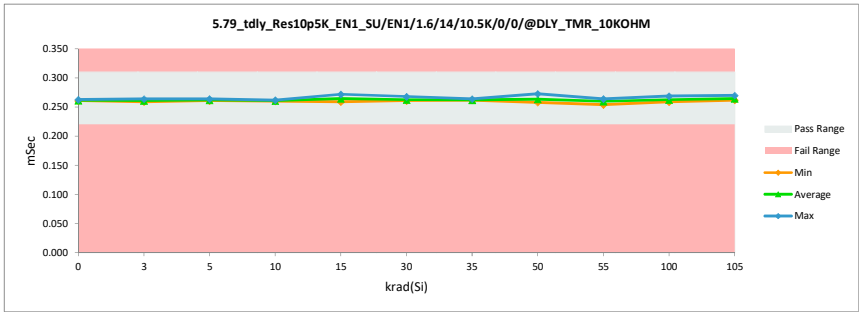
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.79_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.261 | 0.000 |
| 0 | 14 | 0.261 | 0.263 | 0.002 |
| 0 | 15 | 0.263 | 0.261 | -0.002 |
| 3 | 20 | 0.261 | 0.261 | 0.000 |
| 3 | 21 | 0.263 | 0.264 | 0.001 |
| 3 | 22 | 0.264 | 0.262 | -0.002 |
| 3 | 23 | 0.261 | 0.260 | -0.001 |
| 3 | 24 | 0.259 | 0.259 | 0.000 |
| 5 | 25 | 0.263 | 0.264 | 0.001 |
| 5 | 26 | 0.262 | 0.262 | 0.000 |
| 5 | 27 | 0.261 | 0.262 | 0.001 |
| 5 | 28 | 0.262 | 0.261 | -0.001 |
| 5 | 29 | 0.261 | 0.261 | 0.000 |
| 10 | 30 | 0.263 | 0.261 | -0.002 |
| 10 | 31 | 0.261 | 0.261 | 0.000 |
| 10 | 32 | 0.261 | 0.260 | -0.001 |
| 10 | 33 | 0.265 | 0.262 | -0.003 |
| 10 | 34 | 0.262 | 0.261 | -0.001 |
| 15 | 35 | 0.260 | 0.259 | -0.001 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.269 | 0.269 | 0.000 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.263 | 0.263 | 0.000 |
| 30 | 40 | 0.262 | 0.262 | 0.000 |
| 30 | 41 | 0.260 | 0.261 | 0.001 |
| 30 | 42 | 0.261 | 0.262 | 0.001 |
| 30 | 43 | 0.268 | 0.268 | 0.000 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.264 | 0.264 | 0.000 |
| 35 | 46 | 0.261 | 0.262 | 0.001 |
| 35 | 47 | 0.263 | 0.262 | -0.001 |
| 35 | 48 | 0.262 | 0.262 | 0.000 |
| 35 | 49 | 0.260 | 0.262 | 0.002 |
| 50 | 50 | 0.264 | 0.262 | -0.002 |
| 50 | 51 | 0.262 | 0.261 | -0.001 |
| 50 | 52 | 0.261 | 0.263 | 0.002 |
| 50 | 53 | 0.271 | 0.273 | 0.002 |
| 50 | 54 | 0.259 | 0.258 | -0.001 |
| 55 | 55 | 0.254 | 0.254 | 0.000 |
| 55 | 56 | 0.264 | 0.264 | 0.000 |
| 55 | 57 | 0.262 | 0.263 | 0.001 |
| 55 | 58 | 0.255 | 0.257 | 0.002 |
| 55 | 59 | 0.261 | 0.262 | 0.001 |
| 100 | 60 | 0.260 | 0.259 | -0.001 |
| 100 | 61 | 0.261 | 0.262 | 0.001 |
| 100 | 62 | 0.271 | 0.269 | -0.002 |
| 100 | 63 | 0.262 | 0.263 | 0.001 |
| 100 | 64 | 0.261 | 0.261 | 0.000 |
| 105 | 65 | 0.262 | 0.262 | 0.000 |
| 105 | 66 | 0.270 | 0.270 | 0.000 |
| 105 | 67 | 0.266 | 0.265 | -0.001 |
| 105 | 68 | 0.263 | 0.264 | 0.001 |
| 105 | 69 | 0.263 | 0.262 | -0.001 |
| | Max | 0.272 | 0.273 | 0.002 |
| | Average | 0.262 | 0.262 | 0.000 |
| | Min | 0.254 | 0.254 | -0.003 |
| | Std Dev | 0.003 | 0.003 | 0.001 |




| | 5.79_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.261 | 0.260 | 0.259 | 0.261 | 0.262 | 0.258 | 0.254 | 0.259 | 0.262 |
| Average | 0.262 | 0.261 | 0.262 | 0.261 | 0.265 | 0.263 | 0.262 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.263 | 0.264 | 0.264 | 0.262 | 0.272 | 0.268 | 0.264 | 0.273 | 0.264 | 0.269 | 0.270 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

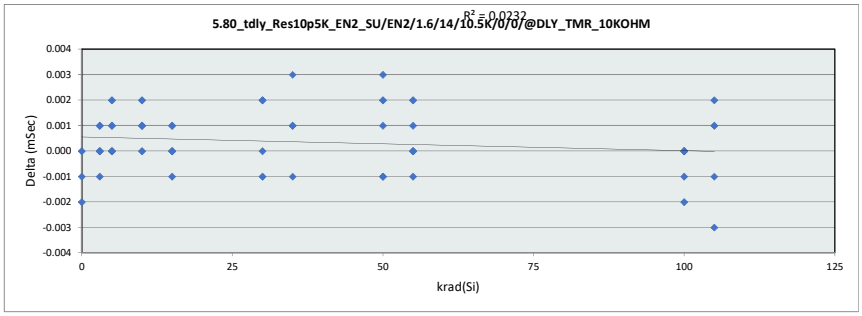


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

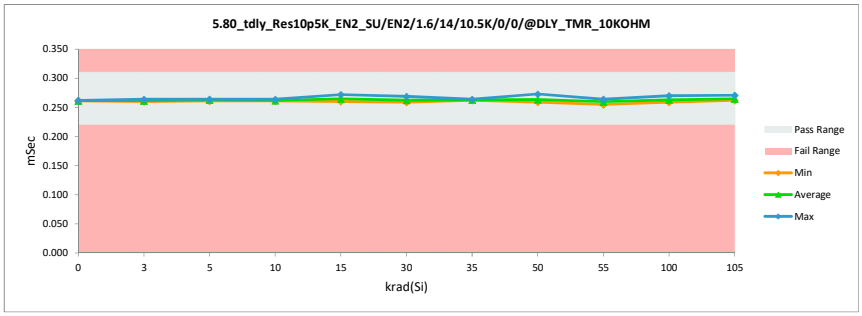
| | 5.80_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.263 | 0.261 | -0.002 |
| 0 | 14 | 0.263 | 0.262 | -0.001 |
| 0 | 15 | 0.262 | 0.262 | 0.000 |
| 3 | 20 | 0.261 | 0.260 | -0.001 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.263 | 0.264 | 0.001 |
| 3 | 23 | 0.261 | 0.261 | 0.000 |
| 3 | 24 | 0.259 | 0.260 | 0.001 |
| 5 | 25 | 0.264 | 0.264 | 0.000 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.262 | 0.263 | 0.001 |
| 5 | 28 | 0.261 | 0.261 | 0.000 |
| 5 | 29 | 0.261 | 0.263 | 0.002 |
| 10 | 30 | 0.261 | 0.261 | 0.000 |
| 10 | 31 | 0.260 | 0.261 | 0.001 |
| 10 | 32 | 0.260 | 0.262 | 0.002 |
| 10 | 33 | 0.263 | 0.264 | 0.001 |
| 10 | 34 | 0.261 | 0.262 | 0.001 |
| 15 | 35 | 0.261 | 0.260 | -0.001 |
| 15 | 36 | 0.259 | 0.260 | 0.001 |
| 15 | 37 | 0.269 | 0.269 | 0.000 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.262 | 0.263 | 0.001 |
| 30 | 40 | 0.262 | 0.261 | -0.001 |
| 30 | 41 | 0.259 | 0.259 | 0.000 |
| 30 | 42 | 0.261 | 0.263 | 0.002 |
| 30 | 43 | 0.267 | 0.269 | 0.002 |
| 30 | 44 | 0.261 | 0.260 | -0.001 |
| 35 | 45 | 0.265 | 0.264 | -0.001 |
| 35 | 46 | 0.262 | 0.263 | 0.001 |
| 35 | 47 | 0.261 | 0.262 | 0.001 |
| 35 | 48 | 0.261 | 0.262 | 0.001 |
| 35 | 49 | 0.260 | 0.263 | 0.003 |
| 50 | 50 | 0.263 | 0.262 | -0.001 |
| 50 | 51 | 0.261 | 0.263 | 0.002 |
| 50 | 52 | 0.262 | 0.261 | -0.001 |
| 50 | 53 | 0.270 | 0.273 | 0.003 |
| 50 | 54 | 0.258 | 0.259 | 0.001 |
| 55 | 55 | 0.253 | 0.255 | 0.002 |
| 55 | 56 | 0.264 | 0.264 | 0.000 |
| 55 | 57 | 0.262 | 0.263 | 0.001 |
| 55 | 58 | 0.255 | 0.255 | 0.000 |
| 55 | 59 | 0.263 | 0.262 | -0.001 |
| 100 | 60 | 0.261 | 0.259 | -0.002 |
| 100 | 61 | 0.261 | 0.261 | 0.000 |
| 100 | 62 | 0.271 | 0.270 | -0.001 |
| 100 | 63 | 0.264 | 0.264 | 0.000 |
| 100 | 64 | 0.261 | 0.261 | 0.000 |
| 105 | 65 | 0.262 | 0.263 | 0.001 |
| 105 | 66 | 0.274 | 0.271 | -0.003 |
| 105 | 67 | 0.263 | 0.265 | 0.002 |
| 105 | 68 | 0.263 | 0.262 | -0.001 |
| 105 | 69 | 0.262 | 0.263 | 0.001 |
| | Max | 0.274 | 0.273 | 0.003 |
| | Average | 0.262 | 0.263 | 0.000 |
| | Min | 0.253 | 0.255 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.80_tdly_Res10p5K_EN |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Max Limit | 0.31 mSec |
| Min Limit | 0.22 mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.260 | 0.261 | 0.261 | 0.260 | 0.259 | 0.262 | 0.259 | 0.255 | 0.259 | 0.262 |
| Average | 0.262 | 0.262 | 0.263 | 0.262 | 0.265 | 0.262 | 0.263 | 0.264 | 0.260 | 0.263 | 0.265 |
| Max | 0.262 | 0.264 | 0.264 | 0.264 | 0.272 | 0.269 | 0.264 | 0.273 | 0.264 | 0.270 | 0.271 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

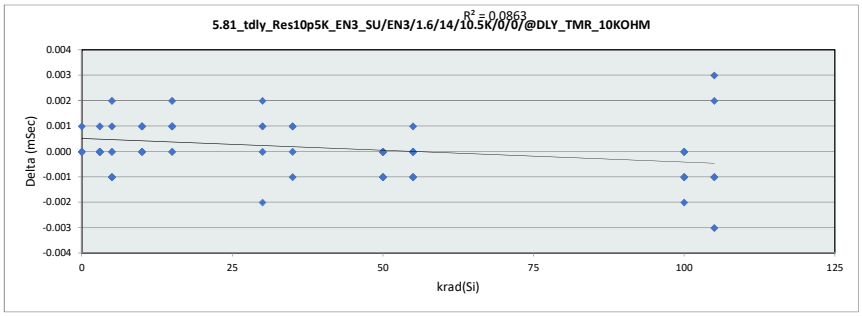


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

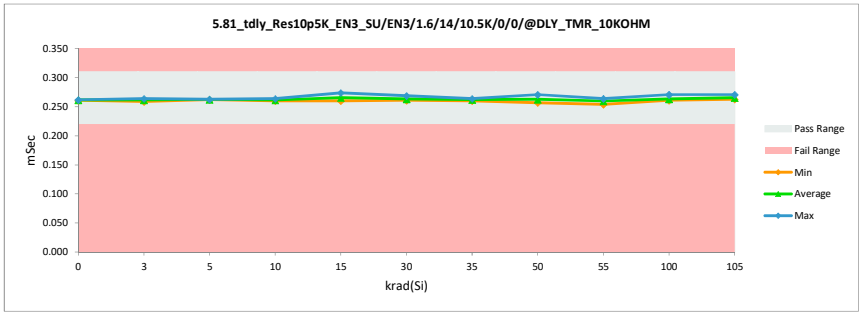
| | 5.81_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.261 | 0.000 |
| 0 | 14 | 0.262 | 0.262 | 0.000 |
| 0 | 15 | 0.261 | 0.262 | 0.001 |
| 3 | 20 | 0.261 | 0.261 | 0.000 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.263 | 0.263 | 0.000 |
| 3 | 23 | 0.262 | 0.262 | 0.000 |
| 3 | 24 | 0.258 | 0.259 | 0.001 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.263 | 0.262 | -0.001 |
| 5 | 27 | 0.261 | 0.262 | 0.001 |
| 5 | 28 | 0.261 | 0.263 | 0.002 |
| 5 | 29 | 0.264 | 0.263 | -0.001 |
| 10 | 30 | 0.261 | 0.262 | 0.001 |
| 10 | 31 | 0.260 | 0.260 | 0.000 |
| 10 | 32 | 0.260 | 0.261 | 0.001 |
| 10 | 33 | 0.263 | 0.264 | 0.001 |
| 10 | 34 | 0.261 | 0.261 | 0.000 |
| 15 | 35 | 0.261 | 0.262 | 0.001 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.269 | 0.270 | 0.001 |
| 15 | 38 | 0.272 | 0.274 | 0.002 |
| 15 | 39 | 0.262 | 0.263 | 0.001 |
| 30 | 40 | 0.264 | 0.262 | -0.002 |
| 30 | 41 | 0.261 | 0.261 | 0.000 |
| 30 | 42 | 0.261 | 0.263 | 0.002 |
| 30 | 43 | 0.268 | 0.269 | 0.001 |
| 30 | 44 | 0.261 | 0.262 | 0.001 |
| 35 | 45 | 0.263 | 0.264 | 0.001 |
| 35 | 46 | 0.262 | 0.261 | -0.001 |
| 35 | 47 | 0.263 | 0.263 | 0.000 |
| 35 | 48 | 0.263 | 0.264 | 0.001 |
| 35 | 49 | 0.259 | 0.260 | 0.001 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.262 | 0.262 | 0.000 |
| 50 | 52 | 0.263 | 0.262 | -0.001 |
| 50 | 53 | 0.271 | 0.271 | 0.000 |
| 50 | 54 | 0.257 | 0.257 | 0.000 |
| 55 | 55 | 0.254 | 0.254 | 0.000 |
| 55 | 56 | 0.264 | 0.264 | 0.000 |
| 55 | 57 | 0.263 | 0.264 | 0.001 |
| 55 | 58 | 0.256 | 0.255 | -0.001 |
| 55 | 59 | 0.263 | 0.262 | -0.001 |
| 100 | 60 | 0.261 | 0.261 | 0.000 |
| 100 | 61 | 0.262 | 0.262 | 0.000 |
| 100 | 62 | 0.272 | 0.271 | -0.001 |
| 100 | 63 | 0.264 | 0.263 | -0.001 |
| 100 | 64 | 0.263 | 0.261 | -0.002 |
| 105 | 65 | 0.264 | 0.263 | -0.001 |
| 105 | 66 | 0.274 | 0.271 | -0.003 |
| 105 | 67 | 0.266 | 0.265 | -0.001 |
| 105 | 68 | 0.262 | 0.264 | 0.002 |
| 105 | 69 | 0.262 | 0.265 | 0.003 |
| | Max | 0.274 | 0.274 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.254 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.81_tdly_Res10p5K_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.31 | mSec |
| Min Limit | 0.22 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.262 | 0.260 | 0.260 | 0.261 | 0.260 | 0.257 | 0.254 | 0.261 | 0.263 |
| Average | 0.262 | 0.262 | 0.263 | 0.262 | 0.266 | 0.263 | 0.262 | 0.263 | 0.260 | 0.264 | 0.266 |
| Max | 0.262 | 0.264 | 0.263 | 0.264 | 0.274 | 0.269 | 0.264 | 0.271 | 0.264 | 0.271 | 0.271 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

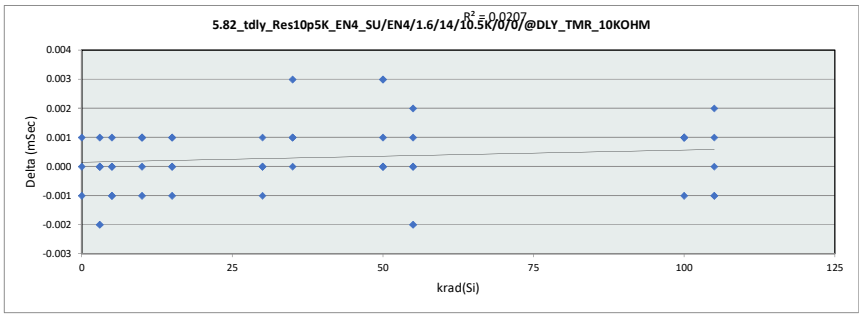


# TID HDR Report
# TPS7H3014-SP

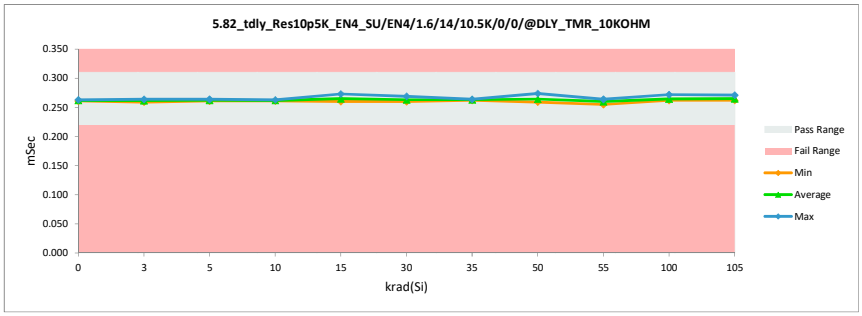
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.82_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.262 | 0.000 |
| 0 | 14 | 0.262 | 0.261 | -0.001 |
| 0 | 15 | 0.262 | 0.263 | 0.001 |
| 3 | 20 | 0.261 | 0.261 | 0.000 |
| 3 | 21 | 0.264 | 0.262 | -0.002 |
| 3 | 22 | 0.264 | 0.264 | 0.000 |
| 3 | 23 | 0.262 | 0.263 | 0.001 |
| 3 | 24 | 0.259 | 0.259 | 0.000 |
| 5 | 25 | 0.263 | 0.264 | 0.001 |
| 5 | 26 | 0.262 | 0.261 | -0.001 |
| 5 | 27 | 0.262 | 0.262 | 0.000 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.261 | 0.262 | 0.001 |
| 10 | 31 | 0.260 | 0.261 | 0.001 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.263 | 0.263 | 0.000 |
| 10 | 34 | 0.263 | 0.262 | -0.001 |
| 15 | 35 | 0.261 | 0.260 | -0.001 |
| 15 | 36 | 0.259 | 0.260 | 0.001 |
| 15 | 37 | 0.268 | 0.269 | 0.001 |
| 15 | 38 | 0.273 | 0.273 | 0.000 |
| 15 | 39 | 0.263 | 0.263 | 0.000 |
| 30 | 40 | 0.262 | 0.263 | 0.001 |
| 30 | 41 | 0.260 | 0.260 | 0.000 |
| 30 | 42 | 0.263 | 0.262 | -0.001 |
| 30 | 43 | 0.269 | 0.269 | 0.000 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.263 | 0.264 | 0.001 |
| 35 | 46 | 0.262 | 0.262 | 0.000 |
| 35 | 47 | 0.262 | 0.263 | 0.001 |
| 35 | 48 | 0.261 | 0.264 | 0.003 |
| 35 | 49 | 0.261 | 0.262 | 0.001 |
| 50 | 50 | 0.263 | 0.264 | 0.001 |
| 50 | 51 | 0.262 | 0.262 | 0.000 |
| 50 | 52 | 0.262 | 0.262 | 0.000 |
| 50 | 53 | 0.271 | 0.274 | 0.003 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.253 | 0.255 | 0.002 |
| 55 | 56 | 0.265 | 0.263 | -0.002 |
| 55 | 57 | 0.264 | 0.264 | 0.000 |
| 55 | 58 | 0.254 | 0.255 | 0.001 |
| 55 | 59 | 0.263 | 0.263 | 0.000 |
| 100 | 60 | 0.261 | 0.262 | 0.001 |
| 100 | 61 | 0.262 | 0.263 | 0.001 |
| 100 | 62 | 0.273 | 0.272 | -0.001 |
| 100 | 63 | 0.263 | 0.264 | 0.001 |
| 100 | 64 | 0.261 | 0.262 | 0.001 |
| 105 | 65 | 0.263 | 0.262 | -0.001 |
| 105 | 66 | 0.271 | 0.271 | 0.000 |
| 105 | 67 | 0.266 | 0.265 | -0.001 |
| 105 | 68 | 0.262 | 0.264 | 0.002 |
| 105 | 69 | 0.262 | 0.263 | 0.001 |
| | Max | 0.273 | 0.274 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.253 | 0.255 | -0.002 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.82_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.261 | 0.261 | 0.260 | 0.260 | 0.262 | 0.259 | 0.255 | 0.262 | 0.262 |
| Average | 0.262 | 0.262 | 0.262 | 0.262 | 0.265 | 0.263 | 0.263 | 0.264 | 0.260 | 0.265 | 0.265 |
| Max | 0.263 | 0.264 | 0.264 | 0.263 | 0.273 | 0.269 | 0.264 | 0.274 | 0.264 | 0.272 | 0.271 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

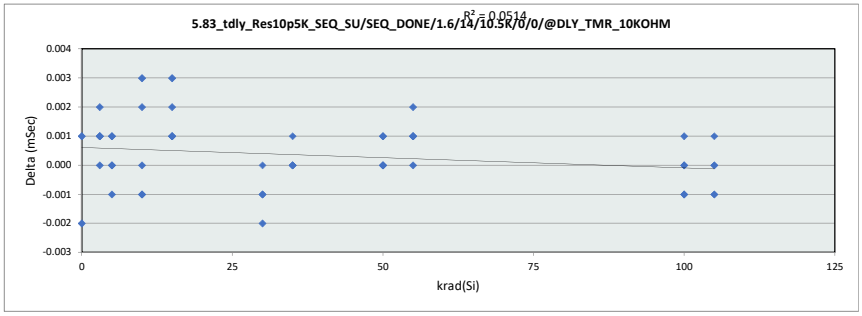


# TID HDR Report
# TPS7H3014-SP

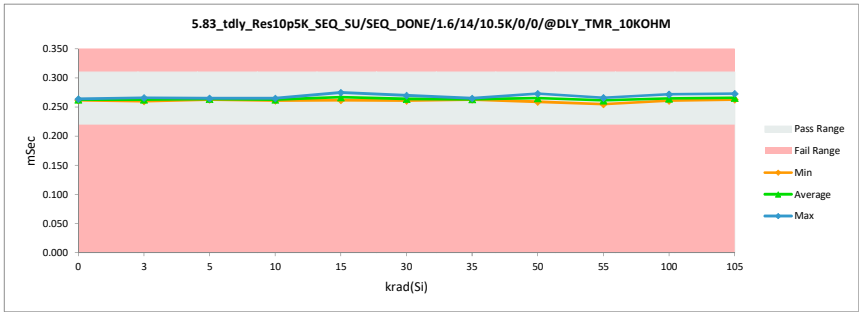
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.83_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.263 | 0.001 |
| 0 | 14 | 0.264 | 0.262 | -0.002 |
| 0 | 15 | 0.263 | 0.264 | 0.001 |
| 3 | 20 | 0.261 | 0.262 | 0.001 |
| 3 | 21 | 0.264 | 0.266 | 0.002 |
| 3 | 22 | 0.264 | 0.265 | 0.001 |
| 3 | 23 | 0.262 | 0.263 | 0.001 |
| 3 | 24 | 0.260 | 0.260 | 0.000 |
| 5 | 25 | 0.265 | 0.264 | -0.001 |
| 5 | 26 | 0.265 | 0.265 | 0.000 |
| 5 | 27 | 0.263 | 0.264 | 0.001 |
| 5 | 28 | 0.263 | 0.263 | 0.000 |
| 5 | 29 | 0.262 | 0.263 | 0.001 |
| 10 | 30 | 0.261 | 0.264 | 0.003 |
| 10 | 31 | 0.261 | 0.263 | 0.002 |
| 10 | 32 | 0.262 | 0.261 | -0.001 |
| 10 | 33 | 0.266 | 0.265 | -0.001 |
| 10 | 34 | 0.263 | 0.263 | 0.000 |
| 15 | 35 | 0.261 | 0.263 | 0.002 |
| 15 | 36 | 0.261 | 0.262 | 0.001 |
| 15 | 37 | 0.270 | 0.271 | 0.001 |
| 15 | 38 | 0.272 | 0.275 | 0.003 |
| 15 | 39 | 0.263 | 0.264 | 0.001 |
| 30 | 40 | 0.266 | 0.265 | -0.001 |
| 30 | 41 | 0.262 | 0.262 | 0.000 |
| 30 | 42 | 0.264 | 0.262 | -0.002 |
| 30 | 43 | 0.271 | 0.270 | -0.001 |
| 30 | 44 | 0.262 | 0.261 | -0.001 |
| 35 | 45 | 0.265 | 0.265 | 0.000 |
| 35 | 46 | 0.263 | 0.263 | 0.000 |
| 35 | 47 | 0.263 | 0.263 | 0.000 |
| 35 | 48 | 0.263 | 0.263 | 0.000 |
| 35 | 49 | 0.262 | 0.263 | 0.001 |
| 50 | 50 | 0.265 | 0.265 | 0.000 |
| 50 | 51 | 0.265 | 0.266 | 0.001 |
| 50 | 52 | 0.264 | 0.264 | 0.000 |
| 50 | 53 | 0.272 | 0.273 | 0.001 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.254 | 0.255 | 0.001 |
| 55 | 56 | 0.265 | 0.266 | 0.001 |
| 55 | 57 | 0.264 | 0.266 | 0.002 |
| 55 | 58 | 0.257 | 0.257 | 0.000 |
| 55 | 59 | 0.263 | 0.264 | 0.001 |
| 100 | 60 | 0.262 | 0.261 | -0.001 |
| 100 | 61 | 0.263 | 0.263 | 0.000 |
| 100 | 62 | 0.273 | 0.272 | -0.001 |
| 100 | 63 | 0.264 | 0.264 | 0.000 |
| 100 | 64 | 0.263 | 0.264 | 0.001 |
| 105 | 65 | 0.264 | 0.263 | -0.001 |
| 105 | 66 | 0.272 | 0.273 | 0.001 |
| 105 | 67 | 0.267 | 0.266 | -0.001 |
| 105 | 68 | 0.264 | 0.264 | 0.000 |
| 105 | 69 | 0.264 | 0.264 | 0.000 |
| | Max | 0.273 | 0.275 | 0.003 |
| | Average | 0.264 | 0.264 | 0.000 |
| | Min | 0.254 | 0.255 | -0.002 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.83_tdly_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.260 | 0.263 | 0.261 | 0.262 | 0.261 | 0.263 | 0.259 | 0.255 | 0.261 | 0.263 |
| Average | 0.263 | 0.263 | 0.264 | 0.263 | 0.267 | 0.264 | 0.263 | 0.265 | 0.262 | 0.265 | 0.266 |
| Max | 0.264 | 0.266 | 0.265 | 0.265 | 0.275 | 0.270 | 0.265 | 0.273 | 0.266 | 0.272 | 0.273 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

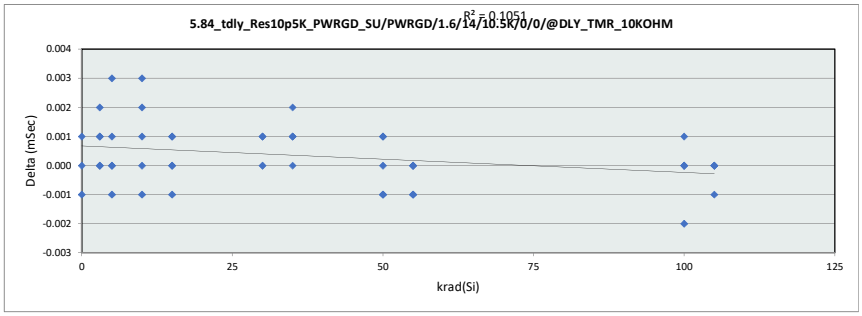


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

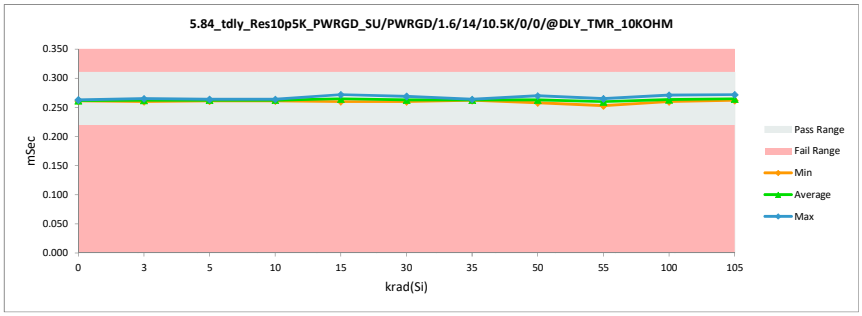
| | 5.84_tdly_Res10p5K_PWR | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.261 | -0.001 |
| 0 | 14 | 0.261 | 0.262 | 0.001 |
| 0 | 15 | 0.263 | 0.263 | 0.000 |
| 3 | 20 | 0.261 | 0.261 | 0.000 |
| 3 | 21 | 0.264 | 0.265 | 0.001 |
| 3 | 22 | 0.263 | 0.264 | 0.001 |
| 3 | 23 | 0.261 | 0.261 | 0.000 |
| 3 | 24 | 0.258 | 0.260 | 0.002 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.262 | 0.261 | -0.001 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.261 | 0.264 | 0.003 |
| 10 | 30 | 0.261 | 0.263 | 0.002 |
| 10 | 31 | 0.261 | 0.261 | 0.000 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.264 | 0.263 | -0.001 |
| 10 | 34 | 0.261 | 0.264 | 0.003 |
| 15 | 35 | 0.260 | 0.260 | 0.000 |
| 15 | 36 | 0.260 | 0.261 | 0.001 |
| 15 | 37 | 0.270 | 0.269 | -0.001 |
| 15 | 38 | 0.271 | 0.272 | 0.001 |
| 15 | 39 | 0.262 | 0.262 | 0.000 |
| 30 | 40 | 0.262 | 0.263 | 0.001 |
| 30 | 41 | 0.259 | 0.260 | 0.001 |
| 30 | 42 | 0.262 | 0.262 | 0.000 |
| 30 | 43 | 0.268 | 0.269 | 0.001 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.263 | 0.264 | 0.001 |
| 35 | 46 | 0.261 | 0.262 | 0.001 |
| 35 | 47 | 0.261 | 0.263 | 0.002 |
| 35 | 48 | 0.262 | 0.263 | 0.001 |
| 35 | 49 | 0.262 | 0.262 | 0.000 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.263 | 0.263 | 0.000 |
| 50 | 52 | 0.262 | 0.261 | -0.001 |
| 50 | 53 | 0.269 | 0.270 | 0.001 |
| 50 | 54 | 0.257 | 0.258 | 0.001 |
| 55 | 55 | 0.254 | 0.253 | -0.001 |
| 55 | 56 | 0.265 | 0.265 | 0.000 |
| 55 | 57 | 0.263 | 0.263 | 0.000 |
| 55 | 58 | 0.256 | 0.256 | 0.000 |
| 55 | 59 | 0.263 | 0.262 | -0.001 |
| 100 | 60 | 0.260 | 0.260 | 0.000 |
| 100 | 61 | 0.262 | 0.262 | 0.000 |
| 100 | 62 | 0.273 | 0.271 | -0.002 |
| 100 | 63 | 0.262 | 0.262 | 0.000 |
| 100 | 64 | 0.260 | 0.261 | 0.001 |
| 105 | 65 | 0.262 | 0.262 | 0.000 |
| 105 | 66 | 0.272 | 0.272 | 0.000 |
| 105 | 67 | 0.264 | 0.264 | 0.000 |
| 105 | 68 | 0.264 | 0.263 | -0.001 |
| 105 | 69 | 0.263 | 0.263 | 0.000 |
| | Max | 0.273 | 0.272 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.253 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.84_tdly_Res10p5K_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.31 | mSec |
| Min Limit | 0.22 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.260 | 0.261 | 0.261 | 0.260 | 0.260 | 0.262 | 0.258 | 0.253 | 0.260 | 0.262 |
| Average | 0.262 | 0.262 | 0.263 | 0.263 | 0.265 | 0.263 | 0.263 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.263 | 0.265 | 0.264 | 0.264 | 0.272 | 0.269 | 0.264 | 0.270 | 0.265 | 0.271 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

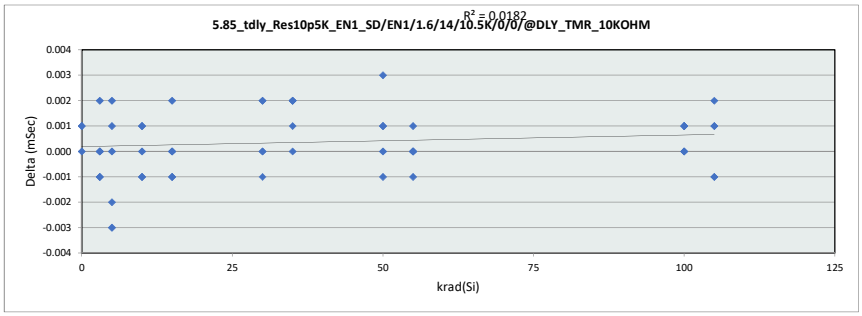


# TID HDR Report
# TPS7H3014-SP

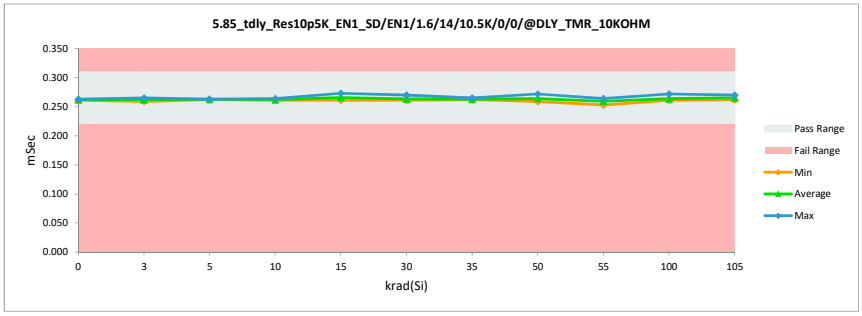
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.85_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.261 | 0.000 |
| 0 | 14 | 0.262 | 0.263 | 0.001 |
| 0 | 15 | 0.262 | 0.263 | 0.001 |
| 3 | 20 | 0.262 | 0.261 | -0.001 |
| 3 | 21 | 0.265 | 0.265 | 0.000 |
| 3 | 22 | 0.263 | 0.265 | 0.002 |
| 3 | 23 | 0.262 | 0.261 | -0.001 |
| 3 | 24 | 0.259 | 0.259 | 0.000 |
| 5 | 25 | 0.266 | 0.263 | -0.003 |
| 5 | 26 | 0.264 | 0.262 | -0.002 |
| 5 | 27 | 0.262 | 0.263 | 0.001 |
| 5 | 28 | 0.261 | 0.263 | 0.002 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.261 | 0.262 | 0.001 |
| 10 | 31 | 0.261 | 0.261 | 0.000 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.265 | 0.264 | -0.001 |
| 10 | 34 | 0.263 | 0.262 | -0.001 |
| 15 | 35 | 0.261 | 0.261 | 0.000 |
| 15 | 36 | 0.261 | 0.261 | 0.000 |
| 15 | 37 | 0.271 | 0.273 | 0.002 |
| 15 | 38 | 0.273 | 0.272 | -0.001 |
| 15 | 39 | 0.263 | 0.262 | -0.001 |
| 30 | 40 | 0.263 | 0.263 | 0.000 |
| 30 | 41 | 0.259 | 0.261 | 0.002 |
| 30 | 42 | 0.262 | 0.262 | 0.000 |
| 30 | 43 | 0.268 | 0.270 | 0.002 |
| 30 | 44 | 0.262 | 0.261 | -0.001 |
| 35 | 45 | 0.263 | 0.265 | 0.002 |
| 35 | 46 | 0.262 | 0.262 | 0.000 |
| 35 | 47 | 0.261 | 0.263 | 0.002 |
| 35 | 48 | 0.262 | 0.263 | 0.001 |
| 35 | 49 | 0.260 | 0.262 | 0.002 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.262 | 0.263 | 0.001 |
| 50 | 52 | 0.261 | 0.264 | 0.003 |
| 50 | 53 | 0.271 | 0.272 | 0.001 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.253 | 0.253 | 0.000 |
| 55 | 56 | 0.264 | 0.263 | -0.001 |
| 55 | 57 | 0.263 | 0.264 | 0.001 |
| 55 | 58 | 0.255 | 0.255 | 0.000 |
| 55 | 59 | 0.262 | 0.262 | 0.000 |
| 100 | 60 | 0.261 | 0.262 | 0.001 |
| 100 | 61 | 0.262 | 0.262 | 0.000 |
| 100 | 62 | 0.271 | 0.272 | 0.001 |
| 100 | 63 | 0.261 | 0.262 | 0.001 |
| 100 | 64 | 0.261 | 0.261 | 0.000 |
| 105 | 65 | 0.263 | 0.262 | -0.001 |
| 105 | 66 | 0.271 | 0.270 | -0.001 |
| 105 | 67 | 0.265 | 0.266 | 0.001 |
| 105 | 68 | 0.263 | 0.265 | 0.002 |
| 105 | 69 | 0.262 | 0.263 | 0.001 |
| | Max | 0.273 | 0.273 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.253 | 0.253 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.85_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.262 | 0.261 | 0.261 | 0.261 | 0.262 | 0.259 | 0.253 | 0.261 | 0.262 |
| Average | 0.262 | 0.262 | 0.263 | 0.262 | 0.266 | 0.263 | 0.263 | 0.264 | 0.259 | 0.264 | 0.265 |
| Max | 0.263 | 0.265 | 0.263 | 0.264 | 0.273 | 0.270 | 0.265 | 0.272 | 0.264 | 0.272 | 0.270 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

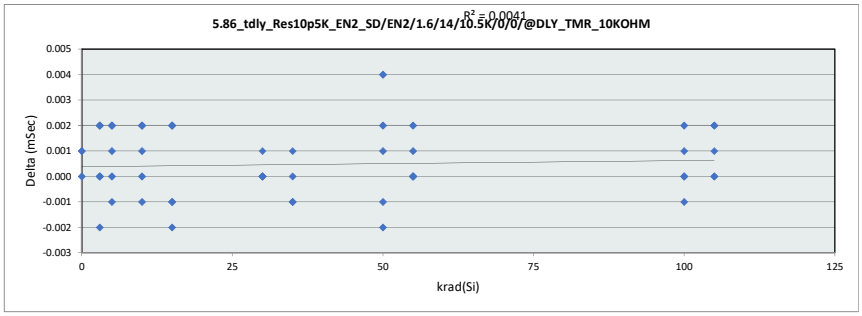


# TID HDR Report
# TPS7H3014-SP

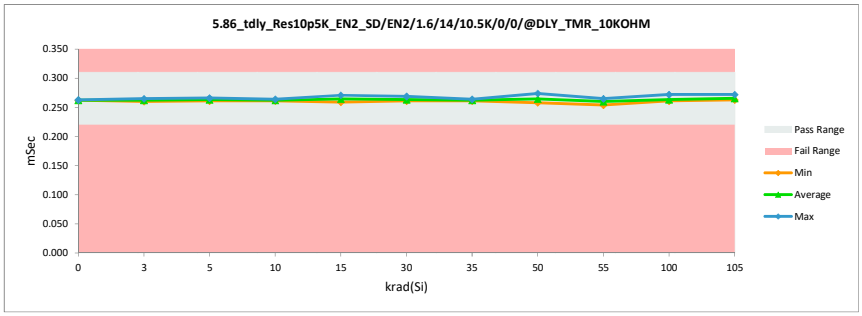
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.86_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.262 | 0.001 |
| 0 | 14 | 0.262 | 0.262 | 0.000 |
| 0 | 15 | 0.262 | 0.263 | 0.001 |
| 3 | 20 | 0.260 | 0.262 | 0.002 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.265 | 0.265 | 0.000 |
| 3 | 23 | 0.263 | 0.261 | -0.002 |
| 3 | 24 | 0.258 | 0.260 | 0.002 |
| 5 | 25 | 0.264 | 0.266 | 0.002 |
| 5 | 26 | 0.263 | 0.264 | 0.001 |
| 5 | 27 | 0.261 | 0.263 | 0.002 |
| 5 | 28 | 0.261 | 0.261 | 0.000 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.260 | 0.262 | 0.002 |
| 10 | 31 | 0.261 | 0.261 | 0.000 |
| 10 | 32 | 0.260 | 0.261 | 0.001 |
| 10 | 33 | 0.264 | 0.263 | -0.001 |
| 10 | 34 | 0.262 | 0.264 | 0.002 |
| 15 | 35 | 0.260 | 0.259 | -0.001 |
| 15 | 36 | 0.259 | 0.261 | 0.002 |
| 15 | 37 | 0.268 | 0.270 | 0.002 |
| 15 | 38 | 0.273 | 0.271 | -0.002 |
| 15 | 39 | 0.263 | 0.262 | -0.001 |
| 30 | 40 | 0.263 | 0.264 | 0.001 |
| 30 | 41 | 0.261 | 0.261 | 0.000 |
| 30 | 42 | 0.263 | 0.263 | 0.000 |
| 30 | 43 | 0.269 | 0.269 | 0.000 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.264 | 0.264 | 0.000 |
| 35 | 46 | 0.262 | 0.263 | 0.001 |
| 35 | 47 | 0.263 | 0.262 | -0.001 |
| 35 | 48 | 0.263 | 0.262 | -0.001 |
| 35 | 49 | 0.262 | 0.261 | -0.001 |
| 50 | 50 | 0.264 | 0.265 | 0.001 |
| 50 | 51 | 0.262 | 0.264 | 0.002 |
| 50 | 52 | 0.263 | 0.262 | -0.001 |
| 50 | 53 | 0.270 | 0.274 | 0.004 |
| 50 | 54 | 0.260 | 0.258 | -0.002 |
| 55 | 55 | 0.254 | 0.254 | 0.000 |
| 55 | 56 | 0.263 | 0.264 | 0.001 |
| 55 | 57 | 0.263 | 0.265 | 0.002 |
| 55 | 58 | 0.256 | 0.256 | 0.000 |
| 55 | 59 | 0.262 | 0.262 | 0.000 |
| 100 | 60 | 0.260 | 0.262 | 0.002 |
| 100 | 61 | 0.262 | 0.261 | -0.001 |
| 100 | 62 | 0.271 | 0.272 | 0.001 |
| 100 | 63 | 0.262 | 0.262 | 0.000 |
| 100 | 64 | 0.261 | 0.261 | 0.000 |
| 105 | 65 | 0.262 | 0.264 | 0.002 |
| 105 | 66 | 0.270 | 0.272 | 0.002 |
| 105 | 67 | 0.266 | 0.266 | 0.000 |
| 105 | 68 | 0.262 | 0.263 | 0.001 |
| 105 | 69 | 0.263 | 0.263 | 0.000 |
| | Max | 0.273 | 0.274 | 0.004 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.254 | -0.002 |
| | Std Dev | 0.003 | 0.004 | 0.001 |




| | 5.86_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.260 | 0.261 | 0.261 | 0.259 | 0.261 | 0.261 | 0.258 | 0.254 | 0.261 | 0.263 |
| Average | 0.262 | 0.262 | 0.263 | 0.262 | 0.265 | 0.264 | 0.262 | 0.265 | 0.260 | 0.264 | 0.266 |
| Max | 0.263 | 0.265 | 0.266 | 0.264 | 0.271 | 0.269 | 0.264 | 0.274 | 0.265 | 0.272 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

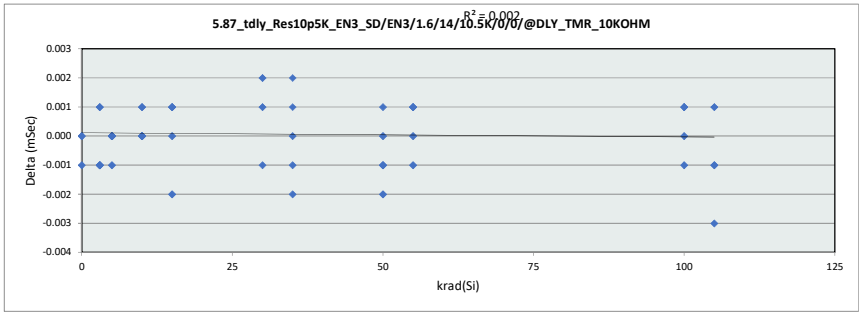


# TID HDR Report
# TPS7H3014-SP

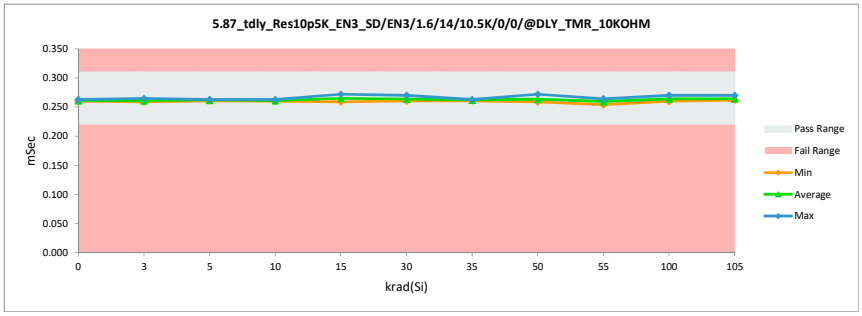
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.87_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.260 | -0.001 |
| 0 | 14 | 0.261 | 0.261 | 0.000 |
| 0 | 15 | 0.263 | 0.263 | 0.000 |
| 3 | 20 | 0.261 | 0.260 | -0.001 |
| 3 | 21 | 0.264 | 0.265 | 0.001 |
| 3 | 22 | 0.263 | 0.262 | -0.001 |
| 3 | 23 | 0.262 | 0.261 | -0.001 |
| 3 | 24 | 0.258 | 0.259 | 0.001 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.263 | 0.263 | 0.000 |
| 5 | 27 | 0.262 | 0.261 | -0.001 |
| 5 | 28 | 0.261 | 0.261 | 0.000 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.260 | 0.261 | 0.001 |
| 10 | 31 | 0.260 | 0.261 | 0.001 |
| 10 | 32 | 0.260 | 0.260 | 0.000 |
| 10 | 33 | 0.263 | 0.263 | 0.000 |
| 10 | 34 | 0.263 | 0.263 | 0.000 |
| 15 | 35 | 0.260 | 0.261 | 0.001 |
| 15 | 36 | 0.261 | 0.259 | -0.002 |
| 15 | 37 | 0.269 | 0.270 | 0.001 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.261 | 0.262 | 0.001 |
| 30 | 40 | 0.262 | 0.264 | 0.002 |
| 30 | 41 | 0.260 | 0.261 | 0.001 |
| 30 | 42 | 0.262 | 0.263 | 0.001 |
| 30 | 43 | 0.268 | 0.270 | 0.002 |
| 30 | 44 | 0.262 | 0.261 | -0.001 |
| 35 | 45 | 0.264 | 0.263 | -0.001 |
| 35 | 46 | 0.263 | 0.263 | 0.000 |
| 35 | 47 | 0.263 | 0.261 | -0.002 |
| 35 | 48 | 0.261 | 0.263 | 0.002 |
| 35 | 49 | 0.261 | 0.262 | 0.001 |
| 50 | 50 | 0.265 | 0.263 | -0.002 |
| 50 | 51 | 0.262 | 0.261 | -0.001 |
| 50 | 52 | 0.263 | 0.262 | -0.001 |
| 50 | 53 | 0.271 | 0.272 | 0.001 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.253 | 0.254 | 0.001 |
| 55 | 56 | 0.264 | 0.264 | 0.000 |
| 55 | 57 | 0.264 | 0.263 | -0.001 |
| 55 | 58 | 0.254 | 0.255 | 0.001 |
| 55 | 59 | 0.262 | 0.263 | 0.001 |
| 100 | 60 | 0.261 | 0.260 | -0.001 |
| 100 | 61 | 0.262 | 0.263 | 0.001 |
| 100 | 62 | 0.270 | 0.270 | 0.000 |
| 100 | 63 | 0.263 | 0.264 | 0.001 |
| 100 | 64 | 0.262 | 0.263 | 0.001 |
| 105 | 65 | 0.263 | 0.262 | -0.001 |
| 105 | 66 | 0.273 | 0.270 | -0.003 |
| 105 | 67 | 0.265 | 0.266 | 0.001 |
| 105 | 68 | 0.263 | 0.262 | -0.001 |
| 105 | 69 | 0.261 | 0.262 | 0.001 |
| | Max | 0.273 | 0.272 | 0.002 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.253 | 0.254 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.87_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.260 | 0.259 | 0.261 | 0.260 | 0.259 | 0.261 | 0.261 | 0.259 | 0.254 | 0.260 | 0.262 |
| Average | 0.261 | 0.261 | 0.262 | 0.262 | 0.265 | 0.264 | 0.262 | 0.263 | 0.260 | 0.264 | 0.264 |
| Max | 0.263 | 0.265 | 0.263 | 0.263 | 0.272 | 0.270 | 0.263 | 0.272 | 0.264 | 0.270 | 0.270 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

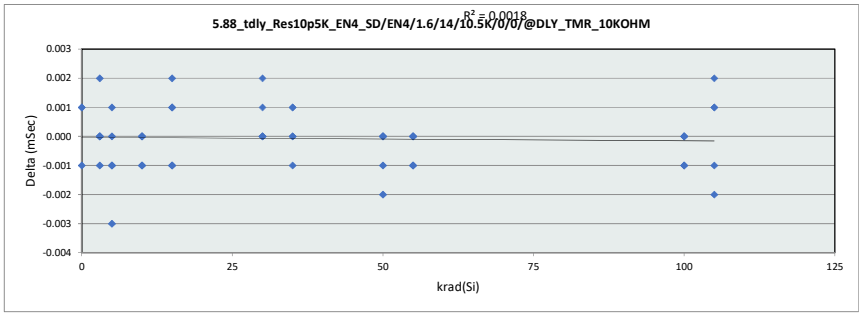


# TID HDR Report
# TPS7H3014-SP

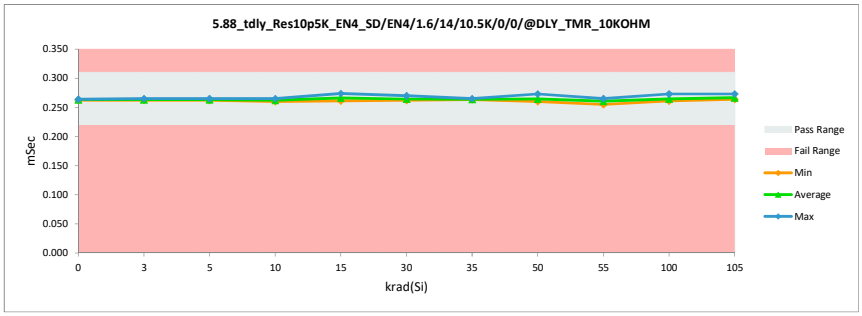
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.88_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.263 | 0.001 |
| 0 | 14 | 0.263 | 0.262 | -0.001 |
| 0 | 15 | 0.263 | 0.264 | 0.001 |
| 3 | 20 | 0.263 | 0.263 | 0.000 |
| 3 | 21 | 0.265 | 0.265 | 0.000 |
| 3 | 22 | 0.264 | 0.263 | -0.001 |
| 3 | 23 | 0.262 | 0.262 | 0.000 |
| 3 | 24 | 0.260 | 0.262 | 0.002 |
| 5 | 25 | 0.267 | 0.264 | -0.003 |
| 5 | 26 | 0.264 | 0.263 | -0.001 |
| 5 | 27 | 0.264 | 0.263 | -0.001 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.264 | 0.265 | 0.001 |
| 10 | 30 | 0.262 | 0.262 | 0.000 |
| 10 | 31 | 0.262 | 0.262 | 0.000 |
| 10 | 32 | 0.261 | 0.260 | -0.001 |
| 10 | 33 | 0.265 | 0.265 | 0.000 |
| 10 | 34 | 0.264 | 0.263 | -0.001 |
| 15 | 35 | 0.261 | 0.263 | 0.002 |
| 15 | 36 | 0.260 | 0.261 | 0.001 |
| 15 | 37 | 0.270 | 0.271 | 0.001 |
| 15 | 38 | 0.275 | 0.274 | -0.001 |
| 15 | 39 | 0.264 | 0.263 | -0.001 |
| 30 | 40 | 0.263 | 0.264 | 0.001 |
| 30 | 41 | 0.262 | 0.262 | 0.000 |
| 30 | 42 | 0.262 | 0.264 | 0.002 |
| 30 | 43 | 0.270 | 0.270 | 0.000 |
| 30 | 44 | 0.262 | 0.262 | 0.000 |
| 35 | 45 | 0.265 | 0.265 | 0.000 |
| 35 | 46 | 0.264 | 0.263 | -0.001 |
| 35 | 47 | 0.263 | 0.264 | 0.001 |
| 35 | 48 | 0.263 | 0.263 | 0.000 |
| 35 | 49 | 0.262 | 0.263 | 0.001 |
| 50 | 50 | 0.266 | 0.264 | -0.002 |
| 50 | 51 | 0.263 | 0.263 | 0.000 |
| 50 | 52 | 0.263 | 0.263 | 0.000 |
| 50 | 53 | 0.274 | 0.273 | -0.001 |
| 50 | 54 | 0.260 | 0.260 | 0.000 |
| 55 | 55 | 0.256 | 0.255 | -0.001 |
| 55 | 56 | 0.265 | 0.265 | 0.000 |
| 55 | 57 | 0.264 | 0.264 | 0.000 |
| 55 | 58 | 0.256 | 0.256 | 0.000 |
| 55 | 59 | 0.264 | 0.263 | -0.001 |
| 100 | 60 | 0.262 | 0.261 | -0.001 |
| 100 | 61 | 0.263 | 0.263 | 0.000 |
| 100 | 62 | 0.273 | 0.273 | 0.000 |
| 100 | 63 | 0.264 | 0.264 | 0.000 |
| 100 | 64 | 0.263 | 0.262 | -0.001 |
| 105 | 65 | 0.264 | 0.265 | 0.001 |
| 105 | 66 | 0.272 | 0.273 | 0.001 |
| 105 | 67 | 0.267 | 0.265 | -0.002 |
| 105 | 68 | 0.264 | 0.266 | 0.002 |
| 105 | 69 | 0.265 | 0.264 | -0.001 |
| | Max | 0.275 | 0.274 | 0.002 |
| | Average | 0.264 | 0.264 | 0.000 |
| | Min | 0.256 | 0.255 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.88_tdly_Res10p5K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.262 | 0.262 | 0.260 | 0.261 | 0.262 | 0.263 | 0.260 | 0.255 | 0.261 | 0.264 |
| Average | 0.263 | 0.263 | 0.263 | 0.262 | 0.266 | 0.264 | 0.264 | 0.265 | 0.261 | 0.265 | 0.267 |
| Max | 0.264 | 0.265 | 0.265 | 0.265 | 0.274 | 0.270 | 0.265 | 0.273 | 0.265 | 0.273 | 0.273 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

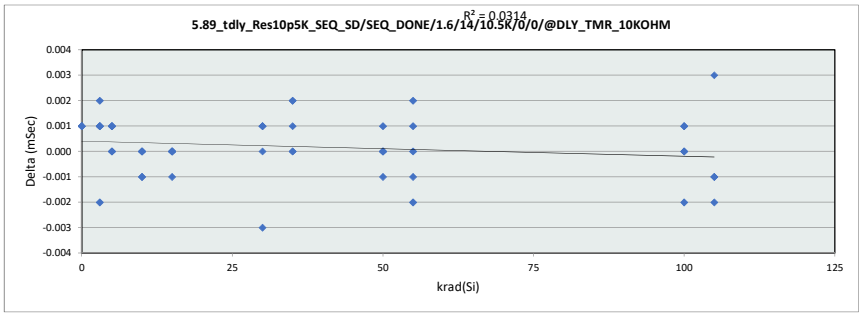


# TID HDR Report
# TPS7H3014-SP

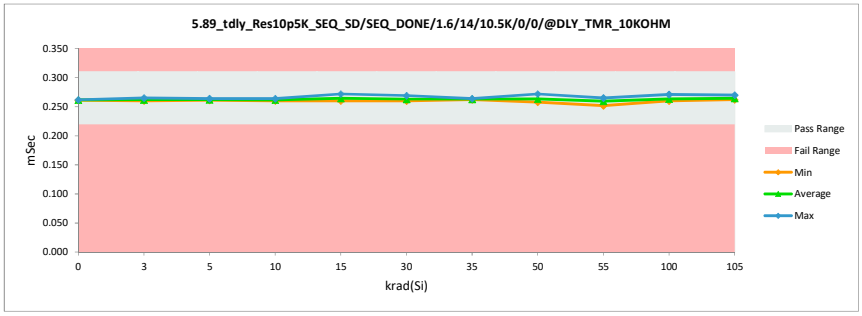
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.89_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.260 | 0.261 | 0.001 |
| 0 | 14 | 0.261 | 0.262 | 0.001 |
| 0 | 15 | 0.261 | 0.262 | 0.001 |
| 3 | 20 | 0.260 | 0.261 | 0.001 |
| 3 | 21 | 0.264 | 0.265 | 0.001 |
| 3 | 22 | 0.263 | 0.264 | 0.001 |
| 3 | 23 | 0.262 | 0.260 | -0.002 |
| 3 | 24 | 0.258 | 0.260 | 0.002 |
| 5 | 25 | 0.263 | 0.264 | 0.001 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.261 | 0.261 | 0.000 |
| 5 | 28 | 0.261 | 0.262 | 0.001 |
| 5 | 29 | 0.261 | 0.261 | 0.000 |
| 10 | 30 | 0.262 | 0.261 | -0.001 |
| 10 | 31 | 0.262 | 0.262 | 0.000 |
| 10 | 32 | 0.260 | 0.260 | 0.000 |
| 10 | 33 | 0.264 | 0.264 | 0.000 |
| 10 | 34 | 0.263 | 0.262 | -0.001 |
| 15 | 35 | 0.260 | 0.260 | 0.000 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.269 | 0.268 | -0.001 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.263 | 0.263 | 0.000 |
| 30 | 40 | 0.262 | 0.263 | 0.001 |
| 30 | 41 | 0.261 | 0.261 | 0.000 |
| 30 | 42 | 0.261 | 0.262 | 0.001 |
| 30 | 43 | 0.268 | 0.269 | 0.001 |
| 30 | 44 | 0.263 | 0.260 | -0.003 |
| 35 | 45 | 0.263 | 0.264 | 0.001 |
| 35 | 46 | 0.263 | 0.263 | 0.000 |
| 35 | 47 | 0.261 | 0.263 | 0.002 |
| 35 | 48 | 0.263 | 0.263 | 0.000 |
| 35 | 49 | 0.260 | 0.262 | 0.002 |
| 50 | 50 | 0.263 | 0.262 | -0.001 |
| 50 | 51 | 0.263 | 0.263 | 0.000 |
| 50 | 52 | 0.261 | 0.262 | 0.001 |
| 50 | 53 | 0.272 | 0.272 | 0.000 |
| 50 | 54 | 0.258 | 0.258 | 0.000 |
| 55 | 55 | 0.254 | 0.252 | -0.002 |
| 55 | 56 | 0.263 | 0.264 | 0.001 |
| 55 | 57 | 0.263 | 0.265 | 0.002 |
| 55 | 58 | 0.255 | 0.255 | 0.000 |
| 55 | 59 | 0.263 | 0.262 | -0.001 |
| 100 | 60 | 0.260 | 0.261 | 0.001 |
| 100 | 61 | 0.261 | 0.262 | 0.001 |
| 100 | 62 | 0.273 | 0.271 | -0.002 |
| 100 | 63 | 0.263 | 0.263 | 0.000 |
| 100 | 64 | 0.260 | 0.260 | 0.000 |
| 105 | 65 | 0.264 | 0.263 | -0.001 |
| 105 | 66 | 0.271 | 0.270 | -0.001 |
| 105 | 67 | 0.265 | 0.264 | -0.001 |
| 105 | 68 | 0.264 | 0.262 | -0.002 |
| 105 | 69 | 0.261 | 0.264 | 0.003 |
| | Max | 0.273 | 0.272 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.252 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.89_tdly_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.260 | 0.261 | 0.260 | 0.260 | 0.260 | 0.262 | 0.258 | 0.252 | 0.260 | 0.262 |
| Average | 0.262 | 0.262 | 0.262 | 0.262 | 0.265 | 0.263 | 0.263 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.262 | 0.265 | 0.264 | 0.264 | 0.272 | 0.269 | 0.264 | 0.272 | 0.265 | 0.271 | 0.270 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

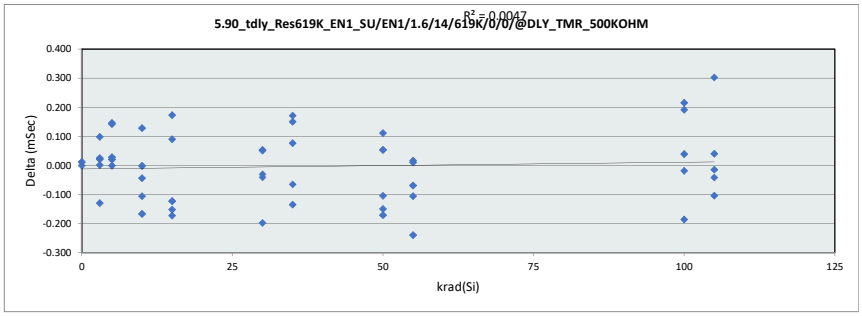


# TID HDR Report
# TPS7H3014-SP

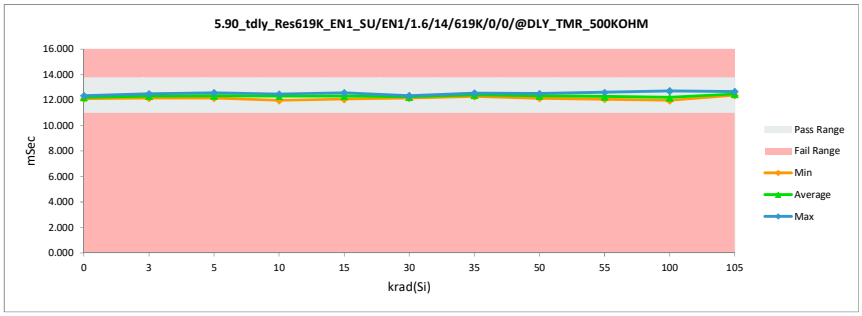
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.90_tdly_Res619K_EN1_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.204 | 12.217 | 0.013 |
| 0 | 14 | 12.344 | 12.356 | 0.012 |
| 0 | 15 | 12.109 | 12.109 | 0.000 |
| 3 | 20 | 12.470 | 12.492 | 0.022 |
| 3 | 21 | 12.548 | 12.419 | -0.129 |
| 3 | 22 | 12.320 | 12.322 | 0.002 |
| 3 | 23 | 12.055 | 12.154 | 0.099 |
| 3 | 24 | 12.156 | 12.182 | 0.026 |
| 5 | 25 | 12.338 | 12.367 | 0.029 |
| 5 | 26 | 12.551 | 12.572 | 0.021 |
| 5 | 27 | 12.148 | 12.295 | 0.147 |
| 5 | 28 | 12.175 | 12.175 | 0.000 |
| 5 | 29 | 12.188 | 12.331 | 0.143 |
| 10 | 30 | 12.400 | 12.399 | -0.001 |
| 10 | 31 | 12.528 | 12.485 | -0.043 |
| 10 | 32 | 12.210 | 12.339 | 0.129 |
| 10 | 33 | 12.536 | 12.370 | -0.166 |
| 10 | 34 | 12.082 | 11.977 | -0.105 |
| 15 | 35 | 12.223 | 12.101 | -0.122 |
| 15 | 36 | 12.248 | 12.076 | -0.172 |
| 15 | 37 | 12.441 | 12.532 | 0.091 |
| 15 | 38 | 12.721 | 12.570 | -0.151 |
| 15 | 39 | 12.137 | 12.311 | 0.174 |
| 30 | 40 | 12.514 | 12.317 | -0.197 |
| 30 | 41 | 12.233 | 12.285 | 0.052 |
| 30 | 42 | 12.223 | 12.193 | -0.030 |
| 30 | 43 | 12.386 | 12.346 | -0.040 |
| 30 | 44 | 12.100 | 12.155 | 0.055 |
| 35 | 45 | 12.266 | 12.417 | 0.151 |
| 35 | 46 | 12.613 | 12.549 | -0.064 |
| 35 | 47 | 12.148 | 12.320 | 0.172 |
| 35 | 48 | 12.439 | 12.305 | -0.134 |
| 35 | 49 | 12.381 | 12.458 | 0.077 |
| 50 | 50 | 12.496 | 12.392 | -0.104 |
| 50 | 51 | 12.380 | 12.231 | -0.149 |
| 50 | 52 | 12.343 | 12.397 | 0.054 |
| 50 | 53 | 12.689 | 12.519 | -0.170 |
| 50 | 54 | 12.029 | 12.141 | 0.112 |
| 55 | 55 | 12.133 | 12.065 | -0.068 |
| 55 | 56 | 12.327 | 12.344 | 0.017 |
| 55 | 57 | 12.600 | 12.611 | 0.011 |
| 55 | 58 | 12.186 | 12.081 | -0.105 |
| 55 | 59 | 12.591 | 12.352 | -0.239 |
| 100 | 60 | 12.162 | 11.977 | -0.185 |
| 100 | 61 | 12.013 | 12.205 | 0.192 |
| 100 | 62 | 12.509 | 12.725 | 0.216 |
| 100 | 63 | 12.096 | 12.078 | -0.018 |
| 100 | 64 | 12.036 | 12.076 | 0.040 |
| 105 | 65 | 12.416 | 12.402 | -0.014 |
| 105 | 66 | 12.542 | 12.501 | -0.041 |
| 105 | 67 | 12.485 | 12.382 | -0.103 |
| 105 | 68 | 12.395 | 12.436 | 0.041 |
| 105 | 69 | 12.371 | 12.674 | 0.303 |
| | Max | 12.721 | 12.725 | 0.303 |
| | Average | 12.325 | 12.322 | -0.003 |
| | Min | 12.013 | 11.977 | -0.239 |
| | Std Dev | 0.187 | 0.176 | 0.119 |




| | 5.90_tdly_Res619K_EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.109 | 12.154 | 12.175 | 11.977 | 12.076 | 12.155 | 12.305 | 12.141 | 12.065 | 11.977 | 12.382 |
| Average | 12.227 | 12.314 | 12.348 | 12.314 | 12.318 | 12.259 | 12.410 | 12.336 | 12.291 | 12.212 | 12.479 |
| Max | 12.356 | 12.492 | 12.572 | 12.485 | 12.570 | 12.346 | 12.549 | 12.519 | 12.611 | 12.725 | 12.674 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

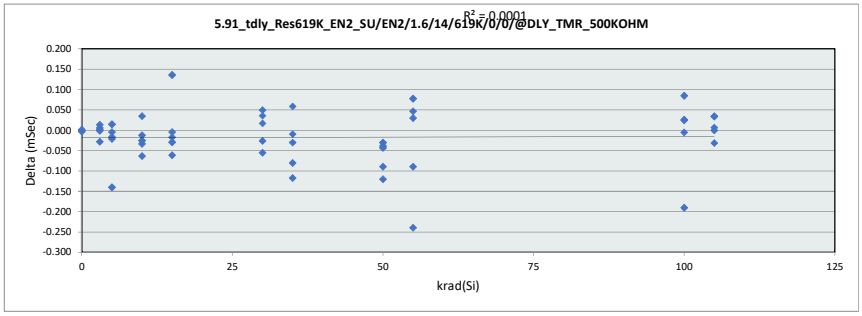


# TID HDR Report
# TPS7H3014-SP

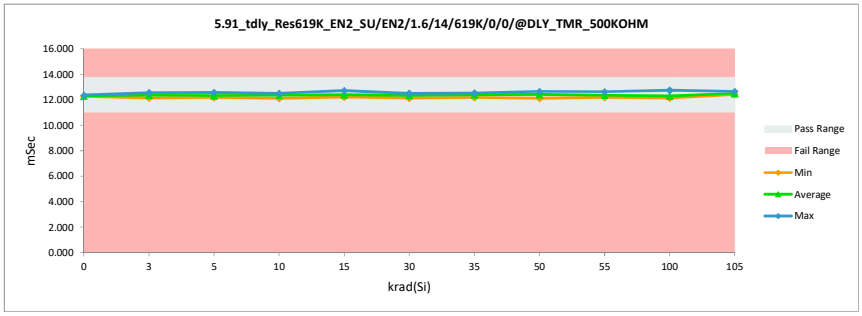
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.91_tdly_Res619K_EN2_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.343 | 12.343 | 0.000 |
| 0 | 14 | 12.372 | 12.369 | -0.003 |
| 0 | 15 | 12.273 | 12.275 | 0.002 |
| 3 | 20 | 12.454 | 12.460 | 0.006 |
| 3 | 21 | 12.559 | 12.558 | -0.001 |
| 3 | 22 | 12.474 | 12.488 | 0.014 |
| 3 | 23 | 12.180 | 12.152 | -0.028 |
| 3 | 24 | 12.179 | 12.181 | 0.002 |
| 5 | 25 | 12.358 | 12.373 | 0.015 |
| 5 | 26 | 12.575 | 12.571 | -0.004 |
| 5 | 27 | 12.298 | 12.282 | -0.016 |
| 5 | 28 | 12.316 | 12.176 | -0.140 |
| 5 | 29 | 12.323 | 12.302 | -0.021 |
| 10 | 30 | 12.412 | 12.400 | -0.012 |
| 10 | 31 | 12.543 | 12.480 | -0.063 |
| 10 | 32 | 12.341 | 12.316 | -0.025 |
| 10 | 33 | 12.544 | 12.511 | -0.033 |
| 10 | 34 | 12.092 | 12.127 | 0.035 |
| 15 | 35 | 12.224 | 12.220 | -0.004 |
| 15 | 36 | 12.240 | 12.223 | -0.017 |
| 15 | 37 | 12.615 | 12.554 | -0.061 |
| 15 | 38 | 12.745 | 12.716 | -0.029 |
| 15 | 39 | 12.163 | 12.299 | 0.136 |
| 30 | 40 | 12.535 | 12.480 | -0.055 |
| 30 | 41 | 12.241 | 12.277 | 0.036 |
| 30 | 42 | 12.332 | 12.349 | 0.017 |
| 30 | 43 | 12.526 | 12.500 | -0.026 |
| 30 | 44 | 12.088 | 12.138 | 0.050 |
| 35 | 45 | 12.438 | 12.408 | -0.030 |
| 35 | 46 | 12.609 | 12.529 | -0.080 |
| 35 | 47 | 12.299 | 12.182 | -0.117 |
| 35 | 48 | 12.427 | 12.418 | -0.009 |
| 35 | 49 | 12.389 | 12.448 | 0.059 |
| 50 | 50 | 12.651 | 12.531 | -0.120 |
| 50 | 51 | 12.388 | 12.358 | -0.030 |
| 50 | 52 | 12.488 | 12.399 | -0.089 |
| 50 | 53 | 12.712 | 12.669 | -0.043 |
| 50 | 54 | 12.163 | 12.125 | -0.038 |
| 55 | 55 | 12.119 | 12.197 | 0.078 |
| 55 | 56 | 12.479 | 12.240 | -0.239 |
| 55 | 57 | 12.591 | 12.638 | 0.047 |
| 55 | 58 | 12.206 | 12.236 | 0.030 |
| 55 | 59 | 12.602 | 12.513 | -0.089 |
| 100 | 60 | 12.330 | 12.140 | -0.190 |
| 100 | 61 | 12.157 | 12.182 | 0.025 |
| 100 | 62 | 12.666 | 12.751 | 0.085 |
| 100 | 63 | 12.219 | 12.214 | -0.005 |
| 100 | 64 | 12.176 | 12.202 | 0.026 |
| 105 | 65 | 12.413 | 12.413 | 0.000 |
| 105 | 66 | 12.700 | 12.669 | -0.031 |
| 105 | 67 | 12.477 | 12.512 | 0.035 |
| 105 | 68 | 12.401 | 12.435 | 0.034 |
| 105 | 69 | 12.510 | 12.517 | 0.007 |
| | Max | 12.745 | 12.751 | 0.136 |
| | Average | 12.395 | 12.378 | -0.017 |
| | Min | 12.088 | 12.125 | -0.239 |
| | Std Dev | 0.175 | 0.167 | 0.065 |




| | 5.91_tdly_Res619K_EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.275 | 12.152 | 12.176 | 12.127 | 12.220 | 12.138 | 12.182 | 12.125 | 12.197 | 12.140 | 12.413 |
| Average | 12.329 | 12.368 | 12.341 | 12.367 | 12.402 | 12.349 | 12.397 | 12.416 | 12.365 | 12.298 | 12.509 |
| Max | 12.369 | 12.558 | 12.571 | 12.511 | 12.716 | 12.500 | 12.529 | 12.669 | 12.638 | 12.751 | 12.669 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

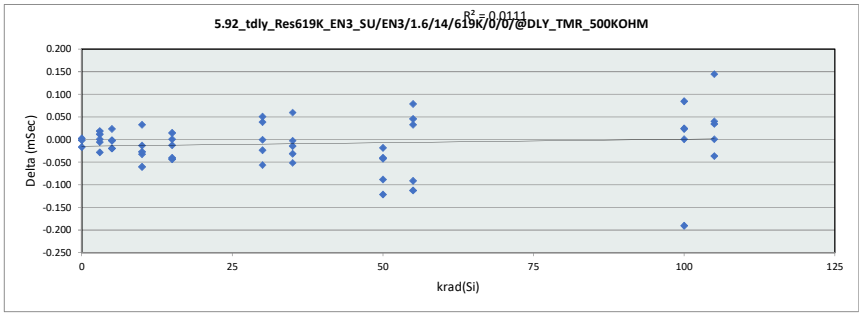


# TID HDR Report
# TPS7H3014-SP

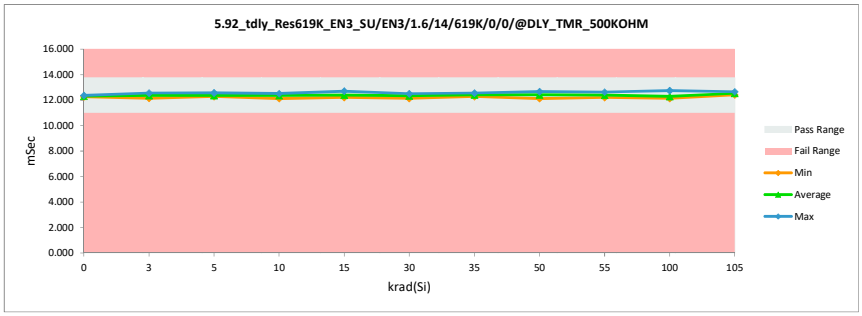
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.92_tdly_Res619K_EN3_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.345 | 12.329 | -0.016 |
| 0 | 14 | 12.369 | 12.372 | 0.003 |
| 0 | 15 | 12.276 | 12.275 | -0.001 |
| 3 | 20 | 12.454 | 12.473 | 0.019 |
| 3 | 21 | 12.561 | 12.562 | 0.001 |
| 3 | 22 | 12.478 | 12.490 | 0.012 |
| 3 | 23 | 12.179 | 12.151 | -0.028 |
| 3 | 24 | 12.178 | 12.173 | -0.005 |
| 5 | 25 | 12.359 | 12.383 | 0.024 |
| 5 | 26 | 12.574 | 12.572 | -0.002 |
| 5 | 27 | 12.298 | 12.279 | -0.019 |
| 5 | 28 | 12.318 | 12.317 | -0.001 |
| 5 | 29 | 12.323 | 12.304 | -0.019 |
| 10 | 30 | 12.414 | 12.401 | -0.013 |
| 10 | 31 | 12.543 | 12.483 | -0.060 |
| 10 | 32 | 12.345 | 12.318 | -0.027 |
| 10 | 33 | 12.547 | 12.515 | -0.032 |
| 10 | 34 | 12.096 | 12.129 | 0.033 |
| 15 | 35 | 12.207 | 12.222 | 0.015 |
| 15 | 36 | 12.240 | 12.228 | -0.012 |
| 15 | 37 | 12.596 | 12.553 | -0.043 |
| 15 | 38 | 12.747 | 12.707 | -0.040 |
| 15 | 39 | 12.299 | 12.300 | 0.001 |
| 30 | 40 | 12.537 | 12.481 | -0.056 |
| 30 | 41 | 12.243 | 12.282 | 0.039 |
| 30 | 42 | 12.351 | 12.351 | 0.000 |
| 30 | 43 | 12.528 | 12.505 | -0.023 |
| 30 | 44 | 12.087 | 12.138 | 0.051 |
| 35 | 45 | 12.440 | 12.409 | -0.031 |
| 35 | 46 | 12.610 | 12.559 | -0.051 |
| 35 | 47 | 12.300 | 12.286 | -0.014 |
| 35 | 48 | 12.429 | 12.427 | -0.002 |
| 35 | 49 | 12.390 | 12.450 | 0.060 |
| 50 | 50 | 12.653 | 12.532 | -0.121 |
| 50 | 51 | 12.388 | 12.370 | -0.018 |
| 50 | 52 | 12.489 | 12.401 | -0.088 |
| 50 | 53 | 12.712 | 12.670 | -0.042 |
| 50 | 54 | 12.166 | 12.126 | -0.040 |
| 55 | 55 | 12.121 | 12.200 | 0.079 |
| 55 | 56 | 12.480 | 12.368 | -0.112 |
| 55 | 57 | 12.594 | 12.640 | 0.046 |
| 55 | 58 | 12.207 | 12.240 | 0.033 |
| 55 | 59 | 12.603 | 12.512 | -0.091 |
| 100 | 60 | 12.332 | 12.142 | -0.190 |
| 100 | 61 | 12.158 | 12.182 | 0.024 |
| 100 | 62 | 12.667 | 12.752 | 0.085 |
| 100 | 63 | 12.217 | 12.218 | 0.001 |
| 100 | 64 | 12.179 | 12.204 | 0.025 |
| 105 | 65 | 12.413 | 12.414 | 0.001 |
| 105 | 66 | 12.702 | 12.666 | -0.036 |
| 105 | 67 | 12.478 | 12.513 | 0.035 |
| 105 | 68 | 12.396 | 12.437 | 0.041 |
| 105 | 69 | 12.513 | 12.658 | 0.145 |
| | Max | 12.747 | 12.752 | 0.145 |
| | Average | 12.399 | 12.390 | -0.009 |
| | Min | 12.087 | 12.126 | -0.190 |
| | Std Dev | 0.172 | 0.166 | 0.054 |




| | 5.92_tdly_Res619K_EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.275 | 12.151 | 12.279 | 12.129 | 12.222 | 12.138 | 12.286 | 12.126 | 12.200 | 12.142 | 12.414 |
| Average | 12.325 | 12.370 | 12.371 | 12.369 | 12.402 | 12.351 | 12.426 | 12.420 | 12.392 | 12.300 | 12.538 |
| Max | 12.372 | 12.562 | 12.572 | 12.515 | 12.707 | 12.505 | 12.559 | 12.670 | 12.640 | 12.752 | 12.666 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

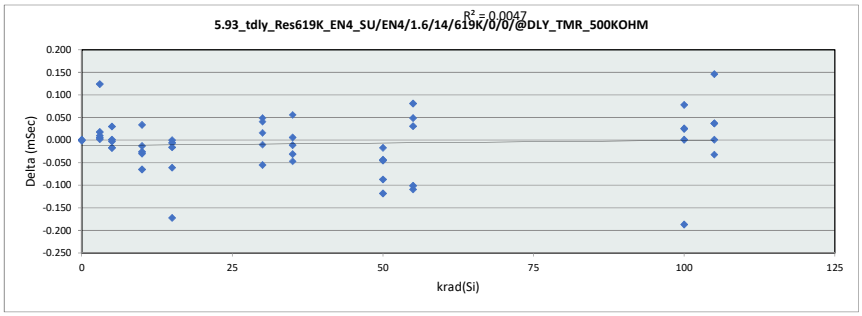


# TID HDR Report
# TPS7H3014-SP

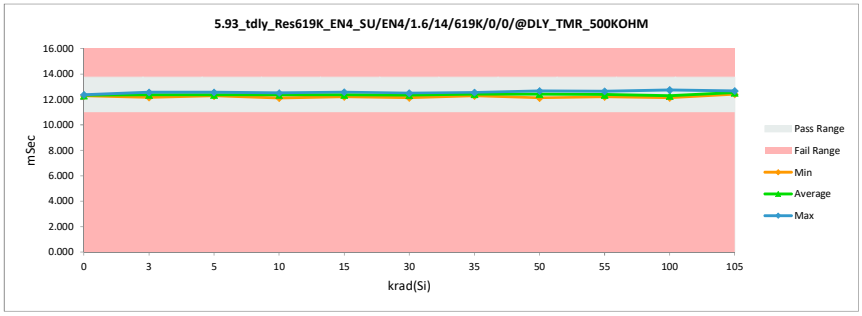
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.93_tdly_Res619K_EN4_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.347 | 12.348 | 0.001 |
| 0 | 14 | 12.374 | 12.374 | 0.000 |
| 0 | 15 | 12.279 | 12.278 | -0.001 |
| 3 | 20 | 12.456 | 12.474 | 0.018 |
| 3 | 21 | 12.562 | 12.564 | 0.002 |
| 3 | 22 | 12.479 | 12.489 | 0.010 |
| 3 | 23 | 12.042 | 12.166 | 0.124 |
| 3 | 24 | 12.182 | 12.187 | 0.005 |
| 5 | 25 | 12.361 | 12.391 | 0.030 |
| 5 | 26 | 12.577 | 12.574 | -0.003 |
| 5 | 27 | 12.293 | 12.276 | -0.017 |
| 5 | 28 | 12.318 | 12.319 | 0.001 |
| 5 | 29 | 12.327 | 12.310 | -0.017 |
| 10 | 30 | 12.416 | 12.403 | -0.013 |
| 10 | 31 | 12.546 | 12.481 | -0.065 |
| 10 | 32 | 12.345 | 12.319 | -0.026 |
| 10 | 33 | 12.547 | 12.517 | -0.030 |
| 10 | 34 | 12.096 | 12.130 | 0.034 |
| 15 | 35 | 12.228 | 12.222 | -0.006 |
| 15 | 36 | 12.243 | 12.227 | -0.016 |
| 15 | 37 | 12.620 | 12.559 | -0.061 |
| 15 | 38 | 12.751 | 12.579 | -0.172 |
| 15 | 39 | 12.302 | 12.302 | 0.000 |
| 30 | 40 | 12.539 | 12.484 | -0.055 |
| 30 | 41 | 12.241 | 12.282 | 0.041 |
| 30 | 42 | 12.336 | 12.352 | 0.016 |
| 30 | 43 | 12.516 | 12.506 | -0.010 |
| 30 | 44 | 12.091 | 12.140 | 0.049 |
| 35 | 45 | 12.444 | 12.413 | -0.031 |
| 35 | 46 | 12.609 | 12.562 | -0.047 |
| 35 | 47 | 12.304 | 12.293 | -0.011 |
| 35 | 48 | 12.427 | 12.433 | 0.006 |
| 35 | 49 | 12.389 | 12.445 | 0.056 |
| 50 | 50 | 12.654 | 12.536 | -0.118 |
| 50 | 51 | 12.390 | 12.373 | -0.017 |
| 50 | 52 | 12.490 | 12.403 | -0.087 |
| 50 | 53 | 12.716 | 12.671 | -0.045 |
| 50 | 54 | 12.170 | 12.127 | -0.043 |
| 55 | 55 | 12.123 | 12.204 | 0.081 |
| 55 | 56 | 12.480 | 12.371 | -0.109 |
| 55 | 57 | 12.596 | 12.645 | 0.049 |
| 55 | 58 | 12.209 | 12.240 | 0.031 |
| 55 | 59 | 12.604 | 12.503 | -0.101 |
| 100 | 60 | 12.331 | 12.144 | -0.187 |
| 100 | 61 | 12.161 | 12.186 | 0.025 |
| 100 | 62 | 12.671 | 12.749 | 0.078 |
| 100 | 63 | 12.220 | 12.221 | 0.001 |
| 100 | 64 | 12.180 | 12.206 | 0.026 |
| 105 | 65 | 12.415 | 12.416 | 0.001 |
| 105 | 66 | 12.706 | 12.674 | -0.032 |
| 105 | 67 | 12.478 | 12.515 | 0.037 |
| 105 | 68 | 12.405 | 12.442 | 0.037 |
| 105 | 69 | 12.513 | 12.659 | 0.146 |
| | Max | 12.751 | 12.749 | 0.146 |
| | Average | 12.398 | 12.390 | -0.008 |
| | Min | 12.042 | 12.127 | -0.187 |
| | Std Dev | 0.177 | 0.161 | 0.061 |




| | 5.93_tdly_Res619K_EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.278 | 12.166 | 12.276 | 12.130 | 12.222 | 12.140 | 12.293 | 12.127 | 12.204 | 12.144 | 12.416 |
| Average | 12.333 | 12.376 | 12.374 | 12.370 | 12.378 | 12.353 | 12.429 | 12.422 | 12.393 | 12.301 | 12.541 |
| Max | 12.374 | 12.564 | 12.574 | 12.517 | 12.579 | 12.506 | 12.562 | 12.671 | 12.645 | 12.749 | 12.674 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

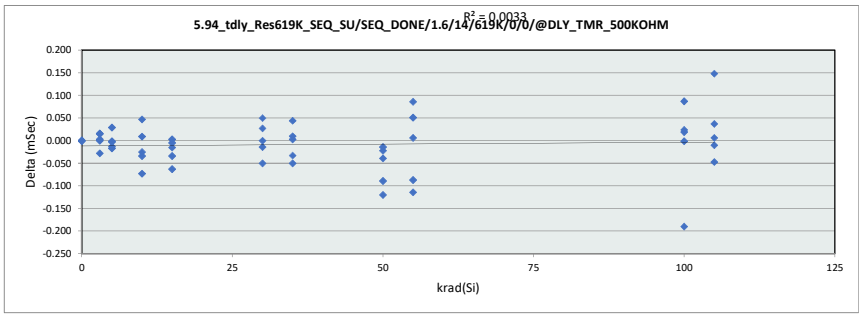


# TID HDR Report
# TPS7H3014-SP

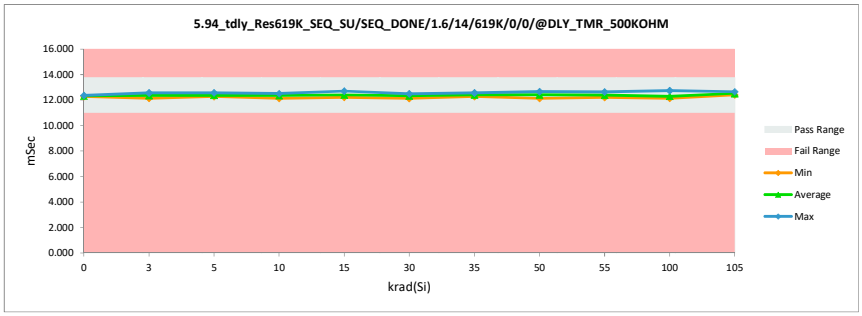
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.94_tdly_Res619K_SEQ_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.347 | 12.348 | 0.001 |
| 0 | 14 | 12.374 | 12.373 | -0.001 |
| 0 | 15 | 12.277 | 12.277 | 0.000 |
| 3 | 20 | 12.459 | 12.475 | 0.016 |
| 3 | 21 | 12.563 | 12.563 | 0.000 |
| 3 | 22 | 12.481 | 12.496 | 0.015 |
| 3 | 23 | 12.182 | 12.154 | -0.028 |
| 3 | 24 | 12.184 | 12.187 | 0.003 |
| 5 | 25 | 12.362 | 12.391 | 0.029 |
| 5 | 26 | 12.579 | 12.576 | -0.003 |
| 5 | 27 | 12.300 | 12.283 | -0.017 |
| 5 | 28 | 12.320 | 12.319 | -0.001 |
| 5 | 29 | 12.326 | 12.313 | -0.013 |
| 10 | 30 | 12.397 | 12.406 | 0.009 |
| 10 | 31 | 12.547 | 12.474 | -0.073 |
| 10 | 32 | 12.347 | 12.322 | -0.025 |
| 10 | 33 | 12.549 | 12.515 | -0.034 |
| 10 | 34 | 12.083 | 12.130 | 0.047 |
| 15 | 35 | 12.229 | 12.224 | -0.005 |
| 15 | 36 | 12.245 | 12.230 | -0.015 |
| 15 | 37 | 12.621 | 12.558 | -0.063 |
| 15 | 38 | 12.749 | 12.715 | -0.034 |
| 15 | 39 | 12.301 | 12.304 | 0.003 |
| 30 | 40 | 12.529 | 12.479 | -0.050 |
| 30 | 41 | 12.245 | 12.272 | 0.027 |
| 30 | 42 | 12.353 | 12.353 | 0.000 |
| 30 | 43 | 12.513 | 12.499 | -0.014 |
| 30 | 44 | 12.091 | 12.141 | 0.050 |
| 35 | 45 | 12.443 | 12.410 | -0.033 |
| 35 | 46 | 12.612 | 12.562 | -0.050 |
| 35 | 47 | 12.288 | 12.291 | 0.003 |
| 35 | 48 | 12.431 | 12.441 | 0.010 |
| 35 | 49 | 12.391 | 12.435 | 0.044 |
| 50 | 50 | 12.657 | 12.537 | -0.120 |
| 50 | 51 | 12.392 | 12.370 | -0.022 |
| 50 | 52 | 12.493 | 12.404 | -0.089 |
| 50 | 53 | 12.686 | 12.672 | -0.014 |
| 50 | 54 | 12.168 | 12.129 | -0.039 |
| 55 | 55 | 12.121 | 12.207 | 0.086 |
| 55 | 56 | 12.484 | 12.370 | -0.114 |
| 55 | 57 | 12.595 | 12.646 | 0.051 |
| 55 | 58 | 12.211 | 12.217 | 0.006 |
| 55 | 59 | 12.606 | 12.519 | -0.087 |
| 100 | 60 | 12.334 | 12.144 | -0.190 |
| 100 | 61 | 12.159 | 12.178 | 0.019 |
| 100 | 62 | 12.666 | 12.753 | 0.087 |
| 100 | 63 | 12.220 | 12.219 | -0.001 |
| 100 | 64 | 12.182 | 12.206 | 0.024 |
| 105 | 65 | 12.416 | 12.406 | -0.010 |
| 105 | 66 | 12.704 | 12.657 | -0.047 |
| 105 | 67 | 12.482 | 12.488 | 0.006 |
| 105 | 68 | 12.407 | 12.444 | 0.037 |
| 105 | 69 | 12.513 | 12.661 | 0.148 |
| | Max | 12.749 | 12.753 | 0.148 |
| | Average | 12.400 | 12.391 | -0.009 |
| | Min | 12.083 | 12.129 | -0.190 |
| | Std Dev | 0.172 | 0.165 | 0.054 |




| | 5.94_tdly_Res619K_SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.277 | 12.154 | 12.283 | 12.130 | 12.224 | 12.141 | 12.291 | 12.129 | 12.207 | 12.144 | 12.406 |
| Average | 12.333 | 12.375 | 12.376 | 12.369 | 12.406 | 12.349 | 12.428 | 12.422 | 12.392 | 12.300 | 12.531 |
| Max | 12.373 | 12.563 | 12.576 | 12.515 | 12.715 | 12.499 | 12.562 | 12.672 | 12.646 | 12.753 | 12.661 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

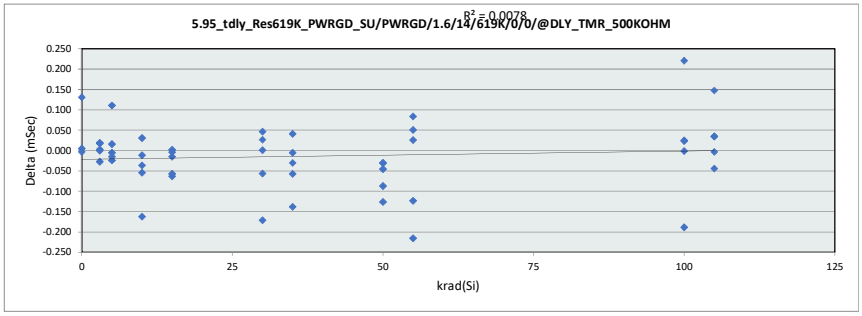


# TID HDR Report
# TPS7H3014-SP

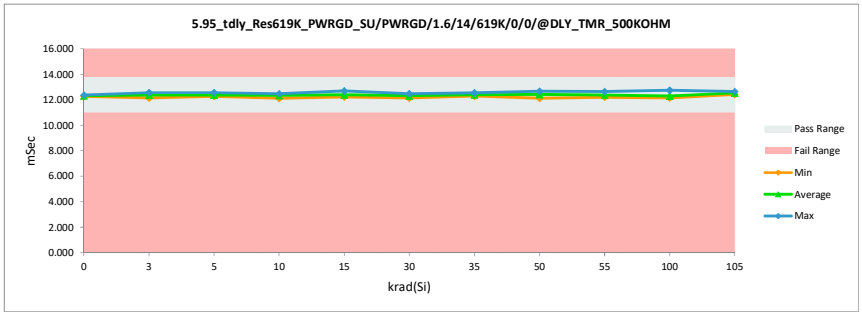
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.95_tdly_Res619K_PWRG | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.339 | 12.344 | 0.005 |
| 0 | 14 | 12.238 | 12.369 | 0.131 |
| 0 | 15 | 12.275 | 12.272 | -0.003 |
| 3 | 20 | 12.451 | 12.469 | 0.018 |
| 3 | 21 | 12.558 | 12.558 | 0.000 |
| 3 | 22 | 12.469 | 12.488 | 0.019 |
| 3 | 23 | 12.177 | 12.150 | -0.027 |
| 3 | 24 | 12.178 | 12.181 | 0.003 |
| 5 | 25 | 12.358 | 12.374 | 0.016 |
| 5 | 26 | 12.574 | 12.569 | -0.005 |
| 5 | 27 | 12.298 | 12.283 | -0.015 |
| 5 | 28 | 12.316 | 12.292 | -0.024 |
| 5 | 29 | 12.195 | 12.306 | 0.111 |
| 10 | 30 | 12.411 | 12.400 | -0.011 |
| 10 | 31 | 12.529 | 12.475 | -0.054 |
| 10 | 32 | 12.341 | 12.305 | -0.036 |
| 10 | 33 | 12.543 | 12.381 | -0.162 |
| 10 | 34 | 12.092 | 12.123 | 0.031 |
| 15 | 35 | 12.224 | 12.220 | -0.004 |
| 15 | 36 | 12.239 | 12.224 | -0.015 |
| 15 | 37 | 12.615 | 12.552 | -0.063 |
| 15 | 38 | 12.747 | 12.690 | -0.057 |
| 15 | 39 | 12.296 | 12.298 | 0.002 |
| 30 | 40 | 12.534 | 12.478 | -0.056 |
| 30 | 41 | 12.241 | 12.268 | 0.027 |
| 30 | 42 | 12.347 | 12.348 | 0.001 |
| 30 | 43 | 12.526 | 12.355 | -0.171 |
| 30 | 44 | 12.085 | 12.132 | 0.047 |
| 35 | 45 | 12.437 | 12.407 | -0.030 |
| 35 | 46 | 12.608 | 12.551 | -0.057 |
| 35 | 47 | 12.299 | 12.294 | -0.005 |
| 35 | 48 | 12.426 | 12.288 | -0.138 |
| 35 | 49 | 12.385 | 12.426 | 0.041 |
| 50 | 50 | 12.651 | 12.525 | -0.126 |
| 50 | 51 | 12.386 | 12.356 | -0.030 |
| 50 | 52 | 12.486 | 12.399 | -0.087 |
| 50 | 53 | 12.712 | 12.667 | -0.045 |
| 50 | 54 | 12.154 | 12.123 | -0.031 |
| 55 | 55 | 12.117 | 12.201 | 0.084 |
| 55 | 56 | 12.477 | 12.354 | -0.123 |
| 55 | 57 | 12.589 | 12.640 | 0.051 |
| 55 | 58 | 12.207 | 12.233 | 0.026 |
| 55 | 59 | 12.601 | 12.386 | -0.215 |
| 100 | 60 | 12.328 | 12.140 | -0.188 |
| 100 | 61 | 12.157 | 12.182 | 0.025 |
| 100 | 62 | 12.527 | 12.748 | 0.221 |
| 100 | 63 | 12.217 | 12.216 | -0.001 |
| 100 | 64 | 12.175 | 12.199 | 0.024 |
| 105 | 65 | 12.414 | 12.411 | -0.003 |
| 105 | 66 | 12.702 | 12.658 | -0.044 |
| 105 | 67 | 12.475 | 12.510 | 0.035 |
| 105 | 68 | 12.402 | 12.437 | 0.035 |
| 105 | 69 | 12.508 | 12.656 | 0.148 |
| | Max | 12.747 | 12.748 | 0.221 |
| | Average | 12.389 | 12.376 | -0.014 |
| | Min | 12.085 | 12.123 | -0.215 |
| | Std Dev | 0.173 | 0.162 | 0.080 |




| | 5.95_tdly_Res619K_PWR | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.272 | 12.150 | 12.283 | 12.123 | 12.220 | 12.132 | 12.288 | 12.123 | 12.201 | 12.140 | 12.411 |
| Average | 12.328 | 12.369 | 12.365 | 12.337 | 12.397 | 12.316 | 12.393 | 12.414 | 12.363 | 12.297 | 12.534 |
| Max | 12.369 | 12.558 | 12.569 | 12.475 | 12.690 | 12.478 | 12.551 | 12.667 | 12.640 | 12.748 | 12.658 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

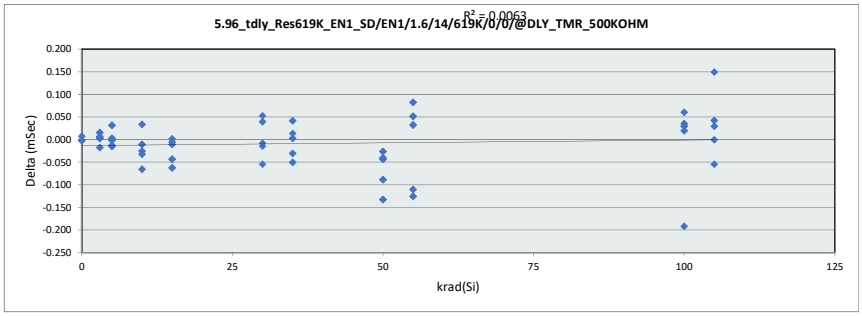


# TID HDR Report
# TPS7H3014-SP

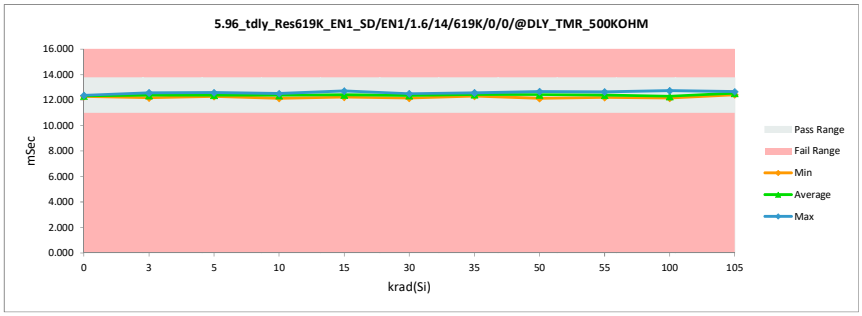
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.96_tdly_Res619K_EN1_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.348 | 12.356 | 0.008 |
| 0 | 14 | 12.385 | 12.383 | -0.002 |
| 0 | 15 | 12.288 | 12.287 | -0.001 |
| 3 | 20 | 12.466 | 12.473 | 0.007 |
| 3 | 21 | 12.571 | 12.574 | 0.003 |
| 3 | 22 | 12.488 | 12.504 | 0.016 |
| 3 | 23 | 12.194 | 12.177 | -0.017 |
| 3 | 24 | 12.191 | 12.195 | 0.004 |
| 5 | 25 | 12.370 | 12.402 | 0.032 |
| 5 | 26 | 12.580 | 12.583 | 0.003 |
| 5 | 27 | 12.309 | 12.294 | -0.015 |
| 5 | 28 | 12.329 | 12.328 | -0.001 |
| 5 | 29 | 12.335 | 12.323 | -0.012 |
| 10 | 30 | 12.425 | 12.415 | -0.010 |
| 10 | 31 | 12.556 | 12.491 | -0.065 |
| 10 | 32 | 12.356 | 12.331 | -0.025 |
| 10 | 33 | 12.559 | 12.527 | -0.032 |
| 10 | 34 | 12.107 | 12.141 | 0.034 |
| 15 | 35 | 12.237 | 12.232 | -0.005 |
| 15 | 36 | 12.247 | 12.237 | -0.010 |
| 15 | 37 | 12.629 | 12.567 | -0.062 |
| 15 | 38 | 12.758 | 12.715 | -0.043 |
| 15 | 39 | 12.311 | 12.313 | 0.002 |
| 30 | 40 | 12.547 | 12.493 | -0.054 |
| 30 | 41 | 12.252 | 12.292 | 0.040 |
| 30 | 42 | 12.362 | 12.355 | -0.007 |
| 30 | 43 | 12.525 | 12.511 | -0.014 |
| 30 | 44 | 12.099 | 12.152 | 0.053 |
| 35 | 45 | 12.452 | 12.422 | -0.030 |
| 35 | 46 | 12.622 | 12.572 | -0.050 |
| 35 | 47 | 12.312 | 12.315 | 0.003 |
| 35 | 48 | 12.440 | 12.454 | 0.014 |
| 35 | 49 | 12.401 | 12.443 | 0.042 |
| 50 | 50 | 12.664 | 12.532 | -0.132 |
| 50 | 51 | 12.400 | 12.374 | -0.026 |
| 50 | 52 | 12.500 | 12.412 | -0.088 |
| 50 | 53 | 12.723 | 12.680 | -0.043 |
| 50 | 54 | 12.176 | 12.136 | -0.040 |
| 55 | 55 | 12.132 | 12.215 | 0.083 |
| 55 | 56 | 12.489 | 12.379 | -0.110 |
| 55 | 57 | 12.604 | 12.656 | 0.052 |
| 55 | 58 | 12.217 | 12.250 | 0.033 |
| 55 | 59 | 12.615 | 12.490 | -0.125 |
| 100 | 60 | 12.344 | 12.153 | -0.191 |
| 100 | 61 | 12.161 | 12.197 | 0.036 |
| 100 | 62 | 12.680 | 12.741 | 0.061 |
| 100 | 63 | 12.200 | 12.230 | 0.030 |
| 100 | 64 | 12.192 | 12.212 | 0.020 |
| 105 | 65 | 12.426 | 12.426 | 0.000 |
| 105 | 66 | 12.714 | 12.660 | -0.054 |
| 105 | 67 | 12.492 | 12.522 | 0.030 |
| 105 | 68 | 12.410 | 12.453 | 0.043 |
| 105 | 69 | 12.521 | 12.671 | 0.150 |
| | Max | 12.758 | 12.741 | 0.150 |
| | Average | 12.410 | 12.401 | -0.009 |
| | Min | 12.099 | 12.136 | -0.191 |
| | Std Dev | 0.173 | 0.162 | 0.056 |




| | 5.96_tdly_Res619K_EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.287 | 12.177 | 12.294 | 12.141 | 12.232 | 12.152 | 12.315 | 12.136 | 12.215 | 12.153 | 12.426 |
| Average | 12.342 | 12.385 | 12.386 | 12.381 | 12.413 | 12.361 | 12.441 | 12.427 | 12.398 | 12.307 | 12.546 |
| Max | 12.383 | 12.574 | 12.583 | 12.527 | 12.715 | 12.511 | 12.572 | 12.680 | 12.656 | 12.741 | 12.671 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

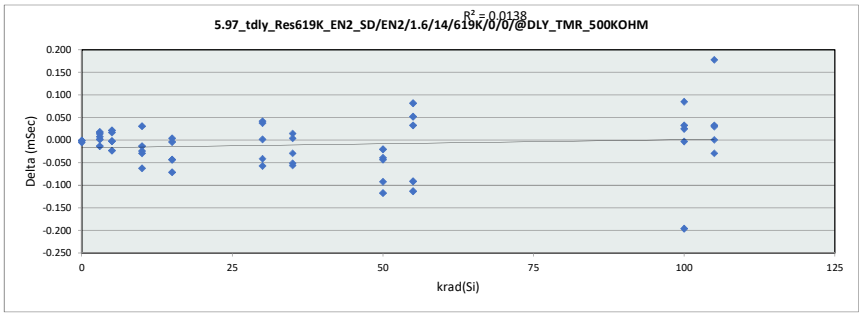


# TID HDR Report
# TPS7H3014-SP

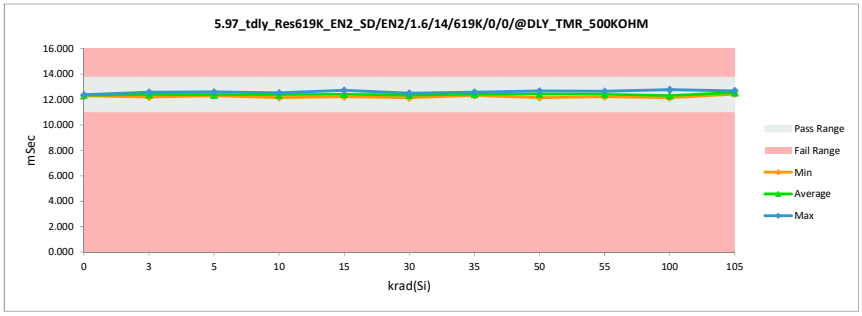
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.97_tdly_Res619K_EN2_ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.358 | 12.353 | -0.005 |
| 0 | 14 | 12.385 | 12.384 | -0.001 |
| 0 | 15 | 12.287 | 12.286 | -0.001 |
| 3 | 20 | 12.466 | 12.484 | 0.018 |
| 3 | 21 | 12.570 | 12.572 | 0.002 |
| 3 | 22 | 12.491 | 12.505 | 0.014 |
| 3 | 23 | 12.192 | 12.179 | -0.013 |
| 3 | 24 | 12.190 | 12.198 | 0.008 |
| 5 | 25 | 12.370 | 12.387 | 0.017 |
| 5 | 26 | 12.586 | 12.584 | -0.002 |
| 5 | 27 | 12.277 | 12.299 | 0.022 |
| 5 | 28 | 12.330 | 12.328 | -0.002 |
| 5 | 29 | 12.335 | 12.312 | -0.023 |
| 10 | 30 | 12.427 | 12.414 | -0.013 |
| 10 | 31 | 12.556 | 12.494 | -0.062 |
| 10 | 32 | 12.355 | 12.331 | -0.024 |
| 10 | 33 | 12.558 | 12.529 | -0.029 |
| 10 | 34 | 12.108 | 12.139 | 0.031 |
| 15 | 35 | 12.237 | 12.233 | -0.004 |
| 15 | 36 | 12.253 | 12.210 | -0.043 |
| 15 | 37 | 12.629 | 12.558 | -0.071 |
| 15 | 38 | 12.760 | 12.717 | -0.043 |
| 15 | 39 | 12.309 | 12.313 | 0.004 |
| 30 | 40 | 12.549 | 12.492 | -0.057 |
| 30 | 41 | 12.253 | 12.295 | 0.042 |
| 30 | 42 | 12.360 | 12.362 | 0.002 |
| 30 | 43 | 12.540 | 12.499 | -0.041 |
| 30 | 44 | 12.102 | 12.140 | 0.038 |
| 35 | 45 | 12.450 | 12.421 | -0.029 |
| 35 | 46 | 12.622 | 12.571 | -0.051 |
| 35 | 47 | 12.311 | 12.315 | 0.004 |
| 35 | 48 | 12.440 | 12.455 | 0.015 |
| 35 | 49 | 12.374 | 12.318 | -0.056 |
| 50 | 50 | 12.664 | 12.547 | -0.117 |
| 50 | 51 | 12.400 | 12.380 | -0.020 |
| 50 | 52 | 12.503 | 12.411 | -0.092 |
| 50 | 53 | 12.724 | 12.681 | -0.043 |
| 50 | 54 | 12.178 | 12.139 | -0.039 |
| 55 | 55 | 12.133 | 12.215 | 0.082 |
| 55 | 56 | 12.492 | 12.379 | -0.113 |
| 55 | 57 | 12.603 | 12.655 | 0.052 |
| 55 | 58 | 12.217 | 12.250 | 0.033 |
| 55 | 59 | 12.614 | 12.523 | -0.091 |
| 100 | 60 | 12.344 | 12.148 | -0.196 |
| 100 | 61 | 12.164 | 12.197 | 0.033 |
| 100 | 62 | 12.680 | 12.765 | 0.085 |
| 100 | 63 | 12.231 | 12.228 | -0.003 |
| 100 | 64 | 12.191 | 12.216 | 0.025 |
| 105 | 65 | 12.426 | 12.427 | 0.001 |
| 105 | 66 | 12.715 | 12.686 | -0.029 |
| 105 | 67 | 12.491 | 12.524 | 0.033 |
| 105 | 68 | 12.416 | 12.446 | 0.030 |
| 105 | 69 | 12.494 | 12.672 | 0.178 |
| | Max | 12.760 | 12.765 | 0.178 |
| | Average | 12.410 | 12.399 | -0.010 |
| | Min | 12.102 | 12.139 | -0.196 |
| | Std Dev | 0.173 | 0.166 | 0.057 |




| | 5.97_tdly_Res619K_EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.286 | 12.179 | 12.299 | 12.139 | 12.210 | 12.140 | 12.315 | 12.139 | 12.215 | 12.148 | 12.427 |
| Average | 12.341 | 12.388 | 12.382 | 12.381 | 12.406 | 12.358 | 12.416 | 12.432 | 12.404 | 12.311 | 12.551 |
| Max | 12.384 | 12.572 | 12.584 | 12.529 | 12.717 | 12.499 | 12.571 | 12.681 | 12.655 | 12.765 | 12.686 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

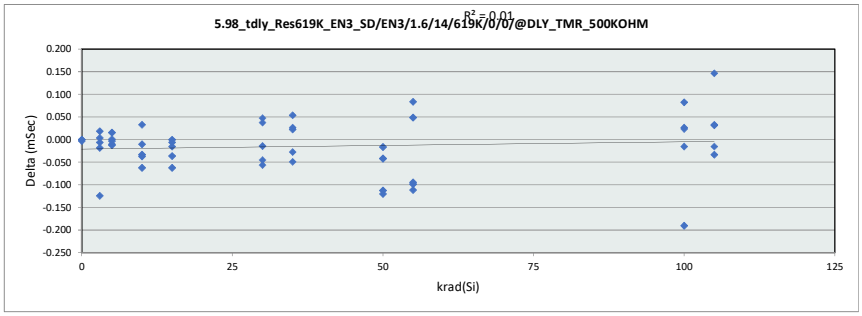


# TID HDR Report
# TPS7H3014-SP

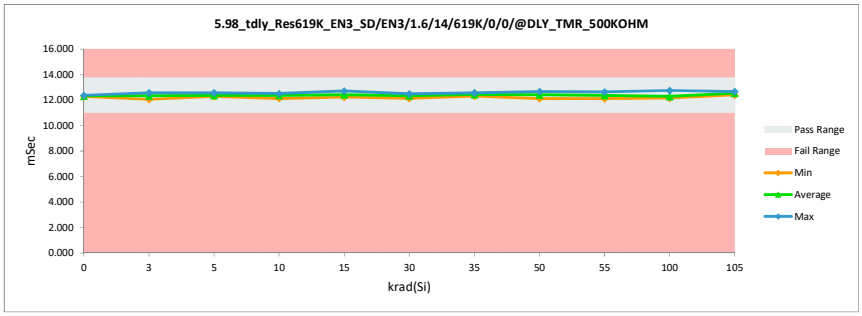
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.98_tdly_Res619K_EN3_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.350 | 12.347 | -0.003 |
| 0 | 14 | 12.379 | 12.379 | 0.000 |
| 0 | 15 | 12.281 | 12.281 | 0.000 |
| 3 | 20 | 12.459 | 12.478 | 0.019 |
| 3 | 21 | 12.565 | 12.569 | 0.004 |
| 3 | 22 | 12.481 | 12.475 | -0.006 |
| 3 | 23 | 12.185 | 12.167 | -0.018 |
| 3 | 24 | 12.184 | 12.060 | -0.124 |
| 5 | 25 | 12.367 | 12.383 | 0.016 |
| 5 | 26 | 12.580 | 12.577 | -0.003 |
| 5 | 27 | 12.303 | 12.293 | -0.010 |
| 5 | 28 | 12.323 | 12.324 | 0.001 |
| 5 | 29 | 12.329 | 12.317 | -0.012 |
| 10 | 30 | 12.419 | 12.409 | -0.010 |
| 10 | 31 | 12.549 | 12.487 | -0.062 |
| 10 | 32 | 12.350 | 12.313 | -0.037 |
| 10 | 33 | 12.553 | 12.520 | -0.033 |
| 10 | 34 | 12.100 | 12.133 | 0.033 |
| 15 | 35 | 12.232 | 12.226 | -0.006 |
| 15 | 36 | 12.246 | 12.231 | -0.015 |
| 15 | 37 | 12.622 | 12.560 | -0.062 |
| 15 | 38 | 12.754 | 12.718 | -0.036 |
| 15 | 39 | 12.306 | 12.306 | 0.000 |
| 30 | 40 | 12.543 | 12.487 | -0.056 |
| 30 | 41 | 12.248 | 12.286 | 0.038 |
| 30 | 42 | 12.356 | 12.342 | -0.014 |
| 30 | 43 | 12.534 | 12.489 | -0.045 |
| 30 | 44 | 12.095 | 12.143 | 0.048 |
| 35 | 45 | 12.444 | 12.417 | -0.027 |
| 35 | 46 | 12.615 | 12.566 | -0.049 |
| 35 | 47 | 12.282 | 12.309 | 0.027 |
| 35 | 48 | 12.422 | 12.445 | 0.023 |
| 35 | 49 | 12.396 | 12.450 | 0.054 |
| 50 | 50 | 12.659 | 12.539 | -0.120 |
| 50 | 51 | 12.394 | 12.378 | -0.016 |
| 50 | 52 | 12.495 | 12.383 | -0.112 |
| 50 | 53 | 12.718 | 12.676 | -0.042 |
| 50 | 54 | 12.173 | 12.132 | -0.041 |
| 55 | 55 | 12.125 | 12.209 | 0.084 |
| 55 | 56 | 12.486 | 12.375 | -0.111 |
| 55 | 57 | 12.598 | 12.647 | 0.049 |
| 55 | 58 | 12.212 | 12.114 | -0.098 |
| 55 | 59 | 12.609 | 12.515 | -0.094 |
| 100 | 60 | 12.337 | 12.147 | -0.190 |
| 100 | 61 | 12.163 | 12.190 | 0.027 |
| 100 | 62 | 12.675 | 12.758 | 0.083 |
| 100 | 63 | 12.224 | 12.209 | -0.015 |
| 100 | 64 | 12.184 | 12.208 | 0.024 |
| 105 | 65 | 12.419 | 12.404 | -0.015 |
| 105 | 66 | 12.708 | 12.675 | -0.033 |
| 105 | 67 | 12.486 | 12.518 | 0.032 |
| 105 | 68 | 12.408 | 12.441 | 0.033 |
| 105 | 69 | 12.517 | 12.664 | 0.147 |
| | Max | 12.754 | 12.758 | 0.147 |
| | Average | 12.405 | 12.390 | -0.015 |
| | Min | 12.095 | 12.060 | -0.190 |
| | Std Dev | 0.173 | 0.172 | 0.058 |




| | 5.98_tdly_Res619K_EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.281 | 12.060 | 12.293 | 12.133 | 12.226 | 12.143 | 12.309 | 12.132 | 12.114 | 12.147 | 12.404 |
| Average | 12.336 | 12.350 | 12.379 | 12.372 | 12.408 | 12.349 | 12.437 | 12.422 | 12.372 | 12.302 | 12.540 |
| Max | 12.379 | 12.569 | 12.577 | 12.520 | 12.718 | 12.489 | 12.566 | 12.676 | 12.647 | 12.758 | 12.675 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

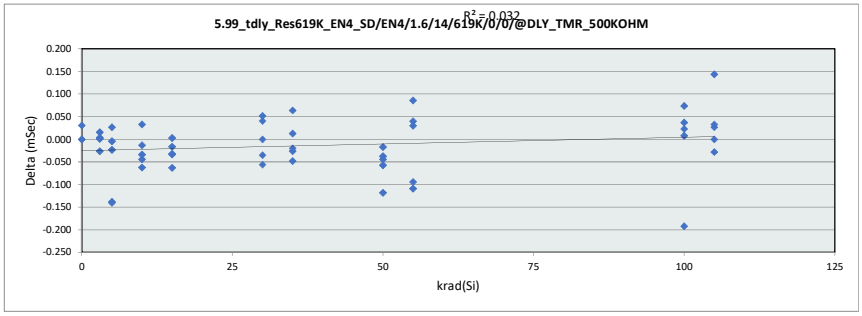


# TID HDR Report
# TPS7H3014-SP

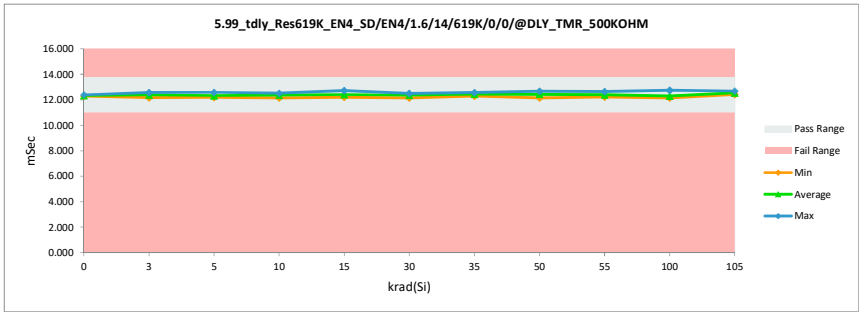
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.99_tdly_Res619K_EN4_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.355 | 12.355 | 0.000 |
| 0 | 14 | 12.351 | 12.382 | 0.031 |
| 0 | 15 | 12.285 | 12.285 | 0.000 |
| 3 | 20 | 12.466 | 12.467 | 0.001 |
| 3 | 21 | 12.571 | 12.573 | 0.002 |
| 3 | 22 | 12.488 | 12.504 | 0.016 |
| 3 | 23 | 12.188 | 12.162 | -0.026 |
| 3 | 24 | 12.193 | 12.197 | 0.004 |
| 5 | 25 | 12.370 | 12.397 | 0.027 |
| 5 | 26 | 12.586 | 12.582 | -0.004 |
| 5 | 27 | 12.310 | 12.287 | -0.023 |
| 5 | 28 | 12.327 | 12.189 | -0.138 |
| 5 | 29 | 12.327 | 12.187 | -0.140 |
| 10 | 30 | 12.426 | 12.413 | -0.013 |
| 10 | 31 | 12.553 | 12.491 | -0.062 |
| 10 | 32 | 12.354 | 12.320 | -0.034 |
| 10 | 33 | 12.558 | 12.514 | -0.044 |
| 10 | 34 | 12.106 | 12.139 | 0.033 |
| 15 | 35 | 12.236 | 12.203 | -0.033 |
| 15 | 36 | 12.254 | 12.238 | -0.016 |
| 15 | 37 | 12.629 | 12.566 | -0.063 |
| 15 | 38 | 12.759 | 12.727 | -0.032 |
| 15 | 39 | 12.308 | 12.311 | 0.003 |
| 30 | 40 | 12.548 | 12.492 | -0.056 |
| 30 | 41 | 12.251 | 12.292 | 0.041 |
| 30 | 42 | 12.362 | 12.362 | 0.000 |
| 30 | 43 | 12.538 | 12.503 | -0.035 |
| 30 | 44 | 12.098 | 12.150 | 0.052 |
| 35 | 45 | 12.446 | 12.420 | -0.026 |
| 35 | 46 | 12.619 | 12.571 | -0.048 |
| 35 | 47 | 12.309 | 12.289 | -0.020 |
| 35 | 48 | 12.427 | 12.440 | 0.013 |
| 35 | 49 | 12.400 | 12.464 | 0.064 |
| 50 | 50 | 12.663 | 12.545 | -0.118 |
| 50 | 51 | 12.399 | 12.382 | -0.017 |
| 50 | 52 | 12.469 | 12.412 | -0.057 |
| 50 | 53 | 12.723 | 12.679 | -0.044 |
| 50 | 54 | 12.177 | 12.140 | -0.037 |
| 55 | 55 | 12.129 | 12.215 | 0.086 |
| 55 | 56 | 12.487 | 12.378 | -0.109 |
| 55 | 57 | 12.603 | 12.643 | 0.040 |
| 55 | 58 | 12.219 | 12.249 | 0.030 |
| 55 | 59 | 12.614 | 12.520 | -0.094 |
| 100 | 60 | 12.343 | 12.151 | -0.192 |
| 100 | 61 | 12.169 | 12.192 | 0.023 |
| 100 | 62 | 12.678 | 12.752 | 0.074 |
| 100 | 63 | 12.216 | 12.224 | 0.008 |
| 100 | 64 | 12.160 | 12.197 | 0.037 |
| 105 | 65 | 12.425 | 12.425 | 0.000 |
| 105 | 66 | 12.713 | 12.685 | -0.028 |
| 105 | 67 | 12.491 | 12.524 | 0.033 |
| 105 | 68 | 12.415 | 12.442 | 0.027 |
| 105 | 69 | 12.524 | 12.668 | 0.144 |
| | Max | 12.759 | 12.752 | 0.144 |
| | Average | 12.408 | 12.394 | -0.014 |
| | Min | 12.098 | 12.139 | -0.192 |
| | Std Dev | 0.173 | 0.170 | 0.059 |




| | 5.99_tdly_Res619K_EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.285 | 12.162 | 12.187 | 12.139 | 12.203 | 12.150 | 12.289 | 12.140 | 12.215 | 12.151 | 12.425 |
| Average | 12.341 | 12.381 | 12.328 | 12.375 | 12.409 | 12.360 | 12.437 | 12.432 | 12.401 | 12.303 | 12.549 |
| Max | 12.382 | 12.573 | 12.582 | 12.514 | 12.727 | 12.503 | 12.571 | 12.679 | 12.643 | 12.752 | 12.685 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

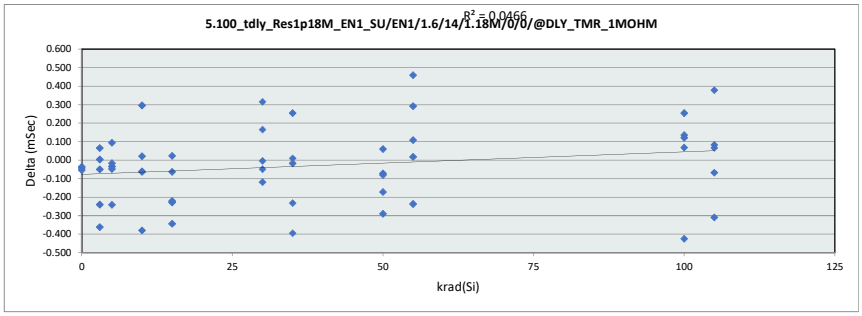


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

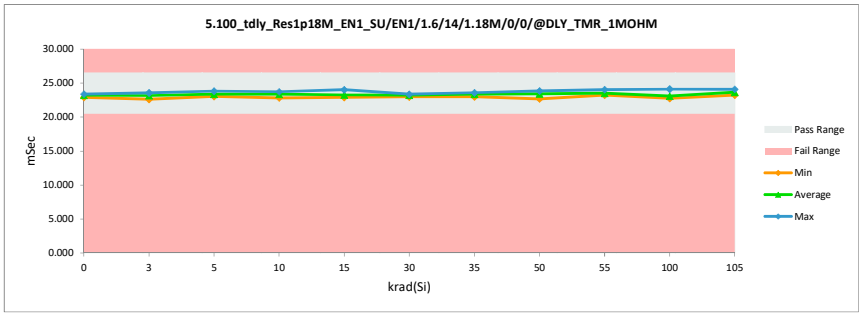
| | 5.100_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.391 | 23.349 | -0.042 |
| 0 | 14 | 23.430 | 23.394 | -0.036 |
| 0 | 15 | 22.965 | 22.912 | -0.053 |
| 3 | 20 | 23.396 | 23.462 | 0.066 |
| 3 | 21 | 23.806 | 23.566 | -0.240 |
| 3 | 22 | 23.360 | 23.364 | 0.004 |
| 3 | 23 | 22.996 | 22.635 | -0.361 |
| 3 | 24 | 22.911 | 22.862 | -0.049 |
| 5 | 25 | 23.414 | 23.509 | 0.095 |
| 5 | 26 | 23.866 | 23.832 | -0.034 |
| 5 | 27 | 23.231 | 23.215 | -0.016 |
| 5 | 28 | 23.294 | 23.053 | -0.241 |
| 5 | 29 | 23.275 | 23.228 | -0.047 |
| 10 | 30 | 23.205 | 23.501 | 0.296 |
| 10 | 31 | 23.905 | 23.526 | -0.379 |
| 10 | 32 | 23.468 | 23.407 | -0.061 |
| 10 | 33 | 23.792 | 23.730 | -0.062 |
| 10 | 34 | 22.800 | 22.822 | 0.022 |
| 15 | 35 | 22.886 | 22.910 | 0.024 |
| 15 | 36 | 23.132 | 22.904 | -0.228 |
| 15 | 37 | 23.779 | 23.436 | -0.343 |
| 15 | 38 | 24.082 | 24.019 | -0.063 |
| 15 | 39 | 23.238 | 23.017 | -0.221 |
| 30 | 40 | 23.490 | 23.372 | -0.118 |
| 30 | 41 | 22.933 | 23.249 | 0.316 |
| 30 | 42 | 23.329 | 23.326 | -0.003 |
| 30 | 43 | 23.320 | 23.272 | -0.048 |
| 30 | 44 | 22.820 | 22.986 | 0.166 |
| 35 | 45 | 23.269 | 23.524 | 0.255 |
| 35 | 46 | 23.976 | 23.582 | -0.394 |
| 35 | 47 | 23.240 | 23.008 | -0.232 |
| 35 | 48 | 23.543 | 23.526 | -0.017 |
| 35 | 49 | 23.344 | 23.354 | 0.010 |
| 50 | 50 | 24.020 | 23.731 | -0.289 |
| 50 | 51 | 23.532 | 23.452 | -0.080 |
| 50 | 52 | 23.472 | 23.533 | 0.061 |
| 50 | 53 | 24.019 | 23.848 | -0.171 |
| 50 | 54 | 22.742 | 22.671 | -0.071 |
| 55 | 55 | 22.802 | 23.262 | 0.460 |
| 55 | 56 | 23.315 | 23.333 | 0.018 |
| 55 | 57 | 23.945 | 24.054 | 0.109 |
| 55 | 58 | 22.959 | 23.252 | 0.293 |
| 55 | 59 | 23.984 | 23.748 | -0.236 |
| 100 | 60 | 23.404 | 22.980 | -0.424 |
| 100 | 61 | 22.624 | 22.746 | 0.122 |
| 100 | 62 | 23.863 | 24.118 | 0.255 |
| 100 | 63 | 22.714 | 22.783 | 0.069 |
| 100 | 64 | 22.701 | 22.837 | 0.136 |
| 105 | 65 | 23.554 | 23.245 | -0.309 |
| 105 | 66 | 23.994 | 23.927 | -0.067 |
| 105 | 67 | 23.319 | 23.386 | 0.067 |
| 105 | 68 | 23.507 | 23.590 | 0.083 |
| 105 | 69 | 23.722 | 24.101 | 0.379 |
| | Max | 24.082 | 24.118 | 0.460 |
| | Average | 23.379 | 23.348 | -0.031 |
| | Min | 22.624 | 22.635 | -0.424 |
| | Std Dev | 0.403 | 0.378 | 0.203 |




| | 5.100_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 22.912 | 22.635 | 23.053 | 22.822 | 22.904 | 22.986 | 23.008 | 22.671 | 23.252 | 22.746 | 23.245 |
| Average | 23.218 | 23.178 | 23.367 | 23.397 | 23.257 | 23.241 | 23.399 | 23.447 | 23.530 | 23.093 | 23.650 |
| Max | 23.394 | 23.566 | 23.832 | 23.730 | 24.019 | 23.372 | 23.582 | 23.848 | 24.054 | 24.118 | 24.101 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

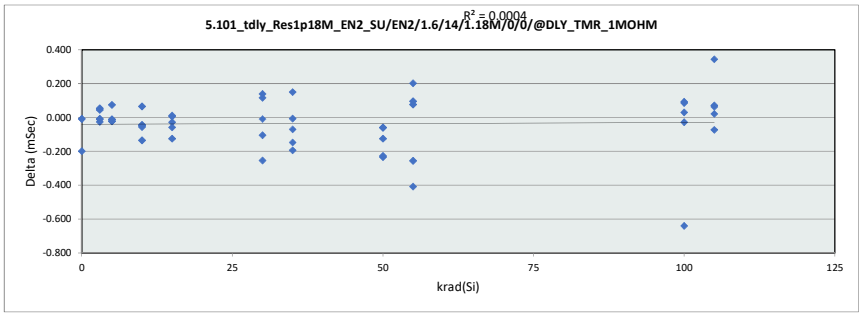


# TID HDR Report
# TPS7H3014-SP

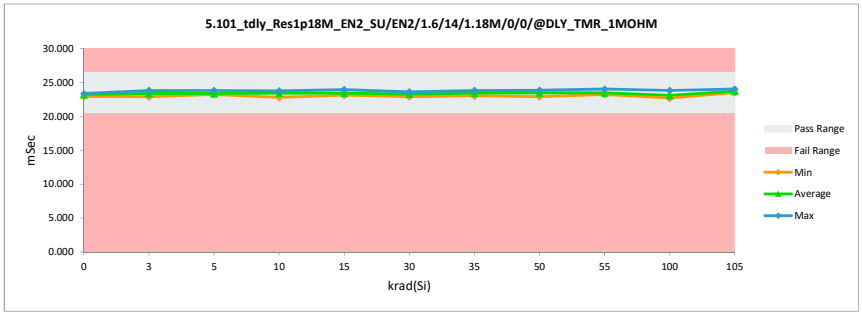
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.101_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.343 | 23.335 | -0.008 |
| 0 | 14 | 23.373 | 23.367 | -0.006 |
| 0 | 15 | 23.156 | 22.958 | -0.198 |
| 3 | 20 | 23.632 | 23.687 | 0.055 |
| 3 | 21 | 23.811 | 23.805 | -0.006 |
| 3 | 22 | 23.396 | 23.442 | 0.046 |
| 3 | 23 | 22.929 | 22.904 | -0.025 |
| 3 | 24 | 23.117 | 23.107 | -0.010 |
| 5 | 25 | 23.361 | 23.437 | 0.076 |
| 5 | 26 | 23.850 | 23.840 | -0.010 |
| 5 | 27 | 23.230 | 23.209 | -0.021 |
| 5 | 28 | 23.262 | 23.252 | -0.010 |
| 5 | 29 | 23.253 | 23.231 | -0.022 |
| 10 | 30 | 23.496 | 23.453 | -0.043 |
| 10 | 31 | 23.885 | 23.751 | -0.134 |
| 10 | 32 | 23.409 | 23.355 | -0.054 |
| 10 | 33 | 23.792 | 23.747 | -0.045 |
| 10 | 34 | 22.751 | 22.818 | 0.067 |
| 15 | 35 | 23.100 | 23.113 | 0.013 |
| 15 | 36 | 23.147 | 23.120 | -0.027 |
| 15 | 37 | 23.787 | 23.663 | -0.124 |
| 15 | 38 | 24.023 | 23.966 | -0.057 |
| 15 | 39 | 23.212 | 23.219 | 0.007 |
| 30 | 40 | 23.724 | 23.621 | -0.103 |
| 30 | 41 | 23.132 | 23.250 | 0.118 |
| 30 | 42 | 23.302 | 23.294 | -0.008 |
| 30 | 43 | 23.579 | 23.326 | -0.253 |
| 30 | 44 | 22.773 | 22.913 | 0.140 |
| 35 | 45 | 23.326 | 23.257 | -0.069 |
| 35 | 46 | 23.951 | 23.805 | -0.146 |
| 35 | 47 | 23.233 | 23.040 | -0.193 |
| 35 | 48 | 23.489 | 23.484 | -0.005 |
| 35 | 49 | 23.454 | 23.605 | 0.151 |
| 50 | 50 | 23.981 | 23.748 | -0.233 |
| 50 | 51 | 23.460 | 23.402 | -0.058 |
| 50 | 52 | 23.698 | 23.472 | -0.226 |
| 50 | 53 | 23.979 | 23.855 | -0.124 |
| 50 | 54 | 22.993 | 22.934 | -0.059 |
| 55 | 55 | 23.045 | 23.248 | 0.203 |
| 55 | 56 | 23.579 | 23.324 | -0.255 |
| 55 | 57 | 23.925 | 24.022 | 0.097 |
| 55 | 58 | 23.161 | 23.238 | 0.077 |
| 55 | 59 | 23.951 | 23.544 | -0.407 |
| 100 | 60 | 23.369 | 22.730 | -0.639 |
| 100 | 61 | 22.904 | 22.998 | 0.094 |
| 100 | 62 | 23.865 | 23.838 | -0.027 |
| 100 | 63 | 22.992 | 23.023 | 0.031 |
| 100 | 64 | 22.970 | 23.057 | 0.087 |
| 105 | 65 | 23.486 | 23.508 | 0.022 |
| 105 | 66 | 23.974 | 23.902 | -0.072 |
| 105 | 67 | 23.593 | 23.657 | 0.064 |
| 105 | 68 | 23.449 | 23.522 | 0.073 |
| 105 | 69 | 23.694 | 24.039 | 0.345 |
| | Max | 24.023 | 24.039 | 0.345 |
| | Average | 23.440 | 23.404 | -0.036 |
| | Min | 22.751 | 22.730 | -0.639 |
| | Std Dev | 0.348 | 0.332 | 0.152 |




| | 5.101_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 22.958 | 22.904 | 23.209 | 22.818 | 23.113 | 22.913 | 23.040 | 22.934 | 23.238 | 22.730 | 23.508 |
| Average | 23.220 | 23.389 | 23.394 | 23.425 | 23.416 | 23.281 | 23.438 | 23.482 | 23.475 | 23.129 | 23.726 |
| Max | 23.367 | 23.805 | 23.840 | 23.751 | 23.966 | 23.621 | 23.805 | 23.855 | 24.022 | 23.838 | 24.039 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

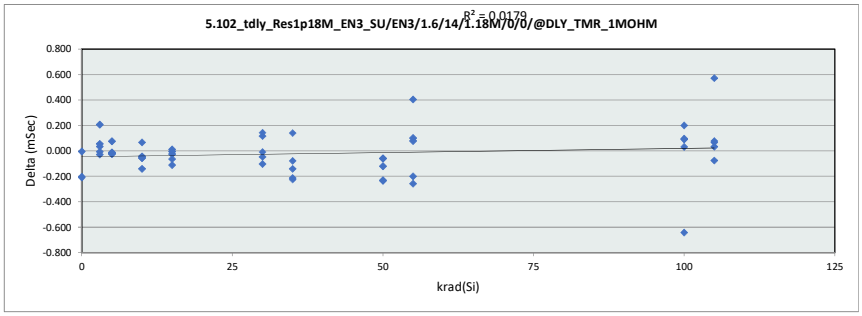


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

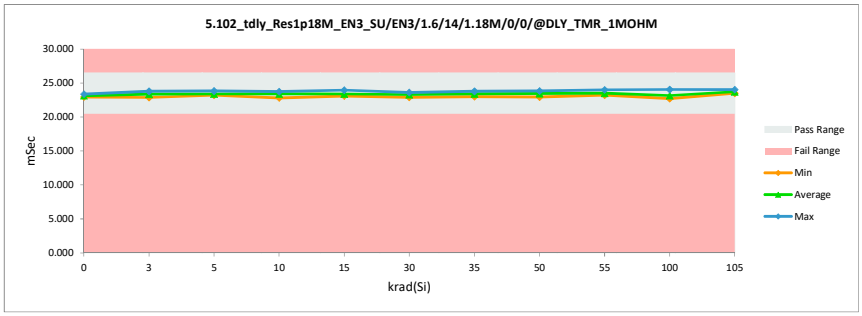
| | 5.102_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.343 | 23.135 | -0.208 |
| 0 | 14 | 23.376 | 23.372 | -0.004 |
| 0 | 15 | 23.164 | 22.962 | -0.202 |
| 3 | 20 | 23.634 | 23.690 | 0.056 |
| 3 | 21 | 23.814 | 23.808 | -0.006 |
| 3 | 22 | 23.403 | 23.438 | 0.035 |
| 3 | 23 | 22.933 | 22.905 | -0.028 |
| 3 | 24 | 22.905 | 23.112 | 0.207 |
| 5 | 25 | 23.363 | 23.439 | 0.076 |
| 5 | 26 | 23.857 | 23.839 | -0.018 |
| 5 | 27 | 23.231 | 23.215 | -0.016 |
| 5 | 28 | 23.269 | 23.258 | -0.011 |
| 5 | 29 | 23.257 | 23.233 | -0.024 |
| 10 | 30 | 23.497 | 23.455 | -0.042 |
| 10 | 31 | 23.887 | 23.747 | -0.140 |
| 10 | 32 | 23.411 | 23.357 | -0.054 |
| 10 | 33 | 23.803 | 23.748 | -0.055 |
| 10 | 34 | 22.753 | 22.820 | 0.067 |
| 15 | 35 | 23.102 | 23.115 | 0.013 |
| 15 | 36 | 23.147 | 23.123 | -0.024 |
| 15 | 37 | 23.775 | 23.664 | -0.111 |
| 15 | 38 | 24.029 | 23.965 | -0.064 |
| 15 | 39 | 23.226 | 23.221 | -0.005 |
| 30 | 40 | 23.725 | 23.622 | -0.103 |
| 30 | 41 | 23.133 | 23.250 | 0.117 |
| 30 | 42 | 23.304 | 23.295 | -0.009 |
| 30 | 43 | 23.576 | 23.530 | -0.046 |
| 30 | 44 | 22.772 | 22.915 | 0.143 |
| 35 | 45 | 23.543 | 23.465 | -0.078 |
| 35 | 46 | 23.953 | 23.812 | -0.141 |
| 35 | 47 | 23.233 | 23.009 | -0.224 |
| 35 | 48 | 23.489 | 23.277 | -0.212 |
| 35 | 49 | 23.458 | 23.599 | 0.141 |
| 50 | 50 | 23.982 | 23.747 | -0.235 |
| 50 | 51 | 23.462 | 23.403 | -0.059 |
| 50 | 52 | 23.700 | 23.471 | -0.229 |
| 50 | 53 | 23.980 | 23.860 | -0.120 |
| 50 | 54 | 22.993 | 22.935 | -0.058 |
| 55 | 55 | 22.845 | 23.250 | 0.405 |
| 55 | 56 | 23.583 | 23.326 | -0.257 |
| 55 | 57 | 23.924 | 24.025 | 0.101 |
| 55 | 58 | 23.159 | 23.238 | 0.079 |
| 55 | 59 | 23.966 | 23.766 | -0.200 |
| 100 | 60 | 23.370 | 22.728 | -0.642 |
| 100 | 61 | 22.903 | 23.000 | 0.097 |
| 100 | 62 | 23.864 | 24.065 | 0.201 |
| 100 | 63 | 22.993 | 23.025 | 0.032 |
| 100 | 64 | 22.968 | 23.059 | 0.091 |
| 105 | 65 | 23.485 | 23.518 | 0.033 |
| 105 | 66 | 23.976 | 23.901 | -0.075 |
| 105 | 67 | 23.595 | 23.662 | 0.067 |
| 105 | 68 | 23.449 | 23.527 | 0.078 |
| 105 | 69 | 23.468 | 24.040 | 0.572 |
| | Max | 24.029 | 24.065 | 0.572 |
| | Average | 23.435 | 23.414 | -0.021 |
| | Min | 22.753 | 22.728 | -0.642 |
| | Std Dev | 0.357 | 0.345 | 0.175 |




| | 5.102_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 22.962 | 22.905 | 23.215 | 22.820 | 23.115 | 22.915 | 23.009 | 22.935 | 23.238 | 22.728 | 23.518 |
| Average | 23.156 | 23.391 | 23.397 | 23.425 | 23.418 | 23.322 | 23.432 | 23.483 | 23.521 | 23.175 | 23.730 |
| Max | 23.372 | 23.808 | 23.839 | 23.748 | 23.965 | 23.622 | 23.812 | 23.860 | 24.025 | 24.065 | 24.040 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

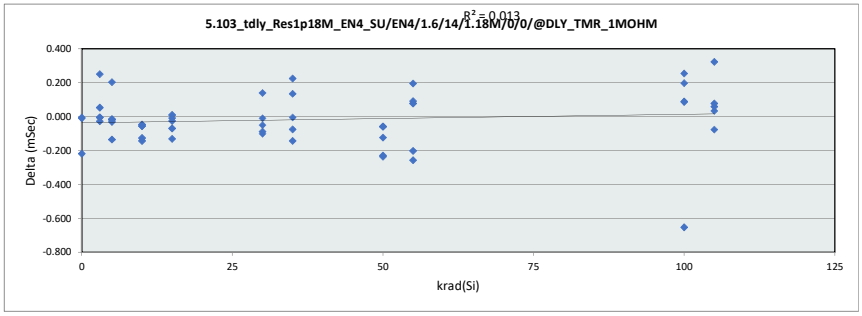


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

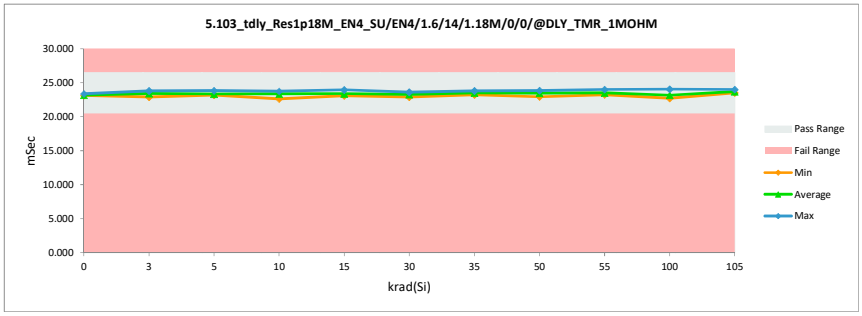
| | 5.103_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.347 | 23.130 | -0.217 |
| 0 | 14 | 23.377 | 23.374 | -0.003 |
| 0 | 15 | 23.165 | 23.157 | -0.008 |
| 3 | 20 | 23.637 | 23.691 | 0.054 |
| 3 | 21 | 23.815 | 23.812 | -0.003 |
| 3 | 22 | 23.398 | 23.650 | 0.252 |
| 3 | 23 | 22.930 | 22.904 | -0.026 |
| 3 | 24 | 23.118 | 23.115 | -0.003 |
| 5 | 25 | 23.365 | 23.231 | -0.134 |
| 5 | 26 | 23.637 | 23.842 | 0.205 |
| 5 | 27 | 23.231 | 23.214 | -0.017 |
| 5 | 28 | 23.271 | 23.258 | -0.013 |
| 5 | 29 | 23.257 | 23.227 | -0.030 |
| 10 | 30 | 23.502 | 23.456 | -0.046 |
| 10 | 31 | 23.889 | 23.747 | -0.142 |
| 10 | 32 | 23.414 | 23.360 | -0.054 |
| 10 | 33 | 23.804 | 23.750 | -0.054 |
| 10 | 34 | 22.755 | 22.630 | -0.125 |
| 15 | 35 | 23.105 | 23.116 | 0.011 |
| 15 | 36 | 23.150 | 23.126 | -0.024 |
| 15 | 37 | 23.788 | 23.658 | -0.130 |
| 15 | 38 | 24.028 | 23.960 | -0.068 |
| 15 | 39 | 23.228 | 23.221 | -0.007 |
| 30 | 40 | 23.724 | 23.624 | -0.100 |
| 30 | 41 | 23.137 | 23.050 | -0.087 |
| 30 | 42 | 23.304 | 23.296 | -0.008 |
| 30 | 43 | 23.580 | 23.531 | -0.049 |
| 30 | 44 | 22.775 | 22.916 | 0.141 |
| 35 | 45 | 23.542 | 23.468 | -0.074 |
| 35 | 46 | 23.954 | 23.812 | -0.142 |
| 35 | 47 | 23.032 | 23.258 | 0.226 |
| 35 | 48 | 23.492 | 23.489 | -0.003 |
| 35 | 49 | 23.459 | 23.595 | 0.136 |
| 50 | 50 | 23.984 | 23.749 | -0.235 |
| 50 | 51 | 23.464 | 23.408 | -0.056 |
| 50 | 52 | 23.701 | 23.473 | -0.228 |
| 50 | 53 | 23.982 | 23.860 | -0.122 |
| 50 | 54 | 22.994 | 22.936 | -0.058 |
| 55 | 55 | 23.054 | 23.251 | 0.197 |
| 55 | 56 | 23.584 | 23.328 | -0.256 |
| 55 | 57 | 23.923 | 24.016 | 0.093 |
| 55 | 58 | 23.162 | 23.241 | 0.079 |
| 55 | 59 | 23.968 | 23.767 | -0.201 |
| 100 | 60 | 23.371 | 22.720 | -0.651 |
| 100 | 61 | 22.911 | 23.002 | 0.091 |
| 100 | 62 | 23.869 | 24.068 | 0.199 |
| 100 | 63 | 22.769 | 23.025 | 0.256 |
| 100 | 64 | 22.972 | 23.060 | 0.088 |
| 105 | 65 | 23.485 | 23.520 | 0.035 |
| 105 | 66 | 23.978 | 23.903 | -0.075 |
| 105 | 67 | 23.598 | 23.658 | 0.060 |
| 105 | 68 | 23.450 | 23.529 | 0.079 |
| 105 | 69 | 23.700 | 24.024 | 0.324 |
| | Max | 24.028 | 24.068 | 0.324 |
| | Average | 23.436 | 23.419 | -0.017 |
| | Min | 22.755 | 22.630 | -0.651 |
| | Std Dev | 0.354 | 0.349 | 0.159 |




| | 5.103_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.130 | 22.904 | 23.214 | 22.630 | 23.116 | 22.916 | 23.258 | 22.936 | 23.241 | 22.720 | 23.520 |
| Average | 23.220 | 23.434 | 23.354 | 23.389 | 23.416 | 23.283 | 23.524 | 23.485 | 23.521 | 23.175 | 23.727 |
| Max | 23.374 | 23.812 | 23.842 | 23.750 | 23.960 | 23.624 | 23.812 | 23.860 | 24.016 | 24.068 | 24.024 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

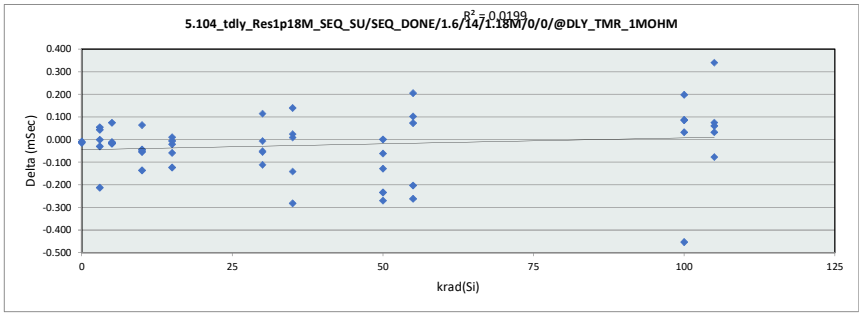


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

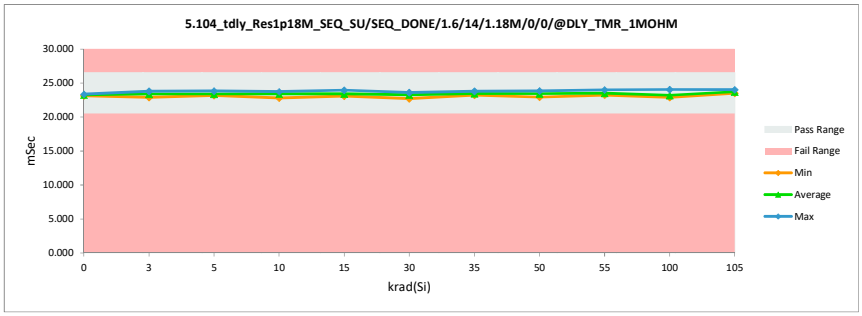
| | 5.104_tdly_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.348 | 23.334 | -0.014 |
| 0 | 14 | 23.382 | 23.371 | -0.011 |
| 0 | 15 | 23.166 | 23.158 | -0.008 |
| 3 | 20 | 23.637 | 23.692 | 0.055 |
| 3 | 21 | 23.812 | 23.812 | 0.000 |
| 3 | 22 | 23.613 | 23.657 | 0.044 |
| 3 | 23 | 22.935 | 22.906 | -0.029 |
| 3 | 24 | 23.118 | 22.906 | -0.212 |
| 5 | 25 | 23.366 | 23.441 | 0.075 |
| 5 | 26 | 23.858 | 23.841 | -0.017 |
| 5 | 27 | 23.232 | 23.215 | -0.017 |
| 5 | 28 | 23.270 | 23.260 | -0.010 |
| 5 | 29 | 23.248 | 23.234 | -0.014 |
| 10 | 30 | 23.502 | 23.459 | -0.043 |
| 10 | 31 | 23.890 | 23.755 | -0.135 |
| 10 | 32 | 23.412 | 23.362 | -0.050 |
| 10 | 33 | 23.805 | 23.751 | -0.054 |
| 10 | 34 | 22.757 | 22.822 | 0.065 |
| 15 | 35 | 23.104 | 23.115 | 0.011 |
| 15 | 36 | 23.149 | 23.129 | -0.020 |
| 15 | 37 | 23.789 | 23.666 | -0.123 |
| 15 | 38 | 24.030 | 23.972 | -0.058 |
| 15 | 39 | 23.228 | 23.223 | -0.005 |
| 30 | 40 | 23.726 | 23.615 | -0.111 |
| 30 | 41 | 23.137 | 23.253 | 0.116 |
| 30 | 42 | 23.305 | 23.299 | -0.006 |
| 30 | 43 | 23.581 | 23.531 | -0.050 |
| 30 | 44 | 22.776 | 22.722 | -0.054 |
| 35 | 45 | 23.547 | 23.266 | -0.281 |
| 35 | 46 | 23.956 | 23.816 | -0.140 |
| 35 | 47 | 23.235 | 23.260 | 0.025 |
| 35 | 48 | 23.478 | 23.488 | 0.010 |
| 35 | 49 | 23.460 | 23.601 | 0.141 |
| 50 | 50 | 23.750 | 23.752 | 0.002 |
| 50 | 51 | 23.462 | 23.193 | -0.269 |
| 50 | 52 | 23.699 | 23.466 | -0.233 |
| 50 | 53 | 23.982 | 23.854 | -0.128 |
| 50 | 54 | 22.996 | 22.935 | -0.061 |
| 55 | 55 | 23.047 | 23.253 | 0.206 |
| 55 | 56 | 23.584 | 23.323 | -0.261 |
| 55 | 57 | 23.918 | 24.021 | 0.103 |
| 55 | 58 | 23.166 | 23.240 | 0.074 |
| 55 | 59 | 23.971 | 23.769 | -0.202 |
| 100 | 60 | 23.373 | 22.921 | -0.452 |
| 100 | 61 | 22.913 | 23.001 | 0.088 |
| 100 | 62 | 23.872 | 24.071 | 0.199 |
| 100 | 63 | 22.993 | 23.026 | 0.033 |
| 100 | 64 | 22.974 | 23.061 | 0.087 |
| 105 | 65 | 23.488 | 23.521 | 0.033 |
| 105 | 66 | 23.979 | 23.903 | -0.076 |
| 105 | 67 | 23.599 | 23.660 | 0.061 |
| 105 | 68 | 23.453 | 23.529 | 0.076 |
| 105 | 69 | 23.699 | 24.040 | 0.341 |
| | Max | 24.030 | 24.071 | 0.341 |
| | Average | 23.448 | 23.424 | -0.025 |
| | Min | 22.757 | 22.722 | -0.452 |
| | Std Dev | 0.343 | 0.343 | 0.134 |




| | 5.104_tdly_Res1p18M_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.158 | 22.906 | 23.215 | 22.822 | 23.115 | 22.722 | 23.260 | 22.935 | 23.240 | 22.921 | 23.521 |
| Average | 23.288 | 23.395 | 23.398 | 23.430 | 23.421 | 23.284 | 23.486 | 23.440 | 23.521 | 23.216 | 23.731 |
| Max | 23.371 | 23.812 | 23.841 | 23.755 | 23.972 | 23.615 | 23.816 | 23.854 | 24.021 | 24.071 | 24.040 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

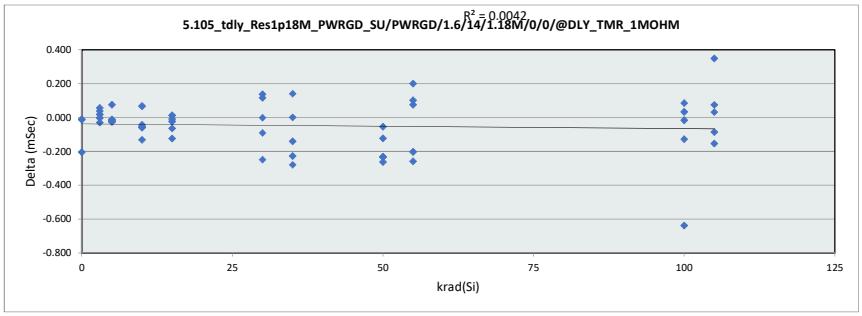


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

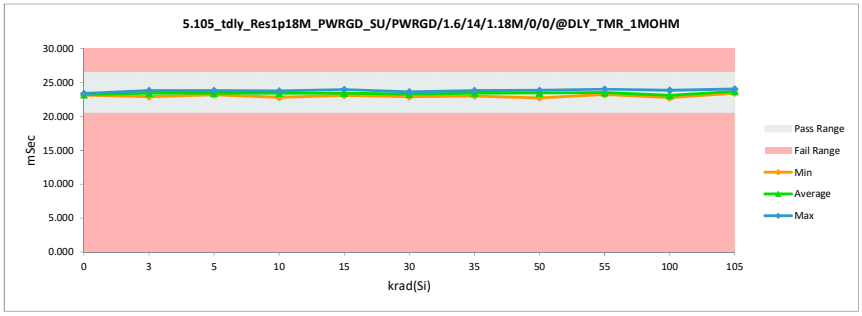
| | 5.105_tdly_Res1p18M_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.344 | 23.140 | -0.204 |
| 0 | 14 | 23.378 | 23.368 | -0.010 |
| 0 | 15 | 23.164 | 23.151 | -0.013 |
| 3 | 20 | 23.630 | 23.687 | 0.057 |
| 3 | 21 | 23.810 | 23.808 | -0.002 |
| 3 | 22 | 23.609 | 23.648 | 0.039 |
| 3 | 23 | 22.929 | 22.900 | -0.029 |
| 3 | 24 | 22.891 | 22.910 | 0.019 |
| 5 | 25 | 23.361 | 23.437 | 0.076 |
| 5 | 26 | 23.853 | 23.828 | -0.025 |
| 5 | 27 | 23.228 | 23.210 | -0.018 |
| 5 | 28 | 23.267 | 23.255 | -0.012 |
| 5 | 29 | 23.253 | 23.230 | -0.023 |
| 10 | 30 | 23.499 | 23.456 | -0.043 |
| 10 | 31 | 23.884 | 23.753 | -0.131 |
| 10 | 32 | 23.410 | 23.351 | -0.059 |
| 10 | 33 | 23.802 | 23.747 | -0.055 |
| 10 | 34 | 22.750 | 22.818 | 0.068 |
| 15 | 35 | 23.100 | 23.113 | 0.013 |
| 15 | 36 | 23.147 | 23.124 | -0.023 |
| 15 | 37 | 23.786 | 23.662 | -0.124 |
| 15 | 38 | 24.026 | 23.962 | -0.064 |
| 15 | 39 | 23.226 | 23.217 | -0.009 |
| 30 | 40 | 23.710 | 23.620 | -0.090 |
| 30 | 41 | 23.134 | 23.251 | 0.117 |
| 30 | 42 | 23.294 | 23.293 | -0.001 |
| 30 | 43 | 23.578 | 23.330 | -0.248 |
| 30 | 44 | 22.770 | 22.908 | 0.138 |
| 35 | 45 | 23.542 | 23.263 | -0.279 |
| 35 | 46 | 23.953 | 23.813 | -0.140 |
| 35 | 47 | 23.231 | 23.004 | -0.227 |
| 35 | 48 | 23.486 | 23.487 | 0.001 |
| 35 | 49 | 23.454 | 23.595 | 0.141 |
| 50 | 50 | 23.982 | 23.749 | -0.233 |
| 50 | 51 | 23.458 | 23.404 | -0.054 |
| 50 | 52 | 23.699 | 23.467 | -0.232 |
| 50 | 53 | 23.978 | 23.855 | -0.123 |
| 50 | 54 | 22.992 | 22.730 | -0.262 |
| 55 | 55 | 23.048 | 23.249 | 0.201 |
| 55 | 56 | 23.581 | 23.323 | -0.258 |
| 55 | 57 | 23.921 | 24.023 | 0.102 |
| 55 | 58 | 23.162 | 23.238 | 0.076 |
| 55 | 59 | 23.967 | 23.765 | -0.202 |
| 100 | 60 | 23.368 | 22.731 | -0.637 |
| 100 | 61 | 22.909 | 22.782 | -0.127 |
| 100 | 62 | 23.866 | 23.851 | -0.015 |
| 100 | 63 | 22.990 | 23.024 | 0.034 |
| 100 | 64 | 22.970 | 23.056 | 0.086 |
| 105 | 65 | 23.484 | 23.517 | 0.033 |
| 105 | 66 | 23.976 | 23.891 | -0.085 |
| 105 | 67 | 23.595 | 23.442 | -0.153 |
| 105 | 68 | 23.451 | 23.526 | 0.075 |
| 105 | 69 | 23.692 | 24.041 | 0.349 |
| | Max | 24.026 | 24.041 | 0.349 |
| | Average | 23.445 | 23.396 | -0.049 |
| | Min | 22.750 | 22.730 | -0.637 |
| | Std Dev | 0.354 | 0.351 | 0.152 |




| | 5.105_tdly_Res1p18M_P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.140 | 22.900 | 23.210 | 22.818 | 23.113 | 22.908 | 23.004 | 22.730 | 23.238 | 22.731 | 23.442 |
| Average | 23.220 | 23.391 | 23.392 | 23.425 | 23.416 | 23.280 | 23.432 | 23.441 | 23.520 | 23.089 | 23.683 |
| Max | 23.368 | 23.808 | 23.828 | 23.753 | 23.962 | 23.620 | 23.813 | 23.855 | 24.023 | 23.851 | 24.041 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

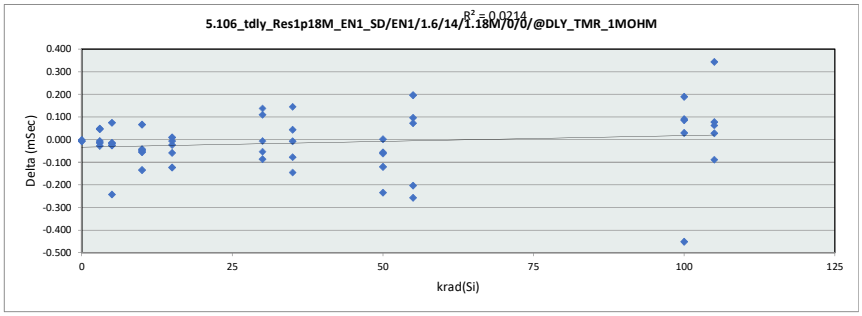


# TID HDR Report
# TPS7H3014-SP

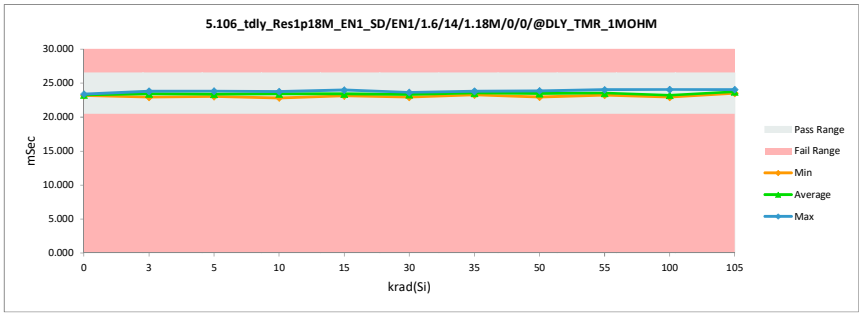
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.106_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.348 | 23.347 | -0.001 |
| 0 | 14 | 23.391 | 23.386 | -0.005 |
| 0 | 15 | 23.177 | 23.170 | -0.007 |
| 3 | 20 | 23.645 | 23.694 | 0.049 |
| 3 | 21 | 23.823 | 23.809 | -0.014 |
| 3 | 22 | 23.621 | 23.668 | 0.047 |
| 3 | 23 | 22.944 | 22.917 | -0.027 |
| 3 | 24 | 23.126 | 23.120 | -0.006 |
| 5 | 25 | 23.374 | 23.449 | 0.075 |
| 5 | 26 | 23.866 | 23.841 | -0.025 |
| 5 | 27 | 23.241 | 23.223 | -0.018 |
| 5 | 28 | 23.279 | 23.265 | -0.014 |
| 5 | 29 | 23.266 | 23.024 | -0.242 |
| 10 | 30 | 23.511 | 23.469 | -0.042 |
| 10 | 31 | 23.899 | 23.765 | -0.134 |
| 10 | 32 | 23.420 | 23.371 | -0.049 |
| 10 | 33 | 23.813 | 23.758 | -0.055 |
| 10 | 34 | 22.764 | 22.831 | 0.067 |
| 15 | 35 | 23.114 | 23.124 | 0.010 |
| 15 | 36 | 23.159 | 23.136 | -0.023 |
| 15 | 37 | 23.798 | 23.675 | -0.123 |
| 15 | 38 | 24.040 | 23.982 | -0.058 |
| 15 | 39 | 23.238 | 23.232 | -0.006 |
| 30 | 40 | 23.720 | 23.634 | -0.086 |
| 30 | 41 | 23.147 | 23.257 | 0.110 |
| 30 | 42 | 23.313 | 23.307 | -0.006 |
| 30 | 43 | 23.591 | 23.538 | -0.053 |
| 30 | 44 | 22.782 | 22.920 | 0.138 |
| 35 | 45 | 23.554 | 23.477 | -0.077 |
| 35 | 46 | 23.966 | 23.821 | -0.145 |
| 35 | 47 | 23.216 | 23.260 | 0.044 |
| 35 | 48 | 23.497 | 23.490 | -0.007 |
| 35 | 49 | 23.469 | 23.615 | 0.146 |
| 50 | 50 | 23.995 | 23.761 | -0.234 |
| 50 | 51 | 23.474 | 23.418 | -0.056 |
| 50 | 52 | 23.484 | 23.486 | 0.002 |
| 50 | 53 | 23.991 | 23.871 | -0.120 |
| 50 | 54 | 23.004 | 22.943 | -0.061 |
| 55 | 55 | 23.063 | 23.260 | 0.197 |
| 55 | 56 | 23.595 | 23.338 | -0.257 |
| 55 | 57 | 23.938 | 24.035 | 0.097 |
| 55 | 58 | 23.175 | 23.248 | 0.073 |
| 55 | 59 | 23.980 | 23.777 | -0.203 |
| 100 | 60 | 23.382 | 22.931 | -0.451 |
| 100 | 61 | 22.920 | 23.011 | 0.091 |
| 100 | 62 | 23.873 | 24.063 | 0.190 |
| 100 | 63 | 23.003 | 23.033 | 0.030 |
| 100 | 64 | 22.983 | 23.070 | 0.087 |
| 105 | 65 | 23.498 | 23.527 | 0.029 |
| 105 | 66 | 23.988 | 23.900 | -0.088 |
| 105 | 67 | 23.607 | 23.670 | 0.063 |
| 105 | 68 | 23.462 | 23.540 | 0.078 |
| 105 | 69 | 23.708 | 24.052 | 0.344 |
| | Max | 24.040 | 24.063 | 0.344 |
| | Average | 23.457 | 23.444 | -0.014 |
| | Min | 22.764 | 22.831 | -0.451 |
| | Std Dev | 0.347 | 0.332 | 0.126 |




| | 5.106_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.170 | 22.917 | 23.024 | 22.831 | 23.124 | 22.920 | 23.260 | 22.943 | 23.248 | 22.931 | 23.527 |
| Average | 23.301 | 23.442 | 23.360 | 23.439 | 23.430 | 23.331 | 23.533 | 23.496 | 23.532 | 23.222 | 23.738 |
| Max | 23.386 | 23.809 | 23.841 | 23.765 | 23.982 | 23.634 | 23.821 | 23.871 | 24.035 | 24.063 | 24.052 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

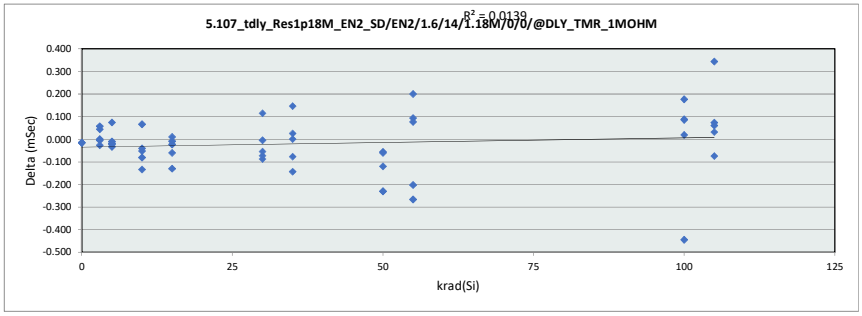


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

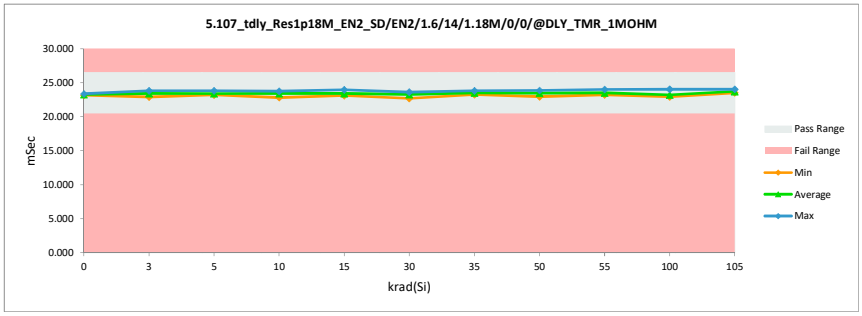
| | 5.107_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.356 | 23.341 | -0.015 |
| 0 | 14 | 23.391 | 23.377 | -0.014 |
| 0 | 15 | 23.176 | 23.160 | -0.016 |
| 3 | 20 | 23.646 | 23.704 | 0.058 |
| 3 | 21 | 23.822 | 23.823 | 0.001 |
| 3 | 22 | 23.623 | 23.668 | 0.045 |
| 3 | 23 | 22.944 | 22.918 | -0.026 |
| 3 | 24 | 23.127 | 23.123 | -0.004 |
| 5 | 25 | 23.374 | 23.449 | 0.075 |
| 5 | 26 | 23.865 | 23.832 | -0.033 |
| 5 | 27 | 23.242 | 23.224 | -0.018 |
| 5 | 28 | 23.279 | 23.269 | -0.010 |
| 5 | 29 | 23.267 | 23.244 | -0.023 |
| 10 | 30 | 23.510 | 23.470 | -0.040 |
| 10 | 31 | 23.899 | 23.766 | -0.133 |
| 10 | 32 | 23.422 | 23.370 | -0.052 |
| 10 | 33 | 23.816 | 23.736 | -0.080 |
| 10 | 34 | 22.765 | 22.832 | 0.067 |
| 15 | 35 | 23.113 | 23.124 | 0.011 |
| 15 | 36 | 23.159 | 23.137 | -0.022 |
| 15 | 37 | 23.798 | 23.668 | -0.130 |
| 15 | 38 | 24.040 | 23.980 | -0.060 |
| 15 | 39 | 23.237 | 23.229 | -0.008 |
| 30 | 40 | 23.721 | 23.634 | -0.087 |
| 30 | 41 | 23.147 | 23.262 | 0.115 |
| 30 | 42 | 23.312 | 23.308 | -0.004 |
| 30 | 43 | 23.592 | 23.538 | -0.054 |
| 30 | 44 | 22.780 | 22.708 | -0.072 |
| 35 | 45 | 23.555 | 23.478 | -0.077 |
| 35 | 46 | 23.966 | 23.823 | -0.143 |
| 35 | 47 | 23.245 | 23.271 | 0.026 |
| 35 | 48 | 23.499 | 23.500 | 0.001 |
| 35 | 49 | 23.467 | 23.614 | 0.147 |
| 50 | 50 | 23.990 | 23.760 | -0.230 |
| 50 | 51 | 23.474 | 23.419 | -0.055 |
| 50 | 52 | 23.711 | 23.481 | -0.230 |
| 50 | 53 | 23.992 | 23.873 | -0.119 |
| 50 | 54 | 23.005 | 22.945 | -0.060 |
| 55 | 55 | 23.061 | 23.262 | 0.201 |
| 55 | 56 | 23.593 | 23.327 | -0.266 |
| 55 | 57 | 23.932 | 24.026 | 0.094 |
| 55 | 58 | 23.173 | 23.250 | 0.077 |
| 55 | 59 | 23.979 | 23.777 | -0.202 |
| 100 | 60 | 23.382 | 22.938 | -0.444 |
| 100 | 61 | 22.922 | 23.011 | 0.089 |
| 100 | 62 | 23.878 | 24.055 | 0.177 |
| 100 | 63 | 23.005 | 23.025 | 0.020 |
| 100 | 64 | 22.984 | 23.070 | 0.086 |
| 105 | 65 | 23.498 | 23.530 | 0.032 |
| 105 | 66 | 23.988 | 23.914 | -0.074 |
| 105 | 67 | 23.606 | 23.667 | 0.061 |
| 105 | 68 | 23.464 | 23.538 | 0.074 |
| 105 | 69 | 23.711 | 24.055 | 0.344 |
| | Max | 24.040 | 24.055 | 0.344 |
| | Average | 23.462 | 23.443 | -0.019 |
| | Min | 22.765 | 22.708 | -0.444 |
| | Std Dev | 0.348 | 0.336 | 0.124 |




| | 5.107_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.160 | 22.918 | 23.224 | 22.832 | 23.124 | 22.708 | 23.271 | 22.945 | 23.250 | 22.938 | 23.530 |
| Average | 23.293 | 23.447 | 23.404 | 23.435 | 23.428 | 23.290 | 23.537 | 23.496 | 23.528 | 23.220 | 23.741 |
| Max | 23.377 | 23.823 | 23.832 | 23.766 | 23.980 | 23.634 | 23.823 | 23.873 | 24.026 | 24.055 | 24.055 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

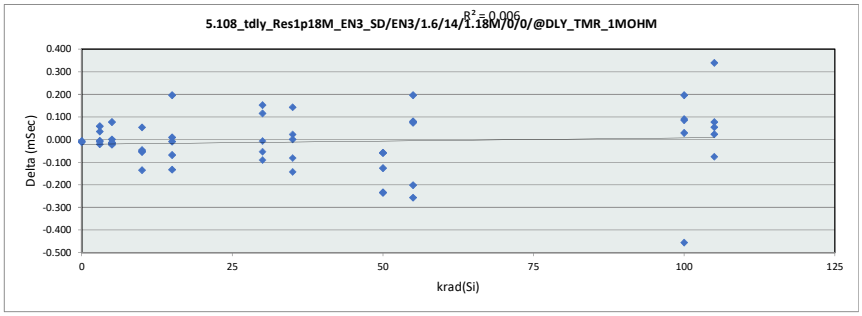


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

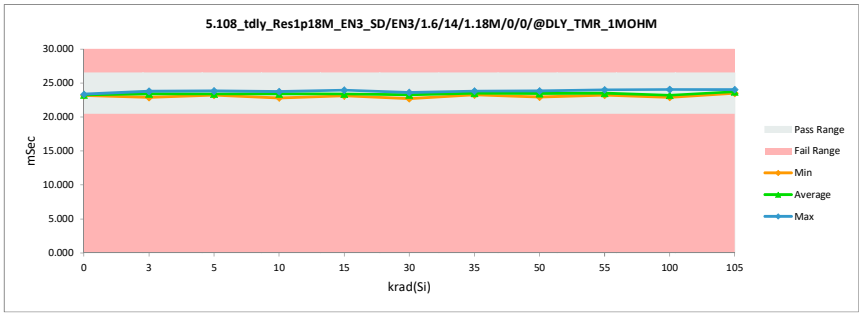
| | 5.108_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.347 | 23.340 | -0.007 |
| 0 | 14 | 23.385 | 23.373 | -0.012 |
| 0 | 15 | 23.169 | 23.163 | -0.006 |
| 3 | 20 | 23.640 | 23.699 | 0.059 |
| 3 | 21 | 23.818 | 23.813 | -0.005 |
| 3 | 22 | 23.617 | 23.653 | 0.036 |
| 3 | 23 | 22.922 | 22.902 | -0.020 |
| 3 | 24 | 23.121 | 23.112 | -0.009 |
| 5 | 25 | 23.364 | 23.442 | 0.078 |
| 5 | 26 | 23.843 | 23.844 | 0.001 |
| 5 | 27 | 23.232 | 23.216 | -0.016 |
| 5 | 28 | 23.273 | 23.260 | -0.013 |
| 5 | 29 | 23.259 | 23.237 | -0.022 |
| 10 | 30 | 23.504 | 23.458 | -0.046 |
| 10 | 31 | 23.892 | 23.757 | -0.135 |
| 10 | 32 | 23.415 | 23.364 | -0.051 |
| 10 | 33 | 23.808 | 23.753 | -0.055 |
| 10 | 34 | 22.759 | 22.813 | 0.054 |
| 15 | 35 | 23.108 | 23.118 | 0.010 |
| 15 | 36 | 22.935 | 23.132 | 0.197 |
| 15 | 37 | 23.788 | 23.655 | -0.133 |
| 15 | 38 | 24.035 | 23.967 | -0.068 |
| 15 | 39 | 23.232 | 23.224 | -0.008 |
| 30 | 40 | 23.718 | 23.628 | -0.090 |
| 30 | 41 | 23.141 | 23.257 | 0.116 |
| 30 | 42 | 23.306 | 23.300 | -0.006 |
| 30 | 43 | 23.586 | 23.533 | -0.053 |
| 30 | 44 | 22.559 | 22.712 | 0.153 |
| 35 | 45 | 23.550 | 23.469 | -0.081 |
| 35 | 46 | 23.959 | 23.817 | -0.142 |
| 35 | 47 | 23.230 | 23.253 | 0.023 |
| 35 | 48 | 23.493 | 23.494 | 0.001 |
| 35 | 49 | 23.461 | 23.604 | 0.143 |
| 50 | 50 | 23.991 | 23.756 | -0.235 |
| 50 | 51 | 23.470 | 23.411 | -0.059 |
| 50 | 52 | 23.707 | 23.474 | -0.233 |
| 50 | 53 | 23.988 | 23.862 | -0.126 |
| 50 | 54 | 22.998 | 22.940 | -0.058 |
| 55 | 55 | 23.056 | 23.253 | 0.197 |
| 55 | 56 | 23.587 | 23.331 | -0.256 |
| 55 | 57 | 23.930 | 24.011 | 0.081 |
| 55 | 58 | 23.170 | 23.245 | 0.075 |
| 55 | 59 | 23.972 | 23.771 | -0.201 |
| 100 | 60 | 23.376 | 22.921 | -0.455 |
| 100 | 61 | 22.913 | 23.004 | 0.091 |
| 100 | 62 | 23.871 | 24.068 | 0.197 |
| 100 | 63 | 22.998 | 23.028 | 0.030 |
| 100 | 64 | 22.977 | 23.063 | 0.086 |
| 105 | 65 | 23.491 | 23.515 | 0.024 |
| 105 | 66 | 23.981 | 23.906 | -0.075 |
| 105 | 67 | 23.602 | 23.657 | 0.055 |
| 105 | 68 | 23.456 | 23.534 | 0.078 |
| 105 | 69 | 23.704 | 24.044 | 0.340 |
| | Max | 24.035 | 24.068 | 0.340 |
| | Average | 23.447 | 23.437 | -0.010 |
| | Min | 22.559 | 22.712 | -0.455 |
| | Std Dev | 0.363 | 0.336 | 0.130 |




| | 5.108_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.163 | 22.902 | 23.216 | 22.813 | 23.118 | 22.712 | 23.253 | 22.940 | 23.245 | 22.921 | 23.515 |
| Average | 23.292 | 23.436 | 23.400 | 23.429 | 23.419 | 23.286 | 23.527 | 23.489 | 23.522 | 23.217 | 23.731 |
| Max | 23.373 | 23.813 | 23.844 | 23.757 | 23.967 | 23.628 | 23.817 | 23.862 | 24.011 | 24.068 | 24.044 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

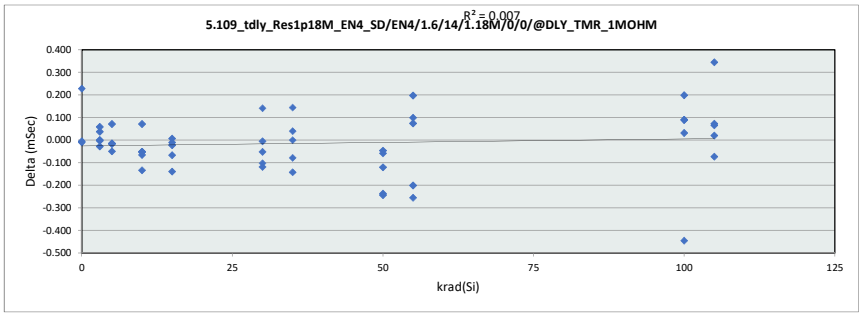


# TID HDR Report
# TPS7H3014-SP

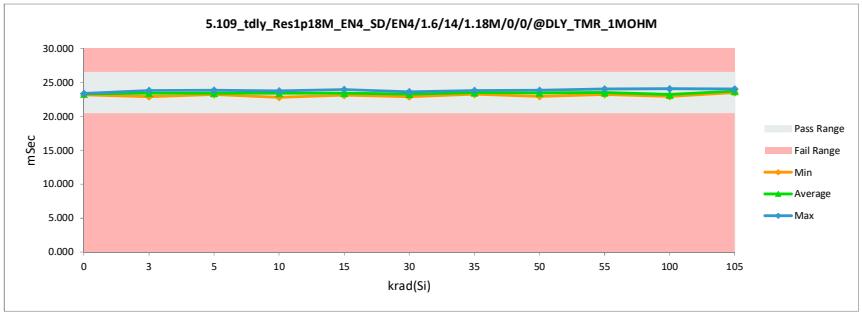
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.109_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.119 | 23.348 | 0.229 |
| 0 | 14 | 23.390 | 23.380 | -0.010 |
| 0 | 15 | 23.176 | 23.171 | -0.005 |
| 3 | 20 | 23.643 | 23.702 | 0.059 |
| 3 | 21 | 23.822 | 23.823 | 0.001 |
| 3 | 22 | 23.619 | 23.657 | 0.038 |
| 3 | 23 | 22.943 | 22.915 | -0.028 |
| 3 | 24 | 23.126 | 23.123 | -0.003 |
| 5 | 25 | 23.375 | 23.447 | 0.072 |
| 5 | 26 | 23.866 | 23.850 | -0.016 |
| 5 | 27 | 23.238 | 23.223 | -0.015 |
| 5 | 28 | 23.277 | 23.263 | -0.014 |
| 5 | 29 | 23.264 | 23.215 | -0.049 |
| 10 | 30 | 23.508 | 23.457 | -0.051 |
| 10 | 31 | 23.897 | 23.764 | -0.133 |
| 10 | 32 | 23.419 | 23.368 | -0.051 |
| 10 | 33 | 23.814 | 23.749 | -0.065 |
| 10 | 34 | 22.757 | 22.829 | 0.072 |
| 15 | 35 | 23.116 | 23.124 | 0.008 |
| 15 | 36 | 23.158 | 23.136 | -0.022 |
| 15 | 37 | 23.798 | 23.659 | -0.139 |
| 15 | 38 | 24.041 | 23.975 | -0.066 |
| 15 | 39 | 23.236 | 23.226 | -0.010 |
| 30 | 40 | 23.734 | 23.632 | -0.102 |
| 30 | 41 | 23.145 | 23.027 | -0.118 |
| 30 | 42 | 23.312 | 23.307 | -0.005 |
| 30 | 43 | 23.590 | 23.539 | -0.051 |
| 30 | 44 | 22.784 | 22.926 | 0.142 |
| 35 | 45 | 23.555 | 23.477 | -0.078 |
| 35 | 46 | 23.965 | 23.823 | -0.142 |
| 35 | 47 | 23.228 | 23.268 | 0.040 |
| 35 | 48 | 23.497 | 23.497 | 0.000 |
| 35 | 49 | 23.468 | 23.613 | 0.145 |
| 50 | 50 | 23.996 | 23.760 | -0.236 |
| 50 | 51 | 23.473 | 23.415 | -0.058 |
| 50 | 52 | 23.712 | 23.469 | -0.243 |
| 50 | 53 | 23.989 | 23.869 | -0.120 |
| 50 | 54 | 22.989 | 22.943 | -0.046 |
| 55 | 55 | 23.062 | 23.260 | 0.198 |
| 55 | 56 | 23.584 | 23.329 | -0.255 |
| 55 | 57 | 23.936 | 24.036 | 0.100 |
| 55 | 58 | 23.174 | 23.249 | 0.075 |
| 55 | 59 | 23.977 | 23.777 | -0.200 |
| 100 | 60 | 23.380 | 22.935 | -0.445 |
| 100 | 61 | 22.919 | 23.009 | 0.090 |
| 100 | 62 | 23.878 | 24.077 | 0.199 |
| 100 | 63 | 23.002 | 23.034 | 0.032 |
| 100 | 64 | 22.981 | 23.071 | 0.090 |
| 105 | 65 | 23.494 | 23.515 | 0.021 |
| 105 | 66 | 23.987 | 23.914 | -0.073 |
| 105 | 67 | 23.605 | 23.671 | 0.066 |
| 105 | 68 | 23.464 | 23.537 | 0.073 |
| 105 | 69 | 23.708 | 24.053 | 0.345 |
| | Max | 24.041 | 24.077 | 0.345 |
| | Average | 23.456 | 23.442 | -0.014 |
| | Min | 22.757 | 22.829 | -0.445 |
| | Std Dev | 0.352 | 0.333 | 0.131 |




| | 5.109_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.171 | 22.915 | 23.215 | 22.829 | 23.124 | 22.926 | 23.268 | 22.943 | 23.249 | 22.935 | 23.515 |
| Average | 23.300 | 23.444 | 23.400 | 23.433 | 23.424 | 23.286 | 23.536 | 23.491 | 23.530 | 23.225 | 23.738 |
| Max | 23.380 | 23.823 | 23.850 | 23.764 | 23.975 | 23.632 | 23.823 | 23.869 | 24.036 | 24.077 | 24.053 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

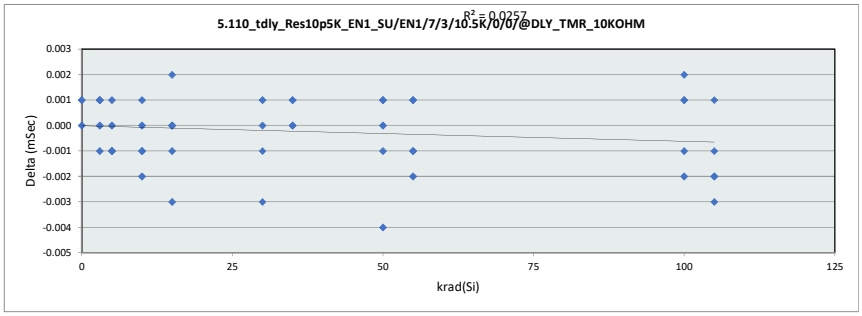


# TID HDR Report
# TPS7H3014-SP

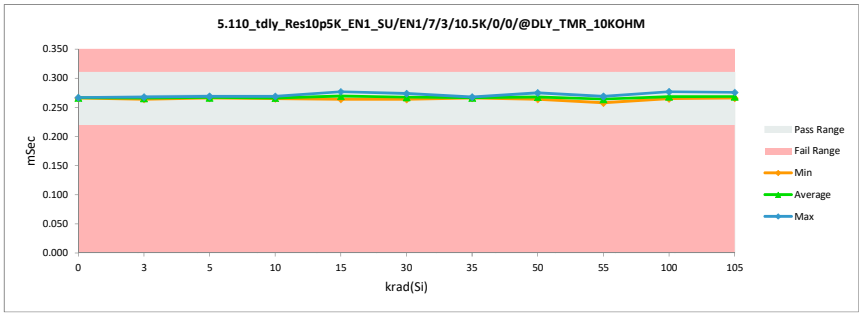
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.110_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.266 | 0.001 |
| 0 | 14 | 0.266 | 0.267 | 0.001 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.264 | 0.265 | 0.001 |
| 3 | 21 | 0.268 | 0.267 | -0.001 |
| 3 | 22 | 0.267 | 0.268 | 0.001 |
| 3 | 23 | 0.266 | 0.266 | 0.000 |
| 3 | 24 | 0.263 | 0.264 | 0.001 |
| 5 | 25 | 0.269 | 0.269 | 0.000 |
| 5 | 26 | 0.267 | 0.266 | -0.001 |
| 5 | 27 | 0.265 | 0.266 | 0.001 |
| 5 | 28 | 0.268 | 0.267 | -0.001 |
| 5 | 29 | 0.268 | 0.267 | -0.001 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.264 | 0.265 | 0.001 |
| 10 | 33 | 0.270 | 0.269 | -0.001 |
| 10 | 34 | 0.268 | 0.266 | -0.002 |
| 15 | 35 | 0.265 | 0.264 | -0.001 |
| 15 | 36 | 0.264 | 0.266 | 0.002 |
| 15 | 37 | 0.277 | 0.274 | -0.003 |
| 15 | 38 | 0.277 | 0.277 | 0.000 |
| 15 | 39 | 0.267 | 0.267 | 0.000 |
| 30 | 40 | 0.268 | 0.268 | 0.000 |
| 30 | 41 | 0.266 | 0.265 | -0.001 |
| 30 | 42 | 0.266 | 0.267 | 0.001 |
| 30 | 43 | 0.273 | 0.274 | 0.001 |
| 30 | 44 | 0.267 | 0.264 | -0.003 |
| 35 | 45 | 0.268 | 0.268 | 0.000 |
| 35 | 46 | 0.266 | 0.266 | 0.000 |
| 35 | 47 | 0.266 | 0.267 | 0.001 |
| 35 | 48 | 0.266 | 0.267 | 0.001 |
| 35 | 49 | 0.265 | 0.266 | 0.001 |
| 50 | 50 | 0.270 | 0.266 | -0.004 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.266 | 0.267 | 0.001 |
| 50 | 53 | 0.276 | 0.275 | -0.001 |
| 50 | 54 | 0.264 | 0.264 | 0.000 |
| 55 | 55 | 0.259 | 0.258 | -0.001 |
| 55 | 56 | 0.270 | 0.269 | -0.001 |
| 55 | 57 | 0.268 | 0.269 | 0.001 |
| 55 | 58 | 0.258 | 0.259 | 0.001 |
| 55 | 59 | 0.268 | 0.266 | -0.002 |
| 100 | 60 | 0.266 | 0.265 | -0.001 |
| 100 | 61 | 0.267 | 0.268 | 0.001 |
| 100 | 62 | 0.275 | 0.277 | 0.002 |
| 100 | 63 | 0.268 | 0.266 | -0.002 |
| 100 | 64 | 0.266 | 0.267 | 0.001 |
| 105 | 65 | 0.269 | 0.266 | -0.003 |
| 105 | 66 | 0.275 | 0.276 | 0.001 |
| 105 | 67 | 0.270 | 0.269 | -0.001 |
| 105 | 68 | 0.269 | 0.267 | -0.002 |
| 105 | 69 | 0.268 | 0.266 | -0.002 |
| | Max | 0.277 | 0.277 | 0.002 |
| | Average | 0.267 | 0.267 | 0.000 |
| | Min | 0.258 | 0.258 | -0.004 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.110_tdly_Res10p5K_EI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.264 | 0.266 | 0.265 | 0.264 | 0.264 | 0.266 | 0.264 | 0.258 | 0.265 | 0.266 |
| Average | 0.267 | 0.266 | 0.267 | 0.266 | 0.270 | 0.268 | 0.267 | 0.268 | 0.264 | 0.269 | 0.269 |
| Max | 0.267 | 0.268 | 0.269 | 0.269 | 0.277 | 0.274 | 0.268 | 0.275 | 0.269 | 0.277 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

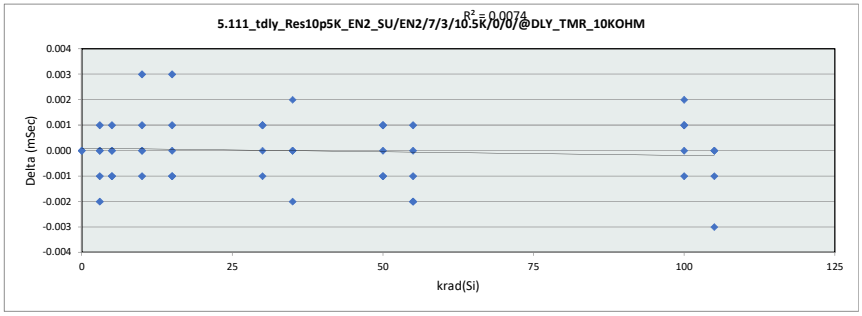


# TID HDR Report
# TPS7H3014-SP

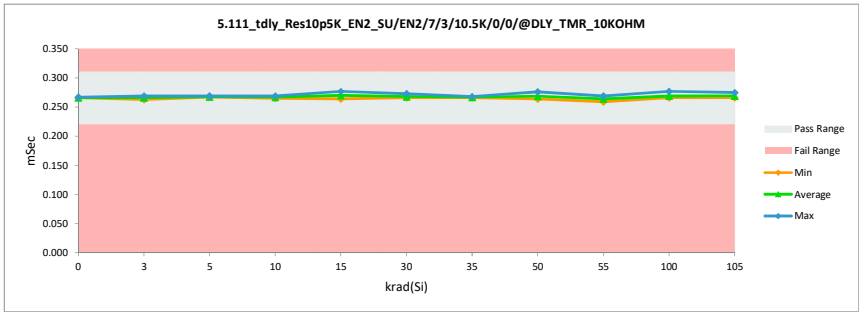
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.111_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.266 | 0.000 |
| 0 | 14 | 0.267 | 0.267 | 0.000 |
| 0 | 15 | 0.266 | 0.266 | 0.000 |
| 3 | 20 | 0.265 | 0.265 | 0.000 |
| 3 | 21 | 0.269 | 0.269 | 0.000 |
| 3 | 22 | 0.267 | 0.268 | 0.001 |
| 3 | 23 | 0.267 | 0.265 | -0.002 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.269 | 0.269 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.266 | 0.267 | 0.001 |
| 5 | 28 | 0.268 | 0.267 | -0.001 |
| 5 | 29 | 0.268 | 0.267 | -0.001 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.264 | 0.267 | 0.003 |
| 10 | 33 | 0.269 | 0.269 | 0.000 |
| 10 | 34 | 0.267 | 0.268 | 0.001 |
| 15 | 35 | 0.265 | 0.266 | 0.001 |
| 15 | 36 | 0.265 | 0.264 | -0.001 |
| 15 | 37 | 0.273 | 0.276 | 0.003 |
| 15 | 38 | 0.278 | 0.277 | -0.001 |
| 15 | 39 | 0.267 | 0.267 | 0.000 |
| 30 | 40 | 0.267 | 0.267 | 0.000 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.268 | 0.267 | -0.001 |
| 30 | 43 | 0.272 | 0.273 | 0.001 |
| 30 | 44 | 0.266 | 0.267 | 0.001 |
| 35 | 45 | 0.269 | 0.267 | -0.002 |
| 35 | 46 | 0.266 | 0.268 | 0.002 |
| 35 | 47 | 0.267 | 0.267 | 0.000 |
| 35 | 48 | 0.267 | 0.267 | 0.000 |
| 35 | 49 | 0.266 | 0.266 | 0.000 |
| 50 | 50 | 0.269 | 0.268 | -0.001 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.269 | 0.268 | -0.001 |
| 50 | 53 | 0.276 | 0.276 | 0.000 |
| 50 | 54 | 0.263 | 0.264 | 0.001 |
| 55 | 55 | 0.259 | 0.260 | 0.001 |
| 55 | 56 | 0.269 | 0.269 | 0.000 |
| 55 | 57 | 0.269 | 0.267 | -0.002 |
| 55 | 58 | 0.260 | 0.259 | -0.001 |
| 55 | 59 | 0.268 | 0.266 | -0.002 |
| 100 | 60 | 0.265 | 0.266 | 0.001 |
| 100 | 61 | 0.267 | 0.267 | 0.000 |
| 100 | 62 | 0.275 | 0.277 | 0.002 |
| 100 | 63 | 0.268 | 0.269 | 0.001 |
| 100 | 64 | 0.267 | 0.266 | -0.001 |
| 105 | 65 | 0.268 | 0.268 | 0.000 |
| 105 | 66 | 0.275 | 0.275 | 0.000 |
| 105 | 67 | 0.271 | 0.270 | -0.001 |
| 105 | 68 | 0.267 | 0.267 | 0.000 |
| 105 | 69 | 0.269 | 0.266 | -0.003 |
| | Max | 0.278 | 0.277 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.259 | 0.259 | -0.003 |
| | Std Dev | 0.003 | 0.004 | 0.001 |




| | 5.111_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.267 | 0.265 | 0.264 | 0.266 | 0.266 | 0.264 | 0.259 | 0.266 | 0.266 |
| Average | 0.266 | 0.266 | 0.268 | 0.267 | 0.270 | 0.268 | 0.267 | 0.269 | 0.264 | 0.269 | 0.269 |
| Max | 0.267 | 0.269 | 0.269 | 0.269 | 0.277 | 0.273 | 0.268 | 0.276 | 0.269 | 0.277 | 0.275 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

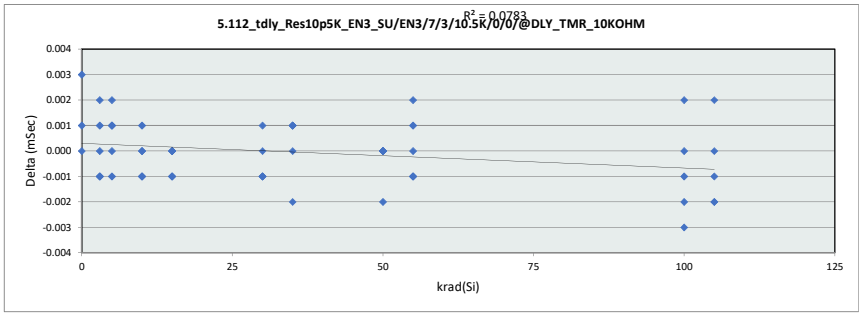


# TID HDR Report
# TPS7H3014-SP

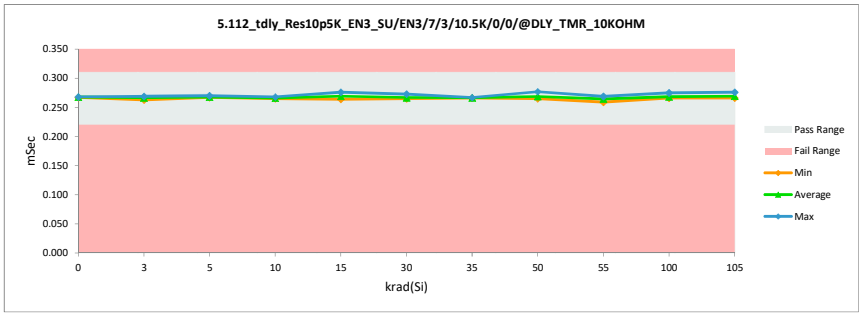
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.112_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.268 | 0.003 |
| 0 | 14 | 0.266 | 0.267 | 0.001 |
| 0 | 15 | 0.268 | 0.268 | 0.000 |
| 3 | 20 | 0.266 | 0.266 | 0.000 |
| 3 | 21 | 0.269 | 0.268 | -0.001 |
| 3 | 22 | 0.268 | 0.269 | 0.001 |
| 3 | 23 | 0.265 | 0.267 | 0.002 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.268 | 0.270 | 0.002 |
| 5 | 26 | 0.267 | 0.267 | 0.000 |
| 5 | 27 | 0.267 | 0.268 | 0.001 |
| 5 | 28 | 0.266 | 0.267 | 0.001 |
| 5 | 29 | 0.268 | 0.267 | -0.001 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.266 | 0.266 | 0.000 |
| 10 | 32 | 0.264 | 0.265 | 0.001 |
| 10 | 33 | 0.269 | 0.268 | -0.001 |
| 10 | 34 | 0.267 | 0.266 | -0.001 |
| 15 | 35 | 0.266 | 0.266 | 0.000 |
| 15 | 36 | 0.265 | 0.264 | -0.001 |
| 15 | 37 | 0.274 | 0.274 | 0.000 |
| 15 | 38 | 0.277 | 0.276 | -0.001 |
| 15 | 39 | 0.266 | 0.266 | 0.000 |
| 30 | 40 | 0.267 | 0.266 | -0.001 |
| 30 | 41 | 0.264 | 0.265 | 0.001 |
| 30 | 42 | 0.267 | 0.266 | -0.001 |
| 30 | 43 | 0.273 | 0.273 | 0.000 |
| 30 | 44 | 0.266 | 0.265 | -0.001 |
| 35 | 45 | 0.269 | 0.267 | -0.002 |
| 35 | 46 | 0.266 | 0.267 | 0.001 |
| 35 | 47 | 0.266 | 0.266 | 0.000 |
| 35 | 48 | 0.266 | 0.267 | 0.001 |
| 35 | 49 | 0.265 | 0.266 | 0.001 |
| 50 | 50 | 0.268 | 0.268 | 0.000 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.269 | 0.267 | -0.002 |
| 50 | 53 | 0.277 | 0.277 | 0.000 |
| 50 | 54 | 0.265 | 0.265 | 0.000 |
| 55 | 55 | 0.258 | 0.259 | 0.001 |
| 55 | 56 | 0.270 | 0.269 | -0.001 |
| 55 | 57 | 0.267 | 0.269 | 0.002 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.267 | 0.266 | -0.001 |
| 100 | 60 | 0.264 | 0.266 | 0.002 |
| 100 | 61 | 0.267 | 0.267 | 0.000 |
| 100 | 62 | 0.278 | 0.275 | -0.003 |
| 100 | 63 | 0.269 | 0.267 | -0.002 |
| 100 | 64 | 0.268 | 0.267 | -0.001 |
| 105 | 65 | 0.268 | 0.268 | 0.000 |
| 105 | 66 | 0.274 | 0.276 | 0.002 |
| 105 | 67 | 0.271 | 0.269 | -0.002 |
| 105 | 68 | 0.269 | 0.267 | -0.002 |
| 105 | 69 | 0.267 | 0.266 | -0.001 |
| | Max | 0.278 | 0.277 | 0.003 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.258 | 0.259 | -0.003 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.112_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.263 | 0.267 | 0.265 | 0.264 | 0.265 | 0.266 | 0.265 | 0.259 | 0.266 | 0.266 |
| Average | 0.268 | 0.267 | 0.268 | 0.266 | 0.269 | 0.267 | 0.267 | 0.269 | 0.265 | 0.268 | 0.269 |
| Max | 0.268 | 0.269 | 0.270 | 0.268 | 0.276 | 0.273 | 0.267 | 0.277 | 0.269 | 0.275 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

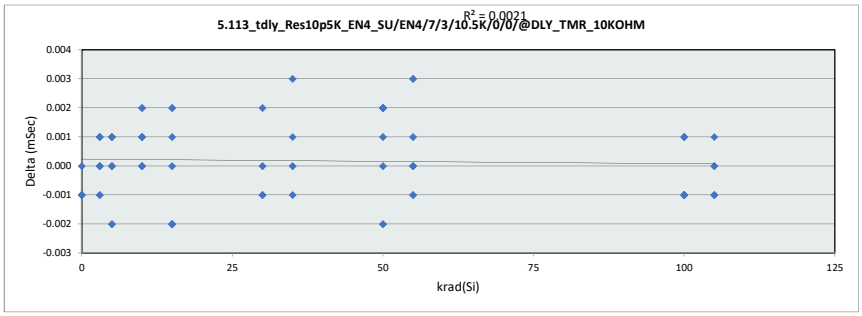


# TID HDR Report
# TPS7H3014-SP

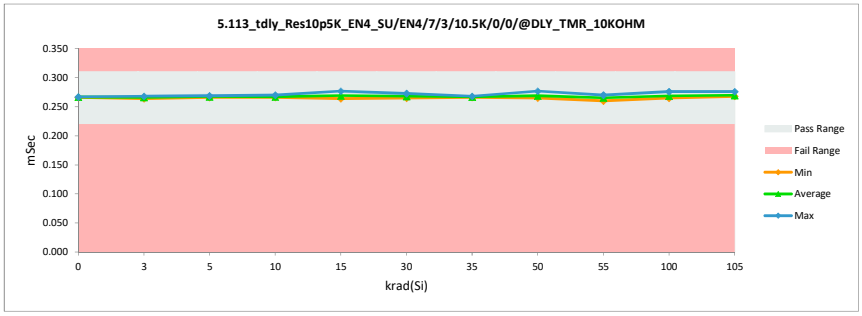
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.113_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.267 | 0.000 |
| 0 | 14 | 0.267 | 0.266 | -0.001 |
| 0 | 15 | 0.268 | 0.267 | -0.001 |
| 3 | 20 | 0.265 | 0.266 | 0.001 |
| 3 | 21 | 0.269 | 0.268 | -0.001 |
| 3 | 22 | 0.268 | 0.268 | 0.000 |
| 3 | 23 | 0.266 | 0.266 | 0.000 |
| 3 | 24 | 0.263 | 0.264 | 0.001 |
| 5 | 25 | 0.268 | 0.269 | 0.001 |
| 5 | 26 | 0.269 | 0.267 | -0.002 |
| 5 | 27 | 0.266 | 0.266 | 0.000 |
| 5 | 28 | 0.267 | 0.268 | 0.001 |
| 5 | 29 | 0.268 | 0.268 | 0.000 |
| 10 | 30 | 0.266 | 0.266 | 0.000 |
| 10 | 31 | 0.266 | 0.266 | 0.000 |
| 10 | 32 | 0.265 | 0.266 | 0.001 |
| 10 | 33 | 0.269 | 0.270 | 0.001 |
| 10 | 34 | 0.266 | 0.268 | 0.002 |
| 15 | 35 | 0.266 | 0.264 | -0.002 |
| 15 | 36 | 0.264 | 0.266 | 0.002 |
| 15 | 37 | 0.275 | 0.273 | -0.002 |
| 15 | 38 | 0.276 | 0.277 | 0.001 |
| 15 | 39 | 0.266 | 0.266 | 0.000 |
| 30 | 40 | 0.268 | 0.267 | -0.001 |
| 30 | 41 | 0.266 | 0.265 | -0.001 |
| 30 | 42 | 0.266 | 0.268 | 0.002 |
| 30 | 43 | 0.273 | 0.273 | 0.000 |
| 30 | 44 | 0.267 | 0.267 | 0.000 |
| 35 | 45 | 0.268 | 0.268 | 0.000 |
| 35 | 46 | 0.265 | 0.268 | 0.003 |
| 35 | 47 | 0.266 | 0.266 | 0.000 |
| 35 | 48 | 0.266 | 0.267 | 0.001 |
| 35 | 49 | 0.267 | 0.266 | -0.001 |
| 50 | 50 | 0.270 | 0.268 | -0.002 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.267 | 0.267 | 0.000 |
| 50 | 53 | 0.275 | 0.277 | 0.002 |
| 50 | 54 | 0.263 | 0.265 | 0.002 |
| 55 | 55 | 0.260 | 0.260 | 0.000 |
| 55 | 56 | 0.270 | 0.269 | -0.001 |
| 55 | 57 | 0.267 | 0.270 | 0.003 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.267 | 0.268 | 0.001 |
| 100 | 60 | 0.266 | 0.265 | -0.001 |
| 100 | 61 | 0.266 | 0.267 | 0.001 |
| 100 | 62 | 0.277 | 0.276 | -0.001 |
| 100 | 63 | 0.268 | 0.269 | 0.001 |
| 100 | 64 | 0.267 | 0.266 | -0.001 |
| 105 | 65 | 0.268 | 0.268 | 0.000 |
| 105 | 66 | 0.276 | 0.276 | 0.000 |
| 105 | 67 | 0.270 | 0.269 | -0.001 |
| 105 | 68 | 0.269 | 0.268 | -0.001 |
| 105 | 69 | 0.267 | 0.268 | 0.001 |
| | Max | 0.277 | 0.277 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.260 | 0.260 | -0.002 |
| | Std Dev | 0.003 | 0.003 | 0.001 |




| | 5.113_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.264 | 0.266 | 0.266 | 0.264 | 0.265 | 0.266 | 0.265 | 0.260 | 0.265 | 0.268 |
| Average | 0.267 | 0.266 | 0.268 | 0.267 | 0.269 | 0.268 | 0.267 | 0.269 | 0.265 | 0.269 | 0.270 |
| Max | 0.267 | 0.268 | 0.269 | 0.270 | 0.277 | 0.273 | 0.268 | 0.277 | 0.270 | 0.276 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

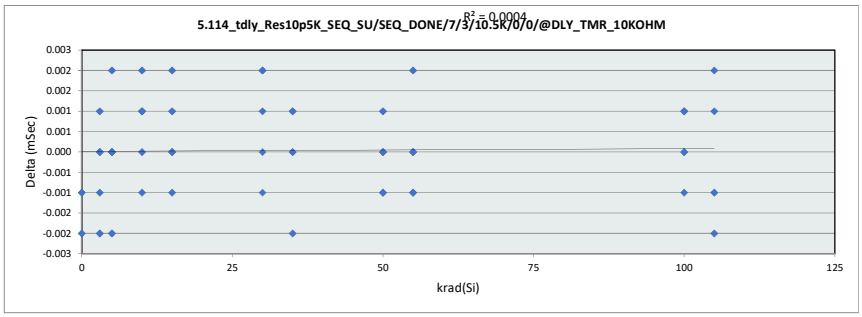


# TID HDR Report
# TPS7H3014-SP

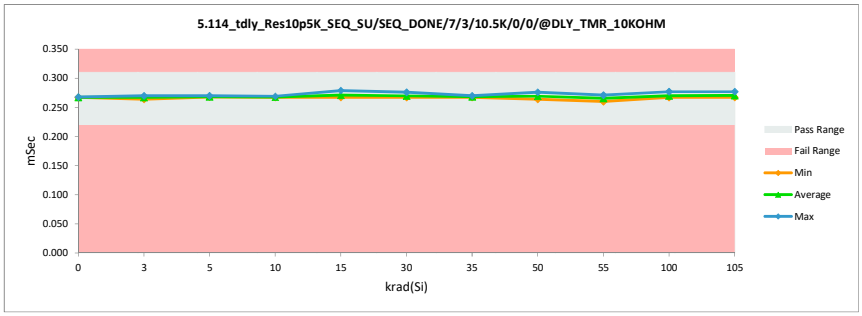
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.114_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.268 | 0.267 | -0.001 |
| 0 | 14 | 0.269 | 0.267 | -0.002 |
| 0 | 15 | 0.269 | 0.268 | -0.001 |
| 3 | 20 | 0.267 | 0.265 | -0.002 |
| 3 | 21 | 0.270 | 0.270 | 0.000 |
| 3 | 22 | 0.269 | 0.269 | 0.000 |
| 3 | 23 | 0.266 | 0.267 | 0.001 |
| 3 | 24 | 0.265 | 0.264 | -0.001 |
| 5 | 25 | 0.270 | 0.270 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.268 | 0.268 | 0.000 |
| 5 | 28 | 0.270 | 0.268 | -0.002 |
| 5 | 29 | 0.267 | 0.269 | 0.002 |
| 10 | 30 | 0.266 | 0.267 | 0.001 |
| 10 | 31 | 0.267 | 0.267 | 0.000 |
| 10 | 32 | 0.266 | 0.267 | 0.001 |
| 10 | 33 | 0.270 | 0.269 | -0.001 |
| 10 | 34 | 0.267 | 0.269 | 0.002 |
| 15 | 35 | 0.266 | 0.267 | 0.001 |
| 15 | 36 | 0.267 | 0.267 | 0.000 |
| 15 | 37 | 0.276 | 0.275 | -0.001 |
| 15 | 38 | 0.279 | 0.279 | 0.000 |
| 15 | 39 | 0.266 | 0.268 | 0.002 |
| 30 | 40 | 0.268 | 0.269 | 0.001 |
| 30 | 41 | 0.265 | 0.267 | 0.002 |
| 30 | 42 | 0.269 | 0.269 | 0.000 |
| 30 | 43 | 0.274 | 0.276 | 0.002 |
| 30 | 44 | 0.268 | 0.267 | -0.001 |
| 35 | 45 | 0.269 | 0.270 | 0.001 |
| 35 | 46 | 0.268 | 0.269 | 0.001 |
| 35 | 47 | 0.269 | 0.267 | -0.002 |
| 35 | 48 | 0.269 | 0.269 | 0.000 |
| 35 | 49 | 0.268 | 0.268 | 0.000 |
| 50 | 50 | 0.269 | 0.269 | 0.000 |
| 50 | 51 | 0.269 | 0.268 | -0.001 |
| 50 | 52 | 0.267 | 0.268 | 0.001 |
| 50 | 53 | 0.277 | 0.276 | -0.001 |
| 50 | 54 | 0.264 | 0.264 | 0.000 |
| 55 | 55 | 0.261 | 0.260 | -0.001 |
| 55 | 56 | 0.269 | 0.271 | 0.002 |
| 55 | 57 | 0.268 | 0.268 | 0.000 |
| 55 | 58 | 0.262 | 0.262 | 0.000 |
| 55 | 59 | 0.269 | 0.268 | -0.001 |
| 100 | 60 | 0.267 | 0.267 | 0.000 |
| 100 | 61 | 0.269 | 0.268 | -0.001 |
| 100 | 62 | 0.277 | 0.277 | 0.000 |
| 100 | 63 | 0.269 | 0.270 | 0.001 |
| 100 | 64 | 0.267 | 0.268 | 0.001 |
| 105 | 65 | 0.268 | 0.267 | -0.001 |
| 105 | 66 | 0.278 | 0.277 | -0.001 |
| 105 | 67 | 0.273 | 0.271 | -0.002 |
| 105 | 68 | 0.268 | 0.269 | 0.001 |
| 105 | 69 | 0.267 | 0.269 | 0.002 |
| | Max | 0.279 | 0.279 | 0.002 |
| | Average | 0.269 | 0.269 | 0.000 |
| | Min | 0.261 | 0.260 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.114_tdly_Res10p5K_SI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.264 | 0.268 | 0.267 | 0.267 | 0.267 | 0.267 | 0.264 | 0.260 | 0.267 | 0.267 |
| Average | 0.267 | 0.267 | 0.269 | 0.268 | 0.271 | 0.270 | 0.269 | 0.269 | 0.266 | 0.270 | 0.271 |
| Max | 0.268 | 0.270 | 0.270 | 0.269 | 0.279 | 0.276 | 0.270 | 0.276 | 0.271 | 0.277 | 0.277 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

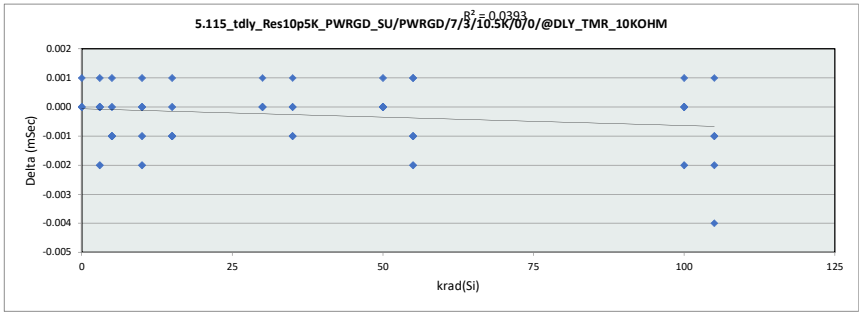


# TID HDR Report
# TPS7H3014-SP

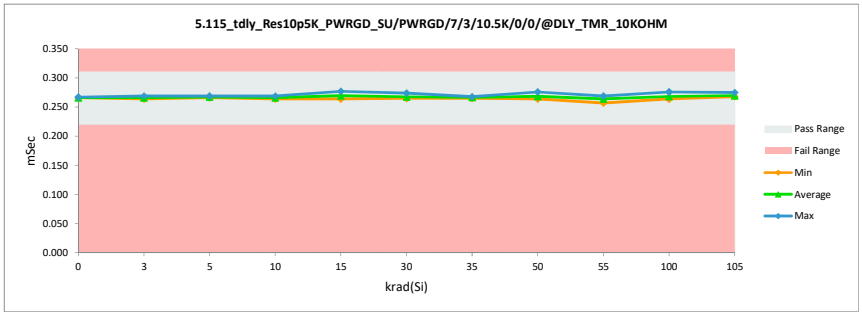
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.115_tdly_Res10p5K_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.266 | 0.001 |
| 0 | 14 | 0.267 | 0.267 | 0.000 |
| 0 | 15 | 0.266 | 0.266 | 0.000 |
| 3 | 20 | 0.265 | 0.265 | 0.000 |
| 3 | 21 | 0.270 | 0.268 | -0.002 |
| 3 | 22 | 0.268 | 0.269 | 0.001 |
| 3 | 23 | 0.265 | 0.265 | 0.000 |
| 3 | 24 | 0.264 | 0.264 | 0.000 |
| 5 | 25 | 0.269 | 0.268 | -0.001 |
| 5 | 26 | 0.268 | 0.269 | 0.001 |
| 5 | 27 | 0.268 | 0.267 | -0.001 |
| 5 | 28 | 0.266 | 0.266 | 0.000 |
| 5 | 29 | 0.268 | 0.267 | -0.001 |
| 10 | 30 | 0.266 | 0.265 | -0.001 |
| 10 | 31 | 0.265 | 0.265 | 0.000 |
| 10 | 32 | 0.266 | 0.264 | -0.002 |
| 10 | 33 | 0.269 | 0.269 | 0.000 |
| 10 | 34 | 0.267 | 0.268 | 0.001 |
| 15 | 35 | 0.265 | 0.264 | -0.001 |
| 15 | 36 | 0.264 | 0.265 | 0.001 |
| 15 | 37 | 0.275 | 0.275 | 0.000 |
| 15 | 38 | 0.278 | 0.277 | -0.001 |
| 15 | 39 | 0.268 | 0.267 | -0.001 |
| 30 | 40 | 0.267 | 0.267 | 0.000 |
| 30 | 41 | 0.264 | 0.265 | 0.001 |
| 30 | 42 | 0.267 | 0.267 | 0.000 |
| 30 | 43 | 0.274 | 0.274 | 0.000 |
| 30 | 44 | 0.265 | 0.265 | 0.000 |
| 35 | 45 | 0.268 | 0.268 | 0.000 |
| 35 | 46 | 0.267 | 0.266 | -0.001 |
| 35 | 47 | 0.267 | 0.266 | -0.001 |
| 35 | 48 | 0.267 | 0.268 | 0.001 |
| 35 | 49 | 0.265 | 0.265 | 0.000 |
| 50 | 50 | 0.268 | 0.268 | 0.000 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.267 | 0.268 | 0.001 |
| 50 | 53 | 0.276 | 0.276 | 0.000 |
| 50 | 54 | 0.264 | 0.264 | 0.000 |
| 55 | 55 | 0.259 | 0.257 | -0.002 |
| 55 | 56 | 0.269 | 0.268 | -0.001 |
| 55 | 57 | 0.268 | 0.269 | 0.001 |
| 55 | 58 | 0.259 | 0.260 | 0.001 |
| 55 | 59 | 0.267 | 0.266 | -0.001 |
| 100 | 60 | 0.266 | 0.266 | 0.000 |
| 100 | 61 | 0.267 | 0.267 | 0.000 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.267 | 0.268 | 0.001 |
| 100 | 64 | 0.266 | 0.264 | -0.002 |
| 105 | 65 | 0.267 | 0.268 | 0.001 |
| 105 | 66 | 0.279 | 0.275 | -0.004 |
| 105 | 67 | 0.271 | 0.269 | -0.002 |
| 105 | 68 | 0.269 | 0.268 | -0.001 |
| 105 | 69 | 0.270 | 0.269 | -0.001 |
| | Max | 0.279 | 0.277 | 0.001 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.259 | 0.257 | -0.004 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.115_tdly_Res10p5K_P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.264 | 0.266 | 0.264 | 0.264 | 0.265 | 0.265 | 0.264 | 0.257 | 0.264 | 0.268 |
| Average | 0.266 | 0.266 | 0.267 | 0.266 | 0.270 | 0.268 | 0.267 | 0.269 | 0.264 | 0.268 | 0.270 |
| Max | 0.267 | 0.269 | 0.269 | 0.269 | 0.277 | 0.274 | 0.268 | 0.276 | 0.269 | 0.276 | 0.275 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

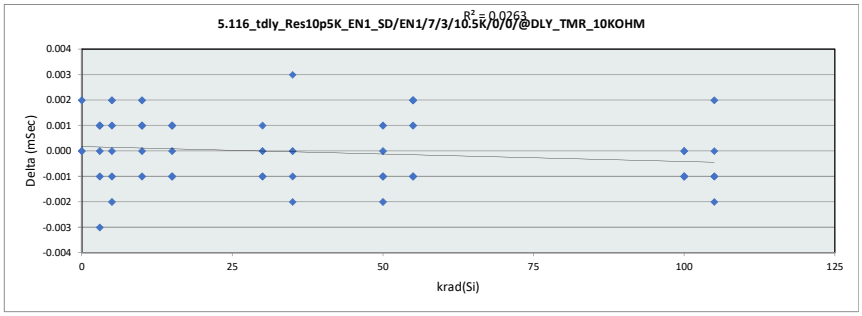


# TID HDR Report
# TPS7H3014-SP

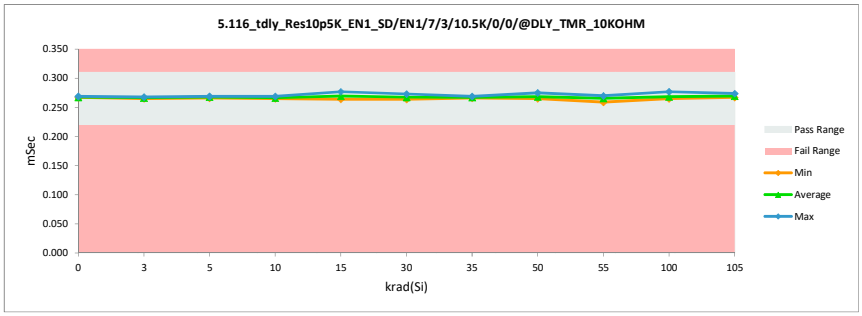
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.116_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.267 | 0.000 |
| 0 | 14 | 0.267 | 0.269 | 0.002 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.265 | 0.266 | 0.001 |
| 3 | 21 | 0.270 | 0.267 | -0.003 |
| 3 | 22 | 0.269 | 0.268 | -0.001 |
| 3 | 23 | 0.266 | 0.266 | 0.000 |
| 3 | 24 | 0.264 | 0.265 | 0.001 |
| 5 | 25 | 0.270 | 0.269 | -0.001 |
| 5 | 26 | 0.267 | 0.267 | 0.000 |
| 5 | 27 | 0.267 | 0.268 | 0.001 |
| 5 | 28 | 0.268 | 0.266 | -0.002 |
| 5 | 29 | 0.267 | 0.269 | 0.002 |
| 10 | 30 | 0.265 | 0.267 | 0.002 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.264 | 0.265 | 0.001 |
| 10 | 33 | 0.269 | 0.269 | 0.000 |
| 10 | 34 | 0.266 | 0.267 | 0.001 |
| 15 | 35 | 0.265 | 0.265 | 0.000 |
| 15 | 36 | 0.265 | 0.264 | -0.001 |
| 15 | 37 | 0.275 | 0.274 | -0.001 |
| 15 | 38 | 0.276 | 0.277 | 0.001 |
| 15 | 39 | 0.267 | 0.268 | 0.001 |
| 30 | 40 | 0.268 | 0.268 | 0.000 |
| 30 | 41 | 0.265 | 0.264 | -0.001 |
| 30 | 42 | 0.267 | 0.267 | 0.000 |
| 30 | 43 | 0.272 | 0.273 | 0.001 |
| 30 | 44 | 0.267 | 0.266 | -0.001 |
| 35 | 45 | 0.269 | 0.269 | 0.000 |
| 35 | 46 | 0.268 | 0.266 | -0.002 |
| 35 | 47 | 0.267 | 0.267 | 0.000 |
| 35 | 48 | 0.267 | 0.266 | -0.001 |
| 35 | 49 | 0.265 | 0.268 | 0.003 |
| 50 | 50 | 0.270 | 0.268 | -0.002 |
| 50 | 51 | 0.268 | 0.267 | -0.001 |
| 50 | 52 | 0.268 | 0.267 | -0.001 |
| 50 | 53 | 0.275 | 0.275 | 0.000 |
| 50 | 54 | 0.264 | 0.265 | 0.001 |
| 55 | 55 | 0.260 | 0.259 | -0.001 |
| 55 | 56 | 0.271 | 0.270 | -0.001 |
| 55 | 57 | 0.268 | 0.269 | 0.001 |
| 55 | 58 | 0.259 | 0.261 | 0.002 |
| 55 | 59 | 0.267 | 0.269 | 0.002 |
| 100 | 60 | 0.267 | 0.266 | -0.001 |
| 100 | 61 | 0.267 | 0.266 | -0.001 |
| 100 | 62 | 0.277 | 0.277 | 0.000 |
| 100 | 63 | 0.268 | 0.268 | 0.000 |
| 100 | 64 | 0.266 | 0.265 | -0.001 |
| 105 | 65 | 0.268 | 0.267 | -0.001 |
| 105 | 66 | 0.276 | 0.274 | -0.002 |
| 105 | 67 | 0.270 | 0.269 | -0.001 |
| 105 | 68 | 0.267 | 0.269 | 0.002 |
| 105 | 69 | 0.268 | 0.268 | 0.000 |
| | Max | 0.277 | 0.277 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.259 | 0.259 | -0.003 |
| | Std Dev | 0.003 | 0.003 | 0.001 |




| | 5.116_tdly_Res10p5K_EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.265 | 0.266 | 0.265 | 0.264 | 0.264 | 0.266 | 0.265 | 0.259 | 0.265 | 0.267 |
| Average | 0.268 | 0.266 | 0.268 | 0.267 | 0.270 | 0.268 | 0.267 | 0.268 | 0.266 | 0.268 | 0.269 |
| Max | 0.269 | 0.268 | 0.269 | 0.269 | 0.277 | 0.273 | 0.269 | 0.275 | 0.270 | 0.277 | 0.274 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

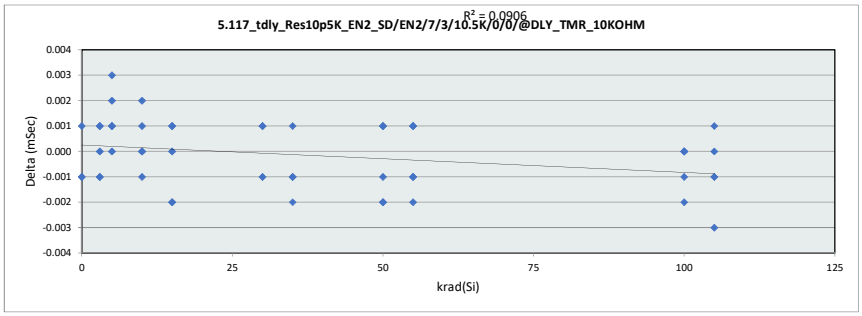


# TID HDR Report
# TPS7H3014-SP

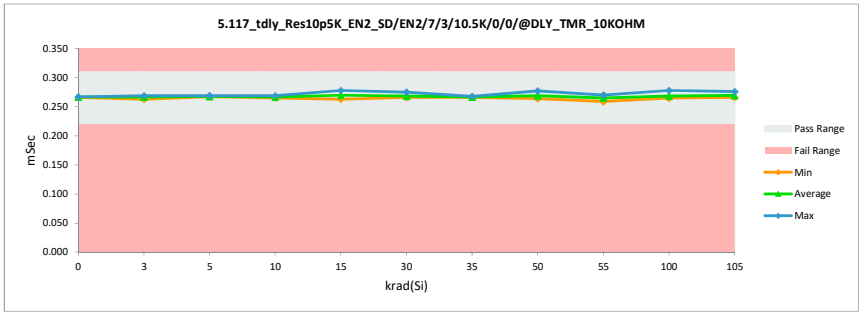
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.117_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.266 | -0.001 |
| 0 | 14 | 0.266 | 0.267 | 0.001 |
| 0 | 15 | 0.268 | 0.267 | -0.001 |
| 3 | 20 | 0.266 | 0.265 | -0.001 |
| 3 | 21 | 0.268 | 0.269 | 0.001 |
| 3 | 22 | 0.269 | 0.268 | -0.001 |
| 3 | 23 | 0.266 | 0.267 | 0.001 |
| 3 | 24 | 0.263 | 0.263 | 0.000 |
| 5 | 25 | 0.268 | 0.269 | 0.001 |
| 5 | 26 | 0.266 | 0.269 | 0.003 |
| 5 | 27 | 0.267 | 0.267 | 0.000 |
| 5 | 28 | 0.266 | 0.268 | 0.002 |
| 5 | 29 | 0.266 | 0.267 | 0.001 |
| 10 | 30 | 0.267 | 0.266 | -0.001 |
| 10 | 31 | 0.265 | 0.265 | 0.000 |
| 10 | 32 | 0.266 | 0.266 | 0.000 |
| 10 | 33 | 0.268 | 0.269 | 0.001 |
| 10 | 34 | 0.266 | 0.268 | 0.002 |
| 15 | 35 | 0.265 | 0.266 | 0.001 |
| 15 | 36 | 0.265 | 0.263 | -0.002 |
| 15 | 37 | 0.277 | 0.275 | -0.002 |
| 15 | 38 | 0.278 | 0.278 | 0.000 |
| 15 | 39 | 0.266 | 0.267 | 0.001 |
| 30 | 40 | 0.268 | 0.267 | -0.001 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.268 | 0.267 | -0.001 |
| 30 | 43 | 0.274 | 0.275 | 0.001 |
| 30 | 44 | 0.266 | 0.267 | 0.001 |
| 35 | 45 | 0.269 | 0.268 | -0.001 |
| 35 | 46 | 0.267 | 0.266 | -0.001 |
| 35 | 47 | 0.268 | 0.266 | -0.002 |
| 35 | 48 | 0.268 | 0.267 | -0.001 |
| 35 | 49 | 0.266 | 0.267 | 0.001 |
| 50 | 50 | 0.269 | 0.267 | -0.002 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.267 | 0.268 | 0.001 |
| 50 | 53 | 0.278 | 0.277 | -0.001 |
| 50 | 54 | 0.266 | 0.264 | -0.002 |
| 55 | 55 | 0.258 | 0.259 | 0.001 |
| 55 | 56 | 0.271 | 0.270 | -0.001 |
| 55 | 57 | 0.269 | 0.270 | 0.001 |
| 55 | 58 | 0.261 | 0.260 | -0.001 |
| 55 | 59 | 0.268 | 0.266 | -0.002 |
| 100 | 60 | 0.267 | 0.265 | -0.002 |
| 100 | 61 | 0.268 | 0.267 | -0.001 |
| 100 | 62 | 0.278 | 0.278 | 0.000 |
| 100 | 63 | 0.267 | 0.267 | 0.000 |
| 100 | 64 | 0.265 | 0.265 | 0.000 |
| 105 | 65 | 0.267 | 0.266 | -0.001 |
| 105 | 66 | 0.276 | 0.276 | 0.000 |
| 105 | 67 | 0.272 | 0.269 | -0.003 |
| 105 | 68 | 0.267 | 0.268 | 0.001 |
| 105 | 69 | 0.268 | 0.267 | -0.001 |
| | Max | 0.278 | 0.278 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.258 | 0.259 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.117_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.263 | 0.267 | 0.265 | 0.263 | 0.266 | 0.266 | 0.264 | 0.259 | 0.265 | 0.266 |
| Average | 0.267 | 0.266 | 0.268 | 0.267 | 0.270 | 0.268 | 0.267 | 0.269 | 0.265 | 0.268 | 0.269 |
| Max | 0.267 | 0.269 | 0.269 | 0.269 | 0.278 | 0.275 | 0.268 | 0.277 | 0.270 | 0.278 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

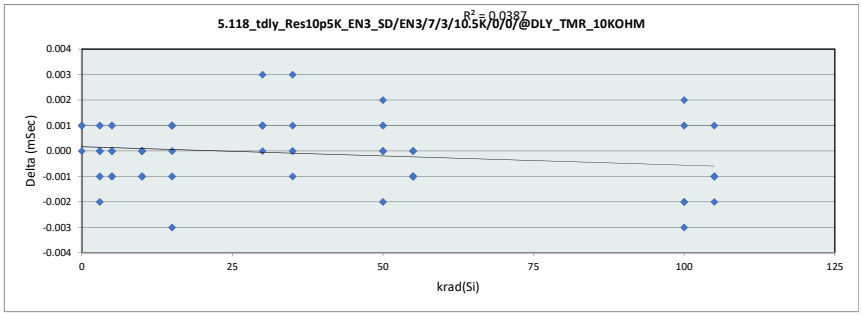


# TID HDR Report
# TPS7H3014-SP

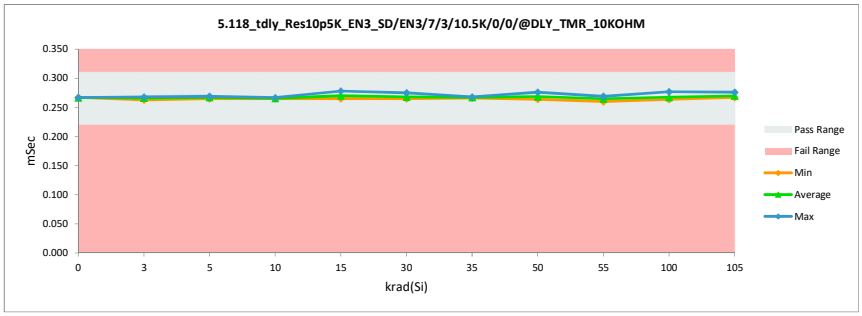
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.118_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.267 | 0.001 |
| 0 | 14 | 0.266 | 0.267 | 0.001 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.266 | 0.267 | 0.001 |
| 3 | 21 | 0.268 | 0.268 | 0.000 |
| 3 | 22 | 0.268 | 0.268 | 0.000 |
| 3 | 23 | 0.267 | 0.265 | -0.002 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.269 | 0.269 | 0.000 |
| 5 | 26 | 0.269 | 0.268 | -0.001 |
| 5 | 27 | 0.266 | 0.265 | -0.001 |
| 5 | 28 | 0.266 | 0.267 | 0.001 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.265 | 0.265 | 0.000 |
| 10 | 31 | 0.266 | 0.265 | -0.001 |
| 10 | 32 | 0.266 | 0.266 | 0.000 |
| 10 | 33 | 0.268 | 0.267 | -0.001 |
| 10 | 34 | 0.266 | 0.266 | 0.000 |
| 15 | 35 | 0.265 | 0.266 | 0.001 |
| 15 | 36 | 0.266 | 0.265 | -0.001 |
| 15 | 37 | 0.277 | 0.274 | -0.003 |
| 15 | 38 | 0.278 | 0.278 | 0.000 |
| 15 | 39 | 0.267 | 0.268 | 0.001 |
| 30 | 40 | 0.267 | 0.267 | 0.000 |
| 30 | 41 | 0.264 | 0.265 | 0.001 |
| 30 | 42 | 0.267 | 0.268 | 0.001 |
| 30 | 43 | 0.272 | 0.275 | 0.003 |
| 30 | 44 | 0.265 | 0.266 | 0.001 |
| 35 | 45 | 0.267 | 0.267 | 0.000 |
| 35 | 46 | 0.269 | 0.268 | -0.001 |
| 35 | 47 | 0.266 | 0.266 | 0.000 |
| 35 | 48 | 0.266 | 0.267 | 0.001 |
| 35 | 49 | 0.265 | 0.268 | 0.003 |
| 50 | 50 | 0.268 | 0.268 | 0.000 |
| 50 | 51 | 0.266 | 0.268 | 0.002 |
| 50 | 52 | 0.269 | 0.267 | -0.002 |
| 50 | 53 | 0.275 | 0.276 | 0.001 |
| 50 | 54 | 0.264 | 0.264 | 0.000 |
| 55 | 55 | 0.260 | 0.260 | 0.000 |
| 55 | 56 | 0.270 | 0.269 | -0.001 |
| 55 | 57 | 0.269 | 0.268 | -0.001 |
| 55 | 58 | 0.260 | 0.260 | 0.000 |
| 55 | 59 | 0.268 | 0.267 | -0.001 |
| 100 | 60 | 0.265 | 0.266 | 0.001 |
| 100 | 61 | 0.267 | 0.265 | -0.002 |
| 100 | 62 | 0.275 | 0.277 | 0.002 |
| 100 | 63 | 0.269 | 0.266 | -0.003 |
| 100 | 64 | 0.266 | 0.264 | -0.002 |
| 105 | 65 | 0.269 | 0.267 | -0.002 |
| 105 | 66 | 0.277 | 0.276 | -0.001 |
| 105 | 67 | 0.271 | 0.270 | -0.001 |
| 105 | 68 | 0.268 | 0.267 | -0.001 |
| 105 | 69 | 0.268 | 0.269 | 0.001 |
| | Max | 0.278 | 0.278 | 0.003 |
| | Average | 0.268 | 0.268 | 0.000 |
| | Min | 0.260 | 0.260 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.118_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.263 | 0.265 | 0.265 | 0.265 | 0.265 | 0.266 | 0.264 | 0.260 | 0.264 | 0.267 |
| Average | 0.267 | 0.266 | 0.267 | 0.266 | 0.270 | 0.268 | 0.267 | 0.269 | 0.265 | 0.268 | 0.270 |
| Max | 0.267 | 0.268 | 0.269 | 0.267 | 0.278 | 0.275 | 0.268 | 0.276 | 0.269 | 0.277 | 0.276 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

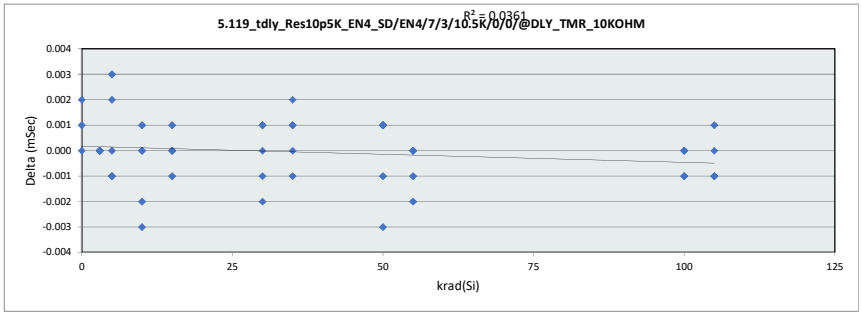


# TID HDR Report
# TPS7H3014-SP

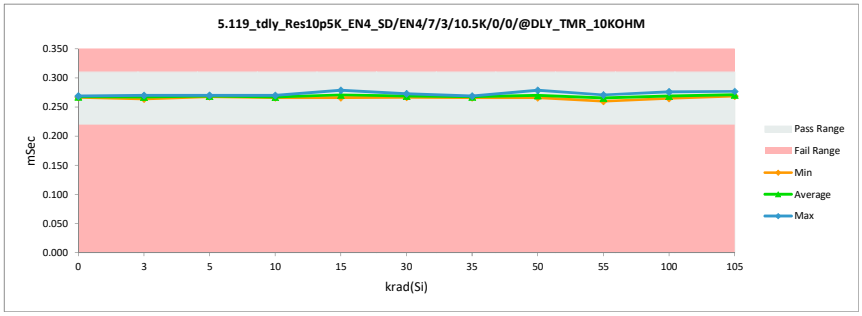
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.119_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.267 | 0.000 |
| 0 | 14 | 0.267 | 0.268 | 0.001 |
| 0 | 15 | 0.267 | 0.269 | 0.002 |
| 3 | 20 | 0.266 | 0.266 | 0.000 |
| 3 | 21 | 0.270 | 0.270 | 0.000 |
| 3 | 22 | 0.269 | 0.269 | 0.000 |
| 3 | 23 | 0.268 | 0.268 | 0.000 |
| 3 | 24 | 0.264 | 0.264 | 0.000 |
| 5 | 25 | 0.270 | 0.270 | 0.000 |
| 5 | 26 | 0.269 | 0.268 | -0.001 |
| 5 | 27 | 0.266 | 0.269 | 0.003 |
| 5 | 28 | 0.267 | 0.269 | 0.002 |
| 5 | 29 | 0.270 | 0.269 | -0.001 |
| 10 | 30 | 0.269 | 0.266 | -0.003 |
| 10 | 31 | 0.266 | 0.266 | 0.000 |
| 10 | 32 | 0.265 | 0.266 | 0.001 |
| 10 | 33 | 0.272 | 0.270 | -0.002 |
| 10 | 34 | 0.268 | 0.268 | 0.000 |
| 15 | 35 | 0.266 | 0.266 | 0.000 |
| 15 | 36 | 0.267 | 0.266 | -0.001 |
| 15 | 37 | 0.276 | 0.276 | 0.000 |
| 15 | 38 | 0.278 | 0.279 | 0.001 |
| 15 | 39 | 0.267 | 0.267 | 0.000 |
| 30 | 40 | 0.268 | 0.268 | 0.000 |
| 30 | 41 | 0.266 | 0.267 | 0.001 |
| 30 | 42 | 0.267 | 0.268 | 0.001 |
| 30 | 43 | 0.275 | 0.273 | -0.002 |
| 30 | 44 | 0.269 | 0.268 | -0.001 |
| 35 | 45 | 0.268 | 0.269 | 0.001 |
| 35 | 46 | 0.267 | 0.267 | 0.000 |
| 35 | 47 | 0.267 | 0.268 | 0.001 |
| 35 | 48 | 0.267 | 0.269 | 0.002 |
| 35 | 49 | 0.267 | 0.266 | -0.001 |
| 50 | 50 | 0.271 | 0.268 | -0.003 |
| 50 | 51 | 0.268 | 0.269 | 0.001 |
| 50 | 52 | 0.270 | 0.269 | -0.001 |
| 50 | 53 | 0.278 | 0.279 | 0.001 |
| 50 | 54 | 0.265 | 0.266 | 0.001 |
| 55 | 55 | 0.260 | 0.260 | 0.000 |
| 55 | 56 | 0.271 | 0.271 | 0.000 |
| 55 | 57 | 0.270 | 0.270 | 0.000 |
| 55 | 58 | 0.262 | 0.260 | -0.002 |
| 55 | 59 | 0.268 | 0.267 | -0.001 |
| 100 | 60 | 0.266 | 0.265 | -0.001 |
| 100 | 61 | 0.268 | 0.268 | 0.000 |
| 100 | 62 | 0.277 | 0.276 | -0.001 |
| 100 | 63 | 0.269 | 0.269 | 0.000 |
| 100 | 64 | 0.267 | 0.267 | 0.000 |
| 105 | 65 | 0.270 | 0.269 | -0.001 |
| 105 | 66 | 0.278 | 0.277 | -0.001 |
| 105 | 67 | 0.273 | 0.272 | -0.001 |
| 105 | 68 | 0.269 | 0.269 | 0.000 |
| 105 | 69 | 0.268 | 0.269 | 0.001 |
| | Max | 0.278 | 0.279 | 0.003 |
| | Average | 0.269 | 0.269 | 0.000 |
| | Min | 0.260 | 0.260 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.119_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.267 | 0.264 | 0.268 | 0.266 | 0.266 | 0.267 | 0.266 | 0.266 | 0.260 | 0.265 | 0.269 |
| Average | 0.268 | 0.267 | 0.269 | 0.267 | 0.271 | 0.269 | 0.268 | 0.270 | 0.266 | 0.269 | 0.271 |
| Max | 0.269 | 0.270 | 0.270 | 0.270 | 0.279 | 0.273 | 0.269 | 0.279 | 0.271 | 0.276 | 0.277 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

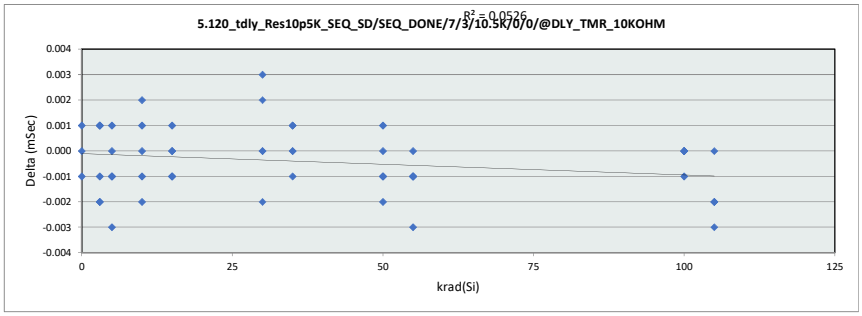


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

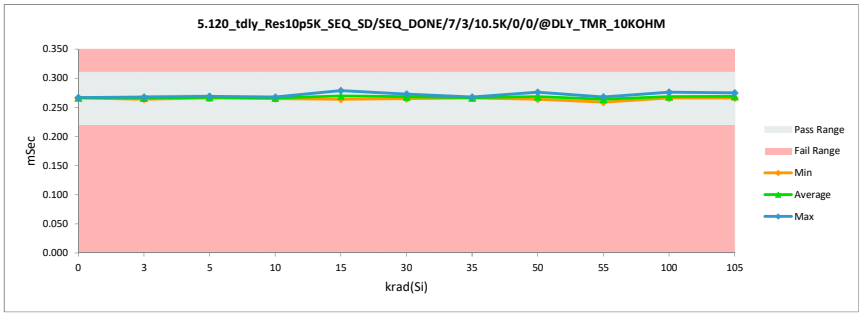
| | 5.120_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.267 | 0.001 |
| 0 | 14 | 0.267 | 0.266 | -0.001 |
| 0 | 15 | 0.267 | 0.267 | 0.000 |
| 3 | 20 | 0.266 | 0.264 | -0.002 |
| 3 | 21 | 0.269 | 0.267 | -0.002 |
| 3 | 22 | 0.269 | 0.268 | -0.001 |
| 3 | 23 | 0.266 | 0.267 | 0.001 |
| 3 | 24 | 0.264 | 0.265 | 0.001 |
| 5 | 25 | 0.270 | 0.269 | -0.001 |
| 5 | 26 | 0.268 | 0.267 | -0.001 |
| 5 | 27 | 0.265 | 0.266 | 0.001 |
| 5 | 28 | 0.270 | 0.267 | -0.003 |
| 5 | 29 | 0.268 | 0.268 | 0.000 |
| 10 | 30 | 0.265 | 0.267 | 0.002 |
| 10 | 31 | 0.264 | 0.265 | 0.001 |
| 10 | 32 | 0.266 | 0.265 | -0.001 |
| 10 | 33 | 0.270 | 0.268 | -0.002 |
| 10 | 34 | 0.267 | 0.267 | 0.000 |
| 15 | 35 | 0.266 | 0.265 | -0.001 |
| 15 | 36 | 0.265 | 0.264 | -0.001 |
| 15 | 37 | 0.274 | 0.274 | 0.000 |
| 15 | 38 | 0.278 | 0.279 | 0.001 |
| 15 | 39 | 0.267 | 0.267 | 0.000 |
| 30 | 40 | 0.267 | 0.270 | 0.003 |
| 30 | 41 | 0.265 | 0.265 | 0.000 |
| 30 | 42 | 0.268 | 0.266 | -0.002 |
| 30 | 43 | 0.273 | 0.273 | 0.000 |
| 30 | 44 | 0.265 | 0.267 | 0.002 |
| 35 | 45 | 0.269 | 0.268 | -0.001 |
| 35 | 46 | 0.266 | 0.267 | 0.001 |
| 35 | 47 | 0.266 | 0.266 | 0.000 |
| 35 | 48 | 0.266 | 0.267 | 0.001 |
| 35 | 49 | 0.267 | 0.267 | 0.000 |
| 50 | 50 | 0.269 | 0.268 | -0.001 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.267 | 0.267 | 0.000 |
| 50 | 53 | 0.278 | 0.276 | -0.002 |
| 50 | 54 | 0.265 | 0.264 | -0.001 |
| 55 | 55 | 0.260 | 0.259 | -0.001 |
| 55 | 56 | 0.271 | 0.268 | -0.003 |
| 55 | 57 | 0.267 | 0.267 | 0.000 |
| 55 | 58 | 0.260 | 0.259 | -0.001 |
| 55 | 59 | 0.268 | 0.267 | -0.001 |
| 100 | 60 | 0.266 | 0.266 | 0.000 |
| 100 | 61 | 0.267 | 0.267 | 0.000 |
| 100 | 62 | 0.277 | 0.276 | -0.001 |
| 100 | 63 | 0.267 | 0.267 | 0.000 |
| 100 | 64 | 0.267 | 0.267 | 0.000 |
| 105 | 65 | 0.269 | 0.267 | -0.002 |
| 105 | 66 | 0.277 | 0.275 | -0.002 |
| 105 | 67 | 0.271 | 0.268 | -0.003 |
| 105 | 68 | 0.268 | 0.268 | 0.000 |
| 105 | 69 | 0.268 | 0.266 | -0.002 |
| | Max | 0.278 | 0.279 | 0.003 |
| | Average | 0.268 | 0.267 | 0.000 |
| | Min | 0.260 | 0.259 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.120_tdly_Res10p5K_SI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.31 | mSec |
| Min Limit | 0.22 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.266 | 0.264 | 0.266 | 0.265 | 0.264 | 0.265 | 0.266 | 0.264 | 0.259 | 0.266 | 0.266 |
| Average | 0.267 | 0.266 | 0.267 | 0.266 | 0.270 | 0.268 | 0.267 | 0.269 | 0.264 | 0.269 | 0.269 |
| Max | 0.267 | 0.268 | 0.269 | 0.268 | 0.279 | 0.273 | 0.268 | 0.276 | 0.268 | 0.276 | 0.275 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

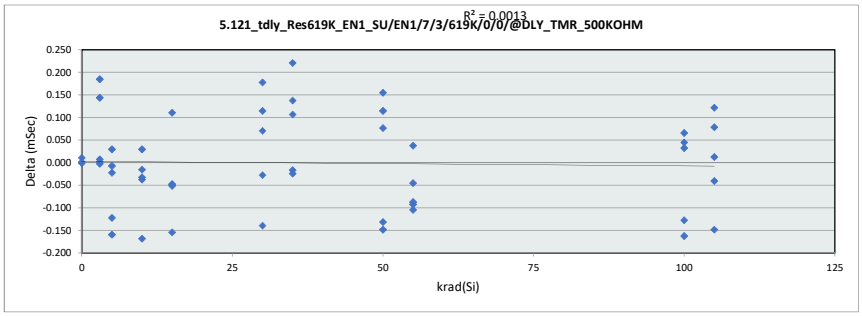


# TID HDR Report
# TPS7H3014-SP

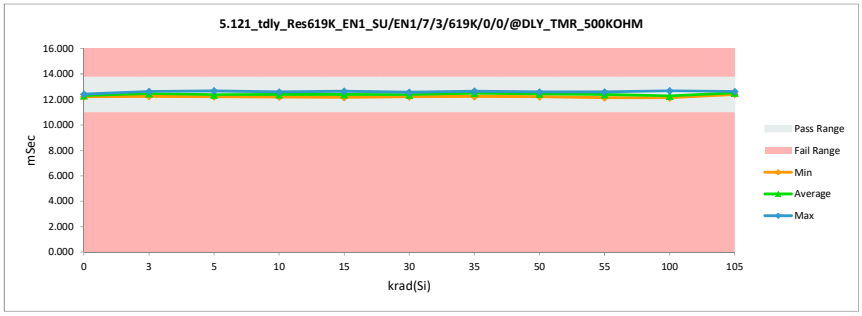
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.121_tdly_Res619K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.420 | 12.422 | 0.002 |
| 0 | 14 | 12.294 | 12.305 | 0.011 |
| 0 | 15 | 12.222 | 12.221 | -0.001 |
| 3 | 20 | 12.553 | 12.551 | -0.002 |
| 3 | 21 | 12.631 | 12.633 | 0.002 |
| 3 | 22 | 12.399 | 12.584 | 0.185 |
| 3 | 23 | 12.133 | 12.277 | 0.144 |
| 3 | 24 | 12.249 | 12.257 | 0.008 |
| 5 | 25 | 12.470 | 12.500 | 0.030 |
| 5 | 26 | 12.684 | 12.677 | -0.007 |
| 5 | 27 | 12.250 | 12.228 | -0.022 |
| 5 | 28 | 12.395 | 12.236 | -0.159 |
| 5 | 29 | 12.400 | 12.278 | -0.122 |
| 10 | 30 | 12.375 | 12.360 | -0.015 |
| 10 | 31 | 12.610 | 12.578 | -0.032 |
| 10 | 32 | 12.438 | 12.270 | -0.168 |
| 10 | 33 | 12.626 | 12.589 | -0.037 |
| 10 | 34 | 12.166 | 12.196 | 0.030 |
| 15 | 35 | 12.326 | 12.172 | -0.154 |
| 15 | 36 | 12.350 | 12.299 | -0.051 |
| 15 | 37 | 12.546 | 12.498 | -0.048 |
| 15 | 38 | 12.690 | 12.643 | -0.047 |
| 15 | 39 | 12.257 | 12.368 | 0.111 |
| 30 | 40 | 12.499 | 12.570 | 0.071 |
| 30 | 41 | 12.357 | 12.218 | -0.139 |
| 30 | 42 | 12.318 | 12.433 | 0.115 |
| 30 | 43 | 12.470 | 12.443 | -0.027 |
| 30 | 44 | 12.058 | 12.236 | 0.178 |
| 35 | 45 | 12.527 | 12.511 | -0.016 |
| 35 | 46 | 12.536 | 12.643 | 0.107 |
| 35 | 47 | 12.263 | 12.239 | -0.024 |
| 35 | 48 | 12.368 | 12.506 | 0.138 |
| 35 | 49 | 12.334 | 12.555 | 0.221 |
| 50 | 50 | 12.609 | 12.461 | -0.148 |
| 50 | 51 | 12.315 | 12.470 | 0.155 |
| 50 | 52 | 12.417 | 12.494 | 0.077 |
| 50 | 53 | 12.721 | 12.590 | -0.131 |
| 50 | 54 | 12.103 | 12.218 | 0.115 |
| 55 | 55 | 12.195 | 12.150 | -0.045 |
| 55 | 56 | 12.565 | 12.473 | -0.092 |
| 55 | 57 | 12.697 | 12.593 | -0.104 |
| 55 | 58 | 12.283 | 12.321 | 0.038 |
| 55 | 59 | 12.526 | 12.439 | -0.087 |
| 100 | 60 | 12.413 | 12.251 | -0.162 |
| 100 | 61 | 12.098 | 12.131 | 0.033 |
| 100 | 62 | 12.620 | 12.686 | 0.066 |
| 100 | 63 | 12.307 | 12.180 | -0.127 |
| 100 | 64 | 12.127 | 12.172 | 0.045 |
| 105 | 65 | 12.512 | 12.525 | 0.013 |
| 105 | 66 | 12.775 | 12.627 | -0.148 |
| 105 | 67 | 12.495 | 12.455 | -0.040 |
| 105 | 68 | 12.324 | 12.403 | 0.079 |
| 105 | 69 | 12.464 | 12.586 | 0.122 |
| | Max | 12.775 | 12.686 | 0.221 |
| | Average | 12.411 | 12.410 | -0.001 |
| | Min | 12.058 | 12.131 | -0.168 |
| | Std Dev | 0.177 | 0.164 | 0.101 |




| | 5.121_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.221 | 12.257 | 12.228 | 12.196 | 12.172 | 12.218 | 12.239 | 12.218 | 12.150 | 12.131 | 12.403 |
| Average | 12.316 | 12.460 | 12.384 | 12.399 | 12.396 | 12.380 | 12.491 | 12.447 | 12.395 | 12.284 | 12.519 |
| Max | 12.422 | 12.633 | 12.677 | 12.589 | 12.643 | 12.570 | 12.643 | 12.590 | 12.593 | 12.686 | 12.627 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

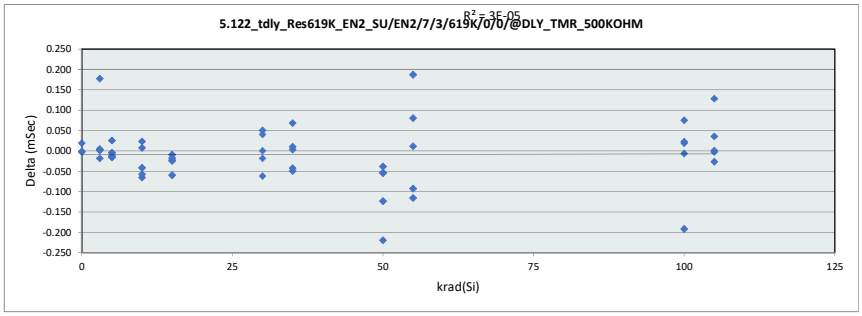


# TID HDR Report
# TPS7H3014-SP

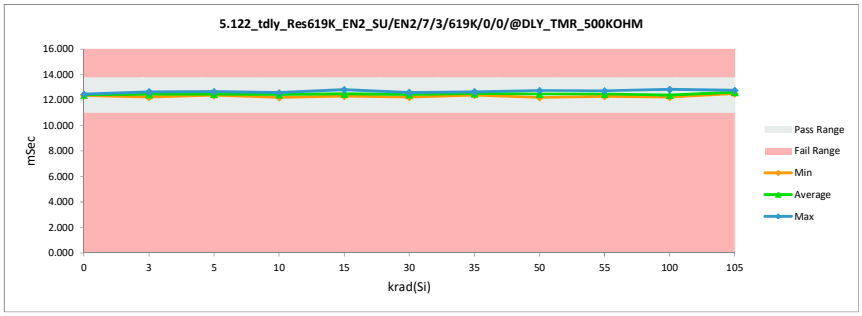
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.122_tdly_Res619K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.435 | 12.434 | -0.001 |
| 0 | 14 | 12.467 | 12.465 | -0.002 |
| 0 | 15 | 12.347 | 12.367 | 0.020 |
| 3 | 20 | 12.551 | 12.554 | 0.003 |
| 3 | 21 | 12.653 | 12.655 | 0.002 |
| 3 | 22 | 12.397 | 12.575 | 0.178 |
| 3 | 23 | 12.271 | 12.253 | -0.018 |
| 3 | 24 | 12.276 | 12.281 | 0.005 |
| 5 | 25 | 12.453 | 12.479 | 0.026 |
| 5 | 26 | 12.674 | 12.670 | -0.004 |
| 5 | 27 | 12.391 | 12.376 | -0.015 |
| 5 | 28 | 12.407 | 12.396 | -0.011 |
| 5 | 29 | 12.421 | 12.406 | -0.015 |
| 10 | 30 | 12.487 | 12.495 | 0.008 |
| 10 | 31 | 12.636 | 12.571 | -0.065 |
| 10 | 32 | 12.433 | 12.392 | -0.041 |
| 10 | 33 | 12.641 | 12.584 | -0.057 |
| 10 | 34 | 12.184 | 12.208 | 0.024 |
| 15 | 35 | 12.319 | 12.310 | -0.009 |
| 15 | 36 | 12.334 | 12.317 | -0.017 |
| 15 | 37 | 12.708 | 12.649 | -0.059 |
| 15 | 38 | 12.842 | 12.820 | -0.022 |
| 15 | 39 | 12.393 | 12.369 | -0.024 |
| 30 | 40 | 12.633 | 12.572 | -0.061 |
| 30 | 41 | 12.338 | 12.379 | 0.041 |
| 30 | 42 | 12.447 | 12.448 | 0.001 |
| 30 | 43 | 12.619 | 12.601 | -0.018 |
| 30 | 44 | 12.178 | 12.229 | 0.051 |
| 35 | 45 | 12.534 | 12.492 | -0.042 |
| 35 | 46 | 12.702 | 12.653 | -0.049 |
| 35 | 47 | 12.391 | 12.395 | 0.004 |
| 35 | 48 | 12.519 | 12.530 | 0.011 |
| 35 | 49 | 12.483 | 12.552 | 0.069 |
| 50 | 50 | 12.751 | 12.628 | -0.123 |
| 50 | 51 | 12.486 | 12.448 | -0.038 |
| 50 | 52 | 12.586 | 12.367 | -0.219 |
| 50 | 53 | 12.806 | 12.753 | -0.053 |
| 50 | 54 | 12.262 | 12.208 | -0.054 |
| 55 | 55 | 12.210 | 12.291 | 0.081 |
| 55 | 56 | 12.581 | 12.466 | -0.115 |
| 55 | 57 | 12.547 | 12.735 | 0.188 |
| 55 | 58 | 12.298 | 12.310 | 0.012 |
| 55 | 59 | 12.699 | 12.607 | -0.092 |
| 100 | 60 | 12.424 | 12.233 | -0.191 |
| 100 | 61 | 12.257 | 12.277 | 0.020 |
| 100 | 62 | 12.764 | 12.840 | 0.076 |
| 100 | 63 | 12.313 | 12.307 | -0.006 |
| 100 | 64 | 12.270 | 12.293 | 0.023 |
| 105 | 65 | 12.513 | 12.511 | -0.002 |
| 105 | 66 | 12.792 | 12.766 | -0.026 |
| 105 | 67 | 12.578 | 12.580 | 0.002 |
| 105 | 68 | 12.496 | 12.532 | 0.036 |
| 105 | 69 | 12.612 | 12.741 | 0.129 |
| | Max | 12.842 | 12.840 | 0.188 |
| | Average | 12.487 | 12.479 | -0.008 |
| | Min | 12.178 | 12.208 | -0.219 |
| | Std Dev | 0.172 | 0.167 | 0.070 |




| | 5.122_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.367 | 12.253 | 12.376 | 12.208 | 12.310 | 12.229 | 12.395 | 12.208 | 12.291 | 12.233 | 12.511 |
| Average | 12.422 | 12.464 | 12.465 | 12.450 | 12.493 | 12.446 | 12.524 | 12.481 | 12.482 | 12.390 | 12.626 |
| Max | 12.465 | 12.655 | 12.670 | 12.584 | 12.820 | 12.601 | 12.653 | 12.753 | 12.735 | 12.840 | 12.766 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

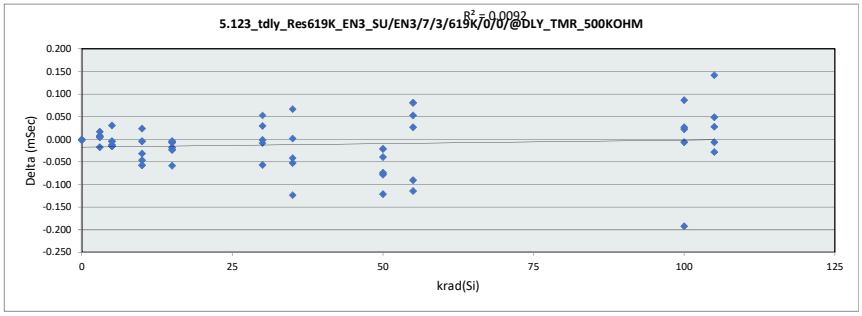


# TID HDR Report
# TPS7H3014-SP

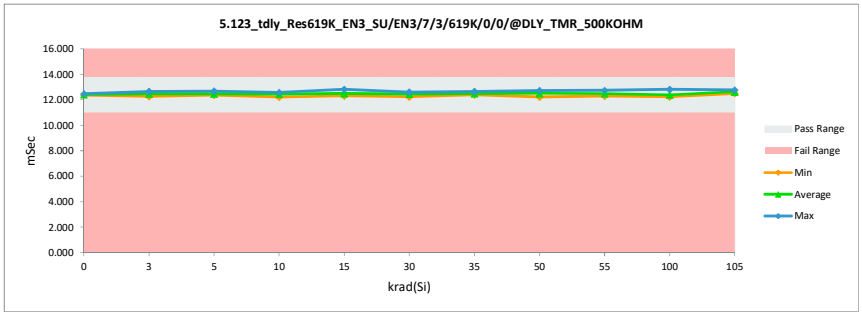
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.123_tdly_Res619K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.438 | 12.437 | -0.001 |
| 0 | 14 | 12.468 | 12.468 | 0.000 |
| 0 | 15 | 12.369 | 12.368 | -0.001 |
| 3 | 20 | 12.551 | 12.568 | 0.017 |
| 3 | 21 | 12.649 | 12.657 | 0.008 |
| 3 | 22 | 12.571 | 12.576 | 0.005 |
| 3 | 23 | 12.272 | 12.255 | -0.017 |
| 3 | 24 | 12.278 | 12.284 | 0.006 |
| 5 | 25 | 12.455 | 12.486 | 0.031 |
| 5 | 26 | 12.676 | 12.672 | -0.004 |
| 5 | 27 | 12.394 | 12.379 | -0.015 |
| 5 | 28 | 12.411 | 12.399 | -0.012 |
| 5 | 29 | 12.423 | 12.408 | -0.015 |
| 10 | 30 | 12.501 | 12.497 | -0.004 |
| 10 | 31 | 12.621 | 12.575 | -0.046 |
| 10 | 32 | 12.434 | 12.403 | -0.031 |
| 10 | 33 | 12.646 | 12.589 | -0.057 |
| 10 | 34 | 12.185 | 12.209 | 0.024 |
| 15 | 35 | 12.322 | 12.315 | -0.007 |
| 15 | 36 | 12.337 | 12.319 | -0.018 |
| 15 | 37 | 12.711 | 12.653 | -0.058 |
| 15 | 38 | 12.842 | 12.819 | -0.023 |
| 15 | 39 | 12.397 | 12.393 | -0.004 |
| 30 | 40 | 12.634 | 12.578 | -0.056 |
| 30 | 41 | 12.339 | 12.369 | 0.030 |
| 30 | 42 | 12.446 | 12.445 | -0.001 |
| 30 | 43 | 12.611 | 12.603 | -0.008 |
| 30 | 44 | 12.181 | 12.234 | 0.053 |
| 35 | 45 | 12.534 | 12.493 | -0.041 |
| 35 | 46 | 12.705 | 12.653 | -0.052 |
| 35 | 47 | 12.394 | 12.396 | 0.002 |
| 35 | 48 | 12.518 | 12.395 | -0.123 |
| 35 | 49 | 12.486 | 12.553 | 0.067 |
| 50 | 50 | 12.752 | 12.631 | -0.121 |
| 50 | 51 | 12.485 | 12.464 | -0.021 |
| 50 | 52 | 12.562 | 12.488 | -0.074 |
| 50 | 53 | 12.810 | 12.732 | -0.078 |
| 50 | 54 | 12.262 | 12.223 | -0.039 |
| 55 | 55 | 12.214 | 12.295 | 0.081 |
| 55 | 56 | 12.583 | 12.469 | -0.114 |
| 55 | 57 | 12.685 | 12.738 | 0.053 |
| 55 | 58 | 12.302 | 12.329 | 0.027 |
| 55 | 59 | 12.699 | 12.609 | -0.090 |
| 100 | 60 | 12.426 | 12.234 | -0.192 |
| 100 | 61 | 12.257 | 12.280 | 0.023 |
| 100 | 62 | 12.738 | 12.825 | 0.087 |
| 100 | 63 | 12.315 | 12.309 | -0.006 |
| 100 | 64 | 12.269 | 12.296 | 0.027 |
| 105 | 65 | 12.510 | 12.504 | -0.006 |
| 105 | 66 | 12.794 | 12.766 | -0.028 |
| 105 | 67 | 12.579 | 12.607 | 0.028 |
| 105 | 68 | 12.486 | 12.535 | 0.049 |
| 105 | 69 | 12.614 | 12.756 | 0.142 |
| | Max | 12.842 | 12.825 | 0.142 |
| | Average | 12.493 | 12.482 | -0.011 |
| | Min | 12.181 | 12.209 | -0.192 |
| | Std Dev | 0.172 | 0.165 | 0.057 |




| | 5.123_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.368 | 12.255 | 12.379 | 12.209 | 12.315 | 12.234 | 12.395 | 12.223 | 12.295 | 12.234 | 12.504 |
| Average | 12.424 | 12.468 | 12.469 | 12.455 | 12.500 | 12.446 | 12.498 | 12.508 | 12.488 | 12.389 | 12.634 |
| Max | 12.468 | 12.657 | 12.672 | 12.589 | 12.819 | 12.603 | 12.653 | 12.732 | 12.738 | 12.825 | 12.766 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

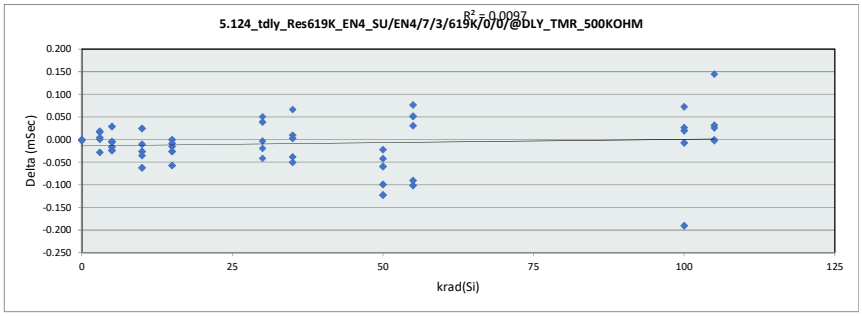


# TID HDR Report
# TPS7H3014-SP

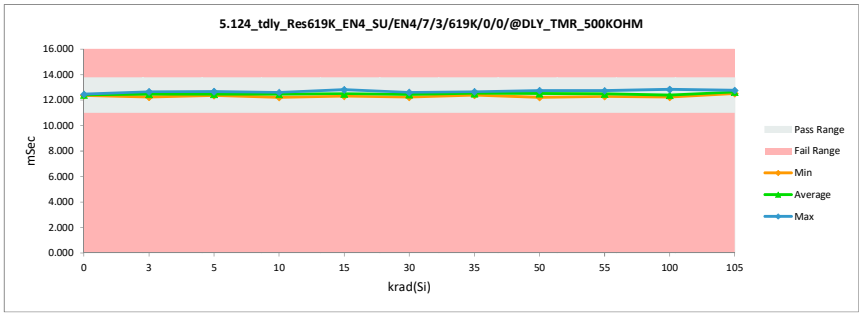
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.124_tdly_Res619K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.437 | 12.437 | 0.000 |
| 0 | 14 | 12.469 | 12.467 | -0.002 |
| 0 | 15 | 12.370 | 12.370 | 0.000 |
| 3 | 20 | 12.553 | 12.572 | 0.019 |
| 3 | 21 | 12.655 | 12.656 | 0.001 |
| 3 | 22 | 12.575 | 12.592 | 0.017 |
| 3 | 23 | 12.276 | 12.248 | -0.028 |
| 3 | 24 | 12.279 | 12.284 | 0.005 |
| 5 | 25 | 12.457 | 12.486 | 0.029 |
| 5 | 26 | 12.678 | 12.673 | -0.005 |
| 5 | 27 | 12.395 | 12.379 | -0.016 |
| 5 | 28 | 12.401 | 12.397 | -0.004 |
| 5 | 29 | 12.425 | 12.401 | -0.024 |
| 10 | 30 | 12.509 | 12.499 | -0.010 |
| 10 | 31 | 12.639 | 12.577 | -0.062 |
| 10 | 32 | 12.434 | 12.408 | -0.026 |
| 10 | 33 | 12.645 | 12.610 | -0.035 |
| 10 | 34 | 12.187 | 12.212 | 0.025 |
| 15 | 35 | 12.322 | 12.314 | -0.008 |
| 15 | 36 | 12.337 | 12.322 | -0.015 |
| 15 | 37 | 12.715 | 12.658 | -0.057 |
| 15 | 38 | 12.845 | 12.819 | -0.026 |
| 15 | 39 | 12.397 | 12.397 | 0.000 |
| 30 | 40 | 12.618 | 12.577 | -0.041 |
| 30 | 41 | 12.342 | 12.381 | 0.039 |
| 30 | 42 | 12.451 | 12.448 | -0.003 |
| 30 | 43 | 12.624 | 12.605 | -0.019 |
| 30 | 44 | 12.184 | 12.235 | 0.051 |
| 35 | 45 | 12.535 | 12.497 | -0.038 |
| 35 | 46 | 12.706 | 12.656 | -0.050 |
| 35 | 47 | 12.396 | 12.399 | 0.003 |
| 35 | 48 | 12.522 | 12.532 | 0.010 |
| 35 | 49 | 12.487 | 12.554 | 0.067 |
| 50 | 50 | 12.755 | 12.633 | -0.122 |
| 50 | 51 | 12.489 | 12.467 | -0.022 |
| 50 | 52 | 12.590 | 12.491 | -0.099 |
| 50 | 53 | 12.808 | 12.749 | -0.059 |
| 50 | 54 | 12.265 | 12.223 | -0.042 |
| 55 | 55 | 12.213 | 12.290 | 0.077 |
| 55 | 56 | 12.570 | 12.469 | -0.101 |
| 55 | 57 | 12.686 | 12.738 | 0.052 |
| 55 | 58 | 12.298 | 12.329 | 0.031 |
| 55 | 59 | 12.700 | 12.610 | -0.090 |
| 100 | 60 | 12.427 | 12.237 | -0.190 |
| 100 | 61 | 12.261 | 12.281 | 0.020 |
| 100 | 62 | 12.768 | 12.841 | 0.073 |
| 100 | 63 | 12.316 | 12.309 | -0.007 |
| 100 | 64 | 12.273 | 12.300 | 0.027 |
| 105 | 65 | 12.518 | 12.516 | -0.002 |
| 105 | 66 | 12.770 | 12.770 | 0.000 |
| 105 | 67 | 12.582 | 12.608 | 0.026 |
| 105 | 68 | 12.501 | 12.533 | 0.032 |
| 105 | 69 | 12.615 | 12.760 | 0.145 |
| | Max | 12.845 | 12.841 | 0.145 |
| | Average | 12.496 | 12.487 | -0.009 |
| | Min | 12.184 | 12.212 | -0.190 |
| | Std Dev | 0.172 | 0.167 | 0.053 |




| | 5.124_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.370 | 12.248 | 12.379 | 12.212 | 12.314 | 12.235 | 12.399 | 12.223 | 12.290 | 12.237 | 12.516 |
| Average | 12.425 | 12.470 | 12.467 | 12.461 | 12.502 | 12.449 | 12.528 | 12.513 | 12.487 | 12.394 | 12.637 |
| Max | 12.467 | 12.656 | 12.673 | 12.610 | 12.819 | 12.605 | 12.656 | 12.749 | 12.738 | 12.841 | 12.770 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

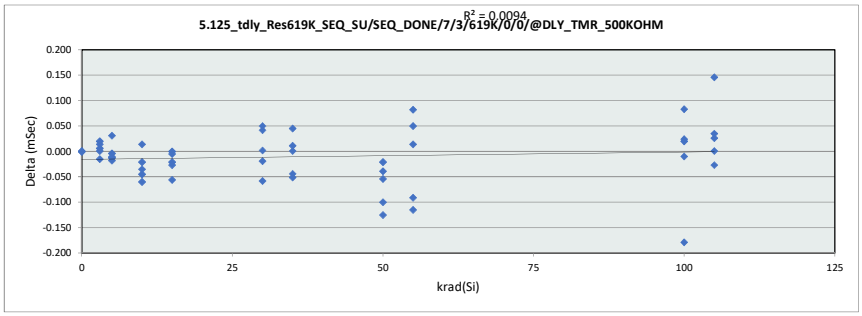


# TID HDR Report
# TPS7H3014-SP

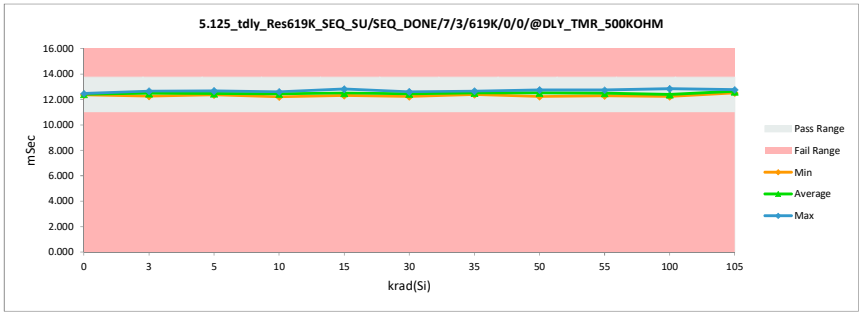
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.125_tdly_Res619K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.439 | 12.440 | 0.001 |
| 0 | 14 | 12.470 | 12.469 | -0.001 |
| 0 | 15 | 12.370 | 12.370 | 0.000 |
| 3 | 20 | 12.554 | 12.574 | 0.020 |
| 3 | 21 | 12.657 | 12.658 | 0.001 |
| 3 | 22 | 12.579 | 12.593 | 0.014 |
| 3 | 23 | 12.275 | 12.260 | -0.015 |
| 3 | 24 | 12.280 | 12.286 | 0.006 |
| 5 | 25 | 12.454 | 12.485 | 0.031 |
| 5 | 26 | 12.678 | 12.674 | -0.004 |
| 5 | 27 | 12.394 | 12.381 | -0.013 |
| 5 | 28 | 12.413 | 12.402 | -0.011 |
| 5 | 29 | 12.426 | 12.408 | -0.018 |
| 10 | 30 | 12.511 | 12.490 | -0.021 |
| 10 | 31 | 12.638 | 12.578 | -0.060 |
| 10 | 32 | 12.434 | 12.389 | -0.045 |
| 10 | 33 | 12.645 | 12.610 | -0.035 |
| 10 | 34 | 12.189 | 12.203 | 0.014 |
| 15 | 35 | 12.322 | 12.317 | -0.005 |
| 15 | 36 | 12.339 | 12.318 | -0.021 |
| 15 | 37 | 12.713 | 12.657 | -0.056 |
| 15 | 38 | 12.849 | 12.822 | -0.027 |
| 15 | 39 | 12.397 | 12.397 | 0.000 |
| 30 | 40 | 12.636 | 12.578 | -0.058 |
| 30 | 41 | 12.341 | 12.383 | 0.042 |
| 30 | 42 | 12.449 | 12.451 | 0.002 |
| 30 | 43 | 12.624 | 12.605 | -0.019 |
| 30 | 44 | 12.184 | 12.234 | 0.050 |
| 35 | 45 | 12.538 | 12.494 | -0.044 |
| 35 | 46 | 12.707 | 12.656 | -0.051 |
| 35 | 47 | 12.396 | 12.397 | 0.001 |
| 35 | 48 | 12.523 | 12.534 | 0.011 |
| 35 | 49 | 12.488 | 12.533 | 0.045 |
| 50 | 50 | 12.756 | 12.631 | -0.125 |
| 50 | 51 | 12.487 | 12.466 | -0.021 |
| 50 | 52 | 12.591 | 12.491 | -0.100 |
| 50 | 53 | 12.811 | 12.757 | -0.054 |
| 50 | 54 | 12.265 | 12.226 | -0.039 |
| 55 | 55 | 12.215 | 12.297 | 0.082 |
| 55 | 56 | 12.586 | 12.471 | -0.115 |
| 55 | 57 | 12.688 | 12.738 | 0.050 |
| 55 | 58 | 12.306 | 12.320 | 0.014 |
| 55 | 59 | 12.702 | 12.611 | -0.091 |
| 100 | 60 | 12.415 | 12.236 | -0.179 |
| 100 | 61 | 12.260 | 12.280 | 0.020 |
| 100 | 62 | 12.768 | 12.851 | 0.083 |
| 100 | 63 | 12.318 | 12.308 | -0.010 |
| 100 | 64 | 12.273 | 12.297 | 0.024 |
| 105 | 65 | 12.518 | 12.519 | 0.001 |
| 105 | 66 | 12.798 | 12.771 | -0.027 |
| 105 | 67 | 12.582 | 12.608 | 0.026 |
| 105 | 68 | 12.500 | 12.535 | 0.035 |
| 105 | 69 | 12.616 | 12.762 | 0.146 |
| | Max | 12.849 | 12.851 | 0.146 |
| | Average | 12.497 | 12.487 | -0.010 |
| | Min | 12.184 | 12.203 | -0.179 |
| | Std Dev | 0.173 | 0.168 | 0.053 |




| | 5.125_tdly_Res619K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.370 | 12.260 | 12.381 | 12.203 | 12.317 | 12.234 | 12.397 | 12.226 | 12.297 | 12.236 | 12.519 |
| Average | 12.426 | 12.474 | 12.470 | 12.454 | 12.502 | 12.450 | 12.523 | 12.514 | 12.487 | 12.394 | 12.639 |
| Max | 12.469 | 12.658 | 12.674 | 12.610 | 12.822 | 12.605 | 12.656 | 12.757 | 12.738 | 12.851 | 12.771 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

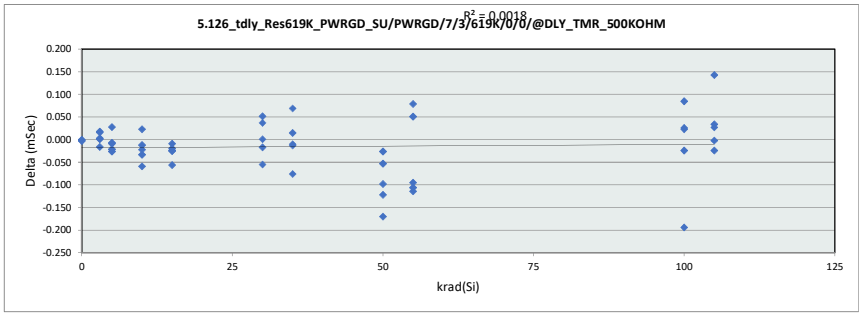


# TID HDR Report
# TPS7H3014-SP

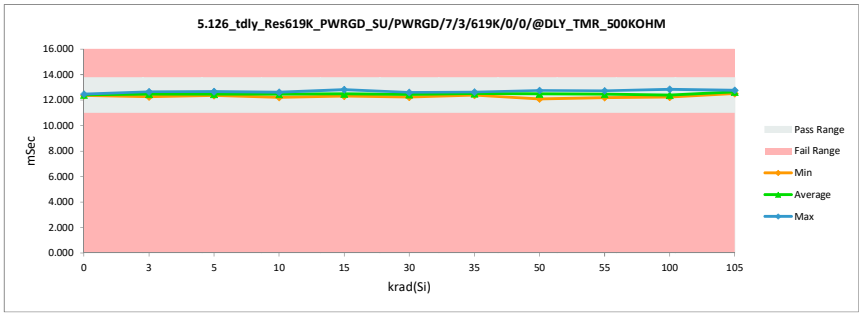
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.126_tdly_Res619K_PWR | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.439 | 12.439 | 0.000 |
| 0 | 14 | 12.473 | 12.470 | -0.003 |
| 0 | 15 | 12.365 | 12.363 | -0.002 |
| 3 | 20 | 12.554 | 12.572 | 0.018 |
| 3 | 21 | 12.657 | 12.660 | 0.003 |
| 3 | 22 | 12.578 | 12.594 | 0.016 |
| 3 | 23 | 12.276 | 12.260 | -0.016 |
| 3 | 24 | 12.281 | 12.282 | 0.001 |
| 5 | 25 | 12.459 | 12.487 | 0.028 |
| 5 | 26 | 12.680 | 12.673 | -0.007 |
| 5 | 27 | 12.396 | 12.370 | -0.026 |
| 5 | 28 | 12.412 | 12.403 | -0.009 |
| 5 | 29 | 12.427 | 12.406 | -0.021 |
| 10 | 30 | 12.511 | 12.499 | -0.012 |
| 10 | 31 | 12.639 | 12.580 | -0.059 |
| 10 | 32 | 12.436 | 12.414 | -0.022 |
| 10 | 33 | 12.646 | 12.613 | -0.033 |
| 10 | 34 | 12.188 | 12.211 | 0.023 |
| 15 | 35 | 12.323 | 12.314 | -0.009 |
| 15 | 36 | 12.340 | 12.321 | -0.019 |
| 15 | 37 | 12.715 | 12.659 | -0.056 |
| 15 | 38 | 12.847 | 12.822 | -0.025 |
| 15 | 39 | 12.399 | 12.375 | -0.024 |
| 30 | 40 | 12.635 | 12.580 | -0.055 |
| 30 | 41 | 12.344 | 12.381 | 0.037 |
| 30 | 42 | 12.451 | 12.452 | 0.001 |
| 30 | 43 | 12.623 | 12.606 | -0.017 |
| 30 | 44 | 12.185 | 12.237 | 0.052 |
| 35 | 45 | 12.507 | 12.494 | -0.013 |
| 35 | 46 | 12.707 | 12.631 | -0.076 |
| 35 | 47 | 12.399 | 12.389 | -0.010 |
| 35 | 48 | 12.519 | 12.534 | 0.015 |
| 35 | 49 | 12.487 | 12.556 | 0.069 |
| 50 | 50 | 12.756 | 12.634 | -0.122 |
| 50 | 51 | 12.489 | 12.463 | -0.026 |
| 50 | 52 | 12.590 | 12.492 | -0.098 |
| 50 | 53 | 12.811 | 12.758 | -0.053 |
| 50 | 54 | 12.266 | 12.096 | -0.170 |
| 55 | 55 | 12.216 | 12.295 | 0.079 |
| 55 | 56 | 12.586 | 12.472 | -0.114 |
| 55 | 57 | 12.688 | 12.739 | 0.051 |
| 55 | 58 | 12.303 | 12.197 | -0.106 |
| 55 | 59 | 12.704 | 12.609 | -0.095 |
| 100 | 60 | 12.430 | 12.236 | -0.194 |
| 100 | 61 | 12.259 | 12.282 | 0.023 |
| 100 | 62 | 12.768 | 12.853 | 0.085 |
| 100 | 63 | 12.318 | 12.294 | -0.024 |
| 100 | 64 | 12.274 | 12.300 | 0.026 |
| 105 | 65 | 12.518 | 12.516 | -0.002 |
| 105 | 66 | 12.796 | 12.772 | -0.024 |
| 105 | 67 | 12.582 | 12.609 | 0.027 |
| 105 | 68 | 12.503 | 12.537 | 0.034 |
| 105 | 69 | 12.617 | 12.760 | 0.143 |
| | Max | 12.847 | 12.853 | 0.143 |
| | Average | 12.498 | 12.482 | -0.015 |
| | Min | 12.185 | 12.096 | -0.194 |
| | Std Dev | 0.173 | 0.176 | 0.060 |




| | 5.126_tdly_Res619K_PW | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.363 | 12.260 | 12.370 | 12.211 | 12.314 | 12.237 | 12.389 | 12.096 | 12.197 | 12.236 | 12.516 |
| Average | 12.424 | 12.474 | 12.468 | 12.463 | 12.498 | 12.451 | 12.521 | 12.489 | 12.462 | 12.393 | 12.639 |
| Max | 12.470 | 12.660 | 12.673 | 12.613 | 12.822 | 12.606 | 12.631 | 12.758 | 12.739 | 12.853 | 12.772 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

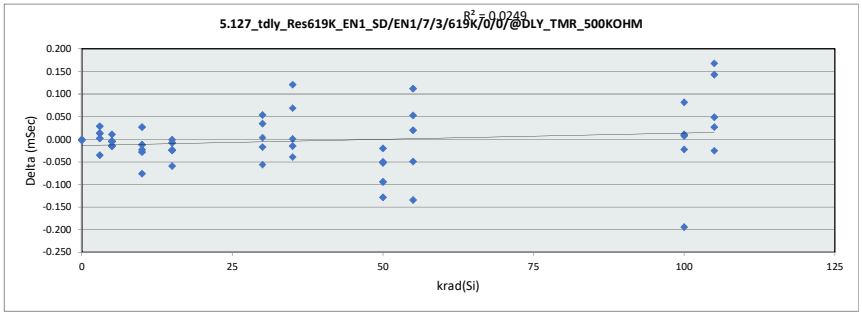


# TID HDR Report
# TPS7H3014-SP

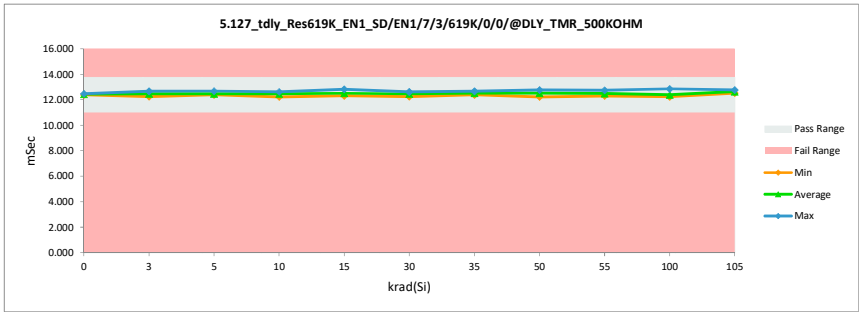
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.127_tdly_Res619K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.447 | 12.447 | 0.000 |
| 0 | 14 | 12.479 | 12.478 | -0.001 |
| 0 | 15 | 12.380 | 12.378 | -0.002 |
| 3 | 20 | 12.553 | 12.582 | 0.029 |
| 3 | 21 | 12.654 | 12.668 | 0.014 |
| 3 | 22 | 12.584 | 12.597 | 0.013 |
| 3 | 23 | 12.284 | 12.249 | -0.035 |
| 3 | 24 | 12.290 | 12.292 | 0.002 |
| 5 | 25 | 12.465 | 12.476 | 0.011 |
| 5 | 26 | 12.687 | 12.683 | -0.004 |
| 5 | 27 | 12.404 | 12.389 | -0.015 |
| 5 | 28 | 12.419 | 12.414 | -0.005 |
| 5 | 29 | 12.434 | 12.419 | -0.015 |
| 10 | 30 | 12.519 | 12.507 | -0.012 |
| 10 | 31 | 12.645 | 12.569 | -0.076 |
| 10 | 32 | 12.445 | 12.422 | -0.023 |
| 10 | 33 | 12.654 | 12.626 | -0.028 |
| 10 | 34 | 12.196 | 12.223 | 0.027 |
| 15 | 35 | 12.331 | 12.323 | -0.008 |
| 15 | 36 | 12.347 | 12.323 | -0.024 |
| 15 | 37 | 12.724 | 12.665 | -0.059 |
| 15 | 38 | 12.855 | 12.831 | -0.024 |
| 15 | 39 | 12.407 | 12.406 | -0.001 |
| 30 | 40 | 12.644 | 12.588 | -0.056 |
| 30 | 41 | 12.353 | 12.388 | 0.035 |
| 30 | 42 | 12.458 | 12.462 | 0.004 |
| 30 | 43 | 12.632 | 12.615 | -0.017 |
| 30 | 44 | 12.192 | 12.246 | 0.054 |
| 35 | 45 | 12.547 | 12.508 | -0.039 |
| 35 | 46 | 12.543 | 12.664 | 0.121 |
| 35 | 47 | 12.404 | 12.389 | -0.015 |
| 35 | 48 | 12.529 | 12.530 | 0.001 |
| 35 | 49 | 12.496 | 12.565 | 0.069 |
| 50 | 50 | 12.762 | 12.634 | -0.128 |
| 50 | 51 | 12.497 | 12.477 | -0.020 |
| 50 | 52 | 12.598 | 12.504 | -0.094 |
| 50 | 53 | 12.820 | 12.768 | -0.052 |
| 50 | 54 | 12.273 | 12.223 | -0.050 |
| 55 | 55 | 12.194 | 12.306 | 0.112 |
| 55 | 56 | 12.596 | 12.462 | -0.134 |
| 55 | 57 | 12.696 | 12.749 | 0.053 |
| 55 | 58 | 12.312 | 12.332 | 0.020 |
| 55 | 59 | 12.670 | 12.621 | -0.049 |
| 100 | 60 | 12.438 | 12.244 | -0.194 |
| 100 | 61 | 12.268 | 12.279 | 0.011 |
| 100 | 62 | 12.776 | 12.858 | 0.082 |
| 100 | 63 | 12.326 | 12.304 | -0.022 |
| 100 | 64 | 12.282 | 12.290 | 0.008 |
| 105 | 65 | 12.501 | 12.528 | 0.027 |
| 105 | 66 | 12.803 | 12.778 | -0.025 |
| 105 | 67 | 12.448 | 12.616 | 0.168 |
| 105 | 68 | 12.497 | 12.546 | 0.049 |
| 105 | 69 | 12.627 | 12.770 | 0.143 |
| | Max | 12.855 | 12.858 | 0.168 |
| | Average | 12.498 | 12.495 | -0.003 |
| | Min | 12.192 | 12.223 | -0.194 |
| | Std Dev | 0.170 | 0.169 | 0.063 |




| | 5.127_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.378 | 12.249 | 12.389 | 12.223 | 12.323 | 12.246 | 12.389 | 12.223 | 12.306 | 12.244 | 12.528 |
| Average | 12.434 | 12.478 | 12.476 | 12.469 | 12.510 | 12.460 | 12.531 | 12.521 | 12.494 | 12.395 | 12.648 |
| Max | 12.478 | 12.668 | 12.683 | 12.626 | 12.831 | 12.615 | 12.664 | 12.768 | 12.749 | 12.858 | 12.778 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

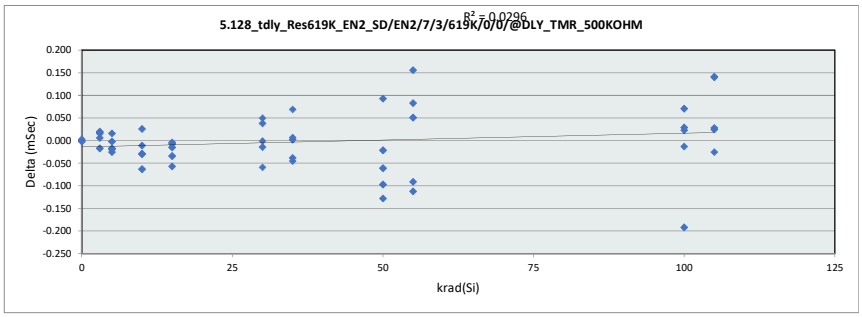


# TID HDR Report
# TPS7H3014-SP

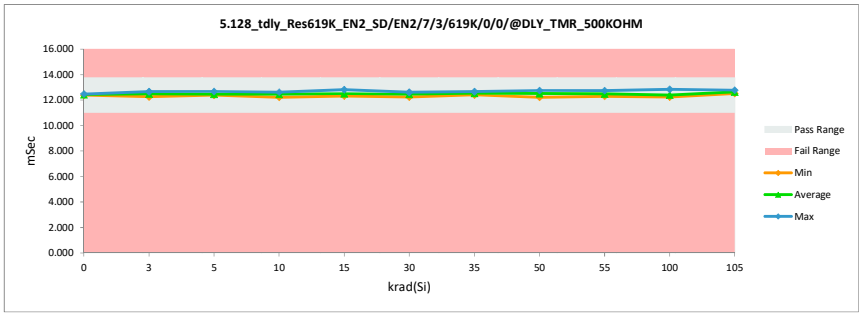
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.128_tdly_Res619K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.444 | 12.447 | 0.003 |
| 0 | 14 | 12.478 | 12.478 | 0.000 |
| 0 | 15 | 12.379 | 12.377 | -0.002 |
| 3 | 20 | 12.562 | 12.580 | 0.018 |
| 3 | 21 | 12.647 | 12.667 | 0.020 |
| 3 | 22 | 12.586 | 12.602 | 0.016 |
| 3 | 23 | 12.283 | 12.266 | -0.017 |
| 3 | 24 | 12.287 | 12.293 | 0.006 |
| 5 | 25 | 12.465 | 12.481 | 0.016 |
| 5 | 26 | 12.684 | 12.682 | -0.002 |
| 5 | 27 | 12.405 | 12.386 | -0.019 |
| 5 | 28 | 12.419 | 12.394 | -0.025 |
| 5 | 29 | 12.433 | 12.416 | -0.017 |
| 10 | 30 | 12.519 | 12.508 | -0.011 |
| 10 | 31 | 12.647 | 12.584 | -0.063 |
| 10 | 32 | 12.443 | 12.413 | -0.030 |
| 10 | 33 | 12.654 | 12.625 | -0.029 |
| 10 | 34 | 12.196 | 12.222 | 0.026 |
| 15 | 35 | 12.331 | 12.324 | -0.007 |
| 15 | 36 | 12.346 | 12.331 | -0.015 |
| 15 | 37 | 12.723 | 12.666 | -0.057 |
| 15 | 38 | 12.854 | 12.820 | -0.034 |
| 15 | 39 | 12.407 | 12.403 | -0.004 |
| 30 | 40 | 12.644 | 12.585 | -0.059 |
| 30 | 41 | 12.352 | 12.390 | 0.038 |
| 30 | 42 | 12.460 | 12.459 | -0.001 |
| 30 | 43 | 12.629 | 12.615 | -0.014 |
| 30 | 44 | 12.193 | 12.243 | 0.050 |
| 35 | 45 | 12.548 | 12.510 | -0.038 |
| 35 | 46 | 12.709 | 12.664 | -0.045 |
| 35 | 47 | 12.407 | 12.409 | 0.002 |
| 35 | 48 | 12.530 | 12.537 | 0.007 |
| 35 | 49 | 12.495 | 12.564 | 0.069 |
| 50 | 50 | 12.764 | 12.636 | -0.128 |
| 50 | 51 | 12.498 | 12.477 | -0.021 |
| 50 | 52 | 12.599 | 12.502 | -0.097 |
| 50 | 53 | 12.820 | 12.759 | -0.061 |
| 50 | 54 | 12.128 | 12.221 | 0.093 |
| 55 | 55 | 12.223 | 12.306 | 0.083 |
| 55 | 56 | 12.591 | 12.479 | -0.112 |
| 55 | 57 | 12.697 | 12.748 | 0.051 |
| 55 | 58 | 12.171 | 12.327 | 0.156 |
| 55 | 59 | 12.711 | 12.620 | -0.091 |
| 100 | 60 | 12.437 | 12.245 | -0.192 |
| 100 | 61 | 12.262 | 12.291 | 0.029 |
| 100 | 62 | 12.778 | 12.849 | 0.071 |
| 100 | 63 | 12.327 | 12.314 | -0.013 |
| 100 | 64 | 12.281 | 12.304 | 0.023 |
| 105 | 65 | 12.384 | 12.526 | 0.142 |
| 105 | 66 | 12.804 | 12.779 | -0.025 |
| 105 | 67 | 12.589 | 12.617 | 0.028 |
| 105 | 68 | 12.510 | 12.535 | 0.025 |
| 105 | 69 | 12.625 | 12.765 | 0.140 |
| | Max | 12.854 | 12.849 | 0.156 |
| | Average | 12.497 | 12.495 | -0.002 |
| | Min | 12.128 | 12.221 | -0.192 |
| | Std Dev | 0.182 | 0.167 | 0.063 |




| | 5.128_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.377 | 12.266 | 12.386 | 12.222 | 12.324 | 12.243 | 12.409 | 12.221 | 12.306 | 12.245 | 12.526 |
| Average | 12.434 | 12.482 | 12.472 | 12.470 | 12.509 | 12.458 | 12.537 | 12.519 | 12.496 | 12.401 | 12.644 |
| Max | 12.478 | 12.667 | 12.682 | 12.625 | 12.820 | 12.615 | 12.664 | 12.759 | 12.748 | 12.849 | 12.779 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

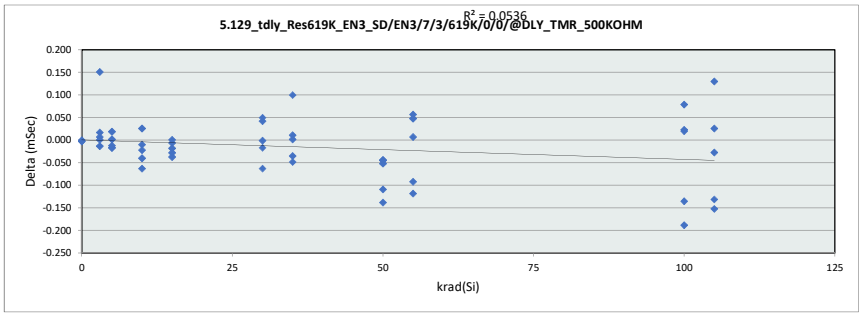


# TID HDR Report
# TPS7H3014-SP

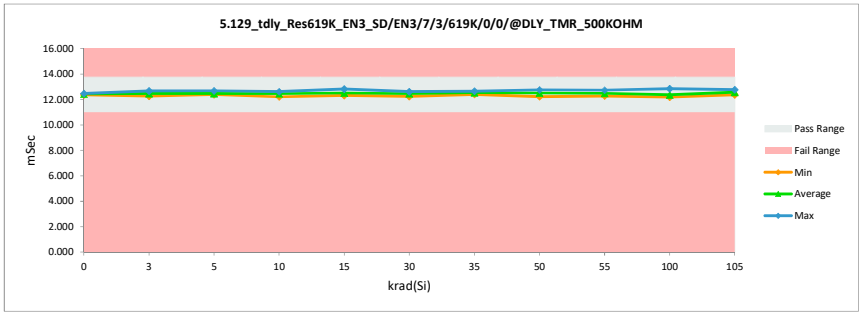
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.129_tdly_Res619K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.441 | 12.441 | 0.000 |
| 0 | 14 | 12.474 | 12.471 | -0.003 |
| 0 | 15 | 12.374 | 12.372 | -0.002 |
| 3 | 20 | 12.557 | 12.574 | 0.017 |
| 3 | 21 | 12.660 | 12.661 | 0.001 |
| 3 | 22 | 12.443 | 12.594 | 0.151 |
| 3 | 23 | 12.271 | 12.258 | -0.013 |
| 3 | 24 | 12.280 | 12.287 | 0.007 |
| 5 | 25 | 12.458 | 12.477 | 0.019 |
| 5 | 26 | 12.675 | 12.677 | 0.002 |
| 5 | 27 | 12.400 | 12.383 | -0.017 |
| 5 | 28 | 12.413 | 12.401 | -0.012 |
| 5 | 29 | 12.428 | 12.411 | -0.017 |
| 10 | 30 | 12.511 | 12.501 | -0.010 |
| 10 | 31 | 12.641 | 12.578 | -0.063 |
| 10 | 32 | 12.438 | 12.398 | -0.040 |
| 10 | 33 | 12.640 | 12.618 | -0.022 |
| 10 | 34 | 12.190 | 12.216 | 0.026 |
| 15 | 35 | 12.325 | 12.319 | -0.006 |
| 15 | 36 | 12.341 | 12.323 | -0.018 |
| 15 | 37 | 12.698 | 12.661 | -0.037 |
| 15 | 38 | 12.850 | 12.822 | -0.028 |
| 15 | 39 | 12.399 | 12.400 | 0.001 |
| 30 | 40 | 12.638 | 12.575 | -0.063 |
| 30 | 41 | 12.342 | 12.384 | 0.042 |
| 30 | 42 | 12.455 | 12.454 | -0.001 |
| 30 | 43 | 12.626 | 12.609 | -0.017 |
| 30 | 44 | 12.187 | 12.237 | 0.050 |
| 35 | 45 | 12.536 | 12.501 | -0.035 |
| 35 | 46 | 12.706 | 12.658 | -0.048 |
| 35 | 47 | 12.399 | 12.401 | 0.002 |
| 35 | 48 | 12.524 | 12.535 | 0.011 |
| 35 | 49 | 12.456 | 12.556 | 0.100 |
| 50 | 50 | 12.758 | 12.620 | -0.138 |
| 50 | 51 | 12.492 | 12.448 | -0.044 |
| 50 | 52 | 12.593 | 12.484 | -0.109 |
| 50 | 53 | 12.813 | 12.761 | -0.052 |
| 50 | 54 | 12.268 | 12.224 | -0.044 |
| 55 | 55 | 12.218 | 12.275 | 0.057 |
| 55 | 56 | 12.590 | 12.472 | -0.118 |
| 55 | 57 | 12.690 | 12.738 | 0.048 |
| 55 | 58 | 12.304 | 12.311 | 0.007 |
| 55 | 59 | 12.705 | 12.613 | -0.092 |
| 100 | 60 | 12.428 | 12.240 | -0.188 |
| 100 | 61 | 12.260 | 12.283 | 0.023 |
| 100 | 62 | 12.772 | 12.851 | 0.079 |
| 100 | 63 | 12.320 | 12.185 | -0.135 |
| 100 | 64 | 12.278 | 12.298 | 0.020 |
| 105 | 65 | 12.521 | 12.369 | -0.152 |
| 105 | 66 | 12.799 | 12.772 | -0.027 |
| 105 | 67 | 12.584 | 12.610 | 0.026 |
| 105 | 68 | 12.504 | 12.373 | -0.131 |
| 105 | 69 | 12.619 | 12.749 | 0.130 |
| | Max | 12.850 | 12.851 | 0.151 |
| | Average | 12.496 | 12.480 | -0.016 |
| | Min | 12.187 | 12.185 | -0.188 |
| | Std Dev | 0.173 | 0.172 | 0.066 |




| | 5.129_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.372 | 12.258 | 12.383 | 12.216 | 12.319 | 12.237 | 12.401 | 12.224 | 12.275 | 12.185 | 12.369 |
| Average | 12.428 | 12.475 | 12.470 | 12.462 | 12.505 | 12.452 | 12.530 | 12.507 | 12.482 | 12.371 | 12.575 |
| Max | 12.471 | 12.661 | 12.677 | 12.618 | 12.822 | 12.609 | 12.658 | 12.761 | 12.738 | 12.851 | 12.772 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

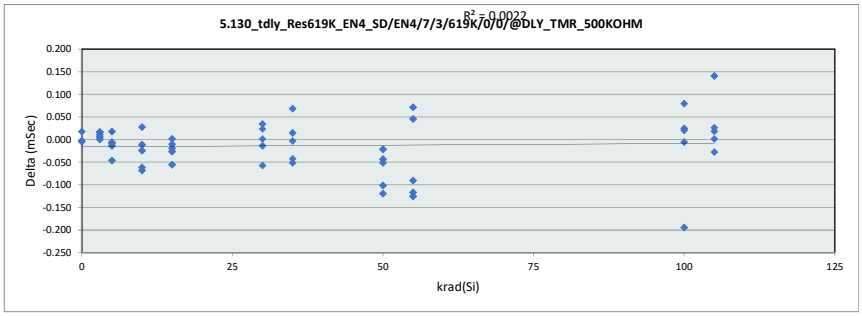


# TID HDR Report
# TPS7H3014-SP

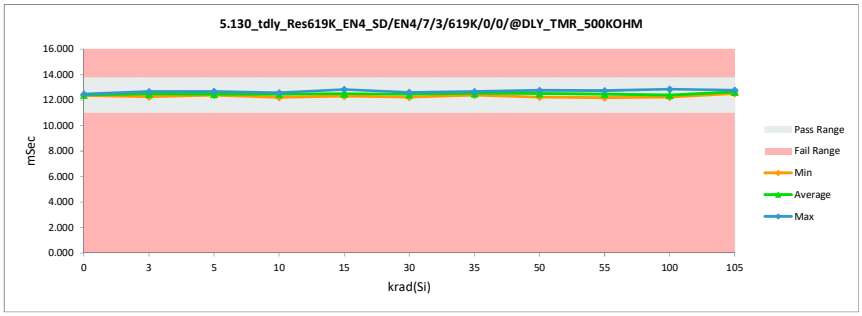
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.130_tdly_Res619K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.449 | 12.445 | -0.004 |
| 0 | 14 | 12.478 | 12.476 | -0.002 |
| 0 | 15 | 12.361 | 12.379 | 0.018 |
| 3 | 20 | 12.562 | 12.579 | 0.017 |
| 3 | 21 | 12.665 | 12.666 | 0.001 |
| 3 | 22 | 12.584 | 12.601 | 0.017 |
| 3 | 23 | 12.255 | 12.266 | 0.011 |
| 3 | 24 | 12.288 | 12.294 | 0.006 |
| 5 | 25 | 12.466 | 12.484 | 0.018 |
| 5 | 26 | 12.686 | 12.681 | -0.005 |
| 5 | 27 | 12.403 | 12.390 | -0.013 |
| 5 | 28 | 12.419 | 12.411 | -0.008 |
| 5 | 29 | 12.434 | 12.388 | -0.046 |
| 10 | 30 | 12.519 | 12.508 | -0.011 |
| 10 | 31 | 12.647 | 12.586 | -0.061 |
| 10 | 32 | 12.445 | 12.421 | -0.024 |
| 10 | 33 | 12.653 | 12.585 | -0.068 |
| 10 | 34 | 12.196 | 12.224 | 0.028 |
| 15 | 35 | 12.333 | 12.323 | -0.010 |
| 15 | 36 | 12.345 | 12.326 | -0.019 |
| 15 | 37 | 12.721 | 12.666 | -0.055 |
| 15 | 38 | 12.856 | 12.830 | -0.026 |
| 15 | 39 | 12.403 | 12.405 | 0.002 |
| 30 | 40 | 12.643 | 12.586 | -0.057 |
| 30 | 41 | 12.352 | 12.376 | 0.024 |
| 30 | 42 | 12.459 | 12.461 | 0.002 |
| 30 | 43 | 12.627 | 12.614 | -0.013 |
| 30 | 44 | 12.193 | 12.228 | 0.035 |
| 35 | 45 | 12.547 | 12.505 | -0.042 |
| 35 | 46 | 12.715 | 12.664 | -0.051 |
| 35 | 47 | 12.404 | 12.401 | -0.003 |
| 35 | 48 | 12.527 | 12.542 | 0.015 |
| 35 | 49 | 12.494 | 12.563 | 0.069 |
| 50 | 50 | 12.762 | 12.643 | -0.119 |
| 50 | 51 | 12.497 | 12.476 | -0.021 |
| 50 | 52 | 12.598 | 12.497 | -0.101 |
| 50 | 53 | 12.819 | 12.768 | -0.051 |
| 50 | 54 | 12.275 | 12.232 | -0.043 |
| 55 | 55 | 12.222 | 12.294 | 0.072 |
| 55 | 56 | 12.595 | 12.479 | -0.116 |
| 55 | 57 | 12.699 | 12.745 | 0.046 |
| 55 | 58 | 12.313 | 12.188 | -0.125 |
| 55 | 59 | 12.709 | 12.619 | -0.090 |
| 100 | 60 | 12.437 | 12.243 | -0.194 |
| 100 | 61 | 12.266 | 12.291 | 0.025 |
| 100 | 62 | 12.776 | 12.856 | 0.080 |
| 100 | 63 | 12.327 | 12.322 | -0.005 |
| 100 | 64 | 12.282 | 12.303 | 0.021 |
| 105 | 65 | 12.524 | 12.526 | 0.002 |
| 105 | 66 | 12.806 | 12.779 | -0.027 |
| 105 | 67 | 12.588 | 12.615 | 0.027 |
| 105 | 68 | 12.510 | 12.529 | 0.019 |
| 105 | 69 | 12.623 | 12.764 | 0.141 |
| | Max | 12.856 | 12.856 | 0.141 |
| | Average | 12.505 | 12.491 | -0.013 |
| | Min | 12.193 | 12.188 | -0.194 |
| | Std Dev | 0.174 | 0.171 | 0.056 |




| | 5.130_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.379 | 12.266 | 12.388 | 12.224 | 12.323 | 12.228 | 12.401 | 12.232 | 12.188 | 12.243 | 12.526 |
| Average | 12.433 | 12.481 | 12.471 | 12.465 | 12.510 | 12.453 | 12.535 | 12.523 | 12.465 | 12.403 | 12.643 |
| Max | 12.476 | 12.666 | 12.681 | 12.586 | 12.830 | 12.614 | 12.664 | 12.768 | 12.745 | 12.856 | 12.779 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

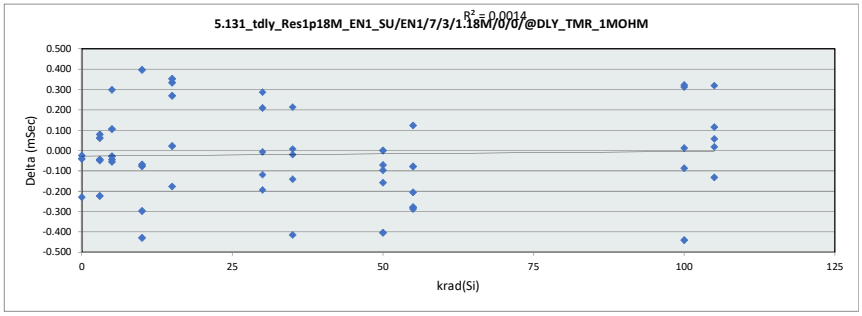


# TID HDR Report
# TPS7H3014-SP

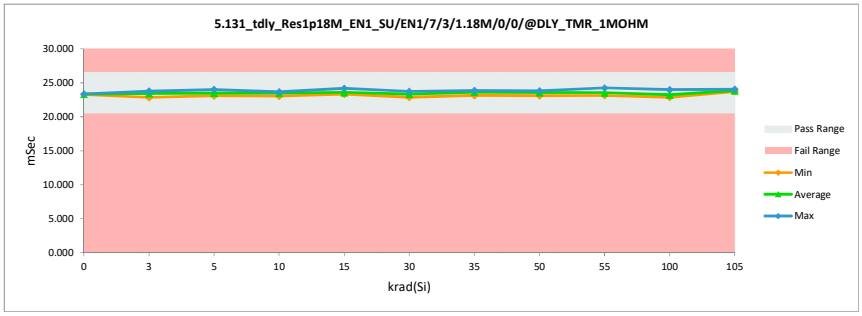
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.131_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.305 | 23.265 | -0.040 |
| 0 | 14 | 23.551 | 23.323 | -0.228 |
| 0 | 15 | 23.392 | 23.368 | -0.024 |
| 3 | 20 | 23.552 | 23.632 | 0.080 |
| 3 | 21 | 23.987 | 23.765 | -0.222 |
| 3 | 22 | 23.520 | 23.582 | 0.062 |
| 3 | 23 | 22.891 | 22.848 | -0.043 |
| 3 | 24 | 23.366 | 23.318 | -0.048 |
| 5 | 25 | 23.525 | 23.631 | 0.106 |
| 5 | 26 | 24.043 | 24.016 | -0.027 |
| 5 | 27 | 23.151 | 23.096 | -0.055 |
| 5 | 28 | 23.203 | 23.502 | 0.299 |
| 5 | 29 | 23.203 | 23.159 | -0.044 |
| 10 | 30 | 23.695 | 23.628 | -0.067 |
| 10 | 31 | 24.087 | 23.659 | -0.428 |
| 10 | 32 | 23.586 | 23.510 | -0.076 |
| 10 | 33 | 23.962 | 23.666 | -0.296 |
| 10 | 34 | 22.637 | 23.034 | 0.397 |
| 15 | 35 | 23.330 | 23.353 | 0.023 |
| 15 | 36 | 23.033 | 23.367 | 0.334 |
| 15 | 37 | 23.716 | 23.540 | -0.176 |
| 15 | 38 | 23.921 | 24.191 | 0.270 |
| 15 | 39 | 23.110 | 23.463 | 0.353 |
| 30 | 40 | 23.644 | 23.526 | -0.118 |
| 30 | 41 | 23.381 | 23.188 | -0.193 |
| 30 | 42 | 23.263 | 23.257 | -0.006 |
| 30 | 43 | 23.455 | 23.743 | 0.288 |
| 30 | 44 | 22.671 | 22.881 | 0.210 |
| 35 | 45 | 23.780 | 23.640 | -0.140 |
| 35 | 46 | 24.180 | 23.766 | -0.414 |
| 35 | 47 | 23.148 | 23.156 | 0.008 |
| 35 | 48 | 23.692 | 23.673 | -0.019 |
| 35 | 49 | 23.638 | 23.852 | 0.214 |
| 50 | 50 | 23.862 | 23.705 | -0.157 |
| 50 | 51 | 23.669 | 23.573 | -0.096 |
| 50 | 52 | 23.643 | 23.644 | 0.001 |
| 50 | 53 | 24.223 | 23.820 | -0.403 |
| 50 | 54 | 23.163 | 23.093 | -0.070 |
| 55 | 55 | 23.249 | 23.171 | -0.078 |
| 55 | 56 | 23.489 | 23.285 | -0.204 |
| 55 | 57 | 24.130 | 24.254 | 0.124 |
| 55 | 58 | 23.397 | 23.120 | -0.277 |
| 55 | 59 | 24.206 | 23.920 | -0.286 |
| 100 | 60 | 23.312 | 22.873 | -0.439 |
| 100 | 61 | 22.865 | 23.188 | 0.323 |
| 100 | 62 | 24.059 | 23.973 | -0.086 |
| 100 | 63 | 22.964 | 22.977 | 0.013 |
| 100 | 64 | 22.942 | 23.255 | 0.313 |
| 105 | 65 | 23.696 | 23.715 | 0.019 |
| 105 | 66 | 24.196 | 24.065 | -0.131 |
| 105 | 67 | 23.836 | 23.894 | 0.058 |
| 105 | 68 | 23.639 | 23.755 | 0.116 |
| 105 | 69 | 23.611 | 23.931 | 0.320 |
| | Max | 24.223 | 24.254 | 0.397 |
| | Average | 23.524 | 23.506 | -0.018 |
| | Min | 22.637 | 22.848 | -0.439 |
| | Std Dev | 0.405 | 0.345 | 0.213 |




| | 5.131_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.265 | 22.848 | 23.096 | 23.034 | 23.353 | 22.881 | 23.156 | 23.093 | 23.120 | 22.873 | 23.715 |
| Average | 23.319 | 23.429 | 23.481 | 23.499 | 23.583 | 23.319 | 23.617 | 23.567 | 23.550 | 23.253 | 23.872 |
| Max | 23.368 | 23.765 | 24.016 | 23.666 | 24.191 | 23.743 | 23.852 | 23.820 | 24.254 | 23.973 | 24.065 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

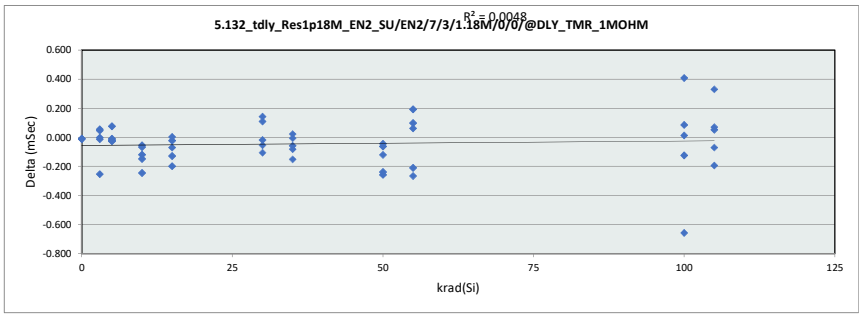


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

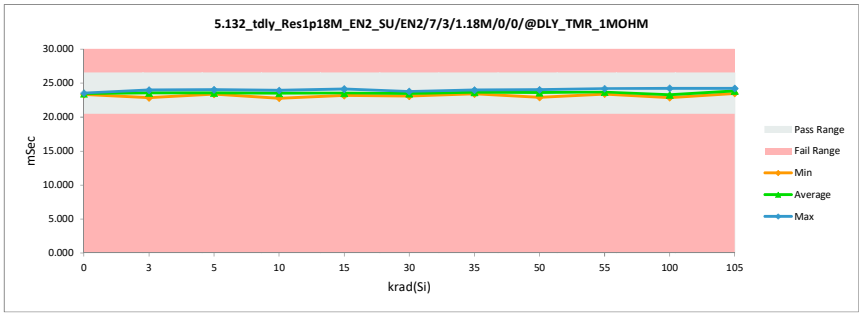
| | 5.132_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.512 | 23.501 | -0.011 |
| 0 | 14 | 23.552 | 23.545 | -0.007 |
| 0 | 15 | 23.334 | 23.325 | -0.009 |
| 3 | 20 | 23.811 | 23.868 | 0.057 |
| 3 | 21 | 23.987 | 23.986 | -0.001 |
| 3 | 22 | 23.790 | 23.838 | 0.048 |
| 3 | 23 | 23.100 | 22.848 | -0.252 |
| 3 | 24 | 23.297 | 23.285 | -0.012 |
| 5 | 25 | 23.536 | 23.613 | 0.077 |
| 5 | 26 | 24.039 | 24.022 | -0.017 |
| 5 | 27 | 23.402 | 23.380 | -0.022 |
| 5 | 28 | 23.436 | 23.427 | -0.009 |
| 5 | 29 | 23.437 | 23.411 | -0.026 |
| 10 | 30 | 23.672 | 23.428 | -0.244 |
| 10 | 31 | 24.045 | 23.926 | -0.119 |
| 10 | 32 | 23.577 | 23.524 | -0.053 |
| 10 | 33 | 23.980 | 23.914 | -0.066 |
| 10 | 34 | 22.916 | 22.769 | -0.147 |
| 15 | 35 | 23.277 | 23.281 | 0.004 |
| 15 | 36 | 23.320 | 23.298 | -0.022 |
| 15 | 37 | 23.955 | 23.827 | -0.128 |
| 15 | 38 | 24.207 | 24.138 | -0.069 |
| 15 | 39 | 23.387 | 23.190 | -0.197 |
| 30 | 40 | 23.901 | 23.796 | -0.105 |
| 30 | 41 | 23.320 | 23.431 | 0.111 |
| 30 | 42 | 23.486 | 23.468 | -0.018 |
| 30 | 43 | 23.755 | 23.702 | -0.053 |
| 30 | 44 | 22.946 | 23.090 | 0.144 |
| 35 | 45 | 23.716 | 23.635 | -0.081 |
| 35 | 46 | 24.129 | 23.979 | -0.150 |
| 35 | 47 | 23.404 | 23.428 | 0.024 |
| 35 | 48 | 23.655 | 23.650 | -0.005 |
| 35 | 49 | 23.633 | 23.576 | -0.057 |
| 50 | 50 | 24.171 | 23.914 | -0.257 |
| 50 | 51 | 23.640 | 23.579 | -0.061 |
| 50 | 52 | 23.882 | 23.644 | -0.238 |
| 50 | 53 | 24.155 | 24.035 | -0.120 |
| 50 | 54 | 22.945 | 22.902 | -0.043 |
| 55 | 55 | 23.225 | 23.419 | 0.194 |
| 55 | 56 | 23.774 | 23.509 | -0.265 |
| 55 | 57 | 24.098 | 24.197 | 0.099 |
| 55 | 58 | 23.335 | 23.397 | 0.062 |
| 55 | 59 | 24.148 | 23.939 | -0.209 |
| 100 | 60 | 23.545 | 22.889 | -0.656 |
| 100 | 61 | 23.088 | 22.965 | -0.123 |
| 100 | 62 | 23.837 | 24.246 | 0.409 |
| 100 | 63 | 23.170 | 23.184 | 0.014 |
| 100 | 64 | 23.142 | 23.228 | 0.086 |
| 105 | 65 | 23.672 | 23.479 | -0.193 |
| 105 | 66 | 24.132 | 24.063 | -0.069 |
| 105 | 67 | 23.773 | 23.826 | 0.053 |
| 105 | 68 | 23.627 | 23.698 | 0.071 |
| 105 | 69 | 23.890 | 24.221 | 0.331 |
| | Max | 24.207 | 24.246 | 0.409 |
| | Average | 23.618 | 23.574 | -0.044 |
| | Min | 22.916 | 22.769 | -0.656 |
| | Std Dev | 0.353 | 0.369 | 0.158 |




| | 5.132_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.325 | 22.848 | 23.380 | 22.769 | 23.190 | 23.090 | 23.428 | 22.902 | 23.397 | 22.889 | 23.479 |
| Average | 23.457 | 23.565 | 23.571 | 23.512 | 23.547 | 23.497 | 23.654 | 23.615 | 23.692 | 23.302 | 23.857 |
| Max | 23.545 | 23.986 | 24.022 | 23.926 | 24.138 | 23.796 | 23.979 | 24.035 | 24.197 | 24.246 | 24.221 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

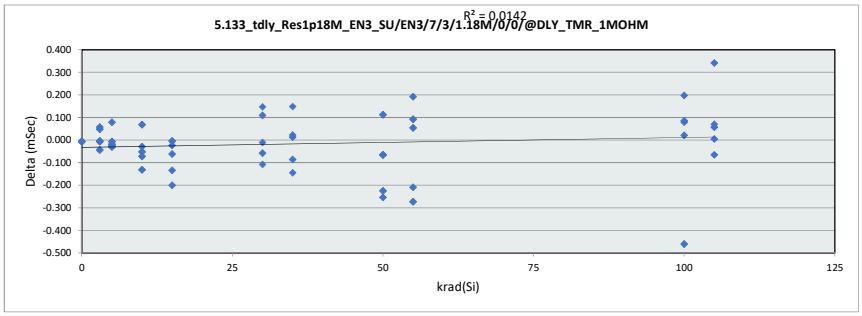


# TID HDR Report
# TPS7H3014-SP

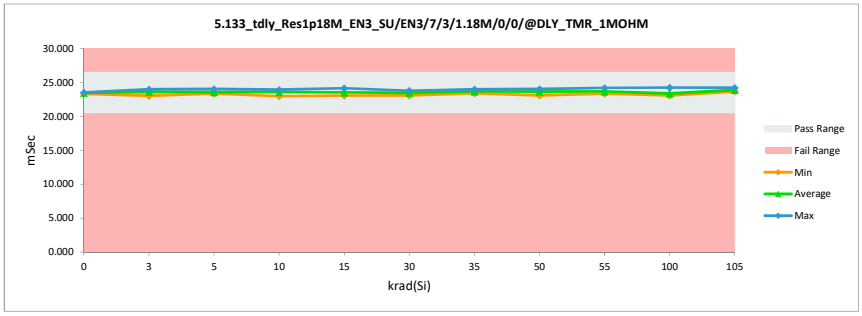
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.133_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.511 | 23.504 | -0.007 |
| 0 | 14 | 23.555 | 23.551 | -0.004 |
| 0 | 15 | 23.336 | 23.330 | -0.006 |
| 3 | 20 | 23.812 | 23.871 | 0.059 |
| 3 | 21 | 23.989 | 23.986 | -0.003 |
| 3 | 22 | 23.793 | 23.842 | 0.049 |
| 3 | 23 | 23.104 | 23.061 | -0.043 |
| 3 | 24 | 23.300 | 23.294 | -0.006 |
| 5 | 25 | 23.536 | 23.616 | 0.080 |
| 5 | 26 | 24.042 | 24.025 | -0.017 |
| 5 | 27 | 23.407 | 23.385 | -0.022 |
| 5 | 28 | 23.437 | 23.431 | -0.006 |
| 5 | 29 | 23.441 | 23.411 | -0.030 |
| 10 | 30 | 23.659 | 23.631 | -0.028 |
| 10 | 31 | 24.059 | 23.928 | -0.131 |
| 10 | 32 | 23.578 | 23.527 | -0.051 |
| 10 | 33 | 23.982 | 23.911 | -0.071 |
| 10 | 34 | 22.911 | 22.980 | 0.069 |
| 15 | 35 | 23.278 | 23.079 | -0.199 |
| 15 | 36 | 23.321 | 23.299 | -0.022 |
| 15 | 37 | 23.962 | 23.829 | -0.133 |
| 15 | 38 | 24.207 | 24.146 | -0.061 |
| 15 | 39 | 23.402 | 23.399 | -0.003 |
| 30 | 40 | 23.904 | 23.797 | -0.107 |
| 30 | 41 | 23.324 | 23.434 | 0.110 |
| 30 | 42 | 23.489 | 23.479 | -0.010 |
| 30 | 43 | 23.758 | 23.701 | -0.057 |
| 30 | 44 | 22.946 | 23.094 | 0.148 |
| 35 | 45 | 23.723 | 23.638 | -0.085 |
| 35 | 46 | 24.130 | 23.986 | -0.144 |
| 35 | 47 | 23.408 | 23.431 | 0.023 |
| 35 | 48 | 23.639 | 23.653 | 0.014 |
| 35 | 49 | 23.632 | 23.781 | 0.149 |
| 50 | 50 | 24.173 | 23.920 | -0.253 |
| 50 | 51 | 23.643 | 23.578 | -0.065 |
| 50 | 52 | 23.885 | 23.661 | -0.224 |
| 50 | 53 | 23.926 | 24.039 | 0.113 |
| 50 | 54 | 23.172 | 23.108 | -0.064 |
| 55 | 55 | 23.230 | 23.423 | 0.193 |
| 55 | 56 | 23.779 | 23.507 | -0.272 |
| 55 | 57 | 24.104 | 24.197 | 0.093 |
| 55 | 58 | 23.339 | 23.394 | 0.055 |
| 55 | 59 | 24.149 | 23.941 | -0.208 |
| 100 | 60 | 23.546 | 23.087 | -0.459 |
| 100 | 61 | 23.092 | 23.173 | 0.081 |
| 100 | 62 | 24.052 | 24.251 | 0.199 |
| 100 | 63 | 23.167 | 23.189 | 0.022 |
| 100 | 64 | 23.143 | 23.230 | 0.087 |
| 105 | 65 | 23.674 | 23.680 | 0.006 |
| 105 | 66 | 24.135 | 24.071 | -0.064 |
| 105 | 67 | 23.773 | 23.831 | 0.058 |
| 105 | 68 | 23.630 | 23.701 | 0.071 |
| 105 | 69 | 23.887 | 24.229 | 0.342 |
| | Max | 24.207 | 24.251 | 0.342 |
| | Average | 23.624 | 23.608 | -0.016 |
| | Min | 22.911 | 22.980 | -0.459 |
| | Std Dev | 0.345 | 0.337 | 0.131 |




| | 5.133_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.330 | 23.061 | 23.385 | 22.980 | 23.079 | 23.094 | 23.431 | 23.108 | 23.394 | 23.087 | 23.680 |
| Average | 23.462 | 23.611 | 23.574 | 23.595 | 23.550 | 23.501 | 23.698 | 23.661 | 23.692 | 23.386 | 23.902 |
| Max | 23.551 | 23.986 | 24.025 | 23.928 | 24.146 | 23.797 | 23.986 | 24.039 | 24.197 | 24.251 | 24.229 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

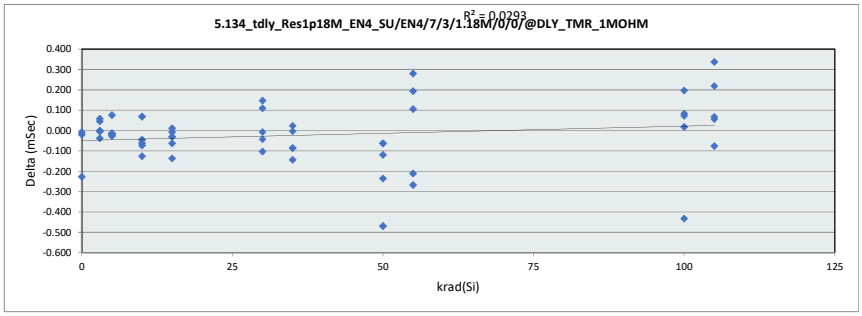


# TID HDR Report
# TPS7H3014-SP

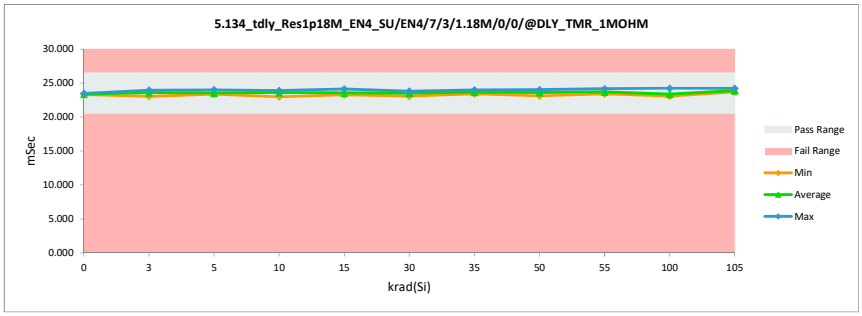
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.134_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.514 | 23.507 | -0.007 |
| 0 | 14 | 23.557 | 23.330 | -0.227 |
| 0 | 15 | 23.337 | 23.318 | -0.019 |
| 3 | 20 | 23.813 | 23.871 | 0.058 |
| 3 | 21 | 23.989 | 23.985 | -0.004 |
| 3 | 22 | 23.796 | 23.842 | 0.046 |
| 3 | 23 | 23.105 | 23.068 | -0.037 |
| 3 | 24 | 23.300 | 23.299 | -0.001 |
| 5 | 25 | 23.540 | 23.616 | 0.076 |
| 5 | 26 | 24.042 | 24.027 | -0.015 |
| 5 | 27 | 23.408 | 23.387 | -0.021 |
| 5 | 28 | 23.439 | 23.426 | -0.013 |
| 5 | 29 | 23.441 | 23.415 | -0.026 |
| 10 | 30 | 23.677 | 23.632 | -0.045 |
| 10 | 31 | 24.059 | 23.933 | -0.126 |
| 10 | 32 | 23.580 | 23.519 | -0.061 |
| 10 | 33 | 23.979 | 23.906 | -0.073 |
| 10 | 34 | 22.918 | 22.987 | 0.069 |
| 15 | 35 | 23.278 | 23.290 | 0.012 |
| 15 | 36 | 23.324 | 23.294 | -0.030 |
| 15 | 37 | 23.965 | 23.829 | -0.136 |
| 15 | 38 | 24.209 | 24.146 | -0.063 |
| 15 | 39 | 23.404 | 23.397 | -0.007 |
| 30 | 40 | 23.904 | 23.801 | -0.103 |
| 30 | 41 | 23.323 | 23.433 | 0.110 |
| 30 | 42 | 23.488 | 23.481 | -0.007 |
| 30 | 43 | 23.747 | 23.705 | -0.042 |
| 30 | 44 | 22.947 | 23.094 | 0.147 |
| 35 | 45 | 23.724 | 23.638 | -0.086 |
| 35 | 46 | 24.132 | 23.988 | -0.144 |
| 35 | 47 | 23.407 | 23.431 | 0.024 |
| 35 | 48 | 23.657 | 23.654 | -0.003 |
| 35 | 49 | 23.636 | 23.550 | -0.086 |
| 50 | 50 | 24.176 | 23.707 | -0.469 |
| 50 | 51 | 23.644 | 23.581 | -0.063 |
| 50 | 52 | 23.886 | 23.651 | -0.235 |
| 50 | 53 | 24.160 | 24.041 | -0.119 |
| 50 | 54 | 23.175 | 23.112 | -0.063 |
| 55 | 55 | 23.227 | 23.421 | 0.194 |
| 55 | 56 | 23.779 | 23.512 | -0.267 |
| 55 | 57 | 24.094 | 24.200 | 0.106 |
| 55 | 58 | 23.119 | 23.400 | 0.281 |
| 55 | 59 | 24.152 | 23.941 | -0.211 |
| 100 | 60 | 23.531 | 23.099 | -0.432 |
| 100 | 61 | 23.092 | 23.165 | 0.073 |
| 100 | 62 | 24.054 | 24.251 | 0.197 |
| 100 | 63 | 23.172 | 23.190 | 0.018 |
| 100 | 64 | 23.147 | 23.231 | 0.084 |
| 105 | 65 | 23.466 | 23.685 | 0.219 |
| 105 | 66 | 24.148 | 24.072 | -0.076 |
| 105 | 67 | 23.776 | 23.833 | 0.057 |
| 105 | 68 | 23.630 | 23.698 | 0.068 |
| 105 | 69 | 23.892 | 24.230 | 0.338 |
| | Max | 24.209 | 24.251 | 0.338 |
| | Average | 23.622 | 23.600 | -0.022 |
| | Min | 22.918 | 22.987 | -0.469 |
| | Std Dev | 0.356 | 0.330 | 0.148 |




| | 5.134_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.318 | 23.068 | 23.387 | 22.987 | 23.290 | 23.094 | 23.431 | 23.112 | 23.400 | 23.099 | 23.685 |
| Average | 23.385 | 23.613 | 23.574 | 23.595 | 23.591 | 23.503 | 23.652 | 23.618 | 23.695 | 23.387 | 23.904 |
| Max | 23.507 | 23.985 | 24.027 | 23.933 | 24.146 | 23.801 | 23.988 | 24.041 | 24.200 | 24.251 | 24.230 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

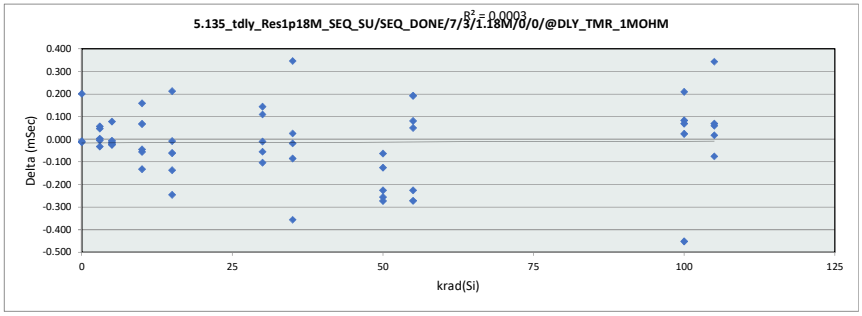


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

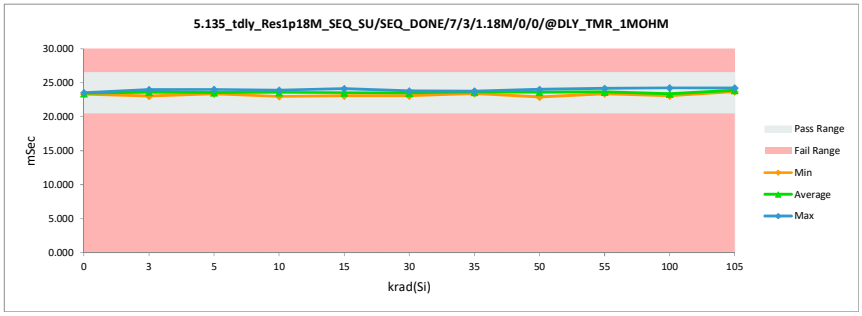
| | 5.135_tdly_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.302 | 23.504 | 0.202 |
| 0 | 14 | 23.557 | 23.549 | -0.008 |
| 0 | 15 | 23.340 | 23.328 | -0.012 |
| 3 | 20 | 23.815 | 23.873 | 0.058 |
| 3 | 21 | 23.988 | 23.991 | 0.003 |
| 3 | 22 | 23.797 | 23.845 | 0.048 |
| 3 | 23 | 23.102 | 23.071 | -0.031 |
| 3 | 24 | 23.301 | 23.297 | -0.004 |
| 5 | 25 | 23.539 | 23.618 | 0.079 |
| 5 | 26 | 24.044 | 24.030 | -0.014 |
| 5 | 27 | 23.408 | 23.388 | -0.020 |
| 5 | 28 | 23.440 | 23.434 | -0.006 |
| 5 | 29 | 23.443 | 23.419 | -0.024 |
| 10 | 30 | 23.676 | 23.621 | -0.055 |
| 10 | 31 | 24.061 | 23.930 | -0.131 |
| 10 | 32 | 23.559 | 23.515 | -0.044 |
| 10 | 33 | 23.757 | 23.917 | 0.160 |
| 10 | 34 | 22.921 | 22.990 | 0.069 |
| 15 | 35 | 23.074 | 23.288 | 0.214 |
| 15 | 36 | 23.325 | 23.080 | -0.245 |
| 15 | 37 | 23.966 | 23.830 | -0.136 |
| 15 | 38 | 24.209 | 24.149 | -0.060 |
| 15 | 39 | 23.406 | 23.399 | -0.007 |
| 30 | 40 | 23.903 | 23.800 | -0.103 |
| 30 | 41 | 23.323 | 23.434 | 0.111 |
| 30 | 42 | 23.490 | 23.481 | -0.009 |
| 30 | 43 | 23.761 | 23.707 | -0.054 |
| 30 | 44 | 22.948 | 23.093 | 0.145 |
| 35 | 45 | 23.722 | 23.638 | -0.084 |
| 35 | 46 | 24.134 | 23.779 | -0.355 |
| 35 | 47 | 23.407 | 23.434 | 0.027 |
| 35 | 48 | 23.659 | 23.642 | -0.017 |
| 35 | 49 | 23.422 | 23.769 | 0.347 |
| 50 | 50 | 24.173 | 23.918 | -0.255 |
| 50 | 51 | 23.646 | 23.584 | -0.062 |
| 50 | 52 | 23.885 | 23.660 | -0.225 |
| 50 | 53 | 24.159 | 24.034 | -0.125 |
| 50 | 54 | 23.175 | 22.903 | -0.272 |
| 55 | 55 | 23.232 | 23.425 | 0.193 |
| 55 | 56 | 23.779 | 23.508 | -0.271 |
| 55 | 57 | 24.103 | 24.185 | 0.082 |
| 55 | 58 | 23.342 | 23.393 | 0.051 |
| 55 | 59 | 24.154 | 23.929 | -0.225 |
| 100 | 60 | 23.549 | 23.098 | -0.451 |
| 100 | 61 | 23.093 | 23.163 | 0.070 |
| 100 | 62 | 24.042 | 24.253 | 0.211 |
| 100 | 63 | 23.165 | 23.190 | 0.025 |
| 100 | 64 | 23.149 | 23.233 | 0.084 |
| 105 | 65 | 23.675 | 23.694 | 0.019 |
| 105 | 66 | 24.139 | 24.064 | -0.075 |
| 105 | 67 | 23.774 | 23.835 | 0.061 |
| 105 | 68 | 23.631 | 23.701 | 0.070 |
| 105 | 69 | 23.885 | 24.229 | 0.344 |
| | Max | 24.209 | 24.253 | 0.347 |
| | Average | 23.614 | 23.601 | -0.013 |
| | Min | 22.921 | 22.903 | -0.451 |
| | Std Dev | 0.355 | 0.340 | 0.158 |




| | 5.135_tdly_Res1p18M_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.328 | 23.071 | 23.388 | 22.990 | 23.080 | 23.093 | 23.434 | 22.903 | 23.393 | 23.098 | 23.694 |
| Average | 23.460 | 23.615 | 23.578 | 23.595 | 23.549 | 23.503 | 23.652 | 23.620 | 23.688 | 23.387 | 23.905 |
| Max | 23.549 | 23.991 | 24.030 | 23.930 | 24.149 | 23.800 | 23.779 | 24.034 | 24.185 | 24.253 | 24.229 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

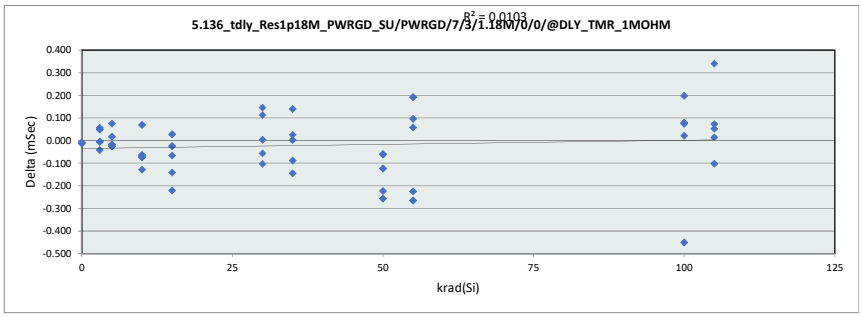


# TID HDR Report
# TPS7H3014-SP

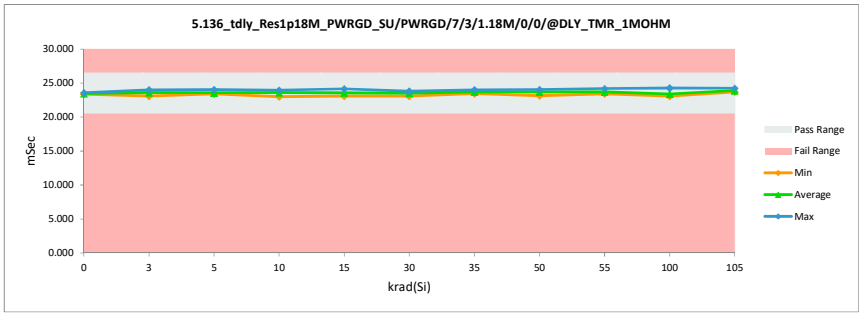
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.136_tdly_Res1p18M_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.537 | 23.530 | -0.007 |
| 0 | 14 | 23.581 | 23.574 | -0.007 |
| 0 | 15 | 23.363 | 23.351 | -0.012 |
| 3 | 20 | 23.839 | 23.896 | 0.057 |
| 3 | 21 | 24.012 | 24.008 | -0.004 |
| 3 | 22 | 23.816 | 23.866 | 0.050 |
| 3 | 23 | 23.127 | 23.086 | -0.041 |
| 3 | 24 | 23.324 | 23.320 | -0.004 |
| 5 | 25 | 23.563 | 23.639 | 0.076 |
| 5 | 26 | 24.064 | 24.048 | -0.016 |
| 5 | 27 | 23.430 | 23.412 | -0.018 |
| 5 | 28 | 23.438 | 23.456 | 0.018 |
| 5 | 29 | 23.464 | 23.439 | -0.025 |
| 10 | 30 | 23.700 | 23.632 | -0.068 |
| 10 | 31 | 24.085 | 23.957 | -0.128 |
| 10 | 32 | 23.604 | 23.531 | -0.073 |
| 10 | 33 | 24.006 | 23.943 | -0.063 |
| 10 | 34 | 22.943 | 23.013 | 0.070 |
| 15 | 35 | 23.302 | 23.082 | -0.220 |
| 15 | 36 | 23.346 | 23.323 | -0.023 |
| 15 | 37 | 23.989 | 23.849 | -0.140 |
| 15 | 38 | 24.233 | 24.168 | -0.065 |
| 15 | 39 | 23.397 | 23.426 | 0.029 |
| 30 | 40 | 23.927 | 23.825 | -0.102 |
| 30 | 41 | 23.344 | 23.458 | 0.114 |
| 30 | 42 | 23.497 | 23.502 | 0.005 |
| 30 | 43 | 23.784 | 23.728 | -0.056 |
| 30 | 44 | 22.970 | 23.117 | 0.147 |
| 35 | 45 | 23.746 | 23.659 | -0.087 |
| 35 | 46 | 24.154 | 24.010 | -0.144 |
| 35 | 47 | 23.430 | 23.457 | 0.027 |
| 35 | 48 | 23.673 | 23.676 | 0.003 |
| 35 | 49 | 23.660 | 23.801 | 0.141 |
| 50 | 50 | 24.199 | 23.943 | -0.256 |
| 50 | 51 | 23.668 | 23.608 | -0.060 |
| 50 | 52 | 23.908 | 23.686 | -0.222 |
| 50 | 53 | 24.181 | 24.058 | -0.123 |
| 50 | 54 | 23.196 | 23.137 | -0.059 |
| 55 | 55 | 23.253 | 23.446 | 0.193 |
| 55 | 56 | 23.802 | 23.538 | -0.264 |
| 55 | 57 | 24.126 | 24.223 | 0.097 |
| 55 | 58 | 23.363 | 23.422 | 0.059 |
| 55 | 59 | 24.174 | 23.950 | -0.224 |
| 100 | 60 | 23.569 | 23.120 | -0.449 |
| 100 | 61 | 23.112 | 23.187 | 0.075 |
| 100 | 62 | 24.075 | 24.274 | 0.199 |
| 100 | 63 | 23.189 | 23.211 | 0.022 |
| 100 | 64 | 23.169 | 23.249 | 0.080 |
| 105 | 65 | 23.697 | 23.712 | 0.015 |
| 105 | 66 | 24.166 | 24.065 | -0.101 |
| 105 | 67 | 23.794 | 23.847 | 0.053 |
| 105 | 68 | 23.651 | 23.725 | 0.074 |
| 105 | 69 | 23.911 | 24.252 | 0.341 |
| | Max | 24.233 | 24.274 | 0.341 |
| | Average | 23.652 | 23.631 | -0.021 |
| | Min | 22.943 | 23.013 | -0.449 |
| | Std Dev | 0.351 | 0.336 | 0.131 |




| | 5.136_tdly_Res1p18M_P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.351 | 23.086 | 23.412 | 23.013 | 23.082 | 23.117 | 23.457 | 23.137 | 23.422 | 23.120 | 23.712 |
| Average | 23.485 | 23.635 | 23.599 | 23.615 | 23.570 | 23.526 | 23.721 | 23.686 | 23.716 | 23.408 | 23.920 |
| Max | 23.574 | 24.008 | 24.048 | 23.957 | 24.168 | 23.825 | 24.010 | 24.058 | 24.223 | 24.274 | 24.252 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

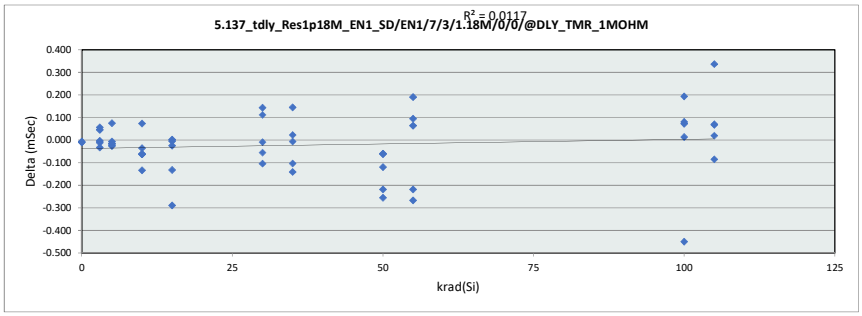


# TID HDR Report
# TPS7H3014-SP

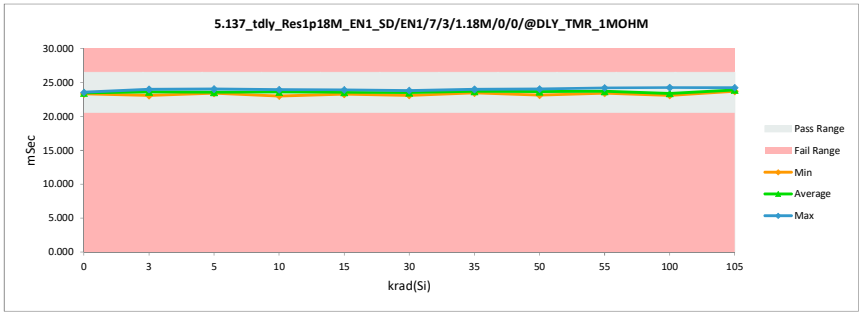
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.137_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.525 | 23.516 | -0.009 |
| 0 | 14 | 23.565 | 23.559 | -0.006 |
| 0 | 15 | 23.349 | 23.339 | -0.010 |
| 3 | 20 | 23.824 | 23.881 | 0.057 |
| 3 | 21 | 23.998 | 23.994 | -0.004 |
| 3 | 22 | 23.802 | 23.848 | 0.046 |
| 3 | 23 | 23.112 | 23.080 | -0.032 |
| 3 | 24 | 23.309 | 23.298 | -0.011 |
| 5 | 25 | 23.549 | 23.624 | 0.075 |
| 5 | 26 | 24.051 | 24.036 | -0.015 |
| 5 | 27 | 23.416 | 23.395 | -0.021 |
| 5 | 28 | 23.449 | 23.443 | -0.006 |
| 5 | 29 | 23.450 | 23.424 | -0.026 |
| 10 | 30 | 23.677 | 23.642 | -0.035 |
| 10 | 31 | 24.068 | 23.935 | -0.133 |
| 10 | 32 | 23.589 | 23.527 | -0.062 |
| 10 | 33 | 23.992 | 23.930 | -0.062 |
| 10 | 34 | 22.929 | 23.003 | 0.074 |
| 15 | 35 | 23.286 | 23.288 | 0.002 |
| 15 | 36 | 23.333 | 23.309 | -0.024 |
| 15 | 37 | 23.970 | 23.838 | -0.132 |
| 15 | 38 | 24.218 | 23.929 | -0.289 |
| 15 | 39 | 23.415 | 23.411 | -0.004 |
| 30 | 40 | 23.911 | 23.807 | -0.104 |
| 30 | 41 | 23.331 | 23.443 | 0.112 |
| 30 | 42 | 23.497 | 23.488 | -0.009 |
| 30 | 43 | 23.769 | 23.714 | -0.055 |
| 30 | 44 | 22.957 | 23.101 | 0.144 |
| 35 | 45 | 23.733 | 23.630 | -0.103 |
| 35 | 46 | 24.142 | 24.001 | -0.141 |
| 35 | 47 | 23.417 | 23.440 | 0.023 |
| 35 | 48 | 23.669 | 23.663 | -0.006 |
| 35 | 49 | 23.646 | 23.791 | 0.145 |
| 50 | 50 | 24.186 | 23.931 | -0.255 |
| 50 | 51 | 23.652 | 23.592 | -0.060 |
| 50 | 52 | 23.888 | 23.670 | -0.218 |
| 50 | 53 | 24.168 | 24.049 | -0.119 |
| 50 | 54 | 23.182 | 23.121 | -0.061 |
| 55 | 55 | 23.240 | 23.431 | 0.191 |
| 55 | 56 | 23.788 | 23.521 | -0.267 |
| 55 | 57 | 24.113 | 24.208 | 0.095 |
| 55 | 58 | 23.345 | 23.409 | 0.064 |
| 55 | 59 | 24.157 | 23.939 | -0.218 |
| 100 | 60 | 23.557 | 23.108 | -0.449 |
| 100 | 61 | 23.098 | 23.171 | 0.073 |
| 100 | 62 | 24.064 | 24.258 | 0.194 |
| 100 | 63 | 23.185 | 23.199 | 0.014 |
| 100 | 64 | 23.157 | 23.238 | 0.081 |
| 105 | 65 | 23.683 | 23.703 | 0.020 |
| 105 | 66 | 24.157 | 24.072 | -0.085 |
| 105 | 67 | 23.770 | 23.841 | 0.071 |
| 105 | 68 | 23.640 | 23.708 | 0.068 |
| 105 | 69 | 23.900 | 24.237 | 0.337 |
| | Max | 24.218 | 24.258 | 0.337 |
| | Average | 23.639 | 23.618 | -0.022 |
| | Min | 22.929 | 23.003 | -0.449 |
| | Std Dev | 0.350 | 0.325 | 0.132 |




| | 5.137_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.339 | 23.080 | 23.395 | 23.003 | 23.288 | 23.101 | 23.440 | 23.121 | 23.409 | 23.108 | 23.703 |
| Average | 23.471 | 23.620 | 23.584 | 23.607 | 23.555 | 23.511 | 23.705 | 23.673 | 23.702 | 23.395 | 23.912 |
| Max | 23.559 | 23.994 | 24.036 | 23.935 | 23.929 | 23.807 | 24.001 | 24.049 | 24.208 | 24.258 | 24.237 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

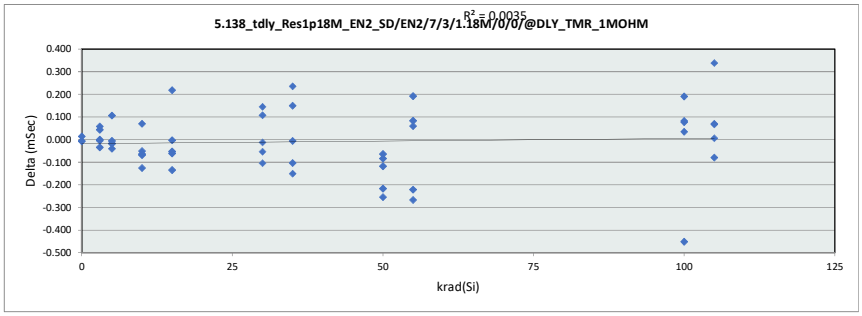


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

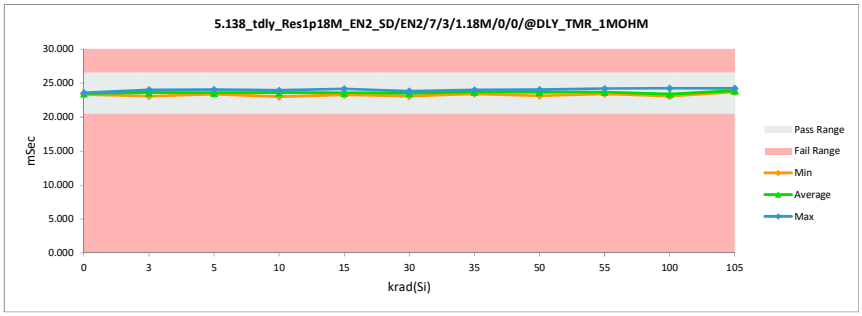
| | 5.138_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.503 | 23.518 | 0.015 |
| 0 | 14 | 23.564 | 23.559 | -0.005 |
| 0 | 15 | 23.346 | 23.339 | -0.007 |
| 3 | 20 | 23.821 | 23.880 | 0.059 |
| 3 | 21 | 23.998 | 23.999 | 0.001 |
| 3 | 22 | 23.805 | 23.849 | 0.044 |
| 3 | 23 | 23.111 | 23.077 | -0.034 |
| 3 | 24 | 23.309 | 23.305 | -0.004 |
| 5 | 25 | 23.518 | 23.625 | 0.107 |
| 5 | 26 | 24.049 | 24.031 | -0.018 |
| 5 | 27 | 23.414 | 23.397 | -0.017 |
| 5 | 28 | 23.448 | 23.443 | -0.005 |
| 5 | 29 | 23.451 | 23.411 | -0.040 |
| 10 | 30 | 23.683 | 23.633 | -0.050 |
| 10 | 31 | 24.067 | 23.942 | -0.125 |
| 10 | 32 | 23.589 | 23.521 | -0.068 |
| 10 | 33 | 23.992 | 23.929 | -0.063 |
| 10 | 34 | 22.928 | 22.999 | 0.071 |
| 15 | 35 | 23.069 | 23.288 | 0.219 |
| 15 | 36 | 23.333 | 23.281 | -0.052 |
| 15 | 37 | 23.972 | 23.838 | -0.134 |
| 15 | 38 | 24.217 | 24.157 | -0.060 |
| 15 | 39 | 23.413 | 23.411 | -0.002 |
| 30 | 40 | 23.913 | 23.809 | -0.104 |
| 30 | 41 | 23.332 | 23.440 | 0.108 |
| 30 | 42 | 23.499 | 23.487 | -0.012 |
| 30 | 43 | 23.766 | 23.713 | -0.053 |
| 30 | 44 | 22.957 | 23.103 | 0.146 |
| 35 | 45 | 23.734 | 23.631 | -0.103 |
| 35 | 46 | 24.142 | 23.992 | -0.150 |
| 35 | 47 | 23.200 | 23.436 | 0.236 |
| 35 | 48 | 23.667 | 23.662 | -0.005 |
| 35 | 49 | 23.643 | 23.793 | 0.150 |
| 50 | 50 | 24.185 | 23.931 | -0.254 |
| 50 | 51 | 23.652 | 23.569 | -0.083 |
| 50 | 52 | 23.889 | 23.673 | -0.216 |
| 50 | 53 | 24.166 | 24.049 | -0.117 |
| 50 | 54 | 23.183 | 23.120 | -0.063 |
| 55 | 55 | 23.237 | 23.430 | 0.193 |
| 55 | 56 | 23.788 | 23.522 | -0.266 |
| 55 | 57 | 24.111 | 24.195 | 0.084 |
| 55 | 58 | 23.351 | 23.411 | 0.060 |
| 55 | 59 | 24.161 | 23.940 | -0.221 |
| 100 | 60 | 23.557 | 23.106 | -0.451 |
| 100 | 61 | 23.099 | 23.177 | 0.078 |
| 100 | 62 | 24.065 | 24.256 | 0.191 |
| 100 | 63 | 23.168 | 23.203 | 0.035 |
| 100 | 64 | 23.156 | 23.239 | 0.083 |
| 105 | 65 | 23.684 | 23.691 | 0.007 |
| 105 | 66 | 24.160 | 24.081 | -0.079 |
| 105 | 67 | 23.773 | 23.844 | 0.071 |
| 105 | 68 | 23.641 | 23.709 | 0.068 |
| 105 | 69 | 23.899 | 24.238 | 0.339 |
| | Max | 24.217 | 24.256 | 0.339 |
| | Average | 23.630 | 23.620 | -0.009 |
| | Min | 22.928 | 22.999 | -0.451 |
| | Std Dev | 0.360 | 0.331 | 0.136 |




| | 5.138_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.339 | 23.077 | 23.397 | 22.999 | 23.281 | 23.103 | 23.436 | 23.120 | 23.411 | 23.106 | 23.691 |
| Average | 23.472 | 23.622 | 23.581 | 23.605 | 23.595 | 23.510 | 23.703 | 23.668 | 23.700 | 23.396 | 23.913 |
| Max | 23.559 | 23.999 | 24.031 | 23.942 | 24.157 | 23.809 | 23.992 | 24.049 | 24.195 | 24.256 | 24.238 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

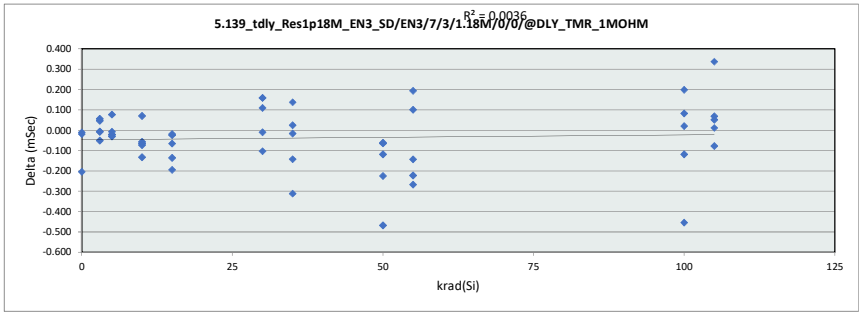


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

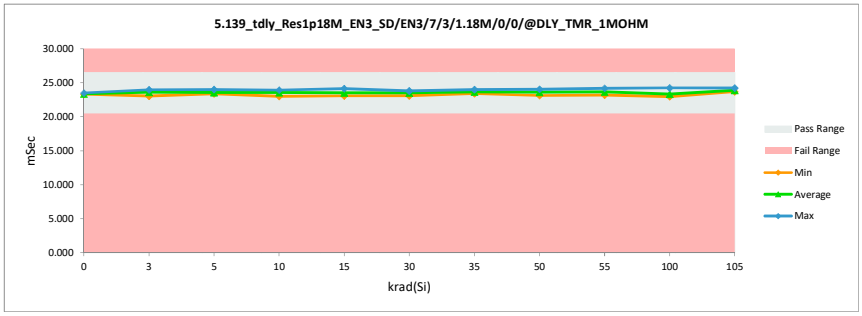
| | 5.139_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.516 | 23.498 | -0.018 |
| 0 | 14 | 23.549 | 23.345 | -0.204 |
| 0 | 15 | 23.339 | 23.329 | -0.010 |
| 3 | 20 | 23.816 | 23.873 | 0.057 |
| 3 | 21 | 23.990 | 23.983 | -0.007 |
| 3 | 22 | 23.797 | 23.844 | 0.047 |
| 3 | 23 | 23.108 | 23.058 | -0.050 |
| 3 | 24 | 23.302 | 23.296 | -0.006 |
| 5 | 25 | 23.543 | 23.620 | 0.077 |
| 5 | 26 | 24.046 | 24.016 | -0.030 |
| 5 | 27 | 23.409 | 23.387 | -0.022 |
| 5 | 28 | 23.442 | 23.435 | -0.007 |
| 5 | 29 | 23.440 | 23.419 | -0.021 |
| 10 | 30 | 23.677 | 23.620 | -0.057 |
| 10 | 31 | 24.063 | 23.931 | -0.132 |
| 10 | 32 | 23.583 | 23.511 | -0.072 |
| 10 | 33 | 23.984 | 23.920 | -0.064 |
| 10 | 34 | 22.923 | 22.994 | 0.071 |
| 15 | 35 | 23.275 | 23.081 | -0.194 |
| 15 | 36 | 23.326 | 23.303 | -0.023 |
| 15 | 37 | 23.967 | 23.832 | -0.135 |
| 15 | 38 | 24.211 | 24.146 | -0.065 |
| 15 | 39 | 23.408 | 23.390 | -0.018 |
| 30 | 40 | 23.905 | 23.802 | -0.103 |
| 30 | 41 | 23.325 | 23.435 | 0.110 |
| 30 | 42 | 23.491 | 23.482 | -0.009 |
| 30 | 43 | 23.544 | 23.703 | 0.159 |
| 30 | 44 | 22.935 | 23.095 | 0.160 |
| 35 | 45 | 23.728 | 23.417 | -0.311 |
| 35 | 46 | 24.134 | 23.992 | -0.142 |
| 35 | 47 | 23.409 | 23.434 | 0.025 |
| 35 | 48 | 23.661 | 23.645 | -0.016 |
| 35 | 49 | 23.638 | 23.776 | 0.138 |
| 50 | 50 | 24.179 | 23.712 | -0.467 |
| 50 | 51 | 23.647 | 23.583 | -0.064 |
| 50 | 52 | 23.883 | 23.659 | -0.224 |
| 50 | 53 | 24.161 | 24.043 | -0.118 |
| 50 | 54 | 23.175 | 23.114 | -0.061 |
| 55 | 55 | 23.230 | 23.424 | 0.194 |
| 55 | 56 | 23.782 | 23.515 | -0.267 |
| 55 | 57 | 24.099 | 24.200 | 0.101 |
| 55 | 58 | 23.345 | 23.202 | -0.143 |
| 55 | 59 | 24.155 | 23.933 | -0.222 |
| 100 | 60 | 23.550 | 23.097 | -0.453 |
| 100 | 61 | 23.093 | 22.975 | -0.118 |
| 100 | 62 | 24.056 | 24.255 | 0.199 |
| 100 | 63 | 23.171 | 23.192 | 0.021 |
| 100 | 64 | 23.150 | 23.233 | 0.083 |
| 105 | 65 | 23.679 | 23.691 | 0.012 |
| 105 | 66 | 24.152 | 24.075 | -0.077 |
| 105 | 67 | 23.780 | 23.832 | 0.052 |
| 105 | 68 | 23.634 | 23.703 | 0.069 |
| 105 | 69 | 23.893 | 24.230 | 0.337 |
| | Max | 24.211 | 24.255 | 0.337 |
| | Average | 23.628 | 23.590 | -0.038 |
| | Min | 22.923 | 22.975 | -0.467 |
| | Std Dev | 0.351 | 0.346 | 0.149 |




| | 5.139_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.329 | 23.058 | 23.387 | 22.994 | 23.081 | 23.095 | 23.417 | 23.114 | 23.202 | 22.975 | 23.691 |
| Average | 23.391 | 23.611 | 23.575 | 23.595 | 23.550 | 23.503 | 23.653 | 23.622 | 23.655 | 23.350 | 23.906 |
| Max | 23.498 | 23.983 | 24.016 | 23.931 | 24.146 | 23.802 | 23.992 | 24.043 | 24.200 | 24.255 | 24.230 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

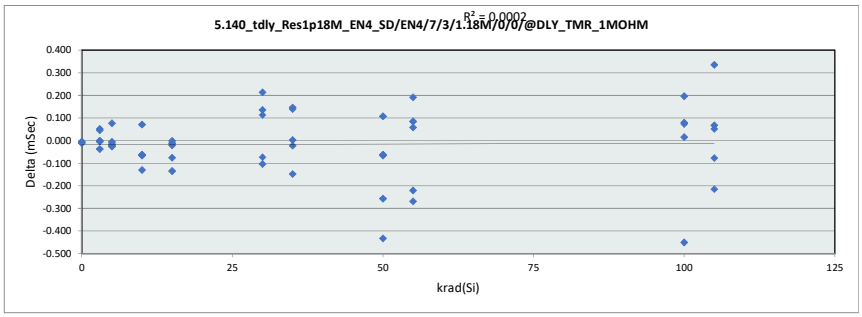


# TID HDR Report
# TPS7H3014-SP

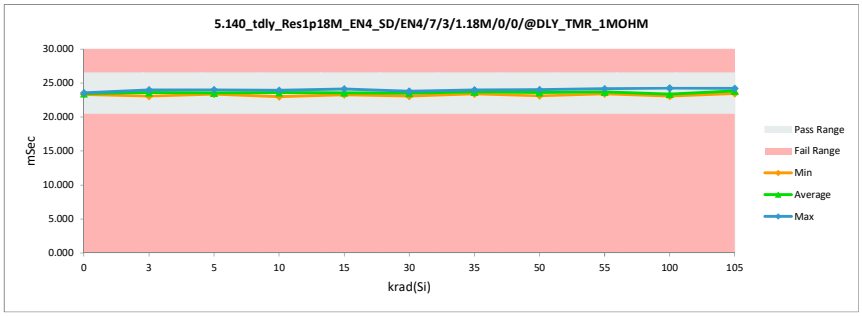
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.140_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.523 | 23.513 | -0.010 |
| 0 | 14 | 23.562 | 23.558 | -0.004 |
| 0 | 15 | 23.343 | 23.333 | -0.010 |
| 3 | 20 | 23.822 | 23.874 | 0.052 |
| 3 | 21 | 23.997 | 23.997 | 0.000 |
| 3 | 22 | 23.803 | 23.849 | 0.046 |
| 3 | 23 | 23.112 | 23.075 | -0.037 |
| 3 | 24 | 23.308 | 23.304 | -0.004 |
| 5 | 25 | 23.548 | 23.625 | 0.077 |
| 5 | 26 | 24.050 | 24.035 | -0.015 |
| 5 | 27 | 23.411 | 23.389 | -0.022 |
| 5 | 28 | 23.448 | 23.443 | -0.005 |
| 5 | 29 | 23.450 | 23.425 | -0.025 |
| 10 | 30 | 23.682 | 23.618 | -0.064 |
| 10 | 31 | 24.069 | 23.939 | -0.130 |
| 10 | 32 | 23.588 | 23.526 | -0.062 |
| 10 | 33 | 23.992 | 23.927 | -0.065 |
| 10 | 34 | 22.928 | 22.999 | 0.071 |
| 15 | 35 | 23.287 | 23.286 | -0.001 |
| 15 | 36 | 23.329 | 23.309 | -0.020 |
| 15 | 37 | 23.973 | 23.839 | -0.134 |
| 15 | 38 | 24.218 | 24.143 | -0.075 |
| 15 | 39 | 23.413 | 23.402 | -0.011 |
| 30 | 40 | 23.910 | 23.807 | -0.103 |
| 30 | 41 | 23.332 | 23.446 | 0.114 |
| 30 | 42 | 23.274 | 23.488 | 0.214 |
| 30 | 43 | 23.770 | 23.697 | -0.073 |
| 30 | 44 | 22.956 | 23.092 | 0.136 |
| 35 | 45 | 23.494 | 23.634 | 0.140 |
| 35 | 46 | 24.141 | 23.994 | -0.147 |
| 35 | 47 | 23.415 | 23.418 | 0.003 |
| 35 | 48 | 23.666 | 23.644 | -0.022 |
| 35 | 49 | 23.643 | 23.790 | 0.147 |
| 50 | 50 | 24.186 | 23.930 | -0.256 |
| 50 | 51 | 23.654 | 23.588 | -0.066 |
| 50 | 52 | 23.879 | 23.447 | -0.432 |
| 50 | 53 | 23.941 | 24.049 | 0.108 |
| 50 | 54 | 23.182 | 23.120 | -0.062 |
| 55 | 55 | 23.238 | 23.430 | 0.192 |
| 55 | 56 | 23.789 | 23.521 | -0.268 |
| 55 | 57 | 24.113 | 24.198 | 0.085 |
| 55 | 58 | 23.352 | 23.411 | 0.059 |
| 55 | 59 | 24.161 | 23.941 | -0.220 |
| 100 | 60 | 23.555 | 23.105 | -0.450 |
| 100 | 61 | 23.100 | 23.179 | 0.079 |
| 100 | 62 | 24.062 | 24.259 | 0.197 |
| 100 | 63 | 23.177 | 23.193 | 0.016 |
| 100 | 64 | 23.156 | 23.230 | 0.074 |
| 105 | 65 | 23.684 | 23.470 | -0.214 |
| 105 | 66 | 24.158 | 24.081 | -0.077 |
| 105 | 67 | 23.787 | 23.839 | 0.052 |
| 105 | 68 | 23.640 | 23.708 | 0.068 |
| 105 | 69 | 23.886 | 24.221 | 0.335 |
| | Max | 24.218 | 24.259 | 0.335 |
| | Average | 23.626 | 23.610 | -0.015 |
| | Min | 22.928 | 22.999 | -0.450 |
| | Std Dev | 0.349 | 0.332 | 0.144 |




| | 5.140_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.333 | 23.075 | 23.389 | 22.999 | 23.286 | 23.092 | 23.418 | 23.120 | 23.411 | 23.105 | 23.470 |
| Average | 23.468 | 23.620 | 23.583 | 23.602 | 23.596 | 23.506 | 23.696 | 23.627 | 23.700 | 23.393 | 23.864 |
| Max | 23.558 | 23.997 | 24.035 | 23.939 | 24.143 | 23.807 | 23.994 | 24.049 | 24.198 | 24.259 | 24.221 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

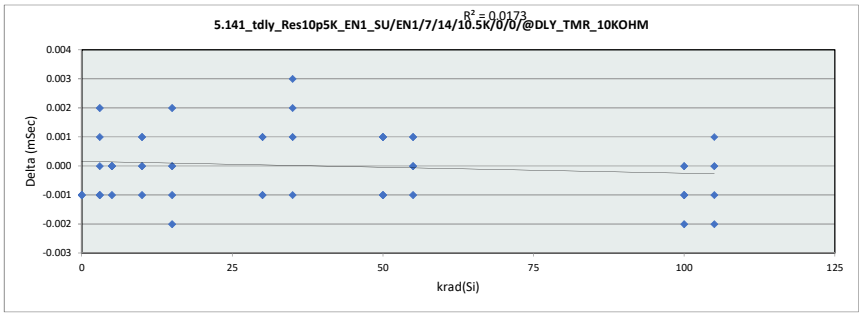


# TID HDR Report
# TPS7H3014-SP

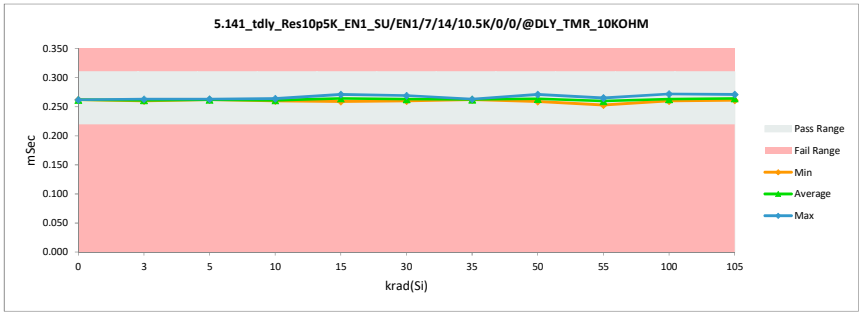
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.141_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.263 | 0.262 | -0.001 |
| 0 | 14 | 0.263 | 0.262 | -0.001 |
| 0 | 15 | 0.263 | 0.262 | -0.001 |
| 3 | 20 | 0.261 | 0.260 | -0.001 |
| 3 | 21 | 0.264 | 0.263 | -0.001 |
| 3 | 22 | 0.262 | 0.262 | 0.000 |
| 3 | 23 | 0.260 | 0.262 | 0.002 |
| 3 | 24 | 0.259 | 0.260 | 0.001 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.262 | 0.262 | 0.000 |
| 5 | 27 | 0.263 | 0.262 | -0.001 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.261 | 0.260 | -0.001 |
| 10 | 31 | 0.260 | 0.261 | 0.001 |
| 10 | 32 | 0.260 | 0.260 | 0.000 |
| 10 | 33 | 0.263 | 0.264 | 0.001 |
| 10 | 34 | 0.261 | 0.261 | 0.000 |
| 15 | 35 | 0.260 | 0.260 | 0.000 |
| 15 | 36 | 0.259 | 0.259 | 0.000 |
| 15 | 37 | 0.269 | 0.268 | -0.001 |
| 15 | 38 | 0.273 | 0.271 | -0.002 |
| 15 | 39 | 0.261 | 0.263 | 0.002 |
| 30 | 40 | 0.263 | 0.262 | -0.001 |
| 30 | 41 | 0.259 | 0.260 | 0.001 |
| 30 | 42 | 0.263 | 0.262 | -0.001 |
| 30 | 43 | 0.268 | 0.269 | 0.001 |
| 30 | 44 | 0.261 | 0.262 | 0.001 |
| 35 | 45 | 0.262 | 0.263 | 0.001 |
| 35 | 46 | 0.263 | 0.262 | -0.001 |
| 35 | 47 | 0.262 | 0.263 | 0.001 |
| 35 | 48 | 0.261 | 0.263 | 0.002 |
| 35 | 49 | 0.259 | 0.262 | 0.003 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.262 | 0.263 | 0.001 |
| 50 | 52 | 0.262 | 0.263 | 0.001 |
| 50 | 53 | 0.270 | 0.271 | 0.001 |
| 50 | 54 | 0.260 | 0.259 | -0.001 |
| 55 | 55 | 0.254 | 0.253 | -0.001 |
| 55 | 56 | 0.264 | 0.265 | 0.001 |
| 55 | 57 | 0.263 | 0.264 | 0.001 |
| 55 | 58 | 0.256 | 0.256 | 0.000 |
| 55 | 59 | 0.261 | 0.261 | 0.000 |
| 100 | 60 | 0.261 | 0.260 | -0.001 |
| 100 | 61 | 0.263 | 0.261 | -0.002 |
| 100 | 62 | 0.272 | 0.272 | 0.000 |
| 100 | 63 | 0.263 | 0.263 | 0.000 |
| 100 | 64 | 0.261 | 0.260 | -0.001 |
| 105 | 65 | 0.263 | 0.261 | -0.002 |
| 105 | 66 | 0.271 | 0.271 | 0.000 |
| 105 | 67 | 0.265 | 0.265 | 0.000 |
| 105 | 68 | 0.263 | 0.262 | -0.001 |
| 105 | 69 | 0.261 | 0.262 | 0.001 |
| | Max | 0.273 | 0.272 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.253 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.141_tdly_Res10p5K_EI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.260 | 0.262 | 0.260 | 0.259 | 0.260 | 0.262 | 0.259 | 0.253 | 0.260 | 0.261 |
| Average | 0.262 | 0.261 | 0.262 | 0.261 | 0.264 | 0.263 | 0.263 | 0.264 | 0.260 | 0.263 | 0.264 |
| Max | 0.262 | 0.263 | 0.263 | 0.264 | 0.271 | 0.269 | 0.263 | 0.271 | 0.265 | 0.272 | 0.271 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

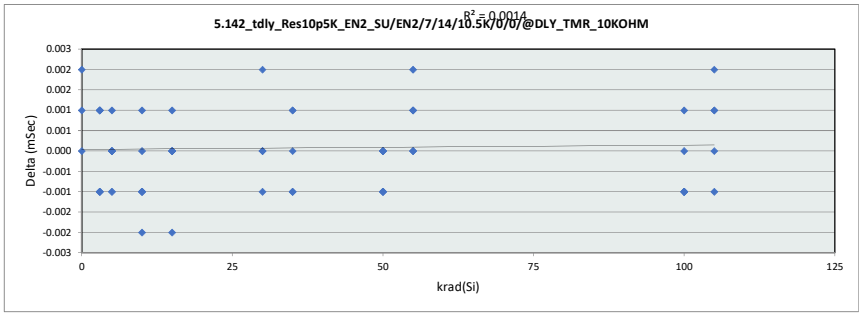


# TID HDR Report
# TPS7H3014-SP

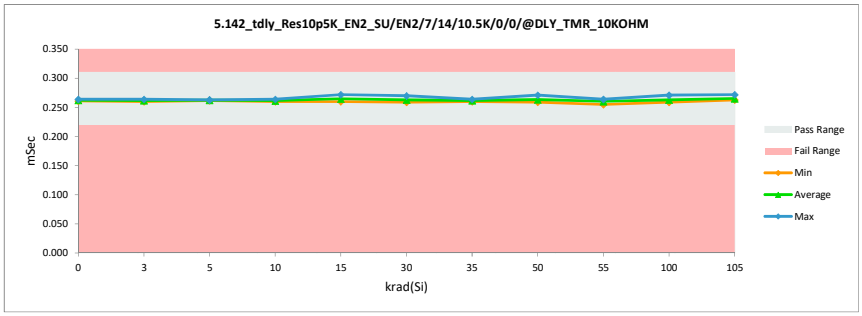
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.142_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.262 | 0.001 |
| 0 | 14 | 0.261 | 0.261 | 0.000 |
| 0 | 15 | 0.262 | 0.264 | 0.002 |
| 3 | 20 | 0.261 | 0.260 | -0.001 |
| 3 | 21 | 0.265 | 0.264 | -0.001 |
| 3 | 22 | 0.263 | 0.264 | 0.001 |
| 3 | 23 | 0.261 | 0.262 | 0.001 |
| 3 | 24 | 0.259 | 0.260 | 0.001 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.262 | 0.262 | 0.000 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.261 | 0.260 | -0.001 |
| 10 | 31 | 0.262 | 0.260 | -0.002 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.265 | 0.264 | -0.001 |
| 10 | 34 | 0.262 | 0.262 | 0.000 |
| 15 | 35 | 0.260 | 0.260 | 0.000 |
| 15 | 36 | 0.260 | 0.261 | 0.001 |
| 15 | 37 | 0.271 | 0.269 | -0.002 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.262 | 0.262 | 0.000 |
| 30 | 40 | 0.263 | 0.263 | 0.000 |
| 30 | 41 | 0.259 | 0.259 | 0.000 |
| 30 | 42 | 0.262 | 0.262 | 0.000 |
| 30 | 43 | 0.268 | 0.270 | 0.002 |
| 30 | 44 | 0.262 | 0.261 | -0.001 |
| 35 | 45 | 0.263 | 0.264 | 0.001 |
| 35 | 46 | 0.262 | 0.262 | 0.000 |
| 35 | 47 | 0.261 | 0.260 | -0.001 |
| 35 | 48 | 0.263 | 0.262 | -0.001 |
| 35 | 49 | 0.261 | 0.262 | 0.001 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.263 | 0.263 | 0.000 |
| 50 | 52 | 0.262 | 0.261 | -0.001 |
| 50 | 53 | 0.271 | 0.271 | 0.000 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.254 | 0.255 | 0.001 |
| 55 | 56 | 0.264 | 0.264 | 0.000 |
| 55 | 57 | 0.264 | 0.264 | 0.000 |
| 55 | 58 | 0.254 | 0.256 | 0.002 |
| 55 | 59 | 0.262 | 0.263 | 0.001 |
| 100 | 60 | 0.260 | 0.259 | -0.001 |
| 100 | 61 | 0.262 | 0.261 | -0.001 |
| 100 | 62 | 0.272 | 0.271 | -0.001 |
| 100 | 63 | 0.262 | 0.262 | 0.000 |
| 100 | 64 | 0.261 | 0.262 | 0.001 |
| 105 | 65 | 0.262 | 0.263 | 0.001 |
| 105 | 66 | 0.271 | 0.272 | 0.001 |
| 105 | 67 | 0.266 | 0.265 | -0.001 |
| 105 | 68 | 0.263 | 0.263 | 0.000 |
| 105 | 69 | 0.262 | 0.264 | 0.002 |
| | Max | 0.272 | 0.272 | 0.002 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.255 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.142_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.260 | 0.262 | 0.260 | 0.260 | 0.259 | 0.260 | 0.259 | 0.255 | 0.259 | 0.263 |
| Average | 0.262 | 0.262 | 0.262 | 0.262 | 0.265 | 0.263 | 0.262 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.264 | 0.264 | 0.263 | 0.264 | 0.272 | 0.270 | 0.264 | 0.271 | 0.264 | 0.271 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

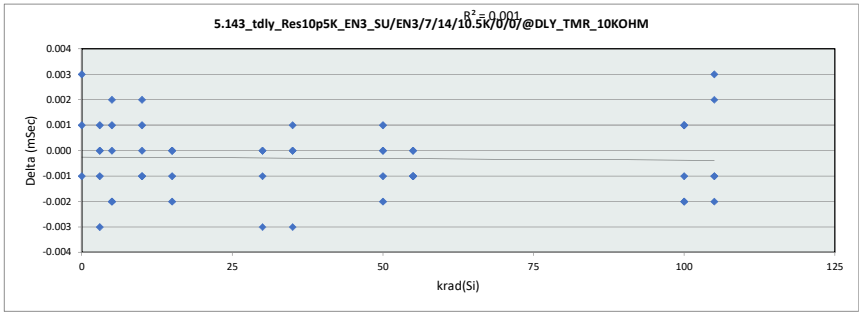


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

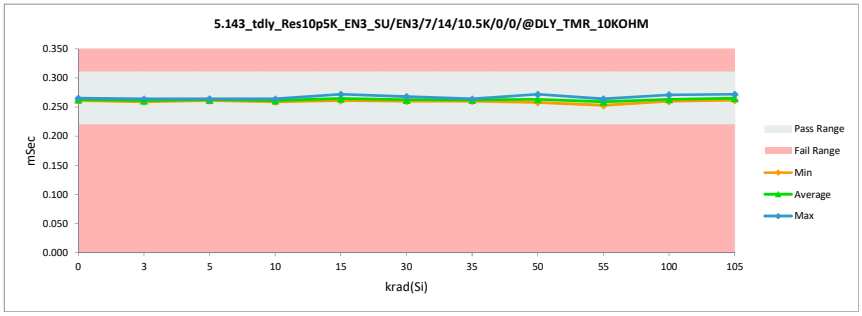
| | 5.143_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.261 | -0.001 |
| 0 | 14 | 0.262 | 0.263 | 0.001 |
| 0 | 15 | 0.262 | 0.265 | 0.003 |
| 3 | 20 | 0.260 | 0.260 | 0.000 |
| 3 | 21 | 0.267 | 0.264 | -0.003 |
| 3 | 22 | 0.263 | 0.263 | 0.000 |
| 3 | 23 | 0.261 | 0.260 | -0.001 |
| 3 | 24 | 0.258 | 0.259 | 0.001 |
| 5 | 25 | 0.266 | 0.264 | -0.002 |
| 5 | 26 | 0.262 | 0.262 | 0.000 |
| 5 | 27 | 0.263 | 0.261 | -0.002 |
| 5 | 28 | 0.262 | 0.263 | 0.001 |
| 5 | 29 | 0.261 | 0.263 | 0.002 |
| 10 | 30 | 0.261 | 0.260 | -0.001 |
| 10 | 31 | 0.260 | 0.261 | 0.001 |
| 10 | 32 | 0.260 | 0.259 | -0.001 |
| 10 | 33 | 0.263 | 0.263 | 0.000 |
| 10 | 34 | 0.262 | 0.264 | 0.002 |
| 15 | 35 | 0.261 | 0.261 | 0.000 |
| 15 | 36 | 0.262 | 0.261 | -0.001 |
| 15 | 37 | 0.269 | 0.269 | 0.000 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.263 | 0.261 | -0.002 |
| 30 | 40 | 0.262 | 0.262 | 0.000 |
| 30 | 41 | 0.260 | 0.260 | 0.000 |
| 30 | 42 | 0.263 | 0.262 | -0.001 |
| 30 | 43 | 0.271 | 0.268 | -0.003 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.263 | 0.264 | 0.001 |
| 35 | 46 | 0.263 | 0.263 | 0.000 |
| 35 | 47 | 0.263 | 0.263 | 0.000 |
| 35 | 48 | 0.262 | 0.262 | 0.000 |
| 35 | 49 | 0.263 | 0.260 | -0.003 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.261 | 0.262 | 0.001 |
| 50 | 52 | 0.262 | 0.262 | 0.000 |
| 50 | 53 | 0.272 | 0.272 | 0.000 |
| 50 | 54 | 0.260 | 0.258 | -0.002 |
| 55 | 55 | 0.254 | 0.253 | -0.001 |
| 55 | 56 | 0.265 | 0.264 | -0.001 |
| 55 | 57 | 0.263 | 0.262 | -0.001 |
| 55 | 58 | 0.255 | 0.255 | 0.000 |
| 55 | 59 | 0.261 | 0.261 | 0.000 |
| 100 | 60 | 0.260 | 0.261 | 0.001 |
| 100 | 61 | 0.262 | 0.261 | -0.001 |
| 100 | 62 | 0.270 | 0.271 | 0.001 |
| 100 | 63 | 0.265 | 0.263 | -0.002 |
| 100 | 64 | 0.262 | 0.260 | -0.002 |
| 105 | 65 | 0.263 | 0.262 | -0.001 |
| 105 | 66 | 0.270 | 0.272 | 0.002 |
| 105 | 67 | 0.266 | 0.264 | -0.002 |
| 105 | 68 | 0.264 | 0.263 | -0.001 |
| 105 | 69 | 0.261 | 0.264 | 0.003 |
| | Max | 0.272 | 0.272 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.253 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.143_tdly_Res10p5K_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.31 | mSec |
| Min Limit | 0.22 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.261 | 0.259 | 0.261 | 0.260 | 0.260 | 0.258 | 0.253 | 0.260 | 0.262 |
| Average | 0.263 | 0.261 | 0.263 | 0.261 | 0.265 | 0.263 | 0.262 | 0.263 | 0.259 | 0.263 | 0.265 |
| Max | 0.265 | 0.264 | 0.264 | 0.264 | 0.272 | 0.268 | 0.264 | 0.272 | 0.264 | 0.271 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

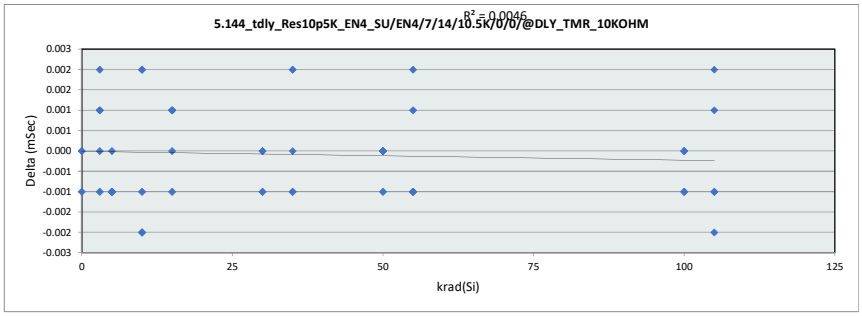


# TID HDR Report
# TPS7H3014-SP

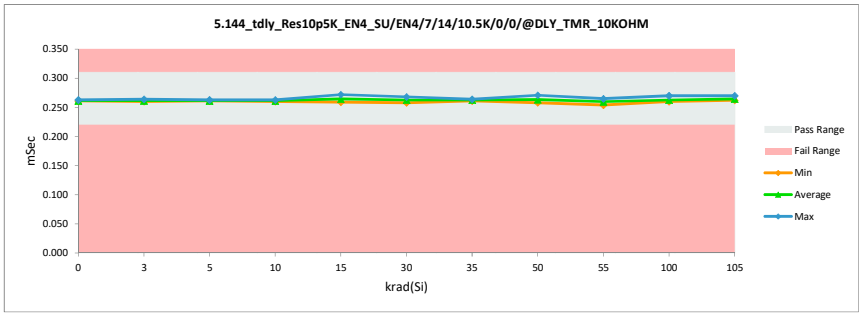
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.144_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.261 | 0.000 |
| 0 | 14 | 0.263 | 0.263 | 0.000 |
| 0 | 15 | 0.262 | 0.261 | -0.001 |
| 3 | 20 | 0.260 | 0.261 | 0.001 |
| 3 | 21 | 0.263 | 0.264 | 0.001 |
| 3 | 22 | 0.263 | 0.262 | -0.001 |
| 3 | 23 | 0.261 | 0.261 | 0.000 |
| 3 | 24 | 0.258 | 0.260 | 0.002 |
| 5 | 25 | 0.264 | 0.263 | -0.001 |
| 5 | 26 | 0.262 | 0.261 | -0.001 |
| 5 | 27 | 0.261 | 0.261 | 0.000 |
| 5 | 28 | 0.262 | 0.261 | -0.001 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.262 | 0.260 | -0.002 |
| 10 | 31 | 0.261 | 0.260 | -0.001 |
| 10 | 32 | 0.260 | 0.262 | 0.002 |
| 10 | 33 | 0.265 | 0.263 | -0.002 |
| 10 | 34 | 0.261 | 0.263 | 0.002 |
| 15 | 35 | 0.259 | 0.259 | 0.000 |
| 15 | 36 | 0.259 | 0.260 | 0.001 |
| 15 | 37 | 0.269 | 0.270 | 0.001 |
| 15 | 38 | 0.271 | 0.272 | 0.001 |
| 15 | 39 | 0.262 | 0.261 | -0.001 |
| 30 | 40 | 0.264 | 0.263 | -0.001 |
| 30 | 41 | 0.259 | 0.258 | -0.001 |
| 30 | 42 | 0.262 | 0.262 | 0.000 |
| 30 | 43 | 0.268 | 0.268 | 0.000 |
| 30 | 44 | 0.262 | 0.262 | 0.000 |
| 35 | 45 | 0.264 | 0.263 | -0.001 |
| 35 | 46 | 0.263 | 0.262 | -0.001 |
| 35 | 47 | 0.261 | 0.263 | 0.002 |
| 35 | 48 | 0.262 | 0.264 | 0.002 |
| 35 | 49 | 0.261 | 0.261 | 0.000 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.263 | 0.263 | 0.000 |
| 50 | 52 | 0.262 | 0.262 | 0.000 |
| 50 | 53 | 0.271 | 0.271 | 0.000 |
| 50 | 54 | 0.258 | 0.258 | 0.000 |
| 55 | 55 | 0.254 | 0.255 | 0.001 |
| 55 | 56 | 0.264 | 0.263 | -0.001 |
| 55 | 57 | 0.263 | 0.265 | 0.002 |
| 55 | 58 | 0.255 | 0.254 | -0.001 |
| 55 | 59 | 0.263 | 0.262 | -0.001 |
| 100 | 60 | 0.260 | 0.260 | 0.000 |
| 100 | 61 | 0.261 | 0.261 | 0.000 |
| 100 | 62 | 0.271 | 0.270 | -0.001 |
| 100 | 63 | 0.263 | 0.263 | 0.000 |
| 100 | 64 | 0.261 | 0.260 | -0.001 |
| 105 | 65 | 0.263 | 0.262 | -0.001 |
| 105 | 66 | 0.271 | 0.270 | -0.001 |
| 105 | 67 | 0.266 | 0.264 | -0.002 |
| 105 | 68 | 0.262 | 0.264 | 0.002 |
| 105 | 69 | 0.262 | 0.263 | 0.001 |
| | Max | 0.271 | 0.272 | 0.002 |
| | Average | 0.263 | 0.262 | 0.000 |
| | Min | 0.254 | 0.254 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.144_tdly_Res10p5K_El | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.260 | 0.261 | 0.260 | 0.259 | 0.258 | 0.261 | 0.258 | 0.254 | 0.260 | 0.262 |
| Average | 0.262 | 0.262 | 0.262 | 0.262 | 0.264 | 0.263 | 0.263 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.263 | 0.264 | 0.263 | 0.263 | 0.272 | 0.268 | 0.264 | 0.271 | 0.265 | 0.270 | 0.270 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

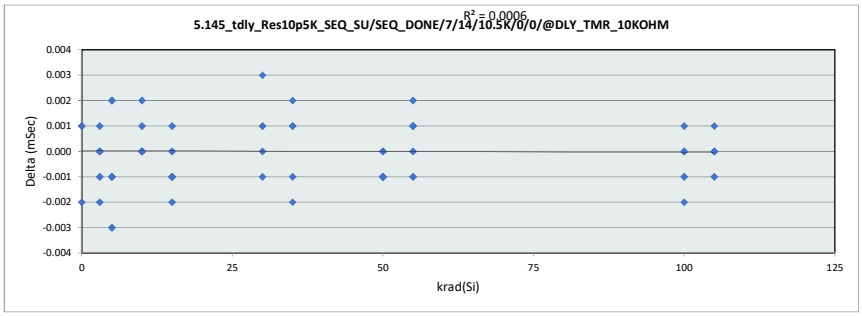


# TID HDR Report
# TPS7H3014-SP

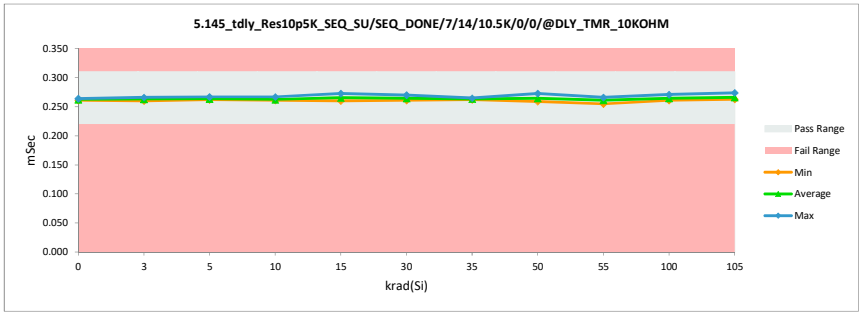
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.145_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.263 | 0.001 |
| 0 | 14 | 0.263 | 0.261 | -0.002 |
| 0 | 15 | 0.263 | 0.264 | 0.001 |
| 3 | 20 | 0.265 | 0.263 | -0.002 |
| 3 | 21 | 0.266 | 0.266 | 0.000 |
| 3 | 22 | 0.264 | 0.264 | 0.000 |
| 3 | 23 | 0.262 | 0.263 | 0.001 |
| 3 | 24 | 0.261 | 0.260 | -0.001 |
| 5 | 25 | 0.265 | 0.267 | 0.002 |
| 5 | 26 | 0.264 | 0.263 | -0.001 |
| 5 | 27 | 0.262 | 0.264 | 0.002 |
| 5 | 28 | 0.264 | 0.263 | -0.001 |
| 5 | 29 | 0.265 | 0.262 | -0.003 |
| 10 | 30 | 0.261 | 0.262 | 0.001 |
| 10 | 31 | 0.261 | 0.261 | 0.000 |
| 10 | 32 | 0.262 | 0.262 | 0.000 |
| 10 | 33 | 0.265 | 0.267 | 0.002 |
| 10 | 34 | 0.262 | 0.262 | 0.000 |
| 15 | 35 | 0.262 | 0.260 | -0.002 |
| 15 | 36 | 0.261 | 0.260 | -0.001 |
| 15 | 37 | 0.270 | 0.271 | 0.001 |
| 15 | 38 | 0.274 | 0.273 | -0.001 |
| 15 | 39 | 0.263 | 0.263 | 0.000 |
| 30 | 40 | 0.262 | 0.265 | 0.003 |
| 30 | 41 | 0.262 | 0.261 | -0.001 |
| 30 | 42 | 0.263 | 0.263 | 0.000 |
| 30 | 43 | 0.269 | 0.270 | 0.001 |
| 30 | 44 | 0.262 | 0.263 | 0.001 |
| 35 | 45 | 0.266 | 0.265 | -0.001 |
| 35 | 46 | 0.263 | 0.264 | 0.001 |
| 35 | 47 | 0.262 | 0.264 | 0.002 |
| 35 | 48 | 0.265 | 0.263 | -0.002 |
| 35 | 49 | 0.261 | 0.262 | 0.001 |
| 50 | 50 | 0.266 | 0.265 | -0.001 |
| 50 | 51 | 0.263 | 0.263 | 0.000 |
| 50 | 52 | 0.264 | 0.263 | -0.001 |
| 50 | 53 | 0.274 | 0.273 | -0.001 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.256 | 0.255 | -0.001 |
| 55 | 56 | 0.264 | 0.265 | 0.001 |
| 55 | 57 | 0.264 | 0.266 | 0.002 |
| 55 | 58 | 0.257 | 0.257 | 0.000 |
| 55 | 59 | 0.263 | 0.264 | 0.001 |
| 100 | 60 | 0.262 | 0.261 | -0.001 |
| 100 | 61 | 0.263 | 0.264 | 0.001 |
| 100 | 62 | 0.273 | 0.271 | -0.002 |
| 100 | 63 | 0.264 | 0.264 | 0.000 |
| 100 | 64 | 0.263 | 0.263 | 0.000 |
| 105 | 65 | 0.263 | 0.263 | 0.000 |
| 105 | 66 | 0.274 | 0.274 | 0.000 |
| 105 | 67 | 0.266 | 0.266 | 0.000 |
| 105 | 68 | 0.265 | 0.264 | -0.001 |
| 105 | 69 | 0.263 | 0.264 | 0.001 |
| | Max | 0.274 | 0.274 | 0.003 |
| | Average | 0.264 | 0.264 | 0.000 |
| | Min | 0.256 | 0.255 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.145_tdly_Res10p5K_SI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.260 | 0.262 | 0.261 | 0.260 | 0.261 | 0.262 | 0.259 | 0.255 | 0.261 | 0.263 |
| Average | 0.263 | 0.263 | 0.264 | 0.263 | 0.265 | 0.264 | 0.264 | 0.265 | 0.261 | 0.265 | 0.266 |
| Max | 0.264 | 0.266 | 0.267 | 0.267 | 0.273 | 0.270 | 0.265 | 0.273 | 0.266 | 0.271 | 0.274 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

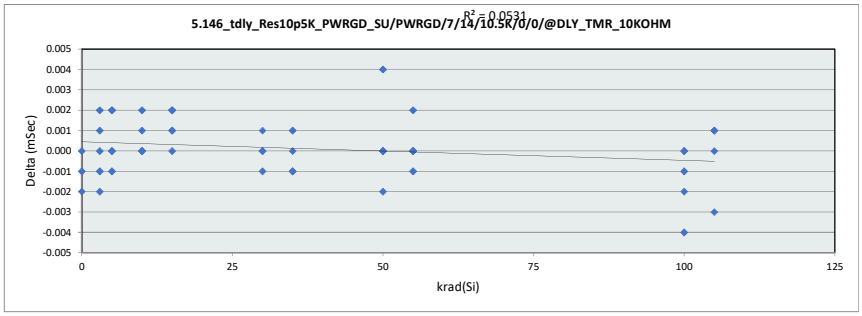


# TID HDR Report
# TPS7H3014-SP

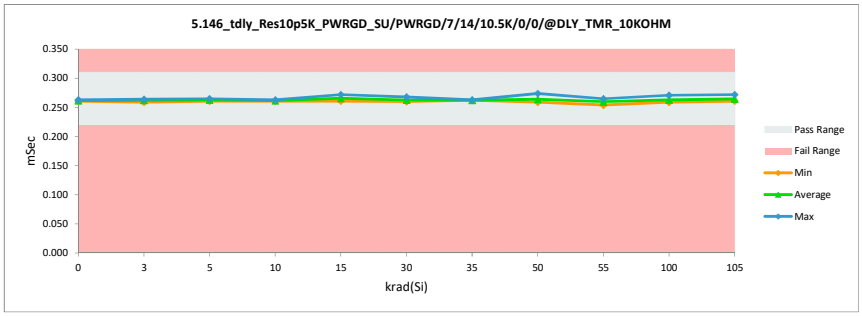
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.146_tdly_Res10p5K_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.263 | 0.261 | -0.002 |
| 0 | 14 | 0.263 | 0.263 | 0.000 |
| 0 | 15 | 0.262 | 0.261 | -0.001 |
| 3 | 20 | 0.260 | 0.261 | 0.001 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.264 | 0.263 | -0.001 |
| 3 | 23 | 0.261 | 0.263 | 0.002 |
| 3 | 24 | 0.261 | 0.259 | -0.002 |
| 5 | 25 | 0.263 | 0.265 | 0.002 |
| 5 | 26 | 0.263 | 0.262 | -0.001 |
| 5 | 27 | 0.261 | 0.261 | 0.000 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.261 | 0.263 | 0.002 |
| 10 | 30 | 0.260 | 0.262 | 0.002 |
| 10 | 31 | 0.261 | 0.262 | 0.001 |
| 10 | 32 | 0.261 | 0.261 | 0.000 |
| 10 | 33 | 0.263 | 0.263 | 0.000 |
| 10 | 34 | 0.261 | 0.261 | 0.000 |
| 15 | 35 | 0.260 | 0.262 | 0.002 |
| 15 | 36 | 0.260 | 0.261 | 0.001 |
| 15 | 37 | 0.269 | 0.270 | 0.001 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.261 | 0.263 | 0.002 |
| 30 | 40 | 0.261 | 0.262 | 0.001 |
| 30 | 41 | 0.260 | 0.260 | 0.000 |
| 30 | 42 | 0.262 | 0.262 | 0.000 |
| 30 | 43 | 0.269 | 0.268 | -0.001 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.264 | 0.263 | -0.001 |
| 35 | 46 | 0.262 | 0.262 | 0.000 |
| 35 | 47 | 0.263 | 0.262 | -0.001 |
| 35 | 48 | 0.262 | 0.263 | 0.001 |
| 35 | 49 | 0.261 | 0.262 | 0.001 |
| 50 | 50 | 0.265 | 0.263 | -0.002 |
| 50 | 51 | 0.262 | 0.262 | 0.000 |
| 50 | 52 | 0.262 | 0.262 | 0.000 |
| 50 | 53 | 0.270 | 0.274 | 0.004 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.254 | 0.254 | 0.000 |
| 55 | 56 | 0.263 | 0.265 | 0.002 |
| 55 | 57 | 0.263 | 0.263 | 0.000 |
| 55 | 58 | 0.256 | 0.255 | -0.001 |
| 55 | 59 | 0.262 | 0.262 | 0.000 |
| 100 | 60 | 0.263 | 0.259 | -0.004 |
| 100 | 61 | 0.263 | 0.261 | -0.002 |
| 100 | 62 | 0.271 | 0.271 | 0.000 |
| 100 | 63 | 0.263 | 0.262 | -0.001 |
| 100 | 64 | 0.262 | 0.262 | 0.000 |
| 105 | 65 | 0.264 | 0.261 | -0.003 |
| 105 | 66 | 0.271 | 0.272 | 0.001 |
| 105 | 67 | 0.264 | 0.264 | 0.000 |
| 105 | 68 | 0.262 | 0.263 | 0.001 |
| 105 | 69 | 0.262 | 0.263 | 0.001 |
| | Max | 0.272 | 0.274 | 0.004 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.254 | -0.004 |
| | Std Dev | 0.003 | 0.004 | 0.001 |




| | 5.146_tdly_Res10p5K_P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.261 | 0.261 | 0.261 | 0.260 | 0.262 | 0.259 | 0.254 | 0.259 | 0.261 |
| Average | 0.262 | 0.262 | 0.263 | 0.262 | 0.266 | 0.263 | 0.262 | 0.264 | 0.260 | 0.263 | 0.265 |
| Max | 0.263 | 0.264 | 0.265 | 0.263 | 0.272 | 0.268 | 0.263 | 0.274 | 0.265 | 0.271 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

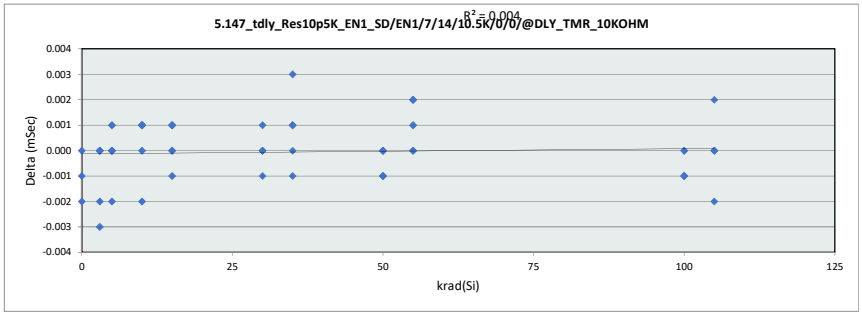


# TID HDR Report
# TPS7H3014-SP

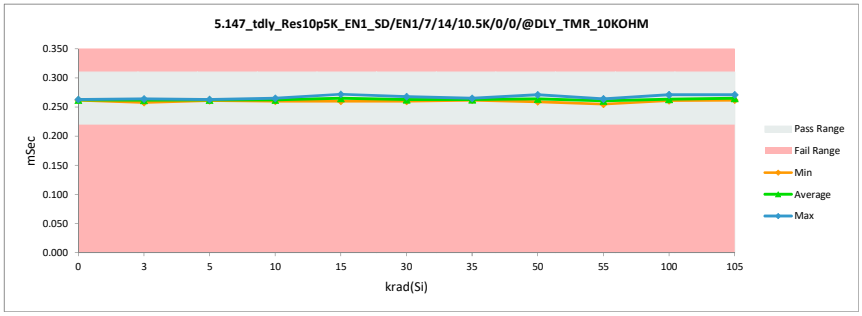
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.147_tdly_Res10p5K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.262 | 0.000 |
| 0 | 14 | 0.264 | 0.263 | -0.001 |
| 0 | 15 | 0.264 | 0.262 | -0.002 |
| 3 | 20 | 0.261 | 0.261 | 0.000 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.265 | 0.262 | -0.003 |
| 3 | 23 | 0.263 | 0.263 | 0.000 |
| 3 | 24 | 0.260 | 0.258 | -0.002 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.263 | 0.263 | 0.000 |
| 5 | 27 | 0.261 | 0.262 | 0.001 |
| 5 | 28 | 0.262 | 0.262 | 0.000 |
| 5 | 29 | 0.263 | 0.261 | -0.002 |
| 10 | 30 | 0.261 | 0.262 | 0.001 |
| 10 | 31 | 0.262 | 0.260 | -0.002 |
| 10 | 32 | 0.260 | 0.260 | 0.000 |
| 10 | 33 | 0.264 | 0.265 | 0.001 |
| 10 | 34 | 0.263 | 0.264 | 0.001 |
| 15 | 35 | 0.260 | 0.261 | 0.001 |
| 15 | 36 | 0.259 | 0.260 | 0.001 |
| 15 | 37 | 0.271 | 0.270 | -0.001 |
| 15 | 38 | 0.272 | 0.272 | 0.000 |
| 15 | 39 | 0.263 | 0.263 | 0.000 |
| 30 | 40 | 0.262 | 0.262 | 0.000 |
| 30 | 41 | 0.260 | 0.260 | 0.000 |
| 30 | 42 | 0.262 | 0.262 | 0.000 |
| 30 | 43 | 0.269 | 0.268 | -0.001 |
| 30 | 44 | 0.261 | 0.262 | 0.001 |
| 35 | 45 | 0.264 | 0.265 | 0.001 |
| 35 | 46 | 0.263 | 0.262 | -0.001 |
| 35 | 47 | 0.261 | 0.262 | 0.001 |
| 35 | 48 | 0.262 | 0.262 | 0.000 |
| 35 | 49 | 0.260 | 0.263 | 0.003 |
| 50 | 50 | 0.265 | 0.264 | -0.001 |
| 50 | 51 | 0.264 | 0.264 | 0.000 |
| 50 | 52 | 0.263 | 0.262 | -0.001 |
| 50 | 53 | 0.271 | 0.271 | 0.000 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.254 | 0.255 | 0.001 |
| 55 | 56 | 0.264 | 0.264 | 0.000 |
| 55 | 57 | 0.262 | 0.264 | 0.002 |
| 55 | 58 | 0.255 | 0.257 | 0.002 |
| 55 | 59 | 0.263 | 0.263 | 0.000 |
| 100 | 60 | 0.261 | 0.261 | 0.000 |
| 100 | 61 | 0.263 | 0.262 | -0.001 |
| 100 | 62 | 0.271 | 0.271 | 0.000 |
| 100 | 63 | 0.263 | 0.262 | -0.001 |
| 100 | 64 | 0.262 | 0.261 | -0.001 |
| 105 | 65 | 0.264 | 0.262 | -0.002 |
| 105 | 66 | 0.271 | 0.271 | 0.000 |
| 105 | 67 | 0.266 | 0.266 | 0.000 |
| 105 | 68 | 0.263 | 0.263 | 0.000 |
| 105 | 69 | 0.262 | 0.264 | 0.002 |
| | Max | 0.272 | 0.272 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.254 | 0.255 | -0.003 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.147_tdly_Res10p5K_El | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.258 | 0.261 | 0.260 | 0.260 | 0.260 | 0.262 | 0.259 | 0.255 | 0.261 | 0.262 |
| Average | 0.262 | 0.262 | 0.262 | 0.262 | 0.265 | 0.263 | 0.263 | 0.264 | 0.261 | 0.263 | 0.265 |
| Max | 0.263 | 0.264 | 0.263 | 0.265 | 0.272 | 0.268 | 0.265 | 0.271 | 0.264 | 0.271 | 0.271 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

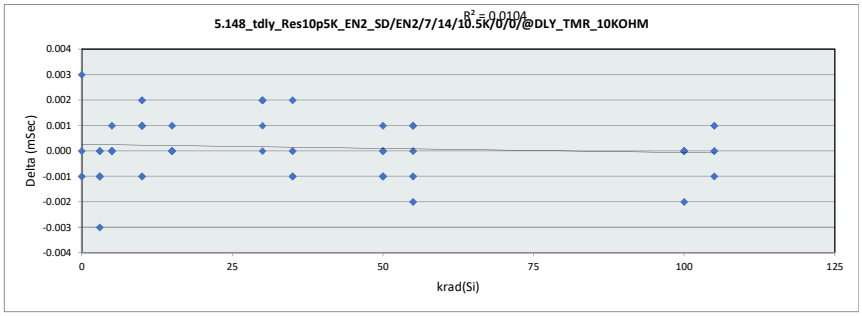


# TID HDR Report
# TPS7H3014-SP

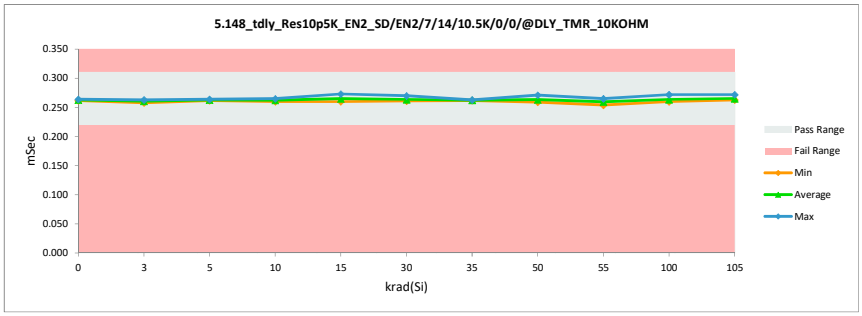
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.148_tdly_Res10p5K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.264 | 0.003 |
| 0 | 14 | 0.262 | 0.262 | 0.000 |
| 0 | 15 | 0.263 | 0.262 | -0.001 |
| 3 | 20 | 0.260 | 0.260 | 0.000 |
| 3 | 21 | 0.264 | 0.263 | -0.001 |
| 3 | 22 | 0.265 | 0.262 | -0.003 |
| 3 | 23 | 0.261 | 0.261 | 0.000 |
| 3 | 24 | 0.259 | 0.258 | -0.001 |
| 5 | 25 | 0.263 | 0.263 | 0.000 |
| 5 | 26 | 0.263 | 0.264 | 0.001 |
| 5 | 27 | 0.262 | 0.262 | 0.000 |
| 5 | 28 | 0.263 | 0.263 | 0.000 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.260 | 0.262 | 0.002 |
| 10 | 31 | 0.261 | 0.260 | -0.001 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.264 | 0.265 | 0.001 |
| 10 | 34 | 0.262 | 0.263 | 0.001 |
| 15 | 35 | 0.260 | 0.260 | 0.000 |
| 15 | 36 | 0.259 | 0.260 | 0.001 |
| 15 | 37 | 0.270 | 0.270 | 0.000 |
| 15 | 38 | 0.273 | 0.273 | 0.000 |
| 15 | 39 | 0.262 | 0.262 | 0.000 |
| 30 | 40 | 0.261 | 0.263 | 0.002 |
| 30 | 41 | 0.260 | 0.261 | 0.001 |
| 30 | 42 | 0.261 | 0.263 | 0.002 |
| 30 | 43 | 0.268 | 0.270 | 0.002 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.264 | 0.263 | -0.001 |
| 35 | 46 | 0.263 | 0.262 | -0.001 |
| 35 | 47 | 0.263 | 0.263 | 0.000 |
| 35 | 48 | 0.261 | 0.263 | 0.002 |
| 35 | 49 | 0.262 | 0.262 | 0.000 |
| 50 | 50 | 0.264 | 0.264 | 0.000 |
| 50 | 51 | 0.262 | 0.261 | -0.001 |
| 50 | 52 | 0.262 | 0.262 | 0.000 |
| 50 | 53 | 0.270 | 0.271 | 0.001 |
| 50 | 54 | 0.260 | 0.259 | -0.001 |
| 55 | 55 | 0.253 | 0.254 | 0.001 |
| 55 | 56 | 0.265 | 0.265 | 0.000 |
| 55 | 57 | 0.264 | 0.262 | -0.002 |
| 55 | 58 | 0.256 | 0.255 | -0.001 |
| 55 | 59 | 0.261 | 0.262 | 0.001 |
| 100 | 60 | 0.260 | 0.260 | 0.000 |
| 100 | 61 | 0.263 | 0.261 | -0.002 |
| 100 | 62 | 0.272 | 0.272 | 0.000 |
| 100 | 63 | 0.263 | 0.263 | 0.000 |
| 100 | 64 | 0.262 | 0.262 | 0.000 |
| 105 | 65 | 0.264 | 0.263 | -0.001 |
| 105 | 66 | 0.272 | 0.272 | 0.000 |
| 105 | 67 | 0.265 | 0.265 | 0.000 |
| 105 | 68 | 0.263 | 0.264 | 0.001 |
| 105 | 69 | 0.262 | 0.263 | 0.001 |
| | Max | 0.273 | 0.273 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.253 | 0.254 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.148_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.258 | 0.262 | 0.260 | 0.260 | 0.261 | 0.262 | 0.259 | 0.254 | 0.260 | 0.263 |
| Average | 0.263 | 0.261 | 0.263 | 0.262 | 0.265 | 0.264 | 0.263 | 0.263 | 0.260 | 0.264 | 0.265 |
| Max | 0.264 | 0.263 | 0.264 | 0.265 | 0.273 | 0.270 | 0.263 | 0.271 | 0.265 | 0.272 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

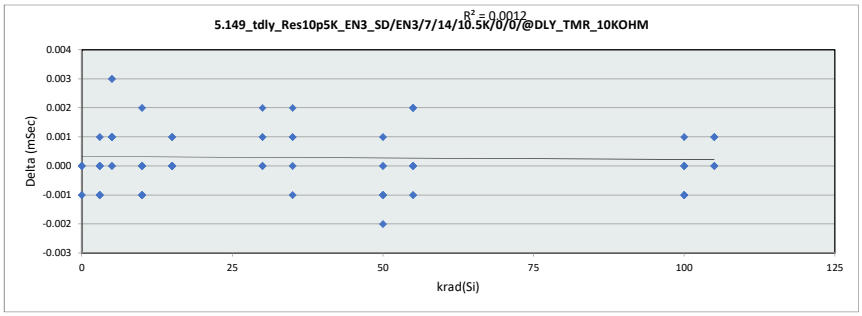


# TID HDR Report
# TPS7H3014-SP

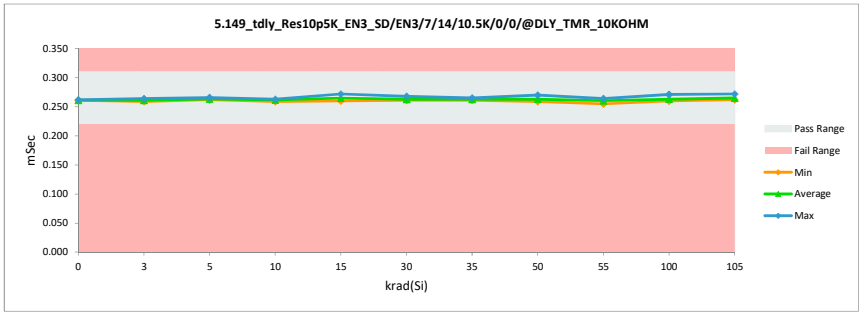
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.149_tdly_Res10p5K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.261 | -0.001 |
| 0 | 14 | 0.261 | 0.261 | 0.000 |
| 0 | 15 | 0.262 | 0.262 | 0.000 |
| 3 | 20 | 0.261 | 0.260 | -0.001 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.263 | 0.264 | 0.001 |
| 3 | 23 | 0.261 | 0.260 | -0.001 |
| 3 | 24 | 0.259 | 0.259 | 0.000 |
| 5 | 25 | 0.263 | 0.266 | 0.003 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.261 | 0.262 | 0.001 |
| 5 | 28 | 0.263 | 0.264 | 0.001 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.263 | 0.262 | -0.001 |
| 10 | 31 | 0.260 | 0.262 | 0.002 |
| 10 | 32 | 0.260 | 0.259 | -0.001 |
| 10 | 33 | 0.263 | 0.263 | 0.000 |
| 10 | 34 | 0.262 | 0.262 | 0.000 |
| 15 | 35 | 0.260 | 0.260 | 0.000 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.269 | 0.270 | 0.001 |
| 15 | 38 | 0.271 | 0.272 | 0.001 |
| 15 | 39 | 0.262 | 0.262 | 0.000 |
| 30 | 40 | 0.261 | 0.262 | 0.001 |
| 30 | 41 | 0.260 | 0.261 | 0.001 |
| 30 | 42 | 0.261 | 0.263 | 0.002 |
| 30 | 43 | 0.268 | 0.268 | 0.000 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.264 | 0.265 | 0.001 |
| 35 | 46 | 0.263 | 0.264 | 0.001 |
| 35 | 47 | 0.263 | 0.263 | 0.000 |
| 35 | 48 | 0.263 | 0.262 | -0.001 |
| 35 | 49 | 0.259 | 0.261 | 0.002 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.263 | 0.261 | -0.002 |
| 50 | 52 | 0.262 | 0.263 | 0.001 |
| 50 | 53 | 0.271 | 0.270 | -0.001 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.253 | 0.255 | 0.002 |
| 55 | 56 | 0.265 | 0.264 | -0.001 |
| 55 | 57 | 0.264 | 0.264 | 0.000 |
| 55 | 58 | 0.256 | 0.256 | 0.000 |
| 55 | 59 | 0.261 | 0.263 | 0.002 |
| 100 | 60 | 0.260 | 0.260 | 0.000 |
| 100 | 61 | 0.261 | 0.261 | 0.000 |
| 100 | 62 | 0.272 | 0.271 | -0.001 |
| 100 | 63 | 0.264 | 0.263 | -0.001 |
| 100 | 64 | 0.260 | 0.261 | 0.001 |
| 105 | 65 | 0.262 | 0.263 | 0.001 |
| 105 | 66 | 0.271 | 0.272 | 0.001 |
| 105 | 67 | 0.265 | 0.266 | 0.001 |
| 105 | 68 | 0.263 | 0.263 | 0.000 |
| 105 | 69 | 0.262 | 0.262 | 0.000 |
| | Max | 0.272 | 0.272 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.253 | 0.255 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.149_tdly_Res10p5K_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.261 | 0.259 | 0.262 | 0.259 | 0.260 | 0.261 | 0.261 | 0.259 | 0.255 | 0.260 | 0.262 |
| Average | 0.261 | 0.261 | 0.263 | 0.262 | 0.265 | 0.263 | 0.263 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.262 | 0.264 | 0.266 | 0.263 | 0.272 | 0.268 | 0.265 | 0.270 | 0.264 | 0.271 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

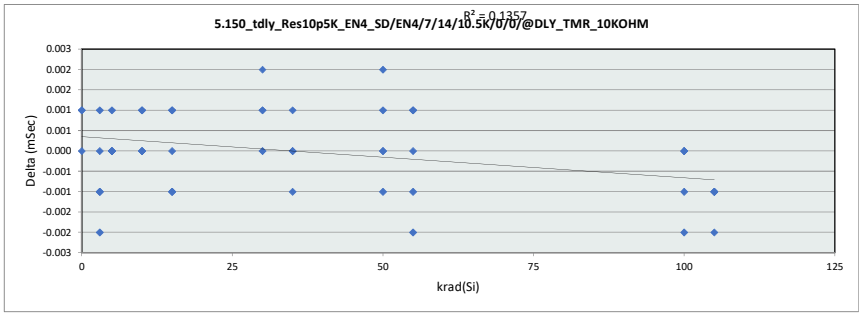


# TID HDR Report
# TPS7H3014-SP

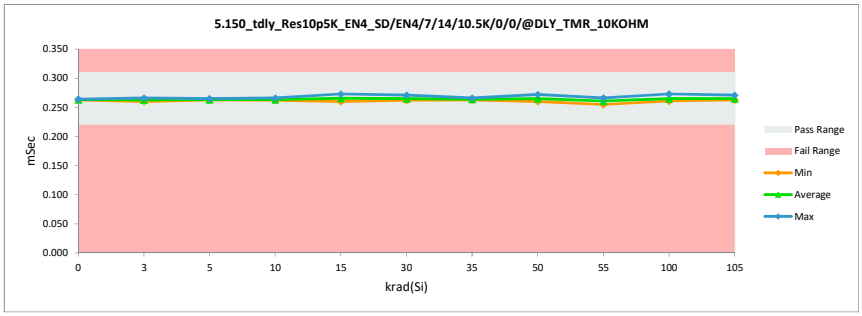
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.150_tdly_Res10p5K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.263 | 0.001 |
| 0 | 14 | 0.263 | 0.263 | 0.000 |
| 0 | 15 | 0.263 | 0.264 | 0.001 |
| 3 | 20 | 0.263 | 0.261 | -0.002 |
| 3 | 21 | 0.265 | 0.265 | 0.000 |
| 3 | 22 | 0.265 | 0.266 | 0.001 |
| 3 | 23 | 0.262 | 0.261 | -0.001 |
| 3 | 24 | 0.261 | 0.260 | -0.001 |
| 5 | 25 | 0.265 | 0.265 | 0.000 |
| 5 | 26 | 0.263 | 0.263 | 0.000 |
| 5 | 27 | 0.263 | 0.263 | 0.000 |
| 5 | 28 | 0.263 | 0.264 | 0.001 |
| 5 | 29 | 0.263 | 0.263 | 0.000 |
| 10 | 30 | 0.262 | 0.262 | 0.000 |
| 10 | 31 | 0.261 | 0.262 | 0.001 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.266 | 0.266 | 0.000 |
| 10 | 34 | 0.264 | 0.264 | 0.000 |
| 15 | 35 | 0.261 | 0.262 | 0.001 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.271 | 0.270 | -0.001 |
| 15 | 38 | 0.272 | 0.273 | 0.001 |
| 15 | 39 | 0.264 | 0.263 | -0.001 |
| 30 | 40 | 0.264 | 0.265 | 0.001 |
| 30 | 41 | 0.262 | 0.262 | 0.000 |
| 30 | 42 | 0.264 | 0.264 | 0.000 |
| 30 | 43 | 0.269 | 0.271 | 0.002 |
| 30 | 44 | 0.262 | 0.263 | 0.001 |
| 35 | 45 | 0.267 | 0.266 | -0.001 |
| 35 | 46 | 0.264 | 0.264 | 0.000 |
| 35 | 47 | 0.263 | 0.263 | 0.000 |
| 35 | 48 | 0.264 | 0.265 | 0.001 |
| 35 | 49 | 0.263 | 0.263 | 0.000 |
| 50 | 50 | 0.265 | 0.264 | -0.001 |
| 50 | 51 | 0.263 | 0.265 | 0.002 |
| 50 | 52 | 0.264 | 0.264 | 0.000 |
| 50 | 53 | 0.271 | 0.272 | 0.001 |
| 50 | 54 | 0.260 | 0.260 | 0.000 |
| 55 | 55 | 0.256 | 0.255 | -0.001 |
| 55 | 56 | 0.265 | 0.266 | 0.001 |
| 55 | 57 | 0.264 | 0.265 | 0.001 |
| 55 | 58 | 0.257 | 0.257 | 0.000 |
| 55 | 59 | 0.264 | 0.262 | -0.002 |
| 100 | 60 | 0.261 | 0.261 | 0.000 |
| 100 | 61 | 0.264 | 0.264 | 0.000 |
| 100 | 62 | 0.275 | 0.273 | -0.002 |
| 100 | 63 | 0.265 | 0.264 | -0.001 |
| 100 | 64 | 0.263 | 0.263 | 0.000 |
| 105 | 65 | 0.264 | 0.263 | -0.001 |
| 105 | 66 | 0.273 | 0.271 | -0.002 |
| 105 | 67 | 0.267 | 0.266 | -0.001 |
| 105 | 68 | 0.265 | 0.264 | -0.001 |
| 105 | 69 | 0.264 | 0.263 | -0.001 |
| | Max | 0.275 | 0.273 | 0.002 |
| | Average | 0.264 | 0.264 | 0.000 |
| | Min | 0.256 | 0.255 | -0.002 |
| | Std Dev | 0.004 | 0.003 | 0.001 |




| | 5.150_tdly_Res10p5K_El | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.263 | 0.260 | 0.263 | 0.262 | 0.260 | 0.262 | 0.263 | 0.260 | 0.255 | 0.261 | 0.263 |
| Average | 0.263 | 0.263 | 0.264 | 0.263 | 0.266 | 0.265 | 0.264 | 0.265 | 0.261 | 0.265 | 0.265 |
| Max | 0.264 | 0.266 | 0.265 | 0.266 | 0.273 | 0.271 | 0.266 | 0.272 | 0.266 | 0.273 | 0.271 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

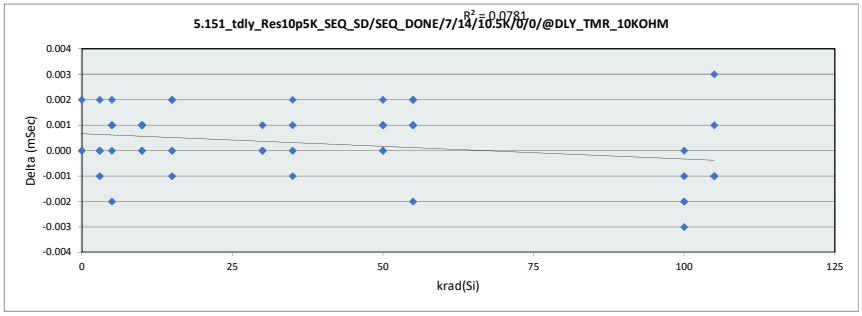


# TID HDR Report
# TPS7H3014-SP

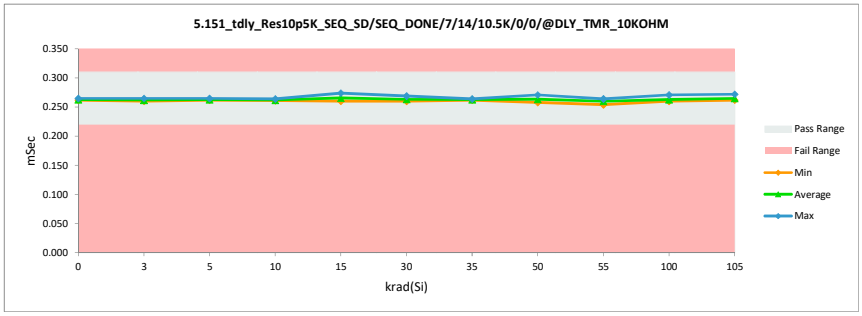
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.151_tdly_Res10p5K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.342 | 0.31 |
| Min Limit | 0.205 | 0.22 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.262 | 0.000 |
| 0 | 14 | 0.262 | 0.262 | 0.000 |
| 0 | 15 | 0.263 | 0.265 | 0.002 |
| 3 | 20 | 0.260 | 0.260 | 0.000 |
| 3 | 21 | 0.264 | 0.264 | 0.000 |
| 3 | 22 | 0.263 | 0.265 | 0.002 |
| 3 | 23 | 0.262 | 0.261 | -0.001 |
| 3 | 24 | 0.260 | 0.260 | 0.000 |
| 5 | 25 | 0.265 | 0.265 | 0.000 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.260 | 0.262 | 0.002 |
| 5 | 28 | 0.264 | 0.262 | -0.002 |
| 5 | 29 | 0.262 | 0.263 | 0.001 |
| 10 | 30 | 0.261 | 0.262 | 0.001 |
| 10 | 31 | 0.260 | 0.261 | 0.001 |
| 10 | 32 | 0.261 | 0.261 | 0.000 |
| 10 | 33 | 0.264 | 0.264 | 0.000 |
| 10 | 34 | 0.261 | 0.262 | 0.001 |
| 15 | 35 | 0.261 | 0.261 | 0.000 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.271 | 0.270 | -0.001 |
| 15 | 38 | 0.272 | 0.274 | 0.002 |
| 15 | 39 | 0.261 | 0.263 | 0.002 |
| 30 | 40 | 0.262 | 0.263 | 0.001 |
| 30 | 41 | 0.260 | 0.260 | 0.000 |
| 30 | 42 | 0.263 | 0.263 | 0.000 |
| 30 | 43 | 0.269 | 0.269 | 0.000 |
| 30 | 44 | 0.261 | 0.261 | 0.000 |
| 35 | 45 | 0.264 | 0.264 | 0.000 |
| 35 | 46 | 0.262 | 0.262 | 0.000 |
| 35 | 47 | 0.262 | 0.263 | 0.001 |
| 35 | 48 | 0.264 | 0.263 | -0.001 |
| 35 | 49 | 0.260 | 0.262 | 0.002 |
| 50 | 50 | 0.263 | 0.263 | 0.000 |
| 50 | 51 | 0.261 | 0.263 | 0.002 |
| 50 | 52 | 0.261 | 0.262 | 0.001 |
| 50 | 53 | 0.270 | 0.271 | 0.001 |
| 50 | 54 | 0.258 | 0.258 | 0.000 |
| 55 | 55 | 0.253 | 0.254 | 0.001 |
| 55 | 56 | 0.265 | 0.263 | -0.002 |
| 55 | 57 | 0.263 | 0.264 | 0.001 |
| 55 | 58 | 0.254 | 0.256 | 0.002 |
| 55 | 59 | 0.261 | 0.263 | 0.002 |
| 100 | 60 | 0.260 | 0.260 | 0.000 |
| 100 | 61 | 0.263 | 0.261 | -0.002 |
| 100 | 62 | 0.273 | 0.271 | -0.002 |
| 100 | 63 | 0.263 | 0.262 | -0.001 |
| 100 | 64 | 0.264 | 0.261 | -0.003 |
| 105 | 65 | 0.263 | 0.262 | -0.001 |
| 105 | 66 | 0.271 | 0.272 | 0.001 |
| 105 | 67 | 0.265 | 0.264 | -0.001 |
| 105 | 68 | 0.263 | 0.262 | -0.001 |
| 105 | 69 | 0.262 | 0.265 | 0.003 |
| | Max | 0.273 | 0.274 | 0.003 |
| | Average | 0.263 | 0.263 | 0.000 |
| | Min | 0.253 | 0.254 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 5.151_tdly_Res10p5K_SI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.31 | mSec | | | | | | | | | |
| Min Limit | 0.22 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 | 0.220 |
| Min | 0.262 | 0.260 | 0.262 | 0.261 | 0.260 | 0.260 | 0.262 | 0.258 | 0.254 | 0.260 | 0.262 |
| Average | 0.263 | 0.262 | 0.263 | 0.262 | 0.266 | 0.263 | 0.263 | 0.263 | 0.260 | 0.263 | 0.265 |
| Max | 0.265 | 0.265 | 0.265 | 0.264 | 0.274 | 0.269 | 0.264 | 0.271 | 0.264 | 0.271 | 0.272 |
| UL | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 | 0.310 |

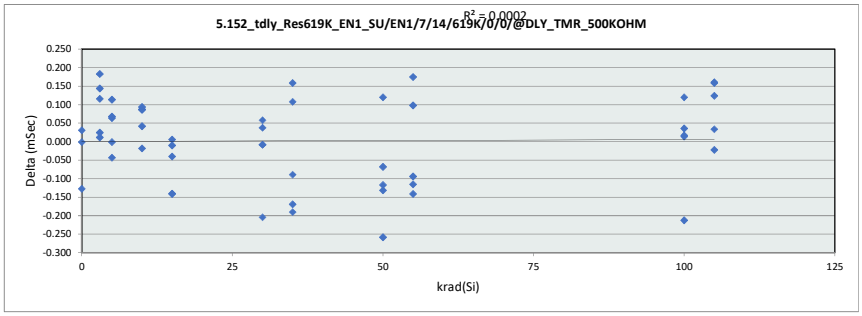


# TID HDR Report
# TPS7H3014-SP

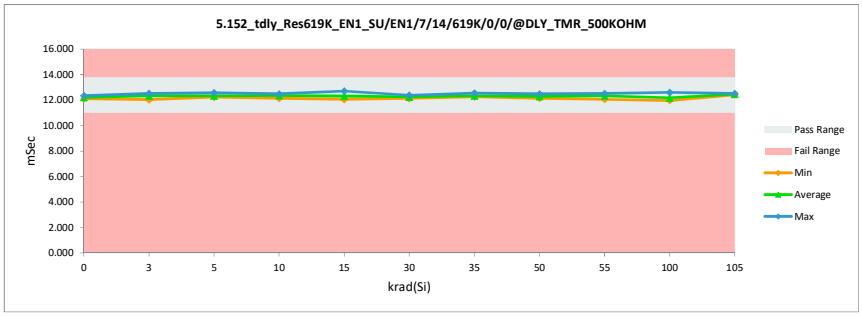
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.152_tdly_Res619K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.317 | 12.348 | 0.031 |
| 0 | 14 | 12.360 | 12.233 | -0.127 |
| 0 | 15 | 12.112 | 12.111 | -0.001 |
| 3 | 20 | 12.285 | 12.468 | 0.183 |
| 3 | 21 | 12.417 | 12.533 | 0.116 |
| 3 | 22 | 12.477 | 12.502 | 0.025 |
| 3 | 23 | 12.040 | 12.184 | 0.144 |
| 3 | 24 | 12.038 | 12.050 | 0.012 |
| 5 | 25 | 12.199 | 12.263 | 0.064 |
| 5 | 26 | 12.574 | 12.573 | -0.001 |
| 5 | 27 | 12.317 | 12.274 | -0.043 |
| 5 | 28 | 12.171 | 12.239 | 0.068 |
| 5 | 29 | 12.180 | 12.294 | 0.114 |
| 10 | 30 | 12.421 | 12.403 | -0.018 |
| 10 | 31 | 12.381 | 12.468 | 0.087 |
| 10 | 32 | 12.213 | 12.307 | 0.094 |
| 10 | 33 | 12.405 | 12.492 | 0.087 |
| 10 | 34 | 12.095 | 12.137 | 0.042 |
| 15 | 35 | 12.212 | 12.072 | -0.140 |
| 15 | 36 | 12.240 | 12.099 | -0.141 |
| 15 | 37 | 12.600 | 12.560 | -0.040 |
| 15 | 38 | 12.723 | 12.713 | -0.010 |
| 15 | 39 | 12.145 | 12.151 | 0.006 |
| 30 | 40 | 12.515 | 12.311 | -0.204 |
| 30 | 41 | 12.244 | 12.282 | 0.038 |
| 30 | 42 | 12.200 | 12.192 | -0.008 |
| 30 | 43 | 12.388 | 12.380 | -0.008 |
| 30 | 44 | 12.073 | 12.131 | 0.058 |
| 35 | 45 | 12.457 | 12.267 | -0.190 |
| 35 | 46 | 12.429 | 12.537 | 0.108 |
| 35 | 47 | 12.141 | 12.300 | 0.159 |
| 35 | 48 | 12.443 | 12.274 | -0.169 |
| 35 | 49 | 12.383 | 12.294 | -0.089 |
| 50 | 50 | 12.491 | 12.374 | -0.117 |
| 50 | 51 | 12.375 | 12.244 | -0.131 |
| 50 | 52 | 12.498 | 12.240 | -0.258 |
| 50 | 53 | 12.556 | 12.488 | -0.068 |
| 50 | 54 | 12.028 | 12.148 | 0.120 |
| 55 | 55 | 11.956 | 12.054 | 0.098 |
| 55 | 56 | 12.495 | 12.354 | -0.141 |
| 55 | 57 | 12.601 | 12.486 | -0.115 |
| 55 | 58 | 12.062 | 12.237 | 0.175 |
| 55 | 59 | 12.616 | 12.522 | -0.094 |
| 100 | 60 | 12.185 | 11.973 | -0.212 |
| 100 | 61 | 12.005 | 12.022 | 0.017 |
| 100 | 62 | 12.485 | 12.605 | 0.120 |
| 100 | 63 | 12.201 | 12.215 | 0.014 |
| 100 | 64 | 12.037 | 12.073 | 0.036 |
| 105 | 65 | 12.390 | 12.424 | 0.034 |
| 105 | 66 | 12.549 | 12.527 | -0.022 |
| 105 | 67 | 12.320 | 12.481 | 0.161 |
| 105 | 68 | 12.273 | 12.432 | 0.159 |
| 105 | 69 | 12.364 | 12.488 | 0.124 |
| | Max | 12.723 | 12.713 | 0.183 |
| | Average | 12.315 | 12.318 | 0.003 |
| | Min | 11.956 | 11.973 | -0.258 |
| | Std Dev | 0.188 | 0.174 | 0.113 |




| | 5.152_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.111 | 12.050 | 12.239 | 12.137 | 12.072 | 12.131 | 12.267 | 12.148 | 12.054 | 11.973 | 12.424 |
| Average | 12.231 | 12.347 | 12.329 | 12.361 | 12.319 | 12.259 | 12.334 | 12.299 | 12.331 | 12.178 | 12.470 |
| Max | 12.348 | 12.533 | 12.573 | 12.492 | 12.713 | 12.380 | 12.537 | 12.488 | 12.522 | 12.605 | 12.527 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

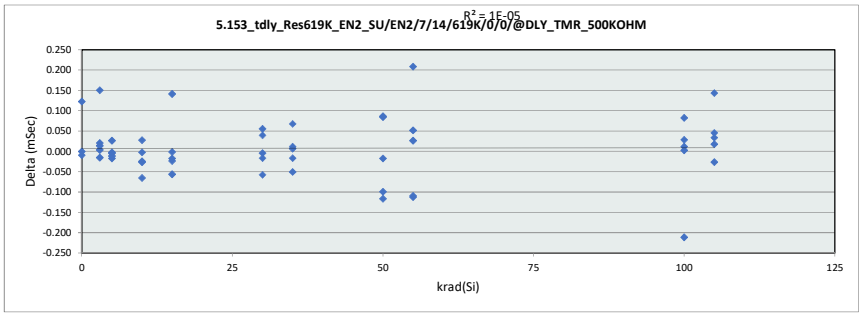


# TID HDR Report
# TPS7H3014-SP

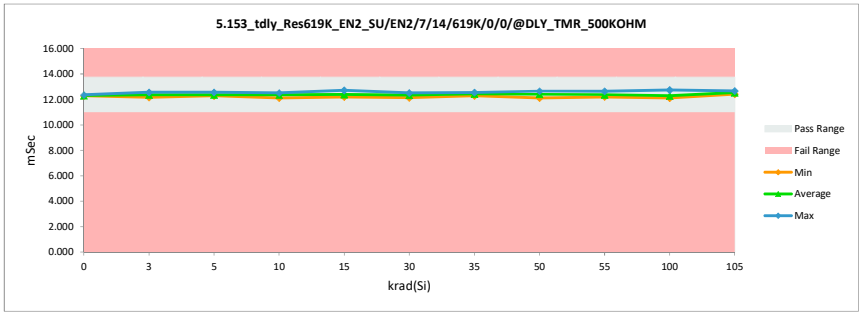
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.153_tdly_Res619K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.211 | 12.334 | 0.123 |
| 0 | 14 | 12.371 | 12.362 | -0.009 |
| 0 | 15 | 12.275 | 12.275 | 0.000 |
| 3 | 20 | 12.447 | 12.468 | 0.021 |
| 3 | 21 | 12.412 | 12.563 | 0.151 |
| 3 | 22 | 12.476 | 12.490 | 0.014 |
| 3 | 23 | 12.179 | 12.164 | -0.015 |
| 3 | 24 | 12.180 | 12.184 | 0.004 |
| 5 | 25 | 12.359 | 12.386 | 0.027 |
| 5 | 26 | 12.575 | 12.571 | -0.004 |
| 5 | 27 | 12.296 | 12.285 | -0.011 |
| 5 | 28 | 12.311 | 12.309 | -0.002 |
| 5 | 29 | 12.322 | 12.305 | -0.017 |
| 10 | 30 | 12.404 | 12.402 | -0.002 |
| 10 | 31 | 12.542 | 12.477 | -0.065 |
| 10 | 32 | 12.342 | 12.318 | -0.024 |
| 10 | 33 | 12.544 | 12.518 | -0.026 |
| 10 | 34 | 12.093 | 12.121 | 0.028 |
| 15 | 35 | 12.226 | 12.203 | -0.023 |
| 15 | 36 | 12.241 | 12.224 | -0.017 |
| 15 | 37 | 12.617 | 12.561 | -0.056 |
| 15 | 38 | 12.724 | 12.723 | -0.001 |
| 15 | 39 | 12.159 | 12.301 | 0.142 |
| 30 | 40 | 12.534 | 12.477 | -0.057 |
| 30 | 41 | 12.240 | 12.280 | 0.040 |
| 30 | 42 | 12.349 | 12.345 | -0.004 |
| 30 | 43 | 12.525 | 12.509 | -0.016 |
| 30 | 44 | 12.084 | 12.140 | 0.056 |
| 35 | 45 | 12.415 | 12.399 | -0.016 |
| 35 | 46 | 12.608 | 12.558 | -0.050 |
| 35 | 47 | 12.288 | 12.295 | 0.007 |
| 35 | 48 | 12.429 | 12.441 | 0.012 |
| 35 | 49 | 12.389 | 12.457 | 0.068 |
| 50 | 50 | 12.650 | 12.534 | -0.116 |
| 50 | 51 | 12.385 | 12.368 | -0.017 |
| 50 | 52 | 12.489 | 12.390 | -0.099 |
| 50 | 53 | 12.574 | 12.661 | 0.087 |
| 50 | 54 | 12.041 | 12.126 | 0.085 |
| 55 | 55 | 11.993 | 12.202 | 0.209 |
| 55 | 56 | 12.478 | 12.366 | -0.112 |
| 55 | 57 | 12.592 | 12.644 | 0.052 |
| 55 | 58 | 12.206 | 12.233 | 0.027 |
| 55 | 59 | 12.599 | 12.490 | -0.109 |
| 100 | 60 | 12.332 | 12.121 | -0.211 |
| 100 | 61 | 12.156 | 12.185 | 0.029 |
| 100 | 62 | 12.666 | 12.749 | 0.083 |
| 100 | 63 | 12.217 | 12.220 | 0.003 |
| 100 | 64 | 12.178 | 12.190 | 0.012 |
| 105 | 65 | 12.400 | 12.418 | 0.018 |
| 105 | 66 | 12.701 | 12.675 | -0.026 |
| 105 | 67 | 12.477 | 12.511 | 0.034 |
| 105 | 68 | 12.392 | 12.438 | 0.046 |
| 105 | 69 | 12.511 | 12.655 | 0.144 |
| | Max | 12.724 | 12.749 | 0.209 |
| | Average | 12.381 | 12.389 | 0.008 |
| | Min | 11.993 | 12.121 | -0.211 |
| | Std Dev | 0.179 | 0.167 | 0.072 |




| | 5.153_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.275 | 12.164 | 12.285 | 12.121 | 12.203 | 12.140 | 12.295 | 12.126 | 12.202 | 12.121 | 12.418 |
| Average | 12.324 | 12.374 | 12.371 | 12.367 | 12.402 | 12.350 | 12.430 | 12.416 | 12.387 | 12.293 | 12.539 |
| Max | 12.362 | 12.563 | 12.571 | 12.518 | 12.723 | 12.509 | 12.558 | 12.661 | 12.644 | 12.749 | 12.675 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

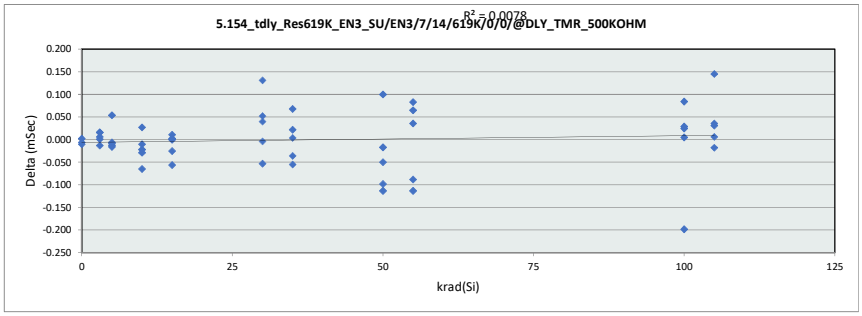


# TID HDR Report
# TPS7H3014-SP

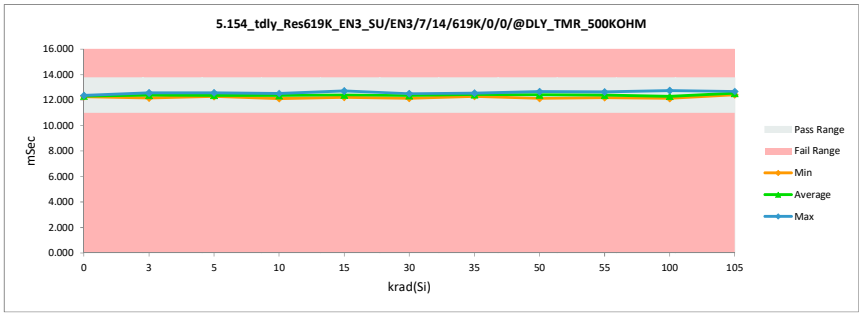
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.154_tdly_Res619K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.346 | 12.340 | -0.006 |
| 0 | 14 | 12.376 | 12.366 | -0.010 |
| 0 | 15 | 12.276 | 12.278 | 0.002 |
| 3 | 20 | 12.455 | 12.471 | 0.016 |
| 3 | 21 | 12.562 | 12.563 | 0.001 |
| 3 | 22 | 12.478 | 12.494 | 0.016 |
| 3 | 23 | 12.180 | 12.167 | -0.013 |
| 3 | 24 | 12.180 | 12.186 | 0.006 |
| 5 | 25 | 12.336 | 12.390 | 0.054 |
| 5 | 26 | 12.578 | 12.572 | -0.006 |
| 5 | 27 | 12.300 | 12.287 | -0.013 |
| 5 | 28 | 12.318 | 12.309 | -0.009 |
| 5 | 29 | 12.325 | 12.309 | -0.016 |
| 10 | 30 | 12.414 | 12.404 | -0.010 |
| 10 | 31 | 12.545 | 12.480 | -0.065 |
| 10 | 32 | 12.343 | 12.321 | -0.022 |
| 10 | 33 | 12.550 | 12.521 | -0.029 |
| 10 | 34 | 12.094 | 12.121 | 0.027 |
| 15 | 35 | 12.223 | 12.223 | 0.000 |
| 15 | 36 | 12.214 | 12.225 | 0.011 |
| 15 | 37 | 12.618 | 12.562 | -0.056 |
| 15 | 38 | 12.749 | 12.724 | -0.025 |
| 15 | 39 | 12.299 | 12.301 | 0.002 |
| 30 | 40 | 12.535 | 12.482 | -0.053 |
| 30 | 41 | 12.243 | 12.283 | 0.040 |
| 30 | 42 | 12.351 | 12.347 | -0.004 |
| 30 | 43 | 12.379 | 12.510 | 0.131 |
| 30 | 44 | 12.089 | 12.141 | 0.052 |
| 35 | 45 | 12.442 | 12.406 | -0.036 |
| 35 | 46 | 12.610 | 12.555 | -0.055 |
| 35 | 47 | 12.300 | 12.304 | 0.004 |
| 35 | 48 | 12.420 | 12.442 | 0.022 |
| 35 | 49 | 12.389 | 12.457 | 0.068 |
| 50 | 50 | 12.652 | 12.539 | -0.113 |
| 50 | 51 | 12.390 | 12.373 | -0.017 |
| 50 | 52 | 12.491 | 12.393 | -0.098 |
| 50 | 53 | 12.713 | 12.663 | -0.050 |
| 50 | 54 | 12.027 | 12.127 | 0.100 |
| 55 | 55 | 12.120 | 12.203 | 0.083 |
| 55 | 56 | 12.481 | 12.368 | -0.113 |
| 55 | 57 | 12.579 | 12.644 | 0.065 |
| 55 | 58 | 12.208 | 12.244 | 0.036 |
| 55 | 59 | 12.604 | 12.516 | -0.088 |
| 100 | 60 | 12.333 | 12.135 | -0.198 |
| 100 | 61 | 12.159 | 12.188 | 0.029 |
| 100 | 62 | 12.669 | 12.753 | 0.084 |
| 100 | 63 | 12.218 | 12.223 | 0.005 |
| 100 | 64 | 12.178 | 12.203 | 0.025 |
| 105 | 65 | 12.414 | 12.420 | 0.006 |
| 105 | 66 | 12.696 | 12.678 | -0.018 |
| 105 | 67 | 12.481 | 12.512 | 0.031 |
| 105 | 68 | 12.405 | 12.441 | 0.036 |
| 105 | 69 | 12.512 | 12.657 | 0.145 |
| | Max | 12.749 | 12.753 | 0.145 |
| | Average | 12.393 | 12.393 | 0.000 |
| | Min | 12.027 | 12.121 | -0.198 |
| | Std Dev | 0.177 | 0.166 | 0.060 |




| | 5.154_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.278 | 12.167 | 12.287 | 12.121 | 12.223 | 12.141 | 12.304 | 12.127 | 12.203 | 12.135 | 12.420 |
| Average | 12.328 | 12.376 | 12.373 | 12.369 | 12.407 | 12.353 | 12.433 | 12.419 | 12.395 | 12.300 | 12.542 |
| Max | 12.366 | 12.563 | 12.572 | 12.521 | 12.724 | 12.510 | 12.555 | 12.663 | 12.644 | 12.753 | 12.678 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

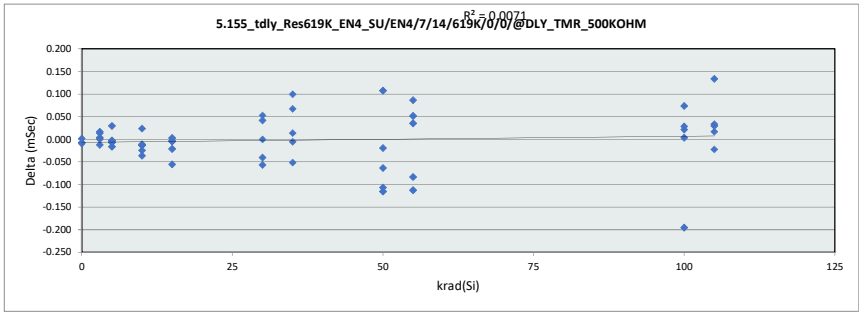


# TID HDR Report
# TPS7H3014-SP

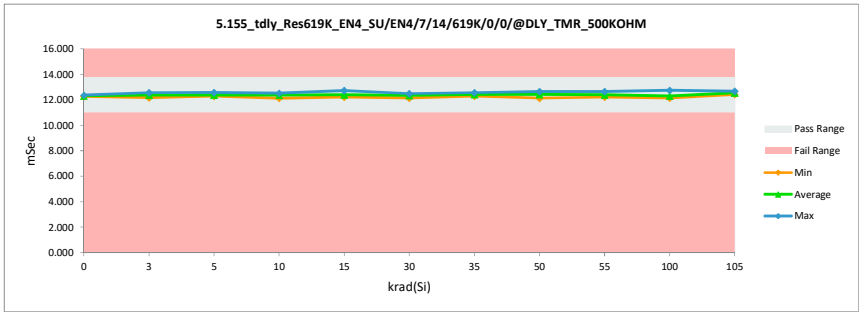
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.155_tdly_Res619K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.347 | 12.340 | -0.007 |
| 0 | 14 | 12.375 | 12.366 | -0.009 |
| 0 | 15 | 12.277 | 12.279 | 0.002 |
| 3 | 20 | 12.457 | 12.474 | 0.017 |
| 3 | 21 | 12.563 | 12.564 | 0.001 |
| 3 | 22 | 12.478 | 12.492 | 0.014 |
| 3 | 23 | 12.183 | 12.171 | -0.012 |
| 3 | 24 | 12.183 | 12.187 | 0.004 |
| 5 | 25 | 12.362 | 12.392 | 0.030 |
| 5 | 26 | 12.577 | 12.574 | -0.003 |
| 5 | 27 | 12.291 | 12.289 | -0.002 |
| 5 | 28 | 12.319 | 12.312 | -0.007 |
| 5 | 29 | 12.325 | 12.309 | -0.016 |
| 10 | 30 | 12.415 | 12.404 | -0.011 |
| 10 | 31 | 12.519 | 12.483 | -0.036 |
| 10 | 32 | 12.347 | 12.323 | -0.024 |
| 10 | 33 | 12.536 | 12.523 | -0.013 |
| 10 | 34 | 12.098 | 12.122 | 0.024 |
| 15 | 35 | 12.226 | 12.222 | -0.004 |
| 15 | 36 | 12.232 | 12.228 | -0.004 |
| 15 | 37 | 12.621 | 12.566 | -0.055 |
| 15 | 38 | 12.749 | 12.728 | -0.021 |
| 15 | 39 | 12.300 | 12.303 | 0.003 |
| 30 | 40 | 12.539 | 12.483 | -0.056 |
| 30 | 41 | 12.242 | 12.284 | 0.042 |
| 30 | 42 | 12.352 | 12.352 | 0.000 |
| 30 | 43 | 12.528 | 12.488 | -0.040 |
| 30 | 44 | 12.090 | 12.143 | 0.053 |
| 35 | 45 | 12.308 | 12.408 | 0.100 |
| 35 | 46 | 12.611 | 12.560 | -0.051 |
| 35 | 47 | 12.303 | 12.298 | -0.005 |
| 35 | 48 | 12.430 | 12.444 | 0.014 |
| 35 | 49 | 12.391 | 12.459 | 0.068 |
| 50 | 50 | 12.655 | 12.540 | -0.115 |
| 50 | 51 | 12.392 | 12.373 | -0.019 |
| 50 | 52 | 12.492 | 12.386 | -0.106 |
| 50 | 53 | 12.714 | 12.651 | -0.063 |
| 50 | 54 | 12.022 | 12.130 | 0.108 |
| 55 | 55 | 12.118 | 12.205 | 0.087 |
| 55 | 56 | 12.482 | 12.370 | -0.112 |
| 55 | 57 | 12.594 | 12.646 | 0.052 |
| 55 | 58 | 12.209 | 12.245 | 0.036 |
| 55 | 59 | 12.604 | 12.521 | -0.083 |
| 100 | 60 | 12.333 | 12.138 | -0.195 |
| 100 | 61 | 12.162 | 12.191 | 0.029 |
| 100 | 62 | 12.670 | 12.744 | 0.074 |
| 100 | 63 | 12.220 | 12.224 | 0.004 |
| 100 | 64 | 12.181 | 12.203 | 0.022 |
| 105 | 65 | 12.404 | 12.421 | 0.017 |
| 105 | 66 | 12.703 | 12.681 | -0.022 |
| 105 | 67 | 12.484 | 12.514 | 0.030 |
| 105 | 68 | 12.408 | 12.442 | 0.034 |
| 105 | 69 | 12.514 | 12.648 | 0.134 |
| | Max | 12.749 | 12.744 | 0.134 |
| | Average | 12.395 | 12.393 | -0.002 |
| | Min | 12.022 | 12.122 | -0.195 |
| | Std Dev | 0.177 | 0.165 | 0.057 |




| | 5.155_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.279 | 12.171 | 12.289 | 12.122 | 12.222 | 12.143 | 12.298 | 12.130 | 12.205 | 12.138 | 12.421 |
| Average | 12.328 | 12.378 | 12.375 | 12.371 | 12.409 | 12.350 | 12.434 | 12.416 | 12.397 | 12.300 | 12.541 |
| Max | 12.366 | 12.564 | 12.574 | 12.523 | 12.728 | 12.488 | 12.560 | 12.651 | 12.646 | 12.744 | 12.681 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

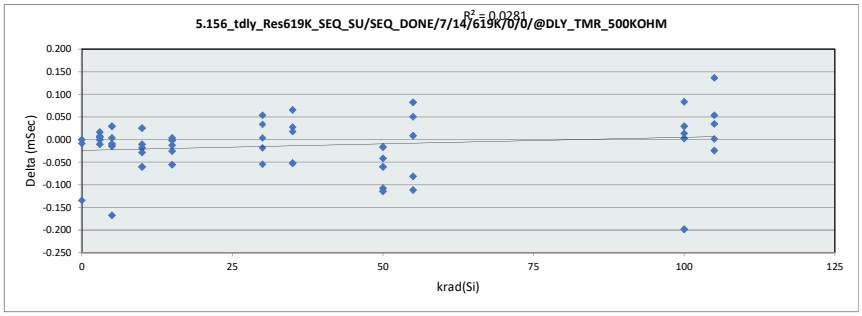


# TID HDR Report
# TPS7H3014-SP

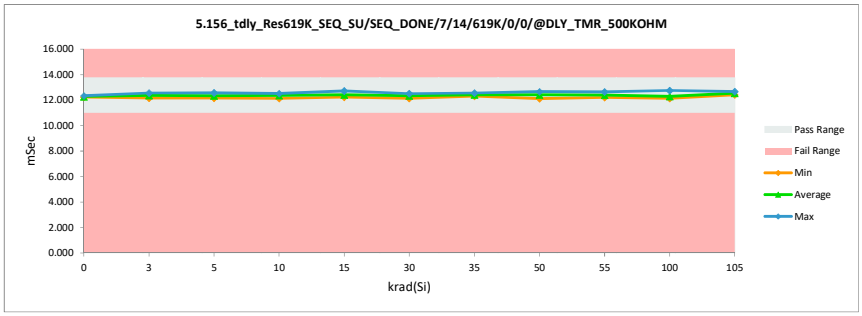
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.156_tdly_Res619K_SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.350 | 12.342 | -0.008 |
| 0 | 14 | 12.377 | 12.243 | -0.134 |
| 0 | 15 | 12.279 | 12.279 | 0.000 |
| 3 | 20 | 12.456 | 12.473 | 0.017 |
| 3 | 21 | 12.564 | 12.564 | 0.000 |
| 3 | 22 | 12.481 | 12.489 | 0.008 |
| 3 | 23 | 12.181 | 12.171 | -0.010 |
| 3 | 24 | 12.183 | 12.189 | 0.006 |
| 5 | 25 | 12.361 | 12.391 | 0.030 |
| 5 | 26 | 12.572 | 12.576 | 0.004 |
| 5 | 27 | 12.303 | 12.289 | -0.014 |
| 5 | 28 | 12.321 | 12.312 | -0.009 |
| 5 | 29 | 12.327 | 12.160 | -0.167 |
| 10 | 30 | 12.415 | 12.397 | -0.018 |
| 10 | 31 | 12.545 | 12.485 | -0.060 |
| 10 | 32 | 12.335 | 12.325 | -0.010 |
| 10 | 33 | 12.551 | 12.523 | -0.028 |
| 10 | 34 | 12.099 | 12.125 | 0.026 |
| 15 | 35 | 12.222 | 12.226 | 0.004 |
| 15 | 36 | 12.242 | 12.230 | -0.012 |
| 15 | 37 | 12.620 | 12.565 | -0.055 |
| 15 | 38 | 12.751 | 12.726 | -0.025 |
| 15 | 39 | 12.301 | 12.300 | -0.001 |
| 30 | 40 | 12.538 | 12.484 | -0.054 |
| 30 | 41 | 12.244 | 12.278 | 0.034 |
| 30 | 42 | 12.349 | 12.353 | 0.004 |
| 30 | 43 | 12.531 | 12.513 | -0.018 |
| 30 | 44 | 12.091 | 12.145 | 0.054 |
| 35 | 45 | 12.443 | 12.391 | -0.052 |
| 35 | 46 | 12.610 | 12.559 | -0.051 |
| 35 | 47 | 12.278 | 12.306 | 0.028 |
| 35 | 48 | 12.429 | 12.447 | 0.018 |
| 35 | 49 | 12.391 | 12.457 | 0.066 |
| 50 | 50 | 12.655 | 12.541 | -0.114 |
| 50 | 51 | 12.391 | 12.375 | -0.016 |
| 50 | 52 | 12.490 | 12.383 | -0.107 |
| 50 | 53 | 12.717 | 12.657 | -0.060 |
| 50 | 54 | 12.162 | 12.121 | -0.041 |
| 55 | 55 | 12.124 | 12.207 | 0.083 |
| 55 | 56 | 12.482 | 12.371 | -0.111 |
| 55 | 57 | 12.596 | 12.647 | 0.051 |
| 55 | 58 | 12.211 | 12.220 | 0.009 |
| 55 | 59 | 12.605 | 12.524 | -0.081 |
| 100 | 60 | 12.335 | 12.137 | -0.198 |
| 100 | 61 | 12.161 | 12.191 | 0.030 |
| 100 | 62 | 12.672 | 12.756 | 0.084 |
| 100 | 63 | 12.221 | 12.224 | 0.003 |
| 100 | 64 | 12.179 | 12.193 | 0.014 |
| 105 | 65 | 12.419 | 12.421 | 0.002 |
| 105 | 66 | 12.705 | 12.681 | -0.024 |
| 105 | 67 | 12.461 | 12.515 | 0.054 |
| 105 | 68 | 12.408 | 12.443 | 0.035 |
| 105 | 69 | 12.514 | 12.651 | 0.137 |
| | Max | 12.751 | 12.756 | 0.137 |
| | Average | 12.401 | 12.388 | -0.013 |
| | Min | 12.091 | 12.121 | -0.198 |
| | Std Dev | 0.173 | 0.170 | 0.061 |




| | 5.156_tdly_Res619K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.243 | 12.171 | 12.160 | 12.125 | 12.226 | 12.145 | 12.306 | 12.121 | 12.207 | 12.137 | 12.421 |
| Average | 12.288 | 12.377 | 12.346 | 12.371 | 12.409 | 12.355 | 12.432 | 12.415 | 12.394 | 12.300 | 12.542 |
| Max | 12.342 | 12.564 | 12.576 | 12.523 | 12.726 | 12.513 | 12.559 | 12.657 | 12.647 | 12.756 | 12.681 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

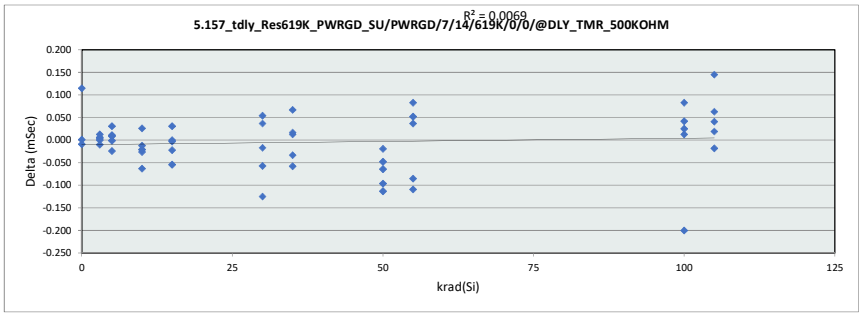


# TID HDR Report
# TPS7H3014-SP

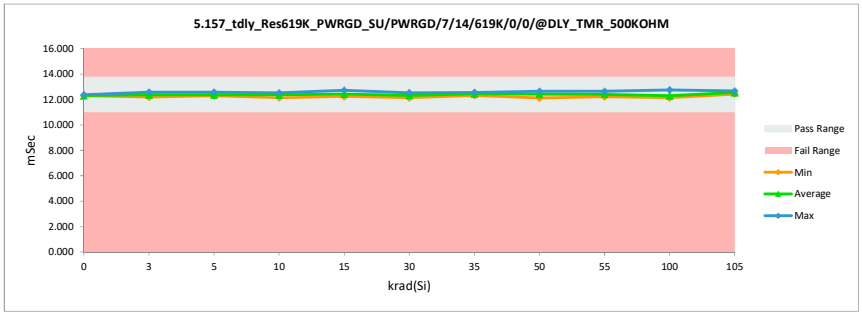
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.157_tdly_Res619K_PWR | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.212 | 12.327 | 0.115 |
| 0 | 14 | 12.377 | 12.368 | -0.009 |
| 0 | 15 | 12.279 | 12.280 | 0.001 |
| 3 | 20 | 12.458 | 12.464 | 0.006 |
| 3 | 21 | 12.564 | 12.567 | 0.003 |
| 3 | 22 | 12.480 | 12.493 | 0.013 |
| 3 | 23 | 12.183 | 12.173 | -0.010 |
| 3 | 24 | 12.184 | 12.184 | 0.000 |
| 5 | 25 | 12.363 | 12.394 | 0.031 |
| 5 | 26 | 12.578 | 12.577 | -0.001 |
| 5 | 27 | 12.302 | 12.278 | -0.024 |
| 5 | 28 | 12.307 | 12.316 | 0.009 |
| 5 | 29 | 12.296 | 12.307 | 0.011 |
| 10 | 30 | 12.418 | 12.406 | -0.012 |
| 10 | 31 | 12.548 | 12.485 | -0.063 |
| 10 | 32 | 12.347 | 12.326 | -0.021 |
| 10 | 33 | 12.550 | 12.524 | -0.026 |
| 10 | 34 | 12.095 | 12.121 | 0.026 |
| 15 | 35 | 12.228 | 12.228 | 0.000 |
| 15 | 36 | 12.233 | 12.230 | -0.003 |
| 15 | 37 | 12.621 | 12.567 | -0.054 |
| 15 | 38 | 12.751 | 12.729 | -0.022 |
| 15 | 39 | 12.275 | 12.306 | 0.031 |
| 30 | 40 | 12.540 | 12.483 | -0.057 |
| 30 | 41 | 12.243 | 12.280 | 0.037 |
| 30 | 42 | 12.349 | 12.224 | -0.125 |
| 30 | 43 | 12.531 | 12.514 | -0.017 |
| 30 | 44 | 12.092 | 12.146 | 0.054 |
| 35 | 45 | 12.441 | 12.408 | -0.033 |
| 35 | 46 | 12.612 | 12.554 | -0.058 |
| 35 | 47 | 12.290 | 12.307 | 0.017 |
| 35 | 48 | 12.432 | 12.445 | 0.013 |
| 35 | 49 | 12.394 | 12.461 | 0.067 |
| 50 | 50 | 12.657 | 12.544 | -0.113 |
| 50 | 51 | 12.392 | 12.373 | -0.019 |
| 50 | 52 | 12.482 | 12.386 | -0.096 |
| 50 | 53 | 12.717 | 12.653 | -0.064 |
| 50 | 54 | 12.164 | 12.116 | -0.048 |
| 55 | 55 | 12.124 | 12.207 | 0.083 |
| 55 | 56 | 12.482 | 12.373 | -0.109 |
| 55 | 57 | 12.596 | 12.648 | 0.052 |
| 55 | 58 | 12.210 | 12.247 | 0.037 |
| 55 | 59 | 12.606 | 12.521 | -0.085 |
| 100 | 60 | 12.333 | 12.133 | -0.200 |
| 100 | 61 | 12.151 | 12.193 | 0.042 |
| 100 | 62 | 12.671 | 12.754 | 0.083 |
| 100 | 63 | 12.214 | 12.227 | 0.013 |
| 100 | 64 | 12.180 | 12.205 | 0.025 |
| 105 | 65 | 12.405 | 12.424 | 0.019 |
| 105 | 66 | 12.700 | 12.682 | -0.018 |
| 105 | 67 | 12.476 | 12.517 | 0.041 |
| 105 | 68 | 12.380 | 12.443 | 0.063 |
| 105 | 69 | 12.515 | 12.660 | 0.145 |
| | Max | 12.751 | 12.754 | 0.145 |
| | Average | 12.397 | 12.392 | -0.005 |
| | Min | 12.092 | 12.116 | -0.200 |
| | Std Dev | 0.176 | 0.168 | 0.061 |




| | 5.157_tdly_Res619K_PW | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.280 | 12.173 | 12.278 | 12.121 | 12.228 | 12.146 | 12.307 | 12.116 | 12.207 | 12.133 | 12.424 |
| Average | 12.325 | 12.376 | 12.374 | 12.372 | 12.412 | 12.329 | 12.435 | 12.414 | 12.399 | 12.302 | 12.545 |
| Max | 12.368 | 12.567 | 12.577 | 12.524 | 12.729 | 12.514 | 12.554 | 12.653 | 12.648 | 12.754 | 12.682 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

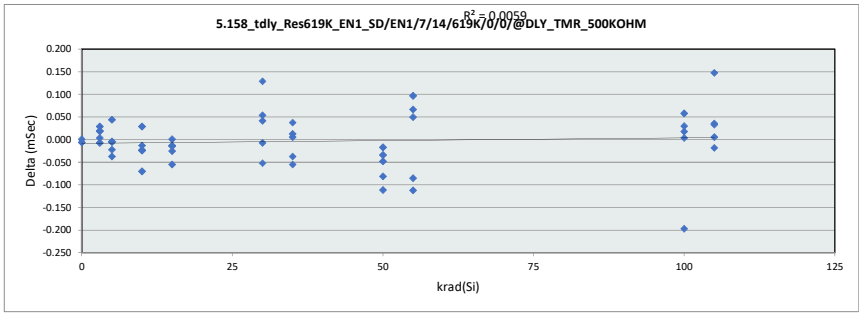


# TID HDR Report
# TPS7H3014-SP

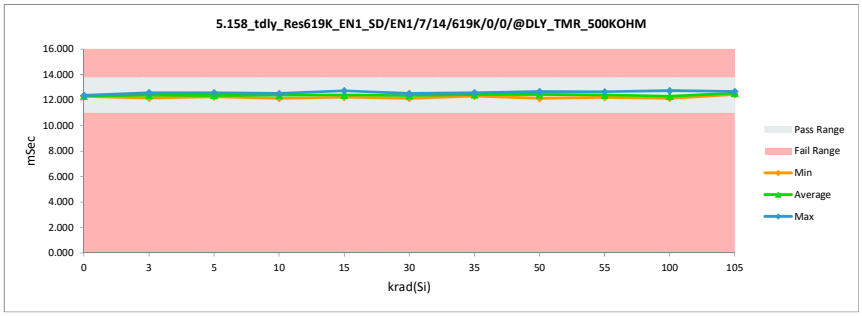
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.158_tdly_Res619K_EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.358 | 12.352 | -0.006 |
| 0 | 14 | 12.384 | 12.378 | -0.006 |
| 0 | 15 | 12.287 | 12.288 | 0.001 |
| 3 | 20 | 12.464 | 12.483 | 0.019 |
| 3 | 21 | 12.570 | 12.574 | 0.004 |
| 3 | 22 | 12.468 | 12.497 | 0.029 |
| 3 | 23 | 12.189 | 12.182 | -0.007 |
| 3 | 24 | 12.178 | 12.197 | 0.019 |
| 5 | 25 | 12.358 | 12.402 | 0.044 |
| 5 | 26 | 12.587 | 12.583 | -0.004 |
| 5 | 27 | 12.310 | 12.273 | -0.037 |
| 5 | 28 | 12.328 | 12.323 | -0.005 |
| 5 | 29 | 12.333 | 12.311 | -0.022 |
| 10 | 30 | 12.427 | 12.414 | -0.013 |
| 10 | 31 | 12.553 | 12.483 | -0.070 |
| 10 | 32 | 12.356 | 12.333 | -0.023 |
| 10 | 33 | 12.557 | 12.533 | -0.024 |
| 10 | 34 | 12.105 | 12.134 | 0.029 |
| 15 | 35 | 12.238 | 12.225 | -0.013 |
| 15 | 36 | 12.253 | 12.239 | -0.014 |
| 15 | 37 | 12.629 | 12.574 | -0.055 |
| 15 | 38 | 12.761 | 12.736 | -0.025 |
| 15 | 39 | 12.310 | 12.311 | 0.001 |
| 30 | 40 | 12.546 | 12.494 | -0.052 |
| 30 | 41 | 12.251 | 12.293 | 0.042 |
| 30 | 42 | 12.361 | 12.354 | -0.007 |
| 30 | 43 | 12.393 | 12.522 | 0.129 |
| 30 | 44 | 12.099 | 12.153 | 0.054 |
| 35 | 45 | 12.452 | 12.415 | -0.037 |
| 35 | 46 | 12.621 | 12.566 | -0.055 |
| 35 | 47 | 12.312 | 12.318 | 0.006 |
| 35 | 48 | 12.439 | 12.452 | 0.013 |
| 35 | 49 | 12.398 | 12.436 | 0.038 |
| 50 | 50 | 12.661 | 12.550 | -0.111 |
| 50 | 51 | 12.400 | 12.383 | -0.017 |
| 50 | 52 | 12.487 | 12.406 | -0.081 |
| 50 | 53 | 12.725 | 12.677 | -0.048 |
| 50 | 54 | 12.173 | 12.139 | -0.034 |
| 55 | 55 | 12.118 | 12.215 | 0.097 |
| 55 | 56 | 12.491 | 12.379 | -0.112 |
| 55 | 57 | 12.605 | 12.655 | 0.050 |
| 55 | 58 | 12.188 | 12.255 | 0.067 |
| 55 | 59 | 12.614 | 12.529 | -0.085 |
| 100 | 60 | 12.343 | 12.146 | -0.197 |
| 100 | 61 | 12.171 | 12.201 | 0.030 |
| 100 | 62 | 12.682 | 12.740 | 0.058 |
| 100 | 63 | 12.230 | 12.234 | 0.004 |
| 100 | 64 | 12.189 | 12.207 | 0.018 |
| 105 | 65 | 12.427 | 12.433 | 0.006 |
| 105 | 66 | 12.708 | 12.690 | -0.018 |
| 105 | 67 | 12.491 | 12.524 | 0.033 |
| 105 | 68 | 12.415 | 12.451 | 0.036 |
| 105 | 69 | 12.523 | 12.671 | 0.148 |
| | Max | 12.761 | 12.740 | 0.148 |
| | Average | 12.406 | 12.402 | -0.004 |
| | Min | 12.099 | 12.134 | -0.197 |
| | Std Dev | 0.173 | 0.166 | 0.058 |




| | 5.158_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.288 | 12.182 | 12.273 | 12.134 | 12.225 | 12.153 | 12.318 | 12.139 | 12.215 | 12.146 | 12.433 |
| Average | 12.339 | 12.387 | 12.378 | 12.379 | 12.417 | 12.363 | 12.437 | 12.431 | 12.407 | 12.306 | 12.554 |
| Max | 12.378 | 12.574 | 12.583 | 12.533 | 12.736 | 12.522 | 12.566 | 12.677 | 12.655 | 12.740 | 12.690 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

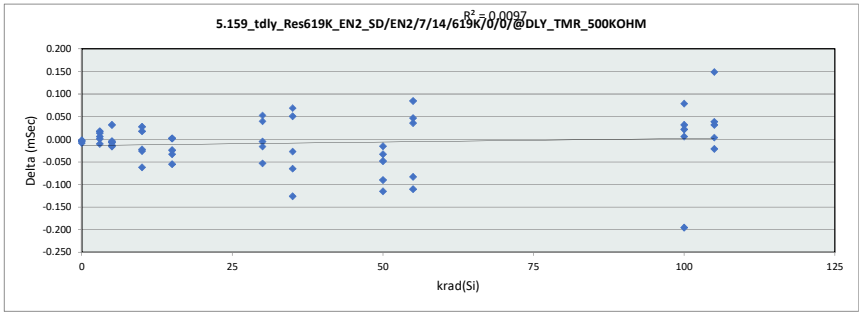


# TID HDR Report
# TPS7H3014-SP

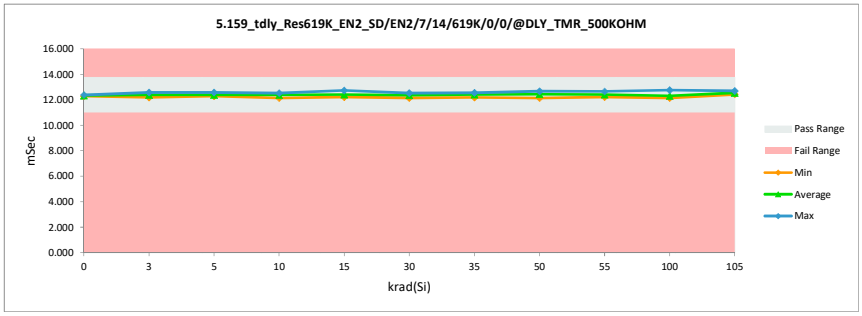
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.159_tdly_Res619K_EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.356 | 12.352 | -0.004 |
| 0 | 14 | 12.385 | 12.377 | -0.008 |
| 0 | 15 | 12.289 | 12.287 | -0.002 |
| 3 | 20 | 12.465 | 12.483 | 0.018 |
| 3 | 21 | 12.572 | 12.573 | 0.001 |
| 3 | 22 | 12.488 | 12.502 | 0.014 |
| 3 | 23 | 12.191 | 12.181 | -0.010 |
| 3 | 24 | 12.191 | 12.197 | 0.006 |
| 5 | 25 | 12.370 | 12.402 | 0.032 |
| 5 | 26 | 12.588 | 12.581 | -0.007 |
| 5 | 27 | 12.310 | 12.294 | -0.016 |
| 5 | 28 | 12.329 | 12.325 | -0.004 |
| 5 | 29 | 12.333 | 12.320 | -0.013 |
| 10 | 30 | 12.397 | 12.415 | 0.018 |
| 10 | 31 | 12.555 | 12.493 | -0.062 |
| 10 | 32 | 12.354 | 12.332 | -0.022 |
| 10 | 33 | 12.558 | 12.532 | -0.026 |
| 10 | 34 | 12.107 | 12.135 | 0.028 |
| 15 | 35 | 12.237 | 12.239 | 0.002 |
| 15 | 36 | 12.250 | 12.217 | -0.033 |
| 15 | 37 | 12.629 | 12.574 | -0.055 |
| 15 | 38 | 12.759 | 12.735 | -0.024 |
| 15 | 39 | 12.310 | 12.312 | 0.002 |
| 30 | 40 | 12.546 | 12.493 | -0.053 |
| 30 | 41 | 12.252 | 12.292 | 0.040 |
| 30 | 42 | 12.361 | 12.356 | -0.005 |
| 30 | 43 | 12.537 | 12.521 | -0.016 |
| 30 | 44 | 12.100 | 12.153 | 0.053 |
| 35 | 45 | 12.424 | 12.397 | -0.027 |
| 35 | 46 | 12.621 | 12.556 | -0.065 |
| 35 | 47 | 12.312 | 12.186 | -0.126 |
| 35 | 48 | 12.400 | 12.451 | 0.051 |
| 35 | 49 | 12.400 | 12.469 | 0.069 |
| 50 | 50 | 12.664 | 12.549 | -0.115 |
| 50 | 51 | 12.398 | 12.383 | -0.015 |
| 50 | 52 | 12.499 | 12.409 | -0.090 |
| 50 | 53 | 12.723 | 12.675 | -0.048 |
| 50 | 54 | 12.171 | 12.138 | -0.033 |
| 55 | 55 | 12.130 | 12.215 | 0.085 |
| 55 | 56 | 12.491 | 12.381 | -0.110 |
| 55 | 57 | 12.606 | 12.653 | 0.047 |
| 55 | 58 | 12.219 | 12.255 | 0.036 |
| 55 | 59 | 12.615 | 12.532 | -0.083 |
| 100 | 60 | 12.343 | 12.148 | -0.195 |
| 100 | 61 | 12.169 | 12.201 | 0.032 |
| 100 | 62 | 12.682 | 12.761 | 0.079 |
| 100 | 63 | 12.228 | 12.234 | 0.006 |
| 100 | 64 | 12.189 | 12.211 | 0.022 |
| 105 | 65 | 12.426 | 12.430 | 0.004 |
| 105 | 66 | 12.712 | 12.691 | -0.021 |
| 105 | 67 | 12.493 | 12.525 | 0.032 |
| 105 | 68 | 12.414 | 12.453 | 0.039 |
| 105 | 69 | 12.522 | 12.671 | 0.149 |
| | Max | 12.759 | 12.761 | 0.149 |
| | Average | 12.409 | 12.401 | -0.008 |
| | Min | 12.100 | 12.135 | -0.195 |
| | Std Dev | 0.173 | 0.168 | 0.057 |




| | 5.159_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.287 | 12.181 | 12.294 | 12.135 | 12.217 | 12.153 | 12.186 | 12.138 | 12.215 | 12.148 | 12.430 |
| Average | 12.339 | 12.387 | 12.384 | 12.381 | 12.415 | 12.363 | 12.412 | 12.431 | 12.407 | 12.311 | 12.554 |
| Max | 12.377 | 12.573 | 12.581 | 12.532 | 12.735 | 12.521 | 12.556 | 12.675 | 12.653 | 12.761 | 12.691 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

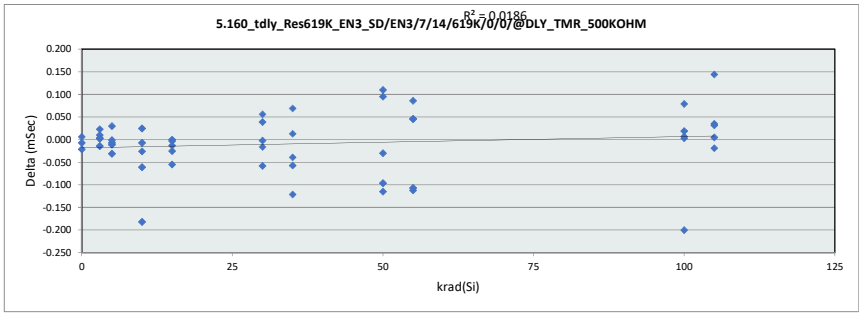


# TID HDR Report
# TPS7H3014-SP

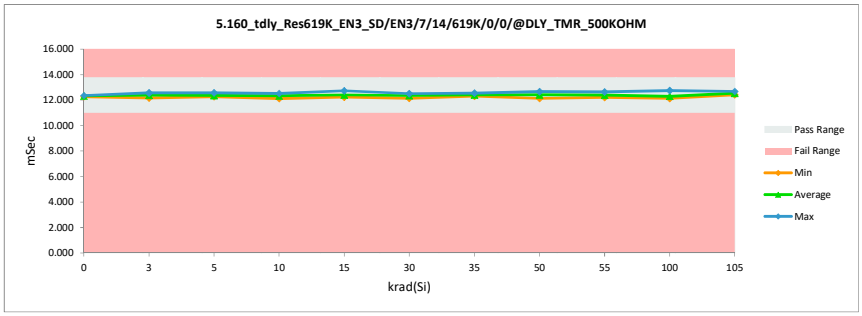
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.160_tdly_Res619K_EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.350 | 12.343 | -0.007 |
| 0 | 14 | 12.379 | 12.358 | -0.021 |
| 0 | 15 | 12.276 | 12.282 | 0.006 |
| 3 | 20 | 12.445 | 12.468 | 0.023 |
| 3 | 21 | 12.566 | 12.568 | 0.002 |
| 3 | 22 | 12.482 | 12.492 | 0.010 |
| 3 | 23 | 12.187 | 12.173 | -0.014 |
| 3 | 24 | 12.186 | 12.190 | 0.004 |
| 5 | 25 | 12.364 | 12.394 | 0.030 |
| 5 | 26 | 12.578 | 12.577 | -0.001 |
| 5 | 27 | 12.304 | 12.273 | -0.031 |
| 5 | 28 | 12.322 | 12.315 | -0.007 |
| 5 | 29 | 12.323 | 12.312 | -0.011 |
| 10 | 30 | 12.419 | 12.237 | -0.182 |
| 10 | 31 | 12.548 | 12.487 | -0.061 |
| 10 | 32 | 12.335 | 12.328 | -0.007 |
| 10 | 33 | 12.552 | 12.526 | -0.026 |
| 10 | 34 | 12.099 | 12.124 | 0.025 |
| 15 | 35 | 12.232 | 12.232 | 0.000 |
| 15 | 36 | 12.246 | 12.233 | -0.013 |
| 15 | 37 | 12.624 | 12.569 | -0.055 |
| 15 | 38 | 12.754 | 12.729 | -0.025 |
| 15 | 39 | 12.303 | 12.300 | -0.003 |
| 30 | 40 | 12.543 | 12.485 | -0.058 |
| 30 | 41 | 12.246 | 12.285 | 0.039 |
| 30 | 42 | 12.349 | 12.347 | -0.002 |
| 30 | 43 | 12.530 | 12.514 | -0.016 |
| 30 | 44 | 12.090 | 12.146 | 0.056 |
| 35 | 45 | 12.446 | 12.407 | -0.039 |
| 35 | 46 | 12.613 | 12.556 | -0.057 |
| 35 | 47 | 12.298 | 12.311 | 0.013 |
| 35 | 48 | 12.434 | 12.313 | -0.121 |
| 35 | 49 | 12.394 | 12.463 | 0.069 |
| 50 | 50 | 12.659 | 12.544 | -0.115 |
| 50 | 51 | 12.394 | 12.364 | -0.030 |
| 50 | 52 | 12.495 | 12.399 | -0.096 |
| 50 | 53 | 12.572 | 12.667 | 0.095 |
| 50 | 54 | 12.018 | 12.128 | 0.110 |
| 55 | 55 | 12.124 | 12.210 | 0.086 |
| 55 | 56 | 12.486 | 12.374 | -0.112 |
| 55 | 57 | 12.600 | 12.646 | 0.046 |
| 55 | 58 | 12.204 | 12.250 | 0.046 |
| 55 | 59 | 12.610 | 12.503 | -0.107 |
| 100 | 60 | 12.338 | 12.138 | -0.200 |
| 100 | 61 | 12.164 | 12.183 | 0.019 |
| 100 | 62 | 12.676 | 12.755 | 0.079 |
| 100 | 63 | 12.224 | 12.227 | 0.003 |
| 100 | 64 | 12.185 | 12.192 | 0.007 |
| 105 | 65 | 12.419 | 12.424 | 0.005 |
| 105 | 66 | 12.703 | 12.684 | -0.019 |
| 105 | 67 | 12.486 | 12.518 | 0.032 |
| 105 | 68 | 12.411 | 12.446 | 0.035 |
| 105 | 69 | 12.519 | 12.663 | 0.144 |
| | Max | 12.754 | 12.755 | 0.144 |
| | Average | 12.398 | 12.390 | -0.009 |
| | Min | 12.018 | 12.124 | -0.200 |
| | Std Dev | 0.174 | 0.168 | 0.066 |




| | 5.160_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.282 | 12.173 | 12.273 | 12.124 | 12.232 | 12.146 | 12.311 | 12.128 | 12.210 | 12.138 | 12.424 |
| Average | 12.328 | 12.378 | 12.374 | 12.340 | 12.413 | 12.355 | 12.410 | 12.420 | 12.397 | 12.299 | 12.547 |
| Max | 12.358 | 12.568 | 12.577 | 12.526 | 12.729 | 12.514 | 12.556 | 12.667 | 12.646 | 12.755 | 12.684 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

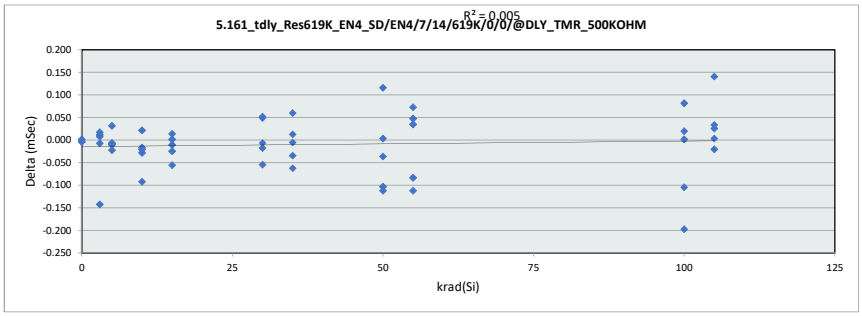


# TID HDR Report
# TPS7H3014-SP

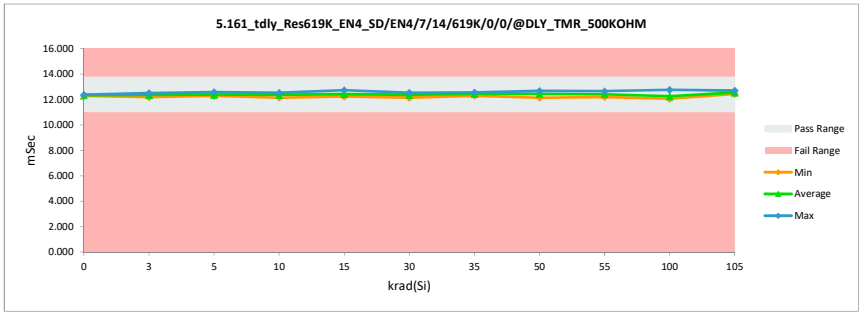
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.161_tdly_Res619K_EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.14 | 13.75 |
| Min Limit | 10.77 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.349 | 12.351 | 0.002 |
| 0 | 14 | 12.378 | 12.374 | -0.004 |
| 0 | 15 | 12.288 | 12.286 | -0.002 |
| 3 | 20 | 12.464 | 12.476 | 0.012 |
| 3 | 21 | 12.572 | 12.430 | -0.142 |
| 3 | 22 | 12.486 | 12.504 | 0.018 |
| 3 | 23 | 12.188 | 12.181 | -0.007 |
| 3 | 24 | 12.189 | 12.197 | 0.008 |
| 5 | 25 | 12.369 | 12.401 | 0.032 |
| 5 | 26 | 12.588 | 12.582 | -0.006 |
| 5 | 27 | 12.310 | 12.288 | -0.022 |
| 5 | 28 | 12.328 | 12.320 | -0.008 |
| 5 | 29 | 12.332 | 12.322 | -0.010 |
| 10 | 30 | 12.423 | 12.407 | -0.016 |
| 10 | 31 | 12.554 | 12.462 | -0.092 |
| 10 | 32 | 12.354 | 12.334 | -0.020 |
| 10 | 33 | 12.558 | 12.530 | -0.028 |
| 10 | 34 | 12.106 | 12.128 | 0.022 |
| 15 | 35 | 12.223 | 12.237 | 0.014 |
| 15 | 36 | 12.249 | 12.239 | -0.010 |
| 15 | 37 | 12.628 | 12.573 | -0.055 |
| 15 | 38 | 12.759 | 12.735 | -0.024 |
| 15 | 39 | 12.309 | 12.311 | 0.002 |
| 30 | 40 | 12.546 | 12.492 | -0.054 |
| 30 | 41 | 12.242 | 12.294 | 0.052 |
| 30 | 42 | 12.359 | 12.353 | -0.006 |
| 30 | 43 | 12.538 | 12.521 | -0.017 |
| 30 | 44 | 12.099 | 12.148 | 0.049 |
| 35 | 45 | 12.449 | 12.415 | -0.034 |
| 35 | 46 | 12.618 | 12.556 | -0.062 |
| 35 | 47 | 12.312 | 12.307 | -0.005 |
| 35 | 48 | 12.439 | 12.452 | 0.013 |
| 35 | 49 | 12.398 | 12.458 | 0.060 |
| 50 | 50 | 12.663 | 12.551 | -0.112 |
| 50 | 51 | 12.374 | 12.378 | 0.004 |
| 50 | 52 | 12.497 | 12.394 | -0.103 |
| 50 | 53 | 12.710 | 12.674 | -0.036 |
| 50 | 54 | 12.021 | 12.137 | 0.116 |
| 55 | 55 | 12.130 | 12.203 | 0.073 |
| 55 | 56 | 12.491 | 12.379 | -0.112 |
| 55 | 57 | 12.605 | 12.653 | 0.048 |
| 55 | 58 | 12.218 | 12.253 | 0.035 |
| 55 | 59 | 12.615 | 12.532 | -0.083 |
| 100 | 60 | 12.343 | 12.146 | -0.197 |
| 100 | 61 | 12.035 | 12.055 | 0.020 |
| 100 | 62 | 12.681 | 12.763 | 0.082 |
| 100 | 63 | 12.231 | 12.233 | 0.002 |
| 100 | 64 | 12.188 | 12.084 | -0.104 |
| 105 | 65 | 12.427 | 12.431 | 0.004 |
| 105 | 66 | 12.709 | 12.689 | -0.020 |
| 105 | 67 | 12.490 | 12.524 | 0.034 |
| 105 | 68 | 12.415 | 12.441 | 0.026 |
| 105 | 69 | 12.523 | 12.664 | 0.141 |
| | Max | 12.759 | 12.763 | 0.141 |
| | Average | 12.403 | 12.393 | -0.010 |
| | Min | 12.021 | 12.055 | -0.197 |
| | Std Dev | 0.182 | 0.172 | 0.061 |




| | 5.161_tdly_Res619K_EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.75 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.286 | 12.181 | 12.288 | 12.128 | 12.237 | 12.148 | 12.307 | 12.137 | 12.203 | 12.055 | 12.431 |
| Average | 12.337 | 12.358 | 12.383 | 12.372 | 12.419 | 12.362 | 12.438 | 12.427 | 12.404 | 12.256 | 12.550 |
| Max | 12.374 | 12.504 | 12.582 | 12.530 | 12.735 | 12.521 | 12.556 | 12.674 | 12.653 | 12.763 | 12.689 |
| UL | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 | 13.750 |

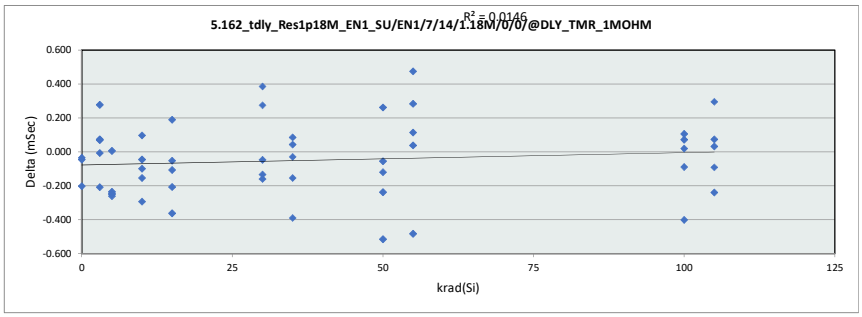


# TID HDR Report
# TPS7H3014-SP

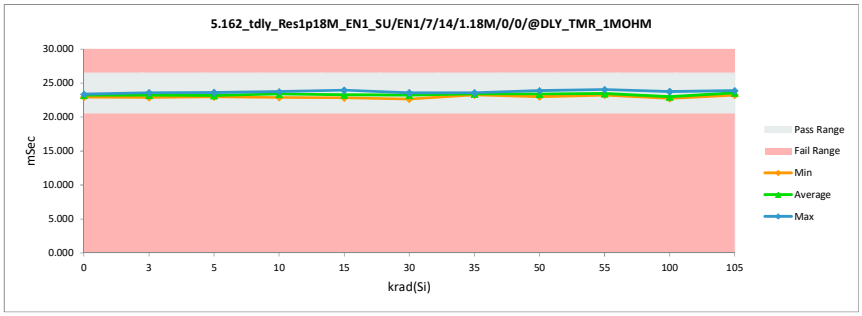
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.162_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.388 | 23.344 | -0.044 |
| 0 | 14 | 23.414 | 23.381 | -0.033 |
| 0 | 15 | 23.153 | 22.952 | -0.201 |
| 3 | 20 | 23.336 | 23.407 | 0.071 |
| 3 | 21 | 23.809 | 23.602 | -0.207 |
| 3 | 22 | 23.354 | 23.429 | 0.075 |
| 3 | 23 | 22.676 | 22.955 | 0.279 |
| 3 | 24 | 22.901 | 22.895 | -0.006 |
| 5 | 25 | 23.404 | 23.144 | -0.260 |
| 5 | 26 | 23.853 | 23.619 | -0.234 |
| 5 | 27 | 23.242 | 22.995 | -0.247 |
| 5 | 28 | 23.282 | 23.289 | 0.007 |
| 5 | 29 | 23.275 | 23.028 | -0.247 |
| 10 | 30 | 23.557 | 23.513 | -0.044 |
| 10 | 31 | 23.896 | 23.743 | -0.153 |
| 10 | 32 | 23.472 | 23.374 | -0.098 |
| 10 | 33 | 23.797 | 23.505 | -0.292 |
| 10 | 34 | 22.797 | 22.895 | 0.098 |
| 15 | 35 | 22.895 | 22.844 | -0.051 |
| 15 | 36 | 22.938 | 23.129 | 0.191 |
| 15 | 37 | 23.770 | 23.409 | -0.361 |
| 15 | 38 | 24.074 | 23.968 | -0.106 |
| 15 | 39 | 23.233 | 23.027 | -0.206 |
| 30 | 40 | 23.499 | 23.367 | -0.132 |
| 30 | 41 | 22.885 | 23.272 | 0.387 |
| 30 | 42 | 23.329 | 23.283 | -0.046 |
| 30 | 43 | 23.296 | 23.572 | 0.276 |
| 30 | 44 | 22.818 | 22.659 | -0.159 |
| 35 | 45 | 23.273 | 23.360 | 0.087 |
| 35 | 46 | 23.983 | 23.595 | -0.388 |
| 35 | 47 | 23.239 | 23.283 | 0.044 |
| 35 | 48 | 23.560 | 23.532 | -0.028 |
| 35 | 49 | 23.489 | 23.336 | -0.153 |
| 50 | 50 | 24.018 | 23.504 | -0.514 |
| 50 | 51 | 23.532 | 23.478 | -0.054 |
| 50 | 52 | 23.436 | 23.200 | -0.236 |
| 50 | 53 | 24.000 | 23.882 | -0.118 |
| 50 | 54 | 22.740 | 23.003 | 0.263 |
| 55 | 55 | 22.793 | 23.269 | 0.476 |
| 55 | 56 | 23.311 | 23.351 | 0.040 |
| 55 | 57 | 23.944 | 24.059 | 0.115 |
| 55 | 58 | 22.940 | 23.225 | 0.285 |
| 55 | 59 | 24.003 | 23.522 | -0.481 |
| 100 | 60 | 23.397 | 22.997 | -0.400 |
| 100 | 61 | 22.625 | 22.732 | 0.107 |
| 100 | 62 | 23.859 | 23.771 | -0.088 |
| 100 | 63 | 22.717 | 22.738 | 0.021 |
| 100 | 64 | 22.704 | 22.777 | 0.073 |
| 105 | 65 | 23.545 | 23.579 | 0.034 |
| 105 | 66 | 23.994 | 23.904 | -0.090 |
| 105 | 67 | 23.315 | 23.390 | 0.075 |
| 105 | 68 | 23.499 | 23.261 | -0.238 |
| 105 | 69 | 23.455 | 23.752 | 0.297 |
| | Max | 24.074 | 24.059 | 0.476 |
| | Average | 23.372 | 23.323 | -0.049 |
| | Min | 22.625 | 22.659 | -0.514 |
| | Std Dev | 0.410 | 0.331 | 0.215 |




| | 5.162_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 22.952 | 22.895 | 22.995 | 22.895 | 22.844 | 22.659 | 23.283 | 23.003 | 23.225 | 22.732 | 23.261 |
| Average | 23.226 | 23.258 | 23.215 | 23.406 | 23.275 | 23.231 | 23.421 | 23.413 | 23.485 | 23.003 | 23.577 |
| Max | 23.381 | 23.602 | 23.619 | 23.743 | 23.968 | 23.572 | 23.595 | 23.882 | 24.059 | 23.771 | 23.904 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

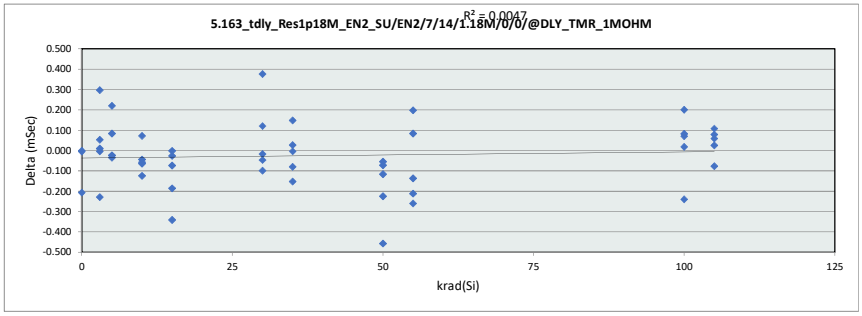


# TID HDR Report
# TPS7H3014-SP

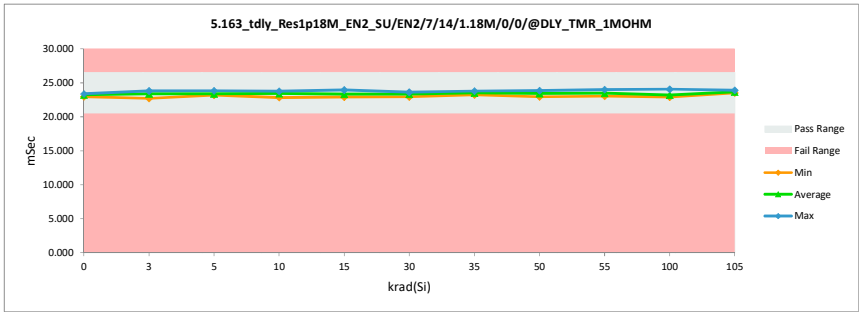
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.163_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.345 | 23.341 | -0.004 |
| 0 | 14 | 23.377 | 23.377 | 0.000 |
| 0 | 15 | 23.165 | 22.959 | -0.206 |
| 3 | 20 | 23.378 | 23.676 | 0.298 |
| 3 | 21 | 23.799 | 23.810 | 0.011 |
| 3 | 22 | 23.604 | 23.658 | 0.054 |
| 3 | 23 | 22.935 | 22.707 | -0.228 |
| 3 | 24 | 23.116 | 23.113 | -0.003 |
| 5 | 25 | 23.353 | 23.437 | 0.084 |
| 5 | 26 | 23.852 | 23.829 | -0.023 |
| 5 | 27 | 23.230 | 23.206 | -0.024 |
| 5 | 28 | 23.044 | 23.265 | 0.221 |
| 5 | 29 | 23.254 | 23.220 | -0.034 |
| 10 | 30 | 23.497 | 23.454 | -0.043 |
| 10 | 31 | 23.882 | 23.759 | -0.123 |
| 10 | 32 | 23.409 | 23.353 | -0.056 |
| 10 | 33 | 23.800 | 23.736 | -0.064 |
| 10 | 34 | 22.753 | 22.826 | 0.073 |
| 15 | 35 | 23.098 | 22.913 | -0.185 |
| 15 | 36 | 23.148 | 23.123 | -0.025 |
| 15 | 37 | 23.786 | 23.446 | -0.340 |
| 15 | 38 | 24.026 | 23.953 | -0.073 |
| 15 | 39 | 23.224 | 23.223 | -0.001 |
| 30 | 40 | 23.721 | 23.623 | -0.098 |
| 30 | 41 | 23.131 | 23.252 | 0.121 |
| 30 | 42 | 23.301 | 23.285 | -0.016 |
| 30 | 43 | 23.570 | 23.524 | -0.046 |
| 30 | 44 | 22.545 | 22.922 | 0.377 |
| 35 | 45 | 23.547 | 23.468 | -0.079 |
| 35 | 46 | 23.952 | 23.801 | -0.151 |
| 35 | 47 | 23.234 | 23.262 | 0.028 |
| 35 | 48 | 23.486 | 23.483 | -0.003 |
| 35 | 49 | 23.455 | 23.604 | 0.149 |
| 50 | 50 | 23.986 | 23.530 | -0.456 |
| 50 | 51 | 23.460 | 23.406 | -0.054 |
| 50 | 52 | 23.702 | 23.478 | -0.224 |
| 50 | 53 | 23.980 | 23.865 | -0.115 |
| 50 | 54 | 22.993 | 22.922 | -0.071 |
| 55 | 55 | 23.052 | 23.251 | 0.199 |
| 55 | 56 | 23.581 | 23.322 | -0.259 |
| 55 | 57 | 23.927 | 24.011 | 0.084 |
| 55 | 58 | 23.161 | 23.025 | -0.136 |
| 55 | 59 | 23.971 | 23.760 | -0.211 |
| 100 | 60 | 23.158 | 22.919 | -0.239 |
| 100 | 61 | 22.907 | 22.990 | 0.083 |
| 100 | 62 | 23.868 | 24.069 | 0.201 |
| 100 | 63 | 22.996 | 23.015 | 0.019 |
| 100 | 64 | 22.972 | 23.043 | 0.071 |
| 105 | 65 | 23.484 | 23.510 | 0.026 |
| 105 | 66 | 23.978 | 23.902 | -0.076 |
| 105 | 67 | 23.594 | 23.654 | 0.060 |
| 105 | 68 | 23.450 | 23.529 | 0.079 |
| 105 | 69 | 23.696 | 23.805 | 0.109 |
| | Max | 24.026 | 24.069 | 0.377 |
| | Average | 23.433 | 23.408 | -0.025 |
| | Min | 22.545 | 22.707 | -0.456 |
| | Std Dev | 0.362 | 0.337 | 0.153 |




| | 5.163_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 22.959 | 22.707 | 23.206 | 22.826 | 22.913 | 22.922 | 23.262 | 22.922 | 23.025 | 22.919 | 23.510 |
| Average | 23.226 | 23.393 | 23.391 | 23.426 | 23.332 | 23.321 | 23.524 | 23.440 | 23.474 | 23.207 | 23.680 |
| Max | 23.377 | 23.810 | 23.829 | 23.759 | 23.953 | 23.623 | 23.801 | 23.865 | 24.011 | 24.069 | 23.902 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

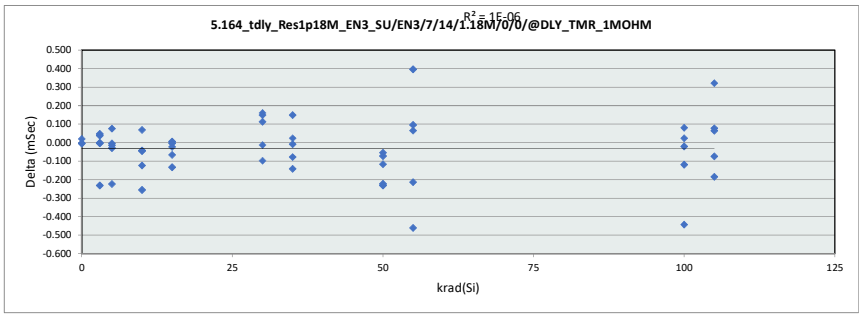


# TID HDR Report
# TPS7H3014-SP

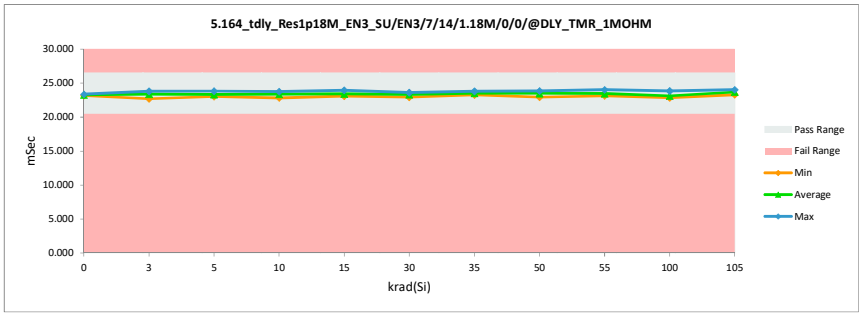
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.164_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.346 | 23.344 | -0.002 |
| 0 | 14 | 23.360 | 23.381 | 0.021 |
| 0 | 15 | 23.167 | 23.163 | -0.004 |
| 3 | 20 | 23.632 | 23.671 | 0.039 |
| 3 | 21 | 23.814 | 23.813 | -0.001 |
| 3 | 22 | 23.610 | 23.658 | 0.048 |
| 3 | 23 | 22.936 | 22.705 | -0.231 |
| 3 | 24 | 23.118 | 23.116 | -0.002 |
| 5 | 25 | 23.363 | 23.440 | 0.077 |
| 5 | 26 | 23.856 | 23.843 | -0.013 |
| 5 | 27 | 23.233 | 23.205 | -0.028 |
| 5 | 28 | 23.270 | 23.267 | -0.003 |
| 5 | 29 | 23.256 | 23.033 | -0.223 |
| 10 | 30 | 23.502 | 23.460 | -0.042 |
| 10 | 31 | 23.886 | 23.763 | -0.123 |
| 10 | 32 | 23.412 | 23.157 | -0.255 |
| 10 | 33 | 23.789 | 23.744 | -0.045 |
| 10 | 34 | 22.757 | 22.827 | 0.070 |
| 15 | 35 | 23.103 | 23.110 | 0.007 |
| 15 | 36 | 23.149 | 23.127 | -0.022 |
| 15 | 37 | 23.788 | 23.656 | -0.132 |
| 15 | 38 | 24.031 | 23.966 | -0.065 |
| 15 | 39 | 23.226 | 23.224 | -0.002 |
| 30 | 40 | 23.723 | 23.626 | -0.097 |
| 30 | 41 | 23.139 | 23.253 | 0.114 |
| 30 | 42 | 23.302 | 23.290 | -0.012 |
| 30 | 43 | 23.369 | 23.530 | 0.161 |
| 30 | 44 | 22.774 | 22.924 | 0.150 |
| 35 | 45 | 23.547 | 23.470 | -0.077 |
| 35 | 46 | 23.952 | 23.811 | -0.141 |
| 35 | 47 | 23.236 | 23.261 | 0.025 |
| 35 | 48 | 23.483 | 23.475 | -0.008 |
| 35 | 49 | 23.456 | 23.606 | 0.150 |
| 50 | 50 | 23.974 | 23.743 | -0.231 |
| 50 | 51 | 23.462 | 23.408 | -0.054 |
| 50 | 52 | 23.703 | 23.481 | -0.222 |
| 50 | 53 | 23.982 | 23.866 | -0.116 |
| 50 | 54 | 22.996 | 22.924 | -0.072 |
| 55 | 55 | 22.853 | 23.250 | 0.397 |
| 55 | 56 | 23.584 | 23.124 | -0.460 |
| 55 | 57 | 23.930 | 24.027 | 0.097 |
| 55 | 58 | 23.166 | 23.232 | 0.066 |
| 55 | 59 | 23.971 | 23.758 | -0.213 |
| 100 | 60 | 23.368 | 22.926 | -0.442 |
| 100 | 61 | 22.911 | 22.992 | 0.081 |
| 100 | 62 | 23.870 | 23.851 | -0.019 |
| 100 | 63 | 22.993 | 23.018 | 0.025 |
| 100 | 64 | 22.972 | 22.854 | -0.118 |
| 105 | 65 | 23.487 | 23.303 | -0.184 |
| 105 | 66 | 23.979 | 23.906 | -0.073 |
| 105 | 67 | 23.591 | 23.656 | 0.065 |
| 105 | 68 | 23.452 | 23.531 | 0.079 |
| 105 | 69 | 23.699 | 24.021 | 0.322 |
| | Max | 24.031 | 24.027 | 0.397 |
| | Average | 23.444 | 23.411 | -0.033 |
| | Min | 22.757 | 22.705 | -0.460 |
| | Std Dev | 0.353 | 0.342 | 0.153 |




| | 5.164_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.163 | 22.705 | 23.033 | 22.827 | 23.110 | 22.924 | 23.261 | 22.924 | 23.124 | 22.854 | 23.303 |
| Average | 23.296 | 23.393 | 23.358 | 23.390 | 23.417 | 23.325 | 23.525 | 23.484 | 23.478 | 23.128 | 23.683 |
| Max | 23.381 | 23.813 | 23.843 | 23.763 | 23.966 | 23.626 | 23.811 | 23.866 | 24.027 | 23.851 | 24.021 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

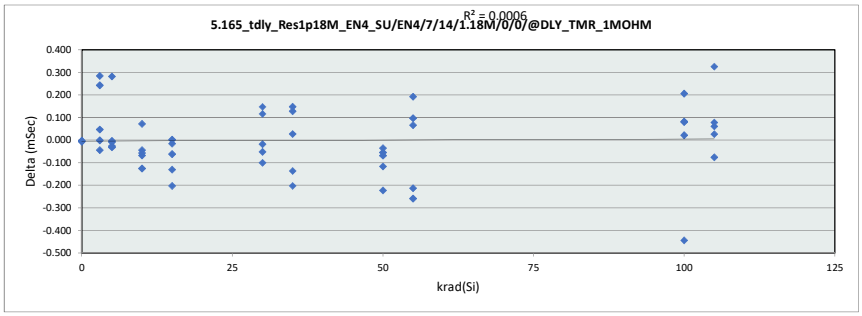


# TID HDR Report
# TPS7H3014-SP

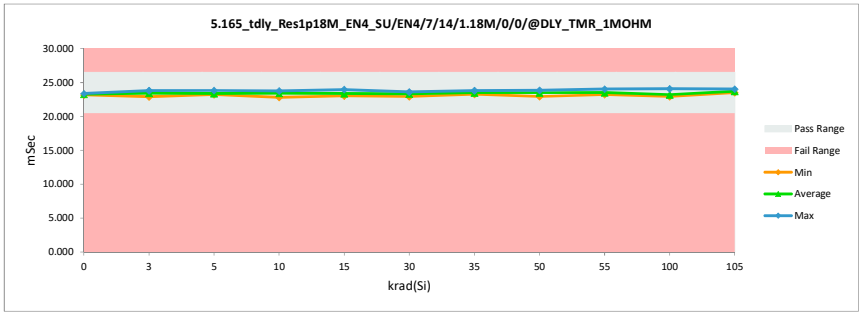
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.165_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.348 | 23.346 | -0.002 |
| 0 | 14 | 23.380 | 23.373 | -0.007 |
| 0 | 15 | 23.166 | 23.162 | -0.004 |
| 3 | 20 | 23.399 | 23.684 | 0.285 |
| 3 | 21 | 23.813 | 23.813 | 0.000 |
| 3 | 22 | 23.614 | 23.662 | 0.048 |
| 3 | 23 | 22.938 | 22.894 | -0.044 |
| 3 | 24 | 22.872 | 23.116 | 0.244 |
| 5 | 25 | 23.152 | 23.435 | 0.283 |
| 5 | 26 | 23.857 | 23.831 | -0.026 |
| 5 | 27 | 23.219 | 23.211 | -0.008 |
| 5 | 28 | 23.270 | 23.267 | -0.003 |
| 5 | 29 | 23.257 | 23.226 | -0.031 |
| 10 | 30 | 23.501 | 23.457 | -0.044 |
| 10 | 31 | 23.888 | 23.763 | -0.125 |
| 10 | 32 | 23.413 | 23.357 | -0.056 |
| 10 | 33 | 23.804 | 23.737 | -0.067 |
| 10 | 34 | 22.757 | 22.830 | 0.073 |
| 15 | 35 | 23.102 | 23.105 | 0.003 |
| 15 | 36 | 23.144 | 23.129 | -0.015 |
| 15 | 37 | 23.791 | 23.661 | -0.130 |
| 15 | 38 | 24.032 | 23.971 | -0.061 |
| 15 | 39 | 23.230 | 23.028 | -0.202 |
| 30 | 40 | 23.725 | 23.625 | -0.100 |
| 30 | 41 | 23.138 | 23.255 | 0.117 |
| 30 | 42 | 23.305 | 23.288 | -0.017 |
| 30 | 43 | 23.583 | 23.532 | -0.051 |
| 30 | 44 | 22.777 | 22.925 | 0.148 |
| 35 | 45 | 23.339 | 23.468 | 0.129 |
| 35 | 46 | 23.954 | 23.818 | -0.136 |
| 35 | 47 | 23.236 | 23.264 | 0.028 |
| 35 | 48 | 23.488 | 23.286 | -0.202 |
| 35 | 49 | 23.459 | 23.608 | 0.149 |
| 50 | 50 | 23.767 | 23.732 | -0.035 |
| 50 | 51 | 23.464 | 23.410 | -0.054 |
| 50 | 52 | 23.704 | 23.482 | -0.222 |
| 50 | 53 | 23.981 | 23.865 | -0.116 |
| 50 | 54 | 22.995 | 22.927 | -0.068 |
| 55 | 55 | 23.058 | 23.251 | 0.193 |
| 55 | 56 | 23.583 | 23.325 | -0.258 |
| 55 | 57 | 23.928 | 24.026 | 0.098 |
| 55 | 58 | 23.167 | 23.234 | 0.067 |
| 55 | 59 | 23.970 | 23.758 | -0.212 |
| 100 | 60 | 23.371 | 22.928 | -0.443 |
| 100 | 61 | 22.911 | 22.994 | 0.083 |
| 100 | 62 | 23.869 | 24.076 | 0.207 |
| 100 | 63 | 22.996 | 23.019 | 0.023 |
| 100 | 64 | 22.972 | 23.053 | 0.081 |
| 105 | 65 | 23.489 | 23.516 | 0.027 |
| 105 | 66 | 23.980 | 23.905 | -0.075 |
| 105 | 67 | 23.594 | 23.656 | 0.062 |
| 105 | 68 | 23.452 | 23.531 | 0.079 |
| 105 | 69 | 23.703 | 24.029 | 0.326 |
| | Max | 24.032 | 24.076 | 0.326 |
| | Average | 23.432 | 23.431 | -0.001 |
| | Min | 22.757 | 22.830 | -0.443 |
| | Std Dev | 0.351 | 0.333 | 0.144 |




| | 5.165_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.162 | 22.894 | 23.211 | 22.830 | 23.028 | 22.925 | 23.264 | 22.927 | 23.234 | 22.928 | 23.516 |
| Average | 23.294 | 23.434 | 23.394 | 23.429 | 23.379 | 23.325 | 23.489 | 23.483 | 23.519 | 23.214 | 23.727 |
| Max | 23.373 | 23.813 | 23.831 | 23.763 | 23.971 | 23.625 | 23.818 | 23.865 | 24.026 | 24.076 | 24.029 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

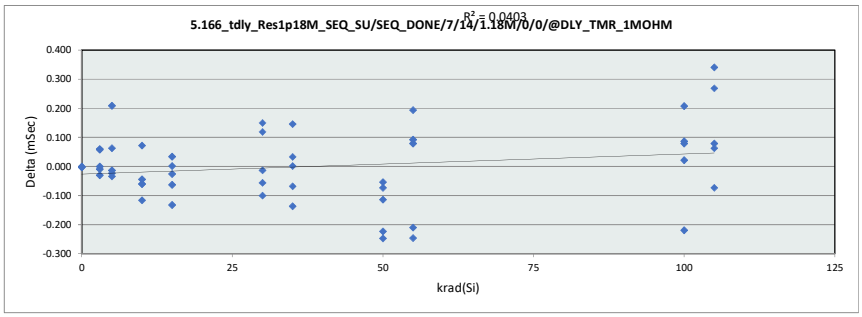


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

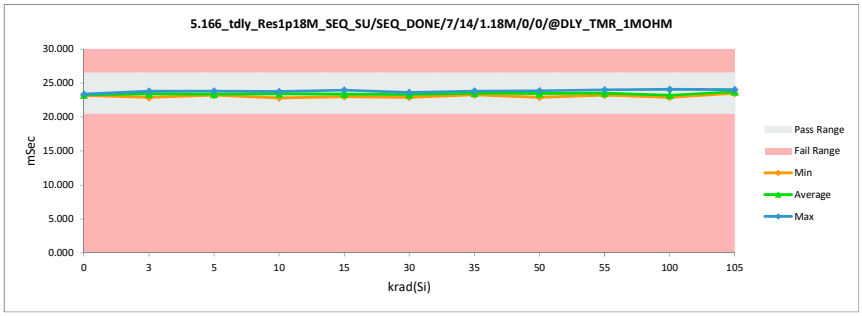
| | 5.166_tdly_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.349 | 23.347 | -0.002 |
| 0 | 14 | 23.381 | 23.381 | 0.000 |
| 0 | 15 | 23.168 | 23.166 | -0.002 |
| 3 | 20 | 23.626 | 23.684 | 0.058 |
| 3 | 21 | 23.814 | 23.805 | -0.009 |
| 3 | 22 | 23.601 | 23.661 | 0.060 |
| 3 | 23 | 22.933 | 22.903 | -0.030 |
| 3 | 24 | 23.118 | 23.118 | 0.000 |
| 5 | 25 | 23.364 | 23.427 | 0.063 |
| 5 | 26 | 23.852 | 23.839 | -0.013 |
| 5 | 27 | 23.233 | 23.210 | -0.023 |
| 5 | 28 | 23.058 | 23.267 | 0.209 |
| 5 | 29 | 23.259 | 23.225 | -0.034 |
| 10 | 30 | 23.503 | 23.459 | -0.044 |
| 10 | 31 | 23.880 | 23.764 | -0.116 |
| 10 | 32 | 23.412 | 23.352 | -0.060 |
| 10 | 33 | 23.805 | 23.745 | -0.060 |
| 10 | 34 | 22.757 | 22.829 | 0.072 |
| 15 | 35 | 23.105 | 23.107 | 0.002 |
| 15 | 36 | 23.151 | 23.125 | -0.026 |
| 15 | 37 | 23.793 | 23.661 | -0.132 |
| 15 | 38 | 24.032 | 23.969 | -0.063 |
| 15 | 39 | 22.990 | 23.024 | 0.034 |
| 30 | 40 | 23.727 | 23.627 | -0.100 |
| 30 | 41 | 23.137 | 23.256 | 0.119 |
| 30 | 42 | 23.304 | 23.291 | -0.013 |
| 30 | 43 | 23.585 | 23.529 | -0.056 |
| 30 | 44 | 22.774 | 22.924 | 0.150 |
| 35 | 45 | 23.541 | 23.473 | -0.068 |
| 35 | 46 | 23.954 | 23.817 | -0.137 |
| 35 | 47 | 23.233 | 23.266 | 0.033 |
| 35 | 48 | 23.489 | 23.491 | 0.002 |
| 35 | 49 | 23.458 | 23.604 | 0.146 |
| 50 | 50 | 23.992 | 23.745 | -0.247 |
| 50 | 51 | 23.464 | 23.410 | -0.054 |
| 50 | 52 | 23.708 | 23.485 | -0.223 |
| 50 | 53 | 23.983 | 23.869 | -0.114 |
| 50 | 54 | 22.997 | 22.924 | -0.073 |
| 55 | 55 | 23.057 | 23.251 | 0.194 |
| 55 | 56 | 23.574 | 23.328 | -0.246 |
| 55 | 57 | 23.932 | 24.024 | 0.092 |
| 55 | 58 | 23.153 | 23.232 | 0.079 |
| 55 | 59 | 23.972 | 23.762 | -0.210 |
| 100 | 60 | 23.147 | 22.928 | -0.219 |
| 100 | 61 | 22.907 | 22.994 | 0.087 |
| 100 | 62 | 23.870 | 24.078 | 0.208 |
| 100 | 63 | 22.998 | 23.020 | 0.022 |
| 100 | 64 | 22.972 | 23.051 | 0.079 |
| 105 | 65 | 23.248 | 23.517 | 0.269 |
| 105 | 66 | 23.980 | 23.907 | -0.073 |
| 105 | 67 | 23.596 | 23.659 | 0.063 |
| 105 | 68 | 23.454 | 23.533 | 0.079 |
| 105 | 69 | 23.703 | 24.044 | 0.341 |
| | Max | 24.032 | 24.078 | 0.341 |
| | Average | 23.436 | 23.436 | 0.000 |
| | Min | 22.757 | 22.829 | -0.247 |
| | Std Dev | 0.360 | 0.334 | 0.124 |




| | 5.166_tdly_Res1p18M_S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.166 | 22.903 | 23.210 | 22.829 | 23.024 | 22.924 | 23.266 | 22.924 | 23.232 | 22.928 | 23.517 |
| Average | 23.298 | 23.434 | 23.394 | 23.430 | 23.377 | 23.325 | 23.530 | 23.487 | 23.519 | 23.214 | 23.732 |
| Max | 23.381 | 23.805 | 23.839 | 23.764 | 23.969 | 23.627 | 23.817 | 23.869 | 24.024 | 24.078 | 24.044 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

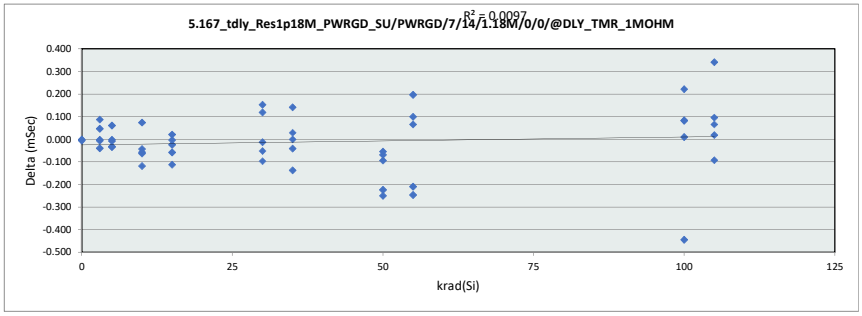


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

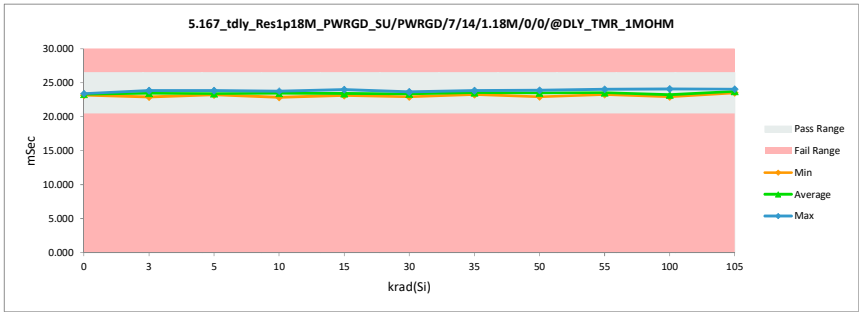
| | 5.167_tdly_Res1p18M_PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.371 | 23.365 | -0.006 |
| 0 | 14 | 23.405 | 23.405 | 0.000 |
| 0 | 15 | 23.192 | 23.189 | -0.003 |
| 3 | 20 | 23.621 | 23.708 | 0.087 |
| 3 | 21 | 23.840 | 23.838 | -0.002 |
| 3 | 22 | 23.637 | 23.684 | 0.047 |
| 3 | 23 | 22.962 | 22.923 | -0.039 |
| 3 | 24 | 23.142 | 23.136 | -0.006 |
| 5 | 25 | 23.387 | 23.448 | 0.061 |
| 5 | 26 | 23.859 | 23.851 | -0.008 |
| 5 | 27 | 23.258 | 23.226 | -0.032 |
| 5 | 28 | 23.293 | 23.291 | -0.002 |
| 5 | 29 | 23.281 | 23.247 | -0.034 |
| 10 | 30 | 23.527 | 23.484 | -0.043 |
| 10 | 31 | 23.904 | 23.786 | -0.118 |
| 10 | 32 | 23.435 | 23.378 | -0.057 |
| 10 | 33 | 23.829 | 23.766 | -0.063 |
| 10 | 34 | 22.779 | 22.853 | 0.074 |
| 15 | 35 | 23.113 | 23.134 | 0.021 |
| 15 | 36 | 23.171 | 23.147 | -0.024 |
| 15 | 37 | 23.797 | 23.685 | -0.112 |
| 15 | 38 | 24.056 | 23.998 | -0.058 |
| 15 | 39 | 23.251 | 23.248 | -0.003 |
| 30 | 40 | 23.747 | 23.650 | -0.097 |
| 30 | 41 | 23.159 | 23.278 | 0.119 |
| 30 | 42 | 23.327 | 23.314 | -0.013 |
| 30 | 43 | 23.608 | 23.556 | -0.052 |
| 30 | 44 | 22.796 | 22.949 | 0.153 |
| 35 | 45 | 23.537 | 23.496 | -0.041 |
| 35 | 46 | 23.976 | 23.839 | -0.137 |
| 35 | 47 | 23.257 | 23.286 | 0.029 |
| 35 | 48 | 23.512 | 23.512 | 0.000 |
| 35 | 49 | 23.481 | 23.623 | 0.142 |
| 50 | 50 | 24.011 | 23.761 | -0.250 |
| 50 | 51 | 23.485 | 23.431 | -0.054 |
| 50 | 52 | 23.729 | 23.506 | -0.223 |
| 50 | 53 | 23.986 | 23.892 | -0.094 |
| 50 | 54 | 23.020 | 22.951 | -0.069 |
| 55 | 55 | 23.079 | 23.276 | 0.197 |
| 55 | 56 | 23.598 | 23.352 | -0.246 |
| 55 | 57 | 23.951 | 24.051 | 0.100 |
| 55 | 58 | 23.189 | 23.255 | 0.066 |
| 55 | 59 | 23.994 | 23.785 | -0.209 |
| 100 | 60 | 23.393 | 22.949 | -0.444 |
| 100 | 61 | 22.933 | 23.017 | 0.084 |
| 100 | 62 | 23.880 | 24.102 | 0.222 |
| 100 | 63 | 23.015 | 23.025 | 0.010 |
| 100 | 64 | 22.994 | 23.076 | 0.082 |
| 105 | 65 | 23.509 | 23.528 | 0.019 |
| 105 | 66 | 23.996 | 23.904 | -0.092 |
| 105 | 67 | 23.615 | 23.681 | 0.066 |
| 105 | 68 | 23.459 | 23.555 | 0.096 |
| 105 | 69 | 23.724 | 24.065 | 0.341 |
| | Max | 24.056 | 24.102 | 0.341 |
| | Average | 23.473 | 23.461 | -0.012 |
| | Min | 22.779 | 22.853 | -0.444 |
| | Std Dev | 0.347 | 0.330 | 0.126 |




| | 5.167_tdly_Res1p18M_P | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.189 | 22.923 | 23.226 | 22.853 | 23.134 | 22.949 | 23.286 | 22.951 | 23.255 | 22.949 | 23.528 |
| Average | 23.320 | 23.458 | 23.413 | 23.453 | 23.442 | 23.349 | 23.551 | 23.508 | 23.544 | 23.234 | 23.747 |
| Max | 23.405 | 23.838 | 23.851 | 23.786 | 23.998 | 23.650 | 23.839 | 23.892 | 24.051 | 24.102 | 24.065 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

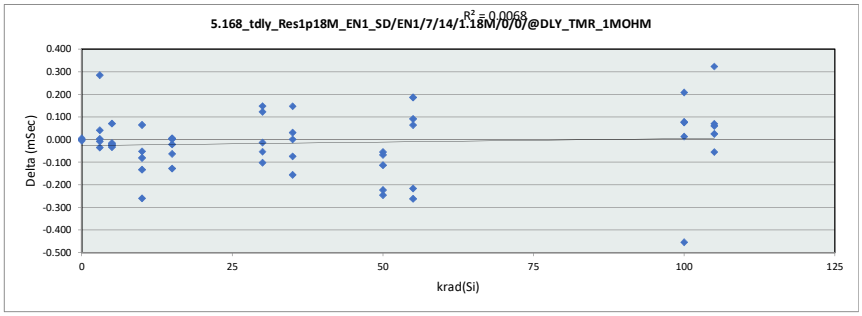


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

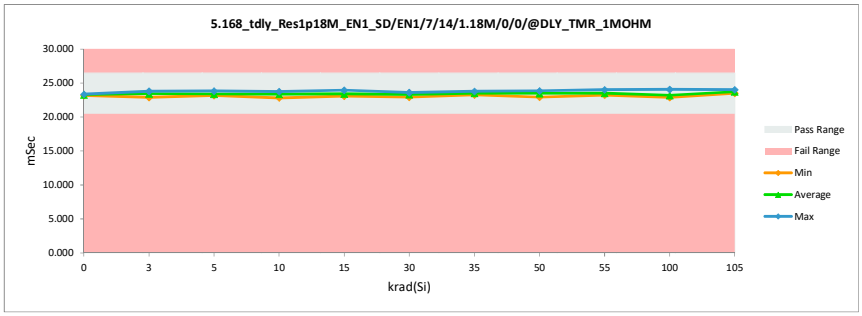
| | 5.168_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.357 | 23.357 | 0.000 |
| 0 | 14 | 23.385 | 23.392 | 0.007 |
| 0 | 15 | 23.177 | 23.173 | -0.004 |
| 3 | 20 | 23.409 | 23.695 | 0.286 |
| 3 | 21 | 23.821 | 23.824 | 0.003 |
| 3 | 22 | 23.621 | 23.663 | 0.042 |
| 3 | 23 | 22.946 | 22.912 | -0.034 |
| 3 | 24 | 23.127 | 23.120 | -0.007 |
| 5 | 25 | 23.366 | 23.438 | 0.072 |
| 5 | 26 | 23.865 | 23.840 | -0.025 |
| 5 | 27 | 23.240 | 23.219 | -0.021 |
| 5 | 28 | 23.279 | 23.247 | -0.032 |
| 5 | 29 | 23.253 | 23.238 | -0.015 |
| 10 | 30 | 23.510 | 23.251 | -0.259 |
| 10 | 31 | 23.897 | 23.765 | -0.132 |
| 10 | 32 | 23.410 | 23.359 | -0.051 |
| 10 | 33 | 23.814 | 23.734 | -0.080 |
| 10 | 34 | 22.764 | 22.830 | 0.066 |
| 15 | 35 | 23.112 | 23.118 | 0.006 |
| 15 | 36 | 23.156 | 23.136 | -0.020 |
| 15 | 37 | 23.796 | 23.669 | -0.127 |
| 15 | 38 | 24.040 | 23.978 | -0.062 |
| 15 | 39 | 23.238 | 23.241 | 0.003 |
| 30 | 40 | 23.734 | 23.633 | -0.101 |
| 30 | 41 | 23.137 | 23.261 | 0.124 |
| 30 | 42 | 23.313 | 23.301 | -0.012 |
| 30 | 43 | 23.594 | 23.541 | -0.053 |
| 30 | 44 | 22.784 | 22.933 | 0.149 |
| 35 | 45 | 23.556 | 23.483 | -0.073 |
| 35 | 46 | 23.962 | 23.807 | -0.155 |
| 35 | 47 | 23.240 | 23.272 | 0.032 |
| 35 | 48 | 23.498 | 23.500 | 0.002 |
| 35 | 49 | 23.466 | 23.614 | 0.148 |
| 50 | 50 | 23.998 | 23.753 | -0.245 |
| 50 | 51 | 23.473 | 23.419 | -0.054 |
| 50 | 52 | 23.713 | 23.491 | -0.222 |
| 50 | 53 | 23.989 | 23.877 | -0.112 |
| 50 | 54 | 23.007 | 22.940 | -0.067 |
| 55 | 55 | 23.066 | 23.253 | 0.187 |
| 55 | 56 | 23.593 | 23.332 | -0.261 |
| 55 | 57 | 23.939 | 24.031 | 0.092 |
| 55 | 58 | 23.177 | 23.242 | 0.065 |
| 55 | 59 | 23.981 | 23.766 | -0.215 |
| 100 | 60 | 23.377 | 22.924 | -0.453 |
| 100 | 61 | 22.924 | 23.003 | 0.079 |
| 100 | 62 | 23.878 | 24.087 | 0.209 |
| 100 | 63 | 23.003 | 23.017 | 0.014 |
| 100 | 64 | 22.984 | 23.061 | 0.077 |
| 105 | 65 | 23.498 | 23.524 | 0.026 |
| 105 | 66 | 23.972 | 23.918 | -0.054 |
| 105 | 67 | 23.604 | 23.665 | 0.061 |
| 105 | 68 | 23.461 | 23.532 | 0.071 |
| 105 | 69 | 23.714 | 24.038 | 0.324 |
| | Max | 24.040 | 24.087 | 0.324 |
| | Average | 23.457 | 23.442 | -0.015 |
| | Min | 22.764 | 22.830 | -0.453 |
| | Std Dev | 0.347 | 0.331 | 0.137 |




| | 5.168_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.173 | 22.912 | 23.219 | 22.830 | 23.118 | 22.933 | 23.272 | 22.940 | 23.242 | 22.924 | 23.524 |
| Average | 23.307 | 23.443 | 23.396 | 23.388 | 23.428 | 23.334 | 23.535 | 23.496 | 23.525 | 23.218 | 23.735 |
| Max | 23.392 | 23.824 | 23.840 | 23.765 | 23.978 | 23.633 | 23.807 | 23.877 | 24.031 | 24.087 | 24.038 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

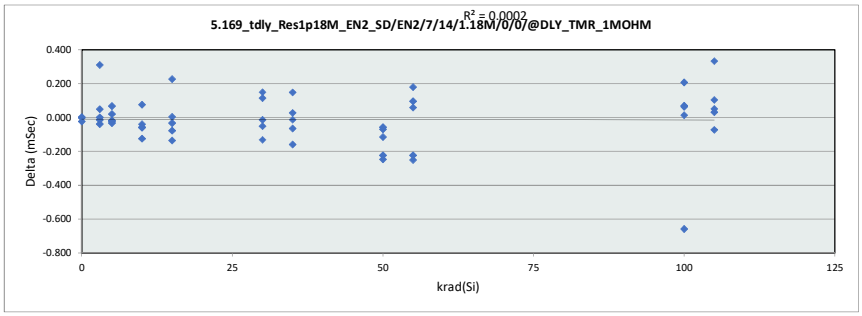


# TID HDR Report
# TPS7H3014-SP

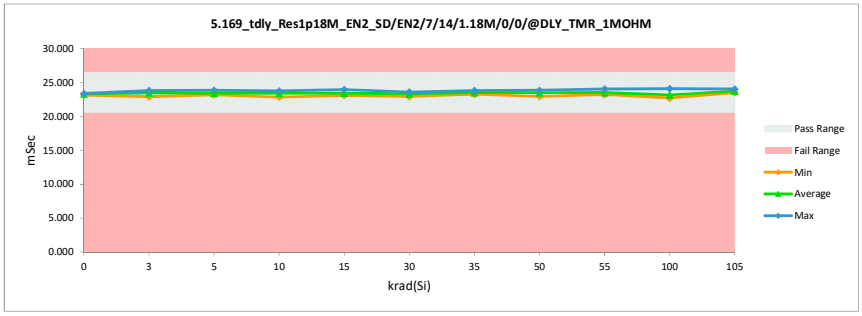
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 5.169_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.356 | 23.354 | -0.002 |
| 0 | 14 | 23.388 | 23.391 | 0.003 |
| 0 | 15 | 23.176 | 23.153 | -0.023 |
| 3 | 20 | 23.385 | 23.696 | 0.311 |
| 3 | 21 | 23.825 | 23.812 | -0.013 |
| 3 | 22 | 23.618 | 23.668 | 0.050 |
| 3 | 23 | 22.947 | 22.909 | -0.038 |
| 3 | 24 | 23.127 | 23.128 | 0.001 |
| 5 | 25 | 23.368 | 23.436 | 0.068 |
| 5 | 26 | 23.866 | 23.849 | -0.017 |
| 5 | 27 | 23.243 | 23.219 | -0.024 |
| 5 | 28 | 23.253 | 23.274 | 0.021 |
| 5 | 29 | 23.267 | 23.235 | -0.032 |
| 10 | 30 | 23.509 | 23.470 | -0.039 |
| 10 | 31 | 23.893 | 23.769 | -0.124 |
| 10 | 32 | 23.421 | 23.361 | -0.060 |
| 10 | 33 | 23.809 | 23.752 | -0.057 |
| 10 | 34 | 22.760 | 22.836 | 0.076 |
| 15 | 35 | 23.109 | 23.113 | 0.004 |
| 15 | 36 | 23.157 | 23.125 | -0.032 |
| 15 | 37 | 23.799 | 23.664 | -0.135 |
| 15 | 38 | 24.040 | 23.963 | -0.077 |
| 15 | 39 | 23.013 | 23.240 | 0.227 |
| 30 | 40 | 23.733 | 23.602 | -0.131 |
| 30 | 41 | 23.147 | 23.262 | 0.115 |
| 30 | 42 | 23.313 | 23.300 | -0.013 |
| 30 | 43 | 23.593 | 23.542 | -0.051 |
| 30 | 44 | 22.783 | 22.933 | 0.150 |
| 35 | 45 | 23.545 | 23.481 | -0.064 |
| 35 | 46 | 23.962 | 23.803 | -0.159 |
| 35 | 47 | 23.244 | 23.272 | 0.028 |
| 35 | 48 | 23.498 | 23.486 | -0.012 |
| 35 | 49 | 23.466 | 23.615 | 0.149 |
| 50 | 50 | 23.997 | 23.751 | -0.246 |
| 50 | 51 | 23.471 | 23.414 | -0.057 |
| 50 | 52 | 23.713 | 23.490 | -0.223 |
| 50 | 53 | 23.990 | 23.875 | -0.115 |
| 50 | 54 | 23.007 | 22.938 | -0.069 |
| 55 | 55 | 23.064 | 23.244 | 0.180 |
| 55 | 56 | 23.590 | 23.340 | -0.250 |
| 55 | 57 | 23.941 | 24.038 | 0.097 |
| 55 | 58 | 23.179 | 23.238 | 0.059 |
| 55 | 59 | 23.978 | 23.755 | -0.223 |
| 100 | 60 | 23.380 | 22.722 | -0.658 |
| 100 | 61 | 22.923 | 22.993 | 0.070 |
| 100 | 62 | 23.879 | 24.087 | 0.208 |
| 100 | 63 | 23.005 | 23.019 | 0.014 |
| 100 | 64 | 22.983 | 23.047 | 0.064 |
| 105 | 65 | 23.494 | 23.526 | 0.032 |
| 105 | 66 | 23.987 | 23.915 | -0.072 |
| 105 | 67 | 23.606 | 23.657 | 0.051 |
| 105 | 68 | 23.435 | 23.540 | 0.105 |
| 105 | 69 | 23.712 | 24.045 | 0.333 |
| | Max | 24.040 | 24.087 | 0.333 |
| | Average | 23.452 | 23.441 | -0.011 |
| | Min | 22.760 | 22.722 | -0.658 |
| | Std Dev | 0.352 | 0.337 | 0.153 |




| | 5.169_tdly_Res1p18M_E | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.5 | mSec | | | | | | | | | |
| Min Limit | 20.5 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.153 | 22.909 | 23.219 | 22.836 | 23.113 | 22.933 | 23.272 | 22.938 | 23.238 | 22.722 | 23.526 |
| Average | 23.299 | 23.443 | 23.403 | 23.438 | 23.421 | 23.328 | 23.531 | 23.494 | 23.523 | 23.174 | 23.737 |
| Max | 23.391 | 23.812 | 23.849 | 23.769 | 23.963 | 23.602 | 23.803 | 23.875 | 24.038 | 24.087 | 24.045 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

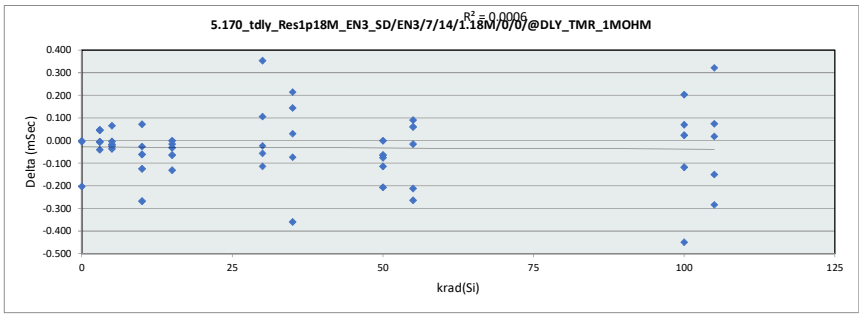


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

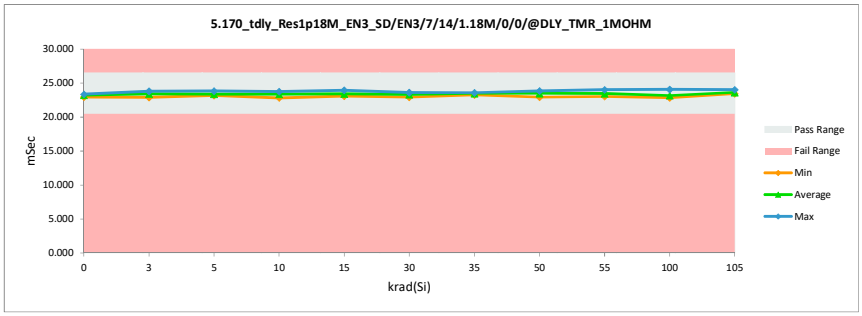
| | 5.170_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.345 | 23.344 | -0.001 |
| 0 | 14 | 23.382 | 23.378 | -0.004 |
| 0 | 15 | 23.169 | 22.967 | -0.202 |
| 3 | 20 | 23.627 | 23.674 | 0.047 |
| 3 | 21 | 23.817 | 23.812 | -0.005 |
| 3 | 22 | 23.615 | 23.662 | 0.047 |
| 3 | 23 | 22.940 | 22.900 | -0.040 |
| 3 | 24 | 23.121 | 23.117 | -0.004 |
| 5 | 25 | 23.361 | 23.427 | 0.066 |
| 5 | 26 | 23.859 | 23.842 | -0.017 |
| 5 | 27 | 23.235 | 23.211 | -0.024 |
| 5 | 28 | 23.272 | 23.269 | -0.003 |
| 5 | 29 | 23.259 | 23.223 | -0.036 |
| 10 | 30 | 23.486 | 23.460 | -0.026 |
| 10 | 31 | 23.889 | 23.765 | -0.124 |
| 10 | 32 | 23.415 | 23.148 | -0.267 |
| 10 | 33 | 23.806 | 23.746 | -0.060 |
| 10 | 34 | 22.759 | 22.832 | 0.073 |
| 15 | 35 | 23.105 | 23.105 | 0.000 |
| 15 | 36 | 23.150 | 23.119 | -0.031 |
| 15 | 37 | 23.792 | 23.662 | -0.130 |
| 15 | 38 | 24.033 | 23.970 | -0.063 |
| 15 | 39 | 23.231 | 23.216 | -0.015 |
| 30 | 40 | 23.727 | 23.614 | -0.113 |
| 30 | 41 | 23.138 | 23.245 | 0.107 |
| 30 | 42 | 23.306 | 23.283 | -0.023 |
| 30 | 43 | 23.588 | 23.532 | -0.056 |
| 30 | 44 | 22.572 | 22.926 | 0.354 |
| 35 | 45 | 23.548 | 23.475 | -0.073 |
| 35 | 46 | 23.957 | 23.598 | -0.359 |
| 35 | 47 | 23.235 | 23.266 | 0.031 |
| 35 | 48 | 23.269 | 23.484 | 0.215 |
| 35 | 49 | 23.452 | 23.597 | 0.145 |
| 50 | 50 | 23.744 | 23.744 | 0.000 |
| 50 | 51 | 23.467 | 23.404 | -0.063 |
| 50 | 52 | 23.690 | 23.484 | -0.206 |
| 50 | 53 | 23.983 | 23.870 | -0.113 |
| 50 | 54 | 22.999 | 22.924 | -0.075 |
| 55 | 55 | 23.054 | 23.039 | -0.015 |
| 55 | 56 | 23.584 | 23.321 | -0.263 |
| 55 | 57 | 23.935 | 24.026 | 0.091 |
| 55 | 58 | 23.172 | 23.233 | 0.061 |
| 55 | 59 | 23.972 | 23.761 | -0.211 |
| 100 | 60 | 23.374 | 22.925 | -0.449 |
| 100 | 61 | 22.916 | 22.987 | 0.071 |
| 100 | 62 | 23.876 | 24.080 | 0.204 |
| 100 | 63 | 22.997 | 23.021 | 0.024 |
| 100 | 64 | 22.975 | 22.858 | -0.117 |
| 105 | 65 | 23.491 | 23.510 | 0.019 |
| 105 | 66 | 23.982 | 23.699 | -0.283 |
| 105 | 67 | 23.598 | 23.449 | -0.149 |
| 105 | 68 | 23.457 | 23.532 | 0.075 |
| 105 | 69 | 23.706 | 24.028 | 0.322 |
| | Max | 24.033 | 24.080 | 0.354 |
| | Average | 23.442 | 23.411 | -0.031 |
| | Min | 22.572 | 22.832 | -0.449 |
| | Std Dev | 0.352 | 0.335 | 0.148 |




| | 5.170_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 22.967 | 22.900 | 23.211 | 22.832 | 23.105 | 22.926 | 23.266 | 22.924 | 23.039 | 22.858 | 23.449 |
| Average | 23.230 | 23.433 | 23.394 | 23.390 | 23.414 | 23.320 | 23.484 | 23.485 | 23.476 | 23.174 | 23.644 |
| Max | 23.378 | 23.812 | 23.842 | 23.765 | 23.970 | 23.614 | 23.598 | 23.870 | 24.026 | 24.080 | 24.028 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

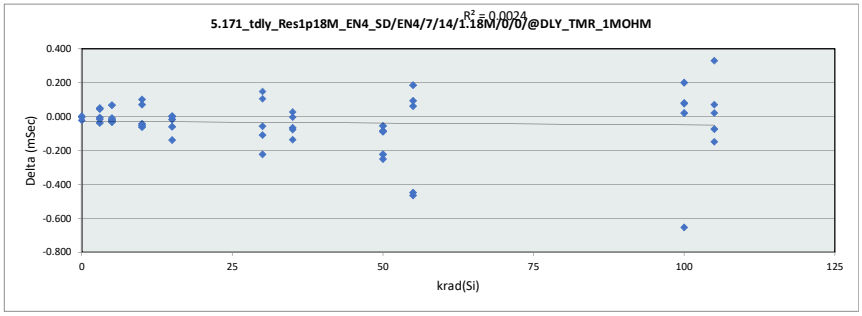


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

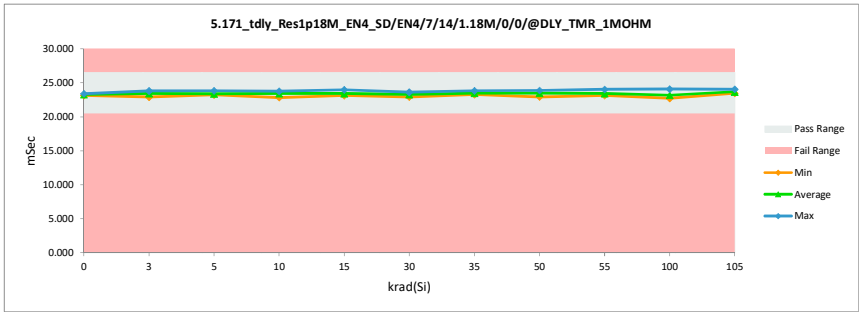
| | 5.171_tdly_Res1p18M_EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.5 |
| Min Limit | 20 | 20.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.355 | 23.353 | -0.002 |
| 0 | 14 | 23.387 | 23.391 | 0.004 |
| 0 | 15 | 23.177 | 23.156 | -0.021 |
| 3 | 20 | 23.637 | 23.688 | 0.051 |
| 3 | 21 | 23.823 | 23.808 | -0.015 |
| 3 | 22 | 23.621 | 23.667 | 0.046 |
| 3 | 23 | 22.941 | 22.905 | -0.036 |
| 3 | 24 | 23.126 | 23.121 | -0.005 |
| 5 | 25 | 23.370 | 23.439 | 0.069 |
| 5 | 26 | 23.864 | 23.846 | -0.018 |
| 5 | 27 | 23.238 | 23.216 | -0.022 |
| 5 | 28 | 23.278 | 23.270 | -0.008 |
| 5 | 29 | 23.265 | 23.234 | -0.031 |
| 10 | 30 | 23.508 | 23.467 | -0.041 |
| 10 | 31 | 23.669 | 23.771 | 0.102 |
| 10 | 32 | 23.406 | 23.356 | -0.050 |
| 10 | 33 | 23.813 | 23.752 | -0.061 |
| 10 | 34 | 22.764 | 22.836 | 0.072 |
| 15 | 35 | 23.110 | 23.113 | 0.003 |
| 15 | 36 | 23.142 | 23.126 | -0.016 |
| 15 | 37 | 23.798 | 23.661 | -0.137 |
| 15 | 38 | 24.039 | 23.980 | -0.059 |
| 15 | 39 | 23.237 | 23.239 | 0.002 |
| 30 | 40 | 23.732 | 23.624 | -0.108 |
| 30 | 41 | 23.145 | 23.251 | 0.106 |
| 30 | 42 | 23.314 | 23.092 | -0.222 |
| 30 | 43 | 23.595 | 23.539 | -0.056 |
| 30 | 44 | 22.783 | 22.932 | 0.149 |
| 35 | 45 | 23.556 | 23.480 | -0.076 |
| 35 | 46 | 23.962 | 23.827 | -0.135 |
| 35 | 47 | 23.243 | 23.271 | 0.028 |
| 35 | 48 | 23.498 | 23.496 | -0.002 |
| 35 | 49 | 23.467 | 23.402 | -0.065 |
| 50 | 50 | 23.995 | 23.746 | -0.249 |
| 50 | 51 | 23.460 | 23.406 | -0.054 |
| 50 | 52 | 23.712 | 23.490 | -0.222 |
| 50 | 53 | 23.964 | 23.877 | -0.087 |
| 50 | 54 | 23.005 | 22.923 | -0.082 |
| 55 | 55 | 23.064 | 23.250 | 0.186 |
| 55 | 56 | 23.588 | 23.124 | -0.464 |
| 55 | 57 | 23.941 | 24.035 | 0.094 |
| 55 | 58 | 23.162 | 23.225 | 0.063 |
| 55 | 59 | 23.982 | 23.535 | -0.447 |
| 100 | 60 | 23.379 | 22.727 | -0.652 |
| 100 | 61 | 22.921 | 23.002 | 0.081 |
| 100 | 62 | 23.885 | 24.086 | 0.201 |
| 100 | 63 | 23.004 | 23.026 | 0.022 |
| 100 | 64 | 22.981 | 23.059 | 0.078 |
| 105 | 65 | 23.499 | 23.522 | 0.023 |
| 105 | 66 | 23.989 | 23.916 | -0.073 |
| 105 | 67 | 23.603 | 23.456 | -0.147 |
| 105 | 68 | 23.464 | 23.536 | 0.072 |
| 105 | 69 | 23.712 | 24.043 | 0.331 |
| | Max | 24.039 | 24.086 | 0.331 |
| | Average | 23.456 | 23.421 | -0.035 |
| | Min | 22.764 | 22.727 | -0.652 |
| | Std Dev | 0.345 | 0.338 | 0.160 |




| | 5.171_tdly_Res1p18M_E | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.5 | mSec |
| Min Limit | 20.5 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 | 20.500 |
| Min | 23.156 | 22.905 | 23.216 | 22.836 | 23.113 | 22.932 | 23.271 | 22.923 | 23.124 | 22.727 | 23.456 |
| Average | 23.300 | 23.438 | 23.401 | 23.436 | 23.424 | 23.288 | 23.495 | 23.488 | 23.434 | 23.180 | 23.695 |
| Max | 23.391 | 23.808 | 23.846 | 23.771 | 23.980 | 23.624 | 23.827 | 23.877 | 24.035 | 24.086 | 24.043 |
| UL | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 | 26.500 |

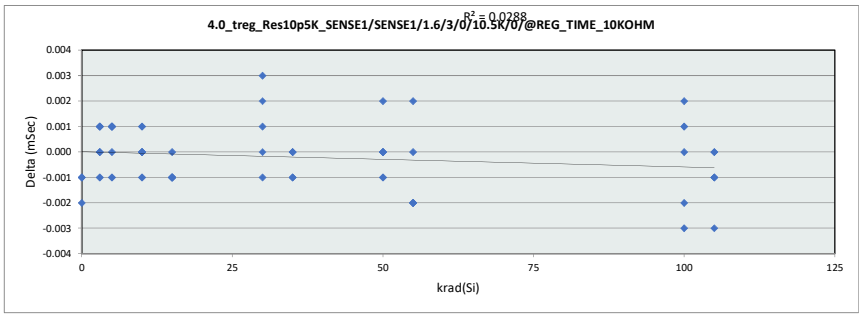


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

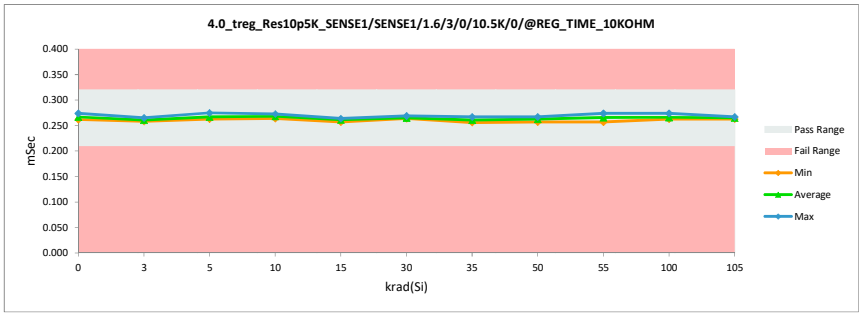
| | 4.0_treg_Res10p5K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.264 | -0.001 |
| 0 | 14 | 0.264 | 0.262 | -0.002 |
| 0 | 15 | 0.275 | 0.274 | -0.001 |
| 3 | 20 | 0.263 | 0.262 | -0.001 |
| 3 | 21 | 0.257 | 0.258 | 0.001 |
| 3 | 22 | 0.265 | 0.265 | 0.000 |
| 3 | 23 | 0.257 | 0.258 | 0.001 |
| 3 | 24 | 0.262 | 0.262 | 0.000 |
| 5 | 25 | 0.274 | 0.275 | 0.001 |
| 5 | 26 | 0.267 | 0.268 | 0.001 |
| 5 | 27 | 0.263 | 0.263 | 0.000 |
| 5 | 28 | 0.263 | 0.264 | 0.001 |
| 5 | 29 | 0.266 | 0.265 | -0.001 |
| 10 | 30 | 0.274 | 0.273 | -0.001 |
| 10 | 31 | 0.272 | 0.273 | 0.001 |
| 10 | 32 | 0.264 | 0.264 | 0.000 |
| 10 | 33 | 0.266 | 0.266 | 0.000 |
| 10 | 34 | 0.265 | 0.265 | 0.000 |
| 15 | 35 | 0.264 | 0.263 | -0.001 |
| 15 | 36 | 0.263 | 0.262 | -0.001 |
| 15 | 37 | 0.258 | 0.257 | -0.001 |
| 15 | 38 | 0.264 | 0.264 | 0.000 |
| 15 | 39 | 0.263 | 0.262 | -0.001 |
| 30 | 40 | 0.265 | 0.264 | -0.001 |
| 30 | 41 | 0.264 | 0.266 | 0.002 |
| 30 | 42 | 0.264 | 0.264 | 0.000 |
| 30 | 43 | 0.263 | 0.264 | 0.001 |
| 30 | 44 | 0.266 | 0.269 | 0.003 |
| 35 | 45 | 0.267 | 0.267 | 0.000 |
| 35 | 46 | 0.257 | 0.256 | -0.001 |
| 35 | 47 | 0.264 | 0.264 | 0.000 |
| 35 | 48 | 0.258 | 0.257 | -0.001 |
| 35 | 49 | 0.261 | 0.261 | 0.000 |
| 50 | 50 | 0.263 | 0.263 | 0.000 |
| 50 | 51 | 0.265 | 0.267 | 0.002 |
| 50 | 52 | 0.265 | 0.264 | -0.001 |
| 50 | 53 | 0.257 | 0.257 | 0.000 |
| 50 | 54 | 0.263 | 0.263 | 0.000 |
| 55 | 55 | 0.263 | 0.265 | 0.002 |
| 55 | 56 | 0.268 | 0.266 | -0.002 |
| 55 | 57 | 0.276 | 0.274 | -0.002 |
| 55 | 58 | 0.269 | 0.267 | -0.002 |
| 55 | 59 | 0.257 | 0.257 | 0.000 |
| 100 | 60 | 0.263 | 0.265 | 0.002 |
| 100 | 61 | 0.266 | 0.263 | -0.003 |
| 100 | 62 | 0.276 | 0.274 | -0.002 |
| 100 | 63 | 0.265 | 0.266 | 0.001 |
| 100 | 64 | 0.263 | 0.263 | 0.000 |
| 105 | 65 | 0.264 | 0.264 | 0.000 |
| 105 | 66 | 0.263 | 0.263 | 0.000 |
| 105 | 67 | 0.267 | 0.266 | -0.001 |
| 105 | 68 | 0.268 | 0.265 | -0.003 |
| 105 | 69 | 0.268 | 0.267 | -0.001 |
| | Max | 0.276 | 0.275 | 0.003 |
| | Average | 0.265 | 0.265 | 0.000 |
| | Min | 0.257 | 0.256 | -0.003 |
| | Std Dev | 0.005 | 0.004 | 0.001 |




| | 4.0_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.32 | mSec |
| Min Limit | 0.21 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.262 | 0.258 | 0.263 | 0.264 | 0.257 | 0.264 | 0.256 | 0.257 | 0.257 | 0.263 | 0.263 |
| Average | 0.267 | 0.261 | 0.267 | 0.268 | 0.262 | 0.265 | 0.261 | 0.263 | 0.266 | 0.266 | 0.265 |
| Max | 0.274 | 0.265 | 0.275 | 0.273 | 0.264 | 0.269 | 0.267 | 0.267 | 0.274 | 0.274 | 0.267 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

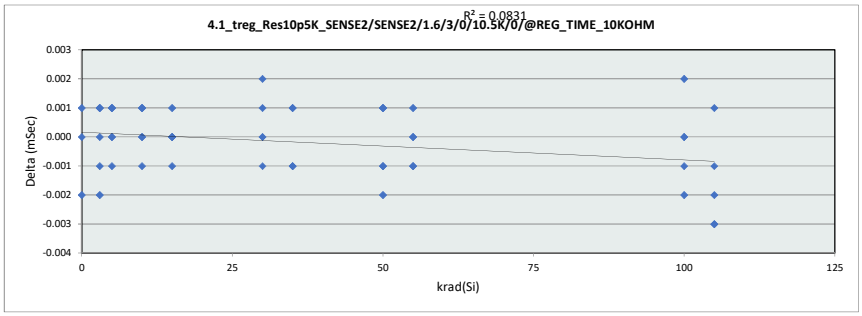


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

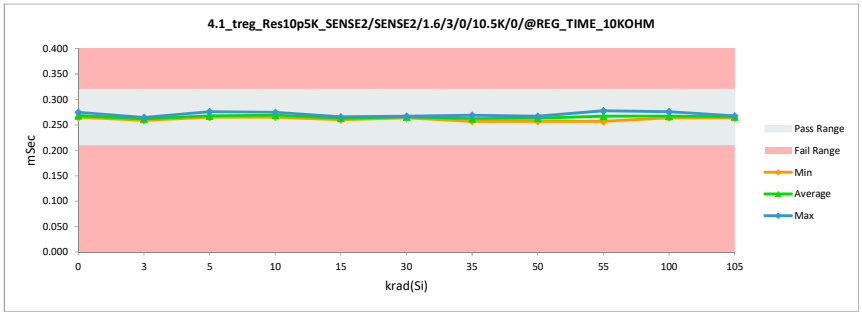
| | 4.1_treg_Res10p5K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.267 | 0.265 | -0.002 |
| 0 | 14 | 0.264 | 0.265 | 0.001 |
| 0 | 15 | 0.275 | 0.275 | 0.000 |
| 3 | 20 | 0.264 | 0.265 | 0.001 |
| 3 | 21 | 0.259 | 0.260 | 0.001 |
| 3 | 22 | 0.267 | 0.265 | -0.002 |
| 3 | 23 | 0.260 | 0.259 | -0.001 |
| 3 | 24 | 0.262 | 0.262 | 0.000 |
| 5 | 25 | 0.276 | 0.276 | 0.000 |
| 5 | 26 | 0.268 | 0.267 | -0.001 |
| 5 | 27 | 0.264 | 0.265 | 0.001 |
| 5 | 28 | 0.264 | 0.265 | 0.001 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.274 | 0.275 | 0.001 |
| 10 | 31 | 0.275 | 0.275 | 0.000 |
| 10 | 32 | 0.265 | 0.265 | 0.000 |
| 10 | 33 | 0.268 | 0.267 | -0.001 |
| 10 | 34 | 0.264 | 0.265 | 0.001 |
| 15 | 35 | 0.263 | 0.263 | 0.000 |
| 15 | 36 | 0.265 | 0.265 | 0.000 |
| 15 | 37 | 0.259 | 0.260 | 0.001 |
| 15 | 38 | 0.266 | 0.266 | 0.000 |
| 15 | 39 | 0.265 | 0.264 | -0.001 |
| 30 | 40 | 0.265 | 0.267 | 0.002 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.265 | 0.265 | 0.000 |
| 30 | 43 | 0.265 | 0.264 | -0.001 |
| 30 | 44 | 0.267 | 0.267 | 0.000 |
| 35 | 45 | 0.268 | 0.269 | 0.001 |
| 35 | 46 | 0.258 | 0.257 | -0.001 |
| 35 | 47 | 0.265 | 0.266 | 0.001 |
| 35 | 48 | 0.259 | 0.258 | -0.001 |
| 35 | 49 | 0.263 | 0.262 | -0.001 |
| 50 | 50 | 0.265 | 0.263 | -0.002 |
| 50 | 51 | 0.266 | 0.267 | 0.001 |
| 50 | 52 | 0.266 | 0.265 | -0.001 |
| 50 | 53 | 0.258 | 0.257 | -0.001 |
| 50 | 54 | 0.264 | 0.265 | 0.001 |
| 55 | 55 | 0.266 | 0.265 | -0.001 |
| 55 | 56 | 0.267 | 0.267 | 0.000 |
| 55 | 57 | 0.277 | 0.278 | 0.001 |
| 55 | 58 | 0.269 | 0.269 | 0.000 |
| 55 | 59 | 0.258 | 0.257 | -0.001 |
| 100 | 60 | 0.264 | 0.266 | 0.002 |
| 100 | 61 | 0.267 | 0.265 | -0.002 |
| 100 | 62 | 0.277 | 0.276 | -0.001 |
| 100 | 63 | 0.266 | 0.266 | 0.000 |
| 100 | 64 | 0.264 | 0.264 | 0.000 |
| 105 | 65 | 0.265 | 0.264 | -0.001 |
| 105 | 66 | 0.264 | 0.265 | 0.001 |
| 105 | 67 | 0.269 | 0.267 | -0.002 |
| 105 | 68 | 0.269 | 0.266 | -0.003 |
| 105 | 69 | 0.271 | 0.268 | -0.003 |
| | Max | 0.277 | 0.278 | 0.002 |
| | Average | 0.266 | 0.266 | 0.000 |
| | Min | 0.258 | 0.257 | -0.003 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.1_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.32 | mSec |
| Min Limit | 0.21 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.265 | 0.259 | 0.265 | 0.265 | 0.260 | 0.264 | 0.257 | 0.257 | 0.257 | 0.264 | 0.264 |
| Average | 0.268 | 0.262 | 0.268 | 0.269 | 0.264 | 0.266 | 0.262 | 0.263 | 0.267 | 0.267 | 0.266 |
| Max | 0.275 | 0.265 | 0.276 | 0.275 | 0.266 | 0.267 | 0.269 | 0.267 | 0.278 | 0.276 | 0.268 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

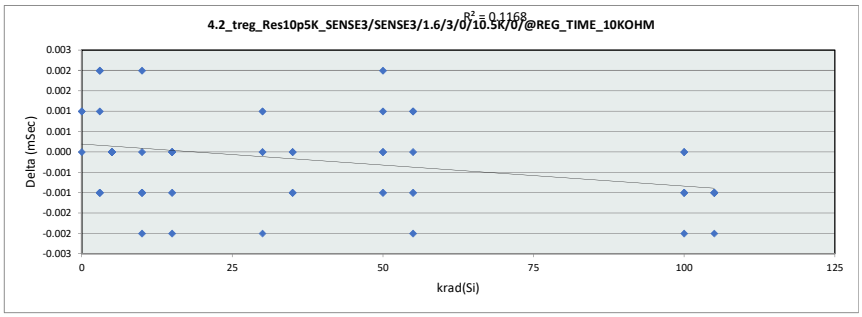


# TID HDR Report
# TPS7H3014-SP

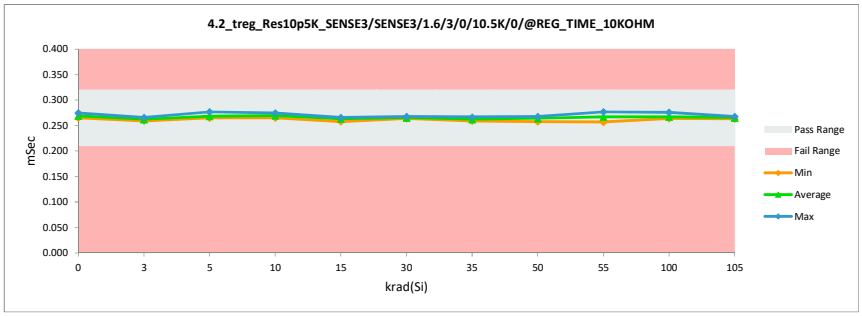
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.2_treg_Res10p5K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.267 | 0.001 |
| 0 | 14 | 0.264 | 0.265 | 0.001 |
| 0 | 15 | 0.275 | 0.275 | 0.000 |
| 3 | 20 | 0.263 | 0.265 | 0.002 |
| 3 | 21 | 0.258 | 0.260 | 0.002 |
| 3 | 22 | 0.267 | 0.266 | -0.001 |
| 3 | 23 | 0.258 | 0.259 | 0.001 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.277 | 0.277 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.265 | 0.265 | 0.000 |
| 5 | 28 | 0.265 | 0.265 | 0.000 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.276 | 0.275 | -0.001 |
| 10 | 31 | 0.273 | 0.275 | 0.002 |
| 10 | 32 | 0.267 | 0.265 | -0.002 |
| 10 | 33 | 0.268 | 0.267 | -0.001 |
| 10 | 34 | 0.266 | 0.266 | 0.000 |
| 15 | 35 | 0.264 | 0.264 | 0.000 |
| 15 | 36 | 0.264 | 0.264 | 0.000 |
| 15 | 37 | 0.259 | 0.258 | -0.001 |
| 15 | 38 | 0.268 | 0.266 | -0.002 |
| 15 | 39 | 0.265 | 0.265 | 0.000 |
| 30 | 40 | 0.267 | 0.265 | -0.002 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.265 | 0.266 | 0.001 |
| 30 | 43 | 0.264 | 0.264 | 0.000 |
| 30 | 44 | 0.268 | 0.268 | 0.000 |
| 35 | 45 | 0.267 | 0.267 | 0.000 |
| 35 | 46 | 0.259 | 0.259 | 0.000 |
| 35 | 47 | 0.265 | 0.265 | 0.000 |
| 35 | 48 | 0.260 | 0.259 | -0.001 |
| 35 | 49 | 0.263 | 0.262 | -0.001 |
| 50 | 50 | 0.266 | 0.265 | -0.001 |
| 50 | 51 | 0.268 | 0.268 | 0.000 |
| 50 | 52 | 0.265 | 0.266 | 0.001 |
| 50 | 53 | 0.258 | 0.258 | 0.000 |
| 50 | 54 | 0.263 | 0.265 | 0.002 |
| 55 | 55 | 0.266 | 0.266 | 0.000 |
| 55 | 56 | 0.266 | 0.267 | 0.001 |
| 55 | 57 | 0.278 | 0.277 | -0.001 |
| 55 | 58 | 0.269 | 0.270 | 0.001 |
| 55 | 59 | 0.259 | 0.257 | -0.002 |
| 100 | 60 | 0.266 | 0.265 | -0.001 |
| 100 | 61 | 0.266 | 0.264 | -0.002 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.267 | 0.267 | 0.000 |
| 100 | 64 | 0.265 | 0.264 | -0.001 |
| 105 | 65 | 0.266 | 0.265 | -0.001 |
| 105 | 66 | 0.264 | 0.263 | -0.001 |
| 105 | 67 | 0.268 | 0.267 | -0.001 |
| 105 | 68 | 0.268 | 0.266 | -0.002 |
| 105 | 69 | 0.269 | 0.268 | -0.001 |
| | Max | 0.278 | 0.277 | 0.002 |
| | Average | 0.266 | 0.266 | 0.000 |
| | Min | 0.258 | 0.257 | -0.002 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.2_treg_Res10p5K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.265 | 0.259 | 0.265 | 0.265 | 0.258 | 0.264 | 0.259 | 0.258 | 0.257 | 0.264 | 0.263 |
| Average | 0.269 | 0.263 | 0.268 | 0.270 | 0.263 | 0.266 | 0.262 | 0.264 | 0.267 | 0.267 | 0.266 |
| Max | 0.275 | 0.266 | 0.277 | 0.275 | 0.266 | 0.268 | 0.267 | 0.268 | 0.277 | 0.276 | 0.268 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

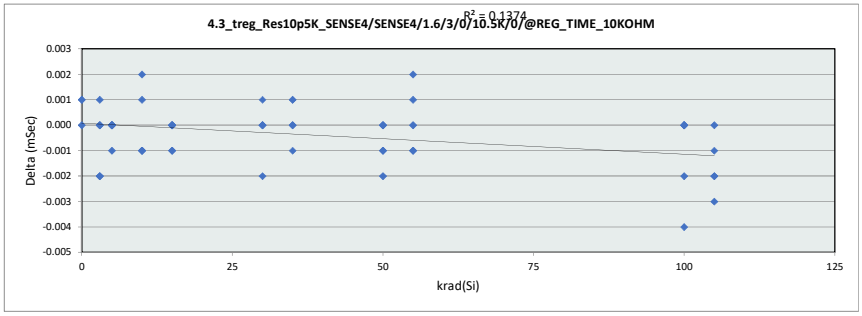


# TID HDR Report
# TPS7H3014-SP

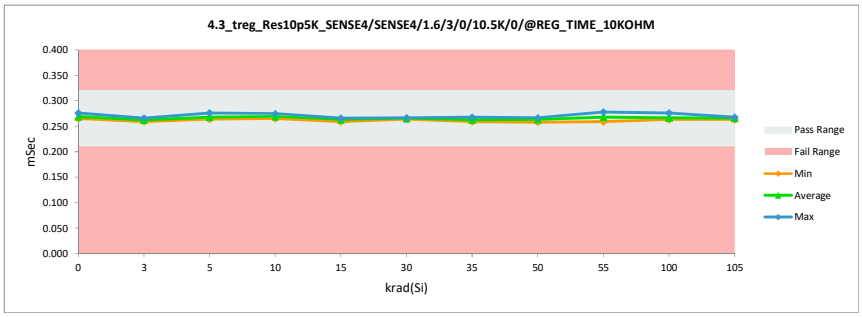
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.3_treg_Res10p5K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.266 | 0.001 |
| 0 | 14 | 0.265 | 0.265 | 0.000 |
| 0 | 15 | 0.275 | 0.276 | 0.001 |
| 3 | 20 | 0.264 | 0.264 | 0.000 |
| 3 | 21 | 0.261 | 0.259 | -0.002 |
| 3 | 22 | 0.268 | 0.266 | -0.002 |
| 3 | 23 | 0.258 | 0.259 | 0.001 |
| 3 | 24 | 0.262 | 0.262 | 0.000 |
| 5 | 25 | 0.276 | 0.276 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.266 | 0.265 | -0.001 |
| 5 | 28 | 0.264 | 0.264 | 0.000 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.276 | 0.275 | -0.001 |
| 10 | 31 | 0.273 | 0.275 | 0.002 |
| 10 | 32 | 0.265 | 0.266 | 0.001 |
| 10 | 33 | 0.267 | 0.266 | -0.001 |
| 10 | 34 | 0.266 | 0.265 | -0.001 |
| 15 | 35 | 0.264 | 0.263 | -0.001 |
| 15 | 36 | 0.264 | 0.263 | -0.001 |
| 15 | 37 | 0.259 | 0.259 | 0.000 |
| 15 | 38 | 0.266 | 0.266 | 0.000 |
| 15 | 39 | 0.264 | 0.264 | 0.000 |
| 30 | 40 | 0.266 | 0.266 | 0.000 |
| 30 | 41 | 0.266 | 0.266 | 0.000 |
| 30 | 42 | 0.266 | 0.264 | -0.002 |
| 30 | 43 | 0.265 | 0.265 | 0.000 |
| 30 | 44 | 0.266 | 0.267 | 0.001 |
| 35 | 45 | 0.267 | 0.268 | 0.001 |
| 35 | 46 | 0.258 | 0.259 | 0.001 |
| 35 | 47 | 0.265 | 0.265 | 0.000 |
| 35 | 48 | 0.260 | 0.259 | -0.001 |
| 35 | 49 | 0.263 | 0.263 | 0.000 |
| 50 | 50 | 0.266 | 0.264 | -0.002 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.266 | 0.265 | -0.001 |
| 50 | 53 | 0.258 | 0.258 | 0.000 |
| 50 | 54 | 0.264 | 0.263 | -0.001 |
| 55 | 55 | 0.265 | 0.265 | 0.000 |
| 55 | 56 | 0.266 | 0.268 | 0.002 |
| 55 | 57 | 0.279 | 0.278 | -0.001 |
| 55 | 58 | 0.270 | 0.269 | -0.001 |
| 55 | 59 | 0.258 | 0.259 | 0.001 |
| 100 | 60 | 0.265 | 0.265 | 0.000 |
| 100 | 61 | 0.267 | 0.263 | -0.004 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.267 | 0.267 | 0.000 |
| 100 | 64 | 0.265 | 0.263 | -0.002 |
| 105 | 65 | 0.266 | 0.266 | 0.000 |
| 105 | 66 | 0.264 | 0.263 | -0.001 |
| 105 | 67 | 0.268 | 0.266 | -0.002 |
| 105 | 68 | 0.269 | 0.267 | -0.002 |
| 105 | 69 | 0.271 | 0.268 | -0.003 |
| | Max | 0.279 | 0.278 | 0.002 |
| | Average | 0.266 | 0.266 | 0.000 |
| | Min | 0.258 | 0.258 | -0.004 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.3_treg_Res10p5K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.265 | 0.259 | 0.264 | 0.265 | 0.259 | 0.264 | 0.259 | 0.258 | 0.259 | 0.263 | 0.263 |
| Average | 0.269 | 0.262 | 0.268 | 0.269 | 0.263 | 0.266 | 0.263 | 0.263 | 0.268 | 0.267 | 0.266 |
| Max | 0.276 | 0.266 | 0.276 | 0.275 | 0.266 | 0.267 | 0.268 | 0.267 | 0.278 | 0.276 | 0.268 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

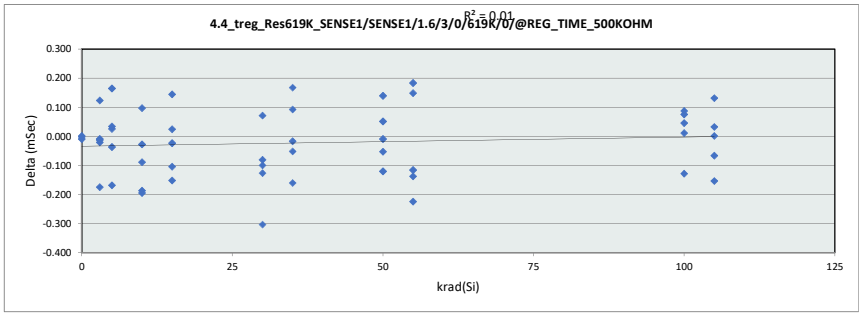


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

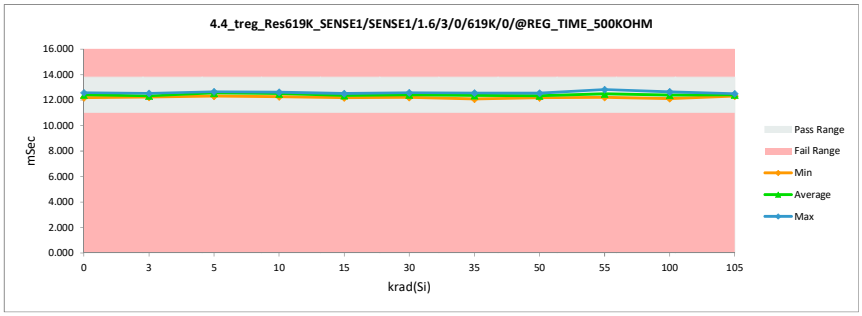
| | 4.4_treg_Res619K_SENSE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.456 | 12.458 | 0.002 |
| 0 | 14 | 12.187 | 12.186 | -0.001 |
| 0 | 15 | 12.597 | 12.588 | -0.009 |
| 3 | 20 | 12.149 | 12.273 | 0.124 |
| 3 | 21 | 12.378 | 12.369 | -0.009 |
| 3 | 22 | 12.538 | 12.526 | -0.012 |
| 3 | 23 | 12.281 | 12.261 | -0.020 |
| 3 | 24 | 12.407 | 12.233 | -0.174 |
| 5 | 25 | 12.831 | 12.663 | -0.168 |
| 5 | 26 | 12.694 | 12.658 | -0.036 |
| 5 | 27 | 12.317 | 12.482 | 0.165 |
| 5 | 28 | 12.282 | 12.317 | 0.035 |
| 5 | 29 | 12.638 | 12.664 | 0.026 |
| 10 | 30 | 12.461 | 12.559 | 0.098 |
| 10 | 31 | 12.819 | 12.625 | -0.194 |
| 10 | 32 | 12.680 | 12.592 | -0.088 |
| 10 | 33 | 12.460 | 12.274 | -0.186 |
| 10 | 34 | 12.521 | 12.494 | -0.027 |
| 15 | 35 | 12.338 | 12.187 | -0.151 |
| 15 | 36 | 12.312 | 12.457 | 0.145 |
| 15 | 37 | 12.413 | 12.438 | 0.025 |
| 15 | 38 | 12.539 | 12.516 | -0.023 |
| 15 | 39 | 12.334 | 12.230 | -0.104 |
| 30 | 40 | 12.150 | 12.222 | 0.072 |
| 30 | 41 | 12.397 | 12.298 | -0.099 |
| 30 | 42 | 12.889 | 12.586 | -0.303 |
| 30 | 43 | 12.559 | 12.433 | -0.126 |
| 30 | 44 | 12.652 | 12.572 | -0.080 |
| 35 | 45 | 12.606 | 12.555 | -0.051 |
| 35 | 46 | 12.276 | 12.444 | 0.168 |
| 35 | 47 | 12.405 | 12.389 | -0.016 |
| 35 | 48 | 12.218 | 12.311 | 0.093 |
| 35 | 49 | 12.250 | 12.090 | -0.160 |
| 50 | 50 | 12.316 | 12.368 | 0.052 |
| 50 | 51 | 12.408 | 12.548 | 0.140 |
| 50 | 52 | 12.493 | 12.441 | -0.052 |
| 50 | 53 | 12.297 | 12.177 | -0.120 |
| 50 | 54 | 12.234 | 12.225 | -0.009 |
| 55 | 55 | 12.440 | 12.303 | -0.137 |
| 55 | 56 | 12.590 | 12.475 | -0.115 |
| 55 | 57 | 12.688 | 12.837 | 0.149 |
| 55 | 58 | 12.420 | 12.604 | 0.184 |
| 55 | 59 | 12.446 | 12.222 | -0.224 |
| 100 | 60 | 12.362 | 12.374 | 0.012 |
| 100 | 61 | 12.086 | 12.132 | 0.046 |
| 100 | 62 | 12.771 | 12.643 | -0.128 |
| 100 | 63 | 12.466 | 12.542 | 0.076 |
| 100 | 64 | 12.129 | 12.217 | 0.088 |
| 105 | 65 | 12.462 | 12.464 | 0.002 |
| 105 | 66 | 12.188 | 12.320 | 0.132 |
| 105 | 67 | 12.496 | 12.430 | -0.066 |
| 105 | 68 | 12.597 | 12.444 | -0.153 |
| 105 | 69 | 12.472 | 12.505 | 0.033 |
| | Max | 12.889 | 12.837 | 0.184 |
| | Average | 12.441 | 12.419 | -0.022 |
| | Min | 12.086 | 12.090 | -0.303 |
| | Std Dev | 0.189 | 0.166 | 0.114 |




| | 4.4_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 13.8 | mSec |
| Min Limit | 11 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.186 | 12.233 | 12.317 | 12.274 | 12.187 | 12.222 | 12.090 | 12.177 | 12.222 | 12.132 | 12.320 |
| Average | 12.411 | 12.332 | 12.557 | 12.509 | 12.366 | 12.422 | 12.358 | 12.352 | 12.488 | 12.382 | 12.433 |
| Max | 12.588 | 12.526 | 12.664 | 12.625 | 12.516 | 12.586 | 12.555 | 12.548 | 12.837 | 12.643 | 12.505 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

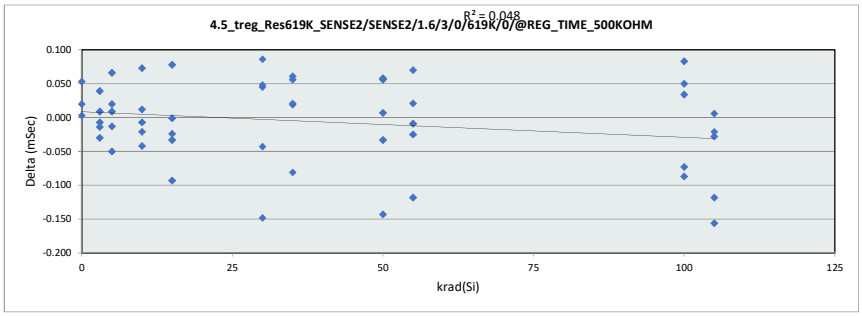


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

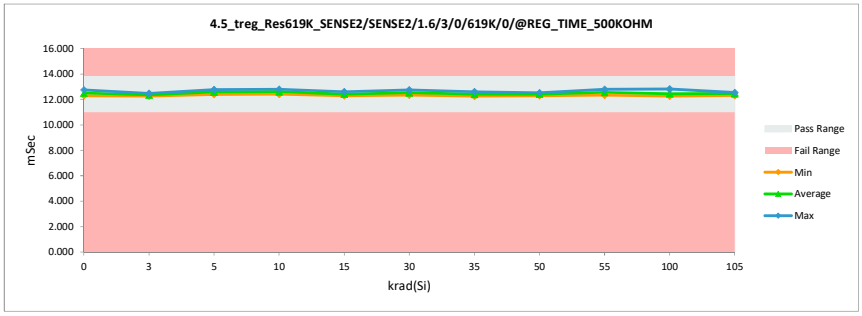
| | 4.5_treg_Res619K_SENSE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.397 | 12.450 | 0.053 |
| 0 | 14 | 12.278 | 12.298 | 0.020 |
| 0 | 15 | 12.751 | 12.754 | 0.003 |
| 3 | 20 | 12.280 | 12.273 | -0.007 |
| 3 | 21 | 12.300 | 12.286 | -0.014 |
| 3 | 22 | 12.514 | 12.484 | -0.030 |
| 3 | 23 | 12.363 | 12.372 | 0.009 |
| 3 | 24 | 12.341 | 12.380 | 0.039 |
| 5 | 25 | 12.746 | 12.766 | 0.020 |
| 5 | 26 | 12.639 | 12.705 | 0.066 |
| 5 | 27 | 12.485 | 12.472 | -0.013 |
| 5 | 28 | 12.451 | 12.401 | -0.050 |
| 5 | 29 | 12.620 | 12.629 | 0.009 |
| 10 | 30 | 12.617 | 12.610 | -0.007 |
| 10 | 31 | 12.733 | 12.806 | 0.073 |
| 10 | 32 | 12.638 | 12.650 | 0.012 |
| 10 | 33 | 12.450 | 12.408 | -0.042 |
| 10 | 34 | 12.657 | 12.636 | -0.021 |
| 15 | 35 | 12.346 | 12.313 | -0.033 |
| 15 | 36 | 12.394 | 12.472 | 0.078 |
| 15 | 37 | 12.419 | 12.418 | -0.001 |
| 15 | 38 | 12.706 | 12.613 | -0.093 |
| 15 | 39 | 12.320 | 12.296 | -0.024 |
| 30 | 40 | 12.266 | 12.352 | 0.086 |
| 30 | 41 | 12.360 | 12.408 | 0.048 |
| 30 | 42 | 12.884 | 12.736 | -0.148 |
| 30 | 43 | 12.563 | 12.520 | -0.043 |
| 30 | 44 | 12.613 | 12.658 | 0.045 |
| 35 | 45 | 12.587 | 12.606 | 0.019 |
| 35 | 46 | 12.383 | 12.439 | 0.056 |
| 35 | 47 | 12.582 | 12.501 | -0.081 |
| 35 | 48 | 12.234 | 12.255 | 0.021 |
| 35 | 49 | 12.192 | 12.253 | 0.061 |
| 50 | 50 | 12.336 | 12.392 | 0.056 |
| 50 | 51 | 12.560 | 12.527 | -0.033 |
| 50 | 52 | 12.649 | 12.506 | -0.143 |
| 50 | 53 | 12.285 | 12.292 | 0.007 |
| 50 | 54 | 12.344 | 12.402 | 0.058 |
| 55 | 55 | 12.444 | 12.465 | 0.021 |
| 55 | 56 | 12.567 | 12.637 | 0.070 |
| 55 | 57 | 12.821 | 12.796 | -0.025 |
| 55 | 58 | 12.588 | 12.579 | -0.009 |
| 55 | 59 | 12.451 | 12.333 | -0.118 |
| 100 | 60 | 12.374 | 12.301 | -0.073 |
| 100 | 61 | 12.231 | 12.265 | 0.034 |
| 100 | 62 | 12.902 | 12.815 | -0.087 |
| 100 | 63 | 12.483 | 12.533 | 0.050 |
| 100 | 64 | 12.262 | 12.345 | 0.083 |
| 105 | 65 | 12.539 | 12.545 | 0.006 |
| 105 | 66 | 12.339 | 12.311 | -0.028 |
| 105 | 67 | 12.662 | 12.506 | -0.156 |
| 105 | 68 | 12.583 | 12.465 | -0.118 |
| 105 | 69 | 12.530 | 12.509 | -0.021 |
| | Max | 12.902 | 12.815 | 0.086 |
| | Average | 12.492 | 12.486 | -0.006 |
| | Min | 12.192 | 12.253 | -0.156 |
| | Std Dev | 0.177 | 0.160 | 0.061 |




| | 4.5_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 13.8 | mSec |
| Min Limit | 11 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.298 | 12.273 | 12.401 | 12.408 | 12.296 | 12.352 | 12.253 | 12.292 | 12.333 | 12.265 | 12.311 |
| Average | 12.501 | 12.359 | 12.595 | 12.622 | 12.422 | 12.535 | 12.411 | 12.424 | 12.562 | 12.452 | 12.467 |
| Max | 12.754 | 12.484 | 12.766 | 12.806 | 12.613 | 12.736 | 12.606 | 12.527 | 12.796 | 12.815 | 12.545 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

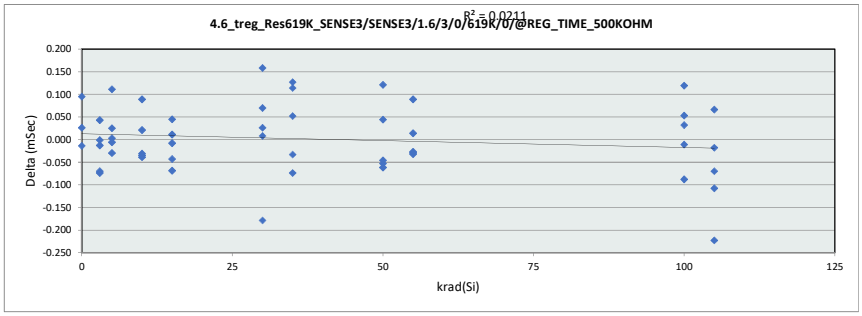


# TID HDR Report
# TPS7H3014-SP

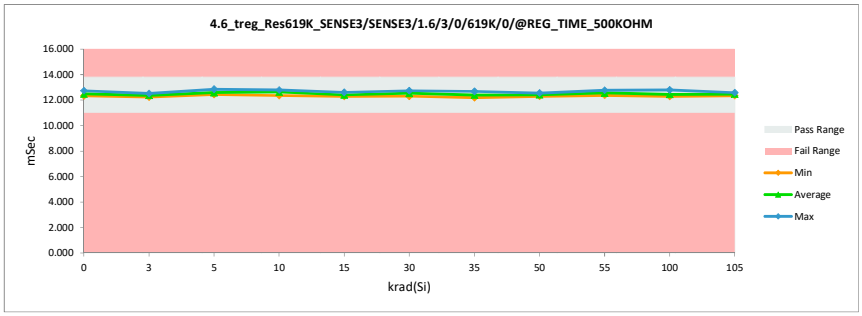
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.6_treg_Res619K_SENSE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.406 | 12.392 | -0.014 |
| 0 | 14 | 12.241 | 12.336 | 0.095 |
| 0 | 15 | 12.705 | 12.731 | 0.026 |
| 3 | 20 | 12.317 | 12.243 | -0.074 |
| 3 | 21 | 12.347 | 12.334 | -0.013 |
| 3 | 22 | 12.476 | 12.519 | 0.043 |
| 3 | 23 | 12.411 | 12.410 | -0.001 |
| 3 | 24 | 12.396 | 12.326 | -0.070 |
| 5 | 25 | 12.737 | 12.848 | 0.111 |
| 5 | 26 | 12.710 | 12.680 | -0.030 |
| 5 | 27 | 12.443 | 12.437 | -0.006 |
| 5 | 28 | 12.407 | 12.432 | 0.025 |
| 5 | 29 | 12.586 | 12.589 | 0.003 |
| 10 | 30 | 12.584 | 12.673 | 0.089 |
| 10 | 31 | 12.825 | 12.790 | -0.035 |
| 10 | 32 | 12.711 | 12.732 | 0.021 |
| 10 | 33 | 12.402 | 12.363 | -0.039 |
| 10 | 34 | 12.651 | 12.620 | -0.031 |
| 15 | 35 | 12.286 | 12.297 | 0.011 |
| 15 | 36 | 12.444 | 12.436 | -0.008 |
| 15 | 37 | 12.439 | 12.396 | -0.043 |
| 15 | 38 | 12.679 | 12.610 | -0.069 |
| 15 | 39 | 12.288 | 12.333 | 0.045 |
| 30 | 40 | 12.295 | 12.303 | 0.008 |
| 30 | 41 | 12.347 | 12.373 | 0.026 |
| 30 | 42 | 12.892 | 12.713 | -0.179 |
| 30 | 43 | 12.532 | 12.602 | 0.070 |
| 30 | 44 | 12.579 | 12.737 | 0.158 |
| 35 | 45 | 12.551 | 12.678 | 0.127 |
| 35 | 46 | 12.335 | 12.387 | 0.052 |
| 35 | 47 | 12.535 | 12.461 | -0.074 |
| 35 | 48 | 12.179 | 12.293 | 0.114 |
| 35 | 49 | 12.223 | 12.190 | -0.033 |
| 50 | 50 | 12.277 | 12.398 | 0.121 |
| 50 | 51 | 12.542 | 12.489 | -0.053 |
| 50 | 52 | 12.618 | 12.556 | -0.062 |
| 50 | 53 | 12.255 | 12.299 | 0.044 |
| 50 | 54 | 12.387 | 12.341 | -0.046 |
| 55 | 55 | 12.394 | 12.408 | 0.014 |
| 55 | 56 | 12.631 | 12.604 | -0.027 |
| 55 | 57 | 12.805 | 12.773 | -0.032 |
| 55 | 58 | 12.551 | 12.640 | 0.089 |
| 55 | 59 | 12.406 | 12.377 | -0.029 |
| 100 | 60 | 12.314 | 12.346 | 0.032 |
| 100 | 61 | 12.168 | 12.287 | 0.119 |
| 100 | 62 | 12.891 | 12.803 | -0.088 |
| 100 | 63 | 12.438 | 12.491 | 0.053 |
| 100 | 64 | 12.300 | 12.289 | -0.011 |
| 105 | 65 | 12.598 | 12.580 | -0.018 |
| 105 | 66 | 12.284 | 12.350 | 0.066 |
| 105 | 67 | 12.623 | 12.553 | -0.070 |
| 105 | 68 | 12.626 | 12.403 | -0.223 |
| 105 | 69 | 12.582 | 12.474 | -0.108 |
| | Max | 12.892 | 12.848 | 0.158 |
| | Average | 12.484 | 12.485 | 0.001 |
| | Min | 12.168 | 12.190 | -0.223 |
| | Std Dev | 0.184 | 0.169 | 0.075 |




| | 4.6_treg_Res619K_SENS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.336 | 12.243 | 12.432 | 12.363 | 12.297 | 12.303 | 12.190 | 12.299 | 12.377 | 12.287 | 12.350 |
| Average | 12.486 | 12.366 | 12.597 | 12.636 | 12.414 | 12.546 | 12.402 | 12.417 | 12.560 | 12.443 | 12.472 |
| Max | 12.731 | 12.519 | 12.848 | 12.790 | 12.610 | 12.737 | 12.678 | 12.556 | 12.773 | 12.803 | 12.580 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

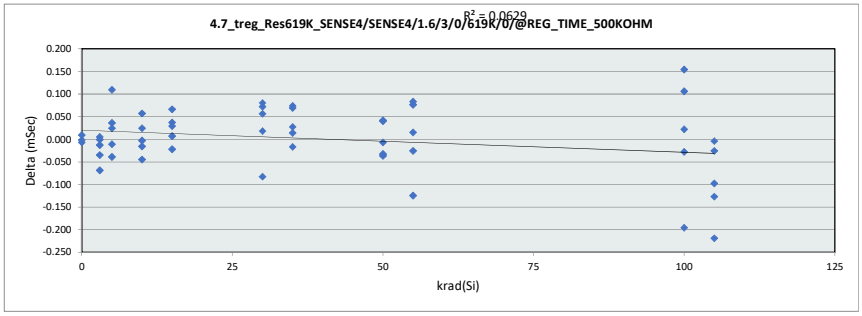


# TID HDR Report
# TPS7H3014-SP

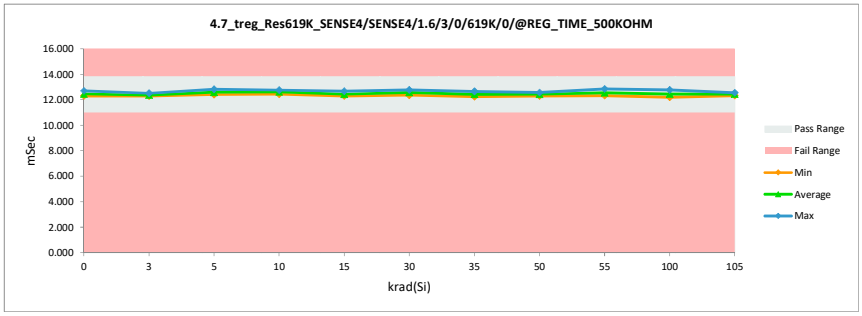
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.7_treg_Res619K_SENSE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.379 | 12.377 | -0.002 |
| 0 | 14 | 12.301 | 12.310 | 0.009 |
| 0 | 15 | 12.704 | 12.697 | -0.007 |
| 3 | 20 | 12.291 | 12.296 | 0.005 |
| 3 | 21 | 12.319 | 12.306 | -0.013 |
| 3 | 22 | 12.549 | 12.514 | -0.035 |
| 3 | 23 | 12.397 | 12.396 | -0.001 |
| 3 | 24 | 12.369 | 12.300 | -0.069 |
| 5 | 25 | 12.793 | 12.829 | 0.036 |
| 5 | 26 | 12.686 | 12.647 | -0.039 |
| 5 | 27 | 12.421 | 12.410 | -0.011 |
| 5 | 28 | 12.393 | 12.417 | 0.024 |
| 5 | 29 | 12.560 | 12.669 | 0.109 |
| 10 | 30 | 12.657 | 12.654 | -0.003 |
| 10 | 31 | 12.804 | 12.759 | -0.045 |
| 10 | 32 | 12.684 | 12.708 | 0.024 |
| 10 | 33 | 12.377 | 12.434 | 0.057 |
| 10 | 34 | 12.605 | 12.589 | -0.016 |
| 15 | 35 | 12.264 | 12.330 | 0.066 |
| 15 | 36 | 12.418 | 12.396 | -0.022 |
| 15 | 37 | 12.438 | 12.475 | 0.037 |
| 15 | 38 | 12.665 | 12.672 | 0.007 |
| 15 | 39 | 12.268 | 12.297 | 0.029 |
| 30 | 40 | 12.280 | 12.360 | 0.080 |
| 30 | 41 | 12.420 | 12.438 | 0.018 |
| 30 | 42 | 12.856 | 12.773 | -0.083 |
| 30 | 43 | 12.506 | 12.578 | 0.072 |
| 30 | 44 | 12.653 | 12.709 | 0.056 |
| 35 | 45 | 12.625 | 12.652 | 0.027 |
| 35 | 46 | 12.383 | 12.457 | 0.074 |
| 35 | 47 | 12.516 | 12.530 | 0.014 |
| 35 | 48 | 12.249 | 12.232 | -0.017 |
| 35 | 49 | 12.194 | 12.263 | 0.069 |
| 50 | 50 | 12.346 | 12.386 | 0.040 |
| 50 | 51 | 12.516 | 12.558 | 0.042 |
| 50 | 52 | 12.592 | 12.559 | -0.033 |
| 50 | 53 | 12.328 | 12.291 | -0.037 |
| 50 | 54 | 12.363 | 12.356 | -0.007 |
| 55 | 55 | 12.375 | 12.390 | 0.015 |
| 55 | 56 | 12.606 | 12.580 | -0.026 |
| 55 | 57 | 12.779 | 12.855 | 0.076 |
| 55 | 58 | 12.527 | 12.610 | 0.083 |
| 55 | 59 | 12.453 | 12.328 | -0.125 |
| 100 | 60 | 12.294 | 12.316 | 0.022 |
| 100 | 61 | 12.224 | 12.196 | -0.028 |
| 100 | 62 | 12.968 | 12.772 | -0.196 |
| 100 | 63 | 12.408 | 12.562 | 0.154 |
| 100 | 64 | 12.253 | 12.359 | 0.106 |
| 105 | 65 | 12.575 | 12.549 | -0.026 |
| 105 | 66 | 12.339 | 12.335 | -0.004 |
| 105 | 67 | 12.607 | 12.509 | -0.098 |
| 105 | 68 | 12.623 | 12.404 | -0.219 |
| 105 | 69 | 12.579 | 12.452 | -0.127 |
| | Max | 12.968 | 12.855 | 0.154 |
| | Average | 12.486 | 12.488 | 0.001 |
| | Min | 12.194 | 12.196 | -0.219 |
| | Std Dev | 0.181 | 0.169 | 0.070 |




| | 4.7_treg_Res619K_SENS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.310 | 12.296 | 12.410 | 12.434 | 12.297 | 12.360 | 12.232 | 12.291 | 12.328 | 12.196 | 12.335 |
| Average | 12.461 | 12.362 | 12.594 | 12.629 | 12.434 | 12.572 | 12.427 | 12.430 | 12.553 | 12.441 | 12.450 |
| Max | 12.697 | 12.514 | 12.829 | 12.759 | 12.672 | 12.773 | 12.652 | 12.559 | 12.855 | 12.772 | 12.549 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

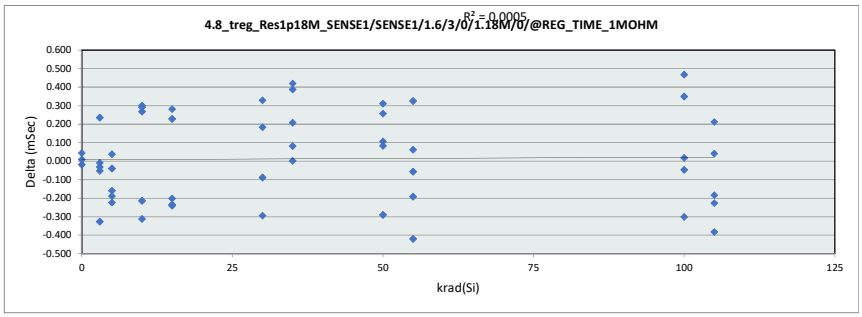


# TID HDR Report
# TPS7H3014-SP

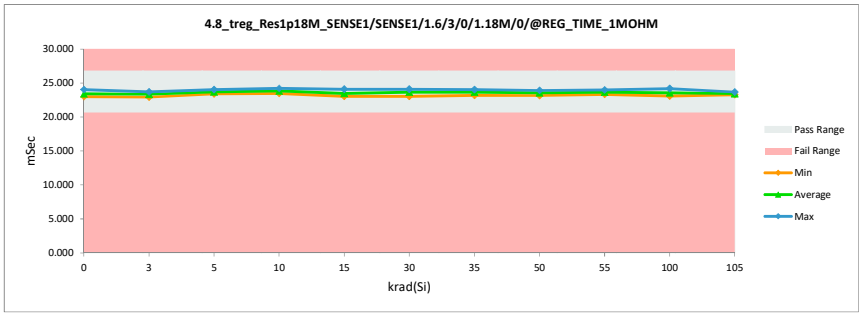
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.8_treg_Res1p18M_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.318 | 23.298 | -0.020 |
| 0 | 14 | 22.939 | 22.982 | 0.043 |
| 0 | 15 | 24.026 | 24.034 | 0.008 |
| 3 | 20 | 23.258 | 22.931 | -0.327 |
| 3 | 21 | 23.330 | 23.298 | -0.032 |
| 3 | 22 | 23.752 | 23.699 | -0.053 |
| 3 | 23 | 23.379 | 23.369 | -0.010 |
| 3 | 24 | 23.285 | 23.520 | 0.235 |
| 5 | 25 | 23.847 | 23.884 | 0.037 |
| 5 | 26 | 24.083 | 24.043 | -0.040 |
| 5 | 27 | 23.653 | 23.428 | -0.225 |
| 5 | 28 | 23.574 | 23.413 | -0.161 |
| 5 | 29 | 23.947 | 23.757 | -0.190 |
| 10 | 30 | 23.787 | 23.572 | -0.215 |
| 10 | 31 | 23.929 | 24.228 | 0.299 |
| 10 | 32 | 24.194 | 23.881 | -0.313 |
| 10 | 33 | 23.192 | 23.483 | 0.291 |
| 10 | 34 | 23.844 | 24.111 | 0.267 |
| 15 | 35 | 23.290 | 23.055 | -0.235 |
| 15 | 36 | 23.639 | 23.398 | -0.241 |
| 15 | 37 | 23.741 | 23.539 | -0.202 |
| 15 | 38 | 23.876 | 24.104 | 0.228 |
| 15 | 39 | 23.078 | 23.359 | 0.281 |
| 30 | 40 | 22.879 | 23.062 | 0.183 |
| 30 | 41 | 23.374 | 23.284 | -0.090 |
| 30 | 42 | 24.398 | 24.103 | -0.295 |
| 30 | 43 | 23.643 | 23.971 | 0.328 |
| 30 | 44 | 23.954 | 23.866 | -0.088 |
| 35 | 45 | 23.621 | 24.040 | 0.419 |
| 35 | 46 | 23.702 | 23.783 | 0.081 |
| 35 | 47 | 23.622 | 23.829 | 0.207 |
| 35 | 48 | 23.024 | 23.411 | 0.387 |
| 35 | 49 | 23.186 | 23.187 | 0.001 |
| 50 | 50 | 23.347 | 23.453 | 0.106 |
| 50 | 51 | 23.547 | 23.803 | 0.256 |
| 50 | 52 | 23.831 | 23.913 | 0.082 |
| 50 | 53 | 23.248 | 23.558 | 0.310 |
| 50 | 54 | 23.443 | 23.152 | -0.291 |
| 55 | 55 | 23.274 | 23.335 | 0.061 |
| 55 | 56 | 23.681 | 24.006 | 0.325 |
| 55 | 57 | 23.909 | 23.852 | -0.057 |
| 55 | 58 | 23.826 | 23.634 | -0.192 |
| 55 | 59 | 23.823 | 23.402 | -0.421 |
| 100 | 60 | 23.391 | 23.408 | 0.017 |
| 100 | 61 | 23.161 | 23.113 | -0.048 |
| 100 | 62 | 24.494 | 24.192 | -0.302 |
| 100 | 63 | 23.348 | 23.815 | 0.467 |
| 100 | 64 | 23.054 | 23.403 | 0.349 |
| 105 | 65 | 23.642 | 23.683 | 0.041 |
| 105 | 66 | 23.141 | 23.352 | 0.211 |
| 105 | 67 | 23.730 | 23.503 | -0.227 |
| 105 | 68 | 23.679 | 23.296 | -0.383 |
| 105 | 69 | 23.576 | 23.392 | -0.184 |
| | Max | 24.494 | 24.228 | 0.467 |
| | Average | 23.576 | 23.588 | 0.013 |
| | Min | 22.879 | 22.931 | -0.421 |
| | Std Dev | 0.359 | 0.339 | 0.235 |




| | 4.8_treg_Res1p18M_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 22.982 | 22.931 | 23.413 | 23.483 | 23.055 | 23.062 | 23.187 | 23.152 | 23.335 | 23.113 | 23.296 |
| Average | 23.438 | 23.363 | 23.705 | 23.855 | 23.491 | 23.657 | 23.650 | 23.576 | 23.646 | 23.586 | 23.445 |
| Max | 24.034 | 23.699 | 24.043 | 24.228 | 24.104 | 24.103 | 24.040 | 23.913 | 24.006 | 24.192 | 23.683 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

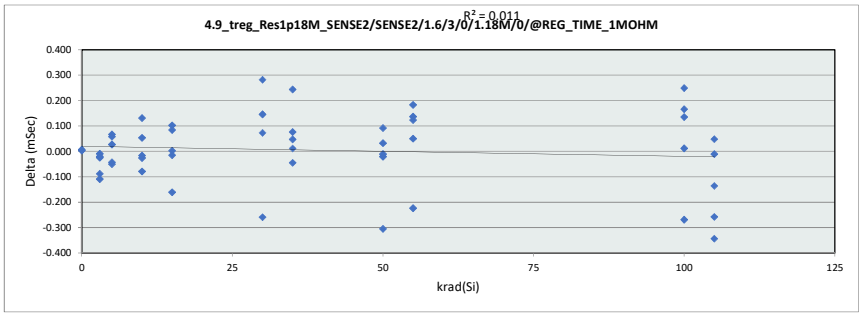


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

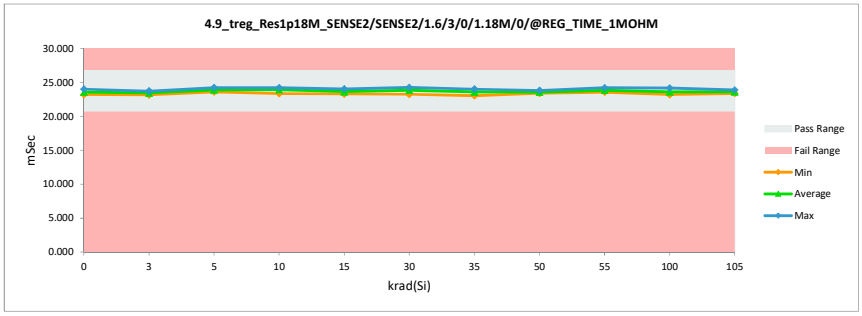
| | 4.9_treg_Res1p18M_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.512 | 23.517 | 0.005 |
| 0 | 14 | 23.201 | 23.208 | 0.007 |
| 0 | 15 | 24.020 | 24.023 | 0.003 |
| 3 | 20 | 23.261 | 23.173 | -0.088 |
| 3 | 21 | 23.526 | 23.505 | -0.021 |
| 3 | 22 | 23.746 | 23.721 | -0.025 |
| 3 | 23 | 23.594 | 23.584 | -0.010 |
| 3 | 24 | 23.468 | 23.359 | -0.109 |
| 5 | 25 | 24.195 | 24.253 | 0.058 |
| 5 | 26 | 24.064 | 24.021 | -0.043 |
| 5 | 27 | 23.655 | 23.605 | -0.050 |
| 5 | 28 | 23.578 | 23.645 | 0.067 |
| 5 | 29 | 23.924 | 23.951 | 0.027 |
| 10 | 30 | 23.778 | 23.762 | -0.016 |
| 10 | 31 | 24.080 | 24.211 | 0.131 |
| 10 | 32 | 24.197 | 24.250 | 0.053 |
| 10 | 33 | 23.397 | 23.371 | -0.026 |
| 10 | 34 | 24.193 | 24.114 | -0.079 |
| 15 | 35 | 23.313 | 23.298 | -0.015 |
| 15 | 36 | 23.650 | 23.652 | 0.002 |
| 15 | 37 | 23.705 | 23.807 | 0.102 |
| 15 | 38 | 24.206 | 24.045 | -0.161 |
| 15 | 39 | 23.346 | 23.430 | 0.084 |
| 30 | 40 | 23.118 | 23.264 | 0.146 |
| 30 | 41 | 23.427 | 23.500 | 0.073 |
| 30 | 42 | 24.522 | 24.263 | -0.259 |
| 30 | 43 | 23.820 | 23.965 | 0.145 |
| 30 | 44 | 23.938 | 24.220 | 0.282 |
| 35 | 45 | 23.779 | 24.023 | 0.244 |
| 35 | 46 | 23.713 | 23.789 | 0.076 |
| 35 | 47 | 23.803 | 23.814 | 0.011 |
| 35 | 48 | 23.250 | 23.297 | 0.047 |
| 35 | 49 | 23.110 | 23.065 | -0.045 |
| 50 | 50 | 23.388 | 23.420 | 0.032 |
| 50 | 51 | 23.734 | 23.826 | 0.092 |
| 50 | 52 | 24.057 | 23.752 | -0.305 |
| 50 | 53 | 23.459 | 23.438 | -0.021 |
| 50 | 54 | 23.468 | 23.457 | -0.011 |
| 55 | 55 | 23.504 | 23.554 | 0.050 |
| 55 | 56 | 23.866 | 23.989 | 0.123 |
| 55 | 57 | 24.082 | 24.218 | 0.136 |
| 55 | 58 | 23.647 | 23.830 | 0.183 |
| 55 | 59 | 23.829 | 23.605 | -0.224 |
| 100 | 60 | 23.432 | 23.444 | 0.012 |
| 100 | 61 | 23.066 | 23.201 | 0.135 |
| 100 | 62 | 24.449 | 24.180 | -0.269 |
| 100 | 63 | 23.561 | 23.810 | 0.249 |
| 100 | 64 | 23.281 | 23.447 | 0.166 |
| 105 | 65 | 23.839 | 23.887 | 0.048 |
| 105 | 66 | 23.406 | 23.395 | -0.011 |
| 105 | 67 | 23.944 | 23.686 | -0.258 |
| 105 | 68 | 23.871 | 23.527 | -0.344 |
| 105 | 69 | 23.741 | 23.605 | -0.136 |
| | Max | 24.522 | 24.263 | 0.282 |
| | Average | 23.693 | 23.698 | 0.005 |
| | Min | 23.066 | 23.065 | -0.344 |
| | Std Dev | 0.343 | 0.326 | 0.137 |




| | 4.9_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.208 | 23.173 | 23.605 | 23.371 | 23.298 | 23.264 | 23.065 | 23.420 | 23.554 | 23.201 | 23.395 |
| Average | 23.583 | 23.468 | 23.895 | 23.942 | 23.646 | 23.842 | 23.598 | 23.579 | 23.839 | 23.616 | 23.620 |
| Max | 24.023 | 23.721 | 24.253 | 24.250 | 24.045 | 24.263 | 24.023 | 23.826 | 24.218 | 24.180 | 23.887 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

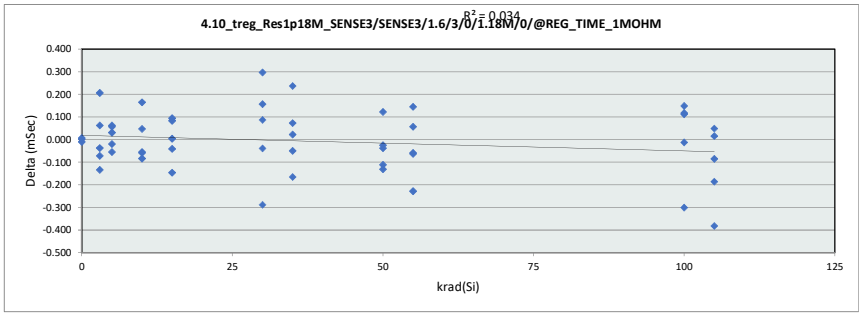


# TID HDR Report
# TPS7H3014-SP

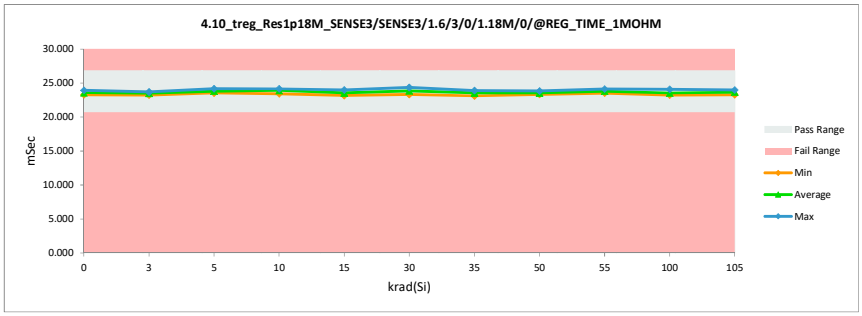
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.10_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.599 | 23.601 | 0.002 |
| 0 | 14 | 23.271 | 23.278 | 0.007 |
| 0 | 15 | 23.940 | 23.930 | -0.010 |
| 3 | 20 | 23.179 | 23.242 | 0.063 |
| 3 | 21 | 23.613 | 23.541 | -0.072 |
| 3 | 22 | 23.664 | 23.627 | -0.037 |
| 3 | 23 | 23.496 | 23.702 | 0.206 |
| 3 | 24 | 23.581 | 23.447 | -0.134 |
| 5 | 25 | 24.116 | 24.173 | 0.057 |
| 5 | 26 | 23.998 | 23.943 | -0.055 |
| 5 | 27 | 23.561 | 23.541 | -0.020 |
| 5 | 28 | 23.482 | 23.545 | 0.063 |
| 5 | 29 | 23.836 | 23.867 | 0.031 |
| 10 | 30 | 23.690 | 23.855 | 0.165 |
| 10 | 31 | 24.193 | 24.138 | -0.055 |
| 10 | 32 | 24.122 | 24.169 | 0.047 |
| 10 | 33 | 23.486 | 23.427 | -0.059 |
| 10 | 34 | 24.122 | 24.038 | -0.084 |
| 15 | 35 | 23.230 | 23.189 | -0.041 |
| 15 | 36 | 23.551 | 23.555 | 0.004 |
| 15 | 37 | 23.650 | 23.733 | 0.083 |
| 15 | 38 | 24.142 | 23.996 | -0.146 |
| 15 | 39 | 23.234 | 23.328 | 0.094 |
| 30 | 40 | 23.176 | 23.333 | 0.157 |
| 30 | 41 | 23.494 | 23.581 | 0.087 |
| 30 | 42 | 24.656 | 24.368 | -0.288 |
| 30 | 43 | 23.920 | 23.881 | -0.039 |
| 30 | 44 | 23.856 | 24.153 | 0.297 |
| 35 | 45 | 23.900 | 23.922 | 0.022 |
| 35 | 46 | 23.617 | 23.690 | 0.073 |
| 35 | 47 | 23.902 | 23.737 | -0.165 |
| 35 | 48 | 23.141 | 23.378 | 0.237 |
| 35 | 49 | 23.178 | 23.128 | -0.050 |
| 50 | 50 | 23.277 | 23.399 | 0.122 |
| 50 | 51 | 23.835 | 23.723 | -0.112 |
| 50 | 52 | 23.975 | 23.844 | -0.131 |
| 50 | 53 | 23.542 | 23.517 | -0.025 |
| 50 | 54 | 23.376 | 23.338 | -0.038 |
| 55 | 55 | 23.593 | 23.650 | 0.057 |
| 55 | 56 | 23.969 | 23.906 | -0.063 |
| 55 | 57 | 24.202 | 24.143 | -0.059 |
| 55 | 58 | 23.742 | 23.887 | 0.145 |
| 55 | 59 | 23.742 | 23.514 | -0.228 |
| 100 | 60 | 23.329 | 23.317 | -0.012 |
| 100 | 61 | 23.136 | 23.248 | 0.112 |
| 100 | 62 | 24.391 | 24.090 | -0.301 |
| 100 | 63 | 23.615 | 23.732 | 0.117 |
| 100 | 64 | 23.190 | 23.339 | 0.149 |
| 105 | 65 | 23.939 | 23.988 | 0.049 |
| 105 | 66 | 23.270 | 23.286 | 0.016 |
| 105 | 67 | 23.860 | 23.775 | -0.085 |
| 105 | 68 | 23.976 | 23.594 | -0.382 |
| 105 | 69 | 23.875 | 23.689 | -0.186 |
| | Max | 24.656 | 24.368 | 0.297 |
| | Average | 23.687 | 23.680 | -0.008 |
| | Min | 23.136 | 23.128 | -0.382 |
| | Std Dev | 0.354 | 0.305 | 0.133 |




| | 4.10_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.278 | 23.242 | 23.541 | 23.427 | 23.189 | 23.333 | 23.128 | 23.338 | 23.514 | 23.248 | 23.286 |
| Average | 23.603 | 23.512 | 23.814 | 23.925 | 23.560 | 23.863 | 23.571 | 23.564 | 23.820 | 23.545 | 23.666 |
| Max | 23.930 | 23.702 | 24.173 | 24.169 | 23.996 | 24.368 | 23.922 | 23.844 | 24.143 | 24.090 | 23.988 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

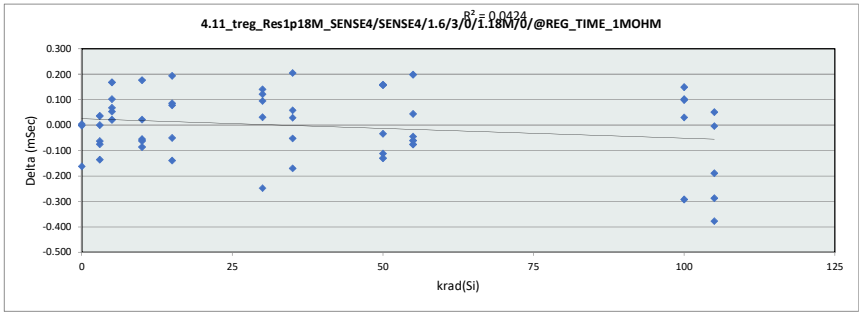


# TID HDR Report
# TPS7H3014-SP

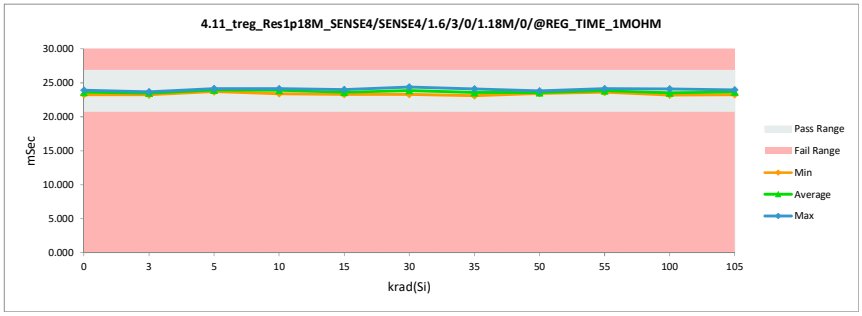
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.11_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.576 | 23.580 | 0.004 |
| 0 | 14 | 23.254 | 23.252 | -0.002 |
| 0 | 15 | 24.077 | 23.915 | -0.162 |
| 3 | 20 | 23.291 | 23.216 | -0.075 |
| 3 | 21 | 23.567 | 23.567 | 0.000 |
| 3 | 22 | 23.653 | 23.590 | -0.063 |
| 3 | 23 | 23.642 | 23.678 | 0.036 |
| 3 | 24 | 23.563 | 23.427 | -0.136 |
| 5 | 25 | 24.089 | 24.142 | 0.053 |
| 5 | 26 | 23.973 | 24.075 | 0.102 |
| 5 | 27 | 23.535 | 23.703 | 0.168 |
| 5 | 28 | 23.640 | 23.708 | 0.068 |
| 5 | 29 | 23.995 | 24.016 | 0.021 |
| 10 | 30 | 23.656 | 23.833 | 0.177 |
| 10 | 31 | 24.170 | 24.108 | -0.062 |
| 10 | 32 | 24.099 | 24.121 | 0.022 |
| 10 | 33 | 23.463 | 23.408 | -0.055 |
| 10 | 34 | 24.096 | 24.010 | -0.086 |
| 15 | 35 | 23.371 | 23.321 | -0.050 |
| 15 | 36 | 23.522 | 23.716 | 0.194 |
| 15 | 37 | 23.624 | 23.710 | 0.086 |
| 15 | 38 | 24.113 | 23.974 | -0.139 |
| 15 | 39 | 23.211 | 23.289 | 0.078 |
| 30 | 40 | 23.155 | 23.296 | 0.141 |
| 30 | 41 | 23.472 | 23.503 | 0.031 |
| 30 | 42 | 24.611 | 24.363 | -0.248 |
| 30 | 43 | 23.896 | 24.018 | 0.122 |
| 30 | 44 | 24.021 | 24.116 | 0.095 |
| 35 | 45 | 23.875 | 24.080 | 0.205 |
| 35 | 46 | 23.590 | 23.619 | 0.029 |
| 35 | 47 | 23.880 | 23.710 | -0.170 |
| 35 | 48 | 23.297 | 23.355 | 0.058 |
| 35 | 49 | 23.156 | 23.104 | -0.052 |
| 50 | 50 | 23.254 | 23.411 | 0.157 |
| 50 | 51 | 23.810 | 23.698 | -0.112 |
| 50 | 52 | 23.949 | 23.819 | -0.130 |
| 50 | 53 | 23.513 | 23.479 | -0.034 |
| 50 | 54 | 23.322 | 23.481 | 0.159 |
| 55 | 55 | 23.561 | 23.605 | 0.044 |
| 55 | 56 | 23.941 | 23.880 | -0.061 |
| 55 | 57 | 24.166 | 24.121 | -0.045 |
| 55 | 58 | 23.714 | 23.912 | 0.198 |
| 55 | 59 | 23.719 | 23.643 | -0.076 |
| 100 | 60 | 23.261 | 23.291 | 0.030 |
| 100 | 61 | 23.110 | 23.209 | 0.099 |
| 100 | 62 | 24.365 | 24.073 | -0.292 |
| 100 | 63 | 23.634 | 23.736 | 0.102 |
| 100 | 64 | 23.164 | 23.313 | 0.149 |
| 105 | 65 | 23.914 | 23.965 | 0.051 |
| 105 | 66 | 23.265 | 23.261 | -0.004 |
| 105 | 67 | 24.020 | 23.733 | -0.287 |
| 105 | 68 | 23.951 | 23.574 | -0.377 |
| 105 | 69 | 23.851 | 23.662 | -0.189 |
| | Max | 24.611 | 24.363 | 0.205 |
| | Average | 23.691 | 23.687 | -0.004 |
| | Min | 23.110 | 23.104 | -0.377 |
| | Std Dev | 0.350 | 0.308 | 0.134 |




| | 4.11_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.252 | 23.216 | 23.703 | 23.408 | 23.289 | 23.296 | 23.104 | 23.411 | 23.605 | 23.209 | 23.261 |
| Average | 23.582 | 23.496 | 23.929 | 23.896 | 23.602 | 23.859 | 23.574 | 23.578 | 23.832 | 23.524 | 23.639 |
| Max | 23.915 | 23.678 | 24.142 | 24.121 | 23.974 | 24.363 | 24.080 | 23.819 | 24.121 | 24.073 | 23.965 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

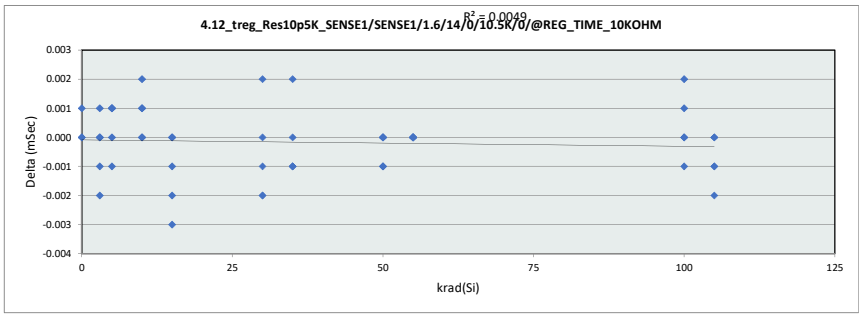


# TID HDR Report
# TPS7H3014-SP

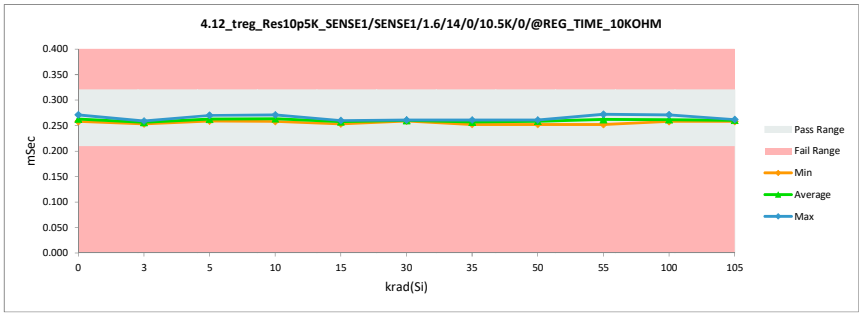
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.12_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.259 | 0.260 | 0.001 |
| 0 | 14 | 0.258 | 0.258 | 0.000 |
| 0 | 15 | 0.271 | 0.271 | 0.000 |
| 3 | 20 | 0.259 | 0.259 | 0.000 |
| 3 | 21 | 0.254 | 0.253 | -0.001 |
| 3 | 22 | 0.261 | 0.259 | -0.002 |
| 3 | 23 | 0.253 | 0.254 | 0.001 |
| 3 | 24 | 0.257 | 0.257 | 0.000 |
| 5 | 25 | 0.269 | 0.270 | 0.001 |
| 5 | 26 | 0.262 | 0.263 | 0.001 |
| 5 | 27 | 0.260 | 0.259 | -0.001 |
| 5 | 28 | 0.259 | 0.259 | 0.000 |
| 5 | 29 | 0.261 | 0.262 | 0.001 |
| 10 | 30 | 0.269 | 0.271 | 0.002 |
| 10 | 31 | 0.267 | 0.268 | 0.001 |
| 10 | 32 | 0.260 | 0.260 | 0.000 |
| 10 | 33 | 0.260 | 0.261 | 0.001 |
| 10 | 34 | 0.258 | 0.258 | 0.000 |
| 15 | 35 | 0.259 | 0.259 | 0.000 |
| 15 | 36 | 0.260 | 0.259 | -0.001 |
| 15 | 37 | 0.256 | 0.253 | -0.003 |
| 15 | 38 | 0.260 | 0.260 | 0.000 |
| 15 | 39 | 0.260 | 0.258 | -0.002 |
| 30 | 40 | 0.259 | 0.259 | 0.000 |
| 30 | 41 | 0.259 | 0.261 | 0.002 |
| 30 | 42 | 0.262 | 0.260 | -0.002 |
| 30 | 43 | 0.261 | 0.259 | -0.002 |
| 30 | 44 | 0.262 | 0.261 | -0.001 |
| 35 | 45 | 0.262 | 0.261 | -0.001 |
| 35 | 46 | 0.253 | 0.252 | -0.001 |
| 35 | 47 | 0.260 | 0.259 | -0.001 |
| 35 | 48 | 0.253 | 0.255 | 0.002 |
| 35 | 49 | 0.258 | 0.258 | 0.000 |
| 50 | 50 | 0.259 | 0.259 | 0.000 |
| 50 | 51 | 0.261 | 0.261 | 0.000 |
| 50 | 52 | 0.260 | 0.260 | 0.000 |
| 50 | 53 | 0.253 | 0.252 | -0.001 |
| 50 | 54 | 0.260 | 0.259 | -0.001 |
| 55 | 55 | 0.260 | 0.260 | 0.000 |
| 55 | 56 | 0.262 | 0.262 | 0.000 |
| 55 | 57 | 0.272 | 0.272 | 0.000 |
| 55 | 58 | 0.263 | 0.263 | 0.000 |
| 55 | 59 | 0.252 | 0.252 | 0.000 |
| 100 | 60 | 0.258 | 0.260 | 0.002 |
| 100 | 61 | 0.260 | 0.259 | -0.001 |
| 100 | 62 | 0.270 | 0.271 | 0.001 |
| 100 | 63 | 0.260 | 0.260 | 0.000 |
| 100 | 64 | 0.258 | 0.258 | 0.000 |
| 105 | 65 | 0.260 | 0.259 | -0.001 |
| 105 | 66 | 0.259 | 0.258 | -0.001 |
| 105 | 67 | 0.261 | 0.261 | 0.000 |
| 105 | 68 | 0.261 | 0.261 | 0.000 |
| 105 | 69 | 0.264 | 0.262 | -0.002 |
| | Max | 0.272 | 0.272 | 0.002 |
| | Average | 0.260 | 0.260 | 0.000 |
| | Min | 0.252 | 0.252 | -0.003 |
| | Std Dev | 0.004 | 0.005 | 0.001 |




| | 4.12_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.258 | 0.253 | 0.259 | 0.258 | 0.253 | 0.259 | 0.252 | 0.252 | 0.252 | 0.258 | 0.258 |
| Average | 0.263 | 0.256 | 0.263 | 0.264 | 0.258 | 0.260 | 0.257 | 0.258 | 0.262 | 0.262 | 0.260 |
| Max | 0.271 | 0.259 | 0.270 | 0.271 | 0.260 | 0.261 | 0.261 | 0.261 | 0.272 | 0.271 | 0.262 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

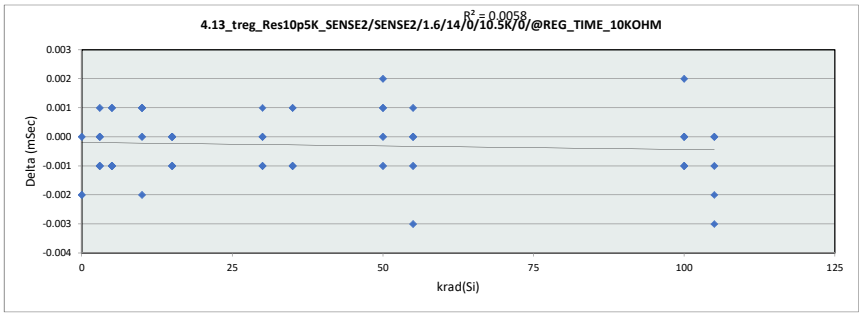


# TID HDR Report
# TPS7H3014-SP

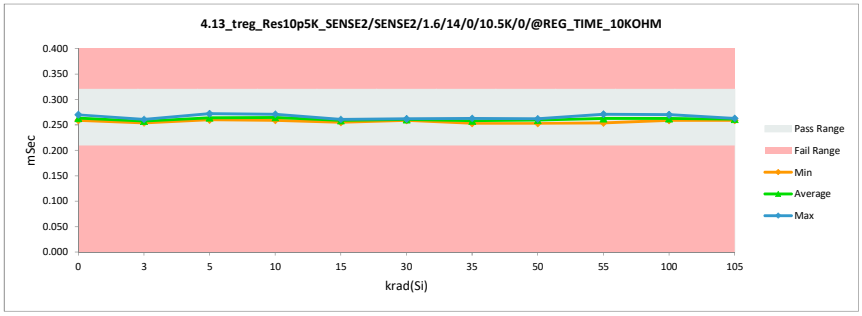
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.13_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.261 | 0.000 |
| 0 | 14 | 0.261 | 0.259 | -0.002 |
| 0 | 15 | 0.272 | 0.270 | -0.002 |
| 3 | 20 | 0.259 | 0.259 | 0.000 |
| 3 | 21 | 0.255 | 0.255 | 0.000 |
| 3 | 22 | 0.262 | 0.261 | -0.001 |
| 3 | 23 | 0.255 | 0.254 | -0.001 |
| 3 | 24 | 0.257 | 0.258 | 0.001 |
| 5 | 25 | 0.271 | 0.272 | 0.001 |
| 5 | 26 | 0.265 | 0.264 | -0.001 |
| 5 | 27 | 0.261 | 0.260 | -0.001 |
| 5 | 28 | 0.261 | 0.260 | -0.001 |
| 5 | 29 | 0.263 | 0.264 | 0.001 |
| 10 | 30 | 0.270 | 0.271 | 0.001 |
| 10 | 31 | 0.269 | 0.269 | 0.000 |
| 10 | 32 | 0.261 | 0.262 | 0.001 |
| 10 | 33 | 0.262 | 0.263 | 0.001 |
| 10 | 34 | 0.261 | 0.259 | -0.002 |
| 15 | 35 | 0.259 | 0.259 | 0.000 |
| 15 | 36 | 0.259 | 0.259 | 0.000 |
| 15 | 37 | 0.255 | 0.255 | 0.000 |
| 15 | 38 | 0.262 | 0.261 | -0.001 |
| 15 | 39 | 0.261 | 0.260 | -0.001 |
| 30 | 40 | 0.261 | 0.260 | -0.001 |
| 30 | 41 | 0.261 | 0.262 | 0.001 |
| 30 | 42 | 0.260 | 0.260 | 0.000 |
| 30 | 43 | 0.260 | 0.259 | -0.001 |
| 30 | 44 | 0.262 | 0.262 | 0.000 |
| 35 | 45 | 0.264 | 0.263 | -0.001 |
| 35 | 46 | 0.254 | 0.253 | -0.001 |
| 35 | 47 | 0.260 | 0.261 | 0.001 |
| 35 | 48 | 0.254 | 0.255 | 0.001 |
| 35 | 49 | 0.259 | 0.258 | -0.001 |
| 50 | 50 | 0.258 | 0.260 | 0.002 |
| 50 | 51 | 0.261 | 0.262 | 0.001 |
| 50 | 52 | 0.262 | 0.261 | -0.001 |
| 50 | 53 | 0.253 | 0.253 | 0.000 |
| 50 | 54 | 0.259 | 0.260 | 0.001 |
| 55 | 55 | 0.261 | 0.262 | 0.001 |
| 55 | 56 | 0.263 | 0.263 | 0.000 |
| 55 | 57 | 0.274 | 0.271 | -0.003 |
| 55 | 58 | 0.264 | 0.263 | -0.001 |
| 55 | 59 | 0.254 | 0.254 | 0.000 |
| 100 | 60 | 0.261 | 0.261 | 0.000 |
| 100 | 61 | 0.260 | 0.260 | 0.000 |
| 100 | 62 | 0.271 | 0.270 | -0.001 |
| 100 | 63 | 0.261 | 0.263 | 0.002 |
| 100 | 64 | 0.260 | 0.259 | -0.001 |
| 105 | 65 | 0.260 | 0.260 | 0.000 |
| 105 | 66 | 0.259 | 0.259 | 0.000 |
| 105 | 67 | 0.264 | 0.262 | -0.002 |
| 105 | 68 | 0.264 | 0.263 | -0.001 |
| 105 | 69 | 0.265 | 0.262 | -0.003 |
| | Max | 0.274 | 0.272 | 0.002 |
| | Average | 0.261 | 0.261 | 0.000 |
| | Min | 0.253 | 0.253 | -0.003 |
| | Std Dev | 0.005 | 0.004 | 0.001 |




| | 4.13_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.259 | 0.254 | 0.260 | 0.259 | 0.255 | 0.259 | 0.253 | 0.253 | 0.254 | 0.259 | 0.259 |
| Average | 0.263 | 0.257 | 0.264 | 0.265 | 0.259 | 0.261 | 0.258 | 0.259 | 0.263 | 0.263 | 0.261 |
| Max | 0.270 | 0.261 | 0.272 | 0.271 | 0.261 | 0.262 | 0.263 | 0.262 | 0.271 | 0.270 | 0.263 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

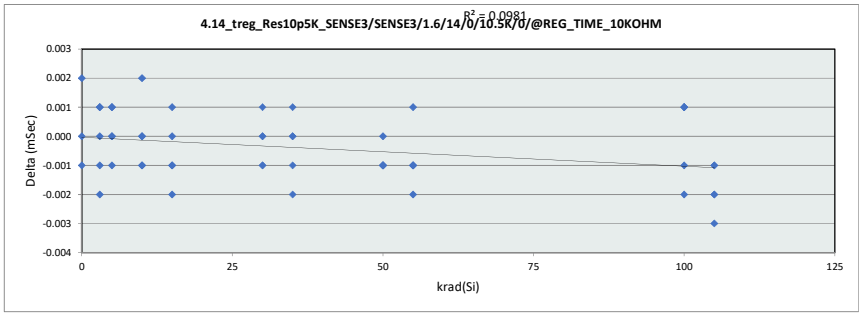


# TID HDR Report
# TPS7H3014-SP

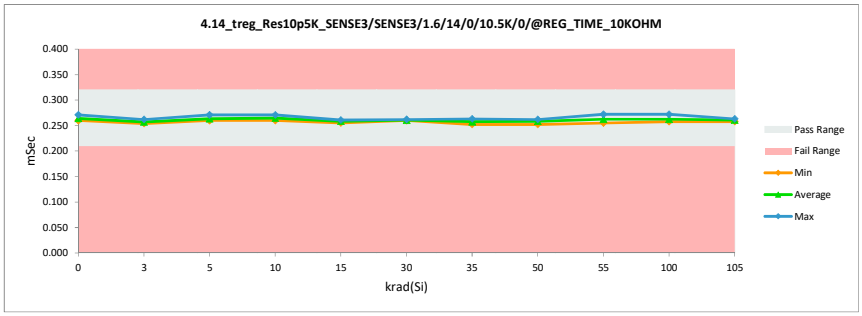
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.14_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.260 | -0.001 |
| 0 | 14 | 0.259 | 0.261 | 0.002 |
| 0 | 15 | 0.271 | 0.271 | 0.000 |
| 3 | 20 | 0.260 | 0.258 | -0.002 |
| 3 | 21 | 0.255 | 0.254 | -0.001 |
| 3 | 22 | 0.261 | 0.262 | 0.001 |
| 3 | 23 | 0.254 | 0.254 | 0.000 |
| 3 | 24 | 0.257 | 0.258 | 0.001 |
| 5 | 25 | 0.270 | 0.271 | 0.001 |
| 5 | 26 | 0.264 | 0.263 | -0.001 |
| 5 | 27 | 0.260 | 0.260 | 0.000 |
| 5 | 28 | 0.259 | 0.260 | 0.001 |
| 5 | 29 | 0.263 | 0.263 | 0.000 |
| 10 | 30 | 0.271 | 0.270 | -0.001 |
| 10 | 31 | 0.269 | 0.271 | 0.002 |
| 10 | 32 | 0.262 | 0.261 | -0.001 |
| 10 | 33 | 0.262 | 0.262 | 0.000 |
| 10 | 34 | 0.260 | 0.260 | 0.000 |
| 15 | 35 | 0.260 | 0.259 | -0.001 |
| 15 | 36 | 0.261 | 0.259 | -0.002 |
| 15 | 37 | 0.254 | 0.255 | 0.001 |
| 15 | 38 | 0.262 | 0.261 | -0.001 |
| 15 | 39 | 0.259 | 0.259 | 0.000 |
| 30 | 40 | 0.261 | 0.260 | -0.001 |
| 30 | 41 | 0.262 | 0.261 | -0.001 |
| 30 | 42 | 0.260 | 0.260 | 0.000 |
| 30 | 43 | 0.259 | 0.260 | 0.001 |
| 30 | 44 | 0.262 | 0.262 | 0.000 |
| 35 | 45 | 0.264 | 0.263 | -0.001 |
| 35 | 46 | 0.254 | 0.252 | -0.002 |
| 35 | 47 | 0.260 | 0.261 | 0.001 |
| 35 | 48 | 0.254 | 0.254 | 0.000 |
| 35 | 49 | 0.258 | 0.258 | 0.000 |
| 50 | 50 | 0.260 | 0.259 | -0.001 |
| 50 | 51 | 0.263 | 0.262 | -0.001 |
| 50 | 52 | 0.261 | 0.260 | -0.001 |
| 50 | 53 | 0.252 | 0.252 | 0.000 |
| 50 | 54 | 0.260 | 0.259 | -0.001 |
| 55 | 55 | 0.262 | 0.261 | -0.001 |
| 55 | 56 | 0.263 | 0.262 | -0.001 |
| 55 | 57 | 0.274 | 0.272 | -0.002 |
| 55 | 58 | 0.264 | 0.263 | -0.001 |
| 55 | 59 | 0.254 | 0.255 | 0.001 |
| 100 | 60 | 0.260 | 0.261 | 0.001 |
| 100 | 61 | 0.260 | 0.259 | -0.001 |
| 100 | 62 | 0.271 | 0.272 | 0.001 |
| 100 | 63 | 0.261 | 0.262 | 0.001 |
| 100 | 64 | 0.260 | 0.258 | -0.002 |
| 105 | 65 | 0.262 | 0.260 | -0.002 |
| 105 | 66 | 0.260 | 0.258 | -0.002 |
| 105 | 67 | 0.264 | 0.263 | -0.001 |
| 105 | 68 | 0.263 | 0.262 | -0.001 |
| 105 | 69 | 0.265 | 0.262 | -0.003 |
| | Max | 0.274 | 0.272 | 0.002 |
| | Average | 0.261 | 0.261 | 0.000 |
| | Min | 0.252 | 0.252 | -0.003 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.14_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.260 | 0.254 | 0.260 | 0.260 | 0.255 | 0.260 | 0.252 | 0.252 | 0.255 | 0.258 | 0.258 |
| Average | 0.264 | 0.257 | 0.263 | 0.265 | 0.259 | 0.261 | 0.258 | 0.258 | 0.263 | 0.262 | 0.261 |
| Max | 0.271 | 0.262 | 0.271 | 0.271 | 0.261 | 0.262 | 0.263 | 0.262 | 0.272 | 0.272 | 0.263 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

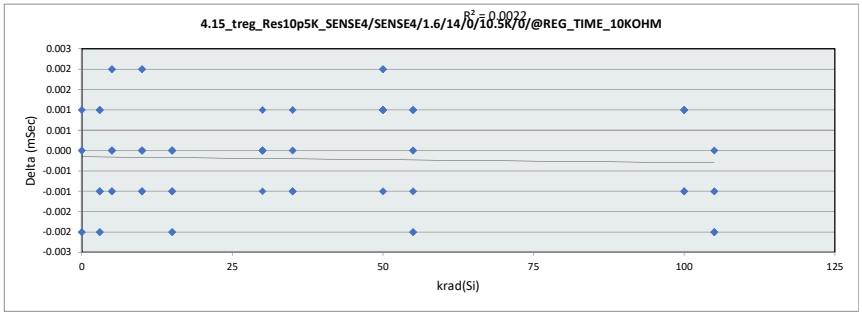


# TID HDR Report
# TPS7H3014-SP

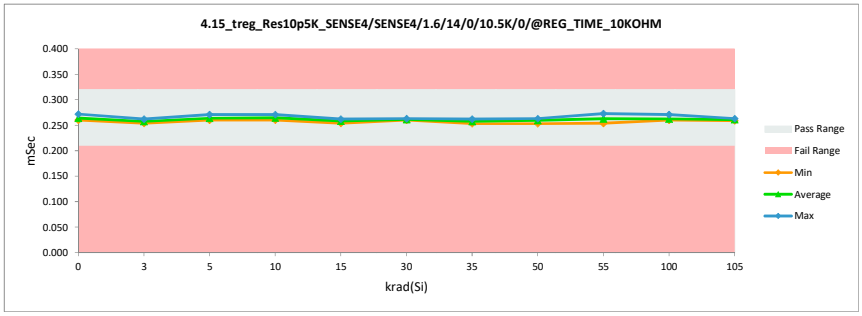
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.15_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.262 | 0.260 | -0.002 |
| 0 | 14 | 0.260 | 0.260 | 0.000 |
| 0 | 15 | 0.271 | 0.272 | 0.001 |
| 3 | 20 | 0.260 | 0.259 | -0.001 |
| 3 | 21 | 0.255 | 0.254 | -0.001 |
| 3 | 22 | 0.261 | 0.262 | 0.001 |
| 3 | 23 | 0.254 | 0.255 | 0.001 |
| 3 | 24 | 0.259 | 0.257 | -0.002 |
| 5 | 25 | 0.271 | 0.271 | 0.000 |
| 5 | 26 | 0.263 | 0.265 | 0.002 |
| 5 | 27 | 0.261 | 0.261 | 0.000 |
| 5 | 28 | 0.261 | 0.260 | -0.001 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.270 | 0.270 | 0.000 |
| 10 | 31 | 0.269 | 0.271 | 0.002 |
| 10 | 32 | 0.261 | 0.261 | 0.000 |
| 10 | 33 | 0.263 | 0.262 | -0.001 |
| 10 | 34 | 0.261 | 0.260 | -0.001 |
| 15 | 35 | 0.259 | 0.259 | 0.000 |
| 15 | 36 | 0.260 | 0.259 | -0.001 |
| 15 | 37 | 0.255 | 0.254 | -0.001 |
| 15 | 38 | 0.262 | 0.262 | 0.000 |
| 15 | 39 | 0.261 | 0.259 | -0.002 |
| 30 | 40 | 0.261 | 0.261 | 0.000 |
| 30 | 41 | 0.262 | 0.262 | 0.000 |
| 30 | 42 | 0.261 | 0.260 | -0.001 |
| 30 | 43 | 0.260 | 0.261 | 0.001 |
| 30 | 44 | 0.263 | 0.263 | 0.000 |
| 35 | 45 | 0.263 | 0.262 | -0.001 |
| 35 | 46 | 0.254 | 0.253 | -0.001 |
| 35 | 47 | 0.260 | 0.261 | 0.001 |
| 35 | 48 | 0.254 | 0.254 | 0.000 |
| 35 | 49 | 0.259 | 0.258 | -0.001 |
| 50 | 50 | 0.259 | 0.260 | 0.001 |
| 50 | 51 | 0.262 | 0.263 | 0.001 |
| 50 | 52 | 0.260 | 0.262 | 0.002 |
| 50 | 53 | 0.254 | 0.253 | -0.001 |
| 50 | 54 | 0.259 | 0.260 | 0.001 |
| 55 | 55 | 0.260 | 0.261 | 0.001 |
| 55 | 56 | 0.262 | 0.263 | 0.001 |
| 55 | 57 | 0.274 | 0.273 | -0.001 |
| 55 | 58 | 0.265 | 0.263 | -0.002 |
| 55 | 59 | 0.254 | 0.254 | 0.000 |
| 100 | 60 | 0.261 | 0.260 | -0.001 |
| 100 | 61 | 0.259 | 0.260 | 0.001 |
| 100 | 62 | 0.272 | 0.271 | -0.001 |
| 100 | 63 | 0.261 | 0.262 | 0.001 |
| 100 | 64 | 0.259 | 0.260 | 0.001 |
| 105 | 65 | 0.261 | 0.260 | -0.001 |
| 105 | 66 | 0.259 | 0.259 | 0.000 |
| 105 | 67 | 0.264 | 0.262 | -0.002 |
| 105 | 68 | 0.263 | 0.261 | -0.002 |
| 105 | 69 | 0.264 | 0.263 | -0.001 |
| | Max | 0.274 | 0.273 | 0.002 |
| | Average | 0.261 | 0.261 | 0.000 |
| | Min | 0.254 | 0.253 | -0.002 |
| | Std Dev | 0.004 | 0.005 | 0.001 |




| | 4.15_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.260 | 0.254 | 0.260 | 0.260 | 0.254 | 0.260 | 0.253 | 0.253 | 0.254 | 0.260 | 0.259 |
| Average | 0.264 | 0.257 | 0.264 | 0.265 | 0.259 | 0.261 | 0.258 | 0.260 | 0.263 | 0.263 | 0.261 |
| Max | 0.272 | 0.262 | 0.271 | 0.271 | 0.262 | 0.263 | 0.262 | 0.263 | 0.273 | 0.271 | 0.263 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

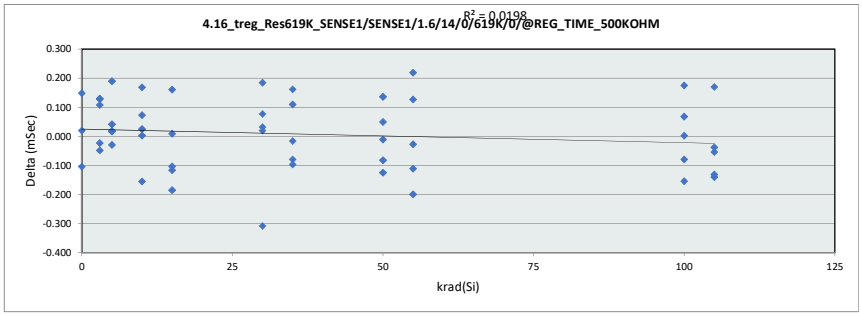


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

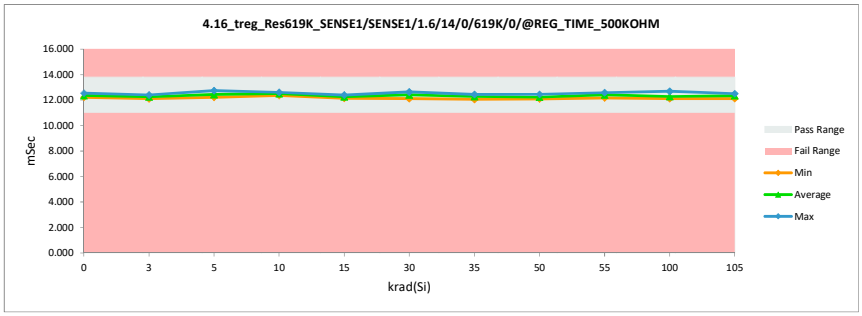
| | 4.16_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.189 | 12.338 | 0.149 |
| 0 | 14 | 12.203 | 12.223 | 0.020 |
| 0 | 15 | 12.645 | 12.541 | -0.104 |
| 3 | 20 | 12.071 | 12.201 | 0.130 |
| 3 | 21 | 12.131 | 12.108 | -0.023 |
| 3 | 22 | 12.452 | 12.404 | -0.048 |
| 3 | 23 | 12.188 | 12.316 | 0.128 |
| 3 | 24 | 12.175 | 12.283 | 0.108 |
| 5 | 25 | 12.553 | 12.743 | 0.190 |
| 5 | 26 | 12.595 | 12.566 | -0.029 |
| 5 | 27 | 12.221 | 12.239 | 0.018 |
| 5 | 28 | 12.205 | 12.222 | 0.017 |
| 5 | 29 | 12.367 | 12.409 | 0.042 |
| 10 | 30 | 12.388 | 12.461 | 0.073 |
| 10 | 31 | 12.725 | 12.570 | -0.155 |
| 10 | 32 | 12.608 | 12.611 | 0.003 |
| 10 | 33 | 12.188 | 12.357 | 0.169 |
| 10 | 34 | 12.562 | 12.587 | 0.025 |
| 15 | 35 | 12.231 | 12.240 | 0.009 |
| 15 | 36 | 12.225 | 12.386 | 0.161 |
| 15 | 37 | 12.327 | 12.211 | -0.116 |
| 15 | 38 | 12.593 | 12.408 | -0.185 |
| 15 | 39 | 12.243 | 12.140 | -0.103 |
| 30 | 40 | 12.080 | 12.112 | 0.032 |
| 30 | 41 | 12.296 | 12.316 | 0.020 |
| 30 | 42 | 12.802 | 12.494 | -0.308 |
| 30 | 43 | 12.310 | 12.495 | 0.185 |
| 30 | 44 | 12.556 | 12.633 | 0.077 |
| 35 | 45 | 12.529 | 12.432 | -0.097 |
| 35 | 46 | 12.188 | 12.350 | 0.162 |
| 35 | 47 | 12.338 | 12.448 | 0.110 |
| 35 | 48 | 12.147 | 12.068 | -0.079 |
| 35 | 49 | 12.168 | 12.152 | -0.016 |
| 50 | 50 | 12.091 | 12.141 | 0.050 |
| 50 | 51 | 12.323 | 12.459 | 0.136 |
| 50 | 52 | 12.409 | 12.327 | -0.082 |
| 50 | 53 | 12.212 | 12.087 | -0.125 |
| 50 | 54 | 12.144 | 12.133 | -0.011 |
| 55 | 55 | 12.215 | 12.342 | 0.127 |
| 55 | 56 | 12.508 | 12.397 | -0.111 |
| 55 | 57 | 12.610 | 12.583 | -0.027 |
| 55 | 58 | 12.335 | 12.554 | 0.219 |
| 55 | 59 | 12.373 | 12.174 | -0.199 |
| 100 | 60 | 12.275 | 12.121 | -0.154 |
| 100 | 61 | 12.004 | 12.179 | 0.175 |
| 100 | 62 | 12.694 | 12.696 | 0.002 |
| 100 | 63 | 12.378 | 12.299 | -0.079 |
| 100 | 64 | 12.043 | 12.111 | 0.068 |
| 105 | 65 | 12.343 | 12.513 | 0.170 |
| 105 | 66 | 12.247 | 12.116 | -0.131 |
| 105 | 67 | 12.397 | 12.359 | -0.038 |
| 105 | 68 | 12.524 | 12.384 | -0.140 |
| 105 | 69 | 12.467 | 12.413 | -0.054 |
| | Max | 12.802 | 12.743 | 0.219 |
| | Average | 12.341 | 12.348 | 0.007 |
| | Min | 12.004 | 12.068 | -0.308 |
| | Std Dev | 0.193 | 0.176 | 0.120 |




| | 4.16_treg_Res619K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 13.8 | mSec |
| Min Limit | 11 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.223 | 12.108 | 12.222 | 12.357 | 12.140 | 12.112 | 12.068 | 12.087 | 12.174 | 12.111 | 12.116 |
| Average | 12.367 | 12.262 | 12.436 | 12.517 | 12.277 | 12.410 | 12.290 | 12.229 | 12.410 | 12.281 | 12.357 |
| Max | 12.541 | 12.404 | 12.743 | 12.611 | 12.408 | 12.633 | 12.448 | 12.459 | 12.583 | 12.696 | 12.513 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

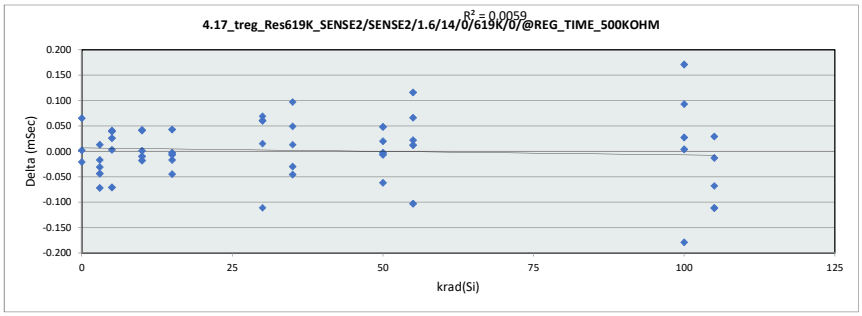


# TID HDR Report
# TPS7H3014-SP

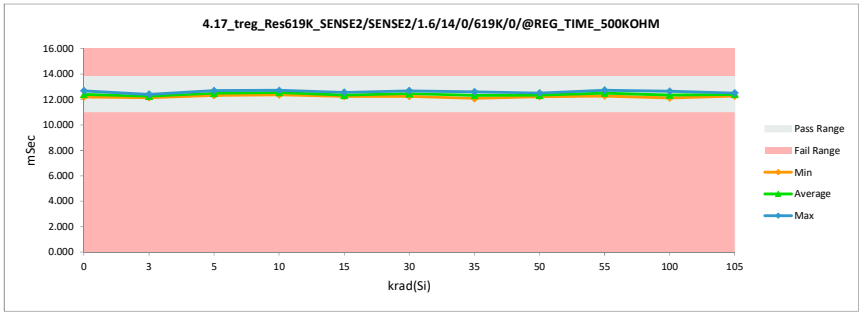
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.17_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.282 | 12.347 | 0.065 |
| 0 | 14 | 12.219 | 12.198 | -0.021 |
| 0 | 15 | 12.678 | 12.680 | 0.002 |
| 3 | 20 | 12.184 | 12.140 | -0.044 |
| 3 | 21 | 12.234 | 12.217 | -0.017 |
| 3 | 22 | 12.432 | 12.401 | -0.031 |
| 3 | 23 | 12.299 | 12.312 | 0.013 |
| 3 | 24 | 12.268 | 12.196 | -0.072 |
| 5 | 25 | 12.654 | 12.695 | 0.041 |
| 5 | 26 | 12.591 | 12.520 | -0.071 |
| 5 | 27 | 12.318 | 12.321 | 0.003 |
| 5 | 28 | 12.291 | 12.330 | 0.039 |
| 5 | 29 | 12.531 | 12.557 | 0.026 |
| 10 | 30 | 12.545 | 12.535 | -0.010 |
| 10 | 31 | 12.681 | 12.723 | 0.042 |
| 10 | 32 | 12.598 | 12.599 | 0.001 |
| 10 | 33 | 12.372 | 12.354 | -0.018 |
| 10 | 34 | 12.512 | 12.553 | 0.041 |
| 15 | 35 | 12.265 | 12.248 | -0.017 |
| 15 | 36 | 12.311 | 12.304 | -0.007 |
| 15 | 37 | 12.339 | 12.294 | -0.045 |
| 15 | 38 | 12.519 | 12.562 | 0.043 |
| 15 | 39 | 12.269 | 12.266 | -0.003 |
| 30 | 40 | 12.190 | 12.251 | 0.061 |
| 30 | 41 | 12.305 | 12.320 | 0.015 |
| 30 | 42 | 12.783 | 12.672 | -0.111 |
| 30 | 43 | 12.395 | 12.464 | 0.069 |
| 30 | 44 | 12.530 | 12.590 | 0.060 |
| 35 | 45 | 12.508 | 12.605 | 0.097 |
| 35 | 46 | 12.314 | 12.327 | 0.013 |
| 35 | 47 | 12.478 | 12.432 | -0.046 |
| 35 | 48 | 12.156 | 12.205 | 0.049 |
| 35 | 49 | 12.112 | 12.082 | -0.030 |
| 50 | 50 | 12.248 | 12.241 | -0.007 |
| 50 | 51 | 12.398 | 12.446 | 0.048 |
| 50 | 52 | 12.564 | 12.502 | -0.062 |
| 50 | 53 | 12.224 | 12.221 | -0.003 |
| 50 | 54 | 12.253 | 12.273 | 0.020 |
| 55 | 55 | 12.358 | 12.380 | 0.022 |
| 55 | 56 | 12.481 | 12.547 | 0.066 |
| 55 | 57 | 12.714 | 12.726 | 0.012 |
| 55 | 58 | 12.406 | 12.522 | 0.116 |
| 55 | 59 | 12.369 | 12.266 | -0.103 |
| 100 | 60 | 12.193 | 12.220 | 0.027 |
| 100 | 61 | 12.113 | 12.117 | 0.004 |
| 100 | 62 | 12.818 | 12.639 | -0.179 |
| 100 | 63 | 12.299 | 12.470 | 0.171 |
| 100 | 64 | 12.182 | 12.275 | 0.093 |
| 105 | 65 | 12.452 | 12.481 | 0.029 |
| 105 | 66 | 12.267 | 12.254 | -0.013 |
| 105 | 67 | 12.572 | 12.504 | -0.068 |
| 105 | 68 | 12.498 | 12.387 | -0.111 |
| 105 | 69 | 12.445 | 12.333 | -0.112 |
| | Max | 12.818 | 12.726 | 0.171 |
| | Average | 12.397 | 12.398 | 0.002 |
| | Min | 12.112 | 12.082 | -0.179 |
| | Std Dev | 0.175 | 0.170 | 0.063 |




| | 4.17_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.198 | 12.140 | 12.321 | 12.354 | 12.248 | 12.251 | 12.082 | 12.221 | 12.266 | 12.117 | 12.254 |
| Average | 12.408 | 12.253 | 12.485 | 12.553 | 12.335 | 12.459 | 12.330 | 12.337 | 12.488 | 12.344 | 12.392 |
| Max | 12.680 | 12.401 | 12.695 | 12.723 | 12.562 | 12.672 | 12.605 | 12.502 | 12.726 | 12.639 | 12.504 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

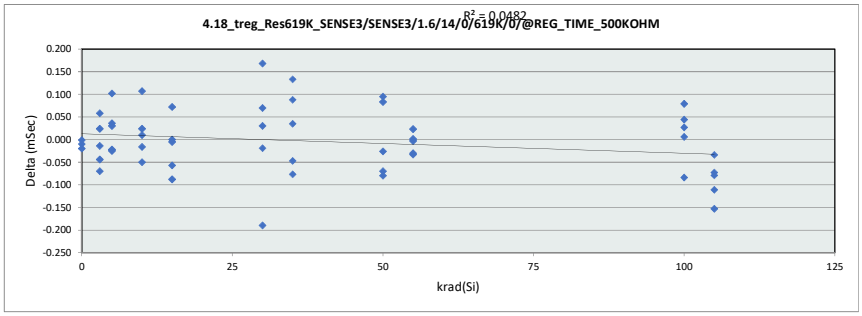


# TID HDR Report
# TPS7H3014-SP

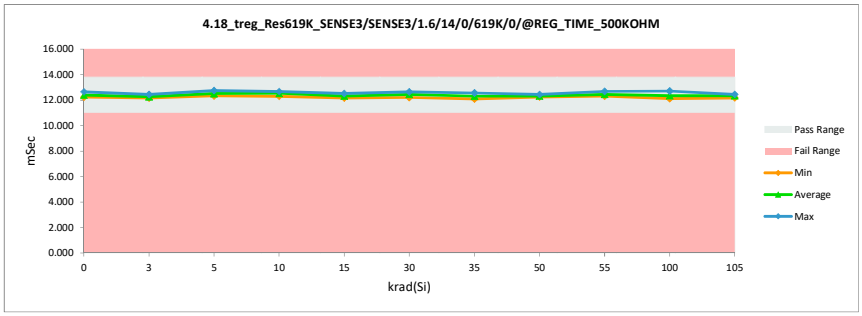
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.18_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.323 | 12.303 | -0.020 |
| 0 | 14 | 12.242 | 12.232 | -0.010 |
| 0 | 15 | 12.648 | 12.647 | -0.001 |
| 3 | 20 | 12.211 | 12.167 | -0.044 |
| 3 | 21 | 12.270 | 12.256 | -0.014 |
| 3 | 22 | 12.385 | 12.443 | 0.058 |
| 3 | 23 | 12.242 | 12.266 | 0.024 |
| 3 | 24 | 12.303 | 12.233 | -0.070 |
| 5 | 25 | 12.652 | 12.754 | 0.102 |
| 5 | 26 | 12.606 | 12.581 | -0.025 |
| 5 | 27 | 12.358 | 12.336 | -0.022 |
| 5 | 28 | 12.336 | 12.372 | 0.036 |
| 5 | 29 | 12.490 | 12.520 | 0.030 |
| 10 | 30 | 12.491 | 12.598 | 0.107 |
| 10 | 31 | 12.648 | 12.672 | 0.024 |
| 10 | 32 | 12.556 | 12.566 | 0.010 |
| 10 | 33 | 12.311 | 12.295 | -0.016 |
| 10 | 34 | 12.579 | 12.529 | -0.050 |
| 15 | 35 | 12.258 | 12.170 | -0.088 |
| 15 | 36 | 12.355 | 12.350 | -0.005 |
| 15 | 37 | 12.271 | 12.343 | 0.072 |
| 15 | 38 | 12.578 | 12.521 | -0.057 |
| 15 | 39 | 12.206 | 12.206 | 0.000 |
| 30 | 40 | 12.216 | 12.197 | -0.019 |
| 30 | 41 | 12.246 | 12.276 | 0.030 |
| 30 | 42 | 12.800 | 12.610 | -0.190 |
| 30 | 43 | 12.446 | 12.516 | 0.070 |
| 30 | 44 | 12.484 | 12.652 | 0.168 |
| 35 | 45 | 12.465 | 12.553 | 0.088 |
| 35 | 46 | 12.258 | 12.293 | 0.035 |
| 35 | 47 | 12.459 | 12.382 | -0.077 |
| 35 | 48 | 12.102 | 12.235 | 0.133 |
| 35 | 49 | 12.134 | 12.087 | -0.047 |
| 50 | 50 | 12.183 | 12.278 | 0.095 |
| 50 | 51 | 12.449 | 12.379 | -0.070 |
| 50 | 52 | 12.524 | 12.444 | -0.080 |
| 50 | 53 | 12.171 | 12.254 | 0.083 |
| 50 | 54 | 12.267 | 12.241 | -0.026 |
| 55 | 55 | 12.306 | 12.307 | 0.001 |
| 55 | 56 | 12.526 | 12.493 | -0.033 |
| 55 | 57 | 12.720 | 12.690 | -0.030 |
| 55 | 58 | 12.461 | 12.484 | 0.023 |
| 55 | 59 | 12.318 | 12.315 | -0.003 |
| 100 | 60 | 12.227 | 12.254 | 0.027 |
| 100 | 61 | 12.068 | 12.112 | 0.044 |
| 100 | 62 | 12.802 | 12.718 | -0.084 |
| 100 | 63 | 12.344 | 12.423 | 0.079 |
| 100 | 64 | 12.215 | 12.221 | 0.006 |
| 105 | 65 | 12.512 | 12.439 | -0.073 |
| 105 | 66 | 12.205 | 12.171 | -0.034 |
| 105 | 67 | 12.530 | 12.451 | -0.079 |
| 105 | 68 | 12.454 | 12.343 | -0.111 |
| 105 | 69 | 12.497 | 12.344 | -0.153 |
| | Max | 12.802 | 12.754 | 0.168 |
| | Average | 12.391 | 12.387 | -0.004 |
| | Min | 12.068 | 12.087 | -0.190 |
| | Std Dev | 0.178 | 0.169 | 0.070 |




| | 4.18_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.232 | 12.167 | 12.336 | 12.295 | 12.170 | 12.197 | 12.087 | 12.241 | 12.307 | 12.112 | 12.171 |
| Average | 12.394 | 12.273 | 12.513 | 12.532 | 12.318 | 12.450 | 12.310 | 12.319 | 12.458 | 12.346 | 12.350 |
| Max | 12.647 | 12.443 | 12.754 | 12.672 | 12.521 | 12.652 | 12.553 | 12.444 | 12.690 | 12.718 | 12.451 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

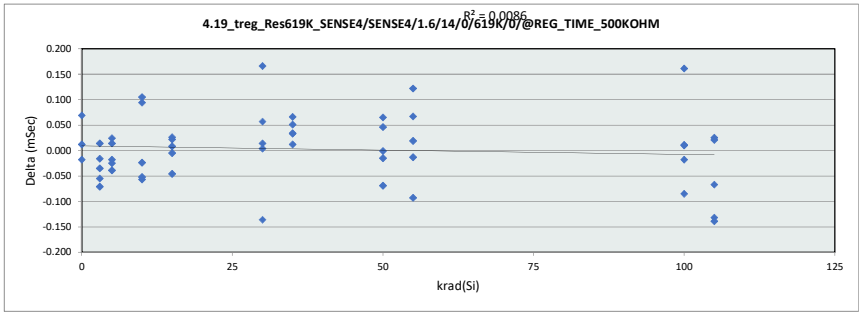


# TID HDR Report
# TPS7H3014-SP

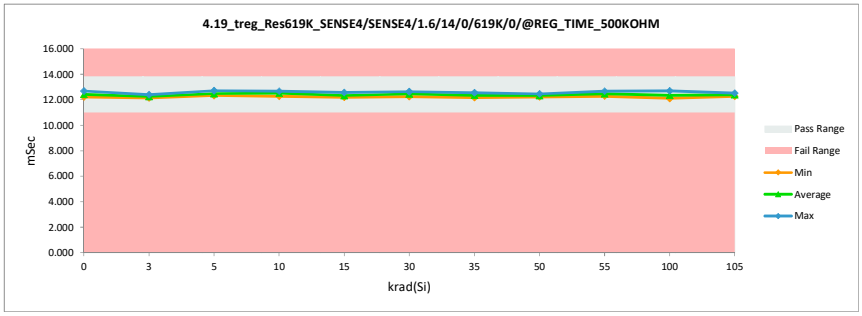
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.19_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.363 | 12.375 | 0.012 |
| 0 | 14 | 12.226 | 12.208 | -0.018 |
| 0 | 15 | 12.618 | 12.687 | 0.069 |
| 3 | 20 | 12.179 | 12.144 | -0.035 |
| 3 | 21 | 12.244 | 12.228 | -0.016 |
| 3 | 22 | 12.455 | 12.400 | -0.055 |
| 3 | 23 | 12.312 | 12.326 | 0.014 |
| 3 | 24 | 12.281 | 12.210 | -0.071 |
| 5 | 25 | 12.727 | 12.709 | -0.018 |
| 5 | 26 | 12.584 | 12.559 | -0.025 |
| 5 | 27 | 12.318 | 12.332 | 0.014 |
| 5 | 28 | 12.314 | 12.338 | 0.024 |
| 5 | 29 | 12.534 | 12.495 | -0.039 |
| 10 | 30 | 12.475 | 12.569 | 0.094 |
| 10 | 31 | 12.730 | 12.673 | -0.057 |
| 10 | 32 | 12.531 | 12.636 | 0.105 |
| 10 | 33 | 12.292 | 12.268 | -0.024 |
| 10 | 34 | 12.556 | 12.504 | -0.052 |
| 15 | 35 | 12.256 | 12.264 | 0.008 |
| 15 | 36 | 12.324 | 12.319 | -0.005 |
| 15 | 37 | 12.357 | 12.311 | -0.046 |
| 15 | 38 | 12.551 | 12.573 | 0.022 |
| 15 | 39 | 12.178 | 12.204 | 0.026 |
| 30 | 40 | 12.195 | 12.252 | 0.057 |
| 30 | 41 | 12.318 | 12.322 | 0.004 |
| 30 | 42 | 12.752 | 12.616 | -0.136 |
| 30 | 43 | 12.479 | 12.493 | 0.014 |
| 30 | 44 | 12.461 | 12.627 | 0.166 |
| 35 | 45 | 12.539 | 12.551 | 0.012 |
| 35 | 46 | 12.327 | 12.361 | 0.034 |
| 35 | 47 | 12.420 | 12.453 | 0.033 |
| 35 | 48 | 12.148 | 12.199 | 0.051 |
| 35 | 49 | 12.107 | 12.173 | 0.066 |
| 50 | 50 | 12.254 | 12.253 | -0.001 |
| 50 | 51 | 12.393 | 12.458 | 0.065 |
| 50 | 52 | 12.497 | 12.428 | -0.069 |
| 50 | 53 | 12.241 | 12.226 | -0.015 |
| 50 | 54 | 12.263 | 12.309 | 0.046 |
| 55 | 55 | 12.282 | 12.301 | 0.019 |
| 55 | 56 | 12.496 | 12.563 | 0.067 |
| 55 | 57 | 12.766 | 12.673 | -0.093 |
| 55 | 58 | 12.434 | 12.556 | 0.122 |
| 55 | 59 | 12.299 | 12.286 | -0.013 |
| 100 | 60 | 12.202 | 12.213 | 0.011 |
| 100 | 61 | 12.134 | 12.116 | -0.018 |
| 100 | 62 | 12.777 | 12.692 | -0.085 |
| 100 | 63 | 12.315 | 12.476 | 0.161 |
| 100 | 64 | 12.188 | 12.198 | 0.010 |
| 105 | 65 | 12.487 | 12.512 | 0.025 |
| 105 | 66 | 12.242 | 12.263 | 0.021 |
| 105 | 67 | 12.570 | 12.503 | -0.067 |
| 105 | 68 | 12.526 | 12.387 | -0.139 |
| 105 | 69 | 12.473 | 12.341 | -0.132 |
| | Max | 12.777 | 12.709 | 0.166 |
| | Average | 12.396 | 12.399 | 0.003 |
| | Min | 12.107 | 12.116 | -0.139 |
| | Std Dev | 0.176 | 0.167 | 0.065 |




| | 4.19_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.208 | 12.144 | 12.332 | 12.268 | 12.204 | 12.252 | 12.173 | 12.226 | 12.286 | 12.116 | 12.263 |
| Average | 12.423 | 12.262 | 12.487 | 12.530 | 12.334 | 12.462 | 12.347 | 12.335 | 12.476 | 12.339 | 12.401 |
| Max | 12.687 | 12.400 | 12.709 | 12.673 | 12.573 | 12.627 | 12.551 | 12.458 | 12.673 | 12.692 | 12.512 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

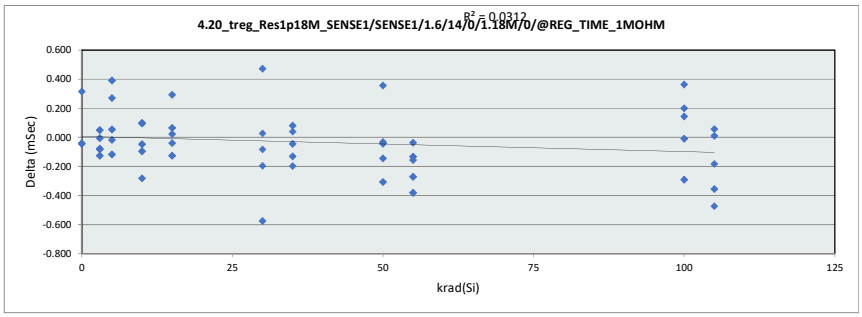


# TID HDR Report
# TPS7H3014-SP

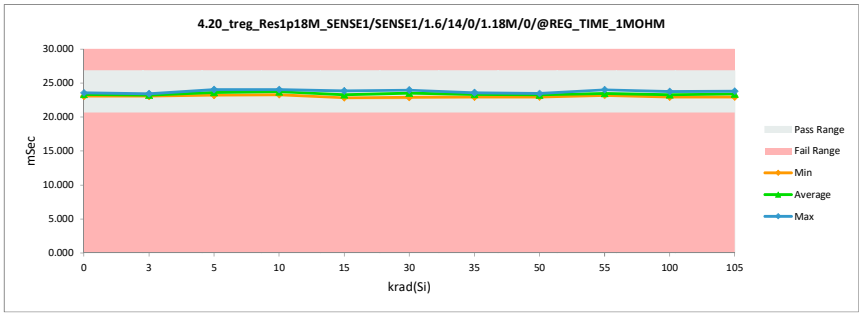
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.20_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.086 | 23.401 | 0.315 |
| 0 | 14 | 23.112 | 23.072 | -0.040 |
| 0 | 15 | 23.617 | 23.571 | -0.046 |
| 3 | 20 | 23.149 | 23.072 | -0.077 |
| 3 | 21 | 23.447 | 23.442 | -0.005 |
| 3 | 22 | 23.330 | 23.247 | -0.083 |
| 3 | 23 | 23.159 | 23.208 | 0.049 |
| 3 | 24 | 23.407 | 23.280 | -0.127 |
| 5 | 25 | 23.985 | 24.039 | 0.054 |
| 5 | 26 | 23.621 | 23.892 | 0.271 |
| 5 | 27 | 23.226 | 23.208 | -0.018 |
| 5 | 28 | 23.155 | 23.546 | 0.391 |
| 5 | 29 | 23.651 | 23.533 | -0.118 |
| 10 | 30 | 23.552 | 23.650 | 0.098 |
| 10 | 31 | 24.077 | 23.981 | -0.096 |
| 10 | 32 | 23.959 | 24.054 | 0.095 |
| 10 | 33 | 23.334 | 23.286 | -0.048 |
| 10 | 34 | 23.993 | 23.711 | -0.282 |
| 15 | 35 | 22.877 | 22.837 | -0.040 |
| 15 | 36 | 23.167 | 23.189 | 0.022 |
| 15 | 37 | 23.298 | 23.590 | 0.292 |
| 15 | 38 | 23.987 | 23.860 | -0.127 |
| 15 | 39 | 22.858 | 22.922 | 0.064 |
| 30 | 40 | 22.988 | 22.905 | -0.083 |
| 30 | 41 | 23.325 | 23.352 | 0.027 |
| 30 | 42 | 24.464 | 23.889 | -0.575 |
| 30 | 43 | 23.748 | 23.551 | -0.197 |
| 30 | 44 | 23.512 | 23.984 | 0.472 |
| 35 | 45 | 23.746 | 23.548 | -0.198 |
| 35 | 46 | 23.288 | 23.327 | 0.039 |
| 35 | 47 | 23.725 | 23.594 | -0.131 |
| 35 | 48 | 23.153 | 23.234 | 0.081 |
| 35 | 49 | 22.998 | 22.952 | -0.046 |
| 50 | 50 | 22.910 | 23.266 | 0.356 |
| 50 | 51 | 23.657 | 23.349 | -0.308 |
| 50 | 52 | 23.611 | 23.466 | -0.145 |
| 50 | 53 | 23.375 | 23.342 | -0.033 |
| 50 | 54 | 22.998 | 22.954 | -0.044 |
| 55 | 55 | 23.359 | 23.202 | -0.157 |
| 55 | 56 | 23.793 | 23.521 | -0.272 |
| 55 | 57 | 24.051 | 24.014 | -0.037 |
| 55 | 58 | 23.573 | 23.439 | -0.134 |
| 55 | 59 | 23.583 | 23.201 | -0.382 |
| 100 | 60 | 22.951 | 22.941 | -0.010 |
| 100 | 61 | 22.734 | 23.097 | 0.363 |
| 100 | 62 | 24.042 | 23.751 | -0.291 |
| 100 | 63 | 23.464 | 23.607 | 0.143 |
| 100 | 64 | 22.818 | 23.018 | 0.200 |
| 105 | 65 | 23.759 | 23.815 | 0.056 |
| 105 | 66 | 22.938 | 22.947 | 0.009 |
| 105 | 67 | 23.844 | 23.371 | -0.473 |
| 105 | 68 | 23.786 | 23.430 | -0.356 |
| 105 | 69 | 23.672 | 23.489 | -0.183 |
| | Max | 24.464 | 24.054 | 0.472 |
| | Average | 23.451 | 23.418 | -0.033 |
| | Min | 22.734 | 22.837 | -0.575 |
| | Std Dev | 0.395 | 0.330 | 0.214 |




| | 4.20_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.072 | 23.072 | 23.208 | 23.286 | 22.837 | 22.905 | 22.952 | 22.954 | 23.201 | 22.941 | 22.947 |
| Average | 23.348 | 23.250 | 23.644 | 23.736 | 23.280 | 23.536 | 23.331 | 23.275 | 23.475 | 23.283 | 23.410 |
| Max | 23.571 | 23.442 | 24.039 | 24.054 | 23.860 | 23.984 | 23.594 | 23.466 | 24.014 | 23.751 | 23.815 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

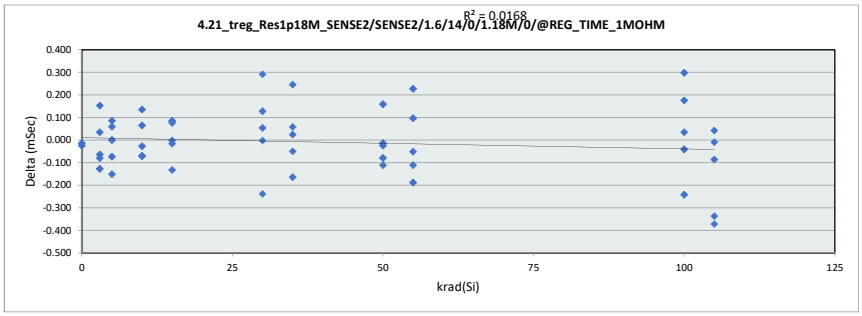


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

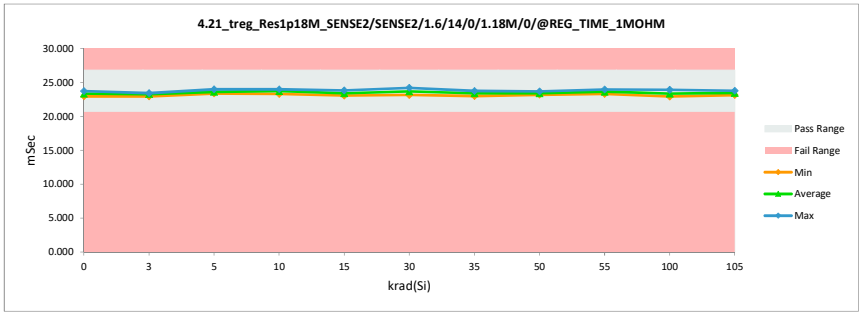
| | 4.21_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.442 | 23.419 | -0.023 |
| 0 | 14 | 22.956 | 22.942 | -0.014 |
| 0 | 15 | 23.764 | 23.739 | -0.025 |
| 3 | 20 | 23.017 | 22.937 | -0.080 |
| 3 | 21 | 23.281 | 23.434 | 0.153 |
| 3 | 22 | 23.505 | 23.441 | -0.064 |
| 3 | 23 | 23.341 | 23.376 | 0.035 |
| 3 | 24 | 23.421 | 23.294 | -0.127 |
| 5 | 25 | 23.925 | 24.011 | 0.086 |
| 5 | 26 | 23.801 | 23.728 | -0.073 |
| 5 | 27 | 23.407 | 23.407 | 0.000 |
| 5 | 28 | 23.333 | 23.392 | 0.059 |
| 5 | 29 | 23.836 | 23.685 | -0.151 |
| 10 | 30 | 23.536 | 23.671 | 0.135 |
| 10 | 31 | 24.022 | 23.952 | -0.070 |
| 10 | 32 | 23.939 | 24.004 | 0.065 |
| 10 | 33 | 23.336 | 23.309 | -0.027 |
| 10 | 34 | 23.949 | 23.878 | -0.071 |
| 15 | 35 | 23.078 | 23.062 | -0.016 |
| 15 | 36 | 23.385 | 23.383 | -0.002 |
| 15 | 37 | 23.490 | 23.575 | 0.085 |
| 15 | 38 | 23.954 | 23.822 | -0.132 |
| 15 | 39 | 23.089 | 23.165 | 0.076 |
| 30 | 40 | 23.028 | 23.156 | 0.128 |
| 30 | 41 | 23.321 | 23.375 | 0.054 |
| 30 | 42 | 24.447 | 24.209 | -0.238 |
| 30 | 43 | 23.709 | 23.707 | -0.002 |
| 30 | 44 | 23.677 | 23.968 | 0.291 |
| 35 | 45 | 23.724 | 23.749 | 0.025 |
| 35 | 46 | 23.469 | 23.527 | 0.058 |
| 35 | 47 | 23.733 | 23.569 | -0.164 |
| 35 | 48 | 23.005 | 23.251 | 0.246 |
| 35 | 49 | 23.039 | 22.989 | -0.050 |
| 50 | 50 | 23.119 | 23.278 | 0.159 |
| 50 | 51 | 23.630 | 23.551 | -0.079 |
| 50 | 52 | 23.791 | 23.680 | -0.111 |
| 50 | 53 | 23.396 | 23.372 | -0.024 |
| 50 | 54 | 23.212 | 23.199 | -0.013 |
| 55 | 55 | 23.415 | 23.304 | -0.111 |
| 55 | 56 | 23.774 | 23.871 | 0.097 |
| 55 | 57 | 24.020 | 23.969 | -0.051 |
| 55 | 58 | 23.564 | 23.791 | 0.227 |
| 55 | 59 | 23.577 | 23.389 | -0.188 |
| 100 | 60 | 23.127 | 23.162 | 0.035 |
| 100 | 61 | 22.974 | 22.933 | -0.041 |
| 100 | 62 | 24.168 | 23.926 | -0.242 |
| 100 | 63 | 23.303 | 23.601 | 0.298 |
| 100 | 64 | 23.045 | 23.221 | 0.176 |
| 105 | 65 | 23.739 | 23.781 | 0.042 |
| 105 | 66 | 23.162 | 23.153 | -0.009 |
| 105 | 67 | 23.661 | 23.575 | -0.086 |
| 105 | 68 | 23.788 | 23.416 | -0.372 |
| 105 | 69 | 23.670 | 23.334 | -0.336 |
| | Max | 24.447 | 24.209 | 0.298 |
| | Average | 23.511 | 23.502 | -0.009 |
| | Min | 22.956 | 22.933 | -0.372 |
| | Std Dev | 0.347 | 0.314 | 0.139 |




| | 4.21_treg_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 22.942 | 22.937 | 23.392 | 23.309 | 23.062 | 23.156 | 22.989 | 23.199 | 23.304 | 22.933 | 23.153 |
| Average | 23.367 | 23.296 | 23.645 | 23.763 | 23.401 | 23.683 | 23.417 | 23.416 | 23.665 | 23.369 | 23.452 |
| Max | 23.739 | 23.441 | 24.011 | 24.004 | 23.822 | 24.209 | 23.749 | 23.680 | 23.969 | 23.926 | 23.781 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

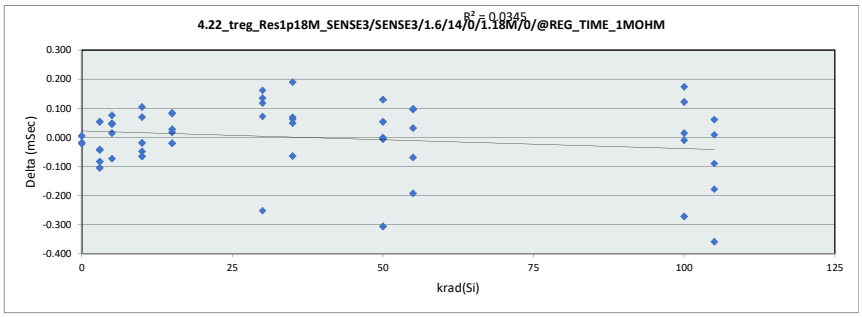


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

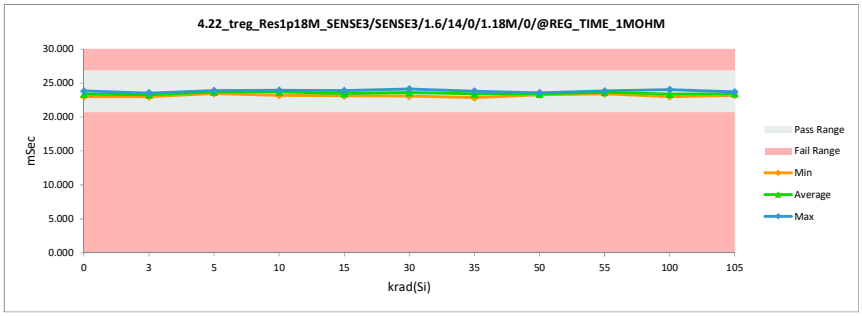
| | 4.22_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.346 | 23.329 | -0.017 |
| 0 | 14 | 23.019 | 22.997 | -0.022 |
| 0 | 15 | 23.846 | 23.851 | 0.005 |
| 3 | 20 | 23.082 | 22.999 | -0.083 |
| 3 | 21 | 23.347 | 23.304 | -0.043 |
| 3 | 22 | 23.590 | 23.548 | -0.042 |
| 3 | 23 | 23.422 | 23.476 | 0.054 |
| 3 | 24 | 23.290 | 23.185 | -0.105 |
| 5 | 25 | 23.853 | 23.929 | 0.076 |
| 5 | 26 | 23.901 | 23.828 | -0.073 |
| 5 | 27 | 23.476 | 23.491 | 0.015 |
| 5 | 28 | 23.410 | 23.456 | 0.046 |
| 5 | 29 | 23.750 | 23.798 | 0.048 |
| 10 | 30 | 23.625 | 23.577 | -0.048 |
| 10 | 31 | 23.945 | 23.880 | -0.065 |
| 10 | 32 | 23.859 | 23.929 | 0.070 |
| 10 | 33 | 23.203 | 23.184 | -0.019 |
| 10 | 34 | 23.862 | 23.967 | 0.105 |
| 15 | 35 | 23.144 | 23.124 | -0.020 |
| 15 | 36 | 23.450 | 23.468 | 0.018 |
| 15 | 37 | 23.572 | 23.656 | 0.084 |
| 15 | 38 | 23.865 | 23.893 | 0.028 |
| 15 | 39 | 23.152 | 23.234 | 0.082 |
| 30 | 40 | 22.921 | 23.083 | 0.162 |
| 30 | 41 | 23.212 | 23.284 | 0.072 |
| 30 | 42 | 24.385 | 24.133 | -0.252 |
| 30 | 43 | 23.660 | 23.778 | 0.118 |
| 30 | 44 | 23.748 | 23.883 | 0.135 |
| 35 | 45 | 23.632 | 23.822 | 0.190 |
| 35 | 46 | 23.552 | 23.615 | 0.063 |
| 35 | 47 | 23.618 | 23.667 | 0.049 |
| 35 | 48 | 23.074 | 23.143 | 0.069 |
| 35 | 49 | 22.916 | 22.852 | -0.064 |
| 50 | 50 | 23.190 | 23.320 | 0.130 |
| 50 | 51 | 23.555 | 23.609 | 0.054 |
| 50 | 52 | 23.891 | 23.585 | -0.306 |
| 50 | 53 | 23.262 | 23.256 | -0.006 |
| 50 | 54 | 23.277 | 23.276 | -0.001 |
| 55 | 55 | 23.296 | 23.394 | 0.098 |
| 55 | 56 | 23.686 | 23.782 | 0.096 |
| 55 | 57 | 23.937 | 23.868 | -0.069 |
| 55 | 58 | 23.647 | 23.679 | 0.032 |
| 55 | 59 | 23.659 | 23.467 | -0.192 |
| 100 | 60 | 23.237 | 23.227 | -0.010 |
| 100 | 61 | 23.001 | 23.016 | 0.015 |
| 100 | 62 | 24.303 | 24.031 | -0.272 |
| 100 | 63 | 23.383 | 23.505 | 0.122 |
| 100 | 64 | 23.113 | 23.287 | 0.174 |
| 105 | 65 | 23.662 | 23.723 | 0.061 |
| 105 | 66 | 23.209 | 23.218 | 0.009 |
| 105 | 67 | 23.749 | 23.659 | -0.090 |
| 105 | 68 | 23.672 | 23.313 | -0.359 |
| 105 | 69 | 23.577 | 23.399 | -0.178 |
| | Max | 24.385 | 24.133 | 0.190 |
| | Average | 23.510 | 23.509 | -0.001 |
| | Min | 22.916 | 22.852 | -0.359 |
| | Std Dev | 0.334 | 0.310 | 0.118 |




| | 4.22_treg_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 22.997 | 22.999 | 23.456 | 23.184 | 23.124 | 23.083 | 22.852 | 23.256 | 23.394 | 23.016 | 23.218 |
| Average | 23.392 | 23.302 | 23.700 | 23.707 | 23.475 | 23.632 | 23.420 | 23.409 | 23.638 | 23.413 | 23.462 |
| Max | 23.851 | 23.548 | 23.929 | 23.967 | 23.893 | 24.133 | 23.822 | 23.609 | 23.868 | 24.031 | 23.723 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

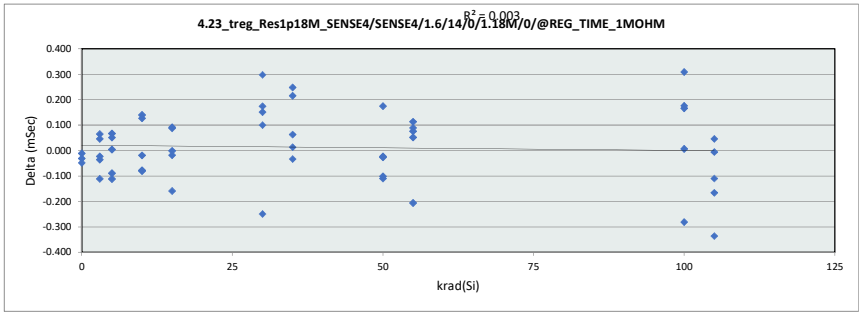


# TID HDR Report
# TPS7H3014-SP

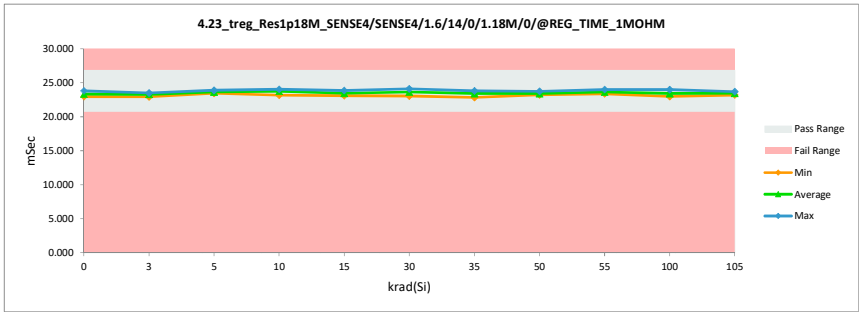
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.23_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.323 | 23.275 | -0.048 |
| 0 | 14 | 22.995 | 22.964 | -0.031 |
| 0 | 15 | 23.832 | 23.821 | -0.011 |
| 3 | 20 | 23.054 | 22.943 | -0.111 |
| 3 | 21 | 23.313 | 23.290 | -0.023 |
| 3 | 22 | 23.546 | 23.510 | -0.036 |
| 3 | 23 | 23.385 | 23.450 | 0.065 |
| 3 | 24 | 23.291 | 23.337 | 0.046 |
| 5 | 25 | 24.014 | 23.902 | -0.112 |
| 5 | 26 | 23.877 | 23.788 | -0.089 |
| 5 | 27 | 23.461 | 23.465 | 0.004 |
| 5 | 28 | 23.385 | 23.452 | 0.067 |
| 5 | 29 | 23.720 | 23.771 | 0.051 |
| 10 | 30 | 23.594 | 23.734 | 0.140 |
| 10 | 31 | 23.917 | 24.044 | 0.127 |
| 10 | 32 | 23.981 | 23.903 | -0.078 |
| 10 | 33 | 23.194 | 23.175 | -0.019 |
| 10 | 34 | 24.029 | 23.949 | -0.080 |
| 15 | 35 | 23.118 | 23.100 | -0.018 |
| 15 | 36 | 23.441 | 23.440 | -0.001 |
| 15 | 37 | 23.543 | 23.635 | 0.092 |
| 15 | 38 | 24.033 | 23.874 | -0.159 |
| 15 | 39 | 23.116 | 23.204 | 0.088 |
| 30 | 40 | 22.877 | 23.051 | 0.174 |
| 30 | 41 | 23.201 | 23.301 | 0.100 |
| 30 | 42 | 24.359 | 24.110 | -0.249 |
| 30 | 43 | 23.626 | 23.777 | 0.151 |
| 30 | 44 | 23.746 | 24.044 | 0.298 |
| 35 | 45 | 23.608 | 23.823 | 0.215 |
| 35 | 46 | 23.525 | 23.588 | 0.063 |
| 35 | 47 | 23.615 | 23.628 | 0.013 |
| 35 | 48 | 23.053 | 23.301 | 0.248 |
| 35 | 49 | 22.879 | 22.846 | -0.033 |
| 50 | 50 | 23.152 | 23.327 | 0.175 |
| 50 | 51 | 23.706 | 23.605 | -0.101 |
| 50 | 52 | 23.853 | 23.743 | -0.110 |
| 50 | 53 | 23.258 | 23.232 | -0.026 |
| 50 | 54 | 23.256 | 23.233 | -0.023 |
| 55 | 55 | 23.283 | 23.372 | 0.089 |
| 55 | 56 | 23.658 | 23.734 | 0.076 |
| 55 | 57 | 23.911 | 24.024 | 0.113 |
| 55 | 58 | 23.621 | 23.673 | 0.052 |
| 55 | 59 | 23.640 | 23.434 | -0.206 |
| 100 | 60 | 23.201 | 23.208 | 0.007 |
| 100 | 61 | 22.824 | 22.990 | 0.166 |
| 100 | 62 | 24.274 | 23.993 | -0.281 |
| 100 | 63 | 23.357 | 23.666 | 0.309 |
| 100 | 64 | 23.086 | 23.262 | 0.176 |
| 105 | 65 | 23.641 | 23.687 | 0.046 |
| 105 | 66 | 23.200 | 23.194 | -0.006 |
| 105 | 67 | 23.728 | 23.618 | -0.110 |
| 105 | 68 | 23.672 | 23.336 | -0.336 |
| 105 | 69 | 23.549 | 23.383 | -0.166 |
| | Max | 24.359 | 24.110 | 0.309 |
| | Average | 23.500 | 23.513 | 0.013 |
| | Min | 22.824 | 22.846 | -0.336 |
| | Std Dev | 0.357 | 0.323 | 0.137 |




| | 4.23_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 22.964 | 22.943 | 23.452 | 23.175 | 23.100 | 23.051 | 22.846 | 23.232 | 23.372 | 22.990 | 23.194 |
| Average | 23.353 | 23.306 | 23.676 | 23.761 | 23.451 | 23.657 | 23.437 | 23.428 | 23.647 | 23.424 | 23.444 |
| Max | 23.821 | 23.510 | 23.902 | 24.044 | 23.874 | 24.110 | 23.823 | 23.743 | 24.024 | 23.993 | 23.687 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

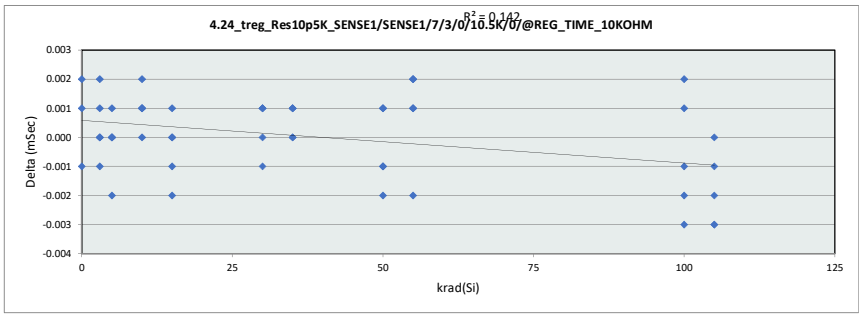


# TID HDR Report
# TPS7H3014-SP

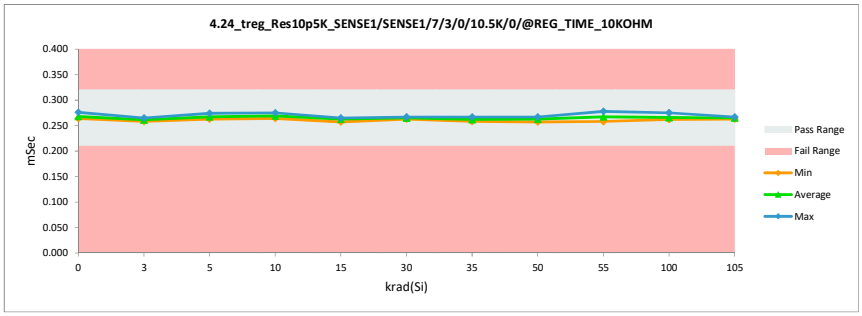
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.24_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.264 | -0.001 |
| 0 | 14 | 0.262 | 0.264 | 0.002 |
| 0 | 15 | 0.275 | 0.276 | 0.001 |
| 3 | 20 | 0.262 | 0.264 | 0.002 |
| 3 | 21 | 0.258 | 0.258 | 0.000 |
| 3 | 22 | 0.265 | 0.265 | 0.000 |
| 3 | 23 | 0.257 | 0.258 | 0.001 |
| 3 | 24 | 0.263 | 0.262 | -0.001 |
| 5 | 25 | 0.274 | 0.274 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.265 | 0.263 | -0.002 |
| 5 | 28 | 0.263 | 0.264 | 0.001 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.273 | 0.275 | 0.002 |
| 10 | 31 | 0.273 | 0.274 | 0.001 |
| 10 | 32 | 0.264 | 0.265 | 0.001 |
| 10 | 33 | 0.266 | 0.267 | 0.001 |
| 10 | 34 | 0.264 | 0.264 | 0.000 |
| 15 | 35 | 0.264 | 0.264 | 0.000 |
| 15 | 36 | 0.263 | 0.264 | 0.001 |
| 15 | 37 | 0.259 | 0.257 | -0.002 |
| 15 | 38 | 0.266 | 0.265 | -0.001 |
| 15 | 39 | 0.264 | 0.264 | 0.000 |
| 30 | 40 | 0.265 | 0.265 | 0.000 |
| 30 | 41 | 0.265 | 0.266 | 0.001 |
| 30 | 42 | 0.264 | 0.263 | -0.001 |
| 30 | 43 | 0.264 | 0.265 | 0.001 |
| 30 | 44 | 0.266 | 0.267 | 0.001 |
| 35 | 45 | 0.266 | 0.267 | 0.001 |
| 35 | 46 | 0.258 | 0.258 | 0.000 |
| 35 | 47 | 0.264 | 0.265 | 0.001 |
| 35 | 48 | 0.258 | 0.258 | 0.000 |
| 35 | 49 | 0.261 | 0.262 | 0.001 |
| 50 | 50 | 0.265 | 0.263 | -0.002 |
| 50 | 51 | 0.266 | 0.267 | 0.001 |
| 50 | 52 | 0.264 | 0.263 | -0.001 |
| 50 | 53 | 0.258 | 0.257 | -0.001 |
| 50 | 54 | 0.263 | 0.264 | 0.001 |
| 55 | 55 | 0.264 | 0.265 | 0.001 |
| 55 | 56 | 0.266 | 0.268 | 0.002 |
| 55 | 57 | 0.276 | 0.278 | 0.002 |
| 55 | 58 | 0.269 | 0.267 | -0.002 |
| 55 | 59 | 0.257 | 0.258 | 0.001 |
| 100 | 60 | 0.264 | 0.266 | 0.002 |
| 100 | 61 | 0.265 | 0.262 | -0.003 |
| 100 | 62 | 0.274 | 0.275 | 0.001 |
| 100 | 63 | 0.267 | 0.265 | -0.002 |
| 100 | 64 | 0.263 | 0.262 | -0.001 |
| 105 | 65 | 0.264 | 0.264 | 0.000 |
| 105 | 66 | 0.264 | 0.263 | -0.001 |
| 105 | 67 | 0.269 | 0.266 | -0.003 |
| 105 | 68 | 0.268 | 0.265 | -0.003 |
| 105 | 69 | 0.269 | 0.267 | -0.002 |
| | Max | 0.276 | 0.278 | 0.002 |
| | Average | 0.265 | 0.265 | 0.000 |
| | Min | 0.257 | 0.257 | -0.003 |
| | Std Dev | 0.004 | 0.005 | 0.001 |




| | 4.24_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.264 | 0.258 | 0.263 | 0.264 | 0.257 | 0.263 | 0.258 | 0.257 | 0.258 | 0.262 | 0.263 |
| Average | 0.268 | 0.261 | 0.267 | 0.269 | 0.263 | 0.265 | 0.262 | 0.263 | 0.267 | 0.266 | 0.265 |
| Max | 0.276 | 0.265 | 0.274 | 0.275 | 0.265 | 0.267 | 0.267 | 0.267 | 0.278 | 0.275 | 0.267 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

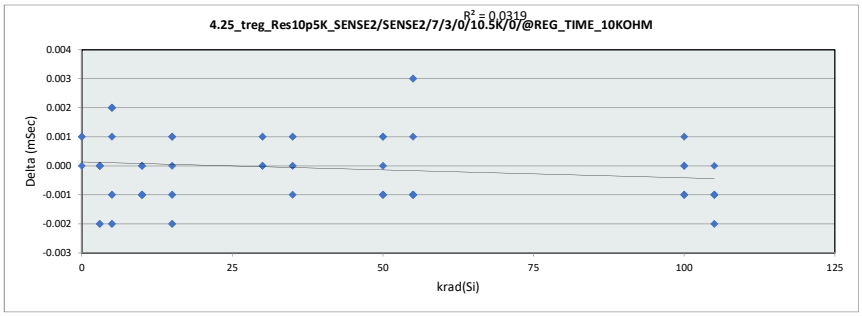


# TID HDR Report
# TPS7H3014-SP

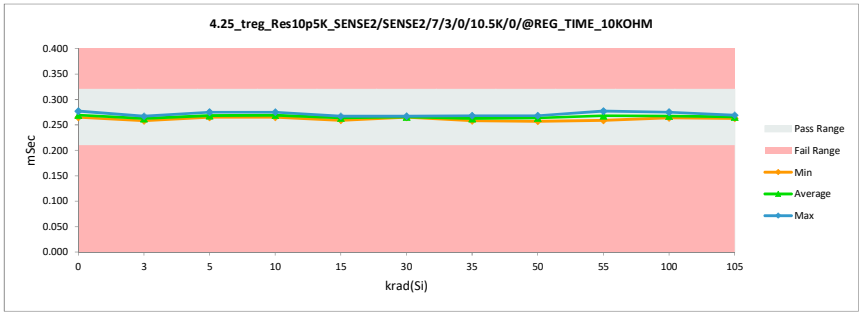
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.25_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.266 | 0.000 |
| 0 | 14 | 0.264 | 0.265 | 0.001 |
| 0 | 15 | 0.276 | 0.277 | 0.001 |
| 3 | 20 | 0.264 | 0.264 | 0.000 |
| 3 | 21 | 0.260 | 0.258 | -0.002 |
| 3 | 22 | 0.267 | 0.267 | 0.000 |
| 3 | 23 | 0.260 | 0.260 | 0.000 |
| 3 | 24 | 0.264 | 0.264 | 0.000 |
| 5 | 25 | 0.277 | 0.275 | -0.002 |
| 5 | 26 | 0.268 | 0.269 | 0.001 |
| 5 | 27 | 0.266 | 0.265 | -0.001 |
| 5 | 28 | 0.264 | 0.266 | 0.002 |
| 5 | 29 | 0.266 | 0.268 | 0.002 |
| 10 | 30 | 0.275 | 0.274 | -0.001 |
| 10 | 31 | 0.275 | 0.275 | 0.000 |
| 10 | 32 | 0.266 | 0.265 | -0.001 |
| 10 | 33 | 0.268 | 0.267 | -0.001 |
| 10 | 34 | 0.265 | 0.265 | 0.000 |
| 15 | 35 | 0.265 | 0.263 | -0.002 |
| 15 | 36 | 0.264 | 0.265 | 0.001 |
| 15 | 37 | 0.259 | 0.259 | 0.000 |
| 15 | 38 | 0.268 | 0.267 | -0.001 |
| 15 | 39 | 0.264 | 0.265 | 0.001 |
| 30 | 40 | 0.266 | 0.267 | 0.001 |
| 30 | 41 | 0.266 | 0.266 | 0.000 |
| 30 | 42 | 0.265 | 0.265 | 0.000 |
| 30 | 43 | 0.264 | 0.265 | 0.001 |
| 30 | 44 | 0.267 | 0.267 | 0.000 |
| 35 | 45 | 0.267 | 0.268 | 0.001 |
| 35 | 46 | 0.257 | 0.258 | 0.001 |
| 35 | 47 | 0.265 | 0.265 | 0.000 |
| 35 | 48 | 0.260 | 0.259 | -0.001 |
| 35 | 49 | 0.263 | 0.263 | 0.000 |
| 50 | 50 | 0.264 | 0.263 | -0.001 |
| 50 | 51 | 0.267 | 0.268 | 0.001 |
| 50 | 52 | 0.265 | 0.266 | 0.001 |
| 50 | 53 | 0.257 | 0.257 | 0.000 |
| 50 | 54 | 0.264 | 0.263 | -0.001 |
| 55 | 55 | 0.267 | 0.266 | -0.001 |
| 55 | 56 | 0.266 | 0.269 | 0.003 |
| 55 | 57 | 0.278 | 0.277 | -0.001 |
| 55 | 58 | 0.270 | 0.269 | -0.001 |
| 55 | 59 | 0.258 | 0.259 | 0.001 |
| 100 | 60 | 0.265 | 0.266 | 0.001 |
| 100 | 61 | 0.265 | 0.265 | 0.000 |
| 100 | 62 | 0.276 | 0.275 | -0.001 |
| 100 | 63 | 0.268 | 0.267 | -0.001 |
| 100 | 64 | 0.264 | 0.264 | 0.000 |
| 105 | 65 | 0.266 | 0.265 | -0.001 |
| 105 | 66 | 0.264 | 0.263 | -0.001 |
| 105 | 67 | 0.268 | 0.267 | -0.001 |
| 105 | 68 | 0.268 | 0.266 | -0.002 |
| 105 | 69 | 0.269 | 0.269 | 0.000 |
| | Max | 0.278 | 0.277 | 0.003 |
| | Average | 0.266 | 0.266 | 0.000 |
| | Min | 0.257 | 0.257 | -0.002 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.25_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.265 | 0.258 | 0.265 | 0.265 | 0.259 | 0.265 | 0.258 | 0.257 | 0.259 | 0.264 | 0.263 |
| Average | 0.269 | 0.263 | 0.269 | 0.269 | 0.264 | 0.266 | 0.263 | 0.263 | 0.268 | 0.267 | 0.266 |
| Max | 0.277 | 0.267 | 0.275 | 0.275 | 0.267 | 0.267 | 0.268 | 0.268 | 0.277 | 0.275 | 0.269 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

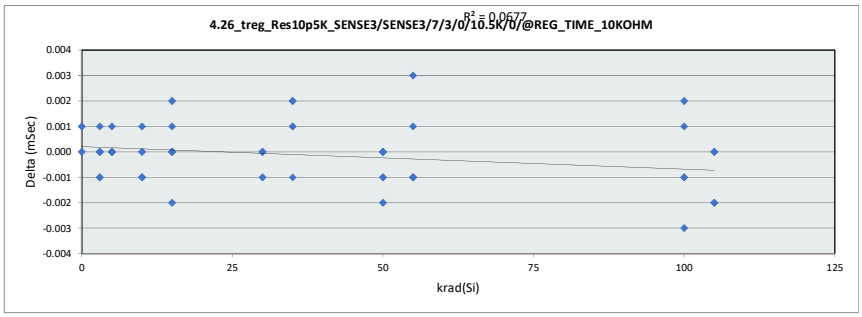


# TID HDR Report
# TPS7H3014-SP

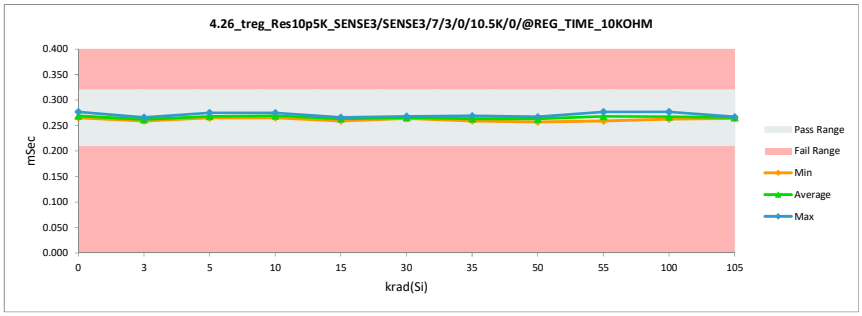
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.26_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.265 | 0.265 | 0.000 |
| 0 | 14 | 0.264 | 0.265 | 0.001 |
| 0 | 15 | 0.276 | 0.277 | 0.001 |
| 3 | 20 | 0.263 | 0.263 | 0.000 |
| 3 | 21 | 0.260 | 0.259 | -0.001 |
| 3 | 22 | 0.267 | 0.266 | -0.001 |
| 3 | 23 | 0.258 | 0.259 | 0.001 |
| 3 | 24 | 0.263 | 0.263 | 0.000 |
| 5 | 25 | 0.275 | 0.275 | 0.000 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.264 | 0.265 | 0.001 |
| 5 | 28 | 0.265 | 0.265 | 0.000 |
| 5 | 29 | 0.267 | 0.267 | 0.000 |
| 10 | 30 | 0.276 | 0.275 | -0.001 |
| 10 | 31 | 0.274 | 0.274 | 0.000 |
| 10 | 32 | 0.266 | 0.265 | -0.001 |
| 10 | 33 | 0.268 | 0.267 | -0.001 |
| 10 | 34 | 0.265 | 0.266 | 0.001 |
| 15 | 35 | 0.265 | 0.263 | -0.002 |
| 15 | 36 | 0.264 | 0.264 | 0.000 |
| 15 | 37 | 0.258 | 0.259 | 0.001 |
| 15 | 38 | 0.266 | 0.266 | 0.000 |
| 15 | 39 | 0.264 | 0.266 | 0.002 |
| 30 | 40 | 0.267 | 0.266 | -0.001 |
| 30 | 41 | 0.267 | 0.266 | -0.001 |
| 30 | 42 | 0.265 | 0.265 | 0.000 |
| 30 | 43 | 0.264 | 0.264 | 0.000 |
| 30 | 44 | 0.268 | 0.268 | 0.000 |
| 35 | 45 | 0.268 | 0.269 | 0.001 |
| 35 | 46 | 0.258 | 0.259 | 0.001 |
| 35 | 47 | 0.264 | 0.266 | 0.002 |
| 35 | 48 | 0.260 | 0.259 | -0.001 |
| 35 | 49 | 0.262 | 0.264 | 0.002 |
| 50 | 50 | 0.266 | 0.264 | -0.002 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.266 | 0.265 | -0.001 |
| 50 | 53 | 0.258 | 0.257 | -0.001 |
| 50 | 54 | 0.263 | 0.263 | 0.000 |
| 55 | 55 | 0.267 | 0.266 | -0.001 |
| 55 | 56 | 0.266 | 0.269 | 0.003 |
| 55 | 57 | 0.278 | 0.277 | -0.001 |
| 55 | 58 | 0.269 | 0.270 | 0.001 |
| 55 | 59 | 0.260 | 0.259 | -0.001 |
| 100 | 60 | 0.265 | 0.264 | -0.001 |
| 100 | 61 | 0.266 | 0.263 | -0.003 |
| 100 | 62 | 0.276 | 0.277 | 0.001 |
| 100 | 63 | 0.267 | 0.269 | 0.002 |
| 100 | 64 | 0.266 | 0.265 | -0.001 |
| 105 | 65 | 0.265 | 0.265 | 0.000 |
| 105 | 66 | 0.264 | 0.264 | 0.000 |
| 105 | 67 | 0.269 | 0.267 | -0.002 |
| 105 | 68 | 0.268 | 0.266 | -0.002 |
| 105 | 69 | 0.269 | 0.267 | -0.002 |
| | Max | 0.278 | 0.277 | 0.003 |
| | Average | 0.266 | 0.266 | 0.000 |
| | Min | 0.258 | 0.257 | -0.003 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.26_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.265 | 0.259 | 0.265 | 0.265 | 0.259 | 0.264 | 0.259 | 0.257 | 0.259 | 0.263 | 0.264 |
| Average | 0.269 | 0.262 | 0.268 | 0.269 | 0.264 | 0.266 | 0.263 | 0.263 | 0.268 | 0.268 | 0.266 |
| Max | 0.277 | 0.266 | 0.275 | 0.275 | 0.266 | 0.268 | 0.269 | 0.267 | 0.277 | 0.277 | 0.267 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

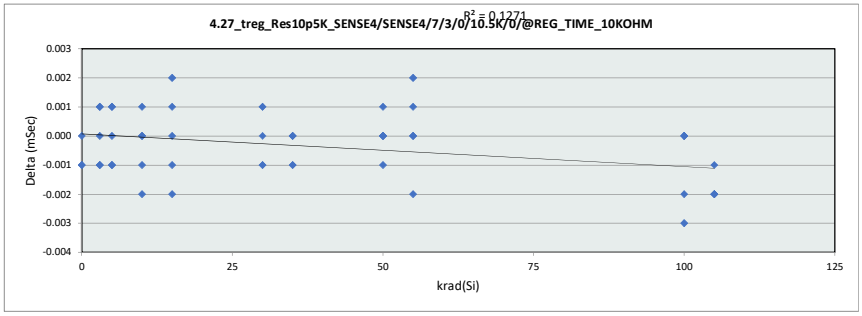


# TID HDR Report
# TPS7H3014-SP

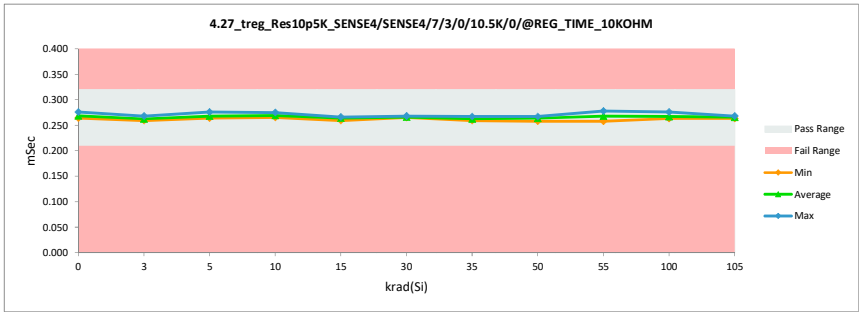
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.27_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.266 | 0.265 | -0.001 |
| 0 | 14 | 0.265 | 0.264 | -0.001 |
| 0 | 15 | 0.276 | 0.276 | 0.000 |
| 3 | 20 | 0.263 | 0.263 | 0.000 |
| 3 | 21 | 0.260 | 0.259 | -0.001 |
| 3 | 22 | 0.267 | 0.268 | 0.001 |
| 3 | 23 | 0.259 | 0.260 | 0.001 |
| 3 | 24 | 0.264 | 0.263 | -0.001 |
| 5 | 25 | 0.275 | 0.276 | 0.001 |
| 5 | 26 | 0.268 | 0.268 | 0.000 |
| 5 | 27 | 0.265 | 0.264 | -0.001 |
| 5 | 28 | 0.265 | 0.264 | -0.001 |
| 5 | 29 | 0.267 | 0.268 | 0.001 |
| 10 | 30 | 0.275 | 0.275 | 0.000 |
| 10 | 31 | 0.274 | 0.274 | 0.000 |
| 10 | 32 | 0.265 | 0.266 | 0.001 |
| 10 | 33 | 0.268 | 0.266 | -0.002 |
| 10 | 34 | 0.266 | 0.265 | -0.001 |
| 15 | 35 | 0.265 | 0.264 | -0.001 |
| 15 | 36 | 0.264 | 0.265 | 0.001 |
| 15 | 37 | 0.259 | 0.259 | 0.000 |
| 15 | 38 | 0.268 | 0.266 | -0.002 |
| 15 | 39 | 0.264 | 0.266 | 0.002 |
| 30 | 40 | 0.267 | 0.266 | -0.001 |
| 30 | 41 | 0.267 | 0.268 | 0.001 |
| 30 | 42 | 0.266 | 0.265 | -0.001 |
| 30 | 43 | 0.264 | 0.265 | 0.001 |
| 30 | 44 | 0.267 | 0.267 | 0.000 |
| 35 | 45 | 0.267 | 0.267 | 0.000 |
| 35 | 46 | 0.259 | 0.259 | 0.000 |
| 35 | 47 | 0.266 | 0.265 | -0.001 |
| 35 | 48 | 0.260 | 0.260 | 0.000 |
| 35 | 49 | 0.263 | 0.262 | -0.001 |
| 50 | 50 | 0.265 | 0.264 | -0.001 |
| 50 | 51 | 0.267 | 0.267 | 0.000 |
| 50 | 52 | 0.265 | 0.265 | 0.000 |
| 50 | 53 | 0.257 | 0.258 | 0.001 |
| 50 | 54 | 0.265 | 0.265 | 0.000 |
| 55 | 55 | 0.267 | 0.265 | -0.002 |
| 55 | 56 | 0.266 | 0.268 | 0.002 |
| 55 | 57 | 0.277 | 0.278 | 0.001 |
| 55 | 58 | 0.269 | 0.269 | 0.000 |
| 55 | 59 | 0.258 | 0.258 | 0.000 |
| 100 | 60 | 0.266 | 0.266 | 0.000 |
| 100 | 61 | 0.266 | 0.264 | -0.002 |
| 100 | 62 | 0.276 | 0.276 | 0.000 |
| 100 | 63 | 0.267 | 0.267 | 0.000 |
| 100 | 64 | 0.266 | 0.263 | -0.003 |
| 105 | 65 | 0.267 | 0.265 | -0.002 |
| 105 | 66 | 0.265 | 0.263 | -0.002 |
| 105 | 67 | 0.268 | 0.267 | -0.001 |
| 105 | 68 | 0.268 | 0.266 | -0.002 |
| 105 | 69 | 0.270 | 0.268 | -0.002 |
| | Max | 0.277 | 0.278 | 0.002 |
| | Average | 0.266 | 0.266 | 0.000 |
| | Min | 0.257 | 0.258 | -0.003 |
| | Std Dev | 0.004 | 0.005 | 0.001 |




| | 4.27_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.264 | 0.259 | 0.264 | 0.265 | 0.259 | 0.265 | 0.259 | 0.258 | 0.258 | 0.263 | 0.263 |
| Average | 0.268 | 0.263 | 0.268 | 0.269 | 0.264 | 0.266 | 0.263 | 0.264 | 0.268 | 0.267 | 0.266 |
| Max | 0.276 | 0.268 | 0.276 | 0.275 | 0.266 | 0.268 | 0.267 | 0.267 | 0.278 | 0.276 | 0.268 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

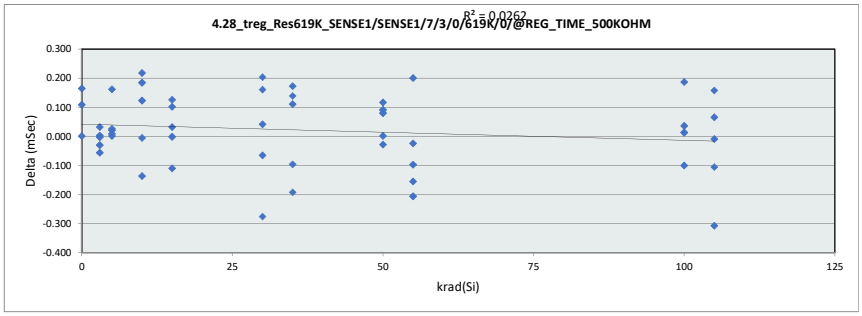


# TID HDR Report
# TPS7H3014-SP

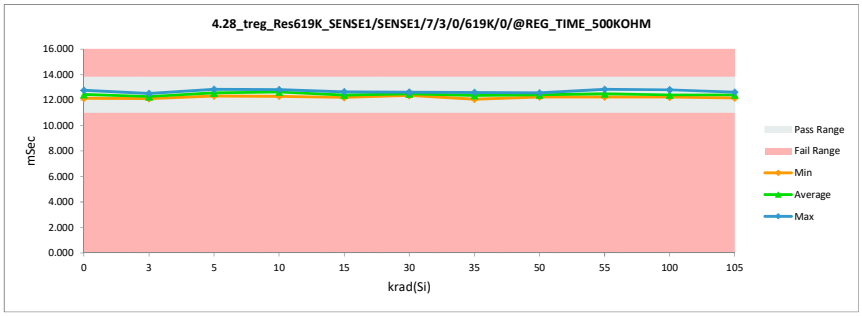
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.28_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.316 | 12.425 | 0.109 |
| 0 | 14 | 12.148 | 12.149 | 0.001 |
| 0 | 15 | 12.601 | 12.766 | 0.165 |
| 3 | 20 | 12.174 | 12.118 | -0.056 |
| 3 | 21 | 12.205 | 12.237 | 0.032 |
| 3 | 22 | 12.530 | 12.528 | -0.002 |
| 3 | 23 | 12.278 | 12.281 | 0.003 |
| 3 | 24 | 12.260 | 12.230 | -0.030 |
| 5 | 25 | 12.830 | 12.851 | 0.021 |
| 5 | 26 | 12.544 | 12.706 | 0.162 |
| 5 | 27 | 12.321 | 12.323 | 0.002 |
| 5 | 28 | 12.469 | 12.478 | 0.009 |
| 5 | 29 | 12.464 | 12.490 | 0.026 |
| 10 | 30 | 12.465 | 12.683 | 0.218 |
| 10 | 31 | 12.822 | 12.817 | -0.005 |
| 10 | 32 | 12.541 | 12.726 | 0.185 |
| 10 | 33 | 12.437 | 12.301 | -0.136 |
| 10 | 34 | 12.525 | 12.648 | 0.123 |
| 15 | 35 | 12.318 | 12.208 | -0.110 |
| 15 | 36 | 12.311 | 12.310 | -0.001 |
| 15 | 37 | 12.417 | 12.449 | 0.032 |
| 15 | 38 | 12.553 | 12.655 | 0.102 |
| 15 | 39 | 12.217 | 12.343 | 0.126 |
| 30 | 40 | 12.159 | 12.363 | 0.204 |
| 30 | 41 | 12.285 | 12.446 | 0.161 |
| 30 | 42 | 12.889 | 12.613 | -0.276 |
| 30 | 43 | 12.402 | 12.444 | 0.042 |
| 30 | 44 | 12.653 | 12.588 | -0.065 |
| 35 | 45 | 12.495 | 12.606 | 0.111 |
| 35 | 46 | 12.389 | 12.293 | -0.096 |
| 35 | 47 | 12.412 | 12.551 | 0.139 |
| 35 | 48 | 12.108 | 12.281 | 0.173 |
| 35 | 49 | 12.265 | 12.073 | -0.192 |
| 50 | 50 | 12.314 | 12.394 | 0.080 |
| 50 | 51 | 12.579 | 12.551 | -0.028 |
| 50 | 52 | 12.490 | 12.581 | 0.091 |
| 50 | 53 | 12.199 | 12.316 | 0.117 |
| 50 | 54 | 12.248 | 12.250 | 0.002 |
| 55 | 55 | 12.446 | 12.291 | -0.155 |
| 55 | 56 | 12.601 | 12.504 | -0.097 |
| 55 | 57 | 12.867 | 12.843 | -0.024 |
| 55 | 58 | 12.417 | 12.618 | 0.201 |
| 55 | 59 | 12.460 | 12.254 | -0.206 |
| 100 | 60 | 12.227 | 12.241 | 0.014 |
| 100 | 61 | 12.094 | 12.281 | 0.187 |
| 100 | 62 | 12.792 | 12.805 | 0.013 |
| 100 | 63 | 12.477 | 12.377 | -0.100 |
| 100 | 64 | 12.317 | 12.353 | 0.036 |
| 105 | 65 | 12.465 | 12.623 | 0.158 |
| 105 | 66 | 12.176 | 12.167 | -0.009 |
| 105 | 67 | 12.498 | 12.564 | 0.066 |
| 105 | 68 | 12.619 | 12.312 | -0.307 |
| 105 | 69 | 12.451 | 12.346 | -0.105 |
| | Max | 12.889 | 12.851 | 0.218 |
| | Average | 12.425 | 12.446 | 0.021 |
| | Min | 12.094 | 12.073 | -0.307 |
| | Std Dev | 0.196 | 0.202 | 0.123 |




| | 4.28_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.149 | 12.118 | 12.323 | 12.301 | 12.208 | 12.363 | 12.073 | 12.250 | 12.254 | 12.241 | 12.167 |
| Average | 12.447 | 12.279 | 12.570 | 12.635 | 12.393 | 12.491 | 12.361 | 12.418 | 12.502 | 12.411 | 12.402 |
| Max | 12.766 | 12.528 | 12.851 | 12.817 | 12.655 | 12.613 | 12.606 | 12.581 | 12.843 | 12.805 | 12.623 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

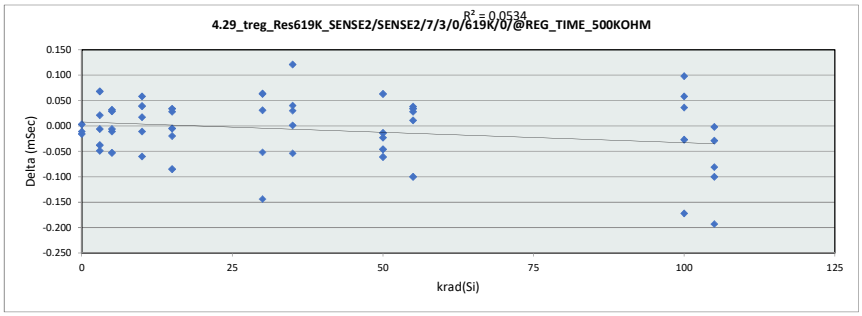


# TID HDR Report
# TPS7H3014-SP

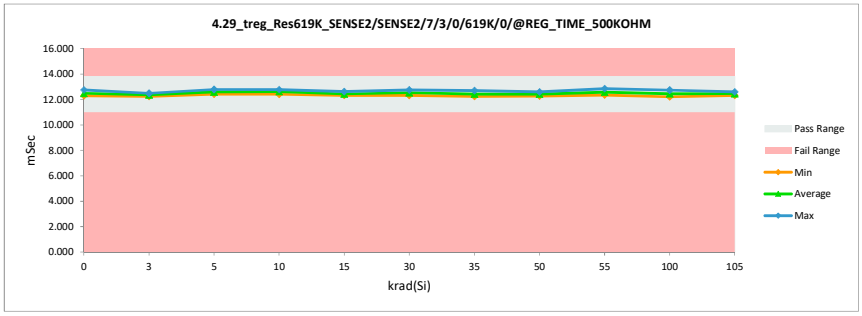
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.29_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.449 | 12.438 | -0.011 |
| 0 | 14 | 12.280 | 12.283 | 0.003 |
| 0 | 15 | 12.755 | 12.739 | -0.016 |
| 3 | 20 | 12.281 | 12.232 | -0.049 |
| 3 | 21 | 12.304 | 12.372 | 0.068 |
| 3 | 22 | 12.519 | 12.481 | -0.038 |
| 3 | 23 | 12.376 | 12.397 | 0.021 |
| 3 | 24 | 12.349 | 12.343 | -0.006 |
| 5 | 25 | 12.756 | 12.788 | 0.032 |
| 5 | 26 | 12.635 | 12.629 | -0.006 |
| 5 | 27 | 12.490 | 12.479 | -0.011 |
| 5 | 28 | 12.467 | 12.414 | -0.053 |
| 5 | 29 | 12.619 | 12.648 | 0.029 |
| 10 | 30 | 12.619 | 12.677 | 0.058 |
| 10 | 31 | 12.748 | 12.765 | 0.017 |
| 10 | 32 | 12.627 | 12.666 | 0.039 |
| 10 | 33 | 12.421 | 12.410 | -0.011 |
| 10 | 34 | 12.685 | 12.625 | -0.060 |
| 15 | 35 | 12.345 | 12.325 | -0.020 |
| 15 | 36 | 12.487 | 12.402 | -0.085 |
| 15 | 37 | 12.419 | 12.453 | 0.034 |
| 15 | 38 | 12.619 | 12.614 | -0.005 |
| 15 | 39 | 12.350 | 12.378 | 0.028 |
| 30 | 40 | 12.256 | 12.319 | 0.063 |
| 30 | 41 | 12.398 | 12.429 | 0.031 |
| 30 | 42 | 12.890 | 12.746 | -0.144 |
| 30 | 43 | 12.573 | 12.521 | -0.052 |
| 30 | 44 | 12.614 | 12.678 | 0.064 |
| 35 | 45 | 12.566 | 12.687 | 0.121 |
| 35 | 46 | 12.386 | 12.416 | 0.030 |
| 35 | 47 | 12.568 | 12.514 | -0.054 |
| 35 | 48 | 12.245 | 12.246 | 0.001 |
| 35 | 49 | 12.191 | 12.231 | 0.040 |
| 50 | 50 | 12.336 | 12.322 | -0.014 |
| 50 | 51 | 12.561 | 12.538 | -0.023 |
| 50 | 52 | 12.650 | 12.589 | -0.061 |
| 50 | 53 | 12.313 | 12.267 | -0.046 |
| 50 | 54 | 12.331 | 12.394 | 0.063 |
| 55 | 55 | 12.447 | 12.485 | 0.038 |
| 55 | 56 | 12.568 | 12.596 | 0.028 |
| 55 | 57 | 12.821 | 12.855 | 0.034 |
| 55 | 58 | 12.586 | 12.597 | 0.011 |
| 55 | 59 | 12.448 | 12.348 | -0.100 |
| 100 | 60 | 12.346 | 12.382 | 0.036 |
| 100 | 61 | 12.233 | 12.206 | -0.027 |
| 100 | 62 | 12.909 | 12.737 | -0.172 |
| 100 | 63 | 12.474 | 12.532 | 0.058 |
| 100 | 64 | 12.266 | 12.364 | 0.098 |
| 105 | 65 | 12.540 | 12.538 | -0.002 |
| 105 | 66 | 12.339 | 12.310 | -0.029 |
| 105 | 67 | 12.664 | 12.583 | -0.081 |
| 105 | 68 | 12.586 | 12.393 | -0.193 |
| 105 | 69 | 12.538 | 12.438 | -0.100 |
| | Max | 12.909 | 12.855 | 0.121 |
| | Average | 12.495 | 12.487 | -0.008 |
| | Min | 12.191 | 12.206 | -0.193 |
| | Std Dev | 0.174 | 0.164 | 0.063 |




| | 4.29_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.283 | 12.232 | 12.414 | 12.410 | 12.325 | 12.319 | 12.231 | 12.267 | 12.348 | 12.206 | 12.310 |
| Average | 12.487 | 12.365 | 12.592 | 12.629 | 12.434 | 12.539 | 12.419 | 12.422 | 12.576 | 12.444 | 12.452 |
| Max | 12.739 | 12.481 | 12.788 | 12.765 | 12.614 | 12.746 | 12.687 | 12.589 | 12.855 | 12.737 | 12.583 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

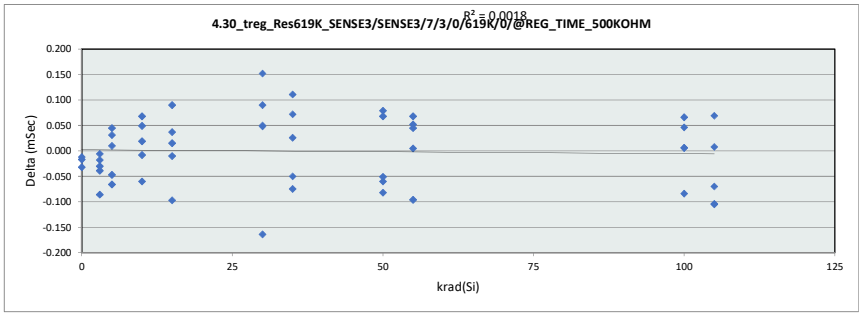


# TID HDR Report
# TPS7H3014-SP

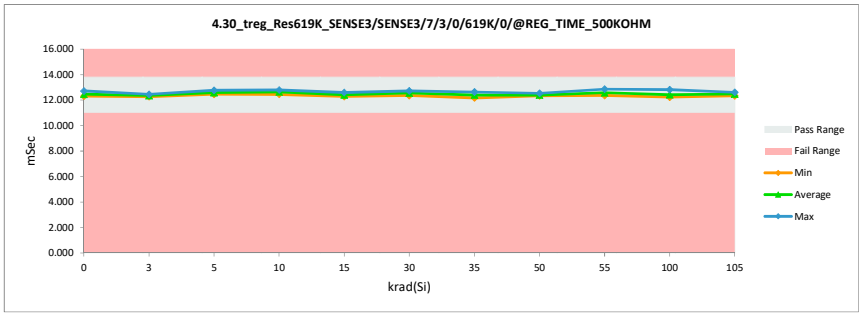
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.30_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.399 | 12.387 | -0.012 |
| 0 | 14 | 12.336 | 12.304 | -0.032 |
| 0 | 15 | 12.731 | 12.714 | -0.017 |
| 3 | 20 | 12.305 | 12.266 | -0.039 |
| 3 | 21 | 12.348 | 12.318 | -0.030 |
| 3 | 22 | 12.477 | 12.459 | -0.018 |
| 3 | 23 | 12.422 | 12.416 | -0.006 |
| 3 | 24 | 12.396 | 12.310 | -0.086 |
| 5 | 25 | 12.837 | 12.771 | -0.066 |
| 5 | 26 | 12.709 | 12.662 | -0.047 |
| 5 | 27 | 12.449 | 12.459 | 0.010 |
| 5 | 28 | 12.421 | 12.466 | 0.045 |
| 5 | 29 | 12.584 | 12.615 | 0.031 |
| 10 | 30 | 12.585 | 12.653 | 0.068 |
| 10 | 31 | 12.806 | 12.798 | -0.008 |
| 10 | 32 | 12.707 | 12.726 | 0.019 |
| 10 | 33 | 12.404 | 12.453 | 0.049 |
| 10 | 34 | 12.646 | 12.586 | -0.060 |
| 15 | 35 | 12.290 | 12.280 | -0.010 |
| 15 | 36 | 12.425 | 12.440 | 0.015 |
| 15 | 37 | 12.370 | 12.407 | 0.037 |
| 15 | 38 | 12.689 | 12.592 | -0.097 |
| 15 | 39 | 12.291 | 12.381 | 0.090 |
| 30 | 40 | 12.268 | 12.358 | 0.090 |
| 30 | 41 | 12.344 | 12.392 | 0.048 |
| 30 | 42 | 12.890 | 12.726 | -0.164 |
| 30 | 43 | 12.534 | 12.584 | 0.050 |
| 30 | 44 | 12.579 | 12.731 | 0.152 |
| 35 | 45 | 12.559 | 12.631 | 0.072 |
| 35 | 46 | 12.422 | 12.448 | 0.026 |
| 35 | 47 | 12.543 | 12.468 | -0.075 |
| 35 | 48 | 12.181 | 12.292 | 0.111 |
| 35 | 49 | 12.225 | 12.175 | -0.050 |
| 50 | 50 | 12.277 | 12.345 | 0.068 |
| 50 | 51 | 12.534 | 12.483 | -0.051 |
| 50 | 52 | 12.620 | 12.538 | -0.082 |
| 50 | 53 | 12.260 | 12.339 | 0.079 |
| 50 | 54 | 12.390 | 12.330 | -0.060 |
| 55 | 55 | 12.390 | 12.435 | 0.045 |
| 55 | 56 | 12.631 | 12.636 | 0.005 |
| 55 | 57 | 12.806 | 12.858 | 0.052 |
| 55 | 58 | 12.553 | 12.621 | 0.068 |
| 55 | 59 | 12.457 | 12.361 | -0.096 |
| 100 | 60 | 12.318 | 12.324 | 0.006 |
| 100 | 61 | 12.167 | 12.233 | 0.066 |
| 100 | 62 | 12.900 | 12.816 | -0.084 |
| 100 | 63 | 12.442 | 12.488 | 0.046 |
| 100 | 64 | 12.300 | 12.306 | 0.006 |
| 105 | 65 | 12.600 | 12.608 | 0.008 |
| 105 | 66 | 12.268 | 12.337 | 0.069 |
| 105 | 67 | 12.610 | 12.540 | -0.070 |
| 105 | 68 | 12.552 | 12.448 | -0.104 |
| 105 | 69 | 12.593 | 12.488 | -0.105 |
| | Max | 12.900 | 12.858 | 0.152 |
| | Average | 12.488 | 12.487 | -0.001 |
| | Min | 12.167 | 12.175 | -0.164 |
| | Std Dev | 0.185 | 0.167 | 0.066 |




| | 4.30_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.304 | 12.266 | 12.459 | 12.453 | 12.280 | 12.358 | 12.175 | 12.330 | 12.361 | 12.233 | 12.337 |
| Average | 12.468 | 12.354 | 12.595 | 12.643 | 12.420 | 12.558 | 12.403 | 12.407 | 12.582 | 12.433 | 12.484 |
| Max | 12.714 | 12.459 | 12.771 | 12.798 | 12.592 | 12.731 | 12.631 | 12.538 | 12.858 | 12.816 | 12.608 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

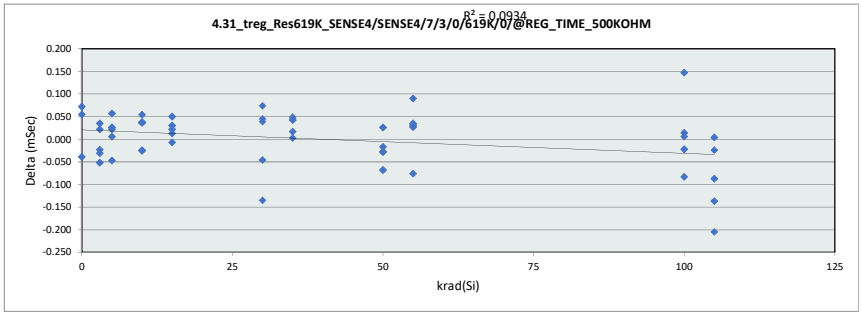


# TID HDR Report
# TPS7H3014-SP

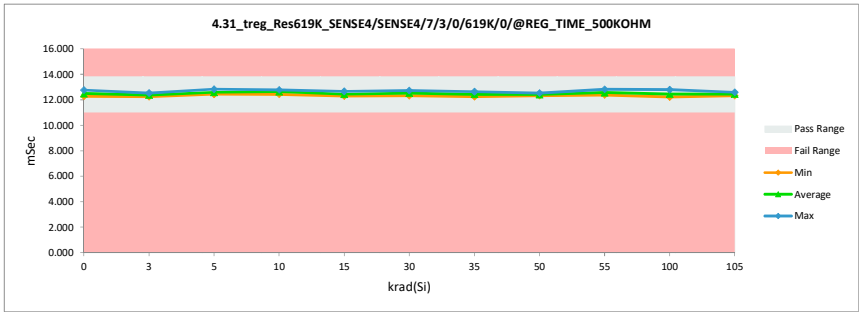
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.31_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.378 | 12.450 | 0.072 |
| 0 | 14 | 12.312 | 12.273 | -0.039 |
| 0 | 15 | 12.706 | 12.761 | 0.055 |
| 3 | 20 | 12.294 | 12.242 | -0.052 |
| 3 | 21 | 12.319 | 12.288 | -0.031 |
| 3 | 22 | 12.552 | 12.529 | -0.023 |
| 3 | 23 | 12.386 | 12.421 | 0.035 |
| 3 | 24 | 12.339 | 12.361 | 0.022 |
| 5 | 25 | 12.811 | 12.833 | 0.022 |
| 5 | 26 | 12.683 | 12.636 | -0.047 |
| 5 | 27 | 12.426 | 12.432 | 0.006 |
| 5 | 28 | 12.387 | 12.444 | 0.057 |
| 5 | 29 | 12.563 | 12.589 | 0.026 |
| 10 | 30 | 12.653 | 12.628 | -0.025 |
| 10 | 31 | 12.805 | 12.780 | -0.025 |
| 10 | 32 | 12.685 | 12.723 | 0.038 |
| 10 | 33 | 12.376 | 12.430 | 0.054 |
| 10 | 34 | 12.633 | 12.669 | 0.036 |
| 15 | 35 | 12.358 | 12.351 | -0.007 |
| 15 | 36 | 12.420 | 12.433 | 0.013 |
| 15 | 37 | 12.421 | 12.471 | 0.050 |
| 15 | 38 | 12.642 | 12.664 | 0.022 |
| 15 | 39 | 12.270 | 12.300 | 0.030 |
| 30 | 40 | 12.273 | 12.318 | 0.045 |
| 30 | 41 | 12.414 | 12.368 | -0.046 |
| 30 | 42 | 12.841 | 12.706 | -0.135 |
| 30 | 43 | 12.507 | 12.546 | 0.039 |
| 30 | 44 | 12.653 | 12.727 | 0.074 |
| 35 | 45 | 12.630 | 12.633 | 0.003 |
| 35 | 46 | 12.401 | 12.443 | 0.042 |
| 35 | 47 | 12.517 | 12.534 | 0.017 |
| 35 | 48 | 12.222 | 12.266 | 0.044 |
| 35 | 49 | 12.199 | 12.248 | 0.049 |
| 50 | 50 | 12.351 | 12.323 | -0.028 |
| 50 | 51 | 12.505 | 12.477 | -0.028 |
| 50 | 52 | 12.596 | 12.528 | -0.068 |
| 50 | 53 | 12.332 | 12.315 | -0.017 |
| 50 | 54 | 12.365 | 12.391 | 0.026 |
| 55 | 55 | 12.374 | 12.405 | 0.031 |
| 55 | 56 | 12.606 | 12.633 | 0.027 |
| 55 | 57 | 12.781 | 12.816 | 0.035 |
| 55 | 58 | 12.528 | 12.618 | 0.090 |
| 55 | 59 | 12.445 | 12.369 | -0.076 |
| 100 | 60 | 12.361 | 12.375 | 0.014 |
| 100 | 61 | 12.237 | 12.215 | -0.022 |
| 100 | 62 | 12.875 | 12.792 | -0.083 |
| 100 | 63 | 12.416 | 12.563 | 0.147 |
| 100 | 64 | 12.276 | 12.282 | 0.006 |
| 105 | 65 | 12.578 | 12.582 | 0.004 |
| 105 | 66 | 12.346 | 12.322 | -0.024 |
| 105 | 67 | 12.598 | 12.511 | -0.087 |
| 105 | 68 | 12.627 | 12.422 | -0.205 |
| 105 | 69 | 12.575 | 12.438 | -0.137 |
| | Max | 12.875 | 12.833 | 0.147 |
| | Average | 12.488 | 12.488 | 0.000 |
| | Min | 12.199 | 12.215 | -0.205 |
| | Std Dev | 0.174 | 0.168 | 0.061 |




| | 4.31_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.273 | 12.242 | 12.432 | 12.430 | 12.300 | 12.318 | 12.248 | 12.315 | 12.369 | 12.215 | 12.322 |
| Average | 12.495 | 12.368 | 12.587 | 12.646 | 12.444 | 12.533 | 12.425 | 12.407 | 12.568 | 12.445 | 12.455 |
| Max | 12.761 | 12.529 | 12.833 | 12.780 | 12.664 | 12.727 | 12.633 | 12.528 | 12.816 | 12.792 | 12.582 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

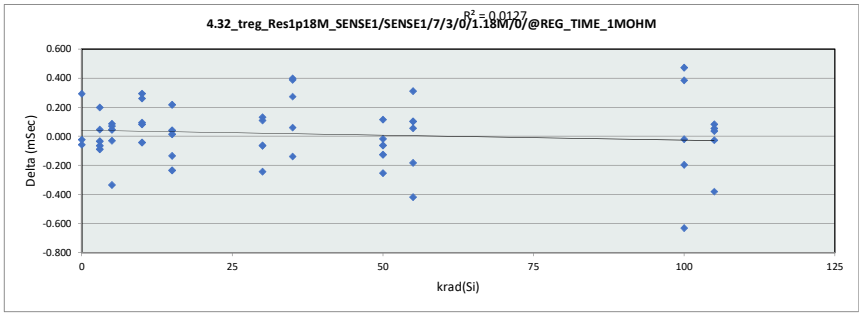


# TID HDR Report
# TPS7H3014-SP

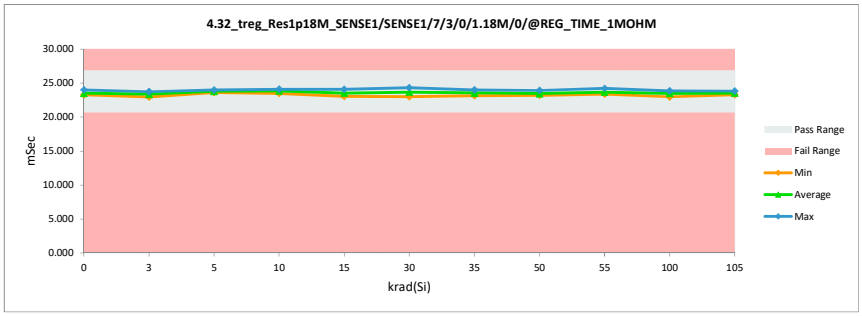
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.32_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.325 | 23.267 | -0.058 |
| 0 | 14 | 22.970 | 23.262 | 0.292 |
| 0 | 15 | 24.029 | 24.006 | -0.023 |
| 3 | 20 | 23.063 | 22.974 | -0.089 |
| 3 | 21 | 23.329 | 23.264 | -0.065 |
| 3 | 22 | 23.763 | 23.729 | -0.034 |
| 3 | 23 | 23.352 | 23.398 | 0.046 |
| 3 | 24 | 23.286 | 23.484 | 0.198 |
| 5 | 25 | 23.849 | 23.919 | 0.070 |
| 5 | 26 | 24.102 | 23.767 | -0.335 |
| 5 | 27 | 23.655 | 23.625 | -0.030 |
| 5 | 28 | 23.573 | 23.659 | 0.086 |
| 5 | 29 | 23.938 | 23.983 | 0.045 |
| 10 | 30 | 23.792 | 23.886 | 0.094 |
| 10 | 31 | 23.925 | 23.882 | -0.043 |
| 10 | 32 | 23.841 | 23.924 | 0.083 |
| 10 | 33 | 23.205 | 23.498 | 0.293 |
| 10 | 34 | 23.838 | 24.098 | 0.260 |
| 15 | 35 | 23.289 | 23.055 | -0.234 |
| 15 | 36 | 23.642 | 23.656 | 0.014 |
| 15 | 37 | 23.742 | 23.783 | 0.041 |
| 15 | 38 | 23.851 | 24.068 | 0.217 |
| 15 | 39 | 23.299 | 23.164 | -0.135 |
| 30 | 40 | 22.875 | 23.006 | 0.131 |
| 30 | 41 | 23.552 | 23.309 | -0.243 |
| 30 | 42 | 24.396 | 24.330 | -0.066 |
| 30 | 43 | 23.629 | 23.738 | 0.109 |
| 30 | 44 | 23.954 | 23.891 | -0.063 |
| 35 | 45 | 23.613 | 24.012 | 0.399 |
| 35 | 46 | 23.693 | 23.753 | 0.060 |
| 35 | 47 | 23.623 | 23.484 | -0.139 |
| 35 | 48 | 23.026 | 23.415 | 0.389 |
| 35 | 49 | 22.882 | 23.155 | 0.273 |
| 50 | 50 | 23.341 | 23.456 | 0.115 |
| 50 | 51 | 23.535 | 23.472 | -0.063 |
| 50 | 52 | 24.053 | 23.927 | -0.126 |
| 50 | 53 | 23.250 | 23.232 | -0.018 |
| 50 | 54 | 23.450 | 23.197 | -0.253 |
| 55 | 55 | 23.267 | 23.369 | 0.102 |
| 55 | 56 | 23.682 | 23.737 | 0.055 |
| 55 | 57 | 23.914 | 24.225 | 0.311 |
| 55 | 58 | 23.814 | 23.631 | -0.183 |
| 55 | 59 | 23.813 | 23.395 | -0.418 |
| 100 | 60 | 23.384 | 23.364 | -0.020 |
| 100 | 61 | 23.177 | 22.981 | -0.196 |
| 100 | 62 | 24.476 | 23.845 | -0.631 |
| 100 | 63 | 23.354 | 23.826 | 0.472 |
| 100 | 64 | 23.056 | 23.441 | 0.385 |
| 105 | 65 | 23.639 | 23.675 | 0.036 |
| 105 | 66 | 23.357 | 23.330 | -0.027 |
| 105 | 67 | 23.744 | 23.827 | 0.083 |
| 105 | 68 | 23.684 | 23.303 | -0.381 |
| 105 | 69 | 23.550 | 23.604 | 0.054 |
| | Max | 24.476 | 24.330 | 0.472 |
| | Average | 23.574 | 23.590 | 0.016 |
| | Min | 22.875 | 22.974 | -0.631 |
| | Std Dev | 0.356 | 0.333 | 0.216 |




| | 4.32_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.262 | 22.974 | 23.625 | 23.498 | 23.055 | 23.006 | 23.155 | 23.197 | 23.369 | 22.981 | 23.303 |
| Average | 23.512 | 23.370 | 23.791 | 23.858 | 23.545 | 23.655 | 23.564 | 23.457 | 23.671 | 23.491 | 23.548 |
| Max | 24.006 | 23.729 | 23.983 | 24.098 | 24.068 | 24.330 | 24.012 | 23.927 | 24.225 | 23.845 | 23.827 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

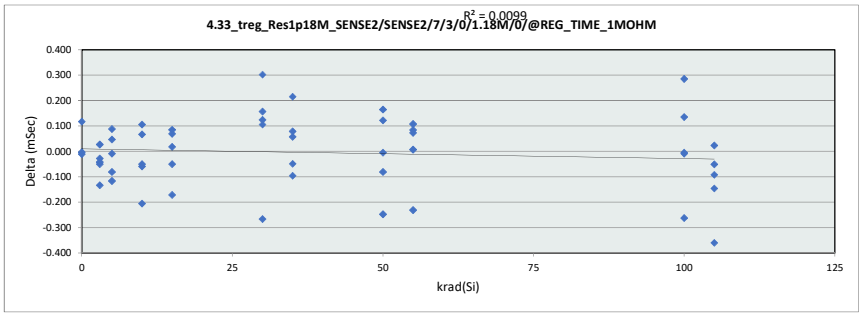


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

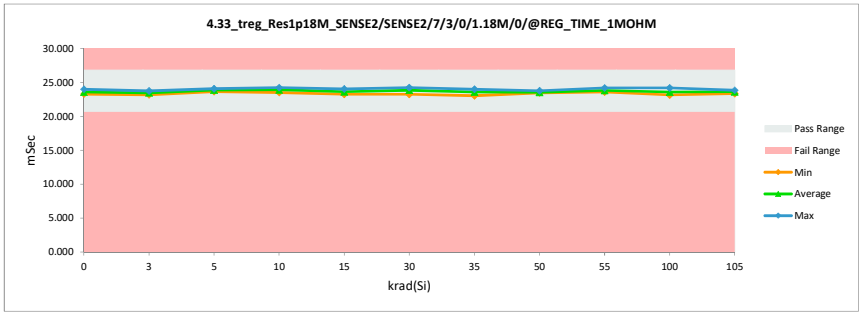
| | 4.33_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.507 | 23.504 | -0.003 |
| 0 | 14 | 23.168 | 23.285 | 0.117 |
| 0 | 15 | 24.018 | 24.007 | -0.011 |
| 3 | 20 | 23.253 | 23.203 | -0.050 |
| 3 | 21 | 23.527 | 23.485 | -0.042 |
| 3 | 22 | 23.775 | 23.747 | -0.028 |
| 3 | 23 | 23.590 | 23.617 | 0.027 |
| 3 | 24 | 23.487 | 23.354 | -0.133 |
| 5 | 25 | 24.193 | 24.077 | -0.116 |
| 5 | 26 | 24.080 | 23.999 | -0.081 |
| 5 | 27 | 23.658 | 23.649 | -0.009 |
| 5 | 28 | 23.579 | 23.667 | 0.088 |
| 5 | 29 | 23.927 | 23.974 | 0.047 |
| 10 | 30 | 23.793 | 23.743 | -0.050 |
| 10 | 31 | 24.257 | 24.052 | -0.205 |
| 10 | 32 | 24.189 | 24.256 | 0.067 |
| 10 | 33 | 23.411 | 23.517 | 0.106 |
| 10 | 34 | 24.194 | 24.135 | -0.059 |
| 15 | 35 | 23.330 | 23.280 | -0.050 |
| 15 | 36 | 23.650 | 23.668 | 0.018 |
| 15 | 37 | 23.726 | 23.811 | 0.085 |
| 15 | 38 | 24.221 | 24.050 | -0.171 |
| 15 | 39 | 23.347 | 23.416 | 0.069 |
| 30 | 40 | 23.117 | 23.274 | 0.157 |
| 30 | 41 | 23.417 | 23.523 | 0.106 |
| 30 | 42 | 24.513 | 24.247 | -0.266 |
| 30 | 43 | 23.824 | 23.948 | 0.124 |
| 30 | 44 | 23.936 | 24.238 | 0.302 |
| 35 | 45 | 23.927 | 24.006 | 0.079 |
| 35 | 46 | 23.706 | 23.763 | 0.057 |
| 35 | 47 | 23.769 | 23.673 | -0.096 |
| 35 | 48 | 23.252 | 23.467 | 0.215 |
| 35 | 49 | 23.101 | 23.052 | -0.049 |
| 50 | 50 | 23.374 | 23.496 | 0.122 |
| 50 | 51 | 23.742 | 23.661 | -0.081 |
| 50 | 52 | 24.034 | 23.787 | -0.247 |
| 50 | 53 | 23.459 | 23.454 | -0.005 |
| 50 | 54 | 23.301 | 23.466 | 0.165 |
| 55 | 55 | 23.498 | 23.582 | 0.084 |
| 55 | 56 | 23.865 | 23.938 | 0.073 |
| 55 | 57 | 24.089 | 24.197 | 0.108 |
| 55 | 58 | 23.833 | 23.840 | 0.007 |
| 55 | 59 | 23.827 | 23.596 | -0.231 |
| 100 | 60 | 23.435 | 23.430 | -0.005 |
| 100 | 61 | 23.045 | 23.180 | 0.135 |
| 100 | 62 | 24.461 | 24.199 | -0.262 |
| 100 | 63 | 23.558 | 23.843 | 0.285 |
| 100 | 64 | 23.297 | 23.288 | -0.009 |
| 105 | 65 | 23.839 | 23.862 | 0.023 |
| 105 | 66 | 23.412 | 23.361 | -0.051 |
| 105 | 67 | 23.947 | 23.855 | -0.092 |
| 105 | 68 | 23.879 | 23.519 | -0.360 |
| 105 | 69 | 23.774 | 23.628 | -0.146 |
| | Max | 24.513 | 24.256 | 0.302 |
| | Average | 23.700 | 23.696 | -0.005 |
| | Min | 23.045 | 23.052 | -0.360 |
| | Std Dev | 0.354 | 0.311 | 0.137 |




| | 4.33_treg_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.285 | 23.203 | 23.649 | 23.517 | 23.280 | 23.274 | 23.052 | 23.454 | 23.582 | 23.180 | 23.361 |
| Average | 23.599 | 23.481 | 23.873 | 23.941 | 23.645 | 23.846 | 23.592 | 23.573 | 23.831 | 23.588 | 23.645 |
| Max | 24.007 | 23.747 | 24.077 | 24.256 | 24.050 | 24.247 | 24.006 | 23.787 | 24.197 | 24.199 | 23.862 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

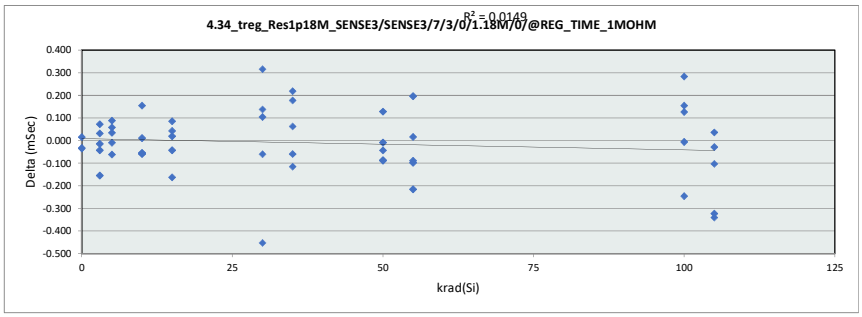


# TID HDR Report
# TPS7H3014-SP

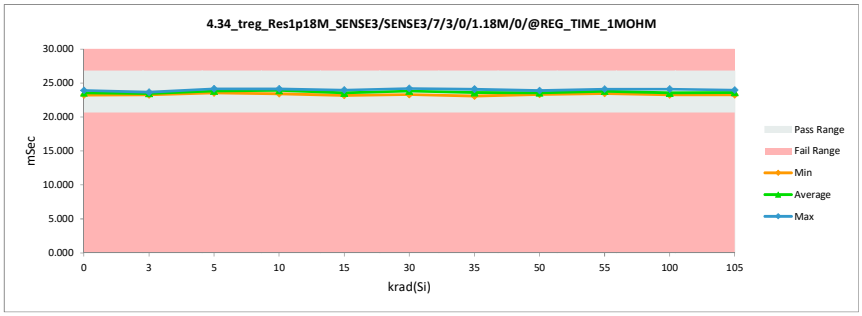
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.34_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.603 | 23.570 | -0.033 |
| 0 | 14 | 23.279 | 23.243 | -0.036 |
| 0 | 15 | 23.910 | 23.925 | 0.015 |
| 3 | 20 | 23.181 | 23.253 | 0.072 |
| 3 | 21 | 23.611 | 23.568 | -0.043 |
| 3 | 22 | 23.666 | 23.651 | -0.015 |
| 3 | 23 | 23.491 | 23.522 | 0.031 |
| 3 | 24 | 23.578 | 23.423 | -0.155 |
| 5 | 25 | 24.114 | 24.172 | 0.058 |
| 5 | 26 | 23.983 | 23.921 | -0.062 |
| 5 | 27 | 23.559 | 23.549 | -0.010 |
| 5 | 28 | 23.482 | 23.570 | 0.088 |
| 5 | 29 | 23.842 | 23.876 | 0.034 |
| 10 | 30 | 23.684 | 23.838 | 0.154 |
| 10 | 31 | 24.197 | 24.137 | -0.060 |
| 10 | 32 | 24.122 | 24.133 | 0.011 |
| 10 | 33 | 23.491 | 23.434 | -0.057 |
| 10 | 34 | 24.115 | 24.060 | -0.055 |
| 15 | 35 | 23.229 | 23.186 | -0.043 |
| 15 | 36 | 23.551 | 23.570 | 0.019 |
| 15 | 37 | 23.652 | 23.694 | 0.042 |
| 15 | 38 | 24.142 | 23.979 | -0.163 |
| 15 | 39 | 23.230 | 23.315 | 0.085 |
| 30 | 40 | 23.185 | 23.322 | 0.137 |
| 30 | 41 | 23.504 | 23.608 | 0.104 |
| 30 | 42 | 24.663 | 24.210 | -0.453 |
| 30 | 43 | 23.925 | 23.864 | -0.061 |
| 30 | 44 | 23.853 | 24.168 | 0.315 |
| 35 | 45 | 23.907 | 24.084 | 0.177 |
| 35 | 46 | 23.617 | 23.679 | 0.062 |
| 35 | 47 | 23.882 | 23.766 | -0.116 |
| 35 | 48 | 23.141 | 23.359 | 0.218 |
| 35 | 49 | 23.168 | 23.108 | -0.060 |
| 50 | 50 | 23.283 | 23.411 | 0.128 |
| 50 | 51 | 23.841 | 23.754 | -0.087 |
| 50 | 52 | 23.976 | 23.887 | -0.089 |
| 50 | 53 | 23.545 | 23.536 | -0.009 |
| 50 | 54 | 23.378 | 23.334 | -0.044 |
| 55 | 55 | 23.582 | 23.484 | -0.098 |
| 55 | 56 | 23.967 | 23.983 | 0.016 |
| 55 | 57 | 24.206 | 24.117 | -0.089 |
| 55 | 58 | 23.742 | 23.938 | 0.196 |
| 55 | 59 | 23.734 | 23.518 | -0.216 |
| 100 | 60 | 23.327 | 23.321 | -0.006 |
| 100 | 61 | 23.137 | 23.263 | 0.126 |
| 100 | 62 | 24.365 | 24.119 | -0.246 |
| 100 | 63 | 23.472 | 23.755 | 0.283 |
| 100 | 64 | 23.187 | 23.341 | 0.154 |
| 105 | 65 | 23.939 | 23.975 | 0.036 |
| 105 | 66 | 23.301 | 23.272 | -0.029 |
| 105 | 67 | 23.867 | 23.764 | -0.103 |
| 105 | 68 | 23.970 | 23.629 | -0.341 |
| 105 | 69 | 23.854 | 23.531 | -0.323 |
| | Max | 24.663 | 24.210 | 0.315 |
| | Average | 23.684 | 23.673 | -0.010 |
| | Min | 23.137 | 23.108 | -0.453 |
| | Std Dev | 0.353 | 0.307 | 0.146 |




| | 4.34_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.243 | 23.253 | 23.549 | 23.434 | 23.186 | 23.322 | 23.108 | 23.334 | 23.484 | 23.263 | 23.272 |
| Average | 23.579 | 23.483 | 23.818 | 23.920 | 23.549 | 23.834 | 23.599 | 23.584 | 23.808 | 23.560 | 23.634 |
| Max | 23.925 | 23.651 | 24.172 | 24.137 | 23.979 | 24.210 | 24.084 | 23.887 | 24.117 | 24.119 | 23.975 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

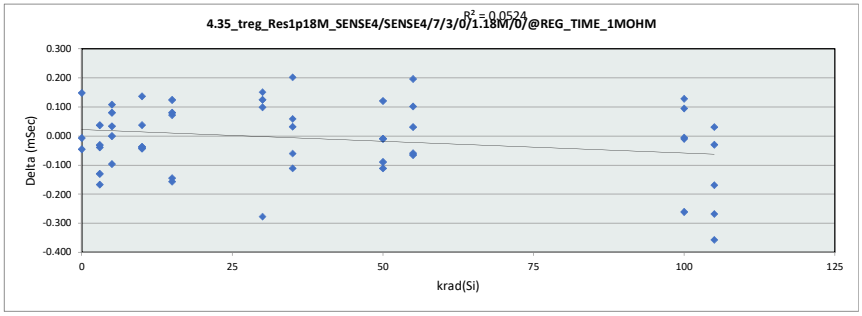


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

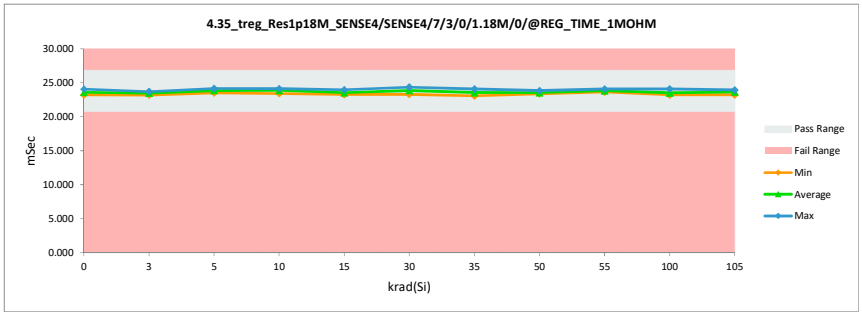
| | 4.35_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.579 | 23.534 | -0.045 |
| 0 | 14 | 23.250 | 23.243 | -0.007 |
| 0 | 15 | 23.911 | 24.059 | 0.148 |
| 3 | 20 | 23.333 | 23.203 | -0.130 |
| 3 | 21 | 23.587 | 23.548 | -0.039 |
| 3 | 22 | 23.656 | 23.625 | -0.031 |
| 3 | 23 | 23.653 | 23.690 | 0.037 |
| 3 | 24 | 23.553 | 23.386 | -0.167 |
| 5 | 25 | 24.086 | 24.166 | 0.080 |
| 5 | 26 | 23.974 | 24.082 | 0.108 |
| 5 | 27 | 23.535 | 23.535 | 0.000 |
| 5 | 28 | 23.642 | 23.546 | -0.096 |
| 5 | 29 | 24.006 | 24.040 | 0.034 |
| 10 | 30 | 23.673 | 23.810 | 0.137 |
| 10 | 31 | 24.168 | 24.130 | -0.038 |
| 10 | 32 | 24.094 | 24.132 | 0.038 |
| 10 | 33 | 23.450 | 23.413 | -0.037 |
| 10 | 34 | 24.080 | 24.037 | -0.043 |
| 15 | 35 | 23.204 | 23.328 | 0.124 |
| 15 | 36 | 23.688 | 23.543 | -0.145 |
| 15 | 37 | 23.597 | 23.669 | 0.072 |
| 15 | 38 | 24.115 | 23.958 | -0.157 |
| 15 | 39 | 23.210 | 23.290 | 0.080 |
| 30 | 40 | 23.159 | 23.310 | 0.151 |
| 30 | 41 | 23.481 | 23.580 | 0.099 |
| 30 | 42 | 24.630 | 24.353 | -0.277 |
| 30 | 43 | 23.897 | 24.022 | 0.125 |
| 30 | 44 | 24.017 | 24.142 | 0.125 |
| 35 | 45 | 23.883 | 24.085 | 0.202 |
| 35 | 46 | 23.592 | 23.651 | 0.059 |
| 35 | 47 | 23.853 | 23.742 | -0.111 |
| 35 | 48 | 23.298 | 23.330 | 0.032 |
| 35 | 49 | 23.134 | 23.074 | -0.060 |
| 50 | 50 | 23.258 | 23.379 | 0.121 |
| 50 | 51 | 23.816 | 23.727 | -0.089 |
| 50 | 52 | 23.954 | 23.843 | -0.111 |
| 50 | 53 | 23.508 | 23.498 | -0.010 |
| 50 | 54 | 23.353 | 23.344 | -0.009 |
| 55 | 55 | 23.545 | 23.647 | 0.102 |
| 55 | 56 | 23.937 | 23.968 | 0.031 |
| 55 | 57 | 24.158 | 24.093 | -0.065 |
| 55 | 58 | 23.716 | 23.912 | 0.196 |
| 55 | 59 | 23.723 | 23.664 | -0.059 |
| 100 | 60 | 23.303 | 23.293 | -0.010 |
| 100 | 61 | 23.110 | 23.238 | 0.128 |
| 100 | 62 | 24.356 | 24.095 | -0.261 |
| 100 | 63 | 23.626 | 23.721 | 0.095 |
| 100 | 64 | 23.341 | 23.336 | -0.005 |
| 105 | 65 | 23.912 | 23.943 | 0.031 |
| 105 | 66 | 23.266 | 23.236 | -0.030 |
| 105 | 67 | 24.004 | 23.736 | -0.268 |
| 105 | 68 | 23.957 | 23.600 | -0.357 |
| 105 | 69 | 23.846 | 23.677 | -0.169 |
| | Max | 24.630 | 24.353 | 0.202 |
| | Average | 23.692 | 23.683 | -0.009 |
| | Min | 23.110 | 23.074 | -0.357 |
| | Std Dev | 0.343 | 0.320 | 0.125 |




| | 4.35_treg_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.243 | 23.203 | 23.535 | 23.413 | 23.290 | 23.310 | 23.074 | 23.344 | 23.647 | 23.238 | 23.236 |
| Average | 23.612 | 23.490 | 23.874 | 23.904 | 23.558 | 23.881 | 23.576 | 23.558 | 23.857 | 23.537 | 23.638 |
| Max | 24.059 | 23.690 | 24.166 | 24.132 | 23.958 | 24.353 | 24.085 | 23.843 | 24.093 | 24.095 | 23.943 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

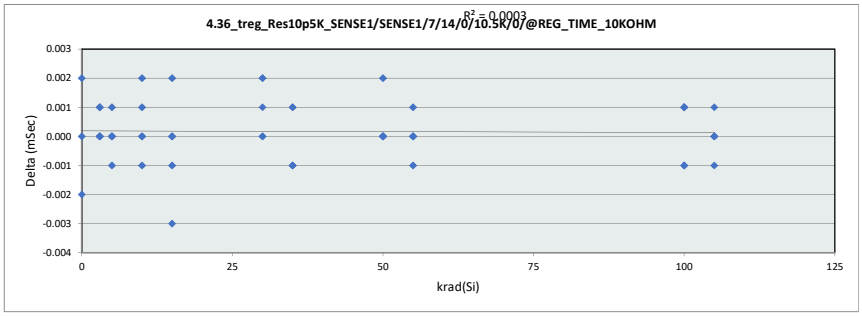


# TID HDR Report
# TPS7H3014-SP

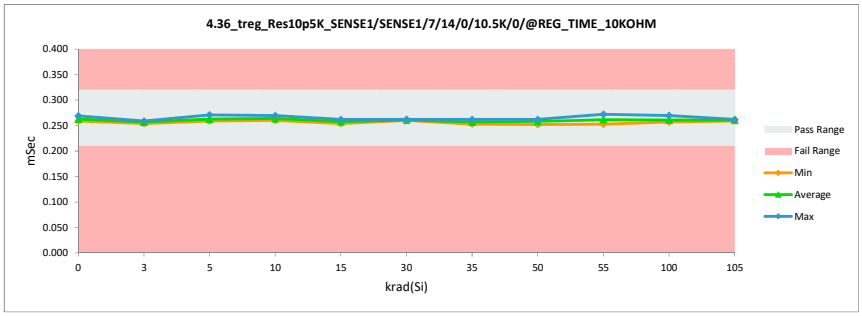
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.36_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.259 | 0.259 | 0.000 |
| 0 | 14 | 0.258 | 0.260 | 0.002 |
| 0 | 15 | 0.271 | 0.269 | -0.002 |
| 3 | 20 | 0.258 | 0.259 | 0.001 |
| 3 | 21 | 0.254 | 0.254 | 0.000 |
| 3 | 22 | 0.259 | 0.259 | 0.000 |
| 3 | 23 | 0.254 | 0.254 | 0.000 |
| 3 | 24 | 0.258 | 0.259 | 0.001 |
| 5 | 25 | 0.271 | 0.271 | 0.000 |
| 5 | 26 | 0.262 | 0.262 | 0.000 |
| 5 | 27 | 0.260 | 0.259 | -0.001 |
| 5 | 28 | 0.259 | 0.260 | 0.001 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.270 | 0.270 | 0.000 |
| 10 | 31 | 0.269 | 0.268 | -0.001 |
| 10 | 32 | 0.259 | 0.261 | 0.002 |
| 10 | 33 | 0.260 | 0.260 | 0.000 |
| 10 | 34 | 0.260 | 0.261 | 0.001 |
| 15 | 35 | 0.260 | 0.257 | -0.003 |
| 15 | 36 | 0.258 | 0.258 | 0.000 |
| 15 | 37 | 0.254 | 0.254 | 0.000 |
| 15 | 38 | 0.260 | 0.262 | 0.002 |
| 15 | 39 | 0.259 | 0.258 | -0.001 |
| 30 | 40 | 0.259 | 0.261 | 0.002 |
| 30 | 41 | 0.260 | 0.260 | 0.000 |
| 30 | 42 | 0.260 | 0.260 | 0.000 |
| 30 | 43 | 0.259 | 0.260 | 0.001 |
| 30 | 44 | 0.260 | 0.262 | 0.002 |
| 35 | 45 | 0.263 | 0.262 | -0.001 |
| 35 | 46 | 0.252 | 0.253 | 0.001 |
| 35 | 47 | 0.260 | 0.261 | 0.001 |
| 35 | 48 | 0.254 | 0.253 | -0.001 |
| 35 | 49 | 0.258 | 0.257 | -0.001 |
| 50 | 50 | 0.258 | 0.258 | 0.000 |
| 50 | 51 | 0.260 | 0.262 | 0.002 |
| 50 | 52 | 0.260 | 0.260 | 0.000 |
| 50 | 53 | 0.252 | 0.252 | 0.000 |
| 50 | 54 | 0.259 | 0.259 | 0.000 |
| 55 | 55 | 0.260 | 0.259 | -0.001 |
| 55 | 56 | 0.261 | 0.261 | 0.000 |
| 55 | 57 | 0.272 | 0.272 | 0.000 |
| 55 | 58 | 0.263 | 0.264 | 0.001 |
| 55 | 59 | 0.253 | 0.253 | 0.000 |
| 100 | 60 | 0.259 | 0.260 | 0.001 |
| 100 | 61 | 0.258 | 0.259 | 0.001 |
| 100 | 62 | 0.269 | 0.270 | 0.001 |
| 100 | 63 | 0.261 | 0.260 | -0.001 |
| 100 | 64 | 0.258 | 0.257 | -0.001 |
| 105 | 65 | 0.260 | 0.260 | 0.000 |
| 105 | 66 | 0.259 | 0.259 | 0.000 |
| 105 | 67 | 0.261 | 0.262 | 0.001 |
| 105 | 68 | 0.261 | 0.261 | 0.000 |
| 105 | 69 | 0.263 | 0.262 | -0.001 |
| | Max | 0.272 | 0.272 | 0.002 |
| | Average | 0.260 | 0.260 | 0.000 |
| | Min | 0.252 | 0.252 | -0.003 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 4.36_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.259 | 0.254 | 0.259 | 0.260 | 0.254 | 0.260 | 0.253 | 0.252 | 0.253 | 0.257 | 0.259 |
| Average | 0.263 | 0.257 | 0.263 | 0.264 | 0.258 | 0.261 | 0.257 | 0.258 | 0.262 | 0.261 | 0.261 |
| Max | 0.269 | 0.259 | 0.271 | 0.270 | 0.262 | 0.262 | 0.262 | 0.262 | 0.272 | 0.270 | 0.262 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

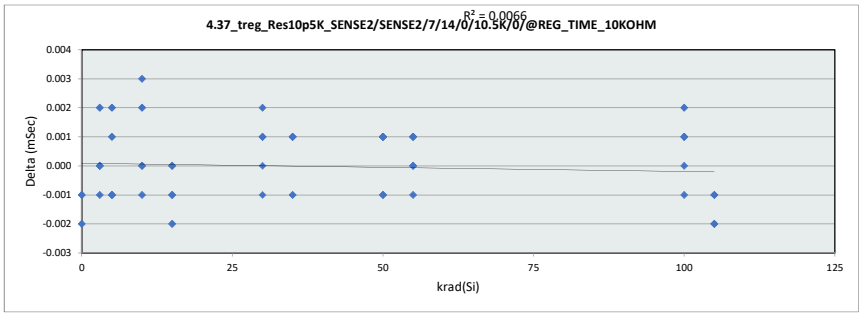


# TID HDR Report
# TPS7H3014-SP

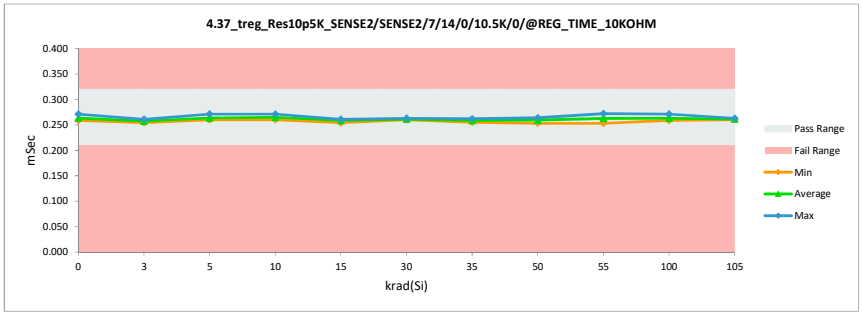
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.37_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.260 | -0.001 |
| 0 | 14 | 0.261 | 0.259 | -0.002 |
| 0 | 15 | 0.272 | 0.271 | -0.001 |
| 3 | 20 | 0.258 | 0.260 | 0.002 |
| 3 | 21 | 0.255 | 0.254 | -0.001 |
| 3 | 22 | 0.261 | 0.261 | 0.000 |
| 3 | 23 | 0.254 | 0.254 | 0.000 |
| 3 | 24 | 0.258 | 0.258 | 0.000 |
| 5 | 25 | 0.270 | 0.271 | 0.001 |
| 5 | 26 | 0.265 | 0.264 | -0.001 |
| 5 | 27 | 0.259 | 0.261 | 0.002 |
| 5 | 28 | 0.261 | 0.260 | -0.001 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.271 | 0.270 | -0.001 |
| 10 | 31 | 0.268 | 0.271 | 0.003 |
| 10 | 32 | 0.260 | 0.262 | 0.002 |
| 10 | 33 | 0.262 | 0.262 | 0.000 |
| 10 | 34 | 0.260 | 0.260 | 0.000 |
| 15 | 35 | 0.259 | 0.259 | 0.000 |
| 15 | 36 | 0.260 | 0.259 | -0.001 |
| 15 | 37 | 0.256 | 0.254 | -0.002 |
| 15 | 38 | 0.261 | 0.261 | 0.000 |
| 15 | 39 | 0.261 | 0.260 | -0.001 |
| 30 | 40 | 0.260 | 0.262 | 0.002 |
| 30 | 41 | 0.262 | 0.263 | 0.001 |
| 30 | 42 | 0.260 | 0.260 | 0.000 |
| 30 | 43 | 0.260 | 0.261 | 0.001 |
| 30 | 44 | 0.263 | 0.262 | -0.001 |
| 35 | 45 | 0.263 | 0.262 | -0.001 |
| 35 | 46 | 0.254 | 0.255 | 0.001 |
| 35 | 47 | 0.261 | 0.262 | 0.001 |
| 35 | 48 | 0.255 | 0.256 | 0.001 |
| 35 | 49 | 0.259 | 0.258 | -0.001 |
| 50 | 50 | 0.259 | 0.260 | 0.001 |
| 50 | 51 | 0.263 | 0.264 | 0.001 |
| 50 | 52 | 0.260 | 0.261 | 0.001 |
| 50 | 53 | 0.254 | 0.253 | -0.001 |
| 50 | 54 | 0.260 | 0.259 | -0.001 |
| 55 | 55 | 0.261 | 0.262 | 0.001 |
| 55 | 56 | 0.261 | 0.262 | 0.001 |
| 55 | 57 | 0.272 | 0.272 | 0.000 |
| 55 | 58 | 0.265 | 0.264 | -0.001 |
| 55 | 59 | 0.253 | 0.253 | 0.000 |
| 100 | 60 | 0.260 | 0.262 | 0.002 |
| 100 | 61 | 0.259 | 0.259 | 0.000 |
| 100 | 62 | 0.272 | 0.271 | -0.001 |
| 100 | 63 | 0.261 | 0.262 | 0.001 |
| 100 | 64 | 0.259 | 0.260 | 0.001 |
| 105 | 65 | 0.262 | 0.260 | -0.002 |
| 105 | 66 | 0.261 | 0.260 | -0.001 |
| 105 | 67 | 0.264 | 0.262 | -0.002 |
| 105 | 68 | 0.263 | 0.262 | -0.001 |
| 105 | 69 | 0.264 | 0.263 | -0.001 |
| | Max | 0.272 | 0.272 | 0.003 |
| | Average | 0.261 | 0.261 | 0.000 |
| | Min | 0.253 | 0.253 | -0.002 |
| | Std Dev | 0.004 | 0.004 | 0.001 |




| | 4.37_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.259 | 0.254 | 0.260 | 0.260 | 0.254 | 0.260 | 0.255 | 0.253 | 0.253 | 0.259 | 0.260 |
| Average | 0.263 | 0.257 | 0.264 | 0.265 | 0.259 | 0.262 | 0.259 | 0.259 | 0.263 | 0.263 | 0.261 |
| Max | 0.271 | 0.261 | 0.271 | 0.271 | 0.261 | 0.263 | 0.262 | 0.264 | 0.272 | 0.271 | 0.263 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

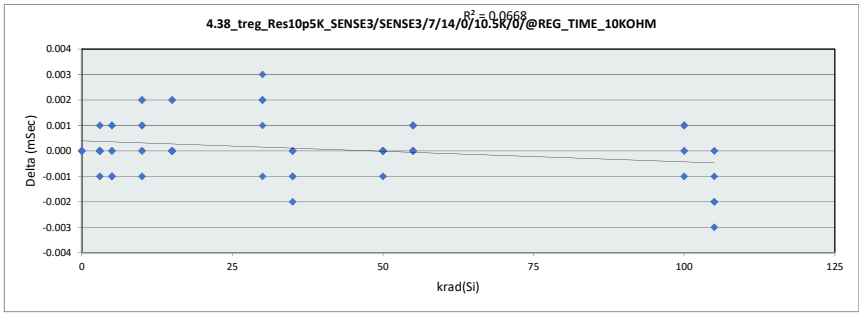


# TID HDR Report
# TPS7H3014-SP

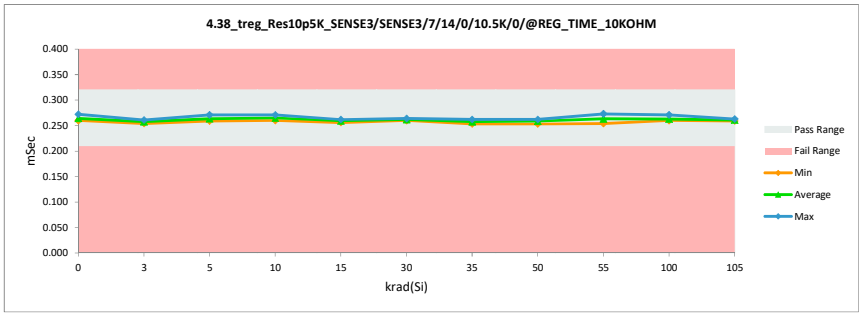
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.38_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.261 | 0.000 |
| 0 | 14 | 0.260 | 0.260 | 0.000 |
| 0 | 15 | 0.272 | 0.272 | 0.000 |
| 3 | 20 | 0.259 | 0.260 | 0.001 |
| 3 | 21 | 0.255 | 0.255 | 0.000 |
| 3 | 22 | 0.261 | 0.261 | 0.000 |
| 3 | 23 | 0.255 | 0.254 | -0.001 |
| 3 | 24 | 0.259 | 0.259 | 0.000 |
| 5 | 25 | 0.271 | 0.271 | 0.000 |
| 5 | 26 | 0.264 | 0.265 | 0.001 |
| 5 | 27 | 0.260 | 0.259 | -0.001 |
| 5 | 28 | 0.260 | 0.261 | 0.001 |
| 5 | 29 | 0.263 | 0.262 | -0.001 |
| 10 | 30 | 0.271 | 0.271 | 0.000 |
| 10 | 31 | 0.269 | 0.270 | 0.001 |
| 10 | 32 | 0.261 | 0.260 | -0.001 |
| 10 | 33 | 0.261 | 0.262 | 0.001 |
| 10 | 34 | 0.260 | 0.262 | 0.002 |
| 15 | 35 | 0.258 | 0.258 | 0.000 |
| 15 | 36 | 0.260 | 0.260 | 0.000 |
| 15 | 37 | 0.254 | 0.256 | 0.002 |
| 15 | 38 | 0.262 | 0.262 | 0.000 |
| 15 | 39 | 0.260 | 0.260 | 0.000 |
| 30 | 40 | 0.260 | 0.262 | 0.002 |
| 30 | 41 | 0.260 | 0.262 | 0.002 |
| 30 | 42 | 0.261 | 0.260 | -0.001 |
| 30 | 43 | 0.260 | 0.261 | 0.001 |
| 30 | 44 | 0.261 | 0.264 | 0.003 |
| 35 | 45 | 0.262 | 0.262 | 0.000 |
| 35 | 46 | 0.254 | 0.253 | -0.001 |
| 35 | 47 | 0.261 | 0.261 | 0.000 |
| 35 | 48 | 0.256 | 0.254 | -0.002 |
| 35 | 49 | 0.259 | 0.258 | -0.001 |
| 50 | 50 | 0.259 | 0.259 | 0.000 |
| 50 | 51 | 0.262 | 0.262 | 0.000 |
| 50 | 52 | 0.260 | 0.260 | 0.000 |
| 50 | 53 | 0.253 | 0.253 | 0.000 |
| 50 | 54 | 0.260 | 0.259 | -0.001 |
| 55 | 55 | 0.260 | 0.261 | 0.001 |
| 55 | 56 | 0.263 | 0.263 | 0.000 |
| 55 | 57 | 0.273 | 0.273 | 0.000 |
| 55 | 58 | 0.265 | 0.266 | 0.001 |
| 55 | 59 | 0.253 | 0.254 | 0.001 |
| 100 | 60 | 0.260 | 0.261 | 0.001 |
| 100 | 61 | 0.259 | 0.260 | 0.001 |
| 100 | 62 | 0.272 | 0.271 | -0.001 |
| 100 | 63 | 0.261 | 0.262 | 0.001 |
| 100 | 64 | 0.260 | 0.260 | 0.000 |
| 105 | 65 | 0.262 | 0.259 | -0.003 |
| 105 | 66 | 0.260 | 0.260 | 0.000 |
| 105 | 67 | 0.263 | 0.262 | -0.001 |
| 105 | 68 | 0.263 | 0.261 | -0.002 |
| 105 | 69 | 0.265 | 0.263 | -0.002 |
| | Max | 0.273 | 0.273 | 0.003 |
| | Average | 0.261 | 0.261 | 0.000 |
| | Min | 0.253 | 0.253 | -0.003 |
| | Std Dev | 0.005 | 0.005 | 0.001 |




| | 4.38_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.260 | 0.254 | 0.259 | 0.260 | 0.256 | 0.260 | 0.253 | 0.253 | 0.254 | 0.260 | 0.259 |
| Average | 0.264 | 0.258 | 0.264 | 0.265 | 0.259 | 0.262 | 0.258 | 0.259 | 0.263 | 0.263 | 0.261 |
| Max | 0.272 | 0.261 | 0.271 | 0.271 | 0.262 | 0.264 | 0.262 | 0.262 | 0.273 | 0.271 | 0.263 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

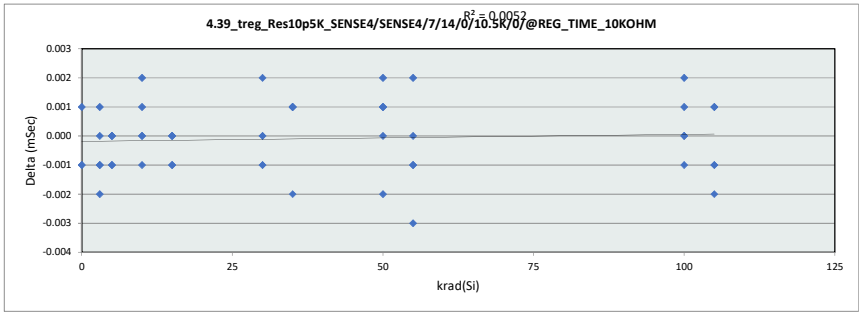


# TID HDR Report
# TPS7H3014-SP

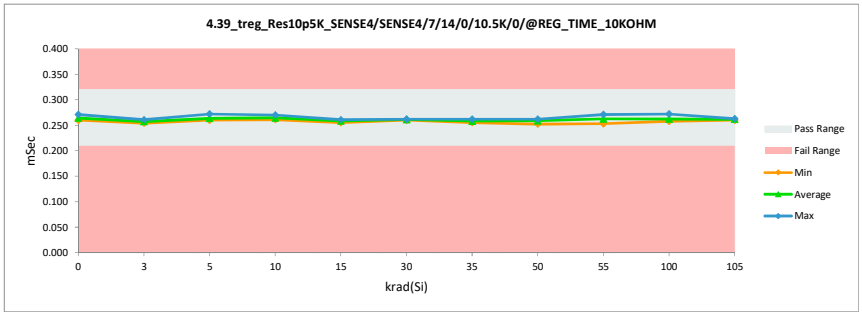
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.39_treg_Res10p5K_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 0.34 | 0.32 |
| Min Limit | 0.197 | 0.21 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.261 | 0.262 | 0.001 |
| 0 | 14 | 0.261 | 0.260 | -0.001 |
| 0 | 15 | 0.272 | 0.271 | -0.001 |
| 3 | 20 | 0.258 | 0.259 | 0.001 |
| 3 | 21 | 0.256 | 0.254 | -0.002 |
| 3 | 22 | 0.262 | 0.261 | -0.001 |
| 3 | 23 | 0.254 | 0.254 | 0.000 |
| 3 | 24 | 0.259 | 0.258 | -0.001 |
| 5 | 25 | 0.272 | 0.272 | 0.000 |
| 5 | 26 | 0.264 | 0.263 | -0.001 |
| 5 | 27 | 0.261 | 0.260 | -0.001 |
| 5 | 28 | 0.260 | 0.260 | 0.000 |
| 5 | 29 | 0.262 | 0.262 | 0.000 |
| 10 | 30 | 0.271 | 0.270 | -0.001 |
| 10 | 31 | 0.269 | 0.270 | 0.001 |
| 10 | 32 | 0.261 | 0.261 | 0.000 |
| 10 | 33 | 0.261 | 0.261 | 0.000 |
| 10 | 34 | 0.259 | 0.261 | 0.002 |
| 15 | 35 | 0.259 | 0.258 | -0.001 |
| 15 | 36 | 0.260 | 0.259 | -0.001 |
| 15 | 37 | 0.255 | 0.255 | 0.000 |
| 15 | 38 | 0.261 | 0.261 | 0.000 |
| 15 | 39 | 0.260 | 0.260 | 0.000 |
| 30 | 40 | 0.260 | 0.262 | 0.002 |
| 30 | 41 | 0.261 | 0.261 | 0.000 |
| 30 | 42 | 0.261 | 0.261 | 0.000 |
| 30 | 43 | 0.261 | 0.260 | -0.001 |
| 30 | 44 | 0.263 | 0.262 | -0.001 |
| 35 | 45 | 0.264 | 0.262 | -0.002 |
| 35 | 46 | 0.254 | 0.255 | 0.001 |
| 35 | 47 | 0.260 | 0.261 | 0.001 |
| 35 | 48 | 0.254 | 0.255 | 0.001 |
| 35 | 49 | 0.257 | 0.258 | 0.001 |
| 50 | 50 | 0.258 | 0.260 | 0.002 |
| 50 | 51 | 0.262 | 0.262 | 0.000 |
| 50 | 52 | 0.260 | 0.261 | 0.001 |
| 50 | 53 | 0.254 | 0.252 | -0.002 |
| 50 | 54 | 0.258 | 0.259 | 0.001 |
| 55 | 55 | 0.260 | 0.262 | 0.002 |
| 55 | 56 | 0.263 | 0.263 | 0.000 |
| 55 | 57 | 0.274 | 0.271 | -0.003 |
| 55 | 58 | 0.265 | 0.264 | -0.001 |
| 55 | 59 | 0.254 | 0.253 | -0.001 |
| 100 | 60 | 0.259 | 0.261 | 0.002 |
| 100 | 61 | 0.260 | 0.259 | -0.001 |
| 100 | 62 | 0.271 | 0.272 | 0.001 |
| 100 | 63 | 0.261 | 0.261 | 0.000 |
| 100 | 64 | 0.258 | 0.258 | 0.000 |
| 105 | 65 | 0.260 | 0.261 | 0.001 |
| 105 | 66 | 0.259 | 0.260 | 0.001 |
| 105 | 67 | 0.263 | 0.262 | -0.001 |
| 105 | 68 | 0.262 | 0.261 | -0.001 |
| 105 | 69 | 0.265 | 0.263 | -0.002 |
| | Max | 0.274 | 0.272 | 0.002 |
| | Average | 0.261 | 0.261 | 0.000 |
| | Min | 0.254 | 0.252 | -0.003 |
| | Std Dev | 0.005 | 0.004 | 0.001 |




| | 4.39_treg_Res10p5K_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.32 | mSec | | | | | | | | | |
| Min Limit | 0.21 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 | 0.210 |
| Min | 0.260 | 0.254 | 0.260 | 0.261 | 0.255 | 0.260 | 0.255 | 0.252 | 0.253 | 0.258 | 0.260 |
| Average | 0.264 | 0.257 | 0.263 | 0.265 | 0.259 | 0.261 | 0.258 | 0.259 | 0.263 | 0.262 | 0.261 |
| Max | 0.271 | 0.261 | 0.272 | 0.270 | 0.261 | 0.262 | 0.262 | 0.262 | 0.271 | 0.272 | 0.263 |
| UL | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 | 0.320 |

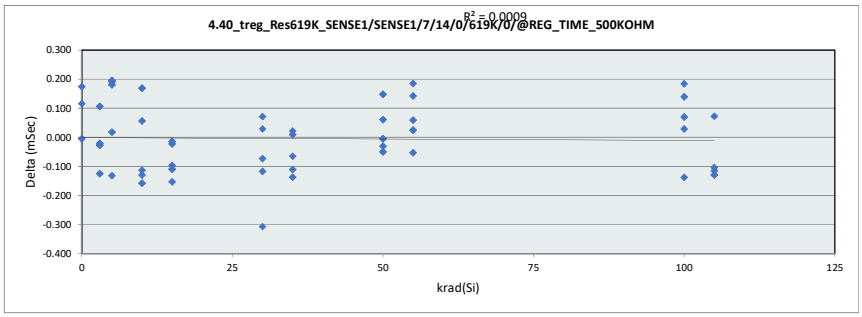


# TID HDR Report
# TPS7H3014-SP

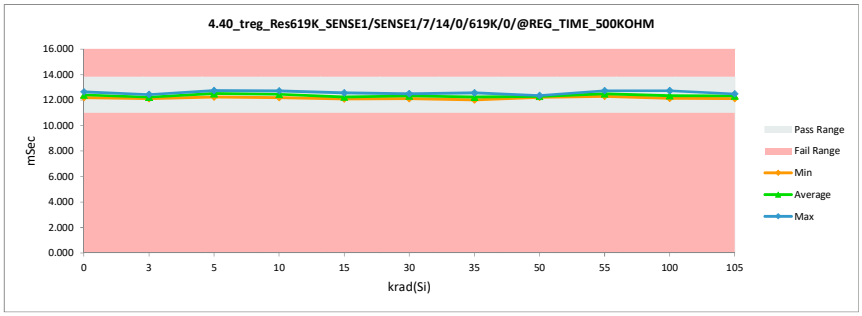
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.40_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.190 | 12.364 | 0.174 |
| 0 | 14 | 12.206 | 12.201 | -0.005 |
| 0 | 15 | 12.530 | 12.646 | 0.116 |
| 3 | 20 | 12.059 | 12.165 | 0.106 |
| 3 | 21 | 12.295 | 12.274 | -0.021 |
| 3 | 22 | 12.453 | 12.430 | -0.023 |
| 3 | 23 | 12.295 | 12.170 | -0.125 |
| 3 | 24 | 12.148 | 12.120 | -0.028 |
| 5 | 25 | 12.552 | 12.747 | 0.195 |
| 5 | 26 | 12.586 | 12.604 | 0.018 |
| 5 | 27 | 12.220 | 12.401 | 0.181 |
| 5 | 28 | 12.385 | 12.253 | -0.132 |
| 5 | 29 | 12.369 | 12.561 | 0.192 |
| 10 | 30 | 12.379 | 12.435 | 0.056 |
| 10 | 31 | 12.551 | 12.720 | 0.169 |
| 10 | 32 | 12.613 | 12.500 | -0.113 |
| 10 | 33 | 12.361 | 12.203 | -0.158 |
| 10 | 34 | 12.558 | 12.428 | -0.130 |
| 15 | 35 | 12.248 | 12.095 | -0.153 |
| 15 | 36 | 12.225 | 12.211 | -0.014 |
| 15 | 37 | 12.350 | 12.240 | -0.110 |
| 15 | 38 | 12.583 | 12.560 | -0.023 |
| 15 | 39 | 12.234 | 12.137 | -0.097 |
| 30 | 40 | 12.049 | 12.120 | 0.071 |
| 30 | 41 | 12.308 | 12.191 | -0.117 |
| 30 | 42 | 12.801 | 12.494 | -0.307 |
| 30 | 43 | 12.323 | 12.352 | 0.029 |
| 30 | 44 | 12.530 | 12.457 | -0.073 |
| 35 | 45 | 12.548 | 12.570 | 0.022 |
| 35 | 46 | 12.316 | 12.205 | -0.111 |
| 35 | 47 | 12.339 | 12.274 | -0.065 |
| 35 | 48 | 12.135 | 12.144 | 0.009 |
| 35 | 49 | 12.159 | 12.022 | -0.137 |
| 50 | 50 | 12.236 | 12.297 | 0.061 |
| 50 | 51 | 12.314 | 12.283 | -0.031 |
| 50 | 52 | 12.407 | 12.357 | -0.050 |
| 50 | 53 | 12.225 | 12.220 | -0.005 |
| 50 | 54 | 12.144 | 12.292 | 0.148 |
| 55 | 55 | 12.334 | 12.359 | 0.025 |
| 55 | 56 | 12.504 | 12.563 | 0.059 |
| 55 | 57 | 12.587 | 12.729 | 0.142 |
| 55 | 58 | 12.334 | 12.519 | 0.185 |
| 55 | 59 | 12.349 | 12.296 | -0.053 |
| 100 | 60 | 12.278 | 12.140 | -0.138 |
| 100 | 61 | 12.011 | 12.150 | 0.139 |
| 100 | 62 | 12.705 | 12.734 | 0.029 |
| 100 | 63 | 12.387 | 12.457 | 0.070 |
| 100 | 64 | 12.064 | 12.248 | 0.184 |
| 105 | 65 | 12.480 | 12.376 | -0.104 |
| 105 | 66 | 12.248 | 12.118 | -0.130 |
| 105 | 67 | 12.413 | 12.485 | 0.072 |
| 105 | 68 | 12.508 | 12.393 | -0.115 |
| 105 | 69 | 12.369 | 12.240 | -0.129 |
| | Max | 12.801 | 12.747 | 0.195 |
| | Average | 12.355 | 12.350 | -0.005 |
| | Min | 12.011 | 12.022 | -0.307 |
| | Std Dev | 0.174 | 0.187 | 0.117 |




| | 4.40_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.201 | 12.120 | 12.253 | 12.203 | 12.095 | 12.120 | 12.022 | 12.220 | 12.296 | 12.140 | 12.118 |
| Average | 12.404 | 12.232 | 12.513 | 12.457 | 12.249 | 12.323 | 12.243 | 12.290 | 12.493 | 12.346 | 12.322 |
| Max | 12.646 | 12.430 | 12.747 | 12.720 | 12.560 | 12.494 | 12.570 | 12.357 | 12.729 | 12.734 | 12.485 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

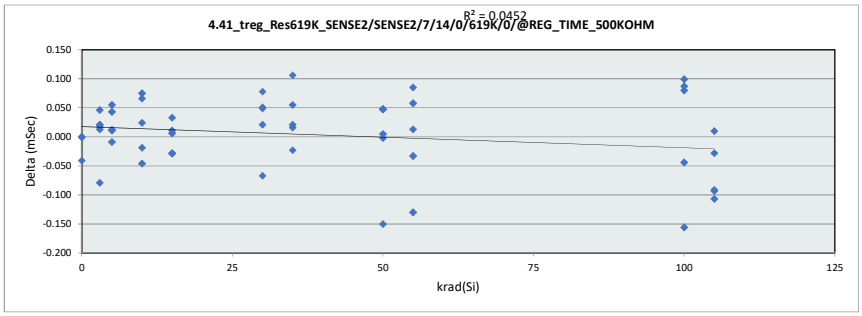


# TID HDR Report
# TPS7H3014-SP

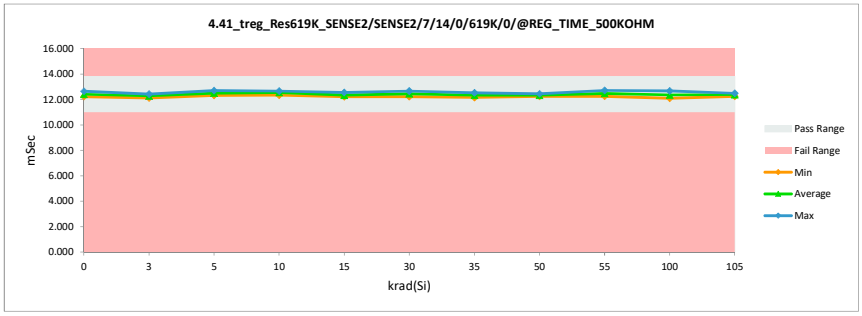
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.41_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.377 | 12.376 | -0.001 |
| 0 | 14 | 12.218 | 12.218 | 0.000 |
| 0 | 15 | 12.679 | 12.638 | -0.041 |
| 3 | 20 | 12.193 | 12.114 | -0.079 |
| 3 | 21 | 12.234 | 12.280 | 0.046 |
| 3 | 22 | 12.397 | 12.415 | 0.018 |
| 3 | 23 | 12.289 | 12.310 | 0.021 |
| 3 | 24 | 12.270 | 12.283 | 0.013 |
| 5 | 25 | 12.680 | 12.692 | 0.012 |
| 5 | 26 | 12.548 | 12.603 | 0.055 |
| 5 | 27 | 12.323 | 12.314 | -0.009 |
| 5 | 28 | 12.298 | 12.341 | 0.043 |
| 5 | 29 | 12.533 | 12.544 | 0.011 |
| 10 | 30 | 12.525 | 12.591 | 0.066 |
| 10 | 31 | 12.672 | 12.653 | -0.019 |
| 10 | 32 | 12.561 | 12.585 | 0.024 |
| 10 | 33 | 12.374 | 12.328 | -0.046 |
| 10 | 34 | 12.513 | 12.588 | 0.075 |
| 15 | 35 | 12.256 | 12.227 | -0.029 |
| 15 | 36 | 12.310 | 12.321 | 0.011 |
| 15 | 37 | 12.340 | 12.373 | 0.033 |
| 15 | 38 | 12.539 | 12.545 | 0.006 |
| 15 | 39 | 12.240 | 12.212 | -0.028 |
| 30 | 40 | 12.178 | 12.229 | 0.051 |
| 30 | 41 | 12.304 | 12.325 | 0.021 |
| 30 | 42 | 12.724 | 12.657 | -0.067 |
| 30 | 43 | 12.395 | 12.444 | 0.049 |
| 30 | 44 | 12.527 | 12.605 | 0.078 |
| 35 | 45 | 12.509 | 12.530 | 0.021 |
| 35 | 46 | 12.310 | 12.326 | 0.016 |
| 35 | 47 | 12.470 | 12.447 | -0.023 |
| 35 | 48 | 12.085 | 12.191 | 0.106 |
| 35 | 49 | 12.109 | 12.164 | 0.055 |
| 50 | 50 | 12.250 | 12.298 | 0.048 |
| 50 | 51 | 12.398 | 12.445 | 0.047 |
| 50 | 52 | 12.567 | 12.417 | -0.150 |
| 50 | 53 | 12.239 | 12.237 | -0.002 |
| 50 | 54 | 12.236 | 12.241 | 0.005 |
| 55 | 55 | 12.362 | 12.375 | 0.013 |
| 55 | 56 | 12.480 | 12.538 | 0.058 |
| 55 | 57 | 12.741 | 12.708 | -0.033 |
| 55 | 58 | 12.411 | 12.496 | 0.085 |
| 55 | 59 | 12.376 | 12.246 | -0.130 |
| 100 | 60 | 12.196 | 12.276 | 0.080 |
| 100 | 61 | 12.141 | 12.097 | -0.044 |
| 100 | 62 | 12.822 | 12.666 | -0.156 |
| 100 | 63 | 12.368 | 12.455 | 0.087 |
| 100 | 64 | 12.175 | 12.274 | 0.099 |
| 105 | 65 | 12.457 | 12.467 | 0.010 |
| 105 | 66 | 12.265 | 12.237 | -0.028 |
| 105 | 67 | 12.575 | 12.484 | -0.091 |
| 105 | 68 | 12.498 | 12.391 | -0.107 |
| 105 | 69 | 12.444 | 12.351 | -0.093 |
| | Max | 12.822 | 12.708 | 0.106 |
| | Average | 12.396 | 12.399 | 0.004 |
| | Min | 12.085 | 12.097 | -0.156 |
| | Std Dev | 0.174 | 0.161 | 0.062 |




| | 4.41_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.218 | 12.114 | 12.314 | 12.328 | 12.212 | 12.229 | 12.164 | 12.237 | 12.246 | 12.097 | 12.237 |
| Average | 12.411 | 12.280 | 12.499 | 12.549 | 12.336 | 12.452 | 12.332 | 12.328 | 12.473 | 12.354 | 12.386 |
| Max | 12.638 | 12.415 | 12.692 | 12.653 | 12.545 | 12.657 | 12.530 | 12.445 | 12.708 | 12.666 | 12.484 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

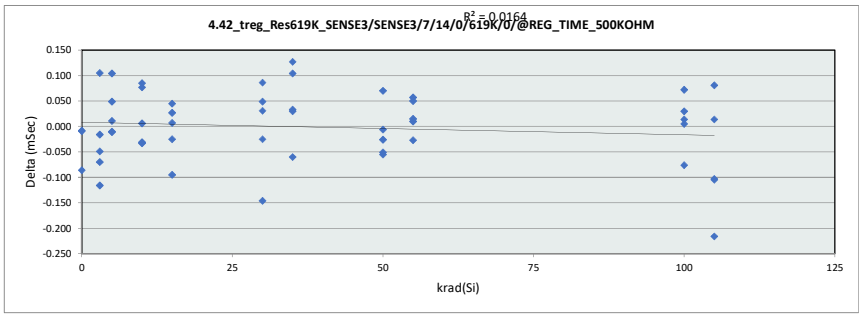


# TID HDR Report
# TPS7H3014-SP

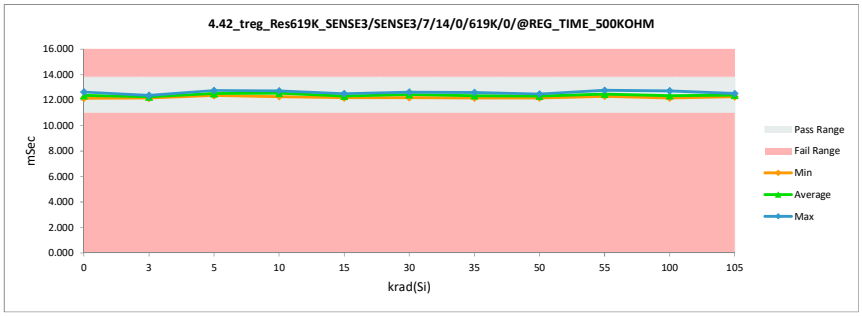
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.42_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.313 | 12.304 | -0.009 |
| 0 | 14 | 12.237 | 12.151 | -0.086 |
| 0 | 15 | 12.650 | 12.642 | -0.008 |
| 3 | 20 | 12.222 | 12.152 | -0.070 |
| 3 | 21 | 12.269 | 12.220 | -0.049 |
| 3 | 22 | 12.383 | 12.367 | -0.016 |
| 3 | 23 | 12.242 | 12.347 | 0.105 |
| 3 | 24 | 12.306 | 12.190 | -0.116 |
| 5 | 25 | 12.654 | 12.758 | 0.104 |
| 5 | 26 | 12.613 | 12.603 | -0.010 |
| 5 | 27 | 12.369 | 12.358 | -0.011 |
| 5 | 28 | 12.337 | 12.386 | 0.049 |
| 5 | 29 | 12.493 | 12.504 | 0.011 |
| 10 | 30 | 12.490 | 12.575 | 0.085 |
| 10 | 31 | 12.652 | 12.729 | 0.077 |
| 10 | 32 | 12.621 | 12.627 | 0.006 |
| 10 | 33 | 12.310 | 12.277 | -0.033 |
| 10 | 34 | 12.567 | 12.536 | -0.031 |
| 15 | 35 | 12.202 | 12.177 | -0.025 |
| 15 | 36 | 12.337 | 12.344 | 0.007 |
| 15 | 37 | 12.287 | 12.314 | 0.027 |
| 15 | 38 | 12.598 | 12.503 | -0.095 |
| 15 | 39 | 12.204 | 12.249 | 0.045 |
| 30 | 40 | 12.218 | 12.193 | -0.025 |
| 30 | 41 | 12.246 | 12.277 | 0.031 |
| 30 | 42 | 12.770 | 12.624 | -0.146 |
| 30 | 43 | 12.444 | 12.493 | 0.049 |
| 30 | 44 | 12.486 | 12.572 | 0.086 |
| 35 | 45 | 12.468 | 12.595 | 0.127 |
| 35 | 46 | 12.342 | 12.372 | 0.030 |
| 35 | 47 | 12.460 | 12.400 | -0.060 |
| 35 | 48 | 12.107 | 12.211 | 0.104 |
| 35 | 49 | 12.135 | 12.168 | 0.033 |
| 50 | 50 | 12.186 | 12.256 | 0.070 |
| 50 | 51 | 12.448 | 12.393 | -0.055 |
| 50 | 52 | 12.528 | 12.477 | -0.051 |
| 50 | 53 | 12.178 | 12.172 | -0.006 |
| 50 | 54 | 12.290 | 12.264 | -0.026 |
| 55 | 55 | 12.306 | 12.321 | 0.015 |
| 55 | 56 | 12.438 | 12.488 | 0.050 |
| 55 | 57 | 12.710 | 12.767 | 0.057 |
| 55 | 58 | 12.456 | 12.466 | 0.010 |
| 55 | 59 | 12.323 | 12.296 | -0.027 |
| 100 | 60 | 12.230 | 12.244 | 0.014 |
| 100 | 61 | 12.143 | 12.173 | 0.030 |
| 100 | 62 | 12.801 | 12.725 | -0.076 |
| 100 | 63 | 12.331 | 12.403 | 0.072 |
| 100 | 64 | 12.204 | 12.209 | 0.005 |
| 105 | 65 | 12.508 | 12.522 | 0.014 |
| 105 | 66 | 12.180 | 12.261 | 0.081 |
| 105 | 67 | 12.536 | 12.433 | -0.103 |
| 105 | 68 | 12.540 | 12.324 | -0.216 |
| 105 | 69 | 12.495 | 12.390 | -0.105 |
| | Max | 12.801 | 12.767 | 0.127 |
| | Average | 12.394 | 12.392 | -0.001 |
| | Min | 12.107 | 12.151 | -0.216 |
| | Std Dev | 0.176 | 0.173 | 0.069 |




| | 4.42_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.151 | 12.152 | 12.358 | 12.277 | 12.177 | 12.193 | 12.168 | 12.172 | 12.296 | 12.173 | 12.261 |
| Average | 12.366 | 12.255 | 12.522 | 12.549 | 12.317 | 12.432 | 12.349 | 12.312 | 12.468 | 12.351 | 12.386 |
| Max | 12.642 | 12.367 | 12.758 | 12.729 | 12.503 | 12.624 | 12.595 | 12.477 | 12.767 | 12.725 | 12.522 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

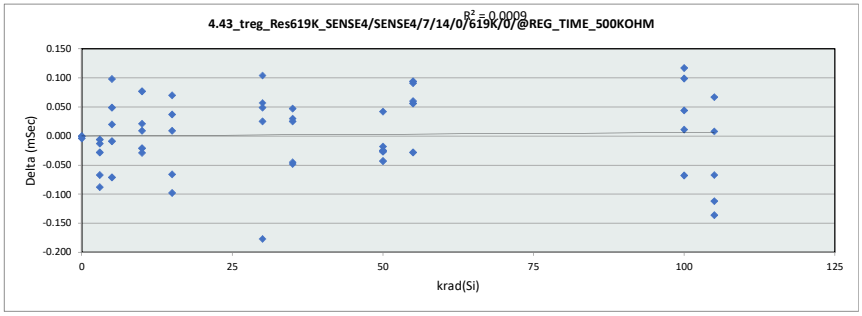


# TID HDR Report
# TPS7H3014-SP

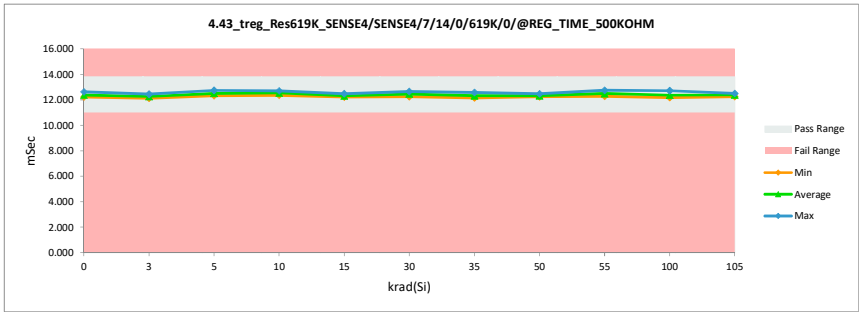
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.43_treg_Res619K_SENS | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 14.1 | 13.8 |
| Min Limit | 10.8 | 11 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 12.298 | 12.294 | -0.004 |
| 0 | 14 | 12.224 | 12.223 | -0.001 |
| 0 | 15 | 12.625 | 12.625 | 0.000 |
| 3 | 20 | 12.193 | 12.126 | -0.067 |
| 3 | 21 | 12.244 | 12.216 | -0.028 |
| 3 | 22 | 12.454 | 12.441 | -0.013 |
| 3 | 23 | 12.314 | 12.308 | -0.006 |
| 3 | 24 | 12.282 | 12.194 | -0.088 |
| 5 | 25 | 12.717 | 12.737 | 0.020 |
| 5 | 26 | 12.586 | 12.515 | -0.071 |
| 5 | 27 | 12.337 | 12.328 | -0.009 |
| 5 | 28 | 12.315 | 12.364 | 0.049 |
| 5 | 29 | 12.468 | 12.566 | 0.098 |
| 10 | 30 | 12.477 | 12.554 | 0.077 |
| 10 | 31 | 12.692 | 12.701 | 0.009 |
| 10 | 32 | 12.599 | 12.620 | 0.021 |
| 10 | 33 | 12.373 | 12.352 | -0.021 |
| 10 | 34 | 12.551 | 12.522 | -0.029 |
| 15 | 35 | 12.177 | 12.247 | 0.070 |
| 15 | 36 | 12.329 | 12.338 | 0.009 |
| 15 | 37 | 12.358 | 12.292 | -0.066 |
| 15 | 38 | 12.579 | 12.481 | -0.098 |
| 15 | 39 | 12.176 | 12.213 | 0.037 |
| 30 | 40 | 12.194 | 12.243 | 0.049 |
| 30 | 41 | 12.316 | 12.341 | 0.025 |
| 30 | 42 | 12.774 | 12.597 | -0.177 |
| 30 | 43 | 12.415 | 12.472 | 0.057 |
| 30 | 44 | 12.542 | 12.646 | 0.104 |
| 35 | 45 | 12.541 | 12.571 | 0.030 |
| 35 | 46 | 12.329 | 12.281 | -0.048 |
| 35 | 47 | 12.420 | 12.375 | -0.045 |
| 35 | 48 | 12.173 | 12.198 | 0.025 |
| 35 | 49 | 12.109 | 12.156 | 0.047 |
| 50 | 50 | 12.261 | 12.234 | -0.027 |
| 50 | 51 | 12.426 | 12.468 | 0.042 |
| 50 | 52 | 12.496 | 12.453 | -0.043 |
| 50 | 53 | 12.247 | 12.229 | -0.018 |
| 50 | 54 | 12.266 | 12.241 | -0.025 |
| 55 | 55 | 12.281 | 12.375 | 0.094 |
| 55 | 56 | 12.511 | 12.567 | 0.056 |
| 55 | 57 | 12.684 | 12.744 | 0.060 |
| 55 | 58 | 12.421 | 12.512 | 0.091 |
| 55 | 59 | 12.296 | 12.268 | -0.028 |
| 100 | 60 | 12.205 | 12.216 | 0.011 |
| 100 | 61 | 12.137 | 12.181 | 0.044 |
| 100 | 62 | 12.780 | 12.712 | -0.068 |
| 100 | 63 | 12.318 | 12.435 | 0.117 |
| 100 | 64 | 12.178 | 12.277 | 0.099 |
| 105 | 65 | 12.486 | 12.494 | 0.008 |
| 105 | 66 | 12.175 | 12.242 | 0.067 |
| 105 | 67 | 12.508 | 12.441 | -0.067 |
| 105 | 68 | 12.531 | 12.395 | -0.136 |
| 105 | 69 | 12.475 | 12.363 | -0.112 |
| | Max | 12.780 | 12.744 | 0.117 |
| | Average | 12.394 | 12.396 | 0.002 |
| | Min | 12.109 | 12.126 | -0.177 |
| | Std Dev | 0.175 | 0.167 | 0.064 |




| | 4.43_treg_Res619K_SEN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 13.8 | mSec | | | | | | | | | |
| Min Limit | 11 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 | 11.000 |
| Min | 12.223 | 12.126 | 12.328 | 12.352 | 12.213 | 12.243 | 12.156 | 12.229 | 12.268 | 12.181 | 12.242 |
| Average | 12.381 | 12.257 | 12.502 | 12.550 | 12.314 | 12.460 | 12.316 | 12.325 | 12.493 | 12.364 | 12.387 |
| Max | 12.625 | 12.441 | 12.737 | 12.701 | 12.481 | 12.646 | 12.571 | 12.468 | 12.744 | 12.712 | 12.494 |
| UL | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 | 13.800 |

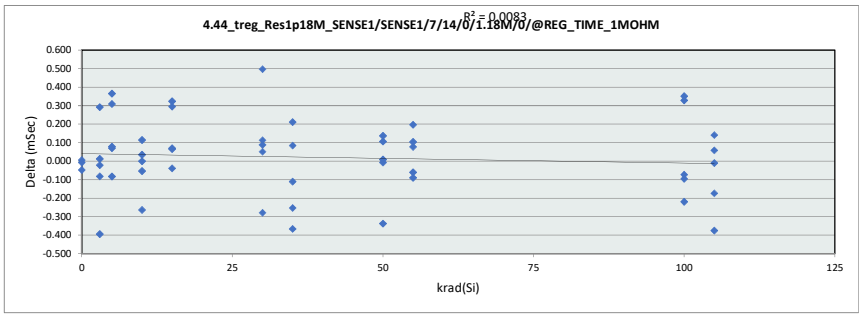


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

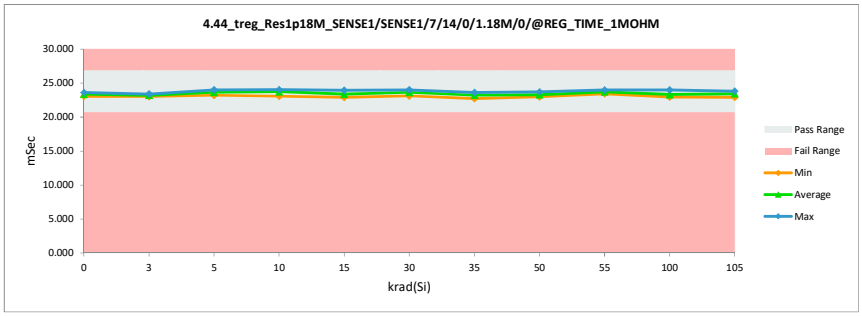
| | 4.44_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.444 | 23.450 | 0.006 |
| 0 | 14 | 23.111 | 23.063 | -0.048 |
| 0 | 15 | 23.621 | 23.613 | -0.008 |
| 3 | 20 | 23.129 | 23.047 | -0.082 |
| 3 | 21 | 23.101 | 23.393 | 0.292 |
| 3 | 22 | 23.324 | 23.302 | -0.022 |
| 3 | 23 | 23.158 | 23.170 | 0.012 |
| 3 | 24 | 23.428 | 23.034 | -0.394 |
| 5 | 25 | 23.947 | 24.017 | 0.070 |
| 5 | 26 | 23.619 | 23.536 | -0.083 |
| 5 | 27 | 23.220 | 23.529 | 0.309 |
| 5 | 28 | 23.157 | 23.235 | 0.078 |
| 5 | 29 | 23.502 | 23.867 | 0.365 |
| 10 | 30 | 23.552 | 23.666 | 0.114 |
| 10 | 31 | 24.037 | 24.037 | 0.000 |
| 10 | 32 | 23.988 | 24.023 | 0.035 |
| 10 | 33 | 23.339 | 23.075 | -0.264 |
| 10 | 34 | 23.990 | 23.937 | -0.053 |
| 15 | 35 | 22.877 | 23.172 | 0.295 |
| 15 | 36 | 23.206 | 23.529 | 0.323 |
| 15 | 37 | 23.287 | 23.357 | 0.070 |
| 15 | 38 | 23.978 | 23.939 | -0.039 |
| 15 | 39 | 22.849 | 22.914 | 0.065 |
| 30 | 40 | 23.003 | 23.116 | 0.113 |
| 30 | 41 | 23.324 | 23.375 | 0.051 |
| 30 | 42 | 24.130 | 23.851 | -0.279 |
| 30 | 43 | 23.750 | 23.838 | 0.088 |
| 30 | 44 | 23.519 | 24.016 | 0.497 |
| 35 | 45 | 23.727 | 23.616 | -0.111 |
| 35 | 46 | 23.268 | 23.352 | 0.084 |
| 35 | 47 | 23.751 | 23.385 | -0.366 |
| 35 | 48 | 22.797 | 23.008 | 0.211 |
| 35 | 49 | 22.985 | 22.732 | -0.253 |
| 50 | 50 | 22.889 | 23.025 | 0.136 |
| 50 | 51 | 23.668 | 23.330 | -0.338 |
| 50 | 52 | 23.614 | 23.720 | 0.106 |
| 50 | 53 | 23.388 | 23.380 | -0.008 |
| 50 | 54 | 22.972 | 22.981 | 0.009 |
| 55 | 55 | 23.363 | 23.440 | 0.077 |
| 55 | 56 | 23.782 | 23.886 | 0.104 |
| 55 | 57 | 24.061 | 23.971 | -0.090 |
| 55 | 58 | 23.568 | 23.765 | 0.197 |
| 55 | 59 | 23.582 | 23.521 | -0.061 |
| 100 | 60 | 22.944 | 23.273 | 0.329 |
| 100 | 61 | 22.684 | 23.035 | 0.351 |
| 100 | 62 | 24.045 | 23.972 | -0.073 |
| 100 | 63 | 23.436 | 23.340 | -0.096 |
| 100 | 64 | 23.177 | 22.957 | -0.220 |
| 105 | 65 | 23.746 | 23.804 | 0.058 |
| 105 | 66 | 22.918 | 22.908 | -0.010 |
| 105 | 67 | 23.473 | 23.614 | 0.141 |
| 105 | 68 | 23.795 | 23.420 | -0.375 |
| 105 | 69 | 23.674 | 23.500 | -0.174 |
| | Max | 24.130 | 24.037 | 0.497 |
| | Average | 23.432 | 23.454 | 0.021 |
| | Min | 22.684 | 22.732 | -0.394 |
| | Std Dev | 0.378 | 0.357 | 0.200 |




| | 4.44_treg_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.063 | 23.034 | 23.235 | 23.075 | 22.914 | 23.116 | 22.732 | 22.981 | 23.440 | 22.957 | 22.908 |
| Average | 23.375 | 23.189 | 23.637 | 23.748 | 23.382 | 23.639 | 23.219 | 23.287 | 23.717 | 23.315 | 23.449 |
| Max | 23.613 | 23.393 | 24.017 | 24.037 | 23.939 | 24.016 | 23.616 | 23.720 | 23.971 | 23.972 | 23.804 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

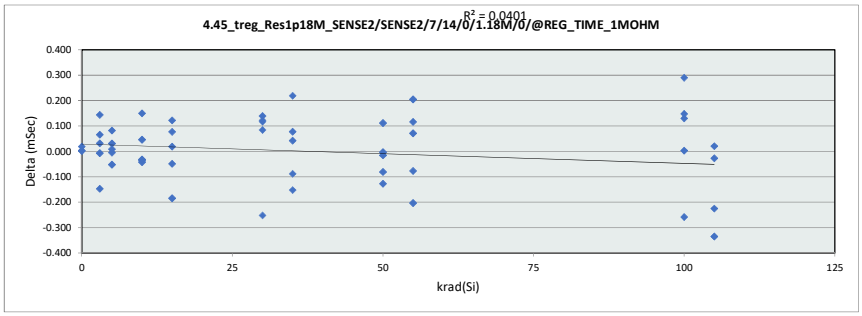


# TID HDR Report
# TPS7H3014-SP

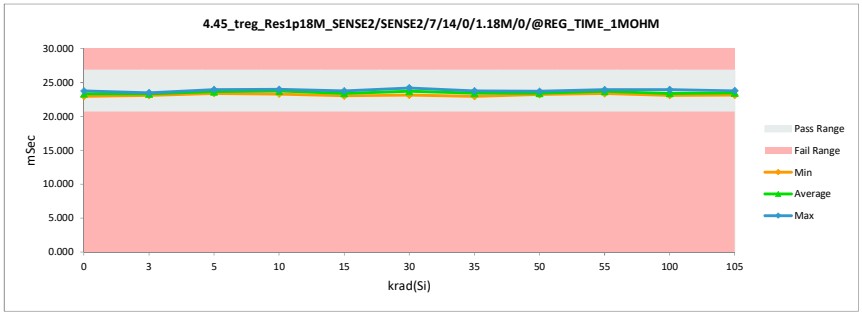
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.45_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.270 | 23.273 | 0.003 |
| 0 | 14 | 22.955 | 22.957 | 0.002 |
| 0 | 15 | 23.752 | 23.771 | 0.019 |
| 3 | 20 | 23.023 | 23.089 | 0.066 |
| 3 | 21 | 23.283 | 23.427 | 0.144 |
| 3 | 22 | 23.489 | 23.482 | -0.007 |
| 3 | 23 | 23.345 | 23.377 | 0.032 |
| 3 | 24 | 23.425 | 23.278 | -0.147 |
| 5 | 25 | 23.934 | 23.965 | 0.031 |
| 5 | 26 | 23.804 | 23.752 | -0.052 |
| 5 | 27 | 23.397 | 23.392 | -0.005 |
| 5 | 28 | 23.335 | 23.417 | 0.082 |
| 5 | 29 | 23.826 | 23.835 | 0.009 |
| 10 | 30 | 23.542 | 23.692 | 0.150 |
| 10 | 31 | 24.024 | 23.992 | -0.032 |
| 10 | 32 | 23.919 | 23.965 | 0.046 |
| 10 | 33 | 23.327 | 23.292 | -0.035 |
| 10 | 34 | 23.939 | 23.897 | -0.042 |
| 15 | 35 | 23.082 | 23.033 | -0.049 |
| 15 | 36 | 23.370 | 23.389 | 0.019 |
| 15 | 37 | 23.463 | 23.540 | 0.077 |
| 15 | 38 | 23.957 | 23.773 | -0.184 |
| 15 | 39 | 23.058 | 23.180 | 0.122 |
| 30 | 40 | 23.042 | 23.159 | 0.117 |
| 30 | 41 | 23.332 | 23.416 | 0.084 |
| 30 | 42 | 24.447 | 24.195 | -0.252 |
| 30 | 43 | 23.743 | 23.865 | 0.122 |
| 30 | 44 | 23.850 | 23.989 | 0.139 |
| 35 | 45 | 23.725 | 23.767 | 0.042 |
| 35 | 46 | 23.469 | 23.547 | 0.078 |
| 35 | 47 | 23.740 | 23.588 | -0.152 |
| 35 | 48 | 23.017 | 23.236 | 0.219 |
| 35 | 49 | 23.034 | 22.946 | -0.088 |
| 50 | 50 | 23.129 | 23.241 | 0.112 |
| 50 | 51 | 23.659 | 23.532 | -0.127 |
| 50 | 52 | 23.787 | 23.706 | -0.081 |
| 50 | 53 | 23.402 | 23.387 | -0.015 |
| 50 | 54 | 23.220 | 23.217 | -0.003 |
| 55 | 55 | 23.415 | 23.486 | 0.071 |
| 55 | 56 | 23.764 | 23.880 | 0.116 |
| 55 | 57 | 24.020 | 23.943 | -0.077 |
| 55 | 58 | 23.568 | 23.773 | 0.205 |
| 55 | 59 | 23.573 | 23.370 | -0.203 |
| 100 | 60 | 23.183 | 23.186 | 0.003 |
| 100 | 61 | 22.979 | 23.109 | 0.130 |
| 100 | 62 | 24.195 | 23.937 | -0.258 |
| 100 | 63 | 23.293 | 23.583 | 0.290 |
| 100 | 64 | 23.054 | 23.202 | 0.148 |
| 105 | 65 | 23.757 | 23.778 | 0.021 |
| 105 | 66 | 23.158 | 23.131 | -0.027 |
| 105 | 67 | 23.839 | 23.614 | -0.225 |
| 105 | 68 | 23.774 | 23.439 | -0.335 |
| 105 | 69 | 23.674 | 23.339 | -0.335 |
| | Max | 24.447 | 24.195 | 0.290 |
| | Average | 23.516 | 23.516 | -0.001 |
| | Min | 22.955 | 22.946 | -0.335 |
| | Std Dev | 0.353 | 0.311 | 0.136 |




| | 4.45_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 22.957 | 23.089 | 23.392 | 23.292 | 23.033 | 23.159 | 22.946 | 23.217 | 23.370 | 23.109 | 23.131 |
| Average | 23.334 | 23.331 | 23.672 | 23.768 | 23.383 | 23.725 | 23.417 | 23.417 | 23.690 | 23.403 | 23.460 |
| Max | 23.771 | 23.482 | 23.965 | 23.992 | 23.773 | 24.195 | 23.767 | 23.706 | 23.943 | 23.937 | 23.778 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

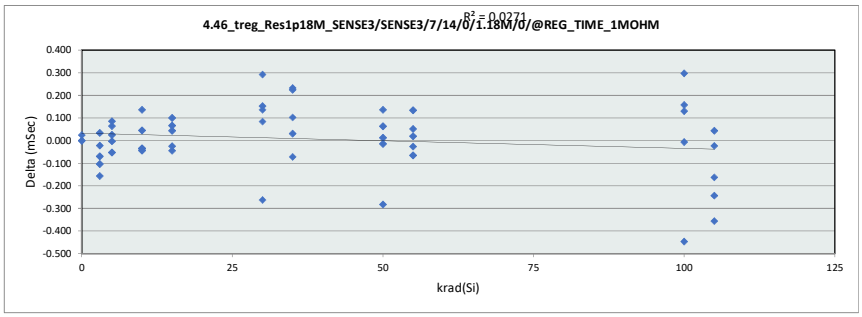


# TID HDR Report
# TPS7H3014-SP

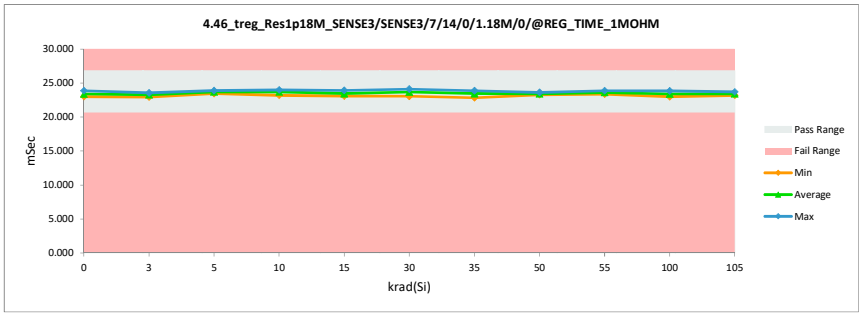
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 4.46_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.317 | 23.341 | 0.024 |
| 0 | 14 | 23.016 | 23.016 | 0.000 |
| 0 | 15 | 23.871 | 23.869 | -0.002 |
| 3 | 20 | 23.086 | 22.982 | -0.104 |
| 3 | 21 | 23.360 | 23.290 | -0.070 |
| 3 | 22 | 23.587 | 23.565 | -0.022 |
| 3 | 23 | 23.424 | 23.458 | 0.034 |
| 3 | 24 | 23.317 | 23.160 | -0.157 |
| 5 | 25 | 23.850 | 23.914 | 0.064 |
| 5 | 26 | 23.903 | 23.850 | -0.053 |
| 5 | 27 | 23.472 | 23.469 | -0.003 |
| 5 | 28 | 23.413 | 23.498 | 0.085 |
| 5 | 29 | 23.748 | 23.773 | 0.025 |
| 10 | 30 | 23.624 | 23.588 | -0.036 |
| 10 | 31 | 23.945 | 23.910 | -0.035 |
| 10 | 32 | 23.856 | 23.901 | 0.045 |
| 10 | 33 | 23.225 | 23.181 | -0.044 |
| 10 | 34 | 23.862 | 23.998 | 0.136 |
| 15 | 35 | 23.148 | 23.103 | -0.045 |
| 15 | 36 | 23.465 | 23.440 | -0.025 |
| 15 | 37 | 23.570 | 23.636 | 0.066 |
| 15 | 38 | 23.874 | 23.917 | 0.043 |
| 15 | 39 | 23.146 | 23.246 | 0.100 |
| 30 | 40 | 22.920 | 23.072 | 0.152 |
| 30 | 41 | 23.224 | 23.308 | 0.084 |
| 30 | 42 | 24.380 | 24.117 | -0.263 |
| 30 | 43 | 23.660 | 23.796 | 0.136 |
| 30 | 44 | 23.771 | 24.063 | 0.292 |
| 35 | 45 | 23.636 | 23.868 | 0.232 |
| 35 | 46 | 23.529 | 23.631 | 0.102 |
| 35 | 47 | 23.646 | 23.677 | 0.031 |
| 35 | 48 | 23.080 | 23.304 | 0.224 |
| 35 | 49 | 22.911 | 22.839 | -0.072 |
| 50 | 50 | 23.194 | 23.330 | 0.136 |
| 50 | 51 | 23.563 | 23.626 | 0.063 |
| 50 | 52 | 23.892 | 23.609 | -0.283 |
| 50 | 53 | 23.293 | 23.278 | -0.015 |
| 50 | 54 | 23.271 | 23.283 | 0.012 |
| 55 | 55 | 23.311 | 23.362 | 0.051 |
| 55 | 56 | 23.687 | 23.821 | 0.134 |
| 55 | 57 | 23.939 | 23.873 | -0.066 |
| 55 | 58 | 23.635 | 23.654 | 0.019 |
| 55 | 59 | 23.477 | 23.450 | -0.027 |
| 100 | 60 | 23.248 | 23.241 | -0.007 |
| 100 | 61 | 22.857 | 22.987 | 0.130 |
| 100 | 62 | 24.302 | 23.855 | -0.447 |
| 100 | 63 | 23.376 | 23.673 | 0.297 |
| 100 | 64 | 23.110 | 23.267 | 0.157 |
| 105 | 65 | 23.652 | 23.695 | 0.043 |
| 105 | 66 | 23.222 | 23.198 | -0.024 |
| 105 | 67 | 23.760 | 23.516 | -0.244 |
| 105 | 68 | 23.699 | 23.343 | -0.356 |
| 105 | 69 | 23.575 | 23.412 | -0.163 |
| | Max | 24.380 | 24.117 | 0.297 |
| | Average | 23.508 | 23.514 | 0.007 |
| | Min | 22.857 | 22.839 | -0.447 |
| | Std Dev | 0.337 | 0.313 | 0.145 |




| | 4.46_treg_Res1p18M_SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 26.8 | mSec | | | | | | | | | |
| Min Limit | 20.7 | mSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 23.016 | 22.982 | 23.469 | 23.181 | 23.103 | 23.072 | 22.839 | 23.278 | 23.362 | 22.987 | 23.198 |
| Average | 23.409 | 23.291 | 23.701 | 23.716 | 23.468 | 23.671 | 23.464 | 23.425 | 23.632 | 23.405 | 23.433 |
| Max | 23.869 | 23.565 | 23.914 | 23.998 | 23.917 | 24.117 | 23.868 | 23.626 | 23.873 | 23.855 | 23.695 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

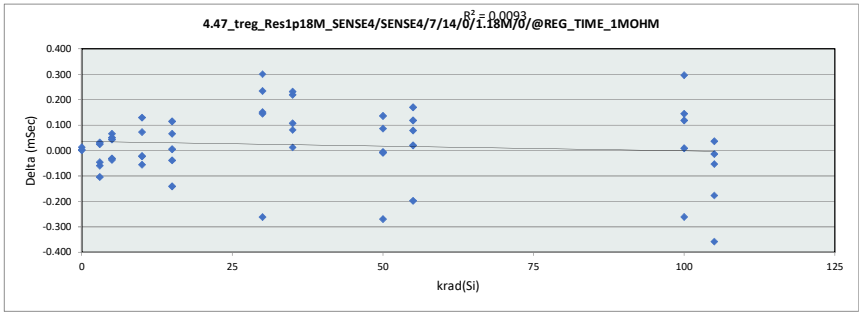


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

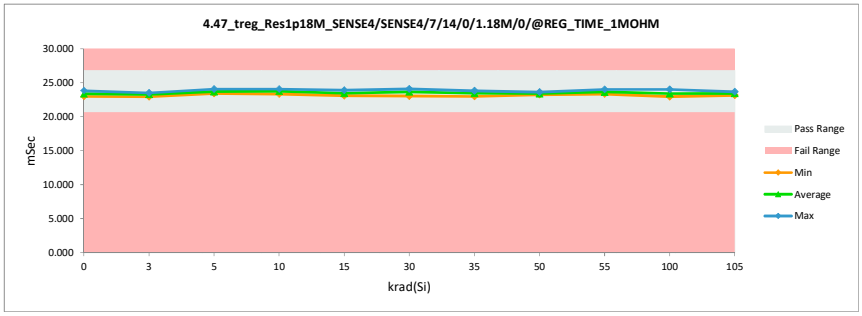
| | 4.47_treg_Res1p18M_SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mSec | mSec |
| Max Limit | 27.2 | 26.8 |
| Min Limit | 20.3 | 20.7 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 23.324 | 23.325 | 0.001 |
| 0 | 14 | 22.988 | 22.991 | 0.003 |
| 0 | 15 | 23.824 | 23.837 | 0.013 |
| 3 | 20 | 23.059 | 22.955 | -0.104 |
| 3 | 21 | 23.337 | 23.291 | -0.046 |
| 3 | 22 | 23.568 | 23.508 | -0.060 |
| 3 | 23 | 23.384 | 23.409 | 0.025 |
| 3 | 24 | 23.293 | 23.325 | 0.032 |
| 5 | 25 | 24.014 | 24.064 | 0.050 |
| 5 | 26 | 23.855 | 23.818 | -0.037 |
| 5 | 27 | 23.463 | 23.431 | -0.032 |
| 5 | 28 | 23.389 | 23.455 | 0.066 |
| 5 | 29 | 23.715 | 23.758 | 0.043 |
| 10 | 30 | 23.599 | 23.576 | -0.023 |
| 10 | 31 | 23.908 | 23.886 | -0.022 |
| 10 | 32 | 23.999 | 24.071 | 0.072 |
| 10 | 33 | 23.209 | 23.338 | 0.129 |
| 10 | 34 | 24.021 | 23.965 | -0.056 |
| 15 | 35 | 23.121 | 23.082 | -0.039 |
| 15 | 36 | 23.440 | 23.445 | 0.005 |
| 15 | 37 | 23.545 | 23.611 | 0.066 |
| 15 | 38 | 24.038 | 23.897 | -0.141 |
| 15 | 39 | 23.107 | 23.221 | 0.114 |
| 30 | 40 | 22.897 | 23.048 | 0.151 |
| 30 | 41 | 23.201 | 23.435 | 0.234 |
| 30 | 42 | 24.353 | 24.091 | -0.262 |
| 30 | 43 | 23.635 | 23.779 | 0.144 |
| 30 | 44 | 23.748 | 24.048 | 0.300 |
| 35 | 45 | 23.612 | 23.831 | 0.219 |
| 35 | 46 | 23.526 | 23.607 | 0.081 |
| 35 | 47 | 23.620 | 23.632 | 0.012 |
| 35 | 48 | 23.049 | 23.280 | 0.231 |
| 35 | 49 | 22.887 | 22.994 | 0.107 |
| 50 | 50 | 23.168 | 23.304 | 0.136 |
| 50 | 51 | 23.538 | 23.624 | 0.086 |
| 50 | 52 | 23.856 | 23.586 | -0.270 |
| 50 | 53 | 23.258 | 23.249 | -0.009 |
| 50 | 54 | 23.262 | 23.256 | -0.006 |
| 55 | 55 | 23.267 | 23.345 | 0.078 |
| 55 | 56 | 23.629 | 23.799 | 0.170 |
| 55 | 57 | 23.901 | 24.019 | 0.118 |
| 55 | 58 | 23.627 | 23.647 | 0.020 |
| 55 | 59 | 23.610 | 23.412 | -0.198 |
| 100 | 60 | 23.225 | 23.234 | 0.009 |
| 100 | 61 | 22.832 | 22.950 | 0.118 |
| 100 | 62 | 24.278 | 24.017 | -0.261 |
| 100 | 63 | 23.354 | 23.650 | 0.296 |
| 100 | 64 | 23.090 | 23.234 | 0.144 |
| 105 | 65 | 23.644 | 23.680 | 0.036 |
| 105 | 66 | 23.186 | 23.172 | -0.014 |
| 105 | 67 | 23.732 | 23.679 | -0.053 |
| 105 | 68 | 23.676 | 23.318 | -0.358 |
| 105 | 69 | 23.552 | 23.375 | -0.177 |
| | Max | 24.353 | 24.091 | 0.300 |
| | Average | 23.498 | 23.520 | 0.022 |
| | Min | 22.832 | 22.950 | -0.358 |
| | Std Dev | 0.354 | 0.320 | 0.138 |




| | 4.47_treg_Res1p18M_SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 26.8 | mSec |
| Min Limit | 20.7 | mSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 | 20.700 |
| Min | 22.991 | 22.955 | 23.431 | 23.338 | 23.082 | 23.048 | 22.994 | 23.249 | 23.345 | 22.950 | 23.172 |
| Average | 23.384 | 23.298 | 23.705 | 23.767 | 23.451 | 23.680 | 23.469 | 23.404 | 23.644 | 23.417 | 23.445 |
| Max | 23.837 | 23.508 | 24.064 | 24.071 | 23.897 | 24.091 | 23.831 | 23.624 | 24.019 | 24.017 | 23.680 |
| UL | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 | 26.800 |

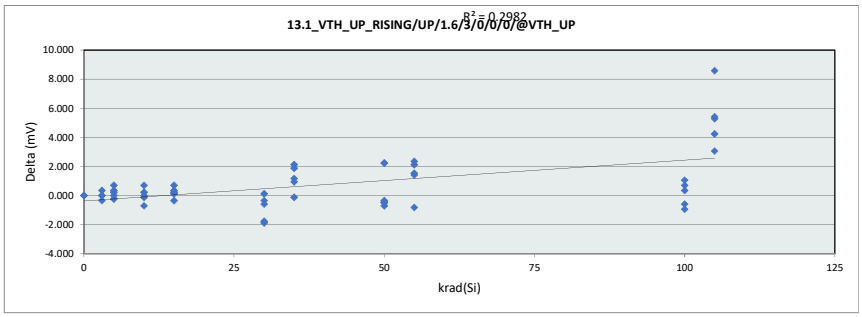


# TID HDR Report
# TPS7H3014-SP

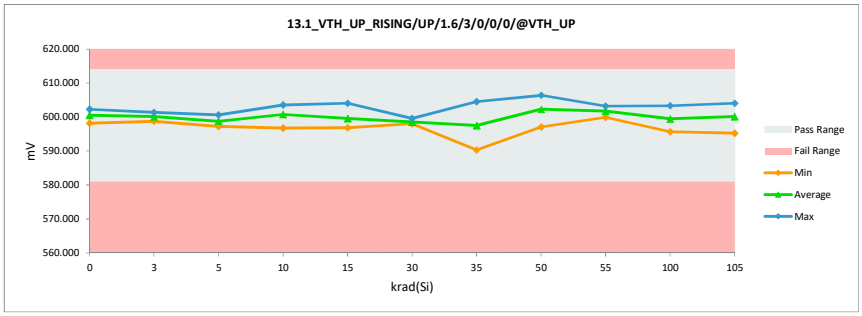
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.1_VTH_UP_RISING/UP | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 615 | 614 |
| Min Limit | 580 | 581 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.118 | 601.118 | 0.000 |
| 0 | 14 | 602.295 | 602.295 | 0.000 |
| 0 | 15 | 598.175 | 598.175 | 0.000 |
| 3 | 20 | 601.707 | 601.354 | -0.353 |
| 3 | 21 | 598.411 | 598.764 | 0.353 |
| 3 | 22 | 599.941 | 599.941 | 0.000 |
| 3 | 23 | 599.706 | 599.706 | 0.000 |
| 3 | 24 | 601.001 | 601.001 | 0.000 |
| 5 | 25 | 598.999 | 599.706 | 0.707 |
| 5 | 26 | 596.998 | 597.234 | 0.236 |
| 5 | 27 | 597.116 | 597.469 | 0.353 |
| 5 | 28 | 598.882 | 598.882 | 0.000 |
| 5 | 29 | 600.883 | 600.647 | -0.236 |
| 10 | 30 | 602.884 | 603.590 | 0.706 |
| 10 | 31 | 600.412 | 600.412 | 0.000 |
| 10 | 32 | 600.412 | 600.647 | 0.235 |
| 10 | 33 | 596.881 | 596.763 | -0.118 |
| 10 | 34 | 603.237 | 602.531 | -0.706 |
| 15 | 35 | 597.705 | 598.058 | 0.353 |
| 15 | 36 | 597.351 | 598.058 | 0.707 |
| 15 | 37 | 596.645 | 596.881 | 0.236 |
| 15 | 38 | 603.943 | 604.061 | 0.118 |
| 15 | 39 | 601.354 | 601.001 | -0.353 |
| 30 | 40 | 599.823 | 598.058 | -1.765 |
| 30 | 41 | 598.999 | 598.411 | -0.588 |
| 30 | 42 | 598.999 | 598.646 | -0.353 |
| 30 | 43 | 599.470 | 599.588 | 0.118 |
| 30 | 44 | 600.177 | 598.293 | -1.884 |
| 35 | 45 | 604.650 | 604.532 | -0.118 |
| 35 | 46 | 598.293 | 600.177 | 1.884 |
| 35 | 47 | 594.291 | 595.468 | 1.177 |
| 35 | 48 | 589.347 | 590.288 | 0.941 |
| 35 | 49 | 594.997 | 597.116 | 2.119 |
| 50 | 50 | 604.650 | 604.179 | -0.471 |
| 50 | 51 | 603.943 | 603.237 | -0.706 |
| 50 | 52 | 594.879 | 597.116 | 2.237 |
| 50 | 53 | 606.769 | 606.416 | -0.353 |
| 50 | 54 | 601.118 | 600.647 | -0.471 |
| 55 | 55 | 598.529 | 599.941 | 1.412 |
| 55 | 56 | 599.588 | 601.118 | 1.530 |
| 55 | 57 | 603.473 | 602.649 | -0.824 |
| 55 | 58 | 599.706 | 601.825 | 2.119 |
| 55 | 59 | 600.883 | 603.237 | 2.354 |
| 100 | 60 | 598.999 | 598.058 | -0.941 |
| 100 | 61 | 603.943 | 603.355 | -0.588 |
| 100 | 62 | 594.997 | 595.703 | 0.706 |
| 100 | 63 | 598.882 | 599.235 | 0.353 |
| 100 | 64 | 600.177 | 601.236 | 1.059 |
| 105 | 65 | 594.997 | 599.235 | 4.238 |
| 105 | 66 | 595.232 | 600.647 | 5.415 |
| 105 | 67 | 589.935 | 595.232 | 5.297 |
| 105 | 68 | 595.468 | 604.061 | 8.593 |
| 105 | 69 | 598.529 | 601.589 | 3.060 |
| | Max | 606.769 | 606.416 | 8.593 |
| | Average | 599.241 | 599.954 | 0.713 |
| | Min | 589.347 | 590.288 | -1.884 |
| | Std Dev | 3.437 | 2.870 | 1.840 |




| | 13.1_VTH_UP_RISING/U | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 614 | mV | | | | | | | | | |
| Min Limit | 581 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 581.000 | 581.000 | 581.000 | 581.000 | #### | 581.000 | #### | #### | 581.000 | #### | 581.000 |
| Min | 598.175 | 598.764 | 597.234 | 596.763 | #### | 598.058 | #### | #### | 599.941 | #### | 595.232 |
| Average | 600.529 | 600.153 | 598.788 | 600.789 | #### | 598.599 | #### | #### | 601.754 | #### | 600.153 |
| Max | 602.295 | 601.354 | 600.647 | 603.590 | #### | 599.588 | #### | #### | 603.237 | #### | 604.061 |
| UL | 614.000 | 614.000 | 614.000 | 614.000 | #### | 614.000 | #### | #### | 614.000 | #### | 614.000 |

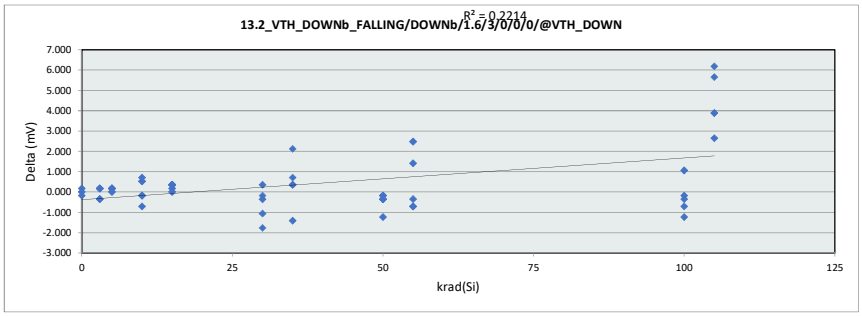


# TID HDR Report
# TPS7H3014-SP

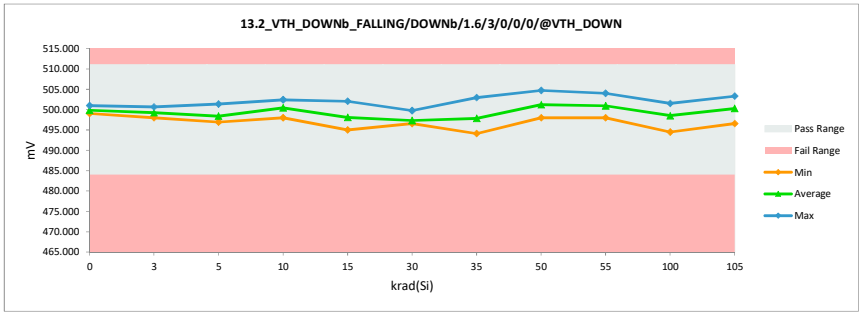
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.2_VTH_DOWNb_FALLIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 512 | 511 |
| Min Limit | 483 | 484 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 498.882 | 499.058 | 0.176 |
| 0 | 14 | 501.177 | 501.001 | -0.176 |
| 0 | 15 | 499.411 | 499.411 | 0.000 |
| 3 | 20 | 499.588 | 499.765 | 0.177 |
| 3 | 21 | 498.705 | 498.352 | -0.353 |
| 3 | 22 | 497.822 | 497.999 | 0.177 |
| 3 | 23 | 499.941 | 499.588 | -0.353 |
| 3 | 24 | 500.471 | 500.647 | 0.176 |
| 5 | 25 | 498.705 | 498.882 | 0.177 |
| 5 | 26 | 497.822 | 497.999 | 0.177 |
| 5 | 27 | 496.939 | 496.939 | 0.000 |
| 5 | 28 | 496.763 | 496.939 | 0.176 |
| 5 | 29 | 501.177 | 501.354 | 0.177 |
| 10 | 30 | 500.824 | 501.530 | 0.706 |
| 10 | 31 | 502.590 | 502.413 | -0.177 |
| 10 | 32 | 498.175 | 498.705 | 0.530 |
| 10 | 33 | 498.175 | 497.999 | -0.176 |
| 10 | 34 | 502.237 | 501.530 | -0.707 |
| 15 | 35 | 495.527 | 495.880 | 0.353 |
| 15 | 36 | 497.646 | 497.999 | 0.353 |
| 15 | 37 | 494.820 | 494.997 | 0.177 |
| 15 | 38 | 501.707 | 502.060 | 0.353 |
| 15 | 39 | 499.411 | 499.411 | 0.000 |
| 30 | 40 | 497.646 | 496.586 | -1.060 |
| 30 | 41 | 497.293 | 496.939 | -0.354 |
| 30 | 42 | 496.939 | 496.763 | -0.176 |
| 30 | 43 | 499.411 | 499.765 | 0.354 |
| 30 | 44 | 498.352 | 496.586 | -1.766 |
| 35 | 45 | 502.590 | 502.943 | 0.353 |
| 35 | 46 | 500.824 | 499.411 | -1.413 |
| 35 | 47 | 496.763 | 497.116 | 0.353 |
| 35 | 48 | 493.408 | 494.114 | 0.706 |
| 35 | 49 | 493.408 | 495.527 | 2.119 |
| 50 | 50 | 502.590 | 502.413 | -0.177 |
| 50 | 51 | 501.883 | 501.530 | -0.353 |
| 50 | 52 | 499.235 | 497.999 | -1.236 |
| 50 | 53 | 504.885 | 504.709 | -0.176 |
| 50 | 54 | 499.765 | 499.411 | -0.354 |
| 55 | 55 | 498.352 | 497.999 | -0.353 |
| 55 | 56 | 503.119 | 502.413 | -0.706 |
| 55 | 57 | 501.177 | 500.471 | -0.706 |
| 55 | 58 | 498.352 | 499.765 | 1.413 |
| 55 | 59 | 501.530 | 504.002 | 2.472 |
| 100 | 60 | 497.293 | 496.057 | -1.236 |
| 100 | 61 | 501.883 | 501.530 | -0.353 |
| 100 | 62 | 495.174 | 494.467 | -0.707 |
| 100 | 63 | 501.177 | 501.001 | -0.176 |
| 100 | 64 | 498.529 | 499.588 | 1.059 |
| 105 | 65 | 499.411 | 503.296 | 3.885 |
| 105 | 66 | 496.233 | 500.118 | 3.885 |
| 105 | 67 | 490.936 | 496.586 | 5.650 |
| 105 | 68 | 495.527 | 501.707 | 6.180 |
| 105 | 69 | 497.116 | 499.765 | 2.649 |
| | Max | 504.885 | 504.709 | 6.180 |
| | Average | 498.855 | 499.265 | 0.410 |
| | Min | 490.936 | 494.114 | -1.766 |
| | Std Dev | 2.736 | 2.499 | 1.562 |




| | 13.2_VTH_DOWNb_FALL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 511 | mV | | | | | | | | | |
| Min Limit | 484 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 484.000 | 484.000 | 484.000 | 484.000 | #### | 484.000 | #### | #### | 484.000 | #### | 484.000 |
| Min | 499.058 | 497.999 | 496.939 | 497.999 | #### | 496.586 | #### | #### | 497.999 | #### | 496.586 |
| Average | 499.823 | 499.270 | 498.423 | 500.435 | #### | 497.328 | #### | #### | 500.930 | #### | 500.294 |
| Max | 501.001 | 500.647 | 501.354 | 502.413 | #### | 499.765 | #### | #### | 504.002 | #### | 503.296 |
| UL | 511.000 | 511.000 | 511.000 | 511.000 | #### | 511.000 | #### | #### | 511.000 | #### | 511.000 |

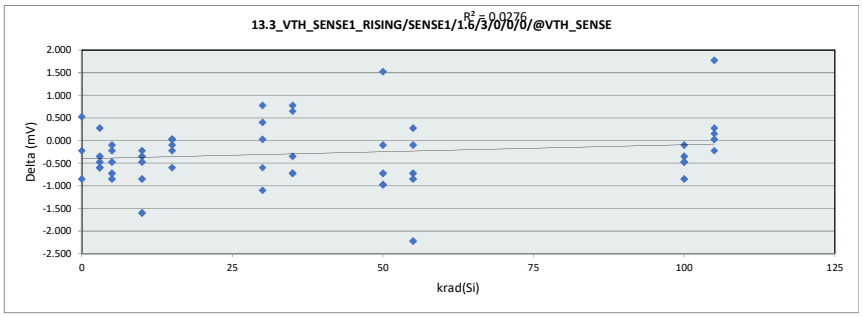


# TID HDR Report
# TPS7H3014-SP

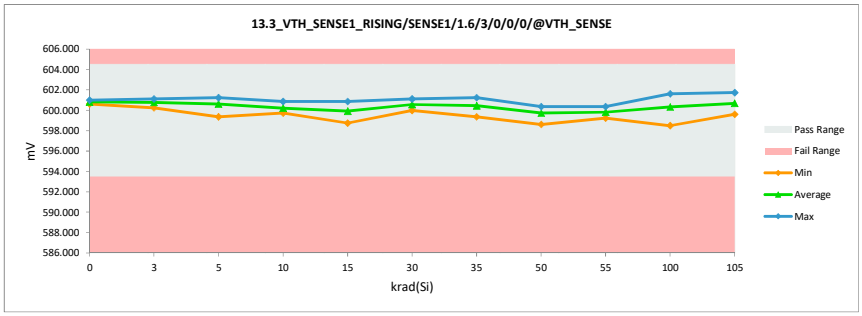
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.3_VTH_SENSE1_RISING | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.461 | 600.611 | -0.850 |
| 0 | 14 | 601.086 | 600.861 | -0.225 |
| 0 | 15 | 600.461 | 600.986 | 0.525 |
| 3 | 20 | 600.836 | 600.237 | -0.599 |
| 3 | 21 | 601.211 | 600.861 | -0.350 |
| 3 | 22 | 601.211 | 600.736 | -0.475 |
| 3 | 23 | 601.586 | 600.986 | -0.600 |
| 3 | 24 | 600.836 | 601.111 | 0.275 |
| 5 | 25 | 599.837 | 599.363 | -0.474 |
| 5 | 26 | 601.336 | 601.111 | -0.225 |
| 5 | 27 | 601.336 | 601.236 | -0.100 |
| 5 | 28 | 600.961 | 600.237 | -0.724 |
| 5 | 29 | 601.960 | 601.111 | -0.849 |
| 10 | 30 | 601.086 | 600.861 | -0.225 |
| 10 | 31 | 600.711 | 599.862 | -0.849 |
| 10 | 32 | 600.586 | 600.237 | -0.349 |
| 10 | 33 | 600.836 | 600.362 | -0.474 |
| 10 | 34 | 601.336 | 599.737 | -1.599 |
| 15 | 35 | 599.337 | 598.738 | -0.599 |
| 15 | 36 | 599.962 | 599.737 | -0.225 |
| 15 | 37 | 599.462 | 599.487 | 0.025 |
| 15 | 38 | 600.711 | 600.736 | 0.025 |
| 15 | 39 | 600.961 | 600.861 | -0.100 |
| 30 | 40 | 600.711 | 600.736 | 0.025 |
| 30 | 41 | 600.961 | 600.362 | -0.599 |
| 30 | 42 | 600.336 | 601.111 | 0.775 |
| 30 | 43 | 599.587 | 599.987 | 0.400 |
| 30 | 44 | 601.710 | 600.611 | -1.099 |
| 35 | 45 | 599.712 | 599.363 | -0.349 |
| 35 | 46 | 601.211 | 600.486 | -0.725 |
| 35 | 47 | 601.960 | 601.236 | -0.724 |
| 35 | 48 | 600.586 | 601.236 | 0.650 |
| 35 | 49 | 599.212 | 599.987 | 0.775 |
| 50 | 50 | 600.836 | 600.112 | -0.724 |
| 50 | 51 | 600.586 | 599.612 | -0.974 |
| 50 | 52 | 598.838 | 600.362 | 1.524 |
| 50 | 53 | 600.087 | 599.987 | -0.100 |
| 50 | 54 | 599.587 | 598.613 | -0.974 |
| 55 | 55 | 601.086 | 600.362 | -0.724 |
| 55 | 56 | 601.960 | 599.737 | -2.223 |
| 55 | 57 | 600.087 | 599.238 | -0.849 |
| 55 | 58 | 599.462 | 599.363 | -0.099 |
| 55 | 59 | 600.087 | 600.362 | 0.275 |
| 100 | 60 | 600.087 | 599.987 | -0.100 |
| 100 | 61 | 601.086 | 600.611 | -0.475 |
| 100 | 62 | 601.960 | 601.610 | -0.350 |
| 100 | 63 | 601.461 | 600.986 | -0.475 |
| 100 | 64 | 599.337 | 598.488 | -0.849 |
| 105 | 65 | 599.587 | 601.361 | 1.774 |
| 105 | 66 | 599.462 | 599.612 | 0.150 |
| 105 | 67 | 600.836 | 600.611 | -0.225 |
| 105 | 68 | 601.710 | 601.735 | 0.025 |
| 105 | 69 | 599.837 | 600.112 | 0.275 |
| | Max | 601.960 | 601.735 | 1.774 |
| | Average | 600.624 | 600.340 | -0.284 |
| | Min | 598.838 | 598.488 | -2.223 |
| | Std Dev | 0.825 | 0.751 | 0.675 |




| | 13.3_VTH_SENSE1_RISI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.611 | 600.237 | 599.363 | 599.737 | #### | 599.987 | #### | #### | 599.238 | #### | 599.612 |
| Average | 600.819 | 600.786 | 600.612 | 600.212 | #### | 600.561 | #### | #### | 599.812 | #### | 600.686 |
| Max | 600.986 | 601.111 | 601.236 | 600.861 | #### | 601.111 | #### | #### | 600.362 | #### | 601.735 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

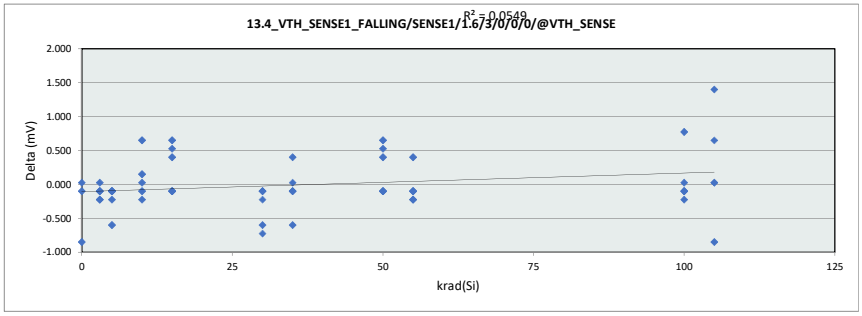


# TID HDR Report
# TPS7H3014-SP

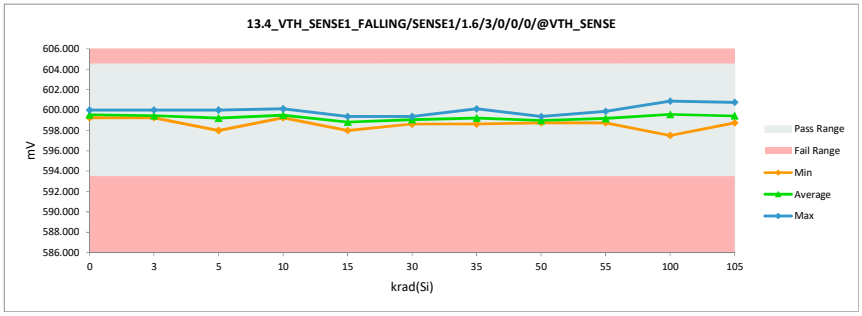
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.4_VTH_SENSE1_FALLIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.089 | 599.990 | -0.099 |
| 0 | 14 | 600.089 | 599.241 | -0.848 |
| 0 | 15 | 599.339 | 599.366 | 0.027 |
| 3 | 20 | 599.464 | 599.241 | -0.223 |
| 3 | 21 | 599.339 | 599.241 | -0.098 |
| 3 | 22 | 599.339 | 599.366 | 0.027 |
| 3 | 23 | 600.214 | 599.990 | -0.224 |
| 3 | 24 | 599.464 | 599.366 | -0.098 |
| 5 | 25 | 598.090 | 597.992 | -0.098 |
| 5 | 26 | 599.964 | 599.366 | -0.598 |
| 5 | 27 | 600.089 | 599.990 | -0.099 |
| 5 | 28 | 598.715 | 598.616 | -0.099 |
| 5 | 29 | 600.214 | 599.990 | -0.224 |
| 10 | 30 | 599.464 | 600.115 | 0.651 |
| 10 | 31 | 599.339 | 599.241 | -0.098 |
| 10 | 32 | 599.339 | 599.366 | 0.027 |
| 10 | 33 | 599.339 | 599.490 | 0.151 |
| 10 | 34 | 599.464 | 599.241 | -0.223 |
| 15 | 35 | 597.466 | 597.992 | 0.526 |
| 15 | 36 | 598.840 | 598.741 | -0.099 |
| 15 | 37 | 598.090 | 598.741 | 0.651 |
| 15 | 38 | 598.840 | 599.241 | 0.401 |
| 15 | 39 | 599.464 | 599.366 | -0.098 |
| 30 | 40 | 599.339 | 599.241 | -0.098 |
| 30 | 41 | 599.339 | 598.616 | -0.723 |
| 30 | 42 | 599.464 | 599.241 | -0.223 |
| 30 | 43 | 599.339 | 598.741 | -0.598 |
| 30 | 44 | 599.464 | 599.366 | -0.098 |
| 35 | 45 | 598.840 | 598.741 | -0.099 |
| 35 | 46 | 599.339 | 599.241 | -0.098 |
| 35 | 47 | 600.713 | 600.115 | -0.598 |
| 35 | 48 | 599.339 | 599.366 | 0.027 |
| 35 | 49 | 598.215 | 598.616 | 0.401 |
| 50 | 50 | 599.464 | 599.366 | -0.098 |
| 50 | 51 | 598.840 | 598.741 | -0.099 |
| 50 | 52 | 598.090 | 598.741 | 0.651 |
| 50 | 53 | 598.715 | 599.241 | 0.526 |
| 50 | 54 | 598.340 | 598.741 | 0.401 |
| 55 | 55 | 599.464 | 599.241 | -0.223 |
| 55 | 56 | 600.089 | 599.865 | -0.224 |
| 55 | 57 | 598.840 | 598.741 | -0.099 |
| 55 | 58 | 598.840 | 598.741 | -0.099 |
| 55 | 59 | 598.840 | 599.241 | 0.401 |
| 100 | 60 | 598.715 | 599.490 | 0.775 |
| 100 | 61 | 599.589 | 599.366 | -0.223 |
| 100 | 62 | 600.713 | 600.614 | -0.099 |
| 100 | 63 | 600.838 | 600.864 | 0.026 |
| 100 | 64 | 597.591 | 597.492 | -0.099 |
| 105 | 65 | 598.840 | 599.490 | 0.650 |
| 105 | 66 | 597.341 | 598.741 | 1.400 |
| 105 | 67 | 600.214 | 599.366 | -0.848 |
| 105 | 68 | 600.713 | 600.739 | 0.026 |
| 105 | 69 | 598.715 | 598.741 | 0.026 |
| | Max | 600.838 | 600.864 | 1.400 |
| | Average | 599.250 | 599.248 | -0.002 |
| | Min | 597.341 | 597.492 | -0.848 |
| | Std Dev | 0.805 | 0.641 | 0.418 |




| | 13.4_VTH_SENSE1_FALLI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.241 | 599.241 | 597.992 | 599.241 | #### | 598.616 | #### | #### | 598.741 | #### | 598.741 |
| Average | 599.532 | 599.441 | 599.191 | 599.491 | #### | 599.041 | #### | #### | 599.166 | #### | 599.415 |
| Max | 599.990 | 599.990 | 599.990 | 600.115 | #### | 599.366 | #### | #### | 599.865 | #### | 600.739 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

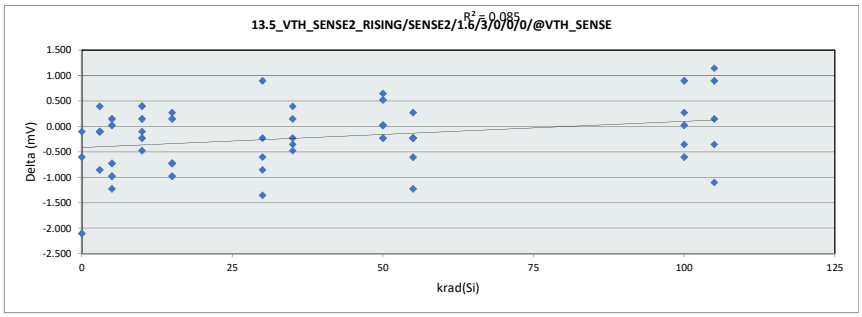


# TID HDR Report
# TPS7H3014-SP

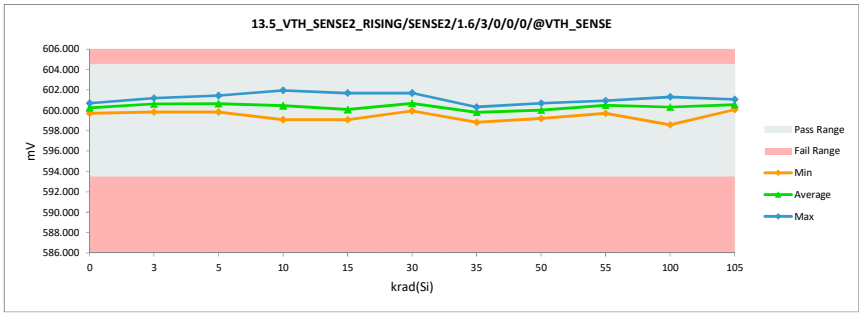
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.5_VTH_SENSE2_RISING | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.300 | 600.697 | -0.603 |
| 0 | 14 | 601.800 | 599.698 | -2.102 |
| 0 | 15 | 600.426 | 600.323 | -0.103 |
| 3 | 20 | 600.426 | 600.822 | 0.396 |
| 3 | 21 | 601.675 | 600.822 | -0.853 |
| 3 | 22 | 600.551 | 600.447 | -0.104 |
| 3 | 23 | 599.926 | 599.823 | -0.103 |
| 3 | 24 | 601.300 | 601.197 | -0.103 |
| 5 | 25 | 600.426 | 600.447 | 0.021 |
| 5 | 26 | 601.800 | 601.072 | -0.728 |
| 5 | 27 | 601.675 | 600.447 | -1.228 |
| 5 | 28 | 599.677 | 599.823 | 0.146 |
| 5 | 29 | 602.425 | 601.447 | -0.978 |
| 10 | 30 | 599.926 | 600.323 | 0.397 |
| 10 | 31 | 600.801 | 600.323 | -0.478 |
| 10 | 32 | 600.801 | 600.572 | -0.229 |
| 10 | 33 | 599.177 | 599.074 | -0.103 |
| 10 | 34 | 601.800 | 601.946 | 0.146 |
| 15 | 35 | 599.802 | 599.074 | -0.728 |
| 15 | 36 | 600.301 | 599.324 | -0.977 |
| 15 | 37 | 600.551 | 599.823 | -0.728 |
| 15 | 38 | 600.301 | 600.447 | 0.146 |
| 15 | 39 | 601.425 | 601.696 | 0.271 |
| 30 | 40 | 601.550 | 600.947 | -0.603 |
| 30 | 41 | 600.801 | 599.948 | -0.853 |
| 30 | 42 | 600.801 | 601.696 | 0.895 |
| 30 | 43 | 600.426 | 600.198 | -0.228 |
| 30 | 44 | 601.925 | 600.572 | -1.353 |
| 35 | 45 | 600.551 | 600.073 | -0.478 |
| 35 | 46 | 599.552 | 599.948 | 0.396 |
| 35 | 47 | 600.551 | 600.323 | -0.228 |
| 35 | 48 | 600.176 | 599.823 | -0.353 |
| 35 | 49 | 598.677 | 598.824 | 0.147 |
| 50 | 50 | 600.176 | 600.697 | 0.521 |
| 50 | 51 | 600.301 | 600.323 | 0.022 |
| 50 | 52 | 598.553 | 599.199 | 0.646 |
| 50 | 53 | 599.677 | 599.698 | 0.021 |
| 50 | 54 | 600.426 | 600.198 | -0.228 |
| 55 | 55 | 600.926 | 599.698 | -1.228 |
| 55 | 56 | 600.926 | 600.697 | -0.229 |
| 55 | 57 | 601.176 | 600.572 | -0.604 |
| 55 | 58 | 600.301 | 600.572 | 0.271 |
| 55 | 59 | 601.176 | 600.947 | -0.229 |
| 100 | 60 | 599.677 | 600.572 | 0.895 |
| 100 | 61 | 599.926 | 600.198 | 0.272 |
| 100 | 62 | 601.300 | 601.322 | 0.022 |
| 100 | 63 | 601.550 | 600.947 | -0.603 |
| 100 | 64 | 598.927 | 598.574 | -0.353 |
| 105 | 65 | 599.552 | 600.447 | 0.895 |
| 105 | 66 | 599.427 | 600.572 | 1.145 |
| 105 | 67 | 601.425 | 601.072 | -0.353 |
| 105 | 68 | 601.675 | 600.572 | -1.103 |
| 105 | 69 | 599.926 | 600.073 | 0.147 |
| | Max | 602.425 | 601.946 | 1.145 |
| | Average | 600.572 | 600.358 | -0.214 |
| | Min | 598.553 | 598.574 | -2.102 |
| | Std Dev | 0.884 | 0.712 | 0.633 |




| | 13.5_VTH_SENSE2_RISI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.698 | 599.823 | 599.823 | 599.074 | #### | 599.948 | #### | #### | 599.698 | #### | 600.073 |
| Average | 600.239 | 600.622 | 600.647 | 600.448 | #### | 600.672 | #### | #### | 600.497 | #### | 600.547 |
| Max | 600.697 | 601.197 | 601.447 | 601.946 | #### | 601.696 | #### | #### | 600.947 | #### | 601.072 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

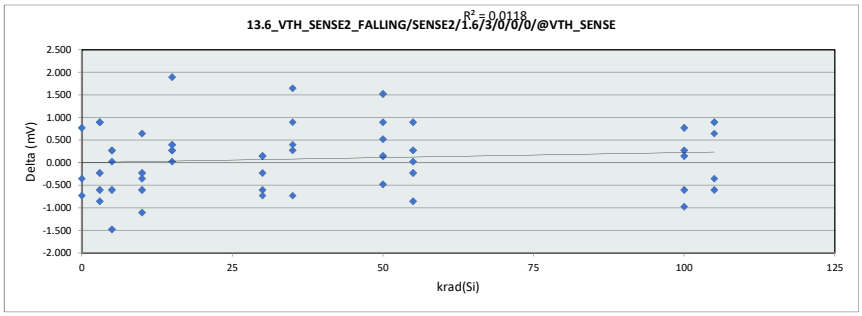


# TID HDR Report
# TPS7H3014-SP

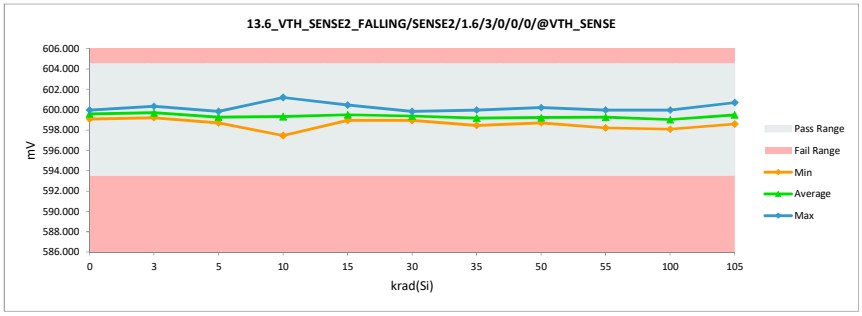
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.6_VTH_SENSE2_FALLIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.304 | 599.951 | -0.353 |
| 0 | 14 | 599.804 | 599.077 | -0.727 |
| 0 | 15 | 598.930 | 599.701 | 0.771 |
| 3 | 20 | 600.054 | 599.826 | -0.228 |
| 3 | 21 | 600.054 | 599.202 | -0.852 |
| 3 | 22 | 598.930 | 599.826 | 0.896 |
| 3 | 23 | 599.929 | 599.327 | -0.602 |
| 3 | 24 | 599.429 | 600.326 | 0.897 |
| 5 | 25 | 599.180 | 599.451 | 0.271 |
| 5 | 26 | 599.804 | 599.826 | 0.022 |
| 5 | 27 | 599.180 | 599.451 | 0.271 |
| 5 | 28 | 599.305 | 598.702 | -0.603 |
| 5 | 29 | 600.429 | 598.952 | -1.477 |
| 10 | 30 | 599.804 | 599.451 | -0.353 |
| 10 | 31 | 600.554 | 599.451 | -1.103 |
| 10 | 32 | 599.305 | 599.077 | -0.228 |
| 10 | 33 | 598.055 | 597.453 | -0.602 |
| 10 | 34 | 600.554 | 601.200 | 0.646 |
| 15 | 35 | 597.056 | 598.952 | 1.896 |
| 15 | 36 | 598.930 | 598.952 | 0.022 |
| 15 | 37 | 599.180 | 599.576 | 0.396 |
| 15 | 38 | 599.305 | 599.576 | 0.271 |
| 15 | 39 | 600.179 | 600.450 | 0.271 |
| 30 | 40 | 600.054 | 599.327 | -0.727 |
| 30 | 41 | 599.554 | 598.952 | -0.602 |
| 30 | 42 | 600.054 | 599.826 | -0.228 |
| 30 | 43 | 599.554 | 599.701 | 0.147 |
| 30 | 44 | 598.930 | 599.077 | 0.147 |
| 35 | 45 | 598.305 | 598.702 | 0.397 |
| 35 | 46 | 599.429 | 599.701 | 0.272 |
| 35 | 47 | 599.679 | 598.952 | -0.727 |
| 35 | 48 | 598.305 | 599.951 | 1.646 |
| 35 | 49 | 597.556 | 598.452 | 0.896 |
| 50 | 50 | 599.055 | 599.202 | 0.147 |
| 50 | 51 | 597.931 | 598.827 | 0.896 |
| 50 | 52 | 597.681 | 599.202 | 1.521 |
| 50 | 53 | 599.679 | 600.201 | 0.522 |
| 50 | 54 | 599.180 | 598.702 | -0.478 |
| 55 | 55 | 600.179 | 599.327 | -0.852 |
| 55 | 56 | 598.805 | 599.077 | 0.272 |
| 55 | 57 | 599.929 | 599.951 | 0.022 |
| 55 | 58 | 598.430 | 598.203 | -0.227 |
| 55 | 59 | 598.805 | 599.701 | 0.896 |
| 100 | 60 | 599.180 | 598.203 | -0.977 |
| 100 | 61 | 598.555 | 599.327 | 0.772 |
| 100 | 62 | 599.804 | 599.951 | 0.147 |
| 100 | 63 | 600.179 | 599.576 | -0.603 |
| 100 | 64 | 597.806 | 598.078 | 0.272 |
| 105 | 65 | 598.680 | 599.576 | 0.896 |
| 105 | 66 | 598.930 | 598.577 | -0.353 |
| 105 | 67 | 599.804 | 600.700 | 0.896 |
| 105 | 68 | 599.679 | 599.077 | -0.602 |
| 105 | 69 | 598.805 | 599.451 | 0.646 |
| | Max | 600.554 | 601.200 | 1.896 |
| | Average | 599.260 | 599.345 | 0.086 |
| | Min | 597.056 | 597.453 | -1.477 |
| | Std Dev | 0.811 | 0.669 | 0.726 |




| | 13.6_VTH_SENSE2_FALLI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.077 | 599.202 | 598.702 | 597.453 | #### | 598.952 | #### | #### | 598.203 | #### | 598.577 |
| Average | 599.576 | 599.701 | 599.276 | 599.326 | #### | 599.377 | #### | #### | 599.252 | #### | 599.476 |
| Max | 599.951 | 600.326 | 599.826 | 601.200 | #### | 599.826 | #### | #### | 599.951 | #### | 600.700 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

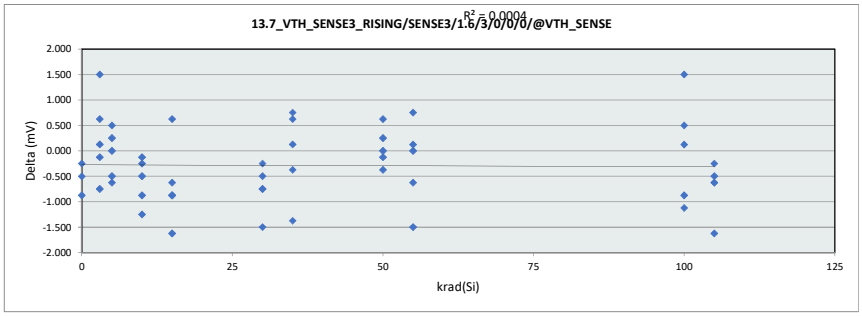


# TID HDR Report
# TPS7H3014-SP

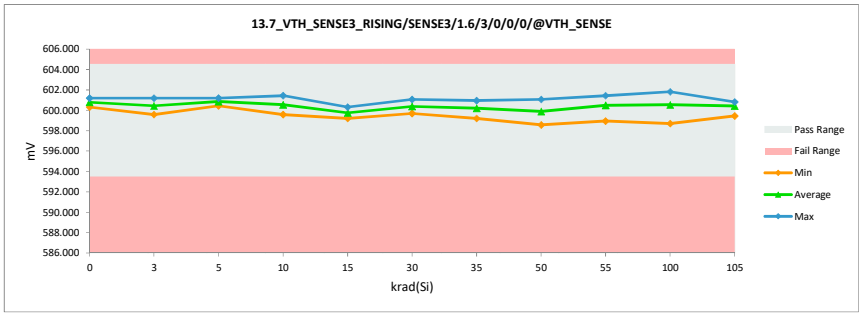
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.7_VTH_SENSE3_RISING | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.694 | 601.196 | -0.498 |
| 0 | 14 | 601.069 | 600.822 | -0.247 |
| 0 | 15 | 601.194 | 600.322 | -0.872 |
| 3 | 20 | 600.569 | 601.196 | 0.627 |
| 3 | 21 | 600.569 | 599.822 | -0.747 |
| 3 | 22 | 599.570 | 601.071 | 1.501 |
| 3 | 23 | 599.695 | 599.573 | -0.122 |
| 3 | 24 | 600.444 | 600.572 | 0.128 |
| 5 | 25 | 600.944 | 600.447 | -0.497 |
| 5 | 26 | 601.444 | 600.822 | -0.622 |
| 5 | 27 | 601.194 | 601.196 | 0.002 |
| 5 | 28 | 600.320 | 600.822 | 0.502 |
| 5 | 29 | 600.819 | 601.071 | 0.252 |
| 10 | 30 | 601.194 | 601.071 | -0.123 |
| 10 | 31 | 601.194 | 599.947 | -1.247 |
| 10 | 32 | 600.444 | 599.573 | -0.871 |
| 10 | 33 | 600.944 | 600.697 | -0.247 |
| 10 | 34 | 601.943 | 601.446 | -0.497 |
| 15 | 35 | 599.820 | 599.198 | -0.622 |
| 15 | 36 | 600.944 | 599.323 | -1.621 |
| 15 | 37 | 599.445 | 600.072 | 0.627 |
| 15 | 38 | 600.694 | 599.822 | -0.872 |
| 15 | 39 | 601.194 | 600.322 | -0.872 |
| 30 | 40 | 601.319 | 601.071 | -0.248 |
| 30 | 41 | 601.194 | 599.698 | -1.496 |
| 30 | 42 | 601.319 | 600.572 | -0.747 |
| 30 | 43 | 600.694 | 599.947 | -0.747 |
| 30 | 44 | 601.069 | 600.572 | -0.497 |
| 35 | 45 | 600.944 | 599.573 | -1.371 |
| 35 | 46 | 599.820 | 600.572 | 0.752 |
| 35 | 47 | 600.320 | 600.946 | 0.626 |
| 35 | 48 | 601.069 | 600.697 | -0.372 |
| 35 | 49 | 599.070 | 599.198 | 0.128 |
| 50 | 50 | 601.069 | 601.071 | 0.002 |
| 50 | 51 | 599.820 | 599.448 | -0.372 |
| 50 | 52 | 599.945 | 600.572 | 0.627 |
| 50 | 53 | 599.570 | 599.822 | 0.252 |
| 50 | 54 | 598.696 | 598.574 | -0.122 |
| 55 | 55 | 602.068 | 600.572 | -1.496 |
| 55 | 56 | 600.944 | 601.071 | 0.127 |
| 55 | 57 | 600.444 | 600.447 | 0.003 |
| 55 | 58 | 599.570 | 598.948 | -0.622 |
| 55 | 59 | 600.694 | 601.446 | 0.752 |
| 100 | 60 | 600.320 | 601.821 | 1.501 |
| 100 | 61 | 600.819 | 599.698 | -1.121 |
| 100 | 62 | 600.819 | 600.946 | 0.127 |
| 100 | 63 | 601.069 | 601.571 | 0.502 |
| 100 | 64 | 599.570 | 598.698 | -0.872 |
| 105 | 65 | 601.319 | 600.822 | -0.497 |
| 105 | 66 | 600.944 | 600.697 | -0.247 |
| 105 | 67 | 601.069 | 599.448 | -1.621 |
| 105 | 68 | 601.319 | 600.697 | -0.622 |
| 105 | 69 | 601.069 | 600.447 | -0.622 |
| | Max | 602.068 | 601.821 | 1.501 |
| | Average | 600.666 | 600.379 | -0.287 |
| | Min | 598.696 | 598.574 | -1.621 |
| | Std Dev | 0.723 | 0.769 | 0.723 |




| | 13.7_VTH_SENSE3_RISI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.322 | 599.573 | 600.447 | 599.573 | #### | 599.698 | #### | #### | 598.948 | #### | 599.448 |
| Average | 600.780 | 600.447 | 600.872 | 600.547 | #### | 600.372 | #### | #### | 600.497 | #### | 600.422 |
| Max | 601.196 | 601.196 | 601.196 | 601.446 | #### | 601.071 | #### | #### | 601.446 | #### | 600.822 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

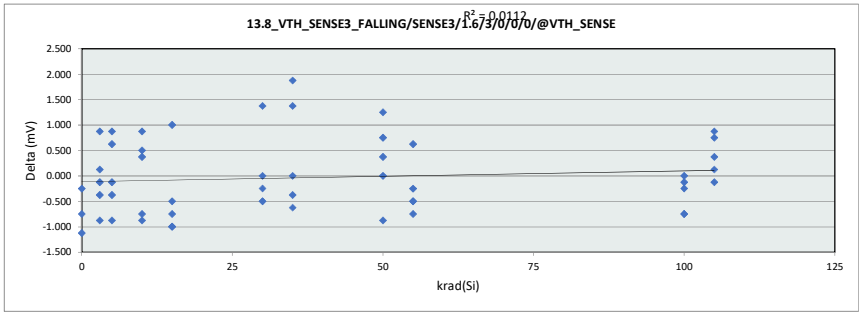


# TID HDR Report
# TPS7H3014-SP

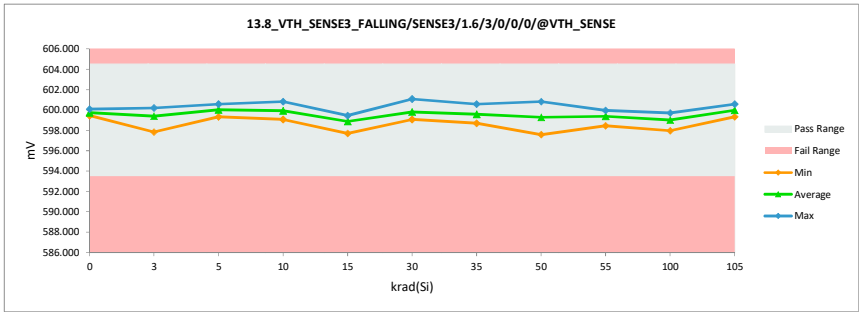
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.8_VTH_SENSE3_FALLIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.821 | 600.075 | -0.746 |
| 0 | 14 | 600.572 | 599.451 | -1.121 |
| 0 | 15 | 599.947 | 599.700 | -0.247 |
| 3 | 20 | 600.322 | 599.451 | -0.871 |
| 3 | 21 | 599.322 | 600.200 | 0.878 |
| 3 | 22 | 599.822 | 599.451 | -0.371 |
| 3 | 23 | 597.948 | 597.827 | -0.121 |
| 3 | 24 | 599.947 | 600.075 | 0.128 |
| 5 | 25 | 599.073 | 599.700 | 0.627 |
| 5 | 26 | 599.697 | 600.575 | 0.878 |
| 5 | 27 | 600.447 | 600.325 | -0.122 |
| 5 | 28 | 599.697 | 599.326 | -0.371 |
| 5 | 29 | 601.071 | 600.200 | -0.871 |
| 10 | 30 | 600.447 | 600.824 | 0.377 |
| 10 | 31 | 598.823 | 599.700 | 0.877 |
| 10 | 32 | 599.822 | 599.076 | -0.746 |
| 10 | 33 | 598.948 | 599.451 | 0.503 |
| 10 | 34 | 601.446 | 600.575 | -0.871 |
| 15 | 35 | 598.698 | 597.702 | -0.996 |
| 15 | 36 | 599.447 | 598.452 | -0.995 |
| 15 | 37 | 598.448 | 599.451 | 1.003 |
| 15 | 38 | 600.072 | 599.326 | -0.746 |
| 15 | 39 | 599.947 | 599.451 | -0.496 |
| 30 | 40 | 599.697 | 601.074 | 1.377 |
| 30 | 41 | 599.572 | 599.076 | -0.496 |
| 30 | 42 | 600.197 | 599.700 | -0.497 |
| 30 | 43 | 599.572 | 599.576 | 0.004 |
| 30 | 44 | 599.822 | 599.576 | -0.246 |
| 35 | 45 | 600.197 | 599.576 | -0.621 |
| 35 | 46 | 598.698 | 600.575 | 1.877 |
| 35 | 47 | 599.322 | 598.951 | -0.371 |
| 35 | 48 | 600.072 | 600.075 | 0.003 |
| 35 | 49 | 597.324 | 598.701 | 1.377 |
| 50 | 50 | 600.072 | 600.824 | 0.752 |
| 50 | 51 | 598.448 | 598.826 | 0.378 |
| 50 | 52 | 598.323 | 599.576 | 1.253 |
| 50 | 53 | 599.572 | 599.576 | 0.004 |
| 50 | 54 | 598.448 | 597.577 | -0.871 |
| 55 | 55 | 599.322 | 598.826 | -0.496 |
| 55 | 56 | 600.072 | 599.825 | -0.247 |
| 55 | 57 | 599.322 | 599.950 | 0.628 |
| 55 | 58 | 599.197 | 598.452 | -0.745 |
| 55 | 59 | 600.322 | 599.825 | -0.497 |
| 100 | 60 | 599.822 | 599.700 | -0.122 |
| 100 | 61 | 598.448 | 598.452 | 0.004 |
| 100 | 62 | 600.322 | 599.576 | -0.746 |
| 100 | 63 | 600.197 | 599.451 | -0.746 |
| 100 | 64 | 598.198 | 597.952 | -0.246 |
| 105 | 65 | 599.697 | 600.575 | 0.878 |
| 105 | 66 | 598.698 | 599.451 | 0.753 |
| 105 | 67 | 600.322 | 600.450 | 0.128 |
| 105 | 68 | 600.197 | 600.075 | -0.122 |
| 105 | 69 | 598.948 | 599.326 | 0.378 |
| | Max | 601.446 | 601.074 | 1.877 |
| | Average | 599.570 | 599.538 | -0.032 |
| | Min | 597.324 | 597.577 | -1.121 |
| | Std Dev | 0.831 | 0.794 | 0.727 |




| | 13.8_VTH_SENSE3_FALLI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.451 | 597.827 | 599.326 | 599.076 | #### | 599.076 | #### | #### | 598.452 | #### | 599.326 |
| Average | 599.742 | 599.401 | 600.025 | 599.925 | #### | 599.800 | #### | #### | 599.376 | #### | 599.975 |
| Max | 600.075 | 600.200 | 600.575 | 600.824 | #### | 601.074 | #### | #### | 599.950 | #### | 600.575 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

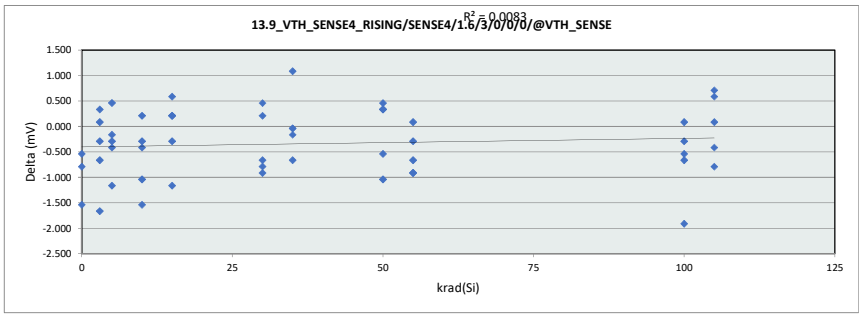


# TID HDR Report
# TPS7H3014-SP

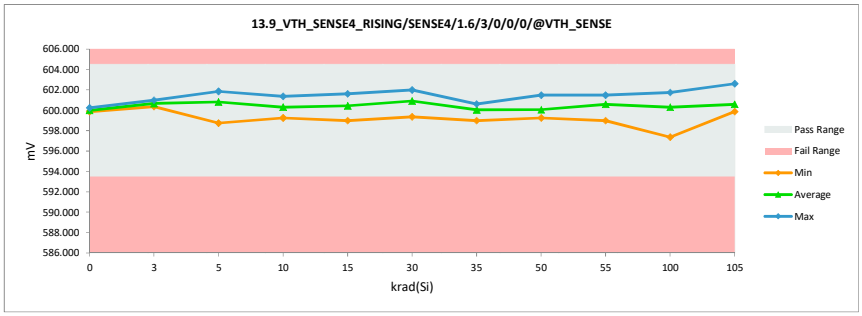
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.9_VTH_SENSE4_RISING | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.655 | 599.866 | -0.789 |
| 0 | 14 | 600.780 | 600.241 | -0.539 |
| 0 | 15 | 601.404 | 599.866 | -1.538 |
| 3 | 20 | 601.279 | 600.616 | -0.663 |
| 3 | 21 | 600.655 | 600.990 | 0.335 |
| 3 | 22 | 602.154 | 600.491 | -1.663 |
| 3 | 23 | 600.780 | 600.865 | 0.085 |
| 3 | 24 | 600.655 | 600.366 | -0.289 |
| 5 | 25 | 599.905 | 598.742 | -1.163 |
| 5 | 26 | 601.279 | 601.115 | -0.164 |
| 5 | 27 | 601.279 | 601.740 | 0.461 |
| 5 | 28 | 600.905 | 600.616 | -0.289 |
| 5 | 29 | 602.279 | 601.864 | -0.415 |
| 10 | 30 | 600.905 | 599.866 | -1.039 |
| 10 | 31 | 601.030 | 600.740 | -0.290 |
| 10 | 32 | 600.155 | 600.366 | 0.211 |
| 10 | 33 | 600.780 | 599.242 | -1.538 |
| 10 | 34 | 601.779 | 601.365 | -0.414 |
| 15 | 35 | 600.155 | 598.992 | -1.163 |
| 15 | 36 | 599.281 | 598.992 | -0.289 |
| 15 | 37 | 601.030 | 601.240 | 0.210 |
| 15 | 38 | 600.780 | 601.365 | 0.585 |
| 15 | 39 | 601.404 | 601.615 | 0.211 |
| 30 | 40 | 601.529 | 601.989 | 0.460 |
| 30 | 41 | 601.404 | 600.616 | -0.788 |
| 30 | 42 | 601.654 | 600.740 | -0.914 |
| 30 | 43 | 600.030 | 599.367 | -0.663 |
| 30 | 44 | 601.654 | 601.864 | 0.210 |
| 35 | 45 | 598.906 | 599.991 | 1.085 |
| 35 | 46 | 600.030 | 599.991 | -0.039 |
| 35 | 47 | 601.279 | 600.616 | -0.663 |
| 35 | 48 | 600.655 | 600.616 | -0.039 |
| 35 | 49 | 599.156 | 598.992 | -0.164 |
| 50 | 50 | 601.030 | 601.490 | 0.460 |
| 50 | 51 | 599.531 | 599.866 | 0.335 |
| 50 | 52 | 598.906 | 599.242 | 0.336 |
| 50 | 53 | 600.280 | 599.741 | -0.539 |
| 50 | 54 | 601.030 | 599.991 | -1.039 |
| 55 | 55 | 601.779 | 600.865 | -0.914 |
| 55 | 56 | 601.404 | 601.490 | 0.086 |
| 55 | 57 | 601.654 | 601.365 | -0.289 |
| 55 | 58 | 599.905 | 598.992 | -0.913 |
| 55 | 59 | 600.905 | 600.241 | -0.664 |
| 100 | 60 | 600.530 | 600.241 | -0.289 |
| 100 | 61 | 600.905 | 600.990 | 0.085 |
| 100 | 62 | 602.404 | 601.740 | -0.664 |
| 100 | 63 | 601.779 | 601.240 | -0.539 |
| 100 | 64 | 599.281 | 597.368 | -1.913 |
| 105 | 65 | 600.155 | 600.241 | 0.086 |
| 105 | 66 | 599.156 | 599.866 | 0.710 |
| 105 | 67 | 601.155 | 600.366 | -0.789 |
| 105 | 68 | 602.029 | 602.614 | 0.585 |
| 105 | 69 | 600.280 | 599.866 | -0.414 |
| | Max | 602.404 | 602.614 | 1.085 |
| | Average | 600.787 | 600.448 | -0.339 |
| | Min | 598.906 | 597.368 | -1.913 |
| | Std Dev | 0.877 | 0.997 | 0.651 |




| | 13.9_VTH_SENSE4_RISI | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.866 | 600.366 | 598.742 | 599.242 | #### | 599.367 | #### | #### | 598.992 | #### | 599.866 |
| Average | 599.991 | 600.666 | 600.815 | 600.316 | #### | 600.915 | #### | #### | 600.591 | #### | 600.591 |
| Max | 600.241 | 600.990 | 601.864 | 601.365 | #### | 601.989 | #### | #### | 601.490 | #### | 602.614 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

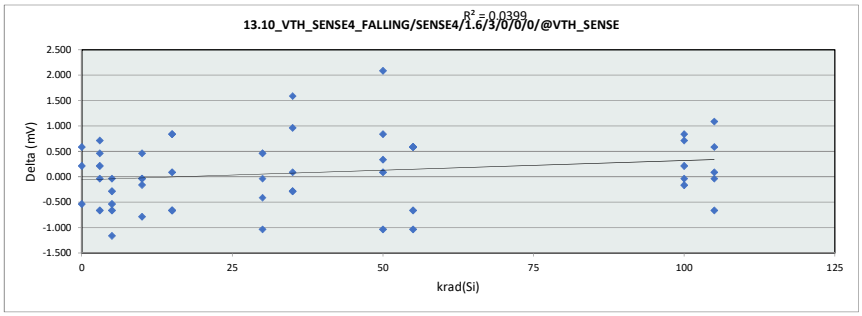


# TID HDR Report
# TPS7H3014-SP

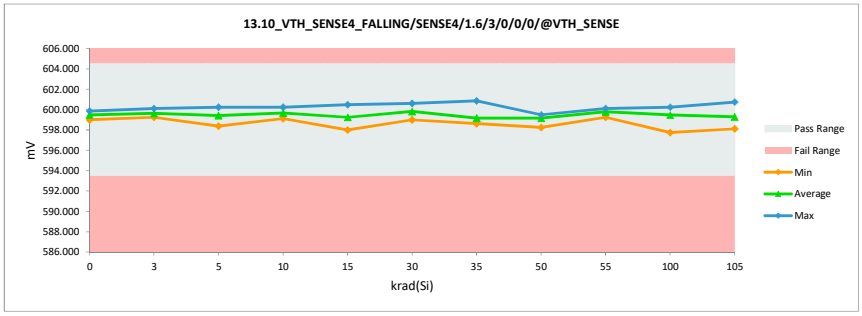
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.10_VTH_SENSE4_FALLI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.157 | 599.619 | -0.538 |
| 0 | 14 | 599.283 | 599.869 | 0.586 |
| 0 | 15 | 598.783 | 598.995 | 0.212 |
| 3 | 20 | 599.658 | 600.119 | 0.461 |
| 3 | 21 | 598.658 | 599.369 | 0.711 |
| 3 | 22 | 599.658 | 599.869 | 0.211 |
| 3 | 23 | 600.282 | 599.619 | -0.663 |
| 3 | 24 | 599.283 | 599.244 | -0.039 |
| 5 | 25 | 598.409 | 598.370 | -0.039 |
| 5 | 26 | 600.907 | 600.244 | -0.663 |
| 5 | 27 | 600.907 | 599.744 | -1.163 |
| 5 | 28 | 599.533 | 598.995 | -0.538 |
| 5 | 29 | 600.032 | 599.744 | -0.288 |
| 10 | 30 | 599.908 | 599.869 | -0.039 |
| 10 | 31 | 599.658 | 599.619 | -0.039 |
| 10 | 32 | 600.282 | 599.494 | -0.788 |
| 10 | 33 | 599.283 | 599.120 | -0.163 |
| 10 | 34 | 599.783 | 600.244 | 0.461 |
| 15 | 35 | 598.658 | 597.995 | -0.663 |
| 15 | 36 | 597.909 | 597.995 | 0.086 |
| 15 | 37 | 599.408 | 600.244 | 0.836 |
| 15 | 38 | 599.658 | 600.493 | 0.835 |
| 15 | 39 | 600.157 | 599.494 | -0.663 |
| 30 | 40 | 600.532 | 600.119 | -0.413 |
| 30 | 41 | 600.032 | 598.995 | -1.037 |
| 30 | 42 | 599.783 | 599.744 | -0.039 |
| 30 | 43 | 599.158 | 599.619 | 0.461 |
| 30 | 44 | 600.157 | 600.618 | 0.461 |
| 35 | 45 | 598.908 | 598.620 | -0.288 |
| 35 | 46 | 599.283 | 598.995 | -0.288 |
| 35 | 47 | 599.283 | 600.868 | 1.585 |
| 35 | 48 | 598.533 | 598.620 | 0.087 |
| 35 | 49 | 597.784 | 598.745 | 0.961 |
| 50 | 50 | 599.283 | 599.369 | 0.086 |
| 50 | 51 | 599.283 | 598.245 | -1.038 |
| 50 | 52 | 597.409 | 599.494 | 2.085 |
| 50 | 53 | 598.533 | 599.369 | 0.836 |
| 50 | 54 | 599.033 | 599.369 | 0.336 |
| 55 | 55 | 600.407 | 599.744 | -0.663 |
| 55 | 56 | 601.157 | 600.119 | -1.038 |
| 55 | 57 | 599.533 | 600.119 | 0.586 |
| 55 | 58 | 598.658 | 599.244 | 0.586 |
| 55 | 59 | 599.158 | 599.744 | 0.586 |
| 100 | 60 | 598.783 | 599.494 | 0.711 |
| 100 | 61 | 600.032 | 600.244 | 0.212 |
| 100 | 62 | 600.157 | 600.119 | -0.038 |
| 100 | 63 | 599.908 | 599.744 | -0.164 |
| 100 | 64 | 596.910 | 597.746 | 0.836 |
| 105 | 65 | 598.034 | 598.620 | 0.586 |
| 105 | 66 | 597.909 | 598.995 | 1.086 |
| 105 | 67 | 600.032 | 599.994 | -0.038 |
| 105 | 68 | 601.407 | 600.743 | -0.664 |
| 105 | 69 | 598.034 | 598.120 | 0.086 |
| | Max | 601.407 | 600.868 | 2.085 |
| | Average | 599.384 | 599.471 | 0.086 |
| | Min | 596.910 | 597.746 | -1.163 |
| | Std Dev | 0.950 | 0.730 | 0.681 |




| | 13.10_VTH_SENSE4_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 598.995 | 599.244 | 598.370 | 599.120 | #### | 598.995 | #### | #### | 599.244 | #### | 598.120 |
| Average | 599.494 | 599.644 | 599.419 | 599.669 | #### | 599.819 | #### | #### | 599.794 | #### | 599.294 |
| Max | 599.869 | 600.119 | 600.244 | 600.244 | #### | 600.618 | #### | #### | 600.119 | #### | 600.743 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

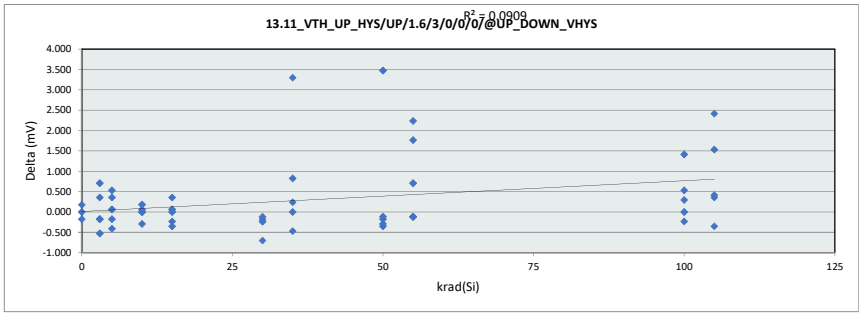


# TID HDR Report
# TPS7H3014-SP

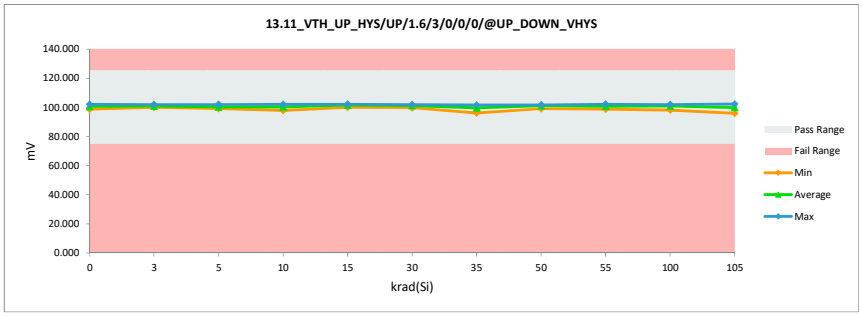
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.11_VTH_UP_HYS/UP/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 150 | 125 |
| Min Limit | 50 | 75 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 102.236 | 102.060 | -0.176 |
| 0 | 14 | 101.118 | 101.294 | 0.176 |
| 0 | 15 | 98.764 | 98.764 | 0.000 |
| 3 | 20 | 102.119 | 101.589 | -0.530 |
| 3 | 21 | 99.706 | 100.412 | 0.706 |
| 3 | 22 | 102.119 | 101.942 | -0.177 |
| 3 | 23 | 99.765 | 100.118 | 0.353 |
| 3 | 24 | 100.530 | 100.354 | -0.176 |
| 5 | 25 | 100.294 | 100.824 | 0.530 |
| 5 | 26 | 99.176 | 99.235 | 0.059 |
| 5 | 27 | 100.177 | 100.530 | 0.353 |
| 5 | 28 | 102.119 | 101.943 | -0.176 |
| 5 | 29 | 99.706 | 99.293 | -0.413 |
| 10 | 30 | 102.060 | 102.060 | 0.000 |
| 10 | 31 | 97.822 | 97.999 | 0.177 |
| 10 | 32 | 102.237 | 101.942 | -0.295 |
| 10 | 33 | 98.706 | 98.764 | 0.058 |
| 10 | 34 | 101.000 | 101.001 | 0.001 |
| 15 | 35 | 102.178 | 102.178 | 0.000 |
| 15 | 36 | 99.705 | 100.059 | 0.354 |
| 15 | 37 | 101.825 | 101.884 | 0.059 |
| 15 | 38 | 102.236 | 102.001 | -0.235 |
| 15 | 39 | 101.943 | 101.590 | -0.353 |
| 30 | 40 | 102.177 | 101.472 | -0.705 |
| 30 | 41 | 101.706 | 101.472 | -0.234 |
| 30 | 42 | 102.060 | 101.883 | -0.177 |
| 30 | 43 | 100.059 | 99.823 | -0.236 |
| 30 | 44 | 101.825 | 101.707 | -0.118 |
| 35 | 45 | 102.060 | 101.589 | -0.471 |
| 35 | 46 | 97.469 | 100.766 | 3.297 |
| 35 | 47 | 97.528 | 98.352 | 0.824 |
| 35 | 48 | 95.939 | 96.174 | 0.235 |
| 35 | 49 | 101.589 | 101.589 | 0.000 |
| 50 | 50 | 102.060 | 101.766 | -0.294 |
| 50 | 51 | 102.060 | 101.707 | -0.353 |
| 50 | 52 | 95.644 | 99.117 | 3.473 |
| 50 | 53 | 101.884 | 101.707 | -0.177 |
| 50 | 54 | 101.353 | 101.236 | -0.117 |
| 55 | 55 | 100.177 | 101.942 | 1.765 |
| 55 | 56 | 96.469 | 98.705 | 2.236 |
| 55 | 57 | 102.296 | 102.178 | -0.118 |
| 55 | 58 | 101.354 | 102.060 | 0.706 |
| 55 | 59 | 99.353 | 99.235 | -0.118 |
| 100 | 60 | 101.706 | 102.001 | 0.295 |
| 100 | 61 | 102.060 | 101.825 | -0.235 |
| 100 | 62 | 99.823 | 101.236 | 1.413 |
| 100 | 63 | 97.705 | 98.234 | 0.529 |
| 100 | 64 | 101.648 | 101.648 | 0.000 |
| 105 | 65 | 95.586 | 95.939 | 0.353 |
| 105 | 66 | 98.999 | 100.529 | 1.530 |
| 105 | 67 | 98.999 | 98.646 | -0.353 |
| 105 | 68 | 99.941 | 102.354 | 2.413 |
| 105 | 69 | 101.413 | 101.824 | 0.411 |
| | Max | 102.296 | 102.354 | 3.473 |
| | Average | 100.386 | 100.690 | 0.303 |
| | Min | 95.586 | 95.939 | -0.705 |
| | Std Dev | 1.915 | 1.558 | 0.895 |




| | 13.11_VTH_UP_HYS/UP/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 125 | mV | | | | | | | | | |
| Min Limit | 75 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 |
| Min | 98.764 | 100.118 | 99.235 | 97.999 | #### | 99.823 | 96.174 | 99.117 | 98.705 | 98.234 | 95.939 |
| Average | 100.706 | 100.883 | 100.365 | 100.353 | #### | 101.271 | 99.694 | #### | 100.824 | #### | 99.858 |
| Max | 102.060 | 101.942 | 101.943 | 102.060 | #### | 101.883 | #### | #### | 102.178 | #### | 102.354 |
| UL | 125.000 | 125.000 | 125.000 | 125.000 | #### | 125.000 | #### | #### | 125.000 | #### | 125.000 |

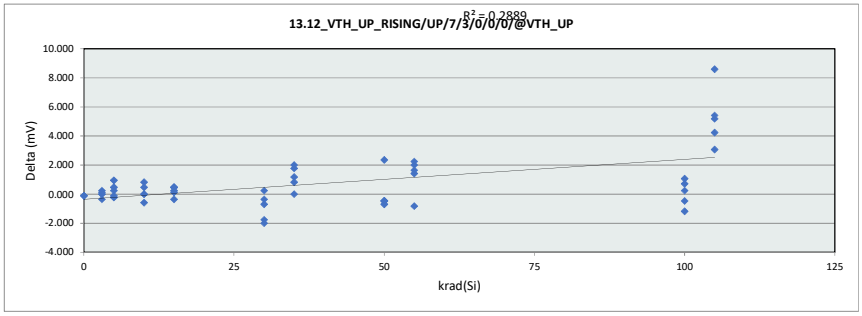


# TID HDR Report
# TPS7H3014-SP

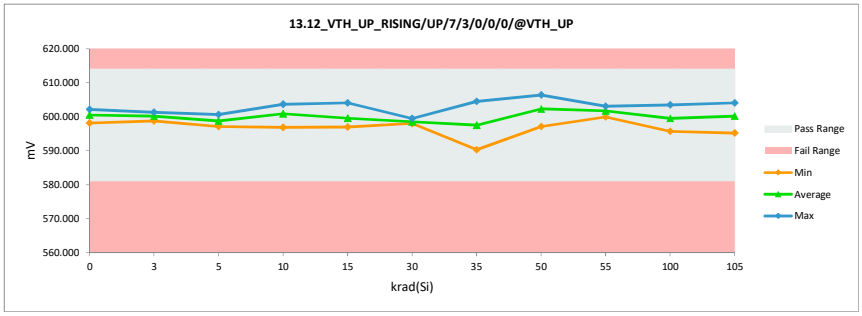
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.12_VTH_UP_RISING/U | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 615 | 614 |
| Min Limit | 580 | 581 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.236 | 601.118 | -0.118 |
| 0 | 14 | 602.295 | 602.178 | -0.117 |
| 0 | 15 | 598.293 | 598.175 | -0.118 |
| 3 | 20 | 601.707 | 601.354 | -0.353 |
| 3 | 21 | 598.529 | 598.764 | 0.235 |
| 3 | 22 | 599.941 | 600.059 | 0.118 |
| 3 | 23 | 599.706 | 599.706 | 0.000 |
| 3 | 24 | 601.001 | 601.001 | 0.000 |
| 5 | 25 | 598.999 | 599.941 | 0.942 |
| 5 | 26 | 596.881 | 597.116 | 0.235 |
| 5 | 27 | 597.116 | 597.587 | 0.471 |
| 5 | 28 | 598.882 | 598.764 | -0.118 |
| 5 | 29 | 600.883 | 600.647 | -0.236 |
| 10 | 30 | 602.884 | 603.708 | 0.824 |
| 10 | 31 | 600.412 | 600.412 | 0.000 |
| 10 | 32 | 600.412 | 600.883 | 0.471 |
| 10 | 33 | 596.881 | 596.881 | 0.000 |
| 10 | 34 | 603.237 | 602.649 | -0.588 |
| 15 | 35 | 597.822 | 598.058 | 0.236 |
| 15 | 36 | 597.351 | 597.822 | 0.471 |
| 15 | 37 | 596.527 | 596.998 | 0.471 |
| 15 | 38 | 603.943 | 604.061 | 0.118 |
| 15 | 39 | 601.354 | 601.001 | -0.353 |
| 30 | 40 | 599.823 | 598.058 | -1.765 |
| 30 | 41 | 598.999 | 598.293 | -0.706 |
| 30 | 42 | 598.999 | 598.646 | -0.353 |
| 30 | 43 | 599.235 | 599.470 | 0.235 |
| 30 | 44 | 600.177 | 598.175 | -2.002 |
| 35 | 45 | 604.532 | 604.532 | 0.000 |
| 35 | 46 | 598.411 | 600.177 | 1.766 |
| 35 | 47 | 594.291 | 595.468 | 1.177 |
| 35 | 48 | 589.464 | 590.288 | 0.824 |
| 35 | 49 | 595.115 | 597.116 | 2.001 |
| 50 | 50 | 604.650 | 604.179 | -0.471 |
| 50 | 51 | 603.943 | 603.237 | -0.706 |
| 50 | 52 | 594.762 | 597.116 | 2.354 |
| 50 | 53 | 606.886 | 606.416 | -0.470 |
| 50 | 54 | 601.118 | 600.647 | -0.471 |
| 55 | 55 | 598.529 | 599.941 | 1.412 |
| 55 | 56 | 599.470 | 601.118 | 1.648 |
| 55 | 57 | 603.473 | 602.649 | -0.824 |
| 55 | 58 | 599.706 | 601.707 | 2.001 |
| 55 | 59 | 600.883 | 603.119 | 2.236 |
| 100 | 60 | 599.235 | 598.058 | -1.177 |
| 100 | 61 | 603.943 | 603.473 | -0.470 |
| 100 | 62 | 594.997 | 595.703 | 0.706 |
| 100 | 63 | 598.999 | 599.235 | 0.236 |
| 100 | 64 | 600.177 | 601.236 | 1.059 |
| 105 | 65 | 594.997 | 599.235 | 4.238 |
| 105 | 66 | 595.232 | 600.647 | 5.415 |
| 105 | 67 | 590.053 | 595.232 | 5.179 |
| 105 | 68 | 595.468 | 604.061 | 8.593 |
| 105 | 69 | 598.529 | 601.589 | 3.060 |
| | Max | 606.886 | 606.416 | 8.593 |
| | Average | 599.253 | 599.957 | 0.704 |
| | Min | 589.464 | 590.288 | -2.002 |
| | Std Dev | 3.427 | 2.876 | 1.838 |




| | 13.12_VTH_UP_RISING/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 614 | mV | | | | | | | | | |
| Min Limit | 581 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 581.000 | 581.000 | 581.000 | 581.000 | #### | 581.000 | #### | #### | 581.000 | #### | 581.000 |
| Min | 598.175 | 598.764 | 597.116 | 596.881 | #### | 598.058 | #### | #### | 599.941 | #### | 595.232 |
| Average | 600.490 | 600.177 | 598.811 | 600.907 | #### | 598.528 | #### | #### | 601.707 | #### | 600.153 |
| Max | 602.178 | 601.354 | 600.647 | 603.708 | #### | 599.470 | #### | #### | 603.119 | #### | 604.061 |
| UL | 614.000 | 614.000 | 614.000 | 614.000 | #### | 614.000 | #### | #### | 614.000 | #### | 614.000 |

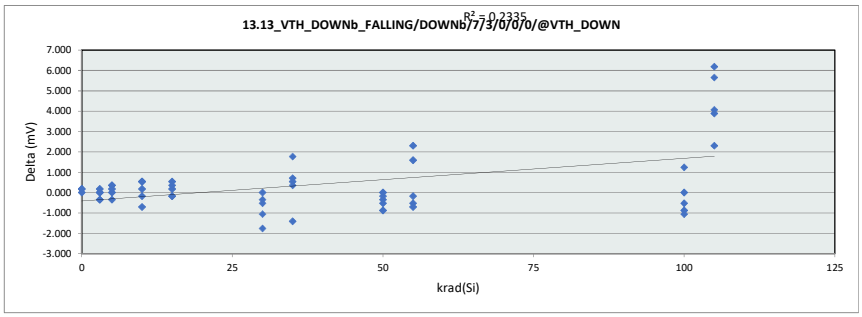


# TID HDR Report
# TPS7H3014-SP

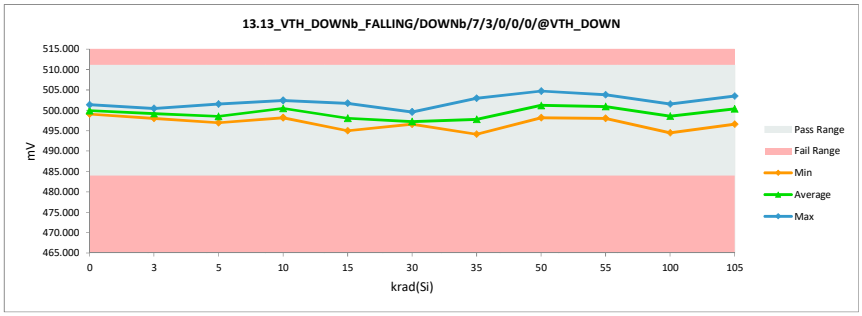
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.13_VTH_DOWNb_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 512 | 511 |
| Min Limit | 483 | 484 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 499.058 | 499.058 | 0.000 |
| 0 | 14 | 501.177 | 501.354 | 0.177 |
| 0 | 15 | 499.235 | 499.411 | 0.176 |
| 3 | 20 | 499.765 | 499.411 | -0.354 |
| 3 | 21 | 498.705 | 498.352 | -0.353 |
| 3 | 22 | 497.822 | 497.999 | 0.177 |
| 3 | 23 | 499.765 | 499.765 | 0.000 |
| 3 | 24 | 500.471 | 500.471 | 0.000 |
| 5 | 25 | 499.058 | 498.705 | -0.353 |
| 5 | 26 | 497.822 | 498.175 | 0.353 |
| 5 | 27 | 496.763 | 497.116 | 0.353 |
| 5 | 28 | 496.939 | 496.939 | 0.000 |
| 5 | 29 | 501.354 | 501.530 | 0.176 |
| 10 | 30 | 501.001 | 501.530 | 0.529 |
| 10 | 31 | 502.590 | 502.413 | -0.177 |
| 10 | 32 | 498.175 | 498.705 | 0.530 |
| 10 | 33 | 497.999 | 498.175 | 0.176 |
| 10 | 34 | 502.237 | 501.530 | -0.707 |
| 15 | 35 | 495.703 | 496.057 | 0.354 |
| 15 | 36 | 497.646 | 498.175 | 0.529 |
| 15 | 37 | 494.820 | 494.997 | 0.177 |
| 15 | 38 | 501.883 | 501.707 | -0.176 |
| 15 | 39 | 499.411 | 499.235 | -0.176 |
| 30 | 40 | 497.646 | 496.586 | -1.060 |
| 30 | 41 | 497.293 | 496.763 | -0.530 |
| 30 | 42 | 496.939 | 496.586 | -0.353 |
| 30 | 43 | 499.588 | 499.588 | 0.000 |
| 30 | 44 | 498.352 | 496.586 | -1.766 |
| 35 | 45 | 502.590 | 502.943 | 0.353 |
| 35 | 46 | 500.824 | 499.411 | -1.413 |
| 35 | 47 | 496.586 | 497.116 | 0.530 |
| 35 | 48 | 493.408 | 494.114 | 0.706 |
| 35 | 49 | 493.584 | 495.350 | 1.766 |
| 50 | 50 | 502.590 | 502.413 | -0.177 |
| 50 | 51 | 501.883 | 501.530 | -0.353 |
| 50 | 52 | 499.058 | 498.175 | -0.883 |
| 50 | 53 | 504.709 | 504.709 | 0.000 |
| 50 | 54 | 499.765 | 499.235 | -0.530 |
| 55 | 55 | 498.175 | 497.999 | -0.176 |
| 55 | 56 | 502.943 | 502.413 | -0.530 |
| 55 | 57 | 501.177 | 500.471 | -0.706 |
| 55 | 58 | 498.175 | 499.765 | 1.590 |
| 55 | 59 | 501.530 | 503.826 | 2.296 |
| 100 | 60 | 497.293 | 496.233 | -1.060 |
| 100 | 61 | 502.060 | 501.530 | -0.530 |
| 100 | 62 | 495.350 | 494.467 | -0.883 |
| 100 | 63 | 501.177 | 501.177 | 0.000 |
| 100 | 64 | 498.175 | 499.411 | 1.236 |
| 105 | 65 | 499.411 | 503.473 | 4.062 |
| 105 | 66 | 496.057 | 499.941 | 3.884 |
| 105 | 67 | 490.936 | 496.586 | 5.650 |
| 105 | 68 | 495.880 | 502.060 | 6.180 |
| 105 | 69 | 497.293 | 499.588 | 2.295 |
| | Max | 504.709 | 504.709 | 6.180 |
| | Average | 498.865 | 499.261 | 0.396 |
| | Min | 490.936 | 494.114 | -1.766 |
| | Std Dev | 2.721 | 2.499 | 1.552 |




| | 13.13_VTH_DOWNb_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 511 | mV | | | | | | | | | |
| Min Limit | 484 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 484.000 | 484.000 | 484.000 | 484.000 | #### | 484.000 | #### | #### | 484.000 | #### | 484.000 |
| Min | 499.058 | 497.999 | 496.939 | 498.175 | #### | 496.586 | #### | #### | 497.999 | #### | 496.586 |
| Average | 499.941 | 499.200 | 498.493 | 500.471 | #### | 497.222 | #### | #### | 500.895 | #### | 500.330 |
| Max | 501.354 | 500.471 | 501.530 | 502.413 | #### | 499.588 | #### | #### | 503.826 | #### | 503.473 |
| UL | 511.000 | 511.000 | 511.000 | 511.000 | #### | 511.000 | #### | #### | 511.000 | #### | 511.000 |

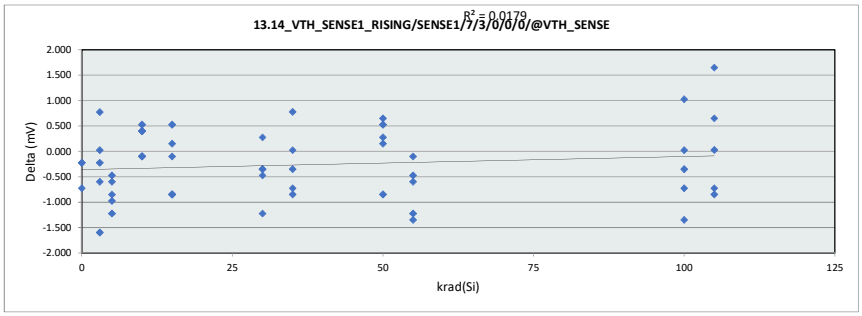


# TID HDR Report
# TPS7H3014-SP

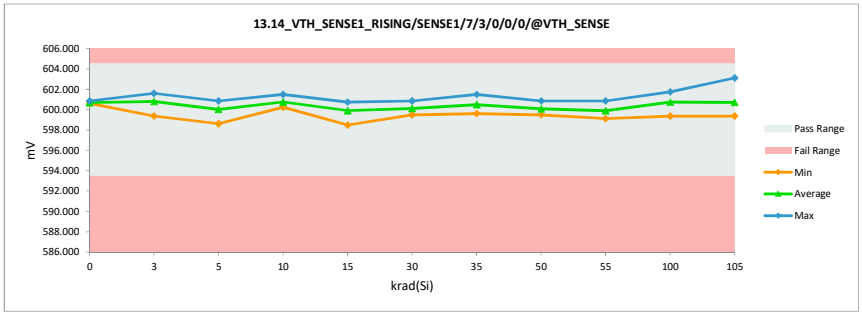
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.14_VTH_SENSE1_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.836 | 600.611 | -0.225 |
| 0 | 14 | 601.086 | 600.861 | -0.225 |
| 0 | 15 | 601.336 | 600.611 | -0.725 |
| 3 | 20 | 601.086 | 600.861 | -0.225 |
| 3 | 21 | 600.836 | 601.610 | 0.774 |
| 3 | 22 | 600.961 | 599.363 | -1.598 |
| 3 | 23 | 601.586 | 601.610 | 0.024 |
| 3 | 24 | 601.211 | 600.611 | -0.600 |
| 5 | 25 | 599.837 | 598.613 | -1.224 |
| 5 | 26 | 601.336 | 600.861 | -0.475 |
| 5 | 27 | 601.586 | 600.611 | -0.975 |
| 5 | 28 | 600.087 | 599.487 | -0.600 |
| 5 | 29 | 601.336 | 600.486 | -0.850 |
| 10 | 30 | 601.086 | 601.486 | 0.400 |
| 10 | 31 | 600.336 | 600.861 | 0.525 |
| 10 | 32 | 600.461 | 600.861 | 0.400 |
| 10 | 33 | 600.336 | 600.237 | -0.099 |
| 10 | 34 | 600.461 | 600.362 | -0.099 |
| 15 | 35 | 599.337 | 598.488 | -0.849 |
| 15 | 36 | 600.711 | 599.862 | -0.849 |
| 15 | 37 | 599.962 | 599.862 | -0.100 |
| 15 | 38 | 600.211 | 600.736 | 0.525 |
| 15 | 39 | 600.461 | 600.611 | 0.150 |
| 30 | 40 | 599.962 | 600.237 | 0.275 |
| 30 | 41 | 599.962 | 599.487 | -0.475 |
| 30 | 42 | 600.461 | 600.112 | -0.349 |
| 30 | 43 | 601.086 | 599.862 | -1.224 |
| 30 | 44 | 601.211 | 600.861 | -0.350 |
| 35 | 45 | 599.587 | 599.612 | 0.025 |
| 35 | 46 | 600.836 | 600.486 | -0.350 |
| 35 | 47 | 602.335 | 601.486 | -0.849 |
| 35 | 48 | 601.461 | 600.736 | -0.725 |
| 35 | 49 | 599.337 | 600.112 | 0.775 |
| 50 | 50 | 600.586 | 600.861 | 0.275 |
| 50 | 51 | 600.711 | 599.862 | -0.849 |
| 50 | 52 | 598.962 | 599.487 | 0.525 |
| 50 | 53 | 599.962 | 600.611 | 0.649 |
| 50 | 54 | 599.462 | 599.612 | 0.150 |
| 55 | 55 | 601.086 | 599.737 | -1.349 |
| 55 | 56 | 601.461 | 600.861 | -0.600 |
| 55 | 57 | 600.336 | 599.113 | -1.223 |
| 55 | 58 | 599.962 | 599.862 | -0.100 |
| 55 | 59 | 600.336 | 599.862 | -0.474 |
| 100 | 60 | 599.962 | 600.986 | 1.024 |
| 100 | 61 | 600.961 | 600.986 | 0.025 |
| 100 | 62 | 602.460 | 601.735 | -0.725 |
| 100 | 63 | 601.960 | 600.611 | -1.349 |
| 100 | 64 | 599.712 | 599.363 | -0.349 |
| 105 | 65 | 600.961 | 600.112 | -0.849 |
| 105 | 66 | 599.337 | 599.363 | 0.026 |
| 105 | 67 | 601.586 | 600.861 | -0.725 |
| 105 | 68 | 601.461 | 603.109 | 1.648 |
| 105 | 69 | 599.462 | 600.112 | 0.650 |
| | Max | 602.460 | 603.109 | 1.648 |
| | Average | 600.631 | 600.371 | -0.260 |
| | Min | 598.962 | 598.488 | -1.598 |
| | Std Dev | 0.799 | 0.827 | 0.680 |




| | 13.14_VTH_SENSE1_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.611 | 599.363 | 598.613 | 600.237 | #### | 599.487 | #### | #### | 599.113 | #### | 599.363 |
| Average | 600.694 | 600.811 | 600.012 | 600.761 | #### | 600.112 | #### | #### | 599.887 | #### | 600.711 |
| Max | 600.861 | 601.610 | 600.861 | 601.486 | #### | 600.861 | #### | #### | 600.861 | #### | 603.109 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

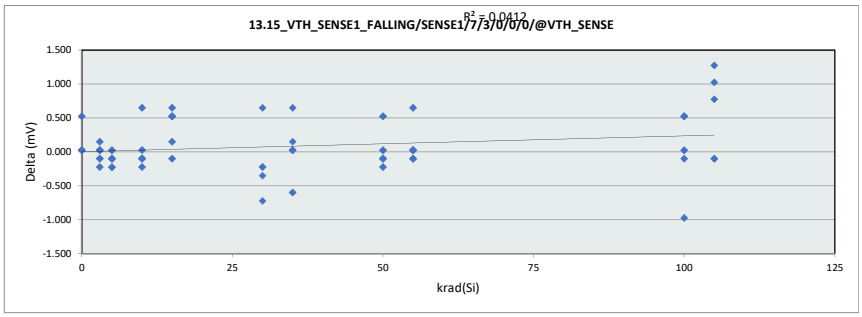


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

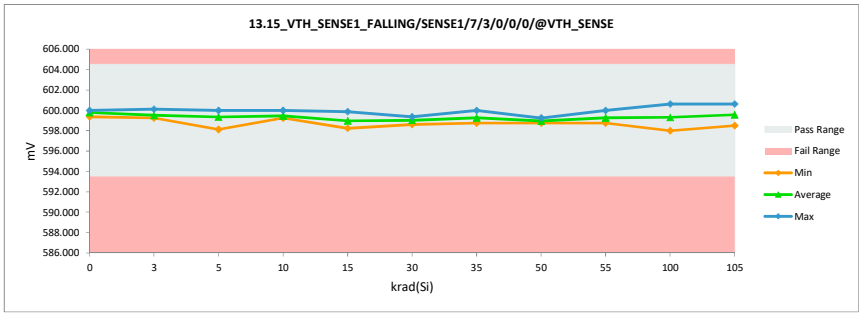
| | 13.15_VTH_SENSE1_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 599.964 | 599.990 | 0.026 |
| 0 | 14 | 599.464 | 599.990 | 0.526 |
| 0 | 15 | 599.339 | 599.366 | 0.027 |
| 3 | 20 | 599.339 | 599.241 | -0.098 |
| 3 | 21 | 599.339 | 599.366 | 0.027 |
| 3 | 22 | 599.589 | 599.366 | -0.223 |
| 3 | 23 | 599.964 | 600.115 | 0.151 |
| 3 | 24 | 599.464 | 599.490 | 0.026 |
| 5 | 25 | 598.215 | 598.117 | -0.098 |
| 5 | 26 | 600.089 | 599.990 | -0.099 |
| 5 | 27 | 599.964 | 599.990 | 0.026 |
| 5 | 28 | 598.840 | 598.616 | -0.224 |
| 5 | 29 | 600.089 | 599.990 | -0.099 |
| 10 | 30 | 599.339 | 599.990 | 0.651 |
| 10 | 31 | 599.464 | 599.366 | -0.098 |
| 10 | 32 | 599.339 | 599.366 | 0.027 |
| 10 | 33 | 599.339 | 599.241 | -0.098 |
| 10 | 34 | 599.464 | 599.241 | -0.223 |
| 15 | 35 | 597.591 | 598.242 | 0.651 |
| 15 | 36 | 598.715 | 598.616 | -0.099 |
| 15 | 37 | 598.090 | 598.616 | 0.526 |
| 15 | 38 | 599.339 | 599.490 | 0.151 |
| 15 | 39 | 599.339 | 599.865 | 0.526 |
| 30 | 40 | 599.589 | 599.366 | -0.223 |
| 30 | 41 | 599.339 | 598.616 | -0.723 |
| 30 | 42 | 598.590 | 599.241 | 0.651 |
| 30 | 43 | 598.965 | 598.616 | -0.349 |
| 30 | 44 | 599.464 | 599.241 | -0.223 |
| 35 | 45 | 598.715 | 598.741 | 0.026 |
| 35 | 46 | 599.339 | 599.490 | 0.151 |
| 35 | 47 | 600.589 | 599.990 | -0.599 |
| 35 | 48 | 599.339 | 599.366 | 0.027 |
| 35 | 49 | 598.090 | 598.741 | 0.651 |
| 50 | 50 | 599.464 | 599.241 | -0.223 |
| 50 | 51 | 598.715 | 598.741 | 0.026 |
| 50 | 52 | 598.215 | 598.741 | 0.526 |
| 50 | 53 | 599.339 | 599.241 | -0.098 |
| 50 | 54 | 598.840 | 598.741 | -0.099 |
| 55 | 55 | 599.339 | 599.366 | 0.027 |
| 55 | 56 | 600.089 | 599.990 | -0.099 |
| 55 | 57 | 598.840 | 598.866 | 0.026 |
| 55 | 58 | 598.840 | 598.741 | -0.099 |
| 55 | 59 | 598.715 | 599.366 | 0.651 |
| 100 | 60 | 598.715 | 598.616 | -0.099 |
| 100 | 61 | 599.464 | 599.490 | 0.026 |
| 100 | 62 | 600.838 | 599.865 | -0.973 |
| 100 | 63 | 600.089 | 600.614 | 0.525 |
| 100 | 64 | 597.466 | 597.992 | 0.526 |
| 105 | 65 | 598.715 | 599.990 | 1.275 |
| 105 | 66 | 597.466 | 598.491 | 1.025 |
| 105 | 67 | 599.964 | 599.865 | -0.099 |
| 105 | 68 | 600.713 | 600.614 | -0.099 |
| 105 | 69 | 598.090 | 598.866 | 0.776 |
| | Max | 600.838 | 600.614 | 1.275 |
| | Average | 599.200 | 599.293 | 0.092 |
| | Min | 597.466 | 597.992 | -0.973 |
| | Std Dev | 0.760 | 0.612 | 0.418 |




| | 13.15_VTH_SENSE1_FAL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 604.5 | mV |
| Min Limit | 593.5 | mV |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.366 | 599.241 | 598.117 | 599.241 | #### | 598.616 | #### | #### | 598.741 | #### | 598.491 |
| Average | 599.782 | 599.516 | 599.341 | 599.441 | #### | 599.016 | #### | #### | 599.266 | #### | 599.565 |
| Max | 599.990 | 600.115 | 599.990 | 599.990 | #### | 599.366 | #### | #### | 599.990 | #### | 600.614 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

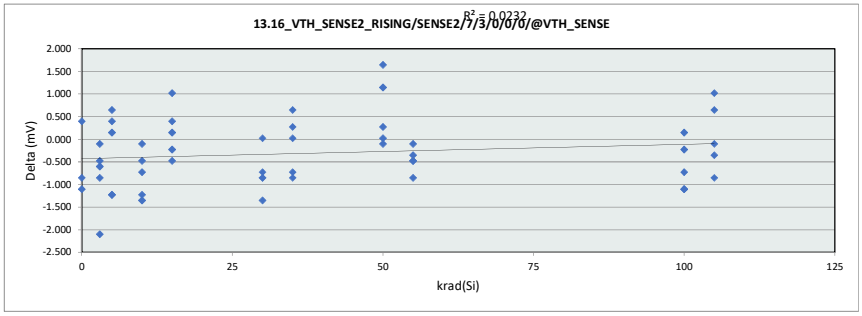


# TID HDR Report
# TPS7H3014-SP

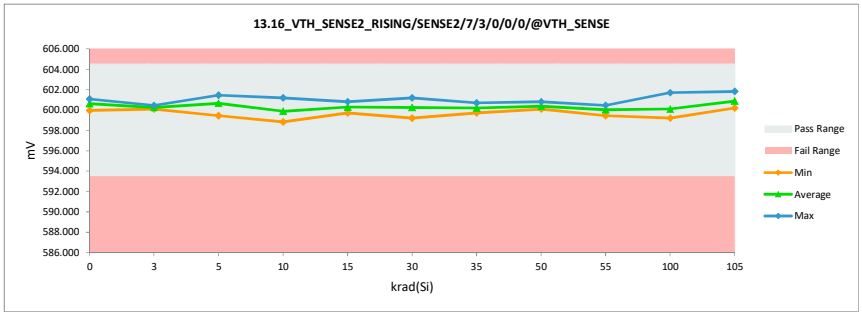
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.16_VTH_SENSE2_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.925 | 601.072 | -0.853 |
| 0 | 14 | 600.426 | 600.822 | 0.396 |
| 0 | 15 | 601.051 | 599.948 | -1.103 |
| 3 | 20 | 600.926 | 600.073 | -0.853 |
| 3 | 21 | 602.300 | 600.198 | -2.102 |
| 3 | 22 | 600.801 | 600.198 | -0.603 |
| 3 | 23 | 600.801 | 600.323 | -0.478 |
| 3 | 24 | 600.551 | 600.447 | -0.104 |
| 5 | 25 | 600.176 | 600.822 | 0.646 |
| 5 | 26 | 601.800 | 600.572 | -1.228 |
| 5 | 27 | 601.300 | 601.447 | 0.147 |
| 5 | 28 | 600.676 | 599.448 | -1.228 |
| 5 | 29 | 600.551 | 600.947 | 0.396 |
| 10 | 30 | 600.301 | 600.198 | -0.103 |
| 10 | 31 | 600.051 | 599.324 | -0.727 |
| 10 | 32 | 601.176 | 599.823 | -1.353 |
| 10 | 33 | 600.051 | 598.824 | -1.227 |
| 10 | 34 | 601.675 | 601.197 | -0.478 |
| 15 | 35 | 599.677 | 599.823 | 0.146 |
| 15 | 36 | 599.427 | 600.447 | 1.020 |
| 15 | 37 | 600.176 | 599.698 | -0.478 |
| 15 | 38 | 600.426 | 600.822 | 0.396 |
| 15 | 39 | 600.926 | 600.697 | -0.229 |
| 30 | 40 | 601.051 | 601.072 | 0.021 |
| 30 | 41 | 600.551 | 599.199 | -1.352 |
| 30 | 42 | 601.925 | 601.197 | -0.728 |
| 30 | 43 | 600.926 | 600.073 | -0.853 |
| 30 | 44 | 600.551 | 599.698 | -0.853 |
| 35 | 45 | 600.176 | 600.447 | 0.271 |
| 35 | 46 | 601.176 | 600.323 | -0.853 |
| 35 | 47 | 600.676 | 600.697 | 0.021 |
| 35 | 48 | 600.551 | 599.823 | -0.728 |
| 35 | 49 | 599.052 | 599.698 | 0.646 |
| 50 | 50 | 600.426 | 600.323 | -0.103 |
| 50 | 51 | 600.051 | 600.073 | 0.022 |
| 50 | 52 | 598.428 | 600.073 | 1.645 |
| 50 | 53 | 599.677 | 600.822 | 1.145 |
| 50 | 54 | 600.301 | 600.572 | 0.271 |
| 55 | 55 | 601.051 | 600.198 | -0.853 |
| 55 | 56 | 600.176 | 599.698 | -0.478 |
| 55 | 57 | 600.801 | 600.447 | -0.354 |
| 55 | 58 | 599.552 | 599.448 | -0.104 |
| 55 | 59 | 600.801 | 600.323 | -0.478 |
| 100 | 60 | 600.301 | 600.073 | -0.228 |
| 100 | 61 | 600.426 | 599.324 | -1.102 |
| 100 | 62 | 601.300 | 600.198 | -1.102 |
| 100 | 63 | 601.550 | 601.696 | 0.146 |
| 100 | 64 | 599.926 | 599.199 | -0.727 |
| 105 | 65 | 600.426 | 601.447 | 1.021 |
| 105 | 66 | 599.552 | 600.198 | 0.646 |
| 105 | 67 | 602.175 | 601.821 | -0.354 |
| 105 | 68 | 601.425 | 600.572 | -0.853 |
| 105 | 69 | 600.426 | 600.323 | -0.103 |
| | Max | 602.300 | 601.821 | 1.645 |
| | Average | 600.615 | 600.306 | -0.309 |
| | Min | 598.428 | 598.824 | -2.102 |
| | Std Dev | 0.769 | 0.656 | 0.738 |




| | 13.16_VTH_SENSE2_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.948 | 600.073 | 599.448 | 598.824 | #### | 599.199 | #### | #### | 599.448 | #### | 600.198 |
| Average | 600.614 | 600.248 | 600.647 | 599.873 | #### | 600.248 | #### | #### | 600.023 | #### | 600.872 |
| Max | 601.072 | 600.447 | 601.447 | 601.197 | #### | 601.197 | #### | #### | 600.447 | #### | 601.821 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

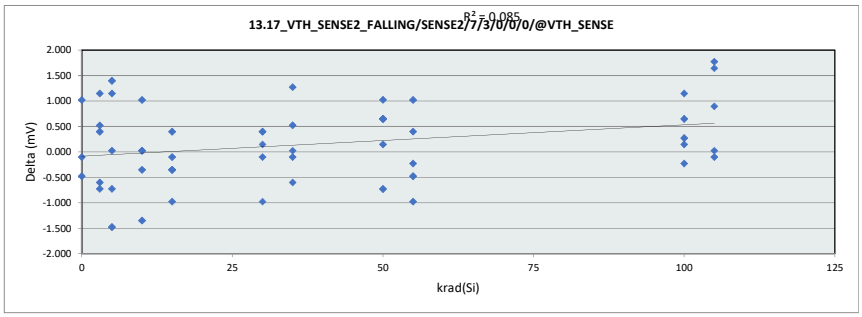


# TID HDR Report
# TPS7H3014-SP

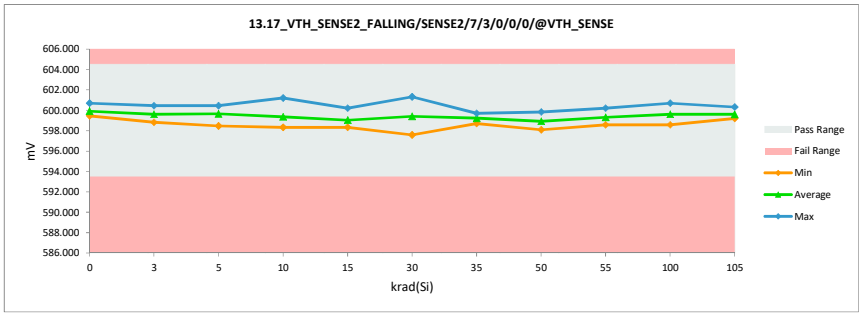
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.17_VTH_SENSE2_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 599.679 | 600.700 | 1.021 |
| 0 | 14 | 599.929 | 599.451 | -0.478 |
| 0 | 15 | 599.679 | 599.576 | -0.103 |
| 3 | 20 | 599.554 | 599.951 | 0.397 |
| 3 | 21 | 599.804 | 599.077 | -0.727 |
| 3 | 22 | 598.680 | 599.826 | 1.146 |
| 3 | 23 | 599.429 | 598.827 | -0.602 |
| 3 | 24 | 599.929 | 600.450 | 0.521 |
| 5 | 25 | 599.929 | 598.452 | -1.477 |
| 5 | 26 | 599.804 | 599.826 | 0.022 |
| 5 | 27 | 599.055 | 600.450 | 1.395 |
| 5 | 28 | 598.430 | 599.576 | 1.146 |
| 5 | 29 | 600.678 | 599.951 | -0.727 |
| 10 | 30 | 599.679 | 599.327 | -0.352 |
| 10 | 31 | 599.929 | 598.577 | -1.352 |
| 10 | 32 | 599.305 | 599.327 | 0.022 |
| 10 | 33 | 597.306 | 598.327 | 1.021 |
| 10 | 34 | 601.178 | 601.200 | 0.022 |
| 15 | 35 | 598.680 | 598.327 | -0.353 |
| 15 | 36 | 599.180 | 599.077 | -0.103 |
| 15 | 37 | 599.180 | 598.827 | -0.353 |
| 15 | 38 | 599.679 | 598.702 | -0.977 |
| 15 | 39 | 599.804 | 600.201 | 0.397 |
| 30 | 40 | 599.554 | 599.951 | 0.397 |
| 30 | 41 | 598.555 | 597.578 | -0.977 |
| 30 | 42 | 600.928 | 601.325 | 0.397 |
| 30 | 43 | 598.930 | 599.077 | 0.147 |
| 30 | 44 | 599.180 | 599.077 | -0.103 |
| 35 | 45 | 599.305 | 598.702 | -0.603 |
| 35 | 46 | 598.805 | 599.327 | 0.522 |
| 35 | 47 | 599.429 | 599.451 | 0.022 |
| 35 | 48 | 599.804 | 599.701 | -0.103 |
| 35 | 49 | 597.681 | 598.952 | 1.271 |
| 50 | 50 | 599.180 | 598.452 | -0.728 |
| 50 | 51 | 598.805 | 598.952 | 0.147 |
| 50 | 52 | 597.056 | 598.078 | 1.022 |
| 50 | 53 | 599.180 | 599.826 | 0.646 |
| 50 | 54 | 598.680 | 599.327 | 0.647 |
| 55 | 55 | 599.554 | 598.577 | -0.977 |
| 55 | 56 | 599.429 | 598.952 | -0.477 |
| 55 | 57 | 599.804 | 599.576 | -0.228 |
| 55 | 58 | 598.805 | 599.202 | 0.397 |
| 55 | 59 | 599.180 | 600.201 | 1.021 |
| 100 | 60 | 599.055 | 599.701 | 0.646 |
| 100 | 61 | 599.305 | 599.451 | 0.146 |
| 100 | 62 | 599.929 | 599.701 | -0.228 |
| 100 | 63 | 599.554 | 600.700 | 1.146 |
| 100 | 64 | 598.305 | 598.577 | 0.272 |
| 105 | 65 | 597.931 | 599.576 | 1.645 |
| 105 | 66 | 597.431 | 599.202 | 1.771 |
| 105 | 67 | 600.304 | 600.326 | 0.022 |
| 105 | 68 | 599.804 | 599.701 | -0.103 |
| 105 | 69 | 598.305 | 599.202 | 0.897 |
| | Max | 601.178 | 601.325 | 1.771 |
| | Average | 599.250 | 599.404 | 0.154 |
| | Min | 597.056 | 597.578 | -1.477 |
| | Std Dev | 0.830 | 0.767 | 0.759 |




| | 13.17_VTH_SENSE2_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.451 | 598.827 | 598.452 | 598.327 | #### | 597.578 | #### | #### | 598.577 | #### | 599.202 |
| Average | 599.909 | 599.626 | 599.651 | 599.352 | #### | 599.402 | #### | #### | 599.302 | #### | 599.601 |
| Max | 600.700 | 600.450 | 600.450 | 601.200 | #### | 601.325 | #### | #### | 600.201 | #### | 600.326 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

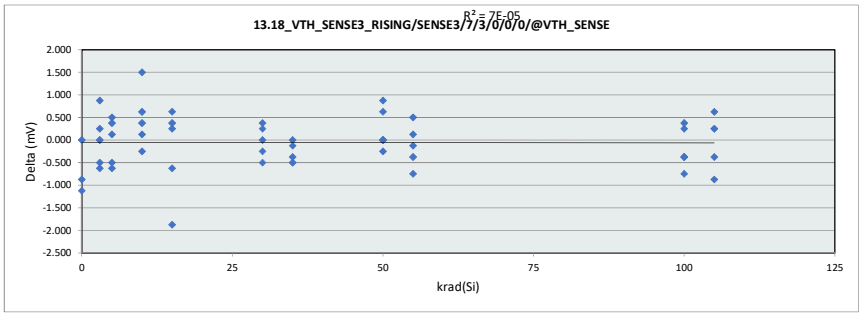


# TID HDR Report
# TPS7H3014-SP

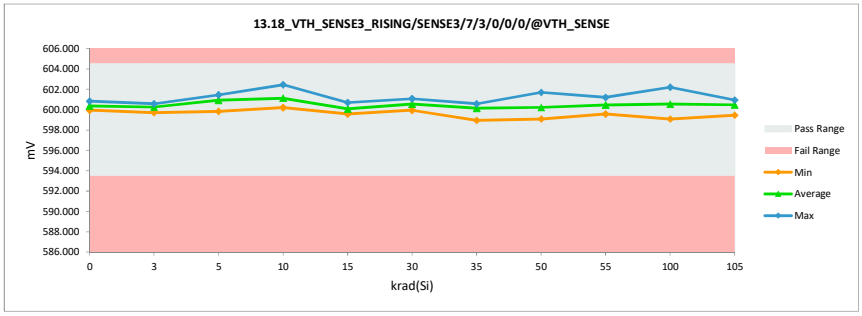
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.18_VTH_SENSE3_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.943 | 600.822 | -1.121 |
| 0 | 14 | 600.320 | 600.322 | 0.002 |
| 0 | 15 | 600.819 | 599.947 | -0.872 |
| 3 | 20 | 600.320 | 600.322 | 0.002 |
| 3 | 21 | 600.819 | 600.322 | -0.497 |
| 3 | 22 | 600.320 | 600.572 | 0.252 |
| 3 | 23 | 598.821 | 599.698 | 0.877 |
| 3 | 24 | 600.944 | 600.322 | -0.622 |
| 5 | 25 | 600.320 | 600.822 | 0.502 |
| 5 | 26 | 600.944 | 601.321 | 0.377 |
| 5 | 27 | 601.319 | 601.446 | 0.127 |
| 5 | 28 | 600.320 | 599.822 | -0.498 |
| 5 | 29 | 601.819 | 601.196 | -0.623 |
| 10 | 30 | 600.320 | 601.821 | 1.501 |
| 10 | 31 | 600.070 | 600.197 | 0.127 |
| 10 | 32 | 600.569 | 600.946 | 0.377 |
| 10 | 33 | 600.444 | 600.197 | -0.247 |
| 10 | 34 | 601.819 | 602.445 | 0.626 |
| 15 | 35 | 599.695 | 600.072 | 0.377 |
| 15 | 36 | 599.570 | 600.197 | 0.627 |
| 15 | 37 | 600.195 | 599.573 | -0.622 |
| 15 | 38 | 600.444 | 600.697 | 0.253 |
| 15 | 39 | 601.694 | 599.822 | -1.872 |
| 30 | 40 | 601.569 | 601.071 | -0.498 |
| 30 | 41 | 600.320 | 600.572 | 0.252 |
| 30 | 42 | 601.069 | 600.822 | -0.247 |
| 30 | 43 | 599.945 | 600.322 | 0.377 |
| 30 | 44 | 599.945 | 599.947 | 0.002 |
| 35 | 45 | 600.569 | 600.447 | -0.122 |
| 35 | 46 | 600.819 | 600.322 | -0.497 |
| 35 | 47 | 600.569 | 600.572 | 0.003 |
| 35 | 48 | 600.819 | 600.447 | -0.372 |
| 35 | 49 | 599.445 | 598.948 | -0.497 |
| 50 | 50 | 601.069 | 601.696 | 0.627 |
| 50 | 51 | 599.070 | 599.073 | 0.003 |
| 50 | 52 | 600.444 | 600.447 | 0.003 |
| 50 | 53 | 600.694 | 600.447 | -0.247 |
| 50 | 54 | 598.571 | 599.448 | 0.877 |
| 55 | 55 | 600.694 | 601.196 | 0.502 |
| 55 | 56 | 601.444 | 601.071 | -0.373 |
| 55 | 57 | 599.695 | 599.573 | -0.122 |
| 55 | 58 | 600.444 | 599.698 | -0.746 |
| 55 | 59 | 600.569 | 600.697 | 0.128 |
| 100 | 60 | 600.819 | 600.447 | -0.372 |
| 100 | 61 | 600.320 | 599.573 | -0.747 |
| 100 | 62 | 601.069 | 601.446 | 0.377 |
| 100 | 63 | 601.943 | 602.195 | 0.252 |
| 100 | 64 | 599.445 | 599.073 | -0.372 |
| 105 | 65 | 600.694 | 600.946 | 0.252 |
| 105 | 66 | 599.945 | 600.197 | 0.252 |
| 105 | 67 | 600.320 | 600.946 | 0.626 |
| 105 | 68 | 601.194 | 600.822 | -0.372 |
| 105 | 69 | 600.320 | 599.448 | -0.872 |
| | Max | 601.943 | 602.445 | 1.501 |
| | Average | 600.522 | 600.468 | -0.054 |
| | Min | 598.571 | 598.948 | -1.872 |
| | Std Dev | 0.744 | 0.757 | 0.581 |




| | 13.18_VTH_SENSE3_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.947 | 599.698 | 599.822 | 600.197 | #### | 599.947 | #### | #### | 599.573 | #### | 599.448 |
| Average | 600.364 | 600.247 | 600.921 | 601.121 | #### | 600.547 | #### | #### | 600.447 | #### | 600.472 |
| Max | 600.822 | 600.572 | 601.446 | 602.445 | #### | 601.071 | #### | #### | 601.196 | #### | 600.946 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

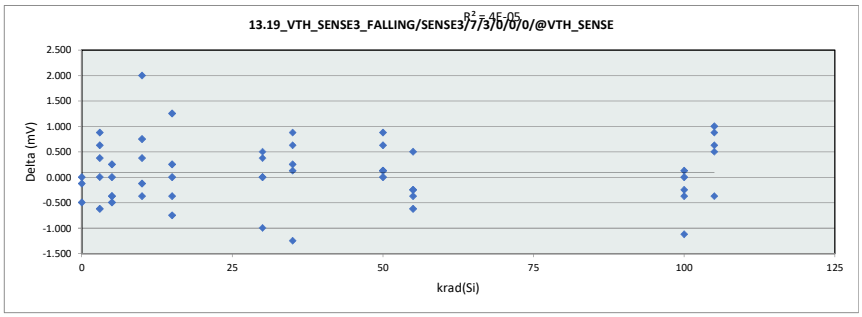


# TID HDR Report
# TPS7H3014-SP

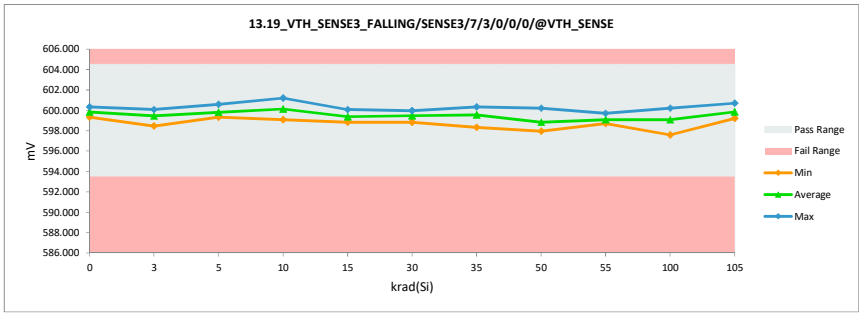
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.19_VTH_SENSE3_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.447 | 600.325 | -0.122 |
| 0 | 14 | 599.822 | 599.825 | 0.003 |
| 0 | 15 | 599.822 | 599.326 | -0.496 |
| 3 | 20 | 599.073 | 599.950 | 0.877 |
| 3 | 21 | 599.697 | 599.076 | -0.621 |
| 3 | 22 | 599.322 | 599.700 | 0.378 |
| 3 | 23 | 598.448 | 598.452 | 0.004 |
| 3 | 24 | 599.447 | 600.075 | 0.628 |
| 5 | 25 | 599.822 | 599.326 | -0.496 |
| 5 | 26 | 600.072 | 599.700 | -0.372 |
| 5 | 27 | 599.822 | 600.075 | 0.253 |
| 5 | 28 | 599.697 | 599.326 | -0.371 |
| 5 | 29 | 600.572 | 600.575 | 0.003 |
| 10 | 30 | 599.073 | 601.074 | 2.001 |
| 10 | 31 | 599.073 | 599.825 | 0.752 |
| 10 | 32 | 599.447 | 599.076 | -0.371 |
| 10 | 33 | 599.572 | 599.451 | -0.121 |
| 10 | 34 | 600.821 | 601.199 | 0.378 |
| 15 | 35 | 597.823 | 599.076 | 1.253 |
| 15 | 36 | 598.823 | 598.826 | 0.003 |
| 15 | 37 | 599.822 | 599.451 | -0.371 |
| 15 | 38 | 600.197 | 599.451 | -0.746 |
| 15 | 39 | 599.822 | 600.075 | 0.253 |
| 30 | 40 | 599.822 | 599.825 | 0.003 |
| 30 | 41 | 599.822 | 598.826 | -0.996 |
| 30 | 42 | 599.572 | 599.950 | 0.378 |
| 30 | 43 | 599.073 | 599.076 | 0.003 |
| 30 | 44 | 599.197 | 599.700 | 0.503 |
| 35 | 45 | 600.447 | 599.201 | -1.246 |
| 35 | 46 | 599.697 | 600.325 | 0.628 |
| 35 | 47 | 599.447 | 599.700 | 0.253 |
| 35 | 48 | 600.072 | 600.200 | 0.128 |
| 35 | 49 | 597.449 | 598.327 | 0.878 |
| 50 | 50 | 599.572 | 600.200 | 0.628 |
| 50 | 51 | 598.698 | 598.826 | 0.128 |
| 50 | 52 | 598.073 | 598.202 | 0.129 |
| 50 | 53 | 598.948 | 598.951 | 0.003 |
| 50 | 54 | 597.074 | 597.952 | 0.878 |
| 55 | 55 | 598.948 | 598.701 | -0.247 |
| 55 | 56 | 599.822 | 599.201 | -0.621 |
| 55 | 57 | 599.322 | 598.951 | -0.371 |
| 55 | 58 | 598.323 | 598.826 | 0.503 |
| 55 | 59 | 599.947 | 599.700 | -0.247 |
| 100 | 60 | 599.447 | 599.576 | 0.129 |
| 100 | 61 | 599.322 | 598.202 | -1.120 |
| 100 | 62 | 600.197 | 599.825 | -0.372 |
| 100 | 63 | 600.197 | 600.200 | 0.003 |
| 100 | 64 | 597.823 | 597.577 | -0.246 |
| 105 | 65 | 599.447 | 599.950 | 0.503 |
| 105 | 66 | 598.448 | 599.451 | 1.003 |
| 105 | 67 | 600.322 | 599.950 | -0.372 |
| 105 | 68 | 599.822 | 600.700 | 0.878 |
| 105 | 69 | 598.573 | 599.201 | 0.628 |
| | Max | 600.821 | 601.199 | 2.001 |
| | Average | 599.386 | 599.481 | 0.095 |
| | Min | 597.074 | 597.577 | -1.246 |
| | Std Dev | 0.797 | 0.750 | 0.613 |




| | 13.19_VTH_SENSE3_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.326 | 598.452 | 599.326 | 599.076 | #### | 598.826 | #### | #### | 598.701 | #### | 599.201 |
| Average | 599.825 | 599.451 | 599.800 | 600.125 | #### | 599.475 | #### | #### | 599.076 | #### | 599.850 |
| Max | 600.325 | 600.075 | 600.575 | 601.199 | #### | 599.950 | #### | #### | 599.700 | #### | 600.700 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

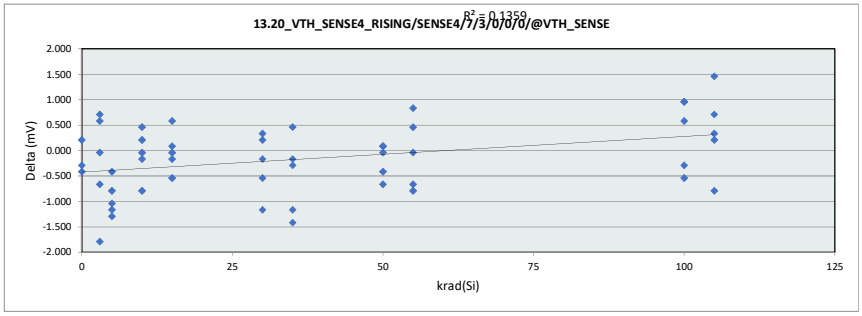


# TID HDR Report
# TPS7H3014-SP

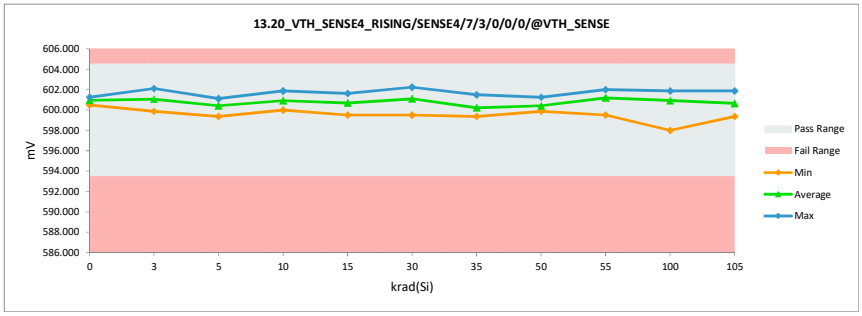
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.20_VTH_SENSE4_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.529 | 601.115 | -0.414 |
| 0 | 14 | 601.030 | 601.240 | 0.210 |
| 0 | 15 | 600.780 | 600.491 | -0.289 |
| 3 | 20 | 601.529 | 602.114 | 0.585 |
| 3 | 21 | 600.780 | 601.490 | 0.710 |
| 3 | 22 | 601.404 | 601.365 | -0.039 |
| 3 | 23 | 601.654 | 599.866 | -1.788 |
| 3 | 24 | 601.155 | 600.491 | -0.664 |
| 5 | 25 | 600.405 | 599.367 | -1.038 |
| 5 | 26 | 602.029 | 600.740 | -1.289 |
| 5 | 27 | 601.155 | 600.740 | -0.415 |
| 5 | 28 | 600.905 | 600.116 | -0.789 |
| 5 | 29 | 602.279 | 601.115 | -1.164 |
| 10 | 30 | 600.780 | 599.991 | -0.789 |
| 10 | 31 | 601.904 | 601.864 | -0.040 |
| 10 | 32 | 601.279 | 601.115 | -0.164 |
| 10 | 33 | 599.780 | 600.241 | 0.461 |
| 10 | 34 | 601.155 | 601.365 | 0.210 |
| 15 | 35 | 600.405 | 600.990 | 0.585 |
| 15 | 36 | 599.531 | 599.491 | -0.040 |
| 15 | 37 | 600.905 | 600.366 | -0.539 |
| 15 | 38 | 601.155 | 600.990 | -0.165 |
| 15 | 39 | 601.529 | 601.615 | 0.086 |
| 30 | 40 | 602.404 | 602.239 | -0.165 |
| 30 | 41 | 601.030 | 600.491 | -0.539 |
| 30 | 42 | 600.780 | 601.115 | 0.335 |
| 30 | 43 | 600.655 | 599.491 | -1.164 |
| 30 | 44 | 601.904 | 602.114 | 0.210 |
| 35 | 45 | 600.905 | 599.741 | -1.164 |
| 35 | 46 | 600.905 | 599.491 | -1.414 |
| 35 | 47 | 601.654 | 601.490 | -0.164 |
| 35 | 48 | 601.279 | 600.990 | -0.289 |
| 35 | 49 | 598.906 | 599.367 | 0.461 |
| 50 | 50 | 601.155 | 601.240 | 0.085 |
| 50 | 51 | 600.780 | 600.116 | -0.664 |
| 50 | 52 | 599.905 | 599.866 | -0.039 |
| 50 | 53 | 600.530 | 600.616 | 0.086 |
| 50 | 54 | 600.655 | 600.241 | -0.414 |
| 55 | 55 | 601.155 | 601.989 | 0.834 |
| 55 | 56 | 602.154 | 601.490 | -0.664 |
| 55 | 57 | 600.905 | 601.365 | 0.460 |
| 55 | 58 | 600.280 | 599.491 | -0.789 |
| 55 | 59 | 601.654 | 601.615 | -0.039 |
| 100 | 60 | 600.905 | 601.490 | 0.585 |
| 100 | 61 | 600.530 | 601.490 | 0.960 |
| 100 | 62 | 600.905 | 601.864 | 0.959 |
| 100 | 63 | 602.154 | 601.864 | -0.290 |
| 100 | 64 | 598.531 | 597.993 | -0.538 |
| 105 | 65 | 599.905 | 600.616 | 0.711 |
| 105 | 66 | 598.781 | 600.241 | 1.460 |
| 105 | 67 | 600.905 | 601.115 | 0.210 |
| 105 | 68 | 602.654 | 601.864 | -0.790 |
| 105 | 69 | 599.031 | 599.367 | 0.336 |
| | Max | 602.654 | 602.239 | 1.460 |
| | Average | 600.924 | 600.769 | -0.155 |
| | Min | 598.531 | 597.993 | -1.788 |
| | Std Dev | 0.894 | 0.919 | 0.680 |




| | 13.20_VTH_SENSE4_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.491 | 599.866 | 599.367 | 599.991 | #### | 599.491 | #### | #### | 599.491 | #### | 599.367 |
| Average | 600.949 | 601.065 | 600.416 | 600.915 | #### | 601.090 | #### | #### | 601.190 | #### | 600.641 |
| Max | 601.240 | 602.114 | 601.115 | 601.864 | #### | 602.239 | #### | #### | 601.989 | #### | 601.864 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

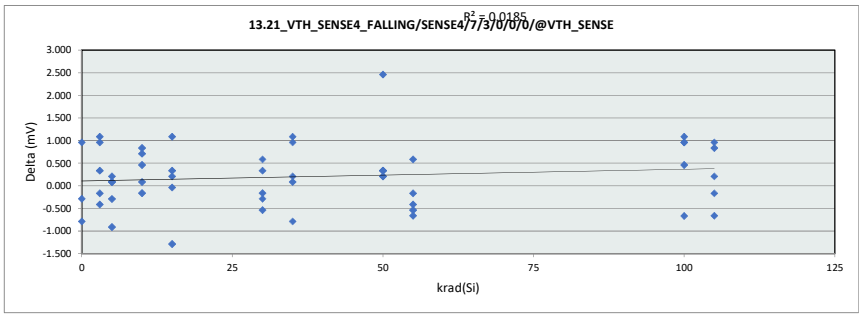


# TID HDR Report
# TPS7H3014-SP

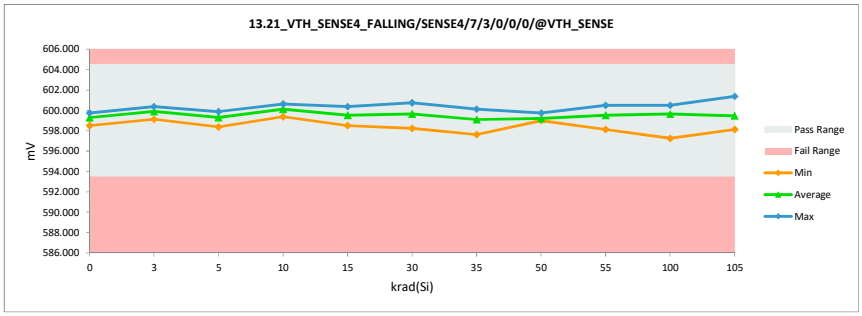
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.21_VTH_SENSE4_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 598.658 | 599.619 | 0.961 |
| 0 | 14 | 600.032 | 599.744 | -0.288 |
| 0 | 15 | 599.283 | 598.495 | -0.788 |
| 3 | 20 | 599.033 | 599.994 | 0.961 |
| 3 | 21 | 599.283 | 600.368 | 1.085 |
| 3 | 22 | 600.032 | 600.368 | 0.336 |
| 3 | 23 | 599.533 | 599.120 | -0.413 |
| 3 | 24 | 599.783 | 599.619 | -0.164 |
| 5 | 25 | 598.284 | 598.370 | 0.086 |
| 5 | 26 | 599.658 | 599.869 | 0.211 |
| 5 | 27 | 599.533 | 599.244 | -0.289 |
| 5 | 28 | 599.158 | 599.244 | 0.086 |
| 5 | 29 | 600.657 | 599.744 | -0.913 |
| 10 | 30 | 599.533 | 599.994 | 0.461 |
| 10 | 31 | 600.407 | 600.244 | -0.163 |
| 10 | 32 | 599.533 | 600.368 | 0.835 |
| 10 | 33 | 599.283 | 599.369 | 0.086 |
| 10 | 34 | 599.908 | 600.618 | 0.710 |
| 15 | 35 | 598.908 | 599.244 | 0.336 |
| 15 | 36 | 598.533 | 598.495 | -0.038 |
| 15 | 37 | 598.783 | 599.869 | 1.086 |
| 15 | 38 | 600.157 | 600.368 | 0.211 |
| 15 | 39 | 600.907 | 599.619 | -1.288 |
| 30 | 40 | 600.407 | 600.743 | 0.336 |
| 30 | 41 | 599.158 | 598.995 | -0.163 |
| 30 | 42 | 599.658 | 600.244 | 0.586 |
| 30 | 43 | 598.533 | 598.245 | -0.288 |
| 30 | 44 | 600.532 | 599.994 | -0.538 |
| 35 | 45 | 599.033 | 599.120 | 0.087 |
| 35 | 46 | 599.033 | 599.244 | 0.211 |
| 35 | 47 | 599.158 | 600.119 | 0.961 |
| 35 | 48 | 600.157 | 599.369 | -0.788 |
| 35 | 49 | 596.535 | 597.621 | 1.086 |
| 50 | 50 | 598.783 | 598.995 | 0.212 |
| 50 | 51 | 598.658 | 598.995 | 0.337 |
| 50 | 52 | 597.284 | 599.744 | 2.460 |
| 50 | 53 | 598.783 | 599.120 | 0.337 |
| 50 | 54 | 598.908 | 599.120 | 0.212 |
| 55 | 55 | 600.407 | 599.994 | -0.413 |
| 55 | 56 | 600.657 | 600.493 | -0.164 |
| 55 | 57 | 600.157 | 599.494 | -0.663 |
| 55 | 58 | 598.658 | 598.120 | -0.538 |
| 55 | 59 | 598.908 | 599.494 | 0.586 |
| 100 | 60 | 599.158 | 599.619 | 0.461 |
| 100 | 61 | 599.408 | 600.493 | 1.085 |
| 100 | 62 | 599.533 | 600.493 | 0.960 |
| 100 | 63 | 601.032 | 600.368 | -0.664 |
| 100 | 64 | 596.285 | 597.246 | 0.961 |
| 105 | 65 | 598.533 | 599.494 | 0.961 |
| 105 | 66 | 598.284 | 598.120 | -0.164 |
| 105 | 67 | 600.407 | 599.744 | -0.663 |
| 105 | 68 | 600.532 | 601.368 | 0.836 |
| 105 | 69 | 598.409 | 598.620 | 0.211 |
| | Max | 601.032 | 601.368 | 2.460 |
| | Average | 599.318 | 599.525 | 0.207 |
| | Min | 596.285 | 597.246 | -1.288 |
| | Std Dev | 0.979 | 0.829 | 0.683 |




| | 13.21_VTH_SENSE4_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 598.495 | 599.120 | 598.370 | 599.369 | #### | 598.245 | #### | #### | 598.120 | #### | 598.120 |
| Average | 599.286 | 599.894 | 599.294 | 600.119 | #### | 599.644 | #### | #### | 599.519 | #### | 599.469 |
| Max | 599.744 | 600.368 | 599.869 | 600.618 | #### | 600.743 | #### | #### | 600.493 | #### | 601.368 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

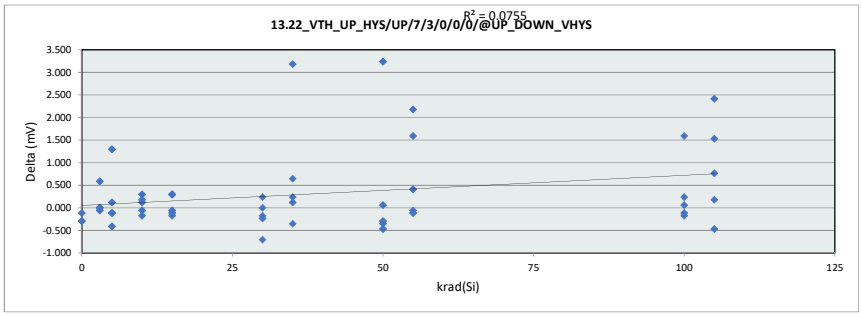


# TID HDR Report
# TPS7H3014-SP

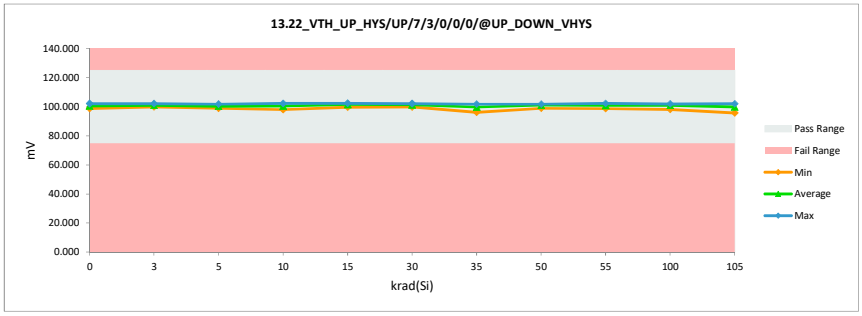
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.22_VTH_UP_HYS/UP/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 150 | 125 |
| Min Limit | 50 | 75 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 102.178 | 102.060 | -0.118 |
| 0 | 14 | 101.118 | 100.824 | -0.294 |
| 0 | 15 | 99.058 | 98.764 | -0.294 |
| 3 | 20 | 101.942 | 101.943 | 0.001 |
| 3 | 21 | 99.824 | 100.412 | 0.588 |
| 3 | 22 | 102.119 | 102.060 | -0.059 |
| 3 | 23 | 99.941 | 99.941 | 0.000 |
| 3 | 24 | 100.530 | 100.530 | 0.000 |
| 5 | 25 | 99.941 | 101.236 | 1.295 |
| 5 | 26 | 99.059 | 98.941 | -0.118 |
| 5 | 27 | 100.353 | 100.471 | 0.118 |
| 5 | 28 | 101.943 | 101.825 | -0.118 |
| 5 | 29 | 99.529 | 99.117 | -0.412 |
| 10 | 30 | 101.883 | 102.178 | 0.295 |
| 10 | 31 | 97.822 | 97.999 | 0.177 |
| 10 | 32 | 102.237 | 102.178 | -0.059 |
| 10 | 33 | 98.882 | 98.706 | -0.176 |
| 10 | 34 | 101.000 | 101.119 | 0.119 |
| 15 | 35 | 102.119 | 102.001 | -0.118 |
| 15 | 36 | 99.705 | 99.647 | -0.058 |
| 15 | 37 | 101.707 | 102.001 | 0.294 |
| 15 | 38 | 102.060 | 102.354 | 0.294 |
| 15 | 39 | 101.943 | 101.766 | -0.177 |
| 30 | 40 | 102.177 | 101.472 | -0.705 |
| 30 | 41 | 101.706 | 101.530 | -0.176 |
| 30 | 42 | 102.060 | 102.060 | 0.000 |
| 30 | 43 | 99.647 | 99.882 | 0.235 |
| 30 | 44 | 101.825 | 101.589 | -0.236 |
| 35 | 45 | 101.942 | 101.589 | -0.353 |
| 35 | 46 | 97.587 | 100.766 | 3.179 |
| 35 | 47 | 97.705 | 98.352 | 0.647 |
| 35 | 48 | 96.056 | 96.174 | 0.118 |
| 35 | 49 | 101.531 | 101.766 | 0.235 |
| 50 | 50 | 102.060 | 101.766 | -0.294 |
| 50 | 51 | 102.060 | 101.707 | -0.353 |
| 50 | 52 | 95.704 | 98.941 | 3.237 |
| 50 | 53 | 102.177 | 101.707 | -0.470 |
| 50 | 54 | 101.353 | 101.412 | 0.059 |
| 55 | 55 | 100.354 | 101.942 | 1.588 |
| 55 | 56 | 96.527 | 98.705 | 2.178 |
| 55 | 57 | 102.296 | 102.178 | -0.118 |
| 55 | 58 | 101.531 | 101.942 | 0.411 |
| 55 | 59 | 99.353 | 99.293 | -0.060 |
| 100 | 60 | 101.942 | 101.825 | -0.117 |
| 100 | 61 | 101.883 | 101.943 | 0.060 |
| 100 | 62 | 99.647 | 101.236 | 1.589 |
| 100 | 63 | 97.822 | 98.058 | 0.236 |
| 100 | 64 | 102.002 | 101.825 | -0.177 |
| 105 | 65 | 95.586 | 95.762 | 0.176 |
| 105 | 66 | 99.175 | 100.706 | 1.531 |
| 105 | 67 | 99.117 | 98.646 | -0.471 |
| 105 | 68 | 99.588 | 102.001 | 2.413 |
| 105 | 69 | 101.236 | 102.001 | 0.765 |
| | Max | 102.296 | 102.354 | 3.237 |
| | Average | 100.388 | 100.695 | 0.308 |
| | Min | 95.586 | 95.762 | -0.705 |
| | Std Dev | 1.882 | 1.611 | 0.868 |




| | 13.22_VTH_UP_HYS/UP/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 125 | mV | | | | | | | | | |
| Min Limit | 75 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 |
| Min | 98.764 | 99.941 | 98.941 | 97.999 | 99.647 | 99.882 | 96.174 | 98.941 | 98.705 | 98.058 | 95.762 |
| Average | 100.549 | 100.977 | 100.318 | 100.436 | #### | 101.307 | 99.729 | #### | 100.812 | #### | 99.823 |
| Max | 102.060 | 102.060 | 101.825 | 102.178 | #### | 102.060 | #### | #### | 102.178 | #### | 102.001 |
| UL | 125.000 | 125.000 | 125.000 | 125.000 | #### | 125.000 | #### | #### | 125.000 | #### | 125.000 |

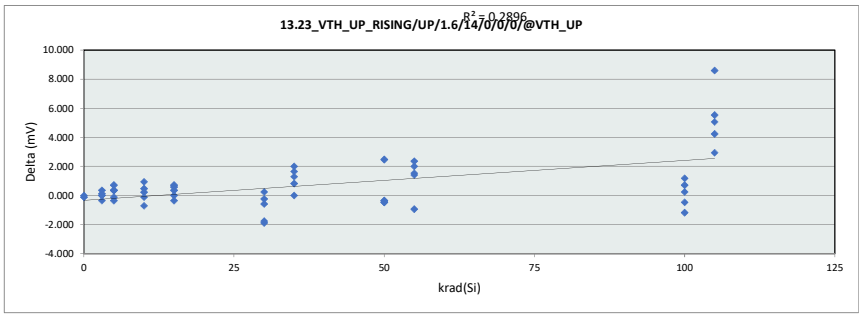


# TID HDR Report
# TPS7H3014-SP

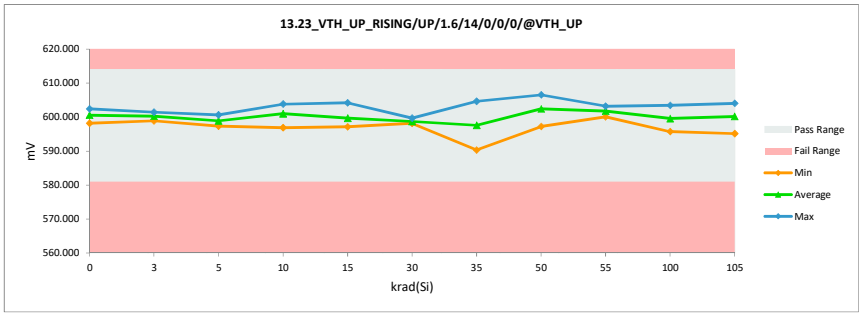
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.23_VTH_UP_RISING/U | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 615 | 614 |
| Min Limit | 580 | 581 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.236 | 601.118 | -0.118 |
| 0 | 14 | 602.413 | 602.413 | 0.000 |
| 0 | 15 | 598.293 | 598.175 | -0.118 |
| 3 | 20 | 601.825 | 601.471 | -0.354 |
| 3 | 21 | 598.529 | 598.882 | 0.353 |
| 3 | 22 | 599.941 | 600.059 | 0.118 |
| 3 | 23 | 599.823 | 599.823 | 0.000 |
| 3 | 24 | 601.118 | 601.118 | 0.000 |
| 5 | 25 | 599.235 | 599.941 | 0.706 |
| 5 | 26 | 596.998 | 597.351 | 0.353 |
| 5 | 27 | 597.234 | 597.587 | 0.353 |
| 5 | 28 | 598.999 | 598.882 | -0.117 |
| 5 | 29 | 601.001 | 600.647 | -0.354 |
| 10 | 30 | 602.884 | 603.826 | 0.942 |
| 10 | 31 | 600.412 | 600.647 | 0.235 |
| 10 | 32 | 600.530 | 601.001 | 0.471 |
| 10 | 33 | 596.998 | 596.881 | -0.117 |
| 10 | 34 | 603.355 | 602.649 | -0.706 |
| 15 | 35 | 597.705 | 598.058 | 0.353 |
| 15 | 36 | 597.351 | 598.058 | 0.707 |
| 15 | 37 | 596.527 | 597.116 | 0.589 |
| 15 | 38 | 604.179 | 604.179 | 0.000 |
| 15 | 39 | 601.471 | 601.118 | -0.353 |
| 30 | 40 | 599.941 | 598.175 | -1.766 |
| 30 | 41 | 599.117 | 598.529 | -0.588 |
| 30 | 42 | 598.999 | 598.764 | -0.235 |
| 30 | 43 | 599.470 | 599.706 | 0.236 |
| 30 | 44 | 600.294 | 598.411 | -1.883 |
| 35 | 45 | 604.650 | 604.650 | 0.000 |
| 35 | 46 | 598.529 | 600.177 | 1.648 |
| 35 | 47 | 594.291 | 595.586 | 1.295 |
| 35 | 48 | 589.464 | 590.288 | 0.824 |
| 35 | 49 | 595.232 | 597.234 | 2.002 |
| 50 | 50 | 604.650 | 604.297 | -0.353 |
| 50 | 51 | 603.943 | 603.473 | -0.470 |
| 50 | 52 | 594.762 | 597.234 | 2.472 |
| 50 | 53 | 606.886 | 606.533 | -0.353 |
| 50 | 54 | 601.118 | 600.647 | -0.471 |
| 55 | 55 | 598.529 | 600.059 | 1.530 |
| 55 | 56 | 599.706 | 601.118 | 1.412 |
| 55 | 57 | 603.708 | 602.766 | -0.942 |
| 55 | 58 | 599.706 | 601.707 | 2.001 |
| 55 | 59 | 600.883 | 603.237 | 2.354 |
| 100 | 60 | 599.235 | 598.058 | -1.177 |
| 100 | 61 | 603.943 | 603.473 | -0.470 |
| 100 | 62 | 594.997 | 595.703 | 0.706 |
| 100 | 63 | 598.999 | 599.235 | 0.236 |
| 100 | 64 | 600.177 | 601.354 | 1.177 |
| 105 | 65 | 594.997 | 599.235 | 4.238 |
| 105 | 66 | 595.232 | 600.765 | 5.533 |
| 105 | 67 | 590.053 | 595.115 | 5.062 |
| 105 | 68 | 595.468 | 604.061 | 8.593 |
| 105 | 69 | 598.646 | 601.589 | 2.943 |
| | Max | 606.886 | 606.533 | 8.593 |
| | Average | 599.315 | 600.041 | 0.726 |
| | Min | 589.464 | 590.288 | -1.883 |
| | Std Dev | 3.448 | 2.889 | 1.829 |




| | 13.23_VTH_UP_RISING/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 614 | mV | | | | | | | | | |
| Min Limit | 581 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 581.000 | 581.000 | 581.000 | 581.000 | #### | 581.000 | #### | #### | 581.000 | #### | 581.000 |
| Min | 598.175 | 598.882 | 597.351 | 596.881 | #### | 598.175 | #### | #### | 600.059 | #### | 595.115 |
| Average | 600.569 | 600.271 | 598.882 | 601.001 | #### | 598.717 | #### | #### | 601.777 | #### | 600.153 |
| Max | 602.413 | 601.471 | 600.647 | 603.826 | #### | 599.706 | #### | #### | 603.237 | #### | 604.061 |
| UL | 614.000 | 614.000 | 614.000 | 614.000 | #### | 614.000 | #### | #### | 614.000 | #### | 614.000 |

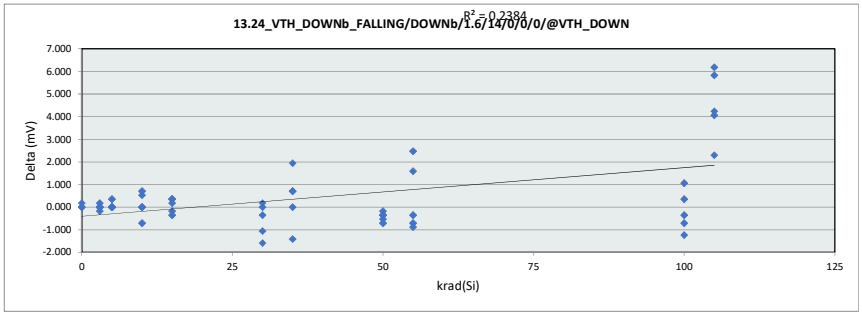


# TID HDR Report
# TPS7H3014-SP

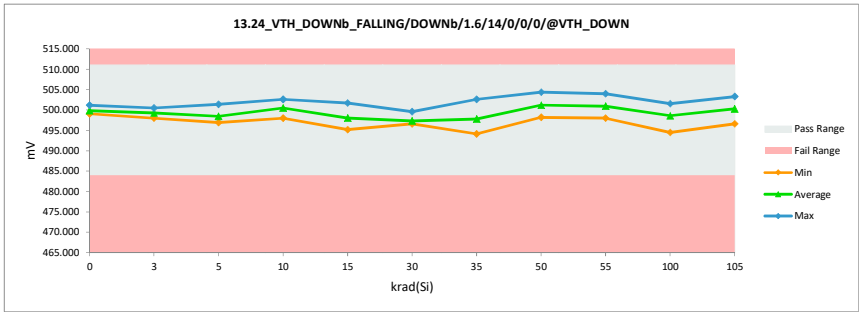
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.24_VTH_DOWNb_FALLI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 512 | 511 |
| Min Limit | 483 | 484 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 499.058 | 499.058 | 0.000 |
| 0 | 14 | 501.001 | 501.177 | 0.176 |
| 0 | 15 | 499.235 | 499.235 | 0.000 |
| 3 | 20 | 499.765 | 499.765 | 0.000 |
| 3 | 21 | 498.529 | 498.352 | -0.177 |
| 3 | 22 | 497.822 | 497.999 | 0.177 |
| 3 | 23 | 499.765 | 499.765 | 0.000 |
| 3 | 24 | 500.471 | 500.471 | 0.000 |
| 5 | 25 | 498.882 | 498.882 | 0.000 |
| 5 | 26 | 497.646 | 497.999 | 0.353 |
| 5 | 27 | 496.939 | 496.939 | 0.000 |
| 5 | 28 | 496.939 | 496.939 | 0.000 |
| 5 | 29 | 501.354 | 501.354 | 0.000 |
| 10 | 30 | 500.824 | 501.530 | 0.706 |
| 10 | 31 | 502.590 | 502.590 | 0.000 |
| 10 | 32 | 498.175 | 498.705 | 0.530 |
| 10 | 33 | 497.999 | 497.999 | 0.000 |
| 10 | 34 | 502.237 | 501.530 | -0.707 |
| 15 | 35 | 495.880 | 496.057 | 0.177 |
| 15 | 36 | 497.822 | 498.175 | 0.353 |
| 15 | 37 | 494.820 | 495.174 | 0.354 |
| 15 | 38 | 501.883 | 501.707 | -0.176 |
| 15 | 39 | 499.411 | 499.058 | -0.353 |
| 30 | 40 | 497.646 | 496.586 | -1.060 |
| 30 | 41 | 497.293 | 496.939 | -0.354 |
| 30 | 42 | 496.939 | 496.939 | 0.000 |
| 30 | 43 | 499.411 | 499.588 | 0.177 |
| 30 | 44 | 498.175 | 496.586 | -1.589 |
| 35 | 45 | 502.590 | 502.590 | 0.000 |
| 35 | 46 | 500.824 | 499.411 | -1.413 |
| 35 | 47 | 496.586 | 497.293 | 0.707 |
| 35 | 48 | 493.408 | 494.114 | 0.706 |
| 35 | 49 | 493.584 | 495.527 | 1.943 |
| 50 | 50 | 502.590 | 502.413 | -0.177 |
| 50 | 51 | 502.060 | 501.530 | -0.530 |
| 50 | 52 | 498.882 | 498.175 | -0.707 |
| 50 | 53 | 504.709 | 504.356 | -0.353 |
| 50 | 54 | 499.765 | 499.411 | -0.354 |
| 55 | 55 | 498.352 | 497.999 | -0.353 |
| 55 | 56 | 503.119 | 502.413 | -0.706 |
| 55 | 57 | 501.354 | 500.471 | -0.883 |
| 55 | 58 | 498.175 | 499.765 | 1.590 |
| 55 | 59 | 501.530 | 504.002 | 2.472 |
| 100 | 60 | 497.293 | 496.057 | -1.236 |
| 100 | 61 | 501.883 | 501.530 | -0.353 |
| 100 | 62 | 495.174 | 494.467 | -0.707 |
| 100 | 63 | 501.177 | 501.530 | 0.353 |
| 100 | 64 | 498.352 | 499.411 | 1.059 |
| 105 | 65 | 499.058 | 503.296 | 4.238 |
| 105 | 66 | 496.057 | 500.118 | 4.061 |
| 105 | 67 | 490.759 | 496.586 | 5.827 |
| 105 | 68 | 495.527 | 501.707 | 6.180 |
| 105 | 69 | 497.293 | 499.588 | 2.295 |
| | Max | 504.709 | 504.356 | 6.180 |
| | Average | 498.842 | 499.261 | 0.420 |
| | Min | 490.759 | 494.114 | -1.589 |
| | Std Dev | 2.737 | 2.461 | 1.578 |




| | 13.24_VTH_DOWNb_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 511 | mV | | | | | | | | | |
| Min Limit | 484 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 484.000 | 484.000 | 484.000 | 484.000 | #### | 484.000 | #### | #### | 484.000 | #### | 484.000 |
| Min | 499.058 | 497.999 | 496.939 | 497.999 | #### | 496.586 | #### | #### | 497.999 | #### | 496.586 |
| Average | 499.823 | 499.270 | 498.423 | 500.471 | #### | 497.328 | #### | #### | 500.930 | #### | 500.259 |
| Max | 501.177 | 500.471 | 501.354 | 502.590 | #### | 499.588 | #### | #### | 504.002 | #### | 503.296 |
| UL | 511.000 | 511.000 | 511.000 | 511.000 | #### | 511.000 | #### | #### | 511.000 | #### | 511.000 |

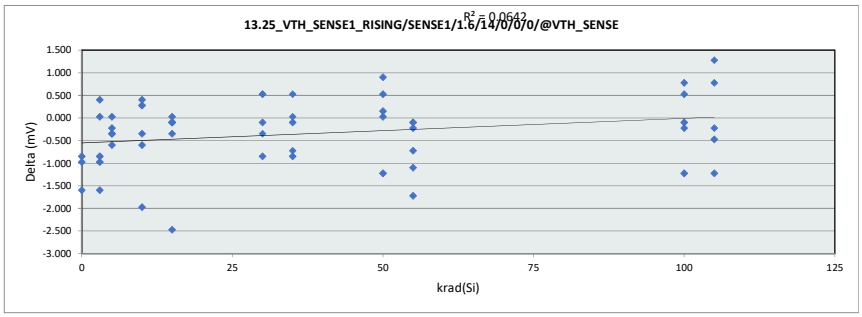


# TID HDR Report
# TPS7H3014-SP

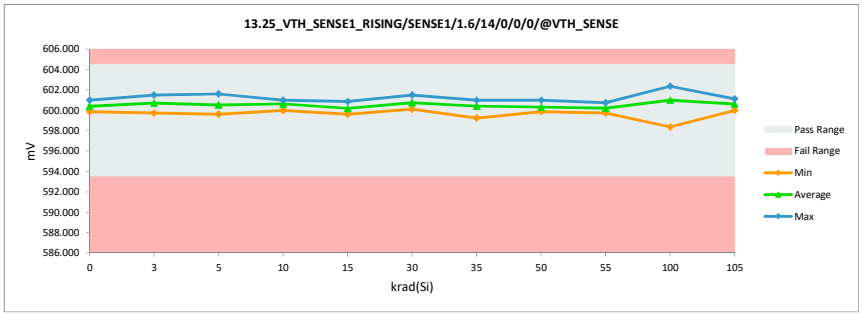
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.25_VTH_SENSE1_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.835 | 600.986 | -0.849 |
| 0 | 14 | 601.960 | 600.362 | -1.598 |
| 0 | 15 | 600.836 | 599.862 | -0.974 |
| 3 | 20 | 601.336 | 600.486 | -0.850 |
| 3 | 21 | 601.086 | 601.486 | 0.400 |
| 3 | 22 | 601.336 | 599.737 | -1.599 |
| 3 | 23 | 601.960 | 600.986 | -0.974 |
| 3 | 24 | 600.836 | 600.861 | 0.025 |
| 5 | 25 | 600.087 | 600.112 | 0.025 |
| 5 | 26 | 600.961 | 600.611 | -0.350 |
| 5 | 27 | 600.961 | 600.736 | -0.225 |
| 5 | 28 | 600.211 | 599.612 | -0.599 |
| 5 | 29 | 601.960 | 601.610 | -0.350 |
| 10 | 30 | 601.960 | 599.987 | -1.973 |
| 10 | 31 | 600.711 | 600.986 | 0.275 |
| 10 | 32 | 600.336 | 600.736 | 0.400 |
| 10 | 33 | 601.086 | 600.736 | -0.350 |
| 10 | 34 | 601.336 | 600.736 | -0.600 |
| 15 | 35 | 599.712 | 599.737 | 0.025 |
| 15 | 36 | 600.586 | 600.486 | -0.100 |
| 15 | 37 | 599.962 | 599.612 | -0.350 |
| 15 | 38 | 602.710 | 600.237 | -2.473 |
| 15 | 39 | 600.961 | 600.861 | -0.100 |
| 30 | 40 | 600.836 | 600.736 | -0.100 |
| 30 | 41 | 600.461 | 600.112 | -0.349 |
| 30 | 42 | 600.961 | 601.486 | 0.525 |
| 30 | 43 | 600.461 | 600.986 | 0.525 |
| 30 | 44 | 601.211 | 600.362 | -0.849 |
| 35 | 45 | 600.211 | 600.112 | -0.099 |
| 35 | 46 | 600.461 | 600.986 | 0.525 |
| 35 | 47 | 601.835 | 600.986 | -0.849 |
| 35 | 48 | 600.711 | 600.736 | 0.025 |
| 35 | 49 | 599.962 | 599.238 | -0.724 |
| 50 | 50 | 600.461 | 600.486 | 0.025 |
| 50 | 51 | 600.211 | 600.362 | 0.151 |
| 50 | 52 | 598.962 | 599.862 | 0.900 |
| 50 | 53 | 600.461 | 600.986 | 0.525 |
| 50 | 54 | 601.086 | 599.862 | -1.224 |
| 55 | 55 | 601.835 | 600.736 | -1.099 |
| 55 | 56 | 601.336 | 600.611 | -0.725 |
| 55 | 57 | 599.837 | 599.737 | -0.100 |
| 55 | 58 | 600.336 | 600.112 | -0.224 |
| 55 | 59 | 601.586 | 599.862 | -1.724 |
| 100 | 60 | 600.961 | 600.861 | -0.100 |
| 100 | 61 | 600.961 | 601.735 | 0.774 |
| 100 | 62 | 601.835 | 601.610 | -0.225 |
| 100 | 63 | 601.835 | 602.360 | 0.525 |
| 100 | 64 | 599.587 | 598.363 | -1.224 |
| 105 | 65 | 600.336 | 601.111 | 0.775 |
| 105 | 66 | 598.962 | 600.237 | 1.275 |
| 105 | 67 | 601.086 | 600.611 | -0.475 |
| 105 | 68 | 602.335 | 601.111 | -1.224 |
| 105 | 69 | 600.211 | 599.987 | -0.224 |
| | Max | 602.710 | 602.360 | 1.275 |
| | Average | 600.869 | 600.526 | -0.342 |
| | Min | 598.962 | 598.363 | -2.473 |
| | Std Dev | 0.807 | 0.694 | 0.768 |




| | 13.25_VTH_SENSE1_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.862 | 599.737 | 599.612 | 599.987 | #### | 600.112 | #### | #### | 599.737 | #### | 599.987 |
| Average | 600.403 | 600.711 | 600.536 | 600.636 | #### | 600.736 | #### | #### | 600.212 | #### | 600.611 |
| Max | 600.986 | 601.486 | 601.610 | 600.986 | #### | 601.486 | #### | #### | 600.736 | #### | 601.111 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

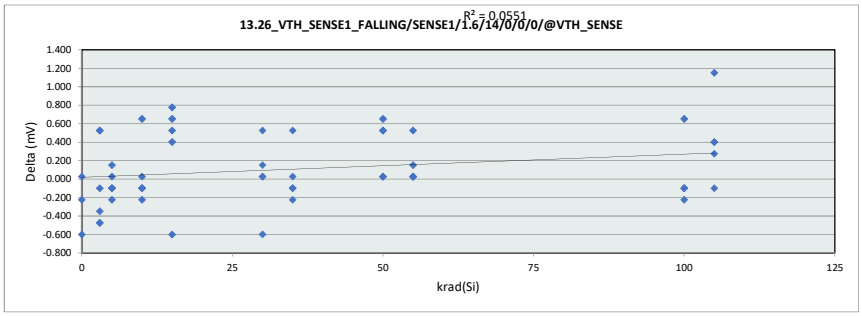


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

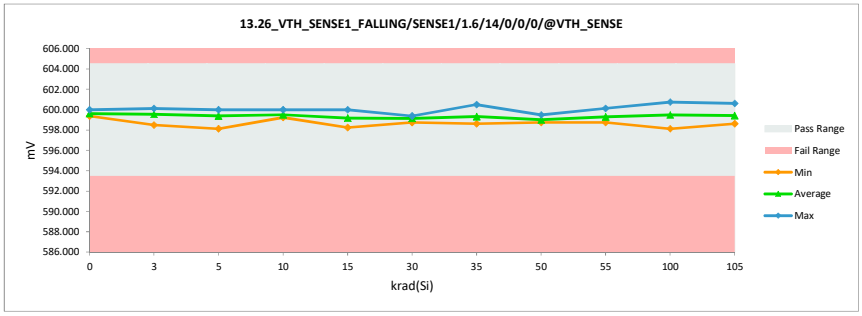
| | 13.26_VTH_SENSE1_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.214 | 599.990 | -0.224 |
| 0 | 14 | 600.089 | 599.490 | -0.599 |
| 0 | 15 | 599.339 | 599.366 | 0.027 |
| 3 | 20 | 598.965 | 598.491 | -0.474 |
| 3 | 21 | 599.464 | 599.990 | 0.526 |
| 3 | 22 | 599.589 | 599.241 | -0.348 |
| 3 | 23 | 600.214 | 600.115 | -0.099 |
| 3 | 24 | 599.339 | 599.865 | 0.526 |
| 5 | 25 | 598.215 | 598.117 | -0.098 |
| 5 | 26 | 599.964 | 599.990 | 0.026 |
| 5 | 27 | 600.089 | 599.990 | -0.099 |
| 5 | 28 | 598.715 | 598.866 | 0.151 |
| 5 | 29 | 600.214 | 599.990 | -0.224 |
| 10 | 30 | 599.339 | 599.990 | 0.651 |
| 10 | 31 | 599.464 | 599.366 | -0.098 |
| 10 | 32 | 599.339 | 599.366 | 0.027 |
| 10 | 33 | 599.589 | 599.490 | -0.099 |
| 10 | 34 | 599.464 | 599.241 | -0.223 |
| 15 | 35 | 597.716 | 598.242 | 0.526 |
| 15 | 36 | 598.840 | 599.241 | 0.401 |
| 15 | 37 | 598.090 | 598.866 | 0.776 |
| 15 | 38 | 599.339 | 599.990 | 0.651 |
| 15 | 39 | 600.089 | 599.490 | -0.599 |
| 30 | 40 | 599.339 | 599.366 | 0.027 |
| 30 | 41 | 599.339 | 598.741 | -0.598 |
| 30 | 42 | 598.840 | 599.366 | 0.526 |
| 30 | 43 | 598.715 | 598.866 | 0.151 |
| 30 | 44 | 599.339 | 599.366 | 0.027 |
| 35 | 45 | 598.715 | 598.616 | -0.099 |
| 35 | 46 | 599.464 | 599.366 | -0.098 |
| 35 | 47 | 600.713 | 600.490 | -0.223 |
| 35 | 48 | 599.339 | 599.366 | 0.027 |
| 35 | 49 | 598.215 | 598.741 | 0.526 |
| 50 | 50 | 599.464 | 599.490 | 0.026 |
| 50 | 51 | 598.715 | 598.741 | 0.026 |
| 50 | 52 | 598.090 | 598.741 | 0.651 |
| 50 | 53 | 598.840 | 599.366 | 0.526 |
| 50 | 54 | 598.215 | 598.741 | 0.526 |
| 55 | 55 | 599.339 | 599.366 | 0.027 |
| 55 | 56 | 600.089 | 600.115 | 0.026 |
| 55 | 57 | 598.715 | 598.741 | 0.026 |
| 55 | 58 | 598.715 | 598.866 | 0.151 |
| 55 | 59 | 598.840 | 599.366 | 0.526 |
| 100 | 60 | 598.715 | 598.616 | -0.099 |
| 100 | 61 | 599.464 | 599.241 | -0.223 |
| 100 | 62 | 600.838 | 600.739 | -0.099 |
| 100 | 63 | 600.838 | 600.739 | -0.099 |
| 100 | 64 | 597.466 | 598.117 | 0.651 |
| 105 | 65 | 598.840 | 599.241 | 0.401 |
| 105 | 66 | 597.466 | 598.616 | 1.150 |
| 105 | 67 | 600.089 | 599.990 | -0.099 |
| 105 | 68 | 600.214 | 600.614 | 0.400 |
| 105 | 69 | 598.340 | 598.616 | 0.276 |
| | Max | 600.838 | 600.739 | 1.150 |
| | Average | 599.226 | 599.342 | 0.116 |
| | Min | 597.466 | 598.117 | -0.599 |
| | Std Dev | 0.807 | 0.649 | 0.381 |




| | 13.26_VTH_SENSE1_FAL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 604.5 | mV |
| Min Limit | 593.5 | mV |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.366 | 598.491 | 598.117 | 599.241 | #### | 598.741 | #### | #### | 598.741 | #### | 598.616 |
| Average | 599.615 | 599.540 | 599.391 | 599.491 | #### | 599.141 | #### | #### | 599.291 | #### | 599.415 |
| Max | 599.990 | 600.115 | 599.990 | 599.990 | #### | 599.366 | #### | #### | 600.115 | #### | 600.614 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

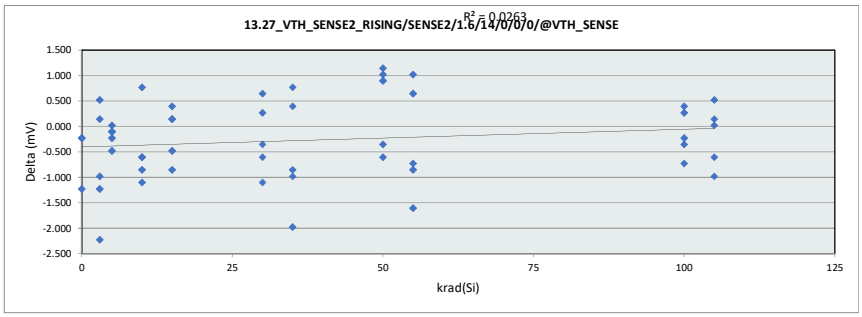


# TID HDR Report
# TPS7H3014-SP

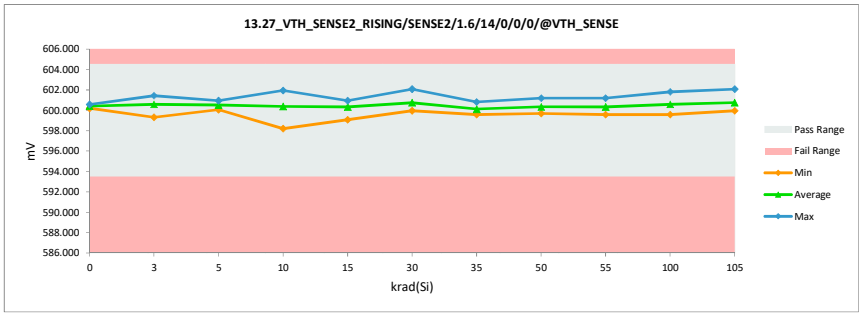
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.27_VTH_SENSE2_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.675 | 600.447 | -1.228 |
| 0 | 14 | 600.426 | 600.198 | -0.228 |
| 0 | 15 | 600.801 | 600.572 | -0.229 |
| 3 | 20 | 600.926 | 601.447 | 0.521 |
| 3 | 21 | 601.425 | 600.198 | -1.227 |
| 3 | 22 | 601.550 | 599.324 | -2.226 |
| 3 | 23 | 600.801 | 600.947 | 0.146 |
| 3 | 24 | 602.050 | 601.072 | -0.978 |
| 5 | 25 | 600.301 | 600.198 | -0.103 |
| 5 | 26 | 601.425 | 600.947 | -0.478 |
| 5 | 27 | 600.551 | 600.572 | 0.021 |
| 5 | 28 | 600.176 | 600.073 | -0.103 |
| 5 | 29 | 601.051 | 600.822 | -0.229 |
| 10 | 30 | 600.426 | 601.197 | 0.771 |
| 10 | 31 | 600.926 | 600.323 | -0.603 |
| 10 | 32 | 600.801 | 600.198 | -0.603 |
| 10 | 33 | 599.302 | 598.200 | -1.102 |
| 10 | 34 | 602.799 | 601.946 | -0.853 |
| 15 | 35 | 598.927 | 599.074 | 0.147 |
| 15 | 36 | 599.926 | 600.323 | 0.397 |
| 15 | 37 | 600.426 | 600.572 | 0.146 |
| 15 | 38 | 601.176 | 600.697 | -0.479 |
| 15 | 39 | 601.800 | 600.947 | -0.853 |
| 30 | 40 | 601.051 | 601.322 | 0.271 |
| 30 | 41 | 600.301 | 599.948 | -0.353 |
| 30 | 42 | 601.425 | 602.071 | 0.646 |
| 30 | 43 | 600.801 | 600.198 | -0.603 |
| 30 | 44 | 601.300 | 600.198 | -1.102 |
| 35 | 45 | 600.676 | 599.698 | -0.978 |
| 35 | 46 | 601.550 | 600.697 | -0.853 |
| 35 | 47 | 601.550 | 599.573 | -1.977 |
| 35 | 48 | 600.051 | 600.822 | 0.771 |
| 35 | 49 | 599.427 | 599.823 | 0.396 |
| 50 | 50 | 600.426 | 600.073 | -0.353 |
| 50 | 51 | 599.302 | 600.447 | 1.145 |
| 50 | 52 | 598.802 | 599.698 | 0.896 |
| 50 | 53 | 600.176 | 601.197 | 1.021 |
| 50 | 54 | 600.926 | 600.323 | -0.603 |
| 55 | 55 | 600.801 | 600.073 | -0.728 |
| 55 | 56 | 601.176 | 599.573 | -1.603 |
| 55 | 57 | 601.550 | 600.697 | -0.853 |
| 55 | 58 | 599.427 | 600.073 | 0.646 |
| 55 | 59 | 600.176 | 601.197 | 1.021 |
| 100 | 60 | 600.176 | 600.447 | 0.271 |
| 100 | 61 | 600.301 | 600.697 | 0.396 |
| 100 | 62 | 601.176 | 600.447 | -0.729 |
| 100 | 63 | 602.050 | 601.821 | -0.229 |
| 100 | 64 | 599.926 | 599.573 | -0.353 |
| 105 | 65 | 600.301 | 600.822 | 0.521 |
| 105 | 66 | 599.926 | 600.073 | 0.147 |
| 105 | 67 | 602.050 | 602.071 | 0.021 |
| 105 | 68 | 601.425 | 600.822 | -0.603 |
| 105 | 69 | 600.926 | 599.948 | -0.978 |
| | Max | 602.799 | 602.071 | 1.145 |
| | Average | 600.732 | 600.466 | -0.266 |
| | Min | 598.802 | 598.200 | -2.226 |
| | Std Dev | 0.840 | 0.740 | 0.764 |




| | 13.27_VTH_SENSE2_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.198 | 599.324 | 600.073 | 598.200 | #### | 599.948 | #### | #### | 599.573 | #### | 599.948 |
| Average | 600.406 | 600.598 | 600.522 | 600.373 | #### | 600.747 | #### | #### | 600.323 | #### | 600.747 |
| Max | 600.572 | 601.447 | 600.947 | 601.946 | #### | 602.071 | #### | #### | 601.197 | #### | 602.071 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

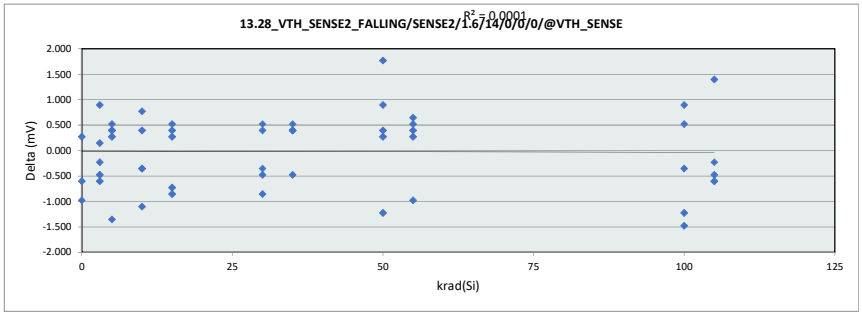


# TID HDR Report
# TPS7H3014-SP

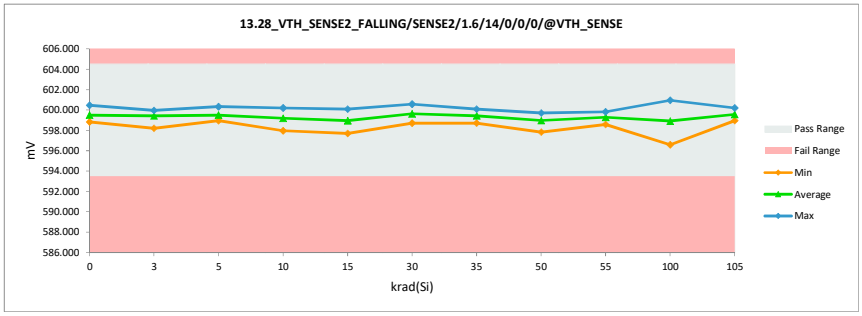
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.28_VTH_SENSE2_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.179 | 600.450 | 0.271 |
| 0 | 14 | 600.179 | 599.202 | -0.977 |
| 0 | 15 | 599.429 | 598.827 | -0.602 |
| 3 | 20 | 600.054 | 599.826 | -0.228 |
| 3 | 21 | 599.929 | 599.451 | -0.478 |
| 3 | 22 | 598.805 | 599.701 | 0.896 |
| 3 | 23 | 598.805 | 598.203 | -0.602 |
| 3 | 24 | 599.804 | 599.951 | 0.147 |
| 5 | 25 | 599.180 | 599.576 | 0.396 |
| 5 | 26 | 600.054 | 600.326 | 0.272 |
| 5 | 27 | 598.805 | 599.202 | 0.397 |
| 5 | 28 | 598.930 | 599.451 | 0.521 |
| 5 | 29 | 600.304 | 598.952 | -1.352 |
| 10 | 30 | 599.055 | 599.451 | 0.396 |
| 10 | 31 | 598.555 | 599.327 | 0.772 |
| 10 | 32 | 600.054 | 598.952 | -1.102 |
| 10 | 33 | 598.305 | 597.953 | -0.352 |
| 10 | 34 | 600.554 | 600.201 | -0.353 |
| 15 | 35 | 597.431 | 597.703 | 0.272 |
| 15 | 36 | 599.305 | 598.577 | -0.728 |
| 15 | 37 | 599.554 | 598.702 | -0.852 |
| 15 | 38 | 599.180 | 599.701 | 0.521 |
| 15 | 39 | 599.679 | 600.076 | 0.397 |
| 30 | 40 | 600.554 | 600.201 | -0.353 |
| 30 | 41 | 599.554 | 598.702 | -0.852 |
| 30 | 42 | 600.054 | 600.575 | 0.521 |
| 30 | 43 | 599.055 | 599.451 | 0.396 |
| 30 | 44 | 599.679 | 599.202 | -0.477 |
| 35 | 45 | 599.055 | 599.451 | 0.396 |
| 35 | 46 | 599.679 | 600.076 | 0.397 |
| 35 | 47 | 599.679 | 600.076 | 0.397 |
| 35 | 48 | 599.305 | 598.827 | -0.478 |
| 35 | 49 | 598.180 | 598.702 | 0.522 |
| 50 | 50 | 598.680 | 598.952 | 0.272 |
| 50 | 51 | 598.555 | 599.451 | 0.896 |
| 50 | 52 | 597.181 | 598.952 | 1.771 |
| 50 | 53 | 599.305 | 599.701 | 0.396 |
| 50 | 54 | 599.055 | 597.828 | -1.227 |
| 55 | 55 | 599.055 | 599.327 | 0.272 |
| 55 | 56 | 599.180 | 599.701 | 0.521 |
| 55 | 57 | 599.929 | 598.952 | -0.977 |
| 55 | 58 | 598.180 | 598.577 | 0.397 |
| 55 | 59 | 599.180 | 599.826 | 0.646 |
| 100 | 60 | 598.680 | 599.202 | 0.522 |
| 100 | 61 | 598.680 | 598.327 | -0.353 |
| 100 | 62 | 600.803 | 599.576 | -1.227 |
| 100 | 63 | 600.054 | 600.950 | 0.896 |
| 100 | 64 | 598.055 | 596.579 | -1.476 |
| 105 | 65 | 598.430 | 599.826 | 1.396 |
| 105 | 66 | 599.429 | 598.952 | -0.477 |
| 105 | 67 | 600.429 | 600.201 | -0.228 |
| 105 | 68 | 600.054 | 599.451 | -0.603 |
| 105 | 69 | 599.929 | 599.327 | -0.602 |
| | Max | 600.803 | 600.950 | 1.771 |
| | Average | 599.316 | 599.296 | -0.020 |
| | Min | 597.181 | 596.579 | -1.476 |
| | Std Dev | 0.786 | 0.792 | 0.723 |




| | 13.28_VTH_SENSE2_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 598.827 | 598.203 | 598.952 | 597.953 | #### | 598.702 | #### | #### | 598.577 | #### | 598.952 |
| Average | 599.493 | 599.426 | 599.501 | 599.177 | #### | 599.626 | #### | #### | 599.277 | #### | 599.551 |
| Max | 600.450 | 599.951 | 600.326 | 600.201 | #### | 600.575 | #### | #### | 599.826 | #### | 600.201 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

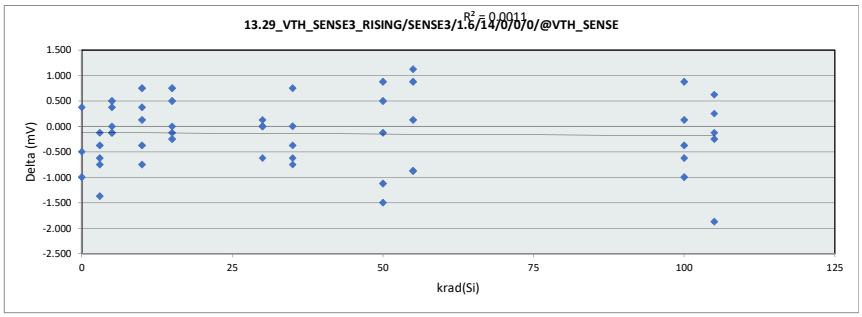


# TID HDR Report
# TPS7H3014-SP

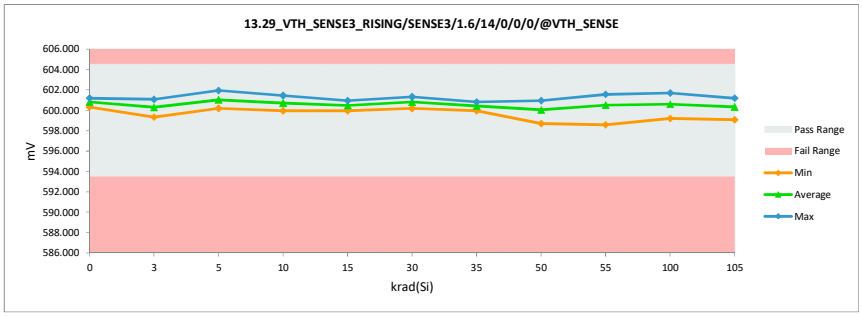
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.29_VTH_SENSE3_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.943 | 600.946 | -0.997 |
| 0 | 14 | 601.694 | 601.196 | -0.498 |
| 0 | 15 | 599.945 | 600.322 | 0.377 |
| 3 | 20 | 601.819 | 601.071 | -0.748 |
| 3 | 21 | 601.194 | 600.572 | -0.622 |
| 3 | 22 | 599.945 | 599.822 | -0.123 |
| 3 | 23 | 600.694 | 599.323 | -1.371 |
| 3 | 24 | 601.069 | 600.697 | -0.372 |
| 5 | 25 | 600.195 | 600.697 | 0.502 |
| 5 | 26 | 601.444 | 601.321 | -0.123 |
| 5 | 27 | 601.069 | 600.946 | -0.123 |
| 5 | 28 | 600.195 | 600.197 | 0.002 |
| 5 | 29 | 601.569 | 601.946 | 0.377 |
| 10 | 30 | 600.694 | 600.822 | 0.128 |
| 10 | 31 | 600.320 | 599.947 | -0.373 |
| 10 | 32 | 600.195 | 600.572 | 0.377 |
| 10 | 33 | 599.945 | 600.697 | 0.752 |
| 10 | 34 | 602.193 | 601.446 | -0.747 |
| 15 | 35 | 600.070 | 599.947 | -0.123 |
| 15 | 36 | 599.820 | 600.572 | 0.752 |
| 15 | 37 | 599.820 | 600.322 | 0.502 |
| 15 | 38 | 600.819 | 600.572 | -0.247 |
| 15 | 39 | 600.944 | 600.946 | 0.002 |
| 30 | 40 | 601.069 | 601.071 | 0.002 |
| 30 | 41 | 600.819 | 600.197 | -0.622 |
| 30 | 42 | 601.319 | 601.321 | 0.002 |
| 30 | 43 | 600.944 | 601.071 | 0.127 |
| 30 | 44 | 600.444 | 600.447 | 0.003 |
| 35 | 45 | 601.069 | 600.447 | -0.622 |
| 35 | 46 | 601.069 | 600.322 | -0.747 |
| 35 | 47 | 600.819 | 600.822 | 0.003 |
| 35 | 48 | 600.944 | 600.572 | -0.372 |
| 35 | 49 | 599.195 | 599.947 | 0.752 |
| 50 | 50 | 602.068 | 600.946 | -1.122 |
| 50 | 51 | 599.570 | 600.072 | 0.502 |
| 50 | 52 | 599.570 | 600.447 | 0.877 |
| 50 | 53 | 600.195 | 600.072 | -0.123 |
| 50 | 54 | 600.195 | 598.698 | -1.497 |
| 55 | 55 | 600.694 | 599.822 | -0.872 |
| 55 | 56 | 600.444 | 601.321 | 0.877 |
| 55 | 57 | 600.070 | 601.196 | 1.126 |
| 55 | 58 | 599.445 | 598.574 | -0.871 |
| 55 | 59 | 601.444 | 601.571 | 0.127 |
| 100 | 60 | 600.819 | 601.696 | 0.877 |
| 100 | 61 | 600.569 | 599.947 | -0.622 |
| 100 | 62 | 601.943 | 600.946 | -0.997 |
| 100 | 63 | 601.069 | 601.196 | 0.127 |
| 100 | 64 | 599.570 | 599.198 | -0.372 |
| 105 | 65 | 600.320 | 600.946 | 0.626 |
| 105 | 66 | 600.070 | 599.822 | -0.248 |
| 105 | 67 | 600.944 | 599.073 | -1.871 |
| 105 | 68 | 601.319 | 601.196 | -0.123 |
| 105 | 69 | 600.320 | 600.572 | 0.252 |
| | Max | 602.193 | 601.946 | 1.126 |
| | Average | 600.678 | 600.536 | -0.141 |
| | Min | 599.195 | 598.574 | -1.871 |
| | Std Dev | 0.725 | 0.725 | 0.658 |




| | 13.29_VTH_SENSE3_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.322 | 599.323 | 600.197 | 599.947 | #### | 600.197 | #### | #### | 598.574 | #### | 599.073 |
| Average | 600.821 | 600.297 | 601.021 | 600.697 | #### | 600.821 | #### | #### | 600.497 | #### | 600.322 |
| Max | 601.196 | 601.071 | 601.946 | 601.446 | #### | 601.321 | #### | #### | 601.571 | #### | 601.196 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

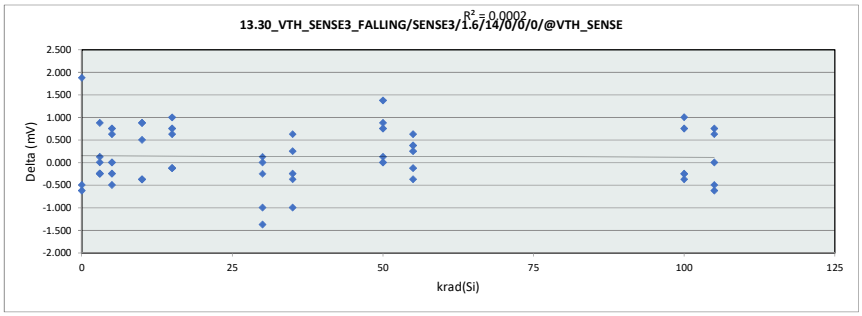


# TID HDR Report
# TPS7H3014-SP

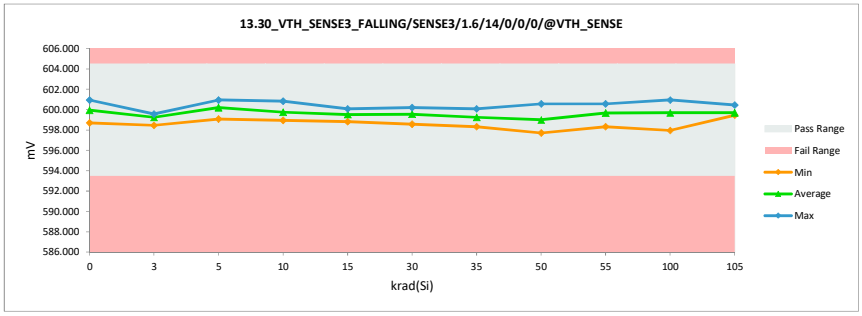
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.30_VTH_SENSE3_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.697 | 600.200 | -0.497 |
| 0 | 14 | 599.322 | 598.701 | -0.621 |
| 0 | 15 | 599.073 | 600.949 | 1.876 |
| 3 | 20 | 599.697 | 599.451 | -0.246 |
| 3 | 21 | 599.822 | 599.576 | -0.246 |
| 3 | 22 | 598.323 | 599.201 | 0.878 |
| 3 | 23 | 598.323 | 598.452 | 0.129 |
| 3 | 24 | 599.572 | 599.576 | 0.004 |
| 5 | 25 | 599.572 | 600.200 | 0.628 |
| 5 | 26 | 600.946 | 600.949 | 0.003 |
| 5 | 27 | 600.697 | 600.200 | -0.497 |
| 5 | 28 | 598.323 | 599.076 | 0.753 |
| 5 | 29 | 600.821 | 600.575 | -0.246 |
| 10 | 30 | 599.322 | 599.825 | 0.503 |
| 10 | 31 | 598.073 | 598.951 | 0.878 |
| 10 | 32 | 599.197 | 600.075 | 0.878 |
| 10 | 33 | 599.447 | 599.076 | -0.371 |
| 10 | 34 | 601.196 | 600.824 | -0.372 |
| 15 | 35 | 598.948 | 598.826 | -0.122 |
| 15 | 36 | 599.322 | 600.075 | 0.753 |
| 15 | 37 | 598.948 | 598.826 | -0.122 |
| 15 | 38 | 598.948 | 599.950 | 1.002 |
| 15 | 39 | 599.322 | 599.950 | 0.628 |
| 30 | 40 | 600.072 | 600.075 | 0.003 |
| 30 | 41 | 600.197 | 599.950 | -0.247 |
| 30 | 42 | 600.072 | 600.200 | 0.128 |
| 30 | 43 | 599.947 | 598.576 | -1.371 |
| 30 | 44 | 599.947 | 598.951 | -0.996 |
| 35 | 45 | 599.322 | 599.076 | -0.246 |
| 35 | 46 | 599.447 | 600.075 | 0.628 |
| 35 | 47 | 599.947 | 598.951 | -0.996 |
| 35 | 48 | 599.572 | 599.825 | 0.253 |
| 35 | 49 | 598.698 | 598.327 | -0.371 |
| 50 | 50 | 599.697 | 600.575 | 0.878 |
| 50 | 51 | 597.199 | 598.576 | 1.377 |
| 50 | 52 | 598.323 | 599.076 | 0.753 |
| 50 | 53 | 599.073 | 599.076 | 0.003 |
| 50 | 54 | 597.574 | 597.702 | 0.128 |
| 55 | 55 | 599.697 | 600.325 | 0.628 |
| 55 | 56 | 600.072 | 599.950 | -0.122 |
| 55 | 57 | 598.823 | 599.201 | 0.378 |
| 55 | 58 | 598.698 | 598.327 | -0.371 |
| 55 | 59 | 600.322 | 600.575 | 0.253 |
| 100 | 60 | 599.447 | 600.200 | 0.753 |
| 100 | 61 | 599.073 | 598.826 | -0.247 |
| 100 | 62 | 601.196 | 600.949 | -0.247 |
| 100 | 63 | 599.572 | 600.575 | 1.003 |
| 100 | 64 | 598.323 | 597.952 | -0.371 |
| 105 | 65 | 599.697 | 599.700 | 0.003 |
| 105 | 66 | 598.698 | 599.451 | 0.753 |
| 105 | 67 | 600.072 | 599.451 | -0.621 |
| 105 | 68 | 600.946 | 600.450 | -0.496 |
| 105 | 69 | 598.823 | 599.451 | 0.628 |
| | Max | 601.196 | 600.949 | 1.876 |
| | Average | 599.443 | 599.583 | 0.140 |
| | Min | 597.199 | 597.702 | -1.371 |
| | Std Dev | 0.880 | 0.808 | 0.641 |




| | 13.30_VTH_SENSE3_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 598.701 | 598.452 | 599.076 | 598.951 | #### | 598.576 | #### | #### | 598.327 | #### | 599.451 |
| Average | 599.950 | 599.251 | 600.200 | 599.750 | #### | 599.550 | #### | #### | 599.676 | #### | 599.701 |
| Max | 600.949 | 599.576 | 600.949 | 600.824 | #### | 600.200 | #### | #### | 600.575 | #### | 600.450 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

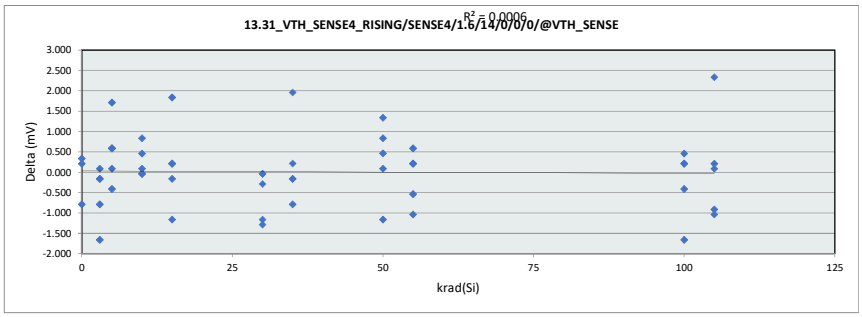


# TID HDR Report
# TPS7H3014-SP

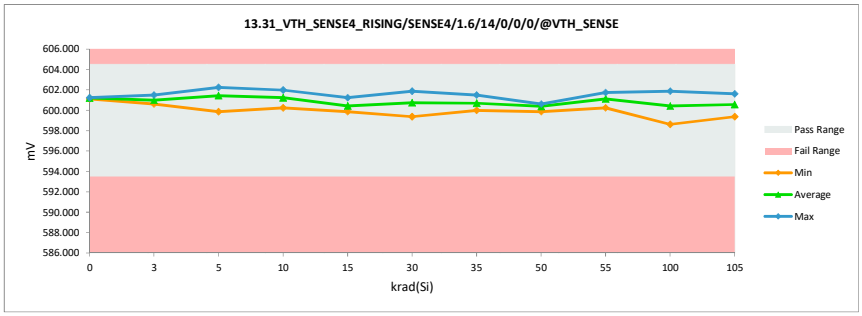
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.31_VTH_SENSE4_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.905 | 601.240 | 0.335 |
| 0 | 14 | 601.030 | 601.240 | 0.210 |
| 0 | 15 | 601.904 | 601.115 | -0.789 |
| 3 | 20 | 601.654 | 601.490 | -0.164 |
| 3 | 21 | 600.780 | 600.865 | 0.085 |
| 3 | 22 | 602.279 | 600.616 | -1.663 |
| 3 | 23 | 601.529 | 601.365 | -0.164 |
| 3 | 24 | 601.404 | 600.616 | -0.788 |
| 5 | 25 | 600.280 | 599.866 | -0.414 |
| 5 | 26 | 601.404 | 601.989 | 0.585 |
| 5 | 27 | 600.405 | 602.114 | 1.709 |
| 5 | 28 | 600.405 | 600.990 | 0.585 |
| 5 | 29 | 602.154 | 602.239 | 0.085 |
| 10 | 30 | 600.155 | 600.241 | 0.086 |
| 10 | 31 | 600.780 | 601.240 | 0.460 |
| 10 | 32 | 601.155 | 601.989 | 0.834 |
| 10 | 33 | 600.780 | 600.740 | -0.040 |
| 10 | 34 | 602.029 | 601.989 | -0.040 |
| 15 | 35 | 600.030 | 599.866 | -0.164 |
| 15 | 36 | 598.656 | 600.491 | 1.835 |
| 15 | 37 | 600.030 | 600.241 | 0.211 |
| 15 | 38 | 601.030 | 601.240 | 0.210 |
| 15 | 39 | 601.529 | 600.366 | -1.163 |
| 30 | 40 | 601.904 | 601.864 | -0.040 |
| 30 | 41 | 600.655 | 599.367 | -1.288 |
| 30 | 42 | 601.779 | 601.490 | -0.289 |
| 30 | 43 | 600.530 | 599.367 | -1.163 |
| 30 | 44 | 601.654 | 601.615 | -0.039 |
| 35 | 45 | 600.155 | 599.991 | -0.164 |
| 35 | 46 | 601.279 | 601.115 | -0.164 |
| 35 | 47 | 601.279 | 601.490 | 0.211 |
| 35 | 48 | 601.279 | 600.491 | -0.788 |
| 35 | 49 | 598.406 | 600.366 | 1.960 |
| 50 | 50 | 601.654 | 600.491 | -1.163 |
| 50 | 51 | 599.905 | 600.366 | 0.461 |
| 50 | 52 | 599.031 | 599.866 | 0.835 |
| 50 | 53 | 599.281 | 600.616 | 1.335 |
| 50 | 54 | 600.530 | 600.616 | 0.086 |
| 55 | 55 | 601.904 | 601.365 | -0.539 |
| 55 | 56 | 602.778 | 601.740 | -1.038 |
| 55 | 57 | 601.030 | 601.240 | 0.210 |
| 55 | 58 | 600.030 | 600.241 | 0.211 |
| 55 | 59 | 600.405 | 600.990 | 0.585 |
| 100 | 60 | 600.280 | 600.491 | 0.211 |
| 100 | 61 | 600.780 | 600.990 | 0.210 |
| 100 | 62 | 601.904 | 600.241 | -1.663 |
| 100 | 63 | 601.404 | 601.864 | 0.460 |
| 100 | 64 | 599.031 | 598.617 | -0.414 |
| 105 | 65 | 598.906 | 601.240 | 2.334 |
| 105 | 66 | 599.281 | 599.367 | 0.086 |
| 105 | 67 | 601.779 | 600.865 | -0.914 |
| 105 | 68 | 602.654 | 601.615 | -1.039 |
| 105 | 69 | 599.531 | 599.741 | 0.210 |
| | Max | 602.778 | 602.239 | 2.334 |
| | Average | 600.817 | 600.828 | 0.010 |
| | Min | 598.406 | 598.617 | -1.663 |
| | Std Dev | 1.038 | 0.805 | 0.854 |




| | 13.31_VTH_SENSE4_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 601.115 | 600.616 | 599.866 | 600.241 | #### | 599.367 | #### | #### | 600.241 | #### | 599.367 |
| Average | 601.198 | 600.990 | 601.440 | 601.240 | #### | 600.741 | #### | #### | 601.115 | #### | 600.566 |
| Max | 601.240 | 601.490 | 602.239 | 601.989 | #### | 601.864 | #### | #### | 601.740 | #### | 601.615 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

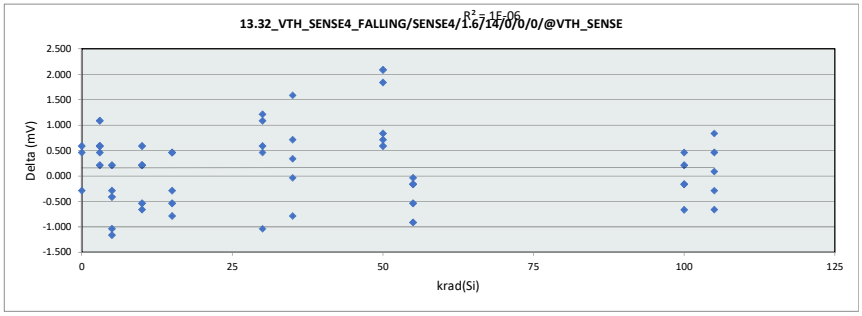


# TID HDR Report
# TPS7H3014-SP

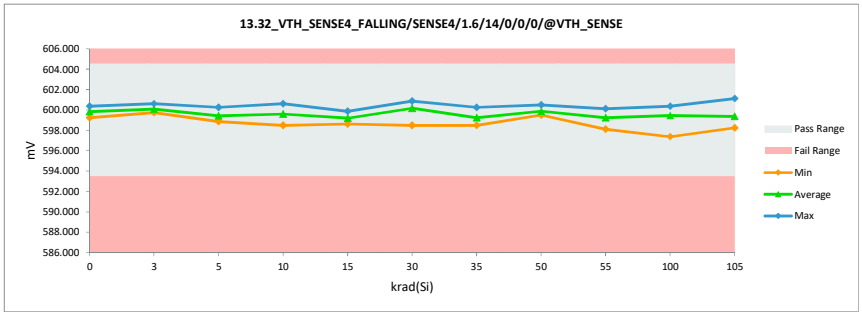
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.32_VTH_SENSE4_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 599.283 | 599.869 | 0.586 |
| 0 | 14 | 600.657 | 600.368 | -0.289 |
| 0 | 15 | 598.783 | 599.244 | 0.461 |
| 3 | 20 | 599.658 | 599.869 | 0.211 |
| 3 | 21 | 599.158 | 599.744 | 0.586 |
| 3 | 22 | 600.157 | 600.618 | 0.461 |
| 3 | 23 | 599.283 | 600.368 | 1.085 |
| 3 | 24 | 599.283 | 599.869 | 0.586 |
| 5 | 25 | 599.158 | 598.870 | -0.288 |
| 5 | 26 | 600.032 | 600.244 | 0.212 |
| 5 | 27 | 600.532 | 599.494 | -1.038 |
| 5 | 28 | 599.533 | 599.120 | -0.413 |
| 5 | 29 | 600.532 | 599.369 | -1.163 |
| 10 | 30 | 598.908 | 599.494 | 0.586 |
| 10 | 31 | 600.157 | 599.494 | -0.663 |
| 10 | 32 | 599.658 | 599.869 | 0.211 |
| 10 | 33 | 599.033 | 598.495 | -0.538 |
| 10 | 34 | 600.407 | 600.618 | 0.211 |
| 15 | 35 | 598.159 | 598.620 | 0.461 |
| 15 | 36 | 598.159 | 598.620 | 0.461 |
| 15 | 37 | 600.282 | 599.744 | -0.538 |
| 15 | 38 | 599.908 | 599.120 | -0.788 |
| 15 | 39 | 600.157 | 599.869 | -0.288 |
| 30 | 40 | 600.407 | 600.868 | 0.461 |
| 30 | 41 | 599.533 | 598.495 | -1.038 |
| 30 | 42 | 599.783 | 600.868 | 1.085 |
| 30 | 43 | 599.158 | 599.744 | 0.586 |
| 30 | 44 | 599.658 | 600.868 | 1.210 |
| 35 | 45 | 597.784 | 599.369 | 1.585 |
| 35 | 46 | 599.908 | 599.120 | -0.788 |
| 35 | 47 | 600.282 | 600.244 | -0.038 |
| 35 | 48 | 598.658 | 598.995 | 0.337 |
| 35 | 49 | 597.784 | 598.495 | 0.711 |
| 50 | 50 | 599.533 | 600.244 | 0.711 |
| 50 | 51 | 598.658 | 599.494 | 0.836 |
| 50 | 52 | 597.409 | 599.494 | 2.085 |
| 50 | 53 | 598.658 | 600.493 | 1.835 |
| 50 | 54 | 599.033 | 599.619 | 0.586 |
| 55 | 55 | 600.157 | 599.619 | -0.538 |
| 55 | 56 | 600.282 | 600.119 | -0.163 |
| 55 | 57 | 599.658 | 599.619 | -0.039 |
| 55 | 58 | 598.284 | 598.120 | -0.164 |
| 55 | 59 | 599.658 | 598.745 | -0.913 |
| 100 | 60 | 599.533 | 599.369 | -0.164 |
| 100 | 61 | 599.783 | 599.994 | 0.211 |
| 100 | 62 | 601.032 | 600.368 | -0.664 |
| 100 | 63 | 599.658 | 600.119 | 0.461 |
| 100 | 64 | 597.534 | 597.371 | -0.163 |
| 105 | 65 | 598.533 | 598.995 | 0.462 |
| 105 | 66 | 597.784 | 598.620 | 0.836 |
| 105 | 67 | 600.532 | 599.869 | -0.663 |
| 105 | 68 | 601.407 | 601.118 | -0.289 |
| 105 | 69 | 598.159 | 598.245 | 0.086 |
| | Max | 601.407 | 601.118 | 2.085 |
| | Average | 599.417 | 599.579 | 0.162 |
| | Min | 597.409 | 597.371 | -1.163 |
| | Std Dev | 0.931 | 0.794 | 0.725 |




| | 13.32_VTH_SENSE4_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.244 | 599.744 | 598.870 | 598.495 | #### | 598.495 | #### | #### | 598.120 | #### | 598.245 |
| Average | 599.827 | 600.094 | 599.419 | 599.594 | #### | 600.169 | #### | #### | 599.244 | #### | 599.369 |
| Max | 600.368 | 600.618 | 600.244 | 600.618 | #### | 600.868 | #### | #### | 600.119 | #### | 601.118 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

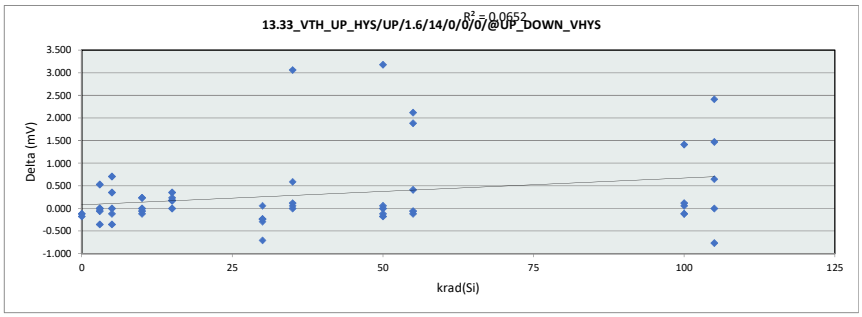


# TID HDR Report
# TPS7H3014-SP

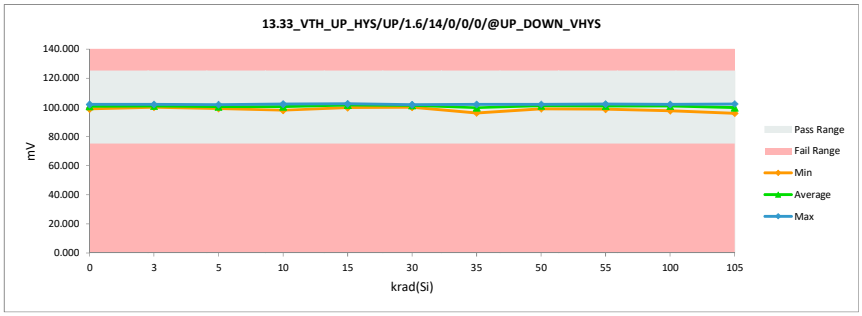
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.33_VTH_UP_HYS/UP/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 150 | 125 |
| Min Limit | 50 | 75 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 102.178 | 102.060 | -0.118 |
| 0 | 14 | 101.412 | 101.236 | -0.176 |
| 0 | 15 | 99.058 | 98.940 | -0.118 |
| 3 | 20 | 102.060 | 101.706 | -0.354 |
| 3 | 21 | 100.000 | 100.530 | 0.530 |
| 3 | 22 | 102.119 | 102.060 | -0.059 |
| 3 | 23 | 100.058 | 100.058 | 0.000 |
| 3 | 24 | 100.647 | 100.647 | 0.000 |
| 5 | 25 | 100.353 | 101.059 | 0.706 |
| 5 | 26 | 99.352 | 99.352 | 0.000 |
| 5 | 27 | 100.295 | 100.648 | 0.353 |
| 5 | 28 | 102.060 | 101.943 | -0.117 |
| 5 | 29 | 99.647 | 99.293 | -0.354 |
| 10 | 30 | 102.060 | 102.296 | 0.236 |
| 10 | 31 | 97.822 | 98.057 | 0.235 |
| 10 | 32 | 102.355 | 102.296 | -0.059 |
| 10 | 33 | 98.999 | 98.882 | -0.117 |
| 10 | 34 | 101.118 | 101.119 | 0.001 |
| 15 | 35 | 101.825 | 102.001 | 0.176 |
| 15 | 36 | 99.529 | 99.883 | 0.354 |
| 15 | 37 | 101.707 | 101.942 | 0.235 |
| 15 | 38 | 102.296 | 102.472 | 0.176 |
| 15 | 39 | 102.060 | 102.060 | 0.000 |
| 30 | 40 | 102.295 | 101.589 | -0.706 |
| 30 | 41 | 101.824 | 101.590 | -0.234 |
| 30 | 42 | 102.060 | 101.825 | -0.235 |
| 30 | 43 | 100.059 | 100.118 | 0.059 |
| 30 | 44 | 102.119 | 101.825 | -0.294 |
| 35 | 45 | 102.060 | 102.060 | 0.000 |
| 35 | 46 | 97.705 | 100.766 | 3.061 |
| 35 | 47 | 97.705 | 98.293 | 0.588 |
| 35 | 48 | 96.056 | 96.174 | 0.118 |
| 35 | 49 | 101.648 | 101.707 | 0.059 |
| 50 | 50 | 102.060 | 101.884 | -0.176 |
| 50 | 51 | 101.883 | 101.943 | 0.060 |
| 50 | 52 | 95.880 | 99.059 | 3.179 |
| 50 | 53 | 102.177 | 102.177 | 0.000 |
| 50 | 54 | 101.353 | 101.236 | -0.117 |
| 55 | 55 | 100.177 | 102.060 | 1.883 |
| 55 | 56 | 96.587 | 98.705 | 2.118 |
| 55 | 57 | 102.354 | 102.295 | -0.059 |
| 55 | 58 | 101.531 | 101.942 | 0.411 |
| 55 | 59 | 99.353 | 99.235 | -0.118 |
| 100 | 60 | 101.942 | 102.001 | 0.059 |
| 100 | 61 | 102.060 | 101.943 | -0.117 |
| 100 | 62 | 99.823 | 101.236 | 1.413 |
| 100 | 63 | 97.822 | 97.705 | -0.117 |
| 100 | 64 | 101.825 | 101.943 | 0.118 |
| 105 | 65 | 95.939 | 95.939 | 0.000 |
| 105 | 66 | 99.175 | 100.647 | 1.472 |
| 105 | 67 | 99.294 | 98.529 | -0.765 |
| 105 | 68 | 99.941 | 102.354 | 2.413 |
| 105 | 69 | 101.353 | 102.001 | 0.648 |
| | Max | 102.355 | 102.472 | 3.179 |
| | Average | 100.473 | 100.780 | 0.307 |
| | Min | 95.880 | 95.939 | -0.765 |
| | Std Dev | 1.861 | 1.628 | 0.837 |




| | 13.33_VTH_UP_HYS/UP/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 125 | mV | | | | | | | | | |
| Min Limit | 75 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 |
| Min | 98.940 | 100.058 | 99.293 | 98.057 | 99.883 | 100.118 | 96.174 | 99.059 | 98.705 | 97.705 | 95.939 |
| Average | 100.745 | 101.000 | 100.459 | 100.530 | #### | 101.389 | 99.800 | #### | 100.847 | #### | 99.894 |
| Max | 102.060 | 102.060 | 101.943 | 102.296 | #### | 101.825 | #### | #### | 102.295 | #### | 102.354 |
| UL | 125.000 | 125.000 | 125.000 | 125.000 | #### | 125.000 | #### | #### | 125.000 | #### | 125.000 |

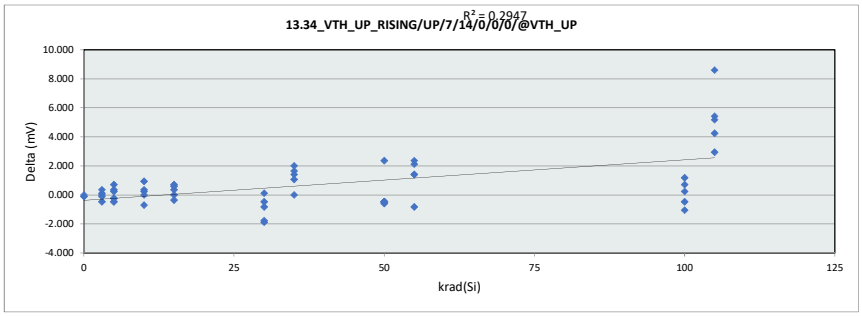


# TID HDR Report
# TPS7H3014-SP

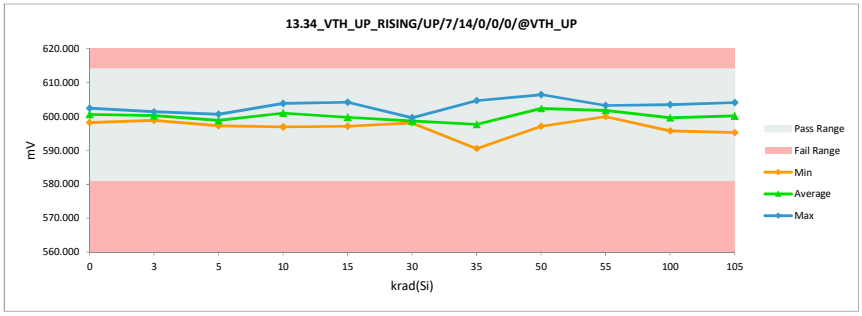
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.34_VTH_UP_RISING/U | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 615 | 614 |
| Min Limit | 580 | 581 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.236 | 601.118 | -0.118 |
| 0 | 14 | 602.413 | 602.413 | 0.000 |
| 0 | 15 | 598.293 | 598.175 | -0.118 |
| 3 | 20 | 601.825 | 601.354 | -0.471 |
| 3 | 21 | 598.529 | 598.882 | 0.353 |
| 3 | 22 | 599.941 | 600.059 | 0.118 |
| 3 | 23 | 599.823 | 599.706 | -0.117 |
| 3 | 24 | 601.118 | 601.118 | 0.000 |
| 5 | 25 | 599.235 | 599.941 | 0.706 |
| 5 | 26 | 596.998 | 597.234 | 0.236 |
| 5 | 27 | 597.234 | 597.587 | 0.353 |
| 5 | 28 | 598.999 | 598.764 | -0.235 |
| 5 | 29 | 601.118 | 600.647 | -0.471 |
| 10 | 30 | 602.884 | 603.826 | 0.942 |
| 10 | 31 | 600.412 | 600.647 | 0.235 |
| 10 | 32 | 600.530 | 600.883 | 0.353 |
| 10 | 33 | 596.881 | 596.881 | 0.000 |
| 10 | 34 | 603.355 | 602.649 | -0.706 |
| 15 | 35 | 597.822 | 598.175 | 0.353 |
| 15 | 36 | 597.351 | 598.058 | 0.707 |
| 15 | 37 | 596.527 | 597.116 | 0.589 |
| 15 | 38 | 604.179 | 604.179 | 0.000 |
| 15 | 39 | 601.471 | 601.118 | -0.353 |
| 30 | 40 | 599.941 | 598.058 | -1.883 |
| 30 | 41 | 599.235 | 598.411 | -0.824 |
| 30 | 42 | 599.117 | 598.646 | -0.471 |
| 30 | 43 | 599.470 | 599.588 | 0.118 |
| 30 | 44 | 600.294 | 598.529 | -1.765 |
| 35 | 45 | 604.650 | 604.650 | 0.000 |
| 35 | 46 | 598.529 | 600.177 | 1.648 |
| 35 | 47 | 594.291 | 595.703 | 1.412 |
| 35 | 48 | 589.464 | 590.524 | 1.060 |
| 35 | 49 | 595.232 | 597.234 | 2.002 |
| 50 | 50 | 604.650 | 604.179 | -0.471 |
| 50 | 51 | 603.943 | 603.355 | -0.588 |
| 50 | 52 | 594.762 | 597.116 | 2.354 |
| 50 | 53 | 606.886 | 606.416 | -0.470 |
| 50 | 54 | 601.118 | 600.647 | -0.471 |
| 55 | 55 | 598.529 | 599.941 | 1.412 |
| 55 | 56 | 599.706 | 601.118 | 1.412 |
| 55 | 57 | 603.590 | 602.766 | -0.824 |
| 55 | 58 | 599.706 | 601.825 | 2.119 |
| 55 | 59 | 600.883 | 603.237 | 2.354 |
| 100 | 60 | 599.235 | 598.175 | -1.060 |
| 100 | 61 | 603.943 | 603.473 | -0.470 |
| 100 | 62 | 594.997 | 595.703 | 0.706 |
| 100 | 63 | 598.999 | 599.235 | 0.236 |
| 100 | 64 | 600.177 | 601.354 | 1.177 |
| 105 | 65 | 594.997 | 599.235 | 4.238 |
| 105 | 66 | 595.232 | 600.647 | 5.415 |
| 105 | 67 | 590.053 | 595.232 | 5.179 |
| 105 | 68 | 595.468 | 604.061 | 8.593 |
| 105 | 69 | 598.646 | 601.589 | 2.943 |
| | Max | 606.886 | 606.416 | 8.593 |
| | Average | 599.319 | 600.026 | 0.706 |
| | Min | 589.464 | 590.524 | -1.883 |
| | Std Dev | 3.446 | 2.860 | 1.840 |




| | 13.34_VTH_UP_RISING/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 614 | mV | | | | | | | | | |
| Min Limit | 581 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 581.000 | 581.000 | 581.000 | 581.000 | #### | 581.000 | #### | #### | 581.000 | #### | 581.000 |
| Min | 598.175 | 598.882 | 597.234 | 596.881 | #### | 598.058 | #### | #### | 599.941 | #### | 595.232 |
| Average | 600.569 | 600.224 | 598.835 | 600.977 | #### | 598.646 | #### | #### | 601.777 | #### | 600.153 |
| Max | 602.413 | 601.354 | 600.647 | 603.826 | #### | 599.588 | #### | #### | 603.237 | #### | 604.061 |
| UL | 614.000 | 614.000 | 614.000 | 614.000 | #### | 614.000 | #### | #### | 614.000 | #### | 614.000 |

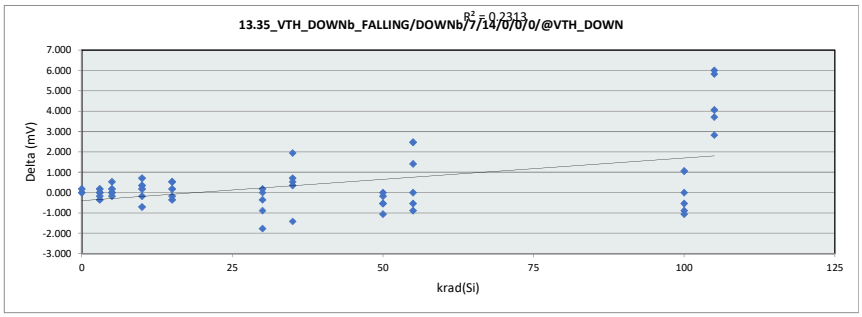


# TID HDR Report
# TPS7H3014-SP

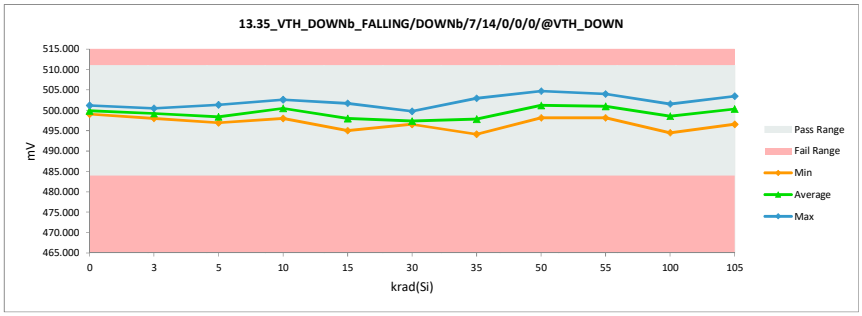
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.35_VTH_DOWNb_FALLI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 512 | 511 |
| Min Limit | 483 | 484 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 499.058 | 499.058 | 0.000 |
| 0 | 14 | 501.177 | 501.177 | 0.000 |
| 0 | 15 | 499.235 | 499.411 | 0.176 |
| 3 | 20 | 499.765 | 499.765 | 0.000 |
| 3 | 21 | 498.705 | 498.352 | -0.353 |
| 3 | 22 | 497.822 | 497.999 | 0.177 |
| 3 | 23 | 499.765 | 499.588 | -0.177 |
| 3 | 24 | 500.471 | 500.471 | 0.000 |
| 5 | 25 | 498.882 | 498.705 | -0.177 |
| 5 | 26 | 497.646 | 498.175 | 0.529 |
| 5 | 27 | 496.939 | 496.939 | 0.000 |
| 5 | 28 | 496.763 | 496.939 | 0.176 |
| 5 | 29 | 501.354 | 501.354 | 0.000 |
| 10 | 30 | 500.824 | 501.530 | 0.706 |
| 10 | 31 | 502.413 | 502.590 | 0.177 |
| 10 | 32 | 498.352 | 498.705 | 0.353 |
| 10 | 33 | 498.175 | 497.999 | -0.176 |
| 10 | 34 | 502.237 | 501.530 | -0.707 |
| 15 | 35 | 495.880 | 496.057 | 0.177 |
| 15 | 36 | 497.646 | 498.175 | 0.529 |
| 15 | 37 | 494.467 | 494.997 | 0.530 |
| 15 | 38 | 501.883 | 501.707 | -0.176 |
| 15 | 39 | 499.411 | 499.058 | -0.353 |
| 30 | 40 | 497.469 | 496.586 | -0.883 |
| 30 | 41 | 497.293 | 496.939 | -0.354 |
| 30 | 42 | 496.939 | 496.939 | 0.000 |
| 30 | 43 | 499.588 | 499.765 | 0.177 |
| 30 | 44 | 498.352 | 496.586 | -1.766 |
| 35 | 45 | 502.590 | 502.943 | 0.353 |
| 35 | 46 | 500.824 | 499.411 | -1.413 |
| 35 | 47 | 496.586 | 497.116 | 0.530 |
| 35 | 48 | 493.408 | 494.114 | 0.706 |
| 35 | 49 | 493.584 | 495.527 | 1.943 |
| 50 | 50 | 502.590 | 502.413 | -0.177 |
| 50 | 51 | 502.060 | 501.530 | -0.530 |
| 50 | 52 | 499.235 | 498.175 | -1.060 |
| 50 | 53 | 504.709 | 504.709 | 0.000 |
| 50 | 54 | 499.765 | 499.235 | -0.530 |
| 55 | 55 | 498.175 | 498.175 | 0.000 |
| 55 | 56 | 502.943 | 502.413 | -0.530 |
| 55 | 57 | 501.354 | 500.471 | -0.883 |
| 55 | 58 | 498.352 | 499.765 | 1.413 |
| 55 | 59 | 501.530 | 504.002 | 2.472 |
| 100 | 60 | 497.293 | 496.233 | -1.060 |
| 100 | 61 | 502.060 | 501.530 | -0.530 |
| 100 | 62 | 495.350 | 494.467 | -0.883 |
| 100 | 63 | 501.177 | 501.177 | 0.000 |
| 100 | 64 | 498.352 | 499.411 | 1.059 |
| 105 | 65 | 499.411 | 503.473 | 4.062 |
| 105 | 66 | 496.233 | 499.941 | 3.708 |
| 105 | 67 | 490.759 | 496.586 | 5.827 |
| 105 | 68 | 495.880 | 501.883 | 6.003 |
| 105 | 69 | 496.939 | 499.765 | 2.826 |
| | Max | 504.709 | 504.709 | 6.003 |
| | Average | 498.862 | 499.275 | 0.413 |
| | Min | 490.759 | 494.114 | -1.766 |
| | Std Dev | 2.738 | 2.489 | 1.560 |




| | 13.35_VTH_DOWNb_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 511 | mV | | | | | | | | | |
| Min Limit | 484 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 484.000 | 484.000 | 484.000 | 484.000 | #### | 484.000 | #### | #### | 484.000 | #### | 484.000 |
| Min | 499.058 | 497.999 | 496.939 | 497.999 | #### | 496.586 | #### | #### | 498.175 | #### | 496.586 |
| Average | 499.882 | 499.235 | 498.422 | 500.471 | #### | 497.363 | #### | #### | 500.965 | #### | 500.330 |
| Max | 501.177 | 500.471 | 501.354 | 502.590 | #### | 499.765 | #### | #### | 504.002 | #### | 503.473 |
| UL | 511.000 | 511.000 | 511.000 | 511.000 | #### | 511.000 | #### | #### | 511.000 | #### | 511.000 |

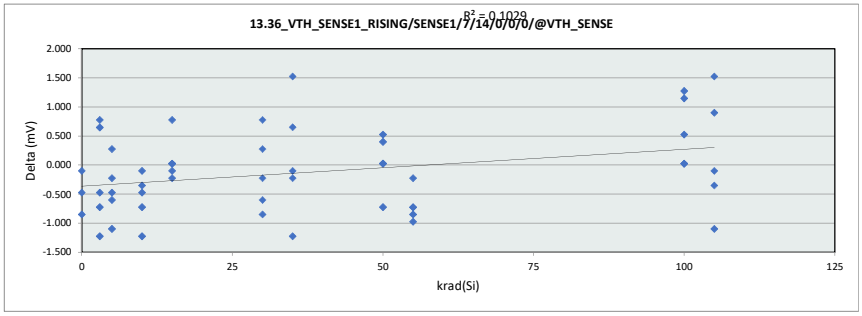


# TID HDR Report
# TPS7H3014-SP

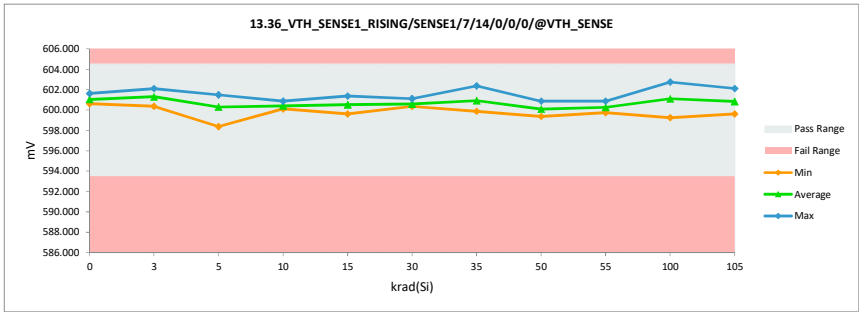
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.36_VTH_SENSE1_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.710 | 601.610 | -0.100 |
| 0 | 14 | 601.710 | 600.861 | -0.849 |
| 0 | 15 | 601.086 | 600.611 | -0.475 |
| 3 | 20 | 600.336 | 601.111 | 0.775 |
| 3 | 21 | 602.085 | 601.361 | -0.724 |
| 3 | 22 | 601.461 | 602.110 | 0.649 |
| 3 | 23 | 602.085 | 601.610 | -0.475 |
| 3 | 24 | 601.586 | 600.362 | -1.224 |
| 5 | 25 | 599.462 | 598.363 | -1.099 |
| 5 | 26 | 601.086 | 600.861 | -0.225 |
| 5 | 27 | 600.336 | 600.611 | 0.275 |
| 5 | 28 | 600.586 | 600.112 | -0.474 |
| 5 | 29 | 602.085 | 601.486 | -0.599 |
| 10 | 30 | 601.336 | 600.112 | -1.224 |
| 10 | 31 | 600.961 | 600.861 | -0.100 |
| 10 | 32 | 600.711 | 600.237 | -0.474 |
| 10 | 33 | 600.836 | 600.486 | -0.350 |
| 10 | 34 | 601.086 | 600.362 | -0.724 |
| 15 | 35 | 600.087 | 600.112 | 0.025 |
| 15 | 36 | 600.336 | 600.112 | -0.224 |
| 15 | 37 | 599.587 | 599.612 | 0.025 |
| 15 | 38 | 600.586 | 601.361 | 0.775 |
| 15 | 39 | 601.461 | 601.361 | -0.100 |
| 30 | 40 | 600.461 | 600.736 | 0.275 |
| 30 | 41 | 599.587 | 600.362 | 0.775 |
| 30 | 42 | 600.586 | 600.362 | -0.224 |
| 30 | 43 | 601.211 | 600.362 | -0.849 |
| 30 | 44 | 601.710 | 601.111 | -0.599 |
| 35 | 45 | 600.087 | 599.862 | -0.225 |
| 35 | 46 | 601.336 | 601.236 | -0.100 |
| 35 | 47 | 601.710 | 602.360 | 0.650 |
| 35 | 48 | 601.336 | 600.112 | -1.224 |
| 35 | 49 | 599.462 | 600.986 | 1.524 |
| 50 | 50 | 600.836 | 600.861 | 0.025 |
| 50 | 51 | 600.211 | 600.237 | 0.026 |
| 50 | 52 | 598.838 | 599.363 | 0.525 |
| 50 | 53 | 600.586 | 599.862 | -0.724 |
| 50 | 54 | 599.712 | 600.112 | 0.400 |
| 55 | 55 | 601.461 | 600.736 | -0.725 |
| 55 | 56 | 601.586 | 600.861 | -0.725 |
| 55 | 57 | 600.461 | 600.237 | -0.224 |
| 55 | 58 | 600.711 | 599.737 | -0.974 |
| 55 | 59 | 600.586 | 599.737 | -0.849 |
| 100 | 60 | 599.462 | 600.736 | 1.274 |
| 100 | 61 | 600.961 | 600.986 | 0.025 |
| 100 | 62 | 601.835 | 601.860 | 0.025 |
| 100 | 63 | 601.586 | 602.734 | 1.148 |
| 100 | 64 | 598.713 | 599.238 | 0.525 |
| 105 | 65 | 599.712 | 601.236 | 1.524 |
| 105 | 66 | 599.962 | 599.612 | -0.350 |
| 105 | 67 | 601.586 | 601.486 | -0.100 |
| 105 | 68 | 601.211 | 602.110 | 0.899 |
| 105 | 69 | 600.836 | 599.737 | -1.099 |
| | Max | 602.085 | 602.734 | 1.524 |
| | Average | 600.772 | 600.654 | -0.119 |
| | Min | 598.713 | 598.363 | -1.224 |
| | Std Dev | 0.840 | 0.841 | 0.707 |




| | 13.36_VTH_SENSE1_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.611 | 600.362 | 598.363 | 600.112 | #### | 600.362 | #### | #### | 599.737 | #### | 599.612 |
| Average | 601.027 | 601.311 | 600.287 | 600.412 | #### | 600.587 | #### | #### | 600.262 | #### | 600.836 |
| Max | 601.610 | 602.110 | 601.486 | 600.861 | #### | 601.111 | #### | #### | 600.861 | #### | 602.110 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

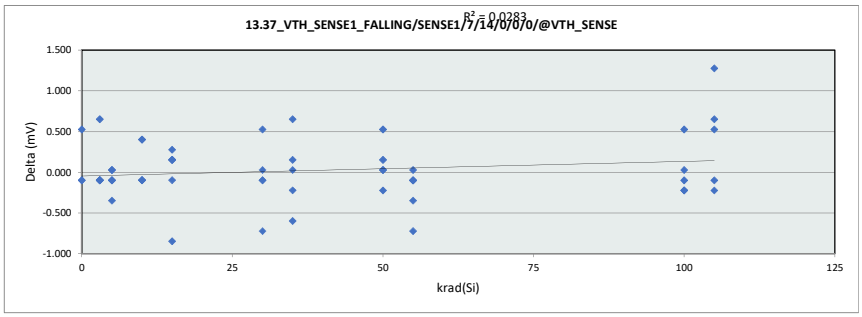


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

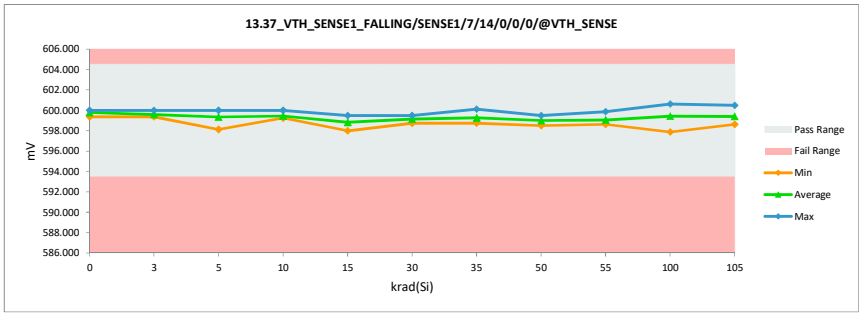
| | 13.37_VTH_SENSE1_FALLI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.089 | 599.990 | -0.099 |
| 0 | 14 | 599.464 | 599.990 | 0.526 |
| 0 | 15 | 599.464 | 599.366 | -0.098 |
| 3 | 20 | 599.464 | 599.366 | -0.098 |
| 3 | 21 | 599.464 | 599.366 | -0.098 |
| 3 | 22 | 599.464 | 599.366 | -0.098 |
| 3 | 23 | 600.089 | 599.990 | -0.099 |
| 3 | 24 | 599.215 | 599.865 | 0.650 |
| 5 | 25 | 598.215 | 598.117 | -0.098 |
| 5 | 26 | 600.089 | 599.990 | -0.099 |
| 5 | 27 | 599.964 | 599.990 | 0.026 |
| 5 | 28 | 598.715 | 598.741 | 0.026 |
| 5 | 29 | 600.214 | 599.865 | -0.349 |
| 10 | 30 | 599.589 | 599.990 | 0.401 |
| 10 | 31 | 599.464 | 599.366 | -0.098 |
| 10 | 32 | 599.464 | 599.366 | -0.098 |
| 10 | 33 | 598.840 | 599.241 | 0.401 |
| 10 | 34 | 599.339 | 599.241 | -0.098 |
| 15 | 35 | 598.090 | 597.992 | -0.098 |
| 15 | 36 | 598.715 | 598.866 | 0.151 |
| 15 | 37 | 598.215 | 598.491 | 0.276 |
| 15 | 38 | 599.339 | 599.490 | 0.151 |
| 15 | 39 | 600.089 | 599.241 | -0.848 |
| 30 | 40 | 599.464 | 599.366 | -0.098 |
| 30 | 41 | 598.840 | 598.741 | -0.099 |
| 30 | 42 | 598.965 | 599.490 | 0.525 |
| 30 | 43 | 598.715 | 598.741 | 0.026 |
| 30 | 44 | 600.089 | 599.366 | -0.723 |
| 35 | 45 | 598.715 | 598.866 | 0.151 |
| 35 | 46 | 599.464 | 599.241 | -0.223 |
| 35 | 47 | 600.713 | 600.115 | -0.598 |
| 35 | 48 | 599.339 | 599.366 | 0.027 |
| 35 | 49 | 598.090 | 598.741 | 0.651 |
| 50 | 50 | 599.339 | 599.490 | 0.151 |
| 50 | 51 | 598.715 | 598.491 | -0.224 |
| 50 | 52 | 598.090 | 598.616 | 0.526 |
| 50 | 53 | 599.464 | 599.490 | 0.026 |
| 50 | 54 | 598.840 | 598.866 | 0.026 |
| 55 | 55 | 599.964 | 599.241 | -0.723 |
| 55 | 56 | 600.214 | 599.865 | -0.349 |
| 55 | 57 | 598.715 | 598.741 | 0.026 |
| 55 | 58 | 598.715 | 598.616 | -0.099 |
| 55 | 59 | 598.840 | 598.741 | -0.099 |
| 100 | 60 | 598.715 | 598.741 | 0.026 |
| 100 | 61 | 599.464 | 599.241 | -0.223 |
| 100 | 62 | 600.838 | 600.614 | -0.224 |
| 100 | 63 | 600.713 | 600.614 | -0.099 |
| 100 | 64 | 597.341 | 597.867 | 0.526 |
| 105 | 65 | 598.715 | 599.366 | 0.651 |
| 105 | 66 | 597.341 | 598.616 | 1.275 |
| 105 | 67 | 600.089 | 599.865 | -0.224 |
| 105 | 68 | 600.589 | 600.490 | -0.099 |
| 105 | 69 | 598.090 | 598.616 | 0.526 |
| | Max | 600.838 | 600.614 | 1.275 |
| | Average | 599.250 | 599.274 | 0.024 |
| | Min | 597.341 | 597.867 | -0.848 |
| | Std Dev | 0.814 | 0.635 | 0.381 |




| | 13.37_VTH_SENSE1_FAL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 604.5 | mV |
| Min Limit | 593.5 | mV |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.366 | 599.366 | 598.117 | 599.241 | #### | 598.741 | #### | #### | 598.616 | #### | 598.616 |
| Average | 599.782 | 599.591 | 599.341 | 599.441 | #### | 599.141 | #### | #### | 599.041 | #### | 599.391 |
| Max | 599.990 | 599.990 | 599.990 | 599.990 | #### | 599.490 | #### | #### | 599.865 | #### | 600.490 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

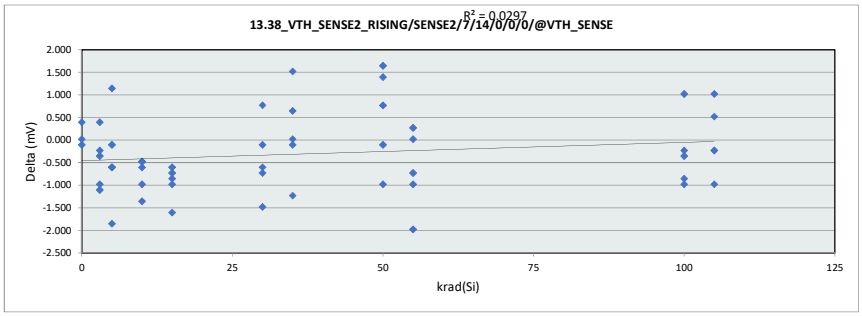


# TID HDR Report
# TPS7H3014-SP

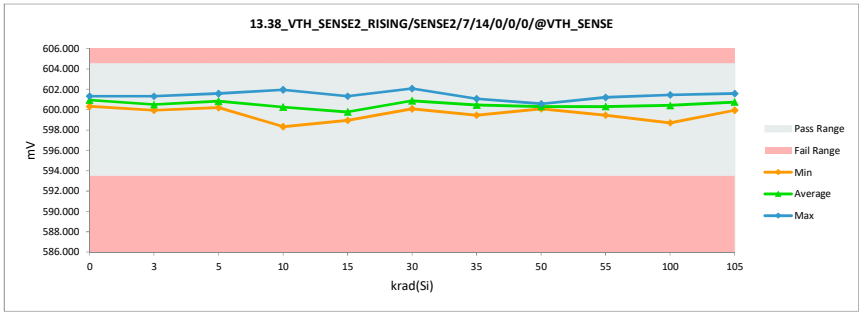
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.38_VTH_SENSE2_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.926 | 601.322 | 0.396 |
| 0 | 14 | 601.300 | 601.197 | -0.103 |
| 0 | 15 | 600.301 | 600.323 | 0.022 |
| 3 | 20 | 601.425 | 600.323 | -1.102 |
| 3 | 21 | 601.425 | 600.447 | -0.978 |
| 3 | 22 | 600.051 | 600.447 | 0.396 |
| 3 | 23 | 600.176 | 599.948 | -0.228 |
| 3 | 24 | 601.675 | 601.322 | -0.353 |
| 5 | 25 | 600.926 | 600.323 | -0.603 |
| 5 | 26 | 603.174 | 601.322 | -1.852 |
| 5 | 27 | 600.801 | 600.697 | -0.104 |
| 5 | 28 | 600.801 | 600.198 | -0.603 |
| 5 | 29 | 600.426 | 601.571 | 1.145 |
| 10 | 30 | 601.300 | 600.822 | -0.478 |
| 10 | 31 | 601.176 | 600.697 | -0.479 |
| 10 | 32 | 600.426 | 599.448 | -0.978 |
| 10 | 33 | 599.677 | 598.324 | -1.353 |
| 10 | 34 | 602.550 | 601.946 | -0.604 |
| 15 | 35 | 599.926 | 598.949 | -0.977 |
| 15 | 36 | 600.426 | 599.573 | -0.853 |
| 15 | 37 | 600.426 | 599.698 | -0.728 |
| 15 | 38 | 600.926 | 599.324 | -1.602 |
| 15 | 39 | 601.925 | 601.322 | -0.603 |
| 30 | 40 | 601.300 | 602.071 | 0.771 |
| 30 | 41 | 601.550 | 600.073 | -1.477 |
| 30 | 42 | 601.800 | 601.072 | -0.728 |
| 30 | 43 | 601.051 | 600.947 | -0.104 |
| 30 | 44 | 600.801 | 600.198 | -0.603 |
| 35 | 45 | 600.926 | 600.822 | -0.104 |
| 35 | 46 | 601.051 | 599.823 | -1.228 |
| 35 | 47 | 601.051 | 601.072 | 0.021 |
| 35 | 48 | 599.552 | 601.072 | 1.520 |
| 35 | 49 | 598.802 | 599.448 | 0.646 |
| 50 | 50 | 601.051 | 600.073 | -0.978 |
| 50 | 51 | 598.927 | 600.572 | 1.645 |
| 50 | 52 | 598.677 | 600.073 | 1.396 |
| 50 | 53 | 600.426 | 600.323 | -0.103 |
| 50 | 54 | 599.677 | 600.447 | 0.770 |
| 55 | 55 | 601.800 | 599.823 | -1.977 |
| 55 | 56 | 600.676 | 599.948 | -0.728 |
| 55 | 57 | 601.051 | 601.072 | 0.021 |
| 55 | 58 | 600.426 | 599.448 | -0.978 |
| 55 | 59 | 600.926 | 601.197 | 0.271 |
| 100 | 60 | 600.301 | 599.948 | -0.353 |
| 100 | 61 | 600.051 | 601.072 | 1.021 |
| 100 | 62 | 601.176 | 600.947 | -0.229 |
| 100 | 63 | 602.300 | 601.447 | -0.853 |
| 100 | 64 | 599.677 | 598.699 | -0.978 |
| 105 | 65 | 600.551 | 600.323 | -0.228 |
| 105 | 66 | 599.926 | 600.447 | 0.521 |
| 105 | 67 | 601.800 | 601.571 | -0.229 |
| 105 | 68 | 600.426 | 601.447 | 1.021 |
| 105 | 69 | 600.926 | 599.948 | -0.978 |
| | Max | 603.174 | 602.071 | 1.645 |
| | Average | 600.770 | 600.471 | -0.299 |
| | Min | 598.677 | 598.324 | -1.977 |
| | Std Dev | 0.884 | 0.811 | 0.844 |




| | 13.38_VTH_SENSE2_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.323 | 599.948 | 600.198 | 598.324 | #### | 600.073 | #### | #### | 599.448 | #### | 599.948 |
| Average | 600.947 | 600.497 | 600.822 | 600.247 | #### | 600.872 | #### | #### | 600.298 | #### | 600.747 |
| Max | 601.322 | 601.322 | 601.571 | 601.946 | #### | 602.071 | #### | #### | 601.197 | #### | 601.571 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

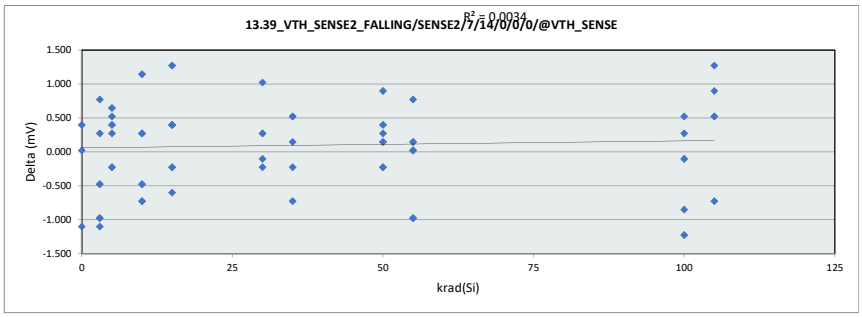


# TID HDR Report
# TPS7H3014-SP

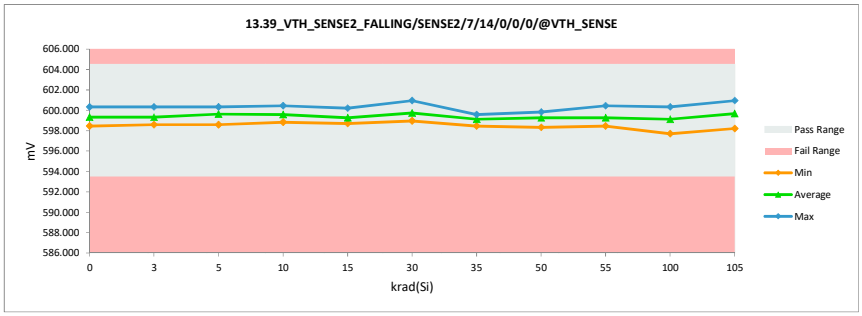
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.39_VTH_SENSE2_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 599.929 | 600.326 | 0.397 |
| 0 | 14 | 599.180 | 599.202 | 0.022 |
| 0 | 15 | 599.554 | 598.452 | -1.102 |
| 3 | 20 | 599.305 | 600.076 | 0.771 |
| 3 | 21 | 599.679 | 598.702 | -0.977 |
| 3 | 22 | 599.429 | 598.952 | -0.477 |
| 3 | 23 | 599.679 | 598.577 | -1.102 |
| 3 | 24 | 600.054 | 600.326 | 0.272 |
| 5 | 25 | 599.055 | 599.701 | 0.646 |
| 5 | 26 | 599.804 | 600.326 | 0.522 |
| 5 | 27 | 599.429 | 599.826 | 0.397 |
| 5 | 28 | 598.805 | 598.577 | -0.228 |
| 5 | 29 | 599.429 | 599.701 | 0.272 |
| 10 | 30 | 599.554 | 598.827 | -0.727 |
| 10 | 31 | 599.804 | 599.327 | -0.477 |
| 10 | 32 | 599.305 | 600.450 | 1.145 |
| 10 | 33 | 598.555 | 598.827 | 0.272 |
| 10 | 34 | 600.179 | 600.450 | 0.271 |
| 15 | 35 | 598.305 | 598.702 | 0.397 |
| 15 | 36 | 599.429 | 598.827 | -0.602 |
| 15 | 37 | 598.680 | 599.951 | 1.271 |
| 15 | 38 | 598.930 | 598.702 | -0.228 |
| 15 | 39 | 599.804 | 600.201 | 0.397 |
| 30 | 40 | 599.929 | 600.201 | 0.272 |
| 30 | 41 | 599.180 | 598.952 | -0.228 |
| 30 | 42 | 599.929 | 600.950 | 1.021 |
| 30 | 43 | 598.805 | 599.077 | 0.272 |
| 30 | 44 | 599.554 | 599.451 | -0.103 |
| 35 | 45 | 599.554 | 599.327 | -0.227 |
| 35 | 46 | 599.429 | 598.702 | -0.727 |
| 35 | 47 | 599.429 | 599.576 | 0.147 |
| 35 | 48 | 599.055 | 599.576 | 0.521 |
| 35 | 49 | 597.931 | 598.452 | 0.521 |
| 50 | 50 | 599.679 | 599.826 | 0.147 |
| 50 | 51 | 599.055 | 599.327 | 0.272 |
| 50 | 52 | 597.431 | 598.327 | 0.896 |
| 50 | 53 | 599.804 | 599.576 | -0.228 |
| 50 | 54 | 598.930 | 599.327 | 0.397 |
| 55 | 55 | 599.180 | 599.202 | 0.022 |
| 55 | 56 | 599.929 | 598.952 | -0.977 |
| 55 | 57 | 599.679 | 600.450 | 0.771 |
| 55 | 58 | 598.305 | 598.452 | 0.147 |
| 55 | 59 | 599.305 | 599.327 | 0.022 |
| 100 | 60 | 598.680 | 599.202 | 0.522 |
| 100 | 61 | 598.805 | 599.077 | 0.272 |
| 100 | 62 | 600.179 | 599.327 | -0.852 |
| 100 | 63 | 600.429 | 600.326 | -0.103 |
| 100 | 64 | 598.930 | 597.703 | -1.227 |
| 105 | 65 | 598.930 | 600.201 | 1.271 |
| 105 | 66 | 598.680 | 599.202 | 0.522 |
| 105 | 67 | 600.054 | 600.950 | 0.896 |
| 105 | 68 | 599.305 | 599.826 | 0.521 |
| 105 | 69 | 598.930 | 598.203 | -0.727 |
| | Max | 600.429 | 600.950 | 1.271 |
| | Average | 599.300 | 599.397 | 0.097 |
| | Min | 597.431 | 597.703 | -1.227 |
| | Std Dev | 0.591 | 0.740 | 0.630 |




| | 13.39_VTH_SENSE2_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 598.452 | 598.577 | 598.577 | 598.827 | #### | 598.952 | #### | #### | 598.452 | #### | 598.203 |
| Average | 599.327 | 599.327 | 599.626 | 599.576 | #### | 599.726 | #### | #### | 599.277 | #### | 599.676 |
| Max | 600.326 | 600.326 | 600.326 | 600.450 | #### | 600.950 | #### | #### | 600.450 | #### | 600.950 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

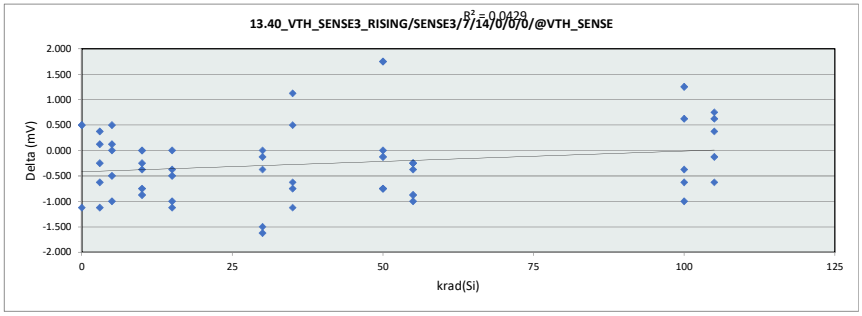


# TID HDR Report
# TPS7H3014-SP

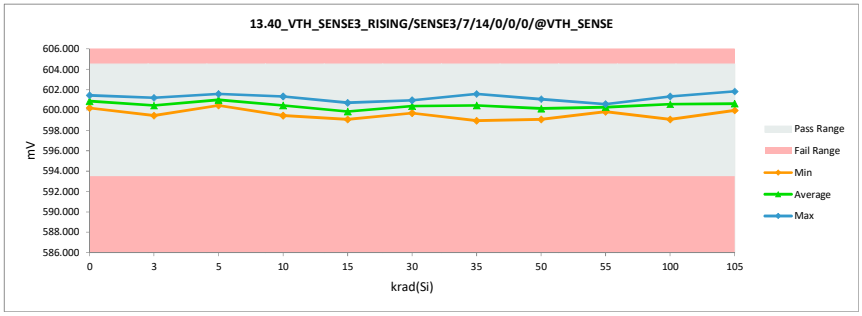
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.40_VTH_SENSE3_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.944 | 601.446 | 0.502 |
| 0 | 14 | 600.444 | 600.946 | 0.502 |
| 0 | 15 | 601.319 | 600.197 | -1.122 |
| 3 | 20 | 600.944 | 600.697 | -0.247 |
| 3 | 21 | 600.569 | 599.947 | -0.622 |
| 3 | 22 | 600.819 | 601.196 | 0.377 |
| 3 | 23 | 600.569 | 599.448 | -1.121 |
| 3 | 24 | 600.819 | 600.946 | 0.127 |
| 5 | 25 | 601.444 | 600.447 | -0.997 |
| 5 | 26 | 601.194 | 601.321 | 0.127 |
| 5 | 27 | 600.694 | 601.196 | 0.502 |
| 5 | 28 | 600.444 | 600.447 | 0.003 |
| 5 | 29 | 602.068 | 601.571 | -0.497 |
| 10 | 30 | 601.069 | 601.071 | 0.002 |
| 10 | 31 | 600.320 | 600.072 | -0.248 |
| 10 | 32 | 600.694 | 600.322 | -0.372 |
| 10 | 33 | 600.320 | 599.448 | -0.872 |
| 10 | 34 | 602.068 | 601.321 | -0.747 |
| 15 | 35 | 599.570 | 599.073 | -0.497 |
| 15 | 36 | 600.195 | 599.073 | -1.122 |
| 15 | 37 | 600.819 | 599.822 | -0.997 |
| 15 | 38 | 601.069 | 600.697 | -0.372 |
| 15 | 39 | 600.569 | 600.572 | 0.003 |
| 30 | 40 | 601.319 | 600.946 | -0.373 |
| 30 | 41 | 601.319 | 599.698 | -1.621 |
| 30 | 42 | 600.944 | 600.822 | -0.122 |
| 30 | 43 | 601.194 | 599.698 | -1.496 |
| 30 | 44 | 600.694 | 600.697 | 0.003 |
| 35 | 45 | 600.444 | 601.571 | 1.127 |
| 35 | 46 | 601.069 | 600.322 | -0.747 |
| 35 | 47 | 601.569 | 600.447 | -1.122 |
| 35 | 48 | 600.444 | 600.946 | 0.502 |
| 35 | 49 | 599.570 | 598.948 | -0.622 |
| 50 | 50 | 601.194 | 601.071 | -0.123 |
| 50 | 51 | 599.445 | 599.448 | 0.003 |
| 50 | 52 | 599.070 | 600.822 | 1.752 |
| 50 | 53 | 601.069 | 600.322 | -0.747 |
| 50 | 54 | 599.820 | 599.073 | -0.747 |
| 55 | 55 | 600.944 | 600.072 | -0.872 |
| 55 | 56 | 600.819 | 600.572 | -0.247 |
| 55 | 57 | 600.819 | 600.447 | -0.372 |
| 55 | 58 | 600.819 | 599.822 | -0.997 |
| 55 | 59 | 600.694 | 600.447 | -0.247 |
| 100 | 60 | 600.694 | 601.321 | 0.627 |
| 100 | 61 | 599.445 | 600.697 | 1.252 |
| 100 | 62 | 601.444 | 600.822 | -0.622 |
| 100 | 63 | 601.943 | 600.946 | -0.997 |
| 100 | 64 | 599.445 | 599.073 | -0.372 |
| 105 | 65 | 601.069 | 601.821 | 0.752 |
| 105 | 66 | 599.820 | 600.447 | 0.627 |
| 105 | 67 | 600.694 | 600.072 | -0.622 |
| 105 | 68 | 600.944 | 600.822 | -0.122 |
| 105 | 69 | 599.570 | 599.947 | 0.377 |
| | Max | 602.068 | 601.821 | 1.752 |
| | Average | 600.704 | 600.442 | -0.261 |
| | Min | 599.070 | 598.948 | -1.621 |
| | Std Dev | 0.675 | 0.726 | 0.702 |




| | 13.40_VTH_SENSE3_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 600.197 | 599.448 | 600.447 | 599.448 | #### | 599.698 | #### | #### | 599.822 | #### | 599.947 |
| Average | 600.863 | 600.447 | 600.996 | 600.447 | #### | 600.372 | #### | #### | 600.272 | #### | 600.622 |
| Max | 601.446 | 601.196 | 601.571 | 601.321 | #### | 600.946 | #### | #### | 600.572 | #### | 601.821 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

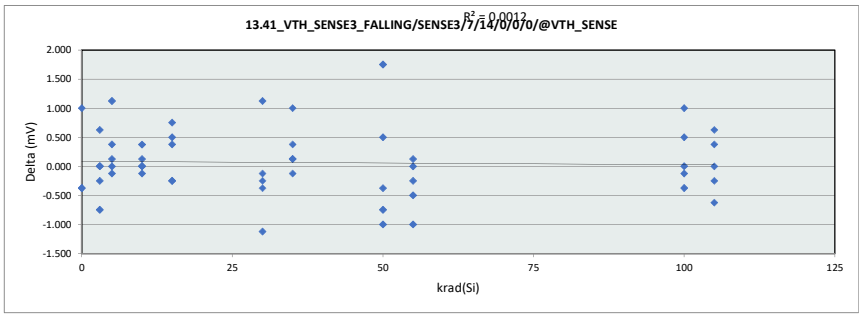


# TID HDR Report
# TPS7H3014-SP

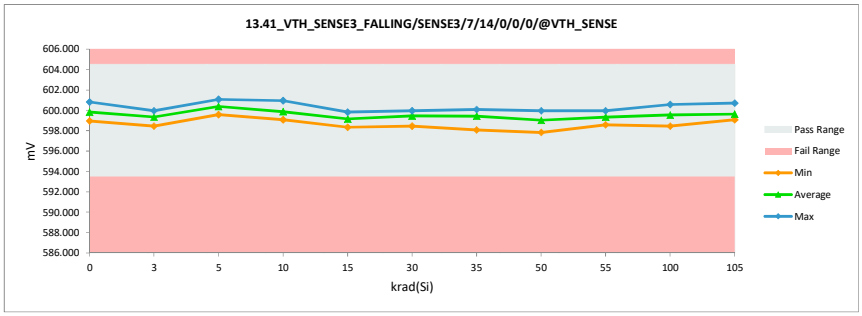
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.41_VTH_SENSE3_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 600.072 | 599.700 | -0.372 |
| 0 | 14 | 599.822 | 600.824 | 1.002 |
| 0 | 15 | 599.322 | 598.951 | -0.371 |
| 3 | 20 | 599.572 | 599.576 | 0.004 |
| 3 | 21 | 598.948 | 599.576 | 0.628 |
| 3 | 22 | 599.947 | 599.201 | -0.746 |
| 3 | 23 | 598.448 | 598.452 | 0.004 |
| 3 | 24 | 600.197 | 599.950 | -0.247 |
| 5 | 25 | 599.697 | 599.700 | 0.003 |
| 5 | 26 | 600.946 | 600.824 | -0.122 |
| 5 | 27 | 599.947 | 601.074 | 1.127 |
| 5 | 28 | 599.447 | 599.576 | 0.129 |
| 5 | 29 | 600.322 | 600.700 | 0.378 |
| 10 | 30 | 600.322 | 600.200 | -0.122 |
| 10 | 31 | 598.948 | 599.076 | 0.128 |
| 10 | 32 | 599.572 | 599.576 | 0.004 |
| 10 | 33 | 599.572 | 599.576 | 0.004 |
| 10 | 34 | 600.572 | 600.949 | 0.377 |
| 15 | 35 | 597.574 | 598.327 | 0.753 |
| 15 | 36 | 599.447 | 599.201 | -0.246 |
| 15 | 37 | 598.698 | 599.076 | 0.378 |
| 15 | 38 | 598.823 | 599.326 | 0.503 |
| 15 | 39 | 600.072 | 599.825 | -0.247 |
| 30 | 40 | 598.823 | 599.950 | 1.127 |
| 30 | 41 | 600.322 | 599.950 | -0.372 |
| 30 | 42 | 599.822 | 599.576 | -0.246 |
| 30 | 43 | 599.572 | 598.452 | -1.120 |
| 30 | 44 | 599.447 | 599.326 | -0.121 |
| 35 | 45 | 599.197 | 599.326 | 0.129 |
| 35 | 46 | 599.947 | 599.825 | -0.122 |
| 35 | 47 | 599.073 | 600.075 | 1.002 |
| 35 | 48 | 599.447 | 599.825 | 0.378 |
| 35 | 49 | 597.948 | 598.077 | 0.129 |
| 50 | 50 | 600.322 | 599.950 | -0.372 |
| 50 | 51 | 599.073 | 598.077 | -0.996 |
| 50 | 52 | 598.198 | 599.950 | 1.752 |
| 50 | 53 | 598.823 | 599.326 | 0.503 |
| 50 | 54 | 598.573 | 597.827 | -0.746 |
| 55 | 55 | 600.322 | 599.326 | -0.996 |
| 55 | 56 | 599.447 | 599.576 | 0.129 |
| 55 | 57 | 599.447 | 599.201 | -0.246 |
| 55 | 58 | 598.573 | 598.576 | 0.003 |
| 55 | 59 | 600.447 | 599.950 | -0.497 |
| 100 | 60 | 599.572 | 600.575 | 1.003 |
| 100 | 61 | 598.948 | 599.451 | 0.503 |
| 100 | 62 | 599.697 | 599.326 | -0.371 |
| 100 | 63 | 600.072 | 599.950 | -0.122 |
| 100 | 64 | 598.448 | 598.452 | 0.004 |
| 105 | 65 | 600.322 | 600.700 | 0.378 |
| 105 | 66 | 598.448 | 599.076 | 0.628 |
| 105 | 67 | 599.822 | 599.201 | -0.621 |
| 105 | 68 | 599.947 | 599.950 | 0.003 |
| 105 | 69 | 599.447 | 599.201 | -0.246 |
| | Max | 600.946 | 601.074 | 1.752 |
| | Average | 599.469 | 599.533 | 0.065 |
| | Min | 597.574 | 597.827 | -1.120 |
| | Std Dev | 0.722 | 0.744 | 0.579 |




| | 13.41_VTH_SENSE3_FAL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 598.951 | 598.452 | 599.576 | 599.076 | #### | 598.452 | #### | #### | 598.576 | #### | 599.076 |
| Average | 599.825 | 599.351 | 600.375 | 599.875 | #### | 599.451 | #### | #### | 599.326 | #### | 599.626 |
| Max | 600.824 | 599.950 | 601.074 | 600.949 | #### | 599.950 | #### | #### | 599.950 | #### | 600.700 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

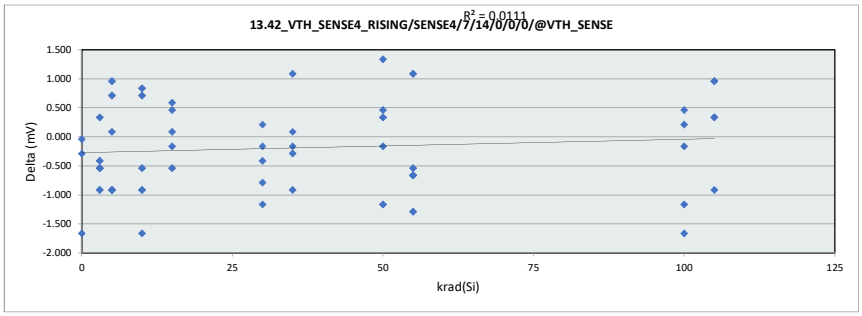


# TID HDR Report
# TPS7H3014-SP

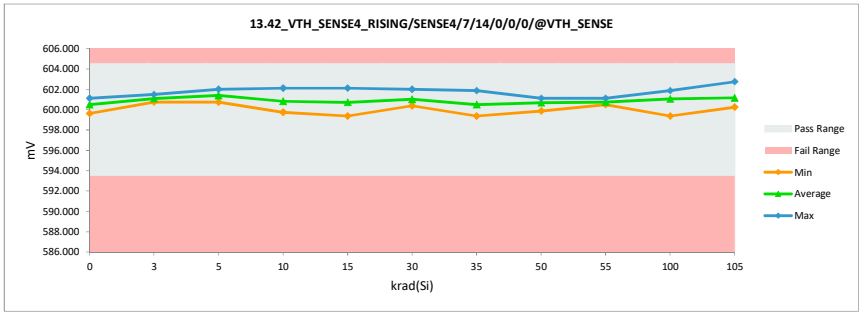
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.42_VTH_SENSE4_RISIN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 601.030 | 600.740 | -0.290 |
| 0 | 14 | 601.155 | 601.115 | -0.040 |
| 0 | 15 | 601.279 | 599.616 | -1.663 |
| 3 | 20 | 600.780 | 601.115 | 0.335 |
| 3 | 21 | 601.404 | 600.865 | -0.539 |
| 3 | 22 | 601.654 | 601.240 | -0.414 |
| 3 | 23 | 602.029 | 601.490 | -0.539 |
| 3 | 24 | 601.654 | 600.740 | -0.914 |
| 5 | 25 | 600.030 | 600.740 | 0.710 |
| 5 | 26 | 602.279 | 601.365 | -0.914 |
| 5 | 27 | 601.779 | 600.865 | -0.914 |
| 5 | 28 | 601.030 | 601.989 | 0.959 |
| 5 | 29 | 601.904 | 601.989 | 0.085 |
| 10 | 30 | 600.405 | 601.240 | 0.835 |
| 10 | 31 | 601.654 | 599.991 | -1.663 |
| 10 | 32 | 601.904 | 600.990 | -0.914 |
| 10 | 33 | 600.280 | 599.741 | -0.539 |
| 10 | 34 | 601.404 | 602.114 | 0.710 |
| 15 | 35 | 600.030 | 600.116 | 0.086 |
| 15 | 36 | 599.531 | 599.367 | -0.164 |
| 15 | 37 | 600.655 | 600.116 | -0.539 |
| 15 | 38 | 601.404 | 601.864 | 0.460 |
| 15 | 39 | 601.529 | 602.114 | 0.585 |
| 30 | 40 | 602.154 | 601.989 | -0.165 |
| 30 | 41 | 600.405 | 600.616 | 0.211 |
| 30 | 42 | 601.529 | 600.740 | -0.789 |
| 30 | 43 | 600.780 | 600.366 | -0.414 |
| 30 | 44 | 602.529 | 601.365 | -1.164 |
| 35 | 45 | 600.905 | 600.616 | -0.289 |
| 35 | 46 | 600.530 | 599.616 | -0.914 |
| 35 | 47 | 600.780 | 601.864 | 1.084 |
| 35 | 48 | 600.905 | 600.990 | 0.085 |
| 35 | 49 | 599.531 | 599.367 | -0.164 |
| 50 | 50 | 601.779 | 600.616 | -1.163 |
| 50 | 51 | 600.530 | 600.990 | 0.460 |
| 50 | 52 | 599.406 | 600.740 | 1.334 |
| 50 | 53 | 600.030 | 599.866 | -0.164 |
| 50 | 54 | 600.780 | 601.115 | 0.335 |
| 55 | 55 | 602.404 | 601.115 | -1.289 |
| 55 | 56 | 601.404 | 600.865 | -0.539 |
| 55 | 57 | 601.279 | 600.616 | -0.663 |
| 55 | 58 | 599.531 | 600.616 | 1.085 |
| 55 | 59 | 601.155 | 600.491 | -0.664 |
| 100 | 60 | 601.529 | 601.365 | -0.164 |
| 100 | 61 | 601.030 | 601.490 | 0.460 |
| 100 | 62 | 602.903 | 601.240 | -1.663 |
| 100 | 63 | 603.028 | 601.864 | -1.164 |
| 100 | 64 | 599.156 | 599.367 | 0.211 |
| 105 | 65 | 599.780 | 600.740 | 0.960 |
| 105 | 66 | 599.656 | 600.616 | 0.960 |
| 105 | 67 | 602.404 | 601.490 | -0.914 |
| 105 | 68 | 602.404 | 602.739 | 0.335 |
| 105 | 69 | 599.905 | 600.241 | 0.336 |
| | Max | 603.028 | 602.739 | 1.334 |
| | Average | 601.074 | 600.891 | -0.183 |
| | Min | 599.156 | 599.367 | -1.663 |
| | Std Dev | 0.954 | 0.775 | 0.772 |




| | 13.42_VTH_SENSE4_RIS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 604.5 | mV | | | | | | | | | |
| Min Limit | 593.5 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.616 | 600.740 | 600.740 | 599.741 | #### | 600.366 | #### | #### | 600.491 | #### | 600.241 |
| Average | 600.490 | 601.090 | 601.390 | 600.815 | #### | 601.015 | #### | #### | 600.741 | #### | 601.165 |
| Max | 601.115 | 601.490 | 601.989 | 602.114 | #### | 601.989 | #### | #### | 601.115 | #### | 602.739 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

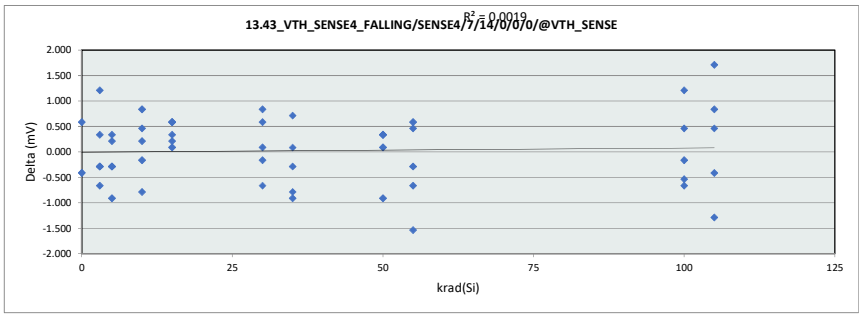


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

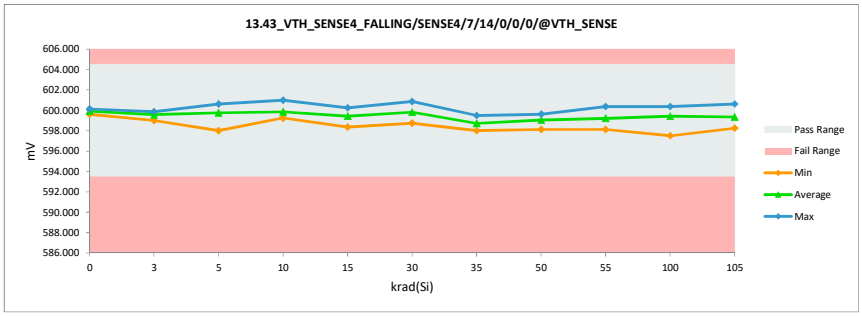
| | 13.43_VTH_SENSE4_FALL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 605 | 604.5 |
| Min Limit | 593 | 593.5 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 599.408 | 599.994 | 0.586 |
| 0 | 14 | 600.532 | 600.119 | -0.413 |
| 0 | 15 | 600.032 | 599.619 | -0.413 |
| 3 | 20 | 599.658 | 599.369 | -0.289 |
| 3 | 21 | 600.032 | 599.744 | -0.288 |
| 3 | 22 | 598.658 | 599.869 | 1.211 |
| 3 | 23 | 599.658 | 598.995 | -0.663 |
| 3 | 24 | 599.533 | 599.869 | 0.336 |
| 5 | 25 | 598.908 | 597.995 | -0.913 |
| 5 | 26 | 600.407 | 600.119 | -0.288 |
| 5 | 27 | 600.407 | 600.618 | 0.211 |
| 5 | 28 | 599.533 | 599.869 | 0.336 |
| 5 | 29 | 600.407 | 600.119 | -0.288 |
| 10 | 30 | 599.783 | 599.619 | -0.164 |
| 10 | 31 | 599.783 | 599.994 | 0.211 |
| 10 | 32 | 600.032 | 599.244 | -0.788 |
| 10 | 33 | 598.908 | 599.369 | 0.461 |
| 10 | 34 | 600.157 | 600.993 | 0.836 |
| 15 | 35 | 598.284 | 598.620 | 0.336 |
| 15 | 36 | 597.784 | 598.370 | 0.586 |
| 15 | 37 | 599.658 | 599.869 | 0.211 |
| 15 | 38 | 599.408 | 599.994 | 0.586 |
| 15 | 39 | 600.157 | 600.244 | 0.087 |
| 30 | 40 | 600.032 | 600.119 | 0.087 |
| 30 | 41 | 599.783 | 599.619 | -0.164 |
| 30 | 42 | 600.032 | 600.868 | 0.836 |
| 30 | 43 | 598.159 | 598.745 | 0.586 |
| 30 | 44 | 600.407 | 599.744 | -0.663 |
| 35 | 45 | 597.909 | 597.995 | 0.086 |
| 35 | 46 | 598.783 | 599.494 | 0.711 |
| 35 | 47 | 600.032 | 599.244 | -0.788 |
| 35 | 48 | 599.783 | 598.870 | -0.913 |
| 35 | 49 | 598.284 | 597.995 | -0.289 |
| 50 | 50 | 600.032 | 599.120 | -0.912 |
| 50 | 51 | 598.783 | 598.870 | 0.087 |
| 50 | 52 | 597.784 | 598.120 | 0.336 |
| 50 | 53 | 599.283 | 599.619 | 0.336 |
| 50 | 54 | 599.158 | 599.494 | 0.336 |
| 55 | 55 | 600.157 | 599.869 | -0.288 |
| 55 | 56 | 599.783 | 600.368 | 0.585 |
| 55 | 57 | 600.157 | 598.620 | -1.537 |
| 55 | 58 | 598.783 | 598.120 | -0.663 |
| 55 | 59 | 598.658 | 599.120 | 0.462 |
| 100 | 60 | 599.158 | 600.368 | 1.210 |
| 100 | 61 | 599.658 | 599.494 | -0.164 |
| 100 | 62 | 600.532 | 599.994 | -0.538 |
| 100 | 63 | 600.407 | 599.744 | -0.663 |
| 100 | 64 | 597.034 | 597.496 | 0.462 |
| 105 | 65 | 598.533 | 600.244 | 1.711 |
| 105 | 66 | 597.784 | 598.245 | 0.461 |
| 105 | 67 | 600.532 | 599.244 | -1.288 |
| 105 | 68 | 601.032 | 600.618 | -0.414 |
| 105 | 69 | 597.534 | 598.370 | 0.836 |
| | Max | 601.032 | 600.993 | 1.711 |
| | Average | 599.417 | 599.442 | 0.025 |
| | Min | 597.034 | 597.496 | -1.537 |
| | Std Dev | 0.925 | 0.819 | 0.661 |




| | 13.43_VTH_SENSE4_FAL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 604.5 | mV |
| Min Limit | 593.5 | mV |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 593.500 | 593.500 | 593.500 | 593.500 | #### | 593.500 | #### | #### | 593.500 | #### | 593.500 |
| Min | 599.619 | 598.995 | 597.995 | 599.244 | #### | 598.745 | #### | #### | 598.120 | #### | 598.245 |
| Average | 599.911 | 599.569 | 599.744 | 599.844 | #### | 599.819 | #### | #### | 599.219 | #### | 599.344 |
| Max | 600.119 | 599.869 | 600.618 | 600.993 | #### | 600.868 | #### | #### | 600.368 | #### | 600.618 |
| UL | 604.500 | 604.500 | 604.500 | 604.500 | #### | 604.500 | #### | #### | 604.500 | #### | 604.500 |

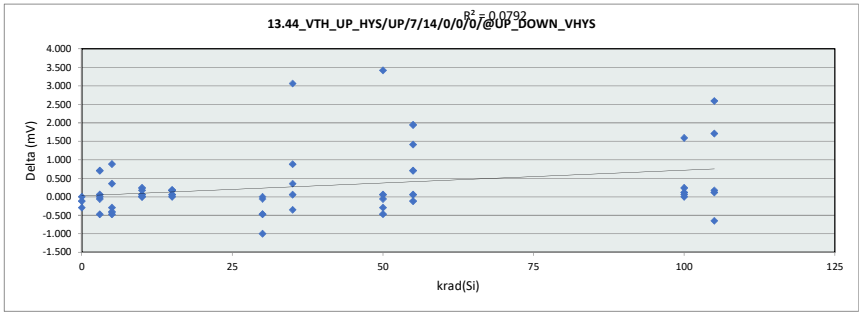


# TID HDR Report
# TPS7H3014-SP

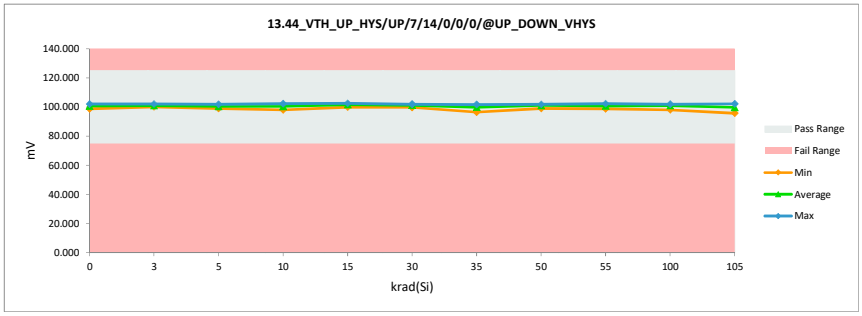
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 13.44_VTH_UP_HYS/UP/7 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | mV | mV |
| Max Limit | 150 | 125 |
| Min Limit | 50 | 75 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 102.178 | 102.060 | -0.118 |
| 0 | 14 | 101.236 | 101.236 | 0.000 |
| 0 | 15 | 99.058 | 98.764 | -0.294 |
| 3 | 20 | 102.060 | 101.589 | -0.471 |
| 3 | 21 | 99.824 | 100.530 | 0.706 |
| 3 | 22 | 102.119 | 102.060 | -0.059 |
| 3 | 23 | 100.058 | 100.118 | 0.060 |
| 3 | 24 | 100.647 | 100.647 | 0.000 |
| 5 | 25 | 100.353 | 101.236 | 0.883 |
| 5 | 26 | 99.352 | 99.059 | -0.293 |
| 5 | 27 | 100.295 | 100.648 | 0.353 |
| 5 | 28 | 102.236 | 101.825 | -0.411 |
| 5 | 29 | 99.764 | 99.293 | -0.471 |
| 10 | 30 | 102.060 | 102.296 | 0.236 |
| 10 | 31 | 97.999 | 98.057 | 0.058 |
| 10 | 32 | 102.178 | 102.178 | 0.000 |
| 10 | 33 | 98.706 | 98.882 | 0.176 |
| 10 | 34 | 101.118 | 101.119 | 0.001 |
| 15 | 35 | 101.942 | 102.118 | 0.176 |
| 15 | 36 | 99.705 | 99.883 | 0.178 |
| 15 | 37 | 102.060 | 102.119 | 0.059 |
| 15 | 38 | 102.296 | 102.472 | 0.176 |
| 15 | 39 | 102.060 | 102.060 | 0.000 |
| 30 | 40 | 102.472 | 101.472 | -1.000 |
| 30 | 41 | 101.942 | 101.472 | -0.470 |
| 30 | 42 | 102.178 | 101.707 | -0.471 |
| 30 | 43 | 99.882 | 99.823 | -0.059 |
| 30 | 44 | 101.942 | 101.943 | 0.001 |
| 35 | 45 | 102.060 | 101.707 | -0.353 |
| 35 | 46 | 97.705 | 100.766 | 3.061 |
| 35 | 47 | 97.705 | 98.587 | 0.882 |
| 35 | 48 | 96.056 | 96.410 | 0.354 |
| 35 | 49 | 101.648 | 101.707 | 0.059 |
| 50 | 50 | 102.060 | 101.766 | -0.294 |
| 50 | 51 | 101.883 | 101.825 | -0.058 |
| 50 | 52 | 95.527 | 98.941 | 3.414 |
| 50 | 53 | 102.177 | 101.707 | -0.470 |
| 50 | 54 | 101.353 | 101.412 | 0.059 |
| 55 | 55 | 100.354 | 101.766 | 1.412 |
| 55 | 56 | 96.763 | 98.705 | 1.942 |
| 55 | 57 | 102.236 | 102.295 | 0.059 |
| 55 | 58 | 101.354 | 102.060 | 0.706 |
| 55 | 59 | 99.353 | 99.235 | -0.118 |
| 100 | 60 | 101.942 | 101.942 | 0.000 |
| 100 | 61 | 101.883 | 101.943 | 0.060 |
| 100 | 62 | 99.647 | 101.236 | 1.589 |
| 100 | 63 | 97.822 | 98.058 | 0.236 |
| 100 | 64 | 101.825 | 101.943 | 0.118 |
| 105 | 65 | 95.586 | 95.762 | 0.176 |
| 105 | 66 | 98.999 | 100.706 | 1.707 |
| 105 | 67 | 99.294 | 98.646 | -0.648 |
| 105 | 68 | 99.588 | 102.178 | 2.590 |
| 105 | 69 | 101.707 | 101.824 | 0.117 |
| | Max | 102.472 | 102.472 | 3.414 |
| | Average | 100.457 | 100.751 | 0.293 |
| | Min | 95.527 | 95.762 | -1.000 |
| | Std Dev | 1.900 | 1.593 | 0.884 |




| | 13.44_VTH_UP_HYS/UP/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 125 | mV | | | | | | | | | |
| Min Limit | 75 | mV | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 | 75.000 |
| Min | 98.764 | 100.118 | 99.059 | 98.057 | 99.883 | 99.823 | 96.410 | 98.941 | 98.705 | 98.058 | 95.762 |
| Average | 100.687 | 100.989 | 100.412 | 100.506 | #### | 101.283 | 99.835 | #### | 100.812 | #### | 99.823 |
| Max | 102.060 | 102.060 | 101.825 | 102.296 | #### | 101.943 | #### | #### | 102.295 | #### | 102.178 |
| UL | 125.000 | 125.000 | 125.000 | 125.000 | #### | 125.000 | #### | #### | 125.000 | #### | 125.000 |

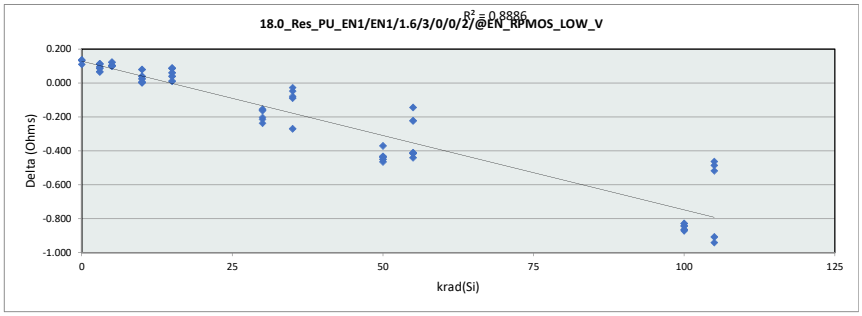


# TID HDR Report
# TPS7H3014-SP

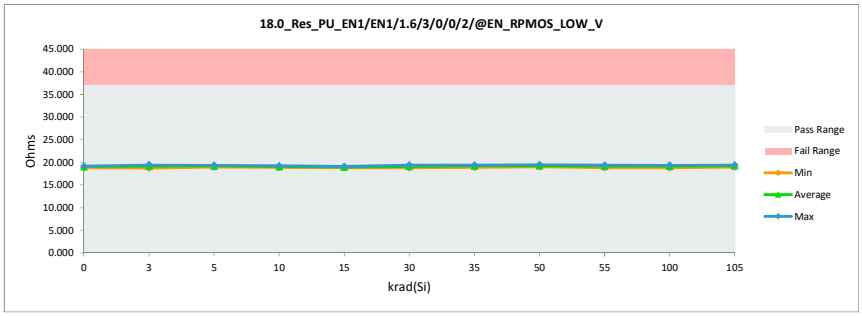
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.0_Res_PU_EN1/EN1/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 18.671 | 18.806 | 0.135 |
| 0 | 14 | 19.047 | 19.157 | 0.110 |
| 0 | 15 | 19.033 | 19.165 | 0.132 |
| 3 | 20 | 18.943 | 19.038 | 0.095 |
| 3 | 21 | 18.657 | 18.769 | 0.112 |
| 3 | 22 | 19.230 | 19.296 | 0.066 |
| 3 | 23 | 19.358 | 19.444 | 0.086 |
| 3 | 24 | 18.985 | 19.098 | 0.113 |
| 5 | 25 | 19.216 | 19.315 | 0.099 |
| 5 | 26 | 19.240 | 19.343 | 0.103 |
| 5 | 27 | 18.881 | 18.983 | 0.102 |
| 5 | 28 | 18.982 | 19.104 | 0.122 |
| 5 | 29 | 19.209 | 19.312 | 0.103 |
| 10 | 30 | 19.222 | 19.224 | 0.002 |
| 10 | 31 | 18.982 | 19.006 | 0.024 |
| 10 | 32 | 18.859 | 18.898 | 0.039 |
| 10 | 33 | 19.222 | 19.228 | 0.006 |
| 10 | 34 | 18.882 | 18.961 | 0.079 |
| 15 | 35 | 19.045 | 19.084 | 0.039 |
| 15 | 36 | 18.824 | 18.835 | 0.011 |
| 15 | 37 | 19.037 | 19.097 | 0.060 |
| 15 | 38 | 18.783 | 18.870 | 0.087 |
| 15 | 39 | 18.896 | 18.982 | 0.086 |
| 30 | 40 | 18.973 | 18.818 | -0.155 |
| 30 | 41 | 19.614 | 19.376 | -0.238 |
| 30 | 42 | 19.290 | 19.087 | -0.203 |
| 30 | 43 | 19.046 | 18.883 | -0.163 |
| 30 | 44 | 19.589 | 19.375 | -0.214 |
| 35 | 45 | 19.275 | 19.227 | -0.048 |
| 35 | 46 | 19.586 | 19.316 | -0.270 |
| 35 | 47 | 18.903 | 18.875 | -0.028 |
| 35 | 48 | 19.493 | 19.404 | -0.089 |
| 35 | 49 | 19.227 | 19.148 | -0.079 |
| 50 | 50 | 19.781 | 19.316 | -0.465 |
| 50 | 51 | 19.734 | 19.295 | -0.439 |
| 50 | 52 | 19.539 | 19.106 | -0.433 |
| 50 | 53 | 19.933 | 19.483 | -0.450 |
| 50 | 54 | 19.397 | 19.026 | -0.371 |
| 55 | 55 | 19.841 | 19.400 | -0.441 |
| 55 | 56 | 19.310 | 18.895 | -0.415 |
| 55 | 57 | 19.584 | 19.173 | -0.411 |
| 55 | 58 | 19.621 | 19.398 | -0.223 |
| 55 | 59 | 18.986 | 18.842 | -0.144 |
| 100 | 60 | 20.027 | 19.163 | -0.864 |
| 100 | 61 | 20.235 | 19.364 | -0.871 |
| 100 | 62 | 20.040 | 19.197 | -0.843 |
| 100 | 63 | 19.698 | 18.855 | -0.843 |
| 100 | 64 | 19.940 | 19.112 | -0.828 |
| 105 | 65 | 19.478 | 18.992 | -0.486 |
| 105 | 66 | 19.521 | 19.058 | -0.463 |
| 105 | 67 | 20.345 | 19.404 | -0.941 |
| 105 | 68 | 20.338 | 19.430 | -0.908 |
| 105 | 69 | 19.868 | 19.350 | -0.518 |
| | Max | 20.345 | 19.483 | 0.135 |
| | Average | 19.347 | 19.139 | -0.208 |
| | Min | 18.657 | 18.769 | -0.941 |
| | Std Dev | 0.435 | 0.202 | 0.333 |




| | 18.0_Res_PU_EN1/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 18.806 | 18.769 | 18.983 | 18.898 | 18.835 | 18.818 | 18.875 | 19.026 | 18.842 | 18.855 | 18.992 |
| Average | 19.043 | 19.129 | 19.211 | 19.063 | 18.974 | 19.108 | 19.194 | 19.245 | 19.142 | 19.138 | 19.247 |
| Max | 19.165 | 19.444 | 19.343 | 19.228 | 19.097 | 19.376 | 19.404 | 19.483 | 19.400 | 19.364 | 19.430 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

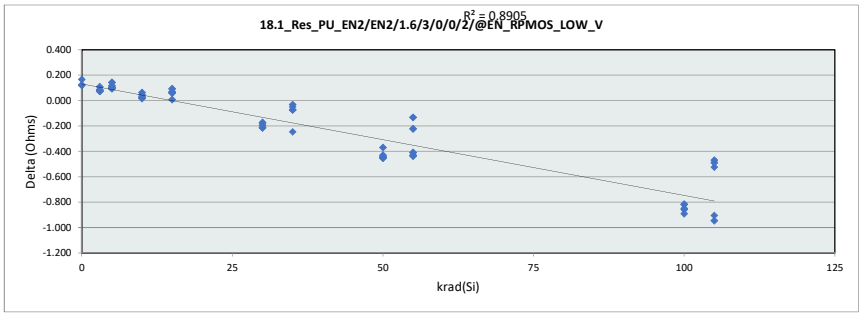


# TID HDR Report
# TPS7H3014-SP

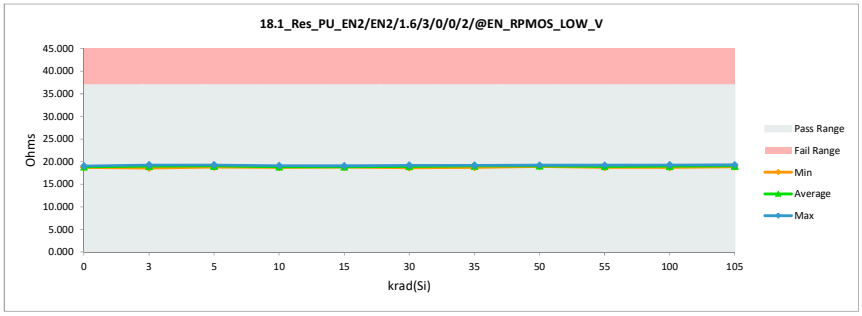
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.1_Res_PU_EN2/EN2/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 18.571 | 18.690 | 0.119 |
| 0 | 14 | 18.922 | 19.045 | 0.123 |
| 0 | 15 | 18.819 | 18.985 | 0.166 |
| 3 | 20 | 18.937 | 19.022 | 0.085 |
| 3 | 21 | 18.520 | 18.597 | 0.077 |
| 3 | 22 | 19.036 | 19.110 | 0.074 |
| 3 | 23 | 19.200 | 19.273 | 0.073 |
| 3 | 24 | 18.908 | 19.016 | 0.108 |
| 5 | 25 | 19.121 | 19.214 | 0.093 |
| 5 | 26 | 19.140 | 19.244 | 0.104 |
| 5 | 27 | 18.717 | 18.816 | 0.099 |
| 5 | 28 | 18.731 | 18.873 | 0.142 |
| 5 | 29 | 19.119 | 19.236 | 0.117 |
| 10 | 30 | 19.082 | 19.098 | 0.016 |
| 10 | 31 | 18.829 | 18.874 | 0.045 |
| 10 | 32 | 18.671 | 18.697 | 0.026 |
| 10 | 33 | 18.914 | 18.941 | 0.027 |
| 10 | 34 | 18.753 | 18.816 | 0.063 |
| 15 | 35 | 18.902 | 18.961 | 0.059 |
| 15 | 36 | 18.787 | 18.795 | 0.008 |
| 15 | 37 | 19.019 | 19.087 | 0.068 |
| 15 | 38 | 18.699 | 18.763 | 0.064 |
| 15 | 39 | 18.684 | 18.777 | 0.093 |
| 30 | 40 | 18.841 | 18.669 | -0.172 |
| 30 | 41 | 19.392 | 19.179 | -0.213 |
| 30 | 42 | 19.124 | 18.928 | -0.196 |
| 30 | 43 | 18.956 | 18.775 | -0.181 |
| 30 | 44 | 19.401 | 19.186 | -0.215 |
| 35 | 45 | 19.169 | 19.119 | -0.050 |
| 35 | 46 | 19.442 | 19.196 | -0.246 |
| 35 | 47 | 18.769 | 18.737 | -0.032 |
| 35 | 48 | 19.201 | 19.127 | -0.074 |
| 35 | 49 | 19.165 | 19.092 | -0.073 |
| 50 | 50 | 19.661 | 19.207 | -0.454 |
| 50 | 51 | 19.634 | 19.184 | -0.450 |
| 50 | 52 | 19.454 | 19.014 | -0.440 |
| 50 | 53 | 19.593 | 19.163 | -0.430 |
| 50 | 54 | 19.288 | 18.918 | -0.370 |
| 55 | 55 | 19.616 | 19.186 | -0.430 |
| 55 | 56 | 19.221 | 18.785 | -0.436 |
| 55 | 57 | 19.412 | 19.003 | -0.409 |
| 55 | 58 | 19.456 | 19.233 | -0.223 |
| 55 | 59 | 18.839 | 18.707 | -0.132 |
| 100 | 60 | 19.816 | 18.958 | -0.858 |
| 100 | 61 | 20.145 | 19.254 | -0.891 |
| 100 | 62 | 19.961 | 19.112 | -0.849 |
| 100 | 63 | 19.525 | 18.708 | -0.817 |
| 100 | 64 | 19.767 | 18.951 | -0.816 |
| 105 | 65 | 19.355 | 18.865 | -0.490 |
| 105 | 66 | 19.320 | 18.851 | -0.469 |
| 105 | 67 | 20.173 | 19.227 | -0.946 |
| 105 | 68 | 20.094 | 19.190 | -0.904 |
| 105 | 69 | 19.812 | 19.288 | -0.524 |
| | Max | 20.173 | 19.288 | 0.166 |
| | Average | 19.202 | 18.995 | -0.206 |
| | Min | 18.520 | 18.597 | -0.946 |
| | Std Dev | 0.422 | 0.194 | 0.333 |




| | 18.1_Res_PU_EN2/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 18.690 | 18.597 | 18.816 | 18.697 | 18.763 | 18.669 | 18.737 | 18.918 | 18.707 | 18.708 | 18.851 |
| Average | 18.907 | 19.004 | 19.077 | 18.885 | 18.877 | 18.947 | 19.054 | 19.097 | 18.983 | 18.997 | 19.084 |
| Max | 19.045 | 19.273 | 19.244 | 19.098 | 19.087 | 19.186 | 19.196 | 19.207 | 19.233 | 19.254 | 19.288 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

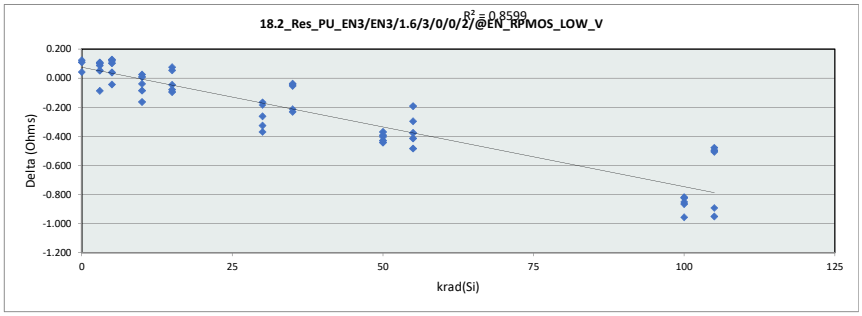


# TID HDR Report
# TPS7H3014-SP

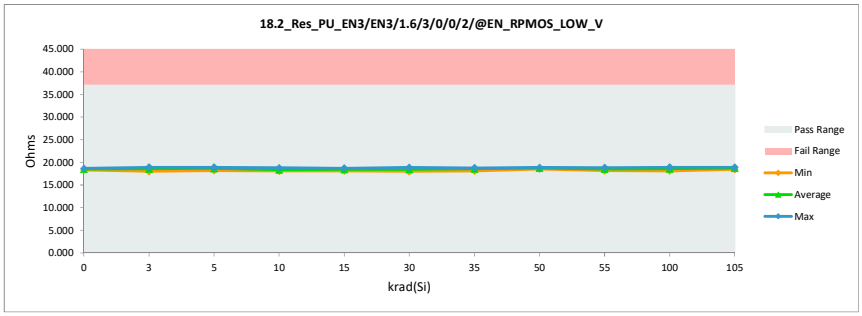
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.2_Res_PU_EN3/EN3/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 18.293 | 18.336 | 0.043 |
| 0 | 14 | 18.586 | 18.696 | 0.110 |
| 0 | 15 | 18.492 | 18.616 | 0.124 |
| 3 | 20 | 18.492 | 18.545 | 0.053 |
| 3 | 21 | 18.099 | 18.012 | -0.087 |
| 3 | 22 | 18.598 | 18.686 | 0.088 |
| 3 | 23 | 18.837 | 18.938 | 0.101 |
| 3 | 24 | 18.503 | 18.611 | 0.108 |
| 5 | 25 | 18.792 | 18.895 | 0.103 |
| 5 | 26 | 18.790 | 18.918 | 0.128 |
| 5 | 27 | 18.364 | 18.403 | 0.039 |
| 5 | 28 | 18.237 | 18.194 | -0.043 |
| 5 | 29 | 18.699 | 18.818 | 0.119 |
| 10 | 30 | 18.793 | 18.819 | 0.026 |
| 10 | 31 | 18.355 | 18.270 | -0.085 |
| 10 | 32 | 18.240 | 18.077 | -0.163 |
| 10 | 33 | 18.477 | 18.485 | 0.008 |
| 10 | 34 | 18.331 | 18.293 | -0.038 |
| 15 | 35 | 18.561 | 18.615 | 0.054 |
| 15 | 36 | 18.508 | 18.463 | -0.045 |
| 15 | 37 | 18.643 | 18.719 | 0.076 |
| 15 | 38 | 18.238 | 18.144 | -0.094 |
| 15 | 39 | 18.233 | 18.154 | -0.079 |
| 30 | 40 | 18.395 | 18.026 | -0.369 |
| 30 | 41 | 18.853 | 18.687 | -0.166 |
| 30 | 42 | 18.572 | 18.310 | -0.262 |
| 30 | 43 | 18.444 | 18.118 | -0.326 |
| 30 | 44 | 19.073 | 18.889 | -0.184 |
| 35 | 45 | 18.716 | 18.679 | -0.037 |
| 35 | 46 | 19.025 | 18.794 | -0.231 |
| 35 | 47 | 18.349 | 18.137 | -0.212 |
| 35 | 48 | 18.717 | 18.664 | -0.053 |
| 35 | 49 | 18.800 | 18.753 | -0.047 |
| 50 | 50 | 19.338 | 18.896 | -0.442 |
| 50 | 51 | 19.202 | 18.773 | -0.429 |
| 50 | 52 | 19.055 | 18.663 | -0.392 |
| 50 | 53 | 19.069 | 18.666 | -0.403 |
| 50 | 54 | 18.896 | 18.527 | -0.369 |
| 55 | 55 | 19.199 | 18.785 | -0.414 |
| 55 | 56 | 18.824 | 18.340 | -0.484 |
| 55 | 57 | 18.935 | 18.559 | -0.376 |
| 55 | 58 | 19.068 | 18.876 | -0.192 |
| 55 | 59 | 18.475 | 18.179 | -0.296 |
| 100 | 60 | 19.442 | 18.591 | -0.851 |
| 100 | 61 | 19.804 | 18.939 | -0.865 |
| 100 | 62 | 19.528 | 18.704 | -0.824 |
| 100 | 63 | 19.085 | 18.129 | -0.956 |
| 100 | 64 | 19.394 | 18.575 | -0.819 |
| 105 | 65 | 18.925 | 18.418 | -0.507 |
| 105 | 66 | 18.904 | 18.426 | -0.478 |
| 105 | 67 | 19.849 | 18.898 | -0.951 |
| 105 | 68 | 19.762 | 18.870 | -0.892 |
| 105 | 69 | 19.417 | 18.922 | -0.495 |
| | Max | 19.849 | 18.939 | 0.128 |
| | Average | 18.798 | 18.557 | -0.241 |
| | Min | 18.099 | 18.012 | -0.956 |
| | Std Dev | 0.433 | 0.279 | 0.318 |




| | 18.2_Res_PU_EN3/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 18.336 | 18.012 | 18.194 | 18.077 | 18.144 | 18.026 | 18.137 | 18.527 | 18.179 | 18.129 | 18.418 |
| Average | 18.549 | 18.558 | 18.646 | 18.389 | 18.419 | 18.406 | 18.605 | 18.705 | 18.548 | 18.588 | 18.707 |
| Max | 18.696 | 18.938 | 18.918 | 18.819 | 18.719 | 18.889 | 18.794 | 18.896 | 18.876 | 18.939 | 18.922 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

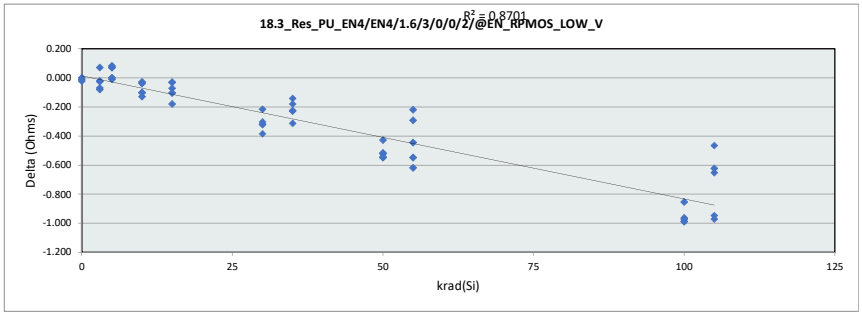


# TID HDR Report
# TPS7H3014-SP

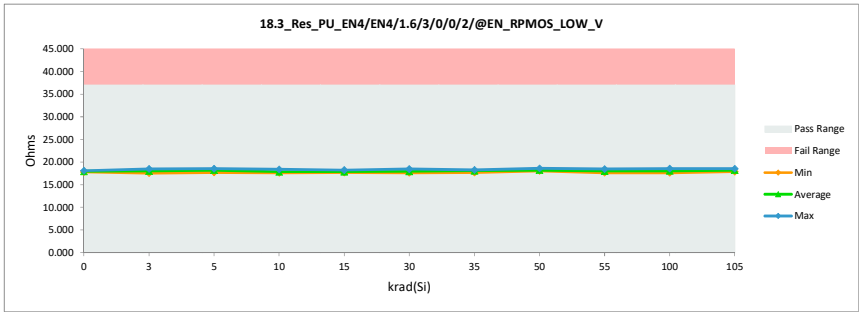
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.3_Res_PU_EN4/EN4/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 17.800 | 17.801 | 0.001 |
| 0 | 14 | 18.104 | 18.082 | -0.022 |
| 0 | 15 | 18.097 | 18.088 | -0.009 |
| 3 | 20 | 18.001 | 17.932 | -0.069 |
| 3 | 21 | 17.590 | 17.565 | -0.025 |
| 3 | 22 | 18.136 | 18.056 | -0.080 |
| 3 | 23 | 18.424 | 18.495 | 0.071 |
| 3 | 24 | 17.970 | 17.948 | -0.022 |
| 5 | 25 | 18.431 | 18.514 | 0.083 |
| 5 | 26 | 18.405 | 18.478 | 0.073 |
| 5 | 27 | 17.824 | 17.815 | -0.009 |
| 5 | 28 | 17.705 | 17.707 | 0.002 |
| 5 | 29 | 18.367 | 18.437 | 0.070 |
| 10 | 30 | 18.402 | 18.374 | -0.028 |
| 10 | 31 | 17.833 | 17.733 | -0.100 |
| 10 | 32 | 17.715 | 17.612 | -0.103 |
| 10 | 33 | 18.068 | 17.939 | -0.129 |
| 10 | 34 | 17.754 | 17.715 | -0.039 |
| 15 | 35 | 18.126 | 18.022 | -0.104 |
| 15 | 36 | 18.116 | 17.937 | -0.179 |
| 15 | 37 | 18.309 | 18.237 | -0.072 |
| 15 | 38 | 17.723 | 17.691 | -0.032 |
| 15 | 39 | 17.738 | 17.709 | -0.029 |
| 30 | 40 | 17.934 | 17.631 | -0.303 |
| 30 | 41 | 18.485 | 18.164 | -0.321 |
| 30 | 42 | 18.205 | 17.821 | -0.384 |
| 30 | 43 | 17.998 | 17.680 | -0.318 |
| 30 | 44 | 18.657 | 18.441 | -0.216 |
| 35 | 45 | 18.294 | 18.068 | -0.226 |
| 35 | 46 | 18.591 | 18.278 | -0.313 |
| 35 | 47 | 17.841 | 17.699 | -0.142 |
| 35 | 48 | 18.297 | 18.071 | -0.226 |
| 35 | 49 | 18.405 | 18.226 | -0.179 |
| 50 | 50 | 19.025 | 18.597 | -0.428 |
| 50 | 51 | 18.755 | 18.239 | -0.516 |
| 50 | 52 | 18.611 | 18.067 | -0.544 |
| 50 | 53 | 18.671 | 18.123 | -0.548 |
| 50 | 54 | 18.556 | 18.033 | -0.523 |
| 55 | 55 | 18.782 | 18.337 | -0.445 |
| 55 | 56 | 18.413 | 17.794 | -0.619 |
| 55 | 57 | 18.533 | 17.985 | -0.548 |
| 55 | 58 | 18.667 | 18.448 | -0.219 |
| 55 | 59 | 17.939 | 17.648 | -0.291 |
| 100 | 60 | 18.996 | 18.009 | -0.987 |
| 100 | 61 | 19.405 | 18.551 | -0.854 |
| 100 | 62 | 19.095 | 18.125 | -0.970 |
| 100 | 63 | 18.648 | 17.659 | -0.989 |
| 100 | 64 | 18.956 | 17.993 | -0.963 |
| 105 | 65 | 18.531 | 17.879 | -0.652 |
| 105 | 66 | 18.473 | 17.851 | -0.622 |
| 105 | 67 | 19.432 | 18.485 | -0.947 |
| 105 | 68 | 19.279 | 18.308 | -0.971 |
| 105 | 69 | 19.003 | 18.537 | -0.466 |
| | Max | 19.432 | 18.597 | 0.083 |
| | Average | 18.361 | 18.050 | -0.311 |
| | Min | 17.590 | 17.565 | -0.989 |
| | Std Dev | 0.463 | 0.297 | 0.325 |




| | 18.3_Res_PU_EN4/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 17.801 | 17.565 | 17.707 | 17.612 | 17.691 | 17.631 | 17.699 | 18.033 | 17.648 | 17.659 | 17.851 |
| Average | 17.990 | 17.999 | 18.190 | 17.875 | 17.919 | 17.947 | 18.068 | 18.212 | 18.042 | 18.067 | 18.212 |
| Max | 18.088 | 18.495 | 18.514 | 18.374 | 18.237 | 18.441 | 18.278 | 18.597 | 18.448 | 18.551 | 18.537 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

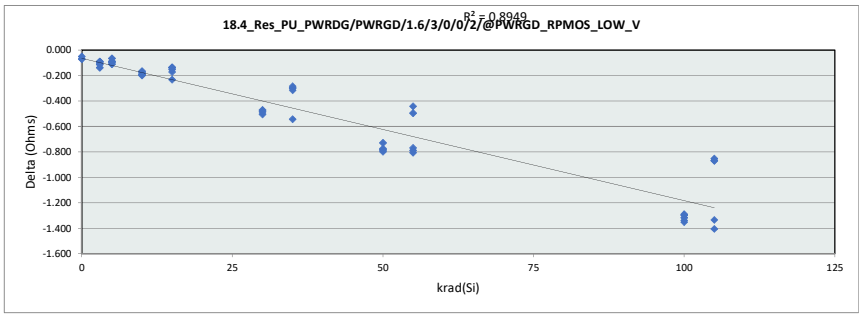


# TID HDR Report
# TPS7H3014-SP

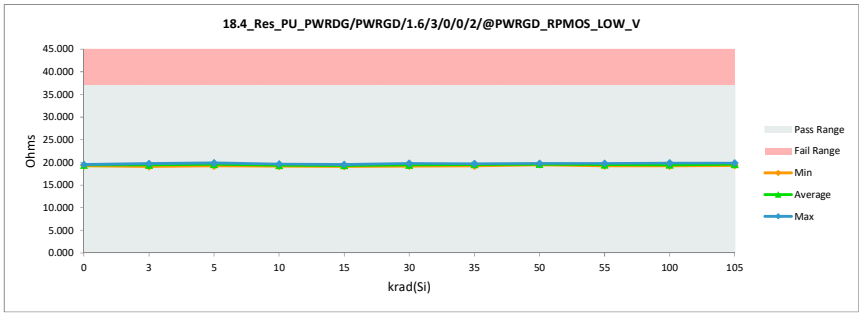
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.4_Res_PU_PWRDG/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 19.330 | 19.258 | -0.072 |
| 0 | 14 | 19.578 | 19.509 | -0.069 |
| 0 | 15 | 19.566 | 19.516 | -0.050 |
| 3 | 20 | 19.475 | 19.337 | -0.138 |
| 3 | 21 | 19.198 | 19.085 | -0.113 |
| 3 | 22 | 19.658 | 19.558 | -0.100 |
| 3 | 23 | 19.814 | 19.724 | -0.090 |
| 3 | 24 | 19.575 | 19.484 | -0.091 |
| 5 | 25 | 19.957 | 19.858 | -0.099 |
| 5 | 26 | 19.941 | 19.849 | -0.092 |
| 5 | 27 | 19.495 | 19.384 | -0.111 |
| 5 | 28 | 19.315 | 19.226 | -0.089 |
| 5 | 29 | 19.759 | 19.694 | -0.065 |
| 10 | 30 | 19.802 | 19.623 | -0.179 |
| 10 | 31 | 19.515 | 19.320 | -0.195 |
| 10 | 32 | 19.340 | 19.150 | -0.190 |
| 10 | 33 | 19.690 | 19.490 | -0.200 |
| 10 | 34 | 19.455 | 19.290 | -0.165 |
| 15 | 35 | 19.631 | 19.459 | -0.172 |
| 15 | 36 | 19.579 | 19.346 | -0.233 |
| 15 | 37 | 19.665 | 19.529 | -0.136 |
| 15 | 38 | 19.252 | 19.114 | -0.138 |
| 15 | 39 | 19.396 | 19.244 | -0.152 |
| 30 | 40 | 19.650 | 19.181 | -0.469 |
| 30 | 41 | 20.277 | 19.771 | -0.506 |
| 30 | 42 | 19.844 | 19.361 | -0.483 |
| 30 | 43 | 19.771 | 19.298 | -0.473 |
| 30 | 44 | 20.109 | 19.615 | -0.494 |
| 35 | 45 | 19.952 | 19.650 | -0.302 |
| 35 | 46 | 20.234 | 19.690 | -0.544 |
| 35 | 47 | 19.520 | 19.236 | -0.284 |
| 35 | 48 | 19.707 | 19.413 | -0.294 |
| 35 | 49 | 19.993 | 19.677 | -0.316 |
| 50 | 50 | 20.581 | 19.782 | -0.799 |
| 50 | 51 | 20.409 | 19.626 | -0.783 |
| 50 | 52 | 20.298 | 19.513 | -0.785 |
| 50 | 53 | 20.478 | 19.704 | -0.774 |
| 50 | 54 | 20.200 | 19.471 | -0.729 |
| 55 | 55 | 20.523 | 19.735 | -0.788 |
| 55 | 56 | 20.165 | 19.359 | -0.806 |
| 55 | 57 | 20.318 | 19.549 | -0.769 |
| 55 | 58 | 20.264 | 19.769 | -0.495 |
| 55 | 59 | 19.644 | 19.202 | -0.442 |
| 100 | 60 | 20.835 | 19.483 | -1.352 |
| 100 | 61 | 21.190 | 19.851 | -1.339 |
| 100 | 62 | 20.640 | 19.341 | -1.299 |
| 100 | 63 | 20.533 | 19.215 | -1.318 |
| 100 | 64 | 20.808 | 19.517 | -1.291 |
| 105 | 65 | 20.231 | 19.363 | -0.868 |
| 105 | 66 | 20.140 | 19.288 | -0.852 |
| 105 | 67 | 21.197 | 19.791 | -1.406 |
| 105 | 68 | 21.019 | 19.684 | -1.335 |
| 105 | 69 | 20.715 | 19.844 | -0.871 |
| | Max | 21.197 | 19.858 | -0.050 |
| | Average | 19.985 | 19.491 | -0.494 |
| | Min | 19.198 | 19.085 | -1.406 |
| | Std Dev | 0.518 | 0.218 | 0.423 |




| | 18.4_Res_PU_PWRDG/P | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 19.258 | 19.085 | 19.226 | 19.150 | 19.114 | 19.181 | 19.236 | 19.471 | 19.202 | 19.215 | 19.288 |
| Average | 19.428 | 19.438 | 19.602 | 19.375 | 19.338 | 19.445 | 19.533 | 19.619 | 19.523 | 19.481 | 19.594 |
| Max | 19.516 | 19.724 | 19.858 | 19.623 | 19.529 | 19.771 | 19.690 | 19.782 | 19.769 | 19.851 | 19.844 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

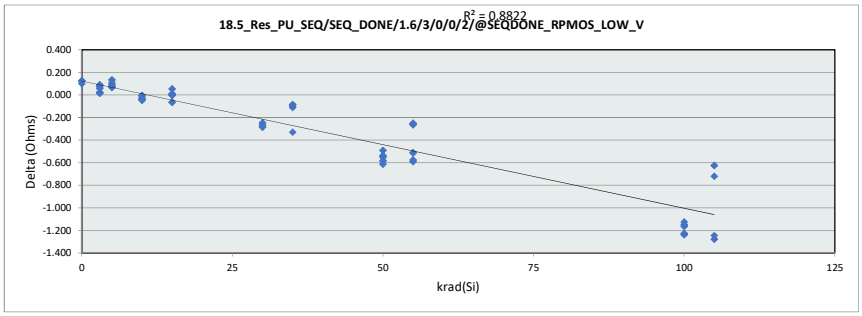


# TID HDR Report
# TPS7H3014-SP

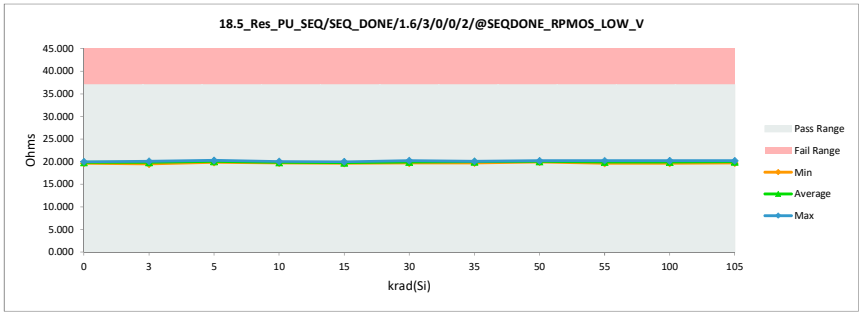
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.5_Res_PU_SEQ/SEQ_D | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 19.554 | 19.655 | 0.101 |
| 0 | 14 | 19.854 | 19.978 | 0.124 |
| 0 | 15 | 19.849 | 19.974 | 0.125 |
| 3 | 20 | 19.671 | 19.686 | 0.015 |
| 3 | 21 | 19.464 | 19.487 | 0.023 |
| 3 | 22 | 19.920 | 19.980 | 0.060 |
| 3 | 23 | 20.007 | 20.096 | 0.089 |
| 3 | 24 | 19.913 | 19.992 | 0.079 |
| 5 | 25 | 20.138 | 20.229 | 0.091 |
| 5 | 26 | 20.164 | 20.271 | 0.107 |
| 5 | 27 | 19.751 | 19.818 | 0.067 |
| 5 | 28 | 19.769 | 19.843 | 0.074 |
| 5 | 29 | 20.087 | 20.220 | 0.133 |
| 10 | 30 | 20.057 | 20.053 | -0.004 |
| 10 | 31 | 19.832 | 19.785 | -0.047 |
| 10 | 32 | 19.710 | 19.672 | -0.038 |
| 10 | 33 | 19.948 | 19.919 | -0.029 |
| 10 | 34 | 19.733 | 19.725 | -0.008 |
| 15 | 35 | 19.821 | 19.831 | 0.010 |
| 15 | 36 | 19.866 | 19.801 | -0.065 |
| 15 | 37 | 19.905 | 19.958 | 0.053 |
| 15 | 38 | 19.595 | 19.602 | 0.007 |
| 15 | 39 | 19.677 | 19.674 | -0.003 |
| 30 | 40 | 19.909 | 19.663 | -0.246 |
| 30 | 41 | 20.502 | 20.227 | -0.275 |
| 30 | 42 | 20.135 | 19.849 | -0.286 |
| 30 | 43 | 20.094 | 19.824 | -0.270 |
| 30 | 44 | 20.361 | 20.105 | -0.256 |
| 35 | 45 | 20.152 | 20.067 | -0.085 |
| 35 | 46 | 20.422 | 20.092 | -0.330 |
| 35 | 47 | 19.828 | 19.725 | -0.103 |
| 35 | 48 | 20.120 | 20.032 | -0.088 |
| 35 | 49 | 20.203 | 20.092 | -0.111 |
| 50 | 50 | 20.808 | 20.196 | -0.612 |
| 50 | 51 | 20.585 | 20.034 | -0.551 |
| 50 | 52 | 20.432 | 19.895 | -0.537 |
| 50 | 53 | 20.753 | 20.170 | -0.583 |
| 50 | 54 | 20.382 | 19.891 | -0.491 |
| 55 | 55 | 20.766 | 20.175 | -0.591 |
| 55 | 56 | 20.288 | 19.712 | -0.576 |
| 55 | 57 | 20.543 | 20.031 | -0.512 |
| 55 | 58 | 20.488 | 20.224 | -0.264 |
| 55 | 59 | 19.841 | 19.590 | -0.251 |
| 100 | 60 | 21.195 | 19.957 | -1.238 |
| 100 | 61 | 21.402 | 20.175 | -1.227 |
| 100 | 62 | 20.914 | 19.789 | -1.125 |
| 100 | 63 | 20.802 | 19.652 | -1.150 |
| 100 | 64 | 21.130 | 19.967 | -1.163 |
| 105 | 65 | 20.458 | 19.834 | -0.624 |
| 105 | 66 | 20.318 | 19.694 | -0.624 |
| 105 | 67 | 21.451 | 20.174 | -1.277 |
| 105 | 68 | 21.432 | 20.187 | -1.245 |
| 105 | 69 | 20.931 | 20.211 | -0.720 |
| | Max | 21.451 | 20.271 | 0.133 |
| | Average | 20.244 | 19.934 | -0.310 |
| | Min | 19.464 | 19.487 | -1.277 |
| | Std Dev | 0.509 | 0.208 | 0.430 |




| | 18.5_Res_PU_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 19.655 | 19.487 | 19.818 | 19.672 | 19.602 | 19.663 | 19.725 | 19.891 | 19.590 | 19.652 | 19.694 |
| Average | 19.869 | 19.848 | 20.076 | 19.831 | 19.773 | 19.934 | 20.002 | 20.037 | 19.946 | 19.908 | 20.020 |
| Max | 19.978 | 20.096 | 20.271 | 20.053 | 19.958 | 20.227 | 20.092 | 20.196 | 20.224 | 20.175 | 20.211 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

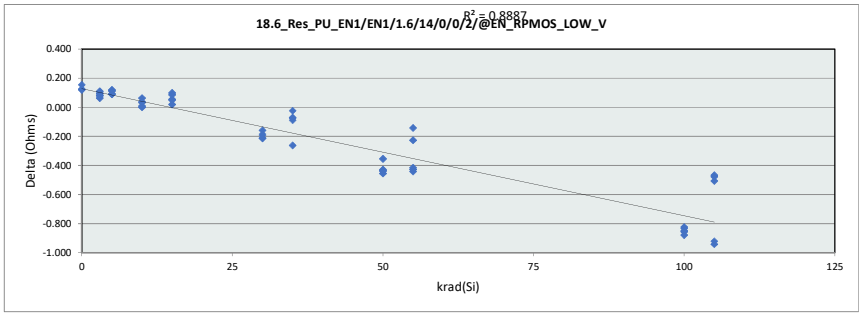


# TID HDR Report
# TPS7H3014-SP

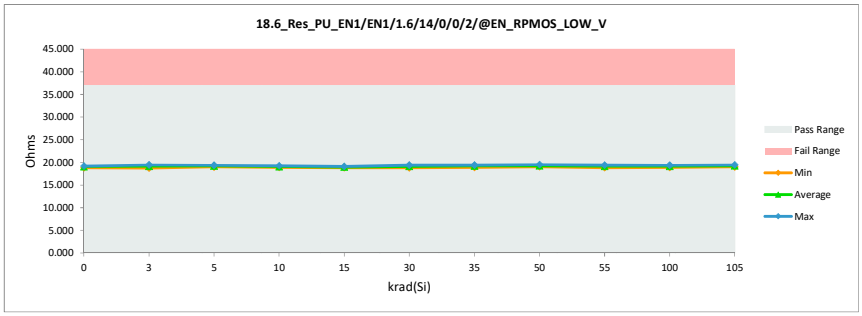
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.6_Res_PU_EN1/EN1/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 18.664 | 18.818 | 0.154 |
| 0 | 14 | 19.048 | 19.166 | 0.118 |
| 0 | 15 | 19.040 | 19.164 | 0.124 |
| 3 | 20 | 18.960 | 19.043 | 0.083 |
| 3 | 21 | 18.662 | 18.758 | 0.096 |
| 3 | 22 | 19.230 | 19.293 | 0.063 |
| 3 | 23 | 19.367 | 19.445 | 0.078 |
| 3 | 24 | 18.990 | 19.099 | 0.109 |
| 5 | 25 | 19.220 | 19.311 | 0.091 |
| 5 | 26 | 19.257 | 19.346 | 0.089 |
| 5 | 27 | 18.879 | 18.989 | 0.110 |
| 5 | 28 | 18.984 | 19.103 | 0.119 |
| 5 | 29 | 19.194 | 19.311 | 0.117 |
| 10 | 30 | 19.228 | 19.235 | 0.007 |
| 10 | 31 | 18.982 | 19.013 | 0.031 |
| 10 | 32 | 18.854 | 18.891 | 0.037 |
| 10 | 33 | 19.225 | 19.225 | 0.000 |
| 10 | 34 | 18.884 | 18.947 | 0.063 |
| 15 | 35 | 19.046 | 19.095 | 0.049 |
| 15 | 36 | 18.825 | 18.844 | 0.019 |
| 15 | 37 | 19.048 | 19.102 | 0.054 |
| 15 | 38 | 18.784 | 18.882 | 0.098 |
| 15 | 39 | 18.901 | 18.986 | 0.085 |
| 30 | 40 | 18.969 | 18.809 | -0.160 |
| 30 | 41 | 19.606 | 19.394 | -0.212 |
| 30 | 42 | 19.286 | 19.092 | -0.194 |
| 30 | 43 | 19.065 | 18.880 | -0.185 |
| 30 | 44 | 19.598 | 19.384 | -0.214 |
| 35 | 45 | 19.292 | 19.221 | -0.071 |
| 35 | 46 | 19.581 | 19.318 | -0.263 |
| 35 | 47 | 18.896 | 18.871 | -0.025 |
| 35 | 48 | 19.490 | 19.400 | -0.090 |
| 35 | 49 | 19.223 | 19.148 | -0.075 |
| 50 | 50 | 19.769 | 19.313 | -0.456 |
| 50 | 51 | 19.736 | 19.308 | -0.428 |
| 50 | 52 | 19.539 | 19.100 | -0.439 |
| 50 | 53 | 19.931 | 19.496 | -0.435 |
| 50 | 54 | 19.391 | 19.036 | -0.355 |
| 55 | 55 | 19.847 | 19.405 | -0.442 |
| 55 | 56 | 19.319 | 18.892 | -0.427 |
| 55 | 57 | 19.595 | 19.179 | -0.416 |
| 55 | 58 | 19.624 | 19.397 | -0.227 |
| 55 | 59 | 18.989 | 18.847 | -0.142 |
| 100 | 60 | 20.020 | 19.163 | -0.857 |
| 100 | 61 | 20.246 | 19.367 | -0.879 |
| 100 | 62 | 20.048 | 19.197 | -0.851 |
| 100 | 63 | 19.686 | 18.861 | -0.825 |
| 100 | 64 | 19.944 | 19.110 | -0.834 |
| 105 | 65 | 19.483 | 19.004 | -0.479 |
| 105 | 66 | 19.530 | 19.063 | -0.467 |
| 105 | 67 | 20.350 | 19.407 | -0.943 |
| 105 | 68 | 20.344 | 19.422 | -0.922 |
| 105 | 69 | 19.871 | 19.363 | -0.508 |
| | Max | 20.350 | 19.496 | 0.154 |
| | Average | 19.350 | 19.142 | -0.208 |
| | Min | 18.662 | 18.758 | -0.943 |
| | Std Dev | 0.435 | 0.203 | 0.332 |




| | 18.6_Res_PU_EN1/EN1/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 18.818 | 18.758 | 18.989 | 18.891 | 18.844 | 18.809 | 18.871 | 19.036 | 18.847 | 18.861 | 19.004 |
| Average | 19.049 | 19.128 | 19.212 | 19.062 | 18.982 | 19.112 | 19.192 | 19.251 | 19.144 | 19.140 | 19.252 |
| Max | 19.166 | 19.445 | 19.346 | 19.235 | 19.102 | 19.394 | 19.400 | 19.496 | 19.405 | 19.367 | 19.422 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

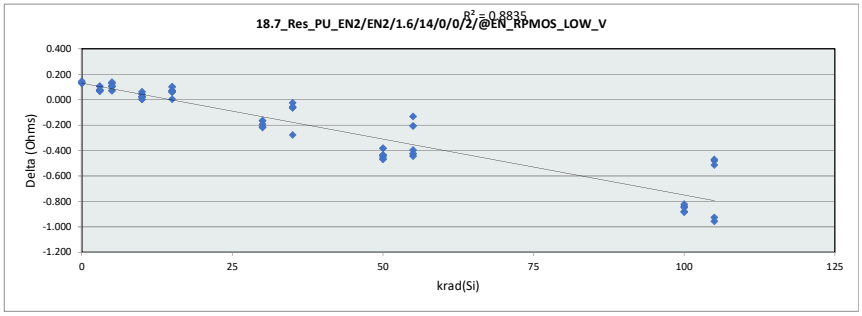


# TID HDR Report
# TPS7H3014-SP

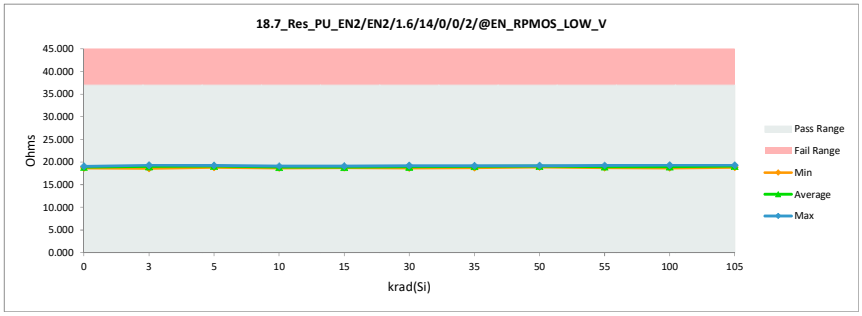
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.7_Res_PU_EN2/EN2/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 18.564 | 18.697 | 0.133 |
| 0 | 14 | 18.922 | 19.048 | 0.126 |
| 0 | 15 | 18.834 | 18.979 | 0.145 |
| 3 | 20 | 18.941 | 19.018 | 0.077 |
| 3 | 21 | 18.514 | 18.587 | 0.073 |
| 3 | 22 | 19.046 | 19.118 | 0.072 |
| 3 | 23 | 19.200 | 19.267 | 0.067 |
| 3 | 24 | 18.920 | 19.025 | 0.105 |
| 5 | 25 | 19.148 | 19.218 | 0.070 |
| 5 | 26 | 19.140 | 19.245 | 0.105 |
| 5 | 27 | 18.708 | 18.836 | 0.128 |
| 5 | 28 | 18.742 | 18.879 | 0.137 |
| 5 | 29 | 19.136 | 19.239 | 0.103 |
| 10 | 30 | 19.098 | 19.100 | 0.002 |
| 10 | 31 | 18.845 | 18.867 | 0.022 |
| 10 | 32 | 18.653 | 18.694 | 0.041 |
| 10 | 33 | 18.924 | 18.944 | 0.020 |
| 10 | 34 | 18.747 | 18.808 | 0.061 |
| 15 | 35 | 18.900 | 18.962 | 0.062 |
| 15 | 36 | 18.798 | 18.802 | 0.004 |
| 15 | 37 | 19.027 | 19.087 | 0.060 |
| 15 | 38 | 18.696 | 18.766 | 0.070 |
| 15 | 39 | 18.687 | 18.787 | 0.100 |
| 30 | 40 | 18.842 | 18.675 | -0.167 |
| 30 | 41 | 19.397 | 19.178 | -0.219 |
| 30 | 42 | 19.113 | 18.919 | -0.194 |
| 30 | 43 | 18.951 | 18.786 | -0.165 |
| 30 | 44 | 19.406 | 19.193 | -0.213 |
| 35 | 45 | 19.183 | 19.118 | -0.065 |
| 35 | 46 | 19.451 | 19.173 | -0.278 |
| 35 | 47 | 18.772 | 18.747 | -0.025 |
| 35 | 48 | 19.199 | 19.136 | -0.063 |
| 35 | 49 | 19.149 | 19.093 | -0.056 |
| 50 | 50 | 19.657 | 19.188 | -0.469 |
| 50 | 51 | 19.645 | 19.194 | -0.451 |
| 50 | 52 | 19.463 | 19.026 | -0.437 |
| 50 | 53 | 19.601 | 19.165 | -0.436 |
| 50 | 54 | 19.290 | 18.908 | -0.382 |
| 55 | 55 | 19.633 | 19.189 | -0.444 |
| 55 | 56 | 19.215 | 18.790 | -0.425 |
| 55 | 57 | 19.416 | 19.019 | -0.397 |
| 55 | 58 | 19.451 | 19.244 | -0.207 |
| 55 | 59 | 18.846 | 18.714 | -0.132 |
| 100 | 60 | 19.822 | 18.974 | -0.848 |
| 100 | 61 | 20.151 | 19.268 | -0.883 |
| 100 | 62 | 19.968 | 19.087 | -0.881 |
| 100 | 63 | 19.544 | 18.706 | -0.838 |
| 100 | 64 | 19.785 | 18.963 | -0.822 |
| 105 | 65 | 19.351 | 18.869 | -0.482 |
| 105 | 66 | 19.314 | 18.844 | -0.470 |
| 105 | 67 | 20.189 | 19.233 | -0.956 |
| 105 | 68 | 20.117 | 19.190 | -0.927 |
| 105 | 69 | 19.801 | 19.287 | -0.514 |
| | Max | 20.189 | 19.287 | 0.145 |
| | Average | 19.206 | 18.997 | -0.209 |
| | Min | 18.514 | 18.587 | -0.956 |
| | Std Dev | 0.425 | 0.193 | 0.335 |




| | 18.7_Res_PU_EN2/EN2/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 18.697 | 18.587 | 18.836 | 18.694 | 18.766 | 18.675 | 18.747 | 18.908 | 18.714 | 18.706 | 18.844 |
| Average | 18.908 | 19.003 | 19.083 | 18.883 | 18.881 | 18.950 | 19.053 | 19.096 | 18.991 | 19.000 | 19.085 |
| Max | 19.048 | 19.267 | 19.245 | 19.100 | 19.087 | 19.193 | 19.173 | 19.194 | 19.244 | 19.268 | 19.287 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

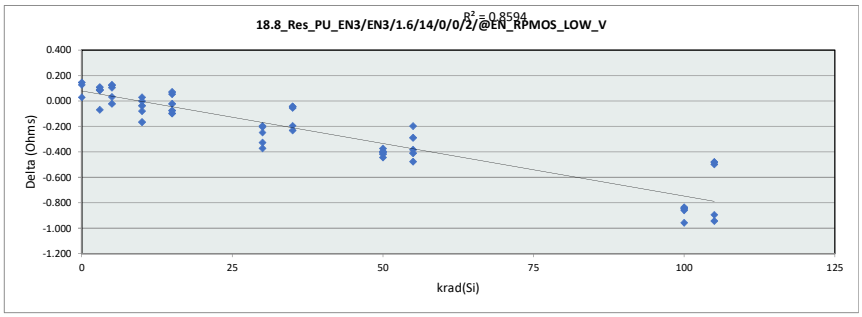


# TID HDR Report
# TPS7H3014-SP

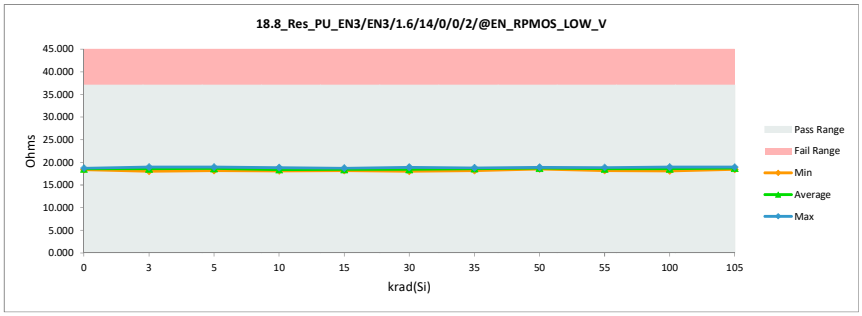
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.8_Res_PU_EN3/EN3/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 18.308 | 18.338 | 0.030 |
| 0 | 14 | 18.581 | 18.708 | 0.127 |
| 0 | 15 | 18.491 | 18.637 | 0.146 |
| 3 | 20 | 18.484 | 18.570 | 0.086 |
| 3 | 21 | 18.094 | 18.026 | -0.068 |
| 3 | 22 | 18.603 | 18.691 | 0.088 |
| 3 | 23 | 18.831 | 18.940 | 0.109 |
| 3 | 24 | 18.518 | 18.605 | 0.087 |
| 5 | 25 | 18.798 | 18.903 | 0.105 |
| 5 | 26 | 18.801 | 18.929 | 0.128 |
| 5 | 27 | 18.381 | 18.413 | 0.032 |
| 5 | 28 | 18.238 | 18.217 | -0.021 |
| 5 | 29 | 18.710 | 18.832 | 0.122 |
| 10 | 30 | 18.800 | 18.830 | 0.030 |
| 10 | 31 | 18.362 | 18.283 | -0.079 |
| 10 | 32 | 18.257 | 18.092 | -0.165 |
| 10 | 33 | 18.498 | 18.498 | 0.000 |
| 10 | 34 | 18.335 | 18.298 | -0.037 |
| 15 | 35 | 18.566 | 18.621 | 0.055 |
| 15 | 36 | 18.498 | 18.476 | -0.022 |
| 15 | 37 | 18.653 | 18.724 | 0.071 |
| 15 | 38 | 18.256 | 18.159 | -0.097 |
| 15 | 39 | 18.261 | 18.186 | -0.075 |
| 30 | 40 | 18.401 | 18.029 | -0.372 |
| 30 | 41 | 18.873 | 18.678 | -0.195 |
| 30 | 42 | 18.576 | 18.328 | -0.248 |
| 30 | 43 | 18.454 | 18.128 | -0.326 |
| 30 | 44 | 19.089 | 18.885 | -0.204 |
| 35 | 45 | 18.722 | 18.677 | -0.045 |
| 35 | 46 | 19.038 | 18.807 | -0.231 |
| 35 | 47 | 18.365 | 18.171 | -0.194 |
| 35 | 48 | 18.723 | 18.669 | -0.054 |
| 35 | 49 | 18.809 | 18.766 | -0.043 |
| 50 | 50 | 19.351 | 18.907 | -0.444 |
| 50 | 51 | 19.193 | 18.777 | -0.416 |
| 50 | 52 | 19.063 | 18.659 | -0.404 |
| 50 | 53 | 19.075 | 18.678 | -0.397 |
| 50 | 54 | 18.891 | 18.518 | -0.373 |
| 55 | 55 | 19.200 | 18.790 | -0.410 |
| 55 | 56 | 18.834 | 18.357 | -0.477 |
| 55 | 57 | 18.952 | 18.570 | -0.382 |
| 55 | 58 | 19.073 | 18.876 | -0.197 |
| 55 | 59 | 18.476 | 18.188 | -0.288 |
| 100 | 60 | 19.441 | 18.595 | -0.846 |
| 100 | 61 | 19.796 | 18.938 | -0.858 |
| 100 | 62 | 19.546 | 18.698 | -0.848 |
| 100 | 63 | 19.097 | 18.140 | -0.957 |
| 100 | 64 | 19.408 | 18.573 | -0.835 |
| 105 | 65 | 18.933 | 18.436 | -0.497 |
| 105 | 66 | 18.911 | 18.433 | -0.478 |
| 105 | 67 | 19.852 | 18.910 | -0.942 |
| 105 | 68 | 19.766 | 18.872 | -0.894 |
| 105 | 69 | 19.412 | 18.932 | -0.480 |
| | Max | 19.852 | 18.940 | 0.146 |
| | Average | 18.805 | 18.565 | -0.239 |
| | Min | 18.094 | 18.026 | -0.957 |
| | Std Dev | 0.431 | 0.276 | 0.319 |




| | 18.8_Res_PU_EN3/EN3/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 18.338 | 18.026 | 18.217 | 18.092 | 18.159 | 18.029 | 18.171 | 18.518 | 18.188 | 18.140 | 18.433 |
| Average | 18.561 | 18.566 | 18.659 | 18.400 | 18.433 | 18.410 | 18.618 | 18.708 | 18.556 | 18.589 | 18.717 |
| Max | 18.708 | 18.940 | 18.929 | 18.830 | 18.724 | 18.885 | 18.807 | 18.907 | 18.876 | 18.938 | 18.932 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

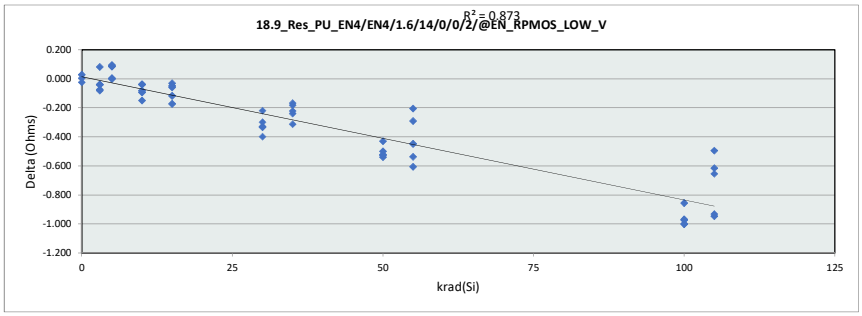


# TID HDR Report
# TPS7H3014-SP

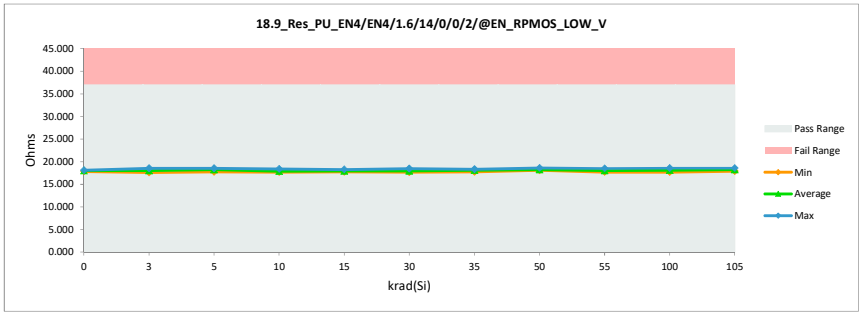
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.9_Res_PU_EN4/EN4/1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 17.796 | 17.822 | 0.026 |
| 0 | 14 | 18.109 | 18.083 | -0.026 |
| 0 | 15 | 18.085 | 18.088 | 0.003 |
| 3 | 20 | 18.022 | 17.946 | -0.076 |
| 3 | 21 | 17.608 | 17.566 | -0.042 |
| 3 | 22 | 18.139 | 18.056 | -0.083 |
| 3 | 23 | 18.432 | 18.512 | 0.080 |
| 3 | 24 | 17.991 | 17.950 | -0.041 |
| 5 | 25 | 18.433 | 18.526 | 0.093 |
| 5 | 26 | 18.409 | 18.491 | 0.082 |
| 5 | 27 | 17.836 | 17.833 | -0.003 |
| 5 | 28 | 17.709 | 17.712 | 0.003 |
| 5 | 29 | 18.369 | 18.454 | 0.085 |
| 10 | 30 | 18.418 | 18.376 | -0.042 |
| 10 | 31 | 17.846 | 17.751 | -0.095 |
| 10 | 32 | 17.719 | 17.635 | -0.084 |
| 10 | 33 | 18.097 | 17.945 | -0.152 |
| 10 | 34 | 17.766 | 17.727 | -0.039 |
| 15 | 35 | 18.158 | 18.038 | -0.120 |
| 15 | 36 | 18.135 | 17.960 | -0.175 |
| 15 | 37 | 18.305 | 18.244 | -0.061 |
| 15 | 38 | 17.745 | 17.694 | -0.051 |
| 15 | 39 | 17.742 | 17.710 | -0.032 |
| 30 | 40 | 17.938 | 17.637 | -0.301 |
| 30 | 41 | 18.502 | 18.167 | -0.335 |
| 30 | 42 | 18.233 | 17.833 | -0.400 |
| 30 | 43 | 18.011 | 17.681 | -0.330 |
| 30 | 44 | 18.667 | 18.445 | -0.222 |
| 35 | 45 | 18.304 | 18.080 | -0.224 |
| 35 | 46 | 18.594 | 18.280 | -0.314 |
| 35 | 47 | 17.868 | 17.699 | -0.169 |
| 35 | 48 | 18.313 | 18.072 | -0.241 |
| 35 | 49 | 18.412 | 18.228 | -0.184 |
| 50 | 50 | 19.035 | 18.604 | -0.431 |
| 50 | 51 | 18.761 | 18.260 | -0.501 |
| 50 | 52 | 18.618 | 18.077 | -0.541 |
| 50 | 53 | 18.680 | 18.152 | -0.528 |
| 50 | 54 | 18.577 | 18.053 | -0.524 |
| 55 | 55 | 18.791 | 18.342 | -0.449 |
| 55 | 56 | 18.415 | 17.807 | -0.608 |
| 55 | 57 | 18.528 | 17.989 | -0.539 |
| 55 | 58 | 18.672 | 18.465 | -0.207 |
| 55 | 59 | 17.948 | 17.655 | -0.293 |
| 100 | 60 | 19.019 | 18.016 | -1.003 |
| 100 | 61 | 19.406 | 18.548 | -0.858 |
| 100 | 62 | 19.098 | 18.123 | -0.975 |
| 100 | 63 | 18.672 | 17.672 | -1.000 |
| 100 | 64 | 18.972 | 18.002 | -0.970 |
| 105 | 65 | 18.548 | 17.892 | -0.656 |
| 105 | 66 | 18.483 | 17.866 | -0.617 |
| 105 | 67 | 19.436 | 18.503 | -0.933 |
| 105 | 68 | 19.284 | 18.336 | -0.948 |
| 105 | 69 | 19.036 | 18.540 | -0.496 |
| | Max | 19.436 | 18.604 | 0.093 |
| | Average | 18.372 | 18.059 | -0.312 |
| | Min | 17.608 | 17.566 | -1.003 |
| | Std Dev | 0.462 | 0.297 | 0.325 |




| | 18.9_Res_PU_EN4/EN4/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 17.822 | 17.566 | 17.712 | 17.635 | 17.694 | 17.637 | 17.699 | 18.053 | 17.655 | 17.672 | 17.866 |
| Average | 17.998 | 18.006 | 18.203 | 17.887 | 17.929 | 17.953 | 18.072 | 18.229 | 18.052 | 18.072 | 18.227 |
| Max | 18.088 | 18.512 | 18.526 | 18.376 | 18.244 | 18.445 | 18.280 | 18.604 | 18.465 | 18.548 | 18.540 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

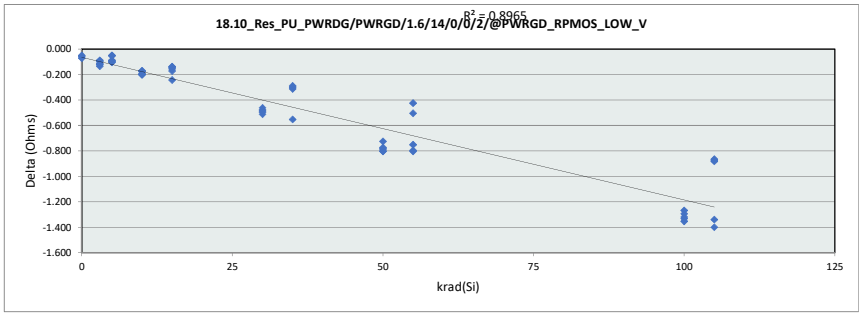


# TID HDR Report
# TPS7H3014-SP

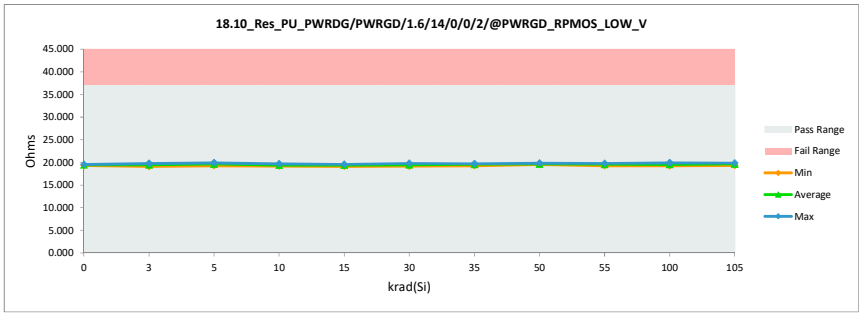
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.10_Res_PU_PWRDG/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 19.355 | 19.284 | -0.071 |
| 0 | 14 | 19.588 | 19.537 | -0.051 |
| 0 | 15 | 19.591 | 19.534 | -0.057 |
| 3 | 20 | 19.487 | 19.371 | -0.116 |
| 3 | 21 | 19.233 | 19.098 | -0.135 |
| 3 | 22 | 19.687 | 19.564 | -0.123 |
| 3 | 23 | 19.845 | 19.746 | -0.099 |
| 3 | 24 | 19.599 | 19.509 | -0.090 |
| 5 | 25 | 19.971 | 19.874 | -0.097 |
| 5 | 26 | 19.959 | 19.869 | -0.090 |
| 5 | 27 | 19.506 | 19.402 | -0.104 |
| 5 | 28 | 19.321 | 19.267 | -0.054 |
| 5 | 29 | 19.778 | 19.727 | -0.051 |
| 10 | 30 | 19.823 | 19.646 | -0.177 |
| 10 | 31 | 19.535 | 19.336 | -0.199 |
| 10 | 32 | 19.362 | 19.166 | -0.196 |
| 10 | 33 | 19.708 | 19.506 | -0.202 |
| 10 | 34 | 19.468 | 19.296 | -0.172 |
| 15 | 35 | 19.660 | 19.487 | -0.173 |
| 15 | 36 | 19.606 | 19.362 | -0.244 |
| 15 | 37 | 19.690 | 19.550 | -0.140 |
| 15 | 38 | 19.273 | 19.130 | -0.143 |
| 15 | 39 | 19.414 | 19.257 | -0.157 |
| 30 | 40 | 19.672 | 19.192 | -0.480 |
| 30 | 41 | 20.287 | 19.773 | -0.514 |
| 30 | 42 | 19.855 | 19.393 | -0.462 |
| 30 | 43 | 19.800 | 19.313 | -0.487 |
| 30 | 44 | 20.132 | 19.635 | -0.497 |
| 35 | 45 | 19.976 | 19.670 | -0.306 |
| 35 | 46 | 20.262 | 19.708 | -0.554 |
| 35 | 47 | 19.544 | 19.254 | -0.290 |
| 35 | 48 | 19.718 | 19.422 | -0.296 |
| 35 | 49 | 20.003 | 19.688 | -0.315 |
| 50 | 50 | 20.602 | 19.797 | -0.805 |
| 50 | 51 | 20.430 | 19.628 | -0.802 |
| 50 | 52 | 20.322 | 19.537 | -0.785 |
| 50 | 53 | 20.498 | 19.723 | -0.775 |
| 50 | 54 | 20.223 | 19.496 | -0.727 |
| 55 | 55 | 20.533 | 19.736 | -0.797 |
| 55 | 56 | 20.176 | 19.371 | -0.805 |
| 55 | 57 | 20.325 | 19.572 | -0.753 |
| 55 | 58 | 20.286 | 19.780 | -0.506 |
| 55 | 59 | 19.651 | 19.225 | -0.426 |
| 100 | 60 | 20.862 | 19.507 | -1.355 |
| 100 | 61 | 21.200 | 19.867 | -1.333 |
| 100 | 62 | 20.659 | 19.363 | -1.296 |
| 100 | 63 | 20.548 | 19.227 | -1.321 |
| 100 | 64 | 20.814 | 19.545 | -1.269 |
| 105 | 65 | 20.261 | 19.378 | -0.883 |
| 105 | 66 | 20.165 | 19.298 | -0.867 |
| 105 | 67 | 21.210 | 19.809 | -1.401 |
| 105 | 68 | 21.037 | 19.695 | -1.342 |
| 105 | 69 | 20.736 | 19.861 | -0.875 |
| | Max | 21.210 | 19.874 | -0.051 |
| | Average | 20.005 | 19.509 | -0.496 |
| | Min | 19.233 | 19.098 | -1.401 |
| | Std Dev | 0.516 | 0.217 | 0.423 |




| | 18.10_Res_PU_PWRDG/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 19.284 | 19.098 | 19.267 | 19.166 | 19.130 | 19.192 | 19.254 | 19.496 | 19.225 | 19.227 | 19.298 |
| Average | 19.452 | 19.458 | 19.628 | 19.390 | 19.357 | 19.461 | 19.548 | 19.636 | 19.537 | 19.502 | 19.608 |
| Max | 19.537 | 19.746 | 19.874 | 19.646 | 19.550 | 19.773 | 19.708 | 19.797 | 19.780 | 19.867 | 19.861 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

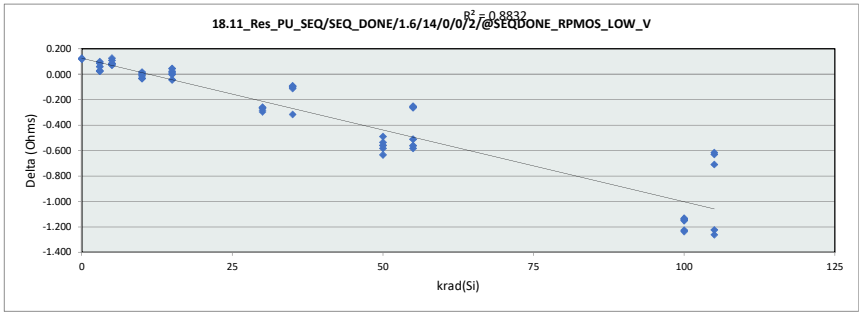


# TID HDR Report
# TPS7H3014-SP

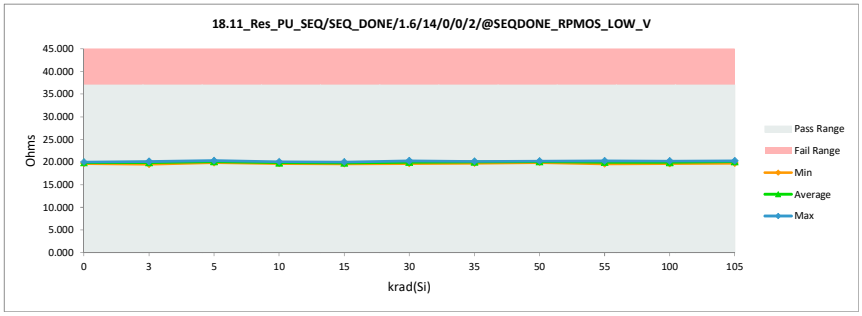
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.11_Res_PU_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 40 | 37 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 19.566 | 19.688 | 0.122 |
| 0 | 14 | 19.869 | 19.986 | 0.117 |
| 0 | 15 | 19.862 | 19.987 | 0.125 |
| 3 | 20 | 19.692 | 19.717 | 0.025 |
| 3 | 21 | 19.482 | 19.505 | 0.023 |
| 3 | 22 | 19.943 | 20.001 | 0.058 |
| 3 | 23 | 20.018 | 20.115 | 0.097 |
| 3 | 24 | 19.936 | 20.021 | 0.085 |
| 5 | 25 | 20.167 | 20.250 | 0.083 |
| 5 | 26 | 20.181 | 20.288 | 0.107 |
| 5 | 27 | 19.767 | 19.838 | 0.071 |
| 5 | 28 | 19.784 | 19.864 | 0.080 |
| 5 | 29 | 20.098 | 20.222 | 0.124 |
| 10 | 30 | 20.071 | 20.071 | 0.000 |
| 10 | 31 | 19.841 | 19.807 | -0.034 |
| 10 | 32 | 19.722 | 19.687 | -0.035 |
| 10 | 33 | 19.965 | 19.951 | -0.014 |
| 10 | 34 | 19.741 | 19.755 | 0.014 |
| 15 | 35 | 19.834 | 19.855 | 0.021 |
| 15 | 36 | 19.861 | 19.816 | -0.045 |
| 15 | 37 | 19.939 | 19.983 | 0.044 |
| 15 | 38 | 19.621 | 19.619 | -0.002 |
| 15 | 39 | 19.688 | 19.698 | 0.010 |
| 30 | 40 | 19.943 | 19.683 | -0.260 |
| 30 | 41 | 20.517 | 20.232 | -0.285 |
| 30 | 42 | 20.151 | 19.853 | -0.298 |
| 30 | 43 | 20.107 | 19.841 | -0.266 |
| 30 | 44 | 20.393 | 20.127 | -0.266 |
| 35 | 45 | 20.179 | 20.078 | -0.101 |
| 35 | 46 | 20.438 | 20.120 | -0.318 |
| 35 | 47 | 19.855 | 19.754 | -0.101 |
| 35 | 48 | 20.132 | 20.040 | -0.092 |
| 35 | 49 | 20.209 | 20.096 | -0.113 |
| 50 | 50 | 20.842 | 20.207 | -0.635 |
| 50 | 51 | 20.620 | 20.059 | -0.561 |
| 50 | 52 | 20.461 | 19.923 | -0.538 |
| 50 | 53 | 20.779 | 20.195 | -0.584 |
| 50 | 54 | 20.395 | 19.904 | -0.491 |
| 55 | 55 | 20.771 | 20.187 | -0.584 |
| 55 | 56 | 20.304 | 19.740 | -0.564 |
| 55 | 57 | 20.577 | 20.064 | -0.513 |
| 55 | 58 | 20.500 | 20.236 | -0.264 |
| 55 | 59 | 19.855 | 19.601 | -0.254 |
| 100 | 60 | 21.224 | 19.985 | -1.239 |
| 100 | 61 | 21.430 | 20.202 | -1.228 |
| 100 | 62 | 20.952 | 19.800 | -1.152 |
| 100 | 63 | 20.808 | 19.674 | -1.134 |
| 100 | 64 | 21.133 | 19.991 | -1.142 |
| 105 | 65 | 20.481 | 19.850 | -0.631 |
| 105 | 66 | 20.338 | 19.721 | -0.617 |
| 105 | 67 | 21.463 | 20.200 | -1.263 |
| 105 | 68 | 21.448 | 20.222 | -1.226 |
| 105 | 69 | 20.951 | 20.240 | -0.711 |
| Max | | 21.463 | 20.288 | 0.125 |
| Average | | 20.262 | 19.954 | -0.309 |
| Min | | 19.482 | 19.505 | -1.263 |
| Std Dev | | 0.511 | 0.207 | 0.429 |




| | 18.11_Res_PU_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 37 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 19.688 | 19.505 | 19.838 | 19.687 | 19.619 | 19.683 | 19.754 | 19.904 | 19.601 | 19.674 | 19.721 |
| Average | 19.887 | 19.872 | 20.092 | 19.854 | 19.794 | 19.947 | 20.018 | 20.058 | 19.966 | 19.930 | 20.047 |
| Max | 19.987 | 20.115 | 20.288 | 20.071 | 19.983 | 20.232 | 20.120 | 20.207 | 20.236 | 20.202 | 20.240 |
| UL | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 | 37.000 |

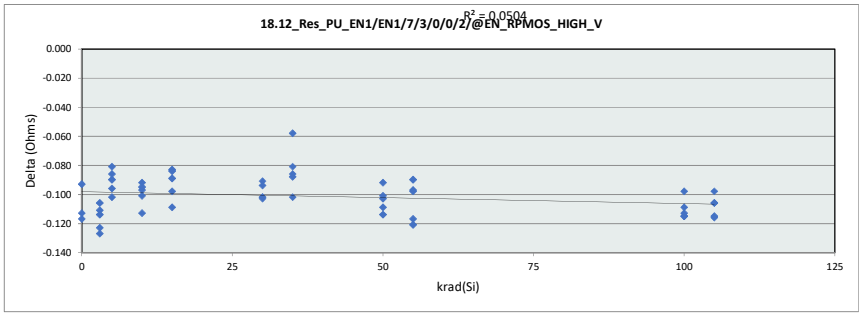


# TID HDR Report
# TPS7H3014-SP

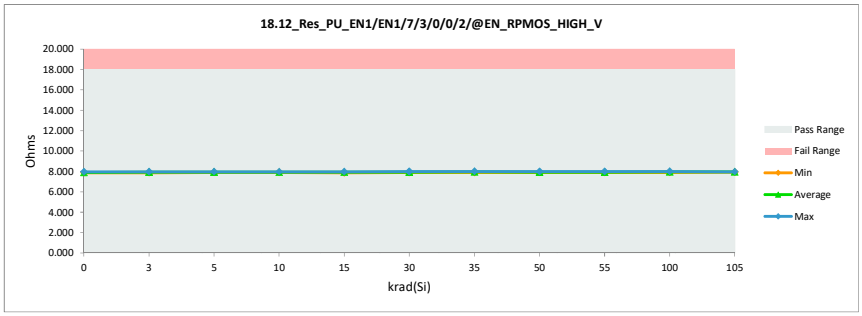
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.12_Res_PU_EN1/EN1/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.981 | 7.868 | -0.113 |
| 0 | 14 | 8.073 | 7.956 | -0.117 |
| 0 | 15 | 7.976 | 7.883 | -0.093 |
| 3 | 20 | 8.070 | 7.959 | -0.111 |
| 3 | 21 | 7.994 | 7.867 | -0.127 |
| 3 | 22 | 8.065 | 7.942 | -0.123 |
| 3 | 23 | 8.086 | 7.972 | -0.114 |
| 3 | 24 | 8.022 | 7.916 | -0.106 |
| 5 | 25 | 8.026 | 7.936 | -0.090 |
| 5 | 26 | 8.048 | 7.962 | -0.086 |
| 5 | 27 | 8.004 | 7.908 | -0.096 |
| 5 | 28 | 8.019 | 7.938 | -0.081 |
| 5 | 29 | 8.025 | 7.923 | -0.102 |
| 10 | 30 | 8.053 | 7.961 | -0.092 |
| 10 | 31 | 7.995 | 7.898 | -0.097 |
| 10 | 32 | 8.036 | 7.923 | -0.113 |
| 10 | 33 | 8.041 | 7.940 | -0.101 |
| 10 | 34 | 7.993 | 7.898 | -0.095 |
| 15 | 35 | 8.057 | 7.968 | -0.089 |
| 15 | 36 | 7.981 | 7.872 | -0.109 |
| 15 | 37 | 8.011 | 7.913 | -0.098 |
| 15 | 38 | 7.942 | 7.858 | -0.084 |
| 15 | 39 | 8.056 | 7.973 | -0.083 |
| 30 | 40 | 7.985 | 7.882 | -0.103 |
| 30 | 41 | 8.066 | 7.975 | -0.091 |
| 30 | 42 | 8.040 | 7.946 | -0.094 |
| 30 | 43 | 7.993 | 7.891 | -0.102 |
| 30 | 44 | 8.059 | 7.957 | -0.102 |
| 35 | 45 | 8.044 | 7.958 | -0.086 |
| 35 | 46 | 8.056 | 7.968 | -0.088 |
| 35 | 47 | 7.984 | 7.882 | -0.102 |
| 35 | 48 | 8.054 | 7.996 | -0.058 |
| 35 | 49 | 8.037 | 7.956 | -0.081 |
| 50 | 50 | 8.064 | 7.950 | -0.114 |
| 50 | 51 | 8.020 | 7.919 | -0.101 |
| 50 | 52 | 8.051 | 7.942 | -0.109 |
| 50 | 53 | 8.075 | 7.983 | -0.092 |
| 50 | 54 | 8.007 | 7.904 | -0.103 |
| 55 | 55 | 8.076 | 7.978 | -0.098 |
| 55 | 56 | 8.006 | 7.885 | -0.121 |
| 55 | 57 | 8.020 | 7.903 | -0.117 |
| 55 | 58 | 8.055 | 7.965 | -0.090 |
| 55 | 59 | 8.000 | 7.903 | -0.097 |
| 100 | 60 | 8.041 | 7.926 | -0.115 |
| 100 | 61 | 8.101 | 7.988 | -0.113 |
| 100 | 62 | 8.089 | 7.991 | -0.098 |
| 100 | 63 | 8.014 | 7.899 | -0.115 |
| 100 | 64 | 8.065 | 7.956 | -0.109 |
| 105 | 65 | 8.028 | 7.912 | -0.116 |
| 105 | 66 | 8.069 | 7.971 | -0.098 |
| 105 | 67 | 8.061 | 7.955 | -0.106 |
| 105 | 68 | 8.087 | 7.972 | -0.115 |
| 105 | 69 | 8.033 | 7.927 | -0.106 |
| | Max | 8.101 | 7.996 | -0.058 |
| | Average | 8.035 | 7.933 | -0.101 |
| | Min | 7.942 | 7.858 | -0.127 |
| | Std Dev | 0.035 | 0.037 | 0.013 |




| | 18.12_Res_PU_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 7.868 | 7.867 | 7.908 | 7.898 | 7.858 | 7.882 | 7.882 | 7.904 | 7.885 | 7.899 | 7.912 |
| Average | 7.902 | 7.931 | 7.933 | 7.924 | 7.917 | 7.930 | 7.952 | 7.940 | 7.927 | 7.952 | 7.947 |
| Max | 7.956 | 7.972 | 7.962 | 7.961 | 7.973 | 7.975 | 7.996 | 7.983 | 7.978 | 7.991 | 7.972 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

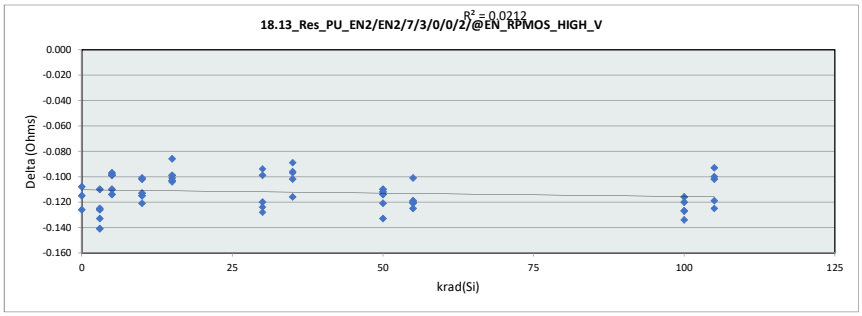


# TID HDR Report
# TPS7H3014-SP

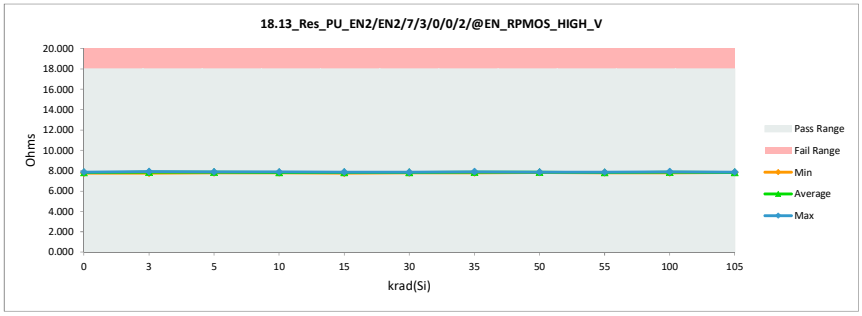
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.13_Res_PU_EN2/EN2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.889 | 7.763 | -0.126 |
| 0 | 14 | 7.977 | 7.862 | -0.115 |
| 0 | 15 | 7.891 | 7.783 | -0.108 |
| 3 | 20 | 8.042 | 7.909 | -0.133 |
| 3 | 21 | 7.899 | 7.758 | -0.141 |
| 3 | 22 | 7.953 | 7.828 | -0.125 |
| 3 | 23 | 7.991 | 7.865 | -0.126 |
| 3 | 24 | 7.950 | 7.840 | -0.110 |
| 5 | 25 | 7.934 | 7.837 | -0.097 |
| 5 | 26 | 7.978 | 7.879 | -0.099 |
| 5 | 27 | 7.907 | 7.793 | -0.114 |
| 5 | 28 | 7.921 | 7.811 | -0.110 |
| 5 | 29 | 7.967 | 7.869 | -0.098 |
| 10 | 30 | 7.973 | 7.871 | -0.102 |
| 10 | 31 | 7.915 | 7.800 | -0.115 |
| 10 | 32 | 7.948 | 7.835 | -0.113 |
| 10 | 33 | 7.933 | 7.812 | -0.121 |
| 10 | 34 | 7.904 | 7.803 | -0.101 |
| 15 | 35 | 7.945 | 7.846 | -0.099 |
| 15 | 36 | 7.903 | 7.802 | -0.101 |
| 15 | 37 | 7.958 | 7.855 | -0.103 |
| 15 | 38 | 7.852 | 7.748 | -0.104 |
| 15 | 39 | 7.936 | 7.850 | -0.086 |
| 30 | 40 | 7.912 | 7.784 | -0.128 |
| 30 | 41 | 7.951 | 7.831 | -0.120 |
| 30 | 42 | 7.933 | 7.834 | -0.099 |
| 30 | 43 | 7.929 | 7.805 | -0.124 |
| 30 | 44 | 7.942 | 7.848 | -0.094 |
| 35 | 45 | 7.957 | 7.841 | -0.116 |
| 35 | 46 | 7.982 | 7.885 | -0.097 |
| 35 | 47 | 7.888 | 7.792 | -0.096 |
| 35 | 48 | 7.935 | 7.846 | -0.089 |
| 35 | 49 | 7.976 | 7.874 | -0.102 |
| 50 | 50 | 7.979 | 7.858 | -0.121 |
| 50 | 51 | 7.954 | 7.840 | -0.114 |
| 50 | 52 | 7.979 | 7.846 | -0.133 |
| 50 | 53 | 7.951 | 7.839 | -0.112 |
| 50 | 54 | 7.919 | 7.809 | -0.110 |
| 55 | 55 | 7.965 | 7.846 | -0.119 |
| 55 | 56 | 7.921 | 7.796 | -0.125 |
| 55 | 57 | 7.914 | 7.793 | -0.121 |
| 55 | 58 | 7.957 | 7.837 | -0.120 |
| 55 | 59 | 7.909 | 7.808 | -0.101 |
| 100 | 60 | 7.940 | 7.806 | -0.134 |
| 100 | 61 | 8.025 | 7.898 | -0.127 |
| 100 | 62 | 8.005 | 7.889 | -0.116 |
| 100 | 63 | 7.918 | 7.798 | -0.120 |
| 100 | 64 | 7.969 | 7.842 | -0.127 |
| 105 | 65 | 7.929 | 7.804 | -0.125 |
| 105 | 66 | 7.936 | 7.834 | -0.102 |
| 105 | 67 | 7.926 | 7.833 | -0.093 |
| 105 | 68 | 7.957 | 7.838 | -0.119 |
| 105 | 69 | 7.953 | 7.853 | -0.100 |
| | Max | 8.042 | 7.909 | -0.086 |
| | Average | 7.943 | 7.831 | -0.112 |
| | Min | 7.852 | 7.748 | -0.141 |
| | Std Dev | 0.035 | 0.035 | 0.013 |




| | 18.13_Res_PU_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 7.763 | 7.758 | 7.793 | 7.800 | 7.748 | 7.784 | 7.792 | 7.809 | 7.793 | 7.798 | 7.804 |
| Average | 7.803 | 7.840 | 7.838 | 7.824 | 7.820 | 7.820 | 7.848 | 7.838 | 7.816 | 7.847 | 7.832 |
| Max | 7.862 | 7.909 | 7.879 | 7.871 | 7.855 | 7.848 | 7.885 | 7.858 | 7.846 | 7.898 | 7.853 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

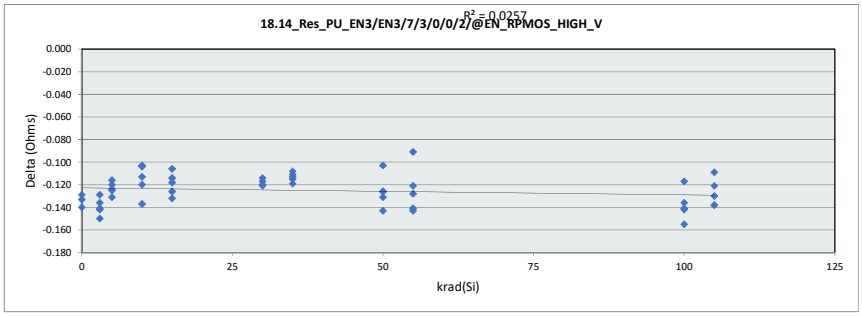


# TID HDR Report
# TPS7H3014-SP

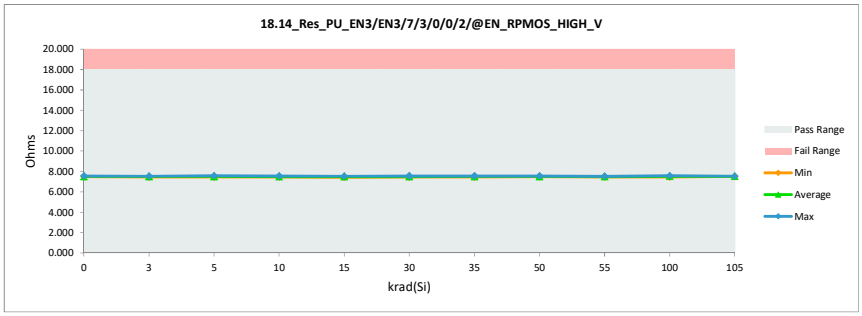
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.14_Res_PU_EN3/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.616 | 7.476 | -0.140 |
| 0 | 14 | 7.687 | 7.554 | -0.133 |
| 0 | 15 | 7.604 | 7.475 | -0.129 |
| 3 | 20 | 7.681 | 7.540 | -0.141 |
| 3 | 21 | 7.576 | 7.434 | -0.142 |
| 3 | 22 | 7.623 | 7.473 | -0.150 |
| 3 | 23 | 7.673 | 7.544 | -0.129 |
| 3 | 24 | 7.640 | 7.504 | -0.136 |
| 5 | 25 | 7.645 | 7.529 | -0.116 |
| 5 | 26 | 7.687 | 7.562 | -0.125 |
| 5 | 27 | 7.587 | 7.463 | -0.124 |
| 5 | 28 | 7.571 | 7.440 | -0.131 |
| 5 | 29 | 7.630 | 7.510 | -0.120 |
| 10 | 30 | 7.695 | 7.558 | -0.137 |
| 10 | 31 | 7.546 | 7.442 | -0.104 |
| 10 | 32 | 7.606 | 7.486 | -0.120 |
| 10 | 33 | 7.592 | 7.479 | -0.113 |
| 10 | 34 | 7.574 | 7.471 | -0.103 |
| 15 | 35 | 7.656 | 7.542 | -0.114 |
| 15 | 36 | 7.631 | 7.505 | -0.126 |
| 15 | 37 | 7.632 | 7.500 | -0.132 |
| 15 | 38 | 7.537 | 7.419 | -0.118 |
| 15 | 39 | 7.597 | 7.491 | -0.106 |
| 30 | 40 | 7.553 | 7.439 | -0.114 |
| 30 | 41 | 7.619 | 7.499 | -0.120 |
| 30 | 42 | 7.584 | 7.467 | -0.117 |
| 30 | 43 | 7.569 | 7.448 | -0.121 |
| 30 | 44 | 7.669 | 7.549 | -0.120 |
| 35 | 45 | 7.619 | 7.500 | -0.119 |
| 35 | 46 | 7.669 | 7.561 | -0.108 |
| 35 | 47 | 7.571 | 7.460 | -0.111 |
| 35 | 48 | 7.605 | 7.492 | -0.113 |
| 35 | 49 | 7.652 | 7.537 | -0.115 |
| 50 | 50 | 7.677 | 7.551 | -0.126 |
| 50 | 51 | 7.604 | 7.501 | -0.103 |
| 50 | 52 | 7.653 | 7.510 | -0.143 |
| 50 | 53 | 7.595 | 7.469 | -0.126 |
| 50 | 54 | 7.609 | 7.478 | -0.131 |
| 55 | 55 | 7.660 | 7.517 | -0.143 |
| 55 | 56 | 7.615 | 7.487 | -0.128 |
| 55 | 57 | 7.595 | 7.454 | -0.141 |
| 55 | 58 | 7.641 | 7.520 | -0.121 |
| 55 | 59 | 7.593 | 7.502 | -0.091 |
| 100 | 60 | 7.629 | 7.493 | -0.136 |
| 100 | 61 | 7.713 | 7.572 | -0.141 |
| 100 | 62 | 7.700 | 7.558 | -0.142 |
| 100 | 63 | 7.611 | 7.456 | -0.155 |
| 100 | 64 | 7.630 | 7.513 | -0.117 |
| 105 | 65 | 7.628 | 7.498 | -0.130 |
| 105 | 66 | 7.656 | 7.518 | -0.138 |
| 105 | 67 | 7.658 | 7.537 | -0.121 |
| 105 | 68 | 7.665 | 7.527 | -0.138 |
| 105 | 69 | 7.649 | 7.540 | -0.109 |
| | Max | 7.713 | 7.572 | -0.091 |
| | Average | 7.626 | 7.501 | -0.125 |
| | Min | 7.537 | 7.419 | -0.155 |
| | Std Dev | 0.042 | 0.039 | 0.013 |




| | 18.14_Res_PU_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 7.475 | 7.434 | 7.440 | 7.442 | 7.419 | 7.439 | 7.460 | 7.469 | 7.454 | 7.456 | 7.498 |
| Average | 7.502 | 7.499 | 7.501 | 7.487 | 7.491 | 7.480 | 7.510 | 7.502 | 7.496 | 7.518 | 7.524 |
| Max | 7.554 | 7.544 | 7.562 | 7.558 | 7.542 | 7.549 | 7.561 | 7.551 | 7.520 | 7.572 | 7.540 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

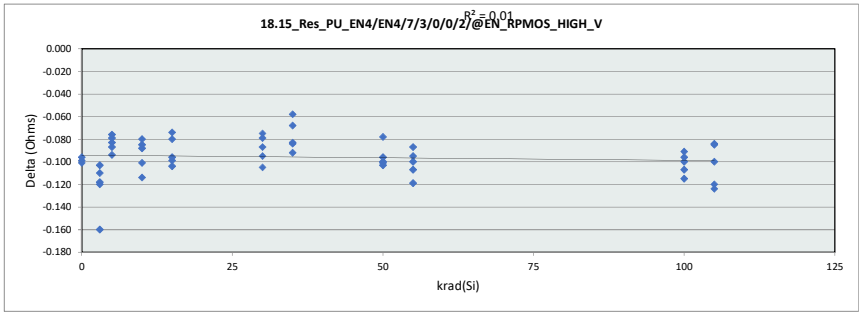


# TID HDR Report
# TPS7H3014-SP

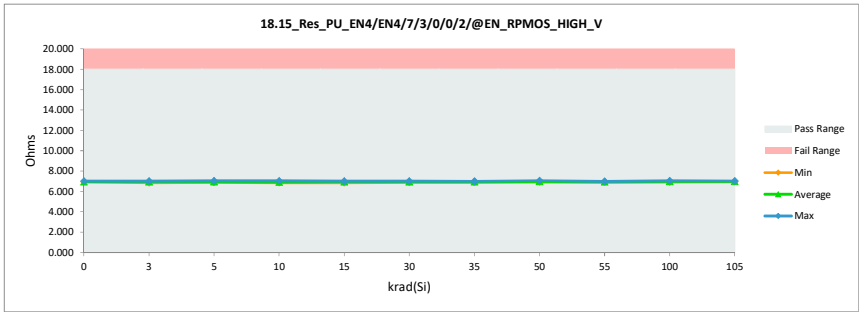
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.15_Res_PU_EN4/EN4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.040 | 6.939 | -0.101 |
| 0 | 14 | 7.103 | 7.004 | -0.099 |
| 0 | 15 | 7.040 | 6.944 | -0.096 |
| 3 | 20 | 7.106 | 6.988 | -0.118 |
| 3 | 21 | 7.012 | 6.852 | -0.160 |
| 3 | 22 | 7.043 | 6.923 | -0.120 |
| 3 | 23 | 7.111 | 7.008 | -0.103 |
| 3 | 24 | 7.042 | 6.932 | -0.110 |
| 5 | 25 | 7.079 | 6.996 | -0.083 |
| 5 | 26 | 7.113 | 7.037 | -0.076 |
| 5 | 27 | 6.979 | 6.900 | -0.079 |
| 5 | 28 | 6.986 | 6.899 | -0.087 |
| 5 | 29 | 7.080 | 6.986 | -0.094 |
| 10 | 30 | 7.129 | 7.041 | -0.088 |
| 10 | 31 | 6.973 | 6.888 | -0.085 |
| 10 | 32 | 7.013 | 6.899 | -0.114 |
| 10 | 33 | 7.025 | 6.945 | -0.080 |
| 10 | 34 | 6.973 | 6.872 | -0.101 |
| 15 | 35 | 7.083 | 7.009 | -0.074 |
| 15 | 36 | 7.047 | 6.951 | -0.096 |
| 15 | 37 | 7.060 | 6.961 | -0.099 |
| 15 | 38 | 6.974 | 6.870 | -0.104 |
| 15 | 39 | 7.020 | 6.940 | -0.080 |
| 30 | 40 | 7.007 | 6.902 | -0.105 |
| 30 | 41 | 7.055 | 6.976 | -0.079 |
| 30 | 42 | 7.036 | 6.949 | -0.087 |
| 30 | 43 | 6.998 | 6.903 | -0.095 |
| 30 | 44 | 7.086 | 7.011 | -0.075 |
| 35 | 45 | 7.055 | 6.971 | -0.084 |
| 35 | 46 | 7.092 | 7.000 | -0.092 |
| 35 | 47 | 6.979 | 6.896 | -0.083 |
| 35 | 48 | 7.019 | 6.961 | -0.058 |
| 35 | 49 | 7.067 | 6.999 | -0.068 |
| 50 | 50 | 7.165 | 7.064 | -0.101 |
| 50 | 51 | 7.047 | 6.951 | -0.096 |
| 50 | 52 | 7.089 | 6.986 | -0.103 |
| 50 | 53 | 7.014 | 6.914 | -0.100 |
| 50 | 54 | 7.043 | 6.965 | -0.078 |
| 55 | 55 | 7.087 | 6.980 | -0.107 |
| 55 | 56 | 7.033 | 6.933 | -0.100 |
| 55 | 57 | 7.011 | 6.892 | -0.119 |
| 55 | 58 | 7.097 | 7.002 | -0.095 |
| 55 | 59 | 6.994 | 6.907 | -0.087 |
| 100 | 60 | 7.061 | 6.954 | -0.107 |
| 100 | 61 | 7.148 | 7.048 | -0.100 |
| 100 | 62 | 7.106 | 7.010 | -0.096 |
| 100 | 63 | 7.029 | 6.914 | -0.115 |
| 100 | 64 | 7.055 | 6.964 | -0.091 |
| 105 | 65 | 7.066 | 6.946 | -0.120 |
| 105 | 66 | 7.060 | 6.960 | -0.100 |
| 105 | 67 | 7.092 | 7.007 | -0.085 |
| 105 | 68 | 7.093 | 6.969 | -0.124 |
| 105 | 69 | 7.116 | 7.032 | -0.084 |
| | Max | 7.165 | 7.064 | -0.058 |
| | Average | 7.053 | 6.958 | -0.096 |
| | Min | 6.973 | 6.852 | -0.160 |
| | Std Dev | 0.047 | 0.050 | 0.017 |




| | 18.15_Res_PU_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 6.939 | 6.852 | 6.899 | 6.872 | 6.870 | 6.902 | 6.896 | 6.914 | 6.892 | 6.914 | 6.946 |
| Average | 6.962 | 6.941 | 6.964 | 6.929 | 6.946 | 6.948 | 6.965 | 6.976 | 6.943 | 6.978 | 6.983 |
| Max | 7.004 | 7.008 | 7.037 | 7.041 | 7.009 | 7.011 | 7.000 | 7.064 | 7.002 | 7.048 | 7.032 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

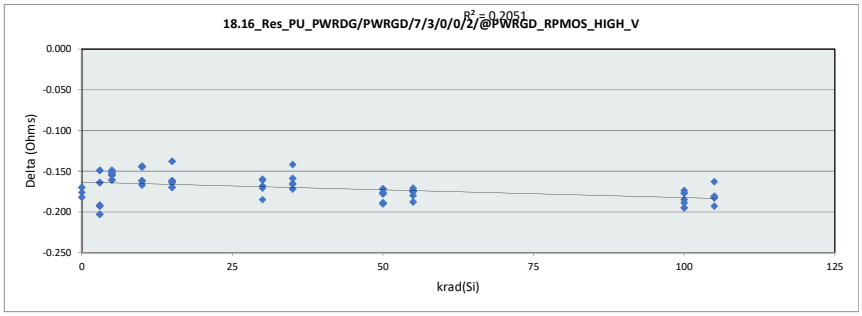


# TID HDR Report
# TPS7H3014-SP

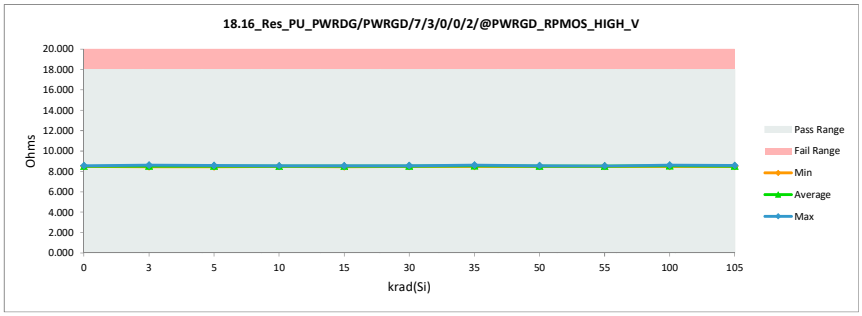
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.16_Res_PU_PWRDG/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 8.665 | 8.489 | -0.176 |
| 0 | 14 | 8.749 | 8.567 | -0.182 |
| 0 | 15 | 8.643 | 8.473 | -0.170 |
| 3 | 20 | 8.820 | 8.617 | -0.203 |
| 3 | 21 | 8.659 | 8.466 | -0.193 |
| 3 | 22 | 8.681 | 8.489 | -0.192 |
| 3 | 23 | 8.715 | 8.551 | -0.164 |
| 3 | 24 | 8.702 | 8.553 | -0.149 |
| 5 | 25 | 8.730 | 8.581 | -0.149 |
| 5 | 26 | 8.733 | 8.572 | -0.161 |
| 5 | 27 | 8.683 | 8.531 | -0.152 |
| 5 | 28 | 8.600 | 8.445 | -0.155 |
| 5 | 29 | 8.686 | 8.532 | -0.154 |
| 10 | 30 | 8.708 | 8.546 | -0.162 |
| 10 | 31 | 8.668 | 8.501 | -0.167 |
| 10 | 32 | 8.683 | 8.521 | -0.162 |
| 10 | 33 | 8.652 | 8.507 | -0.145 |
| 10 | 34 | 8.646 | 8.502 | -0.144 |
| 15 | 35 | 8.700 | 8.538 | -0.162 |
| 15 | 36 | 8.670 | 8.500 | -0.170 |
| 15 | 37 | 8.702 | 8.540 | -0.162 |
| 15 | 38 | 8.602 | 8.464 | -0.138 |
| 15 | 39 | 8.692 | 8.528 | -0.164 |
| 30 | 40 | 8.660 | 8.492 | -0.168 |
| 30 | 41 | 8.725 | 8.564 | -0.161 |
| 30 | 42 | 8.701 | 8.530 | -0.171 |
| 30 | 43 | 8.676 | 8.516 | -0.160 |
| 30 | 44 | 8.690 | 8.505 | -0.185 |
| 35 | 45 | 8.705 | 8.540 | -0.165 |
| 35 | 46 | 8.750 | 8.584 | -0.166 |
| 35 | 47 | 8.646 | 8.474 | -0.172 |
| 35 | 48 | 8.644 | 8.485 | -0.159 |
| 35 | 49 | 8.746 | 8.604 | -0.142 |
| 50 | 50 | 8.738 | 8.549 | -0.189 |
| 50 | 51 | 8.672 | 8.496 | -0.176 |
| 50 | 52 | 8.746 | 8.556 | -0.190 |
| 50 | 53 | 8.698 | 8.520 | -0.178 |
| 50 | 54 | 8.715 | 8.543 | -0.172 |
| 55 | 55 | 8.727 | 8.539 | -0.188 |
| 55 | 56 | 8.693 | 8.519 | -0.174 |
| 55 | 57 | 8.676 | 8.496 | -0.180 |
| 55 | 58 | 8.710 | 8.535 | -0.175 |
| 55 | 59 | 8.674 | 8.503 | -0.171 |
| 100 | 60 | 8.686 | 8.497 | -0.189 |
| 100 | 61 | 8.772 | 8.595 | -0.177 |
| 100 | 62 | 8.810 | 8.615 | -0.195 |
| 100 | 63 | 8.660 | 8.475 | -0.185 |
| 100 | 64 | 8.714 | 8.540 | -0.174 |
| 105 | 65 | 8.675 | 8.493 | -0.182 |
| 105 | 66 | 8.709 | 8.526 | -0.183 |
| 105 | 67 | 8.719 | 8.538 | -0.181 |
| 105 | 68 | 8.718 | 8.525 | -0.193 |
| 105 | 69 | 8.736 | 8.573 | -0.163 |
| | Max | 8.820 | 8.617 | -0.138 |
| | Average | 8.698 | 8.527 | -0.171 |
| | Min | 8.600 | 8.445 | -0.203 |
| | Std Dev | 0.043 | 0.039 | 0.015 |




| | 18.16_Res_PU_PWRDG/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 8.473 | 8.466 | 8.445 | 8.501 | 8.464 | 8.492 | 8.474 | 8.496 | 8.496 | 8.475 | 8.493 |
| Average | 8.510 | 8.535 | 8.532 | 8.515 | 8.514 | 8.521 | 8.537 | 8.533 | 8.518 | 8.544 | 8.531 |
| Max | 8.567 | 8.617 | 8.581 | 8.546 | 8.540 | 8.564 | 8.604 | 8.556 | 8.539 | 8.615 | 8.573 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

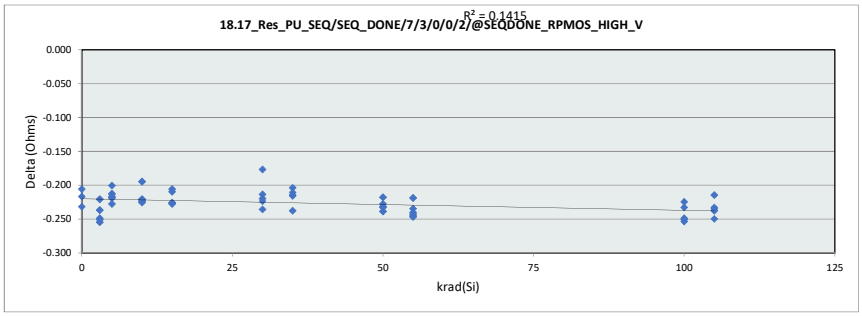


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

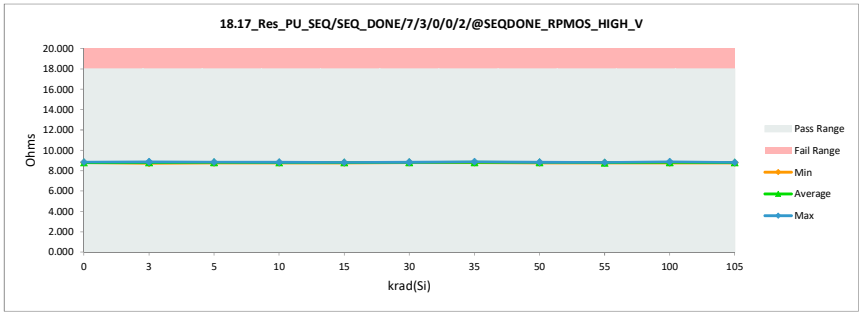
| | 18.17_Res_PU_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 8.991 | 8.785 | -0.206 |
| 0 | 14 | 9.072 | 8.840 | -0.232 |
| 0 | 15 | 8.992 | 8.775 | -0.217 |
| 3 | 20 | 9.121 | 8.870 | -0.251 |
| 3 | 21 | 8.988 | 8.739 | -0.249 |
| 3 | 22 | 8.995 | 8.740 | -0.255 |
| 3 | 23 | 9.020 | 8.783 | -0.237 |
| 3 | 24 | 9.068 | 8.847 | -0.221 |
| 5 | 25 | 9.055 | 8.827 | -0.228 |
| 5 | 26 | 9.065 | 8.852 | -0.213 |
| 5 | 27 | 9.011 | 8.794 | -0.217 |
| 5 | 28 | 8.959 | 8.758 | -0.201 |
| 5 | 29 | 9.037 | 8.818 | -0.219 |
| 10 | 30 | 9.056 | 8.835 | -0.221 |
| 10 | 31 | 8.990 | 8.764 | -0.226 |
| 10 | 32 | 9.032 | 8.810 | -0.222 |
| 10 | 33 | 9.003 | 8.779 | -0.224 |
| 10 | 34 | 8.985 | 8.790 | -0.195 |
| 15 | 35 | 9.021 | 8.794 | -0.227 |
| 15 | 36 | 9.017 | 8.789 | -0.228 |
| 15 | 37 | 9.037 | 8.811 | -0.226 |
| 15 | 38 | 8.964 | 8.758 | -0.206 |
| 15 | 39 | 9.031 | 8.821 | -0.210 |
| 30 | 40 | 8.974 | 8.797 | -0.177 |
| 30 | 41 | 9.074 | 8.838 | -0.236 |
| 30 | 42 | 9.034 | 8.810 | -0.224 |
| 30 | 43 | 9.030 | 8.816 | -0.214 |
| 30 | 44 | 9.032 | 8.812 | -0.220 |
| 35 | 45 | 9.013 | 8.802 | -0.211 |
| 35 | 46 | 9.086 | 8.848 | -0.238 |
| 35 | 47 | 8.988 | 8.784 | -0.204 |
| 35 | 48 | 9.009 | 8.793 | -0.216 |
| 35 | 49 | 9.094 | 8.879 | -0.215 |
| 50 | 50 | 9.066 | 8.833 | -0.233 |
| 50 | 51 | 8.999 | 8.771 | -0.228 |
| 50 | 52 | 9.037 | 8.805 | -0.232 |
| 50 | 53 | 9.052 | 8.813 | -0.239 |
| 50 | 54 | 9.034 | 8.816 | -0.218 |
| 55 | 55 | 9.058 | 8.817 | -0.241 |
| 55 | 56 | 9.012 | 8.768 | -0.244 |
| 55 | 57 | 9.022 | 8.775 | -0.247 |
| 55 | 58 | 9.048 | 8.813 | -0.235 |
| 55 | 59 | 8.977 | 8.758 | -0.219 |
| 100 | 60 | 9.007 | 8.774 | -0.233 |
| 100 | 61 | 9.089 | 8.838 | -0.251 |
| 100 | 62 | 9.128 | 8.874 | -0.254 |
| 100 | 63 | 8.985 | 8.760 | -0.225 |
| 100 | 64 | 9.069 | 8.820 | -0.249 |
| 105 | 65 | 9.022 | 8.772 | -0.250 |
| 105 | 66 | 9.023 | 8.808 | -0.215 |
| 105 | 67 | 9.040 | 8.807 | -0.233 |
| 105 | 68 | 9.048 | 8.813 | -0.235 |
| 105 | 69 | 9.034 | 8.796 | -0.238 |
| | Max | 9.128 | 8.879 | -0.177 |
| | Average | 9.030 | 8.804 | -0.227 |
| | Min | 8.959 | 8.739 | -0.255 |
| | Std Dev | 0.038 | 0.033 | 0.016 |




| | 18.17_Res_PU_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 18 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 8.775 | 8.739 | 8.758 | 8.764 | 8.758 | 8.797 | 8.784 | 8.771 | 8.758 | 8.760 | 8.772 |
| Average | 8.800 | 8.796 | 8.810 | 8.796 | 8.795 | 8.815 | 8.821 | 8.808 | 8.786 | 8.813 | 8.799 |
| Max | 8.840 | 8.870 | 8.852 | 8.835 | 8.821 | 8.838 | 8.879 | 8.833 | 8.817 | 8.874 | 8.813 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

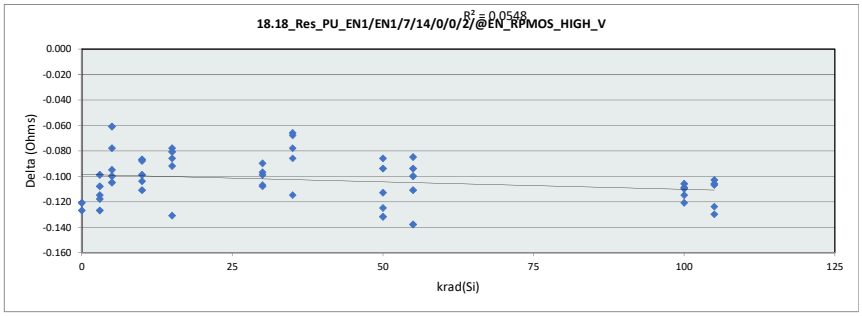


# TID HDR Report
# TPS7H3014-SP

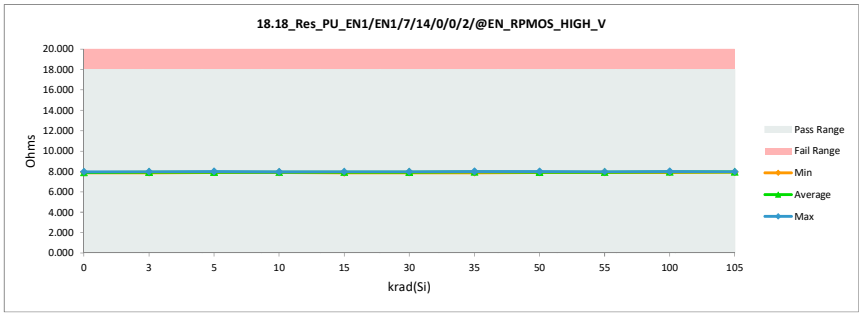
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.18_Res_PU_EN1/EN1/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.992 | 7.865 | -0.127 |
| 0 | 14 | 8.079 | 7.958 | -0.121 |
| 0 | 15 | 8.010 | 7.889 | -0.121 |
| 3 | 20 | 8.072 | 7.954 | -0.118 |
| 3 | 21 | 7.993 | 7.866 | -0.127 |
| 3 | 22 | 8.050 | 7.935 | -0.115 |
| 3 | 23 | 8.074 | 7.975 | -0.099 |
| 3 | 24 | 8.020 | 7.912 | -0.108 |
| 5 | 25 | 8.025 | 7.925 | -0.100 |
| 5 | 26 | 8.049 | 7.988 | -0.061 |
| 5 | 27 | 8.007 | 7.902 | -0.105 |
| 5 | 28 | 8.015 | 7.937 | -0.078 |
| 5 | 29 | 8.017 | 7.922 | -0.095 |
| 10 | 30 | 8.052 | 7.953 | -0.099 |
| 10 | 31 | 7.993 | 7.889 | -0.104 |
| 10 | 32 | 8.040 | 7.929 | -0.111 |
| 10 | 33 | 8.039 | 7.951 | -0.088 |
| 10 | 34 | 7.978 | 7.891 | -0.087 |
| 15 | 35 | 8.062 | 7.970 | -0.092 |
| 15 | 36 | 7.986 | 7.855 | -0.131 |
| 15 | 37 | 7.999 | 7.918 | -0.081 |
| 15 | 38 | 7.939 | 7.853 | -0.086 |
| 15 | 39 | 8.039 | 7.961 | -0.078 |
| 30 | 40 | 7.975 | 7.878 | -0.097 |
| 30 | 41 | 8.070 | 7.971 | -0.099 |
| 30 | 42 | 8.048 | 7.940 | -0.108 |
| 30 | 43 | 8.008 | 7.901 | -0.107 |
| 30 | 44 | 8.058 | 7.968 | -0.090 |
| 35 | 45 | 8.028 | 7.960 | -0.068 |
| 35 | 46 | 8.058 | 7.980 | -0.078 |
| 35 | 47 | 7.985 | 7.870 | -0.115 |
| 35 | 48 | 8.055 | 7.989 | -0.066 |
| 35 | 49 | 8.032 | 7.946 | -0.086 |
| 50 | 50 | 8.090 | 7.958 | -0.132 |
| 50 | 51 | 8.017 | 7.892 | -0.125 |
| 50 | 52 | 8.057 | 7.944 | -0.113 |
| 50 | 53 | 8.070 | 7.984 | -0.086 |
| 50 | 54 | 7.994 | 7.900 | -0.094 |
| 55 | 55 | 8.082 | 7.971 | -0.111 |
| 55 | 56 | 7.984 | 7.890 | -0.094 |
| 55 | 57 | 8.035 | 7.897 | -0.138 |
| 55 | 58 | 8.058 | 7.958 | -0.100 |
| 55 | 59 | 8.002 | 7.917 | -0.085 |
| 100 | 60 | 8.034 | 7.919 | -0.115 |
| 100 | 61 | 8.091 | 7.982 | -0.109 |
| 100 | 62 | 8.085 | 7.979 | -0.106 |
| 100 | 63 | 8.016 | 7.906 | -0.110 |
| 100 | 64 | 8.060 | 7.939 | -0.121 |
| 105 | 65 | 8.032 | 7.908 | -0.124 |
| 105 | 66 | 8.080 | 7.973 | -0.107 |
| 105 | 67 | 8.067 | 7.964 | -0.103 |
| 105 | 68 | 8.089 | 7.959 | -0.130 |
| 105 | 69 | 8.034 | 7.928 | -0.106 |
| | Max | 8.091 | 7.989 | -0.061 |
| | Average | 8.034 | 7.931 | -0.103 |
| | Min | 7.939 | 7.853 | -0.138 |
| | Std Dev | 0.036 | 0.038 | 0.018 |




| | 18.18_Res_PU_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 7.865 | 7.866 | 7.902 | 7.889 | 7.853 | 7.878 | 7.870 | 7.892 | 7.890 | 7.906 | 7.908 |
| Average | 7.904 | 7.928 | 7.935 | 7.923 | 7.911 | 7.932 | 7.949 | 7.936 | 7.927 | 7.945 | 7.946 |
| Max | 7.958 | 7.975 | 7.988 | 7.953 | 7.970 | 7.971 | 7.989 | 7.984 | 7.971 | 7.982 | 7.973 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

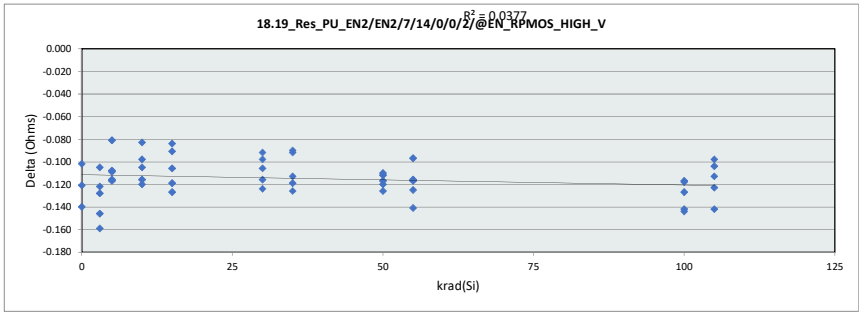


# TID HDR Report
# TPS7H3014-SP

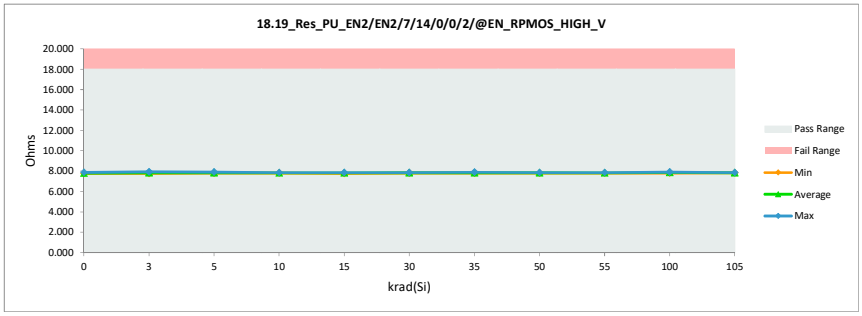
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.19_Res_PU_EN2/EN2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.901 | 7.761 | -0.140 |
| 0 | 14 | 7.970 | 7.868 | -0.102 |
| 0 | 15 | 7.895 | 7.774 | -0.121 |
| 3 | 20 | 8.044 | 7.922 | -0.122 |
| 3 | 21 | 7.915 | 7.756 | -0.159 |
| 3 | 22 | 7.969 | 7.823 | -0.146 |
| 3 | 23 | 7.975 | 7.847 | -0.128 |
| 3 | 24 | 7.943 | 7.838 | -0.105 |
| 5 | 25 | 7.941 | 7.824 | -0.117 |
| 5 | 26 | 7.984 | 7.903 | -0.081 |
| 5 | 27 | 7.897 | 7.781 | -0.116 |
| 5 | 28 | 7.919 | 7.811 | -0.108 |
| 5 | 29 | 7.969 | 7.860 | -0.109 |
| 10 | 30 | 7.969 | 7.853 | -0.116 |
| 10 | 31 | 7.912 | 7.807 | -0.105 |
| 10 | 32 | 7.949 | 7.829 | -0.120 |
| 10 | 33 | 7.924 | 7.826 | -0.098 |
| 10 | 34 | 7.887 | 7.804 | -0.083 |
| 15 | 35 | 7.967 | 7.848 | -0.119 |
| 15 | 36 | 7.925 | 7.798 | -0.127 |
| 15 | 37 | 7.961 | 7.855 | -0.106 |
| 15 | 38 | 7.851 | 7.760 | -0.091 |
| 15 | 39 | 7.927 | 7.843 | -0.084 |
| 30 | 40 | 7.900 | 7.794 | -0.106 |
| 30 | 41 | 7.960 | 7.836 | -0.124 |
| 30 | 42 | 7.933 | 7.835 | -0.098 |
| 30 | 43 | 7.913 | 7.821 | -0.092 |
| 30 | 44 | 7.974 | 7.858 | -0.116 |
| 35 | 45 | 7.950 | 7.831 | -0.119 |
| 35 | 46 | 7.988 | 7.875 | -0.113 |
| 35 | 47 | 7.905 | 7.779 | -0.126 |
| 35 | 48 | 7.934 | 7.842 | -0.092 |
| 35 | 49 | 7.971 | 7.881 | -0.090 |
| 50 | 50 | 7.985 | 7.859 | -0.126 |
| 50 | 51 | 7.951 | 7.839 | -0.112 |
| 50 | 52 | 7.970 | 7.853 | -0.117 |
| 50 | 53 | 7.939 | 7.829 | -0.110 |
| 50 | 54 | 7.911 | 7.791 | -0.120 |
| 55 | 55 | 7.967 | 7.850 | -0.117 |
| 55 | 56 | 7.918 | 7.793 | -0.125 |
| 55 | 57 | 7.921 | 7.780 | -0.141 |
| 55 | 58 | 7.959 | 7.843 | -0.116 |
| 55 | 59 | 7.898 | 7.801 | -0.097 |
| 100 | 60 | 7.925 | 7.807 | -0.118 |
| 100 | 61 | 8.018 | 7.901 | -0.117 |
| 100 | 62 | 8.024 | 7.880 | -0.144 |
| 100 | 63 | 7.925 | 7.798 | -0.127 |
| 100 | 64 | 7.977 | 7.835 | -0.142 |
| 105 | 65 | 7.932 | 7.828 | -0.104 |
| 105 | 66 | 7.949 | 7.826 | -0.123 |
| 105 | 67 | 7.939 | 7.826 | -0.113 |
| 105 | 68 | 7.964 | 7.822 | -0.142 |
| 105 | 69 | 7.957 | 7.859 | -0.098 |
| | Max | 8.044 | 7.922 | -0.081 |
| | Average | 7.944 | 7.829 | -0.115 |
| | Min | 7.851 | 7.756 | -0.159 |
| | Std Dev | 0.036 | 0.037 | 0.017 |




| | 18.19_Res_PU_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 7.761 | 7.756 | 7.781 | 7.804 | 7.760 | 7.794 | 7.779 | 7.791 | 7.780 | 7.798 | 7.822 |
| Average | 7.801 | 7.837 | 7.836 | 7.824 | 7.821 | 7.829 | 7.842 | 7.834 | 7.813 | 7.844 | 7.832 |
| Max | 7.868 | 7.922 | 7.903 | 7.853 | 7.855 | 7.858 | 7.881 | 7.859 | 7.850 | 7.901 | 7.859 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

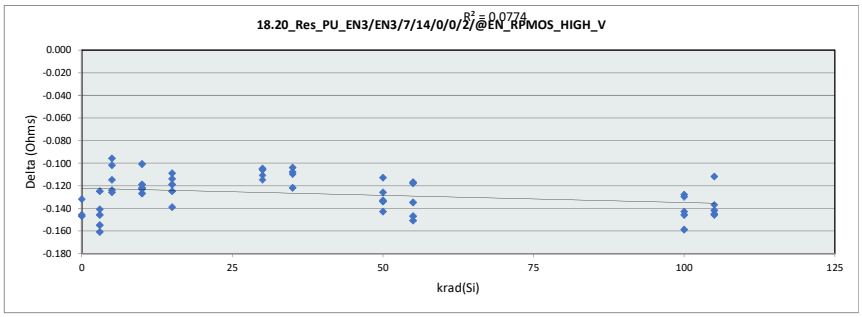


# TID HDR Report
# TPS7H3014-SP

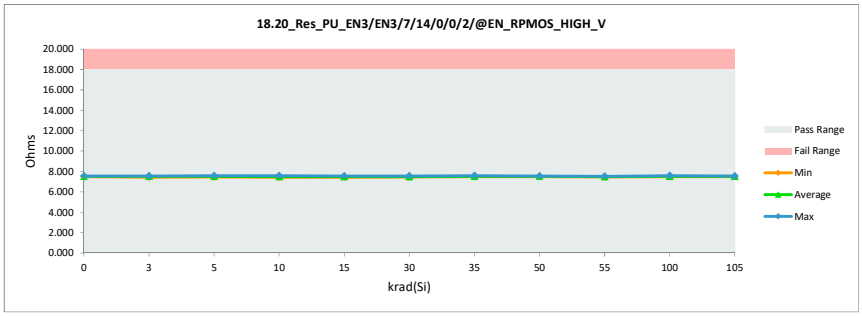
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.20_Res_PU_EN3/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.614 | 7.467 | -0.147 |
| 0 | 14 | 7.695 | 7.549 | -0.146 |
| 0 | 15 | 7.609 | 7.477 | -0.132 |
| 3 | 20 | 7.694 | 7.539 | -0.155 |
| 3 | 21 | 7.592 | 7.431 | -0.161 |
| 3 | 22 | 7.622 | 7.481 | -0.141 |
| 3 | 23 | 7.671 | 7.546 | -0.125 |
| 3 | 24 | 7.644 | 7.498 | -0.146 |
| 5 | 25 | 7.642 | 7.540 | -0.102 |
| 5 | 26 | 7.677 | 7.581 | -0.096 |
| 5 | 27 | 7.591 | 7.467 | -0.124 |
| 5 | 28 | 7.556 | 7.441 | -0.115 |
| 5 | 29 | 7.629 | 7.503 | -0.126 |
| 10 | 30 | 7.691 | 7.572 | -0.119 |
| 10 | 31 | 7.554 | 7.431 | -0.123 |
| 10 | 32 | 7.609 | 7.482 | -0.127 |
| 10 | 33 | 7.593 | 7.471 | -0.122 |
| 10 | 34 | 7.567 | 7.466 | -0.101 |
| 15 | 35 | 7.664 | 7.550 | -0.114 |
| 15 | 36 | 7.638 | 7.499 | -0.139 |
| 15 | 37 | 7.610 | 7.501 | -0.109 |
| 15 | 38 | 7.547 | 7.422 | -0.125 |
| 15 | 39 | 7.602 | 7.483 | -0.119 |
| 30 | 40 | 7.547 | 7.436 | -0.111 |
| 30 | 41 | 7.616 | 7.501 | -0.115 |
| 30 | 42 | 7.579 | 7.474 | -0.105 |
| 30 | 43 | 7.558 | 7.452 | -0.106 |
| 30 | 44 | 7.659 | 7.553 | -0.106 |
| 35 | 45 | 7.620 | 7.498 | -0.122 |
| 35 | 46 | 7.674 | 7.570 | -0.104 |
| 35 | 47 | 7.578 | 7.468 | -0.110 |
| 35 | 48 | 7.608 | 7.500 | -0.108 |
| 35 | 49 | 7.658 | 7.536 | -0.122 |
| 50 | 50 | 7.683 | 7.540 | -0.143 |
| 50 | 51 | 7.616 | 7.490 | -0.126 |
| 50 | 52 | 7.650 | 7.516 | -0.134 |
| 50 | 53 | 7.606 | 7.473 | -0.133 |
| 50 | 54 | 7.598 | 7.485 | -0.113 |
| 55 | 55 | 7.656 | 7.509 | -0.147 |
| 55 | 56 | 7.605 | 7.488 | -0.117 |
| 55 | 57 | 7.599 | 7.448 | -0.151 |
| 55 | 58 | 7.644 | 7.509 | -0.135 |
| 55 | 59 | 7.602 | 7.484 | -0.118 |
| 100 | 60 | 7.627 | 7.497 | -0.130 |
| 100 | 61 | 7.712 | 7.566 | -0.146 |
| 100 | 62 | 7.701 | 7.558 | -0.143 |
| 100 | 63 | 7.595 | 7.467 | -0.128 |
| 100 | 64 | 7.647 | 7.488 | -0.159 |
| 105 | 65 | 7.637 | 7.491 | -0.146 |
| 105 | 66 | 7.661 | 7.516 | -0.145 |
| 105 | 67 | 7.662 | 7.525 | -0.137 |
| 105 | 68 | 7.676 | 7.534 | -0.142 |
| 105 | 69 | 7.650 | 7.538 | -0.112 |
| | Max | 7.712 | 7.581 | -0.096 |
| | Average | 7.627 | 7.500 | -0.127 |
| | Min | 7.547 | 7.422 | -0.161 |
| | Std Dev | 0.042 | 0.040 | 0.016 |




| | 18.20_Res_PU_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 7.467 | 7.431 | 7.441 | 7.431 | 7.422 | 7.436 | 7.468 | 7.473 | 7.448 | 7.467 | 7.491 |
| Average | 7.498 | 7.499 | 7.506 | 7.484 | 7.491 | 7.483 | 7.514 | 7.501 | 7.488 | 7.515 | 7.521 |
| Max | 7.549 | 7.546 | 7.581 | 7.572 | 7.550 | 7.553 | 7.570 | 7.540 | 7.509 | 7.566 | 7.538 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

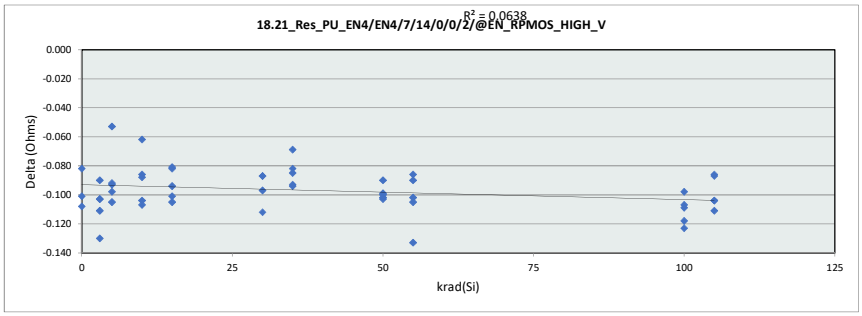


# TID HDR Report
# TPS7H3014-SP

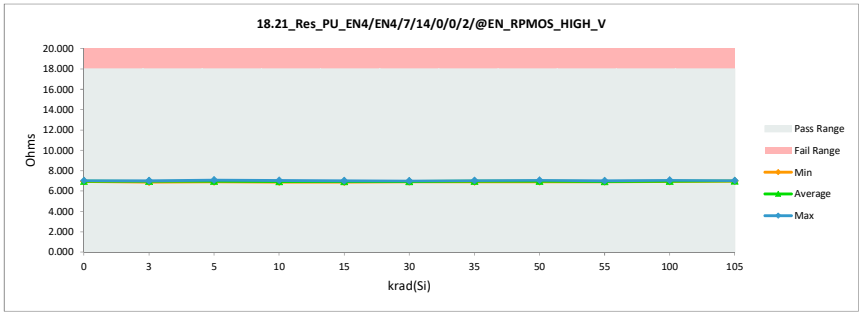
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.21_Res_PU_EN4/EN4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 7.051 | 6.943 | -0.108 |
| 0 | 14 | 7.096 | 7.014 | -0.082 |
| 0 | 15 | 7.049 | 6.948 | -0.101 |
| 3 | 20 | 7.103 | 7.000 | -0.103 |
| 3 | 21 | 7.007 | 6.877 | -0.130 |
| 3 | 22 | 7.041 | 6.930 | -0.111 |
| 3 | 23 | 7.107 | 7.004 | -0.103 |
| 3 | 24 | 7.033 | 6.943 | -0.090 |
| 5 | 25 | 7.091 | 6.986 | -0.105 |
| 5 | 26 | 7.120 | 7.067 | -0.053 |
| 5 | 27 | 6.991 | 6.898 | -0.093 |
| 5 | 28 | 6.992 | 6.900 | -0.092 |
| 5 | 29 | 7.092 | 6.994 | -0.098 |
| 10 | 30 | 7.125 | 7.037 | -0.088 |
| 10 | 31 | 6.979 | 6.875 | -0.104 |
| 10 | 32 | 7.005 | 6.898 | -0.107 |
| 10 | 33 | 7.025 | 6.939 | -0.086 |
| 10 | 34 | 6.964 | 6.902 | -0.062 |
| 15 | 35 | 7.099 | 6.998 | -0.101 |
| 15 | 36 | 7.051 | 6.970 | -0.081 |
| 15 | 37 | 7.059 | 6.965 | -0.094 |
| 15 | 38 | 6.976 | 6.871 | -0.105 |
| 15 | 39 | 7.012 | 6.930 | -0.082 |
| 30 | 40 | 6.994 | 6.907 | -0.087 |
| 30 | 41 | 7.063 | 6.976 | -0.087 |
| 30 | 42 | 7.044 | 6.947 | -0.097 |
| 30 | 43 | 6.999 | 6.902 | -0.097 |
| 30 | 44 | 7.105 | 6.993 | -0.112 |
| 35 | 45 | 7.057 | 6.964 | -0.093 |
| 35 | 46 | 7.102 | 7.017 | -0.085 |
| 35 | 47 | 6.991 | 6.897 | -0.094 |
| 35 | 48 | 7.029 | 6.960 | -0.069 |
| 35 | 49 | 7.079 | 6.997 | -0.082 |
| 50 | 50 | 7.164 | 7.062 | -0.102 |
| 50 | 51 | 7.045 | 6.955 | -0.090 |
| 50 | 52 | 7.092 | 6.992 | -0.100 |
| 50 | 53 | 7.014 | 6.911 | -0.103 |
| 50 | 54 | 7.052 | 6.953 | -0.099 |
| 55 | 55 | 7.083 | 6.981 | -0.102 |
| 55 | 56 | 7.036 | 6.931 | -0.105 |
| 55 | 57 | 7.019 | 6.886 | -0.133 |
| 55 | 58 | 7.086 | 7.000 | -0.086 |
| 55 | 59 | 6.994 | 6.904 | -0.090 |
| 100 | 60 | 7.059 | 6.952 | -0.107 |
| 100 | 61 | 7.172 | 7.049 | -0.123 |
| 100 | 62 | 7.114 | 7.016 | -0.098 |
| 100 | 63 | 7.037 | 6.928 | -0.109 |
| 100 | 64 | 7.066 | 6.948 | -0.118 |
| 105 | 65 | 7.069 | 6.965 | -0.104 |
| 105 | 66 | 7.061 | 6.974 | -0.087 |
| 105 | 67 | 7.107 | 7.003 | -0.104 |
| 105 | 68 | 7.085 | 6.974 | -0.111 |
| 105 | 69 | 7.112 | 7.026 | -0.086 |
| | Max | 7.172 | 7.067 | -0.053 |
| | Average | 7.057 | 6.960 | -0.097 |
| | Min | 6.964 | 6.871 | -0.133 |
| | Std Dev | 0.048 | 0.050 | 0.015 |




| | 18.21_Res_PU_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 6.943 | 6.877 | 6.898 | 6.875 | 6.871 | 6.902 | 6.897 | 6.911 | 6.886 | 6.928 | 6.965 |
| Average | 6.968 | 6.951 | 6.969 | 6.930 | 6.947 | 6.945 | 6.967 | 6.975 | 6.940 | 6.979 | 6.988 |
| Max | 7.014 | 7.004 | 7.067 | 7.037 | 6.998 | 6.993 | 7.017 | 7.062 | 7.000 | 7.049 | 7.026 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

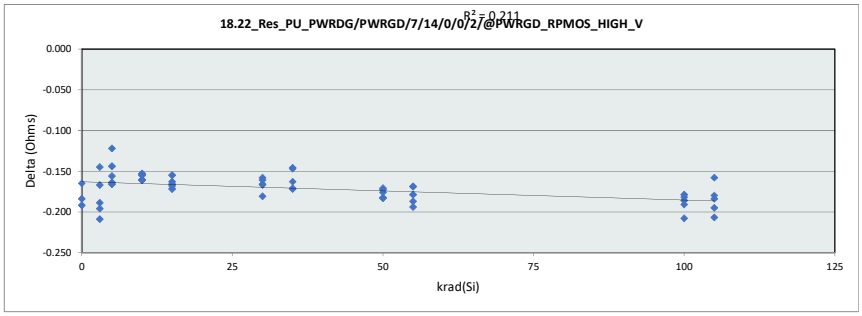


# TID HDR Report
# TPS7H3014-SP

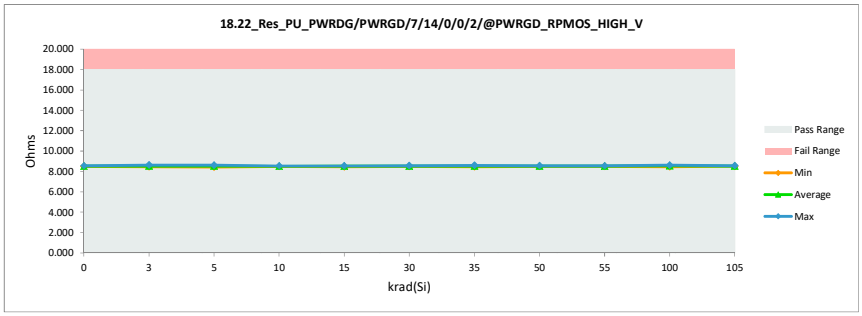
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.22_Res_PU_PWRDG/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 8.675 | 8.491 | -0.184 |
| 0 | 14 | 8.739 | 8.547 | -0.192 |
| 0 | 15 | 8.657 | 8.492 | -0.165 |
| 3 | 20 | 8.815 | 8.626 | -0.189 |
| 3 | 21 | 8.669 | 8.460 | -0.209 |
| 3 | 22 | 8.678 | 8.482 | -0.196 |
| 3 | 23 | 8.712 | 8.545 | -0.167 |
| 3 | 24 | 8.707 | 8.562 | -0.145 |
| 5 | 25 | 8.727 | 8.583 | -0.144 |
| 5 | 26 | 8.727 | 8.605 | -0.122 |
| 5 | 27 | 8.683 | 8.519 | -0.164 |
| 5 | 28 | 8.604 | 8.438 | -0.166 |
| 5 | 29 | 8.677 | 8.521 | -0.156 |
| 10 | 30 | 8.696 | 8.541 | -0.155 |
| 10 | 31 | 8.652 | 8.498 | -0.154 |
| 10 | 32 | 8.673 | 8.512 | -0.161 |
| 10 | 33 | 8.664 | 8.503 | -0.161 |
| 10 | 34 | 8.641 | 8.488 | -0.153 |
| 15 | 35 | 8.701 | 8.535 | -0.166 |
| 15 | 36 | 8.674 | 8.506 | -0.168 |
| 15 | 37 | 8.696 | 8.541 | -0.155 |
| 15 | 38 | 8.614 | 8.451 | -0.163 |
| 15 | 39 | 8.695 | 8.523 | -0.172 |
| 30 | 40 | 8.650 | 8.484 | -0.166 |
| 30 | 41 | 8.735 | 8.554 | -0.181 |
| 30 | 42 | 8.695 | 8.534 | -0.161 |
| 30 | 43 | 8.670 | 8.512 | -0.158 |
| 30 | 44 | 8.670 | 8.503 | -0.167 |
| 35 | 45 | 8.702 | 8.539 | -0.163 |
| 35 | 46 | 8.736 | 8.590 | -0.146 |
| 35 | 47 | 8.643 | 8.471 | -0.172 |
| 35 | 48 | 8.638 | 8.491 | -0.147 |
| 35 | 49 | 8.760 | 8.589 | -0.171 |
| 50 | 50 | 8.736 | 8.560 | -0.176 |
| 50 | 51 | 8.659 | 8.486 | -0.173 |
| 50 | 52 | 8.738 | 8.555 | -0.183 |
| 50 | 53 | 8.693 | 8.510 | -0.183 |
| 50 | 54 | 8.711 | 8.540 | -0.171 |
| 55 | 55 | 8.720 | 8.541 | -0.179 |
| 55 | 56 | 8.703 | 8.509 | -0.194 |
| 55 | 57 | 8.687 | 8.500 | -0.187 |
| 55 | 58 | 8.713 | 8.544 | -0.169 |
| 55 | 59 | 8.675 | 8.506 | -0.169 |
| 100 | 60 | 8.686 | 8.500 | -0.186 |
| 100 | 61 | 8.778 | 8.596 | -0.182 |
| 100 | 62 | 8.794 | 8.615 | -0.179 |
| 100 | 63 | 8.660 | 8.469 | -0.191 |
| 100 | 64 | 8.751 | 8.543 | -0.208 |
| 105 | 65 | 8.682 | 8.502 | -0.180 |
| 105 | 66 | 8.718 | 8.534 | -0.184 |
| 105 | 67 | 8.732 | 8.537 | -0.195 |
| 105 | 68 | 8.724 | 8.517 | -0.207 |
| 105 | 69 | 8.728 | 8.570 | -0.158 |
| | Max | 8.815 | 8.626 | -0.122 |
| | Average | 8.697 | 8.526 | -0.172 |
| | Min | 8.604 | 8.438 | -0.209 |
| | Std Dev | 0.042 | 0.041 | 0.017 |




| | 18.22_Res_PU_PWRDG/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 8.491 | 8.460 | 8.438 | 8.488 | 8.451 | 8.484 | 8.471 | 8.486 | 8.500 | 8.469 | 8.502 |
| Average | 8.510 | 8.535 | 8.533 | 8.508 | 8.511 | 8.517 | 8.536 | 8.530 | 8.520 | 8.545 | 8.532 |
| Max | 8.547 | 8.626 | 8.605 | 8.541 | 8.541 | 8.554 | 8.590 | 8.560 | 8.544 | 8.615 | 8.570 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

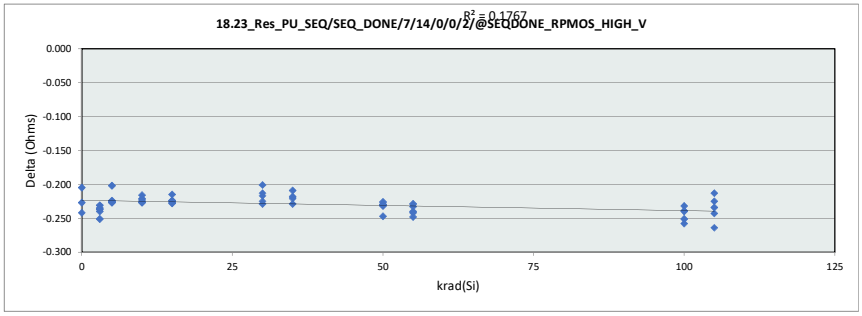


# TID HDR Report
# TPS7H3014-SP

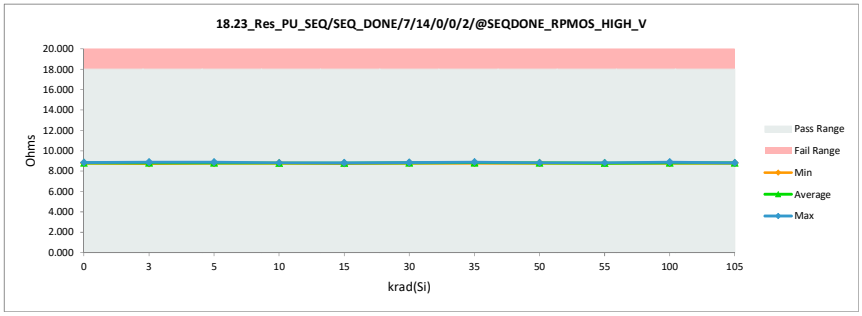
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.23_Res_PU_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 20 | 18 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 8.985 | 8.780 | -0.205 |
| 0 | 14 | 9.080 | 8.838 | -0.242 |
| 0 | 15 | 9.002 | 8.775 | -0.227 |
| 3 | 20 | 9.113 | 8.873 | -0.240 |
| 3 | 21 | 8.983 | 8.746 | -0.237 |
| 3 | 22 | 8.995 | 8.744 | -0.251 |
| 3 | 23 | 9.017 | 8.786 | -0.231 |
| 3 | 24 | 9.067 | 8.832 | -0.235 |
| 5 | 25 | 9.049 | 8.824 | -0.225 |
| 5 | 26 | 9.071 | 8.869 | -0.202 |
| 5 | 27 | 9.011 | 8.787 | -0.224 |
| 5 | 28 | 8.980 | 8.753 | -0.227 |
| 5 | 29 | 9.037 | 8.811 | -0.226 |
| 10 | 30 | 9.045 | 8.822 | -0.223 |
| 10 | 31 | 8.988 | 8.767 | -0.221 |
| 10 | 32 | 9.038 | 8.811 | -0.227 |
| 10 | 33 | 9.004 | 8.778 | -0.226 |
| 10 | 34 | 8.992 | 8.776 | -0.216 |
| 15 | 35 | 9.029 | 8.803 | -0.226 |
| 15 | 36 | 9.011 | 8.787 | -0.224 |
| 15 | 37 | 9.026 | 8.811 | -0.215 |
| 15 | 38 | 8.970 | 8.746 | -0.224 |
| 15 | 39 | 9.033 | 8.805 | -0.228 |
| 30 | 40 | 8.984 | 8.783 | -0.201 |
| 30 | 41 | 9.070 | 8.841 | -0.229 |
| 30 | 42 | 9.023 | 8.810 | -0.213 |
| 30 | 43 | 9.035 | 8.810 | -0.225 |
| 30 | 44 | 9.026 | 8.809 | -0.217 |
| 35 | 45 | 9.015 | 8.796 | -0.219 |
| 35 | 46 | 9.075 | 8.854 | -0.221 |
| 35 | 47 | 8.996 | 8.767 | -0.229 |
| 35 | 48 | 9.020 | 8.802 | -0.218 |
| 35 | 49 | 9.087 | 8.878 | -0.209 |
| 50 | 50 | 9.067 | 8.820 | -0.247 |
| 50 | 51 | 8.997 | 8.765 | -0.232 |
| 50 | 52 | 9.053 | 8.823 | -0.230 |
| 50 | 53 | 9.045 | 8.815 | -0.230 |
| 50 | 54 | 9.044 | 8.818 | -0.226 |
| 55 | 55 | 9.048 | 8.815 | -0.233 |
| 55 | 56 | 9.007 | 8.765 | -0.242 |
| 55 | 57 | 9.023 | 8.775 | -0.248 |
| 55 | 58 | 9.055 | 8.815 | -0.240 |
| 55 | 59 | 8.985 | 8.756 | -0.229 |
| 100 | 60 | 9.016 | 8.776 | -0.240 |
| 100 | 61 | 9.077 | 8.838 | -0.239 |
| 100 | 62 | 9.127 | 8.869 | -0.258 |
| 100 | 63 | 8.982 | 8.750 | -0.232 |
| 100 | 64 | 9.064 | 8.813 | -0.251 |
| 105 | 65 | 9.022 | 8.779 | -0.243 |
| 105 | 66 | 9.018 | 8.805 | -0.213 |
| 105 | 67 | 9.034 | 8.809 | -0.225 |
| 105 | 68 | 9.069 | 8.805 | -0.264 |
| 105 | 69 | 9.027 | 8.793 | -0.234 |
| | Max | 9.127 | 8.878 | -0.201 |
| | Average | 9.031 | 8.801 | -0.229 |
| | Min | 8.970 | 8.744 | -0.264 |
| | Std Dev | 0.035 | 0.033 | 0.013 |




| | 18.23_Res_PU_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 18 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 8.775 | 8.744 | 8.753 | 8.767 | 8.746 | 8.783 | 8.767 | 8.765 | 8.756 | 8.750 | 8.779 |
| Average | 8.798 | 8.796 | 8.809 | 8.791 | 8.790 | 8.811 | 8.819 | 8.808 | 8.785 | 8.809 | 8.798 |
| Max | 8.838 | 8.873 | 8.869 | 8.822 | 8.811 | 8.841 | 8.878 | 8.823 | 8.815 | 8.869 | 8.809 |
| UL | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 | 18.000 |

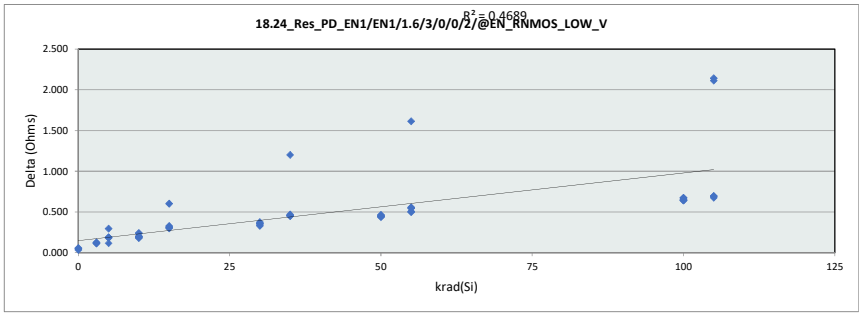


# TID HDR Report
# TPS7H3014-SP

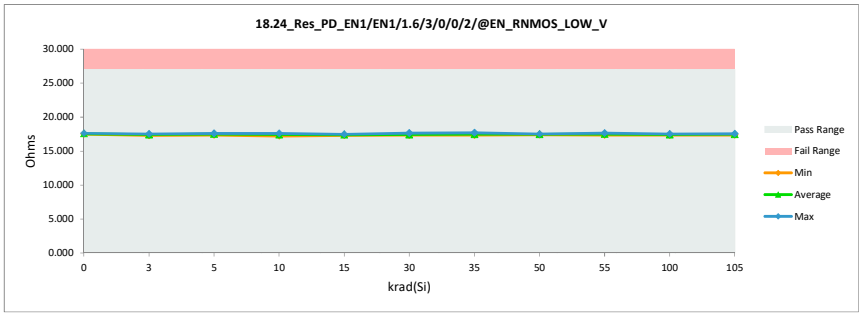
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.24_Res_PD_EN1/EN1/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 17.580 | 17.611 | 0.031 |
| 0 | 14 | 17.459 | 17.507 | 0.048 |
| 0 | 15 | 17.496 | 17.551 | 0.055 |
| 3 | 20 | 17.180 | 17.292 | 0.112 |
| 3 | 21 | 17.347 | 17.457 | 0.110 |
| 3 | 22 | 17.366 | 17.488 | 0.122 |
| 3 | 23 | 17.402 | 17.520 | 0.118 |
| 3 | 24 | 17.254 | 17.379 | 0.125 |
| 5 | 25 | 17.377 | 17.491 | 0.114 |
| 5 | 26 | 17.399 | 17.578 | 0.179 |
| 5 | 27 | 17.078 | 17.371 | 0.293 |
| 5 | 28 | 17.301 | 17.488 | 0.187 |
| 5 | 29 | 17.333 | 17.518 | 0.185 |
| 10 | 30 | 17.404 | 17.595 | 0.191 |
| 10 | 31 | 17.153 | 17.352 | 0.199 |
| 10 | 32 | 17.031 | 17.220 | 0.189 |
| 10 | 33 | 17.417 | 17.594 | 0.177 |
| 10 | 34 | 17.126 | 17.365 | 0.239 |
| 15 | 35 | 17.173 | 17.469 | 0.296 |
| 15 | 36 | 16.822 | 17.421 | 0.599 |
| 15 | 37 | 17.026 | 17.349 | 0.323 |
| 15 | 38 | 17.018 | 17.326 | 0.308 |
| 15 | 39 | 17.117 | 17.426 | 0.309 |
| 30 | 40 | 16.995 | 17.355 | 0.360 |
| 30 | 41 | 17.026 | 17.399 | 0.373 |
| 30 | 42 | 17.025 | 17.375 | 0.350 |
| 30 | 43 | 16.985 | 17.338 | 0.353 |
| 30 | 44 | 17.297 | 17.625 | 0.328 |
| 35 | 45 | 17.101 | 17.569 | 0.468 |
| 35 | 46 | 16.251 | 17.450 | 1.199 |
| 35 | 47 | 16.897 | 17.348 | 0.451 |
| 35 | 48 | 17.220 | 17.674 | 0.454 |
| 35 | 49 | 16.883 | 17.333 | 0.450 |
| 50 | 50 | 16.988 | 17.430 | 0.442 |
| 50 | 51 | 17.048 | 17.493 | 0.445 |
| 50 | 52 | 17.036 | 17.469 | 0.433 |
| 50 | 53 | 17.068 | 17.522 | 0.454 |
| 50 | 54 | 16.933 | 17.396 | 0.463 |
| 55 | 55 | 16.958 | 17.454 | 0.496 |
| 55 | 56 | 15.963 | 17.574 | 1.611 |
| 55 | 57 | 16.833 | 17.336 | 0.503 |
| 55 | 58 | 17.076 | 17.630 | 0.554 |
| 55 | 59 | 16.895 | 17.440 | 0.545 |
| 100 | 60 | 16.842 | 17.511 | 0.669 |
| 100 | 61 | 16.730 | 17.402 | 0.672 |
| 100 | 62 | 16.693 | 17.332 | 0.639 |
| 100 | 63 | 16.685 | 17.332 | 0.647 |
| 100 | 64 | 16.837 | 17.479 | 0.642 |
| 105 | 65 | 16.695 | 17.367 | 0.672 |
| 105 | 66 | 16.742 | 17.434 | 0.692 |
| 105 | 67 | 15.332 | 17.473 | 2.141 |
| 105 | 68 | 15.416 | 17.526 | 2.110 |
| 105 | 69 | 16.843 | 17.537 | 0.694 |
| | Max | 17.580 | 17.674 | 2.141 |
| | Average | 16.984 | 17.452 | 0.468 |
| | Min | 15.332 | 17.220 | 0.031 |
| | Std Dev | 0.437 | 0.100 | 0.434 |




| | 18.24_Res_PD_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 17.507 | 17.292 | 17.371 | 17.220 | 17.326 | 17.338 | 17.333 | 17.396 | 17.336 | 17.332 | 17.367 |
| Average | 17.556 | 17.427 | 17.489 | 17.425 | 17.398 | 17.418 | 17.475 | 17.462 | 17.487 | 17.411 | 17.467 |
| Max | 17.611 | 17.520 | 17.578 | 17.595 | 17.469 | 17.625 | 17.674 | 17.522 | 17.630 | 17.511 | 17.537 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

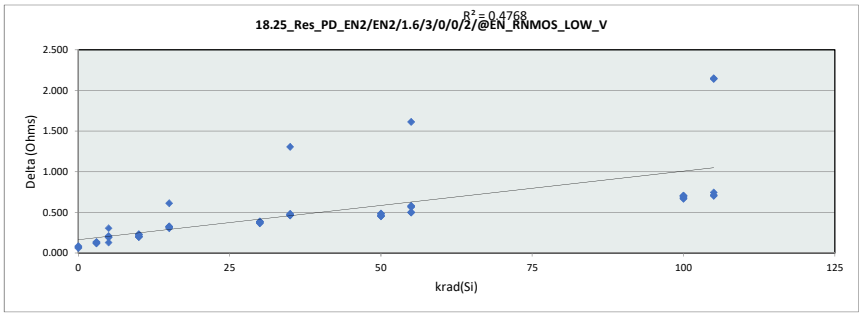


# TID HDR Report
# TPS7H3014-SP

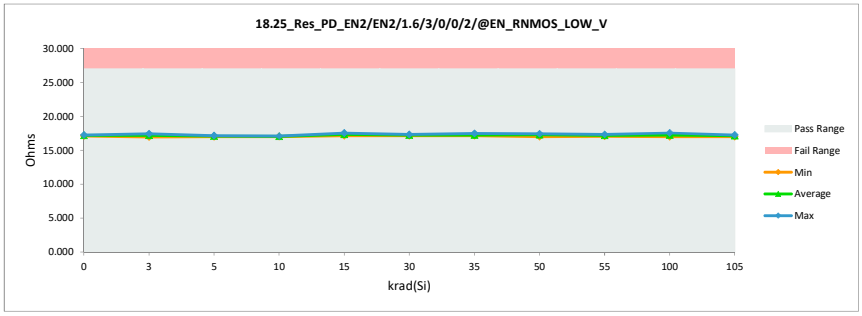
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.25_Res_PD_EN2/EN2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 17.145 | 17.206 | 0.061 |
| 0 | 14 | 17.178 | 17.250 | 0.072 |
| 0 | 15 | 17.043 | 17.125 | 0.082 |
| 3 | 20 | 17.312 | 17.427 | 0.115 |
| 3 | 21 | 17.034 | 17.159 | 0.125 |
| 3 | 22 | 16.859 | 16.978 | 0.119 |
| 3 | 23 | 16.983 | 17.118 | 0.135 |
| 3 | 24 | 17.285 | 17.408 | 0.123 |
| 5 | 25 | 16.941 | 17.069 | 0.128 |
| 5 | 26 | 16.915 | 17.109 | 0.194 |
| 5 | 27 | 16.815 | 17.118 | 0.303 |
| 5 | 28 | 16.788 | 16.995 | 0.207 |
| 5 | 29 | 16.963 | 17.154 | 0.191 |
| 10 | 30 | 16.869 | 17.099 | 0.230 |
| 10 | 31 | 16.886 | 17.084 | 0.198 |
| 10 | 32 | 16.831 | 17.028 | 0.197 |
| 10 | 33 | 16.860 | 17.064 | 0.204 |
| 10 | 34 | 16.796 | 17.020 | 0.224 |
| 15 | 35 | 17.125 | 17.429 | 0.304 |
| 15 | 36 | 16.760 | 17.371 | 0.611 |
| 15 | 37 | 17.220 | 17.537 | 0.317 |
| 15 | 38 | 16.944 | 17.271 | 0.327 |
| 15 | 39 | 16.816 | 17.135 | 0.319 |
| 30 | 40 | 16.757 | 17.136 | 0.379 |
| 30 | 41 | 16.952 | 17.338 | 0.386 |
| 30 | 42 | 16.748 | 17.134 | 0.386 |
| 30 | 43 | 16.880 | 17.252 | 0.372 |
| 30 | 44 | 16.916 | 17.280 | 0.364 |
| 35 | 45 | 16.727 | 17.198 | 0.471 |
| 35 | 46 | 15.962 | 17.267 | 1.305 |
| 35 | 47 | 16.722 | 17.185 | 0.463 |
| 35 | 48 | 16.693 | 17.154 | 0.461 |
| 35 | 49 | 17.014 | 17.493 | 0.479 |
| 50 | 50 | 16.895 | 17.349 | 0.454 |
| 50 | 51 | 16.533 | 16.982 | 0.449 |
| 50 | 52 | 16.968 | 17.427 | 0.459 |
| 50 | 53 | 16.853 | 17.333 | 0.480 |
| 50 | 54 | 16.937 | 17.422 | 0.485 |
| 55 | 55 | 16.826 | 17.326 | 0.500 |
| 55 | 56 | 15.558 | 17.169 | 1.611 |
| 55 | 57 | 16.571 | 17.067 | 0.496 |
| 55 | 58 | 16.650 | 17.215 | 0.565 |
| 55 | 59 | 16.574 | 17.151 | 0.577 |
| 100 | 60 | 16.356 | 17.059 | 0.703 |
| 100 | 61 | 16.548 | 17.248 | 0.700 |
| 100 | 62 | 16.787 | 17.452 | 0.665 |
| 100 | 63 | 16.286 | 16.983 | 0.697 |
| 100 | 64 | 16.877 | 17.553 | 0.676 |
| 105 | 65 | 16.257 | 17.000 | 0.743 |
| 105 | 66 | 16.548 | 17.258 | 0.710 |
| 105 | 67 | 14.946 | 17.086 | 2.140 |
| 105 | 68 | 15.104 | 17.252 | 2.148 |
| 105 | 69 | 16.461 | 17.161 | 0.700 |
| | Max | 17.312 | 17.553 | 2.148 |
| | Average | 16.722 | 17.209 | 0.487 |
| | Min | 14.946 | 16.978 | 0.061 |
| | Std Dev | 0.458 | 0.153 | 0.438 |




| | 18.25_Res_PD_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 17.125 | 16.978 | 16.995 | 17.020 | 17.135 | 17.134 | 17.154 | 16.982 | 17.067 | 16.983 | 17.000 |
| Average | 17.194 | 17.218 | 17.089 | 17.059 | 17.349 | 17.228 | 17.259 | 17.303 | 17.186 | 17.259 | 17.151 |
| Max | 17.250 | 17.427 | 17.154 | 17.099 | 17.537 | 17.338 | 17.493 | 17.427 | 17.326 | 17.553 | 17.258 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

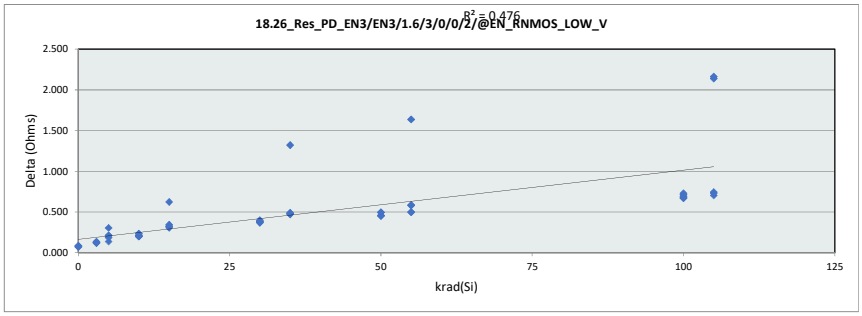


# TID HDR Report
# TPS7H3014-SP

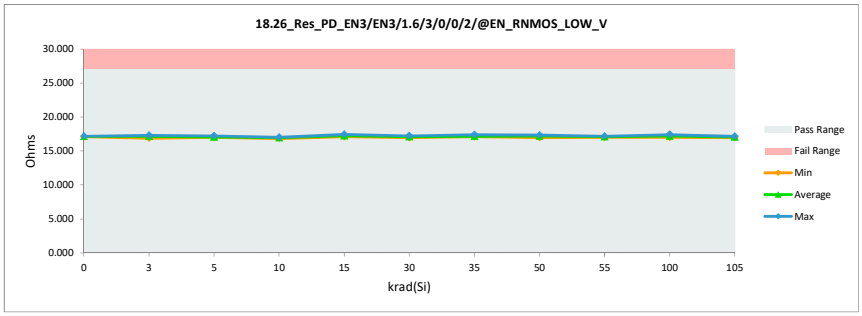
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.26_Res_PD_EN3/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 17.024 | 17.091 | 0.067 |
| 0 | 14 | 17.088 | 17.169 | 0.081 |
| 0 | 15 | 17.108 | 17.186 | 0.078 |
| 3 | 20 | 17.166 | 17.278 | 0.112 |
| 3 | 21 | 16.951 | 17.073 | 0.122 |
| 3 | 22 | 16.777 | 16.902 | 0.125 |
| 3 | 23 | 17.009 | 17.143 | 0.134 |
| 3 | 24 | 17.196 | 17.320 | 0.124 |
| 5 | 25 | 16.925 | 17.058 | 0.133 |
| 5 | 26 | 16.812 | 16.994 | 0.182 |
| 5 | 27 | 16.680 | 16.981 | 0.301 |
| 5 | 28 | 16.779 | 16.988 | 0.209 |
| 5 | 29 | 17.027 | 17.234 | 0.207 |
| 10 | 30 | 16.803 | 17.007 | 0.204 |
| 10 | 31 | 16.837 | 17.034 | 0.197 |
| 10 | 32 | 16.652 | 16.848 | 0.196 |
| 10 | 33 | 16.822 | 17.026 | 0.204 |
| 10 | 34 | 16.625 | 16.855 | 0.230 |
| 15 | 35 | 16.999 | 17.301 | 0.302 |
| 15 | 36 | 16.620 | 17.239 | 0.619 |
| 15 | 37 | 17.111 | 17.451 | 0.340 |
| 15 | 38 | 16.764 | 17.085 | 0.321 |
| 15 | 39 | 16.764 | 17.081 | 0.317 |
| 30 | 40 | 16.704 | 17.083 | 0.379 |
| 30 | 41 | 16.848 | 17.243 | 0.395 |
| 30 | 42 | 16.595 | 16.960 | 0.365 |
| 30 | 43 | 16.706 | 17.078 | 0.372 |
| 30 | 44 | 16.864 | 17.234 | 0.370 |
| 35 | 45 | 16.634 | 17.115 | 0.481 |
| 35 | 46 | 15.840 | 17.158 | 1.318 |
| 35 | 47 | 16.612 | 17.079 | 0.467 |
| 35 | 48 | 16.626 | 17.100 | 0.474 |
| 35 | 49 | 16.918 | 17.404 | 0.486 |
| 50 | 50 | 16.757 | 17.214 | 0.457 |
| 50 | 51 | 16.510 | 16.961 | 0.451 |
| 50 | 52 | 16.859 | 17.309 | 0.450 |
| 50 | 53 | 16.760 | 17.252 | 0.492 |
| 50 | 54 | 16.876 | 17.366 | 0.490 |
| 55 | 55 | 16.701 | 17.197 | 0.496 |
| 55 | 56 | 15.485 | 17.118 | 1.633 |
| 55 | 57 | 16.515 | 17.009 | 0.494 |
| 55 | 58 | 16.547 | 17.126 | 0.579 |
| 55 | 59 | 16.474 | 17.054 | 0.580 |
| 100 | 60 | 16.275 | 17.001 | 0.726 |
| 100 | 61 | 16.445 | 17.154 | 0.709 |
| 100 | 62 | 16.622 | 17.289 | 0.667 |
| 100 | 63 | 16.372 | 17.058 | 0.686 |
| 100 | 64 | 16.752 | 17.421 | 0.669 |
| 105 | 65 | 16.245 | 16.974 | 0.729 |
| 105 | 66 | 16.464 | 17.163 | 0.699 |
| 105 | 67 | 14.925 | 17.084 | 2.159 |
| 105 | 68 | 14.892 | 17.029 | 2.137 |
| 105 | 69 | 16.308 | 17.051 | 0.743 |
| | Max | 17.196 | 17.451 | 2.159 |
| | Average | 16.635 | 17.125 | 0.490 |
| | Min | 14.892 | 16.848 | 0.067 |
| | Std Dev | 0.462 | 0.139 | 0.440 |




| | 18.26_Res_PD_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 17.091 | 16.902 | 16.981 | 16.848 | 17.081 | 16.960 | 17.079 | 16.961 | 17.009 | 17.001 | 16.974 |
| Average | 17.149 | 17.143 | 17.051 | 16.954 | 17.231 | 17.120 | 17.171 | 17.220 | 17.101 | 17.185 | 17.060 |
| Max | 17.186 | 17.320 | 17.234 | 17.034 | 17.451 | 17.243 | 17.404 | 17.366 | 17.197 | 17.421 | 17.163 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

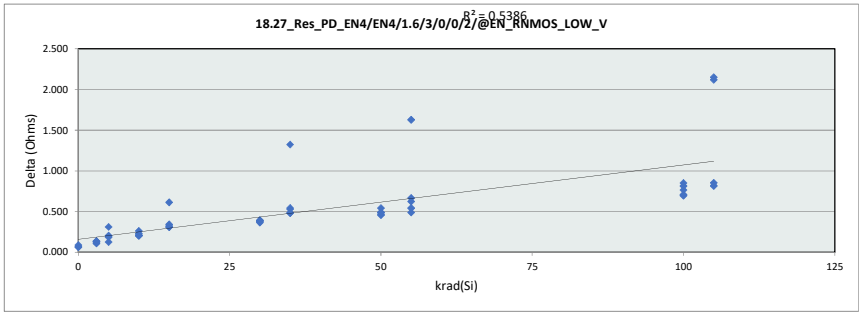


# TID HDR Report
# TPS7H3014-SP

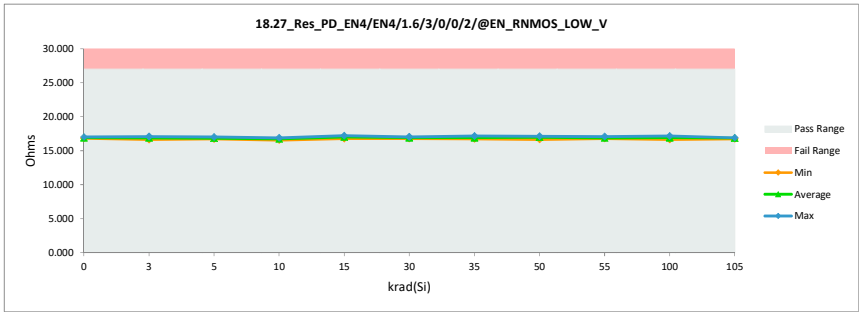
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.27_Res_PD_EN4/EN4/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.754 | 16.843 | 0.089 |
| 0 | 14 | 16.942 | 17.004 | 0.062 |
| 0 | 15 | 16.862 | 16.930 | 0.068 |
| 3 | 20 | 16.970 | 17.085 | 0.115 |
| 3 | 21 | 16.696 | 16.802 | 0.106 |
| 3 | 22 | 16.476 | 16.611 | 0.135 |
| 3 | 23 | 16.771 | 16.900 | 0.129 |
| 3 | 24 | 16.941 | 17.079 | 0.138 |
| 5 | 25 | 16.775 | 16.899 | 0.124 |
| 5 | 26 | 16.675 | 16.859 | 0.184 |
| 5 | 27 | 16.400 | 16.711 | 0.311 |
| 5 | 28 | 16.544 | 16.743 | 0.199 |
| 5 | 29 | 16.814 | 17.019 | 0.205 |
| 10 | 30 | 16.590 | 16.798 | 0.208 |
| 10 | 31 | 16.689 | 16.893 | 0.204 |
| 10 | 32 | 16.328 | 16.558 | 0.230 |
| 10 | 33 | 16.591 | 16.796 | 0.205 |
| 10 | 34 | 16.361 | 16.623 | 0.262 |
| 15 | 35 | 16.710 | 17.030 | 0.320 |
| 15 | 36 | 16.592 | 17.205 | 0.613 |
| 15 | 37 | 16.873 | 17.215 | 0.342 |
| 15 | 38 | 16.551 | 16.860 | 0.309 |
| 15 | 39 | 16.461 | 16.770 | 0.309 |
| 30 | 40 | 16.408 | 16.801 | 0.393 |
| 30 | 41 | 16.593 | 16.981 | 0.388 |
| 30 | 42 | 16.484 | 16.866 | 0.382 |
| 30 | 43 | 16.504 | 16.876 | 0.372 |
| 30 | 44 | 16.670 | 17.034 | 0.364 |
| 35 | 45 | 16.203 | 16.747 | 0.544 |
| 35 | 46 | 15.685 | 17.007 | 1.322 |
| 35 | 47 | 16.263 | 16.792 | 0.529 |
| 35 | 48 | 16.388 | 16.871 | 0.483 |
| 35 | 49 | 16.691 | 17.171 | 0.480 |
| 50 | 50 | 16.555 | 17.011 | 0.456 |
| 50 | 51 | 16.115 | 16.656 | 0.541 |
| 50 | 52 | 16.667 | 17.135 | 0.468 |
| 50 | 53 | 16.494 | 16.981 | 0.487 |
| 50 | 54 | 16.613 | 17.103 | 0.490 |
| 55 | 55 | 16.586 | 17.075 | 0.489 |
| 55 | 56 | 15.227 | 16.854 | 1.627 |
| 55 | 57 | 16.262 | 16.804 | 0.542 |
| 55 | 58 | 16.327 | 16.950 | 0.623 |
| 55 | 59 | 16.116 | 16.783 | 0.667 |
| 100 | 60 | 15.906 | 16.757 | 0.851 |
| 100 | 61 | 16.227 | 16.992 | 0.765 |
| 100 | 62 | 16.347 | 17.055 | 0.708 |
| 100 | 63 | 15.834 | 16.647 | 0.813 |
| 100 | 64 | 16.468 | 17.164 | 0.696 |
| 105 | 65 | 15.885 | 16.737 | 0.852 |
| 105 | 66 | 16.106 | 16.925 | 0.819 |
| 105 | 67 | 14.733 | 16.884 | 2.151 |
| 105 | 68 | 14.709 | 16.827 | 2.118 |
| 105 | 69 | 16.116 | 16.927 | 0.811 |
| | Max | 16.970 | 17.215 | 2.151 |
| | Average | 16.388 | 16.899 | 0.511 |
| | Min | 14.709 | 16.558 | 0.062 |
| | Std Dev | 0.473 | 0.158 | 0.446 |




| | 18.27_Res_PD_EN4/EN4 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.843 | 16.611 | 16.711 | 16.558 | 16.770 | 16.801 | 16.747 | 16.656 | 16.783 | 16.647 | 16.737 |
| Average | 16.926 | 16.895 | 16.846 | 16.734 | 17.016 | 16.912 | 16.918 | 16.977 | 16.893 | 16.923 | 16.860 |
| Max | 17.004 | 17.085 | 17.019 | 16.893 | 17.215 | 17.034 | 17.171 | 17.135 | 17.075 | 17.164 | 16.927 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

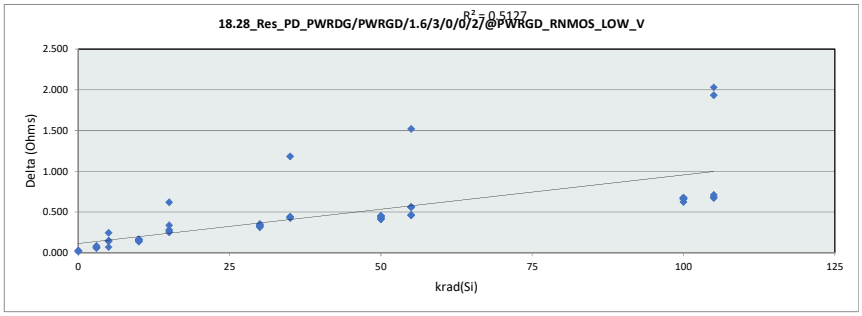


# TID HDR Report
# TPS7H3014-SP

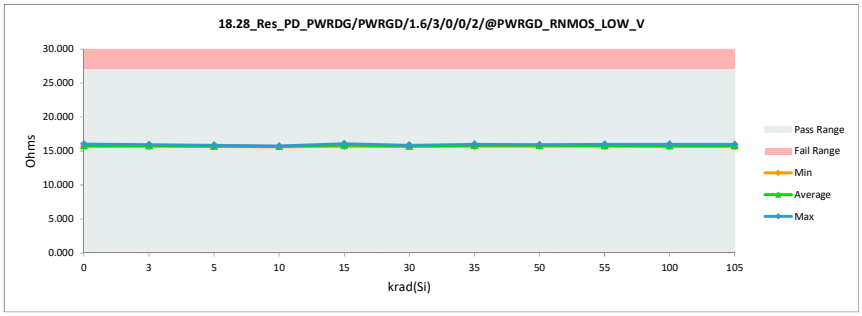
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.28_Res_PD_PWRDG/PW | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.753 | 15.771 | 0.018 |
| 0 | 14 | 16.012 | 16.028 | 0.016 |
| 0 | 15 | 15.632 | 15.655 | 0.023 |
| 3 | 20 | 15.835 | 15.893 | 0.058 |
| 3 | 21 | 15.722 | 15.778 | 0.056 |
| 3 | 22 | 15.640 | 15.706 | 0.066 |
| 3 | 23 | 15.721 | 15.781 | 0.060 |
| 3 | 24 | 15.853 | 15.935 | 0.082 |
| 5 | 25 | 15.604 | 15.672 | 0.068 |
| 5 | 26 | 15.557 | 15.697 | 0.140 |
| 5 | 27 | 15.610 | 15.853 | 0.243 |
| 5 | 28 | 15.554 | 15.696 | 0.142 |
| 5 | 29 | 15.607 | 15.752 | 0.145 |
| 10 | 30 | 15.474 | 15.638 | 0.164 |
| 10 | 31 | 15.584 | 15.723 | 0.139 |
| 10 | 32 | 15.475 | 15.621 | 0.146 |
| 10 | 33 | 15.604 | 15.739 | 0.135 |
| 10 | 34 | 15.502 | 15.661 | 0.159 |
| 15 | 35 | 15.584 | 15.833 | 0.249 |
| 15 | 36 | 15.449 | 16.066 | 0.617 |
| 15 | 37 | 15.749 | 16.083 | 0.334 |
| 15 | 38 | 15.420 | 15.683 | 0.263 |
| 15 | 39 | 15.429 | 15.709 | 0.280 |
| 30 | 40 | 15.416 | 15.765 | 0.349 |
| 30 | 41 | 15.533 | 15.868 | 0.335 |
| 30 | 42 | 15.316 | 15.626 | 0.310 |
| 30 | 43 | 15.310 | 15.642 | 0.332 |
| 30 | 44 | 15.449 | 15.771 | 0.322 |
| 35 | 45 | 15.438 | 15.877 | 0.439 |
| 35 | 46 | 14.834 | 16.015 | 1.181 |
| 35 | 47 | 15.271 | 15.704 | 0.433 |
| 35 | 48 | 15.343 | 15.768 | 0.425 |
| 35 | 49 | 15.432 | 15.864 | 0.432 |
| 50 | 50 | 15.418 | 15.825 | 0.407 |
| 50 | 51 | 15.292 | 15.705 | 0.413 |
| 50 | 52 | 15.498 | 15.925 | 0.427 |
| 50 | 53 | 15.477 | 15.924 | 0.447 |
| 50 | 54 | 15.375 | 15.827 | 0.452 |
| 55 | 55 | 15.345 | 15.807 | 0.462 |
| 55 | 56 | 14.490 | 16.008 | 1.518 |
| 55 | 57 | 15.235 | 15.692 | 0.457 |
| 55 | 58 | 15.274 | 15.833 | 0.559 |
| 55 | 59 | 15.203 | 15.761 | 0.558 |
| 100 | 60 | 14.996 | 15.656 | 0.660 |
| 100 | 61 | 15.094 | 15.769 | 0.675 |
| 100 | 62 | 15.248 | 15.907 | 0.659 |
| 100 | 63 | 15.027 | 15.648 | 0.621 |
| 100 | 64 | 15.326 | 15.997 | 0.671 |
| 105 | 65 | 15.009 | 15.677 | 0.668 |
| 105 | 66 | 14.991 | 15.673 | 0.682 |
| 105 | 67 | 13.881 | 15.911 | 2.030 |
| 105 | 68 | 13.698 | 15.632 | 1.934 |
| 105 | 69 | 15.279 | 15.988 | 0.709 |
| | Max | 16.012 | 16.083 | 2.030 |
| | Average | 15.356 | 15.793 | 0.437 |
| | Min | 13.698 | 15.621 | 0.016 |
| | Std Dev | 0.412 | 0.127 | 0.421 |




| | 18.28_Res_PD_PWRDG/ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.655 | 15.706 | 15.672 | 15.621 | 15.683 | 15.626 | 15.704 | 15.705 | 15.692 | 15.648 | 15.632 |
| Average | 15.818 | 15.819 | 15.734 | 15.676 | 15.875 | 15.734 | 15.846 | 15.841 | 15.820 | 15.795 | 15.776 |
| Max | 16.028 | 15.935 | 15.853 | 15.739 | 16.083 | 15.868 | 16.015 | 15.925 | 16.008 | 15.997 | 15.988 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

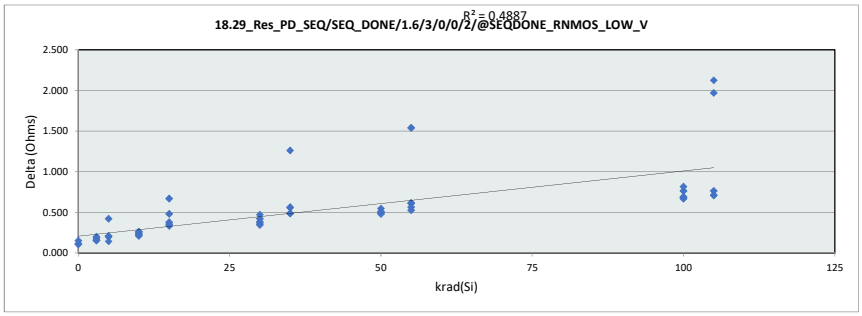


# TID HDR Report
# TPS7H3014-SP

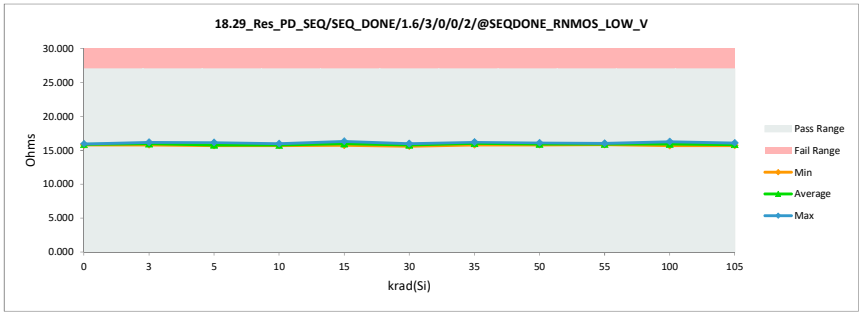
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.29_Res_PD_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.787 | 15.935 | 0.148 |
| 0 | 14 | 15.793 | 15.900 | 0.107 |
| 0 | 15 | 15.674 | 15.779 | 0.105 |
| 3 | 20 | 15.958 | 16.159 | 0.201 |
| 3 | 21 | 15.707 | 15.857 | 0.150 |
| 3 | 22 | 15.652 | 15.805 | 0.153 |
| 3 | 23 | 15.732 | 15.901 | 0.169 |
| 3 | 24 | 15.810 | 15.996 | 0.186 |
| 5 | 25 | 15.559 | 15.700 | 0.141 |
| 5 | 26 | 15.505 | 15.701 | 0.196 |
| 5 | 27 | 15.735 | 16.153 | 0.418 |
| 5 | 28 | 15.516 | 15.717 | 0.201 |
| 5 | 29 | 15.556 | 15.765 | 0.209 |
| 10 | 30 | 15.458 | 15.691 | 0.233 |
| 10 | 31 | 15.498 | 15.707 | 0.209 |
| 10 | 32 | 15.544 | 15.761 | 0.217 |
| 10 | 33 | 15.715 | 15.974 | 0.259 |
| 10 | 34 | 15.502 | 15.758 | 0.256 |
| 15 | 35 | 15.622 | 15.998 | 0.376 |
| 15 | 36 | 15.311 | 15.978 | 0.667 |
| 15 | 37 | 15.842 | 16.320 | 0.478 |
| 15 | 38 | 15.519 | 15.870 | 0.351 |
| 15 | 39 | 15.389 | 15.719 | 0.330 |
| 30 | 40 | 15.512 | 15.981 | 0.469 |
| 30 | 41 | 15.489 | 15.907 | 0.418 |
| 30 | 42 | 15.268 | 15.611 | 0.343 |
| 30 | 43 | 15.339 | 15.704 | 0.365 |
| 30 | 44 | 15.443 | 15.823 | 0.380 |
| 35 | 45 | 15.502 | 16.065 | 0.563 |
| 35 | 46 | 14.922 | 16.181 | 1.259 |
| 35 | 47 | 15.389 | 15.872 | 0.483 |
| 35 | 48 | 15.318 | 15.805 | 0.487 |
| 35 | 49 | 15.493 | 16.048 | 0.555 |
| 50 | 50 | 15.417 | 15.905 | 0.488 |
| 50 | 51 | 15.398 | 15.874 | 0.476 |
| 50 | 52 | 15.553 | 16.098 | 0.545 |
| 50 | 53 | 15.420 | 15.931 | 0.511 |
| 50 | 54 | 15.294 | 15.791 | 0.497 |
| 55 | 55 | 15.379 | 15.942 | 0.563 |
| 55 | 56 | 14.490 | 16.026 | 1.536 |
| 55 | 57 | 15.294 | 15.817 | 0.523 |
| 55 | 58 | 15.309 | 15.918 | 0.609 |
| 55 | 59 | 15.303 | 15.915 | 0.612 |
| 100 | 60 | 15.001 | 15.685 | 0.684 |
| 100 | 61 | 15.073 | 15.762 | 0.689 |
| 100 | 62 | 15.358 | 16.119 | 0.761 |
| 100 | 63 | 15.127 | 15.793 | 0.666 |
| 100 | 64 | 15.441 | 16.255 | 0.814 |
| 105 | 65 | 15.075 | 15.778 | 0.703 |
| 105 | 66 | 15.038 | 15.749 | 0.711 |
| 105 | 67 | 13.948 | 16.070 | 2.122 |
| 105 | 68 | 13.741 | 15.707 | 1.966 |
| 105 | 69 | 15.229 | 15.990 | 0.761 |
| | Max | 15.958 | 16.320 | 2.122 |
| | Average | 15.376 | 15.892 | 0.515 |
| | Min | 13.741 | 15.611 | 0.105 |
| | Std Dev | 0.401 | 0.162 | 0.411 |




| | 18.29_Res_PD_SEQ/SEQ | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.779 | 15.805 | 15.700 | 15.691 | 15.719 | 15.611 | 15.805 | 15.791 | 15.817 | 15.685 | 15.707 |
| Average | 15.871 | 15.944 | 15.807 | 15.778 | 15.977 | 15.805 | 15.994 | 15.920 | 15.924 | 15.923 | 15.859 |
| Max | 15.935 | 16.159 | 16.153 | 15.974 | 16.320 | 15.981 | 16.181 | 16.098 | 16.026 | 16.255 | 16.070 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

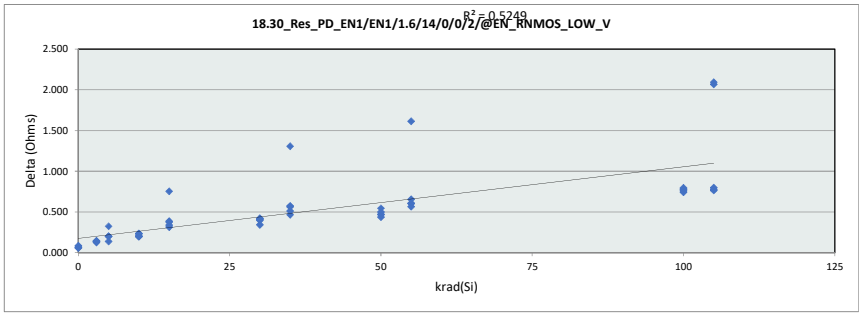


# TID HDR Report
# TPS7H3014-SP

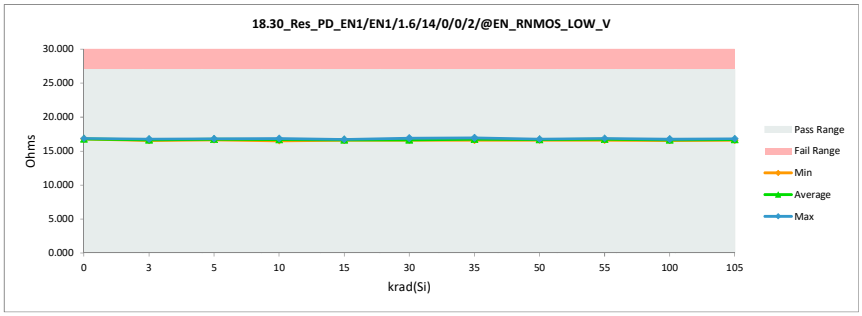
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.30_Res_PD_EN1/EN1/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.795 | 16.850 | 0.055 |
| 0 | 14 | 16.701 | 16.761 | 0.060 |
| 0 | 15 | 16.707 | 16.788 | 0.081 |
| 3 | 20 | 16.420 | 16.556 | 0.136 |
| 3 | 21 | 16.589 | 16.710 | 0.121 |
| 3 | 22 | 16.570 | 16.699 | 0.129 |
| 3 | 23 | 16.618 | 16.756 | 0.138 |
| 3 | 24 | 16.468 | 16.613 | 0.145 |
| 5 | 25 | 16.606 | 16.742 | 0.136 |
| 5 | 26 | 16.611 | 16.809 | 0.198 |
| 5 | 27 | 16.345 | 16.667 | 0.322 |
| 5 | 28 | 16.548 | 16.745 | 0.197 |
| 5 | 29 | 16.543 | 16.743 | 0.200 |
| 10 | 30 | 16.631 | 16.826 | 0.195 |
| 10 | 31 | 16.432 | 16.631 | 0.199 |
| 10 | 32 | 16.275 | 16.508 | 0.233 |
| 10 | 33 | 16.621 | 16.822 | 0.201 |
| 10 | 34 | 16.387 | 16.617 | 0.230 |
| 15 | 35 | 16.400 | 16.712 | 0.312 |
| 15 | 36 | 15.905 | 16.656 | 0.751 |
| 15 | 37 | 16.238 | 16.611 | 0.373 |
| 15 | 38 | 16.209 | 16.593 | 0.384 |
| 15 | 39 | 16.362 | 16.698 | 0.336 |
| 30 | 40 | 16.195 | 16.602 | 0.407 |
| 30 | 41 | 16.181 | 16.601 | 0.420 |
| 30 | 42 | 16.220 | 16.616 | 0.396 |
| 30 | 43 | 16.188 | 16.602 | 0.414 |
| 30 | 44 | 16.539 | 16.880 | 0.341 |
| 35 | 45 | 16.302 | 16.812 | 0.510 |
| 35 | 46 | 15.421 | 16.727 | 1.306 |
| 35 | 47 | 16.072 | 16.634 | 0.562 |
| 35 | 48 | 16.476 | 16.939 | 0.463 |
| 35 | 49 | 16.025 | 16.597 | 0.572 |
| 50 | 50 | 16.175 | 16.673 | 0.498 |
| 50 | 51 | 16.244 | 16.714 | 0.470 |
| 50 | 52 | 16.275 | 16.710 | 0.435 |
| 50 | 53 | 16.293 | 16.757 | 0.464 |
| 50 | 54 | 16.078 | 16.621 | 0.543 |
| 55 | 55 | 16.120 | 16.683 | 0.563 |
| 55 | 56 | 15.186 | 16.797 | 1.611 |
| 55 | 57 | 15.987 | 16.591 | 0.604 |
| 55 | 58 | 16.256 | 16.859 | 0.603 |
| 55 | 59 | 16.034 | 16.688 | 0.654 |
| 100 | 60 | 15.969 | 16.728 | 0.759 |
| 100 | 61 | 15.857 | 16.651 | 0.794 |
| 100 | 62 | 15.845 | 16.614 | 0.769 |
| 100 | 63 | 15.793 | 16.573 | 0.780 |
| 100 | 64 | 15.986 | 16.727 | 0.741 |
| 105 | 65 | 15.817 | 16.592 | 0.775 |
| 105 | 66 | 15.939 | 16.735 | 0.796 |
| 105 | 67 | 14.632 | 16.725 | 2.093 |
| 105 | 68 | 14.742 | 16.808 | 2.066 |
| 105 | 69 | 15.973 | 16.734 | 0.761 |
| | Max | 16.795 | 16.939 | 2.093 |
| | Average | 16.185 | 16.700 | 0.515 |
| | Min | 14.632 | 16.508 | 0.055 |
| | Std Dev | 0.438 | 0.093 | 0.435 |




| | 18.30_Res_PD_EN1/EN1 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.761 | 16.556 | 16.667 | 16.508 | 16.593 | 16.601 | 16.597 | 16.621 | 16.591 | 16.573 | 16.592 |
| Average | 16.800 | 16.667 | 16.741 | 16.681 | 16.654 | 16.660 | 16.742 | 16.695 | 16.724 | 16.659 | 16.719 |
| Max | 16.850 | 16.756 | 16.809 | 16.826 | 16.712 | 16.880 | 16.939 | 16.757 | 16.859 | 16.728 | 16.808 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

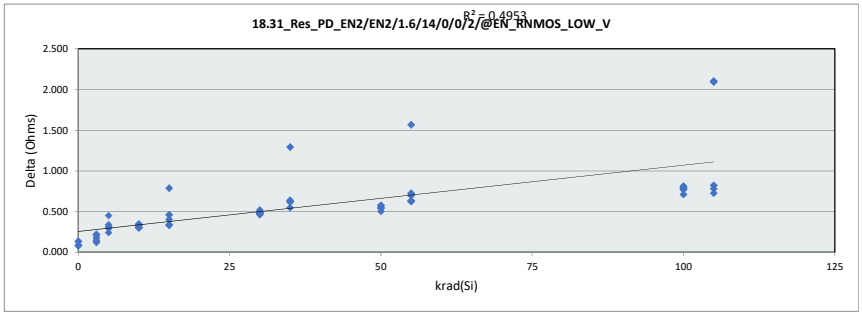


# TID HDR Report
# TPS7H3014-SP

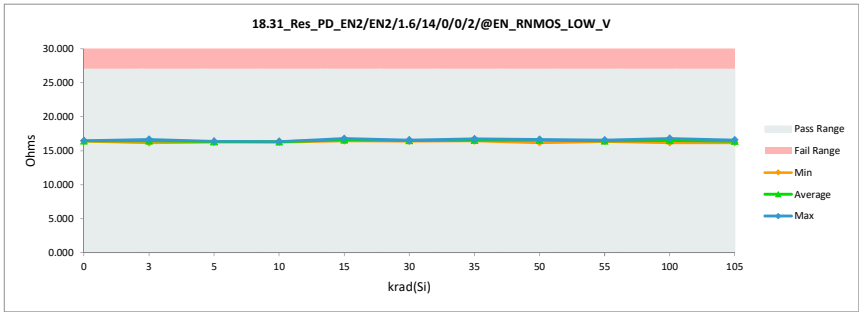
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.31_Res_PD_EN2/EN2/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.365 | 16.451 | 0.086 |
| 0 | 14 | 16.412 | 16.490 | 0.078 |
| 0 | 15 | 16.267 | 16.399 | 0.132 |
| 3 | 20 | 16.548 | 16.667 | 0.119 |
| 3 | 21 | 16.248 | 16.422 | 0.174 |
| 3 | 22 | 15.955 | 16.175 | 0.220 |
| 3 | 23 | 16.153 | 16.365 | 0.212 |
| 3 | 24 | 16.482 | 16.626 | 0.144 |
| 5 | 25 | 16.085 | 16.325 | 0.240 |
| 5 | 26 | 16.028 | 16.343 | 0.315 |
| 5 | 27 | 15.939 | 16.388 | 0.449 |
| 5 | 28 | 15.931 | 16.269 | 0.338 |
| 5 | 29 | 16.094 | 16.388 | 0.294 |
| 10 | 30 | 16.020 | 16.350 | 0.330 |
| 10 | 31 | 16.040 | 16.341 | 0.301 |
| 10 | 32 | 15.986 | 16.287 | 0.301 |
| 10 | 33 | 15.984 | 16.291 | 0.307 |
| 10 | 34 | 15.926 | 16.270 | 0.344 |
| 15 | 35 | 16.334 | 16.664 | 0.330 |
| 15 | 36 | 15.828 | 16.613 | 0.785 |
| 15 | 37 | 16.442 | 16.779 | 0.337 |
| 15 | 38 | 16.129 | 16.531 | 0.402 |
| 15 | 39 | 15.990 | 16.449 | 0.459 |
| 30 | 40 | 15.901 | 16.416 | 0.515 |
| 30 | 41 | 16.061 | 16.549 | 0.488 |
| 30 | 42 | 15.891 | 16.376 | 0.485 |
| 30 | 43 | 16.061 | 16.521 | 0.460 |
| 30 | 44 | 16.095 | 16.568 | 0.473 |
| 35 | 45 | 15.811 | 16.445 | 0.634 |
| 35 | 46 | 15.253 | 16.544 | 1.291 |
| 35 | 47 | 15.844 | 16.464 | 0.620 |
| 35 | 48 | 15.852 | 16.470 | 0.618 |
| 35 | 49 | 16.179 | 16.725 | 0.546 |
| 50 | 50 | 16.045 | 16.590 | 0.545 |
| 50 | 51 | 15.651 | 16.192 | 0.541 |
| 50 | 52 | 16.152 | 16.652 | 0.500 |
| 50 | 53 | 16.022 | 16.597 | 0.575 |
| 50 | 54 | 16.092 | 16.663 | 0.571 |
| 55 | 55 | 15.951 | 16.573 | 0.622 |
| 55 | 56 | 14.803 | 16.368 | 1.565 |
| 55 | 57 | 15.719 | 16.349 | 0.630 |
| 55 | 58 | 15.746 | 16.468 | 0.722 |
| 55 | 59 | 15.705 | 16.401 | 0.696 |
| 100 | 60 | 15.534 | 16.317 | 0.783 |
| 100 | 61 | 15.659 | 16.470 | 0.811 |
| 100 | 62 | 15.932 | 16.721 | 0.789 |
| 100 | 63 | 15.482 | 16.191 | 0.709 |
| 100 | 64 | 16.027 | 16.797 | 0.770 |
| 105 | 65 | 15.476 | 16.200 | 0.724 |
| 105 | 66 | 15.749 | 16.570 | 0.821 |
| 105 | 67 | 14.247 | 16.335 | 2.088 |
| 105 | 68 | 14.442 | 16.543 | 2.101 |
| 105 | 69 | 15.582 | 16.359 | 0.777 |
| | Max | 16.548 | 16.797 | 2.101 |
| | Average | 15.890 | 16.459 | 0.569 |
| | Min | 14.247 | 16.175 | 0.078 |
| | Std Dev | 0.436 | 0.156 | 0.414 |




| | 18.31_Res_PD_EN2/EN2 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.399 | 16.175 | 16.269 | 16.270 | 16.449 | 16.376 | 16.445 | 16.192 | 16.349 | 16.191 | 16.200 |
| Average | 16.447 | 16.451 | 16.343 | 16.308 | 16.607 | 16.486 | 16.530 | 16.539 | 16.432 | 16.499 | 16.401 |
| Max | 16.490 | 16.667 | 16.388 | 16.350 | 16.779 | 16.568 | 16.725 | 16.663 | 16.573 | 16.797 | 16.570 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

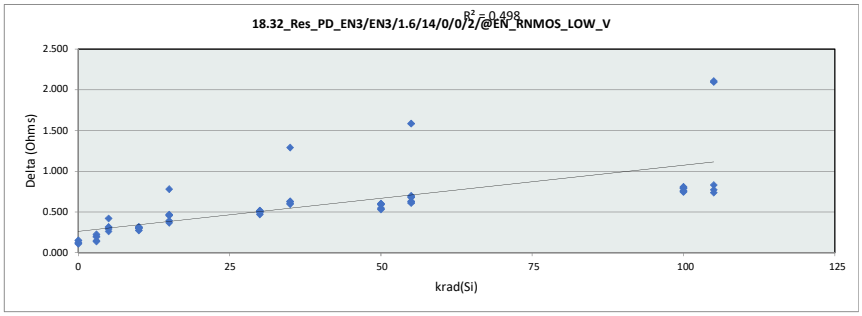


# TID HDR Report
# TPS7H3014-SP

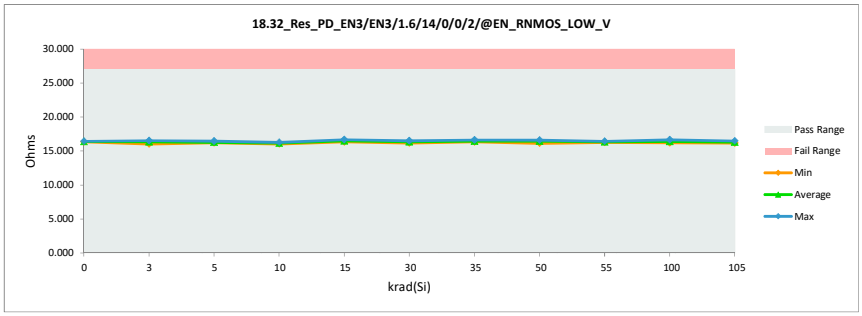
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.32_Res_PD_EN3/EN3/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.181 | 16.329 | 0.148 |
| 0 | 14 | 16.284 | 16.405 | 0.121 |
| 0 | 15 | 16.332 | 16.438 | 0.106 |
| 3 | 20 | 16.374 | 16.510 | 0.136 |
| 3 | 21 | 16.115 | 16.313 | 0.198 |
| 3 | 22 | 15.856 | 16.044 | 0.188 |
| 3 | 23 | 16.164 | 16.385 | 0.221 |
| 3 | 24 | 16.387 | 16.533 | 0.146 |
| 5 | 25 | 16.052 | 16.311 | 0.259 |
| 5 | 26 | 15.893 | 16.203 | 0.310 |
| 5 | 27 | 15.797 | 16.214 | 0.417 |
| 5 | 28 | 15.921 | 16.235 | 0.314 |
| 5 | 29 | 16.155 | 16.444 | 0.289 |
| 10 | 30 | 15.925 | 16.228 | 0.303 |
| 10 | 31 | 15.960 | 16.274 | 0.314 |
| 10 | 32 | 15.786 | 16.056 | 0.270 |
| 10 | 33 | 15.918 | 16.226 | 0.308 |
| 10 | 34 | 15.750 | 16.047 | 0.297 |
| 15 | 35 | 16.150 | 16.539 | 0.389 |
| 15 | 36 | 15.688 | 16.466 | 0.778 |
| 15 | 37 | 16.312 | 16.677 | 0.365 |
| 15 | 38 | 15.875 | 16.330 | 0.455 |
| 15 | 39 | 15.904 | 16.368 | 0.464 |
| 30 | 40 | 15.829 | 16.342 | 0.513 |
| 30 | 41 | 15.938 | 16.450 | 0.512 |
| 30 | 42 | 15.721 | 16.188 | 0.467 |
| 30 | 43 | 15.853 | 16.343 | 0.490 |
| 30 | 44 | 16.005 | 16.508 | 0.503 |
| 35 | 45 | 15.716 | 16.338 | 0.622 |
| 35 | 46 | 15.139 | 16.427 | 1.288 |
| 35 | 47 | 15.735 | 16.337 | 0.602 |
| 35 | 48 | 15.794 | 16.422 | 0.628 |
| 35 | 49 | 16.033 | 16.626 | 0.593 |
| 50 | 50 | 15.851 | 16.446 | 0.595 |
| 50 | 51 | 15.618 | 16.145 | 0.527 |
| 50 | 52 | 15.994 | 16.538 | 0.544 |
| 50 | 53 | 15.907 | 16.508 | 0.601 |
| 50 | 54 | 16.009 | 16.596 | 0.587 |
| 55 | 55 | 15.804 | 16.430 | 0.626 |
| 55 | 56 | 14.732 | 16.314 | 1.582 |
| 55 | 57 | 15.663 | 16.271 | 0.608 |
| 55 | 58 | 15.655 | 16.349 | 0.694 |
| 55 | 59 | 15.607 | 16.284 | 0.677 |
| 100 | 60 | 15.468 | 16.213 | 0.745 |
| 100 | 61 | 15.559 | 16.365 | 0.806 |
| 100 | 62 | 15.755 | 16.545 | 0.790 |
| 100 | 63 | 15.513 | 16.270 | 0.757 |
| 100 | 64 | 15.870 | 16.661 | 0.791 |
| 105 | 65 | 15.433 | 16.167 | 0.734 |
| 105 | 66 | 15.661 | 16.490 | 0.829 |
| 105 | 67 | 14.209 | 16.315 | 2.106 |
| 105 | 68 | 14.206 | 16.299 | 2.093 |
| 105 | 69 | 15.444 | 16.213 | 0.769 |
| | Max | 16.387 | 16.677 | 2.106 |
| | Average | 15.783 | 16.358 | 0.575 |
| | Min | 14.206 | 16.044 | 0.106 |
| | Std Dev | 0.433 | 0.150 | 0.413 |




| | 18.32_Res_PD_EN3/EN3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.329 | 16.044 | 16.203 | 16.047 | 16.330 | 16.188 | 16.337 | 16.145 | 16.271 | 16.213 | 16.167 |
| Average | 16.391 | 16.357 | 16.281 | 16.166 | 16.476 | 16.366 | 16.430 | 16.447 | 16.330 | 16.411 | 16.297 |
| Max | 16.438 | 16.533 | 16.444 | 16.274 | 16.677 | 16.508 | 16.626 | 16.596 | 16.430 | 16.661 | 16.490 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

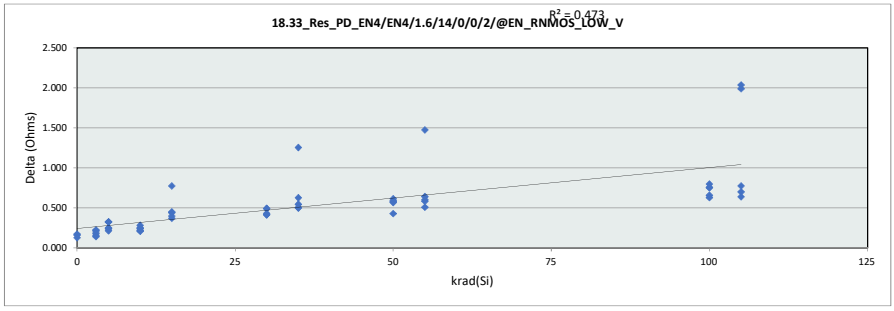


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

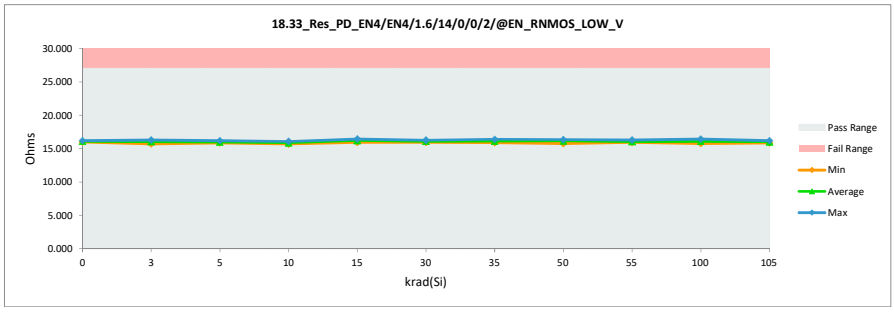
| | 18.33_Res_PD_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.841 | 15.968 | 0.127 |
| 0 | 14 | 16.033 | 16.205 | 0.172 |
| 0 | 15 | 15.970 | 16.131 | 0.161 |
| 3 | 20 | 16.109 | 16.294 | 0.185 |
| 3 | 21 | 15.786 | 15.947 | 0.161 |
| 3 | 22 | 15.558 | 15.700 | 0.142 |
| 3 | 23 | 15.841 | 16.055 | 0.214 |
| 3 | 24 | 16.026 | 16.252 | 0.226 |
| 5 | 25 | 15.851 | 16.066 | 0.215 |
| 5 | 26 | 15.739 | 15.989 | 0.250 |
| 5 | 27 | 15.526 | 15.852 | 0.326 |
| 5 | 28 | 15.677 | 15.916 | 0.239 |
| 5 | 29 | 15.868 | 16.193 | 0.325 |
| 10 | 30 | 15.683 | 15.935 | 0.252 |
| 10 | 31 | 15.789 | 16.071 | 0.282 |
| 10 | 32 | 15.488 | 15.697 | 0.209 |
| 10 | 33 | 15.674 | 15.919 | 0.245 |
| 10 | 34 | 15.524 | 15.745 | 0.221 |
| 15 | 35 | 15.791 | 16.230 | 0.439 |
| 15 | 36 | 15.639 | 16.413 | 0.774 |
| 15 | 37 | 15.987 | 16.436 | 0.449 |
| 15 | 38 | 15.627 | 16.025 | 0.398 |
| 15 | 39 | 15.593 | 15.964 | 0.371 |
| 30 | 40 | 15.545 | 15.960 | 0.415 |
| 30 | 41 | 15.661 | 16.151 | 0.490 |
| 30 | 42 | 15.607 | 16.023 | 0.416 |
| 30 | 43 | 15.630 | 16.061 | 0.431 |
| 30 | 44 | 15.771 | 16.266 | 0.495 |
| 35 | 45 | 15.376 | 15.881 | 0.505 |
| 35 | 46 | 14.979 | 16.235 | 1.256 |
| 35 | 47 | 15.459 | 15.960 | 0.501 |
| 35 | 48 | 15.560 | 16.106 | 0.546 |
| 35 | 49 | 15.770 | 16.398 | 0.628 |
| 50 | 50 | 15.641 | 16.209 | 0.568 |
| 50 | 51 | 15.335 | 15.764 | 0.429 |
| 50 | 52 | 15.762 | 16.339 | 0.577 |
| 50 | 53 | 15.624 | 16.214 | 0.590 |
| 50 | 54 | 15.711 | 16.326 | 0.615 |
| 55 | 55 | 15.690 | 16.293 | 0.603 |
| 55 | 56 | 14.467 | 15.942 | 1.475 |
| 55 | 57 | 15.471 | 15.979 | 0.508 |
| 55 | 58 | 15.456 | 16.098 | 0.642 |
| 55 | 59 | 15.363 | 15.948 | 0.585 |
| 100 | 60 | 15.229 | 15.887 | 0.658 |
| 100 | 61 | 15.401 | 16.153 | 0.752 |
| 100 | 62 | 15.524 | 16.281 | 0.757 |
| 100 | 63 | 15.132 | 15.761 | 0.629 |
| 100 | 64 | 15.609 | 16.407 | 0.798 |
| 105 | 65 | 15.207 | 15.847 | 0.640 |
| 105 | 66 | 15.424 | 16.201 | 0.777 |
| 105 | 67 | 14.015 | 16.051 | 2.036 |
| 105 | 68 | 14.034 | 16.024 | 1.990 |
| 105 | 69 | 15.334 | 16.035 | 0.701 |
| | Max | 16.109 | 16.436 | 2.036 |
| | Average | 15.536 | 16.072 | 0.536 |
| | Min | 14.015 | 15.697 | 0.127 |
| | Std Dev | 0.411 | 0.191 | 0.395 |




| | 18.33_Res_PD_EN4/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 27 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.968 | 15.700 | 15.852 | 15.697 | 15.964 | 15.960 | 15.881 | 15.764 | 15.942 | 15.761 | 15.847 |
| Average | 16.101 | 16.050 | 16.003 | 15.873 | 16.214 | 16.092 | 16.116 | 16.170 | 16.052 | 16.098 | 16.032 |
| Max | 16.205 | 16.294 | 16.193 | 16.071 | 16.436 | 16.266 | 16.398 | 16.339 | 16.293 | 16.407 | 16.201 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

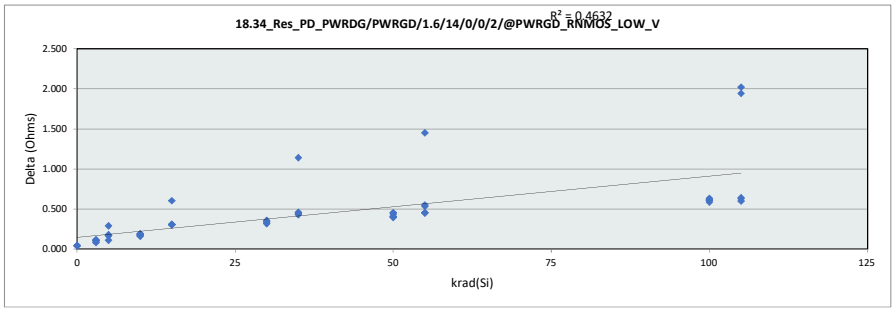


# TID HDR Report
# TPS7H3014-SP

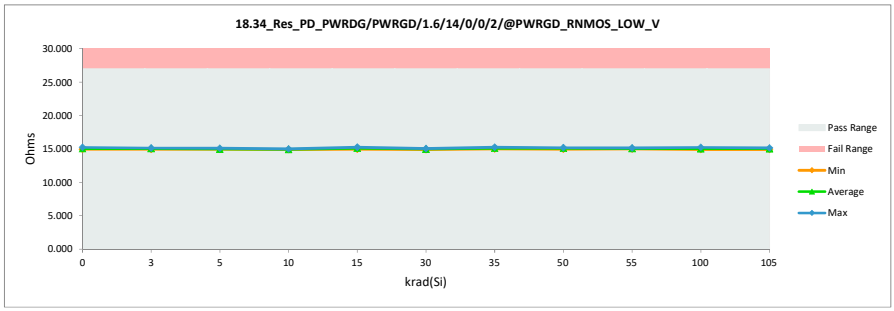
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.34_Res_PD_PWRDG/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 14.979 | 15.017 | 0.038 |
| 0 | 14 | 15.169 | 15.213 | 0.044 |
| 0 | 15 | 14.872 | 14.918 | 0.046 |
| 3 | 20 | 15.017 | 15.126 | 0.109 |
| 3 | 21 | 14.955 | 15.034 | 0.079 |
| 3 | 22 | 14.824 | 14.926 | 0.102 |
| 3 | 23 | 14.907 | 15.011 | 0.104 |
| 3 | 24 | 14.996 | 15.115 | 0.119 |
| 5 | 25 | 14.817 | 14.927 | 0.110 |
| 5 | 26 | 14.764 | 14.938 | 0.174 |
| 5 | 27 | 14.821 | 15.110 | 0.289 |
| 5 | 28 | 14.798 | 14.975 | 0.177 |
| 5 | 29 | 14.805 | 14.972 | 0.167 |
| 10 | 30 | 14.720 | 14.906 | 0.186 |
| 10 | 31 | 14.829 | 14.993 | 0.164 |
| 10 | 32 | 14.722 | 14.903 | 0.181 |
| 10 | 33 | 14.801 | 14.966 | 0.165 |
| 10 | 34 | 14.735 | 14.927 | 0.192 |
| 15 | 35 | 14.776 | 15.082 | 0.306 |
| 15 | 36 | 14.631 | 15.234 | 0.603 |
| 15 | 37 | 14.944 | 15.249 | 0.305 |
| 15 | 38 | 14.651 | 14.955 | 0.304 |
| 15 | 39 | 14.706 | 15.014 | 0.308 |
| 30 | 40 | 14.684 | 15.041 | 0.357 |
| 30 | 41 | 14.720 | 15.061 | 0.341 |
| 30 | 42 | 14.559 | 14.882 | 0.323 |
| 30 | 43 | 14.590 | 14.909 | 0.319 |
| 30 | 44 | 14.700 | 15.045 | 0.345 |
| 35 | 45 | 14.650 | 15.108 | 0.458 |
| 35 | 46 | 14.101 | 15.243 | 1.142 |
| 35 | 47 | 14.537 | 14.975 | 0.438 |
| 35 | 48 | 14.633 | 15.077 | 0.444 |
| 35 | 49 | 14.656 | 15.086 | 0.430 |
| 50 | 50 | 14.645 | 15.053 | 0.408 |
| 50 | 51 | 14.545 | 14.947 | 0.402 |
| 50 | 52 | 14.750 | 15.144 | 0.394 |
| 50 | 53 | 14.727 | 15.163 | 0.436 |
| 50 | 54 | 14.609 | 15.064 | 0.455 |
| 55 | 55 | 14.608 | 15.058 | 0.450 |
| 55 | 56 | 13.708 | 15.158 | 1.450 |
| 55 | 57 | 14.522 | 14.976 | 0.454 |
| 55 | 58 | 14.516 | 15.067 | 0.551 |
| 55 | 59 | 14.490 | 15.023 | 0.533 |
| 100 | 60 | 14.296 | 14.903 | 0.607 |
| 100 | 61 | 14.359 | 14.992 | 0.633 |
| 100 | 62 | 14.541 | 15.162 | 0.621 |
| 100 | 63 | 14.308 | 14.893 | 0.585 |
| 100 | 64 | 14.600 | 15.211 | 0.611 |
| 105 | 65 | 14.310 | 14.909 | 0.599 |
| 105 | 66 | 14.366 | 15.005 | 0.639 |
| 105 | 67 | 13.121 | 15.142 | 2.021 |
| 105 | 68 | 12.995 | 14.938 | 1.943 |
| 105 | 69 | 14.515 | 15.145 | 0.630 |
| | Max | 15.169 | 15.249 | 2.021 |
| | Average | 14.596 | 15.036 | 0.439 |
| | Min | 12.995 | 14.882 | 0.038 |
| | Std Dev | 0.391 | 0.102 | 0.403 |




| | 18.34_Res_PD_PWRDG | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 14.918 | 14.926 | 14.927 | 14.903 | 14.955 | 14.882 | 14.975 | 14.947 | 14.976 | 14.893 | 14.909 |
| Average | 15.049 | 15.042 | 14.984 | 14.939 | 15.107 | 14.988 | 15.098 | 15.074 | 15.056 | 15.032 | 15.028 |
| Max | 15.213 | 15.126 | 15.110 | 14.993 | 15.249 | 15.061 | 15.243 | 15.163 | 15.158 | 15.211 | 15.145 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

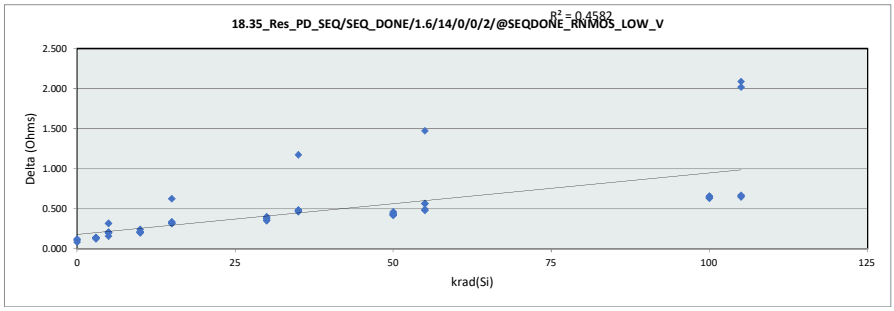


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

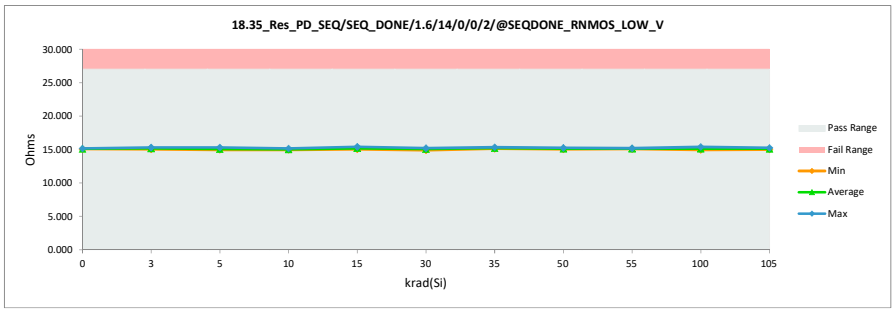
| | 18.35_Res_PD_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.045 | 15.167 | 0.122 |
| 0 | 14 | 15.047 | 15.129 | 0.082 |
| 0 | 15 | 14.954 | 15.061 | 0.107 |
| 3 | 20 | 15.180 | 15.304 | 0.124 |
| 3 | 21 | 14.980 | 15.118 | 0.138 |
| 3 | 22 | 14.892 | 15.034 | 0.142 |
| 3 | 23 | 14.982 | 15.119 | 0.137 |
| 3 | 24 | 15.036 | 15.177 | 0.141 |
| 5 | 25 | 14.822 | 14.981 | 0.159 |
| 5 | 26 | 14.767 | 14.969 | 0.202 |
| 5 | 27 | 14.982 | 15.299 | 0.317 |
| 5 | 28 | 14.823 | 15.024 | 0.201 |
| 5 | 29 | 14.811 | 15.020 | 0.209 |
| 10 | 30 | 14.759 | 14.975 | 0.216 |
| 10 | 31 | 14.788 | 14.993 | 0.205 |
| 10 | 32 | 14.836 | 15.045 | 0.209 |
| 10 | 33 | 14.962 | 15.162 | 0.200 |
| 10 | 34 | 14.786 | 15.028 | 0.242 |
| 15 | 35 | 14.886 | 15.202 | 0.316 |
| 15 | 36 | 14.556 | 15.181 | 0.625 |
| 15 | 37 | 15.088 | 15.405 | 0.317 |
| 15 | 38 | 14.786 | 15.121 | 0.335 |
| 15 | 39 | 14.703 | 15.038 | 0.335 |
| 30 | 40 | 14.806 | 15.207 | 0.401 |
| 30 | 41 | 14.730 | 15.114 | 0.384 |
| 30 | 42 | 14.547 | 14.898 | 0.351 |
| 30 | 43 | 14.629 | 14.984 | 0.355 |
| 30 | 44 | 14.733 | 15.109 | 0.376 |
| 35 | 45 | 14.752 | 15.237 | 0.485 |
| 35 | 46 | 14.166 | 15.338 | 1.172 |
| 35 | 47 | 14.660 | 15.124 | 0.464 |
| 35 | 48 | 14.644 | 15.124 | 0.480 |
| 35 | 49 | 14.771 | 15.246 | 0.475 |
| 50 | 50 | 14.688 | 15.113 | 0.425 |
| 50 | 51 | 14.667 | 15.105 | 0.438 |
| 50 | 52 | 14.840 | 15.257 | 0.417 |
| 50 | 53 | 14.733 | 15.178 | 0.445 |
| 50 | 54 | 14.582 | 15.044 | 0.462 |
| 55 | 55 | 14.663 | 15.158 | 0.495 |
| 55 | 56 | 13.704 | 15.176 | 1.472 |
| 55 | 57 | 14.612 | 15.093 | 0.481 |
| 55 | 58 | 14.583 | 15.148 | 0.565 |
| 55 | 59 | 14.581 | 15.144 | 0.563 |
| 100 | 60 | 14.294 | 14.952 | 0.658 |
| 100 | 61 | 14.357 | 15.011 | 0.654 |
| 100 | 62 | 14.669 | 15.307 | 0.638 |
| 100 | 63 | 14.417 | 15.049 | 0.632 |
| 100 | 64 | 14.736 | 15.375 | 0.639 |
| 105 | 65 | 14.373 | 15.021 | 0.648 |
| 105 | 66 | 14.423 | 15.091 | 0.668 |
| 105 | 67 | 13.166 | 15.254 | 2.088 |
| 105 | 68 | 13.000 | 15.019 | 2.019 |
| 105 | 69 | 14.490 | 15.147 | 0.657 |
| | Max | 15.180 | 15.405 | 2.088 |
| | Average | 14.651 | 15.124 | 0.473 |
| | Min | 13.000 | 14.898 | 0.082 |
| | Std Dev | 0.402 | 0.113 | 0.406 |




| | 18.35_Res_PD_SEQ/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 27 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.061 | 15.034 | 14.969 | 14.975 | 15.038 | 14.898 | 15.124 | 15.044 | 15.093 | 14.952 | 15.019 |
| Average | 15.119 | 15.150 | 15.059 | 15.041 | 15.189 | 15.062 | 15.214 | 15.139 | 15.144 | 15.139 | 15.106 |
| Max | 15.167 | 15.304 | 15.299 | 15.162 | 15.405 | 15.207 | 15.338 | 15.257 | 15.176 | 15.375 | 15.254 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

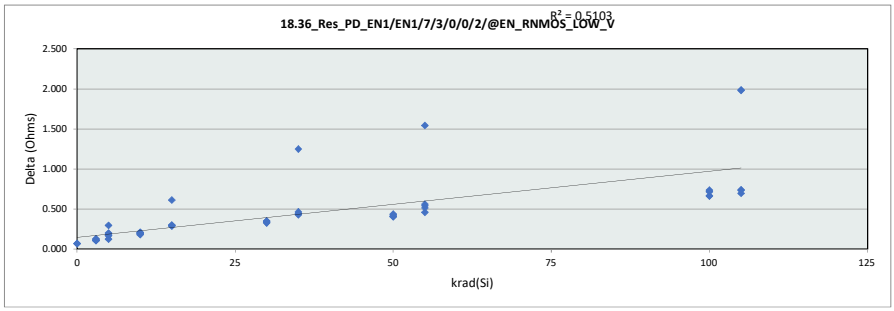


# TID HDR Report
# TPS7H3014-SP

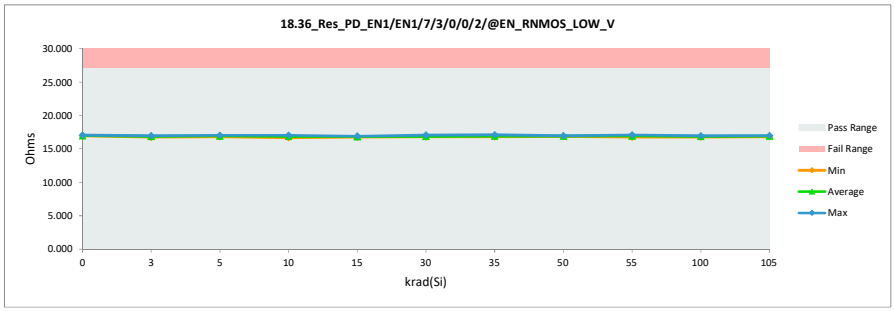
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.36_Res_PD_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.978 | 17.047 | 0.069 |
| 0 | 14 | 16.888 | 16.954 | 0.066 |
| 0 | 15 | 16.915 | 16.985 | 0.070 |
| 3 | 20 | 16.635 | 16.743 | 0.108 |
| 3 | 21 | 16.780 | 16.885 | 0.105 |
| 3 | 22 | 16.805 | 16.918 | 0.113 |
| 3 | 23 | 16.837 | 16.967 | 0.130 |
| 3 | 24 | 16.705 | 16.828 | 0.123 |
| 5 | 25 | 16.821 | 16.946 | 0.125 |
| 5 | 26 | 16.834 | 17.034 | 0.200 |
| 5 | 27 | 16.525 | 16.821 | 0.296 |
| 5 | 28 | 16.755 | 16.922 | 0.167 |
| 5 | 29 | 16.781 | 16.957 | 0.176 |
| 10 | 30 | 16.821 | 17.028 | 0.207 |
| 10 | 31 | 16.606 | 16.785 | 0.179 |
| 10 | 32 | 16.495 | 16.687 | 0.192 |
| 10 | 33 | 16.832 | 17.026 | 0.194 |
| 10 | 34 | 16.591 | 16.800 | 0.209 |
| 15 | 35 | 16.620 | 16.906 | 0.286 |
| 15 | 36 | 16.239 | 16.850 | 0.611 |
| 15 | 37 | 16.501 | 16.796 | 0.295 |
| 15 | 38 | 16.467 | 16.767 | 0.300 |
| 15 | 39 | 16.576 | 16.874 | 0.298 |
| 30 | 40 | 16.449 | 16.794 | 0.345 |
| 30 | 41 | 16.487 | 16.838 | 0.351 |
| 30 | 42 | 16.484 | 16.811 | 0.327 |
| 30 | 43 | 16.442 | 16.778 | 0.336 |
| 30 | 44 | 16.730 | 17.061 | 0.331 |
| 35 | 45 | 16.555 | 17.004 | 0.449 |
| 35 | 46 | 15.650 | 16.900 | 1.250 |
| 35 | 47 | 16.348 | 16.790 | 0.442 |
| 35 | 48 | 16.673 | 17.101 | 0.428 |
| 35 | 49 | 16.322 | 16.787 | 0.465 |
| 50 | 50 | 16.470 | 16.873 | 0.403 |
| 50 | 51 | 16.511 | 16.920 | 0.409 |
| 50 | 52 | 16.504 | 16.916 | 0.412 |
| 50 | 53 | 16.534 | 16.964 | 0.430 |
| 50 | 54 | 16.392 | 16.830 | 0.438 |
| 55 | 55 | 16.427 | 16.887 | 0.460 |
| 55 | 56 | 15.468 | 17.011 | 1.543 |
| 55 | 57 | 16.253 | 16.768 | 0.515 |
| 55 | 58 | 16.531 | 17.071 | 0.540 |
| 55 | 59 | 16.326 | 16.886 | 0.560 |
| 100 | 60 | 16.290 | 16.955 | 0.665 |
| 100 | 61 | 16.116 | 16.854 | 0.738 |
| 100 | 62 | 16.069 | 16.784 | 0.715 |
| 100 | 63 | 16.048 | 16.773 | 0.725 |
| 100 | 64 | 16.258 | 16.920 | 0.662 |
| 105 | 65 | 16.083 | 16.823 | 0.740 |
| 105 | 66 | 16.129 | 16.863 | 0.734 |
| 105 | 67 | 14.934 | 16.921 | 1.987 |
| 105 | 68 | 14.990 | 16.970 | 1.980 |
| 105 | 69 | 16.293 | 16.988 | 0.695 |
| | Max | 16.978 | 17.101 | 1.987 |
| | Average | 16.430 | 16.894 | 0.464 |
| | Min | 14.934 | 16.687 | 0.066 |
| | Std Dev | 0.418 | 0.097 | 0.415 |




| | 18.36_Res_PD_EN1/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.954 | 16.743 | 16.821 | 16.687 | 16.767 | 16.778 | 16.787 | 16.830 | 16.768 | 16.773 | 16.823 |
| Average | 16.995 | 16.868 | 16.936 | 16.865 | 16.839 | 16.856 | 16.916 | 16.901 | 16.925 | 16.857 | 16.913 |
| Max | 17.047 | 16.967 | 17.034 | 17.028 | 16.906 | 17.061 | 17.101 | 16.964 | 17.071 | 16.955 | 16.988 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

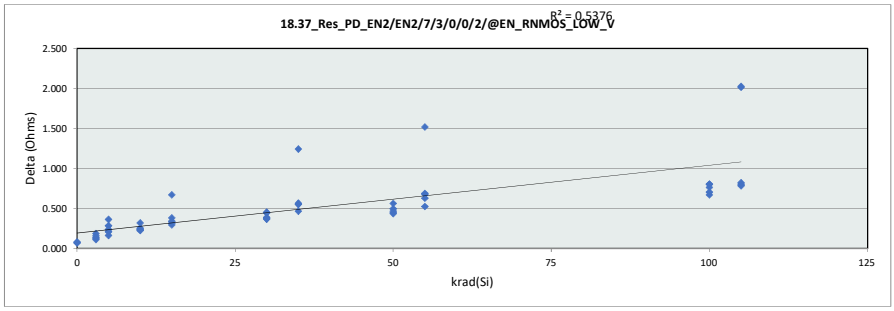


# TID HDR Report
# TPS7H3014-SP

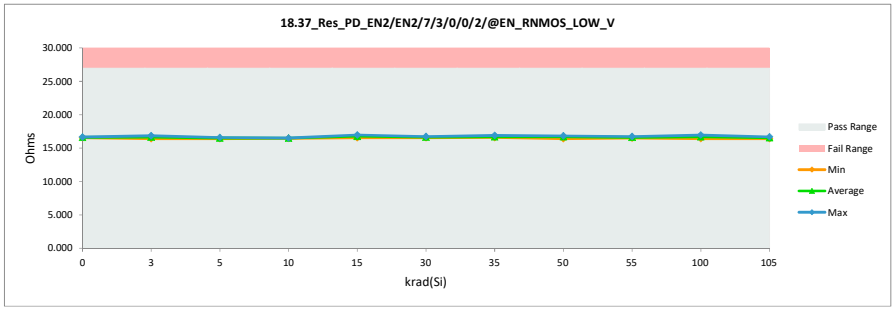
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.37_Res_PD_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.564 | 16.633 | 0.069 |
| 0 | 14 | 16.608 | 16.677 | 0.069 |
| 0 | 15 | 16.479 | 16.560 | 0.081 |
| 3 | 20 | 16.751 | 16.860 | 0.109 |
| 3 | 21 | 16.458 | 16.585 | 0.127 |
| 3 | 22 | 16.239 | 16.425 | 0.186 |
| 3 | 23 | 16.408 | 16.565 | 0.157 |
| 3 | 24 | 16.706 | 16.844 | 0.138 |
| 5 | 25 | 16.363 | 16.526 | 0.163 |
| 5 | 26 | 16.323 | 16.559 | 0.236 |
| 5 | 27 | 16.196 | 16.559 | 0.363 |
| 5 | 28 | 16.153 | 16.436 | 0.283 |
| 5 | 29 | 16.387 | 16.594 | 0.207 |
| 10 | 30 | 16.288 | 16.530 | 0.242 |
| 10 | 31 | 16.298 | 16.522 | 0.224 |
| 10 | 32 | 16.233 | 16.471 | 0.238 |
| 10 | 33 | 16.254 | 16.509 | 0.255 |
| 10 | 34 | 16.146 | 16.465 | 0.319 |
| 15 | 35 | 16.553 | 16.846 | 0.293 |
| 15 | 36 | 16.129 | 16.798 | 0.669 |
| 15 | 37 | 16.658 | 16.973 | 0.315 |
| 15 | 38 | 16.360 | 16.700 | 0.340 |
| 15 | 39 | 16.202 | 16.583 | 0.381 |
| 30 | 40 | 16.124 | 16.567 | 0.443 |
| 30 | 41 | 16.381 | 16.748 | 0.367 |
| 30 | 42 | 16.115 | 16.567 | 0.452 |
| 30 | 43 | 16.279 | 16.666 | 0.387 |
| 30 | 44 | 16.329 | 16.700 | 0.371 |
| 35 | 45 | 16.077 | 16.631 | 0.554 |
| 35 | 46 | 15.459 | 16.701 | 1.242 |
| 35 | 47 | 16.084 | 16.635 | 0.551 |
| 35 | 48 | 16.021 | 16.586 | 0.565 |
| 35 | 49 | 16.451 | 16.916 | 0.465 |
| 50 | 50 | 16.341 | 16.788 | 0.447 |
| 50 | 51 | 15.865 | 16.427 | 0.562 |
| 50 | 52 | 16.407 | 16.842 | 0.435 |
| 50 | 53 | 16.267 | 16.763 | 0.496 |
| 50 | 54 | 16.374 | 16.841 | 0.467 |
| 55 | 55 | 16.218 | 16.743 | 0.525 |
| 55 | 56 | 15.090 | 16.607 | 1.517 |
| 55 | 57 | 15.889 | 16.517 | 0.628 |
| 55 | 58 | 15.979 | 16.654 | 0.675 |
| 55 | 59 | 15.896 | 16.583 | 0.687 |
| 100 | 60 | 15.702 | 16.505 | 0.803 |
| 100 | 61 | 15.869 | 16.671 | 0.802 |
| 100 | 62 | 16.180 | 16.884 | 0.704 |
| 100 | 63 | 15.656 | 16.418 | 0.762 |
| 100 | 64 | 16.291 | 16.960 | 0.669 |
| 105 | 65 | 15.644 | 16.428 | 0.784 |
| 105 | 66 | 15.856 | 16.677 | 0.821 |
| 105 | 67 | 14.523 | 16.535 | 2.012 |
| 105 | 68 | 14.662 | 16.688 | 2.026 |
| 105 | 69 | 15.794 | 16.597 | 0.803 |
| | Max | 16.751 | 16.973 | 2.026 |
| | Average | 16.124 | 16.643 | 0.519 |
| | Min | 14.523 | 16.418 | 0.069 |
| | Std Dev | 0.440 | 0.146 | 0.414 |




| | 18.37_Res_PD_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.560 | 16.425 | 16.436 | 16.465 | 16.583 | 16.567 | 16.586 | 16.427 | 16.517 | 16.418 | 16.428 |
| Average | 16.623 | 16.656 | 16.535 | 16.499 | 16.780 | 16.650 | 16.694 | 16.732 | 16.621 | 16.688 | 16.585 |
| Max | 16.677 | 16.860 | 16.594 | 16.530 | 16.973 | 16.748 | 16.916 | 16.842 | 16.743 | 16.960 | 16.688 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

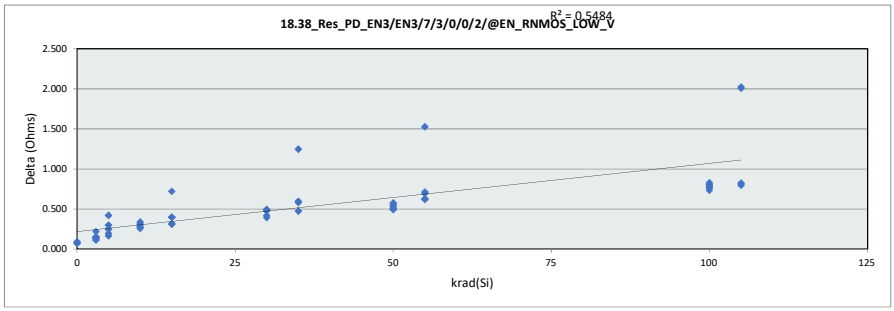


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

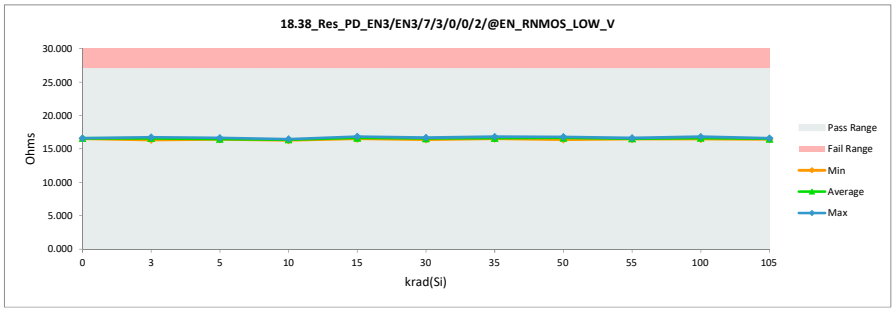
| | 18.38_Res_PD_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.425 | 16.518 | 0.093 |
| 0 | 14 | 16.518 | 16.593 | 0.075 |
| 0 | 15 | 16.529 | 16.602 | 0.073 |
| 3 | 20 | 16.596 | 16.709 | 0.113 |
| 3 | 21 | 16.360 | 16.507 | 0.147 |
| 3 | 22 | 16.105 | 16.324 | 0.219 |
| 3 | 23 | 16.430 | 16.582 | 0.152 |
| 3 | 24 | 16.621 | 16.751 | 0.130 |
| 5 | 25 | 16.324 | 16.491 | 0.167 |
| 5 | 26 | 16.183 | 16.431 | 0.248 |
| 5 | 27 | 15.982 | 16.402 | 0.420 |
| 5 | 28 | 16.113 | 16.413 | 0.300 |
| 5 | 29 | 16.450 | 16.644 | 0.194 |
| 10 | 30 | 16.156 | 16.434 | 0.278 |
| 10 | 31 | 16.209 | 16.467 | 0.258 |
| 10 | 32 | 15.965 | 16.278 | 0.313 |
| 10 | 33 | 16.168 | 16.451 | 0.283 |
| 10 | 34 | 15.922 | 16.261 | 0.339 |
| 15 | 35 | 16.413 | 16.724 | 0.311 |
| 15 | 36 | 15.937 | 16.660 | 0.723 |
| 15 | 37 | 16.537 | 16.854 | 0.317 |
| 15 | 38 | 16.124 | 16.521 | 0.397 |
| 15 | 39 | 16.109 | 16.510 | 0.401 |
| 30 | 40 | 16.011 | 16.508 | 0.497 |
| 30 | 41 | 16.235 | 16.653 | 0.418 |
| 30 | 42 | 15.899 | 16.381 | 0.482 |
| 30 | 43 | 16.015 | 16.493 | 0.478 |
| 30 | 44 | 16.268 | 16.662 | 0.394 |
| 35 | 45 | 15.945 | 16.542 | 0.597 |
| 35 | 46 | 15.351 | 16.598 | 1.247 |
| 35 | 47 | 15.929 | 16.510 | 0.581 |
| 35 | 48 | 15.938 | 16.529 | 0.591 |
| 35 | 49 | 16.355 | 16.830 | 0.475 |
| 50 | 50 | 16.098 | 16.631 | 0.533 |
| 50 | 51 | 15.811 | 16.388 | 0.577 |
| 50 | 52 | 16.238 | 16.731 | 0.493 |
| 50 | 53 | 16.112 | 16.672 | 0.560 |
| 50 | 54 | 16.276 | 16.784 | 0.508 |
| 55 | 55 | 16.005 | 16.626 | 0.621 |
| 55 | 56 | 15.011 | 16.539 | 1.528 |
| 55 | 57 | 15.821 | 16.451 | 0.630 |
| 55 | 58 | 15.858 | 16.553 | 0.695 |
| 55 | 59 | 15.768 | 16.482 | 0.714 |
| 100 | 60 | 15.641 | 16.445 | 0.804 |
| 100 | 61 | 15.745 | 16.574 | 0.829 |
| 100 | 62 | 15.954 | 16.717 | 0.763 |
| 100 | 63 | 15.710 | 16.496 | 0.786 |
| 100 | 64 | 16.095 | 16.829 | 0.734 |
| 105 | 65 | 15.618 | 16.415 | 0.797 |
| 105 | 66 | 15.770 | 16.596 | 0.826 |
| 105 | 67 | 14.481 | 16.505 | 2.024 |
| 105 | 68 | 14.455 | 16.462 | 2.007 |
| 105 | 69 | 15.663 | 16.477 | 0.814 |
| | Max | 16.621 | 16.854 | 2.024 |
| | Average | 16.005 | 16.551 | 0.546 |
| | Min | 14.455 | 16.261 | 0.073 |
| | Std Dev | 0.439 | 0.136 | 0.411 |




| | 18.38_Res_PD_EN3/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 27 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.518 | 16.324 | 16.402 | 16.261 | 16.510 | 16.381 | 16.510 | 16.388 | 16.451 | 16.445 | 16.415 |
| Average | 16.571 | 16.575 | 16.476 | 16.378 | 16.654 | 16.539 | 16.602 | 16.641 | 16.530 | 16.612 | 16.491 |
| Max | 16.602 | 16.751 | 16.644 | 16.467 | 16.854 | 16.662 | 16.830 | 16.784 | 16.626 | 16.829 | 16.596 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

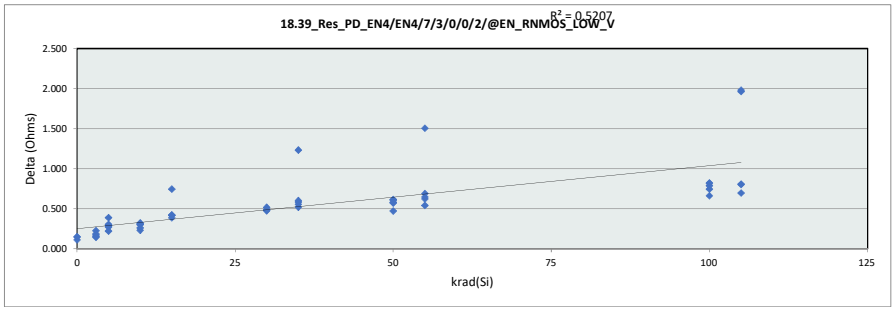


# TID HDR Report
# TPS7H3014-SP

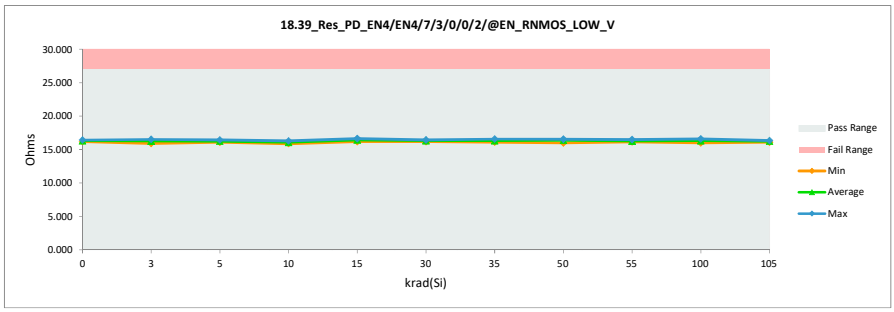
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.39_Res_PD_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.052 | 16.201 | 0.149 |
| 0 | 14 | 16.311 | 16.422 | 0.111 |
| 0 | 15 | 16.190 | 16.334 | 0.144 |
| 3 | 20 | 16.362 | 16.505 | 0.143 |
| 3 | 21 | 15.969 | 16.155 | 0.186 |
| 3 | 22 | 15.750 | 15.901 | 0.151 |
| 3 | 23 | 16.073 | 16.298 | 0.225 |
| 3 | 24 | 16.327 | 16.499 | 0.172 |
| 5 | 25 | 16.095 | 16.315 | 0.220 |
| 5 | 26 | 15.960 | 16.248 | 0.288 |
| 5 | 27 | 15.689 | 16.076 | 0.387 |
| 5 | 28 | 15.808 | 16.112 | 0.304 |
| 5 | 29 | 16.170 | 16.441 | 0.271 |
| 10 | 30 | 15.844 | 16.164 | 0.320 |
| 10 | 31 | 15.983 | 16.290 | 0.307 |
| 10 | 32 | 15.645 | 15.875 | 0.230 |
| 10 | 33 | 15.869 | 16.169 | 0.300 |
| 10 | 34 | 15.672 | 15.931 | 0.259 |
| 15 | 35 | 16.016 | 16.435 | 0.419 |
| 15 | 36 | 15.868 | 16.611 | 0.743 |
| 15 | 37 | 16.250 | 16.635 | 0.385 |
| 15 | 38 | 15.827 | 16.245 | 0.418 |
| 15 | 39 | 15.751 | 16.168 | 0.417 |
| 30 | 40 | 15.704 | 16.177 | 0.473 |
| 30 | 41 | 15.878 | 16.394 | 0.516 |
| 30 | 42 | 15.777 | 16.262 | 0.485 |
| 30 | 43 | 15.784 | 16.274 | 0.490 |
| 30 | 44 | 15.954 | 16.436 | 0.482 |
| 35 | 45 | 15.574 | 16.092 | 0.518 |
| 35 | 46 | 15.195 | 16.425 | 1.230 |
| 35 | 47 | 15.630 | 16.184 | 0.554 |
| 35 | 48 | 15.678 | 16.279 | 0.601 |
| 35 | 49 | 15.988 | 16.570 | 0.582 |
| 50 | 50 | 15.836 | 16.414 | 0.578 |
| 50 | 51 | 15.520 | 15.991 | 0.471 |
| 50 | 52 | 15.980 | 16.550 | 0.570 |
| 50 | 53 | 15.775 | 16.382 | 0.607 |
| 50 | 54 | 15.903 | 16.519 | 0.616 |
| 55 | 55 | 15.869 | 16.490 | 0.621 |
| 55 | 56 | 14.741 | 16.244 | 1.503 |
| 55 | 57 | 15.621 | 16.161 | 0.540 |
| 55 | 58 | 15.659 | 16.347 | 0.688 |
| 55 | 59 | 15.505 | 16.152 | 0.647 |
| 100 | 60 | 15.393 | 16.136 | 0.743 |
| 100 | 61 | 15.593 | 16.411 | 0.818 |
| 100 | 62 | 15.688 | 16.475 | 0.787 |
| 100 | 63 | 15.324 | 15.984 | 0.660 |
| 100 | 64 | 15.761 | 16.582 | 0.821 |
| 105 | 65 | 15.385 | 16.080 | 0.695 |
| 105 | 66 | 15.520 | 16.322 | 0.802 |
| 105 | 67 | 14.292 | 16.272 | 1.980 |
| 105 | 68 | 14.250 | 16.213 | 1.963 |
| 105 | 69 | 15.545 | 16.352 | 0.807 |
| | Max | 16.362 | 16.635 | 1.980 |
| | Average | 15.732 | 16.287 | 0.555 |
| | Min | 14.250 | 15.875 | 0.111 |
| | Std Dev | 0.414 | 0.186 | 0.391 |




| | 18.39_Res_PD_EN4/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.201 | 15.901 | 16.076 | 15.875 | 16.168 | 16.177 | 16.092 | 15.991 | 16.152 | 15.984 | 16.080 |
| Average | 16.319 | 16.272 | 16.238 | 16.086 | 16.419 | 16.309 | 16.310 | 16.371 | 16.279 | 16.318 | 16.248 |
| Max | 16.422 | 16.505 | 16.441 | 16.290 | 16.635 | 16.436 | 16.570 | 16.550 | 16.490 | 16.582 | 16.352 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

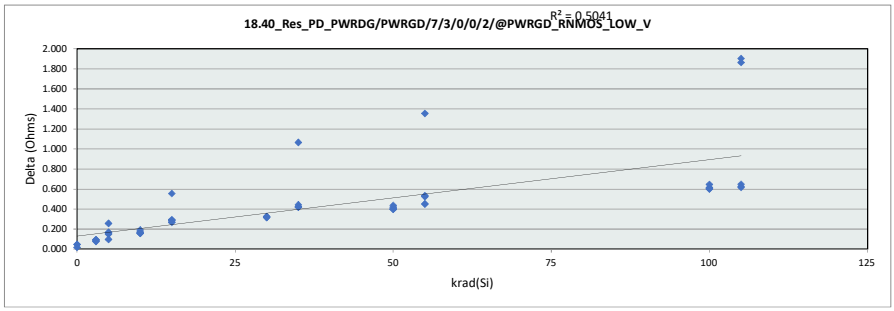


# TID HDR Report
# TPS7H3014-SP

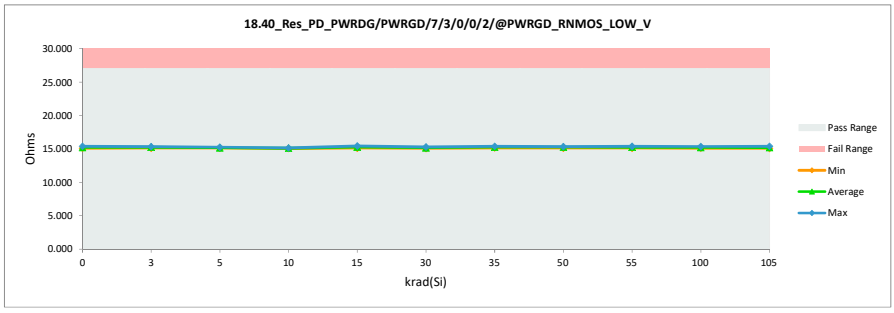
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.40_Res_PD_PWRDG/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.129 | 15.176 | 0.047 |
| 0 | 14 | 15.378 | 15.395 | 0.017 |
| 0 | 15 | 15.034 | 15.081 | 0.047 |
| 3 | 20 | 15.235 | 15.312 | 0.077 |
| 3 | 21 | 15.109 | 15.189 | 0.080 |
| 3 | 22 | 15.033 | 15.124 | 0.091 |
| 3 | 23 | 15.110 | 15.206 | 0.096 |
| 3 | 24 | 15.241 | 15.333 | 0.092 |
| 5 | 25 | 15.018 | 15.115 | 0.097 |
| 5 | 26 | 14.974 | 15.124 | 0.150 |
| 5 | 27 | 15.015 | 15.272 | 0.257 |
| 5 | 28 | 14.956 | 15.124 | 0.168 |
| 5 | 29 | 15.020 | 15.181 | 0.161 |
| 10 | 30 | 14.891 | 15.064 | 0.173 |
| 10 | 31 | 14.991 | 15.150 | 0.159 |
| 10 | 32 | 14.890 | 15.056 | 0.166 |
| 10 | 33 | 14.997 | 15.155 | 0.158 |
| 10 | 34 | 14.905 | 15.097 | 0.192 |
| 15 | 35 | 14.988 | 15.255 | 0.267 |
| 15 | 36 | 14.859 | 15.414 | 0.555 |
| 15 | 37 | 15.134 | 15.428 | 0.294 |
| 15 | 38 | 14.831 | 15.114 | 0.283 |
| 15 | 39 | 14.846 | 15.130 | 0.284 |
| 30 | 40 | 14.854 | 15.179 | 0.325 |
| 30 | 41 | 14.955 | 15.281 | 0.326 |
| 30 | 42 | 14.748 | 15.064 | 0.316 |
| 30 | 43 | 14.753 | 15.070 | 0.317 |
| 30 | 44 | 14.858 | 15.181 | 0.323 |
| 35 | 45 | 14.846 | 15.289 | 0.443 |
| 35 | 46 | 14.318 | 15.384 | 1.066 |
| 35 | 47 | 14.717 | 15.140 | 0.423 |
| 35 | 48 | 14.765 | 15.187 | 0.422 |
| 35 | 49 | 14.868 | 15.288 | 0.420 |
| 50 | 50 | 14.842 | 15.239 | 0.397 |
| 50 | 51 | 14.721 | 15.121 | 0.400 |
| 50 | 52 | 14.920 | 15.323 | 0.403 |
| 50 | 53 | 14.903 | 15.323 | 0.420 |
| 50 | 54 | 14.813 | 15.251 | 0.438 |
| 55 | 55 | 14.787 | 15.240 | 0.453 |
| 55 | 56 | 14.016 | 15.371 | 1.355 |
| 55 | 57 | 14.673 | 15.122 | 0.449 |
| 55 | 58 | 14.718 | 15.252 | 0.534 |
| 55 | 59 | 14.663 | 15.187 | 0.524 |
| 100 | 60 | 14.481 | 15.090 | 0.609 |
| 100 | 61 | 14.555 | 15.201 | 0.646 |
| 100 | 62 | 14.711 | 15.325 | 0.614 |
| 100 | 63 | 14.479 | 15.078 | 0.599 |
| 100 | 64 | 14.765 | 15.370 | 0.605 |
| 105 | 65 | 14.491 | 15.107 | 0.616 |
| 105 | 66 | 14.475 | 15.101 | 0.626 |
| 105 | 67 | 13.405 | 15.308 | 1.903 |
| 105 | 68 | 13.212 | 15.076 | 1.864 |
| 105 | 69 | 14.731 | 15.380 | 0.649 |
| | Max | 15.378 | 15.428 | 1.903 |
| | Average | 14.785 | 15.208 | 0.423 |
| | Min | 13.212 | 15.056 | 0.017 |
| | Std Dev | 0.379 | 0.108 | 0.385 |




| | 18.40_Res_PD_PWRDG | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.081 | 15.124 | 15.115 | 15.056 | 15.114 | 15.064 | 15.140 | 15.121 | 15.122 | 15.078 | 15.076 |
| Average | 15.217 | 15.233 | 15.163 | 15.104 | 15.268 | 15.155 | 15.258 | 15.251 | 15.234 | 15.213 | 15.194 |
| Max | 15.395 | 15.333 | 15.272 | 15.155 | 15.428 | 15.281 | 15.384 | 15.323 | 15.371 | 15.370 | 15.380 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

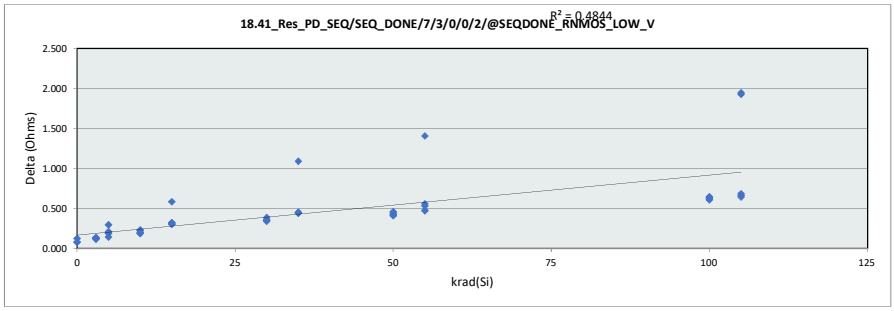


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

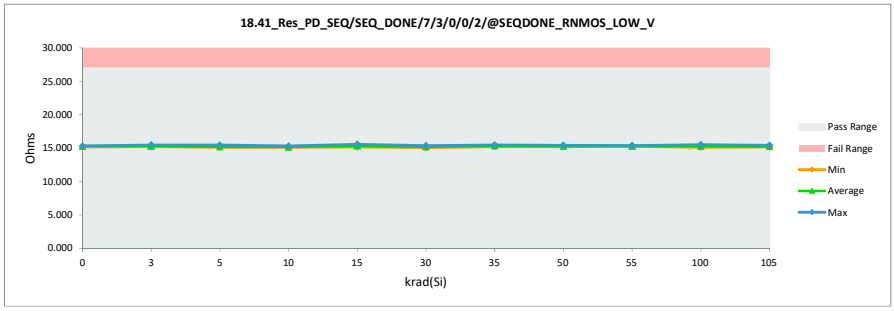
| | 18.41_Res_PD_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.222 | 15.347 | 0.125 |
| 0 | 14 | 15.219 | 15.297 | 0.078 |
| 0 | 15 | 15.122 | 15.203 | 0.081 |
| 3 | 20 | 15.353 | 15.493 | 0.140 |
| 3 | 21 | 15.141 | 15.271 | 0.130 |
| 3 | 22 | 15.114 | 15.229 | 0.115 |
| 3 | 23 | 15.167 | 15.295 | 0.128 |
| 3 | 24 | 15.249 | 15.380 | 0.131 |
| 5 | 25 | 15.026 | 15.170 | 0.144 |
| 5 | 26 | 14.964 | 15.154 | 0.190 |
| 5 | 27 | 15.172 | 15.468 | 0.296 |
| 5 | 28 | 14.971 | 15.163 | 0.192 |
| 5 | 29 | 15.009 | 15.220 | 0.211 |
| 10 | 30 | 14.922 | 15.148 | 0.226 |
| 10 | 31 | 14.970 | 15.161 | 0.191 |
| 10 | 32 | 15.018 | 15.207 | 0.189 |
| 10 | 33 | 15.148 | 15.351 | 0.203 |
| 10 | 34 | 14.957 | 15.188 | 0.231 |
| 15 | 35 | 15.070 | 15.375 | 0.305 |
| 15 | 36 | 14.776 | 15.361 | 0.585 |
| 15 | 37 | 15.273 | 15.595 | 0.322 |
| 15 | 38 | 14.964 | 15.285 | 0.321 |
| 15 | 39 | 14.867 | 15.172 | 0.305 |
| 30 | 40 | 14.973 | 15.360 | 0.387 |
| 30 | 41 | 14.969 | 15.310 | 0.341 |
| 30 | 42 | 14.719 | 15.075 | 0.356 |
| 30 | 43 | 14.797 | 15.149 | 0.352 |
| 30 | 44 | 14.893 | 15.257 | 0.364 |
| 35 | 45 | 14.962 | 15.413 | 0.451 |
| 35 | 46 | 14.408 | 15.498 | 1.090 |
| 35 | 47 | 14.841 | 15.282 | 0.441 |
| 35 | 48 | 14.788 | 15.240 | 0.452 |
| 35 | 49 | 14.980 | 15.425 | 0.445 |
| 50 | 50 | 14.895 | 15.303 | 0.408 |
| 50 | 51 | 14.874 | 15.297 | 0.423 |
| 50 | 52 | 15.008 | 15.444 | 0.436 |
| 50 | 53 | 14.882 | 15.337 | 0.455 |
| 50 | 54 | 14.777 | 15.237 | 0.460 |
| 55 | 55 | 14.858 | 15.328 | 0.470 |
| 55 | 56 | 13.981 | 15.386 | 1.405 |
| 55 | 57 | 14.778 | 15.255 | 0.477 |
| 55 | 58 | 14.766 | 15.326 | 0.560 |
| 55 | 59 | 14.772 | 15.305 | 0.533 |
| 100 | 60 | 14.494 | 15.142 | 0.648 |
| 100 | 61 | 14.556 | 15.197 | 0.641 |
| 100 | 62 | 14.853 | 15.473 | 0.620 |
| 100 | 63 | 14.600 | 15.225 | 0.625 |
| 100 | 64 | 14.930 | 15.537 | 0.607 |
| 105 | 65 | 14.566 | 15.209 | 0.643 |
| 105 | 66 | 14.525 | 15.208 | 0.683 |
| 105 | 67 | 13.490 | 15.436 | 1.946 |
| 105 | 68 | 13.238 | 15.167 | 1.929 |
| 105 | 69 | 14.713 | 15.374 | 0.661 |
| | Max | 15.353 | 15.595 | 1.946 |
| | Average | 14.841 | 15.297 | 0.456 |
| | Min | 13.238 | 15.075 | 0.078 |
| | Std Dev | 0.383 | 0.116 | 0.385 |




| | 18.41_Res_PD_SEQ/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 27 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.203 | 15.229 | 15.154 | 15.148 | 15.172 | 15.075 | 15.240 | 15.237 | 15.255 | 15.142 | 15.167 |
| Average | 15.282 | 15.334 | 15.235 | 15.211 | 15.358 | 15.230 | 15.372 | 15.324 | 15.320 | 15.315 | 15.279 |
| Max | 15.347 | 15.493 | 15.468 | 15.351 | 15.595 | 15.360 | 15.498 | 15.444 | 15.386 | 15.537 | 15.436 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

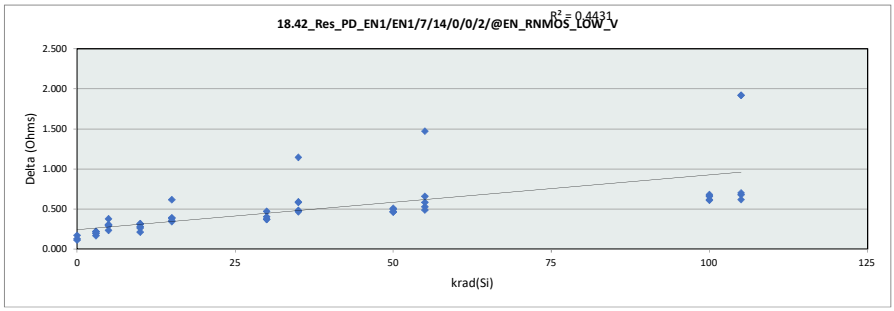


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

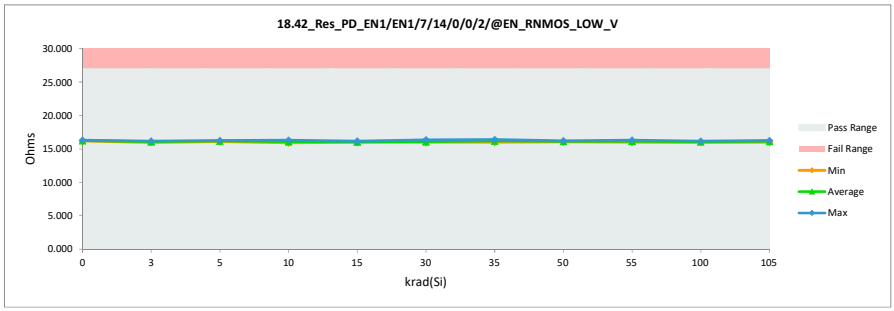
| | 18.42_Res_PD_EN1/EN1 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 16.199 | 16.310 | 0.111 |
| 0 | 14 | 16.074 | 16.202 | 0.128 |
| 0 | 15 | 16.058 | 16.230 | 0.172 |
| 3 | 20 | 15.775 | 15.942 | 0.167 |
| 3 | 21 | 15.928 | 16.122 | 0.194 |
| 3 | 22 | 15.890 | 16.111 | 0.221 |
| 3 | 23 | 15.965 | 16.181 | 0.216 |
| 3 | 24 | 15.807 | 16.004 | 0.197 |
| 5 | 25 | 15.948 | 16.183 | 0.235 |
| 5 | 26 | 15.968 | 16.259 | 0.291 |
| 5 | 27 | 15.699 | 16.076 | 0.377 |
| 5 | 28 | 15.881 | 16.183 | 0.302 |
| 5 | 29 | 15.876 | 16.179 | 0.303 |
| 10 | 30 | 15.966 | 16.282 | 0.316 |
| 10 | 31 | 15.763 | 16.026 | 0.263 |
| 10 | 32 | 15.671 | 15.882 | 0.211 |
| 10 | 33 | 15.948 | 16.260 | 0.312 |
| 10 | 34 | 15.731 | 16.011 | 0.280 |
| 15 | 35 | 15.764 | 16.144 | 0.380 |
| 15 | 36 | 15.439 | 16.055 | 0.616 |
| 15 | 37 | 15.646 | 16.003 | 0.357 |
| 15 | 38 | 15.620 | 15.963 | 0.343 |
| 15 | 39 | 15.735 | 16.127 | 0.392 |
| 30 | 40 | 15.604 | 15.976 | 0.372 |
| 30 | 41 | 15.607 | 16.011 | 0.404 |
| 30 | 42 | 15.638 | 16.010 | 0.372 |
| 30 | 43 | 15.614 | 15.985 | 0.371 |
| 30 | 44 | 15.868 | 16.338 | 0.470 |
| 35 | 45 | 15.678 | 16.261 | 0.583 |
| 35 | 46 | 15.006 | 16.150 | 1.144 |
| 35 | 47 | 15.544 | 16.026 | 0.482 |
| 35 | 48 | 15.822 | 16.410 | 0.588 |
| 35 | 49 | 15.516 | 15.983 | 0.467 |
| 50 | 50 | 15.615 | 16.079 | 0.464 |
| 50 | 51 | 15.647 | 16.146 | 0.499 |
| 50 | 52 | 15.668 | 16.128 | 0.460 |
| 50 | 53 | 15.676 | 16.186 | 0.510 |
| 50 | 54 | 15.554 | 16.021 | 0.467 |
| 55 | 55 | 15.575 | 16.103 | 0.528 |
| 55 | 56 | 14.763 | 16.233 | 1.470 |
| 55 | 57 | 15.492 | 15.979 | 0.487 |
| 55 | 58 | 15.654 | 16.312 | 0.658 |
| 55 | 59 | 15.528 | 16.110 | 0.582 |
| 100 | 60 | 15.488 | 16.168 | 0.680 |
| 100 | 61 | 15.397 | 16.054 | 0.657 |
| 100 | 62 | 15.395 | 16.010 | 0.615 |
| 100 | 63 | 15.342 | 15.952 | 0.610 |
| 100 | 64 | 15.493 | 16.162 | 0.669 |
| 105 | 65 | 15.358 | 15.976 | 0.618 |
| 105 | 66 | 15.452 | 16.130 | 0.678 |
| 105 | 67 | 14.241 | 16.160 | 1.919 |
| 105 | 68 | 14.330 | 16.249 | 1.919 |
| 105 | 69 | 15.483 | 16.184 | 0.701 |
| | Max | 16.199 | 16.410 | 1.919 |
| | Average | 15.611 | 16.117 | 0.506 |
| | Min | 14.241 | 15.882 | 0.111 |
| | Std Dev | 0.365 | 0.118 | 0.369 |




| | 18.42_Res_PD_EN1/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 27 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 16.202 | 15.942 | 16.076 | 15.882 | 15.963 | 15.976 | 15.983 | 16.021 | 15.979 | 15.952 | 15.976 |
| Average | 16.247 | 16.072 | 16.176 | 16.092 | 16.058 | 16.064 | 16.166 | 16.112 | 16.147 | 16.069 | 16.140 |
| Max | 16.310 | 16.181 | 16.259 | 16.282 | 16.144 | 16.338 | 16.410 | 16.186 | 16.312 | 16.168 | 16.249 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

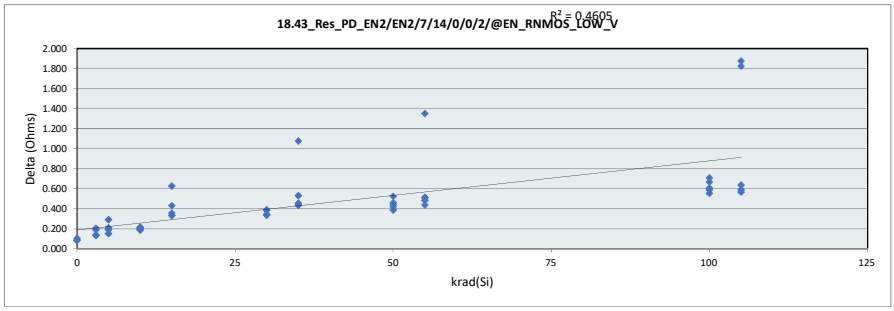


# TID HDR Report
# TPS7H3014-SP

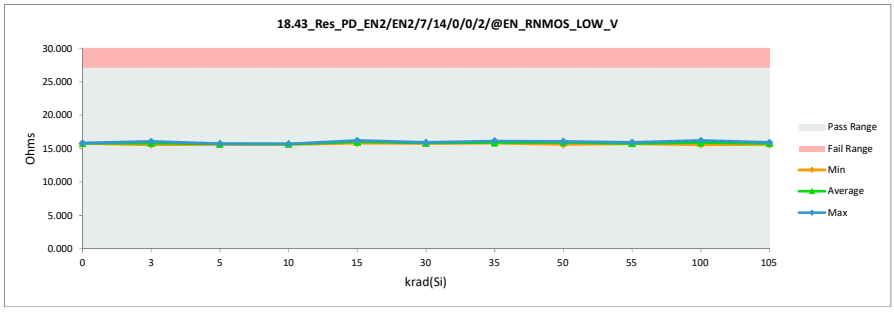
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.43_Res_PD_EN2/EN2 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.700 | 15.782 | 0.082 |
| 0 | 14 | 15.733 | 15.821 | 0.088 |
| 0 | 15 | 15.639 | 15.745 | 0.106 |
| 3 | 20 | 15.867 | 16.057 | 0.190 |
| 3 | 21 | 15.627 | 15.760 | 0.133 |
| 3 | 22 | 15.437 | 15.570 | 0.133 |
| 3 | 23 | 15.570 | 15.710 | 0.140 |
| 3 | 24 | 15.802 | 16.007 | 0.205 |
| 5 | 25 | 15.531 | 15.682 | 0.151 |
| 5 | 26 | 15.498 | 15.692 | 0.194 |
| 5 | 27 | 15.436 | 15.727 | 0.291 |
| 5 | 28 | 15.425 | 15.635 | 0.210 |
| 5 | 29 | 15.540 | 15.732 | 0.192 |
| 10 | 30 | 15.505 | 15.698 | 0.193 |
| 10 | 31 | 15.500 | 15.691 | 0.191 |
| 10 | 32 | 15.467 | 15.656 | 0.189 |
| 10 | 33 | 15.457 | 15.665 | 0.208 |
| 10 | 34 | 15.419 | 15.635 | 0.216 |
| 15 | 35 | 15.681 | 16.037 | 0.356 |
| 15 | 36 | 15.340 | 15.967 | 0.627 |
| 15 | 37 | 15.770 | 16.201 | 0.431 |
| 15 | 38 | 15.542 | 15.874 | 0.332 |
| 15 | 39 | 15.464 | 15.796 | 0.332 |
| 30 | 40 | 15.411 | 15.751 | 0.340 |
| 30 | 41 | 15.518 | 15.907 | 0.389 |
| 30 | 42 | 15.403 | 15.738 | 0.335 |
| 30 | 43 | 15.505 | 15.849 | 0.344 |
| 30 | 44 | 15.535 | 15.918 | 0.383 |
| 35 | 45 | 15.332 | 15.786 | 0.454 |
| 35 | 46 | 14.808 | 15.884 | 1.076 |
| 35 | 47 | 15.377 | 15.812 | 0.435 |
| 35 | 48 | 15.373 | 15.811 | 0.438 |
| 35 | 49 | 15.603 | 16.133 | 0.530 |
| 50 | 50 | 15.515 | 15.936 | 0.421 |
| 50 | 51 | 15.210 | 15.598 | 0.388 |
| 50 | 52 | 15.580 | 16.025 | 0.445 |
| 50 | 53 | 15.503 | 15.962 | 0.459 |
| 50 | 54 | 15.534 | 16.056 | 0.522 |
| 55 | 55 | 15.437 | 15.920 | 0.483 |
| 55 | 56 | 14.371 | 15.722 | 1.351 |
| 55 | 57 | 15.264 | 15.702 | 0.438 |
| 55 | 58 | 15.285 | 15.797 | 0.512 |
| 55 | 59 | 15.245 | 15.756 | 0.511 |
| 100 | 60 | 15.083 | 15.672 | 0.589 |
| 100 | 61 | 15.215 | 15.822 | 0.607 |
| 100 | 62 | 15.453 | 16.120 | 0.667 |
| 100 | 63 | 15.027 | 15.580 | 0.553 |
| 100 | 64 | 15.500 | 16.209 | 0.709 |
| 105 | 65 | 15.028 | 15.594 | 0.566 |
| 105 | 66 | 15.277 | 15.913 | 0.636 |
| 105 | 67 | 13.864 | 15.689 | 1.825 |
| 105 | 68 | 14.027 | 15.903 | 1.876 |
| 105 | 69 | 15.124 | 15.714 | 0.590 |
| | Max | 15.867 | 16.209 | 1.876 |
| | Average | 15.365 | 15.819 | 0.454 |
| | Min | 13.864 | 15.570 | 0.082 |
| | Std Dev | 0.377 | 0.162 | 0.365 |




| | 18.43_Res_PD_EN2/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.745 | 15.570 | 15.635 | 15.635 | 15.796 | 15.738 | 15.786 | 15.598 | 15.702 | 15.580 | 15.594 |
| Average | 15.783 | 15.821 | 15.694 | 15.669 | 15.975 | 15.833 | 15.885 | 15.915 | 15.779 | 15.881 | 15.763 |
| Max | 15.821 | 16.057 | 15.732 | 15.698 | 16.201 | 15.918 | 16.133 | 16.056 | 15.920 | 16.209 | 15.913 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

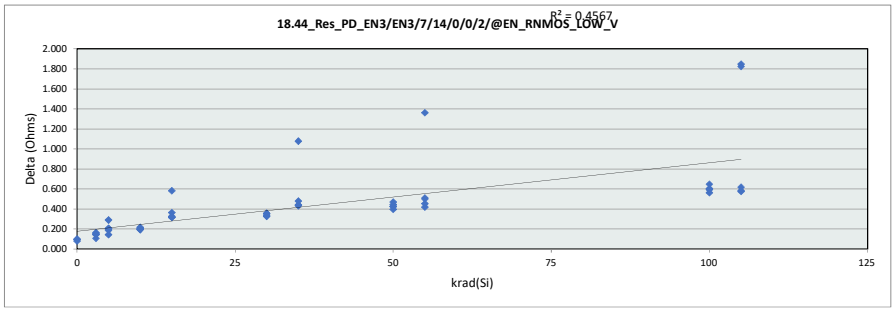


# TID HDR Report
# TPS7H3014-SP

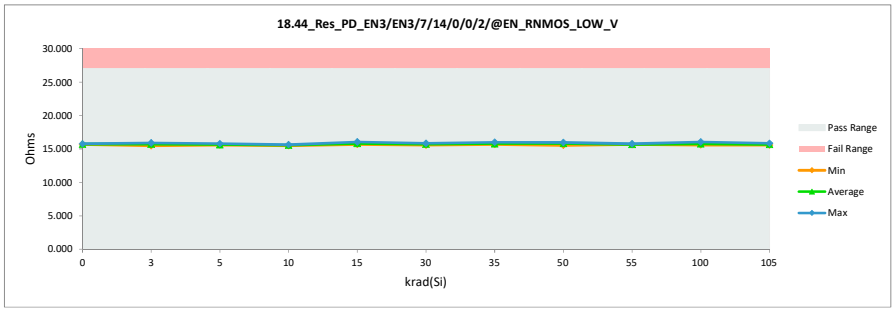
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.44_Res_PD_EN3/EN3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.576 | 15.656 | 0.080 |
| 0 | 14 | 15.643 | 15.740 | 0.097 |
| 0 | 15 | 15.656 | 15.756 | 0.100 |
| 3 | 20 | 15.716 | 15.871 | 0.155 |
| 3 | 21 | 15.538 | 15.646 | 0.108 |
| 3 | 22 | 15.341 | 15.488 | 0.147 |
| 3 | 23 | 15.580 | 15.723 | 0.143 |
| 3 | 24 | 15.706 | 15.869 | 0.163 |
| 5 | 25 | 15.508 | 15.652 | 0.144 |
| 5 | 26 | 15.400 | 15.587 | 0.187 |
| 5 | 27 | 15.296 | 15.587 | 0.291 |
| 5 | 28 | 15.398 | 15.599 | 0.201 |
| 5 | 29 | 15.566 | 15.774 | 0.208 |
| 10 | 30 | 15.412 | 15.616 | 0.204 |
| 10 | 31 | 15.439 | 15.635 | 0.196 |
| 10 | 32 | 15.289 | 15.488 | 0.199 |
| 10 | 33 | 15.400 | 15.594 | 0.194 |
| 10 | 34 | 15.264 | 15.481 | 0.217 |
| 15 | 35 | 15.549 | 15.875 | 0.326 |
| 15 | 36 | 15.223 | 15.805 | 0.582 |
| 15 | 37 | 15.669 | 16.033 | 0.364 |
| 15 | 38 | 15.369 | 15.685 | 0.316 |
| 15 | 39 | 15.395 | 15.711 | 0.316 |
| 30 | 40 | 15.333 | 15.684 | 0.351 |
| 30 | 41 | 15.413 | 15.770 | 0.357 |
| 30 | 42 | 15.231 | 15.558 | 0.327 |
| 30 | 43 | 15.341 | 15.673 | 0.332 |
| 30 | 44 | 15.483 | 15.838 | 0.355 |
| 35 | 45 | 15.239 | 15.671 | 0.432 |
| 35 | 46 | 14.691 | 15.769 | 1.078 |
| 35 | 47 | 15.254 | 15.694 | 0.440 |
| 35 | 48 | 15.301 | 15.739 | 0.438 |
| 35 | 49 | 15.509 | 15.988 | 0.479 |
| 50 | 50 | 15.356 | 15.782 | 0.426 |
| 50 | 51 | 15.147 | 15.543 | 0.396 |
| 50 | 52 | 15.454 | 15.879 | 0.425 |
| 50 | 53 | 15.412 | 15.855 | 0.443 |
| 50 | 54 | 15.480 | 15.950 | 0.470 |
| 55 | 55 | 15.311 | 15.765 | 0.454 |
| 55 | 56 | 14.294 | 15.656 | 1.362 |
| 55 | 57 | 15.208 | 15.627 | 0.419 |
| 55 | 58 | 15.177 | 15.688 | 0.511 |
| 55 | 59 | 15.134 | 15.634 | 0.500 |
| 100 | 60 | 15.002 | 15.595 | 0.593 |
| 100 | 61 | 15.104 | 15.703 | 0.599 |
| 100 | 62 | 15.303 | 15.907 | 0.604 |
| 100 | 63 | 15.062 | 15.624 | 0.562 |
| 100 | 64 | 15.374 | 16.022 | 0.648 |
| 105 | 65 | 14.975 | 15.559 | 0.584 |
| 105 | 66 | 15.207 | 15.825 | 0.618 |
| 105 | 67 | 13.809 | 15.656 | 1.847 |
| 105 | 68 | 13.831 | 15.655 | 1.824 |
| 105 | 69 | 15.007 | 15.582 | 0.575 |
| | Max | 15.716 | 16.033 | 1.847 |
| | Average | 15.271 | 15.712 | 0.441 |
| | Min | 13.809 | 15.481 | 0.080 |
| | Std Dev | 0.381 | 0.134 | 0.363 |




| | 18.44_Res_PD_EN3/EN | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.656 | 15.488 | 15.587 | 15.481 | 15.685 | 15.558 | 15.671 | 15.543 | 15.627 | 15.595 | 15.559 |
| Average | 15.717 | 15.719 | 15.640 | 15.563 | 15.822 | 15.705 | 15.772 | 15.802 | 15.674 | 15.770 | 15.655 |
| Max | 15.756 | 15.871 | 15.774 | 15.635 | 16.033 | 15.838 | 15.988 | 15.950 | 15.765 | 16.022 | 15.825 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

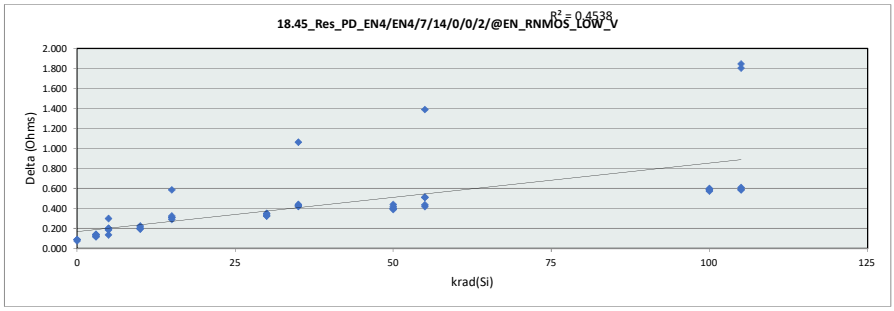


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

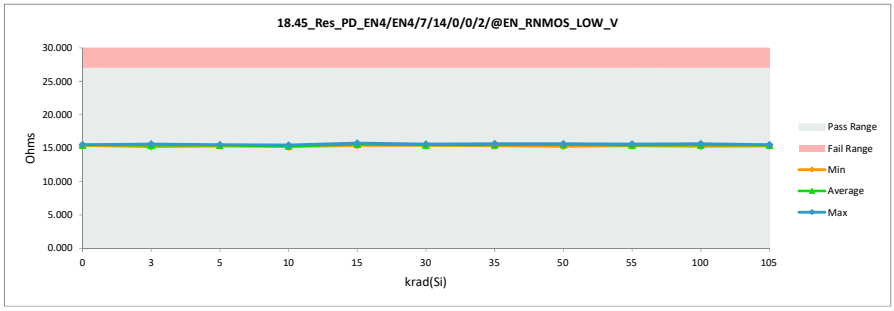
| | 18.45_Res_PD_EN4/EN4 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 15.323 | 15.410 | 0.087 |
| 0 | 14 | 15.476 | 15.550 | 0.074 |
| 0 | 15 | 15.415 | 15.504 | 0.089 |
| 3 | 20 | 15.519 | 15.641 | 0.122 |
| 3 | 21 | 15.270 | 15.386 | 0.116 |
| 3 | 22 | 15.064 | 15.201 | 0.137 |
| 3 | 23 | 15.324 | 15.465 | 0.141 |
| 3 | 24 | 15.471 | 15.605 | 0.134 |
| 5 | 25 | 15.354 | 15.489 | 0.135 |
| 5 | 26 | 15.238 | 15.423 | 0.185 |
| 5 | 27 | 15.036 | 15.335 | 0.299 |
| 5 | 28 | 15.178 | 15.379 | 0.201 |
| 5 | 29 | 15.357 | 15.555 | 0.198 |
| 10 | 30 | 15.181 | 15.383 | 0.202 |
| 10 | 31 | 15.283 | 15.477 | 0.194 |
| 10 | 32 | 15.009 | 15.209 | 0.200 |
| 10 | 33 | 15.177 | 15.378 | 0.201 |
| 10 | 34 | 15.023 | 15.247 | 0.224 |
| 15 | 35 | 15.284 | 15.572 | 0.288 |
| 15 | 36 | 15.137 | 15.723 | 0.586 |
| 15 | 37 | 15.431 | 15.755 | 0.324 |
| 15 | 38 | 15.144 | 15.450 | 0.306 |
| 15 | 39 | 15.115 | 15.426 | 0.311 |
| 30 | 40 | 15.056 | 15.404 | 0.348 |
| 30 | 41 | 15.178 | 15.529 | 0.351 |
| 30 | 42 | 15.116 | 15.450 | 0.334 |
| 30 | 43 | 15.152 | 15.475 | 0.323 |
| 30 | 44 | 15.283 | 15.610 | 0.327 |
| 35 | 45 | 14.909 | 15.341 | 0.432 |
| 35 | 46 | 14.518 | 15.580 | 1.062 |
| 35 | 47 | 14.991 | 15.410 | 0.419 |
| 35 | 48 | 15.073 | 15.502 | 0.429 |
| 35 | 49 | 15.262 | 15.702 | 0.440 |
| 50 | 50 | 15.168 | 15.556 | 0.388 |
| 50 | 51 | 14.865 | 15.267 | 0.402 |
| 50 | 52 | 15.277 | 15.673 | 0.396 |
| 50 | 53 | 15.139 | 15.559 | 0.420 |
| 50 | 54 | 15.215 | 15.656 | 0.441 |
| 55 | 55 | 15.187 | 15.622 | 0.435 |
| 55 | 56 | 14.011 | 15.399 | 1.388 |
| 55 | 57 | 14.992 | 15.409 | 0.417 |
| 55 | 58 | 14.988 | 15.500 | 0.512 |
| 55 | 59 | 14.877 | 15.386 | 0.509 |
| 100 | 60 | 14.770 | 15.357 | 0.587 |
| 100 | 61 | 14.938 | 15.537 | 0.599 |
| 100 | 62 | 15.047 | 15.639 | 0.592 |
| 100 | 63 | 14.670 | 15.256 | 0.586 |
| 100 | 64 | 15.131 | 15.703 | 0.572 |
| 105 | 65 | 14.732 | 15.319 | 0.587 |
| 105 | 66 | 14.948 | 15.556 | 0.608 |
| 105 | 67 | 13.625 | 15.470 | 1.845 |
| 105 | 68 | 13.642 | 15.444 | 1.802 |
| 105 | 69 | 14.863 | 15.449 | 0.586 |
| | Max | 15.519 | 15.755 | 1.845 |
| | Average | 15.046 | 15.478 | 0.432 |
| | Min | 13.625 | 15.201 | 0.074 |
| | Std Dev | 0.381 | 0.134 | 0.364 |




| | 18.45_Res_PD_EN4/EN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 27 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 15.410 | 15.201 | 15.335 | 15.209 | 15.426 | 15.404 | 15.341 | 15.267 | 15.386 | 15.256 | 15.319 |
| Average | 15.488 | 15.460 | 15.436 | 15.339 | 15.585 | 15.494 | 15.507 | 15.542 | 15.463 | 15.498 | 15.448 |
| Max | 15.550 | 15.641 | 15.555 | 15.477 | 15.755 | 15.610 | 15.702 | 15.673 | 15.622 | 15.703 | 15.556 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

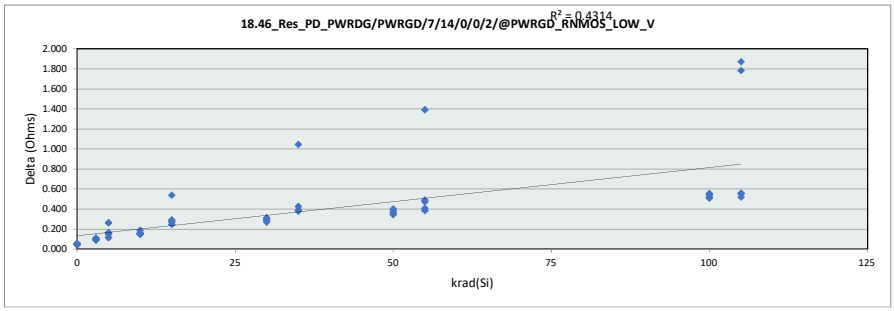


# TID HDR Report
# TPS7H3014-SP

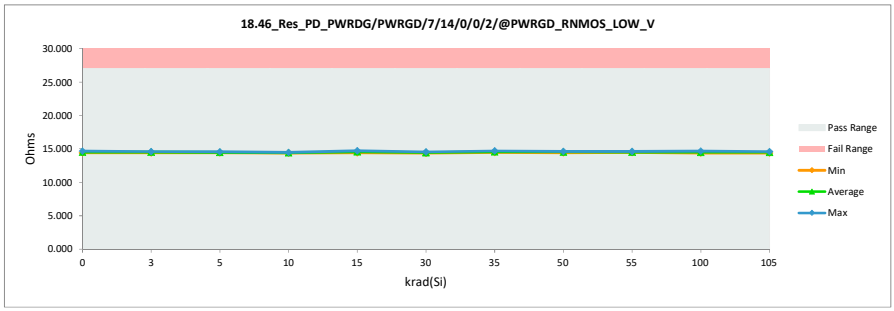
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.46_Res_PD_PWRDG/ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 14.430 | 14.478 | 0.048 |
| 0 | 14 | 14.618 | 14.675 | 0.057 |
| 0 | 15 | 14.349 | 14.391 | 0.042 |
| 3 | 20 | 14.499 | 14.597 | 0.098 |
| 3 | 21 | 14.412 | 14.501 | 0.089 |
| 3 | 22 | 14.303 | 14.408 | 0.105 |
| 3 | 23 | 14.378 | 14.490 | 0.112 |
| 3 | 24 | 14.481 | 14.580 | 0.099 |
| 5 | 25 | 14.304 | 14.418 | 0.114 |
| 5 | 26 | 14.257 | 14.408 | 0.151 |
| 5 | 27 | 14.295 | 14.558 | 0.263 |
| 5 | 28 | 14.289 | 14.455 | 0.166 |
| 5 | 29 | 14.296 | 14.456 | 0.160 |
| 10 | 30 | 14.221 | 14.376 | 0.155 |
| 10 | 31 | 14.305 | 14.465 | 0.160 |
| 10 | 32 | 14.216 | 14.369 | 0.153 |
| 10 | 33 | 14.289 | 14.436 | 0.147 |
| 10 | 34 | 14.219 | 14.405 | 0.186 |
| 15 | 35 | 14.280 | 14.527 | 0.247 |
| 15 | 36 | 14.144 | 14.683 | 0.539 |
| 15 | 37 | 14.414 | 14.706 | 0.292 |
| 15 | 38 | 14.151 | 14.430 | 0.279 |
| 15 | 39 | 14.199 | 14.470 | 0.271 |
| 30 | 40 | 14.197 | 14.491 | 0.294 |
| 30 | 41 | 14.223 | 14.534 | 0.311 |
| 30 | 42 | 14.072 | 14.356 | 0.284 |
| 30 | 43 | 14.107 | 14.376 | 0.269 |
| 30 | 44 | 14.192 | 14.504 | 0.312 |
| 35 | 45 | 14.148 | 14.574 | 0.426 |
| 35 | 46 | 13.643 | 14.689 | 1.046 |
| 35 | 47 | 14.069 | 14.447 | 0.378 |
| 35 | 48 | 14.146 | 14.538 | 0.392 |
| 35 | 49 | 14.175 | 14.558 | 0.383 |
| 50 | 50 | 14.168 | 14.512 | 0.344 |
| 50 | 51 | 14.055 | 14.419 | 0.364 |
| 50 | 52 | 14.243 | 14.593 | 0.350 |
| 50 | 53 | 14.241 | 14.627 | 0.386 |
| 50 | 54 | 14.125 | 14.527 | 0.402 |
| 55 | 55 | 14.111 | 14.518 | 0.407 |
| 55 | 56 | 13.226 | 14.617 | 1.391 |
| 55 | 57 | 14.056 | 14.439 | 0.383 |
| 55 | 58 | 14.039 | 14.528 | 0.489 |
| 55 | 59 | 14.015 | 14.486 | 0.471 |
| 100 | 60 | 13.851 | 14.372 | 0.521 |
| 100 | 61 | 13.901 | 14.455 | 0.554 |
| 100 | 62 | 14.077 | 14.616 | 0.539 |
| 100 | 63 | 13.856 | 14.365 | 0.509 |
| 100 | 64 | 14.114 | 14.667 | 0.553 |
| 105 | 65 | 13.852 | 14.371 | 0.519 |
| 105 | 66 | 13.911 | 14.470 | 0.559 |
| 105 | 67 | 12.729 | 14.600 | 1.871 |
| 105 | 68 | 12.620 | 14.403 | 1.783 |
| 105 | 69 | 14.054 | 14.605 | 0.551 |
| | Max | 14.618 | 14.706 | 1.871 |
| | Average | 14.105 | 14.501 | 0.396 |
| | Min | 12.620 | 14.356 | 0.042 |
| | Std Dev | 0.362 | 0.096 | 0.372 |




| | 18.46_Res_PD_PWRDG | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 14.391 | 14.408 | 14.408 | 14.369 | 14.430 | 14.356 | 14.447 | 14.419 | 14.439 | 14.365 | 14.371 |
| Average | 14.515 | 14.515 | 14.459 | 14.410 | 14.563 | 14.452 | 14.561 | 14.536 | 14.518 | 14.495 | 14.490 |
| Max | 14.675 | 14.597 | 14.558 | 14.465 | 14.706 | 14.534 | 14.689 | 14.627 | 14.617 | 14.667 | 14.605 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

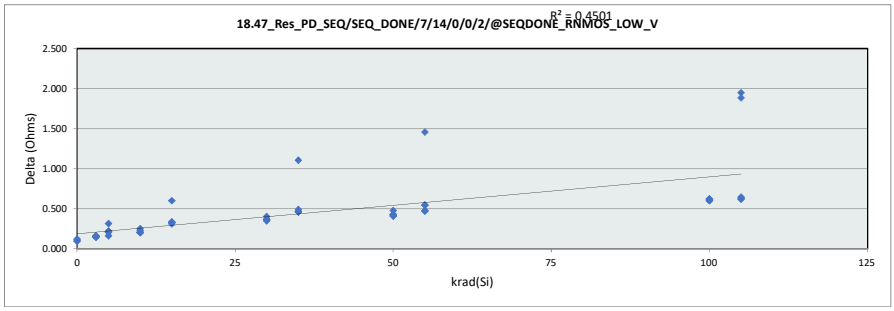


# TID HDR Report
# TPS7H3014-SP

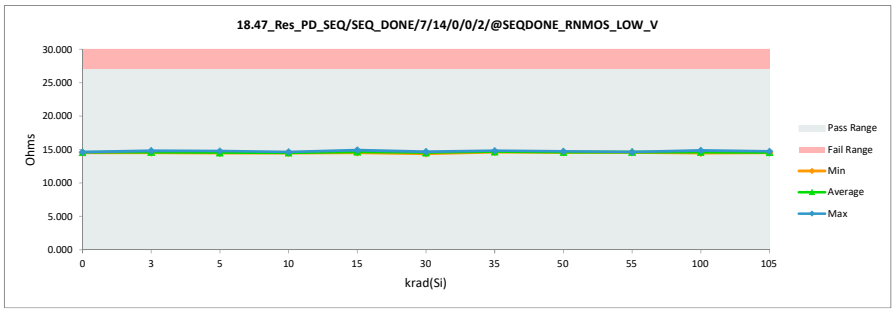
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.47_Res_PD_SEQ/SEQ | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 28 | 27 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 14.524 | 14.644 | 0.120 |
| 0 | 14 | 14.514 | 14.612 | 0.098 |
| 0 | 15 | 14.442 | 14.536 | 0.094 |
| 3 | 20 | 14.645 | 14.794 | 0.149 |
| 3 | 21 | 14.462 | 14.602 | 0.140 |
| 3 | 22 | 14.366 | 14.527 | 0.161 |
| 3 | 23 | 14.449 | 14.603 | 0.154 |
| 3 | 24 | 14.509 | 14.658 | 0.149 |
| 5 | 25 | 14.321 | 14.481 | 0.160 |
| 5 | 26 | 14.254 | 14.469 | 0.215 |
| 5 | 27 | 14.462 | 14.775 | 0.313 |
| 5 | 28 | 14.309 | 14.514 | 0.205 |
| 5 | 29 | 14.304 | 14.520 | 0.216 |
| 10 | 30 | 14.250 | 14.477 | 0.227 |
| 10 | 31 | 14.283 | 14.483 | 0.200 |
| 10 | 32 | 14.324 | 14.527 | 0.203 |
| 10 | 33 | 14.447 | 14.650 | 0.203 |
| 10 | 34 | 14.258 | 14.507 | 0.249 |
| 15 | 35 | 14.360 | 14.670 | 0.310 |
| 15 | 36 | 14.065 | 14.665 | 0.600 |
| 15 | 37 | 14.565 | 14.897 | 0.332 |
| 15 | 38 | 14.266 | 14.598 | 0.332 |
| 15 | 39 | 14.198 | 14.525 | 0.327 |
| 30 | 40 | 14.289 | 14.690 | 0.401 |
| 30 | 41 | 14.238 | 14.605 | 0.367 |
| 30 | 42 | 14.041 | 14.389 | 0.348 |
| 30 | 43 | 14.126 | 14.480 | 0.354 |
| 30 | 44 | 14.226 | 14.590 | 0.364 |
| 35 | 45 | 14.228 | 14.717 | 0.489 |
| 35 | 46 | 13.716 | 14.821 | 1.105 |
| 35 | 47 | 14.148 | 14.610 | 0.462 |
| 35 | 48 | 14.139 | 14.604 | 0.465 |
| 35 | 49 | 14.276 | 14.734 | 0.458 |
| 50 | 50 | 14.188 | 14.602 | 0.414 |
| 50 | 51 | 14.174 | 14.601 | 0.427 |
| 50 | 52 | 14.330 | 14.735 | 0.405 |
| 50 | 53 | 14.236 | 14.662 | 0.426 |
| 50 | 54 | 14.089 | 14.565 | 0.476 |
| 55 | 55 | 14.165 | 14.635 | 0.470 |
| 55 | 56 | 13.187 | 14.643 | 1.456 |
| 55 | 57 | 14.116 | 14.590 | 0.474 |
| 55 | 58 | 14.078 | 14.624 | 0.546 |
| 55 | 59 | 14.088 | 14.631 | 0.543 |
| 100 | 60 | 13.836 | 14.456 | 0.620 |
| 100 | 61 | 13.885 | 14.504 | 0.619 |
| 100 | 62 | 14.192 | 14.793 | 0.601 |
| 100 | 63 | 13.914 | 14.531 | 0.617 |
| 100 | 64 | 14.254 | 14.853 | 0.599 |
| 105 | 65 | 13.895 | 14.512 | 0.617 |
| 105 | 66 | 13.934 | 14.578 | 0.644 |
| 105 | 67 | 12.786 | 14.734 | 1.948 |
| 105 | 68 | 12.645 | 14.527 | 1.882 |
| 105 | 69 | 14.001 | 14.625 | 0.624 |
| | Max | 14.645 | 14.897 | 1.948 |
| | Average | 14.151 | 14.611 | 0.460 |
| | Min | 12.645 | 14.389 | 0.094 |
| | Std Dev | 0.374 | 0.109 | 0.379 |




| | 18.47_Res_PD_SEQ/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 27 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 14.536 | 14.527 | 14.469 | 14.477 | 14.525 | 14.389 | 14.604 | 14.565 | 14.590 | 14.456 | 14.512 |
| Average | 14.597 | 14.637 | 14.552 | 14.529 | 14.671 | 14.551 | 14.697 | 14.633 | 14.625 | 14.627 | 14.595 |
| Max | 14.644 | 14.794 | 14.775 | 14.650 | 14.897 | 14.690 | 14.821 | 14.735 | 14.643 | 14.853 | 14.734 |
| UL | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 | 27.000 |

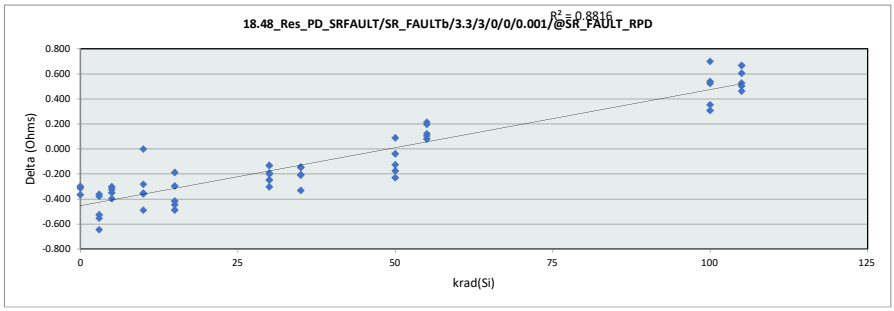


# TID HDR Report
# TPS7H3014-SP

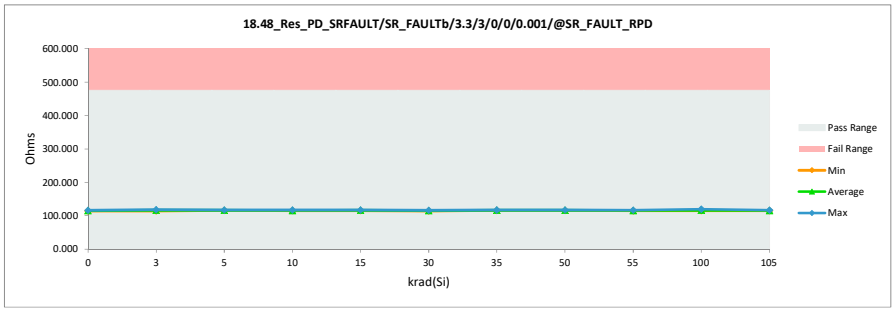
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 18.48_Res_PD_SRFAULT | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 512 | 475 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 114.446 | 114.134 | -0.312 |
| 0 | 14 | 115.802 | 115.437 | -0.365 |
| 0 | 15 | 116.296 | 115.998 | -0.298 |
| 3 | 20 | 118.705 | 118.179 | -0.526 |
| 3 | 21 | 114.589 | 113.945 | -0.644 |
| 3 | 22 | 116.335 | 115.956 | -0.379 |
| 3 | 23 | 117.325 | 116.964 | -0.361 |
| 3 | 24 | 116.733 | 116.180 | -0.553 |
| 5 | 25 | 116.514 | 116.189 | -0.325 |
| 5 | 26 | 116.746 | 116.441 | -0.305 |
| 5 | 27 | 115.766 | 115.463 | -0.303 |
| 5 | 28 | 115.788 | 115.392 | -0.396 |
| 5 | 29 | 117.237 | 116.888 | -0.349 |
| 10 | 30 | 115.857 | 115.505 | -0.352 |
| 10 | 31 | 115.436 | 114.947 | -0.489 |
| 10 | 32 | 117.499 | 117.218 | -0.281 |
| 10 | 33 | 116.305 | 115.946 | -0.359 |
| 10 | 34 | 115.054 | 115.054 | 0.000 |
| 15 | 35 | 115.873 | 115.386 | -0.487 |
| 15 | 36 | 115.891 | 115.595 | -0.296 |
| 15 | 37 | 117.049 | 116.861 | -0.188 |
| 15 | 38 | 115.640 | 115.194 | -0.446 |
| 15 | 39 | 117.224 | 116.808 | -0.416 |
| 30 | 40 | 114.327 | 114.079 | -0.248 |
| 30 | 41 | 116.242 | 116.049 | -0.193 |
| 30 | 42 | 115.307 | 115.005 | -0.302 |
| 30 | 43 | 115.177 | 115.046 | -0.131 |
| 30 | 44 | 116.125 | 115.926 | -0.199 |
| 35 | 45 | 115.994 | 115.789 | -0.205 |
| 35 | 46 | 116.479 | 116.148 | -0.331 |
| 35 | 47 | 116.330 | 116.183 | -0.147 |
| 35 | 48 | 116.391 | 116.182 | -0.209 |
| 35 | 49 | 117.352 | 117.208 | -0.144 |
| 50 | 50 | 116.365 | 116.136 | -0.229 |
| 50 | 51 | 115.824 | 115.649 | -0.175 |
| 50 | 52 | 115.562 | 115.437 | -0.125 |
| 50 | 53 | 116.755 | 116.717 | -0.038 |
| 50 | 54 | 117.093 | 117.182 | 0.089 |
| 55 | 55 | 116.594 | 116.808 | 0.214 |
| 55 | 56 | 114.489 | 114.568 | 0.079 |
| 55 | 57 | 116.181 | 116.304 | 0.123 |
| 55 | 58 | 116.419 | 116.524 | 0.105 |
| 55 | 59 | 114.384 | 114.581 | 0.197 |
| 100 | 60 | 115.403 | 115.943 | 0.540 |
| 100 | 61 | 115.167 | 115.867 | 0.700 |
| 100 | 62 | 118.866 | 119.389 | 0.523 |
| 100 | 63 | 114.600 | 114.953 | 0.353 |
| 100 | 64 | 115.463 | 115.771 | 0.308 |
| 105 | 65 | 114.537 | 115.040 | 0.503 |
| 105 | 66 | 114.482 | 115.087 | 0.605 |
| 105 | 67 | 115.827 | 116.495 | 0.668 |
| 105 | 68 | 115.970 | 116.497 | 0.527 |
| 105 | 69 | 115.318 | 115.781 | 0.463 |
| | Max | 118.866 | 119.389 | 0.700 |
| | Average | 116.021 | 115.925 | -0.096 |
| | Min | 114.327 | 113.945 | -0.644 |
| | Std Dev | 1.013 | 0.991 | 0.354 |




| | 18.48_Res_PD_SRFAUL | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 475 | Ohms | | | | | | | | | |
| Min Limit | 0 | Ohms | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 114.134 | 113.945 | 115.392 | 114.947 | 115.194 | 114.079 | 115.789 | 115.437 | 114.568 | 114.953 | 115.040 |
| Average | 115.190 | 116.245 | 116.075 | 115.734 | 115.969 | 115.221 | 116.302 | 116.224 | 115.757 | 116.385 | 115.780 |
| Max | 115.998 | 118.179 | 116.888 | 117.218 | 116.861 | 116.049 | 117.208 | 117.182 | 116.808 | 119.389 | 116.497 |
| UL | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 |

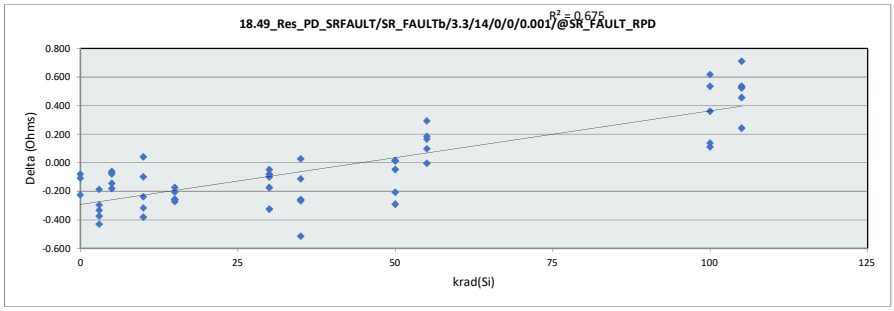


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

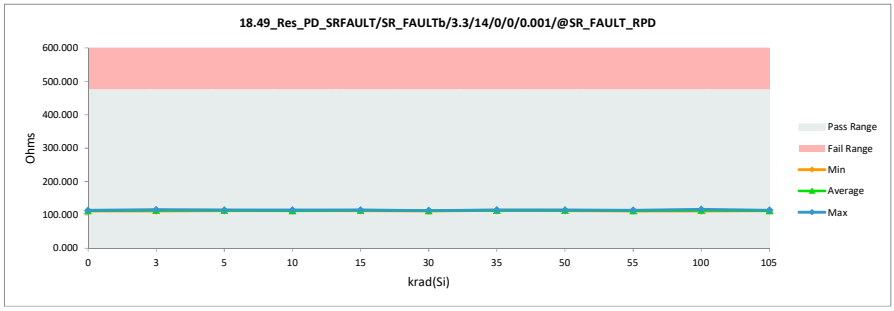
| | 18.49_Res_PD_SRFAULT | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | Ohms | Ohms |
| Max Limit | 512 | 475 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 111.864 | 111.639 | -0.225 |
| 0 | 14 | 113.105 | 112.997 | -0.108 |
| 0 | 15 | 113.650 | 113.571 | -0.079 |
| 3 | 20 | 116.025 | 115.595 | -0.430 |
| 3 | 21 | 111.941 | 111.608 | -0.333 |
| 3 | 22 | 113.652 | 113.466 | -0.186 |
| 3 | 23 | 114.741 | 114.445 | -0.296 |
| 3 | 24 | 113.956 | 113.582 | -0.374 |
| 5 | 25 | 113.815 | 113.748 | -0.067 |
| 5 | 26 | 113.960 | 113.780 | -0.180 |
| 5 | 27 | 113.094 | 113.033 | -0.061 |
| 5 | 28 | 113.199 | 113.120 | -0.079 |
| 5 | 29 | 114.489 | 114.345 | -0.144 |
| 10 | 30 | 113.310 | 112.930 | -0.380 |
| 10 | 31 | 112.866 | 112.628 | -0.238 |
| 10 | 32 | 115.004 | 114.687 | -0.317 |
| 10 | 33 | 113.601 | 113.503 | -0.098 |
| 10 | 34 | 112.518 | 112.559 | 0.041 |
| 15 | 35 | 113.163 | 112.906 | -0.257 |
| 15 | 36 | 113.304 | 113.048 | -0.256 |
| 15 | 37 | 114.451 | 114.246 | -0.205 |
| 15 | 38 | 112.942 | 112.769 | -0.173 |
| 15 | 39 | 114.611 | 114.339 | -0.272 |
| 30 | 40 | 111.745 | 111.571 | -0.174 |
| 30 | 41 | 113.539 | 113.491 | -0.048 |
| 30 | 42 | 112.670 | 112.590 | -0.080 |
| 30 | 43 | 112.617 | 112.292 | -0.325 |
| 30 | 44 | 113.511 | 113.412 | -0.099 |
| 35 | 45 | 113.294 | 113.321 | 0.027 |
| 35 | 46 | 113.942 | 113.676 | -0.266 |
| 35 | 47 | 113.846 | 113.733 | -0.113 |
| 35 | 48 | 113.965 | 113.708 | -0.257 |
| 35 | 49 | 114.876 | 114.362 | -0.514 |
| 50 | 50 | 113.773 | 113.483 | -0.290 |
| 50 | 51 | 113.212 | 113.227 | 0.015 |
| 50 | 52 | 113.054 | 112.847 | -0.207 |
| 50 | 53 | 114.126 | 114.079 | -0.047 |
| 50 | 54 | 114.430 | 114.444 | 0.014 |
| 55 | 55 | 113.953 | 114.245 | 0.292 |
| 55 | 56 | 111.824 | 111.820 | -0.004 |
| 55 | 57 | 113.622 | 113.807 | 0.185 |
| 55 | 58 | 113.796 | 113.962 | 0.166 |
| 55 | 59 | 111.917 | 112.015 | 0.098 |
| 100 | 60 | 112.843 | 113.378 | 0.535 |
| 100 | 61 | 112.652 | 113.270 | 0.618 |
| 100 | 62 | 116.341 | 116.702 | 0.361 |
| 100 | 63 | 112.072 | 112.183 | 0.111 |
| 100 | 64 | 113.068 | 113.206 | 0.138 |
| 105 | 65 | 112.006 | 112.462 | 0.456 |
| 105 | 66 | 112.219 | 112.461 | 0.242 |
| 105 | 67 | 113.326 | 114.036 | 0.710 |
| 105 | 68 | 113.539 | 114.075 | 0.536 |
| 105 | 69 | 112.680 | 113.204 | 0.524 |
| | Max | 116.341 | 116.702 | 0.710 |
| | Average | 113.429 | 113.389 | -0.040 |
| | Min | 111.745 | 111.571 | -0.514 |
| | Std Dev | 0.993 | 0.965 | 0.285 |




| | 18.49_Res_PD_SRFAUL | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 475 | Ohms |
| Min Limit | 0 | Ohms |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 111.639 | 111.608 | 113.033 | 112.559 | 112.769 | 111.571 | 113.321 | 112.847 | 111.820 | 112.183 | 112.461 |
| Average | 112.736 | 113.739 | 113.605 | 113.261 | 113.462 | 112.671 | 113.760 | 113.616 | 113.170 | 113.748 | 113.248 |
| Max | 113.571 | 115.595 | 114.345 | 114.687 | 114.339 | 113.491 | 114.362 | 114.444 | 114.245 | 116.702 | 114.075 |
| UL | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 | 475.000 |

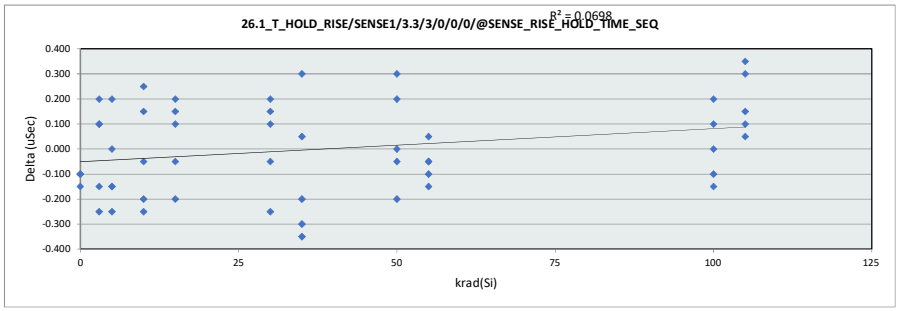


# TID HDR Report
# TPS7H3014-SP

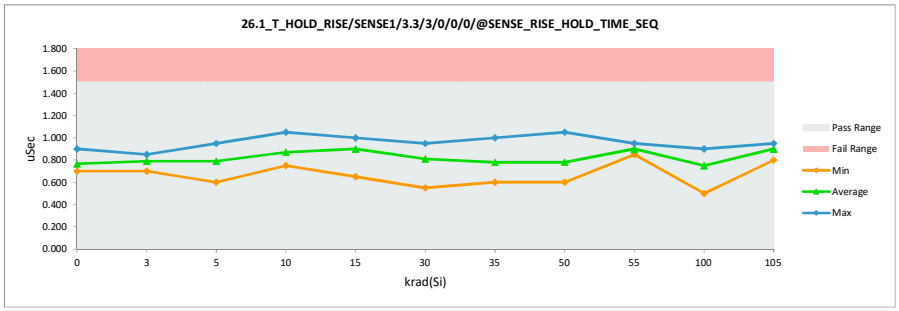
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.1_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.800 | 0.700 | -0.100 |
| 0 | 14 | 1.000 | 0.900 | -0.100 |
| 0 | 15 | 0.850 | 0.700 | -0.150 |
| 3 | 20 | 1.000 | 0.750 | -0.250 |
| 3 | 21 | 0.950 | 0.800 | -0.150 |
| 3 | 22 | 0.750 | 0.850 | 0.100 |
| 3 | 23 | 0.600 | 0.700 | 0.100 |
| 3 | 24 | 0.650 | 0.850 | 0.200 |
| 5 | 25 | 0.750 | 0.950 | 0.200 |
| 5 | 26 | 0.900 | 0.900 | 0.000 |
| 5 | 27 | 1.000 | 0.850 | -0.150 |
| 5 | 28 | 0.750 | 0.600 | -0.150 |
| 5 | 29 | 0.900 | 0.650 | -0.250 |
| 10 | 30 | 0.700 | 0.950 | 0.250 |
| 10 | 31 | 0.850 | 0.800 | -0.050 |
| 10 | 32 | 0.900 | 1.050 | 0.150 |
| 10 | 33 | 0.950 | 0.750 | -0.200 |
| 10 | 34 | 1.050 | 0.800 | -0.250 |
| 15 | 35 | 0.800 | 0.950 | 0.150 |
| 15 | 36 | 0.850 | 0.950 | 0.100 |
| 15 | 37 | 0.800 | 1.000 | 0.200 |
| 15 | 38 | 0.850 | 0.650 | -0.200 |
| 15 | 39 | 1.000 | 0.950 | -0.050 |
| 30 | 40 | 0.850 | 0.950 | 0.100 |
| 30 | 41 | 0.600 | 0.800 | 0.200 |
| 30 | 42 | 0.800 | 0.550 | -0.250 |
| 30 | 43 | 0.900 | 0.850 | -0.050 |
| 30 | 44 | 0.750 | 0.900 | 0.150 |
| 35 | 45 | 1.050 | 0.850 | -0.200 |
| 35 | 46 | 0.750 | 0.800 | 0.050 |
| 35 | 47 | 0.700 | 1.000 | 0.300 |
| 35 | 48 | 1.000 | 0.650 | -0.350 |
| 35 | 49 | 0.900 | 0.600 | -0.300 |
| 50 | 50 | 0.800 | 0.750 | -0.050 |
| 50 | 51 | 0.800 | 0.600 | -0.200 |
| 50 | 52 | 0.750 | 1.050 | 0.300 |
| 50 | 53 | 0.750 | 0.750 | 0.000 |
| 50 | 54 | 0.550 | 0.750 | 0.200 |
| 55 | 55 | 1.000 | 0.950 | -0.050 |
| 55 | 56 | 1.000 | 0.900 | -0.100 |
| 55 | 57 | 0.950 | 0.900 | -0.050 |
| 55 | 58 | 0.800 | 0.850 | 0.050 |
| 55 | 59 | 1.050 | 0.900 | -0.150 |
| 100 | 60 | 0.750 | 0.850 | 0.100 |
| 100 | 61 | 0.650 | 0.500 | -0.150 |
| 100 | 62 | 0.750 | 0.750 | 0.000 |
| 100 | 63 | 0.850 | 0.750 | -0.100 |
| 100 | 64 | 0.700 | 0.900 | 0.200 |
| 105 | 65 | 0.600 | 0.950 | 0.350 |
| 105 | 66 | 0.600 | 0.900 | 0.300 |
| 105 | 67 | 0.800 | 0.950 | 0.150 |
| 105 | 68 | 0.750 | 0.800 | 0.050 |
| 105 | 69 | 0.800 | 0.900 | 0.100 |
| | Max | 1.050 | 1.050 | 0.350 |
| | Average | 0.824 | 0.824 | 0.000 |
| | Min | 0.550 | 0.500 | -0.350 |
| | Std Dev | 0.131 | 0.130 | 0.179 |




| | 26.1_T_HOLD_RISE/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.5 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.700 | 0.700 | 0.600 | 0.750 | 0.650 | 0.550 | 0.600 | 0.600 | 0.850 | 0.500 | 0.800 |
| Average | 0.767 | 0.790 | 0.790 | 0.870 | 0.900 | 0.810 | 0.780 | 0.780 | 0.900 | 0.750 | 0.900 |
| Max | 0.900 | 0.850 | 0.950 | 1.050 | 1.000 | 0.950 | 1.000 | 1.050 | 0.950 | 0.900 | 0.950 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

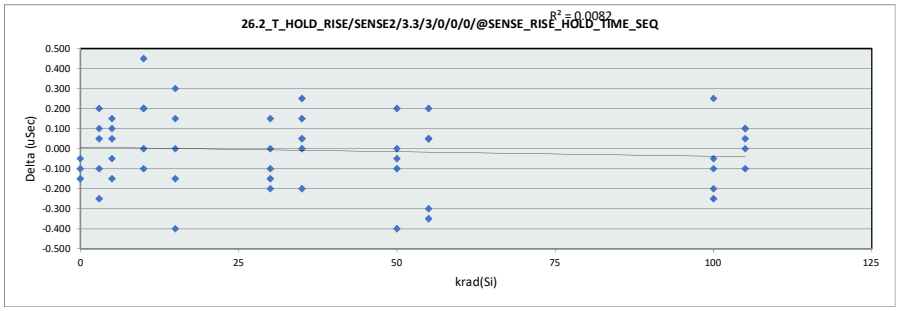


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

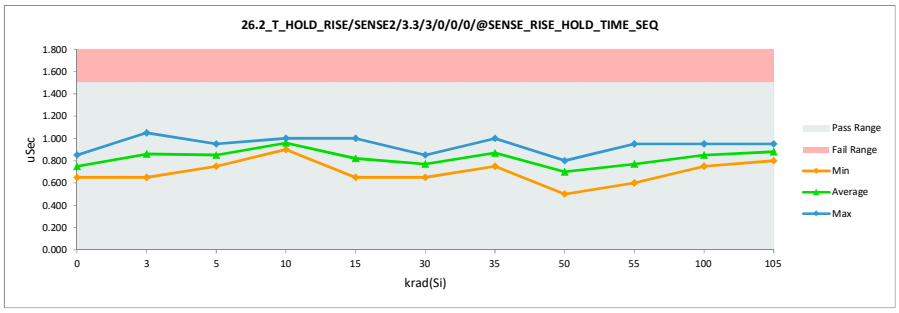
| | 26.2_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.850 | 0.750 | -0.100 |
| 0 | 14 | 0.800 | 0.650 | -0.150 |
| 0 | 15 | 0.900 | 0.850 | -0.050 |
| 3 | 20 | 0.950 | 0.850 | -0.100 |
| 3 | 21 | 0.950 | 1.050 | 0.100 |
| 3 | 22 | 0.900 | 0.650 | -0.250 |
| 3 | 23 | 0.800 | 0.850 | 0.050 |
| 3 | 24 | 0.700 | 0.900 | 0.200 |
| 5 | 25 | 0.900 | 0.850 | -0.050 |
| 5 | 26 | 0.800 | 0.950 | 0.150 |
| 5 | 27 | 0.700 | 0.800 | 0.100 |
| 5 | 28 | 0.850 | 0.900 | 0.050 |
| 5 | 29 | 0.900 | 0.750 | -0.150 |
| 10 | 30 | 0.950 | 0.950 | 0.000 |
| 10 | 31 | 0.500 | 0.950 | 0.450 |
| 10 | 32 | 1.000 | 0.900 | -0.100 |
| 10 | 33 | 0.800 | 1.000 | 0.200 |
| 10 | 34 | 0.800 | 1.000 | 0.200 |
| 15 | 35 | 0.600 | 0.900 | 0.300 |
| 15 | 36 | 0.850 | 1.000 | 0.150 |
| 15 | 37 | 0.800 | 0.800 | 0.000 |
| 15 | 38 | 1.050 | 0.650 | -0.400 |
| 15 | 39 | 0.900 | 0.750 | -0.150 |
| 30 | 40 | 1.000 | 0.850 | -0.150 |
| 30 | 41 | 0.800 | 0.700 | -0.100 |
| 30 | 42 | 0.850 | 0.650 | -0.200 |
| 30 | 43 | 0.700 | 0.850 | 0.150 |
| 30 | 44 | 0.800 | 0.800 | 0.000 |
| 35 | 45 | 0.750 | 1.000 | 0.250 |
| 35 | 46 | 0.850 | 0.850 | 0.000 |
| 35 | 47 | 0.850 | 1.000 | 0.150 |
| 35 | 48 | 0.700 | 0.750 | 0.050 |
| 35 | 49 | 0.950 | 0.750 | -0.200 |
| 50 | 50 | 0.600 | 0.800 | 0.200 |
| 50 | 51 | 0.850 | 0.750 | -0.100 |
| 50 | 52 | 0.800 | 0.750 | -0.050 |
| 50 | 53 | 0.900 | 0.500 | -0.400 |
| 50 | 54 | 0.700 | 0.700 | 0.000 |
| 55 | 55 | 0.900 | 0.600 | -0.300 |
| 55 | 56 | 0.700 | 0.750 | 0.050 |
| 55 | 57 | 0.900 | 0.950 | 0.050 |
| 55 | 58 | 0.650 | 0.850 | 0.200 |
| 55 | 59 | 1.050 | 0.700 | -0.350 |
| 100 | 60 | 0.900 | 0.800 | -0.100 |
| 100 | 61 | 1.000 | 0.950 | -0.050 |
| 100 | 62 | 1.000 | 0.800 | -0.200 |
| 100 | 63 | 1.000 | 0.750 | -0.250 |
| 100 | 64 | 0.700 | 0.950 | 0.250 |
| 105 | 65 | 0.800 | 0.900 | 0.100 |
| 105 | 66 | 0.850 | 0.850 | 0.000 |
| 105 | 67 | 0.900 | 0.950 | 0.050 |
| 105 | 68 | 0.800 | 0.900 | 0.100 |
| 105 | 69 | 0.900 | 0.800 | -0.100 |
| | Max | 1.050 | 1.050 | 0.450 |
| | Average | 0.838 | 0.828 | -0.009 |
| | Min | 0.500 | 0.500 | -0.400 |
| | Std Dev | 0.119 | 0.119 | 0.181 |




| | 26.2_T_HOLD_RISE/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.5 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.650 | 0.650 | 0.750 | 0.900 | 0.650 | 0.650 | 0.750 | 0.500 | 0.600 | 0.750 | 0.800 |
| Average | 0.750 | 0.860 | 0.850 | 0.960 | 0.820 | 0.770 | 0.870 | 0.700 | 0.770 | 0.850 | 0.880 |
| Max | 0.850 | 1.050 | 0.950 | 1.000 | 1.000 | 0.850 | 1.000 | 0.800 | 0.950 | 0.950 | 0.950 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

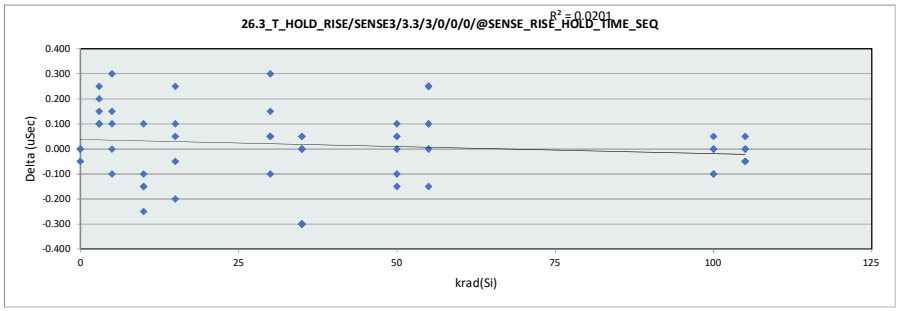


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

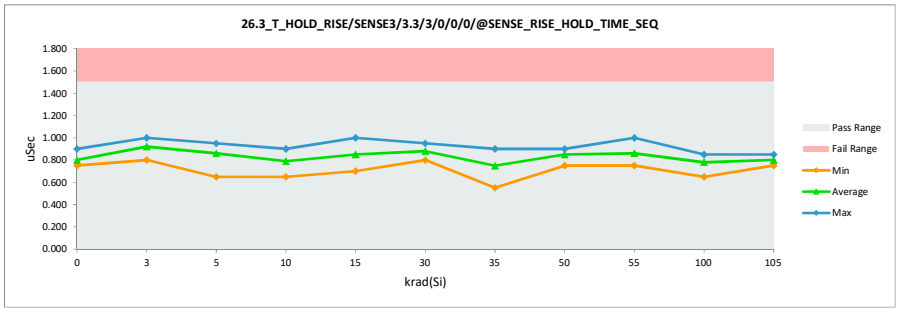
| | 26.3_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.750 | 0.750 | 0.000 |
| 0 | 14 | 0.800 | 0.750 | -0.050 |
| 0 | 15 | 0.900 | 0.900 | 0.000 |
| 3 | 20 | 0.850 | 0.950 | 0.100 |
| 3 | 21 | 0.750 | 0.950 | 0.200 |
| 3 | 22 | 0.750 | 0.900 | 0.150 |
| 3 | 23 | 0.900 | 1.000 | 0.100 |
| 3 | 24 | 0.550 | 0.800 | 0.250 |
| 5 | 25 | 0.800 | 0.900 | 0.100 |
| 5 | 26 | 0.800 | 0.950 | 0.150 |
| 5 | 27 | 0.600 | 0.900 | 0.300 |
| 5 | 28 | 0.900 | 0.900 | 0.000 |
| 5 | 29 | 0.750 | 0.650 | -0.100 |
| 10 | 30 | 0.800 | 0.650 | -0.150 |
| 10 | 31 | 0.800 | 0.900 | 0.100 |
| 10 | 32 | 0.850 | 0.750 | -0.100 |
| 10 | 33 | 1.000 | 0.750 | -0.250 |
| 10 | 34 | 1.050 | 0.900 | -0.150 |
| 15 | 35 | 0.900 | 1.000 | 0.100 |
| 15 | 36 | 0.600 | 0.850 | 0.250 |
| 15 | 37 | 0.900 | 0.700 | -0.200 |
| 15 | 38 | 0.850 | 0.900 | 0.050 |
| 15 | 39 | 0.850 | 0.800 | -0.050 |
| 30 | 40 | 0.600 | 0.900 | 0.300 |
| 30 | 41 | 0.650 | 0.800 | 0.150 |
| 30 | 42 | 1.000 | 0.900 | -0.100 |
| 30 | 43 | 0.800 | 0.850 | 0.050 |
| 30 | 44 | 0.900 | 0.950 | 0.050 |
| 35 | 45 | 1.000 | 0.700 | -0.300 |
| 35 | 46 | 0.850 | 0.550 | -0.300 |
| 35 | 47 | 0.800 | 0.800 | 0.000 |
| 35 | 48 | 0.850 | 0.900 | 0.050 |
| 35 | 49 | 0.800 | 0.800 | 0.000 |
| 50 | 50 | 0.900 | 0.900 | 0.000 |
| 50 | 51 | 0.900 | 0.750 | -0.150 |
| 50 | 52 | 1.000 | 0.900 | -0.100 |
| 50 | 53 | 0.700 | 0.800 | 0.100 |
| 50 | 54 | 0.850 | 0.900 | 0.050 |
| 55 | 55 | 0.900 | 0.750 | -0.150 |
| 55 | 56 | 0.750 | 0.850 | 0.100 |
| 55 | 57 | 0.800 | 0.800 | 0.000 |
| 55 | 58 | 0.750 | 1.000 | 0.250 |
| 55 | 59 | 0.650 | 0.900 | 0.250 |
| 100 | 60 | 0.800 | 0.800 | 0.000 |
| 100 | 61 | 0.850 | 0.850 | 0.000 |
| 100 | 62 | 0.950 | 0.850 | -0.100 |
| 100 | 63 | 0.850 | 0.750 | -0.100 |
| 100 | 64 | 0.600 | 0.650 | 0.050 |
| 105 | 65 | 0.800 | 0.800 | 0.000 |
| 105 | 66 | 0.700 | 0.750 | 0.050 |
| 105 | 67 | 0.850 | 0.800 | -0.050 |
| 105 | 68 | 0.900 | 0.850 | -0.050 |
| 105 | 69 | 0.800 | 0.800 | 0.000 |
| | Max | 1.050 | 1.000 | 0.300 |
| | Average | 0.816 | 0.832 | 0.016 |
| | Min | 0.550 | 0.550 | -0.300 |
| | Std Dev | 0.113 | 0.097 | 0.142 |




| | 26.3_T_HOLD_RISE/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.5 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.750 | 0.800 | 0.650 | 0.650 | 0.700 | 0.800 | 0.550 | 0.750 | 0.750 | 0.650 | 0.750 |
| Average | 0.800 | 0.920 | 0.860 | 0.790 | 0.850 | 0.880 | 0.750 | 0.850 | 0.860 | 0.780 | 0.800 |
| Max | 0.900 | 1.000 | 0.950 | 0.900 | 1.000 | 0.950 | 0.900 | 0.900 | 1.000 | 0.850 | 0.850 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

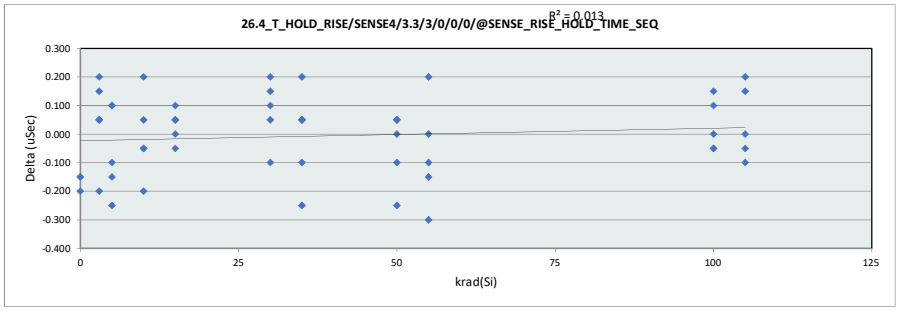


# TID HDR Report
# TPS7H3014-SP

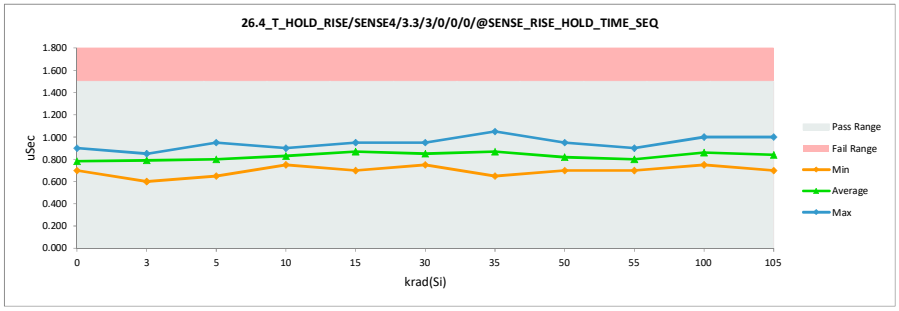
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.4_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.900 | 0.750 | -0.150 |
| 0 | 14 | 0.900 | 0.700 | -0.200 |
| 0 | 15 | 1.050 | 0.900 | -0.150 |
| 3 | 20 | 0.800 | 0.600 | -0.200 |
| 3 | 21 | 0.800 | 0.850 | 0.050 |
| 3 | 22 | 0.700 | 0.850 | 0.150 |
| 3 | 23 | 0.800 | 0.850 | 0.050 |
| 3 | 24 | 0.600 | 0.800 | 0.200 |
| 5 | 25 | 0.700 | 0.800 | 0.100 |
| 5 | 26 | 0.900 | 0.650 | -0.250 |
| 5 | 27 | 0.850 | 0.750 | -0.100 |
| 5 | 28 | 1.000 | 0.850 | -0.150 |
| 5 | 29 | 0.850 | 0.950 | 0.100 |
| 10 | 30 | 0.800 | 0.850 | 0.050 |
| 10 | 31 | 0.950 | 0.900 | -0.050 |
| 10 | 32 | 0.600 | 0.800 | 0.200 |
| 10 | 33 | 1.050 | 0.850 | -0.200 |
| 10 | 34 | 0.800 | 0.750 | -0.050 |
| 15 | 35 | 0.950 | 0.950 | 0.000 |
| 15 | 36 | 0.750 | 0.700 | -0.050 |
| 15 | 37 | 0.850 | 0.950 | 0.100 |
| 15 | 38 | 0.750 | 0.800 | 0.050 |
| 15 | 39 | 0.900 | 0.950 | 0.050 |
| 30 | 40 | 0.700 | 0.850 | 0.150 |
| 30 | 41 | 0.800 | 0.900 | 0.100 |
| 30 | 42 | 0.900 | 0.800 | -0.100 |
| 30 | 43 | 0.700 | 0.750 | 0.050 |
| 30 | 44 | 0.750 | 0.950 | 0.200 |
| 35 | 45 | 0.900 | 0.950 | 0.050 |
| 35 | 46 | 0.900 | 0.650 | -0.250 |
| 35 | 47 | 0.950 | 0.850 | -0.100 |
| 35 | 48 | 0.850 | 1.050 | 0.200 |
| 35 | 49 | 0.800 | 0.850 | 0.050 |
| 50 | 50 | 0.650 | 0.700 | 0.050 |
| 50 | 51 | 1.000 | 0.750 | -0.250 |
| 50 | 52 | 0.950 | 0.950 | 0.000 |
| 50 | 53 | 0.900 | 0.800 | -0.100 |
| 50 | 54 | 0.850 | 0.900 | 0.050 |
| 55 | 55 | 1.000 | 0.700 | -0.300 |
| 55 | 56 | 0.950 | 0.800 | -0.150 |
| 55 | 57 | 0.800 | 0.800 | 0.000 |
| 55 | 58 | 0.700 | 0.900 | 0.200 |
| 55 | 59 | 0.900 | 0.800 | -0.100 |
| 100 | 60 | 0.900 | 1.000 | 0.100 |
| 100 | 61 | 0.850 | 0.850 | 0.000 |
| 100 | 62 | 0.750 | 0.900 | 0.150 |
| 100 | 63 | 0.800 | 0.750 | -0.050 |
| 100 | 64 | 0.850 | 0.800 | -0.050 |
| 105 | 65 | 0.950 | 0.850 | -0.100 |
| 105 | 66 | 0.650 | 0.850 | 0.200 |
| 105 | 67 | 0.850 | 1.000 | 0.150 |
| 105 | 68 | 0.750 | 0.700 | -0.050 |
| 105 | 69 | 0.800 | 0.800 | 0.000 |
| | Max | 1.050 | 1.050 | 0.200 |
| | Average | 0.837 | 0.830 | -0.007 |
| | Min | 0.600 | 0.600 | -0.300 |
| | Std Dev | 0.109 | 0.097 | 0.136 |




| | 26.4_T_HOLD_RISE/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.5 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.700 | 0.600 | 0.650 | 0.750 | 0.700 | 0.750 | 0.650 | 0.700 | 0.700 | 0.750 | 0.700 |
| Average | 0.783 | 0.790 | 0.800 | 0.830 | 0.870 | 0.850 | 0.870 | 0.820 | 0.800 | 0.860 | 0.840 |
| Max | 0.900 | 0.850 | 0.950 | 0.900 | 0.950 | 0.950 | 1.050 | 0.950 | 0.900 | 1.000 | 1.000 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

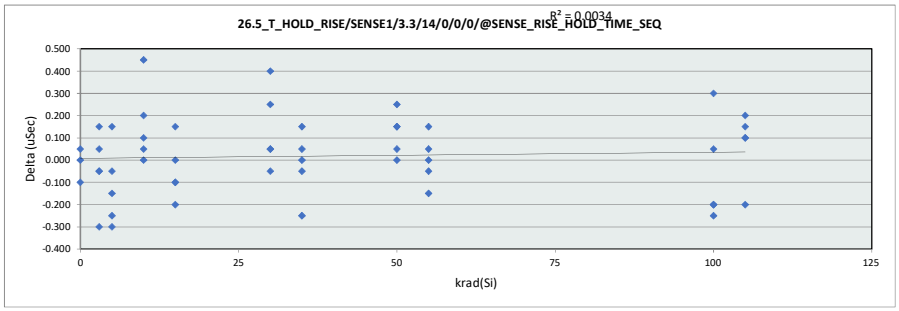


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

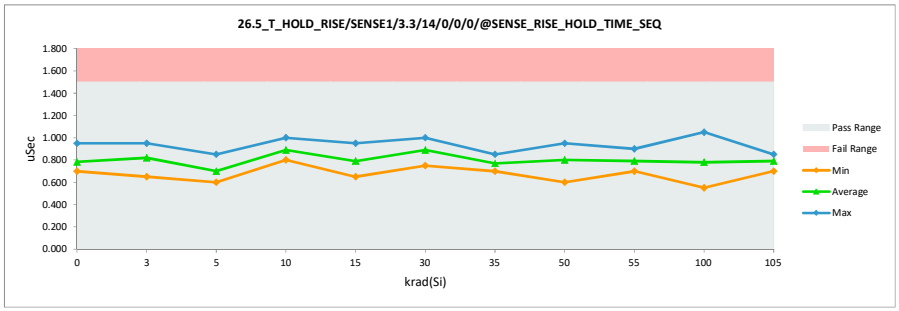
| | 26.5_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.800 | 0.700 | -0.100 |
| 0 | 14 | 0.700 | 0.700 | 0.000 |
| 0 | 15 | 0.900 | 0.950 | 0.050 |
| 3 | 20 | 1.000 | 0.950 | -0.050 |
| 3 | 21 | 0.700 | 0.750 | 0.050 |
| 3 | 22 | 0.850 | 0.800 | -0.050 |
| 3 | 23 | 0.800 | 0.950 | 0.150 |
| 3 | 24 | 0.950 | 0.650 | -0.300 |
| 5 | 25 | 0.900 | 0.600 | -0.300 |
| 5 | 26 | 0.700 | 0.850 | 0.150 |
| 5 | 27 | 0.800 | 0.750 | -0.050 |
| 5 | 28 | 0.850 | 0.600 | -0.250 |
| 5 | 29 | 0.850 | 0.700 | -0.150 |
| 10 | 30 | 0.650 | 0.850 | 0.200 |
| 10 | 31 | 0.900 | 0.950 | 0.050 |
| 10 | 32 | 0.700 | 0.800 | 0.100 |
| 10 | 33 | 0.850 | 0.850 | 0.000 |
| 10 | 34 | 0.550 | 1.000 | 0.450 |
| 15 | 35 | 1.000 | 0.900 | -0.100 |
| 15 | 36 | 0.950 | 0.750 | -0.200 |
| 15 | 37 | 0.500 | 0.650 | 0.150 |
| 15 | 38 | 0.800 | 0.700 | -0.100 |
| 15 | 39 | 0.950 | 0.950 | 0.000 |
| 30 | 40 | 0.450 | 0.850 | 0.400 |
| 30 | 41 | 0.700 | 0.750 | 0.050 |
| 30 | 42 | 0.950 | 0.900 | -0.050 |
| 30 | 43 | 0.950 | 1.000 | 0.050 |
| 30 | 44 | 0.700 | 0.950 | 0.250 |
| 35 | 45 | 0.700 | 0.700 | 0.000 |
| 35 | 46 | 0.800 | 0.750 | -0.050 |
| 35 | 47 | 0.700 | 0.850 | 0.150 |
| 35 | 48 | 0.950 | 0.700 | -0.250 |
| 35 | 49 | 0.800 | 0.850 | 0.050 |
| 50 | 50 | 0.650 | 0.800 | 0.150 |
| 50 | 51 | 0.750 | 0.900 | 0.150 |
| 50 | 52 | 0.700 | 0.750 | 0.050 |
| 50 | 53 | 0.700 | 0.950 | 0.250 |
| 50 | 54 | 0.600 | 0.600 | 0.000 |
| 55 | 55 | 0.750 | 0.900 | 0.150 |
| 55 | 56 | 0.750 | 0.800 | 0.050 |
| 55 | 57 | 0.850 | 0.800 | -0.050 |
| 55 | 58 | 0.700 | 0.700 | 0.000 |
| 55 | 59 | 0.900 | 0.750 | -0.150 |
| 100 | 60 | 0.950 | 0.700 | -0.250 |
| 100 | 61 | 0.900 | 0.950 | 0.050 |
| 100 | 62 | 0.750 | 0.550 | -0.200 |
| 100 | 63 | 0.750 | 1.050 | 0.300 |
| 100 | 64 | 0.850 | 0.650 | -0.200 |
| 105 | 65 | 0.650 | 0.850 | 0.200 |
| 105 | 66 | 0.900 | 0.700 | -0.200 |
| 105 | 67 | 0.750 | 0.850 | 0.100 |
| 105 | 68 | 0.550 | 0.700 | 0.150 |
| 105 | 69 | 0.750 | 0.850 | 0.100 |
| | Max | 1.000 | 1.050 | 0.450 |
| | Average | 0.783 | 0.801 | 0.018 |
| | Min | 0.450 | 0.550 | -0.300 |
| | Std Dev | 0.129 | 0.120 | 0.169 |




| | 26.5_T_HOLD_RISE/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.5 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.700 | 0.650 | 0.600 | 0.800 | 0.650 | 0.750 | 0.700 | 0.600 | 0.700 | 0.550 | 0.700 |
| Average | 0.783 | 0.820 | 0.700 | 0.890 | 0.790 | 0.890 | 0.770 | 0.800 | 0.790 | 0.780 | 0.790 |
| Max | 0.950 | 0.950 | 0.850 | 1.000 | 0.950 | 1.000 | 0.850 | 0.950 | 0.900 | 1.050 | 0.850 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

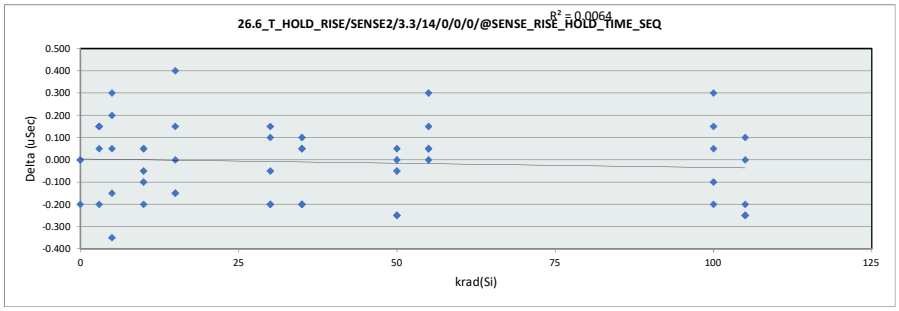


# TID HDR Report
# TPS7H3014-SP

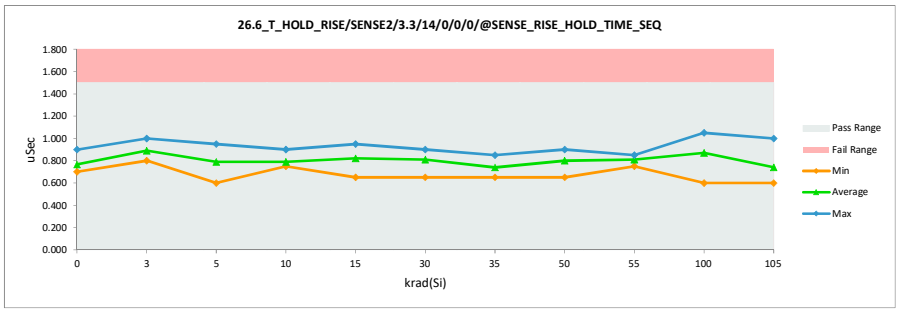
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.6_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.700 | 0.700 | 0.000 |
| 0 | 14 | 0.900 | 0.900 | 0.000 |
| 0 | 15 | 0.900 | 0.700 | -0.200 |
| 3 | 20 | 0.750 | 0.900 | 0.150 |
| 3 | 21 | 0.850 | 1.000 | 0.150 |
| 3 | 22 | 0.900 | 0.950 | 0.050 |
| 3 | 23 | 1.000 | 0.800 | -0.200 |
| 3 | 24 | 0.650 | 0.800 | 0.150 |
| 5 | 25 | 0.600 | 0.800 | 0.200 |
| 5 | 26 | 0.950 | 0.600 | -0.350 |
| 5 | 27 | 0.650 | 0.950 | 0.300 |
| 5 | 28 | 0.900 | 0.750 | -0.150 |
| 5 | 29 | 0.800 | 0.850 | 0.050 |
| 10 | 30 | 0.950 | 0.750 | -0.200 |
| 10 | 31 | 0.850 | 0.800 | -0.050 |
| 10 | 32 | 0.850 | 0.900 | 0.050 |
| 10 | 33 | 0.700 | 0.750 | 0.050 |
| 10 | 34 | 0.850 | 0.750 | -0.100 |
| 15 | 35 | 0.650 | 0.800 | 0.150 |
| 15 | 36 | 0.900 | 0.900 | 0.000 |
| 15 | 37 | 0.550 | 0.950 | 0.400 |
| 15 | 38 | 0.950 | 0.800 | -0.150 |
| 15 | 39 | 0.800 | 0.650 | -0.150 |
| 30 | 40 | 0.750 | 0.900 | 0.150 |
| 30 | 41 | 0.850 | 0.650 | -0.200 |
| 30 | 42 | 1.000 | 0.800 | -0.200 |
| 30 | 43 | 0.850 | 0.800 | -0.050 |
| 30 | 44 | 0.800 | 0.900 | 0.100 |
| 35 | 45 | 0.950 | 0.750 | -0.200 |
| 35 | 46 | 0.750 | 0.850 | 0.100 |
| 35 | 47 | 0.600 | 0.650 | 0.050 |
| 35 | 48 | 0.700 | 0.750 | 0.050 |
| 35 | 49 | 0.900 | 0.700 | -0.200 |
| 50 | 50 | 0.850 | 0.900 | 0.050 |
| 50 | 51 | 0.900 | 0.900 | 0.000 |
| 50 | 52 | 1.050 | 0.800 | -0.250 |
| 50 | 53 | 0.700 | 0.650 | -0.050 |
| 50 | 54 | 1.000 | 0.750 | -0.250 |
| 55 | 55 | 0.800 | 0.850 | 0.050 |
| 55 | 56 | 0.550 | 0.850 | 0.300 |
| 55 | 57 | 0.700 | 0.750 | 0.050 |
| 55 | 58 | 0.600 | 0.750 | 0.150 |
| 55 | 59 | 0.850 | 0.850 | 0.000 |
| 100 | 60 | 0.800 | 0.950 | 0.150 |
| 100 | 61 | 0.700 | 1.000 | 0.300 |
| 100 | 62 | 0.800 | 0.600 | -0.200 |
| 100 | 63 | 1.000 | 1.050 | 0.050 |
| 100 | 64 | 0.850 | 0.750 | -0.100 |
| 105 | 65 | 0.900 | 1.000 | 0.100 |
| 105 | 66 | 0.850 | 0.650 | -0.200 |
| 105 | 67 | 0.850 | 0.600 | -0.250 |
| 105 | 68 | 0.900 | 0.650 | -0.250 |
| 105 | 69 | 0.800 | 0.800 | 0.000 |
| | Max | 1.050 | 1.050 | 0.400 |
| | Average | 0.815 | 0.804 | -0.011 |
| | Min | 0.550 | 0.600 | -0.350 |
| | Std Dev | 0.124 | 0.114 | 0.170 |




| | 26.6_T_HOLD_RISE/SE | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 1.5 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.700 | 0.800 | 0.600 | 0.750 | 0.650 | 0.650 | 0.650 | 0.650 | 0.750 | 0.600 | 0.600 |
| Average | 0.767 | 0.890 | 0.790 | 0.790 | 0.820 | 0.810 | 0.740 | 0.800 | 0.810 | 0.870 | 0.740 |
| Max | 0.900 | 1.000 | 0.950 | 0.900 | 0.950 | 0.900 | 0.850 | 0.900 | 0.850 | 1.050 | 1.000 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

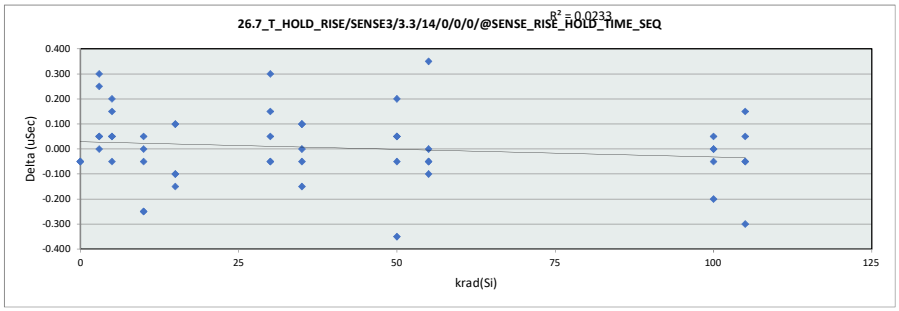


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

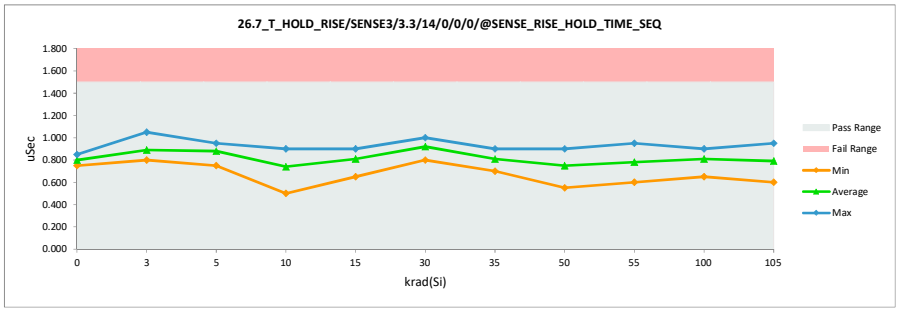
| | 26.7_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.800 | 0.750 | -0.050 |
| 0 | 14 | 0.900 | 0.850 | -0.050 |
| 0 | 15 | 0.850 | 0.800 | -0.050 |
| 3 | 20 | 0.750 | 0.800 | 0.050 |
| 3 | 21 | 0.750 | 1.050 | 0.300 |
| 3 | 22 | 0.800 | 0.800 | 0.000 |
| 3 | 23 | 0.850 | 0.900 | 0.050 |
| 3 | 24 | 0.650 | 0.900 | 0.250 |
| 5 | 25 | 0.700 | 0.750 | 0.050 |
| 5 | 26 | 0.900 | 0.950 | 0.050 |
| 5 | 27 | 0.950 | 0.900 | -0.050 |
| 5 | 28 | 0.700 | 0.900 | 0.200 |
| 5 | 29 | 0.750 | 0.900 | 0.150 |
| 10 | 30 | 0.750 | 0.500 | -0.250 |
| 10 | 31 | 0.850 | 0.900 | 0.050 |
| 10 | 32 | 0.800 | 0.800 | 0.000 |
| 10 | 33 | 0.900 | 0.850 | -0.050 |
| 10 | 34 | 0.900 | 0.650 | -0.250 |
| 15 | 35 | 0.950 | 0.850 | -0.100 |
| 15 | 36 | 0.800 | 0.900 | 0.100 |
| 15 | 37 | 0.750 | 0.650 | -0.100 |
| 15 | 38 | 1.000 | 0.850 | -0.150 |
| 15 | 39 | 0.700 | 0.800 | 0.100 |
| 30 | 40 | 1.050 | 1.000 | -0.050 |
| 30 | 41 | 0.650 | 0.950 | 0.300 |
| 30 | 42 | 0.850 | 1.000 | 0.150 |
| 30 | 43 | 0.850 | 0.800 | -0.050 |
| 30 | 44 | 0.800 | 0.850 | 0.050 |
| 35 | 45 | 0.800 | 0.900 | 0.100 |
| 35 | 46 | 0.850 | 0.800 | -0.050 |
| 35 | 47 | 0.750 | 0.850 | 0.100 |
| 35 | 48 | 0.850 | 0.700 | -0.150 |
| 35 | 49 | 0.800 | 0.800 | 0.000 |
| 50 | 50 | 0.700 | 0.900 | 0.200 |
| 50 | 51 | 0.900 | 0.550 | -0.350 |
| 50 | 52 | 0.800 | 0.850 | 0.050 |
| 50 | 53 | 0.550 | 0.600 | 0.050 |
| 50 | 54 | 0.900 | 0.850 | -0.050 |
| 55 | 55 | 0.850 | 0.750 | -0.100 |
| 55 | 56 | 0.850 | 0.800 | -0.050 |
| 55 | 57 | 0.800 | 0.800 | 0.000 |
| 55 | 58 | 0.650 | 0.600 | -0.050 |
| 55 | 59 | 0.600 | 0.950 | 0.350 |
| 100 | 60 | 0.850 | 0.900 | 0.050 |
| 100 | 61 | 0.900 | 0.900 | 0.000 |
| 100 | 62 | 0.750 | 0.750 | 0.000 |
| 100 | 63 | 0.850 | 0.650 | -0.200 |
| 100 | 64 | 0.900 | 0.850 | -0.050 |
| 105 | 65 | 0.800 | 0.750 | -0.050 |
| 105 | 66 | 0.850 | 0.800 | -0.050 |
| 105 | 67 | 0.900 | 0.950 | 0.050 |
| 105 | 68 | 0.700 | 0.850 | 0.150 |
| 105 | 69 | 0.900 | 0.600 | -0.300 |
| | Max | 1.050 | 1.050 | 0.350 |
| | Average | 0.811 | 0.817 | 0.006 |
| | Min | 0.550 | 0.500 | -0.350 |
| | Std Dev | 0.099 | 0.117 | 0.143 |




| | 26.7_T_HOLD_RISE/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.5 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.750 | 0.800 | 0.750 | 0.500 | 0.650 | 0.800 | 0.700 | 0.550 | 0.600 | 0.650 | 0.600 |
| Average | 0.800 | 0.890 | 0.880 | 0.740 | 0.810 | 0.920 | 0.810 | 0.750 | 0.780 | 0.810 | 0.790 |
| Max | 0.850 | 1.050 | 0.950 | 0.900 | 0.900 | 1.000 | 0.900 | 0.900 | 0.950 | 0.900 | 0.950 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

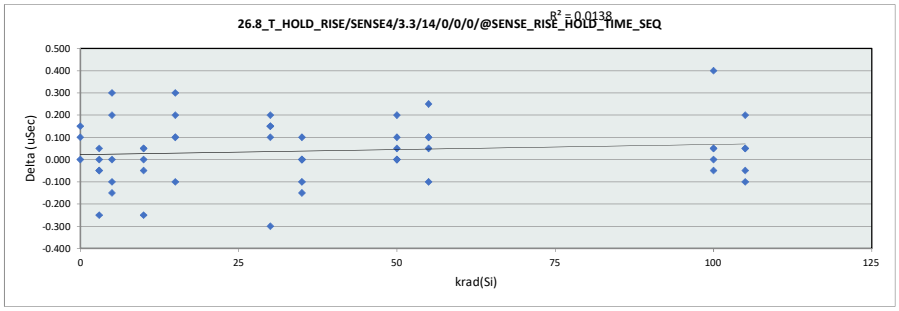


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

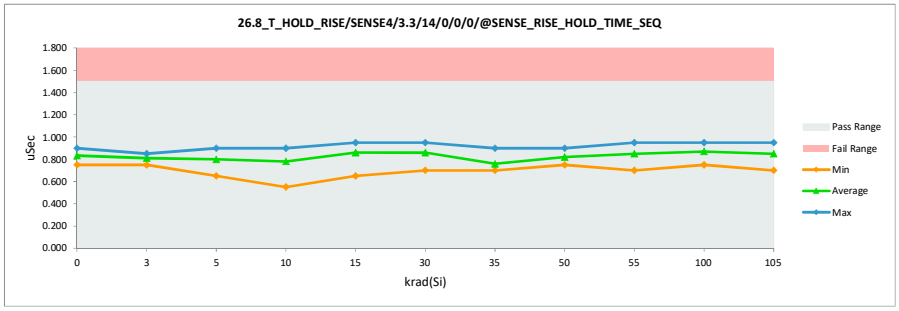
| | 26.8_T_HOLD_RISE/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1.6 | 1.5 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.600 | 0.750 | 0.150 |
| 0 | 14 | 0.800 | 0.900 | 0.100 |
| 0 | 15 | 0.850 | 0.850 | 0.000 |
| 3 | 20 | 0.750 | 0.800 | 0.050 |
| 3 | 21 | 0.900 | 0.850 | -0.050 |
| 3 | 22 | 1.000 | 0.750 | -0.250 |
| 3 | 23 | 0.850 | 0.800 | -0.050 |
| 3 | 24 | 0.850 | 0.850 | 0.000 |
| 5 | 25 | 0.600 | 0.900 | 0.300 |
| 5 | 26 | 0.950 | 0.800 | -0.150 |
| 5 | 27 | 0.900 | 0.800 | -0.100 |
| 5 | 28 | 0.650 | 0.650 | 0.000 |
| 5 | 29 | 0.650 | 0.850 | 0.200 |
| 10 | 30 | 0.700 | 0.750 | 0.050 |
| 10 | 31 | 0.800 | 0.550 | -0.250 |
| 10 | 32 | 0.850 | 0.900 | 0.050 |
| 10 | 33 | 0.950 | 0.900 | -0.050 |
| 10 | 34 | 0.800 | 0.800 | 0.000 |
| 15 | 35 | 0.800 | 0.900 | 0.100 |
| 15 | 36 | 0.800 | 0.900 | 0.100 |
| 15 | 37 | 0.650 | 0.950 | 0.300 |
| 15 | 38 | 0.750 | 0.650 | -0.100 |
| 15 | 39 | 0.700 | 0.900 | 0.200 |
| 30 | 40 | 0.700 | 0.900 | 0.200 |
| 30 | 41 | 1.000 | 0.700 | -0.300 |
| 30 | 42 | 0.750 | 0.850 | 0.100 |
| 30 | 43 | 0.750 | 0.900 | 0.150 |
| 30 | 44 | 0.800 | 0.950 | 0.150 |
| 35 | 45 | 0.800 | 0.900 | 0.100 |
| 35 | 46 | 0.850 | 0.700 | -0.150 |
| 35 | 47 | 0.750 | 0.750 | 0.000 |
| 35 | 48 | 0.700 | 0.700 | 0.000 |
| 35 | 49 | 0.850 | 0.750 | -0.100 |
| 50 | 50 | 0.700 | 0.800 | 0.100 |
| 50 | 51 | 0.750 | 0.750 | 0.000 |
| 50 | 52 | 0.650 | 0.850 | 0.200 |
| 50 | 53 | 0.750 | 0.800 | 0.050 |
| 50 | 54 | 0.900 | 0.900 | 0.000 |
| 55 | 55 | 0.800 | 0.700 | -0.100 |
| 55 | 56 | 0.850 | 0.900 | 0.050 |
| 55 | 57 | 0.850 | 0.950 | 0.100 |
| 55 | 58 | 0.650 | 0.900 | 0.250 |
| 55 | 59 | 0.700 | 0.800 | 0.100 |
| 100 | 60 | 0.900 | 0.950 | 0.050 |
| 100 | 61 | 0.900 | 0.850 | -0.050 |
| 100 | 62 | 0.550 | 0.950 | 0.400 |
| 100 | 63 | 0.850 | 0.850 | 0.000 |
| 100 | 64 | 0.700 | 0.750 | 0.050 |
| 105 | 65 | 0.750 | 0.800 | 0.050 |
| 105 | 66 | 0.800 | 0.700 | -0.100 |
| 105 | 67 | 0.850 | 0.900 | 0.050 |
| 105 | 68 | 0.750 | 0.950 | 0.200 |
| 105 | 69 | 0.950 | 0.900 | -0.050 |
| | Max | 1.000 | 0.950 | 0.400 |
| | Average | 0.787 | 0.826 | 0.040 |
| | Min | 0.550 | 0.550 | -0.300 |
| | Std Dev | 0.104 | 0.092 | 0.139 |




| | 26.8_T_HOLD_RISE/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 1.5 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.750 | 0.750 | 0.650 | 0.550 | 0.650 | 0.700 | 0.700 | 0.750 | 0.700 | 0.750 | 0.700 |
| Average | 0.833 | 0.810 | 0.800 | 0.780 | 0.860 | 0.860 | 0.760 | 0.820 | 0.850 | 0.870 | 0.850 |
| Max | 0.900 | 0.850 | 0.900 | 0.900 | 0.950 | 0.950 | 0.900 | 0.900 | 0.950 | 0.950 | 0.950 |
| UL | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 | 1.500 |

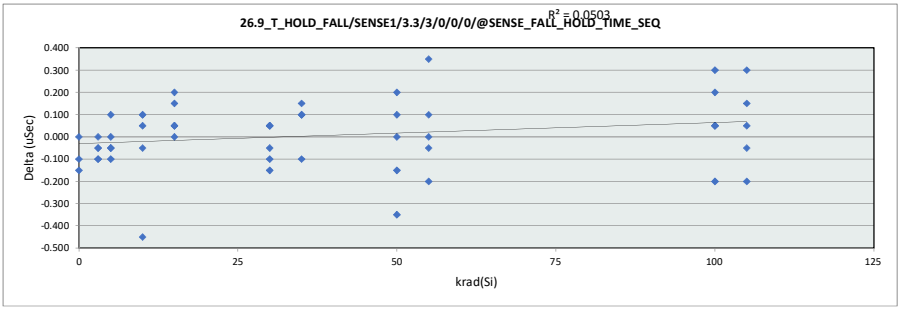


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

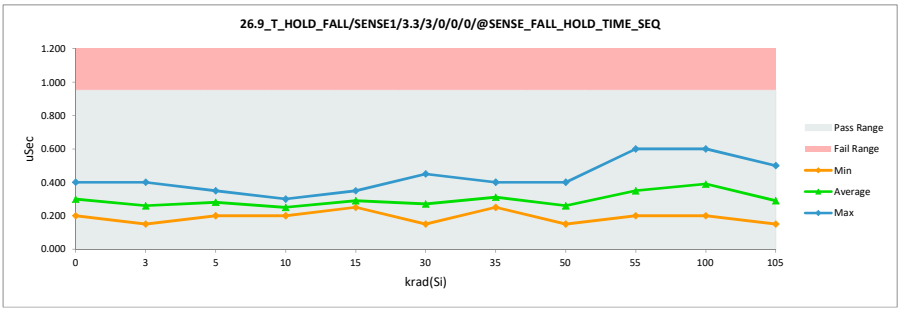
| | 26.9_T_HOLD_FALL/SEN | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.350 | 0.200 | -0.150 |
| 0 | 14 | 0.500 | 0.400 | -0.100 |
| 0 | 15 | 0.300 | 0.300 | 0.000 |
| 3 | 20 | 0.350 | 0.250 | -0.100 |
| 3 | 21 | 0.400 | 0.300 | -0.100 |
| 3 | 22 | 0.250 | 0.200 | -0.050 |
| 3 | 23 | 0.200 | 0.150 | -0.050 |
| 3 | 24 | 0.400 | 0.400 | 0.000 |
| 5 | 25 | 0.350 | 0.250 | -0.100 |
| 5 | 26 | 0.300 | 0.250 | -0.050 |
| 5 | 27 | 0.350 | 0.350 | 0.000 |
| 5 | 28 | 0.250 | 0.350 | 0.100 |
| 5 | 29 | 0.250 | 0.200 | -0.050 |
| 10 | 30 | 0.150 | 0.250 | 0.100 |
| 10 | 31 | 0.650 | 0.200 | -0.450 |
| 10 | 32 | 0.200 | 0.300 | 0.100 |
| 10 | 33 | 0.250 | 0.300 | 0.050 |
| 10 | 34 | 0.250 | 0.200 | -0.050 |
| 15 | 35 | 0.250 | 0.250 | 0.000 |
| 15 | 36 | 0.150 | 0.300 | 0.150 |
| 15 | 37 | 0.250 | 0.300 | 0.050 |
| 15 | 38 | 0.150 | 0.350 | 0.200 |
| 15 | 39 | 0.200 | 0.250 | 0.050 |
| 30 | 40 | 0.250 | 0.300 | 0.050 |
| 30 | 41 | 0.300 | 0.200 | -0.100 |
| 30 | 42 | 0.300 | 0.150 | -0.150 |
| 30 | 43 | 0.400 | 0.450 | 0.050 |
| 30 | 44 | 0.300 | 0.250 | -0.050 |
| 35 | 45 | 0.150 | 0.250 | 0.100 |
| 35 | 46 | 0.150 | 0.300 | 0.150 |
| 35 | 47 | 0.400 | 0.300 | -0.100 |
| 35 | 48 | 0.300 | 0.400 | 0.100 |
| 35 | 49 | 0.200 | 0.300 | 0.100 |
| 50 | 50 | 0.350 | 0.200 | -0.150 |
| 50 | 51 | 0.200 | 0.300 | 0.100 |
| 50 | 52 | 0.200 | 0.400 | 0.200 |
| 50 | 53 | 0.500 | 0.150 | -0.350 |
| 50 | 54 | 0.250 | 0.250 | 0.000 |
| 55 | 55 | 0.200 | 0.300 | 0.100 |
| 55 | 56 | 0.250 | 0.600 | 0.350 |
| 55 | 57 | 0.500 | 0.300 | -0.200 |
| 55 | 58 | 0.350 | 0.350 | 0.000 |
| 55 | 59 | 0.250 | 0.200 | -0.050 |
| 100 | 60 | 0.200 | 0.500 | 0.300 |
| 100 | 61 | 0.400 | 0.200 | -0.200 |
| 100 | 62 | 0.300 | 0.350 | 0.050 |
| 100 | 63 | 0.400 | 0.600 | 0.200 |
| 100 | 64 | 0.250 | 0.300 | 0.050 |
| 105 | 65 | 0.400 | 0.200 | -0.200 |
| 105 | 66 | 0.200 | 0.350 | 0.150 |
| 105 | 67 | 0.200 | 0.500 | 0.300 |
| 105 | 68 | 0.200 | 0.150 | -0.050 |
| 105 | 69 | 0.200 | 0.250 | 0.050 |
| | Max | 0.650 | 0.600 | 0.350 |
| | Average | 0.289 | 0.295 | 0.007 |
| | Min | 0.150 | 0.150 | -0.450 |
| | Std Dev | 0.106 | 0.103 | 0.151 |




| | 26.9_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.95 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.200 | 0.150 | 0.200 | 0.200 | 0.250 | 0.150 | 0.250 | 0.150 | 0.200 | 0.200 | 0.150 |
| Average | 0.300 | 0.260 | 0.280 | 0.250 | 0.290 | 0.270 | 0.310 | 0.260 | 0.350 | 0.390 | 0.290 |
| Max | 0.400 | 0.400 | 0.350 | 0.300 | 0.350 | 0.450 | 0.400 | 0.400 | 0.600 | 0.600 | 0.500 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

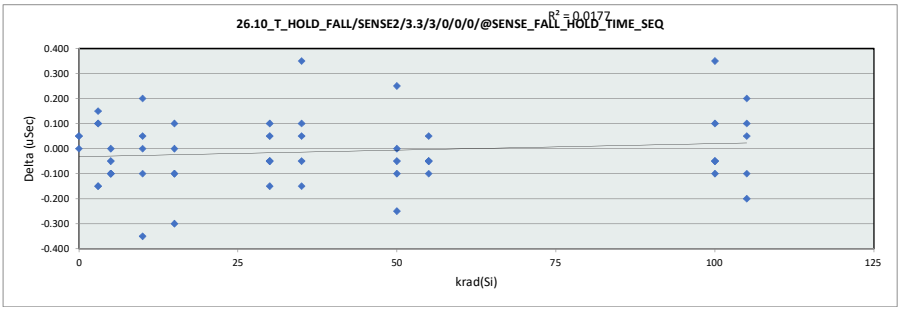


# TID HDR Report
# TPS7H3014-SP

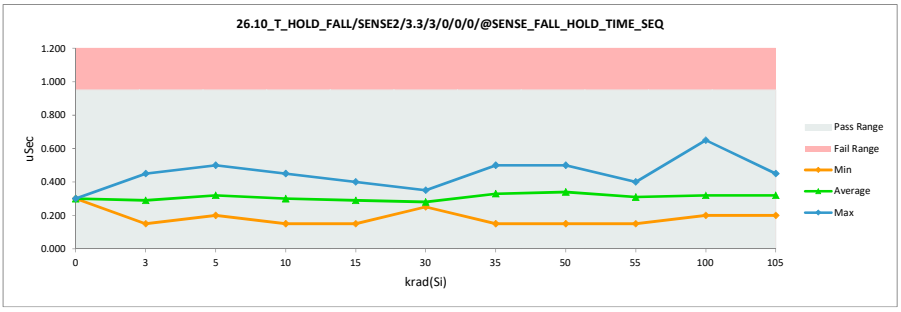
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.10_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.250 | 0.300 | 0.050 |
| 0 | 14 | 0.250 | 0.300 | 0.050 |
| 0 | 15 | 0.300 | 0.300 | 0.000 |
| 3 | 20 | 0.300 | 0.150 | -0.150 |
| 3 | 21 | 0.300 | 0.150 | -0.150 |
| 3 | 22 | 0.300 | 0.400 | 0.100 |
| 3 | 23 | 0.350 | 0.450 | 0.100 |
| 3 | 24 | 0.150 | 0.300 | 0.150 |
| 5 | 25 | 0.300 | 0.200 | -0.100 |
| 5 | 26 | 0.350 | 0.300 | -0.050 |
| 5 | 27 | 0.450 | 0.350 | -0.100 |
| 5 | 28 | 0.350 | 0.250 | -0.100 |
| 5 | 29 | 0.500 | 0.500 | 0.000 |
| 10 | 30 | 0.200 | 0.250 | 0.050 |
| 10 | 31 | 0.500 | 0.150 | -0.350 |
| 10 | 32 | 0.250 | 0.250 | 0.000 |
| 10 | 33 | 0.250 | 0.450 | 0.200 |
| 10 | 34 | 0.500 | 0.400 | -0.100 |
| 15 | 35 | 0.200 | 0.200 | 0.000 |
| 15 | 36 | 0.300 | 0.400 | 0.100 |
| 15 | 37 | 0.450 | 0.150 | -0.300 |
| 15 | 38 | 0.450 | 0.350 | -0.100 |
| 15 | 39 | 0.450 | 0.350 | -0.100 |
| 30 | 40 | 0.200 | 0.250 | 0.050 |
| 30 | 41 | 0.150 | 0.250 | 0.100 |
| 30 | 42 | 0.450 | 0.300 | -0.150 |
| 30 | 43 | 0.400 | 0.350 | -0.050 |
| 30 | 44 | 0.300 | 0.250 | -0.050 |
| 35 | 45 | 0.200 | 0.150 | -0.050 |
| 35 | 46 | 0.300 | 0.400 | 0.100 |
| 35 | 47 | 0.500 | 0.350 | -0.150 |
| 35 | 48 | 0.200 | 0.250 | 0.050 |
| 35 | 49 | 0.150 | 0.500 | 0.350 |
| 50 | 50 | 0.250 | 0.150 | -0.100 |
| 50 | 51 | 0.700 | 0.450 | -0.250 |
| 50 | 52 | 0.350 | 0.350 | 0.000 |
| 50 | 53 | 0.300 | 0.250 | -0.050 |
| 50 | 54 | 0.250 | 0.500 | 0.250 |
| 55 | 55 | 0.350 | 0.300 | -0.050 |
| 55 | 56 | 0.350 | 0.400 | 0.050 |
| 55 | 57 | 0.450 | 0.350 | -0.100 |
| 55 | 58 | 0.400 | 0.350 | -0.050 |
| 55 | 59 | 0.200 | 0.150 | -0.050 |
| 100 | 60 | 0.250 | 0.200 | -0.050 |
| 100 | 61 | 0.200 | 0.300 | 0.100 |
| 100 | 62 | 0.250 | 0.200 | -0.050 |
| 100 | 63 | 0.350 | 0.250 | -0.100 |
| 100 | 64 | 0.300 | 0.650 | 0.350 |
| 105 | 65 | 0.250 | 0.300 | 0.050 |
| 105 | 66 | 0.350 | 0.450 | 0.100 |
| 105 | 67 | 0.500 | 0.300 | -0.200 |
| 105 | 68 | 0.150 | 0.350 | 0.200 |
| 105 | 69 | 0.300 | 0.200 | -0.100 |
| | Max | 0.700 | 0.650 | 0.350 |
| | Average | 0.322 | 0.309 | -0.012 |
| | Min | 0.150 | 0.150 | -0.350 |
| | Std Dev | 0.115 | 0.110 | 0.140 |




| | 26.10_T_HOLD_FALL/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.95 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.300 | 0.150 | 0.200 | 0.150 | 0.150 | 0.250 | 0.150 | 0.150 | 0.150 | 0.200 | 0.200 |
| Average | 0.300 | 0.290 | 0.320 | 0.300 | 0.290 | 0.280 | 0.330 | 0.340 | 0.310 | 0.320 | 0.320 |
| Max | 0.300 | 0.450 | 0.500 | 0.450 | 0.400 | 0.350 | 0.500 | 0.500 | 0.400 | 0.650 | 0.450 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

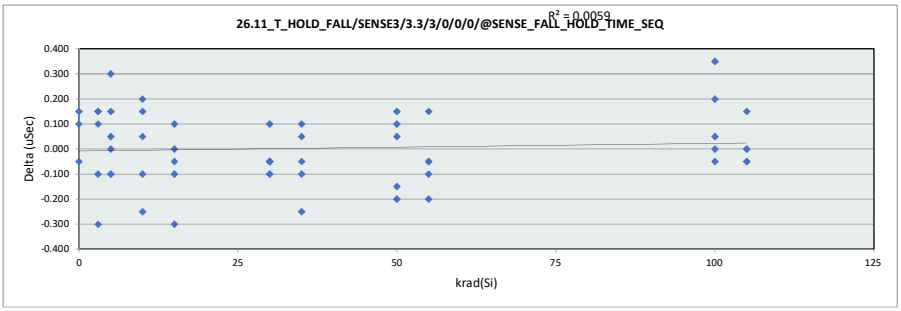


# TID HDR Report
# TPS7H3014-SP

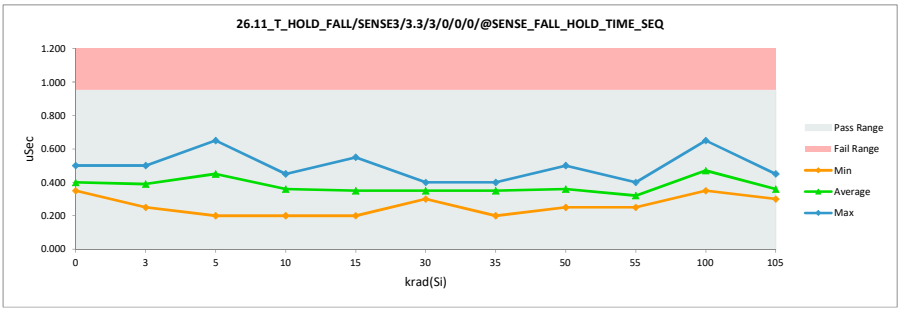
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.11_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.200 | 0.350 | 0.150 |
| 0 | 14 | 0.400 | 0.350 | -0.050 |
| 0 | 15 | 0.400 | 0.500 | 0.100 |
| 3 | 20 | 0.300 | 0.450 | 0.150 |
| 3 | 21 | 0.550 | 0.250 | -0.300 |
| 3 | 22 | 0.300 | 0.400 | 0.100 |
| 3 | 23 | 0.350 | 0.500 | 0.150 |
| 3 | 24 | 0.450 | 0.350 | -0.100 |
| 5 | 25 | 0.500 | 0.550 | 0.050 |
| 5 | 26 | 0.500 | 0.650 | 0.150 |
| 5 | 27 | 0.400 | 0.300 | -0.100 |
| 5 | 28 | 0.200 | 0.200 | 0.000 |
| 5 | 29 | 0.250 | 0.550 | 0.300 |
| 10 | 30 | 0.450 | 0.350 | -0.100 |
| 10 | 31 | 0.300 | 0.450 | 0.150 |
| 10 | 32 | 0.350 | 0.400 | 0.050 |
| 10 | 33 | 0.200 | 0.400 | 0.200 |
| 10 | 34 | 0.450 | 0.200 | -0.250 |
| 15 | 35 | 0.250 | 0.200 | -0.050 |
| 15 | 36 | 0.450 | 0.550 | 0.100 |
| 15 | 37 | 0.350 | 0.250 | -0.100 |
| 15 | 38 | 0.400 | 0.400 | 0.000 |
| 15 | 39 | 0.650 | 0.350 | -0.300 |
| 30 | 40 | 0.350 | 0.300 | -0.050 |
| 30 | 41 | 0.250 | 0.350 | 0.100 |
| 30 | 42 | 0.400 | 0.350 | -0.050 |
| 30 | 43 | 0.500 | 0.400 | -0.100 |
| 30 | 44 | 0.400 | 0.350 | -0.050 |
| 35 | 45 | 0.450 | 0.400 | -0.050 |
| 35 | 46 | 0.450 | 0.200 | -0.250 |
| 35 | 47 | 0.300 | 0.400 | 0.100 |
| 35 | 48 | 0.500 | 0.400 | -0.100 |
| 35 | 49 | 0.300 | 0.350 | 0.050 |
| 50 | 50 | 0.300 | 0.350 | 0.050 |
| 50 | 51 | 0.400 | 0.500 | 0.100 |
| 50 | 52 | 0.400 | 0.250 | -0.150 |
| 50 | 53 | 0.200 | 0.350 | 0.150 |
| 50 | 54 | 0.550 | 0.350 | -0.200 |
| 55 | 55 | 0.300 | 0.250 | -0.050 |
| 55 | 56 | 0.250 | 0.400 | 0.150 |
| 55 | 57 | 0.500 | 0.400 | -0.100 |
| 55 | 58 | 0.350 | 0.300 | -0.050 |
| 55 | 59 | 0.450 | 0.250 | -0.200 |
| 100 | 60 | 0.300 | 0.500 | 0.200 |
| 100 | 61 | 0.350 | 0.400 | 0.050 |
| 100 | 62 | 0.350 | 0.350 | 0.000 |
| 100 | 63 | 0.500 | 0.450 | -0.050 |
| 100 | 64 | 0.300 | 0.650 | 0.350 |
| 105 | 65 | 0.300 | 0.300 | 0.000 |
| 105 | 66 | 0.350 | 0.300 | -0.050 |
| 105 | 67 | 0.450 | 0.400 | -0.050 |
| 105 | 68 | 0.350 | 0.350 | 0.000 |
| 105 | 69 | 0.300 | 0.450 | 0.150 |
| | Max | 0.650 | 0.650 | 0.350 |
| | Average | 0.374 | 0.377 | 0.004 |
| | Min | 0.200 | 0.200 | -0.300 |
| | Std Dev | 0.101 | 0.105 | 0.142 |




| | 26.11_T_HOLD_FALL/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.95 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.350 | 0.250 | 0.200 | 0.200 | 0.200 | 0.300 | 0.200 | 0.250 | 0.250 | 0.350 | 0.300 |
| Average | 0.400 | 0.390 | 0.450 | 0.360 | 0.350 | 0.350 | 0.350 | 0.360 | 0.320 | 0.470 | 0.360 |
| Max | 0.500 | 0.500 | 0.650 | 0.450 | 0.550 | 0.400 | 0.400 | 0.500 | 0.400 | 0.650 | 0.450 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

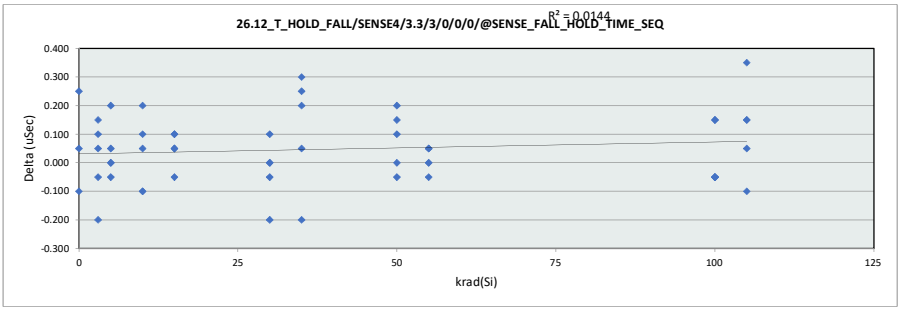


# TID HDR Report
# TPS7H3014-SP

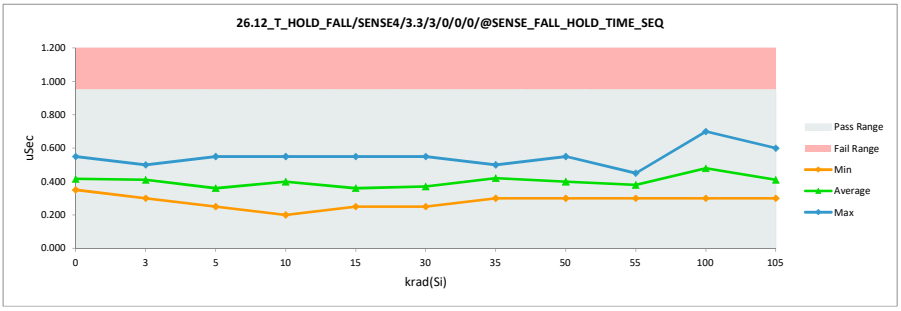
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.12_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.300 | 0.350 | 0.050 |
| 0 | 14 | 0.300 | 0.550 | 0.250 |
| 0 | 15 | 0.450 | 0.350 | -0.100 |
| 3 | 20 | 0.500 | 0.300 | -0.200 |
| 3 | 21 | 0.400 | 0.450 | 0.050 |
| 3 | 22 | 0.400 | 0.500 | 0.100 |
| 3 | 23 | 0.350 | 0.300 | -0.050 |
| 3 | 24 | 0.350 | 0.500 | 0.150 |
| 5 | 25 | 0.300 | 0.300 | 0.000 |
| 5 | 26 | 0.350 | 0.350 | 0.000 |
| 5 | 27 | 0.300 | 0.250 | -0.050 |
| 5 | 28 | 0.350 | 0.550 | 0.200 |
| 5 | 29 | 0.300 | 0.350 | 0.050 |
| 10 | 30 | 0.200 | 0.400 | 0.200 |
| 10 | 31 | 0.400 | 0.450 | 0.050 |
| 10 | 32 | 0.300 | 0.200 | -0.100 |
| 10 | 33 | 0.500 | 0.400 | -0.100 |
| 10 | 34 | 0.450 | 0.550 | 0.100 |
| 15 | 35 | 0.300 | 0.250 | -0.050 |
| 15 | 36 | 0.450 | 0.550 | 0.100 |
| 15 | 37 | 0.250 | 0.300 | 0.050 |
| 15 | 38 | 0.300 | 0.350 | 0.050 |
| 15 | 39 | 0.250 | 0.350 | 0.100 |
| 30 | 40 | 0.350 | 0.300 | -0.050 |
| 30 | 41 | 0.600 | 0.400 | -0.200 |
| 30 | 42 | 0.550 | 0.550 | 0.000 |
| 30 | 43 | 0.250 | 0.350 | 0.100 |
| 30 | 44 | 0.250 | 0.250 | 0.000 |
| 35 | 45 | 0.250 | 0.300 | 0.050 |
| 35 | 46 | 0.250 | 0.500 | 0.250 |
| 35 | 47 | 0.250 | 0.450 | 0.200 |
| 35 | 48 | 0.200 | 0.500 | 0.300 |
| 35 | 49 | 0.550 | 0.350 | -0.200 |
| 50 | 50 | 0.350 | 0.300 | -0.050 |
| 50 | 51 | 0.350 | 0.550 | 0.200 |
| 50 | 52 | 0.350 | 0.350 | 0.000 |
| 50 | 53 | 0.300 | 0.400 | 0.100 |
| 50 | 54 | 0.250 | 0.400 | 0.150 |
| 55 | 55 | 0.400 | 0.350 | -0.050 |
| 55 | 56 | 0.400 | 0.400 | 0.000 |
| 55 | 57 | 0.300 | 0.300 | 0.000 |
| 55 | 58 | 0.350 | 0.400 | 0.050 |
| 55 | 59 | 0.400 | 0.450 | 0.050 |
| 100 | 60 | 0.350 | 0.500 | 0.150 |
| 100 | 61 | 0.550 | 0.500 | -0.050 |
| 100 | 62 | 0.450 | 0.400 | -0.050 |
| 100 | 63 | 0.350 | 0.300 | -0.050 |
| 100 | 64 | 0.550 | 0.700 | 0.150 |
| 105 | 65 | 0.250 | 0.300 | 0.050 |
| 105 | 66 | 0.200 | 0.350 | 0.150 |
| 105 | 67 | 0.350 | 0.500 | 0.150 |
| 105 | 68 | 0.250 | 0.600 | 0.350 |
| 105 | 69 | 0.400 | 0.300 | -0.100 |
| | Max | 0.600 | 0.700 | 0.350 |
| | Average | 0.353 | 0.400 | 0.047 |
| | Min | 0.200 | 0.200 | -0.200 |
| | Std Dev | 0.100 | 0.107 | 0.123 |




| | 26.12_T_HOLD_FALL/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.95 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.350 | 0.300 | 0.250 | 0.200 | 0.250 | 0.250 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 |
| Average | 0.417 | 0.410 | 0.360 | 0.400 | 0.360 | 0.370 | 0.420 | 0.400 | 0.380 | 0.480 | 0.410 |
| Max | 0.550 | 0.500 | 0.550 | 0.550 | 0.550 | 0.550 | 0.500 | 0.550 | 0.450 | 0.700 | 0.600 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

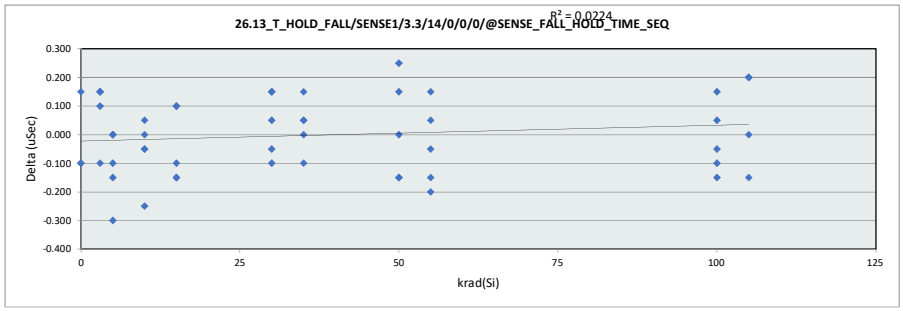


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

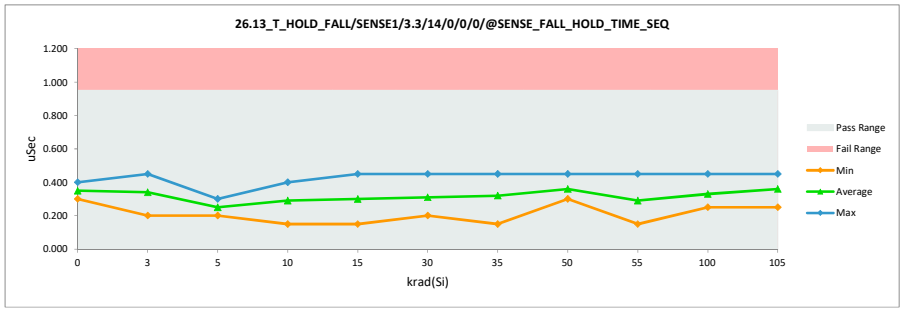
| | 26.13_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.450 | 0.350 | -0.100 |
| 0 | 14 | 0.400 | 0.300 | -0.100 |
| 0 | 15 | 0.250 | 0.400 | 0.150 |
| 3 | 20 | 0.250 | 0.350 | 0.100 |
| 3 | 21 | 0.300 | 0.200 | -0.100 |
| 3 | 22 | 0.300 | 0.450 | 0.150 |
| 3 | 23 | 0.200 | 0.350 | 0.150 |
| 3 | 24 | 0.200 | 0.350 | 0.150 |
| 5 | 25 | 0.350 | 0.250 | -0.100 |
| 5 | 26 | 0.200 | 0.200 | 0.000 |
| 5 | 27 | 0.550 | 0.250 | -0.300 |
| 5 | 28 | 0.450 | 0.300 | -0.150 |
| 5 | 29 | 0.250 | 0.250 | 0.000 |
| 10 | 30 | 0.450 | 0.400 | -0.050 |
| 10 | 31 | 0.350 | 0.300 | -0.050 |
| 10 | 32 | 0.400 | 0.150 | -0.250 |
| 10 | 33 | 0.300 | 0.300 | 0.000 |
| 10 | 34 | 0.250 | 0.300 | 0.050 |
| 15 | 35 | 0.250 | 0.150 | -0.100 |
| 15 | 36 | 0.550 | 0.400 | -0.150 |
| 15 | 37 | 0.200 | 0.300 | 0.100 |
| 15 | 38 | 0.350 | 0.200 | -0.150 |
| 15 | 39 | 0.350 | 0.450 | 0.100 |
| 30 | 40 | 0.300 | 0.450 | 0.150 |
| 30 | 41 | 0.300 | 0.350 | 0.050 |
| 30 | 42 | 0.300 | 0.200 | -0.100 |
| 30 | 43 | 0.250 | 0.200 | -0.050 |
| 30 | 44 | 0.200 | 0.350 | 0.150 |
| 35 | 45 | 0.350 | 0.400 | 0.050 |
| 35 | 46 | 0.300 | 0.450 | 0.150 |
| 35 | 47 | 0.350 | 0.400 | 0.050 |
| 35 | 48 | 0.150 | 0.150 | 0.000 |
| 35 | 49 | 0.300 | 0.200 | -0.100 |
| 50 | 50 | 0.350 | 0.350 | 0.000 |
| 50 | 51 | 0.200 | 0.450 | 0.250 |
| 50 | 52 | 0.200 | 0.350 | 0.150 |
| 50 | 53 | 0.500 | 0.350 | -0.150 |
| 50 | 54 | 0.450 | 0.300 | -0.150 |
| 55 | 55 | 0.300 | 0.450 | 0.150 |
| 55 | 56 | 0.250 | 0.300 | 0.050 |
| 55 | 57 | 0.200 | 0.150 | -0.050 |
| 55 | 58 | 0.400 | 0.250 | -0.150 |
| 55 | 59 | 0.500 | 0.300 | -0.200 |
| 100 | 60 | 0.400 | 0.450 | 0.050 |
| 100 | 61 | 0.400 | 0.250 | -0.150 |
| 100 | 62 | 0.300 | 0.250 | -0.050 |
| 100 | 63 | 0.200 | 0.350 | 0.150 |
| 100 | 64 | 0.450 | 0.350 | -0.100 |
| 105 | 65 | 0.400 | 0.250 | -0.150 |
| 105 | 66 | 0.200 | 0.400 | 0.200 |
| 105 | 67 | 0.250 | 0.450 | 0.200 |
| 105 | 68 | 0.250 | 0.250 | 0.000 |
| 105 | 69 | 0.250 | 0.450 | 0.200 |
| | Max | 0.550 | 0.450 | 0.250 |
| | Average | 0.318 | 0.317 | -0.001 |
| | Min | 0.150 | 0.150 | -0.300 |
| | Std Dev | 0.101 | 0.092 | 0.133 |




| | 26.13_T_HOLD_FALL/S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.95 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.300 | 0.200 | 0.200 | 0.150 | 0.150 | 0.200 | 0.150 | 0.300 | 0.150 | 0.250 | 0.250 |
| Average | 0.350 | 0.340 | 0.250 | 0.290 | 0.300 | 0.310 | 0.320 | 0.360 | 0.290 | 0.330 | 0.360 |
| Max | 0.400 | 0.450 | 0.300 | 0.400 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

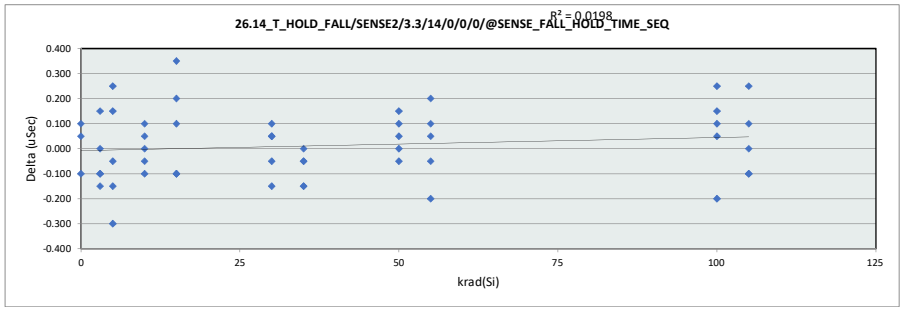


# TID HDR Report
# TPS7H3014-SP

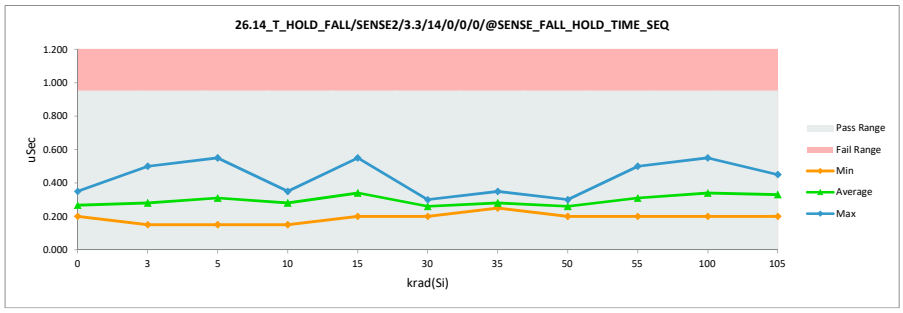
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.14_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.200 | 0.250 | 0.050 |
| 0 | 14 | 0.300 | 0.200 | -0.100 |
| 0 | 15 | 0.250 | 0.350 | 0.100 |
| 3 | 20 | 0.350 | 0.500 | 0.150 |
| 3 | 21 | 0.250 | 0.150 | -0.100 |
| 3 | 22 | 0.300 | 0.200 | -0.100 |
| 3 | 23 | 0.350 | 0.350 | 0.000 |
| 3 | 24 | 0.350 | 0.200 | -0.150 |
| 5 | 25 | 0.350 | 0.300 | -0.050 |
| 5 | 26 | 0.300 | 0.550 | 0.250 |
| 5 | 27 | 0.200 | 0.350 | 0.150 |
| 5 | 28 | 0.500 | 0.200 | -0.300 |
| 5 | 29 | 0.300 | 0.150 | -0.150 |
| 10 | 30 | 0.300 | 0.350 | 0.050 |
| 10 | 31 | 0.300 | 0.250 | -0.050 |
| 10 | 32 | 0.250 | 0.350 | 0.100 |
| 10 | 33 | 0.300 | 0.300 | 0.000 |
| 10 | 34 | 0.250 | 0.150 | -0.100 |
| 15 | 35 | 0.200 | 0.550 | 0.350 |
| 15 | 36 | 0.300 | 0.200 | -0.100 |
| 15 | 37 | 0.250 | 0.350 | 0.100 |
| 15 | 38 | 0.200 | 0.400 | 0.200 |
| 15 | 39 | 0.300 | 0.200 | -0.100 |
| 30 | 40 | 0.250 | 0.300 | 0.050 |
| 30 | 41 | 0.350 | 0.300 | -0.050 |
| 30 | 42 | 0.150 | 0.200 | 0.050 |
| 30 | 43 | 0.200 | 0.300 | 0.100 |
| 30 | 44 | 0.350 | 0.200 | -0.150 |
| 35 | 45 | 0.500 | 0.350 | -0.150 |
| 35 | 46 | 0.300 | 0.250 | -0.050 |
| 35 | 47 | 0.250 | 0.250 | 0.000 |
| 35 | 48 | 0.300 | 0.250 | -0.050 |
| 35 | 49 | 0.450 | 0.300 | -0.150 |
| 50 | 50 | 0.200 | 0.200 | 0.000 |
| 50 | 51 | 0.250 | 0.300 | 0.050 |
| 50 | 52 | 0.250 | 0.200 | -0.050 |
| 50 | 53 | 0.150 | 0.300 | 0.150 |
| 50 | 54 | 0.200 | 0.300 | 0.100 |
| 55 | 55 | 0.200 | 0.400 | 0.200 |
| 55 | 56 | 0.250 | 0.200 | -0.050 |
| 55 | 57 | 0.150 | 0.250 | 0.100 |
| 55 | 58 | 0.450 | 0.500 | 0.050 |
| 55 | 59 | 0.400 | 0.200 | -0.200 |
| 100 | 60 | 0.150 | 0.200 | 0.050 |
| 100 | 61 | 0.300 | 0.550 | 0.250 |
| 100 | 62 | 0.200 | 0.300 | 0.100 |
| 100 | 63 | 0.300 | 0.450 | 0.150 |
| 100 | 64 | 0.400 | 0.200 | -0.200 |
| 105 | 65 | 0.200 | 0.450 | 0.250 |
| 105 | 66 | 0.300 | 0.200 | -0.100 |
| 105 | 67 | 0.350 | 0.350 | 0.000 |
| 105 | 68 | 0.300 | 0.200 | -0.100 |
| 105 | 69 | 0.350 | 0.450 | 0.100 |
| | Max | 0.500 | 0.550 | 0.350 |
| | Average | 0.285 | 0.297 | 0.012 |
| | Min | 0.150 | 0.150 | -0.300 |
| | Std Dev | 0.084 | 0.109 | 0.135 |




| | 26.14_T_HOLD_FALL/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.95 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.200 | 0.150 | 0.150 | 0.150 | 0.200 | 0.200 | 0.250 | 0.200 | 0.200 | 0.200 | 0.200 |
| Average | 0.267 | 0.280 | 0.310 | 0.280 | 0.340 | 0.260 | 0.280 | 0.260 | 0.310 | 0.340 | 0.330 |
| Max | 0.350 | 0.500 | 0.550 | 0.350 | 0.550 | 0.300 | 0.350 | 0.300 | 0.500 | 0.550 | 0.450 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

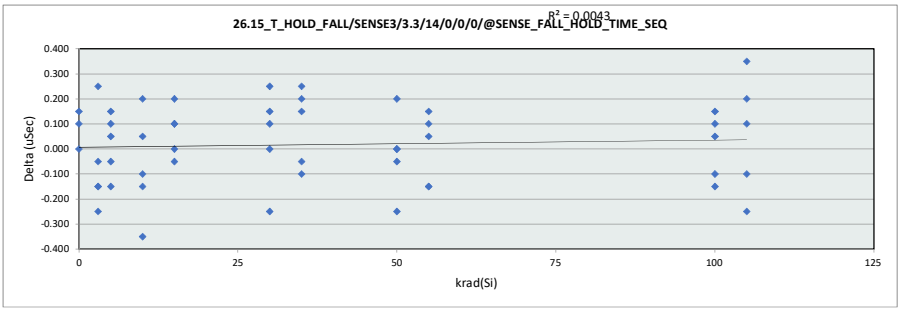


# TID HDR Report
# TPS7H3014-SP

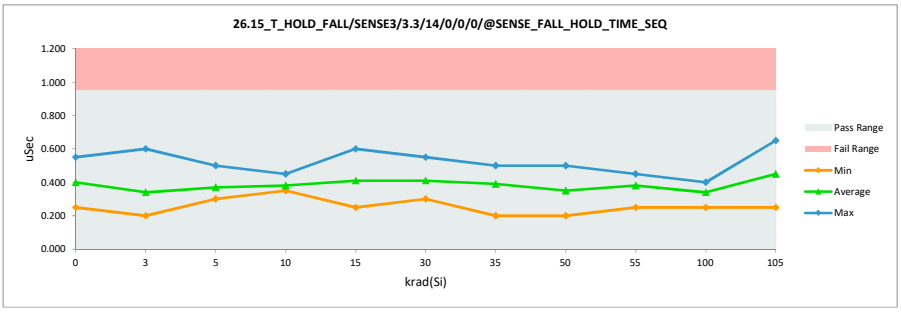
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.15_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.250 | 0.250 | 0.000 |
| 0 | 14 | 0.450 | 0.550 | 0.100 |
| 0 | 15 | 0.250 | 0.400 | 0.150 |
| 3 | 20 | 0.450 | 0.300 | -0.150 |
| 3 | 21 | 0.450 | 0.200 | -0.250 |
| 3 | 22 | 0.400 | 0.350 | -0.050 |
| 3 | 23 | 0.350 | 0.600 | 0.250 |
| 3 | 24 | 0.400 | 0.250 | -0.150 |
| 5 | 25 | 0.400 | 0.350 | -0.050 |
| 5 | 26 | 0.250 | 0.300 | 0.050 |
| 5 | 27 | 0.250 | 0.400 | 0.150 |
| 5 | 28 | 0.450 | 0.300 | -0.150 |
| 5 | 29 | 0.400 | 0.500 | 0.100 |
| 10 | 30 | 0.350 | 0.400 | 0.050 |
| 10 | 31 | 0.250 | 0.450 | 0.200 |
| 10 | 32 | 0.700 | 0.350 | -0.350 |
| 10 | 33 | 0.450 | 0.350 | -0.100 |
| 10 | 34 | 0.500 | 0.350 | -0.150 |
| 15 | 35 | 0.350 | 0.450 | 0.100 |
| 15 | 36 | 0.300 | 0.400 | 0.100 |
| 15 | 37 | 0.350 | 0.350 | 0.000 |
| 15 | 38 | 0.300 | 0.250 | -0.050 |
| 15 | 39 | 0.400 | 0.600 | 0.200 |
| 30 | 40 | 0.300 | 0.550 | 0.250 |
| 30 | 41 | 0.300 | 0.450 | 0.150 |
| 30 | 42 | 0.300 | 0.400 | 0.100 |
| 30 | 43 | 0.600 | 0.350 | -0.250 |
| 30 | 44 | 0.300 | 0.300 | 0.000 |
| 35 | 45 | 0.250 | 0.400 | 0.150 |
| 35 | 46 | 0.250 | 0.500 | 0.250 |
| 35 | 47 | 0.300 | 0.500 | 0.200 |
| 35 | 48 | 0.300 | 0.200 | -0.100 |
| 35 | 49 | 0.400 | 0.350 | -0.050 |
| 50 | 50 | 0.250 | 0.450 | 0.200 |
| 50 | 51 | 0.200 | 0.200 | 0.000 |
| 50 | 52 | 0.350 | 0.350 | 0.000 |
| 50 | 53 | 0.500 | 0.250 | -0.250 |
| 50 | 54 | 0.550 | 0.500 | -0.050 |
| 55 | 55 | 0.400 | 0.250 | -0.150 |
| 55 | 56 | 0.350 | 0.450 | 0.100 |
| 55 | 57 | 0.300 | 0.450 | 0.150 |
| 55 | 58 | 0.500 | 0.350 | -0.150 |
| 55 | 59 | 0.350 | 0.400 | 0.050 |
| 100 | 60 | 0.250 | 0.400 | 0.150 |
| 100 | 61 | 0.300 | 0.400 | 0.100 |
| 100 | 62 | 0.400 | 0.300 | -0.100 |
| 100 | 63 | 0.400 | 0.250 | -0.150 |
| 100 | 64 | 0.300 | 0.350 | 0.050 |
| 105 | 65 | 0.300 | 0.650 | 0.350 |
| 105 | 66 | 0.250 | 0.450 | 0.200 |
| 105 | 67 | 0.500 | 0.250 | -0.250 |
| 105 | 68 | 0.450 | 0.350 | -0.100 |
| 105 | 69 | 0.450 | 0.550 | 0.100 |
| | Max | 0.700 | 0.650 | 0.350 |
| | Average | 0.365 | 0.383 | 0.018 |
| | Min | 0.200 | 0.200 | -0.350 |
| | Std Dev | 0.103 | 0.108 | 0.158 |




| | 26.15_T_HOLD_FALL/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.95 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.250 | 0.200 | 0.300 | 0.350 | 0.250 | 0.300 | 0.200 | 0.200 | 0.250 | 0.250 | 0.250 |
| Average | 0.400 | 0.340 | 0.370 | 0.380 | 0.410 | 0.410 | 0.390 | 0.350 | 0.380 | 0.340 | 0.450 |
| Max | 0.550 | 0.600 | 0.500 | 0.450 | 0.600 | 0.550 | 0.500 | 0.500 | 0.450 | 0.400 | 0.650 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

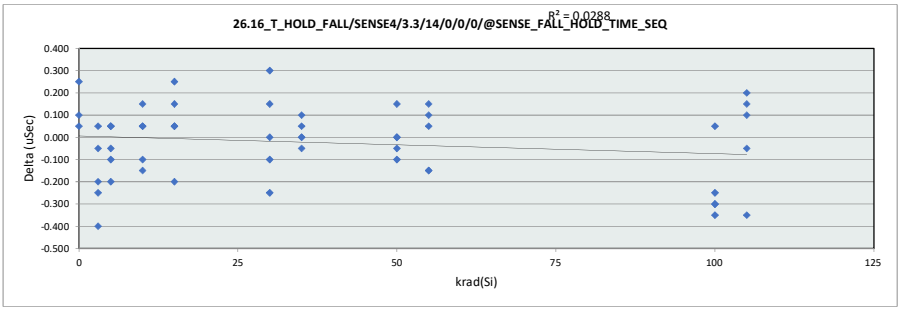


# TID HDR Report
# TPS7H3014-SP

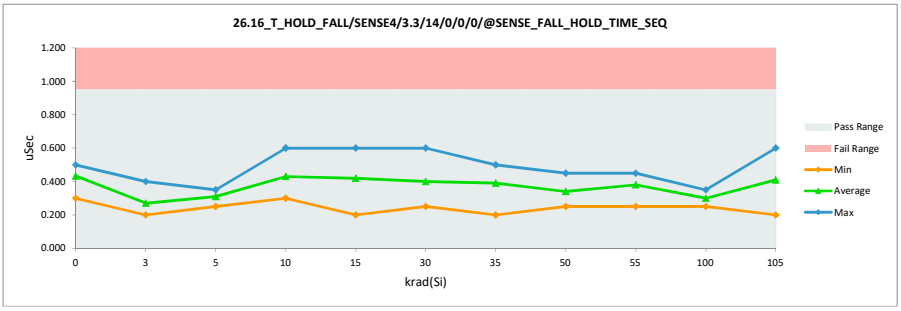
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 26.16_T_HOLD_FALL/SE | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 1 | 0.95 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.250 | 0.500 | 0.250 |
| 0 | 14 | 0.250 | 0.300 | 0.050 |
| 0 | 15 | 0.400 | 0.500 | 0.100 |
| 3 | 20 | 0.350 | 0.300 | -0.050 |
| 3 | 21 | 0.350 | 0.400 | 0.050 |
| 3 | 22 | 0.450 | 0.200 | -0.250 |
| 3 | 23 | 0.600 | 0.200 | -0.400 |
| 3 | 24 | 0.450 | 0.250 | -0.200 |
| 5 | 25 | 0.250 | 0.300 | 0.050 |
| 5 | 26 | 0.250 | 0.300 | 0.050 |
| 5 | 27 | 0.450 | 0.350 | -0.100 |
| 5 | 28 | 0.400 | 0.350 | -0.050 |
| 5 | 29 | 0.450 | 0.250 | -0.200 |
| 10 | 30 | 0.400 | 0.450 | 0.050 |
| 10 | 31 | 0.450 | 0.600 | 0.150 |
| 10 | 32 | 0.450 | 0.300 | -0.150 |
| 10 | 33 | 0.500 | 0.400 | -0.100 |
| 10 | 34 | 0.350 | 0.400 | 0.050 |
| 15 | 35 | 0.400 | 0.200 | -0.200 |
| 15 | 36 | 0.350 | 0.400 | 0.050 |
| 15 | 37 | 0.250 | 0.400 | 0.150 |
| 15 | 38 | 0.350 | 0.600 | 0.250 |
| 15 | 39 | 0.450 | 0.500 | 0.050 |
| 30 | 40 | 0.450 | 0.450 | 0.000 |
| 30 | 41 | 0.400 | 0.300 | -0.100 |
| 30 | 42 | 0.500 | 0.250 | -0.250 |
| 30 | 43 | 0.300 | 0.600 | 0.300 |
| 30 | 44 | 0.250 | 0.400 | 0.150 |
| 35 | 45 | 0.400 | 0.500 | 0.100 |
| 35 | 46 | 0.250 | 0.200 | -0.050 |
| 35 | 47 | 0.450 | 0.450 | 0.000 |
| 35 | 48 | 0.350 | 0.400 | 0.050 |
| 35 | 49 | 0.400 | 0.400 | 0.000 |
| 50 | 50 | 0.300 | 0.300 | 0.000 |
| 50 | 51 | 0.350 | 0.250 | -0.100 |
| 50 | 52 | 0.350 | 0.350 | 0.000 |
| 50 | 53 | 0.400 | 0.350 | -0.050 |
| 50 | 54 | 0.300 | 0.450 | 0.150 |
| 55 | 55 | 0.350 | 0.450 | 0.100 |
| 55 | 56 | 0.500 | 0.350 | -0.150 |
| 55 | 57 | 0.400 | 0.250 | -0.150 |
| 55 | 58 | 0.250 | 0.400 | 0.150 |
| 55 | 59 | 0.400 | 0.450 | 0.050 |
| 100 | 60 | 0.600 | 0.250 | -0.350 |
| 100 | 61 | 0.650 | 0.350 | -0.300 |
| 100 | 62 | 0.500 | 0.250 | -0.250 |
| 100 | 63 | 0.250 | 0.300 | 0.050 |
| 100 | 64 | 0.650 | 0.350 | -0.300 |
| 105 | 65 | 0.300 | 0.450 | 0.150 |
| 105 | 66 | 0.400 | 0.350 | -0.050 |
| 105 | 67 | 0.400 | 0.600 | 0.200 |
| 105 | 68 | 0.350 | 0.450 | 0.100 |
| 105 | 69 | 0.550 | 0.200 | -0.350 |
| | Max | 0.650 | 0.600 | 0.300 |
| | Average | 0.393 | 0.369 | -0.025 |
| | Min | 0.250 | 0.200 | -0.400 |
| | Std Dev | 0.103 | 0.110 | 0.166 |




| | 26.16_T_HOLD_FALL/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.95 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.300 | 0.200 | 0.250 | 0.300 | 0.200 | 0.250 | 0.200 | 0.250 | 0.250 | 0.250 | 0.200 |
| Average | 0.433 | 0.270 | 0.310 | 0.430 | 0.420 | 0.400 | 0.390 | 0.340 | 0.380 | 0.300 | 0.410 |
| Max | 0.500 | 0.400 | 0.350 | 0.600 | 0.600 | 0.600 | 0.500 | 0.450 | 0.450 | 0.350 | 0.600 |
| UL | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 | 0.950 |

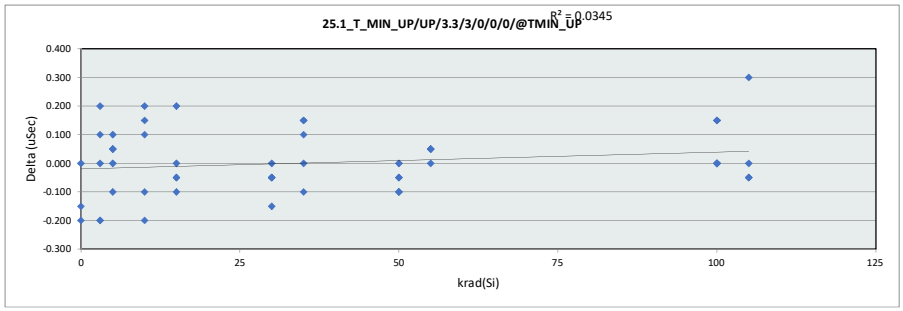


# TID HDR Report
# TPS7H3014-SP

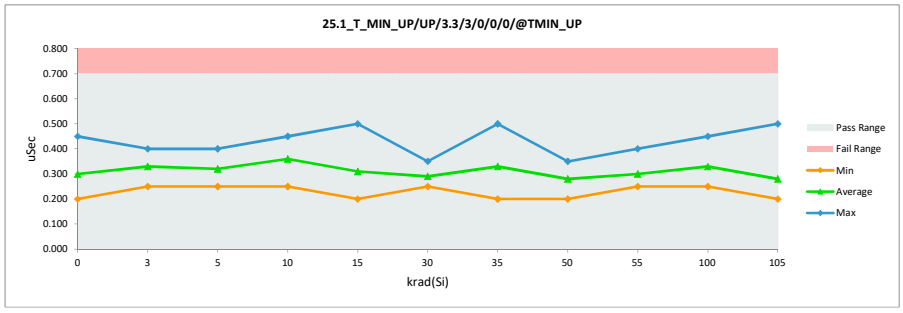
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 25.1_T_MIN_UP/UP/3.3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 0.7 | 0.7 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.400 | 0.200 | -0.200 |
| 0 | 14 | 0.400 | 0.250 | -0.150 |
| 0 | 15 | 0.450 | 0.450 | 0.000 |
| 3 | 20 | 0.450 | 0.250 | -0.200 |
| 3 | 21 | 0.350 | 0.350 | 0.000 |
| 3 | 22 | 0.200 | 0.400 | 0.200 |
| 3 | 23 | 0.450 | 0.250 | -0.200 |
| 3 | 24 | 0.300 | 0.400 | 0.100 |
| 5 | 25 | 0.200 | 0.250 | 0.050 |
| 5 | 26 | 0.300 | 0.350 | 0.050 |
| 5 | 27 | 0.250 | 0.350 | 0.100 |
| 5 | 28 | 0.350 | 0.250 | -0.100 |
| 5 | 29 | 0.400 | 0.400 | 0.000 |
| 10 | 30 | 0.300 | 0.400 | 0.100 |
| 10 | 31 | 0.400 | 0.300 | -0.100 |
| 10 | 32 | 0.250 | 0.450 | 0.200 |
| 10 | 33 | 0.250 | 0.400 | 0.150 |
| 10 | 34 | 0.450 | 0.250 | -0.200 |
| 15 | 35 | 0.300 | 0.500 | 0.200 |
| 15 | 36 | 0.400 | 0.300 | -0.100 |
| 15 | 37 | 0.350 | 0.350 | 0.000 |
| 15 | 38 | 0.250 | 0.200 | -0.050 |
| 15 | 39 | 0.250 | 0.200 | -0.050 |
| 30 | 40 | 0.400 | 0.250 | -0.150 |
| 30 | 41 | 0.300 | 0.250 | -0.050 |
| 30 | 42 | 0.350 | 0.350 | 0.000 |
| 30 | 43 | 0.400 | 0.350 | -0.050 |
| 30 | 44 | 0.300 | 0.250 | -0.050 |
| 35 | 45 | 0.200 | 0.350 | 0.150 |
| 35 | 46 | 0.300 | 0.300 | 0.000 |
| 35 | 47 | 0.350 | 0.500 | 0.150 |
| 35 | 48 | 0.200 | 0.300 | 0.100 |
| 35 | 49 | 0.300 | 0.200 | -0.100 |
| 50 | 50 | 0.250 | 0.200 | -0.050 |
| 50 | 51 | 0.300 | 0.300 | 0.000 |
| 50 | 52 | 0.450 | 0.350 | -0.100 |
| 50 | 53 | 0.350 | 0.250 | -0.100 |
| 50 | 54 | 0.350 | 0.300 | -0.050 |
| 55 | 55 | 0.250 | 0.300 | 0.050 |
| 55 | 56 | 0.250 | 0.250 | 0.000 |
| 55 | 57 | 0.200 | 0.250 | 0.050 |
| 55 | 58 | 0.350 | 0.400 | 0.050 |
| 55 | 59 | 0.250 | 0.300 | 0.050 |
| 100 | 60 | 0.300 | 0.300 | 0.000 |
| 100 | 61 | 0.250 | 0.400 | 0.150 |
| 100 | 62 | 0.250 | 0.250 | 0.000 |
| 100 | 63 | 0.300 | 0.450 | 0.150 |
| 100 | 64 | 0.250 | 0.250 | 0.000 |
| 105 | 65 | 0.250 | 0.250 | 0.000 |
| 105 | 66 | 0.250 | 0.200 | -0.050 |
| 105 | 67 | 0.300 | 0.250 | -0.050 |
| 105 | 68 | 0.200 | 0.500 | 0.300 |
| 105 | 69 | 0.250 | 0.200 | -0.050 |
| | Max | 0.450 | 0.500 | 0.300 |
| | Average | 0.309 | 0.312 | 0.003 |
| | Min | 0.200 | 0.200 | -0.200 |
| | Std Dev | 0.075 | 0.085 | 0.113 |




| | 25.1_T_MIN_UP/UP/3. | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.7 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.200 | 0.250 | 0.250 | 0.250 | 0.200 | 0.250 | 0.200 | 0.200 | 0.250 | 0.250 | 0.200 |
| Average | 0.300 | 0.330 | 0.320 | 0.360 | 0.310 | 0.290 | 0.330 | 0.280 | 0.300 | 0.330 | 0.280 |
| Max | 0.450 | 0.400 | 0.400 | 0.450 | 0.500 | 0.350 | 0.500 | 0.350 | 0.400 | 0.450 | 0.500 |
| UL | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 |

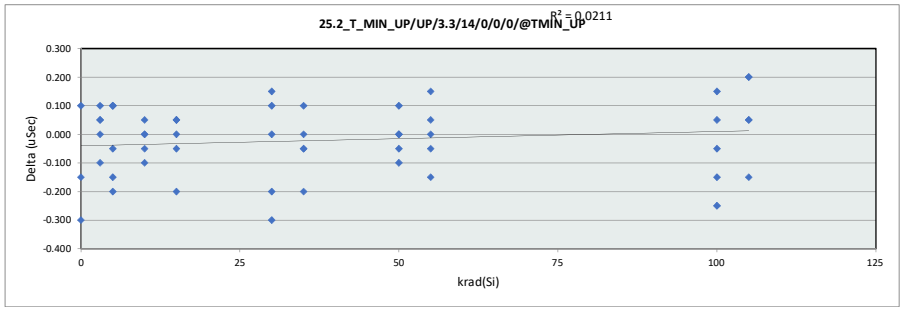


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

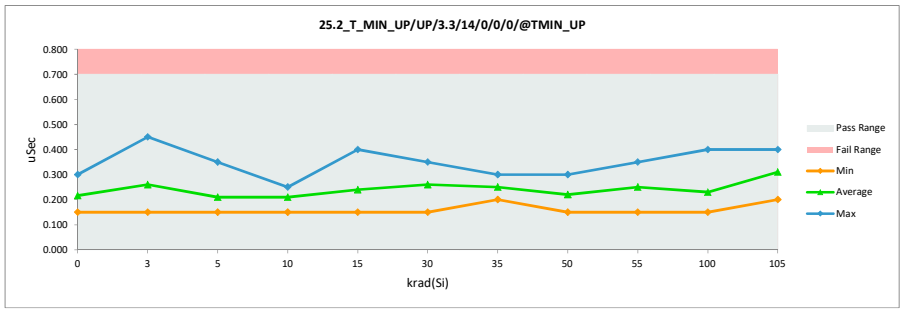
| | 25.2_T_MIN_UP/UP/3.3 | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 0.7 | 0.7 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.200 | 0.300 | 0.100 |
| 0 | 14 | 0.450 | 0.150 | -0.300 |
| 0 | 15 | 0.350 | 0.200 | -0.150 |
| 3 | 20 | 0.150 | 0.200 | 0.050 |
| 3 | 21 | 0.350 | 0.450 | 0.100 |
| 3 | 22 | 0.250 | 0.150 | -0.100 |
| 3 | 23 | 0.300 | 0.300 | 0.000 |
| 3 | 24 | 0.150 | 0.200 | 0.050 |
| 5 | 25 | 0.350 | 0.150 | -0.200 |
| 5 | 26 | 0.250 | 0.350 | 0.100 |
| 5 | 27 | 0.300 | 0.150 | -0.150 |
| 5 | 28 | 0.150 | 0.250 | 0.100 |
| 5 | 29 | 0.200 | 0.150 | -0.050 |
| 10 | 30 | 0.150 | 0.150 | 0.000 |
| 10 | 31 | 0.300 | 0.200 | -0.100 |
| 10 | 32 | 0.200 | 0.250 | 0.050 |
| 10 | 33 | 0.250 | 0.200 | -0.050 |
| 10 | 34 | 0.250 | 0.250 | 0.000 |
| 15 | 35 | 0.200 | 0.200 | 0.000 |
| 15 | 36 | 0.250 | 0.200 | -0.050 |
| 15 | 37 | 0.200 | 0.250 | 0.050 |
| 15 | 38 | 0.350 | 0.400 | 0.050 |
| 15 | 39 | 0.350 | 0.150 | -0.200 |
| 30 | 40 | 0.150 | 0.300 | 0.150 |
| 30 | 41 | 0.250 | 0.350 | 0.100 |
| 30 | 42 | 0.500 | 0.200 | -0.300 |
| 30 | 43 | 0.350 | 0.150 | -0.200 |
| 30 | 44 | 0.300 | 0.300 | 0.000 |
| 35 | 45 | 0.400 | 0.200 | -0.200 |
| 35 | 46 | 0.200 | 0.300 | 0.100 |
| 35 | 47 | 0.300 | 0.250 | -0.050 |
| 35 | 48 | 0.300 | 0.300 | 0.000 |
| 35 | 49 | 0.250 | 0.200 | -0.050 |
| 50 | 50 | 0.250 | 0.250 | 0.000 |
| 50 | 51 | 0.200 | 0.300 | 0.100 |
| 50 | 52 | 0.150 | 0.150 | 0.000 |
| 50 | 53 | 0.300 | 0.250 | -0.050 |
| 50 | 54 | 0.250 | 0.150 | -0.100 |
| 55 | 55 | 0.250 | 0.300 | 0.050 |
| 55 | 56 | 0.300 | 0.150 | -0.150 |
| 55 | 57 | 0.350 | 0.300 | -0.050 |
| 55 | 58 | 0.150 | 0.150 | 0.000 |
| 55 | 59 | 0.200 | 0.350 | 0.150 |
| 100 | 60 | 0.450 | 0.200 | -0.250 |
| 100 | 61 | 0.200 | 0.150 | -0.050 |
| 100 | 62 | 0.300 | 0.150 | -0.150 |
| 100 | 63 | 0.250 | 0.400 | 0.150 |
| 100 | 64 | 0.200 | 0.250 | 0.050 |
| 105 | 65 | 0.150 | 0.200 | 0.050 |
| 105 | 66 | 0.150 | 0.350 | 0.200 |
| 105 | 67 | 0.450 | 0.300 | -0.150 |
| 105 | 68 | 0.250 | 0.300 | 0.050 |
| 105 | 69 | 0.200 | 0.400 | 0.200 |
| | Max | 0.500 | 0.450 | 0.200 |
| | Average | 0.263 | 0.242 | -0.021 |
| | Min | 0.150 | 0.150 | -0.300 |
| | Std Dev | 0.088 | 0.081 | 0.123 |




| | 25.2_T_MIN_UP/UP/3. | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 0.7 | uSec |
| Min Limit | 0 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.150 | 0.200 | 0.150 | 0.150 | 0.150 | 0.200 |
| Average | 0.217 | 0.260 | 0.210 | 0.210 | 0.240 | 0.260 | 0.250 | 0.220 | 0.250 | 0.230 | 0.310 |
| Max | 0.300 | 0.450 | 0.350 | 0.250 | 0.400 | 0.350 | 0.300 | 0.300 | 0.350 | 0.400 | 0.400 |
| UL | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 |

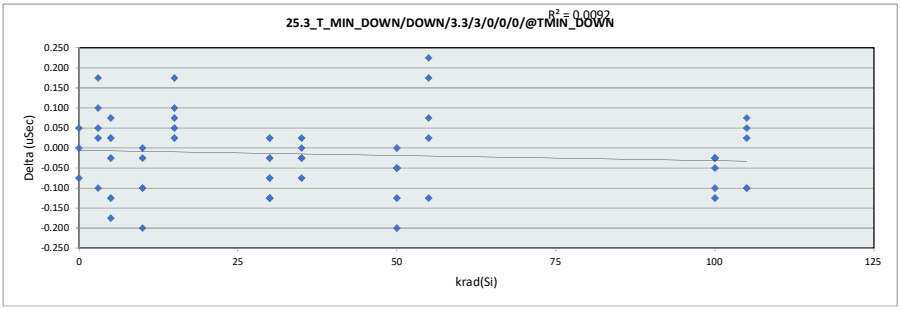


# TID HDR Report
# TPS7H3014-SP

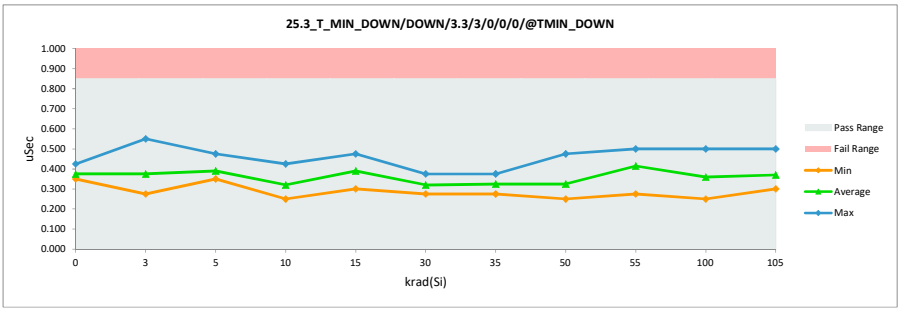
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 25.3_T_MIN_DOWN/DO | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 0.9 | 0.85 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.350 | 0.350 | 0.000 |
| 0 | 14 | 0.375 | 0.425 | 0.050 |
| 0 | 15 | 0.425 | 0.350 | -0.075 |
| 3 | 20 | 0.250 | 0.425 | 0.175 |
| 3 | 21 | 0.250 | 0.275 | 0.025 |
| 3 | 22 | 0.250 | 0.300 | 0.050 |
| 3 | 23 | 0.425 | 0.325 | -0.100 |
| 3 | 24 | 0.450 | 0.550 | 0.100 |
| 5 | 25 | 0.475 | 0.350 | -0.125 |
| 5 | 26 | 0.325 | 0.350 | 0.025 |
| 5 | 27 | 0.500 | 0.475 | -0.025 |
| 5 | 28 | 0.325 | 0.400 | 0.075 |
| 5 | 29 | 0.550 | 0.375 | -0.175 |
| 10 | 30 | 0.400 | 0.375 | -0.025 |
| 10 | 31 | 0.350 | 0.250 | -0.100 |
| 10 | 32 | 0.450 | 0.250 | -0.200 |
| 10 | 33 | 0.400 | 0.300 | -0.100 |
| 10 | 34 | 0.425 | 0.425 | 0.000 |
| 15 | 35 | 0.225 | 0.300 | 0.075 |
| 15 | 36 | 0.400 | 0.425 | 0.025 |
| 15 | 37 | 0.375 | 0.475 | 0.100 |
| 15 | 38 | 0.275 | 0.450 | 0.175 |
| 15 | 39 | 0.250 | 0.300 | 0.050 |
| 30 | 40 | 0.325 | 0.350 | 0.025 |
| 30 | 41 | 0.400 | 0.275 | -0.125 |
| 30 | 42 | 0.450 | 0.375 | -0.075 |
| 30 | 43 | 0.425 | 0.300 | -0.125 |
| 30 | 44 | 0.325 | 0.300 | -0.025 |
| 35 | 45 | 0.325 | 0.350 | 0.025 |
| 35 | 46 | 0.300 | 0.300 | 0.000 |
| 35 | 47 | 0.300 | 0.275 | -0.025 |
| 35 | 48 | 0.450 | 0.375 | -0.075 |
| 35 | 49 | 0.350 | 0.325 | -0.025 |
| 50 | 50 | 0.350 | 0.300 | -0.050 |
| 50 | 51 | 0.300 | 0.250 | -0.050 |
| 50 | 52 | 0.400 | 0.275 | -0.125 |
| 50 | 53 | 0.475 | 0.475 | 0.000 |
| 50 | 54 | 0.525 | 0.325 | -0.200 |
| 55 | 55 | 0.250 | 0.275 | 0.025 |
| 55 | 56 | 0.425 | 0.500 | 0.075 |
| 55 | 57 | 0.525 | 0.400 | -0.125 |
| 55 | 58 | 0.250 | 0.425 | 0.175 |
| 55 | 59 | 0.250 | 0.475 | 0.225 |
| 100 | 60 | 0.375 | 0.250 | -0.125 |
| 100 | 61 | 0.425 | 0.375 | -0.050 |
| 100 | 62 | 0.350 | 0.325 | -0.025 |
| 100 | 63 | 0.525 | 0.500 | -0.025 |
| 100 | 64 | 0.450 | 0.350 | -0.100 |
| 105 | 65 | 0.450 | 0.350 | -0.100 |
| 105 | 66 | 0.450 | 0.500 | 0.050 |
| 105 | 67 | 0.250 | 0.325 | 0.075 |
| 105 | 68 | 0.350 | 0.375 | 0.025 |
| 105 | 69 | 0.400 | 0.300 | -0.100 |
| | Max | 0.550 | 0.550 | 0.225 |
| | Average | 0.376 | 0.360 | -0.016 |
| | Min | 0.225 | 0.250 | -0.200 |
| | Std Dev | 0.086 | 0.077 | 0.096 |




| | 25.3_T_MIN_DOWN/DO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.85 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.350 | 0.275 | 0.350 | 0.250 | 0.300 | 0.275 | 0.275 | 0.250 | 0.275 | 0.250 | 0.300 |
| Average | 0.375 | 0.375 | 0.390 | 0.320 | 0.390 | 0.320 | 0.325 | 0.325 | 0.415 | 0.360 | 0.370 |
| Max | 0.425 | 0.550 | 0.475 | 0.425 | 0.475 | 0.375 | 0.375 | 0.475 | 0.500 | 0.500 | 0.500 |
| UL | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 |

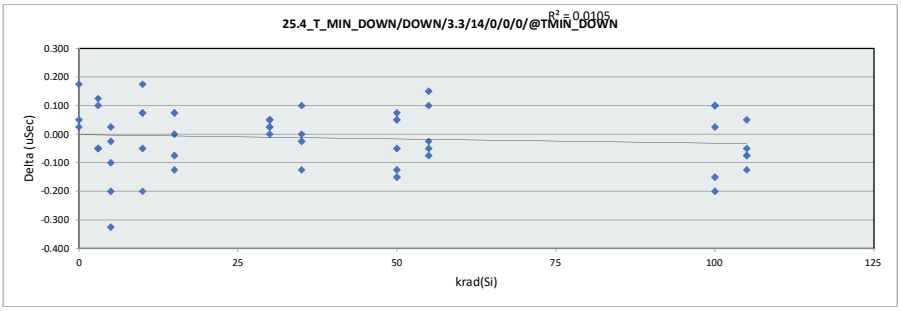


# TID HDR Report
# TPS7H3014-SP

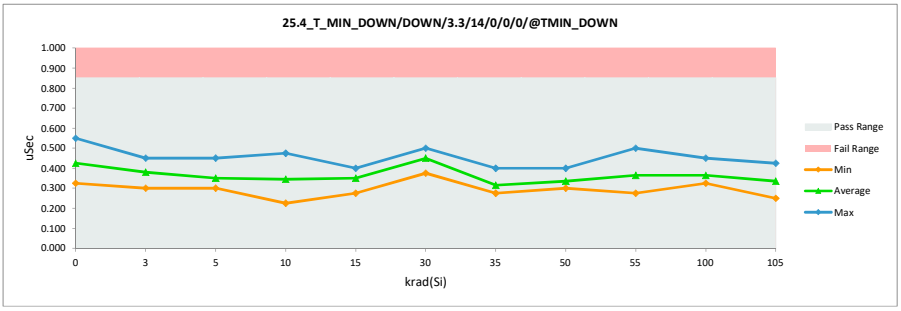
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 25.4_T_MIN_DOWN/DO | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 0.9 | 0.85 |
| Min Limit | 0 | 0 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 0.350 | 0.400 | 0.050 |
| 0 | 14 | 0.375 | 0.550 | 0.175 |
| 0 | 15 | 0.300 | 0.325 | 0.025 |
| 3 | 20 | 0.500 | 0.450 | -0.050 |
| 3 | 21 | 0.275 | 0.375 | 0.100 |
| 3 | 22 | 0.425 | 0.375 | -0.050 |
| 3 | 23 | 0.275 | 0.400 | 0.125 |
| 3 | 24 | 0.350 | 0.300 | -0.050 |
| 5 | 25 | 0.425 | 0.450 | 0.025 |
| 5 | 26 | 0.400 | 0.375 | -0.025 |
| 5 | 27 | 0.625 | 0.300 | -0.325 |
| 5 | 28 | 0.525 | 0.325 | -0.200 |
| 5 | 29 | 0.400 | 0.300 | -0.100 |
| 10 | 30 | 0.225 | 0.400 | 0.175 |
| 10 | 31 | 0.300 | 0.250 | -0.050 |
| 10 | 32 | 0.400 | 0.475 | 0.075 |
| 10 | 33 | 0.300 | 0.375 | 0.075 |
| 10 | 34 | 0.425 | 0.225 | -0.200 |
| 15 | 35 | 0.475 | 0.400 | -0.075 |
| 15 | 36 | 0.400 | 0.275 | -0.125 |
| 15 | 37 | 0.300 | 0.375 | 0.075 |
| 15 | 38 | 0.350 | 0.350 | 0.000 |
| 15 | 39 | 0.275 | 0.350 | 0.075 |
| 30 | 40 | 0.475 | 0.500 | 0.025 |
| 30 | 41 | 0.450 | 0.500 | 0.050 |
| 30 | 42 | 0.400 | 0.400 | 0.000 |
| 30 | 43 | 0.325 | 0.375 | 0.050 |
| 30 | 44 | 0.450 | 0.475 | 0.025 |
| 35 | 45 | 0.300 | 0.400 | 0.100 |
| 35 | 46 | 0.350 | 0.325 | -0.025 |
| 35 | 47 | 0.300 | 0.300 | 0.000 |
| 35 | 48 | 0.300 | 0.275 | -0.025 |
| 35 | 49 | 0.400 | 0.275 | -0.125 |
| 50 | 50 | 0.350 | 0.300 | -0.050 |
| 50 | 51 | 0.475 | 0.325 | -0.150 |
| 50 | 52 | 0.300 | 0.350 | 0.050 |
| 50 | 53 | 0.325 | 0.400 | 0.075 |
| 50 | 54 | 0.425 | 0.300 | -0.125 |
| 55 | 55 | 0.350 | 0.500 | 0.150 |
| 55 | 56 | 0.300 | 0.275 | -0.025 |
| 55 | 57 | 0.375 | 0.300 | -0.075 |
| 55 | 58 | 0.300 | 0.400 | 0.100 |
| 55 | 59 | 0.400 | 0.350 | -0.050 |
| 100 | 60 | 0.525 | 0.325 | -0.200 |
| 100 | 61 | 0.350 | 0.450 | 0.100 |
| 100 | 62 | 0.275 | 0.375 | 0.100 |
| 100 | 63 | 0.325 | 0.350 | 0.025 |
| 100 | 64 | 0.475 | 0.325 | -0.150 |
| 105 | 65 | 0.325 | 0.250 | -0.075 |
| 105 | 66 | 0.500 | 0.375 | -0.125 |
| 105 | 67 | 0.500 | 0.425 | -0.075 |
| 105 | 68 | 0.275 | 0.325 | 0.050 |
| 105 | 69 | 0.350 | 0.300 | -0.050 |
| | Max | 0.625 | 0.550 | 0.175 |
| | Average | 0.376 | 0.363 | -0.013 |
| | Min | 0.225 | 0.225 | -0.325 |
| | Std Dev | 0.084 | 0.072 | 0.105 |




| | 25.4_T_MIN_DOWN/DO | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 0.85 | uSec | | | | | | | | | |
| Min Limit | 0 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 |
| Min | 0.325 | 0.300 | 0.300 | 0.225 | 0.275 | 0.375 | 0.275 | 0.300 | 0.275 | 0.325 | 0.250 |
| Average | 0.425 | 0.380 | 0.350 | 0.345 | 0.350 | 0.450 | 0.315 | 0.335 | 0.365 | 0.365 | 0.335 |
| Max | 0.550 | 0.450 | 0.450 | 0.475 | 0.400 | 0.500 | 0.400 | 0.400 | 0.500 | 0.450 | 0.425 |
| UL | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 | 0.850 |

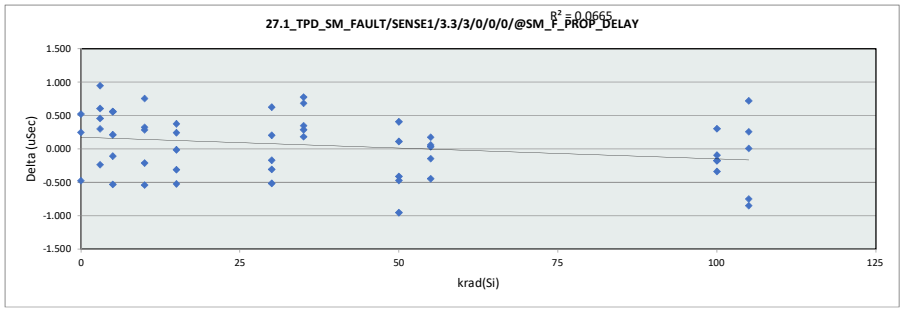


# TID HDR Report
# TPS7H3014-SP

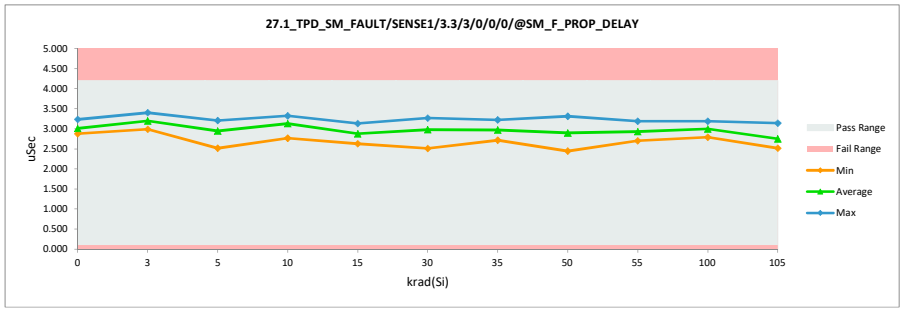
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 27.1_TPD_SM_FAULT/S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 4.3 | 4.2 |
| Min Limit | 0.1 | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.356 | 2.879 | -0.477 |
| 0 | 14 | 2.403 | 2.926 | 0.523 |
| 0 | 15 | 2.988 | 3.235 | 0.247 |
| 3 | 20 | 2.766 | 3.066 | 0.300 |
| 3 | 21 | 2.442 | 3.389 | 0.947 |
| 3 | 22 | 2.799 | 3.403 | 0.604 |
| 3 | 23 | 3.227 | 2.990 | -0.237 |
| 3 | 24 | 2.687 | 3.144 | 0.457 |
| 5 | 25 | 2.647 | 3.208 | 0.561 |
| 5 | 26 | 3.050 | 2.517 | -0.533 |
| 5 | 27 | 3.253 | 3.145 | -0.108 |
| 5 | 28 | 2.424 | 2.979 | 0.555 |
| 5 | 29 | 2.674 | 2.886 | 0.212 |
| 10 | 30 | 2.918 | 3.243 | 0.325 |
| 10 | 31 | 2.574 | 3.327 | 0.753 |
| 10 | 32 | 3.311 | 3.100 | -0.211 |
| 10 | 33 | 2.936 | 3.221 | 0.285 |
| 10 | 34 | 3.310 | 2.768 | -0.542 |
| 15 | 35 | 3.385 | 2.860 | -0.525 |
| 15 | 36 | 2.425 | 2.668 | 0.243 |
| 15 | 37 | 3.107 | 3.094 | -0.013 |
| 15 | 38 | 2.761 | 3.136 | 0.375 |
| 15 | 39 | 2.941 | 2.629 | -0.312 |
| 30 | 40 | 3.334 | 3.163 | -0.171 |
| 30 | 41 | 3.231 | 2.925 | -0.306 |
| 30 | 42 | 3.029 | 2.511 | -0.518 |
| 30 | 43 | 2.407 | 3.031 | 0.624 |
| 30 | 44 | 3.065 | 3.268 | 0.203 |
| 35 | 45 | 2.417 | 3.194 | 0.777 |
| 35 | 46 | 2.494 | 2.842 | 0.348 |
| 35 | 47 | 2.542 | 3.226 | 0.684 |
| 35 | 48 | 2.428 | 2.714 | 0.286 |
| 35 | 49 | 2.693 | 2.875 | 0.182 |
| 50 | 50 | 3.127 | 3.238 | 0.111 |
| 50 | 51 | 3.161 | 2.687 | -0.474 |
| 50 | 52 | 3.402 | 2.446 | -0.956 |
| 50 | 53 | 3.220 | 2.807 | -0.413 |
| 50 | 54 | 2.907 | 3.315 | 0.408 |
| 55 | 55 | 3.192 | 2.746 | -0.446 |
| 55 | 56 | 3.017 | 3.192 | 0.175 |
| 55 | 57 | 2.991 | 3.024 | 0.033 |
| 55 | 58 | 2.930 | 2.990 | 0.060 |
| 55 | 59 | 2.850 | 2.704 | -0.146 |
| 100 | 60 | 3.185 | 3.008 | -0.177 |
| 100 | 61 | 2.489 | 2.791 | 0.302 |
| 100 | 62 | 3.265 | 3.090 | -0.175 |
| 100 | 63 | 3.268 | 2.929 | -0.339 |
| 100 | 64 | 3.288 | 3.193 | -0.095 |
| 105 | 65 | 2.423 | 3.143 | 0.720 |
| 105 | 66 | 2.663 | 2.921 | 0.258 |
| 105 | 67 | 3.276 | 2.526 | -0.750 |
| 105 | 68 | 3.366 | 2.517 | -0.849 |
| 105 | 69 | 2.647 | 2.653 | 0.006 |
| | Max | 3.402 | 3.403 | 0.947 |
| | Average | 2.919 | 2.971 | 0.053 |
| | Min | 2.403 | 2.446 | -0.956 |
| | Std Dev | 0.329 | 0.252 | 0.453 |




| | 27.1_TPD_SM_FAULT/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 4.2 | uSec | | | | | | | | | |
| Min Limit | 0.1 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.879 | 2.990 | 2.517 | 2.768 | 2.629 | 2.511 | 2.714 | 2.446 | 2.704 | 2.791 | 2.517 |
| Average | 3.013 | 3.198 | 2.947 | 3.132 | 2.877 | 2.980 | 2.970 | 2.899 | 2.931 | 3.002 | 2.752 |
| Max | 3.235 | 3.403 | 3.208 | 3.327 | 3.136 | 3.268 | 3.226 | 3.315 | 3.192 | 3.193 | 3.143 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

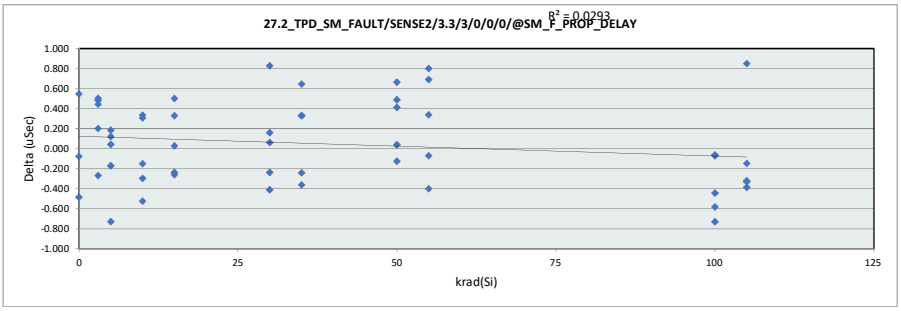


# TID HDR Report
# TPS7H3014-SP

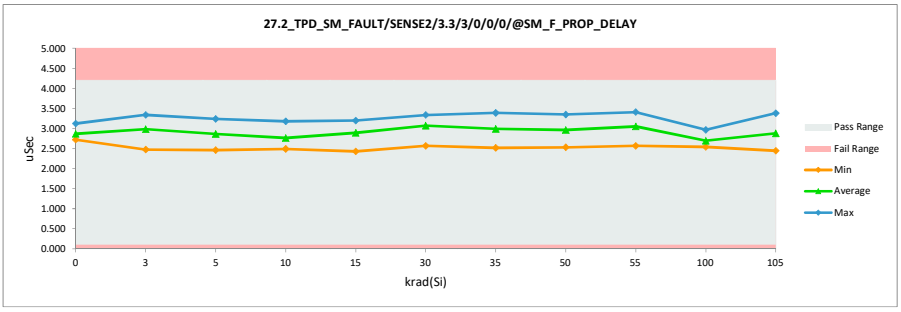
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 27.2_TPD_SM_FAULT/SI | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 4.3 | 4.2 |
| Min Limit | 0.1 | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.841 | 2.764 | -0.077 |
| 0 | 14 | 3.204 | 2.720 | -0.484 |
| 0 | 15 | 2.579 | 3.125 | 0.546 |
| 3 | 20 | 2.670 | 3.174 | 0.504 |
| 3 | 21 | 2.744 | 2.475 | -0.269 |
| 3 | 22 | 2.507 | 2.992 | 0.485 |
| 3 | 23 | 3.140 | 3.340 | 0.200 |
| 3 | 24 | 2.495 | 2.938 | 0.443 |
| 5 | 25 | 3.190 | 2.462 | -0.728 |
| 5 | 26 | 3.065 | 3.185 | 0.120 |
| 5 | 27 | 2.732 | 2.561 | -0.171 |
| 5 | 28 | 2.690 | 2.874 | 0.184 |
| 5 | 29 | 3.194 | 3.237 | 0.043 |
| 10 | 30 | 2.463 | 2.769 | 0.306 |
| 10 | 31 | 2.843 | 3.178 | 0.335 |
| 10 | 32 | 2.787 | 2.491 | -0.296 |
| 10 | 33 | 3.024 | 2.873 | -0.151 |
| 10 | 34 | 3.018 | 2.494 | -0.524 |
| 15 | 35 | 2.665 | 2.427 | -0.238 |
| 15 | 36 | 2.544 | 2.874 | 0.330 |
| 15 | 37 | 3.211 | 2.952 | -0.259 |
| 15 | 38 | 2.696 | 3.197 | 0.501 |
| 15 | 39 | 2.992 | 3.020 | 0.028 |
| 30 | 40 | 2.977 | 2.566 | -0.411 |
| 30 | 41 | 3.232 | 2.995 | -0.237 |
| 30 | 42 | 3.275 | 3.337 | 0.062 |
| 30 | 43 | 2.471 | 3.299 | 0.828 |
| 30 | 44 | 3.004 | 3.164 | 0.160 |
| 35 | 45 | 2.881 | 2.519 | -0.362 |
| 35 | 46 | 3.059 | 3.390 | 0.331 |
| 35 | 47 | 3.250 | 3.009 | -0.241 |
| 35 | 48 | 2.685 | 3.331 | 0.646 |
| 35 | 49 | 2.372 | 2.699 | 0.327 |
| 50 | 50 | 2.506 | 2.993 | 0.487 |
| 50 | 51 | 2.658 | 2.532 | -0.126 |
| 50 | 52 | 2.894 | 2.934 | 0.040 |
| 50 | 53 | 2.590 | 3.003 | 0.413 |
| 50 | 54 | 2.684 | 3.347 | 0.663 |
| 55 | 55 | 3.379 | 2.979 | -0.400 |
| 55 | 56 | 2.716 | 3.408 | 0.692 |
| 55 | 57 | 2.638 | 2.567 | -0.071 |
| 55 | 58 | 2.370 | 3.170 | 0.800 |
| 55 | 59 | 2.789 | 3.127 | 0.338 |
| 100 | 60 | 2.980 | 2.537 | -0.443 |
| 100 | 61 | 2.725 | 2.662 | -0.063 |
| 100 | 62 | 3.271 | 2.689 | -0.582 |
| 100 | 63 | 3.040 | 2.968 | -0.072 |
| 100 | 64 | 3.357 | 2.627 | -0.730 |
| 105 | 65 | 3.118 | 2.797 | -0.321 |
| 105 | 66 | 2.949 | 2.800 | -0.149 |
| 105 | 67 | 3.307 | 2.977 | -0.330 |
| 105 | 68 | 2.531 | 3.381 | 0.850 |
| 105 | 69 | 2.833 | 2.447 | -0.386 |
| | Max | 3.379 | 3.408 | 0.850 |
| | Average | 2.865 | 2.913 | 0.048 |
| | Min | 2.370 | 2.427 | -0.730 |
| | Std Dev | 0.280 | 0.298 | 0.419 |




| | 27.2_TPD_SM_FAULT/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 4.2 | uSec | | | | | | | | | |
| Min Limit | 0.1 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.720 | 2.475 | 2.462 | 2.491 | 2.427 | 2.566 | 2.519 | 2.532 | 2.567 | 2.537 | 2.447 |
| Average | 2.870 | 2.984 | 2.864 | 2.761 | 2.894 | 3.072 | 2.990 | 2.962 | 3.050 | 2.697 | 2.880 |
| Max | 3.125 | 3.340 | 3.237 | 3.178 | 3.197 | 3.337 | 3.390 | 3.347 | 3.408 | 2.968 | 3.381 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

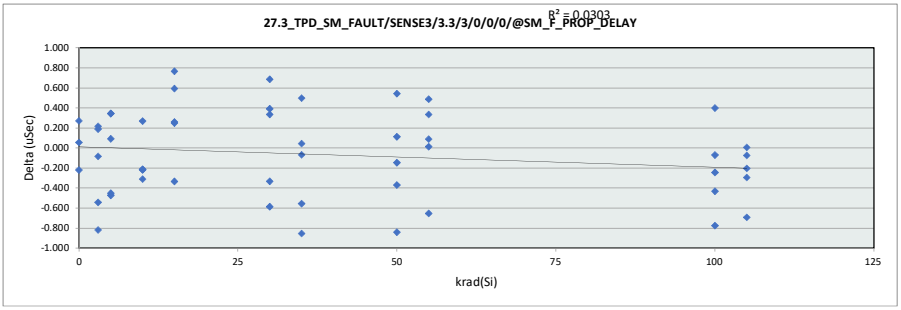


# TID HDR Report
# TPS7H3014-SP

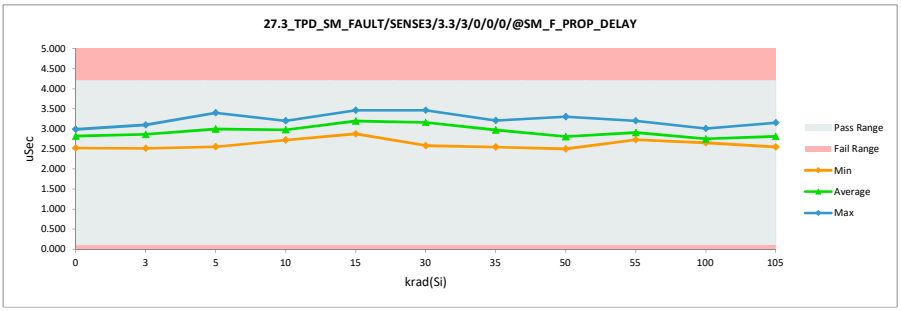
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 27.3_TPD_SM_FAULT/S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Unit | uSec | uSec |
| Max Limit | 4.3 | 4.2 |
| Min Limit | 0.1 | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.740 | 2.520 | -0.220 |
| 0 | 14 | 2.932 | 2.987 | 0.055 |
| 0 | 15 | 2.678 | 2.948 | 0.270 |
| 3 | 20 | 3.028 | 2.945 | -0.083 |
| 3 | 21 | 2.862 | 3.050 | 0.188 |
| 3 | 22 | 3.331 | 2.512 | -0.819 |
| 3 | 23 | 2.881 | 3.098 | 0.217 |
| 3 | 24 | 3.257 | 2.714 | -0.543 |
| 5 | 25 | 3.057 | 3.401 | 0.344 |
| 5 | 26 | 3.004 | 2.552 | -0.452 |
| 5 | 27 | 3.092 | 2.618 | -0.474 |
| 5 | 28 | 3.077 | 3.167 | 0.090 |
| 5 | 29 | 2.914 | 3.258 | 0.344 |
| 10 | 30 | 3.244 | 3.027 | -0.217 |
| 10 | 31 | 3.006 | 2.793 | -0.213 |
| 10 | 32 | 2.933 | 3.201 | 0.268 |
| 10 | 33 | 3.032 | 2.720 | -0.312 |
| 10 | 34 | 3.363 | 3.145 | -0.218 |
| 15 | 35 | 2.510 | 3.103 | 0.593 |
| 15 | 36 | 2.519 | 3.285 | 0.766 |
| 15 | 37 | 3.212 | 3.460 | 0.248 |
| 15 | 38 | 2.989 | 3.247 | 0.258 |
| 15 | 39 | 3.212 | 2.877 | -0.335 |
| 30 | 40 | 3.257 | 2.924 | -0.333 |
| 30 | 41 | 3.129 | 3.464 | 0.335 |
| 30 | 42 | 3.005 | 3.396 | 0.391 |
| 30 | 43 | 2.748 | 3.434 | 0.686 |
| 30 | 44 | 3.170 | 2.583 | -0.587 |
| 35 | 45 | 3.279 | 3.210 | -0.069 |
| 35 | 46 | 3.400 | 2.545 | -0.855 |
| 35 | 47 | 3.154 | 3.197 | 0.043 |
| 35 | 48 | 2.563 | 3.062 | 0.499 |
| 35 | 49 | 3.407 | 2.851 | -0.556 |
| 50 | 50 | 2.761 | 3.304 | 0.543 |
| 50 | 51 | 3.058 | 2.687 | -0.371 |
| 50 | 52 | 2.534 | 2.646 | 0.112 |
| 50 | 53 | 3.343 | 2.502 | -0.841 |
| 50 | 54 | 3.043 | 2.895 | -0.148 |
| 55 | 55 | 2.538 | 3.024 | 0.486 |
| 55 | 56 | 2.507 | 2.840 | 0.333 |
| 55 | 57 | 3.407 | 2.753 | -0.654 |
| 55 | 58 | 2.642 | 2.729 | 0.087 |
| 55 | 59 | 3.186 | 3.199 | 0.013 |
| 100 | 60 | 2.974 | 2.729 | -0.245 |
| 100 | 61 | 2.612 | 3.011 | 0.399 |
| 100 | 62 | 2.721 | 2.651 | -0.070 |
| 100 | 63 | 3.432 | 2.656 | -0.776 |
| 100 | 64 | 3.139 | 2.706 | -0.433 |
| 105 | 65 | 3.357 | 3.153 | -0.204 |
| 105 | 66 | 3.008 | 3.014 | 0.006 |
| 105 | 67 | 3.245 | 2.551 | -0.694 |
| 105 | 68 | 2.865 | 2.570 | -0.295 |
| 105 | 69 | 2.841 | 2.765 | -0.076 |
| | Max | 3.432 | 3.464 | 0.766 |
| | Average | 3.004 | 2.937 | -0.066 |
| | Min | 2.507 | 2.502 | -0.855 |
| | Std Dev | 0.271 | 0.285 | 0.420 |




| | 27.3_TPD_SM_FAULT/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 4.2 | uSec | | | | | | | | | |
| Min Limit | 0.1 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.520 | 2.512 | 2.552 | 2.720 | 2.877 | 2.583 | 2.545 | 2.502 | 2.729 | 2.651 | 2.551 |
| Average | 2.818 | 2.864 | 2.999 | 2.977 | 3.194 | 3.160 | 2.973 | 2.807 | 2.909 | 2.751 | 2.811 |
| Max | 2.987 | 3.098 | 3.401 | 3.201 | 3.460 | 3.464 | 3.210 | 3.304 | 3.199 | 3.011 | 3.153 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

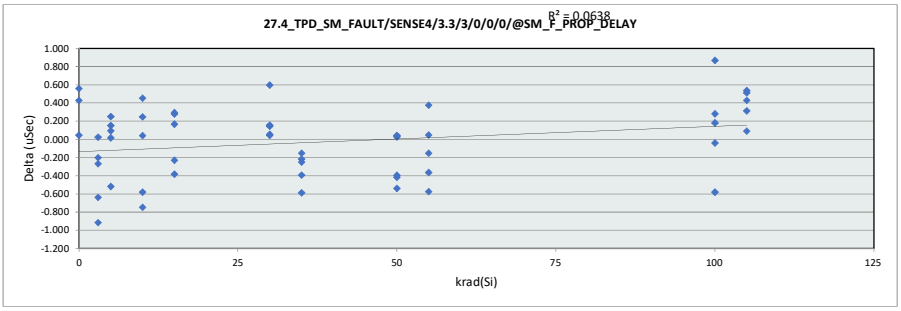


# TID HDR Report
# TPS7H3014-SP

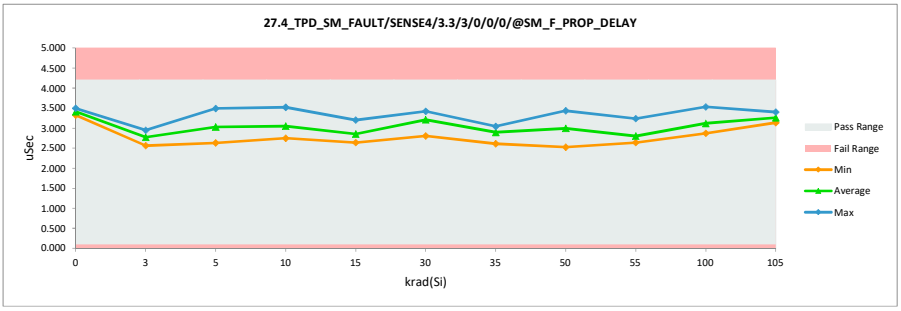
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 27.4_TPD_SM_FAULT/S |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | uSec |
| Max Limit | 4.3 |
| Min Limit | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.899 | 3.326 | 0.427 |
| 0 | 14 | 3.367 | 3.413 | 0.046 |
| 0 | 15 | 2.935 | 3.494 | 0.559 |
| 3 | 20 | 3.154 | 2.951 | -0.203 |
| 3 | 21 | 3.478 | 2.562 | -0.916 |
| 3 | 22 | 3.091 | 2.822 | -0.269 |
| 3 | 23 | 2.792 | 2.815 | 0.023 |
| 3 | 24 | 3.364 | 2.725 | -0.639 |
| 5 | 25 | 2.881 | 3.033 | 0.152 |
| 5 | 26 | 2.876 | 3.126 | 0.250 |
| 5 | 27 | 3.385 | 2.867 | -0.518 |
| 5 | 28 | 3.397 | 3.491 | 0.094 |
| 5 | 29 | 2.617 | 2.631 | 0.014 |
| 10 | 30 | 3.480 | 3.519 | 0.039 |
| 10 | 31 | 2.674 | 2.920 | 0.246 |
| 10 | 32 | 2.833 | 3.285 | 0.452 |
| 10 | 33 | 3.499 | 2.751 | -0.748 |
| 10 | 34 | 3.369 | 2.788 | -0.581 |
| 15 | 35 | 3.126 | 2.742 | -0.384 |
| 15 | 36 | 2.670 | 2.963 | 0.293 |
| 15 | 37 | 2.975 | 2.743 | -0.232 |
| 15 | 38 | 2.922 | 3.201 | 0.279 |
| 15 | 39 | 2.474 | 2.639 | 0.165 |
| 30 | 40 | 2.662 | 2.806 | 0.144 |
| 30 | 41 | 2.670 | 3.266 | 0.596 |
| 30 | 42 | 3.349 | 3.404 | 0.055 |
| 30 | 43 | 3.116 | 3.160 | 0.044 |
| 30 | 44 | 3.268 | 3.423 | 0.155 |
| 35 | 45 | 3.415 | 3.021 | -0.394 |
| 35 | 46 | 2.765 | 2.611 | -0.154 |
| 35 | 47 | 3.224 | 3.005 | -0.219 |
| 35 | 48 | 3.294 | 3.044 | -0.250 |
| 35 | 49 | 3.383 | 2.795 | -0.588 |
| 50 | 50 | 2.944 | 2.527 | -0.417 |
| 50 | 51 | 3.062 | 2.665 | -0.397 |
| 50 | 52 | 3.515 | 2.976 | -0.539 |
| 50 | 53 | 3.395 | 3.436 | 0.041 |
| 50 | 54 | 3.335 | 3.363 | 0.028 |
| 55 | 55 | 2.645 | 2.692 | 0.047 |
| 55 | 56 | 3.006 | 2.641 | -0.365 |
| 55 | 57 | 2.863 | 3.238 | 0.375 |
| 55 | 58 | 3.336 | 2.760 | -0.576 |
| 55 | 59 | 2.848 | 2.694 | -0.154 |
| 100 | 60 | 3.456 | 2.874 | -0.582 |
| 100 | 61 | 3.114 | 3.294 | 0.180 |
| 100 | 62 | 2.715 | 2.996 | 0.281 |
| 100 | 63 | 2.665 | 3.532 | 0.867 |
| 100 | 64 | 2.951 | 2.911 | -0.040 |
| 105 | 65 | 3.087 | 3.400 | 0.313 |
| 105 | 66 | 3.045 | 3.136 | 0.091 |
| 105 | 67 | 2.853 | 3.363 | 0.510 |
| 105 | 68 | 2.830 | 3.258 | 0.428 |
| 105 | 69 | 2.633 | 3.168 | 0.535 |
| | Max | 3.515 | 3.532 | 0.867 |
| | Average | 3.051 | 3.024 | -0.027 |
| | Min | 2.474 | 2.527 | -0.916 |
| | Std Dev | 0.293 | 0.296 | 0.394 |




| | 27.4_TPD_SM_FAULT/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 4.2 | uSec | | | | | | | | | |
| Min Limit | 0.1 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 3.326 | 2.562 | 2.631 | 2.751 | 2.639 | 2.806 | 2.611 | 2.527 | 2.641 | 2.874 | 3.136 |
| Average | 3.411 | 2.775 | 3.030 | 3.053 | 2.858 | 3.212 | 2.895 | 2.993 | 2.805 | 3.121 | 3.265 |
| Max | 3.494 | 2.951 | 3.491 | 3.519 | 3.201 | 3.423 | 3.044 | 3.436 | 3.238 | 3.532 | 3.400 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

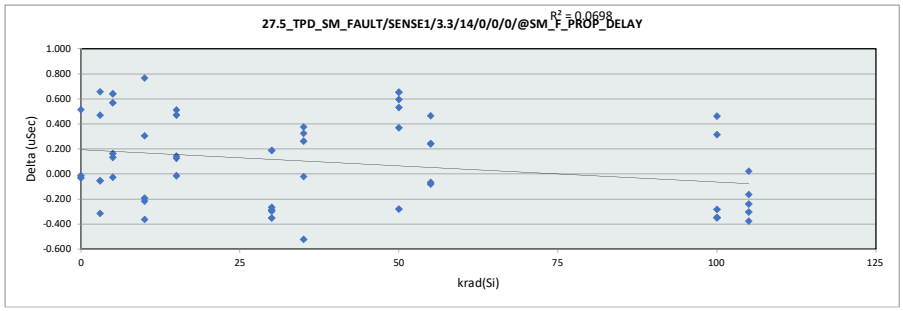


# TID HDR Report
# TPS7H3014-SP

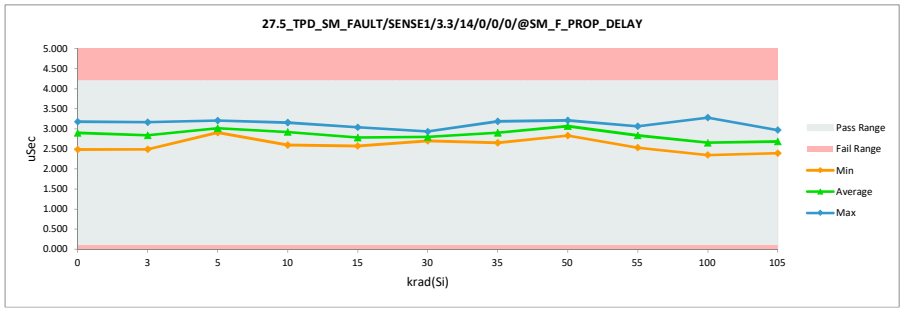
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 27.5_TPD_SM_FAULT/S |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | uSec |
| Max Limit | 4.3 |
| Min Limit | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.190 | 3.176 | -0.014 |
| 0 | 14 | 2.518 | 2.486 | -0.032 |
| 0 | 15 | 2.522 | 3.036 | 0.514 |
| 3 | 20 | 2.366 | 2.836 | 0.470 |
| 3 | 21 | 3.186 | 3.133 | -0.053 |
| 3 | 22 | 2.508 | 3.165 | 0.657 |
| 3 | 23 | 2.627 | 2.574 | -0.053 |
| 3 | 24 | 2.804 | 2.490 | -0.314 |
| 5 | 25 | 2.567 | 3.207 | 0.640 |
| 5 | 26 | 2.829 | 2.962 | 0.133 |
| 5 | 27 | 2.372 | 2.941 | 0.569 |
| 5 | 28 | 2.934 | 2.908 | -0.026 |
| 5 | 29 | 2.884 | 3.047 | 0.163 |
| 10 | 30 | 2.656 | 2.962 | 0.306 |
| 10 | 31 | 2.388 | 3.155 | 0.767 |
| 10 | 32 | 3.145 | 2.953 | -0.192 |
| 10 | 33 | 2.814 | 2.597 | -0.217 |
| 10 | 34 | 3.297 | 2.934 | -0.363 |
| 15 | 35 | 2.641 | 2.784 | 0.143 |
| 15 | 36 | 2.586 | 2.572 | -0.014 |
| 15 | 37 | 2.528 | 3.039 | 0.511 |
| 15 | 38 | 2.385 | 2.856 | 0.471 |
| 15 | 39 | 2.533 | 2.658 | 0.125 |
| 30 | 40 | 2.989 | 2.702 | -0.287 |
| 30 | 41 | 3.231 | 2.934 | -0.297 |
| 30 | 42 | 2.515 | 2.703 | 0.188 |
| 30 | 43 | 3.078 | 2.812 | -0.266 |
| 30 | 44 | 3.195 | 2.843 | -0.352 |
| 35 | 45 | 2.579 | 2.955 | 0.376 |
| 35 | 46 | 2.821 | 2.800 | -0.021 |
| 35 | 47 | 2.662 | 2.925 | 0.263 |
| 35 | 48 | 2.862 | 3.187 | 0.325 |
| 35 | 49 | 3.175 | 2.653 | -0.522 |
| 50 | 50 | 2.558 | 3.211 | 0.653 |
| 50 | 51 | 2.581 | 3.177 | 0.596 |
| 50 | 52 | 3.112 | 2.832 | -0.280 |
| 50 | 53 | 2.449 | 2.982 | 0.533 |
| 50 | 54 | 2.761 | 3.131 | 0.370 |
| 55 | 55 | 3.016 | 2.949 | -0.067 |
| 55 | 56 | 2.823 | 3.063 | 0.240 |
| 55 | 57 | 2.343 | 2.807 | 0.464 |
| 55 | 58 | 2.608 | 2.528 | -0.080 |
| 55 | 59 | 2.585 | 2.829 | 0.244 |
| 100 | 60 | 2.325 | 2.640 | 0.315 |
| 100 | 61 | 2.655 | 2.372 | -0.283 |
| 100 | 62 | 2.984 | 2.634 | -0.350 |
| 100 | 63 | 2.692 | 2.345 | -0.347 |
| 100 | 64 | 2.817 | 3.279 | 0.462 |
| 105 | 65 | 3.129 | 2.889 | -0.240 |
| 105 | 66 | 2.948 | 2.971 | 0.023 |
| 105 | 67 | 2.661 | 2.497 | -0.164 |
| 105 | 68 | 2.769 | 2.393 | -0.376 |
| 105 | 69 | 2.975 | 2.672 | -0.303 |
| | Max | 3.297 | 3.279 | 0.767 |
| | Average | 2.758 | 2.853 | 0.094 |
| | Min | 2.325 | 2.345 | -0.522 |
| | Std Dev | 0.269 | 0.242 | 0.348 |




| | 27.5_TPD_SM_FAULT/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 4.2 | uSec | | | | | | | | | |
| Min Limit | 0.1 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.486 | 2.490 | 2.908 | 2.597 | 2.572 | 2.702 | 2.653 | 2.832 | 2.528 | 2.345 | 2.393 |
| Average | 2.899 | 2.840 | 3.013 | 2.920 | 2.782 | 2.799 | 2.904 | 3.067 | 2.835 | 2.654 | 2.684 |
| Max | 3.176 | 3.165 | 3.207 | 3.155 | 3.039 | 2.934 | 3.187 | 3.211 | 3.063 | 3.279 | 2.971 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

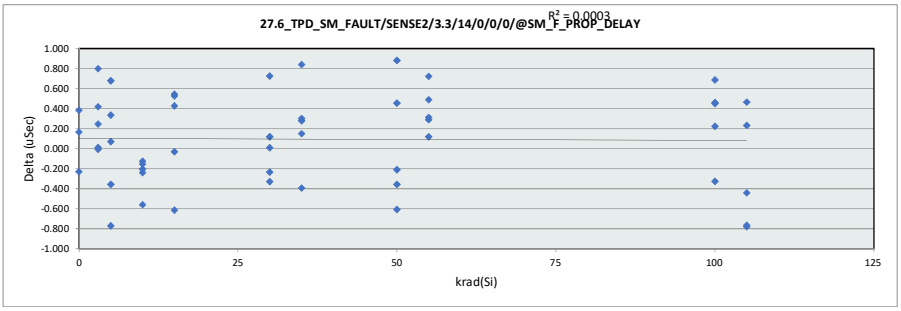


# TID HDR Report
# TPS7H3014-SP

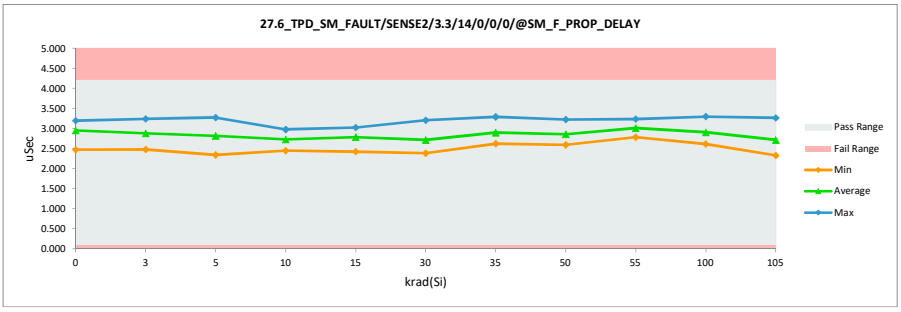
| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

| | 27.6_TPD_SM_FAULT/S |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | uSec |
| Max Limit | 4.3 |
| Min Limit | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.806 | 3.189 | 0.383 |
| 0 | 14 | 3.030 | 3.195 | 0.165 |
| 0 | 15 | 2.703 | 2.472 | -0.231 |
| 3 | 20 | 2.484 | 2.476 | -0.008 |
| 3 | 21 | 2.804 | 2.815 | 0.011 |
| 3 | 22 | 2.644 | 3.062 | 0.418 |
| 3 | 23 | 2.561 | 2.806 | 0.245 |
| 3 | 24 | 2.444 | 3.242 | 0.798 |
| 5 | 25 | 2.361 | 3.038 | 0.677 |
| 5 | 26 | 2.678 | 3.012 | 0.334 |
| 5 | 27 | 2.699 | 2.341 | -0.358 |
| 5 | 28 | 3.188 | 2.417 | -0.771 |
| 5 | 29 | 3.205 | 3.275 | 0.070 |
| 10 | 30 | 2.955 | 2.828 | -0.127 |
| 10 | 31 | 2.892 | 2.687 | -0.205 |
| 10 | 32 | 2.938 | 2.697 | -0.241 |
| 10 | 33 | 3.009 | 2.448 | -0.561 |
| 10 | 34 | 3.134 | 2.978 | -0.156 |
| 15 | 35 | 2.540 | 2.508 | -0.032 |
| 15 | 36 | 2.597 | 3.024 | 0.427 |
| 15 | 37 | 2.424 | 2.950 | 0.526 |
| 15 | 38 | 2.478 | 3.020 | 0.542 |
| 15 | 39 | 3.040 | 2.424 | -0.616 |
| 30 | 40 | 2.552 | 2.559 | 0.007 |
| 30 | 41 | 2.787 | 2.457 | -0.330 |
| 30 | 42 | 2.622 | 2.387 | -0.235 |
| 30 | 43 | 2.486 | 3.210 | 0.724 |
| 30 | 44 | 2.844 | 2.962 | 0.118 |
| 35 | 45 | 2.947 | 3.096 | 0.149 |
| 35 | 46 | 2.450 | 3.288 | 0.838 |
| 35 | 47 | 3.025 | 2.631 | -0.394 |
| 35 | 48 | 2.345 | 2.623 | 0.278 |
| 35 | 49 | 2.549 | 2.850 | 0.301 |
| 50 | 50 | 3.222 | 2.865 | -0.357 |
| 50 | 51 | 3.201 | 2.593 | -0.608 |
| 50 | 52 | 3.025 | 2.814 | -0.211 |
| 50 | 53 | 2.346 | 3.225 | 0.879 |
| 50 | 54 | 2.317 | 2.771 | 0.454 |
| 55 | 55 | 2.279 | 3.000 | 0.721 |
| 55 | 56 | 2.924 | 3.236 | 0.312 |
| 55 | 57 | 3.035 | 3.153 | 0.118 |
| 55 | 58 | 2.297 | 2.785 | 0.488 |
| 55 | 59 | 2.589 | 2.877 | 0.288 |
| 100 | 60 | 2.611 | 3.296 | 0.685 |
| 100 | 61 | 2.431 | 2.653 | 0.222 |
| 100 | 62 | 2.719 | 3.177 | 0.458 |
| 100 | 63 | 2.941 | 2.615 | -0.326 |
| 100 | 64 | 2.343 | 2.792 | 0.449 |
| 105 | 65 | 3.035 | 3.265 | 0.230 |
| 105 | 66 | 2.434 | 2.897 | 0.463 |
| 105 | 67 | 3.153 | 2.710 | -0.443 |
| 105 | 68 | 3.094 | 2.328 | -0.766 |
| 105 | 69 | 3.161 | 2.379 | -0.782 |
| | Max | 3.222 | 3.296 | 0.879 |
| | Average | 2.743 | 2.838 | 0.095 |
| | Min | 2.279 | 2.328 | -0.782 |
| | Std Dev | 0.291 | 0.295 | 0.448 |




| | 27.6_TPD_SM_FAULT/S | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Test Site | | | | | | | | | | | |
| Tester | | | | | | | | | | | |
| Test Number | | | | | | | | | | | |
| Max Limit | 4.2 | uSec | | | | | | | | | |
| Min Limit | 0.1 | uSec | | | | | | | | | |
| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.472 | 2.476 | 2.341 | 2.448 | 2.424 | 2.387 | 2.623 | 2.593 | 2.785 | 2.615 | 2.328 |
| Average | 2.952 | 2.880 | 2.817 | 2.728 | 2.785 | 2.715 | 2.898 | 2.854 | 3.010 | 2.907 | 2.716 |
| Max | 3.195 | 3.242 | 3.275 | 2.978 | 3.024 | 3.210 | 3.288 | 3.225 | 3.236 | 3.296 | 3.265 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

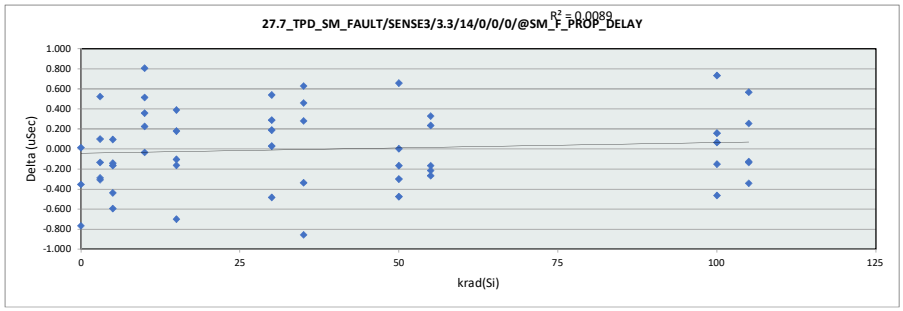


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

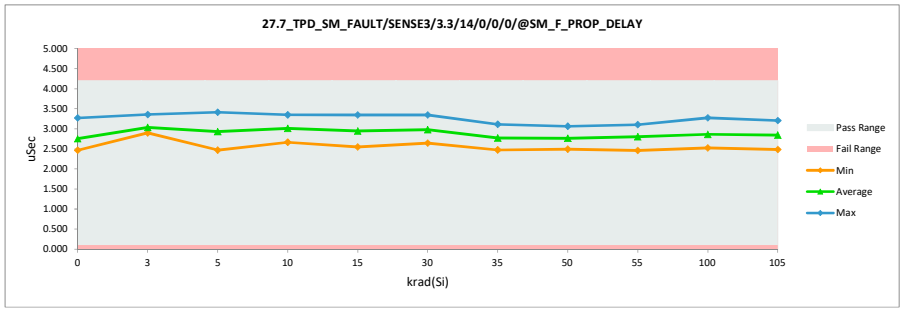
| | 27.7_TPD_SM_FAULT/S |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | uSec |
| Max Limit | 4.3 |
| Min Limit | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 3.258 | 3.272 | 0.014 |
| 0 | 14 | 3.292 | 2.525 | -0.767 |
| 0 | 15 | 2.821 | 2.467 | -0.354 |
| 3 | 20 | 3.310 | 3.002 | -0.308 |
| 3 | 21 | 3.259 | 3.359 | 0.100 |
| 3 | 22 | 3.111 | 2.977 | -0.134 |
| 3 | 23 | 2.414 | 2.938 | 0.524 |
| 3 | 24 | 3.188 | 2.899 | -0.289 |
| 5 | 25 | 3.064 | 2.469 | -0.595 |
| 5 | 26 | 3.315 | 2.876 | -0.439 |
| 5 | 27 | 3.361 | 3.197 | -0.164 |
| 5 | 28 | 3.319 | 3.413 | 0.094 |
| 5 | 29 | 2.844 | 2.702 | -0.142 |
| 10 | 30 | 2.759 | 3.117 | 0.358 |
| 10 | 31 | 2.441 | 2.666 | 0.225 |
| 10 | 32 | 2.834 | 3.349 | 0.515 |
| 10 | 33 | 2.402 | 3.209 | 0.807 |
| 10 | 34 | 2.747 | 2.713 | -0.034 |
| 15 | 35 | 3.377 | 2.676 | -0.701 |
| 15 | 36 | 3.279 | 3.175 | -0.104 |
| 15 | 37 | 2.594 | 2.983 | 0.389 |
| 15 | 38 | 3.165 | 3.344 | 0.179 |
| 15 | 39 | 2.711 | 2.548 | -0.163 |
| 30 | 40 | 3.057 | 3.345 | 0.288 |
| 30 | 41 | 3.127 | 2.643 | -0.484 |
| 30 | 42 | 3.028 | 3.058 | 0.030 |
| 30 | 43 | 2.610 | 2.800 | 0.190 |
| 30 | 44 | 2.505 | 3.045 | 0.540 |
| 35 | 45 | 2.916 | 2.578 | -0.338 |
| 35 | 46 | 2.434 | 2.893 | 0.459 |
| 35 | 47 | 2.511 | 2.792 | 0.281 |
| 35 | 48 | 3.331 | 2.474 | -0.857 |
| 35 | 49 | 2.481 | 3.111 | 0.630 |
| 50 | 50 | 2.874 | 2.708 | -0.166 |
| 50 | 51 | 2.699 | 2.703 | 0.004 |
| 50 | 52 | 2.404 | 3.063 | 0.659 |
| 50 | 53 | 3.314 | 2.838 | -0.476 |
| 50 | 54 | 2.794 | 2.494 | -0.300 |
| 55 | 55 | 2.711 | 2.496 | -0.215 |
| 55 | 56 | 3.372 | 3.105 | -0.267 |
| 55 | 57 | 2.720 | 2.955 | 0.235 |
| 55 | 58 | 2.674 | 3.004 | 0.330 |
| 55 | 59 | 2.626 | 2.460 | -0.166 |
| 100 | 60 | 2.692 | 2.850 | 0.158 |
| 100 | 61 | 2.455 | 2.521 | 0.066 |
| 100 | 62 | 3.285 | 2.821 | -0.464 |
| 100 | 63 | 3.005 | 2.854 | -0.151 |
| 100 | 64 | 2.542 | 3.276 | 0.734 |
| 105 | 65 | 2.745 | 2.620 | -0.125 |
| 105 | 66 | 2.810 | 3.065 | 0.255 |
| 105 | 67 | 3.183 | 2.841 | -0.342 |
| 105 | 68 | 2.639 | 3.206 | 0.567 |
| 105 | 69 | 2.623 | 2.488 | -0.135 |
| | Max | 3.377 | 3.413 | 0.807 |
| | Average | 2.887 | 2.886 | -0.001 |
| | Min | 2.402 | 2.460 | -0.857 |
| | Std Dev | 0.321 | 0.283 | 0.398 |




| | 27.7_TPD_SM_FAULT/S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 4.2 | uSec |
| Min Limit | 0.1 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.467 | 2.899 | 2.469 | 2.666 | 2.548 | 2.643 | 2.474 | 2.494 | 2.460 | 2.521 | 2.488 |
| Average | 2.755 | 3.035 | 2.931 | 3.011 | 2.945 | 2.978 | 2.770 | 2.761 | 2.804 | 2.864 | 2.844 |
| Max | 3.272 | 3.359 | 3.413 | 3.349 | 3.344 | 3.345 | 3.111 | 3.063 | 3.105 | 3.276 | 3.206 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |

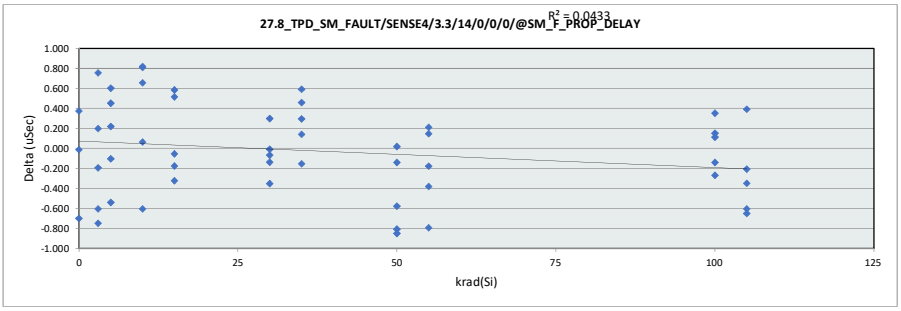


# TID HDR Report
# TPS7H3014-SP

| krad(Si) | Description |
|---|---|
| 3 | 3 krad Unbiased |
| 5 | 3 krad Biased |
| 10 | 10 krad Unbiased |
| 15 | 10 krad Biased |
| 30 | 30 krad Unbiased |
| 35 | 30 krad Biased |
| 50 | 50 krad Unbiased |
| 55 | 50 krad Biased |
| 100 | 100 krad Unbiased |
| 105 | 100 krad Biased |

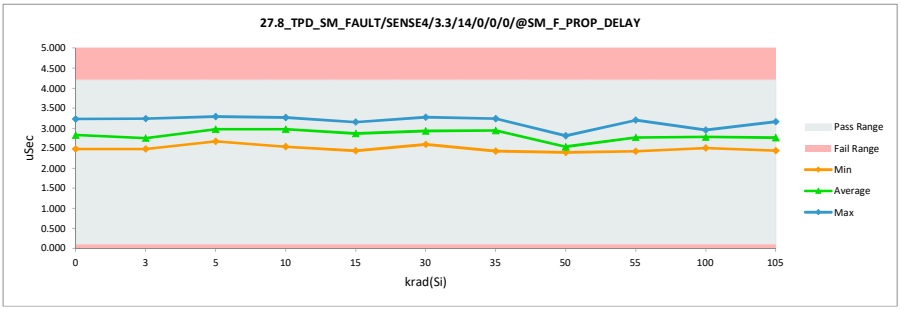
| | 27.8_TPD_SM_FAULT/S |
|---|---|
| Test Site | |
| Tester | |
| Test Number | |
| Unit | uSec |
| Max Limit | 4.3 |
| Min Limit | 0.1 |

| krad(Si) | Serial # | PostHDR_TID | PreHDR_TID | Delta |
|---|---|---|---|---|
| 0 | 13 | 2.855 | 3.229 | 0.374 |
| 0 | 14 | 3.177 | 2.477 | -0.700 |
| 0 | 15 | 2.792 | 2.780 | -0.012 |
| 3 | 20 | 2.489 | 2.687 | 0.198 |
| 3 | 21 | 2.479 | 3.235 | 0.756 |
| 3 | 22 | 3.018 | 2.825 | -0.193 |
| 3 | 23 | 3.289 | 2.541 | -0.748 |
| 3 | 24 | 3.085 | 2.480 | -0.605 |
| 5 | 25 | 3.211 | 2.671 | -0.540 |
| 5 | 26 | 2.479 | 3.082 | 0.603 |
| 5 | 27 | 2.837 | 3.290 | 0.453 |
| 5 | 28 | 2.895 | 2.791 | -0.104 |
| 5 | 29 | 2.795 | 3.015 | 0.220 |
| 10 | 30 | 2.453 | 3.109 | 0.656 |
| 10 | 31 | 3.142 | 2.537 | -0.605 |
| 10 | 32 | 2.443 | 3.262 | 0.819 |
| 10 | 33 | 2.629 | 2.693 | 0.064 |
| 10 | 34 | 2.455 | 3.265 | 0.810 |
| 15 | 35 | 3.150 | 2.828 | -0.322 |
| 15 | 36 | 2.635 | 3.151 | 0.516 |
| 15 | 37 | 2.939 | 2.885 | -0.054 |
| 15 | 38 | 2.610 | 2.435 | -0.175 |
| 15 | 39 | 2.445 | 3.030 | 0.585 |
| 30 | 40 | 3.190 | 3.124 | -0.066 |
| 30 | 41 | 2.916 | 2.908 | -0.008 |
| 30 | 42 | 2.975 | 3.275 | 0.300 |
| 30 | 43 | 2.895 | 2.758 | -0.137 |
| 30 | 44 | 2.944 | 2.592 | -0.352 |
| 35 | 45 | 2.644 | 3.235 | 0.591 |
| 35 | 46 | 2.490 | 2.949 | 0.459 |
| 35 | 47 | 2.847 | 3.143 | 0.296 |
| 35 | 48 | 2.817 | 2.958 | 0.141 |
| 35 | 49 | 2.579 | 2.427 | -0.152 |
| 50 | 50 | 3.261 | 2.412 | -0.849 |
| 50 | 51 | 2.613 | 2.473 | -0.140 |
| 50 | 52 | 3.387 | 2.810 | -0.577 |
| 50 | 53 | 2.580 | 2.599 | 0.019 |
| 50 | 54 | 3.200 | 2.393 | -0.807 |
| 55 | 55 | 3.201 | 3.023 | -0.178 |
| 55 | 56 | 2.987 | 3.198 | 0.211 |
| 55 | 57 | 3.216 | 2.422 | -0.794 |
| 55 | 58 | 2.839 | 2.457 | -0.382 |
| 55 | 59 | 2.600 | 2.747 | 0.147 |
| 100 | 60 | 2.804 | 2.956 | 0.152 |
| 100 | 61 | 2.583 | 2.936 | 0.353 |
| 100 | 62 | 2.746 | 2.607 | -0.139 |
| 100 | 63 | 2.795 | 2.909 | 0.114 |
| 100 | 64 | 2.770 | 2.502 | -0.268 |
| 105 | 65 | 3.369 | 3.162 | -0.207 |
| 105 | 66 | 2.771 | 3.164 | 0.393 |
| 105 | 67 | 3.189 | 2.585 | -0.604 |
| 105 | 68 | 2.786 | 2.438 | -0.348 |
| 105 | 69 | 3.130 | 2.479 | -0.651 |
| | Max | 3.387 | 3.290 | 0.819 |
| | Average | 2.857 | 2.829 | -0.028 |
| | Min | 2.443 | 2.393 | -0.849 |
| | Std Dev | 0.274 | 0.293 | 0.457 |




| | 27.8_TPD_SM_FAULT/S | |
|---|---|---|
| Test Site | | |
| Tester | | |
| Test Number | | |
| Max Limit | 4.2 | uSec |
| Min Limit | 0.1 | uSec |

| krad(Si) | 0 | 3 | 5 | 10 | 15 | 30 | 35 | 50 | 55 | 100 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| LL | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| Min | 2.477 | 2.480 | 2.671 | 2.537 | 2.435 | 2.592 | 2.427 | 2.393 | 2.422 | 2.502 | 2.438 |
| Average | 2.829 | 2.754 | 2.970 | 2.973 | 2.866 | 2.931 | 2.942 | 2.537 | 2.769 | 2.782 | 2.766 |
| Max | 3.229 | 3.235 | 3.290 | 3.265 | 3.151 | 3.275 | 3.235 | 2.810 | 3.198 | 2.956 | 3.164 |
| UL | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 | 4.200 |



# B LDR TID Report Data

This appendix contains the LDR TID report data.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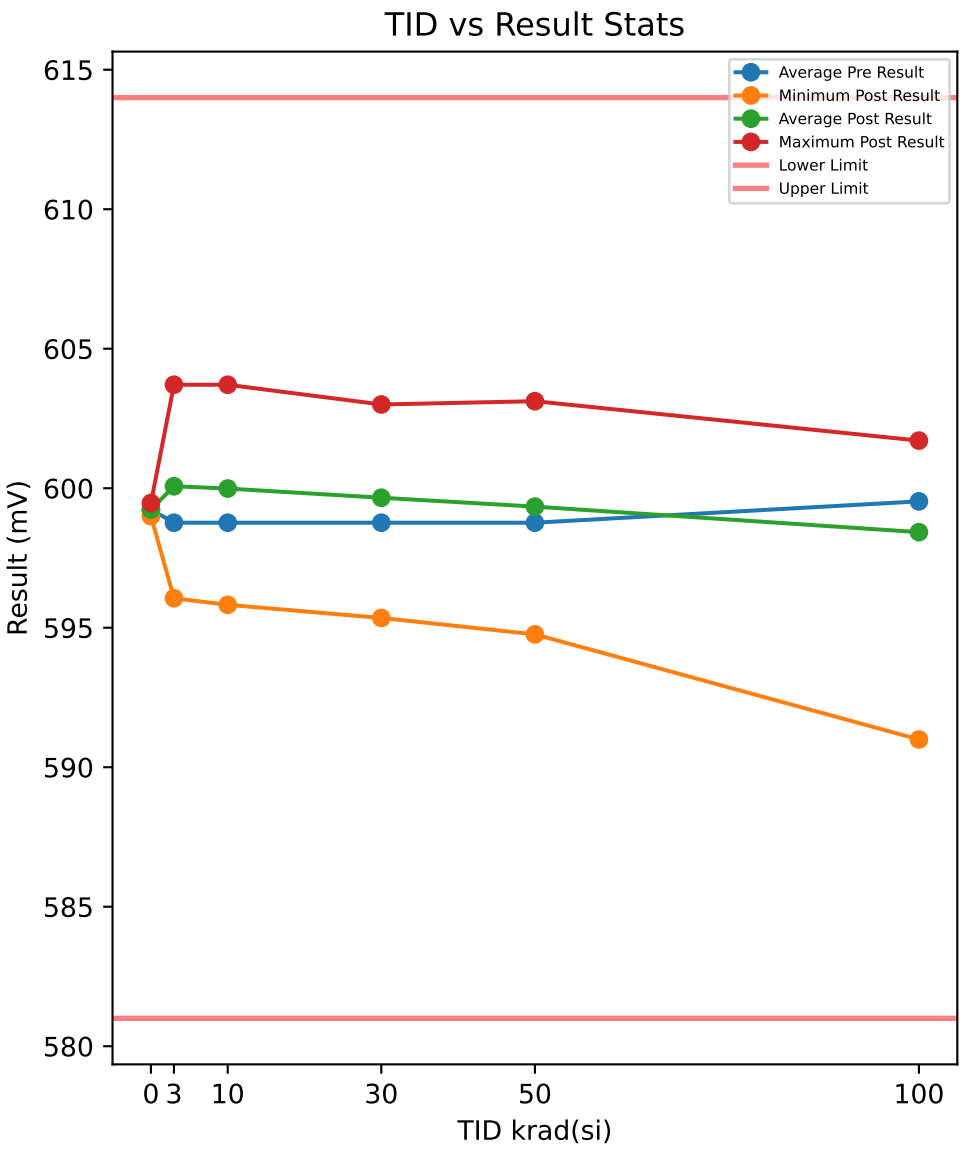
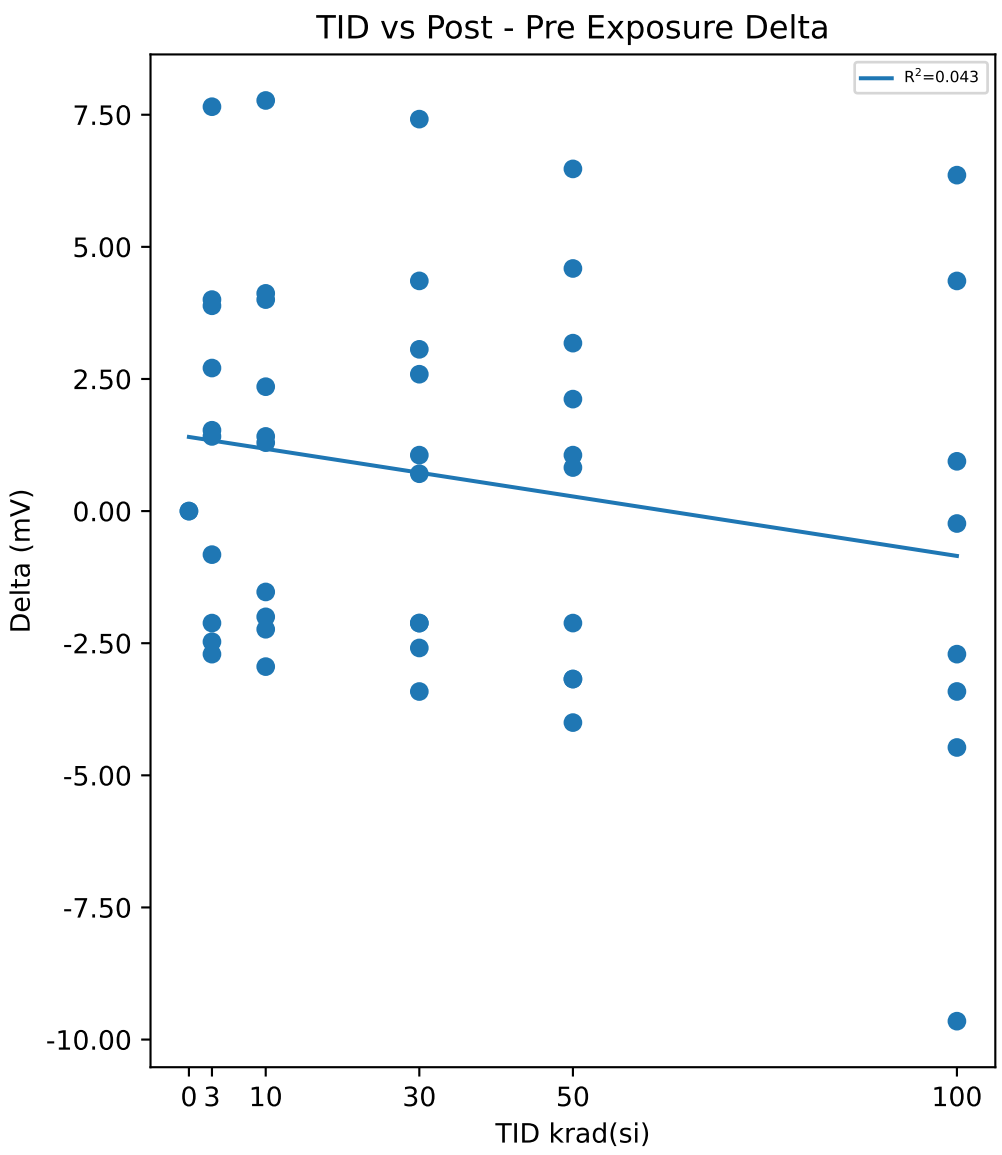
# Device Test: 13.1 VTH_UP_RISING/UP/1.6/3/0/0/0/@VTH_UP



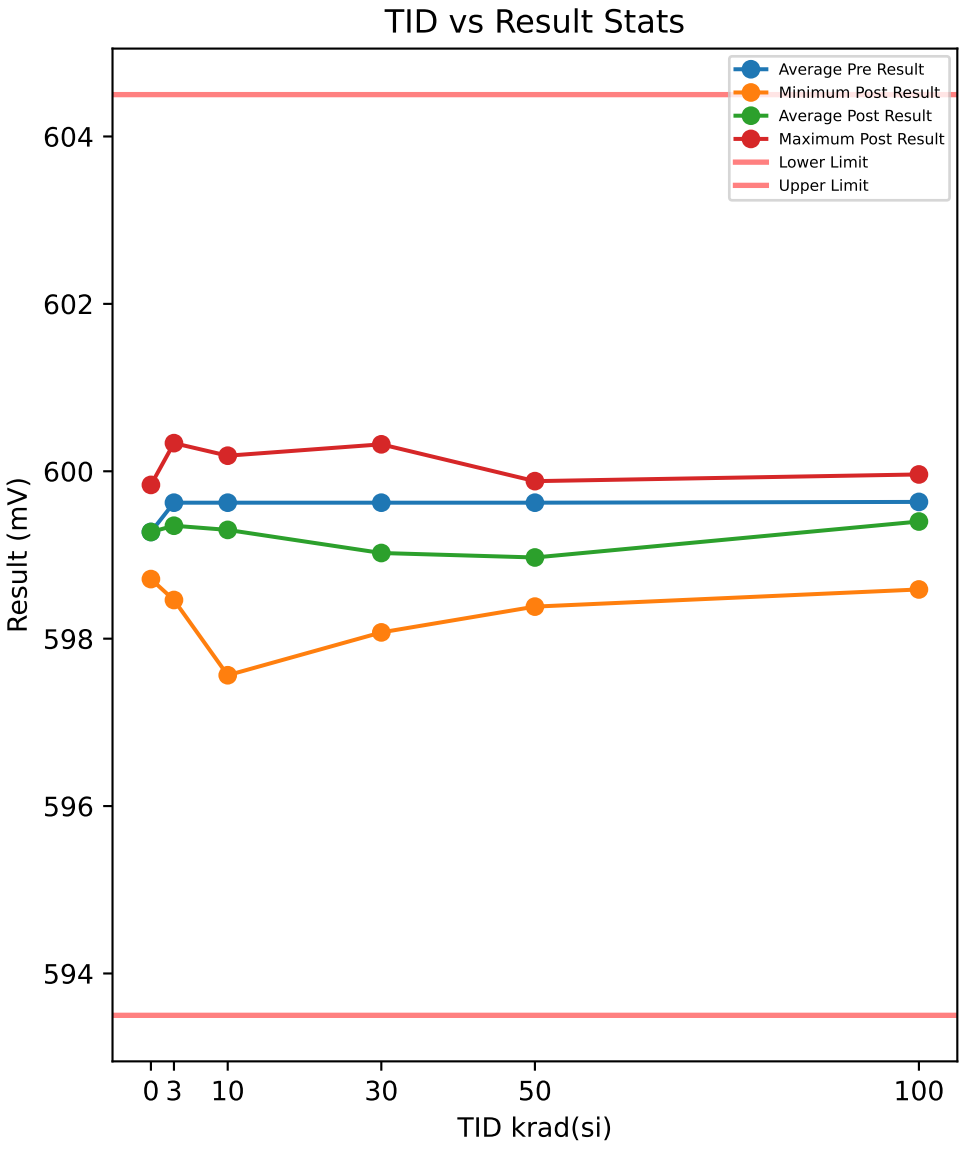

Test Results (Lower Limit = 581.0, Upper Limit = 614.0 (mV))

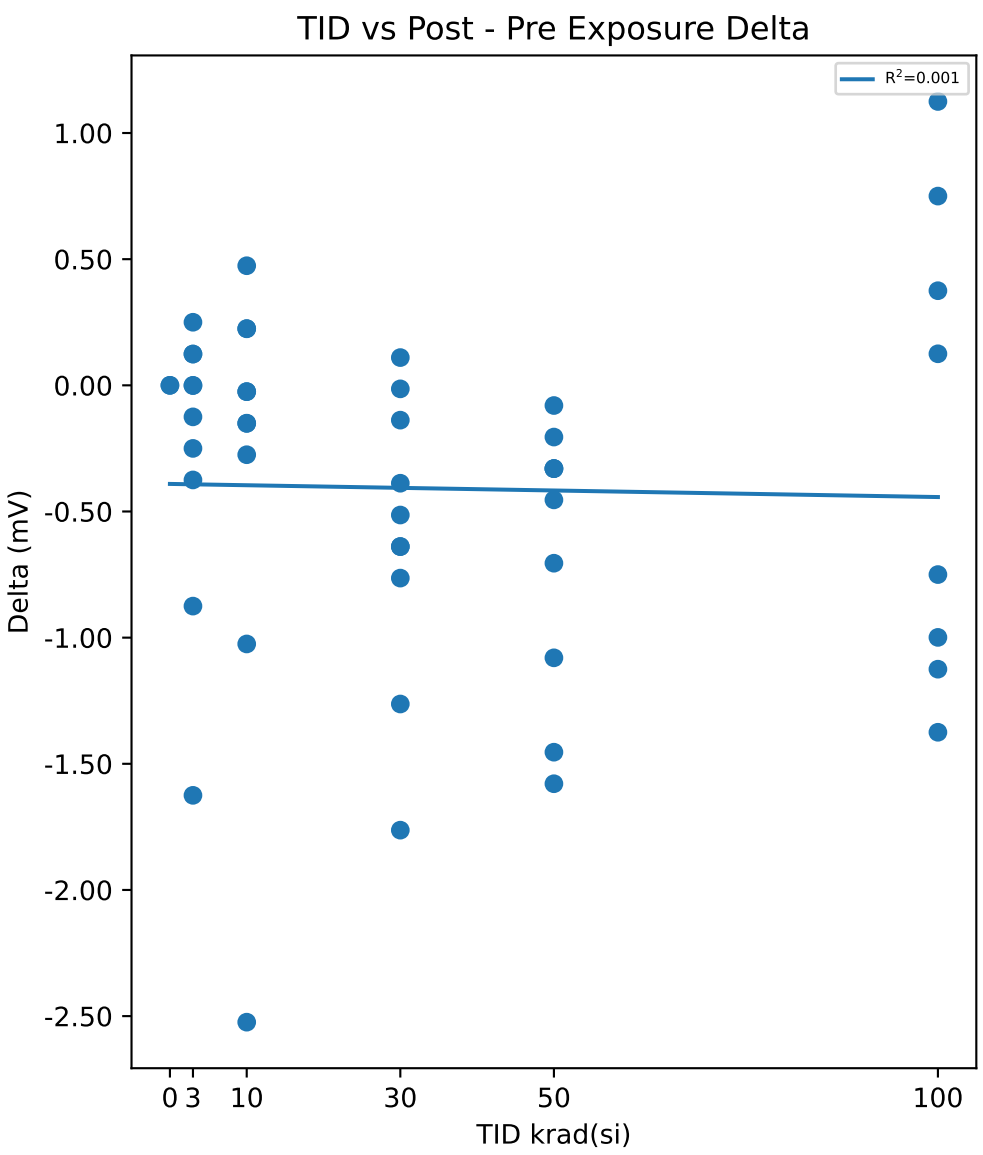
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599 | 599 | 0 |
| 7 | 0 | Correlation | 599.47 | 599.47 | 0 |
| 16 | 3 | LDR-Biased | 602.29 | 603.71 | 1.413 |
| 18 | 3 | LDR-Biased | 603.36 | 600.88 | -2.472 |
| 19 | 3 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 20 | 3 | LDR-Biased | 598.88 | 600.41 | 1.53 |
| 21 | 3 | LDR-Biased | 595.47 | 598.17 | 2.707 |
| 22 | 3 | LDR-Unbiased | 595.23 | 602.88 | 7.652 |
| 23 | 3 | LDR-Unbiased | 595 | 599 | 4.002 |
| 25 | 3 | LDR-Unbiased | 595 | 598.88 | 3.885 |
| 26 | 3 | LDR-Unbiased | 598.76 | 596.06 | -2.707 |
| 27 | 3 | LDR-Unbiased | 599.59 | 598.76 | -0.824 |
| 46 | 10 | LDR-Biased | 602.29 | 603.71 | 1.413 |
| 48 | 10 | LDR-Biased | 603.36 | 601.35 | -2.001 |
| 49 | 10 | LDR-Biased | 604.06 | 601.83 | -2.236 |
| 50 | 10 | LDR-Biased | 598.88 | 600.18 | 1.295 |
| 51 | 10 | LDR-Biased | 595.47 | 597.82 | 2.354 |
| 52 | 10 | LDR-Unbiased | 595.23 | 603 | 7.77 |
| 53 | 10 | LDR-Unbiased | 595 | 599.12 | 4.12 |
| 55 | 10 | LDR-Unbiased | 595 | 599 | 4.002 |
| 56 | 10 | LDR-Unbiased | 598.76 | 595.82 | -2.943 |
| 57 | 10 | LDR-Unbiased | 599.59 | 598.06 | -1.53 |
| 76 | 30 | LDR-Biased | 602.29 | 603 | 0.707 |
| 78 | 30 | LDR-Biased | 603.36 | 600.76 | -2.59 |
| 79 | 30 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 80 | 30 | LDR-Biased | 598.88 | 599.94 | 1.059 |
| 81 | 30 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 82 | 30 | LDR-Unbiased | 595.23 | 602.65 | 7.417 |
| 83 | 30 | LDR-Unbiased | 595 | 599.35 | 4.356 |
| 84 | 30 | LDR-Unbiased | 599.59 | 597.47 | -2.119 |
| 85 | 30 | LDR-Unbiased | 595 | 598.06 | 3.061 |
| 86 | 30 | LDR-Unbiased | 598.76 | 595.35 | -3.414 |
| 87 | 100 | LDR-Biased | 597.59 | 598.53 | 0.942 |
| 88 | 100 | LDR-Biased | 602.29 | 598.88 | -3.413 |
| 90 | 100 | LDR-Biased | 603.36 | 598.88 | -4.473 |
| 91 | 100 | LDR-Unbiased | 595.12 | 599.47 | 4.355 |
| 93 | 100 | LDR-Unbiased | 595.35 | 601.71 | 6.357 |
| 94 | 100 | LDR-Unbiased | 602.29 | 599.59 | -2.707 |
| 95 | 100 | LDR-Unbiased | 600.65 | 591 | -9.652 |
| 96 | 100 | LDR-Unbiased | 599.59 | 599.35 | -0.235 |
| 106 | 50 | LDR-Biased | 602.29 | 603.12 | 0.824 |
| 108 | 50 | LDR-Biased | 603.36 | 600.18 | -3.178 |
| 109 | 50 | LDR-Biased | 604.06 | 600.88 | -3.178 |
| 110 | 50 | LDR-Biased | 598.88 | 599.94 | 1.059 |
| 111 | 50 | LDR-Biased | 595.47 | 597.59 | 2.119 |
| 112 | 50 | LDR-Unbiased | 595.23 | 601.71 | 6.475 |
| 113 | 50 | LDR-Unbiased | 595 | 599.59 | 4.591 |
| 115 | 50 | LDR-Unbiased | 595 | 598.17 | 3.178 |
| 116 | 50 | LDR-Unbiased | 598.76 | 594.76 | -4.002 |
| 117 | 50 | LDR-Unbiased | 599.59 | 597.47 | -2.119 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599 | 599.23 | 599.47 | 0.33305 | 599 | 599.23 | 599.47 | 0.33305 | 0 | 0 | 0 | 0 |
| 3 | 595 | 598.76 | 604.06 | 3.5593 | 596.06 | 600.07 | 603.71 | 2.3427 | -2.707 | 1.3067 | 7.652 | 3.3807 |
| 10 | 595 | 598.76 | 604.06 | 3.5593 | 595.82 | 599.99 | 603.71 | 2.4881 | -2.943 | 1.2244 | 7.77 | 3.4576 |
| 30 | 595 | 598.76 | 604.06 | 3.5593 | 595.35 | 599.66 | 603 | 2.4769 | -3.414 | 0.8948 | 7.417 | 3.5122 |
| 50 | 595 | 598.76 | 604.06 | 3.5593 | 594.76 | 599.34 | 603.12 | 2.4101 | -4.002 | 0.5769 | 6.475 | 3.602 |
| 100 | 595.12 | 599.53 | 603.36 | 3.2052 | 591 | 598.43 | 601.71 | 3.1557 | -9.652 | -1.1033 | 6.357 | 5.1092 |

# Device Test: 13.10 VTH_SENSE4_FALLING/SENSE4/1.6/3/0/0/0/@VTH_SENSE



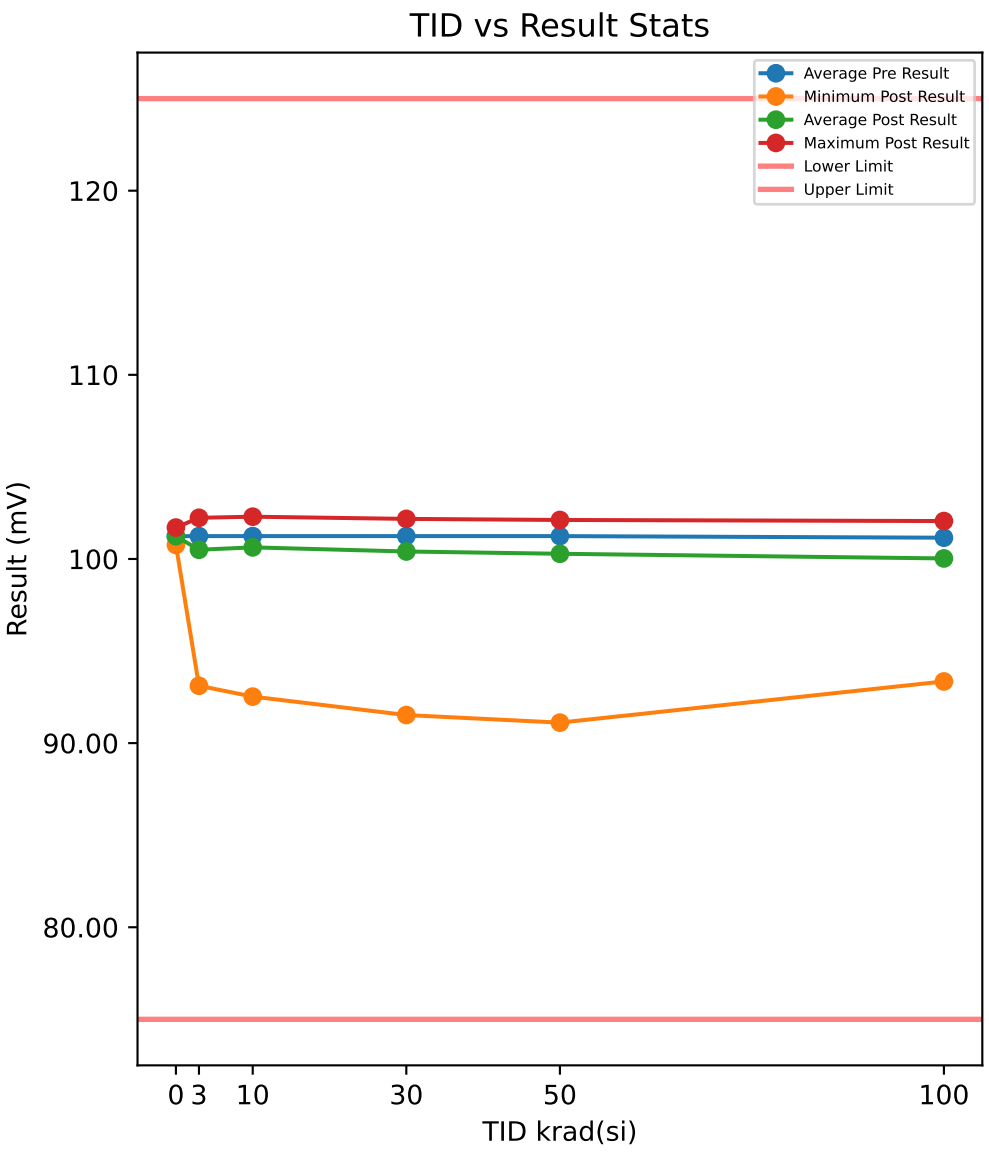

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

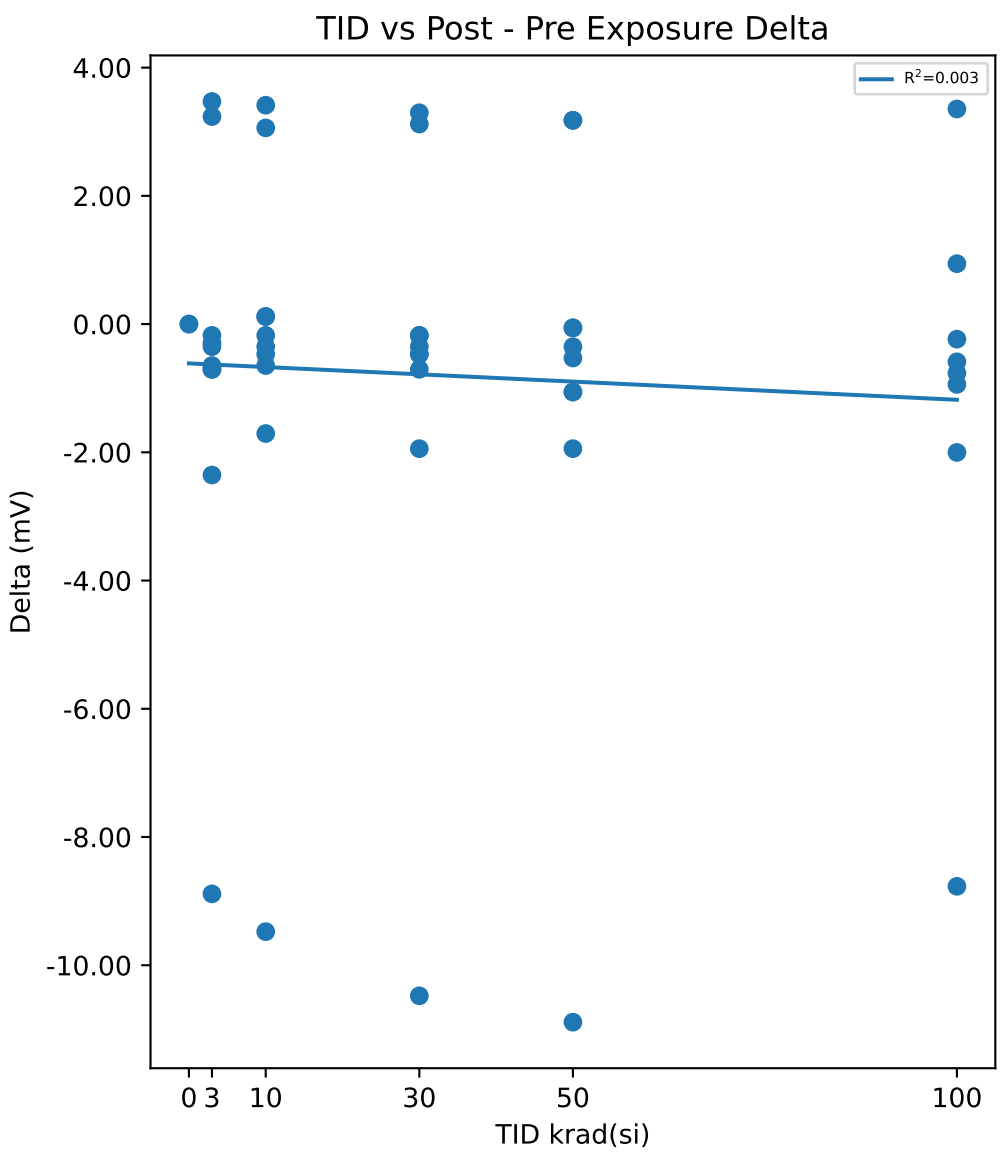
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.84 | 599.84 | 0 |
| 7 | 0 | Correlation | 598.71 | 598.71 | 0 |
| 16 | 3 | LDR-Biased | 599.96 | 600.21 | 0.25 |
| 18 | 3 | LDR-Biased | 599.96 | 599.96 | 0 |
| 19 | 3 | LDR-Biased | 599.96 | 599.84 | -0.125 |
| 20 | 3 | LDR-Biased | 598.96 | 598.71 | -0.25 |
| 21 | 3 | LDR-Biased | 598.46 | 598.46 | -0.001 |
| 22 | 3 | LDR-Unbiased | 599.96 | 599.59 | -0.375 |
| 23 | 3 | LDR-Unbiased | 598.71 | 598.84 | 0.124 |
| 25 | 3 | LDR-Unbiased | 600.21 | 600.34 | 0.124 |
| 26 | 3 | LDR-Unbiased | 599.96 | 599.09 | -0.875 |
| 27 | 3 | LDR-Unbiased | 600.09 | 598.46 | -1.625 |
| 46 | 10 | LDR-Biased | 599.96 | 600.19 | 0.224 |
| 48 | 10 | LDR-Biased | 599.96 | 599.69 | -0.275 |
| 49 | 10 | LDR-Biased | 599.96 | 599.94 | -0.025 |
| 50 | 10 | LDR-Biased | 598.96 | 599.19 | 0.225 |
| 51 | 10 | LDR-Biased | 598.46 | 598.31 | -0.15 |
| 52 | 10 | LDR-Unbiased | 599.96 | 599.94 | -0.025 |
| 53 | 10 | LDR-Unbiased | 598.71 | 599.19 | 0.474 |
| 55 | 10 | LDR-Unbiased | 600.21 | 600.06 | -0.151 |
| 56 | 10 | LDR-Unbiased | 599.96 | 598.94 | -1.025 |
| 57 | 10 | LDR-Unbiased | 600.09 | 597.56 | -2.524 |
| 76 | 30 | LDR-Biased | 599.96 | 598.7 | -1.263 |
| 78 | 30 | LDR-Biased | 599.96 | 599.2 | -0.764 |
| 79 | 30 | LDR-Biased | 599.96 | 599.45 | -0.514 |
| 80 | 30 | LDR-Biased | 598.96 | 598.82 | -0.138 |
| 81 | 30 | LDR-Biased | 598.46 | 598.08 | -0.388 |
| 82 | 30 | LDR-Unbiased | 599.96 | 599.32 | -0.639 |
| 83 | 30 | LDR-Unbiased | 598.71 | 598.7 | -0.014 |
| 84 | 30 | LDR-Unbiased | 600.09 | 598.32 | -1.763 |
| 85 | 30 | LDR-Unbiased | 600.21 | 600.32 | 0.11 |
| 86 | 30 | LDR-Unbiased | 599.96 | 599.32 | -0.639 |
| 87 | 100 | LDR-Biased | 599.71 | 599.84 | 0.125 |
| 88 | 100 | LDR-Biased | 600.59 | 599.46 | -1.125 |
| 90 | 100 | LDR-Biased | 600.34 | 599.59 | -0.75 |
| 91 | 100 | LDR-Unbiased | 598.96 | 599.34 | 0.375 |
| 93 | 100 | LDR-Unbiased | 598.84 | 599.96 | 1.125 |
| 94 | 100 | LDR-Unbiased | 600.21 | 598.84 | -1.375 |
| 95 | 100 | LDR-Unbiased | 598.84 | 599.59 | 0.75 |
| 96 | 100 | LDR-Unbiased | 599.59 | 598.59 | -0.999 |
| 106 | 50 | LDR-Biased | 599.96 | 599.63 | -0.33 |
| 108 | 50 | LDR-Biased | 599.96 | 599.76 | -0.205 |
| 109 | 50 | LDR-Biased | 599.96 | 598.88 | -1.08 |
| 110 | 50 | LDR-Biased | 598.96 | 598.51 | -0.454 |
| 111 | 50 | LDR-Biased | 598.46 | 598.38 | -0.08 |
| 112 | 50 | LDR-Unbiased | 599.96 | 598.51 | -1.454 |
| 113 | 50 | LDR-Unbiased | 598.71 | 598.38 | -0.33 |
| 115 | 50 | LDR-Unbiased | 600.21 | 599.88 | -0.33 |
| 116 | 50 | LDR-Unbiased | 599.96 | 599.26 | -0.705 |
| 117 | 50 | LDR-Unbiased | 600.09 | 598.51 | -1.579 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.71 | 599.27 | 599.84 | 0.7955 | 598.71 | 599.27 | 599.84 | 0.7955 | 0 | 0 | 0 | 0 |
| 3 | 598.46 | 599.62 | 600.21 | 0.64527 | 598.46 | 599.35 | 600.34 | 0.72262 | -1.625 | -0.2753 | 0.25 | 0.57352 |
| 10 | 598.46 | 599.62 | 600.21 | 0.64527 | 597.56 | 599.3 | 600.19 | 0.84814 | -2.524 | -0.3252 | 0.474 | 0.86995 |
| 30 | 598.46 | 599.62 | 600.21 | 0.64527 | 598.08 | 599.02 | 600.32 | 0.64252 | -1.763 | -0.6012 | 0.11 | 0.57109 |
| 50 | 598.46 | 599.62 | 600.21 | 0.64527 | 598.38 | 598.97 | 599.88 | 0.60635 | -1.579 | -0.6547 | -0.08 | 0.53393 |
| 100 | 598.84 | 599.63 | 600.59 | 0.70374 | 598.59 | 599.4 | 599.96 | 0.47221 | -1.375 | -0.23425 | 1.125 | 0.94583 |

# Device Test: 13.11 VTH_UP_HYS/UP/1.6/3/0/0/0/@UP_DOWN_VHYS



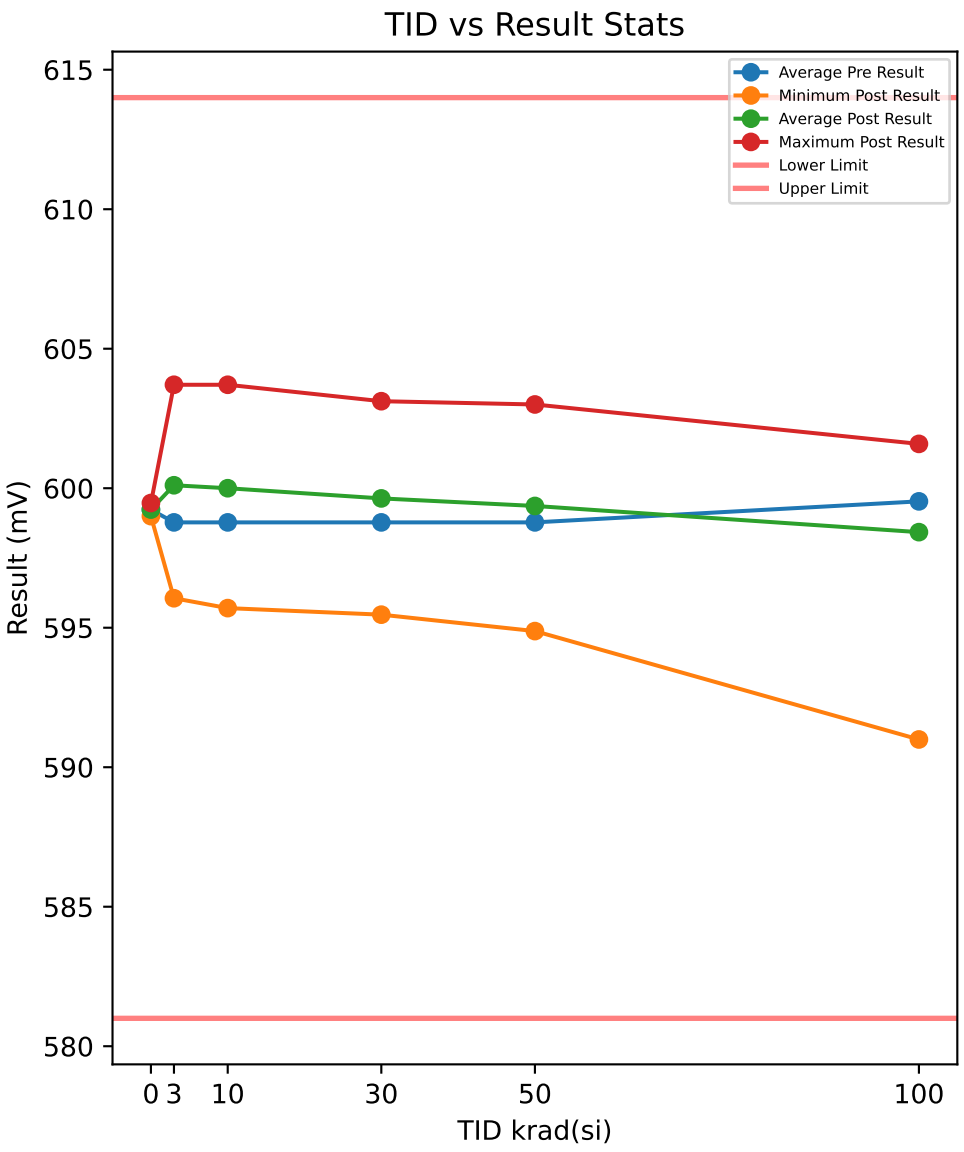

Test Results (Lower Limit = 75.0, Upper Limit = 125.0 (mV))

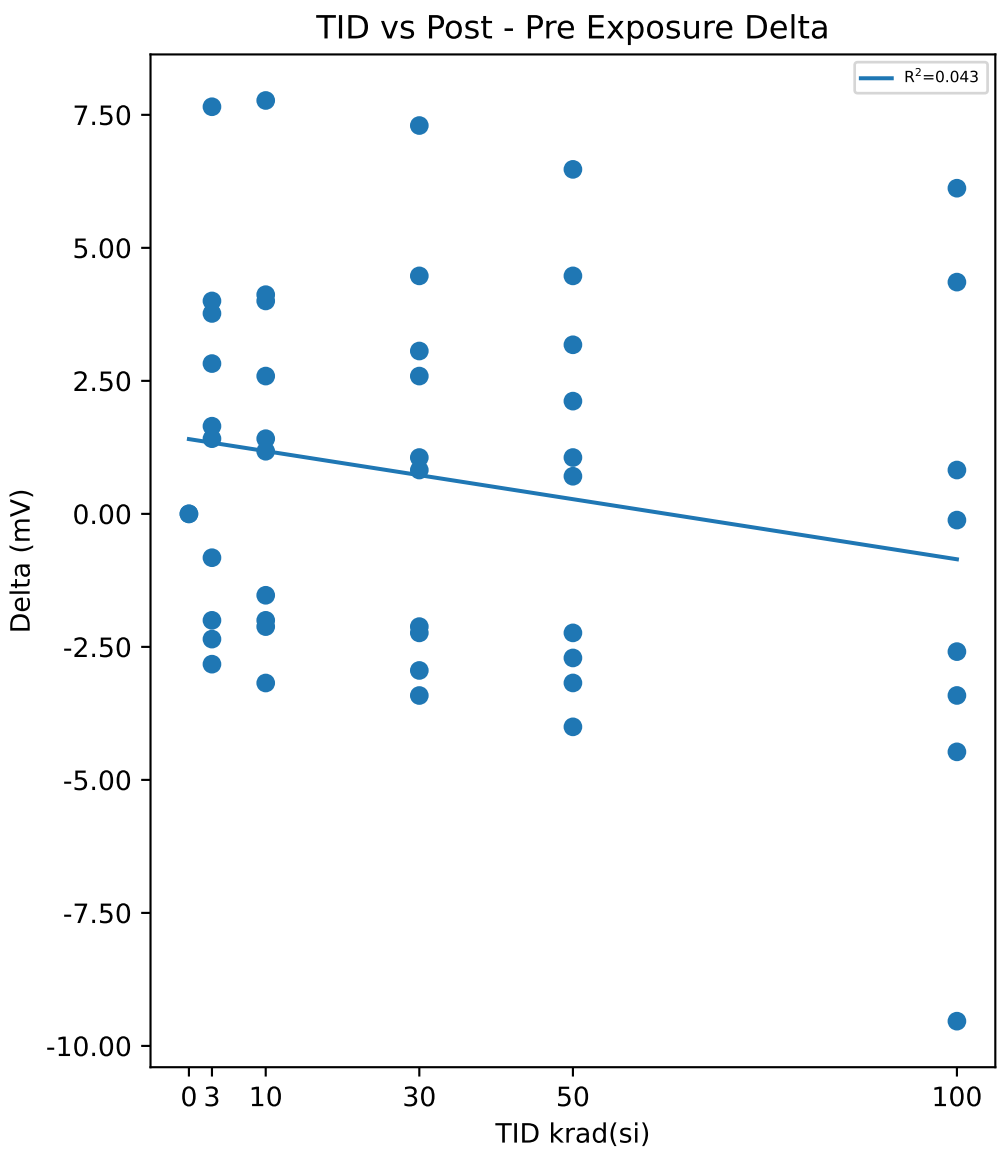
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 101.71 | 101.71 | 0 |
| 7 | 0 | Correlation | 100.77 | 100.77 | 0 |
| 16 | 3 | LDR-Biased | 102.18 | 101.83 | -0.352 |
| 18 | 3 | LDR-Biased | 102.18 | 101.47 | -0.706 |
| 19 | 3 | LDR-Biased | 102.35 | 101.65 | -0.706 |
| 20 | 3 | LDR-Biased | 102.12 | 99.765 | -2.354 |
| 21 | 3 | LDR-Biased | 98.705 | 101.94 | 3.237 |
| 22 | 3 | LDR-Unbiased | 102 | 101.71 | -0.294 |
| 23 | 3 | LDR-Unbiased | 98.764 | 102.24 | 3.472 |
| 25 | 3 | LDR-Unbiased | 99.823 | 99.647 | -0.176 |
| 26 | 3 | LDR-Unbiased | 102 | 93.114 | -8.887 |
| 27 | 3 | LDR-Unbiased | 102.3 | 101.65 | -0.647 |
| 46 | 10 | LDR-Biased | 102.18 | 101.83 | -0.352 |
| 48 | 10 | LDR-Biased | 102.18 | 102.3 | 0.118 |
| 49 | 10 | LDR-Biased | 102.35 | 101.71 | -0.647 |
| 50 | 10 | LDR-Biased | 102.12 | 100.41 | -1.707 |
| 51 | 10 | LDR-Biased | 98.705 | 101.77 | 3.06 |
| 52 | 10 | LDR-Unbiased | 102 | 101.83 | -0.176 |
| 53 | 10 | LDR-Unbiased | 98.764 | 102.18 | 3.414 |
| 55 | 10 | LDR-Unbiased | 99.823 | 99.941 | 0.118 |
| 56 | 10 | LDR-Unbiased | 102 | 92.525 | -9.476 |
| 57 | 10 | LDR-Unbiased | 102.3 | 101.83 | -0.47 |
| 76 | 30 | LDR-Biased | 102.18 | 101.83 | -0.352 |
| 78 | 30 | LDR-Biased | 102.18 | 101.71 | -0.471 |
| 79 | 30 | LDR-Biased | 102.35 | 102.18 | -0.177 |
| 80 | 30 | LDR-Biased | 102.12 | 100.18 | -1.943 |
| 81 | 30 | LDR-Biased | 98.705 | 101.83 | 3.12 |
| 82 | 30 | LDR-Unbiased | 102 | 101.83 | -0.176 |
| 83 | 30 | LDR-Unbiased | 98.764 | 102.06 | 3.296 |
| 84 | 30 | LDR-Unbiased | 102.3 | 101.59 | -0.706 |
| 85 | 30 | LDR-Unbiased | 99.823 | 99.353 | -0.47 |
| 86 | 30 | LDR-Unbiased | 102 | 91.524 | -10.477 |
| 87 | 100 | LDR-Biased | 97.646 | 98.588 | 0.942 |
| 88 | 100 | LDR-Biased | 102.35 | 101.59 | -0.765 |
| 90 | 100 | LDR-Biased | 102.18 | 101.59 | -0.589 |
| 91 | 100 | LDR-Unbiased | 101.88 | 99.882 | -2.002 |
| 93 | 100 | LDR-Unbiased | 98.587 | 101.94 | 3.355 |
| 94 | 100 | LDR-Unbiased | 102.18 | 101.24 | -0.941 |
| 95 | 100 | LDR-Unbiased | 102.12 | 93.349 | -8.769 |
| 96 | 100 | LDR-Unbiased | 102.3 | 102.06 | -0.235 |
| 106 | 50 | LDR-Biased | 102.18 | 102.12 | -0.059 |
| 108 | 50 | LDR-Biased | 102.18 | 101.12 | -1.059 |
| 109 | 50 | LDR-Biased | 102.35 | 101.3 | -1.059 |
| 110 | 50 | LDR-Biased | 102.12 | 100.18 | -1.943 |
| 111 | 50 | LDR-Biased | 98.705 | 101.88 | 3.179 |
| 112 | 50 | LDR-Unbiased | 102 | 101.94 | -0.059 |
| 113 | 50 | LDR-Unbiased | 98.764 | 101.94 | 3.178 |
| 115 | 50 | LDR-Unbiased | 99.823 | 99.47 | -0.353 |
| 116 | 50 | LDR-Unbiased | 102 | 91.113 | -10.888 |
| 117 | 50 | LDR-Unbiased | 102.3 | 101.77 | -0.529 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 100.77 | 101.24 | 101.71 | 0.66539 | 100.77 | 101.24 | 101.71 | 0.66539 | 0 | 0 | 0 | 0 |
| 3 | 98.705 | 101.24 | 102.35 | 1.5132 | 93.114 | 100.5 | 102.24 | 2.7428 | -8.887 | -0.7413 | 3.472 | 3.3865 |
| 10 | 98.705 | 101.24 | 102.35 | 1.5132 | 92.525 | 100.63 | 102.3 | 2.9461 | -9.476 | -0.6118 | 3.414 | 3.5088 |
| 30 | 98.705 | 101.24 | 102.35 | 1.5132 | 91.524 | 100.41 | 102.18 | 3.2499 | -10.477 | -0.8356 | 3.296 | 3.7754 |
| 50 | 98.705 | 101.24 | 102.35 | 1.5132 | 91.113 | 100.28 | 102.12 | 3.3353 | -10.888 | -0.9592 | 3.179 | 3.8871 |
| 100 | 97.646 | 101.15 | 102.35 | 1.8972 | 93.349 | 100.03 | 102.06 | 2.9479 | -8.769 | -1.1255 | 3.355 | 3.4803 |

# Device Test: 13.12 VTH_UP_RISING/UP/7/3/0/0/0/@VTH_UP



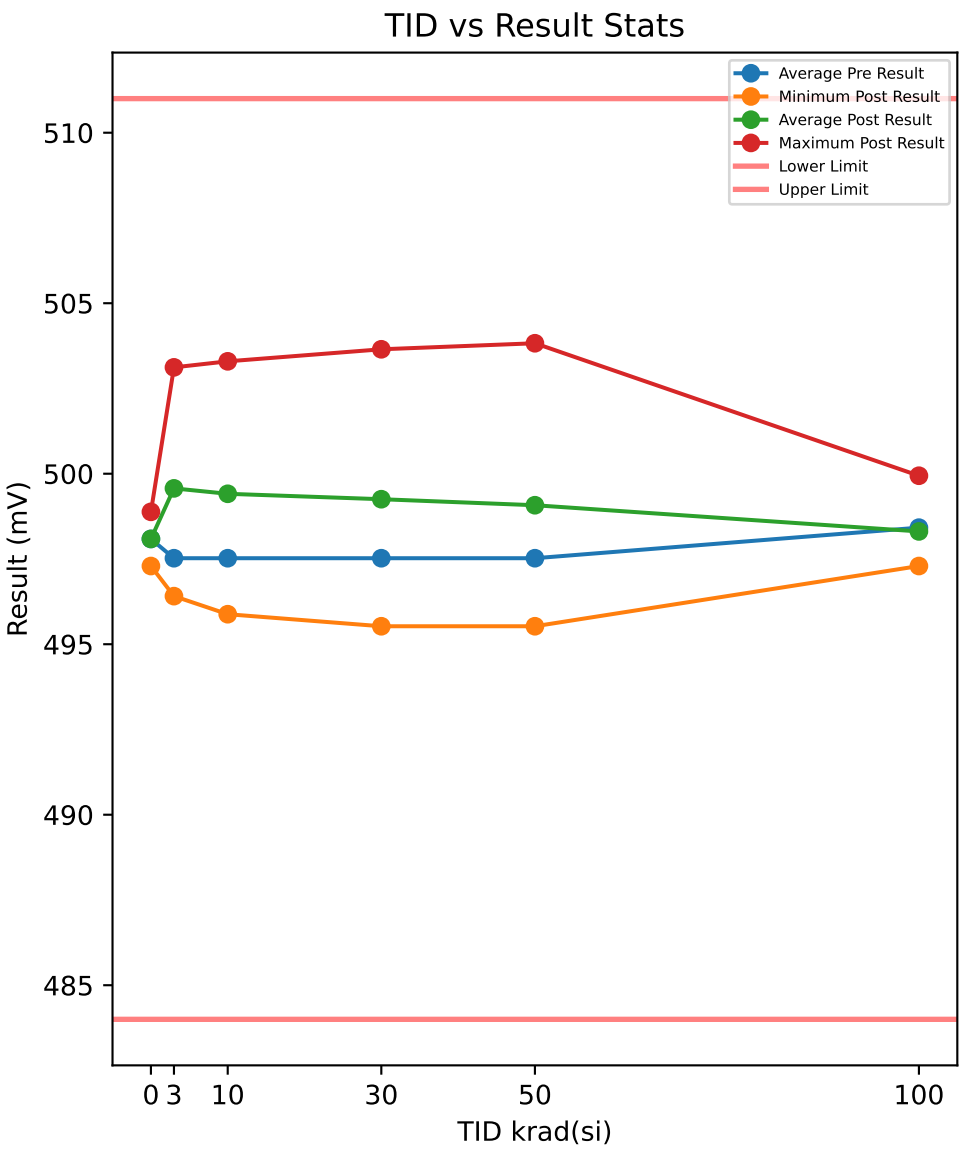

Test Results (Lower Limit = 581.0, Upper Limit = 614.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599 | 599 | 0 |
| 7 | 0 | Correlation | 599.47 | 599.47 | 0 |
| 16 | 3 | LDR-Biased | 602.29 | 603.71 | 1.413 |
| 18 | 3 | LDR-Biased | 603.36 | 601 | -2.354 |
| 19 | 3 | LDR-Biased | 604.06 | 602.06 | -2.001 |
| 20 | 3 | LDR-Biased | 598.88 | 600.53 | 1.648 |
| 21 | 3 | LDR-Biased | 595.47 | 598.29 | 2.825 |
| 22 | 3 | LDR-Unbiased | 595.23 | 602.88 | 7.652 |
| 23 | 3 | LDR-Unbiased | 595 | 599 | 4.002 |
| 25 | 3 | LDR-Unbiased | 595 | 598.76 | 3.767 |
| 26 | 3 | LDR-Unbiased | 598.88 | 596.06 | -2.825 |
| 27 | 3 | LDR-Unbiased | 599.59 | 598.76 | -0.824 |
| 46 | 10 | LDR-Biased | 602.29 | 603.71 | 1.413 |
| 48 | 10 | LDR-Biased | 603.36 | 601.35 | -2.001 |
| 49 | 10 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 50 | 10 | LDR-Biased | 598.88 | 600.06 | 1.177 |
| 51 | 10 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 52 | 10 | LDR-Unbiased | 595.23 | 603 | 7.77 |
| 53 | 10 | LDR-Unbiased | 595 | 599.12 | 4.12 |
| 55 | 10 | LDR-Unbiased | 595 | 599 | 4.002 |
| 56 | 10 | LDR-Unbiased | 598.88 | 595.7 | -3.179 |
| 57 | 10 | LDR-Unbiased | 599.59 | 598.06 | -1.53 |
| 76 | 30 | LDR-Biased | 602.29 | 603.12 | 0.824 |
| 78 | 30 | LDR-Biased | 603.36 | 600.41 | -2.943 |
| 79 | 30 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 80 | 30 | LDR-Biased | 598.88 | 599.94 | 1.059 |
| 81 | 30 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 82 | 30 | LDR-Unbiased | 595.23 | 602.53 | 7.299 |
| 83 | 30 | LDR-Unbiased | 595 | 599.47 | 4.473 |
| 84 | 30 | LDR-Unbiased | 599.59 | 597.35 | -2.237 |
| 85 | 30 | LDR-Unbiased | 595 | 598.06 | 3.061 |
| 86 | 30 | LDR-Unbiased | 598.88 | 595.47 | -3.414 |
| 87 | 100 | LDR-Biased | 597.59 | 598.41 | 0.824 |
| 88 | 100 | LDR-Biased | 602.29 | 598.88 | -3.413 |
| 90 | 100 | LDR-Biased | 603.36 | 598.88 | -4.473 |
| 91 | 100 | LDR-Unbiased | 595.23 | 599.59 | 4.356 |
| 93 | 100 | LDR-Unbiased | 595.47 | 601.59 | 6.121 |
| 94 | 100 | LDR-Unbiased | 602.29 | 599.71 | -2.589 |
| 95 | 100 | LDR-Unbiased | 600.53 | 591 | -9.535 |
| 96 | 100 | LDR-Unbiased | 599.47 | 599.35 | -0.117 |
| 106 | 50 | LDR-Biased | 602.29 | 603 | 0.707 |
| 108 | 50 | LDR-Biased | 603.36 | 600.65 | -2.708 |
| 109 | 50 | LDR-Biased | 604.06 | 600.88 | -3.178 |
| 110 | 50 | LDR-Biased | 598.88 | 599.94 | 1.059 |
| 111 | 50 | LDR-Biased | 595.47 | 597.59 | 2.119 |
| 112 | 50 | LDR-Unbiased | 595.23 | 601.71 | 6.475 |
| 113 | 50 | LDR-Unbiased | 595 | 599.47 | 4.473 |
| 115 | 50 | LDR-Unbiased | 595 | 598.17 | 3.178 |
| 116 | 50 | LDR-Unbiased | 598.88 | 594.88 | -4.003 |
| 117 | 50 | LDR-Unbiased | 599.59 | 597.35 | -2.237 |

Test Statistics (mV)

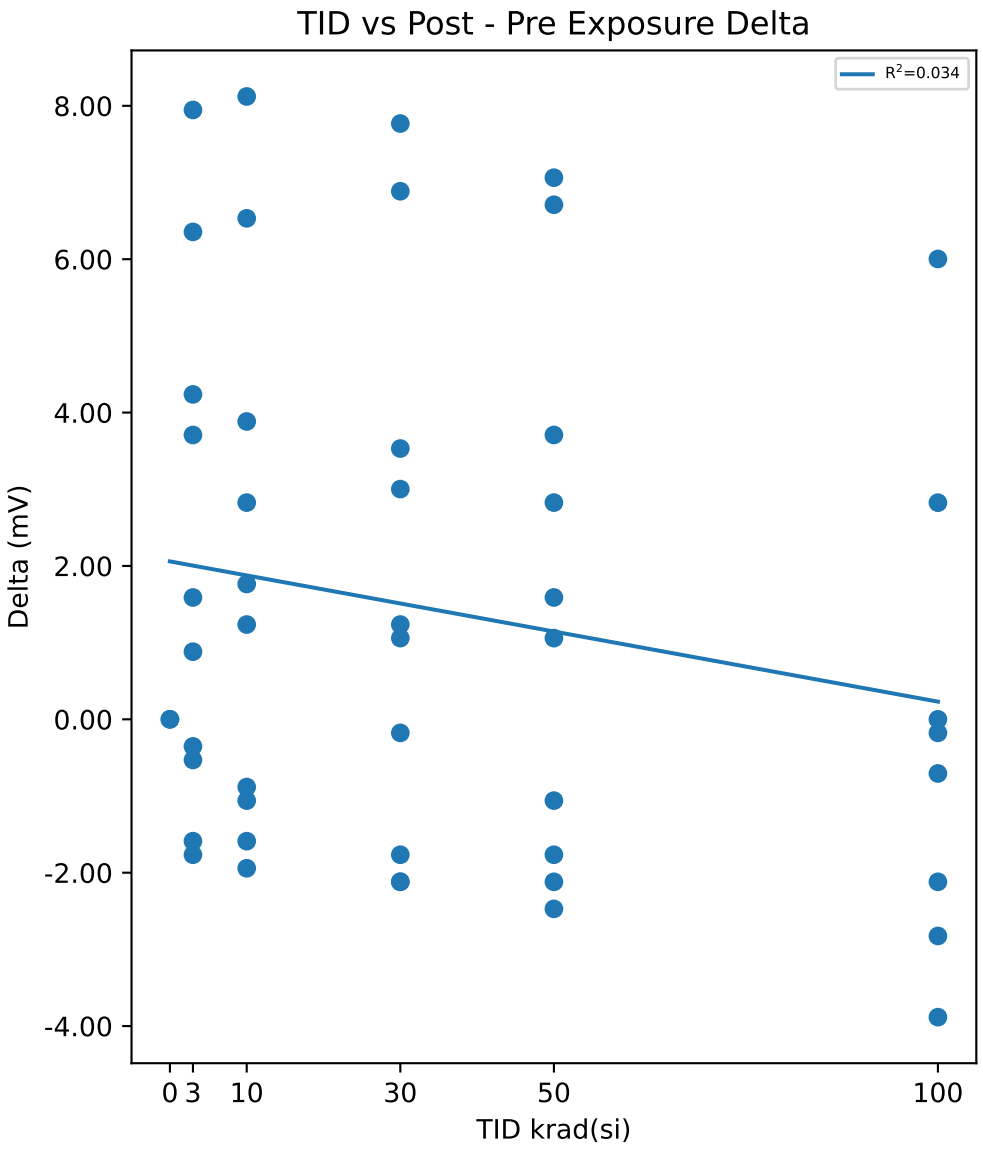
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599 | 599.23 | 599.47 | 0.33305 | 599 | 599.23 | 599.47 | 0.33305 | 0 | 0 | 0 | 0 |
| 3 | 595 | 598.78 | 604.06 | 3.5595 | 596.06 | 600.11 | 603.71 | 2.357 | -2.825 | 1.3303 | 7.652 | 3.3658 |
| 10 | 595 | 598.78 | 604.06 | 3.5595 | 595.7 | 600 | 603.71 | 2.498 | -3.179 | 1.2243 | 7.77 | 3.4866 |
| 30 | 595 | 598.78 | 604.06 | 3.5595 | 595.47 | 599.63 | 603.12 | 2.4524 | -3.414 | 0.8593 | 7.299 | 3.5526 |
| 50 | 595 | 598.78 | 604.06 | 3.5595 | 594.88 | 599.36 | 603 | 2.3982 | -4.003 | 0.5885 | 6.475 | 3.5456 |
| 100 | 595.23 | 599.53 | 603.36 | 3.1549 | 591 | 598.43 | 601.59 | 3.1507 | -9.535 | -1.1033 | 6.121 | 5.0238 |

# Device Test: 13.13 VTH_DOWNb_FALLING/DOWNb/7/3/0/0/0/@VTH_DOWN




Test Results (Lower Limit = 484.0, Upper Limit = 511.0 (mV))

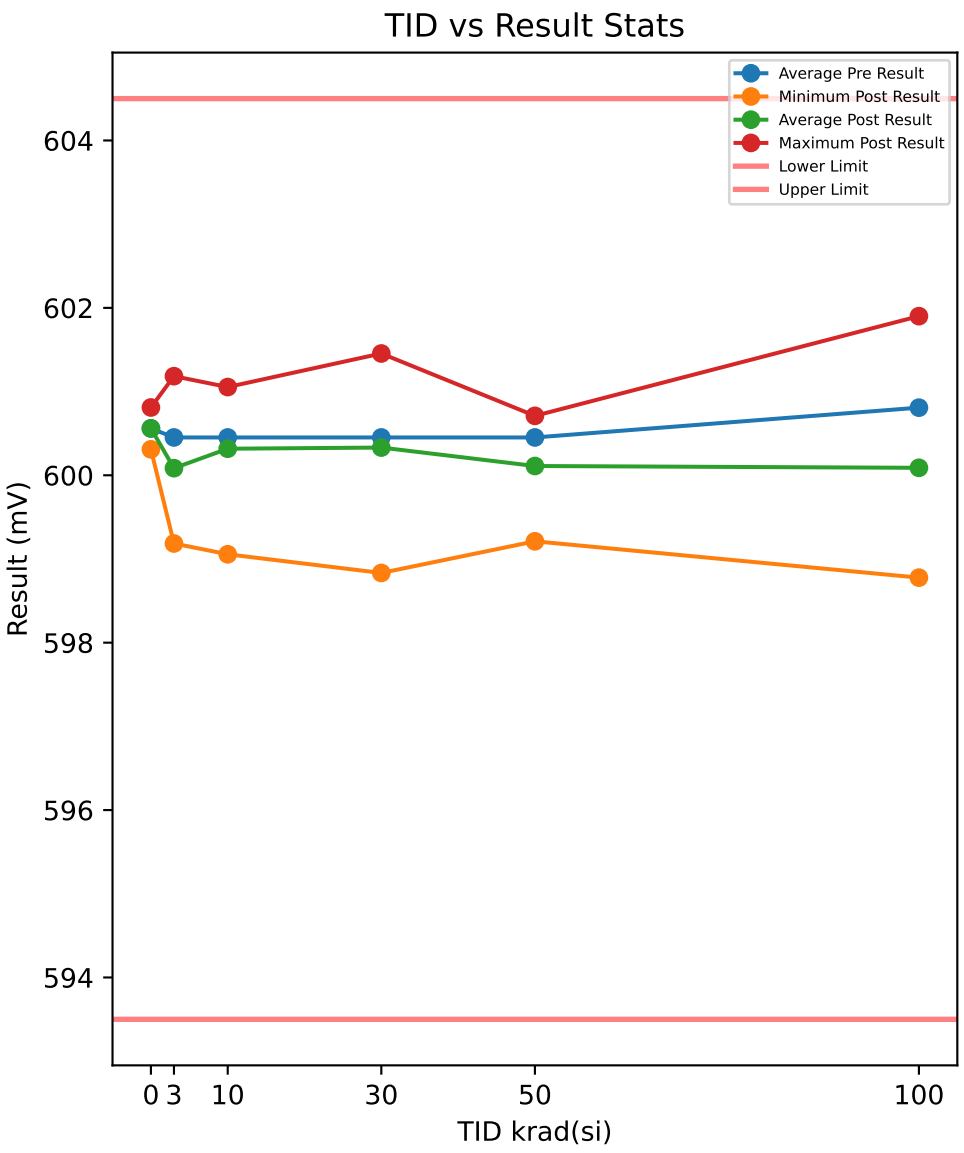
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 497.29 | 497.29 | 0 |
| 7 | 0 | Correlation | 498.88 | 498.88 | 0 |
| 16 | 3 | LDR-Biased | 500.12 | 501.71 | 1.589 |
| 18 | 3 | LDR-Biased | 501.18 | 499.41 | -1.766 |
| 19 | 3 | LDR-Biased | 501.88 | 500.29 | -1.589 |
| 20 | 3 | LDR-Biased | 496.94 | 500.65 | 3.708 |
| 21 | 3 | LDR-Biased | 496.76 | 496.41 | -0.353 |
| 22 | 3 | LDR-Unbiased | 493.06 | 501 | 7.946 |
| 23 | 3 | LDR-Unbiased | 496.06 | 496.94 | 0.882 |
| 25 | 3 | LDR-Unbiased | 495.17 | 499.41 | 4.237 |
| 26 | 3 | LDR-Unbiased | 496.76 | 503.12 | 6.356 |
| 27 | 3 | LDR-Unbiased | 497.29 | 496.76 | -0.53 |
| 46 | 10 | LDR-Biased | 500.12 | 501.88 | 1.765 |
| 48 | 10 | LDR-Biased | 501.18 | 499.24 | -1.942 |
| 49 | 10 | LDR-Biased | 501.88 | 500.29 | -1.589 |
| 50 | 10 | LDR-Biased | 496.94 | 499.76 | 2.826 |
| 51 | 10 | LDR-Biased | 496.76 | 495.88 | -0.883 |
| 52 | 10 | LDR-Unbiased | 493.06 | 501.18 | 8.122 |
| 53 | 10 | LDR-Unbiased | 496.06 | 497.29 | 1.236 |
| 55 | 10 | LDR-Unbiased | 495.17 | 499.06 | 3.884 |
| 56 | 10 | LDR-Unbiased | 496.76 | 503.3 | 6.533 |
| 57 | 10 | LDR-Unbiased | 497.29 | 496.23 | -1.06 |
| 76 | 30 | LDR-Biased | 500.12 | 501.18 | 1.059 |
| 78 | 30 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 79 | 30 | LDR-Biased | 501.88 | 499.76 | -2.118 |
| 80 | 30 | LDR-Biased | 496.94 | 499.94 | 3.002 |
| 81 | 30 | LDR-Biased | 496.76 | 496.59 | -0.177 |
| 82 | 30 | LDR-Unbiased | 493.06 | 500.82 | 7.769 |
| 83 | 30 | LDR-Unbiased | 496.06 | 497.29 | 1.236 |
| 84 | 30 | LDR-Unbiased | 497.29 | 495.53 | -1.766 |
| 85 | 30 | LDR-Unbiased | 495.17 | 498.7 | 3.531 |
| 86 | 30 | LDR-Unbiased | 496.76 | 503.65 | 6.886 |
| 87 | 100 | LDR-Biased | 500.12 | 499.94 | -0.177 |
| 88 | 100 | LDR-Biased | 500.12 | 497.29 | -2.825 |
| 90 | 100 | LDR-Biased | 501.18 | 497.29 | -3.884 |
| 91 | 100 | LDR-Unbiased | 493.41 | 499.41 | 6.003 |
| 93 | 100 | LDR-Unbiased | 496.76 | 499.59 | 2.825 |
| 94 | 100 | LDR-Unbiased | 500.12 | 498 | -2.119 |
| 95 | 100 | LDR-Unbiased | 498.35 | 497.65 | -0.706 |
| 96 | 100 | LDR-Unbiased | 497.29 | 497.29 | 0 |
| 106 | 50 | LDR-Biased | 500.12 | 501.18 | 1.059 |
| 108 | 50 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 109 | 50 | LDR-Biased | 501.88 | 499.41 | -2.472 |
| 110 | 50 | LDR-Biased | 496.94 | 499.76 | 2.826 |
| 111 | 50 | LDR-Biased | 496.76 | 495.7 | -1.06 |
| 112 | 50 | LDR-Unbiased | 493.06 | 499.76 | 6.71 |
| 113 | 50 | LDR-Unbiased | 496.06 | 497.65 | 1.589 |
| 115 | 50 | LDR-Unbiased | 495.17 | 498.88 | 3.708 |
| 116 | 50 | LDR-Unbiased | 496.76 | 503.83 | 7.063 |
| 117 | 50 | LDR-Unbiased | 497.29 | 495.53 | -1.766 |

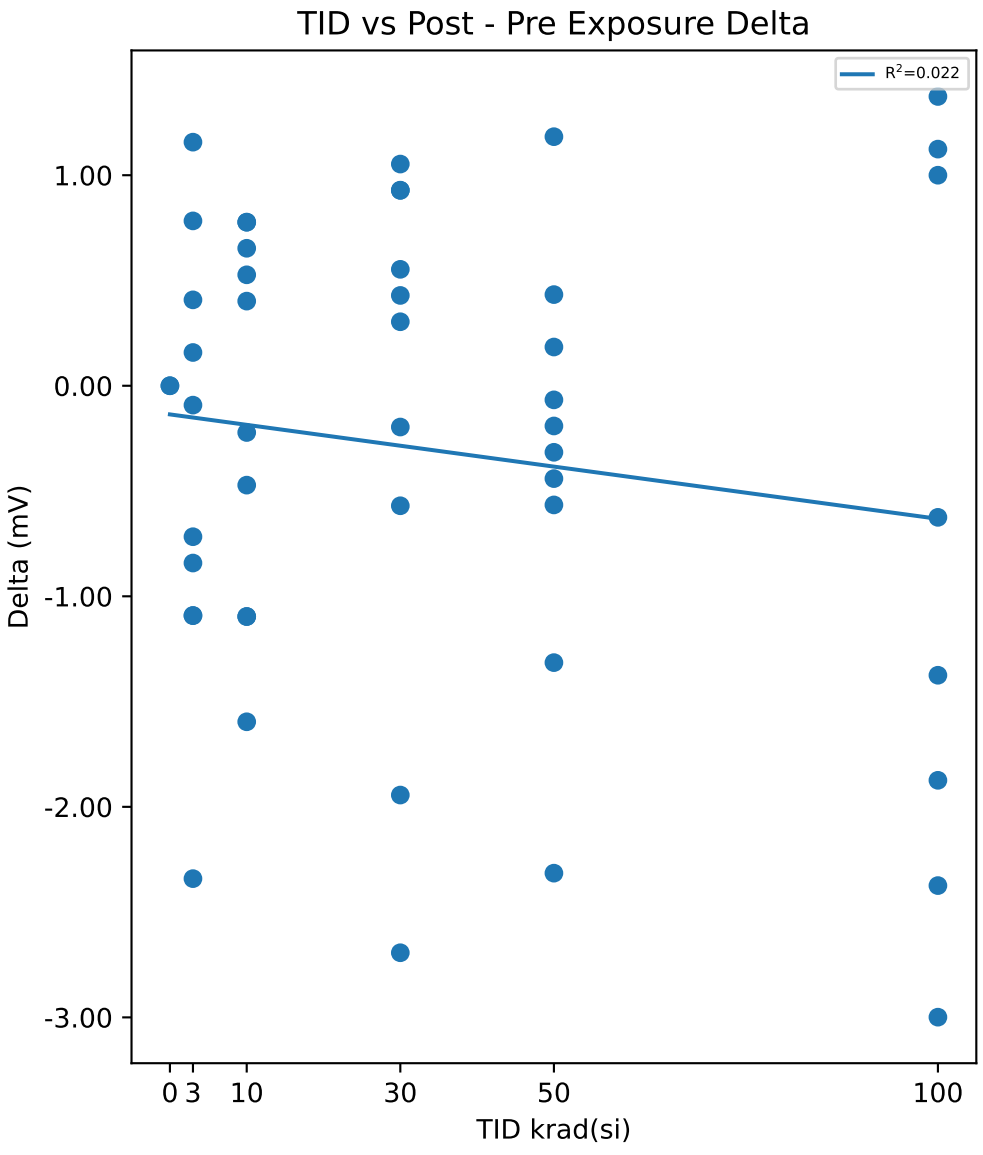



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 497.29 | 498.09 | 498.88 | 1.1236 | 497.29 | 498.09 | 498.88 | 1.1236 | 0 | 0 | 0 | 0 |
| 3 | 493.06 | 497.52 | 501.88 | 2.7543 | 496.41 | 499.57 | 503.12 | 2.2542 | -1.766 | 2.048 | 7.946 | 3.3772 |
| 10 | 493.06 | 497.52 | 501.88 | 2.7543 | 495.88 | 499.41 | 503.3 | 2.4138 | -1.942 | 1.8892 | 8.122 | 3.478 |
| 30 | 493.06 | 497.52 | 501.88 | 2.7543 | 495.53 | 499.25 | 503.65 | 2.3899 | -2.119 | 1.7303 | 7.769 | 3.5604 |
| 50 | 493.06 | 497.52 | 501.88 | 2.7543 | 495.53 | 499.08 | 503.83 | 2.4516 | -2.472 | 1.5538 | 7.063 | 3.5118 |
| 100 | 493.41 | 498.42 | 501.18 | 2.5465 | 497.29 | 498.31 | 499.94 | 1.1431 | -3.884 | -0.11037 | 6.003 | 3.2073 |

# Device Test: 13.14 VTH_SENSE1_RISING/SENSE1/7/3/0/0/0/@VTH_SENSE



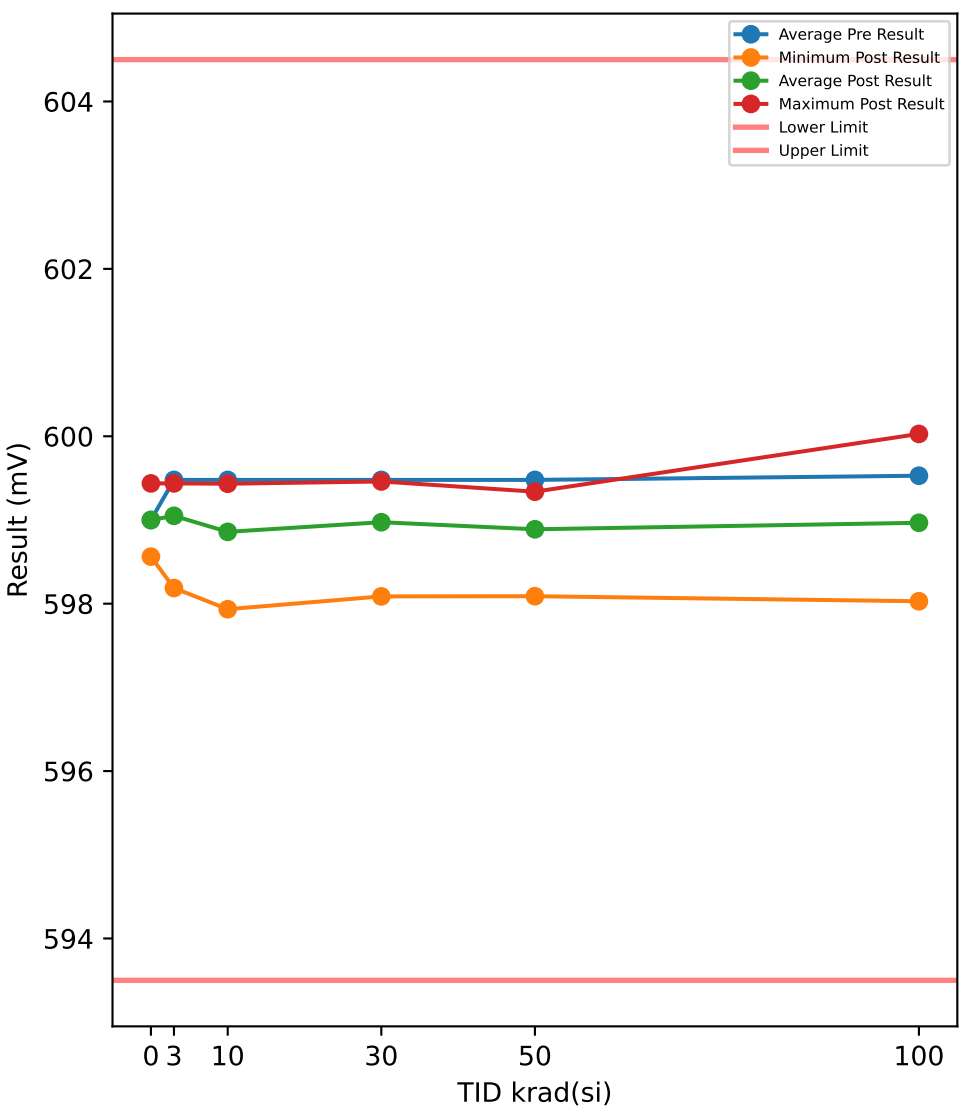

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

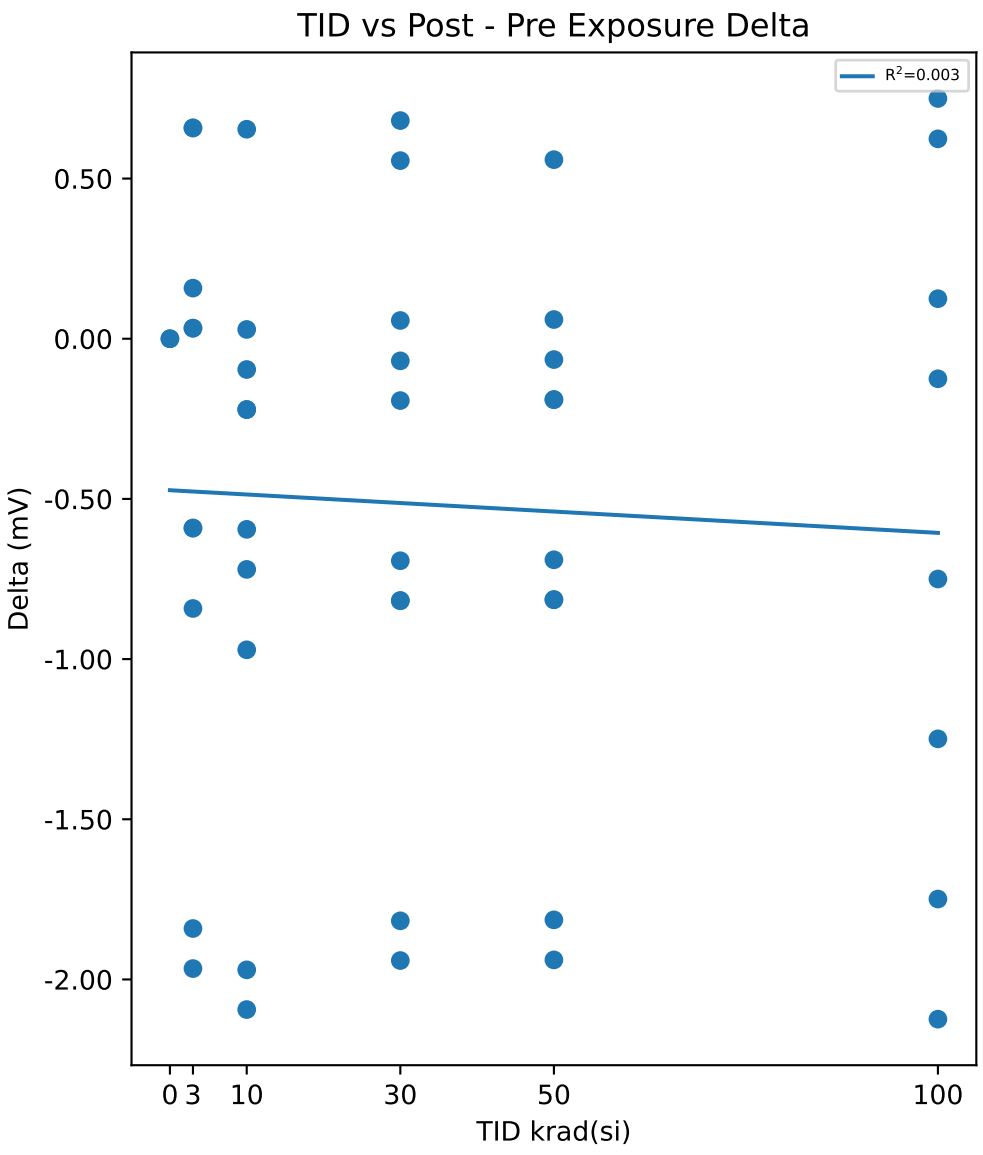
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.31 | 600.31 | 0 |
| 7 | 0 | Correlation | 600.81 | 600.81 | 0 |
| 16 | 3 | LDR-Biased | 601.53 | 599.18 | -2.341 |
| 18 | 3 | LDR-Biased | 600.28 | 600.18 | -0.092 |
| 19 | 3 | LDR-Biased | 600.53 | 599.81 | -0.717 |
| 20 | 3 | LDR-Biased | 600.15 | 600.56 | 0.408 |
| 21 | 3 | LDR-Biased | 600.03 | 600.18 | 0.158 |
| 22 | 3 | LDR-Unbiased | 600.53 | 599.43 | -1.092 |
| 23 | 3 | LDR-Unbiased | 599.53 | 600.31 | 0.783 |
| 25 | 3 | LDR-Unbiased | 600.03 | 601.18 | 1.157 |
| 26 | 3 | LDR-Unbiased | 600.53 | 599.68 | -0.842 |
| 27 | 3 | LDR-Unbiased | 601.4 | 600.31 | -1.091 |
| 46 | 10 | LDR-Biased | 601.53 | 599.93 | -1.596 |
| 48 | 10 | LDR-Biased | 600.28 | 600.05 | -0.222 |
| 49 | 10 | LDR-Biased | 600.53 | 600.93 | 0.402 |
| 50 | 10 | LDR-Biased | 600.15 | 599.06 | -1.096 |
| 51 | 10 | LDR-Biased | 600.03 | 600.8 | 0.777 |
| 52 | 10 | LDR-Unbiased | 600.53 | 600.05 | -0.472 |
| 53 | 10 | LDR-Unbiased | 599.53 | 600.18 | 0.653 |
| 55 | 10 | LDR-Unbiased | 600.03 | 600.8 | 0.777 |
| 56 | 10 | LDR-Unbiased | 600.53 | 601.05 | 0.527 |
| 57 | 10 | LDR-Unbiased | 601.4 | 600.3 | -1.096 |
| 76 | 30 | LDR-Biased | 601.53 | 598.83 | -2.693 |
| 78 | 30 | LDR-Biased | 600.28 | 600.08 | -0.196 |
| 79 | 30 | LDR-Biased | 600.53 | 601.46 | 0.928 |
| 80 | 30 | LDR-Biased | 600.15 | 600.58 | 0.429 |
| 81 | 30 | LDR-Biased | 600.03 | 601.08 | 1.053 |
| 82 | 30 | LDR-Unbiased | 600.53 | 599.96 | -0.57 |
| 83 | 30 | LDR-Unbiased | 599.53 | 600.46 | 0.929 |
| 84 | 30 | LDR-Unbiased | 601.4 | 599.46 | -1.944 |
| 85 | 30 | LDR-Unbiased | 600.03 | 600.33 | 0.304 |
| 86 | 30 | LDR-Unbiased | 600.53 | 601.08 | 0.553 |
| 87 | 100 | LDR-Biased | 601.78 | 599.9 | -1.874 |
| 88 | 100 | LDR-Biased | 601.53 | 599.15 | -2.374 |
| 90 | 100 | LDR-Biased | 599.4 | 600.4 | 1 |
| 91 | 100 | LDR-Unbiased | 600.03 | 601.4 | 1.374 |
| 93 | 100 | LDR-Unbiased | 600.78 | 601.9 | 1.124 |
| 94 | 100 | LDR-Unbiased | 601.78 | 598.78 | -2.999 |
| 95 | 100 | LDR-Unbiased | 600.53 | 599.9 | -0.625 |
| 96 | 100 | LDR-Unbiased | 600.65 | 599.28 | -1.375 |
| 106 | 50 | LDR-Biased | 601.53 | 599.21 | -2.315 |
| 108 | 50 | LDR-Biased | 600.28 | 599.71 | -0.566 |
| 109 | 50 | LDR-Biased | 600.53 | 600.34 | -0.191 |
| 110 | 50 | LDR-Biased | 600.15 | 599.71 | -0.441 |
| 111 | 50 | LDR-Biased | 600.03 | 600.46 | 0.433 |
| 112 | 50 | LDR-Unbiased | 600.53 | 600.21 | -0.316 |
| 113 | 50 | LDR-Unbiased | 599.53 | 600.71 | 1.183 |
| 115 | 50 | LDR-Unbiased | 600.03 | 600.21 | 0.184 |
| 116 | 50 | LDR-Unbiased | 600.53 | 600.46 | -0.067 |
| 117 | 50 | LDR-Unbiased | 601.4 | 600.09 | -1.315 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.31 | 600.56 | 600.81 | 0.35355 | 600.31 | 600.56 | 600.81 | 0.35355 | 0 | 0 | 0 | 0 |
| 3 | 599.53 | 600.45 | 601.53 | 0.6154 | 599.18 | 600.08 | 601.18 | 0.57954 | -2.341 | -0.3669 | 1.157 | 1.0484 |
| 10 | 599.53 | 600.45 | 601.53 | 0.6154 | 599.06 | 600.32 | 601.05 | 0.60444 | -1.596 | -0.1346 | 0.777 | 0.88905 |
| 30 | 599.53 | 600.45 | 601.53 | 0.6154 | 598.83 | 600.33 | 601.46 | 0.79399 | -2.693 | -0.1207 | 1.053 | 1.2765 |
| 50 | 599.53 | 600.45 | 601.53 | 0.6154 | 599.21 | 600.11 | 600.71 | 0.44767 | -2.315 | -0.3411 | 1.183 | 0.95461 |
| 100 | 599.4 | 600.81 | 601.78 | 0.85194 | 598.78 | 600.09 | 601.9 | 1.0975 | -2.999 | -0.71862 | 1.374 | 1.7089 |

# Device Test: 13.15 VTH_SENSE1_FALLING/SENSE1/7/3/0/0/0/@VTH_SENSE



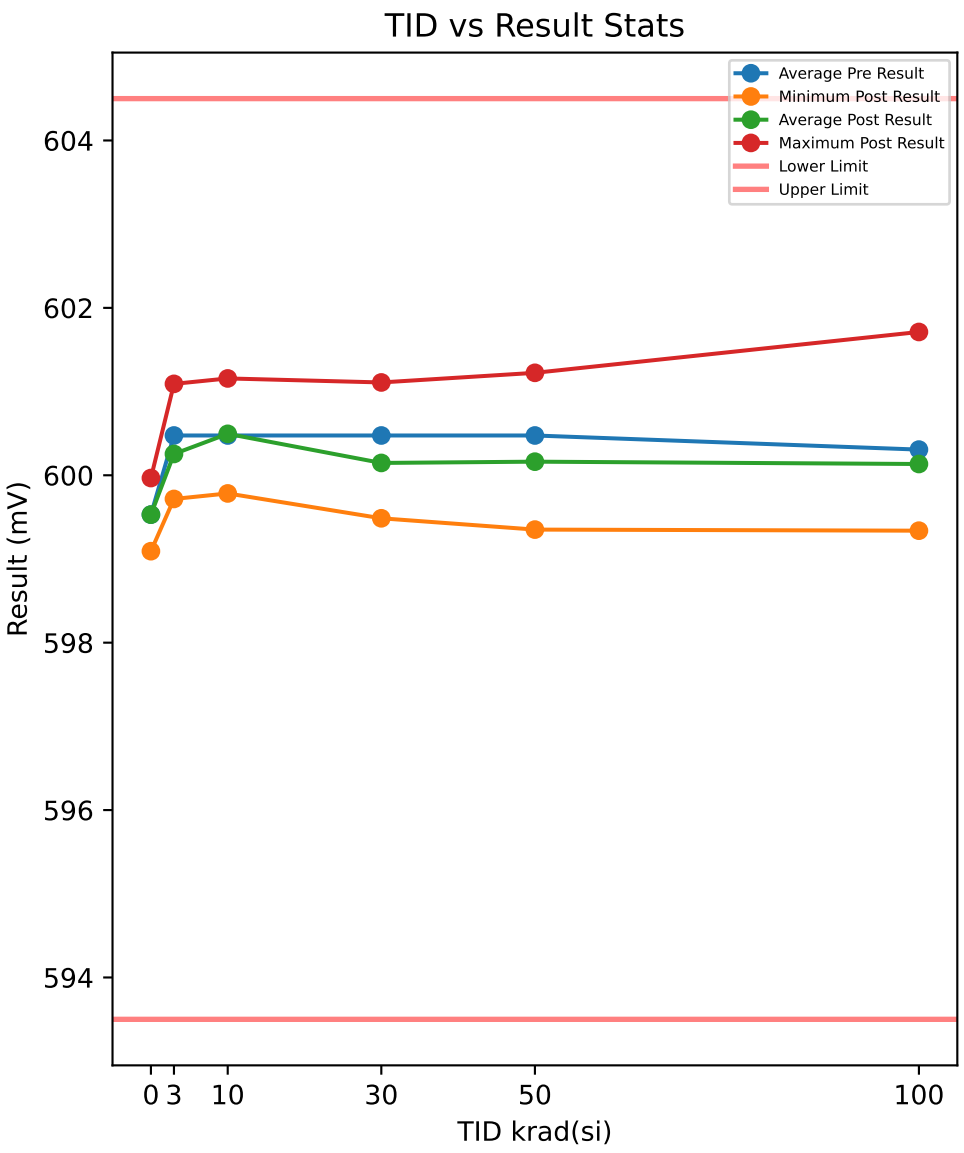

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

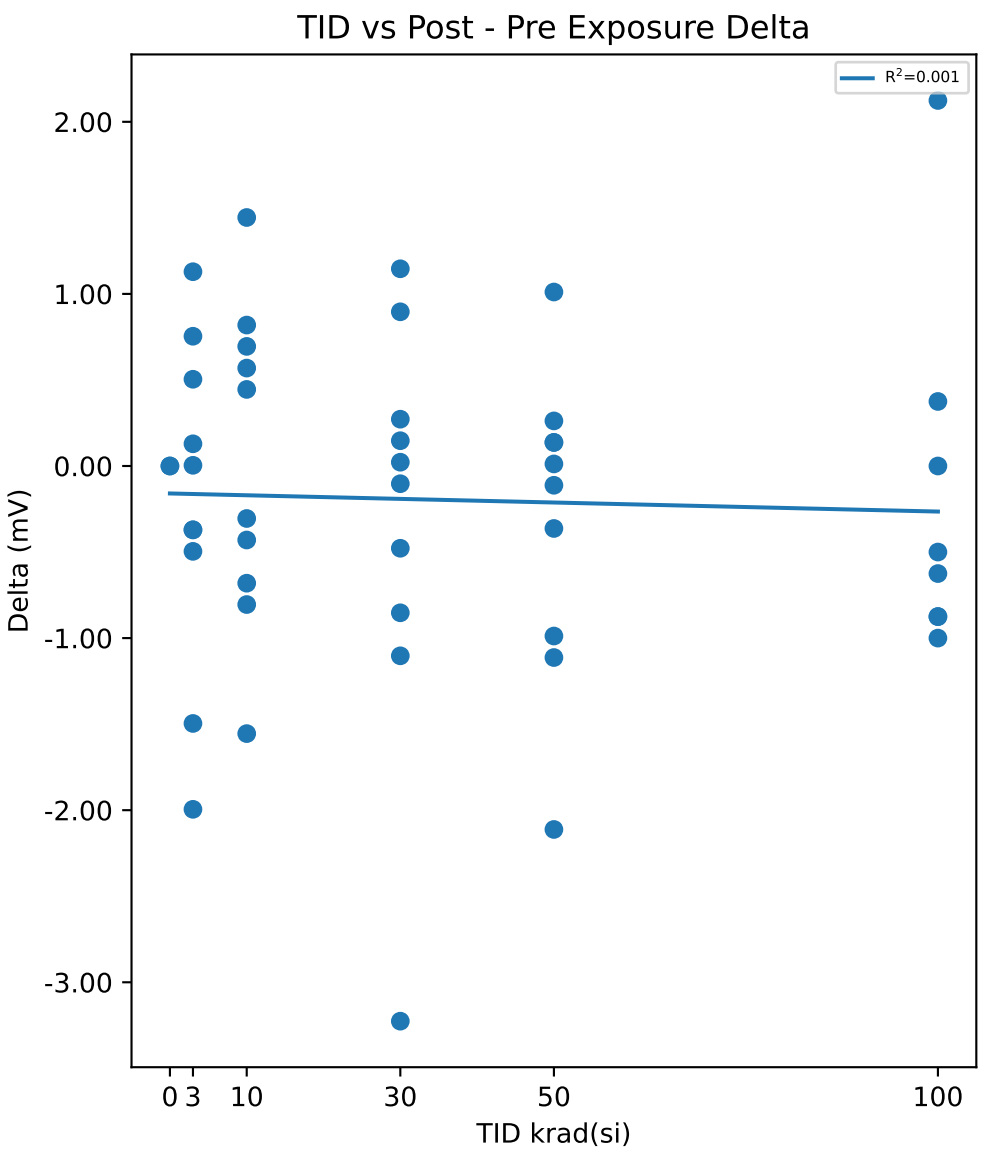
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.56 | 598.56 | 0 |
| 7 | 0 | Correlation | 599.44 | 599.44 | 0 |
| 16 | 3 | LDR-Biased | 600.03 | 598.19 | -1.841 |
| 18 | 3 | LDR-Biased | 599.53 | 598.69 | -0.842 |
| 19 | 3 | LDR-Biased | 600.03 | 599.44 | -0.591 |
| 20 | 3 | LDR-Biased | 598.9 | 598.94 | 0.033 |
| 21 | 3 | LDR-Biased | 598.78 | 599.44 | 0.658 |
| 22 | 3 | LDR-Unbiased | 598.65 | 598.81 | 0.158 |
| 23 | 3 | LDR-Unbiased | 598.78 | 599.44 | 0.658 |
| 25 | 3 | LDR-Unbiased | 600.03 | 599.44 | -0.591 |
| 26 | 3 | LDR-Unbiased | 599.4 | 599.44 | 0.033 |
| 27 | 3 | LDR-Unbiased | 600.65 | 598.69 | -1.966 |
| 46 | 10 | LDR-Biased | 600.03 | 597.93 | -2.094 |
| 48 | 10 | LDR-Biased | 599.53 | 598.56 | -0.971 |
| 49 | 10 | LDR-Biased | 600.03 | 599.31 | -0.72 |
| 50 | 10 | LDR-Biased | 598.9 | 598.68 | -0.221 |
| 51 | 10 | LDR-Biased | 598.78 | 599.43 | 0.654 |
| 52 | 10 | LDR-Unbiased | 598.65 | 598.56 | -0.096 |
| 53 | 10 | LDR-Unbiased | 598.78 | 598.56 | -0.221 |
| 55 | 10 | LDR-Unbiased | 600.03 | 599.43 | -0.595 |
| 56 | 10 | LDR-Unbiased | 599.4 | 599.43 | 0.029 |
| 57 | 10 | LDR-Unbiased | 600.65 | 598.68 | -1.97 |
| 76 | 30 | LDR-Biased | 600.03 | 598.09 | -1.941 |
| 78 | 30 | LDR-Biased | 599.53 | 598.71 | -0.818 |
| 79 | 30 | LDR-Biased | 600.03 | 599.34 | -0.693 |
| 80 | 30 | LDR-Biased | 598.9 | 598.71 | -0.193 |
| 81 | 30 | LDR-Biased | 598.78 | 599.34 | 0.556 |
| 82 | 30 | LDR-Unbiased | 598.65 | 598.71 | 0.057 |
| 83 | 30 | LDR-Unbiased | 598.78 | 599.46 | 0.681 |
| 84 | 30 | LDR-Unbiased | 600.65 | 598.84 | -1.817 |
| 85 | 30 | LDR-Unbiased | 600.03 | 599.21 | -0.817 |
| 86 | 30 | LDR-Unbiased | 599.4 | 599.34 | -0.069 |
| 87 | 100 | LDR-Biased | 599.4 | 599.53 | 0.125 |
| 88 | 100 | LDR-Biased | 600.15 | 598.9 | -1.249 |
| 90 | 100 | LDR-Biased | 598.9 | 598.78 | -0.125 |
| 91 | 100 | LDR-Unbiased | 598.78 | 599.53 | 0.75 |
| 93 | 100 | LDR-Unbiased | 599.4 | 600.03 | 0.624 |
| 94 | 100 | LDR-Unbiased | 600.03 | 598.28 | -1.749 |
| 95 | 100 | LDR-Unbiased | 599.4 | 598.65 | -0.75 |
| 96 | 100 | LDR-Unbiased | 600.15 | 598.03 | -2.124 |
| 106 | 50 | LDR-Biased | 600.03 | 598.09 | -1.939 |
| 108 | 50 | LDR-Biased | 599.53 | 598.71 | -0.815 |
| 109 | 50 | LDR-Biased | 600.03 | 599.34 | -0.69 |
| 110 | 50 | LDR-Biased | 598.9 | 598.71 | -0.19 |
| 111 | 50 | LDR-Biased | 598.78 | 598.71 | -0.065 |
| 112 | 50 | LDR-Unbiased | 598.65 | 598.71 | 0.06 |
| 113 | 50 | LDR-Unbiased | 598.78 | 599.34 | 0.559 |
| 115 | 50 | LDR-Unbiased | 600.03 | 599.21 | -0.814 |
| 116 | 50 | LDR-Unbiased | 599.4 | 599.21 | -0.19 |
| 117 | 50 | LDR-Unbiased | 600.65 | 598.84 | -1.814 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.56 | 599 | 599.44 | 0.61872 | 598.56 | 599 | 599.44 | 0.61872 | 0 | 0 | 0 | 0 |
| 3 | 598.65 | 599.48 | 600.65 | 0.68975 | 598.19 | 599.05 | 599.44 | 0.4505 | -1.966 | -0.4291 | 0.658 | 0.92579 |
| 10 | 598.65 | 599.48 | 600.65 | 0.68975 | 597.93 | 598.86 | 599.43 | 0.51418 | -2.094 | -0.6205 | 0.654 | 0.86707 |
| 30 | 598.65 | 599.48 | 600.65 | 0.68975 | 598.09 | 598.97 | 599.46 | 0.43418 | -1.941 | -0.5054 | 0.681 | 0.8913 |
| 50 | 598.65 | 599.48 | 600.65 | 0.68975 | 598.09 | 598.89 | 599.34 | 0.3915 | -1.939 | -0.5898 | 0.559 | 0.80049 |
| 100 | 598.78 | 599.53 | 600.15 | 0.53822 | 598.03 | 598.97 | 600.03 | 0.68116 | -2.124 | -0.56225 | 0.75 | 1.0788 |

# Device Test: 13.16 VTH_SENSE2_RISING/SENSE2/7/3/0/0/0/@VTH_SENSE



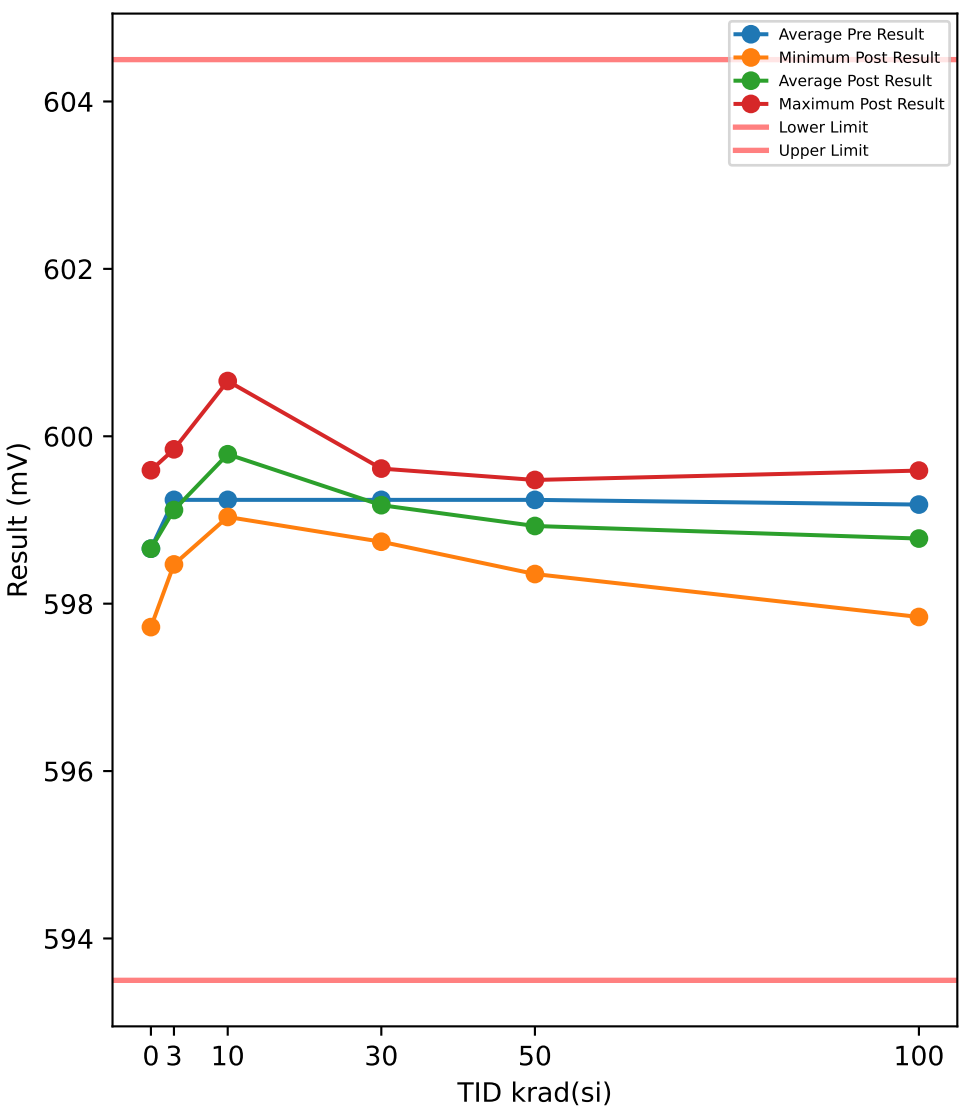

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

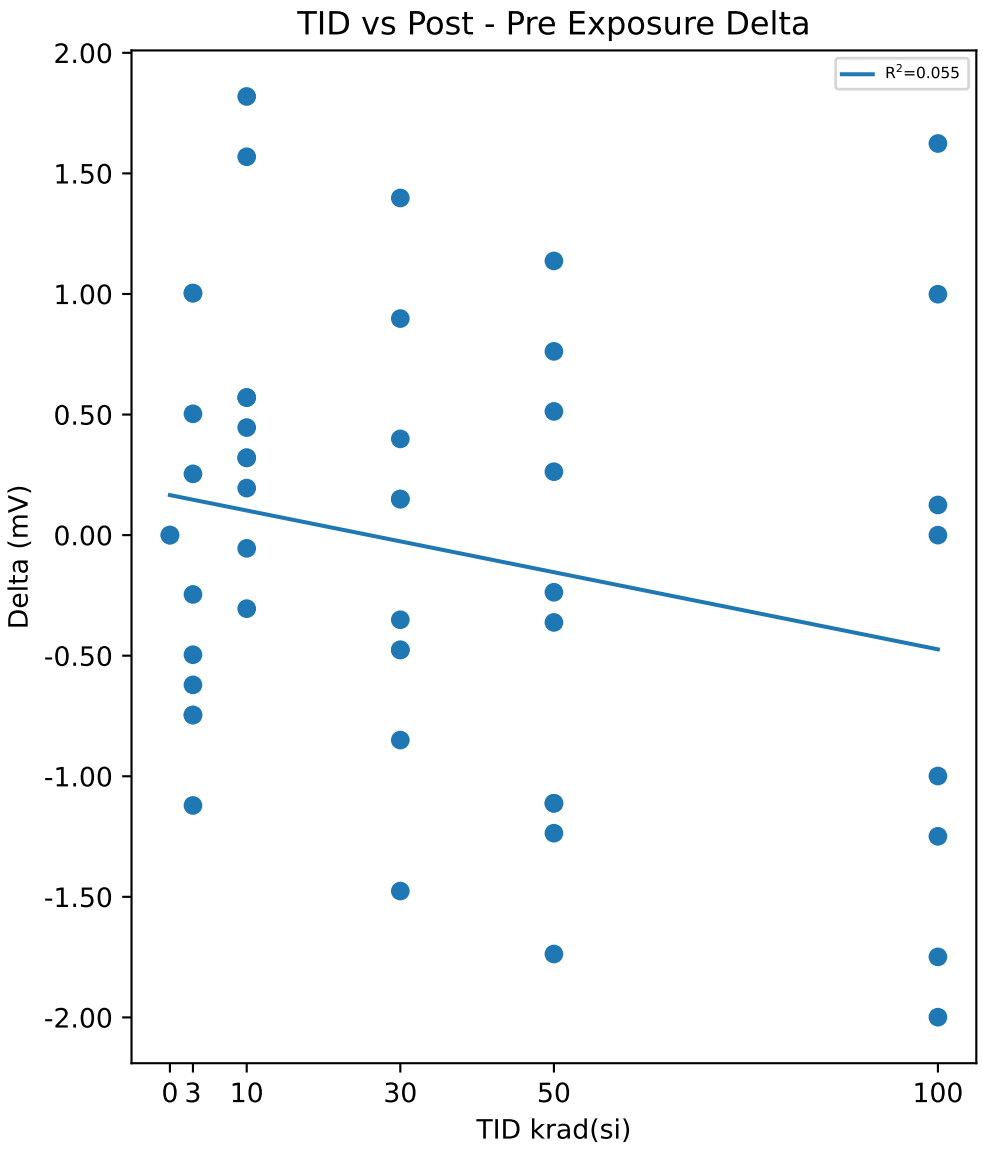
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.09 | 599.09 | 0 |
| 7 | 0 | Correlation | 599.97 | 599.97 | 0 |
| 16 | 3 | LDR-Biased | 599.96 | 601.09 | 1.129 |
| 18 | 3 | LDR-Biased | 599.59 | 599.72 | 0.129 |
| 19 | 3 | LDR-Biased | 602.71 | 600.72 | -1.995 |
| 20 | 3 | LDR-Biased | 601.09 | 600.72 | -0.371 |
| 21 | 3 | LDR-Biased | 600.21 | 600.22 | 0.004 |
| 22 | 3 | LDR-Unbiased | 600.21 | 599.72 | -0.496 |
| 23 | 3 | LDR-Unbiased | 600.21 | 599.84 | -0.371 |
| 25 | 3 | LDR-Unbiased | 599.96 | 600.72 | 0.754 |
| 26 | 3 | LDR-Unbiased | 599.46 | 599.97 | 0.504 |
| 27 | 3 | LDR-Unbiased | 601.34 | 599.84 | -1.496 |
| 46 | 10 | LDR-Biased | 599.96 | 600.78 | 0.819 |
| 48 | 10 | LDR-Biased | 599.59 | 600.28 | 0.695 |
| 49 | 10 | LDR-Biased | 602.71 | 601.16 | -1.555 |
| 50 | 10 | LDR-Biased | 601.09 | 600.28 | -0.805 |
| 51 | 10 | LDR-Biased | 600.21 | 599.78 | -0.43 |
| 52 | 10 | LDR-Unbiased | 600.21 | 600.78 | 0.569 |
| 53 | 10 | LDR-Unbiased | 600.21 | 599.91 | -0.305 |
| 55 | 10 | LDR-Unbiased | 599.96 | 600.41 | 0.445 |
| 56 | 10 | LDR-Unbiased | 599.46 | 600.91 | 1.444 |
| 57 | 10 | LDR-Unbiased | 601.34 | 600.66 | -0.681 |
| 76 | 30 | LDR-Biased | 599.96 | 600.86 | 0.896 |
| 78 | 30 | LDR-Biased | 599.59 | 599.74 | 0.147 |
| 79 | 30 | LDR-Biased | 602.71 | 599.49 | -3.226 |
| 80 | 30 | LDR-Biased | 601.09 | 599.99 | -1.103 |
| 81 | 30 | LDR-Biased | 600.21 | 600.24 | 0.022 |
| 82 | 30 | LDR-Unbiased | 600.21 | 599.74 | -0.478 |
| 83 | 30 | LDR-Unbiased | 600.21 | 600.11 | -0.103 |
| 84 | 30 | LDR-Unbiased | 601.34 | 600.49 | -0.853 |
| 85 | 30 | LDR-Unbiased | 599.96 | 601.11 | 1.146 |
| 86 | 30 | LDR-Unbiased | 599.46 | 599.74 | 0.272 |
| 87 | 100 | LDR-Biased | 600.59 | 599.96 | -0.625 |
| 88 | 100 | LDR-Biased | 600.21 | 599.34 | -0.875 |
| 90 | 100 | LDR-Biased | 599.46 | 599.84 | 0.375 |
| 91 | 100 | LDR-Unbiased | 600.46 | 600.46 | 0 |
| 93 | 100 | LDR-Unbiased | 599.59 | 601.71 | 2.124 |
| 94 | 100 | LDR-Unbiased | 600.71 | 599.84 | -0.875 |
| 95 | 100 | LDR-Unbiased | 600.34 | 599.84 | -0.5 |
| 96 | 100 | LDR-Unbiased | 601.09 | 600.09 | -1 |
| 106 | 50 | LDR-Biased | 599.96 | 600.23 | 0.262 |
| 108 | 50 | LDR-Biased | 599.59 | 599.73 | 0.137 |
| 109 | 50 | LDR-Biased | 602.71 | 600.6 | -2.112 |
| 110 | 50 | LDR-Biased | 601.09 | 599.98 | -1.113 |
| 111 | 50 | LDR-Biased | 600.21 | 599.85 | -0.363 |
| 112 | 50 | LDR-Unbiased | 600.21 | 600.23 | 0.012 |
| 113 | 50 | LDR-Unbiased | 600.21 | 601.22 | 1.011 |
| 115 | 50 | LDR-Unbiased | 599.96 | 600.1 | 0.137 |
| 116 | 50 | LDR-Unbiased | 599.46 | 599.35 | -0.112 |
| 117 | 50 | LDR-Unbiased | 601.34 | 600.35 | -0.988 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.09 | 599.53 | 599.97 | 0.61801 | 599.09 | 599.53 | 599.97 | 0.61801 | 0 | 0 | 0 | 0 |
| 3 | 599.46 | 600.48 | 602.71 | 0.98126 | 599.72 | 600.25 | 601.09 | 0.51048 | -1.995 | -0.2209 | 1.129 | 0.96409 |
| 10 | 599.46 | 600.48 | 602.71 | 0.98126 | 599.78 | 600.5 | 601.16 | 0.4407 | -1.555 | 0.0196 | 1.444 | 0.91679 |
| 30 | 599.46 | 600.48 | 602.71 | 0.98126 | 599.49 | 600.15 | 601.11 | 0.53 | -3.226 | -0.328 | 1.146 | 1.235 |
| 50 | 599.46 | 600.48 | 602.71 | 0.98126 | 599.35 | 600.16 | 601.22 | 0.51075 | -2.112 | -0.3129 | 1.011 | 0.87997 |
| 100 | 599.46 | 600.31 | 601.09 | 0.54996 | 599.34 | 600.13 | 601.71 | 0.70974 | -1 | -0.172 | 2.124 | 1.0411 |

# Device Test: 13.17 VTH_SENSE2_FALLING/SENSE2/7/3/0/0/0/@VTH_SENSE



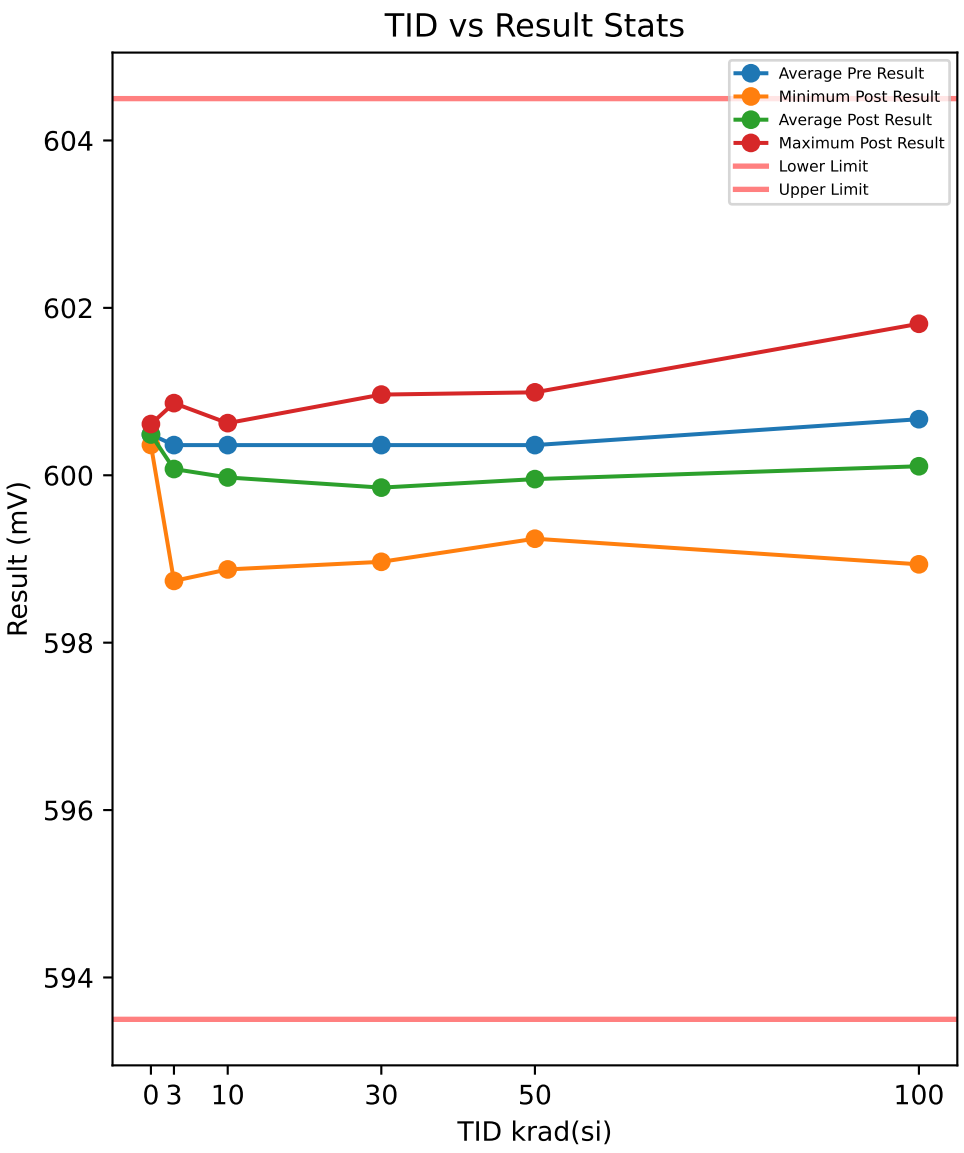

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 597.72 | 597.72 | 0 |
| 7 | 0 | Correlation | 599.59 | 599.59 | 0 |
| 16 | 3 | LDR-Biased | 600.09 | 599.84 | -0.246 |
| 18 | 3 | LDR-Biased | 598.72 | 598.97 | 0.254 |
| 19 | 3 | LDR-Biased | 599.84 | 599.09 | -0.746 |
| 20 | 3 | LDR-Biased | 598.72 | 599.72 | 1.004 |
| 21 | 3 | LDR-Biased | 598.97 | 598.47 | -0.496 |
| 22 | 3 | LDR-Unbiased | 599.59 | 598.47 | -1.121 |
| 23 | 3 | LDR-Unbiased | 597.97 | 598.47 | 0.503 |
| 25 | 3 | LDR-Unbiased | 598.47 | 599.47 | 1.003 |
| 26 | 3 | LDR-Unbiased | 599.59 | 598.97 | -0.621 |
| 27 | 3 | LDR-Unbiased | 600.47 | 599.72 | -0.746 |
| 46 | 10 | LDR-Biased | 600.09 | 600.66 | 0.57 |
| 48 | 10 | LDR-Biased | 598.72 | 599.04 | 0.321 |
| 49 | 10 | LDR-Biased | 599.84 | 600.03 | 0.195 |
| 50 | 10 | LDR-Biased | 598.72 | 599.29 | 0.571 |
| 51 | 10 | LDR-Biased | 598.97 | 599.41 | 0.446 |
| 52 | 10 | LDR-Unbiased | 599.59 | 599.53 | -0.055 |
| 53 | 10 | LDR-Unbiased | 597.97 | 599.78 | 1.819 |
| 55 | 10 | LDR-Unbiased | 598.47 | 600.03 | 1.569 |
| 56 | 10 | LDR-Unbiased | 599.59 | 599.91 | 0.32 |
| 57 | 10 | LDR-Unbiased | 600.47 | 600.16 | -0.305 |
| 76 | 30 | LDR-Biased | 600.09 | 599.61 | -0.476 |
| 78 | 30 | LDR-Biased | 598.72 | 598.87 | 0.15 |
| 79 | 30 | LDR-Biased | 599.84 | 599.36 | -0.476 |
| 80 | 30 | LDR-Biased | 598.72 | 599.11 | 0.399 |
| 81 | 30 | LDR-Biased | 598.97 | 599.11 | 0.149 |
| 82 | 30 | LDR-Unbiased | 599.59 | 598.74 | -0.85 |
| 83 | 30 | LDR-Unbiased | 597.97 | 599.36 | 1.398 |
| 84 | 30 | LDR-Unbiased | 600.47 | 598.99 | -1.476 |
| 85 | 30 | LDR-Unbiased | 598.47 | 599.36 | 0.898 |
| 86 | 30 | LDR-Unbiased | 599.59 | 599.24 | -0.351 |
| 87 | 100 | LDR-Biased | 599.47 | 599.47 | 0 |
| 88 | 100 | LDR-Biased | 599.34 | 598.09 | -1.249 |
| 90 | 100 | LDR-Biased | 598.97 | 599.09 | 0.125 |
| 91 | 100 | LDR-Unbiased | 598.47 | 599.47 | 0.999 |
| 93 | 100 | LDR-Unbiased | 597.97 | 599.59 | 1.624 |
| 94 | 100 | LDR-Unbiased | 599.84 | 597.84 | -1.999 |
| 95 | 100 | LDR-Unbiased | 599.34 | 598.34 | -0.999 |
| 96 | 100 | LDR-Unbiased | 600.09 | 598.34 | -1.749 |
| 106 | 50 | LDR-Biased | 600.09 | 598.98 | -1.112 |
| 108 | 50 | LDR-Biased | 598.72 | 599.23 | 0.513 |
| 109 | 50 | LDR-Biased | 599.84 | 599.48 | -0.362 |
| 110 | 50 | LDR-Biased | 598.72 | 598.98 | 0.263 |
| 111 | 50 | LDR-Biased | 598.97 | 598.73 | -0.237 |
| 112 | 50 | LDR-Unbiased | 599.59 | 598.35 | -1.236 |
| 113 | 50 | LDR-Unbiased | 597.97 | 599.1 | 1.137 |
| 115 | 50 | LDR-Unbiased | 598.47 | 599.23 | 0.762 |
| 116 | 50 | LDR-Unbiased | 599.59 | 598.48 | -1.112 |
| 117 | 50 | LDR-Unbiased | 600.47 | 598.73 | -1.737 |

Test Statistics (mV)

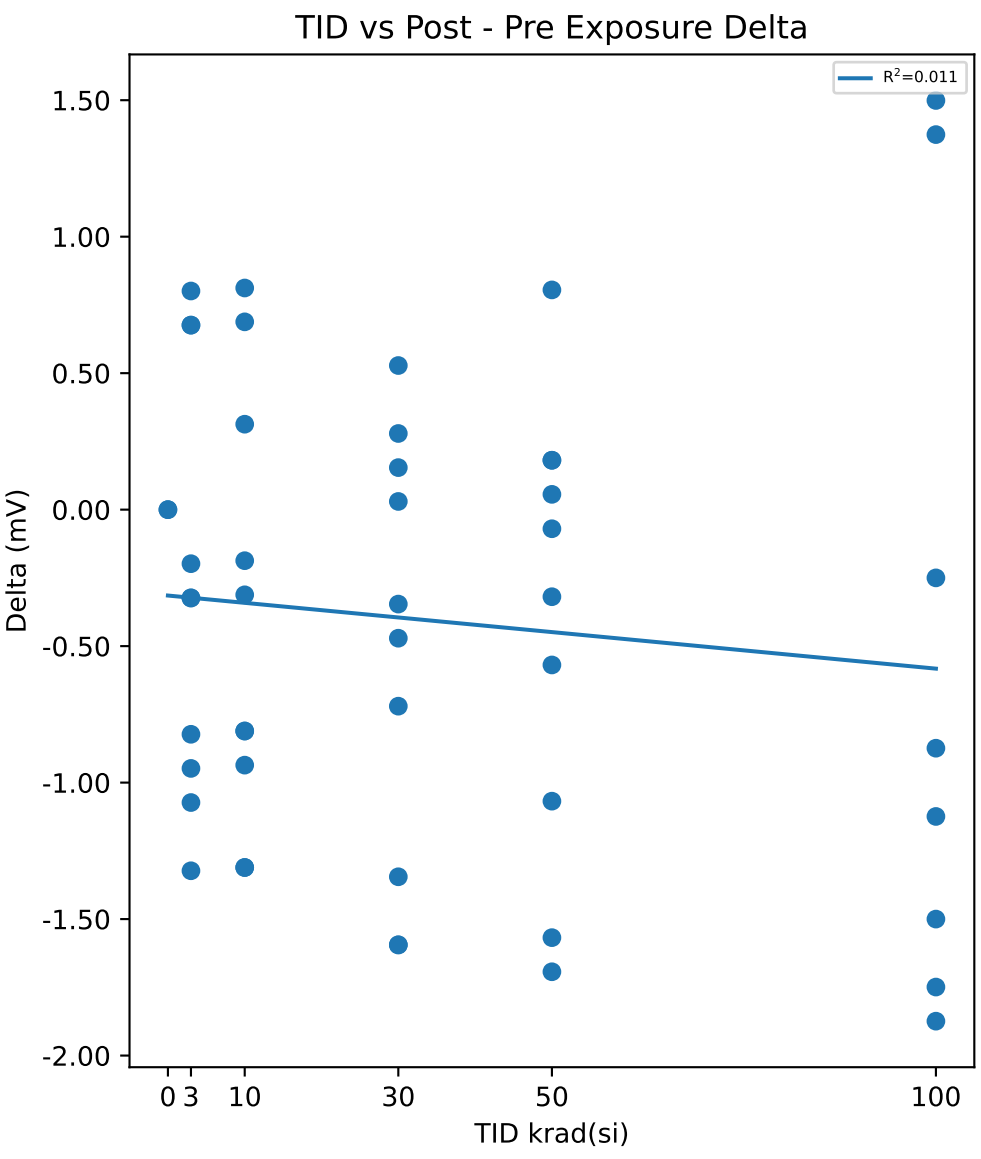
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 597.72 | 598.66 | 599.59 | 1.3251 | 597.72 | 598.66 | 599.59 | 1.3251 | 0 | 0 | 0 | 0 |
| 3 | 597.97 | 599.24 | 600.47 | 0.79423 | 598.47 | 599.12 | 599.84 | 0.54582 | -1.121 | -0.1212 | 1.004 | 0.76351 |
| 10 | 597.97 | 599.24 | 600.47 | 0.79423 | 599.04 | 599.79 | 600.66 | 0.47834 | -0.305 | 0.5451 | 1.819 | 0.66571 |
| 30 | 597.97 | 599.24 | 600.47 | 0.79423 | 598.74 | 599.18 | 599.61 | 0.26485 | -1.476 | -0.0635 | 1.398 | 0.84339 |
| 50 | 597.97 | 599.24 | 600.47 | 0.79423 | 598.35 | 598.93 | 599.48 | 0.35435 | -1.737 | -0.3121 | 1.137 | 0.96821 |
| 100 | 597.97 | 599.18 | 600.09 | 0.69957 | 597.84 | 598.78 | 599.59 | 0.70026 | -1.999 | -0.406 | 1.624 | 1.3063 |

# Device Test: 13.18 VTH_SENSE3_RISING/SENSE3/7/3/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

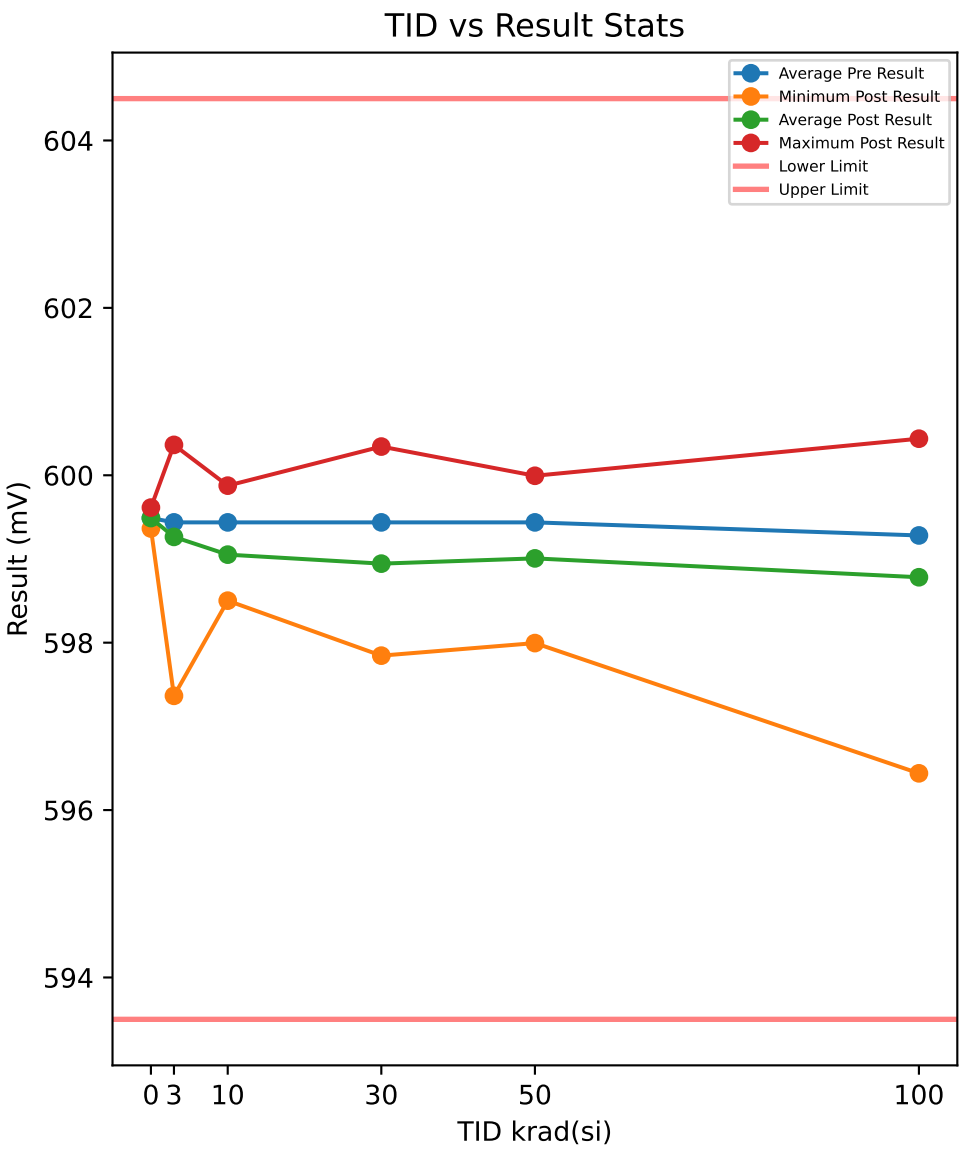
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.36 | 600.36 | 0 |
| 7 | 0 | Correlation | 600.61 | 600.61 | 0 |
| 16 | 3 | LDR-Biased | 601.06 | 599.74 | -1.323 |
| 18 | 3 | LDR-Biased | 600.44 | 600.11 | -0.324 |
| 19 | 3 | LDR-Biased | 601.18 | 600.86 | -0.323 |
| 20 | 3 | LDR-Biased | 599.69 | 598.74 | -0.948 |
| 21 | 3 | LDR-Biased | 600.81 | 599.99 | -0.823 |
| 22 | 3 | LDR-Unbiased | 599.19 | 599.99 | 0.801 |
| 23 | 3 | LDR-Unbiased | 599.44 | 600.11 | 0.676 |
| 25 | 3 | LDR-Unbiased | 600.81 | 600.61 | -0.198 |
| 26 | 3 | LDR-Unbiased | 599.81 | 600.49 | 0.676 |
| 27 | 3 | LDR-Unbiased | 601.18 | 600.11 | -1.073 |
| 46 | 10 | LDR-Biased | 601.06 | 600.12 | -0.936 |
| 48 | 10 | LDR-Biased | 600.44 | 600.25 | -0.187 |
| 49 | 10 | LDR-Biased | 601.18 | 599.87 | -1.311 |
| 50 | 10 | LDR-Biased | 599.69 | 598.88 | -0.811 |
| 51 | 10 | LDR-Biased | 600.81 | 600 | -0.811 |
| 52 | 10 | LDR-Unbiased | 599.19 | 599.87 | 0.688 |
| 53 | 10 | LDR-Unbiased | 599.44 | 599.75 | 0.313 |
| 55 | 10 | LDR-Unbiased | 600.81 | 600.5 | -0.312 |
| 56 | 10 | LDR-Unbiased | 599.81 | 600.62 | 0.812 |
| 57 | 10 | LDR-Unbiased | 601.18 | 599.87 | -1.311 |
| 76 | 30 | LDR-Biased | 601.06 | 599.47 | -1.595 |
| 78 | 30 | LDR-Biased | 600.44 | 600.09 | -0.346 |
| 79 | 30 | LDR-Biased | 601.18 | 600.71 | -0.471 |
| 80 | 30 | LDR-Biased | 599.69 | 598.97 | -0.72 |
| 81 | 30 | LDR-Biased | 600.81 | 599.22 | -1.594 |
| 82 | 30 | LDR-Unbiased | 599.19 | 599.22 | 0.03 |
| 83 | 30 | LDR-Unbiased | 599.44 | 599.72 | 0.279 |
| 84 | 30 | LDR-Unbiased | 601.18 | 599.84 | -1.345 |
| 85 | 30 | LDR-Unbiased | 600.81 | 600.96 | 0.154 |
| 86 | 30 | LDR-Unbiased | 599.81 | 600.34 | 0.528 |
| 87 | 100 | LDR-Biased | 600.31 | 600.06 | -0.25 |
| 88 | 100 | LDR-Biased | 601.06 | 600.19 | -0.874 |
| 90 | 100 | LDR-Biased | 600.44 | 598.94 | -1.5 |
| 91 | 100 | LDR-Unbiased | 599.94 | 601.43 | 1.499 |
| 93 | 100 | LDR-Unbiased | 600.44 | 601.81 | 1.374 |
| 94 | 100 | LDR-Unbiased | 601.06 | 599.31 | -1.749 |
| 95 | 100 | LDR-Unbiased | 600.93 | 599.06 | -1.874 |
| 96 | 100 | LDR-Unbiased | 601.18 | 600.06 | -1.124 |
| 106 | 50 | LDR-Biased | 601.06 | 600.49 | -0.569 |
| 108 | 50 | LDR-Biased | 600.44 | 600.37 | -0.07 |
| 109 | 50 | LDR-Biased | 601.18 | 600.12 | -1.068 |
| 110 | 50 | LDR-Biased | 599.69 | 599.37 | -0.319 |
| 111 | 50 | LDR-Biased | 600.81 | 599.24 | -1.568 |
| 112 | 50 | LDR-Unbiased | 599.19 | 599.37 | 0.181 |
| 113 | 50 | LDR-Unbiased | 599.44 | 599.49 | 0.056 |
| 115 | 50 | LDR-Unbiased | 600.81 | 600.99 | 0.181 |
| 116 | 50 | LDR-Unbiased | 599.81 | 600.62 | 0.805 |
| 117 | 50 | LDR-Unbiased | 601.18 | 599.49 | -1.693 |

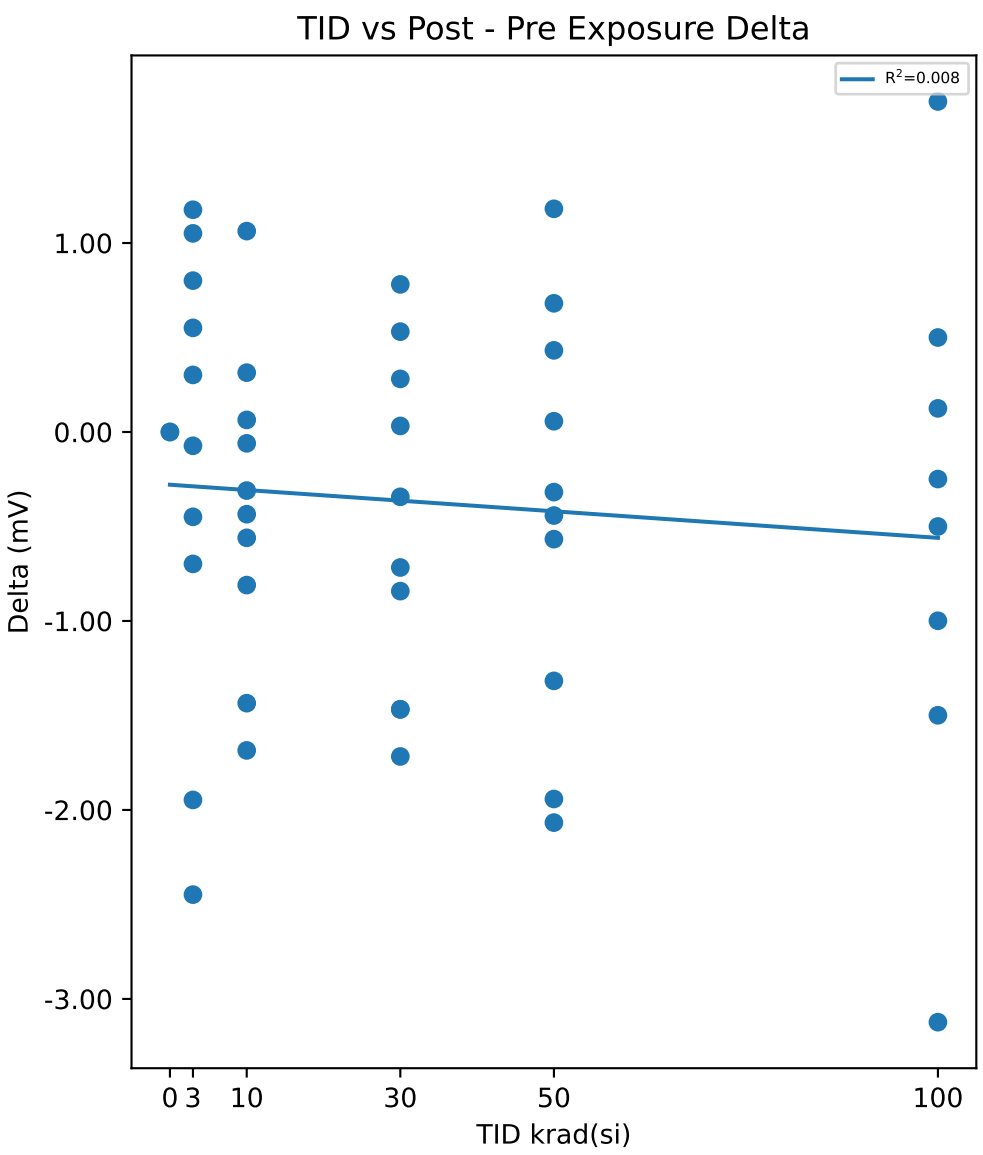



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.36 | 600.49 | 600.61 | 0.17678 | 600.36 | 600.49 | 600.61 | 0.17678 | 0 | 0 | 0 | 0 |
| 3 | 599.19 | 600.36 | 601.18 | 0.76374 | 598.74 | 600.07 | 600.86 | 0.57724 | -1.323 | -0.2859 | 0.801 | 0.7792 |
| 10 | 599.19 | 600.36 | 601.18 | 0.76374 | 598.88 | 599.97 | 600.62 | 0.48108 | -1.311 | -0.3866 | 0.812 | 0.78155 |
| 30 | 599.19 | 600.36 | 601.18 | 0.76374 | 598.97 | 599.85 | 600.96 | 0.66967 | -1.595 | -0.508 | 0.528 | 0.7856 |
| 50 | 599.19 | 600.36 | 601.18 | 0.76374 | 599.24 | 599.95 | 600.99 | 0.63432 | -1.693 | -0.4064 | 0.805 | 0.81384 |
| 100 | 599.94 | 600.67 | 601.18 | 0.44989 | 598.94 | 600.11 | 601.81 | 1.0538 | -1.874 | -0.56225 | 1.499 | 1.3372 |

# Device Test: 13.19 VTH_SENSE3_FALLING/SENSE3/7/3/0/0/0/@VTH_SENSE



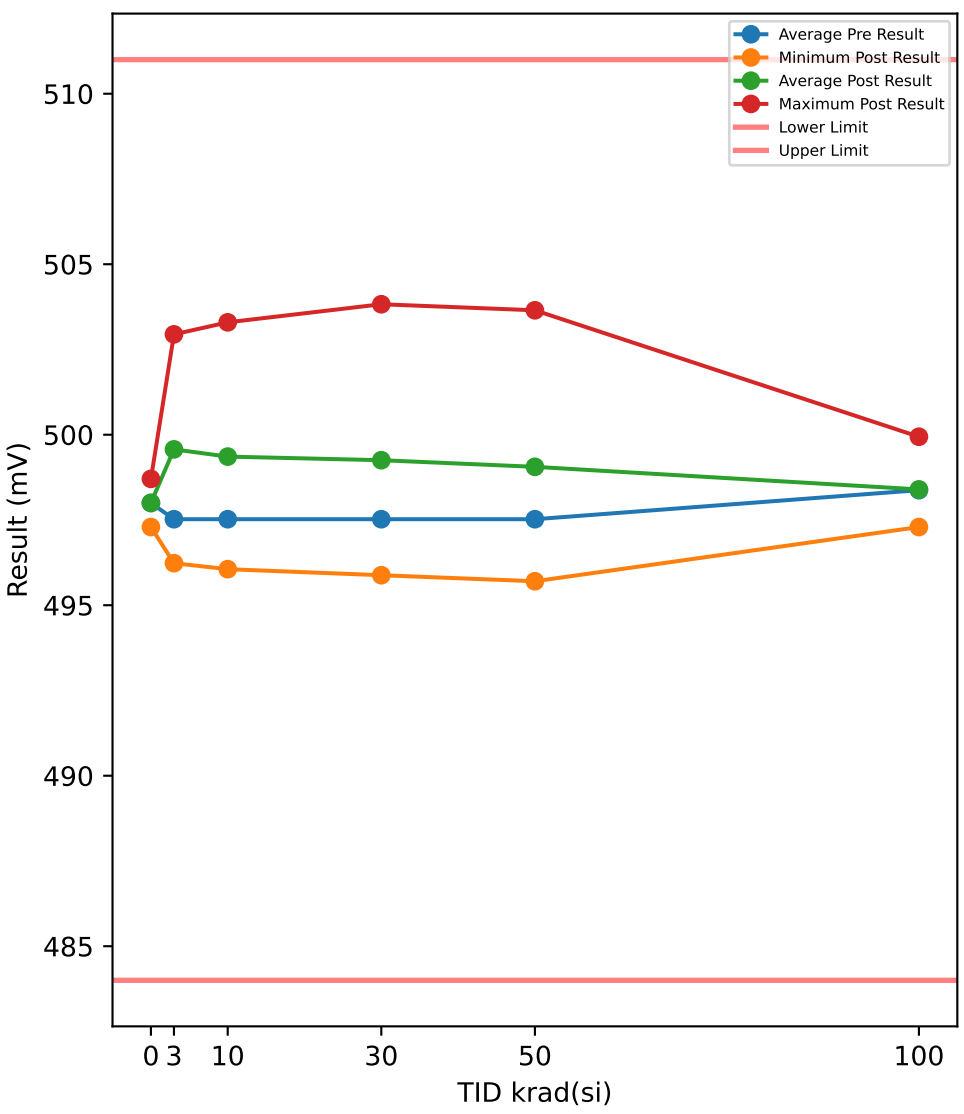

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

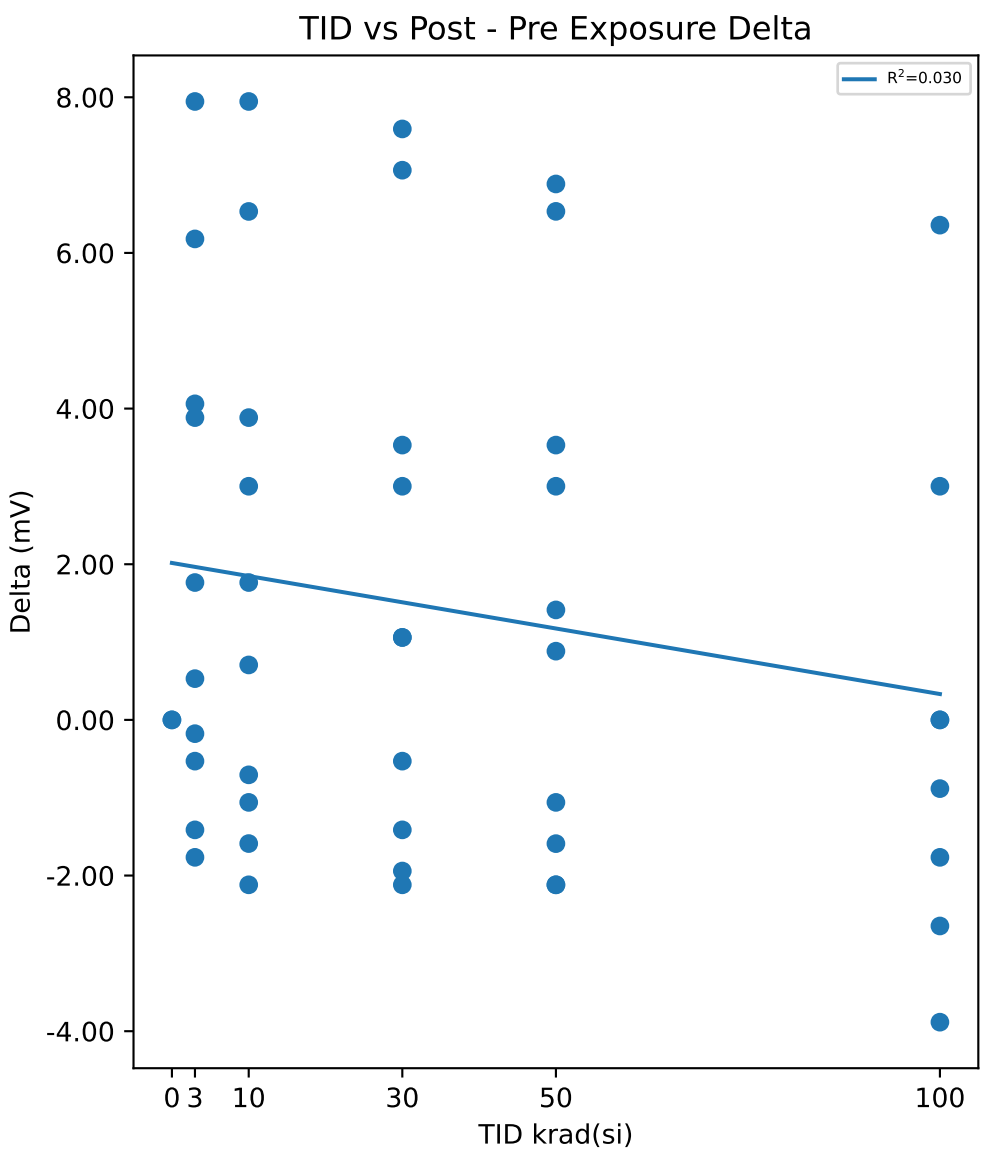
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.36 | 599.36 | 0 |
| 7 | 0 | Correlation | 599.61 | 599.61 | 0 |
| 16 | 3 | LDR-Biased | 599.31 | 600.36 | 1.051 |
| 18 | 3 | LDR-Biased | 599.44 | 599.99 | 0.551 |
| 19 | 3 | LDR-Biased | 600.56 | 600.11 | -0.449 |
| 20 | 3 | LDR-Biased | 599.31 | 597.37 | -1.947 |
| 21 | 3 | LDR-Biased | 599.31 | 599.61 | 0.302 |
| 22 | 3 | LDR-Unbiased | 599.44 | 598.74 | -0.698 |
| 23 | 3 | LDR-Unbiased | 598.56 | 599.36 | 0.801 |
| 25 | 3 | LDR-Unbiased | 599.56 | 599.49 | -0.073 |
| 26 | 3 | LDR-Unbiased | 598.56 | 599.74 | 1.176 |
| 27 | 3 | LDR-Unbiased | 600.31 | 597.86 | -2.448 |
| 46 | 10 | LDR-Biased | 599.31 | 599 | -0.31 |
| 48 | 10 | LDR-Biased | 599.44 | 598.88 | -0.56 |
| 49 | 10 | LDR-Biased | 600.56 | 599.13 | -1.435 |
| 50 | 10 | LDR-Biased | 599.31 | 598.5 | -0.81 |
| 51 | 10 | LDR-Biased | 599.31 | 599.25 | -0.06 |
| 52 | 10 | LDR-Unbiased | 599.44 | 599 | -0.435 |
| 53 | 10 | LDR-Unbiased | 598.56 | 598.63 | 0.064 |
| 55 | 10 | LDR-Unbiased | 599.56 | 599.88 | 0.314 |
| 56 | 10 | LDR-Unbiased | 598.56 | 599.63 | 1.063 |
| 57 | 10 | LDR-Unbiased | 600.31 | 598.63 | -1.685 |
| 76 | 30 | LDR-Biased | 599.31 | 598.47 | -0.842 |
| 78 | 30 | LDR-Biased | 599.44 | 599.09 | -0.343 |
| 79 | 30 | LDR-Biased | 600.56 | 599.09 | -1.468 |
| 80 | 30 | LDR-Biased | 599.31 | 597.85 | -1.467 |
| 81 | 30 | LDR-Biased | 599.31 | 598.6 | -0.717 |
| 82 | 30 | LDR-Unbiased | 599.44 | 599.47 | 0.032 |
| 83 | 30 | LDR-Unbiased | 598.56 | 598.84 | 0.281 |
| 84 | 30 | LDR-Unbiased | 600.31 | 598.6 | -1.717 |
| 85 | 30 | LDR-Unbiased | 599.56 | 600.34 | 0.781 |
| 86 | 30 | LDR-Unbiased | 598.56 | 599.09 | 0.531 |
| 87 | 100 | LDR-Biased | 599.94 | 600.44 | 0.5 |
| 88 | 100 | LDR-Biased | 600.19 | 599.19 | -0.999 |
| 90 | 100 | LDR-Biased | 598.06 | 598.19 | 0.125 |
| 91 | 100 | LDR-Unbiased | 599.31 | 599.06 | -0.249 |
| 93 | 100 | LDR-Unbiased | 598.44 | 600.19 | 1.749 |
| 94 | 100 | LDR-Unbiased | 599.56 | 596.44 | -3.123 |
| 95 | 100 | LDR-Unbiased | 598.56 | 598.06 | -0.5 |
| 96 | 100 | LDR-Unbiased | 600.19 | 598.69 | -1.499 |
| 106 | 50 | LDR-Biased | 599.31 | 598.75 | -0.567 |
| 108 | 50 | LDR-Biased | 599.44 | 599.12 | -0.318 |
| 109 | 50 | LDR-Biased | 600.56 | 598.5 | -2.067 |
| 110 | 50 | LDR-Biased | 599.31 | 598 | -1.317 |
| 111 | 50 | LDR-Biased | 599.31 | 598.87 | -0.442 |
| 112 | 50 | LDR-Unbiased | 599.44 | 599.49 | 0.057 |
| 113 | 50 | LDR-Unbiased | 598.56 | 599.24 | 0.681 |
| 115 | 50 | LDR-Unbiased | 599.56 | 599.99 | 0.432 |
| 116 | 50 | LDR-Unbiased | 598.56 | 599.74 | 1.181 |
| 117 | 50 | LDR-Unbiased | 600.31 | 598.37 | -1.942 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.36 | 599.49 | 599.61 | 0.17678 | 599.36 | 599.49 | 599.61 | 0.17678 | 0 | 0 | 0 | 0 |
| 3 | 598.56 | 599.44 | 600.56 | 0.63434 | 597.37 | 599.26 | 600.36 | 0.98338 | -2.448 | -0.1734 | 1.176 | 1.2338 |
| 10 | 598.56 | 599.44 | 600.56 | 0.63434 | 598.5 | 599.05 | 599.88 | 0.44139 | -1.685 | -0.3854 | 1.063 | 0.80997 |
| 30 | 598.56 | 599.44 | 600.56 | 0.63434 | 597.85 | 598.94 | 600.34 | 0.66553 | -1.717 | -0.4929 | 0.781 | 0.89059 |
| 50 | 598.56 | 599.44 | 600.56 | 0.63434 | 598 | 599.01 | 599.99 | 0.63269 | -2.067 | -0.4302 | 1.181 | 1.0849 |
| 100 | 598.06 | 599.28 | 600.19 | 0.83338 | 596.44 | 598.78 | 600.44 | 1.272 | -3.123 | -0.4995 | 1.749 | 1.4461 |

# Device Test: 13.2 VTH_DOWNb_FALLING/DOWNb/1.6/3/0/0/0/@VTH_DOWN



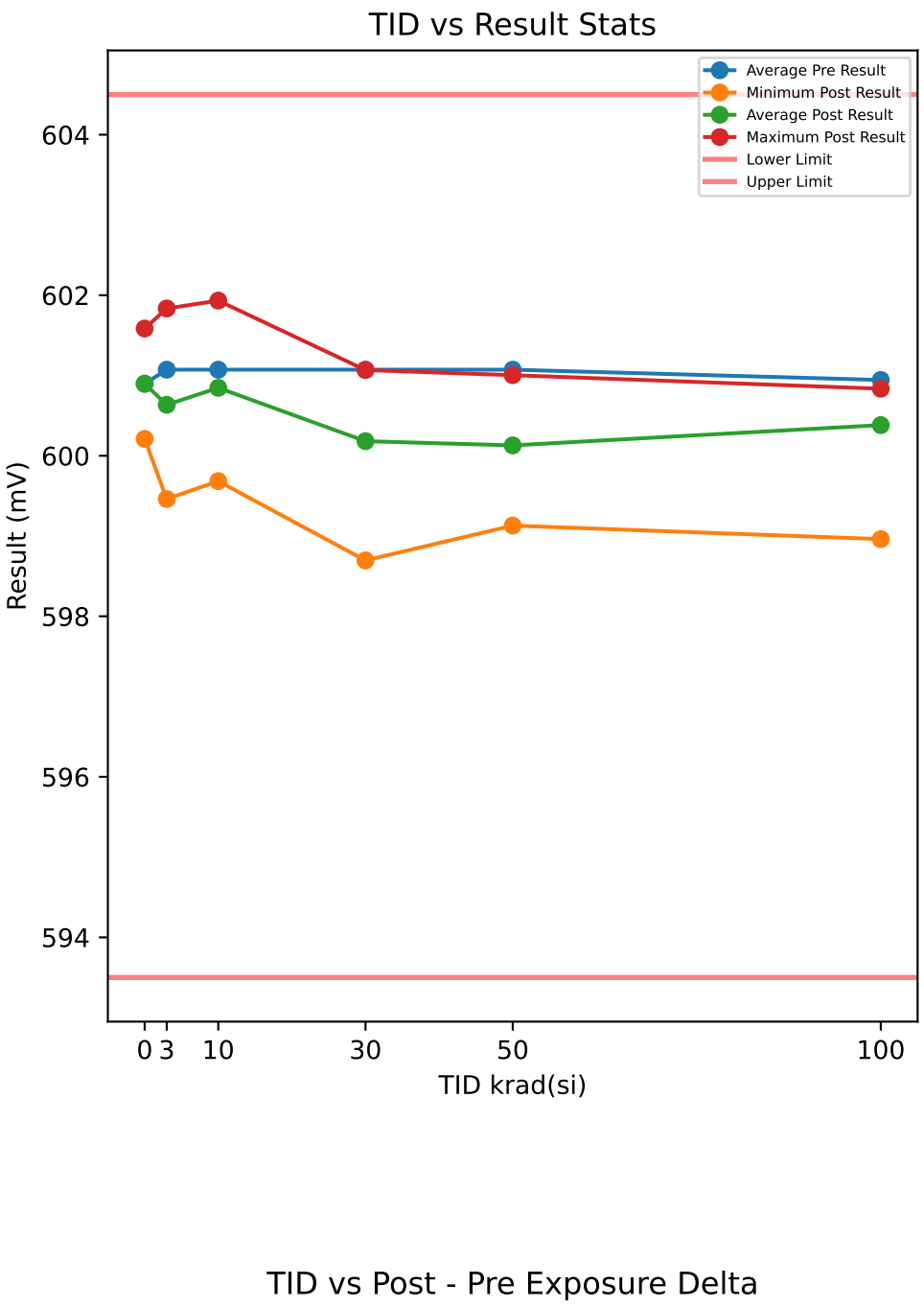

Test Results (Lower Limit = 484.0, Upper Limit = 511.0 (mV))

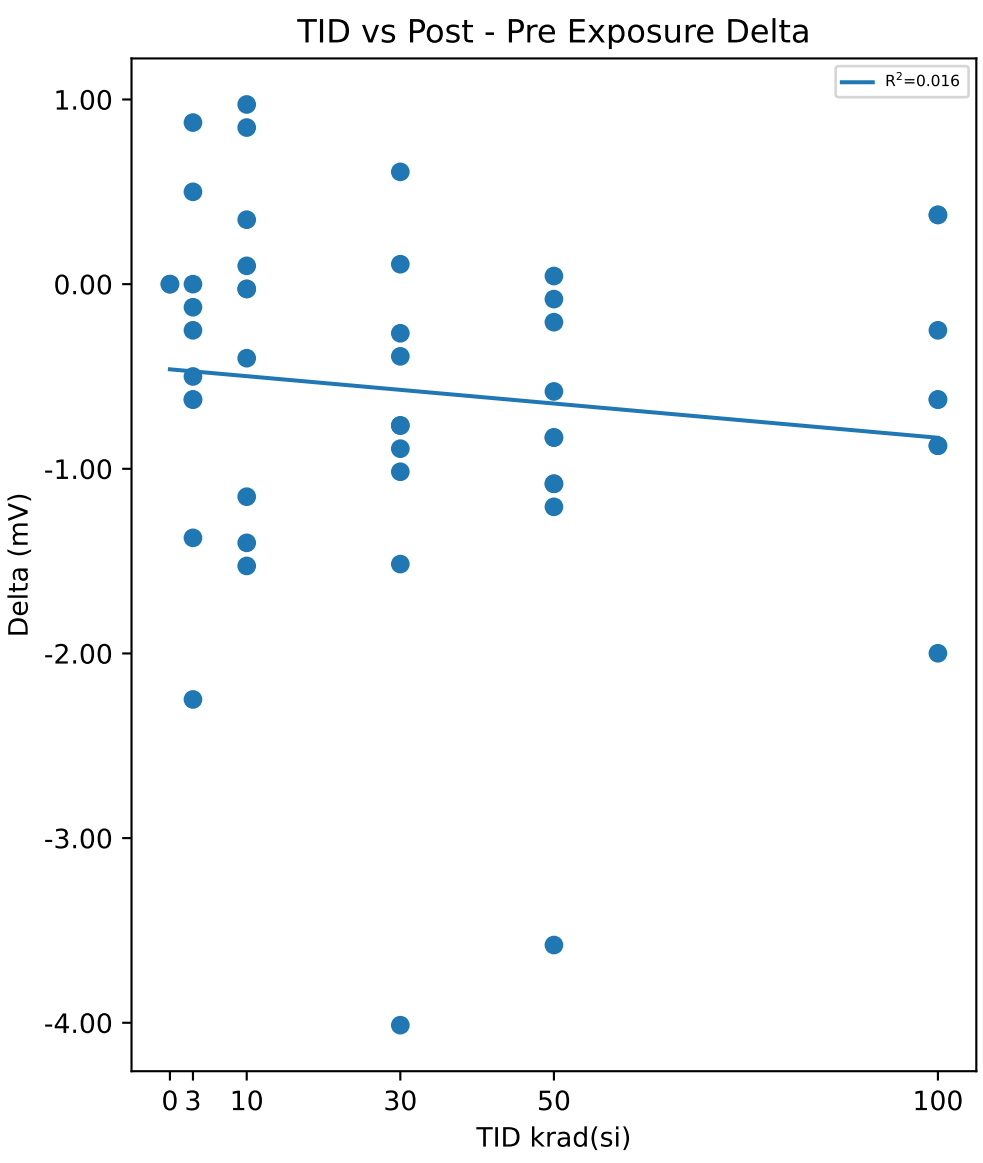
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 497.29 | 497.29 | 0 |
| 7 | 0 | Correlation | 498.7 | 498.7 | 0 |
| 16 | 3 | LDR-Biased | 500.12 | 501.88 | 1.765 |
| 18 | 3 | LDR-Biased | 501.18 | 499.41 | -1.766 |
| 19 | 3 | LDR-Biased | 501.71 | 500.29 | -1.413 |
| 20 | 3 | LDR-Biased | 496.76 | 500.65 | 3.884 |
| 21 | 3 | LDR-Biased | 496.76 | 496.23 | -0.53 |
| 22 | 3 | LDR-Unbiased | 493.23 | 501.18 | 7.946 |
| 23 | 3 | LDR-Unbiased | 496.23 | 496.76 | 0.53 |
| 25 | 3 | LDR-Unbiased | 495.17 | 499.24 | 4.061 |
| 26 | 3 | LDR-Unbiased | 496.76 | 502.94 | 6.18 |
| 27 | 3 | LDR-Unbiased | 497.29 | 497.12 | -0.177 |
| 46 | 10 | LDR-Biased | 500.12 | 501.88 | 1.765 |
| 48 | 10 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 49 | 10 | LDR-Biased | 501.71 | 500.12 | -1.589 |
| 50 | 10 | LDR-Biased | 496.76 | 499.76 | 3.002 |
| 51 | 10 | LDR-Biased | 496.76 | 496.06 | -0.706 |
| 52 | 10 | LDR-Unbiased | 493.23 | 501.18 | 7.946 |
| 53 | 10 | LDR-Unbiased | 496.23 | 496.94 | 0.706 |
| 55 | 10 | LDR-Unbiased | 495.17 | 499.06 | 3.884 |
| 56 | 10 | LDR-Unbiased | 496.76 | 503.3 | 6.533 |
| 57 | 10 | LDR-Unbiased | 497.29 | 496.23 | -1.06 |
| 76 | 30 | LDR-Biased | 500.12 | 501.18 | 1.059 |
| 78 | 30 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 79 | 30 | LDR-Biased | 501.71 | 499.76 | -1.942 |
| 80 | 30 | LDR-Biased | 496.76 | 499.76 | 3.002 |
| 81 | 30 | LDR-Biased | 496.76 | 496.23 | -0.53 |
| 82 | 30 | LDR-Unbiased | 493.23 | 500.82 | 7.593 |
| 83 | 30 | LDR-Unbiased | 496.23 | 497.29 | 1.06 |
| 84 | 30 | LDR-Unbiased | 497.29 | 495.88 | -1.413 |
| 85 | 30 | LDR-Unbiased | 495.17 | 498.7 | 3.531 |
| 86 | 30 | LDR-Unbiased | 496.76 | 503.83 | 7.063 |
| 87 | 100 | LDR-Biased | 499.94 | 499.94 | 0 |
| 88 | 100 | LDR-Biased | 499.94 | 497.29 | -2.648 |
| 90 | 100 | LDR-Biased | 501.18 | 497.29 | -3.884 |
| 91 | 100 | LDR-Unbiased | 493.23 | 499.59 | 6.357 |
| 93 | 100 | LDR-Unbiased | 496.76 | 499.76 | 3.002 |
| 94 | 100 | LDR-Unbiased | 500.12 | 498.35 | -1.766 |
| 95 | 100 | LDR-Unbiased | 498.53 | 497.65 | -0.883 |
| 96 | 100 | LDR-Unbiased | 497.29 | 497.29 | 0 |
| 106 | 50 | LDR-Biased | 500.12 | 501 | 0.883 |
| 108 | 50 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 109 | 50 | LDR-Biased | 501.71 | 499.59 | -2.119 |
| 110 | 50 | LDR-Biased | 496.76 | 499.76 | 3.002 |
| 111 | 50 | LDR-Biased | 496.76 | 495.7 | -1.06 |
| 112 | 50 | LDR-Unbiased | 493.23 | 499.76 | 6.534 |
| 113 | 50 | LDR-Unbiased | 496.23 | 497.65 | 1.413 |
| 115 | 50 | LDR-Unbiased | 495.17 | 498.7 | 3.531 |
| 116 | 50 | LDR-Unbiased | 496.76 | 503.65 | 6.886 |
| 117 | 50 | LDR-Unbiased | 497.29 | 495.7 | -1.59 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 497.29 | 498 | 498.7 | 0.99843 | 497.29 | 498 | 498.7 | 0.99843 | 0 | 0 | 0 | 0 |
| 3 | 493.23 | 497.52 | 501.71 | 2.687 | 496.23 | 499.57 | 502.94 | 2.2649 | -1.766 | 2.048 | 7.946 | 3.3298 |
| 10 | 493.23 | 497.52 | 501.71 | 2.687 | 496.06 | 499.36 | 503.3 | 2.4182 | -2.119 | 1.8362 | 7.946 | 3.4713 |
| 30 | 493.23 | 497.52 | 501.71 | 2.687 | 495.88 | 499.25 | 503.83 | 2.4103 | -2.119 | 1.7304 | 7.593 | 3.5255 |
| 50 | 493.23 | 497.52 | 501.71 | 2.687 | 495.7 | 499.06 | 503.65 | 2.375 | -2.119 | 1.5361 | 6.886 | 3.3896 |
| 100 | 493.23 | 498.37 | 501.18 | 2.5648 | 497.29 | 498.4 | 499.94 | 1.189 | -3.884 | 0.02225 | 6.357 | 3.2823 |

# Device Test: 13.20 VTH_SENSE4_RISING/SENSE4/7/3/0/0/0/@VTH_SENSE



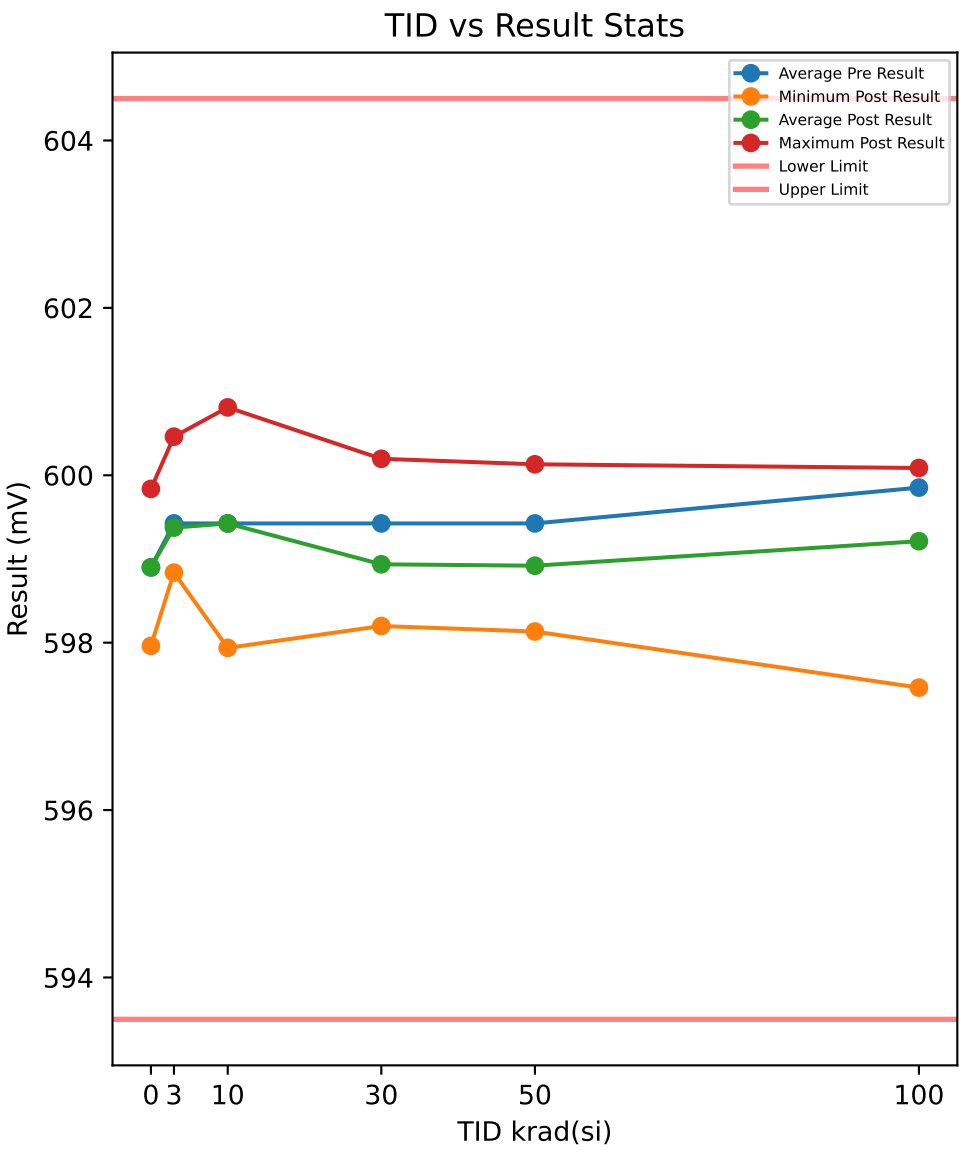

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

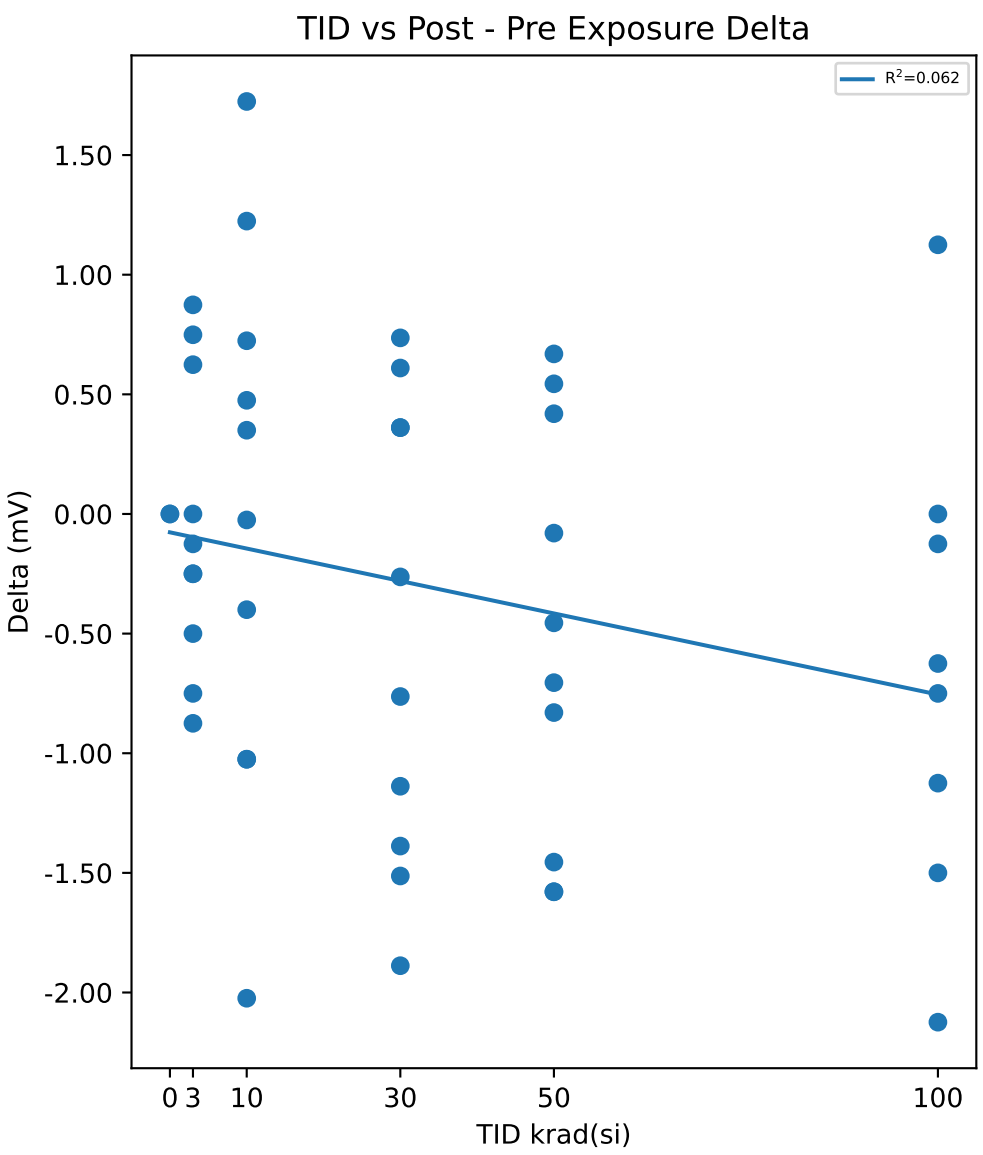
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 601.59 | 601.59 | 0 |
| 7 | 0 | Correlation | 600.21 | 600.21 | 0 |
| 16 | 3 | LDR-Biased | 600.96 | 601.46 | 0.5 |
| 18 | 3 | LDR-Biased | 600.34 | 600.09 | -0.25 |
| 19 | 3 | LDR-Biased | 601.71 | 601.59 | -0.125 |
| 20 | 3 | LDR-Biased | 600.71 | 600.09 | -0.625 |
| 21 | 3 | LDR-Biased | 600.84 | 599.46 | -1.374 |
| 22 | 3 | LDR-Unbiased | 601.09 | 601.09 | 0 |
| 23 | 3 | LDR-Unbiased | 600.34 | 599.71 | -0.625 |
| 25 | 3 | LDR-Unbiased | 600.96 | 601.84 | 0.875 |
| 26 | 3 | LDR-Unbiased | 601.09 | 600.59 | -0.5 |
| 27 | 3 | LDR-Unbiased | 602.71 | 600.46 | -2.249 |
| 46 | 10 | LDR-Biased | 600.96 | 601.81 | 0.848 |
| 48 | 10 | LDR-Biased | 600.34 | 600.43 | 0.099 |
| 49 | 10 | LDR-Biased | 601.71 | 600.31 | -1.401 |
| 50 | 10 | LDR-Biased | 600.71 | 601.06 | 0.349 |
| 51 | 10 | LDR-Biased | 600.84 | 599.68 | -1.151 |
| 52 | 10 | LDR-Unbiased | 601.09 | 601.06 | -0.026 |
| 53 | 10 | LDR-Unbiased | 600.34 | 599.93 | -0.401 |
| 55 | 10 | LDR-Unbiased | 600.96 | 601.93 | 0.973 |
| 56 | 10 | LDR-Unbiased | 601.09 | 601.06 | -0.026 |
| 57 | 10 | LDR-Unbiased | 602.71 | 601.18 | -1.526 |
| 76 | 30 | LDR-Biased | 600.96 | 600.69 | -0.266 |
| 78 | 30 | LDR-Biased | 600.34 | 600.94 | 0.608 |
| 79 | 30 | LDR-Biased | 601.71 | 600.19 | -1.516 |
| 80 | 30 | LDR-Biased | 600.71 | 599.94 | -0.766 |
| 81 | 30 | LDR-Biased | 600.84 | 600.44 | -0.391 |
| 82 | 30 | LDR-Unbiased | 601.09 | 600.19 | -0.891 |
| 83 | 30 | LDR-Unbiased | 600.34 | 599.57 | -0.765 |
| 84 | 30 | LDR-Unbiased | 602.71 | 598.7 | -4.013 |
| 85 | 30 | LDR-Unbiased | 600.96 | 601.07 | 0.108 |
| 86 | 30 | LDR-Unbiased | 601.09 | 600.07 | -1.016 |
| 87 | 100 | LDR-Biased | 600.71 | 600.46 | -0.25 |
| 88 | 100 | LDR-Biased | 600.96 | 600.34 | -0.625 |
| 90 | 100 | LDR-Biased | 601.71 | 600.84 | -0.875 |
| 91 | 100 | LDR-Unbiased | 601.46 | 600.84 | -0.625 |
| 93 | 100 | LDR-Unbiased | 600.09 | 600.46 | 0.375 |
| 94 | 100 | LDR-Unbiased | 600.96 | 598.96 | -1.999 |
| 95 | 100 | LDR-Unbiased | 600.21 | 600.59 | 0.375 |
| 96 | 100 | LDR-Unbiased | 601.46 | 600.59 | -0.875 |
| 106 | 50 | LDR-Biased | 600.96 | 601 | 0.044 |
| 108 | 50 | LDR-Biased | 600.34 | 600.25 | -0.081 |
| 109 | 50 | LDR-Biased | 601.71 | 600.63 | -1.081 |
| 110 | 50 | LDR-Biased | 600.71 | 600.13 | -0.581 |
| 111 | 50 | LDR-Biased | 600.84 | 600 | -0.831 |
| 112 | 50 | LDR-Unbiased | 601.09 | 599.88 | -1.206 |
| 113 | 50 | LDR-Unbiased | 600.34 | 599.5 | -0.83 |
| 115 | 50 | LDR-Unbiased | 600.96 | 600.75 | -0.206 |
| 116 | 50 | LDR-Unbiased | 601.09 | 600 | -1.081 |
| 117 | 50 | LDR-Unbiased | 602.71 | 599.13 | -3.579 |

## Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.21 | 600.9 | 601.59 | 0.97227 | 600.21 | 600.9 | 601.59 | 0.97227 | 0 | 0 | 0 | 0 |
| 3 | 600.34 | 601.07 | 602.71 | 0.69808 | 599.46 | 600.64 | 601.84 | 0.82311 | -2.249 | -0.4373 | 0.875 | 0.89185 |
| 10 | 600.34 | 601.07 | 602.71 | 0.69808 | 599.68 | 600.85 | 601.93 | 0.74512 | -1.526 | -0.2262 | 0.973 | 0.88595 |
| 30 | 600.34 | 601.07 | 602.71 | 0.69808 | 598.7 | 600.18 | 601.07 | 0.69501 | -4.013 | -0.8908 | 0.608 | 1.2503 |
| 50 | 600.34 | 601.07 | 602.71 | 0.69808 | 599.13 | 600.13 | 601 | 0.56794 | -3.579 | -0.9432 | 0.044 | 1.0259 |
| 100 | 600.09 | 600.94 | 601.71 | 0.59175 | 598.96 | 600.38 | 600.84 | 0.60077 | -1.999 | -0.56238 | 0.375 | 0.76738 |

# Device Test: 13.21 VTH_SENSE4_FALLING/SENSE4/7/3/0/0/0/@VTH_SENSE



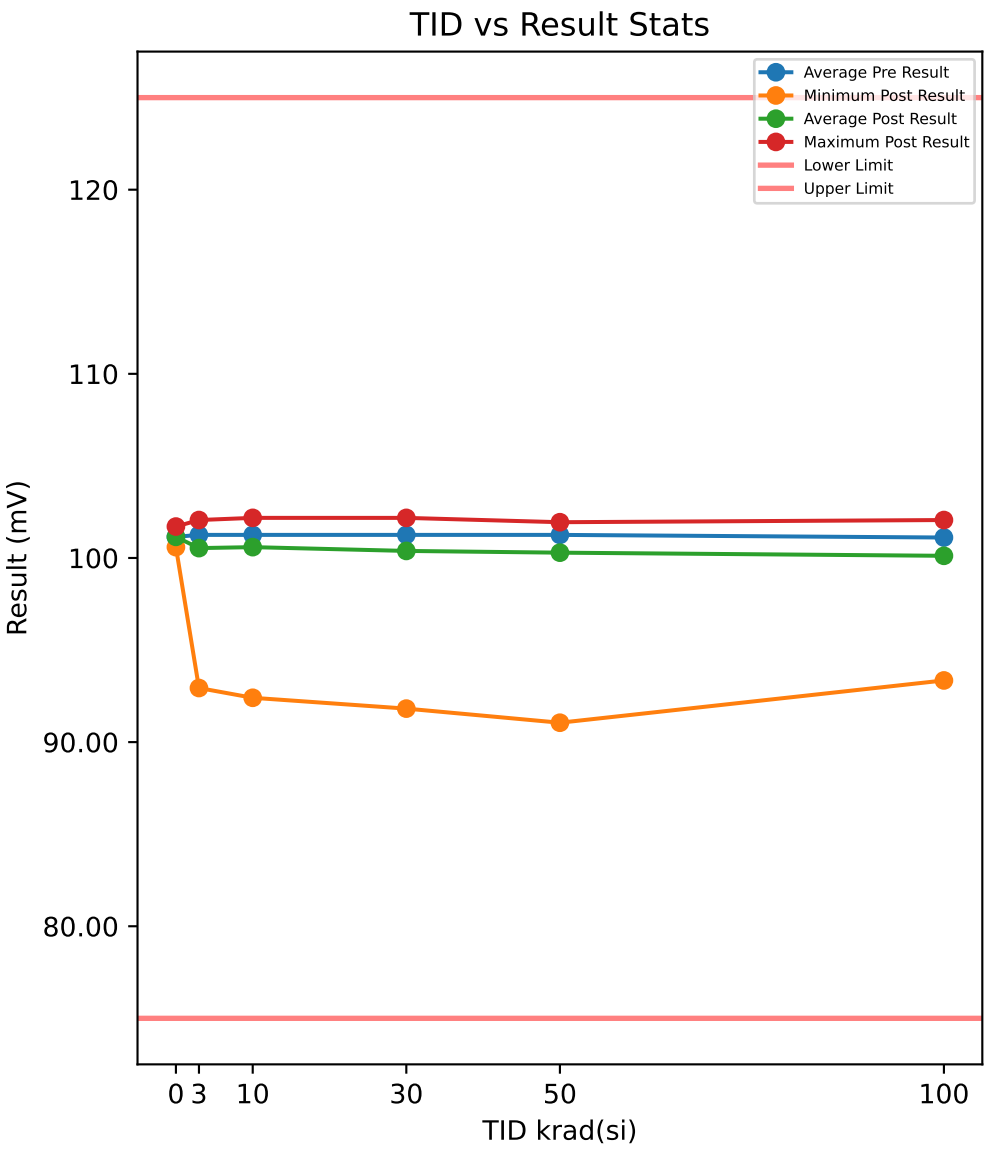

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

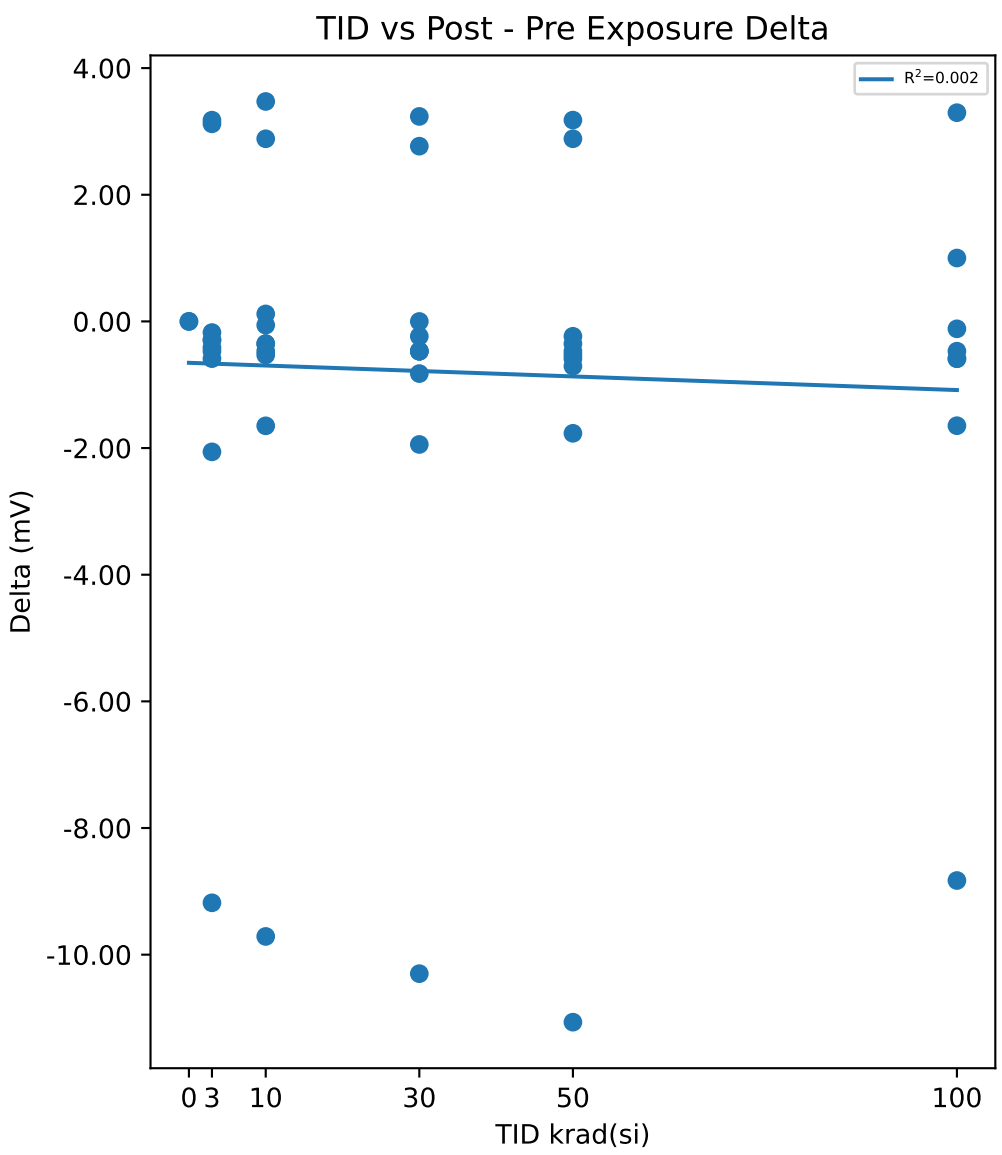
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.84 | 599.84 | 0 |
| 7 | 0 | Correlation | 597.96 | 597.96 | 0 |
| 16 | 3 | LDR-Biased | 599.46 | 599.21 | -0.25 |
| 18 | 3 | LDR-Biased | 599.59 | 599.46 | -0.125 |
| 19 | 3 | LDR-Biased | 600.71 | 600.21 | -0.5 |
| 20 | 3 | LDR-Biased | 598.21 | 598.96 | 0.749 |
| 21 | 3 | LDR-Biased | 598.21 | 598.84 | 0.624 |
| 22 | 3 | LDR-Unbiased | 599.71 | 599.71 | 0 |
| 23 | 3 | LDR-Unbiased | 599.71 | 598.84 | -0.875 |
| 25 | 3 | LDR-Unbiased | 599.59 | 600.46 | 0.874 |
| 26 | 3 | LDR-Unbiased | 599.09 | 598.84 | -0.25 |
| 27 | 3 | LDR-Unbiased | 599.96 | 599.21 | -0.75 |
| 46 | 10 | LDR-Biased | 599.46 | 599.94 | 0.475 |
| 48 | 10 | LDR-Biased | 599.59 | 599.56 | -0.025 |
| 49 | 10 | LDR-Biased | 600.71 | 599.69 | -1.025 |
| 50 | 10 | LDR-Biased | 598.21 | 598.94 | 0.724 |
| 51 | 10 | LDR-Biased | 598.21 | 599.94 | 1.724 |
| 52 | 10 | LDR-Unbiased | 599.71 | 599.31 | -0.4 |
| 53 | 10 | LDR-Unbiased | 599.71 | 598.69 | -1.025 |
| 55 | 10 | LDR-Unbiased | 599.59 | 600.81 | 1.224 |
| 56 | 10 | LDR-Unbiased | 599.09 | 599.44 | 0.35 |
| 57 | 10 | LDR-Unbiased | 599.96 | 597.94 | -2.024 |
| 76 | 30 | LDR-Biased | 599.46 | 598.32 | -1.138 |
| 78 | 30 | LDR-Biased | 599.59 | 599.95 | 0.361 |
| 79 | 30 | LDR-Biased | 600.71 | 598.82 | -1.888 |
| 80 | 30 | LDR-Biased | 598.21 | 598.57 | 0.361 |
| 81 | 30 | LDR-Biased | 598.21 | 598.95 | 0.736 |
| 82 | 30 | LDR-Unbiased | 599.71 | 598.2 | -1.513 |
| 83 | 30 | LDR-Unbiased | 599.71 | 598.95 | -0.763 |
| 84 | 30 | LDR-Unbiased | 599.96 | 598.57 | -1.388 |
| 85 | 30 | LDR-Unbiased | 599.59 | 600.2 | 0.61 |
| 86 | 30 | LDR-Unbiased | 599.09 | 598.82 | -0.263 |
| 87 | 100 | LDR-Biased | 600.34 | 599.59 | -0.75 |
| 88 | 100 | LDR-Biased | 600.71 | 599.21 | -1.5 |
| 90 | 100 | LDR-Biased | 599.71 | 599.09 | -0.625 |
| 91 | 100 | LDR-Unbiased | 600.09 | 600.09 | 0 |
| 93 | 100 | LDR-Unbiased | 598.84 | 599.96 | 1.125 |
| 94 | 100 | LDR-Unbiased | 599.59 | 597.46 | -2.124 |
| 95 | 100 | LDR-Unbiased | 598.96 | 598.84 | -0.125 |
| 96 | 100 | LDR-Unbiased | 600.59 | 599.46 | -1.125 |
| 106 | 50 | LDR-Biased | 599.46 | 600.13 | 0.669 |
| 108 | 50 | LDR-Biased | 599.59 | 598.88 | -0.705 |
| 109 | 50 | LDR-Biased | 600.71 | 599.26 | -1.455 |
| 110 | 50 | LDR-Biased | 598.21 | 598.63 | 0.419 |
| 111 | 50 | LDR-Biased | 598.21 | 598.13 | -0.08 |
| 112 | 50 | LDR-Unbiased | 599.71 | 598.88 | -0.83 |
| 113 | 50 | LDR-Unbiased | 599.71 | 598.13 | -1.579 |
| 115 | 50 | LDR-Unbiased | 599.59 | 600.13 | 0.544 |
| 116 | 50 | LDR-Unbiased | 599.09 | 598.63 | -0.455 |
| 117 | 50 | LDR-Unbiased | 599.96 | 598.38 | -1.579 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 597.96 | 598.9 | 599.84 | 1.3258 | 597.96 | 598.9 | 599.84 | 1.3258 | 0 | 0 | 0 | 0 |
| 3 | 598.21 | 599.42 | 600.71 | 0.76125 | 598.84 | 599.37 | 600.46 | 0.58624 | -0.875 | -0.0503 | 0.874 | 0.61533 |
| 10 | 598.21 | 599.42 | 600.71 | 0.76125 | 597.94 | 599.42 | 600.81 | 0.78454 | -2.024 | -0.0002 | 1.724 | 1.1402 |
| 30 | 598.21 | 599.42 | 600.71 | 0.76125 | 598.2 | 598.94 | 600.2 | 0.65145 | -1.888 | -0.4885 | 0.736 | 0.97267 |
| 50 | 598.21 | 599.42 | 600.71 | 0.76125 | 598.13 | 598.92 | 600.13 | 0.72591 | -1.579 | -0.5051 | 0.669 | 0.87373 |
| 100 | 598.84 | 599.85 | 600.71 | 0.70533 | 597.46 | 599.21 | 600.09 | 0.82345 | -2.124 | -0.6405 | 1.125 | 0.99853 |

# Device Test: 13.22 VTH_UP_HYS/UP/7/3/0/0/0/@UP_DOWN_VHYS



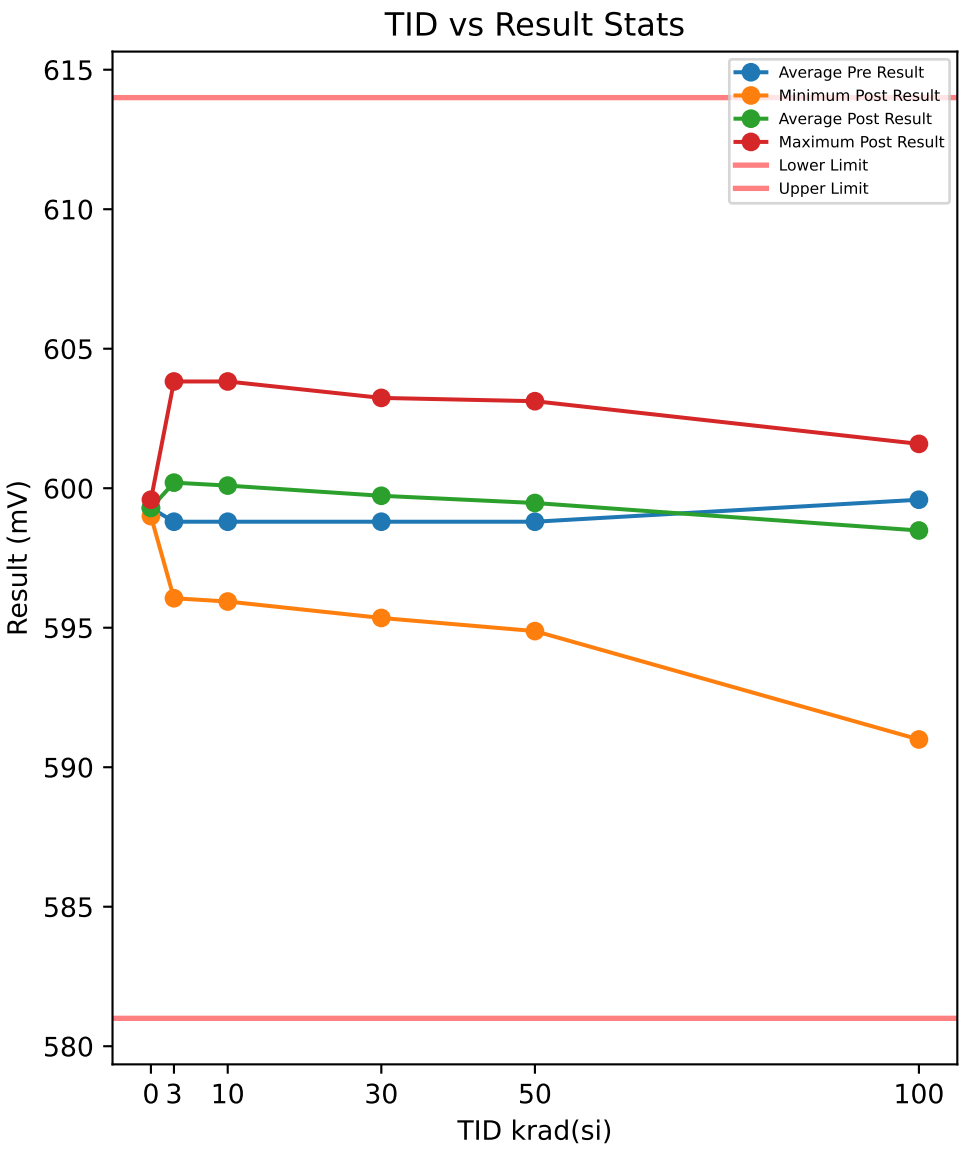

## Test Results (Lower Limit = 75.0, Upper Limit = 125.0 (mV))

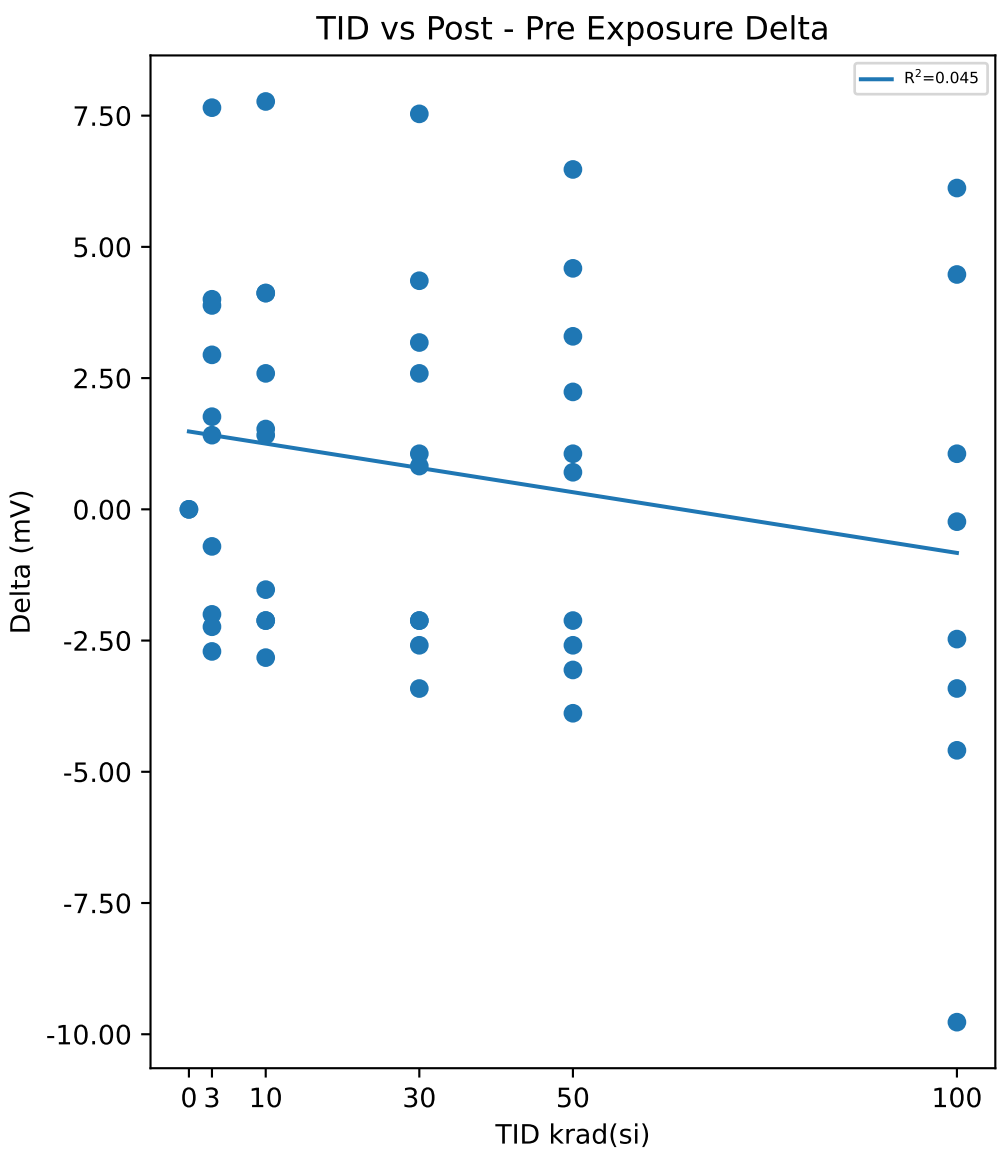
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 101.71 | 101.71 | 0 |
| 7 | 0 | Correlation | 100.59 | 100.59 | 0 |
| 16 | 3 | LDR-Biased | 102.18 | 102 | -0.176 |
| 18 | 3 | LDR-Biased | 102.18 | 101.59 | -0.588 |
| 19 | 3 | LDR-Biased | 102.18 | 101.77 | -0.412 |
| 20 | 3 | LDR-Biased | 101.94 | 99.883 | -2.06 |
| 21 | 3 | LDR-Biased | 98.705 | 101.88 | 3.178 |
| 22 | 3 | LDR-Unbiased | 102.18 | 101.88 | -0.294 |
| 23 | 3 | LDR-Unbiased | 98.94 | 102.06 | 3.12 |
| 25 | 3 | LDR-Unbiased | 99.823 | 99.353 | -0.47 |
| 26 | 3 | LDR-Unbiased | 102.12 | 92.938 | -9.181 |
| 27 | 3 | LDR-Unbiased | 102.3 | 102 | -0.294 |
| 46 | 10 | LDR-Biased | 102.18 | 101.83 | -0.352 |
| 48 | 10 | LDR-Biased | 102.18 | 102.12 | -0.059 |
| 49 | 10 | LDR-Biased | 102.18 | 101.65 | -0.53 |
| 50 | 10 | LDR-Biased | 101.94 | 100.29 | -1.649 |
| 51 | 10 | LDR-Biased | 98.705 | 102.18 | 3.473 |
| 52 | 10 | LDR-Unbiased | 102.18 | 101.83 | -0.352 |
| 53 | 10 | LDR-Unbiased | 98.94 | 101.82 | 2.884 |
| 55 | 10 | LDR-Unbiased | 99.823 | 99.941 | 0.118 |
| 56 | 10 | LDR-Unbiased | 102.12 | 92.407 | -9.712 |
| 57 | 10 | LDR-Unbiased | 102.3 | 101.83 | -0.47 |
| 76 | 30 | LDR-Biased | 102.18 | 101.94 | -0.235 |
| 78 | 30 | LDR-Biased | 102.18 | 101.35 | -0.824 |
| 79 | 30 | LDR-Biased | 102.18 | 102.18 | -0.001 |
| 80 | 30 | LDR-Biased | 101.94 | 100 | -1.943 |
| 81 | 30 | LDR-Biased | 98.705 | 101.47 | 2.767 |
| 82 | 30 | LDR-Unbiased | 102.18 | 101.71 | -0.47 |
| 83 | 30 | LDR-Unbiased | 98.94 | 102.18 | 3.237 |
| 84 | 30 | LDR-Unbiased | 102.3 | 101.82 | -0.471 |
| 85 | 30 | LDR-Unbiased | 99.823 | 99.353 | -0.47 |
| 86 | 30 | LDR-Unbiased | 102.12 | 91.819 | -10.3 |
| 87 | 100 | LDR-Biased | 97.469 | 98.47 | 1.001 |
| 88 | 100 | LDR-Biased | 102.18 | 101.59 | -0.588 |
| 90 | 100 | LDR-Biased | 102.18 | 101.59 | -0.589 |
| 91 | 100 | LDR-Unbiased | 101.82 | 100.18 | -1.647 |
| 93 | 100 | LDR-Unbiased | 98.705 | 102 | 3.296 |
| 94 | 100 | LDR-Unbiased | 102.18 | 101.71 | -0.47 |
| 95 | 100 | LDR-Unbiased | 102.18 | 93.349 | -8.829 |
| 96 | 100 | LDR-Unbiased | 102.18 | 102.06 | -0.117 |
| 106 | 50 | LDR-Biased | 102.18 | 101.83 | -0.352 |
| 108 | 50 | LDR-Biased | 102.18 | 101.59 | -0.589 |
| 109 | 50 | LDR-Biased | 102.18 | 101.47 | -0.706 |
| 110 | 50 | LDR-Biased | 101.94 | 100.18 | -1.767 |
| 111 | 50 | LDR-Biased | 98.705 | 101.88 | 3.179 |
| 112 | 50 | LDR-Unbiased | 102.18 | 101.94 | -0.235 |
| 113 | 50 | LDR-Unbiased | 98.94 | 101.82 | 2.884 |
| 115 | 50 | LDR-Unbiased | 99.823 | 99.293 | -0.53 |
| 116 | 50 | LDR-Unbiased | 102.12 | 91.053 | -11.066 |
| 117 | 50 | LDR-Unbiased | 102.3 | 101.82 | -0.471 |

## Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 100.59 | 101.15 | 101.71 | 0.79055 | 100.59 | 101.15 | 101.71 | 0.79055 | 0 | 0 | 0 | 0 |
| 3 | 98.705 | 101.25 | 102.3 | 1.4764 | 92.938 | 100.54 | 102.06 | 2.8367 | -9.181 | -0.7177 | 3.178 | 3.4019 |
| 10 | 98.705 | 101.25 | 102.3 | 1.4764 | 92.407 | 100.59 | 102.18 | 2.973 | -9.712 | -0.6649 | 3.473 | 3.5554 |
| 30 | 98.705 | 101.25 | 102.3 | 1.4764 | 91.819 | 100.38 | 102.18 | 3.1513 | -10.3 | -0.871 | 3.237 | 3.6789 |
| 50 | 98.705 | 101.25 | 102.3 | 1.4764 | 91.053 | 100.29 | 101.94 | 3.3623 | -11.066 | -0.9653 | 3.179 | 3.8903 |
| 100 | 97.469 | 101.11 | 102.18 | 1.8992 | 93.349 | 100.12 | 102.06 | 2.993 | -8.829 | -0.99287 | 3.296 | 3.4963 |

# Device Test: 13.23 VTH_UP_RISING/UP/1.6/14/0/0/0/@VTH_UP



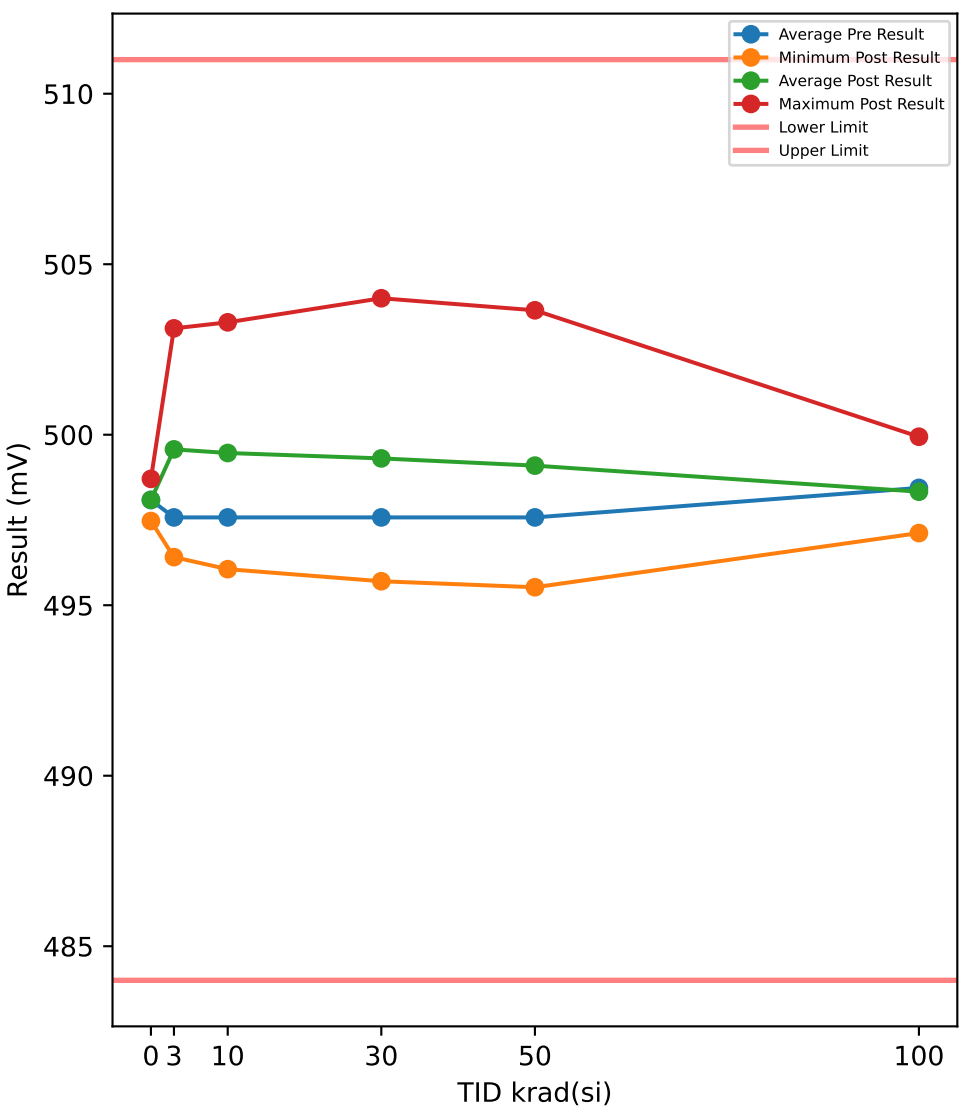

Test Results (Lower Limit = 581.0, Upper Limit = 614.0 (mV))

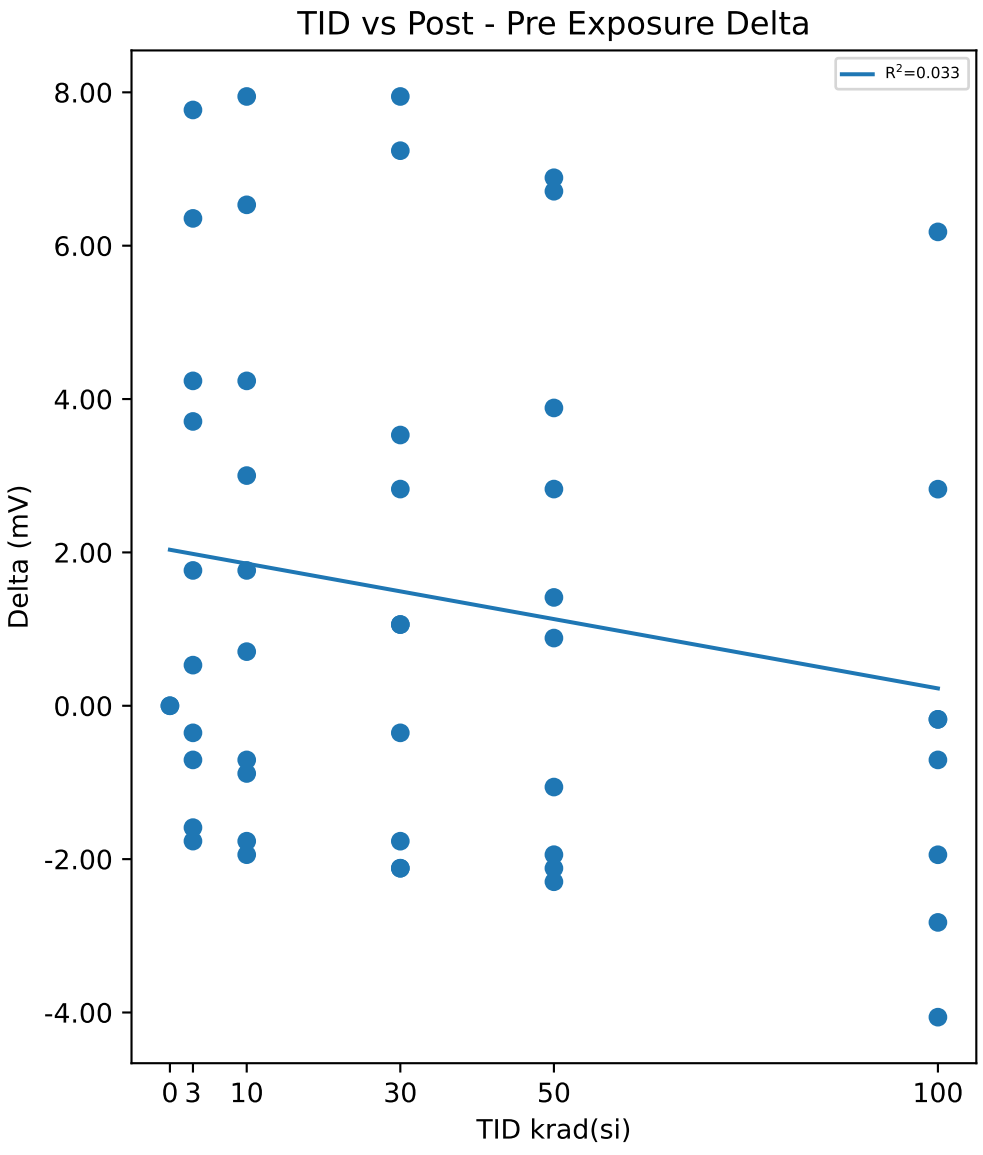
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599 | 599 | 0 |
| 7 | 0 | Correlation | 599.59 | 599.59 | 0 |
| 16 | 3 | LDR-Biased | 602.41 | 603.83 | 1.413 |
| 18 | 3 | LDR-Biased | 603.47 | 601.24 | -2.237 |
| 19 | 3 | LDR-Biased | 604.06 | 602.06 | -2.001 |
| 20 | 3 | LDR-Biased | 598.88 | 600.65 | 1.765 |
| 21 | 3 | LDR-Biased | 595.47 | 598.41 | 2.943 |
| 22 | 3 | LDR-Unbiased | 595.23 | 602.88 | 7.652 |
| 23 | 3 | LDR-Unbiased | 595.12 | 599 | 3.884 |
| 25 | 3 | LDR-Unbiased | 595 | 599 | 4.002 |
| 26 | 3 | LDR-Unbiased | 598.76 | 596.06 | -2.707 |
| 27 | 3 | LDR-Unbiased | 599.59 | 598.88 | -0.706 |
| 46 | 10 | LDR-Biased | 602.41 | 603.83 | 1.413 |
| 48 | 10 | LDR-Biased | 603.47 | 601.35 | -2.119 |
| 49 | 10 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 50 | 10 | LDR-Biased | 598.88 | 600.41 | 1.53 |
| 51 | 10 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 52 | 10 | LDR-Unbiased | 595.23 | 603 | 7.77 |
| 53 | 10 | LDR-Unbiased | 595.12 | 599.24 | 4.12 |
| 55 | 10 | LDR-Unbiased | 595 | 599.12 | 4.12 |
| 56 | 10 | LDR-Unbiased | 598.76 | 595.94 | -2.825 |
| 57 | 10 | LDR-Unbiased | 599.59 | 598.06 | -1.53 |
| 76 | 30 | LDR-Biased | 602.41 | 603.24 | 0.824 |
| 78 | 30 | LDR-Biased | 603.47 | 600.88 | -2.59 |
| 79 | 30 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 80 | 30 | LDR-Biased | 598.88 | 599.94 | 1.059 |
| 81 | 30 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 82 | 30 | LDR-Unbiased | 595.23 | 602.77 | 7.534 |
| 83 | 30 | LDR-Unbiased | 595.12 | 599.47 | 4.355 |
| 84 | 30 | LDR-Unbiased | 599.59 | 597.47 | -2.119 |
| 85 | 30 | LDR-Unbiased | 595 | 598.17 | 3.178 |
| 86 | 30 | LDR-Unbiased | 598.76 | 595.35 | -3.414 |
| 87 | 100 | LDR-Biased | 597.59 | 598.65 | 1.059 |
| 88 | 100 | LDR-Biased | 602.29 | 598.88 | -3.413 |
| 90 | 100 | LDR-Biased | 603.47 | 598.88 | -4.591 |
| 91 | 100 | LDR-Unbiased | 595.23 | 599.71 | 4.474 |
| 93 | 100 | LDR-Unbiased | 595.47 | 601.59 | 6.121 |
| 94 | 100 | LDR-Unbiased | 602.29 | 599.82 | -2.472 |
| 95 | 100 | LDR-Unbiased | 600.76 | 591 | -9.77 |
| 96 | 100 | LDR-Unbiased | 599.59 | 599.35 | -0.235 |
| 106 | 50 | LDR-Biased | 602.41 | 603.12 | 0.706 |
| 108 | 50 | LDR-Biased | 603.47 | 600.88 | -2.59 |
| 109 | 50 | LDR-Biased | 604.06 | 601 | -3.06 |
| 110 | 50 | LDR-Biased | 598.88 | 599.94 | 1.059 |
| 111 | 50 | LDR-Biased | 595.47 | 597.71 | 2.237 |
| 112 | 50 | LDR-Unbiased | 595.23 | 601.71 | 6.475 |
| 113 | 50 | LDR-Unbiased | 595.12 | 599.71 | 4.591 |
| 115 | 50 | LDR-Unbiased | 595 | 598.29 | 3.296 |
| 116 | 50 | LDR-Unbiased | 598.76 | 594.88 | -3.885 |
| 117 | 50 | LDR-Unbiased | 599.59 | 597.47 | -2.119 |

## Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599 | 599.29 | 599.59 | 0.41649 | 599 | 599.29 | 599.59 | 0.41649 | 0 | 0 | 0 | 0 |
| 3 | 595 | 598.8 | 604.06 | 3.5757 | 596.06 | 600.2 | 603.83 | 2.3587 | -2.707 | 1.4008 | 7.652 | 3.344 |
| 10 | 595 | 598.8 | 604.06 | 3.5757 | 595.94 | 600.09 | 603.83 | 2.4661 | -2.825 | 1.295 | 7.77 | 3.4625 |
| 30 | 595 | 598.8 | 604.06 | 3.5757 | 595.35 | 599.73 | 603.24 | 2.5246 | -3.414 | 0.9298 | 7.534 | 3.5439 |
| 50 | 595 | 598.8 | 604.06 | 3.5757 | 594.88 | 599.47 | 603.12 | 2.4157 | -3.885 | 0.671 | 6.475 | 3.522 |
| 100 | 595.23 | 599.59 | 603.47 | 3.1867 | 591 | 598.48 | 601.59 | 3.1648 | -9.77 | -1.1034 | 6.121 | 5.1159 |

# Device Test: 13.24 VTH_DOWNb_FALLING/DOWNb/1.6/14/0/0/0/@VTH_DOWN



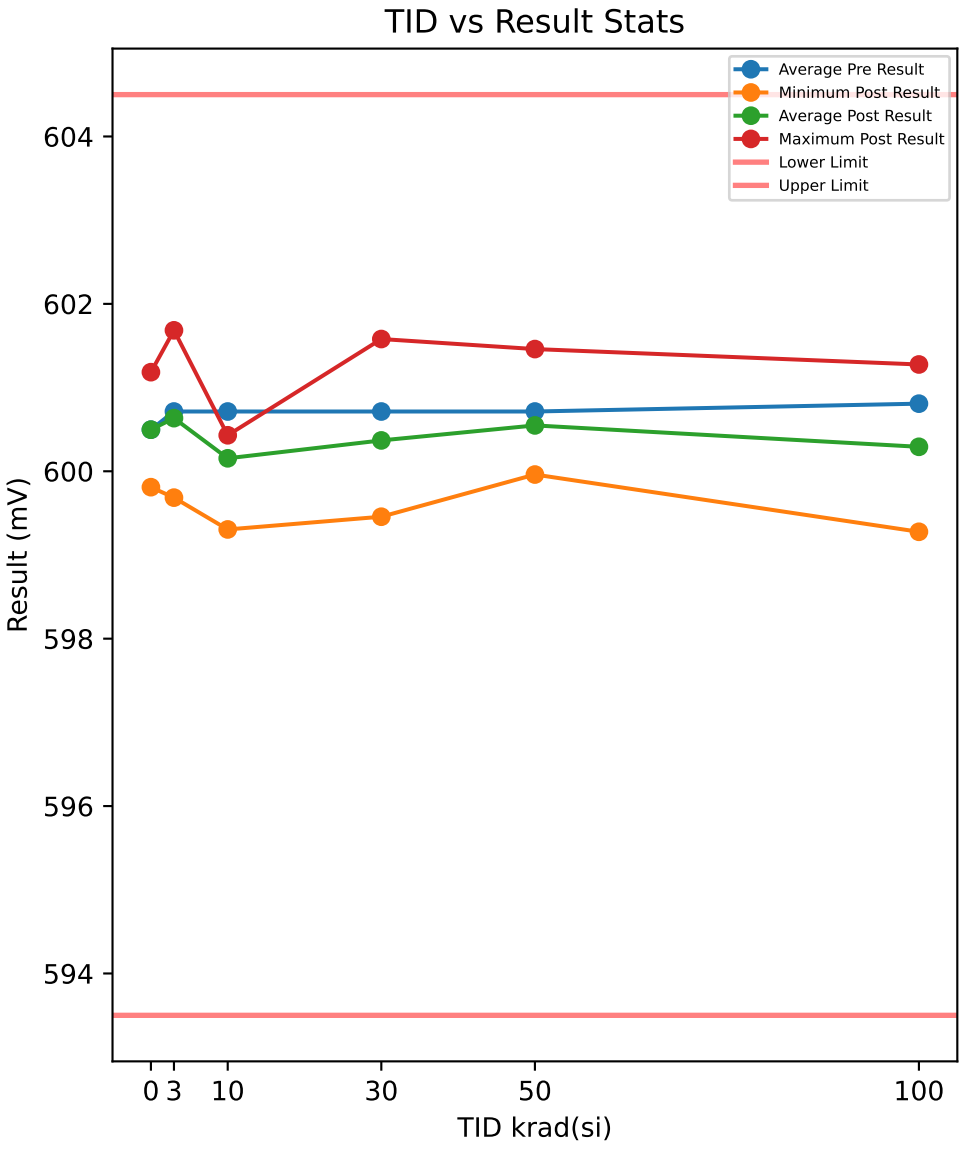

Test Results (Lower Limit = 484.0, Upper Limit = 511.0 (mV))

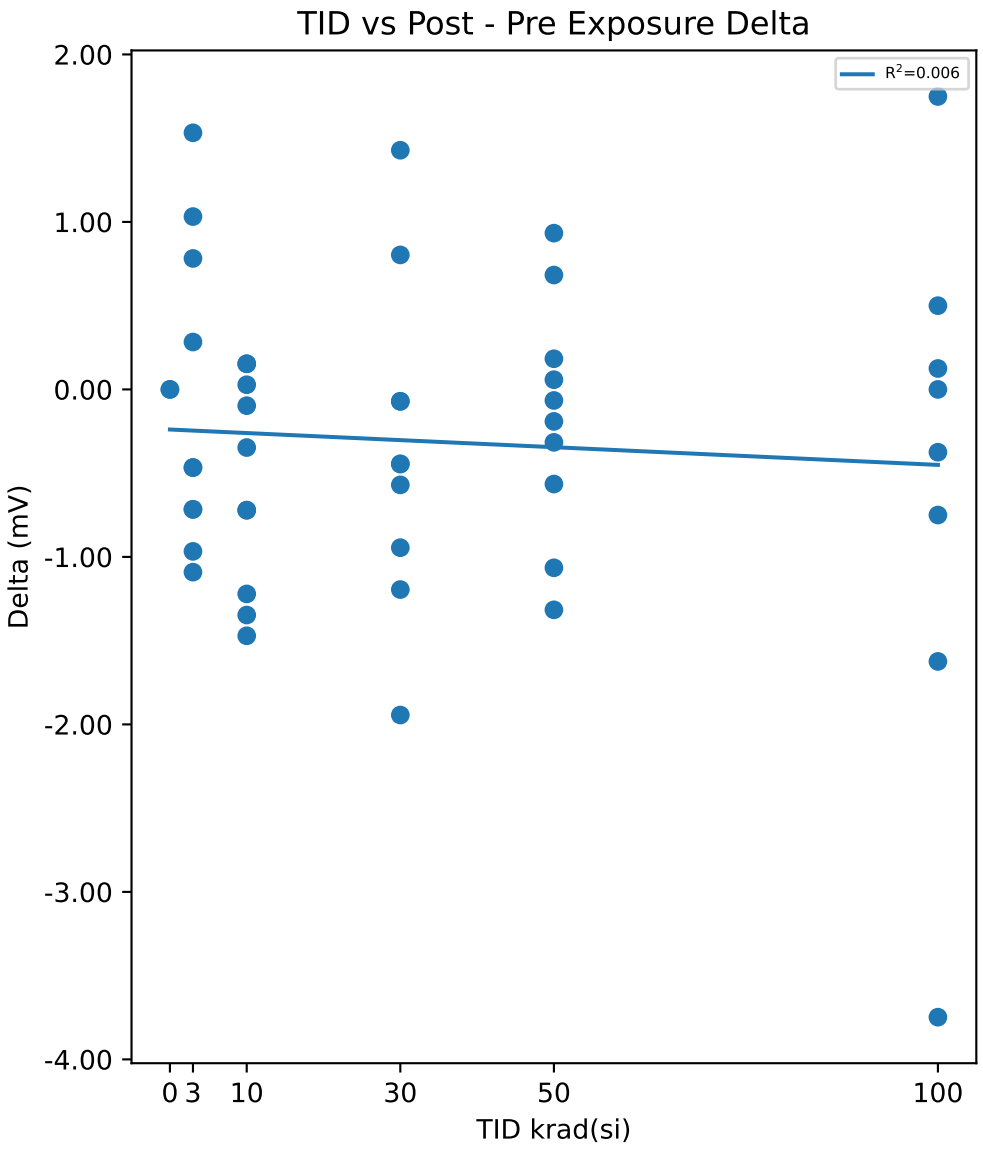
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 497.47 | 497.47 | 0 |
| 7 | 0 | Correlation | 498.7 | 498.7 | 0 |
| 16 | 3 | LDR-Biased | 500.12 | 501.88 | 1.765 |
| 18 | 3 | LDR-Biased | 501.18 | 499.59 | -1.589 |
| 19 | 3 | LDR-Biased | 501.88 | 500.12 | -1.765 |
| 20 | 3 | LDR-Biased | 496.94 | 500.65 | 3.708 |
| 21 | 3 | LDR-Biased | 496.76 | 496.41 | -0.353 |
| 22 | 3 | LDR-Unbiased | 493.23 | 501 | 7.77 |
| 23 | 3 | LDR-Unbiased | 496.23 | 496.76 | 0.53 |
| 25 | 3 | LDR-Unbiased | 495.17 | 499.41 | 4.237 |
| 26 | 3 | LDR-Unbiased | 496.76 | 503.12 | 6.356 |
| 27 | 3 | LDR-Unbiased | 497.47 | 496.76 | -0.706 |
| 46 | 10 | LDR-Biased | 500.12 | 501.88 | 1.765 |
| 48 | 10 | LDR-Biased | 501.18 | 499.41 | -1.766 |
| 49 | 10 | LDR-Biased | 501.88 | 499.94 | -1.942 |
| 50 | 10 | LDR-Biased | 496.94 | 499.94 | 3.002 |
| 51 | 10 | LDR-Biased | 496.76 | 496.06 | -0.706 |
| 52 | 10 | LDR-Unbiased | 493.23 | 501.18 | 7.946 |
| 53 | 10 | LDR-Unbiased | 496.23 | 496.94 | 0.706 |
| 55 | 10 | LDR-Unbiased | 495.17 | 499.41 | 4.237 |
| 56 | 10 | LDR-Unbiased | 496.76 | 503.3 | 6.533 |
| 57 | 10 | LDR-Unbiased | 497.47 | 496.59 | -0.883 |
| 76 | 30 | LDR-Biased | 500.12 | 501.18 | 1.059 |
| 78 | 30 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 79 | 30 | LDR-Biased | 501.88 | 499.76 | -2.118 |
| 80 | 30 | LDR-Biased | 496.94 | 499.76 | 2.826 |
| 81 | 30 | LDR-Biased | 496.76 | 496.41 | -0.353 |
| 82 | 30 | LDR-Unbiased | 493.23 | 501.18 | 7.946 |
| 83 | 30 | LDR-Unbiased | 496.23 | 497.29 | 1.06 |
| 84 | 30 | LDR-Unbiased | 497.47 | 495.7 | -1.766 |
| 85 | 30 | LDR-Unbiased | 495.17 | 498.7 | 3.531 |
| 86 | 30 | LDR-Unbiased | 496.76 | 504 | 7.239 |
| 87 | 100 | LDR-Biased | 500.12 | 499.94 | -0.177 |
| 88 | 100 | LDR-Biased | 500.12 | 497.29 | -2.825 |
| 90 | 100 | LDR-Biased | 501.53 | 497.47 | -4.061 |
| 91 | 100 | LDR-Unbiased | 493.23 | 499.41 | 6.18 |
| 93 | 100 | LDR-Unbiased | 496.76 | 499.59 | 2.825 |
| 94 | 100 | LDR-Unbiased | 500.12 | 498.18 | -1.943 |
| 95 | 100 | LDR-Unbiased | 498.35 | 497.65 | -0.706 |
| 96 | 100 | LDR-Unbiased | 497.29 | 497.12 | -0.177 |
| 106 | 50 | LDR-Biased | 500.12 | 501 | 0.883 |
| 108 | 50 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 109 | 50 | LDR-Biased | 501.88 | 499.59 | -2.295 |
| 110 | 50 | LDR-Biased | 496.94 | 499.76 | 2.826 |
| 111 | 50 | LDR-Biased | 496.76 | 495.7 | -1.06 |
| 112 | 50 | LDR-Unbiased | 493.23 | 499.94 | 6.71 |
| 113 | 50 | LDR-Unbiased | 496.23 | 497.65 | 1.413 |
| 115 | 50 | LDR-Unbiased | 495.17 | 499.06 | 3.884 |
| 116 | 50 | LDR-Unbiased | 496.76 | 503.65 | 6.886 |
| 117 | 50 | LDR-Unbiased | 497.47 | 495.53 | -1.942 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 497.47 | 498.09 | 498.7 | 0.87398 | 497.47 | 498.09 | 498.7 | 0.87398 | 0 | 0 | 0 | 0 |
| 3 | 493.23 | 497.57 | 501.88 | 2.7115 | 496.41 | 499.57 | 503.12 | 2.2906 | -1.765 | 1.9953 | 7.77 | 3.3718 |
| 10 | 493.23 | 497.57 | 501.88 | 2.7115 | 496.06 | 499.46 | 503.3 | 2.3617 | -1.942 | 1.8892 | 7.946 | 3.4781 |
| 30 | 493.23 | 497.57 | 501.88 | 2.7115 | 495.7 | 499.31 | 504 | 2.4792 | -2.119 | 1.7305 | 7.946 | 3.6593 |
| 50 | 493.23 | 497.57 | 501.88 | 2.7115 | 495.53 | 499.09 | 503.65 | 2.4064 | -2.295 | 1.5186 | 6.886 | 3.4941 |
| 100 | 493.23 | 498.44 | 501.53 | 2.6529 | 497.12 | 498.33 | 499.94 | 1.142 | -4.061 | -0.1105 | 6.18 | 3.2707 |

# Device Test: 13.25 VTH_SENSE1_RISING/SENSE1/1.6/14/0/0/0/@VTH_SENSE



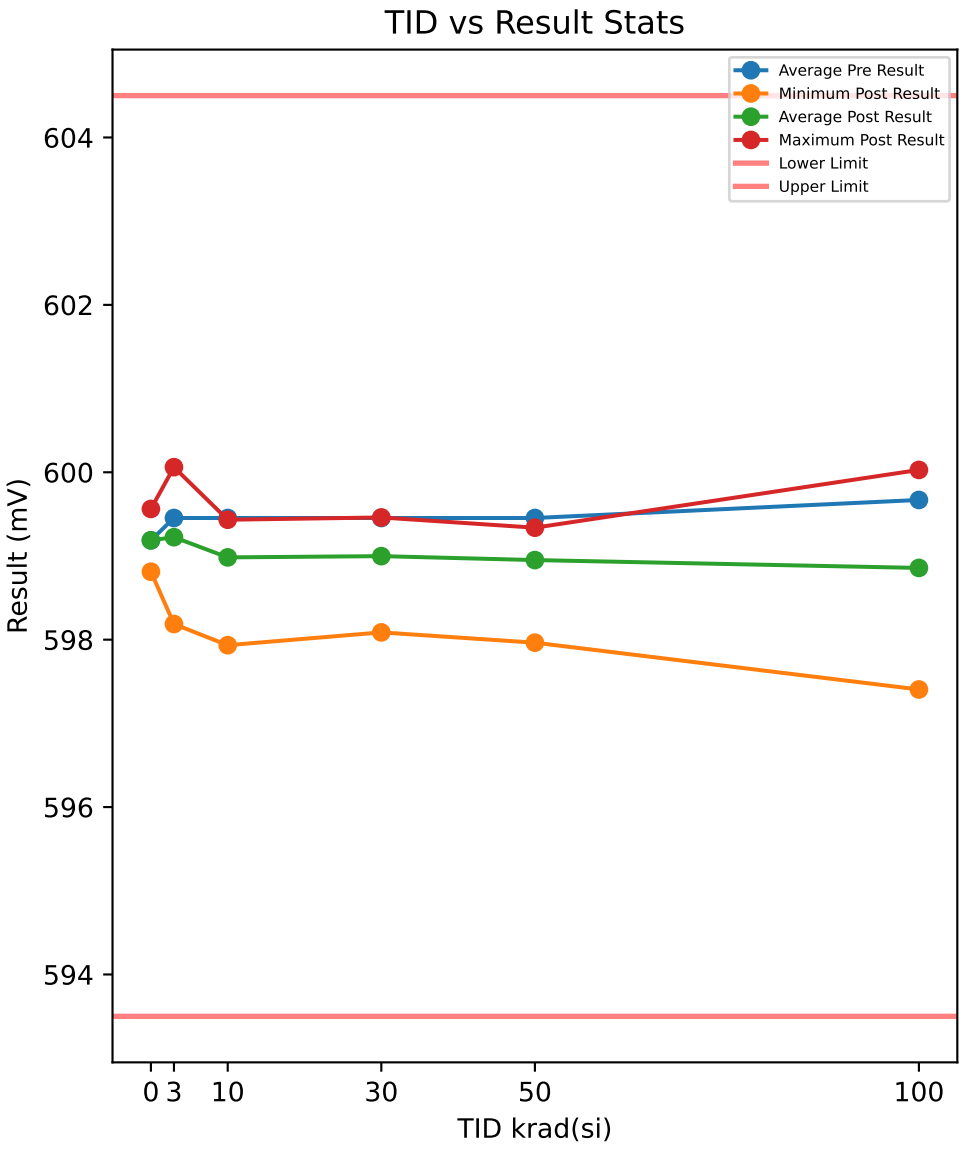

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.81 | 599.81 | 0 |
| 7 | 0 | Correlation | 601.18 | 601.18 | 0 |
| 16 | 3 | LDR-Biased | 600.65 | 599.68 | -0.967 |
| 18 | 3 | LDR-Biased | 600.53 | 600.06 | -0.467 |
| 19 | 3 | LDR-Biased | 600.9 | 600.43 | -0.466 |
| 20 | 3 | LDR-Biased | 601.03 | 600.31 | -0.716 |
| 21 | 3 | LDR-Biased | 600.4 | 601.18 | 0.782 |
| 22 | 3 | LDR-Unbiased | 600.15 | 601.68 | 1.532 |
| 23 | 3 | LDR-Unbiased | 600.28 | 600.56 | 0.283 |
| 25 | 3 | LDR-Unbiased | 601.28 | 600.18 | -1.091 |
| 26 | 3 | LDR-Unbiased | 600.15 | 601.18 | 1.032 |
| 27 | 3 | LDR-Unbiased | 601.78 | 601.06 | -0.716 |
| 46 | 10 | LDR-Biased | 600.65 | 599.3 | -1.347 |
| 48 | 10 | LDR-Biased | 600.53 | 600.43 | -0.097 |
| 49 | 10 | LDR-Biased | 600.9 | 600.18 | -0.721 |
| 50 | 10 | LDR-Biased | 601.03 | 600.3 | -0.721 |
| 51 | 10 | LDR-Biased | 600.4 | 600.05 | -0.347 |
| 52 | 10 | LDR-Unbiased | 600.15 | 600.3 | 0.153 |
| 53 | 10 | LDR-Unbiased | 600.28 | 600.43 | 0.153 |
| 55 | 10 | LDR-Unbiased | 601.28 | 600.05 | -1.221 |
| 56 | 10 | LDR-Unbiased | 600.15 | 600.18 | 0.028 |
| 57 | 10 | LDR-Unbiased | 601.78 | 600.3 | -1.471 |
| 76 | 30 | LDR-Biased | 600.65 | 599.46 | -1.195 |
| 78 | 30 | LDR-Biased | 600.53 | 599.96 | -0.57 |
| 79 | 30 | LDR-Biased | 600.9 | 600.46 | -0.445 |
| 80 | 30 | LDR-Biased | 601.03 | 600.08 | -0.945 |
| 81 | 30 | LDR-Biased | 600.4 | 601.21 | 0.803 |
| 82 | 30 | LDR-Unbiased | 600.15 | 599.71 | -0.445 |
| 83 | 30 | LDR-Unbiased | 600.28 | 600.21 | -0.071 |
| 84 | 30 | LDR-Unbiased | 601.78 | 599.83 | -1.944 |
| 85 | 30 | LDR-Unbiased | 601.28 | 601.21 | -0.071 |
| 86 | 30 | LDR-Unbiased | 600.15 | 601.58 | 1.428 |
| 87 | 100 | LDR-Biased | 600.65 | 600.65 | 0 |
| 88 | 100 | LDR-Biased | 601.15 | 601.28 | 0.125 |
| 90 | 100 | LDR-Biased | 600.03 | 600.53 | 0.5 |
| 91 | 100 | LDR-Unbiased | 600.53 | 600.15 | -0.375 |
| 93 | 100 | LDR-Unbiased | 599.4 | 601.15 | 1.749 |
| 94 | 100 | LDR-Unbiased | 600.9 | 599.28 | -1.624 |
| 95 | 100 | LDR-Unbiased | 600.65 | 599.9 | -0.75 |
| 96 | 100 | LDR-Unbiased | 603.15 | 599.4 | -3.748 |
| 106 | 50 | LDR-Biased | 600.65 | 600.71 | 0.058 |
| 108 | 50 | LDR-Biased | 600.53 | 601.46 | 0.933 |
| 109 | 50 | LDR-Biased | 600.9 | 600.34 | -0.565 |
| 110 | 50 | LDR-Biased | 601.03 | 599.96 | -1.065 |
| 111 | 50 | LDR-Biased | 600.4 | 600.09 | -0.316 |
| 112 | 50 | LDR-Unbiased | 600.15 | 599.96 | -0.191 |
| 113 | 50 | LDR-Unbiased | 600.28 | 600.46 | 0.183 |
| 115 | 50 | LDR-Unbiased | 601.28 | 601.21 | -0.066 |
| 116 | 50 | LDR-Unbiased | 600.15 | 600.84 | 0.683 |
| 117 | 50 | LDR-Unbiased | 601.78 | 600.46 | -1.316 |

Test Statistics (mV)

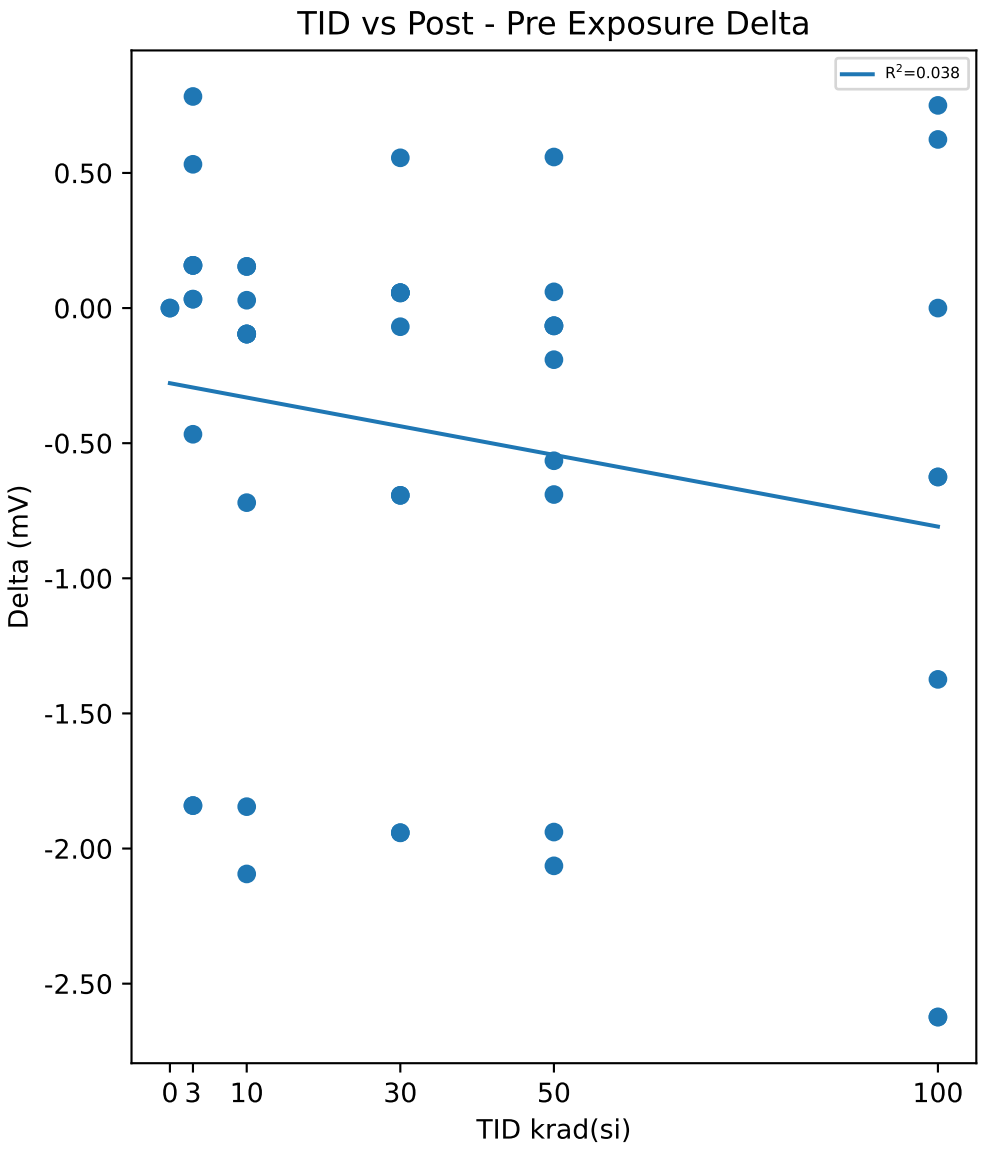
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.81 | 600.5 | 601.18 | 0.97156 | 599.81 | 600.5 | 601.18 | 0.97156 | 0 | 0 | 0 | 0 |
| 3 | 600.15 | 600.71 | 601.78 | 0.5307 | 599.68 | 600.63 | 601.68 | 0.62099 | -1.091 | -0.0794 | 1.532 | 0.92054 |
| 10 | 600.15 | 600.71 | 601.78 | 0.5307 | 599.3 | 600.15 | 600.43 | 0.32702 | -1.471 | -0.5591 | 0.153 | 0.62896 |
| 30 | 600.15 | 600.71 | 601.78 | 0.5307 | 599.46 | 600.37 | 601.58 | 0.72338 | -1.944 | -0.3455 | 1.428 | 0.96157 |
| 50 | 600.15 | 600.71 | 601.78 | 0.5307 | 599.96 | 600.55 | 601.46 | 0.51008 | -1.316 | -0.1662 | 0.933 | 0.70108 |
| 100 | 599.4 | 600.81 | 603.15 | 1.0906 | 599.28 | 600.29 | 601.28 | 0.74498 | -3.748 | -0.51537 | 1.749 | 1.6295 |

# Device Test: 13.26 VTH_SENSE1_FALLING/SENSE1/1.6/14/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

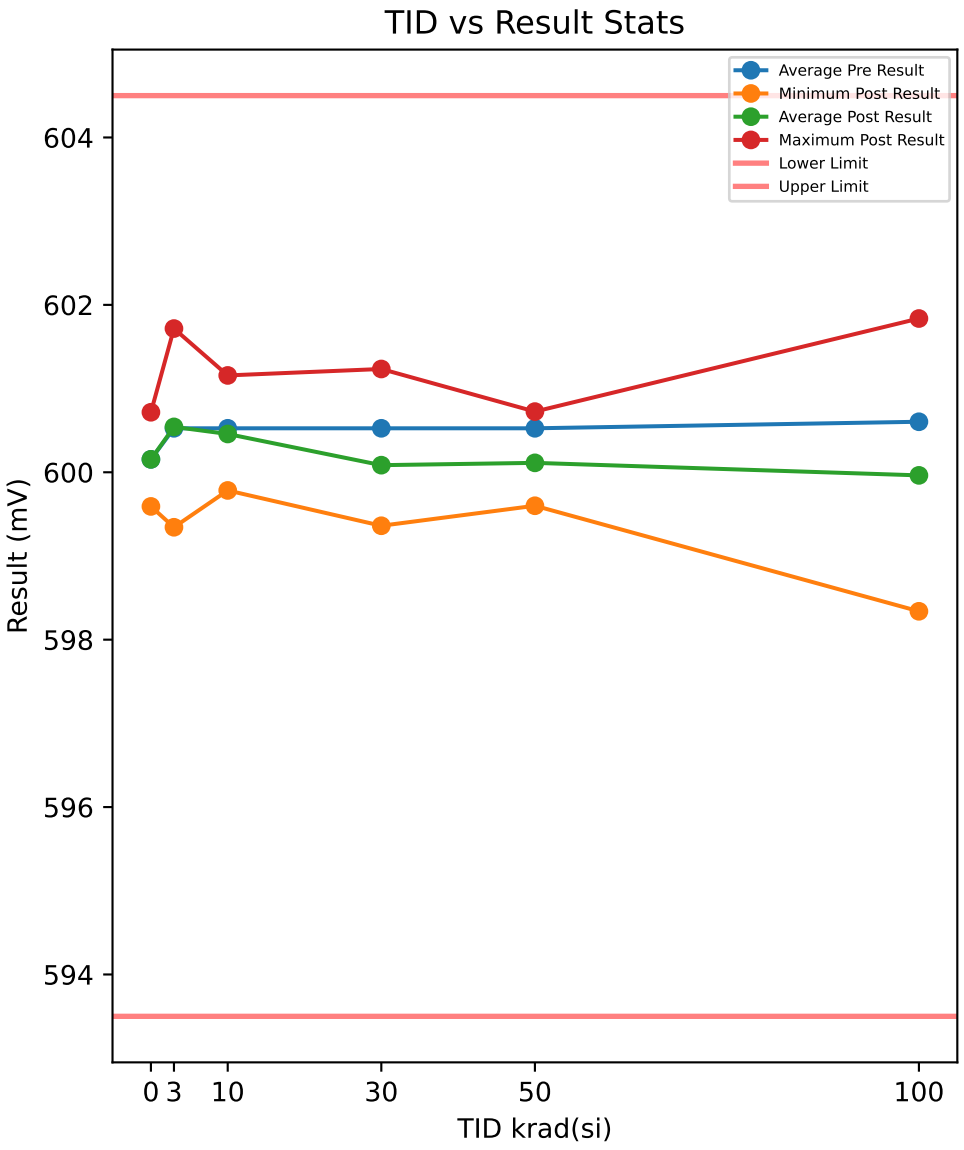
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.81 | 598.81 | 0 |
| 7 | 0 | Correlation | 599.56 | 599.56 | 0 |
| 16 | 3 | LDR-Biased | 600.03 | 598.19 | -1.841 |
| 18 | 3 | LDR-Biased | 599.4 | 598.94 | -0.467 |
| 19 | 3 | LDR-Biased | 600.03 | 600.06 | 0.033 |
| 20 | 3 | LDR-Biased | 598.78 | 598.94 | 0.158 |
| 21 | 3 | LDR-Biased | 599.28 | 599.44 | 0.158 |
| 22 | 3 | LDR-Unbiased | 598.65 | 598.81 | 0.158 |
| 23 | 3 | LDR-Unbiased | 598.78 | 599.56 | 0.783 |
| 25 | 3 | LDR-Unbiased | 599.4 | 599.44 | 0.033 |
| 26 | 3 | LDR-Unbiased | 599.53 | 600.06 | 0.532 |
| 27 | 3 | LDR-Unbiased | 600.65 | 598.81 | -1.841 |
| 46 | 10 | LDR-Biased | 600.03 | 597.93 | -2.094 |
| 48 | 10 | LDR-Biased | 599.4 | 599.31 | -0.096 |
| 49 | 10 | LDR-Biased | 600.03 | 599.31 | -0.72 |
| 50 | 10 | LDR-Biased | 598.78 | 598.81 | 0.029 |
| 51 | 10 | LDR-Biased | 599.28 | 599.43 | 0.154 |
| 52 | 10 | LDR-Unbiased | 598.65 | 598.81 | 0.154 |
| 53 | 10 | LDR-Unbiased | 598.78 | 598.68 | -0.096 |
| 55 | 10 | LDR-Unbiased | 599.4 | 599.31 | -0.096 |
| 56 | 10 | LDR-Unbiased | 599.53 | 599.43 | -0.096 |
| 57 | 10 | LDR-Unbiased | 600.65 | 598.81 | -1.845 |
| 76 | 30 | LDR-Biased | 600.03 | 598.09 | -1.941 |
| 78 | 30 | LDR-Biased | 599.4 | 598.71 | -0.693 |
| 79 | 30 | LDR-Biased | 600.03 | 599.34 | -0.693 |
| 80 | 30 | LDR-Biased | 598.78 | 598.84 | 0.057 |
| 81 | 30 | LDR-Biased | 599.28 | 599.34 | 0.056 |
| 82 | 30 | LDR-Unbiased | 598.65 | 598.71 | 0.057 |
| 83 | 30 | LDR-Unbiased | 598.78 | 599.34 | 0.556 |
| 84 | 30 | LDR-Unbiased | 600.65 | 598.71 | -1.942 |
| 85 | 30 | LDR-Unbiased | 599.4 | 599.46 | 0.056 |
| 86 | 30 | LDR-Unbiased | 599.53 | 599.46 | -0.069 |
| 87 | 100 | LDR-Biased | 599.4 | 599.4 | 0 |
| 88 | 100 | LDR-Biased | 600.15 | 598.78 | -1.374 |
| 90 | 100 | LDR-Biased | 599.4 | 598.78 | -0.625 |
| 91 | 100 | LDR-Unbiased | 598.78 | 599.53 | 0.75 |
| 93 | 100 | LDR-Unbiased | 599.4 | 600.03 | 0.624 |
| 94 | 100 | LDR-Unbiased | 600.03 | 597.4 | -2.623 |
| 95 | 100 | LDR-Unbiased | 599.4 | 598.78 | -0.625 |
| 96 | 100 | LDR-Unbiased | 600.78 | 598.15 | -2.624 |
| 106 | 50 | LDR-Biased | 600.03 | 597.96 | -2.064 |
| 108 | 50 | LDR-Biased | 599.4 | 599.34 | -0.066 |
| 109 | 50 | LDR-Biased | 600.03 | 599.34 | -0.69 |
| 110 | 50 | LDR-Biased | 598.78 | 598.71 | -0.065 |
| 111 | 50 | LDR-Biased | 599.28 | 598.71 | -0.565 |
| 112 | 50 | LDR-Unbiased | 598.65 | 598.71 | 0.06 |
| 113 | 50 | LDR-Unbiased | 598.78 | 599.34 | 0.559 |
| 115 | 50 | LDR-Unbiased | 599.4 | 599.34 | -0.066 |
| 116 | 50 | LDR-Unbiased | 599.53 | 599.34 | -0.191 |
| 117 | 50 | LDR-Unbiased | 600.65 | 598.71 | -1.939 |

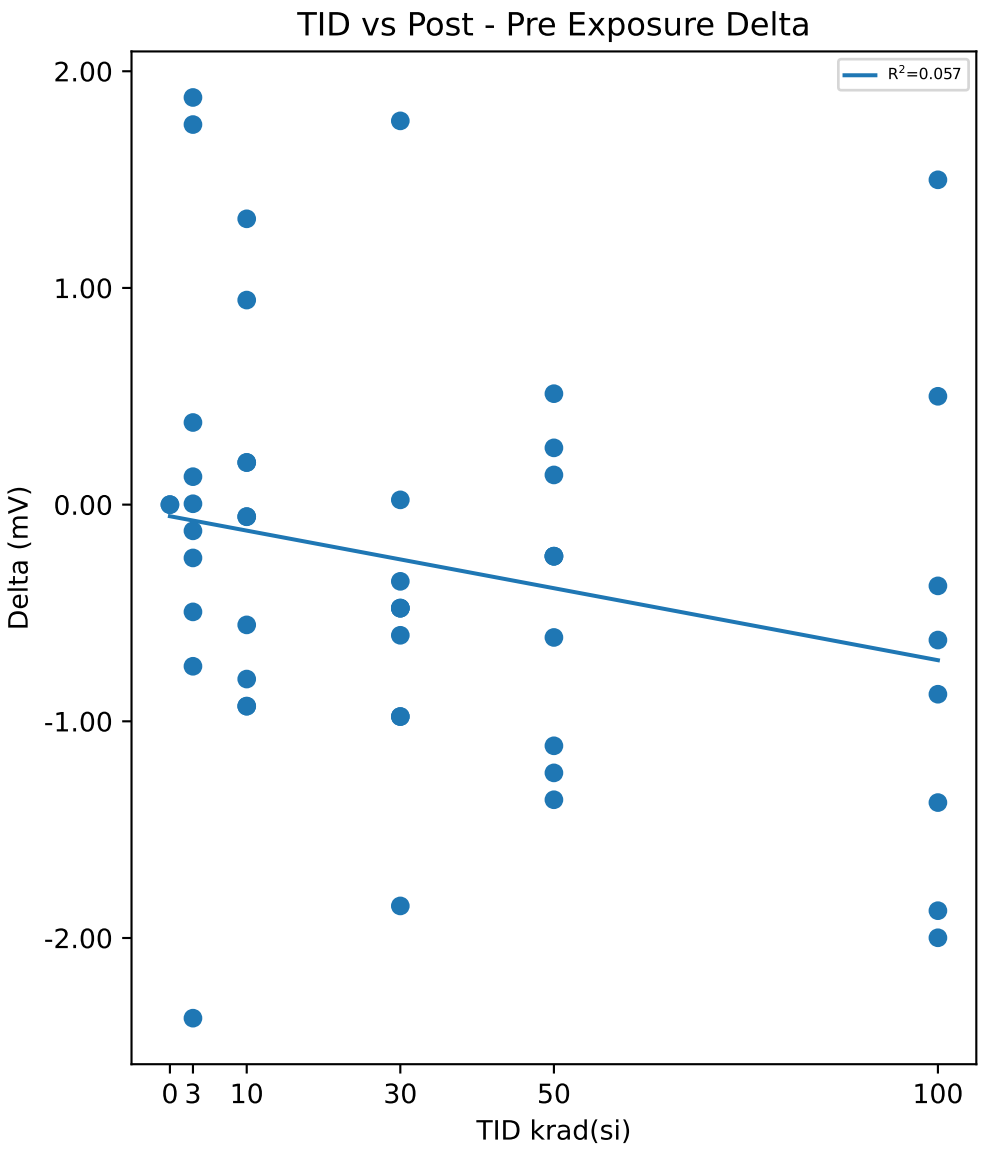



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.81 | 599.19 | 599.56 | 0.53033 | 598.81 | 599.19 | 599.56 | 0.53033 | 0 | 0 | 0 | 0 |
| 3 | 598.65 | 599.45 | 600.65 | 0.64023 | 598.19 | 599.22 | 600.06 | 0.59495 | -1.841 | -0.2294 | 0.783 | 0.90943 |
| 10 | 598.65 | 599.45 | 600.65 | 0.64023 | 597.93 | 598.98 | 599.43 | 0.47189 | -2.094 | -0.4706 | 0.154 | 0.8285 |
| 30 | 598.65 | 599.45 | 600.65 | 0.64023 | 598.09 | 599 | 599.46 | 0.45593 | -1.942 | -0.4556 | 0.556 | 0.86604 |
| 50 | 598.65 | 599.45 | 600.65 | 0.64023 | 597.96 | 598.95 | 599.34 | 0.4652 | -2.064 | -0.5027 | 0.559 | 0.85982 |
| 100 | 598.78 | 599.67 | 600.78 | 0.61714 | 597.4 | 598.86 | 600.03 | 0.82313 | -2.624 | -0.81213 | 0.75 | 1.3153 |

# Device Test: 13.27 VTH_SENSE2_RISING/SENSE2/1.6/14/0/0/0/@VTH_SENSE



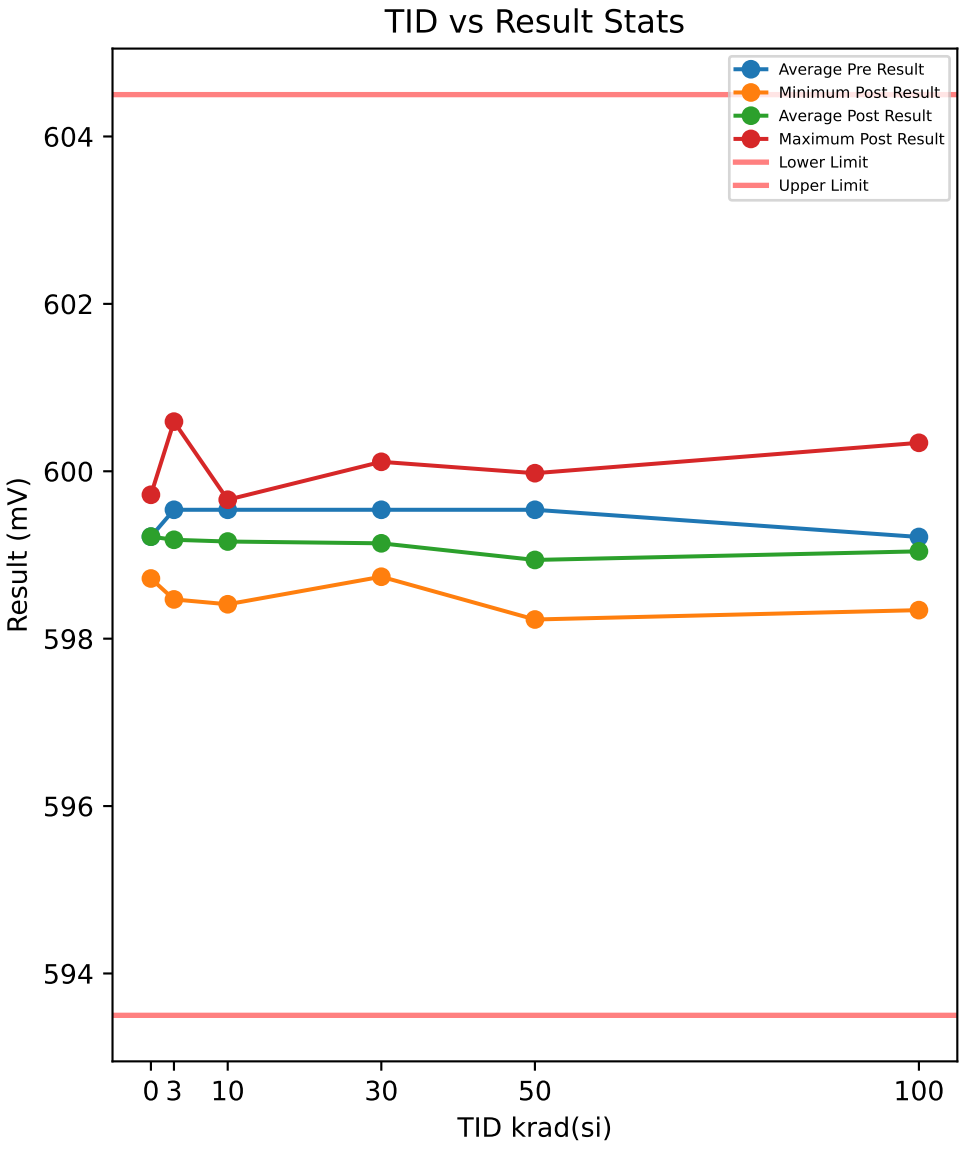

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.59 | 599.59 | 0 |
| 7 | 0 | Correlation | 600.72 | 600.72 | 0 |
| 16 | 3 | LDR-Biased | 600.46 | 600.59 | 0.129 |
| 18 | 3 | LDR-Biased | 599.84 | 599.34 | -0.495 |
| 19 | 3 | LDR-Biased | 602.09 | 599.72 | -2.37 |
| 20 | 3 | LDR-Biased | 600.34 | 600.72 | 0.379 |
| 21 | 3 | LDR-Biased | 599.84 | 601.72 | 1.879 |
| 22 | 3 | LDR-Unbiased | 600.21 | 600.22 | 0.004 |
| 23 | 3 | LDR-Unbiased | 599.46 | 601.22 | 1.754 |
| 25 | 3 | LDR-Unbiased | 600.96 | 600.72 | -0.246 |
| 26 | 3 | LDR-Unbiased | 600.84 | 600.09 | -0.746 |
| 27 | 3 | LDR-Unbiased | 601.21 | 601.09 | -0.121 |
| 46 | 10 | LDR-Biased | 600.46 | 600.66 | 0.194 |
| 48 | 10 | LDR-Biased | 599.84 | 599.78 | -0.055 |
| 49 | 10 | LDR-Biased | 602.09 | 601.16 | -0.93 |
| 50 | 10 | LDR-Biased | 600.34 | 599.78 | -0.555 |
| 51 | 10 | LDR-Biased | 599.84 | 600.03 | 0.195 |
| 52 | 10 | LDR-Unbiased | 600.21 | 601.16 | 0.944 |
| 53 | 10 | LDR-Unbiased | 599.46 | 600.78 | 1.319 |
| 55 | 10 | LDR-Unbiased | 600.96 | 600.91 | -0.056 |
| 56 | 10 | LDR-Unbiased | 600.84 | 599.91 | -0.93 |
| 57 | 10 | LDR-Unbiased | 601.21 | 600.41 | -0.805 |
| 76 | 30 | LDR-Biased | 600.46 | 599.86 | -0.603 |
| 78 | 30 | LDR-Biased | 599.84 | 599.36 | -0.477 |
| 79 | 30 | LDR-Biased | 602.09 | 600.24 | -1.852 |
| 80 | 30 | LDR-Biased | 600.34 | 599.86 | -0.478 |
| 81 | 30 | LDR-Biased | 599.84 | 599.86 | 0.022 |
| 82 | 30 | LDR-Unbiased | 600.21 | 599.74 | -0.478 |
| 83 | 30 | LDR-Unbiased | 599.46 | 601.23 | 1.771 |
| 84 | 30 | LDR-Unbiased | 601.21 | 600.24 | -0.978 |
| 85 | 30 | LDR-Unbiased | 600.96 | 600.61 | -0.354 |
| 86 | 30 | LDR-Unbiased | 600.84 | 599.86 | -0.978 |
| 87 | 100 | LDR-Biased | 600.71 | 599.84 | -0.875 |
| 88 | 100 | LDR-Biased | 600.71 | 599.34 | -1.375 |
| 90 | 100 | LDR-Biased | 599.84 | 599.46 | -0.375 |
| 91 | 100 | LDR-Unbiased | 600.34 | 600.84 | 0.5 |
| 93 | 100 | LDR-Unbiased | 600.34 | 601.84 | 1.499 |
| 94 | 100 | LDR-Unbiased | 600.34 | 598.34 | -1.999 |
| 95 | 100 | LDR-Unbiased | 600.34 | 599.71 | -0.625 |
| 96 | 100 | LDR-Unbiased | 602.21 | 600.34 | -1.874 |
| 106 | 50 | LDR-Biased | 600.46 | 600.23 | -0.238 |
| 108 | 50 | LDR-Biased | 599.84 | 599.6 | -0.238 |
| 109 | 50 | LDR-Biased | 602.09 | 600.73 | -1.362 |
| 110 | 50 | LDR-Biased | 600.34 | 600.48 | 0.137 |
| 111 | 50 | LDR-Biased | 599.84 | 600.35 | 0.512 |
| 112 | 50 | LDR-Unbiased | 600.21 | 599.6 | -0.613 |
| 113 | 50 | LDR-Unbiased | 599.46 | 599.73 | 0.262 |
| 115 | 50 | LDR-Unbiased | 600.96 | 600.73 | -0.238 |
| 116 | 50 | LDR-Unbiased | 600.84 | 599.73 | -1.113 |
| 117 | 50 | LDR-Unbiased | 601.21 | 599.98 | -1.238 |

Test Statistics (mV)

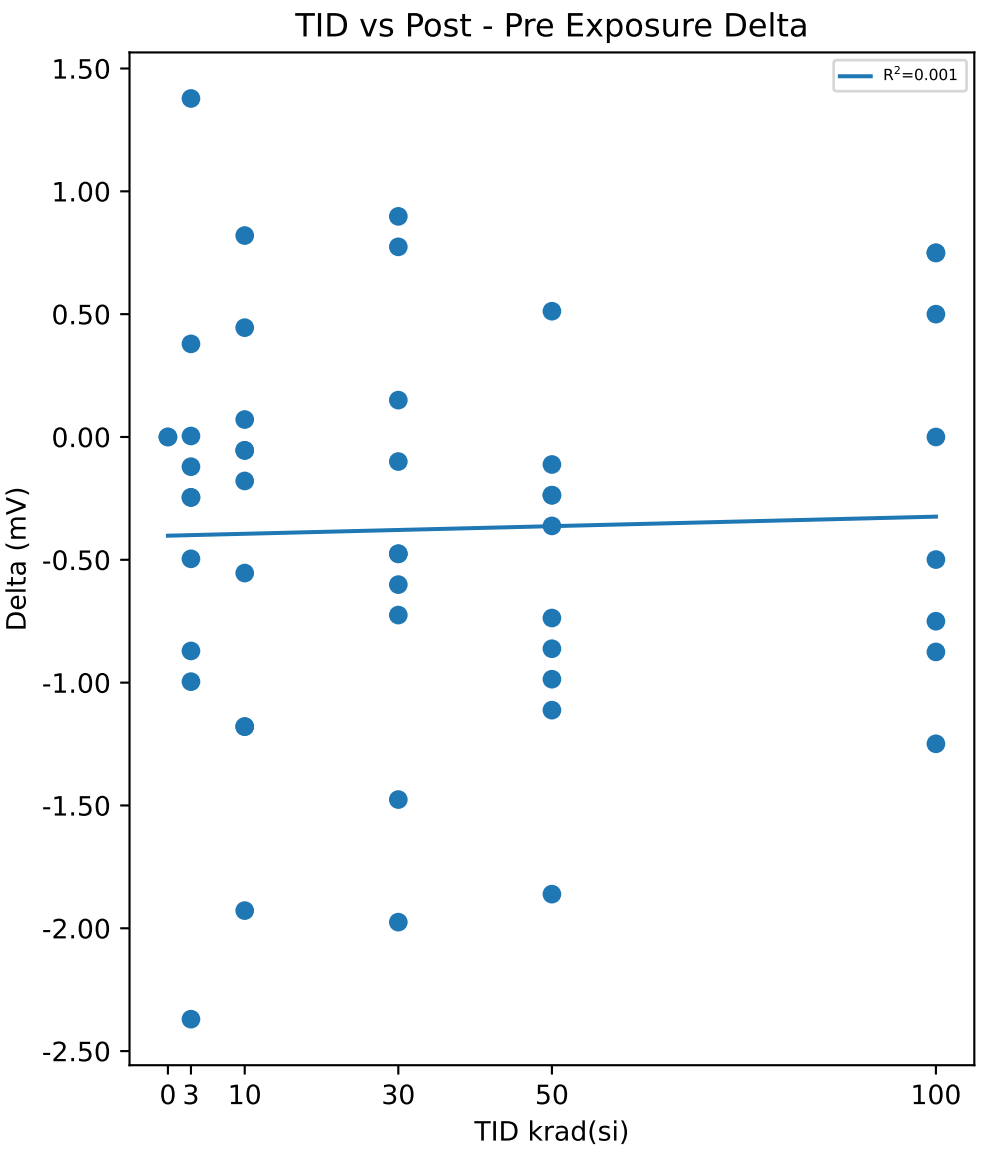
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.59 | 600.15 | 600.72 | 0.7955 | 599.59 | 600.15 | 600.72 | 0.7955 | 0 | 0 | 0 | 0 |
| 3 | 599.46 | 600.53 | 602.09 | 0.77538 | 599.34 | 600.54 | 601.72 | 0.71716 | -2.37 | 0.0167 | 1.879 | 1.2137 |
| 10 | 599.46 | 600.53 | 602.09 | 0.77538 | 599.78 | 600.46 | 601.16 | 0.54977 | -0.93 | -0.0679 | 1.319 | 0.77118 |
| 30 | 599.46 | 600.53 | 602.09 | 0.77538 | 599.36 | 600.08 | 601.23 | 0.52588 | -1.852 | -0.4405 | 1.771 | 0.92573 |
| 50 | 599.46 | 600.53 | 602.09 | 0.77538 | 599.6 | 600.11 | 600.73 | 0.44663 | -1.362 | -0.4129 | 0.512 | 0.65123 |
| 100 | 599.84 | 600.6 | 602.21 | 0.705 | 598.34 | 599.96 | 601.84 | 1.0539 | -1.999 | -0.6405 | 1.499 | 1.1899 |

# Device Test: 13.28 VTH_SENSE2_FALLING/SENSE2/1.6/14/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

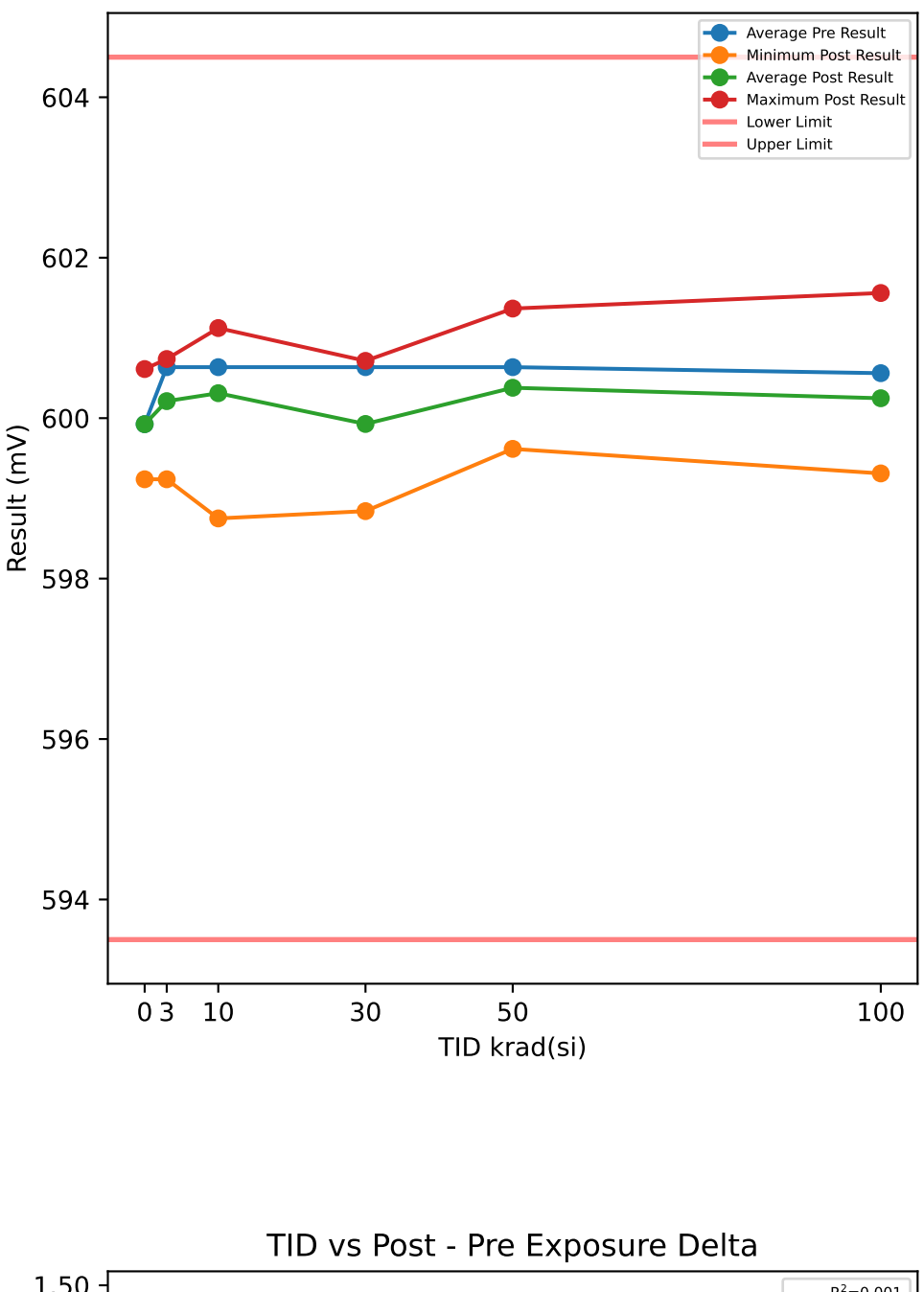
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.72 | 598.72 | 0 |
| 7 | 0 | Correlation | 599.72 | 599.72 | 0 |
| 16 | 3 | LDR-Biased | 599.59 | 599.34 | -0.246 |
| 18 | 3 | LDR-Biased | 598.72 | 598.72 | 0.004 |
| 19 | 3 | LDR-Biased | 601.21 | 598.84 | -2.37 |
| 20 | 3 | LDR-Biased | 599.47 | 598.47 | -0.996 |
| 21 | 3 | LDR-Biased | 598.97 | 598.84 | -0.121 |
| 22 | 3 | LDR-Unbiased | 599.22 | 598.72 | -0.496 |
| 23 | 3 | LDR-Unbiased | 598.97 | 599.34 | 0.379 |
| 25 | 3 | LDR-Unbiased | 599.22 | 600.59 | 1.378 |
| 26 | 3 | LDR-Unbiased | 599.59 | 598.72 | -0.871 |
| 27 | 3 | LDR-Unbiased | 600.47 | 600.22 | -0.246 |
| 46 | 10 | LDR-Biased | 599.59 | 599.53 | -0.055 |
| 48 | 10 | LDR-Biased | 598.72 | 599.53 | 0.82 |
| 49 | 10 | LDR-Biased | 601.21 | 599.29 | -1.928 |
| 50 | 10 | LDR-Biased | 599.47 | 598.91 | -0.554 |
| 51 | 10 | LDR-Biased | 598.97 | 598.91 | -0.054 |
| 52 | 10 | LDR-Unbiased | 599.22 | 599.04 | -0.179 |
| 53 | 10 | LDR-Unbiased | 598.97 | 599.04 | 0.071 |
| 55 | 10 | LDR-Unbiased | 599.22 | 599.66 | 0.445 |
| 56 | 10 | LDR-Unbiased | 599.59 | 598.41 | -1.179 |
| 57 | 10 | LDR-Unbiased | 600.47 | 599.29 | -1.179 |
| 76 | 30 | LDR-Biased | 599.59 | 598.99 | -0.601 |
| 78 | 30 | LDR-Biased | 598.72 | 598.87 | 0.15 |
| 79 | 30 | LDR-Biased | 601.21 | 599.24 | -1.975 |
| 80 | 30 | LDR-Biased | 599.47 | 598.99 | -0.476 |
| 81 | 30 | LDR-Biased | 598.97 | 598.87 | -0.1 |
| 82 | 30 | LDR-Unbiased | 599.22 | 598.74 | -0.475 |
| 83 | 30 | LDR-Unbiased | 598.97 | 599.74 | 0.774 |
| 84 | 30 | LDR-Unbiased | 600.47 | 598.99 | -1.476 |
| 85 | 30 | LDR-Unbiased | 599.22 | 600.11 | 0.898 |
| 86 | 30 | LDR-Unbiased | 599.59 | 598.87 | -0.725 |
| 87 | 100 | LDR-Biased | 598.84 | 598.34 | -0.499 |
| 88 | 100 | LDR-Biased | 599.47 | 598.72 | -0.75 |
| 90 | 100 | LDR-Biased | 597.84 | 598.59 | 0.749 |
| 91 | 100 | LDR-Unbiased | 599.59 | 600.34 | 0.75 |
| 93 | 100 | LDR-Unbiased | 599.34 | 599.84 | 0.5 |
| 94 | 100 | LDR-Unbiased | 599.72 | 598.47 | -1.249 |
| 95 | 100 | LDR-Unbiased | 598.97 | 598.97 | 0 |
| 96 | 100 | LDR-Unbiased | 599.97 | 599.09 | -0.875 |
| 106 | 50 | LDR-Biased | 599.59 | 598.85 | -0.737 |
| 108 | 50 | LDR-Biased | 598.72 | 598.48 | -0.237 |
| 109 | 50 | LDR-Biased | 601.21 | 599.35 | -1.861 |
| 110 | 50 | LDR-Biased | 599.47 | 599.98 | 0.512 |
| 111 | 50 | LDR-Biased | 598.97 | 598.73 | -0.237 |
| 112 | 50 | LDR-Unbiased | 599.22 | 598.85 | -0.362 |
| 113 | 50 | LDR-Unbiased | 598.97 | 598.85 | -0.112 |
| 115 | 50 | LDR-Unbiased | 599.22 | 598.23 | -0.986 |
| 116 | 50 | LDR-Unbiased | 599.59 | 598.73 | -0.862 |
| 117 | 50 | LDR-Unbiased | 600.47 | 599.35 | -1.112 |

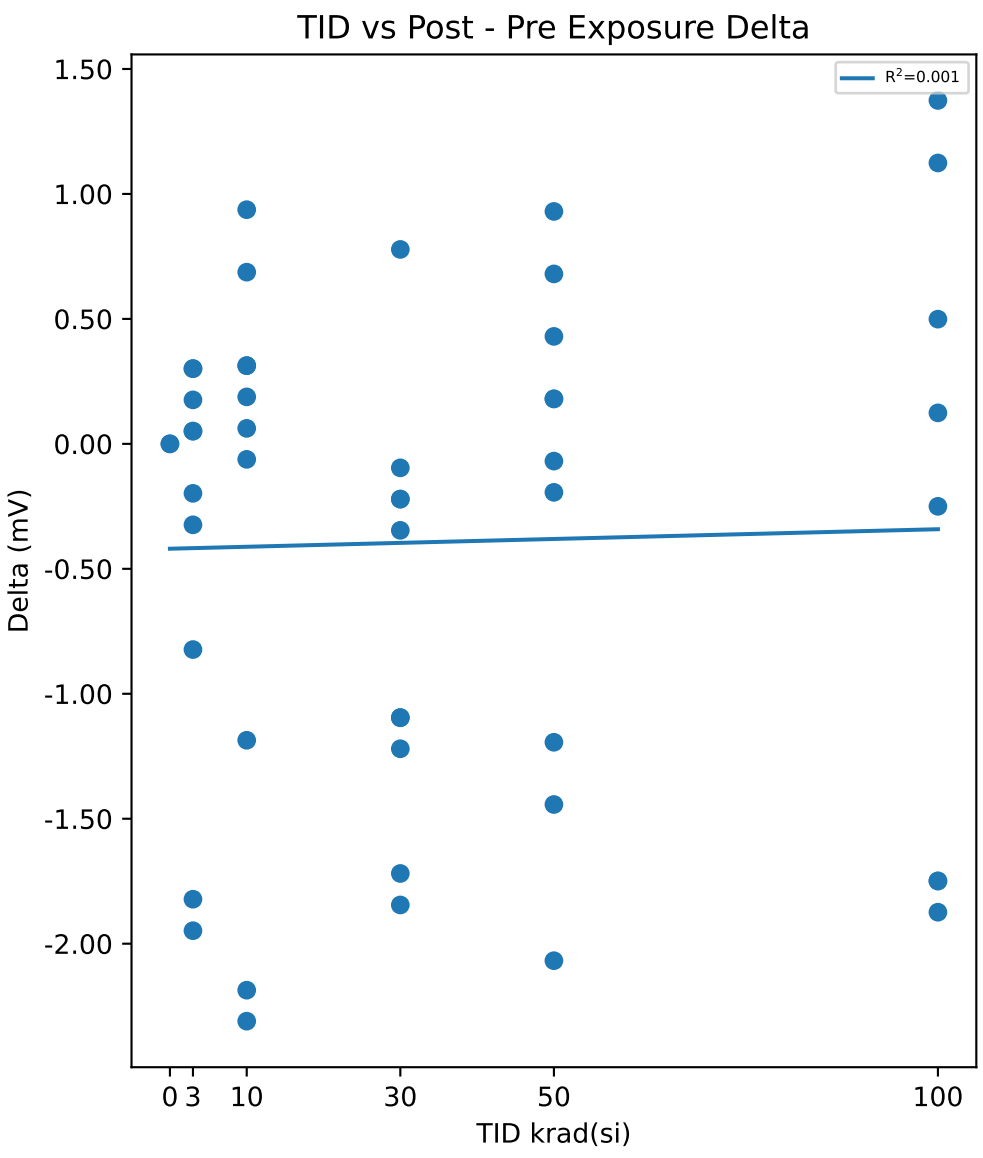



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.72 | 599.22 | 599.72 | 0.70711 | 598.72 | 599.22 | 599.72 | 0.70711 | 0 | 0 | 0 | 0 |
| 3 | 598.72 | 599.54 | 601.21 | 0.7617 | 598.47 | 599.18 | 600.59 | 0.70701 | -2.37 | -0.3585 | 1.378 | 0.9722 |
| 10 | 598.72 | 599.54 | 601.21 | 0.7617 | 598.41 | 599.16 | 599.66 | 0.37694 | -1.928 | -0.3792 | 0.82 | 0.83531 |
| 30 | 598.72 | 599.54 | 601.21 | 0.7617 | 598.74 | 599.14 | 600.11 | 0.44355 | -1.975 | -0.4006 | 0.898 | 0.89761 |
| 50 | 598.72 | 599.54 | 601.21 | 0.7617 | 598.23 | 598.94 | 599.98 | 0.49978 | -1.861 | -0.5994 | 0.512 | 0.65689 |
| 100 | 597.84 | 599.22 | 599.97 | 0.66786 | 598.34 | 599.04 | 600.34 | 0.70348 | -1.249 | -0.17175 | 0.75 | 0.78145 |

# Device Test: 13.29 VTH_SENSE3_RISING/SENSE3/1.6/14/0/0/0/@VTH_SENSE



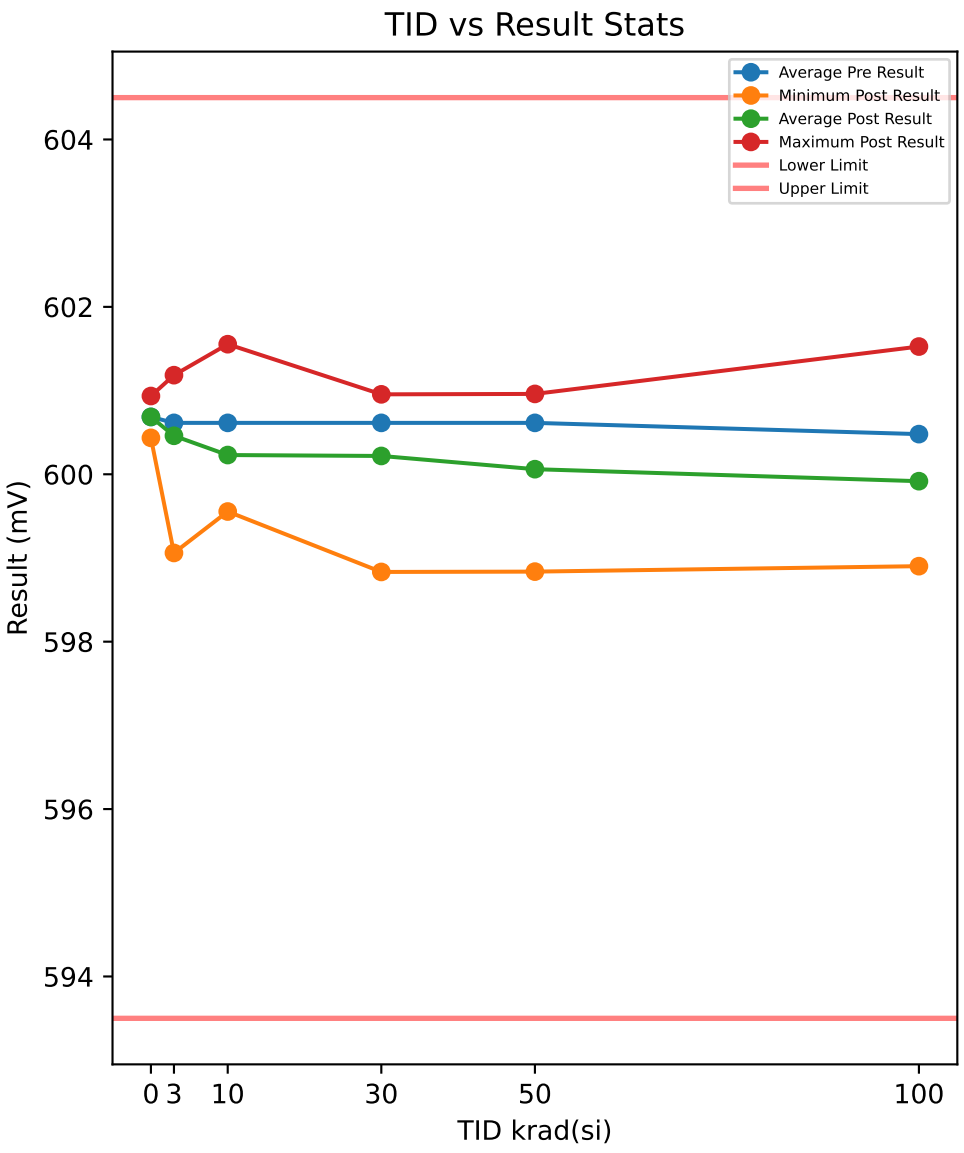

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

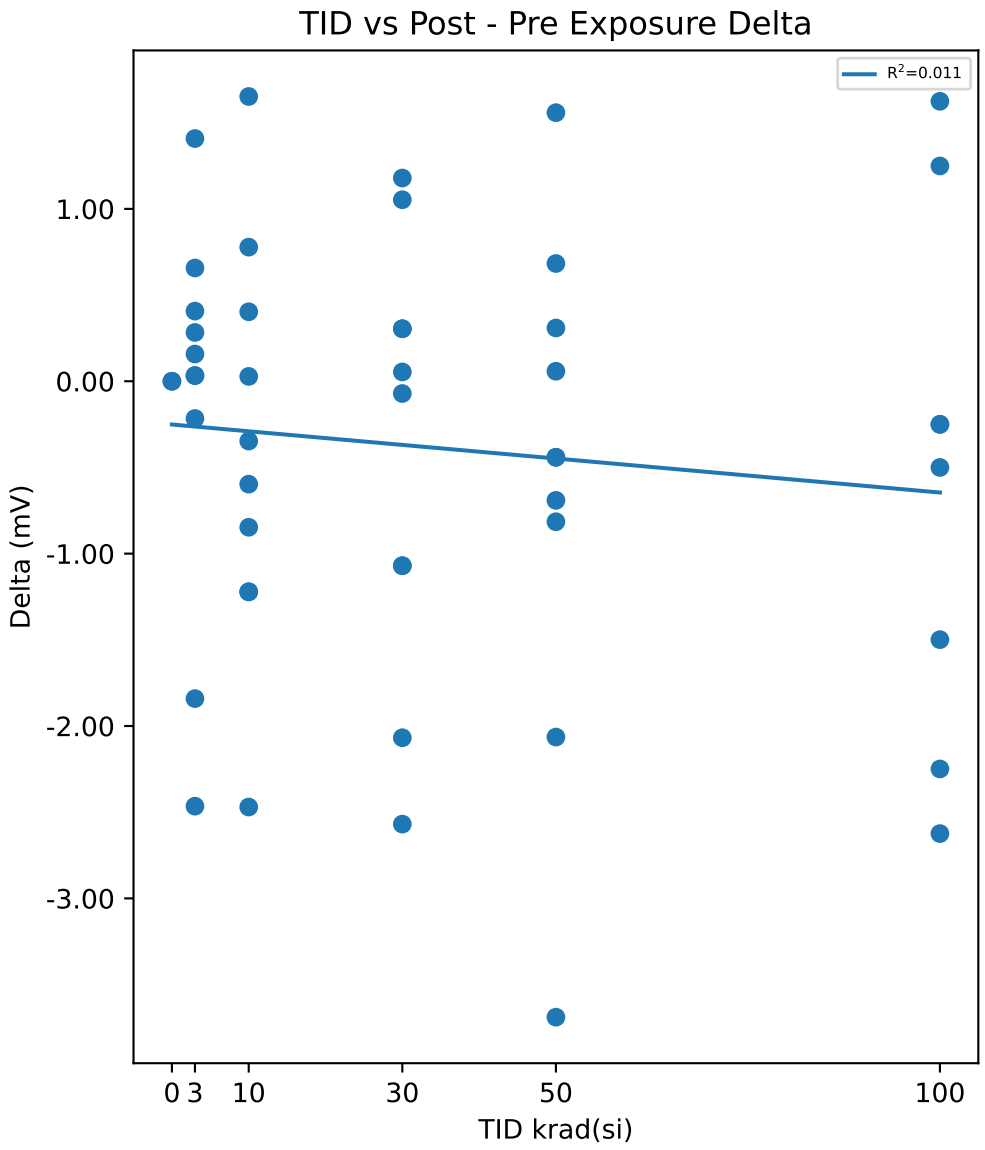
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.24 | 599.24 | 0 |
| 7 | 0 | Correlation | 600.61 | 600.61 | 0 |
| 16 | 3 | LDR-Biased | 600.44 | 600.74 | 0.301 |
| 18 | 3 | LDR-Biased | 600.19 | 600.24 | 0.051 |
| 19 | 3 | LDR-Biased | 601.56 | 600.74 | -0.823 |
| 20 | 3 | LDR-Biased | 601.06 | 599.24 | -1.822 |
| 21 | 3 | LDR-Biased | 600.19 | 600.36 | 0.176 |
| 22 | 3 | LDR-Unbiased | 599.94 | 600.24 | 0.301 |
| 23 | 3 | LDR-Unbiased | 599.94 | 599.61 | -0.324 |
| 25 | 3 | LDR-Unbiased | 600.44 | 600.49 | 0.051 |
| 26 | 3 | LDR-Unbiased | 600.81 | 600.61 | -0.198 |
| 27 | 3 | LDR-Unbiased | 601.81 | 599.86 | -1.948 |
| 46 | 10 | LDR-Biased | 600.44 | 600.5 | 0.062 |
| 48 | 10 | LDR-Biased | 600.19 | 601.12 | 0.937 |
| 49 | 10 | LDR-Biased | 601.56 | 600.37 | -1.186 |
| 50 | 10 | LDR-Biased | 601.06 | 598.75 | -2.31 |
| 51 | 10 | LDR-Biased | 600.19 | 600.12 | -0.062 |
| 52 | 10 | LDR-Unbiased | 599.94 | 600.25 | 0.313 |
| 53 | 10 | LDR-Unbiased | 599.94 | 600.25 | 0.313 |
| 55 | 10 | LDR-Unbiased | 600.44 | 601.12 | 0.687 |
| 56 | 10 | LDR-Unbiased | 600.81 | 601 | 0.188 |
| 57 | 10 | LDR-Unbiased | 601.81 | 599.62 | -2.186 |
| 76 | 30 | LDR-Biased | 600.44 | 600.22 | -0.221 |
| 78 | 30 | LDR-Biased | 600.19 | 600.09 | -0.096 |
| 79 | 30 | LDR-Biased | 601.56 | 600.46 | -1.096 |
| 80 | 30 | LDR-Biased | 601.06 | 599.34 | -1.719 |
| 81 | 30 | LDR-Biased | 600.19 | 599.84 | -0.346 |
| 82 | 30 | LDR-Unbiased | 599.94 | 598.84 | -1.095 |
| 83 | 30 | LDR-Unbiased | 599.94 | 600.71 | 0.778 |
| 84 | 30 | LDR-Unbiased | 601.81 | 599.97 | -1.845 |
| 85 | 30 | LDR-Unbiased | 600.44 | 600.22 | -0.221 |
| 86 | 30 | LDR-Unbiased | 600.81 | 599.59 | -1.22 |
| 87 | 100 | LDR-Biased | 600.31 | 600.81 | 0.499 |
| 88 | 100 | LDR-Biased | 601.06 | 599.31 | -1.749 |
| 90 | 100 | LDR-Biased | 600.44 | 600.56 | 0.124 |
| 91 | 100 | LDR-Unbiased | 599.56 | 600.93 | 1.374 |
| 93 | 100 | LDR-Unbiased | 600.44 | 601.56 | 1.124 |
| 94 | 100 | LDR-Unbiased | 601.18 | 599.31 | -1.874 |
| 95 | 100 | LDR-Unbiased | 600.06 | 599.81 | -0.25 |
| 96 | 100 | LDR-Unbiased | 601.43 | 599.69 | -1.749 |
| 106 | 50 | LDR-Biased | 600.44 | 600.62 | 0.18 |
| 108 | 50 | LDR-Biased | 600.19 | 600.87 | 0.68 |
| 109 | 50 | LDR-Biased | 601.56 | 600.37 | -1.194 |
| 110 | 50 | LDR-Biased | 601.06 | 599.62 | -1.443 |
| 111 | 50 | LDR-Biased | 600.19 | 600.37 | 0.18 |
| 112 | 50 | LDR-Unbiased | 599.94 | 600.37 | 0.43 |
| 113 | 50 | LDR-Unbiased | 599.94 | 599.87 | -0.069 |
| 115 | 50 | LDR-Unbiased | 600.44 | 601.37 | 0.93 |
| 116 | 50 | LDR-Unbiased | 600.81 | 600.62 | -0.194 |
| 117 | 50 | LDR-Unbiased | 601.81 | 599.74 | -2.068 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.24 | 599.92 | 600.61 | 0.97156 | 599.24 | 599.92 | 600.61 | 0.97156 | 0 | 0 | 0 | 0 |
| 3 | 599.94 | 600.64 | 601.81 | 0.65888 | 599.24 | 600.21 | 600.74 | 0.49909 | -1.948 | -0.4235 | 0.301 | 0.84062 |
| 10 | 599.94 | 600.64 | 601.81 | 0.65888 | 598.75 | 600.31 | 601.12 | 0.72885 | -2.31 | -0.3244 | 0.937 | 1.1575 |
| 30 | 599.94 | 600.64 | 601.81 | 0.65888 | 598.84 | 599.93 | 600.71 | 0.55233 | -1.845 | -0.7081 | 0.778 | 0.82094 |
| 50 | 599.94 | 600.64 | 601.81 | 0.65888 | 599.62 | 600.38 | 601.37 | 0.53466 | -2.068 | -0.2568 | 0.93 | 0.9857 |
| 100 | 599.56 | 600.56 | 601.43 | 0.62633 | 599.31 | 600.25 | 601.56 | 0.83403 | -1.874 | -0.31263 | 1.374 | 1.327 |

# Device Test: 13.3 VTH_SENSE1_RISING/SENSE1/1.6/3/0/0/0/@VTH_SENSE



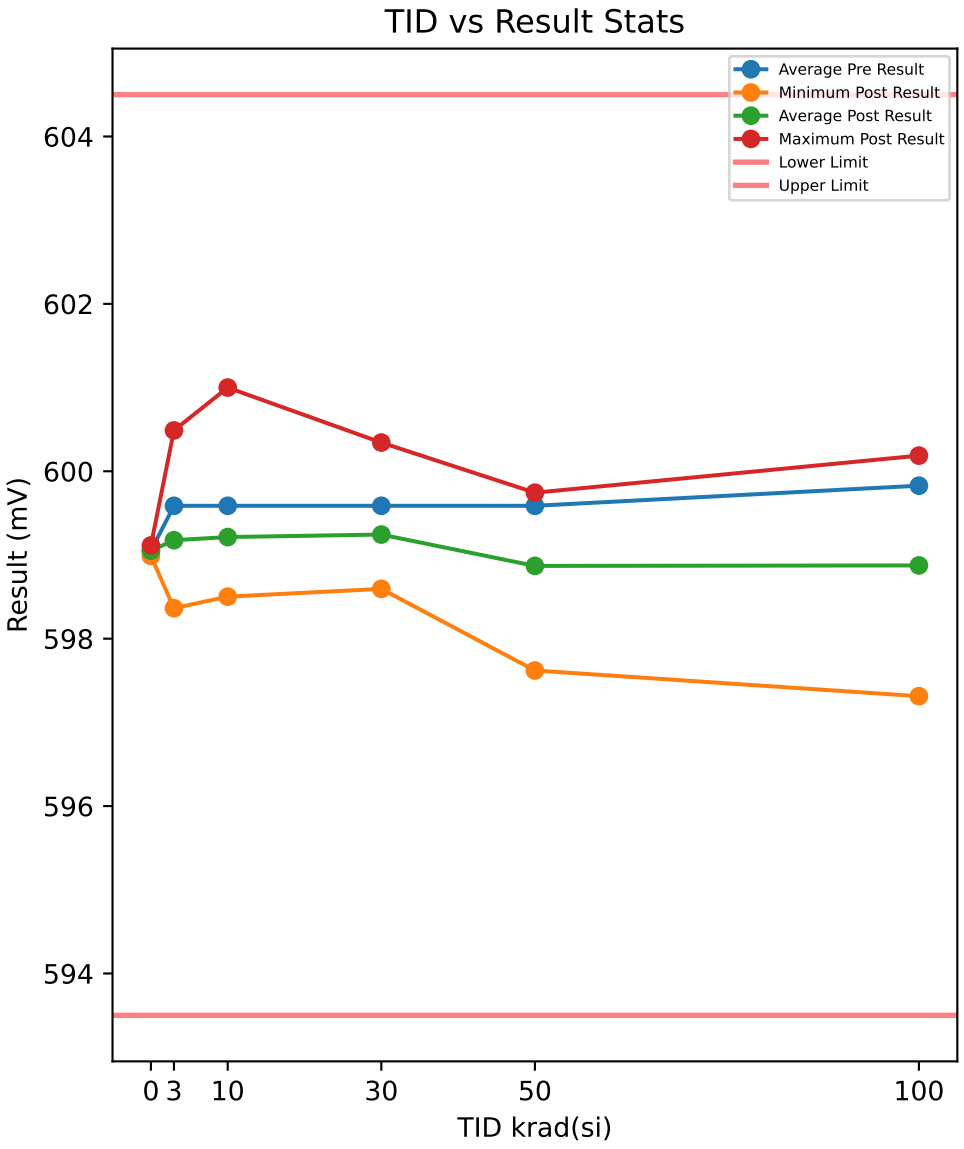

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.93 | 600.93 | 0 |
| 7 | 0 | Correlation | 600.43 | 600.43 | 0 |
| 16 | 3 | LDR-Biased | 600.9 | 599.06 | -1.841 |
| 18 | 3 | LDR-Biased | 600.78 | 600.81 | 0.033 |
| 19 | 3 | LDR-Biased | 601.15 | 600.93 | -0.216 |
| 20 | 3 | LDR-Biased | 599.4 | 599.43 | 0.033 |
| 21 | 3 | LDR-Biased | 600.78 | 601.18 | 0.407 |
| 22 | 3 | LDR-Unbiased | 600.28 | 600.56 | 0.283 |
| 23 | 3 | LDR-Unbiased | 599.4 | 600.81 | 1.408 |
| 25 | 3 | LDR-Unbiased | 599.9 | 600.06 | 0.158 |
| 26 | 3 | LDR-Unbiased | 600.53 | 601.18 | 0.657 |
| 27 | 3 | LDR-Unbiased | 603.02 | 600.56 | -2.465 |
| 46 | 10 | LDR-Biased | 600.9 | 599.68 | -1.221 |
| 48 | 10 | LDR-Biased | 600.78 | 599.93 | -0.847 |
| 49 | 10 | LDR-Biased | 601.15 | 601.55 | 0.403 |
| 50 | 10 | LDR-Biased | 599.4 | 600.18 | 0.778 |
| 51 | 10 | LDR-Biased | 600.78 | 599.55 | -1.222 |
| 52 | 10 | LDR-Unbiased | 600.28 | 599.93 | -0.347 |
| 53 | 10 | LDR-Unbiased | 599.4 | 601.05 | 1.652 |
| 55 | 10 | LDR-Unbiased | 599.9 | 599.93 | 0.028 |
| 56 | 10 | LDR-Unbiased | 600.53 | 599.93 | -0.597 |
| 57 | 10 | LDR-Unbiased | 603.02 | 600.55 | -2.47 |
| 76 | 30 | LDR-Biased | 600.9 | 598.83 | -2.068 |
| 78 | 30 | LDR-Biased | 600.78 | 599.71 | -1.07 |
| 79 | 30 | LDR-Biased | 601.15 | 600.08 | -1.07 |
| 80 | 30 | LDR-Biased | 599.4 | 599.71 | 0.305 |
| 81 | 30 | LDR-Biased | 600.78 | 600.83 | 0.054 |
| 82 | 30 | LDR-Unbiased | 600.28 | 600.21 | -0.071 |
| 83 | 30 | LDR-Unbiased | 599.4 | 600.58 | 1.179 |
| 84 | 30 | LDR-Unbiased | 603.02 | 600.46 | -2.569 |
| 85 | 30 | LDR-Unbiased | 599.9 | 600.96 | 1.053 |
| 86 | 30 | LDR-Unbiased | 600.53 | 600.83 | 0.304 |
| 87 | 100 | LDR-Biased | 600.15 | 599.9 | -0.25 |
| 88 | 100 | LDR-Biased | 601.28 | 599.78 | -1.499 |
| 90 | 100 | LDR-Biased | 600.28 | 600.03 | -0.25 |
| 91 | 100 | LDR-Unbiased | 599.9 | 601.53 | 1.624 |
| 93 | 100 | LDR-Unbiased | 599.65 | 600.9 | 1.249 |
| 94 | 100 | LDR-Unbiased | 601.53 | 598.9 | -2.624 |
| 95 | 100 | LDR-Unbiased | 599.78 | 599.28 | -0.5 |
| 96 | 100 | LDR-Unbiased | 601.28 | 599.03 | -2.249 |
| 106 | 50 | LDR-Biased | 600.9 | 598.84 | -2.064 |
| 108 | 50 | LDR-Biased | 600.78 | 600.34 | -0.441 |
| 109 | 50 | LDR-Biased | 601.15 | 600.34 | -0.815 |
| 110 | 50 | LDR-Biased | 599.4 | 599.71 | 0.309 |
| 111 | 50 | LDR-Biased | 600.78 | 600.09 | -0.691 |
| 112 | 50 | LDR-Unbiased | 600.28 | 599.84 | -0.441 |
| 113 | 50 | LDR-Unbiased | 599.4 | 600.96 | 1.558 |
| 115 | 50 | LDR-Unbiased | 599.9 | 600.59 | 0.683 |
| 116 | 50 | LDR-Unbiased | 600.53 | 600.59 | 0.058 |
| 117 | 50 | LDR-Unbiased | 603.02 | 599.34 | -3.689 |

Test Statistics (mV)

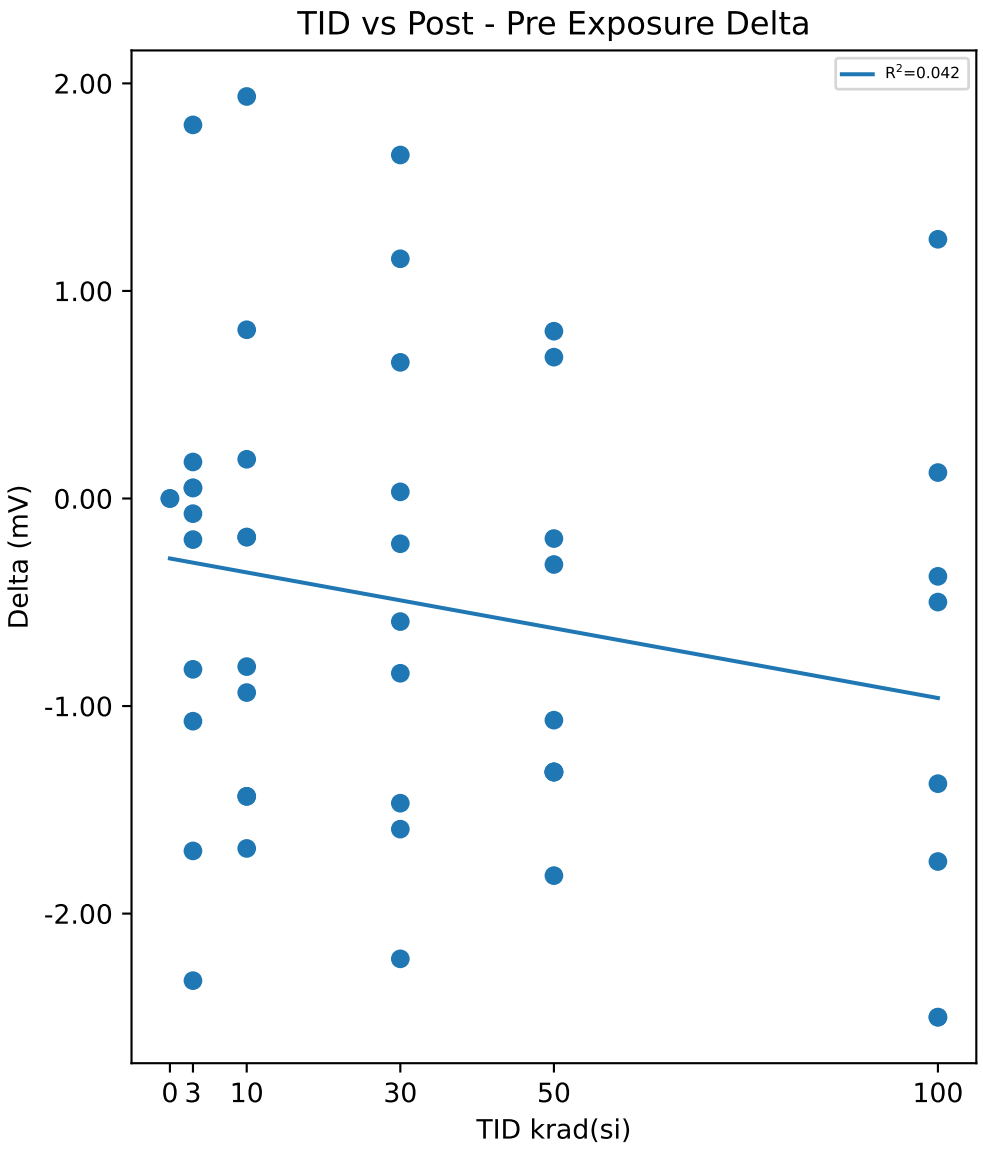
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.43 | 600.68 | 600.93 | 0.35355 | 600.43 | 600.68 | 600.93 | 0.35355 | 0 | 0 | 0 | 0 |
| 3 | 599.4 | 600.61 | 603.02 | 1.0436 | 599.06 | 600.46 | 601.18 | 0.72339 | -2.465 | -0.1543 | 1.408 | 1.1528 |
| 10 | 599.4 | 600.61 | 603.02 | 1.0436 | 599.55 | 600.23 | 601.55 | 0.63755 | -2.47 | -0.3843 | 1.652 | 1.169 |
| 30 | 599.4 | 600.61 | 603.02 | 1.0436 | 598.83 | 600.22 | 600.96 | 0.66186 | -2.569 | -0.3953 | 1.179 | 1.2603 |
| 50 | 599.4 | 600.61 | 603.02 | 1.0436 | 598.84 | 600.06 | 600.96 | 0.64171 | -3.689 | -0.5533 | 1.558 | 1.4656 |
| 100 | 599.65 | 600.48 | 601.53 | 0.75819 | 598.9 | 599.92 | 601.53 | 0.9119 | -2.624 | -0.56237 | 1.624 | 1.5228 |

# Device Test: 13.30 VTH_SENSE3_FALLING/SENSE3/1.6/14/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

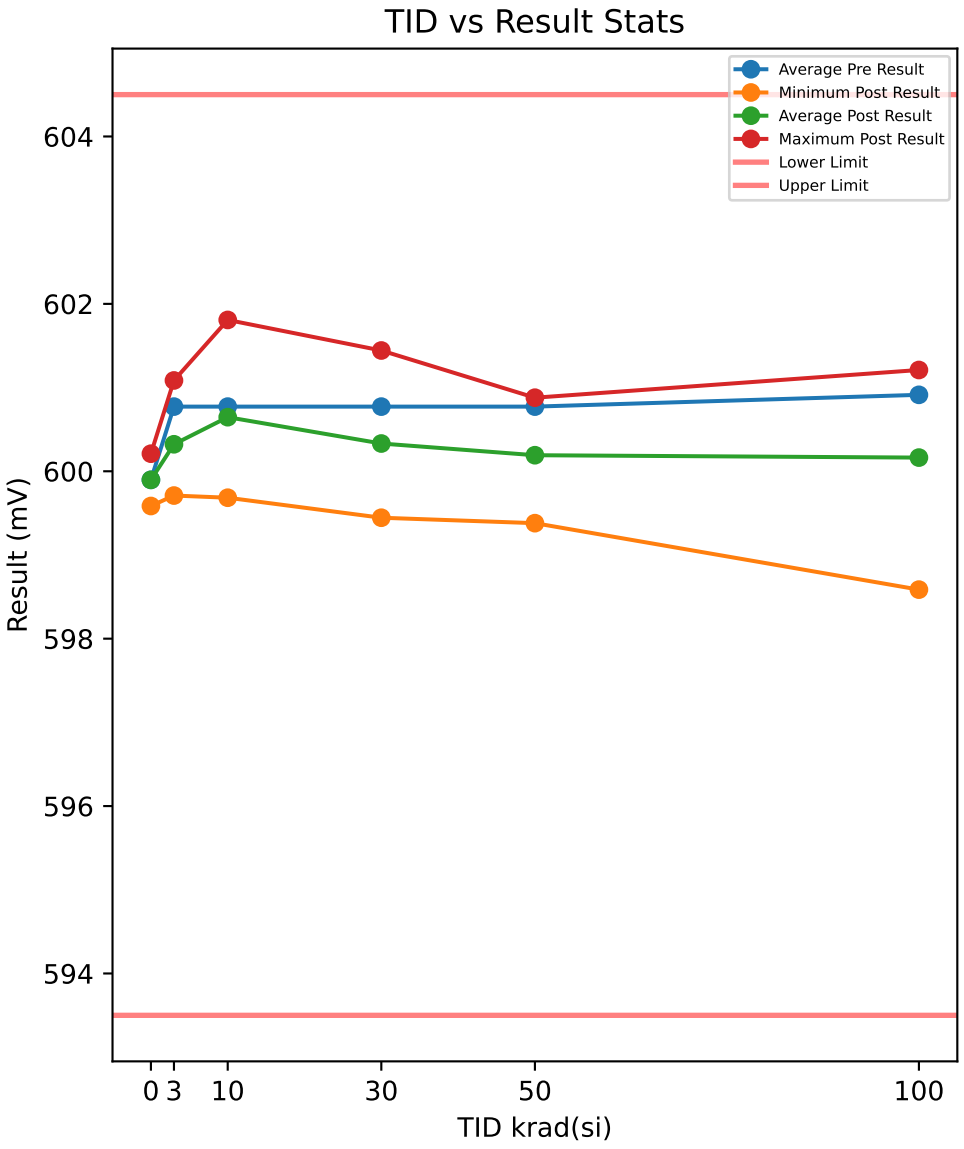
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.99 | 598.99 | 0 |
| 7 | 0 | Correlation | 599.11 | 599.11 | 0 |
| 16 | 3 | LDR-Biased | 600.44 | 599.61 | -0.823 |
| 18 | 3 | LDR-Biased | 599.56 | 599.36 | -0.198 |
| 19 | 3 | LDR-Biased | 601.06 | 598.74 | -2.323 |
| 20 | 3 | LDR-Biased | 599.44 | 598.36 | -1.073 |
| 21 | 3 | LDR-Biased | 599.19 | 599.36 | 0.176 |
| 22 | 3 | LDR-Unbiased | 598.44 | 598.49 | 0.051 |
| 23 | 3 | LDR-Unbiased | 599.44 | 599.36 | -0.073 |
| 25 | 3 | LDR-Unbiased | 598.69 | 600.49 | 1.8 |
| 26 | 3 | LDR-Unbiased | 599.06 | 599.11 | 0.051 |
| 27 | 3 | LDR-Unbiased | 600.56 | 598.86 | -1.698 |
| 46 | 10 | LDR-Biased | 600.44 | 599 | -1.435 |
| 48 | 10 | LDR-Biased | 599.56 | 599.38 | -0.186 |
| 49 | 10 | LDR-Biased | 601.06 | 599.38 | -1.686 |
| 50 | 10 | LDR-Biased | 599.44 | 598.5 | -0.935 |
| 51 | 10 | LDR-Biased | 599.19 | 599 | -0.186 |
| 52 | 10 | LDR-Unbiased | 598.44 | 598.63 | 0.189 |
| 53 | 10 | LDR-Unbiased | 599.44 | 598.63 | -0.81 |
| 55 | 10 | LDR-Unbiased | 598.69 | 599.5 | 0.813 |
| 56 | 10 | LDR-Unbiased | 599.06 | 601 | 1.937 |
| 57 | 10 | LDR-Unbiased | 600.56 | 599.13 | -1.435 |
| 76 | 30 | LDR-Biased | 600.44 | 598.84 | -1.593 |
| 78 | 30 | LDR-Biased | 599.56 | 599.59 | 0.032 |
| 79 | 30 | LDR-Biased | 601.06 | 598.84 | -2.218 |
| 80 | 30 | LDR-Biased | 599.44 | 598.6 | -0.842 |
| 81 | 30 | LDR-Biased | 599.19 | 598.6 | -0.593 |
| 82 | 30 | LDR-Unbiased | 598.44 | 599.09 | 0.656 |
| 83 | 30 | LDR-Unbiased | 599.44 | 599.22 | -0.218 |
| 84 | 30 | LDR-Unbiased | 600.56 | 599.09 | -1.468 |
| 85 | 30 | LDR-Unbiased | 598.69 | 600.34 | 1.655 |
| 86 | 30 | LDR-Unbiased | 599.06 | 600.22 | 1.155 |
| 87 | 100 | LDR-Biased | 599.56 | 599.69 | 0.125 |
| 88 | 100 | LDR-Biased | 600.56 | 598.81 | -1.749 |
| 90 | 100 | LDR-Biased | 599.56 | 599.06 | -0.499 |
| 91 | 100 | LDR-Unbiased | 600.06 | 599.69 | -0.375 |
| 93 | 100 | LDR-Unbiased | 598.94 | 600.19 | 1.249 |
| 94 | 100 | LDR-Unbiased | 599.81 | 597.31 | -2.499 |
| 95 | 100 | LDR-Unbiased | 599.44 | 598.06 | -1.374 |
| 96 | 100 | LDR-Unbiased | 600.69 | 598.19 | -2.499 |
| 106 | 50 | LDR-Biased | 600.44 | 599.12 | -1.318 |
| 108 | 50 | LDR-Biased | 599.56 | 599.37 | -0.193 |
| 109 | 50 | LDR-Biased | 601.06 | 599.74 | -1.318 |
| 110 | 50 | LDR-Biased | 599.44 | 598.12 | -1.317 |
| 111 | 50 | LDR-Biased | 599.19 | 598.12 | -1.068 |
| 112 | 50 | LDR-Unbiased | 598.44 | 599.12 | 0.681 |
| 113 | 50 | LDR-Unbiased | 599.44 | 597.62 | -1.817 |
| 115 | 50 | LDR-Unbiased | 598.69 | 599.49 | 0.806 |
| 116 | 50 | LDR-Unbiased | 599.06 | 598.75 | -0.318 |
| 117 | 50 | LDR-Unbiased | 600.56 | 599.24 | -1.318 |

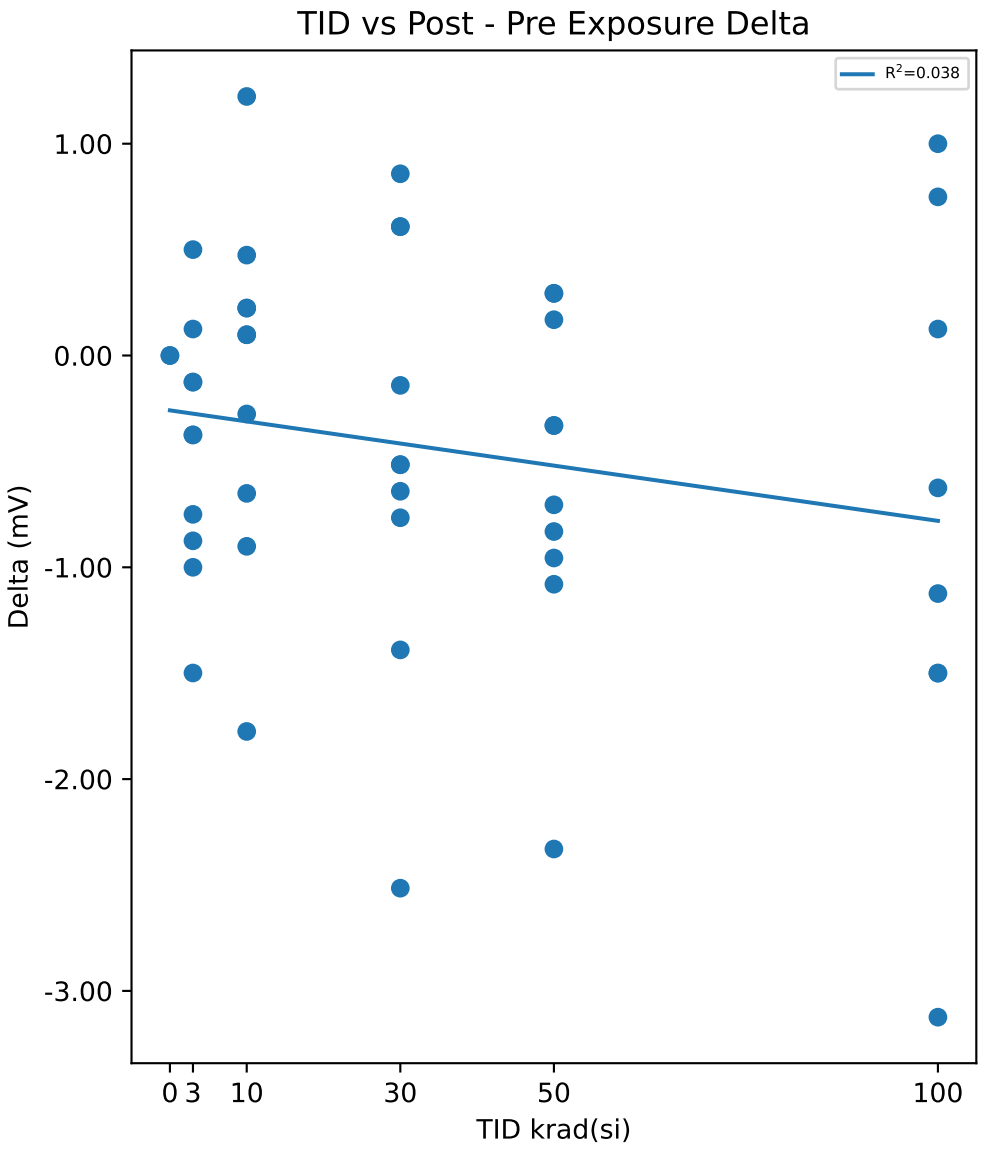



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.99 | 599.05 | 599.11 | 0.088388 | 598.99 | 599.05 | 599.11 | 0.088388 | 0 | 0 | 0 | 0 |
| 3 | 598.44 | 599.59 | 601.06 | 0.84699 | 598.36 | 599.18 | 600.49 | 0.61848 | -2.323 | -0.411 | 1.8 | 1.1421 |
| 10 | 598.44 | 599.59 | 601.06 | 0.84699 | 598.5 | 599.21 | 601 | 0.71633 | -1.686 | -0.3734 | 1.937 | 1.136 |
| 30 | 598.44 | 599.59 | 601.06 | 0.84699 | 598.6 | 599.24 | 600.34 | 0.62245 | -2.218 | -0.3434 | 1.655 | 1.2492 |
| 50 | 598.44 | 599.59 | 601.06 | 0.84699 | 597.62 | 598.87 | 599.74 | 0.69676 | -1.817 | -0.718 | 0.806 | 0.91193 |
| 100 | 598.94 | 599.83 | 600.69 | 0.58775 | 597.31 | 598.88 | 600.19 | 0.97471 | -2.499 | -0.95263 | 1.249 | 1.317 |

# Device Test: 13.31 VTH_SENSE4_RISING/SENSE4/1.6/14/0/0/0/@VTH_SENSE



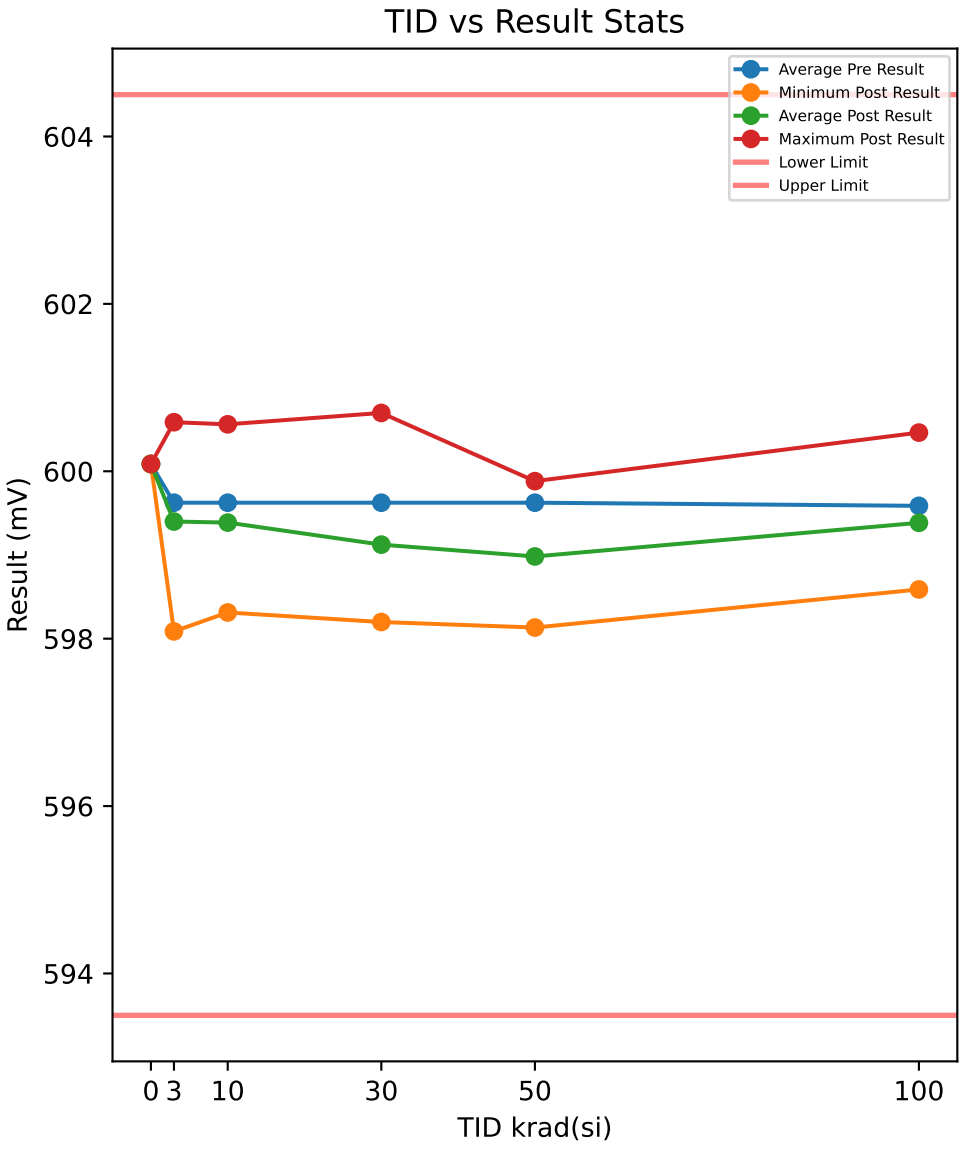

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.21 | 600.21 | 0 |
| 7 | 0 | Correlation | 599.59 | 599.59 | 0 |
| 16 | 3 | LDR-Biased | 600.59 | 600.71 | 0.125 |
| 18 | 3 | LDR-Biased | 601.34 | 600.59 | -0.75 |
| 19 | 3 | LDR-Biased | 602.58 | 601.09 | -1.499 |
| 20 | 3 | LDR-Biased | 599.96 | 599.84 | -0.126 |
| 21 | 3 | LDR-Biased | 600.09 | 599.96 | -0.125 |
| 22 | 3 | LDR-Unbiased | 600.09 | 599.71 | -0.375 |
| 23 | 3 | LDR-Unbiased | 600.84 | 599.84 | -1 |
| 25 | 3 | LDR-Unbiased | 600.59 | 601.09 | 0.5 |
| 26 | 3 | LDR-Unbiased | 601.09 | 600.71 | -0.375 |
| 27 | 3 | LDR-Unbiased | 600.59 | 599.71 | -0.875 |
| 46 | 10 | LDR-Biased | 600.59 | 601.06 | 0.474 |
| 48 | 10 | LDR-Biased | 601.34 | 600.68 | -0.651 |
| 49 | 10 | LDR-Biased | 602.58 | 600.81 | -1.775 |
| 50 | 10 | LDR-Biased | 599.96 | 600.06 | 0.098 |
| 51 | 10 | LDR-Biased | 600.09 | 600.31 | 0.224 |
| 52 | 10 | LDR-Unbiased | 600.09 | 600.31 | 0.224 |
| 53 | 10 | LDR-Unbiased | 600.84 | 600.56 | -0.276 |
| 55 | 10 | LDR-Unbiased | 600.59 | 601.81 | 1.223 |
| 56 | 10 | LDR-Unbiased | 601.09 | 601.18 | 0.098 |
| 57 | 10 | LDR-Unbiased | 600.59 | 599.68 | -0.901 |
| 76 | 30 | LDR-Biased | 600.59 | 600.44 | -0.141 |
| 78 | 30 | LDR-Biased | 601.34 | 600.57 | -0.766 |
| 79 | 30 | LDR-Biased | 602.58 | 600.07 | -2.515 |
| 80 | 30 | LDR-Biased | 599.96 | 600.57 | 0.608 |
| 81 | 30 | LDR-Biased | 600.09 | 600.69 | 0.609 |
| 82 | 30 | LDR-Unbiased | 600.09 | 599.57 | -0.515 |
| 83 | 30 | LDR-Unbiased | 600.84 | 599.45 | -1.39 |
| 84 | 30 | LDR-Unbiased | 600.59 | 600.07 | -0.516 |
| 85 | 30 | LDR-Unbiased | 600.59 | 601.44 | 0.858 |
| 86 | 30 | LDR-Unbiased | 601.09 | 600.44 | -0.641 |
| 87 | 100 | LDR-Biased | 600.84 | 600.96 | 0.125 |
| 88 | 100 | LDR-Biased | 601.84 | 600.34 | -1.5 |
| 90 | 100 | LDR-Biased | 600.71 | 599.59 | -1.124 |
| 91 | 100 | LDR-Unbiased | 600.21 | 601.21 | 1 |
| 93 | 100 | LDR-Unbiased | 601.21 | 600.59 | -0.625 |
| 94 | 100 | LDR-Unbiased | 601.71 | 598.59 | -3.124 |
| 95 | 100 | LDR-Unbiased | 599.34 | 600.09 | 0.749 |
| 96 | 100 | LDR-Unbiased | 601.46 | 599.96 | -1.499 |
| 106 | 50 | LDR-Biased | 600.59 | 600.88 | 0.294 |
| 108 | 50 | LDR-Biased | 601.34 | 600.5 | -0.831 |
| 109 | 50 | LDR-Biased | 602.58 | 600.25 | -2.33 |
| 110 | 50 | LDR-Biased | 599.96 | 600.25 | 0.293 |
| 111 | 50 | LDR-Biased | 600.09 | 599.38 | -0.705 |
| 112 | 50 | LDR-Unbiased | 600.09 | 599.75 | -0.33 |
| 113 | 50 | LDR-Unbiased | 600.84 | 599.75 | -1.08 |
| 115 | 50 | LDR-Unbiased | 600.59 | 600.75 | 0.169 |
| 116 | 50 | LDR-Unbiased | 601.09 | 600.13 | -0.956 |
| 117 | 50 | LDR-Unbiased | 600.59 | 600.25 | -0.331 |

Test Statistics (mV)

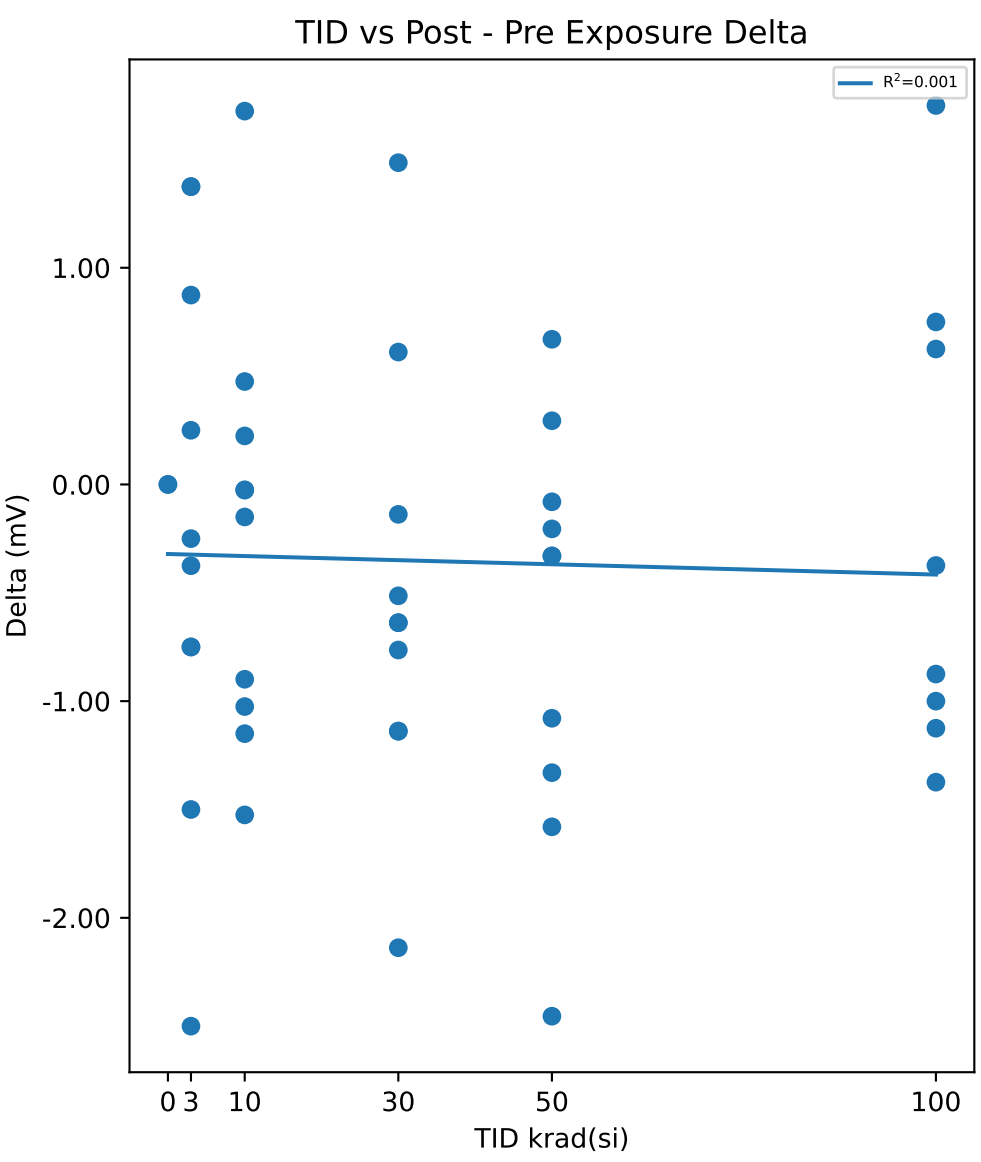
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.59 | 599.9 | 600.21 | 0.44194 | 599.59 | 599.9 | 600.21 | 0.44194 | 0 | 0 | 0 | 0 |
| 3 | 599.96 | 600.77 | 602.58 | 0.77523 | 599.71 | 600.32 | 601.09 | 0.56657 | -1.499 | -0.45 | 0.5 | 0.58959 |
| 10 | 599.96 | 600.77 | 602.58 | 0.77523 | 599.68 | 600.65 | 601.81 | 0.60936 | -1.775 | -0.1262 | 1.223 | 0.82618 |
| 30 | 599.96 | 600.77 | 602.58 | 0.77523 | 599.45 | 600.33 | 601.44 | 0.57817 | -2.515 | -0.4409 | 0.858 | 1.0187 |
| 50 | 599.96 | 600.77 | 602.58 | 0.77523 | 599.38 | 600.19 | 600.88 | 0.46451 | -2.33 | -0.5807 | 0.294 | 0.79889 |
| 100 | 599.34 | 600.91 | 601.84 | 0.83676 | 598.59 | 600.16 | 601.21 | 0.82858 | -3.124 | -0.74975 | 1 | 1.3622 |

# Device Test: 13.32 VTH_SENSE4_FALLING/SENSE4/1.6/14/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

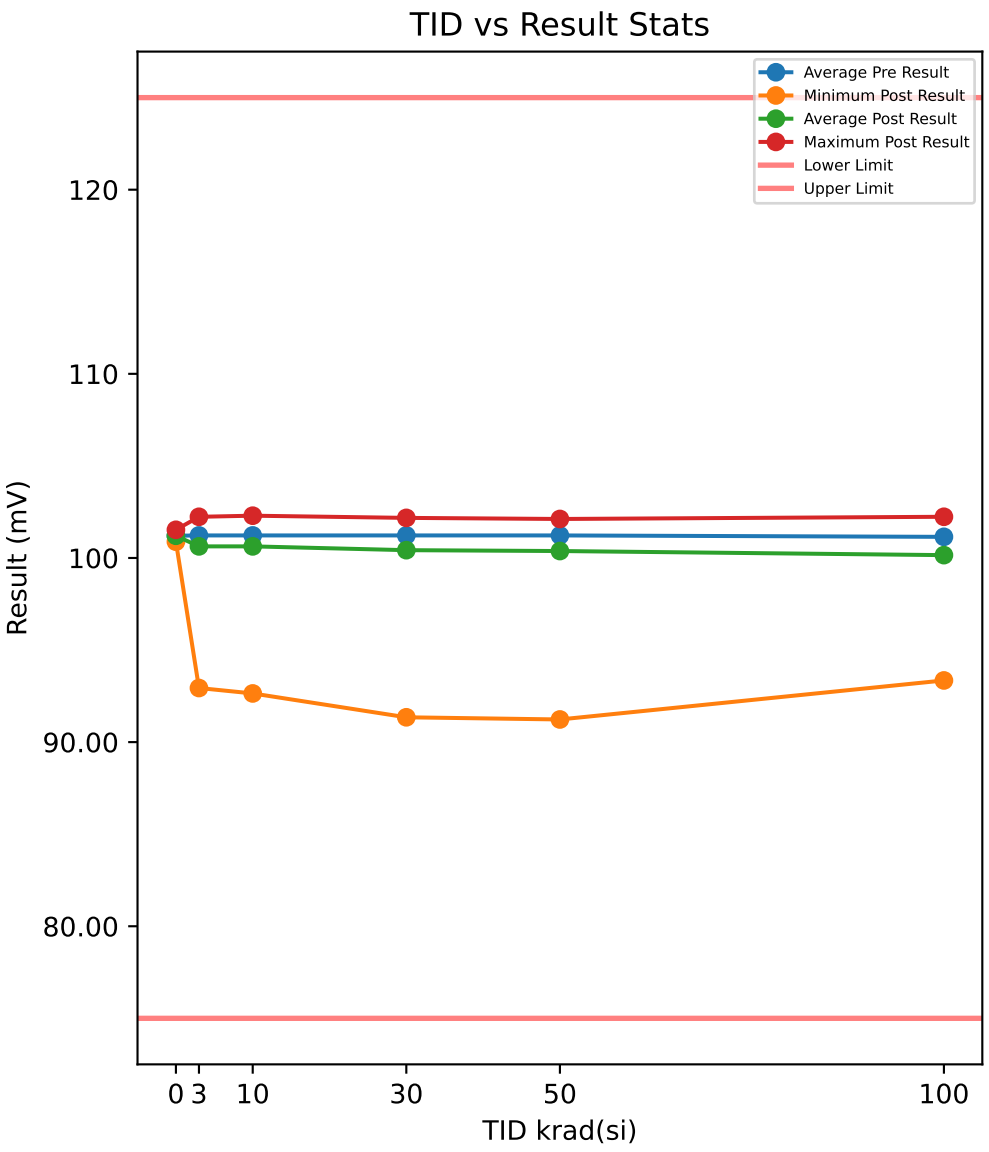
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.09 | 600.09 | 0 |
| 7 | 0 | Correlation | 600.09 | 600.09 | 0 |
| 16 | 3 | LDR-Biased | 599.84 | 600.09 | 0.25 |
| 18 | 3 | LDR-Biased | 598.84 | 600.21 | 1.375 |
| 19 | 3 | LDR-Biased | 600.59 | 599.84 | -0.75 |
| 20 | 3 | LDR-Biased | 599.21 | 598.84 | -0.375 |
| 21 | 3 | LDR-Biased | 599.21 | 598.96 | -0.25 |
| 22 | 3 | LDR-Unbiased | 600.46 | 599.71 | -0.75 |
| 23 | 3 | LDR-Unbiased | 599.59 | 598.09 | -1.5 |
| 25 | 3 | LDR-Unbiased | 599.21 | 600.59 | 1.374 |
| 26 | 3 | LDR-Unbiased | 598.71 | 599.59 | 0.874 |
| 27 | 3 | LDR-Unbiased | 600.59 | 598.09 | -2.5 |
| 46 | 10 | LDR-Biased | 599.84 | 600.06 | 0.224 |
| 48 | 10 | LDR-Biased | 598.84 | 598.69 | -0.15 |
| 49 | 10 | LDR-Biased | 600.59 | 600.56 | -0.026 |
| 50 | 10 | LDR-Biased | 599.21 | 599.19 | -0.025 |
| 51 | 10 | LDR-Biased | 599.21 | 598.31 | -0.899 |
| 52 | 10 | LDR-Unbiased | 600.46 | 599.31 | -1.15 |
| 53 | 10 | LDR-Unbiased | 599.59 | 598.56 | -1.025 |
| 55 | 10 | LDR-Unbiased | 599.21 | 599.69 | 0.475 |
| 56 | 10 | LDR-Unbiased | 598.71 | 600.44 | 1.723 |
| 57 | 10 | LDR-Unbiased | 600.59 | 599.06 | -1.525 |
| 76 | 30 | LDR-Biased | 599.84 | 598.7 | -1.138 |
| 78 | 30 | LDR-Biased | 598.84 | 599.45 | 0.611 |
| 79 | 30 | LDR-Biased | 600.59 | 599.45 | -1.139 |
| 80 | 30 | LDR-Biased | 599.21 | 599.07 | -0.138 |
| 81 | 30 | LDR-Biased | 599.21 | 598.57 | -0.638 |
| 82 | 30 | LDR-Unbiased | 600.46 | 599.7 | -0.764 |
| 83 | 30 | LDR-Unbiased | 599.59 | 598.95 | -0.638 |
| 84 | 30 | LDR-Unbiased | 600.59 | 598.45 | -2.138 |
| 85 | 30 | LDR-Unbiased | 599.21 | 600.7 | 1.485 |
| 86 | 30 | LDR-Unbiased | 598.71 | 598.2 | -0.514 |
| 87 | 100 | LDR-Biased | 599.21 | 599.84 | 0.625 |
| 88 | 100 | LDR-Biased | 600.09 | 599.09 | -1 |
| 90 | 100 | LDR-Biased | 600.21 | 599.34 | -0.875 |
| 91 | 100 | LDR-Unbiased | 600.34 | 599.21 | -1.125 |
| 93 | 100 | LDR-Unbiased | 598.71 | 600.46 | 1.749 |
| 94 | 100 | LDR-Unbiased | 598.96 | 598.59 | -0.374 |
| 95 | 100 | LDR-Unbiased | 599.09 | 599.84 | 0.75 |
| 96 | 100 | LDR-Unbiased | 600.09 | 598.71 | -1.374 |
| 106 | 50 | LDR-Biased | 599.84 | 599.51 | -0.33 |
| 108 | 50 | LDR-Biased | 598.84 | 598.76 | -0.08 |
| 109 | 50 | LDR-Biased | 600.59 | 599.26 | -1.33 |
| 110 | 50 | LDR-Biased | 599.21 | 598.88 | -0.33 |
| 111 | 50 | LDR-Biased | 599.21 | 599.01 | -0.205 |
| 112 | 50 | LDR-Unbiased | 600.46 | 598.88 | -1.58 |
| 113 | 50 | LDR-Unbiased | 599.59 | 598.51 | -1.079 |
| 115 | 50 | LDR-Unbiased | 599.21 | 599.88 | 0.67 |
| 116 | 50 | LDR-Unbiased | 598.71 | 599.01 | 0.294 |
| 117 | 50 | LDR-Unbiased | 600.59 | 598.13 | -2.454 |

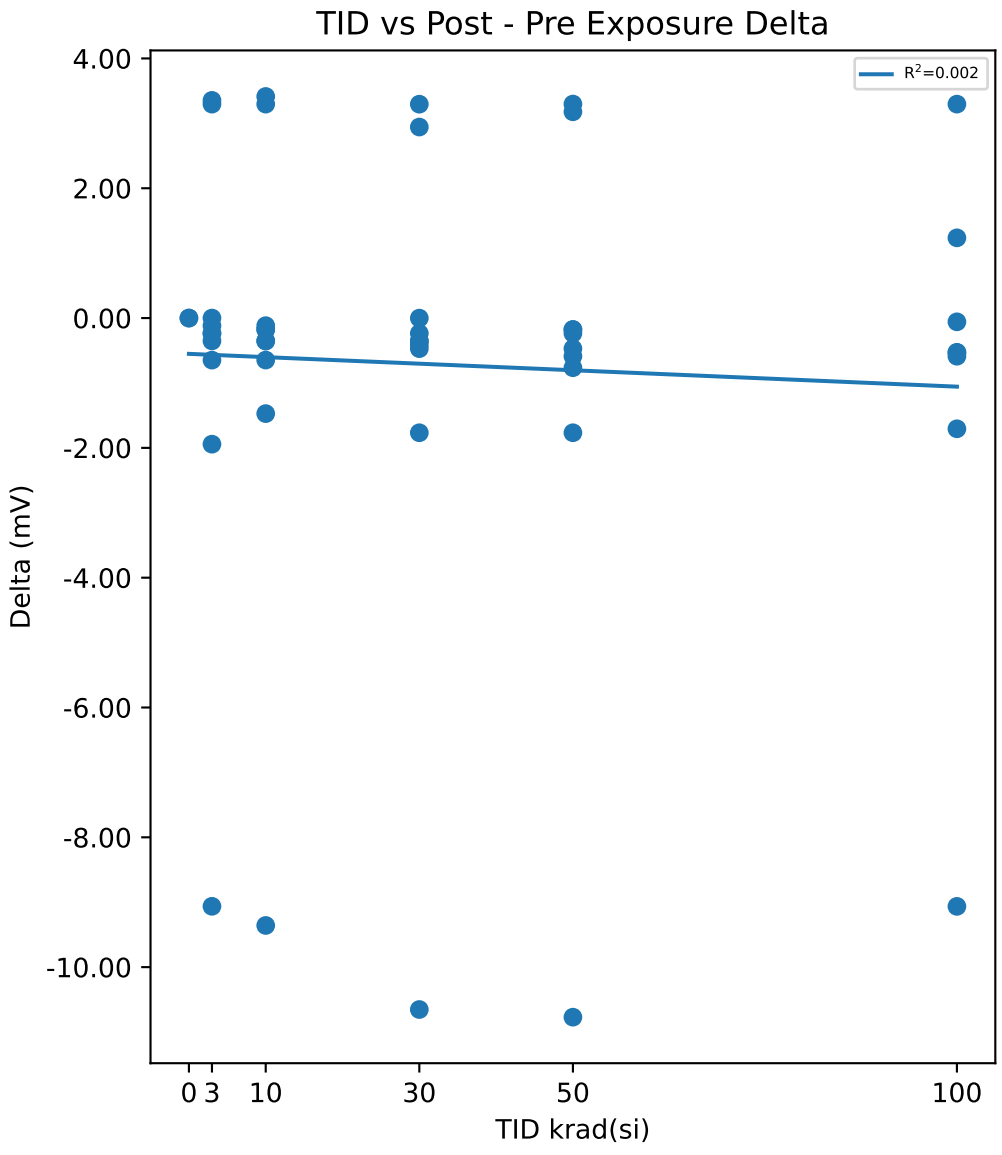



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.09 | 600.09 | 600.09 | 0 | 600.09 | 600.09 | 600.09 | 0 | 0 | 0 | 0 | 0 |
| 3 | 598.71 | 599.62 | 600.59 | 0.71198 | 598.09 | 599.4 | 600.59 | 0.87037 | -2.5 | -0.2252 | 1.375 | 1.2439 |
| 10 | 598.71 | 599.62 | 600.59 | 0.71198 | 598.31 | 599.39 | 600.56 | 0.78162 | -1.525 | -0.2378 | 1.723 | 0.95509 |
| 30 | 598.71 | 599.62 | 600.59 | 0.71198 | 598.2 | 599.12 | 600.7 | 0.73343 | -2.138 | -0.5011 | 1.485 | 0.9951 |
| 50 | 598.71 | 599.62 | 600.59 | 0.71198 | 598.13 | 598.98 | 599.88 | 0.492 | -2.454 | -0.6424 | 0.67 | 0.95023 |
| 100 | 598.71 | 599.59 | 600.34 | 0.65446 | 598.59 | 599.38 | 600.46 | 0.62978 | -1.374 | -0.203 | 1.749 | 1.1175 |

# Device Test: 13.33 VTH_UP_HYS/UP/1.6/14/0/0/0/@UP_DOWN_VHYS



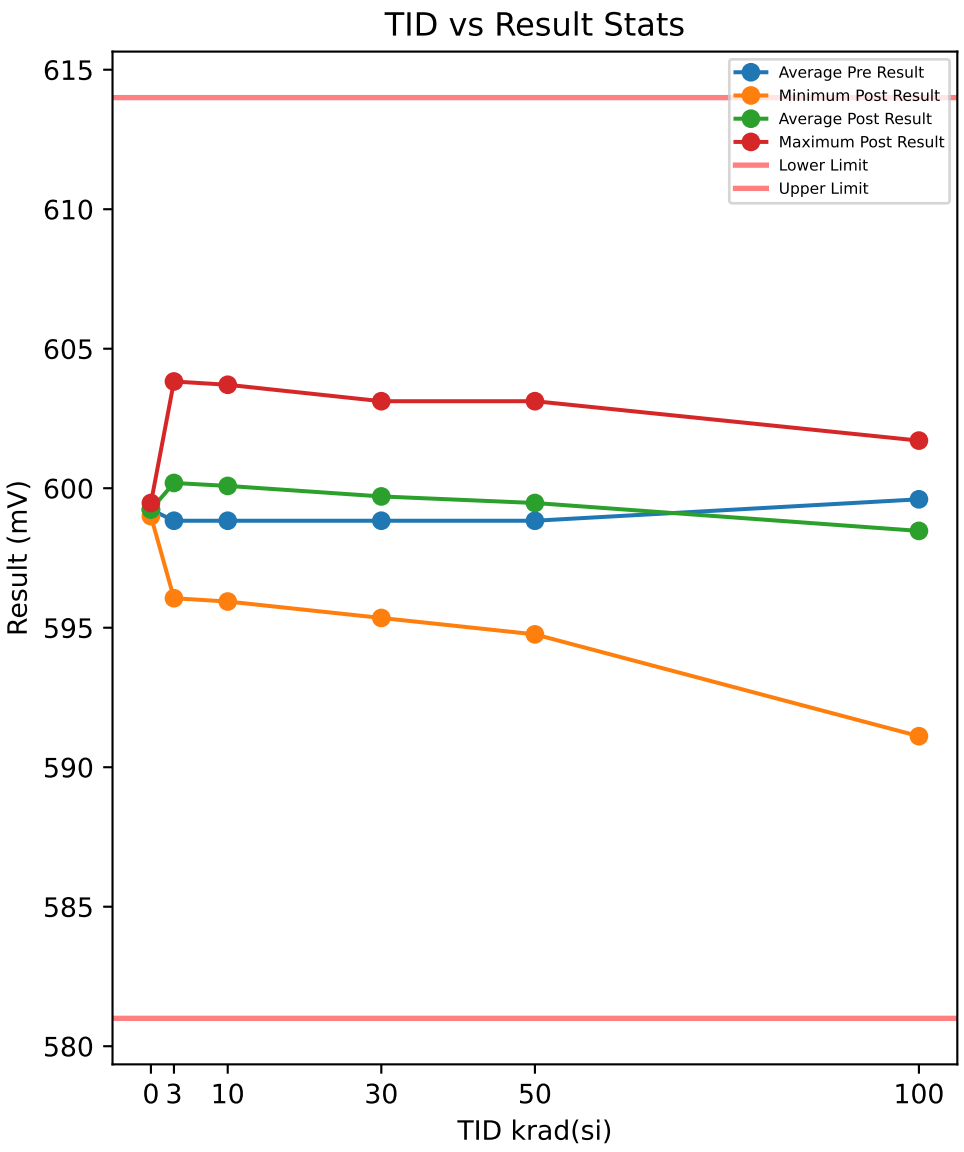

Test Results (Lower Limit = 75.0, Upper Limit = 125.0 (mV))

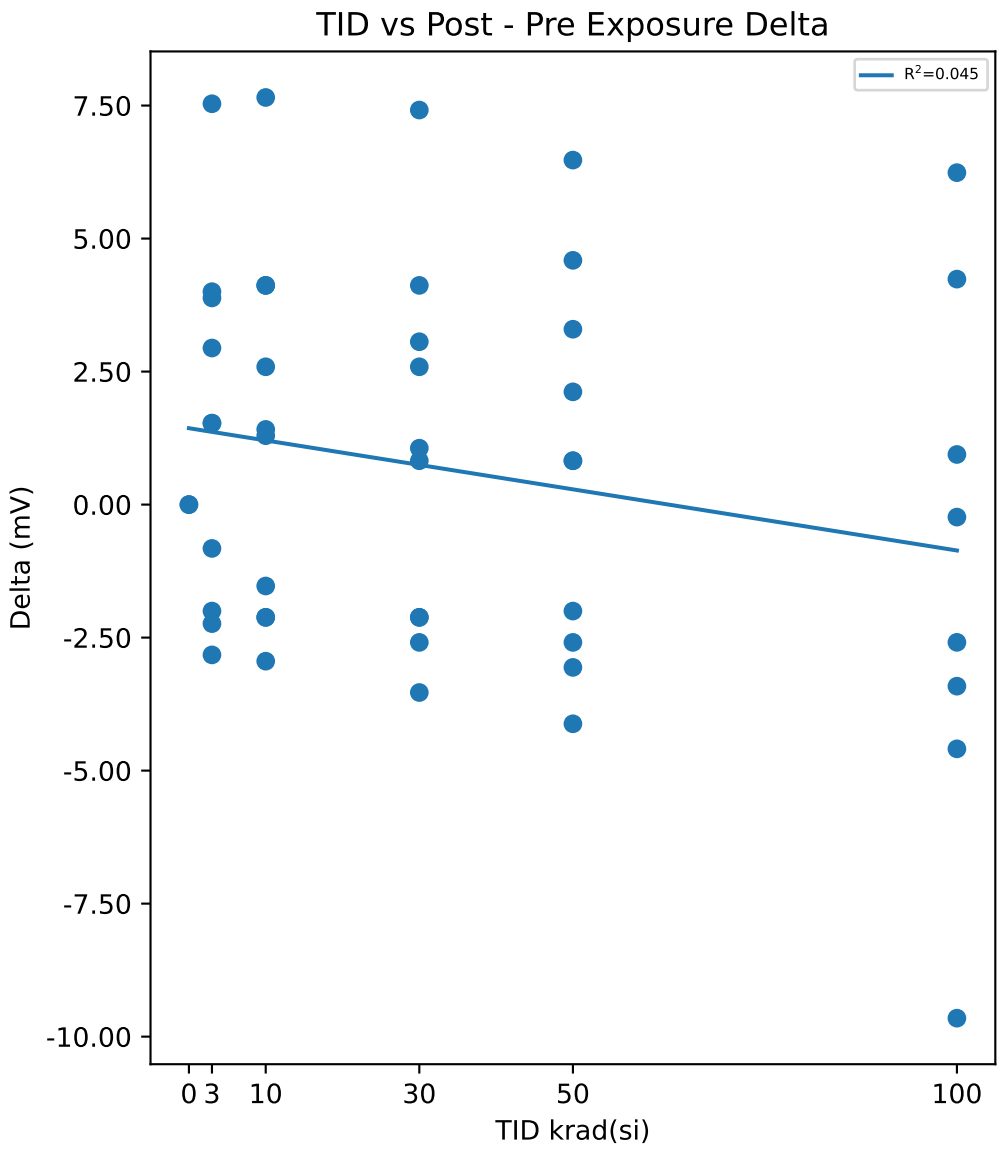
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 101.53 | 101.53 | 0 |
| 7 | 0 | Correlation | 100.88 | 100.88 | 0 |
| 16 | 3 | LDR-Biased | 102.3 | 101.94 | -0.352 |
| 18 | 3 | LDR-Biased | 102.3 | 101.65 | -0.648 |
| 19 | 3 | LDR-Biased | 102.18 | 101.94 | -0.236 |
| 20 | 3 | LDR-Biased | 101.94 | 100 | -1.943 |
| 21 | 3 | LDR-Biased | 98.705 | 102 | 3.296 |
| 22 | 3 | LDR-Unbiased | 102 | 101.88 | -0.118 |
| 23 | 3 | LDR-Unbiased | 98.882 | 102.24 | 3.354 |
| 25 | 3 | LDR-Unbiased | 99.823 | 99.588 | -0.235 |
| 26 | 3 | LDR-Unbiased | 102 | 92.938 | -9.063 |
| 27 | 3 | LDR-Unbiased | 102.12 | 102.12 | 0 |
| 46 | 10 | LDR-Biased | 102.3 | 101.94 | -0.352 |
| 48 | 10 | LDR-Biased | 102.3 | 101.94 | -0.353 |
| 49 | 10 | LDR-Biased | 102.18 | 102 | -0.177 |
| 50 | 10 | LDR-Biased | 101.94 | 100.47 | -1.472 |
| 51 | 10 | LDR-Biased | 98.705 | 102 | 3.296 |
| 52 | 10 | LDR-Unbiased | 102 | 101.83 | -0.176 |
| 53 | 10 | LDR-Unbiased | 98.882 | 102.3 | 3.414 |
| 55 | 10 | LDR-Unbiased | 99.823 | 99.706 | -0.117 |
| 56 | 10 | LDR-Unbiased | 102 | 92.643 | -9.358 |
| 57 | 10 | LDR-Unbiased | 102.12 | 101.47 | -0.647 |
| 76 | 30 | LDR-Biased | 102.3 | 102.06 | -0.235 |
| 78 | 30 | LDR-Biased | 102.3 | 101.83 | -0.471 |
| 79 | 30 | LDR-Biased | 102.18 | 102.18 | -0.001 |
| 80 | 30 | LDR-Biased | 101.94 | 100.18 | -1.767 |
| 81 | 30 | LDR-Biased | 98.705 | 101.65 | 2.943 |
| 82 | 30 | LDR-Unbiased | 102 | 101.59 | -0.412 |
| 83 | 30 | LDR-Unbiased | 98.882 | 102.18 | 3.295 |
| 84 | 30 | LDR-Unbiased | 102.12 | 101.77 | -0.353 |
| 85 | 30 | LDR-Unbiased | 99.823 | 99.47 | -0.353 |
| 86 | 30 | LDR-Unbiased | 102 | 91.348 | -10.653 |
| 87 | 100 | LDR-Biased | 97.469 | 98.705 | 1.236 |
| 88 | 100 | LDR-Biased | 102.18 | 101.59 | -0.588 |
| 90 | 100 | LDR-Biased | 101.94 | 101.41 | -0.53 |
| 91 | 100 | LDR-Unbiased | 102 | 100.3 | -1.706 |
| 93 | 100 | LDR-Unbiased | 98.705 | 102 | 3.296 |
| 94 | 100 | LDR-Unbiased | 102.18 | 101.65 | -0.529 |
| 95 | 100 | LDR-Unbiased | 102.41 | 93.349 | -9.064 |
| 96 | 100 | LDR-Unbiased | 102.3 | 102.24 | -0.058 |
| 106 | 50 | LDR-Biased | 102.3 | 102.12 | -0.177 |
| 108 | 50 | LDR-Biased | 102.3 | 101.83 | -0.471 |
| 109 | 50 | LDR-Biased | 102.18 | 101.41 | -0.765 |
| 110 | 50 | LDR-Biased | 101.94 | 100.18 | -1.767 |
| 111 | 50 | LDR-Biased | 98.705 | 102 | 3.297 |
| 112 | 50 | LDR-Unbiased | 102 | 101.77 | -0.235 |
| 113 | 50 | LDR-Unbiased | 98.882 | 102.06 | 3.178 |
| 115 | 50 | LDR-Unbiased | 99.823 | 99.235 | -0.588 |
| 116 | 50 | LDR-Unbiased | 102 | 91.23 | -10.771 |
| 117 | 50 | LDR-Unbiased | 102.12 | 101.94 | -0.177 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 100.88 | 101.21 | 101.53 | 0.4575 | 100.88 | 101.21 | 101.53 | 0.4575 | 0 | 0 | 0 | 0 |
| 3 | 98.705 | 101.22 | 102.3 | 1.4729 | 92.938 | 100.63 | 102.24 | 2.8553 | -9.063 | -0.5945 | 3.354 | 3.4183 |
| 10 | 98.705 | 101.22 | 102.3 | 1.4729 | 92.643 | 100.63 | 102.3 | 2.921 | -9.358 | -0.5942 | 3.414 | 3.4876 |
| 30 | 98.705 | 101.22 | 102.3 | 1.4729 | 91.348 | 100.42 | 102.18 | 3.3131 | -10.653 | -0.8007 | 3.295 | 3.8066 |
| 50 | 98.705 | 101.22 | 102.3 | 1.4729 | 91.23 | 100.38 | 102.12 | 3.351 | -10.771 | -0.8476 | 3.297 | 3.8614 |
| 100 | 97.469 | 101.15 | 102.41 | 1.9234 | 93.349 | 100.15 | 102.24 | 2.9774 | -9.064 | -0.99288 | 3.296 | 3.5953 |

# Device Test: 13.34 VTH_UP_RISING/UP/7/14/0/0/0/@VTH_UP



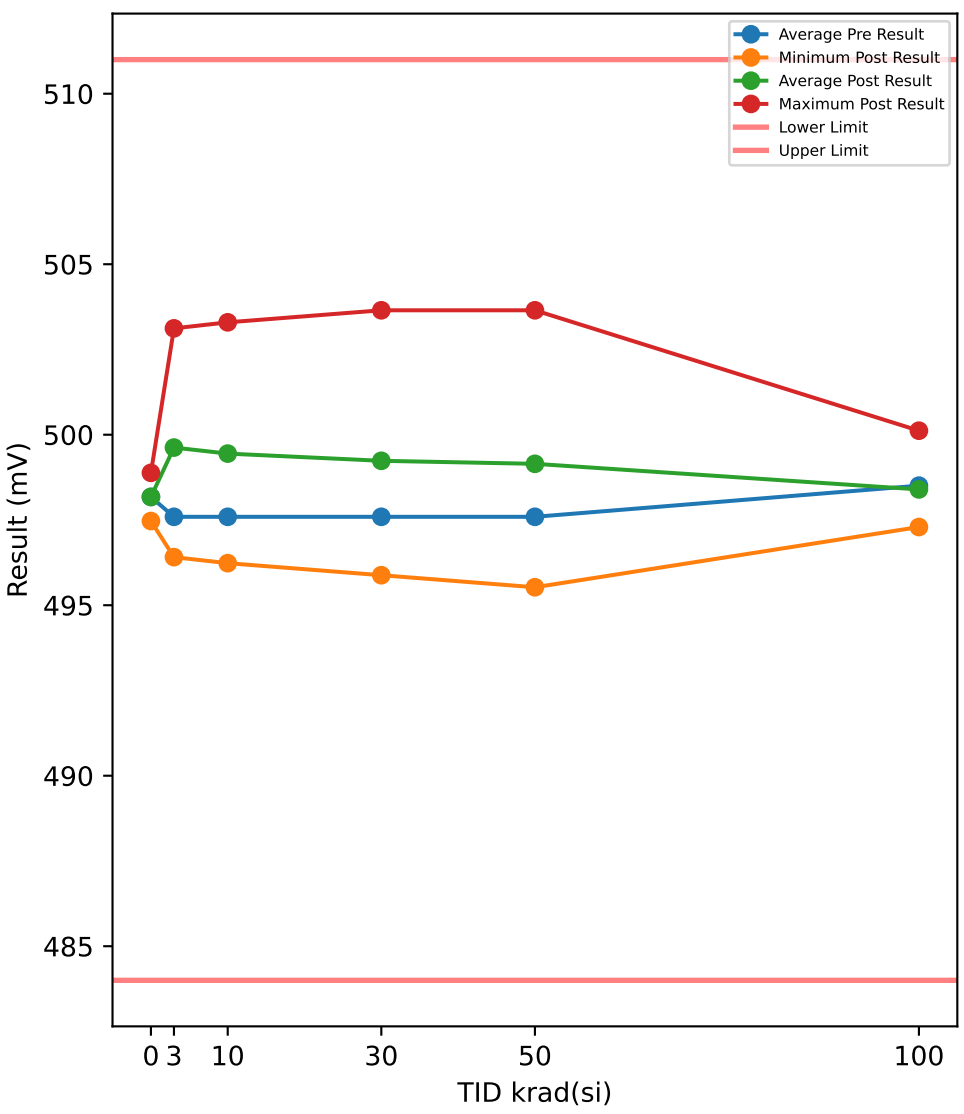

Test Results (Lower Limit = 581.0, Upper Limit = 614.0 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599 | 599 | 0 |
| 7 | 0 | Correlation | 599.47 | 599.47 | 0 |
| 16 | 3 | LDR-Biased | 602.29 | 603.83 | 1.531 |
| 18 | 3 | LDR-Biased | 603.47 | 601.24 | -2.237 |
| 19 | 3 | LDR-Biased | 604.06 | 602.06 | -2.001 |
| 20 | 3 | LDR-Biased | 599.12 | 600.65 | 1.53 |
| 21 | 3 | LDR-Biased | 595.47 | 598.41 | 2.943 |
| 22 | 3 | LDR-Unbiased | 595.35 | 602.88 | 7.534 |
| 23 | 3 | LDR-Unbiased | 595.12 | 599 | 3.884 |
| 25 | 3 | LDR-Unbiased | 595 | 599 | 4.002 |
| 26 | 3 | LDR-Unbiased | 598.88 | 596.06 | -2.825 |
| 27 | 3 | LDR-Unbiased | 599.59 | 598.76 | -0.824 |
| 46 | 10 | LDR-Biased | 602.29 | 603.71 | 1.413 |
| 48 | 10 | LDR-Biased | 603.47 | 601.35 | -2.119 |
| 49 | 10 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 50 | 10 | LDR-Biased | 599.12 | 600.41 | 1.295 |
| 51 | 10 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 52 | 10 | LDR-Unbiased | 595.35 | 603 | 7.652 |
| 53 | 10 | LDR-Unbiased | 595.12 | 599.24 | 4.12 |
| 55 | 10 | LDR-Unbiased | 595 | 599.12 | 4.12 |
| 56 | 10 | LDR-Unbiased | 598.88 | 595.94 | -2.943 |
| 57 | 10 | LDR-Unbiased | 599.59 | 598.06 | -1.53 |
| 76 | 30 | LDR-Biased | 602.29 | 603.12 | 0.824 |
| 78 | 30 | LDR-Biased | 603.47 | 600.88 | -2.59 |
| 79 | 30 | LDR-Biased | 604.06 | 601.94 | -2.119 |
| 80 | 30 | LDR-Biased | 599.12 | 600.18 | 1.06 |
| 81 | 30 | LDR-Biased | 595.47 | 598.06 | 2.59 |
| 82 | 30 | LDR-Unbiased | 595.35 | 602.77 | 7.416 |
| 83 | 30 | LDR-Unbiased | 595.12 | 599.24 | 4.12 |
| 84 | 30 | LDR-Unbiased | 599.59 | 597.47 | -2.119 |
| 85 | 30 | LDR-Unbiased | 595 | 598.06 | 3.061 |
| 86 | 30 | LDR-Unbiased | 598.88 | 595.35 | -3.532 |
| 87 | 100 | LDR-Biased | 597.59 | 598.53 | 0.942 |
| 88 | 100 | LDR-Biased | 602.29 | 598.88 | -3.413 |
| 90 | 100 | LDR-Biased | 603.47 | 598.88 | -4.591 |
| 91 | 100 | LDR-Unbiased | 595.35 | 599.59 | 4.238 |
| 93 | 100 | LDR-Unbiased | 595.47 | 601.71 | 6.239 |
| 94 | 100 | LDR-Unbiased | 602.29 | 599.71 | -2.589 |
| 95 | 100 | LDR-Unbiased | 600.76 | 591.11 | -9.653 |
| 96 | 100 | LDR-Unbiased | 599.59 | 599.35 | -0.235 |
| 106 | 50 | LDR-Biased | 602.29 | 603.12 | 0.824 |
| 108 | 50 | LDR-Biased | 603.47 | 600.88 | -2.59 |
| 109 | 50 | LDR-Biased | 604.06 | 601 | -3.06 |
| 110 | 50 | LDR-Biased | 599.12 | 599.94 | 0.824 |
| 111 | 50 | LDR-Biased | 595.47 | 597.59 | 2.119 |
| 112 | 50 | LDR-Unbiased | 595.35 | 601.83 | 6.475 |
| 113 | 50 | LDR-Unbiased | 595.12 | 599.71 | 4.591 |
| 115 | 50 | LDR-Unbiased | 595 | 598.29 | 3.296 |
| 116 | 50 | LDR-Unbiased | 598.88 | 594.76 | -4.12 |
| 117 | 50 | LDR-Unbiased | 599.59 | 597.59 | -2.001 |

## Test Statistics (mV)

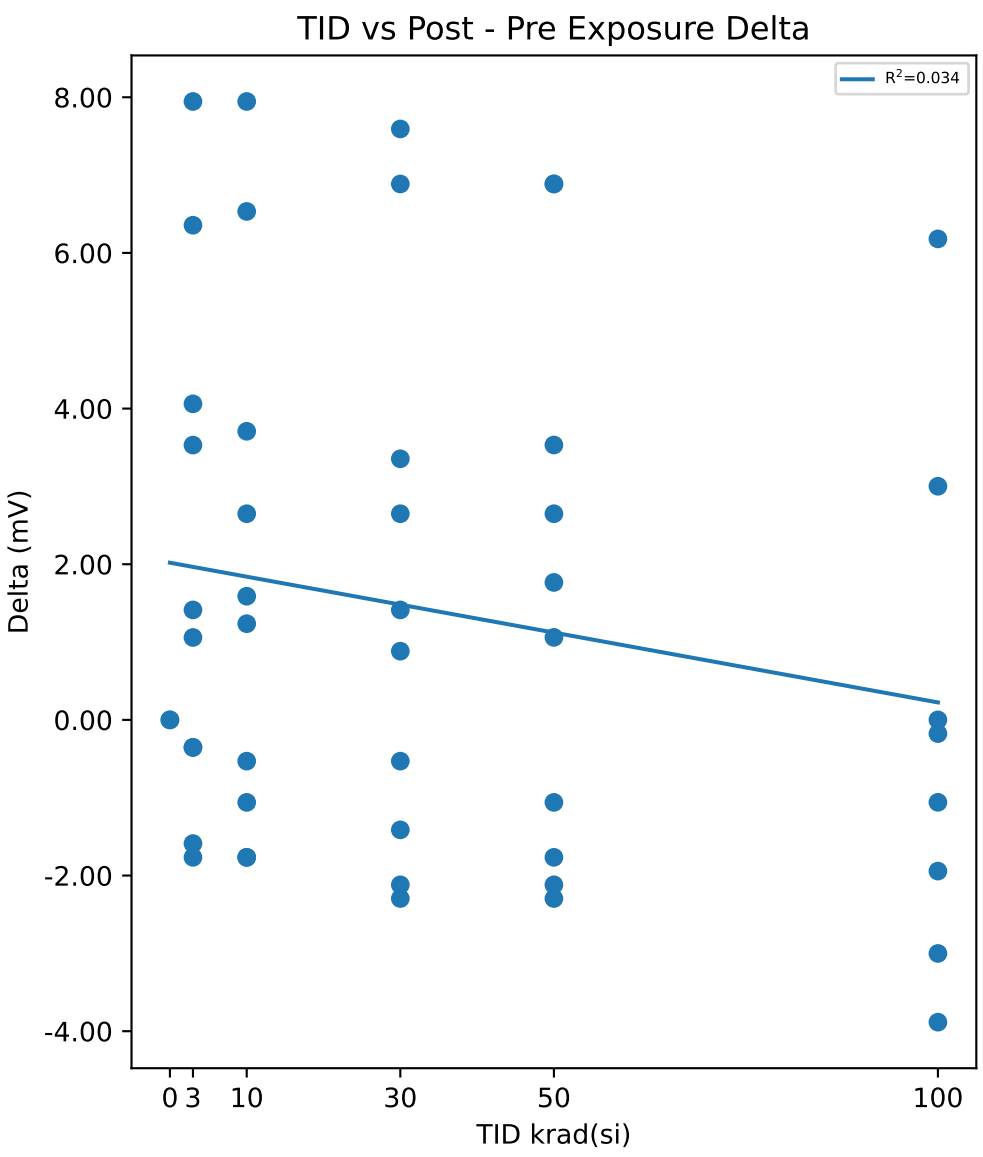
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599 | 599.23 | 599.47 | 0.33305 | 599 | 599.23 | 599.47 | 0.33305 | 0 | 0 | 0 | 0 |
| 3 | 595 | 598.83 | 604.06 | 3.5511 | 596.06 | 600.19 | 603.83 | 2.3663 | -2.825 | 1.3537 | 7.534 | 3.3425 |
| 10 | 595 | 598.83 | 604.06 | 3.5511 | 595.94 | 600.08 | 603.71 | 2.4465 | -2.943 | 1.2479 | 7.652 | 3.4528 |
| 30 | 595 | 598.83 | 604.06 | 3.5511 | 595.35 | 599.71 | 603.12 | 2.5222 | -3.532 | 0.8711 | 7.416 | 3.5028 |
| 50 | 595 | 598.83 | 604.06 | 3.5511 | 594.76 | 599.47 | 603.12 | 2.4522 | -4.12 | 0.6358 | 6.475 | 3.539 |
| 100 | 595.35 | 599.6 | 603.47 | 3.1639 | 591.11 | 598.47 | 601.71 | 3.1286 | -9.653 | -1.1328 | 6.239 | 5.0734 |

# Device Test: 13.35 VTH_DOWNb_FALLING/DOWNb/7/14/0/0/0/@VTH_DOWN




Test Results (Lower Limit = 484.0, Upper Limit = 511.0 (mV))

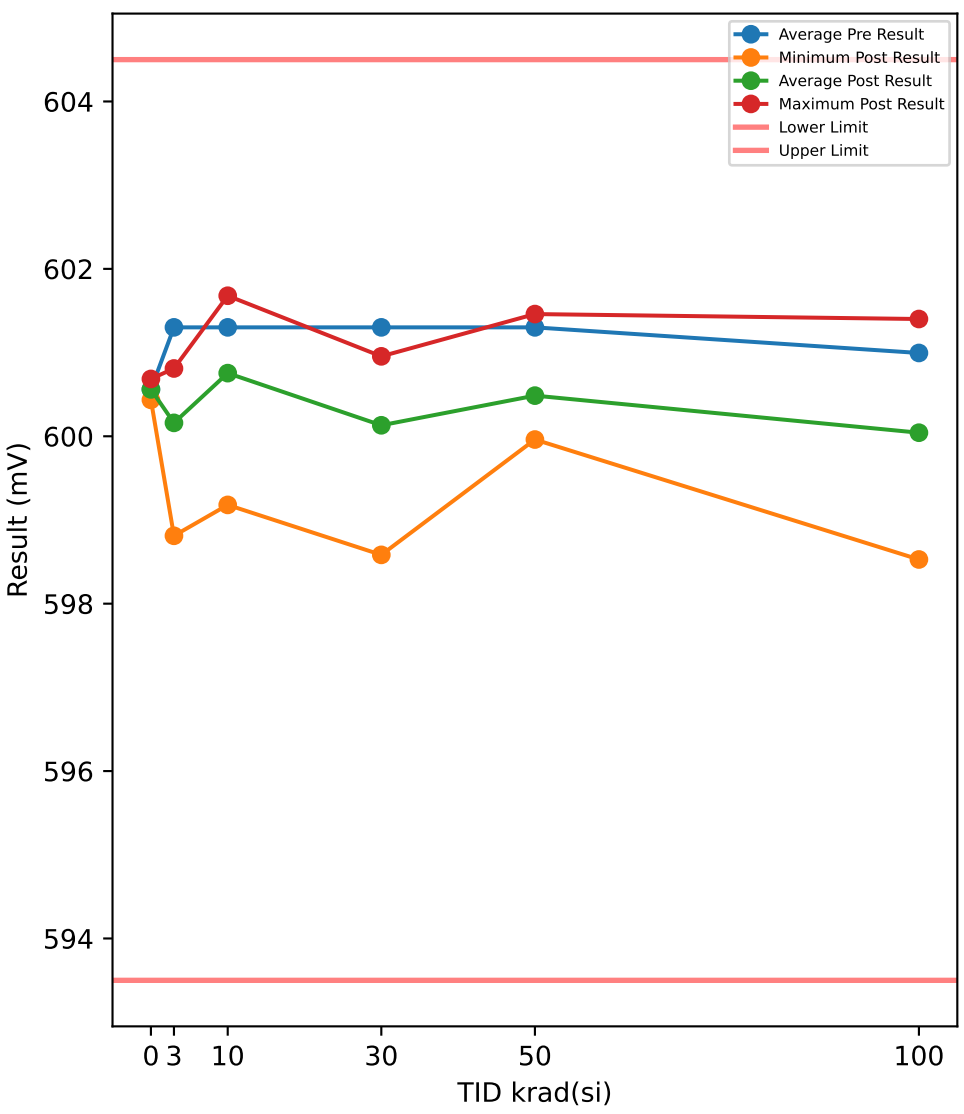
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 497.47 | 497.47 | 0 |
| 7 | 0 | Correlation | 498.88 | 498.88 | 0 |
| 16 | 3 | LDR-Biased | 500.29 | 501.71 | 1.413 |
| 18 | 3 | LDR-Biased | 501.18 | 499.59 | -1.589 |
| 19 | 3 | LDR-Biased | 502.06 | 500.29 | -1.766 |
| 20 | 3 | LDR-Biased | 497.12 | 500.65 | 3.531 |
| 21 | 3 | LDR-Biased | 496.76 | 496.41 | -0.353 |
| 22 | 3 | LDR-Unbiased | 493.23 | 501.18 | 7.946 |
| 23 | 3 | LDR-Unbiased | 495.88 | 496.94 | 1.059 |
| 25 | 3 | LDR-Unbiased | 495.35 | 499.41 | 4.061 |
| 26 | 3 | LDR-Unbiased | 496.76 | 503.12 | 6.356 |
| 27 | 3 | LDR-Unbiased | 497.29 | 496.94 | -0.354 |
| 46 | 10 | LDR-Biased | 500.29 | 501.88 | 1.589 |
| 48 | 10 | LDR-Biased | 501.18 | 499.41 | -1.766 |
| 49 | 10 | LDR-Biased | 502.06 | 500.29 | -1.766 |
| 50 | 10 | LDR-Biased | 497.12 | 499.76 | 2.649 |
| 51 | 10 | LDR-Biased | 496.76 | 496.23 | -0.53 |
| 52 | 10 | LDR-Unbiased | 493.23 | 501.18 | 7.946 |
| 53 | 10 | LDR-Unbiased | 495.88 | 497.12 | 1.236 |
| 55 | 10 | LDR-Unbiased | 495.35 | 499.06 | 3.708 |
| 56 | 10 | LDR-Unbiased | 496.76 | 503.3 | 6.533 |
| 57 | 10 | LDR-Unbiased | 497.29 | 496.23 | -1.06 |
| 76 | 30 | LDR-Biased | 500.29 | 501.18 | 0.883 |
| 78 | 30 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 79 | 30 | LDR-Biased | 502.06 | 499.76 | -2.295 |
| 80 | 30 | LDR-Biased | 497.12 | 499.76 | 2.649 |
| 81 | 30 | LDR-Biased | 496.76 | 496.23 | -0.53 |
| 82 | 30 | LDR-Unbiased | 493.23 | 500.82 | 7.593 |
| 83 | 30 | LDR-Unbiased | 495.88 | 497.29 | 1.413 |
| 84 | 30 | LDR-Unbiased | 497.29 | 495.88 | -1.413 |
| 85 | 30 | LDR-Unbiased | 495.35 | 498.7 | 3.355 |
| 86 | 30 | LDR-Unbiased | 496.76 | 503.65 | 6.886 |
| 87 | 100 | LDR-Biased | 500.29 | 500.12 | -0.176 |
| 88 | 100 | LDR-Biased | 500.29 | 497.29 | -3.001 |
| 90 | 100 | LDR-Biased | 501.18 | 497.29 | -3.884 |
| 91 | 100 | LDR-Unbiased | 493.41 | 499.59 | 6.18 |
| 93 | 100 | LDR-Unbiased | 496.76 | 499.76 | 3.002 |
| 94 | 100 | LDR-Unbiased | 500.12 | 498.18 | -1.943 |
| 95 | 100 | LDR-Unbiased | 498.7 | 497.65 | -1.059 |
| 96 | 100 | LDR-Unbiased | 497.29 | 497.29 | 0 |
| 106 | 50 | LDR-Biased | 500.29 | 501.35 | 1.06 |
| 108 | 50 | LDR-Biased | 501.18 | 499.06 | -2.119 |
| 109 | 50 | LDR-Biased | 502.06 | 499.76 | -2.295 |
| 110 | 50 | LDR-Biased | 497.12 | 499.76 | 2.649 |
| 111 | 50 | LDR-Biased | 496.76 | 495.7 | -1.06 |
| 112 | 50 | LDR-Unbiased | 493.23 | 500.12 | 6.887 |
| 113 | 50 | LDR-Unbiased | 495.88 | 497.65 | 1.766 |
| 115 | 50 | LDR-Unbiased | 495.35 | 498.88 | 3.532 |
| 116 | 50 | LDR-Unbiased | 496.76 | 503.65 | 6.886 |
| 117 | 50 | LDR-Unbiased | 497.29 | 495.53 | -1.766 |

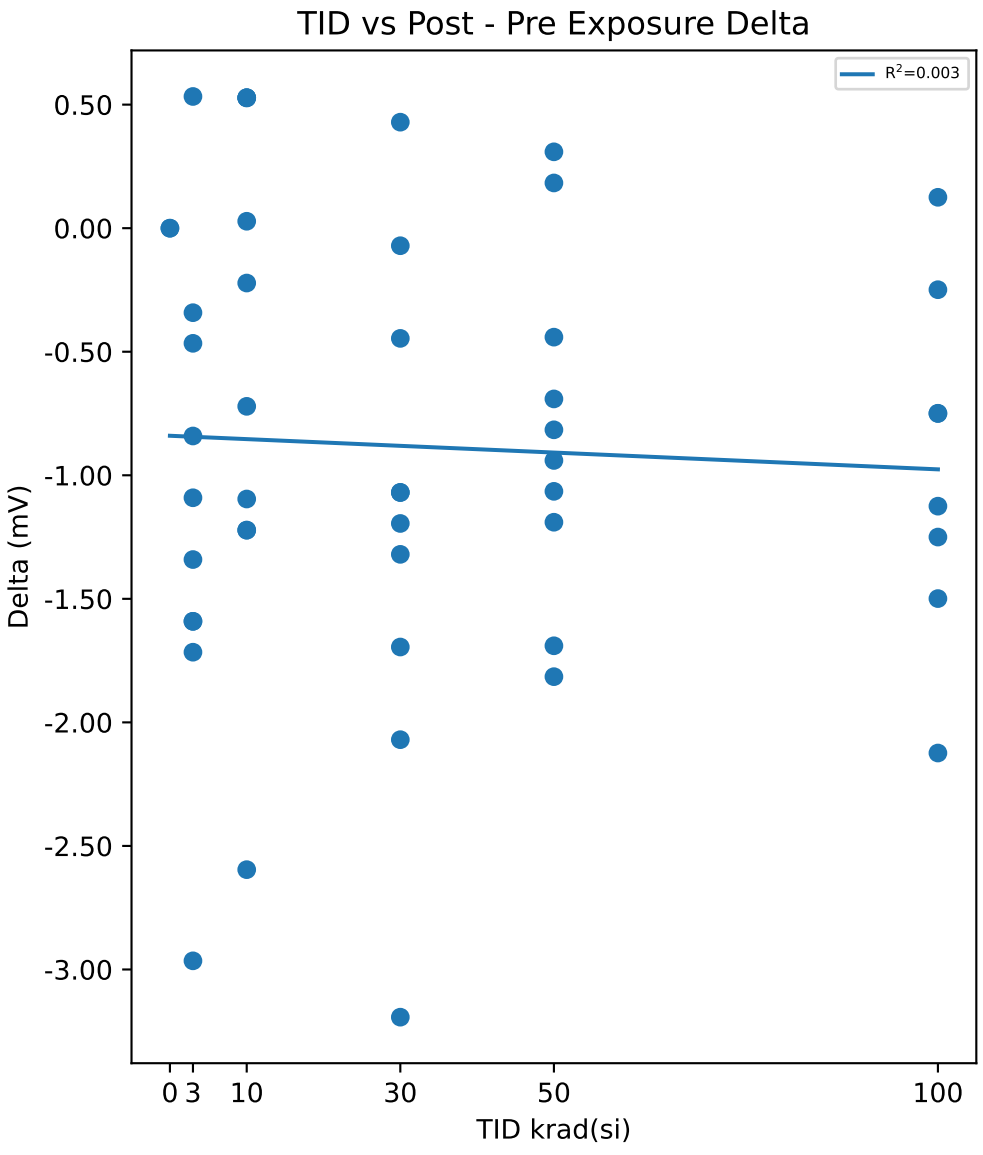



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 497.47 | 498.18 | 498.88 | 0.99914 | 497.47 | 498.18 | 498.88 | 0.99914 | 0 | 0 | 0 | 0 |
| 3 | 493.23 | 497.59 | 502.06 | 2.7645 | 496.41 | 499.62 | 503.12 | 2.2424 | -1.766 | 2.0304 | 7.946 | 3.3381 |
| 10 | 493.23 | 497.59 | 502.06 | 2.7645 | 496.23 | 499.45 | 503.3 | 2.3759 | -1.766 | 1.8539 | 7.946 | 3.3979 |
| 30 | 493.23 | 497.59 | 502.06 | 2.7645 | 495.88 | 499.23 | 503.65 | 2.3733 | -2.295 | 1.6422 | 7.593 | 3.5148 |
| 50 | 493.23 | 497.59 | 502.06 | 2.7645 | 495.53 | 499.15 | 503.65 | 2.4527 | -2.295 | 1.554 | 6.887 | 3.471 |
| 100 | 493.41 | 498.51 | 501.18 | 2.582 | 497.29 | 498.4 | 500.12 | 1.226 | -3.884 | -0.11012 | 6.18 | 3.2978 |

# Device Test: 13.36 VTH_SENSE1_RISING/SENSE1/7/14/0/0/0/@VTH_SENSE



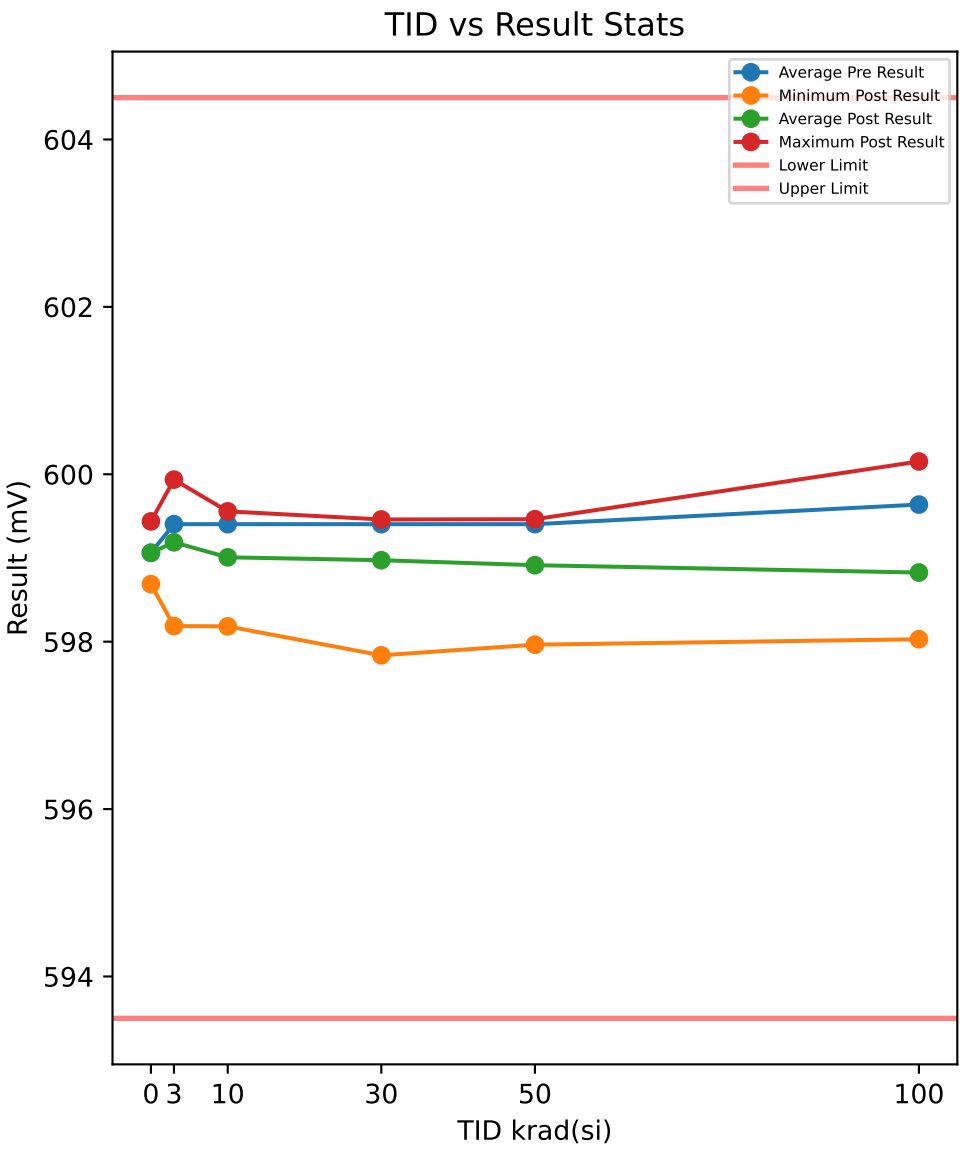

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

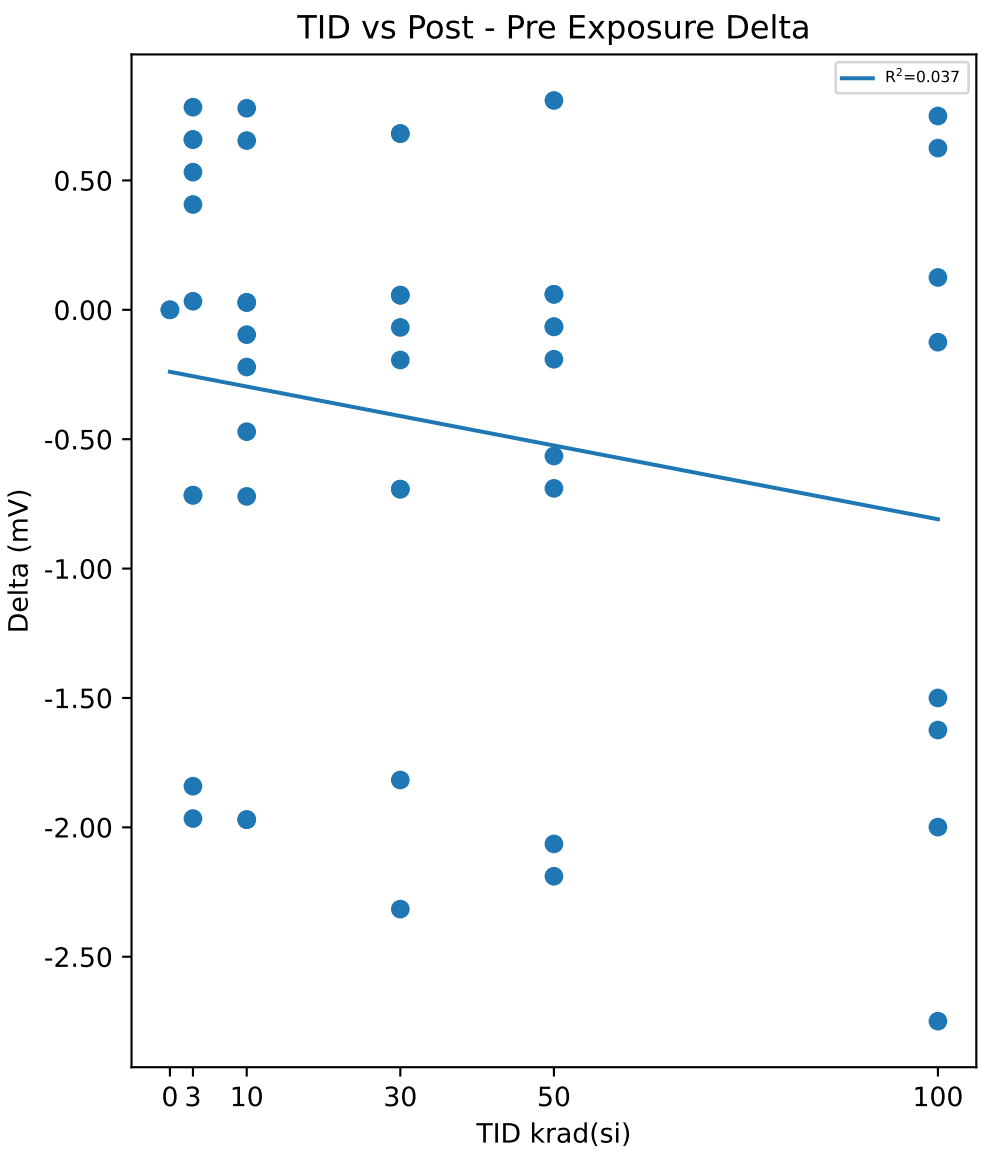
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.43 | 600.43 | 0 |
| 7 | 0 | Correlation | 600.68 | 600.68 | 0 |
| 16 | 3 | LDR-Biased | 601.78 | 598.81 | -2.965 |
| 18 | 3 | LDR-Biased | 599.78 | 600.31 | 0.533 |
| 19 | 3 | LDR-Biased | 602.28 | 600.68 | -1.591 |
| 20 | 3 | LDR-Biased | 601.03 | 599.31 | -1.716 |
| 21 | 3 | LDR-Biased | 601.28 | 600.81 | -0.466 |
| 22 | 3 | LDR-Unbiased | 600.53 | 600.18 | -0.342 |
| 23 | 3 | LDR-Unbiased | 601.03 | 599.43 | -1.591 |
| 25 | 3 | LDR-Unbiased | 601.9 | 600.56 | -1.341 |
| 26 | 3 | LDR-Unbiased | 601.9 | 600.81 | -1.091 |
| 27 | 3 | LDR-Unbiased | 601.53 | 600.68 | -0.841 |
| 46 | 10 | LDR-Biased | 601.78 | 599.18 | -2.596 |
| 48 | 10 | LDR-Biased | 599.78 | 600.3 | 0.528 |
| 49 | 10 | LDR-Biased | 602.28 | 601.05 | -1.222 |
| 50 | 10 | LDR-Biased | 601.03 | 600.3 | -0.721 |
| 51 | 10 | LDR-Biased | 601.28 | 601.3 | 0.028 |
| 52 | 10 | LDR-Unbiased | 600.53 | 601.05 | 0.527 |
| 53 | 10 | LDR-Unbiased | 601.03 | 601.55 | 0.528 |
| 55 | 10 | LDR-Unbiased | 601.9 | 600.68 | -1.222 |
| 56 | 10 | LDR-Unbiased | 601.9 | 601.68 | -0.222 |
| 57 | 10 | LDR-Unbiased | 601.53 | 600.43 | -1.096 |
| 76 | 30 | LDR-Biased | 601.78 | 598.58 | -3.193 |
| 78 | 30 | LDR-Biased | 599.78 | 600.21 | 0.429 |
| 79 | 30 | LDR-Biased | 602.28 | 600.21 | -2.07 |
| 80 | 30 | LDR-Biased | 601.03 | 599.96 | -1.069 |
| 81 | 30 | LDR-Biased | 601.28 | 600.21 | -1.07 |
| 82 | 30 | LDR-Unbiased | 600.53 | 600.08 | -0.446 |
| 83 | 30 | LDR-Unbiased | 601.03 | 600.96 | -0.071 |
| 84 | 30 | LDR-Unbiased | 601.53 | 600.33 | -1.195 |
| 85 | 30 | LDR-Unbiased | 601.9 | 600.58 | -1.32 |
| 86 | 30 | LDR-Unbiased | 601.9 | 600.21 | -1.695 |
| 87 | 100 | LDR-Biased | 601.15 | 600.4 | -0.749 |
| 88 | 100 | LDR-Biased | 601.65 | 600.15 | -1.499 |
| 90 | 100 | LDR-Biased | 600.78 | 600.03 | -0.75 |
| 91 | 100 | LDR-Unbiased | 601.03 | 600.78 | -0.249 |
| 93 | 100 | LDR-Unbiased | 601.28 | 601.4 | 0.125 |
| 94 | 100 | LDR-Unbiased | 600.65 | 598.53 | -2.124 |
| 95 | 100 | LDR-Unbiased | 600.65 | 599.53 | -1.125 |
| 96 | 100 | LDR-Unbiased | 600.78 | 599.53 | -1.25 |
| 106 | 50 | LDR-Biased | 601.78 | 599.96 | -1.815 |
| 108 | 50 | LDR-Biased | 599.78 | 600.09 | 0.309 |
| 109 | 50 | LDR-Biased | 602.28 | 601.46 | -0.816 |
| 110 | 50 | LDR-Biased | 601.03 | 599.96 | -1.065 |
| 111 | 50 | LDR-Biased | 601.28 | 600.34 | -0.94 |
| 112 | 50 | LDR-Unbiased | 600.53 | 600.71 | 0.183 |
| 113 | 50 | LDR-Unbiased | 601.03 | 600.59 | -0.441 |
| 115 | 50 | LDR-Unbiased | 601.9 | 601.21 | -0.691 |
| 116 | 50 | LDR-Unbiased | 601.9 | 600.21 | -1.69 |
| 117 | 50 | LDR-Unbiased | 601.53 | 600.34 | -1.19 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.43 | 600.56 | 600.68 | 0.17678 | 600.43 | 600.56 | 600.68 | 0.17678 | 0 | 0 | 0 | 0 |
| 3 | 599.78 | 601.3 | 602.28 | 0.74688 | 598.81 | 600.16 | 600.81 | 0.71859 | -2.965 | -1.1411 | 0.533 | 0.94818 |
| 10 | 599.78 | 601.3 | 602.28 | 0.74688 | 599.18 | 600.75 | 601.68 | 0.74307 | -2.596 | -0.5468 | 0.528 | 1.0188 |
| 30 | 599.78 | 601.3 | 602.28 | 0.74688 | 598.58 | 600.13 | 600.96 | 0.6122 | -3.193 | -1.17 | 0.429 | 1.028 |
| 50 | 599.78 | 601.3 | 602.28 | 0.74688 | 599.96 | 600.49 | 601.46 | 0.51259 | -1.815 | -0.8156 | 0.309 | 0.69913 |
| 100 | 600.65 | 601 | 601.65 | 0.35151 | 598.53 | 600.04 | 601.4 | 0.87437 | -2.124 | -0.95262 | 0.125 | 0.7099 |

# Device Test: 13.37 VTH_SENSE1_FALLING/SENSE1/7/14/0/0/0/@VTH_SENSE



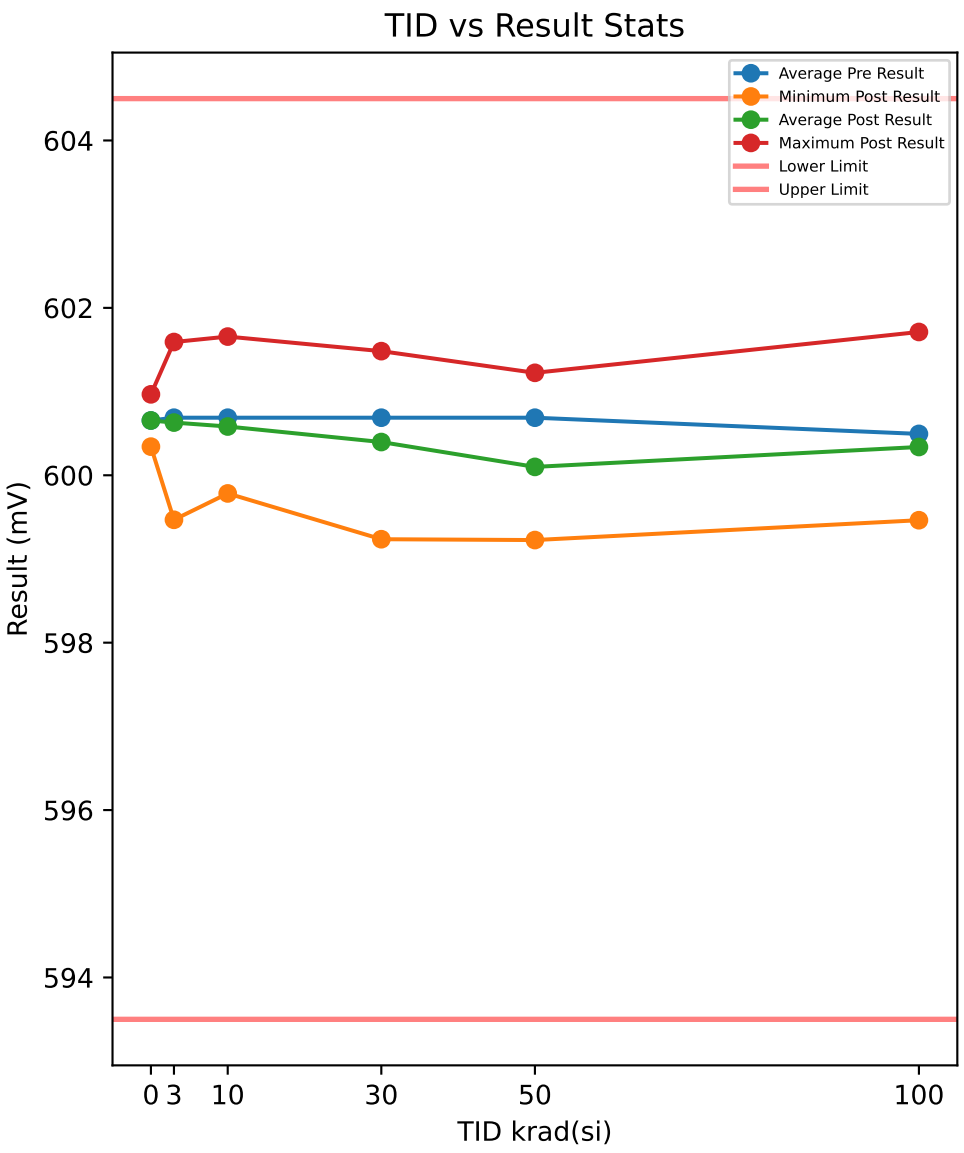

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.69 | 598.69 | 0 |
| 7 | 0 | Correlation | 599.44 | 599.44 | 0 |
| 16 | 3 | LDR-Biased | 600.15 | 598.19 | -1.966 |
| 18 | 3 | LDR-Biased | 599.4 | 598.69 | -0.717 |
| 19 | 3 | LDR-Biased | 600.03 | 599.31 | -0.716 |
| 20 | 3 | LDR-Biased | 598.78 | 598.81 | 0.033 |
| 21 | 3 | LDR-Biased | 598.65 | 599.44 | 0.783 |
| 22 | 3 | LDR-Unbiased | 598.78 | 599.44 | 0.658 |
| 23 | 3 | LDR-Unbiased | 598.65 | 599.31 | 0.658 |
| 25 | 3 | LDR-Unbiased | 599.53 | 599.94 | 0.407 |
| 26 | 3 | LDR-Unbiased | 599.4 | 599.94 | 0.532 |
| 27 | 3 | LDR-Unbiased | 600.65 | 598.81 | -1.841 |
| 46 | 10 | LDR-Biased | 600.15 | 598.18 | -1.97 |
| 48 | 10 | LDR-Biased | 599.4 | 598.68 | -0.721 |
| 49 | 10 | LDR-Biased | 600.03 | 599.56 | -0.471 |
| 50 | 10 | LDR-Biased | 598.78 | 598.81 | 0.029 |
| 51 | 10 | LDR-Biased | 598.65 | 599.43 | 0.779 |
| 52 | 10 | LDR-Unbiased | 598.78 | 598.56 | -0.221 |
| 53 | 10 | LDR-Unbiased | 598.65 | 599.31 | 0.654 |
| 55 | 10 | LDR-Unbiased | 599.53 | 599.56 | 0.028 |
| 56 | 10 | LDR-Unbiased | 599.4 | 599.31 | -0.096 |
| 57 | 10 | LDR-Unbiased | 600.65 | 598.68 | -1.97 |
| 76 | 30 | LDR-Biased | 600.15 | 597.84 | -2.316 |
| 78 | 30 | LDR-Biased | 599.4 | 598.71 | -0.693 |
| 79 | 30 | LDR-Biased | 600.03 | 599.34 | -0.693 |
| 80 | 30 | LDR-Biased | 598.78 | 598.84 | 0.057 |
| 81 | 30 | LDR-Biased | 598.65 | 599.34 | 0.681 |
| 82 | 30 | LDR-Unbiased | 598.78 | 598.71 | -0.068 |
| 83 | 30 | LDR-Unbiased | 598.65 | 599.34 | 0.681 |
| 84 | 30 | LDR-Unbiased | 600.65 | 598.84 | -1.817 |
| 85 | 30 | LDR-Unbiased | 599.53 | 599.34 | -0.194 |
| 86 | 30 | LDR-Unbiased | 599.4 | 599.46 | 0.056 |
| 87 | 100 | LDR-Biased | 599.4 | 599.53 | 0.125 |
| 88 | 100 | LDR-Biased | 600.28 | 598.65 | -1.624 |
| 90 | 100 | LDR-Biased | 598.9 | 598.78 | -0.125 |
| 91 | 100 | LDR-Unbiased | 598.65 | 599.28 | 0.625 |
| 93 | 100 | LDR-Unbiased | 599.4 | 600.15 | 0.749 |
| 94 | 100 | LDR-Unbiased | 600.15 | 598.15 | -1.999 |
| 95 | 100 | LDR-Unbiased | 599.53 | 598.03 | -1.5 |
| 96 | 100 | LDR-Unbiased | 600.78 | 598.03 | -2.749 |
| 106 | 50 | LDR-Biased | 600.15 | 597.96 | -2.189 |
| 108 | 50 | LDR-Biased | 599.4 | 598.84 | -0.565 |
| 109 | 50 | LDR-Biased | 600.03 | 599.34 | -0.69 |
| 110 | 50 | LDR-Biased | 598.78 | 598.84 | 0.06 |
| 111 | 50 | LDR-Biased | 598.65 | 598.71 | 0.06 |
| 112 | 50 | LDR-Unbiased | 598.78 | 598.71 | -0.065 |
| 113 | 50 | LDR-Unbiased | 598.65 | 599.46 | 0.809 |
| 115 | 50 | LDR-Unbiased | 599.53 | 599.34 | -0.191 |
| 116 | 50 | LDR-Unbiased | 599.4 | 599.34 | -0.066 |
| 117 | 50 | LDR-Unbiased | 600.65 | 598.59 | -2.064 |

Test Statistics (mV)

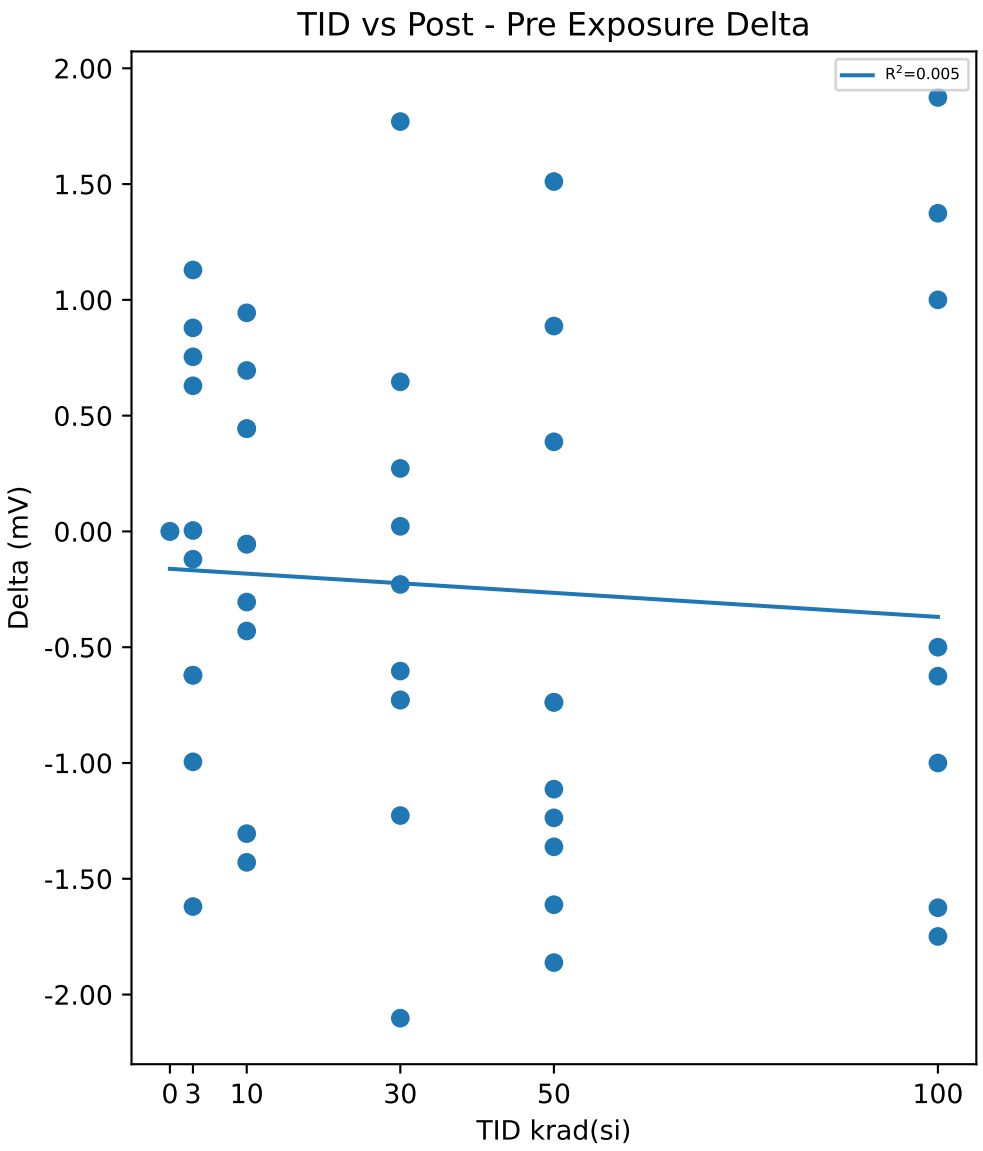
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.69 | 599.06 | 599.44 | 0.53033 | 598.69 | 599.06 | 599.44 | 0.53033 | 0 | 0 | 0 | 0 |
| 3 | 598.65 | 599.4 | 600.65 | 0.70176 | 598.19 | 599.19 | 599.94 | 0.55872 | -1.966 | -0.2169 | 0.783 | 1.0403 |
| 10 | 598.65 | 599.4 | 600.65 | 0.70176 | 598.18 | 599.01 | 599.56 | 0.48279 | -1.97 | -0.3959 | 0.779 | 0.9446 |
| 30 | 598.65 | 599.4 | 600.65 | 0.70176 | 597.84 | 598.97 | 599.46 | 0.4974 | -2.316 | -0.4306 | 0.681 | 0.98589 |
| 50 | 598.65 | 599.4 | 600.65 | 0.70176 | 597.96 | 598.91 | 599.46 | 0.46429 | -2.189 | -0.4901 | 0.809 | 0.95172 |
| 100 | 598.65 | 599.64 | 600.78 | 0.71742 | 598.03 | 598.83 | 600.15 | 0.7759 | -2.749 | -0.81225 | 0.749 | 1.3172 |

# Device Test: 13.38 VTH_SENSE2_RISING/SENSE2/7/14/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

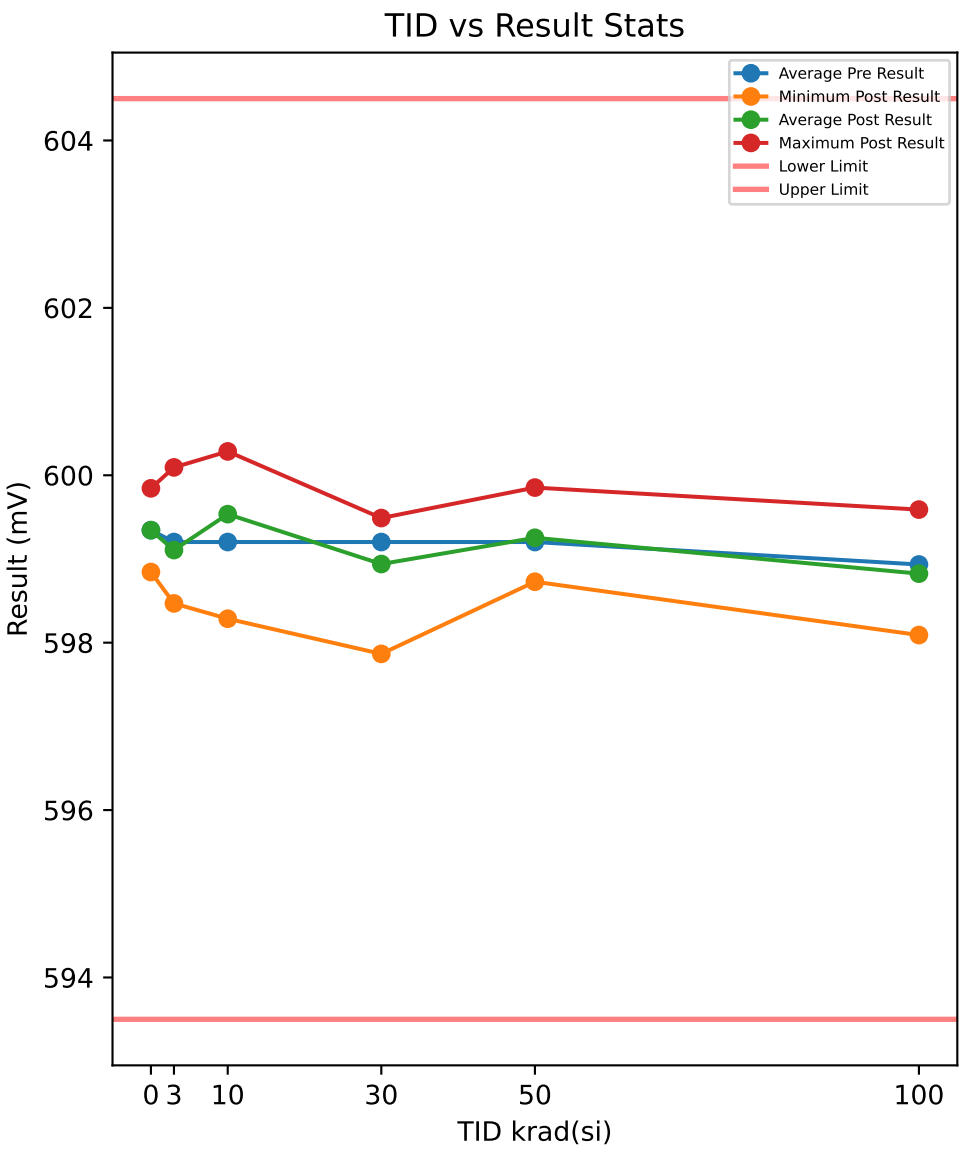
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.34 | 600.34 | 0 |
| 7 | 0 | Correlation | 600.97 | 600.97 | 0 |
| 16 | 3 | LDR-Biased | 601.21 | 600.59 | -0.621 |
| 18 | 3 | LDR-Biased | 601.09 | 599.47 | -1.62 |
| 19 | 3 | LDR-Biased | 601.71 | 601.59 | -0.12 |
| 20 | 3 | LDR-Biased | 600.59 | 599.97 | -0.621 |
| 21 | 3 | LDR-Biased | 599.46 | 600.34 | 0.879 |
| 22 | 3 | LDR-Unbiased | 600.46 | 600.47 | 0.004 |
| 23 | 3 | LDR-Unbiased | 599.71 | 600.84 | 1.129 |
| 25 | 3 | LDR-Unbiased | 600.34 | 600.97 | 0.629 |
| 26 | 3 | LDR-Unbiased | 600.59 | 601.34 | 0.754 |
| 27 | 3 | LDR-Unbiased | 601.71 | 600.72 | -0.995 |
| 46 | 10 | LDR-Biased | 601.21 | 601.66 | 0.444 |
| 48 | 10 | LDR-Biased | 601.09 | 599.78 | -1.305 |
| 49 | 10 | LDR-Biased | 601.71 | 600.28 | -1.429 |
| 50 | 10 | LDR-Biased | 600.59 | 600.53 | -0.055 |
| 51 | 10 | LDR-Biased | 599.46 | 600.16 | 0.695 |
| 52 | 10 | LDR-Unbiased | 600.46 | 600.91 | 0.444 |
| 53 | 10 | LDR-Unbiased | 599.71 | 600.66 | 0.944 |
| 55 | 10 | LDR-Unbiased | 600.34 | 600.28 | -0.055 |
| 56 | 10 | LDR-Unbiased | 600.59 | 600.28 | -0.305 |
| 57 | 10 | LDR-Unbiased | 601.71 | 601.28 | -0.43 |
| 76 | 30 | LDR-Biased | 601.21 | 600.98 | -0.229 |
| 78 | 30 | LDR-Biased | 601.09 | 600.36 | -0.728 |
| 79 | 30 | LDR-Biased | 601.71 | 599.61 | -2.102 |
| 80 | 30 | LDR-Biased | 600.59 | 601.23 | 0.646 |
| 81 | 30 | LDR-Biased | 599.46 | 599.74 | 0.272 |
| 82 | 30 | LDR-Unbiased | 600.46 | 599.24 | -1.227 |
| 83 | 30 | LDR-Unbiased | 599.71 | 601.48 | 1.77 |
| 84 | 30 | LDR-Unbiased | 601.71 | 600.98 | -0.728 |
| 85 | 30 | LDR-Unbiased | 600.34 | 600.36 | 0.022 |
| 86 | 30 | LDR-Unbiased | 600.59 | 599.99 | -0.603 |
| 87 | 100 | LDR-Biased | 600.84 | 600.34 | -0.5 |
| 88 | 100 | LDR-Biased | 601.09 | 599.46 | -1.625 |
| 90 | 100 | LDR-Biased | 599.59 | 600.59 | 1 |
| 91 | 100 | LDR-Unbiased | 600.34 | 601.71 | 1.374 |
| 93 | 100 | LDR-Unbiased | 599.21 | 601.09 | 1.874 |
| 94 | 100 | LDR-Unbiased | 600.59 | 599.59 | -1 |
| 95 | 100 | LDR-Unbiased | 601.59 | 599.84 | -1.749 |
| 96 | 100 | LDR-Unbiased | 600.71 | 600.09 | -0.625 |
| 106 | 50 | LDR-Biased | 601.21 | 600.1 | -1.113 |
| 108 | 50 | LDR-Biased | 601.09 | 599.48 | -1.612 |
| 109 | 50 | LDR-Biased | 601.71 | 600.35 | -1.362 |
| 110 | 50 | LDR-Biased | 600.59 | 599.85 | -0.738 |
| 111 | 50 | LDR-Biased | 599.46 | 600.35 | 0.887 |
| 112 | 50 | LDR-Unbiased | 600.46 | 599.23 | -1.237 |
| 113 | 50 | LDR-Unbiased | 599.71 | 601.22 | 1.511 |
| 115 | 50 | LDR-Unbiased | 600.34 | 600.73 | 0.387 |
| 116 | 50 | LDR-Unbiased | 600.59 | 599.85 | -0.738 |
| 117 | 50 | LDR-Unbiased | 601.71 | 599.85 | -1.862 |




Test Statistics (mV)

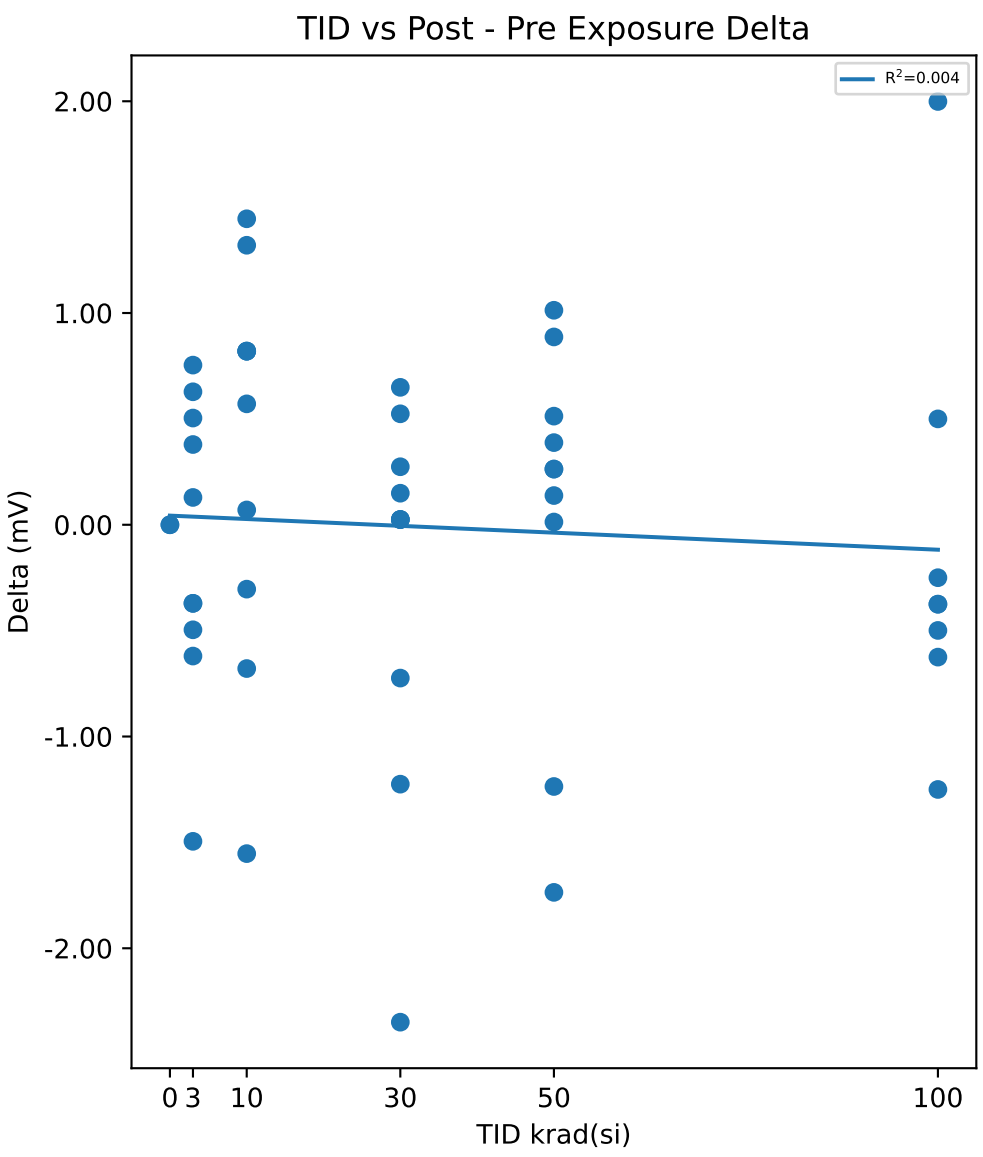
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.34 | 600.65 | 600.97 | 0.44194 | 600.34 | 600.65 | 600.97 | 0.44194 | 0 | 0 | 0 | 0 |
| 3 | 599.46 | 600.69 | 601.71 | 0.75845 | 599.47 | 600.63 | 601.59 | 0.62354 | -1.62 | -0.0582 | 1.129 | 0.9054 |
| 10 | 599.46 | 600.69 | 601.71 | 0.75845 | 599.78 | 600.58 | 601.66 | 0.5623 | -1.429 | -0.1052 | 0.944 | 0.7949 |
| 30 | 599.46 | 600.69 | 601.71 | 0.75845 | 599.24 | 600.4 | 601.48 | 0.75624 | -2.102 | -0.2907 | 1.77 | 1.0635 |
| 50 | 599.46 | 600.69 | 601.71 | 0.75845 | 599.23 | 600.1 | 601.22 | 0.58876 | -1.862 | -0.5877 | 1.511 | 1.1326 |
| 100 | 599.21 | 600.49 | 601.59 | 0.77517 | 599.46 | 600.34 | 601.71 | 0.7703 | -1.749 | -0.15638 | 1.874 | 1.391 |

# Device Test: 13.39 VTH_SENSE2_FALLING/SENSE2/7/14/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

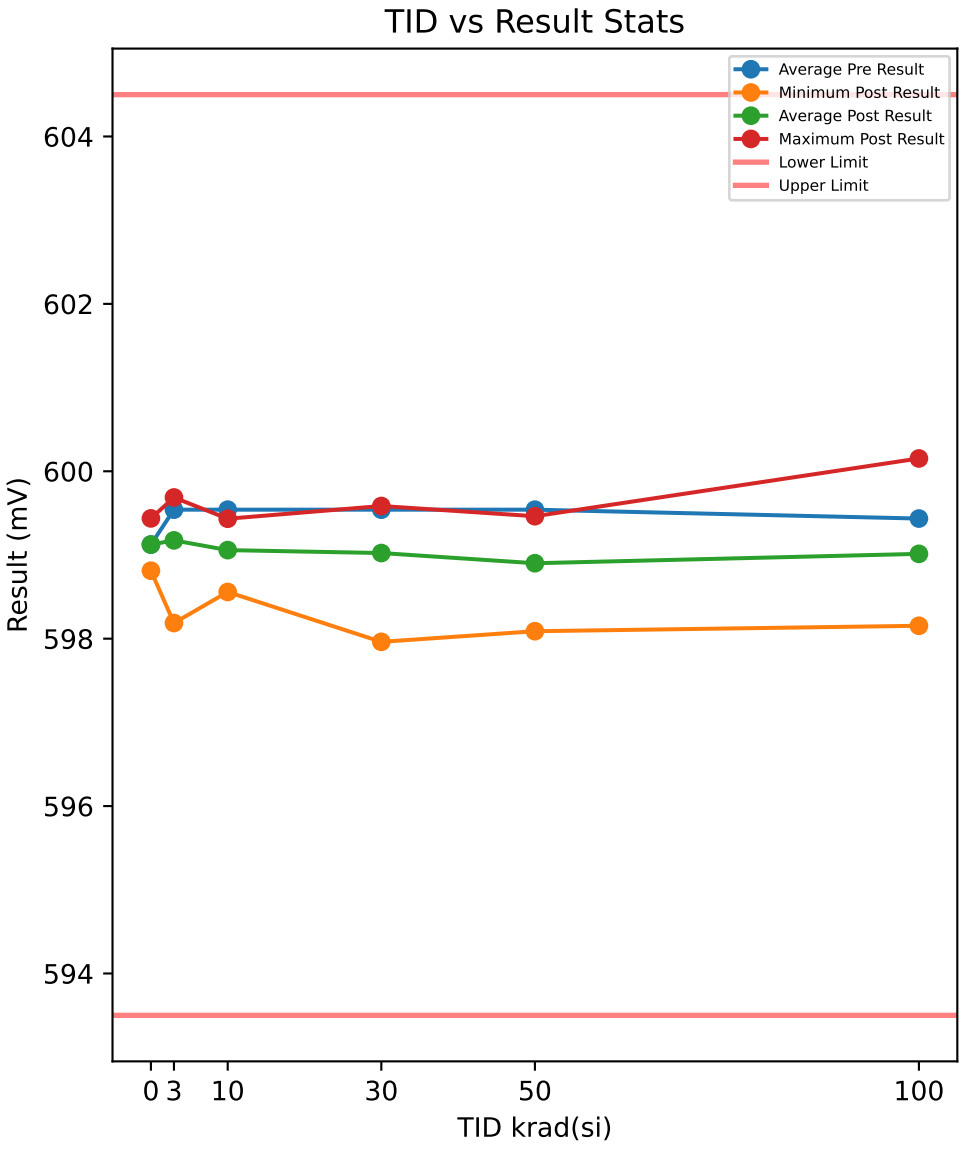
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.84 | 598.84 | 0 |
| 7 | 0 | Correlation | 599.84 | 599.84 | 0 |
| 16 | 3 | LDR-Biased | 599.09 | 599.84 | 0.754 |
| 18 | 3 | LDR-Biased | 598.22 | 598.84 | 0.628 |
| 19 | 3 | LDR-Biased | 600.71 | 600.09 | -0.62 |
| 20 | 3 | LDR-Biased | 598.84 | 598.97 | 0.129 |
| 21 | 3 | LDR-Biased | 598.59 | 599.09 | 0.504 |
| 22 | 3 | LDR-Unbiased | 598.84 | 598.47 | -0.371 |
| 23 | 3 | LDR-Unbiased | 598.84 | 598.47 | -0.371 |
| 25 | 3 | LDR-Unbiased | 598.97 | 599.34 | 0.379 |
| 26 | 3 | LDR-Unbiased | 599.22 | 598.72 | -0.496 |
| 27 | 3 | LDR-Unbiased | 600.71 | 599.22 | -1.495 |
| 46 | 10 | LDR-Biased | 599.09 | 599.91 | 0.82 |
| 48 | 10 | LDR-Biased | 598.22 | 598.29 | 0.07 |
| 49 | 10 | LDR-Biased | 600.71 | 600.03 | -0.679 |
| 50 | 10 | LDR-Biased | 598.84 | 598.54 | -0.304 |
| 51 | 10 | LDR-Biased | 598.59 | 599.16 | 0.571 |
| 52 | 10 | LDR-Unbiased | 598.84 | 600.28 | 1.445 |
| 53 | 10 | LDR-Unbiased | 598.84 | 599.66 | 0.82 |
| 55 | 10 | LDR-Unbiased | 598.97 | 600.28 | 1.32 |
| 56 | 10 | LDR-Unbiased | 599.22 | 600.03 | 0.82 |
| 57 | 10 | LDR-Unbiased | 600.71 | 599.16 | -1.553 |
| 76 | 30 | LDR-Biased | 599.09 | 599.24 | 0.149 |
| 78 | 30 | LDR-Biased | 598.22 | 598.49 | 0.274 |
| 79 | 30 | LDR-Biased | 600.71 | 599.49 | -1.225 |
| 80 | 30 | LDR-Biased | 598.84 | 598.87 | 0.025 |
| 81 | 30 | LDR-Biased | 598.59 | 597.87 | -0.724 |
| 82 | 30 | LDR-Unbiased | 598.84 | 598.87 | 0.025 |
| 83 | 30 | LDR-Unbiased | 598.84 | 599.49 | 0.649 |
| 84 | 30 | LDR-Unbiased | 600.71 | 598.37 | -2.349 |
| 85 | 30 | LDR-Unbiased | 598.97 | 599.49 | 0.524 |
| 86 | 30 | LDR-Unbiased | 599.22 | 599.24 | 0.024 |
| 87 | 100 | LDR-Biased | 598.97 | 598.59 | -0.375 |
| 88 | 100 | LDR-Biased | 599.22 | 598.59 | -0.625 |
| 90 | 100 | LDR-Biased | 598.34 | 598.09 | -0.25 |
| 91 | 100 | LDR-Unbiased | 598.97 | 599.47 | 0.5 |
| 93 | 100 | LDR-Unbiased | 597.59 | 599.59 | 1.999 |
| 94 | 100 | LDR-Unbiased | 599.47 | 599.09 | -0.375 |
| 95 | 100 | LDR-Unbiased | 598.84 | 598.34 | -0.499 |
| 96 | 100 | LDR-Unbiased | 600.09 | 598.84 | -1.25 |
| 106 | 50 | LDR-Biased | 599.09 | 599.1 | 0.013 |
| 108 | 50 | LDR-Biased | 598.22 | 599.1 | 0.887 |
| 109 | 50 | LDR-Biased | 600.71 | 598.98 | -1.736 |
| 110 | 50 | LDR-Biased | 598.84 | 599.85 | 1.013 |
| 111 | 50 | LDR-Biased | 598.59 | 598.73 | 0.138 |
| 112 | 50 | LDR-Unbiased | 598.84 | 599.23 | 0.388 |
| 113 | 50 | LDR-Unbiased | 598.84 | 599.1 | 0.263 |
| 115 | 50 | LDR-Unbiased | 598.97 | 599.48 | 0.513 |
| 116 | 50 | LDR-Unbiased | 599.22 | 599.48 | 0.263 |
| 117 | 50 | LDR-Unbiased | 600.71 | 599.48 | -1.236 |

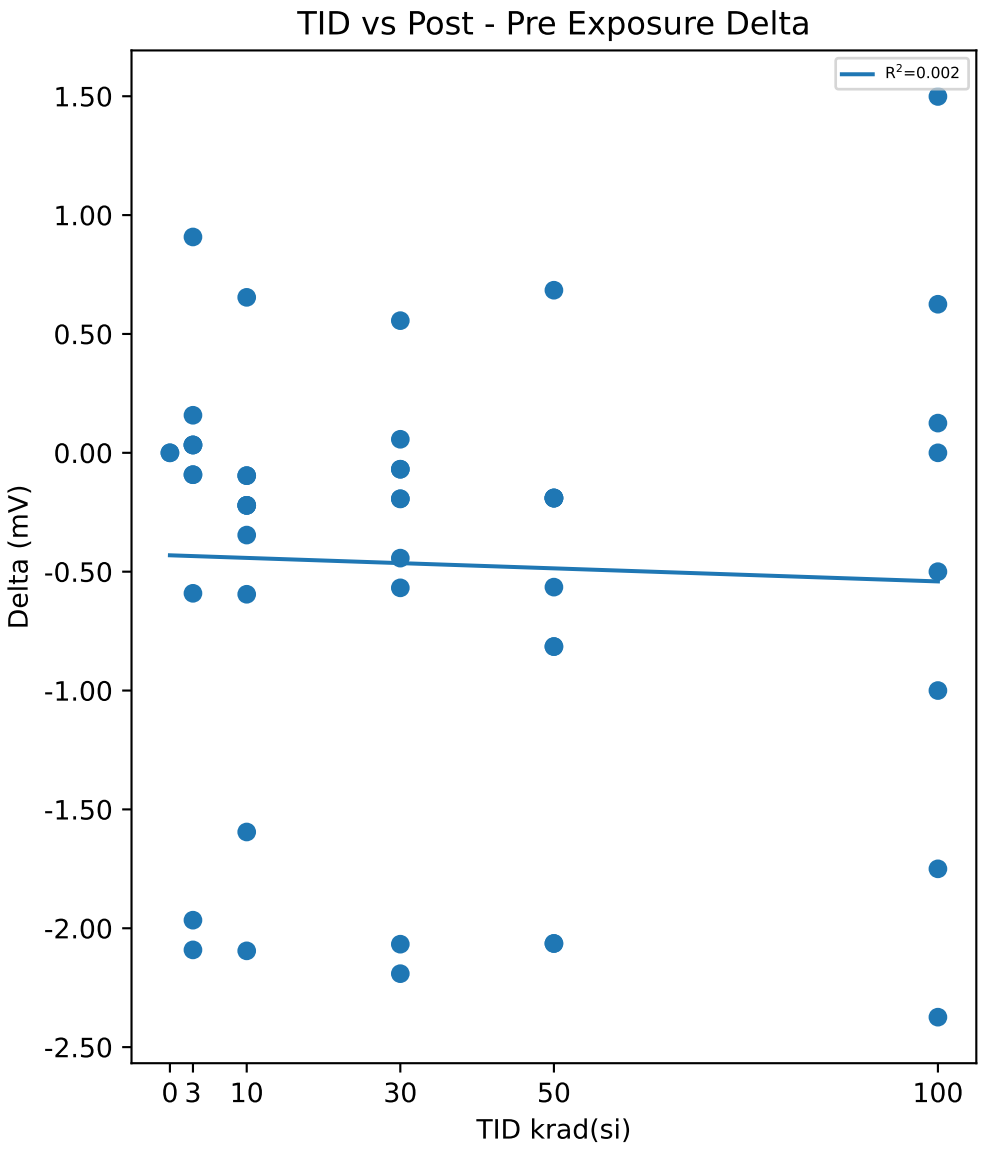



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.84 | 599.34 | 599.84 | 0.70711 | 598.84 | 599.34 | 599.84 | 0.70711 | 0 | 0 | 0 | 0 |
| 3 | 598.22 | 599.2 | 600.71 | 0.84202 | 598.47 | 599.11 | 600.09 | 0.54151 | -1.495 | -0.0959 | 0.754 | 0.70126 |
| 10 | 598.22 | 599.2 | 600.71 | 0.84202 | 598.29 | 599.54 | 600.28 | 0.7164 | -1.553 | 0.333 | 1.445 | 0.94487 |
| 30 | 598.22 | 599.2 | 600.71 | 0.84202 | 597.87 | 598.94 | 599.49 | 0.55586 | -2.349 | -0.2628 | 0.649 | 0.92176 |
| 50 | 598.22 | 599.2 | 600.71 | 0.84202 | 598.73 | 599.25 | 599.85 | 0.32167 | -1.736 | 0.0506 | 1.013 | 0.87559 |
| 100 | 597.59 | 598.93 | 600.09 | 0.7429 | 598.09 | 598.82 | 599.59 | 0.52763 | -1.25 | -0.10938 | 1.999 | 0.97806 |

# Device Test: 13.4 VTH_SENSE1_FALLING/SENSE1/1.6/3/0/0/0/@VTH_SENSE



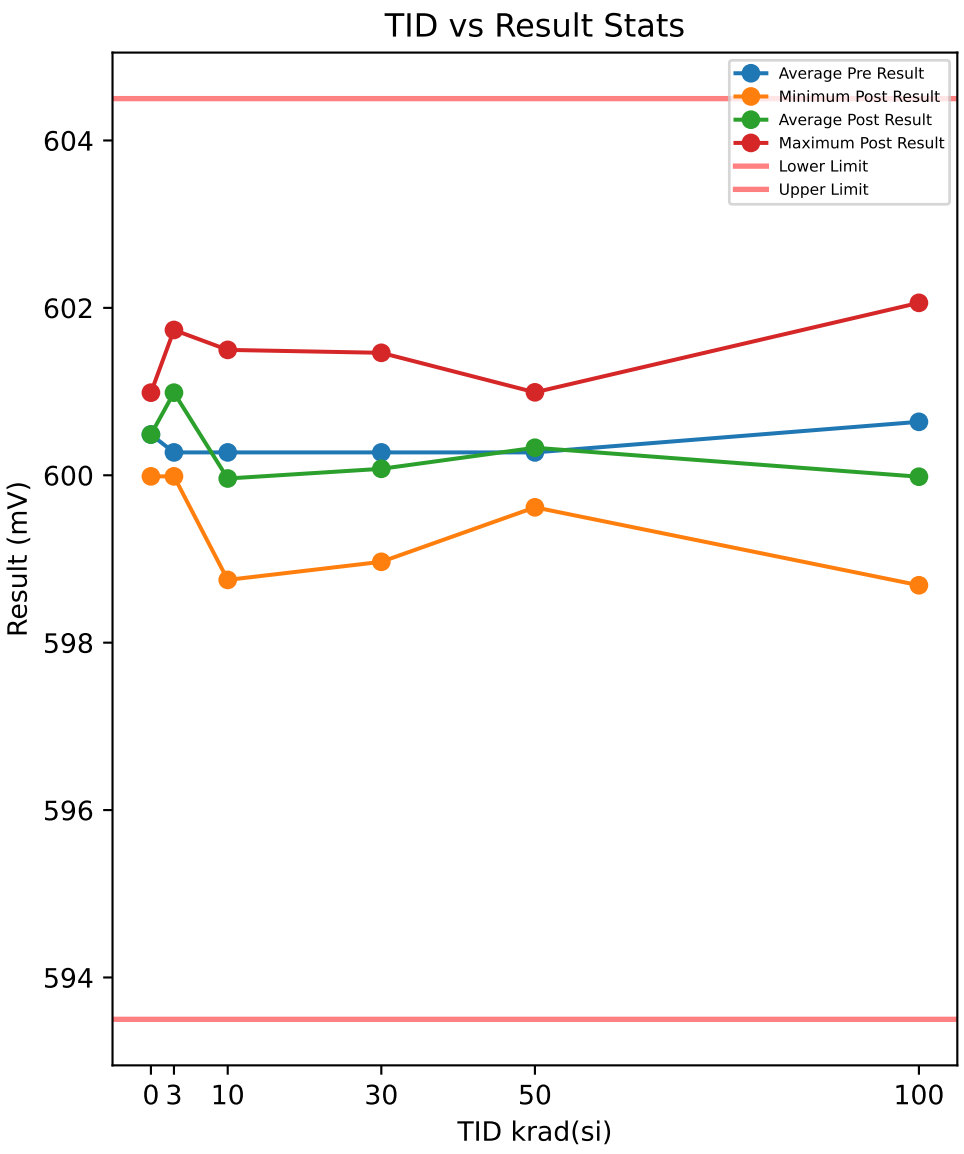

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

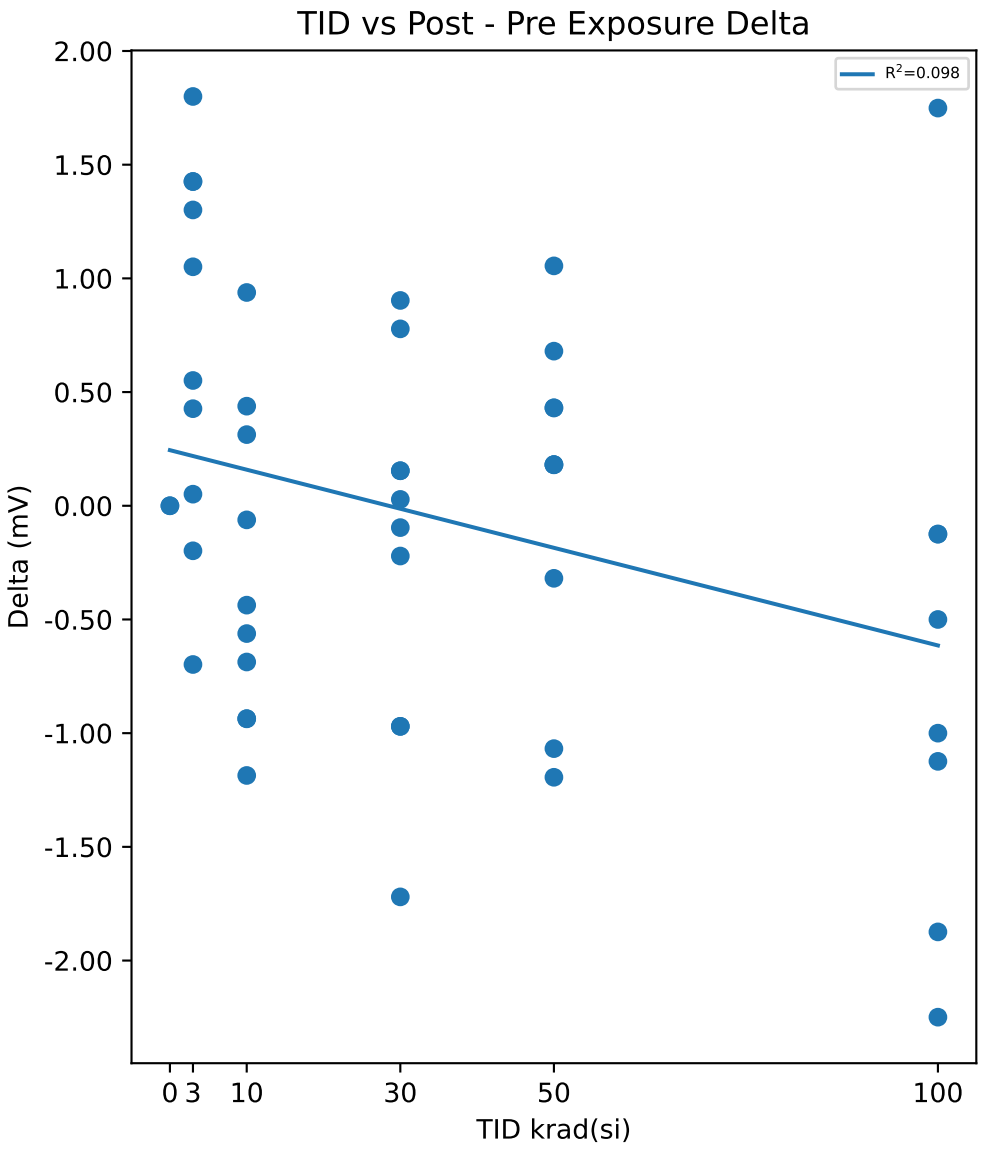
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.81 | 598.81 | 0 |
| 7 | 0 | Correlation | 599.44 | 599.44 | 0 |
| 16 | 3 | LDR-Biased | 600.15 | 598.19 | -1.966 |
| 18 | 3 | LDR-Biased | 599.4 | 599.56 | 0.158 |
| 19 | 3 | LDR-Biased | 600.03 | 599.44 | -0.591 |
| 20 | 3 | LDR-Biased | 598.78 | 598.81 | 0.033 |
| 21 | 3 | LDR-Biased | 599.53 | 599.44 | -0.092 |
| 22 | 3 | LDR-Unbiased | 598.9 | 598.81 | -0.092 |
| 23 | 3 | LDR-Unbiased | 598.78 | 599.69 | 0.908 |
| 25 | 3 | LDR-Unbiased | 599.4 | 599.44 | 0.033 |
| 26 | 3 | LDR-Unbiased | 599.53 | 599.56 | 0.033 |
| 27 | 3 | LDR-Unbiased | 600.9 | 598.81 | -2.091 |
| 46 | 10 | LDR-Biased | 600.15 | 598.56 | -1.595 |
| 48 | 10 | LDR-Biased | 599.4 | 599.31 | -0.096 |
| 49 | 10 | LDR-Biased | 600.03 | 599.43 | -0.595 |
| 50 | 10 | LDR-Biased | 598.78 | 598.56 | -0.221 |
| 51 | 10 | LDR-Biased | 599.53 | 599.43 | -0.096 |
| 52 | 10 | LDR-Unbiased | 598.9 | 598.56 | -0.346 |
| 53 | 10 | LDR-Unbiased | 598.78 | 599.43 | 0.654 |
| 55 | 10 | LDR-Unbiased | 599.4 | 599.18 | -0.221 |
| 56 | 10 | LDR-Unbiased | 599.53 | 599.31 | -0.221 |
| 57 | 10 | LDR-Unbiased | 600.9 | 598.81 | -2.095 |
| 76 | 30 | LDR-Biased | 600.15 | 597.96 | -2.191 |
| 78 | 30 | LDR-Biased | 599.4 | 598.84 | -0.568 |
| 79 | 30 | LDR-Biased | 600.03 | 599.59 | -0.443 |
| 80 | 30 | LDR-Biased | 598.78 | 598.84 | 0.057 |
| 81 | 30 | LDR-Biased | 599.53 | 599.46 | -0.069 |
| 82 | 30 | LDR-Unbiased | 598.9 | 598.71 | -0.193 |
| 83 | 30 | LDR-Unbiased | 598.78 | 599.34 | 0.556 |
| 84 | 30 | LDR-Unbiased | 600.9 | 598.84 | -2.067 |
| 85 | 30 | LDR-Unbiased | 599.4 | 599.34 | -0.069 |
| 86 | 30 | LDR-Unbiased | 599.53 | 599.34 | -0.194 |
| 87 | 100 | LDR-Biased | 599.4 | 599.53 | 0.125 |
| 88 | 100 | LDR-Biased | 599.9 | 598.9 | -1 |
| 90 | 100 | LDR-Biased | 599.4 | 598.9 | -0.5 |
| 91 | 100 | LDR-Unbiased | 598.78 | 599.4 | 0.625 |
| 93 | 100 | LDR-Unbiased | 598.65 | 600.15 | 1.499 |
| 94 | 100 | LDR-Unbiased | 599.9 | 598.15 | -1.75 |
| 95 | 100 | LDR-Unbiased | 598.78 | 598.78 | 0 |
| 96 | 100 | LDR-Unbiased | 600.65 | 598.28 | -2.374 |
| 106 | 50 | LDR-Biased | 600.15 | 598.09 | -2.064 |
| 108 | 50 | LDR-Biased | 599.4 | 598.59 | -0.815 |
| 109 | 50 | LDR-Biased | 600.03 | 599.46 | -0.565 |
| 110 | 50 | LDR-Biased | 598.78 | 598.59 | -0.19 |
| 111 | 50 | LDR-Biased | 599.53 | 598.71 | -0.815 |
| 112 | 50 | LDR-Unbiased | 598.9 | 598.71 | -0.19 |
| 113 | 50 | LDR-Unbiased | 598.78 | 599.46 | 0.684 |
| 115 | 50 | LDR-Unbiased | 599.4 | 599.21 | -0.19 |
| 116 | 50 | LDR-Unbiased | 599.53 | 599.34 | -0.191 |
| 117 | 50 | LDR-Unbiased | 600.9 | 598.84 | -2.064 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.81 | 599.12 | 599.44 | 0.44194 | 598.81 | 599.12 | 599.44 | 0.44194 | 0 | 0 | 0 | 0 |
| 3 | 598.78 | 599.54 | 600.9 | 0.67261 | 598.19 | 599.17 | 599.69 | 0.48752 | -2.091 | -0.3667 | 0.908 | 0.94937 |
| 10 | 598.78 | 599.54 | 600.9 | 0.67261 | 598.56 | 599.06 | 599.43 | 0.39087 | -2.095 | -0.4832 | 0.654 | 0.79335 |
| 30 | 598.78 | 599.54 | 600.9 | 0.67261 | 597.96 | 599.02 | 599.59 | 0.48612 | -2.191 | -0.5181 | 0.556 | 0.90089 |
| 50 | 598.78 | 599.54 | 600.9 | 0.67261 | 598.09 | 598.9 | 599.46 | 0.45319 | -2.064 | -0.64 | 0.684 | 0.86181 |
| 100 | 598.65 | 599.44 | 600.65 | 0.69652 | 598.15 | 599.01 | 600.15 | 0.66267 | -2.374 | -0.42188 | 1.499 | 1.2637 |

# Device Test: 13.40 VTH_SENSE3_RISING/SENSE3/7/14/0/0/0/@VTH_SENSE



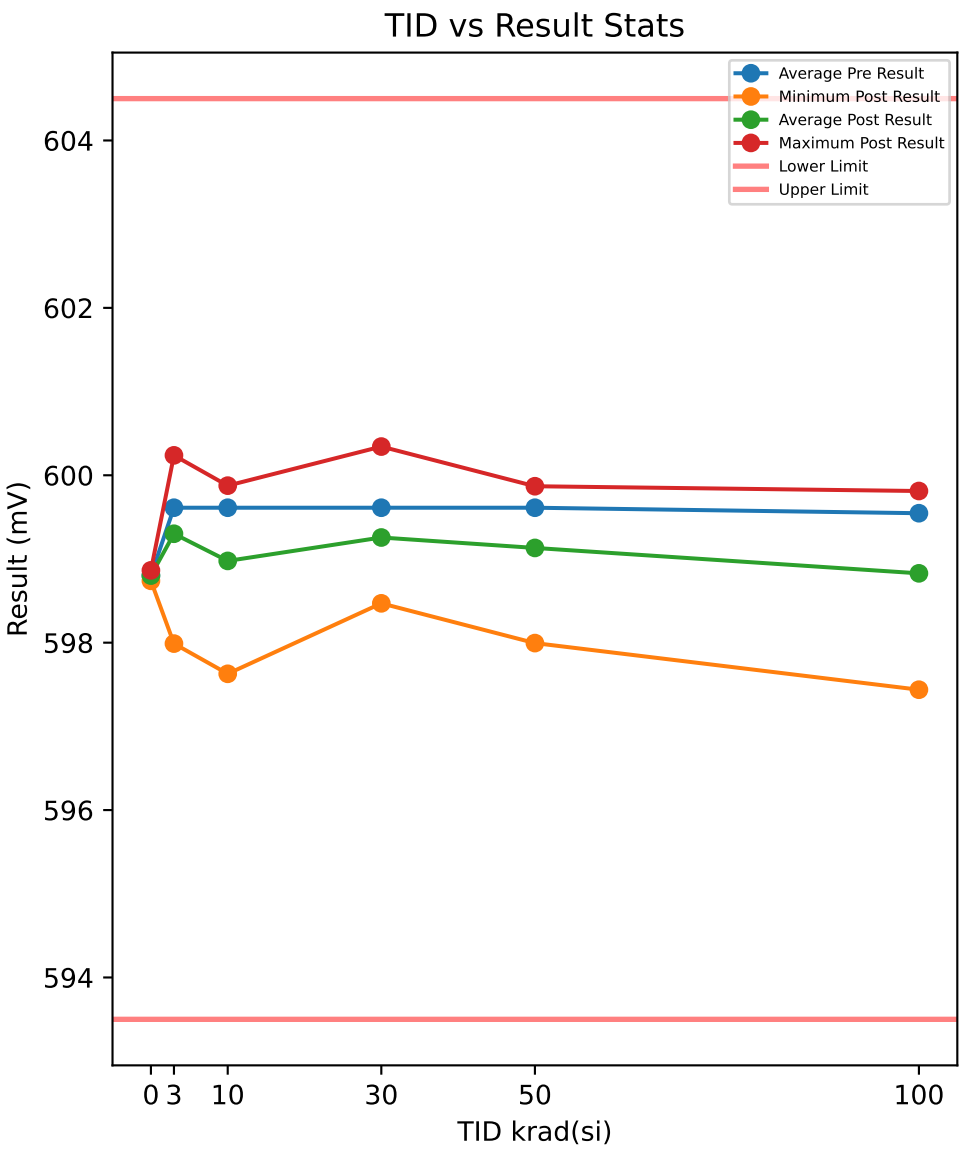

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

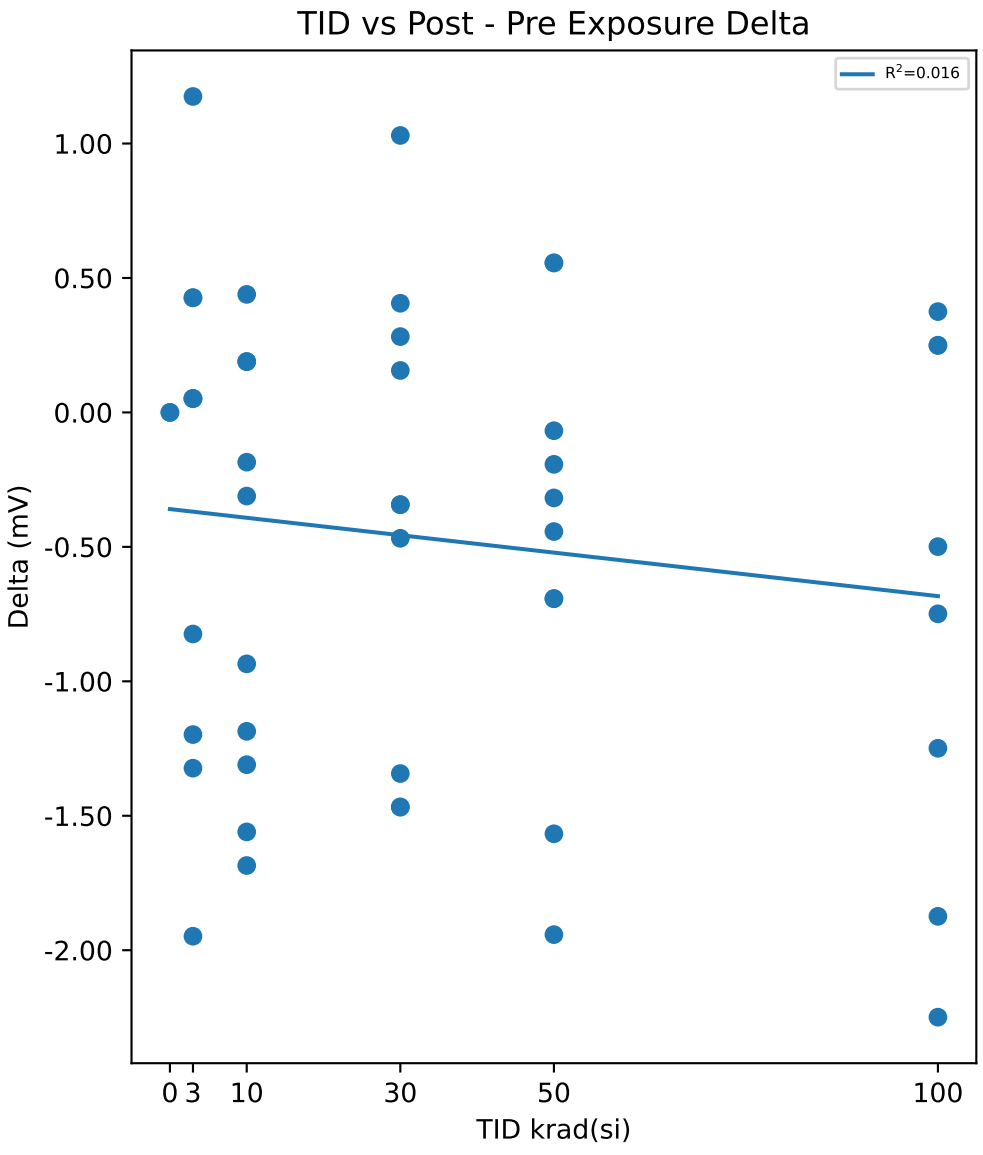
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.99 | 600.99 | 0 |
| 7 | 0 | Correlation | 599.99 | 599.99 | 0 |
| 16 | 3 | LDR-Biased | 601.43 | 601.24 | -0.198 |
| 18 | 3 | LDR-Biased | 599.81 | 601.11 | 1.301 |
| 19 | 3 | LDR-Biased | 601.18 | 600.49 | -0.698 |
| 20 | 3 | LDR-Biased | 599.94 | 599.99 | 0.051 |
| 21 | 3 | LDR-Biased | 599.94 | 601.74 | 1.8 |
| 22 | 3 | LDR-Unbiased | 600.31 | 600.86 | 0.551 |
| 23 | 3 | LDR-Unbiased | 599.56 | 600.99 | 1.426 |
| 25 | 3 | LDR-Unbiased | 600.56 | 600.99 | 0.427 |
| 26 | 3 | LDR-Unbiased | 599.69 | 601.11 | 1.426 |
| 27 | 3 | LDR-Unbiased | 600.31 | 601.36 | 1.051 |
| 46 | 10 | LDR-Biased | 601.43 | 600.5 | -0.937 |
| 48 | 10 | LDR-Biased | 599.81 | 599.37 | -0.437 |
| 49 | 10 | LDR-Biased | 601.18 | 600.25 | -0.936 |
| 50 | 10 | LDR-Biased | 599.94 | 598.75 | -1.186 |
| 51 | 10 | LDR-Biased | 599.94 | 600.25 | 0.313 |
| 52 | 10 | LDR-Unbiased | 600.31 | 599.62 | -0.687 |
| 53 | 10 | LDR-Unbiased | 599.56 | 599.5 | -0.062 |
| 55 | 10 | LDR-Unbiased | 600.56 | 601.5 | 0.938 |
| 56 | 10 | LDR-Unbiased | 599.69 | 600.12 | 0.438 |
| 57 | 10 | LDR-Unbiased | 600.31 | 599.75 | -0.562 |
| 76 | 30 | LDR-Biased | 601.43 | 599.72 | -1.72 |
| 78 | 30 | LDR-Biased | 599.81 | 599.97 | 0.154 |
| 79 | 30 | LDR-Biased | 601.18 | 600.22 | -0.97 |
| 80 | 30 | LDR-Biased | 599.94 | 598.97 | -0.97 |
| 81 | 30 | LDR-Biased | 599.94 | 599.84 | -0.096 |
| 82 | 30 | LDR-Unbiased | 600.31 | 600.09 | -0.221 |
| 83 | 30 | LDR-Unbiased | 599.56 | 600.34 | 0.778 |
| 84 | 30 | LDR-Unbiased | 600.31 | 600.34 | 0.028 |
| 85 | 30 | LDR-Unbiased | 600.56 | 601.46 | 0.903 |
| 86 | 30 | LDR-Unbiased | 599.69 | 599.84 | 0.154 |
| 87 | 100 | LDR-Biased | 601.31 | 600.19 | -1.124 |
| 88 | 100 | LDR-Biased | 600.19 | 599.19 | -1 |
| 90 | 100 | LDR-Biased | 599.94 | 599.81 | -0.125 |
| 91 | 100 | LDR-Unbiased | 600.56 | 600.44 | -0.124 |
| 93 | 100 | LDR-Unbiased | 600.31 | 602.06 | 1.749 |
| 94 | 100 | LDR-Unbiased | 600.93 | 598.69 | -2.249 |
| 95 | 100 | LDR-Unbiased | 600.06 | 599.56 | -0.5 |
| 96 | 100 | LDR-Unbiased | 601.81 | 599.94 | -1.874 |
| 106 | 50 | LDR-Biased | 601.43 | 600.24 | -1.194 |
| 108 | 50 | LDR-Biased | 599.81 | 600.87 | 1.055 |
| 109 | 50 | LDR-Biased | 601.18 | 600.12 | -1.068 |
| 110 | 50 | LDR-Biased | 599.94 | 599.62 | -0.319 |
| 111 | 50 | LDR-Biased | 599.94 | 600.62 | 0.68 |
| 112 | 50 | LDR-Unbiased | 600.31 | 600.49 | 0.18 |
| 113 | 50 | LDR-Unbiased | 599.56 | 599.74 | 0.181 |
| 115 | 50 | LDR-Unbiased | 600.56 | 600.99 | 0.431 |
| 116 | 50 | LDR-Unbiased | 599.69 | 599.87 | 0.181 |
| 117 | 50 | LDR-Unbiased | 600.31 | 600.74 | 0.43 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.99 | 600.49 | 600.99 | 0.70711 | 599.99 | 600.49 | 600.99 | 0.70711 | 0 | 0 | 0 | 0 |
| 3 | 599.56 | 600.27 | 601.43 | 0.62887 | 599.99 | 600.99 | 601.74 | 0.47854 | -0.698 | 0.7137 | 1.8 | 0.81822 |
| 10 | 599.56 | 600.27 | 601.43 | 0.62887 | 598.75 | 599.96 | 601.5 | 0.74731 | -1.186 | -0.3118 | 0.938 | 0.69448 |
| 30 | 599.56 | 600.27 | 601.43 | 0.62887 | 598.97 | 600.08 | 601.46 | 0.62962 | -1.72 | -0.196 | 0.903 | 0.81534 |
| 50 | 599.56 | 600.27 | 601.43 | 0.62887 | 599.62 | 600.33 | 600.99 | 0.48564 | -1.194 | 0.0557 | 1.055 | 0.72119 |
| 100 | 599.94 | 600.64 | 601.81 | 0.66078 | 598.69 | 599.98 | 602.06 | 1.0062 | -2.249 | -0.65587 | 1.749 | 1.2382 |

# Device Test: 13.41 VTH_SENSE3_FALLING/SENSE3/7/14/0/0/0/@VTH_SENSE



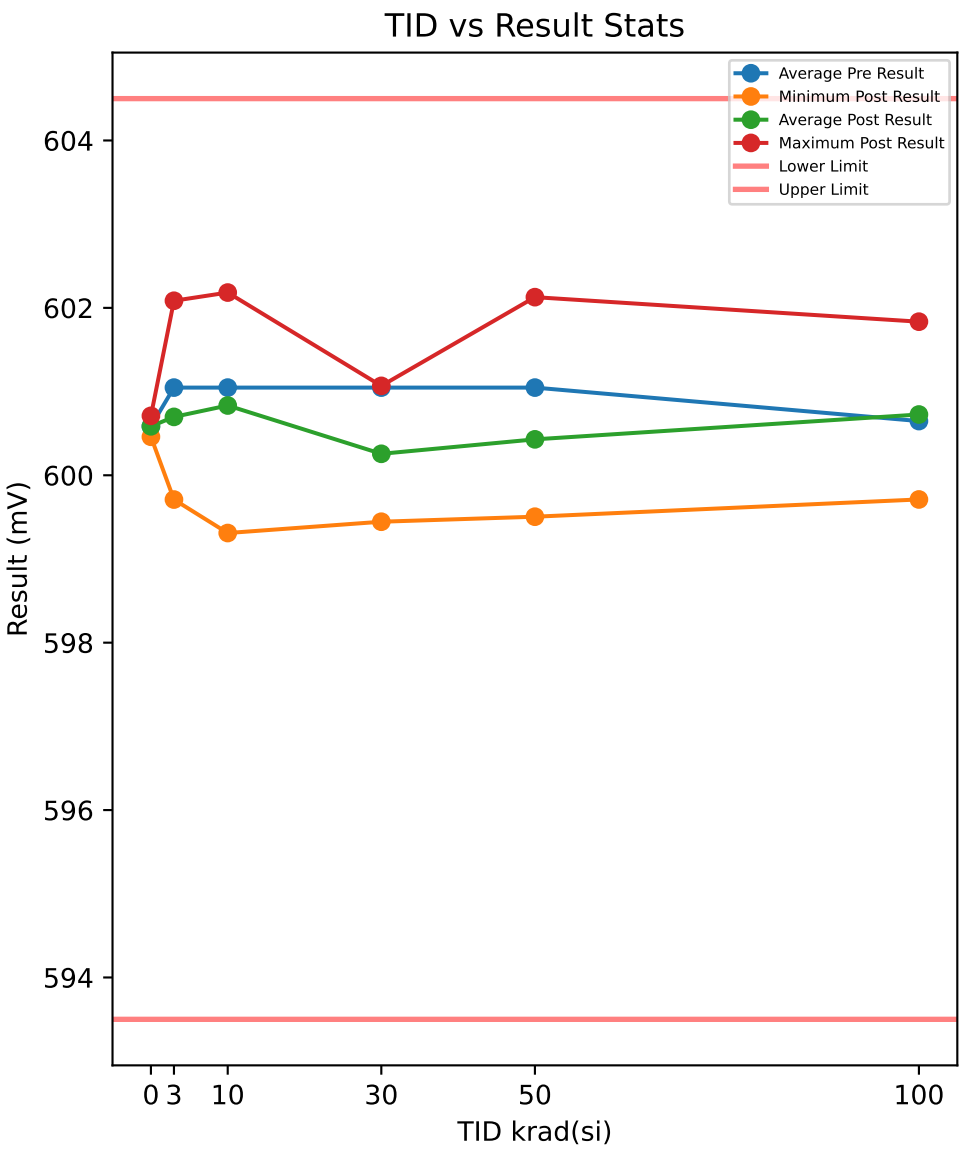

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

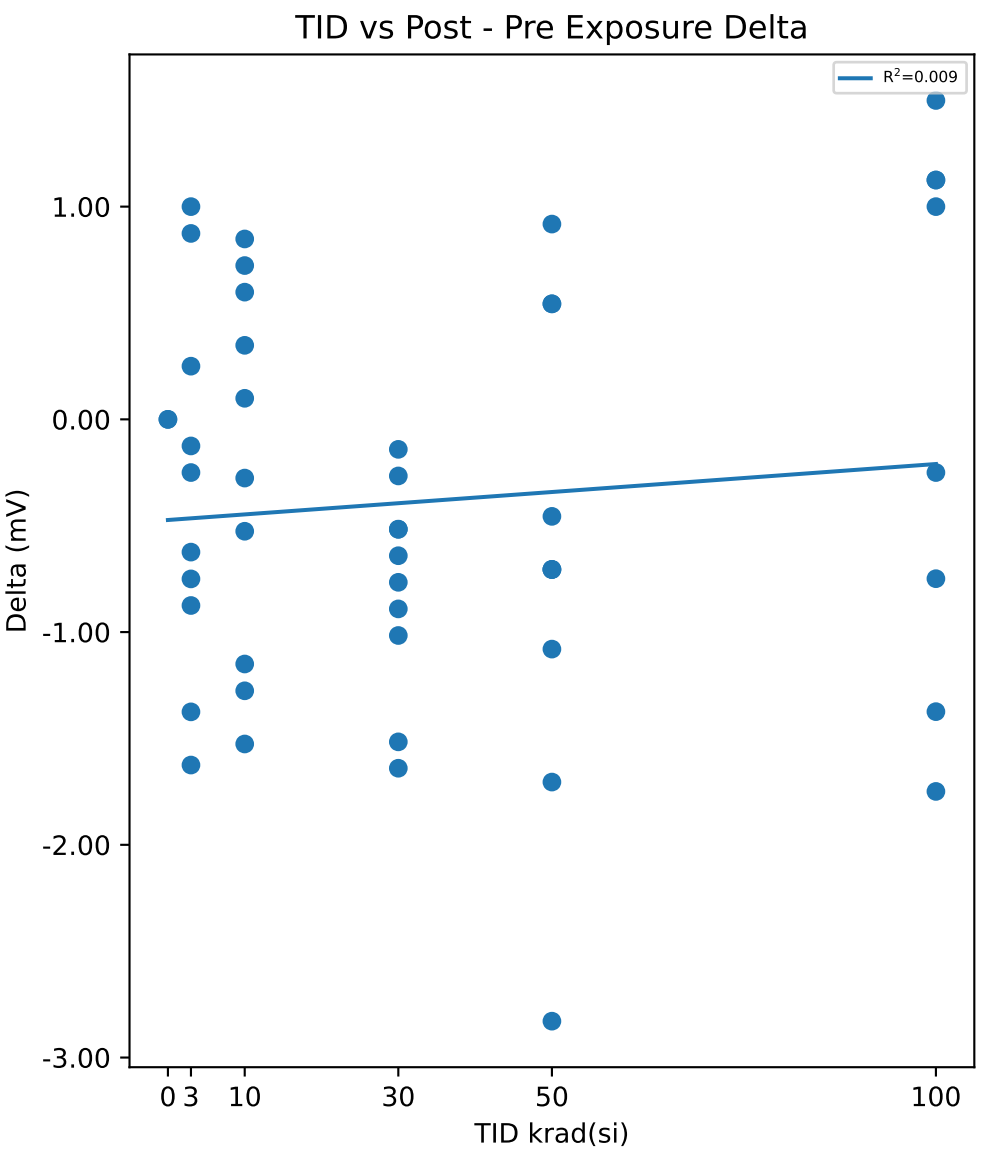
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.74 | 598.74 | 0 |
| 7 | 0 | Correlation | 598.86 | 598.86 | 0 |
| 16 | 3 | LDR-Biased | 599.06 | 598.24 | -0.824 |
| 18 | 3 | LDR-Biased | 599.31 | 599.74 | 0.427 |
| 19 | 3 | LDR-Biased | 600.56 | 599.36 | -1.198 |
| 20 | 3 | LDR-Biased | 599.94 | 597.99 | -1.948 |
| 21 | 3 | LDR-Biased | 599.44 | 599.49 | 0.052 |
| 22 | 3 | LDR-Unbiased | 599.44 | 599.49 | 0.052 |
| 23 | 3 | LDR-Unbiased | 598.94 | 599.36 | 0.426 |
| 25 | 3 | LDR-Unbiased | 599.94 | 599.99 | 0.051 |
| 26 | 3 | LDR-Unbiased | 599.06 | 600.24 | 1.175 |
| 27 | 3 | LDR-Unbiased | 600.44 | 599.11 | -1.323 |
| 46 | 10 | LDR-Biased | 599.06 | 598.75 | -0.311 |
| 48 | 10 | LDR-Biased | 599.31 | 599.5 | 0.189 |
| 49 | 10 | LDR-Biased | 600.56 | 599.38 | -1.186 |
| 50 | 10 | LDR-Biased | 599.94 | 598.38 | -1.56 |
| 51 | 10 | LDR-Biased | 599.44 | 599.25 | -0.185 |
| 52 | 10 | LDR-Unbiased | 599.44 | 599.88 | 0.439 |
| 53 | 10 | LDR-Unbiased | 598.94 | 597.63 | -1.31 |
| 55 | 10 | LDR-Unbiased | 599.94 | 599 | -0.935 |
| 56 | 10 | LDR-Unbiased | 599.06 | 599.25 | 0.189 |
| 57 | 10 | LDR-Unbiased | 600.44 | 598.75 | -1.685 |
| 76 | 30 | LDR-Biased | 599.06 | 598.6 | -0.468 |
| 78 | 30 | LDR-Biased | 599.31 | 599.59 | 0.282 |
| 79 | 30 | LDR-Biased | 600.56 | 599.22 | -1.343 |
| 80 | 30 | LDR-Biased | 599.94 | 598.47 | -1.467 |
| 81 | 30 | LDR-Biased | 599.44 | 599.09 | -0.343 |
| 82 | 30 | LDR-Unbiased | 599.44 | 599.09 | -0.343 |
| 83 | 30 | LDR-Unbiased | 598.94 | 599.09 | 0.156 |
| 84 | 30 | LDR-Unbiased | 600.44 | 598.97 | -1.468 |
| 85 | 30 | LDR-Unbiased | 599.94 | 600.34 | 0.406 |
| 86 | 30 | LDR-Unbiased | 599.06 | 600.09 | 1.03 |
| 87 | 100 | LDR-Biased | 599.06 | 599.31 | 0.249 |
| 88 | 100 | LDR-Biased | 600.31 | 599.06 | -1.249 |
| 90 | 100 | LDR-Biased | 599.56 | 599.06 | -0.499 |
| 91 | 100 | LDR-Unbiased | 598.81 | 599.19 | 0.375 |
| 93 | 100 | LDR-Unbiased | 599.56 | 599.81 | 0.25 |
| 94 | 100 | LDR-Unbiased | 599.69 | 597.44 | -2.249 |
| 95 | 100 | LDR-Unbiased | 599.44 | 598.69 | -0.749 |
| 96 | 100 | LDR-Unbiased | 599.94 | 598.06 | -1.874 |
| 106 | 50 | LDR-Biased | 599.06 | 599.62 | 0.556 |
| 108 | 50 | LDR-Biased | 599.31 | 599.24 | -0.068 |
| 109 | 50 | LDR-Biased | 600.56 | 599.87 | -0.693 |
| 110 | 50 | LDR-Biased | 599.94 | 598 | -1.942 |
| 111 | 50 | LDR-Biased | 599.44 | 599.12 | -0.318 |
| 112 | 50 | LDR-Unbiased | 599.44 | 598.75 | -0.692 |
| 113 | 50 | LDR-Unbiased | 598.94 | 599.49 | 0.556 |
| 115 | 50 | LDR-Unbiased | 599.94 | 599.74 | -0.193 |
| 116 | 50 | LDR-Unbiased | 599.06 | 598.62 | -0.443 |
| 117 | 50 | LDR-Unbiased | 600.44 | 598.87 | -1.567 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.74 | 598.8 | 598.86 | 0.088388 | 598.74 | 598.8 | 598.86 | 0.088388 | 0 | 0 | 0 | 0 |
| 3 | 598.94 | 599.61 | 600.56 | 0.57761 | 597.99 | 599.3 | 600.24 | 0.70747 | -1.948 | -0.311 | 1.175 | 0.96864 |
| 10 | 598.94 | 599.61 | 600.56 | 0.57761 | 597.63 | 598.98 | 599.88 | 0.639 | -1.685 | -0.6355 | 0.439 | 0.79066 |
| 30 | 598.94 | 599.61 | 600.56 | 0.57761 | 598.47 | 599.26 | 600.34 | 0.59755 | -1.468 | -0.3558 | 1.03 | 0.85821 |
| 50 | 598.94 | 599.61 | 600.56 | 0.57761 | 598 | 599.13 | 599.87 | 0.58423 | -1.942 | -0.4804 | 0.556 | 0.80524 |
| 100 | 598.81 | 599.55 | 600.31 | 0.46942 | 597.44 | 598.83 | 599.81 | 0.75399 | -2.249 | -0.71825 | 0.375 | 1.0056 |

# Device Test: 13.42 VTH_SENSE4_RISING/SENSE4/7/14/0/0/0/@VTH_SENSE



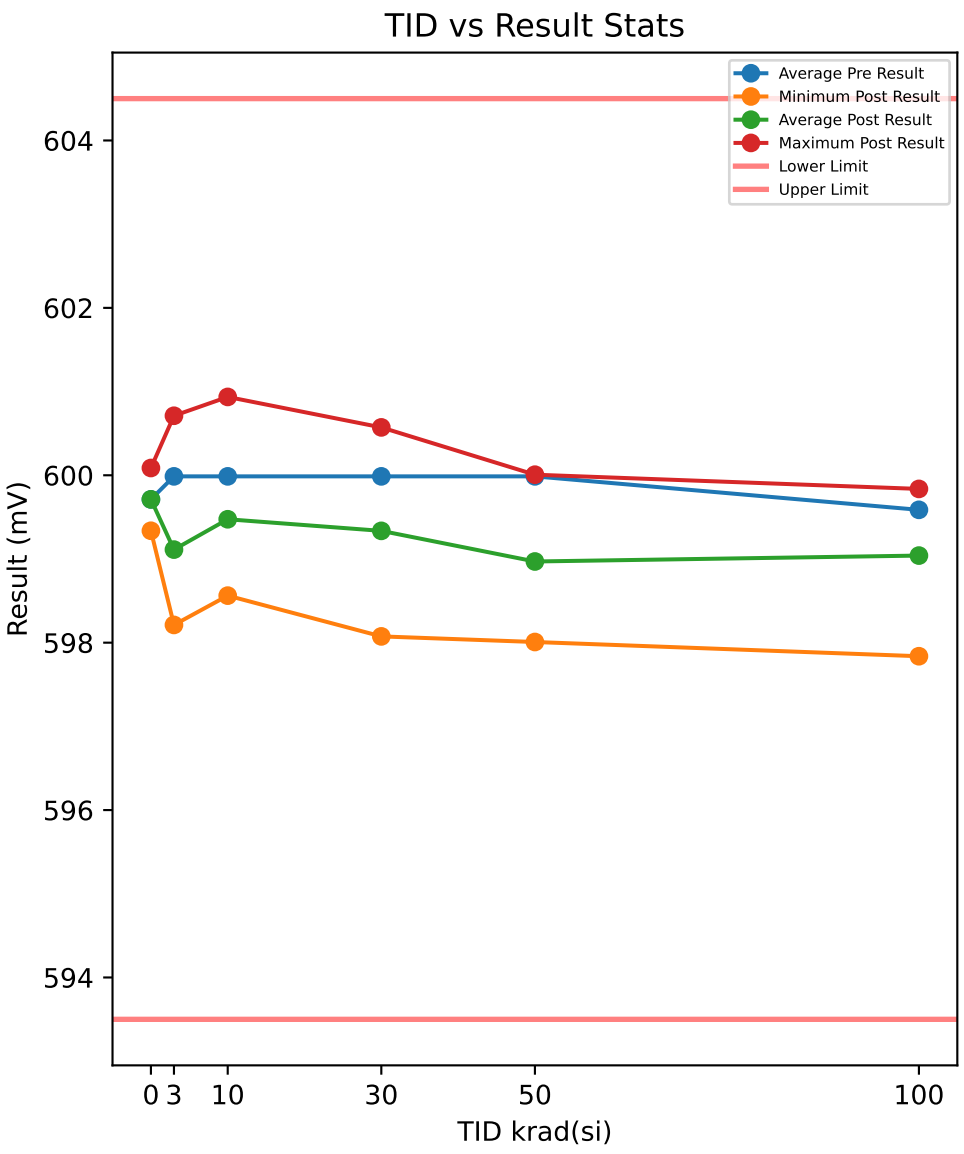

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

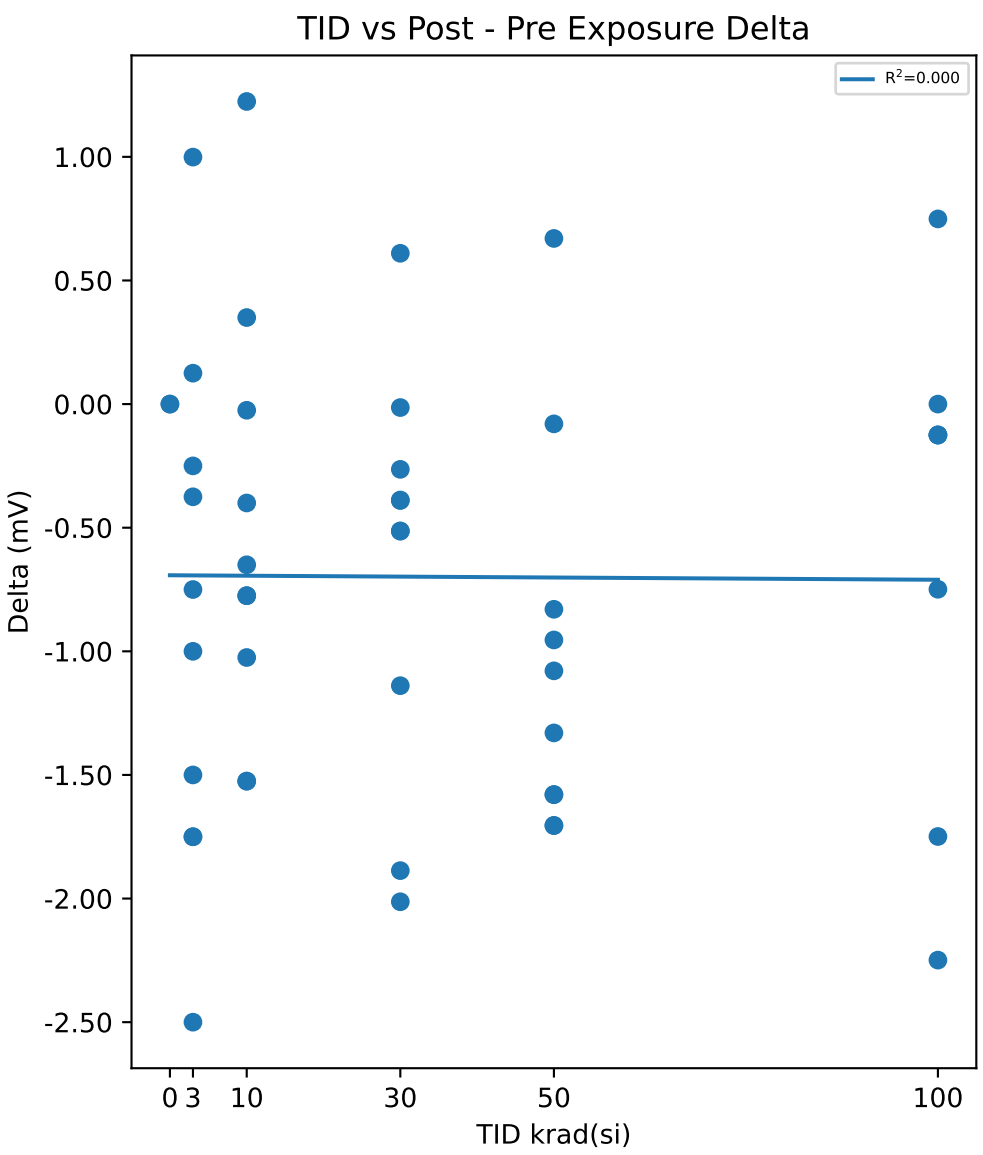
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.71 | 600.71 | 0 |
| 7 | 0 | Correlation | 600.46 | 600.46 | 0 |
| 16 | 3 | LDR-Biased | 601.09 | 602.09 | 1 |
| 18 | 3 | LDR-Biased | 601.46 | 600.09 | -1.375 |
| 19 | 3 | LDR-Biased | 602.46 | 601.84 | -0.624 |
| 20 | 3 | LDR-Biased | 600.84 | 599.96 | -0.875 |
| 21 | 3 | LDR-Biased | 600.71 | 599.96 | -0.75 |
| 22 | 3 | LDR-Unbiased | 599.96 | 600.84 | 0.874 |
| 23 | 3 | LDR-Unbiased | 600.46 | 600.21 | -0.25 |
| 25 | 3 | LDR-Unbiased | 601.59 | 601.46 | -0.125 |
| 26 | 3 | LDR-Unbiased | 600.59 | 600.84 | 0.25 |
| 27 | 3 | LDR-Unbiased | 601.34 | 599.71 | -1.625 |
| 46 | 10 | LDR-Biased | 601.09 | 601.93 | 0.848 |
| 48 | 10 | LDR-Biased | 601.46 | 600.93 | -0.526 |
| 49 | 10 | LDR-Biased | 602.46 | 601.18 | -1.276 |
| 50 | 10 | LDR-Biased | 600.84 | 601.56 | 0.723 |
| 51 | 10 | LDR-Biased | 600.71 | 600.43 | -0.276 |
| 52 | 10 | LDR-Unbiased | 599.96 | 600.31 | 0.348 |
| 53 | 10 | LDR-Unbiased | 600.46 | 599.31 | -1.15 |
| 55 | 10 | LDR-Unbiased | 601.59 | 602.18 | 0.598 |
| 56 | 10 | LDR-Unbiased | 600.59 | 600.68 | 0.099 |
| 57 | 10 | LDR-Unbiased | 601.34 | 599.81 | -1.526 |
| 76 | 30 | LDR-Biased | 601.09 | 600.19 | -0.891 |
| 78 | 30 | LDR-Biased | 601.46 | 600.44 | -1.016 |
| 79 | 30 | LDR-Biased | 602.46 | 600.94 | -1.516 |
| 80 | 30 | LDR-Biased | 600.84 | 600.07 | -0.766 |
| 81 | 30 | LDR-Biased | 600.71 | 600.07 | -0.641 |
| 82 | 30 | LDR-Unbiased | 599.96 | 599.45 | -0.516 |
| 83 | 30 | LDR-Unbiased | 600.46 | 600.32 | -0.141 |
| 84 | 30 | LDR-Unbiased | 601.34 | 599.7 | -1.64 |
| 85 | 30 | LDR-Unbiased | 601.59 | 601.07 | -0.517 |
| 86 | 30 | LDR-Unbiased | 600.59 | 600.32 | -0.266 |
| 87 | 100 | LDR-Biased | 600.34 | 601.34 | 1 |
| 88 | 100 | LDR-Biased | 600.96 | 600.71 | -0.25 |
| 90 | 100 | LDR-Biased | 600.71 | 599.96 | -0.749 |
| 91 | 100 | LDR-Unbiased | 600.71 | 601.84 | 1.125 |
| 93 | 100 | LDR-Unbiased | 600.09 | 601.21 | 1.125 |
| 94 | 100 | LDR-Unbiased | 601.09 | 599.71 | -1.374 |
| 95 | 100 | LDR-Unbiased | 599.59 | 601.09 | 1.499 |
| 96 | 100 | LDR-Unbiased | 601.71 | 599.96 | -1.749 |
| 106 | 50 | LDR-Biased | 601.09 | 602 | 0.918 |
| 108 | 50 | LDR-Biased | 601.46 | 600.75 | -0.706 |
| 109 | 50 | LDR-Biased | 602.46 | 599.63 | -2.829 |
| 110 | 50 | LDR-Biased | 600.84 | 600.13 | -0.706 |
| 111 | 50 | LDR-Biased | 600.71 | 600.25 | -0.456 |
| 112 | 50 | LDR-Unbiased | 599.96 | 600.5 | 0.543 |
| 113 | 50 | LDR-Unbiased | 600.46 | 599.75 | -0.705 |
| 115 | 50 | LDR-Unbiased | 601.59 | 602.13 | 0.543 |
| 116 | 50 | LDR-Unbiased | 600.59 | 599.5 | -1.08 |
| 117 | 50 | LDR-Unbiased | 601.34 | 599.63 | -1.705 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.46 | 600.59 | 600.71 | 0.17678 | 600.46 | 600.59 | 600.71 | 0.17678 | 0 | 0 | 0 | 0 |
| 3 | 599.96 | 601.05 | 602.46 | 0.70191 | 599.71 | 600.7 | 602.09 | 0.85076 | -1.625 | -0.35 | 1 | 0.87739 |
| 10 | 599.96 | 601.05 | 602.46 | 0.70191 | 599.31 | 600.83 | 602.18 | 0.91378 | -1.526 | -0.2138 | 0.848 | 0.87594 |
| 30 | 599.96 | 601.05 | 602.46 | 0.70191 | 599.45 | 600.26 | 601.07 | 0.49675 | -1.64 | -0.791 | -0.141 | 0.49205 |
| 50 | 599.96 | 601.05 | 602.46 | 0.70191 | 599.5 | 600.43 | 602.13 | 0.9534 | -2.829 | -0.6183 | 0.918 | 1.1249 |
| 100 | 599.59 | 600.65 | 601.71 | 0.651 | 599.71 | 600.73 | 601.84 | 0.77135 | -1.749 | 0.078375 | 1.499 | 1.2705 |

# Device Test: 13.43 VTH_SENSE4_FALLING/SENSE4/7/14/0/0/0/@VTH_SENSE



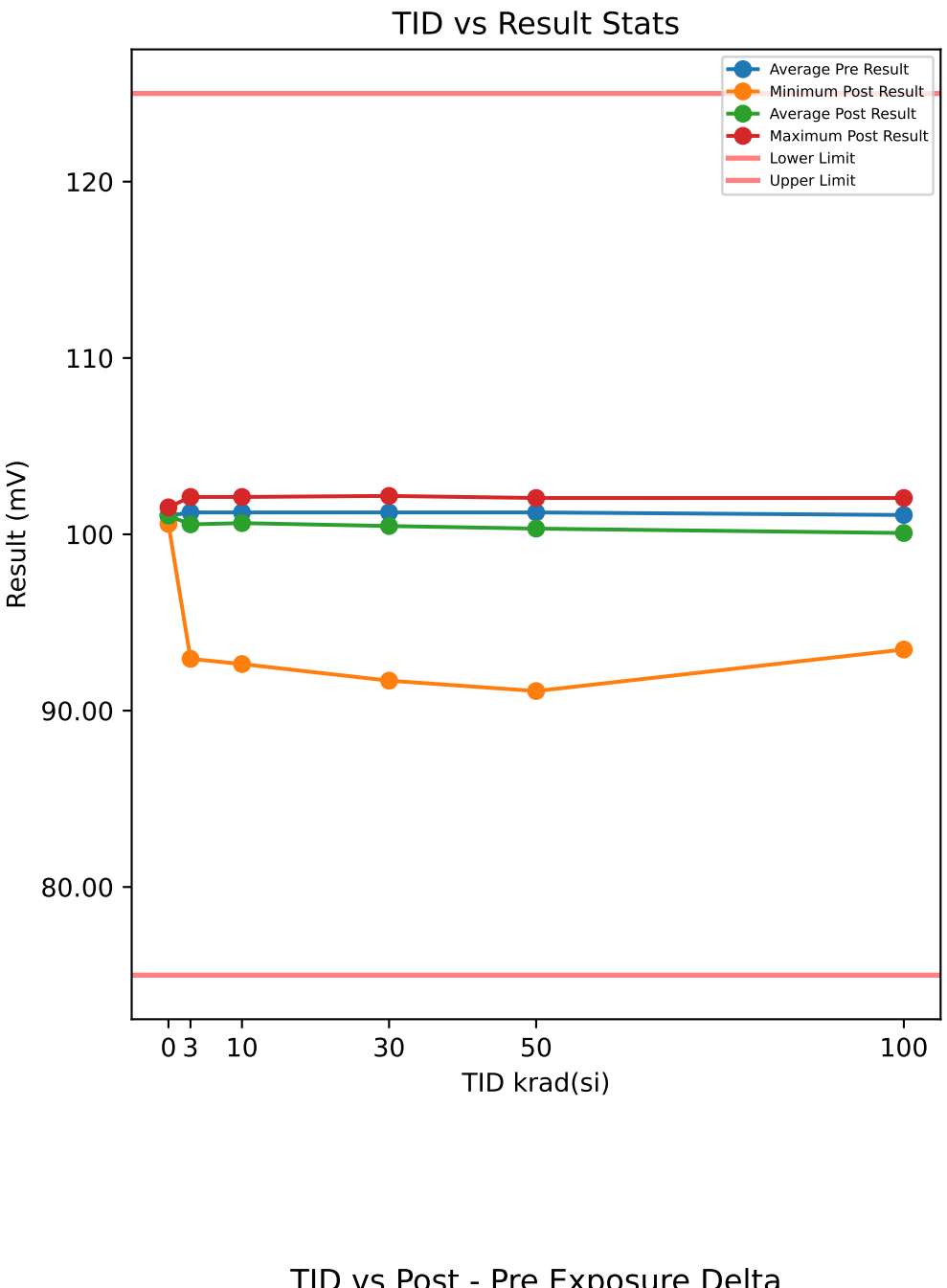

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

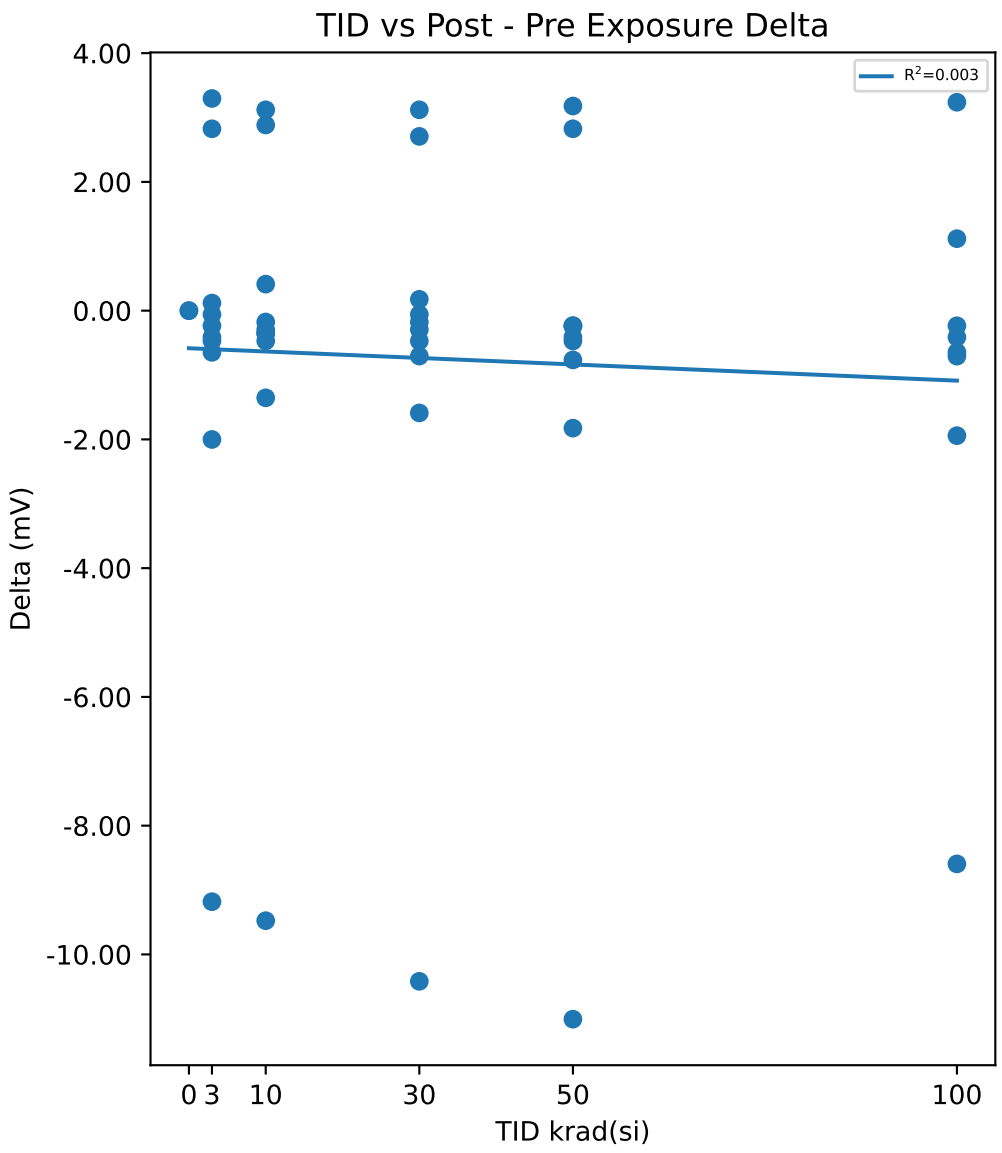
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 599.34 | 599.34 | 0 |
| 7 | 0 | Correlation | 600.09 | 600.09 | 0 |
| 16 | 3 | LDR-Biased | 600.96 | 598.46 | -2.5 |
| 18 | 3 | LDR-Biased | 600.46 | 598.71 | -1.75 |
| 19 | 3 | LDR-Biased | 600.96 | 599.46 | -1.5 |
| 20 | 3 | LDR-Biased | 599.96 | 598.21 | -1.75 |
| 21 | 3 | LDR-Biased | 599.09 | 599.21 | 0.125 |
| 22 | 3 | LDR-Unbiased | 599.34 | 598.96 | -0.375 |
| 23 | 3 | LDR-Unbiased | 599.34 | 599.09 | -0.25 |
| 25 | 3 | LDR-Unbiased | 599.71 | 600.71 | 0.999 |
| 26 | 3 | LDR-Unbiased | 600.09 | 599.09 | -1 |
| 27 | 3 | LDR-Unbiased | 599.96 | 599.21 | -0.75 |
| 46 | 10 | LDR-Biased | 600.96 | 599.94 | -1.025 |
| 48 | 10 | LDR-Biased | 600.46 | 598.94 | -1.525 |
| 49 | 10 | LDR-Biased | 600.96 | 599.44 | -1.525 |
| 50 | 10 | LDR-Biased | 599.96 | 599.19 | -0.775 |
| 51 | 10 | LDR-Biased | 599.09 | 599.44 | 0.35 |
| 52 | 10 | LDR-Unbiased | 599.34 | 599.31 | -0.025 |
| 53 | 10 | LDR-Unbiased | 599.34 | 598.56 | -0.775 |
| 55 | 10 | LDR-Unbiased | 599.71 | 600.94 | 1.224 |
| 56 | 10 | LDR-Unbiased | 600.09 | 599.69 | -0.4 |
| 57 | 10 | LDR-Unbiased | 599.96 | 599.31 | -0.65 |
| 76 | 30 | LDR-Biased | 600.96 | 598.95 | -2.013 |
| 78 | 30 | LDR-Biased | 600.46 | 599.32 | -1.139 |
| 79 | 30 | LDR-Biased | 600.96 | 600.57 | -0.39 |
| 80 | 30 | LDR-Biased | 599.96 | 599.45 | -0.514 |
| 81 | 30 | LDR-Biased | 599.09 | 598.7 | -0.388 |
| 82 | 30 | LDR-Unbiased | 599.34 | 599.32 | -0.014 |
| 83 | 30 | LDR-Unbiased | 599.34 | 598.82 | -0.513 |
| 84 | 30 | LDR-Unbiased | 599.96 | 598.08 | -1.887 |
| 85 | 30 | LDR-Unbiased | 599.71 | 600.32 | 0.61 |
| 86 | 30 | LDR-Unbiased | 600.09 | 599.82 | -0.264 |
| 87 | 100 | LDR-Biased | 599.21 | 599.21 | 0 |
| 88 | 100 | LDR-Biased | 599.84 | 599.71 | -0.125 |
| 90 | 100 | LDR-Biased | 599.46 | 599.34 | -0.125 |
| 91 | 100 | LDR-Unbiased | 599.96 | 599.84 | -0.125 |
| 93 | 100 | LDR-Unbiased | 598.59 | 599.34 | 0.749 |
| 94 | 100 | LDR-Unbiased | 600.09 | 597.84 | -2.249 |
| 95 | 100 | LDR-Unbiased | 599.21 | 598.46 | -0.749 |
| 96 | 100 | LDR-Unbiased | 600.34 | 598.59 | -1.749 |
| 106 | 50 | LDR-Biased | 600.96 | 599.26 | -1.705 |
| 108 | 50 | LDR-Biased | 600.46 | 599.63 | -0.83 |
| 109 | 50 | LDR-Biased | 600.96 | 599.38 | -1.58 |
| 110 | 50 | LDR-Biased | 599.96 | 598.38 | -1.579 |
| 111 | 50 | LDR-Biased | 599.09 | 598.01 | -1.079 |
| 112 | 50 | LDR-Unbiased | 599.34 | 600.01 | 0.67 |
| 113 | 50 | LDR-Unbiased | 599.34 | 598.38 | -0.954 |
| 115 | 50 | LDR-Unbiased | 599.71 | 599.63 | -0.08 |
| 116 | 50 | LDR-Unbiased | 600.09 | 598.76 | -1.33 |
| 117 | 50 | LDR-Unbiased | 599.96 | 598.26 | -1.704 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.34 | 599.71 | 600.09 | 0.53033 | 599.34 | 599.71 | 600.09 | 0.53033 | 0 | 0 | 0 | 0 |
| 3 | 599.09 | 599.99 | 600.96 | 0.65564 | 598.21 | 599.11 | 600.71 | 0.67623 | -2.5 | -0.8751 | 0.999 | 1.0406 |
| 10 | 599.09 | 599.99 | 600.96 | 0.65564 | 598.56 | 599.47 | 600.94 | 0.63726 | -1.525 | -0.5126 | 1.224 | 0.84848 |
| 30 | 599.09 | 599.99 | 600.96 | 0.65564 | 598.08 | 599.34 | 600.57 | 0.75702 | -2.013 | -0.6512 | 0.61 | 0.81252 |
| 50 | 599.09 | 599.99 | 600.96 | 0.65564 | 598.01 | 598.97 | 600.01 | 0.69689 | -1.705 | -1.0171 | 0.67 | 0.77766 |
| 100 | 598.59 | 599.59 | 600.34 | 0.57452 | 597.84 | 599.04 | 599.84 | 0.68398 | -2.249 | -0.54663 | 0.749 | 0.99251 |

# Device Test: 13.44 VTH_UP_HYS/UP/7/14/0/0/0/@UP_DOWN_VHYS



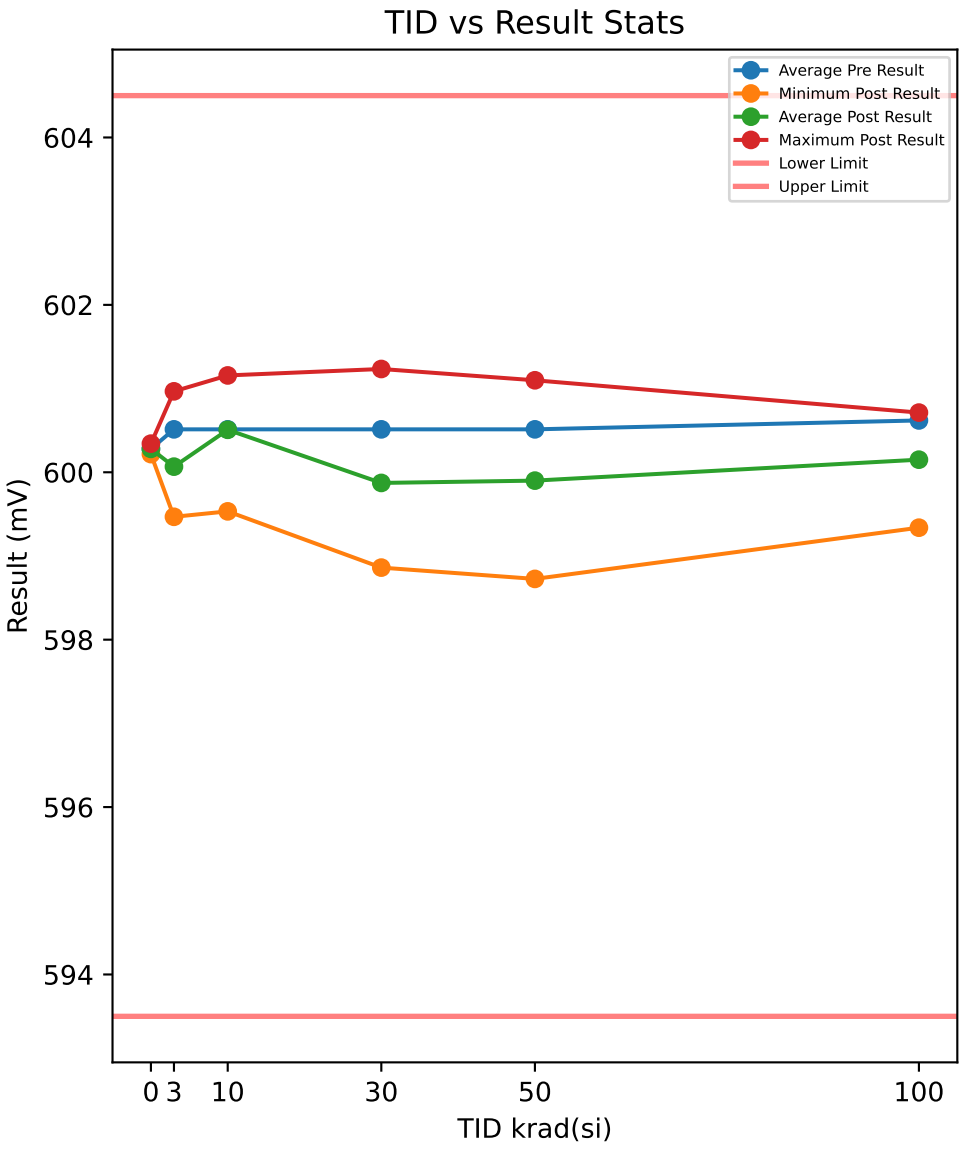

Test Results (Lower Limit = 75.0, Upper Limit = 125.0 (mV))

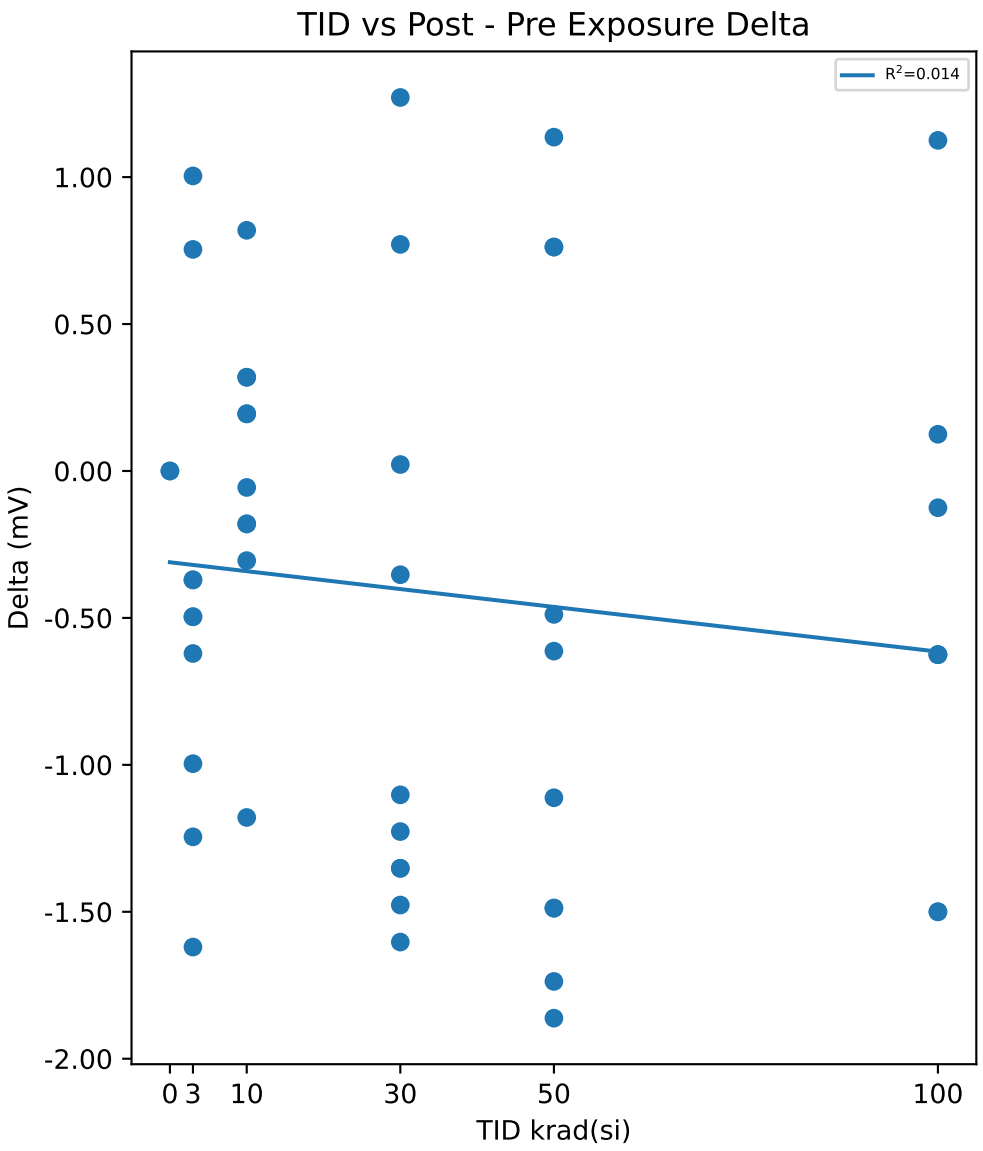
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 101.53 | 101.53 | 0 |
| 7 | 0 | Correlation | 100.59 | 100.59 | 0 |
| 16 | 3 | LDR-Biased | 102 | 102.12 | 0.118 |
| 18 | 3 | LDR-Biased | 102.3 | 101.65 | -0.648 |
| 19 | 3 | LDR-Biased | 102 | 101.77 | -0.235 |
| 20 | 3 | LDR-Biased | 102 | 100 | -2.001 |
| 21 | 3 | LDR-Biased | 98.705 | 102 | 3.296 |
| 22 | 3 | LDR-Unbiased | 102.12 | 101.71 | -0.412 |
| 23 | 3 | LDR-Unbiased | 99.235 | 102.06 | 2.825 |
| 25 | 3 | LDR-Unbiased | 99.647 | 99.588 | -0.059 |
| 26 | 3 | LDR-Unbiased | 102.12 | 92.938 | -9.181 |
| 27 | 3 | LDR-Unbiased | 102.3 | 101.83 | -0.47 |
| 46 | 10 | LDR-Biased | 102 | 101.83 | -0.176 |
| 48 | 10 | LDR-Biased | 102.3 | 101.94 | -0.353 |
| 49 | 10 | LDR-Biased | 102 | 101.65 | -0.353 |
| 50 | 10 | LDR-Biased | 102 | 100.65 | -1.354 |
| 51 | 10 | LDR-Biased | 98.705 | 101.83 | 3.12 |
| 52 | 10 | LDR-Unbiased | 102.12 | 101.83 | -0.294 |
| 53 | 10 | LDR-Unbiased | 99.235 | 102.12 | 2.884 |
| 55 | 10 | LDR-Unbiased | 99.647 | 100.06 | 0.412 |
| 56 | 10 | LDR-Unbiased | 102.12 | 92.643 | -9.476 |
| 57 | 10 | LDR-Unbiased | 102.3 | 101.83 | -0.47 |
| 76 | 30 | LDR-Biased | 102 | 101.94 | -0.059 |
| 78 | 30 | LDR-Biased | 102.3 | 101.83 | -0.471 |
| 79 | 30 | LDR-Biased | 102 | 102.18 | 0.176 |
| 80 | 30 | LDR-Biased | 102 | 100.41 | -1.589 |
| 81 | 30 | LDR-Biased | 98.705 | 101.83 | 3.12 |
| 82 | 30 | LDR-Unbiased | 102.12 | 101.94 | -0.177 |
| 83 | 30 | LDR-Unbiased | 99.235 | 101.94 | 2.707 |
| 84 | 30 | LDR-Unbiased | 102.3 | 101.59 | -0.706 |
| 85 | 30 | LDR-Unbiased | 99.647 | 99.353 | -0.294 |
| 86 | 30 | LDR-Unbiased | 102.12 | 91.701 | -10.418 |
| 87 | 100 | LDR-Biased | 97.293 | 98.411 | 1.118 |
| 88 | 100 | LDR-Biased | 102 | 101.59 | -0.412 |
| 90 | 100 | LDR-Biased | 102.3 | 101.59 | -0.707 |
| 91 | 100 | LDR-Unbiased | 101.94 | 100 | -1.942 |
| 93 | 100 | LDR-Unbiased | 98.705 | 101.94 | 3.237 |
| 94 | 100 | LDR-Unbiased | 102.18 | 101.53 | -0.646 |
| 95 | 100 | LDR-Unbiased | 102.06 | 93.466 | -8.594 |
| 96 | 100 | LDR-Unbiased | 102.3 | 102.06 | -0.235 |
| 106 | 50 | LDR-Biased | 102 | 101.77 | -0.236 |
| 108 | 50 | LDR-Biased | 102.3 | 101.83 | -0.471 |
| 109 | 50 | LDR-Biased | 102 | 101.24 | -0.765 |
| 110 | 50 | LDR-Biased | 102 | 100.18 | -1.825 |
| 111 | 50 | LDR-Biased | 98.705 | 101.88 | 3.179 |
| 112 | 50 | LDR-Unbiased | 102.12 | 101.71 | -0.412 |
| 113 | 50 | LDR-Unbiased | 99.235 | 102.06 | 2.825 |
| 115 | 50 | LDR-Unbiased | 99.647 | 99.411 | -0.236 |
| 116 | 50 | LDR-Unbiased | 102.12 | 91.113 | -11.006 |
| 117 | 50 | LDR-Unbiased | 102.3 | 102.06 | -0.235 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 100.59 | 101.06 | 101.53 | 0.66609 | 100.59 | 101.06 | 101.53 | 0.66609 | 0 | 0 | 0 | 0 |
| 3 | 98.705 | 101.24 | 102.3 | 1.4335 | 92.938 | 100.57 | 102.12 | 2.8218 | -9.181 | -0.6767 | 3.296 | 3.3902 |
| 10 | 98.705 | 101.24 | 102.3 | 1.4335 | 92.643 | 100.64 | 102.12 | 2.883 | -9.476 | -0.606 | 3.12 | 3.4442 |
| 30 | 98.705 | 101.24 | 102.3 | 1.4335 | 91.701 | 100.47 | 102.18 | 3.2056 | -10.418 | -0.7711 | 3.12 | 3.6976 |
| 50 | 98.705 | 101.24 | 102.3 | 1.4335 | 91.113 | 100.32 | 102.06 | 3.3538 | -11.006 | -0.9182 | 3.179 | 3.8767 |
| 100 | 97.293 | 101.1 | 102.3 | 1.9526 | 93.466 | 100.07 | 102.06 | 2.9419 | -8.594 | -1.0226 | 3.237 | 3.4254 |

# Device Test: 13.5 VTH_SENSE2_RISING/SENSE2/1.6/3/0/0/0/@VTH_SENSE



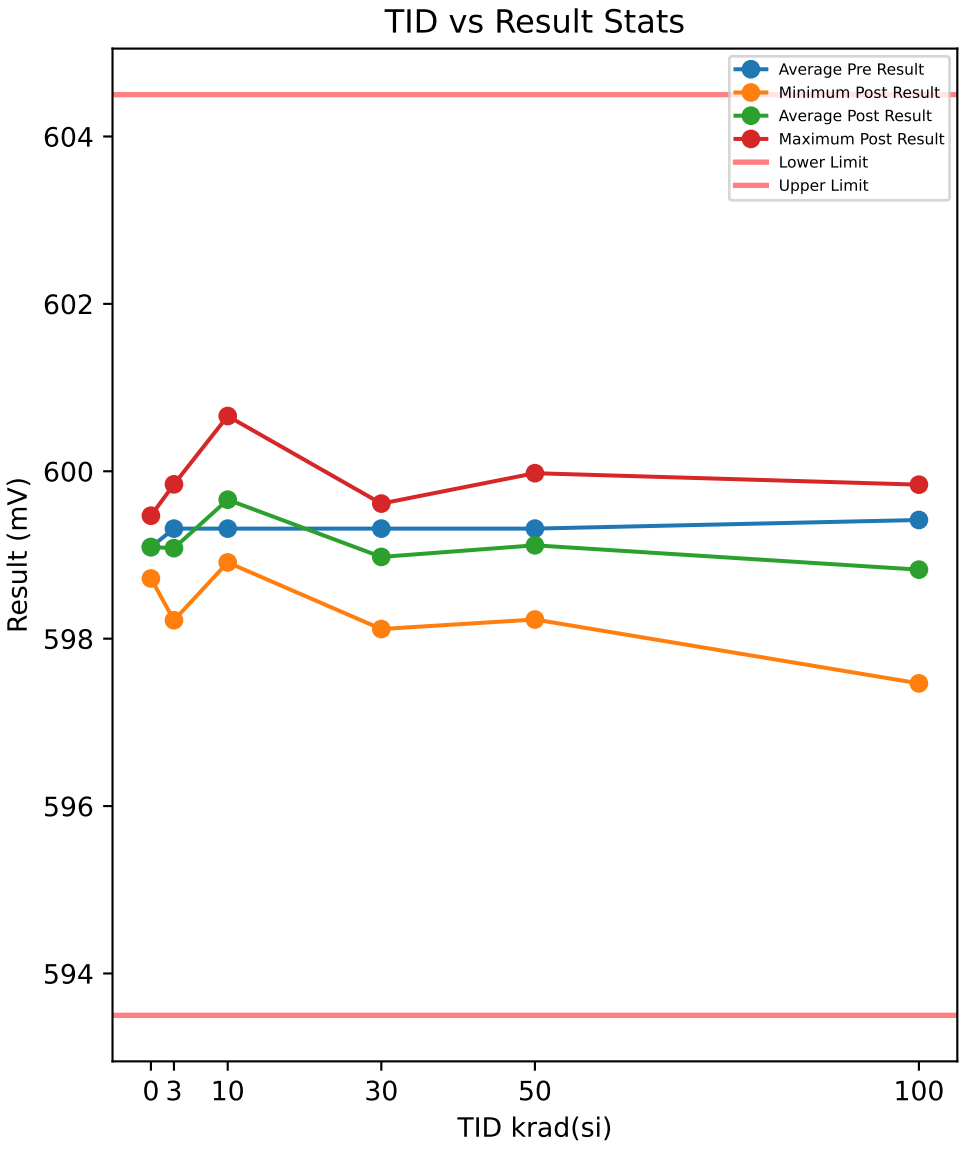

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

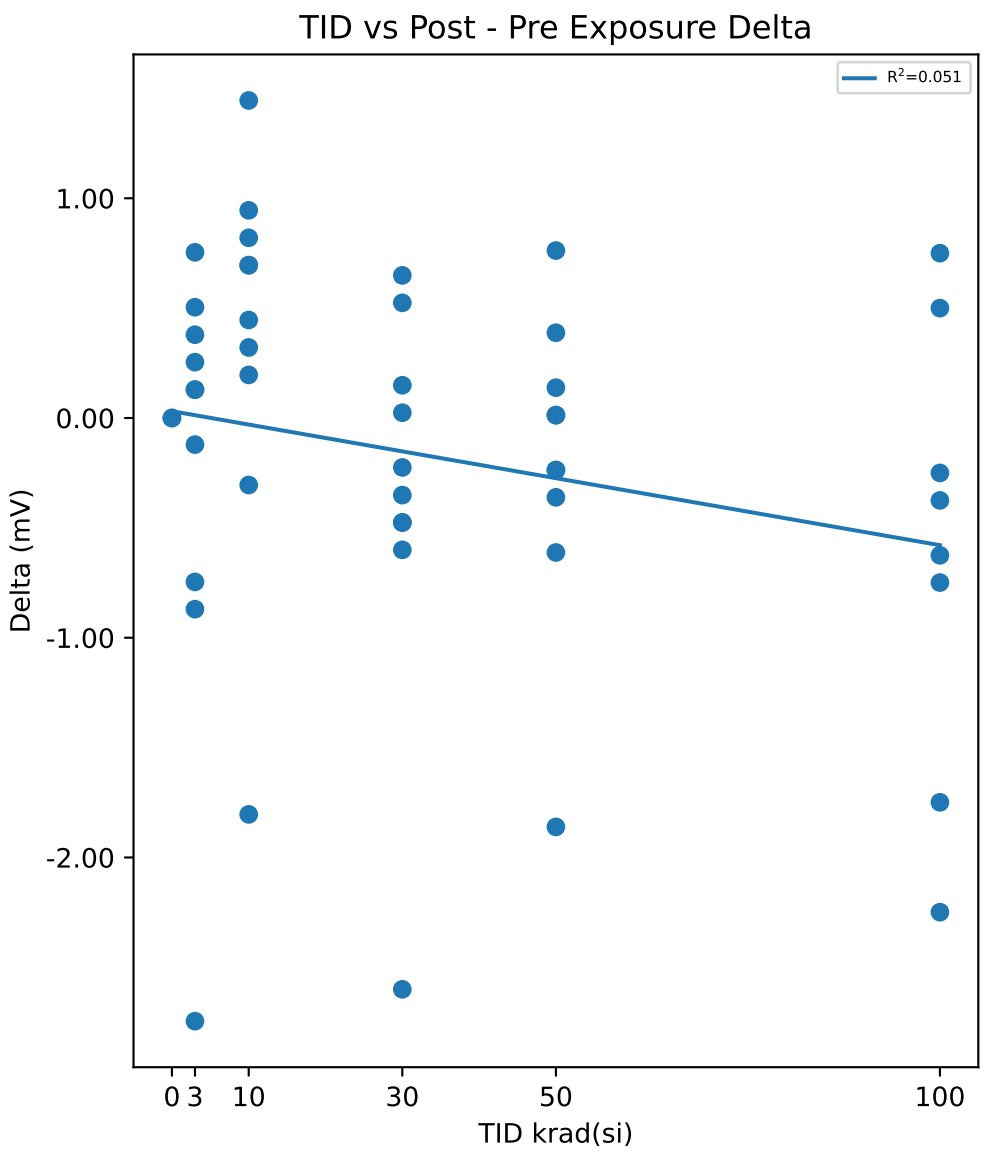
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.22 | 600.22 | 0 |
| 7 | 0 | Correlation | 600.34 | 600.34 | 0 |
| 16 | 3 | LDR-Biased | 599.84 | 600.59 | 0.754 |
| 18 | 3 | LDR-Biased | 600.59 | 600.09 | -0.496 |
| 19 | 3 | LDR-Biased | 601.59 | 599.97 | -1.62 |
| 20 | 3 | LDR-Biased | 600.71 | 599.47 | -1.245 |
| 21 | 3 | LDR-Biased | 600.59 | 600.09 | -0.496 |
| 22 | 3 | LDR-Unbiased | 600.09 | 599.72 | -0.371 |
| 23 | 3 | LDR-Unbiased | 599.84 | 599.47 | -0.37 |
| 25 | 3 | LDR-Unbiased | 599.96 | 600.97 | 1.004 |
| 26 | 3 | LDR-Unbiased | 600.71 | 599.72 | -0.996 |
| 27 | 3 | LDR-Unbiased | 601.21 | 600.59 | -0.621 |
| 46 | 10 | LDR-Biased | 599.84 | 600.03 | 0.195 |
| 48 | 10 | LDR-Biased | 600.59 | 600.78 | 0.194 |
| 49 | 10 | LDR-Biased | 601.59 | 600.41 | -1.179 |
| 50 | 10 | LDR-Biased | 600.71 | 601.03 | 0.319 |
| 51 | 10 | LDR-Biased | 600.59 | 600.41 | -0.18 |
| 52 | 10 | LDR-Unbiased | 600.09 | 599.91 | -0.18 |
| 53 | 10 | LDR-Unbiased | 599.84 | 599.53 | -0.305 |
| 55 | 10 | LDR-Unbiased | 599.96 | 600.78 | 0.819 |
| 56 | 10 | LDR-Unbiased | 600.71 | 601.03 | 0.319 |
| 57 | 10 | LDR-Unbiased | 601.21 | 601.16 | -0.056 |
| 76 | 30 | LDR-Biased | 599.84 | 600.61 | 0.771 |
| 78 | 30 | LDR-Biased | 600.59 | 599.24 | -1.352 |
| 79 | 30 | LDR-Biased | 601.59 | 600.11 | -1.477 |
| 80 | 30 | LDR-Biased | 600.71 | 600.36 | -0.353 |
| 81 | 30 | LDR-Biased | 600.59 | 599.49 | -1.102 |
| 82 | 30 | LDR-Unbiased | 600.09 | 598.86 | -1.227 |
| 83 | 30 | LDR-Unbiased | 599.84 | 599.86 | 0.022 |
| 84 | 30 | LDR-Unbiased | 601.21 | 599.61 | -1.603 |
| 85 | 30 | LDR-Unbiased | 599.96 | 601.23 | 1.271 |
| 86 | 30 | LDR-Unbiased | 600.71 | 599.36 | -1.352 |
| 87 | 100 | LDR-Biased | 600.71 | 600.59 | -0.125 |
| 88 | 100 | LDR-Biased | 600.84 | 599.34 | -1.5 |
| 90 | 100 | LDR-Biased | 600.21 | 599.59 | -0.625 |
| 91 | 100 | LDR-Unbiased | 601.09 | 600.46 | -0.625 |
| 93 | 100 | LDR-Unbiased | 599.59 | 600.71 | 1.125 |
| 94 | 100 | LDR-Unbiased | 600.84 | 600.21 | -0.625 |
| 95 | 100 | LDR-Unbiased | 600.46 | 600.59 | 0.125 |
| 96 | 100 | LDR-Unbiased | 601.21 | 599.71 | -1.5 |
| 106 | 50 | LDR-Biased | 599.84 | 600.6 | 0.762 |
| 108 | 50 | LDR-Biased | 600.59 | 598.85 | -1.737 |
| 109 | 50 | LDR-Biased | 601.59 | 600.48 | -1.112 |
| 110 | 50 | LDR-Biased | 600.71 | 600.1 | -0.613 |
| 111 | 50 | LDR-Biased | 600.59 | 598.73 | -1.862 |
| 112 | 50 | LDR-Unbiased | 600.09 | 599.6 | -0.488 |
| 113 | 50 | LDR-Unbiased | 599.84 | 600.6 | 0.762 |
| 115 | 50 | LDR-Unbiased | 599.96 | 601.1 | 1.136 |
| 116 | 50 | LDR-Unbiased | 600.71 | 599.23 | -1.487 |
| 117 | 50 | LDR-Unbiased | 601.21 | 599.73 | -1.488 |

Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.22 | 600.28 | 600.34 | 0.088388 | 600.22 | 600.28 | 600.34 | 0.088388 | 0 | 0 | 0 | 0 |
| 3 | 599.84 | 600.51 | 601.59 | 0.58964 | 599.47 | 600.07 | 600.97 | 0.50937 | -1.62 | -0.4457 | 1.004 | 0.81026 |
| 10 | 599.84 | 600.51 | 601.59 | 0.58964 | 599.53 | 600.51 | 601.16 | 0.54536 | -1.179 | -0.0054 | 0.819 | 0.52712 |
| 30 | 599.84 | 600.51 | 601.59 | 0.58964 | 598.86 | 599.87 | 601.23 | 0.71481 | -1.603 | -0.6402 | 1.271 | 1.02 |
| 50 | 599.84 | 600.51 | 601.59 | 0.58964 | 598.73 | 599.9 | 601.1 | 0.80566 | -1.862 | -0.6127 | 1.136 | 1.1283 |
| 100 | 599.59 | 600.62 | 601.21 | 0.52504 | 599.34 | 600.15 | 600.71 | 0.53033 | -1.5 | -0.46875 | 1.125 | 0.8628 |

# Device Test: 13.6 VTH_SENSE2_FALLING/SENSE2/1.6/3/0/0/0/@VTH_SENSE



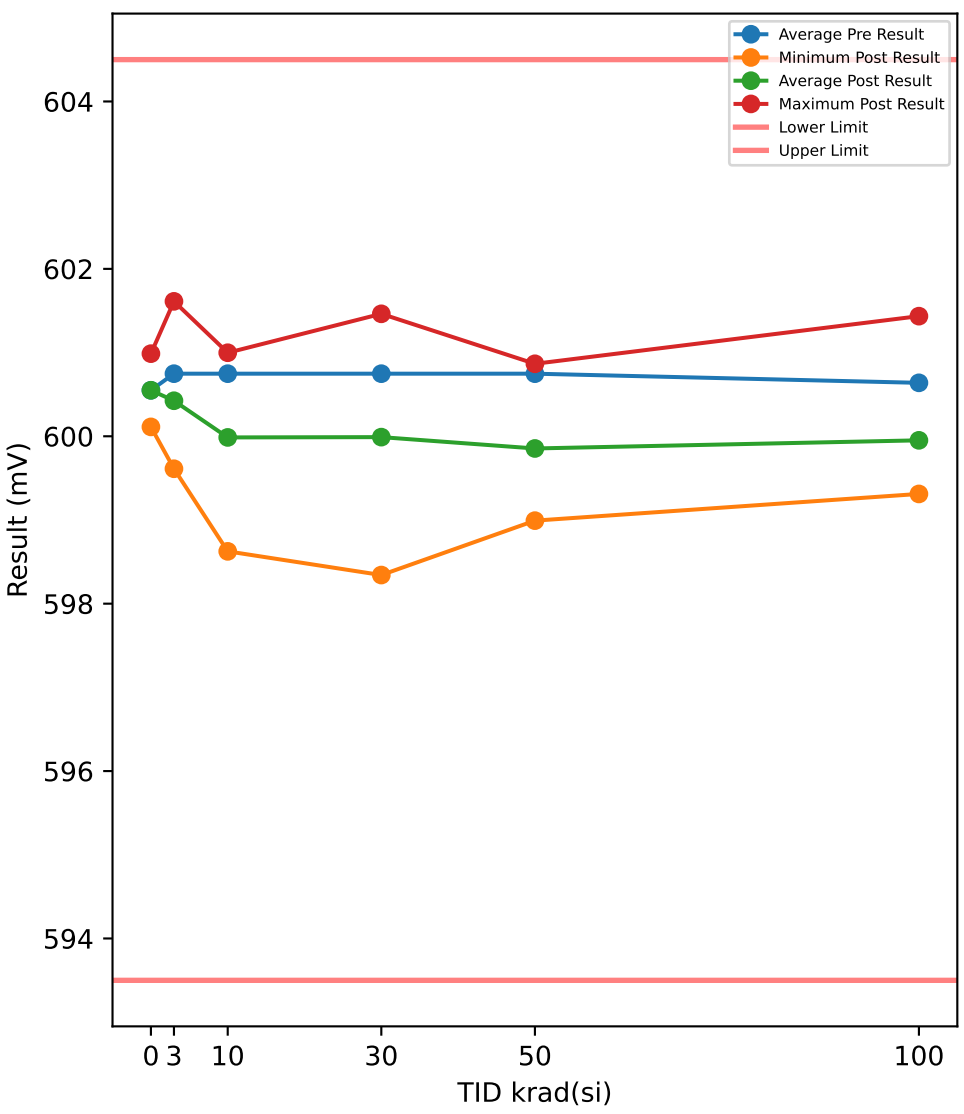

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 598.72 | 598.72 | 0 |
| 7 | 0 | Correlation | 599.47 | 599.47 | 0 |
| 16 | 3 | LDR-Biased | 599.47 | 599.84 | 0.379 |
| 18 | 3 | LDR-Biased | 599.09 | 598.22 | -0.87 |
| 19 | 3 | LDR-Biased | 601.59 | 598.84 | -2.745 |
| 20 | 3 | LDR-Biased | 598.97 | 599.09 | 0.129 |
| 21 | 3 | LDR-Biased | 598.59 | 599.34 | 0.754 |
| 22 | 3 | LDR-Unbiased | 598.59 | 599.09 | 0.504 |
| 23 | 3 | LDR-Unbiased | 599.22 | 599.34 | 0.129 |
| 25 | 3 | LDR-Unbiased | 598.97 | 599.22 | 0.254 |
| 26 | 3 | LDR-Unbiased | 598.72 | 598.59 | -0.121 |
| 27 | 3 | LDR-Unbiased | 599.97 | 599.22 | -0.746 |
| 46 | 10 | LDR-Biased | 599.47 | 600.28 | 0.82 |
| 48 | 10 | LDR-Biased | 599.09 | 599.29 | 0.196 |
| 49 | 10 | LDR-Biased | 601.59 | 599.78 | -1.804 |
| 50 | 10 | LDR-Biased | 598.97 | 599.91 | 0.945 |
| 51 | 10 | LDR-Biased | 598.59 | 598.91 | 0.321 |
| 52 | 10 | LDR-Unbiased | 598.59 | 599.04 | 0.446 |
| 53 | 10 | LDR-Unbiased | 599.22 | 600.66 | 1.445 |
| 55 | 10 | LDR-Unbiased | 598.97 | 599.66 | 0.695 |
| 56 | 10 | LDR-Unbiased | 598.72 | 599.41 | 0.696 |
| 57 | 10 | LDR-Unbiased | 599.97 | 599.66 | -0.305 |
| 76 | 30 | LDR-Biased | 599.47 | 598.99 | -0.476 |
| 78 | 30 | LDR-Biased | 599.09 | 599.11 | 0.024 |
| 79 | 30 | LDR-Biased | 601.59 | 598.99 | -2.6 |
| 80 | 30 | LDR-Biased | 598.97 | 599.11 | 0.149 |
| 81 | 30 | LDR-Biased | 598.59 | 599.11 | 0.524 |
| 82 | 30 | LDR-Unbiased | 598.59 | 598.37 | -0.225 |
| 83 | 30 | LDR-Unbiased | 599.22 | 598.74 | -0.475 |
| 84 | 30 | LDR-Unbiased | 599.97 | 599.61 | -0.351 |
| 85 | 30 | LDR-Unbiased | 598.97 | 599.61 | 0.649 |
| 86 | 30 | LDR-Unbiased | 598.72 | 598.12 | -0.6 |
| 87 | 100 | LDR-Biased | 599.34 | 598.72 | -0.625 |
| 88 | 100 | LDR-Biased | 598.84 | 598.59 | -0.25 |
| 90 | 100 | LDR-Biased | 598.59 | 597.84 | -0.749 |
| 91 | 100 | LDR-Unbiased | 599.97 | 599.59 | -0.375 |
| 93 | 100 | LDR-Unbiased | 598.97 | 599.72 | 0.75 |
| 94 | 100 | LDR-Unbiased | 599.72 | 597.47 | -2.249 |
| 95 | 100 | LDR-Unbiased | 599.34 | 599.84 | 0.5 |
| 96 | 100 | LDR-Unbiased | 600.59 | 598.84 | -1.749 |
| 106 | 50 | LDR-Biased | 599.47 | 599.48 | 0.013 |
| 108 | 50 | LDR-Biased | 599.09 | 598.85 | -0.237 |
| 109 | 50 | LDR-Biased | 601.59 | 599.73 | -1.861 |
| 110 | 50 | LDR-Biased | 598.97 | 598.73 | -0.237 |
| 111 | 50 | LDR-Biased | 598.59 | 598.73 | 0.138 |
| 112 | 50 | LDR-Unbiased | 598.59 | 598.23 | -0.361 |
| 113 | 50 | LDR-Unbiased | 599.22 | 599.98 | 0.762 |
| 115 | 50 | LDR-Unbiased | 598.97 | 599.35 | 0.388 |
| 116 | 50 | LDR-Unbiased | 598.72 | 598.73 | 0.013 |
| 117 | 50 | LDR-Unbiased | 599.97 | 599.35 | -0.612 |

Test Statistics (mV)

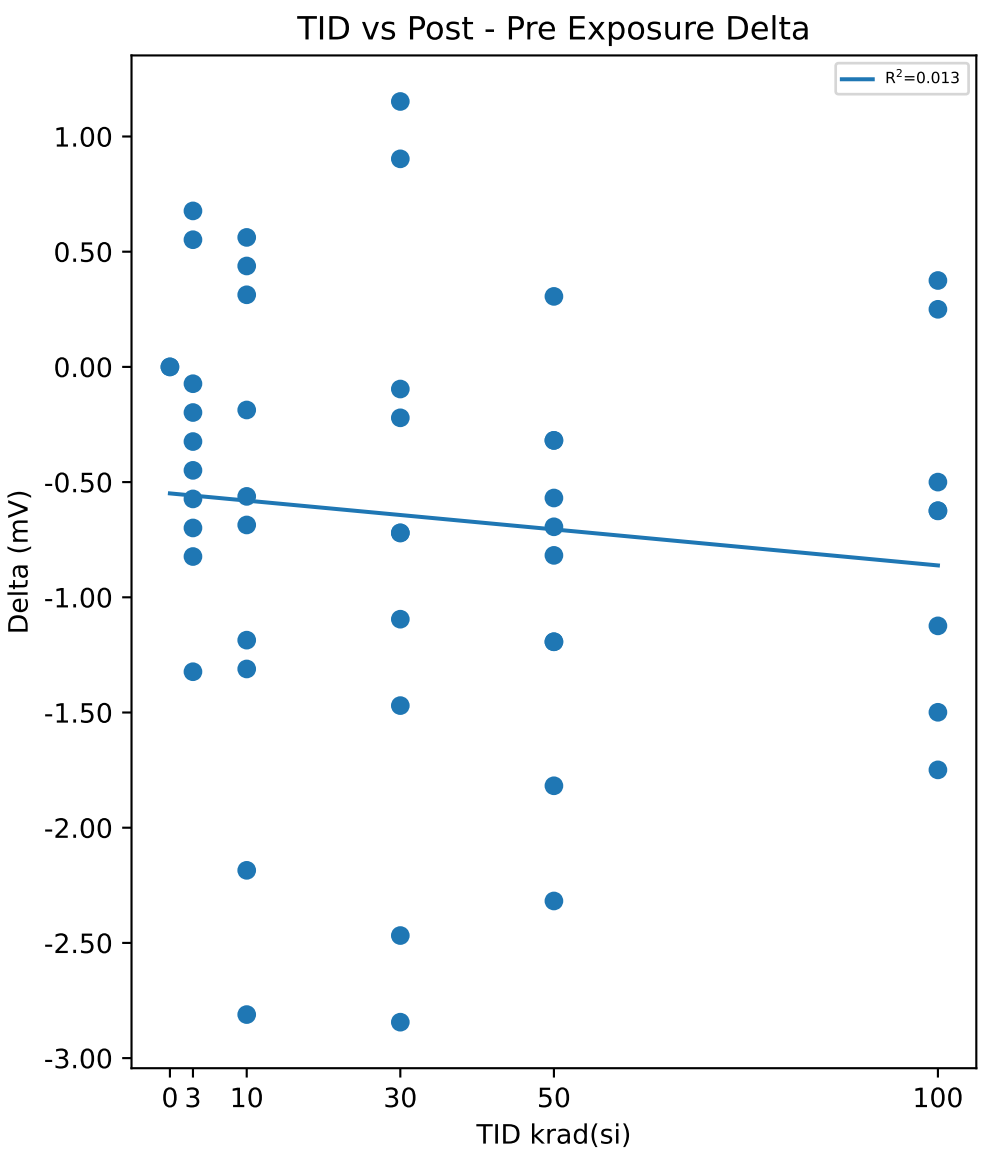
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.72 | 599.09 | 599.47 | 0.53033 | 598.72 | 599.09 | 599.47 | 0.53033 | 0 | 0 | 0 | 0 |
| 3 | 598.59 | 599.31 | 601.59 | 0.90265 | 598.22 | 599.08 | 599.84 | 0.44642 | -2.745 | -0.2333 | 0.754 | 1.021 |
| 10 | 598.59 | 599.31 | 601.59 | 0.90265 | 598.91 | 599.66 | 600.66 | 0.53965 | -1.804 | 0.3455 | 1.445 | 0.88913 |
| 30 | 598.59 | 599.31 | 601.59 | 0.90265 | 598.12 | 598.98 | 599.61 | 0.47632 | -2.6 | -0.3381 | 0.649 | 0.90194 |
| 50 | 598.59 | 599.31 | 601.59 | 0.90265 | 598.23 | 599.12 | 599.98 | 0.54435 | -1.861 | -0.1994 | 0.762 | 0.70186 |
| 100 | 598.59 | 599.42 | 600.59 | 0.65418 | 597.47 | 598.82 | 599.84 | 0.86934 | -2.249 | -0.59338 | 0.75 | 1.0189 |

# Device Test: 13.7 VTH_SENSE3_RISING/SENSE3/1.6/3/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

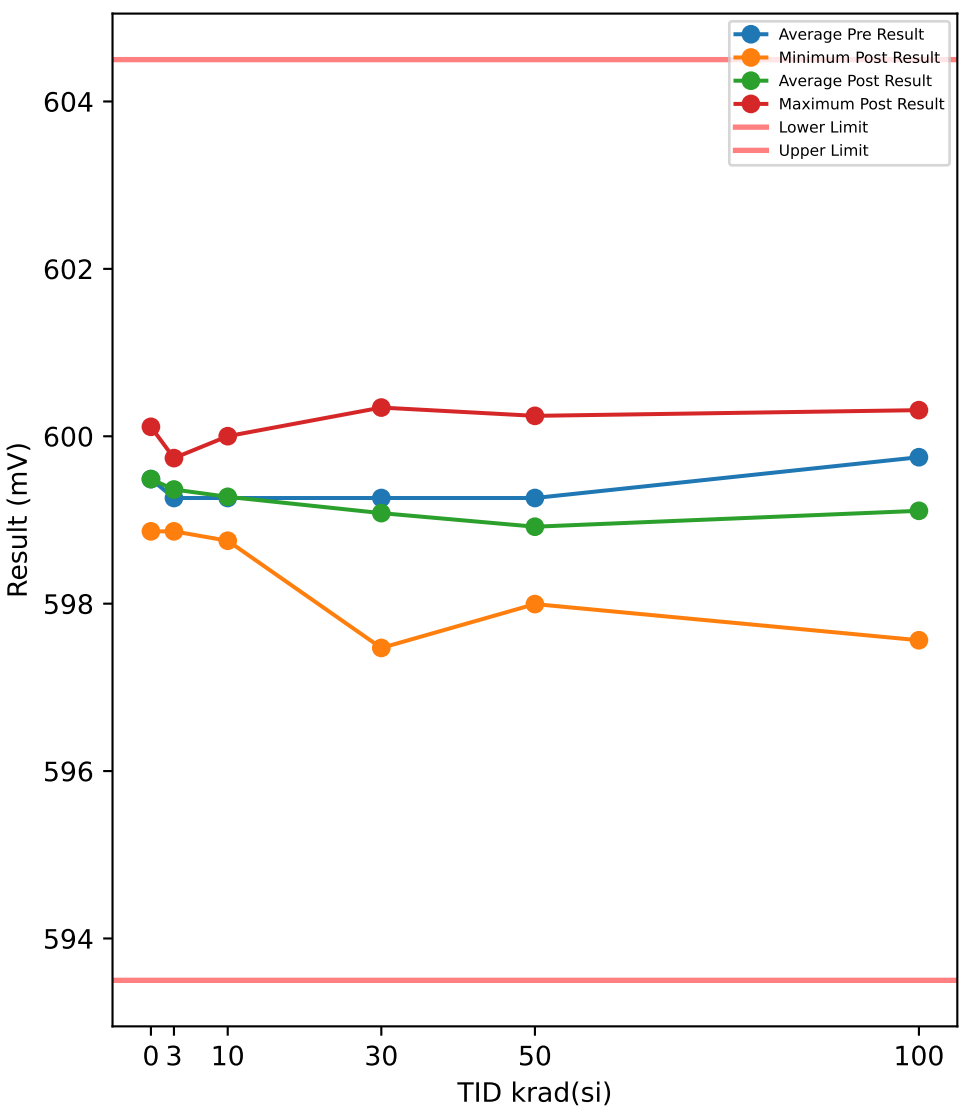
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.11 | 600.11 | 0 |
| 7 | 0 | Correlation | 600.99 | 600.99 | 0 |
| 16 | 3 | LDR-Biased | 601.18 | 601.11 | -0.073 |
| 18 | 3 | LDR-Biased | 600.06 | 599.74 | -0.324 |
| 19 | 3 | LDR-Biased | 600.93 | 601.61 | 0.677 |
| 20 | 3 | LDR-Biased | 600.81 | 599.99 | -0.823 |
| 21 | 3 | LDR-Biased | 600.93 | 600.74 | -0.198 |
| 22 | 3 | LDR-Unbiased | 600.56 | 599.99 | -0.573 |
| 23 | 3 | LDR-Unbiased | 600.31 | 599.61 | -0.699 |
| 25 | 3 | LDR-Unbiased | 600.56 | 601.11 | 0.552 |
| 26 | 3 | LDR-Unbiased | 600.31 | 599.86 | -0.449 |
| 27 | 3 | LDR-Unbiased | 601.81 | 600.49 | -1.323 |
| 46 | 10 | LDR-Biased | 601.18 | 599.87 | -1.311 |
| 48 | 10 | LDR-Biased | 600.06 | 600.37 | 0.313 |
| 49 | 10 | LDR-Biased | 600.93 | 600.75 | -0.187 |
| 50 | 10 | LDR-Biased | 600.81 | 598.62 | -2.185 |
| 51 | 10 | LDR-Biased | 600.93 | 599.75 | -1.186 |
| 52 | 10 | LDR-Unbiased | 600.56 | 599.87 | -0.686 |
| 53 | 10 | LDR-Unbiased | 600.31 | 599.75 | -0.562 |
| 55 | 10 | LDR-Unbiased | 600.56 | 601 | 0.438 |
| 56 | 10 | LDR-Unbiased | 600.31 | 600.87 | 0.562 |
| 57 | 10 | LDR-Unbiased | 601.81 | 599 | -2.811 |
| 76 | 30 | LDR-Biased | 601.18 | 600.09 | -1.095 |
| 78 | 30 | LDR-Biased | 600.06 | 599.97 | -0.096 |
| 79 | 30 | LDR-Biased | 600.93 | 600.71 | -0.221 |
| 80 | 30 | LDR-Biased | 600.81 | 598.34 | -2.468 |
| 81 | 30 | LDR-Biased | 600.93 | 599.47 | -1.47 |
| 82 | 30 | LDR-Unbiased | 600.56 | 599.84 | -0.72 |
| 83 | 30 | LDR-Unbiased | 600.31 | 599.59 | -0.721 |
| 84 | 30 | LDR-Unbiased | 601.81 | 598.97 | -2.844 |
| 85 | 30 | LDR-Unbiased | 600.56 | 601.46 | 0.903 |
| 86 | 30 | LDR-Unbiased | 600.31 | 601.46 | 1.152 |
| 87 | 100 | LDR-Biased | 600.56 | 599.94 | -0.624 |
| 88 | 100 | LDR-Biased | 601.06 | 599.31 | -1.749 |
| 90 | 100 | LDR-Biased | 600.31 | 599.69 | -0.625 |
| 91 | 100 | LDR-Unbiased | 599.94 | 600.19 | 0.25 |
| 93 | 100 | LDR-Unbiased | 601.06 | 601.43 | 0.375 |
| 94 | 100 | LDR-Unbiased | 601.06 | 599.56 | -1.499 |
| 95 | 100 | LDR-Unbiased | 599.81 | 599.31 | -0.5 |
| 96 | 100 | LDR-Unbiased | 601.31 | 600.19 | -1.124 |
| 106 | 50 | LDR-Biased | 601.18 | 600.62 | -0.569 |
| 108 | 50 | LDR-Biased | 600.06 | 599.74 | -0.319 |
| 109 | 50 | LDR-Biased | 600.93 | 600.12 | -0.818 |
| 110 | 50 | LDR-Biased | 600.81 | 598.99 | -1.818 |
| 111 | 50 | LDR-Biased | 600.93 | 599.74 | -1.193 |
| 112 | 50 | LDR-Unbiased | 600.56 | 599.37 | -1.193 |
| 113 | 50 | LDR-Unbiased | 600.31 | 599.62 | -0.694 |
| 115 | 50 | LDR-Unbiased | 600.56 | 600.87 | 0.306 |
| 116 | 50 | LDR-Unbiased | 600.31 | 599.99 | -0.319 |
| 117 | 50 | LDR-Unbiased | 601.81 | 599.49 | -2.318 |

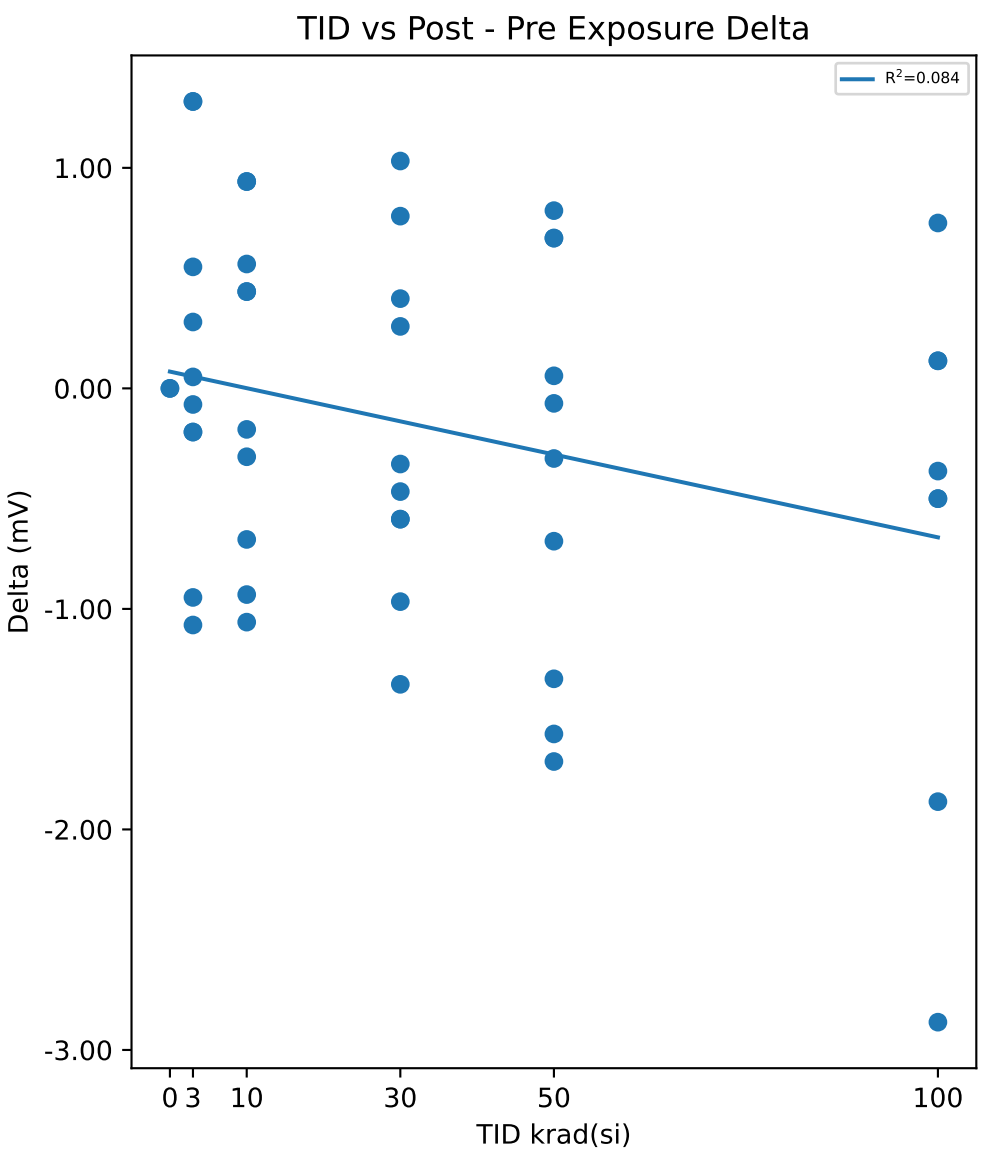



Test Statistics (mV)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 600.11 | 600.55 | 600.99 | 0.61872 | 600.11 | 600.55 | 600.99 | 0.61872 | 0 | 0 | 0 | 0 |
| 3 | 600.06 | 600.75 | 601.81 | 0.50741 | 599.61 | 600.42 | 601.61 | 0.69034 | -1.323 | -0.3233 | 0.677 | 0.60677 |
| 10 | 600.06 | 600.75 | 601.81 | 0.50741 | 598.62 | 599.99 | 601 | 0.78216 | -2.811 | -0.7615 | 0.562 | 1.1269 |
| 30 | 600.06 | 600.75 | 601.81 | 0.50741 | 598.34 | 599.99 | 601.46 | 1.0054 | -2.844 | -0.758 | 1.152 | 1.2924 |
| 50 | 600.06 | 600.75 | 601.81 | 0.50741 | 598.99 | 599.85 | 600.87 | 0.56623 | -2.318 | -0.8935 | 0.306 | 0.76833 |
| 100 | 599.81 | 600.64 | 601.31 | 0.57016 | 599.31 | 599.95 | 601.43 | 0.69225 | -1.749 | -0.687 | 0.375 | 0.75845 |

# Device Test: 13.8 VTH_SENSE3_FALLING/SENSE3/1.6/3/0/0/0/@VTH_SENSE



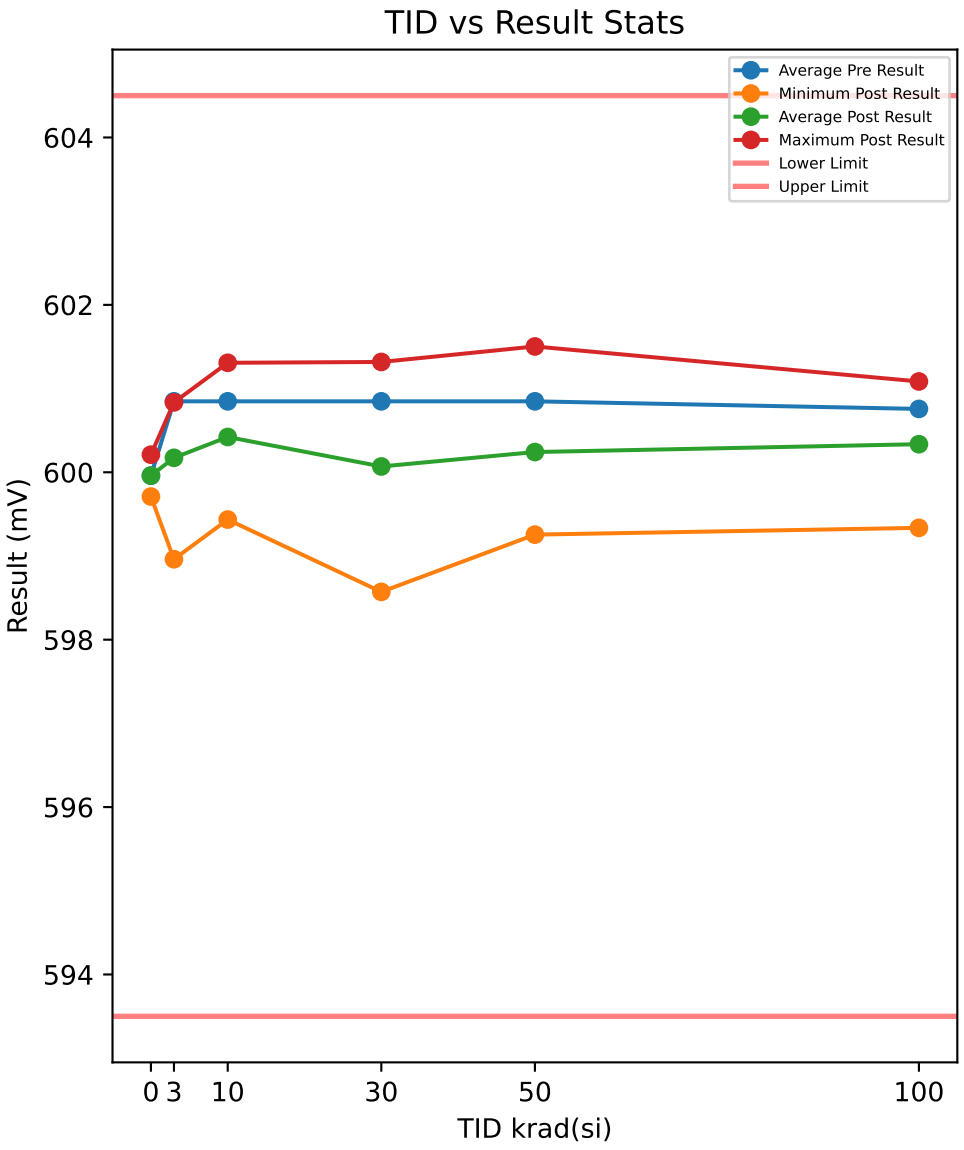

Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.11 | 600.11 | 0 |
| 7 | 0 | Correlation | 598.86 | 598.86 | 0 |
| 16 | 3 | LDR-Biased | 600.06 | 598.99 | -1.073 |
| 18 | 3 | LDR-Biased | 598.56 | 598.86 | 0.301 |
| 19 | 3 | LDR-Biased | 599.56 | 599.49 | -0.073 |
| 20 | 3 | LDR-Biased | 598.31 | 598.86 | 0.551 |
| 21 | 3 | LDR-Biased | 599.94 | 599.74 | -0.198 |
| 22 | 3 | LDR-Unbiased | 598.44 | 599.74 | 1.301 |
| 23 | 3 | LDR-Unbiased | 598.44 | 599.74 | 1.301 |
| 25 | 3 | LDR-Unbiased | 599.56 | 599.61 | 0.052 |
| 26 | 3 | LDR-Unbiased | 599.81 | 599.61 | -0.198 |
| 27 | 3 | LDR-Unbiased | 599.94 | 598.99 | -0.948 |
| 46 | 10 | LDR-Biased | 600.06 | 599.13 | -0.935 |
| 48 | 10 | LDR-Biased | 598.56 | 599.13 | 0.564 |
| 49 | 10 | LDR-Biased | 599.56 | 599.25 | -0.31 |
| 50 | 10 | LDR-Biased | 598.31 | 598.75 | 0.439 |
| 51 | 10 | LDR-Biased | 599.94 | 598.88 | -1.06 |
| 52 | 10 | LDR-Unbiased | 598.44 | 599.38 | 0.938 |
| 53 | 10 | LDR-Unbiased | 598.44 | 599.38 | 0.938 |
| 55 | 10 | LDR-Unbiased | 599.56 | 600 | 0.439 |
| 56 | 10 | LDR-Unbiased | 599.81 | 599.63 | -0.186 |
| 57 | 10 | LDR-Unbiased | 599.94 | 599.25 | -0.685 |
| 76 | 30 | LDR-Biased | 600.06 | 599.47 | -0.593 |
| 78 | 30 | LDR-Biased | 598.56 | 598.84 | 0.281 |
| 79 | 30 | LDR-Biased | 599.56 | 598.97 | -0.593 |
| 80 | 30 | LDR-Biased | 598.31 | 598.72 | 0.407 |
| 81 | 30 | LDR-Biased | 599.94 | 599.47 | -0.468 |
| 82 | 30 | LDR-Unbiased | 598.44 | 597.47 | -0.967 |
| 83 | 30 | LDR-Unbiased | 598.44 | 599.47 | 1.031 |
| 84 | 30 | LDR-Unbiased | 599.94 | 598.6 | -1.342 |
| 85 | 30 | LDR-Unbiased | 599.56 | 600.34 | 0.781 |
| 86 | 30 | LDR-Unbiased | 599.81 | 599.47 | -0.343 |
| 87 | 100 | LDR-Biased | 599.44 | 599.56 | 0.125 |
| 88 | 100 | LDR-Biased | 600.31 | 598.44 | -1.874 |
| 90 | 100 | LDR-Biased | 599.19 | 598.69 | -0.5 |
| 91 | 100 | LDR-Unbiased | 599.56 | 600.31 | 0.75 |
| 93 | 100 | LDR-Unbiased | 599.81 | 599.94 | 0.125 |
| 94 | 100 | LDR-Unbiased | 600.44 | 597.56 | -2.874 |
| 95 | 100 | LDR-Unbiased | 599.06 | 598.69 | -0.375 |
| 96 | 100 | LDR-Unbiased | 600.19 | 599.69 | -0.5 |
| 106 | 50 | LDR-Biased | 600.06 | 598.5 | -1.567 |
| 108 | 50 | LDR-Biased | 598.56 | 599.24 | 0.681 |
| 109 | 50 | LDR-Biased | 599.56 | 600.24 | 0.682 |
| 110 | 50 | LDR-Biased | 598.31 | 598 | -0.318 |
| 111 | 50 | LDR-Biased | 599.94 | 599.24 | -0.693 |
| 112 | 50 | LDR-Unbiased | 598.44 | 598.37 | -0.068 |
| 113 | 50 | LDR-Unbiased | 598.44 | 599.24 | 0.806 |
| 115 | 50 | LDR-Unbiased | 599.56 | 599.62 | 0.057 |
| 116 | 50 | LDR-Unbiased | 599.81 | 598.12 | -1.692 |
| 117 | 50 | LDR-Unbiased | 599.94 | 598.62 | -1.317 |

Test Statistics (mV)

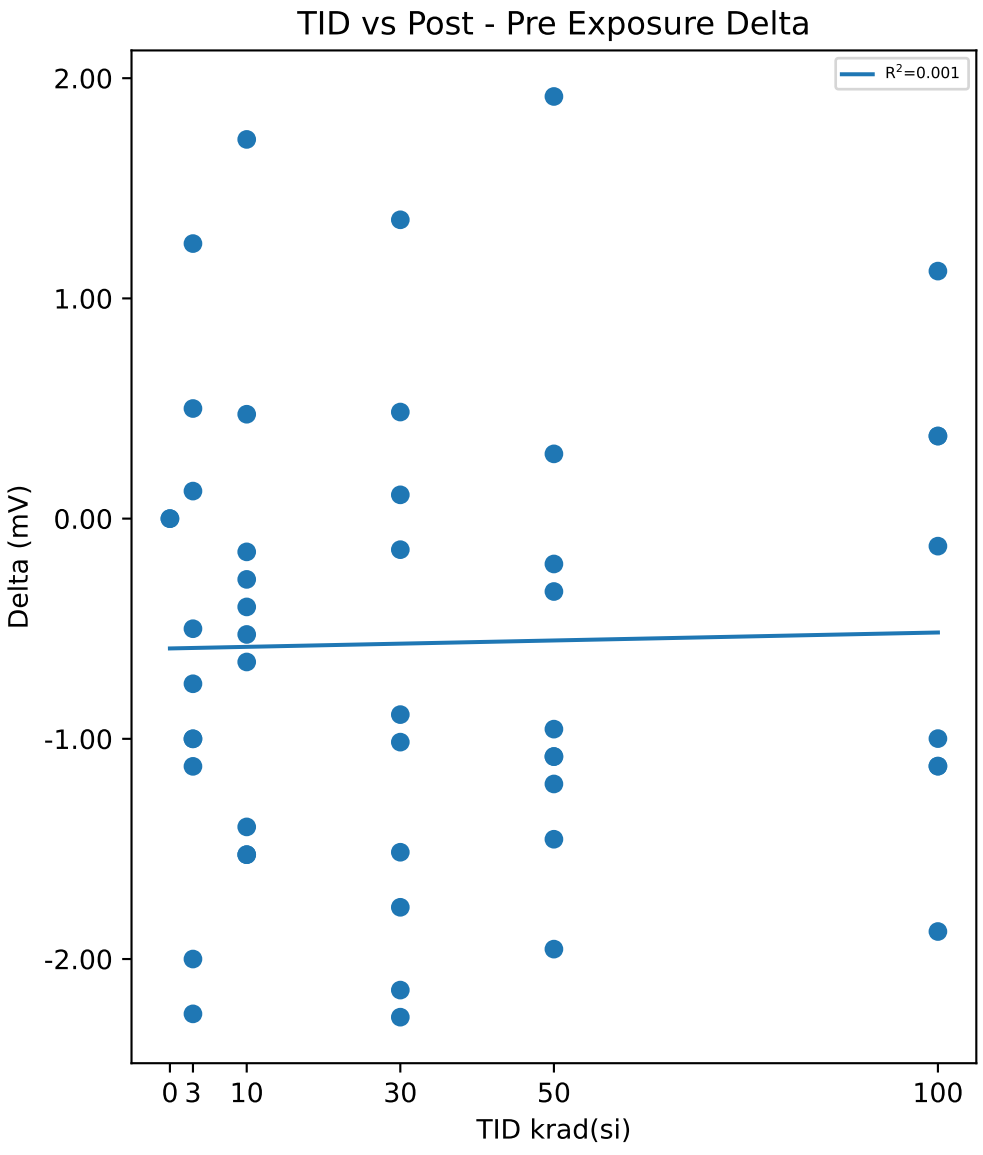
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 598.86 | 599.49 | 600.11 | 0.88318 | 598.86 | 599.49 | 600.11 | 0.88318 | 0 | 0 | 0 | 0 |
| 3 | 598.31 | 599.26 | 600.06 | 0.72884 | 598.86 | 599.36 | 599.74 | 0.3864 | -1.073 | 0.1016 | 1.301 | 0.80365 |
| 10 | 598.31 | 599.26 | 600.06 | 0.72884 | 598.75 | 599.28 | 600 | 0.35706 | -1.06 | 0.0142 | 0.938 | 0.74974 |
| 30 | 598.31 | 599.26 | 600.06 | 0.72884 | 597.47 | 599.08 | 600.34 | 0.76173 | -1.342 | -0.1806 | 1.031 | 0.77225 |
| 50 | 598.31 | 599.26 | 600.06 | 0.72884 | 598 | 598.92 | 600.24 | 0.71688 | -1.692 | -0.3429 | 0.806 | 0.94545 |
| 100 | 599.06 | 599.75 | 600.44 | 0.5215 | 597.56 | 599.11 | 600.31 | 0.9155 | -2.874 | -0.64038 | 0.75 | 1.1787 |

# Device Test: 13.9 VTH_SENSE4_RISING/SENSE4/1.6/3/0/0/0/@VTH_SENSE




Test Results (Lower Limit = 593.5, Upper Limit = 604.5 (mV))

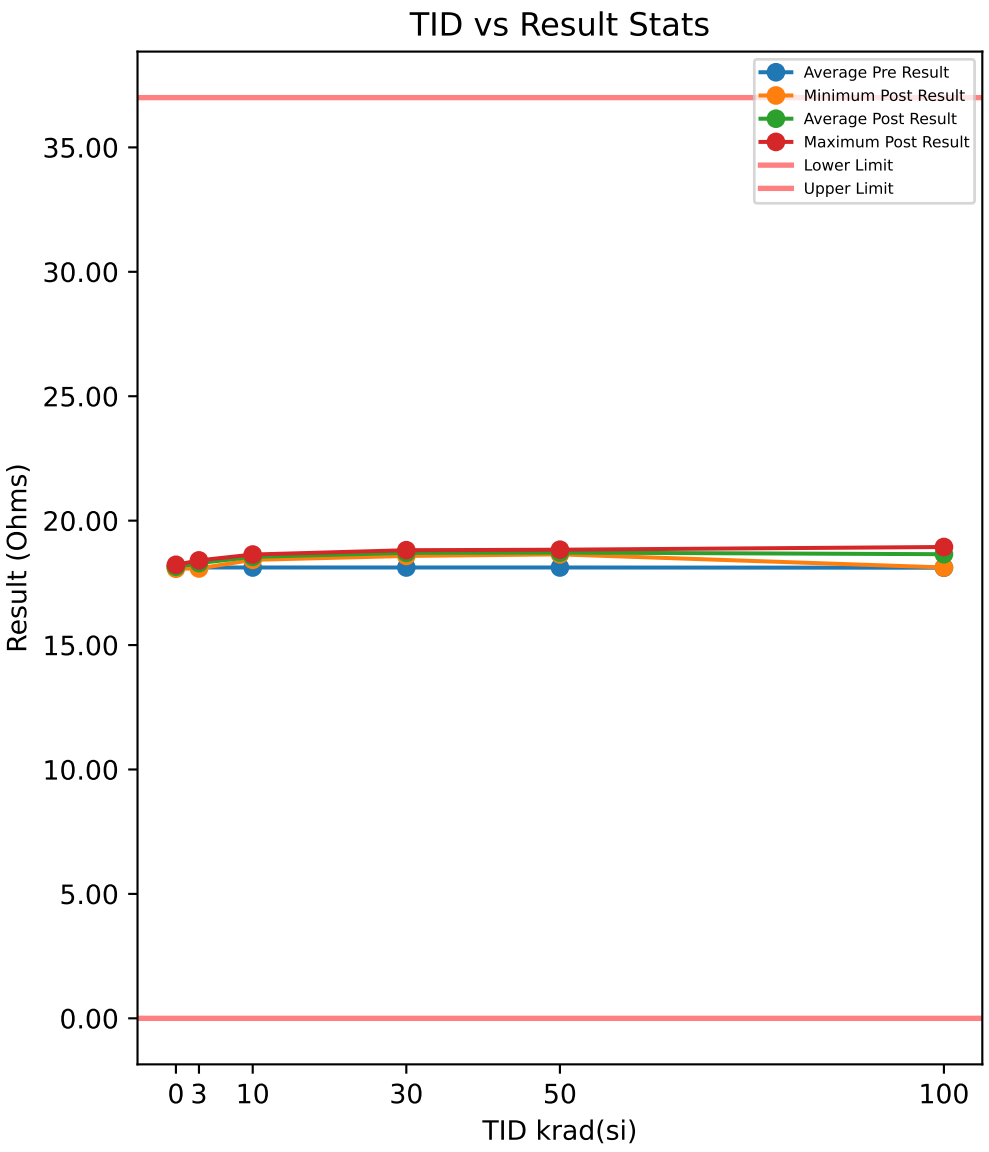
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 600.21 | 600.21 | 0 |
| 7 | 0 | Correlation | 599.71 | 599.71 | 0 |
| 16 | 3 | LDR-Biased | 601.21 | 600.46 | -0.75 |
| 18 | 3 | LDR-Biased | 601.59 | 600.59 | -1 |
| 19 | 3 | LDR-Biased | 602.21 | 600.21 | -2 |
| 20 | 3 | LDR-Biased | 600.21 | 600.71 | 0.5 |
| 21 | 3 | LDR-Biased | 600.34 | 600.46 | 0.125 |
| 22 | 3 | LDR-Unbiased | 600.71 | 600.21 | -0.5 |
| 23 | 3 | LDR-Unbiased | 601.21 | 598.96 | -2.249 |
| 25 | 3 | LDR-Unbiased | 599.59 | 600.84 | 1.249 |
| 26 | 3 | LDR-Unbiased | 600.59 | 599.59 | -1 |
| 27 | 3 | LDR-Unbiased | 600.84 | 599.71 | -1.125 |
| 46 | 10 | LDR-Biased | 601.21 | 600.68 | -0.526 |
| 48 | 10 | LDR-Biased | 601.59 | 600.93 | -0.651 |
| 49 | 10 | LDR-Biased | 602.21 | 600.68 | -1.526 |
| 50 | 10 | LDR-Biased | 600.21 | 600.68 | 0.474 |
| 51 | 10 | LDR-Biased | 600.34 | 600.18 | -0.151 |
| 52 | 10 | LDR-Unbiased | 600.71 | 600.43 | -0.276 |
| 53 | 10 | LDR-Unbiased | 601.21 | 599.68 | -1.526 |
| 55 | 10 | LDR-Unbiased | 599.59 | 601.31 | 1.722 |
| 56 | 10 | LDR-Unbiased | 600.59 | 600.18 | -0.401 |
| 57 | 10 | LDR-Unbiased | 600.84 | 599.43 | -1.4 |
| 76 | 30 | LDR-Biased | 601.21 | 601.32 | 0.108 |
| 78 | 30 | LDR-Biased | 601.59 | 599.82 | -1.765 |
| 79 | 30 | LDR-Biased | 602.21 | 600.07 | -2.141 |
| 80 | 30 | LDR-Biased | 600.21 | 600.69 | 0.484 |
| 81 | 30 | LDR-Biased | 600.34 | 600.19 | -0.141 |
| 82 | 30 | LDR-Unbiased | 600.71 | 599.7 | -1.015 |
| 83 | 30 | LDR-Unbiased | 601.21 | 599.7 | -1.515 |
| 84 | 30 | LDR-Unbiased | 600.84 | 598.57 | -2.264 |
| 85 | 30 | LDR-Unbiased | 599.59 | 600.94 | 1.357 |
| 86 | 30 | LDR-Unbiased | 600.59 | 599.7 | -0.89 |
| 87 | 100 | LDR-Biased | 600.96 | 599.84 | -1.124 |
| 88 | 100 | LDR-Biased | 600.96 | 599.96 | -0.999 |
| 90 | 100 | LDR-Biased | 600.46 | 600.34 | -0.125 |
| 91 | 100 | LDR-Unbiased | 600.71 | 601.09 | 0.375 |
| 93 | 100 | LDR-Unbiased | 600.46 | 600.84 | 0.375 |
| 94 | 100 | LDR-Unbiased | 600.46 | 599.34 | -1.124 |
| 95 | 100 | LDR-Unbiased | 599.84 | 600.96 | 1.124 |
| 96 | 100 | LDR-Unbiased | 602.21 | 600.34 | -1.875 |
| 106 | 50 | LDR-Biased | 601.21 | 600.25 | -0.956 |
| 108 | 50 | LDR-Biased | 601.59 | 600.13 | -1.456 |
| 109 | 50 | LDR-Biased | 602.21 | 601.13 | -1.081 |
| 110 | 50 | LDR-Biased | 600.21 | 600.5 | 0.294 |
| 111 | 50 | LDR-Biased | 600.34 | 600 | -0.331 |
| 112 | 50 | LDR-Unbiased | 600.71 | 600.5 | -0.206 |
| 113 | 50 | LDR-Unbiased | 601.21 | 599.25 | -1.955 |
| 115 | 50 | LDR-Unbiased | 599.59 | 601.5 | 1.917 |
| 116 | 50 | LDR-Unbiased | 600.59 | 599.5 | -1.08 |
| 117 | 50 | LDR-Unbiased | 600.84 | 599.63 | -1.205 |




Test Statistics (mV)

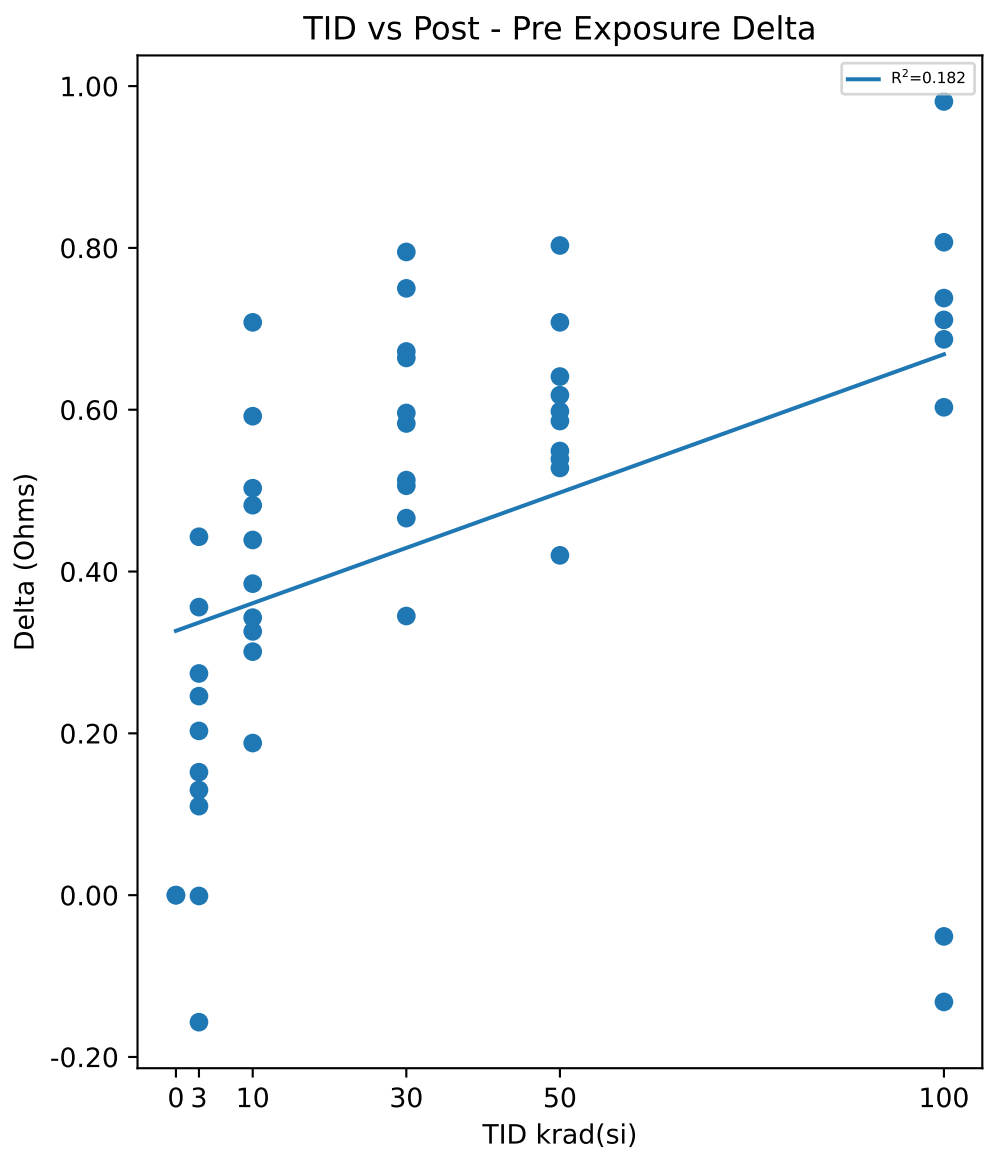
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 599.71 | 599.96 | 600.21 | 0.35355 | 599.71 | 599.96 | 600.21 | 0.35355 | 0 | 0 | 0 | 0 |
| 3 | 599.59 | 600.85 | 602.21 | 0.74622 | 598.96 | 600.17 | 600.84 | 0.58622 | -2.249 | -0.675 | 1.249 | 1.0753 |
| 10 | 599.59 | 600.85 | 602.21 | 0.74622 | 599.43 | 600.42 | 601.31 | 0.56621 | -1.526 | -0.4261 | 1.722 | 0.99733 |
| 30 | 599.59 | 600.85 | 602.21 | 0.74622 | 598.57 | 600.07 | 601.32 | 0.77859 | -2.264 | -0.7782 | 1.357 | 1.2016 |
| 50 | 599.59 | 600.85 | 602.21 | 0.74622 | 599.25 | 600.24 | 601.5 | 0.70519 | -1.955 | -0.6059 | 1.917 | 1.0998 |
| 100 | 599.84 | 600.76 | 602.21 | 0.68751 | 599.34 | 600.34 | 601.09 | 0.60828 | -1.875 | -0.42163 | 1.124 | 1.0127 |

# Device Test: 18.0 Res_PU_EN1/EN1/1.6/3/0/0/2/@EN_RPMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

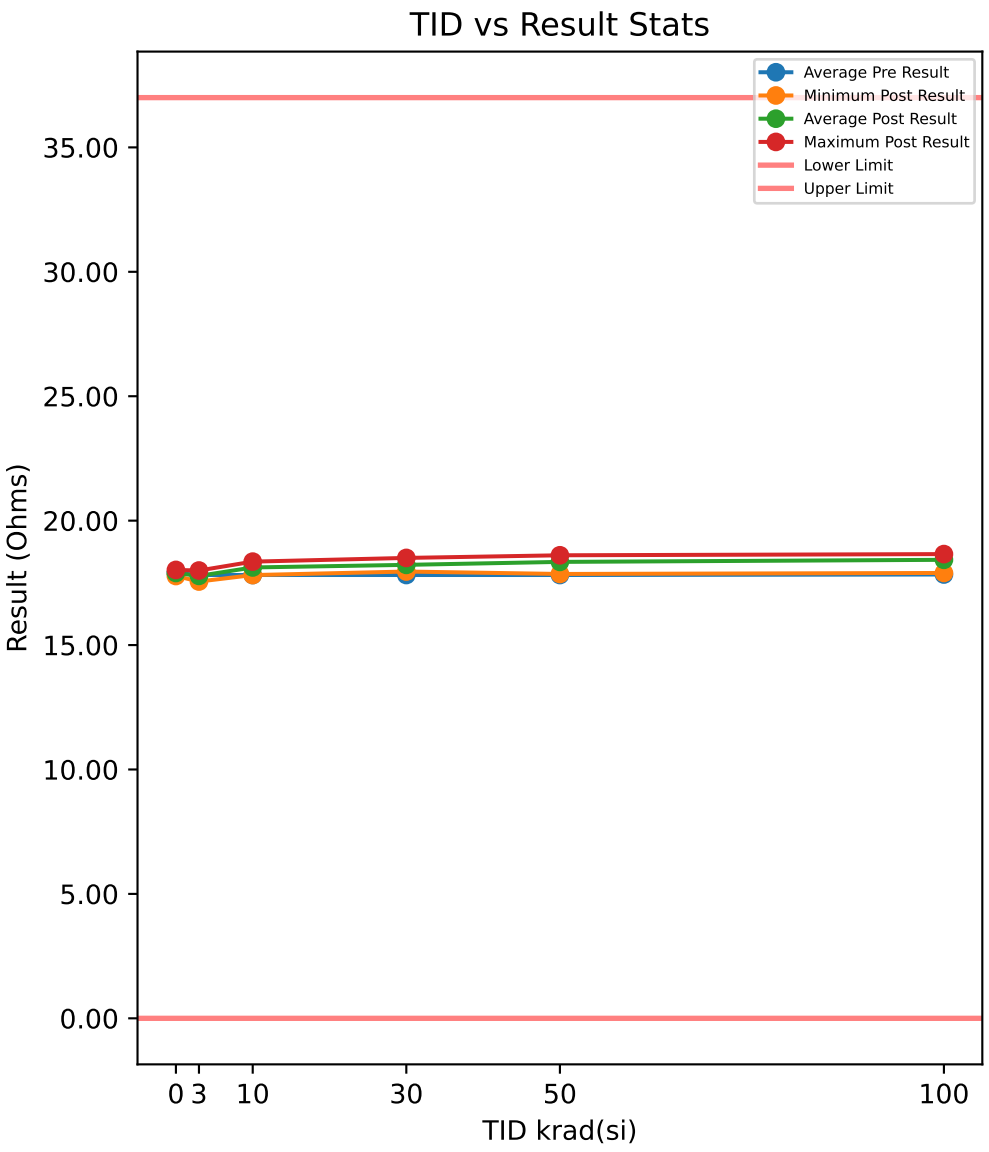
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 18.226 | 18.226 | 0 |
| 7 | 0 | Correlation | 18.069 | 18.069 | 0 |
| 16 | 3 | LDR-Biased | 18.046 | 18.402 | 0.356 |
| 18 | 3 | LDR-Biased | 18.216 | 18.368 | 0.152 |
| 19 | 3 | LDR-Biased | 18.027 | 18.301 | 0.274 |
| 20 | 3 | LDR-Biased | 18.156 | 18.359 | 0.203 |
| 21 | 3 | LDR-Biased | 17.85 | 18.293 | 0.443 |
| 22 | 3 | LDR-Unbiased | 18.236 | 18.079 | -0.157 |
| 23 | 3 | LDR-Unbiased | 18.036 | 18.282 | 0.246 |
| 25 | 3 | LDR-Unbiased | 18.173 | 18.172 | -0.001 |
| 26 | 3 | LDR-Unbiased | 18.246 | 18.356 | 0.11 |
| 27 | 3 | LDR-Unbiased | 18.19 | 18.32 | 0.13 |
| 46 | 10 | LDR-Biased | 18.046 | 18.638 | 0.592 |
| 48 | 10 | LDR-Biased | 18.216 | 18.601 | 0.385 |
| 49 | 10 | LDR-Biased | 18.027 | 18.53 | 0.503 |
| 50 | 10 | LDR-Biased | 18.156 | 18.595 | 0.439 |
| 51 | 10 | LDR-Biased | 17.85 | 18.558 | 0.708 |
| 52 | 10 | LDR-Unbiased | 18.236 | 18.424 | 0.188 |
| 53 | 10 | LDR-Unbiased | 18.036 | 18.518 | 0.482 |
| 55 | 10 | LDR-Unbiased | 18.173 | 18.474 | 0.301 |
| 56 | 10 | LDR-Unbiased | 18.246 | 18.572 | 0.326 |
| 57 | 10 | LDR-Unbiased | 18.19 | 18.533 | 0.343 |
| 76 | 30 | LDR-Biased | 18.046 | 18.796 | 0.75 |
| 78 | 30 | LDR-Biased | 18.216 | 18.812 | 0.596 |
| 79 | 30 | LDR-Biased | 18.027 | 18.699 | 0.672 |
| 80 | 30 | LDR-Biased | 18.156 | 18.739 | 0.583 |
| 81 | 30 | LDR-Biased | 17.85 | 18.645 | 0.795 |
| 82 | 30 | LDR-Unbiased | 18.236 | 18.581 | 0.345 |
| 83 | 30 | LDR-Unbiased | 18.036 | 18.7 | 0.664 |
| 84 | 30 | LDR-Unbiased | 18.19 | 18.703 | 0.513 |
| 85 | 30 | LDR-Unbiased | 18.173 | 18.639 | 0.466 |
| 86 | 30 | LDR-Unbiased | 18.246 | 18.752 | 0.506 |
| 87 | 100 | LDR-Biased | 17.945 | 18.752 | 0.807 |
| 88 | 100 | LDR-Biased | 18.169 | 18.118 | -0.051 |
| 90 | 100 | LDR-Biased | 18.262 | 18.13 | -0.132 |
| 91 | 100 | LDR-Unbiased | 18.234 | 18.837 | 0.603 |
| 93 | 100 | LDR-Unbiased | 17.859 | 18.84 | 0.981 |
| 94 | 100 | LDR-Unbiased | 18.114 | 18.825 | 0.711 |
| 95 | 100 | LDR-Unbiased | 18.08 | 18.767 | 0.687 |
| 96 | 100 | LDR-Unbiased | 18.203 | 18.941 | 0.738 |
| 106 | 50 | LDR-Biased | 18.046 | 18.687 | 0.641 |
| 108 | 50 | LDR-Biased | 18.216 | 18.755 | 0.539 |
| 109 | 50 | LDR-Biased | 18.027 | 18.645 | 0.618 |
| 110 | 50 | LDR-Biased | 18.156 | 18.705 | 0.549 |
| 111 | 50 | LDR-Biased | 17.85 | 18.653 | 0.803 |
| 112 | 50 | LDR-Unbiased | 18.236 | 18.656 | 0.42 |
| 113 | 50 | LDR-Unbiased | 18.036 | 18.744 | 0.708 |
| 115 | 50 | LDR-Unbiased | 18.173 | 18.701 | 0.528 |
| 116 | 50 | LDR-Unbiased | 18.246 | 18.832 | 0.586 |
| 117 | 50 | LDR-Unbiased | 18.19 | 18.788 | 0.598 |

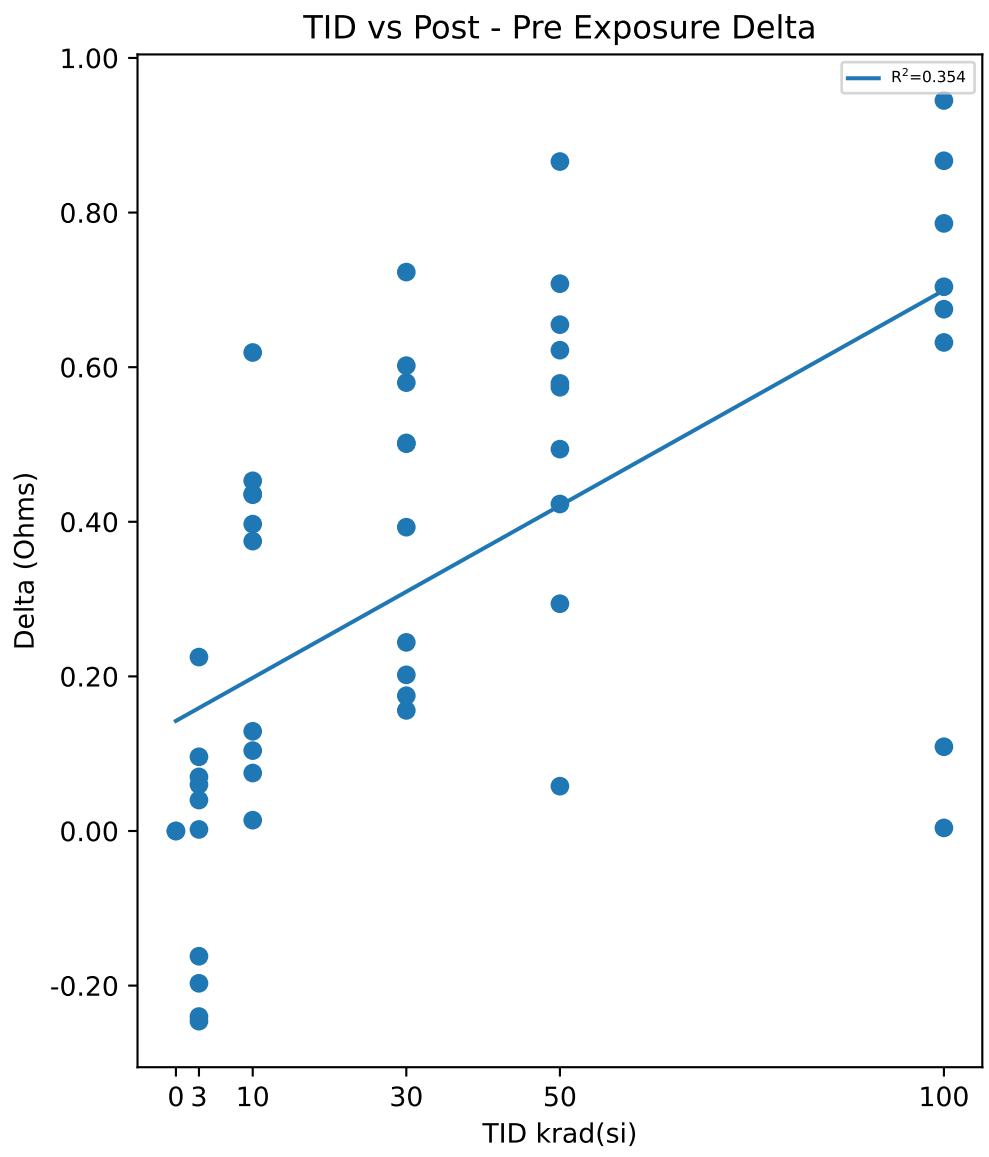



Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.069 | 18.148 | 18.226 | 0.11102 | 18.069 | 18.148 | 18.226 | 0.11102 | 0 | 0 | 0 | 0 |
| 3 | 17.85 | 18.118 | 18.246 | 0.12542 | 18.079 | 18.293 | 18.402 | 0.098422 | -0.157 | 0.1756 | 0.443 | 0.17262 |
| 10 | 17.85 | 18.118 | 18.246 | 0.12542 | 18.424 | 18.544 | 18.638 | 0.063209 | 0.188 | 0.4267 | 0.708 | 0.15171 |
| 30 | 17.85 | 18.118 | 18.246 | 0.12542 | 18.581 | 18.707 | 18.812 | 0.071854 | 0.345 | 0.589 | 0.795 | 0.13674 |
| 50 | 17.85 | 18.118 | 18.246 | 0.12542 | 18.645 | 18.717 | 18.832 | 0.062127 | 0.42 | 0.599 | 0.803 | 0.10487 |
| 100 | 17.859 | 18.108 | 18.262 | 0.14229 | 18.118 | 18.651 | 18.941 | 0.33034 | -0.132 | 0.543 | 0.981 | 0.40718 |

# Device Test: 18.1 Res_PU_EN2/EN2/1.6/3/0/0/2/@EN_RPMOS_LOW_V



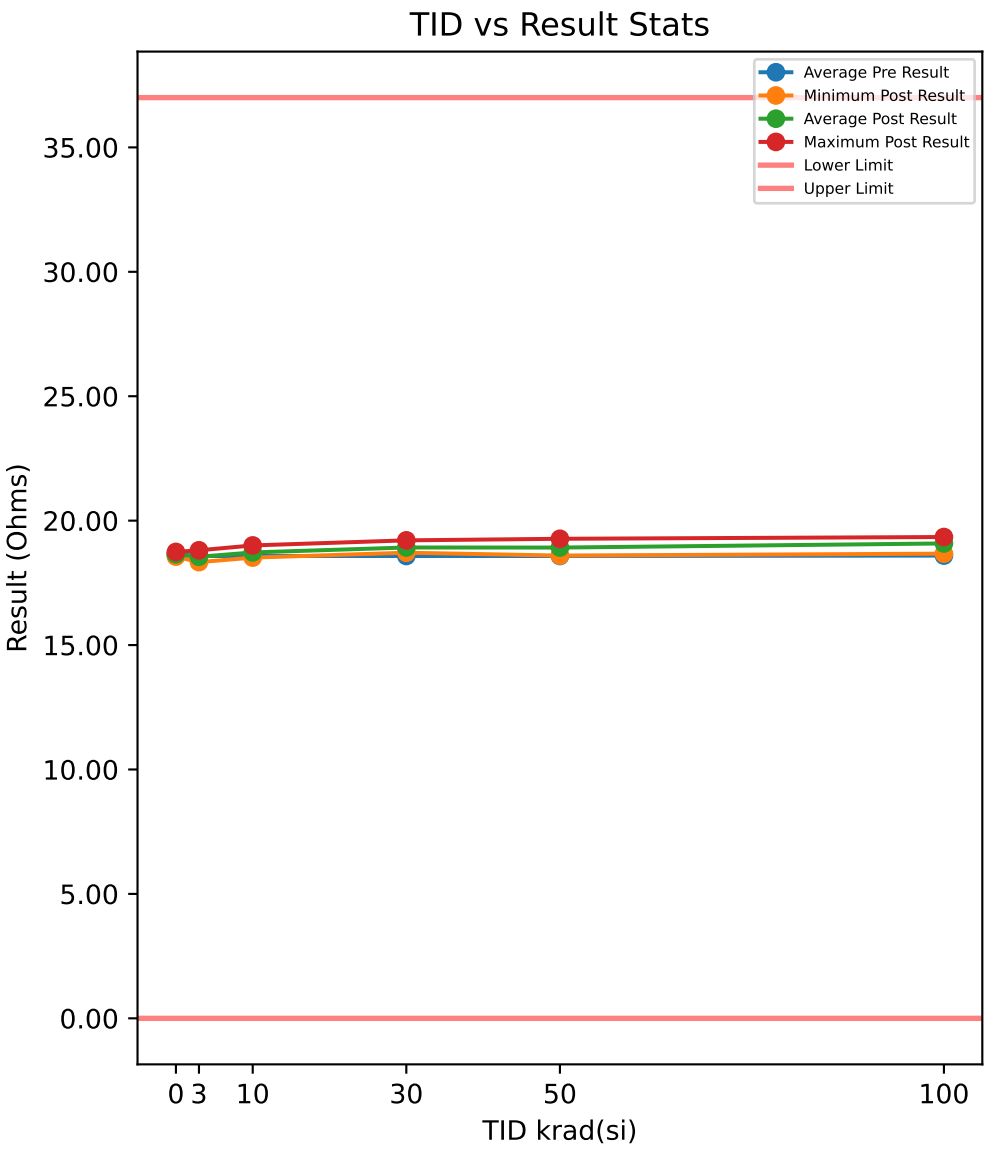

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

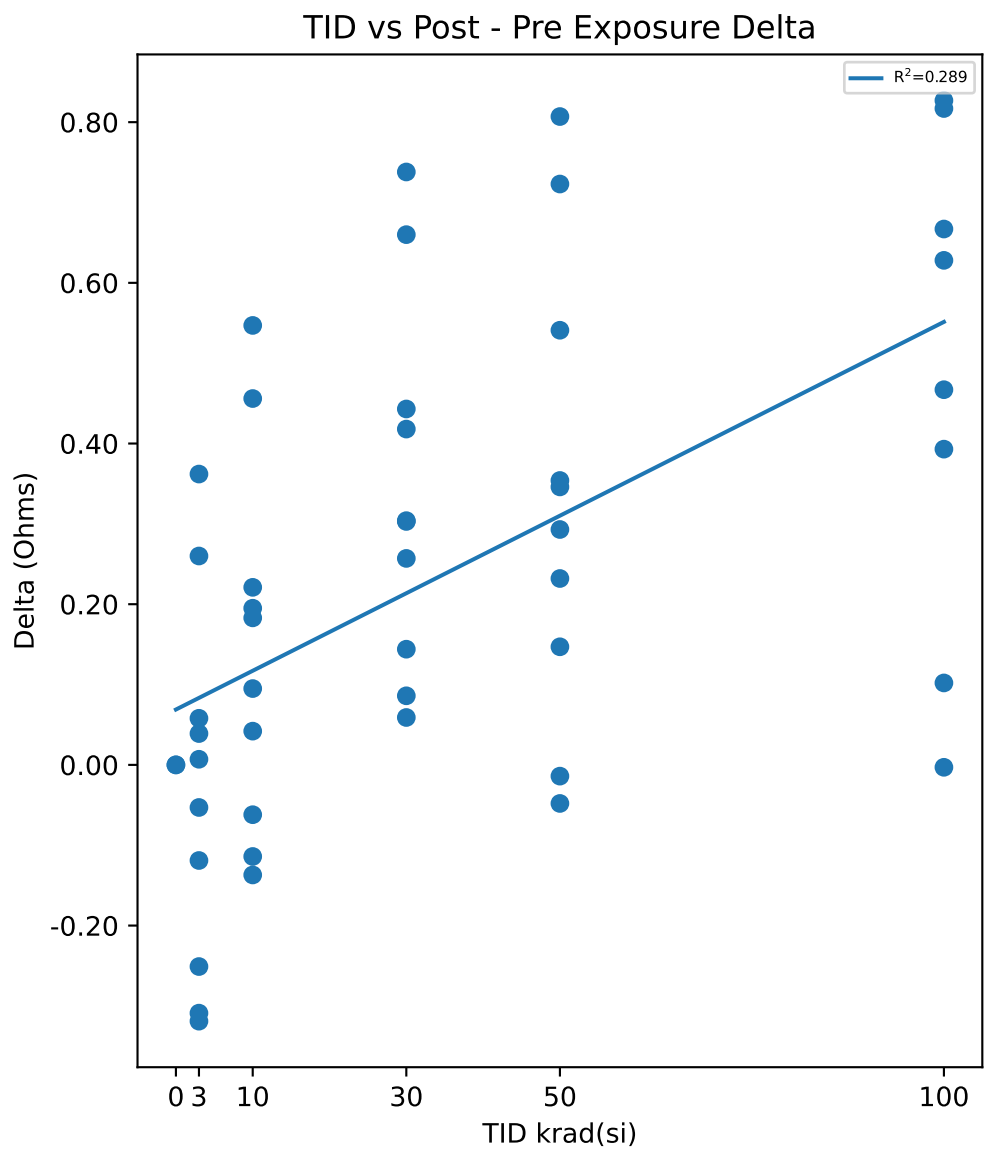
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 18.02 | 18.02 | 0 |
| 7 | 0 | Correlation | 17.775 | 17.775 | 0 |
| 16 | 3 | LDR-Biased | 17.799 | 17.553 | -0.246 |
| 18 | 3 | LDR-Biased | 17.757 | 17.797 | 0.04 |
| 19 | 3 | LDR-Biased | 17.761 | 17.821 | 0.06 |
| 20 | 3 | LDR-Biased | 17.851 | 17.654 | -0.197 |
| 21 | 3 | LDR-Biased | 17.697 | 17.767 | 0.07 |
| 22 | 3 | LDR-Unbiased | 18.007 | 17.767 | -0.24 |
| 23 | 3 | LDR-Unbiased | 17.618 | 17.843 | 0.225 |
| 25 | 3 | LDR-Unbiased | 17.848 | 17.85 | 0.002 |
| 26 | 3 | LDR-Unbiased | 17.9 | 17.996 | 0.096 |
| 27 | 3 | LDR-Unbiased | 17.915 | 17.753 | -0.162 |
| 46 | 10 | LDR-Biased | 17.799 | 17.813 | 0.014 |
| 48 | 10 | LDR-Biased | 17.757 | 18.154 | 0.397 |
| 49 | 10 | LDR-Biased | 17.761 | 18.196 | 0.435 |
| 50 | 10 | LDR-Biased | 17.851 | 17.926 | 0.075 |
| 51 | 10 | LDR-Biased | 17.697 | 18.133 | 0.436 |
| 52 | 10 | LDR-Unbiased | 18.007 | 18.111 | 0.104 |
| 53 | 10 | LDR-Unbiased | 17.618 | 18.237 | 0.619 |
| 55 | 10 | LDR-Unbiased | 17.848 | 18.223 | 0.375 |
| 56 | 10 | LDR-Unbiased | 17.9 | 18.353 | 0.453 |
| 57 | 10 | LDR-Unbiased | 17.915 | 18.044 | 0.129 |
| 76 | 30 | LDR-Biased | 17.799 | 17.955 | 0.156 |
| 78 | 30 | LDR-Biased | 17.757 | 18.337 | 0.58 |
| 79 | 30 | LDR-Biased | 17.761 | 18.263 | 0.502 |
| 80 | 30 | LDR-Biased | 17.851 | 18.026 | 0.175 |
| 81 | 30 | LDR-Biased | 17.697 | 18.09 | 0.393 |
| 82 | 30 | LDR-Unbiased | 18.007 | 18.209 | 0.202 |
| 83 | 30 | LDR-Unbiased | 17.618 | 18.341 | 0.723 |
| 84 | 30 | LDR-Unbiased | 17.915 | 18.159 | 0.244 |
| 85 | 30 | LDR-Unbiased | 17.848 | 18.349 | 0.501 |
| 86 | 30 | LDR-Unbiased | 17.9 | 18.502 | 0.602 |
| 87 | 100 | LDR-Biased | 17.757 | 18.624 | 0.867 |
| 88 | 100 | LDR-Biased | 17.894 | 17.898 | 0.004 |
| 90 | 100 | LDR-Biased | 17.802 | 17.911 | 0.109 |
| 91 | 100 | LDR-Unbiased | 17.981 | 18.656 | 0.675 |
| 93 | 100 | LDR-Unbiased | 17.711 | 18.656 | 0.945 |
| 94 | 100 | LDR-Unbiased | 17.832 | 18.464 | 0.632 |
| 95 | 100 | LDR-Unbiased | 17.777 | 18.563 | 0.786 |
| 96 | 100 | LDR-Unbiased | 17.93 | 18.634 | 0.704 |
| 106 | 50 | LDR-Biased | 17.799 | 17.857 | 0.058 |
| 108 | 50 | LDR-Biased | 17.757 | 18.379 | 0.622 |
| 109 | 50 | LDR-Biased | 17.761 | 18.335 | 0.574 |
| 110 | 50 | LDR-Biased | 17.851 | 18.145 | 0.294 |
| 111 | 50 | LDR-Biased | 17.697 | 18.276 | 0.579 |
| 112 | 50 | LDR-Unbiased | 18.007 | 18.43 | 0.423 |
| 113 | 50 | LDR-Unbiased | 17.618 | 18.484 | 0.866 |
| 115 | 50 | LDR-Unbiased | 17.848 | 18.503 | 0.655 |
| 116 | 50 | LDR-Unbiased | 17.9 | 18.608 | 0.708 |
| 117 | 50 | LDR-Unbiased | 17.915 | 18.409 | 0.494 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.775 | 17.898 | 18.02 | 0.17324 | 17.775 | 17.898 | 18.02 | 0.17324 | 0 | 0 | 0 | 0 |
| 3 | 17.618 | 17.815 | 18.007 | 0.1134 | 17.553 | 17.78 | 17.996 | 0.11831 | -0.246 | -0.0352 | 0.225 | 0.16355 |
| 10 | 17.618 | 17.815 | 18.007 | 0.1134 | 17.813 | 18.119 | 18.353 | 0.15756 | 0.014 | 0.3037 | 0.619 | 0.20463 |
| 30 | 17.618 | 17.815 | 18.007 | 0.1134 | 17.955 | 18.223 | 18.502 | 0.16828 | 0.156 | 0.4078 | 0.723 | 0.20311 |
| 50 | 17.618 | 17.815 | 18.007 | 0.1134 | 17.857 | 18.343 | 18.608 | 0.21315 | 0.058 | 0.5273 | 0.866 | 0.2271 |
| 100 | 17.711 | 17.835 | 17.981 | 0.092383 | 17.898 | 18.426 | 18.656 | 0.32787 | 0.004 | 0.59025 | 0.945 | 0.34598 |

# Device Test: 18.10 Res_PU_PWRDG/PWRGD/1.6/14/0/0/2/@PWRGD_RPMOS_LOW_V



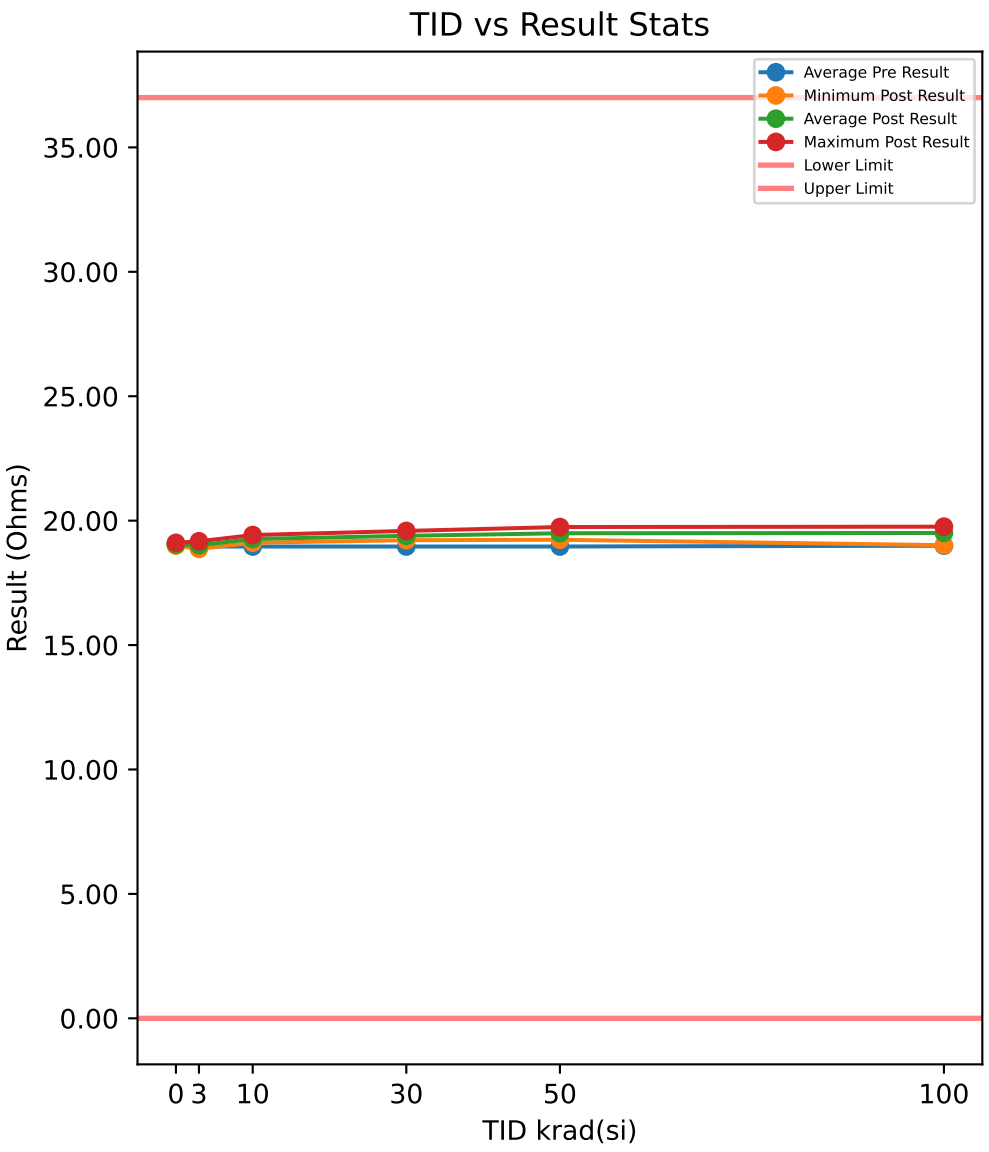

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

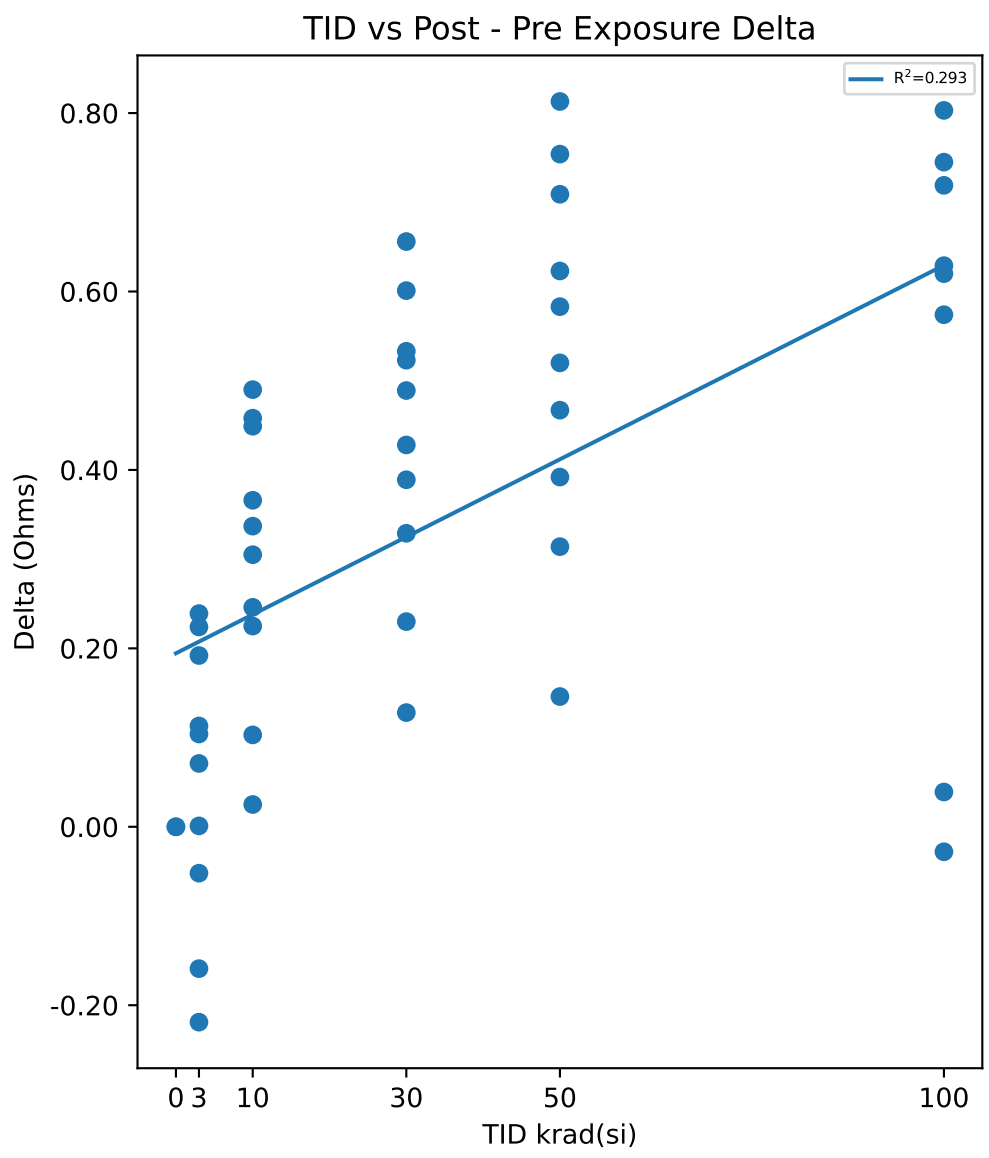
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 18.743 | 18.743 | 0 |
| 7 | 0 | Correlation | 18.555 | 18.555 | 0 |
| 16 | 3 | LDR-Biased | 18.61 | 18.359 | -0.251 |
| 18 | 3 | LDR-Biased | 18.537 | 18.576 | 0.039 |
| 19 | 3 | LDR-Biased | 18.62 | 18.567 | -0.053 |
| 20 | 3 | LDR-Biased | 18.652 | 18.333 | -0.319 |
| 21 | 3 | LDR-Biased | 18.497 | 18.504 | 0.007 |
| 22 | 3 | LDR-Unbiased | 18.729 | 18.42 | -0.309 |
| 23 | 3 | LDR-Unbiased | 18.328 | 18.69 | 0.362 |
| 25 | 3 | LDR-Unbiased | 18.548 | 18.808 | 0.26 |
| 26 | 3 | LDR-Unbiased | 18.6 | 18.658 | 0.058 |
| 27 | 3 | LDR-Unbiased | 18.678 | 18.559 | -0.119 |
| 46 | 10 | LDR-Biased | 18.61 | 18.548 | -0.062 |
| 48 | 10 | LDR-Biased | 18.537 | 18.732 | 0.195 |
| 49 | 10 | LDR-Biased | 18.62 | 18.715 | 0.095 |
| 50 | 10 | LDR-Biased | 18.652 | 18.515 | -0.137 |
| 51 | 10 | LDR-Biased | 18.497 | 18.68 | 0.183 |
| 52 | 10 | LDR-Unbiased | 18.729 | 18.615 | -0.114 |
| 53 | 10 | LDR-Unbiased | 18.328 | 18.875 | 0.547 |
| 55 | 10 | LDR-Unbiased | 18.548 | 19.004 | 0.456 |
| 56 | 10 | LDR-Unbiased | 18.6 | 18.821 | 0.221 |
| 57 | 10 | LDR-Unbiased | 18.678 | 18.72 | 0.042 |
| 76 | 30 | LDR-Biased | 18.61 | 18.754 | 0.144 |
| 78 | 30 | LDR-Biased | 18.537 | 18.955 | 0.418 |
| 79 | 30 | LDR-Biased | 18.62 | 18.924 | 0.304 |
| 80 | 30 | LDR-Biased | 18.652 | 18.711 | 0.059 |
| 81 | 30 | LDR-Biased | 18.497 | 18.8 | 0.303 |
| 82 | 30 | LDR-Unbiased | 18.729 | 18.815 | 0.086 |
| 83 | 30 | LDR-Unbiased | 18.328 | 19.066 | 0.738 |
| 84 | 30 | LDR-Unbiased | 18.678 | 18.935 | 0.257 |
| 85 | 30 | LDR-Unbiased | 18.548 | 19.208 | 0.66 |
| 86 | 30 | LDR-Unbiased | 18.6 | 19.043 | 0.443 |
| 87 | 100 | LDR-Biased | 18.498 | 19.325 | 0.827 |
| 88 | 100 | LDR-Biased | 18.676 | 18.673 | -0.003 |
| 90 | 100 | LDR-Biased | 18.58 | 18.682 | 0.102 |
| 91 | 100 | LDR-Unbiased | 18.714 | 19.342 | 0.628 |
| 93 | 100 | LDR-Unbiased | 18.505 | 19.322 | 0.817 |
| 94 | 100 | LDR-Unbiased | 18.637 | 19.03 | 0.393 |
| 95 | 100 | LDR-Unbiased | 18.493 | 19.16 | 0.667 |
| 96 | 100 | LDR-Unbiased | 18.667 | 19.134 | 0.467 |
| 106 | 50 | LDR-Biased | 18.61 | 18.596 | -0.014 |
| 108 | 50 | LDR-Biased | 18.537 | 18.891 | 0.354 |
| 109 | 50 | LDR-Biased | 18.62 | 18.852 | 0.232 |
| 110 | 50 | LDR-Biased | 18.652 | 18.604 | -0.048 |
| 111 | 50 | LDR-Biased | 18.497 | 18.79 | 0.293 |
| 112 | 50 | LDR-Unbiased | 18.729 | 18.876 | 0.147 |
| 113 | 50 | LDR-Unbiased | 18.328 | 19.135 | 0.807 |
| 115 | 50 | LDR-Unbiased | 18.548 | 19.271 | 0.723 |
| 116 | 50 | LDR-Unbiased | 18.6 | 19.141 | 0.541 |
| 117 | 50 | LDR-Unbiased | 18.678 | 19.024 | 0.346 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.555 | 18.649 | 18.743 | 0.13294 | 18.555 | 18.649 | 18.743 | 0.13294 | 0 | 0 | 0 | 0 |
| 3 | 18.328 | 18.58 | 18.729 | 0.11213 | 18.333 | 18.547 | 18.808 | 0.14959 | -0.319 | -0.0325 | 0.362 | 0.22858 |
| 10 | 18.328 | 18.58 | 18.729 | 0.11213 | 18.515 | 18.723 | 19.004 | 0.14878 | -0.137 | 0.1426 | 0.547 | 0.22866 |
| 30 | 18.328 | 18.58 | 18.729 | 0.11213 | 18.711 | 18.921 | 19.208 | 0.15546 | 0.059 | 0.3412 | 0.738 | 0.22826 |
| 50 | 18.328 | 18.58 | 18.729 | 0.11213 | 18.596 | 18.918 | 19.271 | 0.22563 | -0.048 | 0.3381 | 0.807 | 0.28526 |
| 100 | 18.493 | 18.596 | 18.714 | 0.089279 | 18.673 | 19.084 | 19.342 | 0.27334 | -0.003 | 0.48725 | 0.827 | 0.31038 |

# Device Test: 18.11 Res_PU_SEQ/SEQ_DONE/1.6/14/0/0/2/@SEQDONE_RPMOS_LOW_V



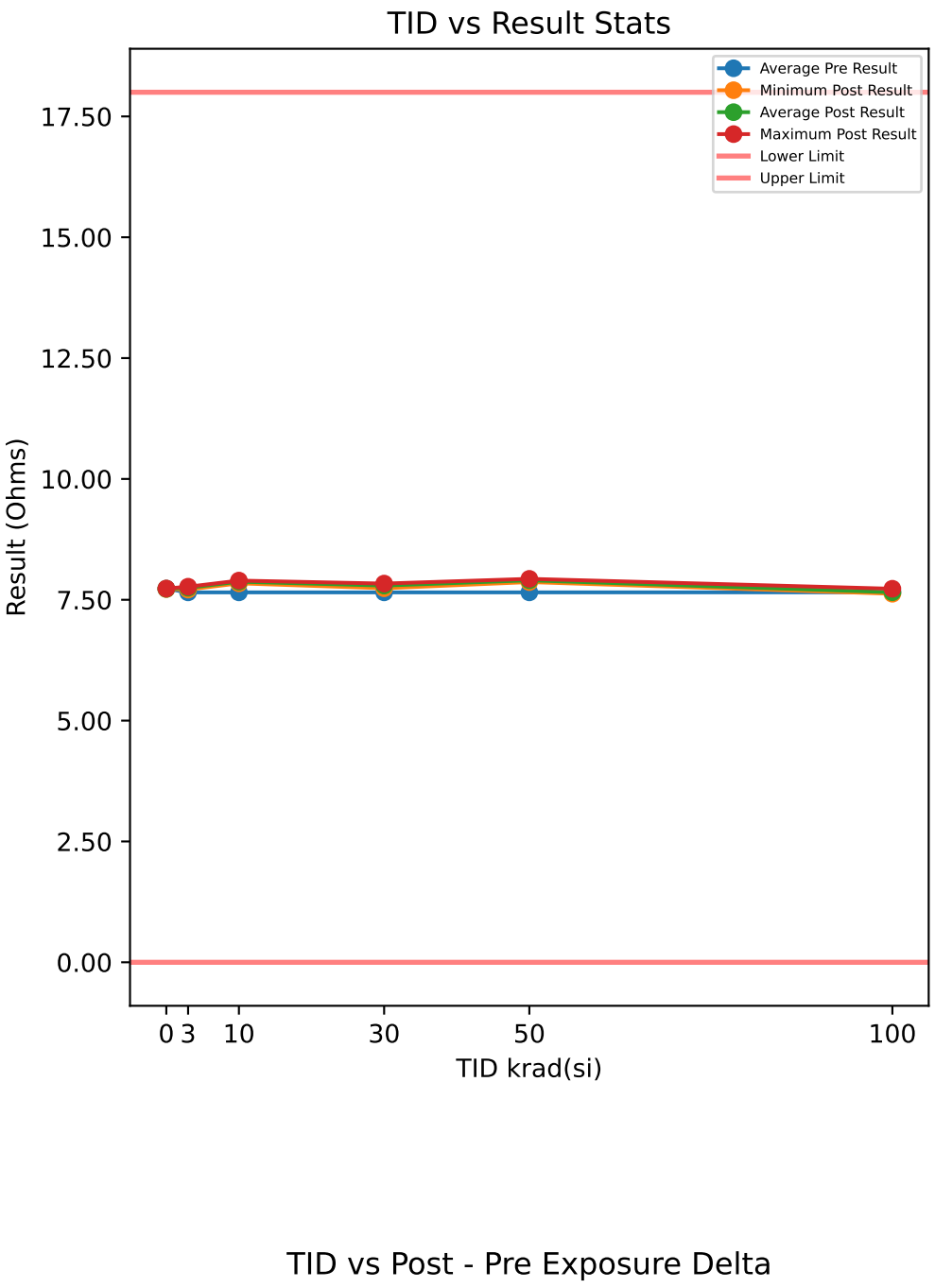

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

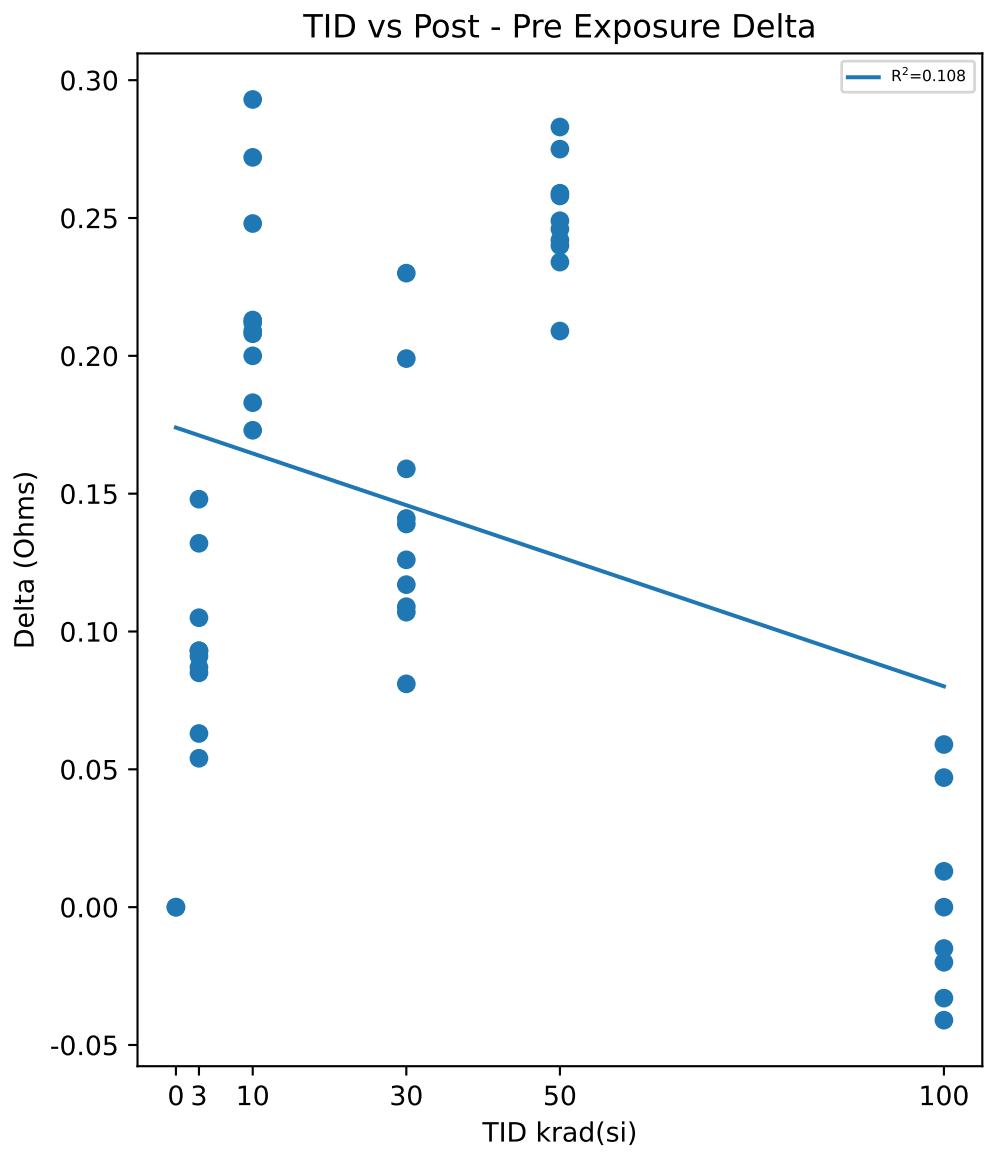
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 19.107 | 19.107 | 0 |
| 7 | 0 | Correlation | 18.996 | 18.996 | 0 |
| 16 | 3 | LDR-Biased | 18.959 | 18.907 | -0.052 |
| 18 | 3 | LDR-Biased | 18.939 | 19.043 | 0.104 |
| 19 | 3 | LDR-Biased | 18.939 | 19.01 | 0.071 |
| 20 | 3 | LDR-Biased | 19.086 | 18.867 | -0.219 |
| 21 | 3 | LDR-Biased | 18.845 | 19.069 | 0.224 |
| 22 | 3 | LDR-Unbiased | 19.051 | 18.892 | -0.159 |
| 23 | 3 | LDR-Unbiased | 18.845 | 19.037 | 0.192 |
| 25 | 3 | LDR-Unbiased | 18.931 | 19.17 | 0.239 |
| 26 | 3 | LDR-Unbiased | 18.979 | 19.092 | 0.113 |
| 27 | 3 | LDR-Unbiased | 19.032 | 19.033 | 0.001 |
| 46 | 10 | LDR-Biased | 18.959 | 19.184 | 0.225 |
| 48 | 10 | LDR-Biased | 18.939 | 19.276 | 0.337 |
| 49 | 10 | LDR-Biased | 18.939 | 19.244 | 0.305 |
| 50 | 10 | LDR-Biased | 19.086 | 19.111 | 0.025 |
| 51 | 10 | LDR-Biased | 18.845 | 19.303 | 0.458 |
| 52 | 10 | LDR-Unbiased | 19.051 | 19.154 | 0.103 |
| 53 | 10 | LDR-Unbiased | 18.845 | 19.294 | 0.449 |
| 55 | 10 | LDR-Unbiased | 18.931 | 19.421 | 0.49 |
| 56 | 10 | LDR-Unbiased | 18.979 | 19.345 | 0.366 |
| 57 | 10 | LDR-Unbiased | 19.032 | 19.278 | 0.246 |
| 76 | 30 | LDR-Biased | 18.959 | 19.288 | 0.329 |
| 78 | 30 | LDR-Biased | 18.939 | 19.428 | 0.489 |
| 79 | 30 | LDR-Biased | 18.939 | 19.367 | 0.428 |
| 80 | 30 | LDR-Biased | 19.086 | 19.214 | 0.128 |
| 81 | 30 | LDR-Biased | 18.845 | 19.368 | 0.523 |
| 82 | 30 | LDR-Unbiased | 19.051 | 19.281 | 0.23 |
| 83 | 30 | LDR-Unbiased | 18.845 | 19.446 | 0.601 |
| 84 | 30 | LDR-Unbiased | 19.032 | 19.421 | 0.389 |
| 85 | 30 | LDR-Unbiased | 18.931 | 19.587 | 0.656 |
| 86 | 30 | LDR-Unbiased | 18.979 | 19.512 | 0.533 |
| 87 | 100 | LDR-Biased | 18.956 | 19.701 | 0.745 |
| 88 | 100 | LDR-Biased | 19.042 | 19.014 | -0.028 |
| 90 | 100 | LDR-Biased | 18.982 | 19.021 | 0.039 |
| 91 | 100 | LDR-Unbiased | 19.039 | 19.758 | 0.719 |
| 93 | 100 | LDR-Unbiased | 18.854 | 19.657 | 0.803 |
| 94 | 100 | LDR-Unbiased | 19.005 | 19.579 | 0.574 |
| 95 | 100 | LDR-Unbiased | 19.021 | 19.65 | 0.629 |
| 96 | 100 | LDR-Unbiased | 19.042 | 19.662 | 0.62 |
| 106 | 50 | LDR-Biased | 18.959 | 19.273 | 0.314 |
| 108 | 50 | LDR-Biased | 18.939 | 19.459 | 0.52 |
| 109 | 50 | LDR-Biased | 18.939 | 19.406 | 0.467 |
| 110 | 50 | LDR-Biased | 19.086 | 19.232 | 0.146 |
| 111 | 50 | LDR-Biased | 18.845 | 19.468 | 0.623 |
| 112 | 50 | LDR-Unbiased | 19.051 | 19.443 | 0.392 |
| 113 | 50 | LDR-Unbiased | 18.845 | 19.599 | 0.754 |
| 115 | 50 | LDR-Unbiased | 18.931 | 19.744 | 0.813 |
| 116 | 50 | LDR-Unbiased | 18.979 | 19.688 | 0.709 |
| 117 | 50 | LDR-Unbiased | 19.032 | 19.615 | 0.583 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.996 | 19.051 | 19.107 | 0.078489 | 18.996 | 19.051 | 19.107 | 0.078489 | 0 | 0 | 0 | 0 |
| 3 | 18.845 | 18.961 | 19.086 | 0.080189 | 18.867 | 19.012 | 19.17 | 0.096087 | -0.219 | 0.0514 | 0.239 | 0.15717 |
| 10 | 18.845 | 18.961 | 19.086 | 0.080189 | 19.111 | 19.261 | 19.421 | 0.092008 | 0.025 | 0.3004 | 0.49 | 0.15347 |
| 30 | 18.845 | 18.961 | 19.086 | 0.080189 | 19.214 | 19.391 | 19.587 | 0.1123 | 0.128 | 0.4306 | 0.656 | 0.16538 |
| 50 | 18.845 | 18.961 | 19.086 | 0.080189 | 19.232 | 19.493 | 19.744 | 0.1685 | 0.146 | 0.5321 | 0.813 | 0.20842 |
| 100 | 18.854 | 18.993 | 19.042 | 0.063982 | 19.014 | 19.505 | 19.758 | 0.3052 | -0.028 | 0.51262 | 0.803 | 0.32212 |

# Device Test: 18.12 Res_PU_EN1/EN1/7/3/0/0/2/@EN_RPMOS_HIGH_V



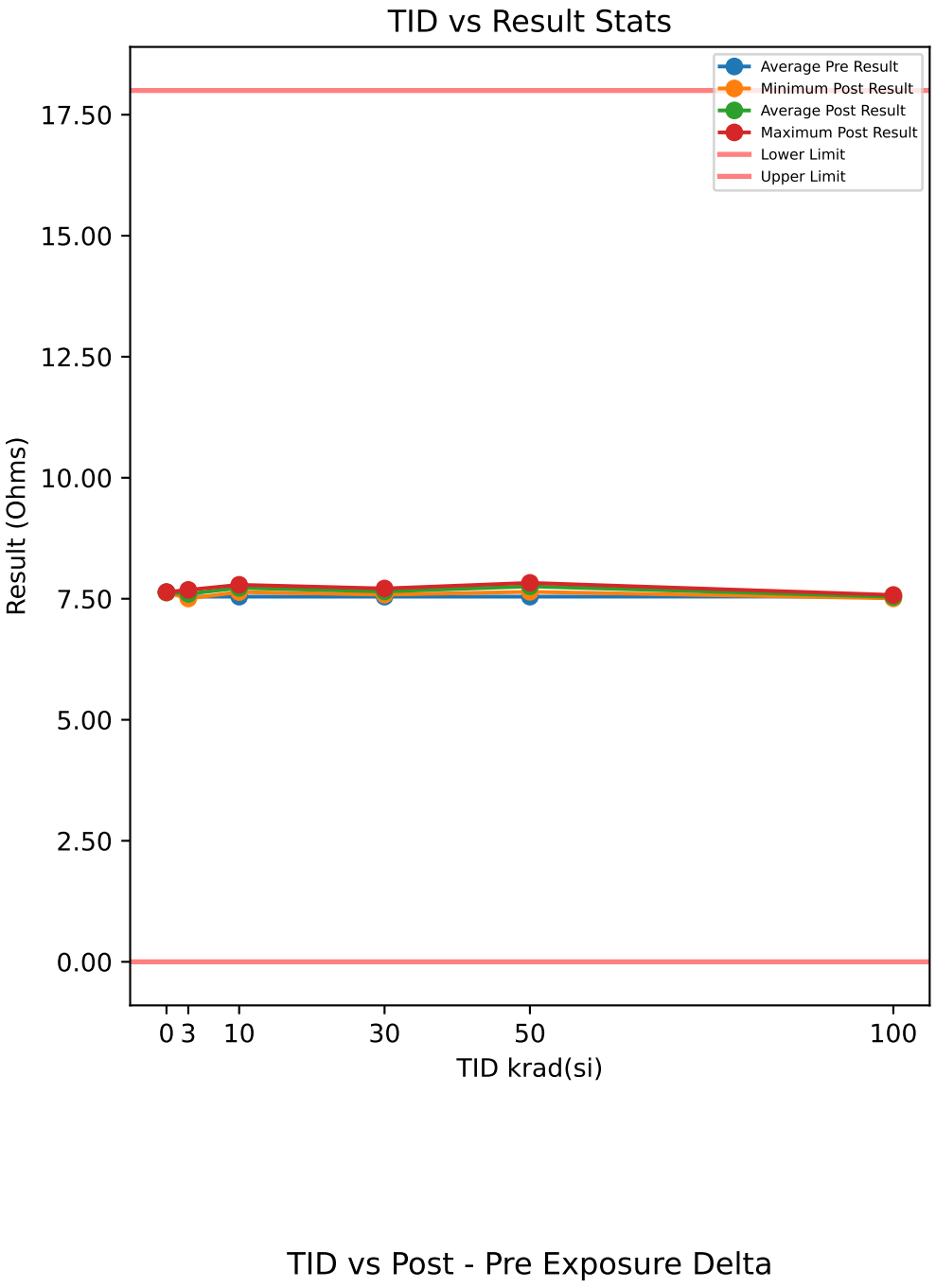

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

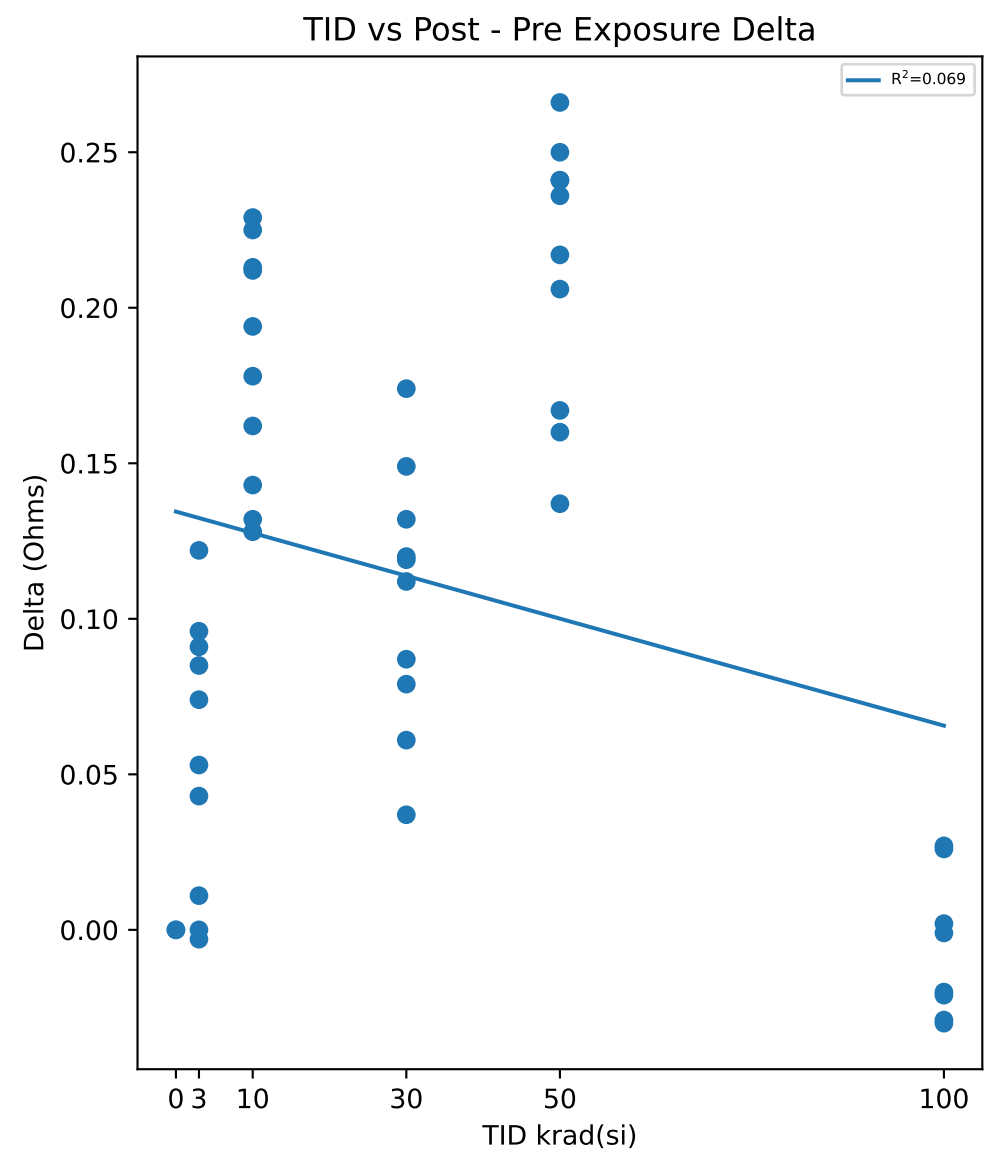
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 7.723 | 7.723 | 0 |
| 7 | 0 | Correlation | 7.733 | 7.733 | 0 |
| 16 | 3 | LDR-Biased | 7.604 | 7.752 | 0.148 |
| 18 | 3 | LDR-Biased | 7.636 | 7.741 | 0.105 |
| 19 | 3 | LDR-Biased | 7.69 | 7.753 | 0.063 |
| 20 | 3 | LDR-Biased | 7.656 | 7.749 | 0.093 |
| 21 | 3 | LDR-Biased | 7.608 | 7.74 | 0.132 |
| 22 | 3 | LDR-Unbiased | 7.657 | 7.711 | 0.054 |
| 23 | 3 | LDR-Unbiased | 7.652 | 7.743 | 0.091 |
| 25 | 3 | LDR-Unbiased | 7.669 | 7.756 | 0.087 |
| 26 | 3 | LDR-Unbiased | 7.685 | 7.77 | 0.085 |
| 27 | 3 | LDR-Unbiased | 7.675 | 7.768 | 0.093 |
| 46 | 10 | LDR-Biased | 7.604 | 7.897 | 0.293 |
| 48 | 10 | LDR-Biased | 7.636 | 7.884 | 0.248 |
| 49 | 10 | LDR-Biased | 7.69 | 7.863 | 0.173 |
| 50 | 10 | LDR-Biased | 7.656 | 7.868 | 0.212 |
| 51 | 10 | LDR-Biased | 7.608 | 7.88 | 0.272 |
| 52 | 10 | LDR-Unbiased | 7.657 | 7.84 | 0.183 |
| 53 | 10 | LDR-Unbiased | 7.652 | 7.861 | 0.209 |
| 55 | 10 | LDR-Unbiased | 7.669 | 7.869 | 0.2 |
| 56 | 10 | LDR-Unbiased | 7.685 | 7.893 | 0.208 |
| 57 | 10 | LDR-Unbiased | 7.675 | 7.888 | 0.213 |
| 76 | 30 | LDR-Biased | 7.604 | 7.834 | 0.23 |
| 78 | 30 | LDR-Biased | 7.636 | 7.835 | 0.199 |
| 79 | 30 | LDR-Biased | 7.69 | 7.816 | 0.126 |
| 80 | 30 | LDR-Biased | 7.656 | 7.795 | 0.139 |
| 81 | 30 | LDR-Biased | 7.608 | 7.767 | 0.159 |
| 82 | 30 | LDR-Unbiased | 7.657 | 7.738 | 0.081 |
| 83 | 30 | LDR-Unbiased | 7.652 | 7.793 | 0.141 |
| 84 | 30 | LDR-Unbiased | 7.675 | 7.792 | 0.117 |
| 85 | 30 | LDR-Unbiased | 7.669 | 7.778 | 0.109 |
| 86 | 30 | LDR-Unbiased | 7.685 | 7.792 | 0.107 |
| 87 | 100 | LDR-Biased | 7.625 | 7.625 | 0 |
| 88 | 100 | LDR-Biased | 7.654 | 7.634 | -0.02 |
| 90 | 100 | LDR-Biased | 7.673 | 7.632 | -0.041 |
| 91 | 100 | LDR-Unbiased | 7.657 | 7.642 | -0.015 |
| 93 | 100 | LDR-Unbiased | 7.614 | 7.661 | 0.047 |
| 94 | 100 | LDR-Unbiased | 7.644 | 7.657 | 0.013 |
| 95 | 100 | LDR-Unbiased | 7.702 | 7.669 | -0.033 |
| 96 | 100 | LDR-Unbiased | 7.669 | 7.728 | 0.059 |
| 106 | 50 | LDR-Biased | 7.604 | 7.879 | 0.275 |
| 108 | 50 | LDR-Biased | 7.636 | 7.895 | 0.259 |
| 109 | 50 | LDR-Biased | 7.69 | 7.924 | 0.234 |
| 110 | 50 | LDR-Biased | 7.656 | 7.905 | 0.249 |
| 111 | 50 | LDR-Biased | 7.608 | 7.891 | 0.283 |
| 112 | 50 | LDR-Unbiased | 7.657 | 7.866 | 0.209 |
| 113 | 50 | LDR-Unbiased | 7.652 | 7.898 | 0.246 |
| 115 | 50 | LDR-Unbiased | 7.669 | 7.909 | 0.24 |
| 116 | 50 | LDR-Unbiased | 7.685 | 7.927 | 0.242 |
| 117 | 50 | LDR-Unbiased | 7.675 | 7.933 | 0.258 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.723 | 7.728 | 7.733 | 0.0070711 | 7.723 | 7.728 | 7.733 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 7.604 | 7.6532 | 7.69 | 0.029578 | 7.711 | 7.7483 | 7.77 | 0.016654 | 0.054 | 0.0951 | 0.148 | 0.028227 |
| 10 | 7.604 | 7.6532 | 7.69 | 0.029578 | 7.84 | 7.8743 | 7.897 | 0.01741 | 0.173 | 0.2211 | 0.293 | 0.03824 |
| 30 | 7.604 | 7.6532 | 7.69 | 0.029578 | 7.738 | 7.794 | 7.835 | 0.02962 | 0.081 | 0.1408 | 0.23 | 0.044961 |
| 50 | 7.604 | 7.6532 | 7.69 | 0.029578 | 7.866 | 7.9027 | 7.933 | 0.021432 | 0.209 | 0.2495 | 0.283 | 0.021015 |
| 100 | 7.614 | 7.6547 | 7.702 | 0.027866 | 7.625 | 7.656 | 7.728 | 0.032942 | -0.041 | 0.00125 | 0.059 | 0.036335 |

# Device Test: 18.13 Res_PU_EN2/EN2/7/3/0/0/2/@EN_RPMOS_HIGH_V



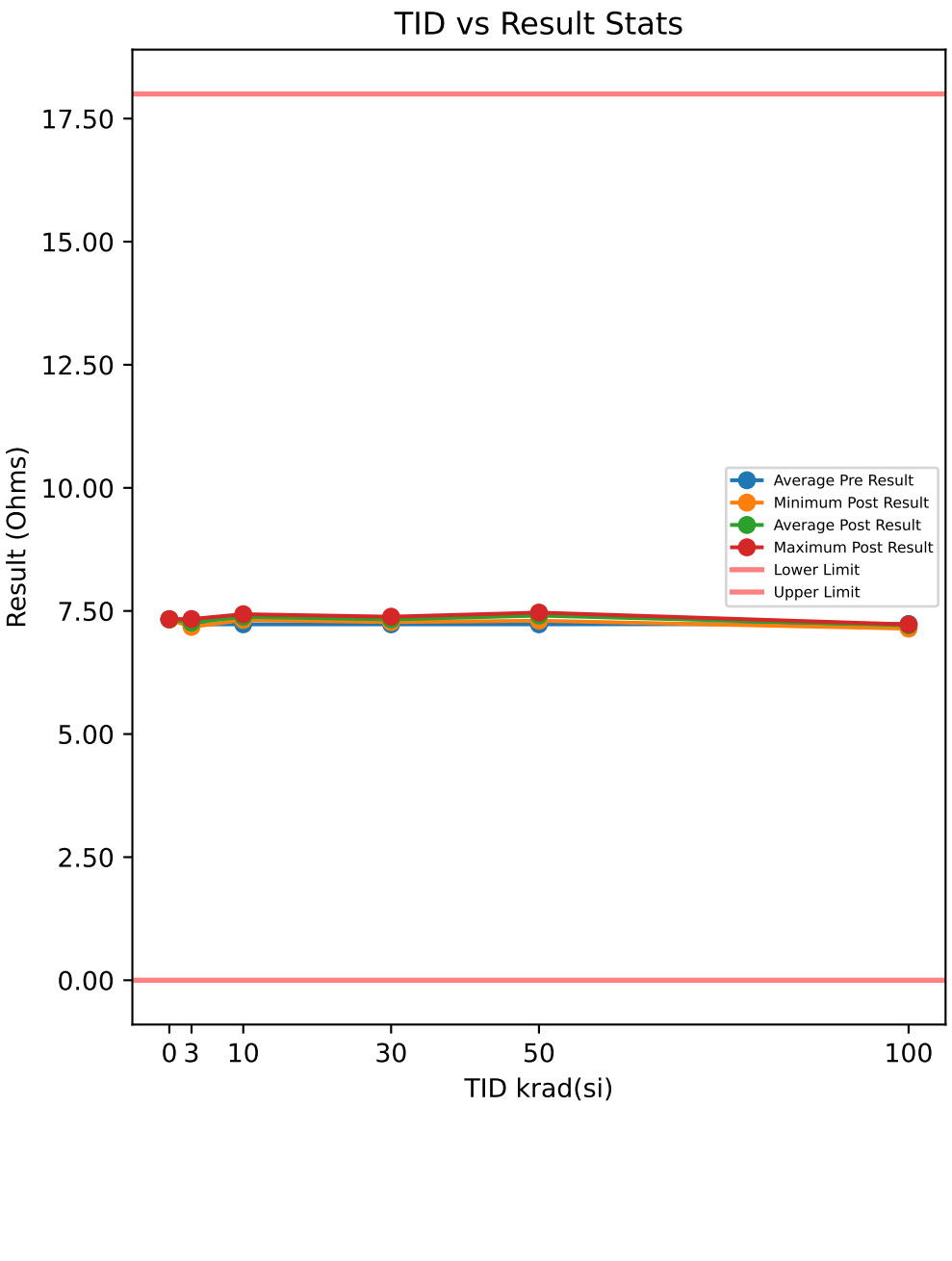

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 7.638 | 7.638 | 0 |
| 7 | 0 | Correlation | 7.628 | 7.628 | 0 |
| 16 | 3 | LDR-Biased | 7.506 | 7.506 | 0 |
| 18 | 3 | LDR-Biased | 7.501 | 7.597 | 0.096 |
| 19 | 3 | LDR-Biased | 7.57 | 7.623 | 0.053 |
| 20 | 3 | LDR-Biased | 7.544 | 7.541 | -0.003 |
| 21 | 3 | LDR-Biased | 7.52 | 7.594 | 0.074 |
| 22 | 3 | LDR-Unbiased | 7.579 | 7.59 | 0.011 |
| 23 | 3 | LDR-Unbiased | 7.494 | 7.616 | 0.122 |
| 25 | 3 | LDR-Unbiased | 7.563 | 7.648 | 0.085 |
| 26 | 3 | LDR-Unbiased | 7.592 | 7.683 | 0.091 |
| 27 | 3 | LDR-Unbiased | 7.565 | 7.608 | 0.043 |
| 46 | 10 | LDR-Biased | 7.506 | 7.638 | 0.132 |
| 48 | 10 | LDR-Biased | 7.501 | 7.714 | 0.213 |
| 49 | 10 | LDR-Biased | 7.57 | 7.748 | 0.178 |
| 50 | 10 | LDR-Biased | 7.544 | 7.672 | 0.128 |
| 51 | 10 | LDR-Biased | 7.52 | 7.732 | 0.212 |
| 52 | 10 | LDR-Unbiased | 7.579 | 7.722 | 0.143 |
| 53 | 10 | LDR-Unbiased | 7.494 | 7.723 | 0.229 |
| 55 | 10 | LDR-Unbiased | 7.563 | 7.788 | 0.225 |
| 56 | 10 | LDR-Unbiased | 7.592 | 7.786 | 0.194 |
| 57 | 10 | LDR-Unbiased | 7.565 | 7.727 | 0.162 |
| 76 | 30 | LDR-Biased | 7.506 | 7.585 | 0.079 |
| 78 | 30 | LDR-Biased | 7.501 | 7.675 | 0.174 |
| 79 | 30 | LDR-Biased | 7.57 | 7.682 | 0.112 |
| 80 | 30 | LDR-Biased | 7.544 | 7.605 | 0.061 |
| 81 | 30 | LDR-Biased | 7.52 | 7.639 | 0.119 |
| 82 | 30 | LDR-Unbiased | 7.579 | 7.616 | 0.037 |
| 83 | 30 | LDR-Unbiased | 7.494 | 7.643 | 0.149 |
| 84 | 30 | LDR-Unbiased | 7.565 | 7.652 | 0.087 |
| 85 | 30 | LDR-Unbiased | 7.563 | 7.695 | 0.132 |
| 86 | 30 | LDR-Unbiased | 7.592 | 7.712 | 0.12 |
| 87 | 100 | LDR-Biased | 7.503 | 7.529 | 0.026 |
| 88 | 100 | LDR-Biased | 7.548 | 7.528 | -0.02 |
| 90 | 100 | LDR-Biased | 7.534 | 7.533 | -0.001 |
| 91 | 100 | LDR-Unbiased | 7.569 | 7.539 | -0.03 |
| 93 | 100 | LDR-Unbiased | 7.52 | 7.547 | 0.027 |
| 94 | 100 | LDR-Unbiased | 7.529 | 7.508 | -0.021 |
| 95 | 100 | LDR-Unbiased | 7.588 | 7.559 | -0.029 |
| 96 | 100 | LDR-Unbiased | 7.576 | 7.578 | 0.002 |
| 106 | 50 | LDR-Biased | 7.506 | 7.643 | 0.137 |
| 108 | 50 | LDR-Biased | 7.501 | 7.742 | 0.241 |
| 109 | 50 | LDR-Biased | 7.57 | 7.776 | 0.206 |
| 110 | 50 | LDR-Biased | 7.544 | 7.704 | 0.16 |
| 111 | 50 | LDR-Biased | 7.52 | 7.761 | 0.241 |
| 112 | 50 | LDR-Unbiased | 7.579 | 7.746 | 0.167 |
| 113 | 50 | LDR-Unbiased | 7.494 | 7.76 | 0.266 |
| 115 | 50 | LDR-Unbiased | 7.563 | 7.813 | 0.25 |
| 116 | 50 | LDR-Unbiased | 7.592 | 7.828 | 0.236 |
| 117 | 50 | LDR-Unbiased | 7.565 | 7.782 | 0.217 |

Test Statistics (Ohms)

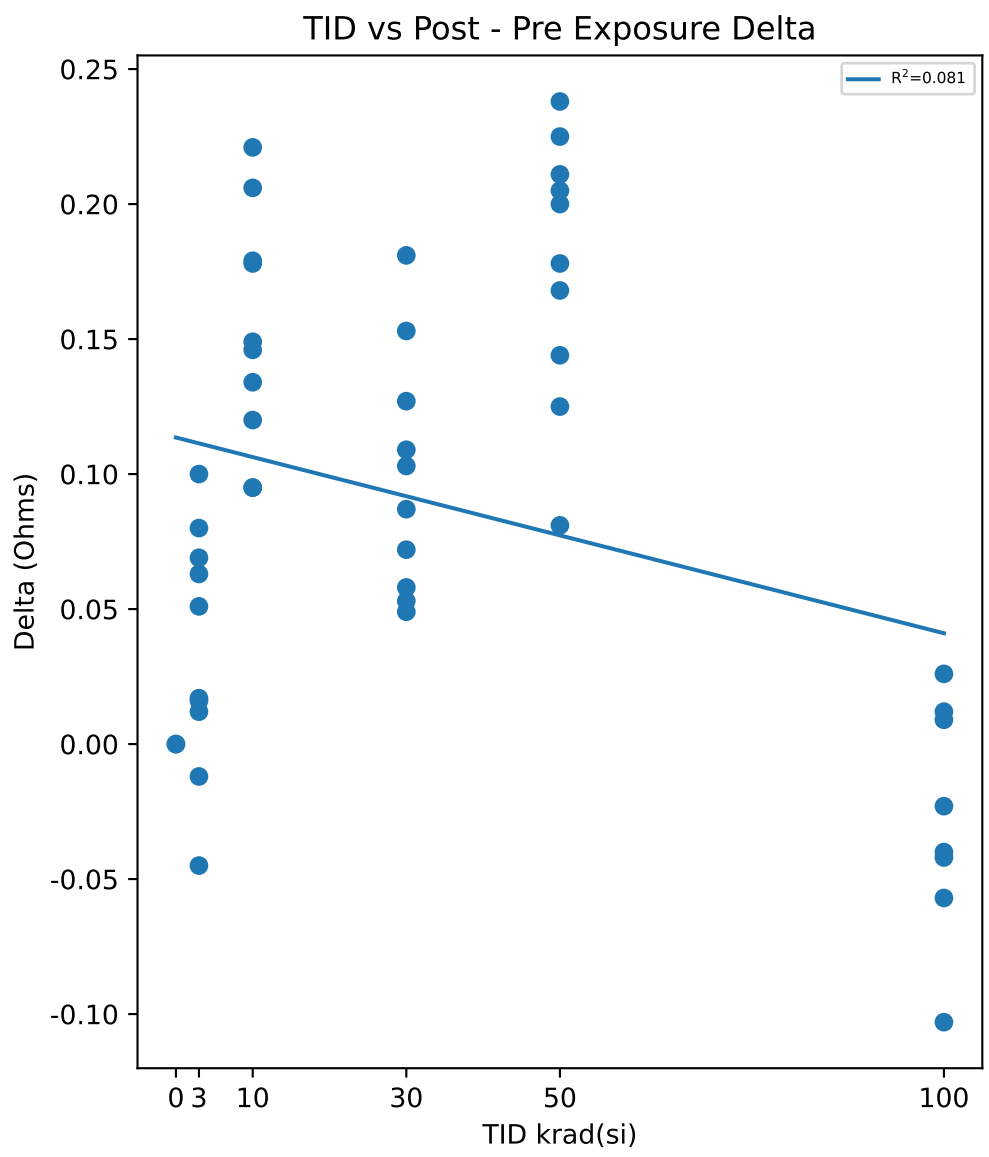
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.628 | 7.633 | 7.638 | 0.0070711 | 7.628 | 7.633 | 7.638 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 7.494 | 7.5434 | 7.592 | 0.035547 | 7.506 | 7.6006 | 7.683 | 0.05 | -0.003 | 0.0572 | 0.122 | 0.043655 |
| 10 | 7.494 | 7.5434 | 7.592 | 0.035547 | 7.638 | 7.725 | 7.788 | 0.045685 | 0.128 | 0.1816 | 0.229 | 0.038607 |
| 30 | 7.494 | 7.5434 | 7.592 | 0.035547 | 7.585 | 7.6504 | 7.712 | 0.040956 | 0.037 | 0.107 | 0.174 | 0.041387 |
| 50 | 7.494 | 7.5434 | 7.592 | 0.035547 | 7.643 | 7.7555 | 7.828 | 0.053037 | 0.137 | 0.2121 | 0.266 | 0.043503 |
| 100 | 7.503 | 7.5459 | 7.588 | 0.029652 | 7.508 | 7.5401 | 7.578 | 0.021357 | -0.03 | -0.00575 | 0.027 | 0.023076 |

# Device Test: 18.14 Res_PU_EN3/EN3/7/3/0/0/2/@EN_RPMOS_HIGH_V




Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

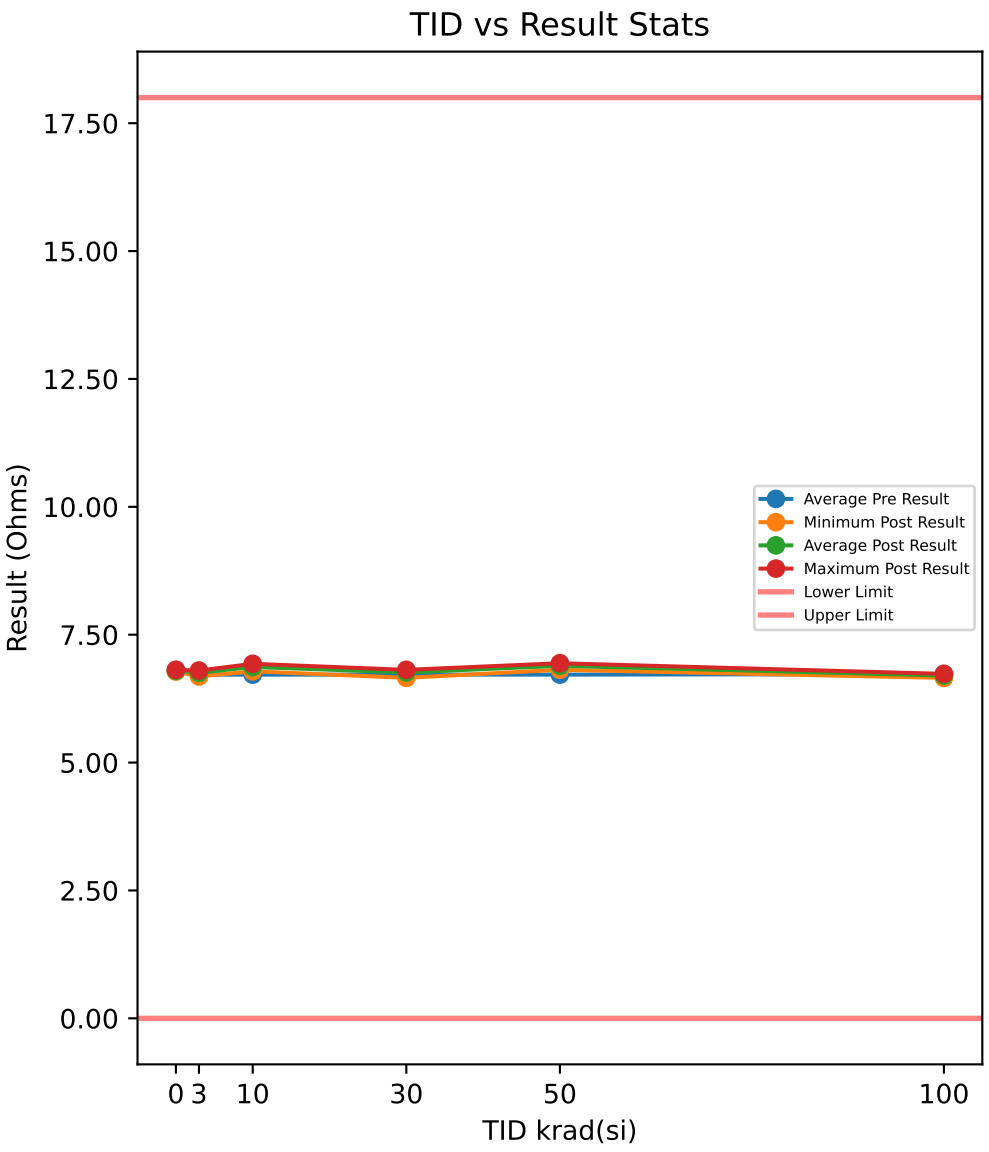
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 7.334 | 7.334 | 0 |
| 7 | 0 | Correlation | 7.325 | 7.325 | 0 |
| 16 | 3 | LDR-Biased | 7.221 | 7.176 | -0.045 |
| 18 | 3 | LDR-Biased | 7.182 | 7.251 | 0.069 |
| 19 | 3 | LDR-Biased | 7.278 | 7.29 | 0.012 |
| 20 | 3 | LDR-Biased | 7.23 | 7.218 | -0.012 |
| 21 | 3 | LDR-Biased | 7.211 | 7.274 | 0.063 |
| 22 | 3 | LDR-Unbiased | 7.242 | 7.258 | 0.016 |
| 23 | 3 | LDR-Unbiased | 7.176 | 7.276 | 0.1 |
| 25 | 3 | LDR-Unbiased | 7.256 | 7.336 | 0.08 |
| 26 | 3 | LDR-Unbiased | 7.245 | 7.296 | 0.051 |
| 27 | 3 | LDR-Unbiased | 7.246 | 7.263 | 0.017 |
| 46 | 10 | LDR-Biased | 7.221 | 7.316 | 0.095 |
| 48 | 10 | LDR-Biased | 7.182 | 7.388 | 0.206 |
| 49 | 10 | LDR-Biased | 7.278 | 7.398 | 0.12 |
| 50 | 10 | LDR-Biased | 7.23 | 7.325 | 0.095 |
| 51 | 10 | LDR-Biased | 7.211 | 7.39 | 0.179 |
| 52 | 10 | LDR-Unbiased | 7.242 | 7.388 | 0.146 |
| 53 | 10 | LDR-Unbiased | 7.176 | 7.397 | 0.221 |
| 55 | 10 | LDR-Unbiased | 7.256 | 7.434 | 0.178 |
| 56 | 10 | LDR-Unbiased | 7.245 | 7.394 | 0.149 |
| 57 | 10 | LDR-Unbiased | 7.246 | 7.38 | 0.134 |
| 76 | 30 | LDR-Biased | 7.221 | 7.274 | 0.053 |
| 78 | 30 | LDR-Biased | 7.182 | 7.363 | 0.181 |
| 79 | 30 | LDR-Biased | 7.278 | 7.365 | 0.087 |
| 80 | 30 | LDR-Biased | 7.23 | 7.279 | 0.049 |
| 81 | 30 | LDR-Biased | 7.211 | 7.32 | 0.109 |
| 82 | 30 | LDR-Unbiased | 7.242 | 7.314 | 0.072 |
| 83 | 30 | LDR-Unbiased | 7.176 | 7.329 | 0.153 |
| 84 | 30 | LDR-Unbiased | 7.246 | 7.304 | 0.058 |
| 85 | 30 | LDR-Unbiased | 7.256 | 7.383 | 0.127 |
| 86 | 30 | LDR-Unbiased | 7.245 | 7.348 | 0.103 |
| 87 | 100 | LDR-Biased | 7.176 | 7.202 | 0.026 |
| 88 | 100 | LDR-Biased | 7.267 | 7.225 | -0.042 |
| 90 | 100 | LDR-Biased | 7.212 | 7.224 | 0.012 |
| 91 | 100 | LDR-Unbiased | 7.246 | 7.223 | -0.023 |
| 93 | 100 | LDR-Unbiased | 7.217 | 7.226 | 0.009 |
| 94 | 100 | LDR-Unbiased | 7.244 | 7.141 | -0.103 |
| 95 | 100 | LDR-Unbiased | 7.265 | 7.225 | -0.04 |
| 96 | 100 | LDR-Unbiased | 7.258 | 7.201 | -0.057 |
| 106 | 50 | LDR-Biased | 7.221 | 7.302 | 0.081 |
| 108 | 50 | LDR-Biased | 7.182 | 7.407 | 0.225 |
| 109 | 50 | LDR-Biased | 7.278 | 7.422 | 0.144 |
| 110 | 50 | LDR-Biased | 7.23 | 7.355 | 0.125 |
| 111 | 50 | LDR-Biased | 7.211 | 7.411 | 0.2 |
| 112 | 50 | LDR-Unbiased | 7.242 | 7.42 | 0.178 |
| 113 | 50 | LDR-Unbiased | 7.176 | 7.414 | 0.238 |
| 115 | 50 | LDR-Unbiased | 7.256 | 7.467 | 0.211 |
| 116 | 50 | LDR-Unbiased | 7.245 | 7.45 | 0.205 |
| 117 | 50 | LDR-Unbiased | 7.246 | 7.414 | 0.168 |

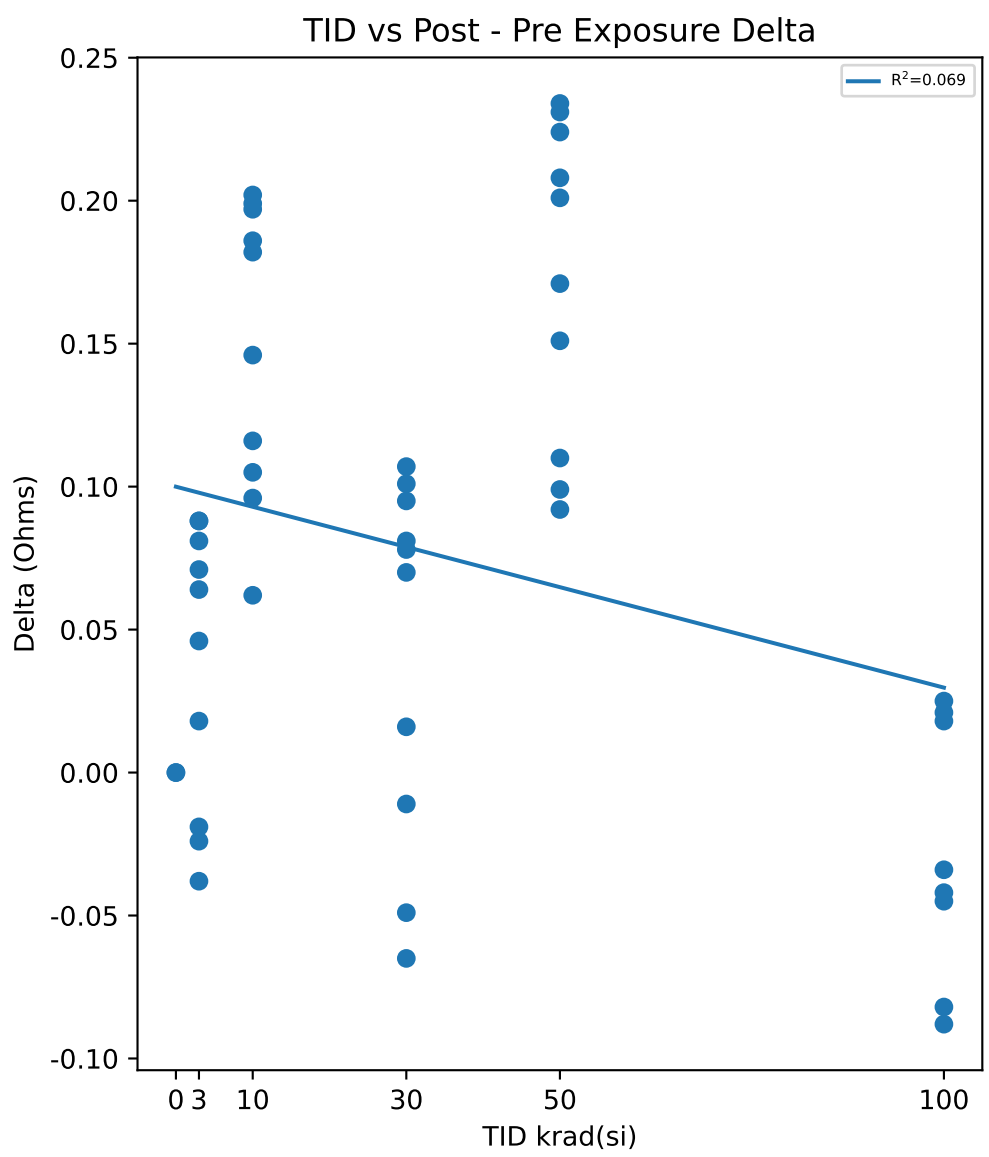



Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.325 | 7.3295 | 7.334 | 0.006364 | 7.325 | 7.3295 | 7.334 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 7.176 | 7.2287 | 7.278 | 0.032059 | 7.176 | 7.2638 | 7.336 | 0.043708 | -0.045 | 0.0351 | 0.1 | 0.045054 |
| 10 | 7.176 | 7.2287 | 7.278 | 0.032059 | 7.316 | 7.381 | 7.434 | 0.035062 | 0.095 | 0.1523 | 0.221 | 0.043426 |
| 30 | 7.176 | 7.2287 | 7.278 | 0.032059 | 7.274 | 7.3279 | 7.383 | 0.036777 | 0.049 | 0.0992 | 0.181 | 0.044359 |
| 50 | 7.176 | 7.2287 | 7.278 | 0.032059 | 7.302 | 7.4062 | 7.467 | 0.046761 | 0.081 | 0.1775 | 0.238 | 0.04897 |
| 100 | 7.176 | 7.2356 | 7.267 | 0.031591 | 7.141 | 7.2084 | 7.226 | 0.029169 | -0.103 | -0.02725 | 0.026 | 0.042614 |

# Device Test: 18.15 Res_PU_EN4/EN4/7/3/0/0/2/@EN_RPMOS_HIGH_V



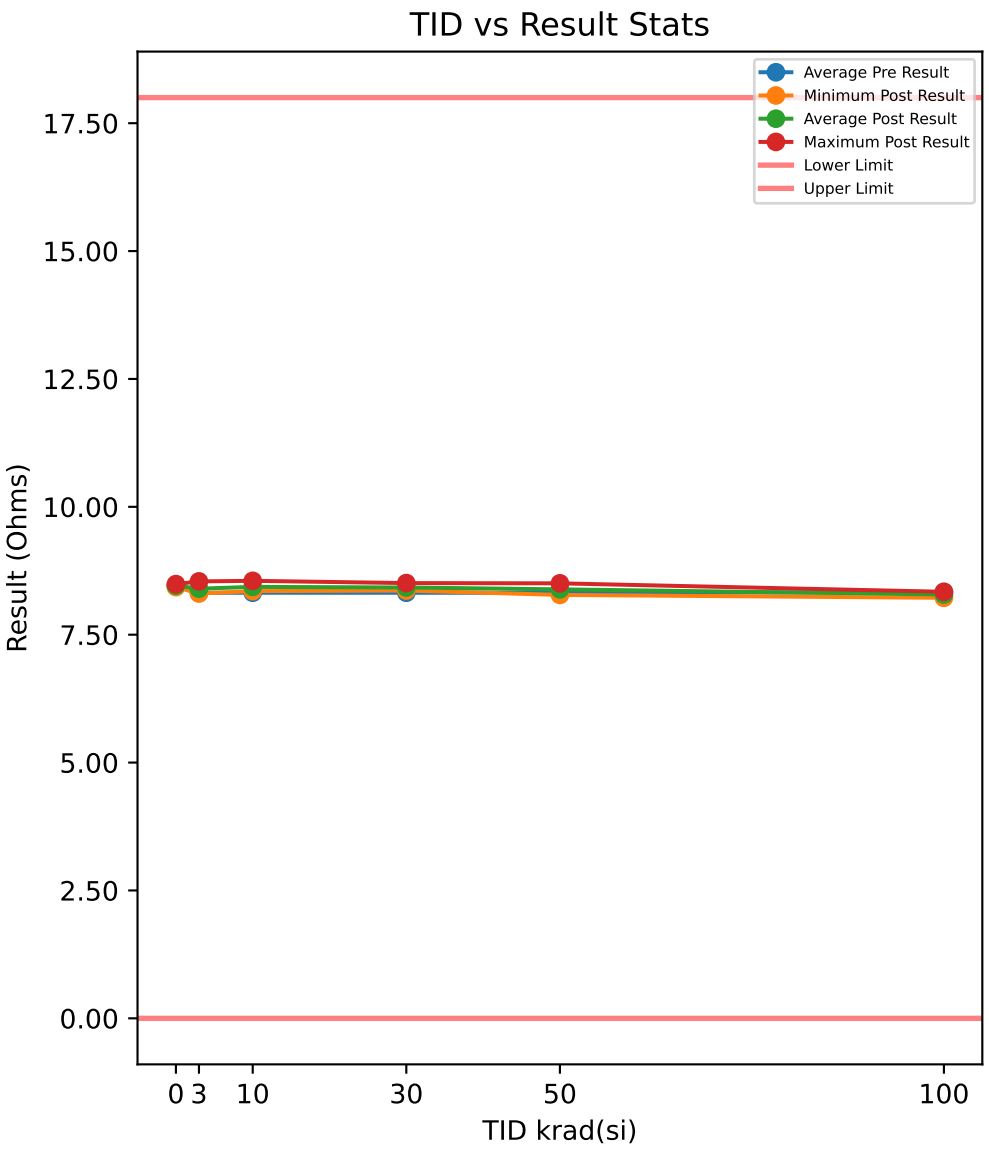

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

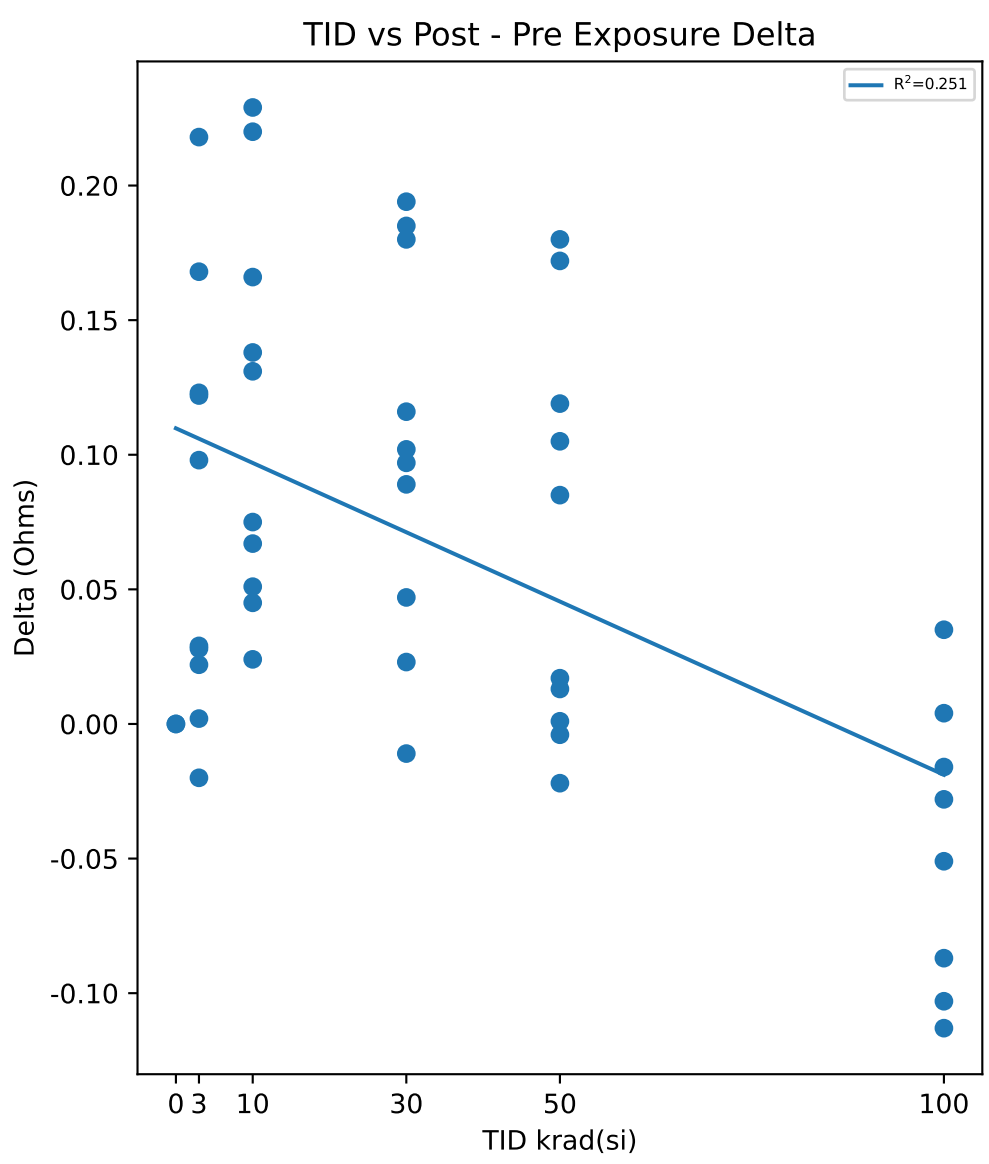
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 6.815 | 6.815 | 0 |
| 7 | 0 | Correlation | 6.779 | 6.779 | 0 |
| 16 | 3 | LDR-Biased | 6.724 | 6.705 | -0.019 |
| 18 | 3 | LDR-Biased | 6.685 | 6.756 | 0.071 |
| 19 | 3 | LDR-Biased | 6.743 | 6.789 | 0.046 |
| 20 | 3 | LDR-Biased | 6.722 | 6.684 | -0.038 |
| 21 | 3 | LDR-Biased | 6.69 | 6.771 | 0.081 |
| 22 | 3 | LDR-Unbiased | 6.762 | 6.738 | -0.024 |
| 23 | 3 | LDR-Unbiased | 6.679 | 6.767 | 0.088 |
| 25 | 3 | LDR-Unbiased | 6.732 | 6.796 | 0.064 |
| 26 | 3 | LDR-Unbiased | 6.711 | 6.799 | 0.088 |
| 27 | 3 | LDR-Unbiased | 6.745 | 6.763 | 0.018 |
| 46 | 10 | LDR-Biased | 6.724 | 6.82 | 0.096 |
| 48 | 10 | LDR-Biased | 6.685 | 6.867 | 0.182 |
| 49 | 10 | LDR-Biased | 6.743 | 6.889 | 0.146 |
| 50 | 10 | LDR-Biased | 6.722 | 6.784 | 0.062 |
| 51 | 10 | LDR-Biased | 6.69 | 6.876 | 0.186 |
| 52 | 10 | LDR-Unbiased | 6.762 | 6.867 | 0.105 |
| 53 | 10 | LDR-Unbiased | 6.679 | 6.881 | 0.202 |
| 55 | 10 | LDR-Unbiased | 6.732 | 6.931 | 0.199 |
| 56 | 10 | LDR-Unbiased | 6.711 | 6.908 | 0.197 |
| 57 | 10 | LDR-Unbiased | 6.745 | 6.861 | 0.116 |
| 76 | 30 | LDR-Biased | 6.724 | 6.74 | 0.016 |
| 78 | 30 | LDR-Biased | 6.685 | 6.786 | 0.101 |
| 79 | 30 | LDR-Biased | 6.743 | 6.813 | 0.07 |
| 80 | 30 | LDR-Biased | 6.722 | 6.657 | -0.065 |
| 81 | 30 | LDR-Biased | 6.69 | 6.768 | 0.078 |
| 82 | 30 | LDR-Unbiased | 6.762 | 6.713 | -0.049 |
| 83 | 30 | LDR-Unbiased | 6.679 | 6.786 | 0.107 |
| 84 | 30 | LDR-Unbiased | 6.745 | 6.734 | -0.011 |
| 85 | 30 | LDR-Unbiased | 6.732 | 6.813 | 0.081 |
| 86 | 30 | LDR-Unbiased | 6.711 | 6.806 | 0.095 |
| 87 | 100 | LDR-Biased | 6.68 | 6.701 | 0.021 |
| 88 | 100 | LDR-Biased | 6.766 | 6.721 | -0.045 |
| 90 | 100 | LDR-Biased | 6.709 | 6.734 | 0.025 |
| 91 | 100 | LDR-Unbiased | 6.751 | 6.709 | -0.042 |
| 93 | 100 | LDR-Unbiased | 6.7 | 6.718 | 0.018 |
| 94 | 100 | LDR-Unbiased | 6.737 | 6.655 | -0.082 |
| 95 | 100 | LDR-Unbiased | 6.731 | 6.697 | -0.034 |
| 96 | 100 | LDR-Unbiased | 6.758 | 6.67 | -0.088 |
| 106 | 50 | LDR-Biased | 6.724 | 6.823 | 0.099 |
| 108 | 50 | LDR-Biased | 6.685 | 6.886 | 0.201 |
| 109 | 50 | LDR-Biased | 6.743 | 6.914 | 0.171 |
| 110 | 50 | LDR-Biased | 6.722 | 6.814 | 0.092 |
| 111 | 50 | LDR-Biased | 6.69 | 6.914 | 0.224 |
| 112 | 50 | LDR-Unbiased | 6.762 | 6.872 | 0.11 |
| 113 | 50 | LDR-Unbiased | 6.679 | 6.913 | 0.234 |
| 115 | 50 | LDR-Unbiased | 6.732 | 6.94 | 0.208 |
| 116 | 50 | LDR-Unbiased | 6.711 | 6.942 | 0.231 |
| 117 | 50 | LDR-Unbiased | 6.745 | 6.896 | 0.151 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 6.779 | 6.797 | 6.815 | 0.025456 | 6.779 | 6.797 | 6.815 | 0.025456 | 0 | 0 | 0 | 0 |
| 3 | 6.679 | 6.7193 | 6.762 | 0.027817 | 6.684 | 6.7568 | 6.799 | 0.038058 | -0.038 | 0.0375 | 0.088 | 0.049379 |
| 10 | 6.679 | 6.7193 | 6.762 | 0.027817 | 6.784 | 6.8684 | 6.931 | 0.041703 | 0.062 | 0.1491 | 0.202 | 0.05108 |
| 30 | 6.679 | 6.7193 | 6.762 | 0.027817 | 6.657 | 6.7616 | 6.813 | 0.050573 | -0.065 | 0.0423 | 0.107 | 0.064403 |
| 50 | 6.679 | 6.7193 | 6.762 | 0.027817 | 6.814 | 6.8914 | 6.942 | 0.044104 | 0.092 | 0.1721 | 0.234 | 0.055957 |
| 100 | 6.68 | 6.729 | 6.766 | 0.030247 | 6.655 | 6.7006 | 6.734 | 0.026549 | -0.088 | -0.028375 | 0.025 | 0.045296 |

# Device Test: 18.16 Res_PU_PWRDG/PWRGD/7/3/0/0/2/@PWRGD_RPMOS_HIGH_V



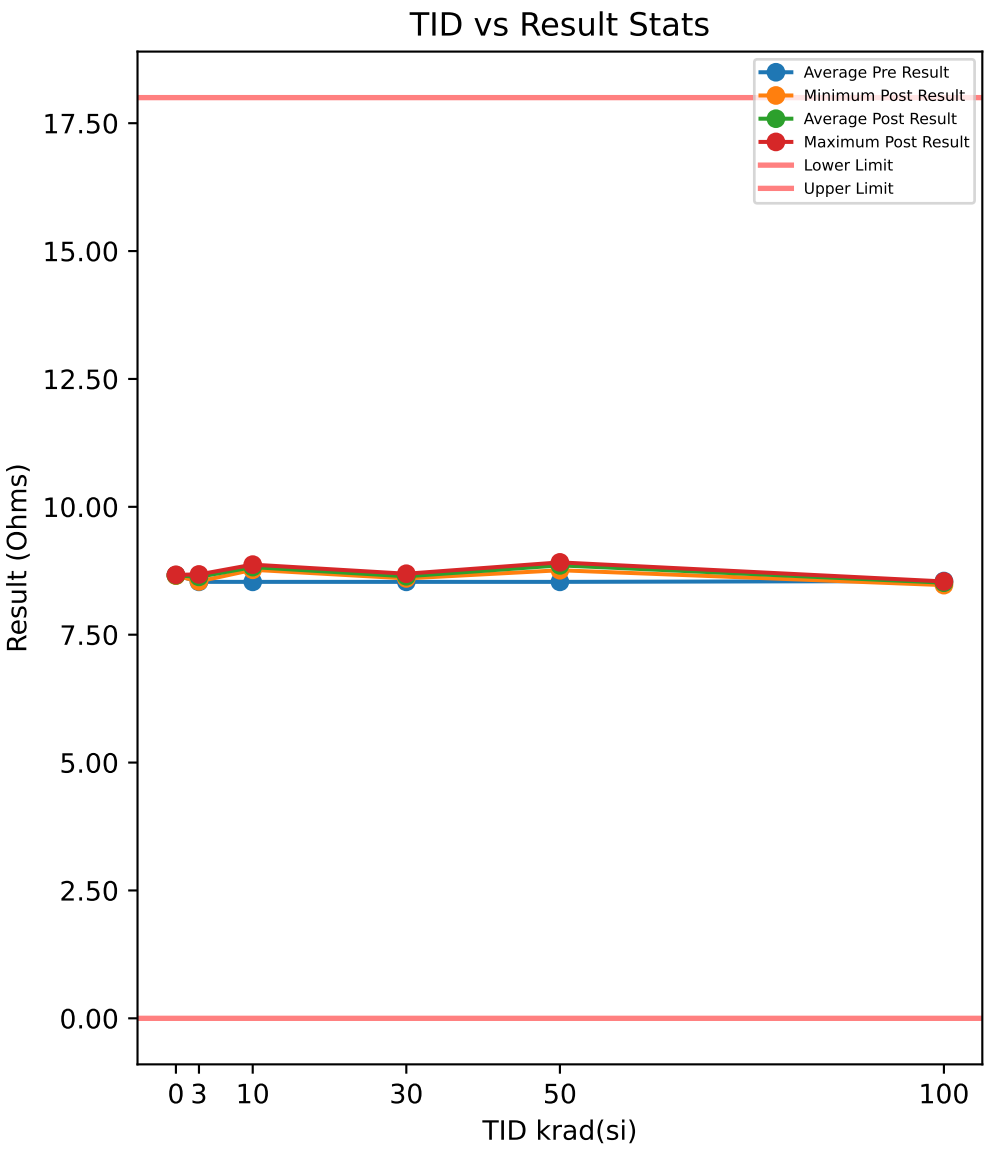

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

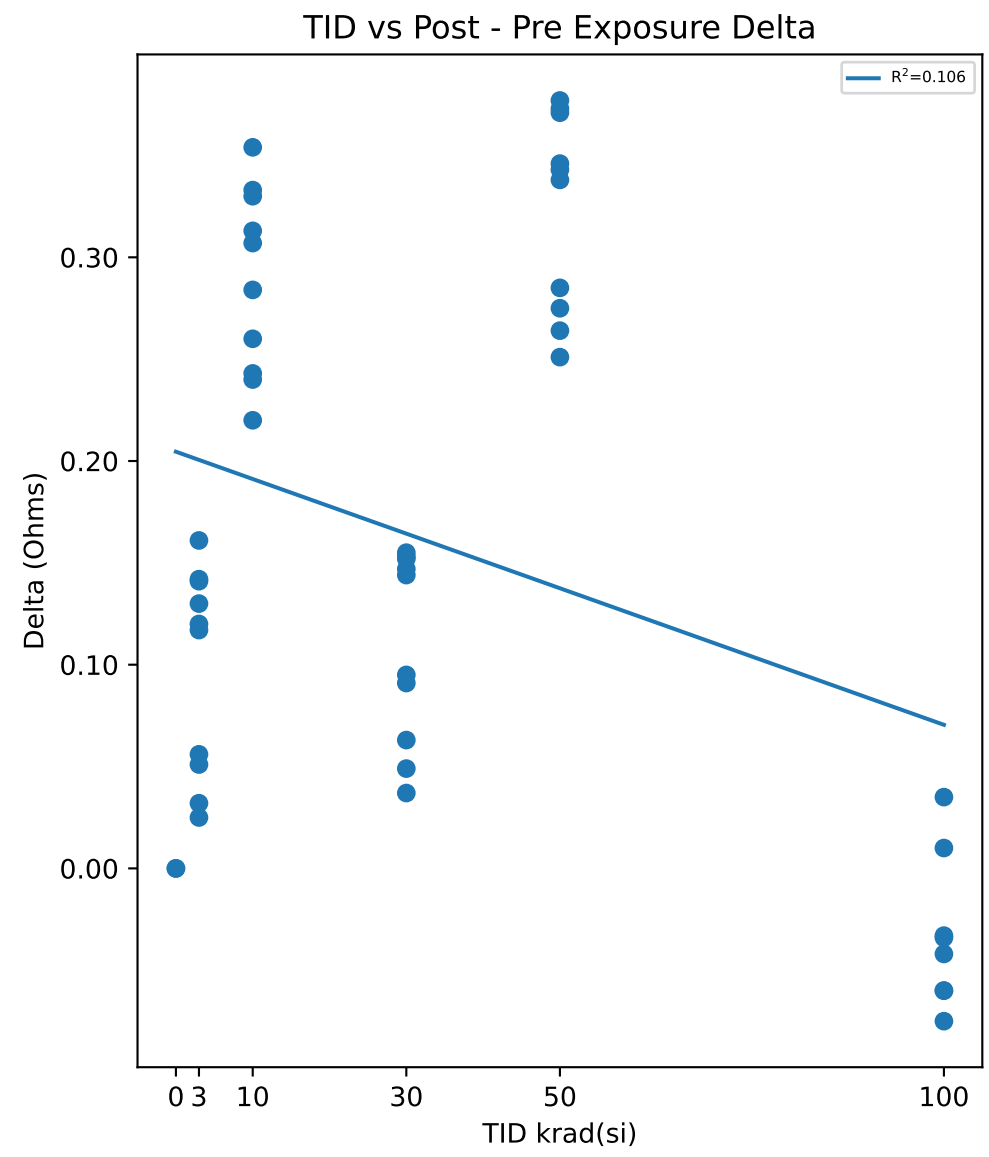
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 8.489 | 8.489 | 0 |
| 7 | 0 | Correlation | 8.431 | 8.431 | 0 |
| 16 | 3 | LDR-Biased | 8.277 | 8.305 | 0.028 |
| 18 | 3 | LDR-Biased | 8.254 | 8.377 | 0.123 |
| 19 | 3 | LDR-Biased | 8.372 | 8.401 | 0.029 |
| 20 | 3 | LDR-Biased | 8.338 | 8.34 | 0.002 |
| 21 | 3 | LDR-Biased | 8.299 | 8.397 | 0.098 |
| 22 | 3 | LDR-Unbiased | 8.374 | 8.354 | -0.02 |
| 23 | 3 | LDR-Unbiased | 8.238 | 8.406 | 0.168 |
| 25 | 3 | LDR-Unbiased | 8.324 | 8.542 | 0.218 |
| 26 | 3 | LDR-Unbiased | 8.326 | 8.448 | 0.122 |
| 27 | 3 | LDR-Unbiased | 8.4 | 8.422 | 0.022 |
| 46 | 10 | LDR-Biased | 8.277 | 8.352 | 0.075 |
| 48 | 10 | LDR-Biased | 8.254 | 8.42 | 0.166 |
| 49 | 10 | LDR-Biased | 8.372 | 8.439 | 0.067 |
| 50 | 10 | LDR-Biased | 8.338 | 8.383 | 0.045 |
| 51 | 10 | LDR-Biased | 8.299 | 8.437 | 0.138 |
| 52 | 10 | LDR-Unbiased | 8.374 | 8.398 | 0.024 |
| 53 | 10 | LDR-Unbiased | 8.238 | 8.458 | 0.22 |
| 55 | 10 | LDR-Unbiased | 8.324 | 8.553 | 0.229 |
| 56 | 10 | LDR-Unbiased | 8.326 | 8.457 | 0.131 |
| 57 | 10 | LDR-Unbiased | 8.4 | 8.451 | 0.051 |
| 76 | 30 | LDR-Biased | 8.277 | 8.366 | 0.089 |
| 78 | 30 | LDR-Biased | 8.254 | 8.434 | 0.18 |
| 79 | 30 | LDR-Biased | 8.372 | 8.469 | 0.097 |
| 80 | 30 | LDR-Biased | 8.338 | 8.385 | 0.047 |
| 81 | 30 | LDR-Biased | 8.299 | 8.401 | 0.102 |
| 82 | 30 | LDR-Unbiased | 8.374 | 8.363 | -0.011 |
| 83 | 30 | LDR-Unbiased | 8.238 | 8.432 | 0.194 |
| 84 | 30 | LDR-Unbiased | 8.4 | 8.423 | 0.023 |
| 85 | 30 | LDR-Unbiased | 8.324 | 8.509 | 0.185 |
| 86 | 30 | LDR-Unbiased | 8.326 | 8.442 | 0.116 |
| 87 | 100 | LDR-Biased | 8.299 | 8.283 | -0.016 |
| 88 | 100 | LDR-Biased | 8.345 | 8.317 | -0.028 |
| 90 | 100 | LDR-Biased | 8.304 | 8.339 | 0.035 |
| 91 | 100 | LDR-Unbiased | 8.368 | 8.281 | -0.087 |
| 93 | 100 | LDR-Unbiased | 8.303 | 8.307 | 0.004 |
| 94 | 100 | LDR-Unbiased | 8.324 | 8.221 | -0.103 |
| 95 | 100 | LDR-Unbiased | 8.328 | 8.277 | -0.051 |
| 96 | 100 | LDR-Unbiased | 8.376 | 8.263 | -0.113 |
| 106 | 50 | LDR-Biased | 8.277 | 8.278 | 0.001 |
| 108 | 50 | LDR-Biased | 8.254 | 8.359 | 0.105 |
| 109 | 50 | LDR-Biased | 8.372 | 8.389 | 0.017 |
| 110 | 50 | LDR-Biased | 8.338 | 8.334 | -0.004 |
| 111 | 50 | LDR-Biased | 8.299 | 8.384 | 0.085 |
| 112 | 50 | LDR-Unbiased | 8.374 | 8.352 | -0.022 |
| 113 | 50 | LDR-Unbiased | 8.238 | 8.41 | 0.172 |
| 115 | 50 | LDR-Unbiased | 8.324 | 8.504 | 0.18 |
| 116 | 50 | LDR-Unbiased | 8.326 | 8.445 | 0.119 |
| 117 | 50 | LDR-Unbiased | 8.4 | 8.413 | 0.013 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 8.431 | 8.46 | 8.489 | 0.041012 | 8.431 | 8.46 | 8.489 | 0.041012 | 0 | 0 | 0 | 0 |
| 3 | 8.238 | 8.3202 | 8.4 | 0.053506 | 8.305 | 8.3992 | 8.542 | 0.065202 | -0.02 | 0.079 | 0.218 | 0.078505 |
| 10 | 8.238 | 8.3202 | 8.4 | 0.053506 | 8.352 | 8.4348 | 8.553 | 0.05416 | 0.024 | 0.1146 | 0.229 | 0.073474 |
| 30 | 8.238 | 8.3202 | 8.4 | 0.053506 | 8.363 | 8.4224 | 8.509 | 0.045763 | -0.011 | 0.1022 | 0.194 | 0.069811 |
| 50 | 8.238 | 8.3202 | 8.4 | 0.053506 | 8.278 | 8.3868 | 8.504 | 0.062334 | -0.022 | 0.0666 | 0.18 | 0.075276 |
| 100 | 8.299 | 8.3309 | 8.376 | 0.029725 | 8.221 | 8.286 | 8.339 | 0.036016 | -0.113 | -0.044875 | 0.035 | 0.053075 |

# Device Test: 18.17 Res_PU_SEQ/SEQ_DONE/7/3/0/0/2/@SEQDONE_RPMOS_HIGH_V




Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

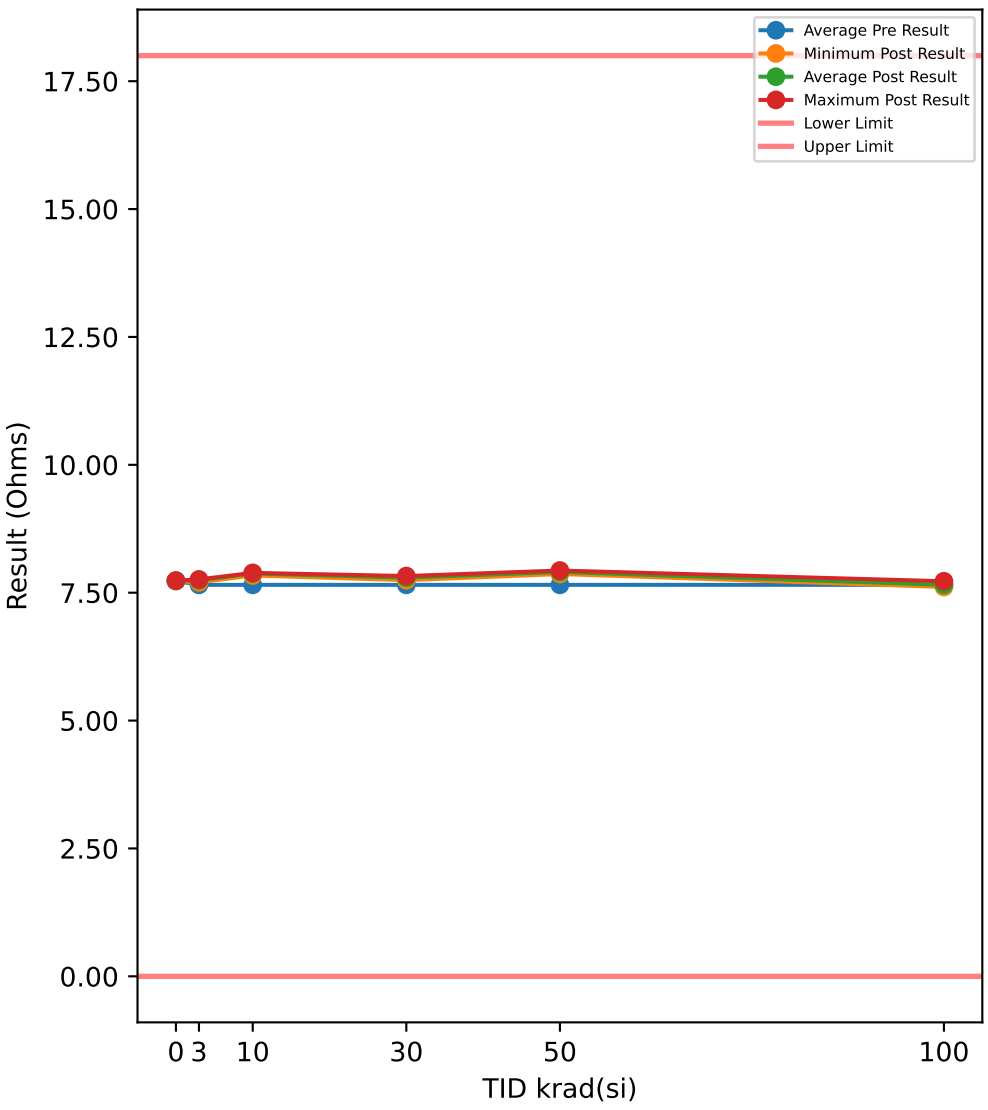
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 8.654 | 8.654 | 0 |
| 7 | 0 | Correlation | 8.671 | 8.671 | 0 |
| 16 | 3 | LDR-Biased | 8.509 | 8.541 | 0.032 |
| 18 | 3 | LDR-Biased | 8.493 | 8.613 | 0.12 |
| 19 | 3 | LDR-Biased | 8.541 | 8.671 | 0.13 |
| 20 | 3 | LDR-Biased | 8.555 | 8.606 | 0.051 |
| 21 | 3 | LDR-Biased | 8.495 | 8.656 | 0.161 |
| 22 | 3 | LDR-Unbiased | 8.569 | 8.594 | 0.025 |
| 23 | 3 | LDR-Unbiased | 8.492 | 8.634 | 0.142 |
| 25 | 3 | LDR-Unbiased | 8.537 | 8.678 | 0.141 |
| 26 | 3 | LDR-Unbiased | 8.549 | 8.666 | 0.117 |
| 27 | 3 | LDR-Unbiased | 8.589 | 8.645 | 0.056 |
| 46 | 10 | LDR-Biased | 8.509 | 8.769 | 0.26 |
| 48 | 10 | LDR-Biased | 8.493 | 8.806 | 0.313 |
| 49 | 10 | LDR-Biased | 8.541 | 8.848 | 0.307 |
| 50 | 10 | LDR-Biased | 8.555 | 8.775 | 0.22 |
| 51 | 10 | LDR-Biased | 8.495 | 8.849 | 0.354 |
| 52 | 10 | LDR-Unbiased | 8.569 | 8.809 | 0.24 |
| 53 | 10 | LDR-Unbiased | 8.492 | 8.822 | 0.33 |
| 55 | 10 | LDR-Unbiased | 8.537 | 8.87 | 0.333 |
| 56 | 10 | LDR-Unbiased | 8.549 | 8.833 | 0.284 |
| 57 | 10 | LDR-Unbiased | 8.589 | 8.832 | 0.243 |
| 76 | 30 | LDR-Biased | 8.509 | 8.6 | 0.091 |
| 78 | 30 | LDR-Biased | 8.493 | 8.646 | 0.153 |
| 79 | 30 | LDR-Biased | 8.541 | 8.685 | 0.144 |
| 80 | 30 | LDR-Biased | 8.555 | 8.618 | 0.063 |
| 81 | 30 | LDR-Biased | 8.495 | 8.642 | 0.147 |
| 82 | 30 | LDR-Unbiased | 8.569 | 8.606 | 0.037 |
| 83 | 30 | LDR-Unbiased | 8.492 | 8.644 | 0.152 |
| 84 | 30 | LDR-Unbiased | 8.589 | 8.638 | 0.049 |
| 85 | 30 | LDR-Unbiased | 8.537 | 8.692 | 0.155 |
| 86 | 30 | LDR-Unbiased | 8.549 | 8.644 | 0.095 |
| 87 | 100 | LDR-Biased | 8.553 | 8.519 | -0.034 |
| 88 | 100 | LDR-Biased | 8.561 | 8.501 | -0.06 |
| 90 | 100 | LDR-Biased | 8.529 | 8.539 | 0.01 |
| 91 | 100 | LDR-Unbiased | 8.551 | 8.518 | -0.033 |
| 93 | 100 | LDR-Unbiased | 8.506 | 8.541 | 0.035 |
| 94 | 100 | LDR-Unbiased | 8.529 | 8.469 | -0.06 |
| 95 | 100 | LDR-Unbiased | 8.586 | 8.511 | -0.075 |
| 96 | 100 | LDR-Unbiased | 8.577 | 8.535 | -0.042 |
| 106 | 50 | LDR-Biased | 8.509 | 8.76 | 0.251 |
| 108 | 50 | LDR-Biased | 8.493 | 8.836 | 0.343 |
| 109 | 50 | LDR-Biased | 8.541 | 8.879 | 0.338 |
| 110 | 50 | LDR-Biased | 8.555 | 8.819 | 0.264 |
| 111 | 50 | LDR-Biased | 8.495 | 8.866 | 0.371 |
| 112 | 50 | LDR-Unbiased | 8.569 | 8.844 | 0.275 |
| 113 | 50 | LDR-Unbiased | 8.492 | 8.865 | 0.373 |
| 115 | 50 | LDR-Unbiased | 8.537 | 8.914 | 0.377 |
| 116 | 50 | LDR-Unbiased | 8.549 | 8.895 | 0.346 |
| 117 | 50 | LDR-Unbiased | 8.589 | 8.874 | 0.285 |

## Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 8.654 | 8.6625 | 8.671 | 0.012021 | 8.654 | 8.6625 | 8.671 | 0.012021 | 0 | 0 | 0 | 0 |
| 3 | 8.492 | 8.5329 | 8.589 | 0.034242 | 8.541 | 8.6304 | 8.678 | 0.042529 | 0.025 | 0.0975 | 0.161 | 0.050858 |
| 10 | 8.492 | 8.5329 | 8.589 | 0.034242 | 8.769 | 8.8213 | 8.87 | 0.032263 | 0.22 | 0.2884 | 0.354 | 0.045804 |
| 30 | 8.492 | 8.5329 | 8.589 | 0.034242 | 8.6 | 8.6415 | 8.692 | 0.029856 | 0.037 | 0.1086 | 0.155 | 0.047127 |
| 50 | 8.492 | 8.5329 | 8.589 | 0.034242 | 8.76 | 8.8552 | 8.914 | 0.043514 | 0.251 | 0.3223 | 0.377 | 0.048628 |
| 100 | 8.506 | 8.549 | 8.586 | 0.026635 | 8.469 | 8.5166 | 8.541 | 0.023856 | -0.075 | -0.032375 | 0.035 | 0.037367 |

# Device Test: 18.18 Res_PU_EN1/EN1/7/14/0/0/2/@EN_RPMOS_HIGH_V

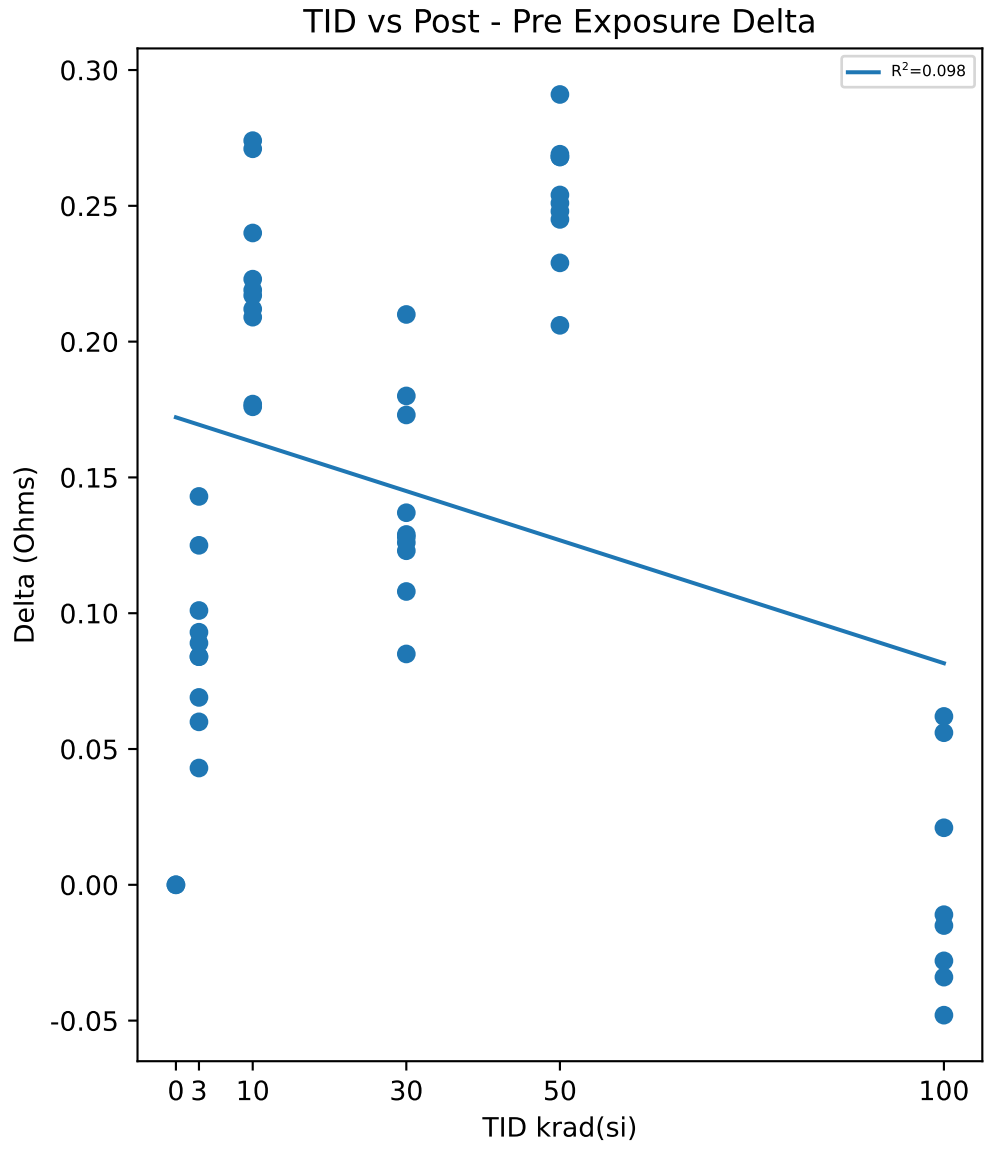
## TID vs Result Stats




## Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 7.727 | 7.727 | 0 |
| 7 | 0 | Correlation | 7.737 | 7.737 | 0 |
| 16 | 3 | LDR-Biased | 7.613 | 7.738 | 0.125 |
| 18 | 3 | LDR-Biased | 7.644 | 7.745 | 0.101 |
| 19 | 3 | LDR-Biased | 7.698 | 7.758 | 0.06 |
| 20 | 3 | LDR-Biased | 7.649 | 7.733 | 0.084 |
| 21 | 3 | LDR-Biased | 7.605 | 7.748 | 0.143 |
| 22 | 3 | LDR-Unbiased | 7.659 | 7.702 | 0.043 |
| 23 | 3 | LDR-Unbiased | 7.655 | 7.748 | 0.093 |
| 25 | 3 | LDR-Unbiased | 7.668 | 7.737 | 0.069 |
| 26 | 3 | LDR-Unbiased | 7.676 | 7.76 | 0.084 |
| 27 | 3 | LDR-Unbiased | 7.666 | 7.755 | 0.089 |
| 46 | 10 | LDR-Biased | 7.613 | 7.884 | 0.271 |
| 48 | 10 | LDR-Biased | 7.644 | 7.884 | 0.24 |
| 49 | 10 | LDR-Biased | 7.698 | 7.874 | 0.176 |
| 50 | 10 | LDR-Biased | 7.649 | 7.872 | 0.223 |
| 51 | 10 | LDR-Biased | 7.605 | 7.879 | 0.274 |
| 52 | 10 | LDR-Unbiased | 7.659 | 7.836 | 0.177 |
| 53 | 10 | LDR-Unbiased | 7.655 | 7.864 | 0.209 |
| 55 | 10 | LDR-Unbiased | 7.668 | 7.885 | 0.217 |
| 56 | 10 | LDR-Unbiased | 7.676 | 7.888 | 0.212 |
| 57 | 10 | LDR-Unbiased | 7.666 | 7.885 | 0.219 |
| 76 | 30 | LDR-Biased | 7.613 | 7.823 | 0.21 |
| 78 | 30 | LDR-Biased | 7.644 | 7.824 | 0.18 |
| 79 | 30 | LDR-Biased | 7.698 | 7.826 | 0.128 |
| 80 | 30 | LDR-Biased | 7.649 | 7.786 | 0.137 |
| 81 | 30 | LDR-Biased | 7.605 | 7.778 | 0.173 |
| 82 | 30 | LDR-Unbiased | 7.659 | 7.744 | 0.085 |
| 83 | 30 | LDR-Unbiased | 7.655 | 7.778 | 0.123 |
| 84 | 30 | LDR-Unbiased | 7.666 | 7.795 | 0.129 |
| 85 | 30 | LDR-Unbiased | 7.668 | 7.776 | 0.108 |
| 86 | 30 | LDR-Unbiased | 7.676 | 7.802 | 0.126 |
| 87 | 100 | LDR-Biased | 7.622 | 7.611 | -0.011 |
| 88 | 100 | LDR-Biased | 7.666 | 7.638 | -0.028 |
| 90 | 100 | LDR-Biased | 7.663 | 7.629 | -0.034 |
| 91 | 100 | LDR-Unbiased | 7.663 | 7.648 | -0.015 |
| 93 | 100 | LDR-Unbiased | 7.6 | 7.662 | 0.062 |
| 94 | 100 | LDR-Unbiased | 7.637 | 7.658 | 0.021 |
| 95 | 100 | LDR-Unbiased | 7.708 | 7.66 | -0.048 |
| 96 | 100 | LDR-Unbiased | 7.668 | 7.724 | 0.056 |
| 106 | 50 | LDR-Biased | 7.613 | 7.881 | 0.268 |
| 108 | 50 | LDR-Biased | 7.644 | 7.913 | 0.269 |
| 109 | 50 | LDR-Biased | 7.698 | 7.927 | 0.229 |
| 110 | 50 | LDR-Biased | 7.649 | 7.9 | 0.251 |
| 111 | 50 | LDR-Biased | 7.605 | 7.896 | 0.291 |
| 112 | 50 | LDR-Unbiased | 7.659 | 7.865 | 0.206 |
| 113 | 50 | LDR-Unbiased | 7.655 | 7.9 | 0.245 |
| 115 | 50 | LDR-Unbiased | 7.668 | 7.916 | 0.248 |
| 116 | 50 | LDR-Unbiased | 7.676 | 7.93 | 0.254 |
| 117 | 50 | LDR-Unbiased | 7.666 | 7.934 | 0.268 |

## TID vs Post - Pre Exposure Delta

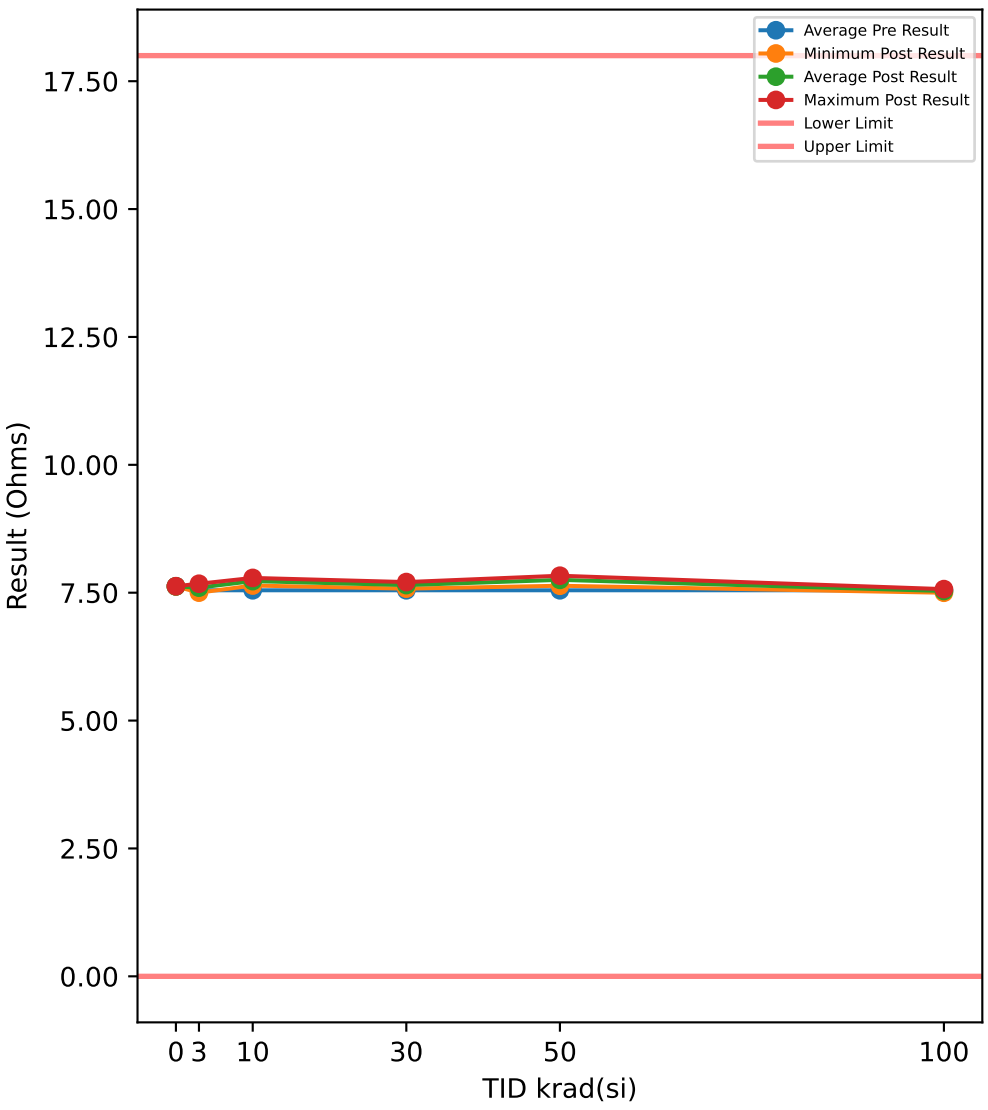



## Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.727 | 7.732 | 7.737 | 0.0070711 | 7.727 | 7.732 | 7.737 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 7.605 | 7.6533 | 7.698 | 0.027865 | 7.702 | 7.7424 | 7.76 | 0.016834 | 0.043 | 0.0891 | 0.143 | 0.029399 |
| 10 | 7.605 | 7.6533 | 7.698 | 0.027865 | 7.836 | 7.8751 | 7.888 | 0.015631 | 0.176 | 0.2218 | 0.274 | 0.033122 |
| 30 | 7.605 | 7.6533 | 7.698 | 0.027865 | 7.744 | 7.7932 | 7.826 | 0.026297 | 0.085 | 0.1399 | 0.21 | 0.037114 |
| 50 | 7.605 | 7.6533 | 7.698 | 0.027865 | 7.865 | 7.9062 | 7.934 | 0.02218 | 0.206 | 0.2529 | 0.291 | 0.023638 |
| 100 | 7.6 | 7.6534 | 7.708 | 0.033045 | 7.611 | 7.6537 | 7.724 | 0.033341 | -0.048 | 0.000375 | 0.062 | 0.041421 |

# Device Test: 18.19 Res_PU_EN2/EN2/7/14/0/0/2/@EN_RPMOS_HIGH_V

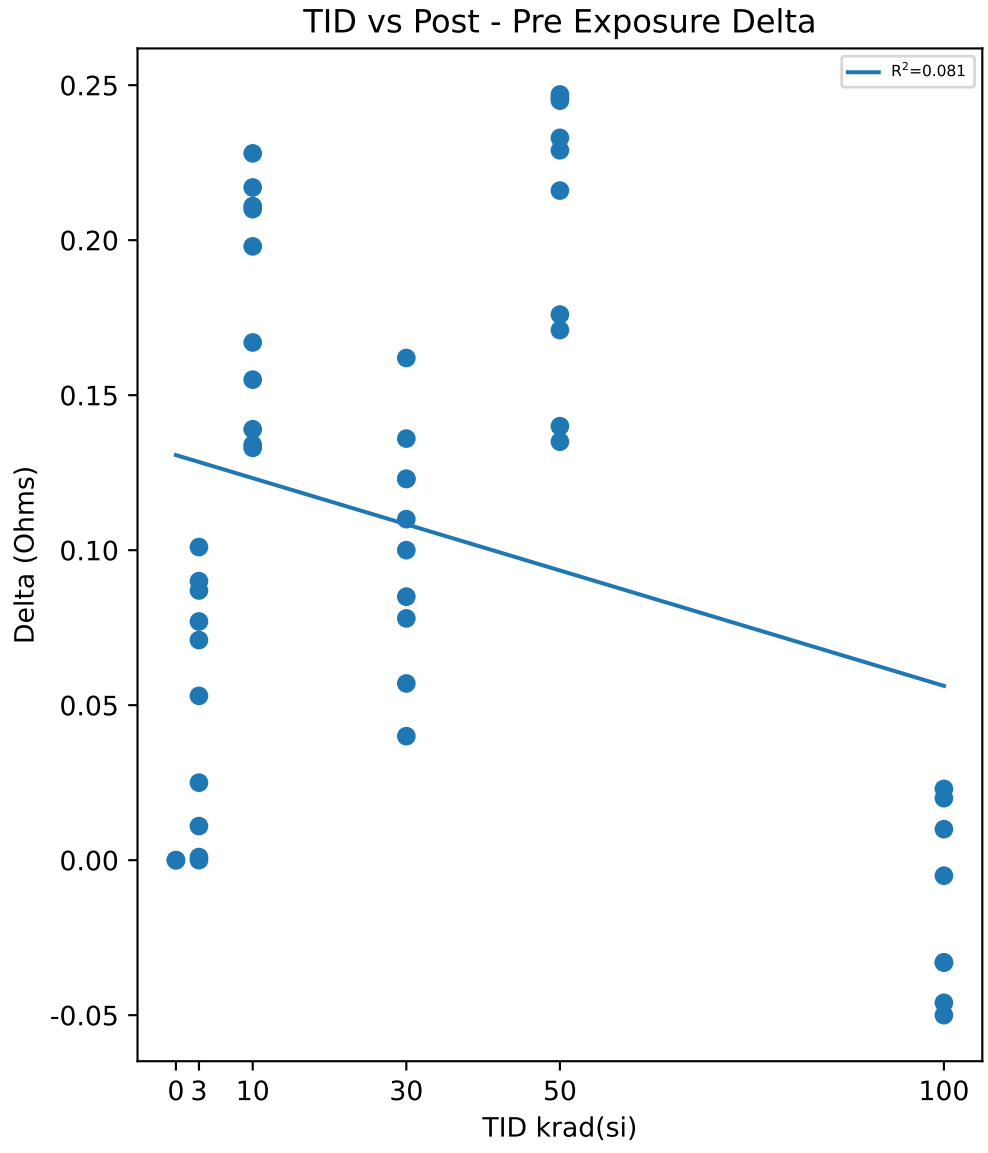
## TID vs Result Stats




## Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 7.623 | 7.623 | 0 |
| 7 | 0 | Correlation | 7.627 | 7.627 | 0 |
| 16 | 3 | LDR-Biased | 7.501 | 7.501 | 0 |
| 18 | 3 | LDR-Biased | 7.507 | 7.584 | 0.077 |
| 19 | 3 | LDR-Biased | 7.588 | 7.613 | 0.025 |
| 20 | 3 | LDR-Biased | 7.548 | 7.549 | 0.001 |
| 21 | 3 | LDR-Biased | 7.518 | 7.605 | 0.087 |
| 22 | 3 | LDR-Unbiased | 7.582 | 7.593 | 0.011 |
| 23 | 3 | LDR-Unbiased | 7.504 | 7.605 | 0.101 |
| 25 | 3 | LDR-Unbiased | 7.579 | 7.65 | 0.071 |
| 26 | 3 | LDR-Unbiased | 7.585 | 7.675 | 0.09 |
| 27 | 3 | LDR-Unbiased | 7.56 | 7.613 | 0.053 |
| 46 | 10 | LDR-Biased | 7.501 | 7.64 | 0.139 |
| 48 | 10 | LDR-Biased | 7.507 | 7.718 | 0.211 |
| 49 | 10 | LDR-Biased | 7.588 | 7.743 | 0.155 |
| 50 | 10 | LDR-Biased | 7.548 | 7.681 | 0.133 |
| 51 | 10 | LDR-Biased | 7.518 | 7.735 | 0.217 |
| 52 | 10 | LDR-Unbiased | 7.582 | 7.716 | 0.134 |
| 53 | 10 | LDR-Unbiased | 7.504 | 7.732 | 0.228 |
| 55 | 10 | LDR-Unbiased | 7.579 | 7.789 | 0.21 |
| 56 | 10 | LDR-Unbiased | 7.585 | 7.783 | 0.198 |
| 57 | 10 | LDR-Unbiased | 7.56 | 7.727 | 0.167 |
| 76 | 30 | LDR-Biased | 7.501 | 7.579 | 0.078 |
| 78 | 30 | LDR-Biased | 7.507 | 7.669 | 0.162 |
| 79 | 30 | LDR-Biased | 7.588 | 7.688 | 0.1 |
| 80 | 30 | LDR-Biased | 7.548 | 7.605 | 0.057 |
| 81 | 30 | LDR-Biased | 7.518 | 7.628 | 0.11 |
| 82 | 30 | LDR-Unbiased | 7.582 | 7.622 | 0.04 |
| 83 | 30 | LDR-Unbiased | 7.504 | 7.64 | 0.136 |
| 84 | 30 | LDR-Unbiased | 7.56 | 7.645 | 0.085 |
| 85 | 30 | LDR-Unbiased | 7.579 | 7.702 | 0.123 |
| 86 | 30 | LDR-Unbiased | 7.585 | 7.708 | 0.123 |
| 87 | 100 | LDR-Biased | 7.501 | 7.511 | 0.01 |
| 88 | 100 | LDR-Biased | 7.555 | 7.522 | -0.033 |
| 90 | 100 | LDR-Biased | 7.526 | 7.549 | 0.023 |
| 91 | 100 | LDR-Unbiased | 7.568 | 7.518 | -0.05 |
| 93 | 100 | LDR-Unbiased | 7.521 | 7.541 | 0.02 |
| 94 | 100 | LDR-Unbiased | 7.545 | 7.499 | -0.046 |
| 95 | 100 | LDR-Unbiased | 7.588 | 7.555 | -0.033 |
| 96 | 100 | LDR-Unbiased | 7.575 | 7.57 | -0.005 |
| 106 | 50 | LDR-Biased | 7.501 | 7.636 | 0.135 |
| 108 | 50 | LDR-Biased | 7.507 | 7.736 | 0.229 |
| 109 | 50 | LDR-Biased | 7.588 | 7.764 | 0.176 |
| 110 | 50 | LDR-Biased | 7.548 | 7.688 | 0.14 |
| 111 | 50 | LDR-Biased | 7.518 | 7.764 | 0.246 |
| 112 | 50 | LDR-Unbiased | 7.582 | 7.753 | 0.171 |
| 113 | 50 | LDR-Unbiased | 7.504 | 7.749 | 0.245 |
| 115 | 50 | LDR-Unbiased | 7.579 | 7.812 | 0.233 |
| 116 | 50 | LDR-Unbiased | 7.585 | 7.832 | 0.247 |
| 117 | 50 | LDR-Unbiased | 7.56 | 7.776 | 0.216 |

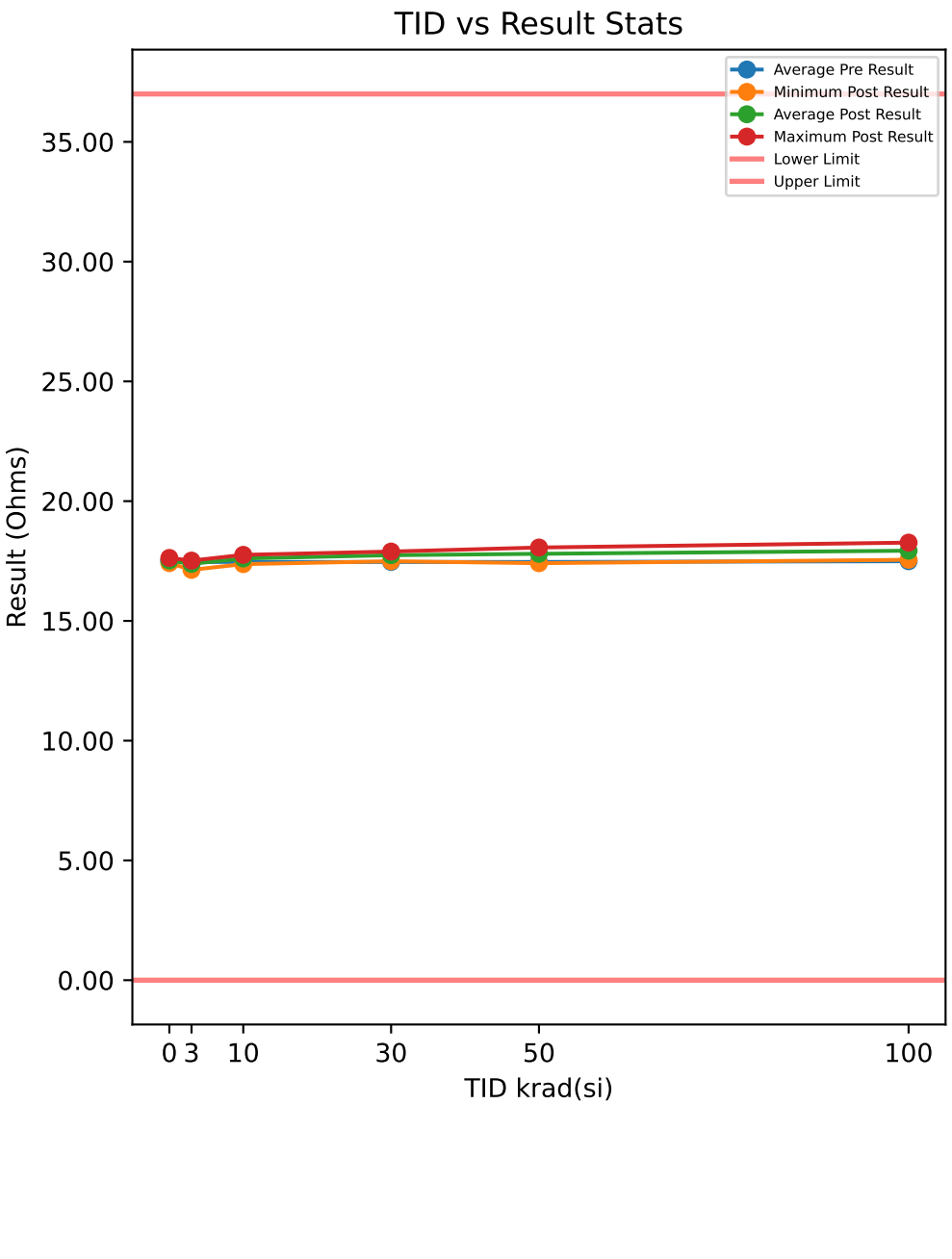
## TID vs Post - Pre Exposure Delta

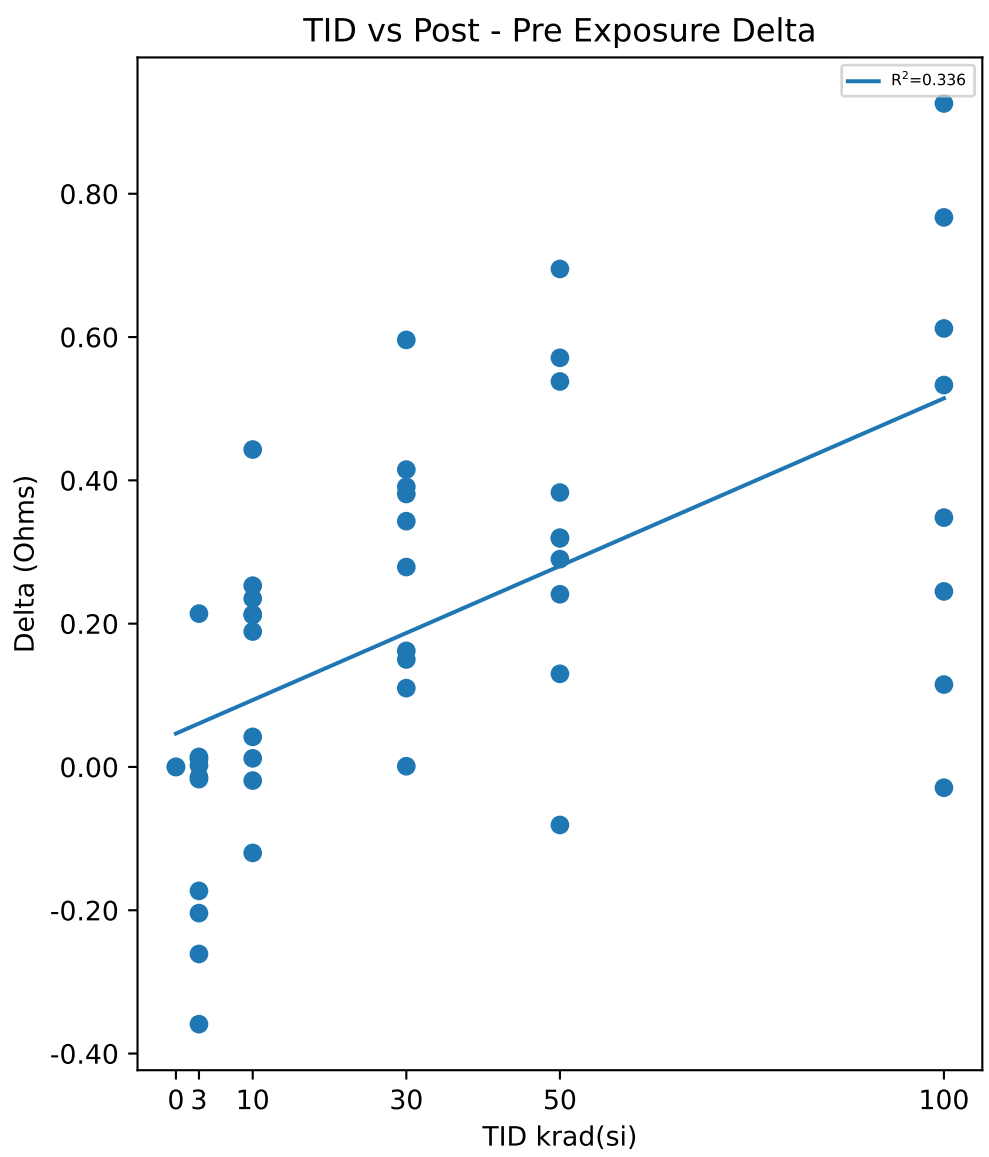



## Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.623 | 7.625 | 7.627 | 0.0028284 | 7.623 | 7.625 | 7.627 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 7.501 | 7.5472 | 7.588 | 0.036438 | 7.501 | 7.5988 | 7.675 | 0.04854 | 0 | 0.0516 | 0.101 | 0.039116 |
| 10 | 7.501 | 7.5472 | 7.588 | 0.036438 | 7.64 | 7.7264 | 7.789 | 0.043727 | 0.133 | 0.1792 | 0.228 | 0.037493 |
| 30 | 7.501 | 7.5472 | 7.588 | 0.036438 | 7.579 | 7.6486 | 7.708 | 0.042573 | 0.04 | 0.1014 | 0.162 | 0.037173 |
| 50 | 7.501 | 7.5472 | 7.588 | 0.036438 | 7.636 | 7.751 | 7.832 | 0.056443 | 0.135 | 0.2038 | 0.247 | 0.044264 |
| 100 | 7.501 | 7.5474 | 7.588 | 0.029775 | 7.499 | 7.5331 | 7.57 | 0.024375 | -0.05 | -0.01425 | 0.023 | 0.029817 |

# Device Test: 18.2 Res_PU_EN3/EN3/1.6/3/0/0/2/@EN_RPMOS_LOW_V



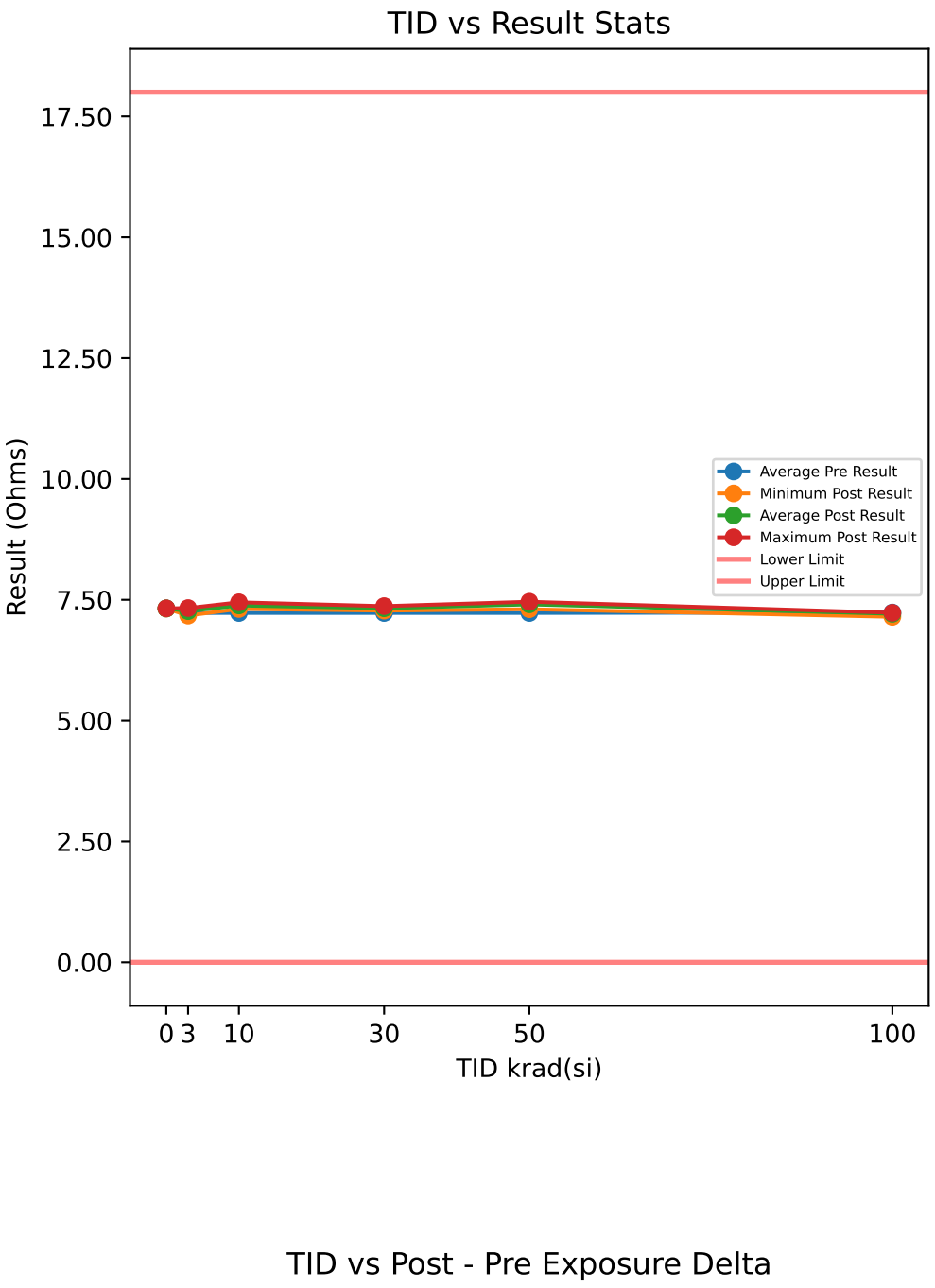

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

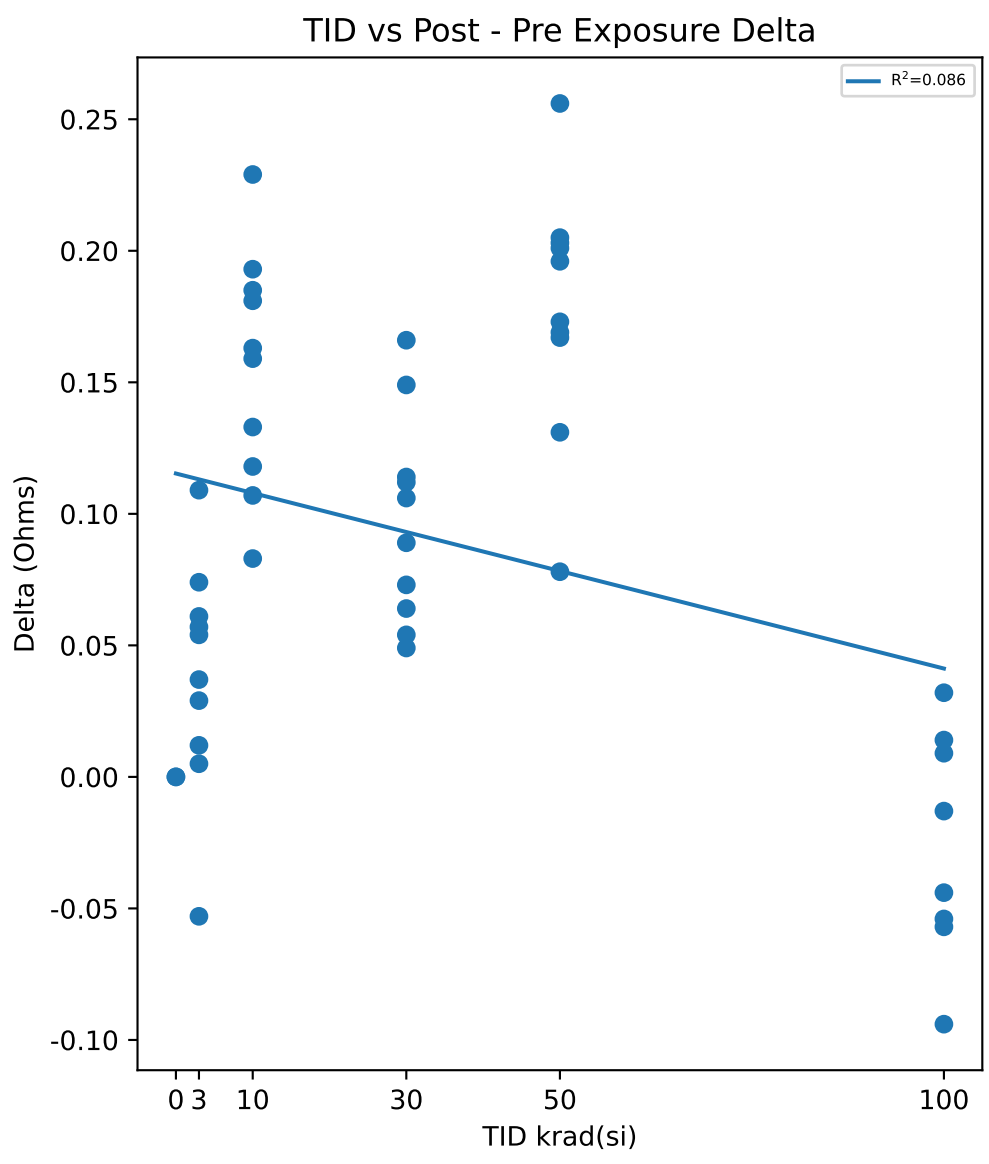
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 17.629 | 17.629 | 0 |
| 7 | 0 | Correlation | 17.413 | 17.413 | 0 |
| 16 | 3 | LDR-Biased | 17.49 | 17.131 | -0.359 |
| 18 | 3 | LDR-Biased | 17.41 | 17.421 | 0.011 |
| 19 | 3 | LDR-Biased | 17.425 | 17.408 | -0.017 |
| 20 | 3 | LDR-Biased | 17.431 | 17.227 | -0.204 |
| 21 | 3 | LDR-Biased | 17.414 | 17.4 | -0.014 |
| 22 | 3 | LDR-Unbiased | 17.649 | 17.388 | -0.261 |
| 23 | 3 | LDR-Unbiased | 17.248 | 17.462 | 0.214 |
| 25 | 3 | LDR-Unbiased | 17.504 | 17.518 | 0.014 |
| 26 | 3 | LDR-Unbiased | 17.493 | 17.495 | 0.002 |
| 27 | 3 | LDR-Unbiased | 17.541 | 17.368 | -0.173 |
| 46 | 10 | LDR-Biased | 17.49 | 17.37 | -0.12 |
| 48 | 10 | LDR-Biased | 17.41 | 17.645 | 0.235 |
| 49 | 10 | LDR-Biased | 17.425 | 17.614 | 0.189 |
| 50 | 10 | LDR-Biased | 17.431 | 17.443 | 0.012 |
| 51 | 10 | LDR-Biased | 17.414 | 17.626 | 0.212 |
| 52 | 10 | LDR-Unbiased | 17.649 | 17.63 | -0.019 |
| 53 | 10 | LDR-Unbiased | 17.248 | 17.691 | 0.443 |
| 55 | 10 | LDR-Unbiased | 17.504 | 17.757 | 0.253 |
| 56 | 10 | LDR-Unbiased | 17.493 | 17.706 | 0.213 |
| 57 | 10 | LDR-Unbiased | 17.541 | 17.583 | 0.042 |
| 76 | 30 | LDR-Biased | 17.49 | 17.491 | 0.001 |
| 78 | 30 | LDR-Biased | 17.41 | 17.825 | 0.415 |
| 79 | 30 | LDR-Biased | 17.425 | 17.768 | 0.343 |
| 80 | 30 | LDR-Biased | 17.431 | 17.581 | 0.15 |
| 81 | 30 | LDR-Biased | 17.414 | 17.693 | 0.279 |
| 82 | 30 | LDR-Unbiased | 17.649 | 17.759 | 0.11 |
| 83 | 30 | LDR-Unbiased | 17.248 | 17.844 | 0.596 |
| 84 | 30 | LDR-Unbiased | 17.541 | 17.703 | 0.162 |
| 85 | 30 | LDR-Unbiased | 17.504 | 17.895 | 0.391 |
| 86 | 30 | LDR-Unbiased | 17.493 | 17.874 | 0.381 |
| 87 | 100 | LDR-Biased | 17.342 | 18.268 | 0.926 |
| 88 | 100 | LDR-Biased | 17.581 | 17.552 | -0.029 |
| 90 | 100 | LDR-Biased | 17.45 | 17.565 | 0.115 |
| 91 | 100 | LDR-Unbiased | 17.632 | 18.244 | 0.612 |
| 93 | 100 | LDR-Unbiased | 17.424 | 18.191 | 0.767 |
| 94 | 100 | LDR-Unbiased | 17.532 | 17.777 | 0.245 |
| 95 | 100 | LDR-Unbiased | 17.42 | 17.953 | 0.533 |
| 96 | 100 | LDR-Unbiased | 17.546 | 17.894 | 0.348 |
| 106 | 50 | LDR-Biased | 17.49 | 17.409 | -0.081 |
| 108 | 50 | LDR-Biased | 17.41 | 17.793 | 0.383 |
| 109 | 50 | LDR-Biased | 17.425 | 17.744 | 0.319 |
| 110 | 50 | LDR-Biased | 17.431 | 17.561 | 0.13 |
| 111 | 50 | LDR-Biased | 17.414 | 17.734 | 0.32 |
| 112 | 50 | LDR-Unbiased | 17.649 | 17.89 | 0.241 |
| 113 | 50 | LDR-Unbiased | 17.248 | 17.943 | 0.695 |
| 115 | 50 | LDR-Unbiased | 17.504 | 18.042 | 0.538 |
| 116 | 50 | LDR-Unbiased | 17.493 | 18.064 | 0.571 |
| 117 | 50 | LDR-Unbiased | 17.541 | 17.831 | 0.29 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.413 | 17.521 | 17.629 | 0.15274 | 17.413 | 17.521 | 17.629 | 0.15274 | 0 | 0 | 0 | 0 |
| 3 | 17.248 | 17.461 | 17.649 | 0.10426 | 17.131 | 17.382 | 17.518 | 0.119 | -0.359 | -0.0787 | 0.214 | 0.16773 |
| 10 | 17.248 | 17.461 | 17.649 | 0.10426 | 17.37 | 17.607 | 17.757 | 0.11803 | -0.12 | 0.146 | 0.443 | 0.165 |
| 30 | 17.248 | 17.461 | 17.649 | 0.10426 | 17.491 | 17.743 | 17.895 | 0.12992 | 0.001 | 0.2828 | 0.596 | 0.17703 |
| 50 | 17.248 | 17.461 | 17.649 | 0.10426 | 17.409 | 17.801 | 18.064 | 0.20421 | -0.081 | 0.3406 | 0.695 | 0.22483 |
| 100 | 17.342 | 17.491 | 17.632 | 0.097174 | 17.552 | 17.93 | 18.268 | 0.28842 | -0.029 | 0.43962 | 0.926 | 0.32807 |

# Device Test: 18.20 Res_PU_EN3/EN3/7/14/0/0/2/@EN_RPMOS_HIGH_V



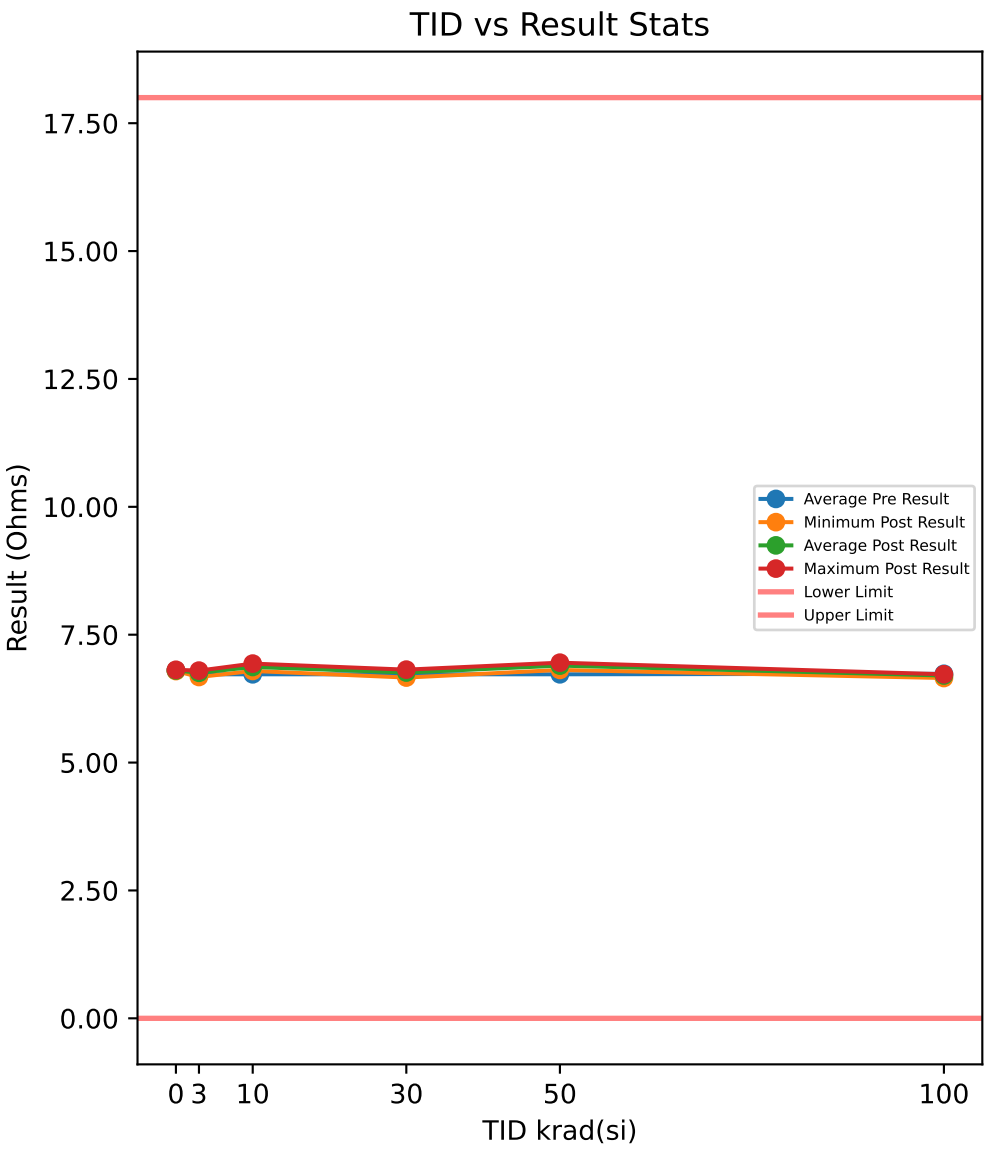

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

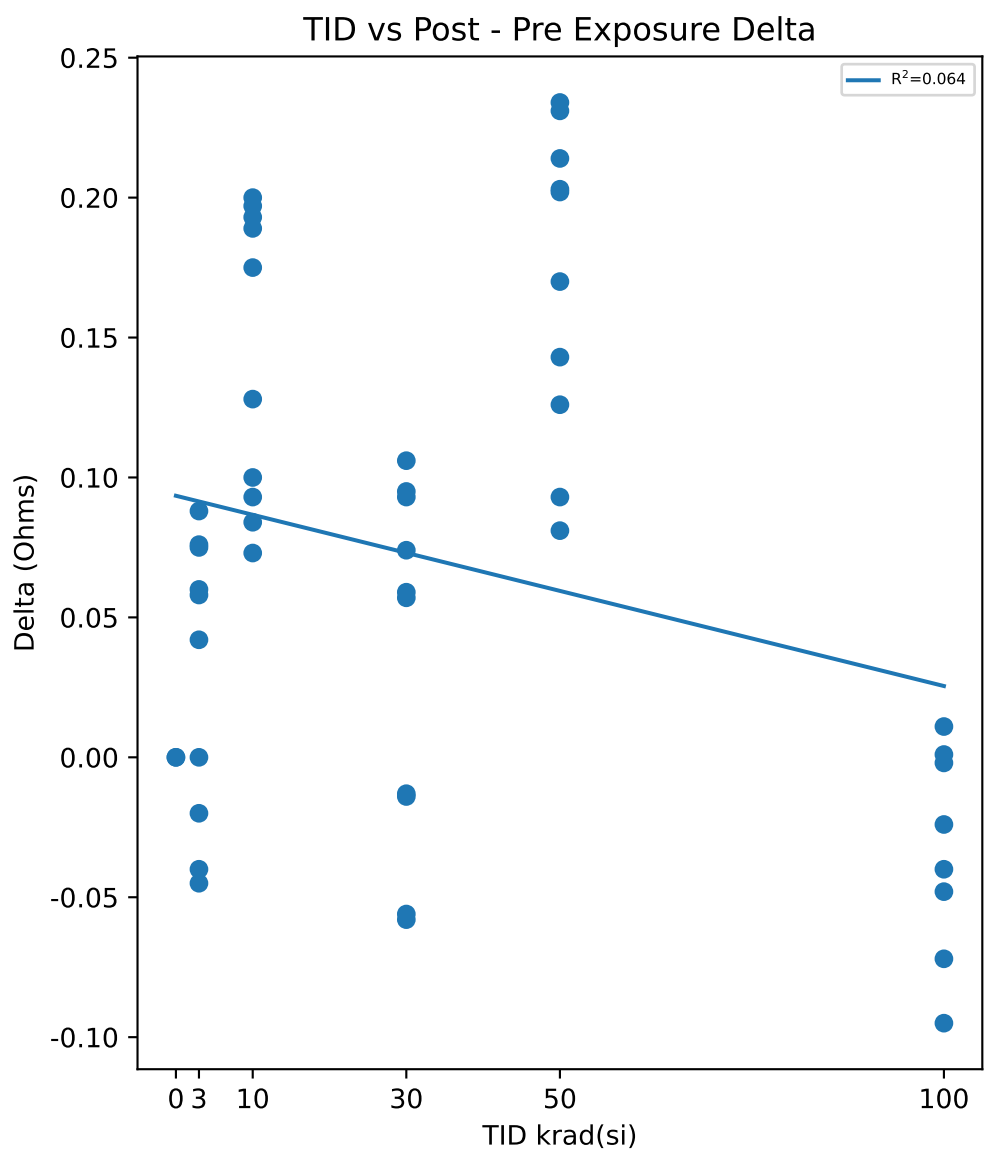
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 7.323 | 7.323 | 0 |
| 7 | 0 | Correlation | 7.319 | 7.319 | 0 |
| 16 | 3 | LDR-Biased | 7.227 | 7.174 | -0.053 |
| 18 | 3 | LDR-Biased | 7.197 | 7.258 | 0.061 |
| 19 | 3 | LDR-Biased | 7.268 | 7.305 | 0.037 |
| 20 | 3 | LDR-Biased | 7.212 | 7.217 | 0.005 |
| 21 | 3 | LDR-Biased | 7.211 | 7.268 | 0.057 |
| 22 | 3 | LDR-Unbiased | 7.247 | 7.276 | 0.029 |
| 23 | 3 | LDR-Unbiased | 7.165 | 7.274 | 0.109 |
| 25 | 3 | LDR-Unbiased | 7.255 | 7.329 | 0.074 |
| 26 | 3 | LDR-Unbiased | 7.237 | 7.291 | 0.054 |
| 27 | 3 | LDR-Unbiased | 7.253 | 7.265 | 0.012 |
| 46 | 10 | LDR-Biased | 7.227 | 7.31 | 0.083 |
| 48 | 10 | LDR-Biased | 7.197 | 7.382 | 0.185 |
| 49 | 10 | LDR-Biased | 7.268 | 7.401 | 0.133 |
| 50 | 10 | LDR-Biased | 7.212 | 7.319 | 0.107 |
| 51 | 10 | LDR-Biased | 7.211 | 7.392 | 0.181 |
| 52 | 10 | LDR-Unbiased | 7.247 | 7.406 | 0.159 |
| 53 | 10 | LDR-Unbiased | 7.165 | 7.394 | 0.229 |
| 55 | 10 | LDR-Unbiased | 7.255 | 7.448 | 0.193 |
| 56 | 10 | LDR-Unbiased | 7.237 | 7.4 | 0.163 |
| 57 | 10 | LDR-Unbiased | 7.253 | 7.371 | 0.118 |
| 76 | 30 | LDR-Biased | 7.227 | 7.276 | 0.049 |
| 78 | 30 | LDR-Biased | 7.197 | 7.346 | 0.149 |
| 79 | 30 | LDR-Biased | 7.268 | 7.357 | 0.089 |
| 80 | 30 | LDR-Biased | 7.212 | 7.285 | 0.073 |
| 81 | 30 | LDR-Biased | 7.211 | 7.317 | 0.106 |
| 82 | 30 | LDR-Unbiased | 7.247 | 7.311 | 0.064 |
| 83 | 30 | LDR-Unbiased | 7.165 | 7.331 | 0.166 |
| 84 | 30 | LDR-Unbiased | 7.253 | 7.307 | 0.054 |
| 85 | 30 | LDR-Unbiased | 7.255 | 7.369 | 0.114 |
| 86 | 30 | LDR-Unbiased | 7.237 | 7.349 | 0.112 |
| 87 | 100 | LDR-Biased | 7.188 | 7.22 | 0.032 |
| 88 | 100 | LDR-Biased | 7.267 | 7.223 | -0.044 |
| 90 | 100 | LDR-Biased | 7.212 | 7.221 | 0.009 |
| 91 | 100 | LDR-Unbiased | 7.243 | 7.23 | -0.013 |
| 93 | 100 | LDR-Unbiased | 7.217 | 7.231 | 0.014 |
| 94 | 100 | LDR-Unbiased | 7.242 | 7.148 | -0.094 |
| 95 | 100 | LDR-Unbiased | 7.269 | 7.212 | -0.057 |
| 96 | 100 | LDR-Unbiased | 7.254 | 7.2 | -0.054 |
| 106 | 50 | LDR-Biased | 7.227 | 7.305 | 0.078 |
| 108 | 50 | LDR-Biased | 7.197 | 7.398 | 0.201 |
| 109 | 50 | LDR-Biased | 7.268 | 7.437 | 0.169 |
| 110 | 50 | LDR-Biased | 7.212 | 7.343 | 0.131 |
| 111 | 50 | LDR-Biased | 7.211 | 7.407 | 0.196 |
| 112 | 50 | LDR-Unbiased | 7.247 | 7.414 | 0.167 |
| 113 | 50 | LDR-Unbiased | 7.165 | 7.421 | 0.256 |
| 115 | 50 | LDR-Unbiased | 7.255 | 7.46 | 0.205 |
| 116 | 50 | LDR-Unbiased | 7.237 | 7.44 | 0.203 |
| 117 | 50 | LDR-Unbiased | 7.253 | 7.426 | 0.173 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 7.319 | 7.321 | 7.323 | 0.0028284 | 7.319 | 7.321 | 7.323 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 7.165 | 7.2272 | 7.268 | 0.031386 | 7.174 | 7.2657 | 7.329 | 0.043732 | -0.053 | 0.0385 | 0.109 | 0.044232 |
| 10 | 7.165 | 7.2272 | 7.268 | 0.031386 | 7.31 | 7.3823 | 7.448 | 0.041007 | 0.083 | 0.1551 | 0.229 | 0.044618 |
| 30 | 7.165 | 7.2272 | 7.268 | 0.031386 | 7.276 | 7.3248 | 7.369 | 0.030908 | 0.049 | 0.0976 | 0.166 | 0.039354 |
| 50 | 7.165 | 7.2272 | 7.268 | 0.031386 | 7.305 | 7.4051 | 7.46 | 0.04708 | 0.078 | 0.1779 | 0.256 | 0.047989 |
| 100 | 7.188 | 7.2365 | 7.269 | 0.028531 | 7.148 | 7.2106 | 7.231 | 0.027192 | -0.094 | -0.025875 | 0.032 | 0.043179 |

# Device Test: 18.21 Res_PU_EN4/EN4/7/14/0/0/2/@EN_RPMOS_HIGH_V



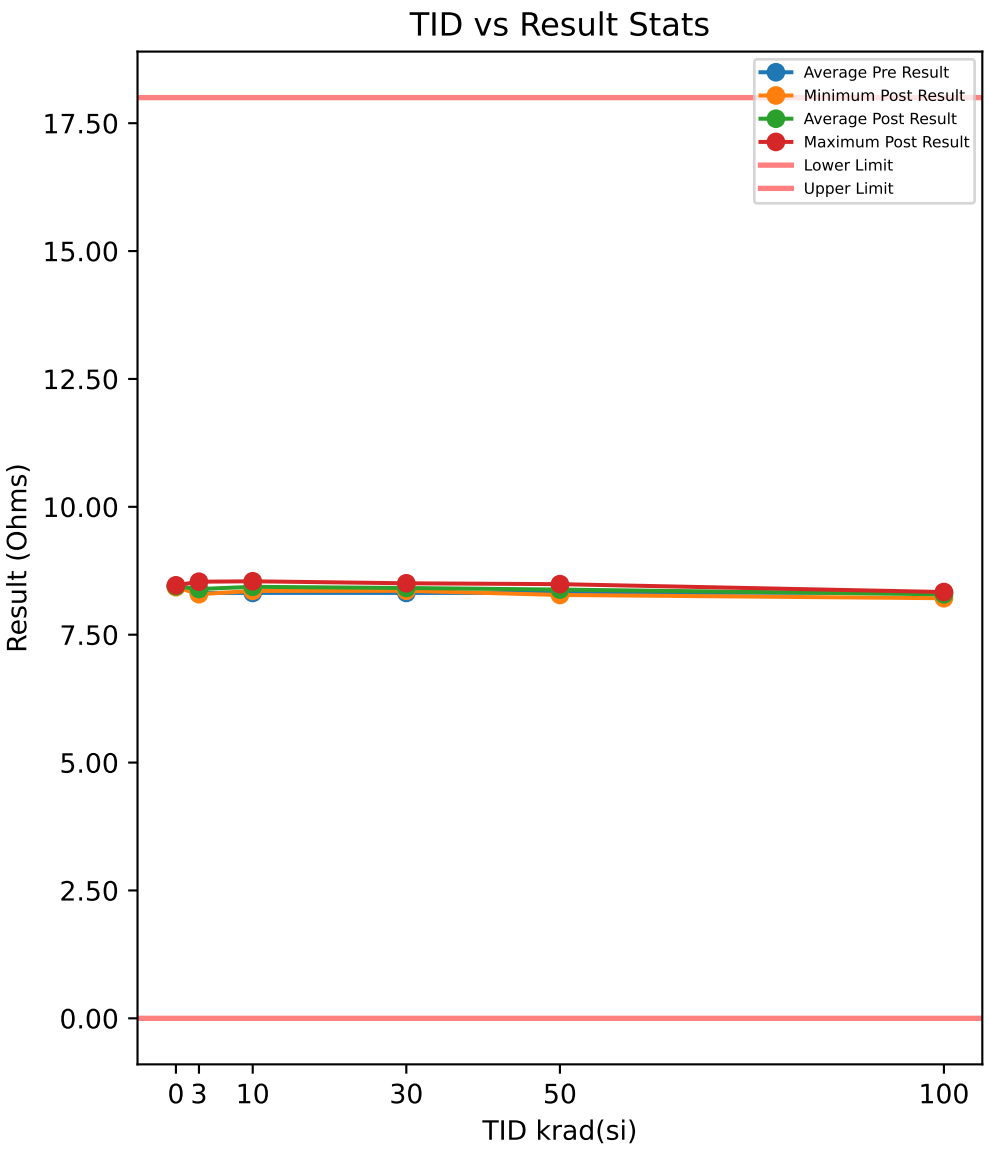

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

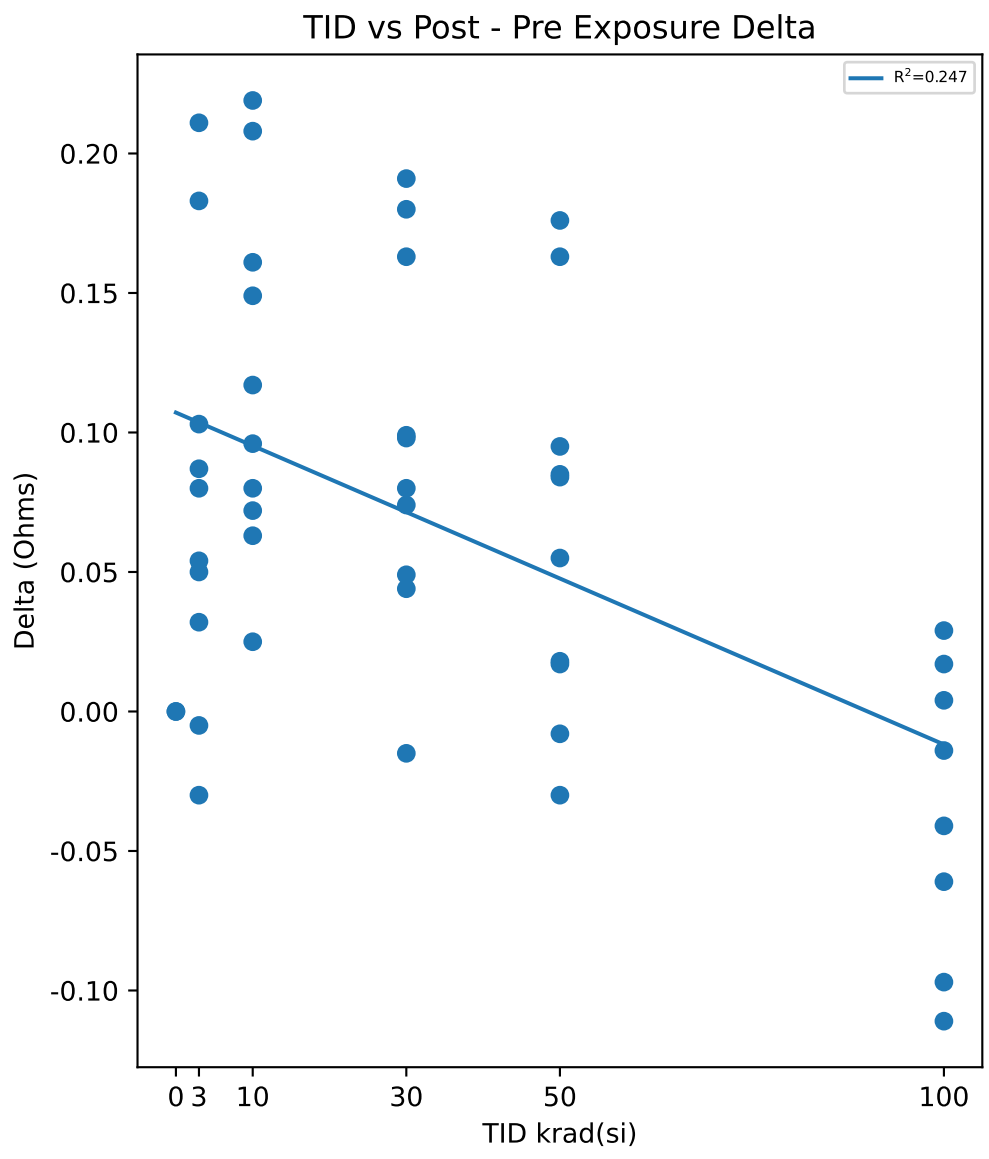
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 6.814 | 6.814 | 0 |
| 7 | 0 | Correlation | 6.789 | 6.789 | 0 |
| 16 | 3 | LDR-Biased | 6.74 | 6.7 | -0.04 |
| 18 | 3 | LDR-Biased | 6.687 | 6.747 | 0.06 |
| 19 | 3 | LDR-Biased | 6.752 | 6.794 | 0.042 |
| 20 | 3 | LDR-Biased | 6.718 | 6.673 | -0.045 |
| 21 | 3 | LDR-Biased | 6.697 | 6.772 | 0.075 |
| 22 | 3 | LDR-Unbiased | 6.769 | 6.749 | -0.02 |
| 23 | 3 | LDR-Unbiased | 6.683 | 6.771 | 0.088 |
| 25 | 3 | LDR-Unbiased | 6.735 | 6.793 | 0.058 |
| 26 | 3 | LDR-Unbiased | 6.722 | 6.798 | 0.076 |
| 27 | 3 | LDR-Unbiased | 6.754 | 6.754 | 0 |
| 46 | 10 | LDR-Biased | 6.74 | 6.824 | 0.084 |
| 48 | 10 | LDR-Biased | 6.687 | 6.876 | 0.189 |
| 49 | 10 | LDR-Biased | 6.752 | 6.88 | 0.128 |
| 50 | 10 | LDR-Biased | 6.718 | 6.791 | 0.073 |
| 51 | 10 | LDR-Biased | 6.697 | 6.89 | 0.193 |
| 52 | 10 | LDR-Unbiased | 6.769 | 6.862 | 0.093 |
| 53 | 10 | LDR-Unbiased | 6.683 | 6.88 | 0.197 |
| 55 | 10 | LDR-Unbiased | 6.735 | 6.935 | 0.2 |
| 56 | 10 | LDR-Unbiased | 6.722 | 6.897 | 0.175 |
| 57 | 10 | LDR-Unbiased | 6.754 | 6.854 | 0.1 |
| 76 | 30 | LDR-Biased | 6.74 | 6.727 | -0.013 |
| 78 | 30 | LDR-Biased | 6.687 | 6.78 | 0.093 |
| 79 | 30 | LDR-Biased | 6.752 | 6.809 | 0.057 |
| 80 | 30 | LDR-Biased | 6.718 | 6.662 | -0.056 |
| 81 | 30 | LDR-Biased | 6.697 | 6.756 | 0.059 |
| 82 | 30 | LDR-Unbiased | 6.769 | 6.711 | -0.058 |
| 83 | 30 | LDR-Unbiased | 6.683 | 6.789 | 0.106 |
| 84 | 30 | LDR-Unbiased | 6.754 | 6.74 | -0.014 |
| 85 | 30 | LDR-Unbiased | 6.735 | 6.809 | 0.074 |
| 86 | 30 | LDR-Unbiased | 6.722 | 6.817 | 0.095 |
| 87 | 100 | LDR-Biased | 6.708 | 6.706 | -0.002 |
| 88 | 100 | LDR-Biased | 6.774 | 6.726 | -0.048 |
| 90 | 100 | LDR-Biased | 6.72 | 6.721 | 0.001 |
| 91 | 100 | LDR-Unbiased | 6.756 | 6.716 | -0.04 |
| 93 | 100 | LDR-Unbiased | 6.709 | 6.72 | 0.011 |
| 94 | 100 | LDR-Unbiased | 6.748 | 6.653 | -0.095 |
| 95 | 100 | LDR-Unbiased | 6.723 | 6.699 | -0.024 |
| 96 | 100 | LDR-Unbiased | 6.747 | 6.675 | -0.072 |
| 106 | 50 | LDR-Biased | 6.74 | 6.821 | 0.081 |
| 108 | 50 | LDR-Biased | 6.687 | 6.889 | 0.202 |
| 109 | 50 | LDR-Biased | 6.752 | 6.922 | 0.17 |
| 110 | 50 | LDR-Biased | 6.718 | 6.811 | 0.093 |
| 111 | 50 | LDR-Biased | 6.697 | 6.911 | 0.214 |
| 112 | 50 | LDR-Unbiased | 6.769 | 6.895 | 0.126 |
| 113 | 50 | LDR-Unbiased | 6.683 | 6.917 | 0.234 |
| 115 | 50 | LDR-Unbiased | 6.735 | 6.938 | 0.203 |
| 116 | 50 | LDR-Unbiased | 6.722 | 6.953 | 0.231 |
| 117 | 50 | LDR-Unbiased | 6.754 | 6.897 | 0.143 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 6.789 | 6.8015 | 6.814 | 0.017678 | 6.789 | 6.8015 | 6.814 | 0.017678 | 0 | 0 | 0 | 0 |
| 3 | 6.683 | 6.7257 | 6.769 | 0.029582 | 6.673 | 6.7551 | 6.798 | 0.041108 | -0.045 | 0.0294 | 0.088 | 0.050831 |
| 10 | 6.683 | 6.7257 | 6.769 | 0.029582 | 6.791 | 6.8689 | 6.935 | 0.039798 | 0.073 | 0.1432 | 0.2 | 0.052451 |
| 30 | 6.683 | 6.7257 | 6.769 | 0.029582 | 6.662 | 6.76 | 6.817 | 0.050334 | -0.058 | 0.0343 | 0.106 | 0.063435 |
| 50 | 6.683 | 6.7257 | 6.769 | 0.029582 | 6.811 | 6.8954 | 6.953 | 0.046251 | 0.081 | 0.1697 | 0.234 | 0.056155 |
| 100 | 6.708 | 6.7356 | 6.774 | 0.024041 | 6.653 | 6.702 | 6.726 | 0.025668 | -0.095 | -0.033625 | 0.011 | 0.037359 |

# Device Test: 18.22 Res_PU_PWRDG/PWRGD/7/14/0/0/2/@PWRGD_RPMOS_HIGH_V



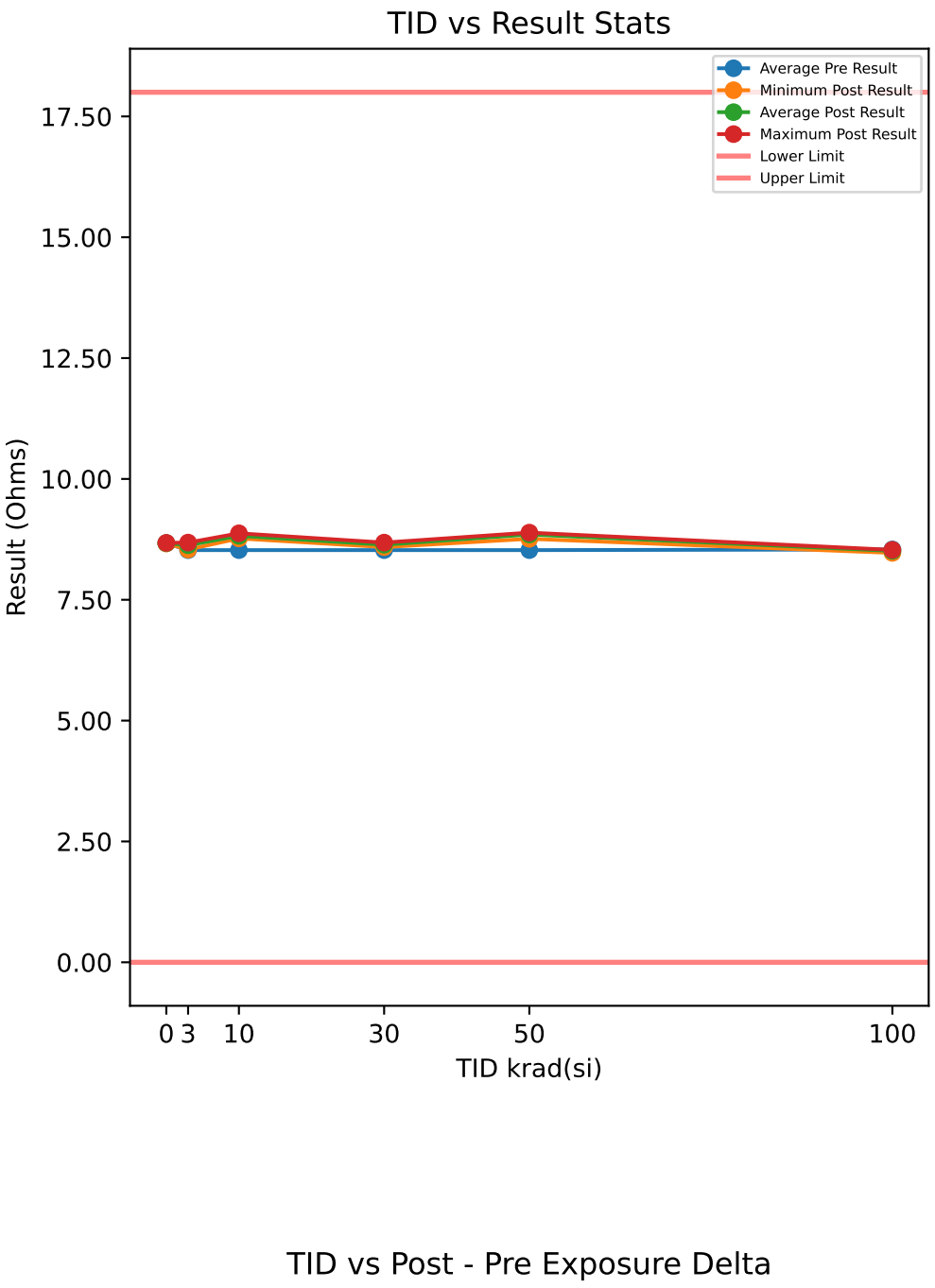

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

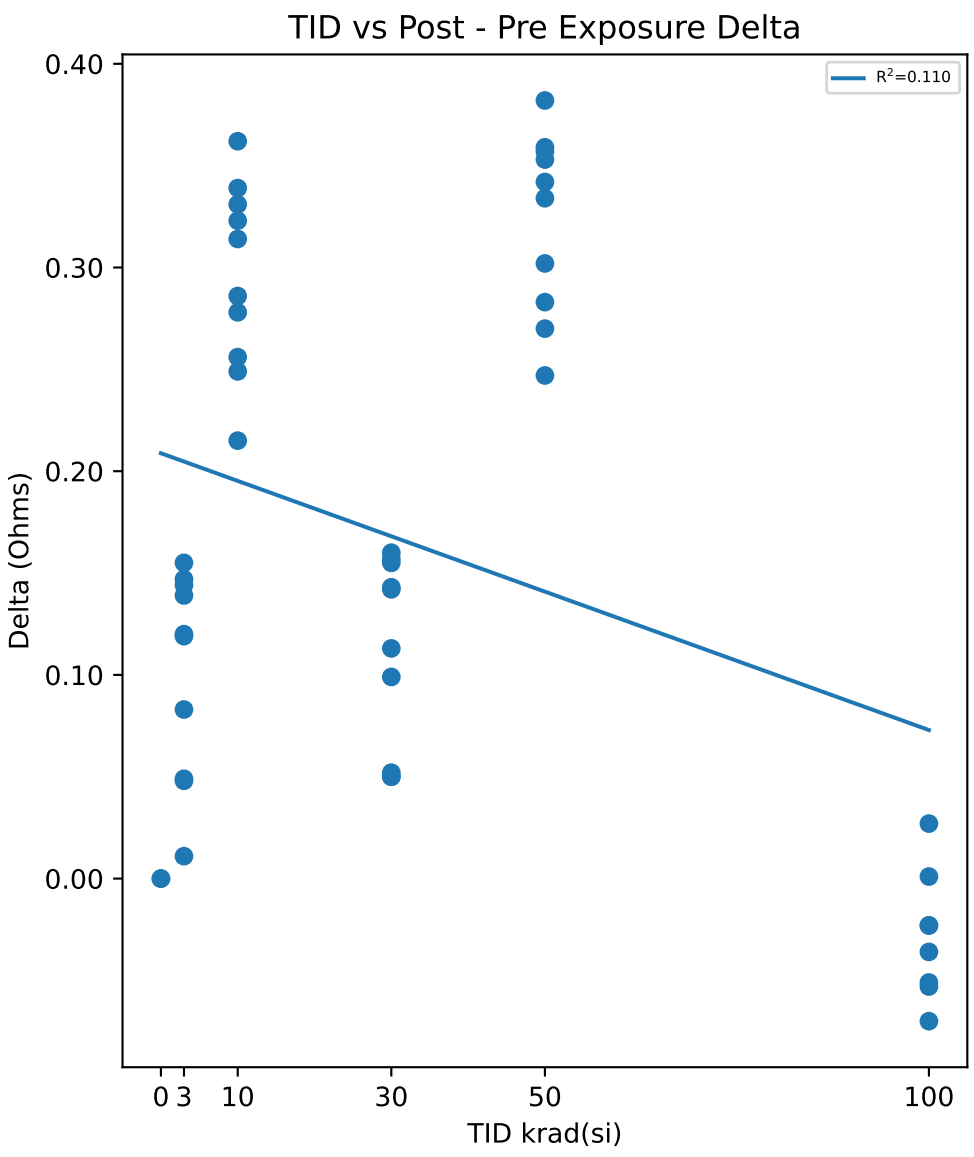
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 8.465 | 8.465 | 0 |
| 7 | 0 | Correlation | 8.429 | 8.429 | 0 |
| 16 | 3 | LDR-Biased | 8.26 | 8.292 | 0.032 |
| 18 | 3 | LDR-Biased | 8.263 | 8.343 | 0.08 |
| 19 | 3 | LDR-Biased | 8.369 | 8.423 | 0.054 |
| 20 | 3 | LDR-Biased | 8.331 | 8.326 | -0.005 |
| 21 | 3 | LDR-Biased | 8.293 | 8.396 | 0.103 |
| 22 | 3 | LDR-Unbiased | 8.373 | 8.343 | -0.03 |
| 23 | 3 | LDR-Unbiased | 8.242 | 8.425 | 0.183 |
| 25 | 3 | LDR-Unbiased | 8.325 | 8.536 | 0.211 |
| 26 | 3 | LDR-Unbiased | 8.347 | 8.434 | 0.087 |
| 27 | 3 | LDR-Unbiased | 8.366 | 8.416 | 0.05 |
| 46 | 10 | LDR-Biased | 8.26 | 8.356 | 0.096 |
| 48 | 10 | LDR-Biased | 8.263 | 8.424 | 0.161 |
| 49 | 10 | LDR-Biased | 8.369 | 8.441 | 0.072 |
| 50 | 10 | LDR-Biased | 8.331 | 8.394 | 0.063 |
| 51 | 10 | LDR-Biased | 8.293 | 8.442 | 0.149 |
| 52 | 10 | LDR-Unbiased | 8.373 | 8.398 | 0.025 |
| 53 | 10 | LDR-Unbiased | 8.242 | 8.45 | 0.208 |
| 55 | 10 | LDR-Unbiased | 8.325 | 8.544 | 0.219 |
| 56 | 10 | LDR-Unbiased | 8.347 | 8.464 | 0.117 |
| 57 | 10 | LDR-Unbiased | 8.366 | 8.446 | 0.08 |
| 76 | 30 | LDR-Biased | 8.26 | 8.359 | 0.099 |
| 78 | 30 | LDR-Biased | 8.263 | 8.426 | 0.163 |
| 79 | 30 | LDR-Biased | 8.369 | 8.443 | 0.074 |
| 80 | 30 | LDR-Biased | 8.331 | 8.375 | 0.044 |
| 81 | 30 | LDR-Biased | 8.293 | 8.391 | 0.098 |
| 82 | 30 | LDR-Unbiased | 8.373 | 8.358 | -0.015 |
| 83 | 30 | LDR-Unbiased | 8.242 | 8.433 | 0.191 |
| 84 | 30 | LDR-Unbiased | 8.366 | 8.415 | 0.049 |
| 85 | 30 | LDR-Unbiased | 8.325 | 8.505 | 0.18 |
| 86 | 30 | LDR-Unbiased | 8.347 | 8.427 | 0.08 |
| 87 | 100 | LDR-Biased | 8.282 | 8.286 | 0.004 |
| 88 | 100 | LDR-Biased | 8.335 | 8.321 | -0.014 |
| 90 | 100 | LDR-Biased | 8.294 | 8.323 | 0.029 |
| 91 | 100 | LDR-Unbiased | 8.35 | 8.289 | -0.061 |
| 93 | 100 | LDR-Unbiased | 8.317 | 8.334 | 0.017 |
| 94 | 100 | LDR-Unbiased | 8.31 | 8.213 | -0.097 |
| 95 | 100 | LDR-Unbiased | 8.317 | 8.276 | -0.041 |
| 96 | 100 | LDR-Unbiased | 8.382 | 8.271 | -0.111 |
| 106 | 50 | LDR-Biased | 8.26 | 8.277 | 0.017 |
| 108 | 50 | LDR-Biased | 8.263 | 8.358 | 0.095 |
| 109 | 50 | LDR-Biased | 8.369 | 8.387 | 0.018 |
| 110 | 50 | LDR-Biased | 8.331 | 8.323 | -0.008 |
| 111 | 50 | LDR-Biased | 8.293 | 8.378 | 0.085 |
| 112 | 50 | LDR-Unbiased | 8.373 | 8.343 | -0.03 |
| 113 | 50 | LDR-Unbiased | 8.242 | 8.418 | 0.176 |
| 115 | 50 | LDR-Unbiased | 8.325 | 8.488 | 0.163 |
| 116 | 50 | LDR-Unbiased | 8.347 | 8.431 | 0.084 |
| 117 | 50 | LDR-Unbiased | 8.366 | 8.421 | 0.055 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 8.429 | 8.447 | 8.465 | 0.025456 | 8.429 | 8.447 | 8.465 | 0.025456 | 0 | 0 | 0 | 0 |
| 3 | 8.242 | 8.3169 | 8.373 | 0.049179 | 8.292 | 8.3934 | 8.536 | 0.070143 | -0.03 | 0.0765 | 0.211 | 0.075594 |
| 10 | 8.242 | 8.3169 | 8.373 | 0.049179 | 8.356 | 8.4359 | 8.544 | 0.050063 | 0.025 | 0.119 | 0.219 | 0.063962 |
| 30 | 8.242 | 8.3169 | 8.373 | 0.049179 | 8.358 | 8.4132 | 8.505 | 0.044723 | -0.015 | 0.0963 | 0.191 | 0.065452 |
| 50 | 8.242 | 8.3169 | 8.373 | 0.049179 | 8.277 | 8.3824 | 8.488 | 0.060641 | -0.03 | 0.0655 | 0.176 | 0.068759 |
| 100 | 8.282 | 8.3234 | 8.382 | 0.031883 | 8.213 | 8.2891 | 8.334 | 0.038698 | -0.111 | -0.03425 | 0.029 | 0.052221 |

# Device Test: 18.23 Res_PU_SEQ/SEQ_DONE/7/14/0/0/2/@SEQDONE_RPMOS_HIGH_V



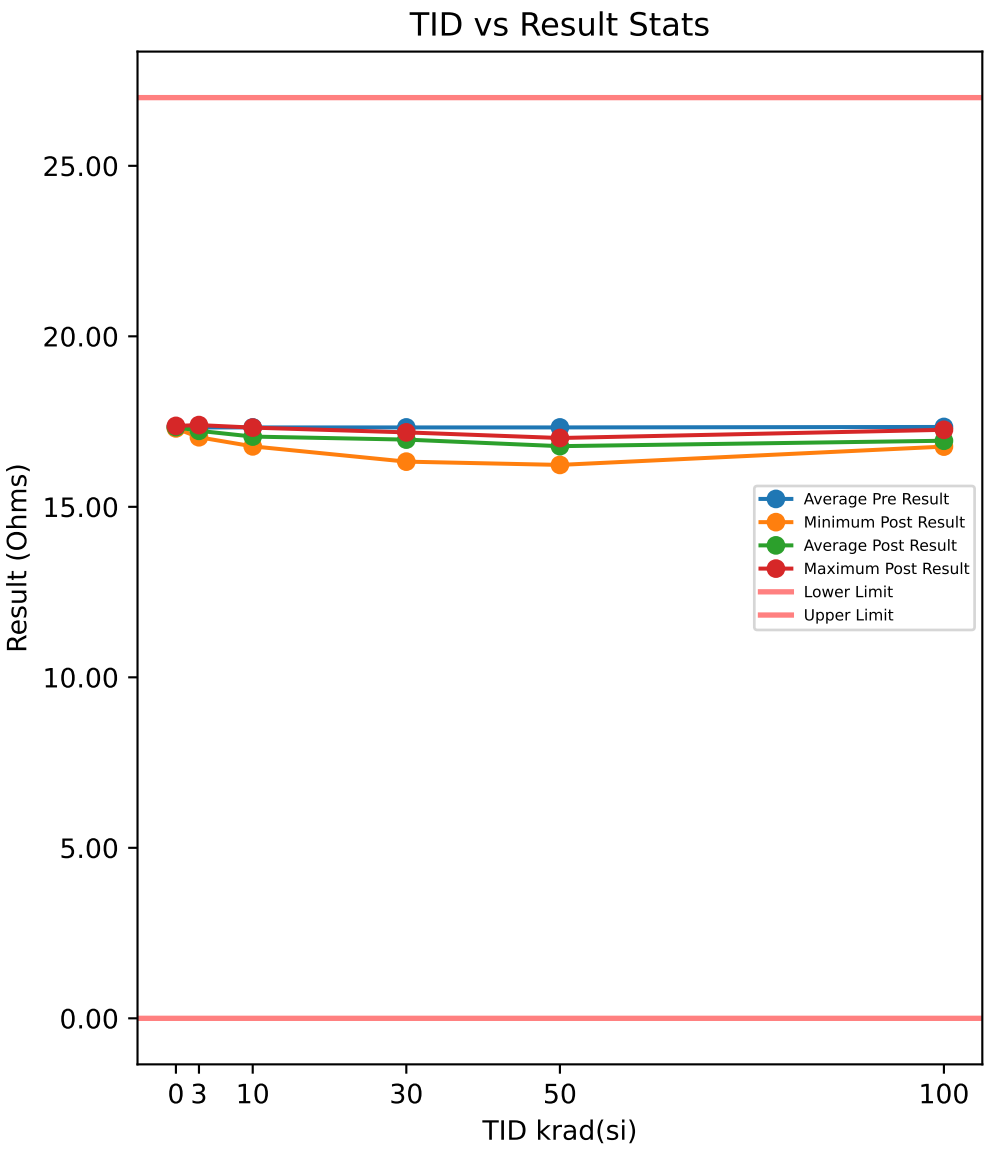

Test Results (Lower Limit = 0.0, Upper Limit = 18.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 8.666 | 8.666 | 0 |
| 7 | 0 | Correlation | 8.677 | 8.677 | 0 |
| 16 | 3 | LDR-Biased | 8.491 | 8.54 | 0.049 |
| 18 | 3 | LDR-Biased | 8.486 | 8.606 | 0.12 |
| 19 | 3 | LDR-Biased | 8.528 | 8.667 | 0.139 |
| 20 | 3 | LDR-Biased | 8.57 | 8.581 | 0.011 |
| 21 | 3 | LDR-Biased | 8.502 | 8.657 | 0.155 |
| 22 | 3 | LDR-Unbiased | 8.555 | 8.603 | 0.048 |
| 23 | 3 | LDR-Unbiased | 8.489 | 8.633 | 0.144 |
| 25 | 3 | LDR-Unbiased | 8.536 | 8.683 | 0.147 |
| 26 | 3 | LDR-Unbiased | 8.538 | 8.657 | 0.119 |
| 27 | 3 | LDR-Unbiased | 8.579 | 8.662 | 0.083 |
| 46 | 10 | LDR-Biased | 8.491 | 8.769 | 0.278 |
| 48 | 10 | LDR-Biased | 8.486 | 8.8 | 0.314 |
| 49 | 10 | LDR-Biased | 8.528 | 8.851 | 0.323 |
| 50 | 10 | LDR-Biased | 8.57 | 8.785 | 0.215 |
| 51 | 10 | LDR-Biased | 8.502 | 8.864 | 0.362 |
| 52 | 10 | LDR-Unbiased | 8.555 | 8.804 | 0.249 |
| 53 | 10 | LDR-Unbiased | 8.489 | 8.82 | 0.331 |
| 55 | 10 | LDR-Unbiased | 8.536 | 8.875 | 0.339 |
| 56 | 10 | LDR-Unbiased | 8.538 | 8.824 | 0.286 |
| 57 | 10 | LDR-Unbiased | 8.579 | 8.835 | 0.256 |
| 76 | 30 | LDR-Biased | 8.491 | 8.59 | 0.099 |
| 78 | 30 | LDR-Biased | 8.486 | 8.643 | 0.157 |
| 79 | 30 | LDR-Biased | 8.528 | 8.683 | 0.155 |
| 80 | 30 | LDR-Biased | 8.57 | 8.62 | 0.05 |
| 81 | 30 | LDR-Biased | 8.502 | 8.644 | 0.142 |
| 82 | 30 | LDR-Unbiased | 8.555 | 8.605 | 0.05 |
| 83 | 30 | LDR-Unbiased | 8.489 | 8.649 | 0.16 |
| 84 | 30 | LDR-Unbiased | 8.579 | 8.631 | 0.052 |
| 85 | 30 | LDR-Unbiased | 8.536 | 8.679 | 0.143 |
| 86 | 30 | LDR-Unbiased | 8.538 | 8.651 | 0.113 |
| 87 | 100 | LDR-Biased | 8.532 | 8.509 | -0.023 |
| 88 | 100 | LDR-Biased | 8.534 | 8.511 | -0.023 |
| 90 | 100 | LDR-Biased | 8.52 | 8.521 | 0.001 |
| 91 | 100 | LDR-Unbiased | 8.557 | 8.521 | -0.036 |
| 93 | 100 | LDR-Unbiased | 8.505 | 8.532 | 0.027 |
| 94 | 100 | LDR-Unbiased | 8.521 | 8.47 | -0.051 |
| 95 | 100 | LDR-Unbiased | 8.569 | 8.516 | -0.053 |
| 96 | 100 | LDR-Unbiased | 8.587 | 8.517 | -0.07 |
| 106 | 50 | LDR-Biased | 8.491 | 8.761 | 0.27 |
| 108 | 50 | LDR-Biased | 8.486 | 8.828 | 0.342 |
| 109 | 50 | LDR-Biased | 8.528 | 8.887 | 0.359 |
| 110 | 50 | LDR-Biased | 8.57 | 8.817 | 0.247 |
| 111 | 50 | LDR-Biased | 8.502 | 8.859 | 0.357 |
| 112 | 50 | LDR-Unbiased | 8.555 | 8.838 | 0.283 |
| 113 | 50 | LDR-Unbiased | 8.489 | 8.871 | 0.382 |
| 115 | 50 | LDR-Unbiased | 8.536 | 8.889 | 0.353 |
| 116 | 50 | LDR-Unbiased | 8.538 | 8.872 | 0.334 |
| 117 | 50 | LDR-Unbiased | 8.579 | 8.881 | 0.302 |

Test Statistics (Ohms)

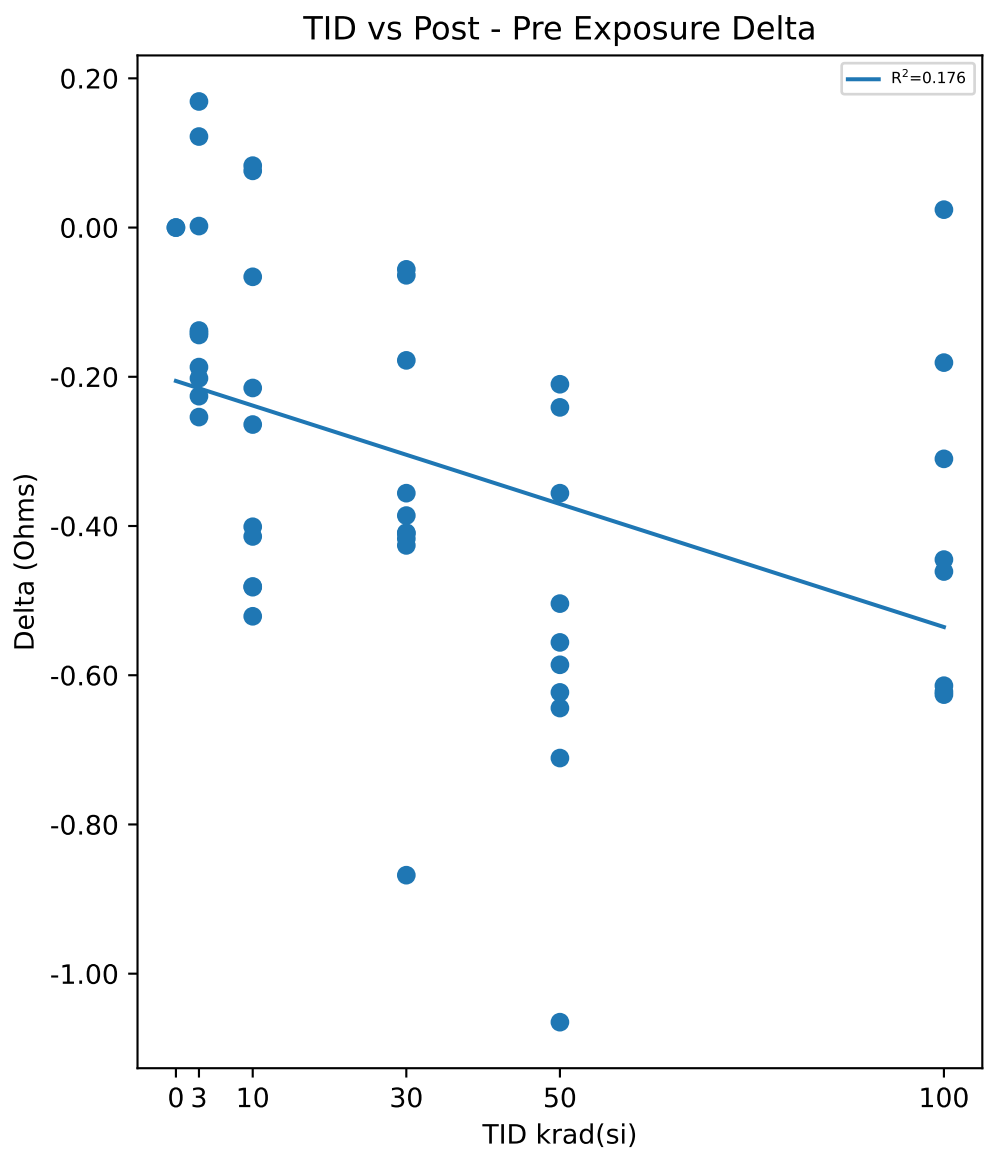
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 8.666 | 8.6715 | 8.677 | 0.0077782 | 8.666 | 8.6715 | 8.677 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 8.486 | 8.5274 | 8.579 | 0.034294 | 8.54 | 8.6289 | 8.683 | 0.045293 | 0.011 | 0.1015 | 0.155 | 0.050491 |
| 10 | 8.486 | 8.5274 | 8.579 | 0.034294 | 8.769 | 8.8227 | 8.875 | 0.034274 | 0.215 | 0.2953 | 0.362 | 0.046275 |
| 30 | 8.486 | 8.5274 | 8.579 | 0.034294 | 8.59 | 8.6395 | 8.683 | 0.02944 | 0.05 | 0.1121 | 0.16 | 0.046544 |
| 50 | 8.486 | 8.5274 | 8.579 | 0.034294 | 8.761 | 8.8503 | 8.889 | 0.04013 | 0.247 | 0.3229 | 0.382 | 0.044648 |
| 100 | 8.505 | 8.5406 | 8.587 | 0.027831 | 8.47 | 8.5121 | 8.532 | 0.018427 | -0.07 | -0.0285 | 0.027 | 0.031387 |

# Device Test: 18.24 Res_PD_EN1/EN1/1.6/3/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

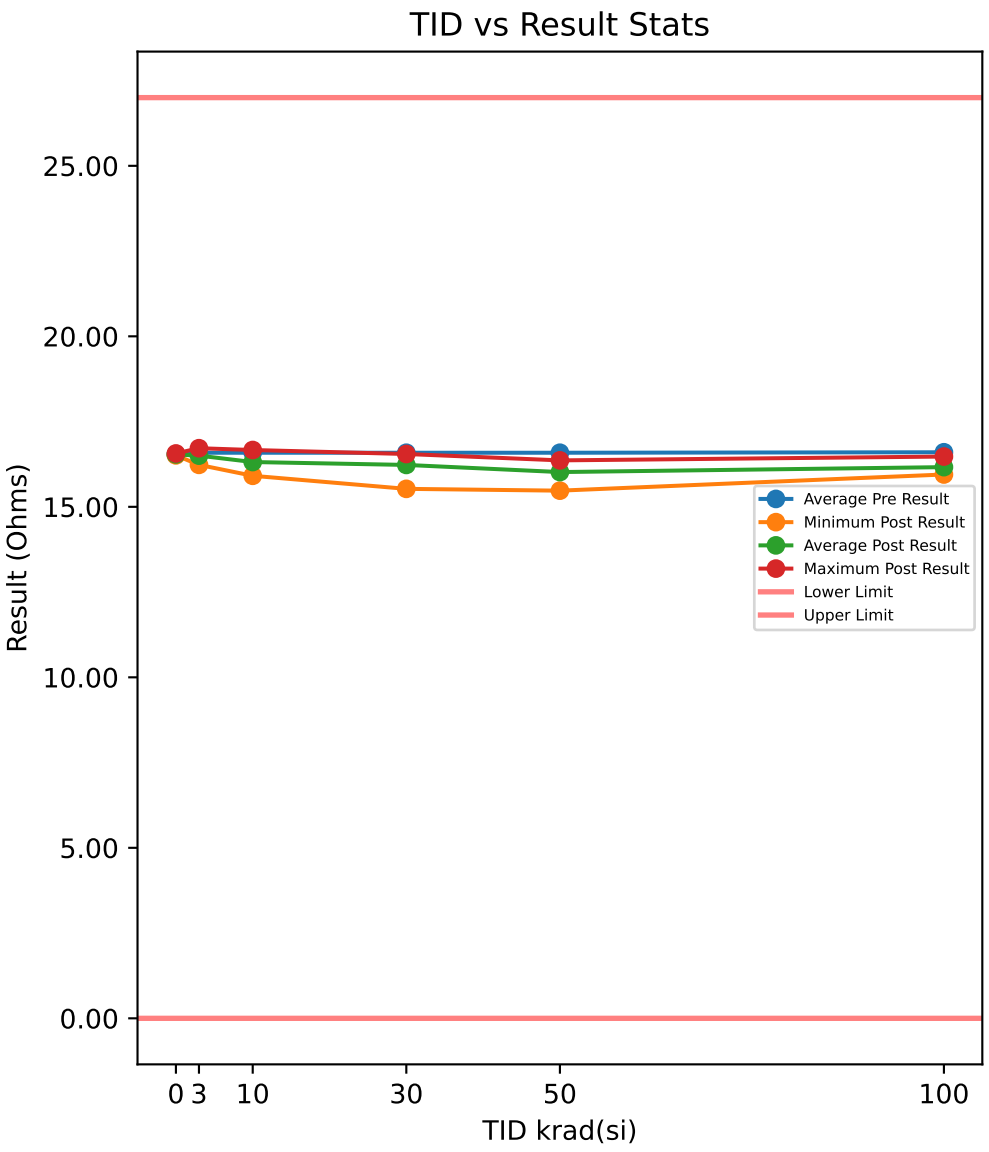
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 17.3 | 17.3 | 0 |
| 7 | 0 | Correlation | 17.373 | 17.373 | 0 |
| 16 | 3 | LDR-Biased | 17.359 | 17.133 | -0.226 |
| 18 | 3 | LDR-Biased | 17.193 | 17.052 | -0.141 |
| 19 | 3 | LDR-Biased | 17.33 | 17.128 | -0.202 |
| 20 | 3 | LDR-Biased | 17.294 | 17.04 | -0.254 |
| 21 | 3 | LDR-Biased | 17.48 | 17.336 | -0.144 |
| 22 | 3 | LDR-Unbiased | 17.247 | 17.369 | 0.122 |
| 23 | 3 | LDR-Unbiased | 17.268 | 17.27 | 0.002 |
| 25 | 3 | LDR-Unbiased | 17.419 | 17.232 | -0.187 |
| 26 | 3 | LDR-Unbiased | 17.466 | 17.328 | -0.138 |
| 27 | 3 | LDR-Unbiased | 17.228 | 17.397 | 0.169 |
| 46 | 10 | LDR-Biased | 17.359 | 16.877 | -0.482 |
| 48 | 10 | LDR-Biased | 17.193 | 16.779 | -0.414 |
| 49 | 10 | LDR-Biased | 17.33 | 16.849 | -0.481 |
| 50 | 10 | LDR-Biased | 17.294 | 16.773 | -0.521 |
| 51 | 10 | LDR-Biased | 17.48 | 17.079 | -0.401 |
| 52 | 10 | LDR-Unbiased | 17.247 | 17.323 | 0.076 |
| 53 | 10 | LDR-Unbiased | 17.268 | 17.202 | -0.066 |
| 55 | 10 | LDR-Unbiased | 17.419 | 17.155 | -0.264 |
| 56 | 10 | LDR-Unbiased | 17.466 | 17.251 | -0.215 |
| 57 | 10 | LDR-Unbiased | 17.228 | 17.311 | 0.083 |
| 76 | 30 | LDR-Biased | 17.359 | 16.942 | -0.417 |
| 78 | 30 | LDR-Biased | 17.193 | 16.325 | -0.868 |
| 79 | 30 | LDR-Biased | 17.33 | 16.921 | -0.409 |
| 80 | 30 | LDR-Biased | 17.294 | 16.868 | -0.426 |
| 81 | 30 | LDR-Biased | 17.48 | 17.07 | -0.41 |
| 82 | 30 | LDR-Unbiased | 17.247 | 17.183 | -0.064 |
| 83 | 30 | LDR-Unbiased | 17.268 | 17.09 | -0.178 |
| 84 | 30 | LDR-Unbiased | 17.228 | 17.172 | -0.056 |
| 85 | 30 | LDR-Unbiased | 17.419 | 17.033 | -0.386 |
| 86 | 30 | LDR-Unbiased | 17.466 | 17.11 | -0.356 |
| 87 | 100 | LDR-Biased | 17.478 | 16.856 | -0.622 |
| 88 | 100 | LDR-Biased | 17.439 | 17.258 | -0.181 |
| 90 | 100 | LDR-Biased | 17.233 | 17.257 | 0.024 |
| 91 | 100 | LDR-Unbiased | 17.244 | 16.783 | -0.461 |
| 93 | 100 | LDR-Unbiased | 17.491 | 16.877 | -0.614 |
| 94 | 100 | LDR-Unbiased | 17.392 | 16.766 | -0.626 |
| 95 | 100 | LDR-Unbiased | 17.223 | 16.913 | -0.31 |
| 96 | 100 | LDR-Unbiased | 17.238 | 16.793 | -0.445 |
| 106 | 50 | LDR-Biased | 17.359 | 16.648 | -0.711 |
| 108 | 50 | LDR-Biased | 17.193 | 16.57 | -0.623 |
| 109 | 50 | LDR-Biased | 17.33 | 16.686 | -0.644 |
| 110 | 50 | LDR-Biased | 17.294 | 16.229 | -1.065 |
| 111 | 50 | LDR-Biased | 17.48 | 16.894 | -0.586 |
| 112 | 50 | LDR-Unbiased | 17.247 | 17.006 | -0.241 |
| 113 | 50 | LDR-Unbiased | 17.268 | 16.912 | -0.356 |
| 115 | 50 | LDR-Unbiased | 17.419 | 16.863 | -0.556 |
| 116 | 50 | LDR-Unbiased | 17.466 | 16.962 | -0.504 |
| 117 | 50 | LDR-Unbiased | 17.228 | 17.018 | -0.21 |




Test Statistics (Ohms)

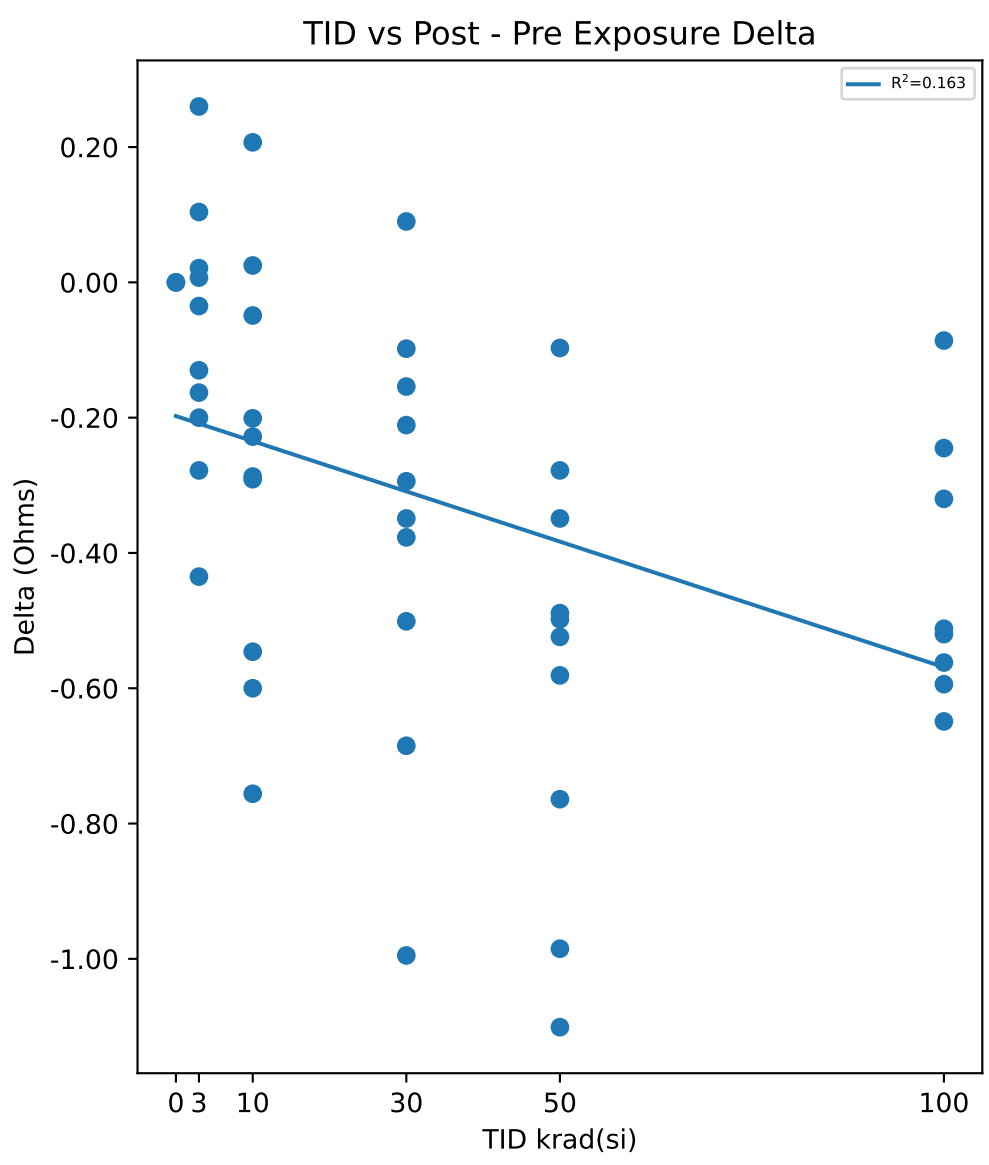
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.3 | 17.337 | 17.373 | 0.051619 | 17.3 | 17.337 | 17.373 | 0.051619 | 0 | 0 | 0 | 0 |
| 3 | 17.193 | 17.328 | 17.48 | 0.10052 | 17.04 | 17.229 | 17.397 | 0.13217 | -0.254 | -0.0999 | 0.169 | 0.14707 |
| 10 | 17.193 | 17.328 | 17.48 | 0.10052 | 16.773 | 17.06 | 17.323 | 0.22049 | -0.521 | -0.2685 | 0.083 | 0.23078 |
| 30 | 17.193 | 17.328 | 17.48 | 0.10052 | 16.325 | 16.971 | 17.183 | 0.25027 | -0.868 | -0.357 | -0.056 | 0.23198 |
| 50 | 17.193 | 17.328 | 17.48 | 0.10052 | 16.229 | 16.779 | 17.018 | 0.24768 | -1.065 | -0.5496 | -0.21 | 0.24888 |
| 100 | 17.223 | 17.342 | 17.491 | 0.11896 | 16.766 | 16.938 | 17.258 | 0.20349 | -0.626 | -0.40437 | 0.024 | 0.23531 |

# Device Test: 18.25 Res_PD_EN2/EN2/1.6/3/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 16.509 | 16.509 | 0 |
| 7 | 0 | Correlation | 16.565 | 16.565 | 0 |
| 16 | 3 | LDR-Biased | 16.666 | 16.231 | -0.435 |
| 18 | 3 | LDR-Biased | 16.522 | 16.322 | -0.2 |
| 19 | 3 | LDR-Biased | 16.58 | 16.587 | 0.007 |
| 20 | 3 | LDR-Biased | 16.575 | 16.297 | -0.278 |
| 21 | 3 | LDR-Biased | 16.664 | 16.629 | -0.035 |
| 22 | 3 | LDR-Unbiased | 16.459 | 16.719 | 0.26 |
| 23 | 3 | LDR-Unbiased | 16.608 | 16.629 | 0.021 |
| 25 | 3 | LDR-Unbiased | 16.575 | 16.412 | -0.163 |
| 26 | 3 | LDR-Unbiased | 16.669 | 16.539 | -0.13 |
| 27 | 3 | LDR-Unbiased | 16.542 | 16.646 | 0.104 |
| 46 | 10 | LDR-Biased | 16.666 | 15.91 | -0.756 |
| 48 | 10 | LDR-Biased | 16.522 | 15.976 | -0.546 |
| 49 | 10 | LDR-Biased | 16.58 | 16.293 | -0.287 |
| 50 | 10 | LDR-Biased | 16.575 | 15.975 | -0.6 |
| 51 | 10 | LDR-Biased | 16.664 | 16.373 | -0.291 |
| 52 | 10 | LDR-Unbiased | 16.459 | 16.666 | 0.207 |
| 53 | 10 | LDR-Unbiased | 16.608 | 16.559 | -0.049 |
| 55 | 10 | LDR-Unbiased | 16.575 | 16.347 | -0.228 |
| 56 | 10 | LDR-Unbiased | 16.669 | 16.468 | -0.201 |
| 57 | 10 | LDR-Unbiased | 16.542 | 16.567 | 0.025 |
| 76 | 30 | LDR-Biased | 16.666 | 15.981 | -0.685 |
| 78 | 30 | LDR-Biased | 16.522 | 15.527 | -0.995 |
| 79 | 30 | LDR-Biased | 16.58 | 16.369 | -0.211 |
| 80 | 30 | LDR-Biased | 16.575 | 16.074 | -0.501 |
| 81 | 30 | LDR-Biased | 16.664 | 16.37 | -0.294 |
| 82 | 30 | LDR-Unbiased | 16.459 | 16.549 | 0.09 |
| 83 | 30 | LDR-Unbiased | 16.608 | 16.454 | -0.154 |
| 84 | 30 | LDR-Unbiased | 16.542 | 16.444 | -0.098 |
| 85 | 30 | LDR-Unbiased | 16.575 | 16.198 | -0.377 |
| 86 | 30 | LDR-Unbiased | 16.669 | 16.32 | -0.349 |
| 87 | 100 | LDR-Biased | 16.665 | 16.016 | -0.649 |
| 88 | 100 | LDR-Biased | 16.719 | 16.474 | -0.245 |
| 90 | 100 | LDR-Biased | 16.548 | 16.462 | -0.086 |
| 91 | 100 | LDR-Unbiased | 16.46 | 15.948 | -0.512 |
| 93 | 100 | LDR-Unbiased | 16.678 | 16.158 | -0.52 |
| 94 | 100 | LDR-Unbiased | 16.702 | 16.14 | -0.562 |
| 95 | 100 | LDR-Unbiased | 16.468 | 16.148 | -0.32 |
| 96 | 100 | LDR-Unbiased | 16.56 | 15.966 | -0.594 |
| 106 | 50 | LDR-Biased | 16.666 | 15.681 | -0.985 |
| 108 | 50 | LDR-Biased | 16.522 | 15.758 | -0.764 |
| 109 | 50 | LDR-Biased | 16.58 | 16.082 | -0.498 |
| 110 | 50 | LDR-Biased | 16.575 | 15.474 | -1.101 |
| 111 | 50 | LDR-Biased | 16.664 | 16.175 | -0.489 |
| 112 | 50 | LDR-Unbiased | 16.459 | 16.362 | -0.097 |
| 113 | 50 | LDR-Unbiased | 16.608 | 16.259 | -0.349 |
| 115 | 50 | LDR-Unbiased | 16.575 | 15.994 | -0.581 |
| 116 | 50 | LDR-Unbiased | 16.669 | 16.145 | -0.524 |
| 117 | 50 | LDR-Unbiased | 16.542 | 16.264 | -0.278 |

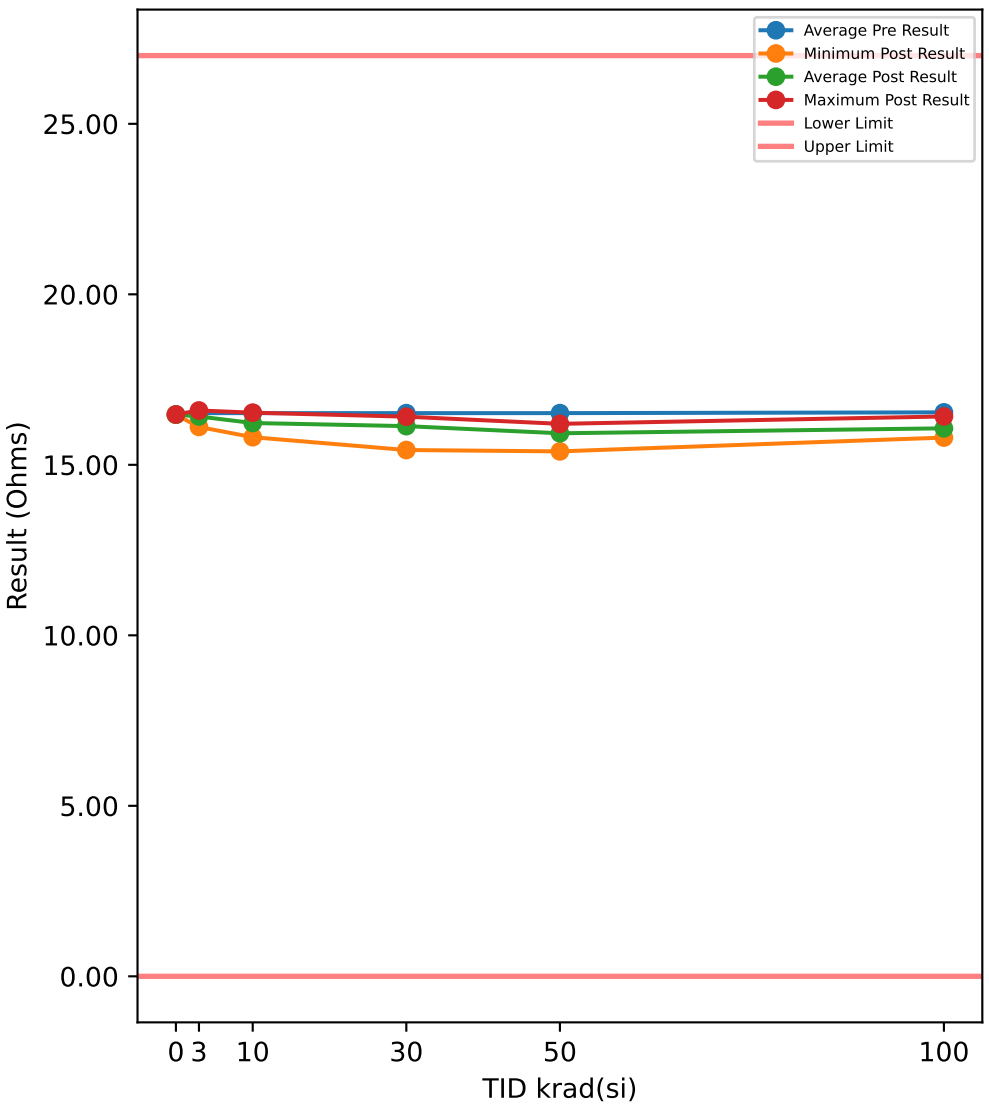



Test Statistics (Ohms)

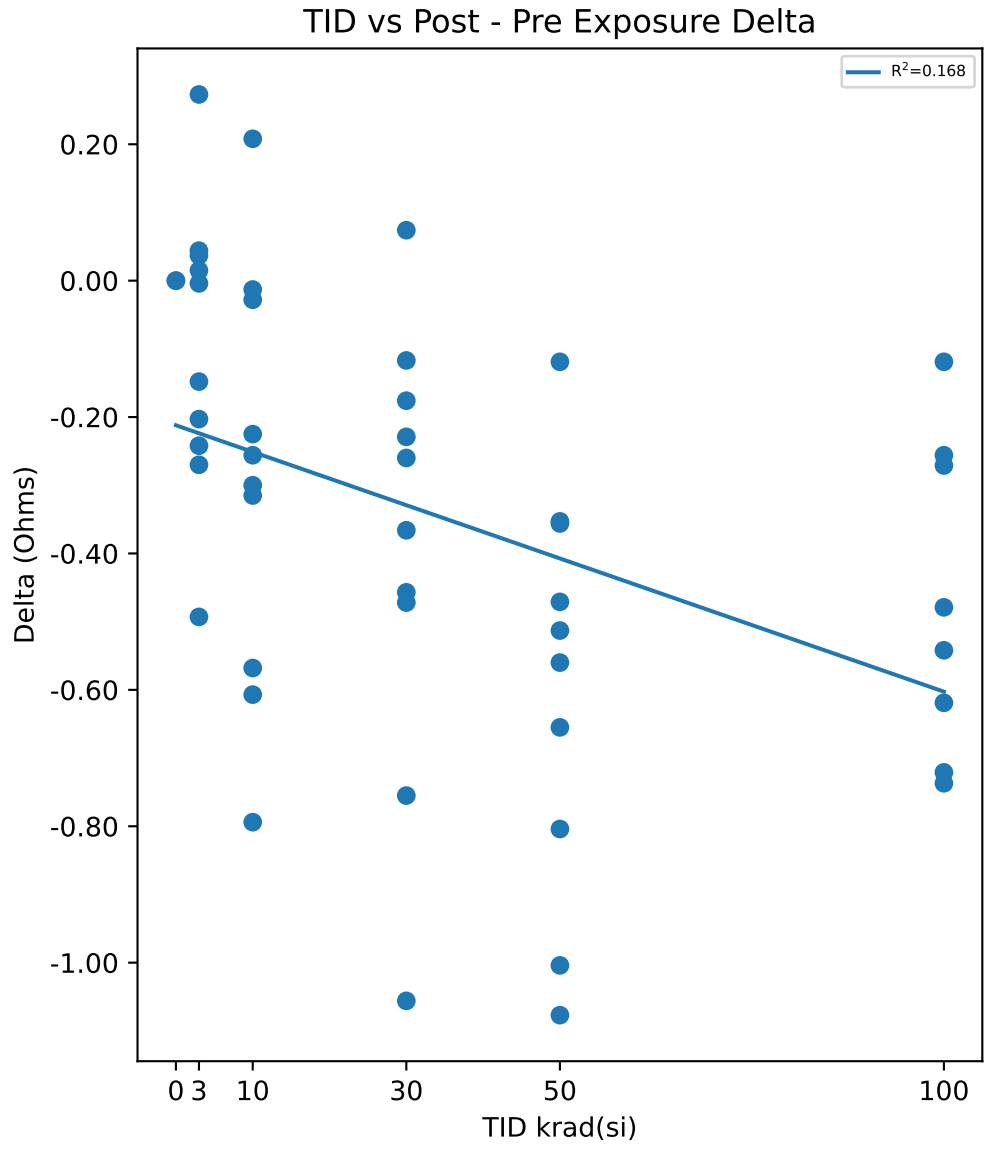
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 16.509 | 16.537 | 16.565 | 0.039598 | 16.509 | 16.537 | 16.565 | 0.039598 | 0 | 0 | 0 | 0 |
| 3 | 16.459 | 16.586 | 16.669 | 0.068553 | 16.231 | 16.501 | 16.719 | 0.17148 | -0.435 | -0.0849 | 0.26 | 0.19945 |
| 10 | 16.459 | 16.586 | 16.669 | 0.068553 | 15.91 | 16.313 | 16.666 | 0.27265 | -0.756 | -0.2726 | 0.207 | 0.29662 |
| 30 | 16.459 | 16.586 | 16.669 | 0.068553 | 15.527 | 16.229 | 16.549 | 0.303 | -0.995 | -0.3574 | 0.09 | 0.31077 |
| 50 | 16.459 | 16.586 | 16.669 | 0.068553 | 15.474 | 16.019 | 16.362 | 0.29049 | -1.101 | -0.5666 | -0.097 | 0.30975 |
| 100 | 16.46 | 16.6 | 16.719 | 0.10434 | 15.948 | 16.164 | 16.474 | 0.20478 | -0.649 | -0.436 | -0.086 | 0.19693 |

# Device Test: 18.26 Res_PD_EN3/EN3/1.6/3/0/0/2/@EN_RNMOS_LOW_V

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



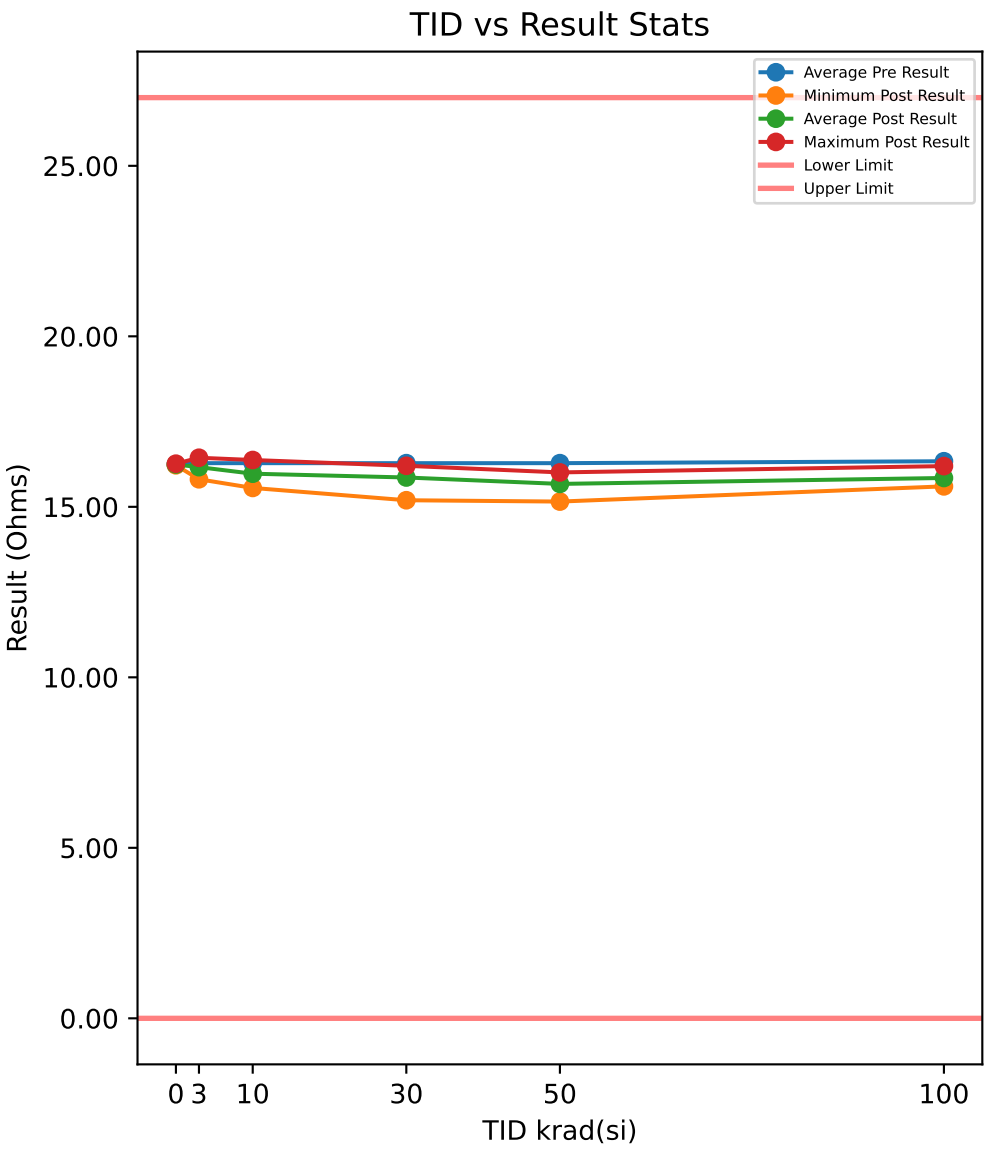

## Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

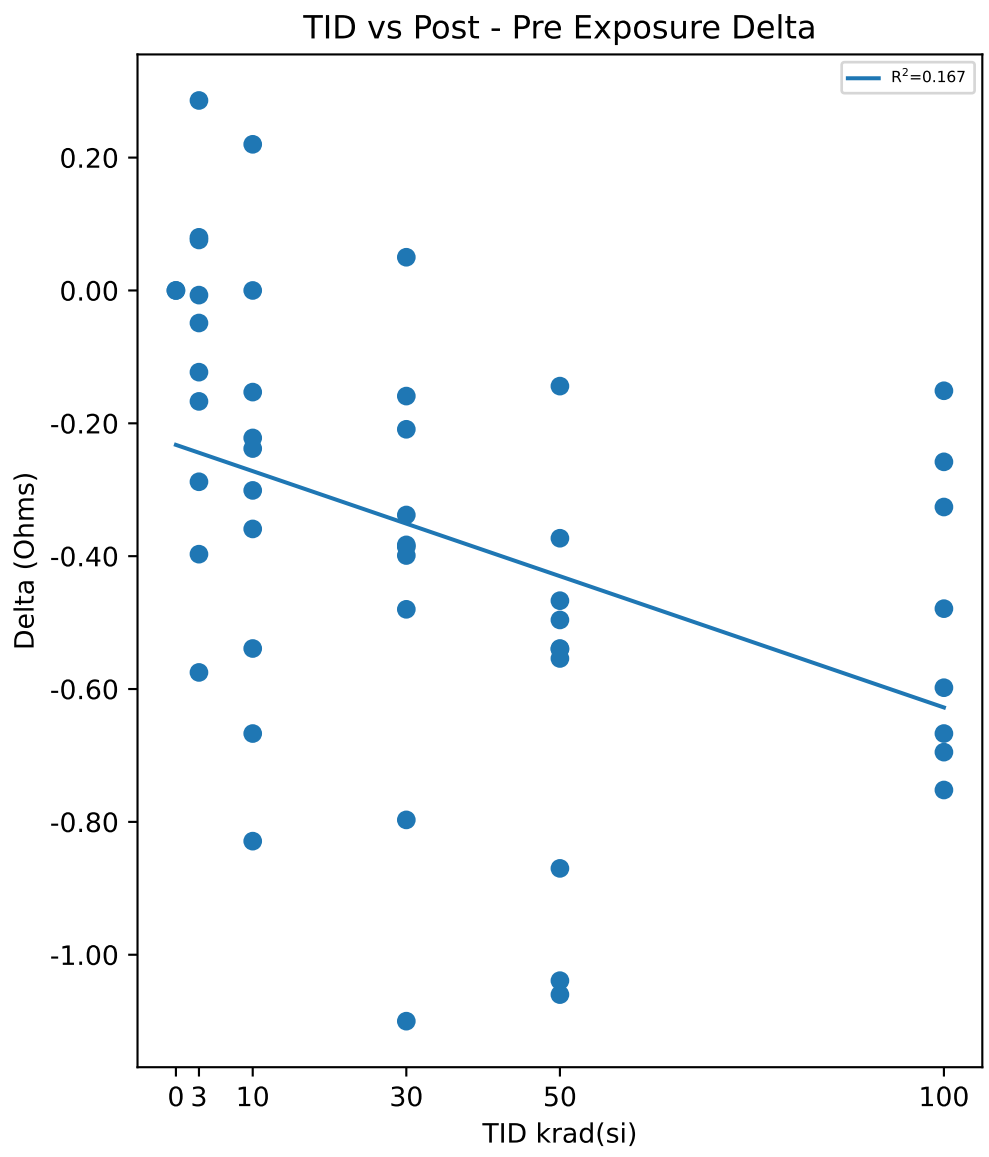
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 16.477 | 16.477 | 0 |
| 7 | 0 | Correlation | 16.469 | 16.469 | 0 |
| 16 | 3 | LDR-Biased | 16.604 | 16.111 | -0.493 |
| 18 | 3 | LDR-Biased | 16.49 | 16.22 | -0.27 |
| 19 | 3 | LDR-Biased | 16.545 | 16.541 | -0.004 |
| 20 | 3 | LDR-Biased | 16.471 | 16.229 | -0.242 |
| 21 | 3 | LDR-Biased | 16.579 | 16.594 | 0.015 |
| 22 | 3 | LDR-Unbiased | 16.321 | 16.594 | 0.273 |
| 23 | 3 | LDR-Unbiased | 16.529 | 16.566 | 0.037 |
| 25 | 3 | LDR-Unbiased | 16.496 | 16.293 | -0.203 |
| 26 | 3 | LDR-Unbiased | 16.6 | 16.452 | -0.148 |
| 27 | 3 | LDR-Unbiased | 16.526 | 16.57 | 0.044 |
| 46 | 10 | LDR-Biased | 16.604 | 15.81 | -0.794 |
| 48 | 10 | LDR-Biased | 16.49 | 15.883 | -0.607 |
| 49 | 10 | LDR-Biased | 16.545 | 16.23 | -0.315 |
| 50 | 10 | LDR-Biased | 16.471 | 15.903 | -0.568 |
| 51 | 10 | LDR-Biased | 16.579 | 16.323 | -0.256 |
| 52 | 10 | LDR-Unbiased | 16.321 | 16.529 | 0.208 |
| 53 | 10 | LDR-Unbiased | 16.529 | 16.516 | -0.013 |
| 55 | 10 | LDR-Unbiased | 16.496 | 16.196 | -0.3 |
| 56 | 10 | LDR-Unbiased | 16.6 | 16.375 | -0.225 |
| 57 | 10 | LDR-Unbiased | 16.526 | 16.498 | -0.028 |
| 76 | 30 | LDR-Biased | 16.604 | 15.849 | -0.755 |
| 78 | 30 | LDR-Biased | 16.49 | 15.434 | -1.056 |
| 79 | 30 | LDR-Biased | 16.545 | 16.316 | -0.229 |
| 80 | 30 | LDR-Biased | 16.471 | 15.999 | -0.472 |
| 81 | 30 | LDR-Biased | 16.579 | 16.319 | -0.26 |
| 82 | 30 | LDR-Unbiased | 16.321 | 16.395 | 0.074 |
| 83 | 30 | LDR-Unbiased | 16.529 | 16.412 | -0.117 |
| 84 | 30 | LDR-Unbiased | 16.526 | 16.35 | -0.176 |
| 85 | 30 | LDR-Unbiased | 16.496 | 16.039 | -0.457 |
| 86 | 30 | LDR-Unbiased | 16.6 | 16.234 | -0.366 |
| 87 | 100 | LDR-Biased | 16.662 | 15.941 | -0.721 |
| 88 | 100 | LDR-Biased | 16.674 | 16.418 | -0.256 |
| 90 | 100 | LDR-Biased | 16.528 | 16.409 | -0.119 |
| 91 | 100 | LDR-Unbiased | 16.302 | 15.823 | -0.479 |
| 93 | 100 | LDR-Unbiased | 16.583 | 16.041 | -0.542 |
| 94 | 100 | LDR-Unbiased | 16.634 | 16.015 | -0.619 |
| 95 | 100 | LDR-Unbiased | 16.389 | 16.118 | -0.271 |
| 96 | 100 | LDR-Unbiased | 16.536 | 15.799 | -0.737 |
| 106 | 50 | LDR-Biased | 16.604 | 15.6 | -1.004 |
| 108 | 50 | LDR-Biased | 16.49 | 15.686 | -0.804 |
| 109 | 50 | LDR-Biased | 16.545 | 16.032 | -0.513 |
| 110 | 50 | LDR-Biased | 16.471 | 15.394 | -1.077 |
| 111 | 50 | LDR-Biased | 16.579 | 16.108 | -0.471 |
| 112 | 50 | LDR-Unbiased | 16.321 | 16.202 | -0.119 |
| 113 | 50 | LDR-Unbiased | 16.529 | 16.176 | -0.353 |
| 115 | 50 | LDR-Unbiased | 16.496 | 15.841 | -0.655 |
| 116 | 50 | LDR-Unbiased | 16.6 | 16.04 | -0.56 |
| 117 | 50 | LDR-Unbiased | 16.526 | 16.17 | -0.356 |

## Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 16.469 | 16.473 | 16.477 | 0.0056569 | 16.469 | 16.473 | 16.477 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 16.321 | 16.516 | 16.604 | 0.082331 | 16.111 | 16.417 | 16.594 | 0.185 | -0.493 | -0.0991 | 0.273 | 0.21538 |
| 10 | 16.321 | 16.516 | 16.604 | 0.082331 | 15.81 | 16.226 | 16.529 | 0.27436 | -0.794 | -0.2898 | 0.208 | 0.30391 |
| 30 | 16.321 | 16.516 | 16.604 | 0.082331 | 15.434 | 16.135 | 16.412 | 0.31053 | -1.056 | -0.3814 | 0.074 | 0.32766 |
| 50 | 16.321 | 16.516 | 16.604 | 0.082331 | 15.394 | 15.925 | 16.202 | 0.28081 | -1.077 | -0.5912 | -0.119 | 0.30043 |
| 100 | 16.302 | 16.538 | 16.674 | 0.13262 | 15.799 | 16.07 | 16.418 | 0.23703 | -0.737 | -0.468 | -0.119 | 0.23001 |

# Device Test: 18.27 Res_PD_EN4/EN4/1.6/3/0/0/2/@EN_RNMOS_LOW_V



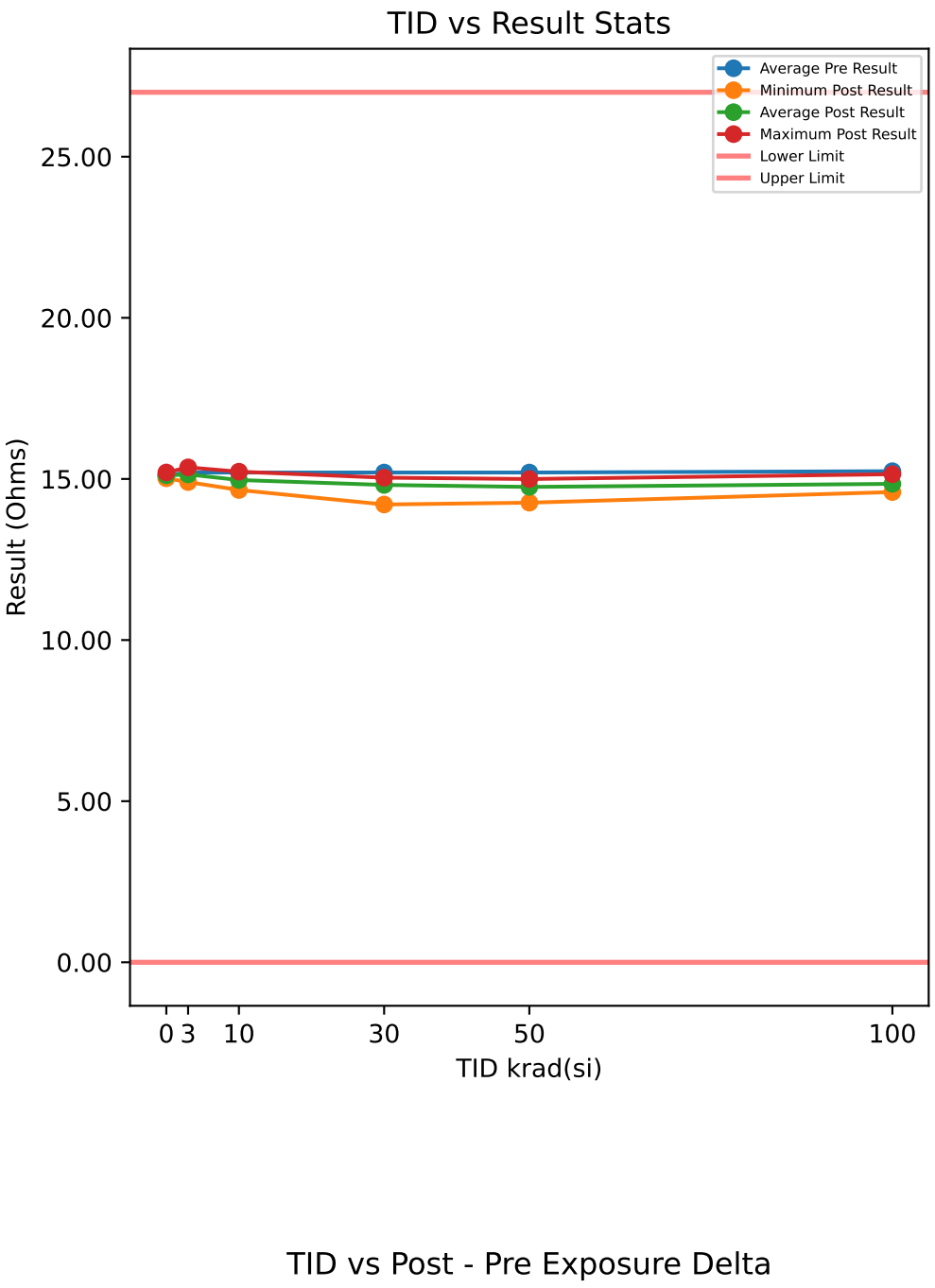

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

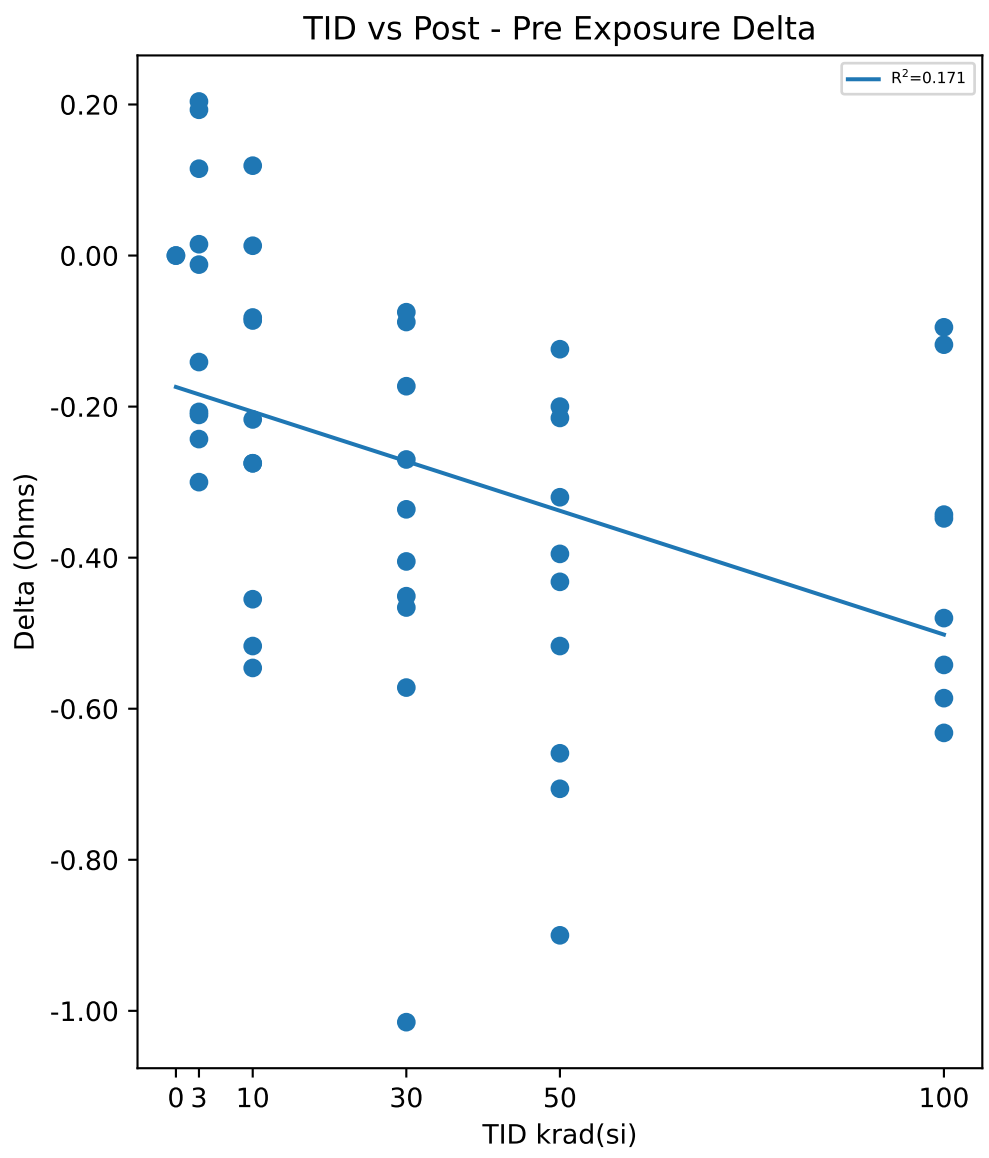
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 16.265 | 16.265 | 0 |
| 7 | 0 | Correlation | 16.218 | 16.218 | 0 |
| 16 | 3 | LDR-Biased | 16.383 | 15.808 | -0.575 |
| 18 | 3 | LDR-Biased | 16.293 | 15.896 | -0.397 |
| 19 | 3 | LDR-Biased | 16.257 | 16.333 | 0.076 |
| 20 | 3 | LDR-Biased | 16.214 | 15.926 | -0.288 |
| 21 | 3 | LDR-Biased | 16.37 | 16.363 | -0.007 |
| 22 | 3 | LDR-Unbiased | 16.153 | 16.439 | 0.286 |
| 23 | 3 | LDR-Unbiased | 16.242 | 16.322 | 0.08 |
| 25 | 3 | LDR-Unbiased | 16.194 | 16.027 | -0.167 |
| 26 | 3 | LDR-Unbiased | 16.348 | 16.225 | -0.123 |
| 27 | 3 | LDR-Unbiased | 16.349 | 16.3 | -0.049 |
| 46 | 10 | LDR-Biased | 16.383 | 15.554 | -0.829 |
| 48 | 10 | LDR-Biased | 16.293 | 15.626 | -0.667 |
| 49 | 10 | LDR-Biased | 16.257 | 15.956 | -0.301 |
| 50 | 10 | LDR-Biased | 16.214 | 15.675 | -0.539 |
| 51 | 10 | LDR-Biased | 16.37 | 16.011 | -0.359 |
| 52 | 10 | LDR-Unbiased | 16.153 | 16.373 | 0.22 |
| 53 | 10 | LDR-Unbiased | 16.242 | 16.242 | 0 |
| 55 | 10 | LDR-Unbiased | 16.194 | 15.956 | -0.238 |
| 56 | 10 | LDR-Unbiased | 16.348 | 16.126 | -0.222 |
| 57 | 10 | LDR-Unbiased | 16.349 | 16.196 | -0.153 |
| 76 | 30 | LDR-Biased | 16.383 | 15.586 | -0.797 |
| 78 | 30 | LDR-Biased | 16.293 | 15.193 | -1.1 |
| 79 | 30 | LDR-Biased | 16.257 | 16.048 | -0.209 |
| 80 | 30 | LDR-Biased | 16.214 | 15.734 | -0.48 |
| 81 | 30 | LDR-Biased | 16.37 | 15.984 | -0.386 |
| 82 | 30 | LDR-Unbiased | 16.153 | 16.203 | 0.05 |
| 83 | 30 | LDR-Unbiased | 16.242 | 16.083 | -0.159 |
| 84 | 30 | LDR-Unbiased | 16.349 | 16.011 | -0.338 |
| 85 | 30 | LDR-Unbiased | 16.194 | 15.795 | -0.399 |
| 86 | 30 | LDR-Unbiased | 16.348 | 15.965 | -0.383 |
| 87 | 100 | LDR-Biased | 16.435 | 15.74 | -0.695 |
| 88 | 100 | LDR-Biased | 16.452 | 16.194 | -0.258 |
| 90 | 100 | LDR-Biased | 16.343 | 16.192 | -0.151 |
| 91 | 100 | LDR-Unbiased | 16.145 | 15.666 | -0.479 |
| 93 | 100 | LDR-Unbiased | 16.389 | 15.791 | -0.598 |
| 94 | 100 | LDR-Unbiased | 16.426 | 15.759 | -0.667 |
| 95 | 100 | LDR-Unbiased | 16.151 | 15.825 | -0.326 |
| 96 | 100 | LDR-Unbiased | 16.352 | 15.6 | -0.752 |
| 106 | 50 | LDR-Biased | 16.383 | 15.344 | -1.039 |
| 108 | 50 | LDR-Biased | 16.293 | 15.423 | -0.87 |
| 109 | 50 | LDR-Biased | 16.257 | 15.79 | -0.467 |
| 110 | 50 | LDR-Biased | 16.214 | 15.154 | -1.06 |
| 111 | 50 | LDR-Biased | 16.37 | 15.816 | -0.554 |
| 112 | 50 | LDR-Unbiased | 16.153 | 16.009 | -0.144 |
| 113 | 50 | LDR-Unbiased | 16.242 | 15.869 | -0.373 |
| 115 | 50 | LDR-Unbiased | 16.194 | 15.654 | -0.54 |
| 116 | 50 | LDR-Unbiased | 16.348 | 15.809 | -0.539 |
| 117 | 50 | LDR-Unbiased | 16.349 | 15.853 | -0.496 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 16.218 | 16.242 | 16.265 | 0.033234 | 16.218 | 16.242 | 16.265 | 0.033234 | 0 | 0 | 0 | 0 |
| 3 | 16.153 | 16.28 | 16.383 | 0.080358 | 15.808 | 16.164 | 16.439 | 0.22729 | -0.575 | -0.1164 | 0.286 | 0.25279 |
| 10 | 16.153 | 16.28 | 16.383 | 0.080358 | 15.554 | 15.972 | 16.373 | 0.27734 | -0.829 | -0.3088 | 0.22 | 0.31025 |
| 30 | 16.153 | 16.28 | 16.383 | 0.080358 | 15.193 | 15.86 | 16.203 | 0.29665 | -1.1 | -0.4201 | 0.05 | 0.32513 |
| 50 | 16.153 | 16.28 | 16.383 | 0.080358 | 15.154 | 15.672 | 16.009 | 0.27423 | -1.06 | -0.6082 | -0.144 | 0.29325 |
| 100 | 16.145 | 16.337 | 16.452 | 0.12258 | 15.6 | 15.846 | 16.194 | 0.22552 | -0.752 | -0.49075 | -0.151 | 0.22342 |

# Device Test: 18.28 Res_PD_PWRDG/PWRGD/1.6/3/0/0/2/@PWRGD_RNMOS_LOW_V



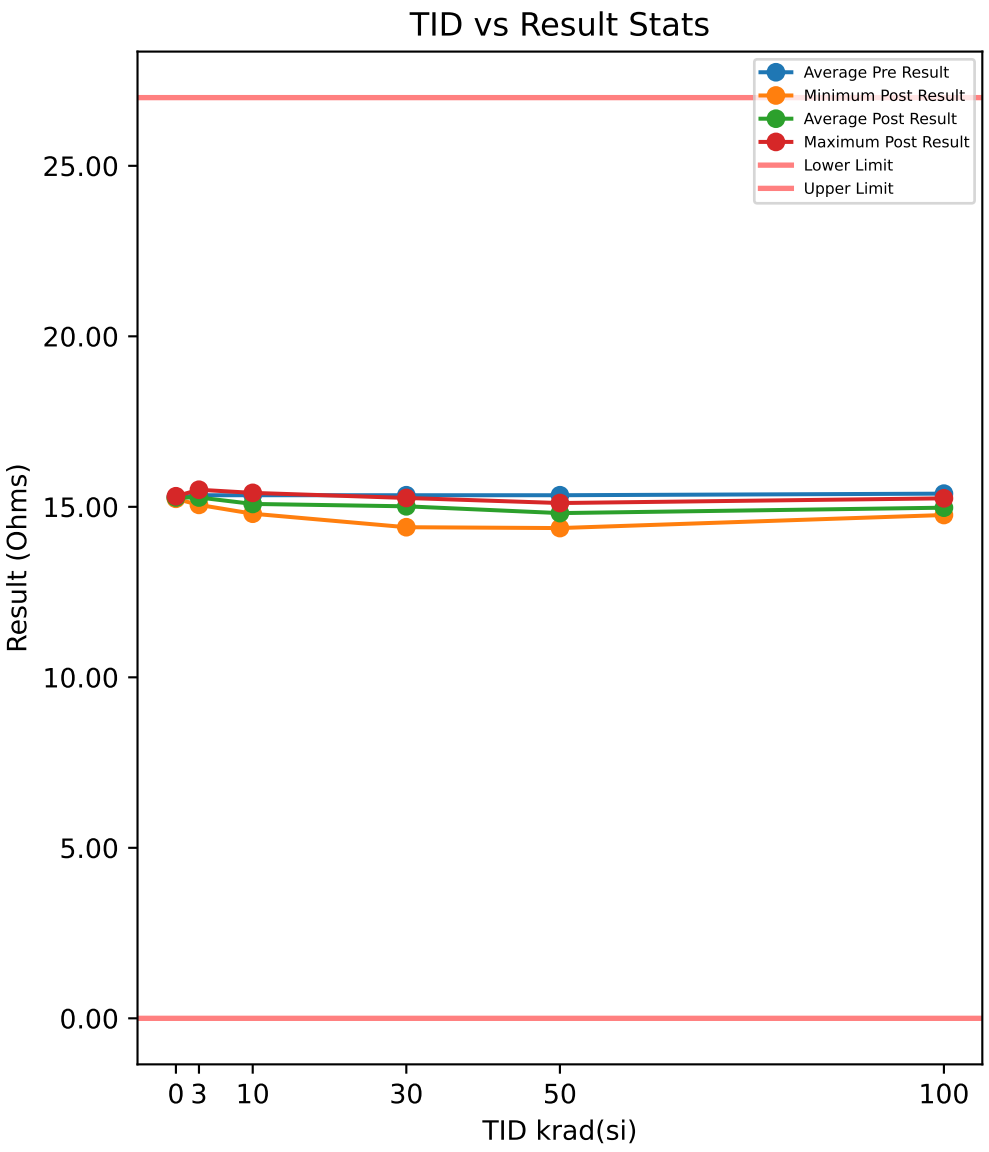

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.201 | 15.201 | 0 |
| 7 | 0 | Correlation | 15.02 | 15.02 | 0 |
| 16 | 3 | LDR-Biased | 15.203 | 14.903 | -0.3 |
| 18 | 3 | LDR-Biased | 15.222 | 14.979 | -0.243 |
| 19 | 3 | LDR-Biased | 15.078 | 15.282 | 0.204 |
| 20 | 3 | LDR-Biased | 15.163 | 14.952 | -0.211 |
| 21 | 3 | LDR-Biased | 15.344 | 15.359 | 0.015 |
| 22 | 3 | LDR-Unbiased | 15.099 | 15.292 | 0.193 |
| 23 | 3 | LDR-Unbiased | 15.208 | 15.196 | -0.012 |
| 25 | 3 | LDR-Unbiased | 15.163 | 14.956 | -0.207 |
| 26 | 3 | LDR-Unbiased | 15.296 | 15.155 | -0.141 |
| 27 | 3 | LDR-Unbiased | 15.212 | 15.327 | 0.115 |
| 46 | 10 | LDR-Biased | 15.203 | 14.657 | -0.546 |
| 48 | 10 | LDR-Biased | 15.222 | 14.705 | -0.517 |
| 49 | 10 | LDR-Biased | 15.078 | 14.992 | -0.086 |
| 50 | 10 | LDR-Biased | 15.163 | 14.708 | -0.455 |
| 51 | 10 | LDR-Biased | 15.344 | 15.069 | -0.275 |
| 52 | 10 | LDR-Unbiased | 15.099 | 15.218 | 0.119 |
| 53 | 10 | LDR-Unbiased | 15.208 | 15.126 | -0.082 |
| 55 | 10 | LDR-Unbiased | 15.163 | 14.888 | -0.275 |
| 56 | 10 | LDR-Unbiased | 15.296 | 15.079 | -0.217 |
| 57 | 10 | LDR-Unbiased | 15.212 | 15.225 | 0.013 |
| 76 | 30 | LDR-Biased | 15.203 | 14.631 | -0.572 |
| 78 | 30 | LDR-Biased | 15.222 | 14.207 | -1.015 |
| 79 | 30 | LDR-Biased | 15.078 | 14.99 | -0.088 |
| 80 | 30 | LDR-Biased | 15.163 | 14.712 | -0.451 |
| 81 | 30 | LDR-Biased | 15.344 | 15.008 | -0.336 |
| 82 | 30 | LDR-Unbiased | 15.099 | 15.024 | -0.075 |
| 83 | 30 | LDR-Unbiased | 15.208 | 14.938 | -0.27 |
| 84 | 30 | LDR-Unbiased | 15.212 | 15.039 | -0.173 |
| 85 | 30 | LDR-Unbiased | 15.163 | 14.697 | -0.466 |
| 86 | 30 | LDR-Unbiased | 15.296 | 14.891 | -0.405 |
| 87 | 100 | LDR-Biased | 15.401 | 14.769 | -0.632 |
| 88 | 100 | LDR-Biased | 15.261 | 15.143 | -0.118 |
| 90 | 100 | LDR-Biased | 15.242 | 15.147 | -0.095 |
| 91 | 100 | LDR-Unbiased | 15.073 | 14.593 | -0.48 |
| 93 | 100 | LDR-Unbiased | 15.355 | 14.769 | -0.586 |
| 94 | 100 | LDR-Unbiased | 15.229 | 14.886 | -0.343 |
| 95 | 100 | LDR-Unbiased | 15.14 | 14.792 | -0.348 |
| 96 | 100 | LDR-Unbiased | 15.218 | 14.676 | -0.542 |
| 106 | 50 | LDR-Biased | 15.203 | 14.497 | -0.706 |
| 108 | 50 | LDR-Biased | 15.222 | 14.563 | -0.659 |
| 109 | 50 | LDR-Biased | 15.078 | 14.878 | -0.2 |
| 110 | 50 | LDR-Biased | 15.163 | 14.263 | -0.9 |
| 111 | 50 | LDR-Biased | 15.344 | 14.949 | -0.395 |
| 112 | 50 | LDR-Unbiased | 15.099 | 14.975 | -0.124 |
| 113 | 50 | LDR-Unbiased | 15.208 | 14.888 | -0.32 |
| 115 | 50 | LDR-Unbiased | 15.163 | 14.646 | -0.517 |
| 116 | 50 | LDR-Unbiased | 15.296 | 14.864 | -0.432 |
| 117 | 50 | LDR-Unbiased | 15.212 | 14.997 | -0.215 |

Test Statistics (Ohms)

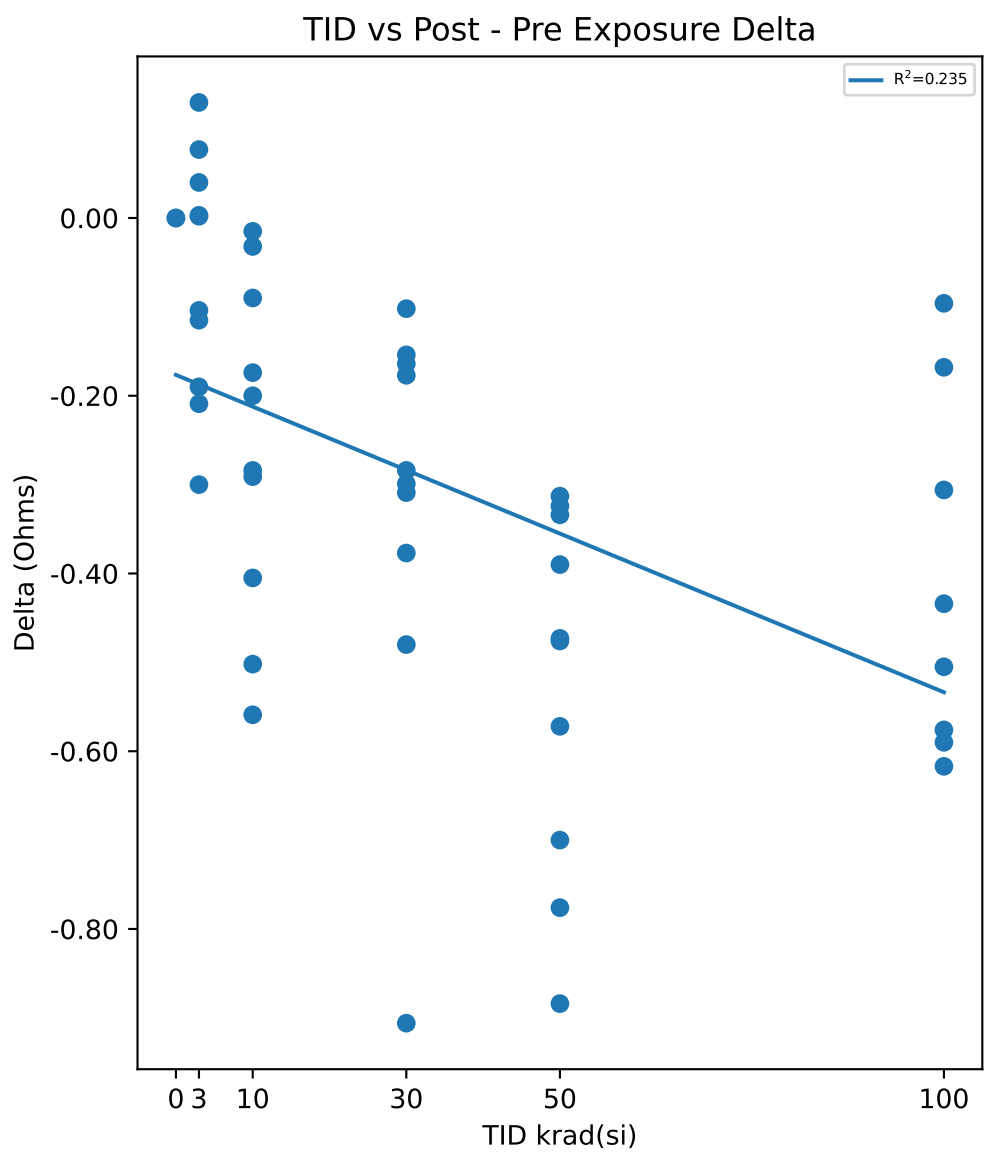
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.02 | 15.111 | 15.201 | 0.12799 | 15.02 | 15.111 | 15.201 | 0.12799 | 0 | 0 | 0 | 0 |
| 3 | 15.078 | 15.199 | 15.344 | 0.080596 | 14.903 | 15.14 | 15.359 | 0.17665 | -0.3 | -0.0587 | 0.204 | 0.18688 |
| 10 | 15.078 | 15.199 | 15.344 | 0.080596 | 14.657 | 14.967 | 15.225 | 0.21512 | -0.546 | -0.2321 | 0.119 | 0.2262 |
| 30 | 15.078 | 15.199 | 15.344 | 0.080596 | 14.207 | 14.814 | 15.039 | 0.26049 | -1.015 | -0.3851 | -0.075 | 0.2765 |
| 50 | 15.078 | 15.199 | 15.344 | 0.080596 | 14.263 | 14.752 | 14.997 | 0.24644 | -0.9 | -0.4468 | -0.124 | 0.24952 |
| 100 | 15.073 | 15.24 | 15.401 | 0.10562 | 14.593 | 14.847 | 15.147 | 0.20287 | -0.632 | -0.393 | -0.095 | 0.20462 |

# Device Test: 18.29 Res_PD_SEQ/SEQ_DONE/1.6/3/0/0/2/@SEQDONE_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

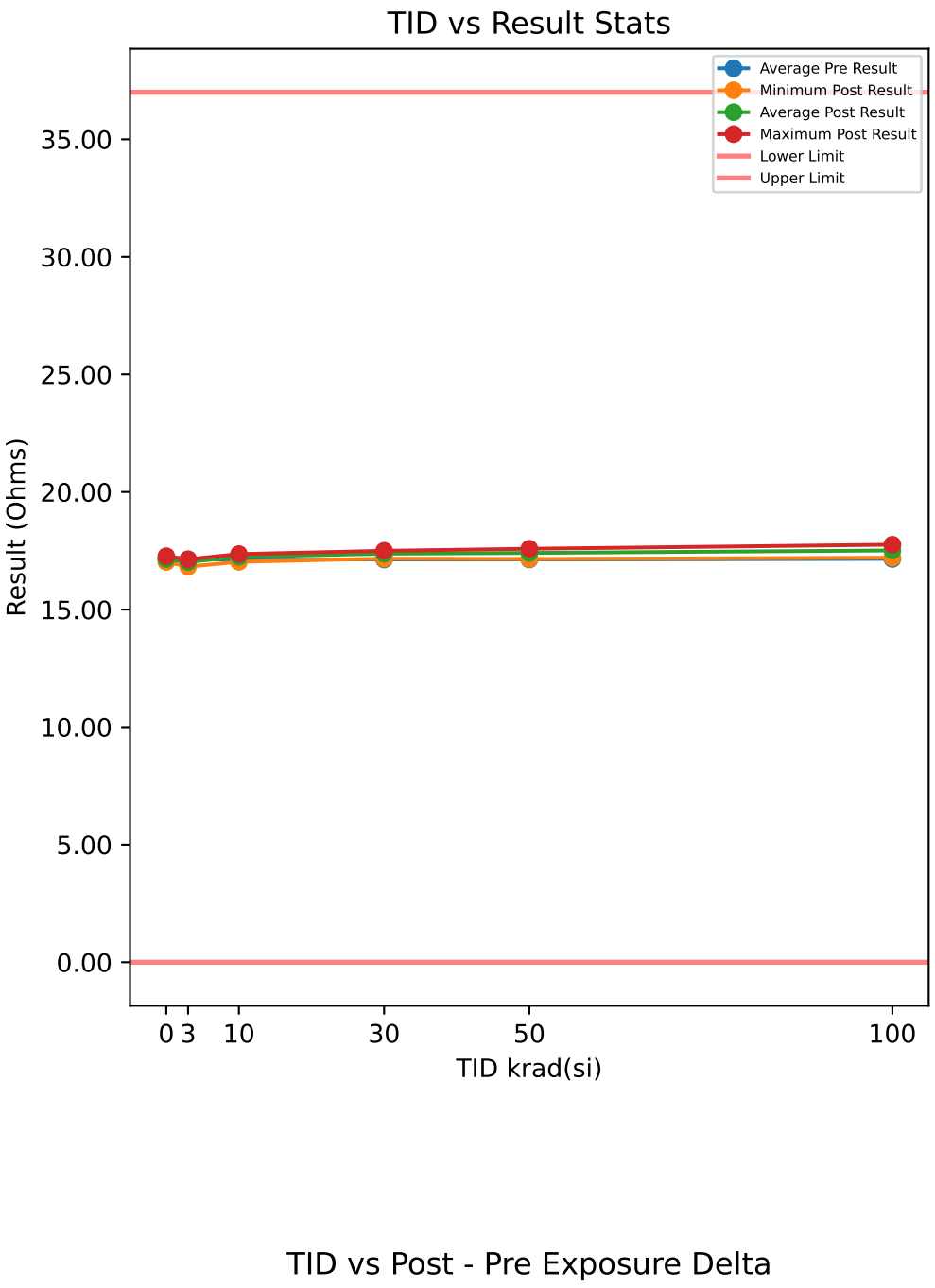
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.31 | 15.31 | 0 |
| 7 | 0 | Correlation | 15.235 | 15.235 | 0 |
| 16 | 3 | LDR-Biased | 15.357 | 15.057 | -0.3 |
| 18 | 3 | LDR-Biased | 15.308 | 15.099 | -0.209 |
| 19 | 3 | LDR-Biased | 15.302 | 15.432 | 0.13 |
| 20 | 3 | LDR-Biased | 15.261 | 15.146 | -0.115 |
| 21 | 3 | LDR-Biased | 15.46 | 15.462 | 0.002 |
| 22 | 3 | LDR-Unbiased | 15.278 | 15.318 | 0.04 |
| 23 | 3 | LDR-Unbiased | 15.316 | 15.319 | 0.003 |
| 25 | 3 | LDR-Unbiased | 15.314 | 15.124 | -0.19 |
| 26 | 3 | LDR-Unbiased | 15.38 | 15.276 | -0.104 |
| 27 | 3 | LDR-Unbiased | 15.424 | 15.501 | 0.077 |
| 46 | 10 | LDR-Biased | 15.357 | 14.798 | -0.559 |
| 48 | 10 | LDR-Biased | 15.308 | 14.806 | -0.502 |
| 49 | 10 | LDR-Biased | 15.302 | 15.128 | -0.174 |
| 50 | 10 | LDR-Biased | 15.261 | 14.856 | -0.405 |
| 51 | 10 | LDR-Biased | 15.46 | 15.169 | -0.291 |
| 52 | 10 | LDR-Unbiased | 15.278 | 15.246 | -0.032 |
| 53 | 10 | LDR-Unbiased | 15.316 | 15.226 | -0.09 |
| 55 | 10 | LDR-Unbiased | 15.314 | 15.03 | -0.284 |
| 56 | 10 | LDR-Unbiased | 15.38 | 15.18 | -0.2 |
| 57 | 10 | LDR-Unbiased | 15.424 | 15.409 | -0.015 |
| 76 | 30 | LDR-Biased | 15.357 | 14.877 | -0.48 |
| 78 | 30 | LDR-Biased | 15.308 | 14.402 | -0.906 |
| 79 | 30 | LDR-Biased | 15.302 | 15.2 | -0.102 |
| 80 | 30 | LDR-Biased | 15.261 | 14.962 | -0.299 |
| 81 | 30 | LDR-Biased | 15.46 | 15.176 | -0.284 |
| 82 | 30 | LDR-Unbiased | 15.278 | 15.124 | -0.154 |
| 83 | 30 | LDR-Unbiased | 15.316 | 15.139 | -0.177 |
| 84 | 30 | LDR-Unbiased | 15.424 | 15.26 | -0.164 |
| 85 | 30 | LDR-Unbiased | 15.314 | 14.937 | -0.377 |
| 86 | 30 | LDR-Unbiased | 15.38 | 15.071 | -0.309 |
| 87 | 100 | LDR-Biased | 15.449 | 14.873 | -0.576 |
| 88 | 100 | LDR-Biased | 15.415 | 15.247 | -0.168 |
| 90 | 100 | LDR-Biased | 15.345 | 15.249 | -0.096 |
| 91 | 100 | LDR-Unbiased | 15.265 | 14.76 | -0.505 |
| 93 | 100 | LDR-Unbiased | 15.479 | 14.862 | -0.617 |
| 94 | 100 | LDR-Unbiased | 15.373 | 15.067 | -0.306 |
| 95 | 100 | LDR-Unbiased | 15.33 | 14.896 | -0.434 |
| 96 | 100 | LDR-Unbiased | 15.435 | 14.845 | -0.59 |
| 106 | 50 | LDR-Biased | 15.357 | 14.581 | -0.776 |
| 108 | 50 | LDR-Biased | 15.308 | 14.608 | -0.7 |
| 109 | 50 | LDR-Biased | 15.302 | 14.968 | -0.334 |
| 110 | 50 | LDR-Biased | 15.261 | 14.377 | -0.884 |
| 111 | 50 | LDR-Biased | 15.46 | 14.987 | -0.473 |
| 112 | 50 | LDR-Unbiased | 15.278 | 14.954 | -0.324 |
| 113 | 50 | LDR-Unbiased | 15.316 | 14.926 | -0.39 |
| 115 | 50 | LDR-Unbiased | 15.314 | 14.742 | -0.572 |
| 116 | 50 | LDR-Unbiased | 15.38 | 14.904 | -0.476 |
| 117 | 50 | LDR-Unbiased | 15.424 | 15.111 | -0.313 |

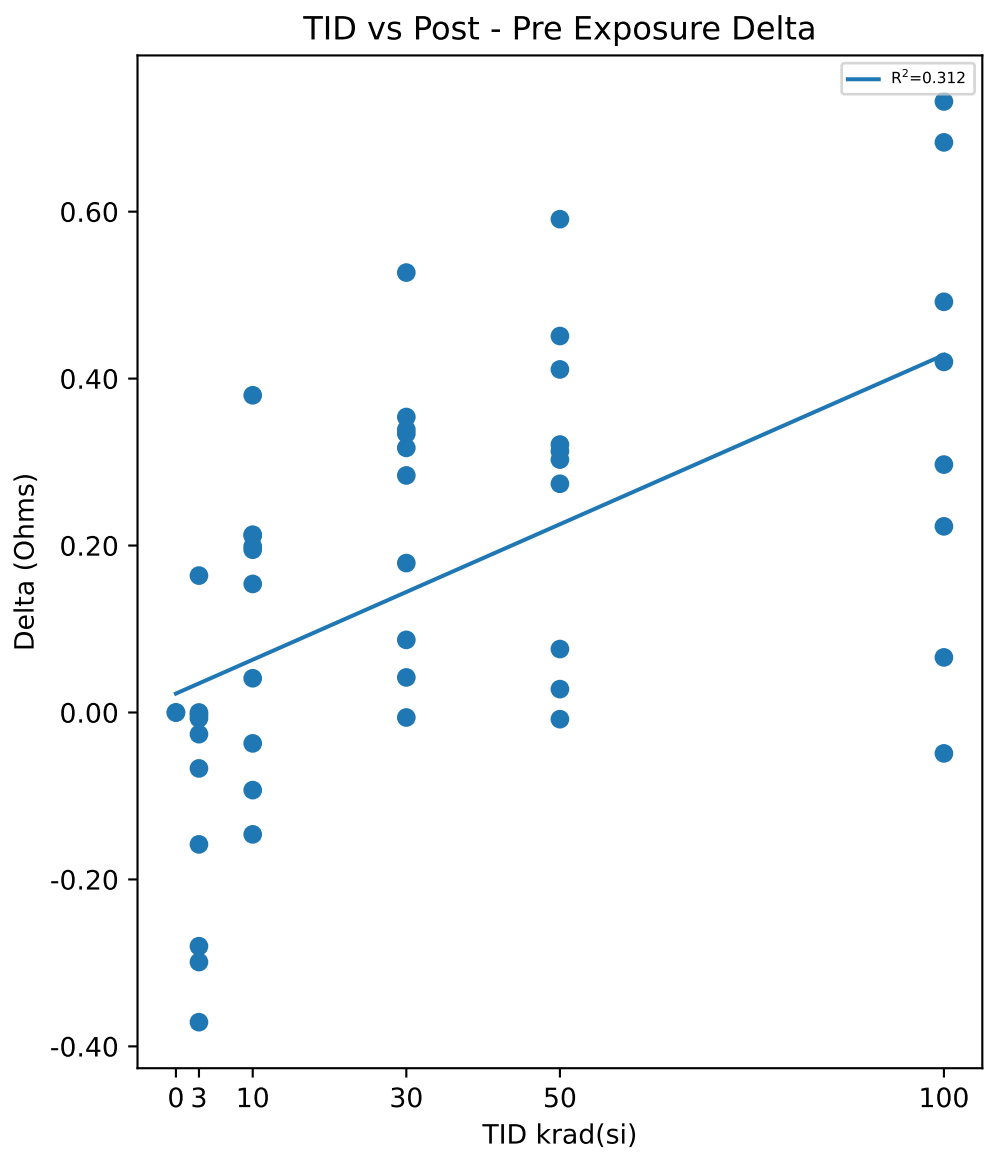



Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.235 | 15.273 | 15.31 | 0.053033 | 15.235 | 15.273 | 15.31 | 0.053033 | 0 | 0 | 0 | 0 |
| 3 | 15.261 | 15.34 | 15.46 | 0.064248 | 15.057 | 15.273 | 15.501 | 0.16069 | -0.3 | -0.0666 | 0.13 | 0.13901 |
| 10 | 15.261 | 15.34 | 15.46 | 0.064248 | 14.798 | 15.085 | 15.409 | 0.20666 | -0.559 | -0.2552 | -0.015 | 0.18921 |
| 30 | 15.261 | 15.34 | 15.46 | 0.064248 | 14.402 | 15.015 | 15.26 | 0.24816 | -0.906 | -0.3252 | -0.102 | 0.23421 |
| 50 | 15.261 | 15.34 | 15.46 | 0.064248 | 14.377 | 14.816 | 15.111 | 0.22972 | -0.884 | -0.5242 | -0.313 | 0.20272 |
| 100 | 15.265 | 15.386 | 15.479 | 0.0712 | 14.76 | 14.975 | 15.249 | 0.18901 | -0.617 | -0.4115 | -0.096 | 0.20013 |

# Device Test: 18.3 Res_PU_EN4/EN4/1.6/3/0/0/2/@EN_RPMOS_LOW_V



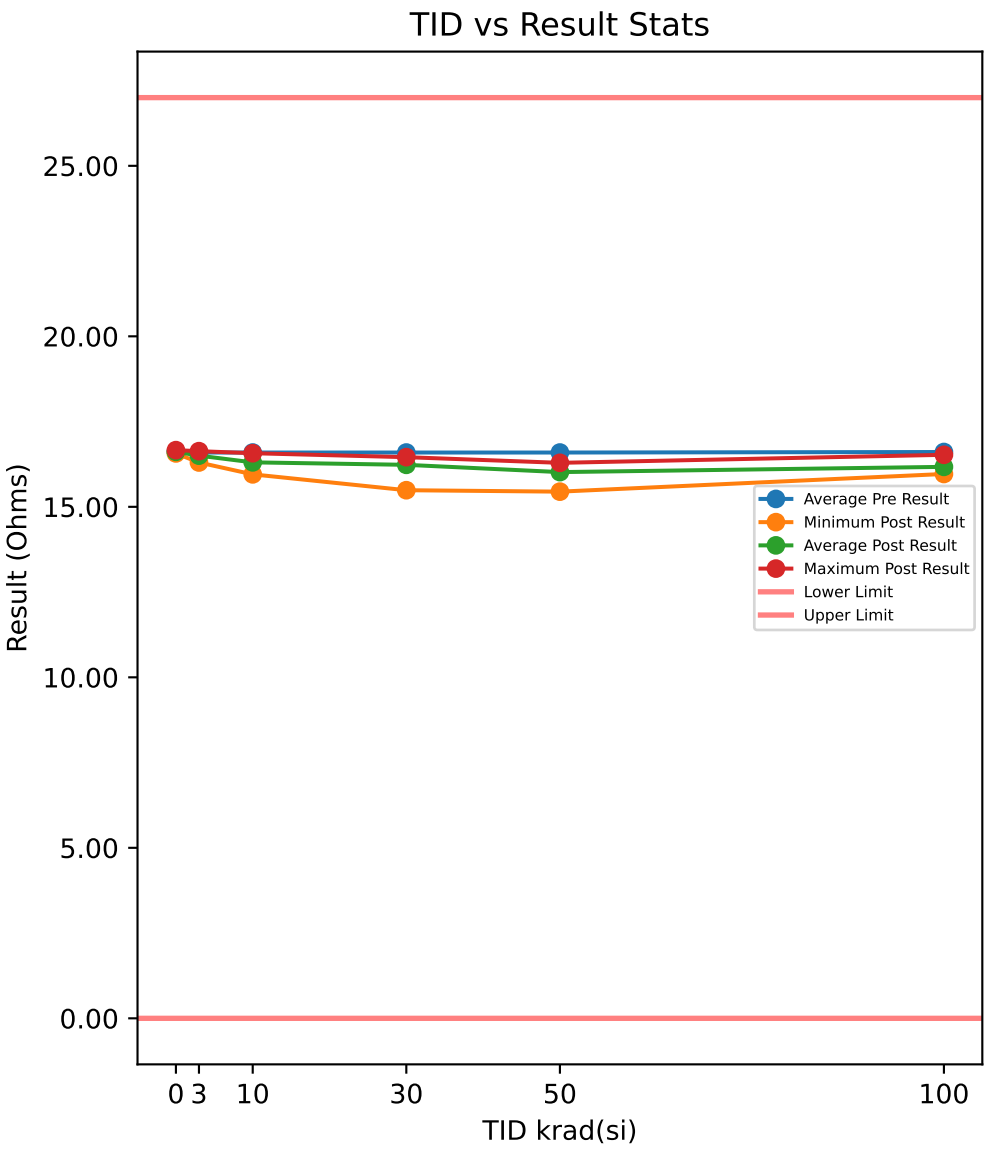

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 17.27 | 17.27 | 0 |
| 7 | 0 | Correlation | 17.026 | 17.026 | 0 |
| 16 | 3 | LDR-Biased | 17.178 | 16.898 | -0.28 |
| 18 | 3 | LDR-Biased | 17.105 | 17.038 | -0.067 |
| 19 | 3 | LDR-Biased | 17.091 | 17.091 | 0 |
| 20 | 3 | LDR-Biased | 17.125 | 16.826 | -0.299 |
| 21 | 3 | LDR-Biased | 17.036 | 17.029 | -0.007 |
| 22 | 3 | LDR-Unbiased | 17.345 | 16.974 | -0.371 |
| 23 | 3 | LDR-Unbiased | 16.965 | 17.129 | 0.164 |
| 25 | 3 | LDR-Unbiased | 17.165 | 17.139 | -0.026 |
| 26 | 3 | LDR-Unbiased | 17.135 | 17.132 | -0.003 |
| 27 | 3 | LDR-Unbiased | 17.176 | 17.018 | -0.158 |
| 46 | 10 | LDR-Biased | 17.178 | 17.141 | -0.037 |
| 48 | 10 | LDR-Biased | 17.105 | 17.259 | 0.154 |
| 49 | 10 | LDR-Biased | 17.091 | 17.29 | 0.199 |
| 50 | 10 | LDR-Biased | 17.125 | 17.032 | -0.093 |
| 51 | 10 | LDR-Biased | 17.036 | 17.249 | 0.213 |
| 52 | 10 | LDR-Unbiased | 17.345 | 17.199 | -0.146 |
| 53 | 10 | LDR-Unbiased | 16.965 | 17.345 | 0.38 |
| 55 | 10 | LDR-Unbiased | 17.165 | 17.36 | 0.195 |
| 56 | 10 | LDR-Unbiased | 17.135 | 17.347 | 0.212 |
| 57 | 10 | LDR-Unbiased | 17.176 | 17.217 | 0.041 |
| 76 | 30 | LDR-Biased | 17.178 | 17.265 | 0.087 |
| 78 | 30 | LDR-Biased | 17.105 | 17.422 | 0.317 |
| 79 | 30 | LDR-Biased | 17.091 | 17.43 | 0.339 |
| 80 | 30 | LDR-Biased | 17.125 | 17.167 | 0.042 |
| 81 | 30 | LDR-Biased | 17.036 | 17.32 | 0.284 |
| 82 | 30 | LDR-Unbiased | 17.345 | 17.339 | -0.006 |
| 83 | 30 | LDR-Unbiased | 16.965 | 17.492 | 0.527 |
| 84 | 30 | LDR-Unbiased | 17.176 | 17.355 | 0.179 |
| 85 | 30 | LDR-Unbiased | 17.165 | 17.499 | 0.334 |
| 86 | 30 | LDR-Unbiased | 17.135 | 17.489 | 0.354 |
| 87 | 100 | LDR-Biased | 17.02 | 17.752 | 0.732 |
| 88 | 100 | LDR-Biased | 17.255 | 17.206 | -0.049 |
| 90 | 100 | LDR-Biased | 17.157 | 17.223 | 0.066 |
| 91 | 100 | LDR-Unbiased | 17.339 | 17.759 | 0.42 |
| 93 | 100 | LDR-Unbiased | 17.044 | 17.727 | 0.683 |
| 94 | 100 | LDR-Unbiased | 17.221 | 17.444 | 0.223 |
| 95 | 100 | LDR-Unbiased | 17.029 | 17.521 | 0.492 |
| 96 | 100 | LDR-Unbiased | 17.183 | 17.48 | 0.297 |
| 106 | 50 | LDR-Biased | 17.178 | 17.17 | -0.008 |
| 108 | 50 | LDR-Biased | 17.105 | 17.408 | 0.303 |
| 109 | 50 | LDR-Biased | 17.091 | 17.404 | 0.313 |
| 110 | 50 | LDR-Biased | 17.125 | 17.153 | 0.028 |
| 111 | 50 | LDR-Biased | 17.036 | 17.357 | 0.321 |
| 112 | 50 | LDR-Unbiased | 17.345 | 17.421 | 0.076 |
| 113 | 50 | LDR-Unbiased | 16.965 | 17.556 | 0.591 |
| 115 | 50 | LDR-Unbiased | 17.165 | 17.576 | 0.411 |
| 116 | 50 | LDR-Unbiased | 17.135 | 17.586 | 0.451 |
| 117 | 50 | LDR-Unbiased | 17.176 | 17.45 | 0.274 |

Test Statistics (Ohms)

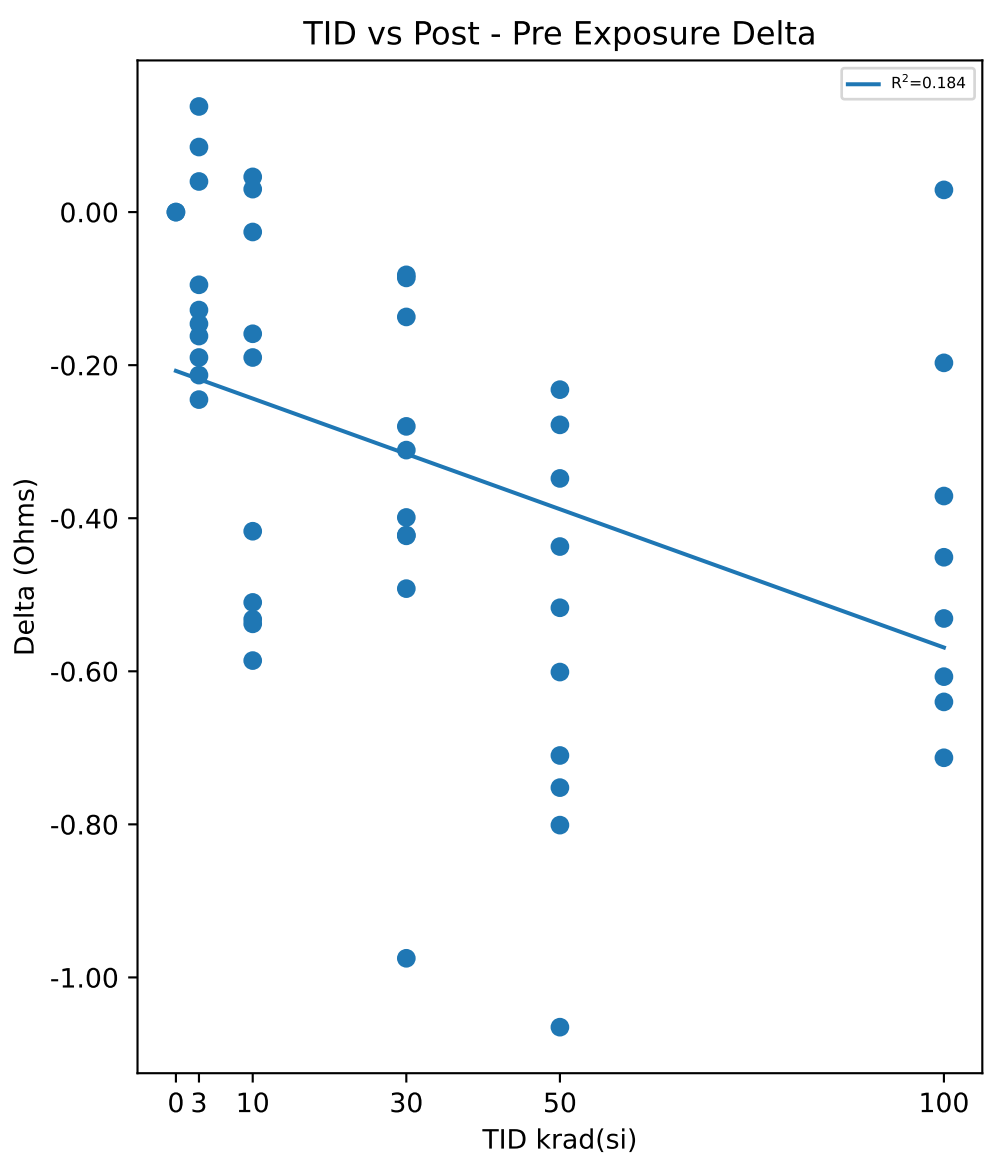
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.026 | 17.148 | 17.27 | 0.17253 | 17.026 | 17.148 | 17.27 | 0.17253 | 0 | 0 | 0 | 0 |
| 3 | 16.965 | 17.132 | 17.345 | 0.10005 | 16.826 | 17.027 | 17.139 | 0.10442 | -0.371 | -0.1047 | 0.164 | 0.16763 |
| 10 | 16.965 | 17.132 | 17.345 | 0.10005 | 17.032 | 17.244 | 17.36 | 0.10271 | -0.146 | 0.1118 | 0.38 | 0.16468 |
| 30 | 16.965 | 17.132 | 17.345 | 0.10005 | 17.167 | 17.378 | 17.499 | 0.10919 | -0.006 | 0.2457 | 0.527 | 0.16613 |
| 50 | 16.965 | 17.132 | 17.345 | 0.10005 | 17.153 | 17.408 | 17.586 | 0.15203 | -0.008 | 0.276 | 0.591 | 0.19275 |
| 100 | 17.02 | 17.156 | 17.339 | 0.11675 | 17.206 | 17.514 | 17.759 | 0.22287 | -0.049 | 0.358 | 0.732 | 0.27779 |

# Device Test: 18.30 Res_PD_EN1/EN1/1.6/14/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

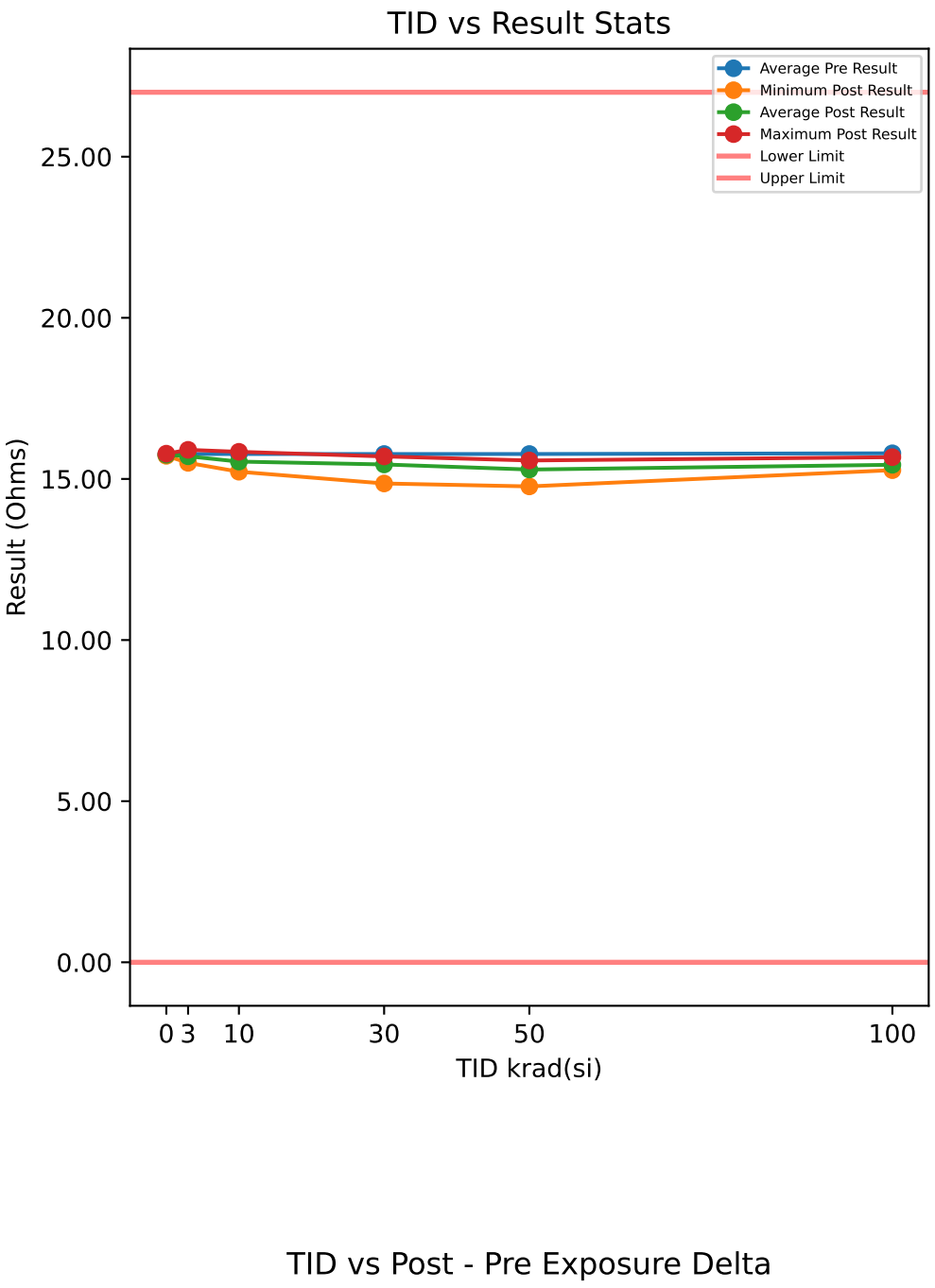
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 16.566 | 16.566 | 0 |
| 7 | 0 | Correlation | 16.662 | 16.662 | 0 |
| 16 | 3 | LDR-Biased | 16.65 | 16.437 | -0.213 |
| 18 | 3 | LDR-Biased | 16.462 | 16.3 | -0.162 |
| 19 | 3 | LDR-Biased | 16.625 | 16.38 | -0.245 |
| 20 | 3 | LDR-Biased | 16.51 | 16.32 | -0.19 |
| 21 | 3 | LDR-Biased | 16.723 | 16.577 | -0.146 |
| 22 | 3 | LDR-Unbiased | 16.542 | 16.627 | 0.085 |
| 23 | 3 | LDR-Unbiased | 16.524 | 16.564 | 0.04 |
| 25 | 3 | LDR-Unbiased | 16.678 | 16.55 | -0.128 |
| 26 | 3 | LDR-Unbiased | 16.727 | 16.632 | -0.095 |
| 27 | 3 | LDR-Unbiased | 16.482 | 16.62 | 0.138 |
| 46 | 10 | LDR-Biased | 16.65 | 16.118 | -0.532 |
| 48 | 10 | LDR-Biased | 16.462 | 15.952 | -0.51 |
| 49 | 10 | LDR-Biased | 16.625 | 16.039 | -0.586 |
| 50 | 10 | LDR-Biased | 16.51 | 15.972 | -0.538 |
| 51 | 10 | LDR-Biased | 16.723 | 16.306 | -0.417 |
| 52 | 10 | LDR-Unbiased | 16.542 | 16.572 | 0.03 |
| 53 | 10 | LDR-Unbiased | 16.524 | 16.498 | -0.026 |
| 55 | 10 | LDR-Unbiased | 16.678 | 16.488 | -0.19 |
| 56 | 10 | LDR-Unbiased | 16.727 | 16.568 | -0.159 |
| 57 | 10 | LDR-Unbiased | 16.482 | 16.528 | 0.046 |
| 76 | 30 | LDR-Biased | 16.65 | 16.227 | -0.423 |
| 78 | 30 | LDR-Biased | 16.462 | 15.487 | -0.975 |
| 79 | 30 | LDR-Biased | 16.625 | 16.133 | -0.492 |
| 80 | 30 | LDR-Biased | 16.51 | 16.088 | -0.422 |
| 81 | 30 | LDR-Biased | 16.723 | 16.324 | -0.399 |
| 82 | 30 | LDR-Unbiased | 16.542 | 16.456 | -0.086 |
| 83 | 30 | LDR-Unbiased | 16.524 | 16.387 | -0.137 |
| 84 | 30 | LDR-Unbiased | 16.482 | 16.4 | -0.082 |
| 85 | 30 | LDR-Unbiased | 16.678 | 16.367 | -0.311 |
| 86 | 30 | LDR-Unbiased | 16.727 | 16.447 | -0.28 |
| 87 | 100 | LDR-Biased | 16.727 | 16.12 | -0.607 |
| 88 | 100 | LDR-Biased | 16.722 | 16.525 | -0.197 |
| 90 | 100 | LDR-Biased | 16.491 | 16.52 | 0.029 |
| 91 | 100 | LDR-Unbiased | 16.517 | 15.986 | -0.531 |
| 93 | 100 | LDR-Unbiased | 16.738 | 16.098 | -0.64 |
| 94 | 100 | LDR-Unbiased | 16.676 | 15.963 | -0.713 |
| 95 | 100 | LDR-Unbiased | 16.517 | 16.146 | -0.371 |
| 96 | 100 | LDR-Unbiased | 16.47 | 16.019 | -0.451 |
| 106 | 50 | LDR-Biased | 16.65 | 15.849 | -0.801 |
| 108 | 50 | LDR-Biased | 16.462 | 15.752 | -0.71 |
| 109 | 50 | LDR-Biased | 16.625 | 15.873 | -0.752 |
| 110 | 50 | LDR-Biased | 16.51 | 15.445 | -1.065 |
| 111 | 50 | LDR-Biased | 16.723 | 16.122 | -0.601 |
| 112 | 50 | LDR-Unbiased | 16.542 | 16.264 | -0.278 |
| 113 | 50 | LDR-Unbiased | 16.524 | 16.176 | -0.348 |
| 115 | 50 | LDR-Unbiased | 16.678 | 16.161 | -0.517 |
| 116 | 50 | LDR-Unbiased | 16.727 | 16.29 | -0.437 |
| 117 | 50 | LDR-Unbiased | 16.482 | 16.25 | -0.232 |

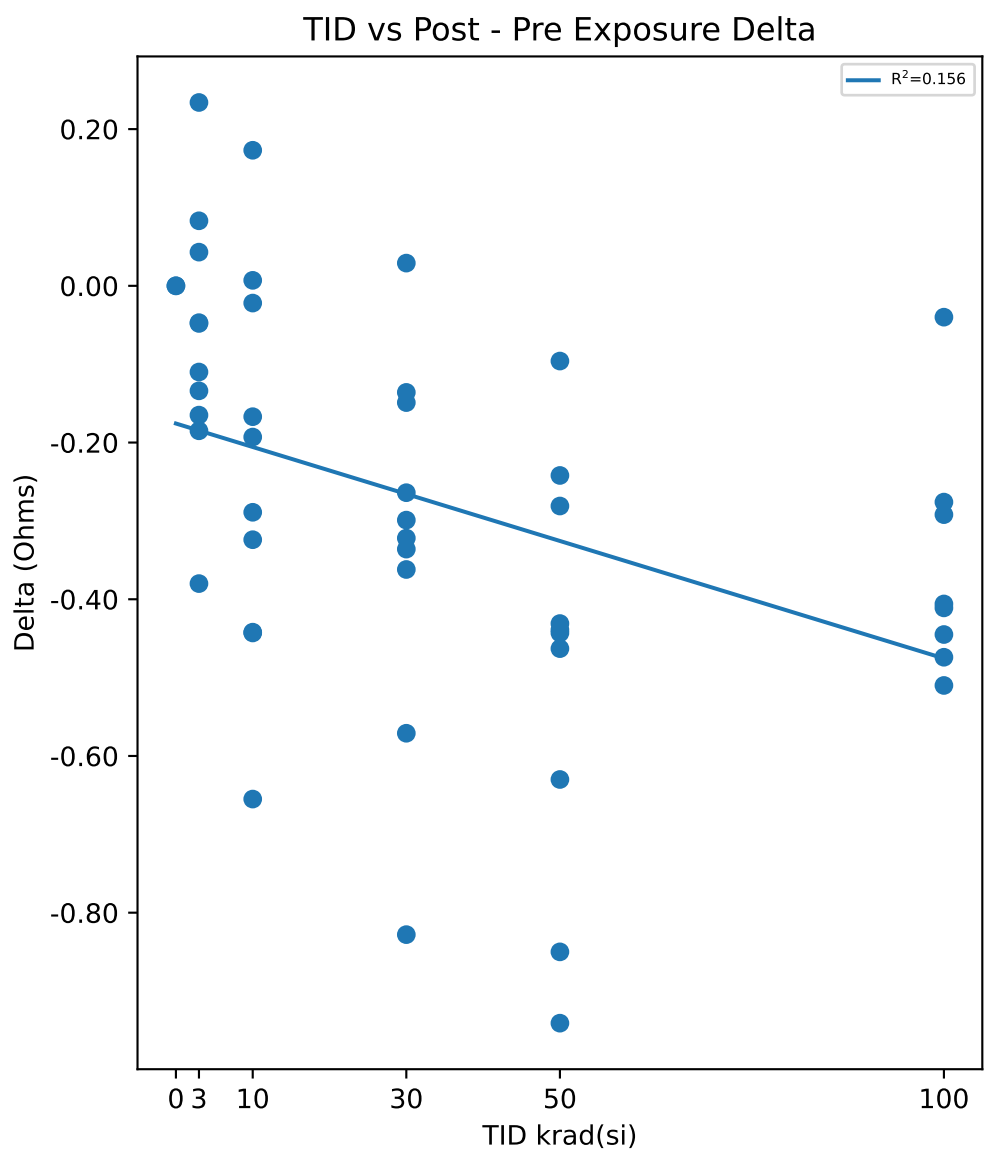



Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 16.566 | 16.614 | 16.662 | 0.067882 | 16.566 | 16.614 | 16.662 | 0.067882 | 0 | 0 | 0 | 0 |
| 3 | 16.462 | 16.592 | 16.727 | 0.10005 | 16.3 | 16.501 | 16.632 | 0.12963 | -0.245 | -0.0916 | 0.138 | 0.13268 |
| 10 | 16.462 | 16.592 | 16.727 | 0.10005 | 15.952 | 16.304 | 16.572 | 0.25866 | -0.586 | -0.2882 | 0.046 | 0.25481 |
| 30 | 16.462 | 16.592 | 16.727 | 0.10005 | 15.487 | 16.232 | 16.456 | 0.29077 | -0.975 | -0.3607 | -0.082 | 0.26159 |
| 50 | 16.462 | 16.592 | 16.727 | 0.10005 | 15.445 | 16.018 | 16.29 | 0.27753 | -1.065 | -0.5741 | -0.232 | 0.26272 |
| 100 | 16.47 | 16.607 | 16.738 | 0.1183 | 15.963 | 16.172 | 16.525 | 0.2256 | -0.713 | -0.43512 | 0.029 | 0.24911 |

# Device Test: 18.31 Res_PD_EN2/EN2/1.6/14/0/0/2/@EN_RNMOS_LOW_V



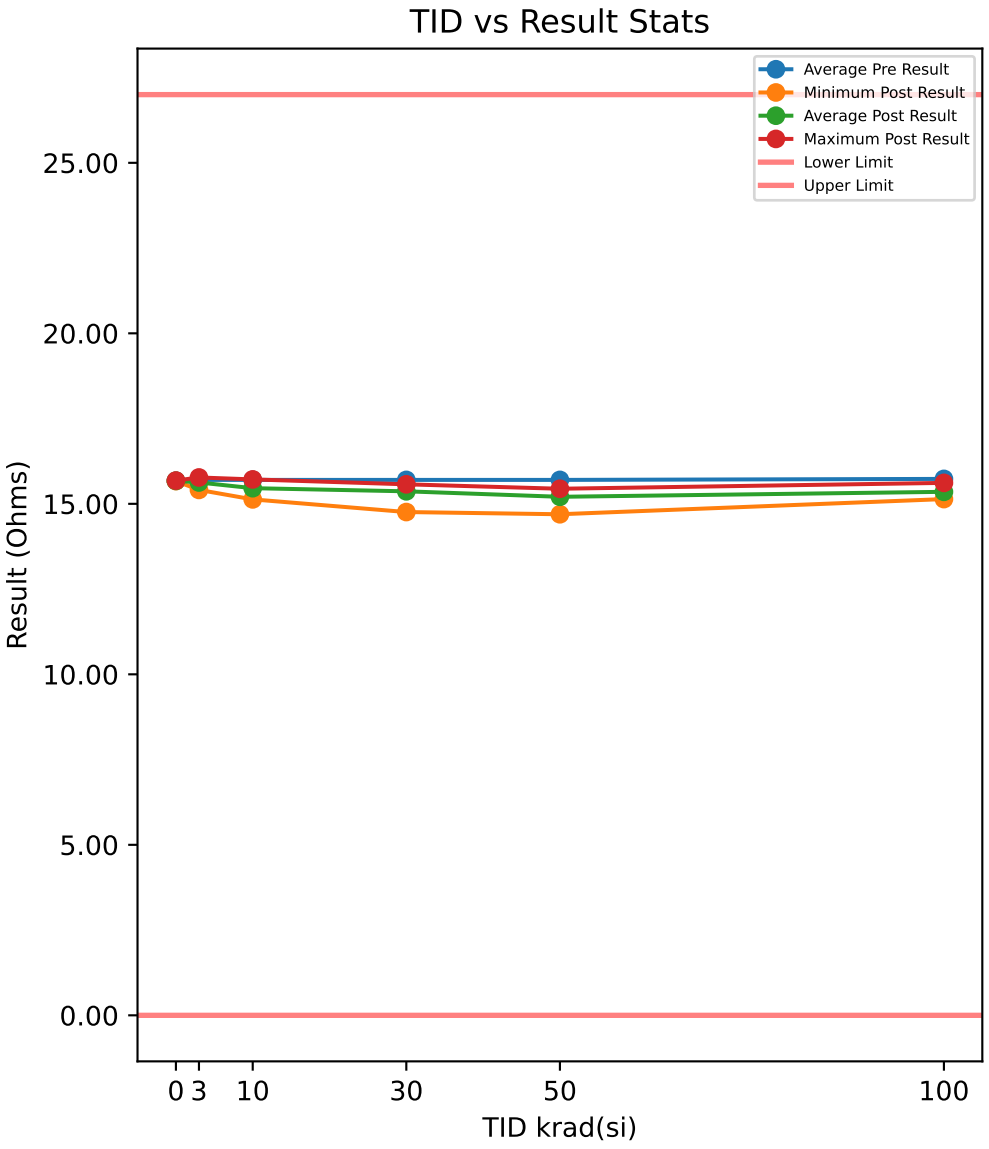

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

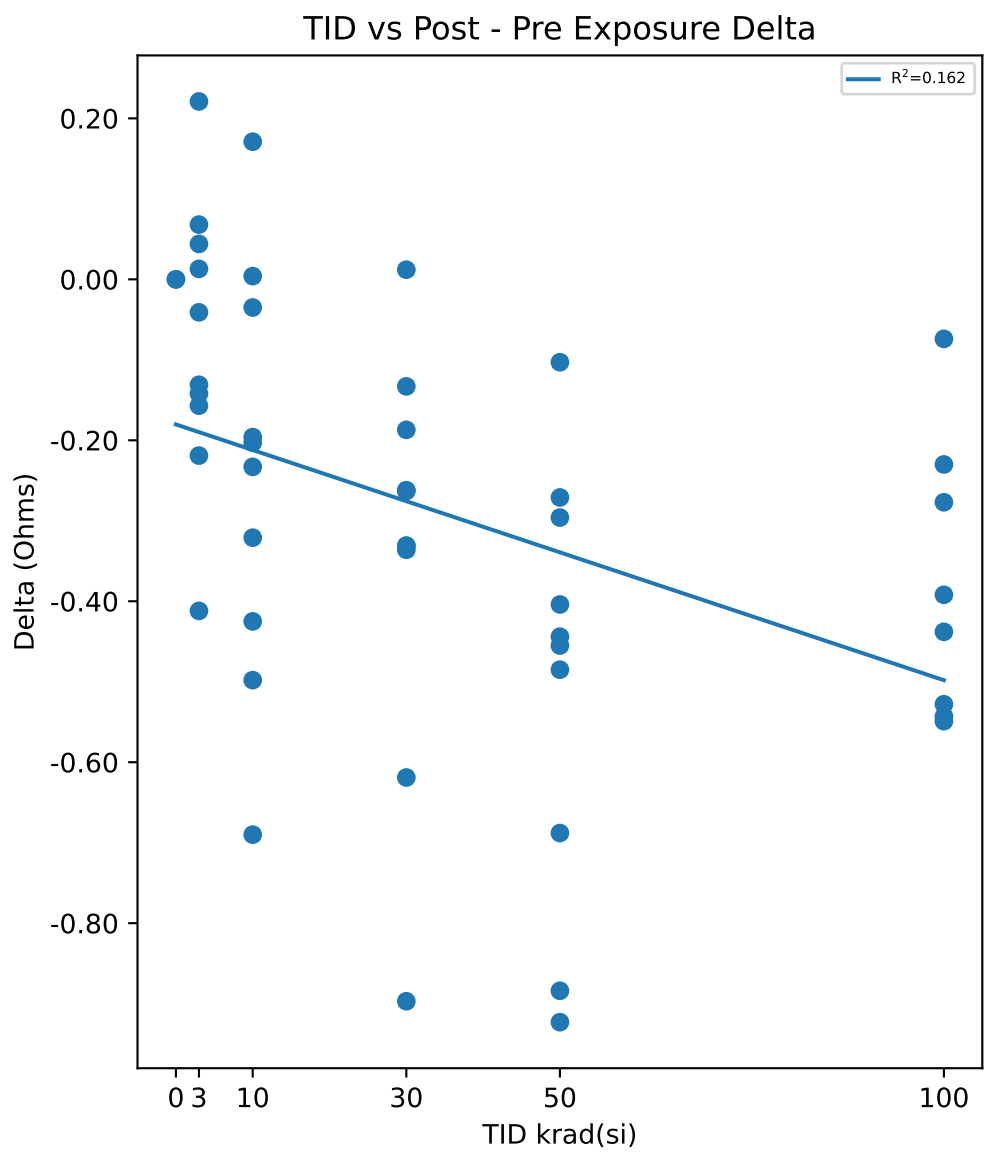
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.717 | 15.717 | 0 |
| 7 | 0 | Correlation | 15.784 | 15.784 | 0 |
| 16 | 3 | LDR-Biased | 15.879 | 15.499 | -0.38 |
| 18 | 3 | LDR-Biased | 15.687 | 15.522 | -0.165 |
| 19 | 3 | LDR-Biased | 15.799 | 15.751 | -0.048 |
| 20 | 3 | LDR-Biased | 15.709 | 15.524 | -0.185 |
| 21 | 3 | LDR-Biased | 15.845 | 15.798 | -0.047 |
| 22 | 3 | LDR-Unbiased | 15.669 | 15.903 | 0.234 |
| 23 | 3 | LDR-Unbiased | 15.782 | 15.825 | 0.043 |
| 25 | 3 | LDR-Unbiased | 15.766 | 15.656 | -0.11 |
| 26 | 3 | LDR-Unbiased | 15.895 | 15.761 | -0.134 |
| 27 | 3 | LDR-Unbiased | 15.703 | 15.786 | 0.083 |
| 46 | 10 | LDR-Biased | 15.879 | 15.224 | -0.655 |
| 48 | 10 | LDR-Biased | 15.687 | 15.244 | -0.443 |
| 49 | 10 | LDR-Biased | 15.799 | 15.475 | -0.324 |
| 50 | 10 | LDR-Biased | 15.709 | 15.267 | -0.442 |
| 51 | 10 | LDR-Biased | 15.845 | 15.556 | -0.289 |
| 52 | 10 | LDR-Unbiased | 15.669 | 15.842 | 0.173 |
| 53 | 10 | LDR-Unbiased | 15.782 | 15.76 | -0.022 |
| 55 | 10 | LDR-Unbiased | 15.766 | 15.599 | -0.167 |
| 56 | 10 | LDR-Unbiased | 15.895 | 15.702 | -0.193 |
| 57 | 10 | LDR-Unbiased | 15.703 | 15.71 | 0.007 |
| 76 | 30 | LDR-Biased | 15.879 | 15.308 | -0.571 |
| 78 | 30 | LDR-Biased | 15.687 | 14.859 | -0.828 |
| 79 | 30 | LDR-Biased | 15.799 | 15.535 | -0.264 |
| 80 | 30 | LDR-Biased | 15.709 | 15.347 | -0.362 |
| 81 | 30 | LDR-Biased | 15.845 | 15.523 | -0.322 |
| 82 | 30 | LDR-Unbiased | 15.669 | 15.698 | 0.029 |
| 83 | 30 | LDR-Unbiased | 15.782 | 15.633 | -0.149 |
| 84 | 30 | LDR-Unbiased | 15.703 | 15.567 | -0.136 |
| 85 | 30 | LDR-Unbiased | 15.766 | 15.467 | -0.299 |
| 86 | 30 | LDR-Unbiased | 15.895 | 15.559 | -0.336 |
| 87 | 100 | LDR-Biased | 15.836 | 15.362 | -0.474 |
| 88 | 100 | LDR-Biased | 15.964 | 15.672 | -0.292 |
| 90 | 100 | LDR-Biased | 15.715 | 15.675 | -0.04 |
| 91 | 100 | LDR-Unbiased | 15.678 | 15.272 | -0.406 |
| 93 | 100 | LDR-Unbiased | 15.862 | 15.417 | -0.445 |
| 94 | 100 | LDR-Unbiased | 15.922 | 15.412 | -0.51 |
| 95 | 100 | LDR-Unbiased | 15.678 | 15.402 | -0.276 |
| 96 | 100 | LDR-Unbiased | 15.709 | 15.298 | -0.411 |
| 106 | 50 | LDR-Biased | 15.879 | 15.029 | -0.85 |
| 108 | 50 | LDR-Biased | 15.687 | 15.057 | -0.63 |
| 109 | 50 | LDR-Biased | 15.799 | 15.336 | -0.463 |
| 110 | 50 | LDR-Biased | 15.709 | 14.768 | -0.941 |
| 111 | 50 | LDR-Biased | 15.845 | 15.406 | -0.439 |
| 112 | 50 | LDR-Unbiased | 15.669 | 15.573 | -0.096 |
| 113 | 50 | LDR-Unbiased | 15.782 | 15.501 | -0.281 |
| 115 | 50 | LDR-Unbiased | 15.766 | 15.335 | -0.431 |
| 116 | 50 | LDR-Unbiased | 15.895 | 15.452 | -0.443 |
| 117 | 50 | LDR-Unbiased | 15.703 | 15.461 | -0.242 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.717 | 15.751 | 15.784 | 0.047376 | 15.717 | 15.751 | 15.784 | 0.047376 | 0 | 0 | 0 | 0 |
| 3 | 15.669 | 15.773 | 15.895 | 0.081183 | 15.499 | 15.703 | 15.903 | 0.14341 | -0.38 | -0.0709 | 0.234 | 0.16788 |
| 10 | 15.669 | 15.773 | 15.895 | 0.081183 | 15.224 | 15.538 | 15.842 | 0.22722 | -0.655 | -0.2355 | 0.173 | 0.24724 |
| 30 | 15.669 | 15.773 | 15.895 | 0.081183 | 14.859 | 15.45 | 15.698 | 0.23885 | -0.828 | -0.3238 | 0.029 | 0.23838 |
| 50 | 15.669 | 15.773 | 15.895 | 0.081183 | 14.768 | 15.292 | 15.573 | 0.25659 | -0.941 | -0.4816 | -0.096 | 0.26275 |
| 100 | 15.678 | 15.796 | 15.964 | 0.11466 | 15.272 | 15.439 | 15.675 | 0.15412 | -0.51 | -0.35675 | -0.04 | 0.15186 |

# Device Test: 18.32 Res_PD_EN3/EN3/1.6/14/0/0/2/@EN_RNMOS_LOW_V



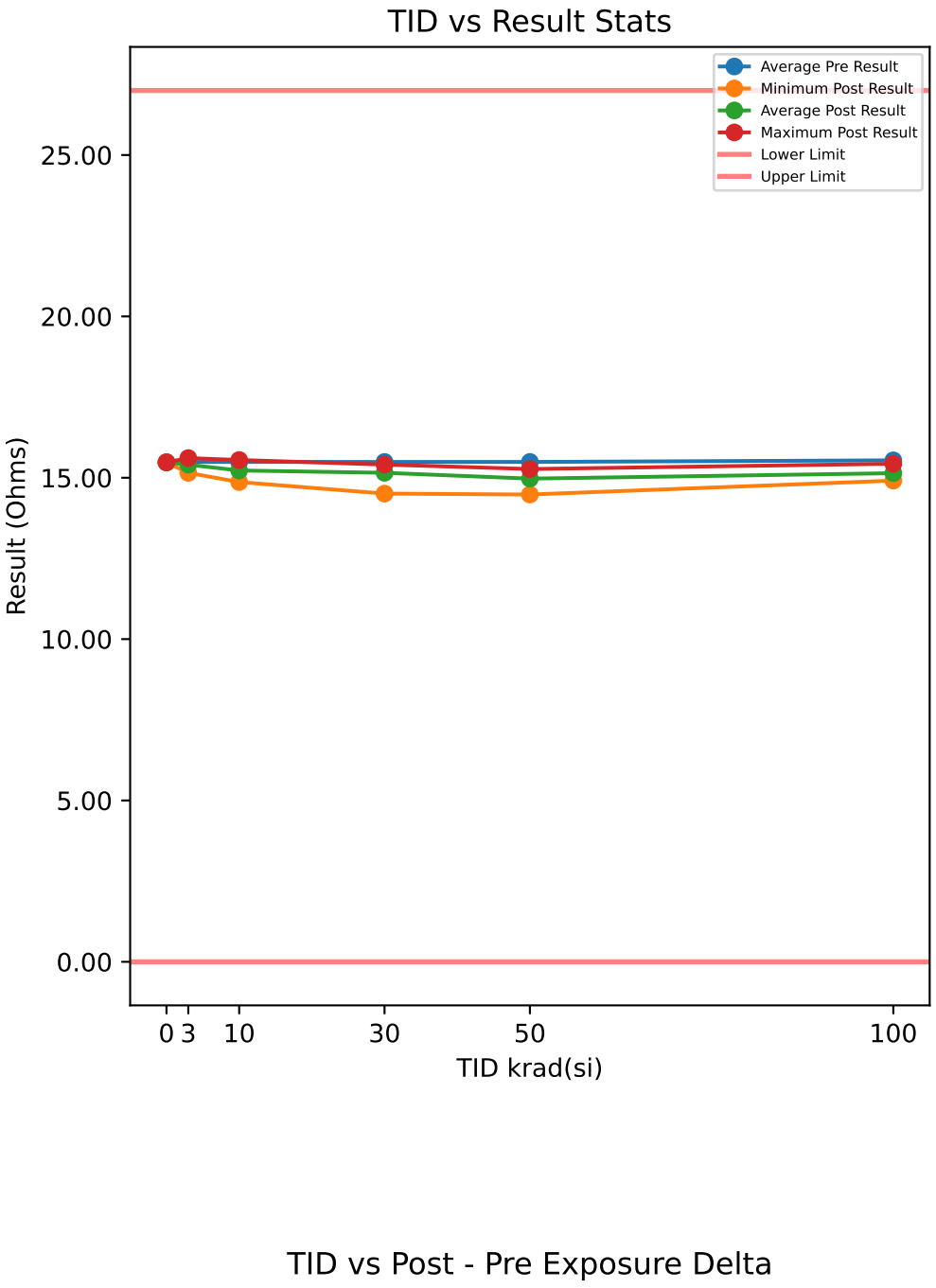

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

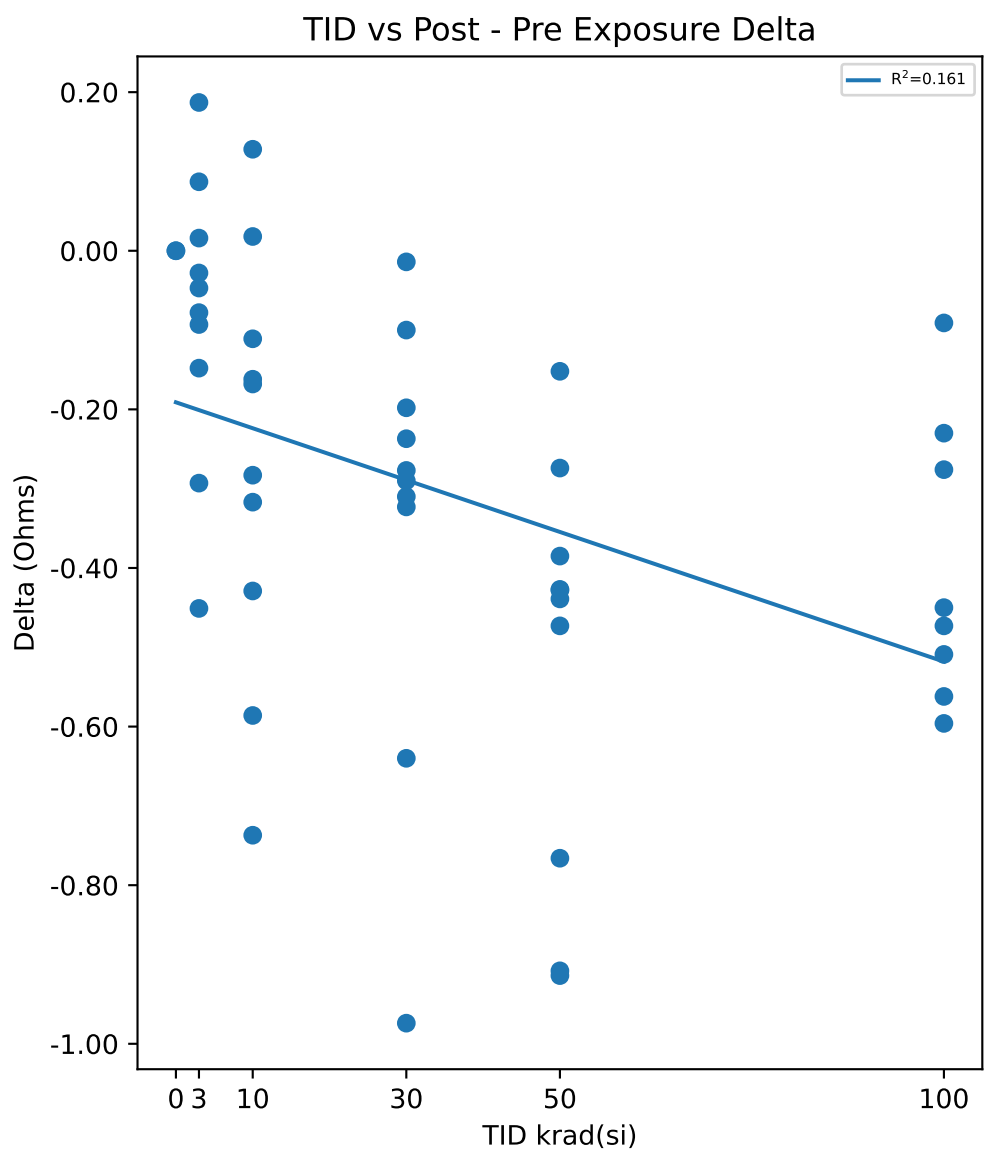
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.667 | 15.667 | 0 |
| 7 | 0 | Correlation | 15.682 | 15.682 | 0 |
| 16 | 3 | LDR-Biased | 15.82 | 15.408 | -0.412 |
| 18 | 3 | LDR-Biased | 15.656 | 15.437 | -0.219 |
| 19 | 3 | LDR-Biased | 15.753 | 15.712 | -0.041 |
| 20 | 3 | LDR-Biased | 15.617 | 15.46 | -0.157 |
| 21 | 3 | LDR-Biased | 15.749 | 15.762 | 0.013 |
| 22 | 3 | LDR-Unbiased | 15.545 | 15.766 | 0.221 |
| 23 | 3 | LDR-Unbiased | 15.705 | 15.773 | 0.068 |
| 25 | 3 | LDR-Unbiased | 15.677 | 15.535 | -0.142 |
| 26 | 3 | LDR-Unbiased | 15.82 | 15.689 | -0.131 |
| 27 | 3 | LDR-Unbiased | 15.672 | 15.716 | 0.044 |
| 46 | 10 | LDR-Biased | 15.82 | 15.13 | -0.69 |
| 48 | 10 | LDR-Biased | 15.656 | 15.158 | -0.498 |
| 49 | 10 | LDR-Biased | 15.753 | 15.432 | -0.321 |
| 50 | 10 | LDR-Biased | 15.617 | 15.192 | -0.425 |
| 51 | 10 | LDR-Biased | 15.749 | 15.516 | -0.233 |
| 52 | 10 | LDR-Unbiased | 15.545 | 15.716 | 0.171 |
| 53 | 10 | LDR-Unbiased | 15.705 | 15.709 | 0.004 |
| 55 | 10 | LDR-Unbiased | 15.677 | 15.481 | -0.196 |
| 56 | 10 | LDR-Unbiased | 15.82 | 15.617 | -0.203 |
| 57 | 10 | LDR-Unbiased | 15.672 | 15.637 | -0.035 |
| 76 | 30 | LDR-Biased | 15.82 | 15.201 | -0.619 |
| 78 | 30 | LDR-Biased | 15.656 | 14.759 | -0.897 |
| 79 | 30 | LDR-Biased | 15.753 | 15.49 | -0.263 |
| 80 | 30 | LDR-Biased | 15.617 | 15.286 | -0.331 |
| 81 | 30 | LDR-Biased | 15.749 | 15.487 | -0.262 |
| 82 | 30 | LDR-Unbiased | 15.545 | 15.557 | 0.012 |
| 83 | 30 | LDR-Unbiased | 15.705 | 15.572 | -0.133 |
| 84 | 30 | LDR-Unbiased | 15.672 | 15.485 | -0.187 |
| 85 | 30 | LDR-Unbiased | 15.677 | 15.341 | -0.336 |
| 86 | 30 | LDR-Unbiased | 15.82 | 15.489 | -0.331 |
| 87 | 100 | LDR-Biased | 15.835 | 15.286 | -0.549 |
| 88 | 100 | LDR-Biased | 15.885 | 15.608 | -0.277 |
| 90 | 100 | LDR-Biased | 15.688 | 15.614 | -0.074 |
| 91 | 100 | LDR-Unbiased | 15.544 | 15.152 | -0.392 |
| 93 | 100 | LDR-Unbiased | 15.768 | 15.33 | -0.438 |
| 94 | 100 | LDR-Unbiased | 15.845 | 15.317 | -0.528 |
| 95 | 100 | LDR-Unbiased | 15.599 | 15.369 | -0.23 |
| 96 | 100 | LDR-Unbiased | 15.682 | 15.139 | -0.543 |
| 106 | 50 | LDR-Biased | 15.82 | 14.936 | -0.884 |
| 108 | 50 | LDR-Biased | 15.656 | 14.968 | -0.688 |
| 109 | 50 | LDR-Biased | 15.753 | 15.298 | -0.455 |
| 110 | 50 | LDR-Biased | 15.617 | 14.694 | -0.923 |
| 111 | 50 | LDR-Biased | 15.749 | 15.345 | -0.404 |
| 112 | 50 | LDR-Unbiased | 15.545 | 15.442 | -0.103 |
| 113 | 50 | LDR-Unbiased | 15.705 | 15.434 | -0.271 |
| 115 | 50 | LDR-Unbiased | 15.677 | 15.192 | -0.485 |
| 116 | 50 | LDR-Unbiased | 15.82 | 15.376 | -0.444 |
| 117 | 50 | LDR-Unbiased | 15.672 | 15.376 | -0.296 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.667 | 15.675 | 15.682 | 0.010607 | 15.667 | 15.675 | 15.682 | 0.010607 | 0 | 0 | 0 | 0 |
| 3 | 15.545 | 15.701 | 15.82 | 0.087037 | 15.408 | 15.626 | 15.773 | 0.14842 | -0.412 | -0.0756 | 0.221 | 0.17631 |
| 10 | 15.545 | 15.701 | 15.82 | 0.087037 | 15.13 | 15.459 | 15.716 | 0.22603 | -0.69 | -0.2426 | 0.171 | 0.25465 |
| 30 | 15.545 | 15.701 | 15.82 | 0.087037 | 14.759 | 15.367 | 15.572 | 0.24516 | -0.897 | -0.3347 | 0.012 | 0.25607 |
| 50 | 15.545 | 15.701 | 15.82 | 0.087037 | 14.694 | 15.206 | 15.442 | 0.25498 | -0.923 | -0.4953 | -0.103 | 0.26411 |
| 100 | 15.544 | 15.731 | 15.885 | 0.12279 | 15.139 | 15.352 | 15.614 | 0.17964 | -0.549 | -0.37888 | -0.074 | 0.17208 |

# Device Test: 18.33 Res_PD_EN4/EN4/1.6/14/0/0/2/@EN_RNMOS_LOW_V



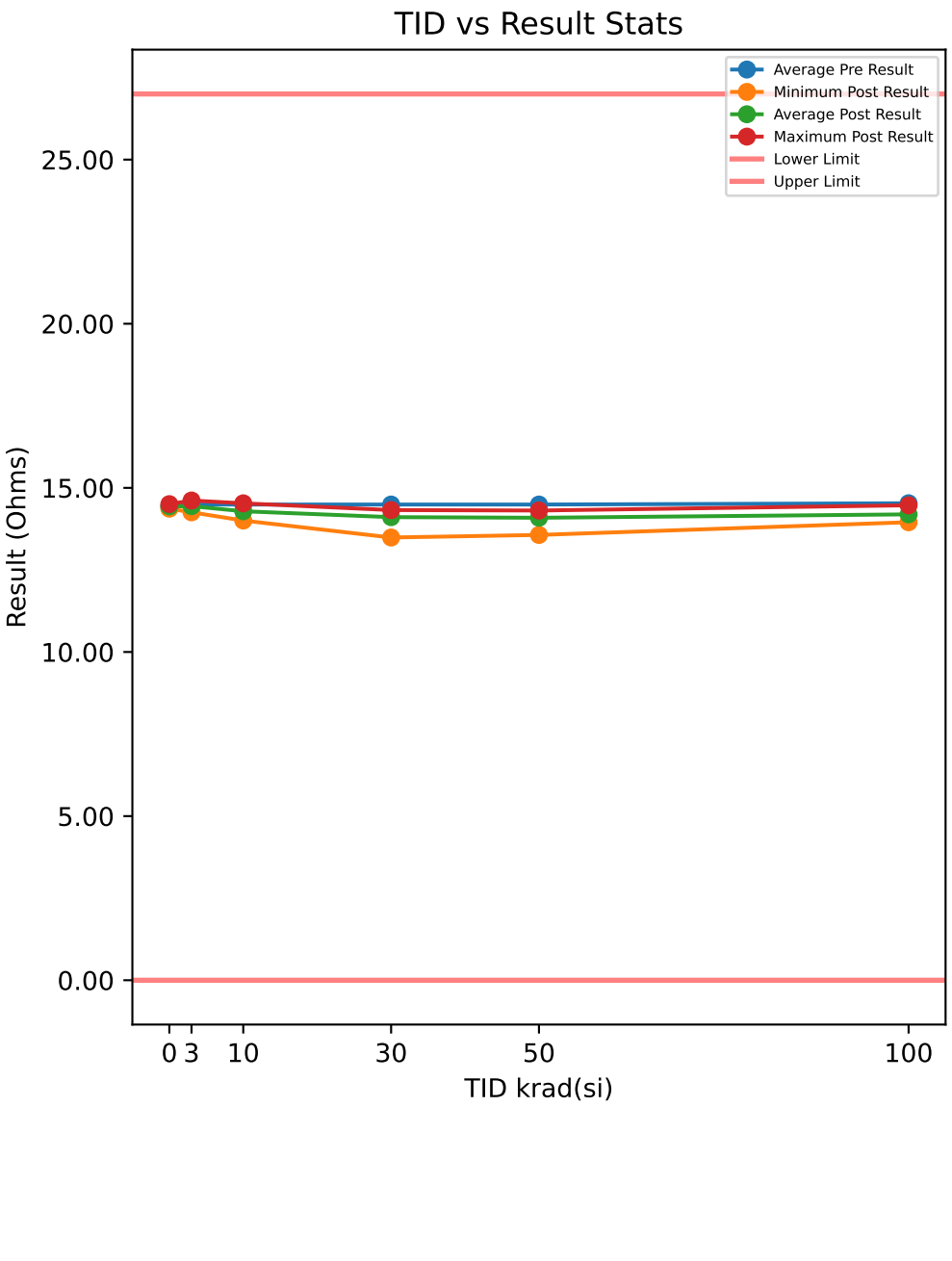

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

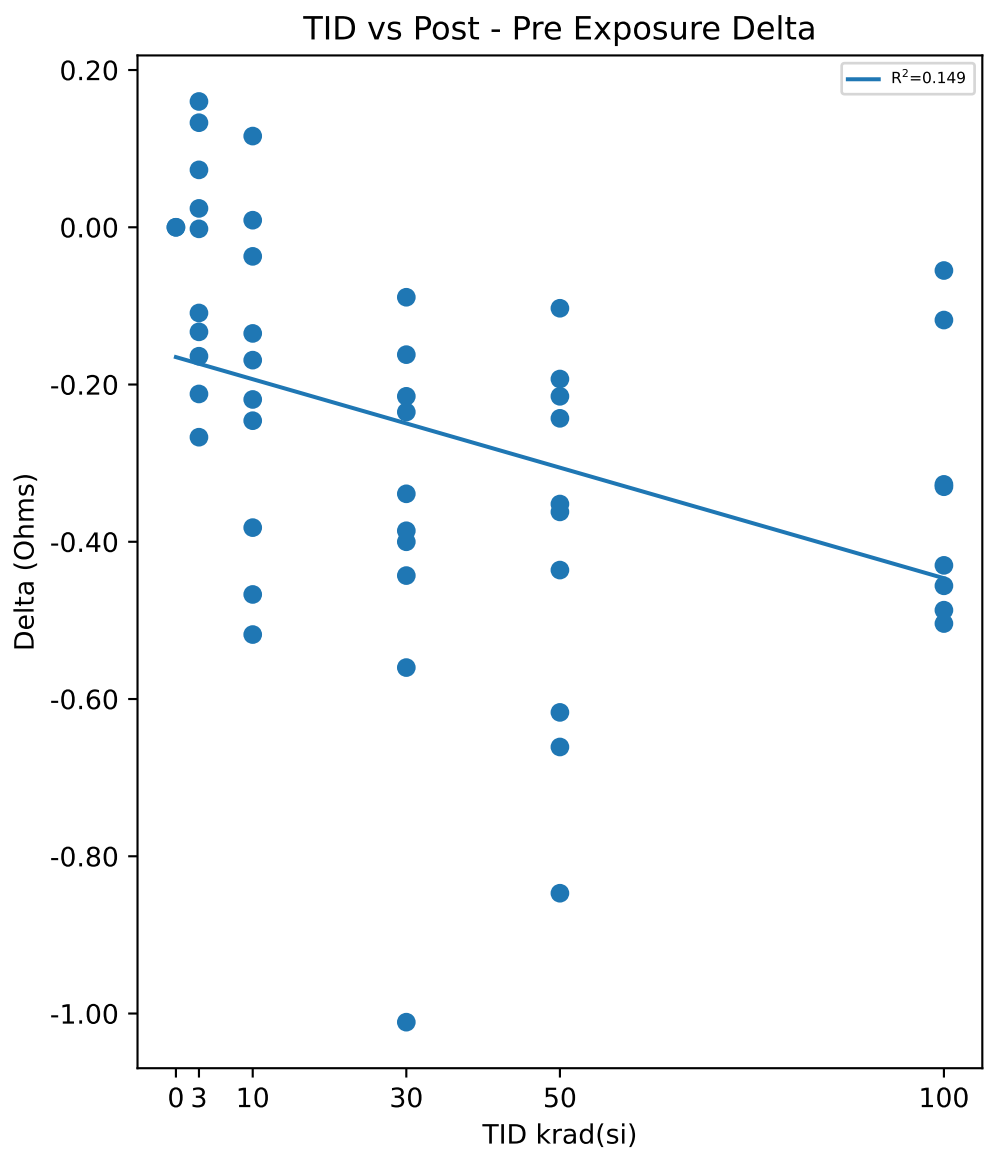
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.478 | 15.478 | 0 |
| 7 | 0 | Correlation | 15.478 | 15.478 | 0 |
| 16 | 3 | LDR-Biased | 15.603 | 15.152 | -0.451 |
| 18 | 3 | LDR-Biased | 15.483 | 15.19 | -0.293 |
| 19 | 3 | LDR-Biased | 15.492 | 15.508 | 0.016 |
| 20 | 3 | LDR-Biased | 15.388 | 15.24 | -0.148 |
| 21 | 3 | LDR-Biased | 15.573 | 15.526 | -0.047 |
| 22 | 3 | LDR-Unbiased | 15.422 | 15.609 | 0.187 |
| 23 | 3 | LDR-Unbiased | 15.442 | 15.529 | 0.087 |
| 25 | 3 | LDR-Unbiased | 15.431 | 15.353 | -0.078 |
| 26 | 3 | LDR-Unbiased | 15.574 | 15.481 | -0.093 |
| 27 | 3 | LDR-Unbiased | 15.489 | 15.461 | -0.028 |
| 46 | 10 | LDR-Biased | 15.603 | 14.866 | -0.737 |
| 48 | 10 | LDR-Biased | 15.483 | 14.897 | -0.586 |
| 49 | 10 | LDR-Biased | 15.492 | 15.209 | -0.283 |
| 50 | 10 | LDR-Biased | 15.388 | 14.959 | -0.429 |
| 51 | 10 | LDR-Biased | 15.573 | 15.256 | -0.317 |
| 52 | 10 | LDR-Unbiased | 15.422 | 15.55 | 0.128 |
| 53 | 10 | LDR-Unbiased | 15.442 | 15.46 | 0.018 |
| 55 | 10 | LDR-Unbiased | 15.431 | 15.269 | -0.162 |
| 56 | 10 | LDR-Unbiased | 15.574 | 15.406 | -0.168 |
| 57 | 10 | LDR-Unbiased | 15.489 | 15.378 | -0.111 |
| 76 | 30 | LDR-Biased | 15.603 | 14.963 | -0.64 |
| 78 | 30 | LDR-Biased | 15.483 | 14.509 | -0.974 |
| 79 | 30 | LDR-Biased | 15.492 | 15.294 | -0.198 |
| 80 | 30 | LDR-Biased | 15.388 | 15.065 | -0.323 |
| 81 | 30 | LDR-Biased | 15.573 | 15.263 | -0.31 |
| 82 | 30 | LDR-Unbiased | 15.422 | 15.408 | -0.014 |
| 83 | 30 | LDR-Unbiased | 15.442 | 15.342 | -0.1 |
| 84 | 30 | LDR-Unbiased | 15.489 | 15.252 | -0.237 |
| 85 | 30 | LDR-Unbiased | 15.431 | 15.154 | -0.277 |
| 86 | 30 | LDR-Unbiased | 15.574 | 15.284 | -0.29 |
| 87 | 100 | LDR-Biased | 15.611 | 15.102 | -0.509 |
| 88 | 100 | LDR-Biased | 15.663 | 15.433 | -0.23 |
| 90 | 100 | LDR-Biased | 15.519 | 15.428 | -0.091 |
| 91 | 100 | LDR-Unbiased | 15.414 | 14.964 | -0.45 |
| 93 | 100 | LDR-Unbiased | 15.571 | 15.098 | -0.473 |
| 94 | 100 | LDR-Unbiased | 15.632 | 15.07 | -0.562 |
| 95 | 100 | LDR-Unbiased | 15.401 | 15.125 | -0.276 |
| 96 | 100 | LDR-Unbiased | 15.507 | 14.911 | -0.596 |
| 106 | 50 | LDR-Biased | 15.603 | 14.689 | -0.914 |
| 108 | 50 | LDR-Biased | 15.483 | 14.717 | -0.766 |
| 109 | 50 | LDR-Biased | 15.492 | 15.065 | -0.427 |
| 110 | 50 | LDR-Biased | 15.388 | 14.48 | -0.908 |
| 111 | 50 | LDR-Biased | 15.573 | 15.1 | -0.473 |
| 112 | 50 | LDR-Unbiased | 15.422 | 15.27 | -0.152 |
| 113 | 50 | LDR-Unbiased | 15.442 | 15.168 | -0.274 |
| 115 | 50 | LDR-Unbiased | 15.431 | 14.992 | -0.439 |
| 116 | 50 | LDR-Unbiased | 15.574 | 15.146 | -0.428 |
| 117 | 50 | LDR-Unbiased | 15.489 | 15.104 | -0.385 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.478 | 15.478 | 15.478 | 0 | 15.478 | 15.478 | 15.478 | 0 | 0 | 0 | 0 | 0 |
| 3 | 15.388 | 15.49 | 15.603 | 0.07271 | 15.152 | 15.405 | 15.609 | 0.16032 | -0.451 | -0.0848 | 0.187 | 0.1825 |
| 10 | 15.388 | 15.49 | 15.603 | 0.07271 | 14.866 | 15.225 | 15.55 | 0.24207 | -0.737 | -0.2647 | 0.128 | 0.26542 |
| 30 | 15.388 | 15.49 | 15.603 | 0.07271 | 14.509 | 15.153 | 15.408 | 0.2621 | -0.974 | -0.3363 | -0.014 | 0.27771 |
| 50 | 15.388 | 15.49 | 15.603 | 0.07271 | 14.48 | 14.973 | 15.27 | 0.2555 | -0.914 | -0.5166 | -0.152 | 0.25954 |
| 100 | 15.401 | 15.54 | 15.663 | 0.097337 | 14.911 | 15.141 | 15.433 | 0.19292 | -0.596 | -0.39837 | -0.091 | 0.17893 |

# Device Test: 18.34 Res_PD_PWRDG/PWRGD/1.6/14/0/0/2/@PWRGD_RNMOS_LOW_V



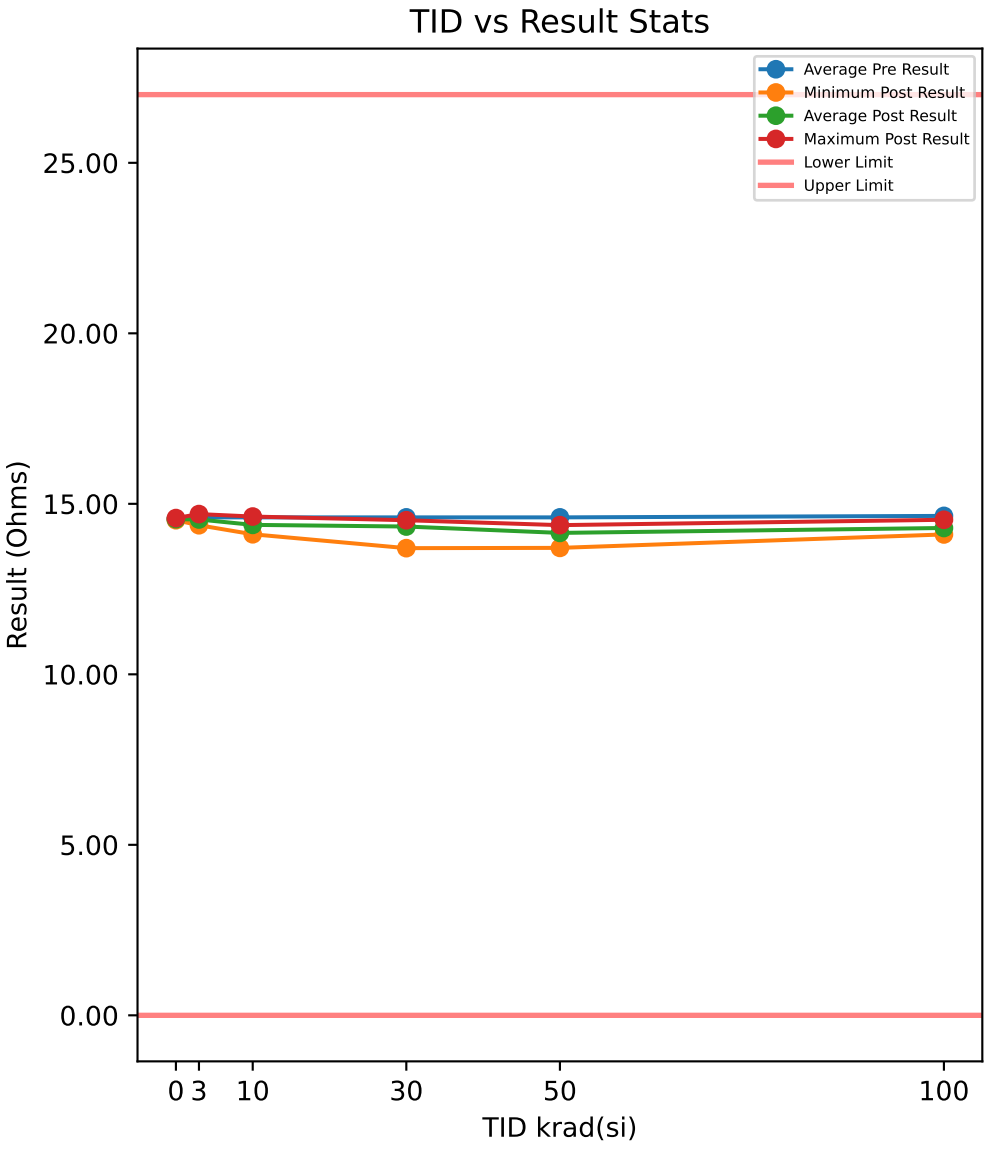

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

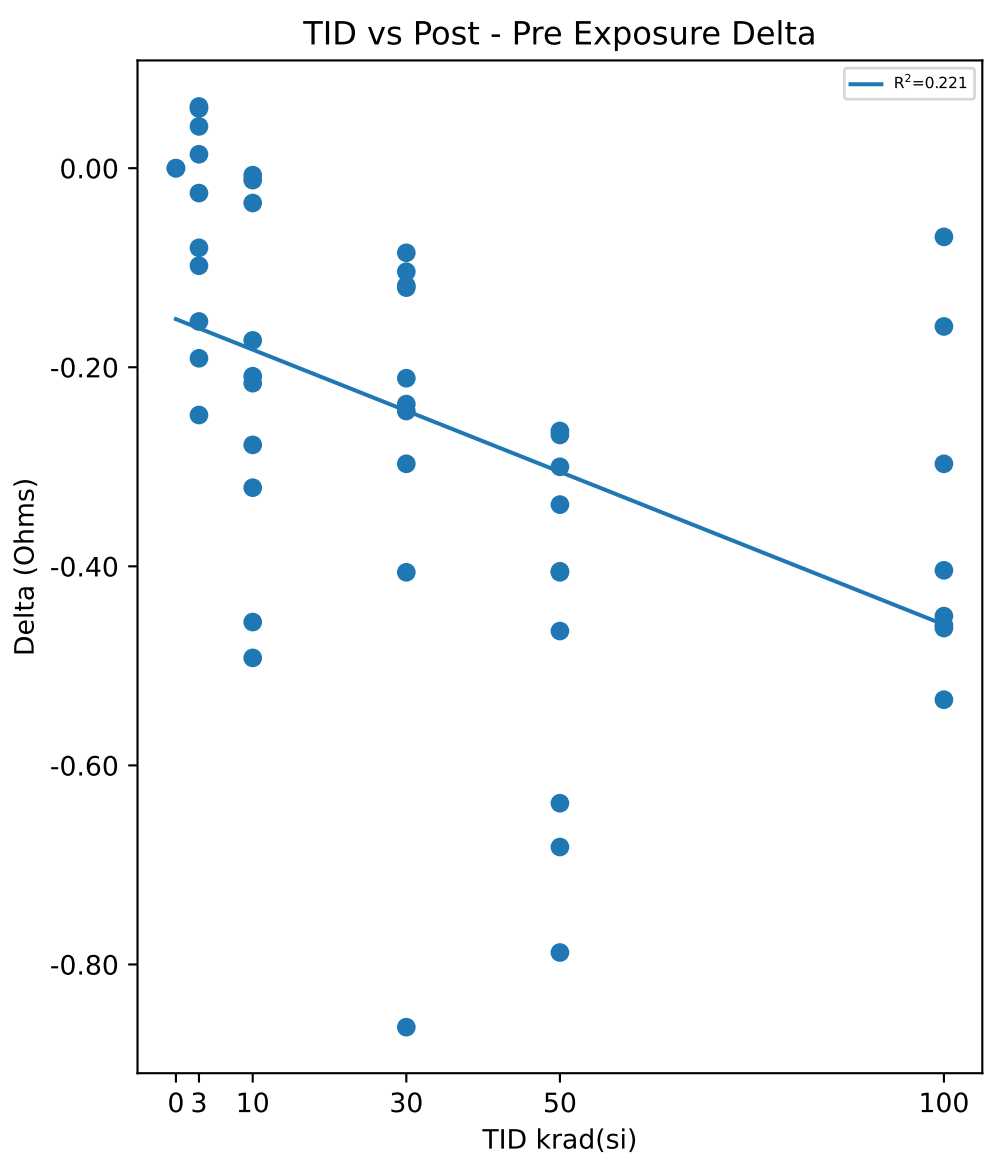
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.504 | 14.504 | 0 |
| 7 | 0 | Correlation | 14.366 | 14.366 | 0 |
| 16 | 3 | LDR-Biased | 14.522 | 14.255 | -0.267 |
| 18 | 3 | LDR-Biased | 14.499 | 14.287 | -0.212 |
| 19 | 3 | LDR-Biased | 14.415 | 14.548 | 0.133 |
| 20 | 3 | LDR-Biased | 14.413 | 14.28 | -0.133 |
| 21 | 3 | LDR-Biased | 14.617 | 14.615 | -0.002 |
| 22 | 3 | LDR-Unbiased | 14.413 | 14.573 | 0.16 |
| 23 | 3 | LDR-Unbiased | 14.49 | 14.514 | 0.024 |
| 25 | 3 | LDR-Unbiased | 14.474 | 14.31 | -0.164 |
| 26 | 3 | LDR-Unbiased | 14.603 | 14.494 | -0.109 |
| 27 | 3 | LDR-Unbiased | 14.475 | 14.548 | 0.073 |
| 46 | 10 | LDR-Biased | 14.522 | 14.004 | -0.518 |
| 48 | 10 | LDR-Biased | 14.499 | 14.032 | -0.467 |
| 49 | 10 | LDR-Biased | 14.415 | 14.28 | -0.135 |
| 50 | 10 | LDR-Biased | 14.413 | 14.031 | -0.382 |
| 51 | 10 | LDR-Biased | 14.617 | 14.371 | -0.246 |
| 52 | 10 | LDR-Unbiased | 14.413 | 14.529 | 0.116 |
| 53 | 10 | LDR-Unbiased | 14.49 | 14.453 | -0.037 |
| 55 | 10 | LDR-Unbiased | 14.474 | 14.255 | -0.219 |
| 56 | 10 | LDR-Unbiased | 14.603 | 14.434 | -0.169 |
| 57 | 10 | LDR-Unbiased | 14.475 | 14.484 | 0.009 |
| 76 | 30 | LDR-Biased | 14.522 | 13.962 | -0.56 |
| 78 | 30 | LDR-Biased | 14.499 | 13.488 | -1.011 |
| 79 | 30 | LDR-Biased | 14.415 | 14.253 | -0.162 |
| 80 | 30 | LDR-Biased | 14.413 | 14.013 | -0.4 |
| 81 | 30 | LDR-Biased | 14.617 | 14.278 | -0.339 |
| 82 | 30 | LDR-Unbiased | 14.413 | 14.324 | -0.089 |
| 83 | 30 | LDR-Unbiased | 14.49 | 14.255 | -0.235 |
| 84 | 30 | LDR-Unbiased | 14.475 | 14.26 | -0.215 |
| 85 | 30 | LDR-Unbiased | 14.474 | 14.031 | -0.443 |
| 86 | 30 | LDR-Unbiased | 14.603 | 14.217 | -0.386 |
| 87 | 100 | LDR-Biased | 14.645 | 14.158 | -0.487 |
| 88 | 100 | LDR-Biased | 14.576 | 14.458 | -0.118 |
| 90 | 100 | LDR-Biased | 14.524 | 14.469 | -0.055 |
| 91 | 100 | LDR-Unbiased | 14.409 | 13.953 | -0.456 |
| 93 | 100 | LDR-Unbiased | 14.629 | 14.125 | -0.504 |
| 94 | 100 | LDR-Unbiased | 14.548 | 14.218 | -0.33 |
| 95 | 100 | LDR-Unbiased | 14.448 | 14.121 | -0.327 |
| 96 | 100 | LDR-Unbiased | 14.469 | 14.039 | -0.43 |
| 106 | 50 | LDR-Biased | 14.522 | 13.861 | -0.661 |
| 108 | 50 | LDR-Biased | 14.499 | 13.882 | -0.617 |
| 109 | 50 | LDR-Biased | 14.415 | 14.2 | -0.215 |
| 110 | 50 | LDR-Biased | 14.413 | 13.566 | -0.847 |
| 111 | 50 | LDR-Biased | 14.617 | 14.265 | -0.352 |
| 112 | 50 | LDR-Unbiased | 14.413 | 14.31 | -0.103 |
| 113 | 50 | LDR-Unbiased | 14.49 | 14.247 | -0.243 |
| 115 | 50 | LDR-Unbiased | 14.474 | 14.038 | -0.436 |
| 116 | 50 | LDR-Unbiased | 14.603 | 14.241 | -0.362 |
| 117 | 50 | LDR-Unbiased | 14.475 | 14.282 | -0.193 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.366 | 14.435 | 14.504 | 0.097581 | 14.366 | 14.435 | 14.504 | 0.097581 | 0 | 0 | 0 | 0 |
| 3 | 14.413 | 14.492 | 14.617 | 0.072971 | 14.255 | 14.442 | 14.615 | 0.14146 | -0.267 | -0.0497 | 0.16 | 0.14802 |
| 10 | 14.413 | 14.492 | 14.617 | 0.072971 | 14.004 | 14.287 | 14.529 | 0.20147 | -0.518 | -0.2048 | 0.116 | 0.20631 |
| 30 | 14.413 | 14.492 | 14.617 | 0.072971 | 13.488 | 14.108 | 14.324 | 0.25251 | -1.011 | -0.384 | -0.089 | 0.26182 |
| 50 | 14.413 | 14.492 | 14.617 | 0.072971 | 13.566 | 14.089 | 14.31 | 0.24685 | -0.847 | -0.4029 | -0.103 | 0.23803 |
| 100 | 14.409 | 14.531 | 14.645 | 0.085004 | 13.953 | 14.193 | 14.469 | 0.18492 | -0.504 | -0.33838 | -0.055 | 0.16938 |

# Device Test: 18.35 Res_PD_SEQ/SEQ_DONE/1.6/14/0/0/2/@SEQDONE_RNMOS_LOW_V



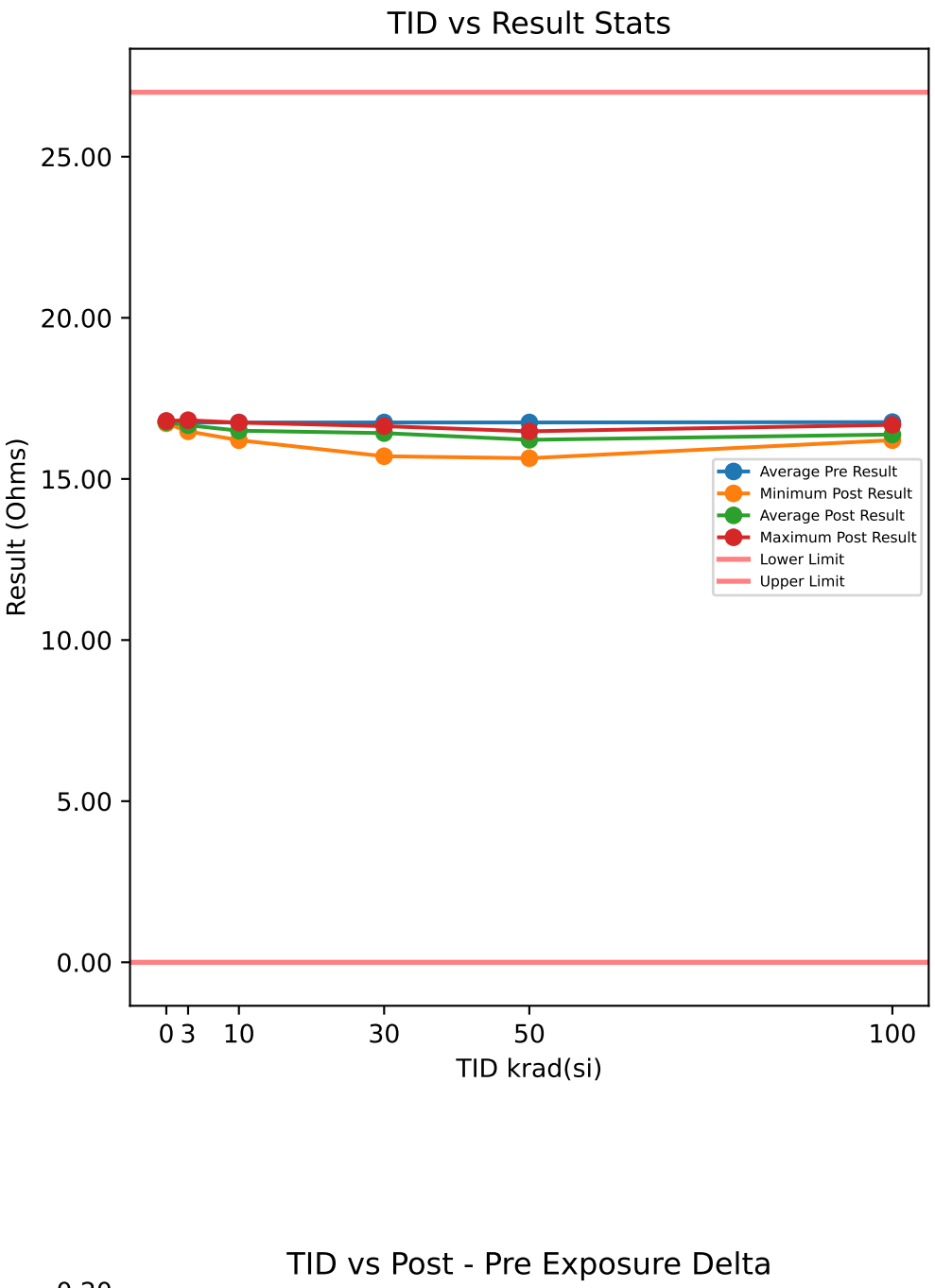

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.582 | 14.582 | 0 |
| 7 | 0 | Correlation | 14.519 | 14.519 | 0 |
| 16 | 3 | LDR-Biased | 14.627 | 14.379 | -0.248 |
| 18 | 3 | LDR-Biased | 14.563 | 14.372 | -0.191 |
| 19 | 3 | LDR-Biased | 14.604 | 14.666 | 0.062 |
| 20 | 3 | LDR-Biased | 14.496 | 14.416 | -0.08 |
| 21 | 3 | LDR-Biased | 14.715 | 14.69 | -0.025 |
| 22 | 3 | LDR-Unbiased | 14.55 | 14.592 | 0.042 |
| 23 | 3 | LDR-Unbiased | 14.571 | 14.585 | 0.014 |
| 25 | 3 | LDR-Unbiased | 14.59 | 14.436 | -0.154 |
| 26 | 3 | LDR-Unbiased | 14.671 | 14.573 | -0.098 |
| 27 | 3 | LDR-Unbiased | 14.639 | 14.699 | 0.06 |
| 46 | 10 | LDR-Biased | 14.627 | 14.135 | -0.492 |
| 48 | 10 | LDR-Biased | 14.563 | 14.107 | -0.456 |
| 49 | 10 | LDR-Biased | 14.604 | 14.395 | -0.209 |
| 50 | 10 | LDR-Biased | 14.496 | 14.175 | -0.321 |
| 51 | 10 | LDR-Biased | 14.715 | 14.437 | -0.278 |
| 52 | 10 | LDR-Unbiased | 14.55 | 14.543 | -0.007 |
| 53 | 10 | LDR-Unbiased | 14.571 | 14.536 | -0.035 |
| 55 | 10 | LDR-Unbiased | 14.59 | 14.374 | -0.216 |
| 56 | 10 | LDR-Unbiased | 14.671 | 14.498 | -0.173 |
| 57 | 10 | LDR-Unbiased | 14.639 | 14.627 | -0.012 |
| 76 | 30 | LDR-Biased | 14.627 | 14.221 | -0.406 |
| 78 | 30 | LDR-Biased | 14.563 | 13.7 | -0.863 |
| 79 | 30 | LDR-Biased | 14.604 | 14.5 | -0.104 |
| 80 | 30 | LDR-Biased | 14.496 | 14.285 | -0.211 |
| 81 | 30 | LDR-Biased | 14.715 | 14.471 | -0.244 |
| 82 | 30 | LDR-Unbiased | 14.55 | 14.465 | -0.085 |
| 83 | 30 | LDR-Unbiased | 14.571 | 14.453 | -0.118 |
| 84 | 30 | LDR-Unbiased | 14.639 | 14.519 | -0.12 |
| 85 | 30 | LDR-Unbiased | 14.59 | 14.293 | -0.297 |
| 86 | 30 | LDR-Unbiased | 14.671 | 14.434 | -0.237 |
| 87 | 100 | LDR-Biased | 14.694 | 14.235 | -0.459 |
| 88 | 100 | LDR-Biased | 14.686 | 14.527 | -0.159 |
| 90 | 100 | LDR-Biased | 14.601 | 14.532 | -0.069 |
| 91 | 100 | LDR-Unbiased | 14.552 | 14.102 | -0.45 |
| 93 | 100 | LDR-Unbiased | 14.729 | 14.195 | -0.534 |
| 94 | 100 | LDR-Unbiased | 14.658 | 14.361 | -0.297 |
| 95 | 100 | LDR-Unbiased | 14.614 | 14.21 | -0.404 |
| 96 | 100 | LDR-Unbiased | 14.632 | 14.17 | -0.462 |
| 106 | 50 | LDR-Biased | 14.627 | 13.945 | -0.682 |
| 108 | 50 | LDR-Biased | 14.563 | 13.925 | -0.638 |
| 109 | 50 | LDR-Biased | 14.604 | 14.266 | -0.338 |
| 110 | 50 | LDR-Biased | 14.496 | 13.708 | -0.788 |
| 111 | 50 | LDR-Biased | 14.715 | 14.31 | -0.405 |
| 112 | 50 | LDR-Unbiased | 14.55 | 14.282 | -0.268 |
| 113 | 50 | LDR-Unbiased | 14.571 | 14.271 | -0.3 |
| 115 | 50 | LDR-Unbiased | 14.59 | 14.125 | -0.465 |
| 116 | 50 | LDR-Unbiased | 14.671 | 14.265 | -0.406 |
| 117 | 50 | LDR-Unbiased | 14.639 | 14.375 | -0.264 |

Test Statistics (Ohms)

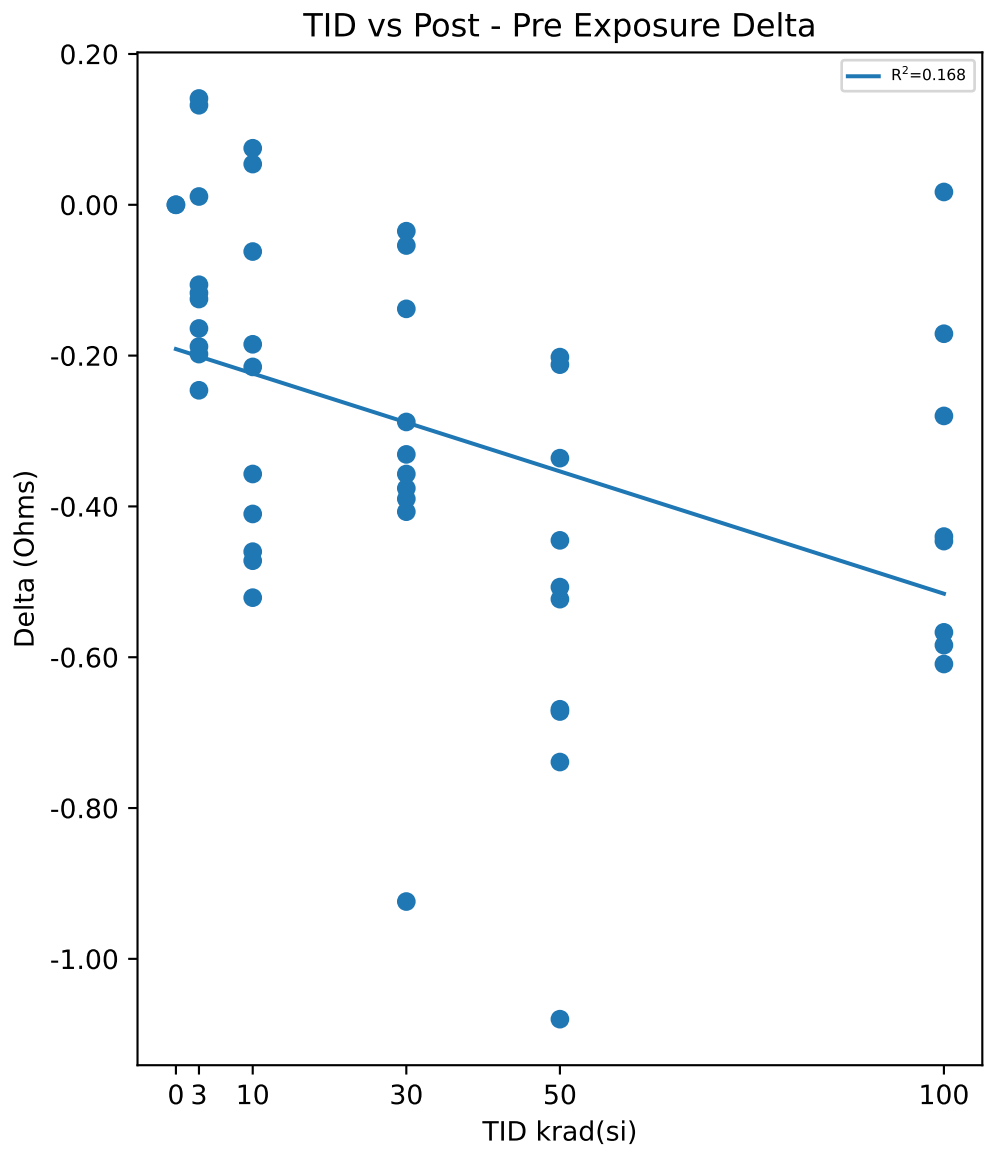
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.519 | 14.55 | 14.582 | 0.044548 | 14.519 | 14.55 | 14.582 | 0.044548 | 0 | 0 | 0 | 0 |
| 3 | 14.496 | 14.603 | 14.715 | 0.063325 | 14.372 | 14.541 | 14.699 | 0.12902 | -0.248 | -0.0618 | 0.062 | 0.11032 |
| 10 | 14.496 | 14.603 | 14.715 | 0.063325 | 14.107 | 14.383 | 14.627 | 0.18435 | -0.492 | -0.2199 | -0.007 | 0.17271 |
| 30 | 14.496 | 14.603 | 14.715 | 0.063325 | 13.7 | 14.334 | 14.519 | 0.2451 | -0.863 | -0.2685 | -0.085 | 0.23178 |
| 50 | 14.496 | 14.603 | 14.715 | 0.063325 | 13.708 | 14.147 | 14.375 | 0.21693 | -0.788 | -0.4554 | -0.264 | 0.18561 |
| 100 | 14.552 | 14.646 | 14.729 | 0.057343 | 14.102 | 14.291 | 14.532 | 0.16386 | -0.534 | -0.35425 | -0.069 | 0.16445 |

# Device Test: 18.36 Res_PD_EN1/EN1/7/3/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

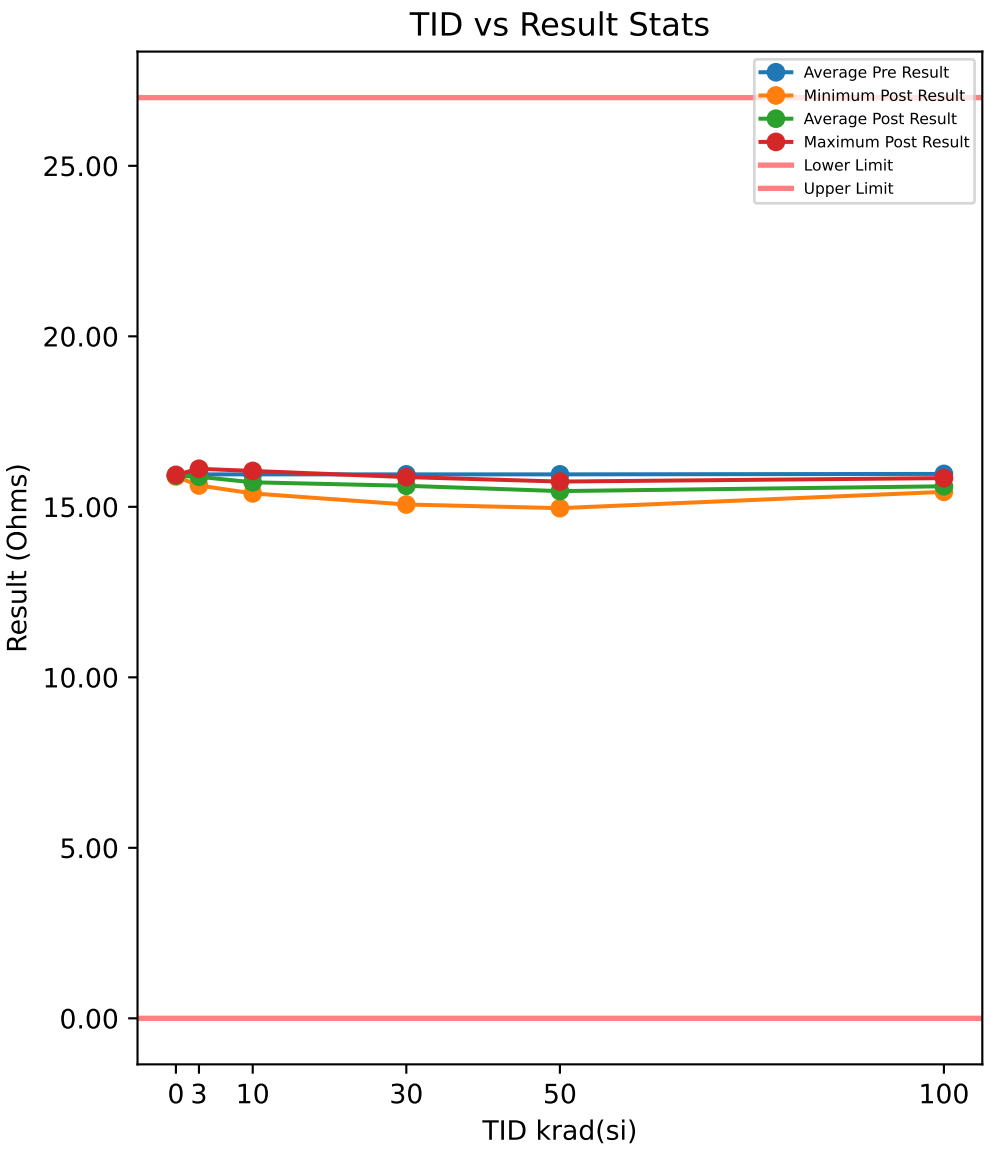
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 16.726 | 16.726 | 0 |
| 7 | 0 | Correlation | 16.8 | 16.8 | 0 |
| 16 | 3 | LDR-Biased | 16.784 | 16.586 | -0.198 |
| 18 | 3 | LDR-Biased | 16.628 | 16.503 | -0.125 |
| 19 | 3 | LDR-Biased | 16.758 | 16.57 | -0.188 |
| 20 | 3 | LDR-Biased | 16.723 | 16.477 | -0.246 |
| 21 | 3 | LDR-Biased | 16.881 | 16.764 | -0.117 |
| 22 | 3 | LDR-Unbiased | 16.673 | 16.805 | 0.132 |
| 23 | 3 | LDR-Unbiased | 16.699 | 16.71 | 0.011 |
| 25 | 3 | LDR-Unbiased | 16.834 | 16.67 | -0.164 |
| 26 | 3 | LDR-Unbiased | 16.863 | 16.757 | -0.106 |
| 27 | 3 | LDR-Unbiased | 16.68 | 16.821 | 0.141 |
| 46 | 10 | LDR-Biased | 16.784 | 16.324 | -0.46 |
| 48 | 10 | LDR-Biased | 16.628 | 16.218 | -0.41 |
| 49 | 10 | LDR-Biased | 16.758 | 16.286 | -0.472 |
| 50 | 10 | LDR-Biased | 16.723 | 16.202 | -0.521 |
| 51 | 10 | LDR-Biased | 16.881 | 16.524 | -0.357 |
| 52 | 10 | LDR-Unbiased | 16.673 | 16.748 | 0.075 |
| 53 | 10 | LDR-Unbiased | 16.699 | 16.637 | -0.062 |
| 55 | 10 | LDR-Unbiased | 16.834 | 16.619 | -0.215 |
| 56 | 10 | LDR-Unbiased | 16.863 | 16.678 | -0.185 |
| 57 | 10 | LDR-Unbiased | 16.68 | 16.734 | 0.054 |
| 76 | 30 | LDR-Biased | 16.784 | 16.408 | -0.376 |
| 78 | 30 | LDR-Biased | 16.628 | 15.704 | -0.924 |
| 79 | 30 | LDR-Biased | 16.758 | 16.368 | -0.39 |
| 80 | 30 | LDR-Biased | 16.723 | 16.316 | -0.407 |
| 81 | 30 | LDR-Biased | 16.881 | 16.524 | -0.357 |
| 82 | 30 | LDR-Unbiased | 16.673 | 16.638 | -0.035 |
| 83 | 30 | LDR-Unbiased | 16.699 | 16.561 | -0.138 |
| 84 | 30 | LDR-Unbiased | 16.68 | 16.626 | -0.054 |
| 85 | 30 | LDR-Unbiased | 16.834 | 16.503 | -0.331 |
| 86 | 30 | LDR-Unbiased | 16.863 | 16.575 | -0.288 |
| 87 | 100 | LDR-Biased | 16.882 | 16.298 | -0.584 |
| 88 | 100 | LDR-Biased | 16.844 | 16.673 | -0.171 |
| 90 | 100 | LDR-Biased | 16.661 | 16.678 | 0.017 |
| 91 | 100 | LDR-Unbiased | 16.672 | 16.226 | -0.446 |
| 93 | 100 | LDR-Unbiased | 16.894 | 16.327 | -0.567 |
| 94 | 100 | LDR-Unbiased | 16.812 | 16.203 | -0.609 |
| 95 | 100 | LDR-Unbiased | 16.662 | 16.382 | -0.28 |
| 96 | 100 | LDR-Unbiased | 16.678 | 16.238 | -0.44 |
| 106 | 50 | LDR-Biased | 16.784 | 16.045 | -0.739 |
| 108 | 50 | LDR-Biased | 16.628 | 15.956 | -0.672 |
| 109 | 50 | LDR-Biased | 16.758 | 16.089 | -0.669 |
| 110 | 50 | LDR-Biased | 16.723 | 15.643 | -1.08 |
| 111 | 50 | LDR-Biased | 16.881 | 16.358 | -0.523 |
| 112 | 50 | LDR-Unbiased | 16.673 | 16.461 | -0.212 |
| 113 | 50 | LDR-Unbiased | 16.699 | 16.363 | -0.336 |
| 115 | 50 | LDR-Unbiased | 16.834 | 16.327 | -0.507 |
| 116 | 50 | LDR-Unbiased | 16.863 | 16.418 | -0.445 |
| 117 | 50 | LDR-Unbiased | 16.68 | 16.478 | -0.202 |




Test Statistics (Ohms)

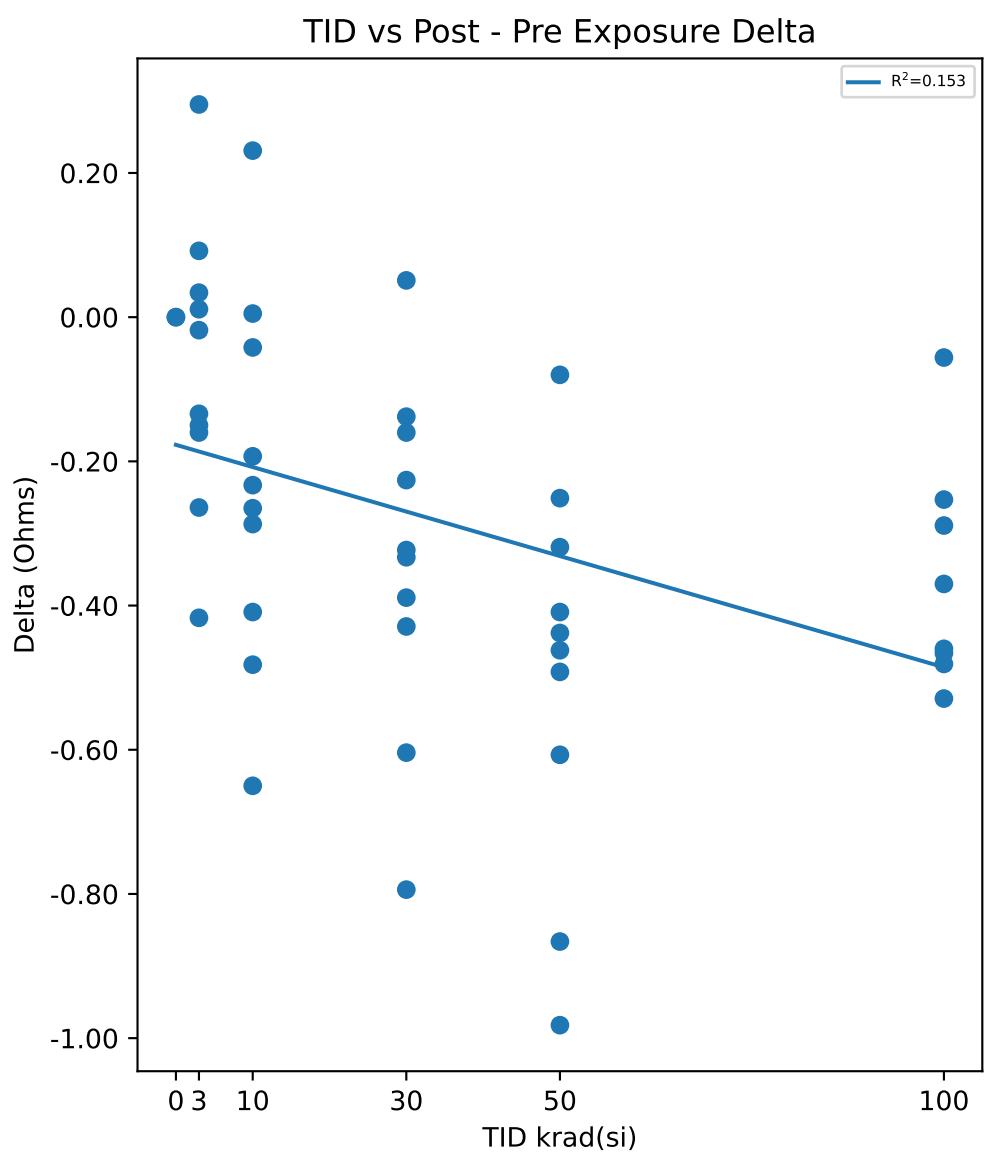
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 16.726 | 16.763 | 16.8 | 0.052326 | 16.726 | 16.763 | 16.8 | 0.052326 | 0 | 0 | 0 | 0 |
| 3 | 16.628 | 16.752 | 16.881 | 0.086407 | 16.477 | 16.666 | 16.821 | 0.12521 | -0.246 | -0.086 | 0.141 | 0.1358 |
| 10 | 16.628 | 16.752 | 16.881 | 0.086407 | 16.202 | 16.497 | 16.748 | 0.21768 | -0.521 | -0.2553 | 0.075 | 0.22172 |
| 30 | 16.628 | 16.752 | 16.881 | 0.086407 | 15.704 | 16.422 | 16.638 | 0.27444 | -0.924 | -0.33 | -0.035 | 0.25101 |
| 50 | 16.628 | 16.752 | 16.881 | 0.086407 | 15.643 | 16.214 | 16.478 | 0.27179 | -1.08 | -0.5385 | -0.202 | 0.26648 |
| 100 | 16.661 | 16.763 | 16.894 | 0.10447 | 16.203 | 16.378 | 16.678 | 0.19249 | -0.609 | -0.385 | 0.017 | 0.22299 |

# Device Test: 18.37 Res_PD_EN2/EN2/7/3/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

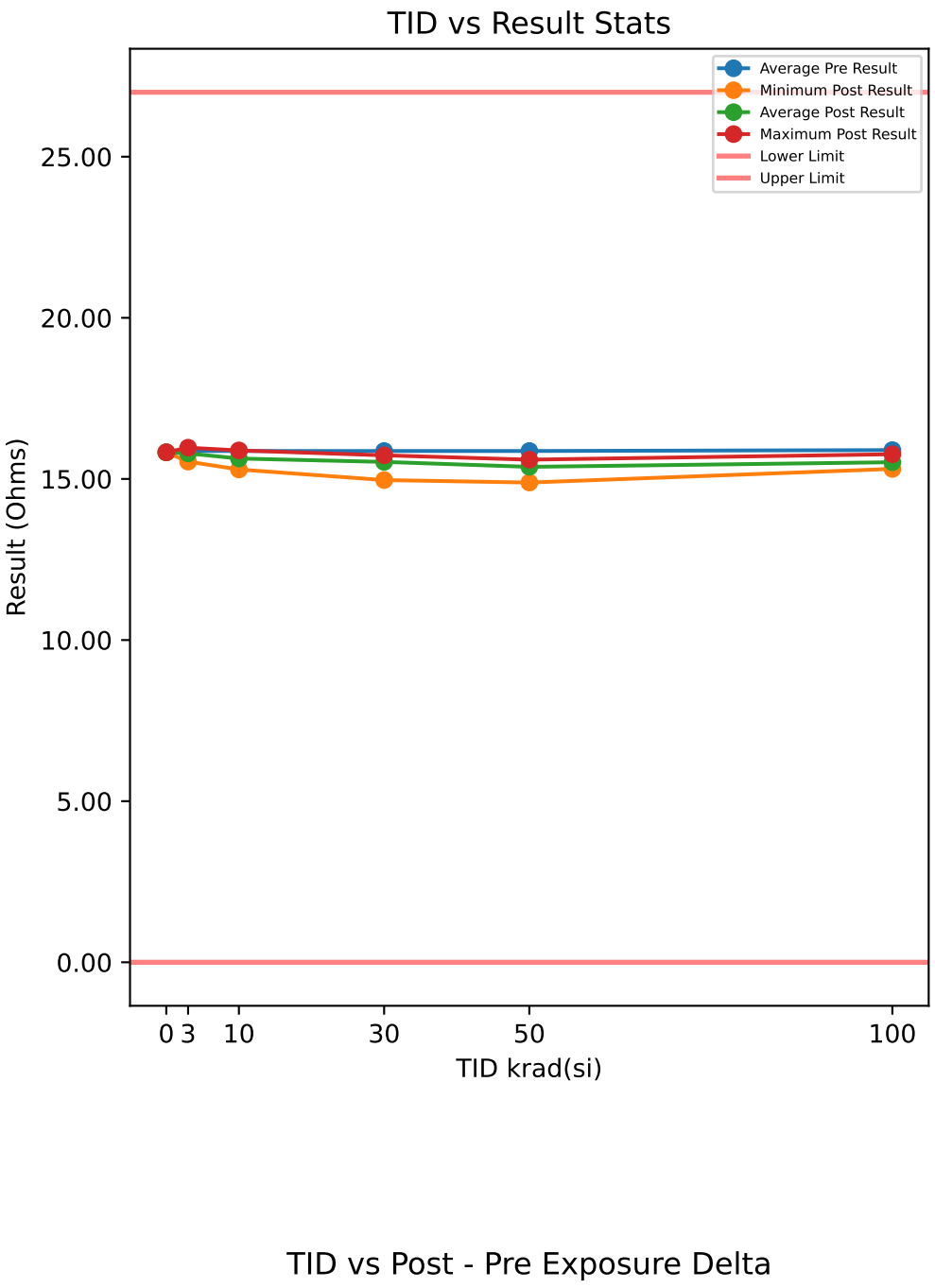
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.89 | 15.89 | 0 |
| 7 | 0 | Correlation | 15.937 | 15.937 | 0 |
| 16 | 3 | LDR-Biased | 16.043 | 15.626 | -0.417 |
| 18 | 3 | LDR-Biased | 15.862 | 15.712 | -0.15 |
| 19 | 3 | LDR-Biased | 15.937 | 15.948 | 0.011 |
| 20 | 3 | LDR-Biased | 15.943 | 15.679 | -0.264 |
| 21 | 3 | LDR-Biased | 16.029 | 16.011 | -0.018 |
| 22 | 3 | LDR-Unbiased | 15.821 | 16.116 | 0.295 |
| 23 | 3 | LDR-Unbiased | 15.964 | 15.998 | 0.034 |
| 25 | 3 | LDR-Unbiased | 15.936 | 15.802 | -0.134 |
| 26 | 3 | LDR-Unbiased | 16.061 | 15.901 | -0.16 |
| 27 | 3 | LDR-Unbiased | 15.92 | 16.012 | 0.092 |
| 46 | 10 | LDR-Biased | 16.043 | 15.393 | -0.65 |
| 48 | 10 | LDR-Biased | 15.862 | 15.453 | -0.409 |
| 49 | 10 | LDR-Biased | 15.937 | 15.672 | -0.265 |
| 50 | 10 | LDR-Biased | 15.943 | 15.461 | -0.482 |
| 51 | 10 | LDR-Biased | 16.029 | 15.742 | -0.287 |
| 52 | 10 | LDR-Unbiased | 15.821 | 16.052 | 0.231 |
| 53 | 10 | LDR-Unbiased | 15.964 | 15.922 | -0.042 |
| 55 | 10 | LDR-Unbiased | 15.936 | 15.743 | -0.193 |
| 56 | 10 | LDR-Unbiased | 16.061 | 15.828 | -0.233 |
| 57 | 10 | LDR-Unbiased | 15.92 | 15.925 | 0.005 |
| 76 | 30 | LDR-Biased | 16.043 | 15.439 | -0.604 |
| 78 | 30 | LDR-Biased | 15.862 | 15.068 | -0.794 |
| 79 | 30 | LDR-Biased | 15.937 | 15.711 | -0.226 |
| 80 | 30 | LDR-Biased | 15.943 | 15.514 | -0.429 |
| 81 | 30 | LDR-Biased | 16.029 | 15.706 | -0.323 |
| 82 | 30 | LDR-Unbiased | 15.821 | 15.872 | 0.051 |
| 83 | 30 | LDR-Unbiased | 15.964 | 15.804 | -0.16 |
| 84 | 30 | LDR-Unbiased | 15.92 | 15.782 | -0.138 |
| 85 | 30 | LDR-Unbiased | 15.936 | 15.603 | -0.333 |
| 86 | 30 | LDR-Unbiased | 16.061 | 15.672 | -0.389 |
| 87 | 100 | LDR-Biased | 16.025 | 15.496 | -0.529 |
| 88 | 100 | LDR-Biased | 16.122 | 15.833 | -0.289 |
| 90 | 100 | LDR-Biased | 15.898 | 15.842 | -0.056 |
| 91 | 100 | LDR-Unbiased | 15.809 | 15.439 | -0.37 |
| 93 | 100 | LDR-Unbiased | 16.049 | 15.583 | -0.466 |
| 94 | 100 | LDR-Unbiased | 16.063 | 15.582 | -0.481 |
| 95 | 100 | LDR-Unbiased | 15.828 | 15.575 | -0.253 |
| 96 | 100 | LDR-Unbiased | 15.925 | 15.465 | -0.46 |
| 106 | 50 | LDR-Biased | 16.043 | 15.177 | -0.866 |
| 108 | 50 | LDR-Biased | 15.862 | 15.255 | -0.607 |
| 109 | 50 | LDR-Biased | 15.937 | 15.528 | -0.409 |
| 110 | 50 | LDR-Biased | 15.943 | 14.961 | -0.982 |
| 111 | 50 | LDR-Biased | 16.029 | 15.591 | -0.438 |
| 112 | 50 | LDR-Unbiased | 15.821 | 15.741 | -0.08 |
| 113 | 50 | LDR-Unbiased | 15.964 | 15.645 | -0.319 |
| 115 | 50 | LDR-Unbiased | 15.936 | 15.474 | -0.462 |
| 116 | 50 | LDR-Unbiased | 16.061 | 15.569 | -0.492 |
| 117 | 50 | LDR-Unbiased | 15.92 | 15.669 | -0.251 |

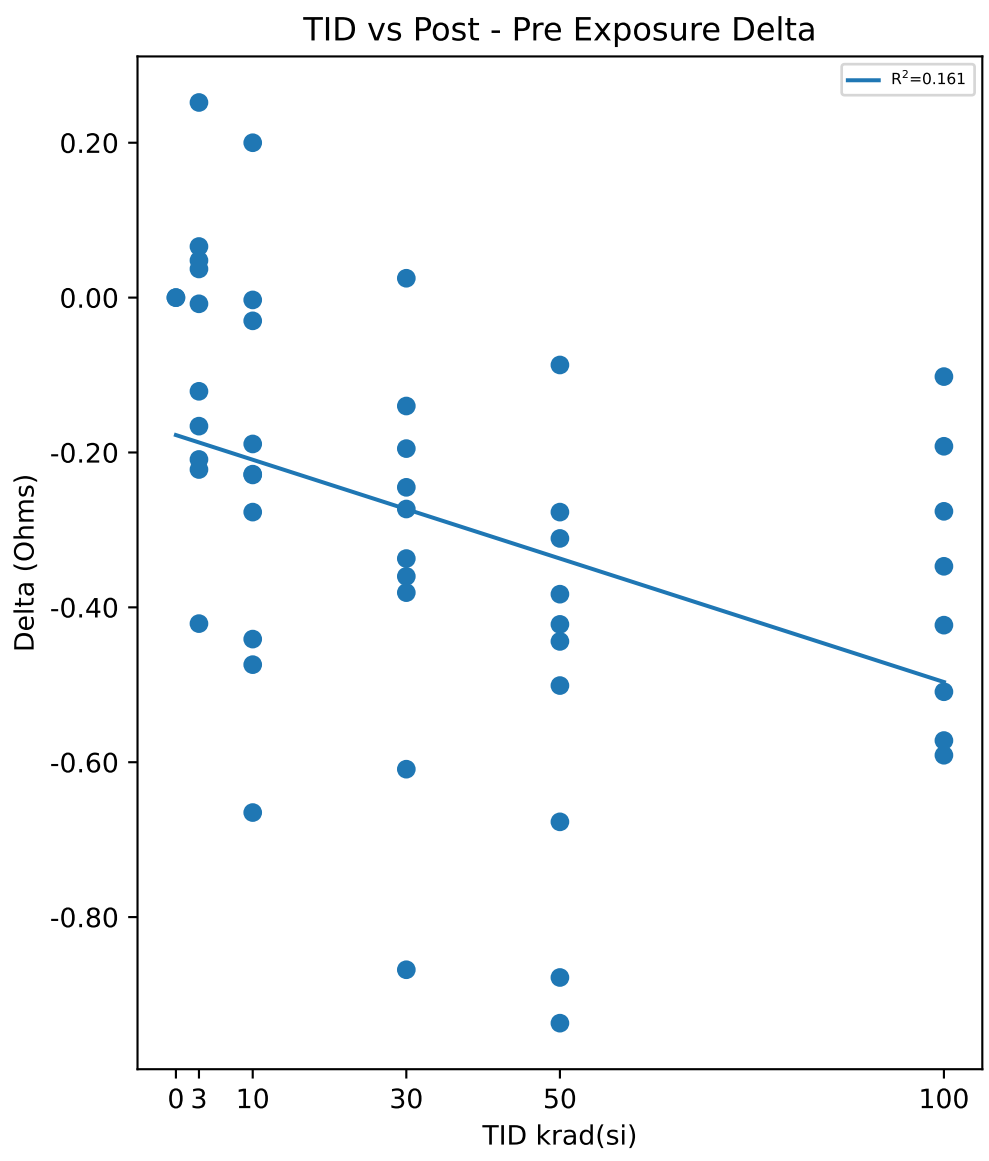



Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.89 | 15.913 | 15.937 | 0.033234 | 15.89 | 15.913 | 15.937 | 0.033234 | 0 | 0 | 0 | 0 |
| 3 | 15.821 | 15.952 | 16.061 | 0.076797 | 15.626 | 15.881 | 16.116 | 0.16616 | -0.417 | -0.0711 | 0.295 | 0.19894 |
| 10 | 15.821 | 15.952 | 16.061 | 0.076797 | 15.393 | 15.719 | 16.052 | 0.22443 | -0.65 | -0.2325 | 0.231 | 0.25404 |
| 30 | 15.821 | 15.952 | 16.061 | 0.076797 | 15.068 | 15.617 | 15.872 | 0.23355 | -0.794 | -0.3345 | 0.051 | 0.24158 |
| 50 | 15.821 | 15.952 | 16.061 | 0.076797 | 14.961 | 15.461 | 15.741 | 0.24985 | -0.982 | -0.4906 | -0.08 | 0.27114 |
| 100 | 15.809 | 15.965 | 16.122 | 0.11595 | 15.439 | 15.602 | 15.842 | 0.15539 | -0.529 | -0.363 | -0.056 | 0.15738 |

# Device Test: 18.38 Res_PD_EN3/EN3/7/3/0/0/2/@EN_RNMOS_LOW_V



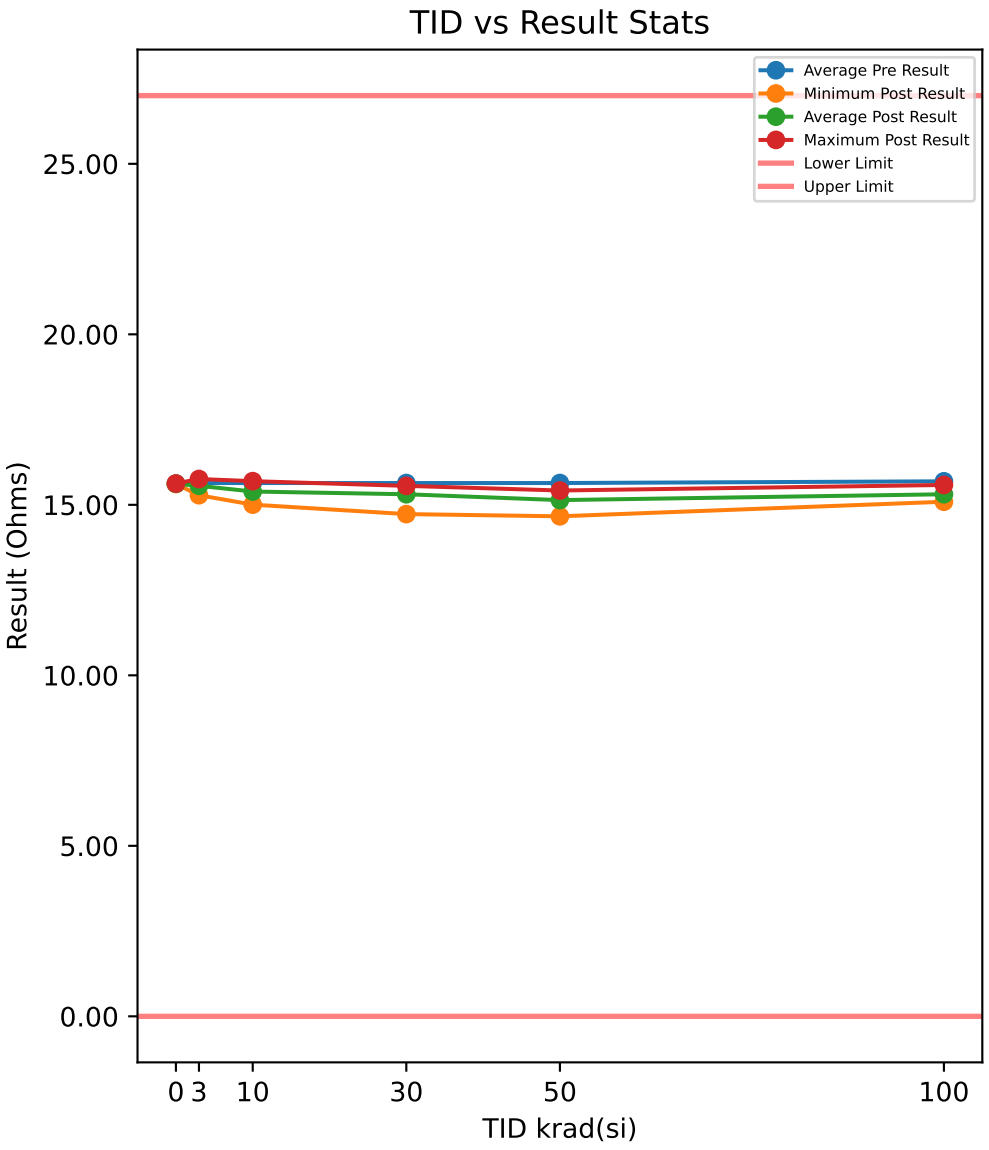

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

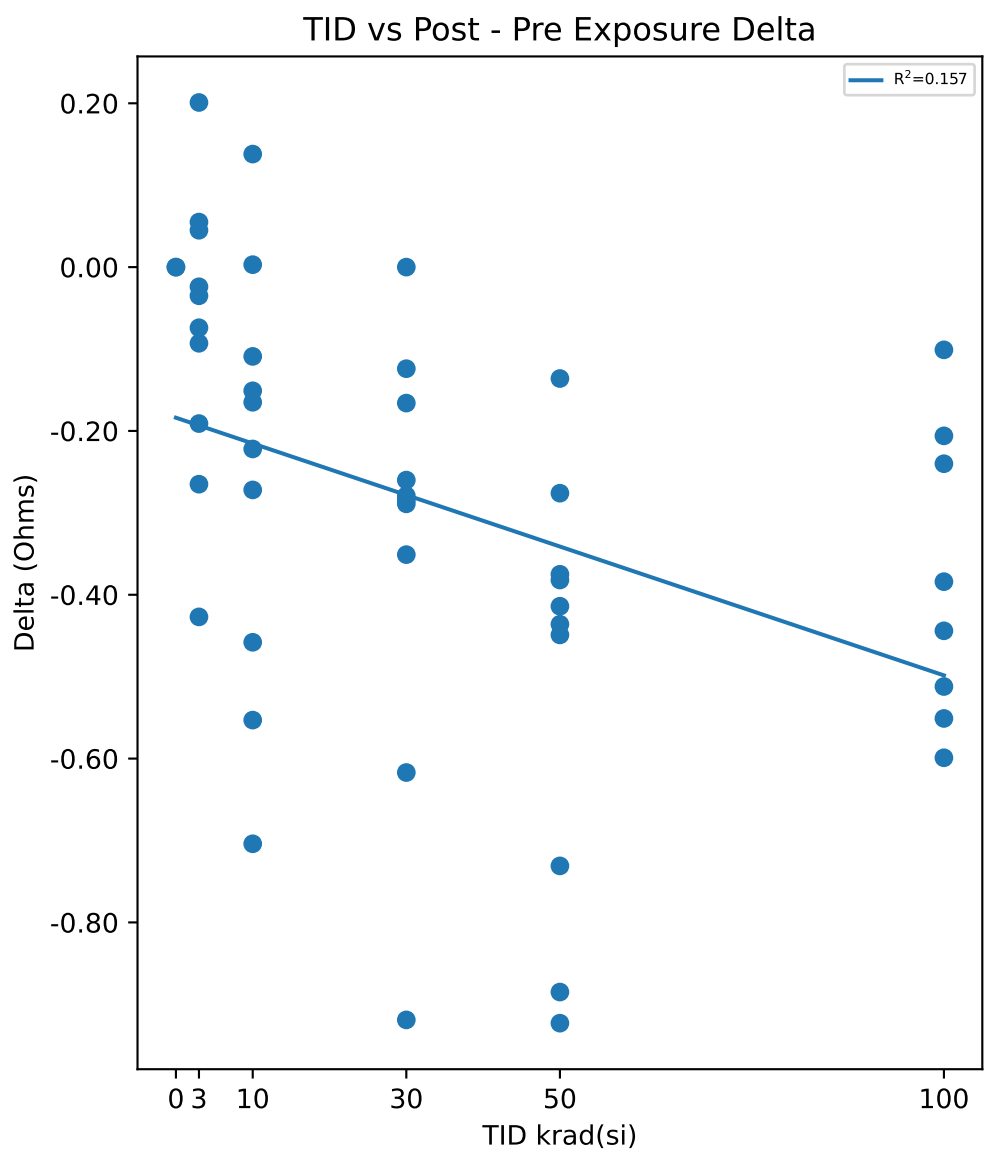
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.822 | 15.822 | 0 |
| 7 | 0 | Correlation | 15.828 | 15.828 | 0 |
| 16 | 3 | LDR-Biased | 15.958 | 15.537 | -0.421 |
| 18 | 3 | LDR-Biased | 15.833 | 15.611 | -0.222 |
| 19 | 3 | LDR-Biased | 15.903 | 15.895 | -0.008 |
| 20 | 3 | LDR-Biased | 15.825 | 15.616 | -0.209 |
| 21 | 3 | LDR-Biased | 15.922 | 15.97 | 0.048 |
| 22 | 3 | LDR-Unbiased | 15.685 | 15.937 | 0.252 |
| 23 | 3 | LDR-Unbiased | 15.873 | 15.939 | 0.066 |
| 25 | 3 | LDR-Unbiased | 15.846 | 15.68 | -0.166 |
| 26 | 3 | LDR-Unbiased | 15.938 | 15.817 | -0.121 |
| 27 | 3 | LDR-Unbiased | 15.885 | 15.922 | 0.037 |
| 46 | 10 | LDR-Biased | 15.958 | 15.293 | -0.665 |
| 48 | 10 | LDR-Biased | 15.833 | 15.359 | -0.474 |
| 49 | 10 | LDR-Biased | 15.903 | 15.626 | -0.277 |
| 50 | 10 | LDR-Biased | 15.825 | 15.384 | -0.441 |
| 51 | 10 | LDR-Biased | 15.922 | 15.694 | -0.228 |
| 52 | 10 | LDR-Unbiased | 15.685 | 15.885 | 0.2 |
| 53 | 10 | LDR-Unbiased | 15.873 | 15.87 | -0.003 |
| 55 | 10 | LDR-Unbiased | 15.846 | 15.617 | -0.229 |
| 56 | 10 | LDR-Unbiased | 15.938 | 15.749 | -0.189 |
| 57 | 10 | LDR-Unbiased | 15.885 | 15.855 | -0.03 |
| 76 | 30 | LDR-Biased | 15.958 | 15.349 | -0.609 |
| 78 | 30 | LDR-Biased | 15.833 | 14.965 | -0.868 |
| 79 | 30 | LDR-Biased | 15.903 | 15.658 | -0.245 |
| 80 | 30 | LDR-Biased | 15.825 | 15.444 | -0.381 |
| 81 | 30 | LDR-Biased | 15.922 | 15.649 | -0.273 |
| 82 | 30 | LDR-Unbiased | 15.685 | 15.71 | 0.025 |
| 83 | 30 | LDR-Unbiased | 15.873 | 15.733 | -0.14 |
| 84 | 30 | LDR-Unbiased | 15.885 | 15.69 | -0.195 |
| 85 | 30 | LDR-Unbiased | 15.846 | 15.486 | -0.36 |
| 86 | 30 | LDR-Unbiased | 15.938 | 15.601 | -0.337 |
| 87 | 100 | LDR-Biased | 16.029 | 15.438 | -0.591 |
| 88 | 100 | LDR-Biased | 16.042 | 15.766 | -0.276 |
| 90 | 100 | LDR-Biased | 15.868 | 15.766 | -0.102 |
| 91 | 100 | LDR-Unbiased | 15.677 | 15.33 | -0.347 |
| 93 | 100 | LDR-Unbiased | 15.925 | 15.502 | -0.423 |
| 94 | 100 | LDR-Unbiased | 15.984 | 15.475 | -0.509 |
| 95 | 100 | LDR-Unbiased | 15.75 | 15.558 | -0.192 |
| 96 | 100 | LDR-Unbiased | 15.883 | 15.311 | -0.572 |
| 106 | 50 | LDR-Biased | 15.958 | 15.08 | -0.878 |
| 108 | 50 | LDR-Biased | 15.833 | 15.156 | -0.677 |
| 109 | 50 | LDR-Biased | 15.903 | 15.481 | -0.422 |
| 110 | 50 | LDR-Biased | 15.825 | 14.888 | -0.937 |
| 111 | 50 | LDR-Biased | 15.922 | 15.539 | -0.383 |
| 112 | 50 | LDR-Unbiased | 15.685 | 15.598 | -0.087 |
| 113 | 50 | LDR-Unbiased | 15.873 | 15.596 | -0.277 |
| 115 | 50 | LDR-Unbiased | 15.846 | 15.345 | -0.501 |
| 116 | 50 | LDR-Unbiased | 15.938 | 15.494 | -0.444 |
| 117 | 50 | LDR-Unbiased | 15.885 | 15.574 | -0.311 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.822 | 15.825 | 15.828 | 0.0042426 | 15.822 | 15.825 | 15.828 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 15.685 | 15.867 | 15.958 | 0.077809 | 15.537 | 15.792 | 15.97 | 0.16457 | -0.421 | -0.0744 | 0.252 | 0.19109 |
| 10 | 15.685 | 15.867 | 15.958 | 0.077809 | 15.293 | 15.633 | 15.885 | 0.22089 | -0.665 | -0.2336 | 0.2 | 0.25243 |
| 30 | 15.685 | 15.867 | 15.958 | 0.077809 | 14.965 | 15.528 | 15.733 | 0.23478 | -0.868 | -0.3383 | 0.025 | 0.24966 |
| 50 | 15.685 | 15.867 | 15.958 | 0.077809 | 14.888 | 15.375 | 15.598 | 0.25023 | -0.937 | -0.4917 | -0.087 | 0.26738 |
| 100 | 15.677 | 15.895 | 16.042 | 0.12973 | 15.311 | 15.518 | 15.766 | 0.17374 | -0.591 | -0.3765 | -0.102 | 0.17901 |

# Device Test: 18.39 Res_PD_EN4/EN4/7/3/0/0/2/@EN_RNMOS_LOW_V



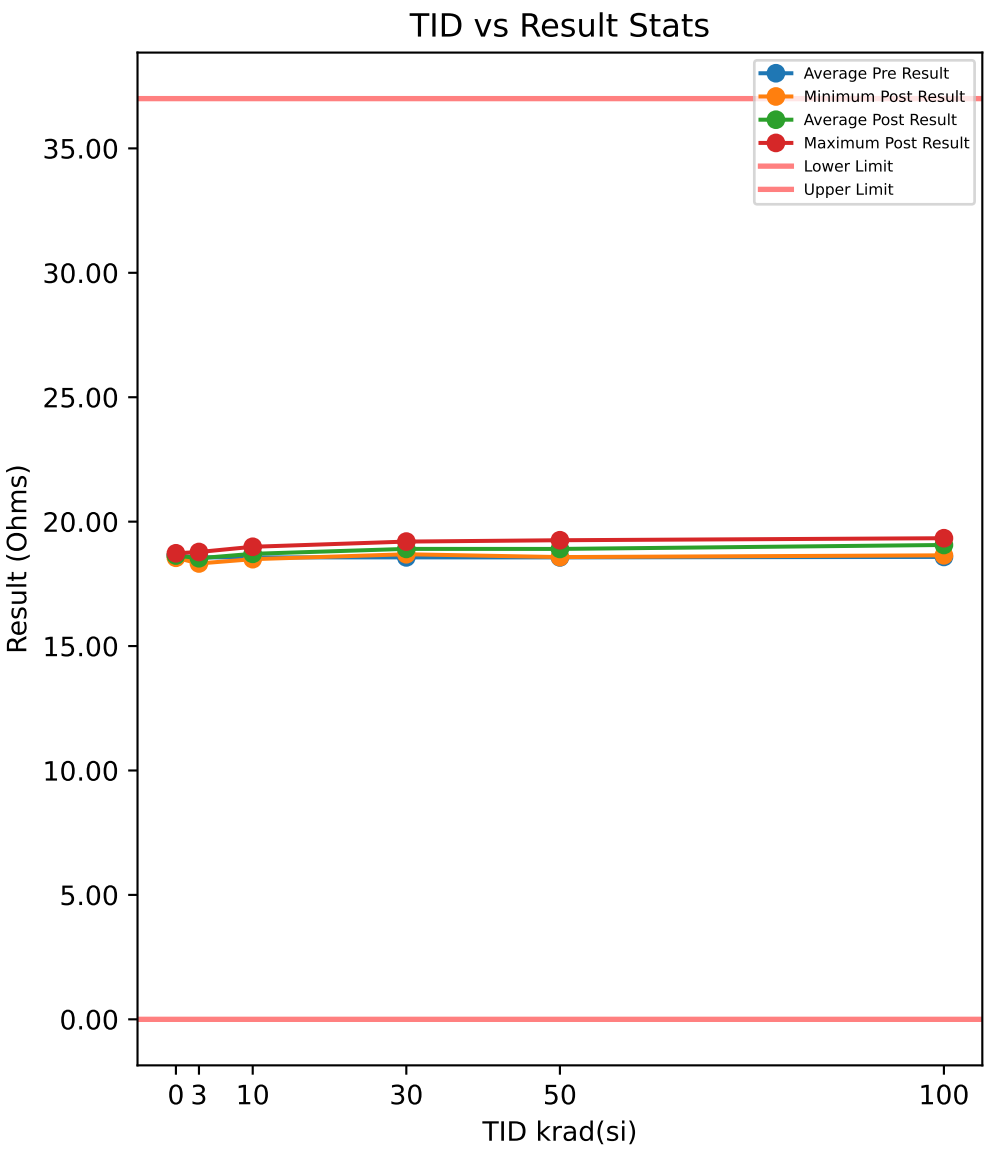

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

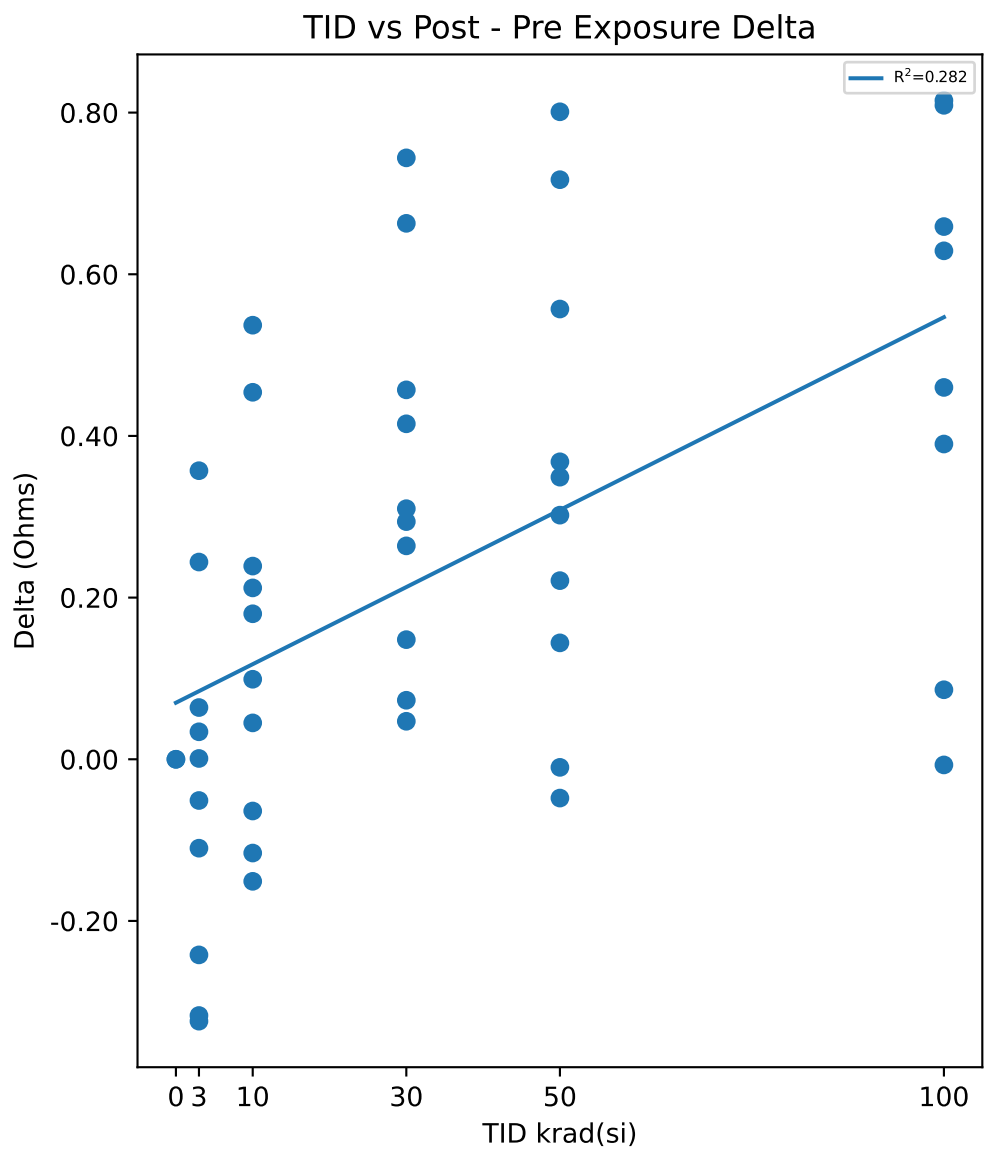
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.625 | 15.625 | 0 |
| 7 | 0 | Correlation | 15.612 | 15.612 | 0 |
| 16 | 3 | LDR-Biased | 15.709 | 15.282 | -0.427 |
| 18 | 3 | LDR-Biased | 15.647 | 15.382 | -0.265 |
| 19 | 3 | LDR-Biased | 15.617 | 15.662 | 0.045 |
| 20 | 3 | LDR-Biased | 15.586 | 15.395 | -0.191 |
| 21 | 3 | LDR-Biased | 15.713 | 15.689 | -0.024 |
| 22 | 3 | LDR-Unbiased | 15.556 | 15.757 | 0.201 |
| 23 | 3 | LDR-Unbiased | 15.615 | 15.67 | 0.055 |
| 25 | 3 | LDR-Unbiased | 15.577 | 15.484 | -0.093 |
| 26 | 3 | LDR-Unbiased | 15.683 | 15.609 | -0.074 |
| 27 | 3 | LDR-Unbiased | 15.687 | 15.652 | -0.035 |
| 46 | 10 | LDR-Biased | 15.709 | 15.005 | -0.704 |
| 48 | 10 | LDR-Biased | 15.647 | 15.094 | -0.553 |
| 49 | 10 | LDR-Biased | 15.617 | 15.395 | -0.222 |
| 50 | 10 | LDR-Biased | 15.586 | 15.128 | -0.458 |
| 51 | 10 | LDR-Biased | 15.713 | 15.441 | -0.272 |
| 52 | 10 | LDR-Unbiased | 15.556 | 15.694 | 0.138 |
| 53 | 10 | LDR-Unbiased | 15.615 | 15.618 | 0.003 |
| 55 | 10 | LDR-Unbiased | 15.577 | 15.412 | -0.165 |
| 56 | 10 | LDR-Unbiased | 15.683 | 15.532 | -0.151 |
| 57 | 10 | LDR-Unbiased | 15.687 | 15.578 | -0.109 |
| 76 | 30 | LDR-Biased | 15.709 | 15.092 | -0.617 |
| 78 | 30 | LDR-Biased | 15.647 | 14.728 | -0.919 |
| 79 | 30 | LDR-Biased | 15.617 | 15.451 | -0.166 |
| 80 | 30 | LDR-Biased | 15.586 | 15.235 | -0.351 |
| 81 | 30 | LDR-Biased | 15.713 | 15.424 | -0.289 |
| 82 | 30 | LDR-Unbiased | 15.556 | 15.556 | 0 |
| 83 | 30 | LDR-Unbiased | 15.615 | 15.491 | -0.124 |
| 84 | 30 | LDR-Unbiased | 15.687 | 15.427 | -0.26 |
| 85 | 30 | LDR-Unbiased | 15.577 | 15.293 | -0.284 |
| 86 | 30 | LDR-Unbiased | 15.683 | 15.404 | -0.279 |
| 87 | 100 | LDR-Biased | 15.784 | 15.233 | -0.551 |
| 88 | 100 | LDR-Biased | 15.78 | 15.574 | -0.206 |
| 90 | 100 | LDR-Biased | 15.683 | 15.582 | -0.101 |
| 91 | 100 | LDR-Unbiased | 15.548 | 15.164 | -0.384 |
| 93 | 100 | LDR-Unbiased | 15.727 | 15.283 | -0.444 |
| 94 | 100 | LDR-Unbiased | 15.749 | 15.237 | -0.512 |
| 95 | 100 | LDR-Unbiased | 15.556 | 15.316 | -0.24 |
| 96 | 100 | LDR-Unbiased | 15.689 | 15.09 | -0.599 |
| 106 | 50 | LDR-Biased | 15.709 | 14.824 | -0.885 |
| 108 | 50 | LDR-Biased | 15.647 | 14.916 | -0.731 |
| 109 | 50 | LDR-Biased | 15.617 | 15.242 | -0.375 |
| 110 | 50 | LDR-Biased | 15.586 | 14.663 | -0.923 |
| 111 | 50 | LDR-Biased | 15.713 | 15.277 | -0.436 |
| 112 | 50 | LDR-Unbiased | 15.556 | 15.42 | -0.136 |
| 113 | 50 | LDR-Unbiased | 15.615 | 15.339 | -0.276 |
| 115 | 50 | LDR-Unbiased | 15.577 | 15.128 | -0.449 |
| 116 | 50 | LDR-Unbiased | 15.683 | 15.269 | -0.414 |
| 117 | 50 | LDR-Unbiased | 15.687 | 15.305 | -0.382 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.612 | 15.619 | 15.625 | 0.0091924 | 15.612 | 15.619 | 15.625 | 0.0091924 | 0 | 0 | 0 | 0 |
| 3 | 15.556 | 15.639 | 15.713 | 0.05704 | 15.282 | 15.558 | 15.757 | 0.16012 | -0.427 | -0.0808 | 0.201 | 0.17799 |
| 10 | 15.556 | 15.639 | 15.713 | 0.05704 | 15.005 | 15.39 | 15.694 | 0.23746 | -0.704 | -0.2493 | 0.138 | 0.25689 |
| 30 | 15.556 | 15.639 | 15.713 | 0.05704 | 14.728 | 15.31 | 15.556 | 0.24514 | -0.919 | -0.3289 | 0 | 0.26231 |
| 50 | 15.556 | 15.639 | 15.713 | 0.05704 | 14.663 | 15.138 | 15.42 | 0.25138 | -0.923 | -0.5007 | -0.136 | 0.25966 |
| 100 | 15.548 | 15.69 | 15.784 | 0.092547 | 15.09 | 15.31 | 15.582 | 0.17945 | -0.599 | -0.37962 | -0.101 | 0.17986 |

# Device Test: 18.4 Res_PU_PWRDG/PWRGD/1.6/3/0/0/2/@PWRGD_RPMOS_LOW_V



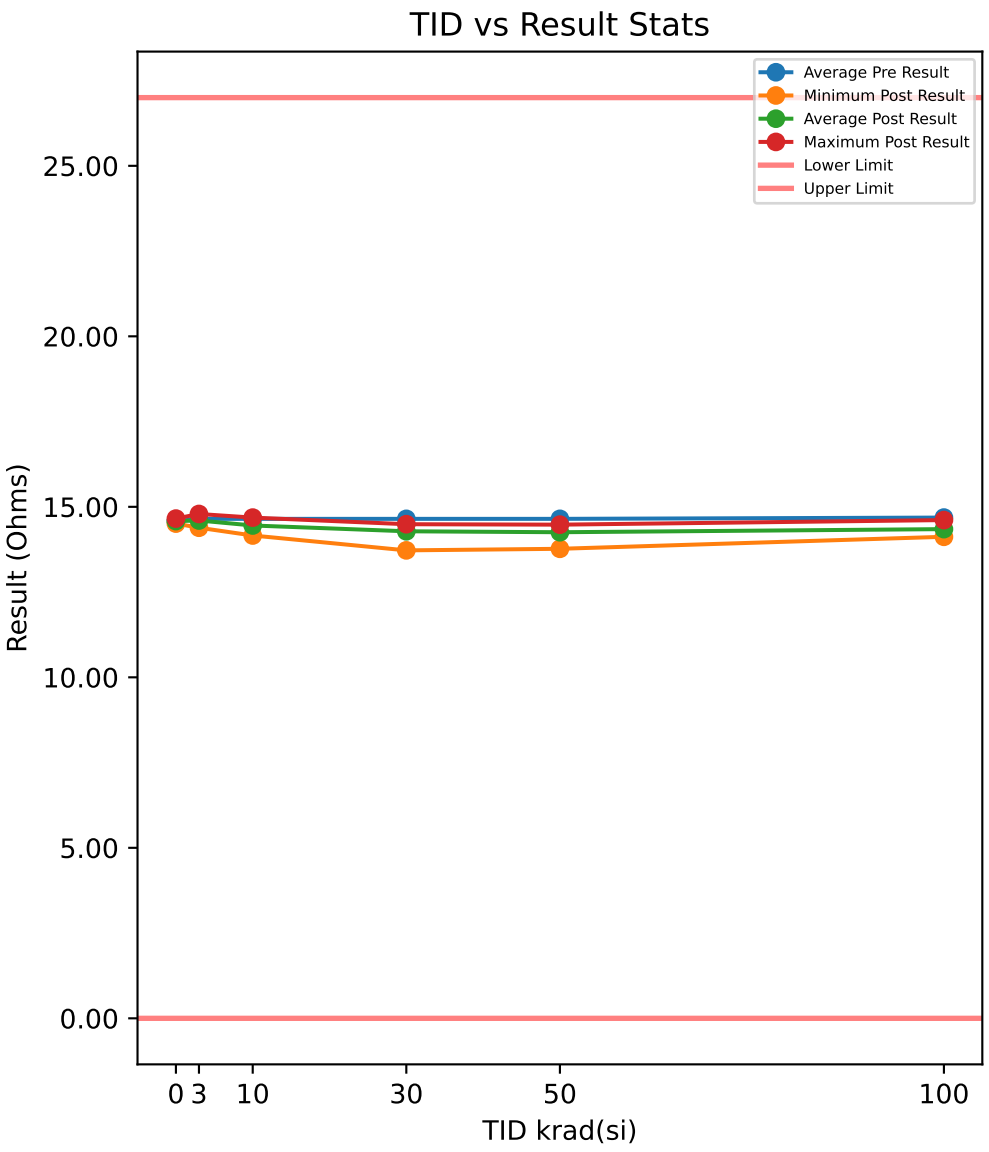

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

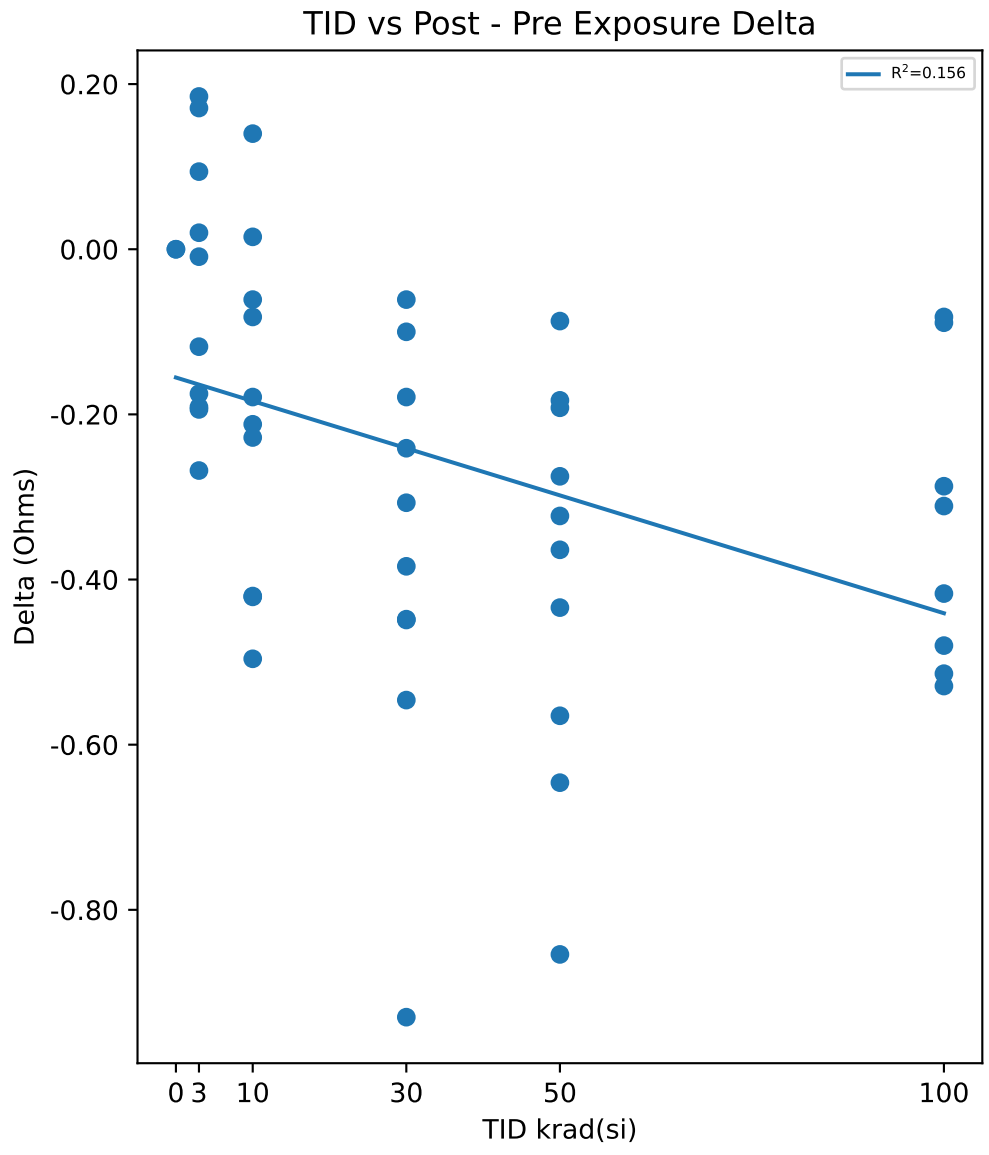
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 18.728 | 18.728 | 0 |
| 7 | 0 | Correlation | 18.548 | 18.548 | 0 |
| 16 | 3 | LDR-Biased | 18.586 | 18.344 | -0.242 |
| 18 | 3 | LDR-Biased | 18.518 | 18.552 | 0.034 |
| 19 | 3 | LDR-Biased | 18.604 | 18.553 | -0.051 |
| 20 | 3 | LDR-Biased | 18.643 | 18.319 | -0.324 |
| 21 | 3 | LDR-Biased | 18.477 | 18.478 | 0.001 |
| 22 | 3 | LDR-Unbiased | 18.721 | 18.404 | -0.317 |
| 23 | 3 | LDR-Unbiased | 18.316 | 18.673 | 0.357 |
| 25 | 3 | LDR-Unbiased | 18.536 | 18.78 | 0.244 |
| 26 | 3 | LDR-Unbiased | 18.576 | 18.64 | 0.064 |
| 27 | 3 | LDR-Unbiased | 18.658 | 18.548 | -0.11 |
| 46 | 10 | LDR-Biased | 18.586 | 18.522 | -0.064 |
| 48 | 10 | LDR-Biased | 18.518 | 18.73 | 0.212 |
| 49 | 10 | LDR-Biased | 18.604 | 18.703 | 0.099 |
| 50 | 10 | LDR-Biased | 18.643 | 18.492 | -0.151 |
| 51 | 10 | LDR-Biased | 18.477 | 18.657 | 0.18 |
| 52 | 10 | LDR-Unbiased | 18.721 | 18.605 | -0.116 |
| 53 | 10 | LDR-Unbiased | 18.316 | 18.853 | 0.537 |
| 55 | 10 | LDR-Unbiased | 18.536 | 18.99 | 0.454 |
| 56 | 10 | LDR-Unbiased | 18.576 | 18.815 | 0.239 |
| 57 | 10 | LDR-Unbiased | 18.658 | 18.703 | 0.045 |
| 76 | 30 | LDR-Biased | 18.586 | 18.734 | 0.148 |
| 78 | 30 | LDR-Biased | 18.518 | 18.933 | 0.415 |
| 79 | 30 | LDR-Biased | 18.604 | 18.898 | 0.294 |
| 80 | 30 | LDR-Biased | 18.643 | 18.69 | 0.047 |
| 81 | 30 | LDR-Biased | 18.477 | 18.787 | 0.31 |
| 82 | 30 | LDR-Unbiased | 18.721 | 18.794 | 0.073 |
| 83 | 30 | LDR-Unbiased | 18.316 | 19.06 | 0.744 |
| 84 | 30 | LDR-Unbiased | 18.658 | 18.922 | 0.264 |
| 85 | 30 | LDR-Unbiased | 18.536 | 19.199 | 0.663 |
| 86 | 30 | LDR-Unbiased | 18.576 | 19.033 | 0.457 |
| 87 | 100 | LDR-Biased | 18.486 | 19.301 | 0.815 |
| 88 | 100 | LDR-Biased | 18.654 | 18.647 | -0.007 |
| 90 | 100 | LDR-Biased | 18.573 | 18.659 | 0.086 |
| 91 | 100 | LDR-Unbiased | 18.705 | 19.334 | 0.629 |
| 93 | 100 | LDR-Unbiased | 18.486 | 19.295 | 0.809 |
| 94 | 100 | LDR-Unbiased | 18.618 | 19.008 | 0.39 |
| 95 | 100 | LDR-Unbiased | 18.48 | 19.139 | 0.659 |
| 96 | 100 | LDR-Unbiased | 18.658 | 19.118 | 0.46 |
| 106 | 50 | LDR-Biased | 18.586 | 18.576 | -0.01 |
| 108 | 50 | LDR-Biased | 18.518 | 18.886 | 0.368 |
| 109 | 50 | LDR-Biased | 18.604 | 18.825 | 0.221 |
| 110 | 50 | LDR-Biased | 18.643 | 18.595 | -0.048 |
| 111 | 50 | LDR-Biased | 18.477 | 18.779 | 0.302 |
| 112 | 50 | LDR-Unbiased | 18.721 | 18.865 | 0.144 |
| 113 | 50 | LDR-Unbiased | 18.316 | 19.117 | 0.801 |
| 115 | 50 | LDR-Unbiased | 18.536 | 19.253 | 0.717 |
| 116 | 50 | LDR-Unbiased | 18.576 | 19.133 | 0.557 |
| 117 | 50 | LDR-Unbiased | 18.658 | 19.007 | 0.349 |

## Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.548 | 18.638 | 18.728 | 0.12728 | 18.548 | 18.638 | 18.728 | 0.12728 | 0 | 0 | 0 | 0 |
| 3 | 18.316 | 18.563 | 18.721 | 0.11251 | 18.319 | 18.529 | 18.78 | 0.14685 | -0.324 | -0.0344 | 0.357 | 0.22586 |
| 10 | 18.316 | 18.563 | 18.721 | 0.11251 | 18.492 | 18.707 | 18.99 | 0.15165 | -0.151 | 0.1435 | 0.537 | 0.22978 |
| 30 | 18.316 | 18.563 | 18.721 | 0.11251 | 18.69 | 18.905 | 19.199 | 0.15975 | 0.047 | 0.3415 | 0.744 | 0.23325 |
| 50 | 18.316 | 18.563 | 18.721 | 0.11251 | 18.576 | 18.904 | 19.253 | 0.22534 | -0.048 | 0.3401 | 0.801 | 0.28474 |
| 100 | 18.48 | 18.582 | 18.705 | 0.089682 | 18.647 | 19.063 | 19.334 | 0.27568 | -0.007 | 0.48012 | 0.815 | 0.31067 |

# Device Test: 18.40 Res_PD_PWRDG/PWRGD/7/3/0/0/2/@PWRGD_RNMOS_LOW_V



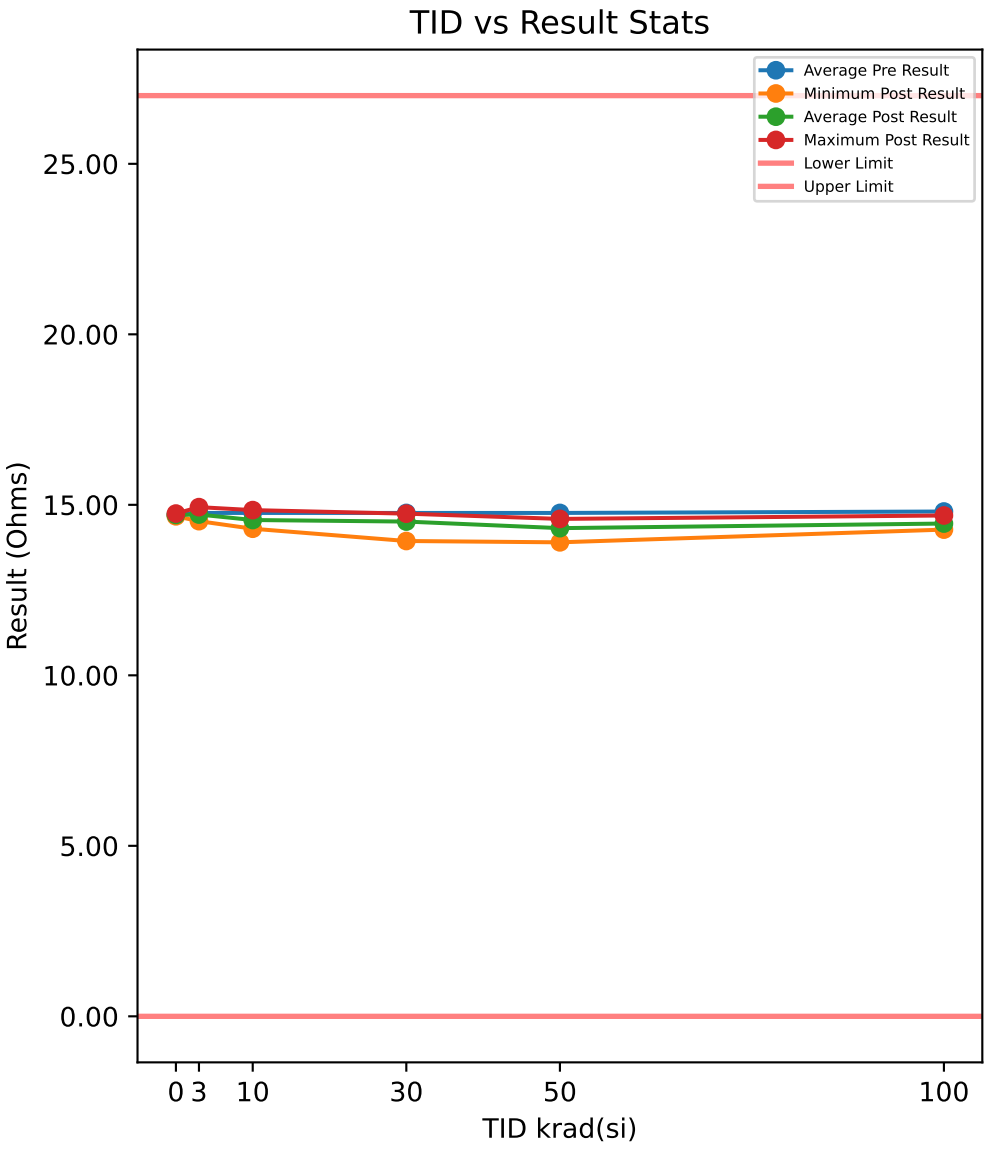

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

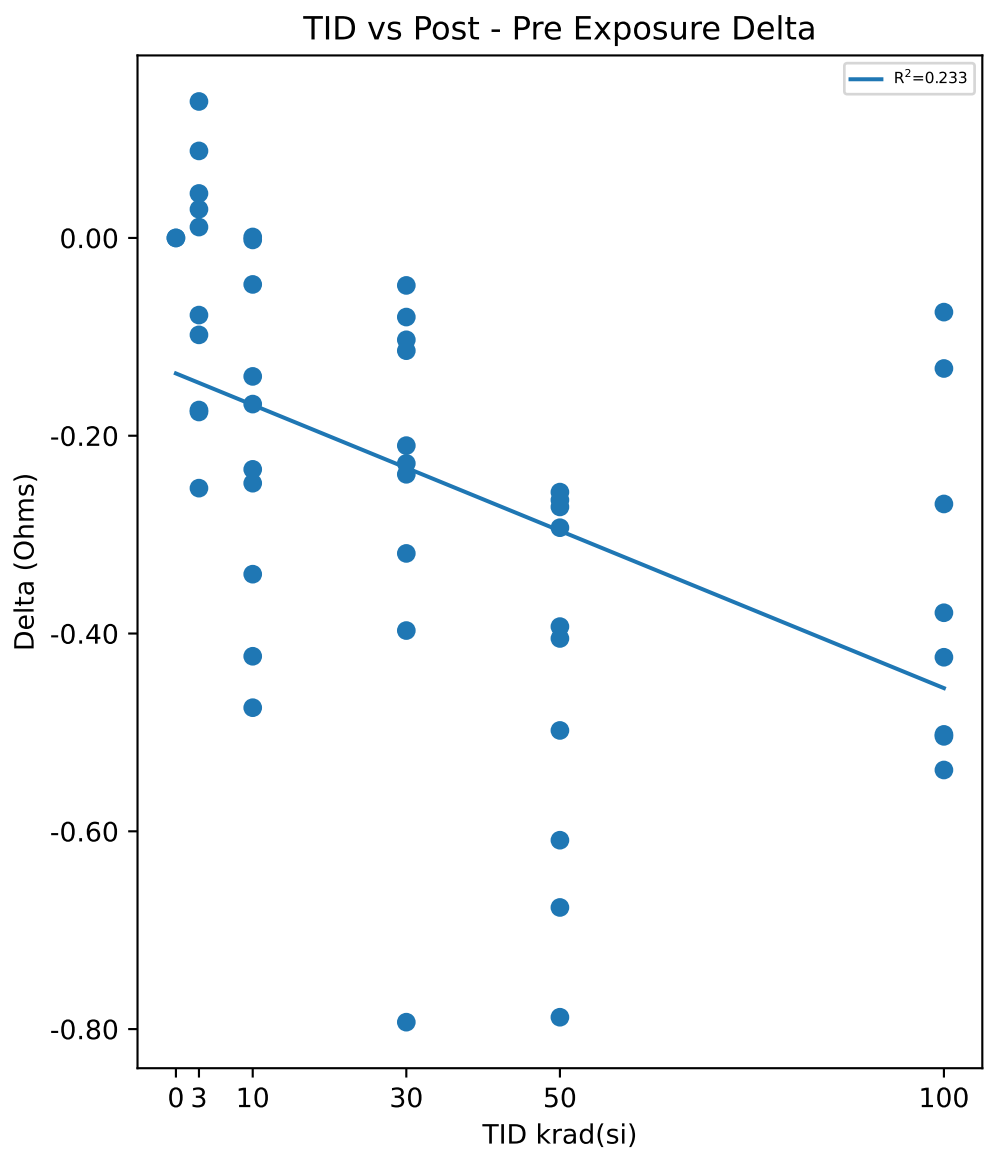
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.655 | 14.655 | 0 |
| 7 | 0 | Correlation | 14.508 | 14.508 | 0 |
| 16 | 3 | LDR-Biased | 14.655 | 14.387 | -0.268 |
| 18 | 3 | LDR-Biased | 14.653 | 14.462 | -0.191 |
| 19 | 3 | LDR-Biased | 14.55 | 14.721 | 0.171 |
| 20 | 3 | LDR-Biased | 14.623 | 14.429 | -0.194 |
| 21 | 3 | LDR-Biased | 14.77 | 14.79 | 0.02 |
| 22 | 3 | LDR-Unbiased | 14.543 | 14.728 | 0.185 |
| 23 | 3 | LDR-Unbiased | 14.655 | 14.646 | -0.009 |
| 25 | 3 | LDR-Unbiased | 14.616 | 14.441 | -0.175 |
| 26 | 3 | LDR-Unbiased | 14.737 | 14.619 | -0.118 |
| 27 | 3 | LDR-Unbiased | 14.669 | 14.763 | 0.094 |
| 46 | 10 | LDR-Biased | 14.655 | 14.159 | -0.496 |
| 48 | 10 | LDR-Biased | 14.653 | 14.233 | -0.42 |
| 49 | 10 | LDR-Biased | 14.55 | 14.468 | -0.082 |
| 50 | 10 | LDR-Biased | 14.623 | 14.202 | -0.421 |
| 51 | 10 | LDR-Biased | 14.77 | 14.558 | -0.212 |
| 52 | 10 | LDR-Unbiased | 14.543 | 14.683 | 0.14 |
| 53 | 10 | LDR-Unbiased | 14.655 | 14.594 | -0.061 |
| 55 | 10 | LDR-Unbiased | 14.616 | 14.388 | -0.228 |
| 56 | 10 | LDR-Unbiased | 14.737 | 14.558 | -0.179 |
| 57 | 10 | LDR-Unbiased | 14.669 | 14.684 | 0.015 |
| 76 | 30 | LDR-Biased | 14.655 | 14.109 | -0.546 |
| 78 | 30 | LDR-Biased | 14.653 | 13.723 | -0.93 |
| 79 | 30 | LDR-Biased | 14.55 | 14.45 | -0.1 |
| 80 | 30 | LDR-Biased | 14.623 | 14.174 | -0.449 |
| 81 | 30 | LDR-Biased | 14.77 | 14.463 | -0.307 |
| 82 | 30 | LDR-Unbiased | 14.543 | 14.482 | -0.061 |
| 83 | 30 | LDR-Unbiased | 14.655 | 14.414 | -0.241 |
| 84 | 30 | LDR-Unbiased | 14.669 | 14.49 | -0.179 |
| 85 | 30 | LDR-Unbiased | 14.616 | 14.168 | -0.448 |
| 86 | 30 | LDR-Unbiased | 14.737 | 14.353 | -0.384 |
| 87 | 100 | LDR-Biased | 14.816 | 14.287 | -0.529 |
| 88 | 100 | LDR-Biased | 14.7 | 14.611 | -0.089 |
| 90 | 100 | LDR-Biased | 14.688 | 14.606 | -0.082 |
| 91 | 100 | LDR-Unbiased | 14.538 | 14.121 | -0.417 |
| 93 | 100 | LDR-Unbiased | 14.788 | 14.274 | -0.514 |
| 94 | 100 | LDR-Unbiased | 14.681 | 14.37 | -0.311 |
| 95 | 100 | LDR-Unbiased | 14.603 | 14.316 | -0.287 |
| 96 | 100 | LDR-Unbiased | 14.664 | 14.184 | -0.48 |
| 106 | 50 | LDR-Biased | 14.655 | 14.009 | -0.646 |
| 108 | 50 | LDR-Biased | 14.653 | 14.088 | -0.565 |
| 109 | 50 | LDR-Biased | 14.55 | 14.367 | -0.183 |
| 110 | 50 | LDR-Biased | 14.623 | 13.769 | -0.854 |
| 111 | 50 | LDR-Biased | 14.77 | 14.447 | -0.323 |
| 112 | 50 | LDR-Unbiased | 14.543 | 14.456 | -0.087 |
| 113 | 50 | LDR-Unbiased | 14.655 | 14.38 | -0.275 |
| 115 | 50 | LDR-Unbiased | 14.616 | 14.182 | -0.434 |
| 116 | 50 | LDR-Unbiased | 14.737 | 14.373 | -0.364 |
| 117 | 50 | LDR-Unbiased | 14.669 | 14.477 | -0.192 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.508 | 14.581 | 14.655 | 0.10394 | 14.508 | 14.581 | 14.655 | 0.10394 | 0 | 0 | 0 | 0 |
| 3 | 14.543 | 14.647 | 14.77 | 0.071211 | 14.387 | 14.599 | 14.79 | 0.15459 | -0.268 | -0.0485 | 0.185 | 0.16321 |
| 10 | 14.543 | 14.647 | 14.77 | 0.071211 | 14.159 | 14.453 | 14.684 | 0.19734 | -0.496 | -0.1944 | 0.14 | 0.20575 |
| 30 | 14.543 | 14.647 | 14.77 | 0.071211 | 13.723 | 14.283 | 14.49 | 0.24353 | -0.93 | -0.3645 | -0.061 | 0.25435 |
| 50 | 14.543 | 14.647 | 14.77 | 0.071211 | 13.769 | 14.255 | 14.477 | 0.23537 | -0.854 | -0.3923 | -0.087 | 0.23702 |
| 100 | 14.538 | 14.685 | 14.816 | 0.090074 | 14.121 | 14.346 | 14.611 | 0.17922 | -0.529 | -0.33862 | -0.082 | 0.17918 |

# Device Test: 18.41 Res_PD_SEQ/SEQ_DONE/7/3/0/0/2/@SEQDONE_RNMOS_LOW_V



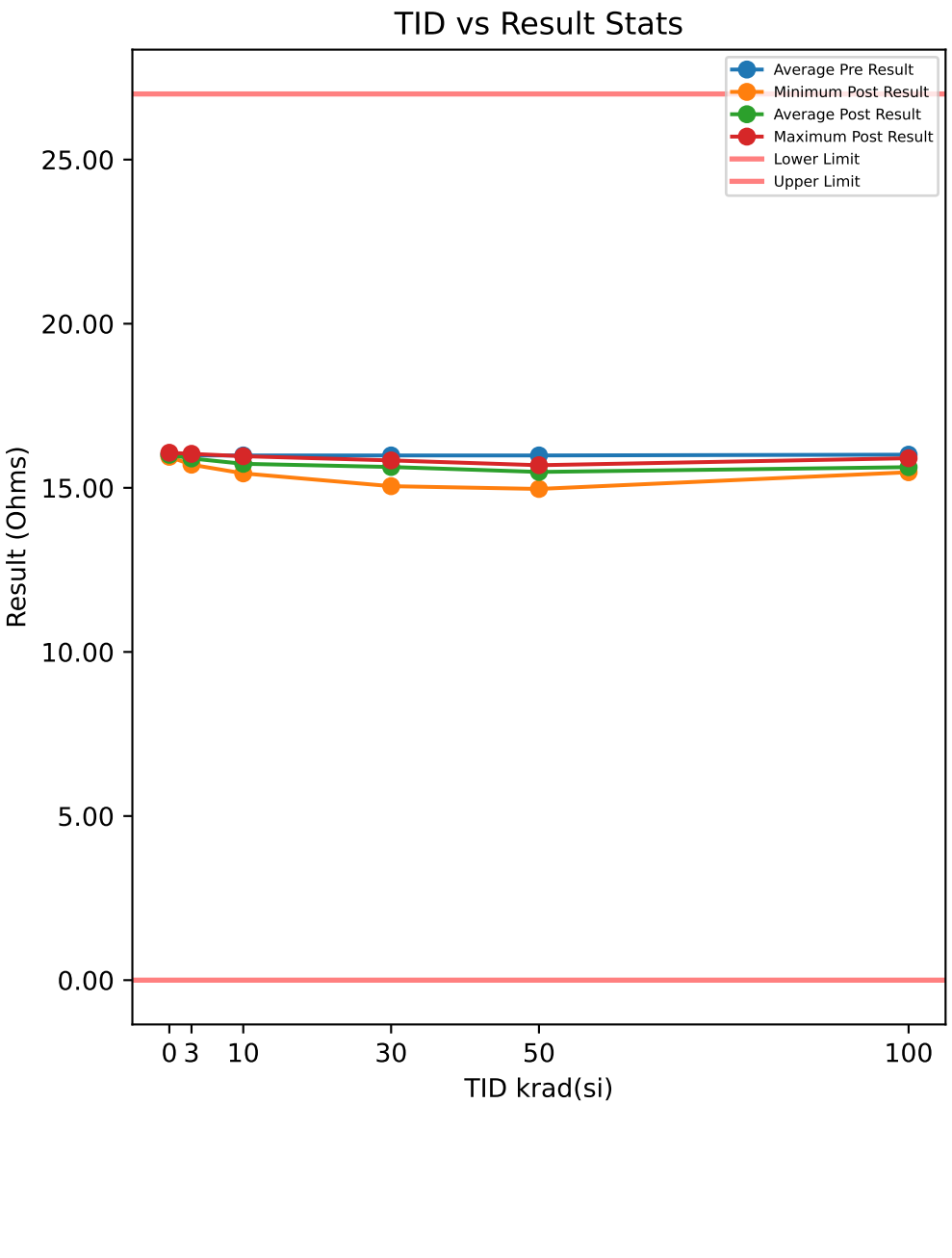

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.744 | 14.744 | 0 |
| 7 | 0 | Correlation | 14.663 | 14.663 | 0 |
| 16 | 3 | LDR-Biased | 14.774 | 14.521 | -0.253 |
| 18 | 3 | LDR-Biased | 14.732 | 14.558 | -0.174 |
| 19 | 3 | LDR-Biased | 14.724 | 14.862 | 0.138 |
| 20 | 3 | LDR-Biased | 14.688 | 14.59 | -0.098 |
| 21 | 3 | LDR-Biased | 14.873 | 14.902 | 0.029 |
| 22 | 3 | LDR-Unbiased | 14.702 | 14.747 | 0.045 |
| 23 | 3 | LDR-Unbiased | 14.736 | 14.747 | 0.011 |
| 25 | 3 | LDR-Unbiased | 14.75 | 14.574 | -0.176 |
| 26 | 3 | LDR-Unbiased | 14.796 | 14.718 | -0.078 |
| 27 | 3 | LDR-Unbiased | 14.844 | 14.932 | 0.088 |
| 46 | 10 | LDR-Biased | 14.774 | 14.299 | -0.475 |
| 48 | 10 | LDR-Biased | 14.732 | 14.309 | -0.423 |
| 49 | 10 | LDR-Biased | 14.724 | 14.584 | -0.14 |
| 50 | 10 | LDR-Biased | 14.688 | 14.348 | -0.34 |
| 51 | 10 | LDR-Biased | 14.873 | 14.625 | -0.248 |
| 52 | 10 | LDR-Unbiased | 14.702 | 14.7 | -0.002 |
| 53 | 10 | LDR-Unbiased | 14.736 | 14.689 | -0.047 |
| 55 | 10 | LDR-Unbiased | 14.75 | 14.516 | -0.234 |
| 56 | 10 | LDR-Unbiased | 14.796 | 14.628 | -0.168 |
| 57 | 10 | LDR-Unbiased | 14.844 | 14.845 | 0.001 |
| 76 | 30 | LDR-Biased | 14.774 | 14.377 | -0.397 |
| 78 | 30 | LDR-Biased | 14.732 | 13.939 | -0.793 |
| 79 | 30 | LDR-Biased | 14.724 | 14.676 | -0.048 |
| 80 | 30 | LDR-Biased | 14.688 | 14.46 | -0.228 |
| 81 | 30 | LDR-Biased | 14.873 | 14.663 | -0.21 |
| 82 | 30 | LDR-Unbiased | 14.702 | 14.622 | -0.08 |
| 83 | 30 | LDR-Unbiased | 14.736 | 14.622 | -0.114 |
| 84 | 30 | LDR-Unbiased | 14.844 | 14.741 | -0.103 |
| 85 | 30 | LDR-Unbiased | 14.75 | 14.431 | -0.319 |
| 86 | 30 | LDR-Unbiased | 14.796 | 14.557 | -0.239 |
| 87 | 100 | LDR-Biased | 14.861 | 14.357 | -0.504 |
| 88 | 100 | LDR-Biased | 14.813 | 14.681 | -0.132 |
| 90 | 100 | LDR-Biased | 14.762 | 14.687 | -0.075 |
| 91 | 100 | LDR-Unbiased | 14.697 | 14.273 | -0.424 |
| 93 | 100 | LDR-Unbiased | 14.887 | 14.349 | -0.538 |
| 94 | 100 | LDR-Unbiased | 14.795 | 14.526 | -0.269 |
| 95 | 100 | LDR-Unbiased | 14.769 | 14.39 | -0.379 |
| 96 | 100 | LDR-Unbiased | 14.846 | 14.344 | -0.502 |
| 106 | 50 | LDR-Biased | 14.774 | 14.097 | -0.677 |
| 108 | 50 | LDR-Biased | 14.732 | 14.123 | -0.609 |
| 109 | 50 | LDR-Biased | 14.724 | 14.452 | -0.272 |
| 110 | 50 | LDR-Biased | 14.688 | 13.9 | -0.788 |
| 111 | 50 | LDR-Biased | 14.873 | 14.48 | -0.393 |
| 112 | 50 | LDR-Unbiased | 14.702 | 14.437 | -0.265 |
| 113 | 50 | LDR-Unbiased | 14.736 | 14.443 | -0.293 |
| 115 | 50 | LDR-Unbiased | 14.75 | 14.252 | -0.498 |
| 116 | 50 | LDR-Unbiased | 14.796 | 14.391 | -0.405 |
| 117 | 50 | LDR-Unbiased | 14.844 | 14.587 | -0.257 |

Test Statistics (Ohms)

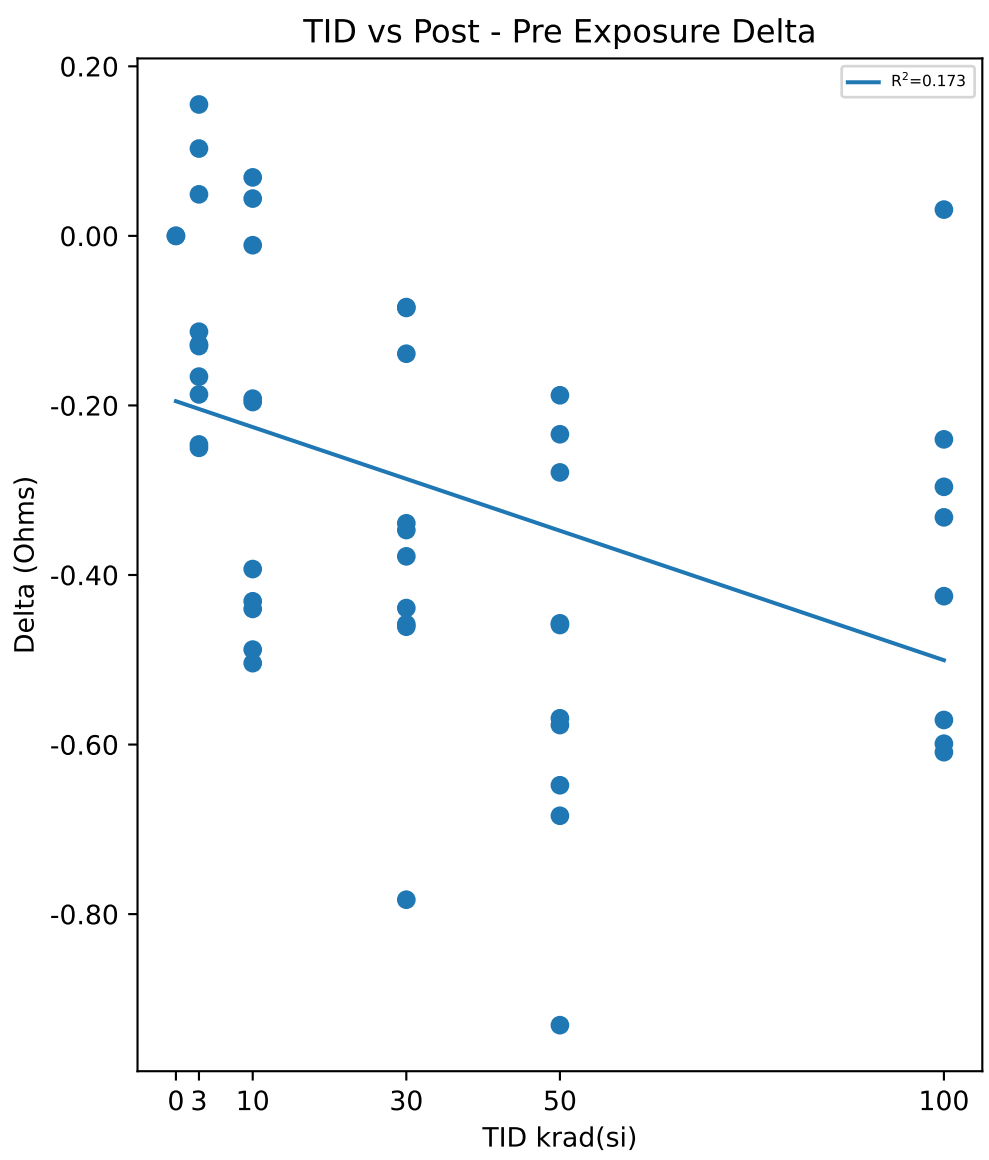
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.663 | 14.704 | 14.744 | 0.057276 | 14.663 | 14.704 | 14.744 | 0.057276 | 0 | 0 | 0 | 0 |
| 3 | 14.688 | 14.762 | 14.873 | 0.060171 | 14.521 | 14.715 | 14.932 | 0.15038 | -0.253 | -0.0468 | 0.138 | 0.12859 |
| 10 | 14.688 | 14.762 | 14.873 | 0.060171 | 14.299 | 14.554 | 14.845 | 0.18396 | -0.475 | -0.2076 | 0.001 | 0.16848 |
| 30 | 14.688 | 14.762 | 14.873 | 0.060171 | 13.939 | 14.509 | 14.741 | 0.23192 | -0.793 | -0.2531 | -0.048 | 0.21938 |
| 50 | 14.688 | 14.762 | 14.873 | 0.060171 | 13.9 | 14.316 | 14.587 | 0.2154 | -0.788 | -0.4457 | -0.257 | 0.1904 |
| 100 | 14.697 | 14.804 | 14.887 | 0.06153 | 14.273 | 14.451 | 14.687 | 0.1605 | -0.538 | -0.35288 | -0.075 | 0.17652 |

# Device Test: 18.42 Res_PD_EN1/EN1/7/14/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.945 | 15.945 | 0 |
| 7 | 0 | Correlation | 16.068 | 16.068 | 0 |
| 16 | 3 | LDR-Biased | 16.058 | 15.812 | -0.246 |
| 18 | 3 | LDR-Biased | 15.833 | 15.705 | -0.128 |
| 19 | 3 | LDR-Biased | 16.019 | 15.769 | -0.25 |
| 20 | 3 | LDR-Biased | 15.897 | 15.71 | -0.187 |
| 21 | 3 | LDR-Biased | 16.151 | 15.985 | -0.166 |
| 22 | 3 | LDR-Unbiased | 15.919 | 16.022 | 0.103 |
| 23 | 3 | LDR-Unbiased | 15.898 | 15.947 | 0.049 |
| 25 | 3 | LDR-Unbiased | 16.08 | 15.95 | -0.13 |
| 26 | 3 | LDR-Unbiased | 16.148 | 16.035 | -0.113 |
| 27 | 3 | LDR-Unbiased | 15.858 | 16.013 | 0.155 |
| 46 | 10 | LDR-Biased | 16.058 | 15.57 | -0.488 |
| 48 | 10 | LDR-Biased | 15.833 | 15.44 | -0.393 |
| 49 | 10 | LDR-Biased | 16.019 | 15.515 | -0.504 |
| 50 | 10 | LDR-Biased | 15.897 | 15.457 | -0.44 |
| 51 | 10 | LDR-Biased | 16.151 | 15.72 | -0.431 |
| 52 | 10 | LDR-Unbiased | 15.919 | 15.963 | 0.044 |
| 53 | 10 | LDR-Unbiased | 15.898 | 15.887 | -0.011 |
| 55 | 10 | LDR-Unbiased | 16.08 | 15.884 | -0.196 |
| 56 | 10 | LDR-Unbiased | 16.148 | 15.956 | -0.192 |
| 57 | 10 | LDR-Unbiased | 15.858 | 15.927 | 0.069 |
| 76 | 30 | LDR-Biased | 16.058 | 15.619 | -0.439 |
| 78 | 30 | LDR-Biased | 15.833 | 15.05 | -0.783 |
| 79 | 30 | LDR-Biased | 16.019 | 15.558 | -0.461 |
| 80 | 30 | LDR-Biased | 15.897 | 15.519 | -0.378 |
| 81 | 30 | LDR-Biased | 16.151 | 15.693 | -0.458 |
| 82 | 30 | LDR-Unbiased | 15.919 | 15.835 | -0.084 |
| 83 | 30 | LDR-Unbiased | 15.898 | 15.759 | -0.139 |
| 84 | 30 | LDR-Unbiased | 15.858 | 15.773 | -0.085 |
| 85 | 30 | LDR-Unbiased | 16.08 | 15.741 | -0.339 |
| 86 | 30 | LDR-Unbiased | 16.148 | 15.801 | -0.347 |
| 87 | 100 | LDR-Biased | 16.156 | 15.585 | -0.571 |
| 88 | 100 | LDR-Biased | 16.141 | 15.901 | -0.24 |
| 90 | 100 | LDR-Biased | 15.865 | 15.896 | 0.031 |
| 91 | 100 | LDR-Unbiased | 15.911 | 15.486 | -0.425 |
| 93 | 100 | LDR-Unbiased | 16.161 | 15.562 | -0.599 |
| 94 | 100 | LDR-Unbiased | 16.084 | 15.475 | -0.609 |
| 95 | 100 | LDR-Unbiased | 15.903 | 15.607 | -0.296 |
| 96 | 100 | LDR-Unbiased | 15.856 | 15.524 | -0.332 |
| 106 | 50 | LDR-Biased | 16.058 | 15.374 | -0.684 |
| 108 | 50 | LDR-Biased | 15.833 | 15.256 | -0.577 |
| 109 | 50 | LDR-Biased | 16.019 | 15.371 | -0.648 |
| 110 | 50 | LDR-Biased | 15.897 | 14.966 | -0.931 |
| 111 | 50 | LDR-Biased | 16.151 | 15.582 | -0.569 |
| 112 | 50 | LDR-Unbiased | 15.919 | 15.685 | -0.234 |
| 113 | 50 | LDR-Unbiased | 15.898 | 15.619 | -0.279 |
| 115 | 50 | LDR-Unbiased | 16.08 | 15.623 | -0.457 |
| 116 | 50 | LDR-Unbiased | 16.148 | 15.689 | -0.459 |
| 117 | 50 | LDR-Unbiased | 15.858 | 15.67 | -0.188 |

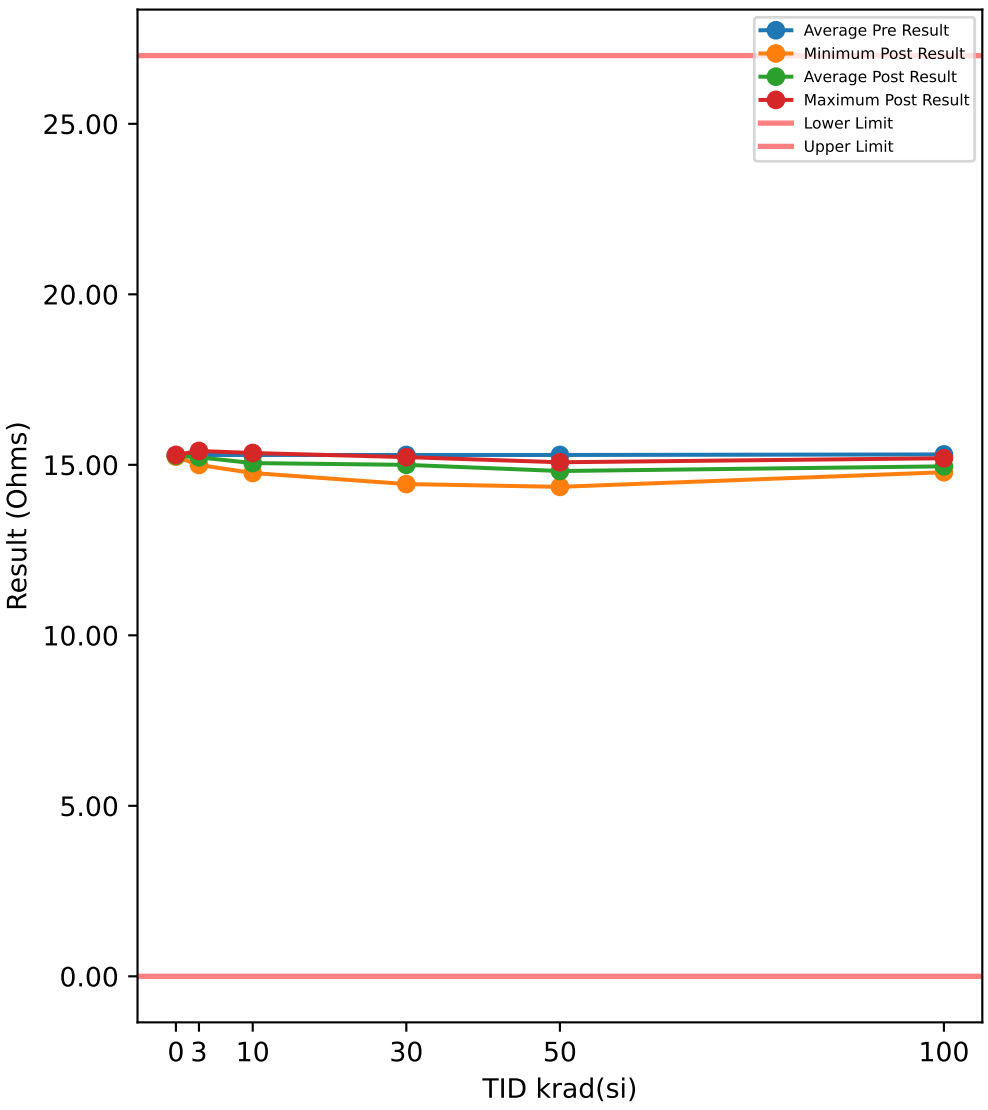



Test Statistics (Ohms)

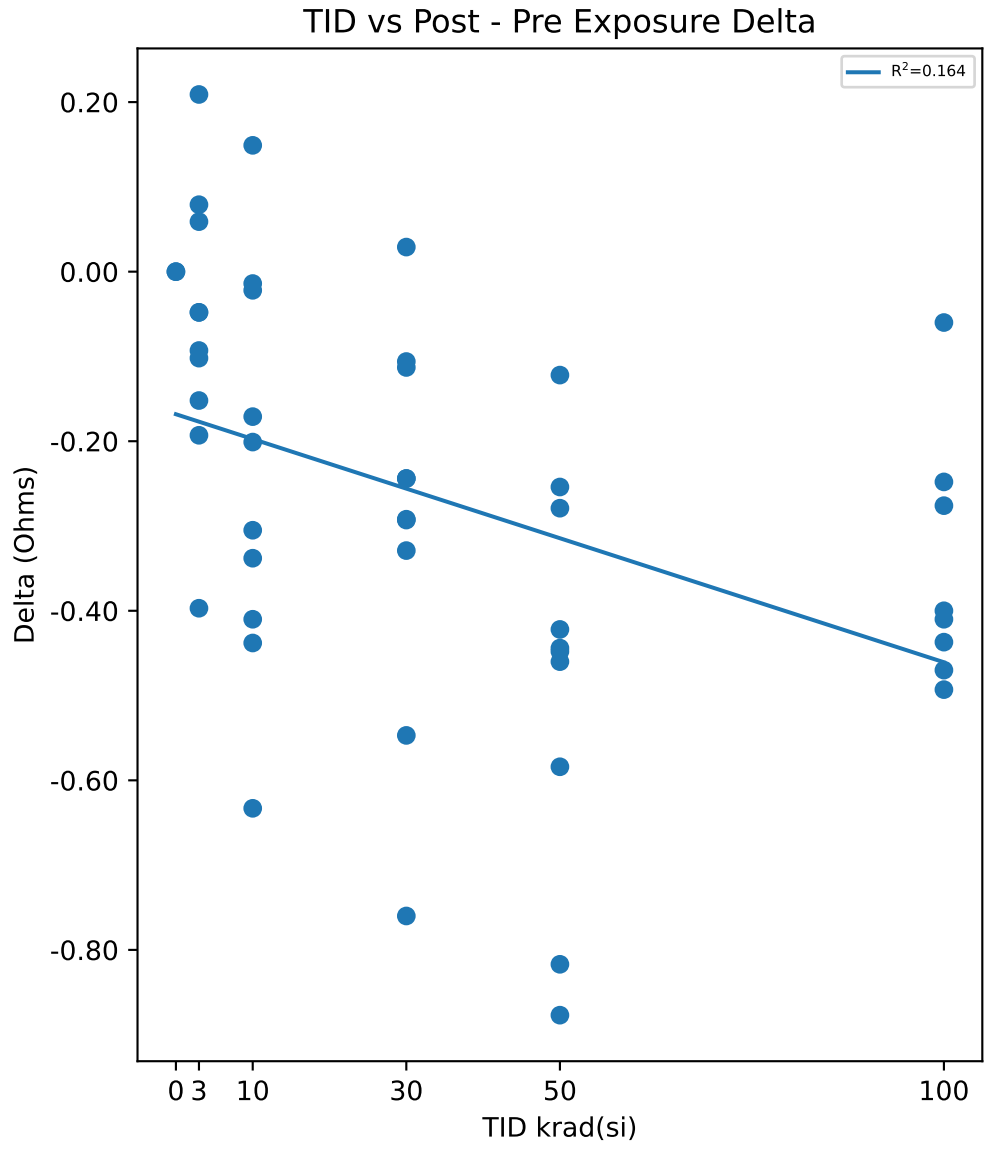
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.945 | 16.007 | 16.068 | 0.086974 | 15.945 | 16.007 | 16.068 | 0.086974 | 0 | 0 | 0 | 0 |
| 3 | 15.833 | 15.986 | 16.151 | 0.1195 | 15.705 | 15.895 | 16.035 | 0.1319 | -0.25 | -0.0913 | 0.155 | 0.14348 |
| 10 | 15.833 | 15.986 | 16.151 | 0.1195 | 15.44 | 15.732 | 15.963 | 0.21681 | -0.504 | -0.2542 | 0.069 | 0.22654 |
| 30 | 15.833 | 15.986 | 16.151 | 0.1195 | 15.05 | 15.635 | 15.835 | 0.23056 | -0.783 | -0.3513 | -0.084 | 0.21234 |
| 50 | 15.833 | 15.986 | 16.151 | 0.1195 | 14.966 | 15.484 | 15.689 | 0.2379 | -0.931 | -0.5026 | -0.188 | 0.22916 |
| 100 | 15.856 | 16.01 | 16.161 | 0.13771 | 15.475 | 15.63 | 15.901 | 0.17212 | -0.609 | -0.38012 | 0.031 | 0.21935 |

# Device Test: 18.43 Res_PD_EN2/EN2/7/14/0/0/2/@EN_RNMOS_LOW_V

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



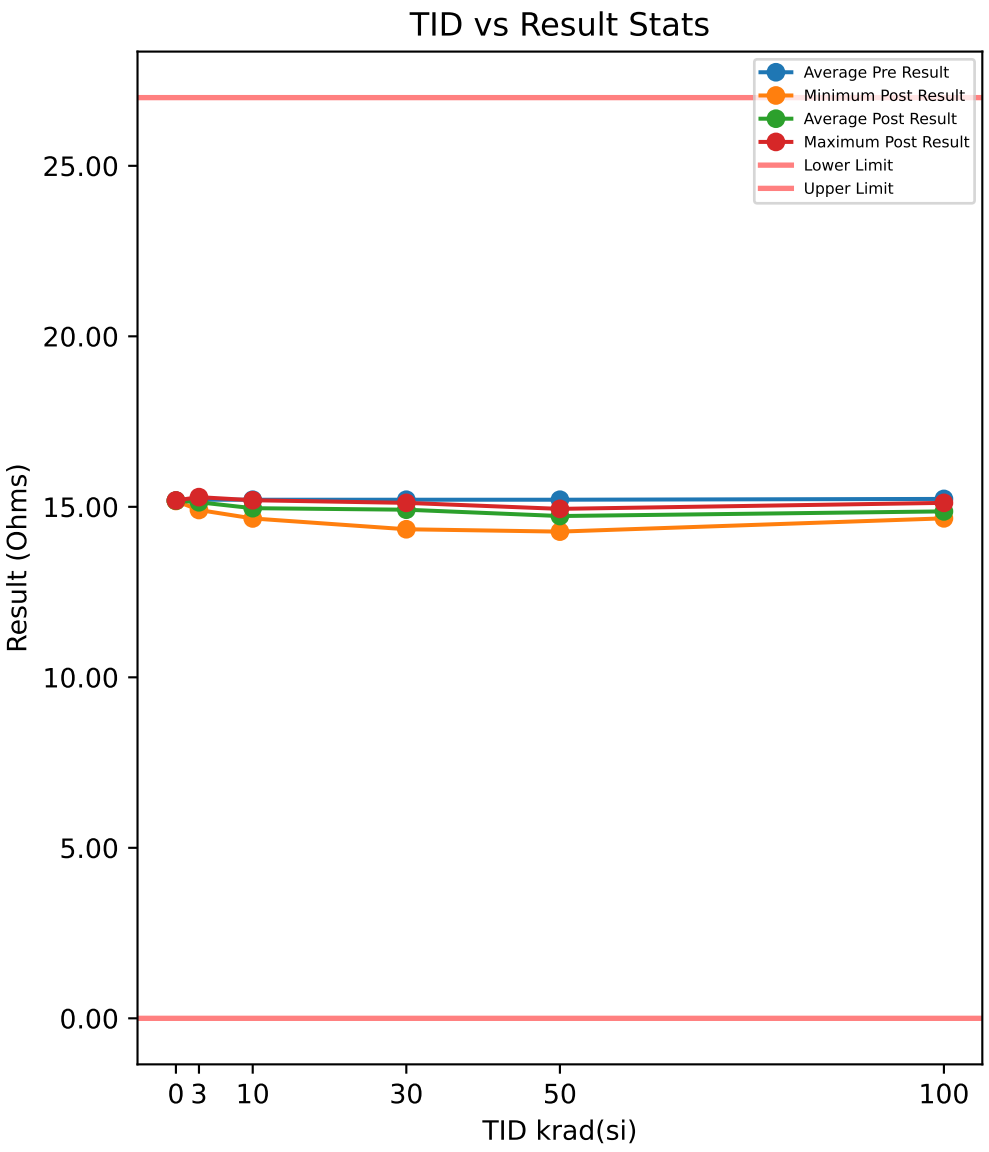

## Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.239 | 15.239 | 0 |
| 7 | 0 | Correlation | 15.291 | 15.291 | 0 |
| 16 | 3 | LDR-Biased | 15.393 | 14.996 | -0.397 |
| 18 | 3 | LDR-Biased | 15.196 | 15.044 | -0.152 |
| 19 | 3 | LDR-Biased | 15.326 | 15.278 | -0.048 |
| 20 | 3 | LDR-Biased | 15.231 | 15.038 | -0.193 |
| 21 | 3 | LDR-Biased | 15.367 | 15.319 | -0.048 |
| 22 | 3 | LDR-Unbiased | 15.197 | 15.406 | 0.209 |
| 23 | 3 | LDR-Unbiased | 15.283 | 15.342 | 0.059 |
| 25 | 3 | LDR-Unbiased | 15.278 | 15.185 | -0.093 |
| 26 | 3 | LDR-Unbiased | 15.4 | 15.298 | -0.102 |
| 27 | 3 | LDR-Unbiased | 15.22 | 15.299 | 0.079 |
| 46 | 10 | LDR-Biased | 15.393 | 14.76 | -0.633 |
| 48 | 10 | LDR-Biased | 15.196 | 14.786 | -0.41 |
| 49 | 10 | LDR-Biased | 15.326 | 14.988 | -0.338 |
| 50 | 10 | LDR-Biased | 15.231 | 14.793 | -0.438 |
| 51 | 10 | LDR-Biased | 15.367 | 15.062 | -0.305 |
| 52 | 10 | LDR-Unbiased | 15.197 | 15.346 | 0.149 |
| 53 | 10 | LDR-Unbiased | 15.283 | 15.261 | -0.022 |
| 55 | 10 | LDR-Unbiased | 15.278 | 15.107 | -0.171 |
| 56 | 10 | LDR-Unbiased | 15.4 | 15.199 | -0.201 |
| 57 | 10 | LDR-Unbiased | 15.22 | 15.206 | -0.014 |
| 76 | 30 | LDR-Biased | 15.393 | 14.846 | -0.547 |
| 78 | 30 | LDR-Biased | 15.196 | 14.436 | -0.76 |
| 79 | 30 | LDR-Biased | 15.326 | 15.082 | -0.244 |
| 80 | 30 | LDR-Biased | 15.231 | 14.902 | -0.329 |
| 81 | 30 | LDR-Biased | 15.367 | 15.074 | -0.293 |
| 82 | 30 | LDR-Unbiased | 15.197 | 15.226 | 0.029 |
| 83 | 30 | LDR-Unbiased | 15.283 | 15.17 | -0.113 |
| 84 | 30 | LDR-Unbiased | 15.22 | 15.114 | -0.106 |
| 85 | 30 | LDR-Unbiased | 15.278 | 15.034 | -0.244 |
| 86 | 30 | LDR-Unbiased | 15.4 | 15.108 | -0.292 |
| 87 | 100 | LDR-Biased | 15.341 | 14.871 | -0.47 |
| 88 | 100 | LDR-Biased | 15.441 | 15.193 | -0.248 |
| 90 | 100 | LDR-Biased | 15.241 | 15.181 | -0.06 |
| 91 | 100 | LDR-Unbiased | 15.183 | 14.783 | -0.4 |
| 93 | 100 | LDR-Unbiased | 15.379 | 14.942 | -0.437 |
| 94 | 100 | LDR-Unbiased | 15.417 | 14.924 | -0.493 |
| 95 | 100 | LDR-Unbiased | 15.203 | 14.927 | -0.276 |
| 96 | 100 | LDR-Unbiased | 15.233 | 14.823 | -0.41 |
| 106 | 50 | LDR-Biased | 15.393 | 14.576 | -0.817 |
| 108 | 50 | LDR-Biased | 15.196 | 14.612 | -0.584 |
| 109 | 50 | LDR-Biased | 15.326 | 14.866 | -0.46 |
| 110 | 50 | LDR-Biased | 15.231 | 14.354 | -0.877 |
| 111 | 50 | LDR-Biased | 15.367 | 14.919 | -0.448 |
| 112 | 50 | LDR-Unbiased | 15.197 | 15.075 | -0.122 |
| 113 | 50 | LDR-Unbiased | 15.283 | 15.004 | -0.279 |
| 115 | 50 | LDR-Unbiased | 15.278 | 14.856 | -0.422 |
| 116 | 50 | LDR-Unbiased | 15.4 | 14.956 | -0.444 |
| 117 | 50 | LDR-Unbiased | 15.22 | 14.966 | -0.254 |

## Test Statistics (Ohms)

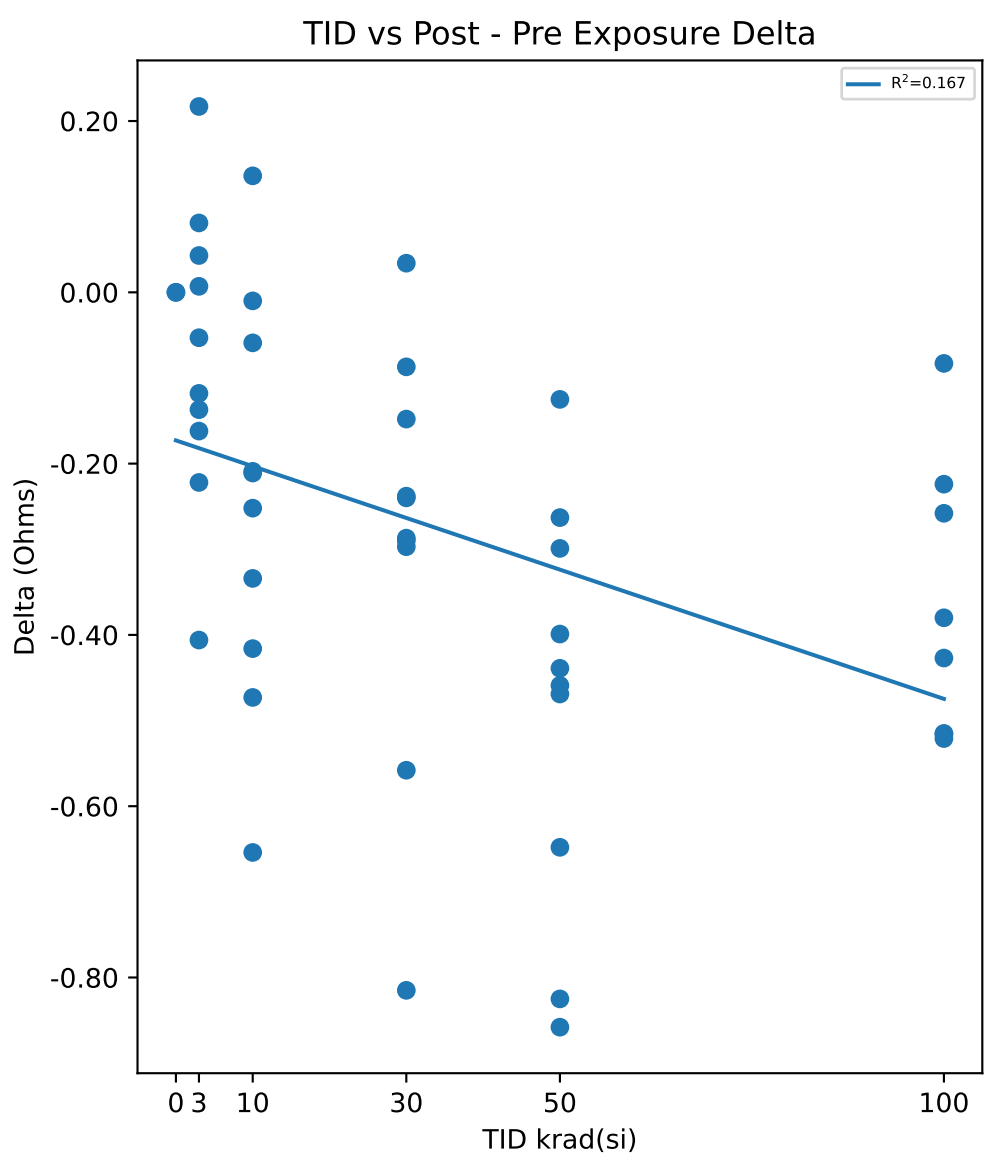
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.239 | 15.265 | 15.291 | 0.03677 | 15.239 | 15.265 | 15.291 | 0.03677 | 0 | 0 | 0 | 0 |
| 3 | 15.196 | 15.289 | 15.4 | 0.07887 | 14.996 | 15.221 | 15.406 | 0.14548 | -0.397 | -0.0686 | 0.209 | 0.16599 |
| 10 | 15.196 | 15.289 | 15.4 | 0.07887 | 14.76 | 15.051 | 15.346 | 0.21233 | -0.633 | -0.2383 | 0.149 | 0.23394 |
| 30 | 15.196 | 15.289 | 15.4 | 0.07887 | 14.436 | 14.999 | 15.226 | 0.22838 | -0.76 | -0.2899 | 0.029 | 0.22599 |
| 50 | 15.196 | 15.289 | 15.4 | 0.07887 | 14.354 | 14.818 | 15.075 | 0.22897 | -0.877 | -0.4707 | -0.122 | 0.23731 |
| 100 | 15.183 | 15.305 | 15.441 | 0.10169 | 14.783 | 14.956 | 15.193 | 0.15292 | -0.493 | -0.34925 | -0.06 | 0.14565 |

# Device Test: 18.44 Res_PD_EN3/EN3/7/14/0/0/2/@EN_RNMOS_LOW_V




Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 15.172 | 15.172 | 0 |
| 7 | 0 | Correlation | 15.188 | 15.188 | 0 |
| 16 | 3 | LDR-Biased | 15.313 | 14.907 | -0.406 |
| 18 | 3 | LDR-Biased | 15.157 | 14.935 | -0.222 |
| 19 | 3 | LDR-Biased | 15.27 | 15.217 | -0.053 |
| 20 | 3 | LDR-Biased | 15.131 | 14.969 | -0.162 |
| 21 | 3 | LDR-Biased | 15.26 | 15.267 | 0.007 |
| 22 | 3 | LDR-Unbiased | 15.053 | 15.27 | 0.217 |
| 23 | 3 | LDR-Unbiased | 15.203 | 15.284 | 0.081 |
| 25 | 3 | LDR-Unbiased | 15.193 | 15.056 | -0.137 |
| 26 | 3 | LDR-Unbiased | 15.32 | 15.202 | -0.118 |
| 27 | 3 | LDR-Unbiased | 15.182 | 15.225 | 0.043 |
| 46 | 10 | LDR-Biased | 15.313 | 14.659 | -0.654 |
| 48 | 10 | LDR-Biased | 15.157 | 14.684 | -0.473 |
| 49 | 10 | LDR-Biased | 15.27 | 14.936 | -0.334 |
| 50 | 10 | LDR-Biased | 15.131 | 14.715 | -0.416 |
| 51 | 10 | LDR-Biased | 15.26 | 15.008 | -0.252 |
| 52 | 10 | LDR-Unbiased | 15.053 | 15.189 | 0.136 |
| 53 | 10 | LDR-Unbiased | 15.203 | 15.193 | -0.01 |
| 55 | 10 | LDR-Unbiased | 15.193 | 14.982 | -0.211 |
| 56 | 10 | LDR-Unbiased | 15.32 | 15.111 | -0.209 |
| 57 | 10 | LDR-Unbiased | 15.182 | 15.123 | -0.059 |
| 76 | 30 | LDR-Biased | 15.313 | 14.755 | -0.558 |
| 78 | 30 | LDR-Biased | 15.157 | 14.342 | -0.815 |
| 79 | 30 | LDR-Biased | 15.27 | 15.032 | -0.238 |
| 80 | 30 | LDR-Biased | 15.131 | 14.841 | -0.29 |
| 81 | 30 | LDR-Biased | 15.26 | 15.02 | -0.24 |
| 82 | 30 | LDR-Unbiased | 15.053 | 15.087 | 0.034 |
| 83 | 30 | LDR-Unbiased | 15.203 | 15.116 | -0.087 |
| 84 | 30 | LDR-Unbiased | 15.182 | 15.034 | -0.148 |
| 85 | 30 | LDR-Unbiased | 15.193 | 14.896 | -0.297 |
| 86 | 30 | LDR-Unbiased | 15.32 | 15.033 | -0.287 |
| 87 | 100 | LDR-Biased | 15.335 | 14.814 | -0.521 |
| 88 | 100 | LDR-Biased | 15.374 | 15.116 | -0.258 |
| 90 | 100 | LDR-Biased | 15.199 | 15.116 | -0.083 |
| 91 | 100 | LDR-Unbiased | 15.048 | 14.668 | -0.38 |
| 93 | 100 | LDR-Unbiased | 15.273 | 14.846 | -0.427 |
| 94 | 100 | LDR-Unbiased | 15.339 | 14.824 | -0.515 |
| 95 | 100 | LDR-Unbiased | 15.108 | 14.884 | -0.224 |
| 96 | 100 | LDR-Unbiased | 15.178 | 14.662 | -0.516 |
| 106 | 50 | LDR-Biased | 15.313 | 14.488 | -0.825 |
| 108 | 50 | LDR-Biased | 15.157 | 14.509 | -0.648 |
| 109 | 50 | LDR-Biased | 15.27 | 14.801 | -0.469 |
| 110 | 50 | LDR-Biased | 15.131 | 14.273 | -0.858 |
| 111 | 50 | LDR-Biased | 15.26 | 14.861 | -0.399 |
| 112 | 50 | LDR-Unbiased | 15.053 | 14.928 | -0.125 |
| 113 | 50 | LDR-Unbiased | 15.203 | 14.94 | -0.263 |
| 115 | 50 | LDR-Unbiased | 15.193 | 14.734 | -0.459 |
| 116 | 50 | LDR-Unbiased | 15.32 | 14.881 | -0.439 |
| 117 | 50 | LDR-Unbiased | 15.182 | 14.883 | -0.299 |

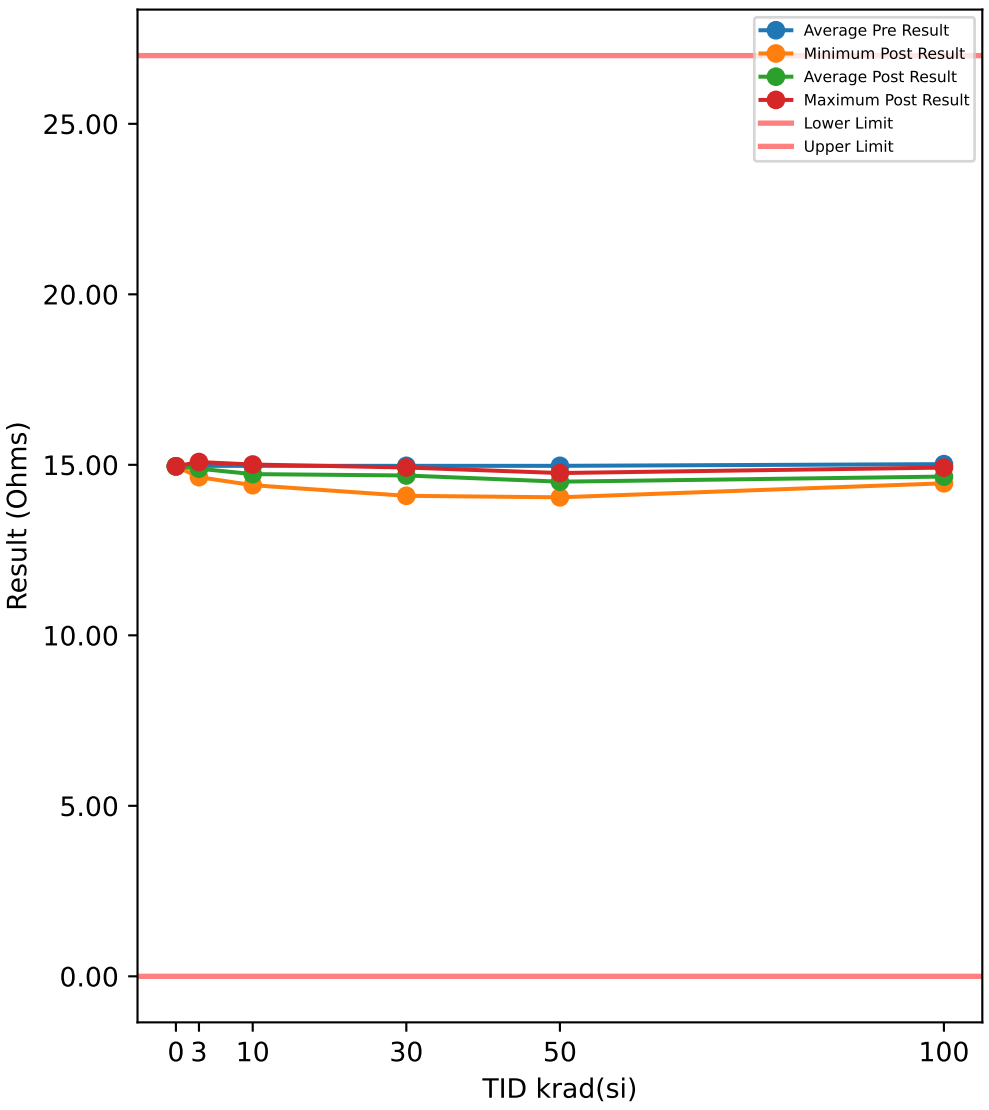



Test Statistics (Ohms)

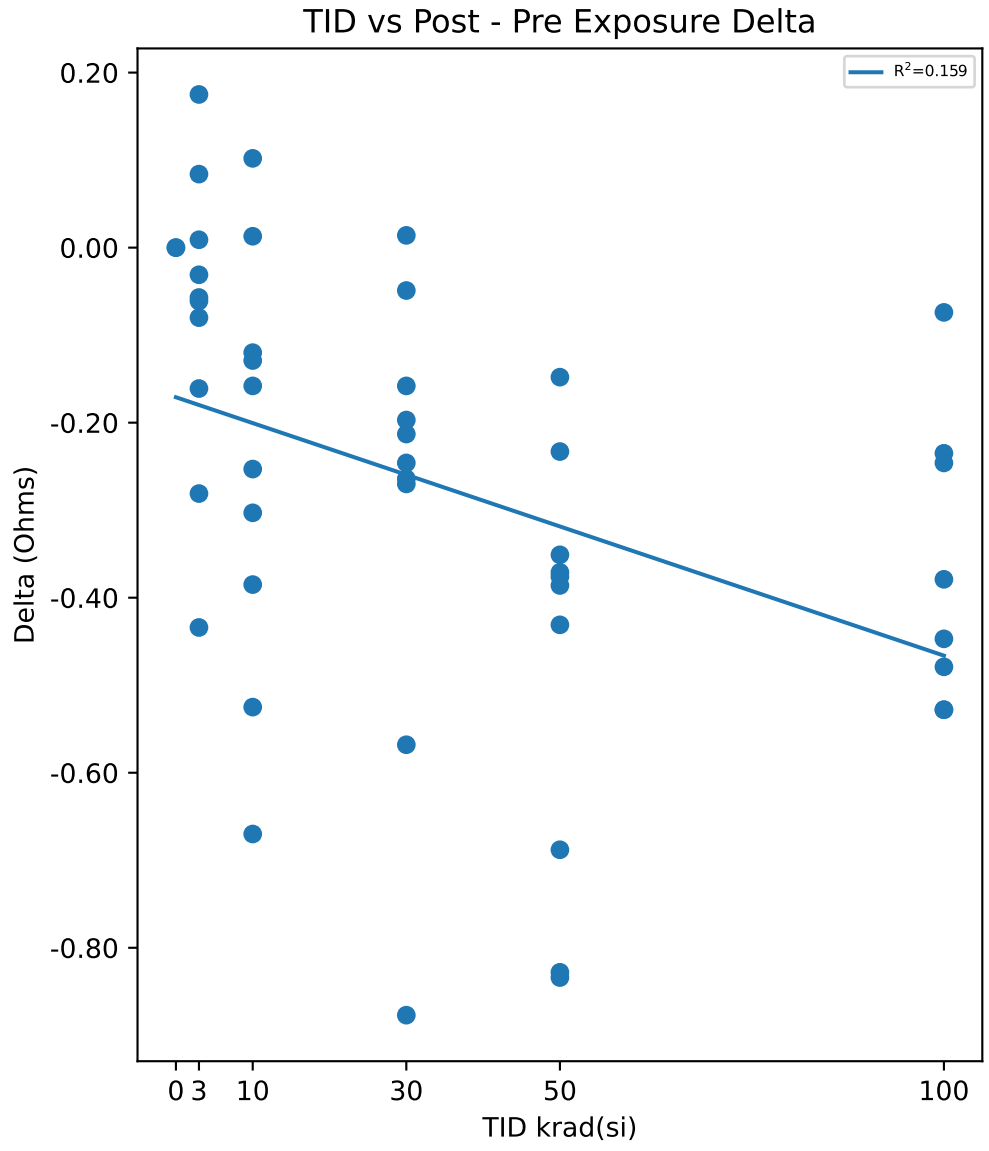
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 15.172 | 15.18 | 15.188 | 0.011314 | 15.172 | 15.18 | 15.188 | 0.011314 | 0 | 0 | 0 | 0 |
| 3 | 15.053 | 15.208 | 15.32 | 0.084062 | 14.907 | 15.133 | 15.284 | 0.15015 | -0.406 | -0.075 | 0.217 | 0.17485 |
| 10 | 15.053 | 15.208 | 15.32 | 0.084062 | 14.659 | 14.96 | 15.193 | 0.20717 | -0.654 | -0.2482 | 0.136 | 0.23424 |
| 30 | 15.053 | 15.208 | 15.32 | 0.084062 | 14.342 | 14.916 | 15.116 | 0.23155 | -0.815 | -0.2926 | 0.034 | 0.24014 |
| 50 | 15.053 | 15.208 | 15.32 | 0.084062 | 14.273 | 14.73 | 14.94 | 0.22803 | -0.858 | -0.4784 | -0.125 | 0.23683 |
| 100 | 15.048 | 15.232 | 15.374 | 0.1178 | 14.662 | 14.866 | 15.116 | 0.17362 | -0.521 | -0.3655 | -0.083 | 0.16237 |

# Device Test: 18.45 Res_PD_EN4/EN4/7/14/0/0/2/@EN_RNMOS_LOW_V

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



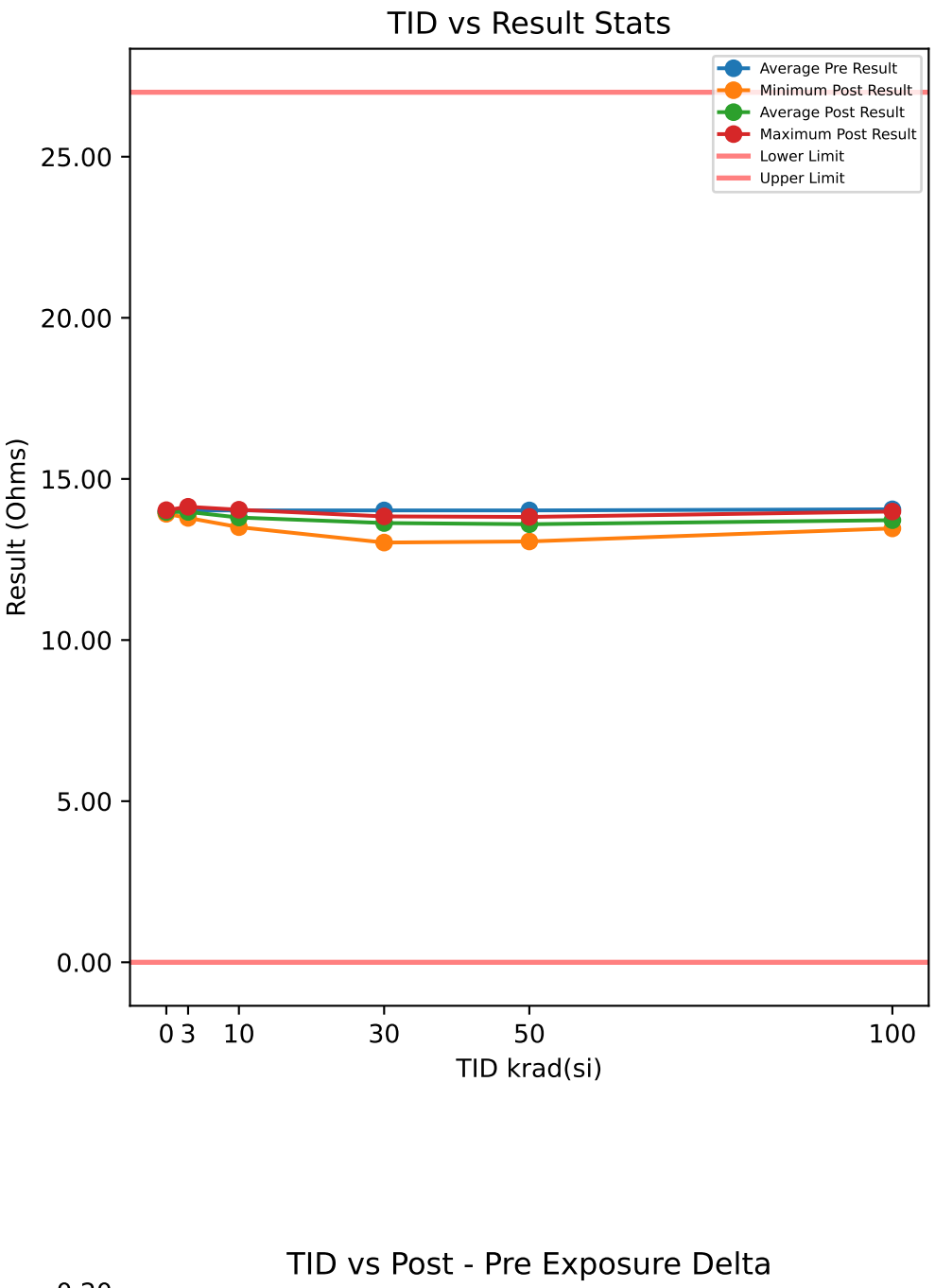

## Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

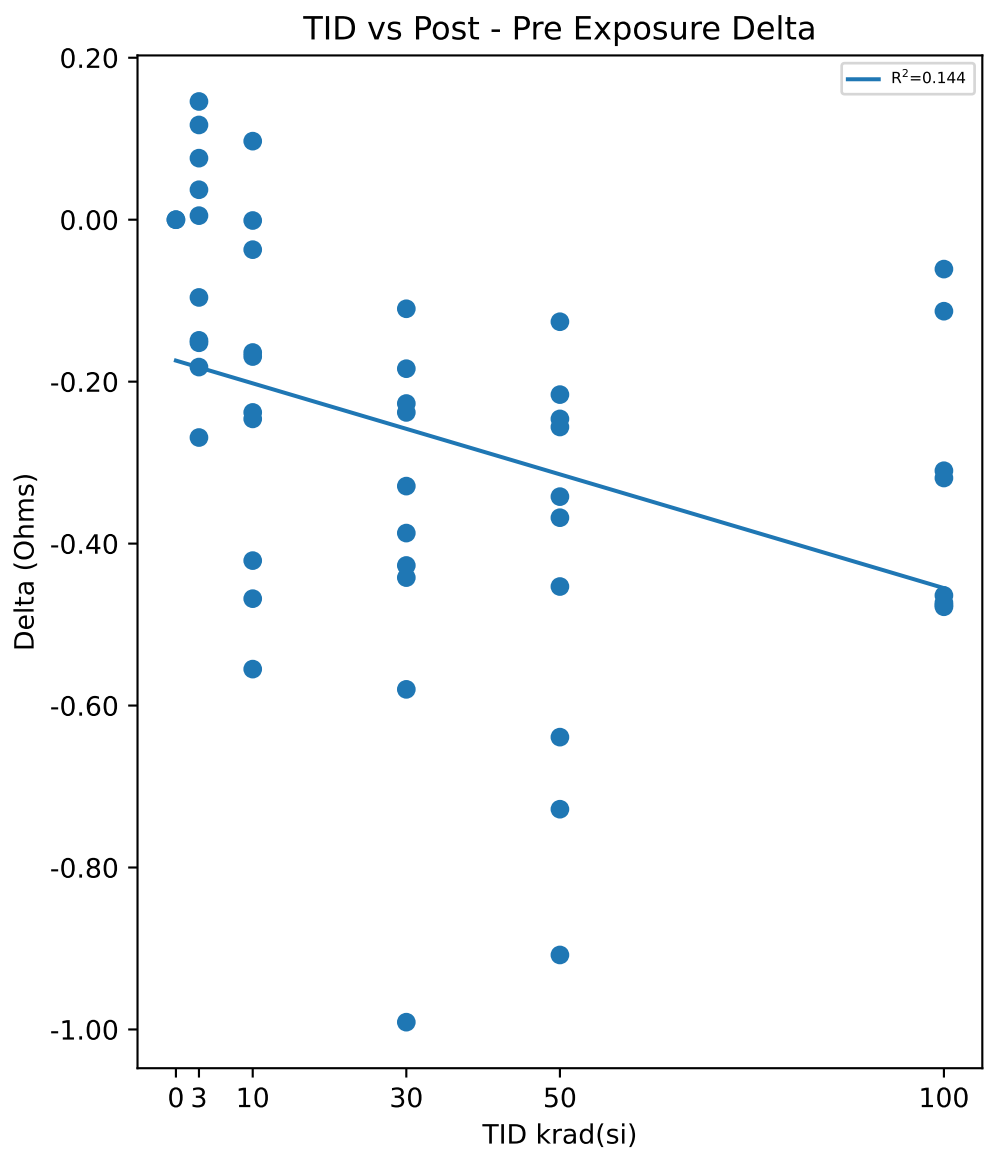
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.957 | 14.957 | 0 |
| 7 | 0 | Correlation | 14.954 | 14.954 | 0 |
| 16 | 3 | LDR-Biased | 15.073 | 14.639 | -0.434 |
| 18 | 3 | LDR-Biased | 14.968 | 14.687 | -0.281 |
| 19 | 3 | LDR-Biased | 14.966 | 14.975 | 0.009 |
| 20 | 3 | LDR-Biased | 14.875 | 14.714 | -0.161 |
| 21 | 3 | LDR-Biased | 15.051 | 14.994 | -0.057 |
| 22 | 3 | LDR-Unbiased | 14.907 | 15.082 | 0.175 |
| 23 | 3 | LDR-Unbiased | 14.925 | 15.009 | 0.084 |
| 25 | 3 | LDR-Unbiased | 14.905 | 14.844 | -0.061 |
| 26 | 3 | LDR-Unbiased | 15.052 | 14.972 | -0.08 |
| 27 | 3 | LDR-Unbiased | 14.981 | 14.95 | -0.031 |
| 46 | 10 | LDR-Biased | 15.073 | 14.403 | -0.67 |
| 48 | 10 | LDR-Biased | 14.968 | 14.443 | -0.525 |
| 49 | 10 | LDR-Biased | 14.966 | 14.713 | -0.253 |
| 50 | 10 | LDR-Biased | 14.875 | 14.49 | -0.385 |
| 51 | 10 | LDR-Biased | 15.051 | 14.748 | -0.303 |
| 52 | 10 | LDR-Unbiased | 14.907 | 15.009 | 0.102 |
| 53 | 10 | LDR-Unbiased | 14.925 | 14.938 | 0.013 |
| 55 | 10 | LDR-Unbiased | 14.905 | 14.776 | -0.129 |
| 56 | 10 | LDR-Unbiased | 15.052 | 14.894 | -0.158 |
| 57 | 10 | LDR-Unbiased | 14.981 | 14.861 | -0.12 |
| 76 | 30 | LDR-Biased | 15.073 | 14.505 | -0.568 |
| 78 | 30 | LDR-Biased | 14.968 | 14.091 | -0.877 |
| 79 | 30 | LDR-Biased | 14.966 | 14.808 | -0.158 |
| 80 | 30 | LDR-Biased | 14.875 | 14.611 | -0.264 |
| 81 | 30 | LDR-Biased | 15.051 | 14.781 | -0.27 |
| 82 | 30 | LDR-Unbiased | 14.907 | 14.921 | 0.014 |
| 83 | 30 | LDR-Unbiased | 14.925 | 14.876 | -0.049 |
| 84 | 30 | LDR-Unbiased | 14.981 | 14.768 | -0.213 |
| 85 | 30 | LDR-Unbiased | 14.905 | 14.708 | -0.197 |
| 86 | 30 | LDR-Unbiased | 15.052 | 14.806 | -0.246 |
| 87 | 100 | LDR-Biased | 15.099 | 14.62 | -0.479 |
| 88 | 100 | LDR-Biased | 15.145 | 14.91 | -0.235 |
| 90 | 100 | LDR-Biased | 14.993 | 14.919 | -0.074 |
| 91 | 100 | LDR-Unbiased | 14.881 | 14.502 | -0.379 |
| 93 | 100 | LDR-Unbiased | 15.062 | 14.615 | -0.447 |
| 94 | 100 | LDR-Unbiased | 15.113 | 14.585 | -0.528 |
| 95 | 100 | LDR-Unbiased | 14.88 | 14.634 | -0.246 |
| 96 | 100 | LDR-Unbiased | 14.986 | 14.458 | -0.528 |
| 106 | 50 | LDR-Biased | 15.073 | 14.239 | -0.834 |
| 108 | 50 | LDR-Biased | 14.968 | 14.28 | -0.688 |
| 109 | 50 | LDR-Biased | 14.966 | 14.58 | -0.386 |
| 110 | 50 | LDR-Biased | 14.875 | 14.047 | -0.828 |
| 111 | 50 | LDR-Biased | 15.051 | 14.62 | -0.431 |
| 112 | 50 | LDR-Unbiased | 14.907 | 14.759 | -0.148 |
| 113 | 50 | LDR-Unbiased | 14.925 | 14.692 | -0.233 |
| 115 | 50 | LDR-Unbiased | 14.905 | 14.534 | -0.371 |
| 116 | 50 | LDR-Unbiased | 15.052 | 14.676 | -0.376 |
| 117 | 50 | LDR-Unbiased | 14.981 | 14.63 | -0.351 |

## Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.954 | 14.956 | 14.957 | 0.0021213 | 14.954 | 14.956 | 14.957 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 14.875 | 14.97 | 15.073 | 0.069345 | 14.639 | 14.887 | 15.082 | 0.15513 | -0.434 | -0.0837 | 0.175 | 0.17489 |
| 10 | 14.875 | 14.97 | 15.073 | 0.069345 | 14.403 | 14.728 | 15.009 | 0.21466 | -0.67 | -0.2428 | 0.102 | 0.23702 |
| 30 | 14.875 | 14.97 | 15.073 | 0.069345 | 14.091 | 14.688 | 14.921 | 0.24249 | -0.877 | -0.2828 | 0.014 | 0.25967 |
| 50 | 14.875 | 14.97 | 15.073 | 0.069345 | 14.047 | 14.506 | 14.759 | 0.23456 | -0.834 | -0.4646 | -0.148 | 0.23784 |
| 100 | 14.88 | 15.02 | 15.145 | 0.10218 | 14.458 | 14.655 | 14.919 | 0.17117 | -0.528 | -0.3645 | -0.074 | 0.16423 |

# Device Test: 18.46 Res_PD_PWRDG/PWRGD/7/14/0/0/2/@PWRGD_RNMOS_LOW_V



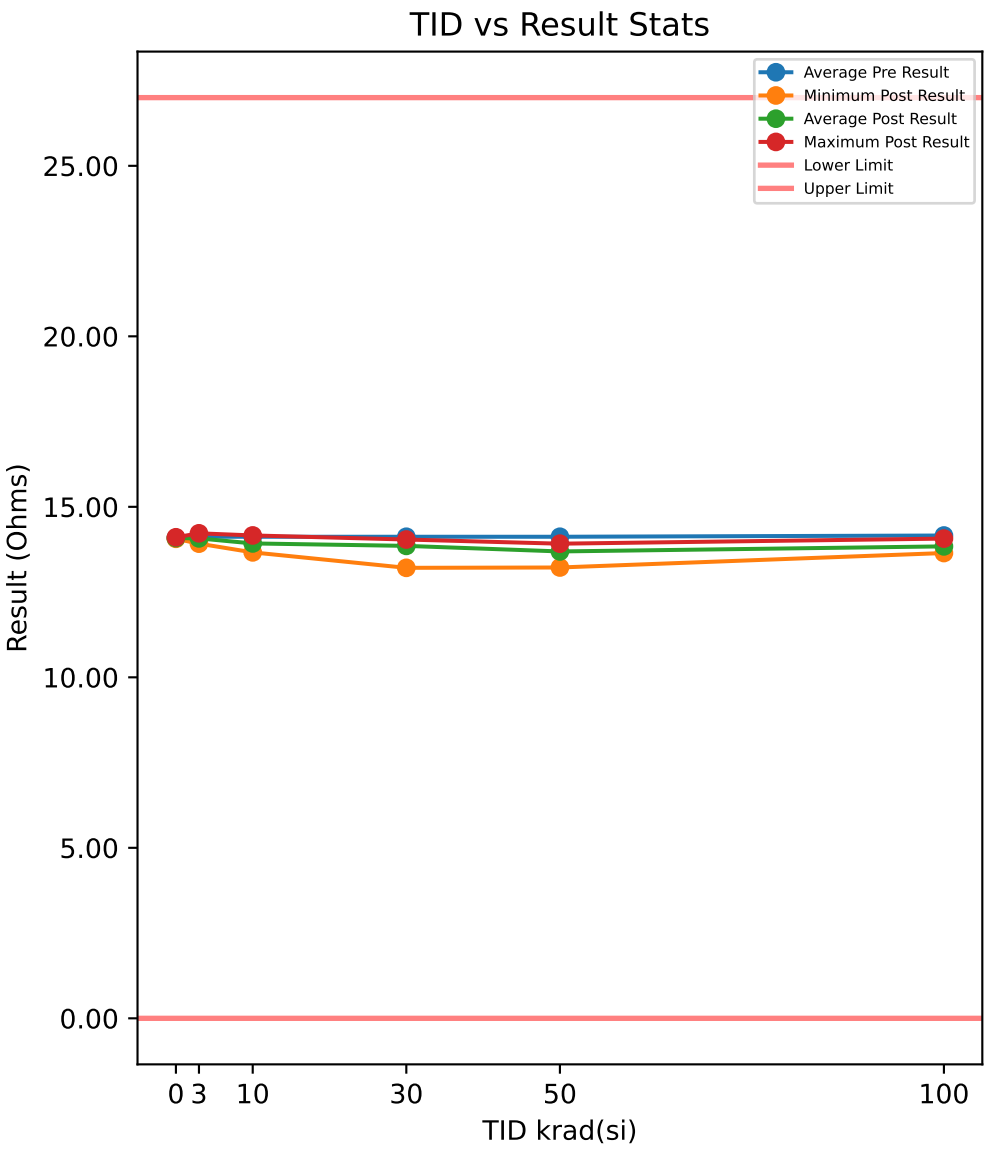

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

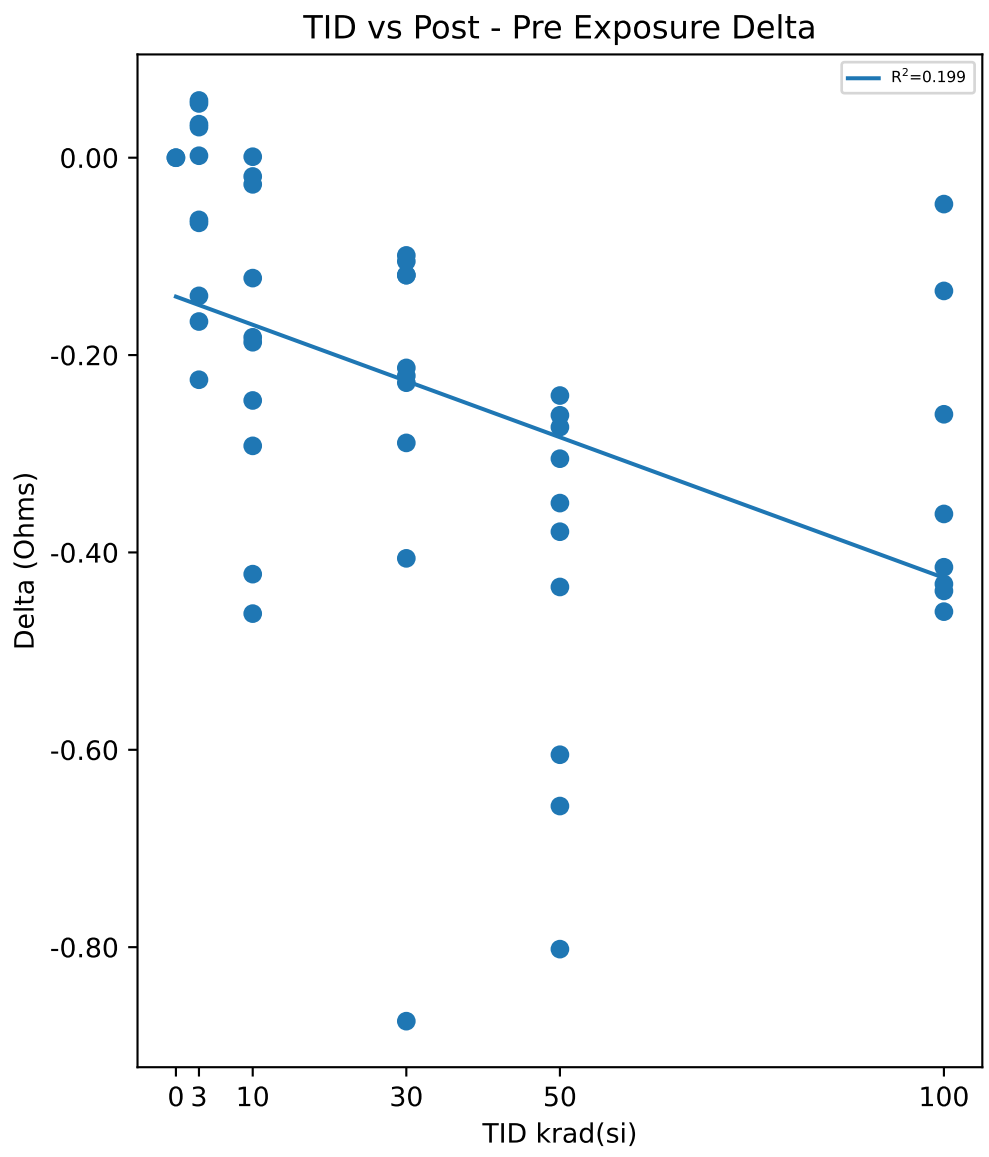
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.031 | 14.031 | 0 |
| 7 | 0 | Correlation | 13.917 | 13.917 | 0 |
| 16 | 3 | LDR-Biased | 14.059 | 13.79 | -0.269 |
| 18 | 3 | LDR-Biased | 14.017 | 13.835 | -0.182 |
| 19 | 3 | LDR-Biased | 13.956 | 14.073 | 0.117 |
| 20 | 3 | LDR-Biased | 13.968 | 13.816 | -0.152 |
| 21 | 3 | LDR-Biased | 14.131 | 14.136 | 0.005 |
| 22 | 3 | LDR-Unbiased | 13.947 | 14.093 | 0.146 |
| 23 | 3 | LDR-Unbiased | 14.01 | 14.047 | 0.037 |
| 25 | 3 | LDR-Unbiased | 14.008 | 13.859 | -0.149 |
| 26 | 3 | LDR-Unbiased | 14.128 | 14.032 | -0.096 |
| 27 | 3 | LDR-Unbiased | 14.006 | 14.082 | 0.076 |
| 46 | 10 | LDR-Biased | 14.059 | 13.504 | -0.555 |
| 48 | 10 | LDR-Biased | 14.017 | 13.549 | -0.468 |
| 49 | 10 | LDR-Biased | 13.956 | 13.787 | -0.169 |
| 50 | 10 | LDR-Biased | 13.968 | 13.547 | -0.421 |
| 51 | 10 | LDR-Biased | 14.131 | 13.885 | -0.246 |
| 52 | 10 | LDR-Unbiased | 13.947 | 14.044 | 0.097 |
| 53 | 10 | LDR-Unbiased | 14.01 | 13.973 | -0.037 |
| 55 | 10 | LDR-Unbiased | 14.008 | 13.77 | -0.238 |
| 56 | 10 | LDR-Unbiased | 14.128 | 13.964 | -0.164 |
| 57 | 10 | LDR-Unbiased | 14.006 | 14.005 | -0.001 |
| 76 | 30 | LDR-Biased | 14.059 | 13.479 | -0.58 |
| 78 | 30 | LDR-Biased | 14.017 | 13.026 | -0.991 |
| 79 | 30 | LDR-Biased | 13.956 | 13.772 | -0.184 |
| 80 | 30 | LDR-Biased | 13.968 | 13.541 | -0.427 |
| 81 | 30 | LDR-Biased | 14.131 | 13.802 | -0.329 |
| 82 | 30 | LDR-Unbiased | 13.947 | 13.837 | -0.11 |
| 83 | 30 | LDR-Unbiased | 14.01 | 13.772 | -0.238 |
| 84 | 30 | LDR-Unbiased | 14.006 | 13.779 | -0.227 |
| 85 | 30 | LDR-Unbiased | 14.008 | 13.566 | -0.442 |
| 86 | 30 | LDR-Unbiased | 14.128 | 13.741 | -0.387 |
| 87 | 100 | LDR-Biased | 14.176 | 13.7 | -0.476 |
| 88 | 100 | LDR-Biased | 14.096 | 13.983 | -0.113 |
| 90 | 100 | LDR-Biased | 14.049 | 13.988 | -0.061 |
| 91 | 100 | LDR-Unbiased | 13.937 | 13.464 | -0.473 |
| 93 | 100 | LDR-Unbiased | 14.14 | 13.662 | -0.478 |
| 94 | 100 | LDR-Unbiased | 14.061 | 13.751 | -0.31 |
| 95 | 100 | LDR-Unbiased | 13.986 | 13.667 | -0.319 |
| 96 | 100 | LDR-Unbiased | 14.009 | 13.545 | -0.464 |
| 106 | 50 | LDR-Biased | 14.059 | 13.331 | -0.728 |
| 108 | 50 | LDR-Biased | 14.017 | 13.378 | -0.639 |
| 109 | 50 | LDR-Biased | 13.956 | 13.71 | -0.246 |
| 110 | 50 | LDR-Biased | 13.968 | 13.06 | -0.908 |
| 111 | 50 | LDR-Biased | 14.131 | 13.789 | -0.342 |
| 112 | 50 | LDR-Unbiased | 13.947 | 13.821 | -0.126 |
| 113 | 50 | LDR-Unbiased | 14.01 | 13.754 | -0.256 |
| 115 | 50 | LDR-Unbiased | 14.008 | 13.555 | -0.453 |
| 116 | 50 | LDR-Unbiased | 14.128 | 13.76 | -0.368 |
| 117 | 50 | LDR-Unbiased | 14.006 | 13.79 | -0.216 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.917 | 13.974 | 14.031 | 0.08061 | 13.917 | 13.974 | 14.031 | 0.08061 | 0 | 0 | 0 | 0 |
| 3 | 13.947 | 14.023 | 14.131 | 0.064973 | 13.79 | 13.976 | 14.136 | 0.13411 | -0.269 | -0.0467 | 0.146 | 0.14157 |
| 10 | 13.947 | 14.023 | 14.131 | 0.064973 | 13.504 | 13.803 | 14.044 | 0.20581 | -0.555 | -0.2202 | 0.097 | 0.21156 |
| 30 | 13.947 | 14.023 | 14.131 | 0.064973 | 13.026 | 13.631 | 13.837 | 0.24651 | -0.991 | -0.3915 | -0.11 | 0.25289 |
| 50 | 13.947 | 14.023 | 14.131 | 0.064973 | 13.06 | 13.595 | 13.821 | 0.25757 | -0.908 | -0.4282 | -0.126 | 0.25285 |
| 100 | 13.937 | 14.057 | 14.176 | 0.079638 | 13.464 | 13.72 | 13.988 | 0.18696 | -0.478 | -0.33675 | -0.061 | 0.16955 |

# Device Test: 18.47 Res_PD_SEQ/SEQ_DONE/7/14/0/0/2/@SEQDONE_RNMOS_LOW_V



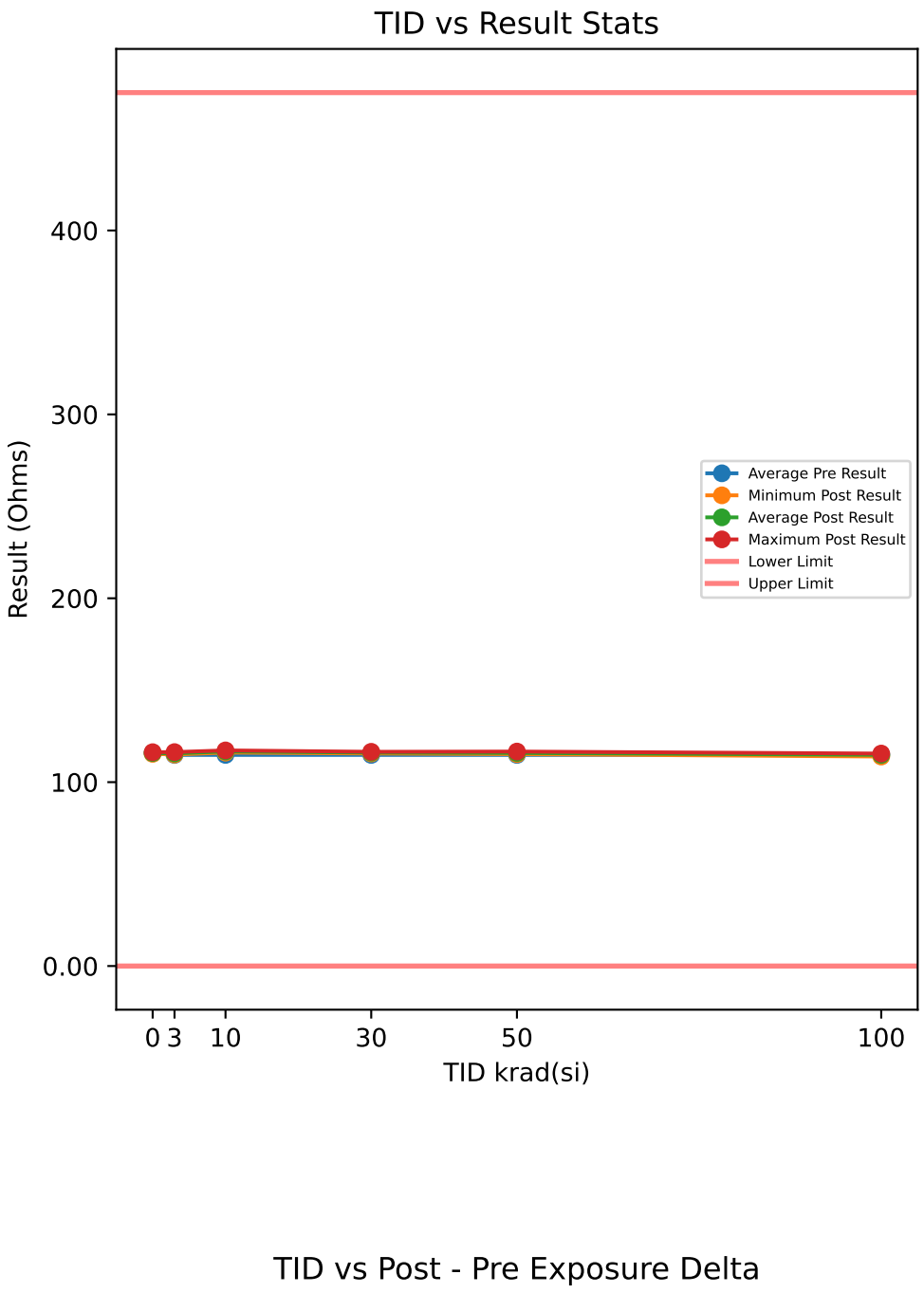

Test Results (Lower Limit = 0.0, Upper Limit = 27.0 (Ohms))

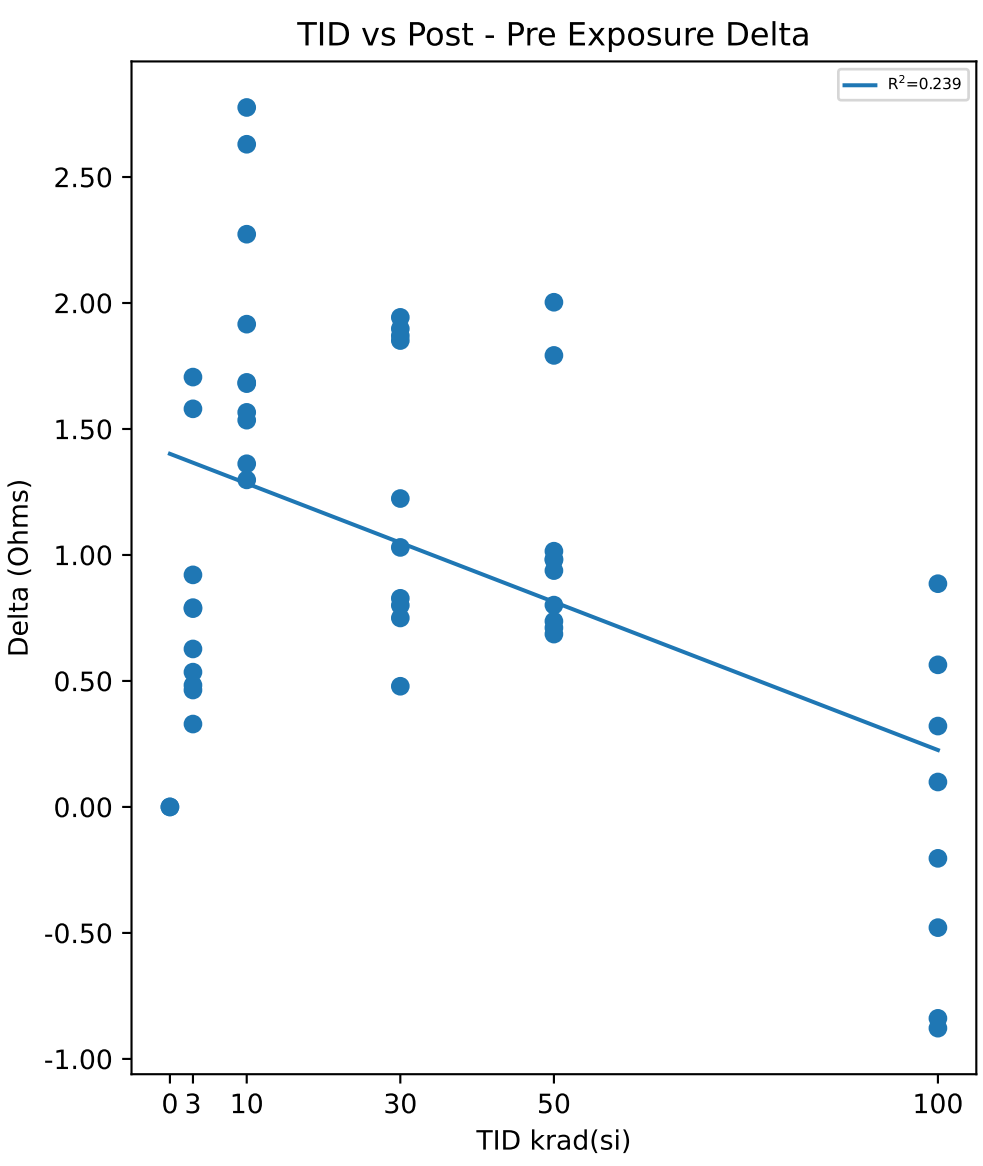
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 14.107 | 14.107 | 0 |
| 7 | 0 | Correlation | 14.062 | 14.062 | 0 |
| 16 | 3 | LDR-Biased | 14.149 | 13.924 | -0.225 |
| 18 | 3 | LDR-Biased | 14.086 | 13.92 | -0.166 |
| 19 | 3 | LDR-Biased | 14.117 | 14.172 | 0.055 |
| 20 | 3 | LDR-Biased | 14.023 | 13.957 | -0.066 |
| 21 | 3 | LDR-Biased | 14.221 | 14.223 | 0.002 |
| 22 | 3 | LDR-Unbiased | 14.091 | 14.122 | 0.031 |
| 23 | 3 | LDR-Unbiased | 14.093 | 14.127 | 0.034 |
| 25 | 3 | LDR-Unbiased | 14.11 | 13.97 | -0.14 |
| 26 | 3 | LDR-Unbiased | 14.172 | 14.109 | -0.063 |
| 27 | 3 | LDR-Unbiased | 14.16 | 14.218 | 0.058 |
| 46 | 10 | LDR-Biased | 14.149 | 13.687 | -0.462 |
| 48 | 10 | LDR-Biased | 14.086 | 13.664 | -0.422 |
| 49 | 10 | LDR-Biased | 14.117 | 13.93 | -0.187 |
| 50 | 10 | LDR-Biased | 14.023 | 13.731 | -0.292 |
| 51 | 10 | LDR-Biased | 14.221 | 13.975 | -0.246 |
| 52 | 10 | LDR-Unbiased | 14.091 | 14.072 | -0.019 |
| 53 | 10 | LDR-Unbiased | 14.093 | 14.066 | -0.027 |
| 55 | 10 | LDR-Unbiased | 14.11 | 13.928 | -0.182 |
| 56 | 10 | LDR-Unbiased | 14.172 | 14.05 | -0.122 |
| 57 | 10 | LDR-Unbiased | 14.16 | 14.161 | 0.001 |
| 76 | 30 | LDR-Biased | 14.149 | 13.743 | -0.406 |
| 78 | 30 | LDR-Biased | 14.086 | 13.211 | -0.875 |
| 79 | 30 | LDR-Biased | 14.117 | 14.018 | -0.099 |
| 80 | 30 | LDR-Biased | 14.023 | 13.81 | -0.213 |
| 81 | 30 | LDR-Biased | 14.221 | 13.993 | -0.228 |
| 82 | 30 | LDR-Unbiased | 14.091 | 13.972 | -0.119 |
| 83 | 30 | LDR-Unbiased | 14.093 | 13.988 | -0.105 |
| 84 | 30 | LDR-Unbiased | 14.16 | 14.041 | -0.119 |
| 85 | 30 | LDR-Unbiased | 14.11 | 13.821 | -0.289 |
| 86 | 30 | LDR-Unbiased | 14.172 | 13.951 | -0.221 |
| 87 | 100 | LDR-Biased | 14.204 | 13.789 | -0.415 |
| 88 | 100 | LDR-Biased | 14.203 | 14.068 | -0.135 |
| 90 | 100 | LDR-Biased | 14.11 | 14.063 | -0.047 |
| 91 | 100 | LDR-Unbiased | 14.084 | 13.645 | -0.439 |
| 93 | 100 | LDR-Unbiased | 14.224 | 13.764 | -0.46 |
| 94 | 100 | LDR-Unbiased | 14.165 | 13.905 | -0.26 |
| 95 | 100 | LDR-Unbiased | 14.128 | 13.767 | -0.361 |
| 96 | 100 | LDR-Unbiased | 14.152 | 13.72 | -0.432 |
| 106 | 50 | LDR-Biased | 14.149 | 13.492 | -0.657 |
| 108 | 50 | LDR-Biased | 14.086 | 13.481 | -0.605 |
| 109 | 50 | LDR-Biased | 14.117 | 13.812 | -0.305 |
| 110 | 50 | LDR-Biased | 14.023 | 13.221 | -0.802 |
| 111 | 50 | LDR-Biased | 14.221 | 13.842 | -0.379 |
| 112 | 50 | LDR-Unbiased | 14.091 | 13.83 | -0.261 |
| 113 | 50 | LDR-Unbiased | 14.093 | 13.82 | -0.273 |
| 115 | 50 | LDR-Unbiased | 14.11 | 13.675 | -0.435 |
| 116 | 50 | LDR-Unbiased | 14.172 | 13.822 | -0.35 |
| 117 | 50 | LDR-Unbiased | 14.16 | 13.919 | -0.241 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 14.062 | 14.084 | 14.107 | 0.03182 | 14.062 | 14.084 | 14.107 | 0.03182 | 0 | 0 | 0 | 0 |
| 3 | 14.023 | 14.122 | 14.221 | 0.055319 | 13.92 | 14.074 | 14.223 | 0.12 | -0.225 | -0.048 | 0.058 | 0.10087 |
| 10 | 14.023 | 14.122 | 14.221 | 0.055319 | 13.664 | 13.926 | 14.161 | 0.17567 | -0.462 | -0.1958 | 0.001 | 0.16262 |
| 30 | 14.023 | 14.122 | 14.221 | 0.055319 | 13.211 | 13.855 | 14.041 | 0.24749 | -0.875 | -0.2674 | -0.099 | 0.23435 |
| 50 | 14.023 | 14.122 | 14.221 | 0.055319 | 13.221 | 13.691 | 13.919 | 0.22296 | -0.802 | -0.4308 | -0.241 | 0.19268 |
| 100 | 14.084 | 14.159 | 14.224 | 0.049652 | 13.645 | 13.84 | 14.068 | 0.15678 | -0.46 | -0.31862 | -0.047 | 0.15554 |

# Device Test: 18.48 Res_PD_SRFAULT/SR_FAULTb/3.3/3/0/0/0.001/@SR_FAULT_RPD



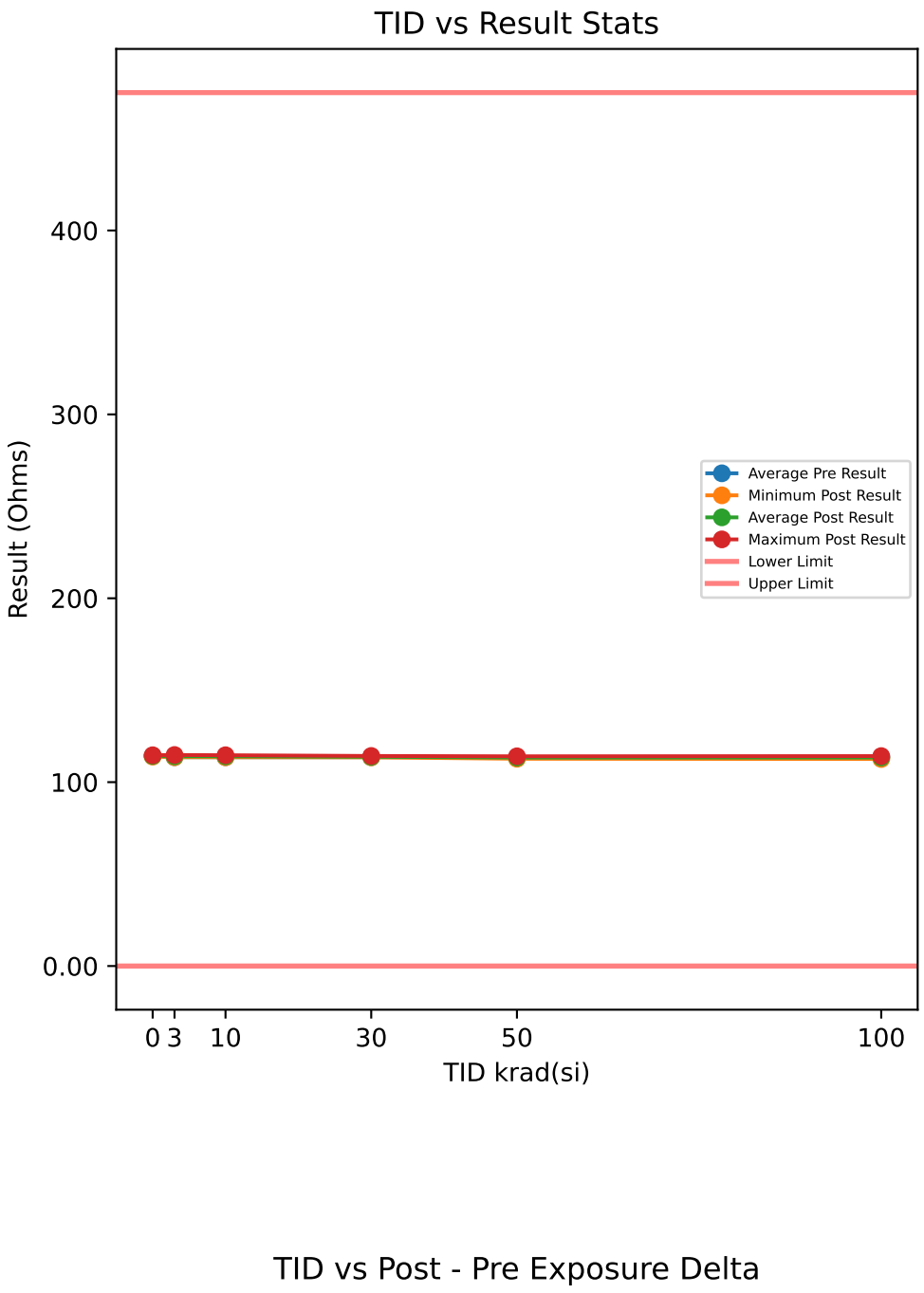

Test Results (Lower Limit = 0.0, Upper Limit = 475.0 (Ohms))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 115.41 | 115.41 | 0 |
| 7 | 0 | Correlation | 116.29 | 116.29 | 0 |
| 16 | 3 | LDR-Biased | 114.3 | 115.22 | 0.921 |
| 18 | 3 | LDR-Biased | 114.44 | 115.23 | 0.791 |
| 19 | 3 | LDR-Biased | 114.56 | 115.02 | 0.464 |
| 20 | 3 | LDR-Biased | 115.28 | 115.81 | 0.535 |
| 21 | 3 | LDR-Biased | 114.14 | 115.72 | 1.58 |
| 22 | 3 | LDR-Unbiased | 115.4 | 116.03 | 0.627 |
| 23 | 3 | LDR-Unbiased | 115.07 | 115.55 | 0.483 |
| 25 | 3 | LDR-Unbiased | 114.63 | 116.34 | 1.706 |
| 26 | 3 | LDR-Unbiased | 115.12 | 115.45 | 0.329 |
| 27 | 3 | LDR-Unbiased | 115.21 | 116 | 0.787 |
| 46 | 10 | LDR-Biased | 114.3 | 116.57 | 2.273 |
| 48 | 10 | LDR-Biased | 114.44 | 116.35 | 1.916 |
| 49 | 10 | LDR-Biased | 114.56 | 116.09 | 1.535 |
| 50 | 10 | LDR-Biased | 115.28 | 116.84 | 1.566 |
| 51 | 10 | LDR-Biased | 114.14 | 116.92 | 2.776 |
| 52 | 10 | LDR-Unbiased | 115.4 | 117.09 | 1.685 |
| 53 | 10 | LDR-Unbiased | 115.07 | 116.43 | 1.362 |
| 55 | 10 | LDR-Unbiased | 114.63 | 117.26 | 2.63 |
| 56 | 10 | LDR-Unbiased | 115.12 | 116.42 | 1.298 |
| 57 | 10 | LDR-Unbiased | 115.21 | 116.89 | 1.68 |
| 76 | 30 | LDR-Biased | 114.3 | 116.24 | 1.943 |
| 78 | 30 | LDR-Biased | 114.44 | 116.29 | 1.851 |
| 79 | 30 | LDR-Biased | 114.56 | 115.78 | 1.224 |
| 80 | 30 | LDR-Biased | 115.28 | 116.31 | 1.03 |
| 81 | 30 | LDR-Biased | 114.14 | 116.04 | 1.898 |
| 82 | 30 | LDR-Unbiased | 115.4 | 116.23 | 0.828 |
| 83 | 30 | LDR-Unbiased | 115.07 | 115.82 | 0.75 |
| 84 | 30 | LDR-Unbiased | 115.21 | 116.01 | 0.8 |
| 85 | 30 | LDR-Unbiased | 114.63 | 116.5 | 1.87 |
| 86 | 30 | LDR-Unbiased | 115.12 | 115.6 | 0.479 |
| 87 | 100 | LDR-Biased | 114.81 | 113.93 | -0.878 |
| 88 | 100 | LDR-Biased | 115.09 | 114.89 | -0.204 |
| 90 | 100 | LDR-Biased | 114.87 | 114.97 | 0.099 |
| 91 | 100 | LDR-Unbiased | 115.45 | 114.61 | -0.839 |
| 93 | 100 | LDR-Unbiased | 114.32 | 115.21 | 0.886 |
| 94 | 100 | LDR-Unbiased | 114.68 | 115.24 | 0.564 |
| 95 | 100 | LDR-Unbiased | 114.96 | 114.48 | -0.479 |
| 96 | 100 | LDR-Unbiased | 115.23 | 115.55 | 0.321 |
| 106 | 50 | LDR-Biased | 114.3 | 115.28 | 0.98 |
| 108 | 50 | LDR-Biased | 114.44 | 115.42 | 0.984 |
| 109 | 50 | LDR-Biased | 114.56 | 115.25 | 0.686 |
| 110 | 50 | LDR-Biased | 115.28 | 116.08 | 0.801 |
| 111 | 50 | LDR-Biased | 114.14 | 115.93 | 1.792 |
| 112 | 50 | LDR-Unbiased | 115.4 | 116.34 | 0.938 |
| 113 | 50 | LDR-Unbiased | 115.07 | 115.78 | 0.711 |
| 115 | 50 | LDR-Unbiased | 114.63 | 116.64 | 2.003 |
| 116 | 50 | LDR-Unbiased | 115.12 | 115.86 | 0.737 |
| 117 | 50 | LDR-Unbiased | 115.21 | 116.22 | 1.015 |

Test Statistics (Ohms)

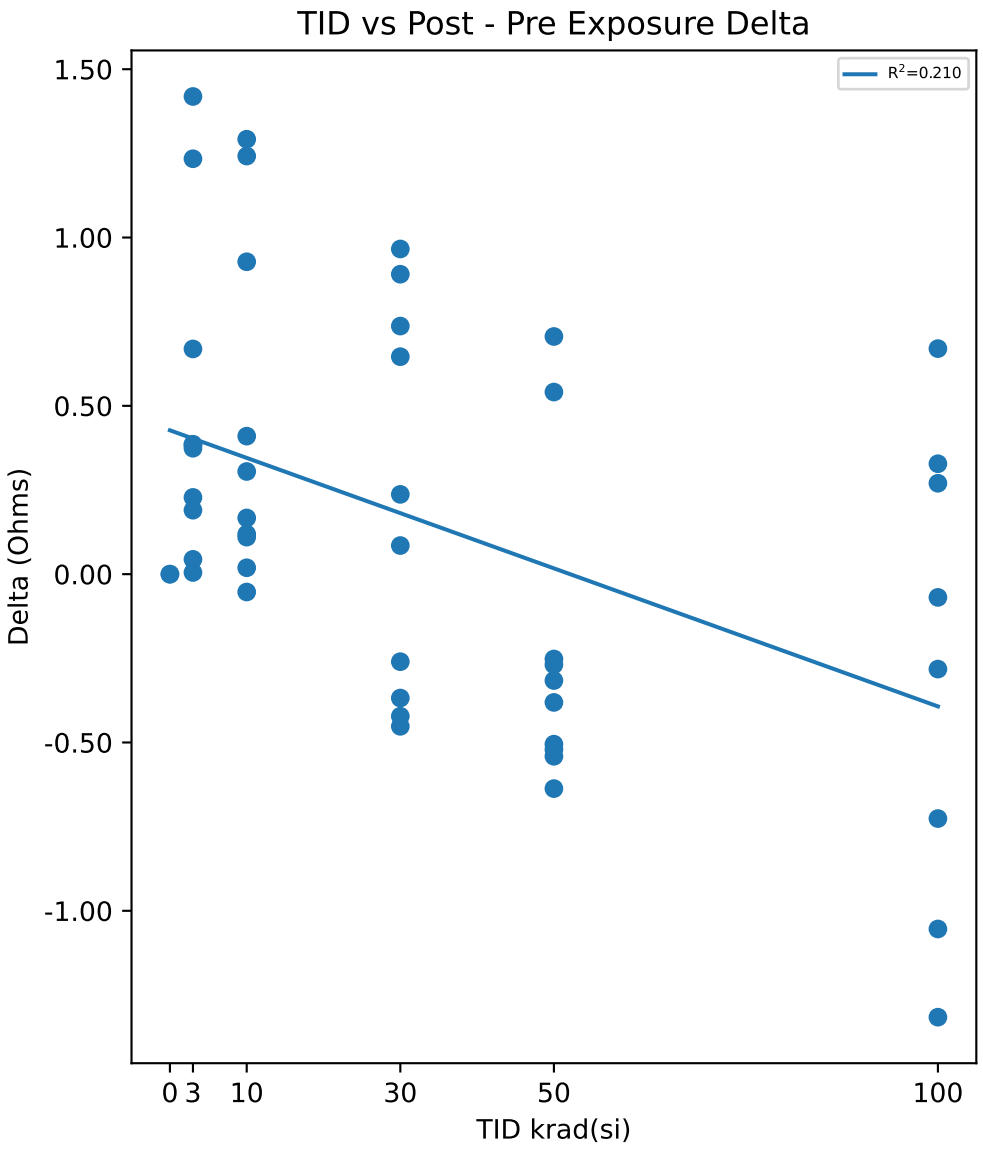
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 115.41 | 115.85 | 116.29 | 0.62791 | 115.41 | 115.85 | 116.29 | 0.62791 | 0 | 0 | 0 | 0 |
| 3 | 114.14 | 114.81 | 115.4 | 0.45127 | 115.02 | 115.64 | 116.34 | 0.41792 | 0.329 | 0.8223 | 1.706 | 0.46839 |
| 10 | 114.14 | 114.81 | 115.4 | 0.45127 | 116.09 | 116.69 | 117.26 | 0.36862 | 1.298 | 1.8721 | 2.776 | 0.51888 |
| 30 | 114.14 | 114.81 | 115.4 | 0.45127 | 115.6 | 116.08 | 116.5 | 0.28256 | 0.479 | 1.2673 | 1.943 | 0.56929 |
| 50 | 114.14 | 114.81 | 115.4 | 0.45127 | 115.25 | 115.88 | 116.64 | 0.46261 | 0.686 | 1.0647 | 2.003 | 0.4579 |
| 100 | 114.32 | 114.92 | 115.45 | 0.34673 | 113.93 | 114.86 | 115.55 | 0.51039 | -0.878 | -0.06625 | 0.886 | 0.6466 |

# Device Test: 18.49 Res_PD_SRFAULT/SR_FAULTb/3.3/14/0/0/0.001/@SR_FAULT_RPD




Test Results (Lower Limit = 0.0, Upper Limit = 475.0 (Ohms))

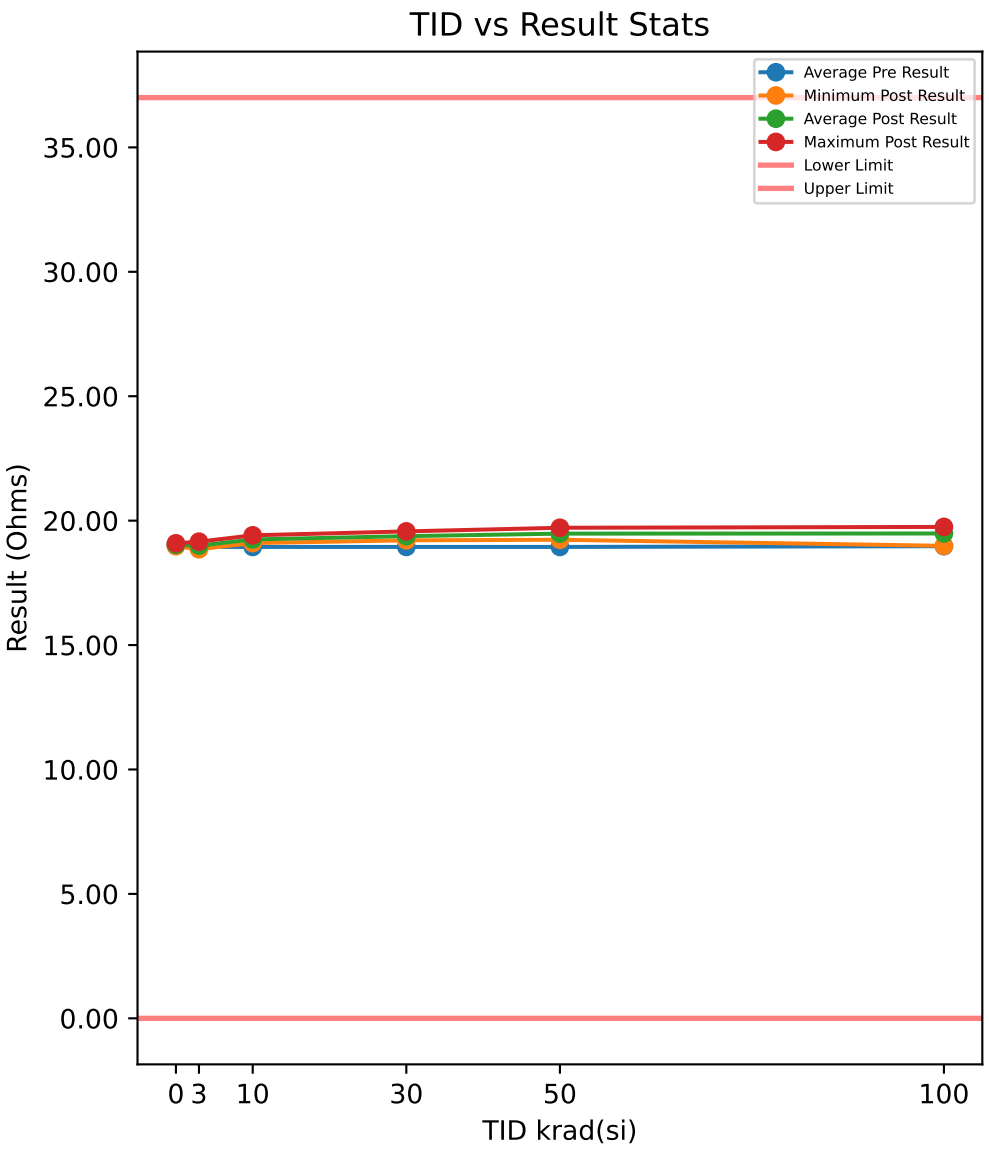
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 113.9 | 113.9 | 0 |
| 7 | 0 | Correlation | 114.63 | 114.63 | 0 |
| 16 | 3 | LDR-Biased | 113.09 | 113.76 | 0.669 |
| 18 | 3 | LDR-Biased | 113.21 | 113.59 | 0.384 |
| 19 | 3 | LDR-Biased | 113.36 | 113.55 | 0.19 |
| 20 | 3 | LDR-Biased | 113.97 | 114.34 | 0.374 |
| 21 | 3 | LDR-Biased | 112.98 | 114.21 | 1.234 |
| 22 | 3 | LDR-Unbiased | 114.28 | 114.28 | 0.005 |
| 23 | 3 | LDR-Unbiased | 113.8 | 114.03 | 0.228 |
| 25 | 3 | LDR-Unbiased | 113.35 | 114.77 | 1.419 |
| 26 | 3 | LDR-Unbiased | 113.91 | 113.96 | 0.044 |
| 27 | 3 | LDR-Unbiased | 113.91 | 114.3 | 0.386 |
| 46 | 10 | LDR-Biased | 113.09 | 114.02 | 0.928 |
| 48 | 10 | LDR-Biased | 113.21 | 113.62 | 0.41 |
| 49 | 10 | LDR-Biased | 113.36 | 113.53 | 0.167 |
| 50 | 10 | LDR-Biased | 113.97 | 114.27 | 0.305 |
| 51 | 10 | LDR-Biased | 112.98 | 114.22 | 1.242 |
| 52 | 10 | LDR-Unbiased | 114.28 | 114.3 | 0.019 |
| 53 | 10 | LDR-Unbiased | 113.8 | 113.92 | 0.119 |
| 55 | 10 | LDR-Unbiased | 113.35 | 114.64 | 1.292 |
| 56 | 10 | LDR-Unbiased | 113.91 | 113.86 | -0.053 |
| 57 | 10 | LDR-Unbiased | 113.91 | 114.02 | 0.11 |
| 76 | 30 | LDR-Biased | 113.09 | 114.06 | 0.966 |
| 78 | 30 | LDR-Biased | 113.21 | 113.85 | 0.646 |
| 79 | 30 | LDR-Biased | 113.36 | 113.6 | 0.237 |
| 80 | 30 | LDR-Biased | 113.97 | 114.05 | 0.085 |
| 81 | 30 | LDR-Biased | 112.98 | 113.72 | 0.737 |
| 82 | 30 | LDR-Unbiased | 114.28 | 113.83 | -0.452 |
| 83 | 30 | LDR-Unbiased | 113.8 | 113.54 | -0.26 |
| 84 | 30 | LDR-Unbiased | 113.91 | 113.54 | -0.368 |
| 85 | 30 | LDR-Unbiased | 113.35 | 114.24 | 0.891 |
| 86 | 30 | LDR-Unbiased | 113.91 | 113.49 | -0.422 |
| 87 | 100 | LDR-Biased | 113.65 | 112.59 | -1.054 |
| 88 | 100 | LDR-Biased | 113.75 | 113.47 | -0.282 |
| 90 | 100 | LDR-Biased | 113.66 | 113.59 | -0.069 |
| 91 | 100 | LDR-Unbiased | 114.35 | 113.03 | -1.316 |
| 93 | 100 | LDR-Unbiased | 113.05 | 113.72 | 0.67 |
| 94 | 100 | LDR-Unbiased | 113.49 | 113.82 | 0.328 |
| 95 | 100 | LDR-Unbiased | 113.72 | 112.99 | -0.726 |
| 96 | 100 | LDR-Unbiased | 113.9 | 114.17 | 0.27 |
| 106 | 50 | LDR-Biased | 113.09 | 112.84 | -0.252 |
| 108 | 50 | LDR-Biased | 113.21 | 112.94 | -0.269 |
| 109 | 50 | LDR-Biased | 113.36 | 112.73 | -0.637 |
| 110 | 50 | LDR-Biased | 113.97 | 113.58 | -0.381 |
| 111 | 50 | LDR-Biased | 112.98 | 113.52 | 0.541 |
| 112 | 50 | LDR-Unbiased | 114.28 | 113.76 | -0.521 |
| 113 | 50 | LDR-Unbiased | 113.8 | 113.3 | -0.505 |
| 115 | 50 | LDR-Unbiased | 113.35 | 114.05 | 0.706 |
| 116 | 50 | LDR-Unbiased | 113.91 | 113.37 | -0.541 |
| 117 | 50 | LDR-Unbiased | 113.91 | 113.6 | -0.316 |

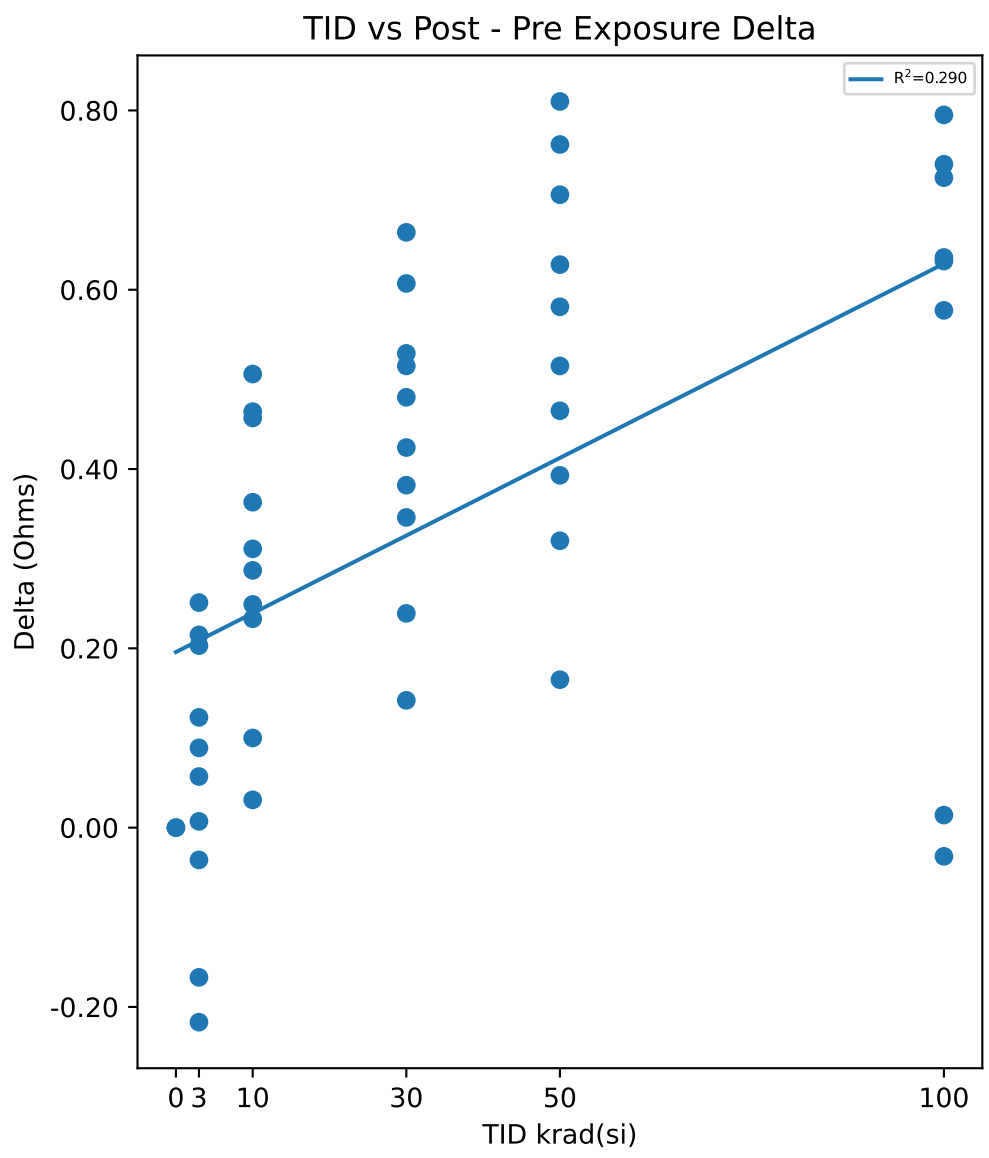



Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 113.9 | 114.27 | 114.63 | 0.51831 | 113.9 | 114.27 | 114.63 | 0.51831 | 0 | 0 | 0 | 0 |
| 3 | 112.98 | 113.59 | 114.28 | 0.44045 | 113.55 | 114.08 | 114.77 | 0.3771 | 0.005 | 0.4933 | 1.419 | 0.48037 |
| 10 | 112.98 | 113.59 | 114.28 | 0.44045 | 113.53 | 114.04 | 114.64 | 0.3328 | -0.053 | 0.4539 | 1.292 | 0.50894 |
| 30 | 112.98 | 113.59 | 114.28 | 0.44045 | 113.49 | 113.79 | 114.24 | 0.25816 | -0.452 | 0.206 | 0.966 | 0.56882 |
| 50 | 112.98 | 113.59 | 114.28 | 0.44045 | 112.73 | 113.37 | 114.05 | 0.42461 | -0.637 | -0.2175 | 0.706 | 0.46234 |
| 100 | 113.05 | 113.69 | 114.35 | 0.36505 | 112.59 | 113.42 | 114.17 | 0.51528 | -1.316 | -0.27237 | 0.67 | 0.7061 |

# Device Test: 18.5 Res_PU_SEQ/SEQ_DONE/1.6/3/0/0/2/@SEQDONE_RPMOS_LOW_V



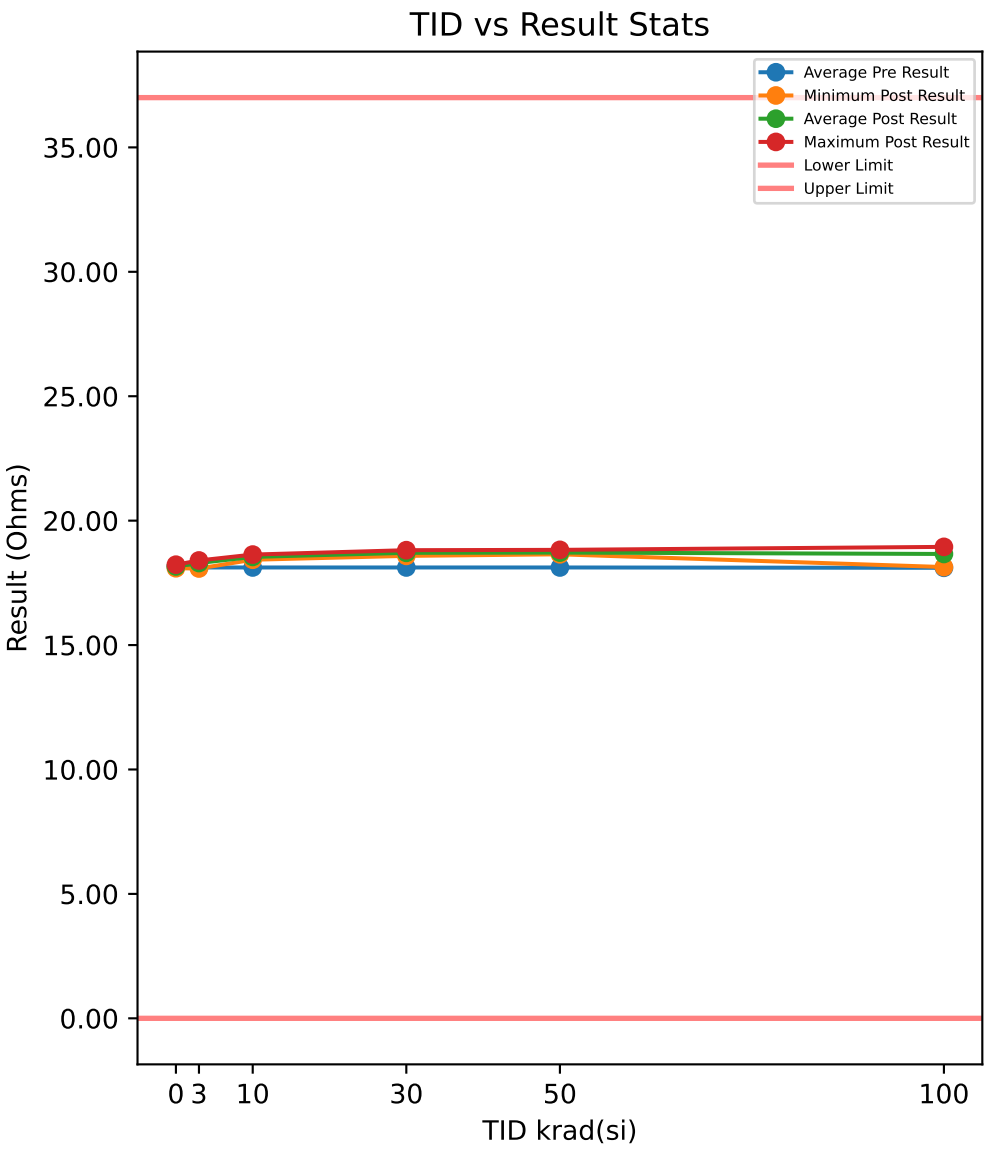

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

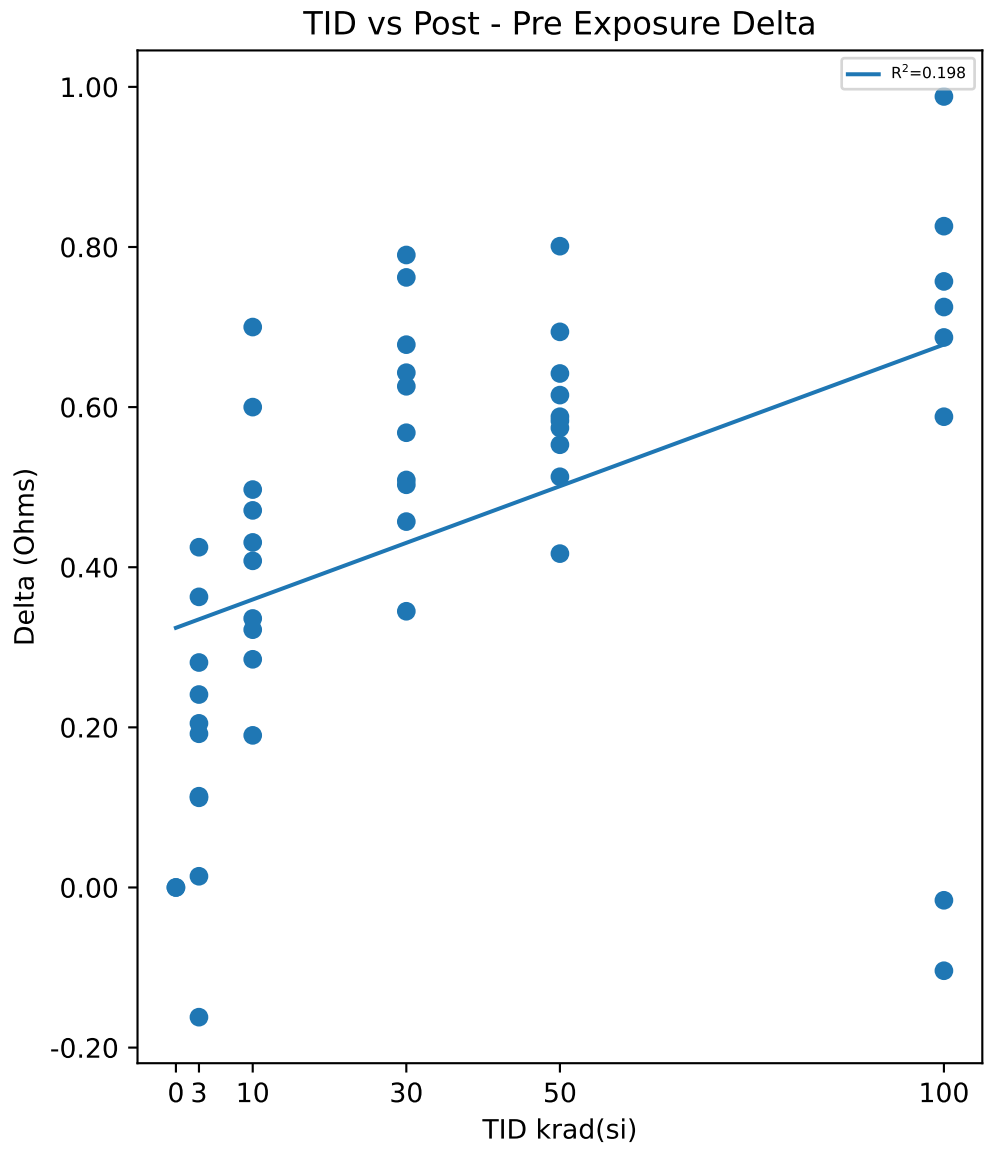
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 19.089 | 19.089 | 0 |
| 7 | 0 | Correlation | 18.972 | 18.972 | 0 |
| 16 | 3 | LDR-Biased | 18.928 | 18.892 | -0.036 |
| 18 | 3 | LDR-Biased | 18.935 | 19.024 | 0.089 |
| 19 | 3 | LDR-Biased | 18.932 | 18.989 | 0.057 |
| 20 | 3 | LDR-Biased | 19.067 | 18.85 | -0.217 |
| 21 | 3 | LDR-Biased | 18.825 | 19.04 | 0.215 |
| 22 | 3 | LDR-Unbiased | 19.035 | 18.868 | -0.167 |
| 23 | 3 | LDR-Unbiased | 18.826 | 19.029 | 0.203 |
| 25 | 3 | LDR-Unbiased | 18.904 | 19.155 | 0.251 |
| 26 | 3 | LDR-Unbiased | 18.968 | 19.091 | 0.123 |
| 27 | 3 | LDR-Unbiased | 19.018 | 19.025 | 0.007 |
| 46 | 10 | LDR-Biased | 18.928 | 19.161 | 0.233 |
| 48 | 10 | LDR-Biased | 18.935 | 19.246 | 0.311 |
| 49 | 10 | LDR-Biased | 18.932 | 19.219 | 0.287 |
| 50 | 10 | LDR-Biased | 19.067 | 19.098 | 0.031 |
| 51 | 10 | LDR-Biased | 18.825 | 19.289 | 0.464 |
| 52 | 10 | LDR-Unbiased | 19.035 | 19.135 | 0.1 |
| 53 | 10 | LDR-Unbiased | 18.826 | 19.283 | 0.457 |
| 55 | 10 | LDR-Unbiased | 18.904 | 19.41 | 0.506 |
| 56 | 10 | LDR-Unbiased | 18.968 | 19.331 | 0.363 |
| 57 | 10 | LDR-Unbiased | 19.018 | 19.267 | 0.249 |
| 76 | 30 | LDR-Biased | 18.928 | 19.274 | 0.346 |
| 78 | 30 | LDR-Biased | 18.935 | 19.415 | 0.48 |
| 79 | 30 | LDR-Biased | 18.932 | 19.356 | 0.424 |
| 80 | 30 | LDR-Biased | 19.067 | 19.209 | 0.142 |
| 81 | 30 | LDR-Biased | 18.825 | 19.354 | 0.529 |
| 82 | 30 | LDR-Unbiased | 19.035 | 19.274 | 0.239 |
| 83 | 30 | LDR-Unbiased | 18.826 | 19.433 | 0.607 |
| 84 | 30 | LDR-Unbiased | 19.018 | 19.4 | 0.382 |
| 85 | 30 | LDR-Unbiased | 18.904 | 19.568 | 0.664 |
| 86 | 30 | LDR-Unbiased | 18.968 | 19.483 | 0.515 |
| 87 | 100 | LDR-Biased | 18.934 | 19.674 | 0.74 |
| 88 | 100 | LDR-Biased | 19.02 | 18.988 | -0.032 |
| 90 | 100 | LDR-Biased | 18.979 | 18.993 | 0.014 |
| 91 | 100 | LDR-Unbiased | 19.023 | 19.748 | 0.725 |
| 93 | 100 | LDR-Unbiased | 18.84 | 19.635 | 0.795 |
| 94 | 100 | LDR-Unbiased | 18.971 | 19.548 | 0.577 |
| 95 | 100 | LDR-Unbiased | 19 | 19.636 | 0.636 |
| 96 | 100 | LDR-Unbiased | 19.018 | 19.65 | 0.632 |
| 106 | 50 | LDR-Biased | 18.928 | 19.248 | 0.32 |
| 108 | 50 | LDR-Biased | 18.935 | 19.45 | 0.515 |
| 109 | 50 | LDR-Biased | 18.932 | 19.397 | 0.465 |
| 110 | 50 | LDR-Biased | 19.067 | 19.232 | 0.165 |
| 111 | 50 | LDR-Biased | 18.825 | 19.453 | 0.628 |
| 112 | 50 | LDR-Unbiased | 19.035 | 19.428 | 0.393 |
| 113 | 50 | LDR-Unbiased | 18.826 | 19.588 | 0.762 |
| 115 | 50 | LDR-Unbiased | 18.904 | 19.714 | 0.81 |
| 116 | 50 | LDR-Unbiased | 18.968 | 19.674 | 0.706 |
| 117 | 50 | LDR-Unbiased | 19.018 | 19.599 | 0.581 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.972 | 19.03 | 19.089 | 0.082731 | 18.972 | 19.03 | 19.089 | 0.082731 | 0 | 0 | 0 | 0 |
| 3 | 18.825 | 18.944 | 19.067 | 0.081396 | 18.85 | 18.996 | 19.155 | 0.098613 | -0.217 | 0.0525 | 0.251 | 0.15829 |
| 10 | 18.825 | 18.944 | 19.067 | 0.081396 | 19.098 | 19.244 | 19.41 | 0.094231 | 0.031 | 0.3001 | 0.506 | 0.15552 |
| 30 | 18.825 | 18.944 | 19.067 | 0.081396 | 19.209 | 19.377 | 19.568 | 0.1071 | 0.142 | 0.4328 | 0.664 | 0.16137 |
| 50 | 18.825 | 18.944 | 19.067 | 0.081396 | 19.232 | 19.478 | 19.714 | 0.1649 | 0.165 | 0.5345 | 0.81 | 0.20433 |
| 100 | 18.84 | 18.973 | 19.023 | 0.061775 | 18.988 | 19.484 | 19.748 | 0.30948 | -0.032 | 0.51087 | 0.795 | 0.3285 |

# Device Test: 18.6 Res_PU_EN1/EN1/1.6/14/0/0/2/@EN_RPMOS_LOW_V



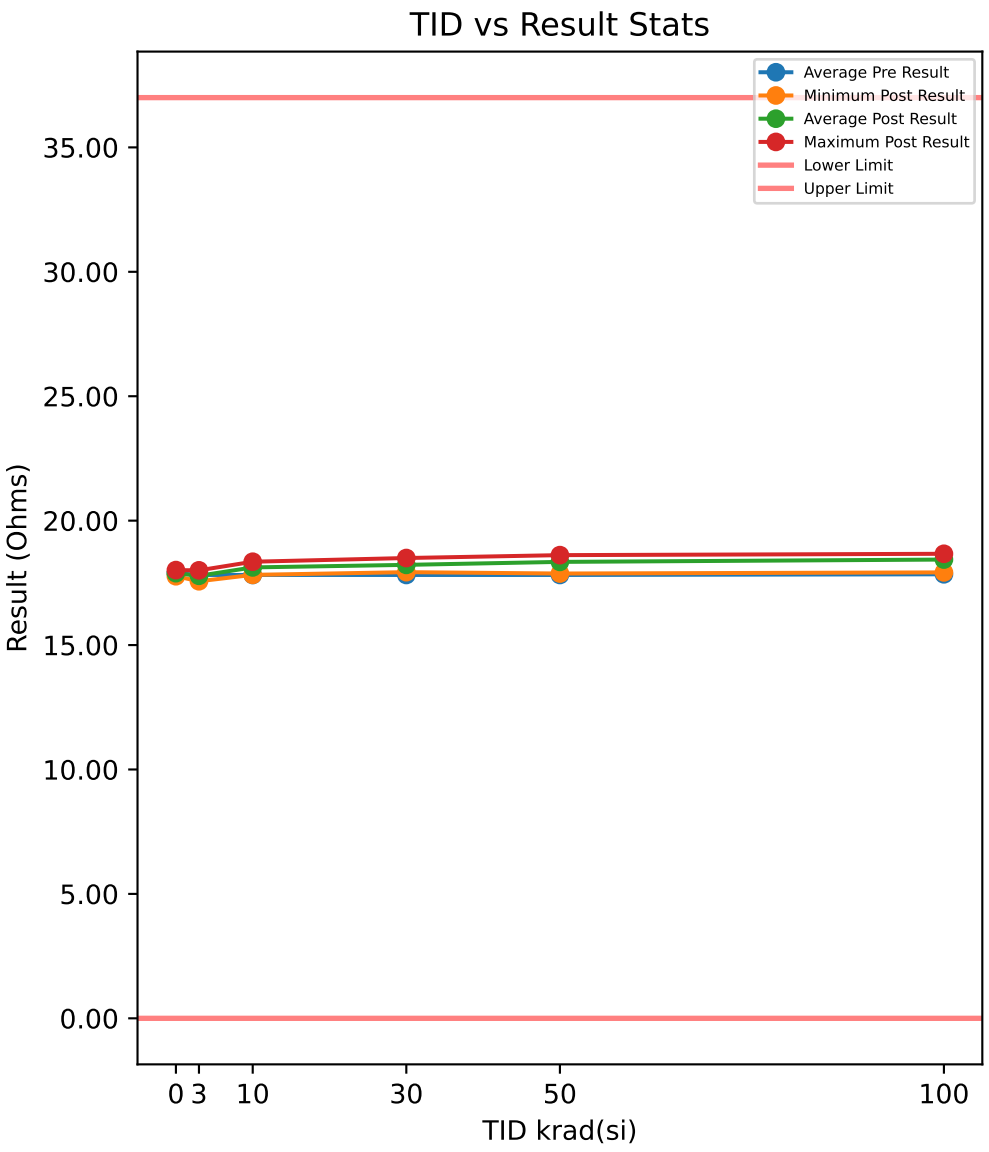

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

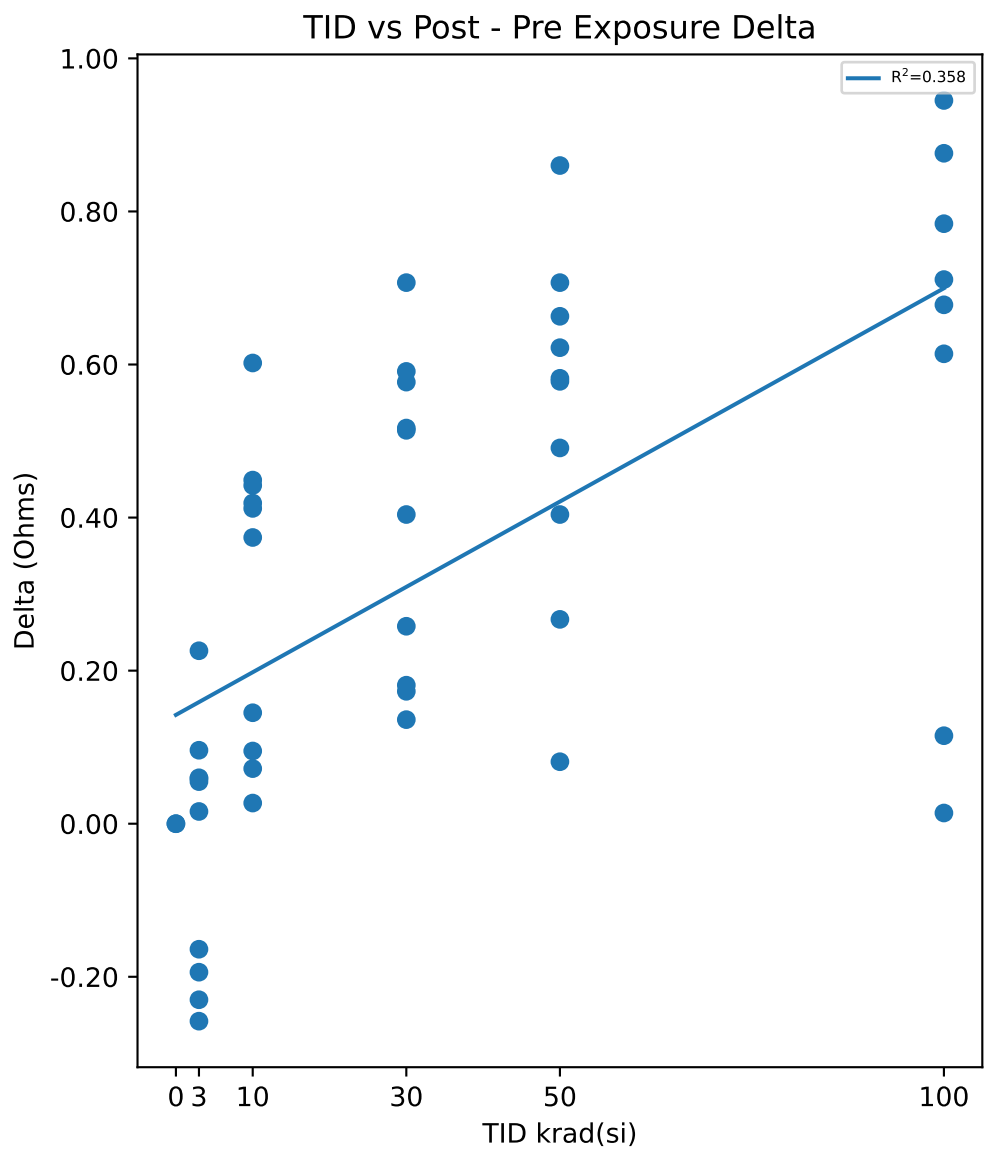
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 18.23 | 18.23 | 0 |
| 7 | 0 | Correlation | 18.087 | 18.087 | 0 |
| 16 | 3 | LDR-Biased | 18.037 | 18.4 | 0.363 |
| 18 | 3 | LDR-Biased | 18.187 | 18.379 | 0.192 |
| 19 | 3 | LDR-Biased | 18.032 | 18.313 | 0.281 |
| 20 | 3 | LDR-Biased | 18.164 | 18.369 | 0.205 |
| 21 | 3 | LDR-Biased | 17.846 | 18.271 | 0.425 |
| 22 | 3 | LDR-Unbiased | 18.239 | 18.077 | -0.162 |
| 23 | 3 | LDR-Unbiased | 18.055 | 18.296 | 0.241 |
| 25 | 3 | LDR-Unbiased | 18.179 | 18.193 | 0.014 |
| 26 | 3 | LDR-Unbiased | 18.243 | 18.355 | 0.112 |
| 27 | 3 | LDR-Unbiased | 18.201 | 18.315 | 0.114 |
| 46 | 10 | LDR-Biased | 18.037 | 18.637 | 0.6 |
| 48 | 10 | LDR-Biased | 18.187 | 18.595 | 0.408 |
| 49 | 10 | LDR-Biased | 18.032 | 18.529 | 0.497 |
| 50 | 10 | LDR-Biased | 18.164 | 18.595 | 0.431 |
| 51 | 10 | LDR-Biased | 17.846 | 18.546 | 0.7 |
| 52 | 10 | LDR-Unbiased | 18.239 | 18.429 | 0.19 |
| 53 | 10 | LDR-Unbiased | 18.055 | 18.526 | 0.471 |
| 55 | 10 | LDR-Unbiased | 18.179 | 18.464 | 0.285 |
| 56 | 10 | LDR-Unbiased | 18.243 | 18.565 | 0.322 |
| 57 | 10 | LDR-Unbiased | 18.201 | 18.537 | 0.336 |
| 76 | 30 | LDR-Biased | 18.037 | 18.799 | 0.762 |
| 78 | 30 | LDR-Biased | 18.187 | 18.813 | 0.626 |
| 79 | 30 | LDR-Biased | 18.032 | 18.71 | 0.678 |
| 80 | 30 | LDR-Biased | 18.164 | 18.732 | 0.568 |
| 81 | 30 | LDR-Biased | 17.846 | 18.636 | 0.79 |
| 82 | 30 | LDR-Unbiased | 18.239 | 18.584 | 0.345 |
| 83 | 30 | LDR-Unbiased | 18.055 | 18.698 | 0.643 |
| 84 | 30 | LDR-Unbiased | 18.201 | 18.71 | 0.509 |
| 85 | 30 | LDR-Unbiased | 18.179 | 18.636 | 0.457 |
| 86 | 30 | LDR-Unbiased | 18.243 | 18.746 | 0.503 |
| 87 | 100 | LDR-Biased | 17.945 | 18.771 | 0.826 |
| 88 | 100 | LDR-Biased | 18.151 | 18.135 | -0.016 |
| 90 | 100 | LDR-Biased | 18.26 | 18.156 | -0.104 |
| 91 | 100 | LDR-Unbiased | 18.248 | 18.836 | 0.588 |
| 93 | 100 | LDR-Unbiased | 17.861 | 18.849 | 0.988 |
| 94 | 100 | LDR-Unbiased | 18.106 | 18.831 | 0.725 |
| 95 | 100 | LDR-Unbiased | 18.078 | 18.765 | 0.687 |
| 96 | 100 | LDR-Unbiased | 18.189 | 18.946 | 0.757 |
| 106 | 50 | LDR-Biased | 18.037 | 18.679 | 0.642 |
| 108 | 50 | LDR-Biased | 18.187 | 18.761 | 0.574 |
| 109 | 50 | LDR-Biased | 18.032 | 18.647 | 0.615 |
| 110 | 50 | LDR-Biased | 18.164 | 18.717 | 0.553 |
| 111 | 50 | LDR-Biased | 17.846 | 18.647 | 0.801 |
| 112 | 50 | LDR-Unbiased | 18.239 | 18.656 | 0.417 |
| 113 | 50 | LDR-Unbiased | 18.055 | 18.749 | 0.694 |
| 115 | 50 | LDR-Unbiased | 18.179 | 18.692 | 0.513 |
| 116 | 50 | LDR-Unbiased | 18.243 | 18.826 | 0.583 |
| 117 | 50 | LDR-Unbiased | 18.201 | 18.789 | 0.588 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 18.087 | 18.159 | 18.23 | 0.10112 | 18.087 | 18.159 | 18.23 | 0.10112 | 0 | 0 | 0 | 0 |
| 3 | 17.846 | 18.118 | 18.243 | 0.12457 | 18.077 | 18.297 | 18.4 | 0.097953 | -0.162 | 0.1785 | 0.425 | 0.17052 |
| 10 | 17.846 | 18.118 | 18.243 | 0.12457 | 18.429 | 18.542 | 18.637 | 0.061905 | 0.19 | 0.424 | 0.7 | 0.15174 |
| 30 | 17.846 | 18.118 | 18.243 | 0.12457 | 18.584 | 18.706 | 18.813 | 0.072382 | 0.345 | 0.5881 | 0.79 | 0.13893 |
| 50 | 17.846 | 18.118 | 18.243 | 0.12457 | 18.647 | 18.716 | 18.826 | 0.062902 | 0.417 | 0.598 | 0.801 | 0.10304 |
| 100 | 17.861 | 18.105 | 18.26 | 0.14117 | 18.135 | 18.661 | 18.946 | 0.32309 | -0.104 | 0.55637 | 0.988 | 0.39811 |

# Device Test: 18.7 Res_PU_EN2/EN2/1.6/14/0/0/2/@EN_RPMOS_LOW_V



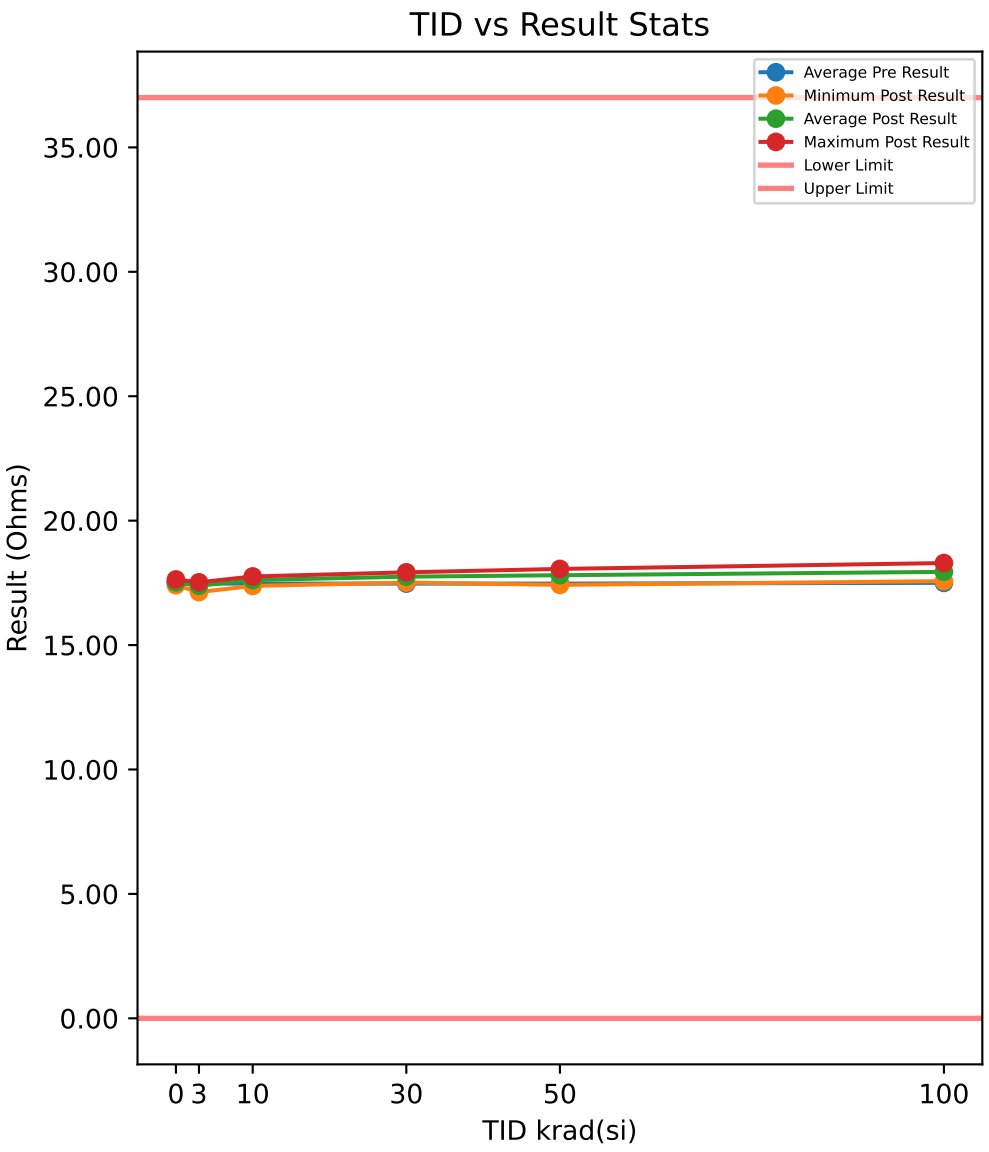

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

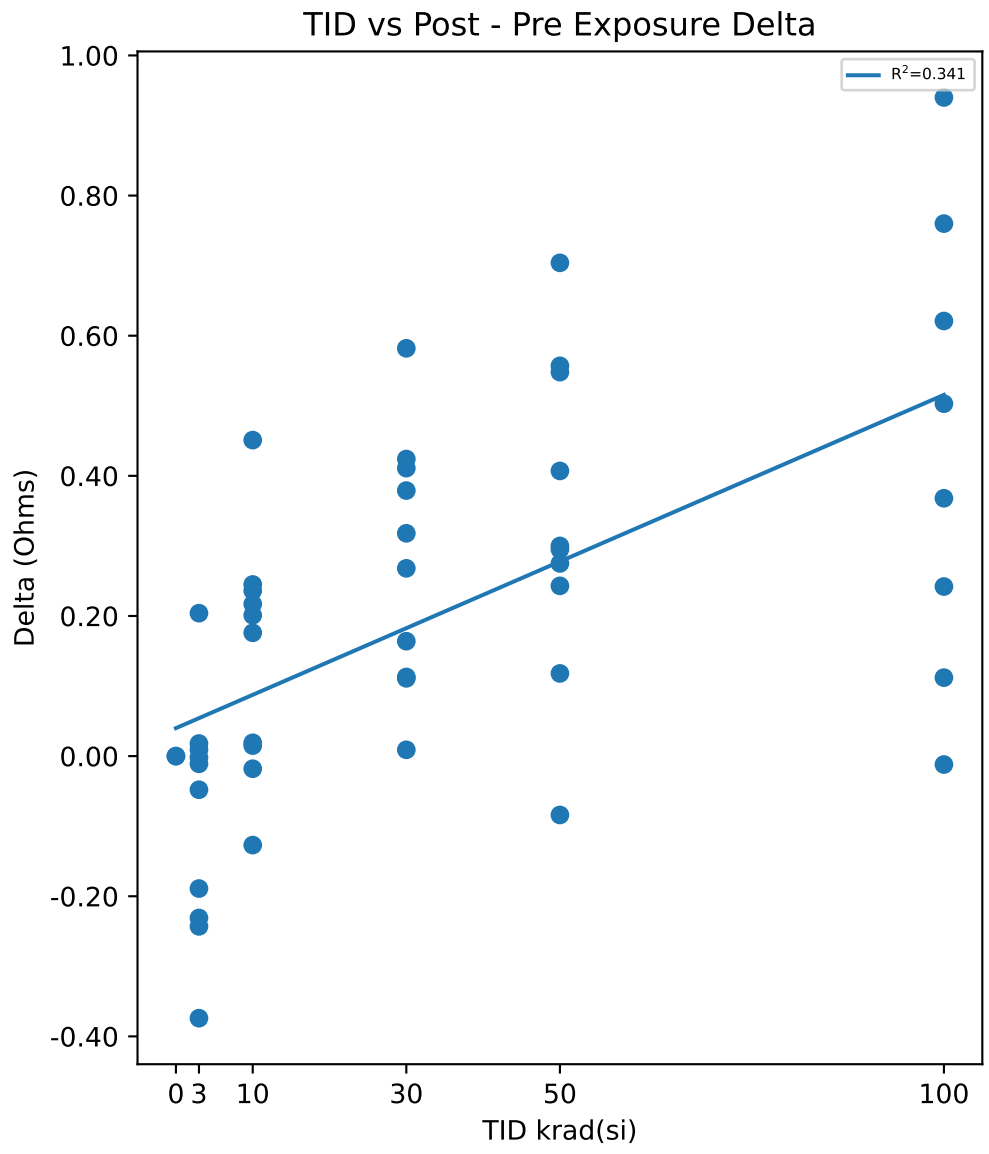
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 18.013 | 18.013 | 0 |
| 7 | 0 | Correlation | 17.766 | 17.766 | 0 |
| 16 | 3 | LDR-Biased | 17.794 | 17.564 | -0.23 |
| 18 | 3 | LDR-Biased | 17.756 | 17.815 | 0.059 |
| 19 | 3 | LDR-Biased | 17.758 | 17.813 | 0.055 |
| 20 | 3 | LDR-Biased | 17.85 | 17.656 | -0.194 |
| 21 | 3 | LDR-Biased | 17.706 | 17.766 | 0.06 |
| 22 | 3 | LDR-Unbiased | 18.028 | 17.77 | -0.258 |
| 23 | 3 | LDR-Unbiased | 17.627 | 17.853 | 0.226 |
| 25 | 3 | LDR-Unbiased | 17.835 | 17.851 | 0.016 |
| 26 | 3 | LDR-Unbiased | 17.907 | 18.003 | 0.096 |
| 27 | 3 | LDR-Unbiased | 17.911 | 17.747 | -0.164 |
| 46 | 10 | LDR-Biased | 17.794 | 17.821 | 0.027 |
| 48 | 10 | LDR-Biased | 17.756 | 18.175 | 0.419 |
| 49 | 10 | LDR-Biased | 17.758 | 18.207 | 0.449 |
| 50 | 10 | LDR-Biased | 17.85 | 17.922 | 0.072 |
| 51 | 10 | LDR-Biased | 17.706 | 18.118 | 0.412 |
| 52 | 10 | LDR-Unbiased | 18.028 | 18.123 | 0.095 |
| 53 | 10 | LDR-Unbiased | 17.627 | 18.229 | 0.602 |
| 55 | 10 | LDR-Unbiased | 17.835 | 18.209 | 0.374 |
| 56 | 10 | LDR-Unbiased | 17.907 | 18.349 | 0.442 |
| 57 | 10 | LDR-Unbiased | 17.911 | 18.056 | 0.145 |
| 76 | 30 | LDR-Biased | 17.794 | 17.93 | 0.136 |
| 78 | 30 | LDR-Biased | 17.756 | 18.333 | 0.577 |
| 79 | 30 | LDR-Biased | 17.758 | 18.272 | 0.514 |
| 80 | 30 | LDR-Biased | 17.85 | 18.023 | 0.173 |
| 81 | 30 | LDR-Biased | 17.706 | 18.11 | 0.404 |
| 82 | 30 | LDR-Unbiased | 18.028 | 18.209 | 0.181 |
| 83 | 30 | LDR-Unbiased | 17.627 | 18.334 | 0.707 |
| 84 | 30 | LDR-Unbiased | 17.911 | 18.169 | 0.258 |
| 85 | 30 | LDR-Unbiased | 17.835 | 18.352 | 0.517 |
| 86 | 30 | LDR-Unbiased | 17.907 | 18.498 | 0.591 |
| 87 | 100 | LDR-Biased | 17.753 | 18.629 | 0.876 |
| 88 | 100 | LDR-Biased | 17.907 | 17.921 | 0.014 |
| 90 | 100 | LDR-Biased | 17.81 | 17.925 | 0.115 |
| 91 | 100 | LDR-Unbiased | 17.99 | 18.668 | 0.678 |
| 93 | 100 | LDR-Unbiased | 17.713 | 18.658 | 0.945 |
| 94 | 100 | LDR-Unbiased | 17.856 | 18.47 | 0.614 |
| 95 | 100 | LDR-Unbiased | 17.794 | 18.578 | 0.784 |
| 96 | 100 | LDR-Unbiased | 17.929 | 18.64 | 0.711 |
| 106 | 50 | LDR-Biased | 17.794 | 17.875 | 0.081 |
| 108 | 50 | LDR-Biased | 17.756 | 18.378 | 0.622 |
| 109 | 50 | LDR-Biased | 17.758 | 18.34 | 0.582 |
| 110 | 50 | LDR-Biased | 17.85 | 18.117 | 0.267 |
| 111 | 50 | LDR-Biased | 17.706 | 18.284 | 0.578 |
| 112 | 50 | LDR-Unbiased | 18.028 | 18.432 | 0.404 |
| 113 | 50 | LDR-Unbiased | 17.627 | 18.487 | 0.86 |
| 115 | 50 | LDR-Unbiased | 17.835 | 18.498 | 0.663 |
| 116 | 50 | LDR-Unbiased | 17.907 | 18.614 | 0.707 |
| 117 | 50 | LDR-Unbiased | 17.911 | 18.402 | 0.491 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.766 | 17.889 | 18.013 | 0.17466 | 17.766 | 17.889 | 18.013 | 0.17466 | 0 | 0 | 0 | 0 |
| 3 | 17.627 | 17.817 | 18.028 | 0.115 | 17.564 | 17.784 | 18.003 | 0.11817 | -0.258 | -0.0334 | 0.226 | 0.16448 |
| 10 | 17.627 | 17.817 | 18.028 | 0.115 | 17.821 | 18.121 | 18.349 | 0.15476 | 0.027 | 0.3037 | 0.602 | 0.19949 |
| 30 | 17.627 | 17.817 | 18.028 | 0.115 | 17.93 | 18.223 | 18.498 | 0.17023 | 0.136 | 0.4058 | 0.707 | 0.20488 |
| 50 | 17.627 | 17.817 | 18.028 | 0.115 | 17.875 | 18.343 | 18.614 | 0.21198 | 0.081 | 0.5255 | 0.86 | 0.22592 |
| 100 | 17.713 | 17.844 | 17.99 | 0.093924 | 17.921 | 18.436 | 18.668 | 0.32285 | 0.014 | 0.59213 | 0.945 | 0.34347 |

# Device Test: 18.8 Res_PU_EN3/EN3/1.6/14/0/0/2/@EN_RPMOS_LOW_V



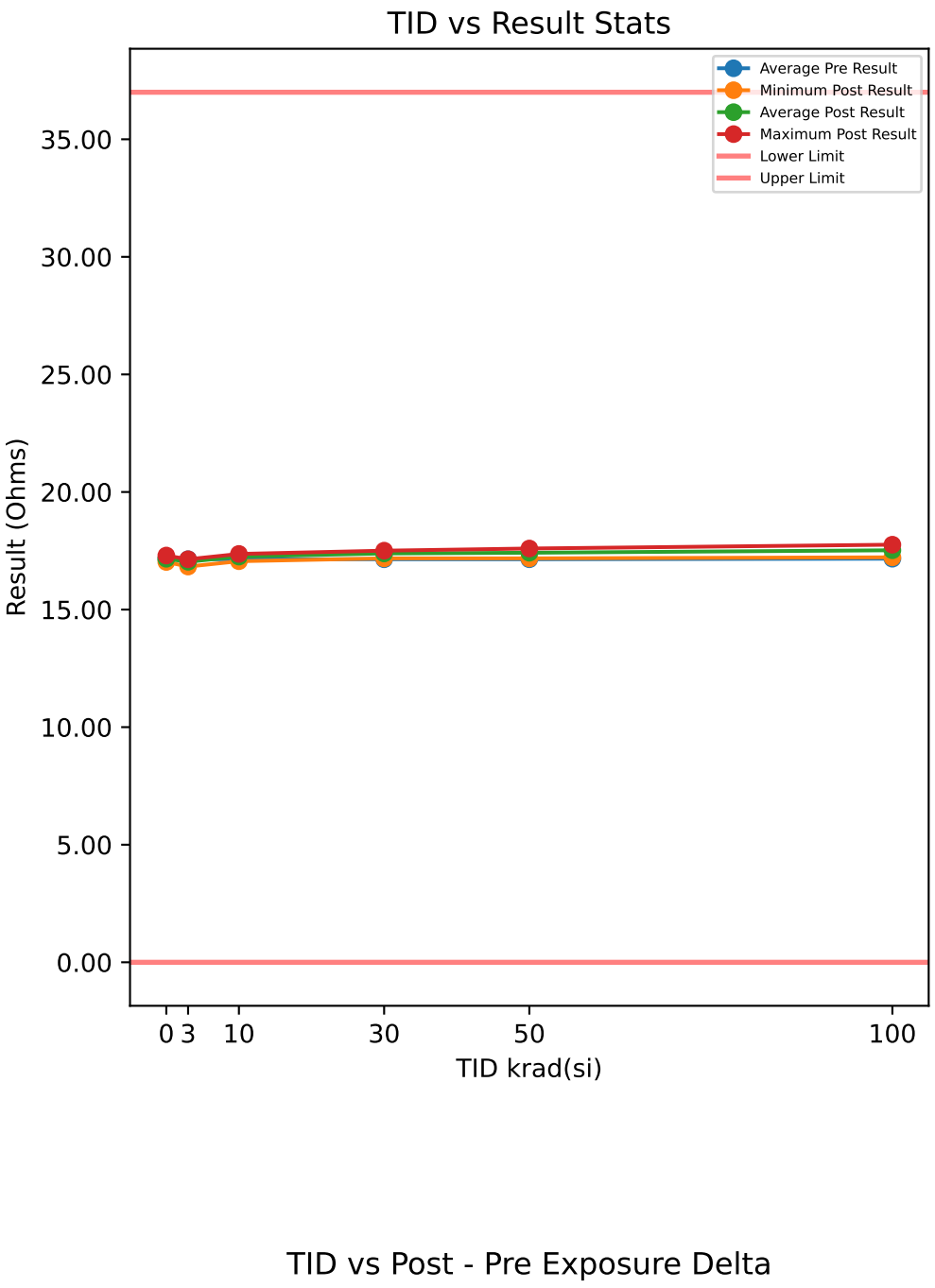

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

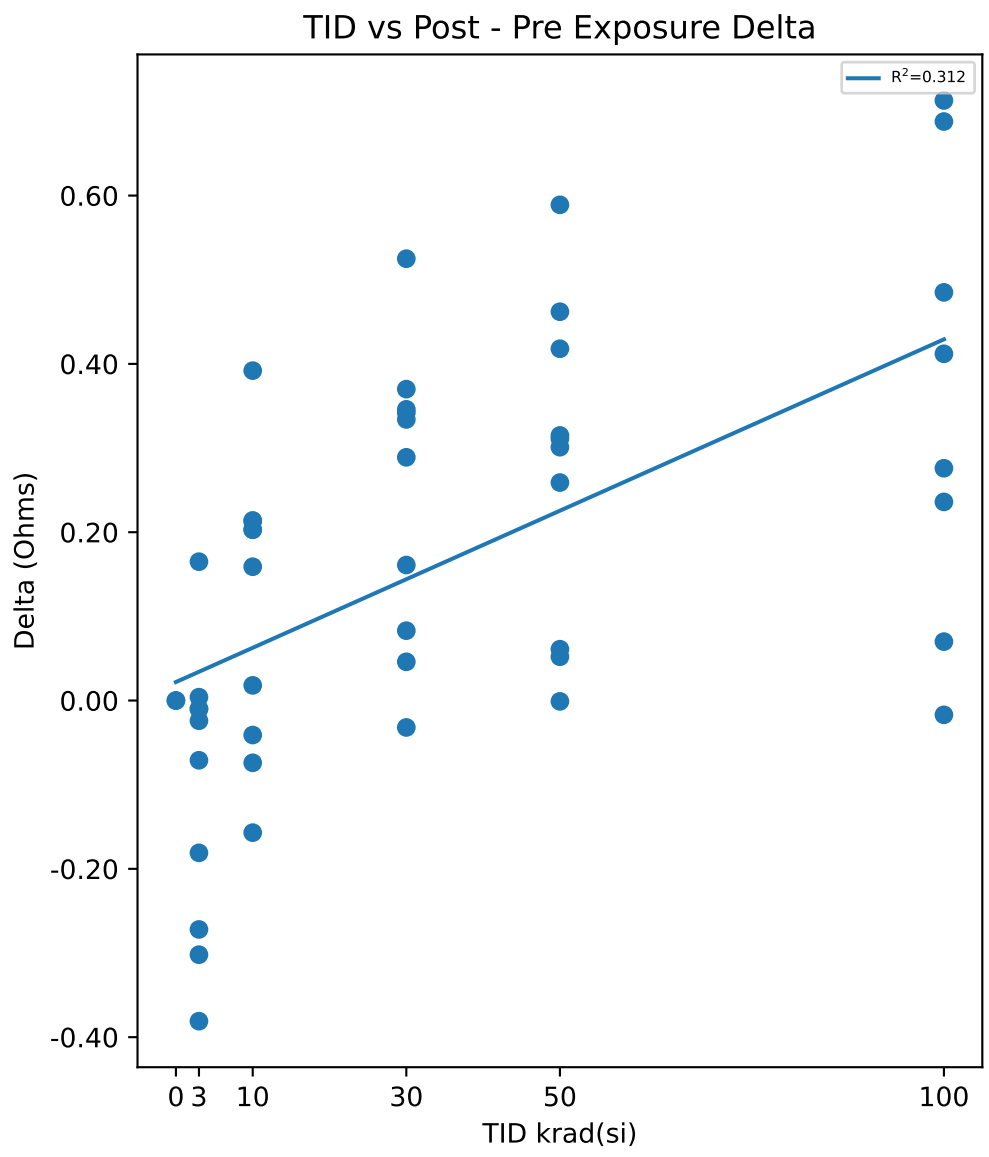
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 17.635 | 17.635 | 0 |
| 7 | 0 | Correlation | 17.407 | 17.407 | 0 |
| 16 | 3 | LDR-Biased | 17.503 | 17.129 | -0.374 |
| 18 | 3 | LDR-Biased | 17.413 | 17.431 | 0.018 |
| 19 | 3 | LDR-Biased | 17.443 | 17.395 | -0.048 |
| 20 | 3 | LDR-Biased | 17.45 | 17.219 | -0.231 |
| 21 | 3 | LDR-Biased | 17.422 | 17.411 | -0.011 |
| 22 | 3 | LDR-Unbiased | 17.645 | 17.402 | -0.243 |
| 23 | 3 | LDR-Unbiased | 17.259 | 17.463 | 0.204 |
| 25 | 3 | LDR-Unbiased | 17.512 | 17.521 | 0.009 |
| 26 | 3 | LDR-Unbiased | 17.5 | 17.498 | -0.002 |
| 27 | 3 | LDR-Unbiased | 17.559 | 17.37 | -0.189 |
| 46 | 10 | LDR-Biased | 17.503 | 17.376 | -0.127 |
| 48 | 10 | LDR-Biased | 17.413 | 17.649 | 0.236 |
| 49 | 10 | LDR-Biased | 17.443 | 17.619 | 0.176 |
| 50 | 10 | LDR-Biased | 17.45 | 17.465 | 0.015 |
| 51 | 10 | LDR-Biased | 17.422 | 17.623 | 0.201 |
| 52 | 10 | LDR-Unbiased | 17.645 | 17.627 | -0.018 |
| 53 | 10 | LDR-Unbiased | 17.259 | 17.71 | 0.451 |
| 55 | 10 | LDR-Unbiased | 17.512 | 17.757 | 0.245 |
| 56 | 10 | LDR-Unbiased | 17.5 | 17.717 | 0.217 |
| 57 | 10 | LDR-Unbiased | 17.559 | 17.578 | 0.019 |
| 76 | 30 | LDR-Biased | 17.503 | 17.512 | 0.009 |
| 78 | 30 | LDR-Biased | 17.413 | 17.837 | 0.424 |
| 79 | 30 | LDR-Biased | 17.443 | 17.761 | 0.318 |
| 80 | 30 | LDR-Biased | 17.45 | 17.561 | 0.111 |
| 81 | 30 | LDR-Biased | 17.422 | 17.69 | 0.268 |
| 82 | 30 | LDR-Unbiased | 17.645 | 17.758 | 0.113 |
| 83 | 30 | LDR-Unbiased | 17.259 | 17.841 | 0.582 |
| 84 | 30 | LDR-Unbiased | 17.559 | 17.723 | 0.164 |
| 85 | 30 | LDR-Unbiased | 17.512 | 17.923 | 0.411 |
| 86 | 30 | LDR-Unbiased | 17.5 | 17.879 | 0.379 |
| 87 | 100 | LDR-Biased | 17.356 | 18.296 | 0.94 |
| 88 | 100 | LDR-Biased | 17.582 | 17.57 | -0.012 |
| 90 | 100 | LDR-Biased | 17.46 | 17.572 | 0.112 |
| 91 | 100 | LDR-Unbiased | 17.647 | 18.268 | 0.621 |
| 93 | 100 | LDR-Unbiased | 17.428 | 18.188 | 0.76 |
| 94 | 100 | LDR-Unbiased | 17.534 | 17.776 | 0.242 |
| 95 | 100 | LDR-Unbiased | 17.438 | 17.941 | 0.503 |
| 96 | 100 | LDR-Unbiased | 17.551 | 17.919 | 0.368 |
| 106 | 50 | LDR-Biased | 17.503 | 17.419 | -0.084 |
| 108 | 50 | LDR-Biased | 17.413 | 17.82 | 0.407 |
| 109 | 50 | LDR-Biased | 17.443 | 17.738 | 0.295 |
| 110 | 50 | LDR-Biased | 17.45 | 17.568 | 0.118 |
| 111 | 50 | LDR-Biased | 17.422 | 17.722 | 0.3 |
| 112 | 50 | LDR-Unbiased | 17.645 | 17.888 | 0.243 |
| 113 | 50 | LDR-Unbiased | 17.259 | 17.963 | 0.704 |
| 115 | 50 | LDR-Unbiased | 17.512 | 18.06 | 0.548 |
| 116 | 50 | LDR-Unbiased | 17.5 | 18.057 | 0.557 |
| 117 | 50 | LDR-Unbiased | 17.559 | 17.834 | 0.275 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.407 | 17.521 | 17.635 | 0.16122 | 17.407 | 17.521 | 17.635 | 0.16122 | 0 | 0 | 0 | 0 |
| 3 | 17.259 | 17.471 | 17.645 | 0.10193 | 17.129 | 17.384 | 17.521 | 0.12194 | -0.374 | -0.0867 | 0.204 | 0.16908 |
| 10 | 17.259 | 17.471 | 17.645 | 0.10193 | 17.376 | 17.612 | 17.757 | 0.11637 | -0.127 | 0.1415 | 0.451 | 0.16813 |
| 30 | 17.259 | 17.471 | 17.645 | 0.10193 | 17.512 | 17.748 | 17.923 | 0.13303 | 0.009 | 0.2779 | 0.582 | 0.17757 |
| 50 | 17.259 | 17.471 | 17.645 | 0.10193 | 17.419 | 17.807 | 18.06 | 0.20493 | -0.084 | 0.3363 | 0.704 | 0.22938 |
| 100 | 17.356 | 17.5 | 17.647 | 0.095208 | 17.57 | 17.941 | 18.296 | 0.29166 | -0.012 | 0.44175 | 0.94 | 0.32632 |

# Device Test: 18.9 Res_PU_EN4/EN4/1.6/14/0/0/2/@EN_RPMOS_LOW_V



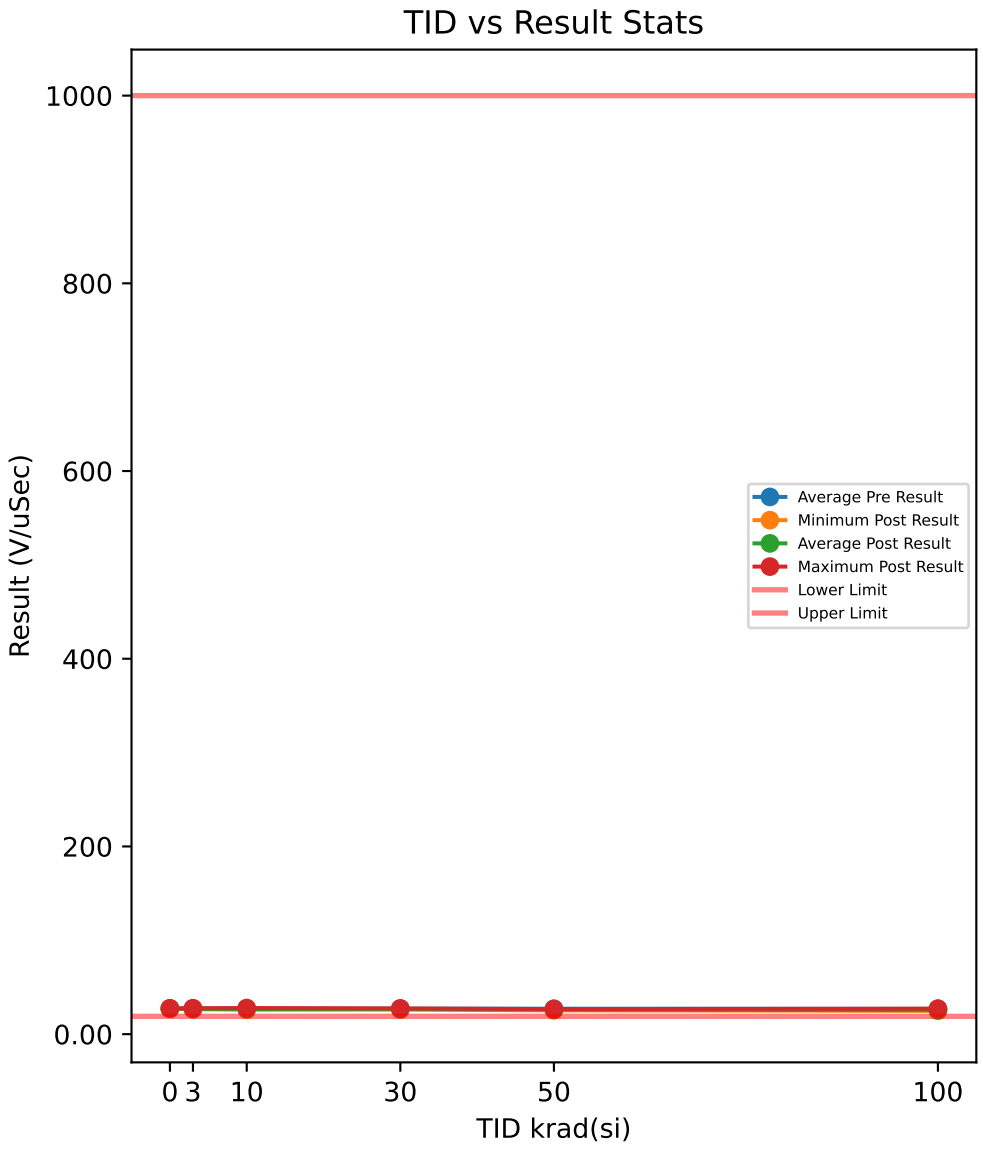

Test Results (Lower Limit = 0.0, Upper Limit = 37.0 (Ohms))

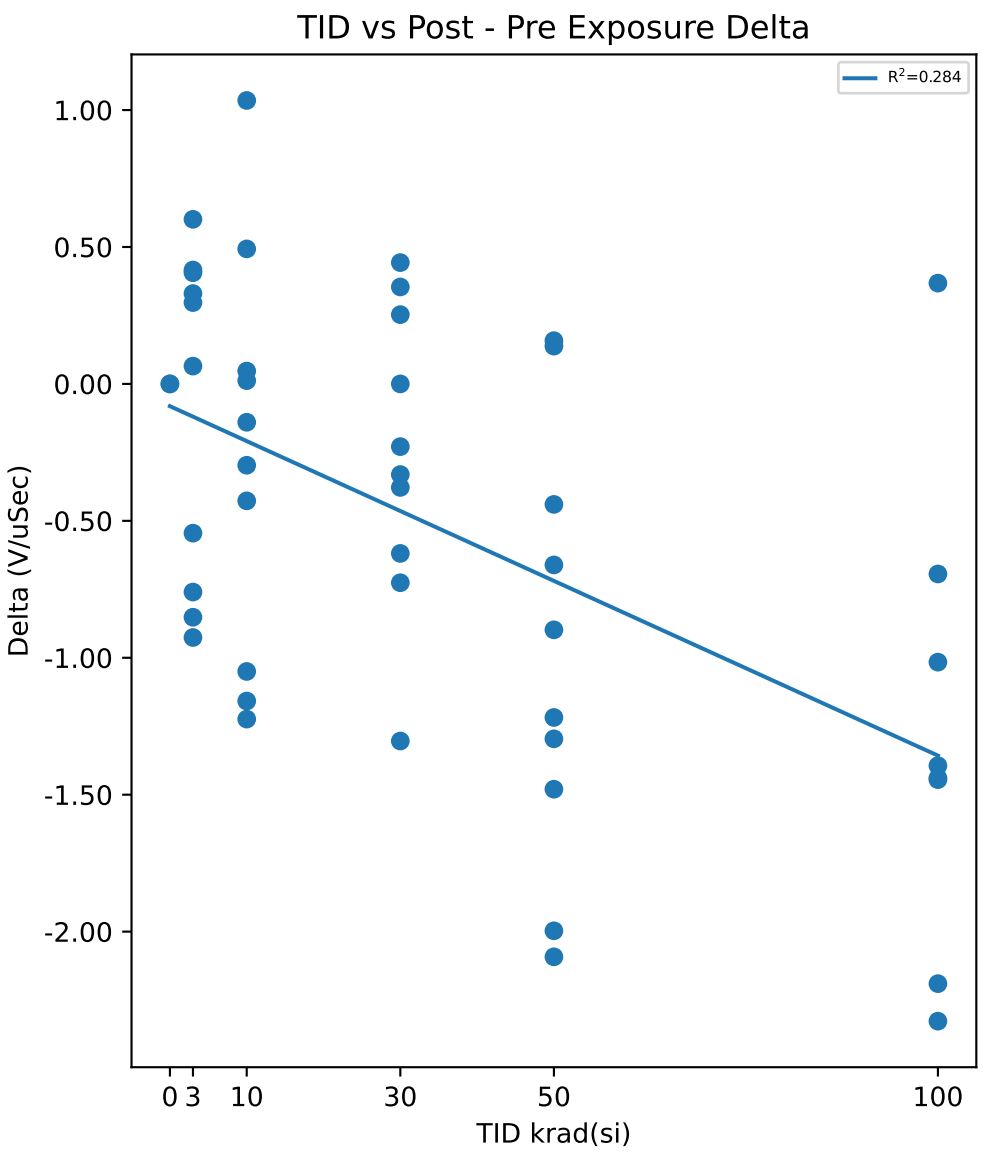
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 17.298 | 17.298 | 0 |
| 7 | 0 | Correlation | 17.024 | 17.024 | 0 |
| 16 | 3 | LDR-Biased | 17.179 | 16.907 | -0.272 |
| 18 | 3 | LDR-Biased | 17.111 | 17.04 | -0.071 |
| 19 | 3 | LDR-Biased | 17.101 | 17.091 | -0.01 |
| 20 | 3 | LDR-Biased | 17.131 | 16.829 | -0.302 |
| 21 | 3 | LDR-Biased | 17.045 | 17.035 | -0.01 |
| 22 | 3 | LDR-Unbiased | 17.365 | 16.984 | -0.381 |
| 23 | 3 | LDR-Unbiased | 16.973 | 17.138 | 0.165 |
| 25 | 3 | LDR-Unbiased | 17.163 | 17.139 | -0.024 |
| 26 | 3 | LDR-Unbiased | 17.135 | 17.139 | 0.004 |
| 27 | 3 | LDR-Unbiased | 17.2 | 17.019 | -0.181 |
| 46 | 10 | LDR-Biased | 17.179 | 17.138 | -0.041 |
| 48 | 10 | LDR-Biased | 17.111 | 17.27 | 0.159 |
| 49 | 10 | LDR-Biased | 17.101 | 17.304 | 0.203 |
| 50 | 10 | LDR-Biased | 17.131 | 17.057 | -0.074 |
| 51 | 10 | LDR-Biased | 17.045 | 17.259 | 0.214 |
| 52 | 10 | LDR-Unbiased | 17.365 | 17.208 | -0.157 |
| 53 | 10 | LDR-Unbiased | 16.973 | 17.365 | 0.392 |
| 55 | 10 | LDR-Unbiased | 17.163 | 17.366 | 0.203 |
| 56 | 10 | LDR-Unbiased | 17.135 | 17.348 | 0.213 |
| 57 | 10 | LDR-Unbiased | 17.2 | 17.218 | 0.018 |
| 76 | 30 | LDR-Biased | 17.179 | 17.262 | 0.083 |
| 78 | 30 | LDR-Biased | 17.111 | 17.445 | 0.334 |
| 79 | 30 | LDR-Biased | 17.101 | 17.447 | 0.346 |
| 80 | 30 | LDR-Biased | 17.131 | 17.177 | 0.046 |
| 81 | 30 | LDR-Biased | 17.045 | 17.334 | 0.289 |
| 82 | 30 | LDR-Unbiased | 17.365 | 17.333 | -0.032 |
| 83 | 30 | LDR-Unbiased | 16.973 | 17.498 | 0.525 |
| 84 | 30 | LDR-Unbiased | 17.2 | 17.361 | 0.161 |
| 85 | 30 | LDR-Unbiased | 17.163 | 17.505 | 0.342 |
| 86 | 30 | LDR-Unbiased | 17.135 | 17.505 | 0.37 |
| 87 | 100 | LDR-Biased | 17.046 | 17.759 | 0.713 |
| 88 | 100 | LDR-Biased | 17.258 | 17.241 | -0.017 |
| 90 | 100 | LDR-Biased | 17.152 | 17.222 | 0.07 |
| 91 | 100 | LDR-Unbiased | 17.345 | 17.757 | 0.412 |
| 93 | 100 | LDR-Unbiased | 17.049 | 17.737 | 0.688 |
| 94 | 100 | LDR-Unbiased | 17.22 | 17.456 | 0.236 |
| 95 | 100 | LDR-Unbiased | 17.042 | 17.527 | 0.485 |
| 96 | 100 | LDR-Unbiased | 17.2 | 17.476 | 0.276 |
| 106 | 50 | LDR-Biased | 17.179 | 17.178 | -0.001 |
| 108 | 50 | LDR-Biased | 17.111 | 17.412 | 0.301 |
| 109 | 50 | LDR-Biased | 17.101 | 17.416 | 0.315 |
| 110 | 50 | LDR-Biased | 17.131 | 17.183 | 0.052 |
| 111 | 50 | LDR-Biased | 17.045 | 17.356 | 0.311 |
| 112 | 50 | LDR-Unbiased | 17.365 | 17.426 | 0.061 |
| 113 | 50 | LDR-Unbiased | 16.973 | 17.562 | 0.589 |
| 115 | 50 | LDR-Unbiased | 17.163 | 17.581 | 0.418 |
| 116 | 50 | LDR-Unbiased | 17.135 | 17.597 | 0.462 |
| 117 | 50 | LDR-Unbiased | 17.2 | 17.459 | 0.259 |

Test Statistics (Ohms)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 17.024 | 17.161 | 17.298 | 0.19375 | 17.024 | 17.161 | 17.298 | 0.19375 | 0 | 0 | 0 | 0 |
| 3 | 16.973 | 17.14 | 17.365 | 0.10309 | 16.829 | 17.032 | 17.139 | 0.10381 | -0.381 | -0.1082 | 0.165 | 0.16967 |
| 10 | 16.973 | 17.14 | 17.365 | 0.10309 | 17.057 | 17.253 | 17.366 | 0.10119 | -0.157 | 0.113 | 0.392 | 0.16897 |
| 30 | 16.973 | 17.14 | 17.365 | 0.10309 | 17.177 | 17.387 | 17.505 | 0.11218 | -0.032 | 0.2464 | 0.525 | 0.1742 |
| 50 | 16.973 | 17.14 | 17.365 | 0.10309 | 17.178 | 17.417 | 17.597 | 0.14825 | -0.001 | 0.2767 | 0.589 | 0.19134 |
| 100 | 17.042 | 17.164 | 17.345 | 0.11225 | 17.222 | 17.522 | 17.759 | 0.21813 | -0.017 | 0.35788 | 0.713 | 0.26703 |

# Device Test: 19.0 tsr_EN1_Rising/EN1/1.6/3/0/0/0/@EN_SLEW_RATE_RISE



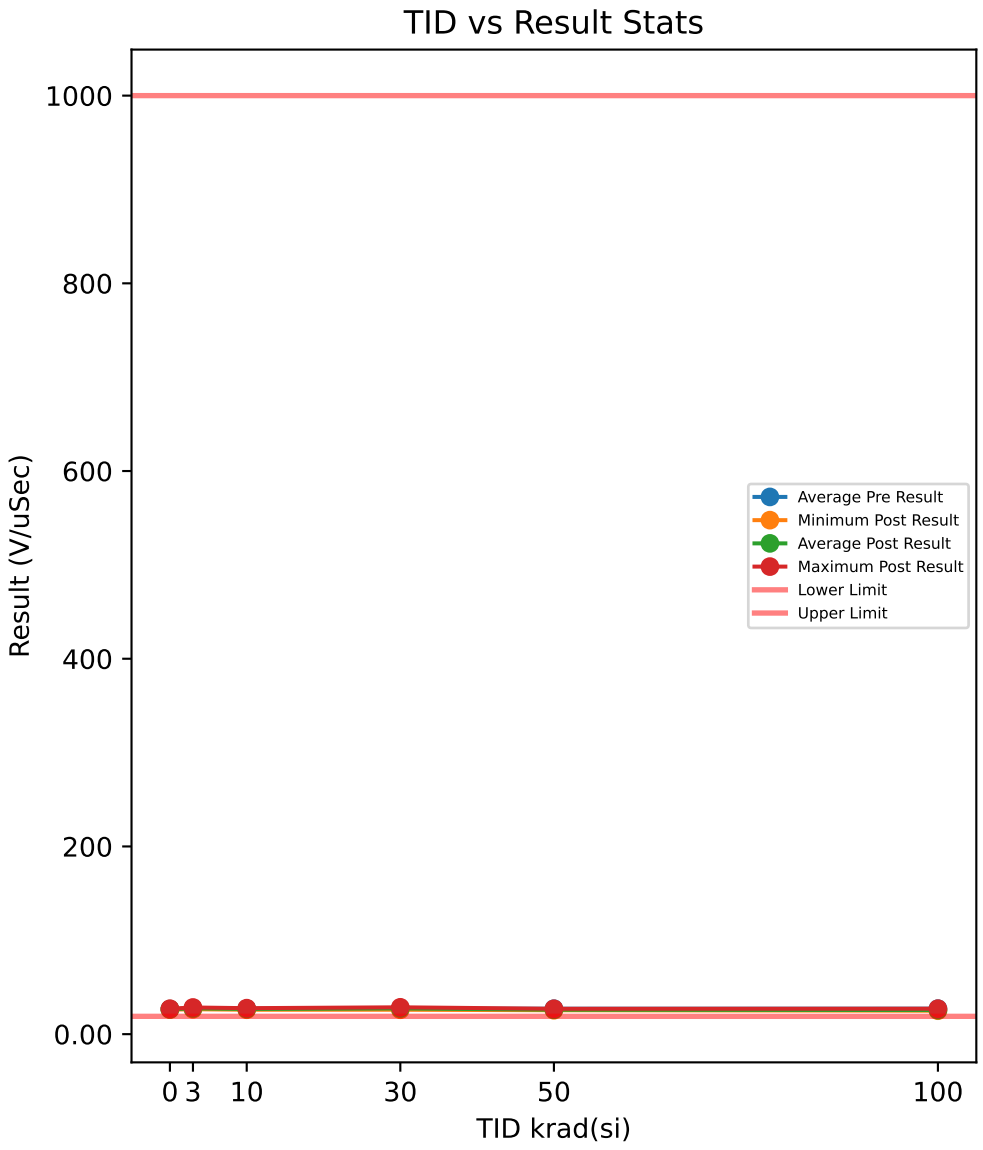

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

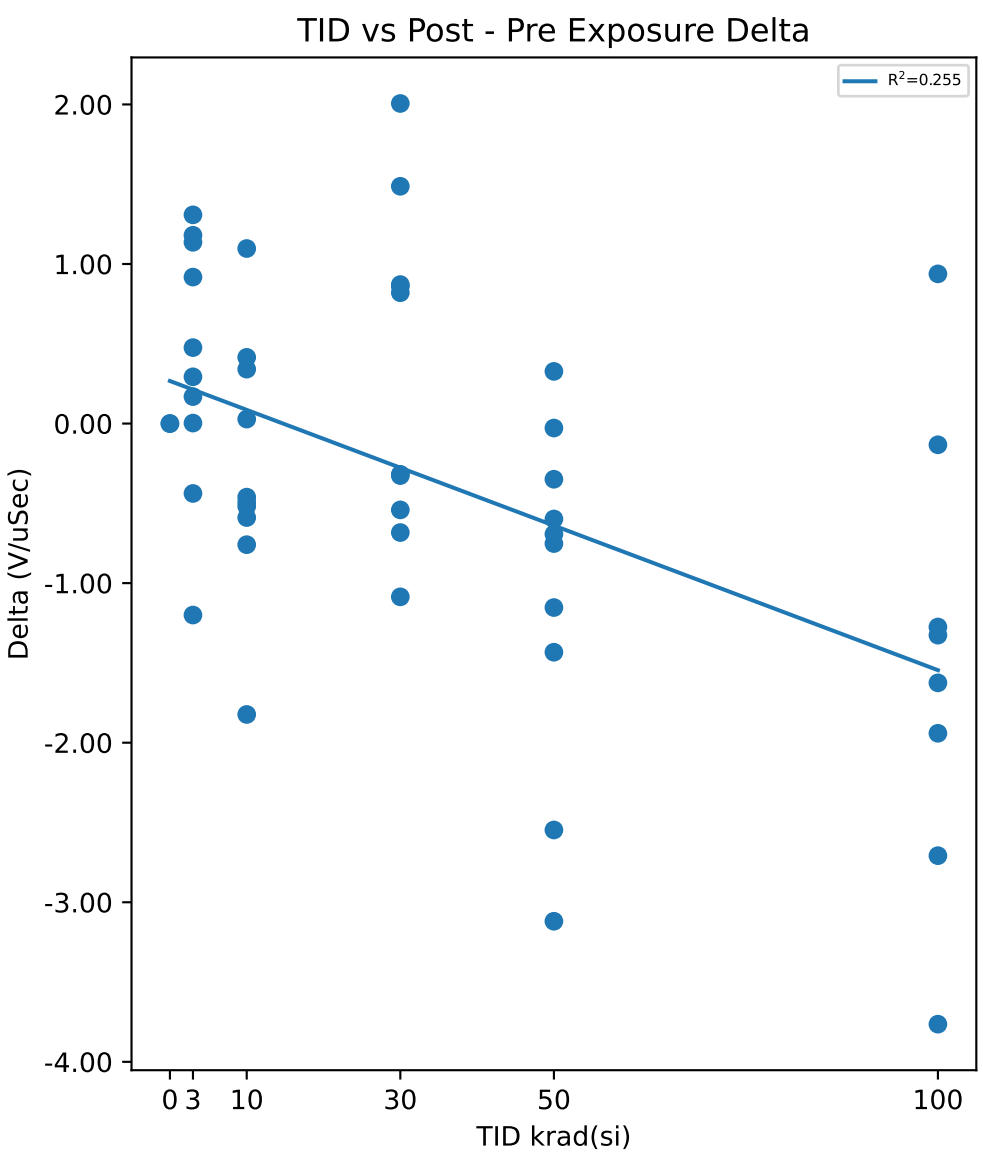
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.999 | 26.999 | 0 |
| 7 | 0 | Correlation | 27.546 | 27.546 | 0 |
| 16 | 3 | LDR-Biased | 26.577 | 27.178 | 0.601 |
| 18 | 3 | LDR-Biased | 27.449 | 26.523 | -0.926 |
| 19 | 3 | LDR-Biased | 27.325 | 27.622 | 0.297 |
| 20 | 3 | LDR-Biased | 26.951 | 27.281 | 0.33 |
| 21 | 3 | LDR-Biased | 26.768 | 26.833 | 0.065 |
| 22 | 3 | LDR-Unbiased | 26.444 | 26.85 | 0.406 |
| 23 | 3 | LDR-Unbiased | 27.373 | 26.828 | -0.545 |
| 25 | 3 | LDR-Unbiased | 28.126 | 27.366 | -0.76 |
| 26 | 3 | LDR-Unbiased | 27.529 | 26.677 | -0.852 |
| 27 | 3 | LDR-Unbiased | 26.469 | 26.885 | 0.416 |
| 46 | 10 | LDR-Biased | 26.577 | 27.07 | 0.493 |
| 48 | 10 | LDR-Biased | 27.449 | 26.399 | -1.05 |
| 49 | 10 | LDR-Biased | 27.325 | 26.101 | -1.224 |
| 50 | 10 | LDR-Biased | 26.951 | 26.811 | -0.14 |
| 51 | 10 | LDR-Biased | 26.768 | 26.78 | 0.012 |
| 52 | 10 | LDR-Unbiased | 26.444 | 26.017 | -0.427 |
| 53 | 10 | LDR-Unbiased | 27.373 | 26.215 | -1.158 |
| 55 | 10 | LDR-Unbiased | 28.126 | 27.829 | -0.297 |
| 56 | 10 | LDR-Unbiased | 27.529 | 27.576 | 0.047 |
| 57 | 10 | LDR-Unbiased | 26.469 | 27.504 | 1.035 |
| 76 | 30 | LDR-Biased | 26.577 | 26.931 | 0.354 |
| 78 | 30 | LDR-Biased | 27.449 | 27.071 | -0.378 |
| 79 | 30 | LDR-Biased | 27.325 | 26.706 | -0.619 |
| 80 | 30 | LDR-Biased | 26.951 | 27.394 | 0.443 |
| 81 | 30 | LDR-Biased | 26.768 | 27.021 | 0.253 |
| 82 | 30 | LDR-Unbiased | 26.444 | 26.444 | 0 |
| 83 | 30 | LDR-Unbiased | 27.373 | 27.144 | -0.229 |
| 84 | 30 | LDR-Unbiased | 26.469 | 26.138 | -0.331 |
| 85 | 30 | LDR-Unbiased | 28.126 | 27.4 | -0.726 |
| 86 | 30 | LDR-Unbiased | 27.529 | 26.225 | -1.304 |
| 87 | 100 | LDR-Biased | 27.679 | 25.489 | -2.19 |
| 88 | 100 | LDR-Biased | 27.08 | 26.386 | -0.694 |
| 90 | 100 | LDR-Biased | 26.796 | 27.164 | 0.368 |
| 91 | 100 | LDR-Unbiased | 26.317 | 24.872 | -1.445 |
| 93 | 100 | LDR-Unbiased | 27.258 | 24.931 | -2.327 |
| 94 | 100 | LDR-Unbiased | 26.489 | 25.095 | -1.394 |
| 95 | 100 | LDR-Unbiased | 27.093 | 26.077 | -1.016 |
| 96 | 100 | LDR-Unbiased | 26.479 | 25.04 | -1.439 |
| 106 | 50 | LDR-Biased | 26.577 | 26.735 | 0.158 |
| 108 | 50 | LDR-Biased | 27.449 | 25.357 | -2.092 |
| 109 | 50 | LDR-Biased | 27.325 | 26.427 | -0.898 |
| 110 | 50 | LDR-Biased | 26.951 | 25.655 | -1.296 |
| 111 | 50 | LDR-Biased | 26.768 | 26.107 | -0.661 |
| 112 | 50 | LDR-Unbiased | 26.444 | 26.004 | -0.44 |
| 113 | 50 | LDR-Unbiased | 27.373 | 26.155 | -1.218 |
| 115 | 50 | LDR-Unbiased | 28.126 | 26.646 | -1.48 |
| 116 | 50 | LDR-Unbiased | 27.529 | 25.532 | -1.997 |
| 117 | 50 | LDR-Unbiased | 26.469 | 26.607 | 0.138 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.999 | 27.273 | 27.546 | 0.38679 | 26.999 | 27.273 | 27.546 | 0.38679 | 0 | 0 | 0 | 0 |
| 3 | 26.444 | 27.101 | 28.126 | 0.54956 | 26.523 | 27.004 | 27.622 | 0.3426 | -0.926 | -0.0968 | 0.601 | 0.60229 |
| 10 | 26.444 | 27.101 | 28.126 | 0.54956 | 26.017 | 26.83 | 27.829 | 0.65198 | -1.224 | -0.2709 | 1.035 | 0.7314 |
| 30 | 26.444 | 27.101 | 28.126 | 0.54956 | 26.138 | 26.847 | 27.4 | 0.4537 | -1.304 | -0.2537 | 0.443 | 0.54339 |
| 50 | 26.444 | 27.101 | 28.126 | 0.54956 | 25.357 | 26.123 | 26.735 | 0.48822 | -2.092 | -0.9786 | 0.158 | 0.79038 |
| 100 | 26.317 | 26.899 | 27.679 | 0.46314 | 24.872 | 25.632 | 27.164 | 0.83168 | -2.327 | -1.2671 | 0.368 | 0.85503 |

# Device Test: 19.1 tsr_EN2_Rising/EN2/1.6/3/0/0/0/@EN_SLEW_RATE_RISE



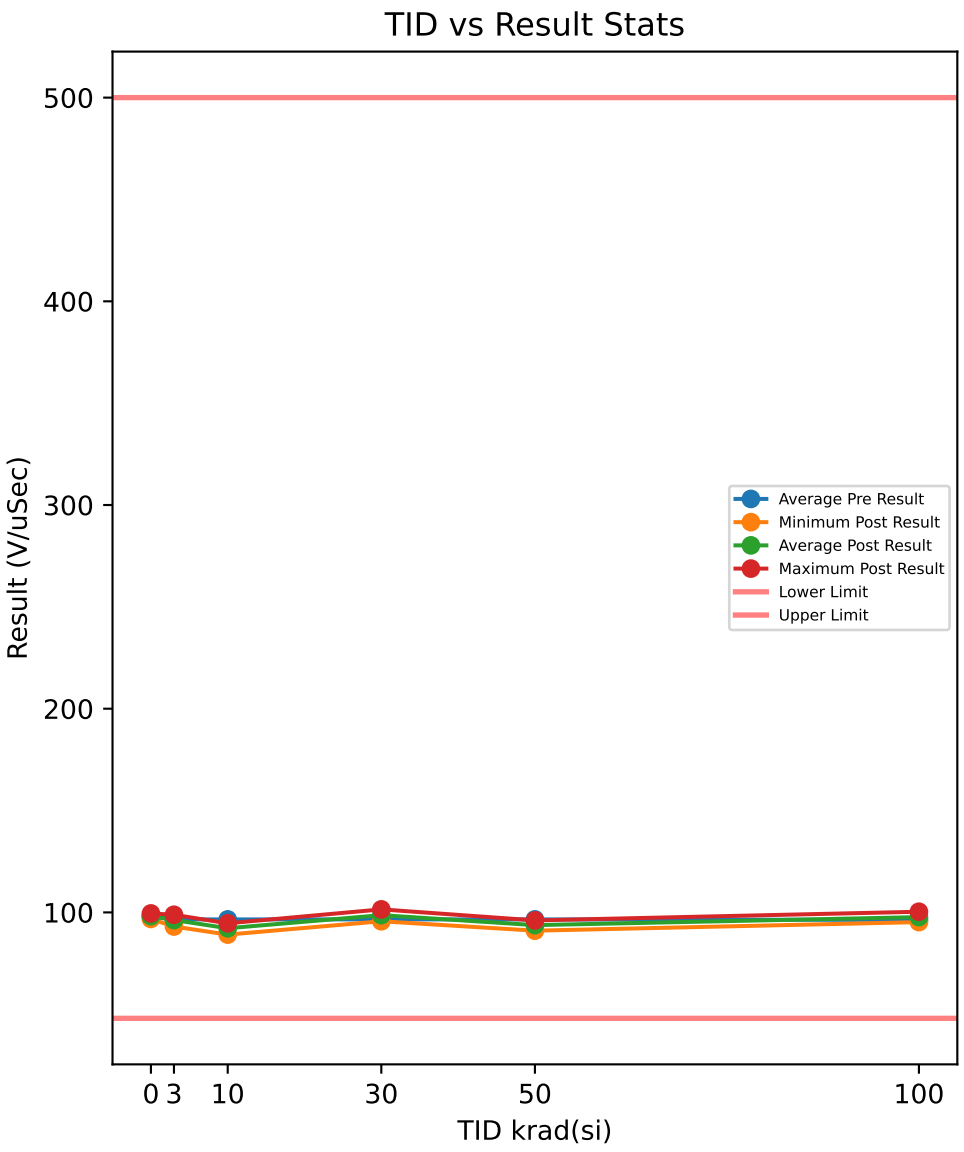

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.108 | 26.108 | 0 |
| 7 | 0 | Correlation | 27.115 | 27.115 | 0 |
| 16 | 3 | LDR-Biased | 26.511 | 27.819 | 1.308 |
| 18 | 3 | LDR-Biased | 26.691 | 27.827 | 1.136 |
| 19 | 3 | LDR-Biased | 28.138 | 28.431 | 0.293 |
| 20 | 3 | LDR-Biased | 26.517 | 26.52 | 0.003 |
| 21 | 3 | LDR-Biased | 27.074 | 27.55 | 0.476 |
| 22 | 3 | LDR-Unbiased | 26.612 | 26.781 | 0.169 |
| 23 | 3 | LDR-Unbiased | 28.745 | 27.545 | -1.2 |
| 25 | 3 | LDR-Unbiased | 26.566 | 27.484 | 0.918 |
| 26 | 3 | LDR-Unbiased | 26.787 | 27.967 | 1.18 |
| 27 | 3 | LDR-Unbiased | 27.278 | 26.84 | -0.438 |
| 46 | 10 | LDR-Biased | 26.511 | 27.608 | 1.097 |
| 48 | 10 | LDR-Biased | 26.691 | 26.23 | -0.461 |
| 49 | 10 | LDR-Biased | 28.138 | 27.549 | -0.589 |
| 50 | 10 | LDR-Biased | 26.517 | 25.998 | -0.519 |
| 51 | 10 | LDR-Biased | 27.074 | 26.315 | -0.759 |
| 52 | 10 | LDR-Unbiased | 26.612 | 26.119 | -0.493 |
| 53 | 10 | LDR-Unbiased | 28.745 | 26.922 | -1.823 |
| 55 | 10 | LDR-Unbiased | 26.566 | 26.907 | 0.341 |
| 56 | 10 | LDR-Unbiased | 26.787 | 26.815 | 0.028 |
| 57 | 10 | LDR-Unbiased | 27.278 | 27.693 | 0.415 |
| 76 | 30 | LDR-Biased | 26.511 | 27.371 | 0.86 |
| 78 | 30 | LDR-Biased | 26.691 | 26.008 | -0.683 |
| 79 | 30 | LDR-Biased | 28.138 | 27.82 | -0.318 |
| 80 | 30 | LDR-Biased | 26.517 | 27.388 | 0.871 |
| 81 | 30 | LDR-Biased | 27.074 | 28.561 | 1.487 |
| 82 | 30 | LDR-Unbiased | 26.612 | 28.618 | 2.006 |
| 83 | 30 | LDR-Unbiased | 28.745 | 28.419 | -0.326 |
| 84 | 30 | LDR-Unbiased | 27.278 | 26.192 | -1.086 |
| 85 | 30 | LDR-Unbiased | 26.566 | 26.025 | -0.541 |
| 86 | 30 | LDR-Unbiased | 26.787 | 27.607 | 0.82 |
| 87 | 100 | LDR-Biased | 27.858 | 25.15 | -2.708 |
| 88 | 100 | LDR-Biased | 26.617 | 26.484 | -0.133 |
| 90 | 100 | LDR-Biased | 26.206 | 27.144 | 0.938 |
| 91 | 100 | LDR-Unbiased | 27.989 | 26.048 | -1.941 |
| 93 | 100 | LDR-Unbiased | 28.734 | 24.97 | -3.764 |
| 94 | 100 | LDR-Unbiased | 26.418 | 25.092 | -1.326 |
| 95 | 100 | LDR-Unbiased | 26.519 | 25.244 | -1.275 |
| 96 | 100 | LDR-Unbiased | 26.822 | 25.197 | -1.625 |
| 106 | 50 | LDR-Biased | 26.511 | 25.759 | -0.752 |
| 108 | 50 | LDR-Biased | 26.691 | 26.342 | -0.349 |
| 109 | 50 | LDR-Biased | 28.138 | 25.591 | -2.547 |
| 110 | 50 | LDR-Biased | 26.517 | 26.844 | 0.327 |
| 111 | 50 | LDR-Biased | 27.074 | 27.046 | -0.028 |
| 112 | 50 | LDR-Unbiased | 26.612 | 25.459 | -1.153 |
| 113 | 50 | LDR-Unbiased | 28.745 | 25.626 | -3.119 |
| 115 | 50 | LDR-Unbiased | 26.566 | 25.873 | -0.693 |
| 116 | 50 | LDR-Unbiased | 26.787 | 26.189 | -0.598 |
| 117 | 50 | LDR-Unbiased | 27.278 | 25.845 | -1.433 |

Test Statistics (V/uSec)

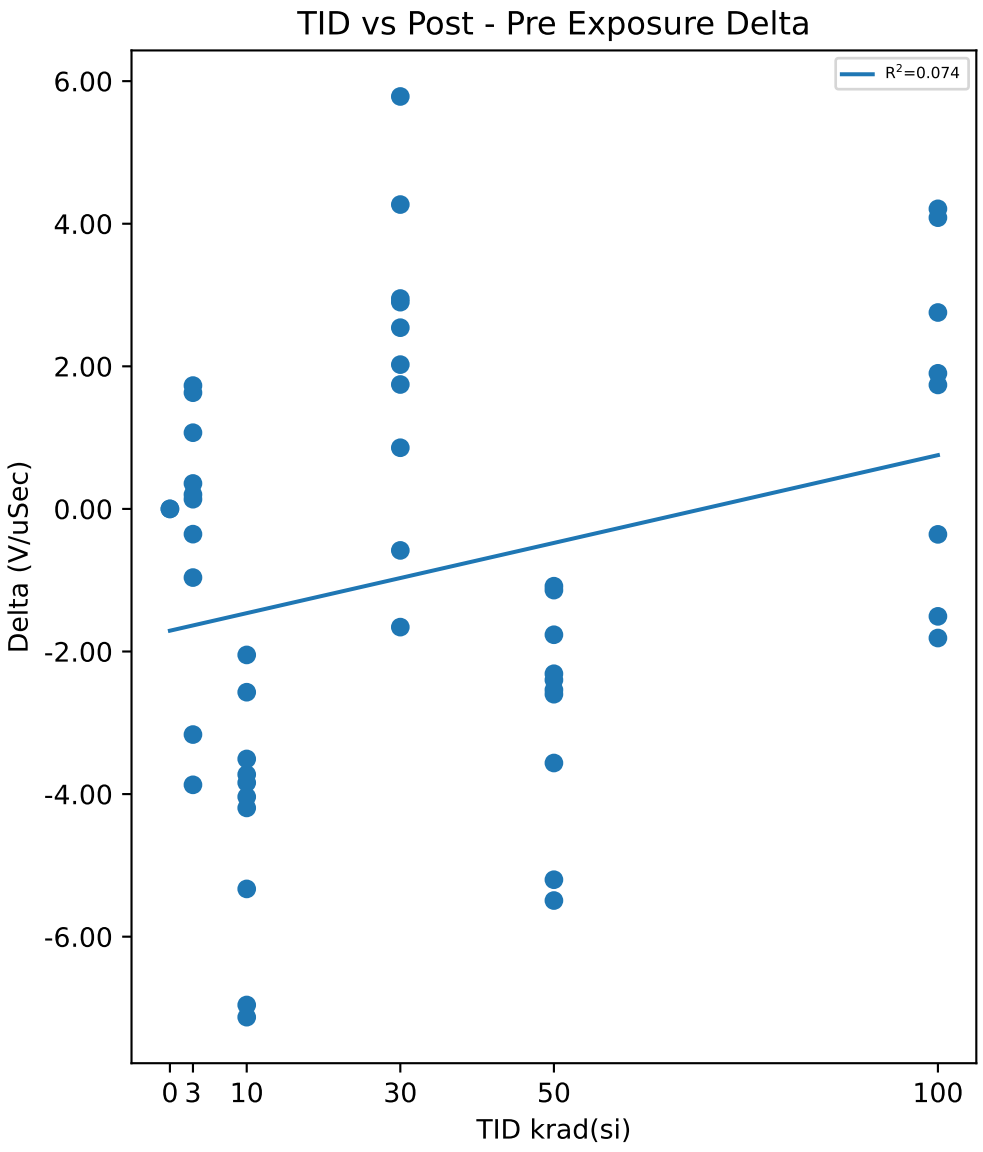
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.108 | 26.611 | 27.115 | 0.71206 | 26.108 | 26.611 | 27.115 | 0.71206 | 0 | 0 | 0 | 0 |
| 3 | 26.511 | 27.092 | 28.745 | 0.76671 | 26.52 | 27.476 | 28.431 | 0.59682 | -1.2 | 0.3845 | 1.308 | 0.79798 |
| 10 | 26.511 | 27.092 | 28.745 | 0.76671 | 25.998 | 26.816 | 27.693 | 0.6414 | -1.823 | -0.2763 | 1.097 | 0.79586 |
| 30 | 26.511 | 27.092 | 28.745 | 0.76671 | 26.008 | 27.401 | 28.618 | 1.0208 | -1.086 | 0.309 | 2.006 | 1.0326 |
| 50 | 26.511 | 27.092 | 28.745 | 0.76671 | 25.459 | 26.057 | 27.046 | 0.53999 | -3.119 | -1.0345 | 0.327 | 1.0816 |
| 100 | 26.206 | 27.145 | 28.734 | 0.92047 | 24.97 | 25.666 | 27.144 | 0.7998 | -3.764 | -1.4793 | 0.938 | 1.4484 |

# Device Test: 19.10 tsr_PWRGD_Falling/PWRGD/1.6/3/0/0/0/@PWRGD_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

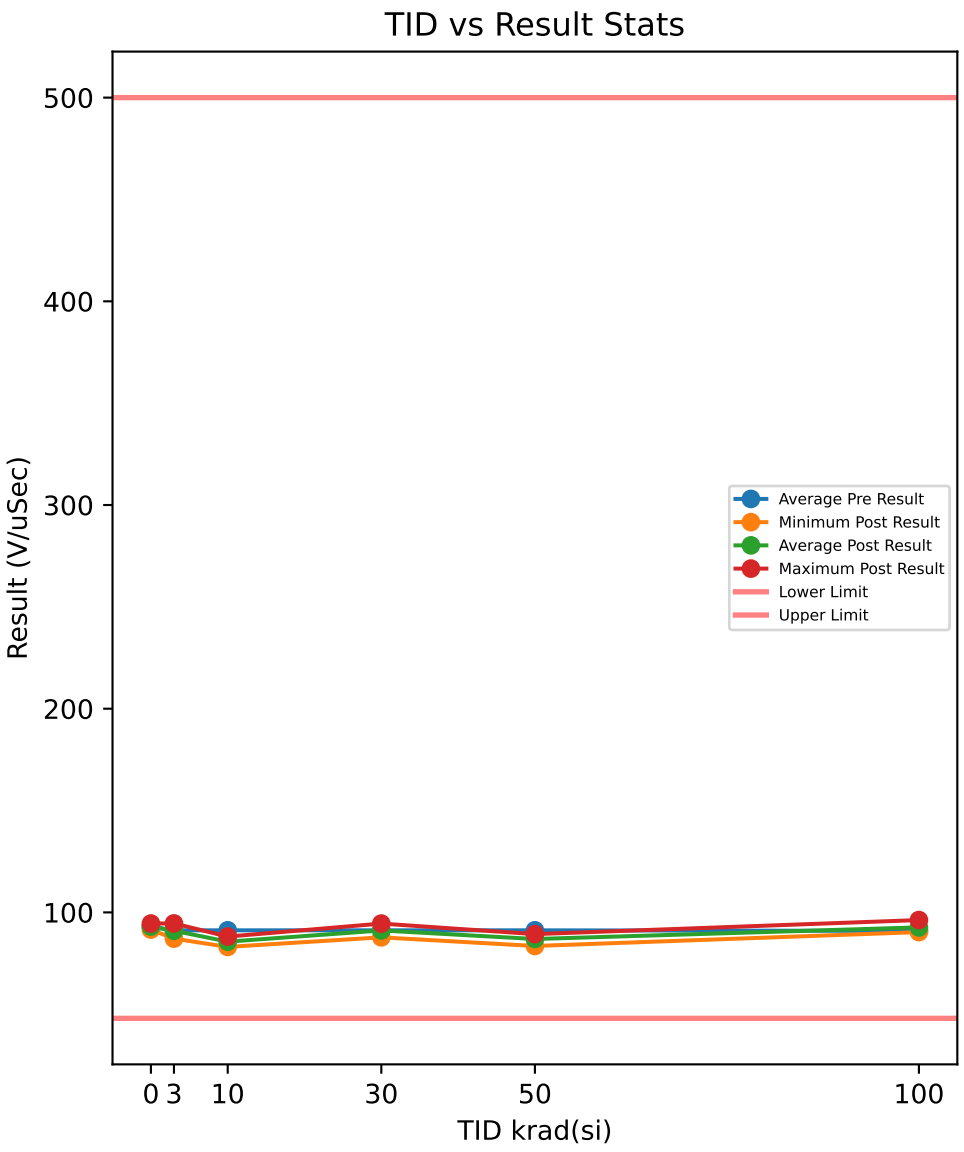
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 96.792 | 96.792 | 0 |
| 7 | 0 | Correlation | 99.492 | 99.492 | 0 |
| 16 | 3 | LDR-Biased | 98.159 | 97.805 | -0.354 |
| 18 | 3 | LDR-Biased | 95.323 | 97.053 | 1.73 |
| 19 | 3 | LDR-Biased | 97.494 | 93.624 | -3.87 |
| 20 | 3 | LDR-Biased | 95.725 | 95.861 | 0.136 |
| 21 | 3 | LDR-Biased | 96.23 | 93.065 | -3.165 |
| 22 | 3 | LDR-Unbiased | 96.949 | 98.018 | 1.069 |
| 23 | 3 | LDR-Unbiased | 96.388 | 96.745 | 0.357 |
| 25 | 3 | LDR-Unbiased | 97.212 | 98.842 | 1.63 |
| 26 | 3 | LDR-Unbiased | 97.32 | 97.521 | 0.201 |
| 27 | 3 | LDR-Unbiased | 94.79 | 93.827 | -0.963 |
| 46 | 10 | LDR-Biased | 98.159 | 93.965 | -4.194 |
| 48 | 10 | LDR-Biased | 95.323 | 93.275 | -2.048 |
| 49 | 10 | LDR-Biased | 97.494 | 90.536 | -6.958 |
| 50 | 10 | LDR-Biased | 95.725 | 91.885 | -3.84 |
| 51 | 10 | LDR-Biased | 96.23 | 89.101 | -7.129 |
| 52 | 10 | LDR-Unbiased | 96.949 | 93.442 | -3.507 |
| 53 | 10 | LDR-Unbiased | 96.388 | 92.663 | -3.725 |
| 55 | 10 | LDR-Unbiased | 97.212 | 94.641 | -2.571 |
| 56 | 10 | LDR-Unbiased | 97.32 | 93.282 | -4.038 |
| 57 | 10 | LDR-Unbiased | 94.79 | 89.46 | -5.33 |
| 76 | 30 | LDR-Biased | 98.159 | 100.18 | 2.024 |
| 78 | 30 | LDR-Biased | 95.323 | 101.11 | 5.785 |
| 79 | 30 | LDR-Biased | 97.494 | 95.836 | -1.658 |
| 80 | 30 | LDR-Biased | 95.725 | 97.47 | 1.745 |
| 81 | 30 | LDR-Biased | 96.23 | 95.648 | -0.582 |
| 82 | 30 | LDR-Unbiased | 96.949 | 99.849 | 2.9 |
| 83 | 30 | LDR-Unbiased | 96.388 | 98.93 | 2.542 |
| 84 | 30 | LDR-Unbiased | 94.79 | 95.648 | 0.858 |
| 85 | 30 | LDR-Unbiased | 97.212 | 101.48 | 4.269 |
| 86 | 30 | LDR-Unbiased | 97.32 | 100.27 | 2.951 |
| 87 | 100 | LDR-Biased | 95.587 | 99.672 | 4.085 |
| 88 | 100 | LDR-Biased | 97.401 | 95.59 | -1.811 |
| 90 | 100 | LDR-Biased | 95.594 | 95.237 | -0.357 |
| 91 | 100 | LDR-Unbiased | 97.327 | 100.08 | 2.755 |
| 93 | 100 | LDR-Unbiased | 96.12 | 100.33 | 4.209 |
| 94 | 100 | LDR-Unbiased | 97.413 | 95.906 | -1.507 |
| 95 | 100 | LDR-Unbiased | 96.086 | 97.825 | 1.739 |
| 96 | 100 | LDR-Unbiased | 94.942 | 96.844 | 1.902 |
| 106 | 50 | LDR-Biased | 98.159 | 95.621 | -2.538 |
| 108 | 50 | LDR-Biased | 95.323 | 94.239 | -1.084 |
| 109 | 50 | LDR-Biased | 97.494 | 92.001 | -5.493 |
| 110 | 50 | LDR-Biased | 95.725 | 93.413 | -2.312 |
| 111 | 50 | LDR-Biased | 96.23 | 91.029 | -5.201 |
| 112 | 50 | LDR-Unbiased | 96.949 | 95.184 | -1.765 |
| 113 | 50 | LDR-Unbiased | 96.388 | 93.989 | -2.399 |
| 115 | 50 | LDR-Unbiased | 97.212 | 96.073 | -1.139 |
| 116 | 50 | LDR-Unbiased | 97.32 | 94.721 | -2.599 |
| 117 | 50 | LDR-Unbiased | 94.79 | 91.226 | -3.564 |

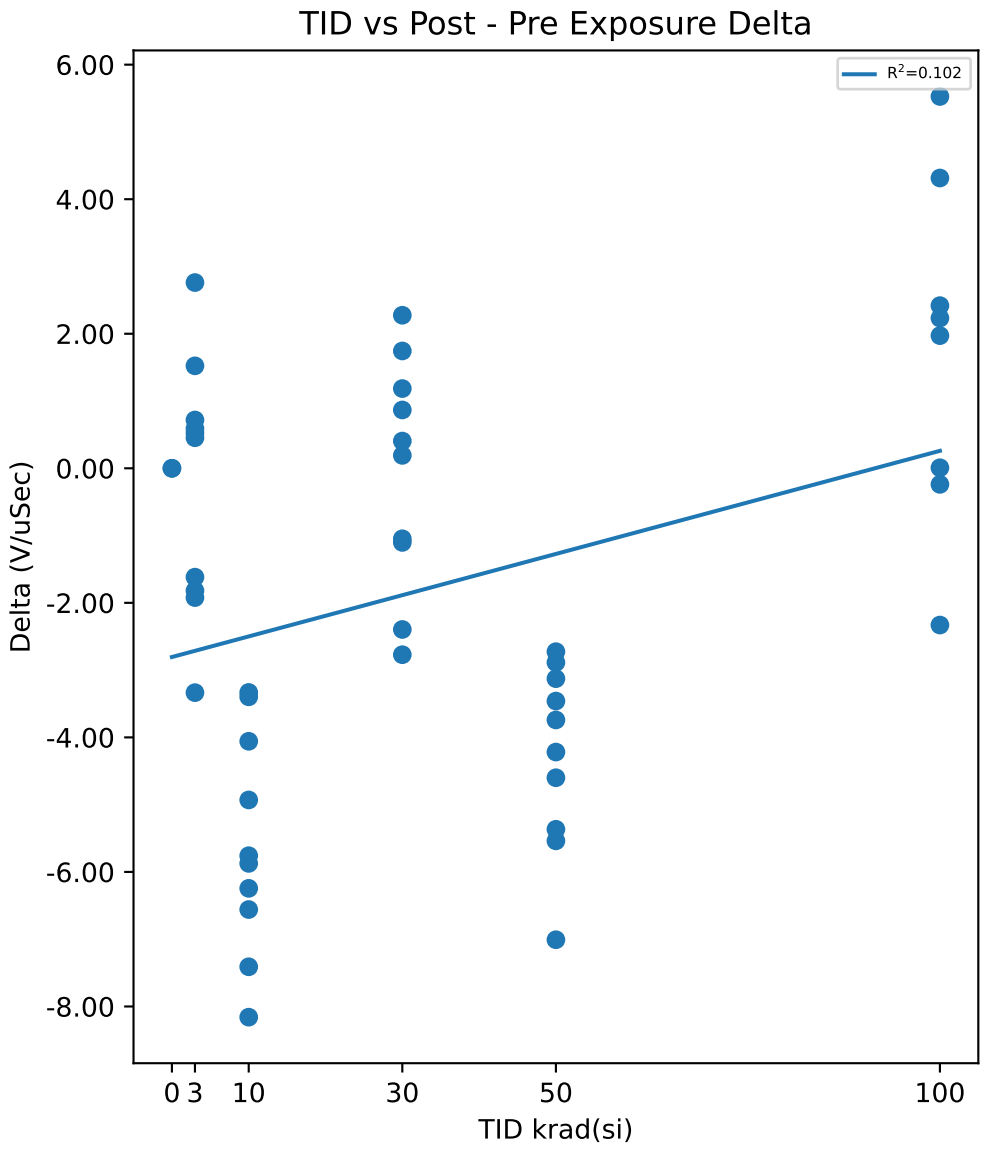



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 96.792 | 98.142 | 99.492 | 1.9092 | 96.792 | 98.142 | 99.492 | 1.9092 | 0 | 0 | 0 | 0 |
| 3 | 94.79 | 96.559 | 98.159 | 1.0584 | 93.065 | 96.236 | 98.842 | 2.0501 | -3.87 | -0.3229 | 1.73 | 1.8851 |
| 10 | 94.79 | 96.559 | 98.159 | 1.0584 | 89.101 | 92.225 | 94.641 | 1.9186 | -7.129 | -4.334 | -2.048 | 1.6809 |
| 30 | 94.79 | 96.559 | 98.159 | 1.0584 | 95.648 | 98.642 | 101.48 | 2.3066 | -1.658 | 2.0834 | 5.785 | 2.1815 |
| 50 | 94.79 | 96.559 | 98.159 | 1.0584 | 91.029 | 93.75 | 96.073 | 1.7994 | -5.493 | -2.8094 | -1.084 | 1.5233 |
| 100 | 94.942 | 96.309 | 97.413 | 0.95874 | 95.237 | 97.686 | 100.33 | 2.103 | -1.811 | 1.3769 | 4.209 | 2.3648 |

# Device Test: 19.11 tsr_SEQ_Falling/SEQ_DONE/1.6/3/0/0/0/@SEQ_DONE_SLEW_RATE_FALL



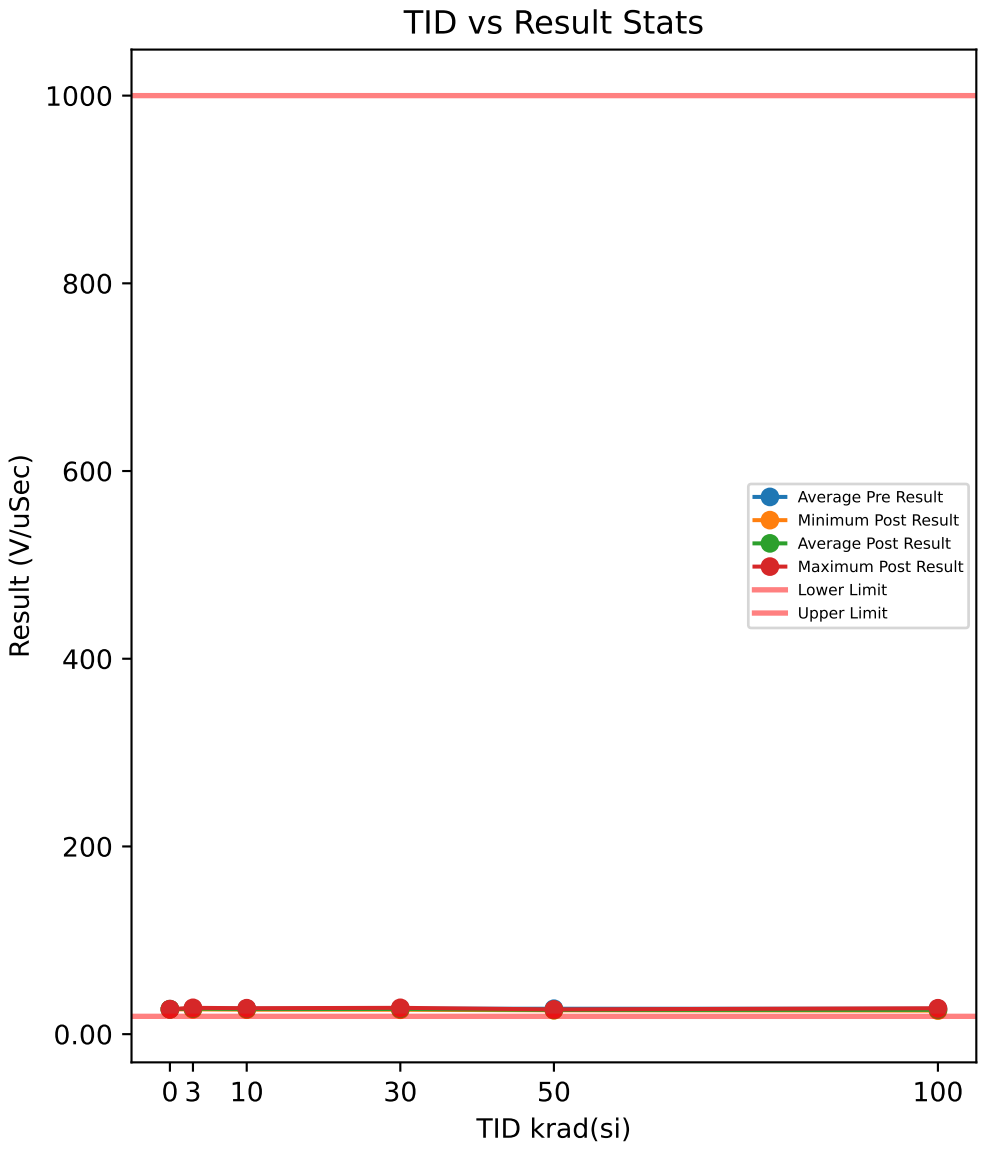

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 91.562 | 91.562 | 0 |
| 7 | 0 | Correlation | 94.528 | 94.528 | 0 |
| 16 | 3 | LDR-Biased | 92.225 | 92.816 | 0.591 |
| 18 | 3 | LDR-Biased | 90.449 | 91.972 | 1.523 |
| 19 | 3 | LDR-Biased | 91.432 | 88.097 | -3.335 |
| 20 | 3 | LDR-Biased | 89.677 | 90.204 | 0.527 |
| 21 | 3 | LDR-Biased | 90.525 | 88.907 | -1.618 |
| 22 | 3 | LDR-Unbiased | 92.188 | 92.642 | 0.454 |
| 23 | 3 | LDR-Unbiased | 91.46 | 92.178 | 0.718 |
| 25 | 3 | LDR-Unbiased | 91.825 | 94.586 | 2.761 |
| 26 | 3 | LDR-Unbiased | 93.326 | 91.404 | -1.922 |
| 27 | 3 | LDR-Unbiased | 88.935 | 87.116 | -1.819 |
| 46 | 10 | LDR-Biased | 92.225 | 85.981 | -6.244 |
| 48 | 10 | LDR-Biased | 90.449 | 87.117 | -3.332 |
| 49 | 10 | LDR-Biased | 91.432 | 84.022 | -7.41 |
| 50 | 10 | LDR-Biased | 89.677 | 86.28 | -3.397 |
| 51 | 10 | LDR-Biased | 90.525 | 83.966 | -6.559 |
| 52 | 10 | LDR-Unbiased | 92.188 | 88.13 | -4.058 |
| 53 | 10 | LDR-Unbiased | 91.46 | 85.701 | -5.759 |
| 55 | 10 | LDR-Unbiased | 91.825 | 86.895 | -4.93 |
| 56 | 10 | LDR-Unbiased | 93.326 | 85.167 | -8.159 |
| 57 | 10 | LDR-Unbiased | 88.935 | 83.062 | -5.873 |
| 76 | 30 | LDR-Biased | 92.225 | 93.969 | 1.744 |
| 78 | 30 | LDR-Biased | 90.449 | 90.641 | 0.192 |
| 79 | 30 | LDR-Biased | 91.432 | 89.036 | -2.396 |
| 80 | 30 | LDR-Biased | 89.677 | 90.544 | 0.867 |
| 81 | 30 | LDR-Biased | 90.525 | 87.754 | -2.771 |
| 82 | 30 | LDR-Unbiased | 92.188 | 92.593 | 0.405 |
| 83 | 30 | LDR-Unbiased | 91.46 | 90.358 | -1.102 |
| 84 | 30 | LDR-Unbiased | 88.935 | 87.887 | -1.048 |
| 85 | 30 | LDR-Unbiased | 91.825 | 94.1 | 2.275 |
| 86 | 30 | LDR-Unbiased | 93.326 | 94.511 | 1.185 |
| 87 | 100 | LDR-Biased | 90.46 | 92.878 | 2.418 |
| 88 | 100 | LDR-Biased | 92.882 | 90.552 | -2.33 |
| 90 | 100 | LDR-Biased | 90.574 | 90.335 | -0.239 |
| 91 | 100 | LDR-Unbiased | 91.794 | 94.027 | 2.233 |
| 93 | 100 | LDR-Unbiased | 90.713 | 96.24 | 5.527 |
| 94 | 100 | LDR-Unbiased | 90.665 | 90.673 | 0.008 |
| 95 | 100 | LDR-Unbiased | 89.206 | 93.521 | 4.315 |
| 96 | 100 | LDR-Unbiased | 90.954 | 92.926 | 1.972 |
| 106 | 50 | LDR-Biased | 92.225 | 89.339 | -2.886 |
| 108 | 50 | LDR-Biased | 90.449 | 86.708 | -3.741 |
| 109 | 50 | LDR-Biased | 91.432 | 86.066 | -5.366 |
| 110 | 50 | LDR-Biased | 89.677 | 86.55 | -3.127 |
| 111 | 50 | LDR-Biased | 90.525 | 83.517 | -7.008 |
| 112 | 50 | LDR-Unbiased | 92.188 | 88.728 | -3.46 |
| 113 | 50 | LDR-Unbiased | 91.46 | 87.242 | -4.218 |
| 115 | 50 | LDR-Unbiased | 91.825 | 89.099 | -2.726 |
| 116 | 50 | LDR-Unbiased | 93.326 | 87.788 | -5.538 |
| 117 | 50 | LDR-Unbiased | 88.935 | 84.335 | -4.6 |

Test Statistics (V/uSec)

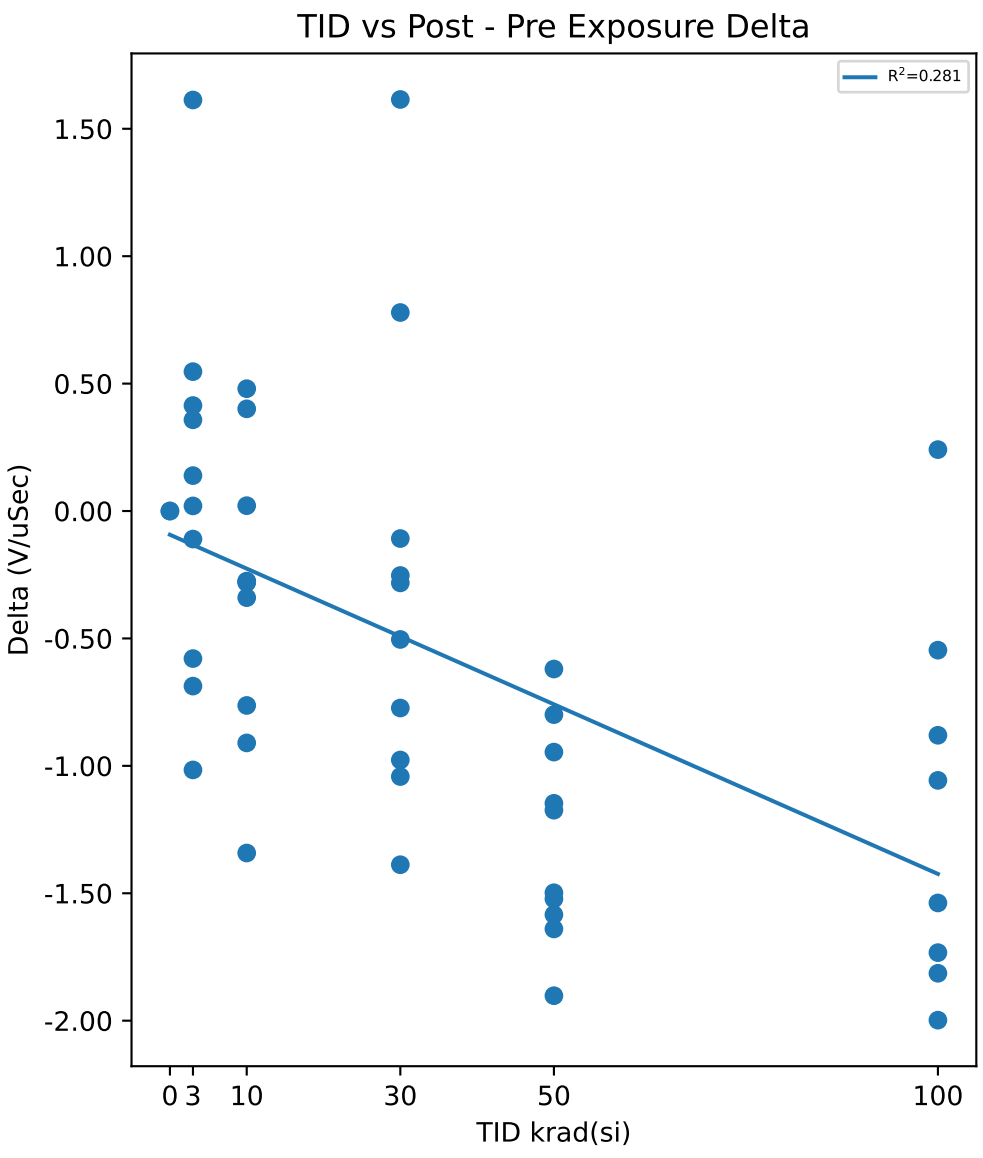
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 91.562 | 93.045 | 94.528 | 2.0973 | 91.562 | 93.045 | 94.528 | 2.0973 | 0 | 0 | 0 | 0 |
| 3 | 88.935 | 91.204 | 93.326 | 1.3135 | 87.116 | 90.992 | 94.586 | 2.3541 | -3.335 | -0.212 | 2.761 | 1.8733 |
| 10 | 88.935 | 91.204 | 93.326 | 1.3135 | 83.062 | 85.632 | 88.13 | 1.5908 | -8.159 | -5.5721 | -3.332 | 1.6355 |
| 30 | 88.935 | 91.204 | 93.326 | 1.3135 | 87.754 | 91.139 | 94.511 | 2.537 | -2.771 | -0.0649 | 2.275 | 1.7083 |
| 50 | 88.935 | 91.204 | 93.326 | 1.3135 | 83.517 | 86.937 | 89.339 | 1.9407 | -7.008 | -4.267 | -2.726 | 1.3727 |
| 100 | 89.206 | 90.906 | 92.882 | 1.0684 | 90.335 | 92.644 | 96.24 | 2.0473 | -2.33 | 1.738 | 5.527 | 2.5414 |

# Device Test: 19.12 tsr_EN1_Rising/EN1/1.6/14/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

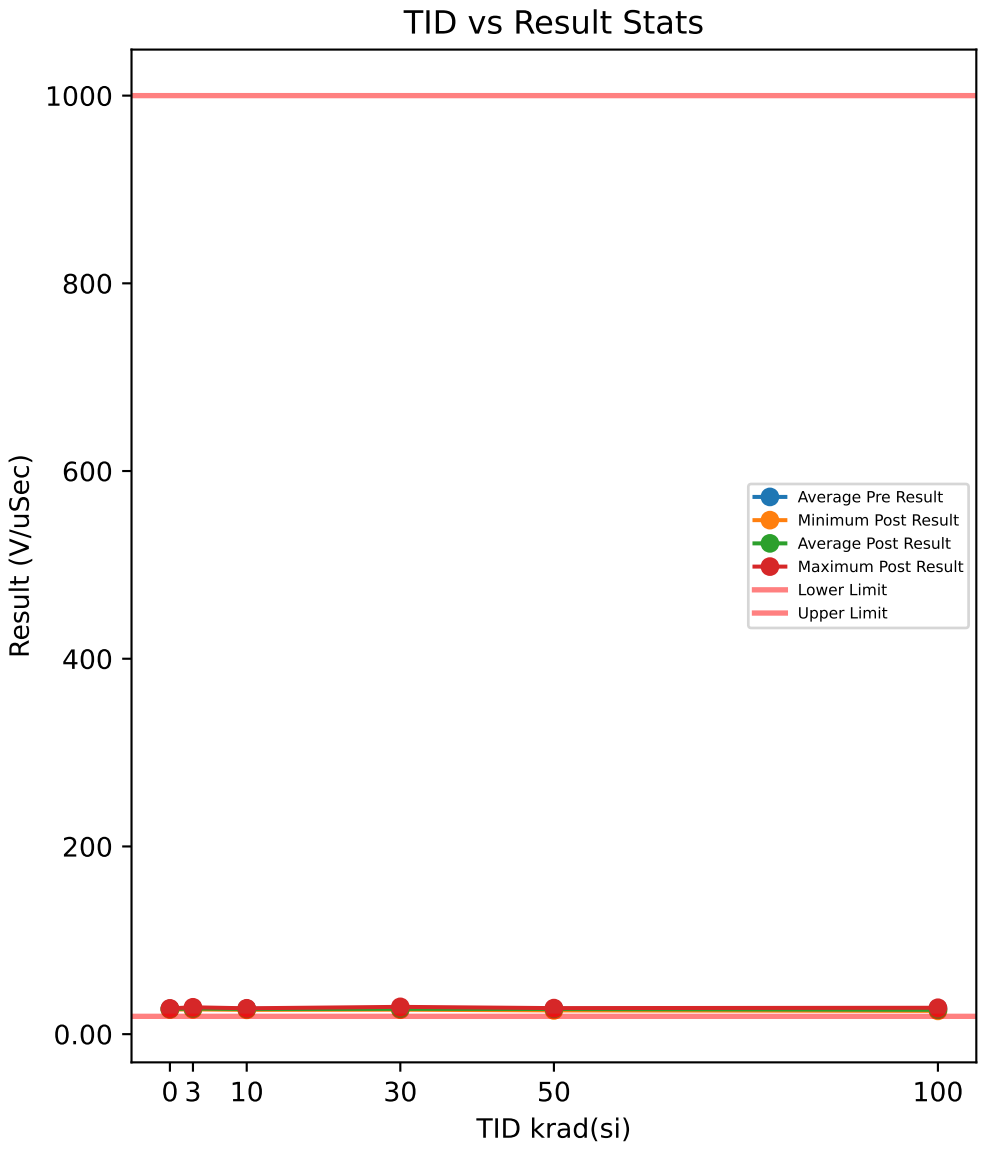
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.448 | 26.448 | 0 |
| 7 | 0 | Correlation | 26.677 | 26.677 | 0 |
| 16 | 3 | LDR-Biased | 26.763 | 26.653 | -0.11 |
| 18 | 3 | LDR-Biased | 26.966 | 26.387 | -0.579 |
| 19 | 3 | LDR-Biased | 27.527 | 27.666 | 0.139 |
| 20 | 3 | LDR-Biased | 26.438 | 28.051 | 1.613 |
| 21 | 3 | LDR-Biased | 27.474 | 27.888 | 0.414 |
| 22 | 3 | LDR-Unbiased | 27.367 | 27.725 | 0.358 |
| 23 | 3 | LDR-Unbiased | 26.63 | 27.177 | 0.547 |
| 25 | 3 | LDR-Unbiased | 27.253 | 27.273 | 0.02 |
| 26 | 3 | LDR-Unbiased | 27.089 | 26.402 | -0.687 |
| 27 | 3 | LDR-Unbiased | 27.505 | 26.489 | -1.016 |
| 46 | 10 | LDR-Biased | 26.763 | 26.482 | -0.281 |
| 48 | 10 | LDR-Biased | 26.966 | 26.056 | -0.91 |
| 49 | 10 | LDR-Biased | 27.527 | 27.187 | -0.34 |
| 50 | 10 | LDR-Biased | 26.438 | 26.161 | -0.277 |
| 51 | 10 | LDR-Biased | 27.474 | 26.132 | -1.342 |
| 52 | 10 | LDR-Unbiased | 27.367 | 27.388 | 0.021 |
| 53 | 10 | LDR-Unbiased | 26.63 | 26.355 | -0.275 |
| 55 | 10 | LDR-Unbiased | 27.253 | 27.654 | 0.401 |
| 56 | 10 | LDR-Unbiased | 27.089 | 27.569 | 0.48 |
| 57 | 10 | LDR-Unbiased | 27.505 | 26.742 | -0.763 |
| 76 | 30 | LDR-Biased | 26.763 | 25.99 | -0.773 |
| 78 | 30 | LDR-Biased | 26.966 | 25.989 | -0.977 |
| 79 | 30 | LDR-Biased | 27.527 | 26.139 | -1.388 |
| 80 | 30 | LDR-Biased | 26.438 | 28.053 | 1.615 |
| 81 | 30 | LDR-Biased | 27.474 | 27.221 | -0.253 |
| 82 | 30 | LDR-Unbiased | 27.367 | 27.085 | -0.282 |
| 83 | 30 | LDR-Unbiased | 26.63 | 27.409 | 0.779 |
| 84 | 30 | LDR-Unbiased | 27.505 | 27.001 | -0.504 |
| 85 | 30 | LDR-Unbiased | 27.253 | 27.145 | -0.108 |
| 86 | 30 | LDR-Unbiased | 27.089 | 26.047 | -1.042 |
| 87 | 100 | LDR-Biased | 26.784 | 25.051 | -1.733 |
| 88 | 100 | LDR-Biased | 27.289 | 26.743 | -0.546 |
| 90 | 100 | LDR-Biased | 27.372 | 27.613 | 0.241 |
| 91 | 100 | LDR-Unbiased | 26.704 | 25.824 | -0.88 |
| 93 | 100 | LDR-Unbiased | 27.671 | 25.673 | -1.998 |
| 94 | 100 | LDR-Unbiased | 26.657 | 25.119 | -1.538 |
| 95 | 100 | LDR-Unbiased | 26.982 | 25.168 | -1.814 |
| 96 | 100 | LDR-Unbiased | 26.742 | 25.685 | -1.057 |
| 106 | 50 | LDR-Biased | 26.763 | 25.817 | -0.946 |
| 108 | 50 | LDR-Biased | 26.966 | 25.382 | -1.584 |
| 109 | 50 | LDR-Biased | 27.527 | 26.353 | -1.174 |
| 110 | 50 | LDR-Biased | 26.438 | 25.818 | -0.62 |
| 111 | 50 | LDR-Biased | 27.474 | 25.976 | -1.498 |
| 112 | 50 | LDR-Unbiased | 27.367 | 26.22 | -1.147 |
| 113 | 50 | LDR-Unbiased | 26.63 | 25.831 | -0.799 |
| 115 | 50 | LDR-Unbiased | 27.253 | 25.731 | -1.522 |
| 116 | 50 | LDR-Unbiased | 27.089 | 25.449 | -1.64 |
| 117 | 50 | LDR-Unbiased | 27.505 | 25.603 | -1.902 |




Test Statistics (V/uSec)

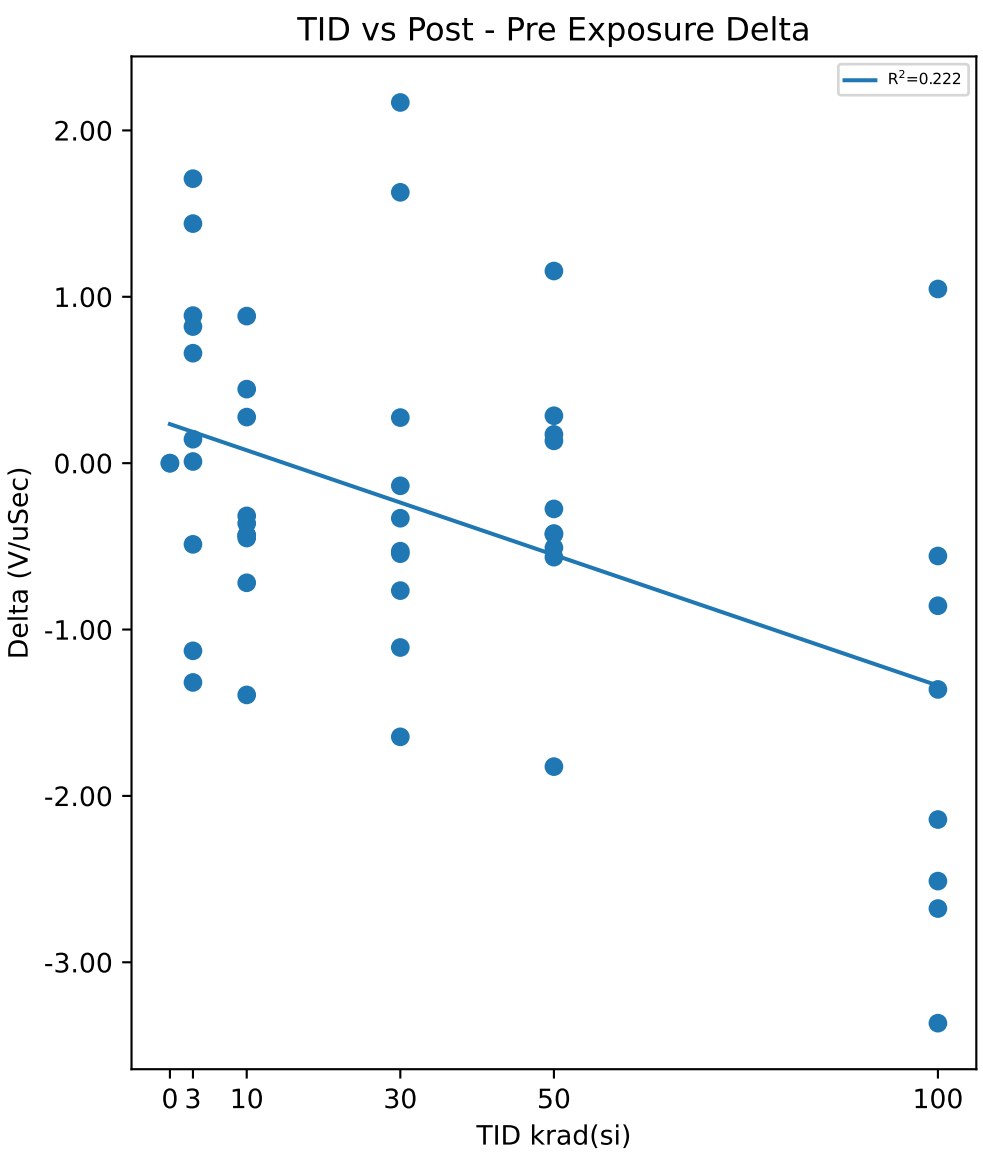
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.448 | 26.562 | 26.677 | 0.16193 | 26.448 | 26.562 | 26.677 | 0.16193 | 0 | 0 | 0 | 0 |
| 3 | 26.438 | 27.101 | 27.527 | 0.3904 | 26.387 | 27.171 | 28.051 | 0.64896 | -1.016 | 0.0699 | 1.613 | 0.74707 |
| 10 | 26.438 | 27.101 | 27.527 | 0.3904 | 26.056 | 26.773 | 27.654 | 0.62532 | -1.342 | -0.3286 | 0.48 | 0.5647 |
| 30 | 26.438 | 27.101 | 27.527 | 0.3904 | 25.989 | 26.808 | 28.053 | 0.7208 | -1.388 | -0.2933 | 1.615 | 0.90237 |
| 50 | 26.438 | 27.101 | 27.527 | 0.3904 | 25.382 | 25.818 | 26.353 | 0.30786 | -1.902 | -1.2832 | -0.62 | 0.41128 |
| 100 | 26.657 | 27.025 | 27.671 | 0.37529 | 25.051 | 25.86 | 27.613 | 0.89459 | -1.998 | -1.1656 | 0.241 | 0.75873 |

# Device Test: 19.13 tsr_EN2_Rising/EN2/1.6/14/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

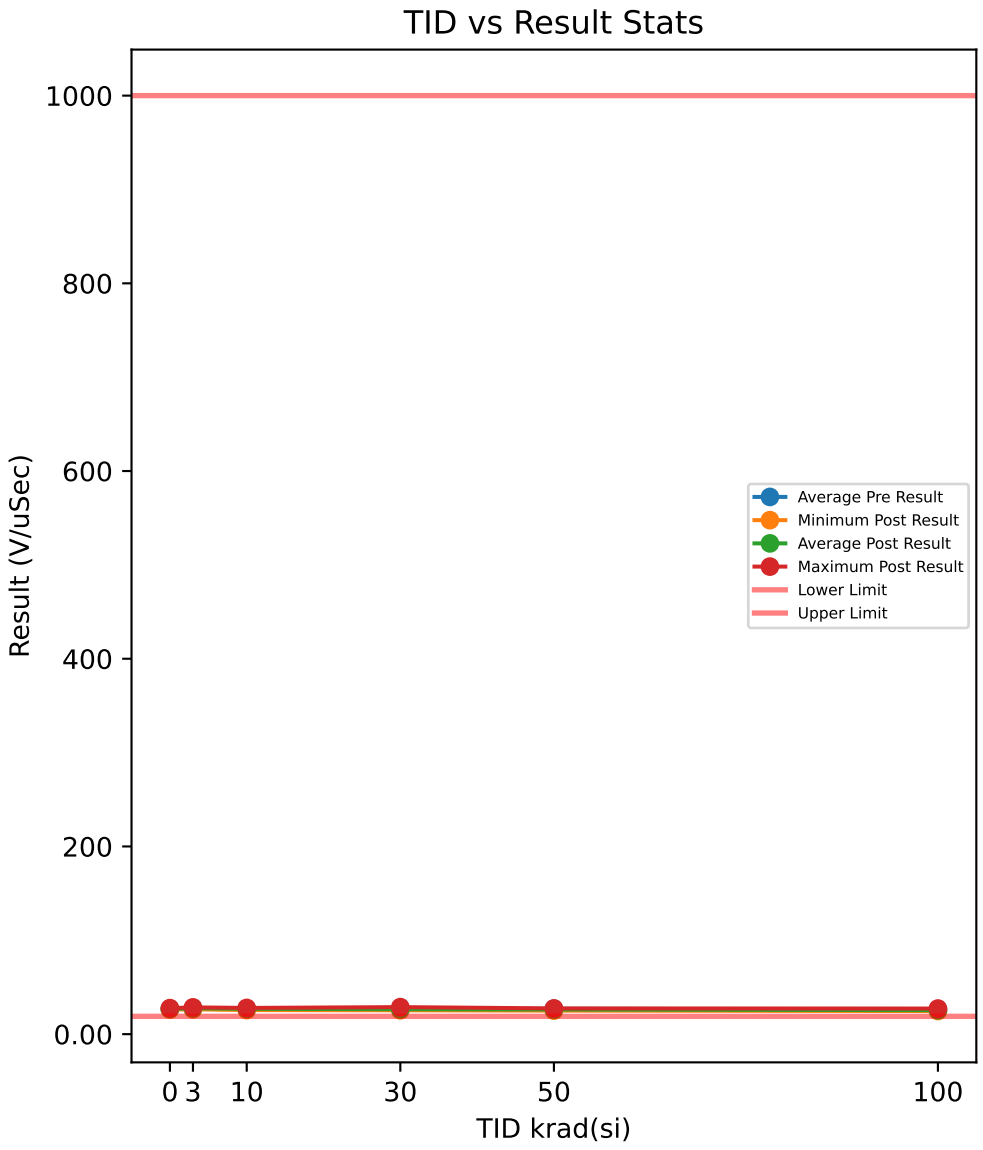
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.194 | 26.194 | 0 |
| 7 | 0 | Correlation | 27.474 | 27.474 | 0 |
| 16 | 3 | LDR-Biased | 27.767 | 26.449 | -1.318 |
| 18 | 3 | LDR-Biased | 26.686 | 28.126 | 1.44 |
| 19 | 3 | LDR-Biased | 27.231 | 27.241 | 0.01 |
| 20 | 3 | LDR-Biased | 26.601 | 27.262 | 0.661 |
| 21 | 3 | LDR-Biased | 26.919 | 28.629 | 1.71 |
| 22 | 3 | LDR-Unbiased | 26.192 | 26.336 | 0.144 |
| 23 | 3 | LDR-Unbiased | 26.855 | 27.676 | 0.821 |
| 25 | 3 | LDR-Unbiased | 27.773 | 26.645 | -1.128 |
| 26 | 3 | LDR-Unbiased | 27.021 | 26.533 | -0.488 |
| 27 | 3 | LDR-Unbiased | 27.091 | 27.978 | 0.887 |
| 46 | 10 | LDR-Biased | 27.767 | 26.374 | -1.393 |
| 48 | 10 | LDR-Biased | 26.686 | 27.57 | 0.884 |
| 49 | 10 | LDR-Biased | 27.231 | 26.869 | -0.362 |
| 50 | 10 | LDR-Biased | 26.601 | 25.882 | -0.719 |
| 51 | 10 | LDR-Biased | 26.919 | 26.485 | -0.434 |
| 52 | 10 | LDR-Unbiased | 26.192 | 26.637 | 0.445 |
| 53 | 10 | LDR-Unbiased | 26.855 | 26.422 | -0.433 |
| 55 | 10 | LDR-Unbiased | 27.773 | 27.323 | -0.45 |
| 56 | 10 | LDR-Unbiased | 27.021 | 27.298 | 0.277 |
| 57 | 10 | LDR-Unbiased | 27.091 | 26.774 | -0.317 |
| 76 | 30 | LDR-Biased | 27.767 | 27.238 | -0.529 |
| 78 | 30 | LDR-Biased | 26.686 | 26.142 | -0.544 |
| 79 | 30 | LDR-Biased | 27.231 | 26.123 | -1.108 |
| 80 | 30 | LDR-Biased | 26.601 | 28.229 | 1.628 |
| 81 | 30 | LDR-Biased | 26.919 | 29.087 | 2.168 |
| 82 | 30 | LDR-Unbiased | 26.192 | 26.056 | -0.136 |
| 83 | 30 | LDR-Unbiased | 26.855 | 26.524 | -0.331 |
| 84 | 30 | LDR-Unbiased | 27.091 | 26.325 | -0.766 |
| 85 | 30 | LDR-Unbiased | 27.773 | 26.128 | -1.645 |
| 86 | 30 | LDR-Unbiased | 27.021 | 27.295 | 0.274 |
| 87 | 100 | LDR-Biased | 28.364 | 25.852 | -2.512 |
| 88 | 100 | LDR-Biased | 27.588 | 27.03 | -0.558 |
| 90 | 100 | LDR-Biased | 27.083 | 28.13 | 1.047 |
| 91 | 100 | LDR-Unbiased | 27.077 | 25.717 | -1.36 |
| 93 | 100 | LDR-Unbiased | 27.165 | 25.023 | -2.142 |
| 94 | 100 | LDR-Unbiased | 26.296 | 25.439 | -0.857 |
| 95 | 100 | LDR-Unbiased | 27.96 | 25.283 | -2.677 |
| 96 | 100 | LDR-Unbiased | 28.16 | 24.794 | -3.366 |
| 106 | 50 | LDR-Biased | 27.767 | 27.34 | -0.427 |
| 108 | 50 | LDR-Biased | 26.686 | 26.82 | 0.134 |
| 109 | 50 | LDR-Biased | 27.231 | 26.956 | -0.275 |
| 110 | 50 | LDR-Biased | 26.601 | 27.756 | 1.155 |
| 111 | 50 | LDR-Biased | 26.919 | 27.092 | 0.173 |
| 112 | 50 | LDR-Unbiased | 26.192 | 25.769 | -0.423 |
| 113 | 50 | LDR-Unbiased | 26.855 | 27.14 | 0.285 |
| 115 | 50 | LDR-Unbiased | 27.773 | 27.265 | -0.508 |
| 116 | 50 | LDR-Unbiased | 27.021 | 26.456 | -0.565 |
| 117 | 50 | LDR-Unbiased | 27.091 | 25.267 | -1.824 |




Test Statistics (V/uSec)

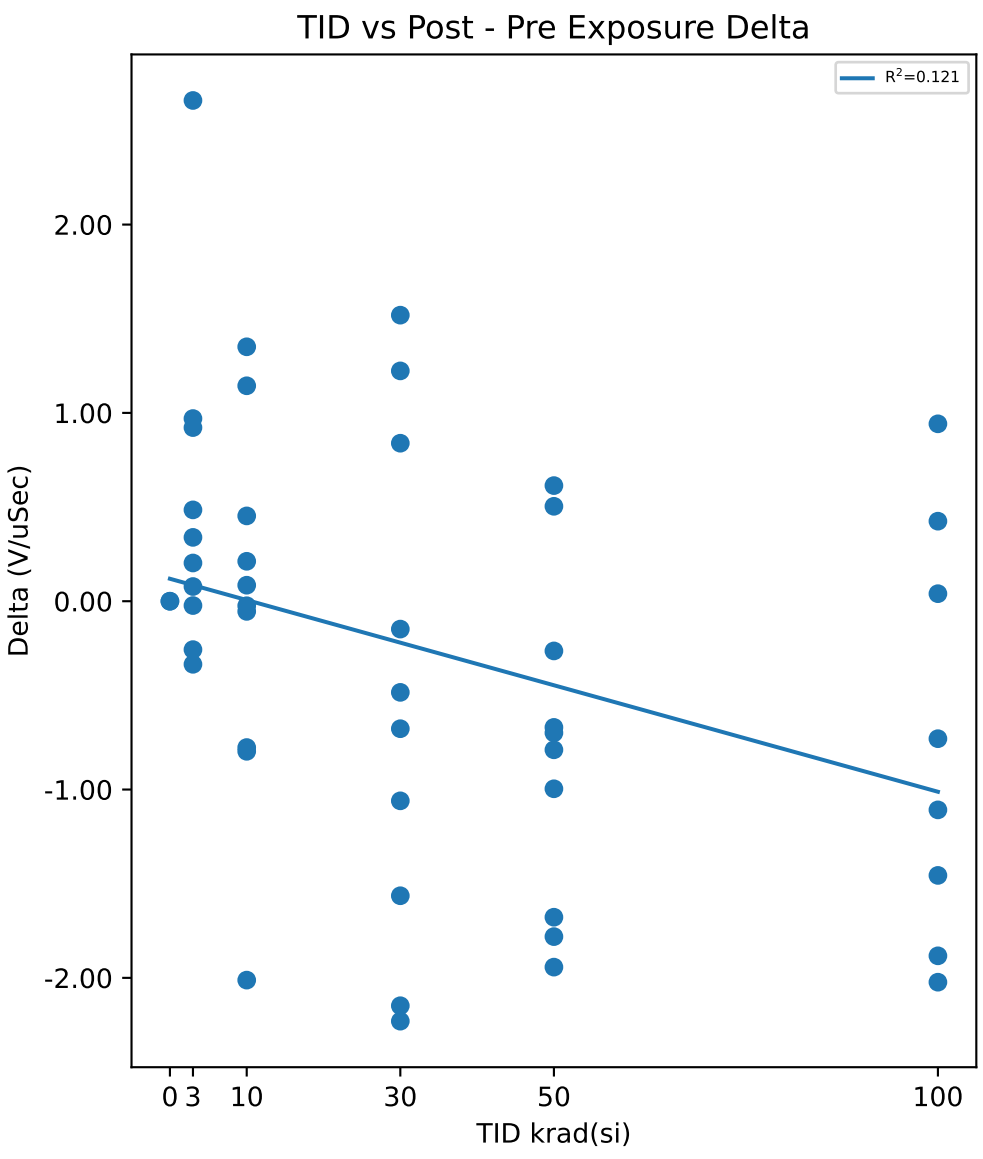
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.194 | 26.834 | 27.474 | 0.9051 | 26.194 | 26.834 | 27.474 | 0.9051 | 0 | 0 | 0 | 0 |
| 3 | 26.192 | 27.014 | 27.773 | 0.49265 | 26.336 | 27.288 | 28.629 | 0.79748 | -1.318 | 0.2739 | 1.71 | 1.0227 |
| 10 | 26.192 | 27.014 | 27.773 | 0.49265 | 25.882 | 26.763 | 27.57 | 0.51633 | -1.393 | -0.2502 | 0.884 | 0.64096 |
| 30 | 26.192 | 27.014 | 27.773 | 0.49265 | 26.056 | 26.915 | 29.087 | 1.0422 | -1.645 | -0.0989 | 2.168 | 1.181 |
| 50 | 26.192 | 27.014 | 27.773 | 0.49265 | 25.267 | 26.786 | 27.756 | 0.75842 | -1.824 | -0.2275 | 1.155 | 0.76643 |
| 100 | 26.296 | 27.462 | 28.364 | 0.68706 | 24.794 | 25.909 | 28.13 | 1.1257 | -3.366 | -1.5531 | 1.047 | 1.4187 |

# Device Test: 19.14 tsr_EN3_Rising/EN3/1.6/14/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

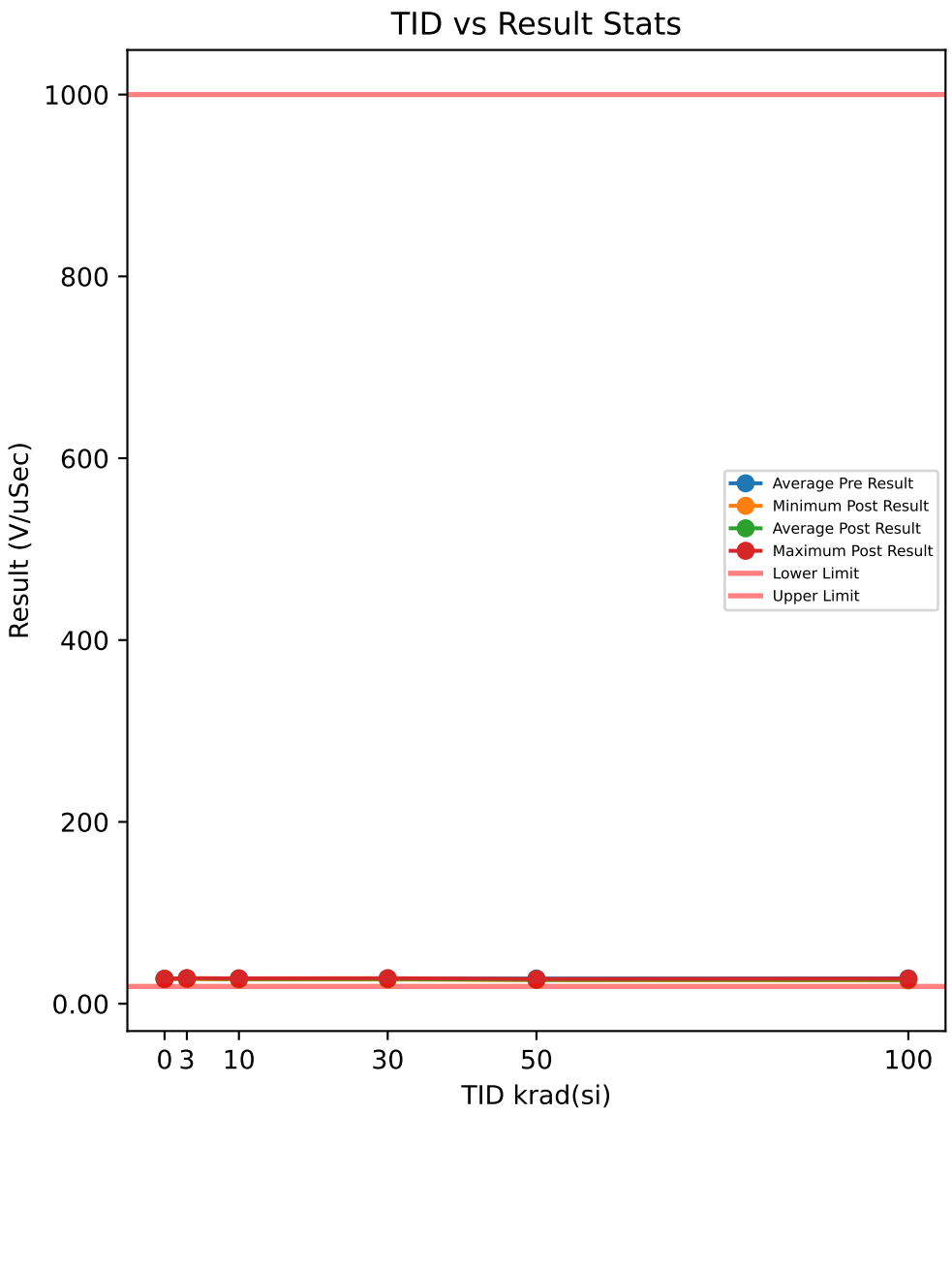
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.218 | 26.218 | 0 |
| 7 | 0 | Correlation | 27.724 | 27.724 | 0 |
| 16 | 3 | LDR-Biased | 28.108 | 27.851 | -0.257 |
| 18 | 3 | LDR-Biased | 27.173 | 27.251 | 0.078 |
| 19 | 3 | LDR-Biased | 27.658 | 27.861 | 0.203 |
| 20 | 3 | LDR-Biased | 25.972 | 26.457 | 0.485 |
| 21 | 3 | LDR-Biased | 26.594 | 27.516 | 0.922 |
| 22 | 3 | LDR-Unbiased | 27.3 | 27.639 | 0.339 |
| 23 | 3 | LDR-Unbiased | 27.741 | 27.718 | -0.023 |
| 25 | 3 | LDR-Unbiased | 27.167 | 26.832 | -0.335 |
| 26 | 3 | LDR-Unbiased | 25.866 | 28.525 | 2.659 |
| 27 | 3 | LDR-Unbiased | 26.743 | 27.713 | 0.97 |
| 46 | 10 | LDR-Biased | 28.108 | 27.331 | -0.777 |
| 48 | 10 | LDR-Biased | 27.173 | 27.258 | 0.085 |
| 49 | 10 | LDR-Biased | 27.658 | 25.646 | -2.012 |
| 50 | 10 | LDR-Biased | 25.972 | 26.425 | 0.453 |
| 51 | 10 | LDR-Biased | 26.594 | 27.945 | 1.351 |
| 52 | 10 | LDR-Unbiased | 27.3 | 27.246 | -0.054 |
| 53 | 10 | LDR-Unbiased | 27.741 | 27.953 | 0.212 |
| 55 | 10 | LDR-Unbiased | 27.167 | 27.143 | -0.024 |
| 56 | 10 | LDR-Unbiased | 25.866 | 27.01 | 1.144 |
| 57 | 10 | LDR-Unbiased | 26.743 | 25.946 | -0.797 |
| 76 | 30 | LDR-Biased | 28.108 | 25.96 | -2.148 |
| 78 | 30 | LDR-Biased | 27.173 | 26.689 | -0.484 |
| 79 | 30 | LDR-Biased | 27.658 | 25.428 | -2.23 |
| 80 | 30 | LDR-Biased | 25.972 | 26.811 | 0.839 |
| 81 | 30 | LDR-Biased | 26.594 | 25.917 | -0.677 |
| 82 | 30 | LDR-Unbiased | 27.3 | 28.819 | 1.519 |
| 83 | 30 | LDR-Unbiased | 27.741 | 27.593 | -0.148 |
| 84 | 30 | LDR-Unbiased | 26.743 | 25.683 | -1.06 |
| 85 | 30 | LDR-Unbiased | 27.167 | 25.603 | -1.564 |
| 86 | 30 | LDR-Unbiased | 25.866 | 27.089 | 1.223 |
| 87 | 100 | LDR-Biased | 27.179 | 25.156 | -2.023 |
| 88 | 100 | LDR-Biased | 26.153 | 26.578 | 0.425 |
| 90 | 100 | LDR-Biased | 26.352 | 27.294 | 0.942 |
| 91 | 100 | LDR-Unbiased | 25.98 | 25.25 | -0.73 |
| 93 | 100 | LDR-Unbiased | 26.187 | 24.731 | -1.456 |
| 94 | 100 | LDR-Unbiased | 25.885 | 25.925 | 0.04 |
| 95 | 100 | LDR-Unbiased | 26.797 | 24.914 | -1.883 |
| 96 | 100 | LDR-Unbiased | 25.736 | 24.628 | -1.108 |
| 106 | 50 | LDR-Biased | 28.108 | 27.438 | -0.67 |
| 108 | 50 | LDR-Biased | 27.173 | 25.392 | -1.781 |
| 109 | 50 | LDR-Biased | 27.658 | 26.959 | -0.699 |
| 110 | 50 | LDR-Biased | 25.972 | 25.708 | -0.264 |
| 111 | 50 | LDR-Biased | 26.594 | 27.098 | 0.504 |
| 112 | 50 | LDR-Unbiased | 27.3 | 25.622 | -1.678 |
| 113 | 50 | LDR-Unbiased | 27.741 | 26.745 | -0.996 |
| 115 | 50 | LDR-Unbiased | 27.167 | 25.224 | -1.943 |
| 116 | 50 | LDR-Unbiased | 25.866 | 25.077 | -0.789 |
| 117 | 50 | LDR-Unbiased | 26.743 | 27.357 | 0.614 |




Test Statistics (V/uSec)

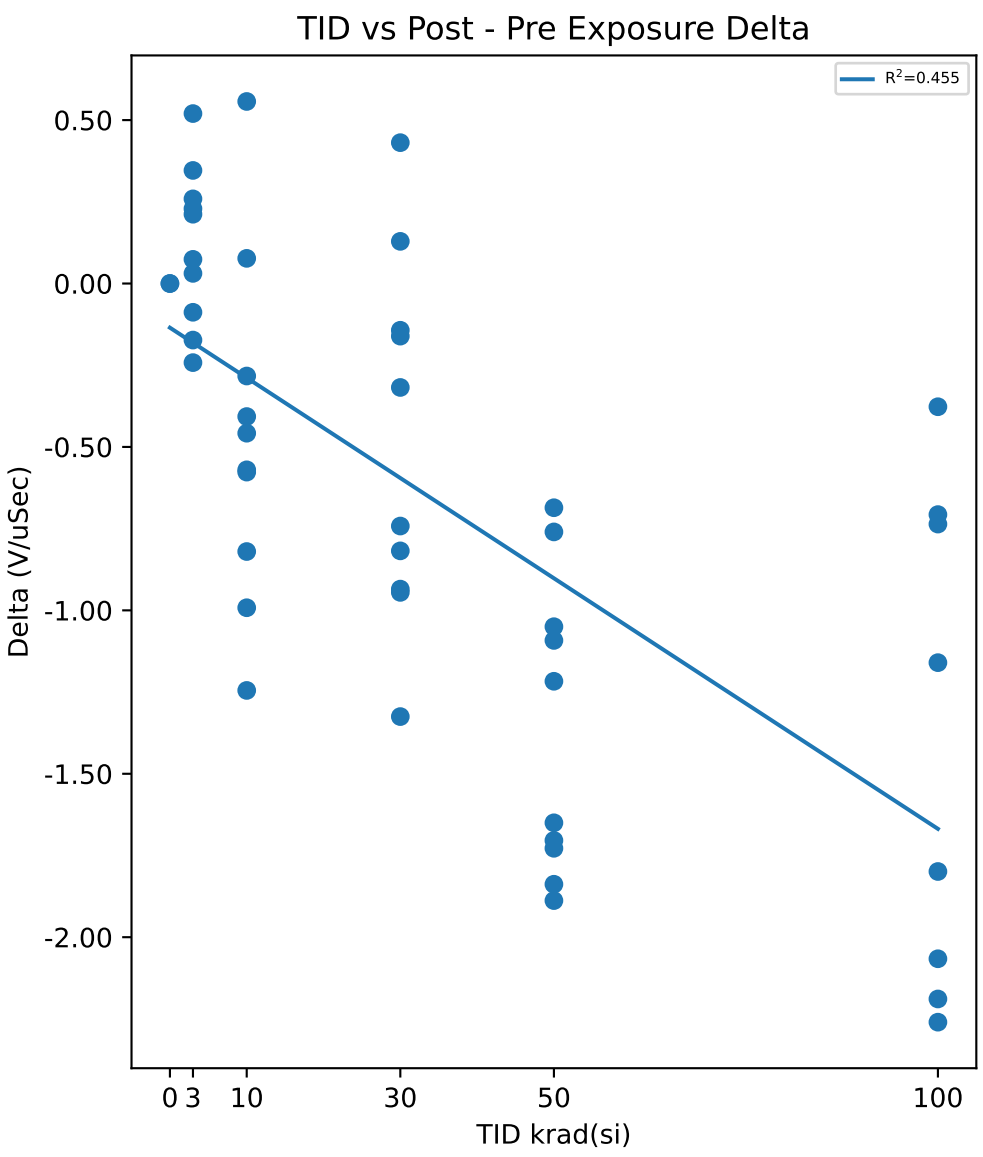
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.218 | 26.971 | 27.724 | 1.0649 | 26.218 | 26.971 | 27.724 | 1.0649 | 0 | 0 | 0 | 0 |
| 3 | 25.866 | 27.032 | 28.108 | 0.73943 | 26.457 | 27.536 | 28.525 | 0.5773 | -0.335 | 0.5041 | 2.659 | 0.87536 |
| 10 | 25.866 | 27.032 | 28.108 | 0.73943 | 25.646 | 26.99 | 27.953 | 0.76973 | -2.012 | -0.0419 | 1.351 | 0.98117 |
| 30 | 25.866 | 27.032 | 28.108 | 0.73943 | 25.428 | 26.559 | 28.819 | 1.0682 | -2.23 | -0.473 | 1.519 | 1.3392 |
| 50 | 25.866 | 27.032 | 28.108 | 0.73943 | 25.077 | 26.262 | 27.438 | 0.94016 | -1.943 | -0.7702 | 0.614 | 0.88717 |
| 100 | 25.736 | 26.284 | 27.179 | 0.48511 | 24.628 | 25.559 | 27.294 | 0.95684 | -2.023 | -0.72412 | 0.942 | 1.095 |

# Device Test: 19.15 tsr_EN4_Rising/EN4/1.6/14/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

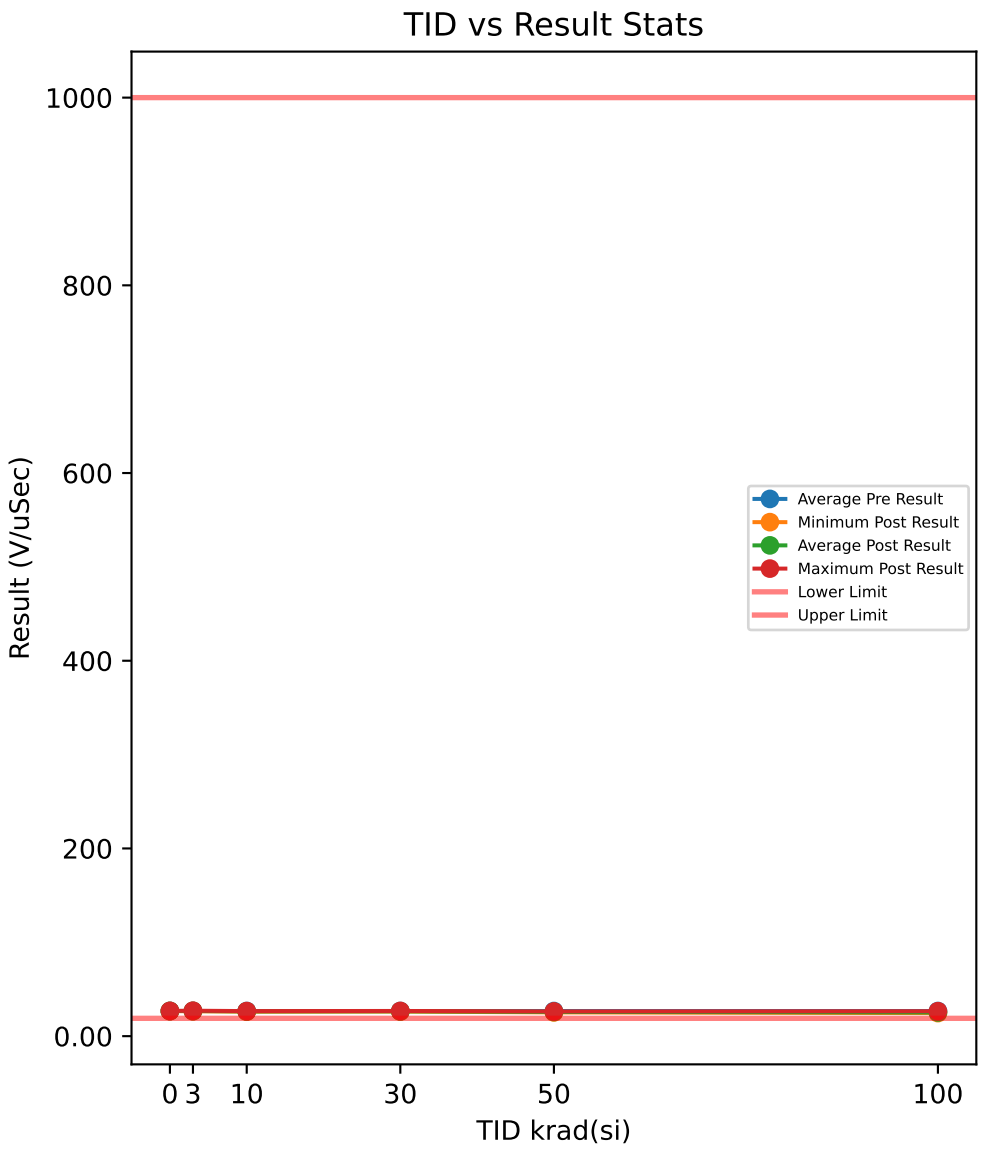
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 27.282 | 27.282 | 0 |
| 7 | 0 | Correlation | 27.385 | 27.385 | 0 |
| 16 | 3 | LDR-Biased | 27.858 | 28.117 | 0.259 |
| 18 | 3 | LDR-Biased | 27.647 | 28.167 | 0.52 |
| 19 | 3 | LDR-Biased | 28.088 | 27.846 | -0.242 |
| 20 | 3 | LDR-Biased | 27.517 | 27.863 | 0.346 |
| 21 | 3 | LDR-Biased | 27.504 | 27.716 | 0.212 |
| 22 | 3 | LDR-Unbiased | 27.811 | 28.04 | 0.229 |
| 23 | 3 | LDR-Unbiased | 27.351 | 27.178 | -0.173 |
| 25 | 3 | LDR-Unbiased | 27.931 | 27.843 | -0.088 |
| 26 | 3 | LDR-Unbiased | 27.699 | 27.773 | 0.074 |
| 27 | 3 | LDR-Unbiased | 27.864 | 27.895 | 0.031 |
| 46 | 10 | LDR-Biased | 27.858 | 27.288 | -0.57 |
| 48 | 10 | LDR-Biased | 27.647 | 27.24 | -0.407 |
| 49 | 10 | LDR-Biased | 28.088 | 27.805 | -0.283 |
| 50 | 10 | LDR-Biased | 27.517 | 27.594 | 0.077 |
| 51 | 10 | LDR-Biased | 27.504 | 27.046 | -0.458 |
| 52 | 10 | LDR-Unbiased | 27.811 | 27.234 | -0.577 |
| 53 | 10 | LDR-Unbiased | 27.351 | 27.908 | 0.557 |
| 55 | 10 | LDR-Unbiased | 27.931 | 26.686 | -1.245 |
| 56 | 10 | LDR-Unbiased | 27.699 | 26.707 | -0.992 |
| 57 | 10 | LDR-Unbiased | 27.864 | 27.044 | -0.82 |
| 76 | 30 | LDR-Biased | 27.858 | 26.923 | -0.935 |
| 78 | 30 | LDR-Biased | 27.647 | 28.078 | 0.431 |
| 79 | 30 | LDR-Biased | 28.088 | 27.143 | -0.945 |
| 80 | 30 | LDR-Biased | 27.517 | 27.356 | -0.161 |
| 81 | 30 | LDR-Biased | 27.504 | 27.361 | -0.143 |
| 82 | 30 | LDR-Unbiased | 27.811 | 27.94 | 0.129 |
| 83 | 30 | LDR-Unbiased | 27.351 | 26.609 | -0.742 |
| 84 | 30 | LDR-Unbiased | 27.864 | 27.046 | -0.818 |
| 85 | 30 | LDR-Unbiased | 27.931 | 26.606 | -1.325 |
| 86 | 30 | LDR-Unbiased | 27.699 | 27.381 | -0.318 |
| 87 | 100 | LDR-Biased | 28.012 | 25.823 | -2.189 |
| 88 | 100 | LDR-Biased | 28.157 | 27.421 | -0.736 |
| 90 | 100 | LDR-Biased | 27.931 | 27.554 | -0.377 |
| 91 | 100 | LDR-Unbiased | 27.429 | 25.63 | -1.799 |
| 93 | 100 | LDR-Unbiased | 27.822 | 25.756 | -2.066 |
| 94 | 100 | LDR-Unbiased | 28.31 | 26.05 | -2.26 |
| 95 | 100 | LDR-Unbiased | 27.99 | 26.83 | -1.16 |
| 96 | 100 | LDR-Unbiased | 27.079 | 26.372 | -0.707 |
| 106 | 50 | LDR-Biased | 27.858 | 27.172 | -0.686 |
| 108 | 50 | LDR-Biased | 27.647 | 25.997 | -1.65 |
| 109 | 50 | LDR-Biased | 28.088 | 26.384 | -1.704 |
| 110 | 50 | LDR-Biased | 27.517 | 26.757 | -0.76 |
| 111 | 50 | LDR-Biased | 27.504 | 26.287 | -1.217 |
| 112 | 50 | LDR-Unbiased | 27.811 | 26.083 | -1.728 |
| 113 | 50 | LDR-Unbiased | 27.351 | 26.301 | -1.05 |
| 115 | 50 | LDR-Unbiased | 27.931 | 26.043 | -1.888 |
| 116 | 50 | LDR-Unbiased | 27.699 | 26.607 | -1.092 |
| 117 | 50 | LDR-Unbiased | 27.864 | 26.026 | -1.838 |

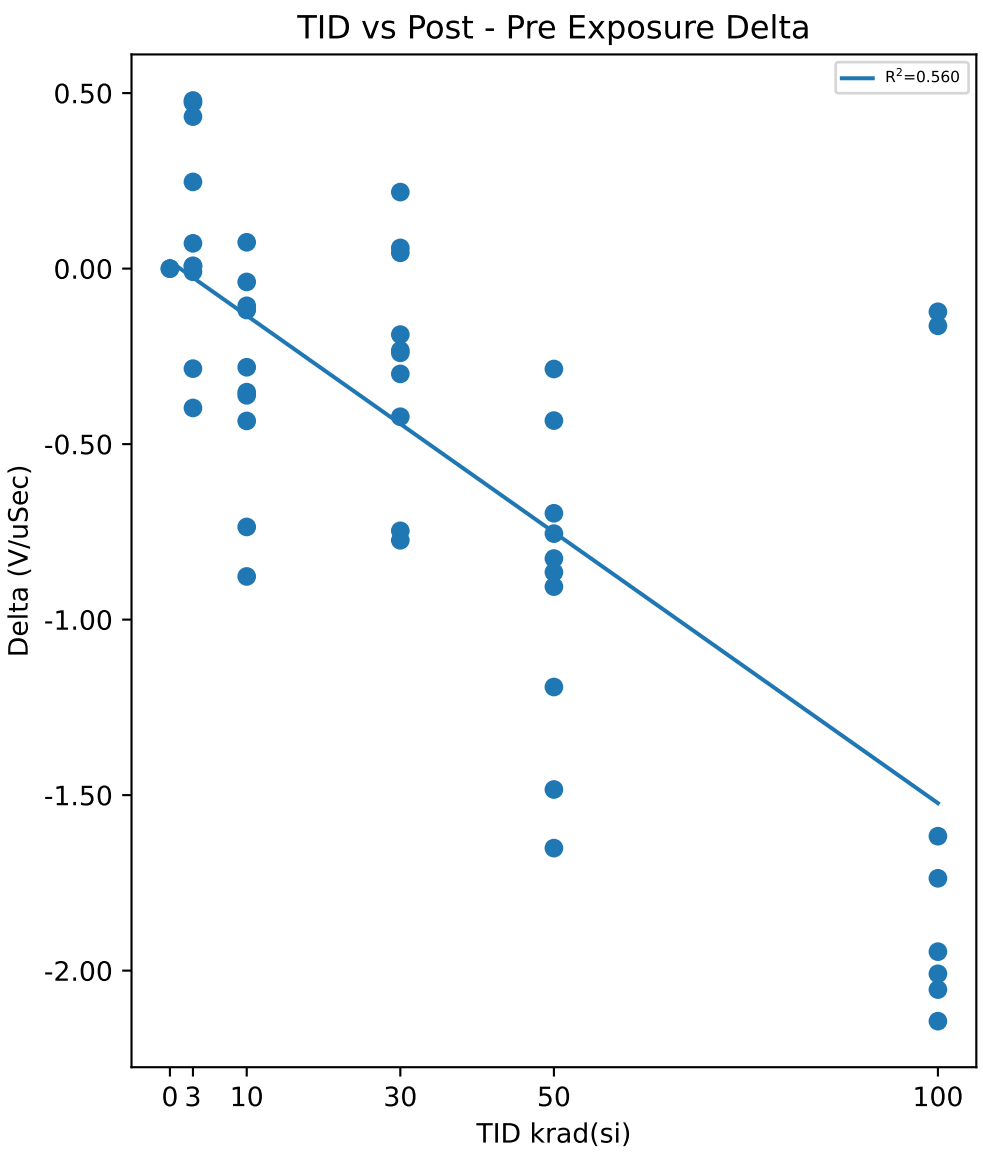



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 27.282 | 27.334 | 27.385 | 0.072832 | 27.282 | 27.334 | 27.385 | 0.072832 | 0 | 0 | 0 | 0 |
| 3 | 27.351 | 27.727 | 28.088 | 0.22542 | 27.178 | 27.844 | 28.167 | 0.27593 | -0.242 | 0.1168 | 0.52 | 0.24056 |
| 10 | 27.351 | 27.727 | 28.088 | 0.22542 | 26.686 | 27.255 | 27.908 | 0.41605 | -1.245 | -0.4718 | 0.557 | 0.51748 |
| 30 | 27.351 | 27.727 | 28.088 | 0.22542 | 26.606 | 27.244 | 28.078 | 0.49303 | -1.325 | -0.4827 | 0.431 | 0.55402 |
| 50 | 27.351 | 27.727 | 28.088 | 0.22542 | 25.997 | 26.366 | 27.172 | 0.38116 | -1.888 | -1.3613 | -0.686 | 0.45311 |
| 100 | 27.079 | 27.841 | 28.31 | 0.4018 | 25.63 | 26.43 | 27.554 | 0.75743 | -2.26 | -1.4118 | -0.377 | 0.75489 |

# Device Test: 19.16 tsr_PWRGD_Rising/PWRGD/1.6/14/0/0/0/@PWRGD_SLEW_RATE_RISE



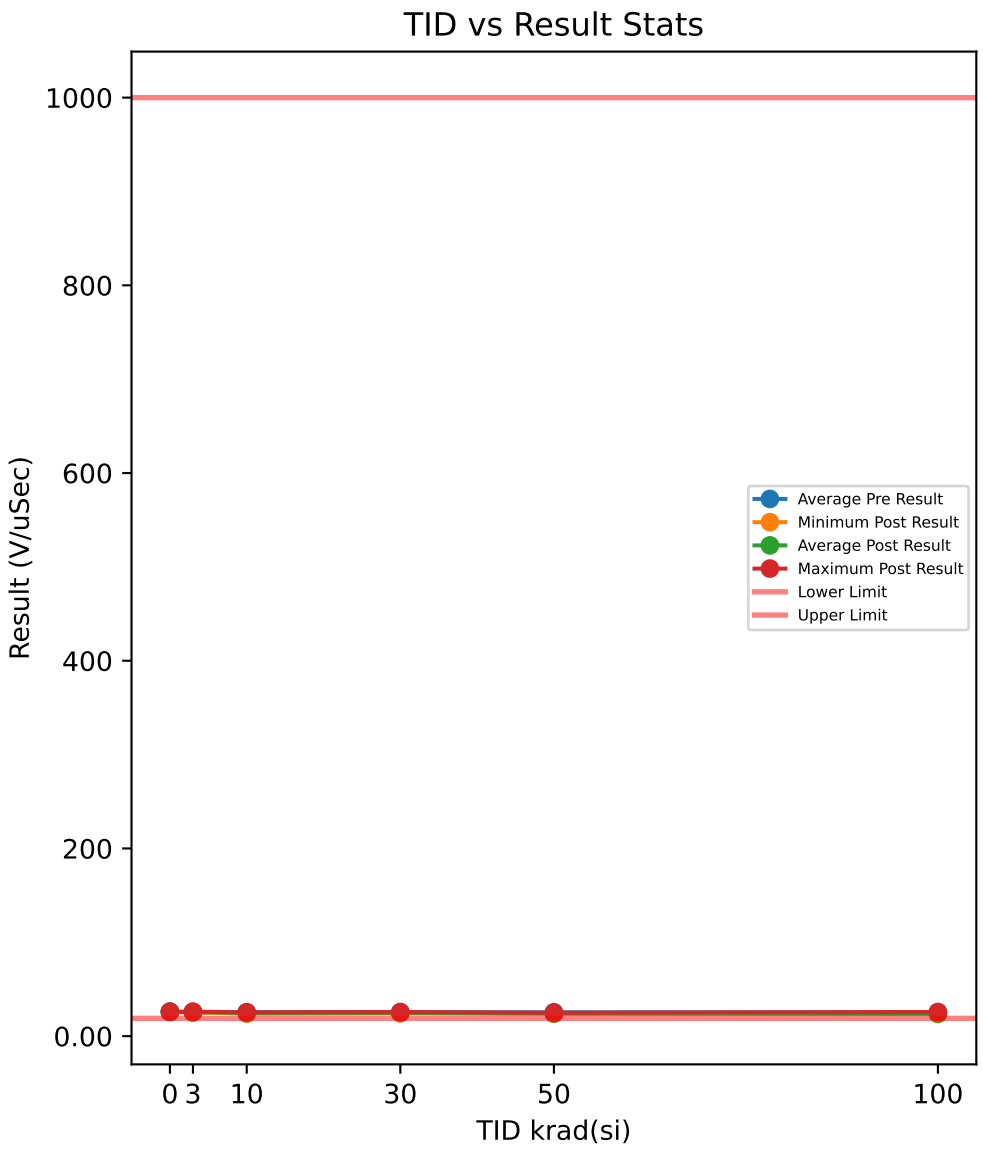

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

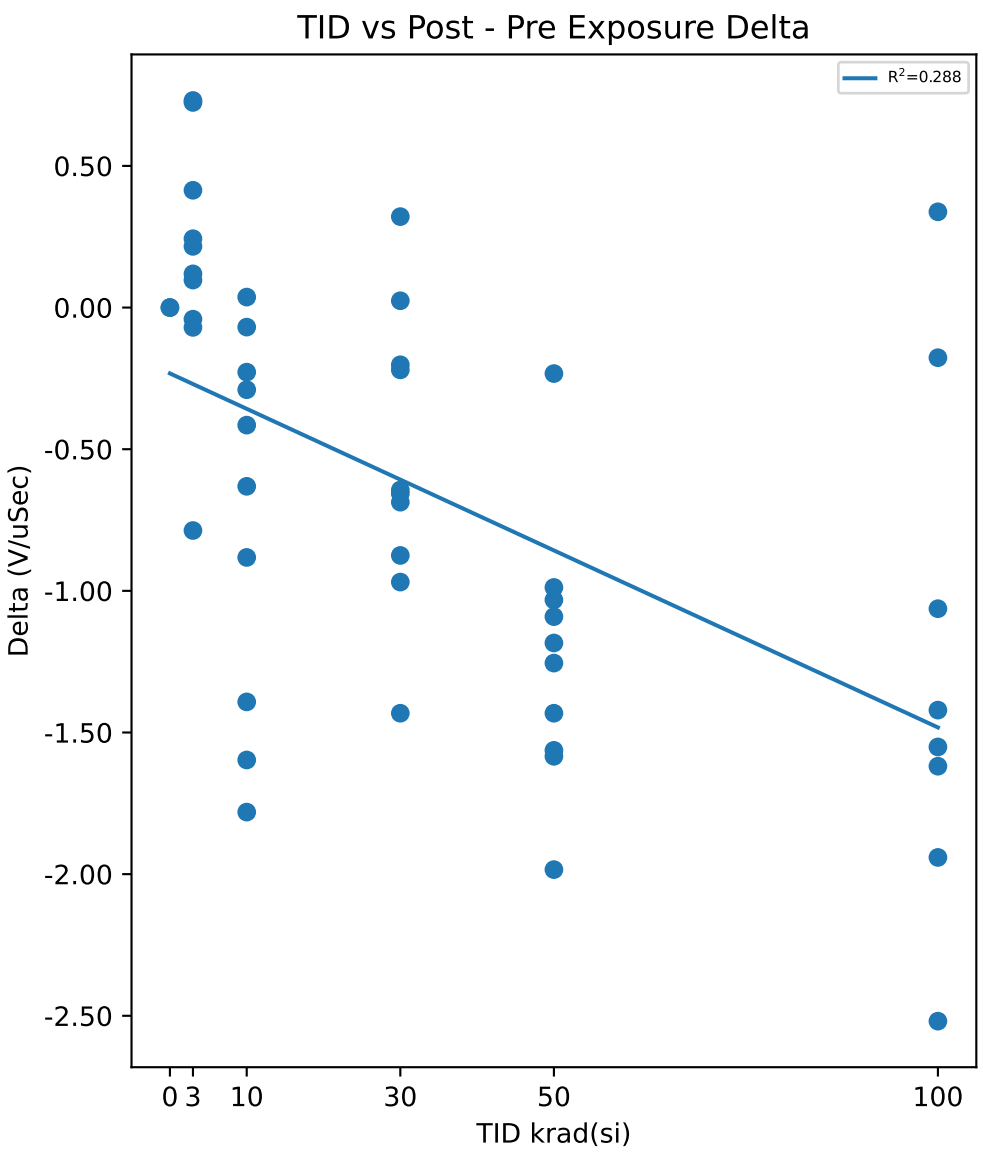
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.67 | 26.67 | 0 |
| 7 | 0 | Correlation | 26.914 | 26.914 | 0 |
| 16 | 3 | LDR-Biased | 26.66 | 26.907 | 0.247 |
| 18 | 3 | LDR-Biased | 26.714 | 26.705 | -0.009 |
| 19 | 3 | LDR-Biased | 26.849 | 26.921 | 0.072 |
| 20 | 3 | LDR-Biased | 26.63 | 27.109 | 0.479 |
| 21 | 3 | LDR-Biased | 26.895 | 26.902 | 0.007 |
| 22 | 3 | LDR-Unbiased | 26.527 | 27 | 0.473 |
| 23 | 3 | LDR-Unbiased | 26.984 | 26.699 | -0.285 |
| 25 | 3 | LDR-Unbiased | 26.934 | 26.537 | -0.397 |
| 26 | 3 | LDR-Unbiased | 26.743 | 26.751 | 0.008 |
| 27 | 3 | LDR-Unbiased | 26.538 | 26.971 | 0.433 |
| 46 | 10 | LDR-Biased | 26.66 | 26.542 | -0.118 |
| 48 | 10 | LDR-Biased | 26.714 | 26.362 | -0.352 |
| 49 | 10 | LDR-Biased | 26.849 | 26.415 | -0.434 |
| 50 | 10 | LDR-Biased | 26.63 | 26.705 | 0.075 |
| 51 | 10 | LDR-Biased | 26.895 | 26.534 | -0.361 |
| 52 | 10 | LDR-Unbiased | 26.527 | 26.489 | -0.038 |
| 53 | 10 | LDR-Unbiased | 26.984 | 26.248 | -0.736 |
| 55 | 10 | LDR-Unbiased | 26.934 | 26.057 | -0.877 |
| 56 | 10 | LDR-Unbiased | 26.743 | 26.462 | -0.281 |
| 57 | 10 | LDR-Unbiased | 26.538 | 26.432 | -0.106 |
| 76 | 30 | LDR-Biased | 26.66 | 26.719 | 0.059 |
| 78 | 30 | LDR-Biased | 26.714 | 26.414 | -0.3 |
| 79 | 30 | LDR-Biased | 26.849 | 26.616 | -0.233 |
| 80 | 30 | LDR-Biased | 26.63 | 26.848 | 0.218 |
| 81 | 30 | LDR-Biased | 26.895 | 26.707 | -0.188 |
| 82 | 30 | LDR-Unbiased | 26.527 | 26.572 | 0.045 |
| 83 | 30 | LDR-Unbiased | 26.984 | 26.21 | -0.774 |
| 84 | 30 | LDR-Unbiased | 26.538 | 26.298 | -0.24 |
| 85 | 30 | LDR-Unbiased | 26.934 | 26.187 | -0.747 |
| 86 | 30 | LDR-Unbiased | 26.743 | 26.321 | -0.422 |
| 87 | 100 | LDR-Biased | 26.94 | 24.796 | -2.144 |
| 88 | 100 | LDR-Biased | 26.659 | 26.536 | -0.123 |
| 90 | 100 | LDR-Biased | 26.733 | 26.57 | -0.163 |
| 91 | 100 | LDR-Unbiased | 26.579 | 24.57 | -2.009 |
| 93 | 100 | LDR-Unbiased | 26.801 | 24.747 | -2.054 |
| 94 | 100 | LDR-Unbiased | 26.64 | 25.023 | -1.617 |
| 95 | 100 | LDR-Unbiased | 26.973 | 25.027 | -1.946 |
| 96 | 100 | LDR-Unbiased | 26.598 | 24.861 | -1.737 |
| 106 | 50 | LDR-Biased | 26.66 | 26.227 | -0.433 |
| 108 | 50 | LDR-Biased | 26.714 | 25.849 | -0.865 |
| 109 | 50 | LDR-Biased | 26.849 | 26.023 | -0.826 |
| 110 | 50 | LDR-Biased | 26.63 | 26.344 | -0.286 |
| 111 | 50 | LDR-Biased | 26.895 | 26.198 | -0.697 |
| 112 | 50 | LDR-Unbiased | 26.527 | 25.772 | -0.755 |
| 113 | 50 | LDR-Unbiased | 26.984 | 25.5 | -1.484 |
| 115 | 50 | LDR-Unbiased | 26.934 | 25.283 | -1.651 |
| 116 | 50 | LDR-Unbiased | 26.743 | 25.551 | -1.192 |
| 117 | 50 | LDR-Unbiased | 26.538 | 25.632 | -0.906 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.67 | 26.792 | 26.914 | 0.17253 | 26.67 | 26.792 | 26.914 | 0.17253 | 0 | 0 | 0 | 0 |
| 3 | 26.527 | 26.747 | 26.984 | 0.16258 | 26.537 | 26.85 | 27.109 | 0.17218 | -0.397 | 0.1028 | 0.479 | 0.30554 |
| 10 | 26.527 | 26.747 | 26.984 | 0.16258 | 26.057 | 26.425 | 26.705 | 0.17648 | -0.877 | -0.3228 | 0.075 | 0.30232 |
| 30 | 26.527 | 26.747 | 26.984 | 0.16258 | 26.187 | 26.489 | 26.848 | 0.23374 | -0.774 | -0.2582 | 0.218 | 0.32639 |
| 50 | 26.527 | 26.747 | 26.984 | 0.16258 | 25.283 | 25.838 | 26.344 | 0.3532 | -1.651 | -0.9095 | -0.286 | 0.42862 |
| 100 | 26.579 | 26.74 | 26.973 | 0.15152 | 24.57 | 25.266 | 26.57 | 0.80784 | -2.144 | -1.4741 | -0.123 | 0.83903 |

# Device Test: 19.17 tsr_SEQ_Rising/SEQ_DONE/1.6/14/0/0/0/@SEQ_DONE_SLEW_RATE_RISE



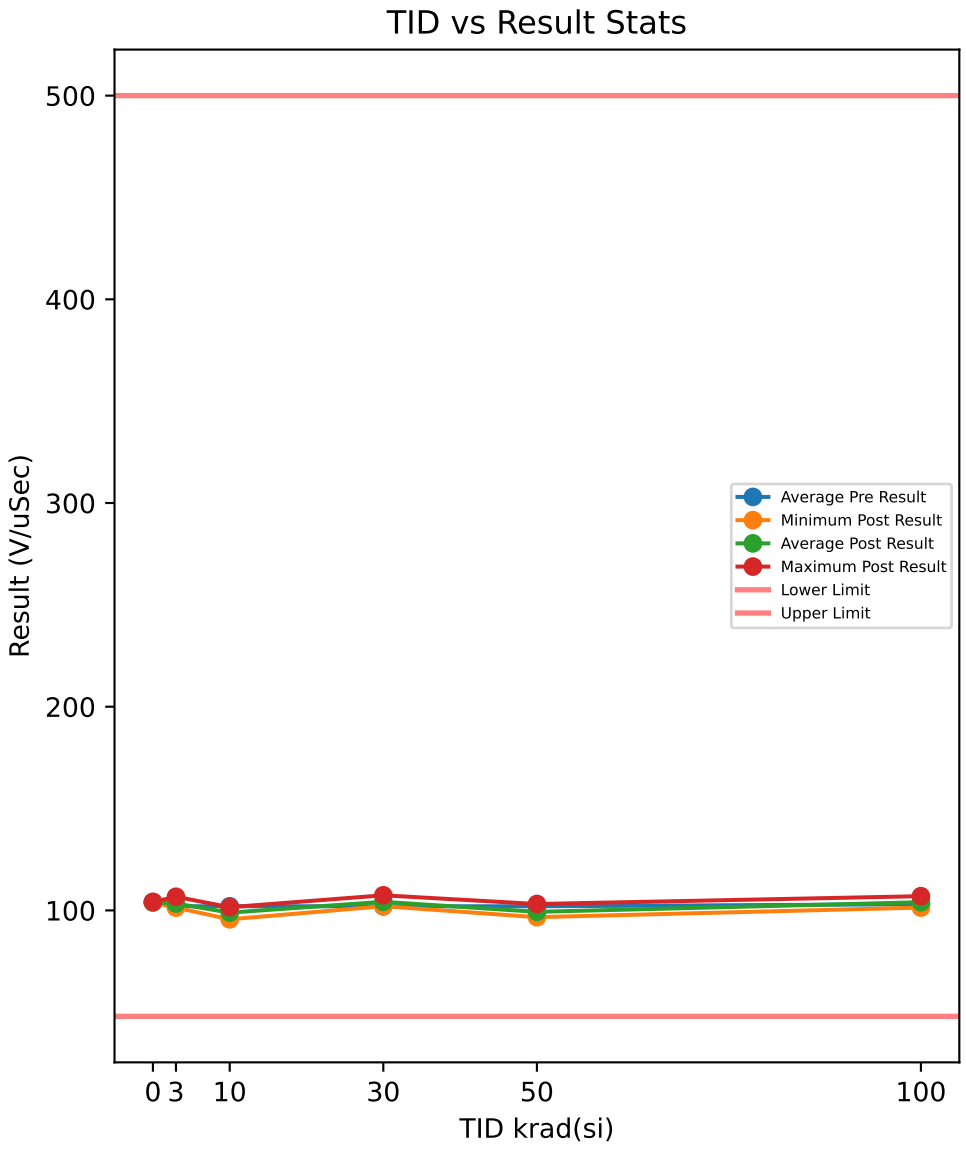

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 25.8 | 25.8 | 0 |
| 7 | 0 | Correlation | 26.094 | 26.094 | 0 |
| 16 | 3 | LDR-Biased | 26.043 | 26.14 | 0.097 |
| 18 | 3 | LDR-Biased | 25.185 | 25.304 | 0.119 |
| 19 | 3 | LDR-Biased | 26.181 | 25.394 | -0.787 |
| 20 | 3 | LDR-Biased | 25.5 | 25.459 | -0.041 |
| 21 | 3 | LDR-Biased | 25.355 | 26.086 | 0.731 |
| 22 | 3 | LDR-Unbiased | 25.286 | 25.216 | -0.07 |
| 23 | 3 | LDR-Unbiased | 25.061 | 25.304 | 0.243 |
| 25 | 3 | LDR-Unbiased | 25.428 | 25.644 | 0.216 |
| 26 | 3 | LDR-Unbiased | 25.051 | 25.465 | 0.414 |
| 27 | 3 | LDR-Unbiased | 25.349 | 26.073 | 0.724 |
| 46 | 10 | LDR-Biased | 26.043 | 24.446 | -1.597 |
| 48 | 10 | LDR-Biased | 25.185 | 24.957 | -0.228 |
| 49 | 10 | LDR-Biased | 26.181 | 24.4 | -1.781 |
| 50 | 10 | LDR-Biased | 25.5 | 25.21 | -0.29 |
| 51 | 10 | LDR-Biased | 25.355 | 25.392 | 0.037 |
| 52 | 10 | LDR-Unbiased | 25.286 | 24.655 | -0.631 |
| 53 | 10 | LDR-Unbiased | 25.061 | 24.992 | -0.069 |
| 55 | 10 | LDR-Unbiased | 25.428 | 24.036 | -1.392 |
| 56 | 10 | LDR-Unbiased | 25.051 | 24.636 | -0.415 |
| 57 | 10 | LDR-Unbiased | 25.349 | 24.467 | -0.882 |
| 76 | 30 | LDR-Biased | 26.043 | 24.611 | -1.432 |
| 78 | 30 | LDR-Biased | 25.185 | 24.965 | -0.22 |
| 79 | 30 | LDR-Biased | 26.181 | 25.306 | -0.875 |
| 80 | 30 | LDR-Biased | 25.5 | 24.856 | -0.644 |
| 81 | 30 | LDR-Biased | 25.355 | 25.676 | 0.321 |
| 82 | 30 | LDR-Unbiased | 25.286 | 24.317 | -0.969 |
| 83 | 30 | LDR-Unbiased | 25.061 | 25.085 | 0.024 |
| 84 | 30 | LDR-Unbiased | 25.349 | 25.147 | -0.202 |
| 85 | 30 | LDR-Unbiased | 25.428 | 24.741 | -0.687 |
| 86 | 30 | LDR-Unbiased | 25.051 | 24.394 | -0.657 |
| 87 | 100 | LDR-Biased | 25.197 | 23.776 | -1.421 |
| 88 | 100 | LDR-Biased | 25.403 | 25.741 | 0.338 |
| 90 | 100 | LDR-Biased | 25.099 | 24.922 | -0.177 |
| 91 | 100 | LDR-Unbiased | 26.095 | 23.576 | -2.519 |
| 93 | 100 | LDR-Unbiased | 25.679 | 23.738 | -1.941 |
| 94 | 100 | LDR-Unbiased | 25.166 | 23.547 | -1.619 |
| 95 | 100 | LDR-Unbiased | 24.914 | 23.851 | -1.063 |
| 96 | 100 | LDR-Unbiased | 25.267 | 23.716 | -1.551 |
| 106 | 50 | LDR-Biased | 26.043 | 24.859 | -1.184 |
| 108 | 50 | LDR-Biased | 25.185 | 24.952 | -0.233 |
| 109 | 50 | LDR-Biased | 26.181 | 24.197 | -1.984 |
| 110 | 50 | LDR-Biased | 25.5 | 23.916 | -1.584 |
| 111 | 50 | LDR-Biased | 25.355 | 23.923 | -1.432 |
| 112 | 50 | LDR-Unbiased | 25.286 | 24.031 | -1.255 |
| 113 | 50 | LDR-Unbiased | 25.061 | 24.073 | -0.988 |
| 115 | 50 | LDR-Unbiased | 25.428 | 23.865 | -1.563 |
| 116 | 50 | LDR-Unbiased | 25.051 | 23.96 | -1.091 |
| 117 | 50 | LDR-Unbiased | 25.349 | 24.317 | -1.032 |

Test Statistics (V/uSec)

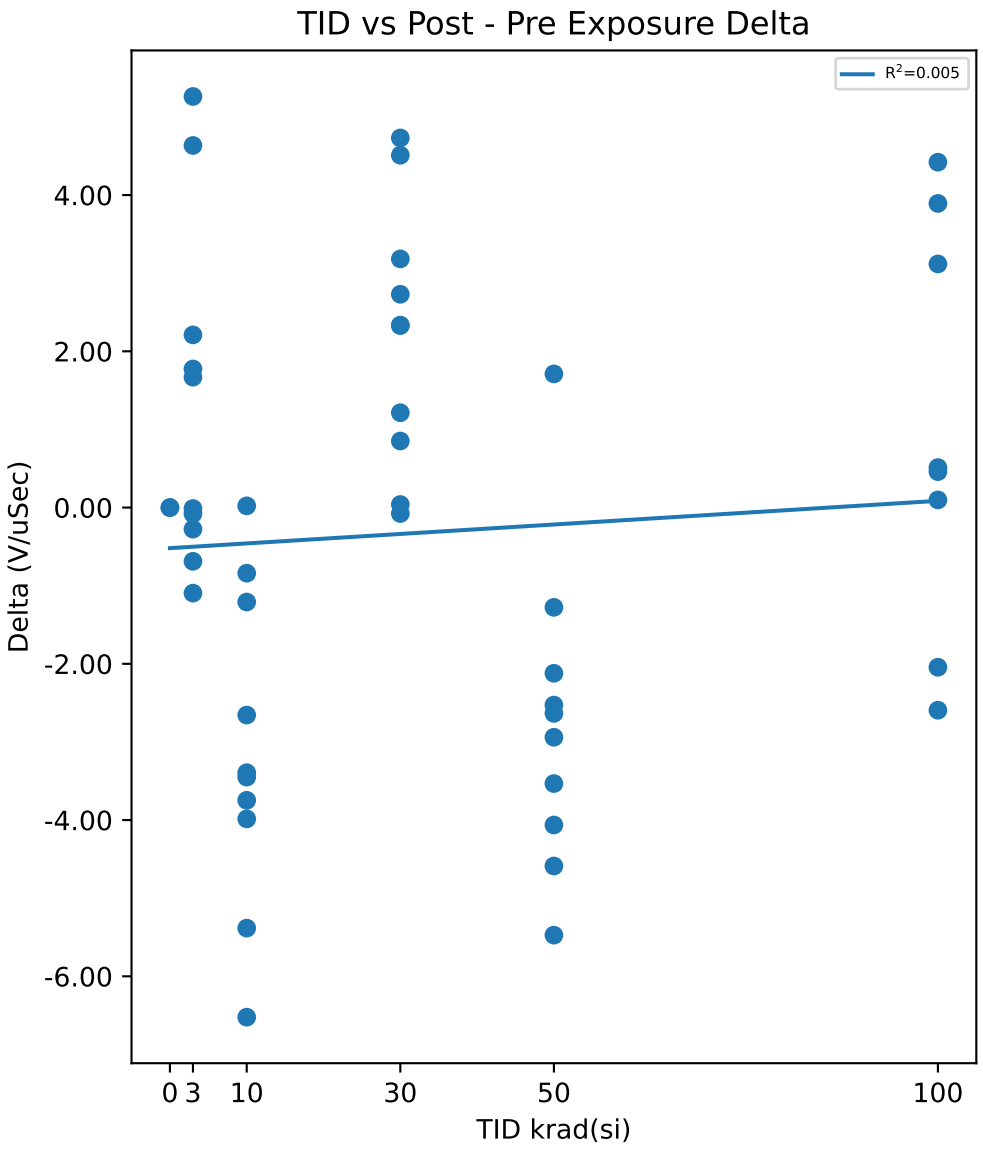
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 25.8 | 25.947 | 26.094 | 0.20789 | 25.8 | 25.947 | 26.094 | 0.20789 | 0 | 0 | 0 | 0 |
| 3 | 25.051 | 25.444 | 26.181 | 0.38232 | 25.216 | 25.608 | 26.14 | 0.35839 | -0.787 | 0.1646 | 0.731 | 0.43643 |
| 10 | 25.051 | 25.444 | 26.181 | 0.38232 | 24.036 | 24.719 | 25.392 | 0.41398 | -1.781 | -0.7248 | 0.037 | 0.65804 |
| 30 | 25.051 | 25.444 | 26.181 | 0.38232 | 24.317 | 24.91 | 25.676 | 0.41795 | -1.432 | -0.5341 | 0.321 | 0.51788 |
| 50 | 25.051 | 25.444 | 26.181 | 0.38232 | 23.865 | 24.209 | 24.952 | 0.39222 | -1.984 | -1.2346 | -0.233 | 0.46657 |
| 100 | 24.914 | 25.352 | 26.095 | 0.37479 | 23.547 | 24.108 | 25.741 | 0.79227 | -2.519 | -1.2441 | 0.338 | 0.92979 |

# Device Test: 19.18 tsr_EN1_Falling/EN1/1.6/14/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

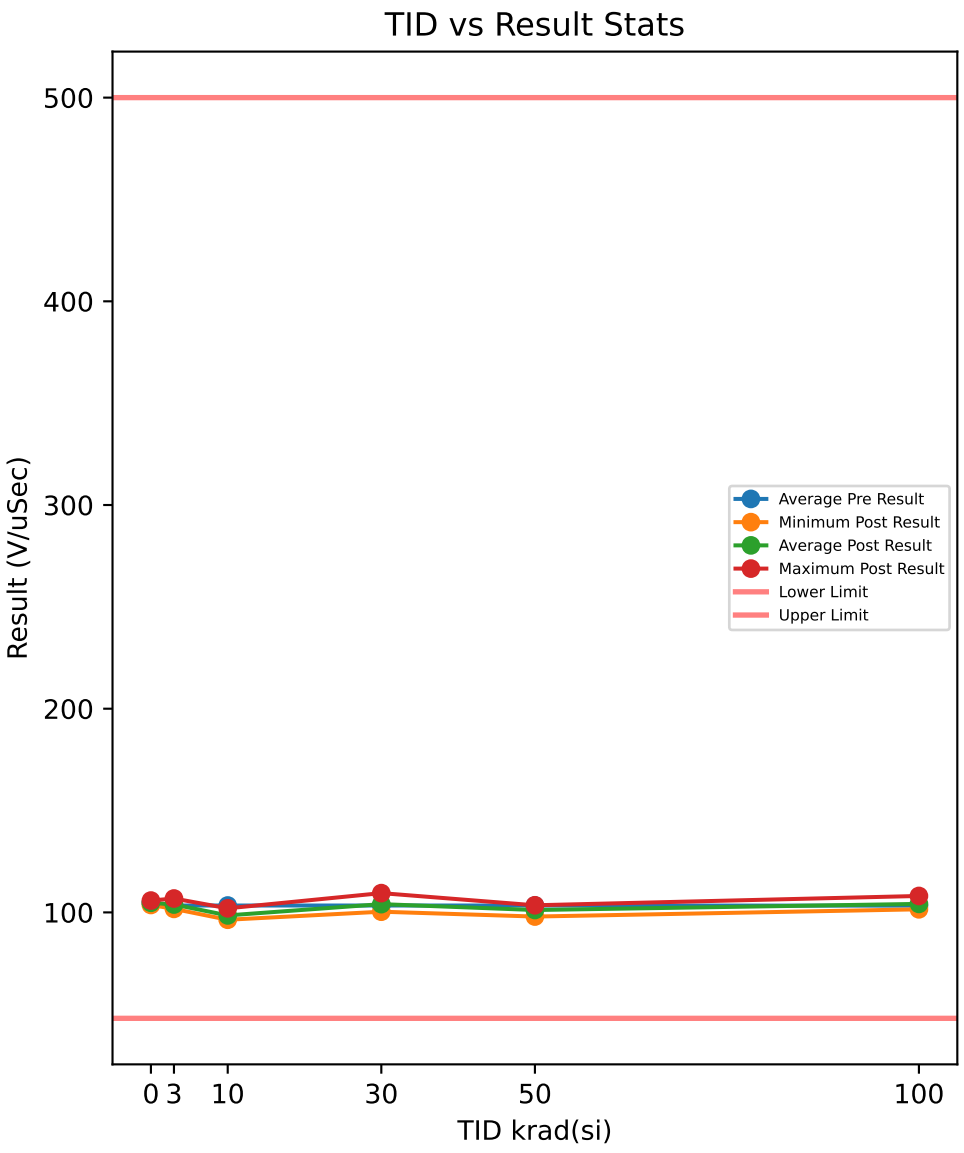
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 104.19 | 104.19 | 0 |
| 7 | 0 | Correlation | 103.82 | 103.82 | 0 |
| 16 | 3 | LDR-Biased | 104.23 | 103.14 | -1.095 |
| 18 | 3 | LDR-Biased | 101.44 | 103.66 | 2.21 |
| 19 | 3 | LDR-Biased | 101.22 | 102.89 | 1.669 |
| 20 | 3 | LDR-Biased | 102.26 | 104.03 | 1.774 |
| 21 | 3 | LDR-Biased | 102.15 | 102.07 | -0.08 |
| 22 | 3 | LDR-Unbiased | 102.48 | 102.46 | -0.012 |
| 23 | 3 | LDR-Unbiased | 102.86 | 102.17 | -0.688 |
| 25 | 3 | LDR-Unbiased | 101.43 | 106.69 | 5.262 |
| 26 | 3 | LDR-Unbiased | 100.63 | 105.27 | 4.635 |
| 27 | 3 | LDR-Unbiased | 101.64 | 101.37 | -0.276 |
| 46 | 10 | LDR-Biased | 104.23 | 101.58 | -2.656 |
| 48 | 10 | LDR-Biased | 101.44 | 101.47 | 0.022 |
| 49 | 10 | LDR-Biased | 101.22 | 100.01 | -1.209 |
| 50 | 10 | LDR-Biased | 102.26 | 96.874 | -5.383 |
| 51 | 10 | LDR-Biased | 102.15 | 95.625 | -6.523 |
| 52 | 10 | LDR-Unbiased | 102.48 | 98.491 | -3.985 |
| 53 | 10 | LDR-Unbiased | 102.86 | 99.463 | -3.394 |
| 55 | 10 | LDR-Unbiased | 101.43 | 100.59 | -0.84 |
| 56 | 10 | LDR-Unbiased | 100.63 | 97.181 | -3.45 |
| 57 | 10 | LDR-Unbiased | 101.64 | 97.898 | -3.747 |
| 76 | 30 | LDR-Biased | 104.23 | 107.41 | 3.183 |
| 78 | 30 | LDR-Biased | 101.44 | 106.18 | 4.731 |
| 79 | 30 | LDR-Biased | 101.22 | 102.07 | 0.852 |
| 80 | 30 | LDR-Biased | 102.26 | 103.47 | 1.214 |
| 81 | 30 | LDR-Biased | 102.15 | 102.07 | -0.076 |
| 82 | 30 | LDR-Unbiased | 102.48 | 102.52 | 0.039 |
| 83 | 30 | LDR-Unbiased | 102.86 | 105.59 | 2.73 |
| 84 | 30 | LDR-Unbiased | 101.64 | 103.98 | 2.335 |
| 85 | 30 | LDR-Unbiased | 101.43 | 103.76 | 2.33 |
| 86 | 30 | LDR-Unbiased | 100.63 | 105.14 | 4.51 |
| 87 | 100 | LDR-Biased | 103 | 103.51 | 0.512 |
| 88 | 100 | LDR-Biased | 104.33 | 101.74 | -2.594 |
| 90 | 100 | LDR-Biased | 103.43 | 101.39 | -2.044 |
| 91 | 100 | LDR-Unbiased | 102.39 | 106.28 | 3.893 |
| 93 | 100 | LDR-Unbiased | 102.56 | 106.99 | 4.421 |
| 94 | 100 | LDR-Unbiased | 101.9 | 102 | 0.098 |
| 95 | 100 | LDR-Unbiased | 102.32 | 105.44 | 3.118 |
| 96 | 100 | LDR-Unbiased | 104.31 | 104.77 | 0.46 |
| 106 | 50 | LDR-Biased | 104.23 | 100.7 | -3.533 |
| 108 | 50 | LDR-Biased | 101.44 | 98.917 | -2.528 |
| 109 | 50 | LDR-Biased | 101.22 | 99.097 | -2.121 |
| 110 | 50 | LDR-Biased | 102.26 | 99.317 | -2.94 |
| 111 | 50 | LDR-Biased | 102.15 | 96.675 | -5.473 |
| 112 | 50 | LDR-Unbiased | 102.48 | 98.413 | -4.063 |
| 113 | 50 | LDR-Unbiased | 102.86 | 98.269 | -4.588 |
| 115 | 50 | LDR-Unbiased | 101.43 | 103.14 | 1.711 |
| 116 | 50 | LDR-Unbiased | 100.63 | 99.354 | -1.277 |
| 117 | 50 | LDR-Unbiased | 101.64 | 99.011 | -2.634 |

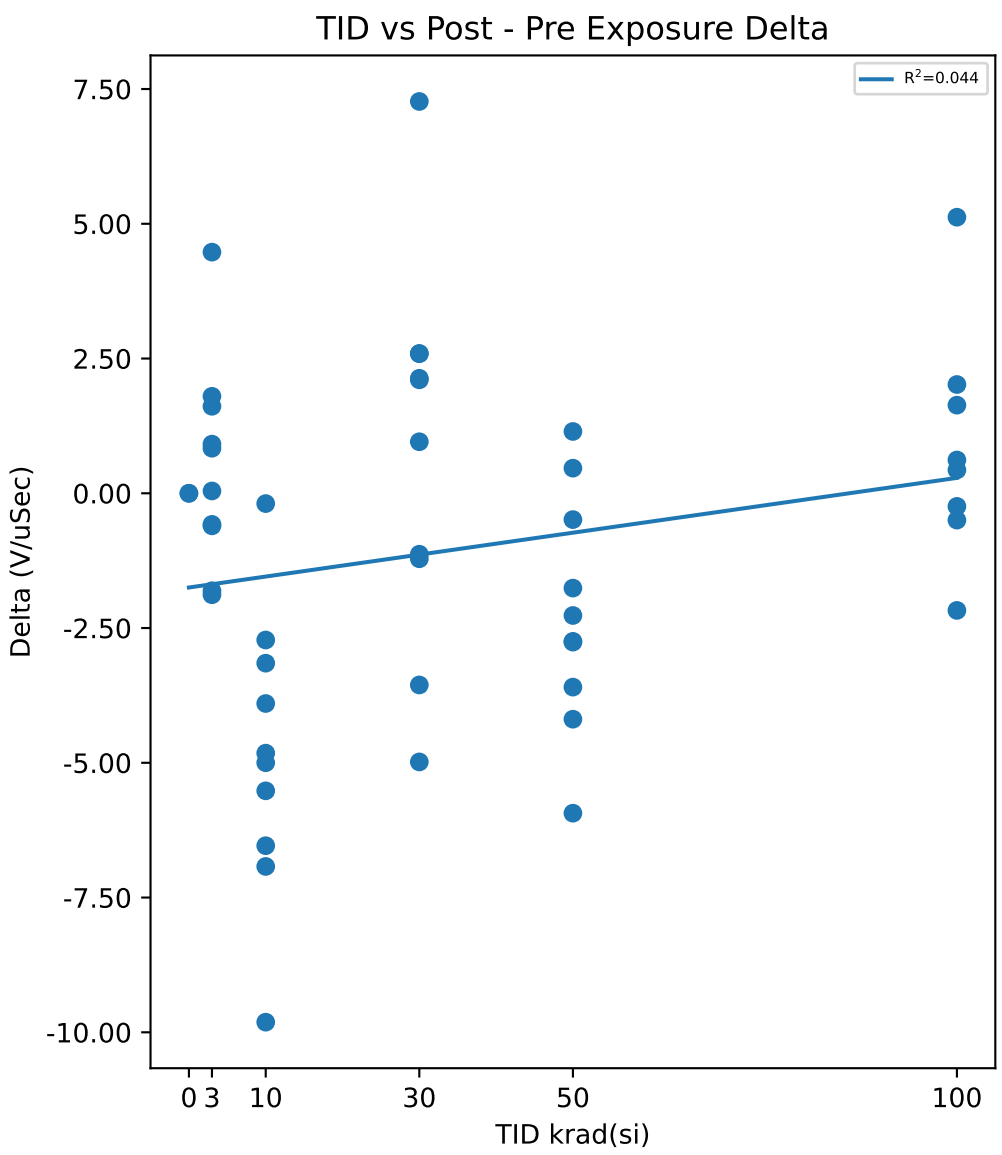



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 103.82 | 104.01 | 104.19 | 0.25809 | 103.82 | 104.01 | 104.19 | 0.25809 | 0 | 0 | 0 | 0 |
| 3 | 100.63 | 102.03 | 104.23 | 1.0146 | 101.37 | 103.37 | 106.69 | 1.6115 | -1.095 | 1.3399 | 5.262 | 2.2058 |
| 10 | 100.63 | 102.03 | 104.23 | 1.0146 | 95.625 | 98.917 | 101.58 | 2.03 | -6.523 | -3.1165 | 0.022 | 2.0266 |
| 30 | 100.63 | 102.03 | 104.23 | 1.0146 | 102.07 | 104.22 | 107.41 | 1.8173 | -0.076 | 2.1848 | 4.731 | 1.6886 |
| 50 | 100.63 | 102.03 | 104.23 | 1.0146 | 96.675 | 99.289 | 103.14 | 1.6895 | -5.473 | -2.7446 | 1.711 | 1.9915 |
| 100 | 101.9 | 103.03 | 104.33 | 0.91624 | 101.39 | 104.01 | 106.99 | 2.1708 | -2.594 | 0.983 | 4.421 | 2.6209 |

# Device Test: 19.19 tsr_EN2_Falling/EN2/1.6/14/0/0/0/@EN_SLEW_RATE_FALL



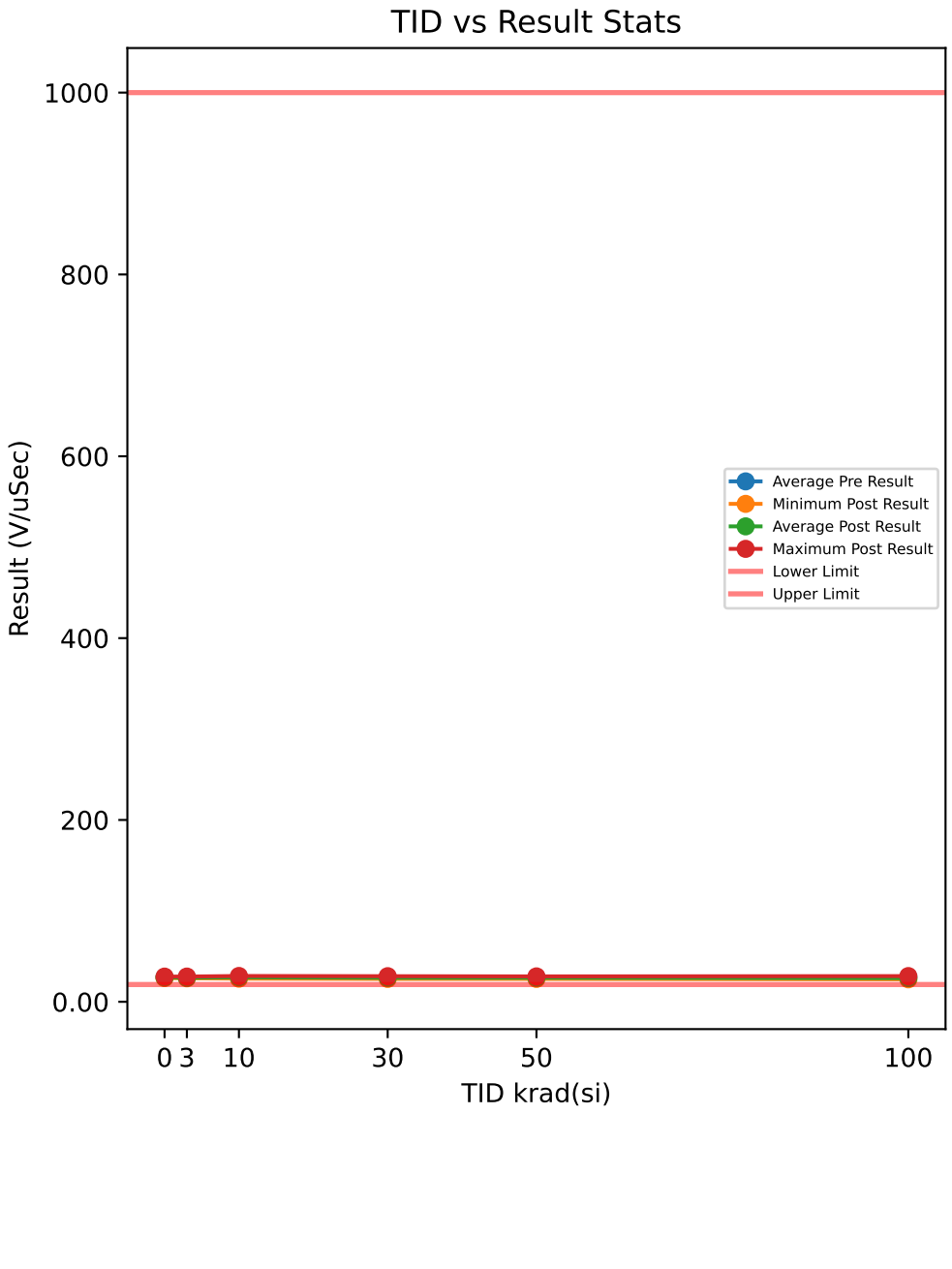

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 103.65 | 103.65 | 0 |
| 7 | 0 | Correlation | 105.82 | 105.82 | 0 |
| 16 | 3 | LDR-Biased | 104.13 | 104.96 | 0.836 |
| 18 | 3 | LDR-Biased | 102.2 | 104 | 1.799 |
| 19 | 3 | LDR-Biased | 106.2 | 104.39 | -1.808 |
| 20 | 3 | LDR-Biased | 102.17 | 102.22 | 0.043 |
| 21 | 3 | LDR-Biased | 102.33 | 101.72 | -0.604 |
| 22 | 3 | LDR-Unbiased | 103.96 | 103.39 | -0.577 |
| 23 | 3 | LDR-Unbiased | 102.93 | 104.55 | 1.614 |
| 25 | 3 | LDR-Unbiased | 103.67 | 104.58 | 0.912 |
| 26 | 3 | LDR-Unbiased | 102.35 | 106.82 | 4.474 |
| 27 | 3 | LDR-Unbiased | 103.9 | 102.02 | -1.882 |
| 46 | 10 | LDR-Biased | 104.13 | 99.305 | -4.821 |
| 48 | 10 | LDR-Biased | 102.2 | 102.01 | -0.191 |
| 49 | 10 | LDR-Biased | 106.2 | 96.391 | -9.812 |
| 50 | 10 | LDR-Biased | 102.17 | 99.021 | -3.152 |
| 51 | 10 | LDR-Biased | 102.33 | 99.604 | -2.722 |
| 52 | 10 | LDR-Unbiased | 103.96 | 97.425 | -6.538 |
| 53 | 10 | LDR-Unbiased | 102.93 | 97.414 | -5.52 |
| 55 | 10 | LDR-Unbiased | 103.67 | 99.768 | -3.9 |
| 56 | 10 | LDR-Unbiased | 102.35 | 97.349 | -4.999 |
| 57 | 10 | LDR-Unbiased | 103.9 | 96.976 | -6.923 |
| 76 | 30 | LDR-Biased | 104.13 | 105.08 | 0.956 |
| 78 | 30 | LDR-Biased | 102.2 | 109.47 | 7.269 |
| 79 | 30 | LDR-Biased | 106.2 | 101.22 | -4.984 |
| 80 | 30 | LDR-Biased | 102.17 | 101.04 | -1.13 |
| 81 | 30 | LDR-Biased | 102.33 | 104.43 | 2.105 |
| 82 | 30 | LDR-Unbiased | 103.96 | 102.75 | -1.215 |
| 83 | 30 | LDR-Unbiased | 102.93 | 105.53 | 2.592 |
| 84 | 30 | LDR-Unbiased | 103.9 | 100.34 | -3.556 |
| 85 | 30 | LDR-Unbiased | 103.67 | 105.8 | 2.134 |
| 86 | 30 | LDR-Unbiased | 102.35 | 104.94 | 2.591 |
| 87 | 100 | LDR-Biased | 105.12 | 104.63 | -0.498 |
| 88 | 100 | LDR-Biased | 103.22 | 102.98 | -0.243 |
| 90 | 100 | LDR-Biased | 101.08 | 101.51 | 0.433 |
| 91 | 100 | LDR-Unbiased | 104.77 | 106.41 | 1.635 |
| 93 | 100 | LDR-Unbiased | 102.95 | 108.07 | 5.122 |
| 94 | 100 | LDR-Unbiased | 103.92 | 101.75 | -2.173 |
| 95 | 100 | LDR-Unbiased | 103.15 | 103.77 | 0.618 |
| 96 | 100 | LDR-Unbiased | 102.3 | 104.32 | 2.018 |
| 106 | 50 | LDR-Biased | 104.13 | 101.36 | -2.761 |
| 108 | 50 | LDR-Biased | 102.2 | 101.71 | -0.488 |
| 109 | 50 | LDR-Biased | 106.2 | 102.01 | -4.191 |
| 110 | 50 | LDR-Biased | 102.17 | 100.41 | -1.759 |
| 111 | 50 | LDR-Biased | 102.33 | 99.579 | -2.747 |
| 112 | 50 | LDR-Unbiased | 103.96 | 100.37 | -3.596 |
| 113 | 50 | LDR-Unbiased | 102.93 | 103.4 | 0.466 |
| 115 | 50 | LDR-Unbiased | 103.67 | 101.4 | -2.267 |
| 116 | 50 | LDR-Unbiased | 102.35 | 103.5 | 1.147 |
| 117 | 50 | LDR-Unbiased | 103.9 | 97.964 | -5.935 |

Test Statistics (V/uSec)

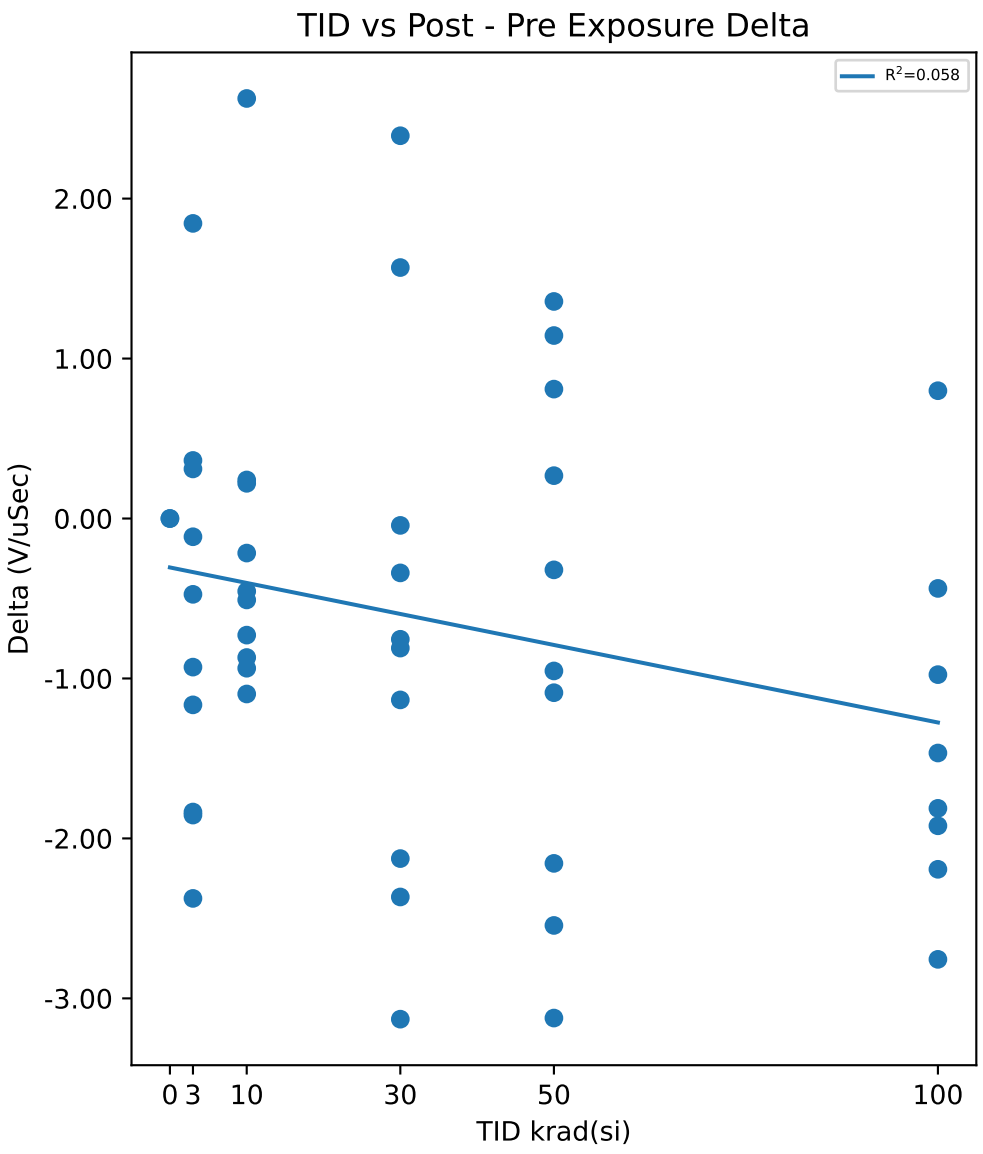
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 103.65 | 104.73 | 105.82 | 1.5302 | 103.65 | 104.73 | 105.82 | 1.5302 | 0 | 0 | 0 | 0 |
| 3 | 102.17 | 103.38 | 106.2 | 1.2671 | 101.72 | 103.86 | 106.82 | 1.5698 | -1.882 | 0.4807 | 4.474 | 1.9029 |
| 10 | 102.17 | 103.38 | 106.2 | 1.2671 | 96.391 | 98.526 | 102.01 | 1.7147 | -9.812 | -4.8578 | -0.191 | 2.6302 |
| 30 | 102.17 | 103.38 | 106.2 | 1.2671 | 100.34 | 104.06 | 109.47 | 2.7704 | -4.984 | 0.6762 | 7.269 | 3.5251 |
| 50 | 102.17 | 103.38 | 106.2 | 1.2671 | 97.964 | 101.17 | 103.5 | 1.6831 | -5.935 | -2.2131 | 1.147 | 2.1581 |
| 100 | 101.08 | 103.31 | 105.12 | 1.3072 | 101.51 | 104.18 | 108.07 | 2.2334 | -2.173 | 0.864 | 5.122 | 2.1583 |

# Device Test: 19.2 tsr_EN3_Rising/EN3/1.6/3/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

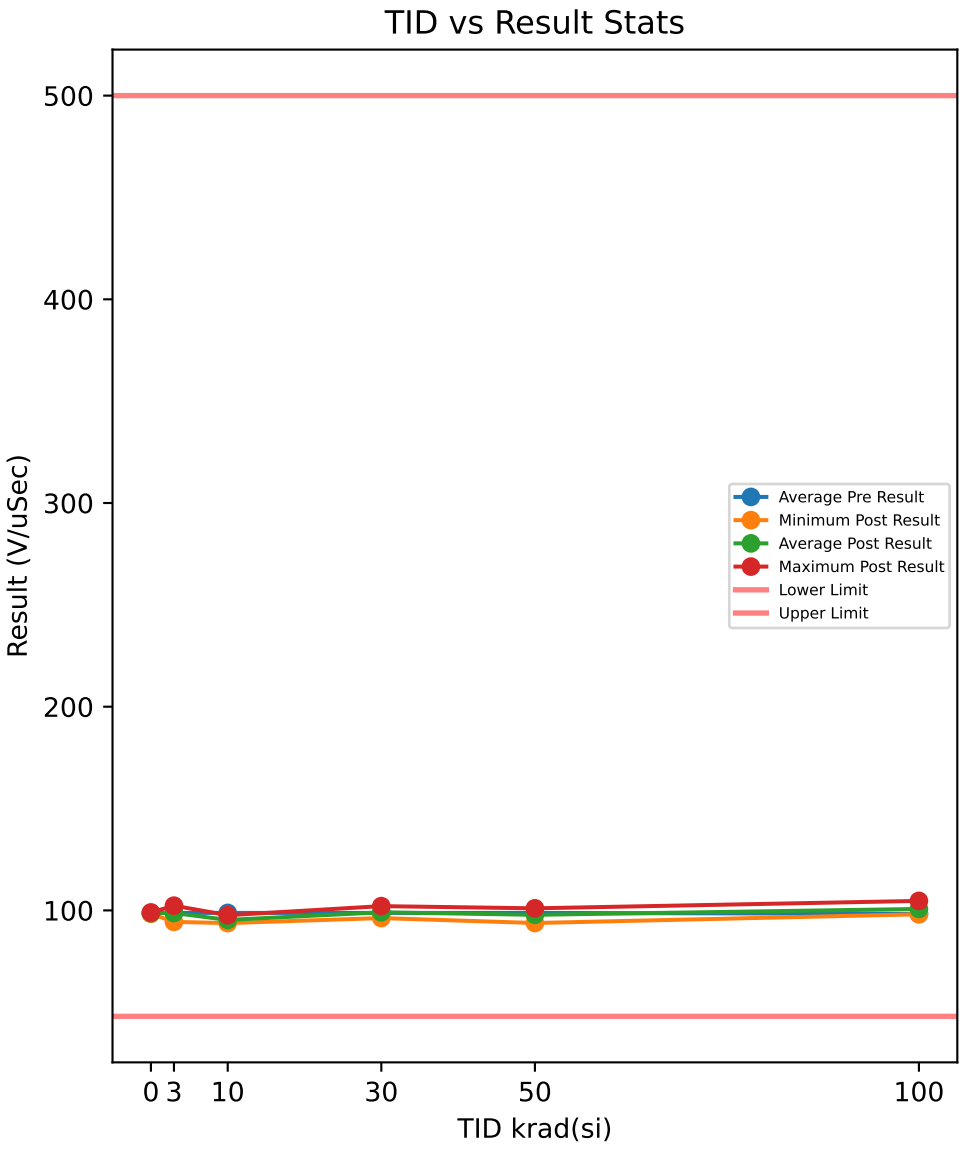
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.086 | 26.086 | 0 |
| 7 | 0 | Correlation | 27.707 | 27.707 | 0 |
| 16 | 3 | LDR-Biased | 26.907 | 26.793 | -0.114 |
| 18 | 3 | LDR-Biased | 27.992 | 27.063 | -0.929 |
| 19 | 3 | LDR-Biased | 27.918 | 26.083 | -1.835 |
| 20 | 3 | LDR-Biased | 25.889 | 27.734 | 1.845 |
| 21 | 3 | LDR-Biased | 26.572 | 26.935 | 0.363 |
| 22 | 3 | LDR-Unbiased | 27.815 | 25.961 | -1.854 |
| 23 | 3 | LDR-Unbiased | 28.3 | 25.925 | -2.375 |
| 25 | 3 | LDR-Unbiased | 26.322 | 25.848 | -0.474 |
| 26 | 3 | LDR-Unbiased | 27.48 | 26.315 | -1.165 |
| 27 | 3 | LDR-Unbiased | 25.768 | 26.078 | 0.31 |
| 46 | 10 | LDR-Biased | 26.907 | 26.398 | -0.509 |
| 48 | 10 | LDR-Biased | 27.992 | 28.233 | 0.241 |
| 49 | 10 | LDR-Biased | 27.918 | 27.189 | -0.729 |
| 50 | 10 | LDR-Biased | 25.889 | 25.673 | -0.216 |
| 51 | 10 | LDR-Biased | 26.572 | 26.117 | -0.455 |
| 52 | 10 | LDR-Unbiased | 27.815 | 28.035 | 0.22 |
| 53 | 10 | LDR-Unbiased | 28.3 | 27.203 | -1.097 |
| 55 | 10 | LDR-Unbiased | 26.322 | 25.453 | -0.869 |
| 56 | 10 | LDR-Unbiased | 27.48 | 26.544 | -0.936 |
| 57 | 10 | LDR-Unbiased | 25.768 | 28.394 | 2.626 |
| 76 | 30 | LDR-Biased | 26.907 | 26.864 | -0.043 |
| 78 | 30 | LDR-Biased | 27.992 | 25.626 | -2.366 |
| 79 | 30 | LDR-Biased | 27.918 | 26.784 | -1.134 |
| 80 | 30 | LDR-Biased | 25.889 | 27.458 | 1.569 |
| 81 | 30 | LDR-Biased | 26.572 | 25.817 | -0.755 |
| 82 | 30 | LDR-Unbiased | 27.815 | 25.689 | -2.126 |
| 83 | 30 | LDR-Unbiased | 28.3 | 25.17 | -3.13 |
| 84 | 30 | LDR-Unbiased | 25.768 | 28.161 | 2.393 |
| 85 | 30 | LDR-Unbiased | 26.322 | 25.512 | -0.81 |
| 86 | 30 | LDR-Unbiased | 27.48 | 27.14 | -0.34 |
| 87 | 100 | LDR-Biased | 26.888 | 25.912 | -0.976 |
| 88 | 100 | LDR-Biased | 27.309 | 26.872 | -0.437 |
| 90 | 100 | LDR-Biased | 27.47 | 28.269 | 0.799 |
| 91 | 100 | LDR-Unbiased | 27.283 | 25.471 | -1.812 |
| 93 | 100 | LDR-Unbiased | 27.675 | 26.209 | -1.466 |
| 94 | 100 | LDR-Unbiased | 27.207 | 25.014 | -2.193 |
| 95 | 100 | LDR-Unbiased | 27.632 | 25.711 | -1.921 |
| 96 | 100 | LDR-Unbiased | 27.504 | 24.748 | -2.756 |
| 106 | 50 | LDR-Biased | 26.907 | 27.716 | 0.809 |
| 108 | 50 | LDR-Biased | 27.992 | 25.448 | -2.544 |
| 109 | 50 | LDR-Biased | 27.918 | 26.965 | -0.953 |
| 110 | 50 | LDR-Biased | 25.889 | 25.568 | -0.321 |
| 111 | 50 | LDR-Biased | 26.572 | 27.929 | 1.357 |
| 112 | 50 | LDR-Unbiased | 27.815 | 25.659 | -2.156 |
| 113 | 50 | LDR-Unbiased | 28.3 | 25.177 | -3.123 |
| 115 | 50 | LDR-Unbiased | 26.322 | 26.59 | 0.268 |
| 116 | 50 | LDR-Unbiased | 27.48 | 26.391 | -1.089 |
| 117 | 50 | LDR-Unbiased | 25.768 | 26.912 | 1.144 |




Test Statistics (V/uSec)

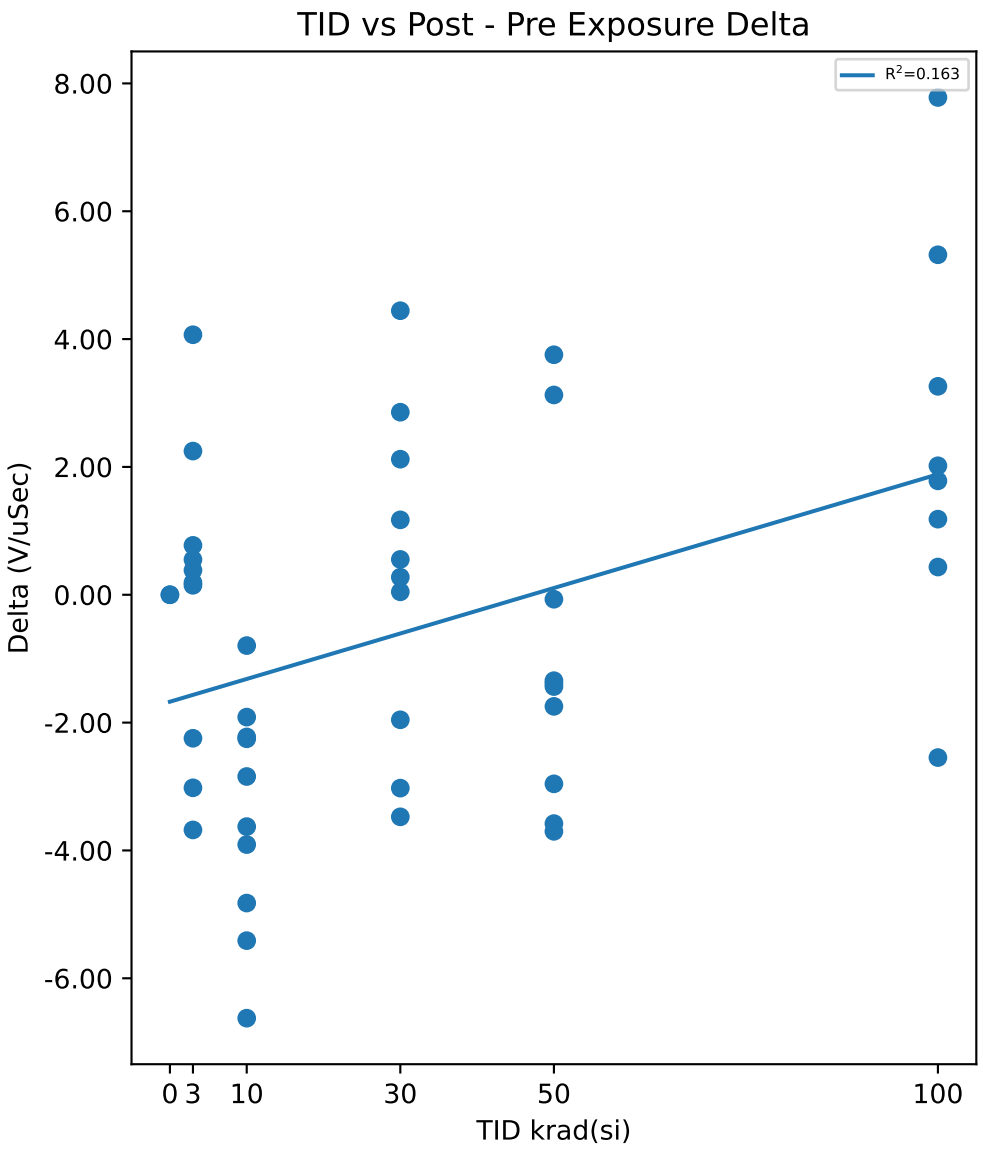
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.086 | 26.896 | 27.707 | 1.1462 | 26.086 | 26.896 | 27.707 | 1.1462 | 0 | 0 | 0 | 0 |
| 3 | 25.768 | 27.096 | 28.3 | 0.9263 | 25.848 | 26.474 | 27.734 | 0.62718 | -2.375 | -0.6228 | 1.845 | 1.2761 |
| 10 | 25.768 | 27.096 | 28.3 | 0.9263 | 25.453 | 26.924 | 28.394 | 1.0571 | -1.097 | -0.1724 | 2.626 | 1.0844 |
| 30 | 25.768 | 27.096 | 28.3 | 0.9263 | 25.17 | 26.422 | 28.161 | 0.99286 | -3.13 | -0.6742 | 2.393 | 1.7058 |
| 50 | 25.768 | 27.096 | 28.3 | 0.9263 | 25.177 | 26.436 | 27.929 | 0.96136 | -3.123 | -0.6608 | 1.357 | 1.584 |
| 100 | 26.888 | 27.371 | 27.675 | 0.25629 | 24.748 | 26.026 | 28.269 | 1.1249 | -2.756 | -1.3453 | 0.799 | 1.1233 |

# Device Test: 19.20 tsr_EN3_Falling/EN3/1.6/14/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

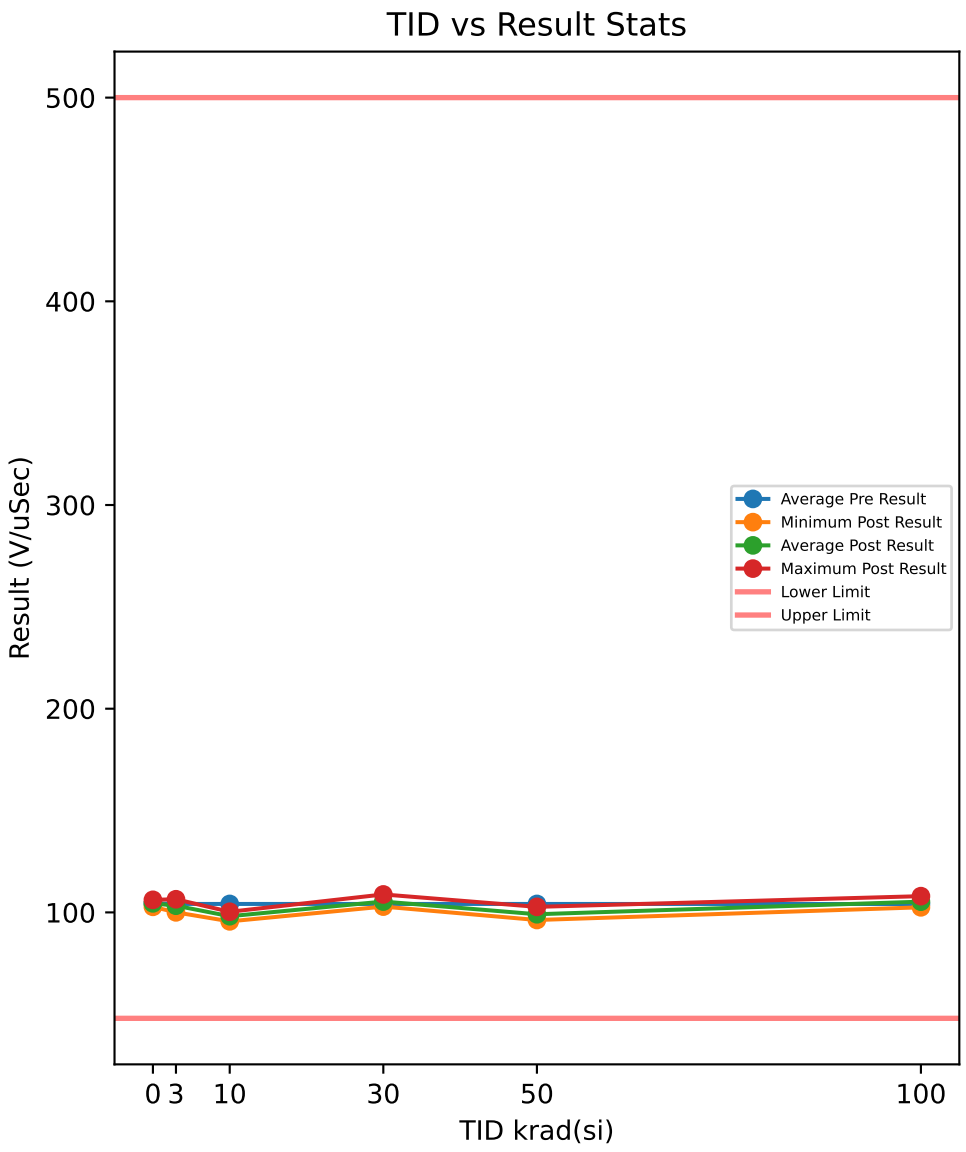
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.978 | 98.978 | 0 |
| 7 | 0 | Correlation | 98.371 | 98.371 | 0 |
| 16 | 3 | LDR-Biased | 100.13 | 97.889 | -2.245 |
| 18 | 3 | LDR-Biased | 97.889 | 101.96 | 4.068 |
| 19 | 3 | LDR-Biased | 97.427 | 97.977 | 0.55 |
| 20 | 3 | LDR-Biased | 97.136 | 97.284 | 0.148 |
| 21 | 3 | LDR-Biased | 97.393 | 94.373 | -3.02 |
| 22 | 3 | LDR-Unbiased | 99.238 | 99.622 | 0.384 |
| 23 | 3 | LDR-Unbiased | 100.4 | 96.719 | -3.679 |
| 25 | 3 | LDR-Unbiased | 101.55 | 102.32 | 0.773 |
| 26 | 3 | LDR-Unbiased | 97.266 | 99.514 | 2.248 |
| 27 | 3 | LDR-Unbiased | 99.259 | 99.45 | 0.191 |
| 46 | 10 | LDR-Biased | 100.13 | 97.291 | -2.843 |
| 48 | 10 | LDR-Biased | 97.889 | 95.665 | -2.224 |
| 49 | 10 | LDR-Biased | 97.427 | 95.513 | -1.914 |
| 50 | 10 | LDR-Biased | 97.136 | 96.341 | -0.795 |
| 51 | 10 | LDR-Biased | 97.393 | 93.766 | -3.627 |
| 52 | 10 | LDR-Unbiased | 99.238 | 94.415 | -4.823 |
| 53 | 10 | LDR-Unbiased | 100.4 | 93.774 | -6.624 |
| 55 | 10 | LDR-Unbiased | 101.55 | 97.639 | -3.908 |
| 56 | 10 | LDR-Unbiased | 97.266 | 95.013 | -2.253 |
| 57 | 10 | LDR-Unbiased | 99.259 | 93.848 | -5.411 |
| 76 | 30 | LDR-Biased | 100.13 | 100.69 | 0.553 |
| 78 | 30 | LDR-Biased | 97.889 | 98.164 | 0.275 |
| 79 | 30 | LDR-Biased | 97.427 | 99.548 | 2.121 |
| 80 | 30 | LDR-Biased | 97.136 | 101.58 | 4.444 |
| 81 | 30 | LDR-Biased | 97.393 | 97.439 | 0.046 |
| 82 | 30 | LDR-Unbiased | 99.238 | 102.09 | 2.856 |
| 83 | 30 | LDR-Unbiased | 100.4 | 96.924 | -3.474 |
| 84 | 30 | LDR-Unbiased | 99.259 | 96.234 | -3.025 |
| 85 | 30 | LDR-Unbiased | 101.55 | 99.591 | -1.956 |
| 86 | 30 | LDR-Unbiased | 97.266 | 98.438 | 1.172 |
| 87 | 100 | LDR-Biased | 95.341 | 98.602 | 3.261 |
| 88 | 100 | LDR-Biased | 100.64 | 98.095 | -2.547 |
| 90 | 100 | LDR-Biased | 98.68 | 100.7 | 2.018 |
| 91 | 100 | LDR-Unbiased | 96.881 | 104.66 | 7.78 |
| 93 | 100 | LDR-Unbiased | 99.919 | 100.35 | 0.434 |
| 94 | 100 | LDR-Unbiased | 100.32 | 102.1 | 1.782 |
| 95 | 100 | LDR-Unbiased | 97.607 | 98.79 | 1.183 |
| 96 | 100 | LDR-Unbiased | 97.071 | 102.39 | 5.319 |
| 106 | 50 | LDR-Biased | 100.13 | 100.06 | -0.07 |
| 108 | 50 | LDR-Biased | 97.889 | 96.501 | -1.388 |
| 109 | 50 | LDR-Biased | 97.427 | 95.681 | -1.746 |
| 110 | 50 | LDR-Biased | 97.136 | 100.26 | 3.126 |
| 111 | 50 | LDR-Biased | 97.393 | 93.813 | -3.58 |
| 112 | 50 | LDR-Unbiased | 99.238 | 97.894 | -1.344 |
| 113 | 50 | LDR-Unbiased | 100.4 | 98.962 | -1.436 |
| 115 | 50 | LDR-Unbiased | 101.55 | 97.846 | -3.701 |
| 116 | 50 | LDR-Unbiased | 97.266 | 101.02 | 3.755 |
| 117 | 50 | LDR-Unbiased | 99.259 | 96.301 | -2.958 |




Test Statistics (V/uSec)

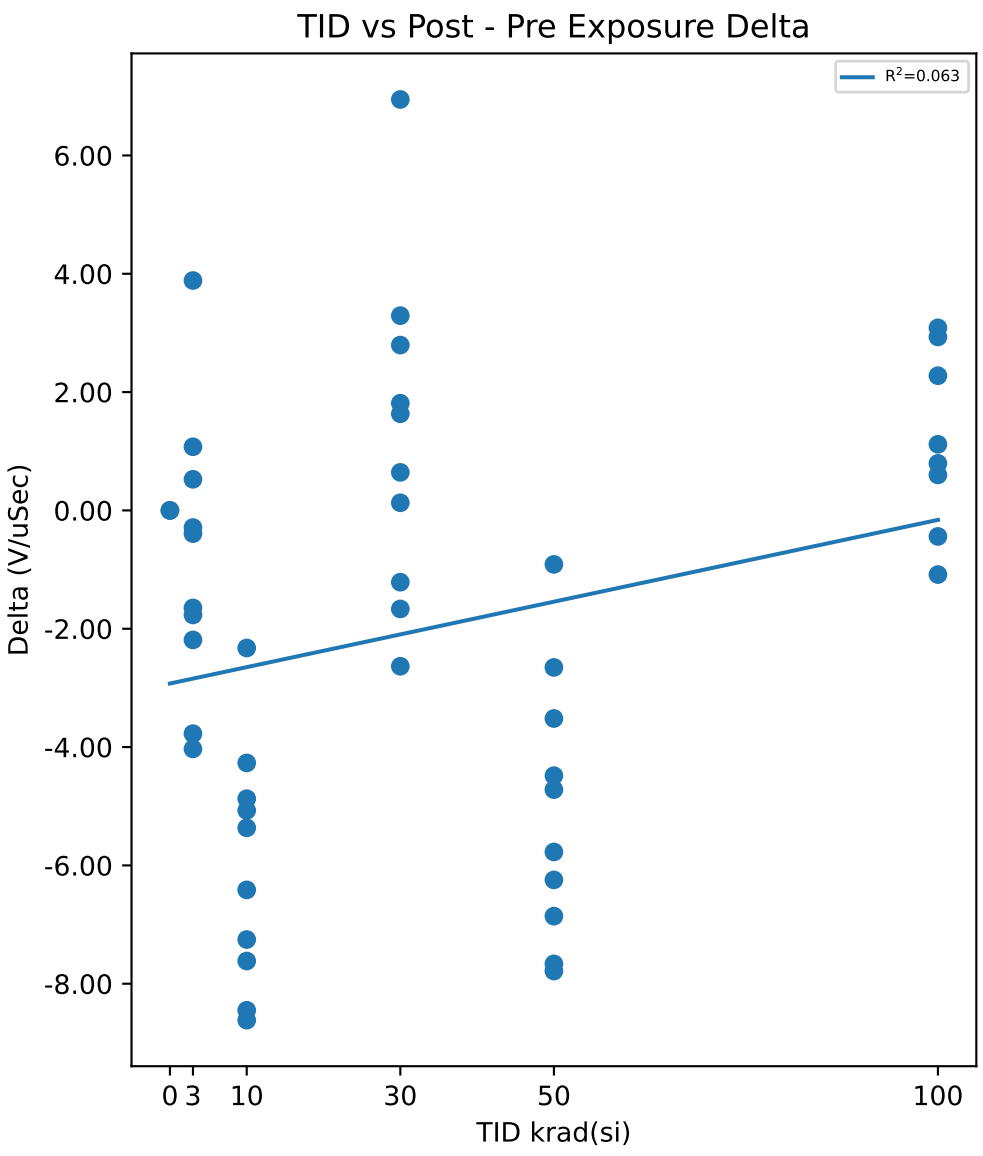
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.371 | 98.674 | 98.978 | 0.42921 | 98.371 | 98.674 | 98.978 | 0.42921 | 0 | 0 | 0 | 0 |
| 3 | 97.136 | 98.769 | 101.55 | 1.5666 | 94.373 | 98.71 | 102.32 | 2.3949 | -3.679 | -0.0582 | 4.068 | 2.3657 |
| 10 | 97.136 | 98.769 | 101.55 | 1.5666 | 93.766 | 95.326 | 97.639 | 1.4277 | -6.624 | -3.4422 | -0.795 | 1.7876 |
| 30 | 97.136 | 98.769 | 101.55 | 1.5666 | 96.234 | 99.07 | 102.09 | 1.9745 | -3.474 | 0.3012 | 4.444 | 2.5451 |
| 50 | 97.136 | 98.769 | 101.55 | 1.5666 | 93.813 | 97.835 | 101.02 | 2.2909 | -3.701 | -0.9342 | 3.755 | 2.5659 |
| 100 | 95.341 | 98.308 | 100.64 | 1.8934 | 98.095 | 100.71 | 104.66 | 2.251 | -2.547 | 2.4038 | 7.78 | 3.1294 |

# Device Test: 19.21 tsr_EN4_Falling/EN4/1.6/14/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

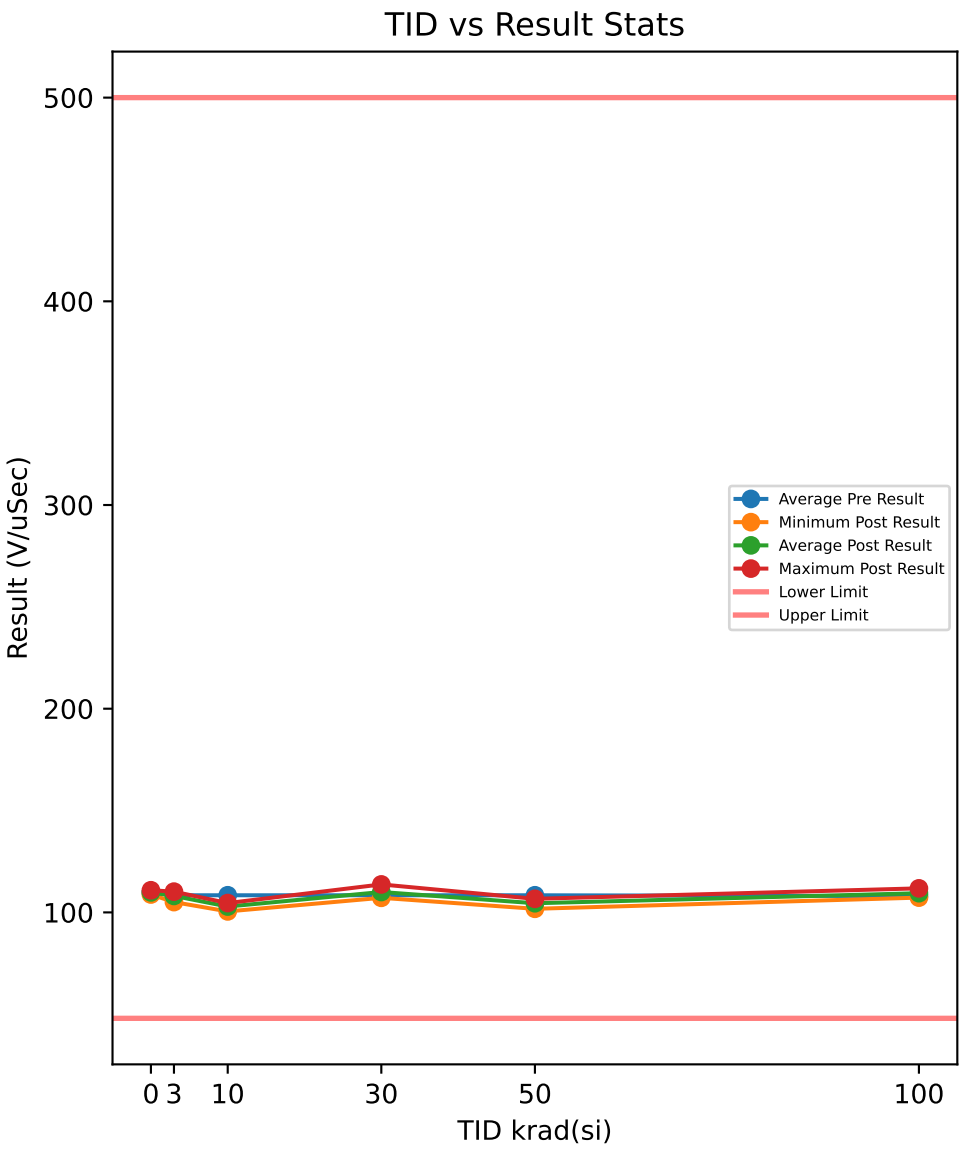
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 102.73 | 102.73 | 0 |
| 7 | 0 | Correlation | 106.17 | 106.17 | 0 |
| 16 | 3 | LDR-Biased | 105.38 | 106.45 | 1.076 |
| 18 | 3 | LDR-Biased | 101.87 | 105.76 | 3.886 |
| 19 | 3 | LDR-Biased | 103.45 | 103.06 | -0.392 |
| 20 | 3 | LDR-Biased | 102.3 | 102.82 | 0.526 |
| 21 | 3 | LDR-Biased | 104.06 | 100.03 | -4.031 |
| 22 | 3 | LDR-Unbiased | 106.08 | 104.43 | -1.648 |
| 23 | 3 | LDR-Unbiased | 104.31 | 102.12 | -2.189 |
| 25 | 3 | LDR-Unbiased | 104.88 | 104.59 | -0.289 |
| 26 | 3 | LDR-Unbiased | 104.45 | 102.69 | -1.767 |
| 27 | 3 | LDR-Unbiased | 104.75 | 100.97 | -3.773 |
| 46 | 10 | LDR-Biased | 105.38 | 100.3 | -5.071 |
| 48 | 10 | LDR-Biased | 101.87 | 99.546 | -2.325 |
| 49 | 10 | LDR-Biased | 103.45 | 98.086 | -5.365 |
| 50 | 10 | LDR-Biased | 102.3 | 98.027 | -4.268 |
| 51 | 10 | LDR-Biased | 104.06 | 95.608 | -8.449 |
| 52 | 10 | LDR-Unbiased | 106.08 | 99.662 | -6.414 |
| 53 | 10 | LDR-Unbiased | 104.31 | 97.058 | -7.253 |
| 55 | 10 | LDR-Unbiased | 104.88 | 100 | -4.873 |
| 56 | 10 | LDR-Unbiased | 104.45 | 96.837 | -7.616 |
| 57 | 10 | LDR-Unbiased | 104.75 | 96.132 | -8.616 |
| 76 | 30 | LDR-Biased | 105.38 | 103.71 | -1.665 |
| 78 | 30 | LDR-Biased | 101.87 | 108.82 | 6.946 |
| 79 | 30 | LDR-Biased | 103.45 | 103.58 | 0.129 |
| 80 | 30 | LDR-Biased | 102.3 | 105.59 | 3.292 |
| 81 | 30 | LDR-Biased | 104.06 | 102.84 | -1.213 |
| 82 | 30 | LDR-Unbiased | 106.08 | 103.44 | -2.634 |
| 83 | 30 | LDR-Unbiased | 104.31 | 105.94 | 1.634 |
| 84 | 30 | LDR-Unbiased | 104.75 | 105.39 | 0.643 |
| 85 | 30 | LDR-Unbiased | 104.88 | 106.69 | 1.812 |
| 86 | 30 | LDR-Unbiased | 104.45 | 107.25 | 2.795 |
| 87 | 100 | LDR-Biased | 103.33 | 106.42 | 3.086 |
| 88 | 100 | LDR-Biased | 103.63 | 103.19 | -0.44 |
| 90 | 100 | LDR-Biased | 101.38 | 102.5 | 1.118 |
| 91 | 100 | LDR-Unbiased | 105.04 | 107.97 | 2.932 |
| 93 | 100 | LDR-Unbiased | 105.44 | 107.71 | 2.277 |
| 94 | 100 | LDR-Unbiased | 104.14 | 103.06 | -1.084 |
| 95 | 100 | LDR-Unbiased | 105.1 | 105.89 | 0.795 |
| 96 | 100 | LDR-Unbiased | 104.88 | 105.48 | 0.6 |
| 106 | 50 | LDR-Biased | 105.38 | 102.72 | -2.654 |
| 108 | 50 | LDR-Biased | 101.87 | 100.96 | -0.912 |
| 109 | 50 | LDR-Biased | 103.45 | 97.678 | -5.773 |
| 110 | 50 | LDR-Biased | 102.3 | 98.778 | -3.517 |
| 111 | 50 | LDR-Biased | 104.06 | 96.271 | -7.786 |
| 112 | 50 | LDR-Unbiased | 106.08 | 101.36 | -4.719 |
| 113 | 50 | LDR-Unbiased | 104.31 | 97.453 | -6.858 |
| 115 | 50 | LDR-Unbiased | 104.88 | 100.39 | -4.483 |
| 116 | 50 | LDR-Unbiased | 104.45 | 98.208 | -6.245 |
| 117 | 50 | LDR-Unbiased | 104.75 | 97.083 | -7.665 |




Test Statistics (V/uSec)

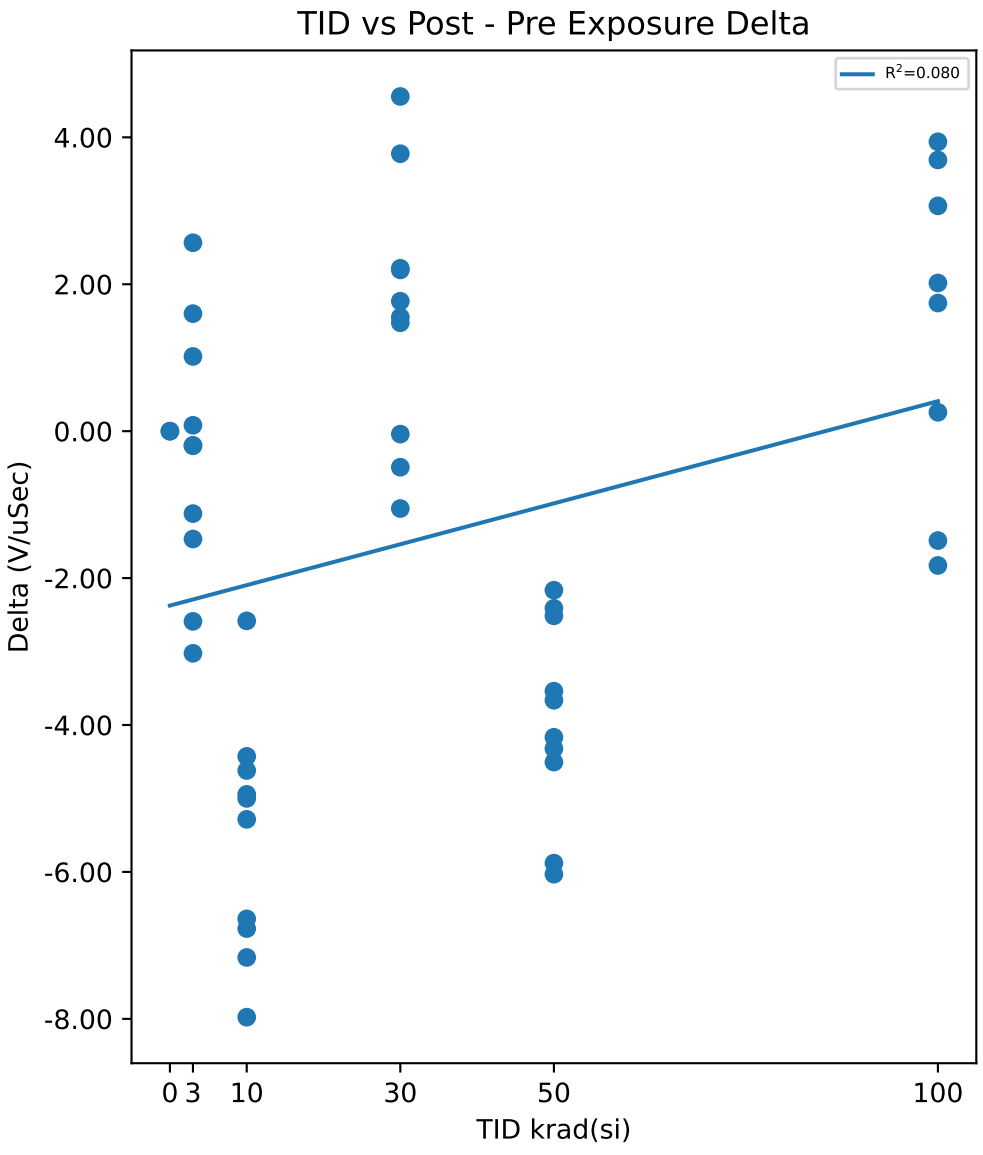
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 102.73 | 104.45 | 106.17 | 2.4317 | 102.73 | 104.45 | 106.17 | 2.4317 | 0 | 0 | 0 | 0 |
| 3 | 101.87 | 104.15 | 106.08 | 1.3058 | 100.03 | 103.29 | 106.45 | 2.0296 | -4.031 | -0.8601 | 3.886 | 2.3685 |
| 10 | 101.87 | 104.15 | 106.08 | 1.3058 | 95.608 | 98.126 | 100.3 | 1.6923 | -8.616 | -6.025 | -2.325 | 2.0064 |
| 30 | 101.87 | 104.15 | 106.08 | 1.3058 | 102.84 | 105.33 | 108.82 | 1.9312 | -2.634 | 1.1739 | 6.946 | 2.8024 |
| 50 | 101.87 | 104.15 | 106.08 | 1.3058 | 96.271 | 99.09 | 102.72 | 2.1354 | -7.786 | -5.0612 | -0.912 | 2.2407 |
| 100 | 101.38 | 104.12 | 105.44 | 1.3351 | 102.5 | 105.28 | 107.97 | 2.1353 | -1.084 | 1.1605 | 3.086 | 1.5185 |

# Device Test: 19.22 tsr_PWRGD_Falling/PWRGD/1.6/14/0/0/0/@PWRGD_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

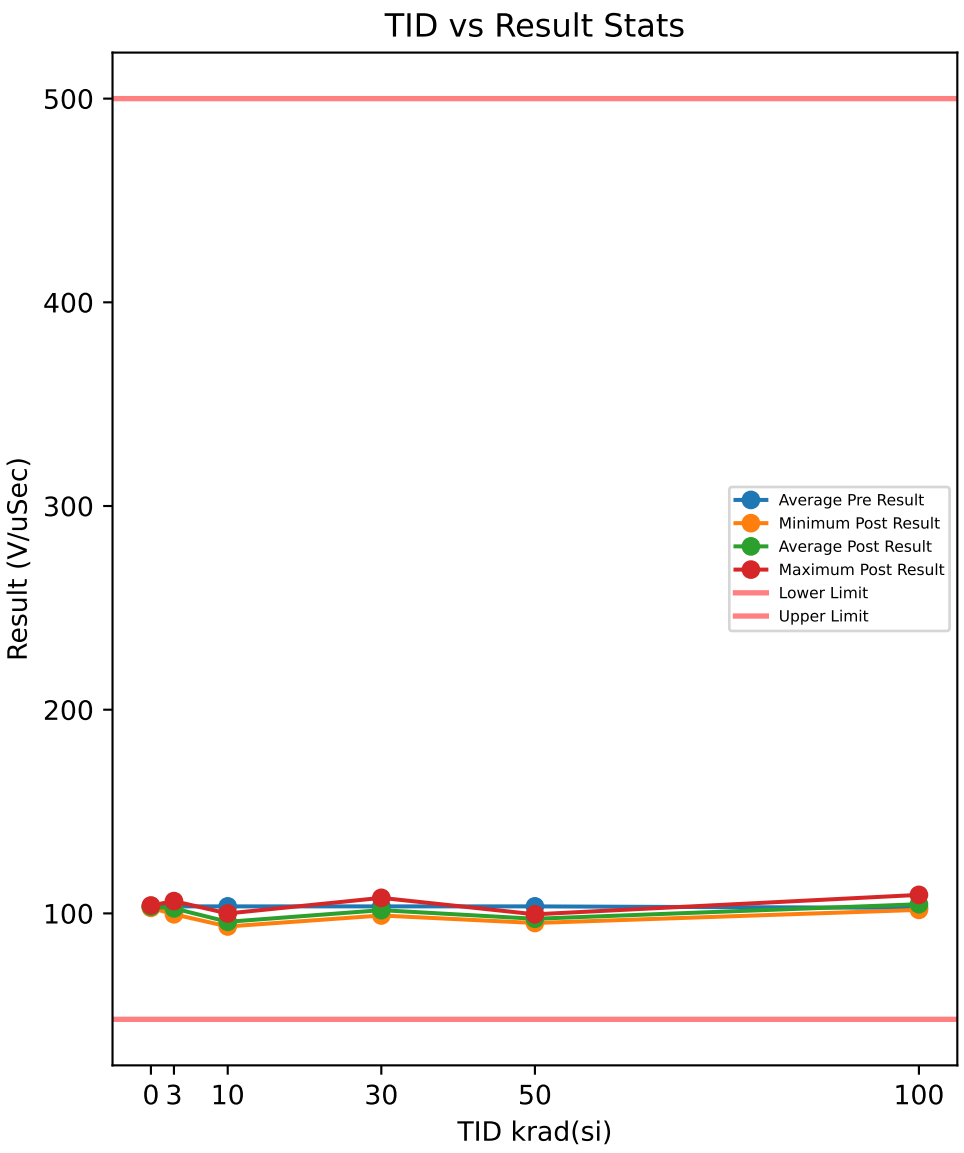
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 108.79 | 108.79 | 0 |
| 7 | 0 | Correlation | 110.87 | 110.87 | 0 |
| 16 | 3 | LDR-Biased | 109.58 | 109.38 | -0.199 |
| 18 | 3 | LDR-Biased | 107.17 | 109.73 | 2.565 |
| 19 | 3 | LDR-Biased | 108.98 | 105.95 | -3.024 |
| 20 | 3 | LDR-Biased | 107.66 | 107.74 | 0.08 |
| 21 | 3 | LDR-Biased | 107.65 | 105.06 | -2.589 |
| 22 | 3 | LDR-Unbiased | 108.44 | 110.04 | 1.6 |
| 23 | 3 | LDR-Unbiased | 109.22 | 108.1 | -1.122 |
| 25 | 3 | LDR-Unbiased | 109.18 | 110.19 | 1.017 |
| 26 | 3 | LDR-Unbiased | 108.78 | 108.59 | -0.193 |
| 27 | 3 | LDR-Unbiased | 107.48 | 106.01 | -1.468 |
| 46 | 10 | LDR-Biased | 109.58 | 104.58 | -4.999 |
| 48 | 10 | LDR-Biased | 107.17 | 104.58 | -2.582 |
| 49 | 10 | LDR-Biased | 108.98 | 101 | -7.977 |
| 50 | 10 | LDR-Biased | 107.66 | 102.72 | -4.944 |
| 51 | 10 | LDR-Biased | 107.65 | 100.48 | -7.164 |
| 52 | 10 | LDR-Unbiased | 108.44 | 104.02 | -4.427 |
| 53 | 10 | LDR-Unbiased | 109.22 | 102.58 | -6.639 |
| 55 | 10 | LDR-Unbiased | 109.18 | 104.56 | -4.619 |
| 56 | 10 | LDR-Unbiased | 108.78 | 103.5 | -5.284 |
| 57 | 10 | LDR-Unbiased | 107.48 | 100.71 | -6.771 |
| 76 | 30 | LDR-Biased | 109.58 | 111.34 | 1.769 |
| 78 | 30 | LDR-Biased | 107.17 | 110.94 | 3.777 |
| 79 | 30 | LDR-Biased | 108.98 | 107.92 | -1.053 |
| 80 | 30 | LDR-Biased | 107.66 | 109.14 | 1.476 |
| 81 | 30 | LDR-Biased | 107.65 | 107.16 | -0.491 |
| 82 | 30 | LDR-Unbiased | 108.44 | 110.66 | 2.217 |
| 83 | 30 | LDR-Unbiased | 109.22 | 109.18 | -0.04 |
| 84 | 30 | LDR-Unbiased | 107.48 | 109.67 | 2.195 |
| 85 | 30 | LDR-Unbiased | 109.18 | 113.73 | 4.556 |
| 86 | 30 | LDR-Unbiased | 108.78 | 110.33 | 1.552 |
| 87 | 100 | LDR-Biased | 106.96 | 110.65 | 3.692 |
| 88 | 100 | LDR-Biased | 109.19 | 107.7 | -1.489 |
| 90 | 100 | LDR-Biased | 107.13 | 107.38 | 0.257 |
| 91 | 100 | LDR-Unbiased | 108.61 | 111.68 | 3.067 |
| 93 | 100 | LDR-Unbiased | 107.87 | 111.81 | 3.939 |
| 94 | 100 | LDR-Unbiased | 109.08 | 107.25 | -1.828 |
| 95 | 100 | LDR-Unbiased | 107.91 | 109.93 | 2.017 |
| 96 | 100 | LDR-Unbiased | 107.29 | 109.04 | 1.744 |
| 106 | 50 | LDR-Biased | 109.58 | 105.91 | -3.663 |
| 108 | 50 | LDR-Biased | 107.17 | 105 | -2.165 |
| 109 | 50 | LDR-Biased | 108.98 | 102.94 | -6.031 |
| 110 | 50 | LDR-Biased | 107.66 | 104.12 | -3.539 |
| 111 | 50 | LDR-Biased | 107.65 | 101.77 | -5.88 |
| 112 | 50 | LDR-Unbiased | 108.44 | 106.03 | -2.412 |
| 113 | 50 | LDR-Unbiased | 109.22 | 104.71 | -4.505 |
| 115 | 50 | LDR-Unbiased | 109.18 | 106.66 | -2.514 |
| 116 | 50 | LDR-Unbiased | 108.78 | 104.46 | -4.321 |
| 117 | 50 | LDR-Unbiased | 107.48 | 103.31 | -4.167 |




Test Statistics (V/uSec)

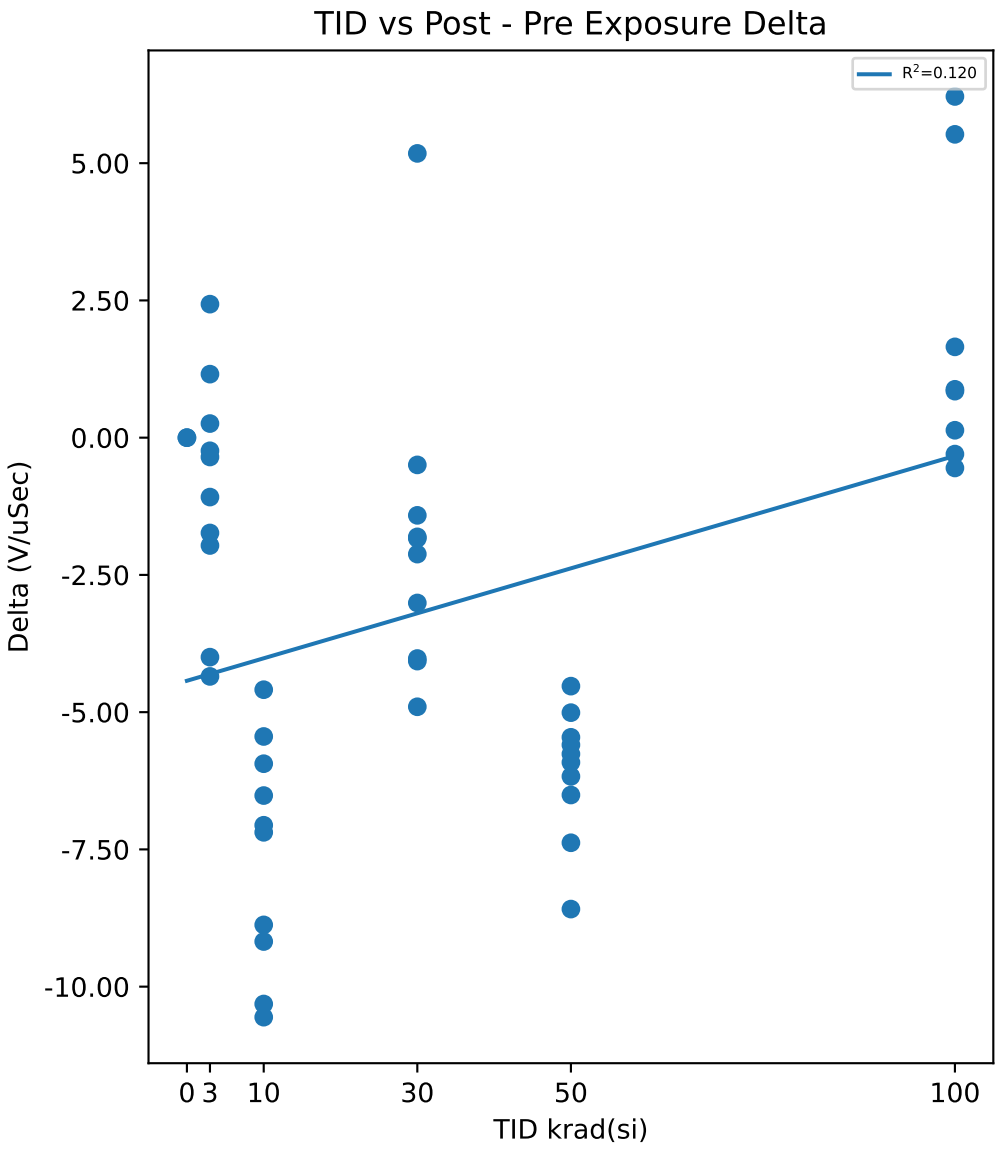
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 108.79 | 109.83 | 110.87 | 1.4743 | 108.79 | 109.83 | 110.87 | 1.4743 | 0 | 0 | 0 | 0 |
| 3 | 107.17 | 108.41 | 109.58 | 0.85705 | 105.06 | 108.08 | 110.19 | 1.8568 | -3.024 | -0.3333 | 2.565 | 1.7766 |
| 10 | 107.17 | 108.41 | 109.58 | 0.85705 | 100.48 | 102.87 | 104.58 | 1.6457 | -7.977 | -5.5406 | -2.582 | 1.5934 |
| 30 | 107.17 | 108.41 | 109.58 | 0.85705 | 107.16 | 110.01 | 113.73 | 1.8588 | -1.053 | 1.5958 | 4.556 | 1.7751 |
| 50 | 107.17 | 108.41 | 109.58 | 0.85705 | 101.77 | 104.49 | 106.66 | 1.5182 | -6.031 | -3.9197 | -2.165 | 1.3501 |
| 100 | 106.96 | 108 | 109.19 | 0.87228 | 107.25 | 109.43 | 111.81 | 1.8711 | -1.828 | 1.4249 | 3.939 | 2.2375 |

# Device Test: 19.23 tsr_SEQ_Falling/SEQ_DONE/1.6/14/0/0/0/@SEQ_DONE_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

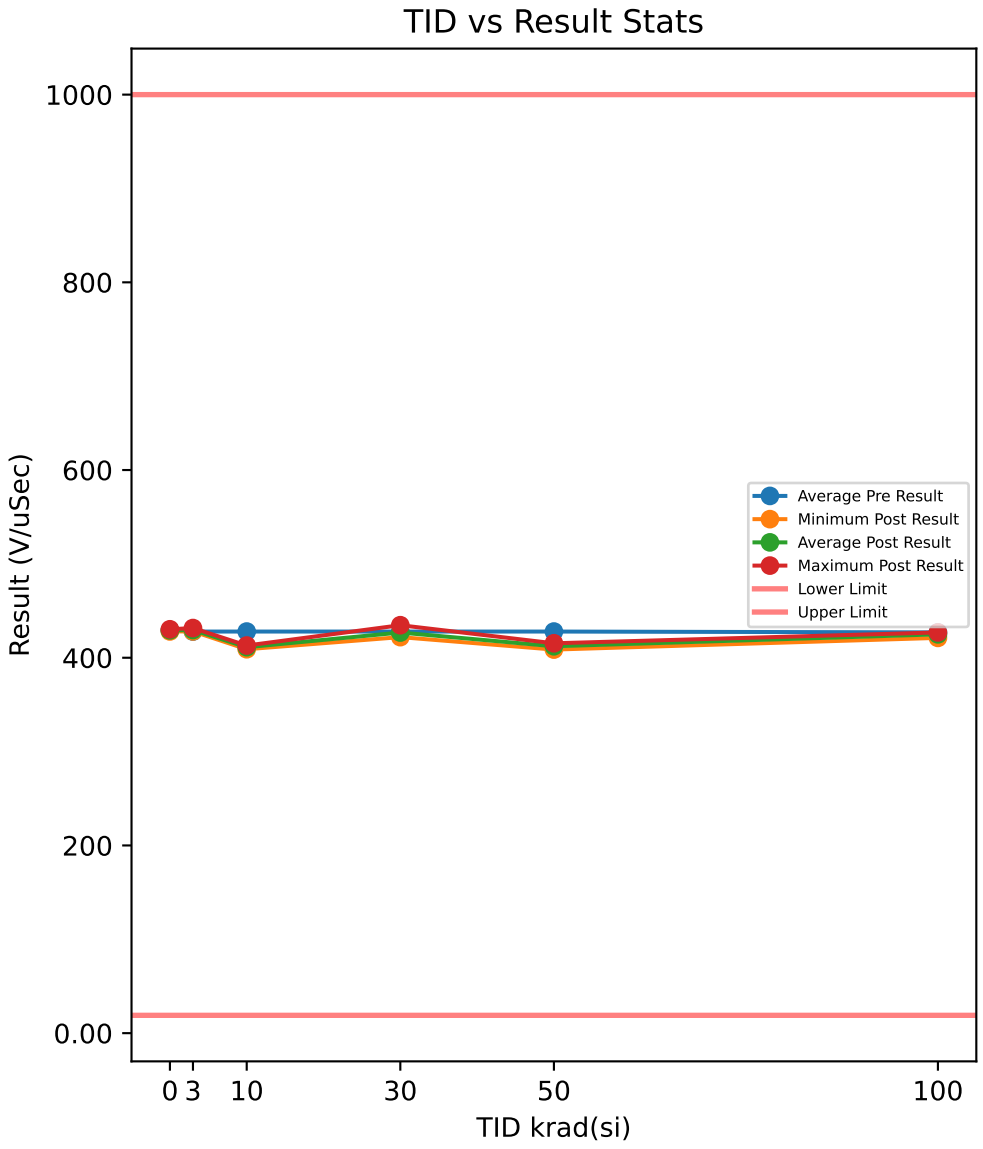
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 102.73 | 102.73 | 0 |
| 7 | 0 | Correlation | 103.89 | 103.89 | 0 |
| 16 | 3 | LDR-Biased | 103.34 | 102.98 | -0.352 |
| 18 | 3 | LDR-Biased | 102.46 | 104.89 | 2.432 |
| 19 | 3 | LDR-Biased | 102.76 | 100.8 | -1.964 |
| 20 | 3 | LDR-Biased | 102.65 | 100.92 | -1.736 |
| 21 | 3 | LDR-Biased | 103.91 | 99.562 | -4.349 |
| 22 | 3 | LDR-Unbiased | 104.56 | 103.48 | -1.082 |
| 23 | 3 | LDR-Unbiased | 104.82 | 100.82 | -3.998 |
| 25 | 3 | LDR-Unbiased | 104.88 | 106.04 | 1.157 |
| 26 | 3 | LDR-Unbiased | 103.88 | 103.64 | -0.239 |
| 27 | 3 | LDR-Unbiased | 101.2 | 101.46 | 0.257 |
| 46 | 10 | LDR-Biased | 103.34 | 96.817 | -6.519 |
| 48 | 10 | LDR-Biased | 102.46 | 96.519 | -5.939 |
| 49 | 10 | LDR-Biased | 102.76 | 93.585 | -9.178 |
| 50 | 10 | LDR-Biased | 102.65 | 97.21 | -5.443 |
| 51 | 10 | LDR-Biased | 103.91 | 93.595 | -10.316 |
| 52 | 10 | LDR-Unbiased | 104.56 | 99.968 | -4.591 |
| 53 | 10 | LDR-Unbiased | 104.82 | 94.262 | -10.556 |
| 55 | 10 | LDR-Unbiased | 104.88 | 97.819 | -7.06 |
| 56 | 10 | LDR-Unbiased | 103.88 | 95.001 | -8.875 |
| 57 | 10 | LDR-Unbiased | 101.2 | 94.013 | -7.189 |
| 76 | 30 | LDR-Biased | 103.34 | 101.92 | -1.415 |
| 78 | 30 | LDR-Biased | 102.46 | 107.64 | 5.178 |
| 79 | 30 | LDR-Biased | 102.76 | 100.93 | -1.835 |
| 80 | 30 | LDR-Biased | 102.65 | 100.53 | -2.121 |
| 81 | 30 | LDR-Biased | 103.91 | 99.841 | -4.07 |
| 82 | 30 | LDR-Unbiased | 104.56 | 100.54 | -4.023 |
| 83 | 30 | LDR-Unbiased | 104.82 | 101.81 | -3.011 |
| 84 | 30 | LDR-Unbiased | 101.2 | 99.395 | -1.807 |
| 85 | 30 | LDR-Unbiased | 104.88 | 104.38 | -0.496 |
| 86 | 30 | LDR-Unbiased | 103.88 | 98.974 | -4.902 |
| 87 | 100 | LDR-Biased | 103.86 | 104.75 | 0.881 |
| 88 | 100 | LDR-Biased | 102.53 | 104.19 | 1.654 |
| 90 | 100 | LDR-Biased | 101.6 | 101.73 | 0.135 |
| 91 | 100 | LDR-Unbiased | 103.56 | 109.09 | 5.525 |
| 93 | 100 | LDR-Unbiased | 101 | 107.22 | 6.215 |
| 94 | 100 | LDR-Unbiased | 102.39 | 103.24 | 0.847 |
| 95 | 100 | LDR-Unbiased | 103.89 | 103.59 | -0.299 |
| 96 | 100 | LDR-Unbiased | 102.84 | 102.29 | -0.552 |
| 106 | 50 | LDR-Biased | 103.34 | 97.574 | -5.762 |
| 108 | 50 | LDR-Biased | 102.46 | 97.932 | -4.526 |
| 109 | 50 | LDR-Biased | 102.76 | 97.167 | -5.596 |
| 110 | 50 | LDR-Biased | 102.65 | 96.483 | -6.17 |
| 111 | 50 | LDR-Biased | 103.91 | 95.324 | -8.587 |
| 112 | 50 | LDR-Unbiased | 104.56 | 99.55 | -5.009 |
| 113 | 50 | LDR-Unbiased | 104.82 | 98.309 | -6.509 |
| 115 | 50 | LDR-Unbiased | 104.88 | 99.421 | -5.458 |
| 116 | 50 | LDR-Unbiased | 103.88 | 96.497 | -7.379 |
| 117 | 50 | LDR-Unbiased | 101.2 | 95.287 | -5.915 |

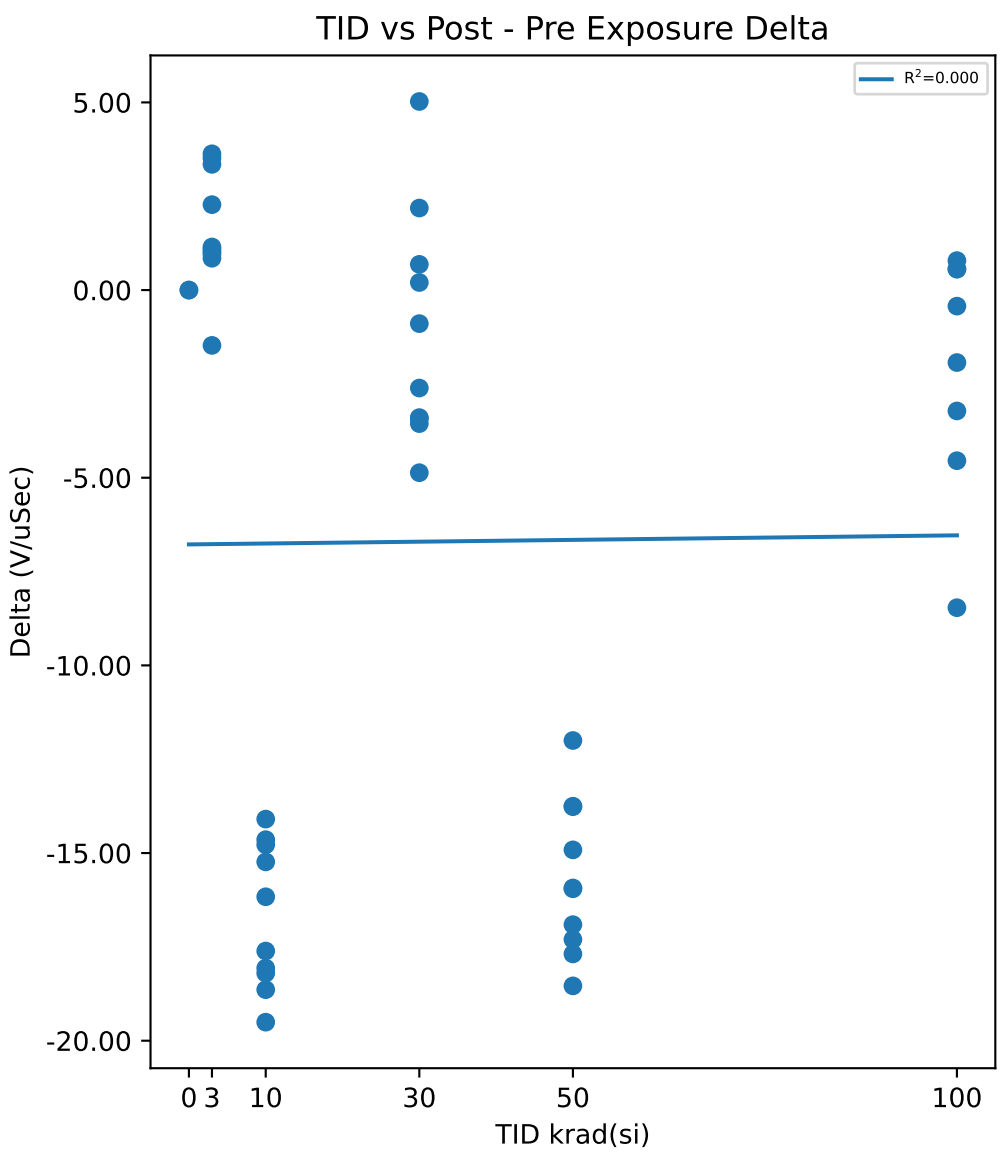



## Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 102.73 | 103.31 | 103.89 | 0.81742 | 102.73 | 103.31 | 103.89 | 0.81742 | 0 | 0 | 0 | 0 |
| 3 | 101.2 | 103.45 | 104.88 | 1.1877 | 99.562 | 102.46 | 106.04 | 2.0714 | -4.349 | -0.9874 | 2.432 | 2.1263 |
| 10 | 101.2 | 103.45 | 104.88 | 1.1877 | 93.585 | 95.879 | 99.968 | 2.1315 | -10.556 | -7.5666 | -4.591 | 2.0633 |
| 30 | 101.2 | 103.45 | 104.88 | 1.1877 | 98.974 | 101.6 | 107.64 | 2.6226 | -4.902 | -1.8502 | 5.178 | 2.8246 |
| 50 | 101.2 | 103.45 | 104.88 | 1.1877 | 95.287 | 97.354 | 99.55 | 1.5023 | -8.587 | -6.0911 | -4.526 | 1.1773 |
| 100 | 101 | 102.71 | 103.89 | 1.0532 | 101.73 | 104.51 | 109.09 | 2.4948 | -0.552 | 1.8007 | 6.215 | 2.6146 |

# Device Test: 19.24 tsr_EN1_Rising/EN1/7/3/0/0/0/@EN_SLEW_RATE_RISE



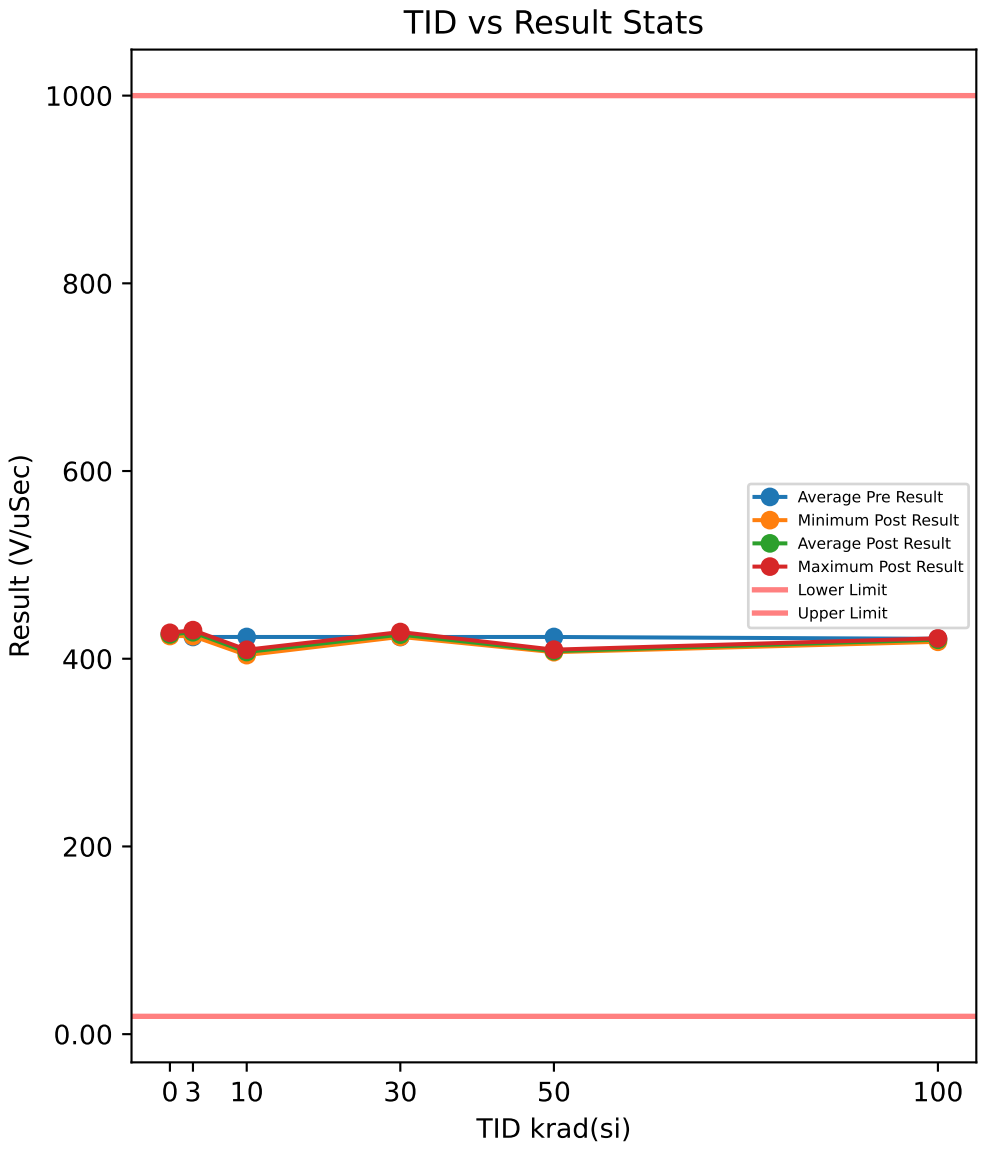

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

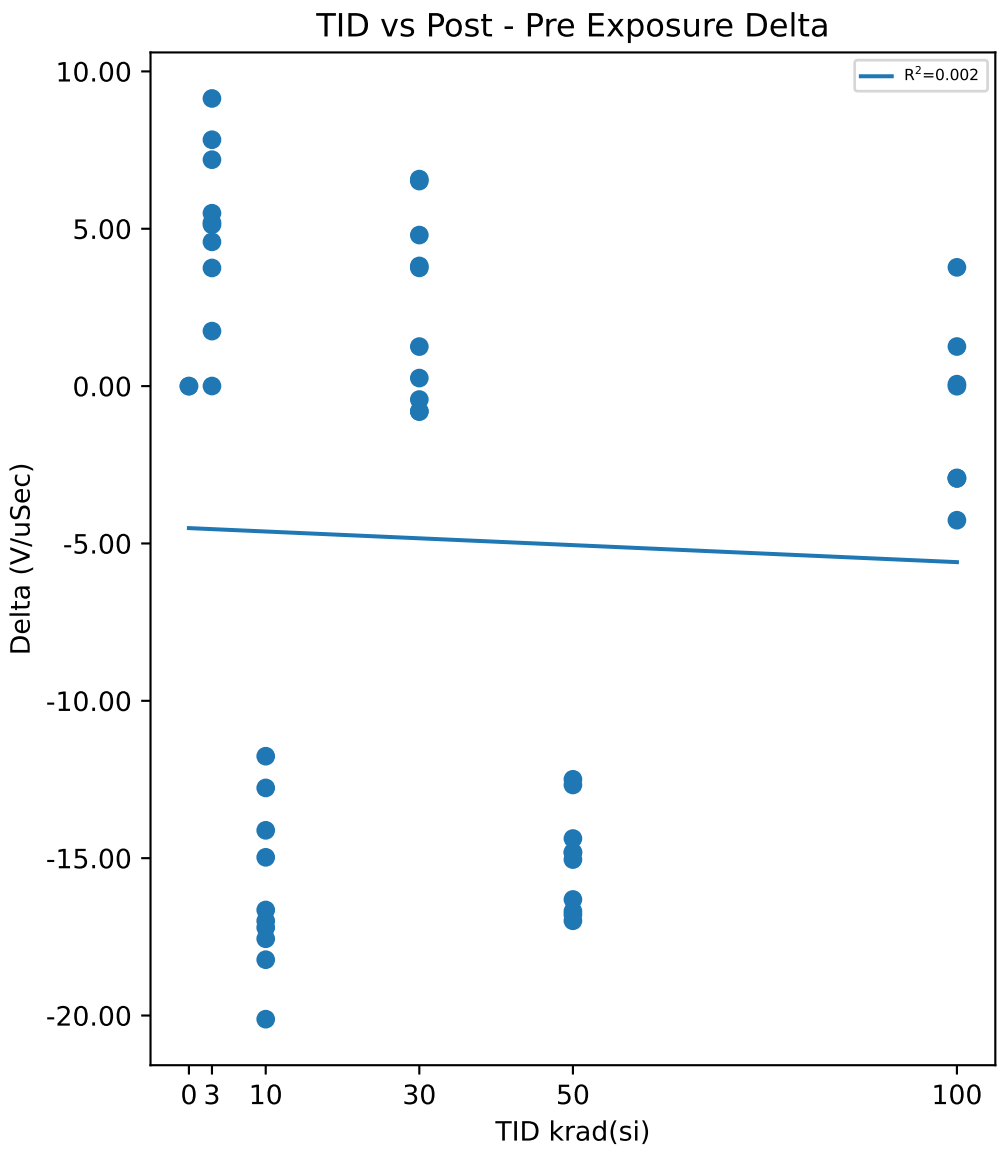
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 430.33 | 430.33 | 0 |
| 7 | 0 | Correlation | 428.03 | 428.03 | 0 |
| 16 | 3 | LDR-Biased | 425.38 | 428.89 | 3.517 |
| 18 | 3 | LDR-Biased | 427.65 | 428.67 | 1.02 |
| 19 | 3 | LDR-Biased | 429.53 | 428.06 | -1.474 |
| 20 | 3 | LDR-Biased | 427.94 | 429.08 | 1.148 |
| 21 | 3 | LDR-Biased | 429.36 | 431.64 | 2.276 |
| 22 | 3 | LDR-Unbiased | 427.41 | 428.25 | 0.848 |
| 23 | 3 | LDR-Unbiased | 429.64 | 430.73 | 1.086 |
| 25 | 3 | LDR-Unbiased | 427.27 | 430.9 | 3.631 |
| 26 | 3 | LDR-Unbiased | 426 | 429.35 | 3.35 |
| 27 | 3 | LDR-Unbiased | 428.93 | 429.89 | 0.963 |
| 46 | 10 | LDR-Biased | 425.38 | 410.14 | -15.235 |
| 48 | 10 | LDR-Biased | 427.65 | 413.01 | -14.643 |
| 49 | 10 | LDR-Biased | 429.53 | 410.03 | -19.506 |
| 50 | 10 | LDR-Biased | 427.94 | 411.77 | -16.165 |
| 51 | 10 | LDR-Biased | 429.36 | 411.29 | -18.066 |
| 52 | 10 | LDR-Unbiased | 427.41 | 412.63 | -14.779 |
| 53 | 10 | LDR-Unbiased | 429.64 | 411 | -18.64 |
| 55 | 10 | LDR-Unbiased | 427.27 | 409.07 | -18.199 |
| 56 | 10 | LDR-Unbiased | 426 | 411.9 | -14.095 |
| 57 | 10 | LDR-Unbiased | 428.93 | 411.32 | -17.61 |
| 76 | 30 | LDR-Biased | 425.38 | 421.96 | -3.417 |
| 78 | 30 | LDR-Biased | 427.65 | 427.85 | 0.202 |
| 79 | 30 | LDR-Biased | 429.53 | 428.64 | -0.894 |
| 80 | 30 | LDR-Biased | 427.94 | 425.33 | -2.61 |
| 81 | 30 | LDR-Biased | 429.36 | 425.8 | -3.558 |
| 82 | 30 | LDR-Unbiased | 427.41 | 429.59 | 2.186 |
| 83 | 30 | LDR-Unbiased | 429.64 | 434.67 | 5.025 |
| 84 | 30 | LDR-Unbiased | 428.93 | 424.06 | -4.866 |
| 85 | 30 | LDR-Unbiased | 427.27 | 427.95 | 0.685 |
| 86 | 30 | LDR-Unbiased | 426 | 422.6 | -3.398 |
| 87 | 100 | LDR-Biased | 429.27 | 424.73 | -4.546 |
| 88 | 100 | LDR-Biased | 426.51 | 423.29 | -3.221 |
| 90 | 100 | LDR-Biased | 424.1 | 424.88 | 0.785 |
| 91 | 100 | LDR-Unbiased | 425.72 | 426.29 | 0.566 |
| 93 | 100 | LDR-Unbiased | 429.62 | 421.15 | -8.463 |
| 94 | 100 | LDR-Unbiased | 426.14 | 426.7 | 0.556 |
| 95 | 100 | LDR-Unbiased | 427.39 | 426.96 | -0.428 |
| 96 | 100 | LDR-Unbiased | 427.41 | 425.48 | -1.931 |
| 106 | 50 | LDR-Biased | 425.38 | 410.46 | -14.915 |
| 108 | 50 | LDR-Biased | 427.65 | 413.9 | -13.753 |
| 109 | 50 | LDR-Biased | 429.53 | 413.6 | -15.93 |
| 110 | 50 | LDR-Biased | 427.94 | 410.25 | -17.688 |
| 111 | 50 | LDR-Biased | 429.36 | 412.45 | -16.908 |
| 112 | 50 | LDR-Unbiased | 427.41 | 415.4 | -12.001 |
| 113 | 50 | LDR-Unbiased | 429.64 | 411.1 | -18.539 |
| 115 | 50 | LDR-Unbiased | 427.27 | 413.5 | -13.764 |
| 116 | 50 | LDR-Unbiased | 426 | 408.69 | -17.303 |
| 117 | 50 | LDR-Unbiased | 428.93 | 412.98 | -15.952 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 428.03 | 429.18 | 430.33 | 1.6228 | 428.03 | 429.18 | 430.33 | 1.6228 | 0 | 0 | 0 | 0 |
| 3 | 425.38 | 427.91 | 429.64 | 1.4757 | 428.06 | 429.55 | 431.64 | 1.2037 | -1.474 | 1.6365 | 3.631 | 1.5823 |
| 10 | 425.38 | 427.91 | 429.64 | 1.4757 | 409.07 | 411.22 | 413.01 | 1.2123 | -19.506 | -16.694 | -14.095 | 1.9356 |
| 30 | 425.38 | 427.91 | 429.64 | 1.4757 | 421.96 | 426.85 | 434.67 | 3.7601 | -4.866 | -1.0645 | 5.025 | 3.098 |
| 50 | 425.38 | 427.91 | 429.64 | 1.4757 | 408.69 | 412.23 | 415.4 | 2.0494 | -18.539 | -15.675 | -12.001 | 2.0545 |
| 100 | 424.1 | 427.02 | 429.62 | 1.8256 | 421.15 | 424.93 | 426.96 | 1.9422 | -8.463 | -2.0853 | 0.785 | 3.2301 |

# Device Test: 19.25 tsr_EN2_Rising/EN2/7/3/0/0/0/@EN_SLEW_RATE_RISE



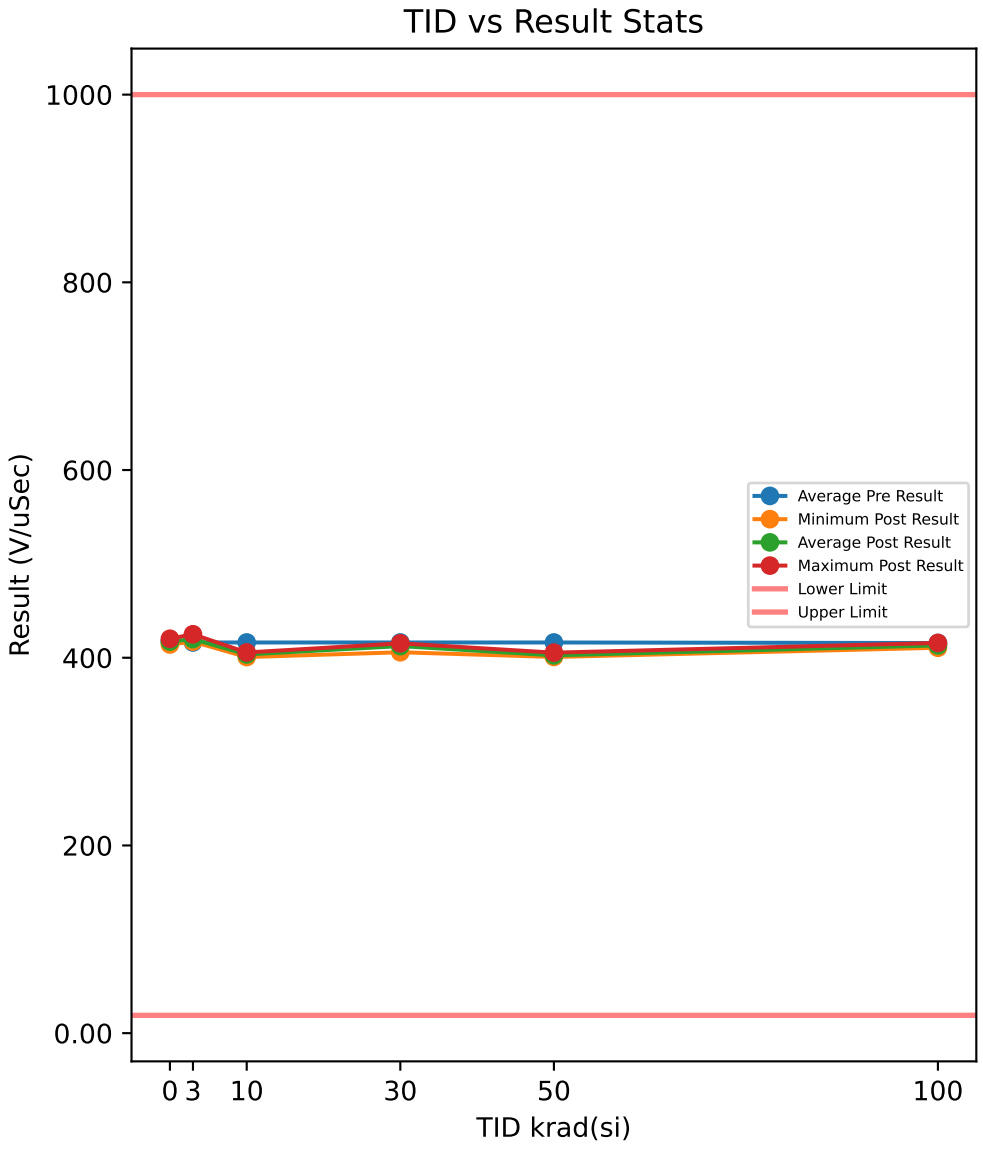

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

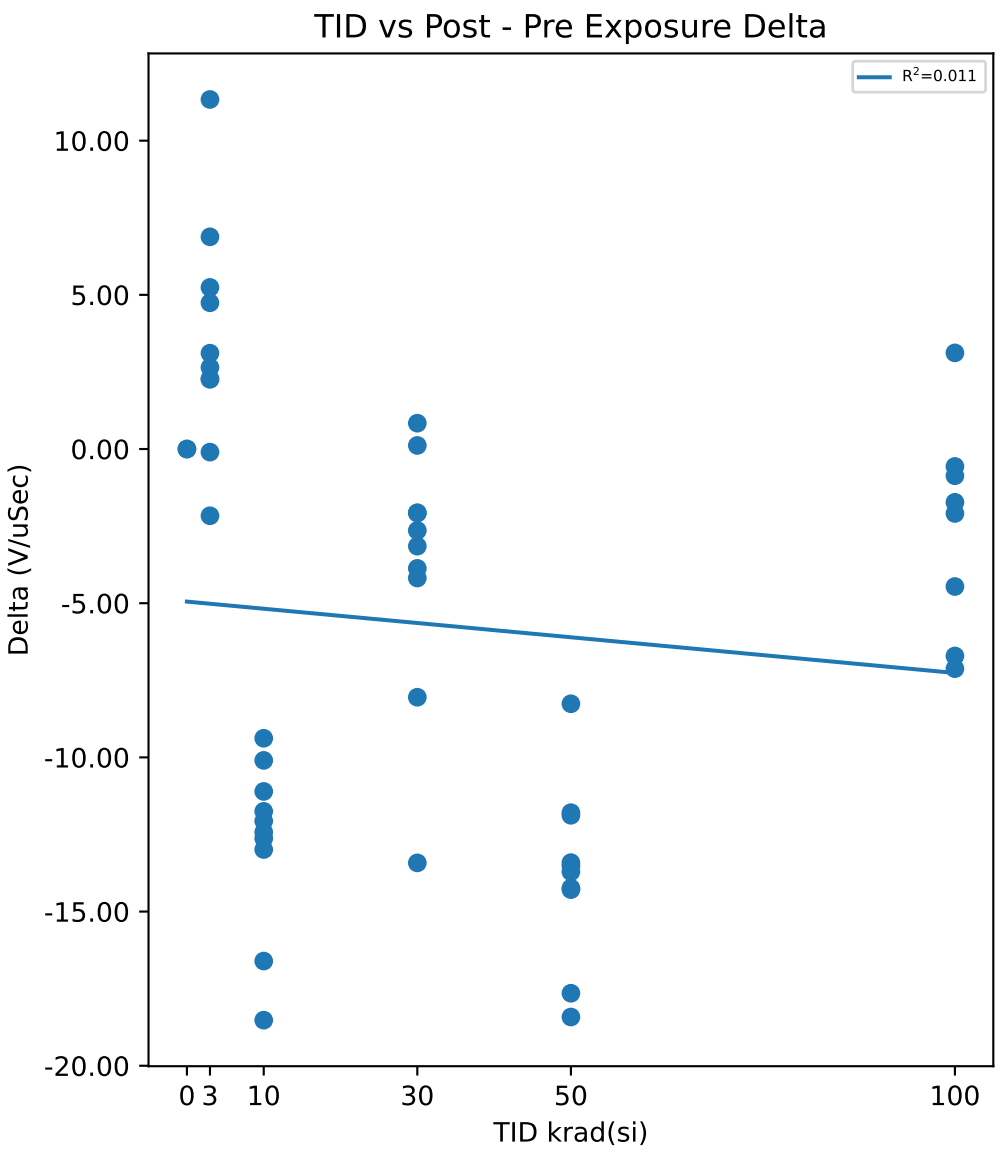
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 424.2 | 424.2 | 0 |
| 7 | 0 | Correlation | 427.62 | 427.62 | 0 |
| 16 | 3 | LDR-Biased | 424.16 | 429.66 | 5.494 |
| 18 | 3 | LDR-Biased | 424.09 | 428.68 | 4.584 |
| 19 | 3 | LDR-Biased | 423.65 | 428.85 | 5.198 |
| 20 | 3 | LDR-Biased | 421.79 | 428.99 | 7.195 |
| 21 | 3 | LDR-Biased | 424.73 | 428.49 | 3.754 |
| 22 | 3 | LDR-Unbiased | 421.34 | 430.48 | 9.14 |
| 23 | 3 | LDR-Unbiased | 424.09 | 424.09 | 0.003 |
| 25 | 3 | LDR-Unbiased | 423.96 | 425.71 | 1.748 |
| 26 | 3 | LDR-Unbiased | 421.83 | 429.65 | 7.829 |
| 27 | 3 | LDR-Unbiased | 422.33 | 427.46 | 5.128 |
| 46 | 10 | LDR-Biased | 424.16 | 409.19 | -14.973 |
| 48 | 10 | LDR-Biased | 424.09 | 407.1 | -16.993 |
| 49 | 10 | LDR-Biased | 423.65 | 406.09 | -17.561 |
| 50 | 10 | LDR-Biased | 421.79 | 409.02 | -12.768 |
| 51 | 10 | LDR-Biased | 424.73 | 408.09 | -16.646 |
| 52 | 10 | LDR-Unbiased | 421.34 | 409.58 | -11.76 |
| 53 | 10 | LDR-Unbiased | 424.09 | 405.86 | -18.226 |
| 55 | 10 | LDR-Unbiased | 423.96 | 403.84 | -20.116 |
| 56 | 10 | LDR-Unbiased | 421.83 | 407.71 | -14.115 |
| 57 | 10 | LDR-Unbiased | 422.33 | 405.12 | -17.205 |
| 76 | 30 | LDR-Biased | 424.16 | 423.74 | -0.426 |
| 78 | 30 | LDR-Biased | 424.09 | 425.35 | 1.256 |
| 79 | 30 | LDR-Biased | 423.65 | 428.45 | 4.8 |
| 80 | 30 | LDR-Biased | 421.79 | 425.61 | 3.819 |
| 81 | 30 | LDR-Biased | 424.73 | 423.92 | -0.811 |
| 82 | 30 | LDR-Unbiased | 421.34 | 427.92 | 6.578 |
| 83 | 30 | LDR-Unbiased | 424.09 | 423.29 | -0.796 |
| 84 | 30 | LDR-Unbiased | 422.33 | 426.08 | 3.757 |
| 85 | 30 | LDR-Unbiased | 423.96 | 424.21 | 0.256 |
| 86 | 30 | LDR-Unbiased | 421.83 | 428.34 | 6.515 |
| 87 | 100 | LDR-Biased | 422.64 | 419.7 | -2.932 |
| 88 | 100 | LDR-Biased | 423.2 | 420.29 | -2.916 |
| 90 | 100 | LDR-Biased | 417.67 | 421.44 | 3.774 |
| 91 | 100 | LDR-Unbiased | 423.22 | 420.29 | -2.93 |
| 93 | 100 | LDR-Unbiased | 421.72 | 421.78 | 0.062 |
| 94 | 100 | LDR-Unbiased | 419.35 | 419.35 | -0.004 |
| 95 | 100 | LDR-Unbiased | 419.77 | 421.03 | 1.258 |
| 96 | 100 | LDR-Unbiased | 422.31 | 418.05 | -4.261 |
| 106 | 50 | LDR-Biased | 424.16 | 407.37 | -16.797 |
| 108 | 50 | LDR-Biased | 424.09 | 407.1 | -16.99 |
| 109 | 50 | LDR-Biased | 423.65 | 406.97 | -16.685 |
| 110 | 50 | LDR-Biased | 421.79 | 409.3 | -12.494 |
| 111 | 50 | LDR-Biased | 424.73 | 409.69 | -15.045 |
| 112 | 50 | LDR-Unbiased | 421.34 | 408.66 | -12.674 |
| 113 | 50 | LDR-Unbiased | 424.09 | 409.27 | -14.814 |
| 115 | 50 | LDR-Unbiased | 423.96 | 407.65 | -16.312 |
| 116 | 50 | LDR-Unbiased | 421.83 | 407.45 | -14.376 |
| 117 | 50 | LDR-Unbiased | 422.33 | 407.51 | -14.821 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 424.2 | 425.91 | 427.62 | 2.4169 | 424.2 | 425.91 | 427.62 | 2.4169 | 0 | 0 | 0 | 0 |
| 3 | 421.34 | 423.2 | 424.73 | 1.2361 | 424.09 | 428.2 | 430.48 | 1.9557 | 0.003 | 5.0073 | 9.14 | 2.7392 |
| 10 | 421.34 | 423.2 | 424.73 | 1.2361 | 403.84 | 407.16 | 409.58 | 1.9023 | -20.116 | -16.036 | -11.76 | 2.5864 |
| 30 | 421.34 | 423.2 | 424.73 | 1.2361 | 423.29 | 425.69 | 428.45 | 1.9655 | -0.811 | 2.4948 | 6.578 | 2.9502 |
| 50 | 421.34 | 423.2 | 424.73 | 1.2361 | 406.97 | 408.1 | 409.69 | 1.0245 | -16.99 | -15.101 | -12.494 | 1.6261 |
| 100 | 417.67 | 421.23 | 423.22 | 2.0548 | 418.05 | 420.24 | 421.78 | 1.2155 | -4.261 | -0.99363 | 3.774 | 2.7196 |

# Device Test: 19.26 tsr_EN3_Rising/EN3/7/3/0/0/0/@EN_SLEW_RATE_RISE



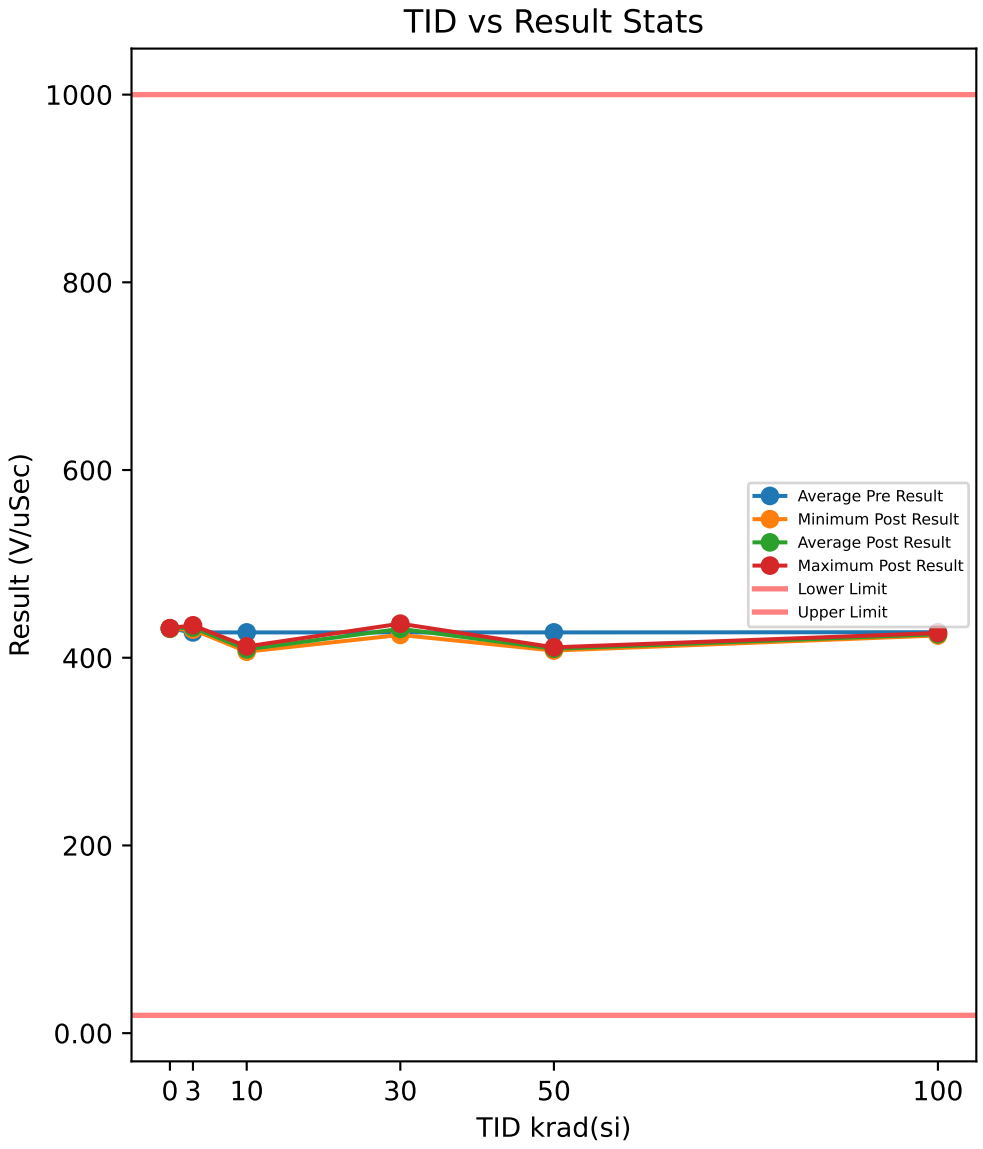

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 414.16 | 414.16 | 0 |
| 7 | 0 | Correlation | 420.23 | 420.23 | 0 |
| 16 | 3 | LDR-Biased | 413.68 | 425.01 | 11.336 |
| 18 | 3 | LDR-Biased | 415.28 | 417.54 | 2.261 |
| 19 | 3 | LDR-Biased | 416.17 | 421.41 | 5.241 |
| 20 | 3 | LDR-Biased | 416.47 | 419.58 | 3.109 |
| 21 | 3 | LDR-Biased | 415.23 | 422.11 | 6.882 |
| 22 | 3 | LDR-Unbiased | 413.89 | 418.63 | 4.743 |
| 23 | 3 | LDR-Unbiased | 419.31 | 417.15 | -2.164 |
| 25 | 3 | LDR-Unbiased | 419.26 | 419.16 | -0.1 |
| 26 | 3 | LDR-Unbiased | 416.71 | 419.36 | 2.648 |
| 27 | 3 | LDR-Unbiased | 416.66 | 418.93 | 2.277 |
| 46 | 10 | LDR-Biased | 413.68 | 404.3 | -9.38 |
| 48 | 10 | LDR-Biased | 415.28 | 403.21 | -12.063 |
| 49 | 10 | LDR-Biased | 416.17 | 403.18 | -12.987 |
| 50 | 10 | LDR-Biased | 416.47 | 403.84 | -12.626 |
| 51 | 10 | LDR-Biased | 415.23 | 402.81 | -12.424 |
| 52 | 10 | LDR-Unbiased | 413.89 | 403.79 | -10.097 |
| 53 | 10 | LDR-Unbiased | 419.31 | 402.71 | -16.605 |
| 55 | 10 | LDR-Unbiased | 419.26 | 400.74 | -18.522 |
| 56 | 10 | LDR-Unbiased | 416.71 | 405.6 | -11.104 |
| 57 | 10 | LDR-Unbiased | 416.66 | 404.91 | -11.75 |
| 76 | 30 | LDR-Biased | 413.68 | 409.81 | -3.87 |
| 78 | 30 | LDR-Biased | 415.28 | 413.2 | -2.076 |
| 79 | 30 | LDR-Biased | 416.17 | 411.99 | -4.183 |
| 80 | 30 | LDR-Biased | 416.47 | 413.32 | -3.15 |
| 81 | 30 | LDR-Biased | 415.23 | 415.35 | 0.116 |
| 82 | 30 | LDR-Unbiased | 413.89 | 414.73 | 0.838 |
| 83 | 30 | LDR-Unbiased | 419.31 | 411.26 | -8.049 |
| 84 | 30 | LDR-Unbiased | 416.66 | 414.01 | -2.642 |
| 85 | 30 | LDR-Unbiased | 419.26 | 405.84 | -13.421 |
| 86 | 30 | LDR-Unbiased | 416.71 | 414.64 | -2.067 |
| 87 | 100 | LDR-Biased | 417.84 | 411.13 | -6.711 |
| 88 | 100 | LDR-Biased | 415.49 | 413.4 | -2.089 |
| 90 | 100 | LDR-Biased | 417.49 | 415.76 | -1.728 |
| 91 | 100 | LDR-Unbiased | 415.09 | 410.63 | -4.459 |
| 93 | 100 | LDR-Unbiased | 418.83 | 411.7 | -7.123 |
| 94 | 100 | LDR-Unbiased | 413.8 | 412.94 | -0.867 |
| 95 | 100 | LDR-Unbiased | 415.95 | 415.39 | -0.565 |
| 96 | 100 | LDR-Unbiased | 410.9 | 414.02 | 3.118 |
| 106 | 50 | LDR-Biased | 413.68 | 405.42 | -8.261 |
| 108 | 50 | LDR-Biased | 415.28 | 401.04 | -14.238 |
| 109 | 50 | LDR-Biased | 416.17 | 402.46 | -13.709 |
| 110 | 50 | LDR-Biased | 416.47 | 403.06 | -13.413 |
| 111 | 50 | LDR-Biased | 415.23 | 403.44 | -11.793 |
| 112 | 50 | LDR-Unbiased | 413.89 | 402.01 | -11.878 |
| 113 | 50 | LDR-Unbiased | 419.31 | 401.66 | -17.649 |
| 115 | 50 | LDR-Unbiased | 419.26 | 400.84 | -18.419 |
| 116 | 50 | LDR-Unbiased | 416.71 | 402.42 | -14.288 |
| 117 | 50 | LDR-Unbiased | 416.66 | 403.13 | -13.521 |

Test Statistics (V/uSec)

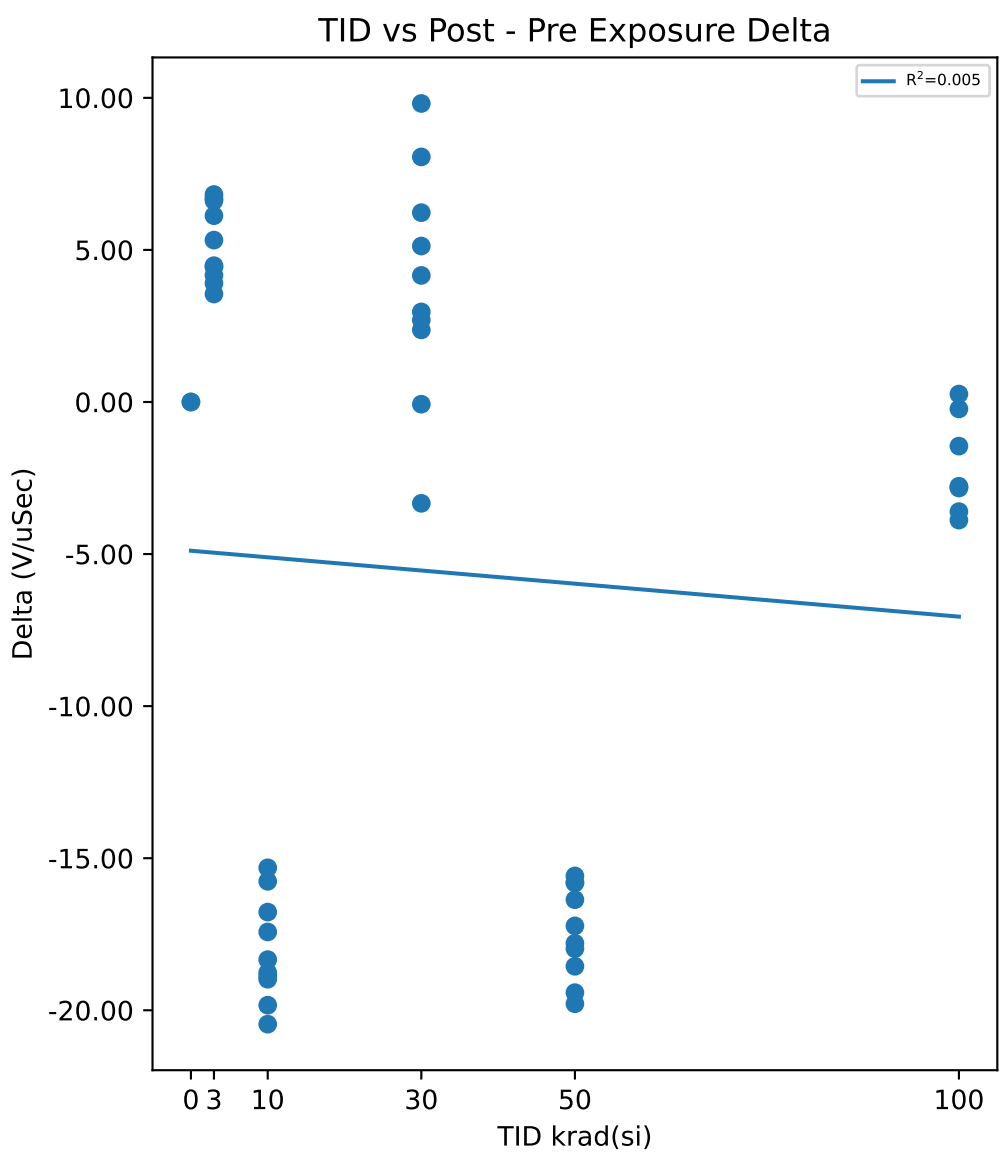
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 414.16 | 417.19 | 420.23 | 4.2964 | 414.16 | 417.19 | 420.23 | 4.2964 | 0 | 0 | 0 | 0 |
| 3 | 413.68 | 416.26 | 419.31 | 1.9155 | 417.15 | 419.89 | 425.01 | 2.3564 | -2.164 | 3.6233 | 11.336 | 3.7449 |
| 10 | 413.68 | 416.26 | 419.31 | 1.9155 | 400.74 | 403.51 | 405.6 | 1.3407 | -18.522 | -12.756 | -9.38 | 2.8074 |
| 30 | 413.68 | 416.26 | 419.31 | 1.9155 | 405.84 | 412.41 | 415.35 | 2.8764 | -13.421 | -3.8504 | 0.838 | 4.1544 |
| 50 | 413.68 | 416.26 | 419.31 | 1.9155 | 400.84 | 402.55 | 405.42 | 1.3303 | -18.419 | -13.717 | -8.261 | 2.8896 |
| 100 | 410.9 | 415.67 | 418.83 | 2.5263 | 410.63 | 413.12 | 415.76 | 1.8989 | -7.123 | -2.553 | 3.118 | 3.4155 |

# Device Test: 19.27 tsr_EN4_Rising/EN4/7/3/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

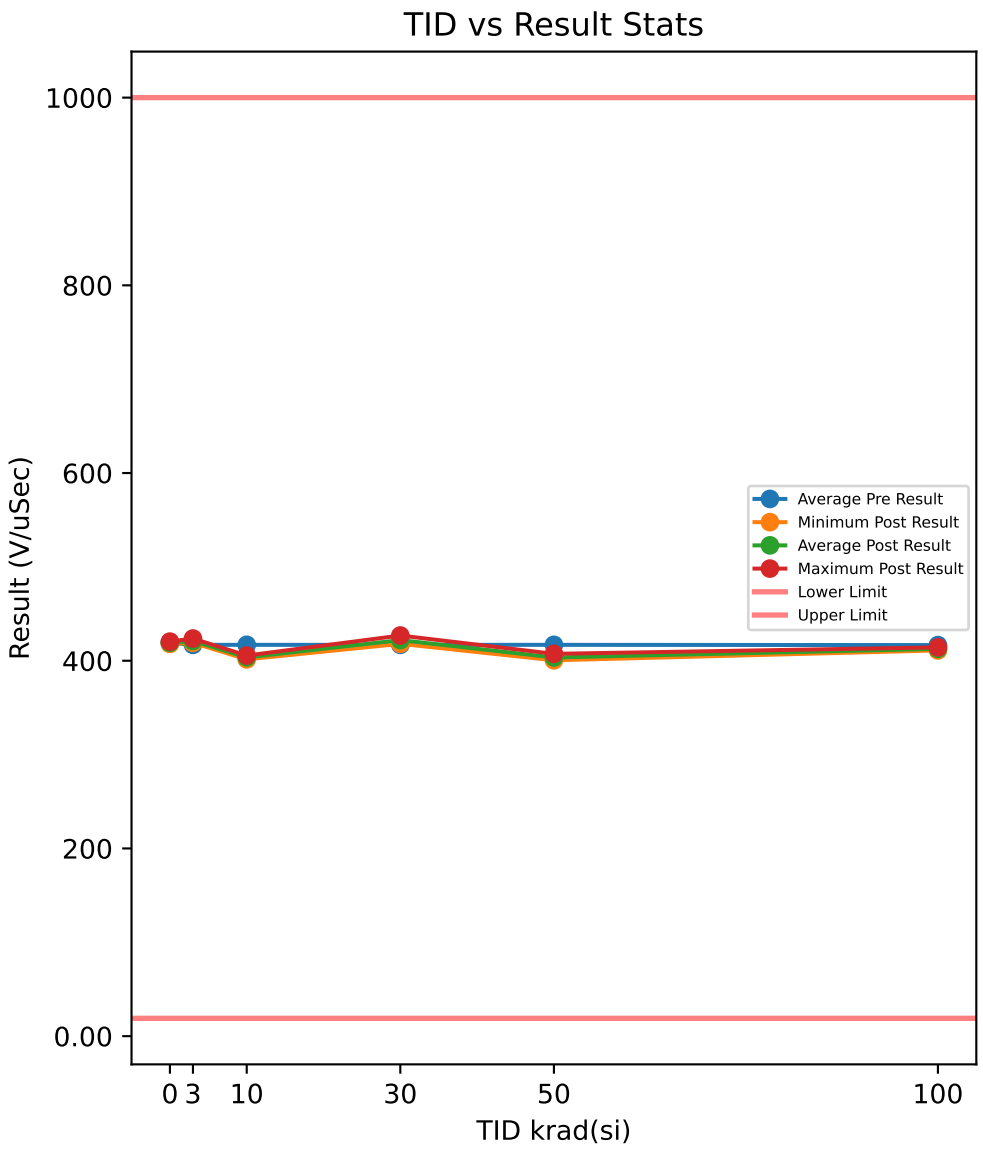
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 430.78 | 430.78 | 0 |
| 7 | 0 | Correlation | 431.49 | 431.49 | 0 |
| 16 | 3 | LDR-Biased | 426.12 | 432.94 | 6.822 |
| 18 | 3 | LDR-Biased | 426.41 | 429.96 | 3.55 |
| 19 | 3 | LDR-Biased | 425.44 | 432.06 | 6.617 |
| 20 | 3 | LDR-Biased | 430.39 | 434.56 | 4.164 |
| 21 | 3 | LDR-Biased | 428.25 | 432.69 | 4.44 |
| 22 | 3 | LDR-Unbiased | 426.5 | 431.83 | 5.323 |
| 23 | 3 | LDR-Unbiased | 427.65 | 432.13 | 4.482 |
| 25 | 3 | LDR-Unbiased | 426.91 | 430.81 | 3.901 |
| 26 | 3 | LDR-Unbiased | 426.2 | 432.32 | 6.125 |
| 27 | 3 | LDR-Unbiased | 425.99 | 432.68 | 6.694 |
| 46 | 10 | LDR-Biased | 426.12 | 410.36 | -15.76 |
| 48 | 10 | LDR-Biased | 426.41 | 406.58 | -19.833 |
| 49 | 10 | LDR-Biased | 425.44 | 410.13 | -15.316 |
| 50 | 10 | LDR-Biased | 430.39 | 412.06 | -18.334 |
| 51 | 10 | LDR-Biased | 428.25 | 409.27 | -18.979 |
| 52 | 10 | LDR-Unbiased | 426.5 | 407.75 | -18.76 |
| 53 | 10 | LDR-Unbiased | 427.65 | 408.77 | -18.878 |
| 55 | 10 | LDR-Unbiased | 426.91 | 406.45 | -20.457 |
| 56 | 10 | LDR-Unbiased | 426.2 | 409.43 | -16.772 |
| 57 | 10 | LDR-Unbiased | 425.99 | 408.56 | -17.425 |
| 76 | 30 | LDR-Biased | 426.12 | 432.34 | 6.225 |
| 78 | 30 | LDR-Biased | 426.41 | 426.34 | -0.073 |
| 79 | 30 | LDR-Biased | 425.44 | 430.57 | 5.128 |
| 80 | 30 | LDR-Biased | 430.39 | 434.55 | 4.161 |
| 81 | 30 | LDR-Biased | 428.25 | 436.3 | 8.058 |
| 82 | 30 | LDR-Unbiased | 426.5 | 429.47 | 2.962 |
| 83 | 30 | LDR-Unbiased | 427.65 | 424.32 | -3.332 |
| 84 | 30 | LDR-Unbiased | 425.99 | 435.8 | 9.815 |
| 85 | 30 | LDR-Unbiased | 426.91 | 429.28 | 2.37 |
| 86 | 30 | LDR-Unbiased | 426.2 | 428.89 | 2.696 |
| 87 | 100 | LDR-Biased | 429.42 | 425.53 | -3.884 |
| 88 | 100 | LDR-Biased | 425.9 | 425.67 | -0.229 |
| 90 | 100 | LDR-Biased | 425.2 | 425.46 | 0.261 |
| 91 | 100 | LDR-Unbiased | 427 | 424.23 | -2.771 |
| 93 | 100 | LDR-Unbiased | 427.34 | 423.73 | -3.605 |
| 94 | 100 | LDR-Unbiased | 425.98 | 424.52 | -1.451 |
| 95 | 100 | LDR-Unbiased | 429.18 | 426.35 | -2.829 |
| 96 | 100 | LDR-Unbiased | 427.72 | 424.92 | -2.797 |
| 106 | 50 | LDR-Biased | 426.12 | 409.75 | -16.364 |
| 108 | 50 | LDR-Biased | 426.41 | 408.44 | -17.975 |
| 109 | 50 | LDR-Biased | 425.44 | 407.65 | -17.796 |
| 110 | 50 | LDR-Biased | 430.39 | 410.61 | -19.786 |
| 111 | 50 | LDR-Biased | 428.25 | 409.69 | -18.554 |
| 112 | 50 | LDR-Unbiased | 426.5 | 409.28 | -17.226 |
| 113 | 50 | LDR-Unbiased | 427.65 | 408.23 | -19.42 |
| 115 | 50 | LDR-Unbiased | 426.91 | 411.09 | -15.815 |
| 116 | 50 | LDR-Unbiased | 426.2 | 410.62 | -15.583 |
| 117 | 50 | LDR-Unbiased | 425.99 | 410.19 | -15.795 |

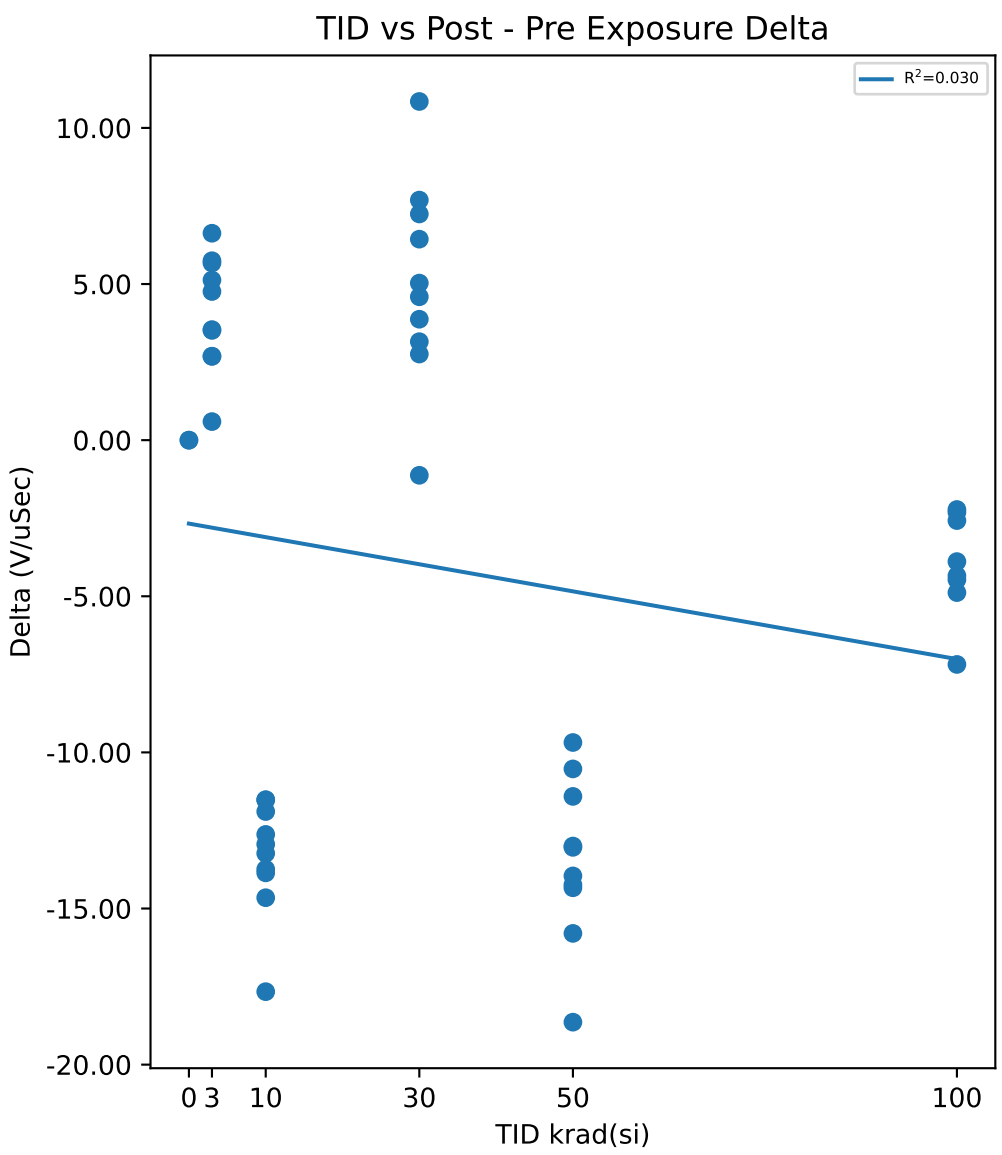



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 430.78 | 431.14 | 431.49 | 0.49922 | 430.78 | 431.14 | 431.49 | 0.49922 | 0 | 0 | 0 | 0 |
| 3 | 425.44 | 426.99 | 430.39 | 1.451 | 429.96 | 432.2 | 434.56 | 1.2329 | 3.55 | 5.2118 | 6.822 | 1.2612 |
| 10 | 425.44 | 426.99 | 430.39 | 1.451 | 406.45 | 408.93 | 412.06 | 1.727 | -20.457 | -18.051 | -15.316 | 1.6947 |
| 30 | 425.44 | 426.99 | 430.39 | 1.451 | 424.32 | 430.79 | 436.3 | 3.9646 | -3.332 | 3.801 | 9.815 | 3.8285 |
| 50 | 425.44 | 426.99 | 430.39 | 1.451 | 407.65 | 409.55 | 411.09 | 1.144 | -19.786 | -17.431 | -15.583 | 1.5303 |
| 100 | 425.2 | 427.22 | 429.42 | 1.5268 | 423.73 | 425.05 | 426.35 | 0.86053 | -3.884 | -2.1631 | 0.261 | 1.5297 |

# Device Test: 19.28 tsr_PWRGD_Rising/PWRGD/7/3/0/0/0/@PWRGD_SLEW_RATE_RISE



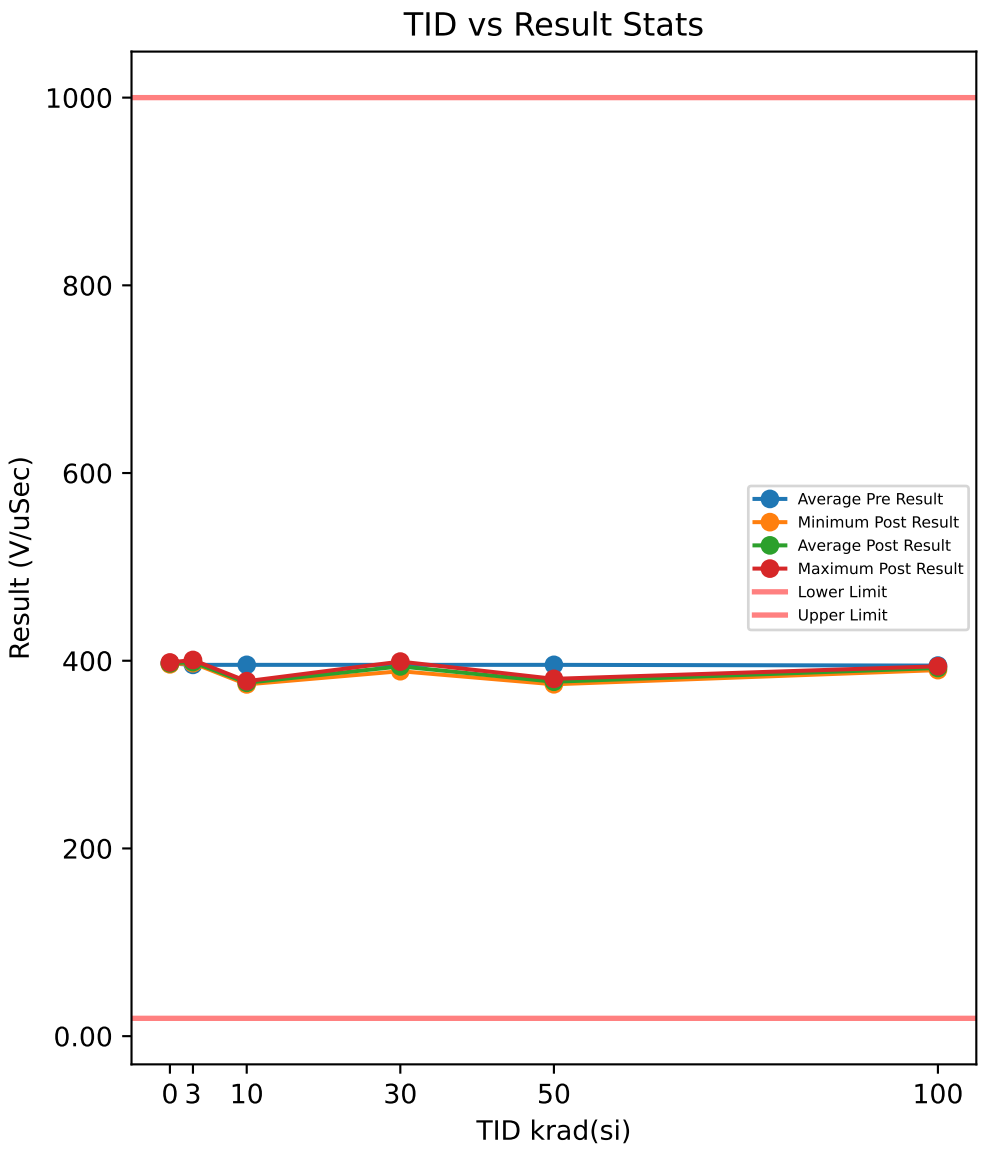

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

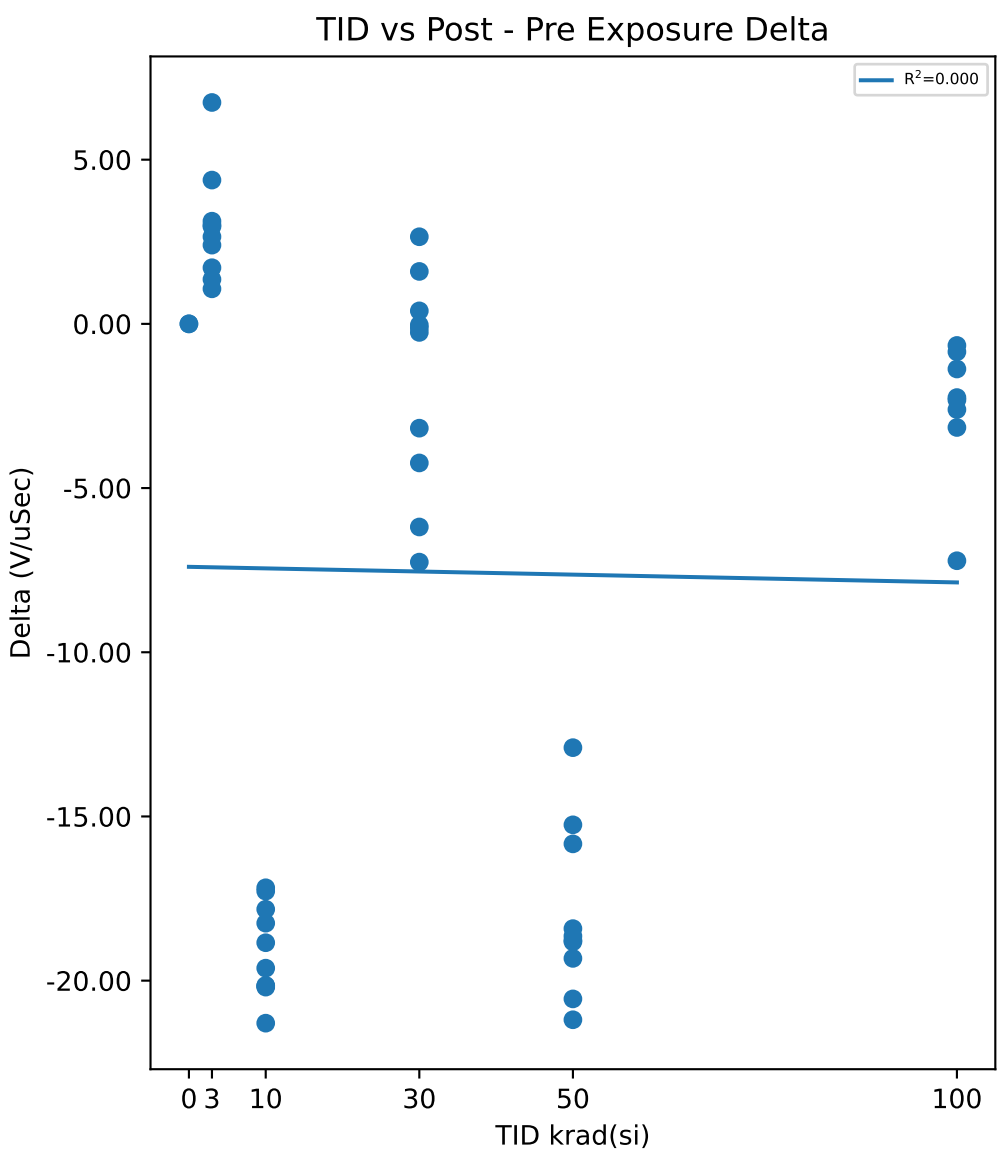
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 417.95 | 417.95 | 0 |
| 7 | 0 | Correlation | 420.36 | 420.36 | 0 |
| 16 | 3 | LDR-Biased | 416.08 | 421.21 | 5.128 |
| 18 | 3 | LDR-Biased | 416.46 | 419.97 | 3.515 |
| 19 | 3 | LDR-Biased | 416.39 | 419.08 | 2.685 |
| 20 | 3 | LDR-Biased | 417.05 | 423.67 | 6.627 |
| 21 | 3 | LDR-Biased | 418.3 | 423.06 | 4.761 |
| 22 | 3 | LDR-Unbiased | 416.03 | 421.78 | 5.747 |
| 23 | 3 | LDR-Unbiased | 417.2 | 419.89 | 2.689 |
| 25 | 3 | LDR-Unbiased | 419.14 | 419.74 | 0.595 |
| 26 | 3 | LDR-Unbiased | 415.47 | 421.14 | 5.674 |
| 27 | 3 | LDR-Unbiased | 417.29 | 420.83 | 3.541 |
| 46 | 10 | LDR-Biased | 416.08 | 404.19 | -11.894 |
| 48 | 10 | LDR-Biased | 416.46 | 402.71 | -13.742 |
| 49 | 10 | LDR-Biased | 416.39 | 403.45 | -12.942 |
| 50 | 10 | LDR-Biased | 417.05 | 405.53 | -11.521 |
| 51 | 10 | LDR-Biased | 418.3 | 405.06 | -13.232 |
| 52 | 10 | LDR-Unbiased | 416.03 | 404.51 | -11.516 |
| 53 | 10 | LDR-Unbiased | 417.2 | 402.55 | -14.654 |
| 55 | 10 | LDR-Unbiased | 419.14 | 401.48 | -17.663 |
| 56 | 10 | LDR-Unbiased | 415.47 | 402.84 | -12.627 |
| 57 | 10 | LDR-Unbiased | 417.29 | 403.43 | -13.858 |
| 76 | 30 | LDR-Biased | 416.08 | 420.67 | 4.592 |
| 78 | 30 | LDR-Biased | 416.46 | 424.14 | 7.689 |
| 79 | 30 | LDR-Biased | 416.39 | 422.83 | 6.437 |
| 80 | 30 | LDR-Biased | 417.05 | 420.92 | 3.873 |
| 81 | 30 | LDR-Biased | 418.3 | 423.32 | 5.03 |
| 82 | 30 | LDR-Unbiased | 416.03 | 426.88 | 10.847 |
| 83 | 30 | LDR-Unbiased | 417.2 | 419.96 | 2.758 |
| 84 | 30 | LDR-Unbiased | 417.29 | 420.45 | 3.154 |
| 85 | 30 | LDR-Unbiased | 419.14 | 418.02 | -1.125 |
| 86 | 30 | LDR-Unbiased | 415.47 | 422.71 | 7.244 |
| 87 | 100 | LDR-Biased | 419.4 | 412.21 | -7.183 |
| 88 | 100 | LDR-Biased | 414.96 | 412.39 | -2.576 |
| 90 | 100 | LDR-Biased | 415.15 | 412.84 | -2.311 |
| 91 | 100 | LDR-Unbiased | 415.89 | 411.01 | -4.882 |
| 93 | 100 | LDR-Unbiased | 417.22 | 413.33 | -3.889 |
| 94 | 100 | LDR-Unbiased | 416.48 | 414.25 | -2.221 |
| 95 | 100 | LDR-Unbiased | 417.61 | 413.26 | -4.342 |
| 96 | 100 | LDR-Unbiased | 416.74 | 412.27 | -4.468 |
| 106 | 50 | LDR-Biased | 416.08 | 405.55 | -10.529 |
| 108 | 50 | LDR-Biased | 416.46 | 403.46 | -12.999 |
| 109 | 50 | LDR-Biased | 416.39 | 402.16 | -14.238 |
| 110 | 50 | LDR-Biased | 417.05 | 407.36 | -9.683 |
| 111 | 50 | LDR-Biased | 418.3 | 403.96 | -14.336 |
| 112 | 50 | LDR-Unbiased | 416.03 | 404.62 | -11.409 |
| 113 | 50 | LDR-Unbiased | 417.2 | 401.4 | -15.797 |
| 115 | 50 | LDR-Unbiased | 419.14 | 400.5 | -18.64 |
| 116 | 50 | LDR-Unbiased | 415.47 | 402.43 | -13.041 |
| 117 | 50 | LDR-Unbiased | 417.29 | 403.34 | -13.956 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 417.95 | 419.15 | 420.36 | 1.7034 | 417.95 | 419.15 | 420.36 | 1.7034 | 0 | 0 | 0 | 0 |
| 3 | 415.47 | 416.94 | 419.14 | 1.1134 | 419.08 | 421.04 | 423.67 | 1.4769 | 0.595 | 4.0962 | 6.627 | 1.8258 |
| 10 | 415.47 | 416.94 | 419.14 | 1.1134 | 401.48 | 403.58 | 405.53 | 1.249 | -17.663 | -13.365 | -11.516 | 1.8331 |
| 30 | 415.47 | 416.94 | 419.14 | 1.1134 | 418.02 | 421.99 | 426.88 | 2.5105 | -1.125 | 5.0499 | 10.847 | 3.264 |
| 50 | 415.47 | 416.94 | 419.14 | 1.1134 | 400.5 | 403.48 | 407.36 | 2.0265 | -18.64 | -13.463 | -9.683 | 2.6112 |
| 100 | 414.96 | 416.68 | 419.4 | 1.439 | 411.01 | 412.7 | 414.25 | 0.96657 | -7.183 | -3.984 | -2.221 | 1.6605 |

# Device Test: 19.29 tsr_SEQ_Rising/SEQ_DONE/7/3/0/0/0/@SEQ_DONE_SLEW_RATE_RISE



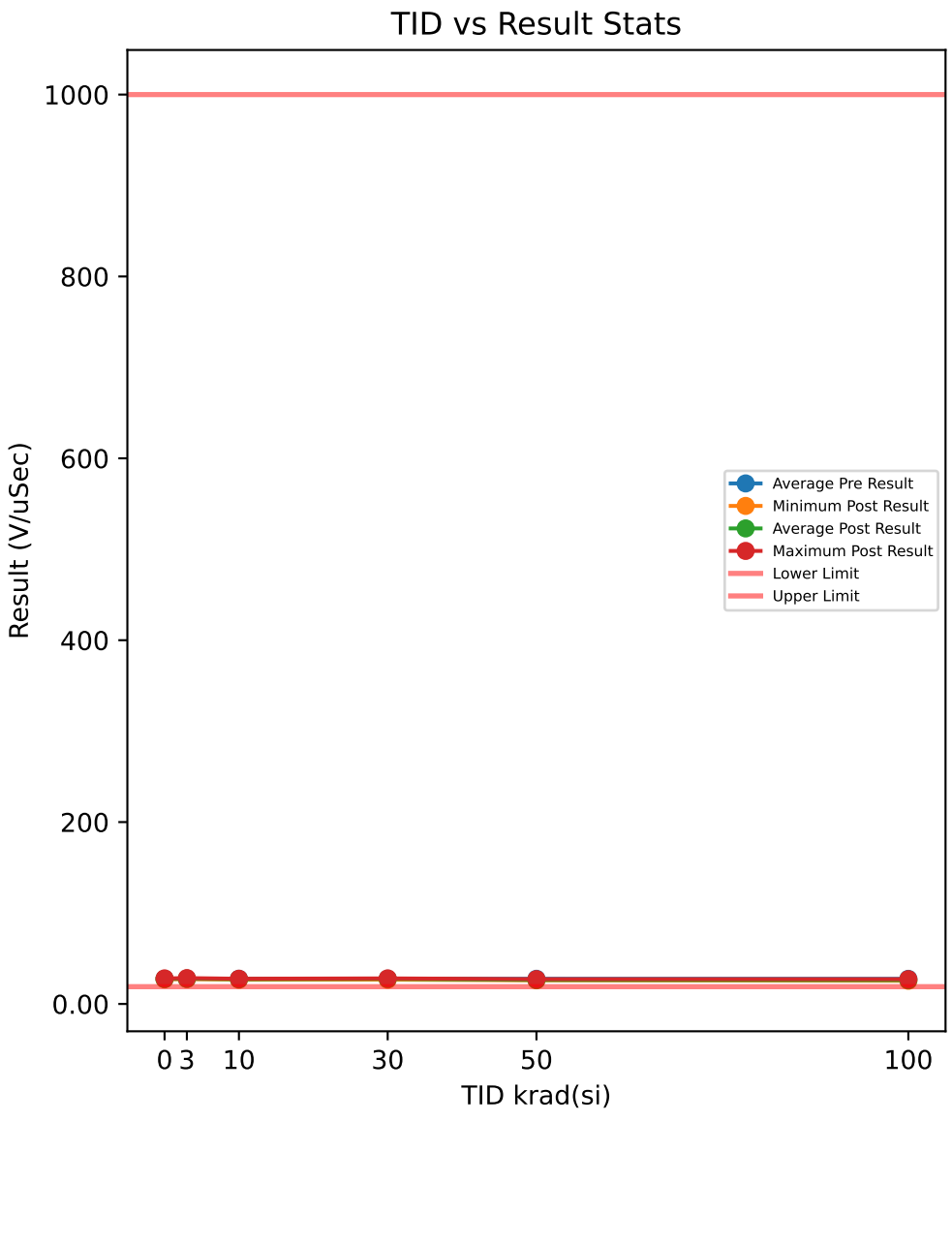

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

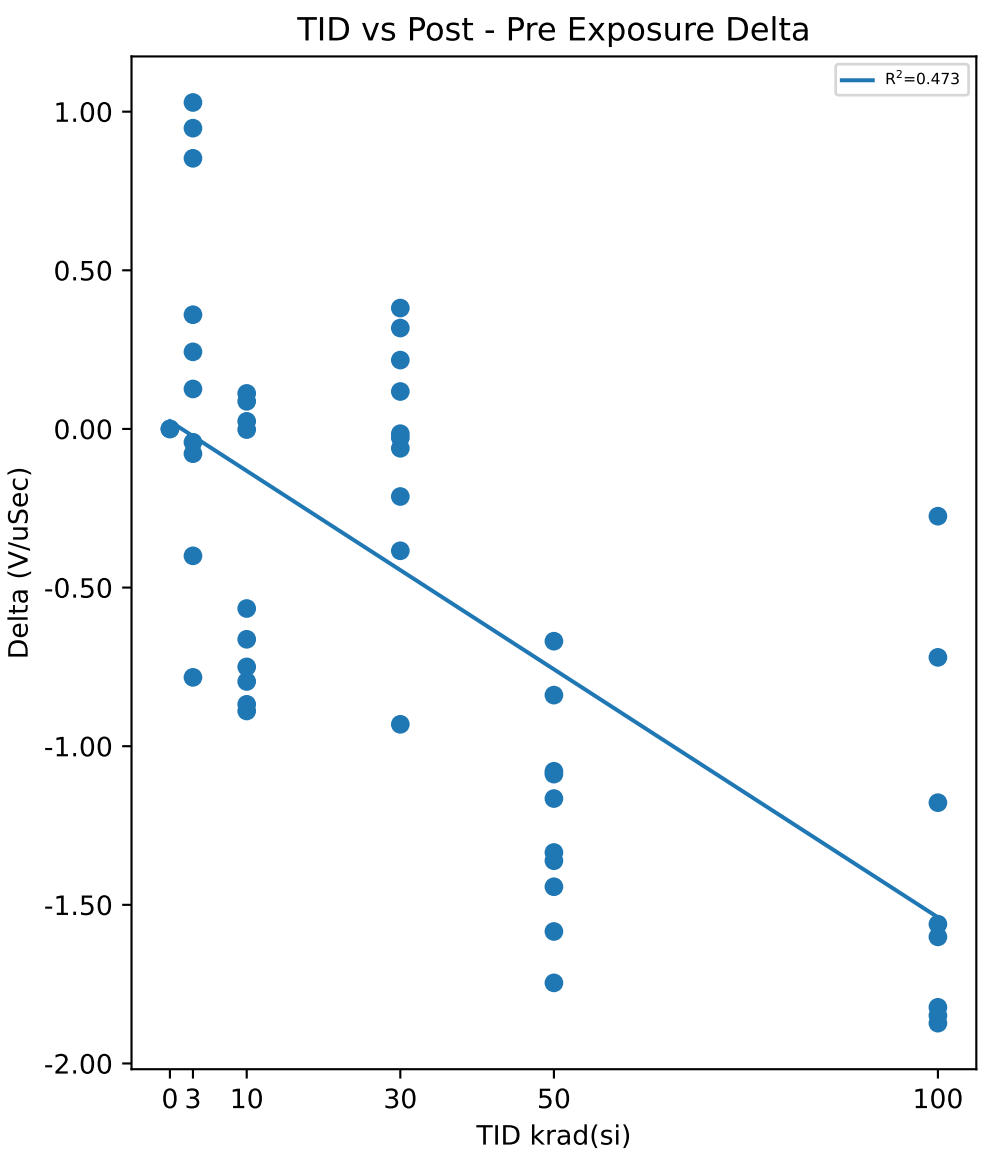
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 396.16 | 396.16 | 0 |
| 7 | 0 | Correlation | 398.19 | 398.19 | 0 |
| 16 | 3 | LDR-Biased | 395.08 | 397.74 | 2.654 |
| 18 | 3 | LDR-Biased | 395.7 | 398.71 | 3.011 |
| 19 | 3 | LDR-Biased | 394.87 | 398 | 3.127 |
| 20 | 3 | LDR-Biased | 396.45 | 400.83 | 4.379 |
| 21 | 3 | LDR-Biased | 396.86 | 399.26 | 2.398 |
| 22 | 3 | LDR-Unbiased | 393.62 | 400.36 | 6.742 |
| 23 | 3 | LDR-Unbiased | 396.32 | 397.38 | 1.067 |
| 25 | 3 | LDR-Unbiased | 396.1 | 397.81 | 1.71 |
| 26 | 3 | LDR-Unbiased | 396.73 | 398.09 | 1.355 |
| 27 | 3 | LDR-Unbiased | 394.47 | 397.43 | 2.964 |
| 46 | 10 | LDR-Biased | 395.08 | 377.26 | -17.826 |
| 48 | 10 | LDR-Biased | 395.7 | 376.08 | -19.62 |
| 49 | 10 | LDR-Biased | 394.87 | 376.03 | -18.845 |
| 50 | 10 | LDR-Biased | 396.45 | 378.2 | -18.25 |
| 51 | 10 | LDR-Biased | 396.86 | 376.7 | -20.163 |
| 52 | 10 | LDR-Unbiased | 393.62 | 376.35 | -17.274 |
| 53 | 10 | LDR-Unbiased | 396.32 | 376.17 | -20.147 |
| 55 | 10 | LDR-Unbiased | 396.1 | 374.8 | -21.295 |
| 56 | 10 | LDR-Unbiased | 396.73 | 376.54 | -20.197 |
| 57 | 10 | LDR-Unbiased | 394.47 | 377.29 | -17.172 |
| 76 | 30 | LDR-Biased | 395.08 | 395.48 | 0.396 |
| 78 | 30 | LDR-Biased | 395.7 | 395.67 | -0.032 |
| 79 | 30 | LDR-Biased | 394.87 | 390.64 | -4.235 |
| 80 | 30 | LDR-Biased | 396.45 | 399.1 | 2.653 |
| 81 | 30 | LDR-Biased | 396.86 | 393.69 | -3.176 |
| 82 | 30 | LDR-Unbiased | 393.62 | 393.36 | -0.26 |
| 83 | 30 | LDR-Unbiased | 396.32 | 390.13 | -6.185 |
| 84 | 30 | LDR-Unbiased | 394.47 | 396.06 | 1.597 |
| 85 | 30 | LDR-Unbiased | 396.1 | 388.84 | -7.255 |
| 86 | 30 | LDR-Unbiased | 396.73 | 396.61 | -0.124 |
| 87 | 100 | LDR-Biased | 393.8 | 391.48 | -2.317 |
| 88 | 100 | LDR-Biased | 394.85 | 394 | -0.85 |
| 90 | 100 | LDR-Biased | 395.24 | 393 | -2.244 |
| 91 | 100 | LDR-Unbiased | 393.71 | 391.1 | -2.609 |
| 93 | 100 | LDR-Unbiased | 397.22 | 390.01 | -7.213 |
| 94 | 100 | LDR-Unbiased | 394.76 | 394.1 | -0.657 |
| 95 | 100 | LDR-Unbiased | 393.82 | 390.66 | -3.155 |
| 96 | 100 | LDR-Unbiased | 395.39 | 394.02 | -1.374 |
| 106 | 50 | LDR-Biased | 395.08 | 379.83 | -15.255 |
| 108 | 50 | LDR-Biased | 395.7 | 379.87 | -15.835 |
| 109 | 50 | LDR-Biased | 394.87 | 376.46 | -18.416 |
| 110 | 50 | LDR-Biased | 396.45 | 377.67 | -18.774 |
| 111 | 50 | LDR-Biased | 396.86 | 378.22 | -18.644 |
| 112 | 50 | LDR-Unbiased | 393.62 | 380.71 | -12.905 |
| 113 | 50 | LDR-Unbiased | 396.32 | 376.99 | -19.322 |
| 115 | 50 | LDR-Unbiased | 396.1 | 374.91 | -21.191 |
| 116 | 50 | LDR-Unbiased | 396.73 | 376.18 | -20.556 |
| 117 | 50 | LDR-Unbiased | 394.47 | 375.65 | -18.815 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 396.16 | 397.17 | 398.19 | 1.4312 | 396.16 | 397.17 | 398.19 | 1.4312 | 0 | 0 | 0 | 0 |
| 3 | 393.62 | 395.62 | 396.86 | 1.073 | 397.38 | 398.56 | 400.83 | 1.2175 | 1.067 | 2.9407 | 6.742 | 1.6491 |
| 10 | 393.62 | 395.62 | 396.86 | 1.073 | 374.8 | 376.54 | 378.2 | 0.91399 | -21.295 | -19.079 | -17.172 | 1.4133 |
| 30 | 393.62 | 395.62 | 396.86 | 1.073 | 388.84 | 393.96 | 399.1 | 3.2559 | -7.255 | -1.6621 | 2.653 | 3.3519 |
| 50 | 393.62 | 395.62 | 396.86 | 1.073 | 374.91 | 377.65 | 380.71 | 1.9697 | -21.191 | -17.971 | -12.905 | 2.5492 |
| 100 | 393.71 | 394.85 | 397.22 | 1.1679 | 390.01 | 392.3 | 394.1 | 1.6738 | -7.213 | -2.5524 | -0.657 | 2.0742 |

# Device Test: 19.3 tsr_EN4_Rising/EN4/1.6/3/0/0/0/@EN_SLEW_RATE_RISE



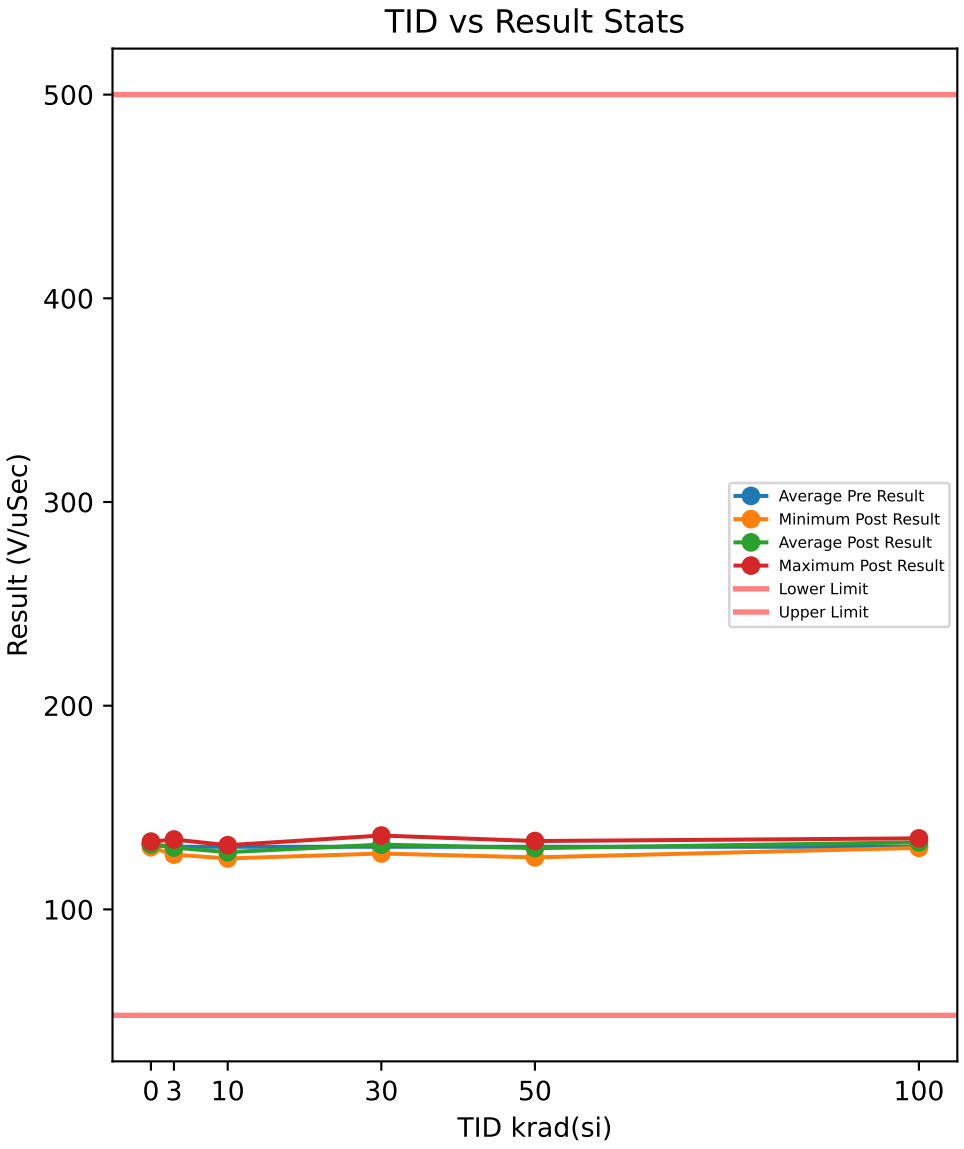

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

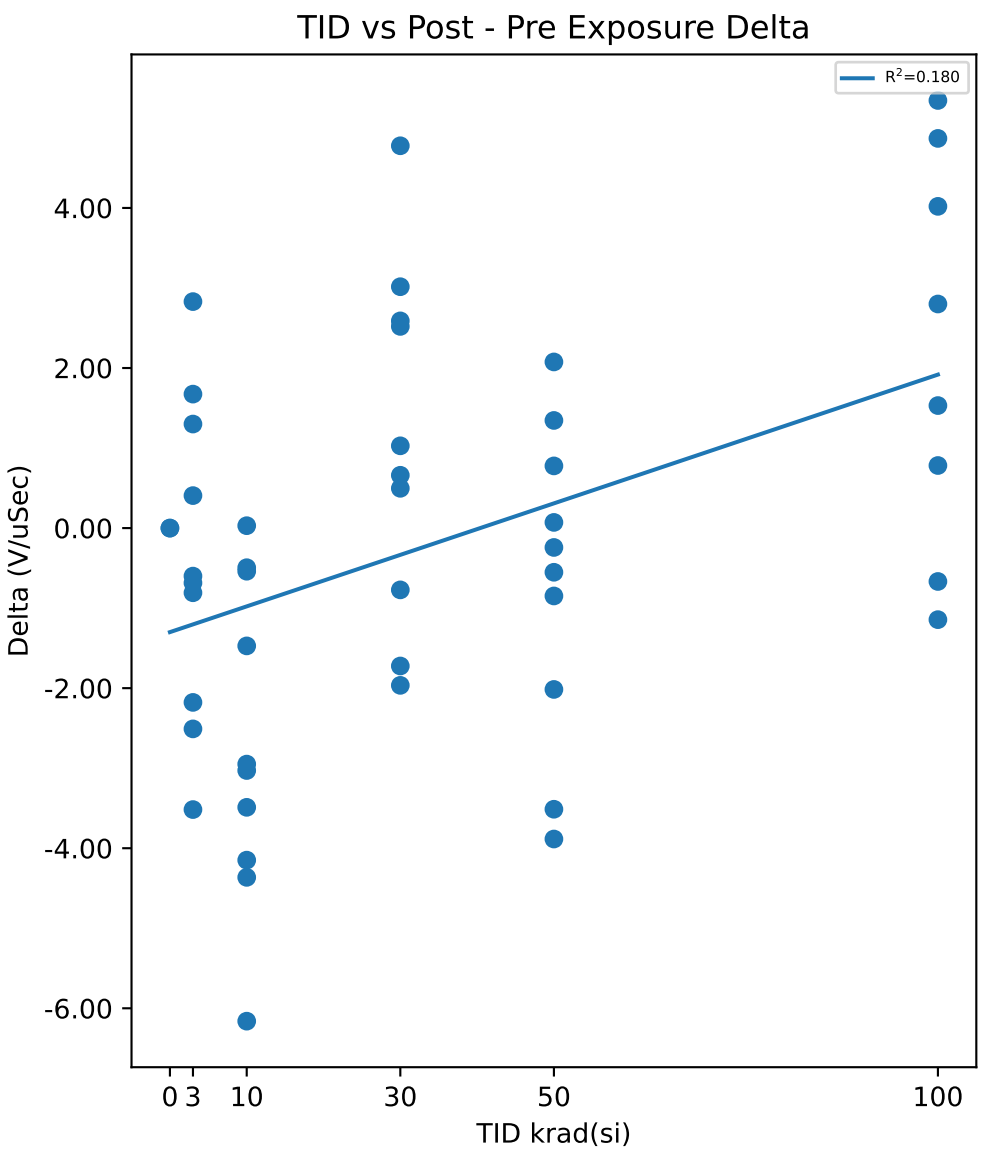
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 27.067 | 27.067 | 0 |
| 7 | 0 | Correlation | 28.109 | 28.109 | 0 |
| 16 | 3 | LDR-Biased | 28.143 | 27.36 | -0.783 |
| 18 | 3 | LDR-Biased | 27.646 | 27.604 | -0.042 |
| 19 | 3 | LDR-Biased | 27.6 | 27.843 | 0.243 |
| 20 | 3 | LDR-Biased | 27.727 | 28.087 | 0.36 |
| 21 | 3 | LDR-Biased | 27.962 | 27.562 | -0.4 |
| 22 | 3 | LDR-Unbiased | 27.212 | 28.241 | 1.029 |
| 23 | 3 | LDR-Unbiased | 27.569 | 27.491 | -0.078 |
| 25 | 3 | LDR-Unbiased | 27.341 | 28.194 | 0.853 |
| 26 | 3 | LDR-Unbiased | 27.858 | 27.984 | 0.126 |
| 27 | 3 | LDR-Unbiased | 27.5 | 28.448 | 0.948 |
| 46 | 10 | LDR-Biased | 28.143 | 27.48 | -0.663 |
| 48 | 10 | LDR-Biased | 27.646 | 27.733 | 0.087 |
| 49 | 10 | LDR-Biased | 27.6 | 27.598 | -0.002 |
| 50 | 10 | LDR-Biased | 27.727 | 26.977 | -0.75 |
| 51 | 10 | LDR-Biased | 27.962 | 27.396 | -0.566 |
| 52 | 10 | LDR-Unbiased | 27.212 | 27.236 | 0.024 |
| 53 | 10 | LDR-Unbiased | 27.569 | 26.68 | -0.889 |
| 55 | 10 | LDR-Unbiased | 27.341 | 27.453 | 0.112 |
| 56 | 10 | LDR-Unbiased | 27.858 | 27.062 | -0.796 |
| 57 | 10 | LDR-Unbiased | 27.5 | 26.632 | -0.868 |
| 76 | 30 | LDR-Biased | 28.143 | 28.115 | -0.028 |
| 78 | 30 | LDR-Biased | 27.646 | 26.715 | -0.931 |
| 79 | 30 | LDR-Biased | 27.6 | 27.718 | 0.118 |
| 80 | 30 | LDR-Biased | 27.727 | 28.045 | 0.318 |
| 81 | 30 | LDR-Biased | 27.962 | 27.901 | -0.061 |
| 82 | 30 | LDR-Unbiased | 27.212 | 27.197 | -0.015 |
| 83 | 30 | LDR-Unbiased | 27.569 | 27.786 | 0.217 |
| 84 | 30 | LDR-Unbiased | 27.5 | 27.881 | 0.381 |
| 85 | 30 | LDR-Unbiased | 27.341 | 27.128 | -0.213 |
| 86 | 30 | LDR-Unbiased | 27.858 | 27.474 | -0.384 |
| 87 | 100 | LDR-Biased | 27.568 | 26.007 | -1.561 |
| 88 | 100 | LDR-Biased | 27.794 | 27.074 | -0.72 |
| 90 | 100 | LDR-Biased | 27.536 | 27.261 | -0.275 |
| 91 | 100 | LDR-Unbiased | 27.42 | 25.819 | -1.601 |
| 93 | 100 | LDR-Unbiased | 27.344 | 25.521 | -1.823 |
| 94 | 100 | LDR-Unbiased | 27.827 | 25.978 | -1.849 |
| 95 | 100 | LDR-Unbiased | 27.795 | 25.922 | -1.873 |
| 96 | 100 | LDR-Unbiased | 27.547 | 26.369 | -1.178 |
| 106 | 50 | LDR-Biased | 28.143 | 26.397 | -1.746 |
| 108 | 50 | LDR-Biased | 27.646 | 26.481 | -1.165 |
| 109 | 50 | LDR-Biased | 27.6 | 26.265 | -1.335 |
| 110 | 50 | LDR-Biased | 27.727 | 26.366 | -1.361 |
| 111 | 50 | LDR-Biased | 27.962 | 27.293 | -0.669 |
| 112 | 50 | LDR-Unbiased | 27.212 | 26.133 | -1.079 |
| 113 | 50 | LDR-Unbiased | 27.569 | 25.985 | -1.584 |
| 115 | 50 | LDR-Unbiased | 27.341 | 26.253 | -1.088 |
| 116 | 50 | LDR-Unbiased | 27.858 | 26.415 | -1.443 |
| 117 | 50 | LDR-Unbiased | 27.5 | 26.661 | -0.839 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 27.067 | 27.588 | 28.109 | 0.73681 | 27.067 | 27.588 | 28.109 | 0.73681 | 0 | 0 | 0 | 0 |
| 3 | 27.212 | 27.656 | 28.143 | 0.28051 | 27.36 | 27.881 | 28.448 | 0.366 | -0.783 | 0.2256 | 1.029 | 0.5927 |
| 10 | 27.212 | 27.656 | 28.143 | 0.28051 | 26.632 | 27.225 | 27.733 | 0.37717 | -0.889 | -0.4311 | 0.112 | 0.42973 |
| 30 | 27.212 | 27.656 | 28.143 | 0.28051 | 26.715 | 27.596 | 28.115 | 0.45527 | -0.931 | -0.0598 | 0.381 | 0.38526 |
| 50 | 27.212 | 27.656 | 28.143 | 0.28051 | 25.985 | 26.425 | 27.293 | 0.35756 | -1.746 | -1.2309 | -0.669 | 0.32997 |
| 100 | 27.344 | 27.604 | 27.827 | 0.18242 | 25.521 | 26.244 | 27.261 | 0.61792 | -1.873 | -1.36 | -0.275 | 0.58981 |

# Device Test: 19.30 tsr_EN1_Falling/EN1/7/3/0/0/0/@EN_SLEW_RATE_FALL



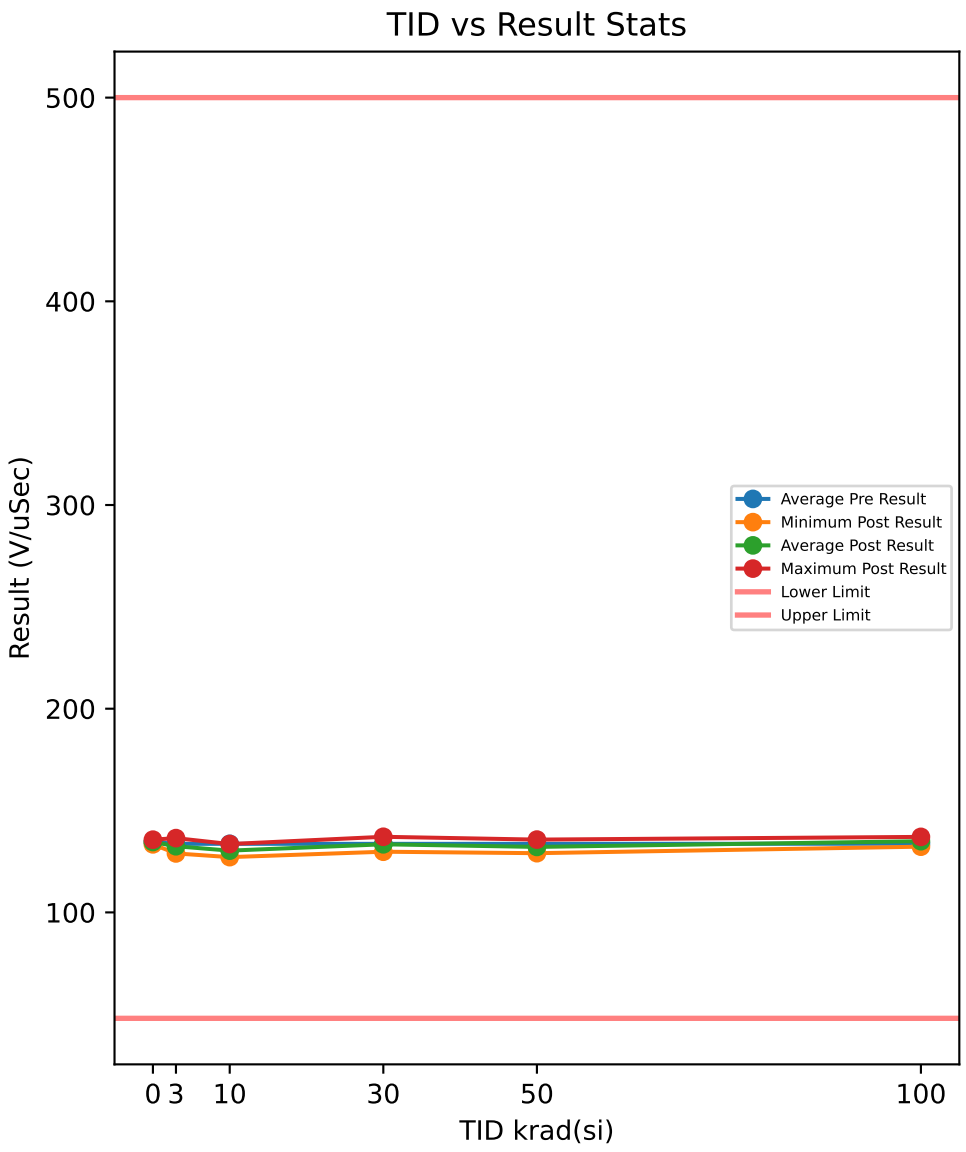

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 130.53 | 130.53 | 0 |
| 7 | 0 | Correlation | 133.28 | 133.28 | 0 |
| 16 | 3 | LDR-Biased | 132.33 | 131.52 | -0.808 |
| 18 | 3 | LDR-Biased | 129.82 | 131.5 | 1.674 |
| 19 | 3 | LDR-Biased | 130.93 | 128.75 | -2.178 |
| 20 | 3 | LDR-Biased | 129.1 | 129.51 | 0.406 |
| 21 | 3 | LDR-Biased | 129.41 | 126.91 | -2.509 |
| 22 | 3 | LDR-Unbiased | 131.35 | 130.75 | -0.6 |
| 23 | 3 | LDR-Unbiased | 131.74 | 131.06 | -0.685 |
| 25 | 3 | LDR-Unbiased | 131.49 | 134.32 | 2.83 |
| 26 | 3 | LDR-Unbiased | 130.16 | 131.46 | 1.3 |
| 27 | 3 | LDR-Unbiased | 131.18 | 127.66 | -3.517 |
| 46 | 10 | LDR-Biased | 132.33 | 129.38 | -2.949 |
| 48 | 10 | LDR-Biased | 129.82 | 129.33 | -0.495 |
| 49 | 10 | LDR-Biased | 130.93 | 126.78 | -4.149 |
| 50 | 10 | LDR-Biased | 129.1 | 127.63 | -1.472 |
| 51 | 10 | LDR-Biased | 129.41 | 125.05 | -4.364 |
| 52 | 10 | LDR-Unbiased | 131.35 | 128.32 | -3.029 |
| 53 | 10 | LDR-Unbiased | 131.74 | 128.25 | -3.489 |
| 55 | 10 | LDR-Unbiased | 131.49 | 131.52 | 0.03 |
| 56 | 10 | LDR-Unbiased | 130.16 | 129.62 | -0.539 |
| 57 | 10 | LDR-Unbiased | 131.18 | 125.02 | -6.161 |
| 76 | 30 | LDR-Biased | 132.33 | 132.82 | 0.497 |
| 78 | 30 | LDR-Biased | 129.82 | 132.34 | 2.52 |
| 79 | 30 | LDR-Biased | 130.93 | 130.16 | -0.772 |
| 80 | 30 | LDR-Biased | 129.1 | 131.69 | 2.589 |
| 81 | 30 | LDR-Biased | 129.41 | 127.45 | -1.965 |
| 82 | 30 | LDR-Unbiased | 131.35 | 132.38 | 1.028 |
| 83 | 30 | LDR-Unbiased | 131.74 | 132.4 | 0.66 |
| 84 | 30 | LDR-Unbiased | 131.18 | 129.45 | -1.723 |
| 85 | 30 | LDR-Unbiased | 131.49 | 136.26 | 4.777 |
| 86 | 30 | LDR-Unbiased | 130.16 | 133.17 | 3.016 |
| 87 | 100 | LDR-Biased | 129.62 | 134.49 | 4.869 |
| 88 | 100 | LDR-Biased | 131.74 | 130.59 | -1.144 |
| 90 | 100 | LDR-Biased | 129.43 | 130.21 | 0.782 |
| 91 | 100 | LDR-Unbiased | 130.86 | 134.88 | 4.02 |
| 93 | 100 | LDR-Unbiased | 128.78 | 134.13 | 5.343 |
| 94 | 100 | LDR-Unbiased | 132.7 | 132.03 | -0.667 |
| 95 | 100 | LDR-Unbiased | 132.13 | 133.66 | 1.531 |
| 96 | 100 | LDR-Unbiased | 130.64 | 133.44 | 2.8 |
| 106 | 50 | LDR-Biased | 132.33 | 132.08 | -0.242 |
| 108 | 50 | LDR-Biased | 129.82 | 130.6 | 0.777 |
| 109 | 50 | LDR-Biased | 130.93 | 128.91 | -2.016 |
| 110 | 50 | LDR-Biased | 129.1 | 129.17 | 0.071 |
| 111 | 50 | LDR-Biased | 129.41 | 125.53 | -3.885 |
| 112 | 50 | LDR-Unbiased | 131.35 | 130.8 | -0.552 |
| 113 | 50 | LDR-Unbiased | 131.74 | 130.89 | -0.848 |
| 115 | 50 | LDR-Unbiased | 131.49 | 133.56 | 2.076 |
| 116 | 50 | LDR-Unbiased | 130.16 | 131.5 | 1.345 |
| 117 | 50 | LDR-Unbiased | 131.18 | 127.66 | -3.513 |

Test Statistics (V/uSec)

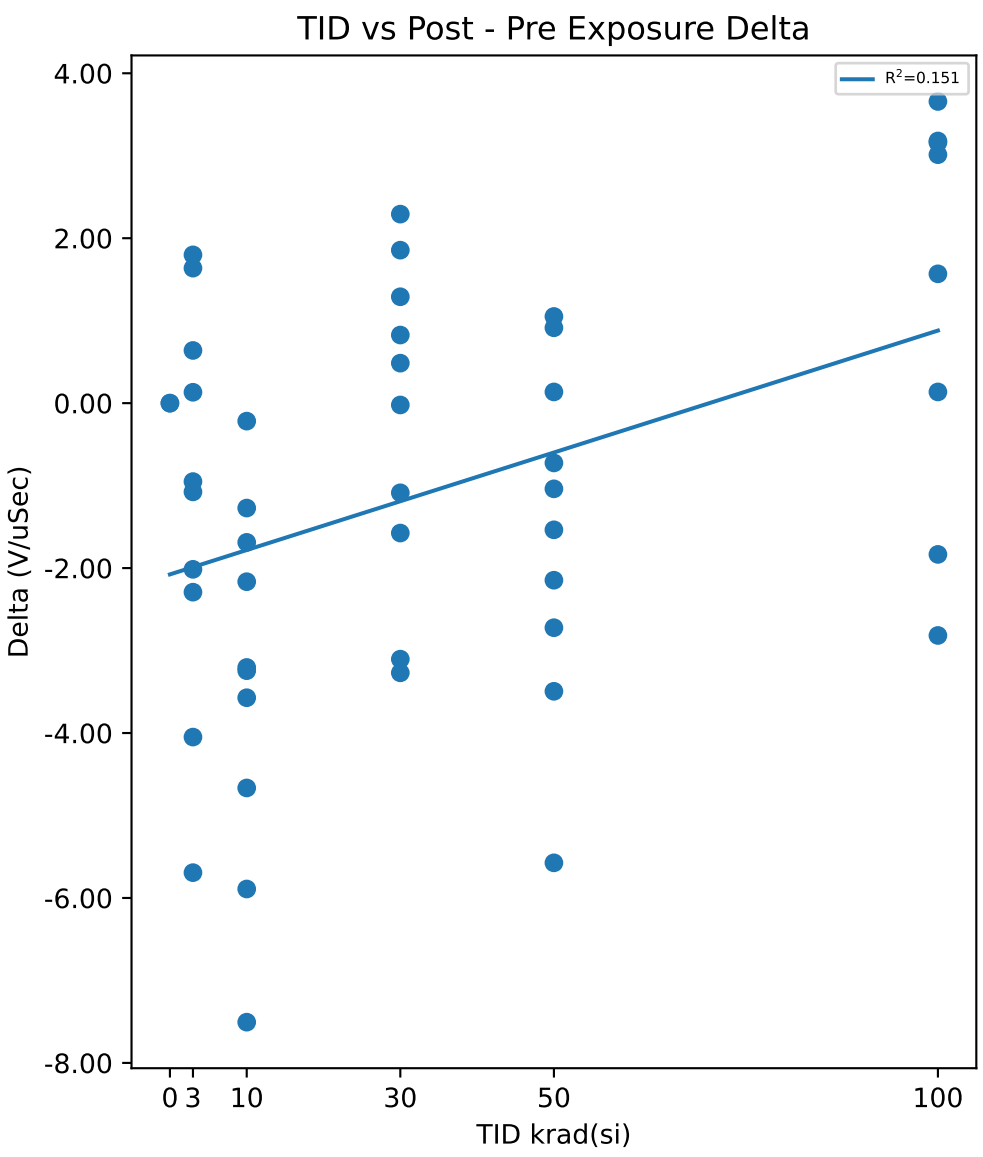
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 130.53 | 131.91 | 133.28 | 1.9403 | 130.53 | 131.91 | 133.28 | 1.9403 | 0 | 0 | 0 | 0 |
| 3 | 129.1 | 130.75 | 132.33 | 1.0695 | 126.91 | 130.34 | 134.32 | 2.1771 | -3.517 | -0.4087 | 2.83 | 1.9968 |
| 10 | 129.1 | 130.75 | 132.33 | 1.0695 | 125.02 | 128.09 | 131.52 | 2.0537 | -6.161 | -2.6617 | 0.03 | 2.0033 |
| 30 | 129.1 | 130.75 | 132.33 | 1.0695 | 127.45 | 131.81 | 136.26 | 2.38 | -1.965 | 1.0627 | 4.777 | 2.1818 |
| 50 | 129.1 | 130.75 | 132.33 | 1.0695 | 125.53 | 130.07 | 133.56 | 2.3175 | -3.885 | -0.6787 | 2.076 | 1.9636 |
| 100 | 128.78 | 130.74 | 132.7 | 1.3934 | 130.21 | 132.93 | 134.88 | 1.7777 | -1.144 | 2.1918 | 5.343 | 2.465 |

# Device Test: 19.31 tsr_EN2_Falling/EN2/7/3/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

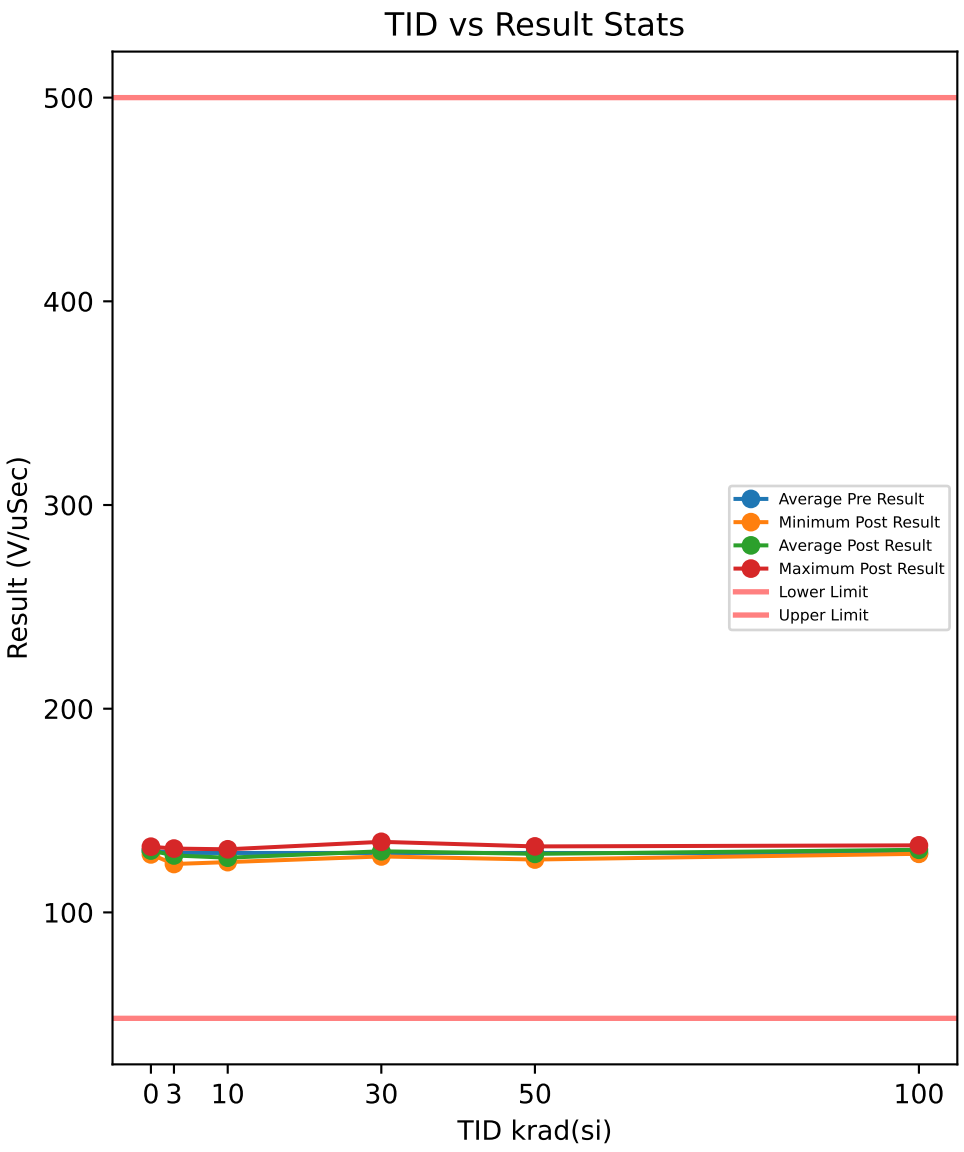
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 133.41 | 133.41 | 0 |
| 7 | 0 | Correlation | 135.7 | 135.7 | 0 |
| 16 | 3 | LDR-Biased | 135.85 | 134.78 | -1.076 |
| 18 | 3 | LDR-Biased | 131.54 | 133.34 | 1.798 |
| 19 | 3 | LDR-Biased | 134.65 | 128.95 | -5.693 |
| 20 | 3 | LDR-Biased | 131.18 | 131.82 | 0.639 |
| 21 | 3 | LDR-Biased | 133.06 | 129.01 | -4.049 |
| 22 | 3 | LDR-Unbiased | 134.11 | 133.16 | -0.951 |
| 23 | 3 | LDR-Unbiased | 134.3 | 132.28 | -2.015 |
| 25 | 3 | LDR-Unbiased | 134.83 | 136.47 | 1.637 |
| 26 | 3 | LDR-Unbiased | 134.32 | 134.45 | 0.132 |
| 27 | 3 | LDR-Unbiased | 132.8 | 130.51 | -2.292 |
| 46 | 10 | LDR-Biased | 135.85 | 132.61 | -3.244 |
| 48 | 10 | LDR-Biased | 131.54 | 131.32 | -0.218 |
| 49 | 10 | LDR-Biased | 134.65 | 127.14 | -7.506 |
| 50 | 10 | LDR-Biased | 131.18 | 129.49 | -1.688 |
| 51 | 10 | LDR-Biased | 133.06 | 127.17 | -5.891 |
| 52 | 10 | LDR-Unbiased | 134.11 | 130.91 | -3.205 |
| 53 | 10 | LDR-Unbiased | 134.3 | 130.72 | -3.572 |
| 55 | 10 | LDR-Unbiased | 134.83 | 133.56 | -1.272 |
| 56 | 10 | LDR-Unbiased | 134.32 | 132.16 | -2.165 |
| 57 | 10 | LDR-Unbiased | 132.8 | 128.14 | -4.666 |
| 76 | 30 | LDR-Biased | 135.85 | 135.83 | -0.022 |
| 78 | 30 | LDR-Biased | 131.54 | 132.83 | 1.29 |
| 79 | 30 | LDR-Biased | 134.65 | 131.54 | -3.104 |
| 80 | 30 | LDR-Biased | 131.18 | 133.03 | 1.855 |
| 81 | 30 | LDR-Biased | 133.06 | 129.79 | -3.27 |
| 82 | 30 | LDR-Unbiased | 134.11 | 134.94 | 0.826 |
| 83 | 30 | LDR-Unbiased | 134.3 | 133.21 | -1.087 |
| 84 | 30 | LDR-Unbiased | 132.8 | 131.23 | -1.575 |
| 85 | 30 | LDR-Unbiased | 134.83 | 137.12 | 2.292 |
| 86 | 30 | LDR-Unbiased | 134.32 | 134.81 | 0.485 |
| 87 | 100 | LDR-Biased | 133.01 | 136.03 | 3.013 |
| 88 | 100 | LDR-Biased | 135.58 | 132.77 | -2.817 |
| 90 | 100 | LDR-Biased | 132.13 | 132.27 | 0.136 |
| 91 | 100 | LDR-Unbiased | 133.89 | 137.07 | 3.179 |
| 93 | 100 | LDR-Unbiased | 133.19 | 136.35 | 3.16 |
| 94 | 100 | LDR-Unbiased | 135.33 | 133.49 | -1.834 |
| 95 | 100 | LDR-Unbiased | 133.9 | 135.47 | 1.568 |
| 96 | 100 | LDR-Unbiased | 132.61 | 136.27 | 3.658 |
| 106 | 50 | LDR-Biased | 135.85 | 134.31 | -1.536 |
| 108 | 50 | LDR-Biased | 131.54 | 132.59 | 1.051 |
| 109 | 50 | LDR-Biased | 134.65 | 129.07 | -5.574 |
| 110 | 50 | LDR-Biased | 131.18 | 131.31 | 0.136 |
| 111 | 50 | LDR-Biased | 133.06 | 129.57 | -3.494 |
| 112 | 50 | LDR-Unbiased | 134.11 | 133.07 | -1.039 |
| 113 | 50 | LDR-Unbiased | 134.3 | 132.15 | -2.147 |
| 115 | 50 | LDR-Unbiased | 134.83 | 135.74 | 0.914 |
| 116 | 50 | LDR-Unbiased | 134.32 | 133.59 | -0.725 |
| 117 | 50 | LDR-Unbiased | 132.8 | 130.08 | -2.723 |

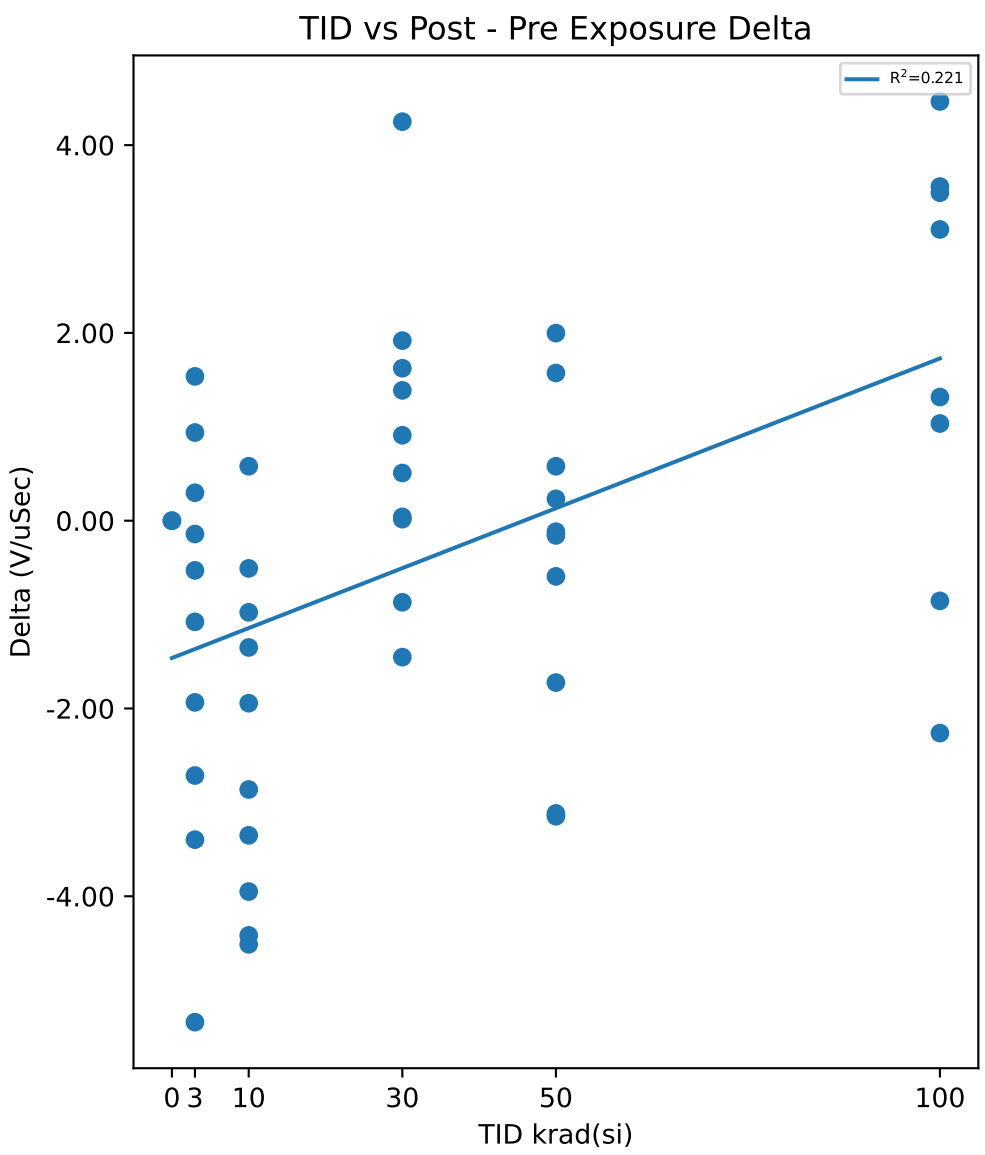



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 133.41 | 134.56 | 135.7 | 1.62 | 133.41 | 134.56 | 135.7 | 1.62 | 0 | 0 | 0 | 0 |
| 3 | 131.18 | 133.66 | 135.85 | 1.4875 | 128.95 | 132.48 | 136.47 | 2.4735 | -5.693 | -1.187 | 1.798 | 2.4136 |
| 10 | 131.18 | 133.66 | 135.85 | 1.4875 | 127.14 | 130.32 | 133.56 | 2.2626 | -7.506 | -3.3427 | -0.218 | 2.207 |
| 30 | 131.18 | 133.66 | 135.85 | 1.4875 | 129.79 | 133.43 | 137.12 | 2.2547 | -3.27 | -0.231 | 2.292 | 1.9645 |
| 50 | 131.18 | 133.66 | 135.85 | 1.4875 | 129.07 | 132.15 | 135.74 | 2.1565 | -5.574 | -1.5137 | 1.051 | 2.0632 |
| 100 | 132.13 | 133.71 | 135.58 | 1.233 | 132.27 | 134.96 | 137.07 | 1.8408 | -2.817 | 1.2579 | 3.658 | 2.4977 |

# Device Test: 19.32 tsr_EN3_Falling/EN3/7/3/0/0/0/@EN_SLEW_RATE_FALL



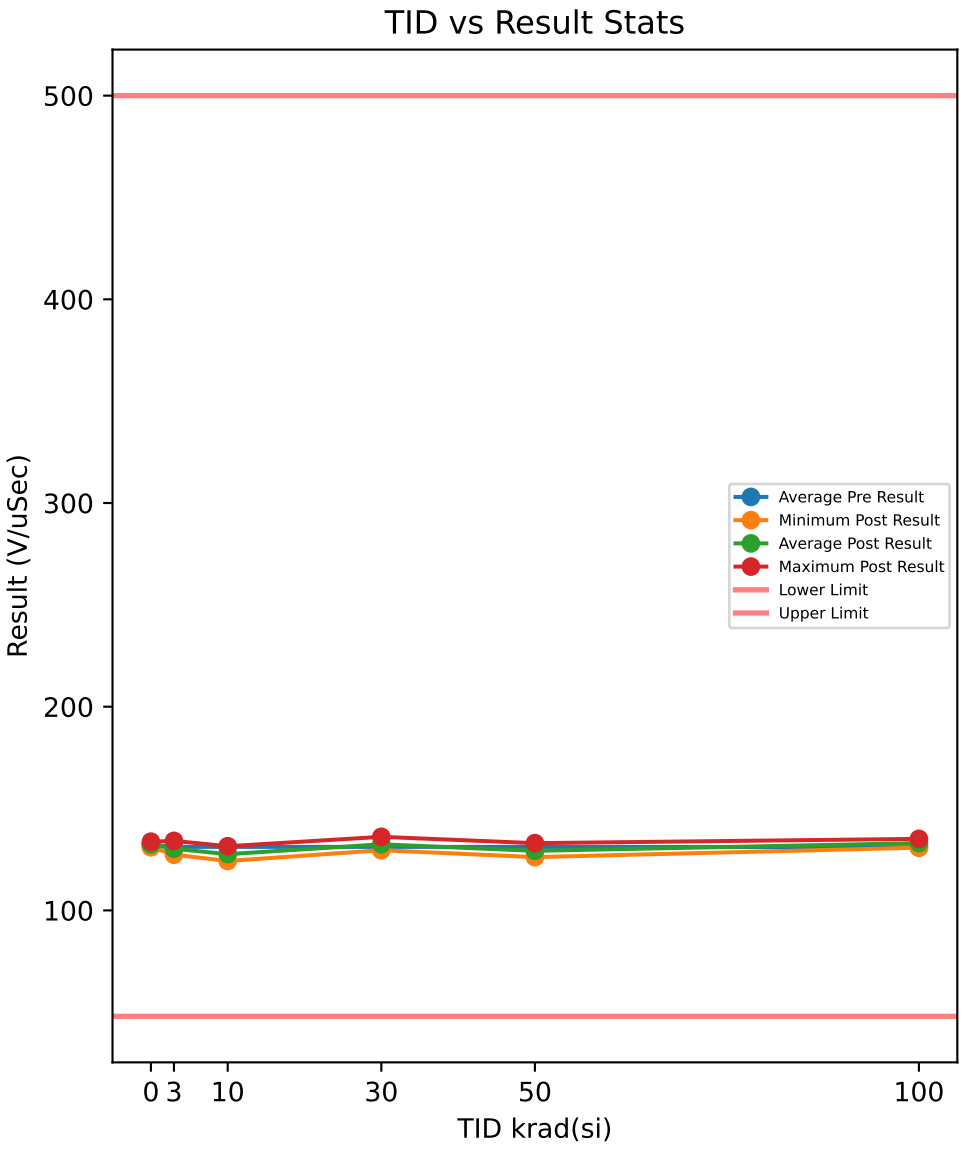

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

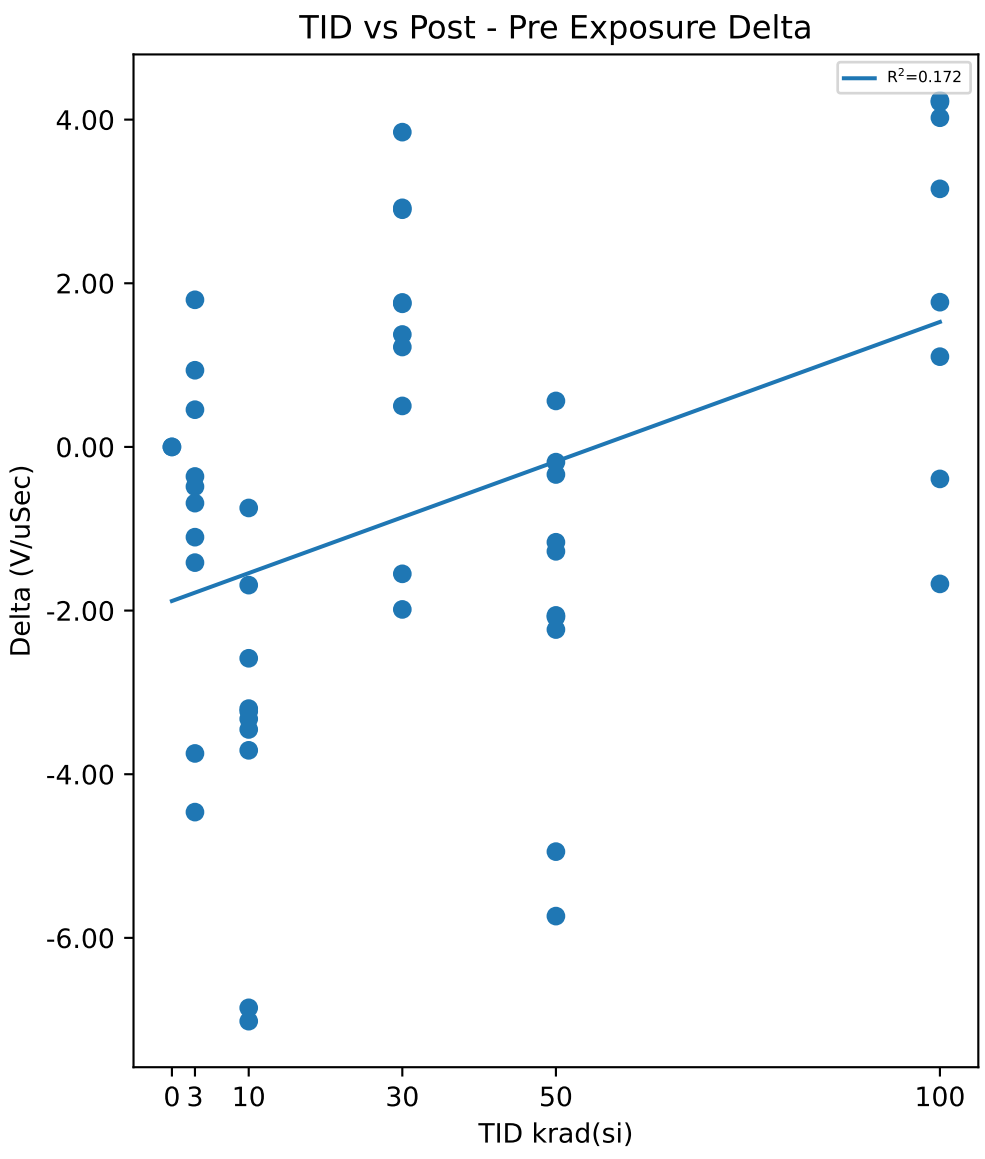
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 128.48 | 128.48 | 0 |
| 7 | 0 | Correlation | 132.26 | 132.26 | 0 |
| 16 | 3 | LDR-Biased | 131.34 | 130.26 | -1.077 |
| 18 | 3 | LDR-Biased | 127.47 | 129 | 1.537 |
| 19 | 3 | LDR-Biased | 129.84 | 126.45 | -3.397 |
| 20 | 3 | LDR-Biased | 127.45 | 127.31 | -0.142 |
| 21 | 3 | LDR-Biased | 129.1 | 123.76 | -5.341 |
| 22 | 3 | LDR-Unbiased | 130.32 | 129.79 | -0.529 |
| 23 | 3 | LDR-Unbiased | 129.48 | 126.77 | -2.714 |
| 25 | 3 | LDR-Unbiased | 130.4 | 131.34 | 0.939 |
| 26 | 3 | LDR-Unbiased | 129 | 129.29 | 0.298 |
| 27 | 3 | LDR-Unbiased | 127.43 | 125.5 | -1.935 |
| 46 | 10 | LDR-Biased | 131.34 | 127.99 | -3.351 |
| 48 | 10 | LDR-Biased | 127.47 | 126.96 | -0.508 |
| 49 | 10 | LDR-Biased | 129.84 | 125.33 | -4.512 |
| 50 | 10 | LDR-Biased | 127.45 | 126.48 | -0.976 |
| 51 | 10 | LDR-Biased | 129.1 | 124.69 | -4.417 |
| 52 | 10 | LDR-Unbiased | 130.32 | 127.46 | -2.863 |
| 53 | 10 | LDR-Unbiased | 129.48 | 125.53 | -3.95 |
| 55 | 10 | LDR-Unbiased | 130.4 | 130.98 | 0.58 |
| 56 | 10 | LDR-Unbiased | 129 | 127.64 | -1.35 |
| 57 | 10 | LDR-Unbiased | 127.43 | 125.49 | -1.944 |
| 76 | 30 | LDR-Biased | 131.34 | 132.97 | 1.624 |
| 78 | 30 | LDR-Biased | 127.47 | 128.38 | 0.91 |
| 79 | 30 | LDR-Biased | 129.84 | 128.39 | -1.453 |
| 80 | 30 | LDR-Biased | 127.45 | 127.47 | 0.016 |
| 81 | 30 | LDR-Biased | 129.1 | 128.23 | -0.869 |
| 82 | 30 | LDR-Unbiased | 130.32 | 132.24 | 1.918 |
| 83 | 30 | LDR-Unbiased | 129.48 | 129.52 | 0.041 |
| 84 | 30 | LDR-Unbiased | 127.43 | 127.94 | 0.508 |
| 85 | 30 | LDR-Unbiased | 130.4 | 134.65 | 4.25 |
| 86 | 30 | LDR-Unbiased | 129 | 130.38 | 1.388 |
| 87 | 100 | LDR-Biased | 128 | 131.5 | 3.493 |
| 88 | 100 | LDR-Biased | 131.3 | 129.03 | -2.262 |
| 90 | 100 | LDR-Biased | 127.45 | 128.77 | 1.317 |
| 91 | 100 | LDR-Unbiased | 129.61 | 132.71 | 3.102 |
| 93 | 100 | LDR-Unbiased | 128.46 | 132.92 | 4.465 |
| 94 | 100 | LDR-Unbiased | 130.1 | 129.24 | -0.854 |
| 95 | 100 | LDR-Unbiased | 128.95 | 129.99 | 1.035 |
| 96 | 100 | LDR-Unbiased | 128.2 | 131.76 | 3.559 |
| 106 | 50 | LDR-Biased | 131.34 | 131.57 | 0.233 |
| 108 | 50 | LDR-Biased | 127.47 | 129.04 | 1.573 |
| 109 | 50 | LDR-Biased | 129.84 | 126.73 | -3.118 |
| 110 | 50 | LDR-Biased | 127.45 | 126.86 | -0.593 |
| 111 | 50 | LDR-Biased | 129.1 | 125.95 | -3.148 |
| 112 | 50 | LDR-Unbiased | 130.32 | 130.21 | -0.117 |
| 113 | 50 | LDR-Unbiased | 129.48 | 127.76 | -1.724 |
| 115 | 50 | LDR-Unbiased | 130.4 | 132.4 | 1.998 |
| 116 | 50 | LDR-Unbiased | 129 | 129.57 | 0.58 |
| 117 | 50 | LDR-Unbiased | 127.43 | 127.28 | -0.157 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 128.48 | 130.37 | 132.26 | 2.6736 | 128.48 | 130.37 | 132.26 | 2.6736 | 0 | 0 | 0 | 0 |
| 3 | 127.43 | 129.18 | 131.34 | 1.375 | 123.76 | 127.95 | 131.34 | 2.3751 | -5.341 | -1.2361 | 1.537 | 2.1263 |
| 10 | 127.43 | 129.18 | 131.34 | 1.375 | 124.69 | 126.85 | 130.98 | 1.8284 | -4.512 | -2.3291 | 0.58 | 1.7575 |
| 30 | 127.43 | 129.18 | 131.34 | 1.375 | 127.47 | 130.02 | 134.65 | 2.4676 | -1.453 | 0.8333 | 4.25 | 1.6095 |
| 50 | 127.43 | 129.18 | 131.34 | 1.375 | 125.95 | 128.74 | 132.4 | 2.1808 | -3.148 | -0.4473 | 1.998 | 1.7591 |
| 100 | 127.45 | 129.01 | 131.3 | 1.2637 | 128.77 | 130.74 | 132.92 | 1.6843 | -2.262 | 1.7319 | 4.465 | 2.3629 |

# Device Test: 19.33 tsr_EN4_Falling/EN4/7/3/0/0/0/@EN_SLEW_RATE_FALL



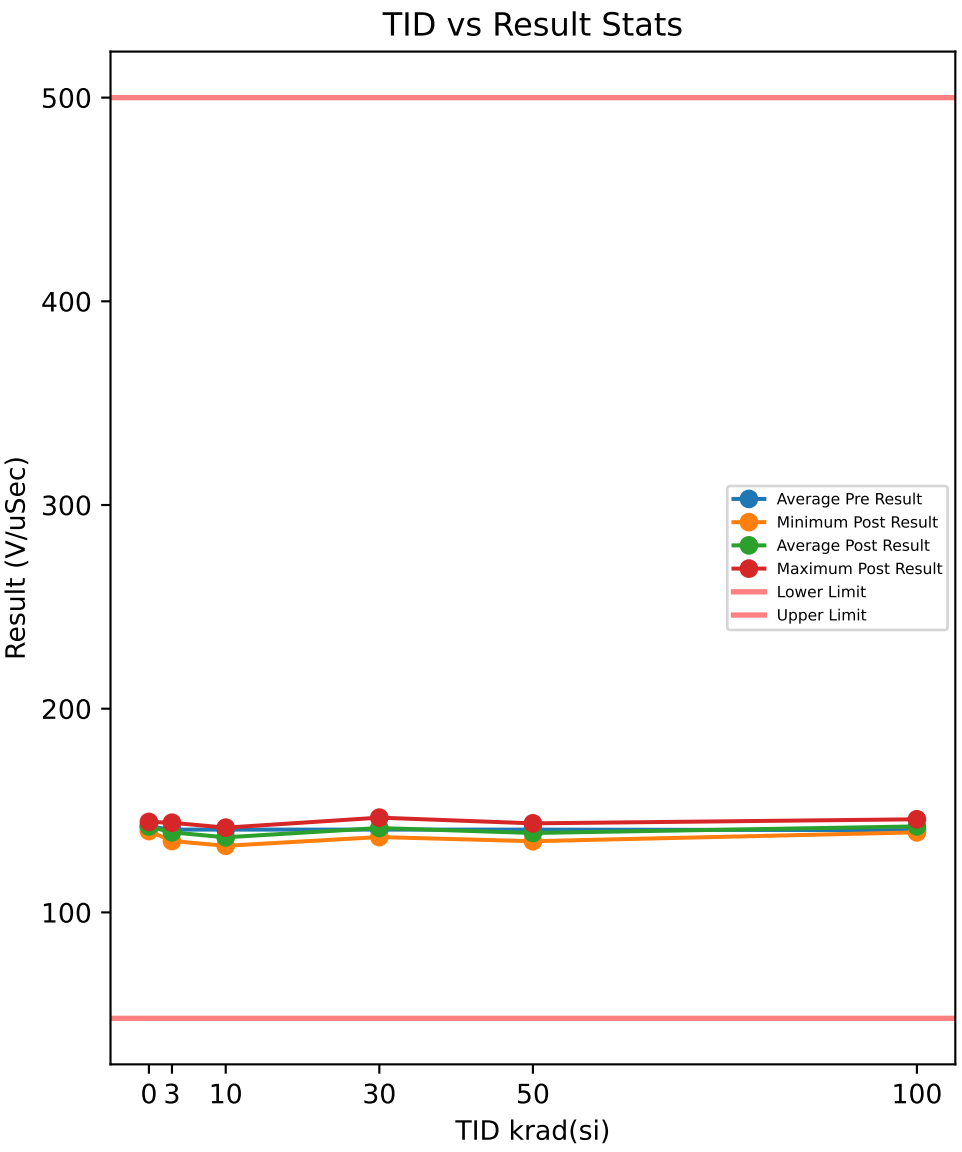

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

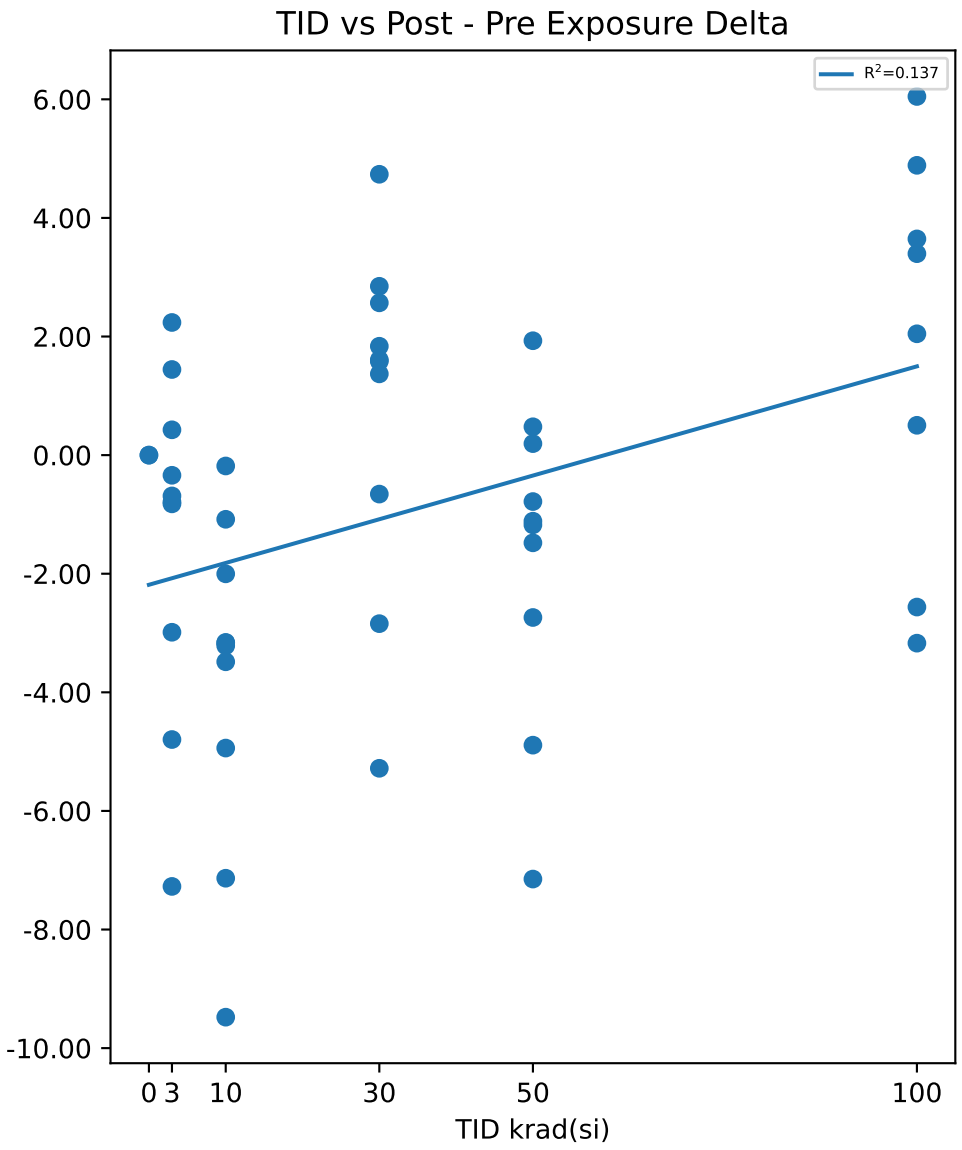
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 131 | 131 | 0 |
| 7 | 0 | Correlation | 133.73 | 133.73 | 0 |
| 16 | 3 | LDR-Biased | 132.81 | 132.45 | -0.361 |
| 18 | 3 | LDR-Biased | 129.1 | 130.9 | 1.798 |
| 19 | 3 | LDR-Biased | 132.53 | 128.06 | -4.463 |
| 20 | 3 | LDR-Biased | 129.79 | 129.1 | -0.687 |
| 21 | 3 | LDR-Biased | 131.11 | 127.36 | -3.746 |
| 22 | 3 | LDR-Unbiased | 130.81 | 131.27 | 0.455 |
| 23 | 3 | LDR-Unbiased | 131 | 129.58 | -1.414 |
| 25 | 3 | LDR-Unbiased | 133.19 | 134.13 | 0.937 |
| 26 | 3 | LDR-Unbiased | 132.18 | 131.08 | -1.103 |
| 27 | 3 | LDR-Unbiased | 129.27 | 128.78 | -0.485 |
| 46 | 10 | LDR-Biased | 132.81 | 129.49 | -3.324 |
| 48 | 10 | LDR-Biased | 129.1 | 128.36 | -0.746 |
| 49 | 10 | LDR-Biased | 132.53 | 125.51 | -7.018 |
| 50 | 10 | LDR-Biased | 129.79 | 126.59 | -3.198 |
| 51 | 10 | LDR-Biased | 131.11 | 124.25 | -6.855 |
| 52 | 10 | LDR-Unbiased | 130.81 | 128.23 | -2.583 |
| 53 | 10 | LDR-Unbiased | 131 | 127.29 | -3.708 |
| 55 | 10 | LDR-Unbiased | 133.19 | 131.51 | -1.689 |
| 56 | 10 | LDR-Unbiased | 132.18 | 128.73 | -3.453 |
| 57 | 10 | LDR-Unbiased | 129.27 | 126.04 | -3.232 |
| 76 | 30 | LDR-Biased | 132.81 | 134.03 | 1.221 |
| 78 | 30 | LDR-Biased | 129.1 | 132.95 | 3.847 |
| 79 | 30 | LDR-Biased | 132.53 | 130.54 | -1.986 |
| 80 | 30 | LDR-Biased | 129.79 | 131.17 | 1.374 |
| 81 | 30 | LDR-Biased | 131.11 | 129.56 | -1.551 |
| 82 | 30 | LDR-Unbiased | 130.81 | 133.71 | 2.899 |
| 83 | 30 | LDR-Unbiased | 131 | 131.5 | 0.501 |
| 84 | 30 | LDR-Unbiased | 129.27 | 131.02 | 1.749 |
| 85 | 30 | LDR-Unbiased | 133.19 | 136.12 | 2.922 |
| 86 | 30 | LDR-Unbiased | 132.18 | 133.95 | 1.766 |
| 87 | 100 | LDR-Biased | 130.06 | 134.27 | 4.213 |
| 88 | 100 | LDR-Biased | 132.56 | 130.89 | -1.674 |
| 90 | 100 | LDR-Biased | 129.03 | 130.8 | 1.769 |
| 91 | 100 | LDR-Unbiased | 131.1 | 135.12 | 4.023 |
| 93 | 100 | LDR-Unbiased | 131.36 | 134.51 | 3.154 |
| 94 | 100 | LDR-Unbiased | 132.25 | 131.86 | -0.391 |
| 95 | 100 | LDR-Unbiased | 131.79 | 132.89 | 1.103 |
| 96 | 100 | LDR-Unbiased | 129.82 | 134.06 | 4.234 |
| 106 | 50 | LDR-Biased | 132.81 | 131.54 | -1.276 |
| 108 | 50 | LDR-Biased | 129.1 | 129.66 | 0.562 |
| 109 | 50 | LDR-Biased | 132.53 | 126.79 | -5.734 |
| 110 | 50 | LDR-Biased | 129.79 | 127.71 | -2.079 |
| 111 | 50 | LDR-Biased | 131.11 | 126.16 | -4.946 |
| 112 | 50 | LDR-Unbiased | 130.81 | 130.48 | -0.337 |
| 113 | 50 | LDR-Unbiased | 131 | 128.77 | -2.232 |
| 115 | 50 | LDR-Unbiased | 133.19 | 133.01 | -0.186 |
| 116 | 50 | LDR-Unbiased | 132.18 | 130.12 | -2.059 |
| 117 | 50 | LDR-Unbiased | 129.27 | 128.1 | -1.165 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 131 | 132.37 | 133.73 | 1.9283 | 131 | 132.37 | 133.73 | 1.9283 | 0 | 0 | 0 | 0 |
| 3 | 129.1 | 131.18 | 133.19 | 1.476 | 127.36 | 130.27 | 134.13 | 2.084 | -4.463 | -0.9069 | 1.798 | 1.9464 |
| 10 | 129.1 | 131.18 | 133.19 | 1.476 | 124.25 | 127.6 | 131.51 | 2.1133 | -7.018 | -3.5806 | -0.746 | 1.9864 |
| 30 | 129.1 | 131.18 | 133.19 | 1.476 | 129.56 | 132.45 | 136.12 | 2.0183 | -1.986 | 1.2742 | 3.847 | 1.8757 |
| 50 | 129.1 | 131.18 | 133.19 | 1.476 | 126.16 | 129.23 | 133.01 | 2.1417 | -5.734 | -1.9452 | 0.562 | 2.0137 |
| 100 | 129.03 | 131 | 132.56 | 1.2491 | 130.8 | 133.05 | 135.12 | 1.6961 | -1.674 | 2.0539 | 4.234 | 2.2476 |

# Device Test: 19.34 tsr_PWRGD_Falling/PWRGD/7/3/0/0/0/@PWRGD_SLEW_RATE_FALL



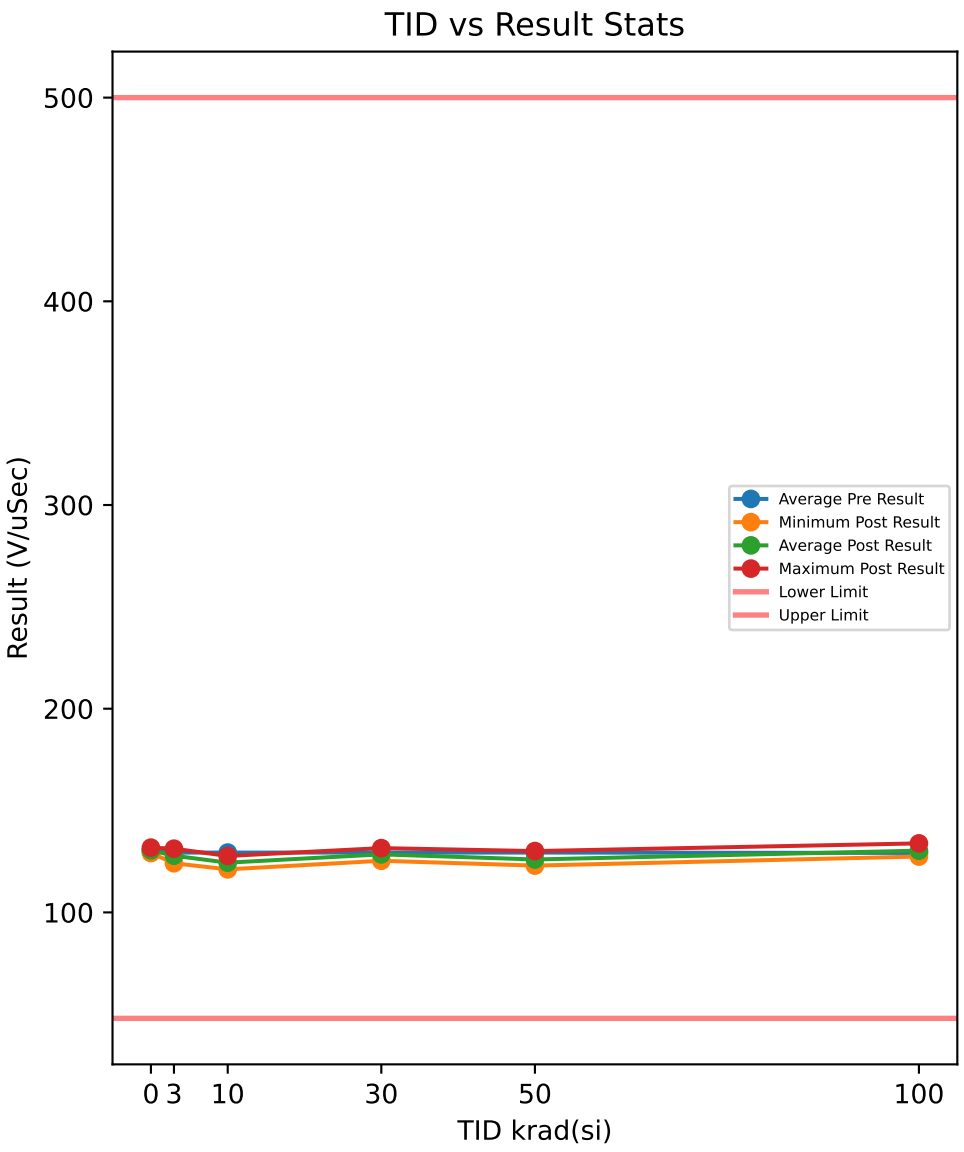

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

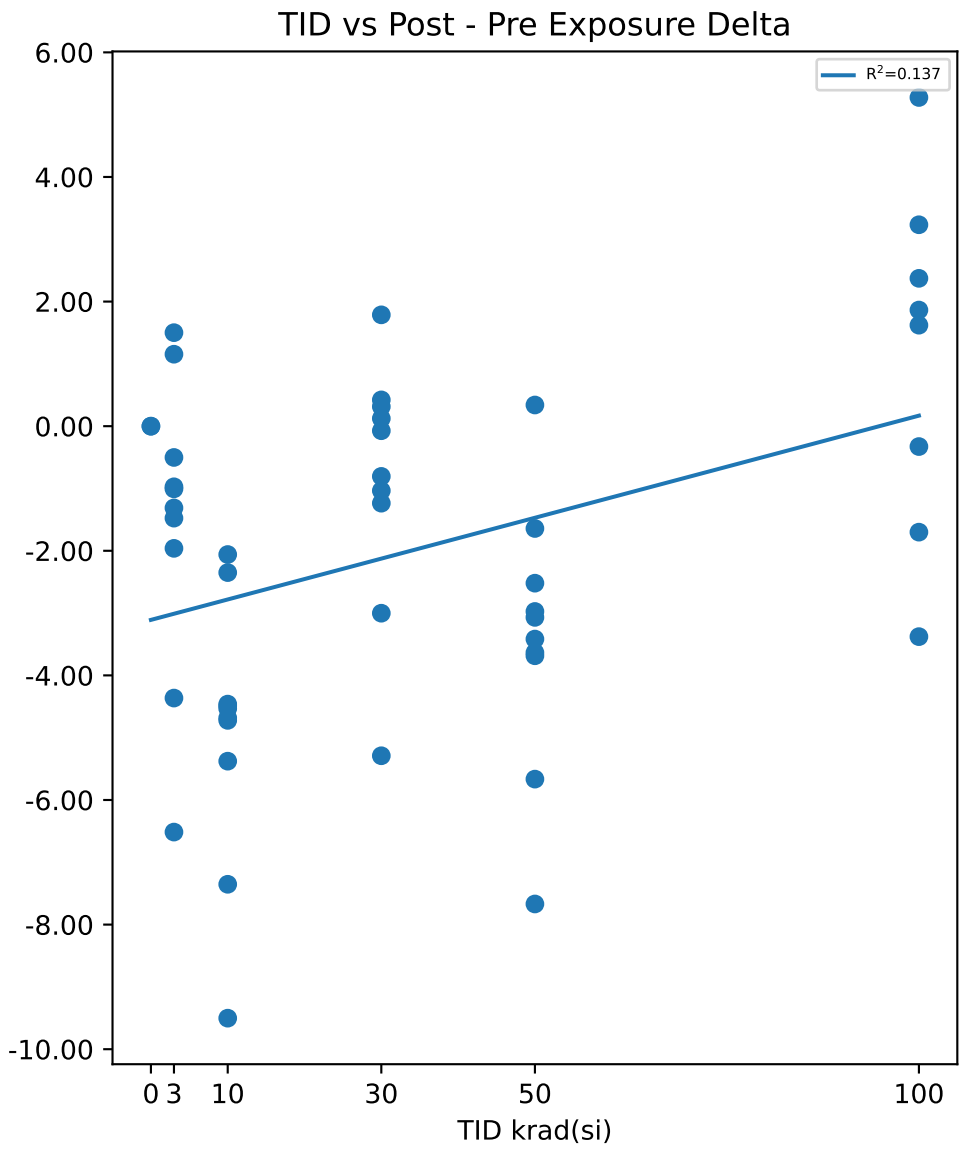
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 139.93 | 139.93 | 0 |
| 7 | 0 | Correlation | 144.42 | 144.42 | 0 |
| 16 | 3 | LDR-Biased | 142.3 | 141.96 | -0.34 |
| 18 | 3 | LDR-Biased | 138.94 | 140.38 | 1.444 |
| 19 | 3 | LDR-Biased | 142.57 | 135.29 | -7.273 |
| 20 | 3 | LDR-Biased | 138.87 | 138.05 | -0.822 |
| 21 | 3 | LDR-Biased | 139.83 | 135.04 | -4.796 |
| 22 | 3 | LDR-Unbiased | 141.16 | 141.58 | 0.427 |
| 23 | 3 | LDR-Unbiased | 140.77 | 139.98 | -0.789 |
| 25 | 3 | LDR-Unbiased | 141.78 | 144.02 | 2.237 |
| 26 | 3 | LDR-Unbiased | 141.65 | 140.96 | -0.688 |
| 27 | 3 | LDR-Unbiased | 138.65 | 135.67 | -2.987 |
| 46 | 10 | LDR-Biased | 142.3 | 139.14 | -3.158 |
| 48 | 10 | LDR-Biased | 138.94 | 137.85 | -1.082 |
| 49 | 10 | LDR-Biased | 142.57 | 133.09 | -9.478 |
| 50 | 10 | LDR-Biased | 138.87 | 135.66 | -3.214 |
| 51 | 10 | LDR-Biased | 139.83 | 132.7 | -7.135 |
| 52 | 10 | LDR-Unbiased | 141.16 | 139.15 | -2.002 |
| 53 | 10 | LDR-Unbiased | 140.77 | 137.29 | -3.485 |
| 55 | 10 | LDR-Unbiased | 141.78 | 141.6 | -0.183 |
| 56 | 10 | LDR-Unbiased | 141.65 | 138.48 | -3.169 |
| 57 | 10 | LDR-Unbiased | 138.65 | 133.71 | -4.94 |
| 76 | 30 | LDR-Biased | 142.3 | 143.9 | 1.608 |
| 78 | 30 | LDR-Biased | 138.94 | 141.5 | 2.568 |
| 79 | 30 | LDR-Biased | 142.57 | 137.28 | -5.281 |
| 80 | 30 | LDR-Biased | 138.87 | 140.45 | 1.581 |
| 81 | 30 | LDR-Biased | 139.83 | 136.99 | -2.842 |
| 82 | 30 | LDR-Unbiased | 141.16 | 144 | 2.847 |
| 83 | 30 | LDR-Unbiased | 140.77 | 142.14 | 1.37 |
| 84 | 30 | LDR-Unbiased | 138.65 | 138 | -0.657 |
| 85 | 30 | LDR-Unbiased | 141.78 | 146.52 | 4.736 |
| 86 | 30 | LDR-Unbiased | 141.65 | 143.48 | 1.836 |
| 87 | 100 | LDR-Biased | 139.12 | 144.01 | 4.887 |
| 88 | 100 | LDR-Biased | 142.19 | 139.63 | -2.562 |
| 90 | 100 | LDR-Biased | 138.91 | 139.42 | 0.503 |
| 91 | 100 | LDR-Unbiased | 141.21 | 144.85 | 3.646 |
| 93 | 100 | LDR-Unbiased | 139.66 | 145.71 | 6.048 |
| 94 | 100 | LDR-Unbiased | 142.48 | 139.31 | -3.171 |
| 95 | 100 | LDR-Unbiased | 140.91 | 142.95 | 2.046 |
| 96 | 100 | LDR-Unbiased | 138.53 | 141.93 | 3.397 |
| 106 | 50 | LDR-Biased | 142.3 | 141.51 | -0.783 |
| 108 | 50 | LDR-Biased | 138.94 | 139.41 | 0.478 |
| 109 | 50 | LDR-Biased | 142.57 | 135.42 | -7.149 |
| 110 | 50 | LDR-Biased | 138.87 | 137.39 | -1.479 |
| 111 | 50 | LDR-Biased | 139.83 | 134.94 | -4.891 |
| 112 | 50 | LDR-Unbiased | 141.16 | 141.35 | 0.194 |
| 113 | 50 | LDR-Unbiased | 140.77 | 139.66 | -1.114 |
| 115 | 50 | LDR-Unbiased | 141.78 | 143.71 | 1.929 |
| 116 | 50 | LDR-Unbiased | 141.65 | 140.47 | -1.176 |
| 117 | 50 | LDR-Unbiased | 138.65 | 135.91 | -2.738 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 139.93 | 142.17 | 144.42 | 3.1742 | 139.93 | 142.17 | 144.42 | 3.1742 | 0 | 0 | 0 | 0 |
| 3 | 138.65 | 140.65 | 142.57 | 1.4791 | 135.04 | 139.29 | 144.02 | 3.1258 | -7.273 | -1.3587 | 2.237 | 2.8967 |
| 10 | 138.65 | 140.65 | 142.57 | 1.4791 | 132.7 | 136.87 | 141.6 | 2.9743 | -9.478 | -3.7846 | -0.183 | 2.7812 |
| 30 | 138.65 | 140.65 | 142.57 | 1.4791 | 136.99 | 141.43 | 146.52 | 3.2146 | -5.281 | 0.7766 | 4.736 | 2.9407 |
| 50 | 138.65 | 140.65 | 142.57 | 1.4791 | 134.94 | 138.98 | 143.71 | 2.9481 | -7.149 | -1.6729 | 1.929 | 2.6657 |
| 100 | 138.53 | 140.38 | 142.48 | 1.5262 | 139.31 | 142.23 | 145.71 | 2.5633 | -3.171 | 1.8493 | 6.048 | 3.3593 |

# Device Test: 19.35 tsr_SEQ_Falling/SEQ_DONE/7/3/0/0/0/@SEQ_DONE_SLEW_RATE_FALL



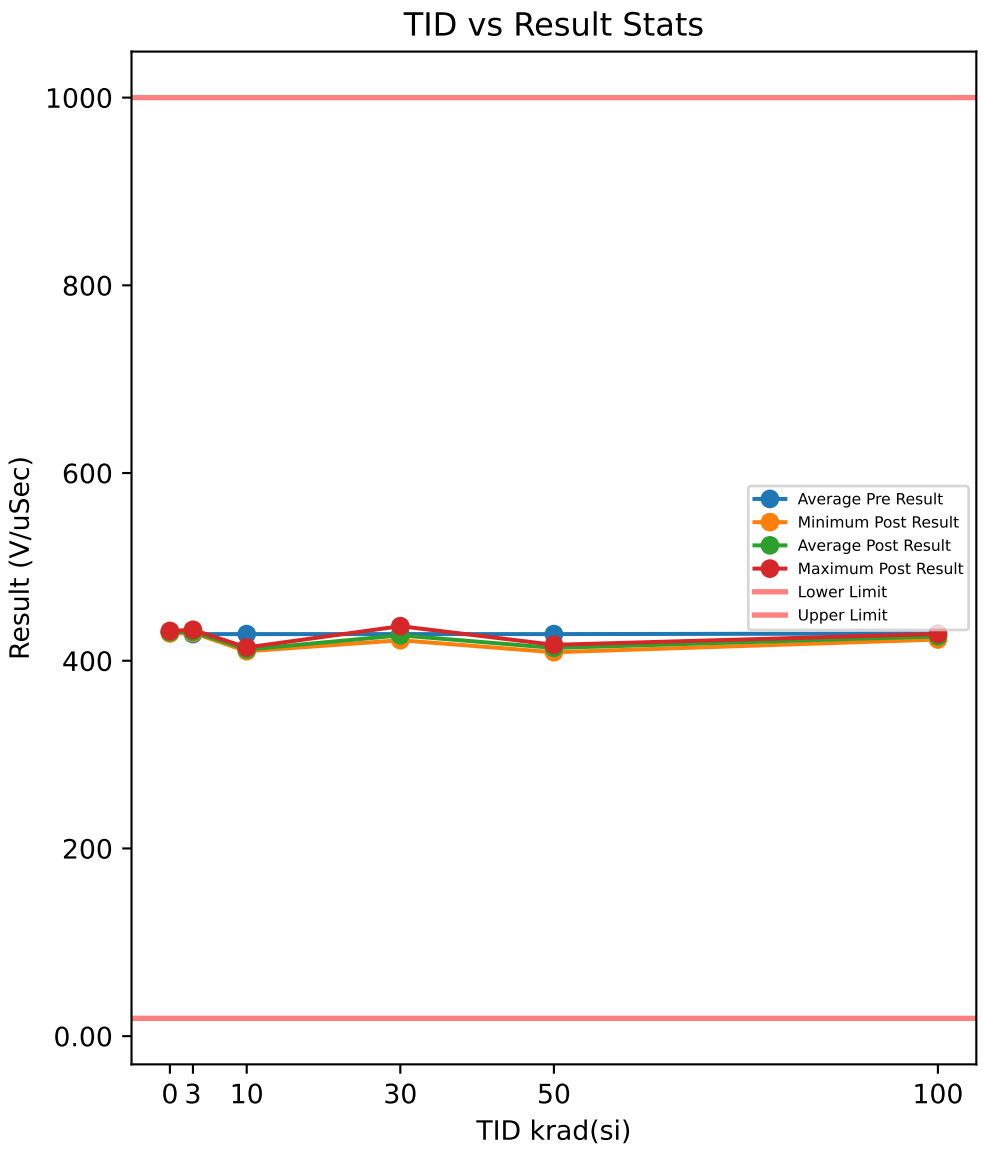

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

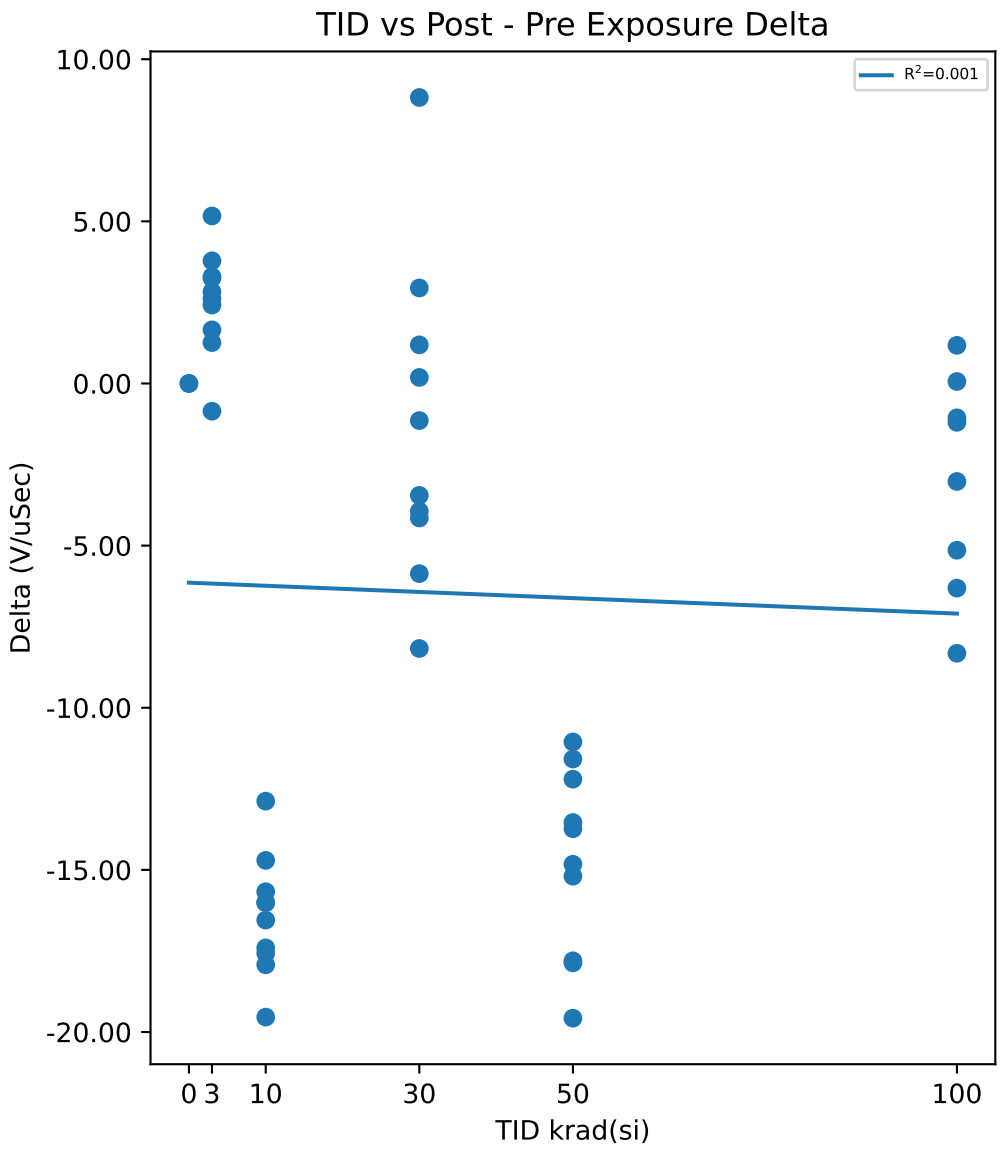
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 129.15 | 129.15 | 0 |
| 7 | 0 | Correlation | 131.79 | 131.79 | 0 |
| 16 | 3 | LDR-Biased | 130.6 | 129.63 | -0.973 |
| 18 | 3 | LDR-Biased | 128.88 | 128.38 | -0.502 |
| 19 | 3 | LDR-Biased | 130.64 | 124.13 | -6.515 |
| 20 | 3 | LDR-Biased | 128.24 | 126.28 | -1.961 |
| 21 | 3 | LDR-Biased | 129.14 | 124.77 | -4.364 |
| 22 | 3 | LDR-Unbiased | 129.86 | 131.01 | 1.155 |
| 23 | 3 | LDR-Unbiased | 129.3 | 128.29 | -1.006 |
| 25 | 3 | LDR-Unbiased | 129.77 | 131.27 | 1.501 |
| 26 | 3 | LDR-Unbiased | 130.22 | 128.91 | -1.312 |
| 27 | 3 | LDR-Unbiased | 127.08 | 125.6 | -1.476 |
| 46 | 10 | LDR-Biased | 130.6 | 125.88 | -4.722 |
| 48 | 10 | LDR-Biased | 128.88 | 124.35 | -4.533 |
| 49 | 10 | LDR-Biased | 130.64 | 121.14 | -9.502 |
| 50 | 10 | LDR-Biased | 128.24 | 123.78 | -4.461 |
| 51 | 10 | LDR-Biased | 129.14 | 121.78 | -7.353 |
| 52 | 10 | LDR-Unbiased | 129.86 | 127.51 | -2.35 |
| 53 | 10 | LDR-Unbiased | 129.3 | 124.62 | -4.682 |
| 55 | 10 | LDR-Unbiased | 129.77 | 127.71 | -2.06 |
| 56 | 10 | LDR-Unbiased | 130.22 | 125.73 | -4.49 |
| 57 | 10 | LDR-Unbiased | 127.08 | 121.7 | -5.377 |
| 76 | 30 | LDR-Biased | 130.6 | 129.37 | -1.236 |
| 78 | 30 | LDR-Biased | 128.88 | 128.81 | -0.073 |
| 79 | 30 | LDR-Biased | 130.64 | 125.35 | -5.29 |
| 80 | 30 | LDR-Biased | 128.24 | 127.21 | -1.035 |
| 81 | 30 | LDR-Biased | 129.14 | 126.14 | -3.002 |
| 82 | 30 | LDR-Unbiased | 129.86 | 130.28 | 0.422 |
| 83 | 30 | LDR-Unbiased | 129.3 | 129.61 | 0.314 |
| 84 | 30 | LDR-Unbiased | 127.08 | 126.27 | -0.806 |
| 85 | 30 | LDR-Unbiased | 129.77 | 131.56 | 1.787 |
| 86 | 30 | LDR-Unbiased | 130.22 | 130.34 | 0.124 |
| 87 | 100 | LDR-Biased | 128.36 | 131.6 | 3.233 |
| 88 | 100 | LDR-Biased | 130.31 | 128.61 | -1.701 |
| 90 | 100 | LDR-Biased | 128.74 | 128.41 | -0.327 |
| 91 | 100 | LDR-Unbiased | 130 | 132.38 | 2.373 |
| 93 | 100 | LDR-Unbiased | 128.6 | 133.88 | 5.276 |
| 94 | 100 | LDR-Unbiased | 130.81 | 127.43 | -3.378 |
| 95 | 100 | LDR-Unbiased | 129.27 | 130.89 | 1.621 |
| 96 | 100 | LDR-Unbiased | 127.47 | 129.33 | 1.864 |
| 106 | 50 | LDR-Biased | 130.6 | 127.54 | -3.069 |
| 108 | 50 | LDR-Biased | 128.88 | 126.36 | -2.52 |
| 109 | 50 | LDR-Biased | 130.64 | 122.97 | -7.669 |
| 110 | 50 | LDR-Biased | 128.24 | 124.56 | -3.685 |
| 111 | 50 | LDR-Biased | 129.14 | 123.47 | -5.665 |
| 112 | 50 | LDR-Unbiased | 129.86 | 128.22 | -1.642 |
| 113 | 50 | LDR-Unbiased | 129.3 | 125.88 | -3.417 |
| 115 | 50 | LDR-Unbiased | 129.77 | 130.11 | 0.34 |
| 116 | 50 | LDR-Unbiased | 130.22 | 126.59 | -3.634 |
| 117 | 50 | LDR-Unbiased | 127.08 | 124.11 | -2.974 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 129.15 | 130.47 | 131.79 | 1.8625 | 129.15 | 130.47 | 131.79 | 1.8625 | 0 | 0 | 0 | 0 |
| 3 | 127.08 | 129.37 | 130.64 | 1.1097 | 124.13 | 127.83 | 131.27 | 2.5235 | -6.515 | -1.5453 | 1.501 | 2.3841 |
| 10 | 127.08 | 129.37 | 130.64 | 1.1097 | 121.14 | 124.42 | 127.71 | 2.3515 | -9.502 | -4.953 | -2.06 | 2.174 |
| 30 | 127.08 | 129.37 | 130.64 | 1.1097 | 125.35 | 128.49 | 131.56 | 2.1118 | -5.29 | -0.8795 | 1.787 | 2 |
| 50 | 127.08 | 129.37 | 130.64 | 1.1097 | 122.97 | 125.98 | 130.11 | 2.2577 | -7.669 | -3.3935 | 0.34 | 2.1508 |
| 100 | 127.47 | 129.2 | 130.81 | 1.1187 | 127.43 | 130.32 | 133.88 | 2.2271 | -3.378 | 1.1201 | 5.276 | 2.7876 |

# Device Test: 19.36 tsr_EN1_Rising/EN1/7/14/0/0/0/@EN_SLEW_RATE_RISE



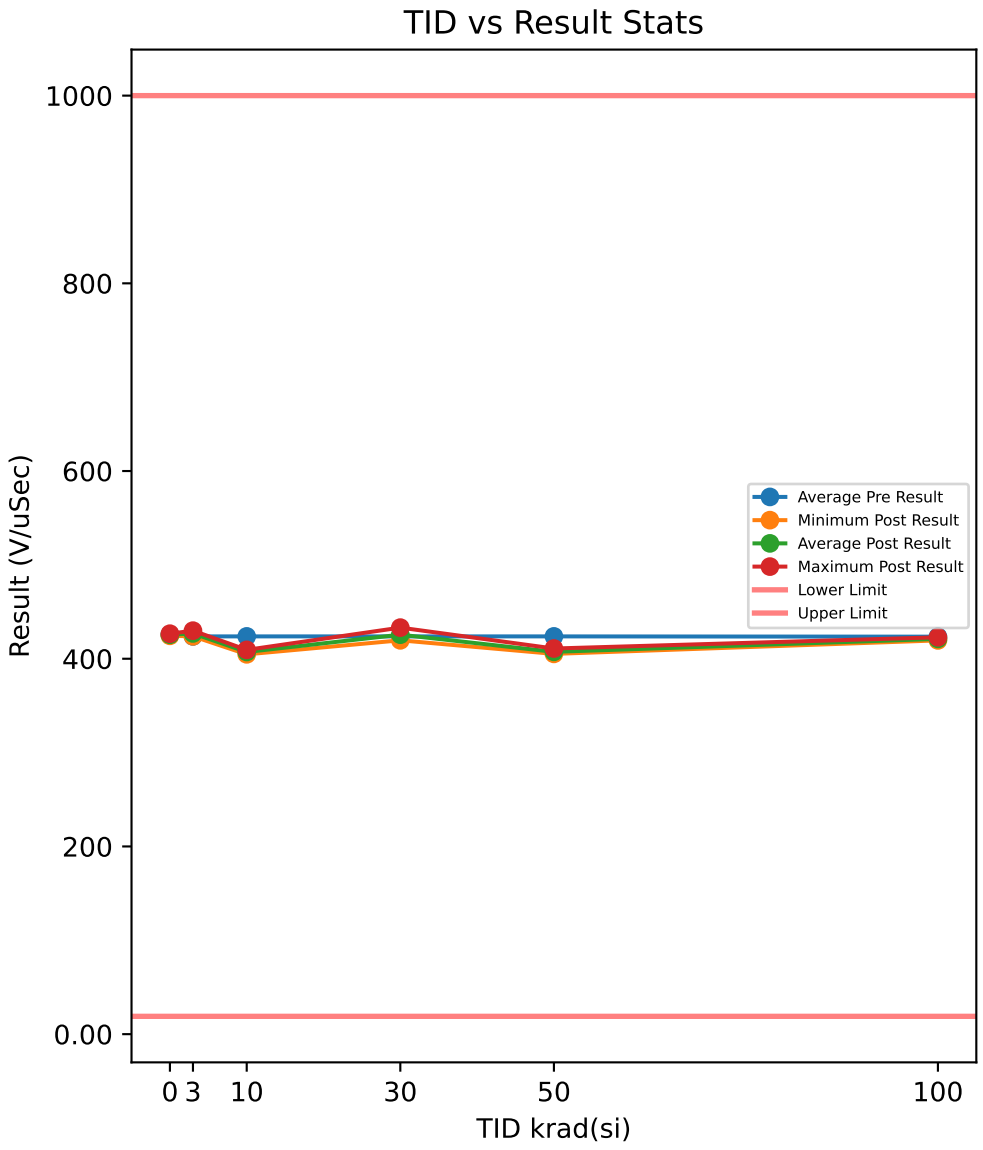

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

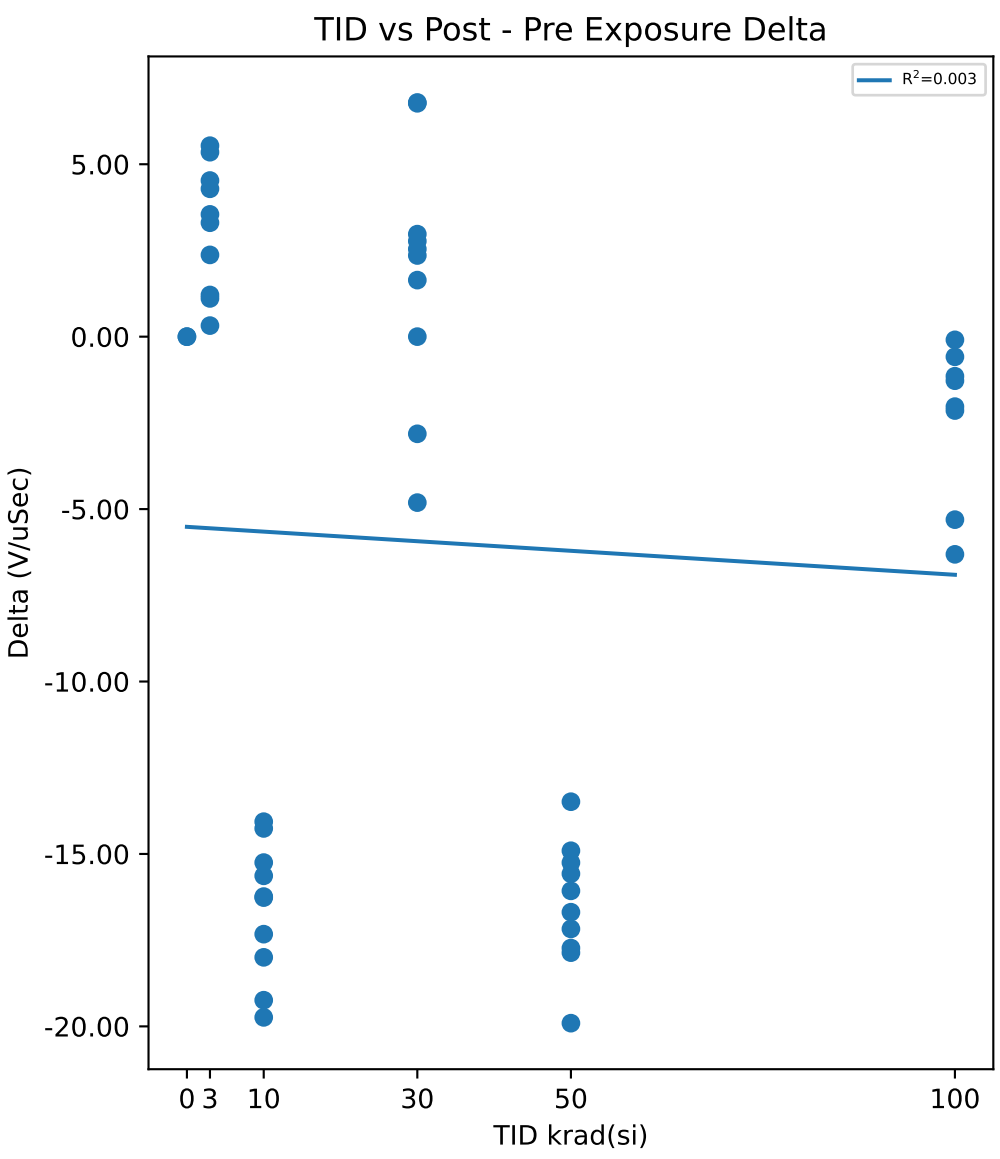
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 429.06 | 429.06 | 0 |
| 7 | 0 | Correlation | 431.74 | 431.74 | 0 |
| 16 | 3 | LDR-Biased | 428.72 | 431.14 | 2.418 |
| 18 | 3 | LDR-Biased | 428.07 | 431.37 | 3.295 |
| 19 | 3 | LDR-Biased | 428.62 | 431.23 | 2.61 |
| 20 | 3 | LDR-Biased | 427.03 | 430.28 | 3.249 |
| 21 | 3 | LDR-Biased | 432.27 | 431.42 | -0.855 |
| 22 | 3 | LDR-Unbiased | 428.01 | 430.84 | 2.828 |
| 23 | 3 | LDR-Unbiased | 429.17 | 432.95 | 3.783 |
| 25 | 3 | LDR-Unbiased | 428.43 | 429.69 | 1.26 |
| 26 | 3 | LDR-Unbiased | 425.3 | 430.47 | 5.167 |
| 27 | 3 | LDR-Unbiased | 428.29 | 429.95 | 1.654 |
| 46 | 10 | LDR-Biased | 428.72 | 411.31 | -17.405 |
| 48 | 10 | LDR-Biased | 428.07 | 411.52 | -16.549 |
| 49 | 10 | LDR-Biased | 428.62 | 412.61 | -16.009 |
| 50 | 10 | LDR-Biased | 427.03 | 414.15 | -12.88 |
| 51 | 10 | LDR-Biased | 432.27 | 412.73 | -19.54 |
| 52 | 10 | LDR-Unbiased | 428.01 | 410.08 | -17.927 |
| 53 | 10 | LDR-Unbiased | 429.17 | 413.16 | -16.012 |
| 55 | 10 | LDR-Unbiased | 428.43 | 410.86 | -17.571 |
| 56 | 10 | LDR-Unbiased | 425.3 | 410.59 | -14.707 |
| 57 | 10 | LDR-Unbiased | 428.29 | 412.62 | -15.673 |
| 76 | 30 | LDR-Biased | 428.72 | 424.57 | -4.148 |
| 78 | 30 | LDR-Biased | 428.07 | 426.93 | -1.144 |
| 79 | 30 | LDR-Biased | 428.62 | 424.68 | -3.941 |
| 80 | 30 | LDR-Biased | 427.03 | 427.21 | 0.186 |
| 81 | 30 | LDR-Biased | 432.27 | 424.1 | -8.173 |
| 82 | 30 | LDR-Unbiased | 428.01 | 436.83 | 8.82 |
| 83 | 30 | LDR-Unbiased | 429.17 | 430.36 | 1.192 |
| 84 | 30 | LDR-Unbiased | 428.29 | 422.43 | -5.864 |
| 85 | 30 | LDR-Unbiased | 428.43 | 431.38 | 2.946 |
| 86 | 30 | LDR-Unbiased | 425.3 | 421.85 | -3.451 |
| 87 | 100 | LDR-Biased | 434.12 | 425.8 | -8.32 |
| 88 | 100 | LDR-Biased | 429.6 | 428.54 | -1.06 |
| 90 | 100 | LDR-Biased | 427.65 | 426.45 | -1.198 |
| 91 | 100 | LDR-Unbiased | 427.59 | 424.56 | -3.022 |
| 93 | 100 | LDR-Unbiased | 428.92 | 422.61 | -6.311 |
| 94 | 100 | LDR-Unbiased | 426.95 | 427.01 | 0.061 |
| 95 | 100 | LDR-Unbiased | 426.92 | 428.09 | 1.176 |
| 96 | 100 | LDR-Unbiased | 429.96 | 424.82 | -5.142 |
| 106 | 50 | LDR-Biased | 428.72 | 410.85 | -17.868 |
| 108 | 50 | LDR-Biased | 428.07 | 412.88 | -15.195 |
| 109 | 50 | LDR-Biased | 428.62 | 409.05 | -19.573 |
| 110 | 50 | LDR-Biased | 427.03 | 415.45 | -11.582 |
| 111 | 50 | LDR-Biased | 432.27 | 414.47 | -17.804 |
| 112 | 50 | LDR-Unbiased | 428.01 | 416.95 | -11.055 |
| 113 | 50 | LDR-Unbiased | 429.17 | 414.34 | -14.827 |
| 115 | 50 | LDR-Unbiased | 428.43 | 414.7 | -13.732 |
| 116 | 50 | LDR-Unbiased | 425.3 | 413.1 | -12.203 |
| 117 | 50 | LDR-Unbiased | 428.29 | 414.75 | -13.539 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 429.06 | 430.4 | 431.74 | 1.8908 | 429.06 | 430.4 | 431.74 | 1.8908 | 0 | 0 | 0 | 0 |
| 3 | 425.3 | 428.39 | 432.27 | 1.7479 | 429.69 | 430.93 | 432.95 | 0.9311 | -0.855 | 2.5409 | 5.167 | 1.6183 |
| 10 | 425.3 | 428.39 | 432.27 | 1.7479 | 410.08 | 411.96 | 414.15 | 1.2861 | -19.54 | -16.427 | -12.88 | 1.8462 |
| 30 | 425.3 | 428.39 | 432.27 | 1.7479 | 421.85 | 427.03 | 436.83 | 4.6458 | -8.173 | -1.3577 | 8.82 | 4.9062 |
| 50 | 425.3 | 428.39 | 432.27 | 1.7479 | 409.05 | 413.65 | 416.95 | 2.2986 | -19.573 | -14.738 | -11.055 | 2.8904 |
| 100 | 426.92 | 428.96 | 434.12 | 2.3864 | 422.61 | 425.99 | 428.54 | 1.9667 | -8.32 | -2.977 | 1.176 | 3.331 |

# Device Test: 19.37 tsr_EN2_Rising/EN2/7/14/0/0/0/@EN_SLEW_RATE_RISE



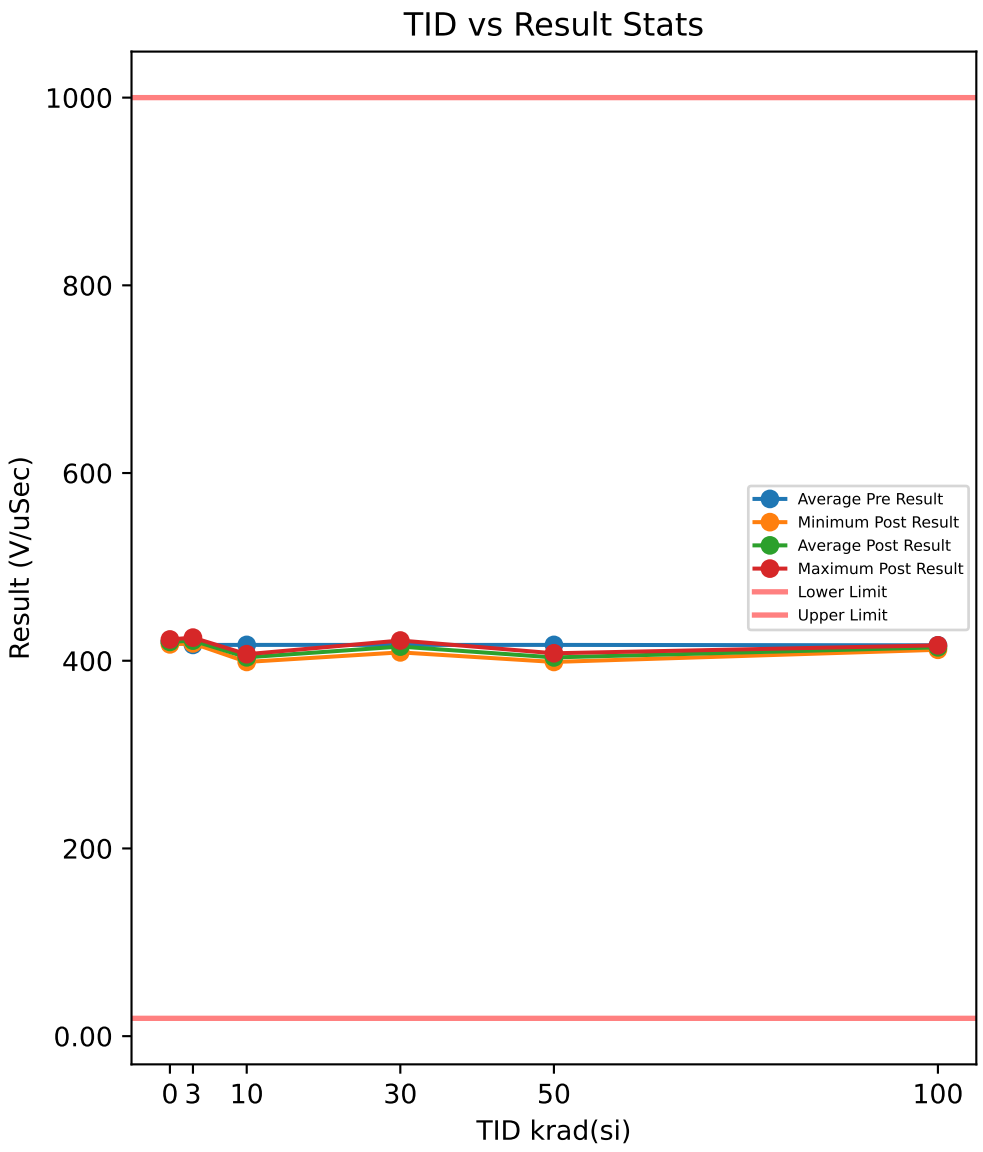

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 424.42 | 424.42 | 0 |
| 7 | 0 | Correlation | 426.69 | 426.69 | 0 |
| 16 | 3 | LDR-Biased | 424.39 | 429.93 | 5.538 |
| 18 | 3 | LDR-Biased | 420.29 | 425.64 | 5.349 |
| 19 | 3 | LDR-Biased | 423.56 | 423.89 | 0.321 |
| 20 | 3 | LDR-Biased | 426.39 | 427.6 | 1.209 |
| 21 | 3 | LDR-Biased | 424.33 | 427.63 | 3.304 |
| 22 | 3 | LDR-Unbiased | 424.44 | 428.72 | 4.288 |
| 23 | 3 | LDR-Unbiased | 423.56 | 428.09 | 4.528 |
| 25 | 3 | LDR-Unbiased | 425.08 | 426.19 | 1.109 |
| 26 | 3 | LDR-Unbiased | 423.14 | 426.68 | 3.546 |
| 27 | 3 | LDR-Unbiased | 422.98 | 425.36 | 2.371 |
| 46 | 10 | LDR-Biased | 424.39 | 409.14 | -15.25 |
| 48 | 10 | LDR-Biased | 420.29 | 406.23 | -14.064 |
| 49 | 10 | LDR-Biased | 423.56 | 407.3 | -16.266 |
| 50 | 10 | LDR-Biased | 426.39 | 409.07 | -17.326 |
| 51 | 10 | LDR-Biased | 424.33 | 405.08 | -19.241 |
| 52 | 10 | LDR-Unbiased | 424.44 | 404.7 | -19.739 |
| 53 | 10 | LDR-Unbiased | 423.56 | 405.56 | -17.998 |
| 55 | 10 | LDR-Unbiased | 425.08 | 409.45 | -15.634 |
| 56 | 10 | LDR-Unbiased | 423.14 | 408.88 | -14.26 |
| 57 | 10 | LDR-Unbiased | 422.98 | 406.75 | -16.236 |
| 76 | 30 | LDR-Biased | 424.39 | 426.93 | 2.54 |
| 78 | 30 | LDR-Biased | 420.29 | 423.06 | 2.77 |
| 79 | 30 | LDR-Biased | 423.56 | 426.54 | 2.973 |
| 80 | 30 | LDR-Biased | 426.39 | 433.16 | 6.767 |
| 81 | 30 | LDR-Biased | 424.33 | 424.33 | 0.001 |
| 82 | 30 | LDR-Unbiased | 424.44 | 419.62 | -4.812 |
| 83 | 30 | LDR-Unbiased | 423.56 | 430.35 | 6.791 |
| 84 | 30 | LDR-Unbiased | 422.98 | 425.34 | 2.354 |
| 85 | 30 | LDR-Unbiased | 425.08 | 422.26 | -2.817 |
| 86 | 30 | LDR-Unbiased | 423.14 | 424.78 | 1.64 |
| 87 | 100 | LDR-Biased | 426.8 | 421.49 | -5.306 |
| 88 | 100 | LDR-Biased | 423.94 | 421.8 | -2.142 |
| 90 | 100 | LDR-Biased | 422.17 | 422.08 | -0.092 |
| 91 | 100 | LDR-Unbiased | 421 | 419.73 | -1.277 |
| 93 | 100 | LDR-Unbiased | 425.85 | 419.54 | -6.312 |
| 94 | 100 | LDR-Unbiased | 424 | 422.85 | -1.147 |
| 95 | 100 | LDR-Unbiased | 422.3 | 421.72 | -0.584 |
| 96 | 100 | LDR-Unbiased | 422.13 | 420.11 | -2.029 |
| 106 | 50 | LDR-Biased | 424.39 | 410.9 | -13.485 |
| 108 | 50 | LDR-Biased | 420.29 | 405.39 | -14.907 |
| 109 | 50 | LDR-Biased | 423.56 | 406.39 | -17.174 |
| 110 | 50 | LDR-Biased | 426.39 | 408.53 | -17.862 |
| 111 | 50 | LDR-Biased | 424.33 | 409.07 | -15.251 |
| 112 | 50 | LDR-Unbiased | 424.44 | 407.75 | -16.689 |
| 113 | 50 | LDR-Unbiased | 423.56 | 405.83 | -17.729 |
| 115 | 50 | LDR-Unbiased | 425.08 | 405.18 | -19.907 |
| 116 | 50 | LDR-Unbiased | 423.14 | 407.07 | -16.07 |
| 117 | 50 | LDR-Unbiased | 422.98 | 407.41 | -15.573 |

Test Statistics (V/uSec)

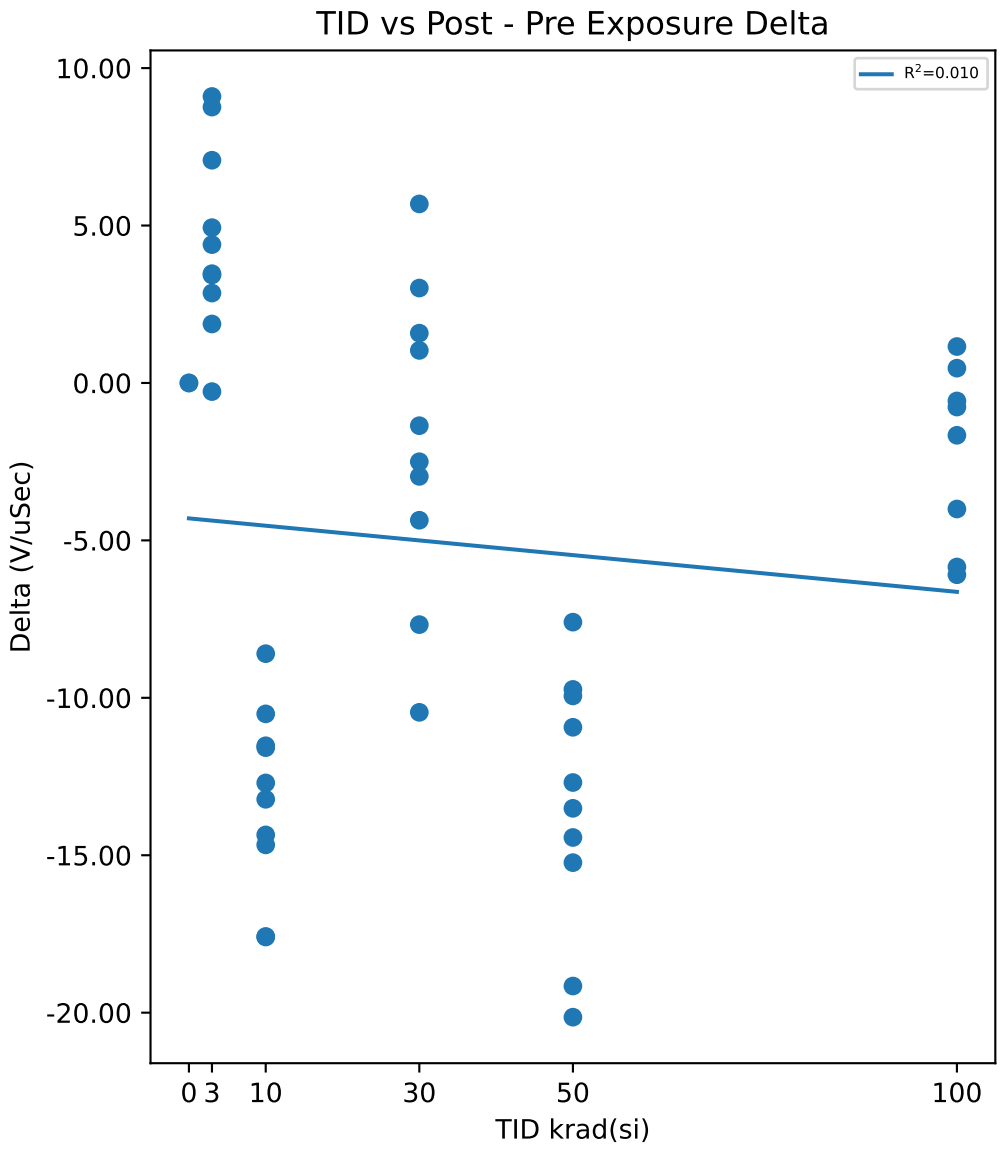
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 424.42 | 425.56 | 426.69 | 1.6016 | 424.42 | 425.56 | 426.69 | 1.6016 | 0 | 0 | 0 | 0 |
| 3 | 420.29 | 423.82 | 426.39 | 1.595 | 423.89 | 426.97 | 429.93 | 1.7786 | 0.321 | 3.1563 | 5.538 | 1.8395 |
| 10 | 420.29 | 423.82 | 426.39 | 1.595 | 404.7 | 407.22 | 409.45 | 1.8161 | -19.739 | -16.601 | -14.064 | 1.9498 |
| 30 | 420.29 | 423.82 | 426.39 | 1.595 | 419.62 | 425.64 | 433.16 | 3.9157 | -4.812 | 1.8207 | 6.791 | 3.6674 |
| 50 | 420.29 | 423.82 | 426.39 | 1.595 | 405.18 | 407.35 | 410.9 | 1.7965 | -19.907 | -16.465 | -13.485 | 1.8161 |
| 100 | 421 | 423.53 | 426.8 | 2.0044 | 419.54 | 421.16 | 422.85 | 1.2149 | -6.312 | -2.3611 | -0.092 | 2.2487 |

# Device Test: 19.38 tsr_EN3_Rising/EN3/7/14/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

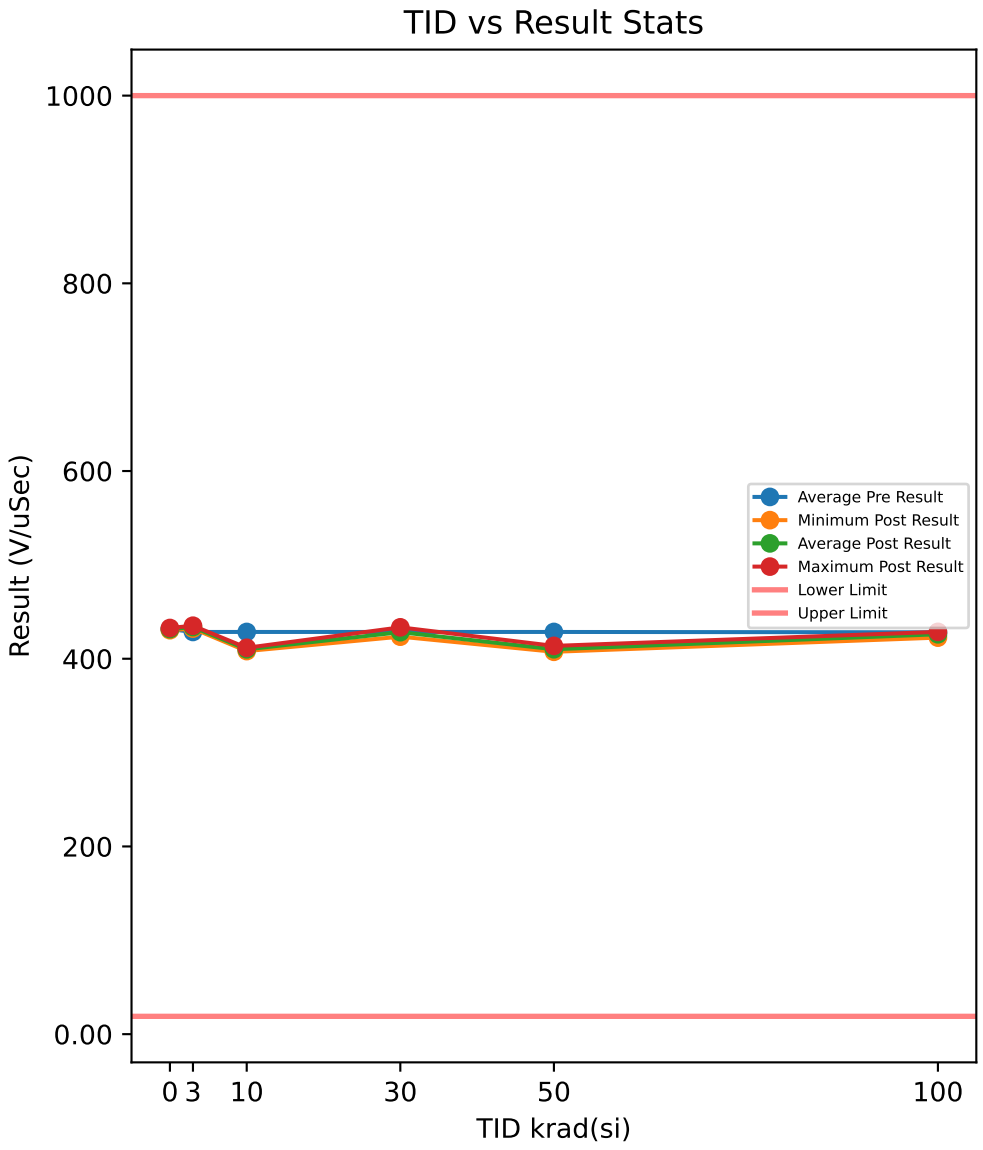
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 417.45 | 417.45 | 0 |
| 7 | 0 | Correlation | 422.69 | 422.69 | 0 |
| 16 | 3 | LDR-Biased | 415.23 | 424.33 | 9.099 |
| 18 | 3 | LDR-Biased | 416.32 | 419.18 | 2.855 |
| 19 | 3 | LDR-Biased | 415.87 | 424.64 | 8.762 |
| 20 | 3 | LDR-Biased | 415.55 | 419.94 | 4.394 |
| 21 | 3 | LDR-Biased | 418.11 | 423.05 | 4.933 |
| 22 | 3 | LDR-Unbiased | 415.43 | 422.51 | 7.074 |
| 23 | 3 | LDR-Unbiased | 421.39 | 421.12 | -0.274 |
| 25 | 3 | LDR-Unbiased | 417.87 | 421.3 | 3.429 |
| 26 | 3 | LDR-Unbiased | 416.35 | 419.82 | 3.471 |
| 27 | 3 | LDR-Unbiased | 416.6 | 418.47 | 1.873 |
| 46 | 10 | LDR-Biased | 415.23 | 404.72 | -10.51 |
| 48 | 10 | LDR-Biased | 416.32 | 398.73 | -17.597 |
| 49 | 10 | LDR-Biased | 415.87 | 404.35 | -11.523 |
| 50 | 10 | LDR-Biased | 415.55 | 406.95 | -8.598 |
| 51 | 10 | LDR-Biased | 418.11 | 404.89 | -13.223 |
| 52 | 10 | LDR-Unbiased | 415.43 | 402.73 | -12.703 |
| 53 | 10 | LDR-Unbiased | 421.39 | 403.81 | -17.58 |
| 55 | 10 | LDR-Unbiased | 417.87 | 403.2 | -14.671 |
| 56 | 10 | LDR-Unbiased | 416.35 | 404.77 | -11.583 |
| 57 | 10 | LDR-Unbiased | 416.6 | 402.24 | -14.354 |
| 76 | 30 | LDR-Biased | 415.23 | 418.24 | 3.015 |
| 78 | 30 | LDR-Biased | 416.32 | 417.36 | 1.034 |
| 79 | 30 | LDR-Biased | 415.87 | 421.56 | 5.686 |
| 80 | 30 | LDR-Biased | 415.55 | 412.58 | -2.967 |
| 81 | 30 | LDR-Biased | 418.11 | 415.61 | -2.502 |
| 82 | 30 | LDR-Unbiased | 415.43 | 411.07 | -4.36 |
| 83 | 30 | LDR-Unbiased | 421.39 | 410.93 | -10.461 |
| 84 | 30 | LDR-Unbiased | 416.6 | 408.92 | -7.675 |
| 85 | 30 | LDR-Unbiased | 417.87 | 416.51 | -1.357 |
| 86 | 30 | LDR-Unbiased | 416.35 | 417.93 | 1.582 |
| 87 | 100 | LDR-Biased | 419.39 | 415.39 | -4.003 |
| 88 | 100 | LDR-Biased | 414.47 | 414.94 | 0.47 |
| 90 | 100 | LDR-Biased | 416.89 | 416.13 | -0.765 |
| 91 | 100 | LDR-Unbiased | 413.97 | 412.31 | -1.662 |
| 93 | 100 | LDR-Unbiased | 417.75 | 411.66 | -6.091 |
| 94 | 100 | LDR-Unbiased | 415.26 | 416.42 | 1.157 |
| 95 | 100 | LDR-Unbiased | 417.95 | 412.1 | -5.845 |
| 96 | 100 | LDR-Unbiased | 415.88 | 415.31 | -0.571 |
| 106 | 50 | LDR-Biased | 415.23 | 405.49 | -9.733 |
| 108 | 50 | LDR-Biased | 416.32 | 401.09 | -15.235 |
| 109 | 50 | LDR-Biased | 415.87 | 405.93 | -9.94 |
| 110 | 50 | LDR-Biased | 415.55 | 407.95 | -7.597 |
| 111 | 50 | LDR-Biased | 418.11 | 405.42 | -12.69 |
| 112 | 50 | LDR-Unbiased | 415.43 | 401 | -14.436 |
| 113 | 50 | LDR-Unbiased | 421.39 | 401.25 | -20.143 |
| 115 | 50 | LDR-Unbiased | 417.87 | 398.72 | -19.154 |
| 116 | 50 | LDR-Unbiased | 416.35 | 402.84 | -13.51 |
| 117 | 50 | LDR-Unbiased | 416.6 | 405.66 | -10.936 |




Test Statistics (V/uSec)

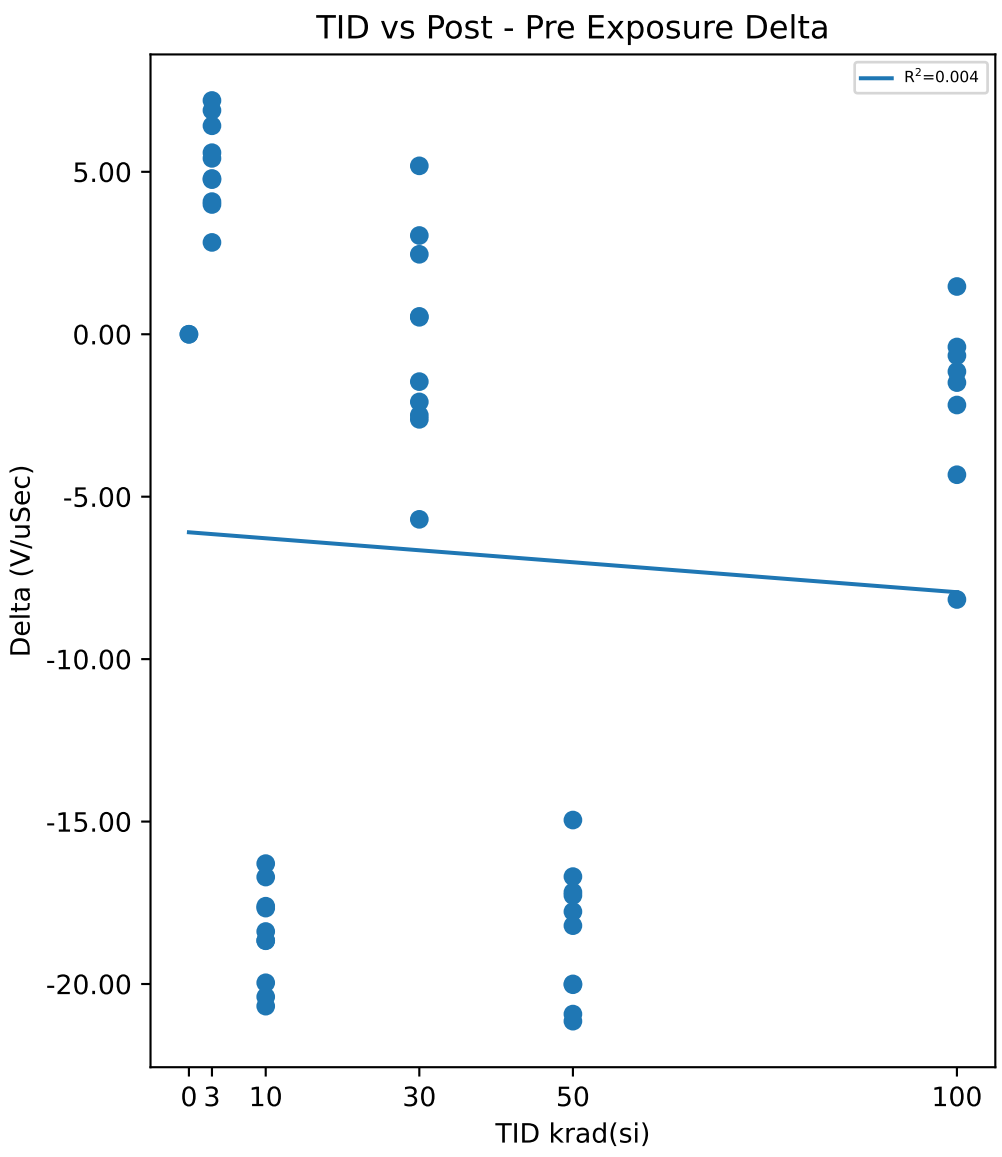
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 417.45 | 420.07 | 422.69 | 3.7031 | 417.45 | 420.07 | 422.69 | 3.7031 | 0 | 0 | 0 | 0 |
| 3 | 415.23 | 416.87 | 421.39 | 1.8593 | 418.47 | 421.43 | 424.64 | 2.1394 | -0.274 | 4.5616 | 9.099 | 2.9945 |
| 10 | 415.23 | 416.87 | 421.39 | 1.8593 | 398.73 | 403.64 | 406.95 | 2.176 | -17.597 | -13.234 | -8.598 | 2.9077 |
| 30 | 415.23 | 416.87 | 421.39 | 1.8593 | 408.92 | 415.07 | 421.56 | 4.0154 | -10.461 | -1.8005 | 5.686 | 4.9083 |
| 50 | 415.23 | 416.87 | 421.39 | 1.8593 | 398.72 | 403.54 | 407.95 | 2.9542 | -20.143 | -13.337 | -7.597 | 4.0642 |
| 100 | 413.97 | 416.45 | 419.39 | 1.874 | 411.66 | 414.28 | 416.42 | 1.9353 | -6.091 | -2.1637 | 1.157 | 2.8048 |

# Device Test: 19.39 tsr_EN4_Rising/EN4/7/14/0/0/0/@EN_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

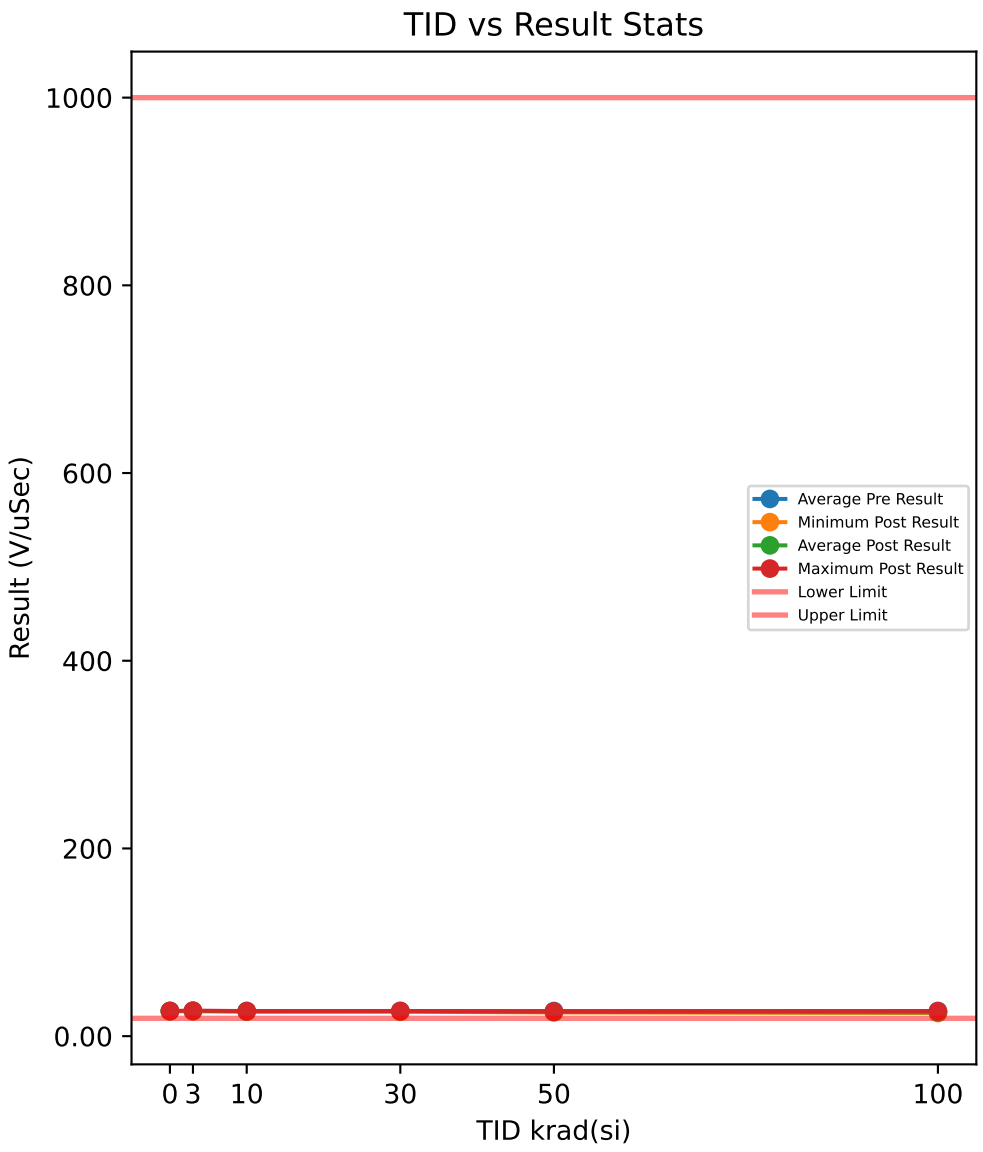
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 430.4 | 430.4 | 0 |
| 7 | 0 | Correlation | 432.76 | 432.76 | 0 |
| 16 | 3 | LDR-Biased | 428.58 | 433.37 | 4.795 |
| 18 | 3 | LDR-Biased | 429.3 | 432.13 | 2.827 |
| 19 | 3 | LDR-Biased | 427.74 | 432.5 | 4.759 |
| 20 | 3 | LDR-Biased | 428.65 | 435.06 | 6.417 |
| 21 | 3 | LDR-Biased | 428.29 | 433.88 | 5.589 |
| 22 | 3 | LDR-Unbiased | 428 | 435.19 | 7.196 |
| 23 | 3 | LDR-Unbiased | 429.16 | 434.57 | 5.414 |
| 25 | 3 | LDR-Unbiased | 428.55 | 432.63 | 4.083 |
| 26 | 3 | LDR-Unbiased | 429.21 | 433.2 | 3.994 |
| 27 | 3 | LDR-Unbiased | 427.96 | 434.85 | 6.891 |
| 46 | 10 | LDR-Biased | 428.58 | 410.97 | -17.605 |
| 48 | 10 | LDR-Biased | 429.3 | 408.62 | -20.682 |
| 49 | 10 | LDR-Biased | 427.74 | 411.03 | -16.708 |
| 50 | 10 | LDR-Biased | 428.65 | 410.98 | -17.664 |
| 51 | 10 | LDR-Biased | 428.29 | 409.9 | -18.384 |
| 52 | 10 | LDR-Unbiased | 428 | 409.33 | -18.669 |
| 53 | 10 | LDR-Unbiased | 429.16 | 409.2 | -19.962 |
| 55 | 10 | LDR-Unbiased | 428.55 | 408.15 | -20.394 |
| 56 | 10 | LDR-Unbiased | 429.21 | 410.55 | -18.659 |
| 57 | 10 | LDR-Unbiased | 427.96 | 411.66 | -16.294 |
| 76 | 30 | LDR-Biased | 428.58 | 429.1 | 0.522 |
| 78 | 30 | LDR-Biased | 429.3 | 426.81 | -2.491 |
| 79 | 30 | LDR-Biased | 427.74 | 430.78 | 3.04 |
| 80 | 30 | LDR-Biased | 428.65 | 427.19 | -1.458 |
| 81 | 30 | LDR-Biased | 428.29 | 433.47 | 5.184 |
| 82 | 30 | LDR-Unbiased | 428 | 425.91 | -2.082 |
| 83 | 30 | LDR-Unbiased | 429.16 | 429.71 | 0.55 |
| 84 | 30 | LDR-Unbiased | 427.96 | 430.42 | 2.461 |
| 85 | 30 | LDR-Unbiased | 428.55 | 425.93 | -2.619 |
| 86 | 30 | LDR-Unbiased | 429.21 | 423.51 | -5.697 |
| 87 | 100 | LDR-Biased | 430.67 | 422.5 | -8.164 |
| 88 | 100 | LDR-Biased | 427.66 | 427.01 | -0.658 |
| 90 | 100 | LDR-Biased | 426.97 | 424.79 | -2.178 |
| 91 | 100 | LDR-Unbiased | 427.62 | 426.47 | -1.148 |
| 93 | 100 | LDR-Unbiased | 428.92 | 424.59 | -4.324 |
| 94 | 100 | LDR-Unbiased | 426.19 | 427.66 | 1.47 |
| 95 | 100 | LDR-Unbiased | 430.1 | 428.62 | -1.488 |
| 96 | 100 | LDR-Unbiased | 427.34 | 426.95 | -0.392 |
| 106 | 50 | LDR-Biased | 428.58 | 410.37 | -18.204 |
| 108 | 50 | LDR-Biased | 429.3 | 409.3 | -19.997 |
| 109 | 50 | LDR-Biased | 427.74 | 411.04 | -16.694 |
| 110 | 50 | LDR-Biased | 428.65 | 413.69 | -14.953 |
| 111 | 50 | LDR-Biased | 428.29 | 410.51 | -17.772 |
| 112 | 50 | LDR-Unbiased | 428 | 410.72 | -17.273 |
| 113 | 50 | LDR-Unbiased | 429.16 | 409.14 | -20.022 |
| 115 | 50 | LDR-Unbiased | 428.55 | 407.4 | -21.144 |
| 116 | 50 | LDR-Unbiased | 429.21 | 408.29 | -20.926 |
| 117 | 50 | LDR-Unbiased | 427.96 | 410.79 | -17.173 |




Test Statistics (V/uSec)

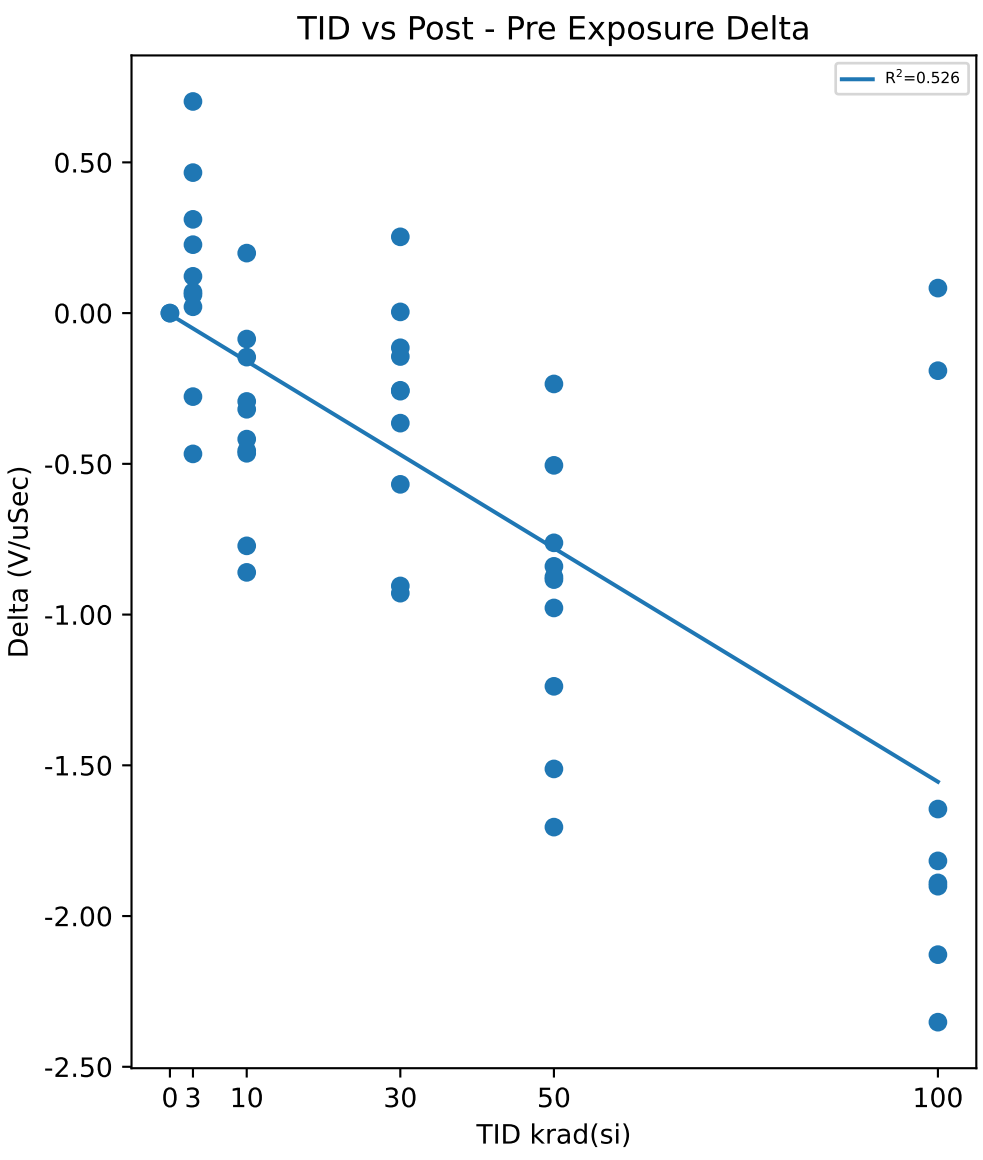
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 430.4 | 431.58 | 432.76 | 1.6652 | 430.4 | 431.58 | 432.76 | 1.6652 | 0 | 0 | 0 | 0 |
| 3 | 427.74 | 428.54 | 429.3 | 0.55457 | 432.13 | 433.74 | 435.19 | 1.1356 | 2.827 | 5.1965 | 7.196 | 1.383 |
| 10 | 427.74 | 428.54 | 429.3 | 0.55457 | 408.15 | 410.04 | 411.66 | 1.1766 | -20.682 | -18.502 | -16.294 | 1.4956 |
| 30 | 427.74 | 428.54 | 429.3 | 0.55457 | 423.51 | 428.28 | 433.47 | 2.9379 | -5.697 | -0.259 | 5.184 | 3.2328 |
| 50 | 427.74 | 428.54 | 429.3 | 0.55457 | 407.4 | 410.13 | 413.69 | 1.7333 | -21.144 | -18.416 | -14.953 | 2.03 |
| 100 | 426.19 | 428.18 | 430.67 | 1.5656 | 422.5 | 426.07 | 428.62 | 1.977 | -8.164 | -2.1102 | 1.47 | 2.9458 |

# Device Test: 19.4 tsr_PWRGD_Rising/PWRGD/1.6/3/0/0/0/@PWRGD_SLEW_RATE_RISE




Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

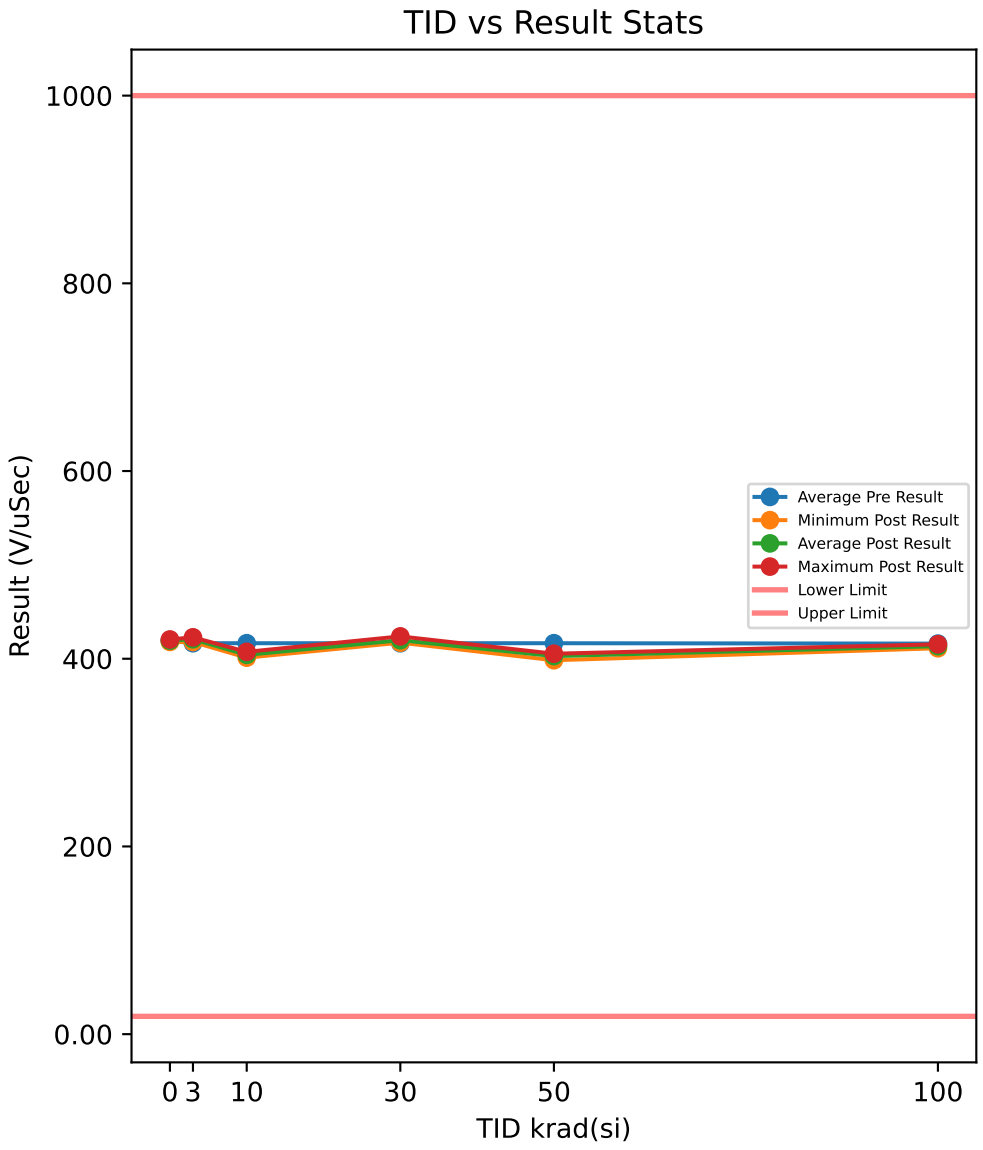
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 26.588 | 26.588 | 0 |
| 7 | 0 | Correlation | 26.859 | 26.859 | 0 |
| 16 | 3 | LDR-Biased | 26.664 | 27.13 | 0.466 |
| 18 | 3 | LDR-Biased | 26.656 | 26.778 | 0.122 |
| 19 | 3 | LDR-Biased | 26.801 | 26.871 | 0.07 |
| 20 | 3 | LDR-Biased | 26.514 | 27.216 | 0.702 |
| 21 | 3 | LDR-Biased | 26.979 | 27 | 0.021 |
| 22 | 3 | LDR-Unbiased | 26.645 | 26.956 | 0.311 |
| 23 | 3 | LDR-Unbiased | 27.029 | 26.752 | -0.277 |
| 25 | 3 | LDR-Unbiased | 26.931 | 26.464 | -0.467 |
| 26 | 3 | LDR-Unbiased | 26.823 | 26.884 | 0.061 |
| 27 | 3 | LDR-Unbiased | 26.717 | 26.944 | 0.227 |
| 46 | 10 | LDR-Biased | 26.664 | 26.518 | -0.146 |
| 48 | 10 | LDR-Biased | 26.656 | 26.363 | -0.293 |
| 49 | 10 | LDR-Biased | 26.801 | 26.345 | -0.456 |
| 50 | 10 | LDR-Biased | 26.514 | 26.713 | 0.199 |
| 51 | 10 | LDR-Biased | 26.979 | 26.561 | -0.418 |
| 52 | 10 | LDR-Unbiased | 26.645 | 26.559 | -0.086 |
| 53 | 10 | LDR-Unbiased | 27.029 | 26.257 | -0.772 |
| 55 | 10 | LDR-Unbiased | 26.931 | 26.071 | -0.86 |
| 56 | 10 | LDR-Unbiased | 26.823 | 26.358 | -0.465 |
| 57 | 10 | LDR-Unbiased | 26.717 | 26.398 | -0.319 |
| 76 | 30 | LDR-Biased | 26.664 | 26.668 | 0.004 |
| 78 | 30 | LDR-Biased | 26.656 | 26.4 | -0.256 |
| 79 | 30 | LDR-Biased | 26.801 | 26.542 | -0.259 |
| 80 | 30 | LDR-Biased | 26.514 | 26.767 | 0.253 |
| 81 | 30 | LDR-Biased | 26.979 | 26.835 | -0.144 |
| 82 | 30 | LDR-Unbiased | 26.645 | 26.53 | -0.115 |
| 83 | 30 | LDR-Unbiased | 27.029 | 26.124 | -0.905 |
| 84 | 30 | LDR-Unbiased | 26.717 | 26.352 | -0.365 |
| 85 | 30 | LDR-Unbiased | 26.931 | 26.002 | -0.929 |
| 86 | 30 | LDR-Unbiased | 26.823 | 26.255 | -0.568 |
| 87 | 100 | LDR-Biased | 27.08 | 24.728 | -2.352 |
| 88 | 100 | LDR-Biased | 26.551 | 26.634 | 0.083 |
| 90 | 100 | LDR-Biased | 26.721 | 26.53 | -0.191 |
| 91 | 100 | LDR-Unbiased | 26.582 | 24.681 | -1.901 |
| 93 | 100 | LDR-Unbiased | 26.841 | 24.713 | -2.128 |
| 94 | 100 | LDR-Unbiased | 26.714 | 25.069 | -1.645 |
| 95 | 100 | LDR-Unbiased | 26.954 | 25.064 | -1.89 |
| 96 | 100 | LDR-Unbiased | 26.72 | 24.903 | -1.817 |
| 106 | 50 | LDR-Biased | 26.664 | 26.159 | -0.505 |
| 108 | 50 | LDR-Biased | 26.656 | 25.781 | -0.875 |
| 109 | 50 | LDR-Biased | 26.801 | 26.039 | -0.762 |
| 110 | 50 | LDR-Biased | 26.514 | 26.279 | -0.235 |
| 111 | 50 | LDR-Biased | 26.979 | 26.095 | -0.884 |
| 112 | 50 | LDR-Unbiased | 26.645 | 25.805 | -0.84 |
| 113 | 50 | LDR-Unbiased | 27.029 | 25.517 | -1.512 |
| 115 | 50 | LDR-Unbiased | 26.931 | 25.226 | -1.705 |
| 116 | 50 | LDR-Unbiased | 26.823 | 25.585 | -1.238 |
| 117 | 50 | LDR-Unbiased | 26.717 | 25.739 | -0.978 |

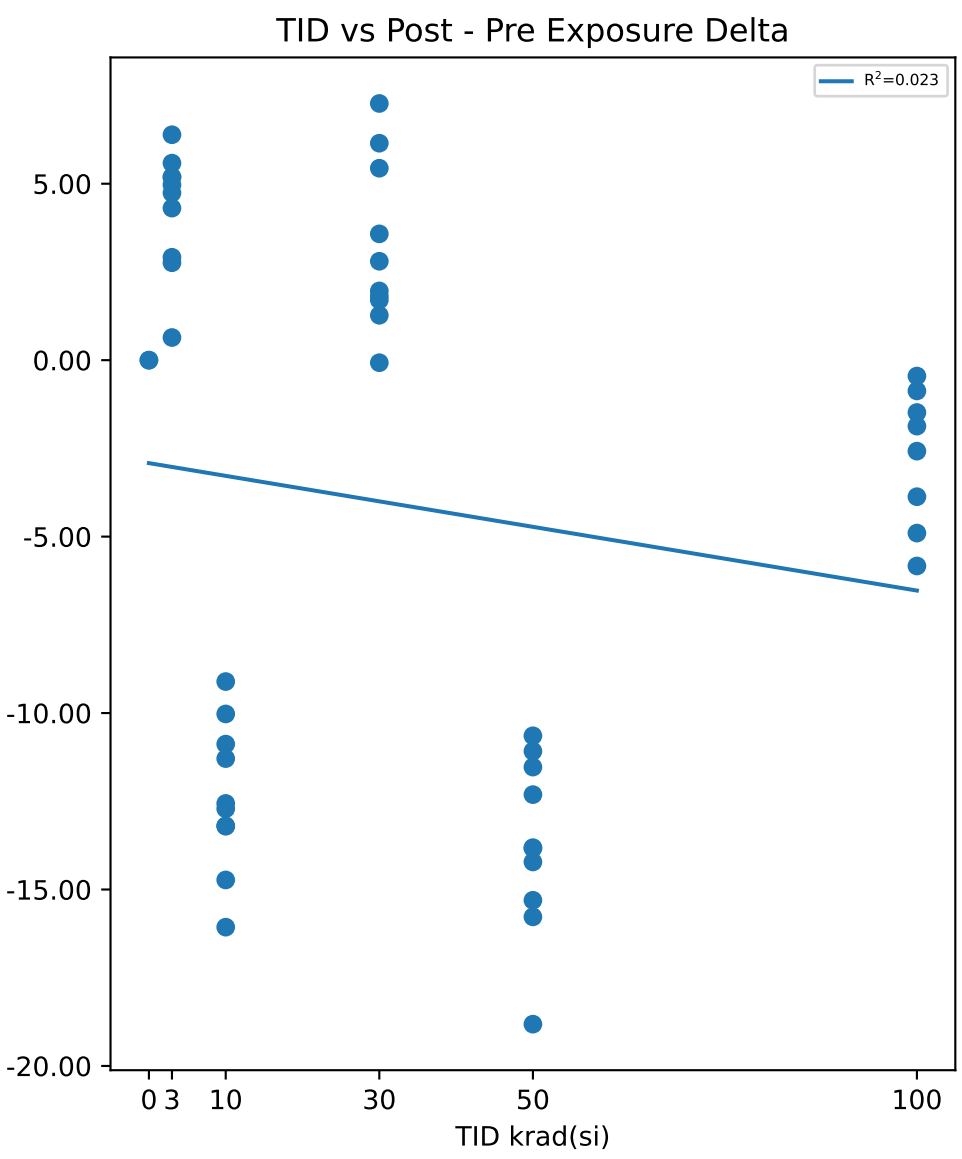



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 26.588 | 26.724 | 26.859 | 0.19163 | 26.588 | 26.724 | 26.859 | 0.19163 | 0 | 0 | 0 | 0 |
| 3 | 26.514 | 26.776 | 27.029 | 0.1661 | 26.464 | 26.899 | 27.216 | 0.20971 | -0.467 | 0.1236 | 0.702 | 0.33734 |
| 10 | 26.514 | 26.776 | 27.029 | 0.1661 | 26.071 | 26.414 | 26.713 | 0.18132 | -0.86 | -0.3616 | 0.199 | 0.3132 |
| 30 | 26.514 | 26.776 | 27.029 | 0.1661 | 26.002 | 26.448 | 26.835 | 0.27247 | -0.929 | -0.3284 | 0.253 | 0.3786 |
| 50 | 26.514 | 26.776 | 27.029 | 0.1661 | 25.226 | 25.823 | 26.279 | 0.32614 | -1.705 | -0.9534 | -0.235 | 0.43921 |
| 100 | 26.551 | 26.77 | 27.08 | 0.17982 | 24.681 | 25.29 | 26.634 | 0.81181 | -2.352 | -1.4801 | 0.083 | 0.90797 |

# Device Test: 19.40 tsr_PWRGD_Rising/PWRGD/7/14/0/0/0/@PWRGD_SLEW_RATE_RISE



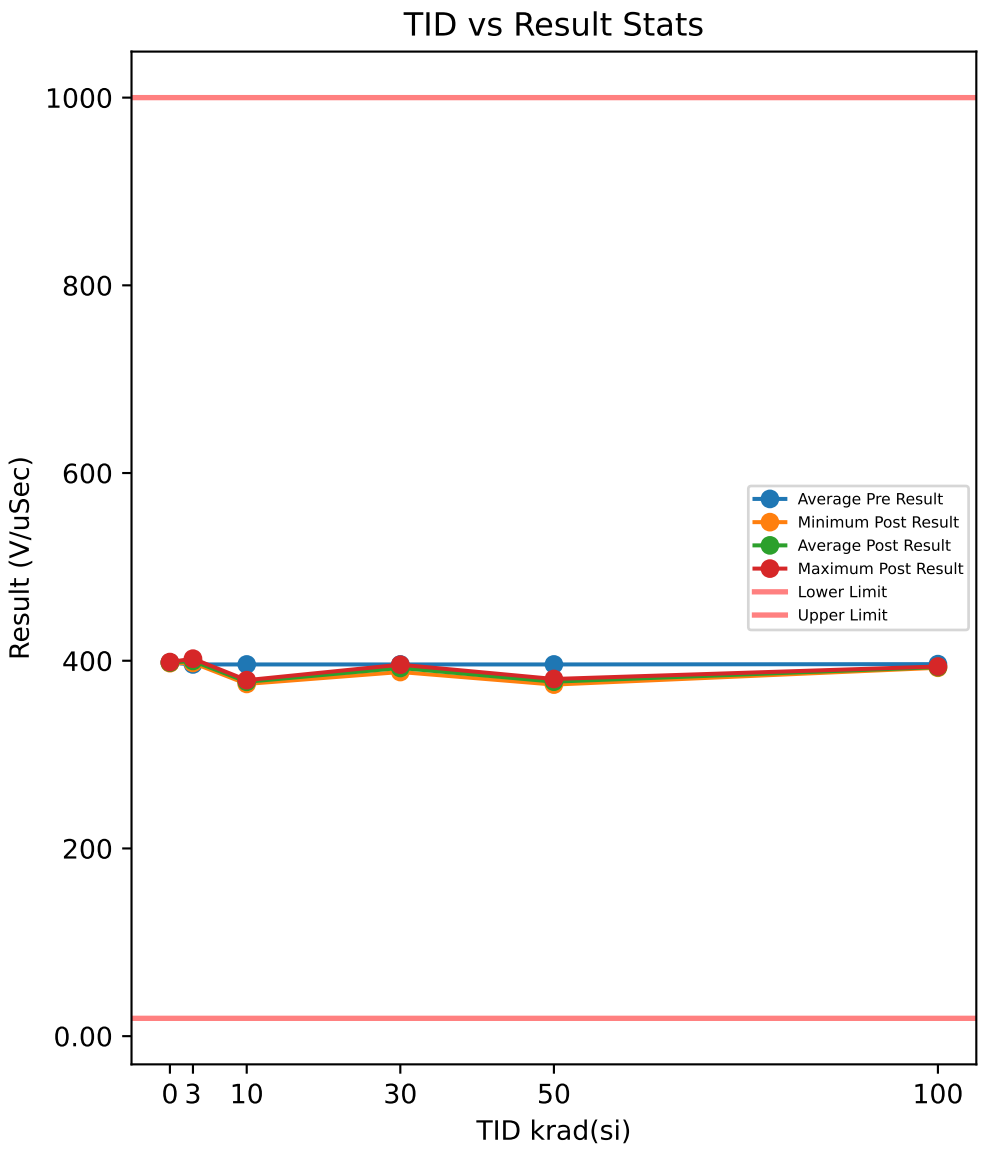

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

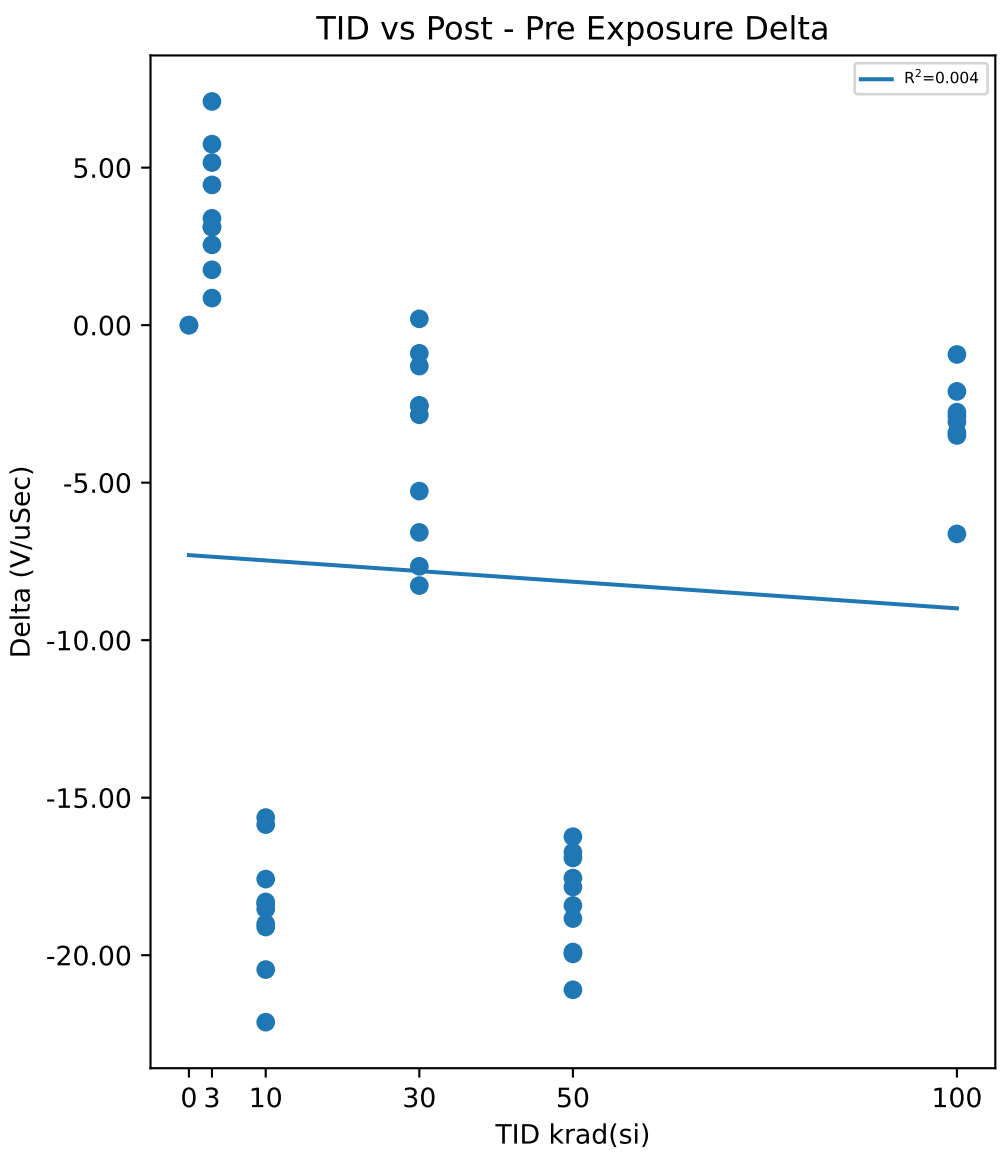
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 417.92 | 417.92 | 0 |
| 7 | 0 | Correlation | 420.55 | 420.55 | 0 |
| 16 | 3 | LDR-Biased | 416.55 | 421.73 | 5.189 |
| 18 | 3 | LDR-Biased | 415.85 | 420.81 | 4.967 |
| 19 | 3 | LDR-Biased | 415.63 | 418.39 | 2.761 |
| 20 | 3 | LDR-Biased | 416.43 | 422.82 | 6.388 |
| 21 | 3 | LDR-Biased | 417.15 | 422.34 | 5.187 |
| 22 | 3 | LDR-Unbiased | 415.69 | 421.27 | 5.584 |
| 23 | 3 | LDR-Unbiased | 416.54 | 419.46 | 2.916 |
| 25 | 3 | LDR-Unbiased | 417.22 | 417.86 | 0.642 |
| 26 | 3 | LDR-Unbiased | 417.31 | 422.05 | 4.739 |
| 27 | 3 | LDR-Unbiased | 416.98 | 421.29 | 4.309 |
| 46 | 10 | LDR-Biased | 416.55 | 403.34 | -13.206 |
| 48 | 10 | LDR-Biased | 415.85 | 404.56 | -11.29 |
| 49 | 10 | LDR-Biased | 415.63 | 404.75 | -10.88 |
| 50 | 10 | LDR-Biased | 416.43 | 407.33 | -9.107 |
| 51 | 10 | LDR-Biased | 417.15 | 404.44 | -12.711 |
| 52 | 10 | LDR-Unbiased | 415.69 | 405.67 | -10.025 |
| 53 | 10 | LDR-Unbiased | 416.54 | 401.81 | -14.729 |
| 55 | 10 | LDR-Unbiased | 417.22 | 401.15 | -16.067 |
| 56 | 10 | LDR-Unbiased | 417.31 | 404.75 | -12.561 |
| 57 | 10 | LDR-Unbiased | 416.98 | 403.78 | -13.196 |
| 76 | 30 | LDR-Biased | 416.55 | 420.12 | 3.579 |
| 78 | 30 | LDR-Biased | 415.85 | 418.65 | 2.803 |
| 79 | 30 | LDR-Biased | 415.63 | 417.33 | 1.704 |
| 80 | 30 | LDR-Biased | 416.43 | 422.58 | 6.148 |
| 81 | 30 | LDR-Biased | 417.15 | 422.59 | 5.439 |
| 82 | 30 | LDR-Unbiased | 415.69 | 417.65 | 1.962 |
| 83 | 30 | LDR-Unbiased | 416.54 | 423.81 | 7.274 |
| 84 | 30 | LDR-Unbiased | 416.98 | 418.25 | 1.272 |
| 85 | 30 | LDR-Unbiased | 417.22 | 417.15 | -0.072 |
| 86 | 30 | LDR-Unbiased | 417.31 | 419.13 | 1.817 |
| 87 | 100 | LDR-Biased | 417.75 | 411.92 | -5.832 |
| 88 | 100 | LDR-Biased | 416.27 | 415.4 | -0.872 |
| 90 | 100 | LDR-Biased | 415.43 | 414.98 | -0.45 |
| 91 | 100 | LDR-Unbiased | 415.04 | 411.17 | -3.869 |
| 93 | 100 | LDR-Unbiased | 417.22 | 412.32 | -4.9 |
| 94 | 100 | LDR-Unbiased | 415.65 | 414.17 | -1.483 |
| 95 | 100 | LDR-Unbiased | 416.35 | 414.48 | -1.869 |
| 96 | 100 | LDR-Unbiased | 415.3 | 412.72 | -2.578 |
| 106 | 50 | LDR-Biased | 416.55 | 405.01 | -11.531 |
| 108 | 50 | LDR-Biased | 415.85 | 402.02 | -13.828 |
| 109 | 50 | LDR-Biased | 415.63 | 401.82 | -13.815 |
| 110 | 50 | LDR-Biased | 416.43 | 405.35 | -11.081 |
| 111 | 50 | LDR-Biased | 417.15 | 404.84 | -12.311 |
| 112 | 50 | LDR-Unbiased | 415.69 | 405.05 | -10.644 |
| 113 | 50 | LDR-Unbiased | 416.54 | 401.24 | -15.305 |
| 115 | 50 | LDR-Unbiased | 417.22 | 398.4 | -18.816 |
| 116 | 50 | LDR-Unbiased | 417.31 | 401.54 | -15.775 |
| 117 | 50 | LDR-Unbiased | 416.98 | 402.76 | -14.219 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 417.92 | 419.23 | 420.55 | 1.8597 | 417.92 | 419.23 | 420.55 | 1.8597 | 0 | 0 | 0 | 0 |
| 3 | 415.63 | 416.54 | 417.31 | 0.63814 | 417.86 | 420.8 | 422.82 | 1.6861 | 0.642 | 4.2682 | 6.388 | 1.6957 |
| 10 | 415.63 | 416.54 | 417.31 | 0.63814 | 401.15 | 404.16 | 407.33 | 1.7825 | -16.067 | -12.377 | -9.107 | 2.116 |
| 30 | 415.63 | 416.54 | 417.31 | 0.63814 | 417.15 | 419.73 | 423.81 | 2.4403 | -0.072 | 3.1926 | 7.274 | 2.3737 |
| 50 | 415.63 | 416.54 | 417.31 | 0.63814 | 398.4 | 402.8 | 405.35 | 2.2503 | -18.816 | -13.733 | -10.644 | 2.4983 |
| 100 | 415.04 | 416.13 | 417.75 | 0.96239 | 411.17 | 413.4 | 415.4 | 1.5603 | -5.832 | -2.7316 | -0.45 | 1.9493 |

# Device Test: 19.41 tsr_SEQ_Rising/SEQ_DONE/7/14/0/0/0/@SEQ_DONE_SLEW_RATE_RISE



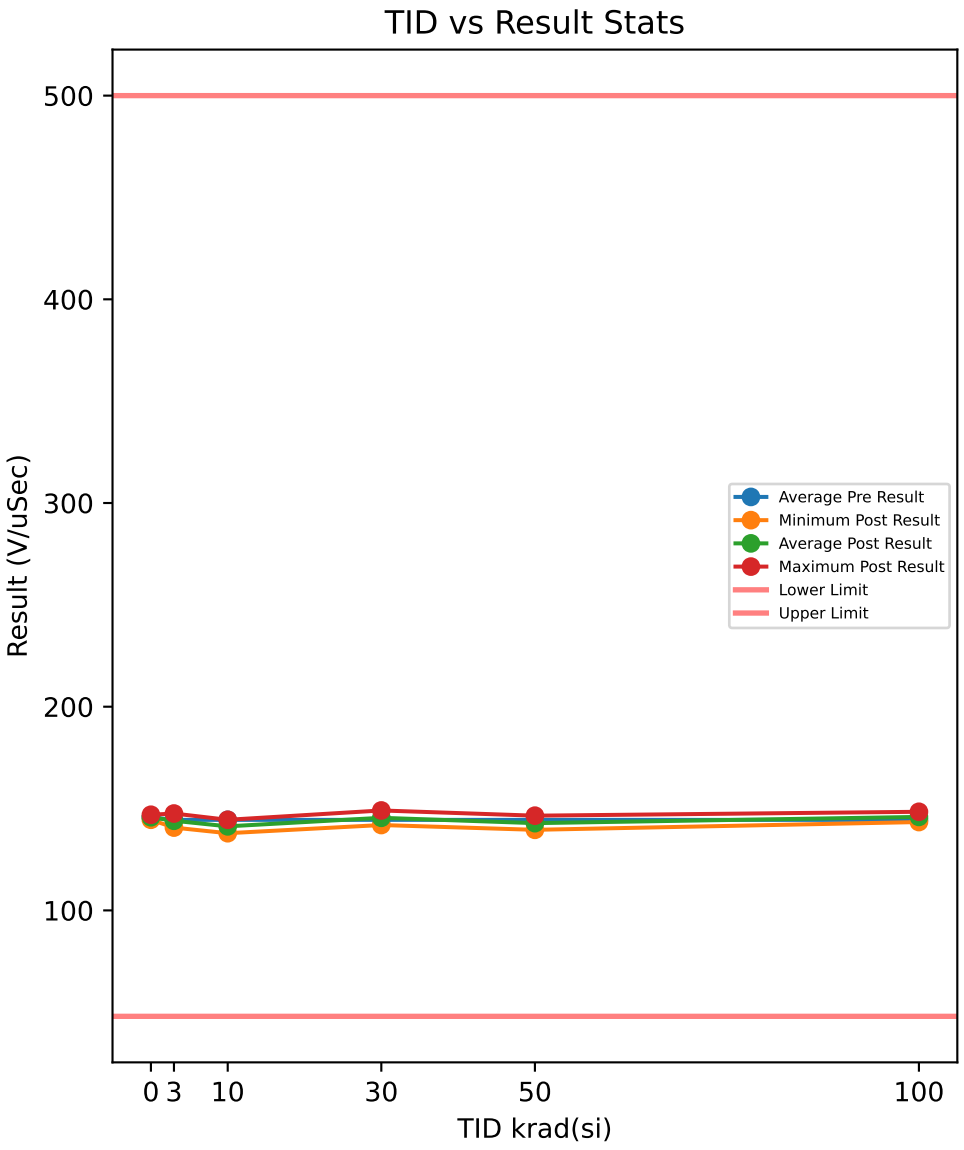

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

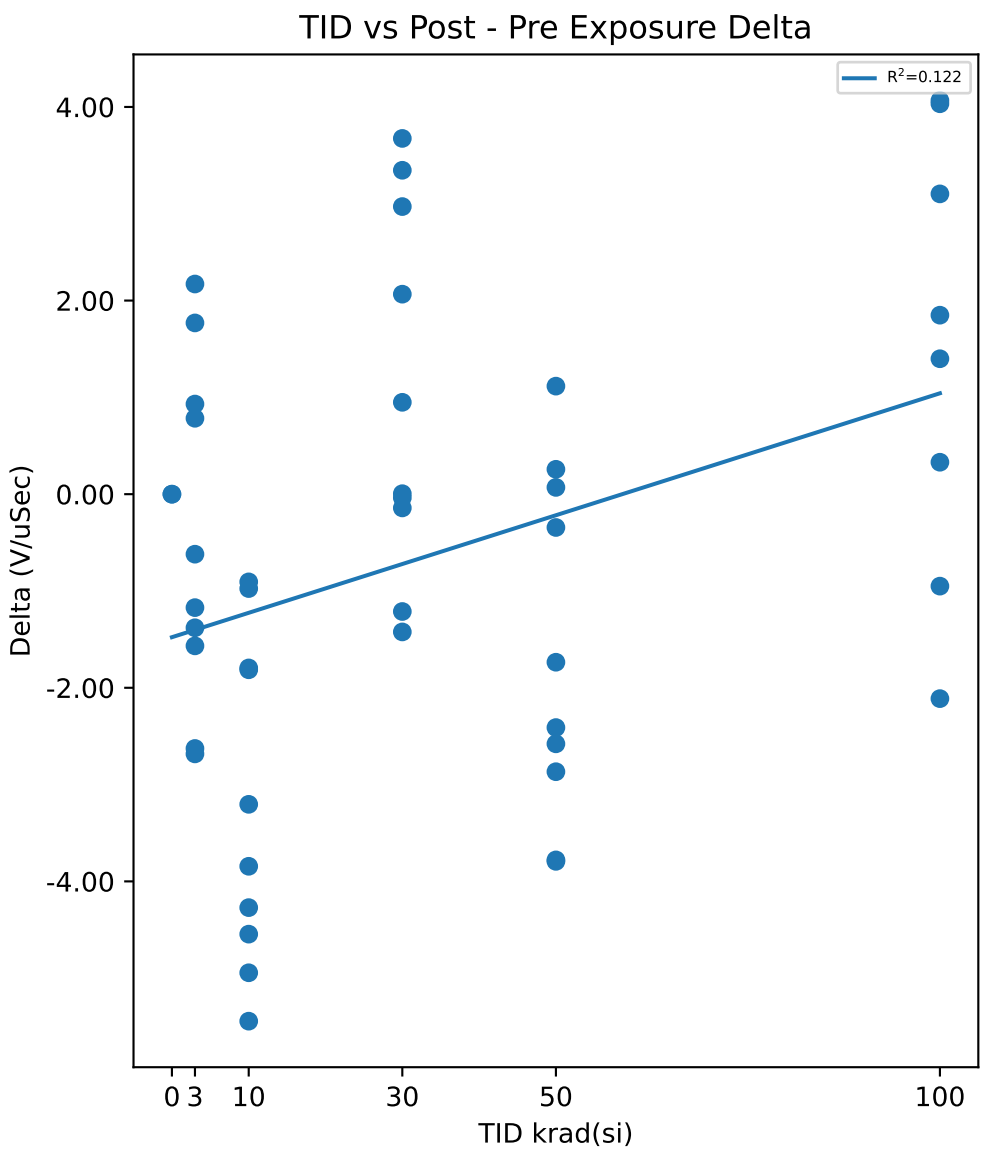
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 398.59 | 398.59 | 0 |
| 7 | 0 | Correlation | 397.38 | 397.38 | 0 |
| 16 | 3 | LDR-Biased | 398.01 | 398.87 | 0.859 |
| 18 | 3 | LDR-Biased | 394.55 | 400.29 | 5.745 |
| 19 | 3 | LDR-Biased | 395.26 | 398.65 | 3.391 |
| 20 | 3 | LDR-Biased | 398.41 | 400.96 | 2.549 |
| 21 | 3 | LDR-Biased | 397.41 | 399.17 | 1.757 |
| 22 | 3 | LDR-Unbiased | 395.12 | 402.22 | 7.1 |
| 23 | 3 | LDR-Unbiased | 397.08 | 401.53 | 4.452 |
| 25 | 3 | LDR-Unbiased | 394.54 | 397.66 | 3.121 |
| 26 | 3 | LDR-Unbiased | 396.11 | 399.21 | 3.107 |
| 27 | 3 | LDR-Unbiased | 394.08 | 399.24 | 5.162 |
| 46 | 10 | LDR-Biased | 398.01 | 377.56 | -20.456 |
| 48 | 10 | LDR-Biased | 394.55 | 376.01 | -18.535 |
| 49 | 10 | LDR-Biased | 395.26 | 376.95 | -18.31 |
| 50 | 10 | LDR-Biased | 398.41 | 379.31 | -19.106 |
| 51 | 10 | LDR-Biased | 397.41 | 375.29 | -22.126 |
| 52 | 10 | LDR-Unbiased | 395.12 | 379.26 | -15.855 |
| 53 | 10 | LDR-Unbiased | 397.08 | 378.08 | -19.002 |
| 55 | 10 | LDR-Unbiased | 394.54 | 376.17 | -18.367 |
| 56 | 10 | LDR-Unbiased | 396.11 | 378.52 | -17.584 |
| 57 | 10 | LDR-Unbiased | 394.08 | 378.45 | -15.631 |
| 76 | 30 | LDR-Biased | 398.01 | 390.36 | -7.655 |
| 78 | 30 | LDR-Biased | 394.55 | 387.97 | -6.579 |
| 79 | 30 | LDR-Biased | 395.26 | 392.72 | -2.545 |
| 80 | 30 | LDR-Biased | 398.41 | 395.57 | -2.846 |
| 81 | 30 | LDR-Biased | 397.41 | 389.14 | -8.267 |
| 82 | 30 | LDR-Unbiased | 395.12 | 395.32 | 0.2 |
| 83 | 30 | LDR-Unbiased | 397.08 | 395.78 | -1.299 |
| 84 | 30 | LDR-Unbiased | 394.08 | 393.19 | -0.894 |
| 85 | 30 | LDR-Unbiased | 394.54 | 391.97 | -2.568 |
| 86 | 30 | LDR-Unbiased | 396.11 | 390.84 | -5.268 |
| 87 | 100 | LDR-Biased | 396.8 | 393.72 | -3.075 |
| 88 | 100 | LDR-Biased | 395.91 | 392.5 | -3.408 |
| 90 | 100 | LDR-Biased | 395.27 | 393.17 | -2.103 |
| 91 | 100 | LDR-Unbiased | 397 | 393.5 | -3.502 |
| 93 | 100 | LDR-Unbiased | 399.11 | 392.48 | -6.628 |
| 94 | 100 | LDR-Unbiased | 396.3 | 393.4 | -2.891 |
| 95 | 100 | LDR-Unbiased | 394.79 | 393.86 | -0.931 |
| 96 | 100 | LDR-Unbiased | 395.9 | 393.14 | -2.763 |
| 106 | 50 | LDR-Biased | 398.01 | 378.11 | -19.9 |
| 108 | 50 | LDR-Biased | 394.55 | 377.63 | -16.914 |
| 109 | 50 | LDR-Biased | 395.26 | 379.02 | -16.238 |
| 110 | 50 | LDR-Biased | 398.41 | 380.58 | -17.836 |
| 111 | 50 | LDR-Biased | 397.41 | 378.99 | -18.422 |
| 112 | 50 | LDR-Unbiased | 395.12 | 378.38 | -16.733 |
| 113 | 50 | LDR-Unbiased | 397.08 | 375.98 | -21.098 |
| 115 | 50 | LDR-Unbiased | 394.54 | 374.58 | -19.959 |
| 116 | 50 | LDR-Unbiased | 396.11 | 377.27 | -18.837 |
| 117 | 50 | LDR-Unbiased | 394.08 | 376.53 | -17.552 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 397.38 | 397.99 | 398.59 | 0.85348 | 397.38 | 397.99 | 398.59 | 0.85348 | 0 | 0 | 0 | 0 |
| 3 | 394.08 | 396.06 | 398.41 | 1.5733 | 397.66 | 399.78 | 402.22 | 1.4242 | 0.859 | 3.7243 | 7.1 | 1.8972 |
| 10 | 394.08 | 396.06 | 398.41 | 1.5733 | 375.29 | 377.56 | 379.31 | 1.4063 | -22.126 | -18.497 | -15.631 | 1.9355 |
| 30 | 394.08 | 396.06 | 398.41 | 1.5733 | 387.97 | 392.28 | 395.78 | 2.7399 | -8.267 | -3.7721 | 0.2 | 2.97 |
| 50 | 394.08 | 396.06 | 398.41 | 1.5733 | 374.58 | 377.71 | 380.58 | 1.7193 | -21.098 | -18.349 | -16.238 | 1.5925 |
| 100 | 394.79 | 396.38 | 399.11 | 1.3219 | 392.48 | 393.22 | 393.86 | 0.51259 | -6.628 | -3.1626 | -0.931 | 1.6269 |

# Device Test: 19.42 tsr_EN1_Falling/EN1/7/14/0/0/0/@EN_SLEW_RATE_FALL



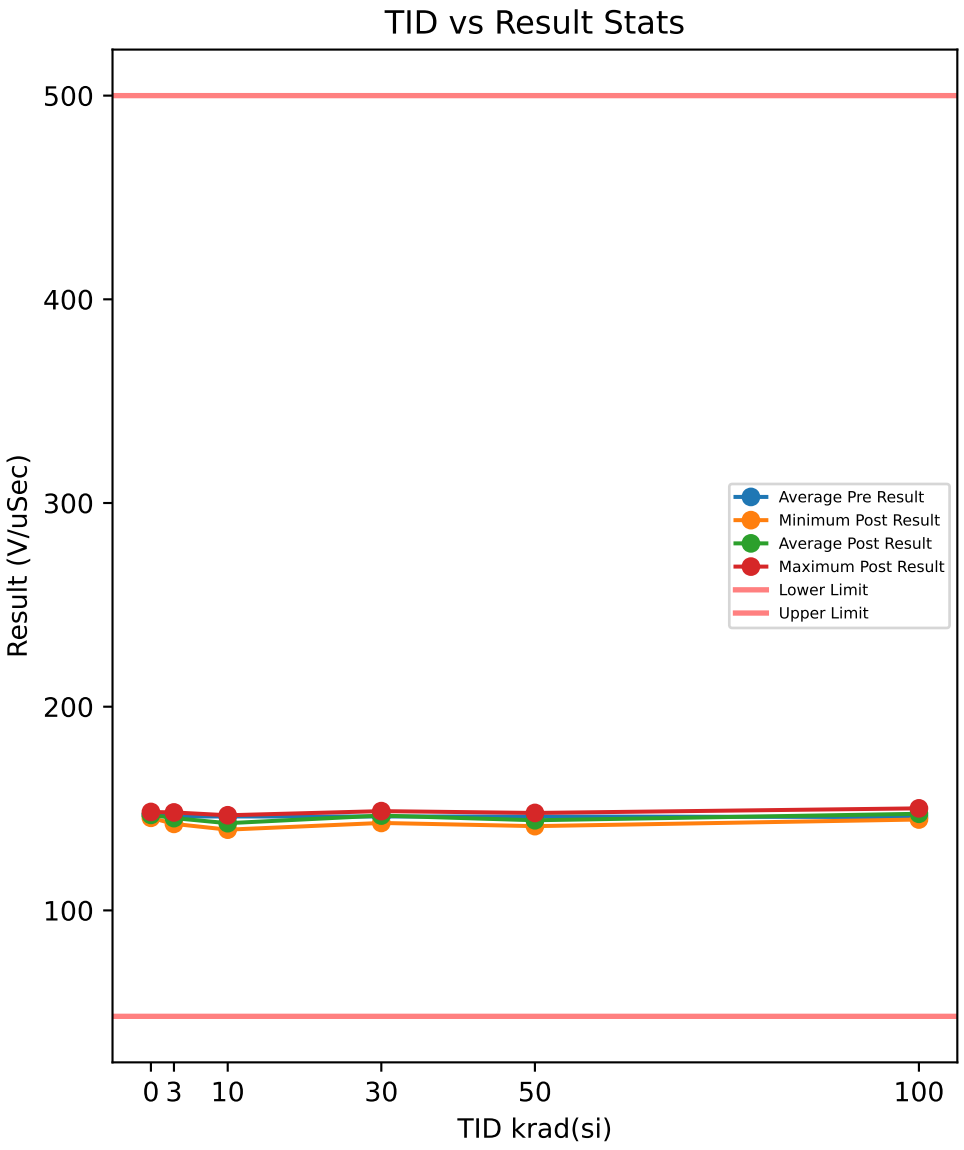

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 144.5 | 144.5 | 0 |
| 7 | 0 | Correlation | 146.96 | 146.96 | 0 |
| 16 | 3 | LDR-Biased | 145.92 | 144.75 | -1.172 |
| 18 | 3 | LDR-Biased | 143.34 | 145.11 | 1.769 |
| 19 | 3 | LDR-Biased | 144.33 | 142.95 | -1.38 |
| 20 | 3 | LDR-Biased | 143.52 | 142.9 | -0.62 |
| 21 | 3 | LDR-Biased | 143.34 | 140.66 | -2.683 |
| 22 | 3 | LDR-Unbiased | 144.15 | 144.93 | 0.784 |
| 23 | 3 | LDR-Unbiased | 145.71 | 144.14 | -1.567 |
| 25 | 3 | LDR-Unbiased | 145.39 | 147.56 | 2.171 |
| 26 | 3 | LDR-Unbiased | 143.93 | 144.86 | 0.931 |
| 27 | 3 | LDR-Unbiased | 144.81 | 142.19 | -2.627 |
| 46 | 10 | LDR-Biased | 145.92 | 142.08 | -3.844 |
| 48 | 10 | LDR-Biased | 143.34 | 142.37 | -0.975 |
| 49 | 10 | LDR-Biased | 144.33 | 140.06 | -4.271 |
| 50 | 10 | LDR-Biased | 143.52 | 140.32 | -3.204 |
| 51 | 10 | LDR-Biased | 143.34 | 137.9 | -5.444 |
| 52 | 10 | LDR-Unbiased | 144.15 | 142.33 | -1.814 |
| 53 | 10 | LDR-Unbiased | 145.71 | 141.16 | -4.545 |
| 55 | 10 | LDR-Unbiased | 145.39 | 144.48 | -0.906 |
| 56 | 10 | LDR-Unbiased | 143.93 | 142.13 | -1.795 |
| 57 | 10 | LDR-Unbiased | 144.81 | 139.87 | -4.944 |
| 76 | 30 | LDR-Biased | 145.92 | 145.78 | -0.142 |
| 78 | 30 | LDR-Biased | 143.34 | 146.69 | 3.346 |
| 79 | 30 | LDR-Biased | 144.33 | 144.34 | 0.005 |
| 80 | 30 | LDR-Biased | 143.52 | 144.47 | 0.949 |
| 81 | 30 | LDR-Biased | 143.34 | 141.92 | -1.423 |
| 82 | 30 | LDR-Unbiased | 144.15 | 146.21 | 2.066 |
| 83 | 30 | LDR-Unbiased | 145.71 | 145.67 | -0.037 |
| 84 | 30 | LDR-Unbiased | 144.81 | 143.6 | -1.212 |
| 85 | 30 | LDR-Unbiased | 145.39 | 149.06 | 3.675 |
| 86 | 30 | LDR-Unbiased | 143.93 | 146.9 | 2.971 |
| 87 | 100 | LDR-Biased | 143.45 | 146.55 | 3.102 |
| 88 | 100 | LDR-Biased | 145.8 | 143.69 | -2.112 |
| 90 | 100 | LDR-Biased | 143.05 | 143.38 | 0.33 |
| 91 | 100 | LDR-Unbiased | 144.38 | 148.41 | 4.033 |
| 93 | 100 | LDR-Unbiased | 143.03 | 147.09 | 4.067 |
| 94 | 100 | LDR-Unbiased | 145.72 | 144.77 | -0.95 |
| 95 | 100 | LDR-Unbiased | 145.04 | 146.89 | 1.849 |
| 96 | 100 | LDR-Unbiased | 145 | 146.4 | 1.399 |
| 106 | 50 | LDR-Biased | 145.92 | 143.51 | -2.411 |
| 108 | 50 | LDR-Biased | 143.34 | 143.6 | 0.257 |
| 109 | 50 | LDR-Biased | 144.33 | 141.75 | -2.579 |
| 110 | 50 | LDR-Biased | 143.52 | 141.78 | -1.736 |
| 111 | 50 | LDR-Biased | 143.34 | 139.56 | -3.778 |
| 112 | 50 | LDR-Unbiased | 144.15 | 143.8 | -0.344 |
| 113 | 50 | LDR-Unbiased | 145.71 | 142.84 | -2.867 |
| 115 | 50 | LDR-Unbiased | 145.39 | 146.5 | 1.116 |
| 116 | 50 | LDR-Unbiased | 143.93 | 144 | 0.07 |
| 117 | 50 | LDR-Unbiased | 144.81 | 141.02 | -3.793 |

Test Statistics (V/uSec)

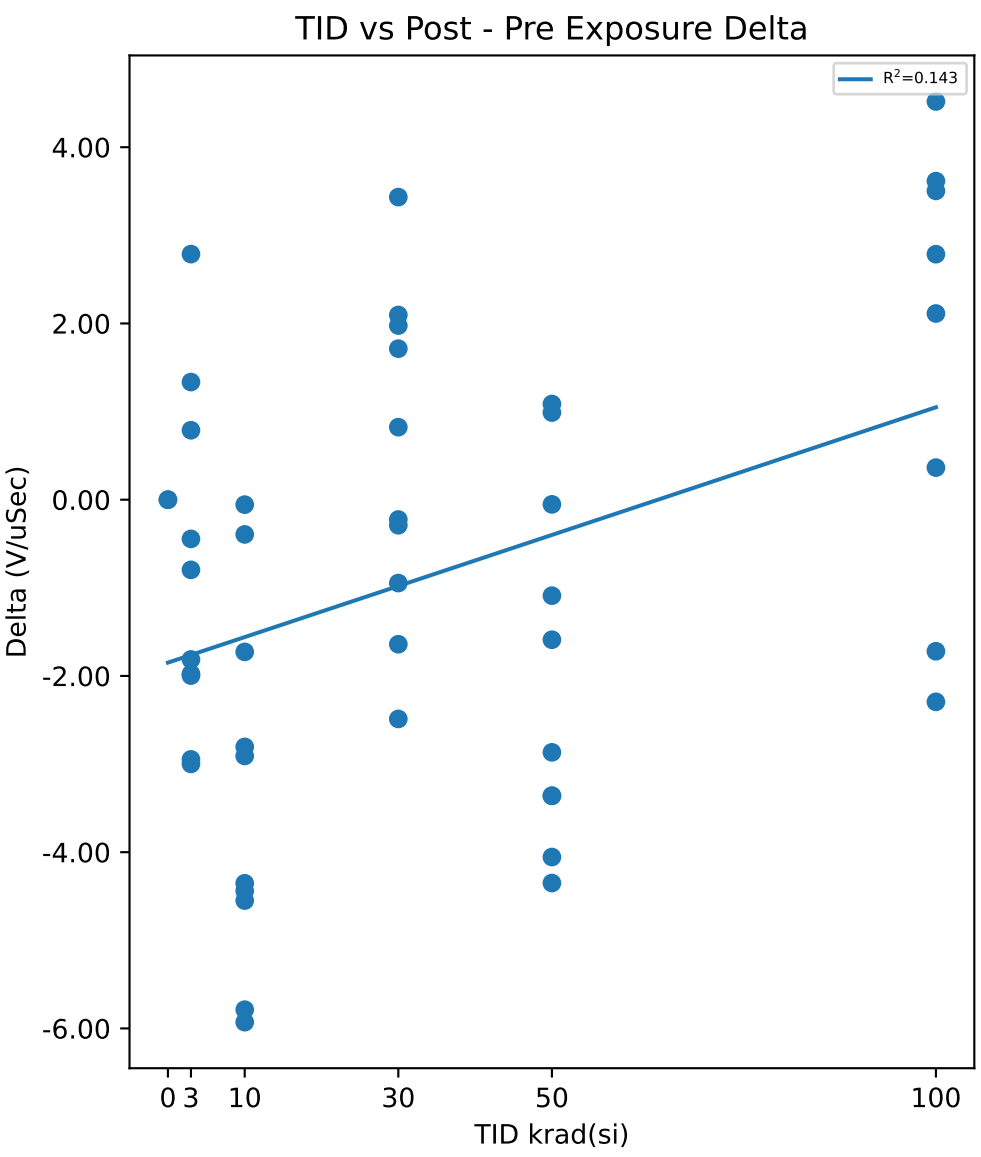
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 144.5 | 145.73 | 146.96 | 1.7374 | 144.5 | 145.73 | 146.96 | 1.7374 | 0 | 0 | 0 | 0 |
| 3 | 143.34 | 144.44 | 145.92 | 0.96903 | 140.66 | 144 | 147.56 | 1.9109 | -2.683 | -0.4394 | 2.171 | 1.7515 |
| 10 | 143.34 | 144.44 | 145.92 | 0.96903 | 137.9 | 141.27 | 144.48 | 1.819 | -5.444 | -3.1742 | -0.906 | 1.6849 |
| 30 | 143.34 | 144.44 | 145.92 | 0.96903 | 141.92 | 145.46 | 149.06 | 1.9867 | -1.423 | 1.0198 | 3.675 | 1.8801 |
| 50 | 143.34 | 144.44 | 145.92 | 0.96903 | 139.56 | 142.84 | 146.5 | 1.9169 | -3.793 | -1.6065 | 1.116 | 1.7633 |
| 100 | 143.03 | 144.43 | 145.8 | 1.1404 | 143.38 | 145.9 | 148.41 | 1.7691 | -2.112 | 1.4648 | 4.067 | 2.2713 |

# Device Test: 19.43 tsr_EN2_Falling/EN2/7/14/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

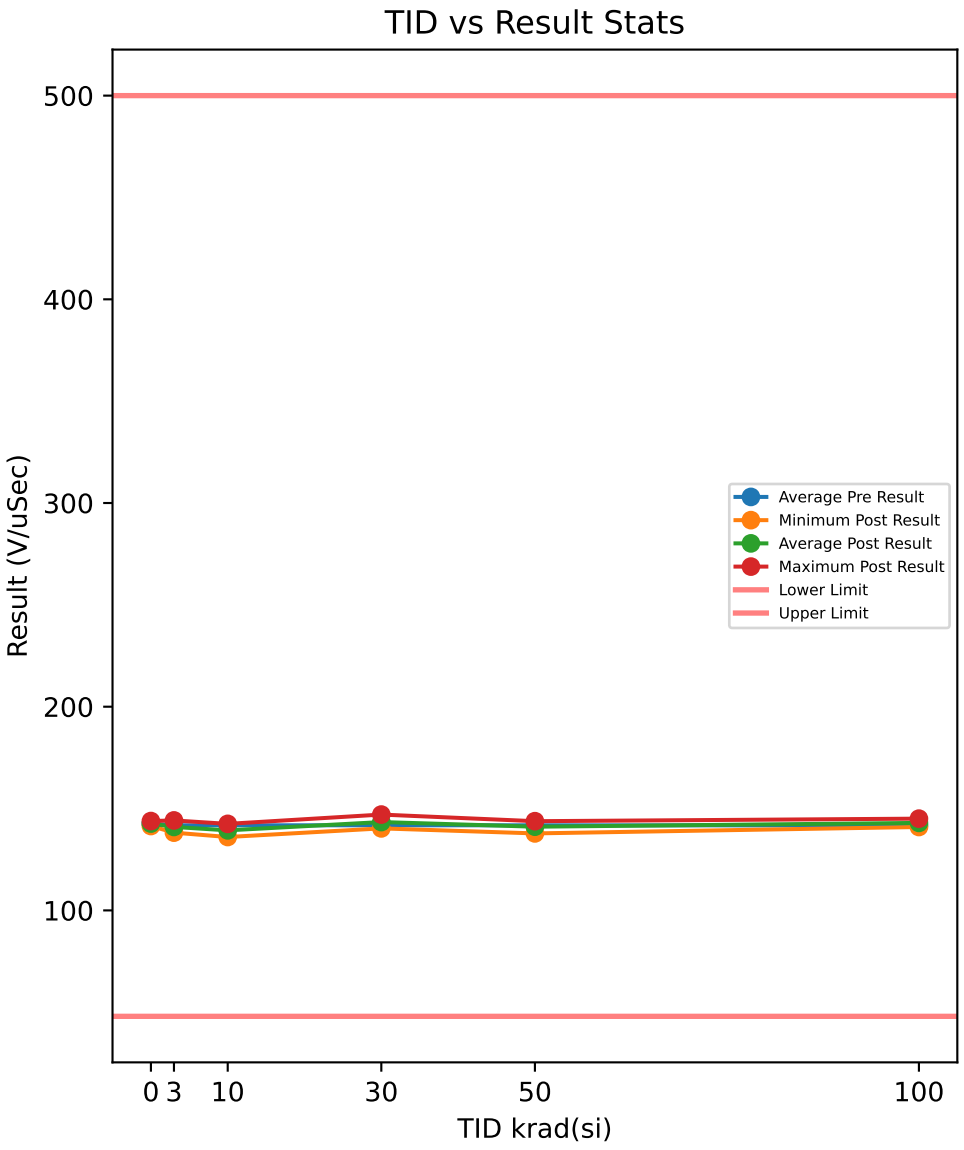
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 145.45 | 145.45 | 0 |
| 7 | 0 | Correlation | 148.33 | 148.33 | 0 |
| 16 | 3 | LDR-Biased | 148.57 | 146.57 | -1.996 |
| 18 | 3 | LDR-Biased | 144.23 | 147.01 | 2.787 |
| 19 | 3 | LDR-Biased | 146.45 | 143.45 | -2.998 |
| 20 | 3 | LDR-Biased | 144.95 | 144.5 | -0.445 |
| 21 | 3 | LDR-Biased | 145.42 | 142.48 | -2.947 |
| 22 | 3 | LDR-Unbiased | 145.41 | 146.2 | 0.788 |
| 23 | 3 | LDR-Unbiased | 146.81 | 144.84 | -1.976 |
| 25 | 3 | LDR-Unbiased | 146.76 | 148.1 | 1.335 |
| 26 | 3 | LDR-Unbiased | 146.37 | 145.57 | -0.796 |
| 27 | 3 | LDR-Unbiased | 146.14 | 144.33 | -1.813 |
| 46 | 10 | LDR-Biased | 148.57 | 144.21 | -4.353 |
| 48 | 10 | LDR-Biased | 144.23 | 143.83 | -0.394 |
| 49 | 10 | LDR-Biased | 146.45 | 140.52 | -5.929 |
| 50 | 10 | LDR-Biased | 144.95 | 142.14 | -2.805 |
| 51 | 10 | LDR-Biased | 145.42 | 139.64 | -5.787 |
| 52 | 10 | LDR-Unbiased | 145.41 | 143.68 | -1.727 |
| 53 | 10 | LDR-Unbiased | 146.81 | 142.27 | -4.549 |
| 55 | 10 | LDR-Unbiased | 146.76 | 146.71 | -0.056 |
| 56 | 10 | LDR-Unbiased | 146.37 | 143.46 | -2.908 |
| 57 | 10 | LDR-Unbiased | 146.14 | 141.7 | -4.44 |
| 76 | 30 | LDR-Biased | 148.57 | 147.62 | -0.946 |
| 78 | 30 | LDR-Biased | 144.23 | 147.66 | 3.434 |
| 79 | 30 | LDR-Biased | 146.45 | 144.81 | -1.64 |
| 80 | 30 | LDR-Biased | 144.95 | 146.66 | 1.714 |
| 81 | 30 | LDR-Biased | 145.42 | 142.94 | -2.488 |
| 82 | 30 | LDR-Unbiased | 145.41 | 147.51 | 2.096 |
| 83 | 30 | LDR-Unbiased | 146.81 | 146.53 | -0.29 |
| 84 | 30 | LDR-Unbiased | 146.14 | 145.92 | -0.225 |
| 85 | 30 | LDR-Unbiased | 146.76 | 148.74 | 1.976 |
| 86 | 30 | LDR-Unbiased | 146.37 | 147.19 | 0.823 |
| 87 | 100 | LDR-Biased | 144.96 | 147.75 | 2.786 |
| 88 | 100 | LDR-Biased | 147.15 | 145.43 | -1.72 |
| 90 | 100 | LDR-Biased | 144.25 | 144.62 | 0.364 |
| 91 | 100 | LDR-Unbiased | 145.58 | 150.1 | 4.519 |
| 93 | 100 | LDR-Unbiased | 145.5 | 149.12 | 3.615 |
| 94 | 100 | LDR-Unbiased | 147.97 | 145.68 | -2.294 |
| 95 | 100 | LDR-Unbiased | 145.78 | 147.89 | 2.113 |
| 96 | 100 | LDR-Unbiased | 145.39 | 148.9 | 3.504 |
| 106 | 50 | LDR-Biased | 148.57 | 145.7 | -2.867 |
| 108 | 50 | LDR-Biased | 144.23 | 145.22 | 0.989 |
| 109 | 50 | LDR-Biased | 146.45 | 142.1 | -4.35 |
| 110 | 50 | LDR-Biased | 144.95 | 143.36 | -1.589 |
| 111 | 50 | LDR-Biased | 145.42 | 141.37 | -4.055 |
| 112 | 50 | LDR-Unbiased | 145.41 | 145.36 | -0.053 |
| 113 | 50 | LDR-Unbiased | 146.81 | 143.46 | -3.359 |
| 115 | 50 | LDR-Unbiased | 146.76 | 147.85 | 1.086 |
| 116 | 50 | LDR-Unbiased | 146.37 | 145.28 | -1.089 |
| 117 | 50 | LDR-Unbiased | 146.14 | 142.78 | -3.361 |




Test Statistics (V/uSec)

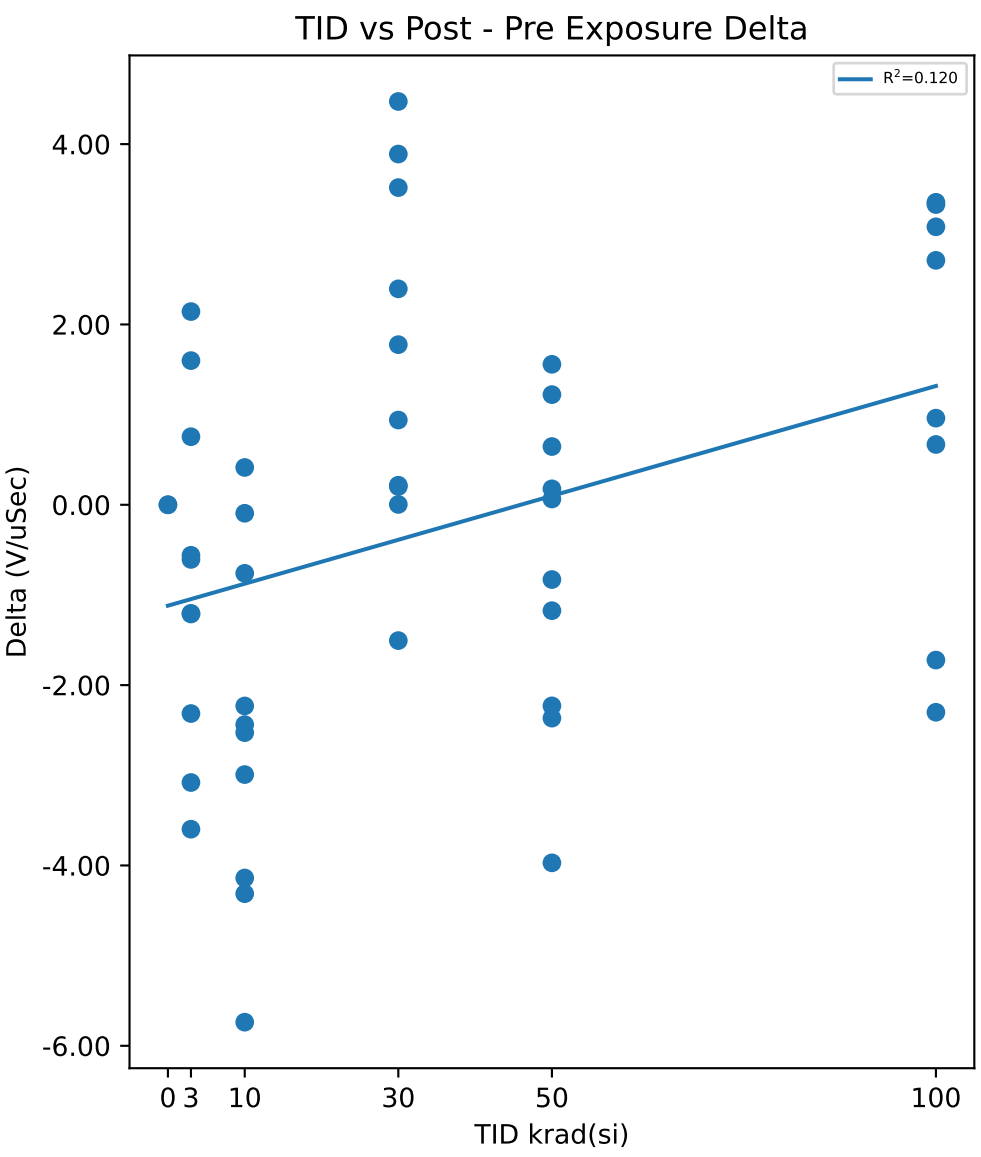
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 145.45 | 146.89 | 148.33 | 2.0343 | 145.45 | 146.89 | 148.33 | 2.0343 | 0 | 0 | 0 | 0 |
| 3 | 144.23 | 146.11 | 148.57 | 1.2016 | 142.48 | 145.31 | 148.1 | 1.7141 | -2.998 | -0.8061 | 2.787 | 1.9251 |
| 10 | 144.23 | 146.11 | 148.57 | 1.2016 | 139.64 | 142.82 | 146.71 | 2.0184 | -5.929 | -3.2948 | -0.056 | 2.0792 |
| 30 | 144.23 | 146.11 | 148.57 | 1.2016 | 142.94 | 146.56 | 148.74 | 1.6669 | -2.488 | 0.4454 | 3.434 | 1.8747 |
| 50 | 144.23 | 146.11 | 148.57 | 1.2016 | 141.37 | 144.25 | 147.85 | 1.9659 | -4.35 | -1.8648 | 1.086 | 2.0347 |
| 100 | 144.25 | 145.82 | 147.97 | 1.1924 | 144.62 | 147.43 | 150.1 | 1.9783 | -2.294 | 1.6109 | 4.519 | 2.552 |

# Device Test: 19.44 tsr_EN3_Falling/EN3/7/14/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

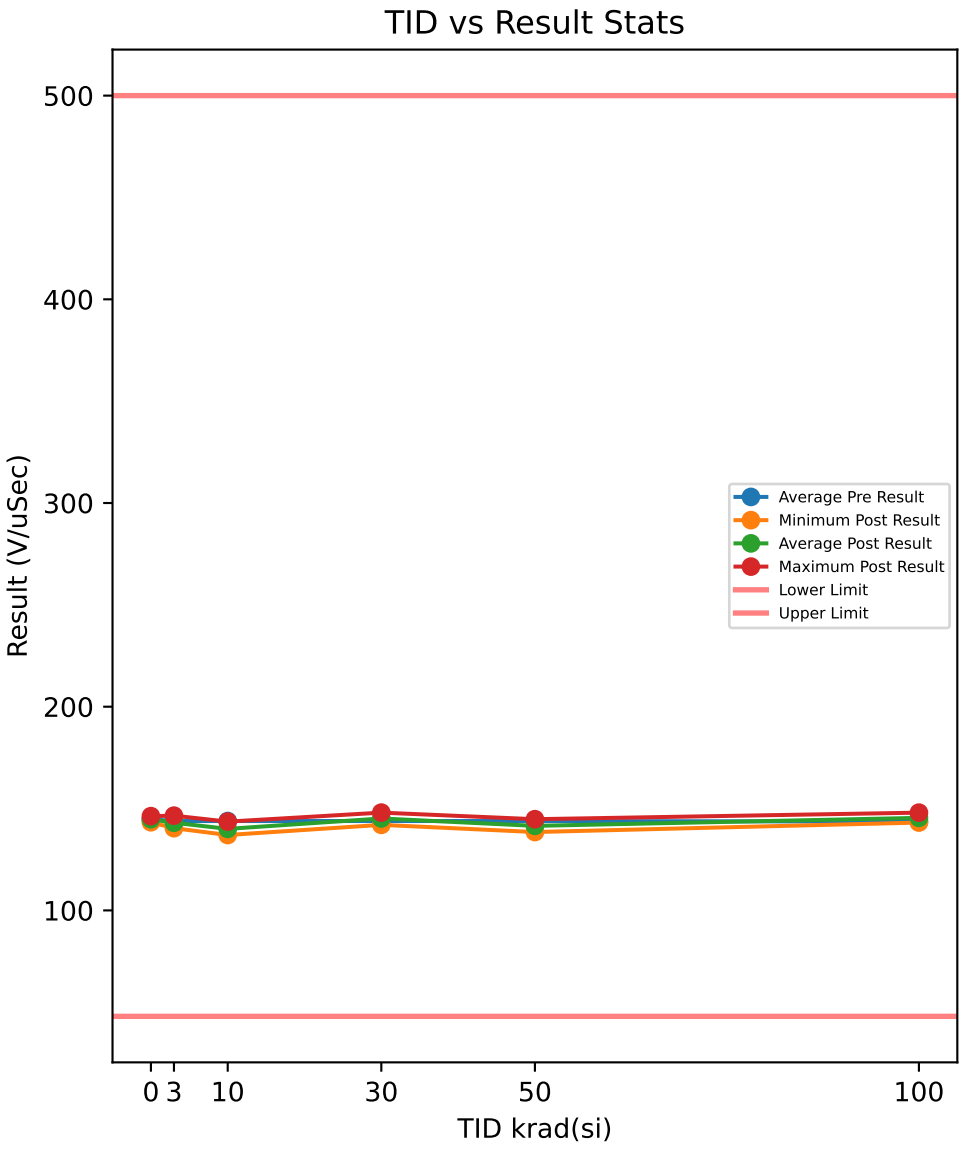
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 141.42 | 141.42 | 0 |
| 7 | 0 | Correlation | 143.86 | 143.86 | 0 |
| 16 | 3 | LDR-Biased | 143.04 | 142.43 | -0.606 |
| 18 | 3 | LDR-Biased | 140.15 | 142.29 | 2.143 |
| 19 | 3 | LDR-Biased | 141.7 | 139.38 | -2.315 |
| 20 | 3 | LDR-Biased | 140.85 | 139.64 | -1.211 |
| 21 | 3 | LDR-Biased | 141.77 | 138.17 | -3.598 |
| 22 | 3 | LDR-Unbiased | 141.79 | 142.55 | 0.755 |
| 23 | 3 | LDR-Unbiased | 142.61 | 139.53 | -3.08 |
| 25 | 3 | LDR-Unbiased | 142.57 | 144.17 | 1.599 |
| 26 | 3 | LDR-Unbiased | 142.17 | 141.61 | -0.56 |
| 27 | 3 | LDR-Unbiased | 141.18 | 139.97 | -1.204 |
| 46 | 10 | LDR-Biased | 143.04 | 140.81 | -2.231 |
| 48 | 10 | LDR-Biased | 140.15 | 140.56 | 0.414 |
| 49 | 10 | LDR-Biased | 141.7 | 137.56 | -4.139 |
| 50 | 10 | LDR-Biased | 140.85 | 138.32 | -2.527 |
| 51 | 10 | LDR-Biased | 141.77 | 136.03 | -5.738 |
| 52 | 10 | LDR-Unbiased | 141.79 | 141.03 | -0.76 |
| 53 | 10 | LDR-Unbiased | 142.61 | 138.29 | -4.313 |
| 55 | 10 | LDR-Unbiased | 142.57 | 142.48 | -0.094 |
| 56 | 10 | LDR-Unbiased | 142.17 | 139.73 | -2.438 |
| 57 | 10 | LDR-Unbiased | 141.18 | 138.18 | -2.992 |
| 76 | 30 | LDR-Biased | 143.04 | 143.98 | 0.94 |
| 78 | 30 | LDR-Biased | 140.15 | 143.66 | 3.518 |
| 79 | 30 | LDR-Biased | 141.7 | 141.9 | 0.203 |
| 80 | 30 | LDR-Biased | 140.85 | 142.62 | 1.776 |
| 81 | 30 | LDR-Biased | 141.77 | 140.26 | -1.506 |
| 82 | 30 | LDR-Unbiased | 141.79 | 145.68 | 3.89 |
| 83 | 30 | LDR-Unbiased | 142.61 | 142.61 | 0.004 |
| 84 | 30 | LDR-Unbiased | 141.18 | 141.39 | 0.217 |
| 85 | 30 | LDR-Unbiased | 142.57 | 147.05 | 4.473 |
| 86 | 30 | LDR-Unbiased | 142.17 | 144.57 | 2.395 |
| 87 | 100 | LDR-Biased | 140.54 | 143.87 | 3.33 |
| 88 | 100 | LDR-Biased | 143.24 | 140.94 | -2.301 |
| 90 | 100 | LDR-Biased | 140.3 | 140.97 | 0.669 |
| 91 | 100 | LDR-Unbiased | 141.96 | 145.04 | 3.083 |
| 93 | 100 | LDR-Unbiased | 141.6 | 144.95 | 3.355 |
| 94 | 100 | LDR-Unbiased | 142.93 | 141.2 | -1.722 |
| 95 | 100 | LDR-Unbiased | 141.99 | 142.95 | 0.961 |
| 96 | 100 | LDR-Unbiased | 141.03 | 143.74 | 2.711 |
| 106 | 50 | LDR-Biased | 143.04 | 143.21 | 0.177 |
| 108 | 50 | LDR-Biased | 140.15 | 141.7 | 1.558 |
| 109 | 50 | LDR-Biased | 141.7 | 139.47 | -2.23 |
| 110 | 50 | LDR-Biased | 140.85 | 140.02 | -0.829 |
| 111 | 50 | LDR-Biased | 141.77 | 137.8 | -3.971 |
| 112 | 50 | LDR-Unbiased | 141.79 | 142.44 | 0.646 |
| 113 | 50 | LDR-Unbiased | 142.61 | 140.24 | -2.366 |
| 115 | 50 | LDR-Unbiased | 142.57 | 143.8 | 1.222 |
| 116 | 50 | LDR-Unbiased | 142.17 | 142.24 | 0.064 |
| 117 | 50 | LDR-Unbiased | 141.18 | 140 | -1.174 |




Test Statistics (V/uSec)

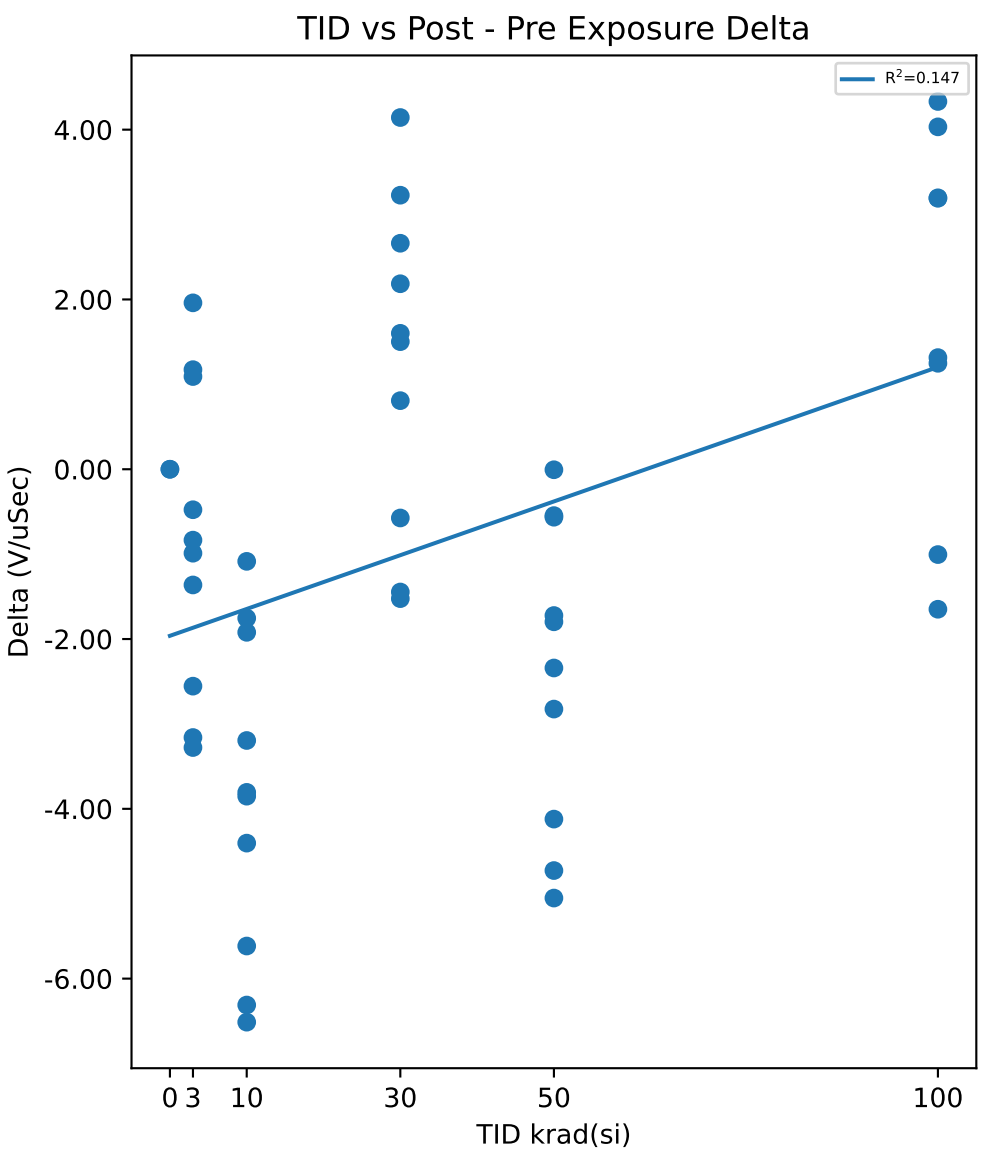
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 141.42 | 142.64 | 143.86 | 1.7246 | 141.42 | 142.64 | 143.86 | 1.7246 | 0 | 0 | 0 | 0 |
| 3 | 140.15 | 141.78 | 143.04 | 0.87964 | 138.17 | 140.97 | 144.17 | 1.8928 | -3.598 | -0.8077 | 2.143 | 1.9027 |
| 10 | 140.15 | 141.78 | 143.04 | 0.87964 | 136.03 | 139.3 | 142.48 | 1.9464 | -5.738 | -2.4818 | 0.414 | 1.946 |
| 30 | 140.15 | 141.78 | 143.04 | 0.87964 | 140.26 | 143.37 | 147.05 | 2.0444 | -1.506 | 1.591 | 4.473 | 1.9532 |
| 50 | 140.15 | 141.78 | 143.04 | 0.87964 | 137.8 | 141.09 | 143.8 | 1.8817 | -3.971 | -0.6903 | 1.558 | 1.7643 |
| 100 | 140.3 | 141.7 | 143.24 | 1.0551 | 140.94 | 142.96 | 145.04 | 1.7259 | -2.301 | 1.2608 | 3.355 | 2.2714 |

# Device Test: 19.45 tsr_EN4_Falling/EN4/7/14/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

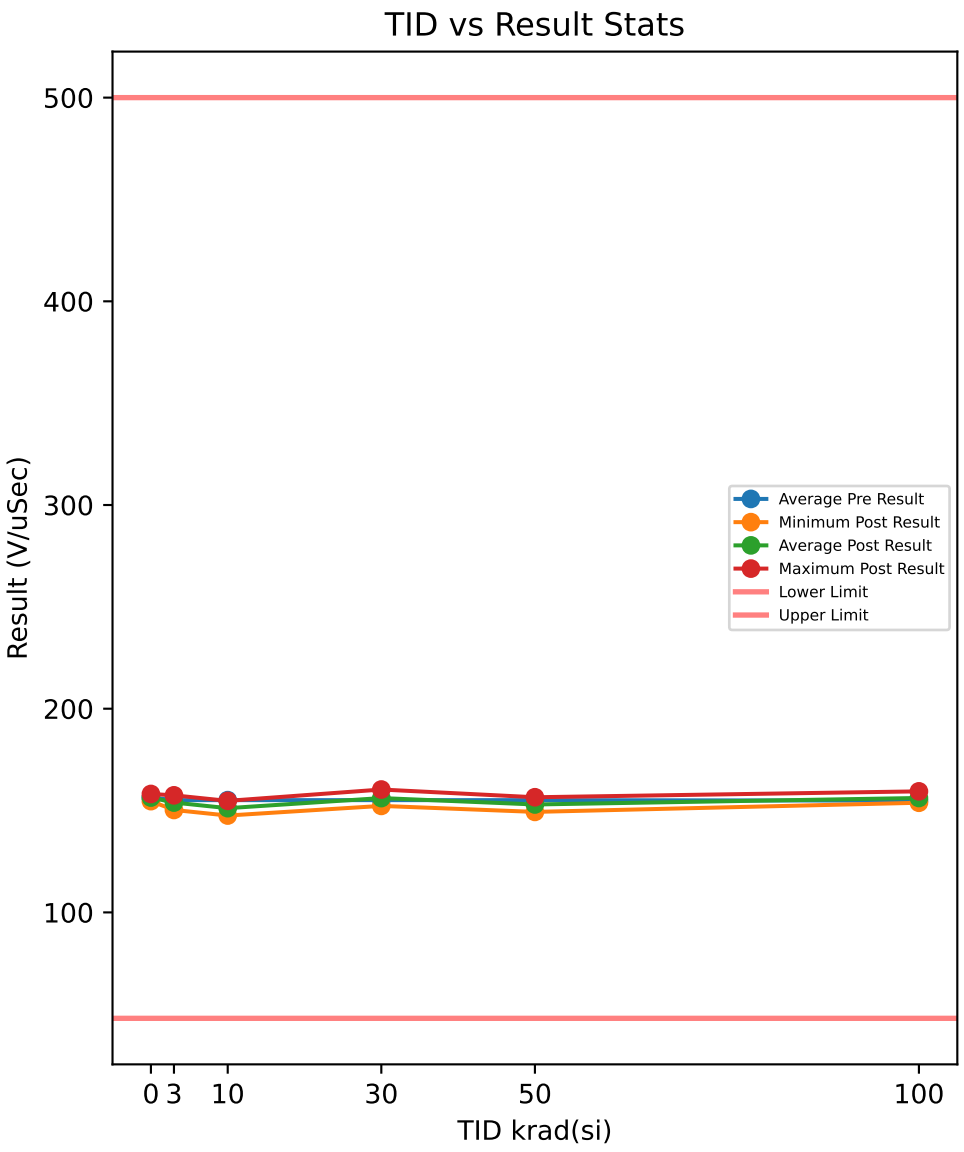
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 143.28 | 143.28 | 0 |
| 7 | 0 | Correlation | 146.27 | 146.27 | 0 |
| 16 | 3 | LDR-Biased | 145.06 | 144.58 | -0.477 |
| 18 | 3 | LDR-Biased | 142.03 | 143.99 | 1.96 |
| 19 | 3 | LDR-Biased | 144.42 | 141.14 | -3.278 |
| 20 | 3 | LDR-Biased | 142.88 | 141.52 | -1.363 |
| 21 | 3 | LDR-Biased | 143.52 | 140.36 | -3.16 |
| 22 | 3 | LDR-Unbiased | 143.31 | 144.4 | 1.092 |
| 23 | 3 | LDR-Unbiased | 144.72 | 142.16 | -2.555 |
| 25 | 3 | LDR-Unbiased | 145.34 | 146.51 | 1.173 |
| 26 | 3 | LDR-Unbiased | 144.38 | 143.54 | -0.835 |
| 27 | 3 | LDR-Unbiased | 143.05 | 142.06 | -0.989 |
| 46 | 10 | LDR-Biased | 145.06 | 141.87 | -3.195 |
| 48 | 10 | LDR-Biased | 142.03 | 140.94 | -1.085 |
| 49 | 10 | LDR-Biased | 144.42 | 138.11 | -6.311 |
| 50 | 10 | LDR-Biased | 142.88 | 138.48 | -4.404 |
| 51 | 10 | LDR-Biased | 143.52 | 137.01 | -6.513 |
| 52 | 10 | LDR-Unbiased | 143.31 | 141.39 | -1.921 |
| 53 | 10 | LDR-Unbiased | 144.72 | 139.1 | -5.616 |
| 55 | 10 | LDR-Unbiased | 145.34 | 143.59 | -1.754 |
| 56 | 10 | LDR-Unbiased | 144.38 | 140.57 | -3.806 |
| 57 | 10 | LDR-Unbiased | 143.05 | 139.2 | -3.851 |
| 76 | 30 | LDR-Biased | 145.06 | 147.25 | 2.185 |
| 78 | 30 | LDR-Biased | 142.03 | 146.17 | 4.143 |
| 79 | 30 | LDR-Biased | 144.42 | 142.97 | -1.446 |
| 80 | 30 | LDR-Biased | 142.88 | 143.69 | 0.808 |
| 81 | 30 | LDR-Biased | 143.52 | 142 | -1.524 |
| 82 | 30 | LDR-Unbiased | 143.31 | 146.54 | 3.228 |
| 83 | 30 | LDR-Unbiased | 144.72 | 144.15 | -0.574 |
| 84 | 30 | LDR-Unbiased | 143.05 | 144.66 | 1.601 |
| 85 | 30 | LDR-Unbiased | 145.34 | 148 | 2.662 |
| 86 | 30 | LDR-Unbiased | 144.38 | 145.88 | 1.503 |
| 87 | 100 | LDR-Biased | 142.79 | 145.98 | 3.192 |
| 88 | 100 | LDR-Biased | 144.92 | 143.27 | -1.649 |
| 90 | 100 | LDR-Biased | 141.81 | 143.12 | 1.315 |
| 91 | 100 | LDR-Unbiased | 143.59 | 147.62 | 4.033 |
| 93 | 100 | LDR-Unbiased | 143.66 | 147.99 | 4.332 |
| 94 | 100 | LDR-Unbiased | 145.22 | 144.22 | -1.005 |
| 95 | 100 | LDR-Unbiased | 143.94 | 145.18 | 1.248 |
| 96 | 100 | LDR-Unbiased | 142.88 | 146.07 | 3.197 |
| 106 | 50 | LDR-Biased | 145.06 | 143.34 | -1.723 |
| 108 | 50 | LDR-Biased | 142.03 | 142.02 | -0.006 |
| 109 | 50 | LDR-Biased | 144.42 | 139.69 | -4.727 |
| 110 | 50 | LDR-Biased | 142.88 | 140.06 | -2.825 |
| 111 | 50 | LDR-Biased | 143.52 | 138.47 | -5.051 |
| 112 | 50 | LDR-Unbiased | 143.31 | 142.76 | -0.546 |
| 113 | 50 | LDR-Unbiased | 144.72 | 140.6 | -4.121 |
| 115 | 50 | LDR-Unbiased | 145.34 | 144.78 | -0.565 |
| 116 | 50 | LDR-Unbiased | 144.38 | 142.04 | -2.341 |
| 117 | 50 | LDR-Unbiased | 143.05 | 141.26 | -1.797 |




Test Statistics (V/uSec)

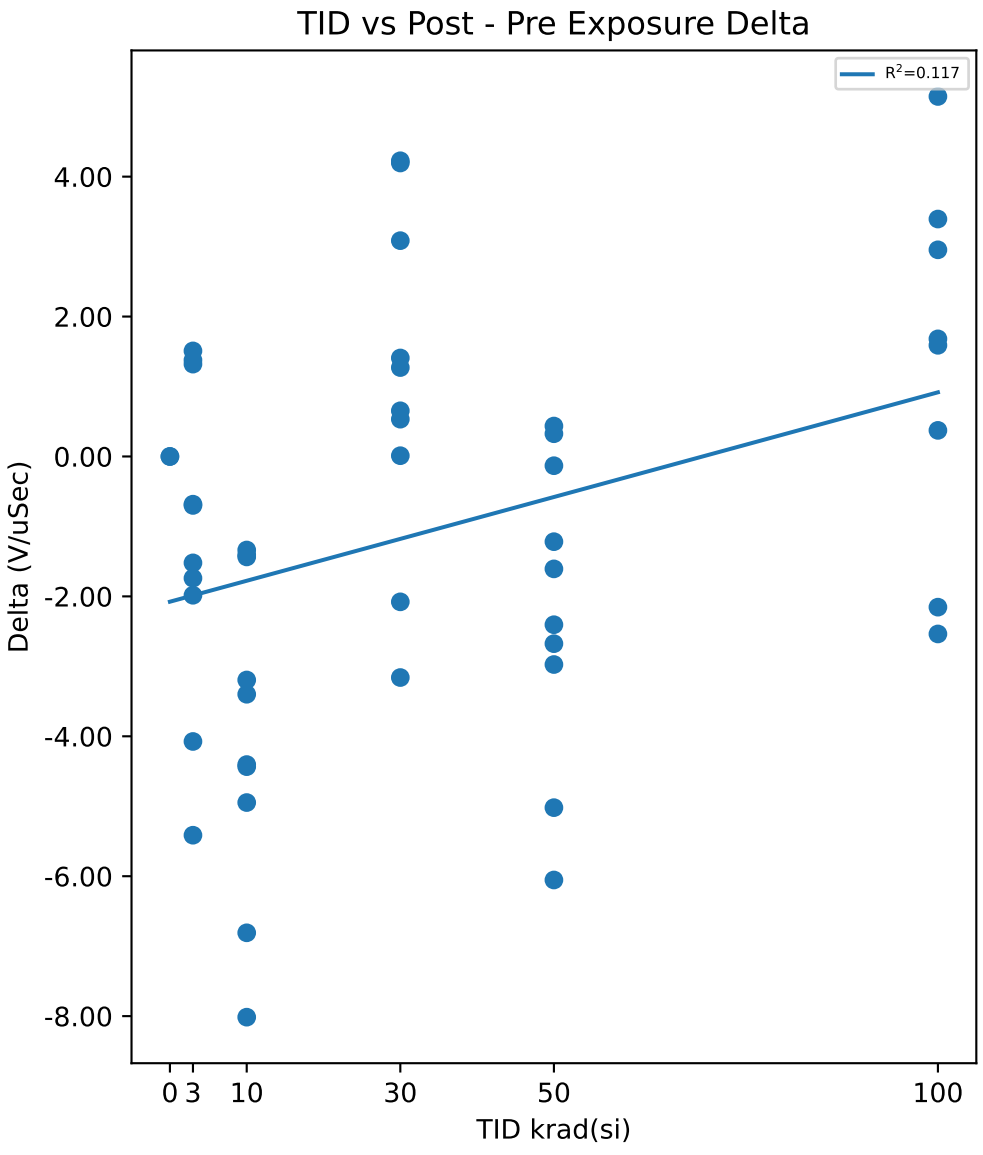
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 143.28 | 144.77 | 146.27 | 2.1121 | 143.28 | 144.77 | 146.27 | 2.1121 | 0 | 0 | 0 | 0 |
| 3 | 142.03 | 143.87 | 145.34 | 1.0717 | 140.36 | 143.03 | 146.51 | 1.8927 | -3.278 | -0.8432 | 1.96 | 1.8354 |
| 10 | 142.03 | 143.87 | 145.34 | 1.0717 | 137.01 | 140.03 | 143.59 | 1.9928 | -6.513 | -3.8456 | -1.085 | 1.908 |
| 30 | 142.03 | 143.87 | 145.34 | 1.0717 | 142 | 145.13 | 148 | 1.9455 | -1.524 | 1.2586 | 4.143 | 1.9386 |
| 50 | 142.03 | 143.87 | 145.34 | 1.0717 | 138.47 | 141.5 | 144.78 | 1.875 | -5.051 | -2.3702 | -0.006 | 1.7931 |
| 100 | 141.81 | 143.6 | 145.22 | 1.1252 | 143.12 | 145.43 | 147.99 | 1.8358 | -1.649 | 1.8329 | 4.332 | 2.2546 |

# Device Test: 19.46 tsr_PWRGD_Falling/PWRGD/7/14/0/0/0/@PWRGD_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

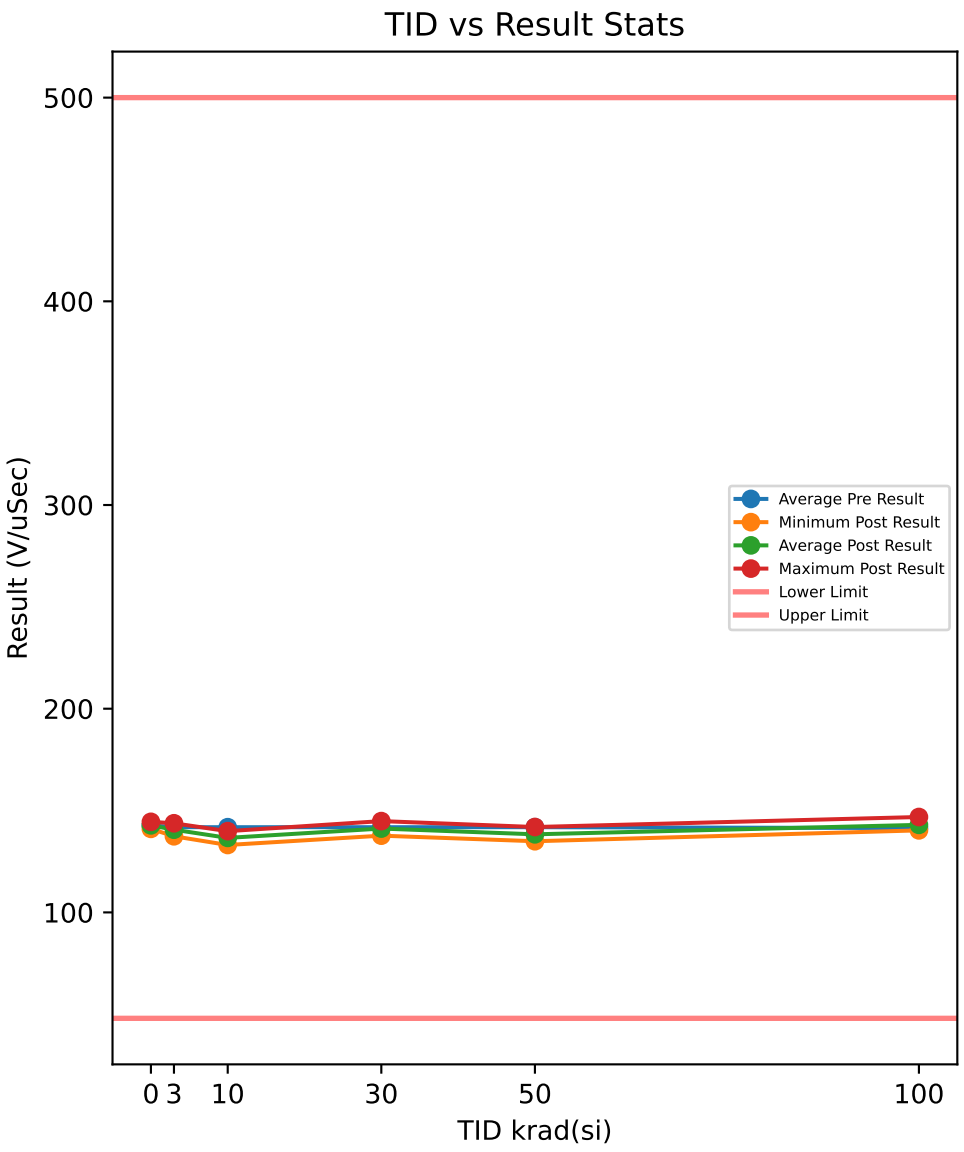
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 154.62 | 154.62 | 0 |
| 7 | 0 | Correlation | 158.14 | 158.14 | 0 |
| 16 | 3 | LDR-Biased | 156.28 | 155.6 | -0.682 |
| 18 | 3 | LDR-Biased | 153.77 | 155.09 | 1.32 |
| 19 | 3 | LDR-Biased | 156.28 | 150.87 | -5.414 |
| 20 | 3 | LDR-Biased | 154.25 | 152.73 | -1.521 |
| 21 | 3 | LDR-Biased | 154.36 | 150.29 | -4.074 |
| 22 | 3 | LDR-Unbiased | 155.03 | 156.54 | 1.509 |
| 23 | 3 | LDR-Unbiased | 155.75 | 154.01 | -1.74 |
| 25 | 3 | LDR-Unbiased | 156.1 | 157.47 | 1.378 |
| 26 | 3 | LDR-Unbiased | 155.37 | 154.67 | -0.7 |
| 27 | 3 | LDR-Unbiased | 153.93 | 151.95 | -1.984 |
| 46 | 10 | LDR-Biased | 156.28 | 152.89 | -3.399 |
| 48 | 10 | LDR-Biased | 153.77 | 152.37 | -1.407 |
| 49 | 10 | LDR-Biased | 156.28 | 148.27 | -8.015 |
| 50 | 10 | LDR-Biased | 154.25 | 149.82 | -4.434 |
| 51 | 10 | LDR-Biased | 154.36 | 147.55 | -6.809 |
| 52 | 10 | LDR-Unbiased | 155.03 | 153.59 | -1.436 |
| 53 | 10 | LDR-Unbiased | 155.75 | 151.34 | -4.404 |
| 55 | 10 | LDR-Unbiased | 156.1 | 154.76 | -1.337 |
| 56 | 10 | LDR-Unbiased | 155.37 | 152.18 | -3.195 |
| 57 | 10 | LDR-Unbiased | 153.93 | 148.99 | -4.947 |
| 76 | 30 | LDR-Biased | 156.28 | 157.69 | 1.408 |
| 78 | 30 | LDR-Biased | 153.77 | 156.86 | 3.085 |
| 79 | 30 | LDR-Biased | 156.28 | 153.12 | -3.16 |
| 80 | 30 | LDR-Biased | 154.25 | 154.26 | 0.011 |
| 81 | 30 | LDR-Biased | 154.36 | 152.28 | -2.078 |
| 82 | 30 | LDR-Unbiased | 155.03 | 159.22 | 4.195 |
| 83 | 30 | LDR-Unbiased | 155.75 | 156.28 | 0.533 |
| 84 | 30 | LDR-Unbiased | 153.93 | 154.59 | 0.653 |
| 85 | 30 | LDR-Unbiased | 156.1 | 160.32 | 4.227 |
| 86 | 30 | LDR-Unbiased | 155.37 | 156.64 | 1.271 |
| 87 | 100 | LDR-Biased | 153.91 | 156.86 | 2.954 |
| 88 | 100 | LDR-Biased | 156.16 | 154 | -2.154 |
| 90 | 100 | LDR-Biased | 153.66 | 154.03 | 0.373 |
| 91 | 100 | LDR-Unbiased | 155.41 | 158.81 | 3.394 |
| 93 | 100 | LDR-Unbiased | 154.28 | 159.42 | 5.146 |
| 94 | 100 | LDR-Unbiased | 156.37 | 153.83 | -2.537 |
| 95 | 100 | LDR-Unbiased | 155.15 | 156.74 | 1.589 |
| 96 | 100 | LDR-Unbiased | 153.99 | 155.67 | 1.681 |
| 106 | 50 | LDR-Biased | 156.28 | 155.07 | -1.218 |
| 108 | 50 | LDR-Biased | 153.77 | 153.64 | -0.132 |
| 109 | 50 | LDR-Biased | 156.28 | 150.23 | -6.054 |
| 110 | 50 | LDR-Biased | 154.25 | 151.58 | -2.676 |
| 111 | 50 | LDR-Biased | 154.36 | 149.34 | -5.02 |
| 112 | 50 | LDR-Unbiased | 155.03 | 155.35 | 0.325 |
| 113 | 50 | LDR-Unbiased | 155.75 | 153.34 | -2.405 |
| 115 | 50 | LDR-Unbiased | 156.1 | 156.53 | 0.435 |
| 116 | 50 | LDR-Unbiased | 155.37 | 153.77 | -1.607 |
| 117 | 50 | LDR-Unbiased | 153.93 | 150.96 | -2.974 |




Test Statistics (V/uSec)

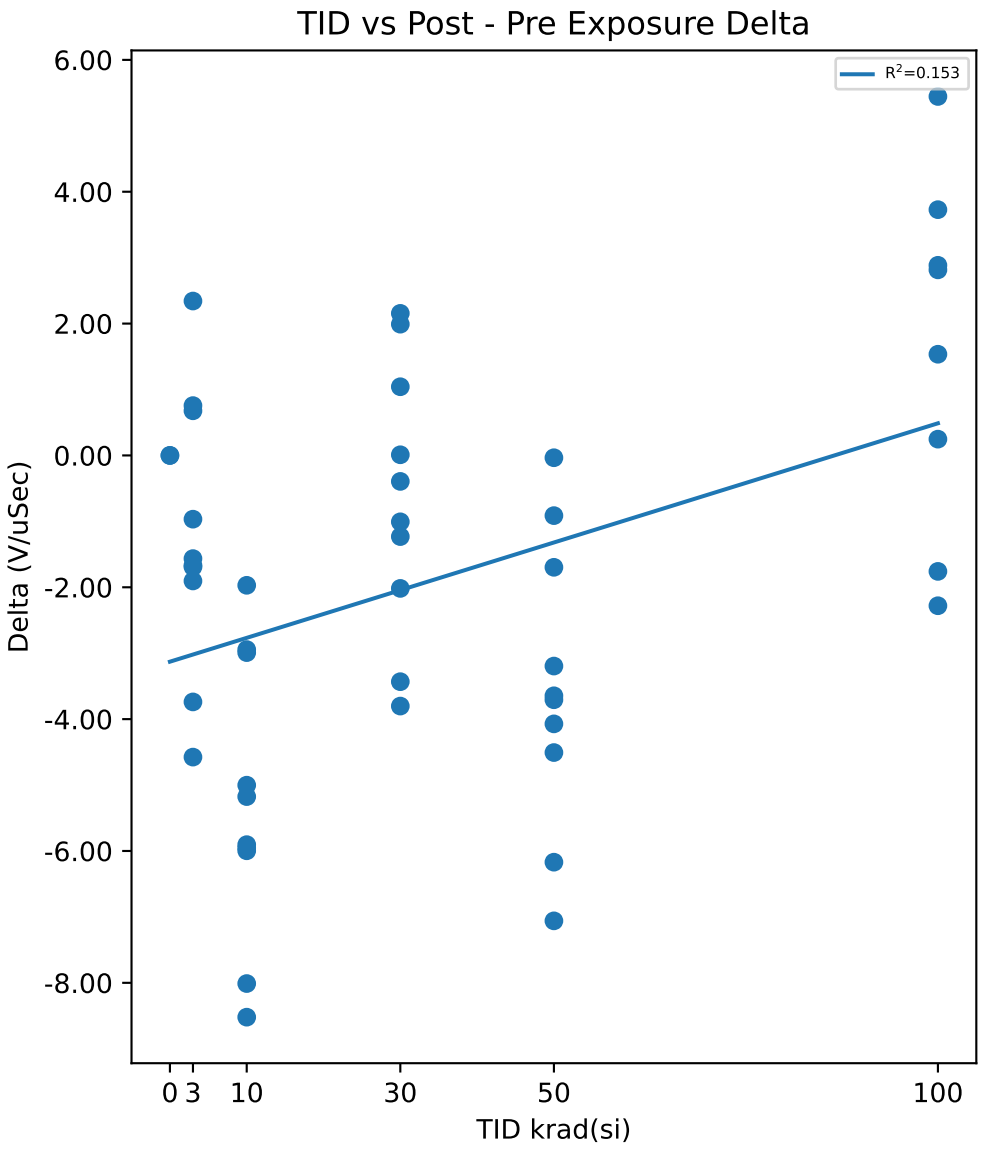
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 154.62 | 156.38 | 158.14 | 2.4904 | 154.62 | 156.38 | 158.14 | 2.4904 | 0 | 0 | 0 | 0 |
| 3 | 153.77 | 155.11 | 156.28 | 0.982 | 150.29 | 153.92 | 157.47 | 2.4056 | -5.414 | -1.1908 | 1.509 | 2.3065 |
| 10 | 153.77 | 155.11 | 156.28 | 0.982 | 147.55 | 151.18 | 154.76 | 2.4104 | -8.015 | -3.9383 | -1.337 | 2.276 |
| 30 | 153.77 | 155.11 | 156.28 | 0.982 | 152.28 | 156.13 | 160.32 | 2.5848 | -3.16 | 1.0145 | 4.227 | 2.4336 |
| 50 | 153.77 | 155.11 | 156.28 | 0.982 | 149.34 | 152.98 | 156.53 | 2.3725 | -6.054 | -2.1326 | 0.435 | 2.1741 |
| 100 | 153.66 | 154.87 | 156.37 | 1.0551 | 153.83 | 156.17 | 159.42 | 2.1816 | -2.537 | 1.3058 | 5.146 | 2.6633 |

# Device Test: 19.47 tsr_SEQ_Falling/SEQ_DONE/7/14/0/0/0/@SEQ_DONE_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

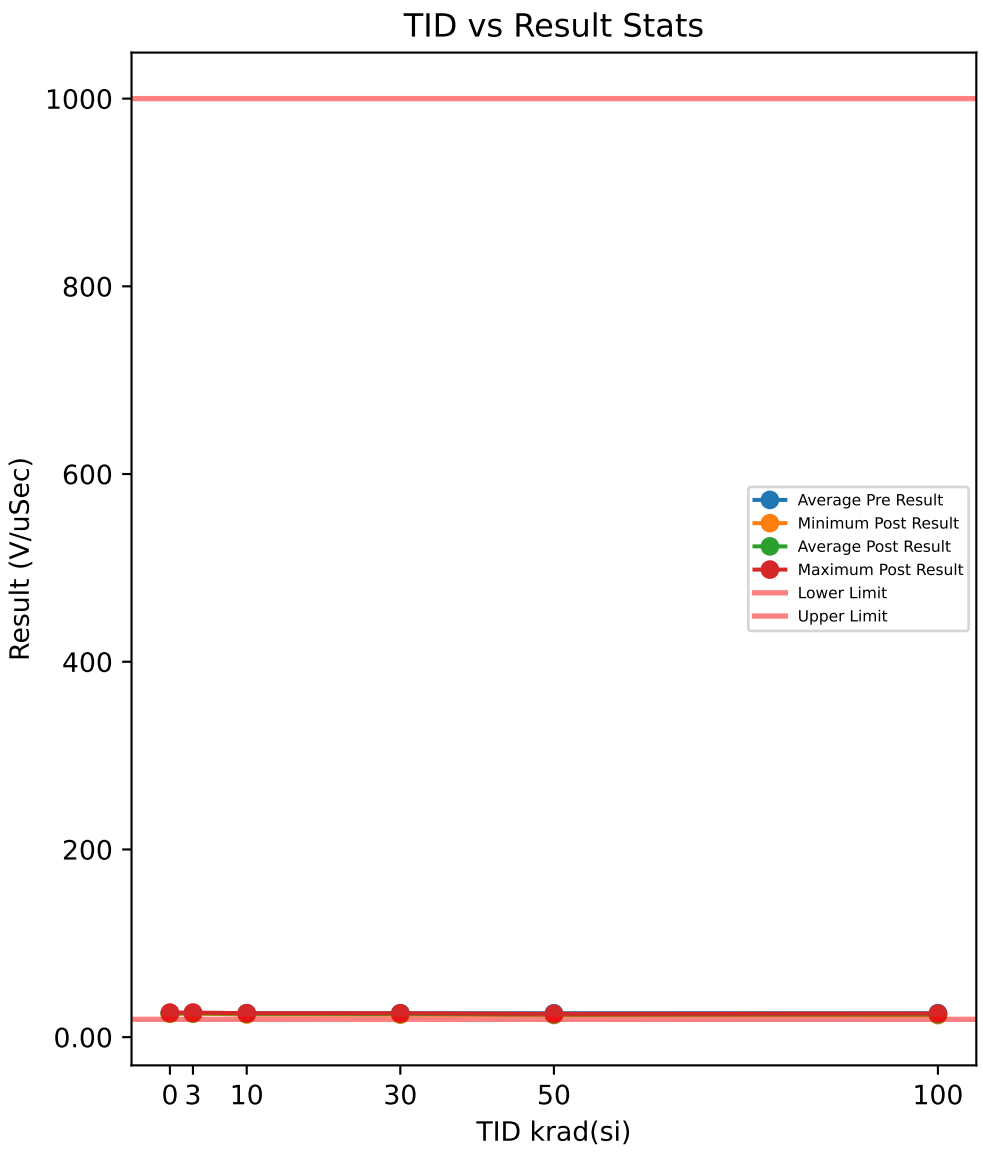
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 141.01 | 141.01 | 0 |
| 7 | 0 | Correlation | 144.46 | 144.46 | 0 |
| 16 | 3 | LDR-Biased | 142.89 | 141.93 | -0.967 |
| 18 | 3 | LDR-Biased | 140.7 | 141.45 | 0.756 |
| 19 | 3 | LDR-Biased | 142.59 | 138.01 | -4.576 |
| 20 | 3 | LDR-Biased | 141.21 | 139.3 | -1.904 |
| 21 | 3 | LDR-Biased | 141.11 | 137.37 | -3.739 |
| 22 | 3 | LDR-Unbiased | 141.41 | 143.75 | 2.342 |
| 23 | 3 | LDR-Unbiased | 142.39 | 140.69 | -1.691 |
| 25 | 3 | LDR-Unbiased | 142.83 | 143.51 | 0.677 |
| 26 | 3 | LDR-Unbiased | 142.62 | 141.05 | -1.565 |
| 27 | 3 | LDR-Unbiased | 140.57 | 138.9 | -1.668 |
| 46 | 10 | LDR-Biased | 142.89 | 137.89 | -5.002 |
| 48 | 10 | LDR-Biased | 140.7 | 137.71 | -2.991 |
| 49 | 10 | LDR-Biased | 142.59 | 134.07 | -8.521 |
| 50 | 10 | LDR-Biased | 141.21 | 135.25 | -5.954 |
| 51 | 10 | LDR-Biased | 141.11 | 133.1 | -8.011 |
| 52 | 10 | LDR-Unbiased | 141.41 | 139.44 | -1.97 |
| 53 | 10 | LDR-Unbiased | 142.39 | 136.48 | -5.904 |
| 55 | 10 | LDR-Unbiased | 142.83 | 139.88 | -2.945 |
| 56 | 10 | LDR-Unbiased | 142.62 | 137.44 | -5.175 |
| 57 | 10 | LDR-Unbiased | 140.57 | 134.57 | -5.997 |
| 76 | 30 | LDR-Biased | 142.89 | 142.5 | -0.394 |
| 78 | 30 | LDR-Biased | 140.7 | 141.74 | 1.042 |
| 79 | 30 | LDR-Biased | 142.59 | 138.79 | -3.802 |
| 80 | 30 | LDR-Biased | 141.21 | 139.19 | -2.017 |
| 81 | 30 | LDR-Biased | 141.11 | 137.68 | -3.432 |
| 82 | 30 | LDR-Unbiased | 141.41 | 143.57 | 2.155 |
| 83 | 30 | LDR-Unbiased | 142.39 | 141.38 | -1.007 |
| 84 | 30 | LDR-Unbiased | 140.57 | 139.34 | -1.231 |
| 85 | 30 | LDR-Unbiased | 142.83 | 144.82 | 1.991 |
| 86 | 30 | LDR-Unbiased | 142.62 | 142.63 | 0.01 |
| 87 | 100 | LDR-Biased | 141.01 | 143.9 | 2.884 |
| 88 | 100 | LDR-Biased | 142.41 | 140.66 | -1.759 |
| 90 | 100 | LDR-Biased | 140.7 | 140.95 | 0.247 |
| 91 | 100 | LDR-Unbiased | 141.58 | 145.31 | 3.728 |
| 93 | 100 | LDR-Unbiased | 141.39 | 146.83 | 5.445 |
| 94 | 100 | LDR-Unbiased | 142.55 | 140.27 | -2.28 |
| 95 | 100 | LDR-Unbiased | 141.12 | 143.93 | 2.815 |
| 96 | 100 | LDR-Unbiased | 140.44 | 141.98 | 1.535 |
| 106 | 50 | LDR-Biased | 142.89 | 139.7 | -3.195 |
| 108 | 50 | LDR-Biased | 140.7 | 139 | -1.697 |
| 109 | 50 | LDR-Biased | 142.59 | 135.53 | -7.06 |
| 110 | 50 | LDR-Biased | 141.21 | 136.7 | -4.507 |
| 111 | 50 | LDR-Biased | 141.11 | 134.94 | -6.17 |
| 112 | 50 | LDR-Unbiased | 141.41 | 141.38 | -0.035 |
| 113 | 50 | LDR-Unbiased | 142.39 | 138.31 | -4.072 |
| 115 | 50 | LDR-Unbiased | 142.83 | 141.92 | -0.913 |
| 116 | 50 | LDR-Unbiased | 142.62 | 138.91 | -3.706 |
| 117 | 50 | LDR-Unbiased | 140.57 | 136.92 | -3.646 |

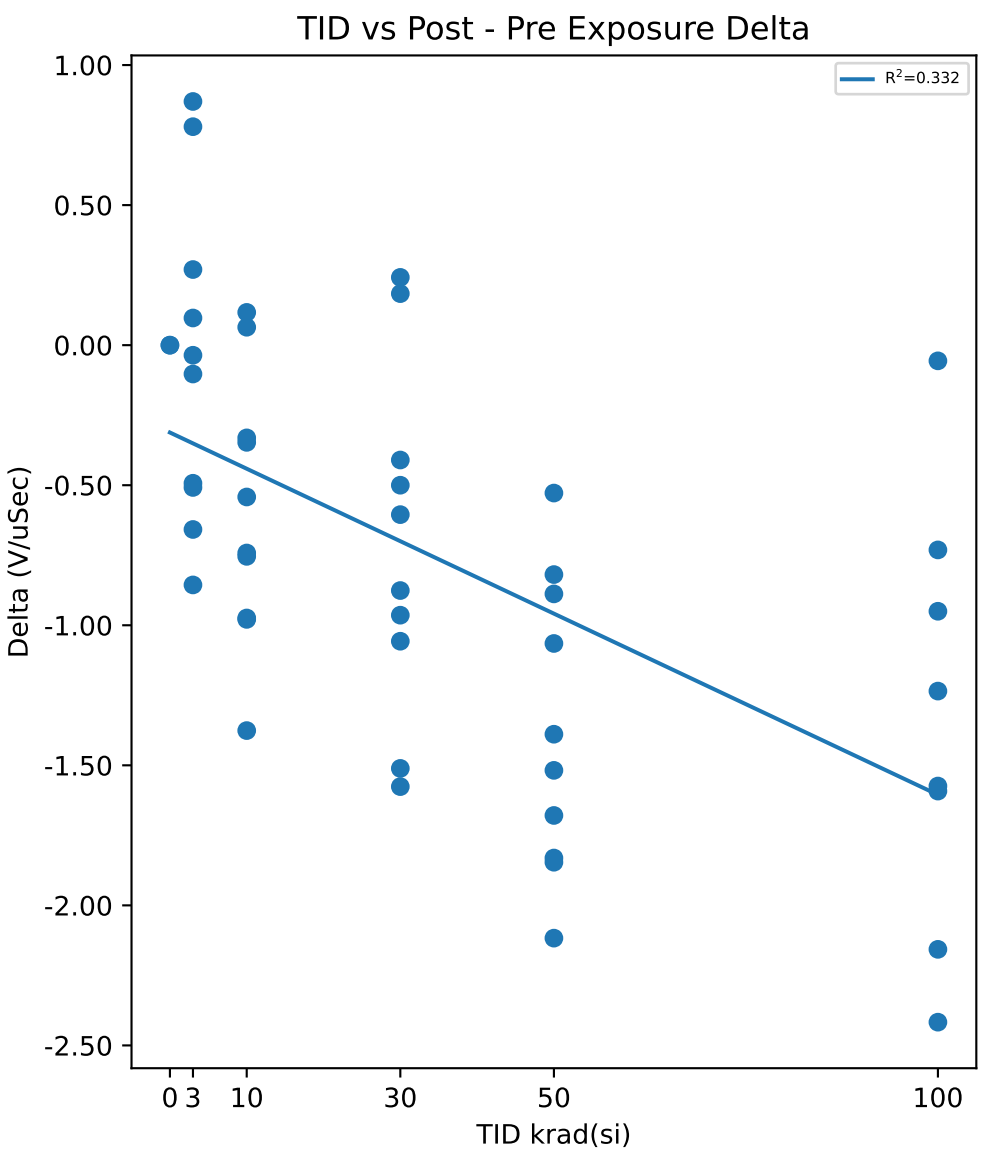



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 141.01 | 142.74 | 144.46 | 2.4388 | 141.01 | 142.74 | 144.46 | 2.4388 | 0 | 0 | 0 | 0 |
| 3 | 140.57 | 141.83 | 142.89 | 0.91868 | 137.37 | 140.6 | 143.75 | 2.1806 | -4.576 | -1.2335 | 2.342 | 2.0782 |
| 10 | 140.57 | 141.83 | 142.89 | 0.91868 | 133.1 | 136.58 | 139.88 | 2.2873 | -8.521 | -5.247 | -1.97 | 2.1356 |
| 30 | 140.57 | 141.83 | 142.89 | 0.91868 | 137.68 | 141.16 | 144.82 | 2.3212 | -3.802 | -0.6685 | 2.155 | 2.0605 |
| 50 | 140.57 | 141.83 | 142.89 | 0.91868 | 134.94 | 138.33 | 141.92 | 2.3284 | -7.06 | -3.5001 | -0.035 | 2.1922 |
| 100 | 140.44 | 141.4 | 142.55 | 0.75825 | 140.27 | 142.98 | 146.83 | 2.3868 | -2.28 | 1.5769 | 5.445 | 2.6887 |

# Device Test: 19.5 tsr_SEQ_Rising/SEQ_DONE/1.6/3/0/0/0/@SEQ_DONE_SLEW_RATE_RISE



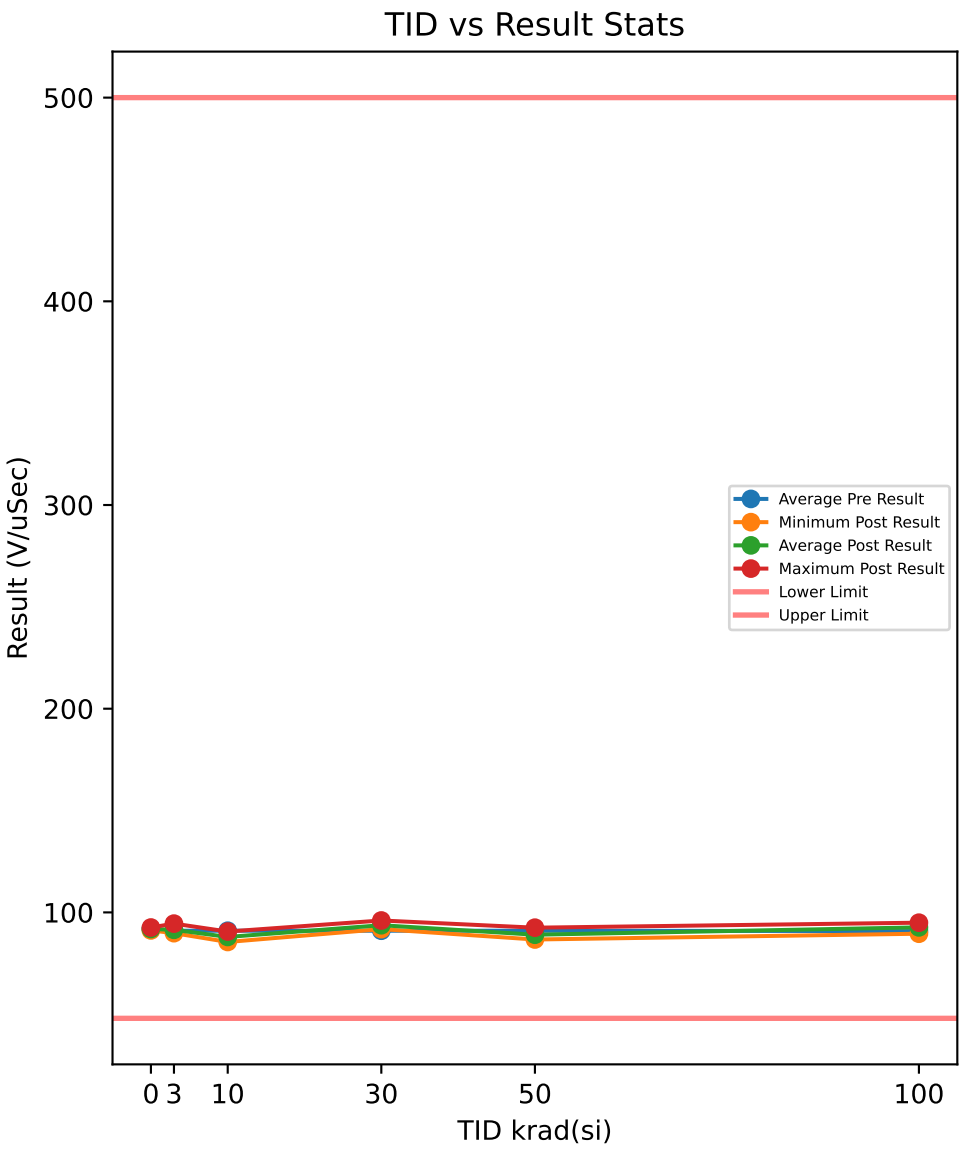

Test Results (Lower Limit = 19.0, Upper Limit = 1000.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.812 | 24.812 | 0 |
| 7 | 0 | Correlation | 26.162 | 26.162 | 0 |
| 16 | 3 | LDR-Biased | 26.062 | 25.206 | -0.856 |
| 18 | 3 | LDR-Biased | 25.139 | 25.036 | -0.103 |
| 19 | 3 | LDR-Biased | 25.188 | 25.152 | -0.036 |
| 20 | 3 | LDR-Biased | 25.624 | 25.131 | -0.493 |
| 21 | 3 | LDR-Biased | 26.052 | 25.394 | -0.658 |
| 22 | 3 | LDR-Unbiased | 25.088 | 25.358 | 0.27 |
| 23 | 3 | LDR-Unbiased | 25.275 | 26.055 | 0.78 |
| 25 | 3 | LDR-Unbiased | 25.524 | 25.016 | -0.508 |
| 26 | 3 | LDR-Unbiased | 25.358 | 26.228 | 0.87 |
| 27 | 3 | LDR-Unbiased | 25.821 | 25.918 | 0.097 |
| 46 | 10 | LDR-Biased | 26.062 | 25.52 | -0.542 |
| 48 | 10 | LDR-Biased | 25.139 | 24.16 | -0.979 |
| 49 | 10 | LDR-Biased | 25.188 | 25.252 | 0.064 |
| 50 | 10 | LDR-Biased | 25.624 | 24.87 | -0.754 |
| 51 | 10 | LDR-Biased | 26.052 | 25.078 | -0.974 |
| 52 | 10 | LDR-Unbiased | 25.088 | 24.757 | -0.331 |
| 53 | 10 | LDR-Unbiased | 25.275 | 25.392 | 0.117 |
| 55 | 10 | LDR-Unbiased | 25.524 | 24.148 | -1.376 |
| 56 | 10 | LDR-Unbiased | 25.358 | 25.011 | -0.347 |
| 57 | 10 | LDR-Unbiased | 25.821 | 25.079 | -0.742 |
| 76 | 30 | LDR-Biased | 26.062 | 25.186 | -0.876 |
| 78 | 30 | LDR-Biased | 25.139 | 24.729 | -0.41 |
| 79 | 30 | LDR-Biased | 25.188 | 25.43 | 0.242 |
| 80 | 30 | LDR-Biased | 25.624 | 25.019 | -0.605 |
| 81 | 30 | LDR-Biased | 26.052 | 24.541 | -1.511 |
| 82 | 30 | LDR-Unbiased | 25.088 | 25.272 | 0.184 |
| 83 | 30 | LDR-Unbiased | 25.275 | 24.775 | -0.5 |
| 84 | 30 | LDR-Unbiased | 25.821 | 24.857 | -0.964 |
| 85 | 30 | LDR-Unbiased | 25.524 | 23.948 | -1.576 |
| 86 | 30 | LDR-Unbiased | 25.358 | 24.301 | -1.057 |
| 87 | 100 | LDR-Biased | 25.238 | 24.003 | -1.235 |
| 88 | 100 | LDR-Biased | 25.867 | 25.136 | -0.731 |
| 90 | 100 | LDR-Biased | 25.048 | 24.992 | -0.056 |
| 91 | 100 | LDR-Unbiased | 25.888 | 23.471 | -2.417 |
| 93 | 100 | LDR-Unbiased | 25.69 | 24.098 | -1.592 |
| 94 | 100 | LDR-Unbiased | 24.92 | 23.97 | -0.95 |
| 95 | 100 | LDR-Unbiased | 25.822 | 24.248 | -1.574 |
| 96 | 100 | LDR-Unbiased | 26.132 | 23.975 | -2.157 |
| 106 | 50 | LDR-Biased | 26.062 | 24.673 | -1.389 |
| 108 | 50 | LDR-Biased | 25.139 | 23.621 | -1.518 |
| 109 | 50 | LDR-Biased | 25.188 | 24.66 | -0.528 |
| 110 | 50 | LDR-Biased | 25.624 | 24.805 | -0.819 |
| 111 | 50 | LDR-Biased | 26.052 | 23.935 | -2.117 |
| 112 | 50 | LDR-Unbiased | 25.088 | 24.023 | -1.065 |
| 113 | 50 | LDR-Unbiased | 25.275 | 23.596 | -1.679 |
| 115 | 50 | LDR-Unbiased | 25.524 | 23.693 | -1.831 |
| 116 | 50 | LDR-Unbiased | 25.358 | 24.47 | -0.888 |
| 117 | 50 | LDR-Unbiased | 25.821 | 23.975 | -1.846 |

Test Statistics (V/uSec)

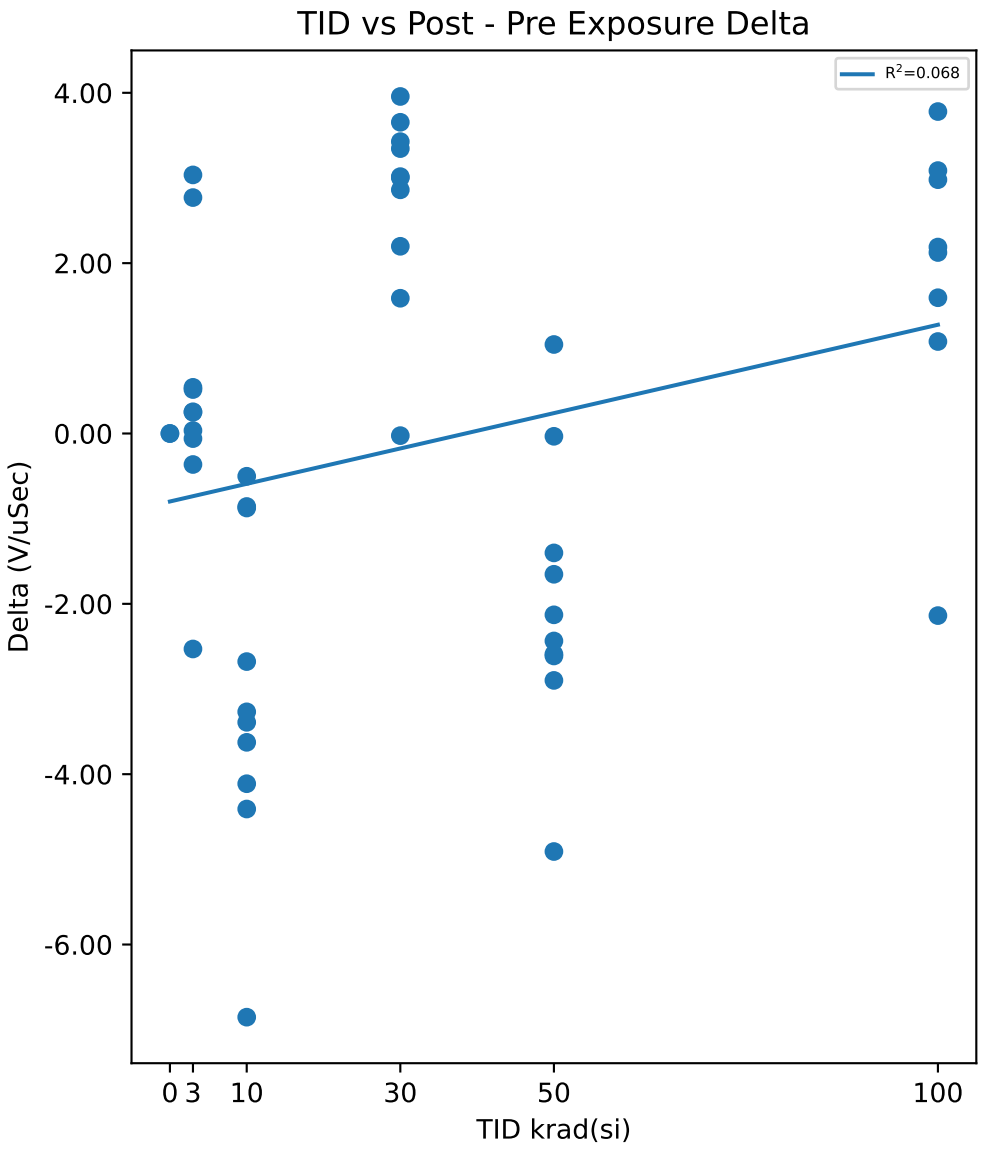
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.812 | 25.487 | 26.162 | 0.95459 | 24.812 | 25.487 | 26.162 | 0.95459 | 0 | 0 | 0 | 0 |
| 3 | 25.088 | 25.513 | 26.062 | 0.36606 | 25.016 | 25.449 | 26.228 | 0.44867 | -0.856 | -0.0637 | 0.87 | 0.58554 |
| 10 | 25.088 | 25.513 | 26.062 | 0.36606 | 24.148 | 24.927 | 25.52 | 0.46592 | -1.376 | -0.5864 | 0.117 | 0.47404 |
| 30 | 25.088 | 25.513 | 26.062 | 0.36606 | 23.948 | 24.806 | 25.43 | 0.45549 | -1.576 | -0.7073 | 0.242 | 0.61955 |
| 50 | 25.088 | 25.513 | 26.062 | 0.36606 | 23.596 | 24.145 | 24.805 | 0.46588 | -2.117 | -1.368 | -0.528 | 0.52204 |
| 100 | 24.92 | 25.576 | 26.132 | 0.4453 | 23.471 | 24.237 | 25.136 | 0.55794 | -2.417 | -1.339 | -0.056 | 0.76796 |

# Device Test: 19.6 tsr_EN1_Falling/EN1/1.6/3/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

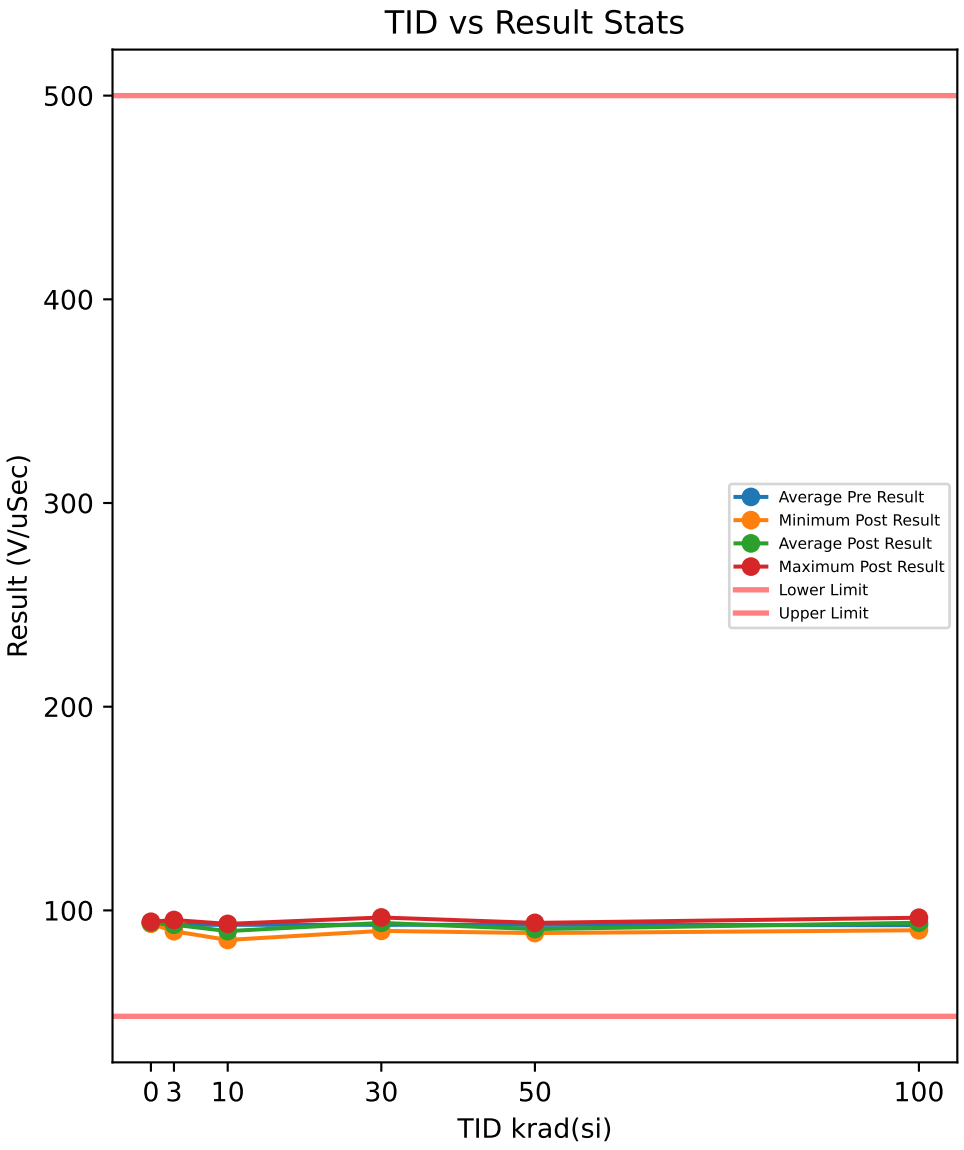
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 91.155 | 91.155 | 0 |
| 7 | 0 | Correlation | 92.581 | 92.581 | 0 |
| 16 | 3 | LDR-Biased | 93.171 | 93.713 | 0.542 |
| 18 | 3 | LDR-Biased | 90.056 | 92.826 | 2.77 |
| 19 | 3 | LDR-Biased | 90.414 | 90.05 | -0.364 |
| 20 | 3 | LDR-Biased | 89.874 | 90.123 | 0.249 |
| 21 | 3 | LDR-Biased | 89.593 | 89.848 | 0.255 |
| 22 | 3 | LDR-Unbiased | 91.294 | 91.329 | 0.035 |
| 23 | 3 | LDR-Unbiased | 90.995 | 91.511 | 0.516 |
| 25 | 3 | LDR-Unbiased | 91.454 | 94.49 | 3.036 |
| 26 | 3 | LDR-Unbiased | 90.867 | 90.807 | -0.06 |
| 27 | 3 | LDR-Unbiased | 92.336 | 89.806 | -2.53 |
| 46 | 10 | LDR-Biased | 93.171 | 89.78 | -3.391 |
| 48 | 10 | LDR-Biased | 90.056 | 89.181 | -0.875 |
| 49 | 10 | LDR-Biased | 90.414 | 86.005 | -4.409 |
| 50 | 10 | LDR-Biased | 89.874 | 89.372 | -0.502 |
| 51 | 10 | LDR-Biased | 89.593 | 85.481 | -4.112 |
| 52 | 10 | LDR-Unbiased | 91.294 | 88.616 | -2.678 |
| 53 | 10 | LDR-Unbiased | 90.995 | 87.369 | -3.626 |
| 55 | 10 | LDR-Unbiased | 91.454 | 90.597 | -0.857 |
| 56 | 10 | LDR-Unbiased | 90.867 | 87.599 | -3.268 |
| 57 | 10 | LDR-Unbiased | 92.336 | 85.483 | -6.853 |
| 76 | 30 | LDR-Biased | 93.171 | 96.032 | 2.861 |
| 78 | 30 | LDR-Biased | 90.056 | 93.401 | 3.345 |
| 79 | 30 | LDR-Biased | 90.414 | 92.002 | 1.588 |
| 80 | 30 | LDR-Biased | 89.874 | 93.301 | 3.427 |
| 81 | 30 | LDR-Biased | 89.593 | 91.791 | 2.198 |
| 82 | 30 | LDR-Unbiased | 91.294 | 94.31 | 3.016 |
| 83 | 30 | LDR-Unbiased | 90.995 | 93.998 | 3.003 |
| 84 | 30 | LDR-Unbiased | 92.336 | 92.311 | -0.025 |
| 85 | 30 | LDR-Unbiased | 91.454 | 95.108 | 3.654 |
| 86 | 30 | LDR-Unbiased | 90.867 | 94.824 | 3.957 |
| 87 | 100 | LDR-Biased | 91.167 | 94.947 | 3.78 |
| 88 | 100 | LDR-Biased | 92.382 | 90.244 | -2.138 |
| 90 | 100 | LDR-Biased | 88.456 | 89.536 | 1.08 |
| 91 | 100 | LDR-Unbiased | 91.389 | 93.514 | 2.125 |
| 93 | 100 | LDR-Unbiased | 89.577 | 92.557 | 2.98 |
| 94 | 100 | LDR-Unbiased | 91.706 | 93.3 | 1.594 |
| 95 | 100 | LDR-Unbiased | 91.41 | 94.497 | 3.087 |
| 96 | 100 | LDR-Unbiased | 90.452 | 92.641 | 2.189 |
| 106 | 50 | LDR-Biased | 93.171 | 90.559 | -2.612 |
| 108 | 50 | LDR-Biased | 90.056 | 90.023 | -0.033 |
| 109 | 50 | LDR-Biased | 90.414 | 89.012 | -1.402 |
| 110 | 50 | LDR-Biased | 89.874 | 88.221 | -1.653 |
| 111 | 50 | LDR-Biased | 89.593 | 86.694 | -2.899 |
| 112 | 50 | LDR-Unbiased | 91.294 | 89.165 | -2.129 |
| 113 | 50 | LDR-Unbiased | 90.995 | 88.559 | -2.436 |
| 115 | 50 | LDR-Unbiased | 91.454 | 92.499 | 1.045 |
| 116 | 50 | LDR-Unbiased | 90.867 | 88.277 | -2.59 |
| 117 | 50 | LDR-Unbiased | 92.336 | 87.428 | -4.908 |

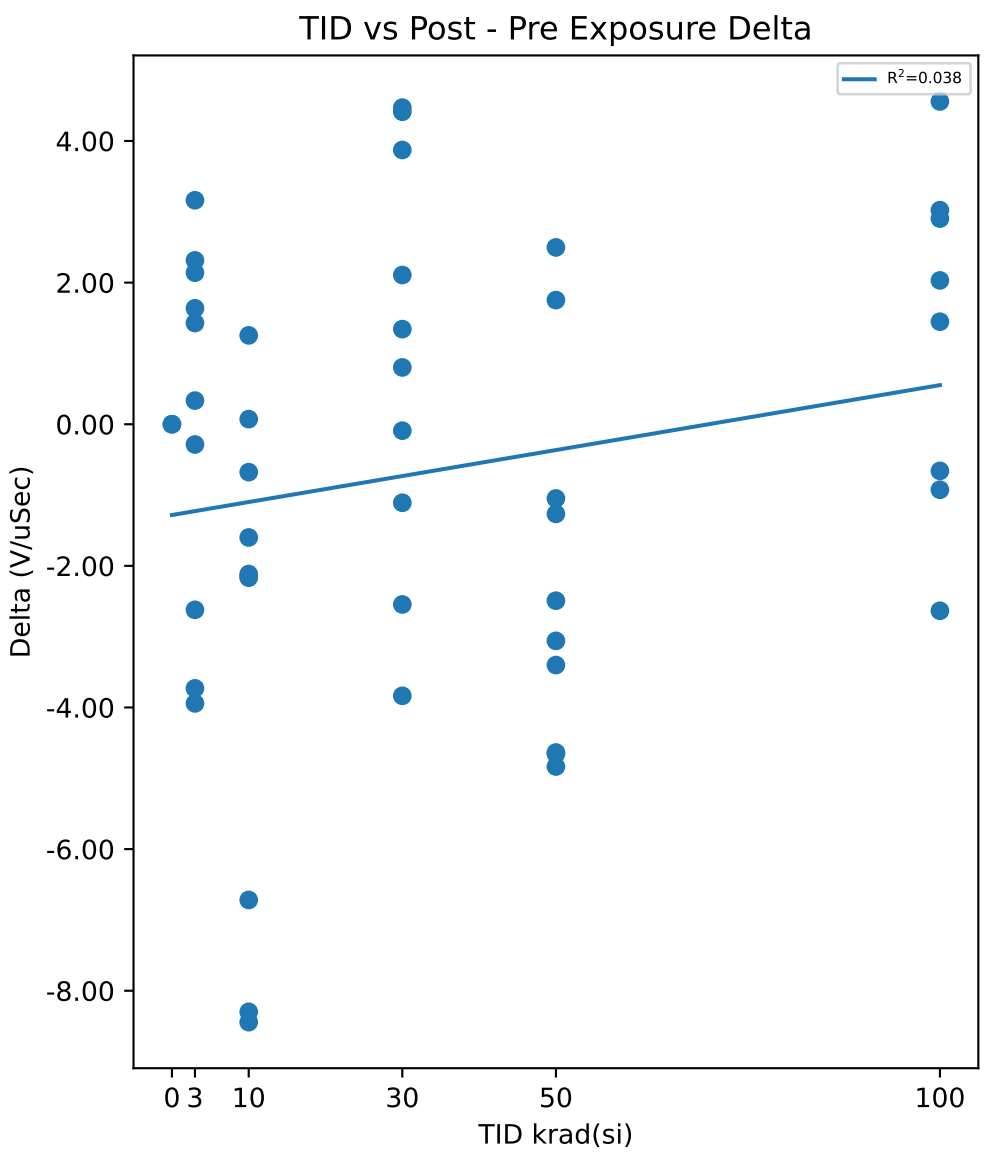



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 91.155 | 91.868 | 92.581 | 1.0083 | 91.155 | 91.868 | 92.581 | 1.0083 | 0 | 0 | 0 | 0 |
| 3 | 89.593 | 91.005 | 93.171 | 1.12 | 89.806 | 91.45 | 94.49 | 1.6891 | -2.53 | 0.4449 | 3.036 | 1.5683 |
| 10 | 89.593 | 91.005 | 93.171 | 1.12 | 85.481 | 87.948 | 90.597 | 1.8488 | -6.853 | -3.0571 | -0.502 | 1.9466 |
| 30 | 89.593 | 91.005 | 93.171 | 1.12 | 91.791 | 93.708 | 96.032 | 1.4083 | -0.025 | 2.7024 | 3.957 | 1.1816 |
| 50 | 89.593 | 91.005 | 93.171 | 1.12 | 86.694 | 89.044 | 92.499 | 1.6614 | -4.908 | -1.9617 | 1.045 | 1.6261 |
| 100 | 88.456 | 90.817 | 92.382 | 1.2698 | 89.536 | 92.654 | 94.947 | 1.903 | -2.138 | 1.8371 | 3.78 | 1.8238 |

# Device Test: 19.7 tsr_EN2_Falling/EN2/1.6/3/0/0/0/@EN_SLEW_RATE_FALL



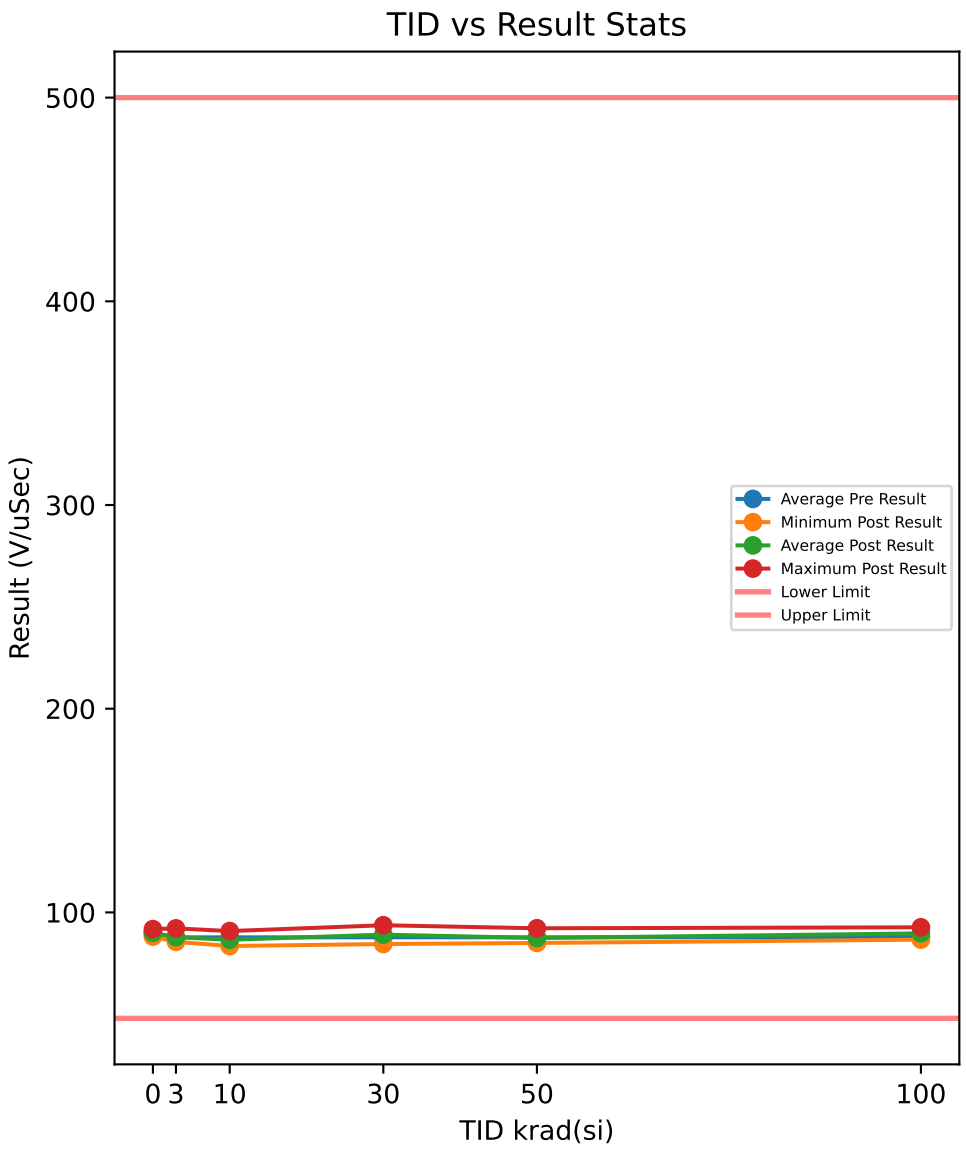

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

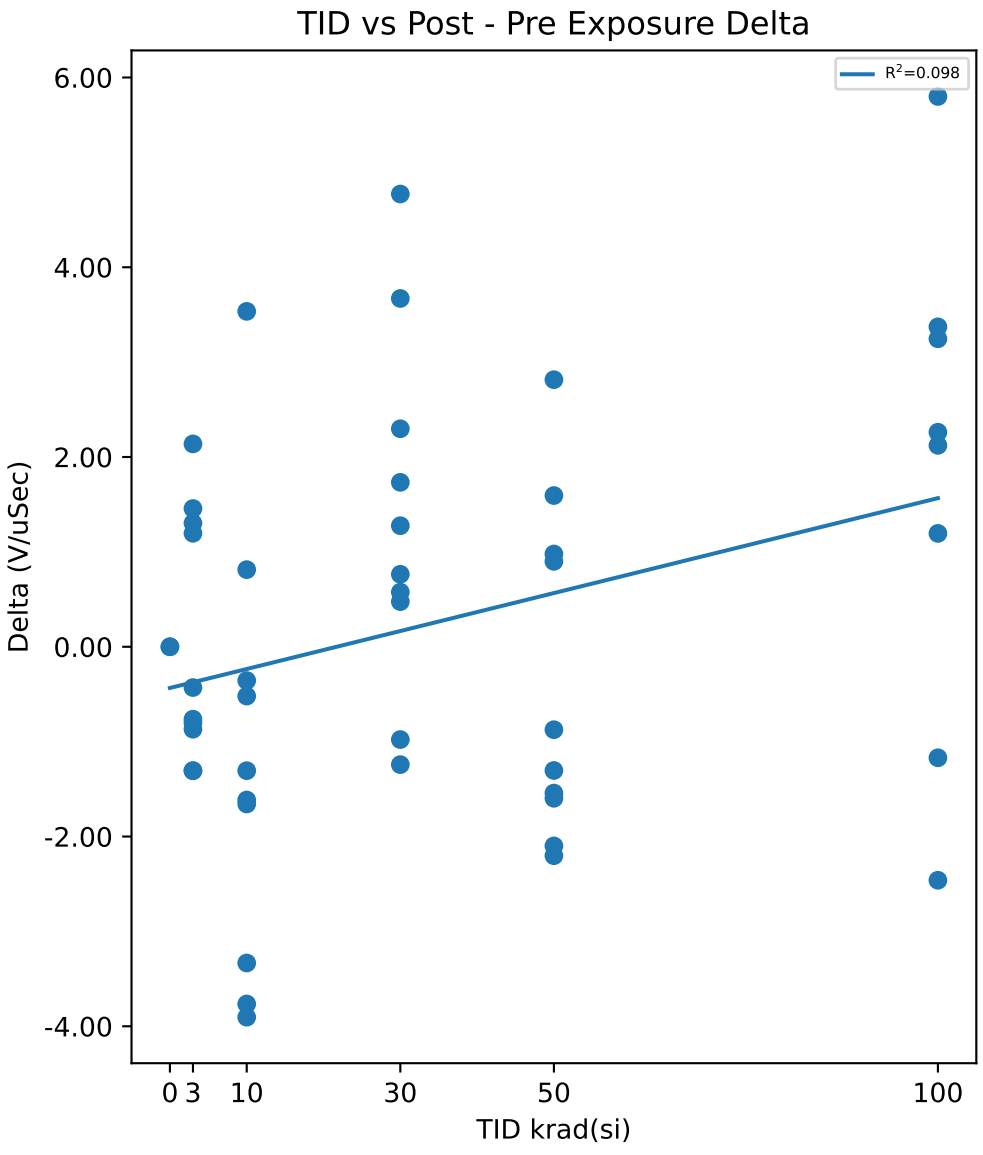
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 93.462 | 93.462 | 0 |
| 7 | 0 | Correlation | 94.434 | 94.434 | 0 |
| 16 | 3 | LDR-Biased | 95.027 | 94.741 | -0.286 |
| 18 | 3 | LDR-Biased | 90.852 | 92.489 | 1.637 |
| 19 | 3 | LDR-Biased | 94.965 | 92.344 | -2.621 |
| 20 | 3 | LDR-Biased | 92.223 | 92.557 | 0.334 |
| 21 | 3 | LDR-Biased | 93.787 | 90.057 | -3.73 |
| 22 | 3 | LDR-Unbiased | 92.007 | 94.321 | 2.314 |
| 23 | 3 | LDR-Unbiased | 92.459 | 93.888 | 1.429 |
| 25 | 3 | LDR-Unbiased | 92.12 | 95.283 | 3.163 |
| 26 | 3 | LDR-Unbiased | 92.121 | 94.261 | 2.14 |
| 27 | 3 | LDR-Unbiased | 93.701 | 89.759 | -3.942 |
| 46 | 10 | LDR-Biased | 95.027 | 92.911 | -2.116 |
| 48 | 10 | LDR-Biased | 90.852 | 90.175 | -0.677 |
| 49 | 10 | LDR-Biased | 94.965 | 86.521 | -8.444 |
| 50 | 10 | LDR-Biased | 92.223 | 90.624 | -1.599 |
| 51 | 10 | LDR-Biased | 93.787 | 85.489 | -8.298 |
| 52 | 10 | LDR-Unbiased | 92.007 | 89.84 | -2.167 |
| 53 | 10 | LDR-Unbiased | 92.459 | 90.313 | -2.146 |
| 55 | 10 | LDR-Unbiased | 92.12 | 93.375 | 1.255 |
| 56 | 10 | LDR-Unbiased | 92.121 | 92.193 | 0.072 |
| 57 | 10 | LDR-Unbiased | 93.701 | 86.983 | -6.718 |
| 76 | 30 | LDR-Biased | 95.027 | 93.918 | -1.109 |
| 78 | 30 | LDR-Biased | 90.852 | 95.323 | 4.471 |
| 79 | 30 | LDR-Biased | 94.965 | 92.42 | -2.545 |
| 80 | 30 | LDR-Biased | 92.223 | 93.566 | 1.343 |
| 81 | 30 | LDR-Biased | 93.787 | 89.952 | -3.835 |
| 82 | 30 | LDR-Unbiased | 92.007 | 92.809 | 0.802 |
| 83 | 30 | LDR-Unbiased | 92.459 | 94.566 | 2.107 |
| 84 | 30 | LDR-Unbiased | 93.701 | 93.61 | -0.091 |
| 85 | 30 | LDR-Unbiased | 92.12 | 96.533 | 4.413 |
| 86 | 30 | LDR-Unbiased | 92.121 | 95.994 | 3.873 |
| 87 | 100 | LDR-Biased | 91.226 | 94.13 | 2.904 |
| 88 | 100 | LDR-Biased | 92.708 | 92.049 | -0.659 |
| 90 | 100 | LDR-Biased | 91.18 | 90.255 | -0.925 |
| 91 | 100 | LDR-Unbiased | 93.973 | 96.004 | 2.031 |
| 93 | 100 | LDR-Unbiased | 92.744 | 94.192 | 1.448 |
| 94 | 100 | LDR-Unbiased | 95.518 | 92.884 | -2.634 |
| 95 | 100 | LDR-Unbiased | 92.543 | 95.566 | 3.023 |
| 96 | 100 | LDR-Unbiased | 91.85 | 96.408 | 4.558 |
| 106 | 50 | LDR-Biased | 95.027 | 91.968 | -3.059 |
| 108 | 50 | LDR-Biased | 90.852 | 93.349 | 2.497 |
| 109 | 50 | LDR-Biased | 94.965 | 90.31 | -4.655 |
| 110 | 50 | LDR-Biased | 92.223 | 89.731 | -2.492 |
| 111 | 50 | LDR-Biased | 93.787 | 89.151 | -4.636 |
| 112 | 50 | LDR-Unbiased | 92.007 | 90.741 | -1.266 |
| 113 | 50 | LDR-Unbiased | 92.459 | 89.058 | -3.401 |
| 115 | 50 | LDR-Unbiased | 92.12 | 93.873 | 1.753 |
| 116 | 50 | LDR-Unbiased | 92.121 | 91.073 | -1.048 |
| 117 | 50 | LDR-Unbiased | 93.701 | 88.867 | -4.834 |

Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 93.462 | 93.948 | 94.434 | 0.68731 | 93.462 | 93.948 | 94.434 | 0.68731 | 0 | 0 | 0 | 0 |
| 3 | 90.852 | 92.926 | 95.027 | 1.3772 | 89.759 | 92.97 | 95.283 | 1.8977 | -3.942 | 0.0438 | 3.163 | 2.6068 |
| 10 | 90.852 | 92.926 | 95.027 | 1.3772 | 85.489 | 89.842 | 93.375 | 2.7187 | -8.444 | -3.0838 | 1.255 | 3.4732 |
| 30 | 90.852 | 92.926 | 95.027 | 1.3772 | 89.952 | 93.869 | 96.533 | 1.9131 | -3.835 | 0.9429 | 4.471 | 2.8845 |
| 50 | 90.852 | 92.926 | 95.027 | 1.3772 | 88.867 | 90.812 | 93.873 | 1.7718 | -4.834 | -2.1141 | 2.497 | 2.603 |
| 100 | 91.18 | 92.718 | 95.518 | 1.4536 | 90.255 | 93.936 | 96.408 | 2.1168 | -2.634 | 1.2182 | 4.558 | 2.4179 |

# Device Test: 19.8 tsr_EN3_Falling/EN3/1.6/3/0/0/0/@EN_SLEW_RATE_FALL



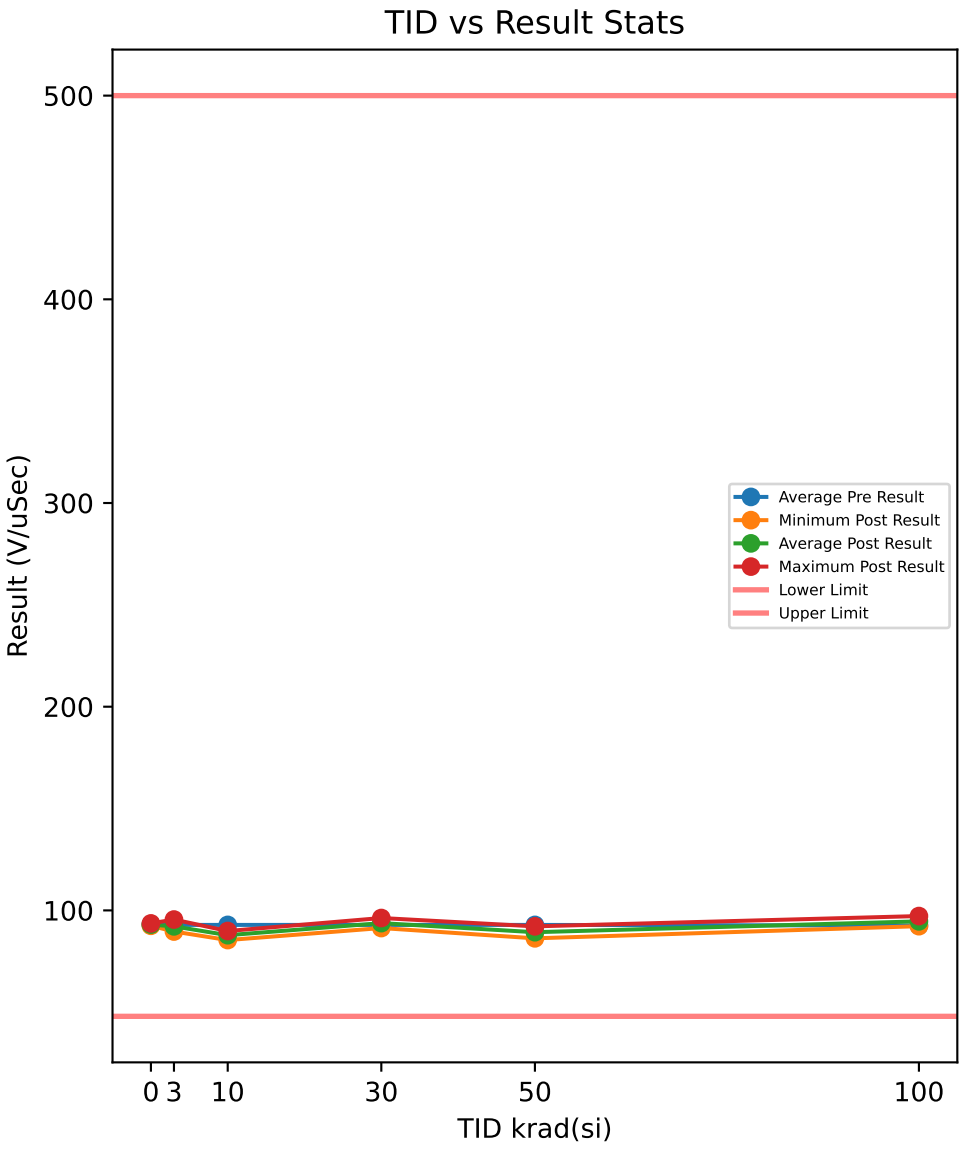

Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 88.107 | 88.107 | 0 |
| 7 | 0 | Correlation | 91.798 | 91.798 | 0 |
| 16 | 3 | LDR-Biased | 90.613 | 89.813 | -0.8 |
| 18 | 3 | LDR-Biased | 87.762 | 89.065 | 1.303 |
| 19 | 3 | LDR-Biased | 86.316 | 85.553 | -0.763 |
| 20 | 3 | LDR-Biased | 85.454 | 86.911 | 1.457 |
| 21 | 3 | LDR-Biased | 86.971 | 85.666 | -1.305 |
| 22 | 3 | LDR-Unbiased | 90.02 | 89.151 | -0.869 |
| 23 | 3 | LDR-Unbiased | 87.394 | 86.964 | -0.43 |
| 25 | 3 | LDR-Unbiased | 90.02 | 92.158 | 2.138 |
| 26 | 3 | LDR-Unbiased | 85.989 | 87.185 | 1.196 |
| 27 | 3 | LDR-Unbiased | 87.089 | 85.782 | -1.307 |
| 46 | 10 | LDR-Biased | 90.613 | 90.093 | -0.52 |
| 48 | 10 | LDR-Biased | 87.762 | 86.456 | -1.306 |
| 49 | 10 | LDR-Biased | 86.316 | 84.659 | -1.657 |
| 50 | 10 | LDR-Biased | 85.454 | 83.839 | -1.615 |
| 51 | 10 | LDR-Biased | 86.971 | 83.638 | -3.333 |
| 52 | 10 | LDR-Unbiased | 90.02 | 86.255 | -3.765 |
| 53 | 10 | LDR-Unbiased | 87.394 | 83.49 | -3.904 |
| 55 | 10 | LDR-Unbiased | 90.02 | 90.833 | 0.813 |
| 56 | 10 | LDR-Unbiased | 85.989 | 89.524 | 3.535 |
| 57 | 10 | LDR-Unbiased | 87.089 | 86.733 | -0.356 |
| 76 | 30 | LDR-Biased | 90.613 | 89.371 | -1.242 |
| 78 | 30 | LDR-Biased | 87.762 | 89.495 | 1.733 |
| 79 | 30 | LDR-Biased | 86.316 | 86.892 | 0.576 |
| 80 | 30 | LDR-Biased | 85.454 | 84.476 | -0.978 |
| 81 | 30 | LDR-Biased | 86.971 | 87.447 | 0.476 |
| 82 | 30 | LDR-Unbiased | 90.02 | 90.784 | 0.764 |
| 83 | 30 | LDR-Unbiased | 87.394 | 88.67 | 1.276 |
| 84 | 30 | LDR-Unbiased | 87.089 | 89.387 | 2.298 |
| 85 | 30 | LDR-Unbiased | 90.02 | 93.691 | 3.671 |
| 86 | 30 | LDR-Unbiased | 85.989 | 90.761 | 4.772 |
| 87 | 100 | LDR-Biased | 86.88 | 92.68 | 5.8 |
| 88 | 100 | LDR-Biased | 89.604 | 87.143 | -2.461 |
| 90 | 100 | LDR-Biased | 85.98 | 89.226 | 3.246 |
| 91 | 100 | LDR-Unbiased | 90.434 | 92.557 | 2.123 |
| 93 | 100 | LDR-Unbiased | 88.448 | 90.709 | 2.261 |
| 94 | 100 | LDR-Unbiased | 87.786 | 86.616 | -1.17 |
| 95 | 100 | LDR-Unbiased | 88.097 | 89.292 | 1.195 |
| 96 | 100 | LDR-Unbiased | 86.036 | 89.408 | 3.372 |
| 106 | 50 | LDR-Biased | 90.613 | 92.207 | 1.594 |
| 108 | 50 | LDR-Biased | 87.762 | 86.22 | -1.542 |
| 109 | 50 | LDR-Biased | 86.316 | 85.442 | -0.874 |
| 110 | 50 | LDR-Biased | 85.454 | 86.354 | 0.9 |
| 111 | 50 | LDR-Biased | 86.971 | 85.667 | -1.304 |
| 112 | 50 | LDR-Unbiased | 90.02 | 87.818 | -2.202 |
| 113 | 50 | LDR-Unbiased | 87.394 | 85.797 | -1.597 |
| 115 | 50 | LDR-Unbiased | 90.02 | 90.998 | 0.978 |
| 116 | 50 | LDR-Unbiased | 85.989 | 88.804 | 2.815 |
| 117 | 50 | LDR-Unbiased | 87.089 | 84.99 | -2.099 |

Test Statistics (V/uSec)

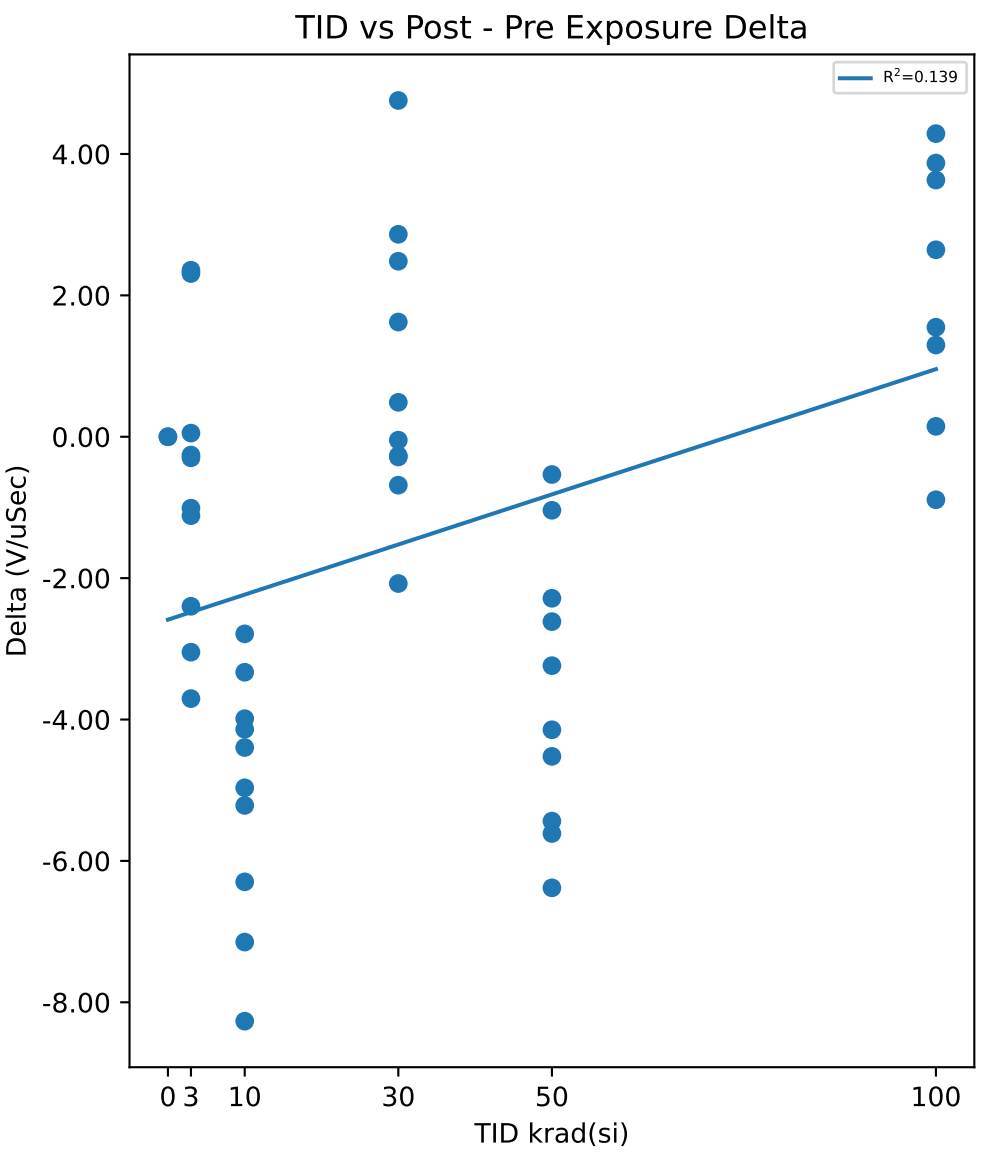
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 88.107 | 89.953 | 91.798 | 2.6099 | 88.107 | 89.953 | 91.798 | 2.6099 | 0 | 0 | 0 | 0 |
| 3 | 85.454 | 87.763 | 90.613 | 1.8288 | 85.553 | 87.825 | 92.158 | 2.1604 | -1.307 | 0.062 | 2.138 | 1.3063 |
| 10 | 85.454 | 87.763 | 90.613 | 1.8288 | 83.49 | 86.552 | 90.833 | 2.7616 | -3.904 | -1.2108 | 3.535 | 2.2725 |
| 30 | 85.454 | 87.763 | 90.613 | 1.8288 | 84.476 | 89.097 | 93.691 | 2.4979 | -1.242 | 1.3346 | 4.772 | 1.8853 |
| 50 | 85.454 | 87.763 | 90.613 | 1.8288 | 84.99 | 87.43 | 92.207 | 2.492 | -2.202 | -0.3331 | 2.815 | 1.7565 |
| 100 | 85.98 | 87.908 | 90.434 | 1.5981 | 86.616 | 89.704 | 92.68 | 2.2228 | -2.461 | 1.7958 | 5.8 | 2.6247 |

# Device Test: 19.9 tsr_EN4_Falling/EN4/1.6/3/0/0/0/@EN_SLEW_RATE_FALL




Test Results (Lower Limit = 48.0, Upper Limit = 500.0 (V/uSec))

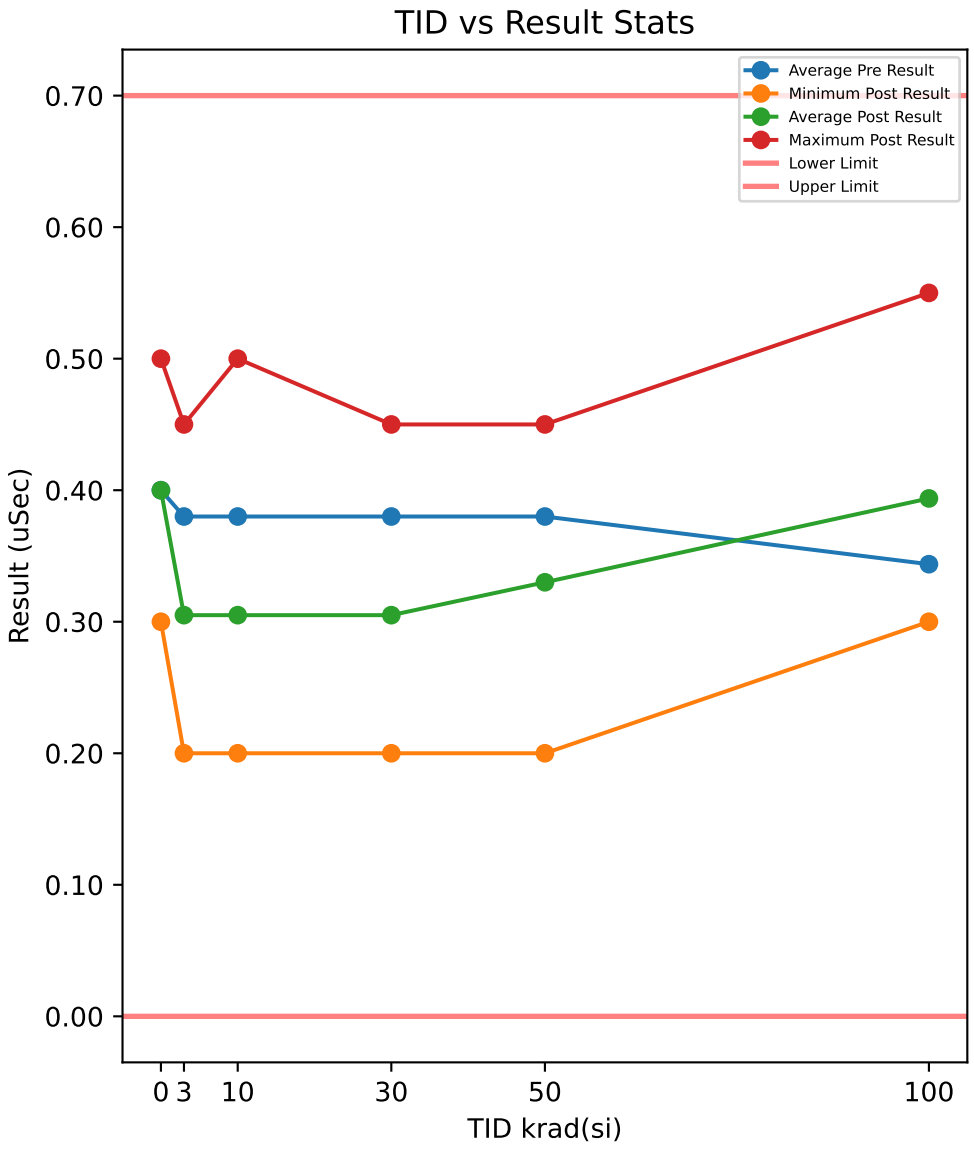
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 92.446 | 92.446 | 0 |
| 7 | 0 | Correlation | 93.613 | 93.613 | 0 |
| 16 | 3 | LDR-Biased | 93.678 | 93.419 | -0.259 |
| 18 | 3 | LDR-Biased | 91.136 | 93.492 | 2.356 |
| 19 | 3 | LDR-Biased | 93.702 | 89.998 | -3.704 |
| 20 | 3 | LDR-Biased | 91.605 | 90.595 | -1.01 |
| 21 | 3 | LDR-Biased | 92.671 | 89.624 | -3.047 |
| 22 | 3 | LDR-Unbiased | 94.041 | 93.743 | -0.298 |
| 23 | 3 | LDR-Unbiased | 93.92 | 91.522 | -2.398 |
| 25 | 3 | LDR-Unbiased | 93.205 | 95.514 | 2.309 |
| 26 | 3 | LDR-Unbiased | 93.397 | 93.449 | 0.052 |
| 27 | 3 | LDR-Unbiased | 91.426 | 90.31 | -1.116 |
| 46 | 10 | LDR-Biased | 93.678 | 89.54 | -4.138 |
| 48 | 10 | LDR-Biased | 91.136 | 88.348 | -2.788 |
| 49 | 10 | LDR-Biased | 93.702 | 85.435 | -8.267 |
| 50 | 10 | LDR-Biased | 91.605 | 86.639 | -4.966 |
| 51 | 10 | LDR-Biased | 92.671 | 86.375 | -6.296 |
| 52 | 10 | LDR-Unbiased | 94.041 | 88.826 | -5.215 |
| 53 | 10 | LDR-Unbiased | 93.92 | 86.772 | -7.148 |
| 55 | 10 | LDR-Unbiased | 93.205 | 89.874 | -3.331 |
| 56 | 10 | LDR-Unbiased | 93.397 | 89.001 | -4.396 |
| 57 | 10 | LDR-Unbiased | 91.426 | 87.438 | -3.988 |
| 76 | 30 | LDR-Biased | 93.678 | 93.63 | -0.048 |
| 78 | 30 | LDR-Biased | 91.136 | 95.893 | 4.757 |
| 79 | 30 | LDR-Biased | 93.702 | 91.626 | -2.076 |
| 80 | 30 | LDR-Biased | 91.605 | 91.338 | -0.267 |
| 81 | 30 | LDR-Biased | 92.671 | 91.986 | -0.685 |
| 82 | 30 | LDR-Unbiased | 94.041 | 94.528 | 0.487 |
| 83 | 30 | LDR-Unbiased | 93.92 | 93.634 | -0.286 |
| 84 | 30 | LDR-Unbiased | 91.426 | 93.049 | 1.623 |
| 85 | 30 | LDR-Unbiased | 93.205 | 95.688 | 2.483 |
| 86 | 30 | LDR-Unbiased | 93.397 | 96.261 | 2.864 |
| 87 | 100 | LDR-Biased | 91.841 | 96.129 | 4.288 |
| 88 | 100 | LDR-Biased | 93.143 | 92.252 | -0.891 |
| 90 | 100 | LDR-Biased | 91.605 | 92.903 | 1.298 |
| 91 | 100 | LDR-Unbiased | 93.349 | 97.221 | 3.872 |
| 93 | 100 | LDR-Unbiased | 92.507 | 96.138 | 3.631 |
| 94 | 100 | LDR-Unbiased | 93.713 | 93.86 | 0.147 |
| 95 | 100 | LDR-Unbiased | 92.648 | 94.197 | 1.549 |
| 96 | 100 | LDR-Unbiased | 91.669 | 94.314 | 2.645 |
| 106 | 50 | LDR-Biased | 93.678 | 91.063 | -2.615 |
| 108 | 50 | LDR-Biased | 91.136 | 90.602 | -0.534 |
| 109 | 50 | LDR-Biased | 93.702 | 88.09 | -5.612 |
| 110 | 50 | LDR-Biased | 91.605 | 88.367 | -3.238 |
| 111 | 50 | LDR-Biased | 92.671 | 86.29 | -6.381 |
| 112 | 50 | LDR-Unbiased | 94.041 | 89.896 | -4.145 |
| 113 | 50 | LDR-Unbiased | 93.92 | 88.483 | -5.437 |
| 115 | 50 | LDR-Unbiased | 93.205 | 92.165 | -1.04 |
| 116 | 50 | LDR-Unbiased | 93.397 | 88.876 | -4.521 |
| 117 | 50 | LDR-Unbiased | 91.426 | 89.141 | -2.285 |

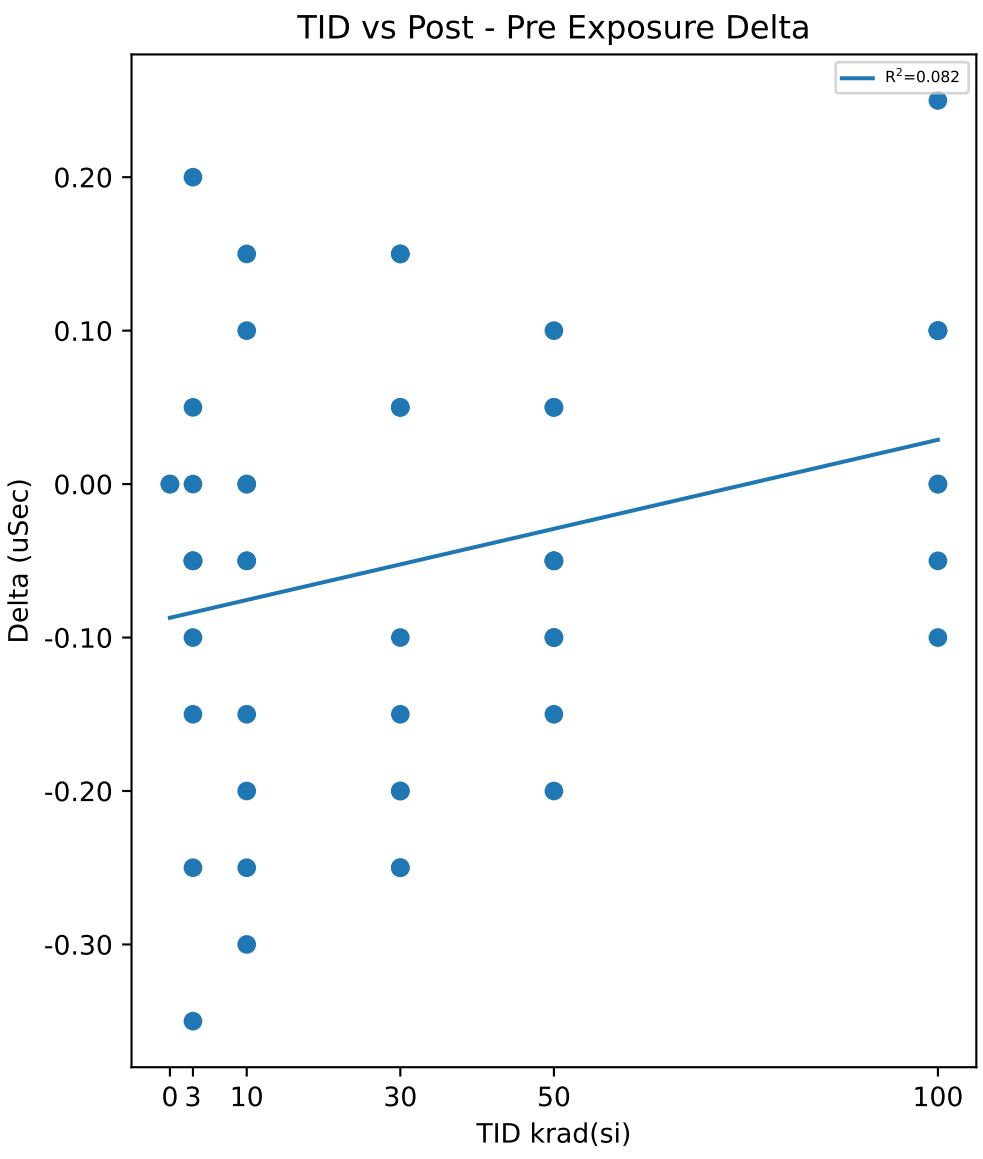



Test Statistics (V/uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 92.446 | 93.029 | 93.613 | 0.82519 | 92.446 | 93.029 | 93.613 | 0.82519 | 0 | 0 | 0 | 0 |
| 3 | 91.136 | 92.878 | 94.041 | 1.1025 | 89.624 | 92.167 | 95.514 | 2.0044 | -3.704 | -0.7115 | 2.356 | 2.0275 |
| 10 | 91.136 | 92.878 | 94.041 | 1.1025 | 85.435 | 87.825 | 89.874 | 1.501 | -8.267 | -5.0533 | -2.788 | 1.7255 |
| 30 | 91.136 | 92.878 | 94.041 | 1.1025 | 91.338 | 93.763 | 96.261 | 1.8018 | -2.076 | 0.8852 | 4.757 | 2.0267 |
| 50 | 91.136 | 92.878 | 94.041 | 1.1025 | 86.29 | 89.297 | 92.165 | 1.6877 | -6.381 | -3.5808 | -0.534 | 1.9744 |
| 100 | 91.605 | 92.559 | 93.713 | 0.80403 | 92.252 | 94.627 | 97.221 | 1.7218 | -0.891 | 2.0674 | 4.288 | 1.8619 |

# Device Test: 25.1 T_MIN_UP/UP/3.3/3/0/0/0/@TMIN_UP



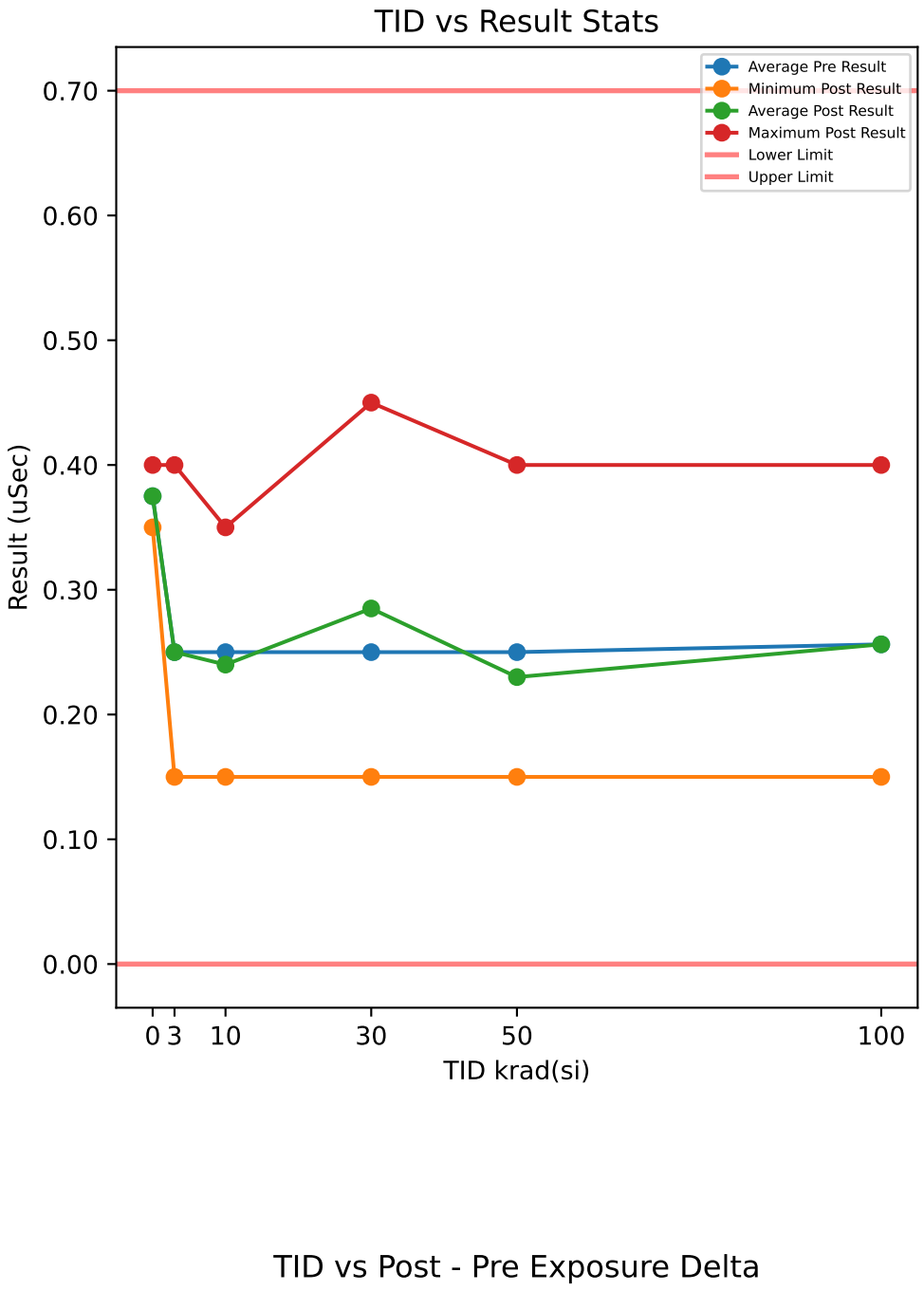

Test Results (Lower Limit = 0.0, Upper Limit = 0.7 (uSec))

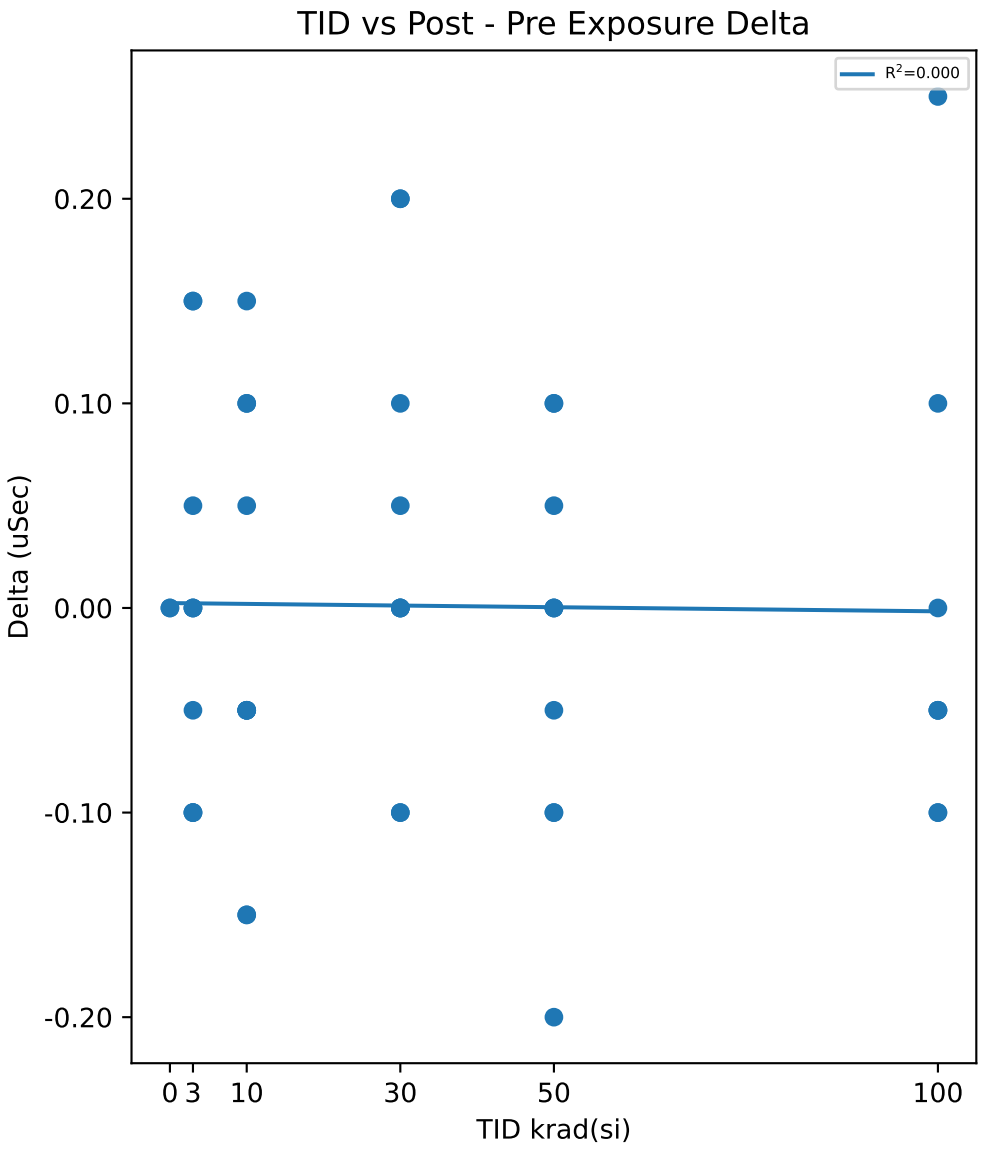
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.5 | 0.5 | 0 |
| 7 | 0 | Correlation | 0.3 | 0.3 | 0 |
| 16 | 3 | LDR-Biased | 0.45 | 0.45 | 0 |
| 18 | 3 | LDR-Biased | 0.35 | 0.4 | 0.05 |
| 19 | 3 | LDR-Biased | 0.2 | 0.4 | 0.2 |
| 20 | 3 | LDR-Biased | 0.5 | 0.25 | -0.25 |
| 21 | 3 | LDR-Biased | 0.45 | 0.4 | -0.05 |
| 22 | 3 | LDR-Unbiased | 0.4 | 0.25 | -0.15 |
| 23 | 3 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 25 | 3 | LDR-Unbiased | 0.35 | 0.25 | -0.1 |
| 26 | 3 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 27 | 3 | LDR-Unbiased | 0.55 | 0.2 | -0.35 |
| 46 | 10 | LDR-Biased | 0.45 | 0.2 | -0.25 |
| 48 | 10 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 49 | 10 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 50 | 10 | LDR-Biased | 0.5 | 0.5 | 0 |
| 51 | 10 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 52 | 10 | LDR-Unbiased | 0.4 | 0.2 | -0.2 |
| 53 | 10 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 55 | 10 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 56 | 10 | LDR-Unbiased | 0.25 | 0.4 | 0.15 |
| 57 | 10 | LDR-Unbiased | 0.55 | 0.25 | -0.3 |
| 76 | 30 | LDR-Biased | 0.45 | 0.2 | -0.25 |
| 78 | 30 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 79 | 30 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 80 | 30 | LDR-Biased | 0.5 | 0.3 | -0.2 |
| 81 | 30 | LDR-Biased | 0.45 | 0.25 | -0.2 |
| 82 | 30 | LDR-Unbiased | 0.4 | 0.25 | -0.15 |
| 83 | 30 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 84 | 30 | LDR-Unbiased | 0.55 | 0.3 | -0.25 |
| 85 | 30 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 86 | 30 | LDR-Unbiased | 0.25 | 0.4 | 0.15 |
| 87 | 100 | LDR-Biased | 0.45 | 0.55 | 0.1 |
| 88 | 100 | LDR-Biased | 0.3 | 0.3 | 0 |
| 90 | 100 | LDR-Biased | 0.3 | 0.3 | 0 |
| 91 | 100 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 93 | 100 | LDR-Unbiased | 0.4 | 0.3 | -0.1 |
| 94 | 100 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 95 | 100 | LDR-Unbiased | 0.4 | 0.35 | -0.05 |
| 96 | 100 | LDR-Unbiased | 0.3 | 0.55 | 0.25 |
| 106 | 50 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 108 | 50 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 109 | 50 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 110 | 50 | LDR-Biased | 0.5 | 0.45 | -0.05 |
| 111 | 50 | LDR-Biased | 0.45 | 0.25 | -0.2 |
| 112 | 50 | LDR-Unbiased | 0.4 | 0.45 | 0.05 |
| 113 | 50 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 115 | 50 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 116 | 50 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 117 | 50 | LDR-Unbiased | 0.55 | 0.45 | -0.1 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.3 | 0.4 | 0.5 | 0.14142 | 0.3 | 0.4 | 0.5 | 0.14142 | 0 | 0 | 0 | 0 |
| 3 | 0.2 | 0.38 | 0.55 | 0.11106 | 0.2 | 0.305 | 0.45 | 0.095598 | -0.35 | -0.075 | 0.2 | 0.15321 |
| 10 | 0.2 | 0.38 | 0.55 | 0.11106 | 0.2 | 0.305 | 0.5 | 0.089598 | -0.3 | -0.075 | 0.15 | 0.14767 |
| 30 | 0.2 | 0.38 | 0.55 | 0.11106 | 0.2 | 0.305 | 0.45 | 0.083166 | -0.25 | -0.075 | 0.15 | 0.16029 |
| 50 | 0.2 | 0.38 | 0.55 | 0.11106 | 0.2 | 0.33 | 0.45 | 0.097753 | -0.2 | -0.05 | 0.1 | 0.094281 |
| 100 | 0.3 | 0.34375 | 0.45 | 0.062321 | 0.3 | 0.39375 | 0.55 | 0.10501 | -0.1 | 0.05 | 0.25 | 0.11019 |

# Device Test: 25.2 T_MIN_UP/UP/3.3/14/0/0/0/@TMIN_UP



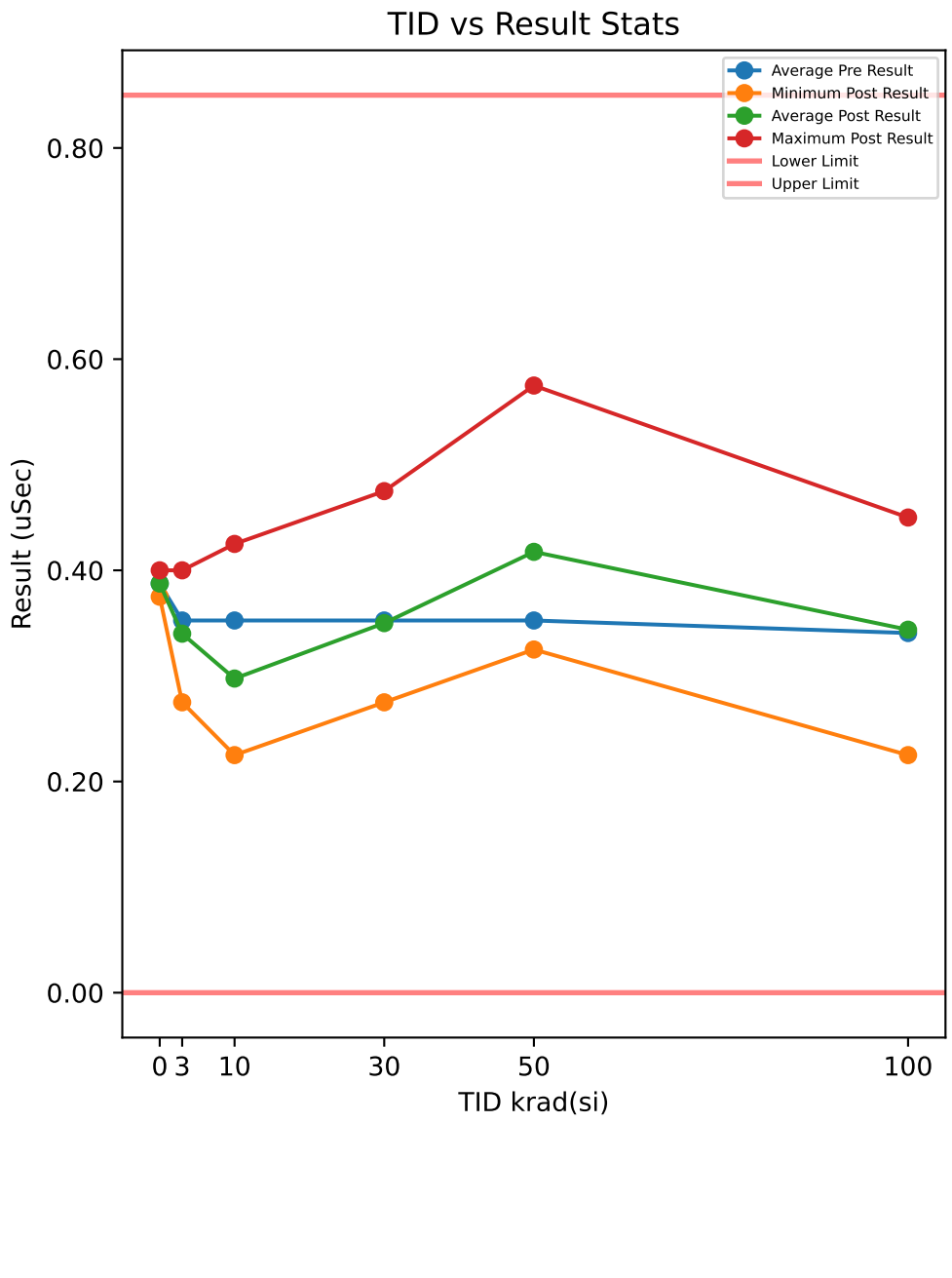

Test Results (Lower Limit = 0.0, Upper Limit = 0.7 (uSec))

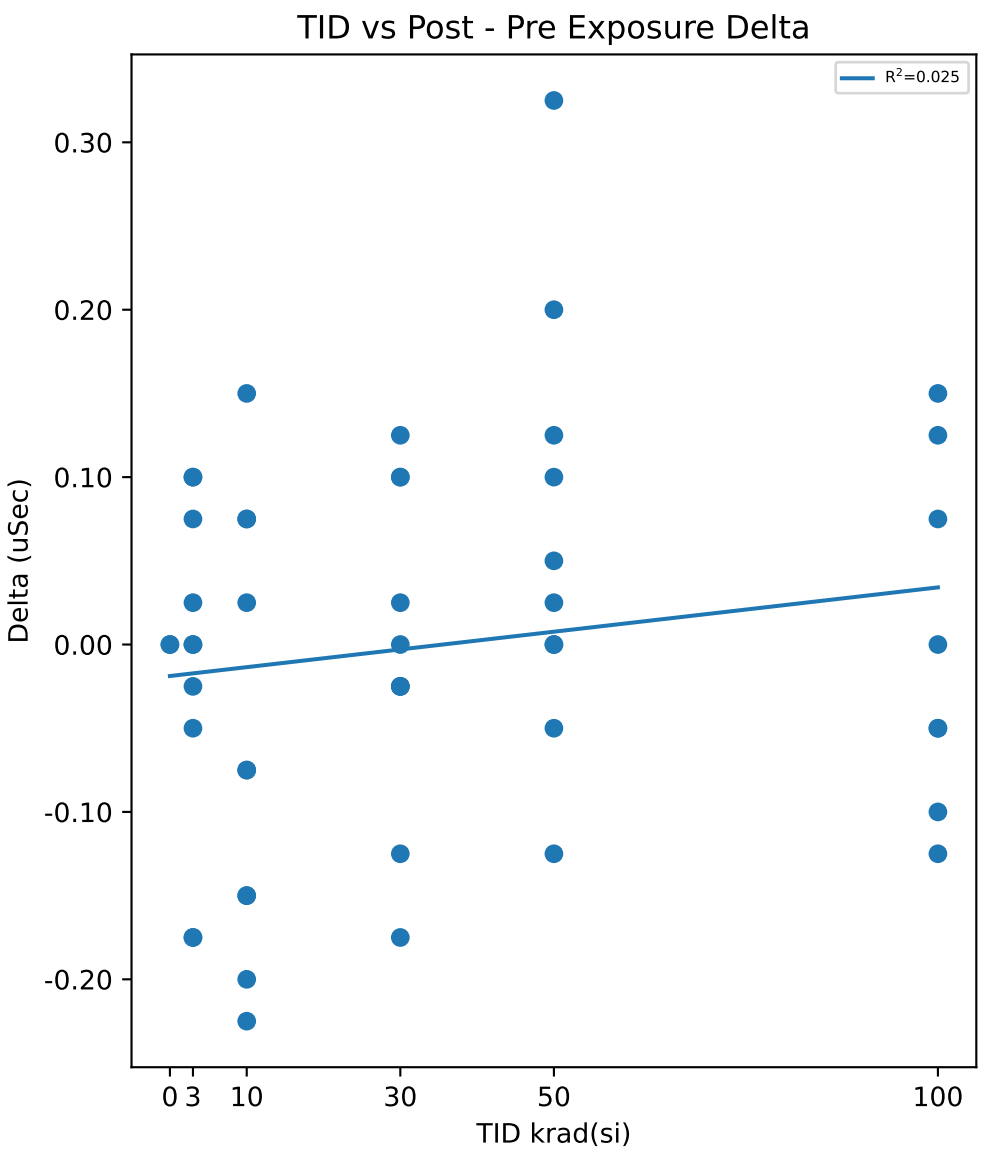
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.35 | 0.35 | 0 |
| 7 | 0 | Correlation | 0.4 | 0.4 | 0 |
| 16 | 3 | LDR-Biased | 0.2 | 0.2 | 0 |
| 18 | 3 | LDR-Biased | 0.2 | 0.2 | 0 |
| 19 | 3 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 20 | 3 | LDR-Biased | 0.25 | 0.4 | 0.15 |
| 21 | 3 | LDR-Biased | 0.35 | 0.35 | 0 |
| 22 | 3 | LDR-Unbiased | 0.25 | 0.15 | -0.1 |
| 23 | 3 | LDR-Unbiased | 0.15 | 0.2 | 0.05 |
| 25 | 3 | LDR-Unbiased | 0.2 | 0.35 | 0.15 |
| 26 | 3 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 27 | 3 | LDR-Unbiased | 0.25 | 0.15 | -0.1 |
| 46 | 10 | LDR-Biased | 0.2 | 0.15 | -0.05 |
| 48 | 10 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 49 | 10 | LDR-Biased | 0.35 | 0.2 | -0.15 |
| 50 | 10 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 51 | 10 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 52 | 10 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 53 | 10 | LDR-Unbiased | 0.15 | 0.25 | 0.1 |
| 55 | 10 | LDR-Unbiased | 0.2 | 0.35 | 0.15 |
| 56 | 10 | LDR-Unbiased | 0.3 | 0.15 | -0.15 |
| 57 | 10 | LDR-Unbiased | 0.25 | 0.35 | 0.1 |
| 76 | 30 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 78 | 30 | LDR-Biased | 0.2 | 0.2 | 0 |
| 79 | 30 | LDR-Biased | 0.35 | 0.35 | 0 |
| 80 | 30 | LDR-Biased | 0.25 | 0.15 | -0.1 |
| 81 | 30 | LDR-Biased | 0.35 | 0.4 | 0.05 |
| 82 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 83 | 30 | LDR-Unbiased | 0.15 | 0.15 | 0 |
| 84 | 30 | LDR-Unbiased | 0.25 | 0.45 | 0.2 |
| 85 | 30 | LDR-Unbiased | 0.2 | 0.4 | 0.2 |
| 86 | 30 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 87 | 100 | LDR-Biased | 0.25 | 0.15 | -0.1 |
| 88 | 100 | LDR-Biased | 0.2 | 0.2 | 0 |
| 90 | 100 | LDR-Biased | 0.2 | 0.15 | -0.05 |
| 91 | 100 | LDR-Unbiased | 0.35 | 0.25 | -0.1 |
| 93 | 100 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 94 | 100 | LDR-Unbiased | 0.15 | 0.4 | 0.25 |
| 95 | 100 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 96 | 100 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 106 | 50 | LDR-Biased | 0.2 | 0.2 | 0 |
| 108 | 50 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 109 | 50 | LDR-Biased | 0.35 | 0.15 | -0.2 |
| 110 | 50 | LDR-Biased | 0.25 | 0.15 | -0.1 |
| 111 | 50 | LDR-Biased | 0.35 | 0.4 | 0.05 |
| 112 | 50 | LDR-Unbiased | 0.25 | 0.15 | -0.1 |
| 113 | 50 | LDR-Unbiased | 0.15 | 0.15 | 0 |
| 115 | 50 | LDR-Unbiased | 0.2 | 0.3 | 0.1 |
| 116 | 50 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 117 | 50 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.35 | 0.375 | 0.4 | 0.035355 | 0.35 | 0.375 | 0.4 | 0.035355 | 0 | 0 | 0 | 0 |
| 3 | 0.15 | 0.25 | 0.35 | 0.066667 | 0.15 | 0.25 | 0.4 | 0.088192 | -0.1 | 2.7756e-18 | 0.15 | 0.094281 |
| 10 | 0.15 | 0.25 | 0.35 | 0.066667 | 0.15 | 0.24 | 0.35 | 0.073786 | -0.15 | -0.01 | 0.15 | 0.10488 |
| 30 | 0.15 | 0.25 | 0.35 | 0.066667 | 0.15 | 0.285 | 0.45 | 0.11068 | -0.1 | 0.035 | 0.2 | 0.10554 |
| 50 | 0.15 | 0.25 | 0.35 | 0.066667 | 0.15 | 0.23 | 0.4 | 0.088819 | -0.2 | -0.02 | 0.1 | 0.094868 |
| 100 | 0.15 | 0.25625 | 0.35 | 0.06781 | 0.15 | 0.25625 | 0.4 | 0.09797 | -0.1 | 6.9389e-18 | 0.25 | 0.11952 |

# Device Test: 25.3 T_MIN_DOWN/DOWN/3.3/3/0/0/0/@TMIN_DOWN



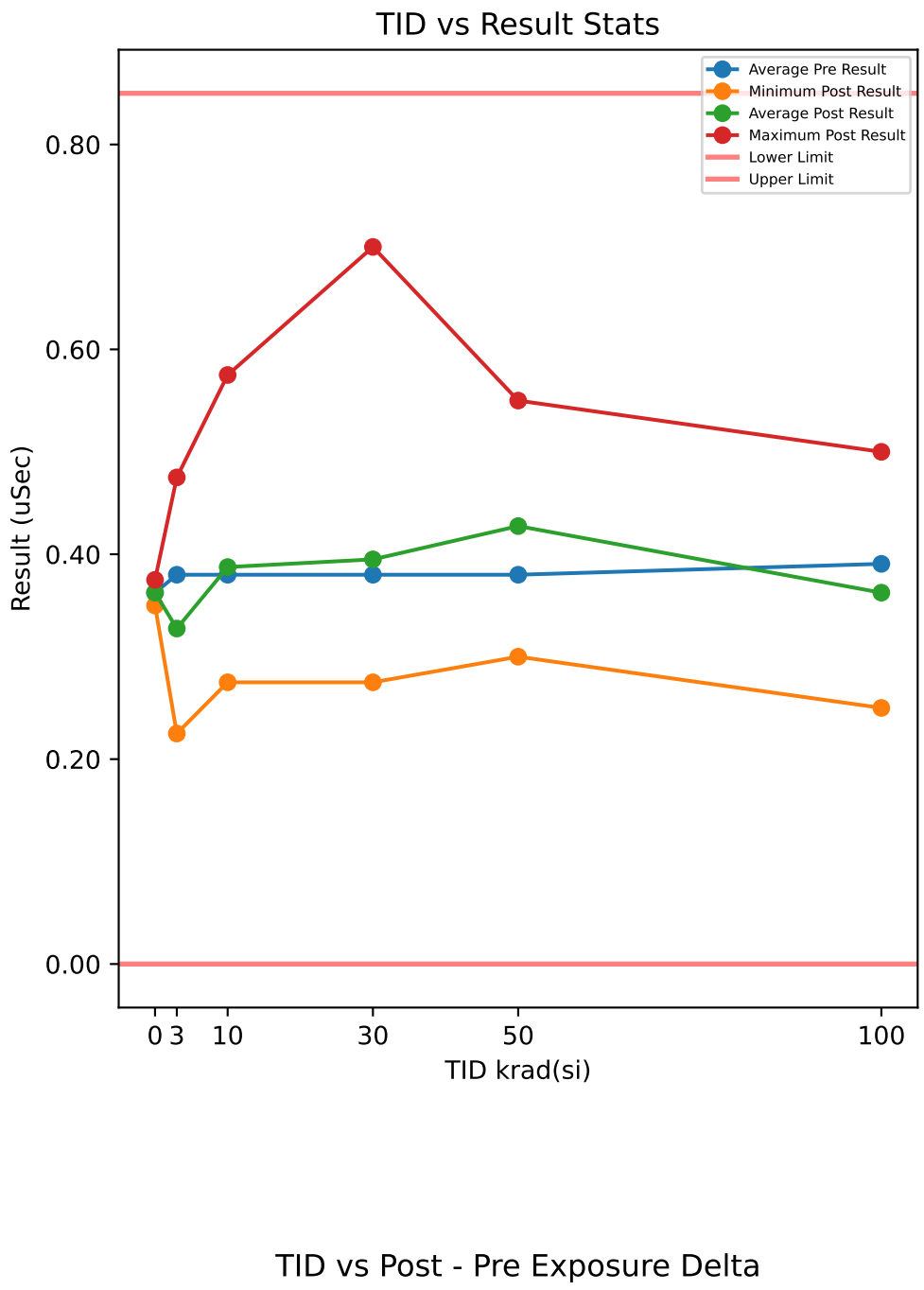

Test Results (Lower Limit = 0.0, Upper Limit = 0.85 (uSec))

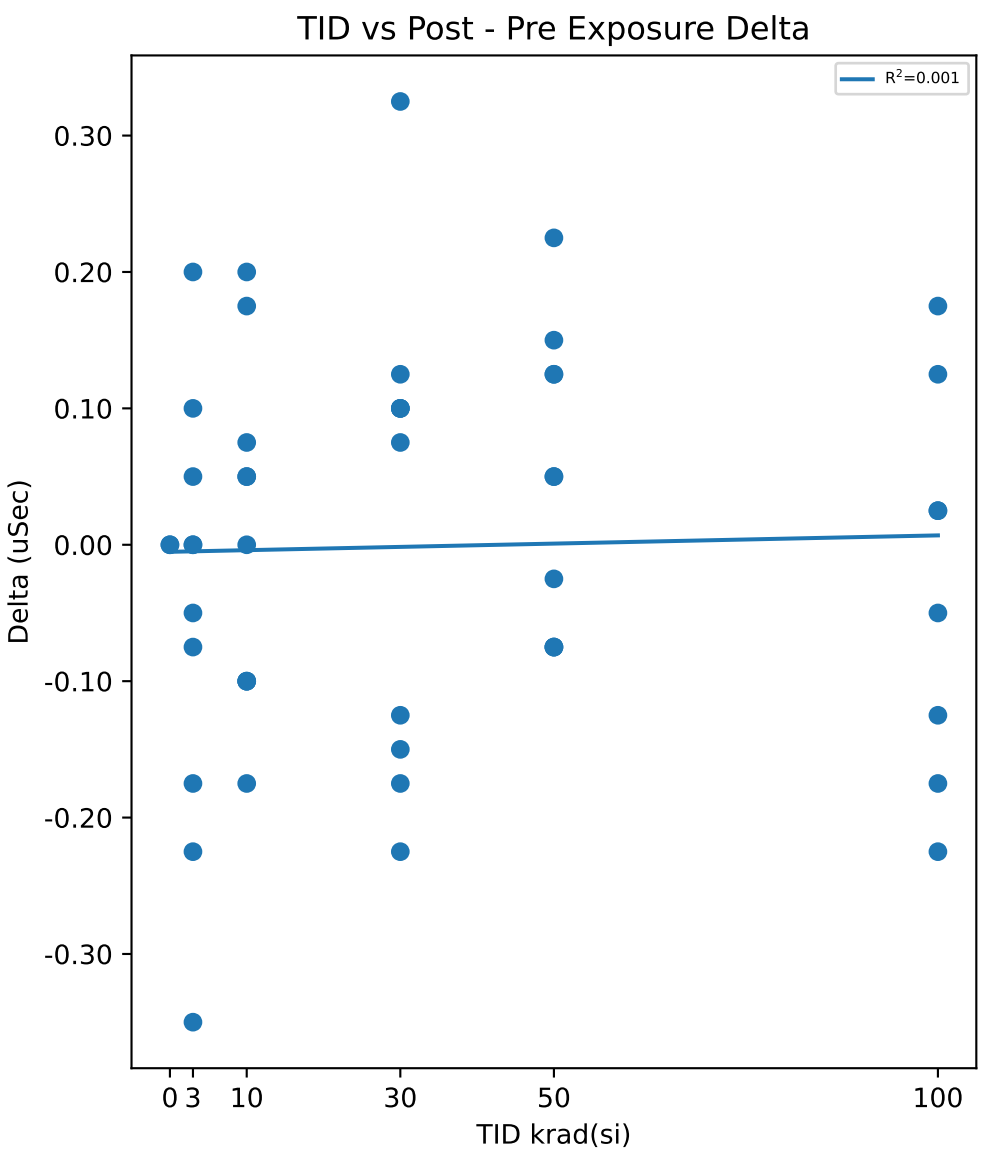
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.375 | 0.375 | 0 |
| 7 | 0 | Correlation | 0.4 | 0.4 | 0 |
| 16 | 3 | LDR-Biased | 0.275 | 0.275 | 0 |
| 18 | 3 | LDR-Biased | 0.475 | 0.3 | -0.175 |
| 19 | 3 | LDR-Biased | 0.3 | 0.3 | 0 |
| 20 | 3 | LDR-Biased | 0.325 | 0.4 | 0.075 |
| 21 | 3 | LDR-Biased | 0.375 | 0.35 | -0.025 |
| 22 | 3 | LDR-Unbiased | 0.25 | 0.35 | 0.1 |
| 23 | 3 | LDR-Unbiased | 0.45 | 0.275 | -0.175 |
| 25 | 3 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 26 | 3 | LDR-Unbiased | 0.35 | 0.375 | 0.025 |
| 27 | 3 | LDR-Unbiased | 0.425 | 0.375 | -0.05 |
| 46 | 10 | LDR-Biased | 0.275 | 0.425 | 0.15 |
| 48 | 10 | LDR-Biased | 0.475 | 0.275 | -0.2 |
| 49 | 10 | LDR-Biased | 0.3 | 0.225 | -0.075 |
| 50 | 10 | LDR-Biased | 0.325 | 0.25 | -0.075 |
| 51 | 10 | LDR-Biased | 0.375 | 0.225 | -0.15 |
| 52 | 10 | LDR-Unbiased | 0.25 | 0.325 | 0.075 |
| 53 | 10 | LDR-Unbiased | 0.45 | 0.225 | -0.225 |
| 55 | 10 | LDR-Unbiased | 0.3 | 0.325 | 0.025 |
| 56 | 10 | LDR-Unbiased | 0.35 | 0.425 | 0.075 |
| 57 | 10 | LDR-Unbiased | 0.425 | 0.275 | -0.15 |
| 76 | 30 | LDR-Biased | 0.275 | 0.375 | 0.1 |
| 78 | 30 | LDR-Biased | 0.475 | 0.3 | -0.175 |
| 79 | 30 | LDR-Biased | 0.3 | 0.275 | -0.025 |
| 80 | 30 | LDR-Biased | 0.325 | 0.325 | 0 |
| 81 | 30 | LDR-Biased | 0.375 | 0.475 | 0.1 |
| 82 | 30 | LDR-Unbiased | 0.25 | 0.275 | 0.025 |
| 83 | 30 | LDR-Unbiased | 0.45 | 0.325 | -0.125 |
| 84 | 30 | LDR-Unbiased | 0.425 | 0.4 | -0.025 |
| 85 | 30 | LDR-Unbiased | 0.3 | 0.275 | -0.025 |
| 86 | 30 | LDR-Unbiased | 0.35 | 0.475 | 0.125 |
| 87 | 100 | LDR-Biased | 0.375 | 0.325 | -0.05 |
| 88 | 100 | LDR-Biased | 0.5 | 0.45 | -0.05 |
| 90 | 100 | LDR-Biased | 0.25 | 0.375 | 0.125 |
| 91 | 100 | LDR-Unbiased | 0.425 | 0.3 | -0.125 |
| 93 | 100 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 94 | 100 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 95 | 100 | LDR-Unbiased | 0.325 | 0.225 | -0.1 |
| 96 | 100 | LDR-Unbiased | 0.3 | 0.375 | 0.075 |
| 106 | 50 | LDR-Biased | 0.275 | 0.475 | 0.2 |
| 108 | 50 | LDR-Biased | 0.475 | 0.35 | -0.125 |
| 109 | 50 | LDR-Biased | 0.3 | 0.425 | 0.125 |
| 110 | 50 | LDR-Biased | 0.325 | 0.325 | 0 |
| 111 | 50 | LDR-Biased | 0.375 | 0.325 | -0.05 |
| 112 | 50 | LDR-Unbiased | 0.25 | 0.575 | 0.325 |
| 113 | 50 | LDR-Unbiased | 0.45 | 0.45 | 0 |
| 115 | 50 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 116 | 50 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 117 | 50 | LDR-Unbiased | 0.425 | 0.45 | 0.025 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.375 | 0.3875 | 0.4 | 0.017678 | 0.375 | 0.3875 | 0.4 | 0.017678 | 0 | 0 | 0 | 0 |
| 3 | 0.25 | 0.3525 | 0.475 | 0.076784 | 0.275 | 0.34 | 0.4 | 0.048876 | -0.175 | -0.0125 | 0.1 | 0.099478 |
| 10 | 0.25 | 0.3525 | 0.475 | 0.076784 | 0.225 | 0.2975 | 0.425 | 0.076784 | -0.225 | -0.055 | 0.15 | 0.12953 |
| 30 | 0.25 | 0.3525 | 0.475 | 0.076784 | 0.275 | 0.35 | 0.475 | 0.078174 | -0.175 | -0.0025 | 0.125 | 0.096789 |
| 50 | 0.25 | 0.3525 | 0.475 | 0.076784 | 0.325 | 0.4175 | 0.575 | 0.076422 | -0.125 | 0.065 | 0.325 | 0.12921 |
| 100 | 0.25 | 0.34063 | 0.5 | 0.087564 | 0.225 | 0.34375 | 0.45 | 0.084251 | -0.125 | 0.003125 | 0.15 | 0.10302 |

# Device Test: 25.4 T_MIN_DOWN/DOWN/3.3/14/0/0/0/@TMIN_DOWN



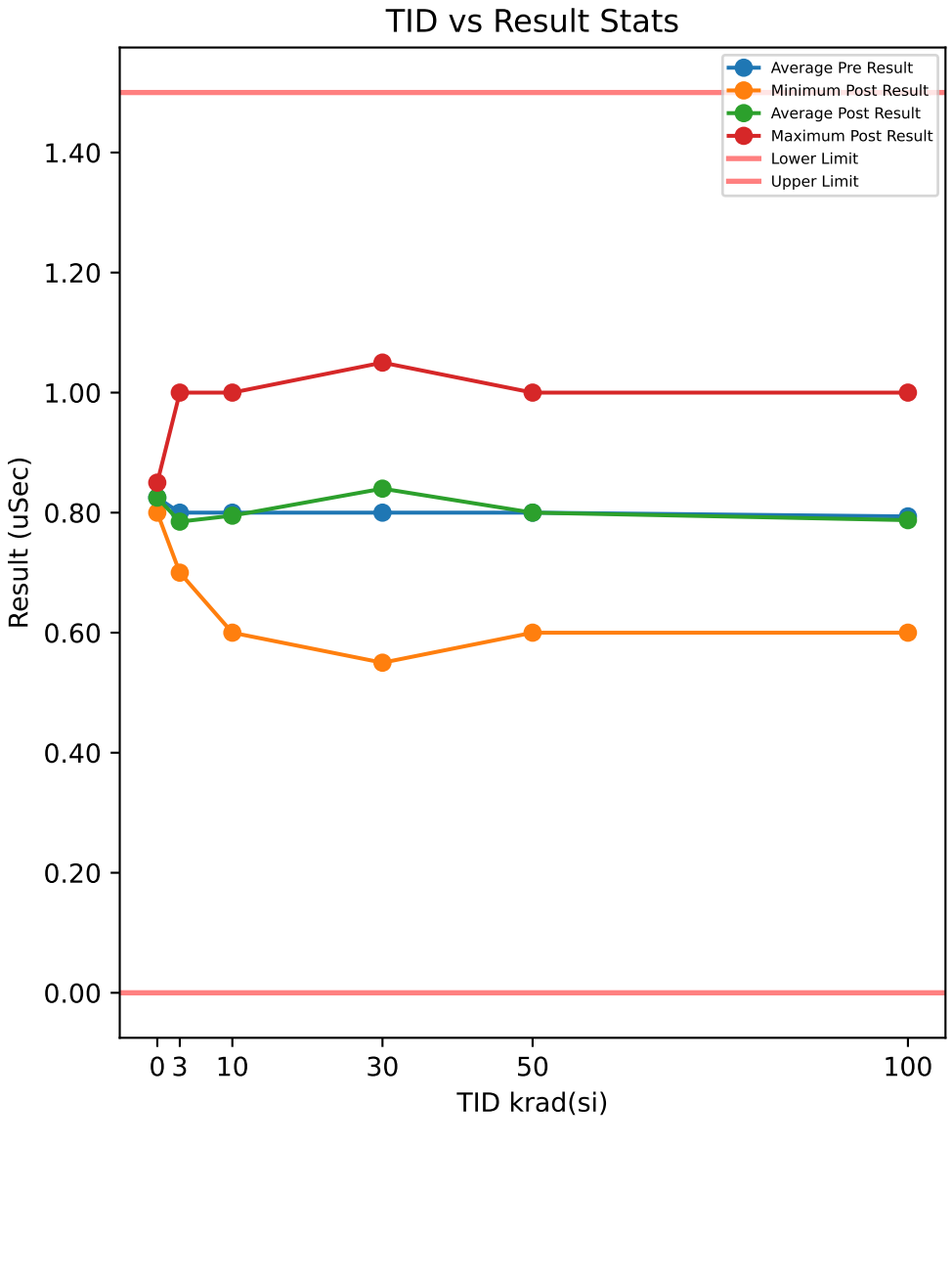

Test Results (Lower Limit = 0.0, Upper Limit = 0.85 (uSec))

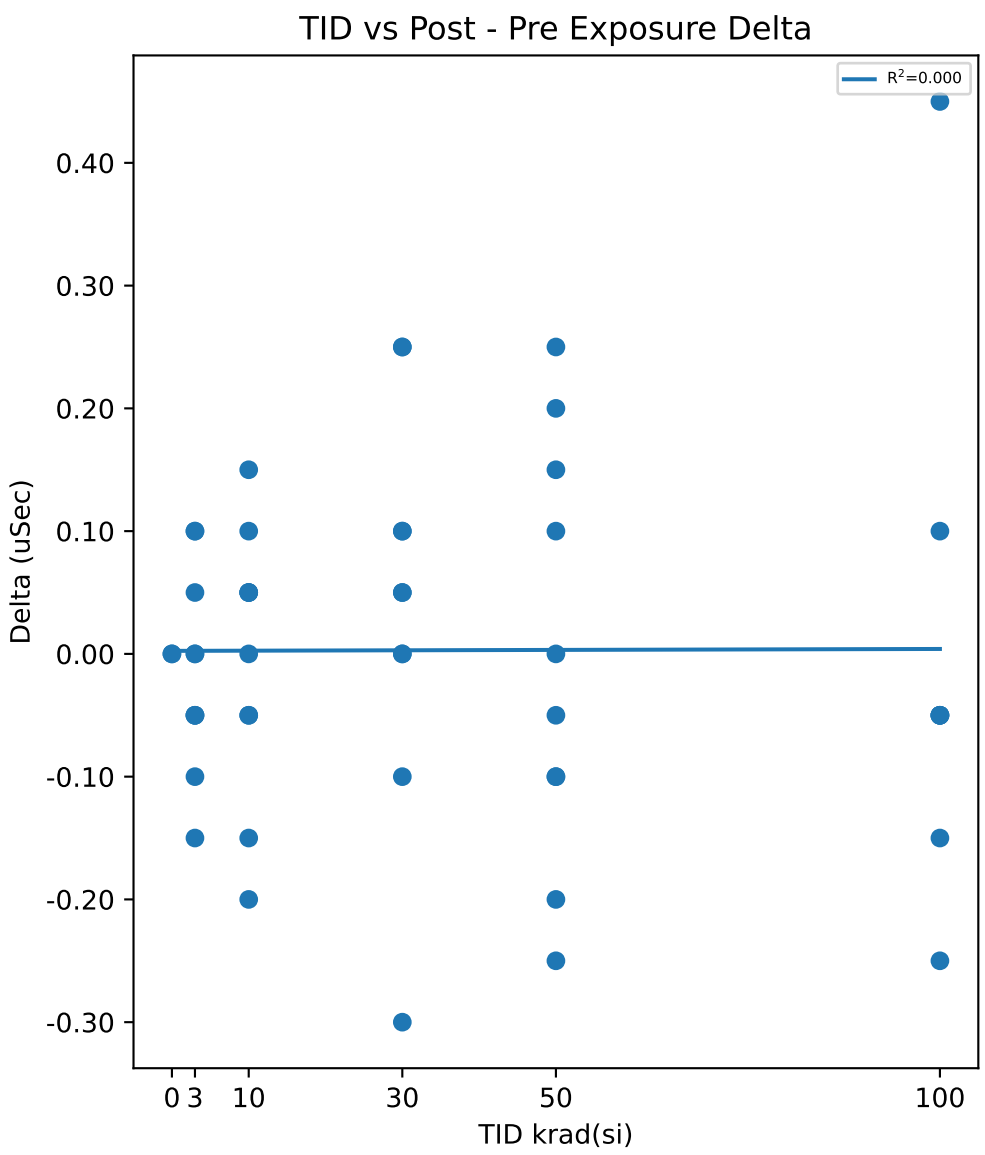
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.35 | 0.35 | 0 |
| 7 | 0 | Correlation | 0.375 | 0.375 | 0 |
| 16 | 3 | LDR-Biased | 0.4 | 0.4 | 0 |
| 18 | 3 | LDR-Biased | 0.375 | 0.475 | 0.1 |
| 19 | 3 | LDR-Biased | 0.325 | 0.275 | -0.05 |
| 20 | 3 | LDR-Biased | 0.25 | 0.25 | 0 |
| 21 | 3 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 22 | 3 | LDR-Unbiased | 0.425 | 0.25 | -0.175 |
| 23 | 3 | LDR-Unbiased | 0.45 | 0.225 | -0.225 |
| 25 | 3 | LDR-Unbiased | 0.275 | 0.475 | 0.2 |
| 26 | 3 | LDR-Unbiased | 0.375 | 0.3 | -0.075 |
| 27 | 3 | LDR-Unbiased | 0.625 | 0.275 | -0.35 |
| 46 | 10 | LDR-Biased | 0.4 | 0.575 | 0.175 |
| 48 | 10 | LDR-Biased | 0.375 | 0.275 | -0.1 |
| 49 | 10 | LDR-Biased | 0.325 | 0.4 | 0.075 |
| 50 | 10 | LDR-Biased | 0.25 | 0.45 | 0.2 |
| 51 | 10 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 52 | 10 | LDR-Unbiased | 0.425 | 0.325 | -0.1 |
| 53 | 10 | LDR-Unbiased | 0.45 | 0.35 | -0.1 |
| 55 | 10 | LDR-Unbiased | 0.275 | 0.325 | 0.05 |
| 56 | 10 | LDR-Unbiased | 0.375 | 0.375 | 0 |
| 57 | 10 | LDR-Unbiased | 0.625 | 0.45 | -0.175 |
| 76 | 30 | LDR-Biased | 0.4 | 0.275 | -0.125 |
| 78 | 30 | LDR-Biased | 0.375 | 0.7 | 0.325 |
| 79 | 30 | LDR-Biased | 0.325 | 0.425 | 0.1 |
| 80 | 30 | LDR-Biased | 0.25 | 0.35 | 0.1 |
| 81 | 30 | LDR-Biased | 0.3 | 0.375 | 0.075 |
| 82 | 30 | LDR-Unbiased | 0.425 | 0.275 | -0.15 |
| 83 | 30 | LDR-Unbiased | 0.45 | 0.275 | -0.175 |
| 84 | 30 | LDR-Unbiased | 0.625 | 0.4 | -0.225 |
| 85 | 30 | LDR-Unbiased | 0.275 | 0.4 | 0.125 |
| 86 | 30 | LDR-Unbiased | 0.375 | 0.475 | 0.1 |
| 87 | 100 | LDR-Biased | 0.325 | 0.5 | 0.175 |
| 88 | 100 | LDR-Biased | 0.3 | 0.325 | 0.025 |
| 90 | 100 | LDR-Biased | 0.475 | 0.25 | -0.225 |
| 91 | 100 | LDR-Unbiased | 0.55 | 0.375 | -0.175 |
| 93 | 100 | LDR-Unbiased | 0.275 | 0.3 | 0.025 |
| 94 | 100 | LDR-Unbiased | 0.425 | 0.3 | -0.125 |
| 95 | 100 | LDR-Unbiased | 0.45 | 0.4 | -0.05 |
| 96 | 100 | LDR-Unbiased | 0.325 | 0.45 | 0.125 |
| 106 | 50 | LDR-Biased | 0.4 | 0.325 | -0.075 |
| 108 | 50 | LDR-Biased | 0.375 | 0.425 | 0.05 |
| 109 | 50 | LDR-Biased | 0.325 | 0.45 | 0.125 |
| 110 | 50 | LDR-Biased | 0.25 | 0.375 | 0.125 |
| 111 | 50 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 112 | 50 | LDR-Unbiased | 0.425 | 0.475 | 0.05 |
| 113 | 50 | LDR-Unbiased | 0.45 | 0.425 | -0.025 |
| 115 | 50 | LDR-Unbiased | 0.275 | 0.5 | 0.225 |
| 116 | 50 | LDR-Unbiased | 0.375 | 0.3 | -0.075 |
| 117 | 50 | LDR-Unbiased | 0.625 | 0.55 | -0.075 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.35 | 0.3625 | 0.375 | 0.017678 | 0.35 | 0.3625 | 0.375 | 0.017678 | 0 | 0 | 0 | 0 |
| 3 | 0.25 | 0.38 | 0.625 | 0.10788 | 0.225 | 0.3275 | 0.475 | 0.093132 | -0.35 | -0.0525 | 0.2 | 0.16221 |
| 10 | 0.25 | 0.38 | 0.625 | 0.10788 | 0.275 | 0.3875 | 0.575 | 0.085999 | -0.175 | 0.0075 | 0.2 | 0.12531 |
| 30 | 0.25 | 0.38 | 0.625 | 0.10788 | 0.275 | 0.395 | 0.7 | 0.12737 | -0.225 | 0.015 | 0.325 | 0.17448 |
| 50 | 0.25 | 0.38 | 0.625 | 0.10788 | 0.3 | 0.4275 | 0.55 | 0.076784 | -0.075 | 0.0475 | 0.225 | 0.10766 |
| 100 | 0.275 | 0.39062 | 0.55 | 0.098141 | 0.25 | 0.3625 | 0.5 | 0.084515 | -0.225 | -0.028125 | 0.175 | 0.1417 |

# Device Test: 26.1 T_HOLD_RISE/SENSE1/3.3/3/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ



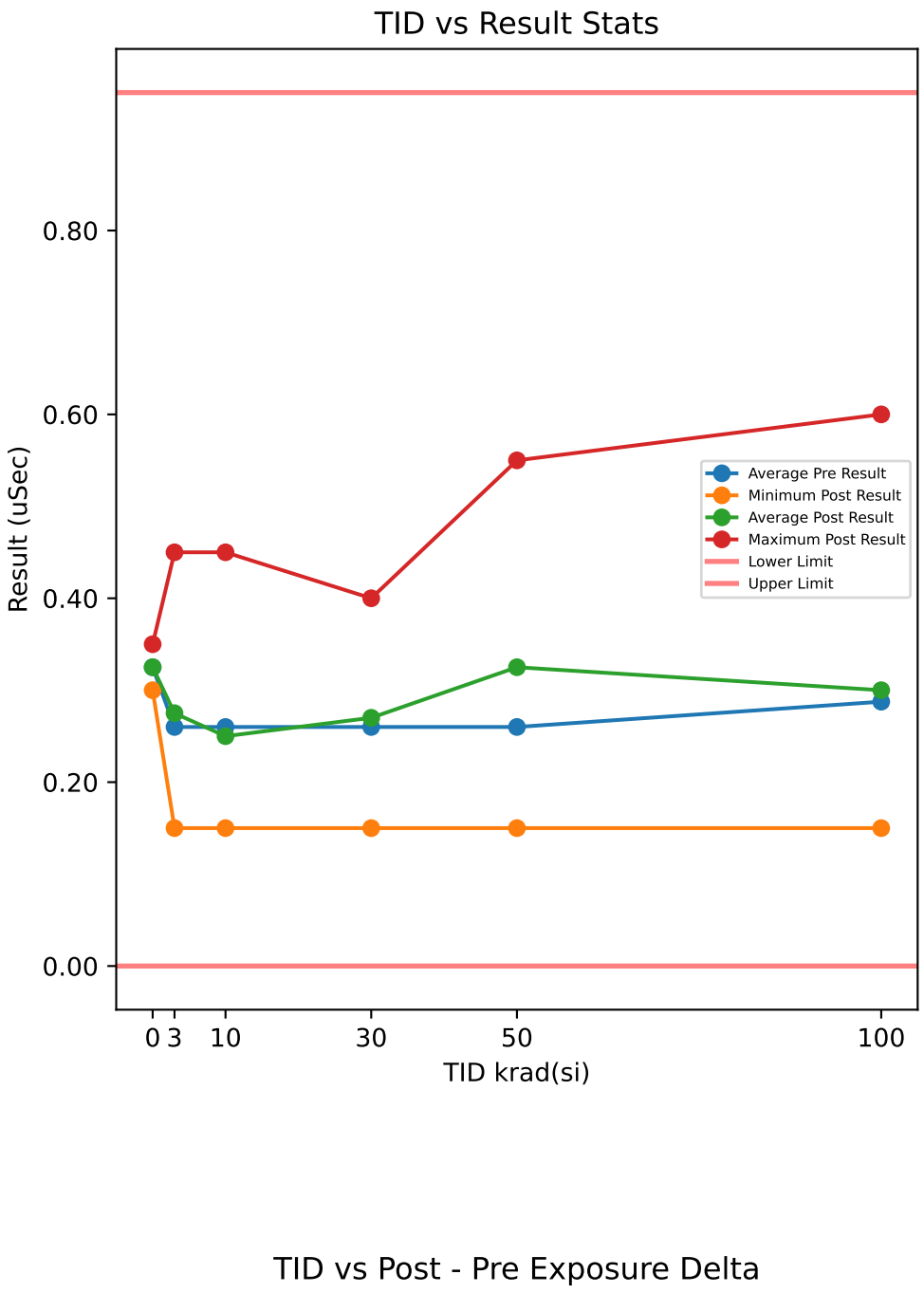

Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

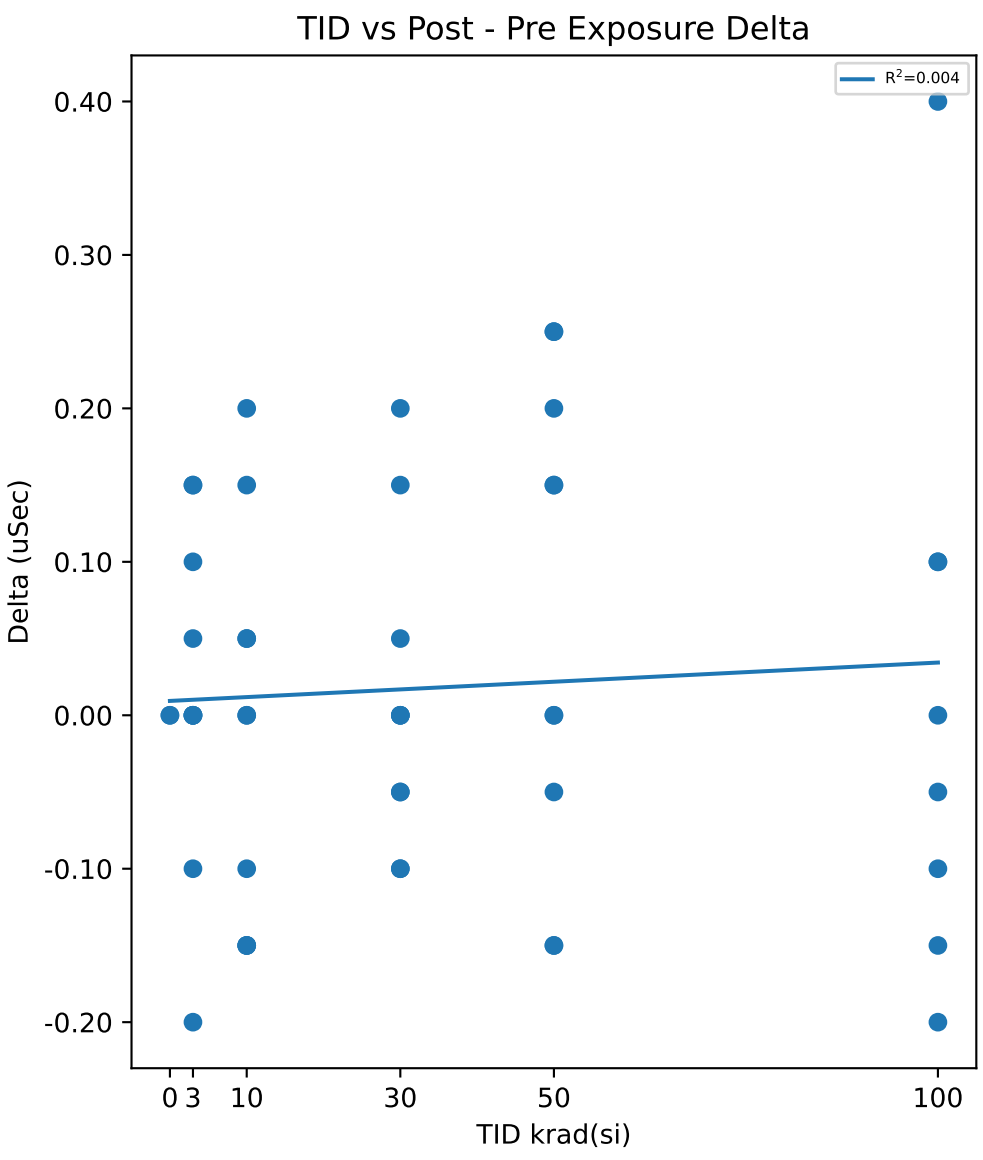
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.85 | 0.85 | 0 |
| 7 | 0 | Correlation | 0.8 | 0.8 | 0 |
| 16 | 3 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 18 | 3 | LDR-Biased | 0.75 | 0.7 | -0.05 |
| 19 | 3 | LDR-Biased | 0.85 | 0.7 | -0.15 |
| 20 | 3 | LDR-Biased | 0.8 | 0.7 | -0.1 |
| 21 | 3 | LDR-Biased | 0.7 | 0.8 | 0.1 |
| 22 | 3 | LDR-Unbiased | 0.8 | 0.75 | -0.05 |
| 23 | 3 | LDR-Unbiased | 0.95 | 1 | 0.05 |
| 25 | 3 | LDR-Unbiased | 0.8 | 0.8 | 0 |
| 26 | 3 | LDR-Unbiased | 0.75 | 0.7 | -0.05 |
| 27 | 3 | LDR-Unbiased | 0.8 | 0.8 | 0 |
| 46 | 10 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 48 | 10 | LDR-Biased | 0.75 | 0.9 | 0.15 |
| 49 | 10 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 50 | 10 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 51 | 10 | LDR-Biased | 0.7 | 0.8 | 0.1 |
| 52 | 10 | LDR-Unbiased | 0.8 | 0.8 | 0 |
| 53 | 10 | LDR-Unbiased | 0.95 | 1 | 0.05 |
| 55 | 10 | LDR-Unbiased | 0.8 | 0.6 | -0.2 |
| 56 | 10 | LDR-Unbiased | 0.75 | 0.7 | -0.05 |
| 57 | 10 | LDR-Unbiased | 0.8 | 0.65 | -0.15 |
| 76 | 30 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 78 | 30 | LDR-Biased | 0.75 | 0.8 | 0.05 |
| 79 | 30 | LDR-Biased | 0.85 | 0.55 | -0.3 |
| 80 | 30 | LDR-Biased | 0.8 | 1.05 | 0.25 |
| 81 | 30 | LDR-Biased | 0.7 | 0.7 | 0 |
| 82 | 30 | LDR-Unbiased | 0.8 | 0.85 | 0.05 |
| 83 | 30 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 84 | 30 | LDR-Unbiased | 0.8 | 1.05 | 0.25 |
| 85 | 30 | LDR-Unbiased | 0.8 | 0.8 | 0 |
| 86 | 30 | LDR-Unbiased | 0.75 | 0.85 | 0.1 |
| 87 | 100 | LDR-Biased | 0.85 | 0.6 | -0.25 |
| 88 | 100 | LDR-Biased | 0.7 | 0.65 | -0.05 |
| 90 | 100 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 91 | 100 | LDR-Unbiased | 0.9 | 0.85 | -0.05 |
| 93 | 100 | LDR-Unbiased | 1 | 0.85 | -0.15 |
| 94 | 100 | LDR-Unbiased | 0.7 | 0.65 | -0.05 |
| 95 | 100 | LDR-Unbiased | 0.55 | 1 | 0.45 |
| 96 | 100 | LDR-Unbiased | 0.85 | 0.95 | 0.1 |
| 106 | 50 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 108 | 50 | LDR-Biased | 0.75 | 0.85 | 0.1 |
| 109 | 50 | LDR-Biased | 0.85 | 0.75 | -0.1 |
| 110 | 50 | LDR-Biased | 0.8 | 0.8 | 0 |
| 111 | 50 | LDR-Biased | 0.7 | 0.85 | 0.15 |
| 112 | 50 | LDR-Unbiased | 0.8 | 0.7 | -0.1 |
| 113 | 50 | LDR-Unbiased | 0.95 | 0.7 | -0.25 |
| 115 | 50 | LDR-Unbiased | 0.8 | 0.6 | -0.2 |
| 116 | 50 | LDR-Unbiased | 0.75 | 1 | 0.25 |
| 117 | 50 | LDR-Unbiased | 0.8 | 1 | 0.2 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.8 | 0.825 | 0.85 | 0.035355 | 0.8 | 0.825 | 0.85 | 0.035355 | 0 | 0 | 0 | 0 |
| 3 | 0.7 | 0.8 | 0.95 | 0.066667 | 0.7 | 0.785 | 1 | 0.10014 | -0.15 | -0.015 | 0.1 | 0.08182 |
| 10 | 0.7 | 0.8 | 0.95 | 0.066667 | 0.6 | 0.795 | 1 | 0.12349 | -0.2 | -0.005 | 0.15 | 0.10916 |
| 30 | 0.7 | 0.8 | 0.95 | 0.066667 | 0.55 | 0.84 | 1.05 | 0.1487 | -0.3 | 0.04 | 0.25 | 0.16125 |
| 50 | 0.7 | 0.8 | 0.95 | 0.066667 | 0.6 | 0.8 | 1 | 0.1291 | -0.25 | -2.2204e-17 | 0.25 | 0.16997 |
| 100 | 0.55 | 0.79375 | 1 | 0.13999 | 0.6 | 0.7875 | 1 | 0.1482 | -0.25 | -0.00625 | 0.45 | 0.20948 |

# Device Test: 26.10 T_HOLD_FALL/SENSE2/3.3/3/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



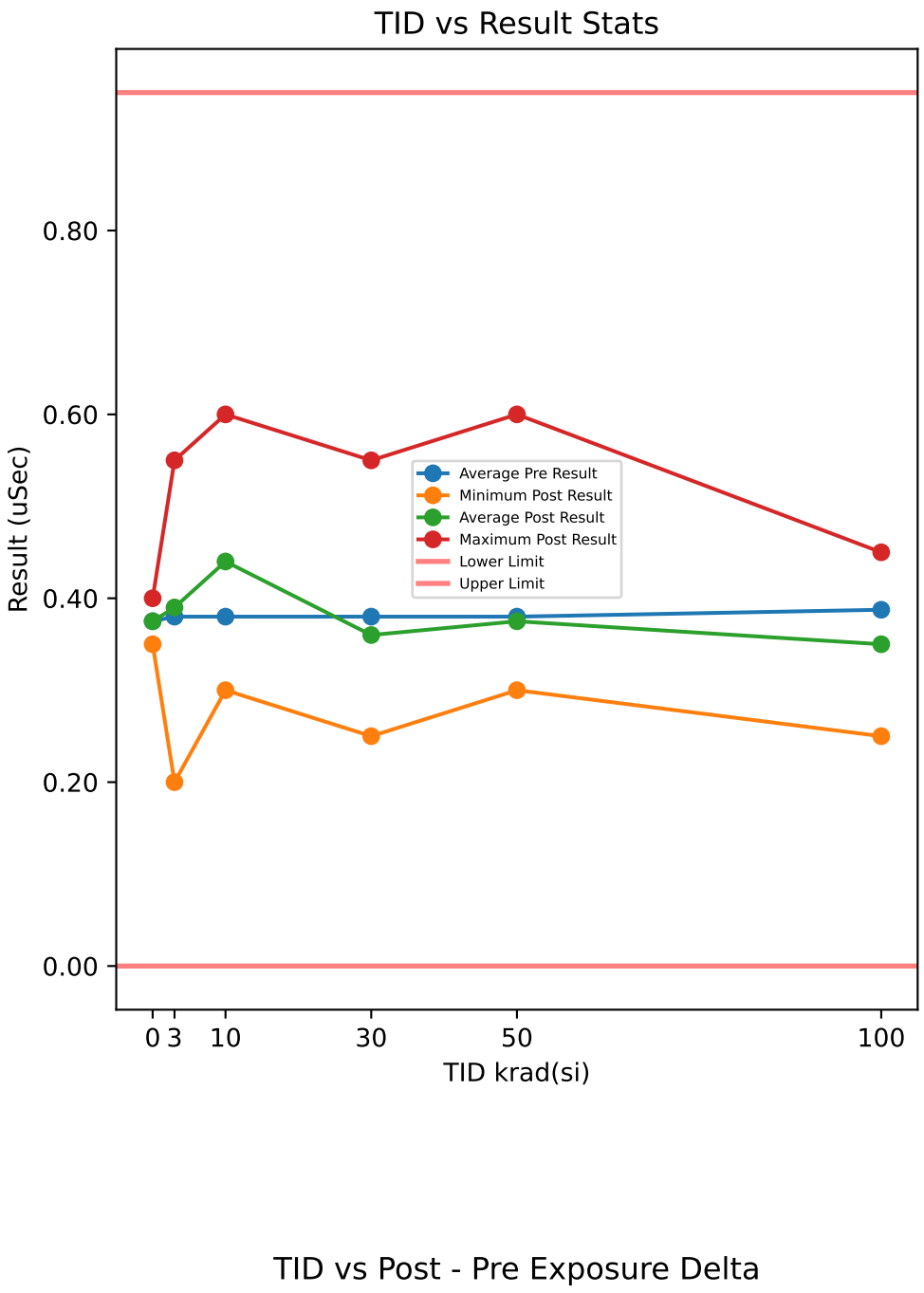

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.3 | 0.3 | 0 |
| 7 | 0 | Correlation | 0.35 | 0.35 | 0 |
| 16 | 3 | LDR-Biased | 0.25 | 0.25 | 0 |
| 18 | 3 | LDR-Biased | 0.25 | 0.35 | 0.1 |
| 19 | 3 | LDR-Biased | 0.3 | 0.3 | 0 |
| 20 | 3 | LDR-Biased | 0.3 | 0.2 | -0.1 |
| 21 | 3 | LDR-Biased | 0.35 | 0.15 | -0.2 |
| 22 | 3 | LDR-Unbiased | 0.15 | 0.2 | 0.05 |
| 23 | 3 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 25 | 3 | LDR-Unbiased | 0.15 | 0.3 | 0.15 |
| 26 | 3 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 27 | 3 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 46 | 10 | LDR-Biased | 0.25 | 0.45 | 0.2 |
| 48 | 10 | LDR-Biased | 0.25 | 0.25 | 0 |
| 49 | 10 | LDR-Biased | 0.3 | 0.15 | -0.15 |
| 50 | 10 | LDR-Biased | 0.3 | 0.15 | -0.15 |
| 51 | 10 | LDR-Biased | 0.35 | 0.2 | -0.15 |
| 52 | 10 | LDR-Unbiased | 0.15 | 0.2 | 0.05 |
| 53 | 10 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 55 | 10 | LDR-Unbiased | 0.15 | 0.2 | 0.05 |
| 56 | 10 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 57 | 10 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 76 | 30 | LDR-Biased | 0.25 | 0.15 | -0.1 |
| 78 | 30 | LDR-Biased | 0.25 | 0.25 | 0 |
| 79 | 30 | LDR-Biased | 0.3 | 0.25 | -0.05 |
| 80 | 30 | LDR-Biased | 0.3 | 0.3 | 0 |
| 81 | 30 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 82 | 30 | LDR-Unbiased | 0.15 | 0.35 | 0.2 |
| 83 | 30 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 84 | 30 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 85 | 30 | LDR-Unbiased | 0.15 | 0.15 | 0 |
| 86 | 30 | LDR-Unbiased | 0.25 | 0.4 | 0.15 |
| 87 | 100 | LDR-Biased | 0.3 | 0.3 | 0 |
| 88 | 100 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 90 | 100 | LDR-Biased | 0.25 | 0.15 | -0.1 |
| 91 | 100 | LDR-Unbiased | 0.2 | 0.15 | -0.05 |
| 93 | 100 | LDR-Unbiased | 0.45 | 0.25 | -0.2 |
| 94 | 100 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 95 | 100 | LDR-Unbiased | 0.2 | 0.6 | 0.4 |
| 96 | 100 | LDR-Unbiased | 0.4 | 0.25 | -0.15 |
| 106 | 50 | LDR-Biased | 0.25 | 0.4 | 0.15 |
| 108 | 50 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 109 | 50 | LDR-Biased | 0.3 | 0.3 | 0 |
| 110 | 50 | LDR-Biased | 0.3 | 0.15 | -0.15 |
| 111 | 50 | LDR-Biased | 0.35 | 0.35 | 0 |
| 112 | 50 | LDR-Unbiased | 0.15 | 0.3 | 0.15 |
| 113 | 50 | LDR-Unbiased | 0.3 | 0.55 | 0.25 |
| 115 | 50 | LDR-Unbiased | 0.15 | 0.4 | 0.25 |
| 116 | 50 | LDR-Unbiased | 0.25 | 0.45 | 0.2 |
| 117 | 50 | LDR-Unbiased | 0.3 | 0.15 | -0.15 |

Test Statistics (uSec)

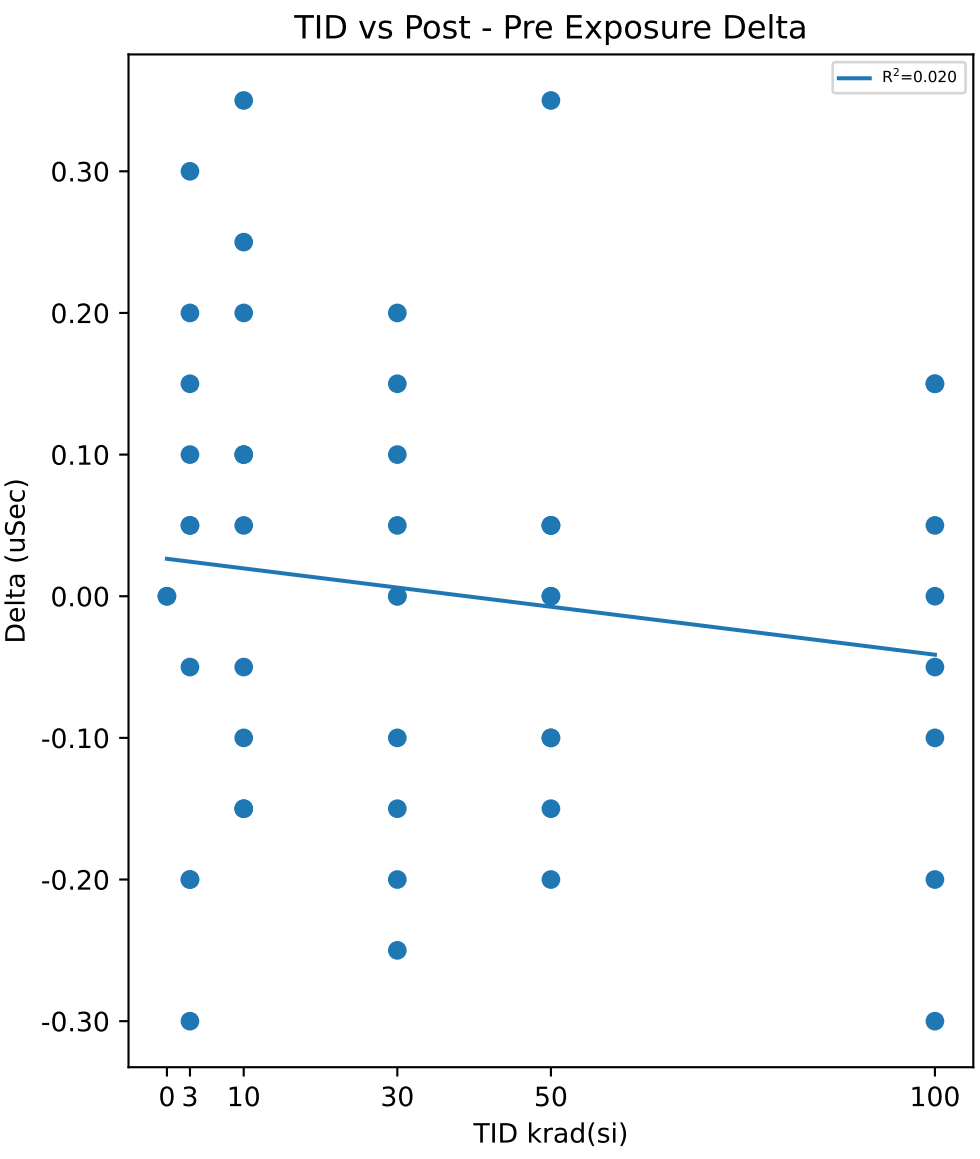
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.3 | 0.325 | 0.35 | 0.035355 | 0.3 | 0.325 | 0.35 | 0.035355 | 0 | 0 | 0 | 0 |
| 3 | 0.15 | 0.26 | 0.35 | 0.065828 | 0.15 | 0.275 | 0.45 | 0.085797 | -0.2 | 0.015 | 0.15 | 0.10814 |
| 10 | 0.15 | 0.26 | 0.35 | 0.065828 | 0.15 | 0.25 | 0.45 | 0.11055 | -0.15 | -0.01 | 0.2 | 0.12649 |
| 30 | 0.15 | 0.26 | 0.35 | 0.065828 | 0.15 | 0.27 | 0.4 | 0.085635 | -0.1 | 0.01 | 0.2 | 0.099443 |
| 50 | 0.15 | 0.26 | 0.35 | 0.065828 | 0.15 | 0.325 | 0.55 | 0.13176 | -0.15 | 0.065 | 0.25 | 0.15465 |
| 100 | 0.2 | 0.2875 | 0.45 | 0.095431 | 0.15 | 0.3 | 0.6 | 0.14639 | -0.2 | 0.0125 | 0.4 | 0.19039 |

# Device Test: 26.11 T_HOLD_FALL/SENSE3/3.3/3/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ




Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

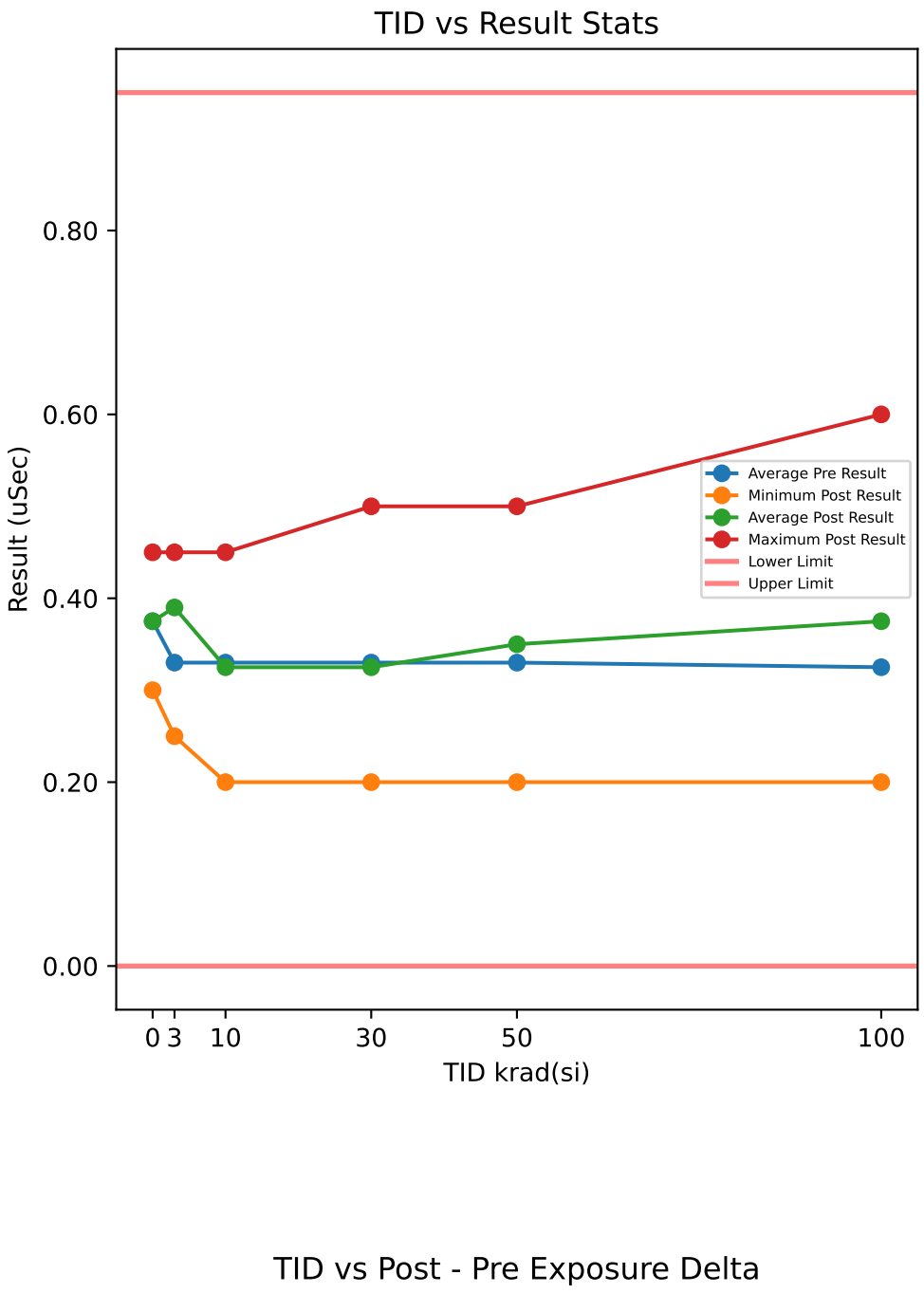
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.4 | 0.4 | 0 |
| 7 | 0 | Correlation | 0.35 | 0.35 | 0 |
| 16 | 3 | LDR-Biased | 0.35 | 0.55 | 0.2 |
| 18 | 3 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 19 | 3 | LDR-Biased | 0.25 | 0.35 | 0.1 |
| 20 | 3 | LDR-Biased | 0.35 | 0.4 | 0.05 |
| 21 | 3 | LDR-Biased | 0.45 | 0.25 | -0.2 |
| 22 | 3 | LDR-Unbiased | 0.5 | 0.2 | -0.3 |
| 23 | 3 | LDR-Unbiased | 0.5 | 0.3 | -0.2 |
| 25 | 3 | LDR-Unbiased | 0.25 | 0.55 | 0.3 |
| 26 | 3 | LDR-Unbiased | 0.35 | 0.5 | 0.15 |
| 27 | 3 | LDR-Unbiased | 0.55 | 0.5 | -0.05 |
| 46 | 10 | LDR-Biased | 0.35 | 0.6 | 0.25 |
| 48 | 10 | LDR-Biased | 0.25 | 0.45 | 0.2 |
| 49 | 10 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 50 | 10 | LDR-Biased | 0.35 | 0.45 | 0.1 |
| 51 | 10 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 52 | 10 | LDR-Unbiased | 0.5 | 0.4 | -0.1 |
| 53 | 10 | LDR-Unbiased | 0.5 | 0.45 | -0.05 |
| 55 | 10 | LDR-Unbiased | 0.25 | 0.6 | 0.35 |
| 56 | 10 | LDR-Unbiased | 0.35 | 0.45 | 0.1 |
| 57 | 10 | LDR-Unbiased | 0.55 | 0.4 | -0.15 |
| 76 | 30 | LDR-Biased | 0.35 | 0.55 | 0.2 |
| 78 | 30 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 79 | 30 | LDR-Biased | 0.25 | 0.35 | 0.1 |
| 80 | 30 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 81 | 30 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 82 | 30 | LDR-Unbiased | 0.5 | 0.5 | 0 |
| 83 | 30 | LDR-Unbiased | 0.5 | 0.25 | -0.25 |
| 84 | 30 | LDR-Unbiased | 0.55 | 0.35 | -0.2 |
| 85 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 86 | 30 | LDR-Unbiased | 0.35 | 0.5 | 0.15 |
| 87 | 100 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 88 | 100 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 90 | 100 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 91 | 100 | LDR-Unbiased | 0.6 | 0.3 | -0.3 |
| 93 | 100 | LDR-Unbiased | 0.4 | 0.4 | 0 |
| 94 | 100 | LDR-Unbiased | 0.35 | 0.25 | -0.1 |
| 95 | 100 | LDR-Unbiased | 0.45 | 0.25 | -0.2 |
| 96 | 100 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 106 | 50 | LDR-Biased | 0.35 | 0.35 | 0 |
| 108 | 50 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 109 | 50 | LDR-Biased | 0.25 | 0.6 | 0.35 |
| 110 | 50 | LDR-Biased | 0.35 | 0.35 | 0 |
| 111 | 50 | LDR-Biased | 0.45 | 0.35 | -0.1 |
| 112 | 50 | LDR-Unbiased | 0.5 | 0.35 | -0.15 |
| 113 | 50 | LDR-Unbiased | 0.5 | 0.3 | -0.2 |
| 115 | 50 | LDR-Unbiased | 0.25 | 0.3 | 0.05 |
| 116 | 50 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 117 | 50 | LDR-Unbiased | 0.55 | 0.45 | -0.1 |

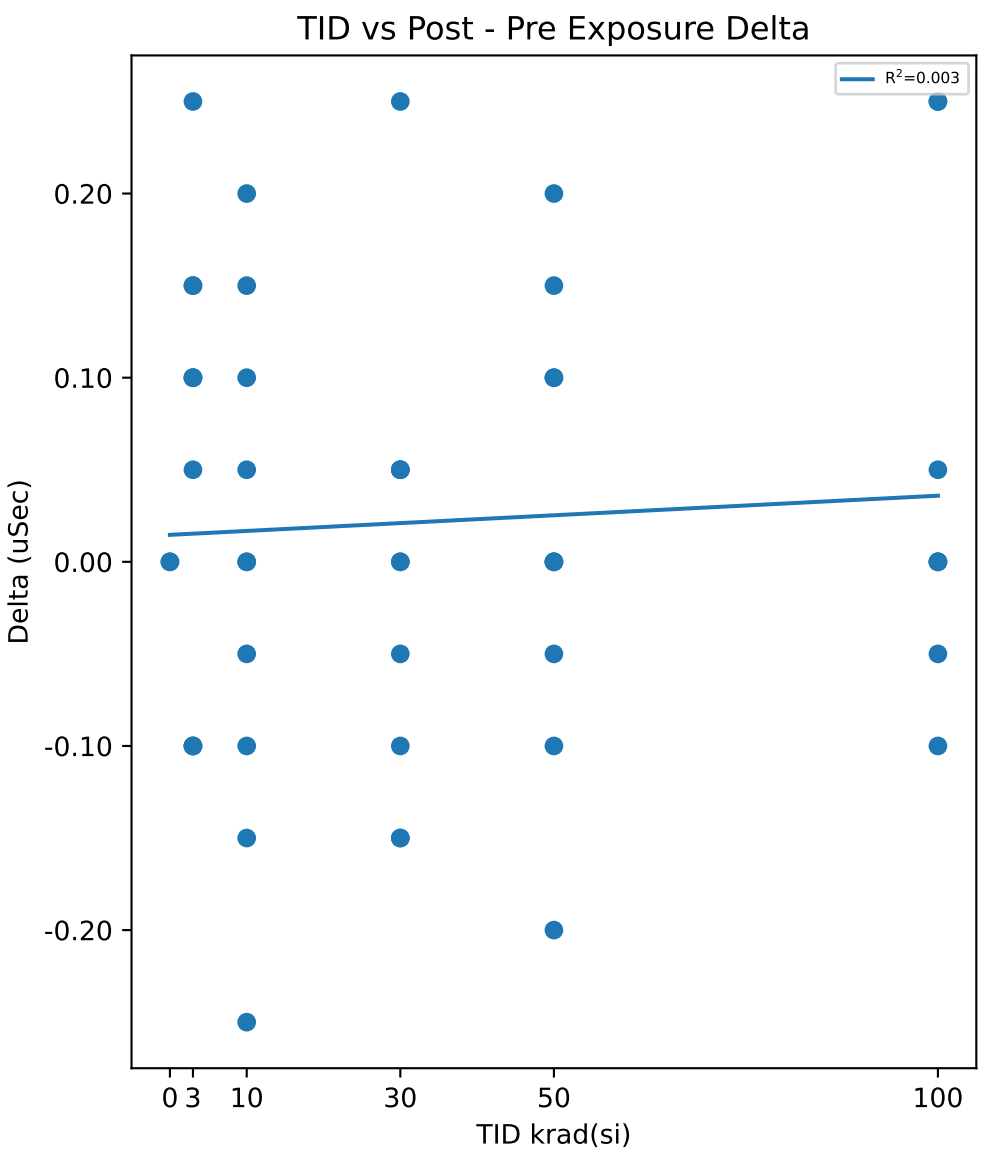



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.35 | 0.375 | 0.4 | 0.035355 | 0.35 | 0.375 | 0.4 | 0.035355 | 0 | 0 | 0 | 0 |
| 3 | 0.25 | 0.38 | 0.55 | 0.11353 | 0.2 | 0.39 | 0.55 | 0.12867 | -0.3 | 0.01 | 0.3 | 0.19408 |
| 10 | 0.25 | 0.38 | 0.55 | 0.11353 | 0.3 | 0.44 | 0.6 | 0.1022 | -0.15 | 0.06 | 0.35 | 0.17288 |
| 30 | 0.25 | 0.38 | 0.55 | 0.11353 | 0.25 | 0.36 | 0.55 | 0.11499 | -0.25 | -0.02 | 0.2 | 0.15129 |
| 50 | 0.25 | 0.38 | 0.55 | 0.11353 | 0.3 | 0.375 | 0.6 | 0.092045 | -0.2 | -0.005 | 0.35 | 0.15357 |
| 100 | 0.3 | 0.3875 | 0.6 | 0.099103 | 0.25 | 0.35 | 0.45 | 0.084515 | -0.3 | -0.0375 | 0.15 | 0.1598 |

# Device Test: 26.12 T_HOLD_FALL/SENSE4/3.3/3/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



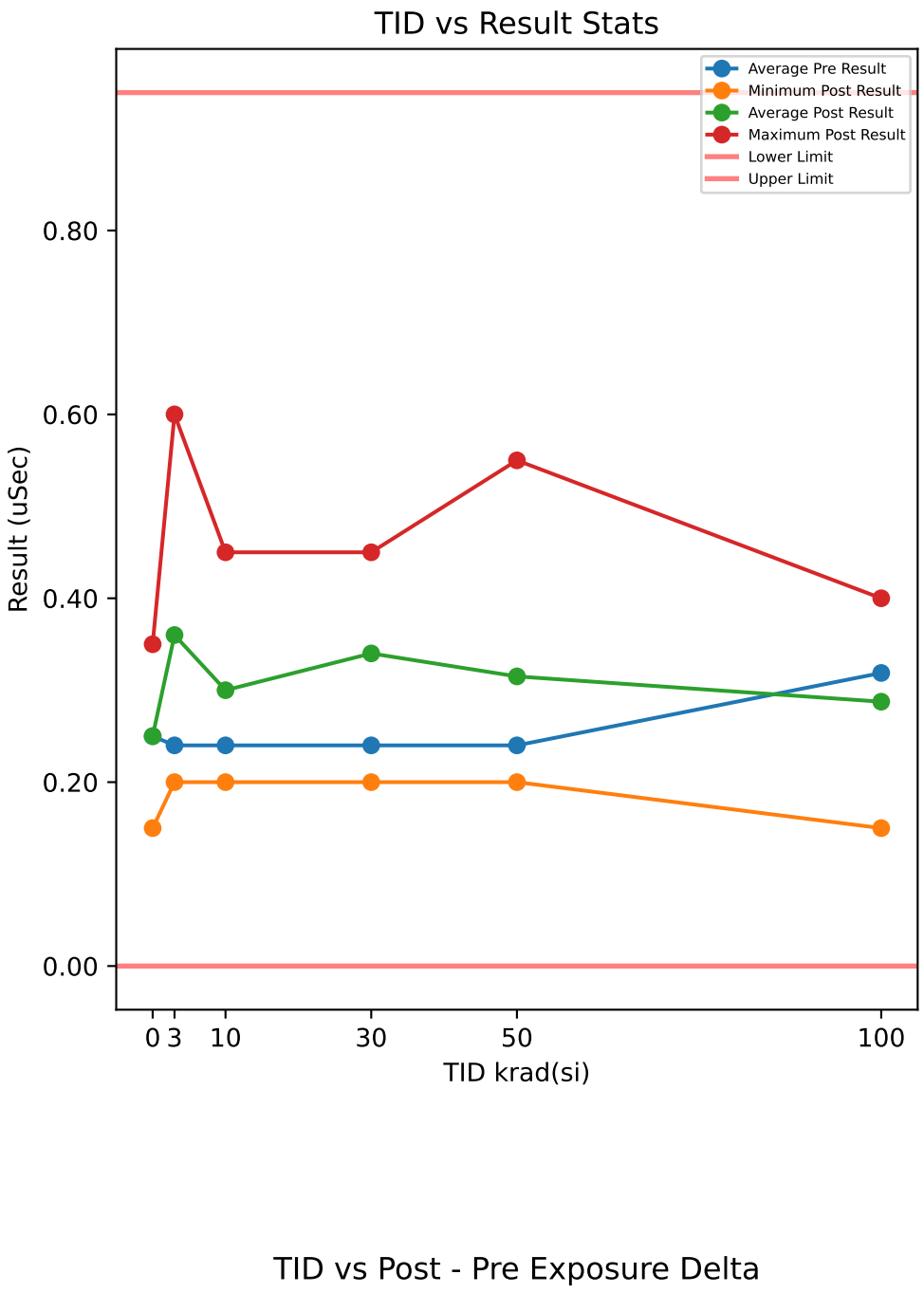

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

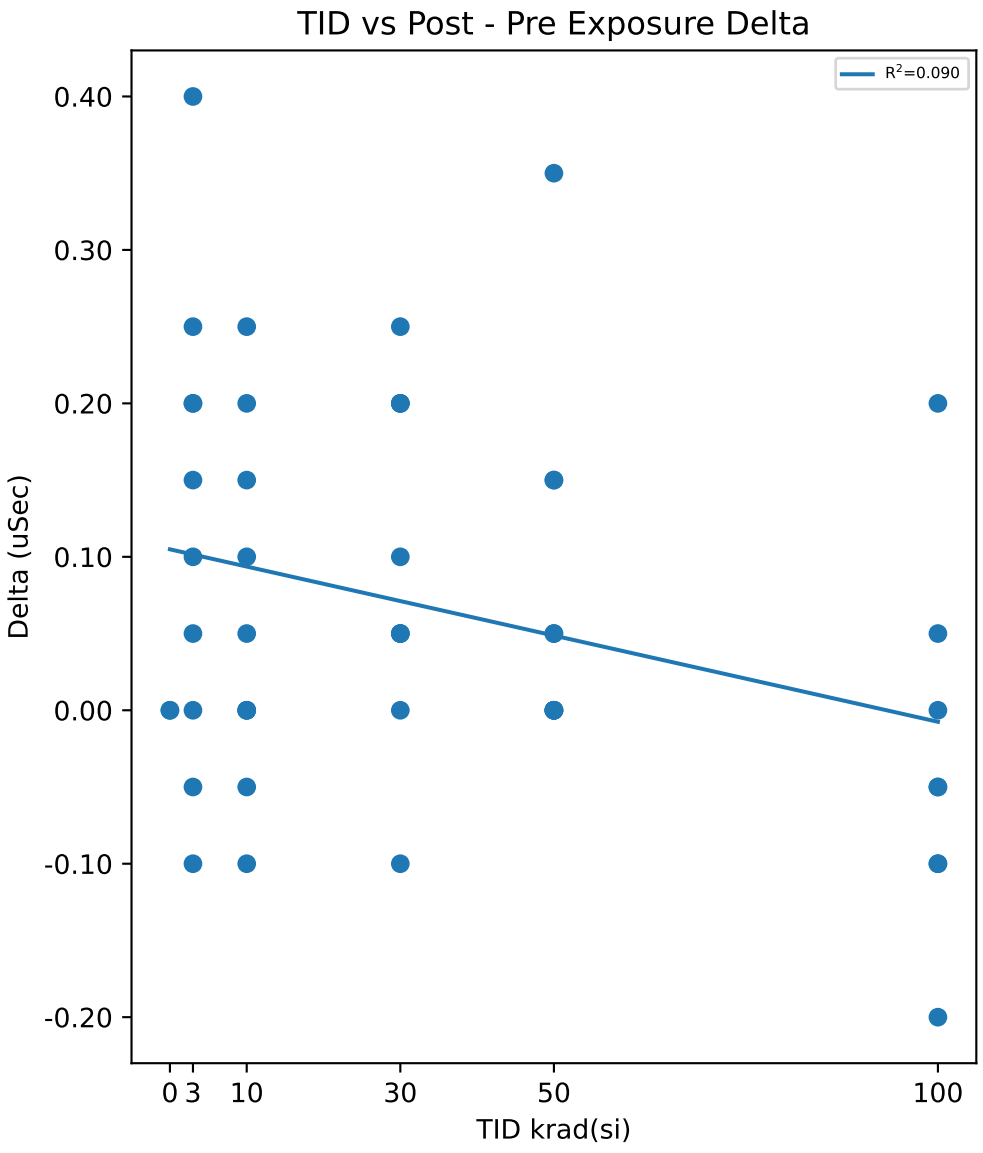
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.45 | 0.45 | 0 |
| 7 | 0 | Correlation | 0.3 | 0.3 | 0 |
| 16 | 3 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 18 | 3 | LDR-Biased | 0.55 | 0.45 | -0.1 |
| 19 | 3 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 20 | 3 | LDR-Biased | 0.3 | 0.4 | 0.1 |
| 21 | 3 | LDR-Biased | 0.3 | 0.4 | 0.1 |
| 22 | 3 | LDR-Unbiased | 0.2 | 0.45 | 0.25 |
| 23 | 3 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 25 | 3 | LDR-Unbiased | 0.25 | 0.4 | 0.15 |
| 26 | 3 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 27 | 3 | LDR-Unbiased | 0.5 | 0.4 | -0.1 |
| 46 | 10 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 48 | 10 | LDR-Biased | 0.55 | 0.4 | -0.15 |
| 49 | 10 | LDR-Biased | 0.2 | 0.4 | 0.2 |
| 50 | 10 | LDR-Biased | 0.3 | 0.3 | 0 |
| 51 | 10 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 52 | 10 | LDR-Unbiased | 0.2 | 0.2 | 0 |
| 53 | 10 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 55 | 10 | LDR-Unbiased | 0.25 | 0.3 | 0.05 |
| 56 | 10 | LDR-Unbiased | 0.35 | 0.25 | -0.1 |
| 57 | 10 | LDR-Unbiased | 0.5 | 0.25 | -0.25 |
| 76 | 30 | LDR-Biased | 0.35 | 0.2 | -0.15 |
| 78 | 30 | LDR-Biased | 0.55 | 0.45 | -0.1 |
| 79 | 30 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 80 | 30 | LDR-Biased | 0.3 | 0.3 | 0 |
| 81 | 30 | LDR-Biased | 0.3 | 0.25 | -0.05 |
| 82 | 30 | LDR-Unbiased | 0.2 | 0.25 | 0.05 |
| 83 | 30 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 84 | 30 | LDR-Unbiased | 0.5 | 0.35 | -0.15 |
| 85 | 30 | LDR-Unbiased | 0.25 | 0.5 | 0.25 |
| 86 | 30 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 87 | 100 | LDR-Biased | 0.35 | 0.6 | 0.25 |
| 88 | 100 | LDR-Biased | 0.35 | 0.35 | 0 |
| 90 | 100 | LDR-Biased | 0.4 | 0.4 | 0 |
| 91 | 100 | LDR-Unbiased | 0.2 | 0.2 | 0 |
| 93 | 100 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 94 | 100 | LDR-Unbiased | 0.3 | 0.55 | 0.25 |
| 95 | 100 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 96 | 100 | LDR-Unbiased | 0.4 | 0.3 | -0.1 |
| 106 | 50 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 108 | 50 | LDR-Biased | 0.55 | 0.5 | -0.05 |
| 109 | 50 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 110 | 50 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 111 | 50 | LDR-Biased | 0.3 | 0.5 | 0.2 |
| 112 | 50 | LDR-Unbiased | 0.2 | 0.2 | 0 |
| 113 | 50 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 115 | 50 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 116 | 50 | LDR-Unbiased | 0.35 | 0.35 | 0 |
| 117 | 50 | LDR-Unbiased | 0.5 | 0.3 | -0.2 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.3 | 0.375 | 0.45 | 0.10607 | 0.3 | 0.375 | 0.45 | 0.10607 | 0 | 0 | 0 | 0 |
| 3 | 0.2 | 0.33 | 0.55 | 0.11595 | 0.25 | 0.39 | 0.45 | 0.065828 | -0.1 | 0.06 | 0.25 | 0.12202 |
| 10 | 0.2 | 0.33 | 0.55 | 0.11595 | 0.2 | 0.325 | 0.45 | 0.082496 | -0.25 | -0.005 | 0.2 | 0.13834 |
| 30 | 0.2 | 0.33 | 0.55 | 0.11595 | 0.2 | 0.325 | 0.5 | 0.097895 | -0.15 | -0.005 | 0.25 | 0.11891 |
| 50 | 0.2 | 0.33 | 0.55 | 0.11595 | 0.2 | 0.35 | 0.5 | 0.10801 | -0.2 | 0.02 | 0.2 | 0.12065 |
| 100 | 0.2 | 0.325 | 0.4 | 0.065465 | 0.2 | 0.375 | 0.6 | 0.13887 | -0.1 | 0.05 | 0.25 | 0.13093 |

# Device Test: 26.13 T_HOLD_FALL/SENSE1/3.3/14/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



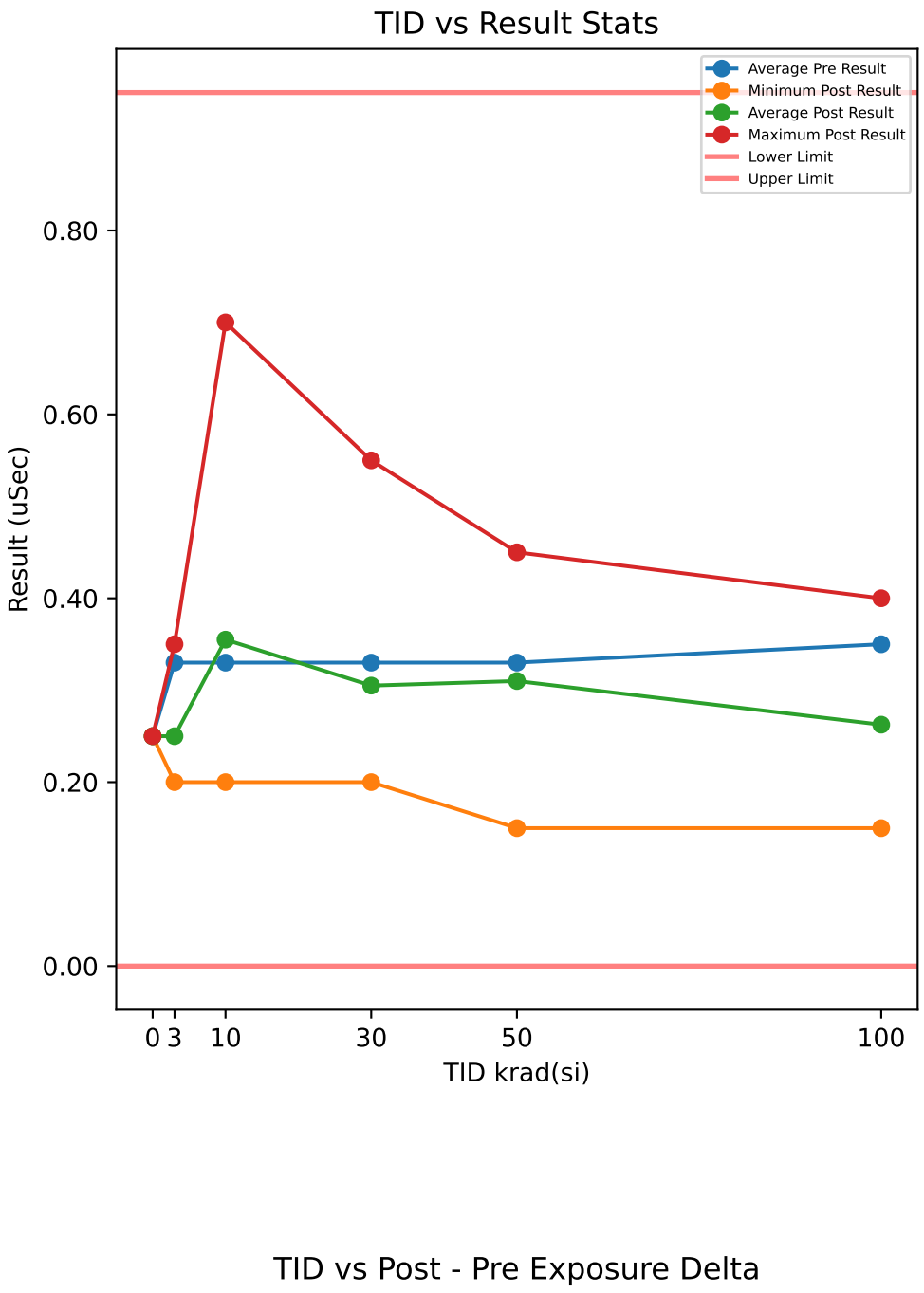

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

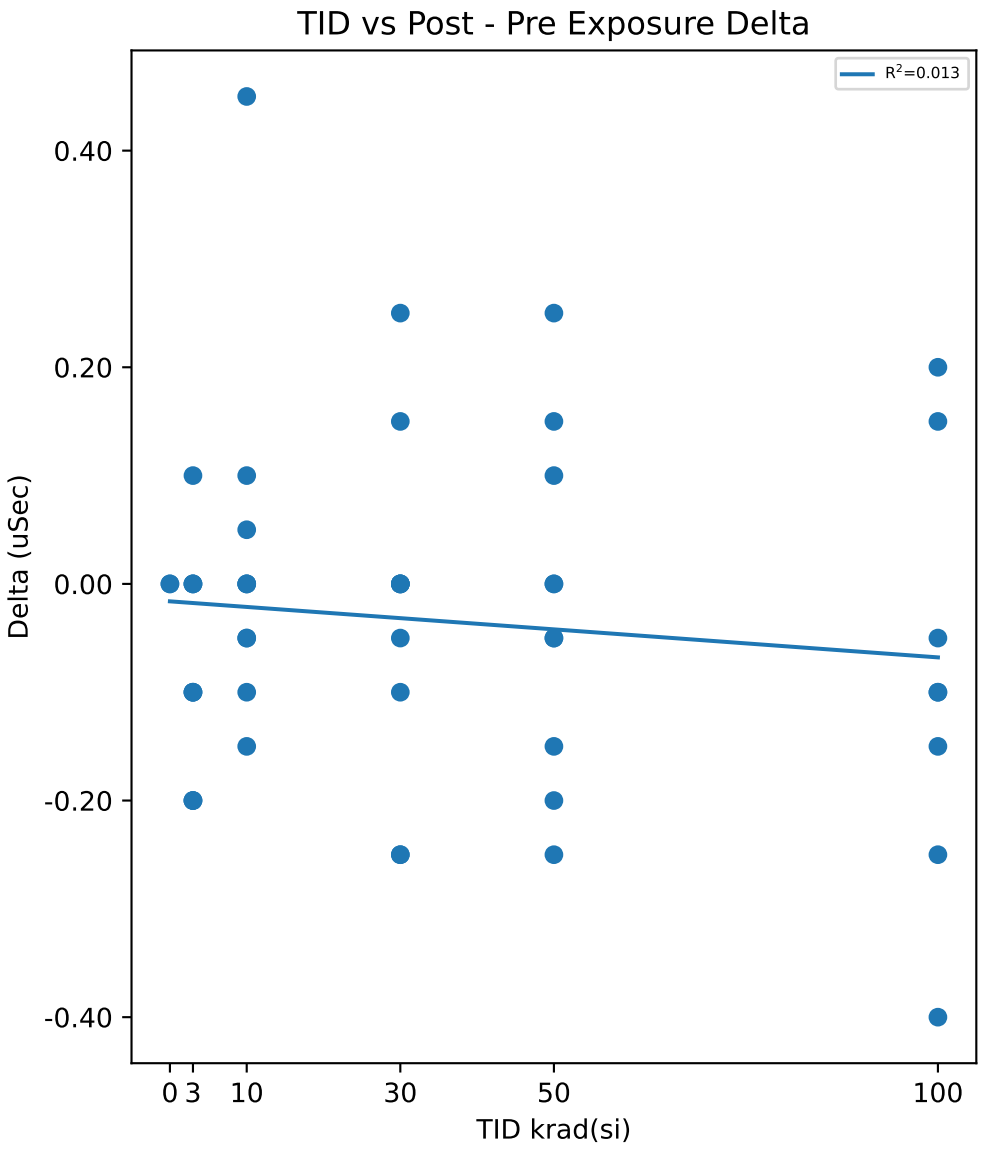
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.35 | 0.35 | 0 |
| 7 | 0 | Correlation | 0.15 | 0.15 | 0 |
| 16 | 3 | LDR-Biased | 0.2 | 0.45 | 0.25 |
| 18 | 3 | LDR-Biased | 0.25 | 0.45 | 0.2 |
| 19 | 3 | LDR-Biased | 0.2 | 0.4 | 0.2 |
| 20 | 3 | LDR-Biased | 0.25 | 0.25 | 0 |
| 21 | 3 | LDR-Biased | 0.3 | 0.2 | -0.1 |
| 22 | 3 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 23 | 3 | LDR-Unbiased | 0.2 | 0.6 | 0.4 |
| 25 | 3 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 26 | 3 | LDR-Unbiased | 0.2 | 0.35 | 0.15 |
| 27 | 3 | LDR-Unbiased | 0.2 | 0.3 | 0.1 |
| 46 | 10 | LDR-Biased | 0.2 | 0.2 | 0 |
| 48 | 10 | LDR-Biased | 0.25 | 0.25 | 0 |
| 49 | 10 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 50 | 10 | LDR-Biased | 0.25 | 0.35 | 0.1 |
| 51 | 10 | LDR-Biased | 0.3 | 0.25 | -0.05 |
| 52 | 10 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 53 | 10 | LDR-Unbiased | 0.2 | 0.35 | 0.15 |
| 55 | 10 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 56 | 10 | LDR-Unbiased | 0.2 | 0.4 | 0.2 |
| 57 | 10 | LDR-Unbiased | 0.2 | 0.45 | 0.25 |
| 76 | 30 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 78 | 30 | LDR-Biased | 0.25 | 0.45 | 0.2 |
| 79 | 30 | LDR-Biased | 0.2 | 0.4 | 0.2 |
| 80 | 30 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 81 | 30 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 82 | 30 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 83 | 30 | LDR-Unbiased | 0.2 | 0.45 | 0.25 |
| 84 | 30 | LDR-Unbiased | 0.2 | 0.3 | 0.1 |
| 85 | 30 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 86 | 30 | LDR-Unbiased | 0.2 | 0.4 | 0.2 |
| 87 | 100 | LDR-Biased | 0.35 | 0.15 | -0.2 |
| 88 | 100 | LDR-Biased | 0.4 | 0.35 | -0.05 |
| 90 | 100 | LDR-Biased | 0.45 | 0.35 | -0.1 |
| 91 | 100 | LDR-Unbiased | 0.2 | 0.4 | 0.2 |
| 93 | 100 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 94 | 100 | LDR-Unbiased | 0.25 | 0.3 | 0.05 |
| 95 | 100 | LDR-Unbiased | 0.2 | 0.2 | 0 |
| 96 | 100 | LDR-Unbiased | 0.35 | 0.25 | -0.1 |
| 106 | 50 | LDR-Biased | 0.2 | 0.55 | 0.35 |
| 108 | 50 | LDR-Biased | 0.25 | 0.25 | 0 |
| 109 | 50 | LDR-Biased | 0.2 | 0.25 | 0.05 |
| 110 | 50 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 111 | 50 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 112 | 50 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 113 | 50 | LDR-Unbiased | 0.2 | 0.2 | 0 |
| 115 | 50 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 116 | 50 | LDR-Unbiased | 0.2 | 0.35 | 0.15 |
| 117 | 50 | LDR-Unbiased | 0.2 | 0.2 | 0 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.15 | 0.25 | 0.35 | 0.14142 | 0.15 | 0.25 | 0.35 | 0.14142 | 0 | 0 | 0 | 0 |
| 3 | 0.2 | 0.24 | 0.3 | 0.045947 | 0.2 | 0.36 | 0.6 | 0.11972 | -0.1 | 0.12 | 0.4 | 0.15129 |
| 10 | 0.2 | 0.24 | 0.3 | 0.045947 | 0.2 | 0.3 | 0.45 | 0.084984 | -0.1 | 0.06 | 0.25 | 0.11255 |
| 30 | 0.2 | 0.24 | 0.3 | 0.045947 | 0.2 | 0.34 | 0.45 | 0.084327 | -0.1 | 0.1 | 0.25 | 0.11055 |
| 50 | 0.2 | 0.24 | 0.3 | 0.045947 | 0.2 | 0.315 | 0.55 | 0.11068 | 0 | 0.075 | 0.35 | 0.11365 |
| 100 | 0.2 | 0.31875 | 0.45 | 0.092341 | 0.15 | 0.2875 | 0.4 | 0.083452 | -0.2 | -0.03125 | 0.2 | 0.11934 |

# Device Test: 26.14 T_HOLD_FALL/SENSE2/3.3/14/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



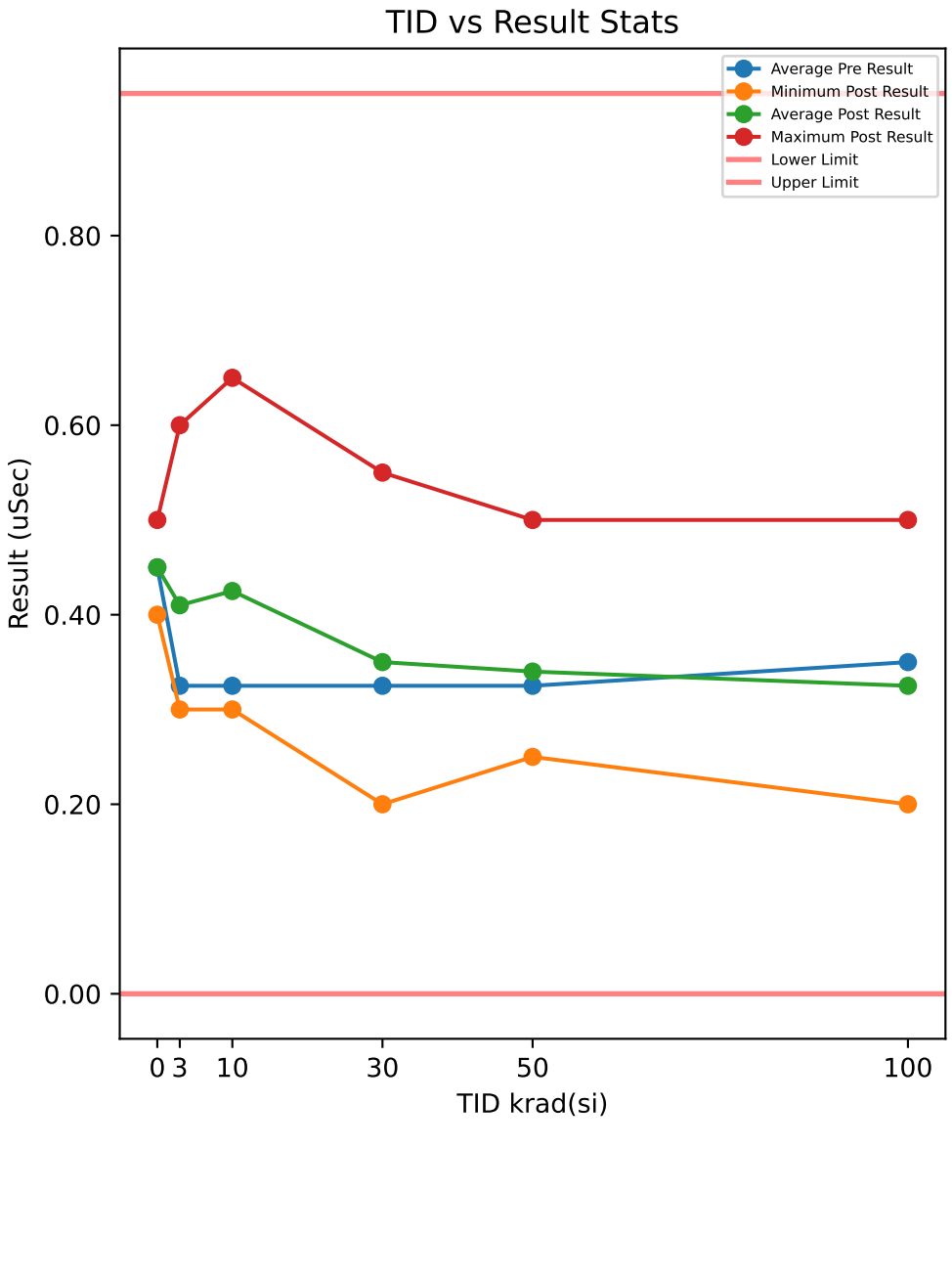

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

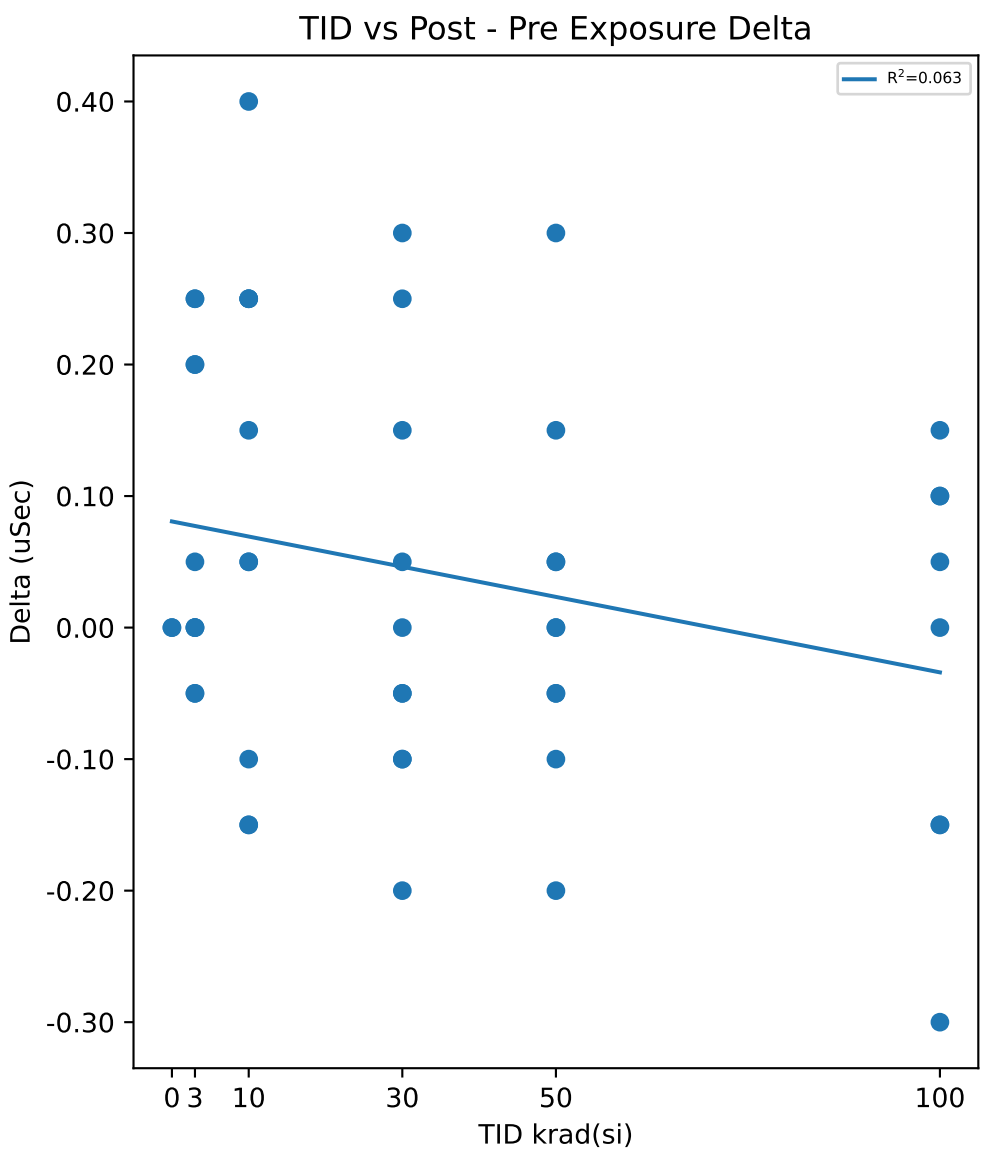
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.25 | 0.25 | 0 |
| 7 | 0 | Correlation | 0.25 | 0.25 | 0 |
| 16 | 3 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 18 | 3 | LDR-Biased | 0.45 | 0.25 | -0.2 |
| 19 | 3 | LDR-Biased | 0.2 | 0.2 | 0 |
| 20 | 3 | LDR-Biased | 0.5 | 0.3 | -0.2 |
| 21 | 3 | LDR-Biased | 0.3 | 0.2 | -0.1 |
| 22 | 3 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 23 | 3 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 25 | 3 | LDR-Unbiased | 0.45 | 0.25 | -0.2 |
| 26 | 3 | LDR-Unbiased | 0.25 | 0.35 | 0.1 |
| 27 | 3 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 46 | 10 | LDR-Biased | 0.35 | 0.4 | 0.05 |
| 48 | 10 | LDR-Biased | 0.45 | 0.4 | -0.05 |
| 49 | 10 | LDR-Biased | 0.2 | 0.2 | 0 |
| 50 | 10 | LDR-Biased | 0.5 | 0.35 | -0.15 |
| 51 | 10 | LDR-Biased | 0.3 | 0.3 | 0 |
| 52 | 10 | LDR-Unbiased | 0.25 | 0.35 | 0.1 |
| 53 | 10 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 55 | 10 | LDR-Unbiased | 0.45 | 0.45 | 0 |
| 56 | 10 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 57 | 10 | LDR-Unbiased | 0.25 | 0.7 | 0.45 |
| 76 | 30 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 78 | 30 | LDR-Biased | 0.45 | 0.2 | -0.25 |
| 79 | 30 | LDR-Biased | 0.2 | 0.35 | 0.15 |
| 80 | 30 | LDR-Biased | 0.5 | 0.25 | -0.25 |
| 81 | 30 | LDR-Biased | 0.3 | 0.3 | 0 |
| 82 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 83 | 30 | LDR-Unbiased | 0.3 | 0.55 | 0.25 |
| 84 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 85 | 30 | LDR-Unbiased | 0.45 | 0.35 | -0.1 |
| 86 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 87 | 100 | LDR-Biased | 0.45 | 0.2 | -0.25 |
| 88 | 100 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 90 | 100 | LDR-Biased | 0.65 | 0.25 | -0.4 |
| 91 | 100 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 93 | 100 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 94 | 100 | LDR-Unbiased | 0.2 | 0.4 | 0.2 |
| 95 | 100 | LDR-Unbiased | 0.15 | 0.3 | 0.15 |
| 96 | 100 | LDR-Unbiased | 0.25 | 0.15 | -0.1 |
| 106 | 50 | LDR-Biased | 0.35 | 0.15 | -0.2 |
| 108 | 50 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 109 | 50 | LDR-Biased | 0.2 | 0.45 | 0.25 |
| 110 | 50 | LDR-Biased | 0.5 | 0.25 | -0.25 |
| 111 | 50 | LDR-Biased | 0.3 | 0.3 | 0 |
| 112 | 50 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 113 | 50 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 115 | 50 | LDR-Unbiased | 0.45 | 0.4 | -0.05 |
| 116 | 50 | LDR-Unbiased | 0.25 | 0.4 | 0.15 |
| 117 | 50 | LDR-Unbiased | 0.25 | 0.25 | 0 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.25 | 0.25 | 0.25 | 0 | 0.25 | 0.25 | 0.25 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.2 | 0.33 | 0.5 | 0.10328 | 0.2 | 0.25 | 0.35 | 0.04714 | -0.2 | -0.08 | 0.1 | 0.10328 |
| 10 | 0.2 | 0.33 | 0.5 | 0.10328 | 0.2 | 0.355 | 0.7 | 0.15175 | -0.15 | 0.025 | 0.45 | 0.16541 |
| 30 | 0.2 | 0.33 | 0.5 | 0.10328 | 0.2 | 0.305 | 0.55 | 0.09846 | -0.25 | -0.025 | 0.25 | 0.15501 |
| 50 | 0.2 | 0.33 | 0.5 | 0.10328 | 0.15 | 0.31 | 0.45 | 0.099443 | -0.25 | -0.02 | 0.25 | 0.1567 |
| 100 | 0.15 | 0.35 | 0.65 | 0.16257 | 0.15 | 0.2625 | 0.4 | 0.079057 | -0.4 | -0.0875 | 0.2 | 0.19594 |

# Device Test: 26.15 T_HOLD_FALL/SENSE3/3.3/14/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



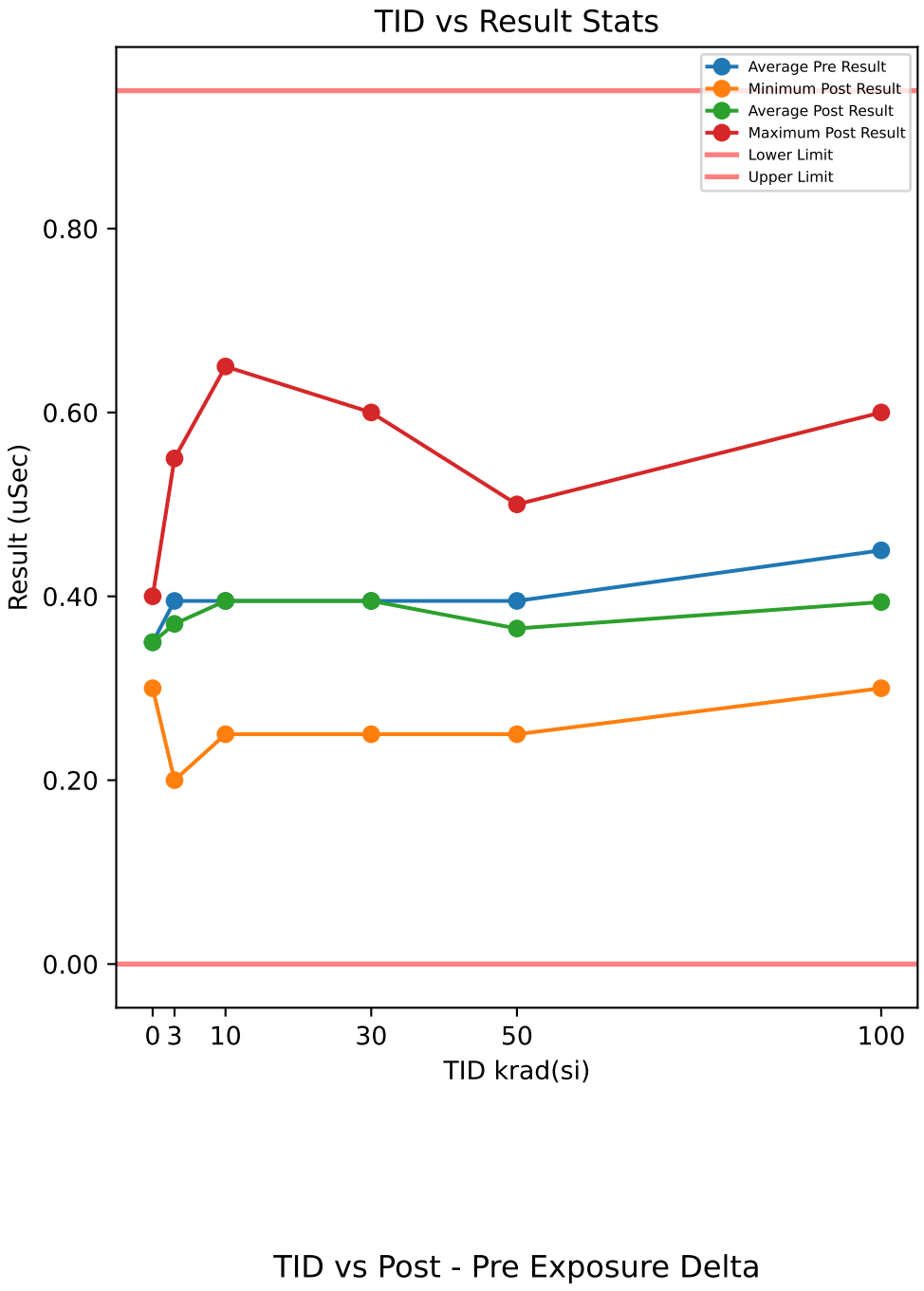

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

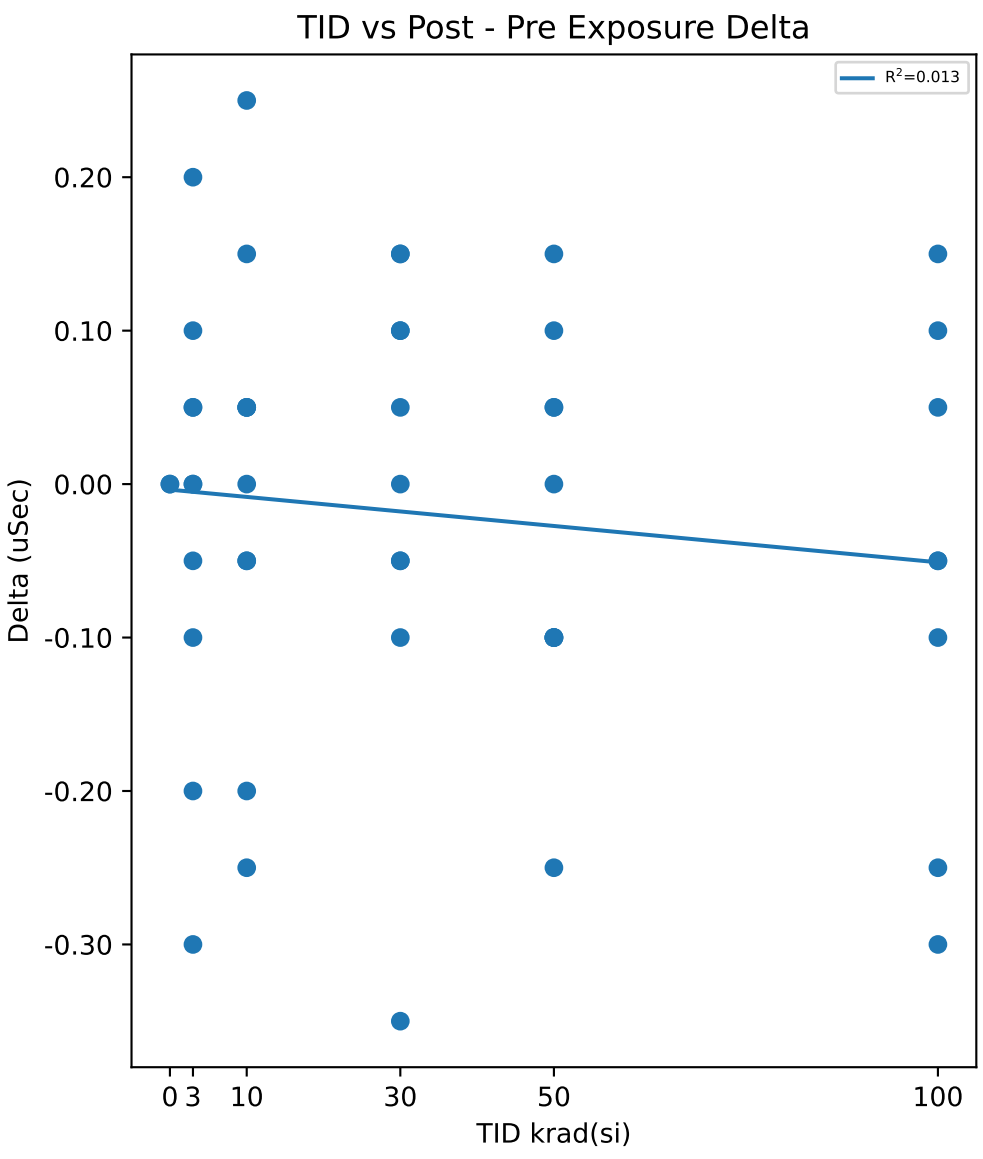
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.5 | 0.5 | 0 |
| 7 | 0 | Correlation | 0.4 | 0.4 | 0 |
| 16 | 3 | LDR-Biased | 0.35 | 0.6 | 0.25 |
| 18 | 3 | LDR-Biased | 0.45 | 0.4 | -0.05 |
| 19 | 3 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 20 | 3 | LDR-Biased | 0.3 | 0.3 | 0 |
| 21 | 3 | LDR-Biased | 0.35 | 0.35 | 0 |
| 22 | 3 | LDR-Unbiased | 0.25 | 0.5 | 0.25 |
| 23 | 3 | LDR-Unbiased | 0.45 | 0.4 | -0.05 |
| 25 | 3 | LDR-Unbiased | 0.25 | 0.45 | 0.2 |
| 26 | 3 | LDR-Unbiased | 0.2 | 0.4 | 0.2 |
| 27 | 3 | LDR-Unbiased | 0.4 | 0.4 | 0 |
| 46 | 10 | LDR-Biased | 0.35 | 0.4 | 0.05 |
| 48 | 10 | LDR-Biased | 0.45 | 0.3 | -0.15 |
| 49 | 10 | LDR-Biased | 0.25 | 0.5 | 0.25 |
| 50 | 10 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 51 | 10 | LDR-Biased | 0.35 | 0.5 | 0.15 |
| 52 | 10 | LDR-Unbiased | 0.25 | 0.5 | 0.25 |
| 53 | 10 | LDR-Unbiased | 0.45 | 0.3 | -0.15 |
| 55 | 10 | LDR-Unbiased | 0.25 | 0.65 | 0.4 |
| 56 | 10 | LDR-Unbiased | 0.2 | 0.45 | 0.25 |
| 57 | 10 | LDR-Unbiased | 0.4 | 0.3 | -0.1 |
| 76 | 30 | LDR-Biased | 0.35 | 0.5 | 0.15 |
| 78 | 30 | LDR-Biased | 0.45 | 0.25 | -0.2 |
| 79 | 30 | LDR-Biased | 0.25 | 0.55 | 0.3 |
| 80 | 30 | LDR-Biased | 0.3 | 0.2 | -0.1 |
| 81 | 30 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 82 | 30 | LDR-Unbiased | 0.25 | 0.5 | 0.25 |
| 83 | 30 | LDR-Unbiased | 0.45 | 0.4 | -0.05 |
| 84 | 30 | LDR-Unbiased | 0.4 | 0.3 | -0.1 |
| 85 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 86 | 30 | LDR-Unbiased | 0.2 | 0.25 | 0.05 |
| 87 | 100 | LDR-Biased | 0.3 | 0.4 | 0.1 |
| 88 | 100 | LDR-Biased | 0.5 | 0.2 | -0.3 |
| 90 | 100 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 91 | 100 | LDR-Unbiased | 0.35 | 0.2 | -0.15 |
| 93 | 100 | LDR-Unbiased | 0.3 | 0.4 | 0.1 |
| 94 | 100 | LDR-Unbiased | 0.35 | 0.5 | 0.15 |
| 95 | 100 | LDR-Unbiased | 0.45 | 0.3 | -0.15 |
| 96 | 100 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 106 | 50 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 108 | 50 | LDR-Biased | 0.45 | 0.25 | -0.2 |
| 109 | 50 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 110 | 50 | LDR-Biased | 0.3 | 0.3 | 0 |
| 111 | 50 | LDR-Biased | 0.35 | 0.35 | 0 |
| 112 | 50 | LDR-Unbiased | 0.25 | 0.4 | 0.15 |
| 113 | 50 | LDR-Unbiased | 0.45 | 0.35 | -0.1 |
| 115 | 50 | LDR-Unbiased | 0.25 | 0.3 | 0.05 |
| 116 | 50 | LDR-Unbiased | 0.2 | 0.5 | 0.3 |
| 117 | 50 | LDR-Unbiased | 0.4 | 0.35 | -0.05 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.4 | 0.45 | 0.5 | 0.070711 | 0.4 | 0.45 | 0.5 | 0.070711 | 0 | 0 | 0 | 0 |
| 3 | 0.2 | 0.325 | 0.45 | 0.088976 | 0.3 | 0.41 | 0.6 | 0.090676 | -0.05 | 0.085 | 0.25 | 0.12483 |
| 10 | 0.2 | 0.325 | 0.45 | 0.088976 | 0.3 | 0.425 | 0.65 | 0.11607 | -0.15 | 0.1 | 0.4 | 0.19149 |
| 30 | 0.2 | 0.325 | 0.45 | 0.088976 | 0.2 | 0.35 | 0.55 | 0.12693 | -0.2 | 0.025 | 0.3 | 0.16202 |
| 50 | 0.2 | 0.325 | 0.45 | 0.088976 | 0.25 | 0.34 | 0.5 | 0.069921 | -0.2 | 0.015 | 0.3 | 0.13754 |
| 100 | 0.25 | 0.35 | 0.5 | 0.084515 | 0.2 | 0.325 | 0.5 | 0.1069 | -0.3 | -0.025 | 0.15 | 0.15811 |

# Device Test: 26.16 T_HOLD_FALL/SENSE4/3.3/14/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



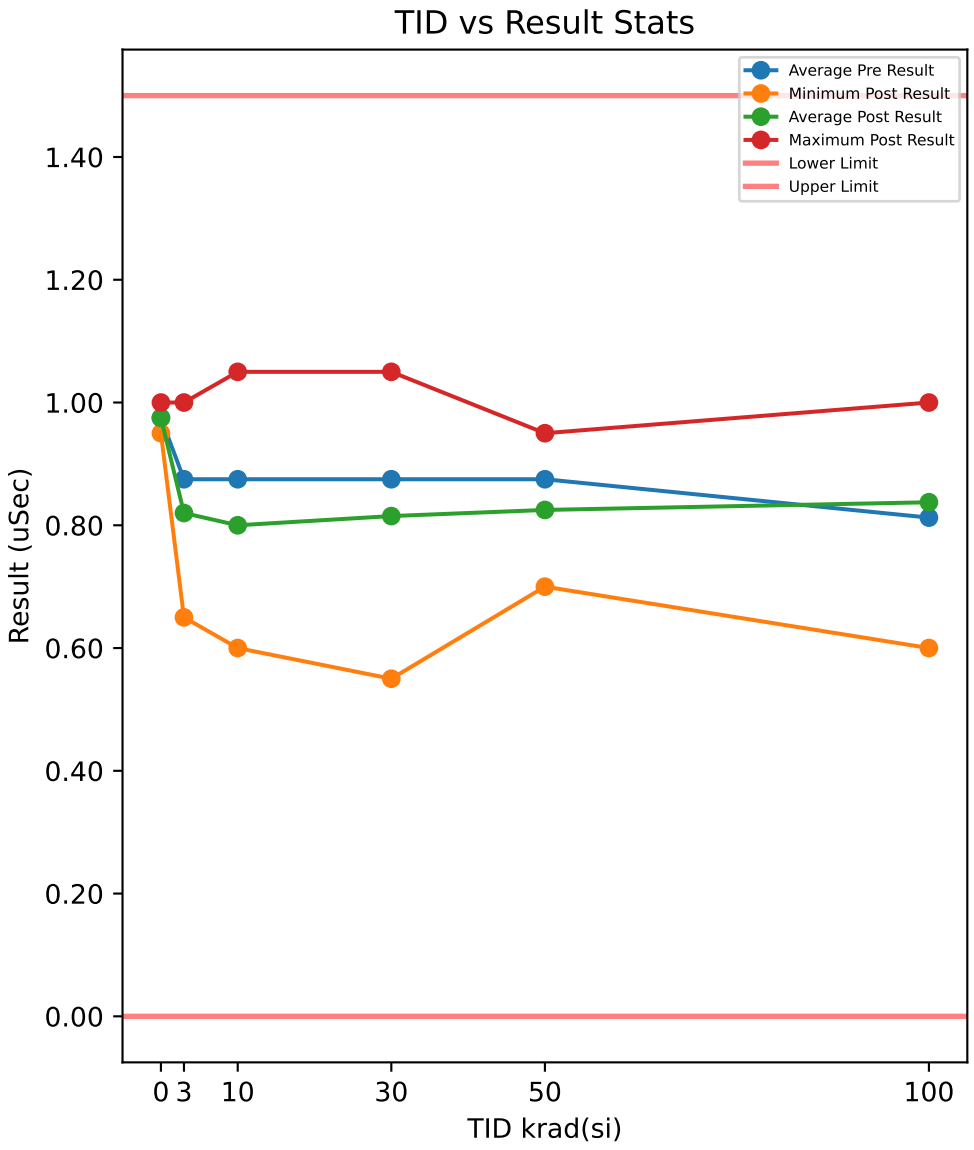

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

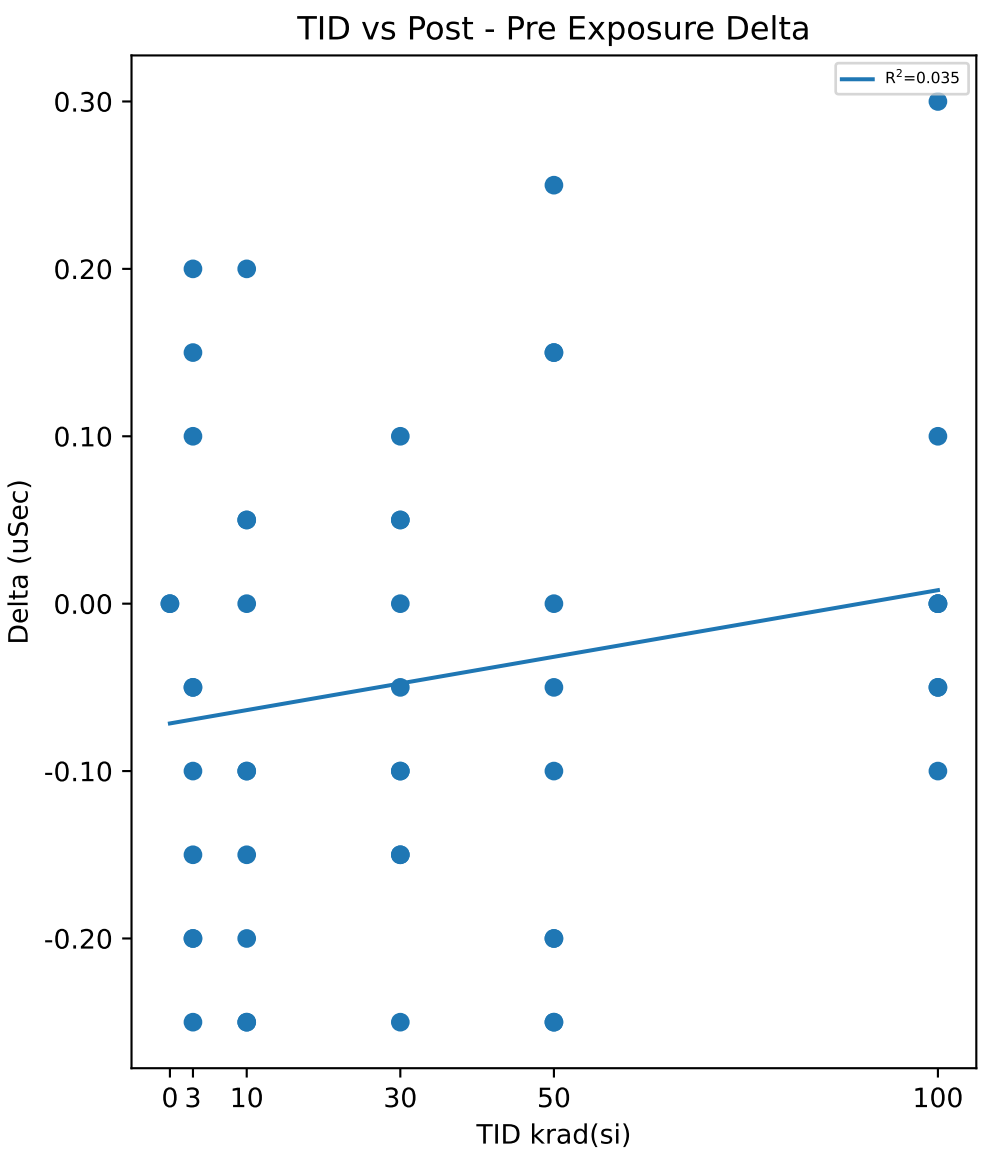
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.3 | 0.3 | 0 |
| 7 | 0 | Correlation | 0.4 | 0.4 | 0 |
| 16 | 3 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 18 | 3 | LDR-Biased | 0.5 | 0.2 | -0.3 |
| 19 | 3 | LDR-Biased | 0.5 | 0.4 | -0.1 |
| 20 | 3 | LDR-Biased | 0.35 | 0.55 | 0.2 |
| 21 | 3 | LDR-Biased | 0.6 | 0.4 | -0.2 |
| 22 | 3 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 23 | 3 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 25 | 3 | LDR-Unbiased | 0.25 | 0.35 | 0.1 |
| 26 | 3 | LDR-Unbiased | 0.4 | 0.4 | 0 |
| 27 | 3 | LDR-Unbiased | 0.4 | 0.4 | 0 |
| 46 | 10 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 48 | 10 | LDR-Biased | 0.5 | 0.3 | -0.2 |
| 49 | 10 | LDR-Biased | 0.5 | 0.65 | 0.15 |
| 50 | 10 | LDR-Biased | 0.35 | 0.6 | 0.25 |
| 51 | 10 | LDR-Biased | 0.6 | 0.35 | -0.25 |
| 52 | 10 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 53 | 10 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 55 | 10 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 56 | 10 | LDR-Unbiased | 0.4 | 0.35 | -0.05 |
| 57 | 10 | LDR-Unbiased | 0.4 | 0.45 | 0.05 |
| 76 | 30 | LDR-Biased | 0.3 | 0.35 | 0.05 |
| 78 | 30 | LDR-Biased | 0.5 | 0.6 | 0.1 |
| 79 | 30 | LDR-Biased | 0.5 | 0.45 | -0.05 |
| 80 | 30 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 81 | 30 | LDR-Biased | 0.6 | 0.25 | -0.35 |
| 82 | 30 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 83 | 30 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 84 | 30 | LDR-Unbiased | 0.4 | 0.5 | 0.1 |
| 85 | 30 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 86 | 30 | LDR-Unbiased | 0.4 | 0.55 | 0.15 |
| 87 | 100 | LDR-Biased | 0.35 | 0.3 | -0.05 |
| 88 | 100 | LDR-Biased | 0.4 | 0.35 | -0.05 |
| 90 | 100 | LDR-Biased | 0.5 | 0.6 | 0.1 |
| 91 | 100 | LDR-Unbiased | 0.45 | 0.35 | -0.1 |
| 93 | 100 | LDR-Unbiased | 0.65 | 0.4 | -0.25 |
| 94 | 100 | LDR-Unbiased | 0.65 | 0.35 | -0.3 |
| 95 | 100 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 96 | 100 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 106 | 50 | LDR-Biased | 0.3 | 0.45 | 0.15 |
| 108 | 50 | LDR-Biased | 0.5 | 0.4 | -0.1 |
| 109 | 50 | LDR-Biased | 0.5 | 0.25 | -0.25 |
| 110 | 50 | LDR-Biased | 0.35 | 0.25 | -0.1 |
| 111 | 50 | LDR-Biased | 0.6 | 0.5 | -0.1 |
| 112 | 50 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 113 | 50 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 115 | 50 | LDR-Unbiased | 0.25 | 0.25 | 0 |
| 116 | 50 | LDR-Unbiased | 0.4 | 0.5 | 0.1 |
| 117 | 50 | LDR-Unbiased | 0.4 | 0.3 | -0.1 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.3 | 0.35 | 0.4 | 0.070711 | 0.3 | 0.35 | 0.4 | 0.070711 | 0 | 0 | 0 | 0 |
| 3 | 0.25 | 0.395 | 0.6 | 0.10916 | 0.2 | 0.37 | 0.55 | 0.094868 | -0.3 | -0.025 | 0.2 | 0.14577 |
| 10 | 0.25 | 0.395 | 0.6 | 0.10916 | 0.25 | 0.395 | 0.65 | 0.13218 | -0.25 | -5.5511e-18 | 0.25 | 0.14907 |
| 30 | 0.25 | 0.395 | 0.6 | 0.10916 | 0.25 | 0.395 | 0.6 | 0.13218 | -0.35 | 5.5511e-18 | 0.15 | 0.15092 |
| 50 | 0.25 | 0.395 | 0.6 | 0.10916 | 0.25 | 0.365 | 0.5 | 0.10014 | -0.25 | -0.03 | 0.15 | 0.12065 |
| 100 | 0.3 | 0.45 | 0.65 | 0.14142 | 0.3 | 0.39375 | 0.6 | 0.094255 | -0.3 | -0.05625 | 0.15 | 0.1591 |

# Device Test: 26.2 T_HOLD_RISE/SENSE2/3.3/3/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ



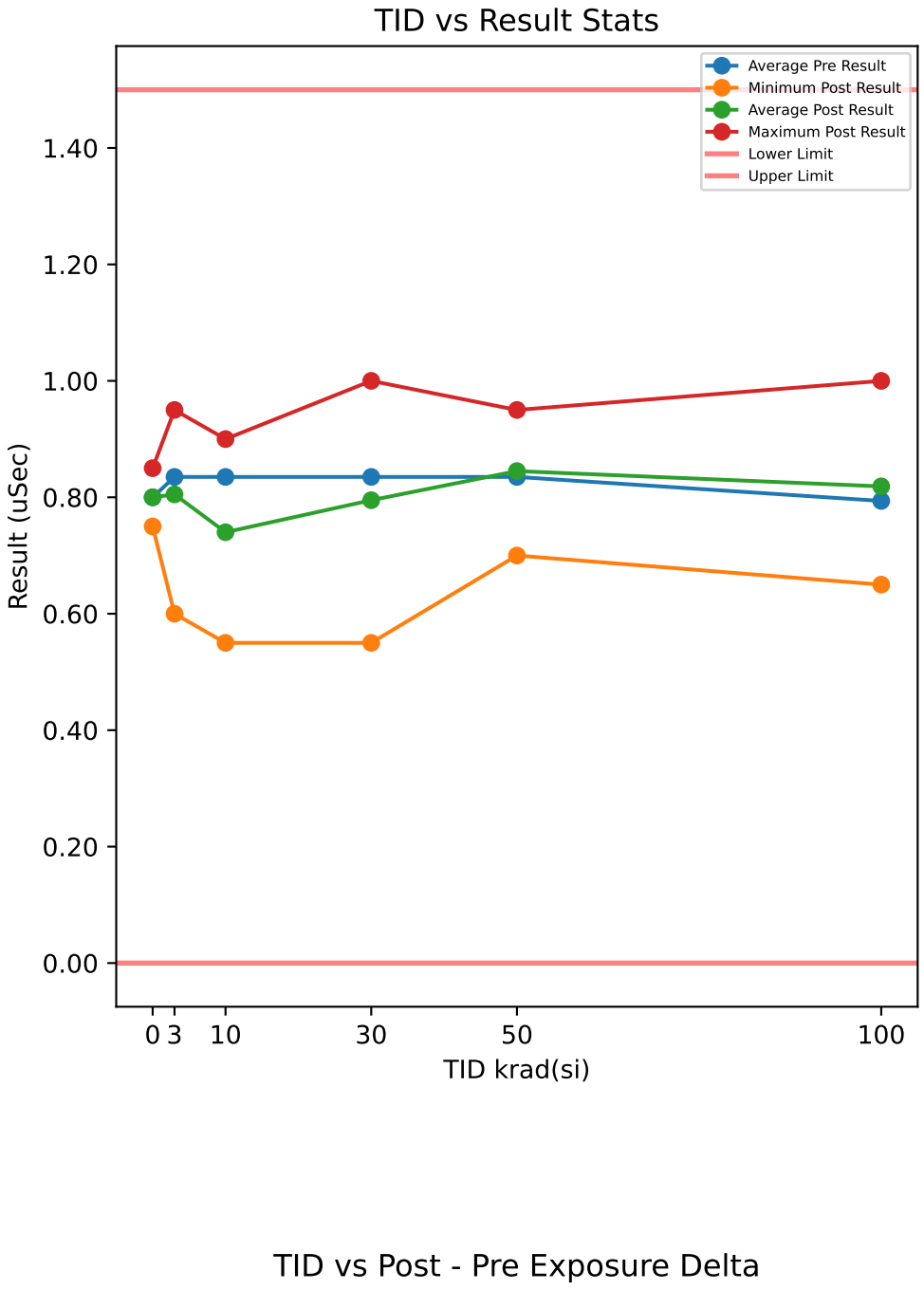

Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1 | 1 | 0 |
| 7 | 0 | Correlation | 0.95 | 0.95 | 0 |
| 16 | 3 | LDR-Biased | 0.7 | 0.9 | 0.2 |
| 18 | 3 | LDR-Biased | 0.95 | 0.75 | -0.2 |
| 19 | 3 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 20 | 3 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 21 | 3 | LDR-Biased | 0.85 | 1 | 0.15 |
| 22 | 3 | LDR-Unbiased | 1 | 0.8 | -0.2 |
| 23 | 3 | LDR-Unbiased | 0.8 | 0.65 | -0.15 |
| 25 | 3 | LDR-Unbiased | 0.95 | 0.9 | -0.05 |
| 26 | 3 | LDR-Unbiased | 0.95 | 0.7 | -0.25 |
| 27 | 3 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 46 | 10 | LDR-Biased | 0.7 | 0.75 | 0.05 |
| 48 | 10 | LDR-Biased | 0.95 | 0.7 | -0.25 |
| 49 | 10 | LDR-Biased | 0.8 | 0.8 | 0 |
| 50 | 10 | LDR-Biased | 0.8 | 0.7 | -0.1 |
| 51 | 10 | LDR-Biased | 0.85 | 0.6 | -0.25 |
| 52 | 10 | LDR-Unbiased | 1 | 1.05 | 0.05 |
| 53 | 10 | LDR-Unbiased | 0.8 | 1 | 0.2 |
| 55 | 10 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |
| 56 | 10 | LDR-Unbiased | 0.95 | 0.8 | -0.15 |
| 57 | 10 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 76 | 30 | LDR-Biased | 0.7 | 0.6 | -0.1 |
| 78 | 30 | LDR-Biased | 0.95 | 0.8 | -0.15 |
| 79 | 30 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 80 | 30 | LDR-Biased | 0.8 | 0.7 | -0.1 |
| 81 | 30 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 82 | 30 | LDR-Unbiased | 1 | 1 | 0 |
| 83 | 30 | LDR-Unbiased | 0.8 | 0.55 | -0.25 |
| 84 | 30 | LDR-Unbiased | 0.95 | 0.8 | -0.15 |
| 85 | 30 | LDR-Unbiased | 0.95 | 1.05 | 0.1 |
| 86 | 30 | LDR-Unbiased | 0.95 | 0.9 | -0.05 |
| 87 | 100 | LDR-Biased | 0.7 | 1 | 0.3 |
| 88 | 100 | LDR-Biased | 0.65 | 0.6 | -0.05 |
| 90 | 100 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 91 | 100 | LDR-Unbiased | 0.65 | 0.65 | 0 |
| 93 | 100 | LDR-Unbiased | 0.85 | 0.95 | 0.1 |
| 94 | 100 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 95 | 100 | LDR-Unbiased | 0.9 | 0.9 | 0 |
| 96 | 100 | LDR-Unbiased | 0.85 | 0.85 | 0 |
| 106 | 50 | LDR-Biased | 0.7 | 0.95 | 0.25 |
| 108 | 50 | LDR-Biased | 0.95 | 0.7 | -0.25 |
| 109 | 50 | LDR-Biased | 0.8 | 0.95 | 0.15 |
| 110 | 50 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 111 | 50 | LDR-Biased | 0.85 | 0.85 | 0 |
| 112 | 50 | LDR-Unbiased | 1 | 0.8 | -0.2 |
| 113 | 50 | LDR-Unbiased | 0.8 | 0.95 | 0.15 |
| 115 | 50 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 116 | 50 | LDR-Unbiased | 0.95 | 0.7 | -0.25 |
| 117 | 50 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |

Test Statistics (uSec)

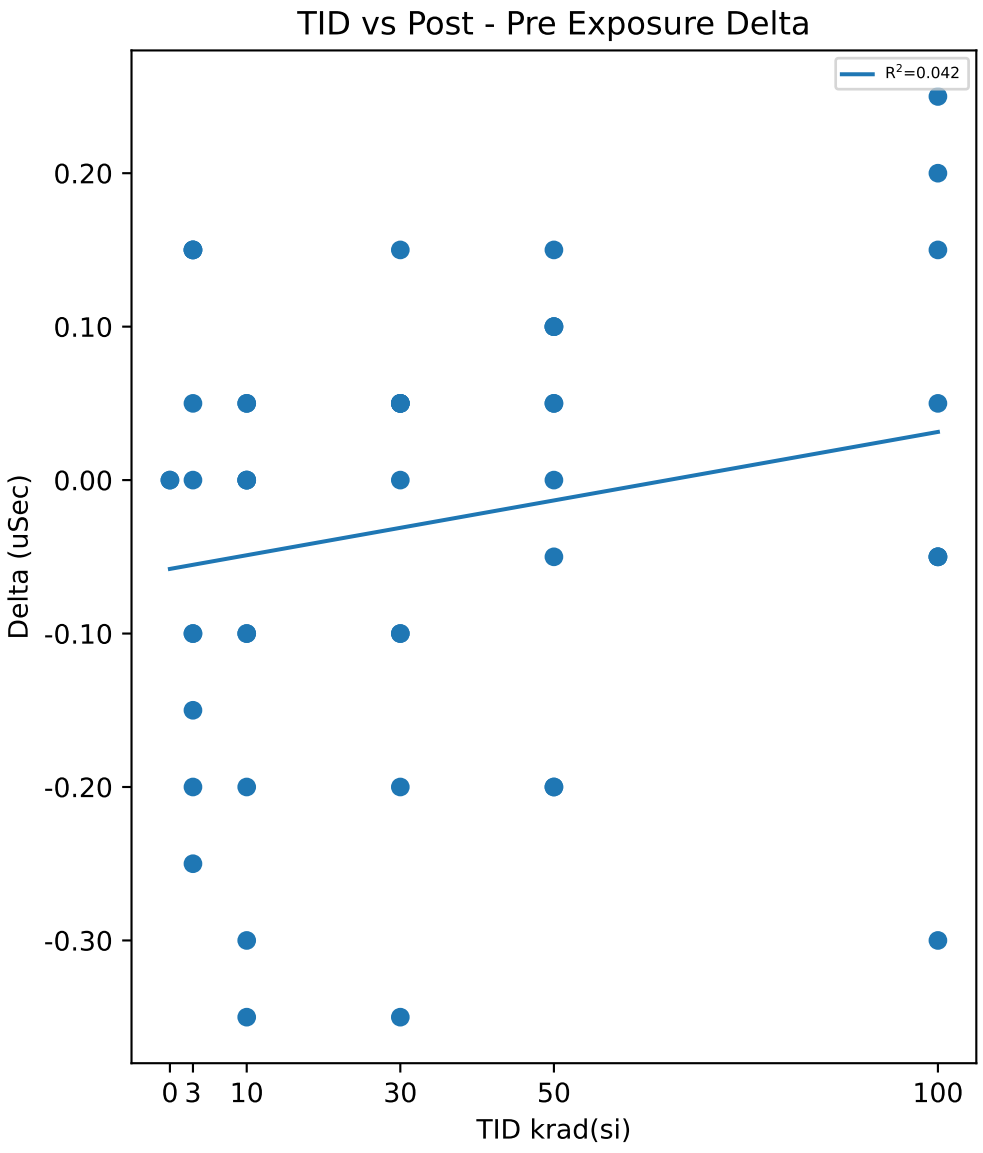
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.95 | 0.975 | 1 | 0.035355 | 0.95 | 0.975 | 1 | 0.035355 | 0 | 0 | 0 | 0 |
| 3 | 0.7 | 0.875 | 1 | 0.097895 | 0.65 | 0.82 | 1 | 0.10853 | -0.25 | -0.055 | 0.2 | 0.15714 |
| 10 | 0.7 | 0.875 | 1 | 0.097895 | 0.6 | 0.8 | 1.05 | 0.13744 | -0.25 | -0.075 | 0.2 | 0.14767 |
| 30 | 0.7 | 0.875 | 1 | 0.097895 | 0.55 | 0.815 | 1.05 | 0.16168 | -0.25 | -0.06 | 0.1 | 0.11005 |
| 50 | 0.7 | 0.875 | 1 | 0.097895 | 0.7 | 0.825 | 0.95 | 0.10069 | -0.25 | -0.05 | 0.25 | 0.18257 |
| 100 | 0.65 | 0.8125 | 0.95 | 0.12748 | 0.6 | 0.8375 | 1 | 0.14079 | -0.1 | 0.025 | 0.3 | 0.12536 |

# Device Test: 26.3 T_HOLD_RISE/SENSE3/3.3/3/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ




Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

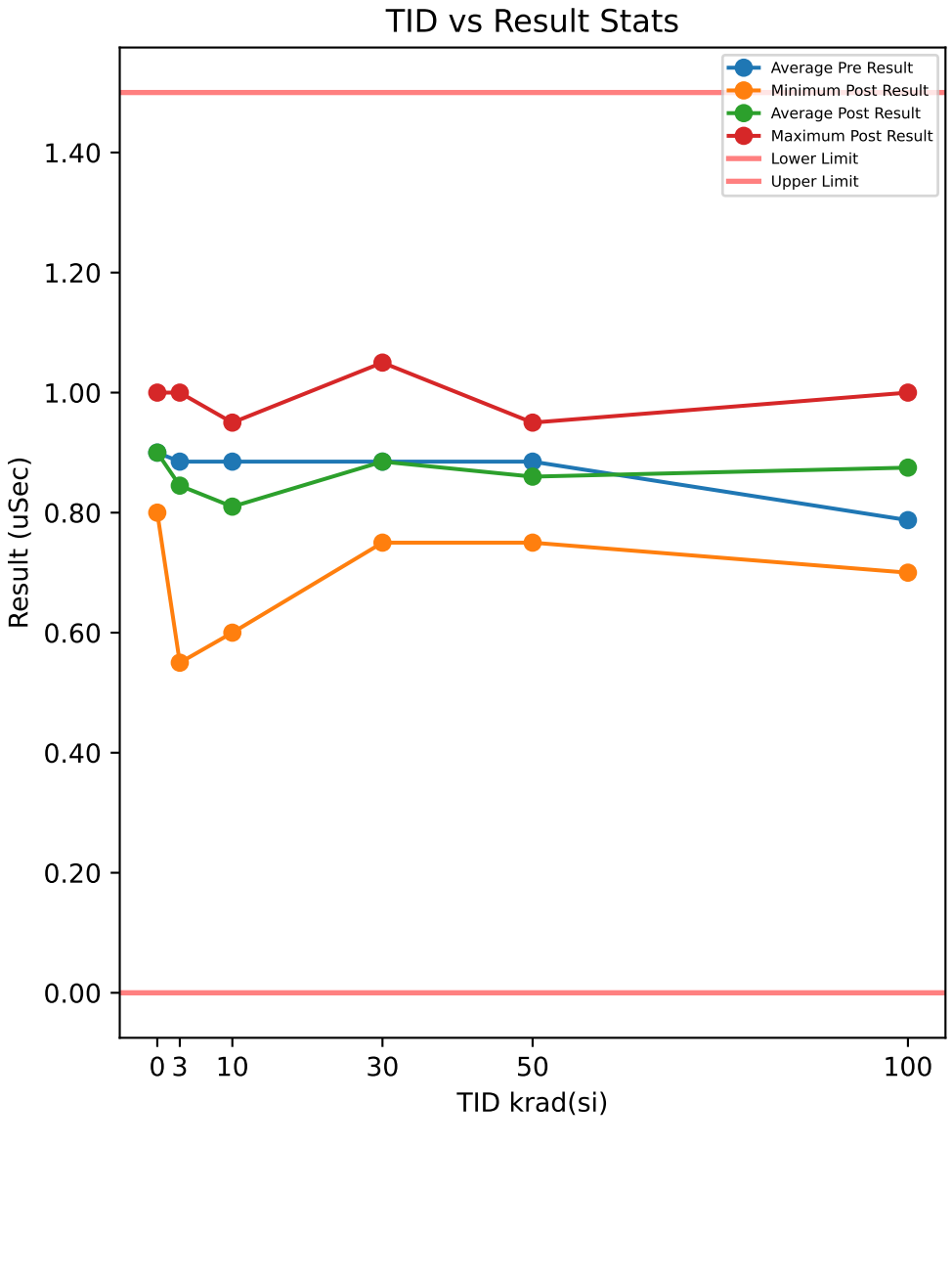
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.75 | 0.75 | 0 |
| 7 | 0 | Correlation | 0.85 | 0.85 | 0 |
| 16 | 3 | LDR-Biased | 0.8 | 0.6 | -0.2 |
| 18 | 3 | LDR-Biased | 0.85 | 0.85 | 0 |
| 19 | 3 | LDR-Biased | 0.8 | 0.95 | 0.15 |
| 20 | 3 | LDR-Biased | 0.85 | 0.75 | -0.1 |
| 21 | 3 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 22 | 3 | LDR-Unbiased | 0.7 | 0.85 | 0.15 |
| 23 | 3 | LDR-Unbiased | 1 | 0.85 | -0.15 |
| 25 | 3 | LDR-Unbiased | 0.75 | 0.9 | 0.15 |
| 26 | 3 | LDR-Unbiased | 0.9 | 0.8 | -0.1 |
| 27 | 3 | LDR-Unbiased | 0.9 | 0.65 | -0.25 |
| 46 | 10 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 48 | 10 | LDR-Biased | 0.85 | 0.65 | -0.2 |
| 49 | 10 | LDR-Biased | 0.8 | 0.8 | 0 |
| 50 | 10 | LDR-Biased | 0.85 | 0.55 | -0.3 |
| 51 | 10 | LDR-Biased | 0.8 | 0.8 | 0 |
| 52 | 10 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 53 | 10 | LDR-Unbiased | 1 | 0.65 | -0.35 |
| 55 | 10 | LDR-Unbiased | 0.75 | 0.65 | -0.1 |
| 56 | 10 | LDR-Unbiased | 0.9 | 0.8 | -0.1 |
| 57 | 10 | LDR-Unbiased | 0.9 | 0.9 | 0 |
| 76 | 30 | LDR-Biased | 0.8 | 0.7 | -0.1 |
| 78 | 30 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 79 | 30 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 80 | 30 | LDR-Biased | 0.85 | 1 | 0.15 |
| 81 | 30 | LDR-Biased | 0.8 | 0.6 | -0.2 |
| 82 | 30 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 83 | 30 | LDR-Unbiased | 1 | 0.9 | -0.1 |
| 84 | 30 | LDR-Unbiased | 0.9 | 0.9 | 0 |
| 85 | 30 | LDR-Unbiased | 0.75 | 0.8 | 0.05 |
| 86 | 30 | LDR-Unbiased | 0.9 | 0.55 | -0.35 |
| 87 | 100 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 88 | 100 | LDR-Biased | 0.9 | 0.85 | -0.05 |
| 90 | 100 | LDR-Biased | 0.6 | 0.85 | 0.25 |
| 91 | 100 | LDR-Unbiased | 0.75 | 0.95 | 0.2 |
| 93 | 100 | LDR-Unbiased | 0.95 | 0.65 | -0.3 |
| 94 | 100 | LDR-Unbiased | 0.7 | 0.65 | -0.05 |
| 95 | 100 | LDR-Unbiased | 0.85 | 1 | 0.15 |
| 96 | 100 | LDR-Unbiased | 0.8 | 0.75 | -0.05 |
| 106 | 50 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 108 | 50 | LDR-Biased | 0.85 | 0.8 | -0.05 |
| 109 | 50 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 110 | 50 | LDR-Biased | 0.85 | 0.85 | 0 |
| 111 | 50 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 112 | 50 | LDR-Unbiased | 0.7 | 0.8 | 0.1 |
| 113 | 50 | LDR-Unbiased | 1 | 0.8 | -0.2 |
| 115 | 50 | LDR-Unbiased | 0.75 | 0.9 | 0.15 |
| 116 | 50 | LDR-Unbiased | 0.9 | 0.95 | 0.05 |
| 117 | 50 | LDR-Unbiased | 0.9 | 0.7 | -0.2 |

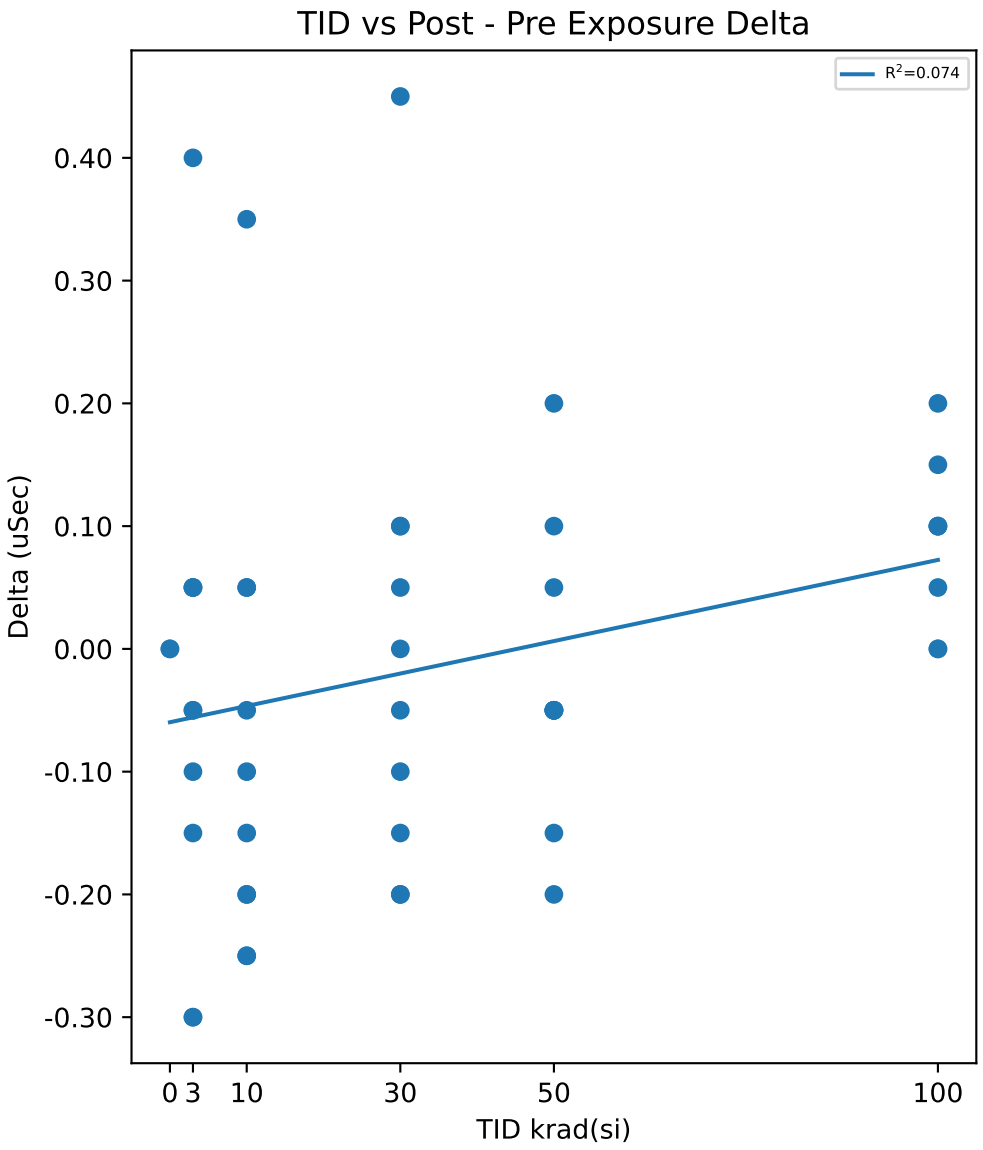



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.75 | 0.8 | 0.85 | 0.070711 | 0.75 | 0.8 | 0.85 | 0.070711 | 0 | 0 | 0 | 0 |
| 3 | 0.7 | 0.835 | 1 | 0.085147 | 0.6 | 0.805 | 0.95 | 0.10916 | -0.25 | -0.03 | 0.15 | 0.15129 |
| 10 | 0.7 | 0.835 | 1 | 0.085147 | 0.55 | 0.74 | 0.9 | 0.11005 | -0.35 | -0.095 | 0.05 | 0.14424 |
| 30 | 0.7 | 0.835 | 1 | 0.085147 | 0.55 | 0.795 | 1 | 0.14424 | -0.35 | -0.04 | 0.15 | 0.1487 |
| 50 | 0.7 | 0.835 | 1 | 0.085147 | 0.7 | 0.845 | 0.95 | 0.072457 | -0.2 | 0.01 | 0.15 | 0.12428 |
| 100 | 0.6 | 0.79375 | 0.95 | 0.1116 | 0.65 | 0.81875 | 1 | 0.128 | -0.3 | 0.025 | 0.25 | 0.17728 |

# Device Test: 26.4 T_HOLD_RISE/SENSE4/3.3/3/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ



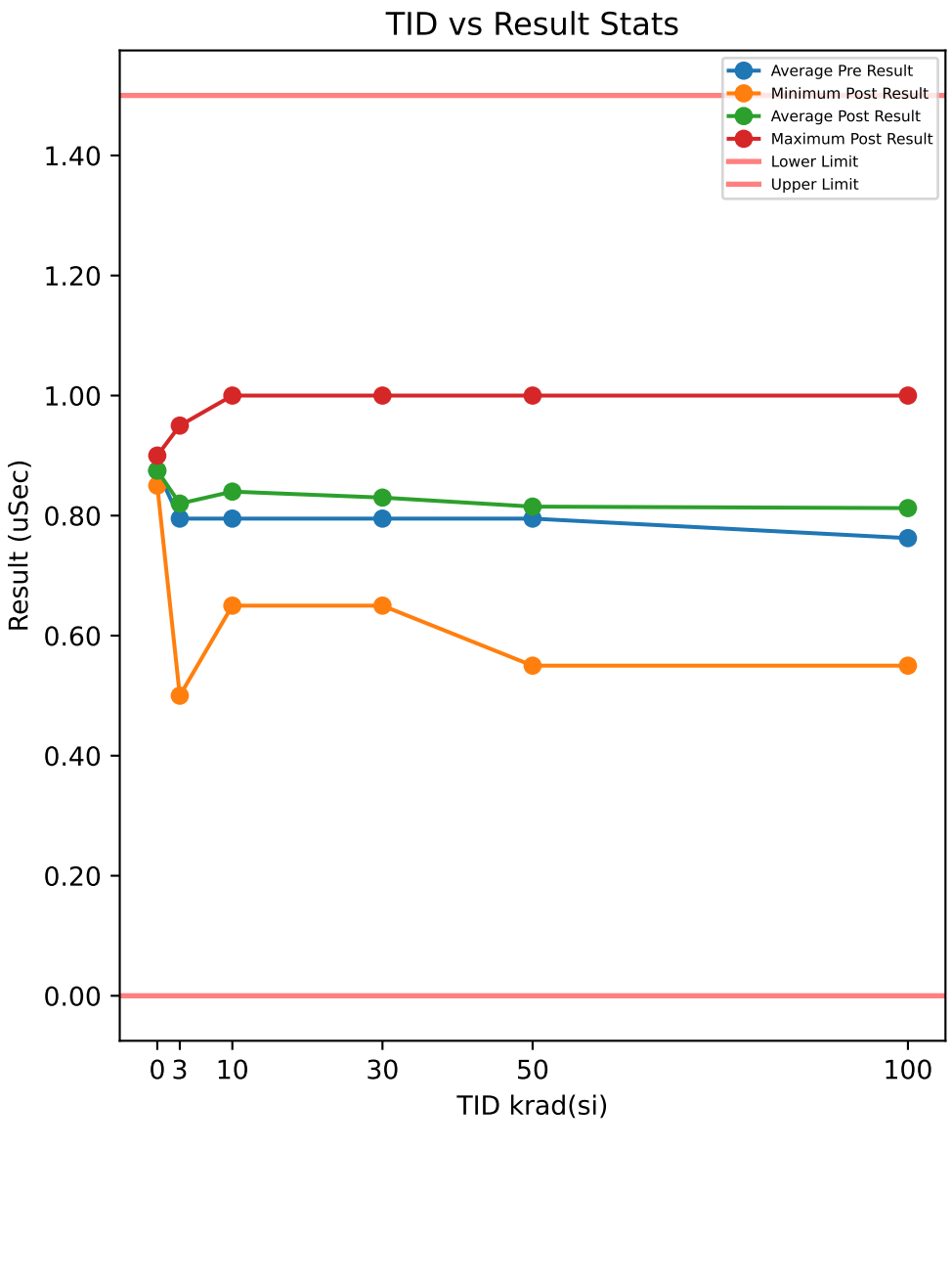

Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

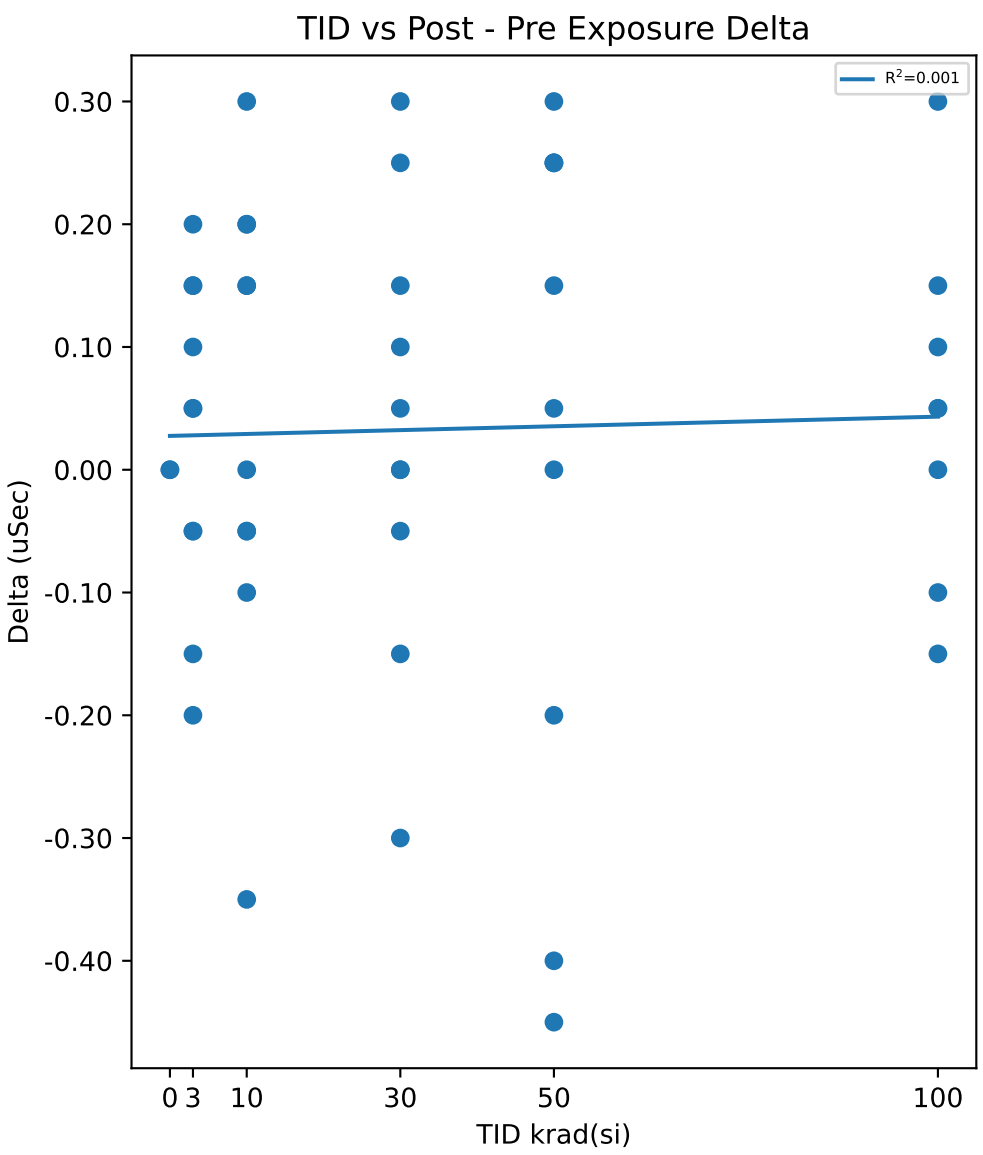
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1 | 1 | 0 |
| 7 | 0 | Correlation | 0.8 | 0.8 | 0 |
| 16 | 3 | LDR-Biased | 0.95 | 0.65 | -0.3 |
| 18 | 3 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 19 | 3 | LDR-Biased | 0.9 | 0.85 | -0.05 |
| 20 | 3 | LDR-Biased | 0.95 | 1 | 0.05 |
| 21 | 3 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 22 | 3 | LDR-Unbiased | 0.6 | 1 | 0.4 |
| 23 | 3 | LDR-Unbiased | 0.95 | 0.8 | -0.15 |
| 25 | 3 | LDR-Unbiased | 0.9 | 0.8 | -0.1 |
| 26 | 3 | LDR-Unbiased | 0.85 | 0.55 | -0.3 |
| 27 | 3 | LDR-Unbiased | 0.95 | 1 | 0.05 |
| 46 | 10 | LDR-Biased | 0.95 | 0.8 | -0.15 |
| 48 | 10 | LDR-Biased | 0.85 | 0.6 | -0.25 |
| 49 | 10 | LDR-Biased | 0.9 | 0.95 | 0.05 |
| 50 | 10 | LDR-Biased | 0.95 | 0.75 | -0.2 |
| 51 | 10 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 52 | 10 | LDR-Unbiased | 0.6 | 0.95 | 0.35 |
| 53 | 10 | LDR-Unbiased | 0.95 | 0.7 | -0.25 |
| 55 | 10 | LDR-Unbiased | 0.9 | 0.8 | -0.1 |
| 56 | 10 | LDR-Unbiased | 0.85 | 0.9 | 0.05 |
| 57 | 10 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |
| 76 | 30 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 78 | 30 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 79 | 30 | LDR-Biased | 0.9 | 0.9 | 0 |
| 80 | 30 | LDR-Biased | 0.95 | 0.8 | -0.15 |
| 81 | 30 | LDR-Biased | 0.95 | 0.75 | -0.2 |
| 82 | 30 | LDR-Unbiased | 0.6 | 1.05 | 0.45 |
| 83 | 30 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 84 | 30 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |
| 85 | 30 | LDR-Unbiased | 0.9 | 1 | 0.1 |
| 86 | 30 | LDR-Unbiased | 0.85 | 0.95 | 0.1 |
| 87 | 100 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 88 | 100 | LDR-Biased | 0.8 | 0.95 | 0.15 |
| 90 | 100 | LDR-Biased | 0.8 | 1 | 0.2 |
| 91 | 100 | LDR-Unbiased | 0.6 | 0.7 | 0.1 |
| 93 | 100 | LDR-Unbiased | 0.8 | 0.9 | 0.1 |
| 94 | 100 | LDR-Unbiased | 0.95 | 1 | 0.05 |
| 95 | 100 | LDR-Unbiased | 0.75 | 0.75 | 0 |
| 96 | 100 | LDR-Unbiased | 0.8 | 0.8 | 0 |
| 106 | 50 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 108 | 50 | LDR-Biased | 0.85 | 0.95 | 0.1 |
| 109 | 50 | LDR-Biased | 0.9 | 0.75 | -0.15 |
| 110 | 50 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 111 | 50 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 112 | 50 | LDR-Unbiased | 0.6 | 0.8 | 0.2 |
| 113 | 50 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |
| 115 | 50 | LDR-Unbiased | 0.9 | 0.85 | -0.05 |
| 116 | 50 | LDR-Unbiased | 0.85 | 0.9 | 0.05 |
| 117 | 50 | LDR-Unbiased | 0.95 | 0.9 | -0.05 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.8 | 0.9 | 1 | 0.14142 | 0.8 | 0.9 | 1 | 0.14142 | 0 | 0 | 0 | 0 |
| 3 | 0.6 | 0.885 | 0.95 | 0.10814 | 0.55 | 0.845 | 1 | 0.15175 | -0.3 | -0.04 | 0.4 | 0.20248 |
| 10 | 0.6 | 0.885 | 0.95 | 0.10814 | 0.6 | 0.81 | 0.95 | 0.11499 | -0.25 | -0.075 | 0.35 | 0.18597 |
| 30 | 0.6 | 0.885 | 0.95 | 0.10814 | 0.75 | 0.885 | 1.05 | 0.10014 | -0.2 | 3.3307e-17 | 0.45 | 0.19437 |
| 50 | 0.6 | 0.885 | 0.95 | 0.10814 | 0.75 | 0.86 | 0.95 | 0.069921 | -0.2 | -0.025 | 0.2 | 0.11607 |
| 100 | 0.6 | 0.7875 | 0.95 | 0.095431 | 0.7 | 0.875 | 1 | 0.11339 | 0 | 0.0875 | 0.2 | 0.069437 |

# Device Test: 26.5 T_HOLD_RISE/SENSE1/3.3/14/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ



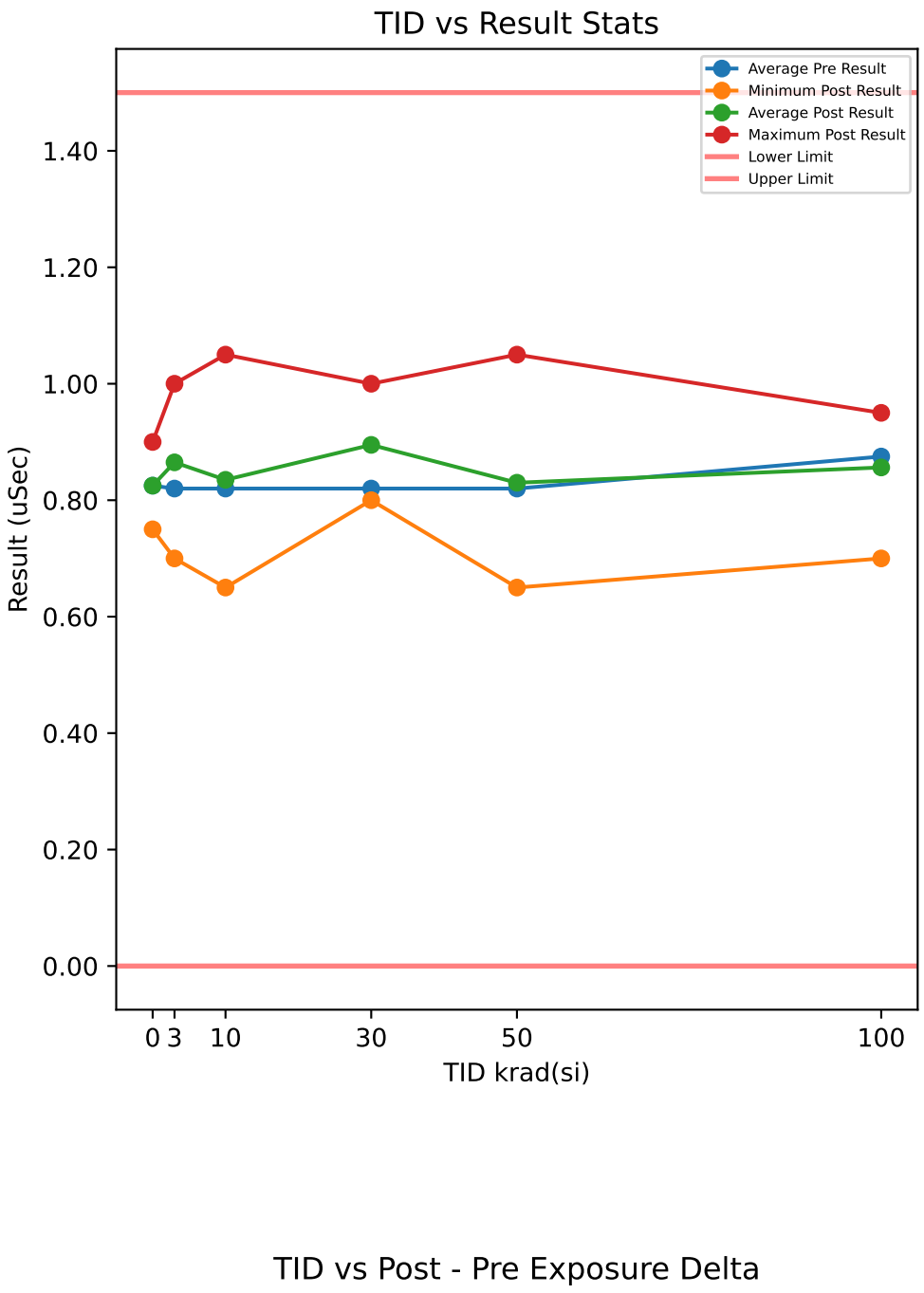

Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

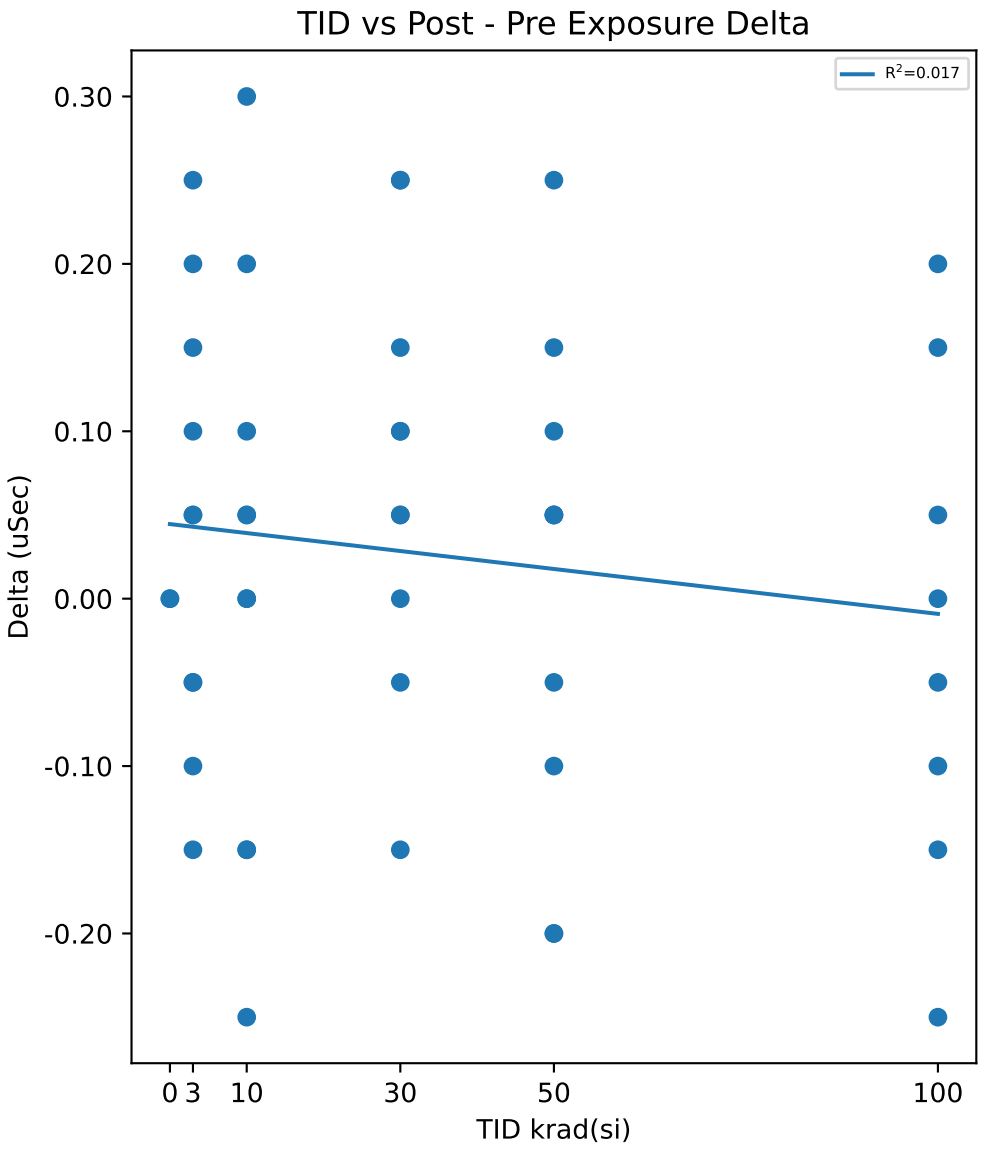
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.9 | 0.9 | 0 |
| 7 | 0 | Correlation | 0.85 | 0.85 | 0 |
| 16 | 3 | LDR-Biased | 0.7 | 0.85 | 0.15 |
| 18 | 3 | LDR-Biased | 0.8 | 0.95 | 0.15 |
| 19 | 3 | LDR-Biased | 0.7 | 0.75 | 0.05 |
| 20 | 3 | LDR-Biased | 1 | 0.85 | -0.15 |
| 21 | 3 | LDR-Biased | 0.75 | 0.95 | 0.2 |
| 22 | 3 | LDR-Unbiased | 0.95 | 0.9 | -0.05 |
| 23 | 3 | LDR-Unbiased | 1 | 0.95 | -0.05 |
| 25 | 3 | LDR-Unbiased | 0.65 | 0.75 | 0.1 |
| 26 | 3 | LDR-Unbiased | 0.7 | 0.5 | -0.2 |
| 27 | 3 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 46 | 10 | LDR-Biased | 0.7 | 0.9 | 0.2 |
| 48 | 10 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 49 | 10 | LDR-Biased | 0.7 | 0.9 | 0.2 |
| 50 | 10 | LDR-Biased | 1 | 0.9 | -0.1 |
| 51 | 10 | LDR-Biased | 0.75 | 0.9 | 0.15 |
| 52 | 10 | LDR-Unbiased | 0.95 | 0.9 | -0.05 |
| 53 | 10 | LDR-Unbiased | 1 | 0.65 | -0.35 |
| 55 | 10 | LDR-Unbiased | 0.65 | 0.8 | 0.15 |
| 56 | 10 | LDR-Unbiased | 0.7 | 1 | 0.3 |
| 57 | 10 | LDR-Unbiased | 0.7 | 0.7 | 0 |
| 76 | 30 | LDR-Biased | 0.7 | 0.85 | 0.15 |
| 78 | 30 | LDR-Biased | 0.8 | 0.8 | 0 |
| 79 | 30 | LDR-Biased | 0.7 | 1 | 0.3 |
| 80 | 30 | LDR-Biased | 1 | 0.85 | -0.15 |
| 81 | 30 | LDR-Biased | 0.75 | 0.75 | 0 |
| 82 | 30 | LDR-Unbiased | 0.95 | 0.65 | -0.3 |
| 83 | 30 | LDR-Unbiased | 1 | 0.95 | -0.05 |
| 84 | 30 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 85 | 30 | LDR-Unbiased | 0.65 | 0.75 | 0.1 |
| 86 | 30 | LDR-Unbiased | 0.7 | 0.95 | 0.25 |
| 87 | 100 | LDR-Biased | 0.7 | 0.75 | 0.05 |
| 88 | 100 | LDR-Biased | 0.6 | 0.65 | 0.05 |
| 90 | 100 | LDR-Biased | 0.9 | 0.9 | 0 |
| 91 | 100 | LDR-Unbiased | 0.75 | 0.85 | 0.1 |
| 93 | 100 | LDR-Unbiased | 1 | 0.9 | -0.1 |
| 94 | 100 | LDR-Unbiased | 0.85 | 1 | 0.15 |
| 95 | 100 | LDR-Unbiased | 0.7 | 0.55 | -0.15 |
| 96 | 100 | LDR-Unbiased | 0.6 | 0.9 | 0.3 |
| 106 | 50 | LDR-Biased | 0.7 | 0.95 | 0.25 |
| 108 | 50 | LDR-Biased | 0.8 | 0.8 | 0 |
| 109 | 50 | LDR-Biased | 0.7 | 0.95 | 0.25 |
| 110 | 50 | LDR-Biased | 1 | 0.8 | -0.2 |
| 111 | 50 | LDR-Biased | 0.75 | 0.8 | 0.05 |
| 112 | 50 | LDR-Unbiased | 0.95 | 0.55 | -0.4 |
| 113 | 50 | LDR-Unbiased | 1 | 0.55 | -0.45 |
| 115 | 50 | LDR-Unbiased | 0.65 | 0.9 | 0.25 |
| 116 | 50 | LDR-Unbiased | 0.7 | 1 | 0.3 |
| 117 | 50 | LDR-Unbiased | 0.7 | 0.85 | 0.15 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.85 | 0.875 | 0.9 | 0.035355 | 0.85 | 0.875 | 0.9 | 0.035355 | 0 | 0 | 0 | 0 |
| 3 | 0.65 | 0.795 | 1 | 0.13632 | 0.5 | 0.82 | 0.95 | 0.13984 | -0.2 | 0.025 | 0.2 | 0.13385 |
| 10 | 0.65 | 0.795 | 1 | 0.13632 | 0.65 | 0.84 | 1 | 0.11005 | -0.35 | 0.045 | 0.3 | 0.19214 |
| 30 | 0.65 | 0.795 | 1 | 0.13632 | 0.65 | 0.83 | 1 | 0.11106 | -0.3 | 0.035 | 0.3 | 0.17958 |
| 50 | 0.65 | 0.795 | 1 | 0.13632 | 0.55 | 0.815 | 1 | 0.15644 | -0.45 | 0.02 | 0.3 | 0.27909 |
| 100 | 0.6 | 0.7625 | 1 | 0.1433 | 0.55 | 0.8125 | 1 | 0.15059 | -0.15 | 0.05 | 0.3 | 0.14142 |

# Device Test: 26.6 T_HOLD_RISE/SENSE2/3.3/14/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ



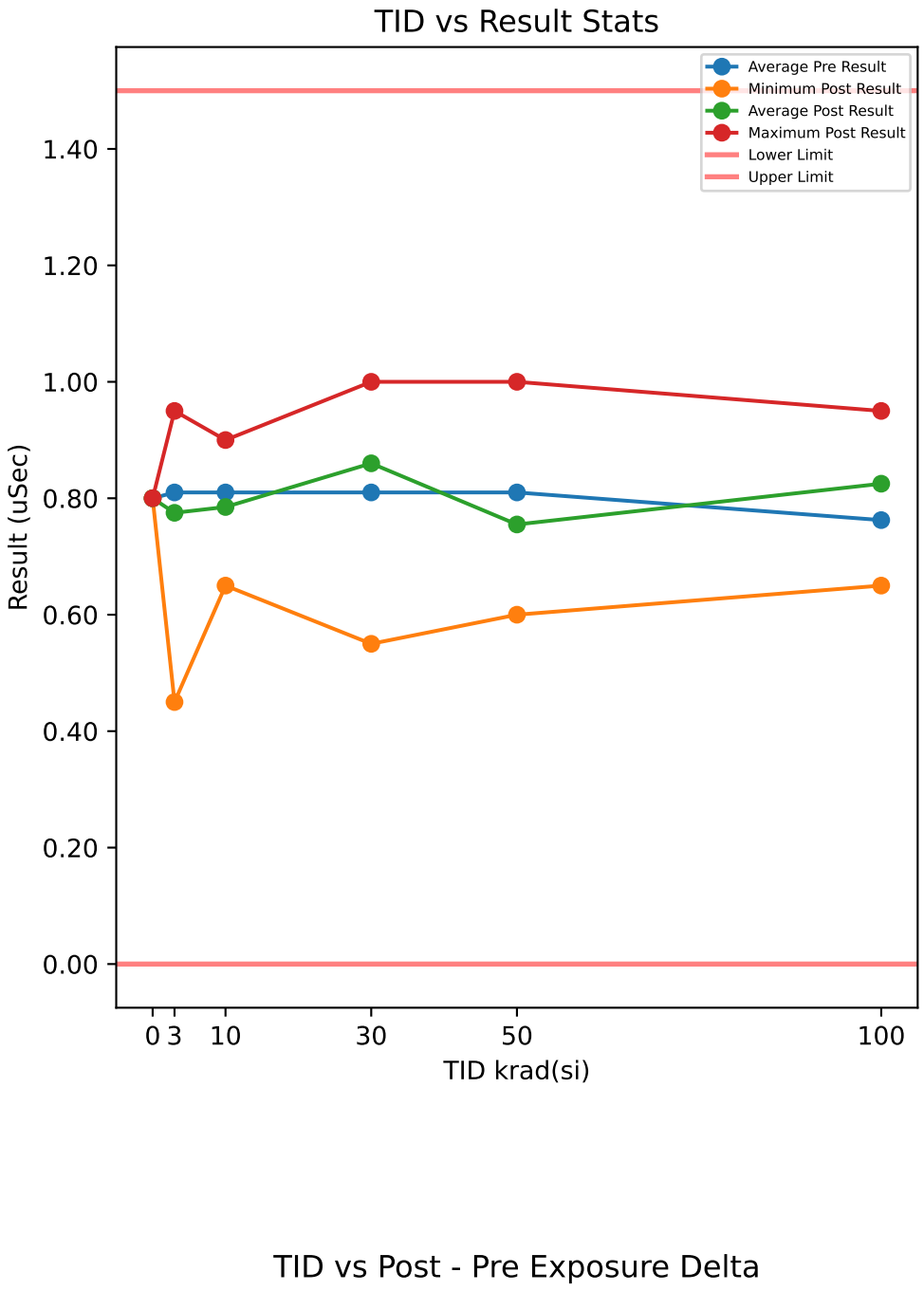

Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.75 | 0.75 | 0 |
| 7 | 0 | Correlation | 0.9 | 0.9 | 0 |
| 16 | 3 | LDR-Biased | 0.9 | 0.75 | -0.15 |
| 18 | 3 | LDR-Biased | 0.75 | 0.7 | -0.05 |
| 19 | 3 | LDR-Biased | 1 | 0.9 | -0.1 |
| 20 | 3 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 21 | 3 | LDR-Biased | 0.7 | 0.85 | 0.15 |
| 22 | 3 | LDR-Unbiased | 0.55 | 0.8 | 0.25 |
| 23 | 3 | LDR-Unbiased | 0.95 | 0.9 | -0.05 |
| 25 | 3 | LDR-Unbiased | 0.85 | 0.95 | 0.1 |
| 26 | 3 | LDR-Unbiased | 0.85 | 0.9 | 0.05 |
| 27 | 3 | LDR-Unbiased | 0.8 | 1 | 0.2 |
| 46 | 10 | LDR-Biased | 0.9 | 0.65 | -0.25 |
| 48 | 10 | LDR-Biased | 0.75 | 0.8 | 0.05 |
| 49 | 10 | LDR-Biased | 1 | 0.85 | -0.15 |
| 50 | 10 | LDR-Biased | 0.85 | 0.85 | 0 |
| 51 | 10 | LDR-Biased | 0.7 | 0.9 | 0.2 |
| 52 | 10 | LDR-Unbiased | 0.55 | 0.85 | 0.3 |
| 53 | 10 | LDR-Unbiased | 0.95 | 1.05 | 0.1 |
| 55 | 10 | LDR-Unbiased | 0.85 | 0.7 | -0.15 |
| 56 | 10 | LDR-Unbiased | 0.85 | 0.85 | 0 |
| 57 | 10 | LDR-Unbiased | 0.8 | 0.85 | 0.05 |
| 76 | 30 | LDR-Biased | 0.9 | 1 | 0.1 |
| 78 | 30 | LDR-Biased | 0.75 | 1 | 0.25 |
| 79 | 30 | LDR-Biased | 1 | 0.85 | -0.15 |
| 80 | 30 | LDR-Biased | 0.85 | 0.8 | -0.05 |
| 81 | 30 | LDR-Biased | 0.7 | 0.85 | 0.15 |
| 82 | 30 | LDR-Unbiased | 0.55 | 0.8 | 0.25 |
| 83 | 30 | LDR-Unbiased | 0.95 | 0.95 | 0 |
| 84 | 30 | LDR-Unbiased | 0.8 | 0.85 | 0.05 |
| 85 | 30 | LDR-Unbiased | 0.85 | 0.9 | 0.05 |
| 86 | 30 | LDR-Unbiased | 0.85 | 0.95 | 0.1 |
| 87 | 100 | LDR-Biased | 0.85 | 0.7 | -0.15 |
| 88 | 100 | LDR-Biased | 1.05 | 0.8 | -0.25 |
| 90 | 100 | LDR-Biased | 1.05 | 0.95 | -0.1 |
| 91 | 100 | LDR-Unbiased | 0.7 | 0.85 | 0.15 |
| 93 | 100 | LDR-Unbiased | 0.9 | 0.95 | 0.05 |
| 94 | 100 | LDR-Unbiased | 0.9 | 0.9 | 0 |
| 95 | 100 | LDR-Unbiased | 0.85 | 0.8 | -0.05 |
| 96 | 100 | LDR-Unbiased | 0.7 | 0.9 | 0.2 |
| 106 | 50 | LDR-Biased | 0.9 | 1.05 | 0.15 |
| 108 | 50 | LDR-Biased | 0.75 | 0.8 | 0.05 |
| 109 | 50 | LDR-Biased | 1 | 0.8 | -0.2 |
| 110 | 50 | LDR-Biased | 0.85 | 0.9 | 0.05 |
| 111 | 50 | LDR-Biased | 0.7 | 0.95 | 0.25 |
| 112 | 50 | LDR-Unbiased | 0.55 | 0.65 | 0.1 |
| 113 | 50 | LDR-Unbiased | 0.95 | 0.85 | -0.1 |
| 115 | 50 | LDR-Unbiased | 0.85 | 0.9 | 0.05 |
| 116 | 50 | LDR-Unbiased | 0.85 | 0.65 | -0.2 |
| 117 | 50 | LDR-Unbiased | 0.8 | 0.75 | -0.05 |

Test Statistics (uSec)

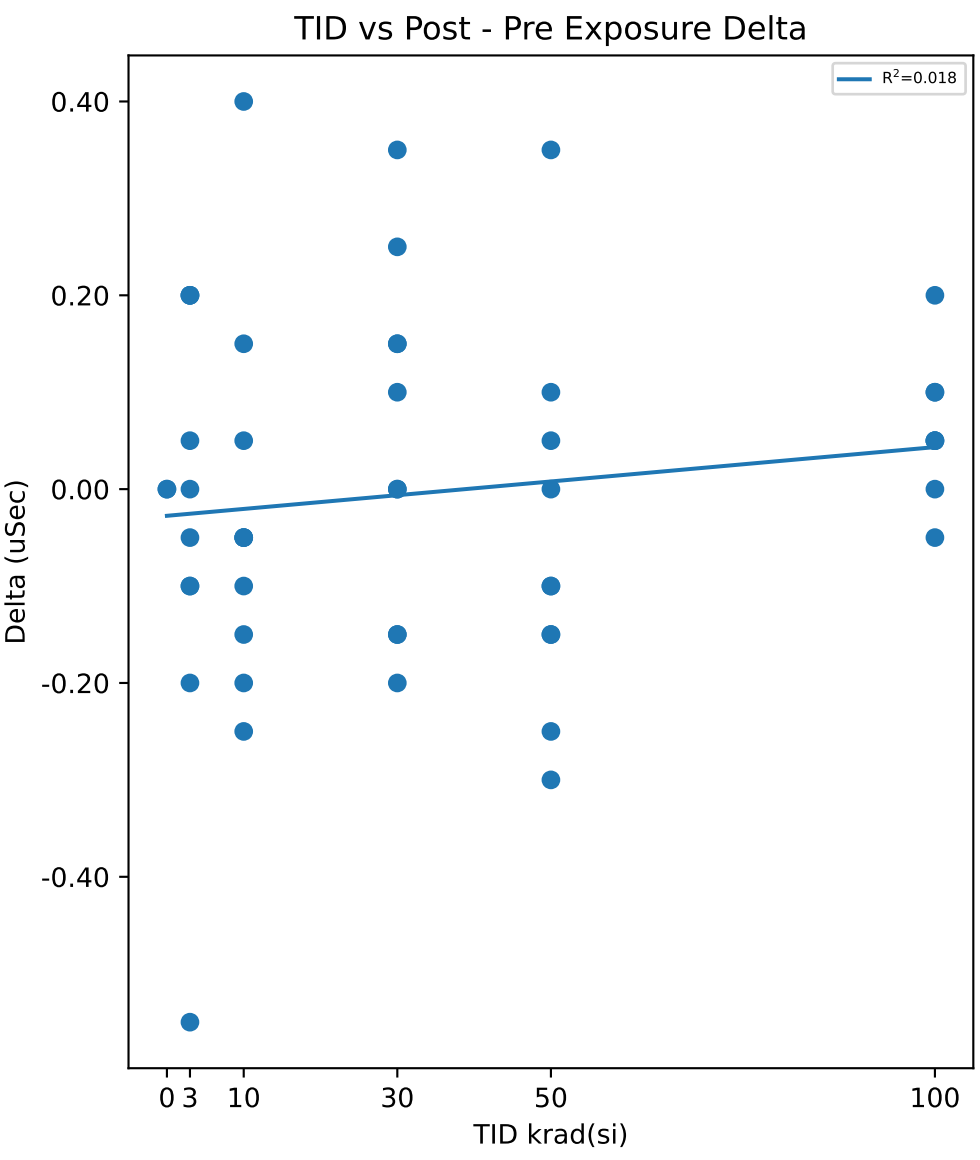
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.75 | 0.825 | 0.9 | 0.10607 | 0.75 | 0.825 | 0.9 | 0.10607 | 0 | 0 | 0 | 0 |
| 3 | 0.55 | 0.82 | 1 | 0.12953 | 0.7 | 0.865 | 1 | 0.091439 | -0.15 | 0.045 | 0.25 | 0.13218 |
| 10 | 0.55 | 0.82 | 1 | 0.12953 | 0.65 | 0.835 | 1.05 | 0.10814 | -0.25 | 0.015 | 0.3 | 0.16675 |
| 30 | 0.55 | 0.82 | 1 | 0.12953 | 0.8 | 0.895 | 1 | 0.076194 | -0.15 | 0.075 | 0.25 | 0.12528 |
| 50 | 0.55 | 0.82 | 1 | 0.12953 | 0.65 | 0.83 | 1.05 | 0.12737 | -0.2 | 0.01 | 0.25 | 0.14682 |
| 100 | 0.7 | 0.875 | 1.05 | 0.13363 | 0.7 | 0.85625 | 0.95 | 0.086344 | -0.25 | -0.01875 | 0.2 | 0.15104 |

# Device Test: 26.7 T_HOLD_RISE/SENSE3/3.3/14/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ




Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

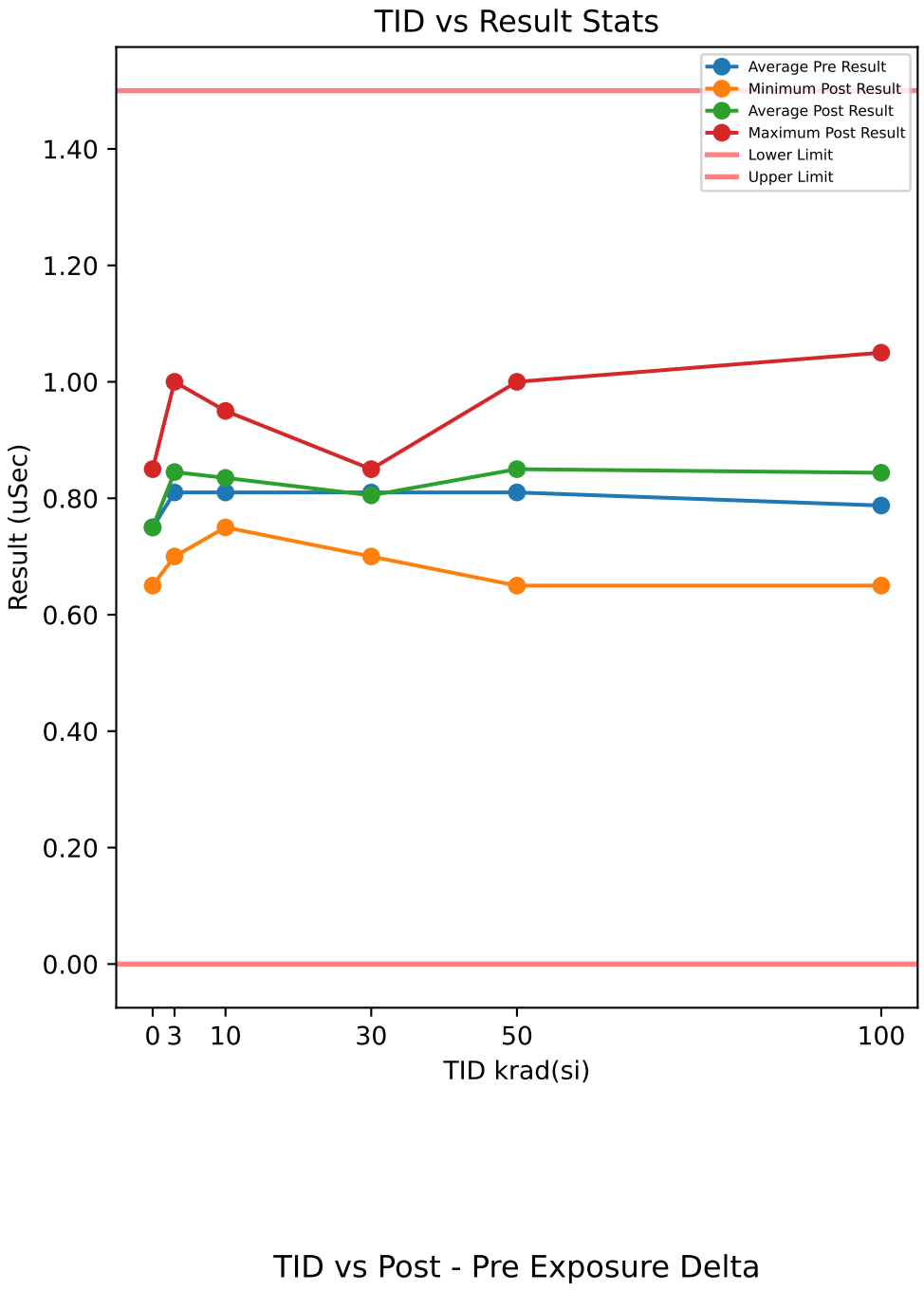
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.8 | 0.8 | 0 |
| 7 | 0 | Correlation | 0.8 | 0.8 | 0 |
| 16 | 3 | LDR-Biased | 0.8 | 0.8 | 0 |
| 18 | 3 | LDR-Biased | 0.95 | 0.85 | -0.1 |
| 19 | 3 | LDR-Biased | 0.9 | 0.8 | -0.1 |
| 20 | 3 | LDR-Biased | 0.75 | 0.95 | 0.2 |
| 21 | 3 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 22 | 3 | LDR-Unbiased | 0.5 | 0.7 | 0.2 |
| 23 | 3 | LDR-Unbiased | 1 | 0.45 | -0.55 |
| 25 | 3 | LDR-Unbiased | 0.75 | 0.95 | 0.2 |
| 26 | 3 | LDR-Unbiased | 0.7 | 0.65 | -0.05 |
| 27 | 3 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |
| 46 | 10 | LDR-Biased | 0.8 | 0.65 | -0.15 |
| 48 | 10 | LDR-Biased | 0.95 | 0.9 | -0.05 |
| 49 | 10 | LDR-Biased | 0.9 | 0.85 | -0.05 |
| 50 | 10 | LDR-Biased | 0.75 | 0.9 | 0.15 |
| 51 | 10 | LDR-Biased | 0.8 | 0.75 | -0.05 |
| 52 | 10 | LDR-Unbiased | 0.5 | 0.9 | 0.4 |
| 53 | 10 | LDR-Unbiased | 1 | 0.75 | -0.25 |
| 55 | 10 | LDR-Unbiased | 0.75 | 0.65 | -0.1 |
| 56 | 10 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 57 | 10 | LDR-Unbiased | 0.95 | 0.75 | -0.2 |
| 76 | 30 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 78 | 30 | LDR-Biased | 0.95 | 0.8 | -0.15 |
| 79 | 30 | LDR-Biased | 0.9 | 0.9 | 0 |
| 80 | 30 | LDR-Biased | 0.75 | 0.9 | 0.15 |
| 81 | 30 | LDR-Biased | 0.8 | 0.95 | 0.15 |
| 82 | 30 | LDR-Unbiased | 0.5 | 0.85 | 0.35 |
| 83 | 30 | LDR-Unbiased | 1 | 0.8 | -0.2 |
| 84 | 30 | LDR-Unbiased | 0.95 | 0.95 | 0 |
| 85 | 30 | LDR-Unbiased | 0.75 | 1 | 0.25 |
| 86 | 30 | LDR-Unbiased | 0.7 | 0.55 | -0.15 |
| 87 | 100 | LDR-Biased | 0.7 | 0.65 | -0.05 |
| 88 | 100 | LDR-Biased | 0.85 | 0.95 | 0.1 |
| 90 | 100 | LDR-Biased | 0.8 | 0.85 | 0.05 |
| 91 | 100 | LDR-Unbiased | 0.75 | 0.75 | 0 |
| 93 | 100 | LDR-Unbiased | 0.85 | 0.9 | 0.05 |
| 94 | 100 | LDR-Unbiased | 0.65 | 0.75 | 0.1 |
| 95 | 100 | LDR-Unbiased | 0.9 | 0.95 | 0.05 |
| 96 | 100 | LDR-Unbiased | 0.6 | 0.8 | 0.2 |
| 106 | 50 | LDR-Biased | 0.8 | 0.7 | -0.1 |
| 108 | 50 | LDR-Biased | 0.95 | 1 | 0.05 |
| 109 | 50 | LDR-Biased | 0.9 | 0.75 | -0.15 |
| 110 | 50 | LDR-Biased | 0.75 | 0.75 | 0 |
| 111 | 50 | LDR-Biased | 0.8 | 0.7 | -0.1 |
| 112 | 50 | LDR-Unbiased | 0.5 | 0.85 | 0.35 |
| 113 | 50 | LDR-Unbiased | 1 | 0.75 | -0.25 |
| 115 | 50 | LDR-Unbiased | 0.75 | 0.6 | -0.15 |
| 116 | 50 | LDR-Unbiased | 0.7 | 0.8 | 0.1 |
| 117 | 50 | LDR-Unbiased | 0.95 | 0.65 | -0.3 |

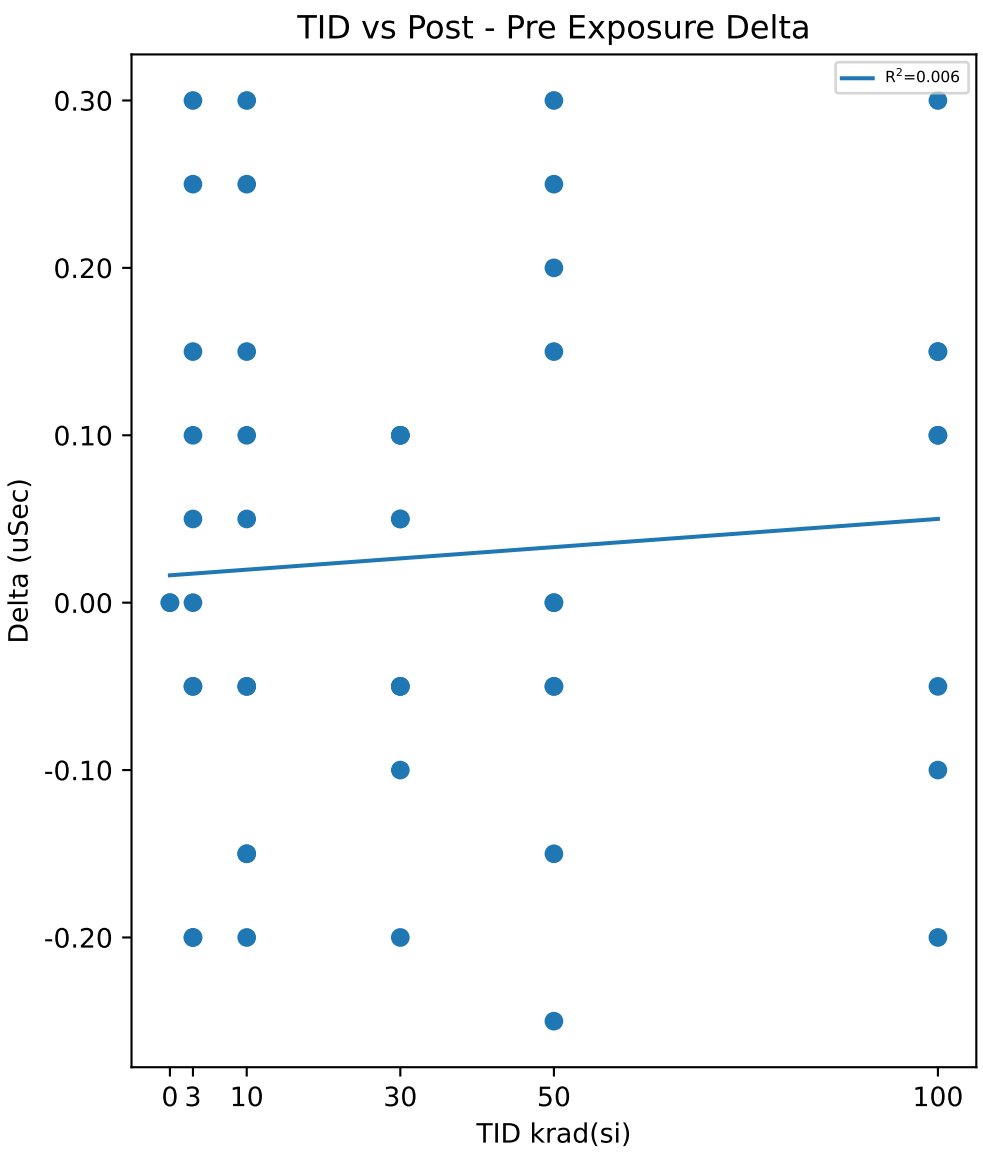



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.8 | 0.8 | 0.8 | 0 | 0.8 | 0.8 | 0.8 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.5 | 0.81 | 1 | 0.1487 | 0.45 | 0.775 | 0.95 | 0.14954 | -0.55 | -0.035 | 0.2 | 0.22979 |
| 10 | 0.5 | 0.81 | 1 | 0.1487 | 0.65 | 0.785 | 0.9 | 0.097325 | -0.25 | -0.025 | 0.4 | 0.18893 |
| 30 | 0.5 | 0.81 | 1 | 0.1487 | 0.55 | 0.86 | 1 | 0.12649 | -0.2 | 0.05 | 0.35 | 0.18257 |
| 50 | 0.5 | 0.81 | 1 | 0.1487 | 0.6 | 0.755 | 1 | 0.11168 | -0.3 | -0.055 | 0.35 | 0.18922 |
| 100 | 0.6 | 0.7625 | 0.9 | 0.10607 | 0.65 | 0.825 | 0.95 | 0.1069 | -0.05 | 0.0625 | 0.2 | 0.074402 |

# Device Test: 26.8 T_HOLD_RISE/SENSE4/3.3/14/0/0/0/@SENSE_RISE_HOLD_TIME_SEQ



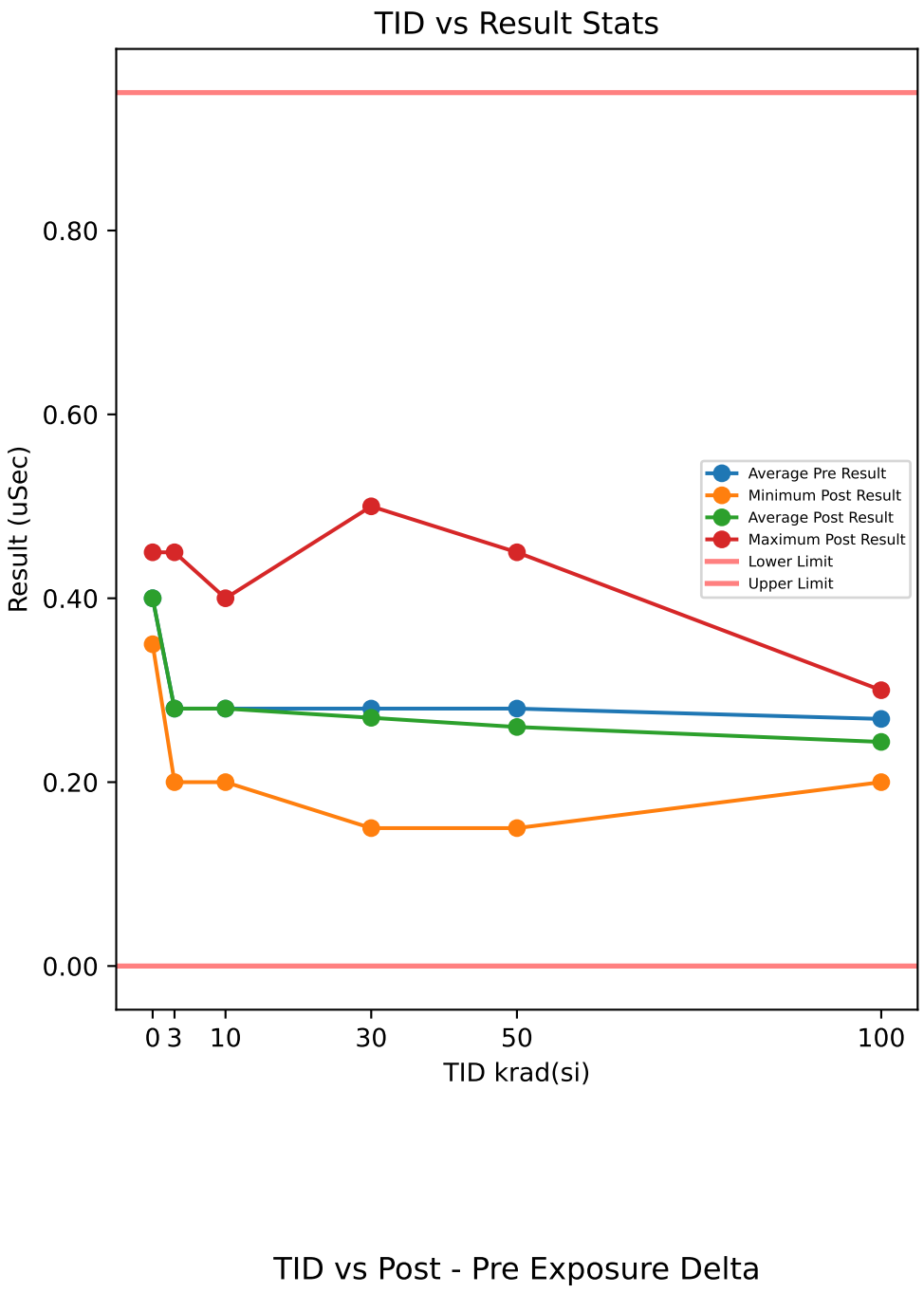

Test Results (Lower Limit = 0.0, Upper Limit = 1.5 (uSec))

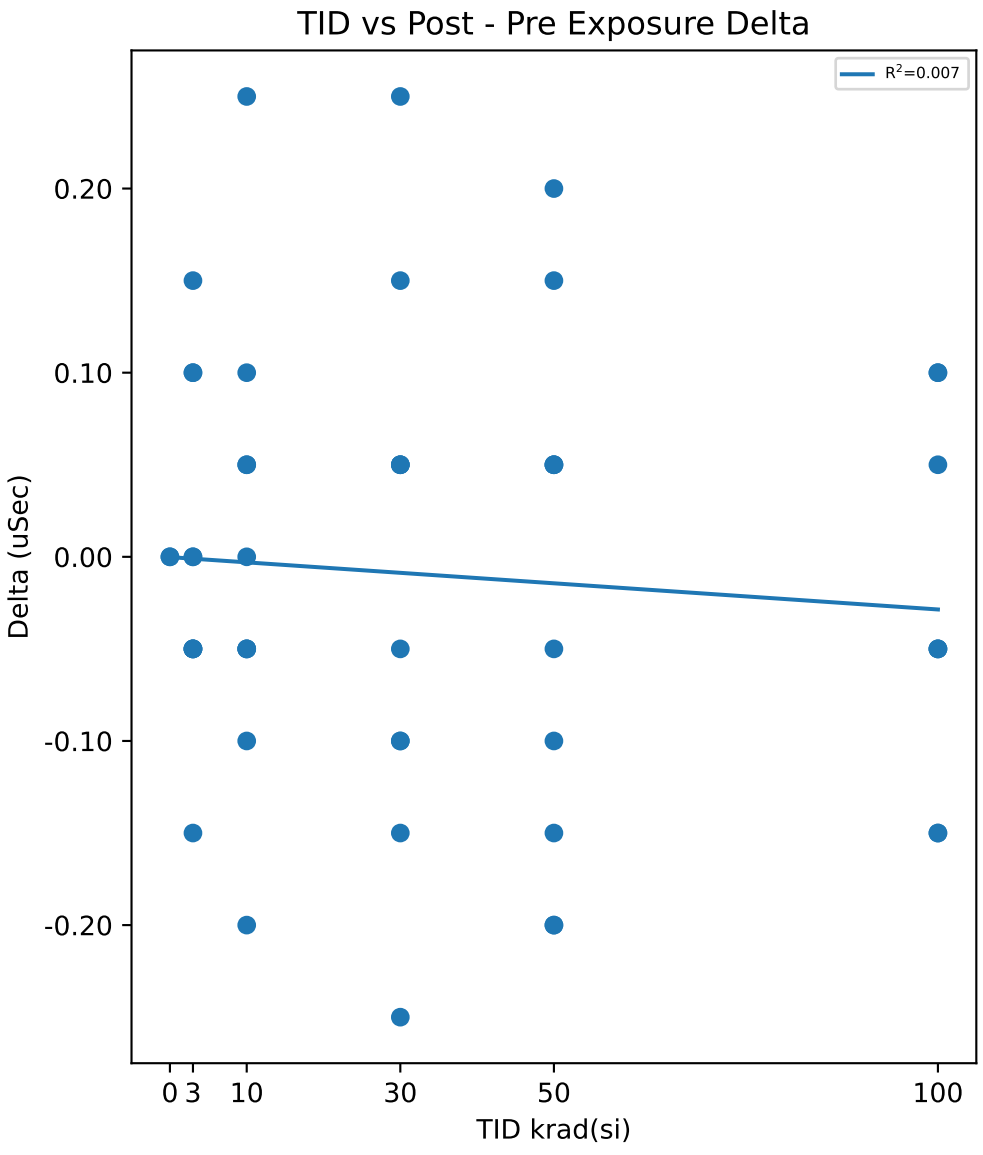
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.65 | 0.65 | 0 |
| 7 | 0 | Correlation | 0.85 | 0.85 | 0 |
| 16 | 3 | LDR-Biased | 0.7 | 1 | 0.3 |
| 18 | 3 | LDR-Biased | 0.9 | 0.95 | 0.05 |
| 19 | 3 | LDR-Biased | 0.95 | 0.75 | -0.2 |
| 20 | 3 | LDR-Biased | 0.6 | 0.85 | 0.25 |
| 21 | 3 | LDR-Biased | 0.9 | 0.9 | 0 |
| 22 | 3 | LDR-Unbiased | 0.9 | 0.85 | -0.05 |
| 23 | 3 | LDR-Unbiased | 0.75 | 0.85 | 0.1 |
| 25 | 3 | LDR-Unbiased | 0.7 | 0.85 | 0.15 |
| 26 | 3 | LDR-Unbiased | 0.9 | 0.7 | -0.2 |
| 27 | 3 | LDR-Unbiased | 0.8 | 0.75 | -0.05 |
| 46 | 10 | LDR-Biased | 0.7 | 0.95 | 0.25 |
| 48 | 10 | LDR-Biased | 0.9 | 0.75 | -0.15 |
| 49 | 10 | LDR-Biased | 0.95 | 0.75 | -0.2 |
| 50 | 10 | LDR-Biased | 0.6 | 0.9 | 0.3 |
| 51 | 10 | LDR-Biased | 0.9 | 0.75 | -0.15 |
| 52 | 10 | LDR-Unbiased | 0.9 | 0.85 | -0.05 |
| 53 | 10 | LDR-Unbiased | 0.75 | 0.9 | 0.15 |
| 55 | 10 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 56 | 10 | LDR-Unbiased | 0.9 | 0.85 | -0.05 |
| 57 | 10 | LDR-Unbiased | 0.8 | 0.9 | 0.1 |
| 76 | 30 | LDR-Biased | 0.7 | 0.8 | 0.1 |
| 78 | 30 | LDR-Biased | 0.9 | 0.85 | -0.05 |
| 79 | 30 | LDR-Biased | 0.95 | 0.85 | -0.1 |
| 80 | 30 | LDR-Biased | 0.6 | 0.7 | 0.1 |
| 81 | 30 | LDR-Biased | 0.9 | 0.85 | -0.05 |
| 82 | 30 | LDR-Unbiased | 0.9 | 0.7 | -0.2 |
| 83 | 30 | LDR-Unbiased | 0.75 | 0.85 | 0.1 |
| 84 | 30 | LDR-Unbiased | 0.8 | 0.85 | 0.05 |
| 85 | 30 | LDR-Unbiased | 0.7 | 0.75 | 0.05 |
| 86 | 30 | LDR-Unbiased | 0.9 | 0.85 | -0.05 |
| 87 | 100 | LDR-Biased | 0.8 | 0.9 | 0.1 |
| 88 | 100 | LDR-Biased | 0.75 | 0.9 | 0.15 |
| 90 | 100 | LDR-Biased | 0.6 | 0.75 | 0.15 |
| 91 | 100 | LDR-Unbiased | 0.95 | 1.05 | 0.1 |
| 93 | 100 | LDR-Unbiased | 0.85 | 0.65 | -0.2 |
| 94 | 100 | LDR-Unbiased | 0.85 | 0.8 | -0.05 |
| 95 | 100 | LDR-Unbiased | 0.9 | 0.8 | -0.1 |
| 96 | 100 | LDR-Unbiased | 0.6 | 0.9 | 0.3 |
| 106 | 50 | LDR-Biased | 0.7 | 0.85 | 0.15 |
| 108 | 50 | LDR-Biased | 0.9 | 0.85 | -0.05 |
| 109 | 50 | LDR-Biased | 0.95 | 0.8 | -0.15 |
| 110 | 50 | LDR-Biased | 0.6 | 0.85 | 0.25 |
| 111 | 50 | LDR-Biased | 0.9 | 0.9 | 0 |
| 112 | 50 | LDR-Unbiased | 0.9 | 0.9 | 0 |
| 113 | 50 | LDR-Unbiased | 0.75 | 0.7 | -0.05 |
| 115 | 50 | LDR-Unbiased | 0.7 | 1 | 0.3 |
| 116 | 50 | LDR-Unbiased | 0.9 | 0.65 | -0.25 |
| 117 | 50 | LDR-Unbiased | 0.8 | 1 | 0.2 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.65 | 0.75 | 0.85 | 0.14142 | 0.65 | 0.75 | 0.85 | 0.14142 | 0 | 0 | 0 | 0 |
| 3 | 0.6 | 0.81 | 0.95 | 0.11738 | 0.7 | 0.845 | 1 | 0.092646 | -0.2 | 0.035 | 0.3 | 0.17005 |
| 10 | 0.6 | 0.81 | 0.95 | 0.11738 | 0.75 | 0.835 | 0.95 | 0.078351 | -0.2 | 0.025 | 0.3 | 0.17361 |
| 30 | 0.6 | 0.81 | 0.95 | 0.11738 | 0.7 | 0.805 | 0.85 | 0.064334 | -0.2 | -0.005 | 0.1 | 0.10124 |
| 50 | 0.6 | 0.81 | 0.95 | 0.11738 | 0.65 | 0.85 | 1 | 0.11304 | -0.25 | 0.04 | 0.3 | 0.1792 |
| 100 | 0.6 | 0.7875 | 0.95 | 0.13025 | 0.65 | 0.84375 | 1.05 | 0.12082 | -0.2 | 0.05625 | 0.3 | 0.16133 |

# Device Test: 26.9 T_HOLD_FALL/SENSE1/3.3/3/0/0/0/@SENSE_FALL_HOLD_TIME_SEQ



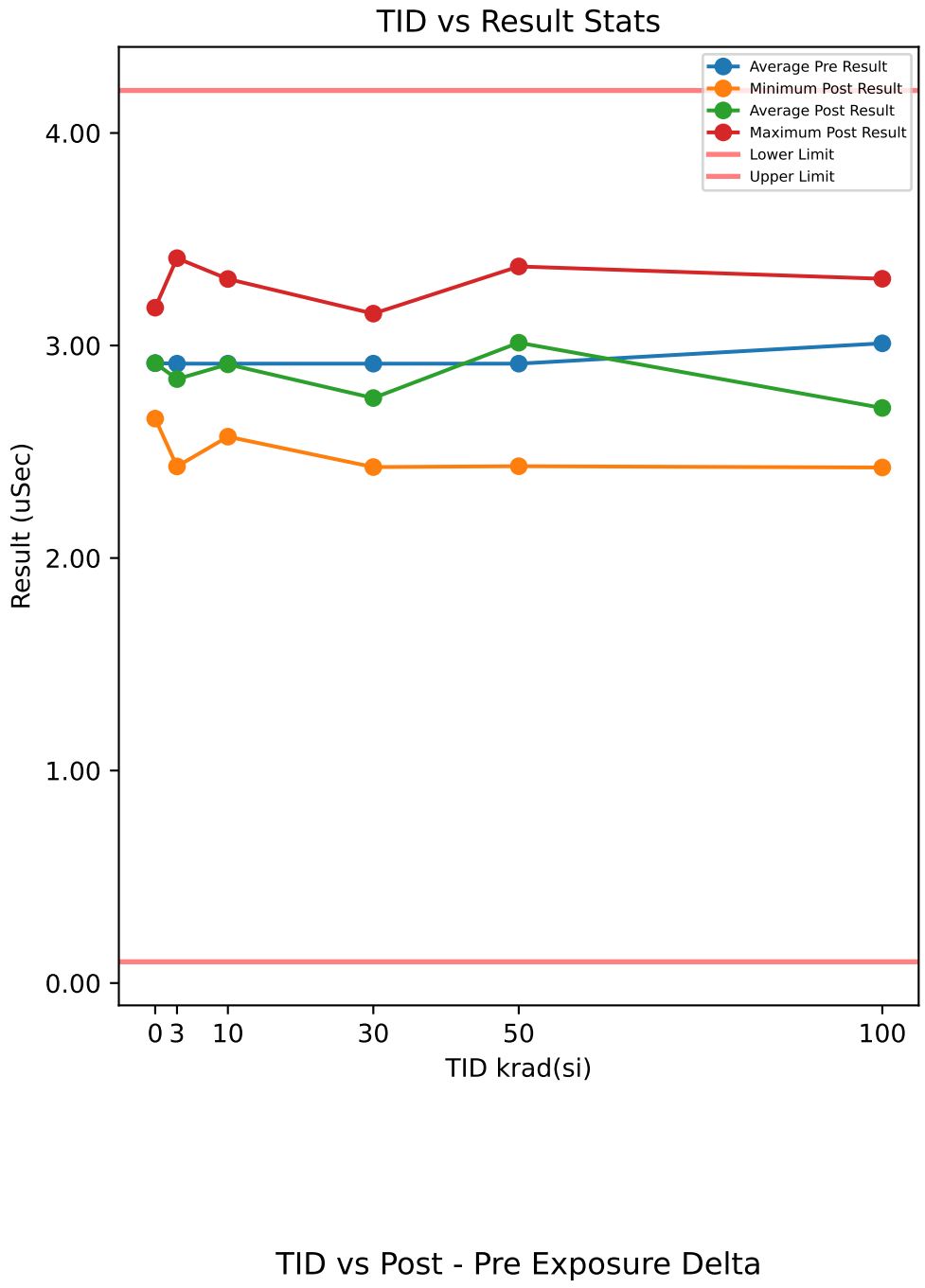

Test Results (Lower Limit = 0.0, Upper Limit = 0.95 (uSec))

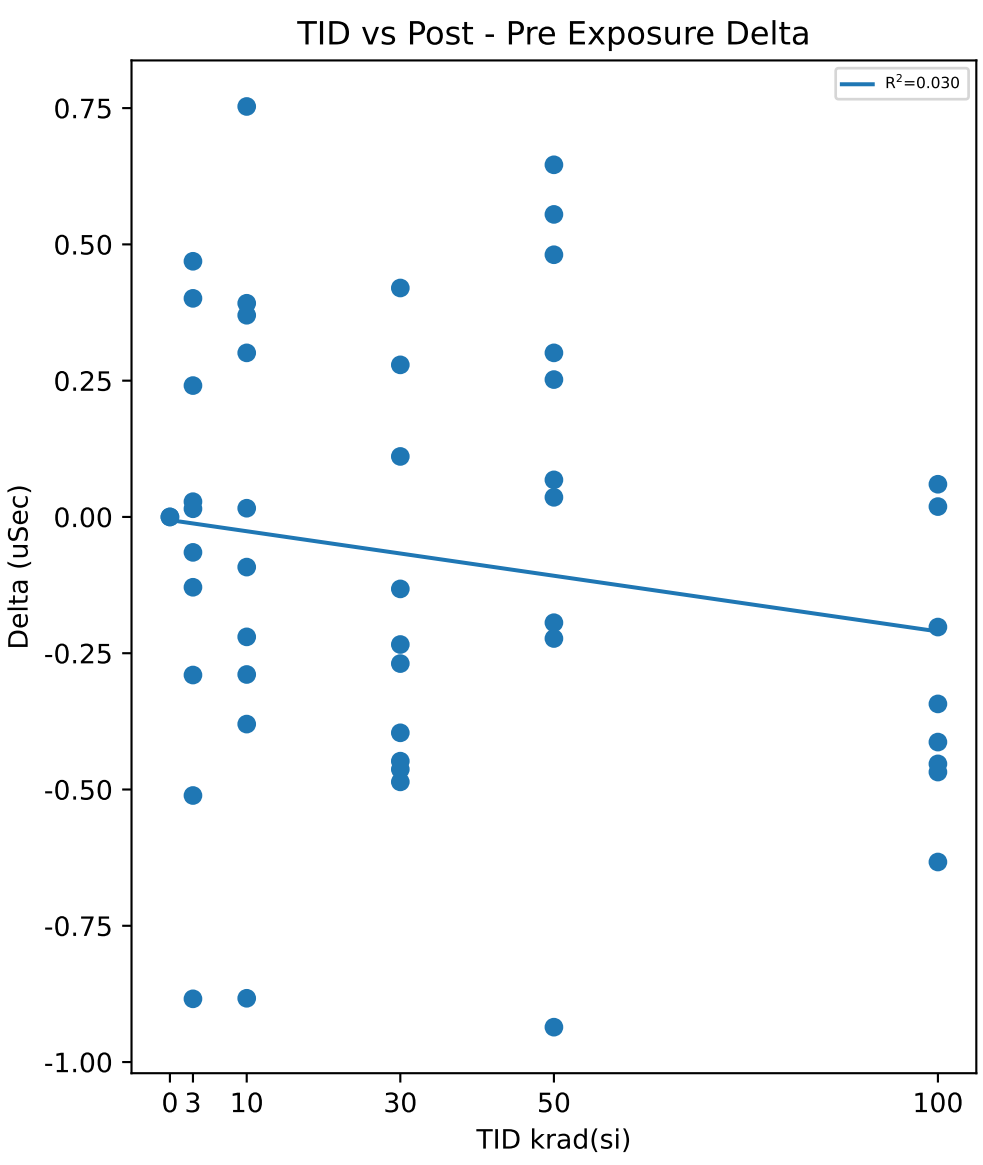
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.35 | 0.35 | 0 |
| 7 | 0 | Correlation | 0.45 | 0.45 | 0 |
| 16 | 3 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 18 | 3 | LDR-Biased | 0.4 | 0.25 | -0.15 |
| 19 | 3 | LDR-Biased | 0.15 | 0.25 | 0.1 |
| 20 | 3 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 21 | 3 | LDR-Biased | 0.15 | 0.25 | 0.1 |
| 22 | 3 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 23 | 3 | LDR-Unbiased | 0.35 | 0.3 | -0.05 |
| 25 | 3 | LDR-Unbiased | 0.3 | 0.3 | 0 |
| 26 | 3 | LDR-Unbiased | 0.3 | 0.45 | 0.15 |
| 27 | 3 | LDR-Unbiased | 0.4 | 0.4 | 0 |
| 46 | 10 | LDR-Biased | 0.25 | 0.3 | 0.05 |
| 48 | 10 | LDR-Biased | 0.4 | 0.3 | -0.1 |
| 49 | 10 | LDR-Biased | 0.15 | 0.25 | 0.1 |
| 50 | 10 | LDR-Biased | 0.25 | 0.25 | 0 |
| 51 | 10 | LDR-Biased | 0.15 | 0.4 | 0.25 |
| 52 | 10 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 53 | 10 | LDR-Unbiased | 0.35 | 0.4 | 0.05 |
| 55 | 10 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 56 | 10 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 57 | 10 | LDR-Unbiased | 0.4 | 0.2 | -0.2 |
| 76 | 30 | LDR-Biased | 0.25 | 0.5 | 0.25 |
| 78 | 30 | LDR-Biased | 0.4 | 0.3 | -0.1 |
| 79 | 30 | LDR-Biased | 0.15 | 0.2 | 0.05 |
| 80 | 30 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 81 | 30 | LDR-Biased | 0.15 | 0.3 | 0.15 |
| 82 | 30 | LDR-Unbiased | 0.25 | 0.3 | 0.05 |
| 83 | 30 | LDR-Unbiased | 0.35 | 0.2 | -0.15 |
| 84 | 30 | LDR-Unbiased | 0.4 | 0.15 | -0.25 |
| 85 | 30 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 86 | 30 | LDR-Unbiased | 0.3 | 0.2 | -0.1 |
| 87 | 100 | LDR-Biased | 0.35 | 0.2 | -0.15 |
| 88 | 100 | LDR-Biased | 0.2 | 0.3 | 0.1 |
| 90 | 100 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 91 | 100 | LDR-Unbiased | 0.2 | 0.25 | 0.05 |
| 93 | 100 | LDR-Unbiased | 0.4 | 0.25 | -0.15 |
| 94 | 100 | LDR-Unbiased | 0.25 | 0.2 | -0.05 |
| 95 | 100 | LDR-Unbiased | 0.2 | 0.3 | 0.1 |
| 96 | 100 | LDR-Unbiased | 0.3 | 0.25 | -0.05 |
| 106 | 50 | LDR-Biased | 0.25 | 0.45 | 0.2 |
| 108 | 50 | LDR-Biased | 0.4 | 0.2 | -0.2 |
| 109 | 50 | LDR-Biased | 0.15 | 0.2 | 0.05 |
| 110 | 50 | LDR-Biased | 0.25 | 0.2 | -0.05 |
| 111 | 50 | LDR-Biased | 0.15 | 0.3 | 0.15 |
| 112 | 50 | LDR-Unbiased | 0.25 | 0.15 | -0.1 |
| 113 | 50 | LDR-Unbiased | 0.35 | 0.15 | -0.2 |
| 115 | 50 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 116 | 50 | LDR-Unbiased | 0.3 | 0.35 | 0.05 |
| 117 | 50 | LDR-Unbiased | 0.4 | 0.25 | -0.15 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.35 | 0.4 | 0.45 | 0.070711 | 0.35 | 0.4 | 0.45 | 0.070711 | 0 | 0 | 0 | 0 |
| 3 | 0.15 | 0.28 | 0.4 | 0.088819 | 0.2 | 0.28 | 0.45 | 0.085635 | -0.15 | 5.5511e-18 | 0.15 | 0.091287 |
| 10 | 0.15 | 0.28 | 0.4 | 0.088819 | 0.2 | 0.28 | 0.4 | 0.071492 | -0.2 | 2.7756e-18 | 0.25 | 0.12247 |
| 30 | 0.15 | 0.28 | 0.4 | 0.088819 | 0.15 | 0.27 | 0.5 | 0.10328 | -0.25 | -0.01 | 0.25 | 0.1487 |
| 50 | 0.15 | 0.28 | 0.4 | 0.088819 | 0.15 | 0.26 | 0.45 | 0.099443 | -0.2 | -0.02 | 0.2 | 0.14181 |
| 100 | 0.2 | 0.26875 | 0.4 | 0.075297 | 0.2 | 0.24375 | 0.3 | 0.041726 | -0.15 | -0.025 | 0.1 | 0.1 |

# Device Test: 27.1 TPD_SM_FAULT/SENSE1/3.3/3/0/0/0/@SM_F_PROP_DELAY



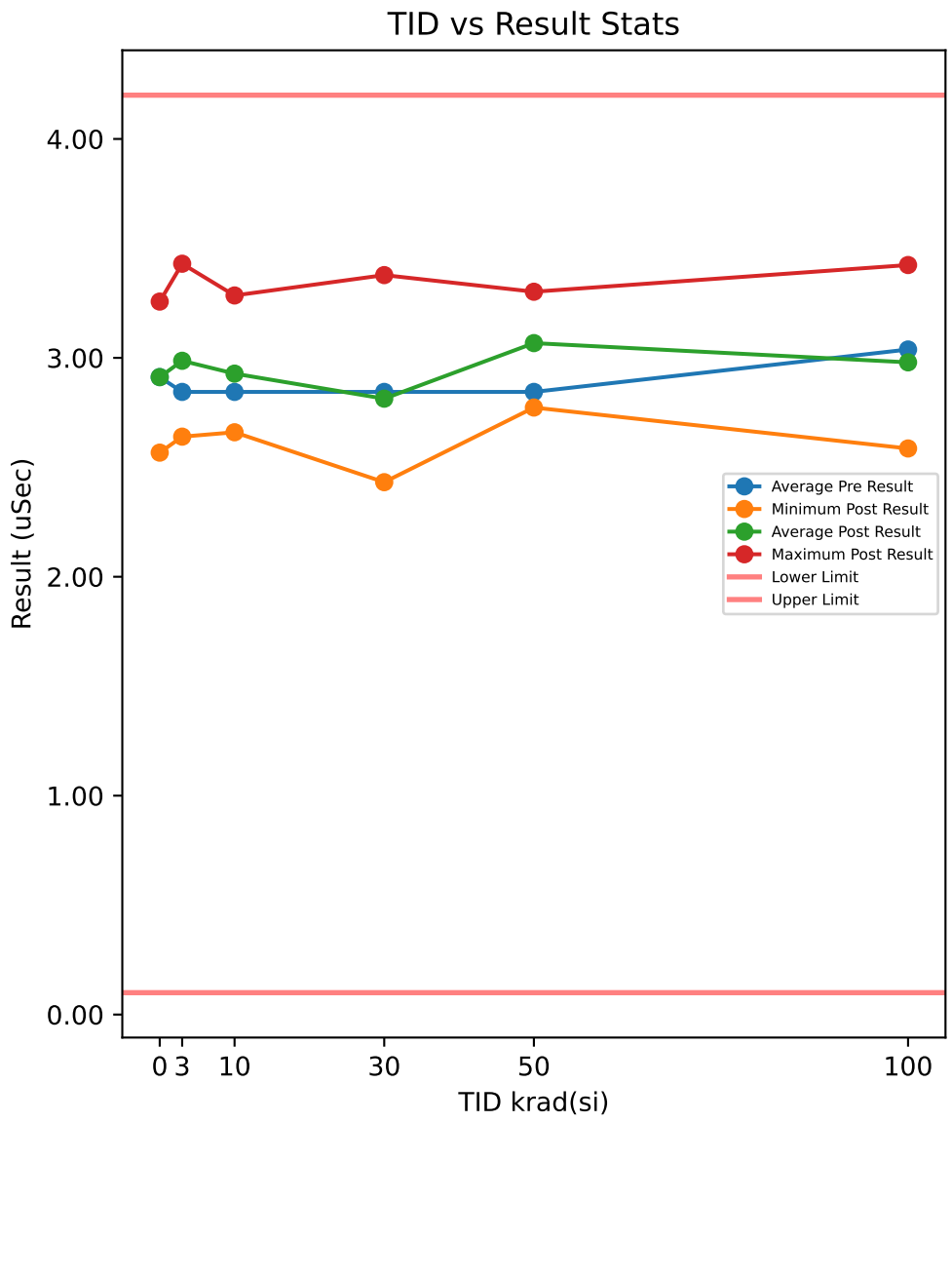

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

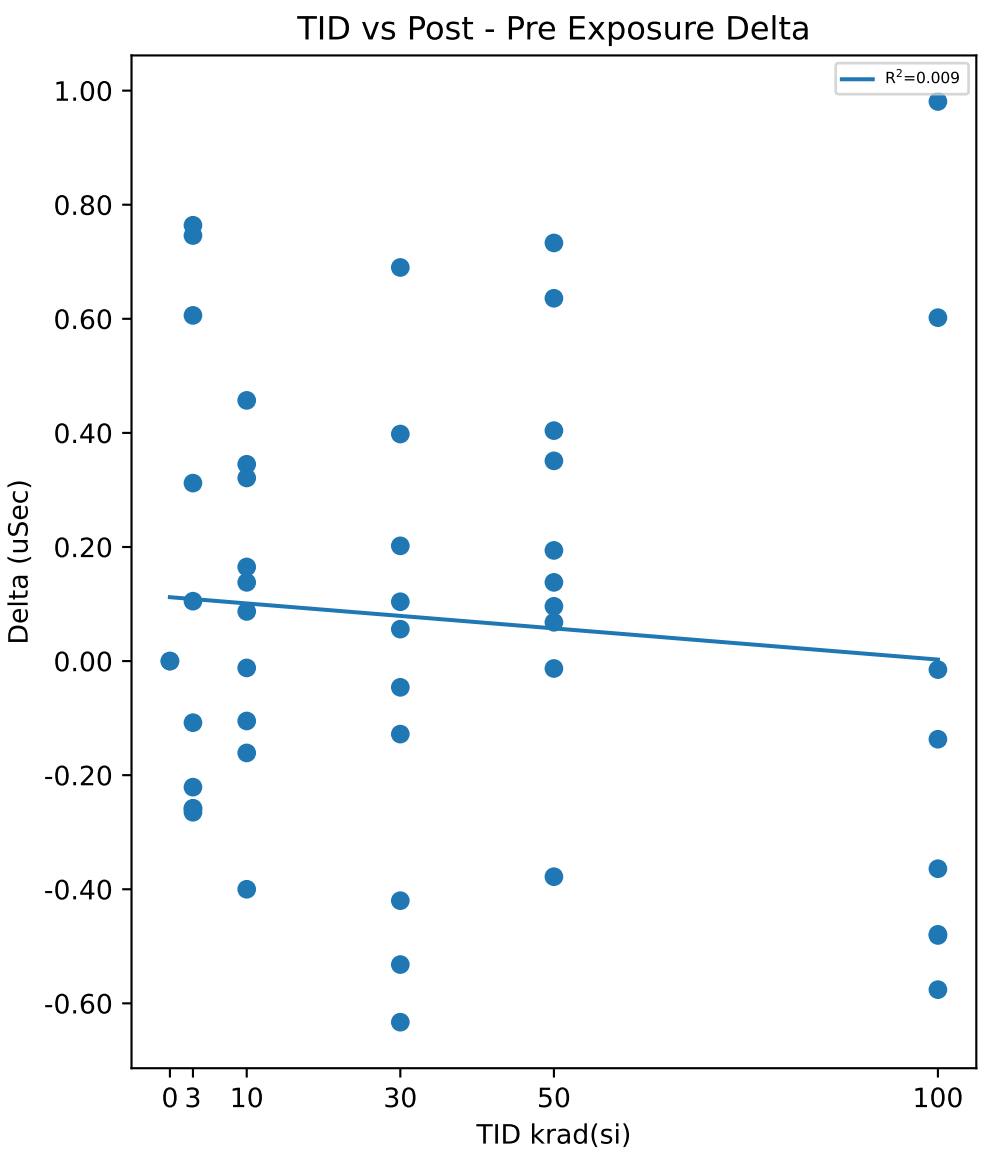
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.178 | 3.178 | 0 |
| 7 | 0 | Correlation | 2.656 | 2.656 | 0 |
| 16 | 3 | LDR-Biased | 2.629 | 2.644 | 0.015 |
| 18 | 3 | LDR-Biased | 2.942 | 3.411 | 0.469 |
| 19 | 3 | LDR-Biased | 3.454 | 2.57 | -0.884 |
| 20 | 3 | LDR-Biased | 2.464 | 2.865 | 0.401 |
| 21 | 3 | LDR-Biased | 3.039 | 2.749 | -0.29 |
| 22 | 3 | LDR-Unbiased | 2.56 | 2.431 | -0.129 |
| 23 | 3 | LDR-Unbiased | 3.205 | 3.14 | -0.065 |
| 25 | 3 | LDR-Unbiased | 3.368 | 2.857 | -0.511 |
| 26 | 3 | LDR-Unbiased | 2.726 | 2.967 | 0.241 |
| 27 | 3 | LDR-Unbiased | 2.759 | 2.787 | 0.028 |
| 46 | 10 | LDR-Biased | 2.629 | 2.999 | 0.37 |
| 48 | 10 | LDR-Biased | 2.942 | 2.653 | -0.289 |
| 49 | 10 | LDR-Biased | 3.454 | 2.571 | -0.883 |
| 50 | 10 | LDR-Biased | 2.464 | 2.765 | 0.301 |
| 51 | 10 | LDR-Biased | 3.039 | 3.055 | 0.016 |
| 52 | 10 | LDR-Unbiased | 2.56 | 3.313 | 0.753 |
| 53 | 10 | LDR-Unbiased | 3.205 | 2.985 | -0.22 |
| 55 | 10 | LDR-Unbiased | 3.368 | 2.988 | -0.38 |
| 56 | 10 | LDR-Unbiased | 2.726 | 2.634 | -0.092 |
| 57 | 10 | LDR-Unbiased | 2.759 | 3.151 | 0.392 |
| 76 | 30 | LDR-Biased | 2.629 | 2.908 | 0.279 |
| 78 | 30 | LDR-Biased | 2.942 | 2.494 | -0.448 |
| 79 | 30 | LDR-Biased | 3.454 | 2.968 | -0.486 |
| 80 | 30 | LDR-Biased | 2.464 | 2.884 | 0.42 |
| 81 | 30 | LDR-Biased | 3.039 | 3.15 | 0.111 |
| 82 | 30 | LDR-Unbiased | 2.56 | 2.428 | -0.132 |
| 83 | 30 | LDR-Unbiased | 3.205 | 2.809 | -0.396 |
| 84 | 30 | LDR-Unbiased | 2.759 | 2.525 | -0.234 |
| 85 | 30 | LDR-Unbiased | 3.368 | 2.905 | -0.463 |
| 86 | 30 | LDR-Unbiased | 2.726 | 2.457 | -0.269 |
| 87 | 100 | LDR-Biased | 2.864 | 2.521 | -0.343 |
| 88 | 100 | LDR-Biased | 2.619 | 2.638 | 0.019 |
| 90 | 100 | LDR-Biased | 3.254 | 3.314 | 0.06 |
| 91 | 100 | LDR-Unbiased | 3.276 | 2.823 | -0.453 |
| 93 | 100 | LDR-Unbiased | 2.913 | 2.711 | -0.202 |
| 94 | 100 | LDR-Unbiased | 3.059 | 2.426 | -0.633 |
| 95 | 100 | LDR-Unbiased | 3.181 | 2.713 | -0.468 |
| 96 | 100 | LDR-Unbiased | 2.916 | 2.503 | -0.413 |
| 106 | 50 | LDR-Biased | 2.629 | 2.697 | 0.068 |
| 108 | 50 | LDR-Biased | 2.942 | 3.194 | 0.252 |
| 109 | 50 | LDR-Biased | 3.454 | 3.26 | -0.194 |
| 110 | 50 | LDR-Biased | 2.464 | 2.765 | 0.301 |
| 111 | 50 | LDR-Biased | 3.039 | 2.816 | -0.223 |
| 112 | 50 | LDR-Unbiased | 2.56 | 3.115 | 0.555 |
| 113 | 50 | LDR-Unbiased | 3.205 | 3.241 | 0.036 |
| 115 | 50 | LDR-Unbiased | 3.368 | 2.432 | -0.936 |
| 116 | 50 | LDR-Unbiased | 2.726 | 3.372 | 0.646 |
| 117 | 50 | LDR-Unbiased | 2.759 | 3.24 | 0.481 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.656 | 2.917 | 3.178 | 0.36911 | 2.656 | 2.917 | 3.178 | 0.36911 | 0 | 0 | 0 | 0 |
| 3 | 2.464 | 2.9146 | 3.454 | 0.34435 | 2.431 | 2.8421 | 3.411 | 0.28338 | -0.884 | -0.0725 | 0.469 | 0.41296 |
| 10 | 2.464 | 2.9146 | 3.454 | 0.34435 | 2.571 | 2.9114 | 3.313 | 0.24479 | -0.883 | -0.0032 | 0.753 | 0.47291 |
| 30 | 2.464 | 2.9146 | 3.454 | 0.34435 | 2.428 | 2.7528 | 3.15 | 0.25464 | -0.486 | -0.1618 | 0.42 | 0.32616 |
| 50 | 2.464 | 2.9146 | 3.454 | 0.34435 | 2.432 | 3.0132 | 3.372 | 0.31168 | -0.936 | 0.0986 | 0.646 | 0.46939 |
| 100 | 2.619 | 3.0103 | 3.276 | 0.225 | 2.426 | 2.7061 | 3.314 | 0.27823 | -0.633 | -0.30412 | 0.06 | 0.24436 |

# Device Test: 27.2 TPD_SM_FAULT/SENSE2/3.3/3/0/0/0/@SM_F_PROP_DELAY



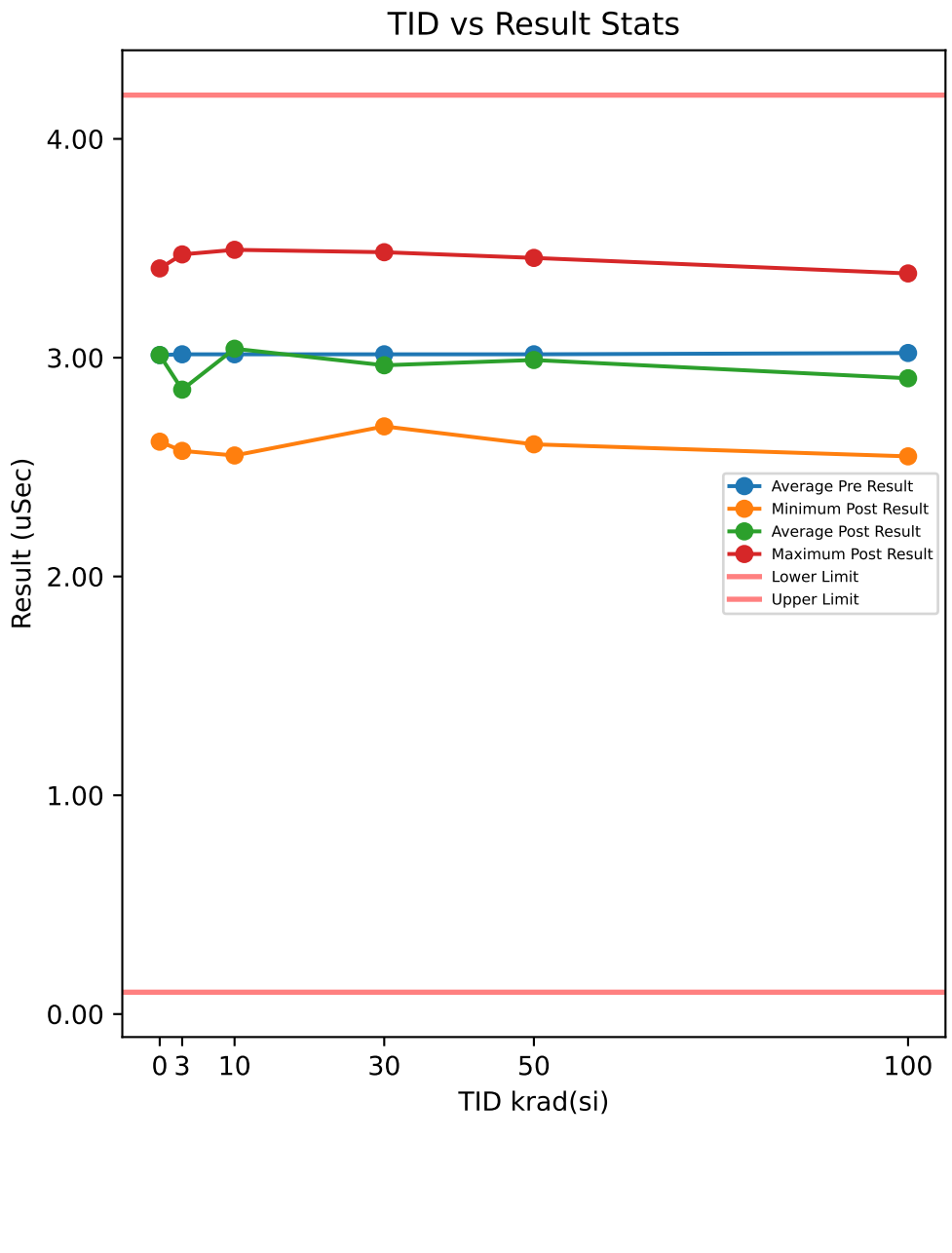

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

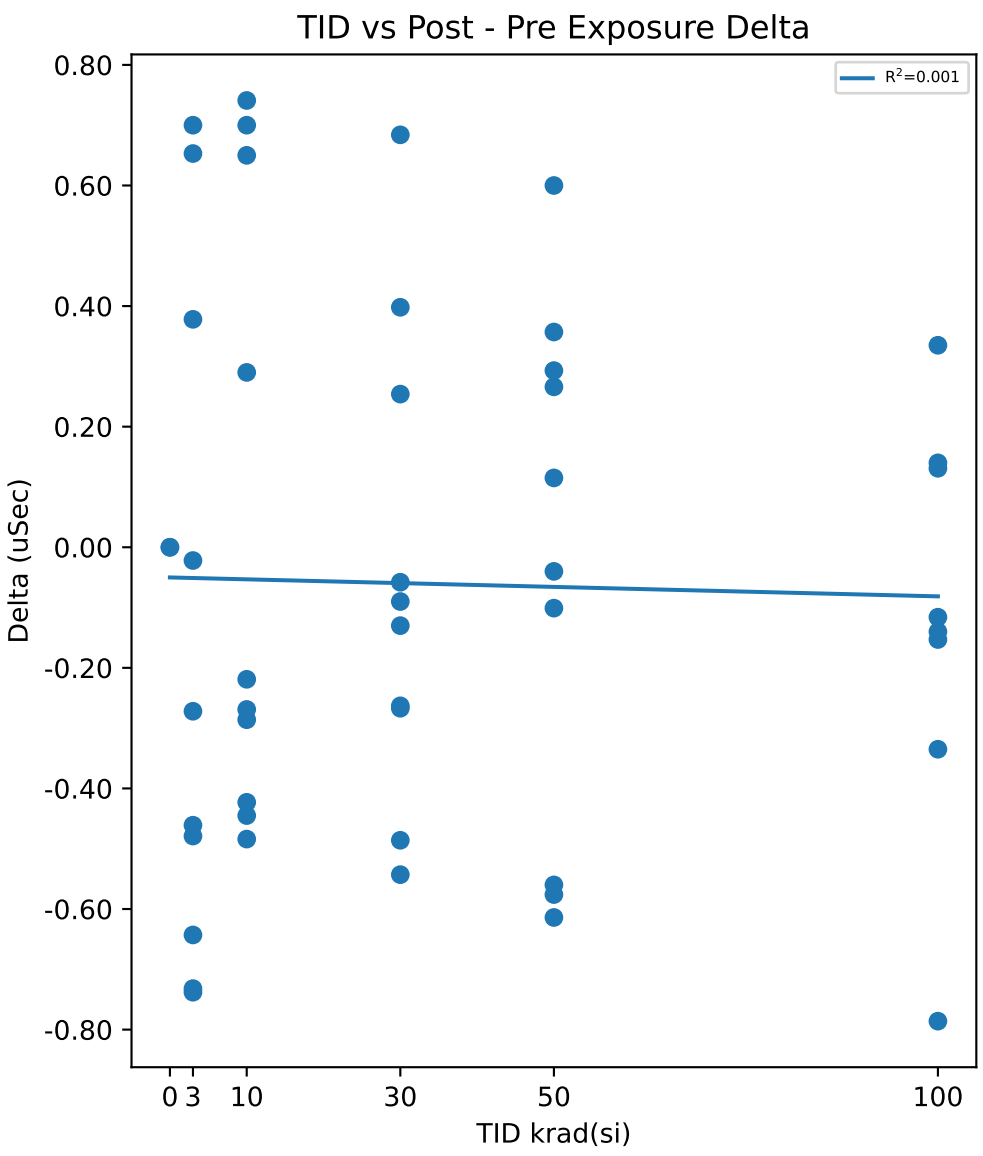
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.257 | 3.257 | 0 |
| 7 | 0 | Correlation | 2.567 | 2.567 | 0 |
| 16 | 3 | LDR-Biased | 3.114 | 3.219 | 0.105 |
| 18 | 3 | LDR-Biased | 3.147 | 2.889 | -0.258 |
| 19 | 3 | LDR-Biased | 2.914 | 2.649 | -0.265 |
| 20 | 3 | LDR-Biased | 2.688 | 3 | 0.312 |
| 21 | 3 | LDR-Biased | 2.964 | 2.705 | -0.259 |
| 22 | 3 | LDR-Unbiased | 3.151 | 2.93 | -0.221 |
| 23 | 3 | LDR-Unbiased | 2.666 | 3.43 | 0.764 |
| 25 | 3 | LDR-Unbiased | 2.748 | 2.64 | -0.108 |
| 26 | 3 | LDR-Unbiased | 2.53 | 3.276 | 0.746 |
| 27 | 3 | LDR-Unbiased | 2.522 | 3.128 | 0.606 |
| 46 | 10 | LDR-Biased | 3.114 | 2.953 | -0.161 |
| 48 | 10 | LDR-Biased | 3.147 | 2.747 | -0.4 |
| 49 | 10 | LDR-Biased | 2.914 | 3.001 | 0.087 |
| 50 | 10 | LDR-Biased | 2.688 | 3.145 | 0.457 |
| 51 | 10 | LDR-Biased | 2.964 | 3.285 | 0.321 |
| 52 | 10 | LDR-Unbiased | 3.151 | 3.046 | -0.105 |
| 53 | 10 | LDR-Unbiased | 2.666 | 2.831 | 0.165 |
| 55 | 10 | LDR-Unbiased | 2.748 | 2.736 | -0.012 |
| 56 | 10 | LDR-Unbiased | 2.53 | 2.875 | 0.345 |
| 57 | 10 | LDR-Unbiased | 2.522 | 2.66 | 0.138 |
| 76 | 30 | LDR-Biased | 3.114 | 3.17 | 0.056 |
| 78 | 30 | LDR-Biased | 3.147 | 2.727 | -0.42 |
| 79 | 30 | LDR-Biased | 2.914 | 2.868 | -0.046 |
| 80 | 30 | LDR-Biased | 2.688 | 3.378 | 0.69 |
| 81 | 30 | LDR-Biased | 2.964 | 2.432 | -0.532 |
| 82 | 30 | LDR-Unbiased | 3.151 | 2.518 | -0.633 |
| 83 | 30 | LDR-Unbiased | 2.666 | 2.538 | -0.128 |
| 84 | 30 | LDR-Unbiased | 2.522 | 2.724 | 0.202 |
| 85 | 30 | LDR-Unbiased | 2.748 | 3.146 | 0.398 |
| 86 | 30 | LDR-Unbiased | 2.53 | 2.634 | 0.104 |
| 87 | 100 | LDR-Biased | 3.364 | 3.227 | -0.137 |
| 88 | 100 | LDR-Biased | 3.343 | 2.767 | -0.576 |
| 90 | 100 | LDR-Biased | 2.881 | 2.866 | -0.015 |
| 91 | 100 | LDR-Unbiased | 2.443 | 3.424 | 0.981 |
| 93 | 100 | LDR-Unbiased | 3.384 | 2.903 | -0.481 |
| 94 | 100 | LDR-Unbiased | 2.632 | 3.234 | 0.602 |
| 95 | 100 | LDR-Unbiased | 3.065 | 2.586 | -0.479 |
| 96 | 100 | LDR-Unbiased | 3.193 | 2.829 | -0.364 |
| 106 | 50 | LDR-Biased | 3.114 | 3.21 | 0.096 |
| 108 | 50 | LDR-Biased | 3.147 | 3.134 | -0.013 |
| 109 | 50 | LDR-Biased | 2.914 | 3.265 | 0.351 |
| 110 | 50 | LDR-Biased | 2.688 | 2.882 | 0.194 |
| 111 | 50 | LDR-Biased | 2.964 | 3.102 | 0.138 |
| 112 | 50 | LDR-Unbiased | 3.151 | 2.773 | -0.378 |
| 113 | 50 | LDR-Unbiased | 2.666 | 3.302 | 0.636 |
| 115 | 50 | LDR-Unbiased | 2.748 | 2.816 | 0.068 |
| 116 | 50 | LDR-Unbiased | 2.53 | 2.934 | 0.404 |
| 117 | 50 | LDR-Unbiased | 2.522 | 3.255 | 0.733 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.567 | 2.912 | 3.257 | 0.4879 | 2.567 | 2.912 | 3.257 | 0.4879 | 0 | 0 | 0 | 0 |
| 3 | 2.522 | 2.8444 | 3.151 | 0.24625 | 2.64 | 2.9866 | 3.43 | 0.27501 | -0.265 | 0.1422 | 0.764 | 0.43179 |
| 10 | 2.522 | 2.8444 | 3.151 | 0.24625 | 2.66 | 2.9279 | 3.285 | 0.19666 | -0.4 | 0.0835 | 0.457 | 0.26079 |
| 30 | 2.522 | 2.8444 | 3.151 | 0.24625 | 2.432 | 2.8135 | 3.378 | 0.31898 | -0.633 | -0.0309 | 0.69 | 0.41611 |
| 50 | 2.522 | 2.8444 | 3.151 | 0.24625 | 2.773 | 3.0673 | 3.302 | 0.19924 | -0.378 | 0.2229 | 0.733 | 0.32403 |
| 100 | 2.443 | 3.0381 | 3.384 | 0.35603 | 2.586 | 2.9795 | 3.424 | 0.2841 | -0.576 | -0.058625 | 0.981 | 0.56585 |

# Device Test: 27.3 TPD_SM_FAULT/SENSE3/3.3/3/0/0/0/@SM_F_PROP_DELAY



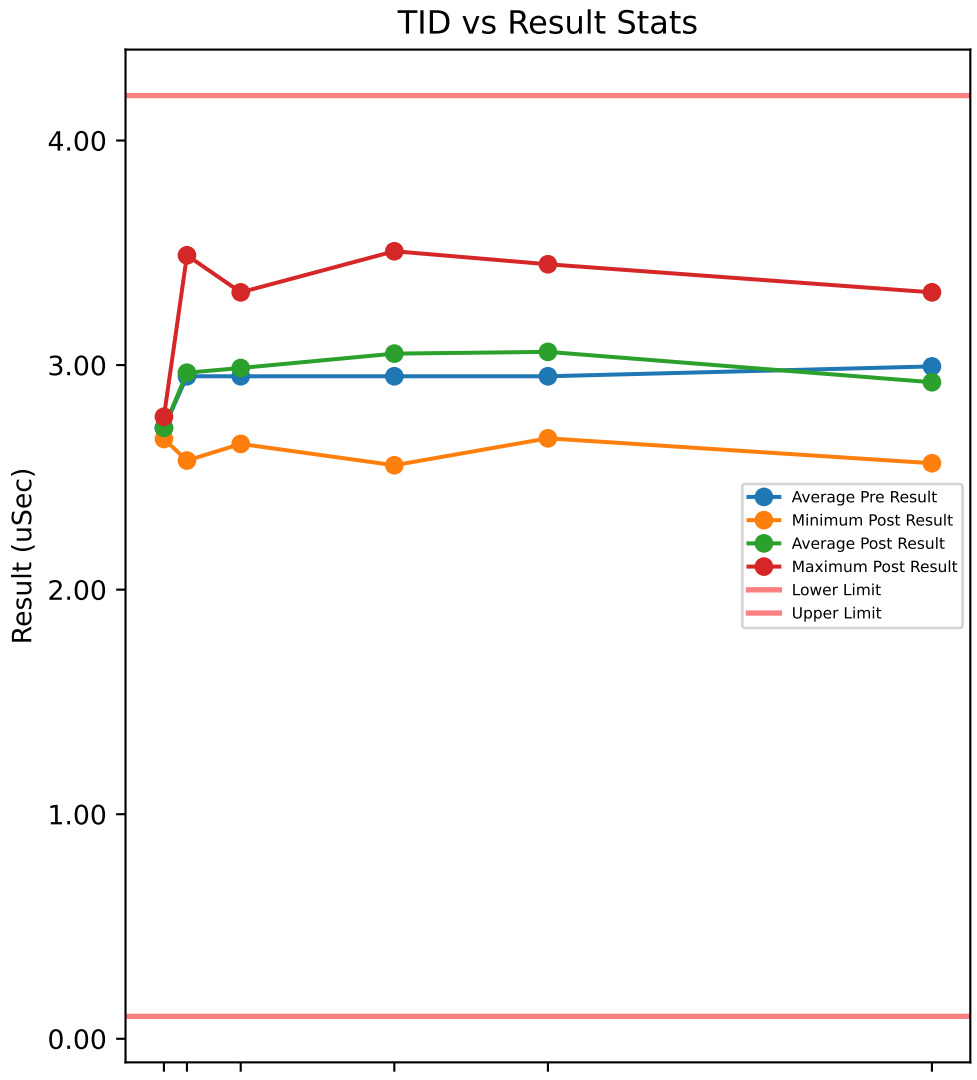

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

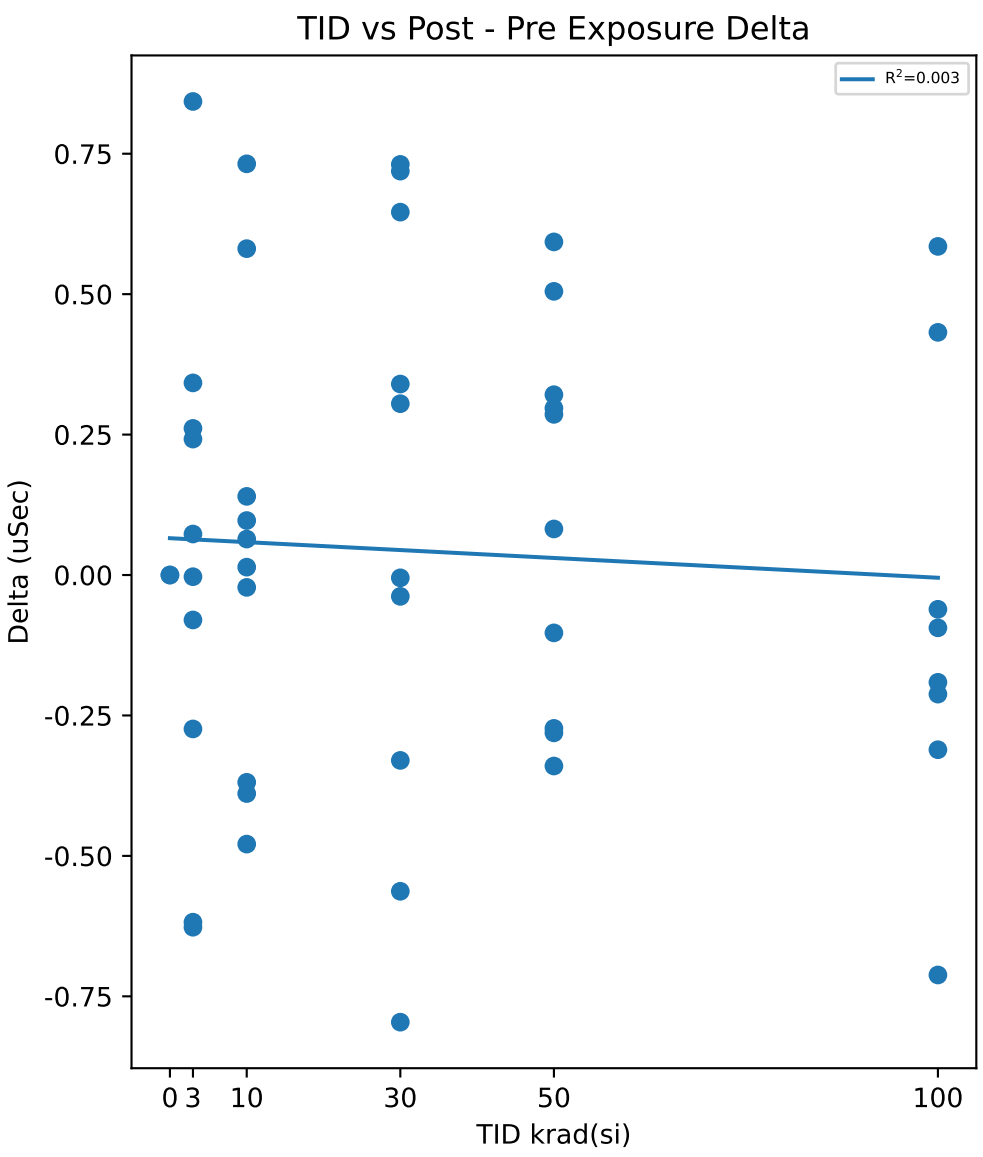
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.408 | 3.408 | 0 |
| 7 | 0 | Correlation | 2.616 | 2.616 | 0 |
| 16 | 3 | LDR-Biased | 3.084 | 2.812 | -0.272 |
| 18 | 3 | LDR-Biased | 2.772 | 3.472 | 0.7 |
| 19 | 3 | LDR-Biased | 3.437 | 2.699 | -0.738 |
| 20 | 3 | LDR-Biased | 2.793 | 3.171 | 0.378 |
| 21 | 3 | LDR-Biased | 3.099 | 2.62 | -0.479 |
| 22 | 3 | LDR-Unbiased | 3.306 | 2.574 | -0.732 |
| 23 | 3 | LDR-Unbiased | 2.644 | 2.622 | -0.022 |
| 25 | 3 | LDR-Unbiased | 3.229 | 2.586 | -0.643 |
| 26 | 3 | LDR-Unbiased | 3.098 | 2.637 | -0.461 |
| 27 | 3 | LDR-Unbiased | 2.692 | 3.345 | 0.653 |
| 46 | 10 | LDR-Biased | 3.084 | 3.374 | 0.29 |
| 48 | 10 | LDR-Biased | 2.772 | 2.553 | -0.219 |
| 49 | 10 | LDR-Biased | 3.437 | 3.151 | -0.286 |
| 50 | 10 | LDR-Biased | 2.793 | 3.493 | 0.7 |
| 51 | 10 | LDR-Biased | 3.099 | 2.676 | -0.423 |
| 52 | 10 | LDR-Unbiased | 3.306 | 2.861 | -0.445 |
| 53 | 10 | LDR-Unbiased | 2.644 | 3.385 | 0.741 |
| 55 | 10 | LDR-Unbiased | 3.229 | 2.96 | -0.269 |
| 56 | 10 | LDR-Unbiased | 3.098 | 2.614 | -0.484 |
| 57 | 10 | LDR-Unbiased | 2.692 | 3.342 | 0.65 |
| 76 | 30 | LDR-Biased | 3.084 | 3.482 | 0.398 |
| 78 | 30 | LDR-Biased | 2.772 | 2.714 | -0.058 |
| 79 | 30 | LDR-Biased | 3.437 | 3.17 | -0.267 |
| 80 | 30 | LDR-Biased | 2.793 | 2.703 | -0.09 |
| 81 | 30 | LDR-Biased | 3.099 | 2.836 | -0.263 |
| 82 | 30 | LDR-Unbiased | 3.306 | 2.82 | -0.486 |
| 83 | 30 | LDR-Unbiased | 2.644 | 3.328 | 0.684 |
| 84 | 30 | LDR-Unbiased | 2.692 | 2.946 | 0.254 |
| 85 | 30 | LDR-Unbiased | 3.229 | 2.686 | -0.543 |
| 86 | 30 | LDR-Unbiased | 3.098 | 2.968 | -0.13 |
| 87 | 100 | LDR-Biased | 2.674 | 2.814 | 0.14 |
| 88 | 100 | LDR-Biased | 2.796 | 2.643 | -0.153 |
| 90 | 100 | LDR-Biased | 3.335 | 2.549 | -0.786 |
| 91 | 100 | LDR-Unbiased | 3.031 | 3.366 | 0.335 |
| 93 | 100 | LDR-Unbiased | 3.198 | 2.863 | -0.335 |
| 94 | 100 | LDR-Unbiased | 3.501 | 3.385 | -0.116 |
| 95 | 100 | LDR-Unbiased | 3.09 | 2.95 | -0.14 |
| 96 | 100 | LDR-Unbiased | 2.546 | 2.677 | 0.131 |
| 106 | 50 | LDR-Biased | 3.084 | 3.377 | 0.293 |
| 108 | 50 | LDR-Biased | 2.772 | 3.372 | 0.6 |
| 109 | 50 | LDR-Biased | 3.437 | 2.877 | -0.56 |
| 110 | 50 | LDR-Biased | 2.793 | 2.908 | 0.115 |
| 111 | 50 | LDR-Biased | 3.099 | 3.456 | 0.357 |
| 112 | 50 | LDR-Unbiased | 3.306 | 2.692 | -0.614 |
| 113 | 50 | LDR-Unbiased | 2.644 | 2.604 | -0.04 |
| 115 | 50 | LDR-Unbiased | 3.229 | 2.653 | -0.576 |
| 116 | 50 | LDR-Unbiased | 3.098 | 2.997 | -0.101 |
| 117 | 50 | LDR-Unbiased | 2.692 | 2.958 | 0.266 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.616 | 3.012 | 3.408 | 0.56003 | 2.616 | 3.012 | 3.408 | 0.56003 | 0 | 0 | 0 | 0 |
| 3 | 2.644 | 3.0154 | 3.437 | 0.27438 | 2.574 | 2.8538 | 3.472 | 0.34241 | -0.738 | -0.1616 | 0.7 | 0.55862 |
| 10 | 2.644 | 3.0154 | 3.437 | 0.27438 | 2.553 | 3.0409 | 3.493 | 0.35416 | -0.484 | 0.0255 | 0.741 | 0.51126 |
| 30 | 2.644 | 3.0154 | 3.437 | 0.27438 | 2.686 | 2.9653 | 3.482 | 0.27661 | -0.543 | -0.0501 | 0.684 | 0.38952 |
| 50 | 2.644 | 3.0154 | 3.437 | 0.27438 | 2.604 | 2.9894 | 3.456 | 0.31354 | -0.614 | -0.026 | 0.6 | 0.43265 |
| 100 | 2.546 | 3.0214 | 3.501 | 0.3299 | 2.549 | 2.9059 | 3.385 | 0.31676 | -0.786 | -0.1155 | 0.335 | 0.34408 |

# Device Test: 27.4 TPD_SM_FAULT/SENSE4/3.3/3/0/0/0/@SM_F_PROP_DELAY



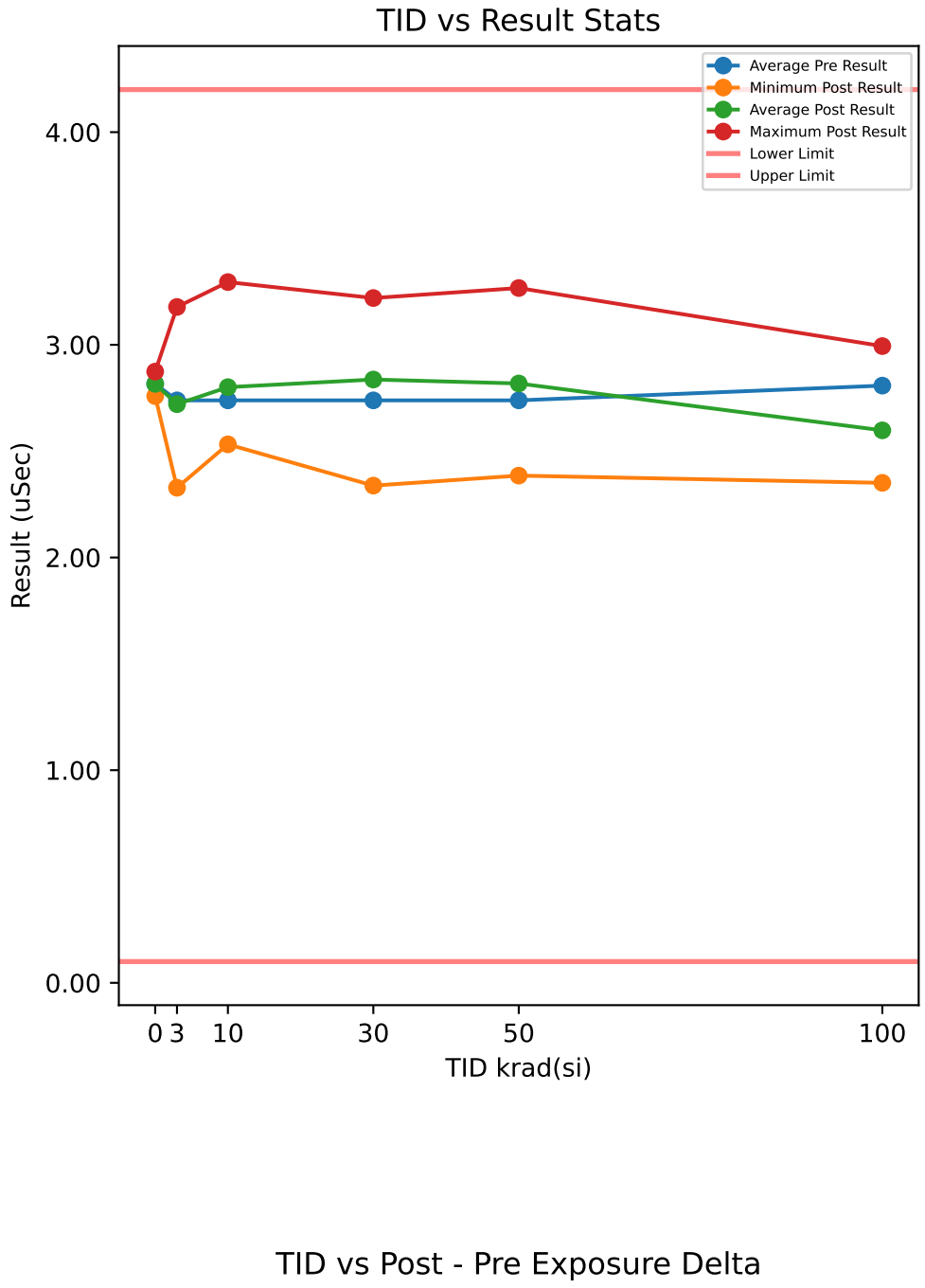

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

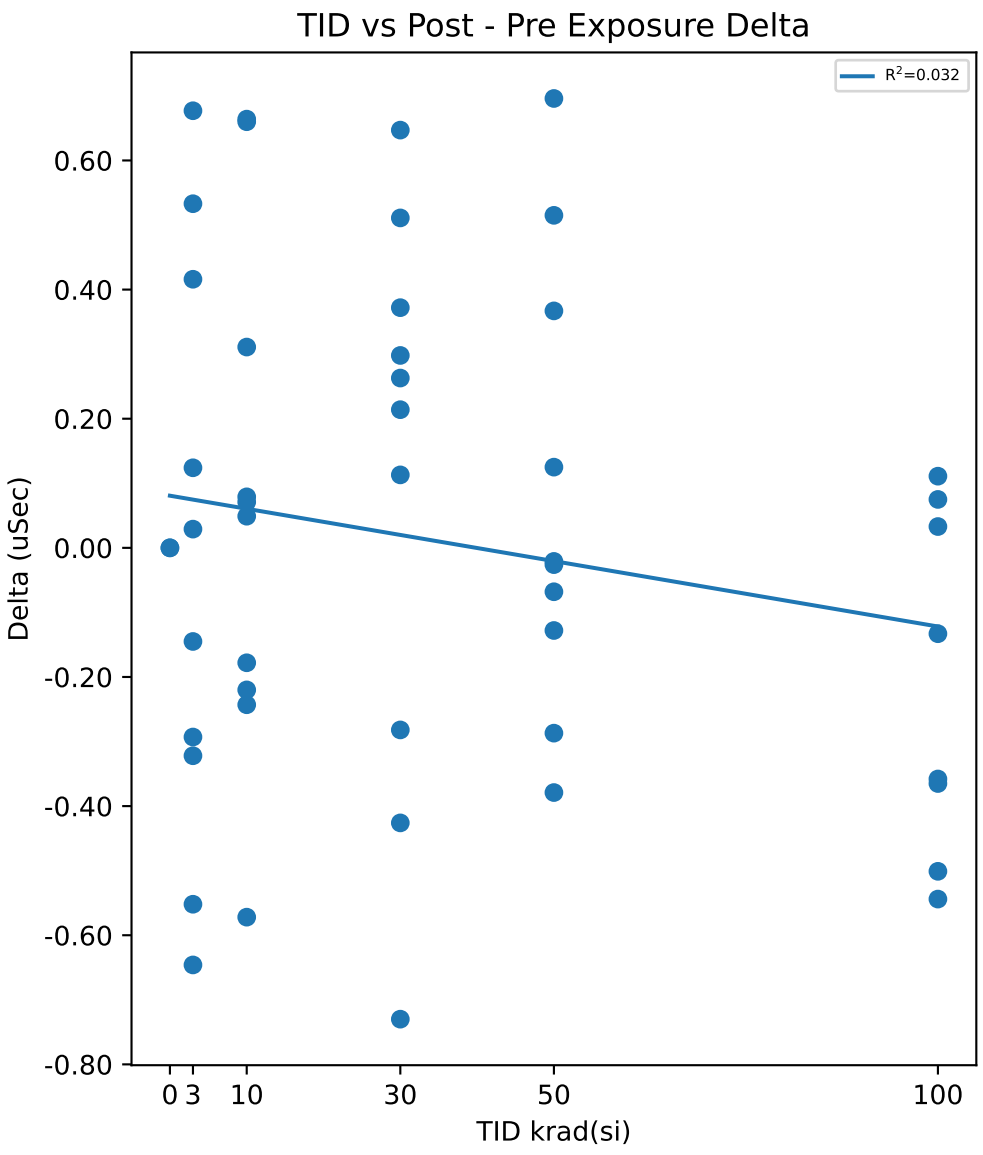
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.77 | 2.77 | 0 |
| 7 | 0 | Correlation | 2.671 | 2.671 | 0 |
| 16 | 3 | LDR-Biased | 3.128 | 3.47 | 0.342 |
| 18 | 3 | LDR-Biased | 2.646 | 3.489 | 0.843 |
| 19 | 3 | LDR-Biased | 2.81 | 3.052 | 0.242 |
| 20 | 3 | LDR-Biased | 3.261 | 2.643 | -0.618 |
| 21 | 3 | LDR-Biased | 2.593 | 2.59 | -0.003 |
| 22 | 3 | LDR-Unbiased | 2.713 | 2.786 | 0.073 |
| 23 | 3 | LDR-Unbiased | 3.543 | 3.269 | -0.274 |
| 25 | 3 | LDR-Unbiased | 3.014 | 2.934 | -0.08 |
| 26 | 3 | LDR-Unbiased | 2.592 | 2.853 | 0.261 |
| 27 | 3 | LDR-Unbiased | 3.202 | 2.575 | -0.627 |
| 46 | 10 | LDR-Biased | 3.128 | 2.649 | -0.479 |
| 48 | 10 | LDR-Biased | 2.646 | 3.227 | 0.581 |
| 49 | 10 | LDR-Biased | 2.81 | 2.824 | 0.014 |
| 50 | 10 | LDR-Biased | 3.261 | 3.239 | -0.022 |
| 51 | 10 | LDR-Biased | 2.593 | 2.657 | 0.064 |
| 52 | 10 | LDR-Unbiased | 2.713 | 2.853 | 0.14 |
| 53 | 10 | LDR-Unbiased | 3.543 | 3.154 | -0.389 |
| 55 | 10 | LDR-Unbiased | 3.014 | 3.111 | 0.097 |
| 56 | 10 | LDR-Unbiased | 2.592 | 3.324 | 0.732 |
| 57 | 10 | LDR-Unbiased | 3.202 | 2.833 | -0.369 |
| 76 | 30 | LDR-Biased | 3.128 | 2.565 | -0.563 |
| 78 | 30 | LDR-Biased | 2.646 | 3.365 | 0.719 |
| 79 | 30 | LDR-Biased | 2.81 | 3.15 | 0.34 |
| 80 | 30 | LDR-Biased | 3.261 | 3.256 | -0.005 |
| 81 | 30 | LDR-Biased | 2.593 | 3.239 | 0.646 |
| 82 | 30 | LDR-Unbiased | 2.713 | 3.444 | 0.731 |
| 83 | 30 | LDR-Unbiased | 3.543 | 2.747 | -0.796 |
| 84 | 30 | LDR-Unbiased | 3.202 | 3.507 | 0.305 |
| 85 | 30 | LDR-Unbiased | 3.014 | 2.684 | -0.33 |
| 86 | 30 | LDR-Unbiased | 2.592 | 2.554 | -0.038 |
| 87 | 100 | LDR-Biased | 2.882 | 2.571 | -0.311 |
| 88 | 100 | LDR-Biased | 3.275 | 2.563 | -0.712 |
| 90 | 100 | LDR-Biased | 2.923 | 2.862 | -0.061 |
| 91 | 100 | LDR-Unbiased | 2.739 | 3.324 | 0.585 |
| 93 | 100 | LDR-Unbiased | 2.875 | 2.663 | -0.212 |
| 94 | 100 | LDR-Unbiased | 2.75 | 3.182 | 0.432 |
| 95 | 100 | LDR-Unbiased | 3.203 | 3.109 | -0.094 |
| 96 | 100 | LDR-Unbiased | 3.306 | 3.115 | -0.191 |
| 106 | 50 | LDR-Biased | 3.128 | 3.449 | 0.321 |
| 108 | 50 | LDR-Biased | 2.646 | 3.239 | 0.593 |
| 109 | 50 | LDR-Biased | 2.81 | 2.707 | -0.103 |
| 110 | 50 | LDR-Biased | 3.261 | 2.988 | -0.273 |
| 111 | 50 | LDR-Biased | 2.593 | 2.89 | 0.297 |
| 112 | 50 | LDR-Unbiased | 2.713 | 3.218 | 0.505 |
| 113 | 50 | LDR-Unbiased | 3.543 | 3.203 | -0.34 |
| 115 | 50 | LDR-Unbiased | 3.014 | 3.3 | 0.286 |
| 116 | 50 | LDR-Unbiased | 2.592 | 2.674 | 0.082 |
| 117 | 50 | LDR-Unbiased | 3.202 | 2.921 | -0.281 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.671 | 2.7205 | 2.77 | 0.070004 | 2.671 | 2.7205 | 2.77 | 0.070004 | 0 | 0 | 0 | 0 |
| 3 | 2.592 | 2.9502 | 3.543 | 0.32854 | 2.575 | 2.9661 | 3.489 | 0.34505 | -0.627 | 0.0159 | 0.843 | 0.4489 |
| 10 | 2.592 | 2.9502 | 3.543 | 0.32854 | 2.649 | 2.9871 | 3.324 | 0.25151 | -0.479 | 0.0369 | 0.732 | 0.39588 |
| 30 | 2.592 | 2.9502 | 3.543 | 0.32854 | 2.554 | 3.0511 | 3.507 | 0.37394 | -0.796 | 0.1009 | 0.731 | 0.54123 |
| 50 | 2.592 | 2.9502 | 3.543 | 0.32854 | 2.674 | 3.0589 | 3.449 | 0.26106 | -0.34 | 0.1087 | 0.593 | 0.34124 |
| 100 | 2.739 | 2.9941 | 3.306 | 0.23185 | 2.563 | 2.9236 | 3.324 | 0.29861 | -0.712 | -0.0705 | 0.585 | 0.41174 |

# Device Test: 27.5 TPD_SM_FAULT/SENSE1/3.3/14/0/0/0/@SM_F_PROP_DELAY



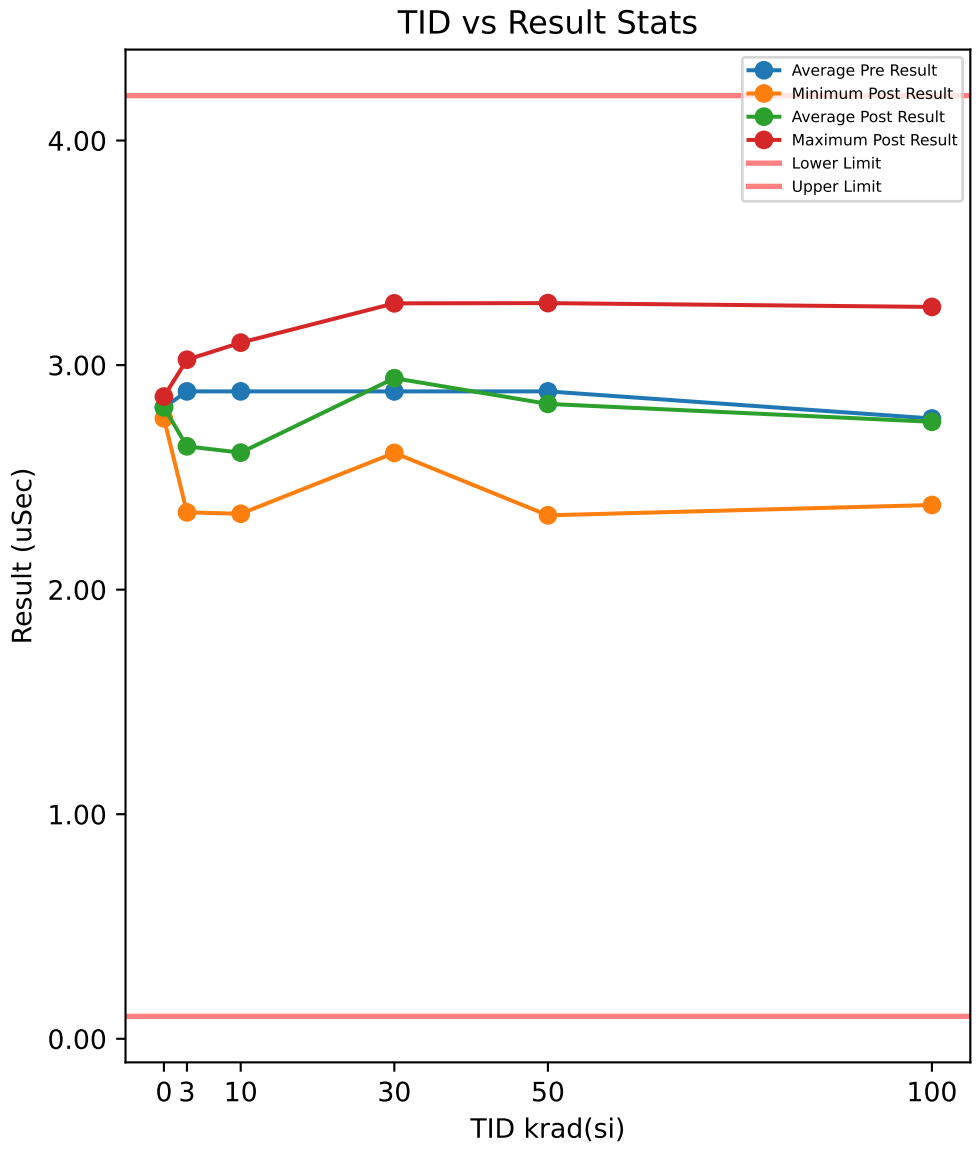

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

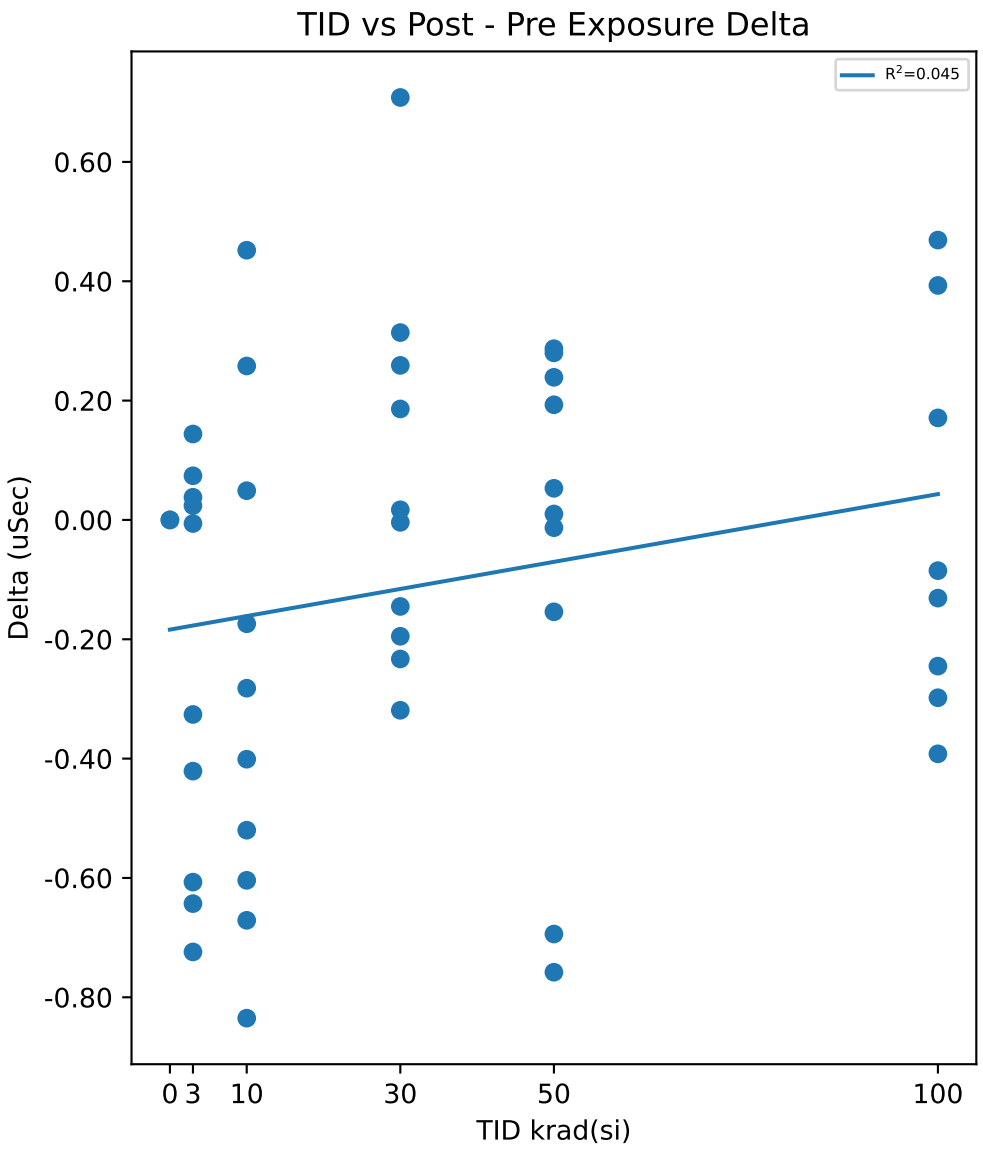
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.874 | 2.874 | 0 |
| 7 | 0 | Correlation | 2.759 | 2.759 | 0 |
| 16 | 3 | LDR-Biased | 2.571 | 2.695 | 0.124 |
| 18 | 3 | LDR-Biased | 2.88 | 2.328 | -0.552 |
| 19 | 3 | LDR-Biased | 2.631 | 3.047 | 0.416 |
| 20 | 3 | LDR-Biased | 3.107 | 2.814 | -0.293 |
| 21 | 3 | LDR-Biased | 2.565 | 2.42 | -0.145 |
| 22 | 3 | LDR-Unbiased | 2.444 | 2.977 | 0.533 |
| 23 | 3 | LDR-Unbiased | 2.764 | 2.793 | 0.029 |
| 25 | 3 | LDR-Unbiased | 3.173 | 2.527 | -0.646 |
| 26 | 3 | LDR-Unbiased | 2.501 | 3.178 | 0.677 |
| 27 | 3 | LDR-Unbiased | 2.752 | 2.43 | -0.322 |
| 46 | 10 | LDR-Biased | 2.571 | 2.62 | 0.049 |
| 48 | 10 | LDR-Biased | 2.88 | 2.637 | -0.243 |
| 49 | 10 | LDR-Biased | 2.631 | 3.295 | 0.664 |
| 50 | 10 | LDR-Biased | 3.107 | 2.535 | -0.572 |
| 51 | 10 | LDR-Biased | 2.565 | 2.644 | 0.079 |
| 52 | 10 | LDR-Unbiased | 2.444 | 3.104 | 0.66 |
| 53 | 10 | LDR-Unbiased | 2.764 | 3.075 | 0.311 |
| 55 | 10 | LDR-Unbiased | 3.173 | 2.995 | -0.178 |
| 56 | 10 | LDR-Unbiased | 2.501 | 2.572 | 0.071 |
| 57 | 10 | LDR-Unbiased | 2.752 | 2.532 | -0.22 |
| 76 | 30 | LDR-Biased | 2.571 | 3.082 | 0.511 |
| 78 | 30 | LDR-Biased | 2.88 | 2.598 | -0.282 |
| 79 | 30 | LDR-Biased | 2.631 | 3.003 | 0.372 |
| 80 | 30 | LDR-Biased | 3.107 | 3.22 | 0.113 |
| 81 | 30 | LDR-Biased | 2.565 | 3.212 | 0.647 |
| 82 | 30 | LDR-Unbiased | 2.444 | 2.658 | 0.214 |
| 83 | 30 | LDR-Unbiased | 2.764 | 2.338 | -0.426 |
| 84 | 30 | LDR-Unbiased | 2.752 | 3.05 | 0.298 |
| 85 | 30 | LDR-Unbiased | 3.173 | 2.443 | -0.73 |
| 86 | 30 | LDR-Unbiased | 2.501 | 2.764 | 0.263 |
| 87 | 100 | LDR-Biased | 3.068 | 2.567 | -0.501 |
| 88 | 100 | LDR-Biased | 2.806 | 2.917 | 0.111 |
| 90 | 100 | LDR-Biased | 2.617 | 2.484 | -0.133 |
| 91 | 100 | LDR-Unbiased | 2.385 | 2.418 | 0.033 |
| 93 | 100 | LDR-Unbiased | 2.919 | 2.994 | 0.075 |
| 94 | 100 | LDR-Unbiased | 2.962 | 2.604 | -0.358 |
| 95 | 100 | LDR-Unbiased | 2.813 | 2.448 | -0.365 |
| 96 | 100 | LDR-Unbiased | 2.895 | 2.351 | -0.544 |
| 106 | 50 | LDR-Biased | 2.571 | 3.267 | 0.696 |
| 108 | 50 | LDR-Biased | 2.88 | 2.812 | -0.068 |
| 109 | 50 | LDR-Biased | 2.631 | 2.998 | 0.367 |
| 110 | 50 | LDR-Biased | 3.107 | 2.82 | -0.287 |
| 111 | 50 | LDR-Biased | 2.565 | 2.544 | -0.021 |
| 112 | 50 | LDR-Unbiased | 2.444 | 2.959 | 0.515 |
| 113 | 50 | LDR-Unbiased | 2.764 | 2.385 | -0.379 |
| 115 | 50 | LDR-Unbiased | 3.173 | 3.045 | -0.128 |
| 116 | 50 | LDR-Unbiased | 2.501 | 2.626 | 0.125 |
| 117 | 50 | LDR-Unbiased | 2.752 | 2.726 | -0.026 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.759 | 2.8165 | 2.874 | 0.081317 | 2.759 | 2.8165 | 2.874 | 0.081317 | 0 | 0 | 0 | 0 |
| 3 | 2.444 | 2.7388 | 3.173 | 0.24906 | 2.328 | 2.7209 | 3.178 | 0.29108 | -0.646 | -0.0179 | 0.677 | 0.45474 |
| 10 | 2.444 | 2.7388 | 3.173 | 0.24906 | 2.532 | 2.8009 | 3.295 | 0.28449 | -0.572 | 0.0621 | 0.664 | 0.39646 |
| 30 | 2.444 | 2.7388 | 3.173 | 0.24906 | 2.338 | 2.8368 | 3.22 | 0.31955 | -0.73 | 0.098 | 0.647 | 0.43875 |
| 50 | 2.444 | 2.7388 | 3.173 | 0.24906 | 2.385 | 2.8182 | 3.267 | 0.26105 | -0.379 | 0.0794 | 0.696 | 0.34722 |
| 100 | 2.385 | 2.8081 | 3.068 | 0.21602 | 2.351 | 2.5979 | 2.994 | 0.23558 | -0.544 | -0.21025 | 0.111 | 0.26496 |

# Device Test: 27.6 TPD_SM_FAULT/SENSE2/3.3/14/0/0/0/@SM_F_PROP_DELAY



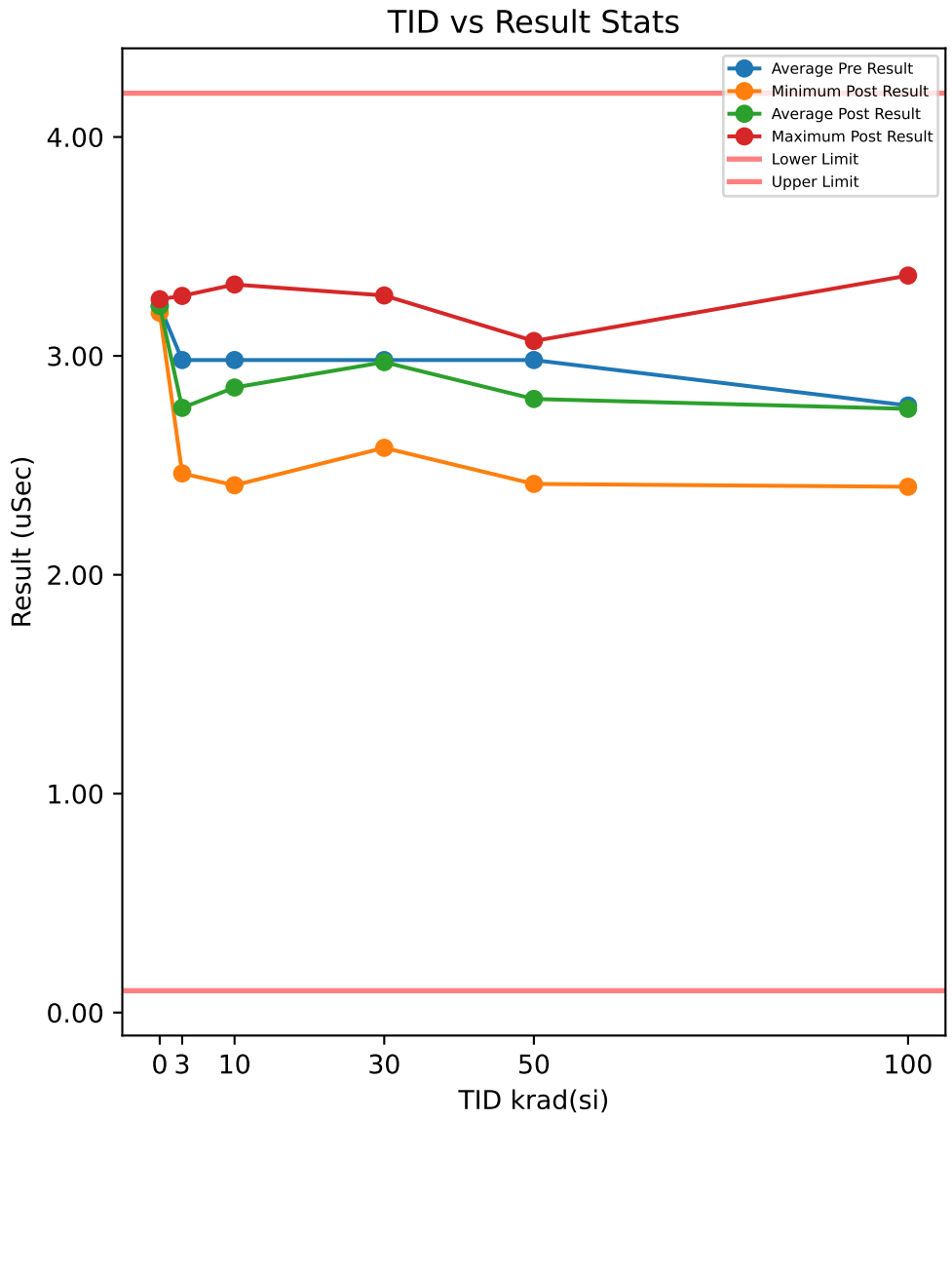

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

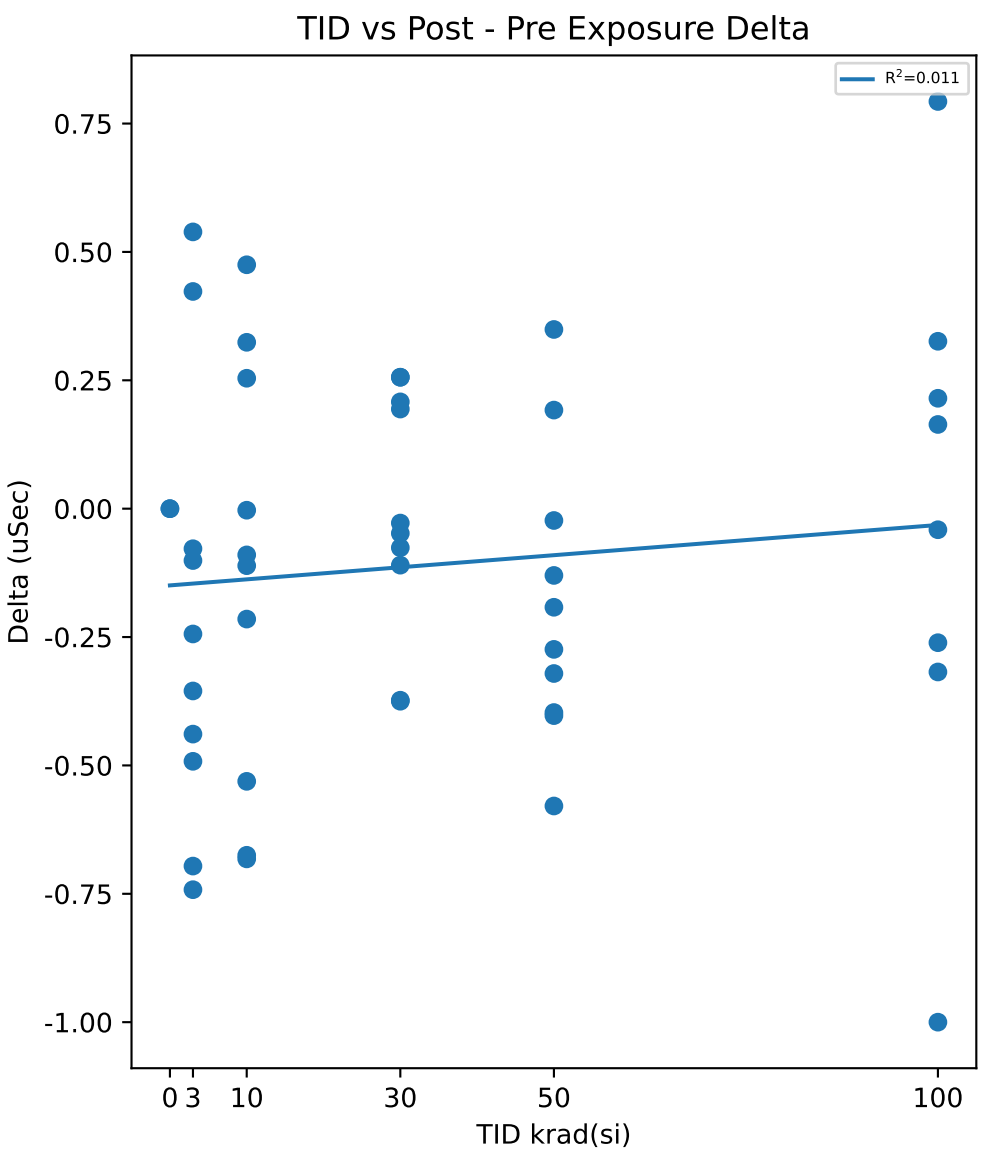
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.763 | 2.763 | 0 |
| 7 | 0 | Correlation | 2.86 | 2.86 | 0 |
| 16 | 3 | LDR-Biased | 2.6 | 2.594 | -0.006 |
| 18 | 3 | LDR-Biased | 3.225 | 2.804 | -0.421 |
| 19 | 3 | LDR-Biased | 2.842 | 2.88 | 0.038 |
| 20 | 3 | LDR-Biased | 3.089 | 2.763 | -0.326 |
| 21 | 3 | LDR-Biased | 3.083 | 2.359 | -0.724 |
| 22 | 3 | LDR-Unbiased | 2.987 | 2.344 | -0.643 |
| 23 | 3 | LDR-Unbiased | 2.547 | 2.571 | 0.024 |
| 25 | 3 | LDR-Unbiased | 2.567 | 2.641 | 0.074 |
| 26 | 3 | LDR-Unbiased | 3.009 | 2.402 | -0.607 |
| 27 | 3 | LDR-Unbiased | 2.88 | 3.024 | 0.144 |
| 46 | 10 | LDR-Biased | 2.6 | 3.052 | 0.452 |
| 48 | 10 | LDR-Biased | 3.225 | 2.39 | -0.835 |
| 49 | 10 | LDR-Biased | 2.842 | 3.1 | 0.258 |
| 50 | 10 | LDR-Biased | 3.089 | 2.807 | -0.282 |
| 51 | 10 | LDR-Biased | 3.083 | 2.479 | -0.604 |
| 52 | 10 | LDR-Unbiased | 2.987 | 2.467 | -0.52 |
| 53 | 10 | LDR-Unbiased | 2.547 | 2.596 | 0.049 |
| 55 | 10 | LDR-Unbiased | 2.567 | 2.393 | -0.174 |
| 56 | 10 | LDR-Unbiased | 3.009 | 2.338 | -0.671 |
| 57 | 10 | LDR-Unbiased | 2.88 | 2.479 | -0.401 |
| 76 | 30 | LDR-Biased | 2.6 | 2.914 | 0.314 |
| 78 | 30 | LDR-Biased | 3.225 | 3.03 | -0.195 |
| 79 | 30 | LDR-Biased | 2.842 | 2.609 | -0.233 |
| 80 | 30 | LDR-Biased | 3.089 | 3.106 | 0.017 |
| 81 | 30 | LDR-Biased | 3.083 | 2.764 | -0.319 |
| 82 | 30 | LDR-Unbiased | 2.987 | 3.246 | 0.259 |
| 83 | 30 | LDR-Unbiased | 2.547 | 2.733 | 0.186 |
| 84 | 30 | LDR-Unbiased | 2.88 | 2.735 | -0.145 |
| 85 | 30 | LDR-Unbiased | 2.567 | 3.275 | 0.708 |
| 86 | 30 | LDR-Unbiased | 3.009 | 3.005 | -0.004 |
| 87 | 100 | LDR-Biased | 2.508 | 2.377 | -0.131 |
| 88 | 100 | LDR-Biased | 3.23 | 2.932 | -0.298 |
| 90 | 100 | LDR-Biased | 2.749 | 2.664 | -0.085 |
| 91 | 100 | LDR-Unbiased | 2.424 | 2.595 | 0.171 |
| 93 | 100 | LDR-Unbiased | 2.866 | 3.259 | 0.393 |
| 94 | 100 | LDR-Unbiased | 2.708 | 3.177 | 0.469 |
| 95 | 100 | LDR-Unbiased | 2.902 | 2.51 | -0.392 |
| 96 | 100 | LDR-Unbiased | 2.711 | 2.466 | -0.245 |
| 106 | 50 | LDR-Biased | 2.6 | 2.61 | 0.01 |
| 108 | 50 | LDR-Biased | 3.225 | 2.531 | -0.694 |
| 109 | 50 | LDR-Biased | 2.842 | 3.129 | 0.287 |
| 110 | 50 | LDR-Biased | 3.089 | 2.331 | -0.758 |
| 111 | 50 | LDR-Biased | 3.083 | 3.276 | 0.193 |
| 112 | 50 | LDR-Unbiased | 2.987 | 3.04 | 0.053 |
| 113 | 50 | LDR-Unbiased | 2.547 | 2.393 | -0.154 |
| 115 | 50 | LDR-Unbiased | 2.567 | 2.847 | 0.28 |
| 116 | 50 | LDR-Unbiased | 3.009 | 2.996 | -0.013 |
| 117 | 50 | LDR-Unbiased | 2.88 | 3.119 | 0.239 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.763 | 2.8115 | 2.86 | 0.068589 | 2.763 | 2.8115 | 2.86 | 0.068589 | 0 | 0 | 0 | 0 |
| 3 | 2.547 | 2.8829 | 3.225 | 0.24051 | 2.344 | 2.6382 | 3.024 | 0.23025 | -0.724 | -0.2447 | 0.144 | 0.3365 |
| 10 | 2.547 | 2.8829 | 3.225 | 0.24051 | 2.338 | 2.6101 | 3.1 | 0.27863 | -0.835 | -0.2728 | 0.452 | 0.41931 |
| 30 | 2.547 | 2.8829 | 3.225 | 0.24051 | 2.609 | 2.9417 | 3.275 | 0.22896 | -0.319 | 0.0588 | 0.708 | 0.31311 |
| 50 | 2.547 | 2.8829 | 3.225 | 0.24051 | 2.331 | 2.8272 | 3.276 | 0.33689 | -0.758 | -0.0557 | 0.287 | 0.3811 |
| 100 | 2.424 | 2.7622 | 3.23 | 0.24897 | 2.377 | 2.7475 | 3.259 | 0.33451 | -0.392 | -0.01475 | 0.469 | 0.32267 |

# Device Test: 27.7 TPD_SM_FAULT/SENSE3/3.3/14/0/0/0/@SM_F_PROP_DELAY



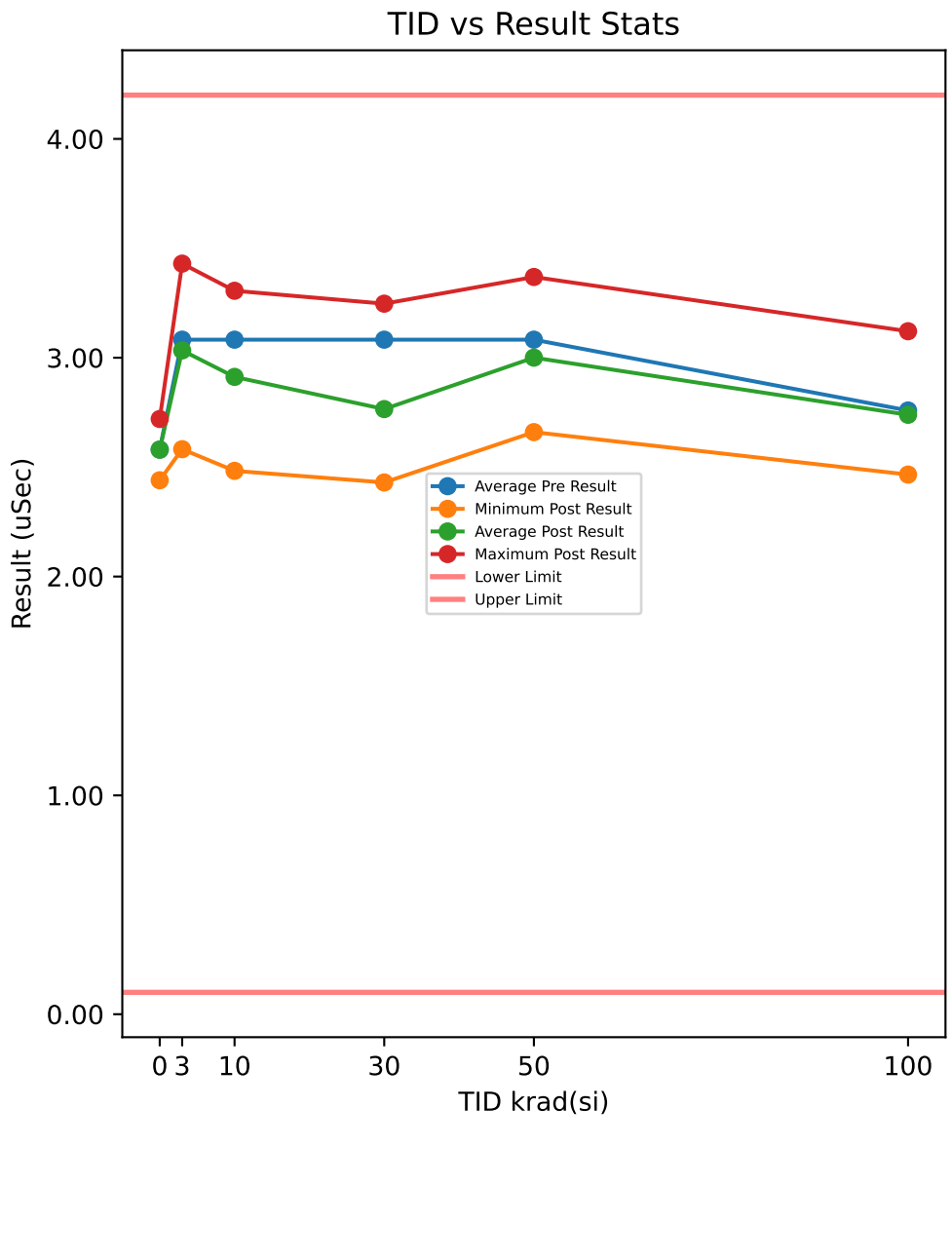

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

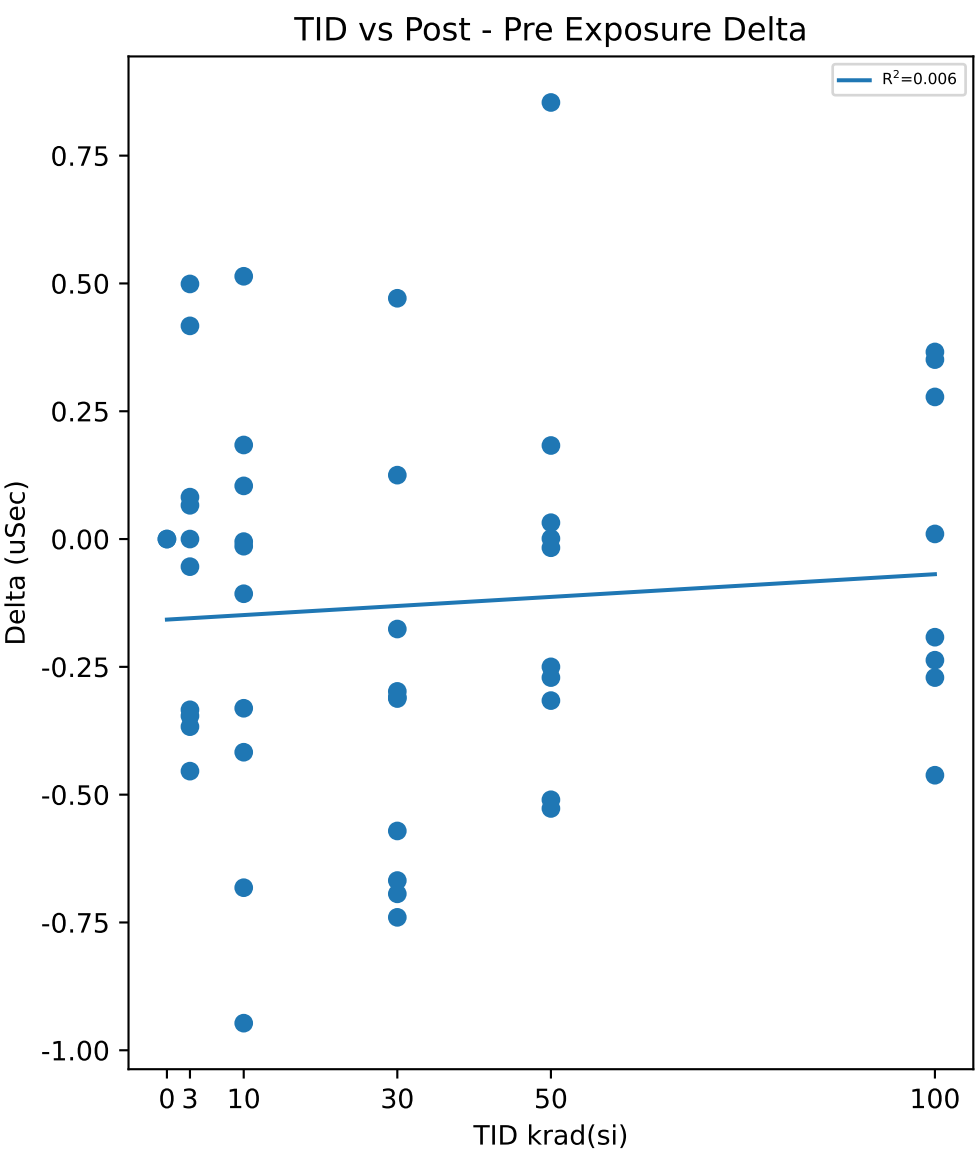
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.197 | 3.197 | 0 |
| 7 | 0 | Correlation | 3.259 | 3.259 | 0 |
| 16 | 3 | LDR-Biased | 3.214 | 2.472 | -0.742 |
| 18 | 3 | LDR-Biased | 2.851 | 3.274 | 0.423 |
| 19 | 3 | LDR-Biased | 3.068 | 2.713 | -0.355 |
| 20 | 3 | LDR-Biased | 2.955 | 2.463 | -0.492 |
| 21 | 3 | LDR-Biased | 3.091 | 3.013 | -0.078 |
| 22 | 3 | LDR-Unbiased | 2.646 | 2.545 | -0.101 |
| 23 | 3 | LDR-Unbiased | 2.87 | 2.626 | -0.244 |
| 25 | 3 | LDR-Unbiased | 3.201 | 2.505 | -0.696 |
| 26 | 3 | LDR-Unbiased | 2.607 | 3.146 | 0.539 |
| 27 | 3 | LDR-Unbiased | 3.307 | 2.868 | -0.439 |
| 46 | 10 | LDR-Biased | 3.214 | 2.999 | -0.215 |
| 48 | 10 | LDR-Biased | 2.851 | 3.326 | 0.475 |
| 49 | 10 | LDR-Biased | 3.068 | 3.065 | -0.003 |
| 50 | 10 | LDR-Biased | 2.955 | 2.424 | -0.531 |
| 51 | 10 | LDR-Biased | 3.091 | 2.409 | -0.682 |
| 52 | 10 | LDR-Unbiased | 2.646 | 2.97 | 0.324 |
| 53 | 10 | LDR-Unbiased | 2.87 | 2.78 | -0.09 |
| 55 | 10 | LDR-Unbiased | 3.201 | 2.526 | -0.675 |
| 56 | 10 | LDR-Unbiased | 2.607 | 2.861 | 0.254 |
| 57 | 10 | LDR-Unbiased | 3.307 | 3.196 | -0.111 |
| 76 | 30 | LDR-Biased | 3.214 | 3.186 | -0.028 |
| 78 | 30 | LDR-Biased | 2.851 | 3.107 | 0.256 |
| 79 | 30 | LDR-Biased | 3.068 | 3.276 | 0.208 |
| 80 | 30 | LDR-Biased | 2.955 | 2.58 | -0.375 |
| 81 | 30 | LDR-Biased | 3.091 | 3.015 | -0.076 |
| 82 | 30 | LDR-Unbiased | 2.646 | 2.598 | -0.048 |
| 83 | 30 | LDR-Unbiased | 2.87 | 3.064 | 0.194 |
| 84 | 30 | LDR-Unbiased | 3.307 | 2.934 | -0.373 |
| 85 | 30 | LDR-Unbiased | 3.201 | 3.091 | -0.11 |
| 86 | 30 | LDR-Unbiased | 2.607 | 2.863 | 0.256 |
| 87 | 100 | LDR-Biased | 2.895 | 2.634 | -0.261 |
| 88 | 100 | LDR-Biased | 2.942 | 3.268 | 0.326 |
| 90 | 100 | LDR-Biased | 2.519 | 2.734 | 0.215 |
| 91 | 100 | LDR-Unbiased | 3.402 | 2.402 | -1 |
| 93 | 100 | LDR-Unbiased | 2.826 | 2.508 | -0.318 |
| 94 | 100 | LDR-Unbiased | 2.574 | 3.367 | 0.793 |
| 95 | 100 | LDR-Unbiased | 2.561 | 2.52 | -0.041 |
| 96 | 100 | LDR-Unbiased | 2.467 | 2.631 | 0.164 |
| 106 | 50 | LDR-Biased | 3.214 | 2.635 | -0.579 |
| 108 | 50 | LDR-Biased | 2.851 | 3.043 | 0.192 |
| 109 | 50 | LDR-Biased | 3.068 | 2.938 | -0.13 |
| 110 | 50 | LDR-Biased | 2.955 | 2.558 | -0.397 |
| 111 | 50 | LDR-Biased | 3.091 | 3.068 | -0.023 |
| 112 | 50 | LDR-Unbiased | 2.646 | 2.995 | 0.349 |
| 113 | 50 | LDR-Unbiased | 2.87 | 2.549 | -0.321 |
| 115 | 50 | LDR-Unbiased | 3.201 | 2.798 | -0.403 |
| 116 | 50 | LDR-Unbiased | 2.607 | 2.415 | -0.192 |
| 117 | 50 | LDR-Unbiased | 3.307 | 3.033 | -0.274 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.197 | 3.228 | 3.259 | 0.043841 | 3.197 | 3.228 | 3.259 | 0.043841 | 0 | 0 | 0 | 0 |
| 3 | 2.607 | 2.981 | 3.307 | 0.2382 | 2.463 | 2.7625 | 3.274 | 0.29653 | -0.742 | -0.2185 | 0.539 | 0.42994 |
| 10 | 2.607 | 2.981 | 3.307 | 0.2382 | 2.409 | 2.8556 | 3.326 | 0.31881 | -0.682 | -0.1254 | 0.475 | 0.40923 |
| 30 | 2.607 | 2.981 | 3.307 | 0.2382 | 2.58 | 2.9714 | 3.276 | 0.2328 | -0.375 | -0.0096 | 0.256 | 0.23846 |
| 50 | 2.607 | 2.981 | 3.307 | 0.2382 | 2.415 | 2.8032 | 3.068 | 0.24476 | -0.579 | -0.1778 | 0.349 | 0.28484 |
| 100 | 2.467 | 2.7732 | 3.402 | 0.31273 | 2.402 | 2.758 | 3.367 | 0.36035 | -1 | -0.01525 | 0.793 | 0.53148 |

# Device Test: 27.8 TPD_SM_FAULT/SENSE4/3.3/14/0/0/0/@SM_F_PROP_DELAY



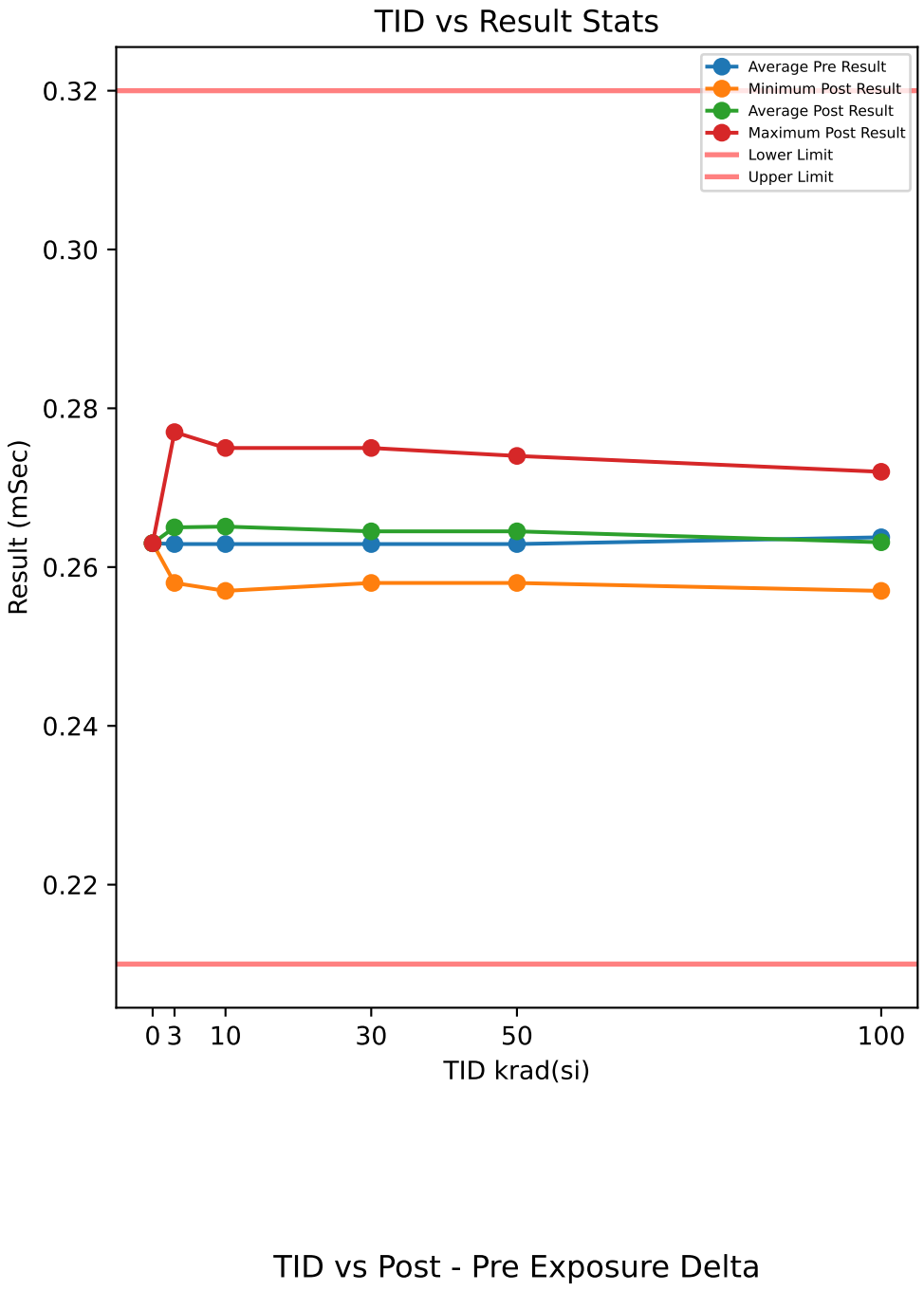

Test Results (Lower Limit = 0.1, Upper Limit = 4.2 (uSec))

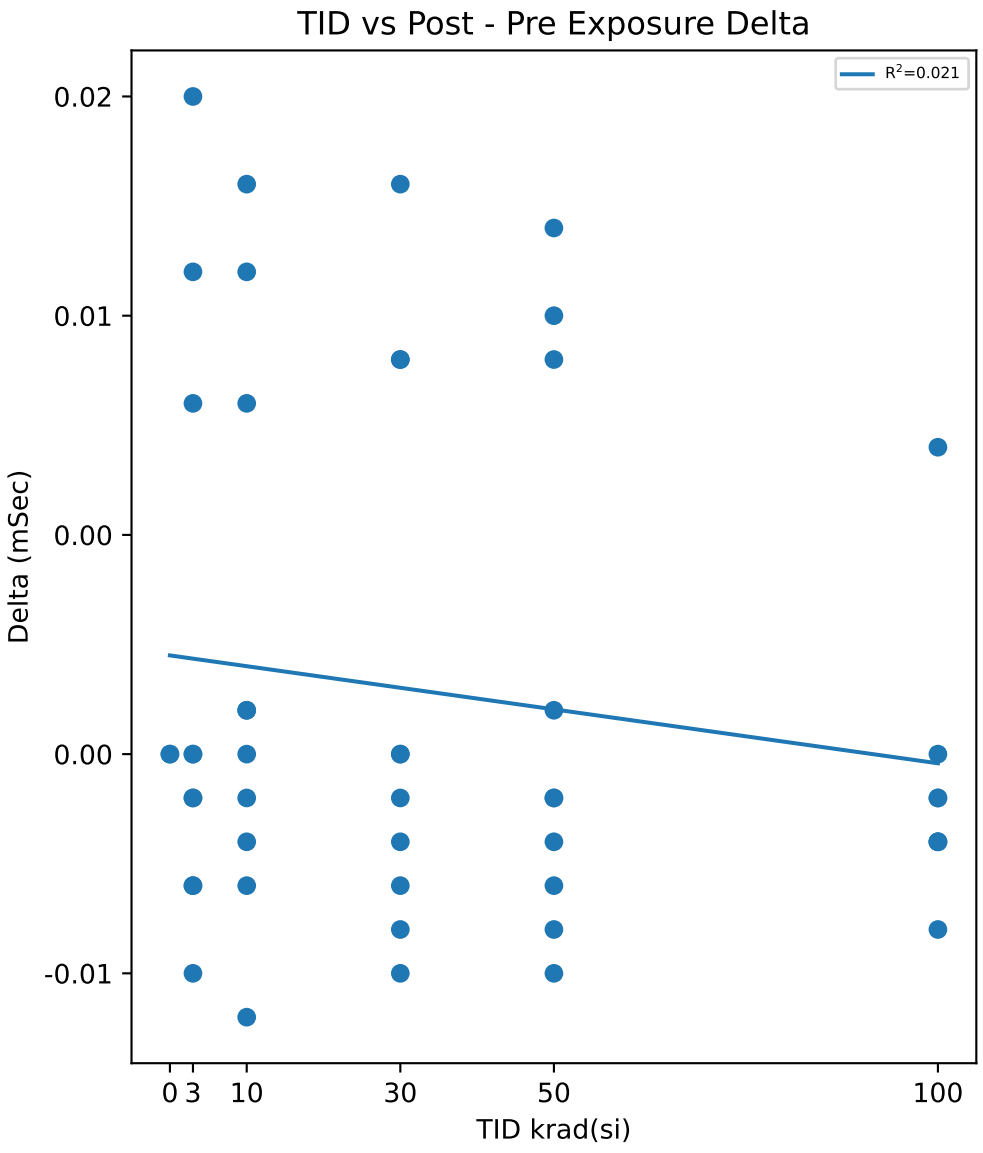
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.44 | 2.44 | 0 |
| 7 | 0 | Correlation | 2.72 | 2.72 | 0 |
| 16 | 3 | LDR-Biased | 3.343 | 2.889 | -0.454 |
| 18 | 3 | LDR-Biased | 2.864 | 3.281 | 0.417 |
| 19 | 3 | LDR-Biased | 2.926 | 3.425 | 0.499 |
| 20 | 3 | LDR-Biased | 3.122 | 3.188 | 0.066 |
| 21 | 3 | LDR-Biased | 3.011 | 2.677 | -0.334 |
| 22 | 3 | LDR-Unbiased | 2.5 | 2.582 | 0.082 |
| 23 | 3 | LDR-Unbiased | 3.122 | 3.068 | -0.054 |
| 25 | 3 | LDR-Unbiased | 3.17 | 2.824 | -0.346 |
| 26 | 3 | LDR-Unbiased | 3.337 | 2.97 | -0.367 |
| 27 | 3 | LDR-Unbiased | 3.43 | 3.43 | 0 |
| 46 | 10 | LDR-Biased | 3.343 | 2.926 | -0.417 |
| 48 | 10 | LDR-Biased | 2.864 | 2.859 | -0.005 |
| 49 | 10 | LDR-Biased | 2.926 | 2.595 | -0.331 |
| 50 | 10 | LDR-Biased | 3.122 | 3.108 | -0.014 |
| 51 | 10 | LDR-Biased | 3.011 | 2.904 | -0.107 |
| 52 | 10 | LDR-Unbiased | 2.5 | 3.014 | 0.514 |
| 53 | 10 | LDR-Unbiased | 3.122 | 3.306 | 0.184 |
| 55 | 10 | LDR-Unbiased | 3.17 | 3.274 | 0.104 |
| 56 | 10 | LDR-Unbiased | 3.337 | 2.655 | -0.682 |
| 57 | 10 | LDR-Unbiased | 3.43 | 2.483 | -0.947 |
| 76 | 30 | LDR-Biased | 3.343 | 2.675 | -0.668 |
| 78 | 30 | LDR-Biased | 2.864 | 2.552 | -0.312 |
| 79 | 30 | LDR-Biased | 2.926 | 2.75 | -0.176 |
| 80 | 30 | LDR-Biased | 3.122 | 2.551 | -0.571 |
| 81 | 30 | LDR-Biased | 3.011 | 2.702 | -0.309 |
| 82 | 30 | LDR-Unbiased | 2.5 | 2.971 | 0.471 |
| 83 | 30 | LDR-Unbiased | 3.122 | 3.247 | 0.125 |
| 84 | 30 | LDR-Unbiased | 3.43 | 3.132 | -0.298 |
| 85 | 30 | LDR-Unbiased | 3.17 | 2.43 | -0.74 |
| 86 | 30 | LDR-Unbiased | 3.337 | 2.643 | -0.694 |
| 87 | 100 | LDR-Biased | 2.456 | 2.466 | 0.01 |
| 88 | 100 | LDR-Biased | 2.634 | 2.985 | 0.351 |
| 90 | 100 | LDR-Biased | 2.626 | 2.904 | 0.278 |
| 91 | 100 | LDR-Unbiased | 2.826 | 2.634 | -0.192 |
| 93 | 100 | LDR-Unbiased | 2.936 | 2.474 | -0.462 |
| 94 | 100 | LDR-Unbiased | 2.755 | 3.121 | 0.366 |
| 95 | 100 | LDR-Unbiased | 2.935 | 2.664 | -0.271 |
| 96 | 100 | LDR-Unbiased | 2.903 | 2.666 | -0.237 |
| 106 | 50 | LDR-Biased | 3.343 | 2.816 | -0.527 |
| 108 | 50 | LDR-Biased | 2.864 | 2.865 | 0.001 |
| 109 | 50 | LDR-Biased | 2.926 | 2.909 | -0.017 |
| 110 | 50 | LDR-Biased | 3.122 | 2.851 | -0.271 |
| 111 | 50 | LDR-Biased | 3.011 | 3.194 | 0.183 |
| 112 | 50 | LDR-Unbiased | 2.5 | 3.354 | 0.854 |
| 113 | 50 | LDR-Unbiased | 3.122 | 2.872 | -0.25 |
| 115 | 50 | LDR-Unbiased | 3.17 | 2.66 | -0.51 |
| 116 | 50 | LDR-Unbiased | 3.337 | 3.369 | 0.032 |
| 117 | 50 | LDR-Unbiased | 3.43 | 3.114 | -0.316 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.44 | 2.58 | 2.72 | 0.19799 | 2.44 | 2.58 | 2.72 | 0.19799 | 0 | 0 | 0 | 0 |
| 3 | 2.5 | 3.0825 | 3.43 | 0.27504 | 2.582 | 3.0334 | 3.43 | 0.2975 | -0.454 | -0.0491 | 0.499 | 0.3308 |
| 10 | 2.5 | 3.0825 | 3.43 | 0.27504 | 2.483 | 2.9124 | 3.306 | 0.27664 | -0.947 | -0.1701 | 0.514 | 0.43161 |
| 30 | 2.5 | 3.0825 | 3.43 | 0.27504 | 2.43 | 2.7653 | 3.247 | 0.26667 | -0.74 | -0.3172 | 0.471 | 0.38664 |
| 50 | 2.5 | 3.0825 | 3.43 | 0.27504 | 2.66 | 3.0004 | 3.369 | 0.2419 | -0.527 | -0.0821 | 0.854 | 0.40419 |
| 100 | 2.456 | 2.7589 | 2.936 | 0.1743 | 2.466 | 2.7393 | 3.121 | 0.23916 | -0.462 | -0.019625 | 0.366 | 0.31879 |

# Device Test: 4.0 treg_Res10p5K_SENSE1/SENSE1/1.6/3/0/10.5K/0/@REG_TIME_10KOHM



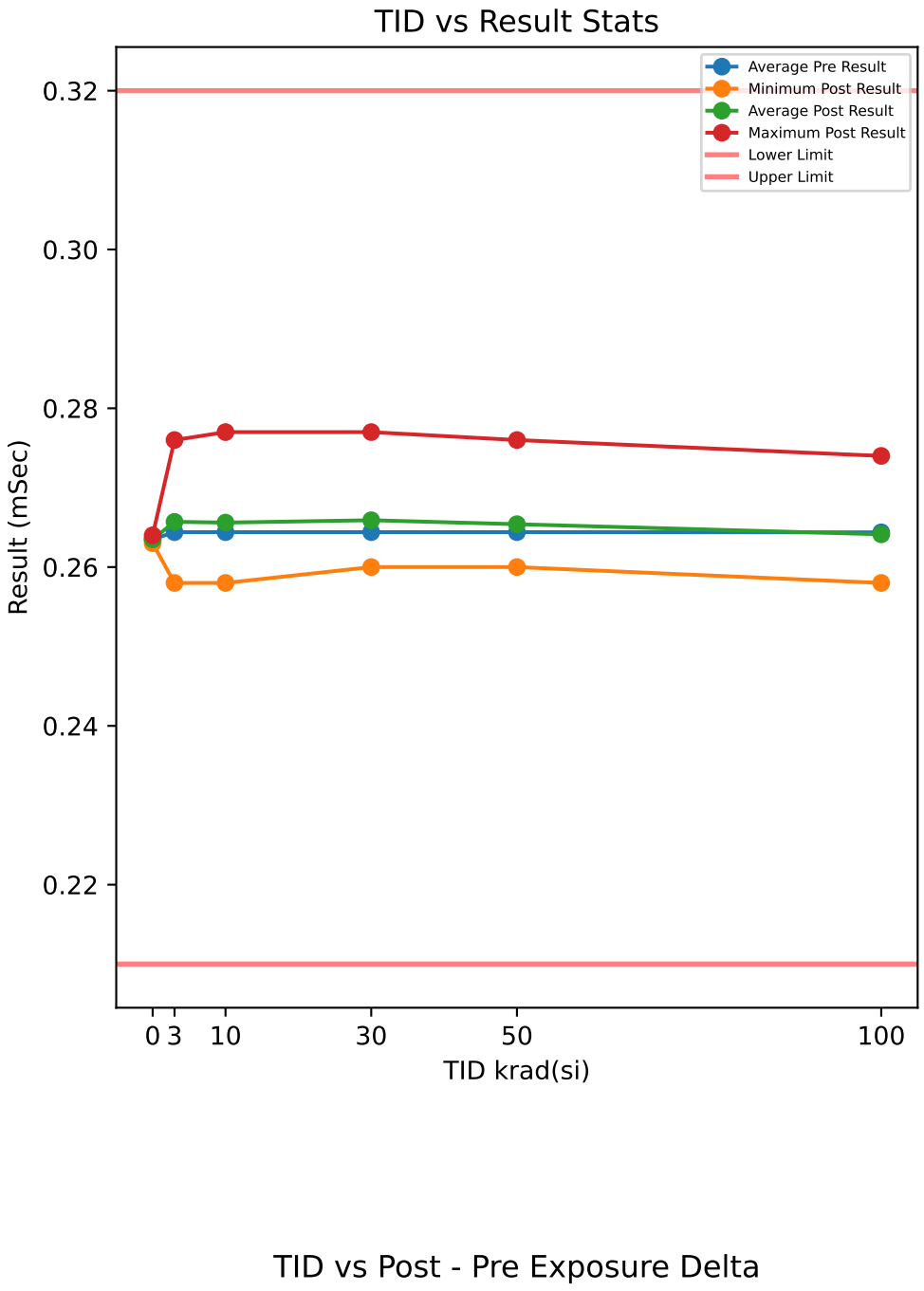

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

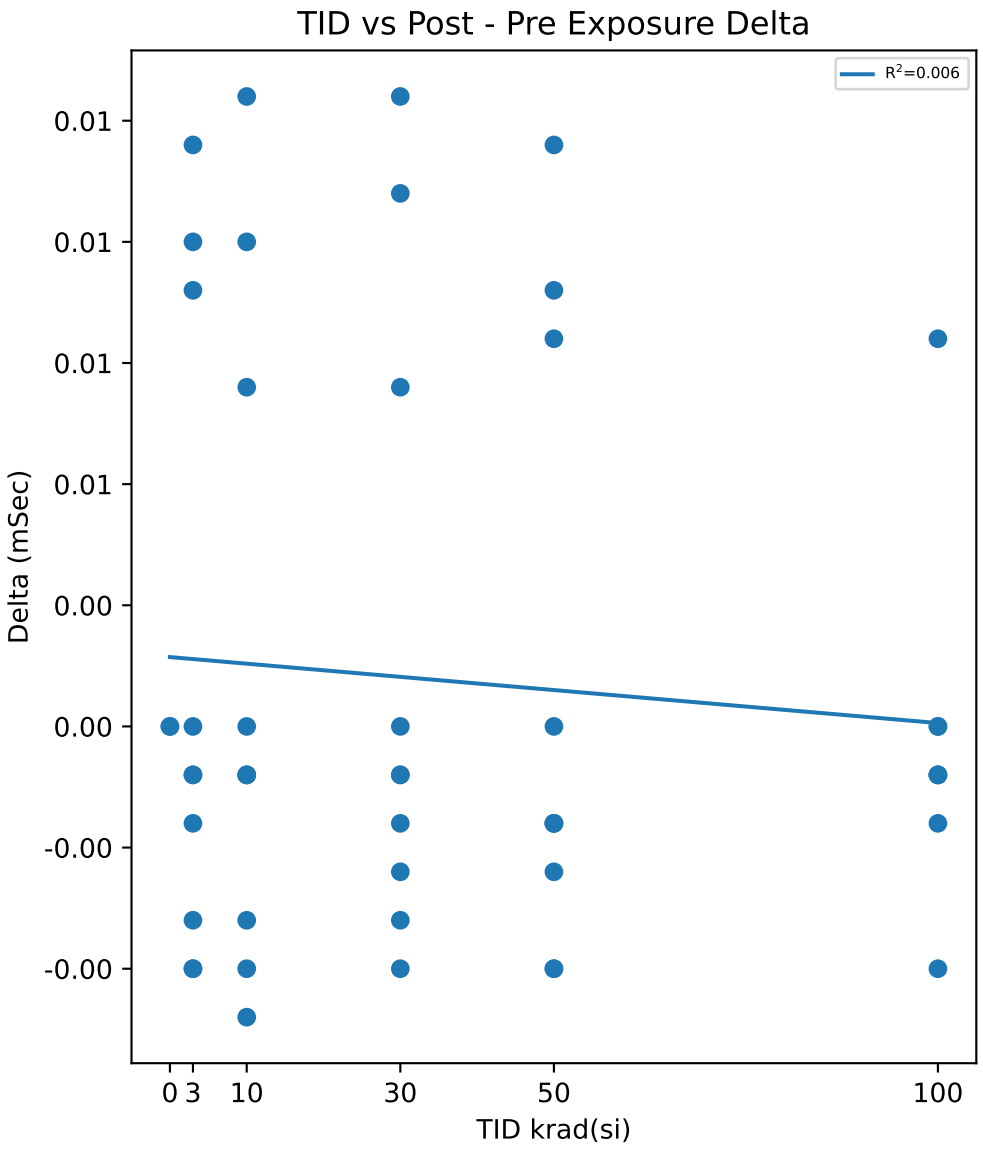
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 7 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 16 | 3 | LDR-Biased | 0.262 | 0.277 | 0.015 |
| 18 | 3 | LDR-Biased | 0.263 | 0.263 | 0 |
| 19 | 3 | LDR-Biased | 0.256 | 0.264 | 0.008 |
| 20 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 21 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 23 | 3 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.263 | 0.274 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 46 | 10 | LDR-Biased | 0.262 | 0.275 | 0.013 |
| 48 | 10 | LDR-Biased | 0.263 | 0.263 | 0 |
| 49 | 10 | LDR-Biased | 0.256 | 0.264 | 0.008 |
| 50 | 10 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 51 | 10 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 53 | 10 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.257 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.263 | 0.274 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 76 | 30 | LDR-Biased | 0.262 | 0.275 | 0.013 |
| 78 | 30 | LDR-Biased | 0.263 | 0.263 | 0 |
| 79 | 30 | LDR-Biased | 0.256 | 0.265 | 0.009 |
| 80 | 30 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 81 | 30 | LDR-Biased | 0.264 | 0.264 | 0 |
| 82 | 30 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 83 | 30 | LDR-Unbiased | 0.265 | 0.261 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 87 | 100 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 88 | 100 | LDR-Biased | 0.262 | 0.262 | 0 |
| 90 | 100 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.265 | 0.272 | 0.007 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 95 | 100 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 106 | 50 | LDR-Biased | 0.262 | 0.274 | 0.012 |
| 108 | 50 | LDR-Biased | 0.263 | 0.261 | -0.002 |
| 109 | 50 | LDR-Biased | 0.256 | 0.266 | 0.01 |
| 110 | 50 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 111 | 50 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 113 | 50 | LDR-Unbiased | 0.265 | 0.261 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.263 | 0.263 | 0 | 0.263 | 0.263 | 0.263 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.256 | 0.2629 | 0.265 | 0.0026013 | 0.258 | 0.265 | 0.277 | 0.005831 | -0.005 | 0.0021 | 0.015 | 0.0067569 |
| 10 | 0.256 | 0.2629 | 0.265 | 0.0026013 | 0.257 | 0.2651 | 0.275 | 0.0054457 | -0.006 | 0.0022 | 0.013 | 0.0063034 |
| 30 | 0.256 | 0.2629 | 0.265 | 0.0026013 | 0.258 | 0.2645 | 0.275 | 0.0051478 | -0.005 | 0.0016 | 0.013 | 0.0063281 |
| 50 | 0.256 | 0.2629 | 0.265 | 0.0026013 | 0.258 | 0.2645 | 0.274 | 0.0050166 | -0.005 | 0.0016 | 0.012 | 0.0062929 |
| 100 | 0.261 | 0.26375 | 0.266 | 0.0018323 | 0.257 | 0.26312 | 0.272 | 0.0042237 | -0.004 | -0.000625 | 0.007 | 0.0032923 |

# Device Test: 4.1 treg_Res10p5K_SENSE2/SENSE2/1.6/3/0/10.5K/0/@REG_TIME_10KOHM



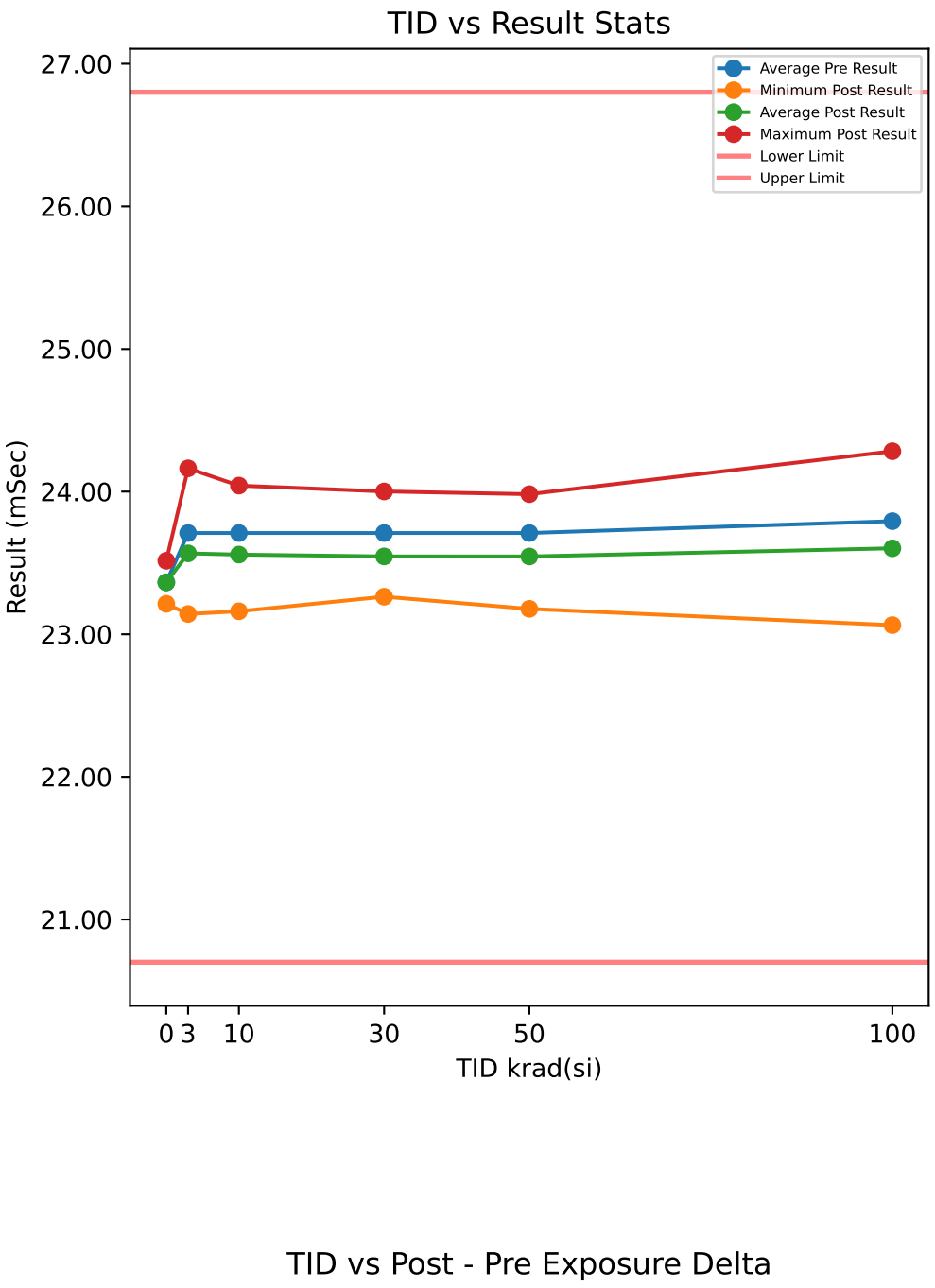

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 7 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 16 | 3 | LDR-Biased | 0.264 | 0.276 | 0.012 |
| 18 | 3 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 19 | 3 | LDR-Biased | 0.258 | 0.267 | 0.009 |
| 20 | 3 | LDR-Biased | 0.264 | 0.264 | 0 |
| 21 | 3 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 46 | 10 | LDR-Biased | 0.264 | 0.277 | 0.013 |
| 48 | 10 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 49 | 10 | LDR-Biased | 0.258 | 0.265 | 0.007 |
| 50 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 51 | 10 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.261 | -0.006 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 76 | 30 | LDR-Biased | 0.264 | 0.277 | 0.013 |
| 78 | 30 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 79 | 30 | LDR-Biased | 0.258 | 0.265 | 0.007 |
| 80 | 30 | LDR-Biased | 0.264 | 0.264 | 0 |
| 81 | 30 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 87 | 100 | LDR-Biased | 0.263 | 0.263 | 0 |
| 88 | 100 | LDR-Biased | 0.263 | 0.263 | 0 |
| 90 | 100 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 96 | 100 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 106 | 50 | LDR-Biased | 0.264 | 0.276 | 0.012 |
| 108 | 50 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 109 | 50 | LDR-Biased | 0.258 | 0.266 | 0.008 |
| 110 | 50 | LDR-Biased | 0.264 | 0.264 | 0 |
| 111 | 50 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.273 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |

Test Statistics (mSec)

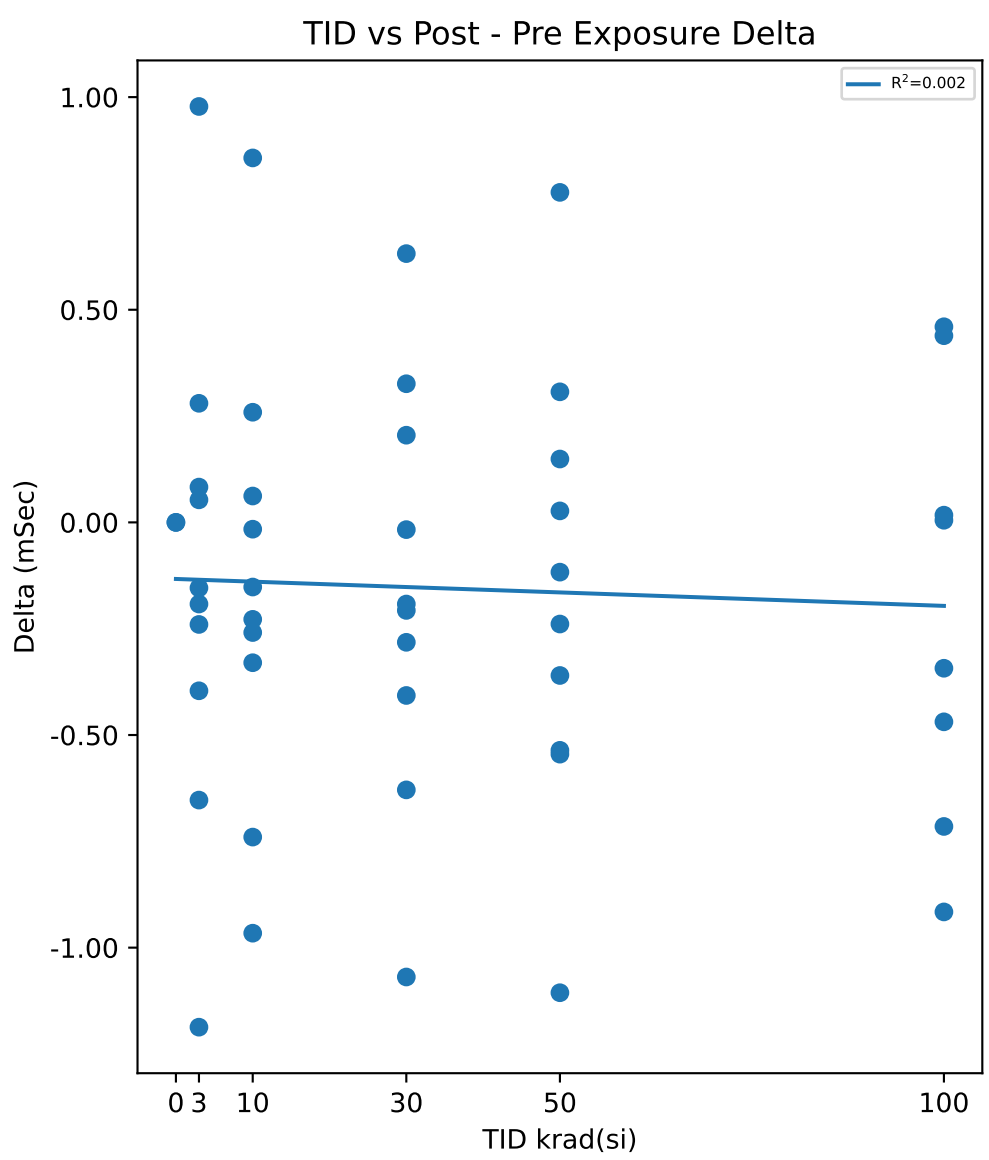
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.2635 | 0.264 | 0.00070711 | 0.263 | 0.2635 | 0.264 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.258 | 0.2644 | 0.267 | 0.0026331 | 0.258 | 0.2657 | 0.276 | 0.0054579 | -0.005 | 0.0013 | 0.012 | 0.0064987 |
| 10 | 0.258 | 0.2644 | 0.267 | 0.0026331 | 0.258 | 0.2656 | 0.277 | 0.0056999 | -0.006 | 0.0012 | 0.013 | 0.0065286 |
| 30 | 0.258 | 0.2644 | 0.267 | 0.0026331 | 0.26 | 0.2659 | 0.277 | 0.0055468 | -0.005 | 0.0015 | 0.013 | 0.0064334 |
| 50 | 0.258 | 0.2644 | 0.267 | 0.0026331 | 0.26 | 0.2654 | 0.276 | 0.0051034 | -0.005 | 0.001 | 0.012 | 0.0062361 |
| 100 | 0.263 | 0.26438 | 0.266 | 0.0013025 | 0.258 | 0.26412 | 0.274 | 0.0045178 | -0.005 | -0.00025 | 0.008 | 0.0036936 |

# Device Test: 4.10 treg_Res1p18M_SENSE3/SENSE3/1.6/3/0/1.18M/0/@REG_TIME_1MOHM




Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

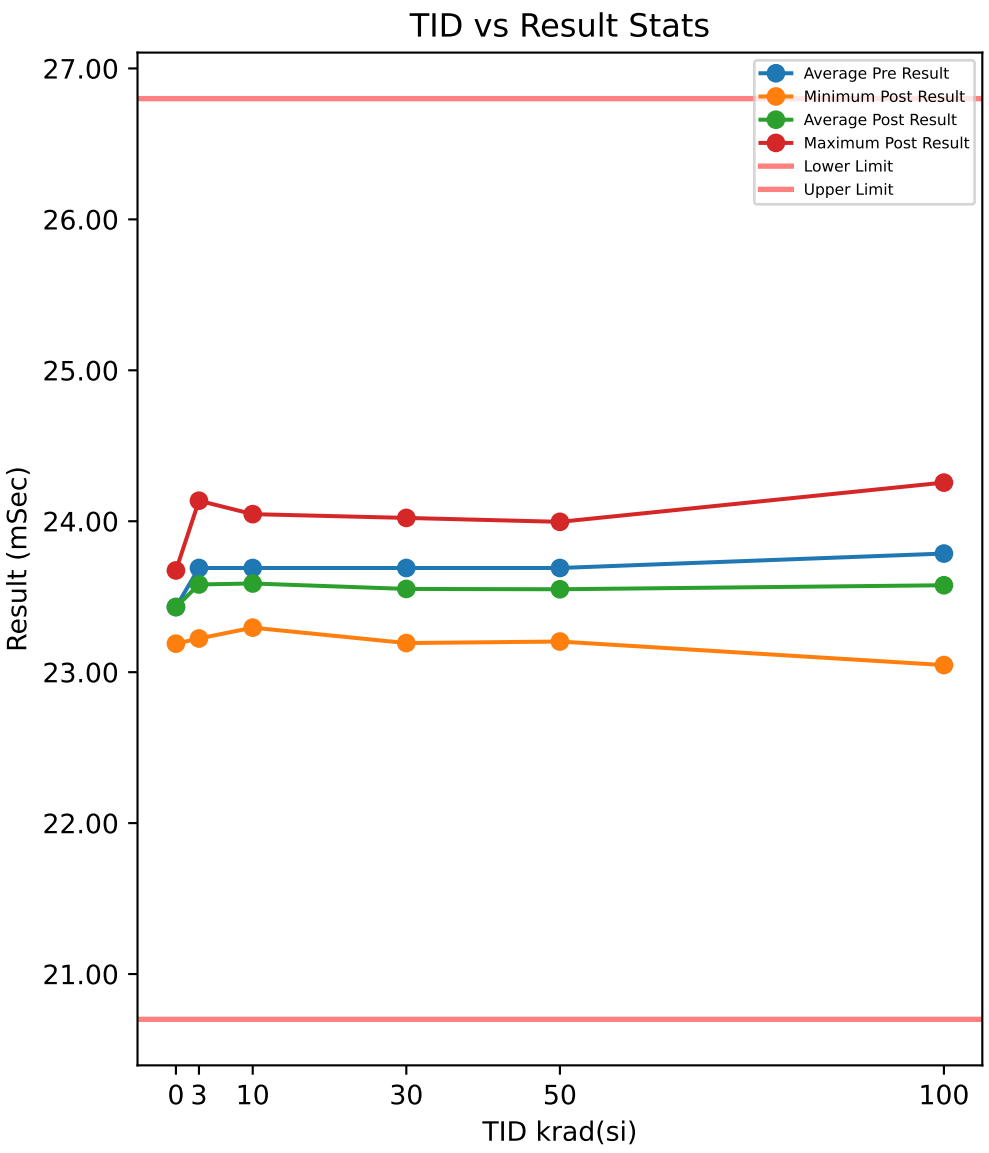
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.213 | 23.213 | 0 |
| 7 | 0 | Correlation | 23.515 | 23.515 | 0 |
| 16 | 3 | LDR-Biased | 23.675 | 23.955 | 0.28 |
| 18 | 3 | LDR-Biased | 23.547 | 23.6 | 0.053 |
| 19 | 3 | LDR-Biased | 23.538 | 23.142 | -0.396 |
| 20 | 3 | LDR-Biased | 23.462 | 23.27 | -0.192 |
| 21 | 3 | LDR-Biased | 23.777 | 23.623 | -0.154 |
| 22 | 3 | LDR-Unbiased | 24.02 | 23.78 | -0.24 |
| 23 | 3 | LDR-Unbiased | 23.901 | 23.248 | -0.653 |
| 25 | 3 | LDR-Unbiased | 23.66 | 23.743 | 0.083 |
| 26 | 3 | LDR-Unbiased | 23.185 | 24.163 | 0.978 |
| 27 | 3 | LDR-Unbiased | 24.332 | 23.145 | -1.187 |
| 46 | 10 | LDR-Biased | 23.675 | 23.934 | 0.259 |
| 48 | 10 | LDR-Biased | 23.547 | 23.531 | -0.016 |
| 49 | 10 | LDR-Biased | 23.538 | 23.208 | -0.33 |
| 50 | 10 | LDR-Biased | 23.462 | 23.203 | -0.259 |
| 51 | 10 | LDR-Biased | 23.777 | 23.625 | -0.152 |
| 52 | 10 | LDR-Unbiased | 24.02 | 23.792 | -0.228 |
| 53 | 10 | LDR-Unbiased | 23.901 | 23.161 | -0.74 |
| 55 | 10 | LDR-Unbiased | 23.66 | 23.722 | 0.062 |
| 56 | 10 | LDR-Unbiased | 23.185 | 24.042 | 0.857 |
| 57 | 10 | LDR-Unbiased | 24.332 | 23.366 | -0.966 |
| 76 | 30 | LDR-Biased | 23.675 | 24.001 | 0.326 |
| 78 | 30 | LDR-Biased | 23.547 | 23.53 | -0.017 |
| 79 | 30 | LDR-Biased | 23.538 | 23.331 | -0.207 |
| 80 | 30 | LDR-Biased | 23.462 | 23.27 | -0.192 |
| 81 | 30 | LDR-Biased | 23.777 | 23.495 | -0.282 |
| 82 | 30 | LDR-Unbiased | 24.02 | 23.613 | -0.407 |
| 83 | 30 | LDR-Unbiased | 23.901 | 23.272 | -0.629 |
| 84 | 30 | LDR-Unbiased | 24.332 | 23.263 | -1.069 |
| 85 | 30 | LDR-Unbiased | 23.66 | 23.865 | 0.205 |
| 86 | 30 | LDR-Unbiased | 23.185 | 23.817 | 0.632 |
| 87 | 100 | LDR-Biased | 23.941 | 23.958 | 0.017 |
| 88 | 100 | LDR-Biased | 23.673 | 23.204 | -0.469 |
| 90 | 100 | LDR-Biased | 23.55 | 23.207 | -0.343 |
| 91 | 100 | LDR-Unbiased | 23.844 | 24.283 | 0.439 |
| 93 | 100 | LDR-Unbiased | 23.779 | 23.064 | -0.715 |
| 94 | 100 | LDR-Unbiased | 23.67 | 23.675 | 0.005 |
| 95 | 100 | LDR-Unbiased | 23.549 | 24.009 | 0.46 |
| 96 | 100 | LDR-Unbiased | 24.337 | 23.421 | -0.916 |
| 106 | 50 | LDR-Biased | 23.675 | 23.982 | 0.307 |
| 108 | 50 | LDR-Biased | 23.547 | 23.696 | 0.149 |
| 109 | 50 | LDR-Biased | 23.538 | 23.178 | -0.36 |
| 110 | 50 | LDR-Biased | 23.462 | 23.345 | -0.117 |
| 111 | 50 | LDR-Biased | 23.777 | 23.538 | -0.239 |
| 112 | 50 | LDR-Unbiased | 24.02 | 23.475 | -0.545 |
| 113 | 50 | LDR-Unbiased | 23.901 | 23.365 | -0.536 |
| 115 | 50 | LDR-Unbiased | 23.66 | 23.687 | 0.027 |
| 116 | 50 | LDR-Unbiased | 23.185 | 23.961 | 0.776 |
| 117 | 50 | LDR-Unbiased | 24.332 | 23.226 | -1.106 |




Test Statistics (mSec)

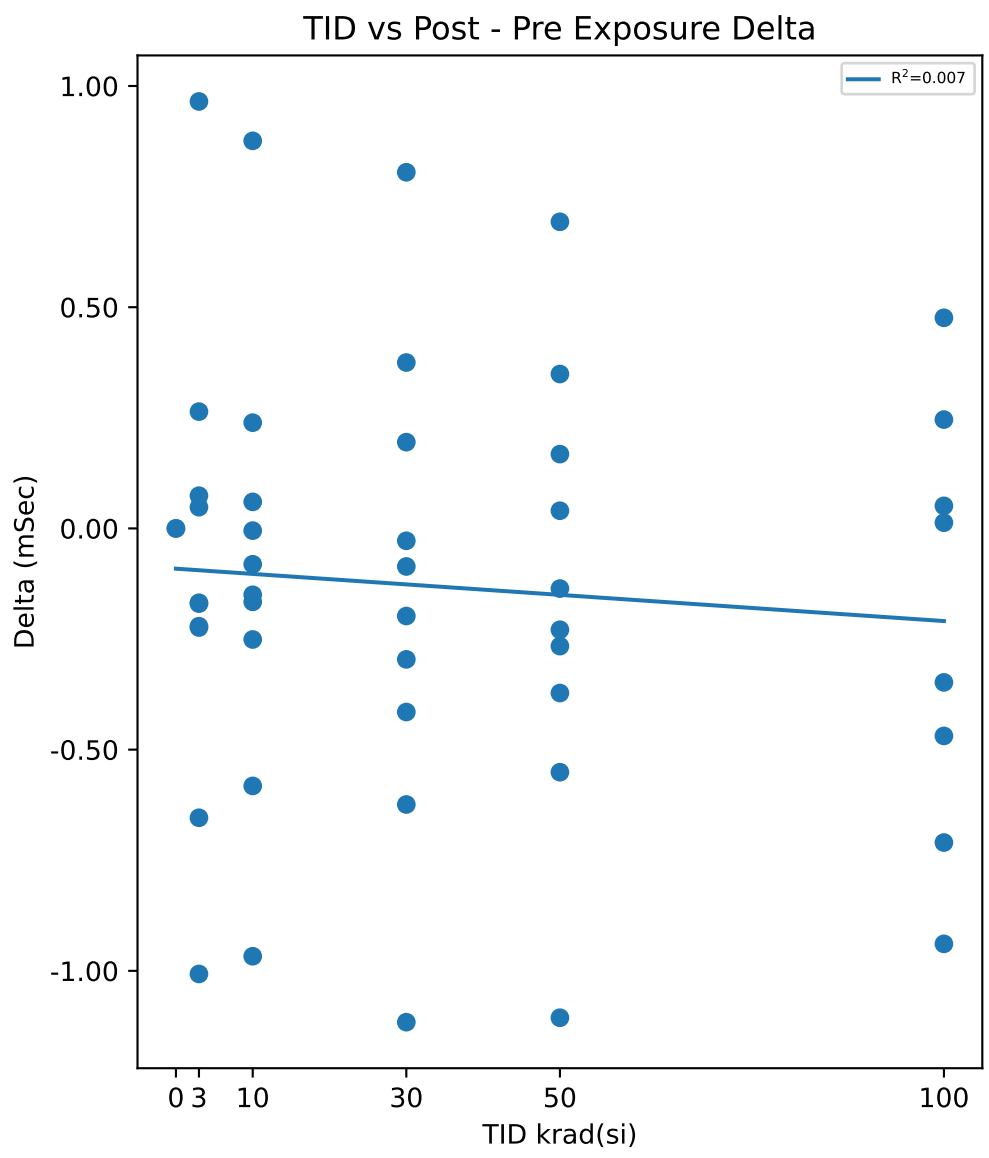
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.213 | 23.364 | 23.515 | 0.21355 | 23.213 | 23.364 | 23.515 | 0.21355 | 0 | 0 | 0 | 0 |
| 3 | 23.185 | 23.71 | 24.332 | 0.31989 | 23.142 | 23.567 | 24.163 | 0.35512 | -1.187 | -0.1428 | 0.978 | 0.57262 |
| 10 | 23.185 | 23.71 | 24.332 | 0.31989 | 23.161 | 23.558 | 24.042 | 0.31719 | -0.966 | -0.1513 | 0.857 | 0.50646 |
| 30 | 23.185 | 23.71 | 24.332 | 0.31989 | 23.263 | 23.546 | 24.001 | 0.27226 | -1.069 | -0.164 | 0.632 | 0.48789 |
| 50 | 23.185 | 23.71 | 24.332 | 0.31989 | 23.178 | 23.545 | 23.982 | 0.283 | -1.106 | -0.1644 | 0.776 | 0.5225 |
| 100 | 23.549 | 23.793 | 24.337 | 0.25877 | 23.064 | 23.603 | 24.283 | 0.44691 | -0.916 | -0.19025 | 0.46 | 0.50751 |

# Device Test: 4.11 treg_Res1p18M_SENSE4/SENSE4/1.6/3/0/1.18M/0/@REG_TIME_1MOHM




Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

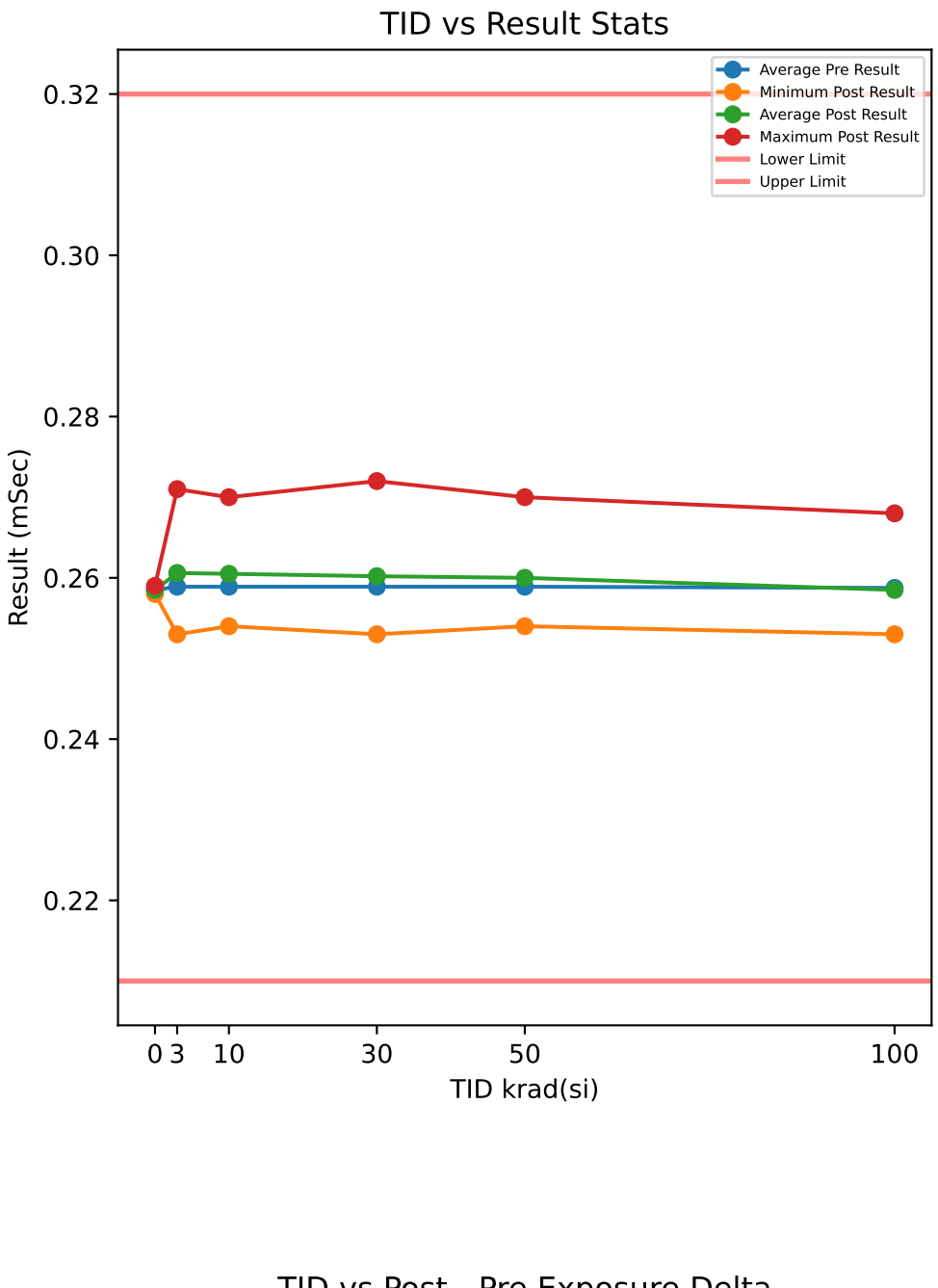
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.189 | 23.189 | 0 |
| 7 | 0 | Correlation | 23.674 | 23.674 | 0 |
| 16 | 3 | LDR-Biased | 23.647 | 23.911 | 0.264 |
| 18 | 3 | LDR-Biased | 23.531 | 23.579 | 0.048 |
| 19 | 3 | LDR-Biased | 23.526 | 23.302 | -0.224 |
| 20 | 3 | LDR-Biased | 23.438 | 23.27 | -0.168 |
| 21 | 3 | LDR-Biased | 23.753 | 23.583 | -0.17 |
| 22 | 3 | LDR-Unbiased | 24.008 | 23.787 | -0.221 |
| 23 | 3 | LDR-Unbiased | 23.877 | 23.223 | -0.654 |
| 25 | 3 | LDR-Unbiased | 23.643 | 23.717 | 0.074 |
| 26 | 3 | LDR-Unbiased | 23.171 | 24.136 | 0.965 |
| 27 | 3 | LDR-Unbiased | 24.309 | 23.302 | -1.007 |
| 46 | 10 | LDR-Biased | 23.647 | 23.886 | 0.239 |
| 48 | 10 | LDR-Biased | 23.531 | 23.526 | -0.005 |
| 49 | 10 | LDR-Biased | 23.526 | 23.36 | -0.166 |
| 50 | 10 | LDR-Biased | 23.438 | 23.357 | -0.081 |
| 51 | 10 | LDR-Biased | 23.753 | 23.603 | -0.15 |
| 52 | 10 | LDR-Unbiased | 24.008 | 23.757 | -0.251 |
| 53 | 10 | LDR-Unbiased | 23.877 | 23.295 | -0.582 |
| 55 | 10 | LDR-Unbiased | 23.643 | 23.703 | 0.06 |
| 56 | 10 | LDR-Unbiased | 23.171 | 24.047 | 0.876 |
| 57 | 10 | LDR-Unbiased | 24.309 | 23.342 | -0.967 |
| 76 | 30 | LDR-Biased | 23.647 | 24.022 | 0.375 |
| 78 | 30 | LDR-Biased | 23.531 | 23.503 | -0.028 |
| 79 | 30 | LDR-Biased | 23.526 | 23.328 | -0.198 |
| 80 | 30 | LDR-Biased | 23.438 | 23.352 | -0.086 |
| 81 | 30 | LDR-Biased | 23.753 | 23.457 | -0.296 |
| 82 | 30 | LDR-Unbiased | 24.008 | 23.593 | -0.415 |
| 83 | 30 | LDR-Unbiased | 23.877 | 23.253 | -0.624 |
| 84 | 30 | LDR-Unbiased | 24.309 | 23.193 | -1.116 |
| 85 | 30 | LDR-Unbiased | 23.643 | 23.838 | 0.195 |
| 86 | 30 | LDR-Unbiased | 23.171 | 23.976 | 0.805 |
| 87 | 100 | LDR-Biased | 23.899 | 23.912 | 0.013 |
| 88 | 100 | LDR-Biased | 23.648 | 23.179 | -0.469 |
| 90 | 100 | LDR-Biased | 23.527 | 23.179 | -0.348 |
| 91 | 100 | LDR-Unbiased | 24.01 | 24.256 | 0.246 |
| 93 | 100 | LDR-Unbiased | 23.757 | 23.047 | -0.71 |
| 94 | 100 | LDR-Unbiased | 23.613 | 23.664 | 0.051 |
| 95 | 100 | LDR-Unbiased | 23.522 | 23.998 | 0.476 |
| 96 | 100 | LDR-Unbiased | 24.311 | 23.372 | -0.939 |
| 106 | 50 | LDR-Biased | 23.647 | 23.996 | 0.349 |
| 108 | 50 | LDR-Biased | 23.531 | 23.699 | 0.168 |
| 109 | 50 | LDR-Biased | 23.526 | 23.297 | -0.229 |
| 110 | 50 | LDR-Biased | 23.438 | 23.302 | -0.136 |
| 111 | 50 | LDR-Biased | 23.753 | 23.487 | -0.266 |
| 112 | 50 | LDR-Unbiased | 24.008 | 23.636 | -0.372 |
| 113 | 50 | LDR-Unbiased | 23.877 | 23.326 | -0.551 |
| 115 | 50 | LDR-Unbiased | 23.643 | 23.683 | 0.04 |
| 116 | 50 | LDR-Unbiased | 23.171 | 23.864 | 0.693 |
| 117 | 50 | LDR-Unbiased | 24.309 | 23.203 | -1.106 |

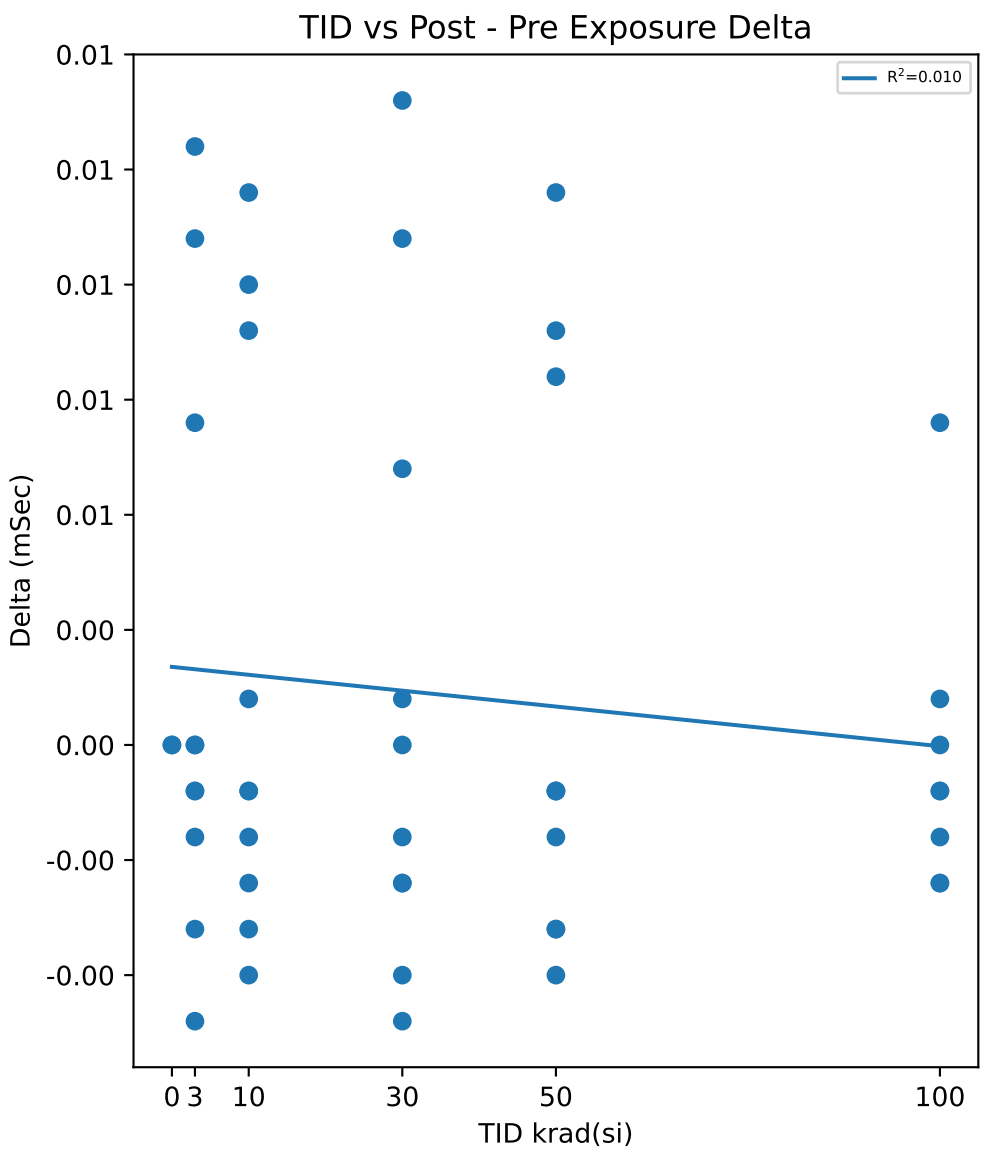



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.189 | 23.431 | 23.674 | 0.34295 | 23.189 | 23.431 | 23.674 | 0.34295 | 0 | 0 | 0 | 0 |
| 3 | 23.171 | 23.69 | 24.309 | 0.31839 | 23.223 | 23.581 | 24.136 | 0.30884 | -1.007 | -0.1093 | 0.965 | 0.52569 |
| 10 | 23.171 | 23.69 | 24.309 | 0.31839 | 23.295 | 23.588 | 24.047 | 0.25756 | -0.967 | -0.1027 | 0.876 | 0.48489 |
| 30 | 23.171 | 23.69 | 24.309 | 0.31839 | 23.193 | 23.551 | 24.022 | 0.29889 | -1.116 | -0.1388 | 0.805 | 0.53501 |
| 50 | 23.171 | 23.69 | 24.309 | 0.31839 | 23.203 | 23.549 | 23.996 | 0.26768 | -1.106 | -0.141 | 0.693 | 0.49889 |
| 100 | 23.522 | 23.786 | 24.311 | 0.2739 | 23.047 | 23.576 | 24.256 | 0.44686 | -0.939 | -0.21 | 0.476 | 0.48755 |

# Device Test: 4.12 treg_Res10p5K_SENSE1/SENSE1/1.6/14/0/10.5K/0/@REG_TIME_10KOHM



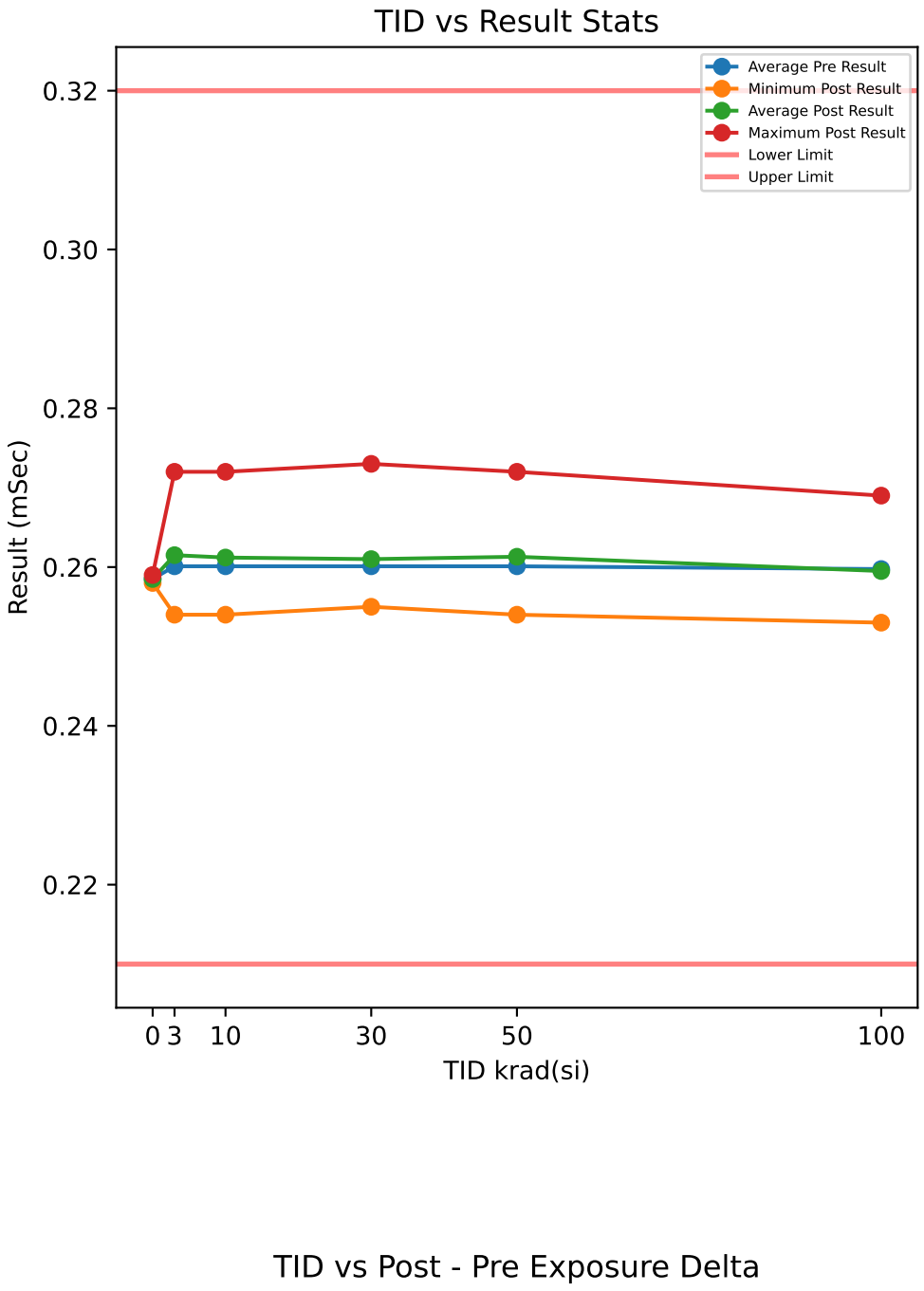

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

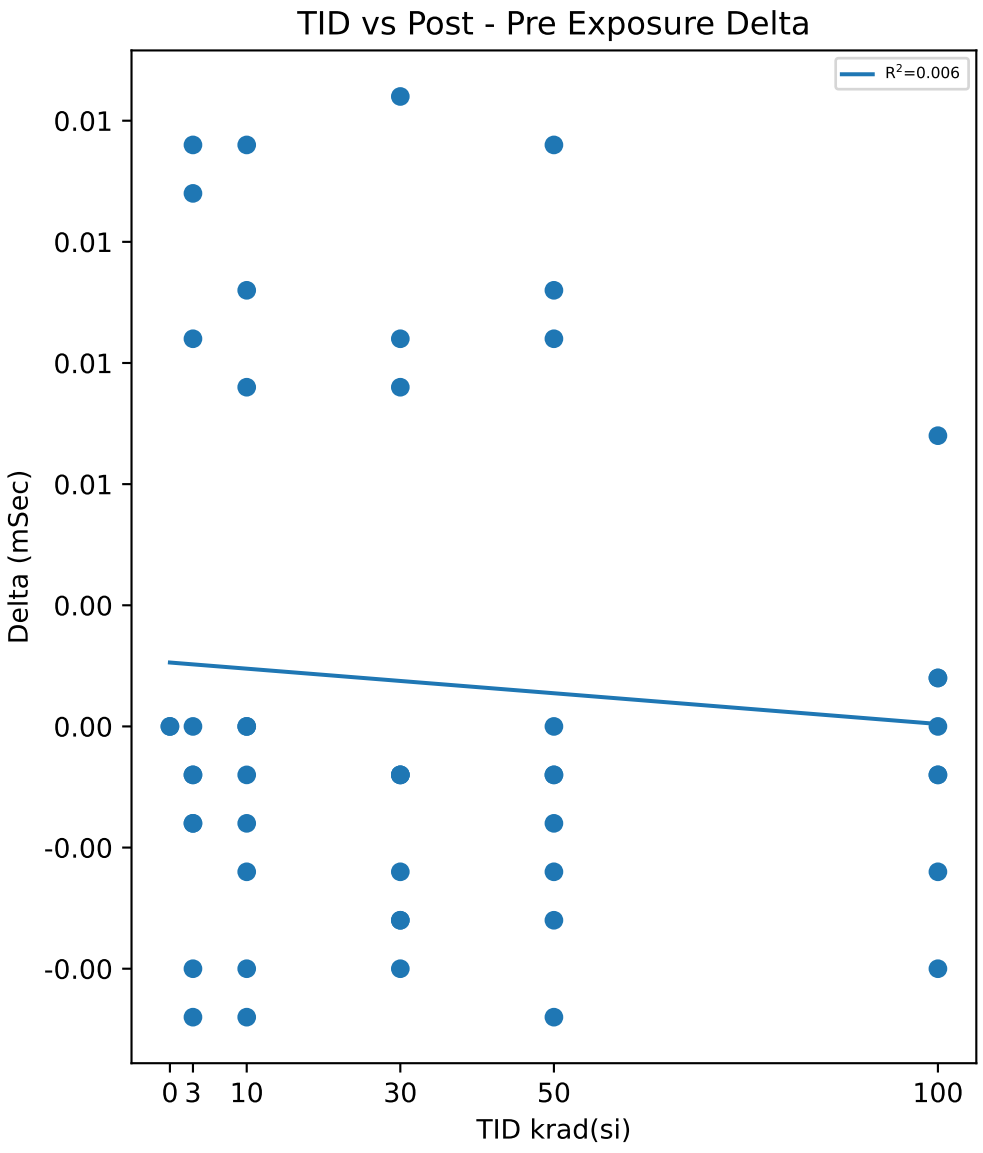
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.258 | 0.258 | 0 |
| 7 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 16 | 3 | LDR-Biased | 0.258 | 0.271 | 0.013 |
| 18 | 3 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 19 | 3 | LDR-Biased | 0.253 | 0.26 | 0.007 |
| 20 | 3 | LDR-Biased | 0.259 | 0.259 | 0 |
| 21 | 3 | LDR-Biased | 0.259 | 0.259 | 0 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 23 | 3 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.259 | 0.253 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.258 | 0.269 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 46 | 10 | LDR-Biased | 0.258 | 0.27 | 0.012 |
| 48 | 10 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 49 | 10 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 50 | 10 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 51 | 10 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 53 | 10 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.259 | 0.254 | -0.005 |
| 56 | 10 | LDR-Unbiased | 0.258 | 0.268 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 76 | 30 | LDR-Biased | 0.258 | 0.272 | 0.014 |
| 78 | 30 | LDR-Biased | 0.26 | 0.257 | -0.003 |
| 79 | 30 | LDR-Biased | 0.253 | 0.259 | 0.006 |
| 80 | 30 | LDR-Biased | 0.259 | 0.259 | 0 |
| 81 | 30 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.256 | -0.005 |
| 83 | 30 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.259 | 0.253 | -0.006 |
| 86 | 30 | LDR-Unbiased | 0.258 | 0.269 | 0.011 |
| 87 | 100 | LDR-Biased | 0.257 | 0.258 | 0.001 |
| 88 | 100 | LDR-Biased | 0.259 | 0.257 | -0.002 |
| 90 | 100 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.261 | 0.268 | 0.007 |
| 93 | 100 | LDR-Unbiased | 0.259 | 0.256 | -0.003 |
| 94 | 100 | LDR-Unbiased | 0.259 | 0.258 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.256 | 0.253 | -0.003 |
| 96 | 100 | LDR-Unbiased | 0.26 | 0.26 | 0 |
| 106 | 50 | LDR-Biased | 0.258 | 0.27 | 0.012 |
| 108 | 50 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 109 | 50 | LDR-Biased | 0.253 | 0.261 | 0.008 |
| 110 | 50 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 111 | 50 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.259 | 0.254 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.258 | 0.267 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.258 | 0.2585 | 0.259 | 0.00070711 | 0.258 | 0.2585 | 0.259 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.253 | 0.2589 | 0.261 | 0.0023781 | 0.253 | 0.2606 | 0.271 | 0.005379 | -0.006 | 0.0017 | 0.013 | 0.0063953 |
| 10 | 0.253 | 0.2589 | 0.261 | 0.0023781 | 0.254 | 0.2605 | 0.27 | 0.0049497 | -0.005 | 0.0016 | 0.012 | 0.0062929 |
| 30 | 0.253 | 0.2589 | 0.261 | 0.0023781 | 0.253 | 0.2602 | 0.272 | 0.0058271 | -0.006 | 0.0013 | 0.014 | 0.0068321 |
| 50 | 0.253 | 0.2589 | 0.261 | 0.0023781 | 0.254 | 0.26 | 0.27 | 0.004899 | -0.005 | 0.0011 | 0.012 | 0.0061545 |
| 100 | 0.256 | 0.25875 | 0.261 | 0.0015811 | 0.253 | 0.2585 | 0.268 | 0.0043425 | -0.003 | -0.00025 | 0.007 | 0.0032404 |

# Device Test: 4.13 treg_Res10p5K_SENSE2/SENSE2/1.6/14/0/10.5K/0/@REG_TIME_10KOHM



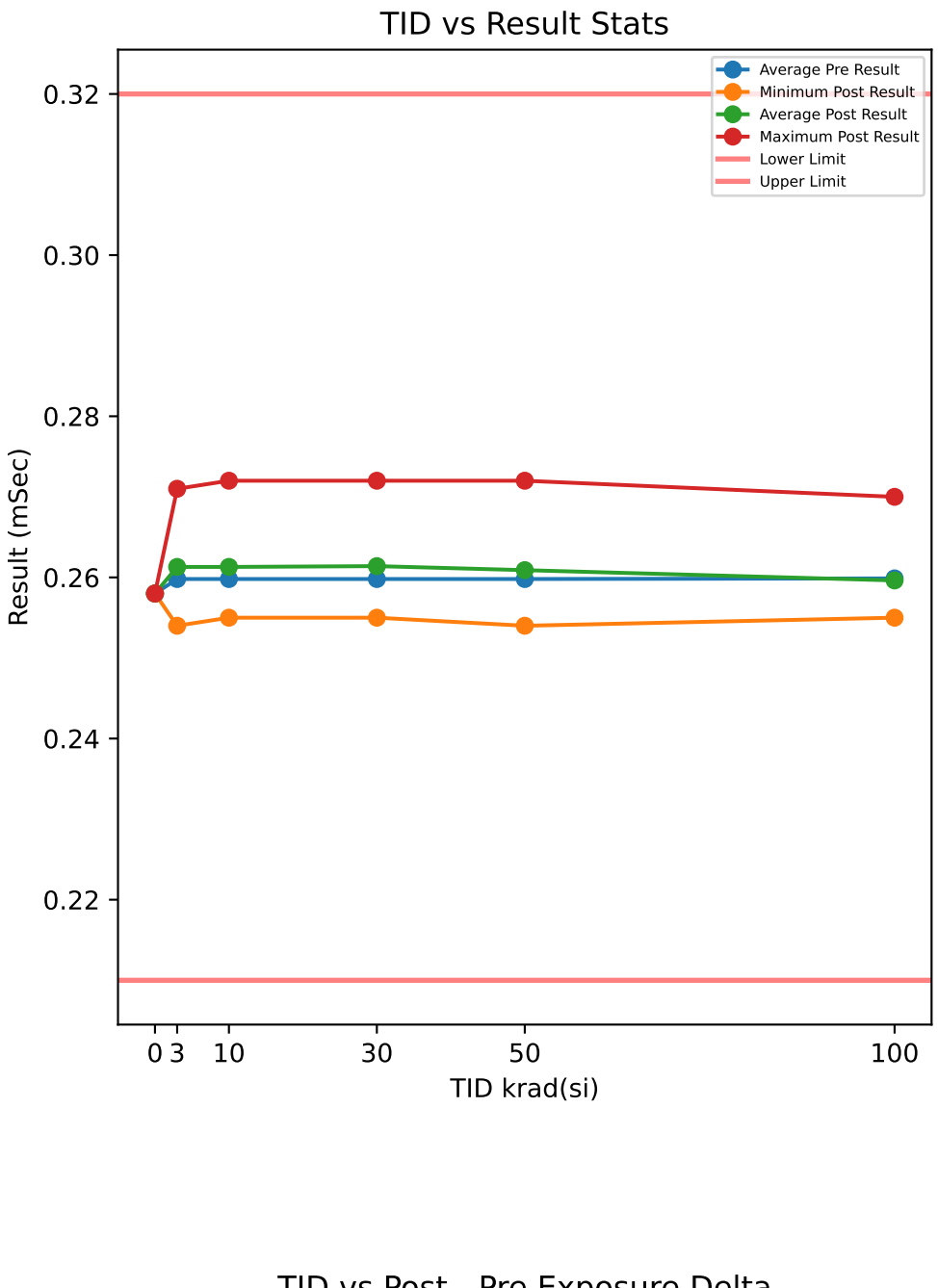

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

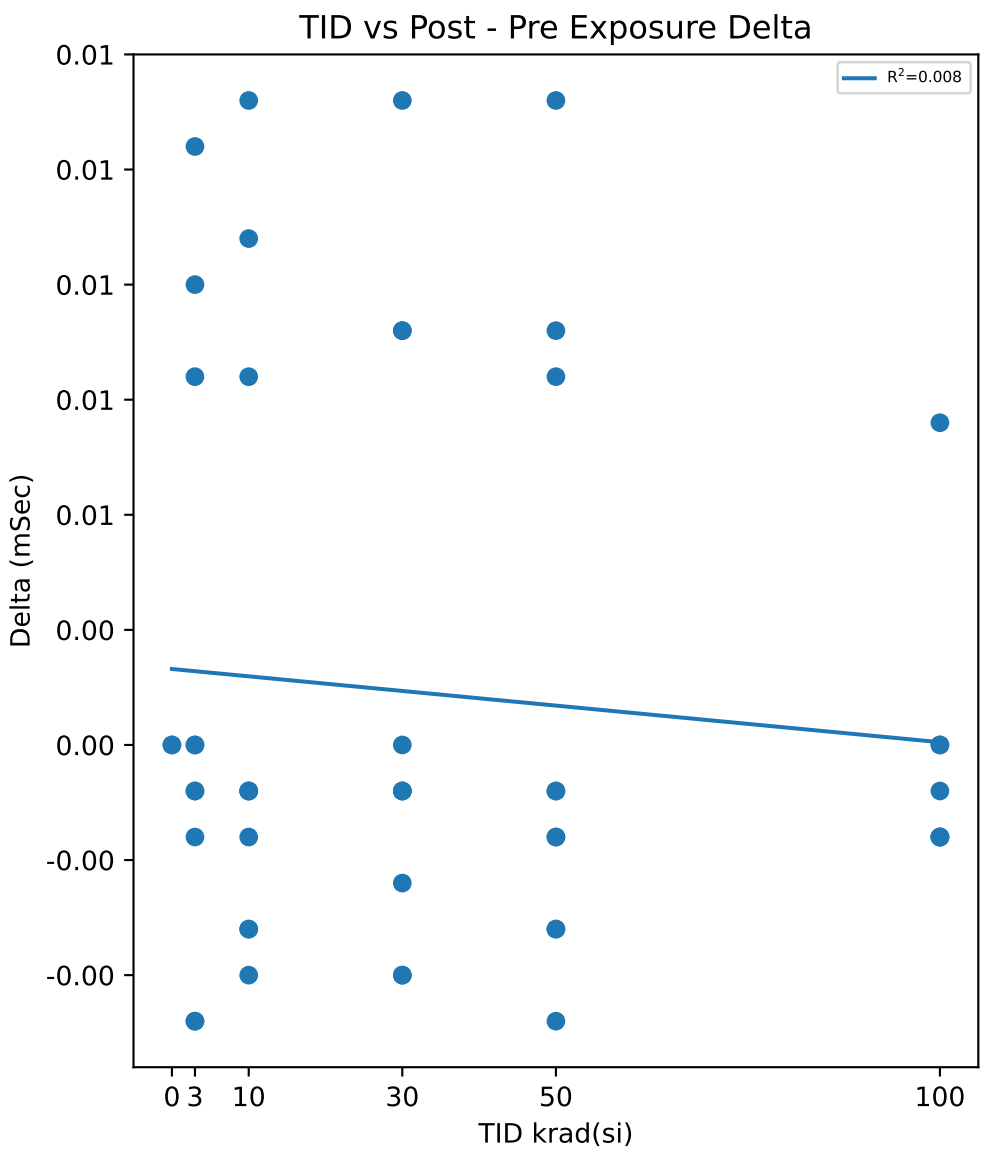
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 7 | 0 | Correlation | 0.258 | 0.258 | 0 |
| 16 | 3 | LDR-Biased | 0.26 | 0.272 | 0.012 |
| 18 | 3 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 19 | 3 | LDR-Biased | 0.254 | 0.262 | 0.008 |
| 20 | 3 | LDR-Biased | 0.26 | 0.26 | 0 |
| 21 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.257 | -0.005 |
| 23 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 46 | 10 | LDR-Biased | 0.26 | 0.272 | 0.012 |
| 48 | 10 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 49 | 10 | LDR-Biased | 0.254 | 0.261 | 0.007 |
| 50 | 10 | LDR-Biased | 0.26 | 0.26 | 0 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.257 | -0.005 |
| 53 | 10 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.269 | 0.009 |
| 57 | 10 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 76 | 30 | LDR-Biased | 0.26 | 0.273 | 0.013 |
| 78 | 30 | LDR-Biased | 0.261 | 0.258 | -0.003 |
| 79 | 30 | LDR-Biased | 0.254 | 0.261 | 0.007 |
| 80 | 30 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.26 | 0.255 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.268 | 0.008 |
| 87 | 100 | LDR-Biased | 0.258 | 0.259 | 0.001 |
| 88 | 100 | LDR-Biased | 0.259 | 0.259 | 0 |
| 90 | 100 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.269 | 0.006 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.257 | -0.003 |
| 94 | 100 | LDR-Unbiased | 0.259 | 0.258 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.258 | 0.253 | -0.005 |
| 96 | 100 | LDR-Unbiased | 0.262 | 0.261 | -0.001 |
| 106 | 50 | LDR-Biased | 0.26 | 0.272 | 0.012 |
| 108 | 50 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 109 | 50 | LDR-Biased | 0.254 | 0.262 | 0.008 |
| 110 | 50 | LDR-Biased | 0.26 | 0.26 | 0 |
| 111 | 50 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.269 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.258 | 0.2585 | 0.259 | 0.00070711 | 0.258 | 0.2585 | 0.259 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.254 | 0.2601 | 0.262 | 0.0022828 | 0.254 | 0.2615 | 0.272 | 0.0057009 | -0.006 | 0.0014 | 0.012 | 0.0065013 |
| 10 | 0.254 | 0.2601 | 0.262 | 0.0022828 | 0.254 | 0.2612 | 0.272 | 0.0053707 | -0.006 | 0.0011 | 0.012 | 0.0061183 |
| 30 | 0.254 | 0.2601 | 0.262 | 0.0022828 | 0.255 | 0.261 | 0.273 | 0.0053955 | -0.005 | 0.0009 | 0.013 | 0.0061725 |
| 50 | 0.254 | 0.2601 | 0.262 | 0.0022828 | 0.254 | 0.2613 | 0.272 | 0.0053135 | -0.006 | 0.0012 | 0.012 | 0.0061608 |
| 100 | 0.258 | 0.25975 | 0.263 | 0.0018323 | 0.253 | 0.2595 | 0.269 | 0.0045356 | -0.005 | -0.00025 | 0.006 | 0.0032404 |

# Device Test: 4.14 treg_Res10p5K_SENSE3/SENSE3/1.6/14/0/10.5K/0/@REG_TIME_10KOHM



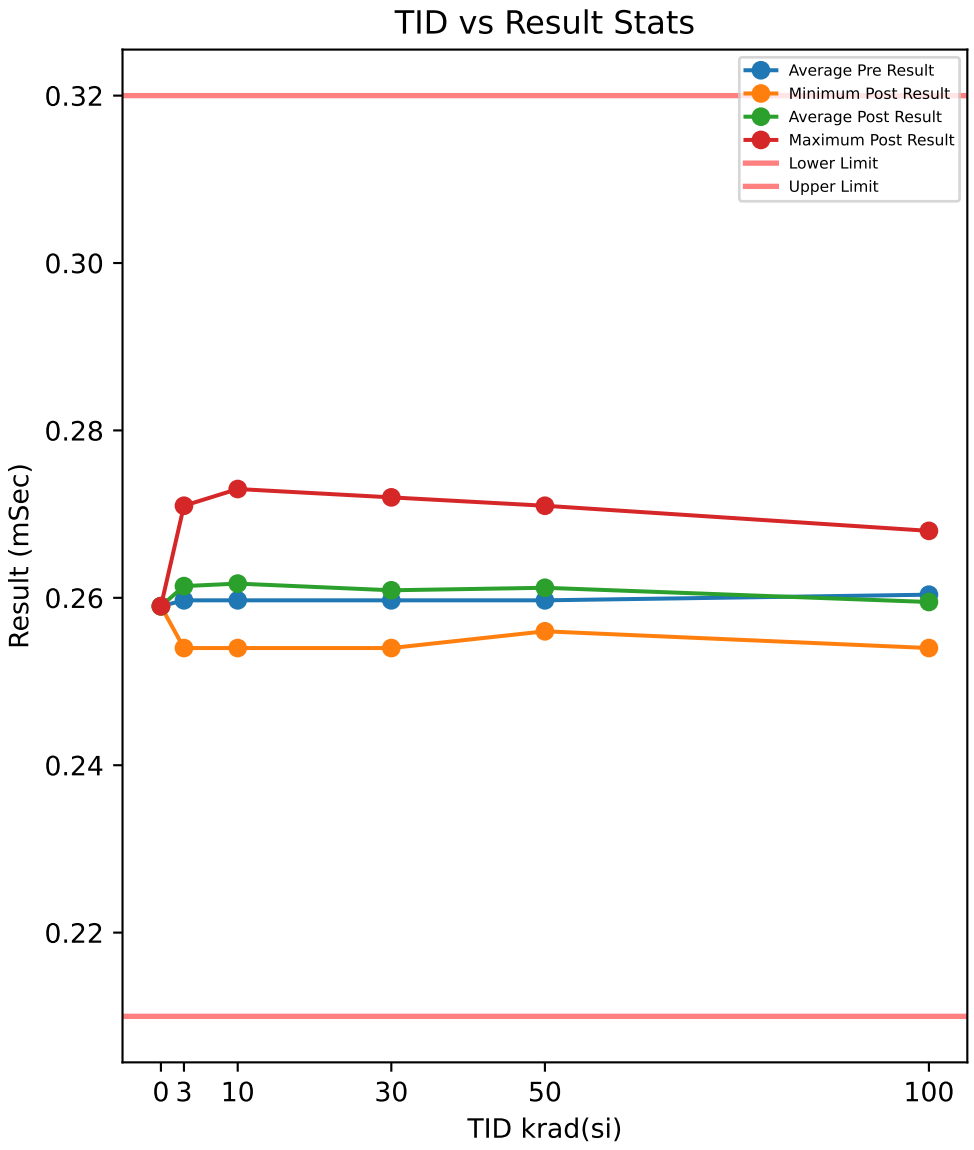

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

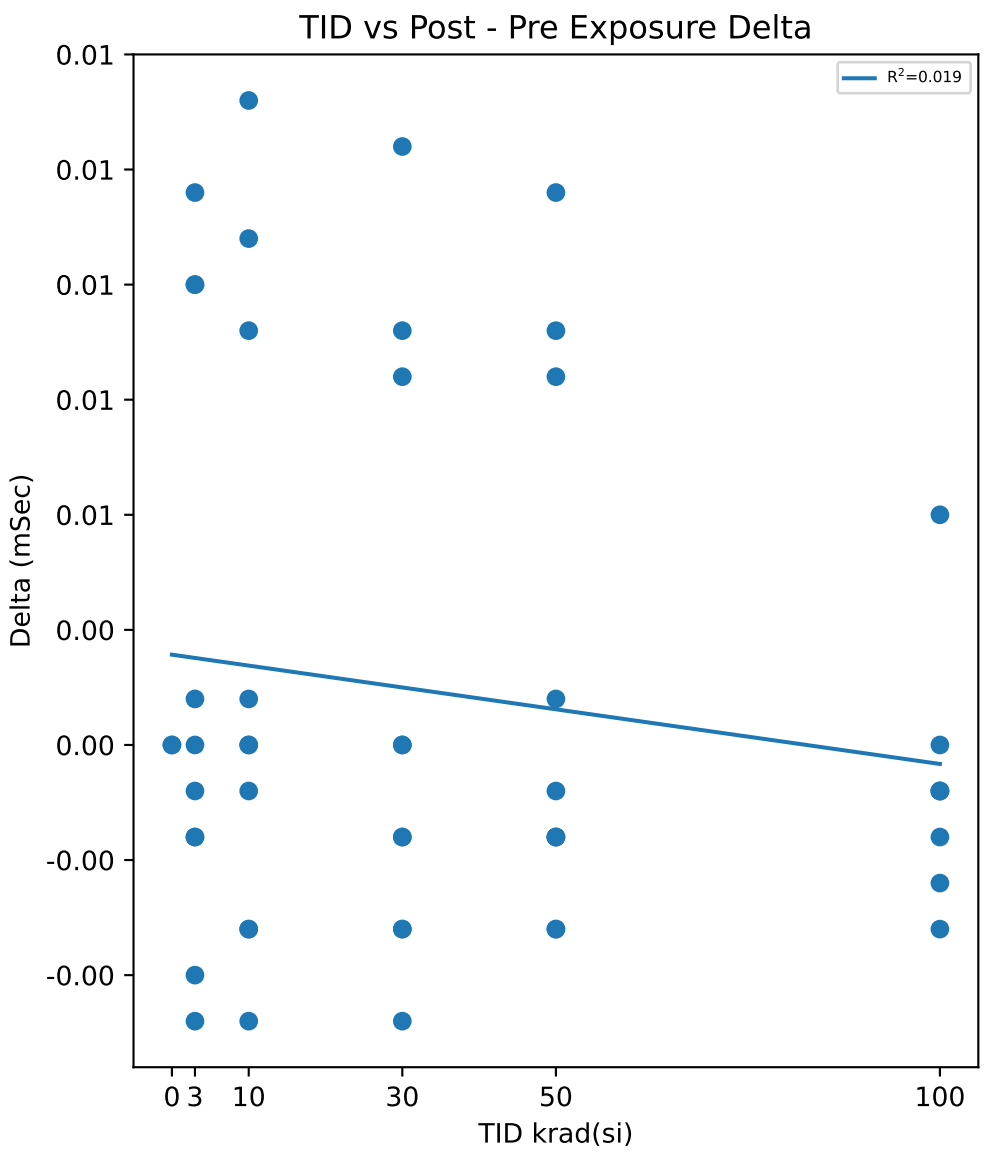
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.258 | 0.258 | 0 |
| 7 | 0 | Correlation | 0.258 | 0.258 | 0 |
| 16 | 3 | LDR-Biased | 0.258 | 0.271 | 0.013 |
| 18 | 3 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 19 | 3 | LDR-Biased | 0.253 | 0.261 | 0.008 |
| 20 | 3 | LDR-Biased | 0.26 | 0.26 | 0 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.263 | 0.257 | -0.006 |
| 23 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 46 | 10 | LDR-Biased | 0.258 | 0.272 | 0.014 |
| 48 | 10 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 49 | 10 | LDR-Biased | 0.253 | 0.261 | 0.008 |
| 50 | 10 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 51 | 10 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 53 | 10 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.26 | 0.255 | -0.005 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 76 | 30 | LDR-Biased | 0.258 | 0.272 | 0.014 |
| 78 | 30 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 79 | 30 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 80 | 30 | LDR-Biased | 0.26 | 0.26 | 0 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 83 | 30 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.26 | 0.255 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.269 | 0.009 |
| 87 | 100 | LDR-Biased | 0.259 | 0.257 | -0.002 |
| 88 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 90 | 100 | LDR-Biased | 0.259 | 0.259 | 0 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.258 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.26 | 0.258 | -0.002 |
| 95 | 100 | LDR-Unbiased | 0.257 | 0.255 | -0.002 |
| 96 | 100 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 106 | 50 | LDR-Biased | 0.258 | 0.272 | 0.014 |
| 108 | 50 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 109 | 50 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 110 | 50 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 111 | 50 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.268 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.258 | 0.258 | 0.258 | 0 | 0.258 | 0.258 | 0.258 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.253 | 0.2598 | 0.263 | 0.0027406 | 0.254 | 0.2613 | 0.271 | 0.0052926 | -0.006 | 0.0015 | 0.013 | 0.0065701 |
| 10 | 0.253 | 0.2598 | 0.263 | 0.0027406 | 0.255 | 0.2613 | 0.272 | 0.0055986 | -0.005 | 0.0015 | 0.014 | 0.0068516 |
| 30 | 0.253 | 0.2598 | 0.263 | 0.0027406 | 0.255 | 0.2614 | 0.272 | 0.0051683 | -0.005 | 0.0016 | 0.014 | 0.0066198 |
| 50 | 0.253 | 0.2598 | 0.263 | 0.0027406 | 0.254 | 0.2609 | 0.272 | 0.0052799 | -0.006 | 0.0011 | 0.014 | 0.0067239 |
| 100 | 0.257 | 0.25988 | 0.263 | 0.0017269 | 0.255 | 0.25962 | 0.27 | 0.0045336 | -0.002 | -0.00025 | 0.007 | 0.0030589 |

# Device Test: 4.15 treg_Res10p5K_SENSE4/SENSE4/1.6/14/0/10.5K/0/@REG_TIME_10KOHM



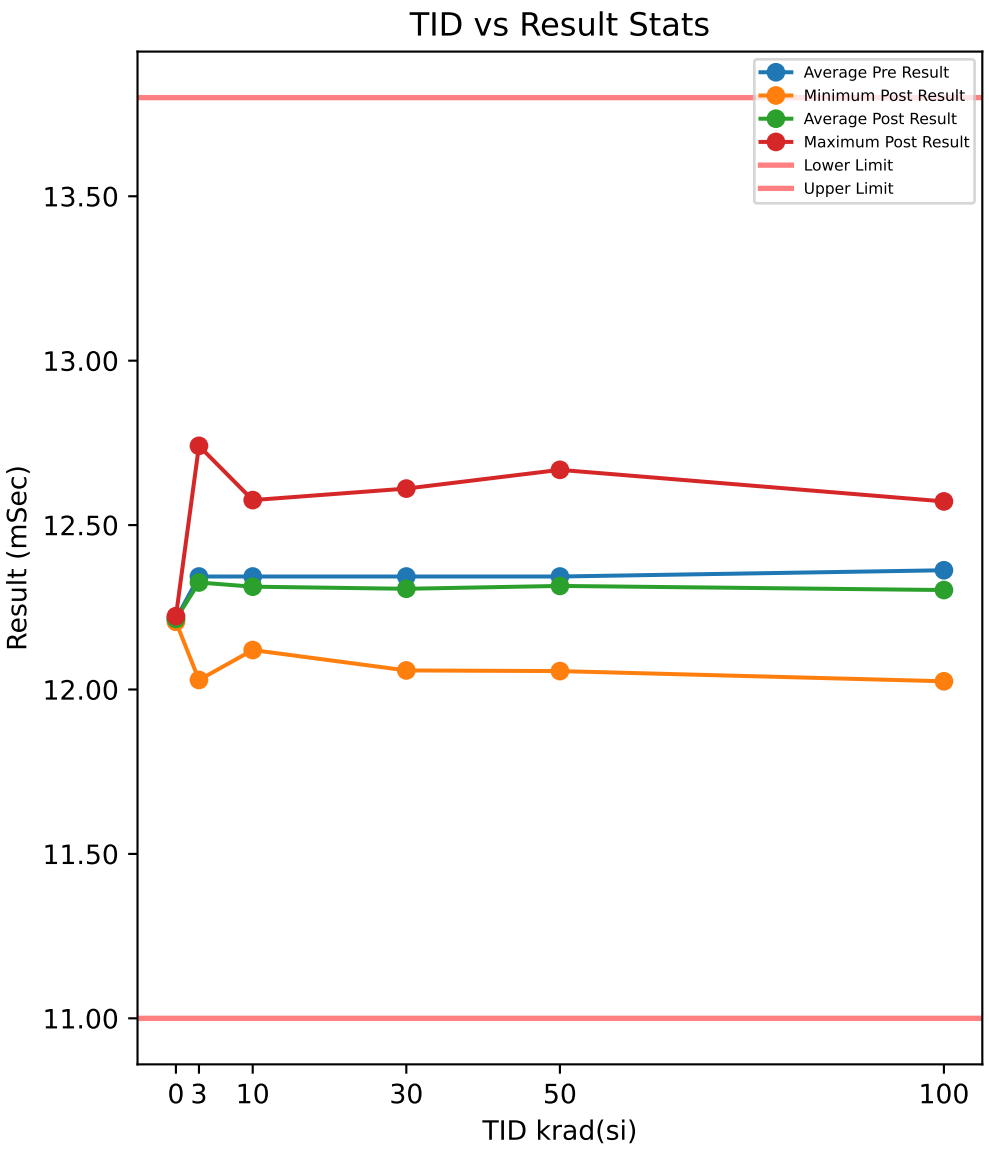

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 7 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 16 | 3 | LDR-Biased | 0.259 | 0.271 | 0.012 |
| 18 | 3 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 19 | 3 | LDR-Biased | 0.253 | 0.263 | 0.01 |
| 20 | 3 | LDR-Biased | 0.26 | 0.26 | 0 |
| 21 | 3 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.257 | -0.005 |
| 23 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 46 | 10 | LDR-Biased | 0.259 | 0.273 | 0.014 |
| 48 | 10 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 49 | 10 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 50 | 10 | LDR-Biased | 0.26 | 0.26 | 0 |
| 51 | 10 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 53 | 10 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 76 | 30 | LDR-Biased | 0.259 | 0.272 | 0.013 |
| 78 | 30 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 79 | 30 | LDR-Biased | 0.253 | 0.261 | 0.008 |
| 80 | 30 | LDR-Biased | 0.26 | 0.26 | 0 |
| 81 | 30 | LDR-Biased | 0.26 | 0.26 | 0 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.269 | 0.009 |
| 87 | 100 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 88 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 90 | 100 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.268 | 0.005 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 94 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 106 | 50 | LDR-Biased | 0.259 | 0.271 | 0.012 |
| 108 | 50 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 109 | 50 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 110 | 50 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 111 | 50 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.26 | 0.256 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.268 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |

Test Statistics (mSec)

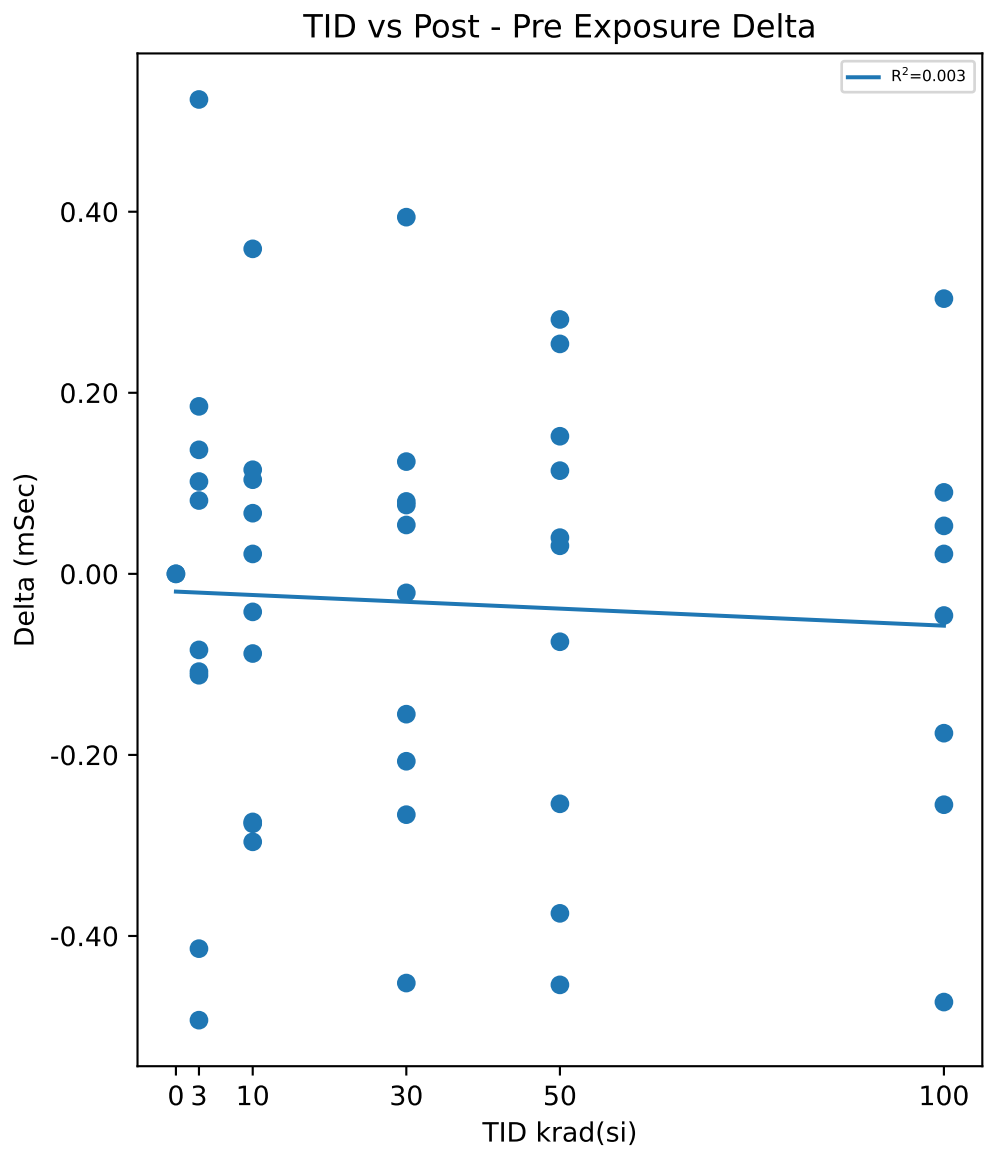
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.259 | 0.259 | 0.259 | 0 | 0.259 | 0.259 | 0.259 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.253 | 0.2597 | 0.262 | 0.0025408 | 0.254 | 0.2614 | 0.271 | 0.005379 | -0.006 | 0.0017 | 0.012 | 0.0065498 |
| 10 | 0.253 | 0.2597 | 0.262 | 0.0025408 | 0.254 | 0.2617 | 0.273 | 0.0058888 | -0.006 | 0.002 | 0.014 | 0.0068961 |
| 30 | 0.253 | 0.2597 | 0.262 | 0.0025408 | 0.254 | 0.2609 | 0.272 | 0.0054457 | -0.006 | 0.0012 | 0.013 | 0.0064601 |
| 50 | 0.253 | 0.2597 | 0.262 | 0.0025408 | 0.256 | 0.2612 | 0.271 | 0.0047329 | -0.004 | 0.0015 | 0.012 | 0.0058926 |
| 100 | 0.258 | 0.26038 | 0.263 | 0.0015059 | 0.254 | 0.2595 | 0.268 | 0.0039641 | -0.004 | -0.000875 | 0.005 | 0.0026959 |

# Device Test: 4.16 treg_Res619K_SENSE1/SENSE1/1.6/14/0/619K/0/@REG_TIME_500KOHM




Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

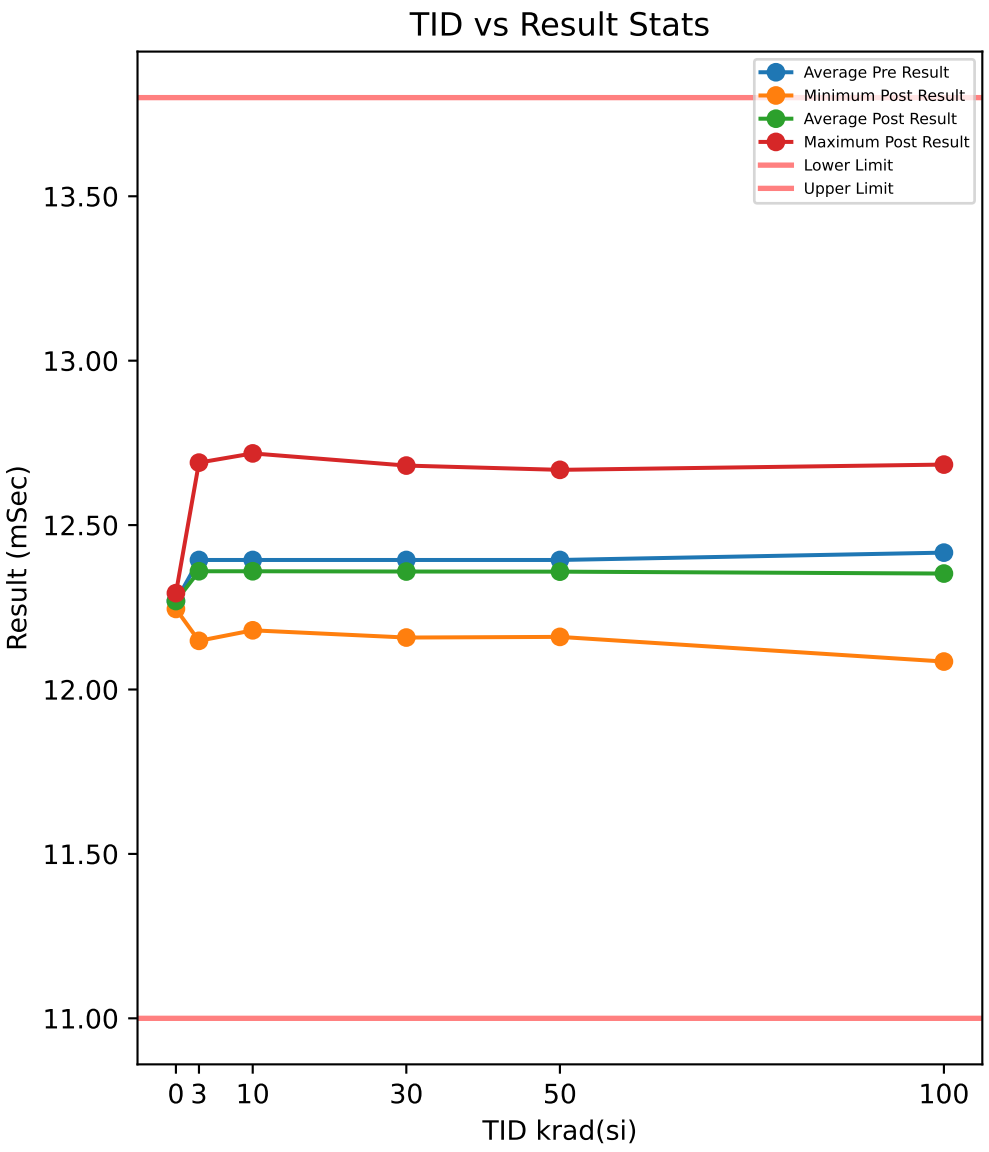
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.223 | 12.223 | 0 |
| 7 | 0 | Correlation | 12.206 | 12.206 | 0 |
| 16 | 3 | LDR-Biased | 12.387 | 12.468 | 0.081 |
| 18 | 3 | LDR-Biased | 12.265 | 12.181 | -0.084 |
| 19 | 3 | LDR-Biased | 12.336 | 12.228 | -0.108 |
| 20 | 3 | LDR-Biased | 12.162 | 12.299 | 0.137 |
| 21 | 3 | LDR-Biased | 12.282 | 12.384 | 0.102 |
| 22 | 3 | LDR-Unbiased | 12.547 | 12.435 | -0.112 |
| 23 | 3 | LDR-Unbiased | 12.522 | 12.029 | -0.493 |
| 25 | 3 | LDR-Unbiased | 12.208 | 12.393 | 0.185 |
| 26 | 3 | LDR-Unbiased | 12.217 | 12.741 | 0.524 |
| 27 | 3 | LDR-Unbiased | 12.51 | 12.096 | -0.414 |
| 46 | 10 | LDR-Biased | 12.387 | 12.491 | 0.104 |
| 48 | 10 | LDR-Biased | 12.265 | 12.332 | 0.067 |
| 49 | 10 | LDR-Biased | 12.336 | 12.248 | -0.088 |
| 50 | 10 | LDR-Biased | 12.162 | 12.12 | -0.042 |
| 51 | 10 | LDR-Biased | 12.282 | 12.397 | 0.115 |
| 52 | 10 | LDR-Unbiased | 12.547 | 12.271 | -0.276 |
| 53 | 10 | LDR-Unbiased | 12.522 | 12.226 | -0.296 |
| 55 | 10 | LDR-Unbiased | 12.208 | 12.23 | 0.022 |
| 56 | 10 | LDR-Unbiased | 12.217 | 12.576 | 0.359 |
| 57 | 10 | LDR-Unbiased | 12.51 | 12.236 | -0.274 |
| 76 | 30 | LDR-Biased | 12.387 | 12.511 | 0.124 |
| 78 | 30 | LDR-Biased | 12.265 | 12.345 | 0.08 |
| 79 | 30 | LDR-Biased | 12.336 | 12.129 | -0.207 |
| 80 | 30 | LDR-Biased | 12.162 | 12.141 | -0.021 |
| 81 | 30 | LDR-Biased | 12.282 | 12.358 | 0.076 |
| 82 | 30 | LDR-Unbiased | 12.547 | 12.392 | -0.155 |
| 83 | 30 | LDR-Unbiased | 12.522 | 12.256 | -0.266 |
| 84 | 30 | LDR-Unbiased | 12.51 | 12.058 | -0.452 |
| 85 | 30 | LDR-Unbiased | 12.208 | 12.262 | 0.054 |
| 86 | 30 | LDR-Unbiased | 12.217 | 12.611 | 0.394 |
| 87 | 100 | LDR-Biased | 12.304 | 12.357 | 0.053 |
| 88 | 100 | LDR-Biased | 12.276 | 12.23 | -0.046 |
| 90 | 100 | LDR-Biased | 12.411 | 12.235 | -0.176 |
| 91 | 100 | LDR-Unbiased | 12.55 | 12.572 | 0.022 |
| 93 | 100 | LDR-Unbiased | 12.28 | 12.025 | -0.255 |
| 94 | 100 | LDR-Unbiased | 12.275 | 12.365 | 0.09 |
| 95 | 100 | LDR-Unbiased | 12.141 | 12.445 | 0.304 |
| 96 | 100 | LDR-Unbiased | 12.664 | 12.191 | -0.473 |
| 106 | 50 | LDR-Biased | 12.387 | 12.668 | 0.281 |
| 108 | 50 | LDR-Biased | 12.265 | 12.417 | 0.152 |
| 109 | 50 | LDR-Biased | 12.336 | 12.261 | -0.075 |
| 110 | 50 | LDR-Biased | 12.162 | 12.276 | 0.114 |
| 111 | 50 | LDR-Biased | 12.282 | 12.322 | 0.04 |
| 112 | 50 | LDR-Unbiased | 12.547 | 12.172 | -0.375 |
| 113 | 50 | LDR-Unbiased | 12.522 | 12.268 | -0.254 |
| 115 | 50 | LDR-Unbiased | 12.208 | 12.239 | 0.031 |
| 116 | 50 | LDR-Unbiased | 12.217 | 12.471 | 0.254 |
| 117 | 50 | LDR-Unbiased | 12.51 | 12.056 | -0.454 |

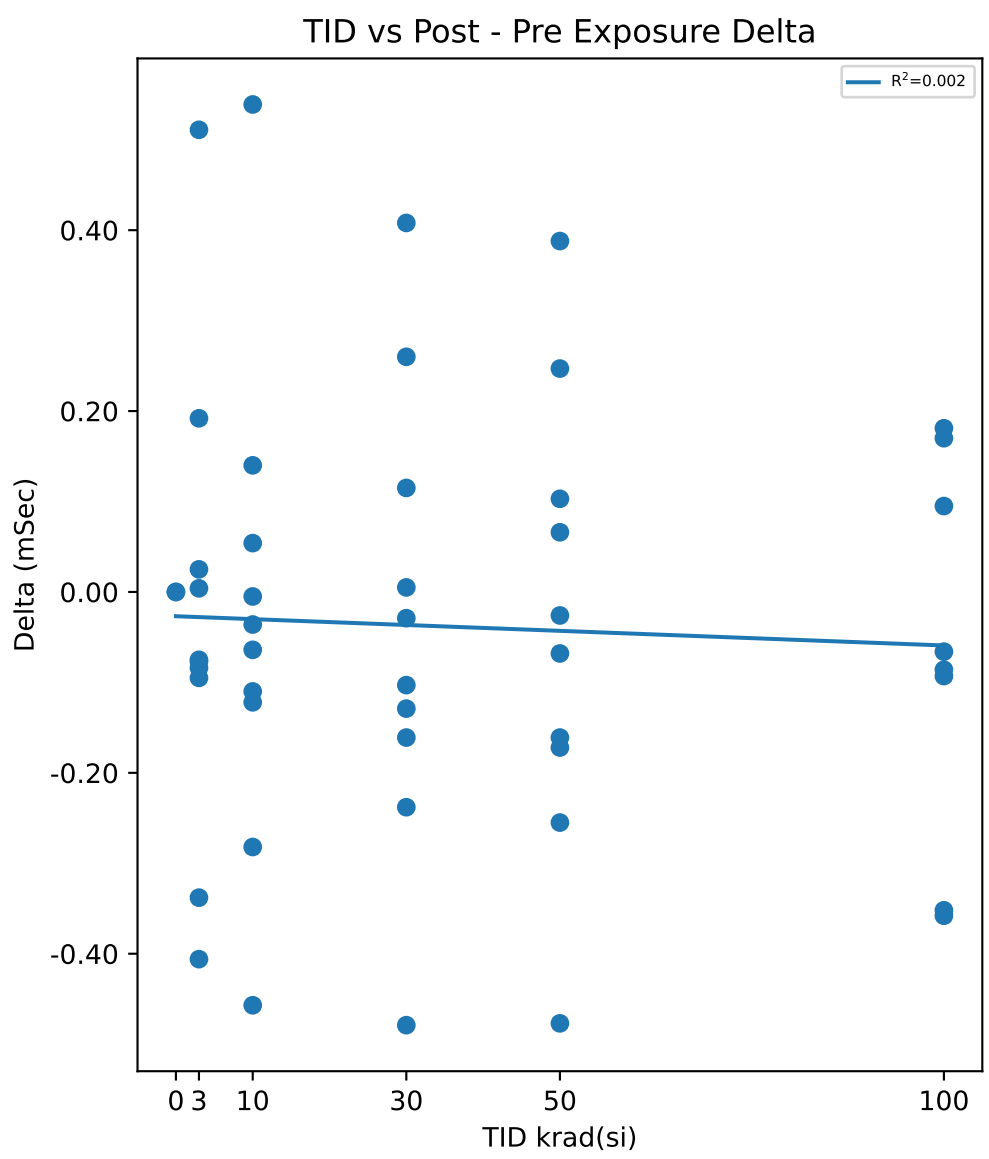



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.206 | 12.215 | 12.223 | 0.012021 | 12.206 | 12.215 | 12.223 | 0.012021 | 0 | 0 | 0 | 0 |
| 3 | 12.162 | 12.344 | 12.547 | 0.1415 | 12.029 | 12.325 | 12.741 | 0.20672 | -0.493 | -0.0182 | 0.524 | 0.2957 |
| 10 | 12.162 | 12.344 | 12.547 | 0.1415 | 12.12 | 12.313 | 12.576 | 0.1382 | -0.296 | -0.0309 | 0.359 | 0.20995 |
| 30 | 12.162 | 12.344 | 12.547 | 0.1415 | 12.058 | 12.306 | 12.611 | 0.17358 | -0.452 | -0.0373 | 0.394 | 0.23902 |
| 50 | 12.162 | 12.344 | 12.547 | 0.1415 | 12.056 | 12.315 | 12.668 | 0.16975 | -0.454 | -0.0286 | 0.281 | 0.25622 |
| 100 | 12.141 | 12.363 | 12.664 | 0.17023 | 12.025 | 12.303 | 12.572 | 0.16863 | -0.473 | -0.060125 | 0.304 | 0.23807 |

# Device Test: 4.17 treg_Res619K_SENSE2/SENSE2/1.6/14/0/619K/0/@REG_TIME_500KOHM



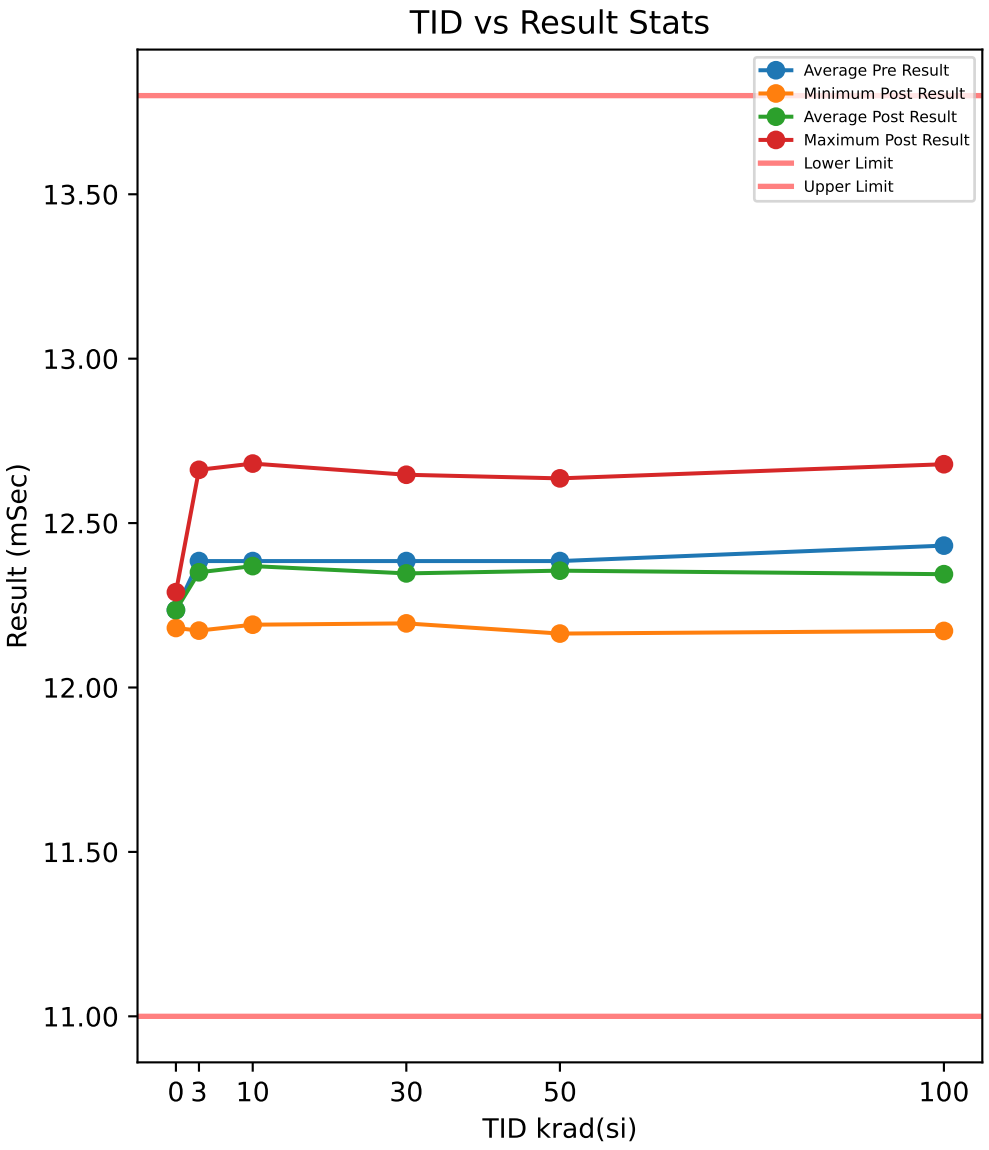

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

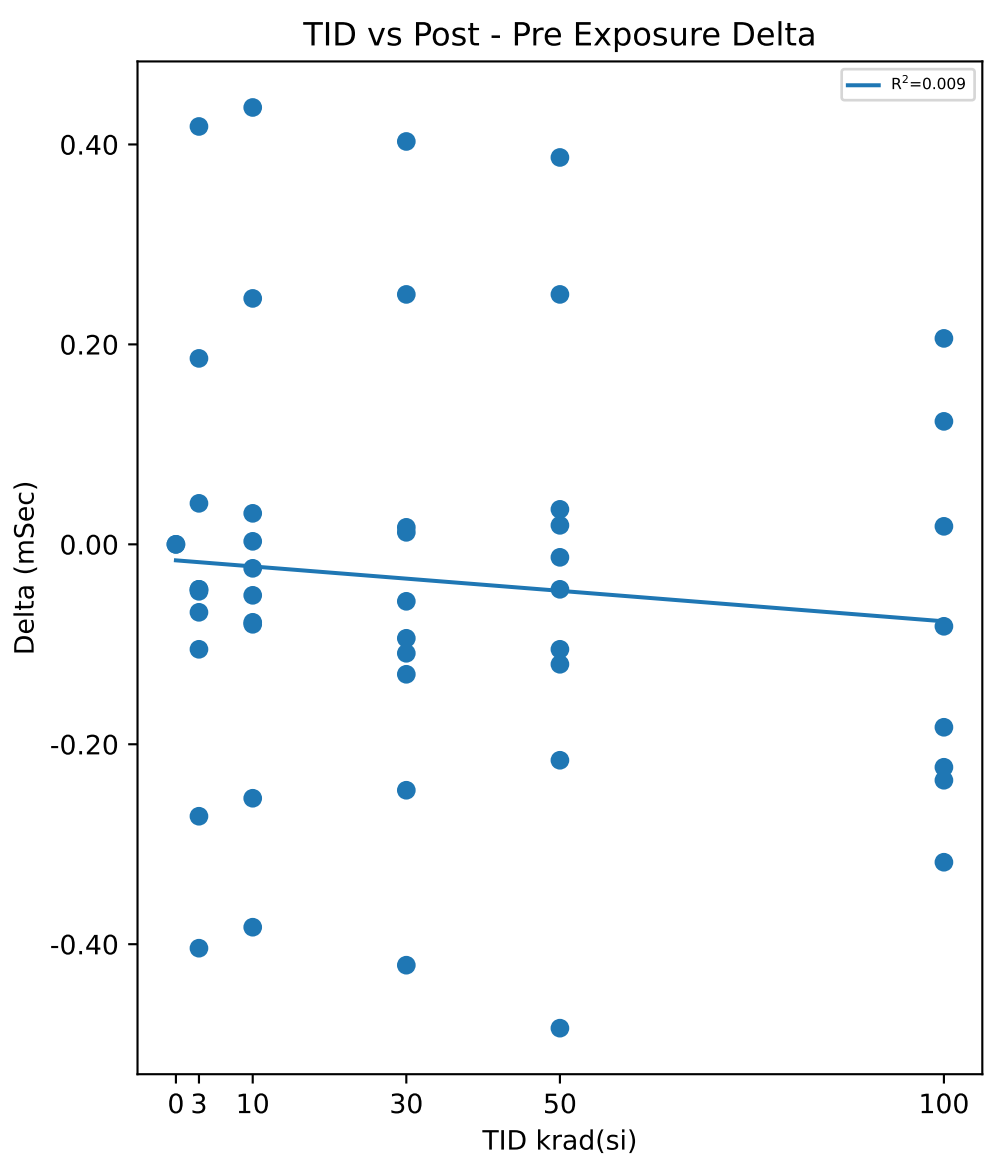
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.245 | 12.245 | 0 |
| 7 | 0 | Correlation | 12.293 | 12.293 | 0 |
| 16 | 3 | LDR-Biased | 12.421 | 12.613 | 0.192 |
| 18 | 3 | LDR-Biased | 12.346 | 12.35 | 0.004 |
| 19 | 3 | LDR-Biased | 12.305 | 12.23 | -0.075 |
| 20 | 3 | LDR-Biased | 12.314 | 12.219 | -0.095 |
| 21 | 3 | LDR-Biased | 12.452 | 12.375 | -0.077 |
| 22 | 3 | LDR-Unbiased | 12.504 | 12.42 | -0.084 |
| 23 | 3 | LDR-Unbiased | 12.486 | 12.148 | -0.338 |
| 25 | 3 | LDR-Unbiased | 12.295 | 12.32 | 0.025 |
| 26 | 3 | LDR-Unbiased | 12.179 | 12.69 | 0.511 |
| 27 | 3 | LDR-Unbiased | 12.637 | 12.231 | -0.406 |
| 46 | 10 | LDR-Biased | 12.421 | 12.561 | 0.14 |
| 48 | 10 | LDR-Biased | 12.346 | 12.341 | -0.005 |
| 49 | 10 | LDR-Biased | 12.305 | 12.195 | -0.11 |
| 50 | 10 | LDR-Biased | 12.314 | 12.278 | -0.036 |
| 51 | 10 | LDR-Biased | 12.452 | 12.388 | -0.064 |
| 52 | 10 | LDR-Unbiased | 12.504 | 12.382 | -0.122 |
| 53 | 10 | LDR-Unbiased | 12.486 | 12.204 | -0.282 |
| 55 | 10 | LDR-Unbiased | 12.295 | 12.349 | 0.054 |
| 56 | 10 | LDR-Unbiased | 12.179 | 12.718 | 0.539 |
| 57 | 10 | LDR-Unbiased | 12.637 | 12.18 | -0.457 |
| 76 | 30 | LDR-Biased | 12.421 | 12.681 | 0.26 |
| 78 | 30 | LDR-Biased | 12.346 | 12.351 | 0.005 |
| 79 | 30 | LDR-Biased | 12.305 | 12.276 | -0.029 |
| 80 | 30 | LDR-Biased | 12.314 | 12.211 | -0.103 |
| 81 | 30 | LDR-Biased | 12.452 | 12.323 | -0.129 |
| 82 | 30 | LDR-Unbiased | 12.504 | 12.343 | -0.161 |
| 83 | 30 | LDR-Unbiased | 12.486 | 12.248 | -0.238 |
| 84 | 30 | LDR-Unbiased | 12.637 | 12.158 | -0.479 |
| 85 | 30 | LDR-Unbiased | 12.295 | 12.41 | 0.115 |
| 86 | 30 | LDR-Unbiased | 12.179 | 12.587 | 0.408 |
| 87 | 100 | LDR-Biased | 12.405 | 12.5 | 0.095 |
| 88 | 100 | LDR-Biased | 12.348 | 12.255 | -0.093 |
| 90 | 100 | LDR-Biased | 12.34 | 12.254 | -0.086 |
| 91 | 100 | LDR-Unbiased | 12.514 | 12.684 | 0.17 |
| 93 | 100 | LDR-Unbiased | 12.443 | 12.085 | -0.358 |
| 94 | 100 | LDR-Unbiased | 12.351 | 12.285 | -0.066 |
| 95 | 100 | LDR-Unbiased | 12.253 | 12.434 | 0.181 |
| 96 | 100 | LDR-Unbiased | 12.676 | 12.324 | -0.352 |
| 106 | 50 | LDR-Biased | 12.421 | 12.668 | 0.247 |
| 108 | 50 | LDR-Biased | 12.346 | 12.412 | 0.066 |
| 109 | 50 | LDR-Biased | 12.305 | 12.237 | -0.068 |
| 110 | 50 | LDR-Biased | 12.314 | 12.288 | -0.026 |
| 111 | 50 | LDR-Biased | 12.452 | 12.28 | -0.172 |
| 112 | 50 | LDR-Unbiased | 12.504 | 12.343 | -0.161 |
| 113 | 50 | LDR-Unbiased | 12.486 | 12.231 | -0.255 |
| 115 | 50 | LDR-Unbiased | 12.295 | 12.398 | 0.103 |
| 116 | 50 | LDR-Unbiased | 12.179 | 12.567 | 0.388 |
| 117 | 50 | LDR-Unbiased | 12.637 | 12.16 | -0.477 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.245 | 12.269 | 12.293 | 0.033941 | 12.245 | 12.269 | 12.293 | 0.033941 | 0 | 0 | 0 | 0 |
| 3 | 12.179 | 12.394 | 12.637 | 0.13181 | 12.148 | 12.36 | 12.69 | 0.17537 | -0.406 | -0.0343 | 0.511 | 0.25681 |
| 10 | 12.179 | 12.394 | 12.637 | 0.13181 | 12.18 | 12.36 | 12.718 | 0.17029 | -0.457 | -0.0343 | 0.539 | 0.2629 |
| 30 | 12.179 | 12.394 | 12.637 | 0.13181 | 12.158 | 12.359 | 12.681 | 0.16377 | -0.479 | -0.0351 | 0.408 | 0.25278 |
| 50 | 12.179 | 12.394 | 12.637 | 0.13181 | 12.16 | 12.358 | 12.668 | 0.15828 | -0.477 | -0.0355 | 0.388 | 0.25106 |
| 100 | 12.253 | 12.416 | 12.676 | 0.13052 | 12.085 | 12.353 | 12.684 | 0.183 | -0.358 | -0.063625 | 0.181 | 0.2107 |

# Device Test: 4.18 treg_Res619K_SENSE3/SENSE3/1.6/14/0/619K/0/@REG_TIME_500KOHM



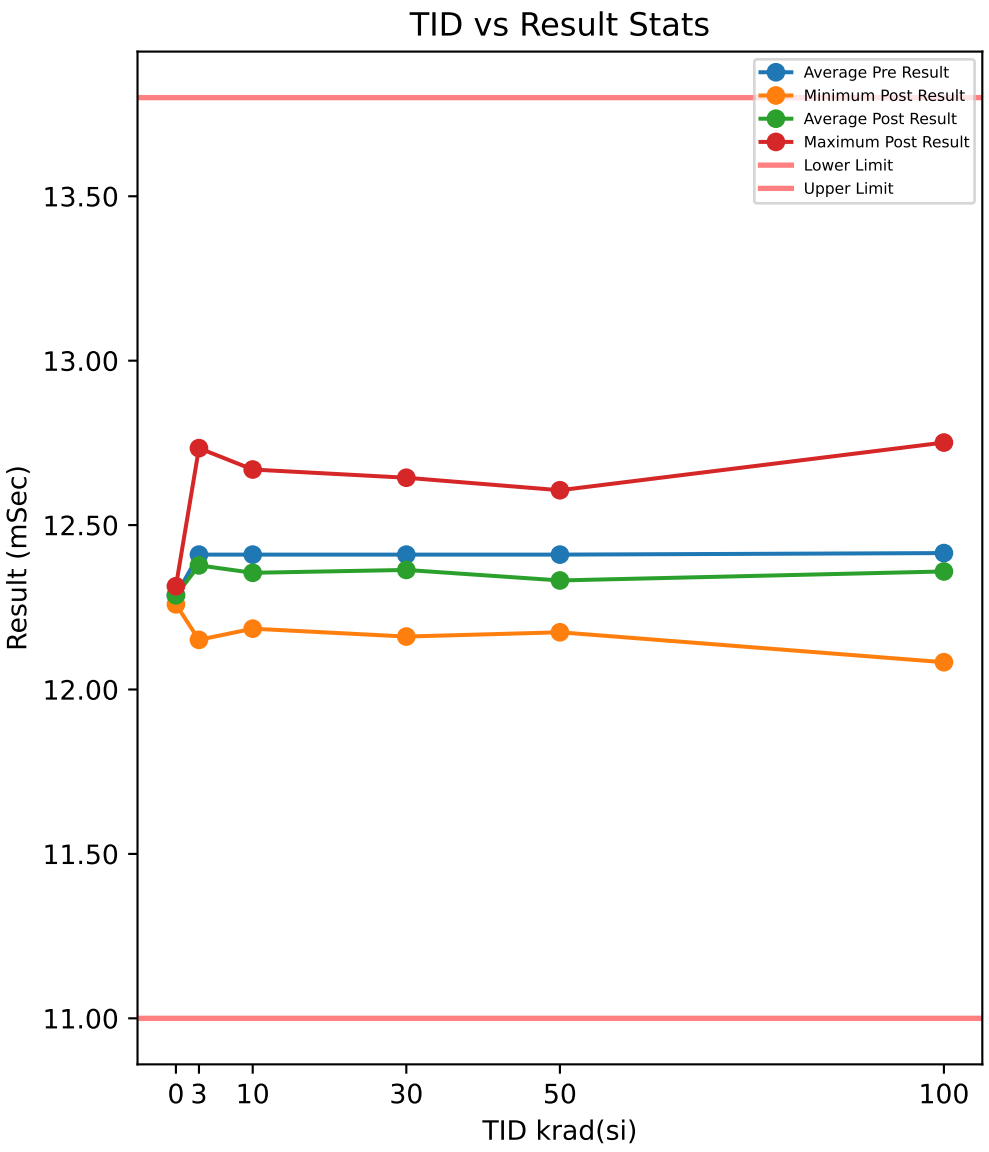

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

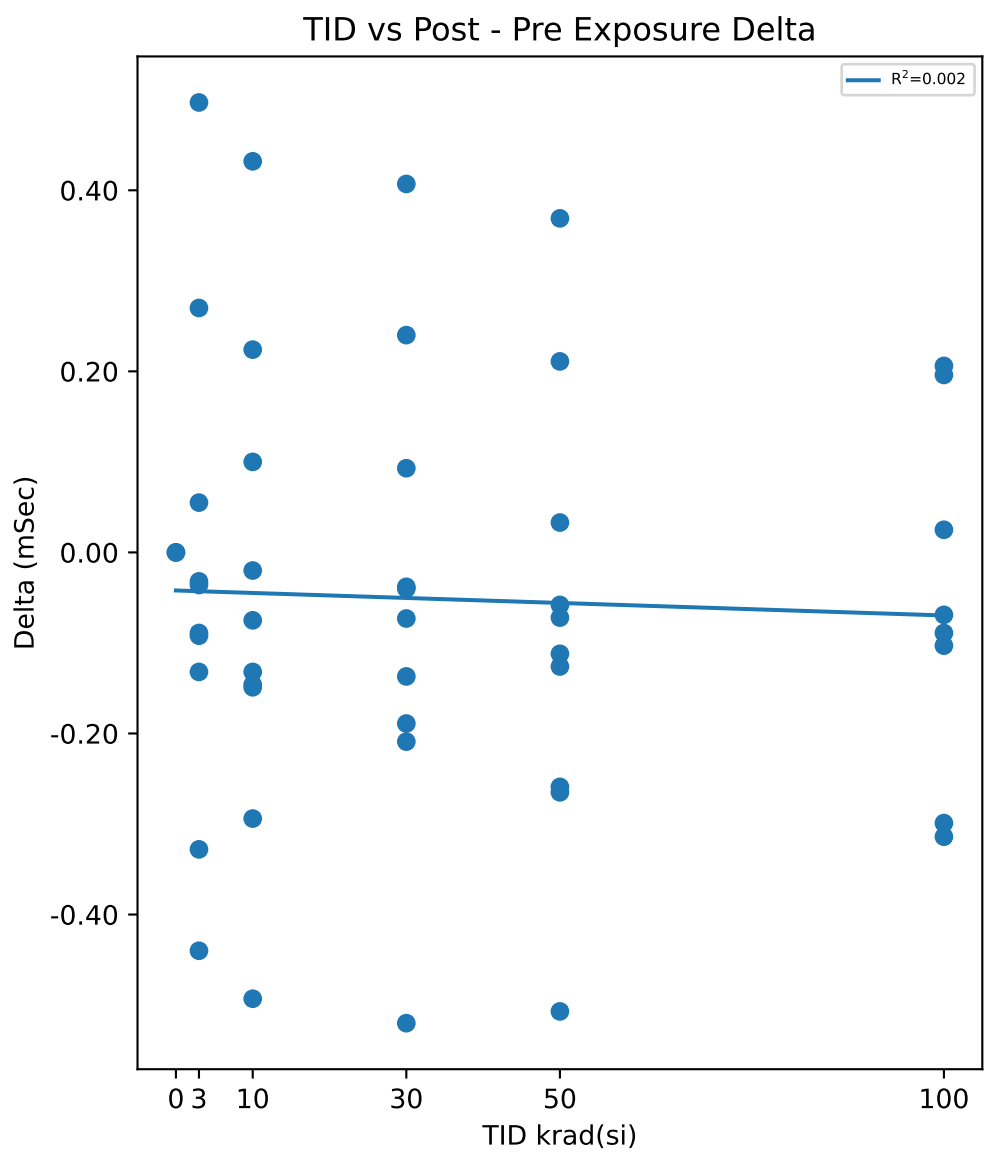
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.181 | 12.181 | 0 |
| 7 | 0 | Correlation | 12.29 | 12.29 | 0 |
| 16 | 3 | LDR-Biased | 12.386 | 12.572 | 0.186 |
| 18 | 3 | LDR-Biased | 12.349 | 12.302 | -0.047 |
| 19 | 3 | LDR-Biased | 12.252 | 12.184 | -0.068 |
| 20 | 3 | LDR-Biased | 12.316 | 12.271 | -0.045 |
| 21 | 3 | LDR-Biased | 12.398 | 12.353 | -0.045 |
| 22 | 3 | LDR-Unbiased | 12.472 | 12.367 | -0.105 |
| 23 | 3 | LDR-Unbiased | 12.445 | 12.173 | -0.272 |
| 25 | 3 | LDR-Unbiased | 12.335 | 12.376 | 0.041 |
| 26 | 3 | LDR-Unbiased | 12.244 | 12.662 | 0.418 |
| 27 | 3 | LDR-Unbiased | 12.648 | 12.244 | -0.404 |
| 46 | 10 | LDR-Biased | 12.386 | 12.632 | 0.246 |
| 48 | 10 | LDR-Biased | 12.349 | 12.269 | -0.08 |
| 49 | 10 | LDR-Biased | 12.252 | 12.228 | -0.024 |
| 50 | 10 | LDR-Biased | 12.316 | 12.238 | -0.078 |
| 51 | 10 | LDR-Biased | 12.398 | 12.401 | 0.003 |
| 52 | 10 | LDR-Unbiased | 12.472 | 12.421 | -0.051 |
| 53 | 10 | LDR-Unbiased | 12.445 | 12.191 | -0.254 |
| 55 | 10 | LDR-Unbiased | 12.335 | 12.366 | 0.031 |
| 56 | 10 | LDR-Unbiased | 12.244 | 12.681 | 0.437 |
| 57 | 10 | LDR-Unbiased | 12.648 | 12.265 | -0.383 |
| 76 | 30 | LDR-Biased | 12.386 | 12.636 | 0.25 |
| 78 | 30 | LDR-Biased | 12.349 | 12.361 | 0.012 |
| 79 | 30 | LDR-Biased | 12.252 | 12.195 | -0.057 |
| 80 | 30 | LDR-Biased | 12.316 | 12.222 | -0.094 |
| 81 | 30 | LDR-Biased | 12.398 | 12.289 | -0.109 |
| 82 | 30 | LDR-Unbiased | 12.472 | 12.342 | -0.13 |
| 83 | 30 | LDR-Unbiased | 12.445 | 12.199 | -0.246 |
| 84 | 30 | LDR-Unbiased | 12.648 | 12.227 | -0.421 |
| 85 | 30 | LDR-Unbiased | 12.335 | 12.352 | 0.017 |
| 86 | 30 | LDR-Unbiased | 12.244 | 12.647 | 0.403 |
| 87 | 100 | LDR-Biased | 12.463 | 12.481 | 0.018 |
| 88 | 100 | LDR-Biased | 12.411 | 12.188 | -0.223 |
| 90 | 100 | LDR-Biased | 12.376 | 12.193 | -0.183 |
| 91 | 100 | LDR-Unbiased | 12.473 | 12.679 | 0.206 |
| 93 | 100 | LDR-Unbiased | 12.408 | 12.172 | -0.236 |
| 94 | 100 | LDR-Unbiased | 12.412 | 12.33 | -0.082 |
| 95 | 100 | LDR-Unbiased | 12.261 | 12.384 | 0.123 |
| 96 | 100 | LDR-Unbiased | 12.648 | 12.33 | -0.318 |
| 106 | 50 | LDR-Biased | 12.386 | 12.636 | 0.25 |
| 108 | 50 | LDR-Biased | 12.349 | 12.384 | 0.035 |
| 109 | 50 | LDR-Biased | 12.252 | 12.271 | 0.019 |
| 110 | 50 | LDR-Biased | 12.316 | 12.271 | -0.045 |
| 111 | 50 | LDR-Biased | 12.398 | 12.293 | -0.105 |
| 112 | 50 | LDR-Unbiased | 12.472 | 12.352 | -0.12 |
| 113 | 50 | LDR-Unbiased | 12.445 | 12.229 | -0.216 |
| 115 | 50 | LDR-Unbiased | 12.335 | 12.322 | -0.013 |
| 116 | 50 | LDR-Unbiased | 12.244 | 12.631 | 0.387 |
| 117 | 50 | LDR-Unbiased | 12.648 | 12.164 | -0.484 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.181 | 12.235 | 12.29 | 0.077075 | 12.181 | 12.235 | 12.29 | 0.077075 | 0 | 0 | 0 | 0 |
| 3 | 12.244 | 12.384 | 12.648 | 0.11862 | 12.173 | 12.35 | 12.662 | 0.15856 | -0.404 | -0.0341 | 0.418 | 0.2257 |
| 10 | 12.244 | 12.384 | 12.648 | 0.11862 | 12.191 | 12.369 | 12.681 | 0.1699 | -0.383 | -0.0153 | 0.437 | 0.23021 |
| 30 | 12.244 | 12.384 | 12.648 | 0.11862 | 12.195 | 12.347 | 12.647 | 0.16739 | -0.421 | -0.0375 | 0.403 | 0.23331 |
| 50 | 12.244 | 12.384 | 12.648 | 0.11862 | 12.164 | 12.355 | 12.636 | 0.15895 | -0.484 | -0.0292 | 0.387 | 0.23895 |
| 100 | 12.261 | 12.431 | 12.648 | 0.10895 | 12.172 | 12.345 | 12.679 | 0.17308 | -0.318 | -0.086875 | 0.206 | 0.18681 |

# Device Test: 4.19 treg_Res619K_SENSE4/SENSE4/1.6/14/0/619K/0/@REG_TIME_500KOHM



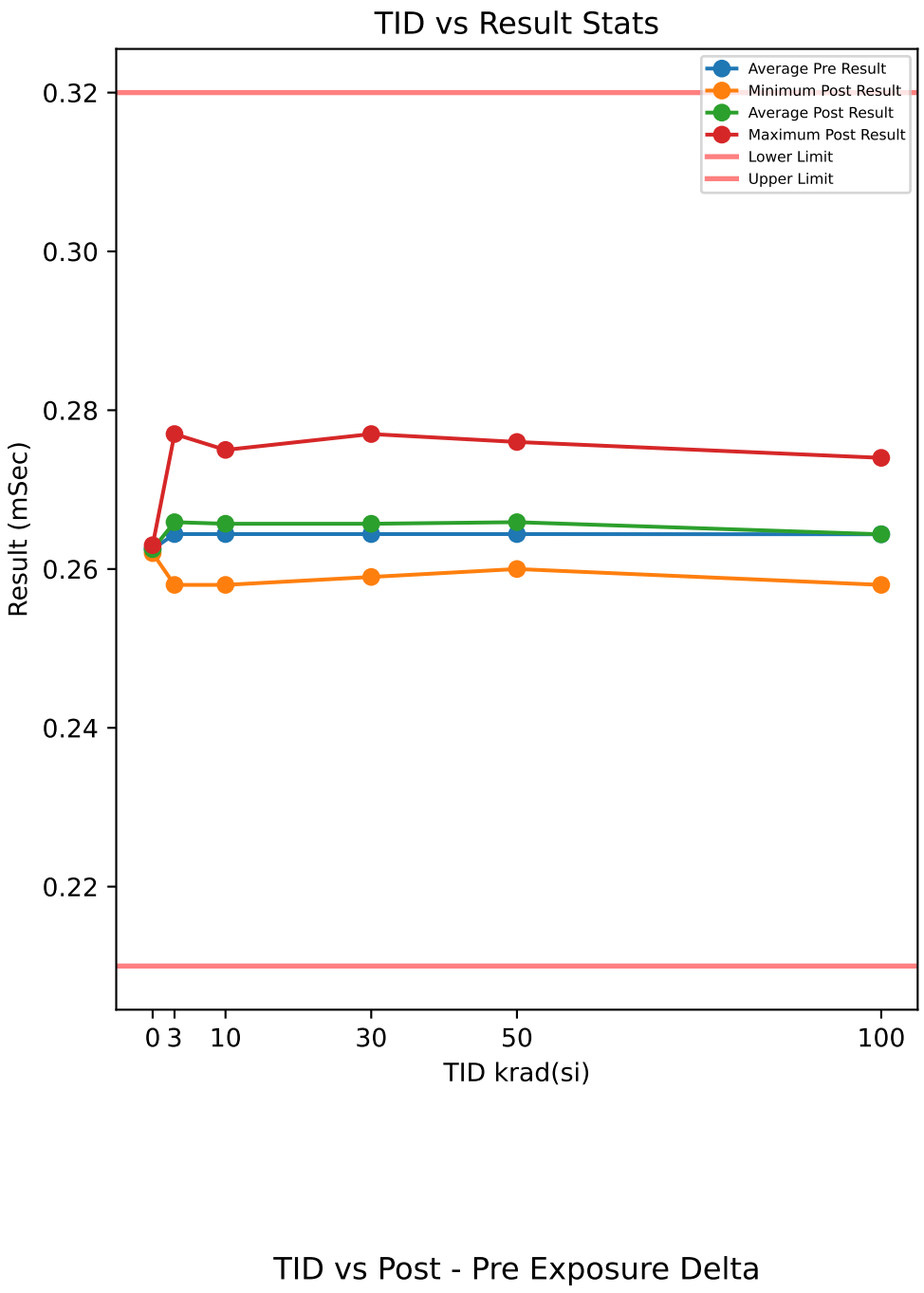

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

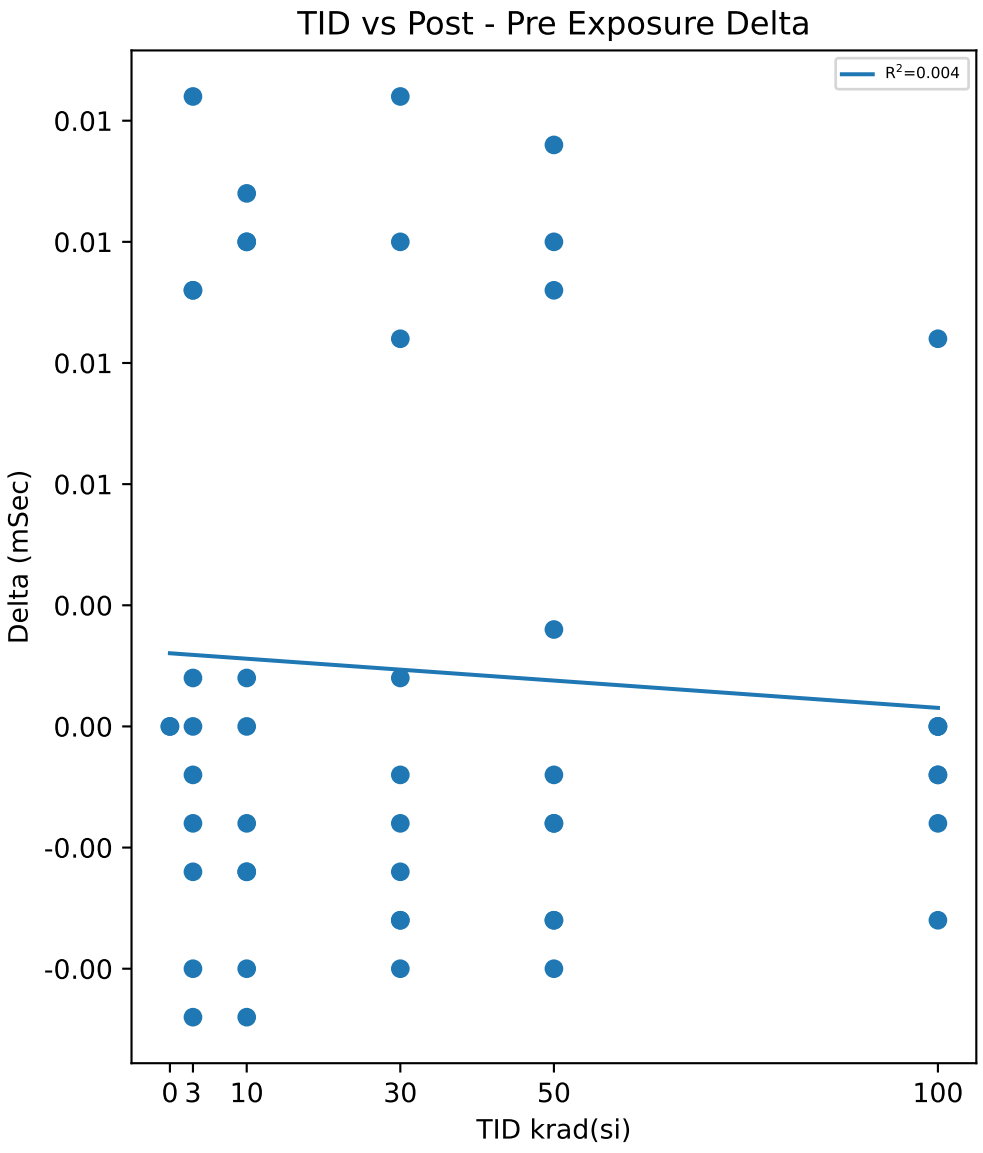
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.259 | 12.259 | 0 |
| 7 | 0 | Correlation | 12.314 | 12.314 | 0 |
| 16 | 3 | LDR-Biased | 12.386 | 12.656 | 0.27 |
| 18 | 3 | LDR-Biased | 12.404 | 12.372 | -0.032 |
| 19 | 3 | LDR-Biased | 12.292 | 12.256 | -0.036 |
| 20 | 3 | LDR-Biased | 12.323 | 12.231 | -0.092 |
| 21 | 3 | LDR-Biased | 12.463 | 12.331 | -0.132 |
| 22 | 3 | LDR-Unbiased | 12.536 | 12.447 | -0.089 |
| 23 | 3 | LDR-Unbiased | 12.479 | 12.151 | -0.328 |
| 25 | 3 | LDR-Unbiased | 12.301 | 12.356 | 0.055 |
| 26 | 3 | LDR-Unbiased | 12.237 | 12.734 | 0.497 |
| 27 | 3 | LDR-Unbiased | 12.681 | 12.241 | -0.44 |
| 46 | 10 | LDR-Biased | 12.386 | 12.61 | 0.224 |
| 48 | 10 | LDR-Biased | 12.404 | 12.272 | -0.132 |
| 49 | 10 | LDR-Biased | 12.292 | 12.272 | -0.02 |
| 50 | 10 | LDR-Biased | 12.323 | 12.248 | -0.075 |
| 51 | 10 | LDR-Biased | 12.463 | 12.314 | -0.149 |
| 52 | 10 | LDR-Unbiased | 12.536 | 12.39 | -0.146 |
| 53 | 10 | LDR-Unbiased | 12.479 | 12.185 | -0.294 |
| 55 | 10 | LDR-Unbiased | 12.301 | 12.401 | 0.1 |
| 56 | 10 | LDR-Unbiased | 12.237 | 12.669 | 0.432 |
| 57 | 10 | LDR-Unbiased | 12.681 | 12.188 | -0.493 |
| 76 | 30 | LDR-Biased | 12.386 | 12.626 | 0.24 |
| 78 | 30 | LDR-Biased | 12.404 | 12.331 | -0.073 |
| 79 | 30 | LDR-Biased | 12.292 | 12.254 | -0.038 |
| 80 | 30 | LDR-Biased | 12.323 | 12.283 | -0.04 |
| 81 | 30 | LDR-Biased | 12.463 | 12.326 | -0.137 |
| 82 | 30 | LDR-Unbiased | 12.536 | 12.347 | -0.189 |
| 83 | 30 | LDR-Unbiased | 12.479 | 12.27 | -0.209 |
| 84 | 30 | LDR-Unbiased | 12.681 | 12.161 | -0.52 |
| 85 | 30 | LDR-Unbiased | 12.301 | 12.394 | 0.093 |
| 86 | 30 | LDR-Unbiased | 12.237 | 12.644 | 0.407 |
| 87 | 100 | LDR-Biased | 12.435 | 12.46 | 0.025 |
| 88 | 100 | LDR-Biased | 12.348 | 12.259 | -0.089 |
| 90 | 100 | LDR-Biased | 12.362 | 12.259 | -0.103 |
| 91 | 100 | LDR-Unbiased | 12.545 | 12.751 | 0.206 |
| 93 | 100 | LDR-Unbiased | 12.382 | 12.083 | -0.299 |
| 94 | 100 | LDR-Unbiased | 12.372 | 12.303 | -0.069 |
| 95 | 100 | LDR-Unbiased | 12.263 | 12.459 | 0.196 |
| 96 | 100 | LDR-Unbiased | 12.612 | 12.298 | -0.314 |
| 106 | 50 | LDR-Biased | 12.386 | 12.597 | 0.211 |
| 108 | 50 | LDR-Biased | 12.404 | 12.332 | -0.072 |
| 109 | 50 | LDR-Biased | 12.292 | 12.18 | -0.112 |
| 110 | 50 | LDR-Biased | 12.323 | 12.265 | -0.058 |
| 111 | 50 | LDR-Biased | 12.463 | 12.337 | -0.126 |
| 112 | 50 | LDR-Unbiased | 12.536 | 12.277 | -0.259 |
| 113 | 50 | LDR-Unbiased | 12.479 | 12.214 | -0.265 |
| 115 | 50 | LDR-Unbiased | 12.301 | 12.334 | 0.033 |
| 116 | 50 | LDR-Unbiased | 12.237 | 12.606 | 0.369 |
| 117 | 50 | LDR-Unbiased | 12.681 | 12.174 | -0.507 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.259 | 12.287 | 12.314 | 0.038891 | 12.259 | 12.287 | 12.314 | 0.038891 | 0 | 0 | 0 | 0 |
| 3 | 12.237 | 12.41 | 12.681 | 0.13367 | 12.151 | 12.378 | 12.734 | 0.18806 | -0.44 | -0.0327 | 0.497 | 0.26865 |
| 10 | 12.237 | 12.41 | 12.681 | 0.13367 | 12.185 | 12.355 | 12.669 | 0.16689 | -0.493 | -0.0553 | 0.432 | 0.26091 |
| 30 | 12.237 | 12.41 | 12.681 | 0.13367 | 12.161 | 12.364 | 12.644 | 0.15616 | -0.52 | -0.0466 | 0.407 | 0.25541 |
| 50 | 12.237 | 12.41 | 12.681 | 0.13367 | 12.174 | 12.332 | 12.606 | 0.1545 | -0.507 | -0.0786 | 0.369 | 0.2475 |
| 100 | 12.263 | 12.415 | 12.612 | 0.11304 | 12.083 | 12.359 | 12.751 | 0.19889 | -0.314 | -0.055875 | 0.206 | 0.19559 |

# Device Test: 4.2 treg_Res10p5K_SENSE3/SENSE3/1.6/3/0/10.5K/0/@REG_TIME_10KOHM



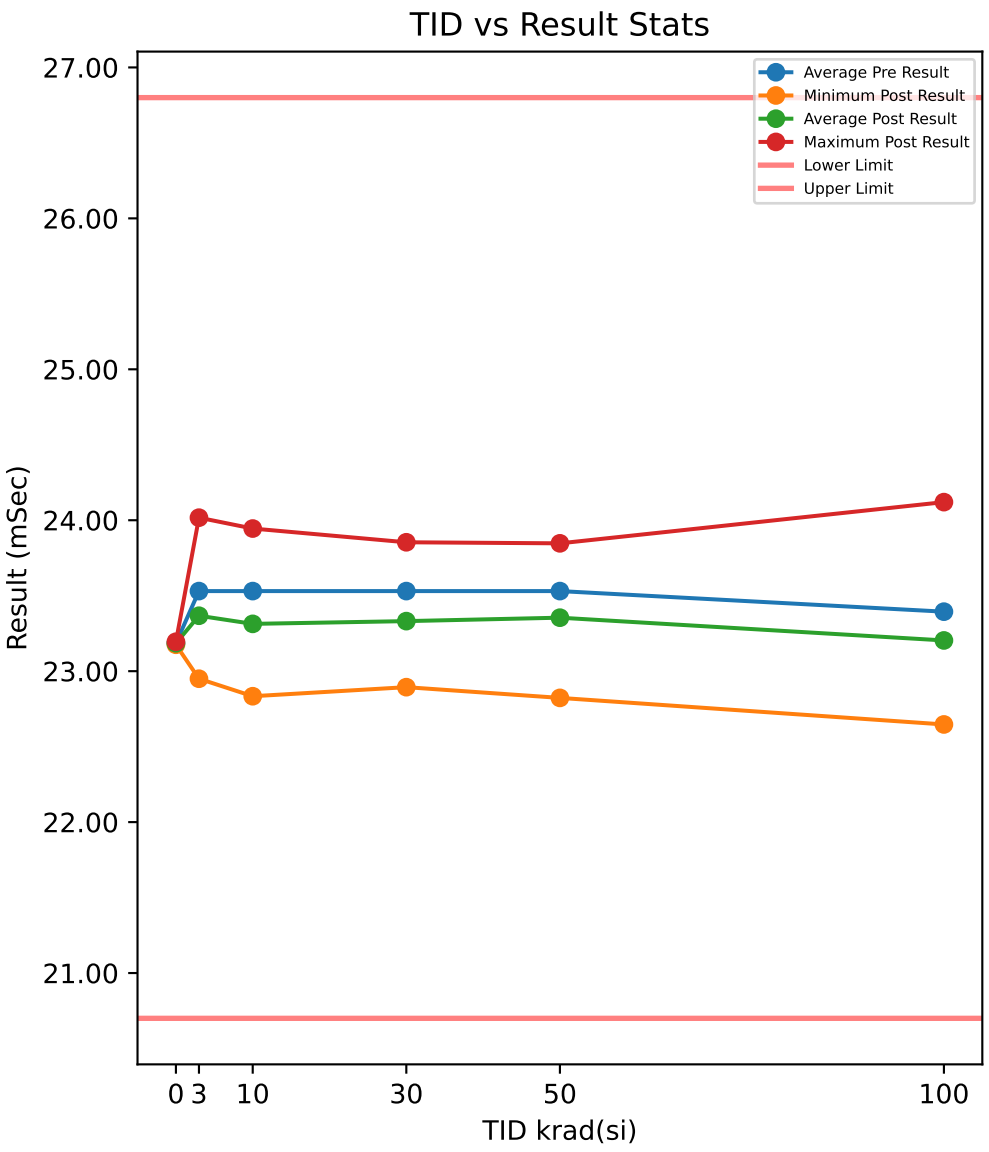

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

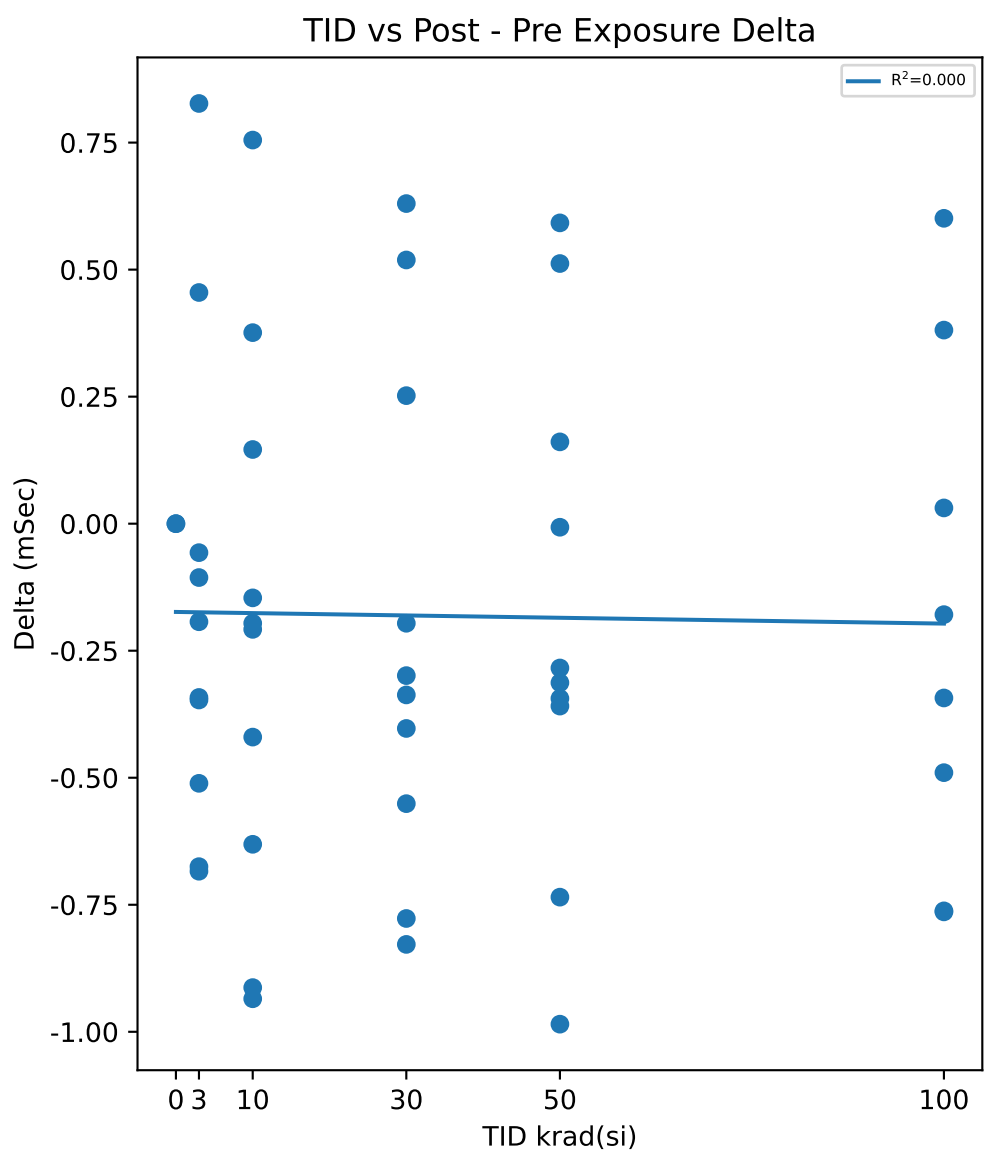
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.264 | 0.277 | 0.013 |
| 18 | 3 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 19 | 3 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 20 | 3 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 21 | 3 | LDR-Biased | 0.266 | 0.266 | 0 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.264 | 0.258 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.273 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 46 | 10 | LDR-Biased | 0.264 | 0.275 | 0.011 |
| 48 | 10 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 49 | 10 | LDR-Biased | 0.257 | 0.267 | 0.01 |
| 50 | 10 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 51 | 10 | LDR-Biased | 0.266 | 0.266 | 0 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.264 | 0.258 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 76 | 30 | LDR-Biased | 0.264 | 0.277 | 0.013 |
| 78 | 30 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 79 | 30 | LDR-Biased | 0.257 | 0.265 | 0.008 |
| 80 | 30 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 81 | 30 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 87 | 100 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 88 | 100 | LDR-Biased | 0.264 | 0.264 | 0 |
| 90 | 100 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 95 | 100 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.267 | 0.267 | 0 |
| 106 | 50 | LDR-Biased | 0.264 | 0.276 | 0.012 |
| 108 | 50 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 109 | 50 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 110 | 50 | LDR-Biased | 0.263 | 0.265 | 0.002 |
| 111 | 50 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.2625 | 0.263 | 0.00070711 | 0.262 | 0.2625 | 0.263 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.257 | 0.2644 | 0.267 | 0.0029889 | 0.258 | 0.2659 | 0.277 | 0.0054047 | -0.006 | 0.0015 | 0.013 | 0.0065362 |
| 10 | 0.257 | 0.2644 | 0.267 | 0.0029889 | 0.258 | 0.2657 | 0.275 | 0.0052292 | -0.006 | 0.0013 | 0.011 | 0.0065668 |
| 30 | 0.257 | 0.2644 | 0.267 | 0.0029889 | 0.259 | 0.2657 | 0.277 | 0.0054782 | -0.005 | 0.0013 | 0.013 | 0.0065668 |
| 50 | 0.257 | 0.2644 | 0.267 | 0.0029889 | 0.26 | 0.2659 | 0.276 | 0.0051305 | -0.005 | 0.0015 | 0.012 | 0.0064334 |
| 100 | 0.262 | 0.26438 | 0.267 | 0.001598 | 0.258 | 0.26438 | 0.274 | 0.0046272 | -0.004 | 0 | 0.008 | 0.0035051 |

# Device Test: 4.20 treg_Res1p18M_SENSE1/SENSE1/1.6/14/0/1.18M/0/@REG_TIME_1MOHM



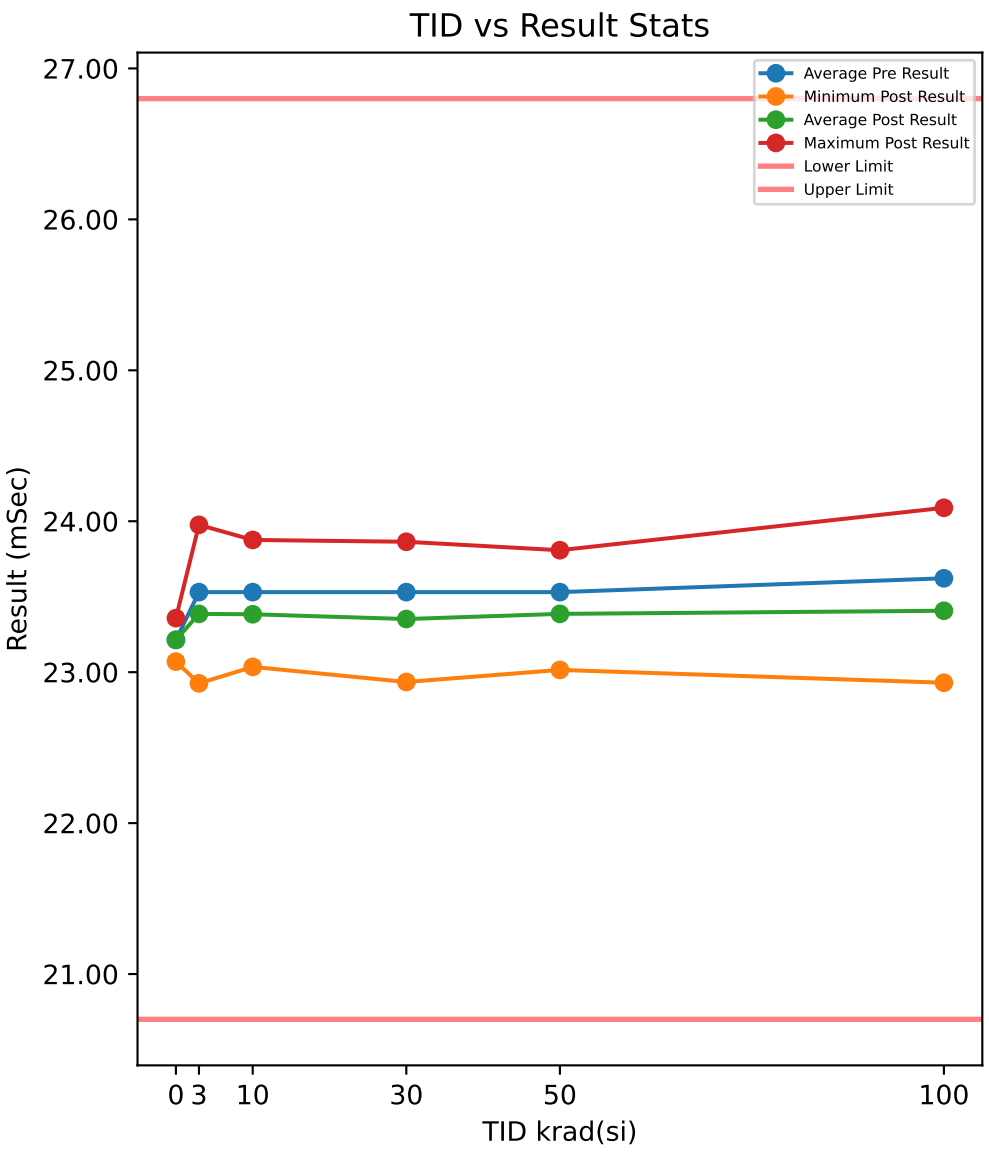

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

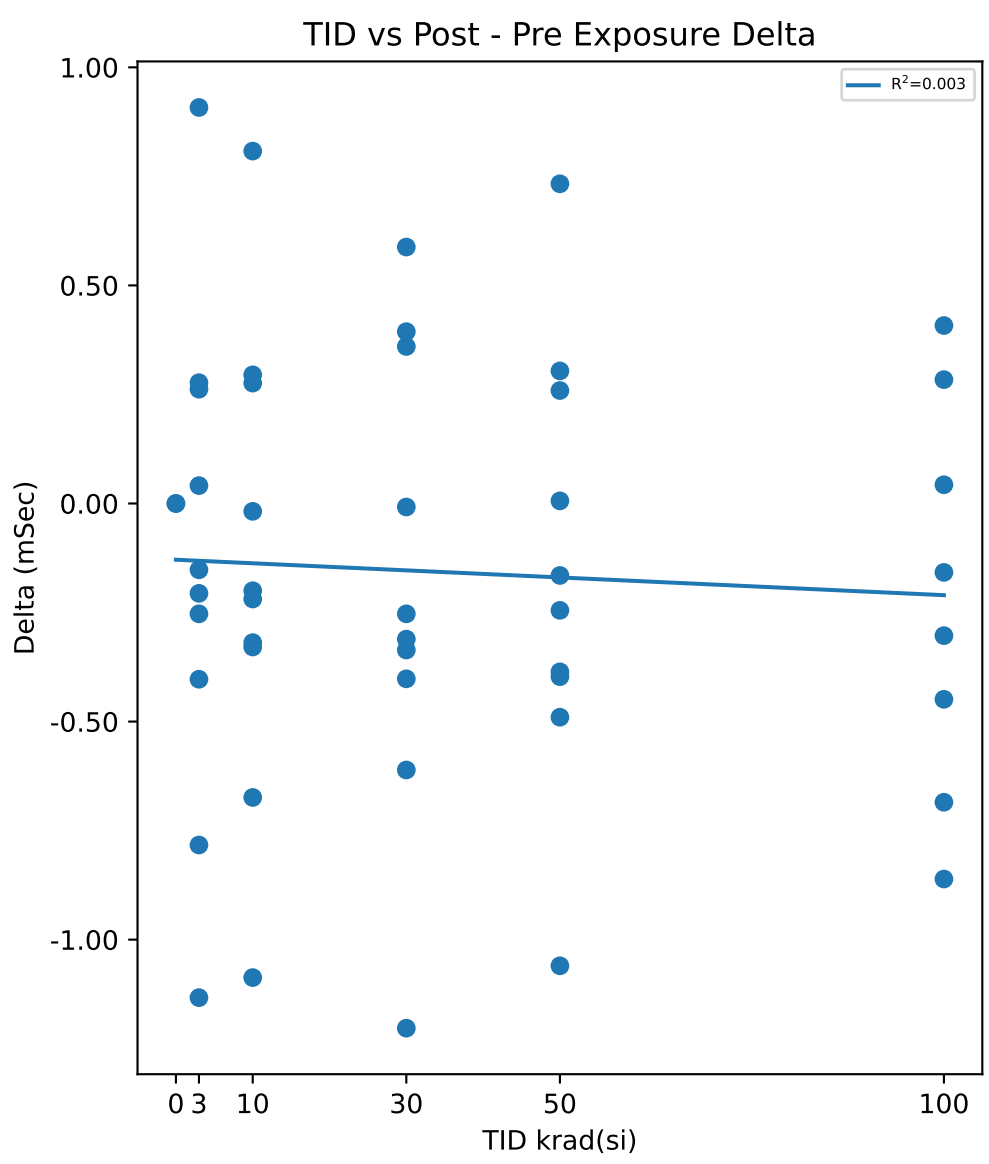
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.195 | 23.195 | 0 |
| 7 | 0 | Correlation | 23.175 | 23.175 | 0 |
| 16 | 3 | LDR-Biased | 23.335 | 23.79 | 0.455 |
| 18 | 3 | LDR-Biased | 23.538 | 23.432 | -0.106 |
| 19 | 3 | LDR-Biased | 23.488 | 23.146 | -0.342 |
| 20 | 3 | LDR-Biased | 23.297 | 22.95 | -0.347 |
| 21 | 3 | LDR-Biased | 23.625 | 23.114 | -0.511 |
| 22 | 3 | LDR-Unbiased | 23.831 | 23.638 | -0.193 |
| 23 | 3 | LDR-Unbiased | 23.747 | 23.063 | -0.684 |
| 25 | 3 | LDR-Unbiased | 23.447 | 23.39 | -0.057 |
| 26 | 3 | LDR-Unbiased | 23.19 | 24.017 | 0.827 |
| 27 | 3 | LDR-Unbiased | 23.808 | 23.133 | -0.675 |
| 46 | 10 | LDR-Biased | 23.335 | 23.711 | 0.376 |
| 48 | 10 | LDR-Biased | 23.538 | 23.392 | -0.146 |
| 49 | 10 | LDR-Biased | 23.488 | 22.857 | -0.631 |
| 50 | 10 | LDR-Biased | 23.297 | 22.877 | -0.42 |
| 51 | 10 | LDR-Biased | 23.625 | 23.429 | -0.196 |
| 52 | 10 | LDR-Unbiased | 23.831 | 23.623 | -0.208 |
| 53 | 10 | LDR-Unbiased | 23.747 | 22.834 | -0.913 |
| 55 | 10 | LDR-Unbiased | 23.447 | 23.593 | 0.146 |
| 56 | 10 | LDR-Unbiased | 23.19 | 23.945 | 0.755 |
| 57 | 10 | LDR-Unbiased | 23.808 | 22.873 | -0.935 |
| 76 | 30 | LDR-Biased | 23.335 | 23.854 | 0.519 |
| 78 | 30 | LDR-Biased | 23.538 | 23.342 | -0.196 |
| 79 | 30 | LDR-Biased | 23.488 | 23.151 | -0.337 |
| 80 | 30 | LDR-Biased | 23.297 | 22.894 | -0.403 |
| 81 | 30 | LDR-Biased | 23.625 | 23.326 | -0.299 |
| 82 | 30 | LDR-Unbiased | 23.831 | 23.28 | -0.551 |
| 83 | 30 | LDR-Unbiased | 23.747 | 22.919 | -0.828 |
| 84 | 30 | LDR-Unbiased | 23.808 | 23.031 | -0.777 |
| 85 | 30 | LDR-Unbiased | 23.447 | 23.699 | 0.252 |
| 86 | 30 | LDR-Unbiased | 23.19 | 23.82 | 0.63 |
| 87 | 100 | LDR-Biased | 23.42 | 23.451 | 0.031 |
| 88 | 100 | LDR-Biased | 23.33 | 22.84 | -0.49 |
| 90 | 100 | LDR-Biased | 23.207 | 22.864 | -0.343 |
| 91 | 100 | LDR-Unbiased | 23.519 | 24.12 | 0.601 |
| 93 | 100 | LDR-Unbiased | 23.409 | 22.647 | -0.762 |
| 94 | 100 | LDR-Unbiased | 23.333 | 23.154 | -0.179 |
| 95 | 100 | LDR-Unbiased | 23.12 | 23.501 | 0.381 |
| 96 | 100 | LDR-Unbiased | 23.816 | 23.052 | -0.764 |
| 106 | 50 | LDR-Biased | 23.335 | 23.847 | 0.512 |
| 108 | 50 | LDR-Biased | 23.538 | 23.531 | -0.007 |
| 109 | 50 | LDR-Biased | 23.488 | 23.175 | -0.313 |
| 110 | 50 | LDR-Biased | 23.297 | 22.953 | -0.344 |
| 111 | 50 | LDR-Biased | 23.625 | 23.341 | -0.284 |
| 112 | 50 | LDR-Unbiased | 23.831 | 23.472 | -0.359 |
| 113 | 50 | LDR-Unbiased | 23.747 | 23.012 | -0.735 |
| 115 | 50 | LDR-Unbiased | 23.447 | 23.608 | 0.161 |
| 116 | 50 | LDR-Unbiased | 23.19 | 23.782 | 0.592 |
| 117 | 50 | LDR-Unbiased | 23.808 | 22.823 | -0.985 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.175 | 23.185 | 23.195 | 0.014142 | 23.175 | 23.185 | 23.195 | 0.014142 | 0 | 0 | 0 | 0 |
| 3 | 23.19 | 23.531 | 23.831 | 0.22127 | 22.95 | 23.367 | 24.017 | 0.35175 | -0.684 | -0.1633 | 0.827 | 0.48282 |
| 10 | 23.19 | 23.531 | 23.831 | 0.22127 | 22.834 | 23.313 | 23.945 | 0.41808 | -0.935 | -0.2172 | 0.755 | 0.54225 |
| 30 | 23.19 | 23.531 | 23.831 | 0.22127 | 22.894 | 23.332 | 23.854 | 0.35495 | -0.828 | -0.199 | 0.63 | 0.50886 |
| 50 | 23.19 | 23.531 | 23.831 | 0.22127 | 22.823 | 23.354 | 23.847 | 0.35401 | -0.985 | -0.1762 | 0.592 | 0.5016 |
| 100 | 23.12 | 23.394 | 23.816 | 0.21128 | 22.647 | 23.204 | 24.12 | 0.47392 | -0.764 | -0.19062 | 0.601 | 0.50296 |

# Device Test: 4.21 treg_Res1p18M_SENSE2/SENSE2/1.6/14/0/1.18M/0/@REG_TIME_1MOHM



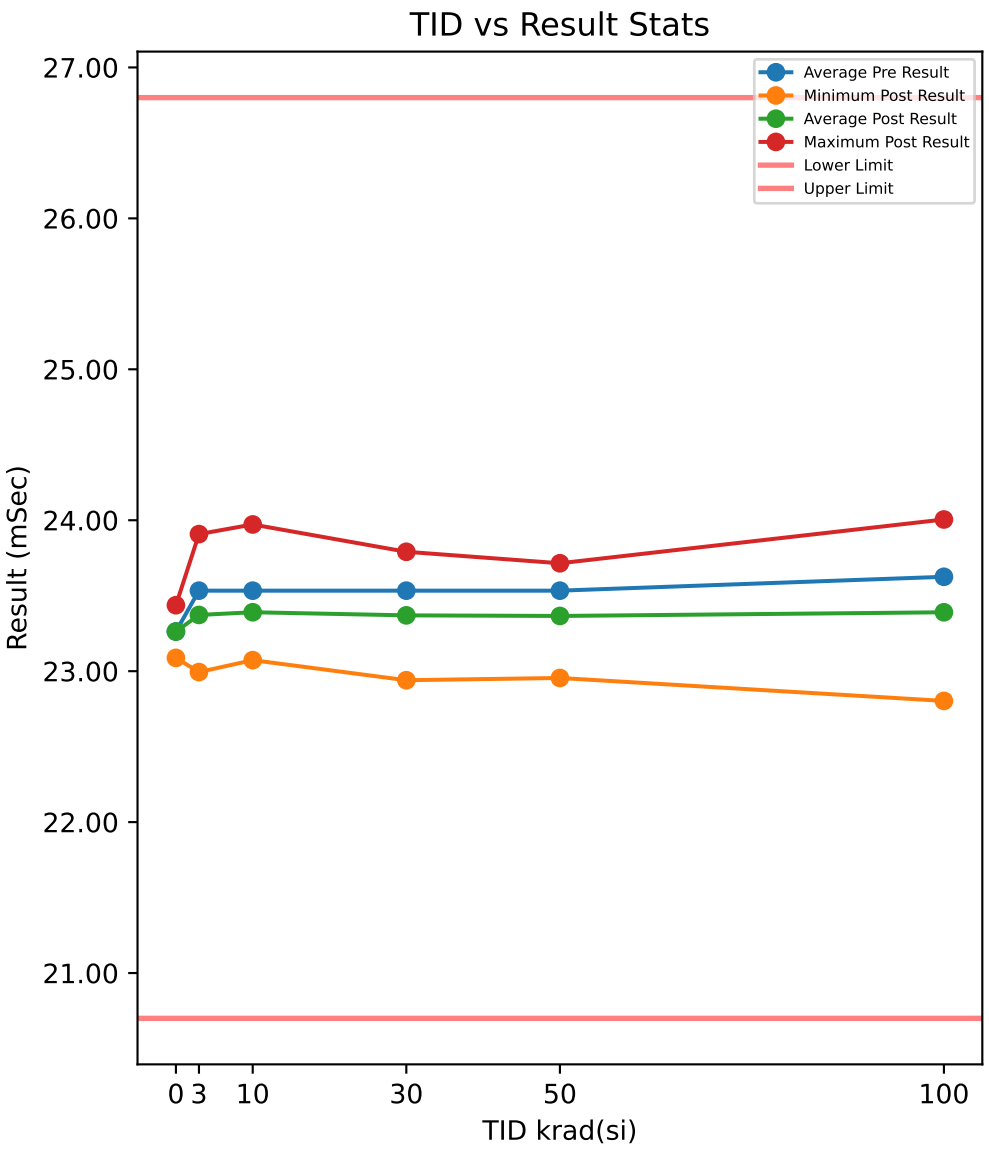

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

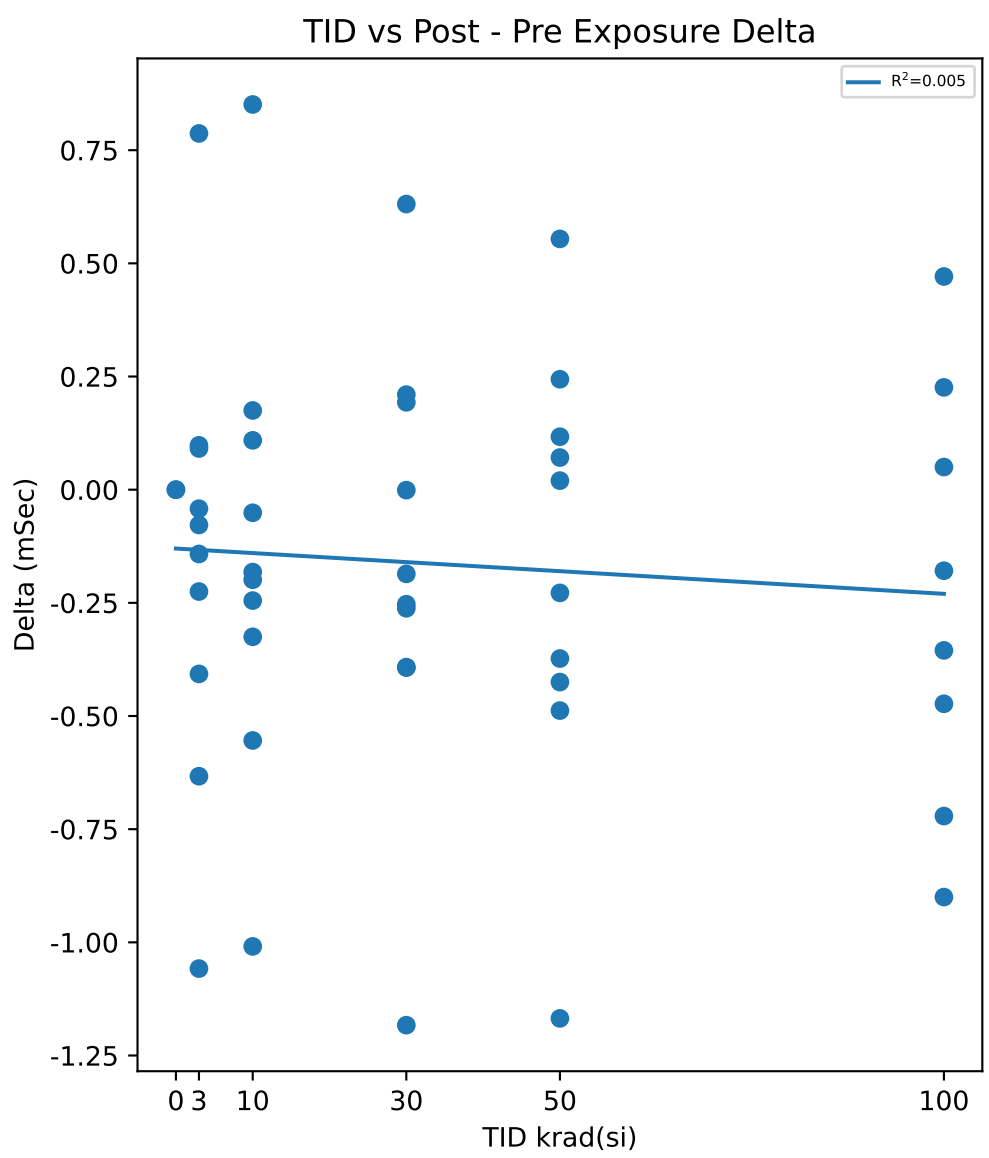
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.07 | 23.07 | 0 |
| 7 | 0 | Correlation | 23.358 | 23.358 | 0 |
| 16 | 3 | LDR-Biased | 23.504 | 23.781 | 0.277 |
| 18 | 3 | LDR-Biased | 23.396 | 23.437 | 0.041 |
| 19 | 3 | LDR-Biased | 23.401 | 22.998 | -0.403 |
| 20 | 3 | LDR-Biased | 23.312 | 23.16 | -0.152 |
| 21 | 3 | LDR-Biased | 23.615 | 23.362 | -0.253 |
| 22 | 3 | LDR-Unbiased | 23.847 | 23.641 | -0.206 |
| 23 | 3 | LDR-Unbiased | 23.709 | 22.926 | -0.783 |
| 25 | 3 | LDR-Unbiased | 23.313 | 23.575 | 0.262 |
| 26 | 3 | LDR-Unbiased | 23.068 | 23.976 | 0.908 |
| 27 | 3 | LDR-Unbiased | 24.138 | 23.005 | -1.133 |
| 46 | 10 | LDR-Biased | 23.504 | 23.78 | 0.276 |
| 48 | 10 | LDR-Biased | 23.396 | 23.378 | -0.018 |
| 49 | 10 | LDR-Biased | 23.401 | 23.072 | -0.329 |
| 50 | 10 | LDR-Biased | 23.312 | 23.112 | -0.2 |
| 51 | 10 | LDR-Biased | 23.615 | 23.296 | -0.319 |
| 52 | 10 | LDR-Unbiased | 23.847 | 23.628 | -0.219 |
| 53 | 10 | LDR-Unbiased | 23.709 | 23.035 | -0.674 |
| 55 | 10 | LDR-Unbiased | 23.313 | 23.608 | 0.295 |
| 56 | 10 | LDR-Unbiased | 23.068 | 23.876 | 0.808 |
| 57 | 10 | LDR-Unbiased | 24.138 | 23.051 | -1.087 |
| 76 | 30 | LDR-Biased | 23.504 | 23.864 | 0.36 |
| 78 | 30 | LDR-Biased | 23.396 | 23.388 | -0.008 |
| 79 | 30 | LDR-Biased | 23.401 | 23.065 | -0.336 |
| 80 | 30 | LDR-Biased | 23.312 | 23.059 | -0.253 |
| 81 | 30 | LDR-Biased | 23.615 | 23.304 | -0.311 |
| 82 | 30 | LDR-Unbiased | 23.847 | 23.445 | -0.402 |
| 83 | 30 | LDR-Unbiased | 23.709 | 23.098 | -0.611 |
| 84 | 30 | LDR-Unbiased | 24.138 | 22.935 | -1.203 |
| 85 | 30 | LDR-Unbiased | 23.313 | 23.707 | 0.394 |
| 86 | 30 | LDR-Unbiased | 23.068 | 23.656 | 0.588 |
| 87 | 100 | LDR-Biased | 23.768 | 23.811 | 0.043 |
| 88 | 100 | LDR-Biased | 23.509 | 23.06 | -0.449 |
| 90 | 100 | LDR-Biased | 23.373 | 23.07 | -0.303 |
| 91 | 100 | LDR-Unbiased | 23.681 | 24.089 | 0.408 |
| 93 | 100 | LDR-Unbiased | 23.615 | 22.93 | -0.685 |
| 94 | 100 | LDR-Unbiased | 23.514 | 23.356 | -0.158 |
| 95 | 100 | LDR-Unbiased | 23.385 | 23.669 | 0.284 |
| 96 | 100 | LDR-Unbiased | 24.131 | 23.27 | -0.861 |
| 106 | 50 | LDR-Biased | 23.504 | 23.808 | 0.304 |
| 108 | 50 | LDR-Biased | 23.396 | 23.402 | 0.006 |
| 109 | 50 | LDR-Biased | 23.401 | 23.015 | -0.386 |
| 110 | 50 | LDR-Biased | 23.312 | 23.147 | -0.165 |
| 111 | 50 | LDR-Biased | 23.615 | 23.37 | -0.245 |
| 112 | 50 | LDR-Unbiased | 23.847 | 23.45 | -0.397 |
| 113 | 50 | LDR-Unbiased | 23.709 | 23.219 | -0.49 |
| 115 | 50 | LDR-Unbiased | 23.313 | 23.572 | 0.259 |
| 116 | 50 | LDR-Unbiased | 23.068 | 23.801 | 0.733 |
| 117 | 50 | LDR-Unbiased | 24.138 | 23.078 | -1.06 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.07 | 23.214 | 23.358 | 0.20365 | 23.07 | 23.214 | 23.358 | 0.20365 | 0 | 0 | 0 | 0 |
| 3 | 23.068 | 23.53 | 24.138 | 0.30781 | 22.926 | 23.386 | 23.976 | 0.36 | -1.133 | -0.1442 | 0.908 | 0.57274 |
| 10 | 23.068 | 23.53 | 24.138 | 0.30781 | 23.035 | 23.384 | 23.876 | 0.31979 | -1.087 | -0.1467 | 0.808 | 0.53072 |
| 30 | 23.068 | 23.53 | 24.138 | 0.30781 | 22.935 | 23.352 | 23.864 | 0.31613 | -1.203 | -0.1782 | 0.588 | 0.53425 |
| 50 | 23.068 | 23.53 | 24.138 | 0.30781 | 23.015 | 23.386 | 23.808 | 0.28028 | -1.06 | -0.1441 | 0.733 | 0.49964 |
| 100 | 23.373 | 23.622 | 24.131 | 0.24685 | 22.93 | 23.407 | 24.089 | 0.41055 | -0.861 | -0.21513 | 0.408 | 0.44844 |

# Device Test: 4.22 treg_Res1p18M_SENSE3/SENSE3/1.6/14/0/1.18M/0/@REG_TIME_1MOHM



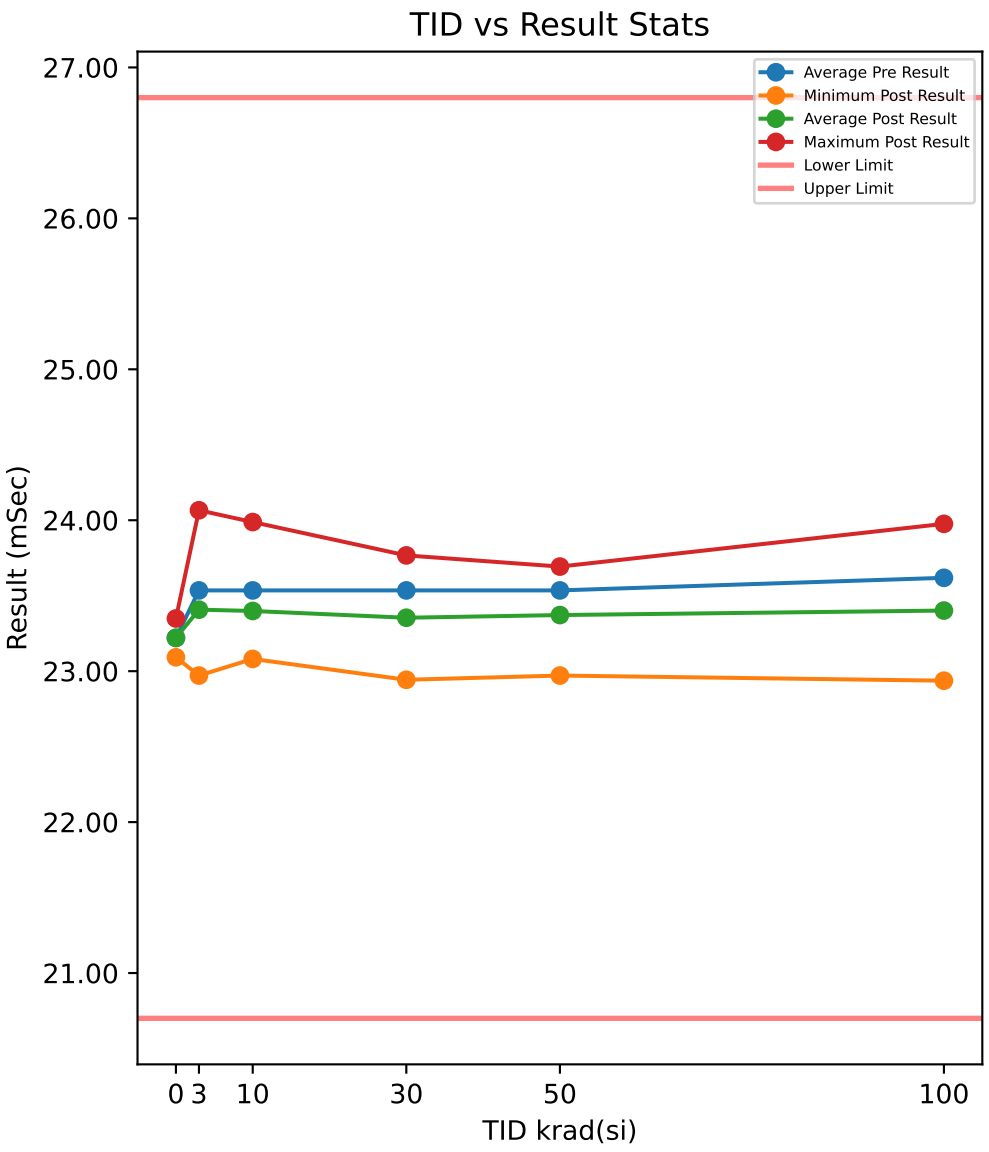

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.088 | 23.088 | 0 |
| 7 | 0 | Correlation | 23.437 | 23.437 | 0 |
| 16 | 3 | LDR-Biased | 23.598 | 23.696 | 0.098 |
| 18 | 3 | LDR-Biased | 23.483 | 23.341 | -0.142 |
| 19 | 3 | LDR-Biased | 23.48 | 23.073 | -0.407 |
| 20 | 3 | LDR-Biased | 23.202 | 23.16 | -0.042 |
| 21 | 3 | LDR-Biased | 23.521 | 23.443 | -0.078 |
| 22 | 3 | LDR-Unbiased | 23.777 | 23.552 | -0.225 |
| 23 | 3 | LDR-Unbiased | 23.627 | 22.994 | -0.633 |
| 25 | 3 | LDR-Unbiased | 23.402 | 23.493 | 0.091 |
| 26 | 3 | LDR-Unbiased | 23.121 | 23.908 | 0.787 |
| 27 | 3 | LDR-Unbiased | 24.123 | 23.065 | -1.058 |
| 46 | 10 | LDR-Biased | 23.598 | 23.773 | 0.175 |
| 48 | 10 | LDR-Biased | 23.483 | 23.284 | -0.199 |
| 49 | 10 | LDR-Biased | 23.48 | 23.155 | -0.325 |
| 50 | 10 | LDR-Biased | 23.202 | 23.151 | -0.051 |
| 51 | 10 | LDR-Biased | 23.521 | 23.339 | -0.182 |
| 52 | 10 | LDR-Unbiased | 23.777 | 23.532 | -0.245 |
| 53 | 10 | LDR-Unbiased | 23.627 | 23.073 | -0.554 |
| 55 | 10 | LDR-Unbiased | 23.402 | 23.511 | 0.109 |
| 56 | 10 | LDR-Unbiased | 23.121 | 23.972 | 0.851 |
| 57 | 10 | LDR-Unbiased | 24.123 | 23.114 | -1.009 |
| 76 | 30 | LDR-Biased | 23.598 | 23.791 | 0.193 |
| 78 | 30 | LDR-Biased | 23.483 | 23.297 | -0.186 |
| 79 | 30 | LDR-Biased | 23.48 | 23.088 | -0.392 |
| 80 | 30 | LDR-Biased | 23.202 | 23.201 | -0.001 |
| 81 | 30 | LDR-Biased | 23.521 | 23.259 | -0.262 |
| 82 | 30 | LDR-Unbiased | 23.777 | 23.524 | -0.253 |
| 83 | 30 | LDR-Unbiased | 23.627 | 23.234 | -0.393 |
| 84 | 30 | LDR-Unbiased | 24.123 | 22.94 | -1.183 |
| 85 | 30 | LDR-Unbiased | 23.402 | 23.612 | 0.21 |
| 86 | 30 | LDR-Unbiased | 23.121 | 23.752 | 0.631 |
| 87 | 100 | LDR-Biased | 23.674 | 23.724 | 0.05 |
| 88 | 100 | LDR-Biased | 23.6 | 23.127 | -0.473 |
| 90 | 100 | LDR-Biased | 23.488 | 23.133 | -0.355 |
| 91 | 100 | LDR-Unbiased | 23.779 | 24.005 | 0.226 |
| 93 | 100 | LDR-Unbiased | 23.524 | 22.803 | -0.721 |
| 94 | 100 | LDR-Unbiased | 23.597 | 23.418 | -0.179 |
| 95 | 100 | LDR-Unbiased | 23.281 | 23.752 | 0.471 |
| 96 | 100 | LDR-Unbiased | 24.059 | 23.159 | -0.9 |
| 106 | 50 | LDR-Biased | 23.598 | 23.715 | 0.117 |
| 108 | 50 | LDR-Biased | 23.483 | 23.503 | 0.02 |
| 109 | 50 | LDR-Biased | 23.48 | 23.107 | -0.373 |
| 110 | 50 | LDR-Biased | 23.202 | 23.273 | 0.071 |
| 111 | 50 | LDR-Biased | 23.521 | 23.293 | -0.228 |
| 112 | 50 | LDR-Unbiased | 23.777 | 23.352 | -0.425 |
| 113 | 50 | LDR-Unbiased | 23.627 | 23.139 | -0.488 |
| 115 | 50 | LDR-Unbiased | 23.402 | 23.646 | 0.244 |
| 116 | 50 | LDR-Unbiased | 23.121 | 23.675 | 0.554 |
| 117 | 50 | LDR-Unbiased | 24.123 | 22.955 | -1.168 |

Test Statistics (mSec)

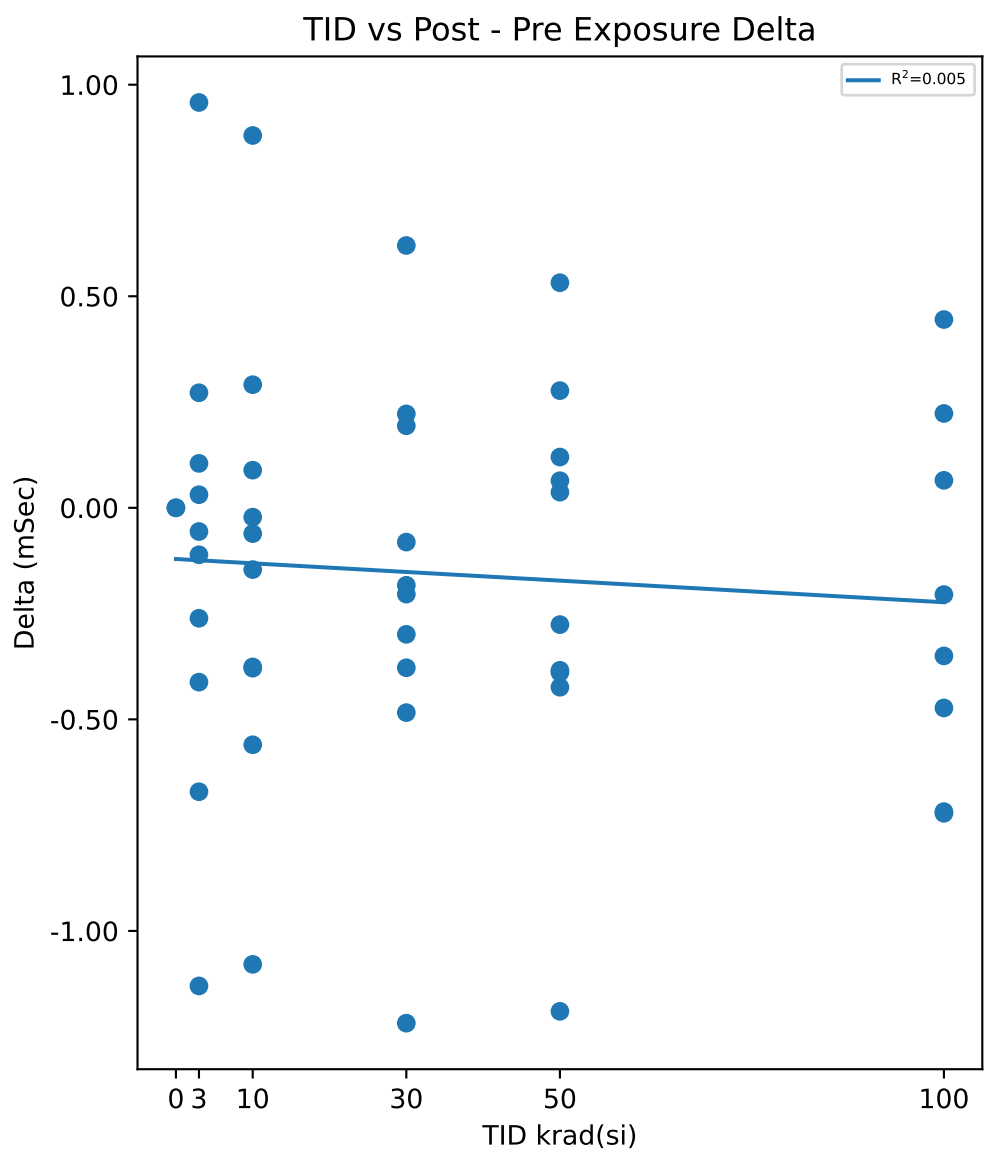
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.088 | 23.263 | 23.437 | 0.24678 | 23.088 | 23.263 | 23.437 | 0.24678 | 0 | 0 | 0 | 0 |
| 3 | 23.121 | 23.533 | 24.123 | 0.28336 | 22.994 | 23.372 | 23.908 | 0.30125 | -1.058 | -0.1609 | 0.787 | 0.48793 |
| 10 | 23.121 | 23.533 | 24.123 | 0.28336 | 23.073 | 23.39 | 23.972 | 0.30241 | -1.009 | -0.143 | 0.851 | 0.48628 |
| 30 | 23.121 | 23.533 | 24.123 | 0.28336 | 22.94 | 23.37 | 23.791 | 0.28569 | -1.183 | -0.1636 | 0.631 | 0.48152 |
| 50 | 23.121 | 23.533 | 24.123 | 0.28336 | 22.955 | 23.366 | 23.715 | 0.26165 | -1.168 | -0.1676 | 0.554 | 0.4806 |
| 100 | 23.281 | 23.625 | 24.059 | 0.22778 | 22.803 | 23.39 | 24.005 | 0.40616 | -0.9 | -0.23513 | 0.471 | 0.46977 |

# Device Test: 4.23 treg_Res1p18M_SENSE4/SENSE4/1.6/14/0/1.18M/0/@REG_TIME_1MOHM




Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

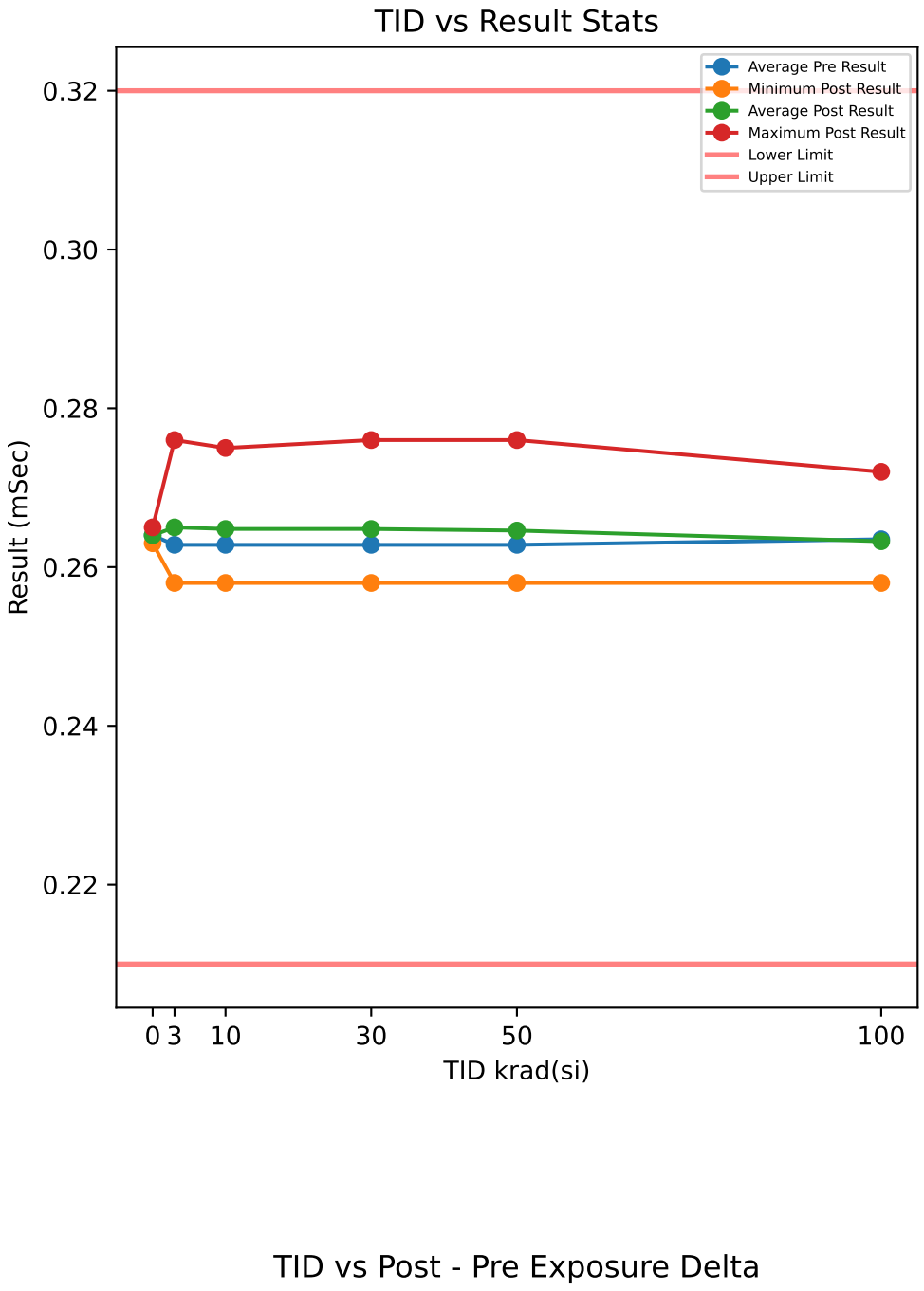
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.092 | 23.092 | 0 |
| 7 | 0 | Correlation | 23.349 | 23.349 | 0 |
| 16 | 3 | LDR-Biased | 23.573 | 23.678 | 0.105 |
| 18 | 3 | LDR-Biased | 23.431 | 23.32 | -0.111 |
| 19 | 3 | LDR-Biased | 23.46 | 23.048 | -0.412 |
| 20 | 3 | LDR-Biased | 23.177 | 23.208 | 0.031 |
| 21 | 3 | LDR-Biased | 23.682 | 23.421 | -0.261 |
| 22 | 3 | LDR-Unbiased | 23.752 | 23.696 | -0.056 |
| 23 | 3 | LDR-Unbiased | 23.642 | 22.971 | -0.671 |
| 25 | 3 | LDR-Unbiased | 23.365 | 23.637 | 0.272 |
| 26 | 3 | LDR-Unbiased | 23.108 | 24.066 | 0.958 |
| 27 | 3 | LDR-Unbiased | 24.161 | 23.031 | -1.13 |
| 46 | 10 | LDR-Biased | 23.573 | 23.662 | 0.089 |
| 48 | 10 | LDR-Biased | 23.431 | 23.285 | -0.146 |
| 49 | 10 | LDR-Biased | 23.46 | 23.081 | -0.379 |
| 50 | 10 | LDR-Biased | 23.177 | 23.155 | -0.022 |
| 51 | 10 | LDR-Biased | 23.682 | 23.306 | -0.376 |
| 52 | 10 | LDR-Unbiased | 23.752 | 23.691 | -0.061 |
| 53 | 10 | LDR-Unbiased | 23.642 | 23.082 | -0.56 |
| 55 | 10 | LDR-Unbiased | 23.365 | 23.656 | 0.291 |
| 56 | 10 | LDR-Unbiased | 23.108 | 23.988 | 0.88 |
| 57 | 10 | LDR-Unbiased | 24.161 | 23.082 | -1.079 |
| 76 | 30 | LDR-Biased | 23.573 | 23.767 | 0.194 |
| 78 | 30 | LDR-Biased | 23.431 | 23.248 | -0.183 |
| 79 | 30 | LDR-Biased | 23.46 | 23.082 | -0.378 |
| 80 | 30 | LDR-Biased | 23.177 | 23.096 | -0.081 |
| 81 | 30 | LDR-Biased | 23.682 | 23.383 | -0.299 |
| 82 | 30 | LDR-Unbiased | 23.752 | 23.548 | -0.204 |
| 83 | 30 | LDR-Unbiased | 23.642 | 23.158 | -0.484 |
| 84 | 30 | LDR-Unbiased | 24.161 | 22.943 | -1.218 |
| 85 | 30 | LDR-Unbiased | 23.365 | 23.587 | 0.222 |
| 86 | 30 | LDR-Unbiased | 23.108 | 23.728 | 0.62 |
| 87 | 100 | LDR-Biased | 23.631 | 23.696 | 0.065 |
| 88 | 100 | LDR-Biased | 23.573 | 23.1 | -0.473 |
| 90 | 100 | LDR-Biased | 23.46 | 23.11 | -0.35 |
| 91 | 100 | LDR-Unbiased | 23.753 | 23.976 | 0.223 |
| 93 | 100 | LDR-Unbiased | 23.659 | 22.937 | -0.722 |
| 94 | 100 | LDR-Unbiased | 23.575 | 23.37 | -0.205 |
| 95 | 100 | LDR-Unbiased | 23.263 | 23.708 | 0.445 |
| 96 | 100 | LDR-Unbiased | 24.034 | 23.316 | -0.718 |
| 106 | 50 | LDR-Biased | 23.573 | 23.693 | 0.12 |
| 108 | 50 | LDR-Biased | 23.431 | 23.495 | 0.064 |
| 109 | 50 | LDR-Biased | 23.46 | 23.036 | -0.424 |
| 110 | 50 | LDR-Biased | 23.177 | 23.214 | 0.037 |
| 111 | 50 | LDR-Biased | 23.682 | 23.406 | -0.276 |
| 112 | 50 | LDR-Unbiased | 23.752 | 23.368 | -0.384 |
| 113 | 50 | LDR-Unbiased | 23.642 | 23.253 | -0.389 |
| 115 | 50 | LDR-Unbiased | 23.365 | 23.642 | 0.277 |
| 116 | 50 | LDR-Unbiased | 23.108 | 23.64 | 0.532 |
| 117 | 50 | LDR-Unbiased | 24.161 | 22.971 | -1.19 |

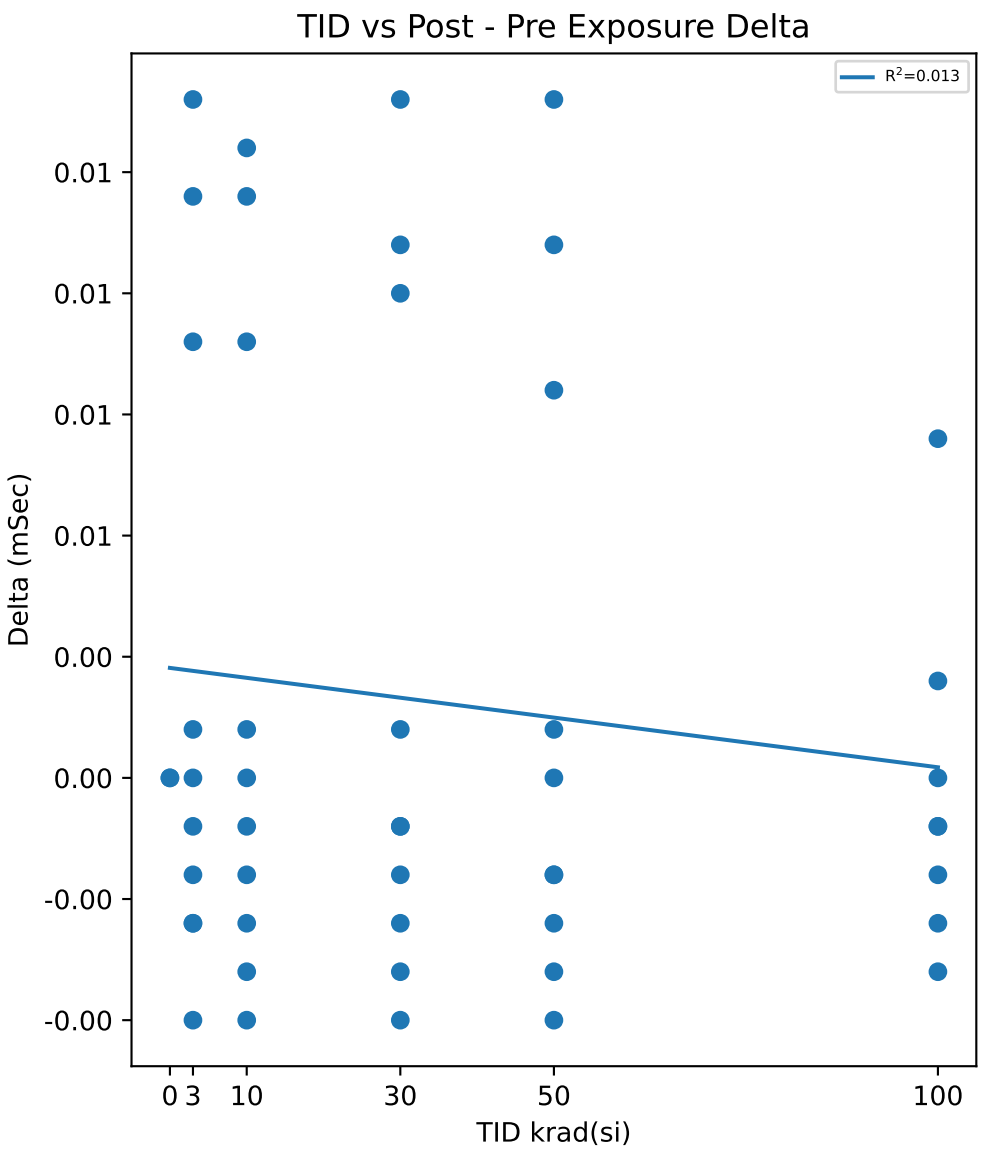



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.092 | 23.221 | 23.349 | 0.18173 | 23.092 | 23.221 | 23.349 | 0.18173 | 0 | 0 | 0 | 0 |
| 3 | 23.108 | 23.535 | 24.161 | 0.30355 | 22.971 | 23.408 | 24.066 | 0.35775 | -1.13 | -0.1275 | 0.958 | 0.55992 |
| 10 | 23.108 | 23.535 | 24.161 | 0.30355 | 23.081 | 23.399 | 23.988 | 0.32501 | -1.079 | -0.1363 | 0.88 | 0.52383 |
| 30 | 23.108 | 23.535 | 24.161 | 0.30355 | 22.943 | 23.354 | 23.767 | 0.29104 | -1.218 | -0.1811 | 0.62 | 0.4916 |
| 50 | 23.108 | 23.535 | 24.161 | 0.30355 | 22.971 | 23.372 | 23.693 | 0.25318 | -1.19 | -0.1633 | 0.532 | 0.48118 |
| 100 | 23.263 | 23.619 | 24.034 | 0.22296 | 22.937 | 23.402 | 23.976 | 0.36069 | -0.722 | -0.21687 | 0.445 | 0.43107 |

# Device Test: 4.24 treg_Res10p5K_SENSE1/SENSE1/7/3/0/10.5K/0/@REG_TIME_10KOHM



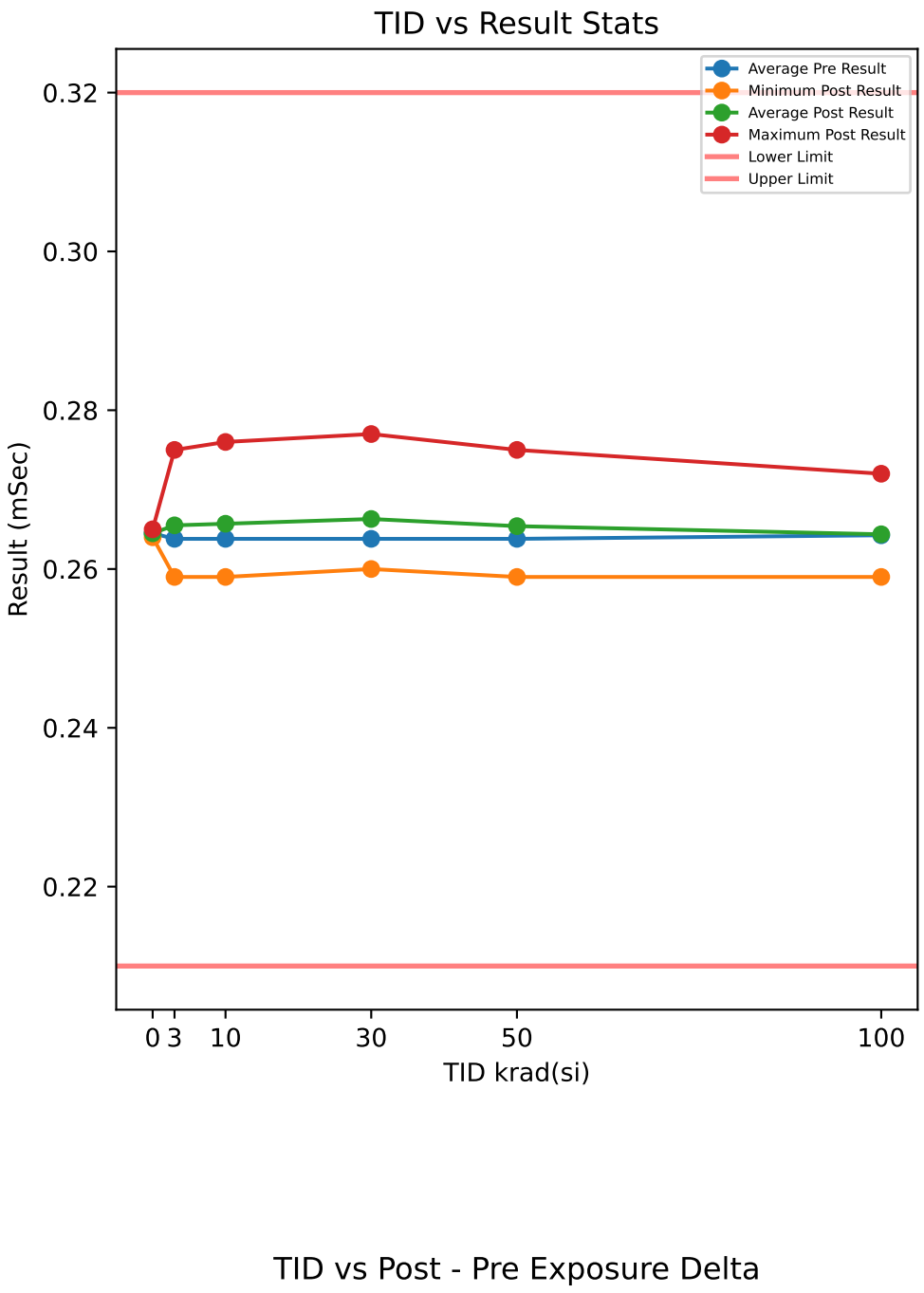

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

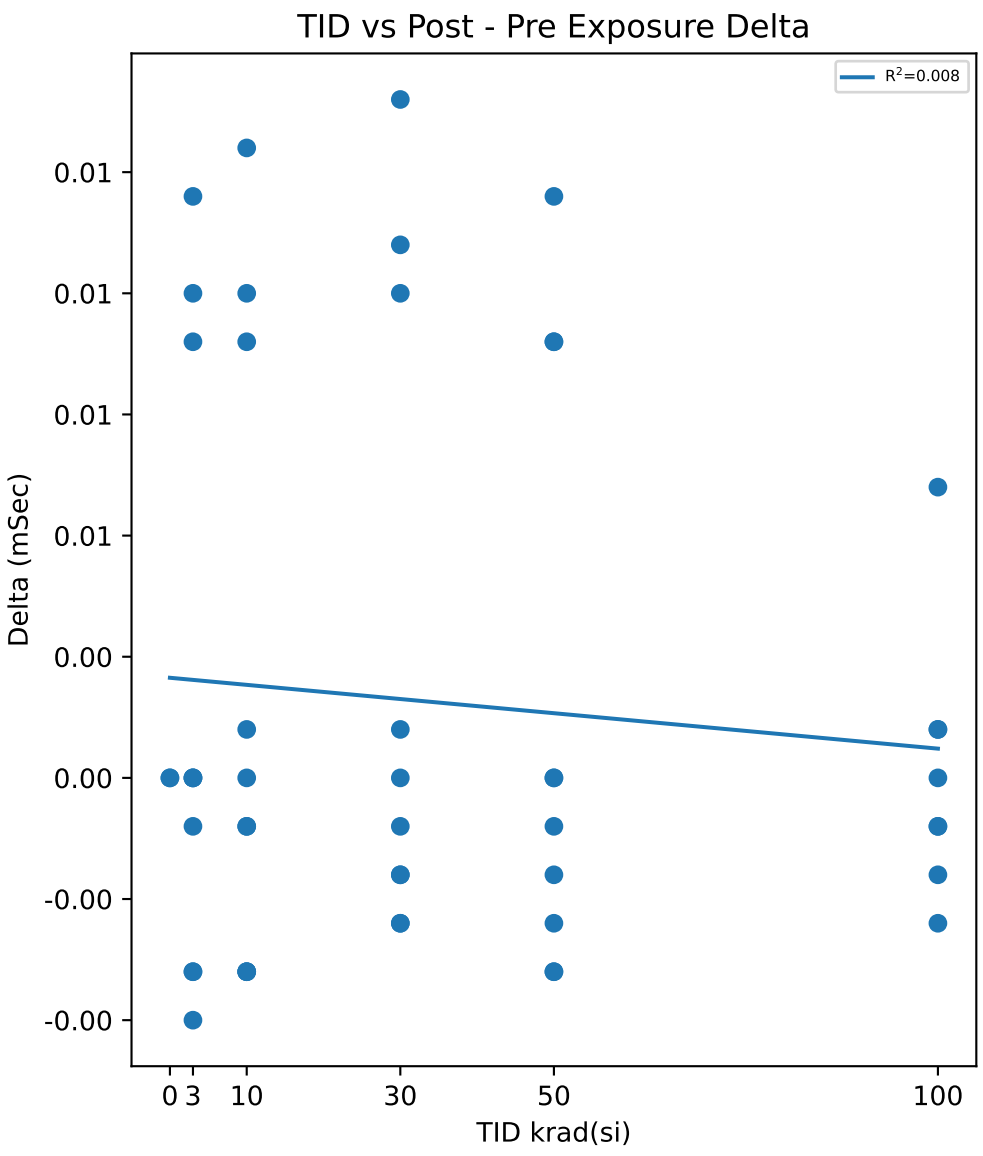
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.262 | 0.276 | 0.014 |
| 18 | 3 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 19 | 3 | LDR-Biased | 0.256 | 0.265 | 0.009 |
| 20 | 3 | LDR-Biased | 0.262 | 0.262 | 0 |
| 21 | 3 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.261 | -0.005 |
| 23 | 3 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.262 | 0.274 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 46 | 10 | LDR-Biased | 0.262 | 0.275 | 0.013 |
| 48 | 10 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 49 | 10 | LDR-Biased | 0.256 | 0.265 | 0.009 |
| 50 | 10 | LDR-Biased | 0.262 | 0.263 | 0.001 |
| 51 | 10 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.261 | -0.005 |
| 53 | 10 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.262 | 0.274 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 76 | 30 | LDR-Biased | 0.262 | 0.276 | 0.014 |
| 78 | 30 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 79 | 30 | LDR-Biased | 0.256 | 0.266 | 0.01 |
| 80 | 30 | LDR-Biased | 0.262 | 0.263 | 0.001 |
| 81 | 30 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.266 | 0.261 | -0.005 |
| 84 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.262 | 0.273 | 0.011 |
| 87 | 100 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 88 | 100 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 90 | 100 | LDR-Biased | 0.265 | 0.262 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.265 | 0.272 | 0.007 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.262 | 0.262 | 0 |
| 95 | 100 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.265 | 0.267 | 0.002 |
| 106 | 50 | LDR-Biased | 0.262 | 0.276 | 0.014 |
| 108 | 50 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 109 | 50 | LDR-Biased | 0.256 | 0.264 | 0.008 |
| 110 | 50 | LDR-Biased | 0.262 | 0.263 | 0.001 |
| 111 | 50 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.261 | -0.005 |
| 113 | 50 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.262 | 0.273 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.264 | 0.264 | 0 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.264 | 0.265 | 0.0014142 | 0.263 | 0.264 | 0.265 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.256 | 0.2628 | 0.266 | 0.002974 | 0.258 | 0.265 | 0.276 | 0.0056765 | -0.005 | 0.0022 | 0.014 | 0.0068443 |
| 10 | 0.256 | 0.2628 | 0.266 | 0.002974 | 0.258 | 0.2648 | 0.275 | 0.0054732 | -0.005 | 0.002 | 0.013 | 0.0067495 |
| 30 | 0.256 | 0.2628 | 0.266 | 0.002974 | 0.258 | 0.2648 | 0.276 | 0.0055337 | -0.005 | 0.002 | 0.014 | 0.0069442 |
| 50 | 0.256 | 0.2628 | 0.266 | 0.002974 | 0.258 | 0.2646 | 0.276 | 0.0055418 | -0.005 | 0.0018 | 0.014 | 0.0067297 |
| 100 | 0.262 | 0.2635 | 0.265 | 0.0014142 | 0.258 | 0.26325 | 0.272 | 0.0043012 | -0.004 | -0.00025 | 0.007 | 0.0034538 |

# Device Test: 4.25 treg_Res10p5K_SENSE2/SENSE2/7/3/0/10.5K/0/@REG_TIME_10KOHM



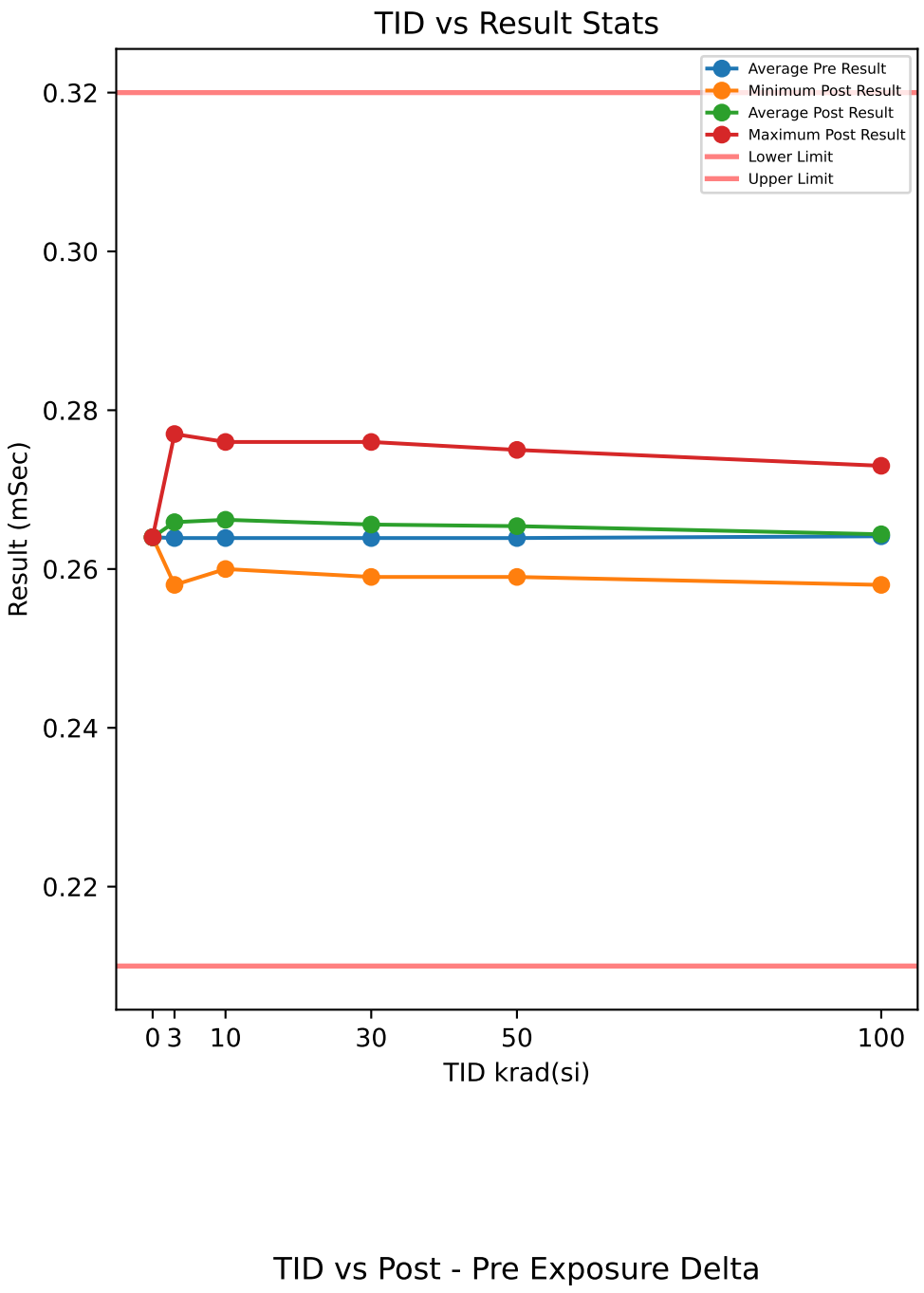

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

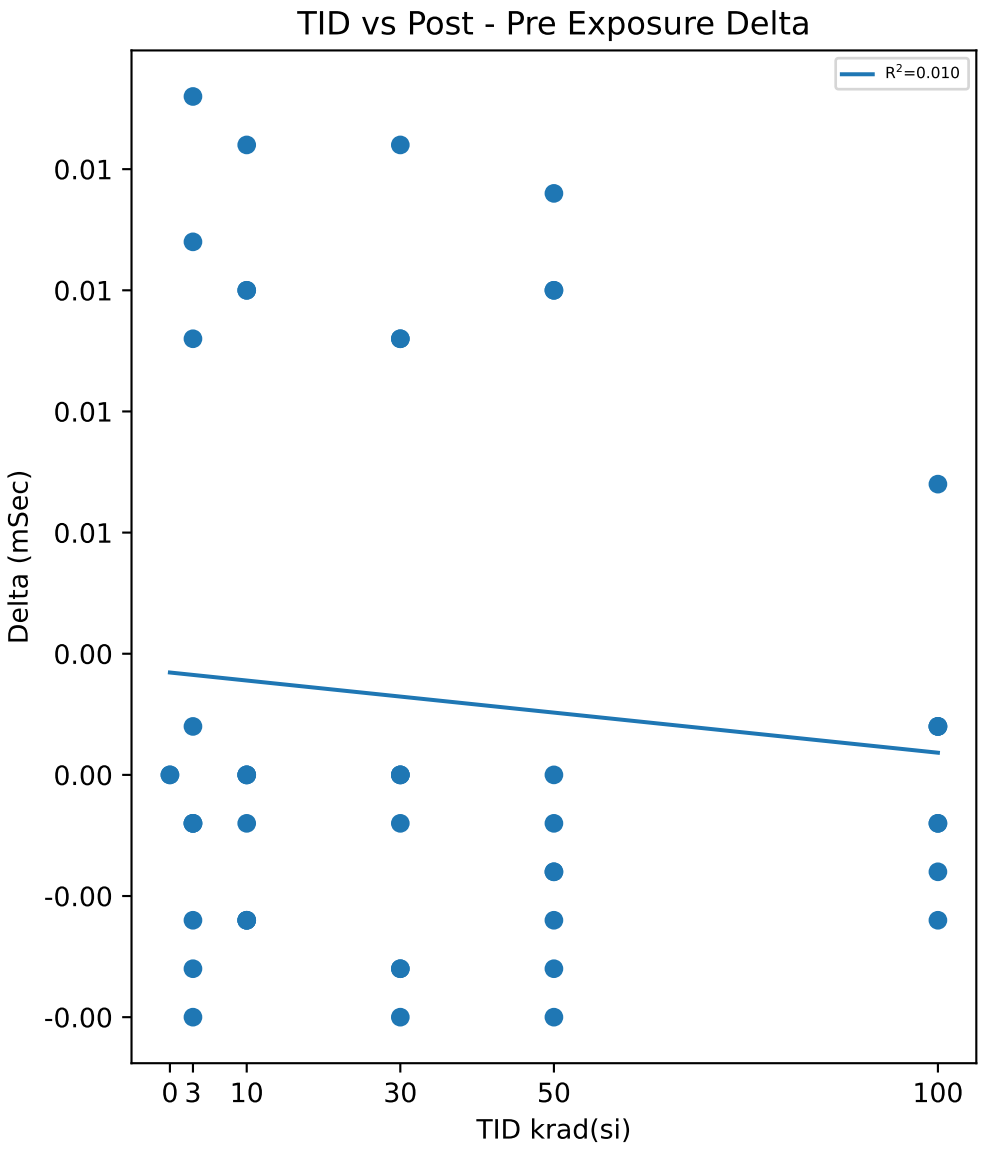
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.263 | 0.275 | 0.012 |
| 18 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 19 | 3 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 20 | 3 | LDR-Biased | 0.264 | 0.264 | 0 |
| 21 | 3 | LDR-Biased | 0.264 | 0.264 | 0 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.261 | -0.005 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.266 | 0.266 | 0 |
| 46 | 10 | LDR-Biased | 0.263 | 0.276 | 0.013 |
| 48 | 10 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 49 | 10 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 50 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 51 | 10 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 76 | 30 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 78 | 30 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 79 | 30 | LDR-Biased | 0.257 | 0.267 | 0.01 |
| 80 | 30 | LDR-Biased | 0.264 | 0.264 | 0 |
| 81 | 30 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 87 | 100 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 88 | 100 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 90 | 100 | LDR-Biased | 0.264 | 0.264 | 0 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.272 | 0.006 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 95 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 96 | 100 | LDR-Unbiased | 0.266 | 0.267 | 0.001 |
| 106 | 50 | LDR-Biased | 0.263 | 0.275 | 0.012 |
| 108 | 50 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 109 | 50 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 110 | 50 | LDR-Biased | 0.264 | 0.264 | 0 |
| 111 | 50 | LDR-Biased | 0.264 | 0.264 | 0 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.273 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.264 | 0.2645 | 0.265 | 0.00070711 | 0.264 | 0.2645 | 0.265 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.257 | 0.2638 | 0.267 | 0.0027406 | 0.259 | 0.2655 | 0.275 | 0.0051908 | -0.005 | 0.0017 | 0.012 | 0.0062725 |
| 10 | 0.257 | 0.2638 | 0.267 | 0.0027406 | 0.259 | 0.2657 | 0.276 | 0.0052926 | -0.004 | 0.0019 | 0.013 | 0.0063675 |
| 30 | 0.257 | 0.2638 | 0.267 | 0.0027406 | 0.26 | 0.2663 | 0.277 | 0.0054375 | -0.003 | 0.0025 | 0.014 | 0.0065192 |
| 50 | 0.257 | 0.2638 | 0.267 | 0.0027406 | 0.259 | 0.2654 | 0.275 | 0.0049486 | -0.004 | 0.0016 | 0.012 | 0.0060222 |
| 100 | 0.262 | 0.26425 | 0.266 | 0.0013887 | 0.259 | 0.26438 | 0.272 | 0.0038522 | -0.003 | 0.000125 | 0.006 | 0.0027484 |

# Device Test: 4.26 treg_Res10p5K_SENSE3/SENSE3/7/3/0/10.5K/0/@REG_TIME_10KOHM



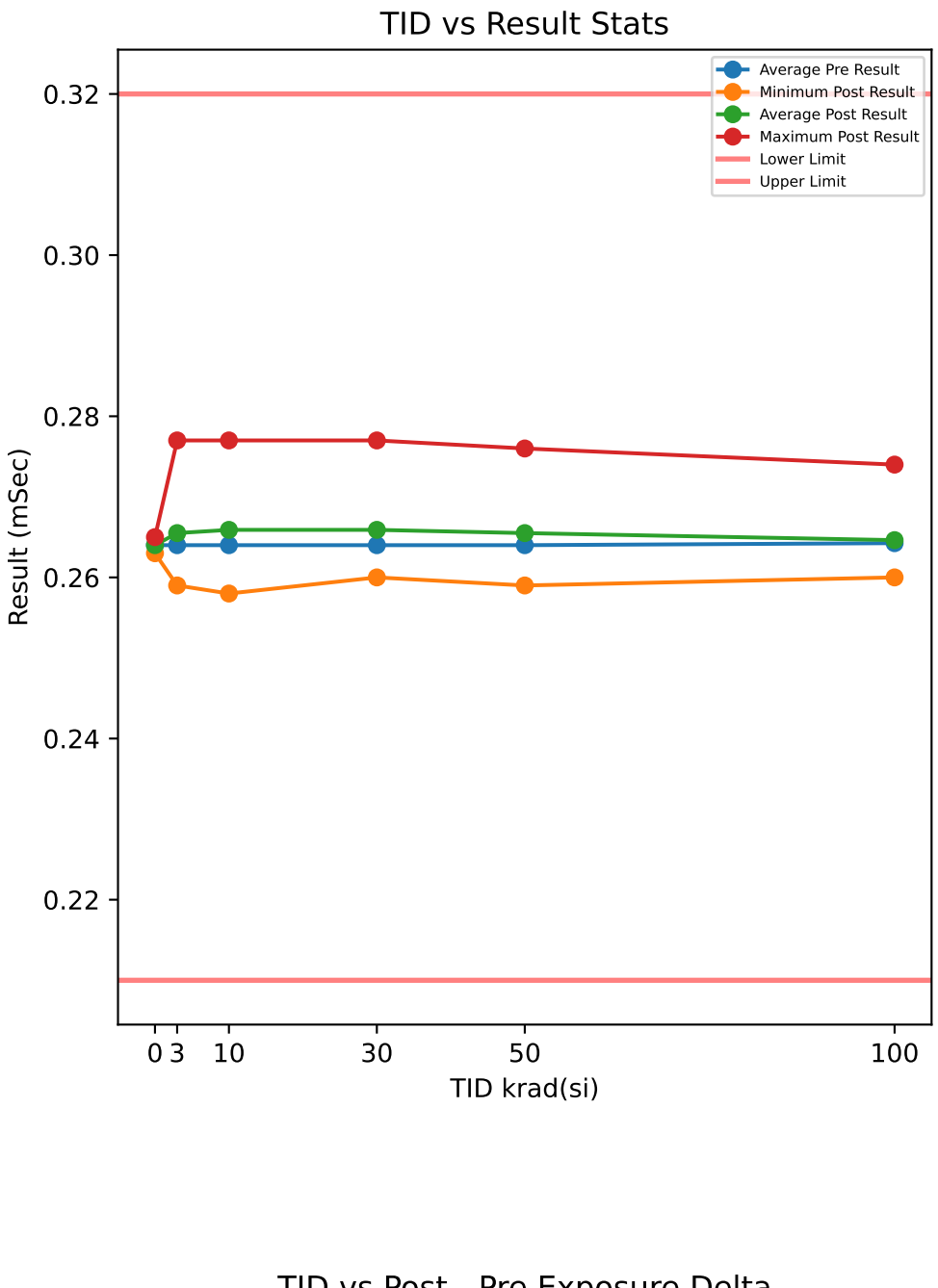

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

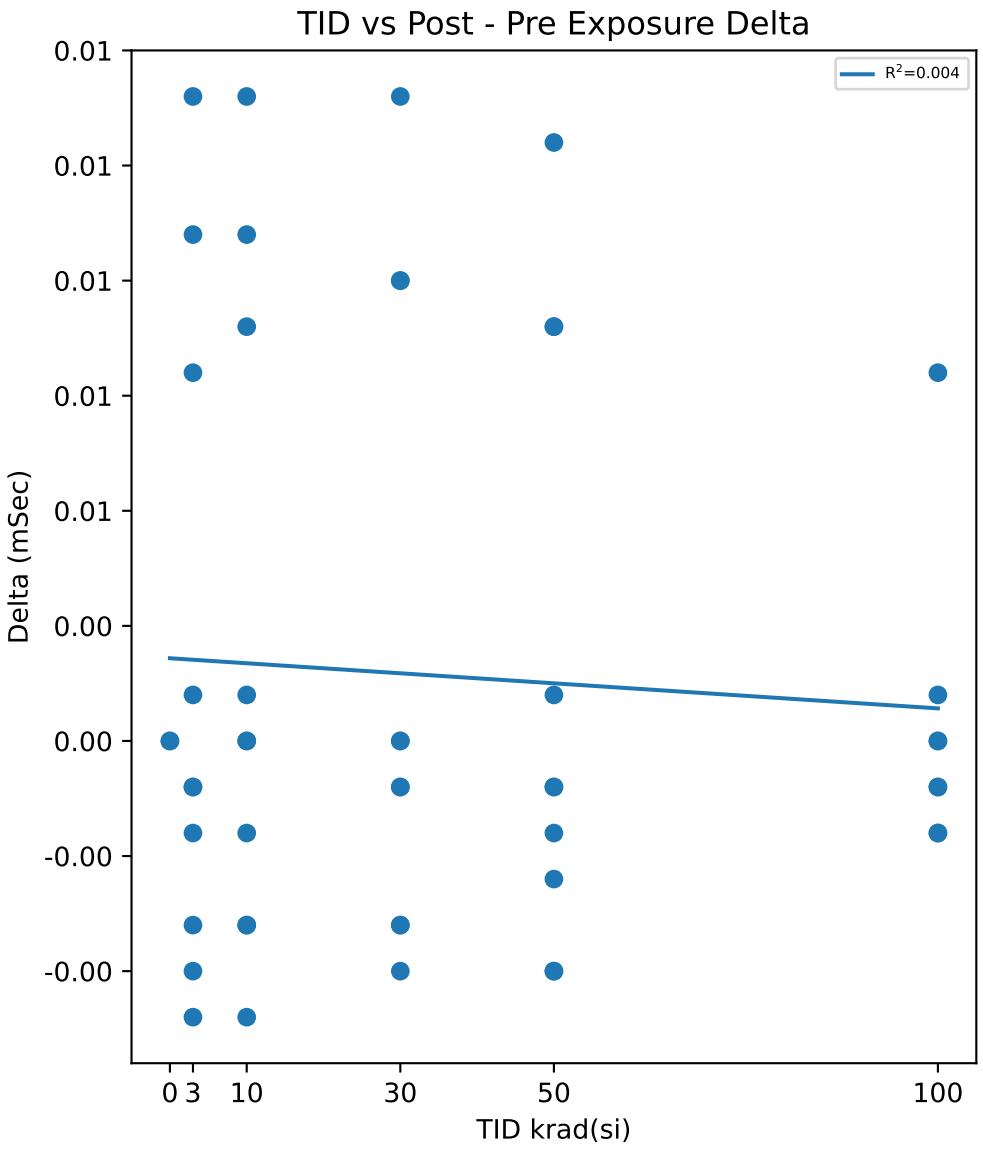
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 7 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 16 | 3 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 18 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 19 | 3 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 20 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 21 | 3 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 46 | 10 | LDR-Biased | 0.263 | 0.276 | 0.013 |
| 48 | 10 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 49 | 10 | LDR-Biased | 0.257 | 0.267 | 0.01 |
| 50 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 51 | 10 | LDR-Biased | 0.266 | 0.266 | 0 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 76 | 30 | LDR-Biased | 0.263 | 0.276 | 0.013 |
| 78 | 30 | LDR-Biased | 0.264 | 0.264 | 0 |
| 79 | 30 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 80 | 30 | LDR-Biased | 0.264 | 0.264 | 0 |
| 81 | 30 | LDR-Biased | 0.266 | 0.266 | 0 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 84 | 30 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.273 | 0.009 |
| 87 | 100 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 88 | 100 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 90 | 100 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.273 | 0.006 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.263 | 0.264 | 0.001 |
| 95 | 100 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 96 | 100 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 106 | 50 | LDR-Biased | 0.263 | 0.275 | 0.012 |
| 108 | 50 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 109 | 50 | LDR-Biased | 0.257 | 0.267 | 0.01 |
| 110 | 50 | LDR-Biased | 0.264 | 0.264 | 0 |
| 111 | 50 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.264 | 0.264 | 0.264 | 0 | 0.264 | 0.264 | 0.264 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.257 | 0.2639 | 0.267 | 0.0027669 | 0.258 | 0.2659 | 0.277 | 0.0058013 | -0.005 | 0.002 | 0.014 | 0.0067659 |
| 10 | 0.257 | 0.2639 | 0.267 | 0.0027669 | 0.26 | 0.2662 | 0.276 | 0.0050288 | -0.003 | 0.0023 | 0.013 | 0.0061833 |
| 30 | 0.257 | 0.2639 | 0.267 | 0.0027669 | 0.259 | 0.2656 | 0.276 | 0.0051683 | -0.005 | 0.0017 | 0.013 | 0.0063254 |
| 50 | 0.257 | 0.2639 | 0.267 | 0.0027669 | 0.259 | 0.2654 | 0.275 | 0.0052111 | -0.005 | 0.0015 | 0.012 | 0.0065021 |
| 100 | 0.261 | 0.26412 | 0.267 | 0.0019594 | 0.258 | 0.26438 | 0.273 | 0.0042067 | -0.003 | 0.00025 | 0.006 | 0.0027646 |

# Device Test: 4.27 treg_Res10p5K_SENSE4/SENSE4/7/3/0/10.5K/0/@REG_TIME_10KOHM



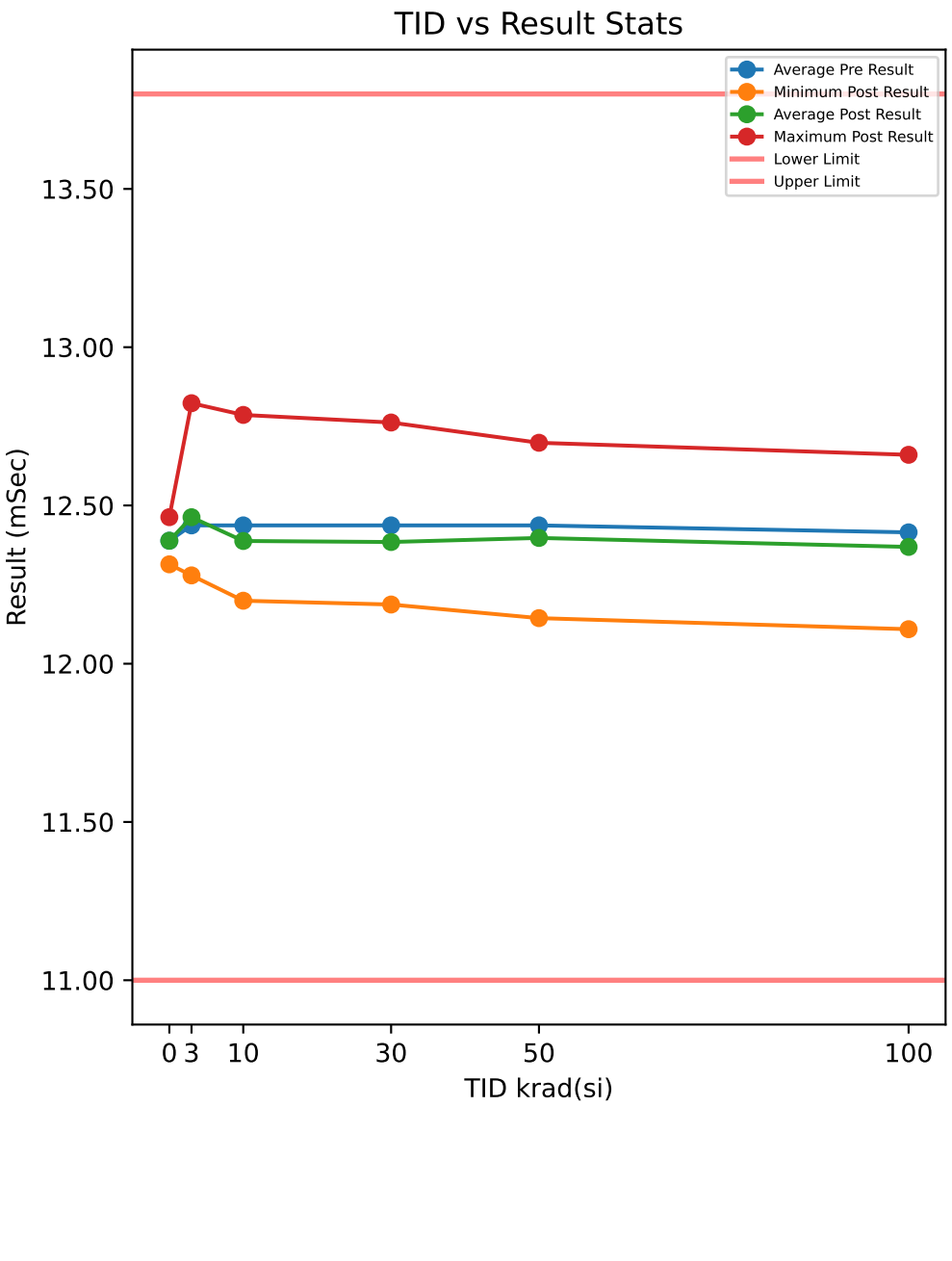

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

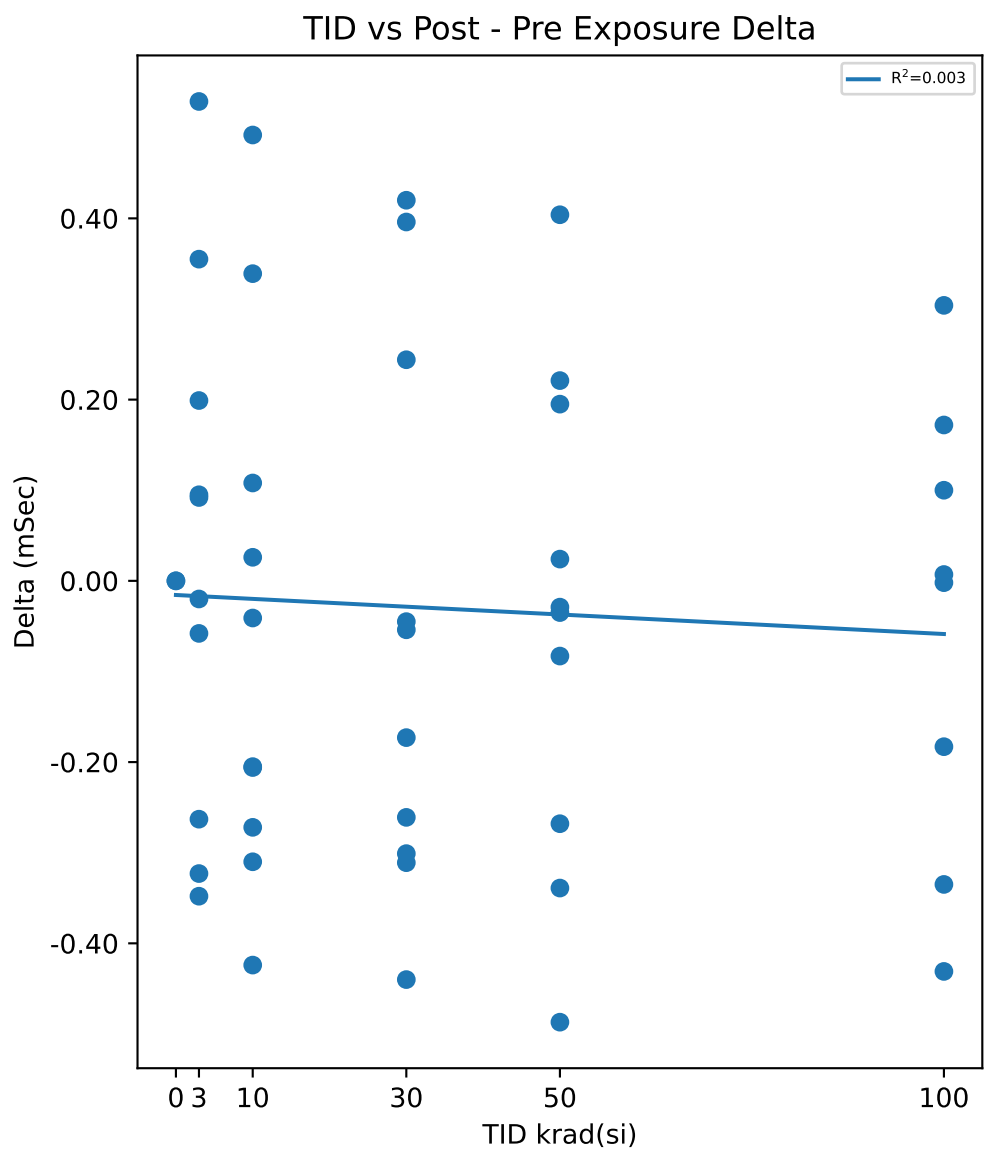
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 18 | 3 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 19 | 3 | LDR-Biased | 0.257 | 0.265 | 0.008 |
| 20 | 3 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 21 | 3 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.261 | -0.006 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 46 | 10 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 48 | 10 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 49 | 10 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 50 | 10 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 51 | 10 | LDR-Biased | 0.265 | 0.265 | 0 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.264 | 0.258 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 76 | 30 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 78 | 30 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 79 | 30 | LDR-Biased | 0.257 | 0.267 | 0.01 |
| 80 | 30 | LDR-Biased | 0.263 | 0.263 | 0 |
| 81 | 30 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 84 | 30 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 85 | 30 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 87 | 100 | LDR-Biased | 0.263 | 0.263 | 0 |
| 88 | 100 | LDR-Biased | 0.264 | 0.264 | 0 |
| 90 | 100 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 95 | 100 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 96 | 100 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 106 | 50 | LDR-Biased | 0.263 | 0.276 | 0.013 |
| 108 | 50 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 109 | 50 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 110 | 50 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 111 | 50 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.273 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.264 | 0.265 | 0.0014142 | 0.263 | 0.264 | 0.265 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.257 | 0.264 | 0.267 | 0.0028284 | 0.259 | 0.2655 | 0.277 | 0.0058166 | -0.006 | 0.0015 | 0.014 | 0.0070119 |
| 10 | 0.257 | 0.264 | 0.267 | 0.0028284 | 0.258 | 0.2659 | 0.277 | 0.0057629 | -0.006 | 0.0019 | 0.014 | 0.0069514 |
| 30 | 0.257 | 0.264 | 0.267 | 0.0028284 | 0.26 | 0.2659 | 0.277 | 0.0054252 | -0.005 | 0.0019 | 0.014 | 0.0068223 |
| 50 | 0.257 | 0.264 | 0.267 | 0.0028284 | 0.259 | 0.2655 | 0.276 | 0.0051262 | -0.005 | 0.0015 | 0.013 | 0.0064507 |
| 100 | 0.261 | 0.26425 | 0.266 | 0.001669 | 0.26 | 0.26462 | 0.274 | 0.0041382 | -0.002 | 0.000375 | 0.008 | 0.0032486 |

# Device Test: 4.28 treg_Res619K_SENSE1/SENSE1/7/3/0/619K/0/@REG_TIME_500KOHM



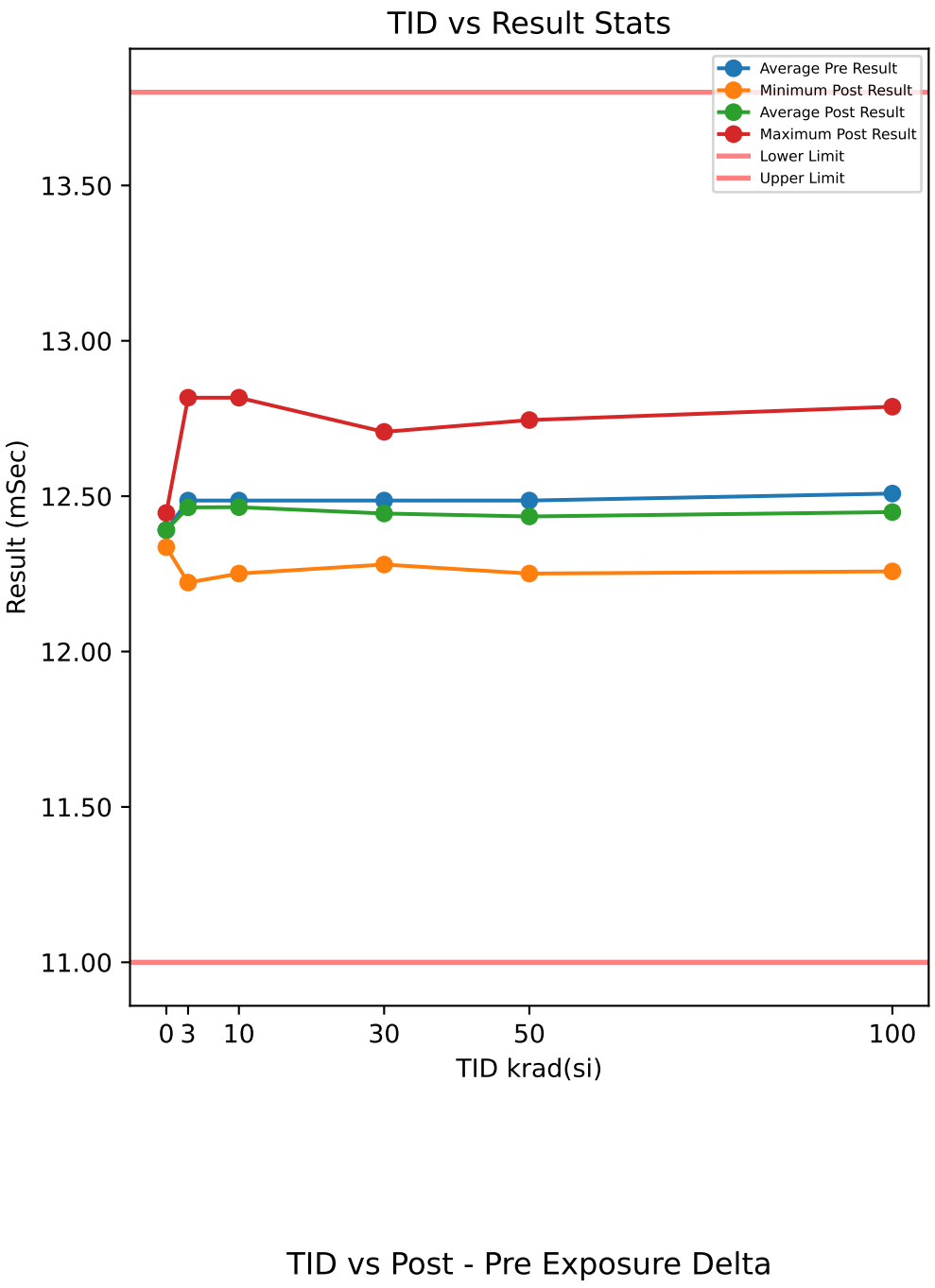

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

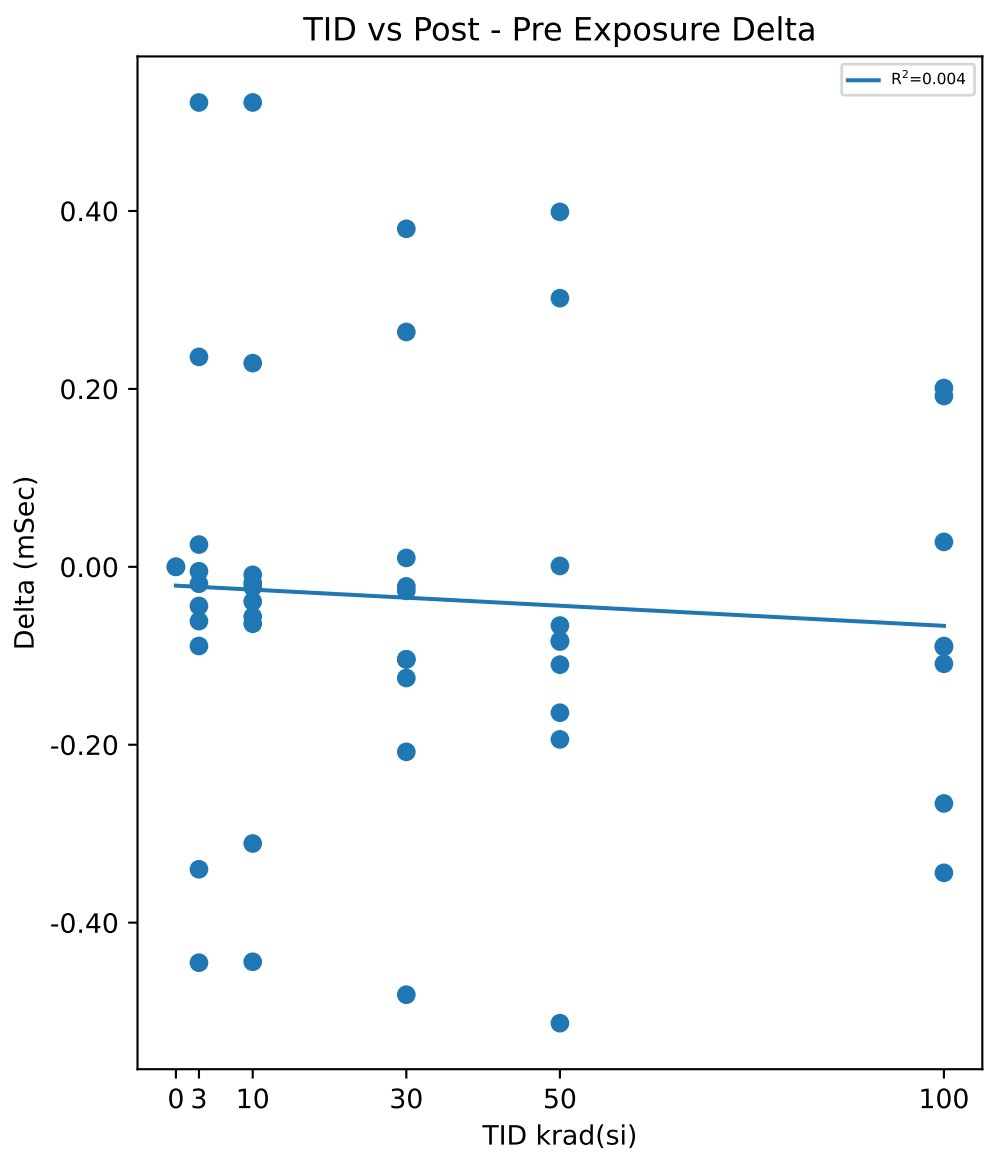
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.314 | 12.314 | 0 |
| 7 | 0 | Correlation | 12.463 | 12.463 | 0 |
| 16 | 3 | LDR-Biased | 12.366 | 12.721 | 0.355 |
| 18 | 3 | LDR-Biased | 12.344 | 12.439 | 0.095 |
| 19 | 3 | LDR-Biased | 12.252 | 12.344 | 0.092 |
| 20 | 3 | LDR-Biased | 12.405 | 12.385 | -0.02 |
| 21 | 3 | LDR-Biased | 12.529 | 12.471 | -0.058 |
| 22 | 3 | LDR-Unbiased | 12.632 | 12.369 | -0.263 |
| 23 | 3 | LDR-Unbiased | 12.627 | 12.279 | -0.348 |
| 25 | 3 | LDR-Unbiased | 12.29 | 12.489 | 0.199 |
| 26 | 3 | LDR-Unbiased | 12.294 | 12.823 | 0.529 |
| 27 | 3 | LDR-Unbiased | 12.631 | 12.308 | -0.323 |
| 46 | 10 | LDR-Biased | 12.366 | 12.705 | 0.339 |
| 48 | 10 | LDR-Biased | 12.344 | 12.452 | 0.108 |
| 49 | 10 | LDR-Biased | 12.252 | 12.211 | -0.041 |
| 50 | 10 | LDR-Biased | 12.405 | 12.199 | -0.206 |
| 51 | 10 | LDR-Biased | 12.529 | 12.324 | -0.205 |
| 52 | 10 | LDR-Unbiased | 12.632 | 12.36 | -0.272 |
| 53 | 10 | LDR-Unbiased | 12.627 | 12.317 | -0.31 |
| 55 | 10 | LDR-Unbiased | 12.29 | 12.316 | 0.026 |
| 56 | 10 | LDR-Unbiased | 12.294 | 12.786 | 0.492 |
| 57 | 10 | LDR-Unbiased | 12.631 | 12.207 | -0.424 |
| 76 | 30 | LDR-Biased | 12.366 | 12.762 | 0.396 |
| 78 | 30 | LDR-Biased | 12.344 | 12.299 | -0.045 |
| 79 | 30 | LDR-Biased | 12.252 | 12.198 | -0.054 |
| 80 | 30 | LDR-Biased | 12.405 | 12.232 | -0.173 |
| 81 | 30 | LDR-Biased | 12.529 | 12.268 | -0.261 |
| 82 | 30 | LDR-Unbiased | 12.632 | 12.321 | -0.311 |
| 83 | 30 | LDR-Unbiased | 12.627 | 12.187 | -0.44 |
| 84 | 30 | LDR-Unbiased | 12.631 | 12.33 | -0.301 |
| 85 | 30 | LDR-Unbiased | 12.29 | 12.534 | 0.244 |
| 86 | 30 | LDR-Unbiased | 12.294 | 12.714 | 0.42 |
| 87 | 100 | LDR-Biased | 12.422 | 12.429 | 0.007 |
| 88 | 100 | LDR-Biased | 12.35 | 12.167 | -0.183 |
| 90 | 100 | LDR-Biased | 12.319 | 12.317 | -0.002 |
| 91 | 100 | LDR-Unbiased | 12.488 | 12.66 | 0.172 |
| 93 | 100 | LDR-Unbiased | 12.54 | 12.109 | -0.431 |
| 94 | 100 | LDR-Unbiased | 12.351 | 12.451 | 0.1 |
| 95 | 100 | LDR-Unbiased | 12.223 | 12.527 | 0.304 |
| 96 | 100 | LDR-Unbiased | 12.627 | 12.292 | -0.335 |
| 106 | 50 | LDR-Biased | 12.366 | 12.587 | 0.221 |
| 108 | 50 | LDR-Biased | 12.344 | 12.368 | 0.024 |
| 109 | 50 | LDR-Biased | 12.252 | 12.217 | -0.035 |
| 110 | 50 | LDR-Biased | 12.405 | 12.376 | -0.029 |
| 111 | 50 | LDR-Biased | 12.529 | 12.446 | -0.083 |
| 112 | 50 | LDR-Unbiased | 12.632 | 12.293 | -0.339 |
| 113 | 50 | LDR-Unbiased | 12.627 | 12.359 | -0.268 |
| 115 | 50 | LDR-Unbiased | 12.29 | 12.485 | 0.195 |
| 116 | 50 | LDR-Unbiased | 12.294 | 12.698 | 0.404 |
| 117 | 50 | LDR-Unbiased | 12.631 | 12.144 | -0.487 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.314 | 12.389 | 12.463 | 0.10536 | 12.314 | 12.389 | 12.463 | 0.10536 | 0 | 0 | 0 | 0 |
| 3 | 12.252 | 12.437 | 12.632 | 0.1532 | 12.279 | 12.463 | 12.823 | 0.17778 | -0.348 | 0.0258 | 0.529 | 0.28957 |
| 10 | 12.252 | 12.437 | 12.632 | 0.1532 | 12.199 | 12.388 | 12.786 | 0.20491 | -0.424 | -0.0493 | 0.492 | 0.29458 |
| 30 | 12.252 | 12.437 | 12.632 | 0.1532 | 12.187 | 12.384 | 12.762 | 0.21038 | -0.44 | -0.0525 | 0.42 | 0.30716 |
| 50 | 12.252 | 12.437 | 12.632 | 0.1532 | 12.144 | 12.397 | 12.698 | 0.1656 | -0.487 | -0.0397 | 0.404 | 0.27239 |
| 100 | 12.223 | 12.415 | 12.627 | 0.13112 | 12.109 | 12.369 | 12.66 | 0.18401 | -0.431 | -0.046 | 0.304 | 0.25259 |

# Device Test: 4.29 treg_Res619K_SENSE2/SENSE2/7/3/0/619K/0/@REG_TIME_500KOHM



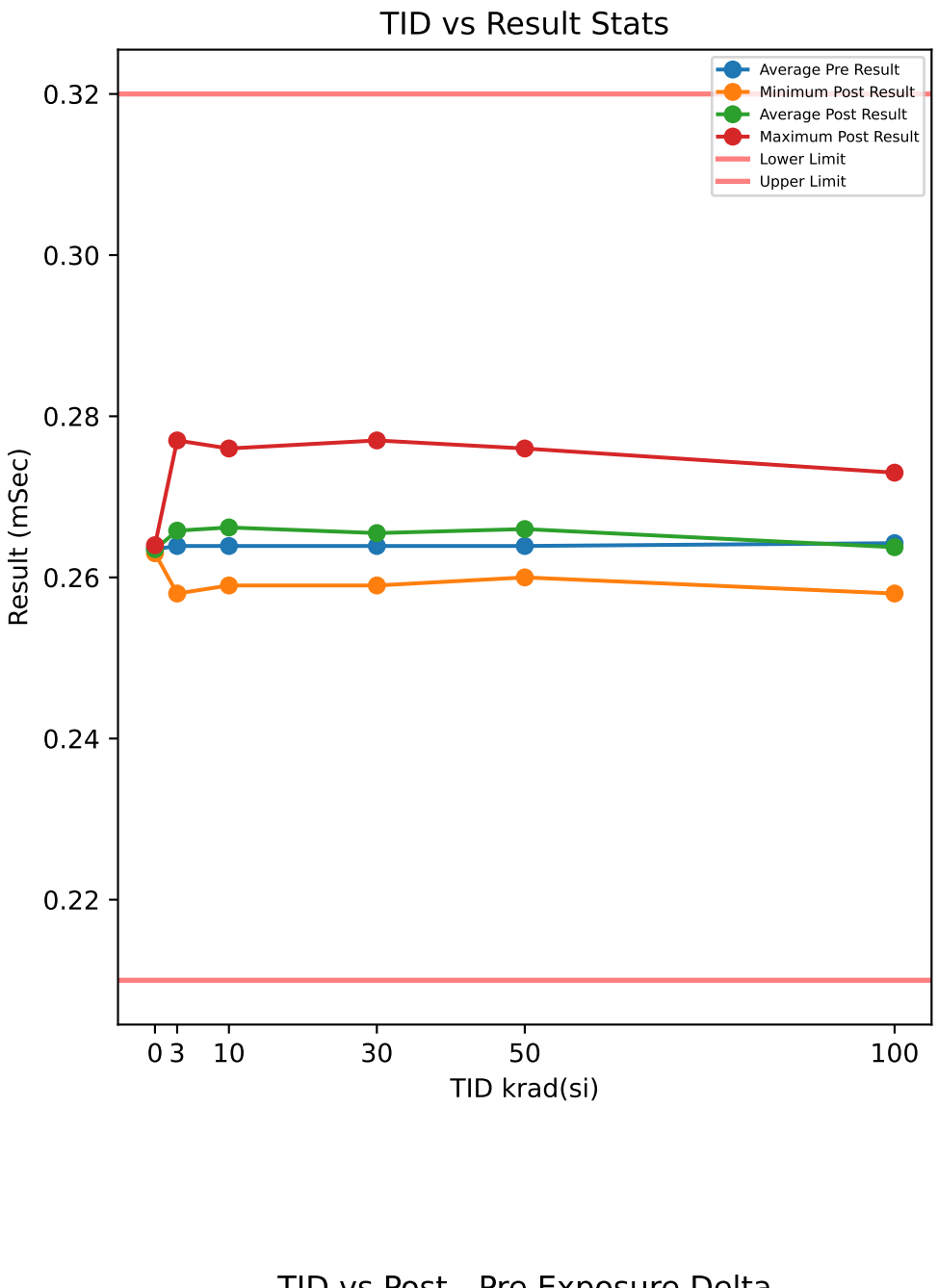

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

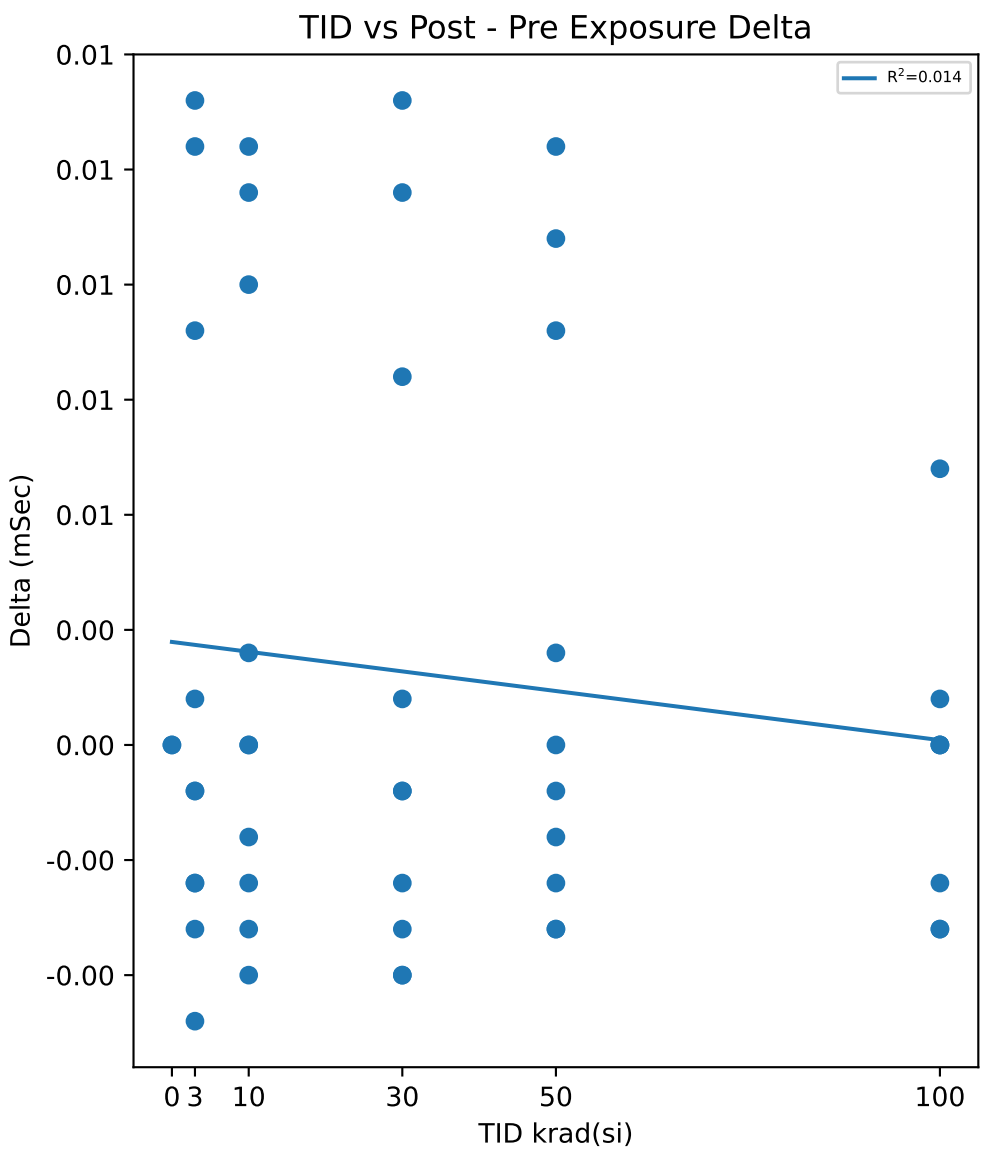
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.336 | 12.336 | 0 |
| 7 | 0 | Correlation | 12.446 | 12.446 | 0 |
| 16 | 3 | LDR-Biased | 12.443 | 12.679 | 0.236 |
| 18 | 3 | LDR-Biased | 12.424 | 12.449 | 0.025 |
| 19 | 3 | LDR-Biased | 12.384 | 12.323 | -0.061 |
| 20 | 3 | LDR-Biased | 12.395 | 12.376 | -0.019 |
| 21 | 3 | LDR-Biased | 12.526 | 12.482 | -0.044 |
| 22 | 3 | LDR-Unbiased | 12.589 | 12.5 | -0.089 |
| 23 | 3 | LDR-Unbiased | 12.562 | 12.222 | -0.34 |
| 25 | 3 | LDR-Unbiased | 12.478 | 12.473 | -0.005 |
| 26 | 3 | LDR-Unbiased | 12.295 | 12.817 | 0.522 |
| 27 | 3 | LDR-Unbiased | 12.764 | 12.319 | -0.445 |
| 46 | 10 | LDR-Biased | 12.443 | 12.672 | 0.229 |
| 48 | 10 | LDR-Biased | 12.424 | 12.385 | -0.039 |
| 49 | 10 | LDR-Biased | 12.384 | 12.366 | -0.018 |
| 50 | 10 | LDR-Biased | 12.395 | 12.372 | -0.023 |
| 51 | 10 | LDR-Biased | 12.526 | 12.462 | -0.064 |
| 52 | 10 | LDR-Unbiased | 12.589 | 12.533 | -0.056 |
| 53 | 10 | LDR-Unbiased | 12.562 | 12.251 | -0.311 |
| 55 | 10 | LDR-Unbiased | 12.478 | 12.469 | -0.009 |
| 56 | 10 | LDR-Unbiased | 12.295 | 12.817 | 0.522 |
| 57 | 10 | LDR-Unbiased | 12.764 | 12.32 | -0.444 |
| 76 | 30 | LDR-Biased | 12.443 | 12.707 | 0.264 |
| 78 | 30 | LDR-Biased | 12.424 | 12.434 | 0.01 |
| 79 | 30 | LDR-Biased | 12.384 | 12.28 | -0.104 |
| 80 | 30 | LDR-Biased | 12.395 | 12.373 | -0.022 |
| 81 | 30 | LDR-Biased | 12.526 | 12.422 | -0.104 |
| 82 | 30 | LDR-Unbiased | 12.589 | 12.464 | -0.125 |
| 83 | 30 | LDR-Unbiased | 12.562 | 12.354 | -0.208 |
| 84 | 30 | LDR-Unbiased | 12.764 | 12.283 | -0.481 |
| 85 | 30 | LDR-Unbiased | 12.478 | 12.451 | -0.027 |
| 86 | 30 | LDR-Unbiased | 12.295 | 12.675 | 0.38 |
| 87 | 100 | LDR-Biased | 12.589 | 12.5 | -0.089 |
| 88 | 100 | LDR-Biased | 12.441 | 12.332 | -0.109 |
| 90 | 100 | LDR-Biased | 12.42 | 12.33 | -0.09 |
| 91 | 100 | LDR-Unbiased | 12.587 | 12.788 | 0.201 |
| 93 | 100 | LDR-Unbiased | 12.524 | 12.258 | -0.266 |
| 94 | 100 | LDR-Unbiased | 12.43 | 12.458 | 0.028 |
| 95 | 100 | LDR-Unbiased | 12.328 | 12.52 | 0.192 |
| 96 | 100 | LDR-Unbiased | 12.749 | 12.405 | -0.344 |
| 106 | 50 | LDR-Biased | 12.443 | 12.745 | 0.302 |
| 108 | 50 | LDR-Biased | 12.424 | 12.425 | 0.001 |
| 109 | 50 | LDR-Biased | 12.384 | 12.274 | -0.11 |
| 110 | 50 | LDR-Biased | 12.395 | 12.312 | -0.083 |
| 111 | 50 | LDR-Biased | 12.526 | 12.442 | -0.084 |
| 112 | 50 | LDR-Unbiased | 12.589 | 12.425 | -0.164 |
| 113 | 50 | LDR-Unbiased | 12.562 | 12.368 | -0.194 |
| 115 | 50 | LDR-Unbiased | 12.478 | 12.412 | -0.066 |
| 116 | 50 | LDR-Unbiased | 12.295 | 12.694 | 0.399 |
| 117 | 50 | LDR-Unbiased | 12.764 | 12.251 | -0.513 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.336 | 12.391 | 12.446 | 0.077782 | 12.336 | 12.391 | 12.446 | 0.077782 | 0 | 0 | 0 | 0 |
| 3 | 12.295 | 12.486 | 12.764 | 0.13174 | 12.222 | 12.464 | 12.817 | 0.17638 | -0.445 | -0.022 | 0.522 | 0.26906 |
| 10 | 12.295 | 12.486 | 12.764 | 0.13174 | 12.251 | 12.465 | 12.817 | 0.17097 | -0.444 | -0.0213 | 0.522 | 0.2633 |
| 30 | 12.295 | 12.486 | 12.764 | 0.13174 | 12.28 | 12.444 | 12.707 | 0.14511 | -0.481 | -0.0417 | 0.38 | 0.23802 |
| 50 | 12.295 | 12.486 | 12.764 | 0.13174 | 12.251 | 12.435 | 12.745 | 0.16444 | -0.513 | -0.0512 | 0.399 | 0.25436 |
| 100 | 12.328 | 12.508 | 12.749 | 0.13194 | 12.258 | 12.449 | 12.788 | 0.16428 | -0.344 | -0.059625 | 0.201 | 0.19516 |

# Device Test: 4.3 treg_Res10p5K_SENSE4/SENSE4/1.6/3/0/10.5K/0/@REG_TIME_10KOHM



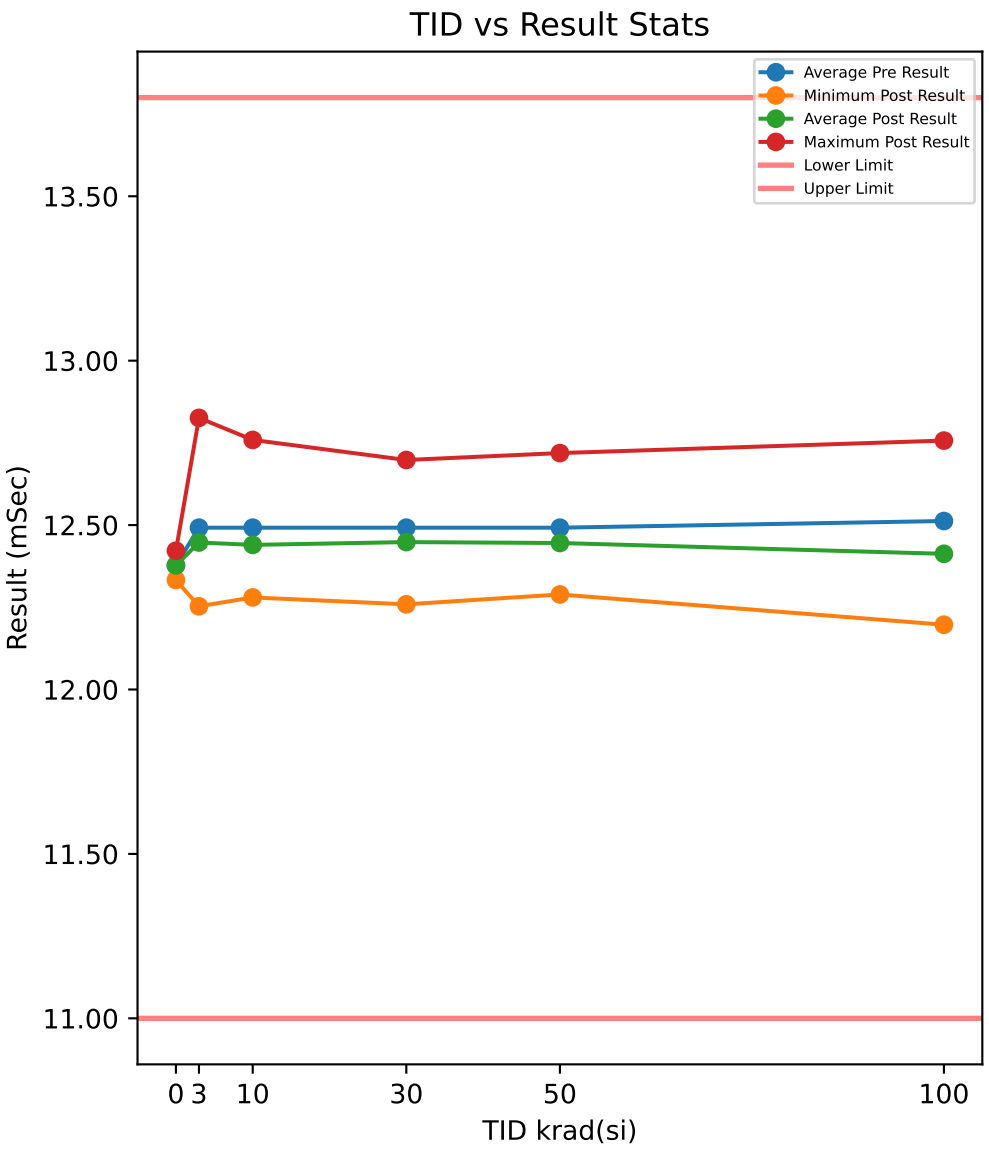

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

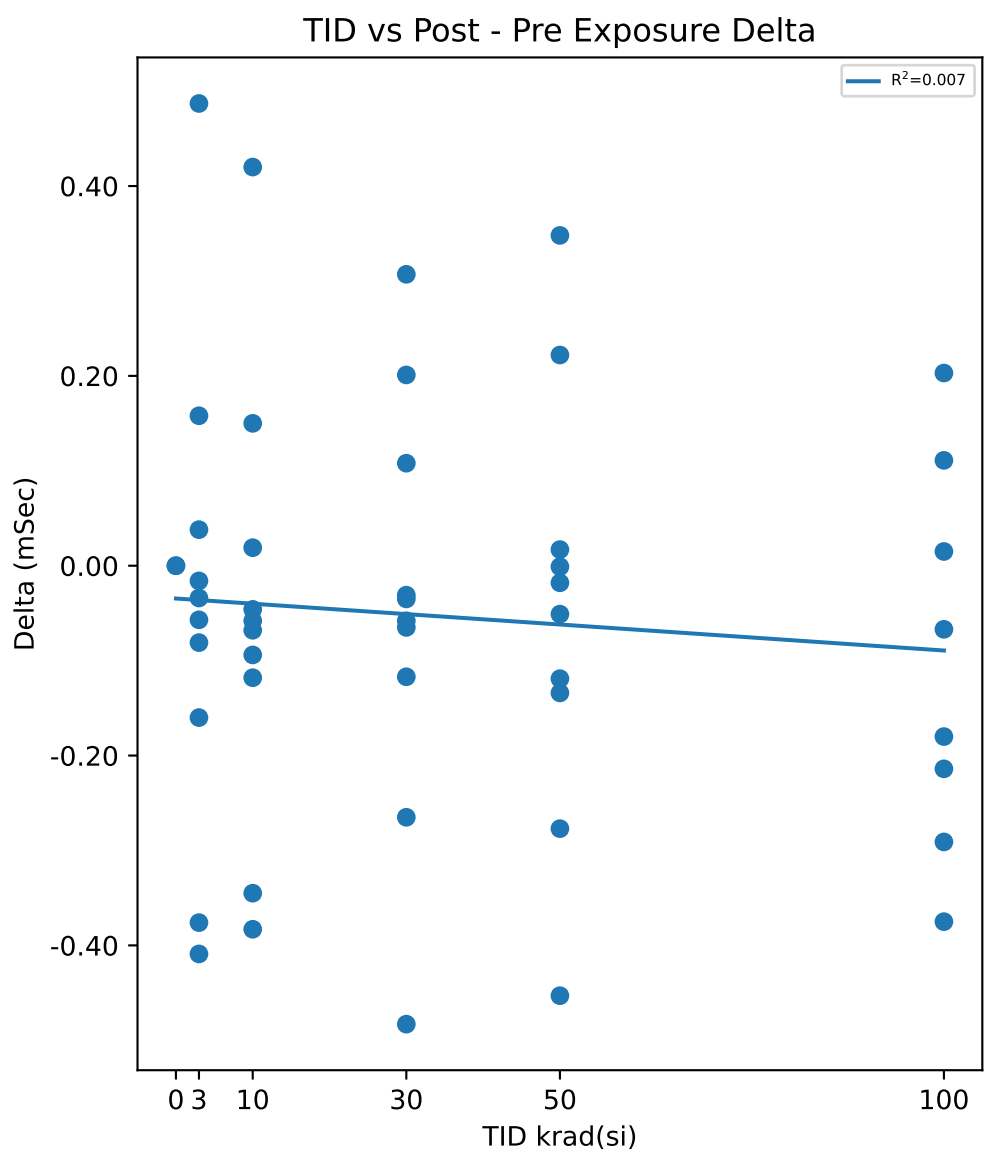
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 7 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 16 | 3 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 18 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 19 | 3 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 20 | 3 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 21 | 3 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.264 | 0.258 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.263 | 0.276 | 0.013 |
| 27 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 46 | 10 | LDR-Biased | 0.263 | 0.276 | 0.013 |
| 48 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 49 | 10 | LDR-Biased | 0.257 | 0.267 | 0.01 |
| 50 | 10 | LDR-Biased | 0.263 | 0.265 | 0.002 |
| 51 | 10 | LDR-Biased | 0.265 | 0.265 | 0 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 56 | 10 | LDR-Unbiased | 0.263 | 0.275 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 76 | 30 | LDR-Biased | 0.263 | 0.277 | 0.014 |
| 78 | 30 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 79 | 30 | LDR-Biased | 0.257 | 0.265 | 0.008 |
| 80 | 30 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 81 | 30 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 84 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.263 | 0.275 | 0.012 |
| 87 | 100 | LDR-Biased | 0.262 | 0.262 | 0 |
| 88 | 100 | LDR-Biased | 0.263 | 0.263 | 0 |
| 90 | 100 | LDR-Biased | 0.265 | 0.262 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.273 | 0.006 |
| 93 | 100 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 94 | 100 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 95 | 100 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 106 | 50 | LDR-Biased | 0.263 | 0.276 | 0.013 |
| 108 | 50 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 109 | 50 | LDR-Biased | 0.257 | 0.266 | 0.009 |
| 110 | 50 | LDR-Biased | 0.263 | 0.265 | 0.002 |
| 111 | 50 | LDR-Biased | 0.265 | 0.265 | 0 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.263 | 0.274 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.2635 | 0.264 | 0.00070711 | 0.263 | 0.2635 | 0.264 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.257 | 0.2639 | 0.267 | 0.0028848 | 0.258 | 0.2658 | 0.277 | 0.0059963 | -0.006 | 0.0019 | 0.014 | 0.007325 |
| 10 | 0.257 | 0.2639 | 0.267 | 0.0028848 | 0.259 | 0.2662 | 0.276 | 0.0053292 | -0.005 | 0.0023 | 0.013 | 0.0068158 |
| 30 | 0.257 | 0.2639 | 0.267 | 0.0028848 | 0.259 | 0.2655 | 0.277 | 0.0057975 | -0.005 | 0.0016 | 0.014 | 0.0071212 |
| 50 | 0.257 | 0.2639 | 0.267 | 0.0028848 | 0.26 | 0.266 | 0.276 | 0.0050553 | -0.004 | 0.0021 | 0.013 | 0.0064713 |
| 100 | 0.262 | 0.26425 | 0.267 | 0.0018323 | 0.258 | 0.26375 | 0.273 | 0.0043671 | -0.004 | -0.0005 | 0.006 | 0.003295 |

# Device Test: 4.30 treg_Res619K_SENSE3/SENSE3/7/3/0/619K/0/@REG_TIME_500KOHM



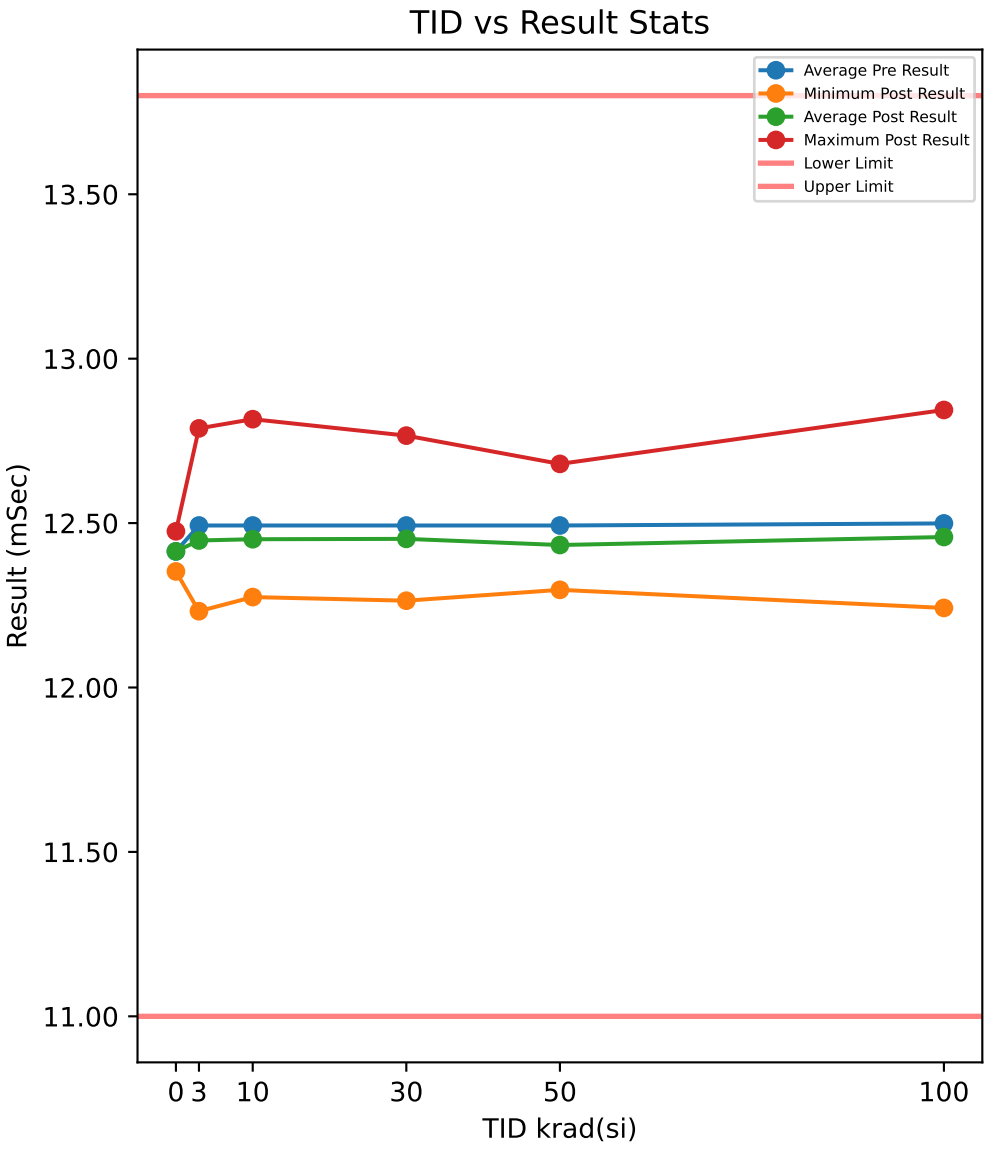

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

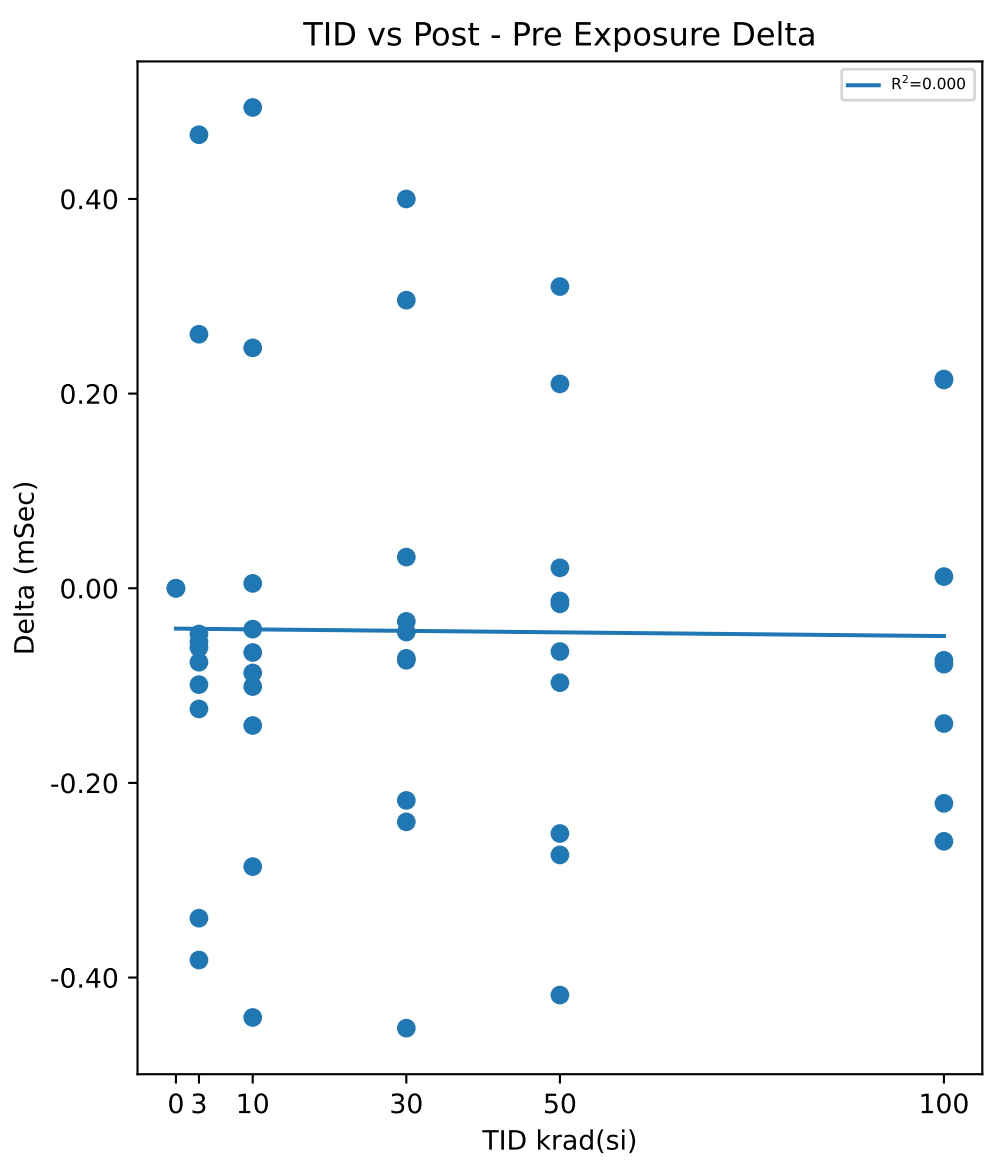
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.333 | 12.333 | 0 |
| 7 | 0 | Correlation | 12.422 | 12.422 | 0 |
| 16 | 3 | LDR-Biased | 12.497 | 12.655 | 0.158 |
| 18 | 3 | LDR-Biased | 12.477 | 12.396 | -0.081 |
| 19 | 3 | LDR-Biased | 12.428 | 12.268 | -0.16 |
| 20 | 3 | LDR-Biased | 12.348 | 12.314 | -0.034 |
| 21 | 3 | LDR-Biased | 12.488 | 12.431 | -0.057 |
| 22 | 3 | LDR-Unbiased | 12.555 | 12.539 | -0.016 |
| 23 | 3 | LDR-Unbiased | 12.629 | 12.253 | -0.376 |
| 25 | 3 | LDR-Unbiased | 12.418 | 12.456 | 0.038 |
| 26 | 3 | LDR-Unbiased | 12.339 | 12.826 | 0.487 |
| 27 | 3 | LDR-Unbiased | 12.742 | 12.333 | -0.409 |
| 46 | 10 | LDR-Biased | 12.497 | 12.647 | 0.15 |
| 48 | 10 | LDR-Biased | 12.477 | 12.383 | -0.094 |
| 49 | 10 | LDR-Biased | 12.428 | 12.31 | -0.118 |
| 50 | 10 | LDR-Biased | 12.348 | 12.28 | -0.068 |
| 51 | 10 | LDR-Biased | 12.488 | 12.442 | -0.046 |
| 52 | 10 | LDR-Unbiased | 12.555 | 12.497 | -0.058 |
| 53 | 10 | LDR-Unbiased | 12.629 | 12.284 | -0.345 |
| 55 | 10 | LDR-Unbiased | 12.418 | 12.437 | 0.019 |
| 56 | 10 | LDR-Unbiased | 12.339 | 12.759 | 0.42 |
| 57 | 10 | LDR-Unbiased | 12.742 | 12.359 | -0.383 |
| 76 | 30 | LDR-Biased | 12.497 | 12.698 | 0.201 |
| 78 | 30 | LDR-Biased | 12.477 | 12.442 | -0.035 |
| 79 | 30 | LDR-Biased | 12.428 | 12.311 | -0.117 |
| 80 | 30 | LDR-Biased | 12.348 | 12.317 | -0.031 |
| 81 | 30 | LDR-Biased | 12.488 | 12.43 | -0.058 |
| 82 | 30 | LDR-Unbiased | 12.555 | 12.49 | -0.065 |
| 83 | 30 | LDR-Unbiased | 12.629 | 12.364 | -0.265 |
| 84 | 30 | LDR-Unbiased | 12.742 | 12.259 | -0.483 |
| 85 | 30 | LDR-Unbiased | 12.418 | 12.526 | 0.108 |
| 86 | 30 | LDR-Unbiased | 12.339 | 12.646 | 0.307 |
| 87 | 100 | LDR-Biased | 12.545 | 12.56 | 0.015 |
| 88 | 100 | LDR-Biased | 12.486 | 12.272 | -0.214 |
| 90 | 100 | LDR-Biased | 12.454 | 12.274 | -0.18 |
| 91 | 100 | LDR-Unbiased | 12.554 | 12.757 | 0.203 |
| 93 | 100 | LDR-Unbiased | 12.488 | 12.197 | -0.291 |
| 94 | 100 | LDR-Unbiased | 12.474 | 12.407 | -0.067 |
| 95 | 100 | LDR-Unbiased | 12.371 | 12.482 | 0.111 |
| 96 | 100 | LDR-Unbiased | 12.727 | 12.352 | -0.375 |
| 106 | 50 | LDR-Biased | 12.497 | 12.719 | 0.222 |
| 108 | 50 | LDR-Biased | 12.477 | 12.459 | -0.018 |
| 109 | 50 | LDR-Biased | 12.428 | 12.294 | -0.134 |
| 110 | 50 | LDR-Biased | 12.348 | 12.347 | -0.001 |
| 111 | 50 | LDR-Biased | 12.488 | 12.437 | -0.051 |
| 112 | 50 | LDR-Unbiased | 12.555 | 12.436 | -0.119 |
| 113 | 50 | LDR-Unbiased | 12.629 | 12.352 | -0.277 |
| 115 | 50 | LDR-Unbiased | 12.418 | 12.435 | 0.017 |
| 116 | 50 | LDR-Unbiased | 12.339 | 12.687 | 0.348 |
| 117 | 50 | LDR-Unbiased | 12.742 | 12.289 | -0.453 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.333 | 12.378 | 12.422 | 0.062933 | 12.333 | 12.378 | 12.422 | 0.062933 | 0 | 0 | 0 | 0 |
| 3 | 12.339 | 12.492 | 12.742 | 0.12437 | 12.253 | 12.447 | 12.826 | 0.18217 | -0.409 | -0.045 | 0.487 | 0.25578 |
| 10 | 12.339 | 12.492 | 12.742 | 0.12437 | 12.28 | 12.44 | 12.759 | 0.15794 | -0.383 | -0.0523 | 0.42 | 0.22864 |
| 30 | 12.339 | 12.492 | 12.742 | 0.12437 | 12.259 | 12.448 | 12.698 | 0.14477 | -0.483 | -0.0438 | 0.307 | 0.22463 |
| 50 | 12.339 | 12.492 | 12.742 | 0.12437 | 12.289 | 12.445 | 12.719 | 0.14887 | -0.453 | -0.0466 | 0.348 | 0.22753 |
| 100 | 12.371 | 12.512 | 12.727 | 0.10352 | 12.197 | 12.413 | 12.757 | 0.18296 | -0.375 | -0.09975 | 0.203 | 0.20076 |

# Device Test: 4.31 treg_Res619K_SENSE4/SENSE4/7/3/0/619K/0/@REG_TIME_500KOHM



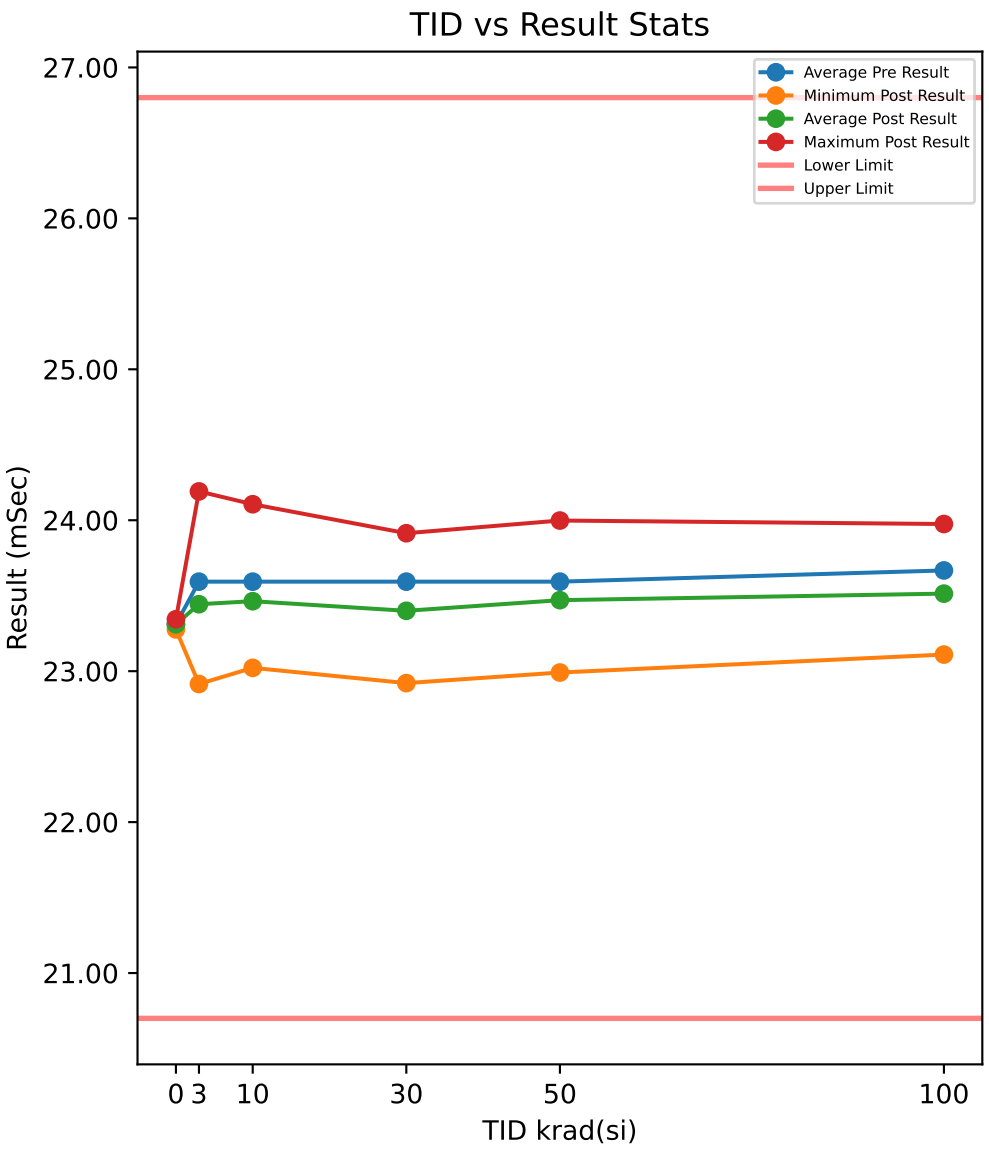

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

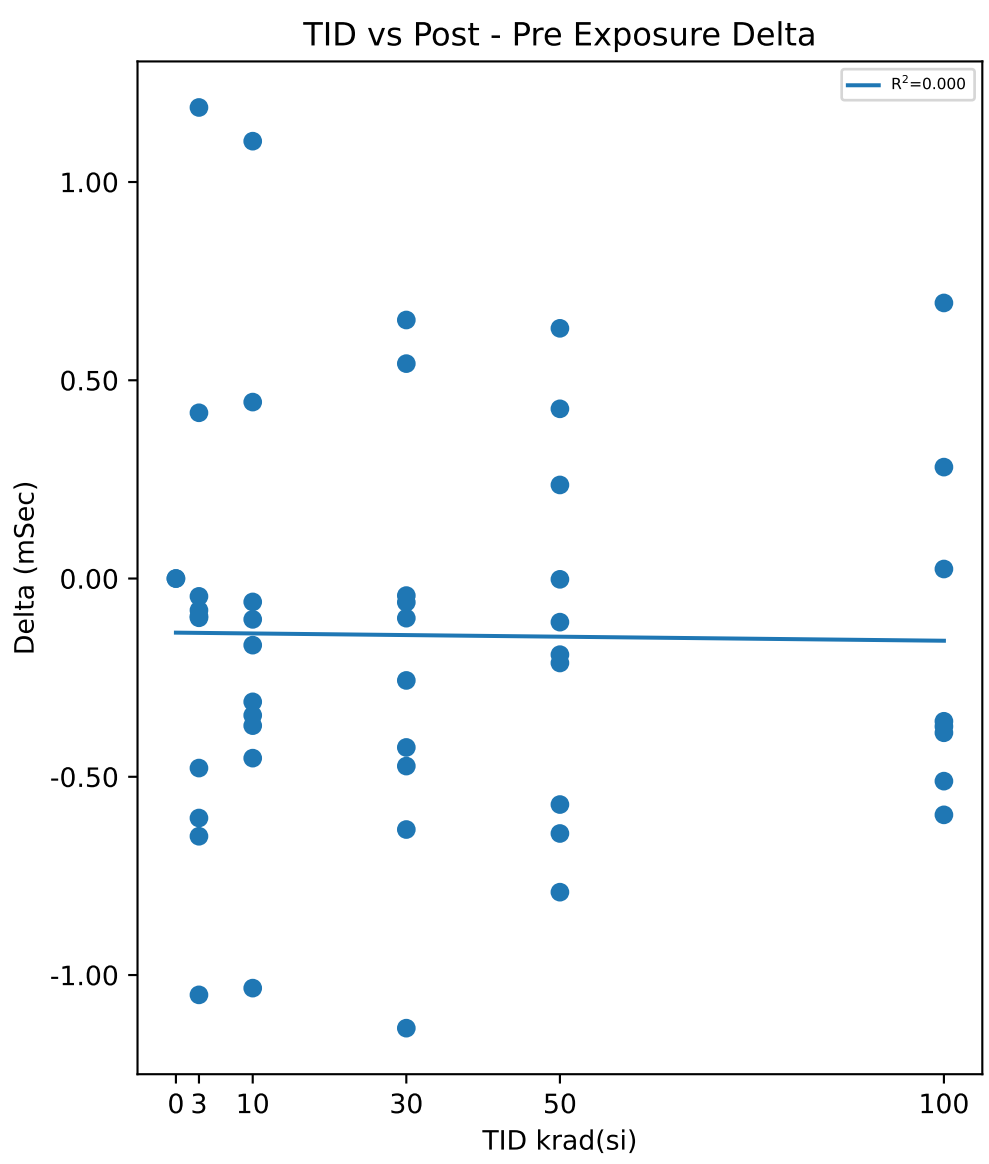
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.353 | 12.353 | 0 |
| 7 | 0 | Correlation | 12.475 | 12.475 | 0 |
| 16 | 3 | LDR-Biased | 12.47 | 12.731 | 0.261 |
| 18 | 3 | LDR-Biased | 12.451 | 12.375 | -0.076 |
| 19 | 3 | LDR-Biased | 12.404 | 12.343 | -0.061 |
| 20 | 3 | LDR-Biased | 12.421 | 12.322 | -0.099 |
| 21 | 3 | LDR-Biased | 12.464 | 12.409 | -0.055 |
| 22 | 3 | LDR-Unbiased | 12.63 | 12.506 | -0.124 |
| 23 | 3 | LDR-Unbiased | 12.571 | 12.232 | -0.339 |
| 25 | 3 | LDR-Unbiased | 12.478 | 12.431 | -0.047 |
| 26 | 3 | LDR-Unbiased | 12.322 | 12.788 | 0.466 |
| 27 | 3 | LDR-Unbiased | 12.716 | 12.334 | -0.382 |
| 46 | 10 | LDR-Biased | 12.47 | 12.717 | 0.247 |
| 48 | 10 | LDR-Biased | 12.451 | 12.456 | 0.005 |
| 49 | 10 | LDR-Biased | 12.404 | 12.317 | -0.087 |
| 50 | 10 | LDR-Biased | 12.421 | 12.32 | -0.101 |
| 51 | 10 | LDR-Biased | 12.464 | 12.398 | -0.066 |
| 52 | 10 | LDR-Unbiased | 12.63 | 12.489 | -0.141 |
| 53 | 10 | LDR-Unbiased | 12.571 | 12.285 | -0.286 |
| 55 | 10 | LDR-Unbiased | 12.478 | 12.436 | -0.042 |
| 56 | 10 | LDR-Unbiased | 12.322 | 12.816 | 0.494 |
| 57 | 10 | LDR-Unbiased | 12.716 | 12.275 | -0.441 |
| 76 | 30 | LDR-Biased | 12.47 | 12.766 | 0.296 |
| 78 | 30 | LDR-Biased | 12.451 | 12.406 | -0.045 |
| 79 | 30 | LDR-Biased | 12.404 | 12.37 | -0.034 |
| 80 | 30 | LDR-Biased | 12.421 | 12.347 | -0.074 |
| 81 | 30 | LDR-Biased | 12.464 | 12.392 | -0.072 |
| 82 | 30 | LDR-Unbiased | 12.63 | 12.412 | -0.218 |
| 83 | 30 | LDR-Unbiased | 12.571 | 12.331 | -0.24 |
| 84 | 30 | LDR-Unbiased | 12.716 | 12.264 | -0.452 |
| 85 | 30 | LDR-Unbiased | 12.478 | 12.51 | 0.032 |
| 86 | 30 | LDR-Unbiased | 12.322 | 12.722 | 0.4 |
| 87 | 100 | LDR-Biased | 12.524 | 12.536 | 0.012 |
| 88 | 100 | LDR-Biased | 12.472 | 12.333 | -0.139 |
| 90 | 100 | LDR-Biased | 12.418 | 12.344 | -0.074 |
| 91 | 100 | LDR-Unbiased | 12.63 | 12.844 | 0.214 |
| 93 | 100 | LDR-Unbiased | 12.463 | 12.242 | -0.221 |
| 94 | 100 | LDR-Unbiased | 12.457 | 12.379 | -0.078 |
| 95 | 100 | LDR-Unbiased | 12.338 | 12.553 | 0.215 |
| 96 | 100 | LDR-Unbiased | 12.69 | 12.43 | -0.26 |
| 106 | 50 | LDR-Biased | 12.47 | 12.68 | 0.21 |
| 108 | 50 | LDR-Biased | 12.451 | 12.438 | -0.013 |
| 109 | 50 | LDR-Biased | 12.404 | 12.339 | -0.065 |
| 110 | 50 | LDR-Biased | 12.421 | 12.324 | -0.097 |
| 111 | 50 | LDR-Biased | 12.464 | 12.448 | -0.016 |
| 112 | 50 | LDR-Unbiased | 12.63 | 12.378 | -0.252 |
| 113 | 50 | LDR-Unbiased | 12.571 | 12.297 | -0.274 |
| 115 | 50 | LDR-Unbiased | 12.478 | 12.499 | 0.021 |
| 116 | 50 | LDR-Unbiased | 12.322 | 12.632 | 0.31 |
| 117 | 50 | LDR-Unbiased | 12.716 | 12.298 | -0.418 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.353 | 12.414 | 12.475 | 0.086267 | 12.353 | 12.414 | 12.475 | 0.086267 | 0 | 0 | 0 | 0 |
| 3 | 12.322 | 12.493 | 12.716 | 0.11561 | 12.232 | 12.447 | 12.788 | 0.18035 | -0.382 | -0.0456 | 0.466 | 0.25061 |
| 10 | 12.322 | 12.493 | 12.716 | 0.11561 | 12.275 | 12.451 | 12.816 | 0.18322 | -0.441 | -0.0418 | 0.494 | 0.25984 |
| 30 | 12.322 | 12.493 | 12.716 | 0.11561 | 12.264 | 12.452 | 12.766 | 0.16664 | -0.452 | -0.0407 | 0.4 | 0.2484 |
| 50 | 12.322 | 12.493 | 12.716 | 0.11561 | 12.297 | 12.433 | 12.68 | 0.13568 | -0.418 | -0.0594 | 0.31 | 0.21927 |
| 100 | 12.338 | 12.499 | 12.69 | 0.11373 | 12.242 | 12.458 | 12.844 | 0.18762 | -0.26 | -0.041375 | 0.215 | 0.1796 |

# Device Test: 4.32 treg_Res1p18M_SENSE1/SENSE1/7/3/0/1.18M/0/@REG_TIME_1MOHM



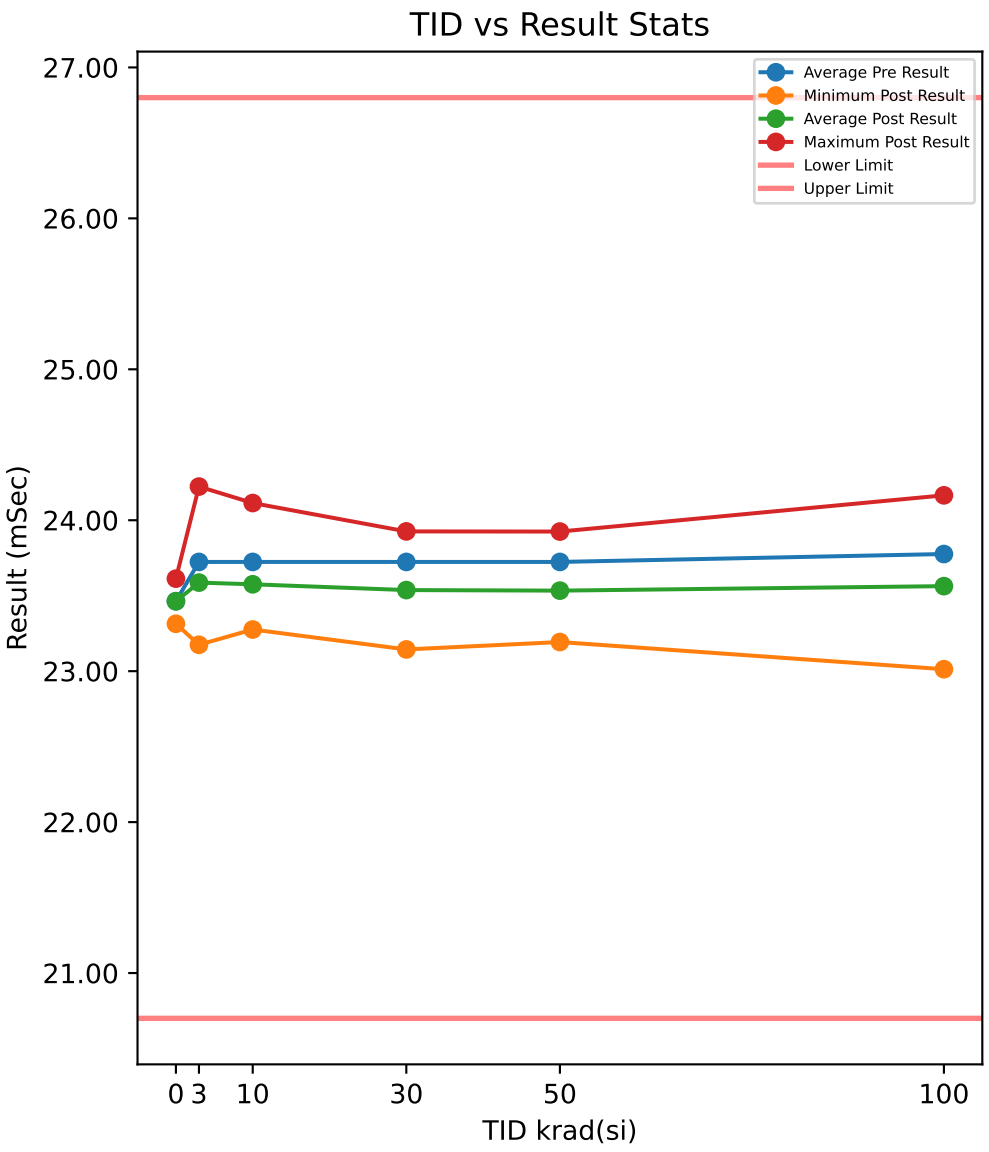

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

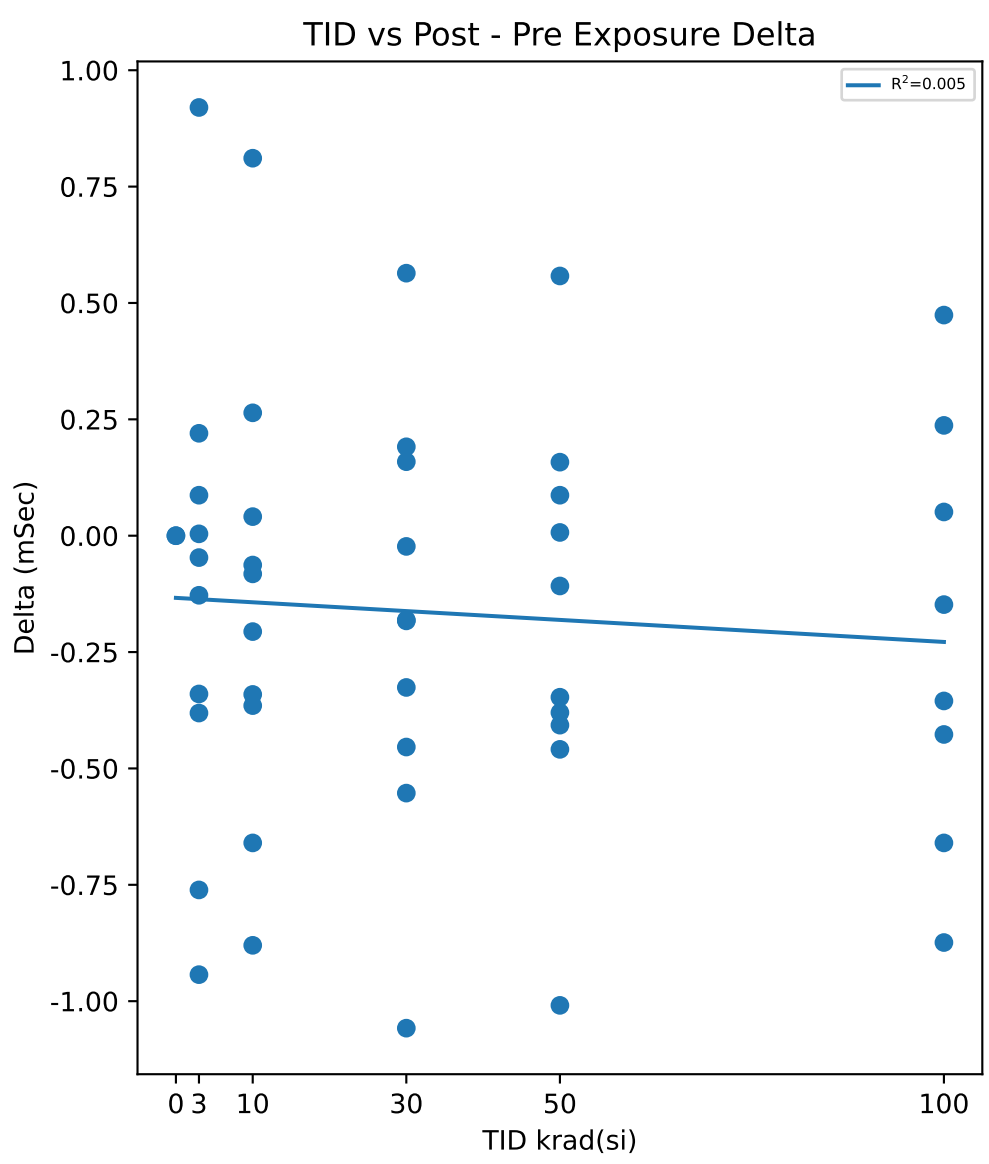
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.277 | 23.277 | 0 |
| 7 | 0 | Correlation | 23.344 | 23.344 | 0 |
| 16 | 3 | LDR-Biased | 23.762 | 23.667 | -0.095 |
| 18 | 3 | LDR-Biased | 23.64 | 23.595 | -0.045 |
| 19 | 3 | LDR-Biased | 23.634 | 23.03 | -0.604 |
| 20 | 3 | LDR-Biased | 23.165 | 23.066 | -0.099 |
| 21 | 3 | LDR-Biased | 23.789 | 23.311 | -0.478 |
| 22 | 3 | LDR-Unbiased | 23.946 | 23.866 | -0.08 |
| 23 | 3 | LDR-Unbiased | 23.565 | 22.915 | -0.65 |
| 25 | 3 | LDR-Unbiased | 23.372 | 23.79 | 0.418 |
| 26 | 3 | LDR-Unbiased | 23.003 | 24.191 | 1.188 |
| 27 | 3 | LDR-Unbiased | 24.055 | 23.005 | -1.05 |
| 46 | 10 | LDR-Biased | 23.762 | 23.594 | -0.168 |
| 48 | 10 | LDR-Biased | 23.64 | 23.269 | -0.371 |
| 49 | 10 | LDR-Biased | 23.634 | 23.289 | -0.345 |
| 50 | 10 | LDR-Biased | 23.165 | 23.106 | -0.059 |
| 51 | 10 | LDR-Biased | 23.789 | 23.336 | -0.453 |
| 52 | 10 | LDR-Unbiased | 23.946 | 23.843 | -0.103 |
| 53 | 10 | LDR-Unbiased | 23.565 | 23.254 | -0.311 |
| 55 | 10 | LDR-Unbiased | 23.372 | 23.817 | 0.445 |
| 56 | 10 | LDR-Unbiased | 23.003 | 24.106 | 1.103 |
| 57 | 10 | LDR-Unbiased | 24.055 | 23.022 | -1.033 |
| 76 | 30 | LDR-Biased | 23.762 | 23.702 | -0.06 |
| 78 | 30 | LDR-Biased | 23.64 | 23.597 | -0.043 |
| 79 | 30 | LDR-Biased | 23.634 | 23.001 | -0.633 |
| 80 | 30 | LDR-Biased | 23.165 | 23.065 | -0.1 |
| 81 | 30 | LDR-Biased | 23.789 | 23.532 | -0.257 |
| 82 | 30 | LDR-Unbiased | 23.946 | 23.473 | -0.473 |
| 83 | 30 | LDR-Unbiased | 23.565 | 23.139 | -0.426 |
| 84 | 30 | LDR-Unbiased | 24.055 | 22.921 | -1.134 |
| 85 | 30 | LDR-Unbiased | 23.372 | 23.914 | 0.542 |
| 86 | 30 | LDR-Unbiased | 23.003 | 23.655 | 0.652 |
| 87 | 100 | LDR-Biased | 23.652 | 23.676 | 0.024 |
| 88 | 100 | LDR-Biased | 23.783 | 23.272 | -0.511 |
| 90 | 100 | LDR-Biased | 23.639 | 23.279 | -0.36 |
| 91 | 100 | LDR-Unbiased | 23.694 | 23.975 | 0.281 |
| 93 | 100 | LDR-Unbiased | 23.499 | 23.11 | -0.389 |
| 94 | 100 | LDR-Unbiased | 23.765 | 23.392 | -0.373 |
| 95 | 100 | LDR-Unbiased | 23.253 | 23.948 | 0.695 |
| 96 | 100 | LDR-Unbiased | 24.054 | 23.458 | -0.596 |
| 106 | 50 | LDR-Biased | 23.762 | 23.998 | 0.236 |
| 108 | 50 | LDR-Biased | 23.64 | 23.448 | -0.192 |
| 109 | 50 | LDR-Biased | 23.634 | 22.991 | -0.643 |
| 110 | 50 | LDR-Biased | 23.165 | 23.163 | -0.002 |
| 111 | 50 | LDR-Biased | 23.789 | 23.576 | -0.213 |
| 112 | 50 | LDR-Unbiased | 23.946 | 23.376 | -0.57 |
| 113 | 50 | LDR-Unbiased | 23.565 | 23.455 | -0.11 |
| 115 | 50 | LDR-Unbiased | 23.372 | 23.8 | 0.428 |
| 116 | 50 | LDR-Unbiased | 23.003 | 23.634 | 0.631 |
| 117 | 50 | LDR-Unbiased | 24.055 | 23.264 | -0.791 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.277 | 23.311 | 23.344 | 0.047376 | 23.277 | 23.311 | 23.344 | 0.047376 | 0 | 0 | 0 | 0 |
| 3 | 23.003 | 23.593 | 24.055 | 0.33163 | 22.915 | 23.444 | 24.191 | 0.43879 | -1.05 | -0.1495 | 1.188 | 0.62433 |
| 10 | 23.003 | 23.593 | 24.055 | 0.33163 | 23.022 | 23.464 | 24.106 | 0.35746 | -1.033 | -0.1295 | 1.103 | 0.56911 |
| 30 | 23.003 | 23.593 | 24.055 | 0.33163 | 22.921 | 23.4 | 23.914 | 0.34172 | -1.134 | -0.1932 | 0.652 | 0.52904 |
| 50 | 23.003 | 23.593 | 24.055 | 0.33163 | 22.991 | 23.471 | 23.998 | 0.29842 | -0.791 | -0.1226 | 0.631 | 0.46489 |
| 100 | 23.253 | 23.667 | 24.054 | 0.2312 | 23.11 | 23.514 | 23.975 | 0.32119 | -0.596 | -0.15363 | 0.695 | 0.44883 |

# Device Test: 4.33 treg_Res1p18M_SENSE2/SENSE2/7/3/0/1.18M/0/@REG_TIME_1MOHM



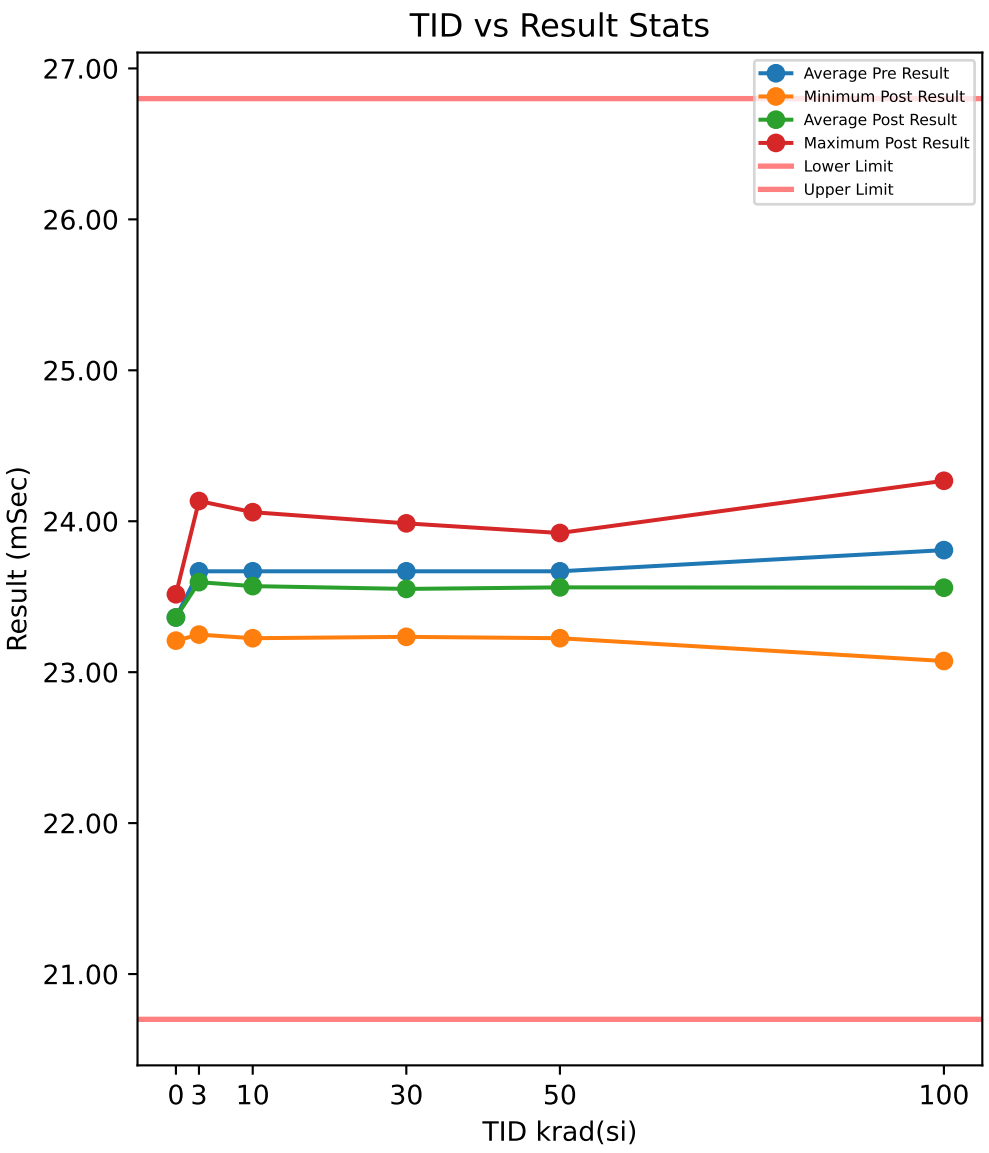

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

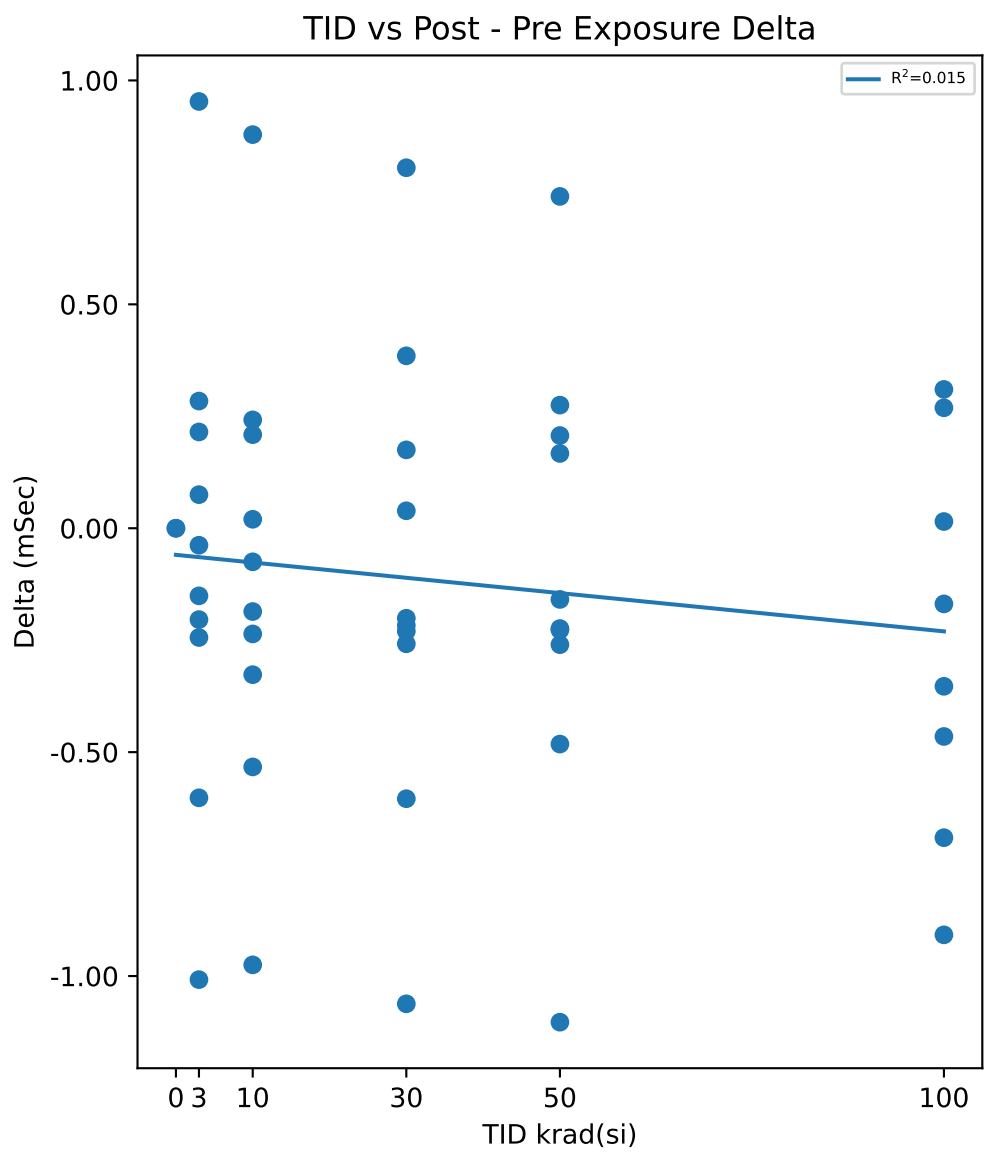
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.314 | 23.314 | 0 |
| 7 | 0 | Correlation | 23.613 | 23.613 | 0 |
| 16 | 3 | LDR-Biased | 23.767 | 23.854 | 0.087 |
| 18 | 3 | LDR-Biased | 23.655 | 23.527 | -0.128 |
| 19 | 3 | LDR-Biased | 23.644 | 23.263 | -0.381 |
| 20 | 3 | LDR-Biased | 23.378 | 23.382 | 0.004 |
| 21 | 3 | LDR-Biased | 23.846 | 23.506 | -0.34 |
| 22 | 3 | LDR-Unbiased | 23.929 | 23.882 | -0.047 |
| 23 | 3 | LDR-Unbiased | 23.936 | 23.175 | -0.761 |
| 25 | 3 | LDR-Unbiased | 23.577 | 23.797 | 0.22 |
| 26 | 3 | LDR-Unbiased | 23.303 | 24.223 | 0.92 |
| 27 | 3 | LDR-Unbiased | 24.202 | 23.259 | -0.943 |
| 46 | 10 | LDR-Biased | 23.767 | 23.808 | 0.041 |
| 48 | 10 | LDR-Biased | 23.655 | 23.449 | -0.206 |
| 49 | 10 | LDR-Biased | 23.644 | 23.303 | -0.341 |
| 50 | 10 | LDR-Biased | 23.378 | 23.315 | -0.063 |
| 51 | 10 | LDR-Biased | 23.846 | 23.481 | -0.365 |
| 52 | 10 | LDR-Unbiased | 23.929 | 23.847 | -0.082 |
| 53 | 10 | LDR-Unbiased | 23.936 | 23.276 | -0.66 |
| 55 | 10 | LDR-Unbiased | 23.577 | 23.841 | 0.264 |
| 56 | 10 | LDR-Unbiased | 23.303 | 24.114 | 0.811 |
| 57 | 10 | LDR-Unbiased | 24.202 | 23.322 | -0.88 |
| 76 | 30 | LDR-Biased | 23.767 | 23.926 | 0.159 |
| 78 | 30 | LDR-Biased | 23.655 | 23.474 | -0.181 |
| 79 | 30 | LDR-Biased | 23.644 | 23.318 | -0.326 |
| 80 | 30 | LDR-Biased | 23.378 | 23.355 | -0.023 |
| 81 | 30 | LDR-Biased | 23.846 | 23.392 | -0.454 |
| 82 | 30 | LDR-Unbiased | 23.929 | 23.746 | -0.183 |
| 83 | 30 | LDR-Unbiased | 23.936 | 23.383 | -0.553 |
| 84 | 30 | LDR-Unbiased | 24.202 | 23.144 | -1.058 |
| 85 | 30 | LDR-Unbiased | 23.577 | 23.768 | 0.191 |
| 86 | 30 | LDR-Unbiased | 23.303 | 23.867 | 0.564 |
| 87 | 100 | LDR-Biased | 23.816 | 23.867 | 0.051 |
| 88 | 100 | LDR-Biased | 23.742 | 23.315 | -0.427 |
| 90 | 100 | LDR-Biased | 23.659 | 23.304 | -0.355 |
| 91 | 100 | LDR-Unbiased | 23.928 | 24.165 | 0.237 |
| 93 | 100 | LDR-Unbiased | 23.673 | 23.013 | -0.66 |
| 94 | 100 | LDR-Unbiased | 23.715 | 23.567 | -0.148 |
| 95 | 100 | LDR-Unbiased | 23.462 | 23.936 | 0.474 |
| 96 | 100 | LDR-Unbiased | 24.214 | 23.34 | -0.874 |
| 106 | 50 | LDR-Biased | 23.767 | 23.925 | 0.158 |
| 108 | 50 | LDR-Biased | 23.655 | 23.662 | 0.007 |
| 109 | 50 | LDR-Biased | 23.644 | 23.297 | -0.347 |
| 110 | 50 | LDR-Biased | 23.378 | 23.27 | -0.108 |
| 111 | 50 | LDR-Biased | 23.846 | 23.439 | -0.407 |
| 112 | 50 | LDR-Unbiased | 23.929 | 23.549 | -0.38 |
| 113 | 50 | LDR-Unbiased | 23.936 | 23.477 | -0.459 |
| 115 | 50 | LDR-Unbiased | 23.577 | 23.664 | 0.087 |
| 116 | 50 | LDR-Unbiased | 23.303 | 23.861 | 0.558 |
| 117 | 50 | LDR-Unbiased | 24.202 | 23.193 | -1.009 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.314 | 23.463 | 23.613 | 0.21142 | 23.314 | 23.463 | 23.613 | 0.21142 | 0 | 0 | 0 | 0 |
| 3 | 23.303 | 23.724 | 24.202 | 0.27119 | 23.175 | 23.587 | 24.223 | 0.34016 | -0.943 | -0.1369 | 0.92 | 0.5231 |
| 10 | 23.303 | 23.724 | 24.202 | 0.27119 | 23.276 | 23.576 | 24.114 | 0.29986 | -0.88 | -0.1481 | 0.811 | 0.47404 |
| 30 | 23.303 | 23.724 | 24.202 | 0.27119 | 23.144 | 23.537 | 23.926 | 0.26698 | -1.058 | -0.1864 | 0.564 | 0.45176 |
| 50 | 23.303 | 23.724 | 24.202 | 0.27119 | 23.193 | 23.534 | 23.925 | 0.2467 | -1.009 | -0.19 | 0.558 | 0.42867 |
| 100 | 23.462 | 23.776 | 24.214 | 0.22178 | 23.013 | 23.563 | 24.165 | 0.39184 | -0.874 | -0.21275 | 0.474 | 0.4553 |

# Device Test: 4.34 treg_Res1p18M_SENSE3/SENSE3/7/3/0/1.18M/0/@REG_TIME_1MOHM



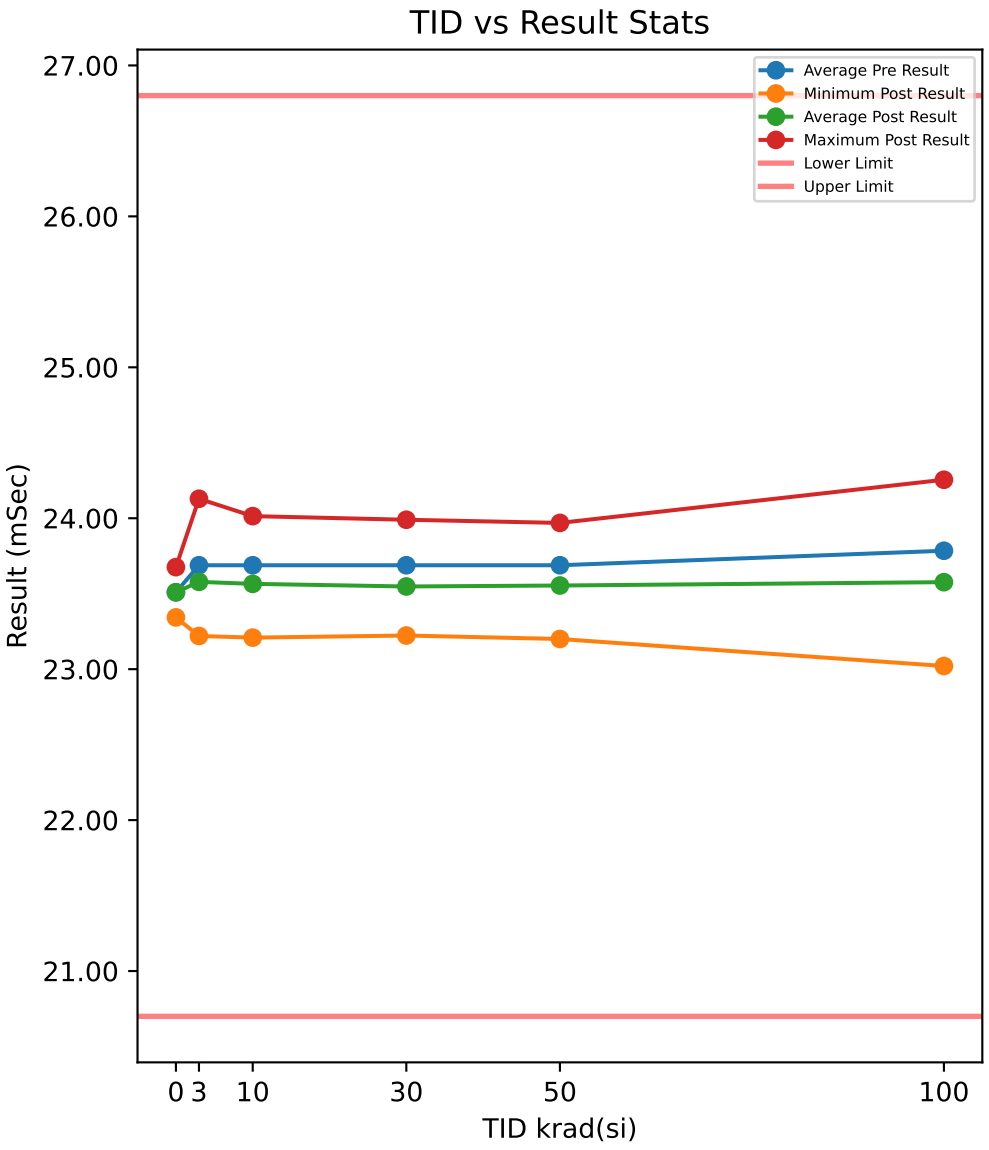

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.209 | 23.209 | 0 |
| 7 | 0 | Correlation | 23.516 | 23.516 | 0 |
| 16 | 3 | LDR-Biased | 23.672 | 23.956 | 0.284 |
| 18 | 3 | LDR-Biased | 23.533 | 23.608 | 0.075 |
| 19 | 3 | LDR-Biased | 23.552 | 23.308 | -0.244 |
| 20 | 3 | LDR-Biased | 23.464 | 23.26 | -0.204 |
| 21 | 3 | LDR-Biased | 23.774 | 23.623 | -0.151 |
| 22 | 3 | LDR-Unbiased | 23.846 | 23.808 | -0.038 |
| 23 | 3 | LDR-Unbiased | 23.851 | 23.249 | -0.602 |
| 25 | 3 | LDR-Unbiased | 23.483 | 23.698 | 0.215 |
| 26 | 3 | LDR-Unbiased | 23.181 | 24.134 | 0.953 |
| 27 | 3 | LDR-Unbiased | 24.328 | 23.32 | -1.008 |
| 46 | 10 | LDR-Biased | 23.672 | 23.881 | 0.209 |
| 48 | 10 | LDR-Biased | 23.533 | 23.553 | 0.02 |
| 49 | 10 | LDR-Biased | 23.552 | 23.225 | -0.327 |
| 50 | 10 | LDR-Biased | 23.464 | 23.228 | -0.236 |
| 51 | 10 | LDR-Biased | 23.774 | 23.588 | -0.186 |
| 52 | 10 | LDR-Unbiased | 23.846 | 23.771 | -0.075 |
| 53 | 10 | LDR-Unbiased | 23.851 | 23.318 | -0.533 |
| 55 | 10 | LDR-Unbiased | 23.483 | 23.725 | 0.242 |
| 56 | 10 | LDR-Unbiased | 23.181 | 24.06 | 0.879 |
| 57 | 10 | LDR-Unbiased | 24.328 | 23.353 | -0.975 |
| 76 | 30 | LDR-Biased | 23.672 | 23.847 | 0.175 |
| 78 | 30 | LDR-Biased | 23.533 | 23.572 | 0.039 |
| 79 | 30 | LDR-Biased | 23.552 | 23.351 | -0.201 |
| 80 | 30 | LDR-Biased | 23.464 | 23.234 | -0.23 |
| 81 | 30 | LDR-Biased | 23.774 | 23.516 | -0.258 |
| 82 | 30 | LDR-Unbiased | 23.846 | 23.629 | -0.217 |
| 83 | 30 | LDR-Unbiased | 23.851 | 23.247 | -0.604 |
| 84 | 30 | LDR-Unbiased | 24.328 | 23.266 | -1.062 |
| 85 | 30 | LDR-Unbiased | 23.483 | 23.868 | 0.385 |
| 86 | 30 | LDR-Unbiased | 23.181 | 23.986 | 0.805 |
| 87 | 100 | LDR-Biased | 23.939 | 23.954 | 0.015 |
| 88 | 100 | LDR-Biased | 23.67 | 23.205 | -0.465 |
| 90 | 100 | LDR-Biased | 23.561 | 23.208 | -0.353 |
| 91 | 100 | LDR-Unbiased | 23.999 | 24.268 | 0.269 |
| 93 | 100 | LDR-Unbiased | 23.765 | 23.074 | -0.691 |
| 94 | 100 | LDR-Unbiased | 23.659 | 23.49 | -0.169 |
| 95 | 100 | LDR-Unbiased | 23.548 | 23.858 | 0.31 |
| 96 | 100 | LDR-Unbiased | 24.328 | 23.42 | -0.908 |
| 106 | 50 | LDR-Biased | 23.672 | 23.839 | 0.167 |
| 108 | 50 | LDR-Biased | 23.533 | 23.74 | 0.207 |
| 109 | 50 | LDR-Biased | 23.552 | 23.292 | -0.26 |
| 110 | 50 | LDR-Biased | 23.464 | 23.305 | -0.159 |
| 111 | 50 | LDR-Biased | 23.774 | 23.547 | -0.227 |
| 112 | 50 | LDR-Unbiased | 23.846 | 23.622 | -0.224 |
| 113 | 50 | LDR-Unbiased | 23.851 | 23.369 | -0.482 |
| 115 | 50 | LDR-Unbiased | 23.483 | 23.758 | 0.275 |
| 116 | 50 | LDR-Unbiased | 23.181 | 23.922 | 0.741 |
| 117 | 50 | LDR-Unbiased | 24.328 | 23.225 | -1.103 |

Test Statistics (mSec)

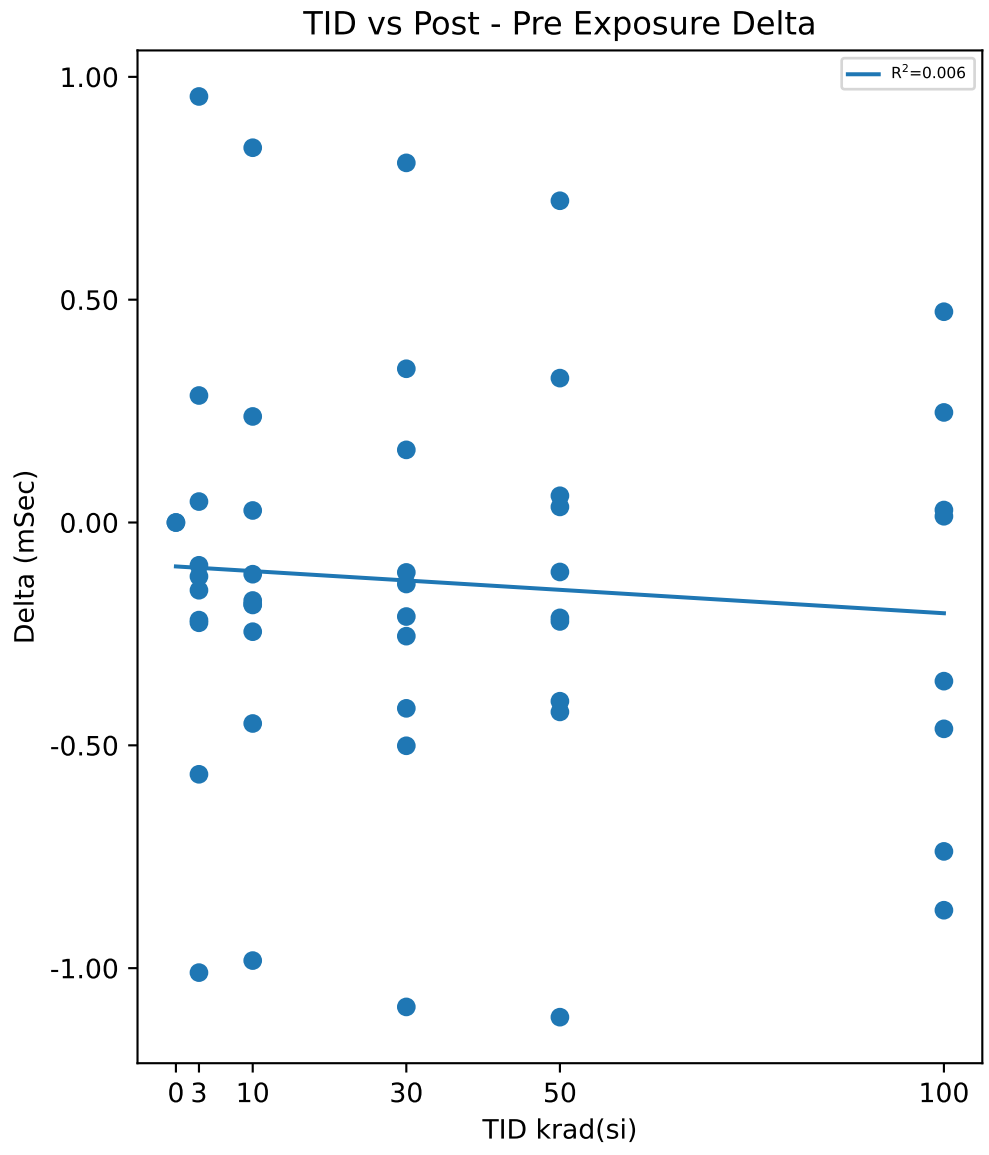
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.209 | 23.362 | 23.516 | 0.21708 | 23.209 | 23.362 | 23.516 | 0.21708 | 0 | 0 | 0 | 0 |
| 3 | 23.181 | 23.668 | 24.328 | 0.30853 | 23.249 | 23.596 | 24.134 | 0.3105 | -1.008 | -0.072 | 0.953 | 0.52628 |
| 10 | 23.181 | 23.668 | 24.328 | 0.30853 | 23.225 | 23.57 | 24.06 | 0.28838 | -0.975 | -0.0982 | 0.879 | 0.49625 |
| 30 | 23.181 | 23.668 | 24.328 | 0.30853 | 23.234 | 23.552 | 23.986 | 0.27873 | -1.062 | -0.1168 | 0.805 | 0.51549 |
| 50 | 23.181 | 23.668 | 24.328 | 0.30853 | 23.225 | 23.562 | 23.922 | 0.25167 | -1.103 | -0.1065 | 0.741 | 0.49727 |
| 100 | 23.548 | 23.809 | 24.328 | 0.26612 | 23.074 | 23.56 | 24.268 | 0.42358 | -0.908 | -0.249 | 0.31 | 0.43818 |

# Device Test: 4.35 treg_Res1p18M_SENSE4/SENSE4/7/3/0/1.18M/0/@REG_TIME_1MOHM




Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

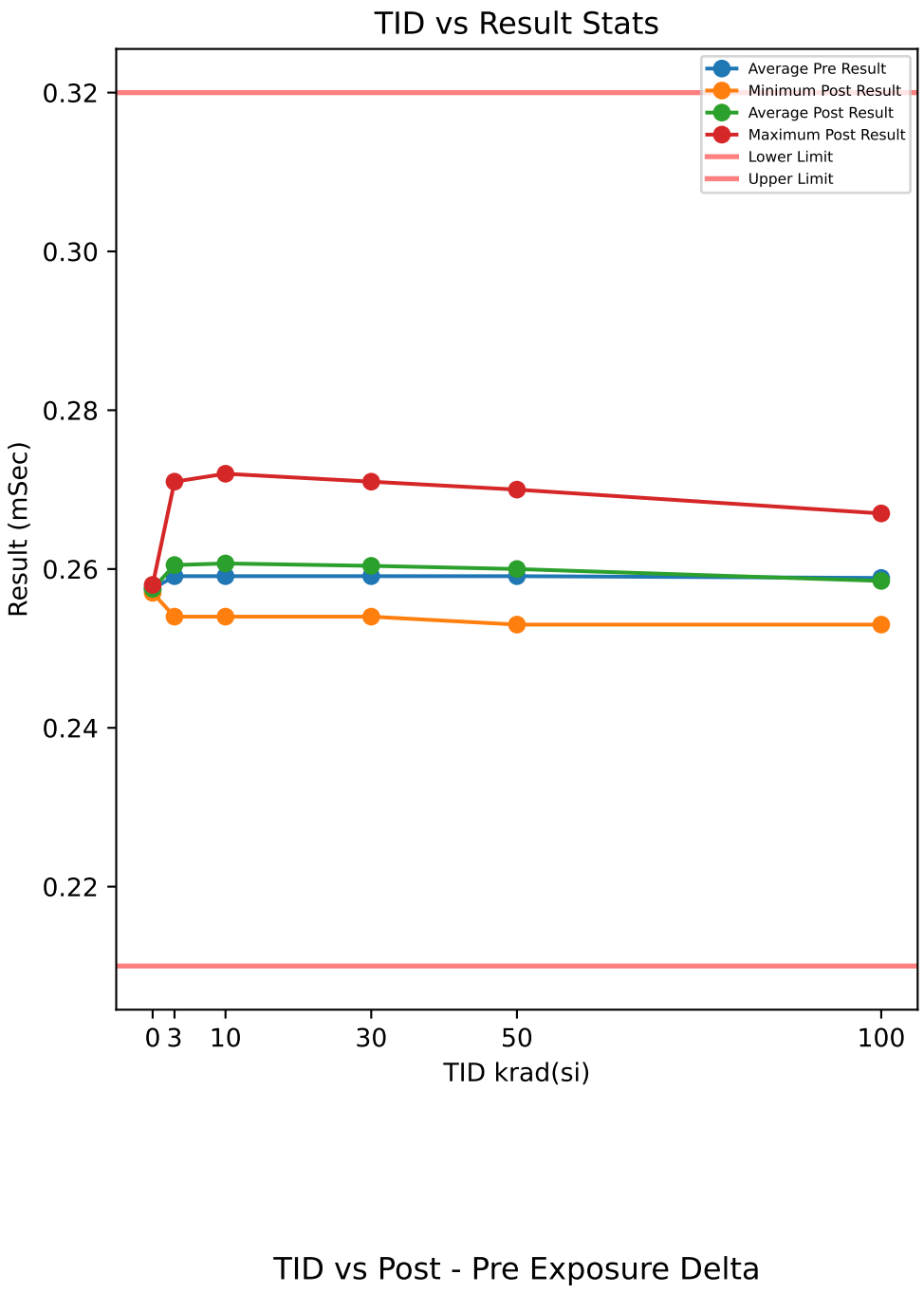
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.343 | 23.343 | 0 |
| 7 | 0 | Correlation | 23.676 | 23.676 | 0 |
| 16 | 3 | LDR-Biased | 23.645 | 23.93 | 0.285 |
| 18 | 3 | LDR-Biased | 23.66 | 23.564 | -0.096 |
| 19 | 3 | LDR-Biased | 23.527 | 23.308 | -0.219 |
| 20 | 3 | LDR-Biased | 23.384 | 23.263 | -0.121 |
| 21 | 3 | LDR-Biased | 23.745 | 23.593 | -0.152 |
| 22 | 3 | LDR-Unbiased | 24.013 | 23.788 | -0.225 |
| 23 | 3 | LDR-Unbiased | 23.785 | 23.22 | -0.565 |
| 25 | 3 | LDR-Unbiased | 23.643 | 23.69 | 0.047 |
| 26 | 3 | LDR-Unbiased | 23.173 | 24.129 | 0.956 |
| 27 | 3 | LDR-Unbiased | 24.31 | 23.3 | -1.01 |
| 46 | 10 | LDR-Biased | 23.645 | 23.883 | 0.238 |
| 48 | 10 | LDR-Biased | 23.66 | 23.544 | -0.116 |
| 49 | 10 | LDR-Biased | 23.527 | 23.342 | -0.185 |
| 50 | 10 | LDR-Biased | 23.384 | 23.209 | -0.175 |
| 51 | 10 | LDR-Biased | 23.745 | 23.562 | -0.183 |
| 52 | 10 | LDR-Unbiased | 24.013 | 23.768 | -0.245 |
| 53 | 10 | LDR-Unbiased | 23.785 | 23.334 | -0.451 |
| 55 | 10 | LDR-Unbiased | 23.643 | 23.67 | 0.027 |
| 56 | 10 | LDR-Unbiased | 23.173 | 24.014 | 0.841 |
| 57 | 10 | LDR-Unbiased | 24.31 | 23.327 | -0.983 |
| 76 | 30 | LDR-Biased | 23.645 | 23.99 | 0.345 |
| 78 | 30 | LDR-Biased | 23.66 | 23.548 | -0.112 |
| 79 | 30 | LDR-Biased | 23.527 | 23.316 | -0.211 |
| 80 | 30 | LDR-Biased | 23.384 | 23.246 | -0.138 |
| 81 | 30 | LDR-Biased | 23.745 | 23.49 | -0.255 |
| 82 | 30 | LDR-Unbiased | 24.013 | 23.596 | -0.417 |
| 83 | 30 | LDR-Unbiased | 23.785 | 23.284 | -0.501 |
| 84 | 30 | LDR-Unbiased | 24.31 | 23.223 | -1.087 |
| 85 | 30 | LDR-Unbiased | 23.643 | 23.806 | 0.163 |
| 86 | 30 | LDR-Unbiased | 23.173 | 23.98 | 0.807 |
| 87 | 100 | LDR-Biased | 23.915 | 23.943 | 0.028 |
| 88 | 100 | LDR-Biased | 23.64 | 23.177 | -0.463 |
| 90 | 100 | LDR-Biased | 23.539 | 23.183 | -0.356 |
| 91 | 100 | LDR-Unbiased | 24.008 | 24.255 | 0.247 |
| 93 | 100 | LDR-Unbiased | 23.759 | 23.021 | -0.738 |
| 94 | 100 | LDR-Unbiased | 23.646 | 23.66 | 0.014 |
| 95 | 100 | LDR-Unbiased | 23.506 | 23.979 | 0.473 |
| 96 | 100 | LDR-Unbiased | 24.264 | 23.394 | -0.87 |
| 106 | 50 | LDR-Biased | 23.645 | 23.969 | 0.324 |
| 108 | 50 | LDR-Biased | 23.66 | 23.695 | 0.035 |
| 109 | 50 | LDR-Biased | 23.527 | 23.313 | -0.214 |
| 110 | 50 | LDR-Biased | 23.384 | 23.273 | -0.111 |
| 111 | 50 | LDR-Biased | 23.745 | 23.523 | -0.222 |
| 112 | 50 | LDR-Unbiased | 24.013 | 23.588 | -0.425 |
| 113 | 50 | LDR-Unbiased | 23.785 | 23.384 | -0.401 |
| 115 | 50 | LDR-Unbiased | 23.643 | 23.703 | 0.06 |
| 116 | 50 | LDR-Unbiased | 23.173 | 23.895 | 0.722 |
| 117 | 50 | LDR-Unbiased | 24.31 | 23.2 | -1.11 |

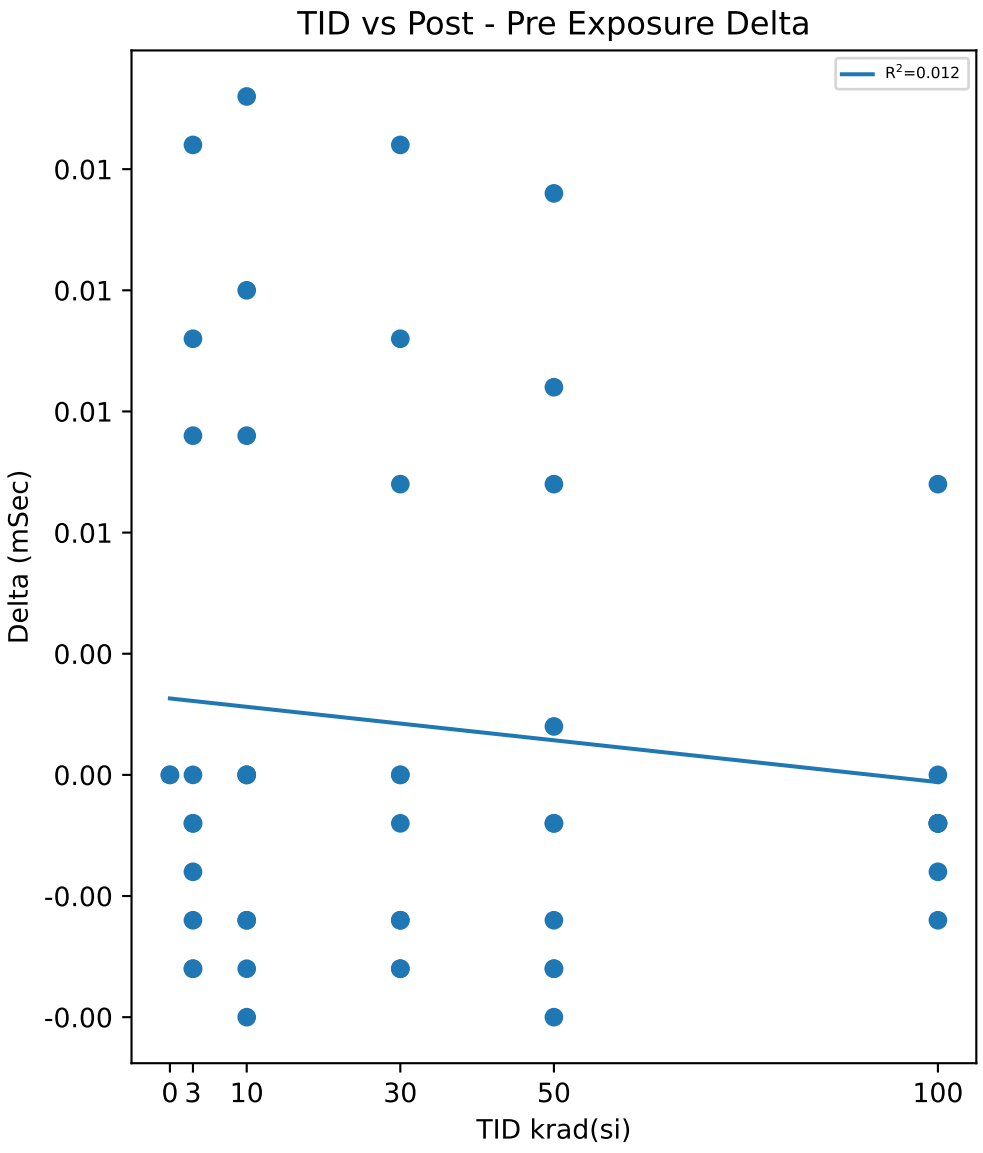



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.343 | 23.509 | 23.676 | 0.23547 | 23.343 | 23.509 | 23.676 | 0.23547 | 0 | 0 | 0 | 0 |
| 3 | 23.173 | 23.688 | 24.31 | 0.31506 | 23.22 | 23.578 | 24.129 | 0.30951 | -1.01 | -0.11 | 0.956 | 0.51221 |
| 10 | 23.173 | 23.688 | 24.31 | 0.31506 | 23.209 | 23.565 | 24.014 | 0.26706 | -0.983 | -0.1232 | 0.841 | 0.466 |
| 30 | 23.173 | 23.688 | 24.31 | 0.31506 | 23.223 | 23.548 | 23.99 | 0.29337 | -1.087 | -0.1406 | 0.807 | 0.51064 |
| 50 | 23.173 | 23.688 | 24.31 | 0.31506 | 23.2 | 23.554 | 23.969 | 0.2633 | -1.11 | -0.1342 | 0.722 | 0.4867 |
| 100 | 23.506 | 23.785 | 24.264 | 0.26062 | 23.021 | 23.576 | 24.255 | 0.4504 | -0.87 | -0.20813 | 0.473 | 0.47537 |

# Device Test: 4.36 treg_Res10p5K_SENSE1/SENSE1/7/14/0/10.5K/0/@REG_TIME_10KOHM



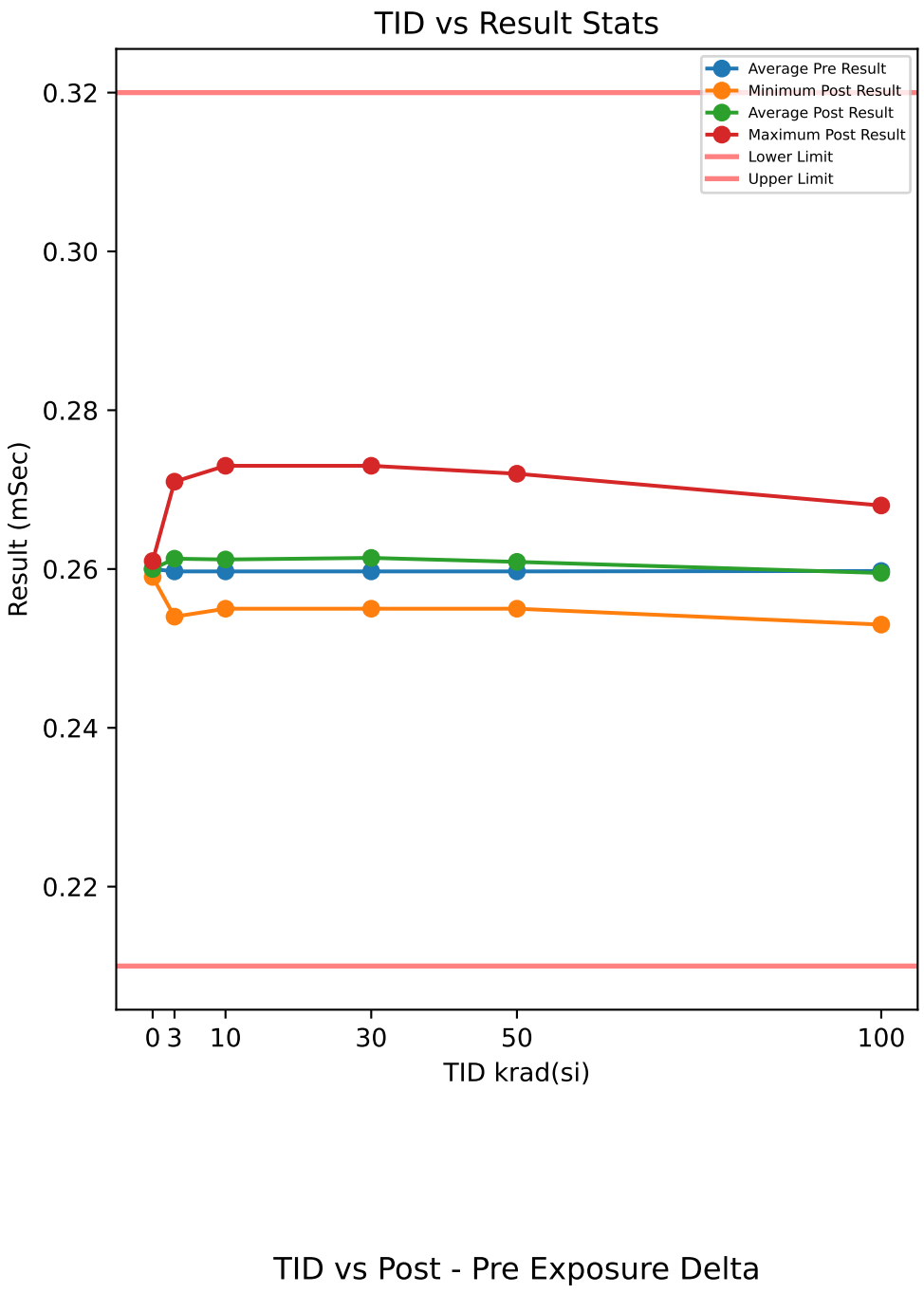

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

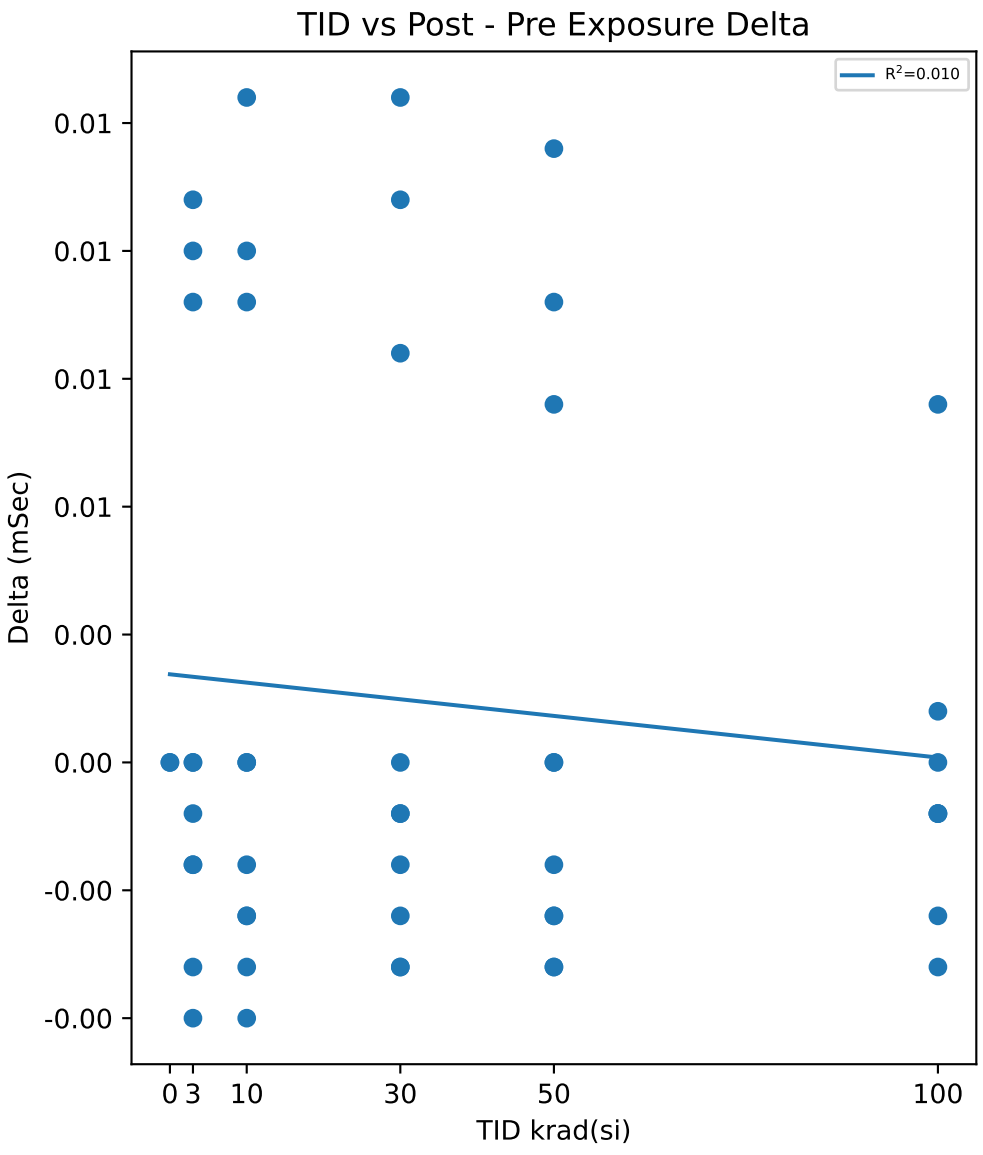
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.257 | 0.257 | 0 |
| 7 | 0 | Correlation | 0.258 | 0.258 | 0 |
| 16 | 3 | LDR-Biased | 0.258 | 0.271 | 0.013 |
| 18 | 3 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 19 | 3 | LDR-Biased | 0.254 | 0.261 | 0.007 |
| 20 | 3 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 21 | 3 | LDR-Biased | 0.26 | 0.26 | 0 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 23 | 3 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.259 | 0.268 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 46 | 10 | LDR-Biased | 0.258 | 0.272 | 0.014 |
| 48 | 10 | LDR-Biased | 0.259 | 0.259 | 0 |
| 49 | 10 | LDR-Biased | 0.254 | 0.261 | 0.007 |
| 50 | 10 | LDR-Biased | 0.259 | 0.259 | 0 |
| 51 | 10 | LDR-Biased | 0.26 | 0.26 | 0 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.256 | -0.005 |
| 53 | 10 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 76 | 30 | LDR-Biased | 0.258 | 0.271 | 0.013 |
| 78 | 30 | LDR-Biased | 0.259 | 0.259 | 0 |
| 79 | 30 | LDR-Biased | 0.254 | 0.26 | 0.006 |
| 80 | 30 | LDR-Biased | 0.259 | 0.259 | 0 |
| 81 | 30 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 83 | 30 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 85 | 30 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.259 | 0.268 | 0.009 |
| 87 | 100 | LDR-Biased | 0.258 | 0.257 | -0.001 |
| 88 | 100 | LDR-Biased | 0.258 | 0.257 | -0.001 |
| 90 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.261 | 0.267 | 0.006 |
| 93 | 100 | LDR-Unbiased | 0.259 | 0.257 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.258 | 0.257 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.256 | 0.253 | -0.003 |
| 96 | 100 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 106 | 50 | LDR-Biased | 0.258 | 0.27 | 0.012 |
| 108 | 50 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 109 | 50 | LDR-Biased | 0.254 | 0.26 | 0.006 |
| 110 | 50 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 111 | 50 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.258 | 0.253 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.259 | 0.267 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.257 | 0.2575 | 0.258 | 0.00070711 | 0.257 | 0.2575 | 0.258 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.254 | 0.2591 | 0.262 | 0.0022336 | 0.254 | 0.2605 | 0.271 | 0.0051694 | -0.004 | 0.0014 | 0.013 | 0.0060222 |
| 10 | 0.254 | 0.2591 | 0.262 | 0.0022336 | 0.254 | 0.2607 | 0.272 | 0.0055787 | -0.005 | 0.0016 | 0.014 | 0.0064842 |
| 30 | 0.254 | 0.2591 | 0.262 | 0.0022336 | 0.254 | 0.2604 | 0.271 | 0.0051034 | -0.004 | 0.0013 | 0.013 | 0.0059638 |
| 50 | 0.254 | 0.2591 | 0.262 | 0.0022336 | 0.253 | 0.26 | 0.27 | 0.0049666 | -0.005 | 0.0009 | 0.012 | 0.0058205 |
| 100 | 0.256 | 0.25888 | 0.261 | 0.0017269 | 0.253 | 0.2585 | 0.267 | 0.0041057 | -0.003 | -0.000375 | 0.006 | 0.0027223 |

# Device Test: 4.37 treg_Res10p5K_SENSE2/SENSE2/7/14/0/10.5K/0/@REG_TIME_10KOHM



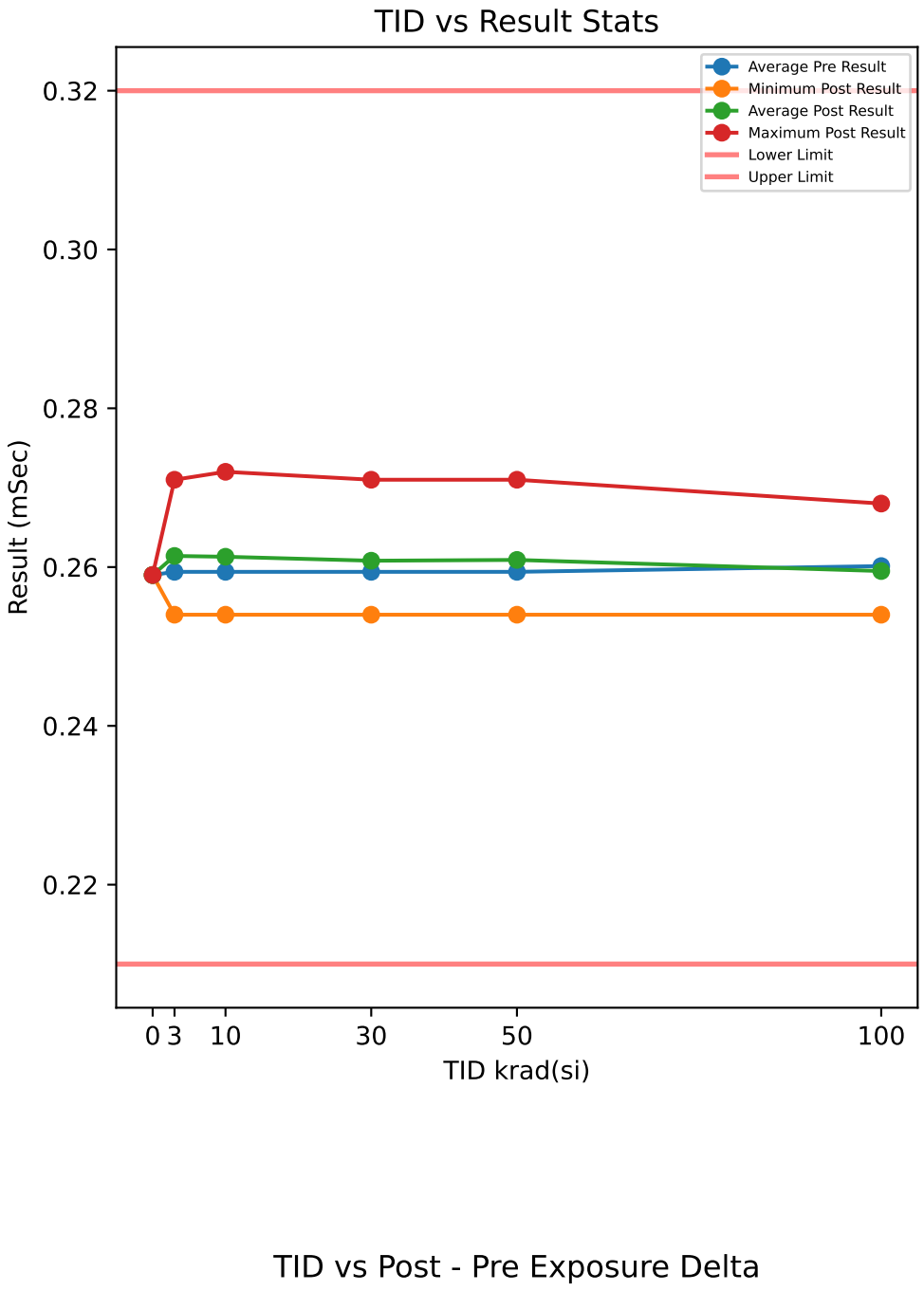

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

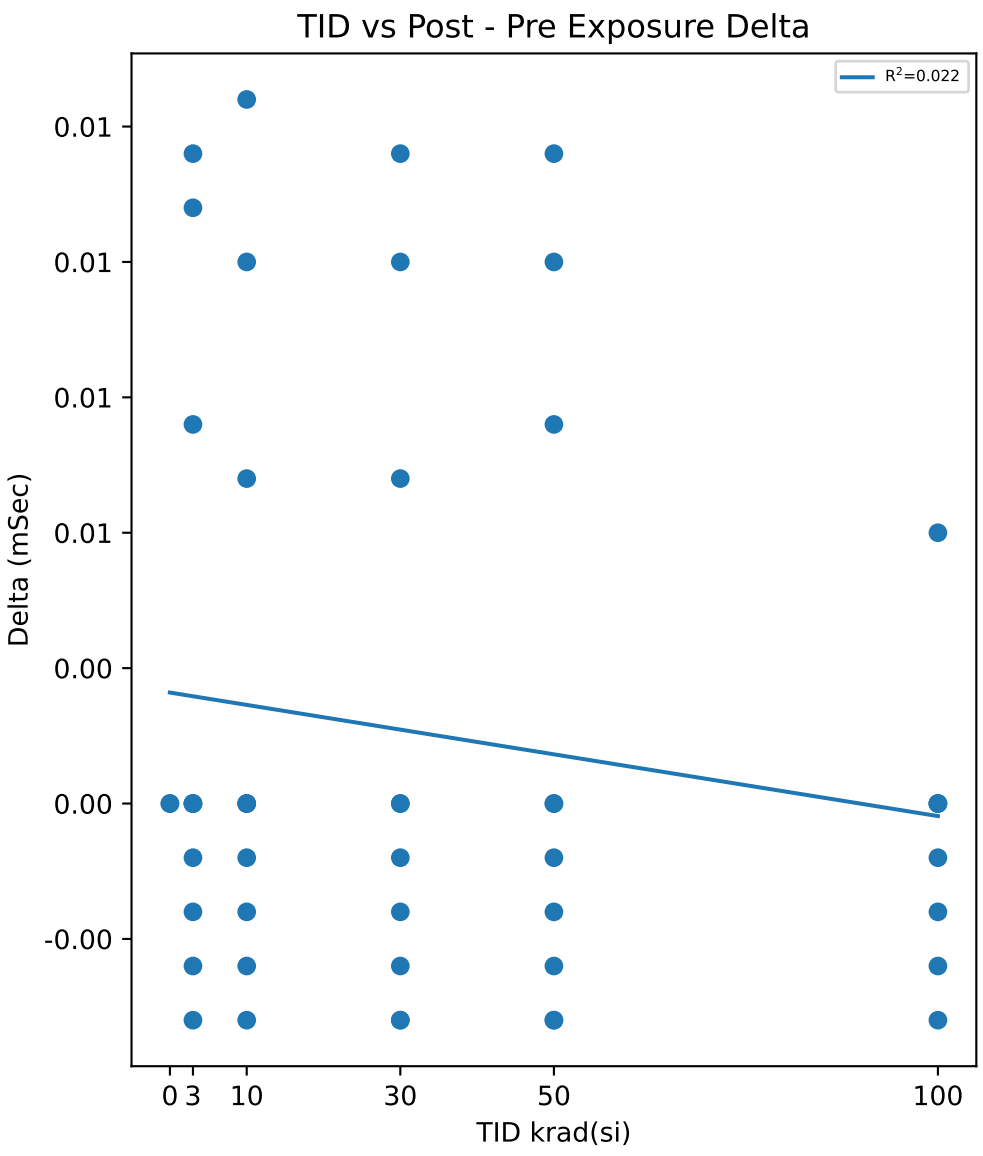
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.26 | 0.271 | 0.011 |
| 18 | 3 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 19 | 3 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 20 | 3 | LDR-Biased | 0.259 | 0.259 | 0 |
| 21 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 23 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.259 | 0.254 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 46 | 10 | LDR-Biased | 0.26 | 0.273 | 0.013 |
| 48 | 10 | LDR-Biased | 0.261 | 0.258 | -0.003 |
| 49 | 10 | LDR-Biased | 0.253 | 0.262 | 0.009 |
| 50 | 10 | LDR-Biased | 0.259 | 0.259 | 0 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.257 | -0.005 |
| 53 | 10 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.259 | 0.255 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 76 | 30 | LDR-Biased | 0.26 | 0.273 | 0.013 |
| 78 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 79 | 30 | LDR-Biased | 0.253 | 0.261 | 0.008 |
| 80 | 30 | LDR-Biased | 0.259 | 0.259 | 0 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.259 | 0.255 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.259 | 0.27 | 0.011 |
| 87 | 100 | LDR-Biased | 0.259 | 0.258 | -0.001 |
| 88 | 100 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 90 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.261 | 0.268 | 0.007 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 94 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.257 | 0.253 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 106 | 50 | LDR-Biased | 0.26 | 0.272 | 0.012 |
| 108 | 50 | LDR-Biased | 0.261 | 0.258 | -0.003 |
| 109 | 50 | LDR-Biased | 0.253 | 0.26 | 0.007 |
| 110 | 50 | LDR-Biased | 0.259 | 0.259 | 0 |
| 111 | 50 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.259 | 0.255 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.259 | 0.268 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.261 | 0.261 | 0 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.259 | 0.26 | 0.261 | 0.0014142 | 0.259 | 0.26 | 0.261 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.253 | 0.2597 | 0.262 | 0.0026268 | 0.254 | 0.2613 | 0.271 | 0.0050783 | -0.005 | 0.0016 | 0.011 | 0.0060222 |
| 10 | 0.253 | 0.2597 | 0.262 | 0.0026268 | 0.255 | 0.2612 | 0.273 | 0.0055936 | -0.005 | 0.0015 | 0.013 | 0.006587 |
| 30 | 0.253 | 0.2597 | 0.262 | 0.0026268 | 0.255 | 0.2614 | 0.273 | 0.0056016 | -0.004 | 0.0017 | 0.013 | 0.00643 |
| 50 | 0.253 | 0.2597 | 0.262 | 0.0026268 | 0.255 | 0.2609 | 0.272 | 0.0051305 | -0.004 | 0.0012 | 0.012 | 0.0059029 |
| 100 | 0.257 | 0.25975 | 0.261 | 0.0013887 | 0.253 | 0.2595 | 0.268 | 0.0041748 | -0.004 | -0.00025 | 0.007 | 0.0033274 |

# Device Test: 4.38 treg_Res10p5K_SENSE3/SENSE3/7/14/0/10.5K/0/@REG_TIME_10KOHM



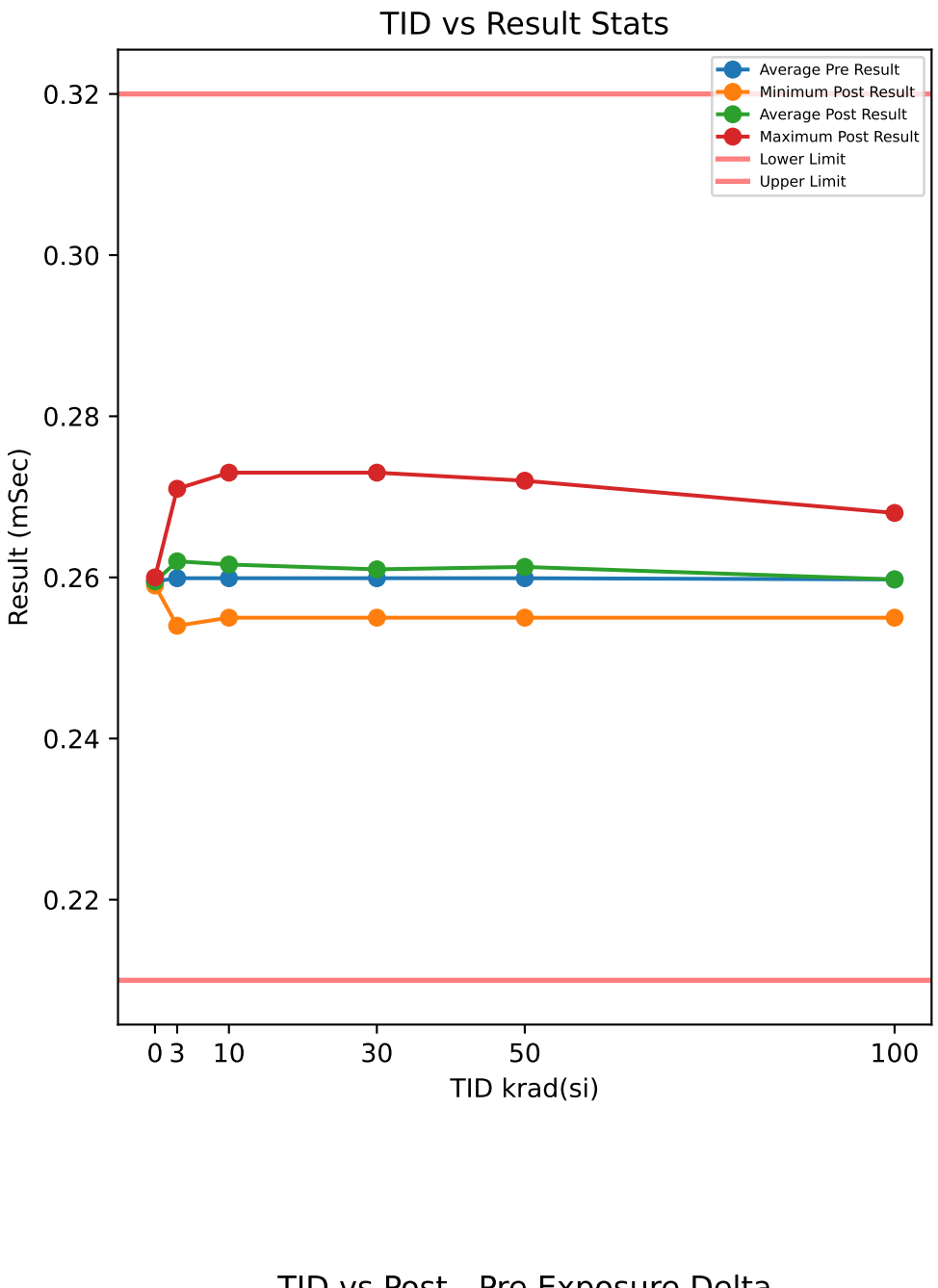

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

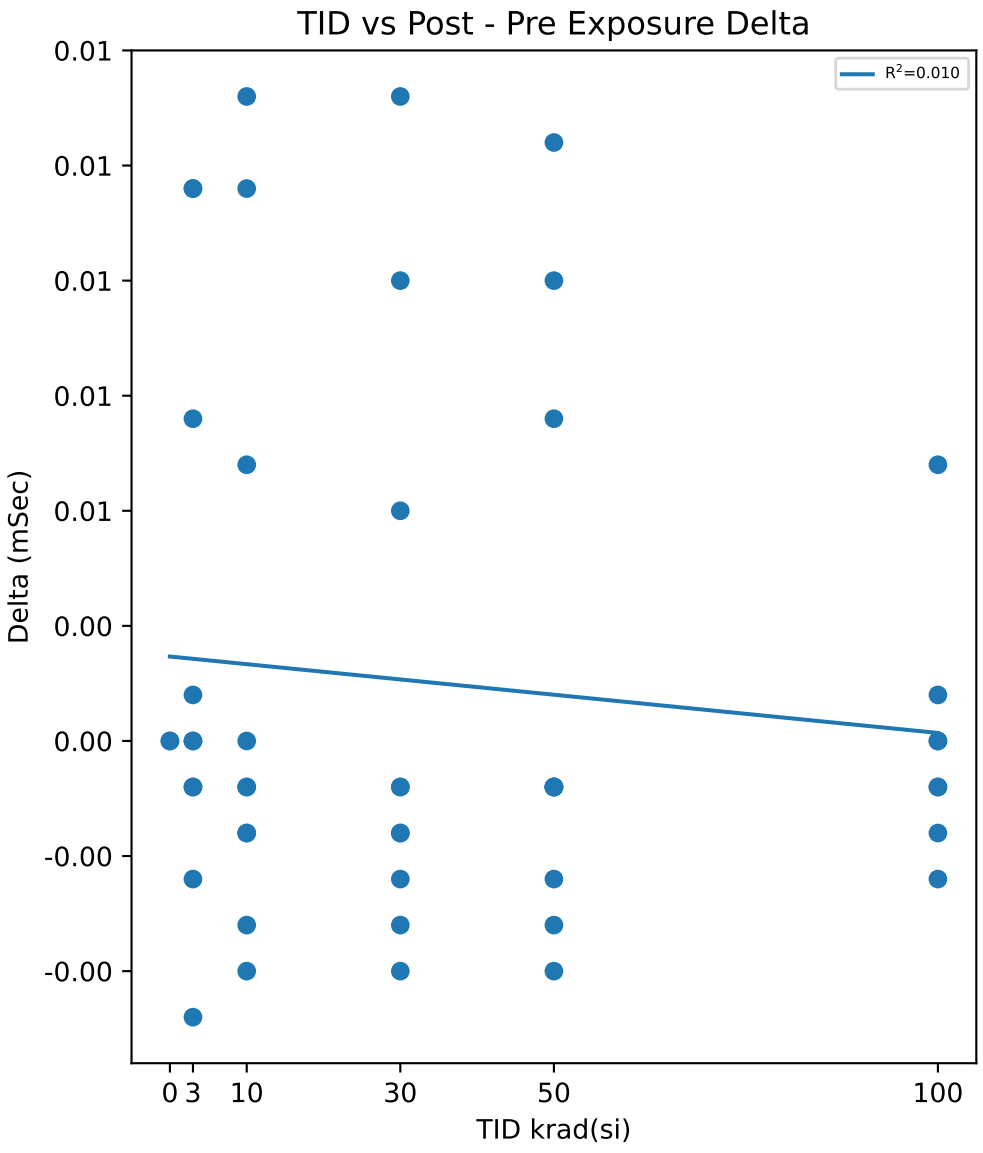
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 7 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 16 | 3 | LDR-Biased | 0.259 | 0.271 | 0.012 |
| 18 | 3 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 19 | 3 | LDR-Biased | 0.255 | 0.262 | 0.007 |
| 20 | 3 | LDR-Biased | 0.259 | 0.259 | 0 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 23 | 3 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.259 | 0.27 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.26 | 0.26 | 0 |
| 46 | 10 | LDR-Biased | 0.259 | 0.272 | 0.013 |
| 48 | 10 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 49 | 10 | LDR-Biased | 0.255 | 0.261 | 0.006 |
| 50 | 10 | LDR-Biased | 0.259 | 0.259 | 0 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 53 | 10 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.26 | 0.26 | 0 |
| 76 | 30 | LDR-Biased | 0.259 | 0.271 | 0.012 |
| 78 | 30 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 79 | 30 | LDR-Biased | 0.255 | 0.261 | 0.006 |
| 80 | 30 | LDR-Biased | 0.259 | 0.259 | 0 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 83 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.26 | 0.26 | 0 |
| 85 | 30 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 87 | 100 | LDR-Biased | 0.259 | 0.259 | 0 |
| 88 | 100 | LDR-Biased | 0.259 | 0.259 | 0 |
| 90 | 100 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.268 | 0.005 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 94 | 100 | LDR-Unbiased | 0.259 | 0.258 | -0.001 |
| 95 | 100 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 96 | 100 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 106 | 50 | LDR-Biased | 0.259 | 0.271 | 0.012 |
| 108 | 50 | LDR-Biased | 0.26 | 0.258 | -0.002 |
| 109 | 50 | LDR-Biased | 0.255 | 0.262 | 0.007 |
| 110 | 50 | LDR-Biased | 0.259 | 0.259 | 0 |
| 111 | 50 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.257 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.258 | 0.254 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.26 | 0.26 | 0 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.259 | 0.259 | 0.259 | 0 | 0.259 | 0.259 | 0.259 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.255 | 0.2594 | 0.262 | 0.0019551 | 0.254 | 0.2614 | 0.271 | 0.0052324 | -0.004 | 0.002 | 0.012 | 0.0058119 |
| 10 | 0.255 | 0.2594 | 0.262 | 0.0019551 | 0.254 | 0.2613 | 0.272 | 0.0052715 | -0.004 | 0.0019 | 0.013 | 0.0057629 |
| 30 | 0.255 | 0.2594 | 0.262 | 0.0019551 | 0.254 | 0.2608 | 0.271 | 0.0052239 | -0.004 | 0.0014 | 0.012 | 0.0058348 |
| 50 | 0.255 | 0.2594 | 0.262 | 0.0019551 | 0.254 | 0.2609 | 0.271 | 0.0052589 | -0.004 | 0.0015 | 0.012 | 0.0059301 |
| 100 | 0.258 | 0.26012 | 0.263 | 0.0016421 | 0.254 | 0.2595 | 0.268 | 0.0039641 | -0.004 | -0.000625 | 0.005 | 0.0027223 |

# Device Test: 4.39 treg_Res10p5K_SENSE4/SENSE4/7/14/0/10.5K/0/@REG_TIME_10KOHM



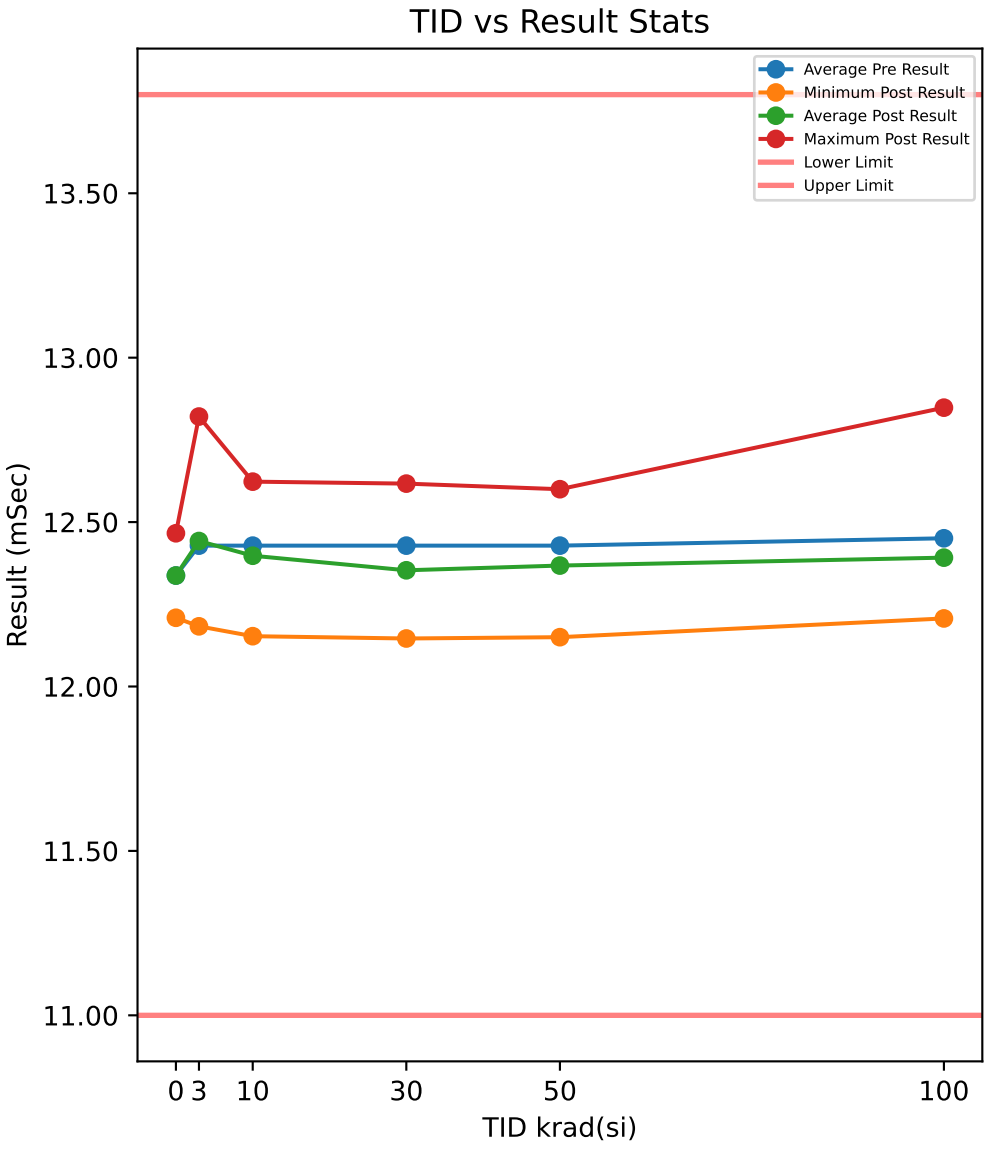

Test Results (Lower Limit = 0.21, Upper Limit = 0.32 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.26 | 0.26 | 0 |
| 7 | 0 | Correlation | 0.259 | 0.259 | 0 |
| 16 | 3 | LDR-Biased | 0.259 | 0.271 | 0.012 |
| 18 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 19 | 3 | LDR-Biased | 0.255 | 0.262 | 0.007 |
| 20 | 3 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 23 | 3 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.26 | 0.254 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.259 | 0.271 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.261 | 0.261 | 0 |
| 46 | 10 | LDR-Biased | 0.259 | 0.273 | 0.014 |
| 48 | 10 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 49 | 10 | LDR-Biased | 0.255 | 0.261 | 0.006 |
| 50 | 10 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 53 | 10 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.26 | 0.255 | -0.005 |
| 56 | 10 | LDR-Unbiased | 0.259 | 0.271 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 76 | 30 | LDR-Biased | 0.259 | 0.273 | 0.014 |
| 78 | 30 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 79 | 30 | LDR-Biased | 0.255 | 0.26 | 0.005 |
| 80 | 30 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.261 | 0.258 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.26 | 0.255 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 87 | 100 | LDR-Biased | 0.258 | 0.259 | 0.001 |
| 88 | 100 | LDR-Biased | 0.259 | 0.259 | 0 |
| 90 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.268 | 0.006 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.258 | 0.258 | 0 |
| 95 | 100 | LDR-Unbiased | 0.258 | 0.255 | -0.003 |
| 96 | 100 | LDR-Unbiased | 0.262 | 0.261 | -0.001 |
| 106 | 50 | LDR-Biased | 0.259 | 0.272 | 0.013 |
| 108 | 50 | LDR-Biased | 0.261 | 0.258 | -0.003 |
| 109 | 50 | LDR-Biased | 0.255 | 0.262 | 0.007 |
| 110 | 50 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 111 | 50 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 113 | 50 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.26 | 0.255 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.259 | 0.269 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |

Test Statistics (mSec)

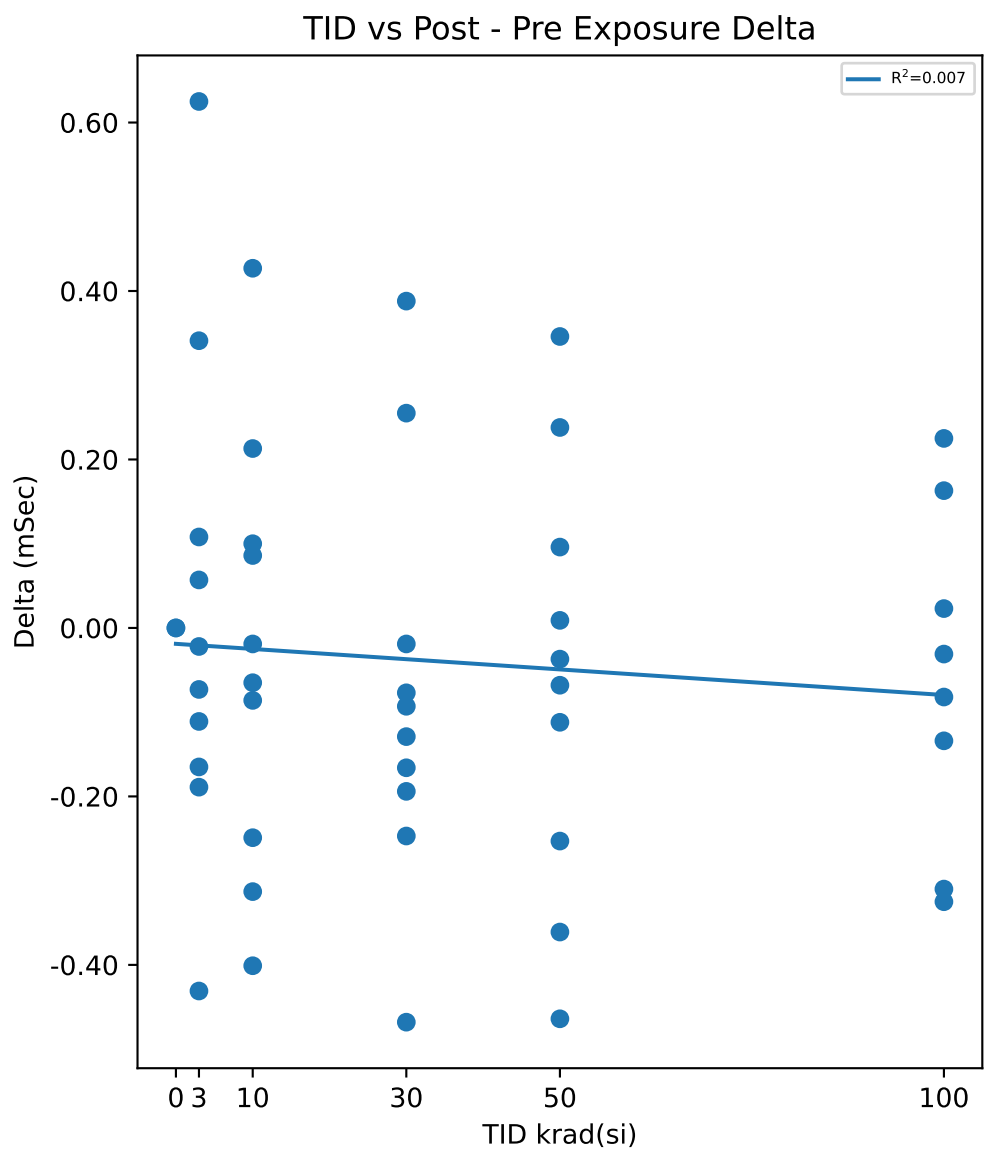
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.259 | 0.2595 | 0.26 | 0.00070711 | 0.259 | 0.2595 | 0.26 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.255 | 0.2599 | 0.262 | 0.0019692 | 0.254 | 0.262 | 0.271 | 0.0052281 | -0.006 | 0.0021 | 0.012 | 0.0061545 |
| 10 | 0.255 | 0.2599 | 0.262 | 0.0019692 | 0.255 | 0.2616 | 0.273 | 0.0057581 | -0.005 | 0.0017 | 0.014 | 0.0066508 |
| 30 | 0.255 | 0.2599 | 0.262 | 0.0019692 | 0.255 | 0.261 | 0.273 | 0.0055377 | -0.005 | 0.0011 | 0.014 | 0.0064023 |
| 50 | 0.255 | 0.2599 | 0.262 | 0.0019692 | 0.255 | 0.2613 | 0.272 | 0.0052292 | -0.005 | 0.0014 | 0.013 | 0.0062574 |
| 100 | 0.258 | 0.25975 | 0.262 | 0.0017525 | 0.255 | 0.25975 | 0.268 | 0.0037321 | -0.003 | 0 | 0.006 | 0.0027255 |

# Device Test: 4.4 treg_Res619K_SENSE1/SENSE1/1.6/3/0/619K/0/@REG_TIME_500KOHM




Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

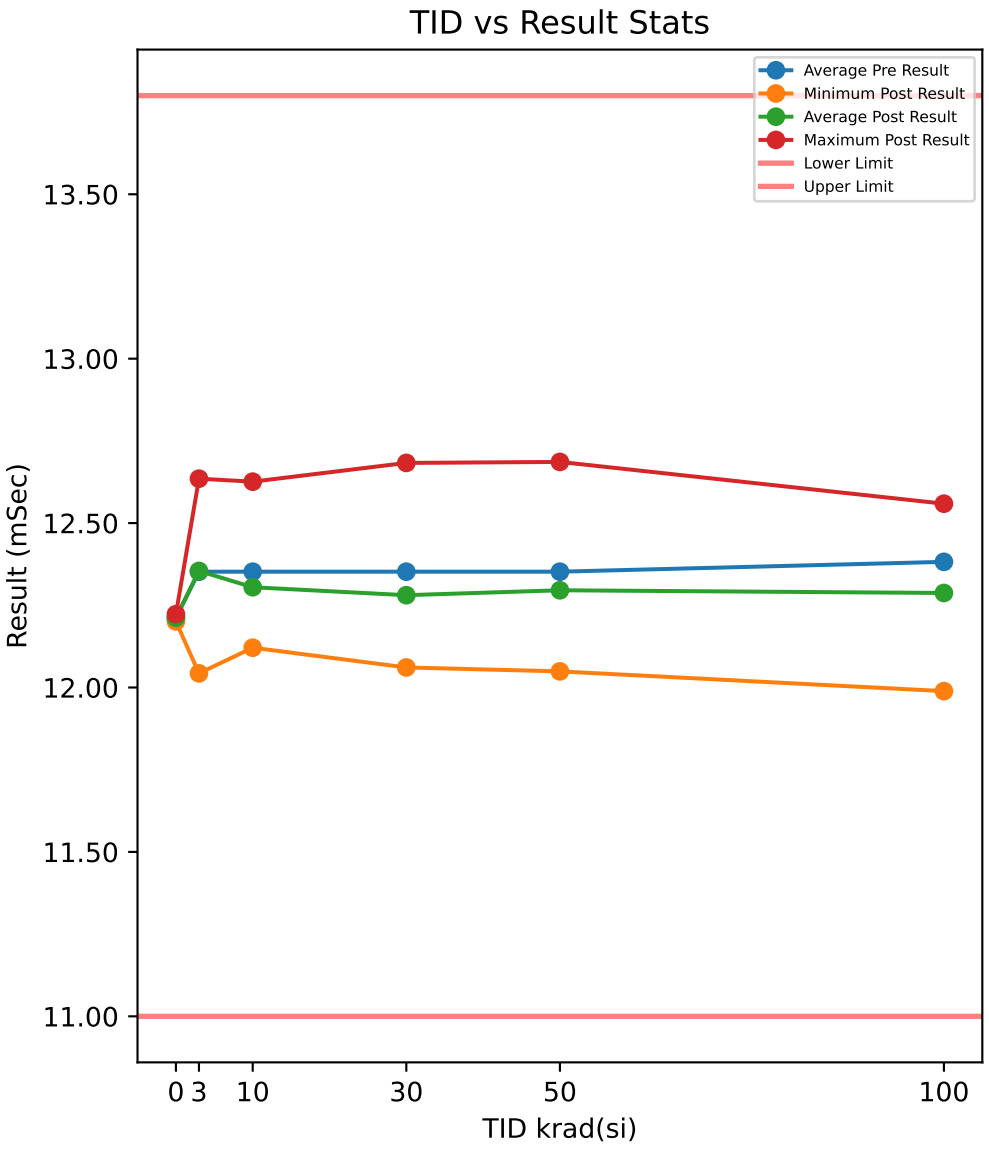
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.209 | 12.209 | 0 |
| 7 | 0 | Correlation | 12.466 | 12.466 | 0 |
| 16 | 3 | LDR-Biased | 12.362 | 12.703 | 0.341 |
| 18 | 3 | LDR-Biased | 12.328 | 12.436 | 0.108 |
| 19 | 3 | LDR-Biased | 12.256 | 12.313 | 0.057 |
| 20 | 3 | LDR-Biased | 12.403 | 12.381 | -0.022 |
| 21 | 3 | LDR-Biased | 12.551 | 12.478 | -0.073 |
| 22 | 3 | LDR-Unbiased | 12.63 | 12.519 | -0.111 |
| 23 | 3 | LDR-Unbiased | 12.466 | 12.277 | -0.189 |
| 25 | 3 | LDR-Unbiased | 12.478 | 12.313 | -0.165 |
| 26 | 3 | LDR-Unbiased | 12.196 | 12.821 | 0.625 |
| 27 | 3 | LDR-Unbiased | 12.614 | 12.183 | -0.431 |
| 46 | 10 | LDR-Biased | 12.362 | 12.575 | 0.213 |
| 48 | 10 | LDR-Biased | 12.328 | 12.414 | 0.086 |
| 49 | 10 | LDR-Biased | 12.256 | 12.356 | 0.1 |
| 50 | 10 | LDR-Biased | 12.403 | 12.338 | -0.065 |
| 51 | 10 | LDR-Biased | 12.551 | 12.465 | -0.086 |
| 52 | 10 | LDR-Unbiased | 12.63 | 12.381 | -0.249 |
| 53 | 10 | LDR-Unbiased | 12.466 | 12.153 | -0.313 |
| 55 | 10 | LDR-Unbiased | 12.478 | 12.459 | -0.019 |
| 56 | 10 | LDR-Unbiased | 12.196 | 12.623 | 0.427 |
| 57 | 10 | LDR-Unbiased | 12.614 | 12.213 | -0.401 |
| 76 | 30 | LDR-Biased | 12.362 | 12.617 | 0.255 |
| 78 | 30 | LDR-Biased | 12.328 | 12.309 | -0.019 |
| 79 | 30 | LDR-Biased | 12.256 | 12.179 | -0.077 |
| 80 | 30 | LDR-Biased | 12.403 | 12.209 | -0.194 |
| 81 | 30 | LDR-Biased | 12.551 | 12.422 | -0.129 |
| 82 | 30 | LDR-Unbiased | 12.63 | 12.464 | -0.166 |
| 83 | 30 | LDR-Unbiased | 12.466 | 12.219 | -0.247 |
| 84 | 30 | LDR-Unbiased | 12.614 | 12.146 | -0.468 |
| 85 | 30 | LDR-Unbiased | 12.478 | 12.385 | -0.093 |
| 86 | 30 | LDR-Unbiased | 12.196 | 12.584 | 0.388 |
| 87 | 100 | LDR-Biased | 12.398 | 12.421 | 0.023 |
| 88 | 100 | LDR-Biased | 12.344 | 12.313 | -0.031 |
| 90 | 100 | LDR-Biased | 12.341 | 12.207 | -0.134 |
| 91 | 100 | LDR-Unbiased | 12.623 | 12.848 | 0.225 |
| 93 | 100 | LDR-Unbiased | 12.553 | 12.228 | -0.325 |
| 94 | 100 | LDR-Unbiased | 12.513 | 12.431 | -0.082 |
| 95 | 100 | LDR-Unbiased | 12.229 | 12.392 | 0.163 |
| 96 | 100 | LDR-Unbiased | 12.605 | 12.295 | -0.31 |
| 106 | 50 | LDR-Biased | 12.362 | 12.6 | 0.238 |
| 108 | 50 | LDR-Biased | 12.328 | 12.424 | 0.096 |
| 109 | 50 | LDR-Biased | 12.256 | 12.188 | -0.068 |
| 110 | 50 | LDR-Biased | 12.403 | 12.366 | -0.037 |
| 111 | 50 | LDR-Biased | 12.551 | 12.298 | -0.253 |
| 112 | 50 | LDR-Unbiased | 12.63 | 12.269 | -0.361 |
| 113 | 50 | LDR-Unbiased | 12.466 | 12.354 | -0.112 |
| 115 | 50 | LDR-Unbiased | 12.478 | 12.487 | 0.009 |
| 116 | 50 | LDR-Unbiased | 12.196 | 12.542 | 0.346 |
| 117 | 50 | LDR-Unbiased | 12.614 | 12.15 | -0.464 |

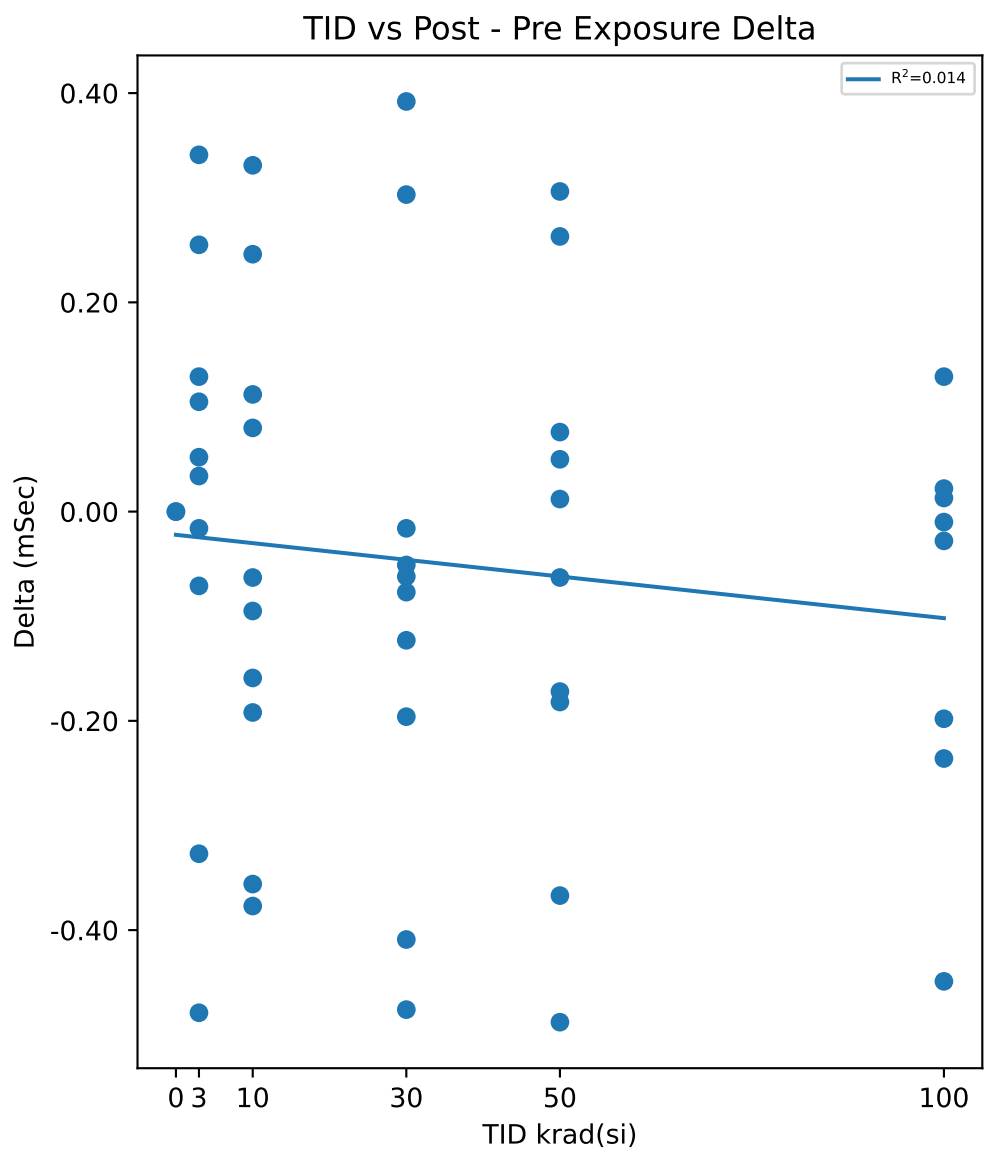



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.209 | 12.337 | 12.466 | 0.18173 | 12.209 | 12.337 | 12.466 | 0.18173 | 0 | 0 | 0 | 0 |
| 3 | 12.196 | 12.428 | 12.63 | 0.14639 | 12.183 | 12.442 | 12.821 | 0.1973 | -0.431 | 0.014 | 0.625 | 0.29565 |
| 10 | 12.196 | 12.428 | 12.63 | 0.14639 | 12.153 | 12.398 | 12.623 | 0.14542 | -0.401 | -0.0307 | 0.427 | 0.25131 |
| 30 | 12.196 | 12.428 | 12.63 | 0.14639 | 12.146 | 12.353 | 12.617 | 0.1683 | -0.468 | -0.075 | 0.388 | 0.24407 |
| 50 | 12.196 | 12.428 | 12.63 | 0.14639 | 12.15 | 12.368 | 12.6 | 0.14766 | -0.464 | -0.0606 | 0.346 | 0.25322 |
| 100 | 12.229 | 12.451 | 12.623 | 0.14302 | 12.207 | 12.392 | 12.848 | 0.20251 | -0.325 | -0.058875 | 0.225 | 0.19905 |

# Device Test: 4.40 treg_Res619K_SENSE1/SENSE1/7/14/0/619K/0/@REG_TIME_500KOHM



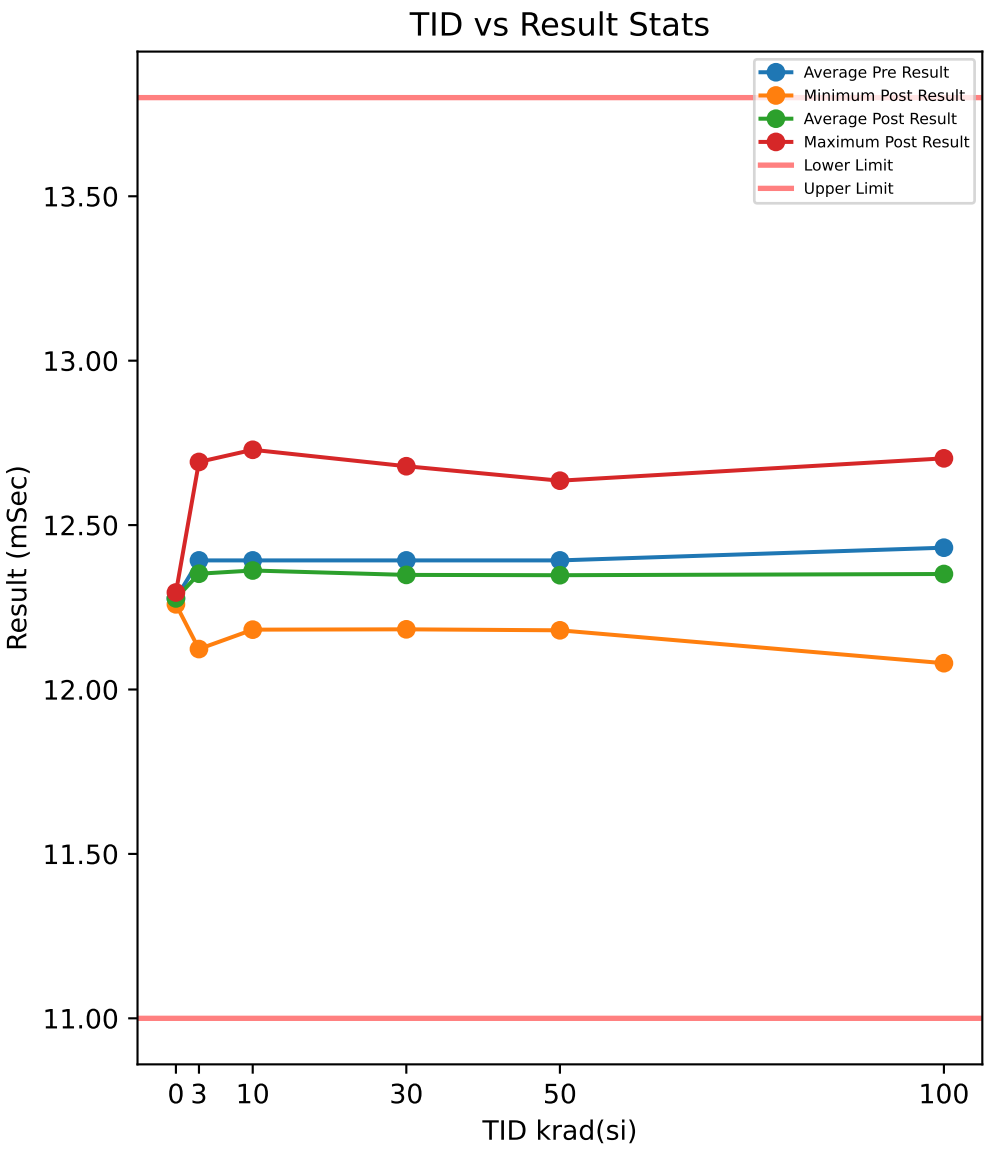

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

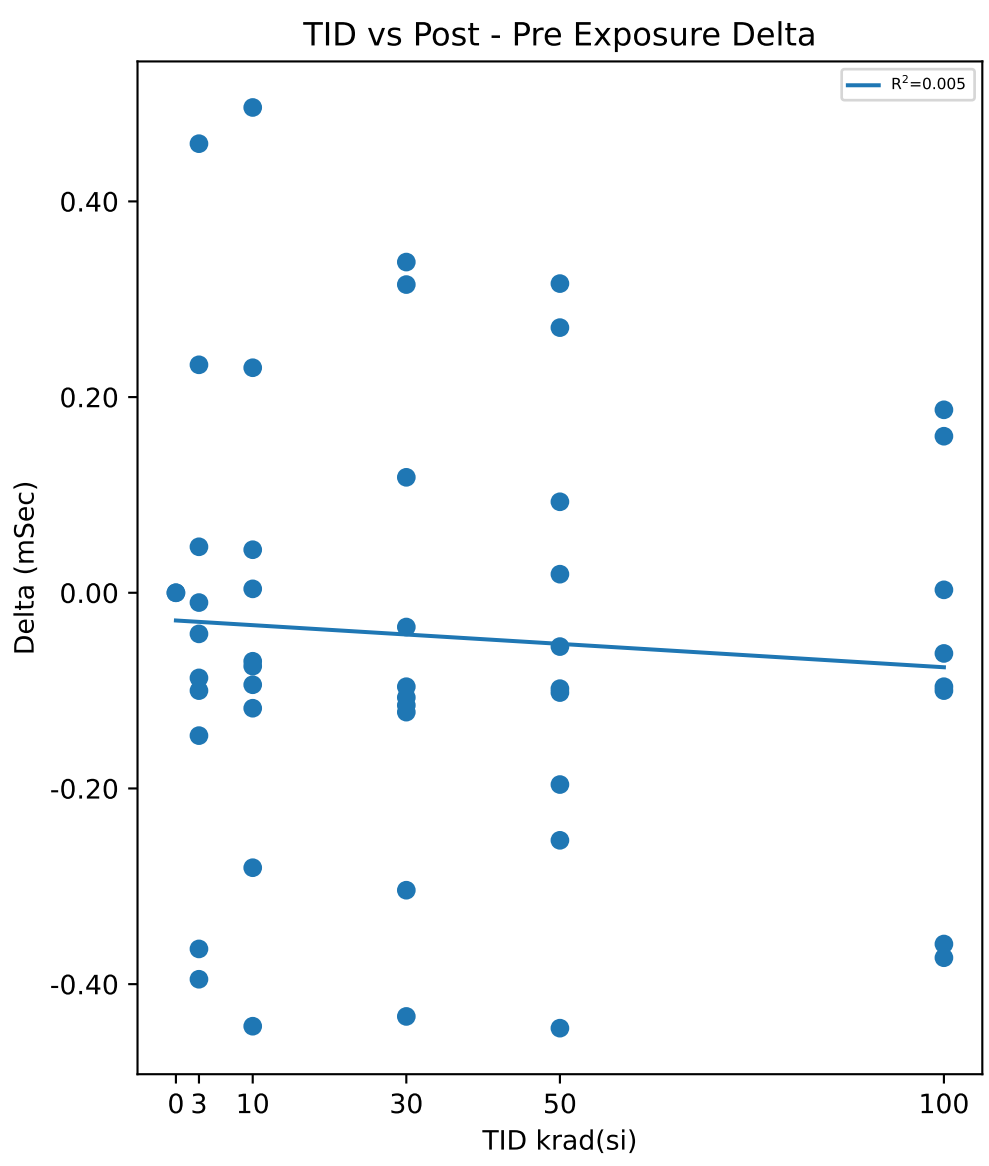
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.223 | 12.223 | 0 |
| 7 | 0 | Correlation | 12.201 | 12.201 | 0 |
| 16 | 3 | LDR-Biased | 12.38 | 12.635 | 0.255 |
| 18 | 3 | LDR-Biased | 12.235 | 12.364 | 0.129 |
| 19 | 3 | LDR-Biased | 12.172 | 12.224 | 0.052 |
| 20 | 3 | LDR-Biased | 12.313 | 12.297 | -0.016 |
| 21 | 3 | LDR-Biased | 12.284 | 12.389 | 0.105 |
| 22 | 3 | LDR-Unbiased | 12.508 | 12.437 | -0.071 |
| 23 | 3 | LDR-Unbiased | 12.522 | 12.043 | -0.479 |
| 25 | 3 | LDR-Unbiased | 12.357 | 12.391 | 0.034 |
| 26 | 3 | LDR-Unbiased | 12.214 | 12.555 | 0.341 |
| 27 | 3 | LDR-Unbiased | 12.537 | 12.21 | -0.327 |
| 46 | 10 | LDR-Biased | 12.38 | 12.626 | 0.246 |
| 48 | 10 | LDR-Biased | 12.235 | 12.347 | 0.112 |
| 49 | 10 | LDR-Biased | 12.172 | 12.252 | 0.08 |
| 50 | 10 | LDR-Biased | 12.313 | 12.121 | -0.192 |
| 51 | 10 | LDR-Biased | 12.284 | 12.221 | -0.063 |
| 52 | 10 | LDR-Unbiased | 12.508 | 12.349 | -0.159 |
| 53 | 10 | LDR-Unbiased | 12.522 | 12.145 | -0.377 |
| 55 | 10 | LDR-Unbiased | 12.357 | 12.262 | -0.095 |
| 56 | 10 | LDR-Unbiased | 12.214 | 12.545 | 0.331 |
| 57 | 10 | LDR-Unbiased | 12.537 | 12.181 | -0.356 |
| 76 | 30 | LDR-Biased | 12.38 | 12.683 | 0.303 |
| 78 | 30 | LDR-Biased | 12.235 | 12.219 | -0.016 |
| 79 | 30 | LDR-Biased | 12.172 | 12.121 | -0.051 |
| 80 | 30 | LDR-Biased | 12.313 | 12.117 | -0.196 |
| 81 | 30 | LDR-Biased | 12.284 | 12.207 | -0.077 |
| 82 | 30 | LDR-Unbiased | 12.508 | 12.385 | -0.123 |
| 83 | 30 | LDR-Unbiased | 12.522 | 12.113 | -0.409 |
| 84 | 30 | LDR-Unbiased | 12.537 | 12.061 | -0.476 |
| 85 | 30 | LDR-Unbiased | 12.357 | 12.295 | -0.062 |
| 86 | 30 | LDR-Unbiased | 12.214 | 12.606 | 0.392 |
| 87 | 100 | LDR-Biased | 12.329 | 12.351 | 0.022 |
| 88 | 100 | LDR-Biased | 12.262 | 12.234 | -0.028 |
| 90 | 100 | LDR-Biased | 12.248 | 12.238 | -0.01 |
| 91 | 100 | LDR-Unbiased | 12.546 | 12.559 | 0.013 |
| 93 | 100 | LDR-Unbiased | 12.438 | 11.989 | -0.449 |
| 94 | 100 | LDR-Unbiased | 12.386 | 12.188 | -0.198 |
| 95 | 100 | LDR-Unbiased | 12.305 | 12.434 | 0.129 |
| 96 | 100 | LDR-Unbiased | 12.543 | 12.307 | -0.236 |
| 106 | 50 | LDR-Biased | 12.38 | 12.686 | 0.306 |
| 108 | 50 | LDR-Biased | 12.235 | 12.247 | 0.012 |
| 109 | 50 | LDR-Biased | 12.172 | 12.248 | 0.076 |
| 110 | 50 | LDR-Biased | 12.313 | 12.131 | -0.182 |
| 111 | 50 | LDR-Biased | 12.284 | 12.221 | -0.063 |
| 112 | 50 | LDR-Unbiased | 12.508 | 12.336 | -0.172 |
| 113 | 50 | LDR-Unbiased | 12.522 | 12.155 | -0.367 |
| 115 | 50 | LDR-Unbiased | 12.357 | 12.407 | 0.05 |
| 116 | 50 | LDR-Unbiased | 12.214 | 12.477 | 0.263 |
| 117 | 50 | LDR-Unbiased | 12.537 | 12.049 | -0.488 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.201 | 12.212 | 12.223 | 0.015556 | 12.201 | 12.212 | 12.223 | 0.015556 | 0 | 0 | 0 | 0 |
| 3 | 12.172 | 12.352 | 12.537 | 0.13314 | 12.043 | 12.354 | 12.635 | 0.17209 | -0.479 | 0.0023 | 0.341 | 0.2482 |
| 10 | 12.172 | 12.352 | 12.537 | 0.13314 | 12.121 | 12.305 | 12.626 | 0.16696 | -0.377 | -0.0473 | 0.331 | 0.2382 |
| 30 | 12.172 | 12.352 | 12.537 | 0.13314 | 12.061 | 12.281 | 12.683 | 0.21517 | -0.476 | -0.0715 | 0.392 | 0.26965 |
| 50 | 12.172 | 12.352 | 12.537 | 0.13314 | 12.049 | 12.296 | 12.686 | 0.18774 | -0.488 | -0.0565 | 0.306 | 0.2536 |
| 100 | 12.248 | 12.382 | 12.546 | 0.11775 | 11.989 | 12.287 | 12.559 | 0.17067 | -0.449 | -0.094625 | 0.129 | 0.18634 |

# Device Test: 4.41 treg_Res619K_SENSE2/SENSE2/7/14/0/619K/0/@REG_TIME_500KOHM



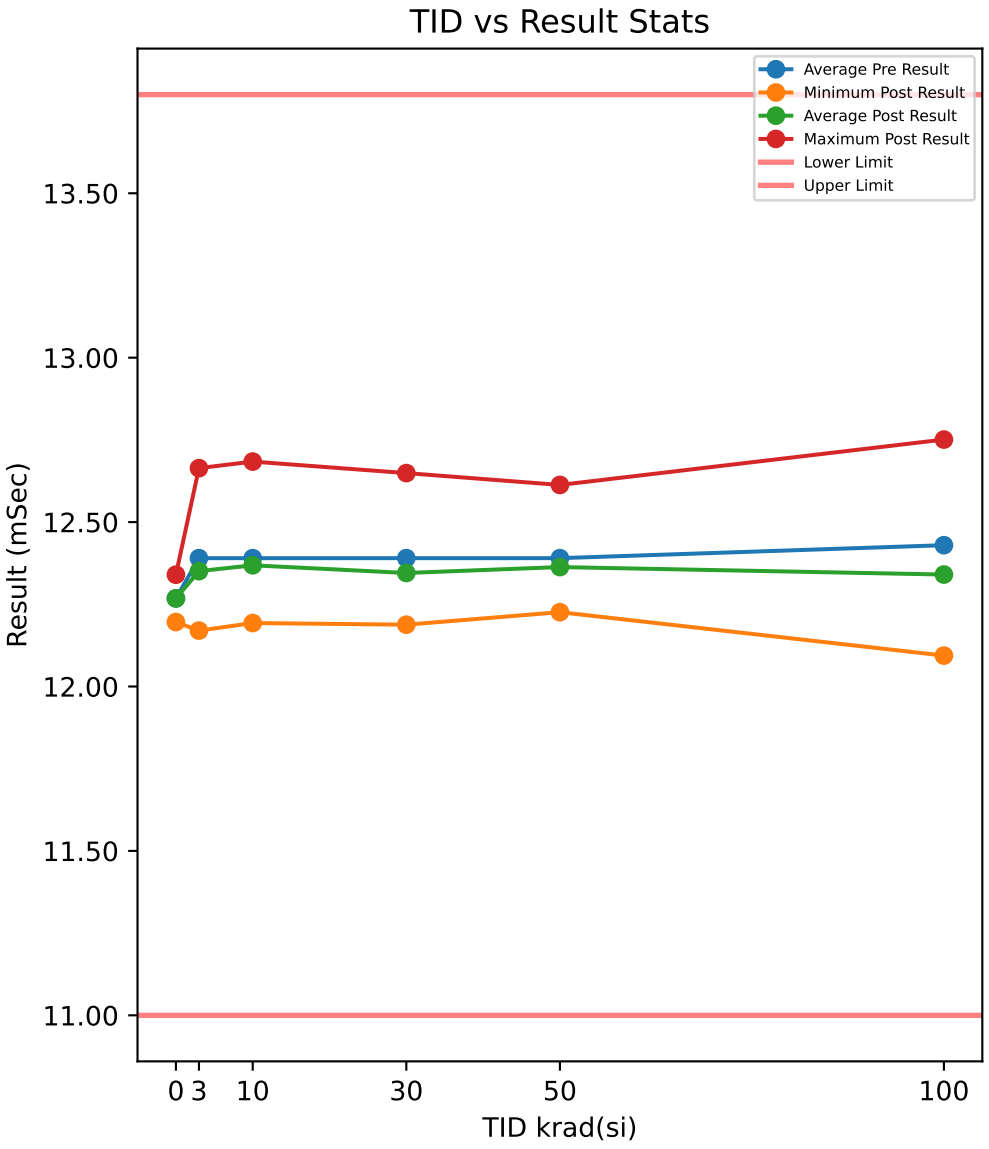

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

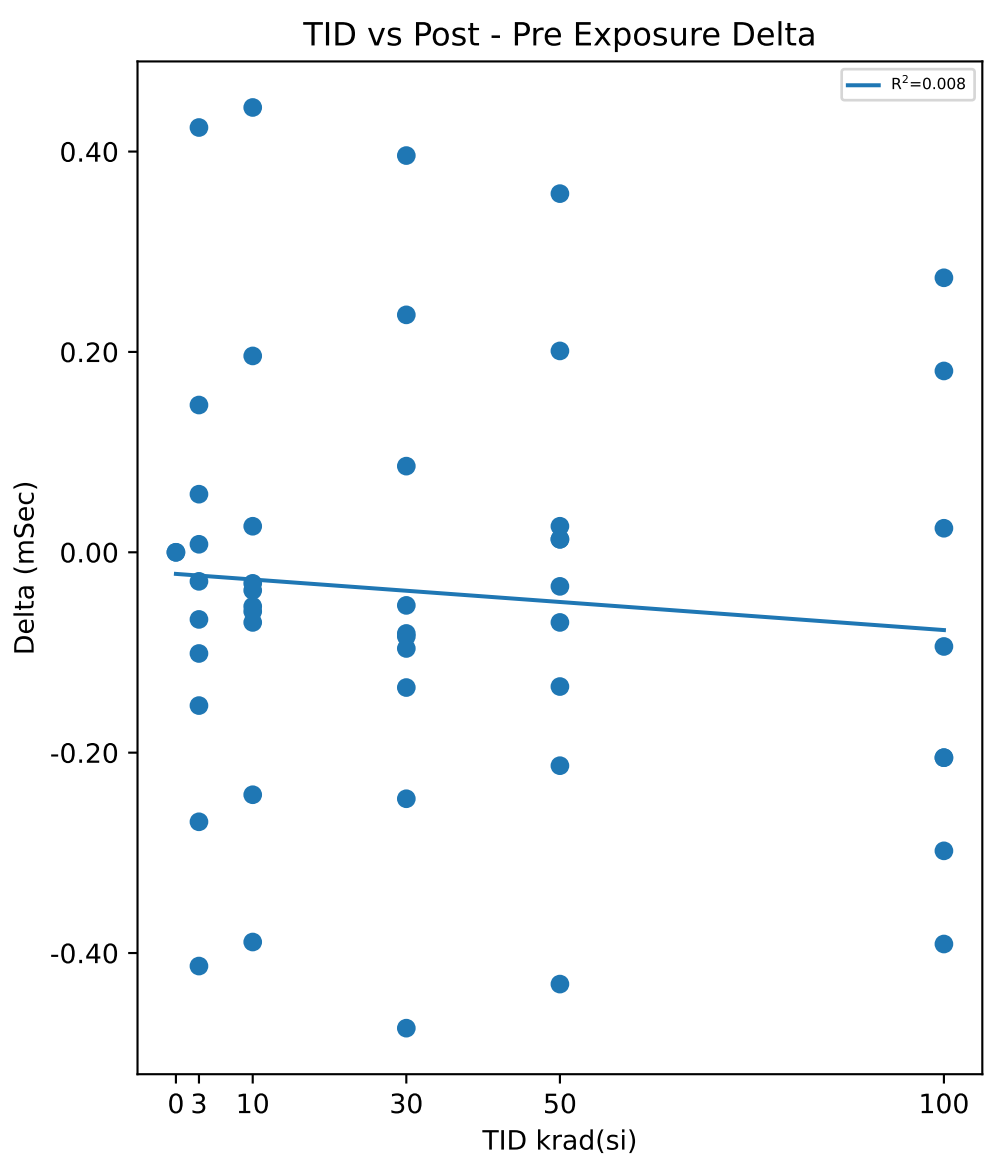
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.259 | 12.259 | 0 |
| 7 | 0 | Correlation | 12.295 | 12.295 | 0 |
| 16 | 3 | LDR-Biased | 12.364 | 12.597 | 0.233 |
| 18 | 3 | LDR-Biased | 12.35 | 12.34 | -0.01 |
| 19 | 3 | LDR-Biased | 12.29 | 12.248 | -0.042 |
| 20 | 3 | LDR-Biased | 12.32 | 12.233 | -0.087 |
| 21 | 3 | LDR-Biased | 12.452 | 12.306 | -0.146 |
| 22 | 3 | LDR-Unbiased | 12.512 | 12.412 | -0.1 |
| 23 | 3 | LDR-Unbiased | 12.487 | 12.123 | -0.364 |
| 25 | 3 | LDR-Unbiased | 12.293 | 12.34 | 0.047 |
| 26 | 3 | LDR-Unbiased | 12.233 | 12.692 | 0.459 |
| 27 | 3 | LDR-Unbiased | 12.625 | 12.23 | -0.395 |
| 46 | 10 | LDR-Biased | 12.364 | 12.594 | 0.23 |
| 48 | 10 | LDR-Biased | 12.35 | 12.354 | 0.004 |
| 49 | 10 | LDR-Biased | 12.29 | 12.196 | -0.094 |
| 50 | 10 | LDR-Biased | 12.32 | 12.202 | -0.118 |
| 51 | 10 | LDR-Biased | 12.452 | 12.382 | -0.07 |
| 52 | 10 | LDR-Unbiased | 12.512 | 12.437 | -0.075 |
| 53 | 10 | LDR-Unbiased | 12.487 | 12.206 | -0.281 |
| 55 | 10 | LDR-Unbiased | 12.293 | 12.337 | 0.044 |
| 56 | 10 | LDR-Unbiased | 12.233 | 12.729 | 0.496 |
| 57 | 10 | LDR-Unbiased | 12.625 | 12.182 | -0.443 |
| 76 | 30 | LDR-Biased | 12.364 | 12.679 | 0.315 |
| 78 | 30 | LDR-Biased | 12.35 | 12.315 | -0.035 |
| 79 | 30 | LDR-Biased | 12.29 | 12.194 | -0.096 |
| 80 | 30 | LDR-Biased | 12.32 | 12.213 | -0.107 |
| 81 | 30 | LDR-Biased | 12.452 | 12.33 | -0.122 |
| 82 | 30 | LDR-Unbiased | 12.512 | 12.397 | -0.115 |
| 83 | 30 | LDR-Unbiased | 12.487 | 12.183 | -0.304 |
| 84 | 30 | LDR-Unbiased | 12.625 | 12.192 | -0.433 |
| 85 | 30 | LDR-Unbiased | 12.293 | 12.411 | 0.118 |
| 86 | 30 | LDR-Unbiased | 12.233 | 12.571 | 0.338 |
| 87 | 100 | LDR-Biased | 12.497 | 12.435 | -0.062 |
| 88 | 100 | LDR-Biased | 12.354 | 12.254 | -0.1 |
| 90 | 100 | LDR-Biased | 12.349 | 12.253 | -0.096 |
| 91 | 100 | LDR-Unbiased | 12.516 | 12.703 | 0.187 |
| 93 | 100 | LDR-Unbiased | 12.453 | 12.08 | -0.373 |
| 94 | 100 | LDR-Unbiased | 12.365 | 12.368 | 0.003 |
| 95 | 100 | LDR-Unbiased | 12.247 | 12.407 | 0.16 |
| 96 | 100 | LDR-Unbiased | 12.669 | 12.31 | -0.359 |
| 106 | 50 | LDR-Biased | 12.364 | 12.635 | 0.271 |
| 108 | 50 | LDR-Biased | 12.35 | 12.369 | 0.019 |
| 109 | 50 | LDR-Biased | 12.29 | 12.235 | -0.055 |
| 110 | 50 | LDR-Biased | 12.32 | 12.222 | -0.098 |
| 111 | 50 | LDR-Biased | 12.452 | 12.35 | -0.102 |
| 112 | 50 | LDR-Unbiased | 12.512 | 12.316 | -0.196 |
| 113 | 50 | LDR-Unbiased | 12.487 | 12.234 | -0.253 |
| 115 | 50 | LDR-Unbiased | 12.293 | 12.386 | 0.093 |
| 116 | 50 | LDR-Unbiased | 12.233 | 12.549 | 0.316 |
| 117 | 50 | LDR-Unbiased | 12.625 | 12.18 | -0.445 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.259 | 12.277 | 12.295 | 0.025456 | 12.259 | 12.277 | 12.295 | 0.025456 | 0 | 0 | 0 | 0 |
| 3 | 12.233 | 12.393 | 12.625 | 0.12226 | 12.123 | 12.352 | 12.692 | 0.17446 | -0.395 | -0.0405 | 0.459 | 0.25387 |
| 10 | 12.233 | 12.393 | 12.625 | 0.12226 | 12.182 | 12.362 | 12.729 | 0.18413 | -0.443 | -0.0307 | 0.496 | 0.25819 |
| 30 | 12.233 | 12.393 | 12.625 | 0.12226 | 12.183 | 12.348 | 12.679 | 0.17015 | -0.433 | -0.0441 | 0.338 | 0.24446 |
| 50 | 12.233 | 12.393 | 12.625 | 0.12226 | 12.18 | 12.348 | 12.635 | 0.1474 | -0.445 | -0.045 | 0.316 | 0.23227 |
| 100 | 12.247 | 12.431 | 12.669 | 0.1307 | 12.08 | 12.351 | 12.703 | 0.18068 | -0.373 | -0.08 | 0.187 | 0.20717 |

# Device Test: 4.42 treg_Res619K_SENSE3/SENSE3/7/14/0/619K/0/@REG_TIME_500KOHM



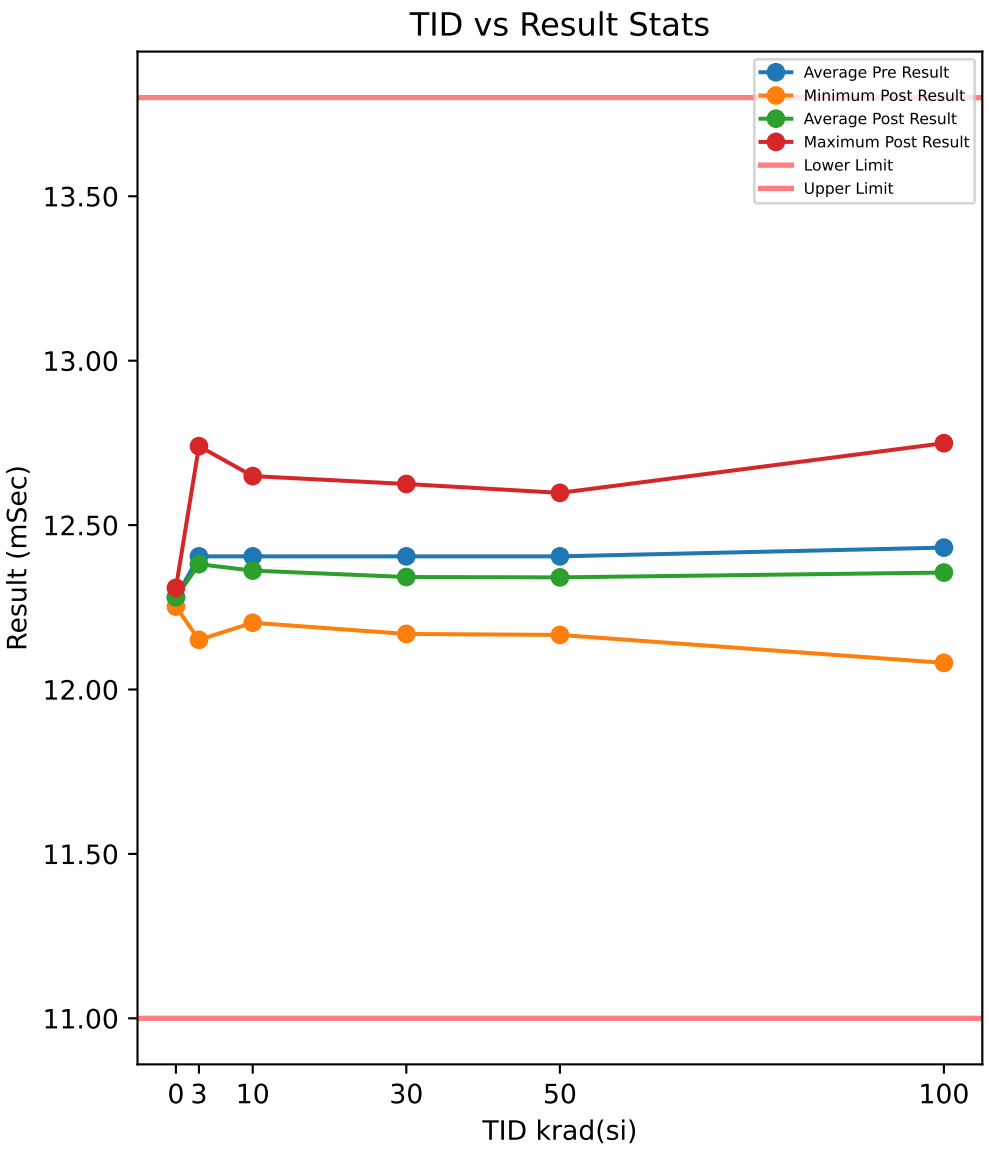

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

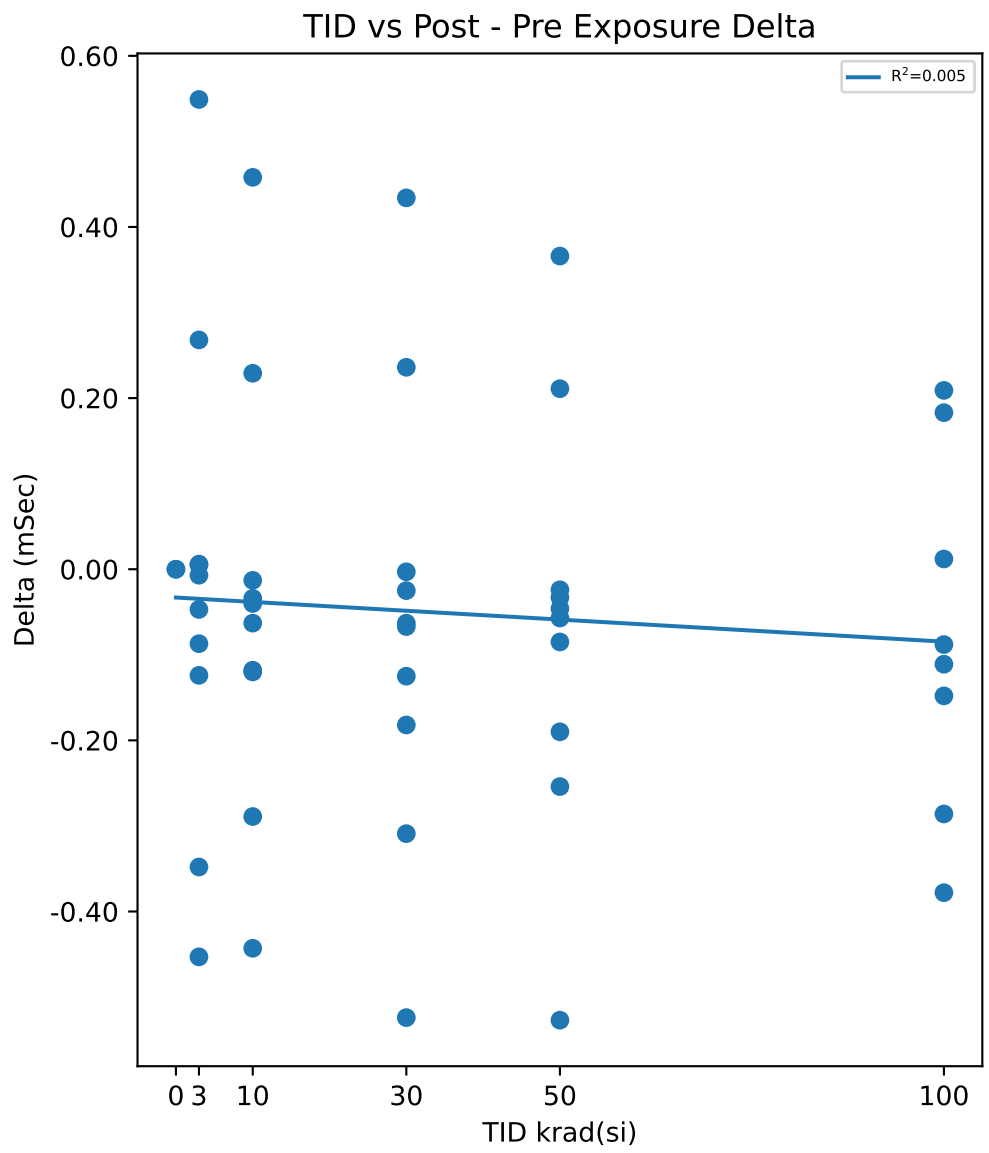
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.196 | 12.196 | 0 |
| 7 | 0 | Correlation | 12.34 | 12.34 | 0 |
| 16 | 3 | LDR-Biased | 12.412 | 12.559 | 0.147 |
| 18 | 3 | LDR-Biased | 12.38 | 12.313 | -0.067 |
| 19 | 3 | LDR-Biased | 12.327 | 12.174 | -0.153 |
| 20 | 3 | LDR-Biased | 12.263 | 12.271 | 0.008 |
| 21 | 3 | LDR-Biased | 12.376 | 12.347 | -0.029 |
| 22 | 3 | LDR-Unbiased | 12.476 | 12.375 | -0.101 |
| 23 | 3 | LDR-Unbiased | 12.439 | 12.17 | -0.269 |
| 25 | 3 | LDR-Unbiased | 12.327 | 12.385 | 0.058 |
| 26 | 3 | LDR-Unbiased | 12.24 | 12.664 | 0.424 |
| 27 | 3 | LDR-Unbiased | 12.663 | 12.25 | -0.413 |
| 46 | 10 | LDR-Biased | 12.412 | 12.608 | 0.196 |
| 48 | 10 | LDR-Biased | 12.38 | 12.349 | -0.031 |
| 49 | 10 | LDR-Biased | 12.327 | 12.268 | -0.059 |
| 50 | 10 | LDR-Biased | 12.263 | 12.193 | -0.07 |
| 51 | 10 | LDR-Biased | 12.376 | 12.338 | -0.038 |
| 52 | 10 | LDR-Unbiased | 12.476 | 12.422 | -0.054 |
| 53 | 10 | LDR-Unbiased | 12.439 | 12.197 | -0.242 |
| 55 | 10 | LDR-Unbiased | 12.327 | 12.353 | 0.026 |
| 56 | 10 | LDR-Unbiased | 12.24 | 12.684 | 0.444 |
| 57 | 10 | LDR-Unbiased | 12.663 | 12.274 | -0.389 |
| 76 | 30 | LDR-Biased | 12.412 | 12.649 | 0.237 |
| 78 | 30 | LDR-Biased | 12.38 | 12.299 | -0.081 |
| 79 | 30 | LDR-Biased | 12.327 | 12.192 | -0.135 |
| 80 | 30 | LDR-Biased | 12.263 | 12.21 | -0.053 |
| 81 | 30 | LDR-Biased | 12.376 | 12.292 | -0.084 |
| 82 | 30 | LDR-Unbiased | 12.476 | 12.38 | -0.096 |
| 83 | 30 | LDR-Unbiased | 12.439 | 12.193 | -0.246 |
| 84 | 30 | LDR-Unbiased | 12.663 | 12.188 | -0.475 |
| 85 | 30 | LDR-Unbiased | 12.327 | 12.413 | 0.086 |
| 86 | 30 | LDR-Unbiased | 12.24 | 12.636 | 0.396 |
| 87 | 100 | LDR-Biased | 12.464 | 12.488 | 0.024 |
| 88 | 100 | LDR-Biased | 12.393 | 12.188 | -0.205 |
| 90 | 100 | LDR-Biased | 12.394 | 12.189 | -0.205 |
| 91 | 100 | LDR-Unbiased | 12.477 | 12.751 | 0.274 |
| 93 | 100 | LDR-Unbiased | 12.392 | 12.094 | -0.298 |
| 94 | 100 | LDR-Unbiased | 12.401 | 12.307 | -0.094 |
| 95 | 100 | LDR-Unbiased | 12.269 | 12.45 | 0.181 |
| 96 | 100 | LDR-Unbiased | 12.648 | 12.257 | -0.391 |
| 106 | 50 | LDR-Biased | 12.412 | 12.613 | 0.201 |
| 108 | 50 | LDR-Biased | 12.38 | 12.393 | 0.013 |
| 109 | 50 | LDR-Biased | 12.327 | 12.257 | -0.07 |
| 110 | 50 | LDR-Biased | 12.263 | 12.289 | 0.026 |
| 111 | 50 | LDR-Biased | 12.376 | 12.342 | -0.034 |
| 112 | 50 | LDR-Unbiased | 12.476 | 12.342 | -0.134 |
| 113 | 50 | LDR-Unbiased | 12.439 | 12.226 | -0.213 |
| 115 | 50 | LDR-Unbiased | 12.327 | 12.34 | 0.013 |
| 116 | 50 | LDR-Unbiased | 12.24 | 12.598 | 0.358 |
| 117 | 50 | LDR-Unbiased | 12.663 | 12.232 | -0.431 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.196 | 12.268 | 12.34 | 0.10182 | 12.196 | 12.268 | 12.34 | 0.10182 | 0 | 0 | 0 | 0 |
| 3 | 12.24 | 12.39 | 12.663 | 0.12096 | 12.17 | 12.351 | 12.664 | 0.15815 | -0.413 | -0.0395 | 0.424 | 0.22878 |
| 10 | 12.24 | 12.39 | 12.663 | 0.12096 | 12.193 | 12.369 | 12.684 | 0.16349 | -0.389 | -0.0217 | 0.444 | 0.22487 |
| 30 | 12.24 | 12.39 | 12.663 | 0.12096 | 12.188 | 12.345 | 12.649 | 0.17552 | -0.475 | -0.0451 | 0.396 | 0.24268 |
| 50 | 12.24 | 12.39 | 12.663 | 0.12096 | 12.226 | 12.363 | 12.613 | 0.13851 | -0.431 | -0.0271 | 0.358 | 0.21535 |
| 100 | 12.269 | 12.43 | 12.648 | 0.10807 | 12.094 | 12.341 | 12.751 | 0.21291 | -0.391 | -0.08925 | 0.274 | 0.23277 |

# Device Test: 4.43 treg_Res619K_SENSE4/SENSE4/7/14/0/619K/0/@REG_TIME_500KOHM



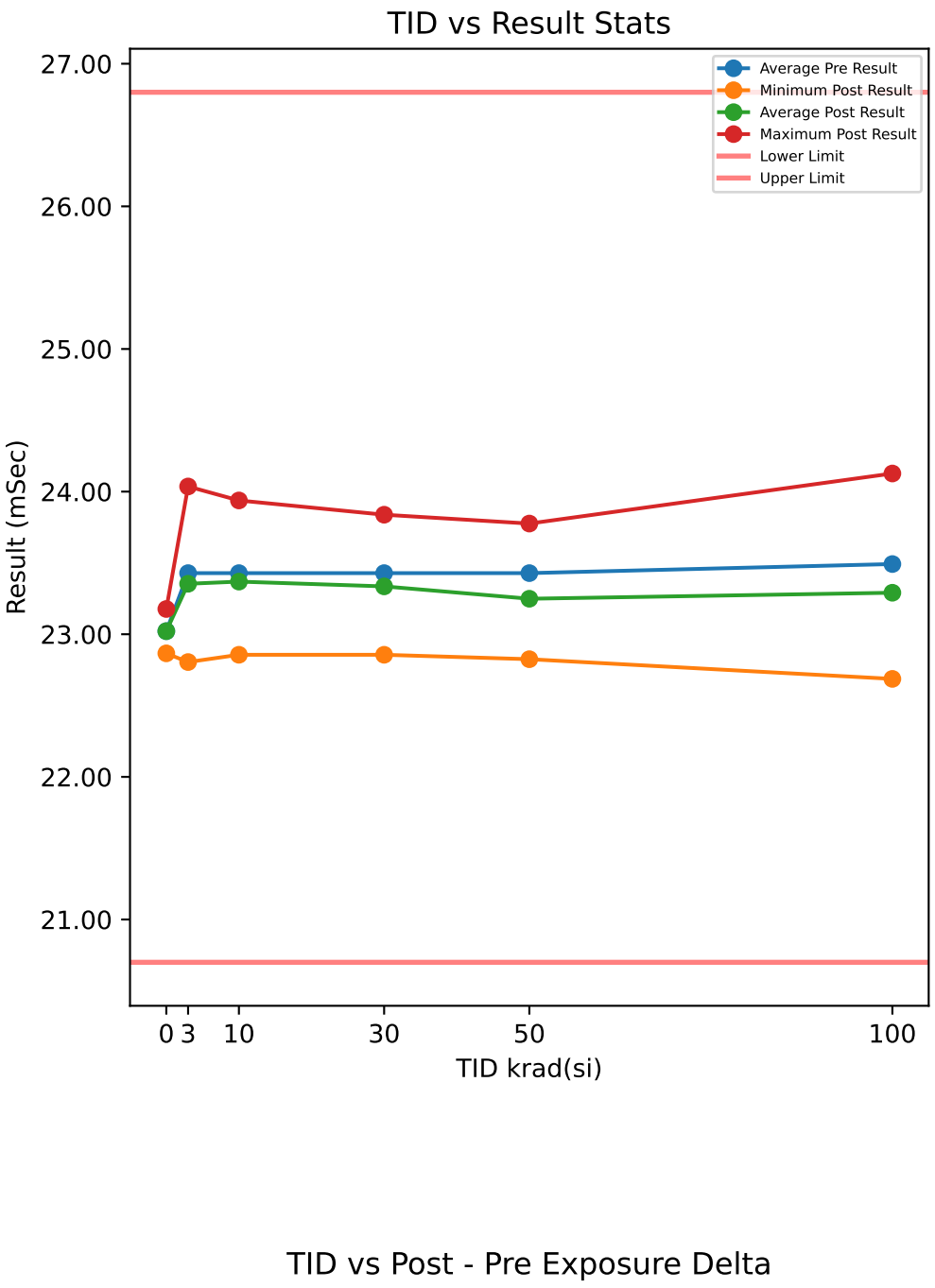

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

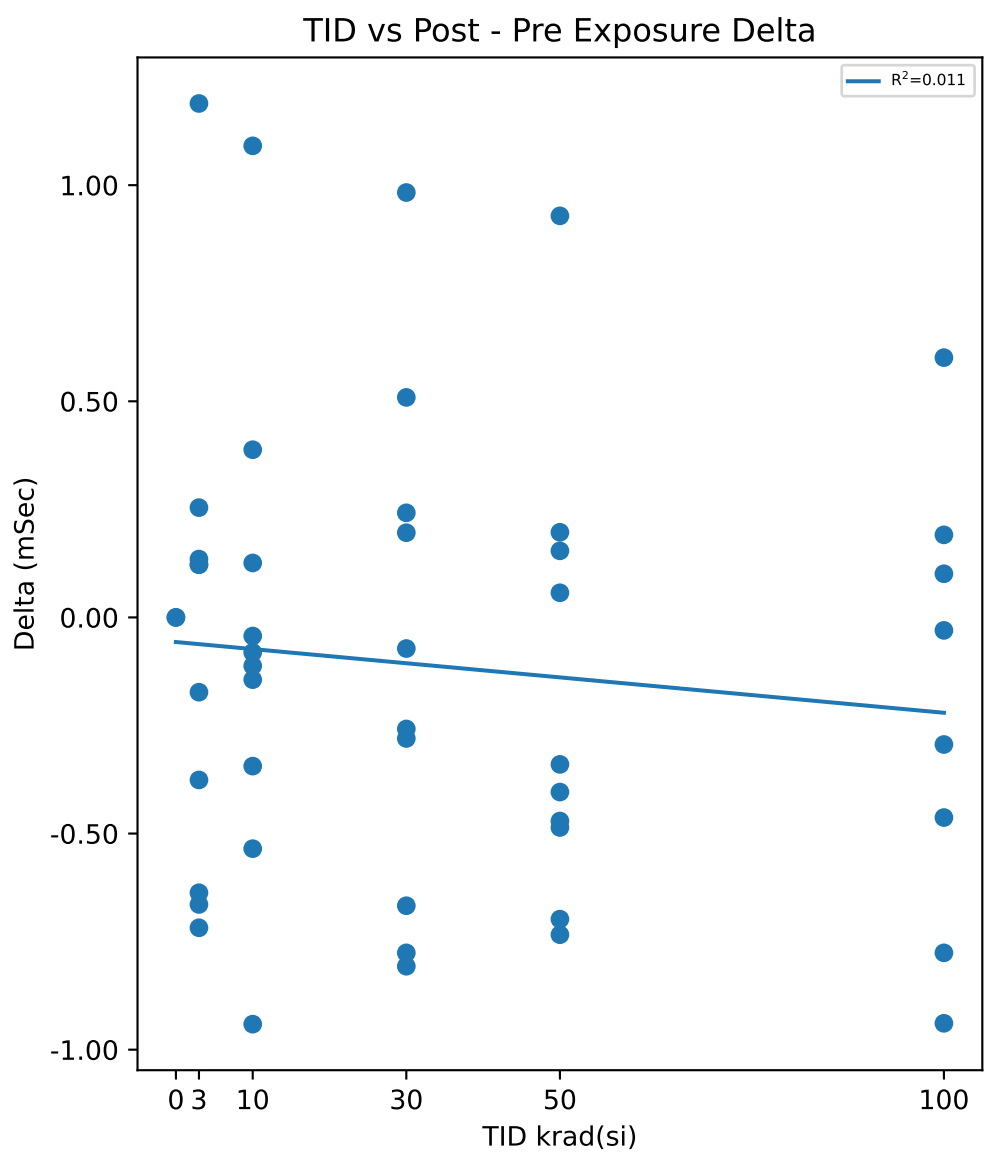
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.252 | 12.252 | 0 |
| 7 | 0 | Correlation | 12.309 | 12.309 | 0 |
| 16 | 3 | LDR-Biased | 12.387 | 12.655 | 0.268 |
| 18 | 3 | LDR-Biased | 12.368 | 12.373 | 0.005 |
| 19 | 3 | LDR-Biased | 12.266 | 12.259 | -0.007 |
| 20 | 3 | LDR-Biased | 12.332 | 12.245 | -0.087 |
| 21 | 3 | LDR-Biased | 12.378 | 12.384 | 0.006 |
| 22 | 3 | LDR-Unbiased | 12.55 | 12.426 | -0.124 |
| 23 | 3 | LDR-Unbiased | 12.499 | 12.151 | -0.348 |
| 25 | 3 | LDR-Unbiased | 12.385 | 12.338 | -0.047 |
| 26 | 3 | LDR-Unbiased | 12.191 | 12.74 | 0.549 |
| 27 | 3 | LDR-Unbiased | 12.693 | 12.24 | -0.453 |
| 46 | 10 | LDR-Biased | 12.387 | 12.616 | 0.229 |
| 48 | 10 | LDR-Biased | 12.368 | 12.334 | -0.034 |
| 49 | 10 | LDR-Biased | 12.266 | 12.203 | -0.063 |
| 50 | 10 | LDR-Biased | 12.332 | 12.212 | -0.12 |
| 51 | 10 | LDR-Biased | 12.378 | 12.338 | -0.04 |
| 52 | 10 | LDR-Unbiased | 12.55 | 12.432 | -0.118 |
| 53 | 10 | LDR-Unbiased | 12.499 | 12.21 | -0.289 |
| 55 | 10 | LDR-Unbiased | 12.385 | 12.372 | -0.013 |
| 56 | 10 | LDR-Unbiased | 12.191 | 12.649 | 0.458 |
| 57 | 10 | LDR-Unbiased | 12.693 | 12.25 | -0.443 |
| 76 | 30 | LDR-Biased | 12.387 | 12.623 | 0.236 |
| 78 | 30 | LDR-Biased | 12.368 | 12.343 | -0.025 |
| 79 | 30 | LDR-Biased | 12.266 | 12.203 | -0.063 |
| 80 | 30 | LDR-Biased | 12.332 | 12.207 | -0.125 |
| 81 | 30 | LDR-Biased | 12.378 | 12.311 | -0.067 |
| 82 | 30 | LDR-Unbiased | 12.55 | 12.368 | -0.182 |
| 83 | 30 | LDR-Unbiased | 12.499 | 12.19 | -0.309 |
| 84 | 30 | LDR-Unbiased | 12.693 | 12.169 | -0.524 |
| 85 | 30 | LDR-Unbiased | 12.385 | 12.382 | -0.003 |
| 86 | 30 | LDR-Unbiased | 12.191 | 12.625 | 0.434 |
| 87 | 100 | LDR-Biased | 12.438 | 12.45 | 0.012 |
| 88 | 100 | LDR-Biased | 12.387 | 12.239 | -0.148 |
| 90 | 100 | LDR-Biased | 12.372 | 12.261 | -0.111 |
| 91 | 100 | LDR-Unbiased | 12.54 | 12.749 | 0.209 |
| 93 | 100 | LDR-Unbiased | 12.459 | 12.081 | -0.378 |
| 94 | 100 | LDR-Unbiased | 12.389 | 12.301 | -0.088 |
| 95 | 100 | LDR-Unbiased | 12.261 | 12.444 | 0.183 |
| 96 | 100 | LDR-Unbiased | 12.606 | 12.32 | -0.286 |
| 106 | 50 | LDR-Biased | 12.387 | 12.598 | 0.211 |
| 108 | 50 | LDR-Biased | 12.368 | 12.344 | -0.024 |
| 109 | 50 | LDR-Biased | 12.266 | 12.181 | -0.085 |
| 110 | 50 | LDR-Biased | 12.332 | 12.299 | -0.033 |
| 111 | 50 | LDR-Biased | 12.378 | 12.332 | -0.046 |
| 112 | 50 | LDR-Unbiased | 12.55 | 12.36 | -0.19 |
| 113 | 50 | LDR-Unbiased | 12.499 | 12.245 | -0.254 |
| 115 | 50 | LDR-Unbiased | 12.385 | 12.328 | -0.057 |
| 116 | 50 | LDR-Unbiased | 12.191 | 12.557 | 0.366 |
| 117 | 50 | LDR-Unbiased | 12.693 | 12.166 | -0.527 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.252 | 12.28 | 12.309 | 0.040305 | 12.252 | 12.28 | 12.309 | 0.040305 | 0 | 0 | 0 | 0 |
| 3 | 12.191 | 12.405 | 12.693 | 0.14379 | 12.151 | 12.381 | 12.74 | 0.1868 | -0.453 | -0.0238 | 0.549 | 0.28267 |
| 10 | 12.191 | 12.405 | 12.693 | 0.14379 | 12.203 | 12.362 | 12.649 | 0.16216 | -0.443 | -0.0433 | 0.458 | 0.2491 |
| 30 | 12.191 | 12.405 | 12.693 | 0.14379 | 12.169 | 12.342 | 12.625 | 0.16762 | -0.524 | -0.0628 | 0.434 | 0.2651 |
| 50 | 12.191 | 12.405 | 12.693 | 0.14379 | 12.166 | 12.341 | 12.598 | 0.14163 | -0.527 | -0.0639 | 0.366 | 0.24273 |
| 100 | 12.261 | 12.431 | 12.606 | 0.10651 | 12.081 | 12.356 | 12.749 | 0.19773 | -0.378 | -0.075875 | 0.209 | 0.2063 |

# Device Test: 4.44 treg_Res1p18M_SENSE1/SENSE1/7/14/0/1.18M/0/@REG_TIME_1MOHM



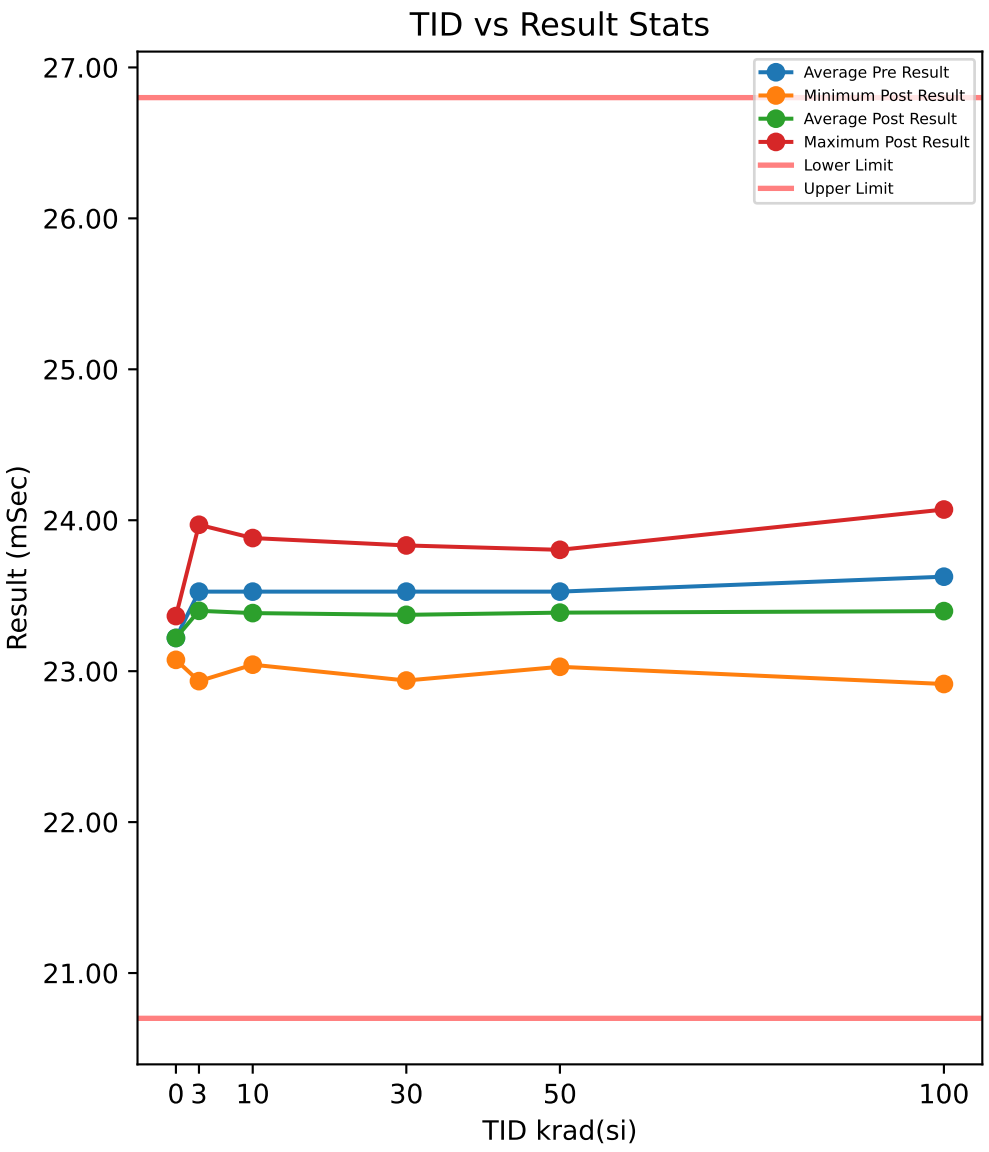

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

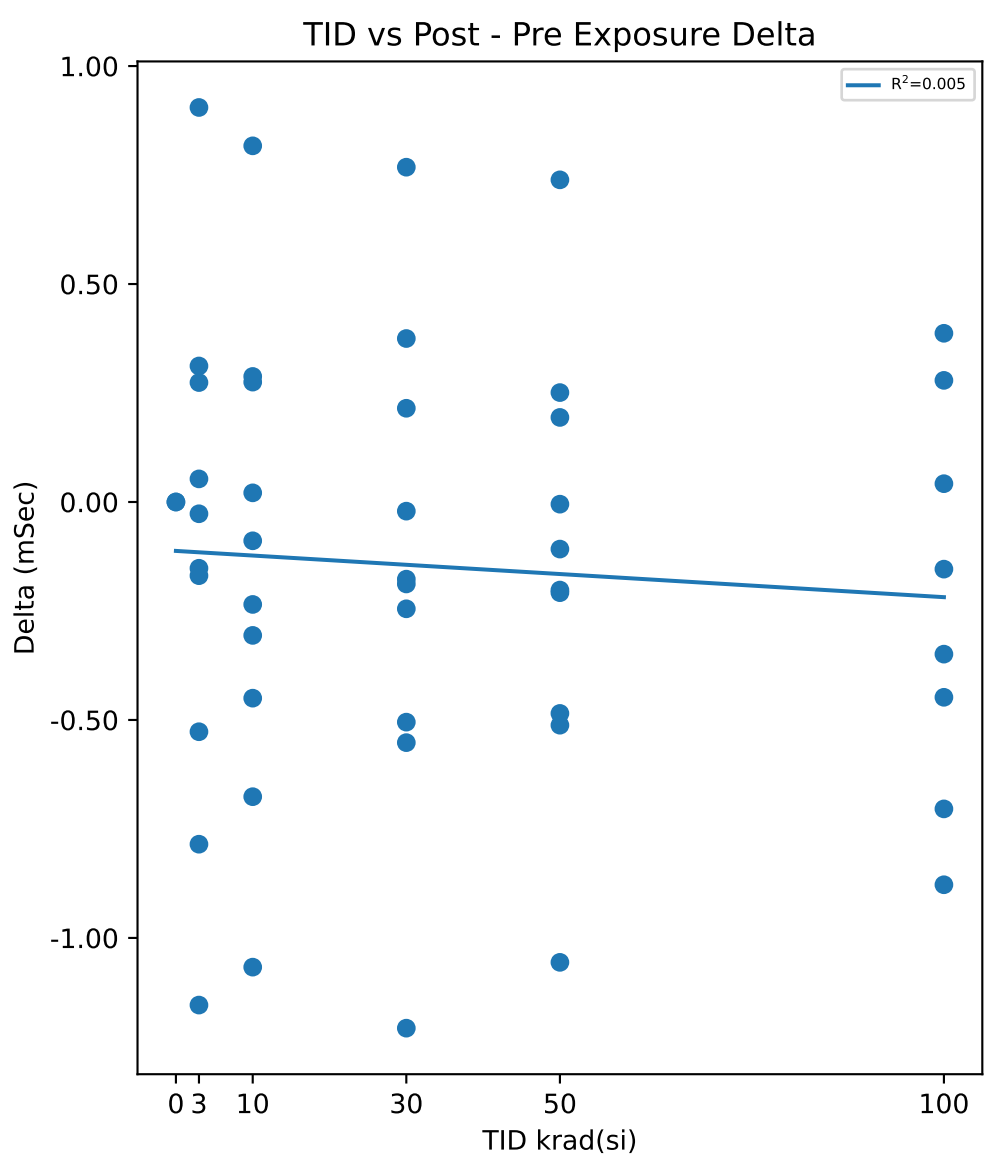
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 22.866 | 22.866 | 0 |
| 7 | 0 | Correlation | 23.177 | 23.177 | 0 |
| 16 | 3 | LDR-Biased | 23.329 | 23.451 | 0.122 |
| 18 | 3 | LDR-Biased | 23.18 | 23.434 | 0.254 |
| 19 | 3 | LDR-Biased | 23.523 | 22.805 | -0.718 |
| 20 | 3 | LDR-Biased | 23.288 | 22.912 | -0.376 |
| 21 | 3 | LDR-Biased | 23.613 | 23.44 | -0.173 |
| 22 | 3 | LDR-Unbiased | 23.524 | 23.659 | 0.135 |
| 23 | 3 | LDR-Unbiased | 23.71 | 23.073 | -0.637 |
| 25 | 3 | LDR-Unbiased | 23.474 | 23.596 | 0.122 |
| 26 | 3 | LDR-Unbiased | 22.847 | 24.036 | 1.189 |
| 27 | 3 | LDR-Unbiased | 23.797 | 23.133 | -0.664 |
| 46 | 10 | LDR-Biased | 23.329 | 23.717 | 0.388 |
| 48 | 10 | LDR-Biased | 23.18 | 23.137 | -0.043 |
| 49 | 10 | LDR-Biased | 23.523 | 23.179 | -0.344 |
| 50 | 10 | LDR-Biased | 23.288 | 23.207 | -0.081 |
| 51 | 10 | LDR-Biased | 23.613 | 23.469 | -0.144 |
| 52 | 10 | LDR-Unbiased | 23.524 | 23.412 | -0.112 |
| 53 | 10 | LDR-Unbiased | 23.71 | 23.175 | -0.535 |
| 55 | 10 | LDR-Unbiased | 23.474 | 23.6 | 0.126 |
| 56 | 10 | LDR-Unbiased | 22.847 | 23.938 | 1.091 |
| 57 | 10 | LDR-Unbiased | 23.797 | 22.856 | -0.941 |
| 76 | 30 | LDR-Biased | 23.329 | 23.838 | 0.509 |
| 78 | 30 | LDR-Biased | 23.18 | 23.376 | 0.196 |
| 79 | 30 | LDR-Biased | 23.523 | 22.856 | -0.667 |
| 80 | 30 | LDR-Biased | 23.288 | 23.216 | -0.072 |
| 81 | 30 | LDR-Biased | 23.613 | 23.333 | -0.28 |
| 82 | 30 | LDR-Unbiased | 23.524 | 23.266 | -0.258 |
| 83 | 30 | LDR-Unbiased | 23.71 | 22.903 | -0.807 |
| 84 | 30 | LDR-Unbiased | 23.797 | 23.021 | -0.776 |
| 85 | 30 | LDR-Unbiased | 23.474 | 23.716 | 0.242 |
| 86 | 30 | LDR-Unbiased | 22.847 | 23.83 | 0.983 |
| 87 | 100 | LDR-Biased | 23.745 | 23.451 | -0.294 |
| 88 | 100 | LDR-Biased | 23.323 | 22.86 | -0.463 |
| 90 | 100 | LDR-Biased | 23.219 | 23.189 | -0.03 |
| 91 | 100 | LDR-Unbiased | 23.526 | 24.127 | 0.601 |
| 93 | 100 | LDR-Unbiased | 23.626 | 22.687 | -0.939 |
| 94 | 100 | LDR-Unbiased | 23.286 | 23.477 | 0.191 |
| 95 | 100 | LDR-Unbiased | 23.391 | 23.492 | 0.101 |
| 96 | 100 | LDR-Unbiased | 23.821 | 23.045 | -0.776 |
| 106 | 50 | LDR-Biased | 23.329 | 23.483 | 0.154 |
| 108 | 50 | LDR-Biased | 23.18 | 23.237 | 0.057 |
| 109 | 50 | LDR-Biased | 23.523 | 22.825 | -0.698 |
| 110 | 50 | LDR-Biased | 23.288 | 22.948 | -0.34 |
| 111 | 50 | LDR-Biased | 23.613 | 23.127 | -0.486 |
| 112 | 50 | LDR-Unbiased | 23.524 | 23.12 | -0.404 |
| 113 | 50 | LDR-Unbiased | 23.71 | 23.239 | -0.471 |
| 115 | 50 | LDR-Unbiased | 23.474 | 23.671 | 0.197 |
| 116 | 50 | LDR-Unbiased | 22.847 | 23.776 | 0.929 |
| 117 | 50 | LDR-Unbiased | 23.797 | 23.063 | -0.734 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 22.866 | 23.021 | 23.177 | 0.21991 | 22.866 | 23.021 | 23.177 | 0.21991 | 0 | 0 | 0 | 0 |
| 3 | 22.847 | 23.428 | 23.797 | 0.27863 | 22.805 | 23.354 | 24.036 | 0.37483 | -0.718 | -0.0746 | 1.189 | 0.57774 |
| 10 | 22.847 | 23.428 | 23.797 | 0.27863 | 22.856 | 23.369 | 23.938 | 0.32094 | -0.941 | -0.0595 | 1.091 | 0.54294 |
| 30 | 22.847 | 23.428 | 23.797 | 0.27863 | 22.856 | 23.335 | 23.838 | 0.36186 | -0.807 | -0.093 | 0.983 | 0.58541 |
| 50 | 22.847 | 23.428 | 23.797 | 0.27863 | 22.825 | 23.249 | 23.776 | 0.30683 | -0.734 | -0.1796 | 0.929 | 0.51306 |
| 100 | 23.219 | 23.492 | 23.821 | 0.22267 | 22.687 | 23.291 | 24.127 | 0.45055 | -0.939 | -0.20113 | 0.601 | 0.51684 |

# Device Test: 4.45 treg_Res1p18M_SENSE2/SENSE2/7/14/0/1.18M/0/@REG_TIME_1MOHM



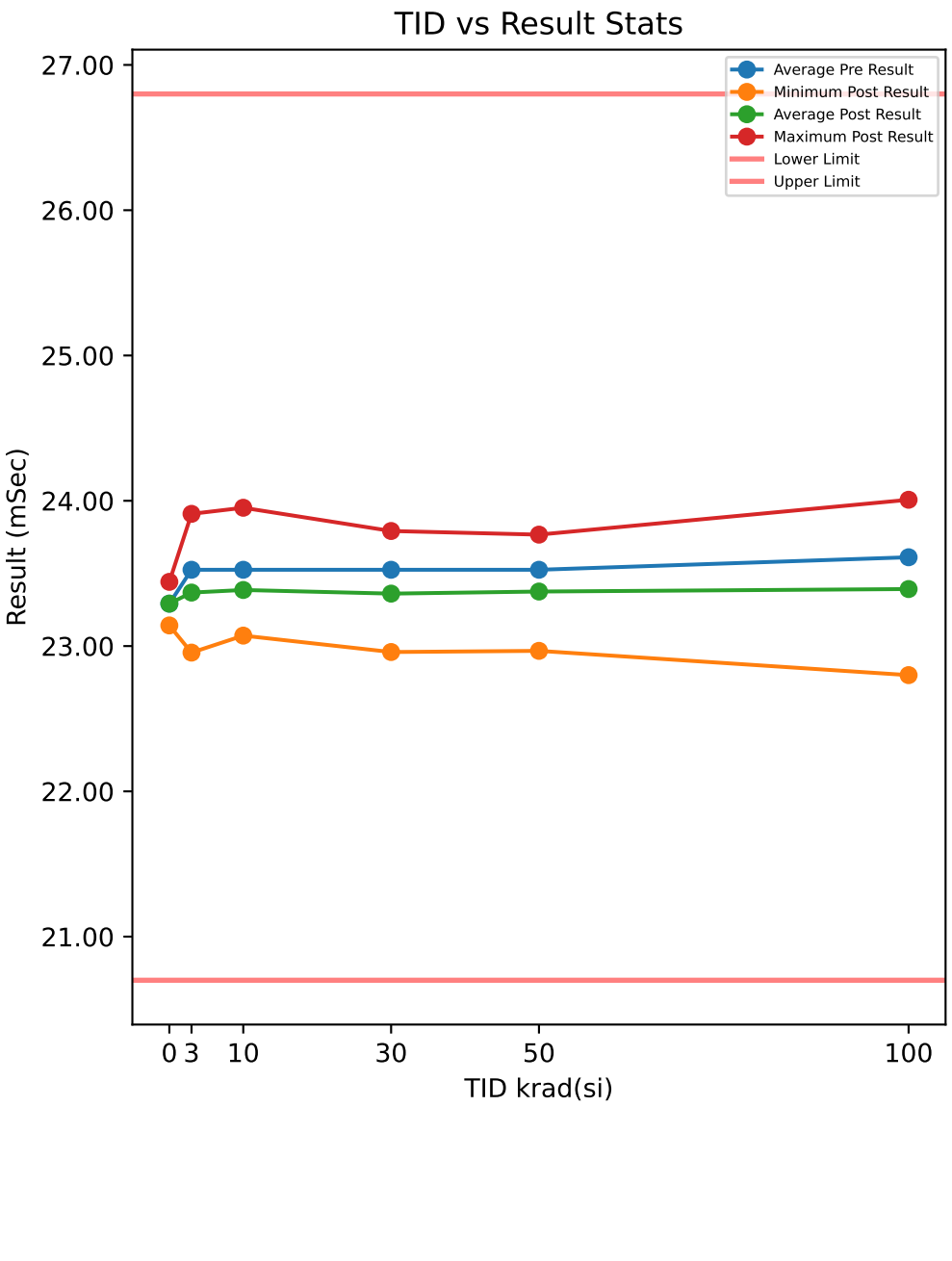

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

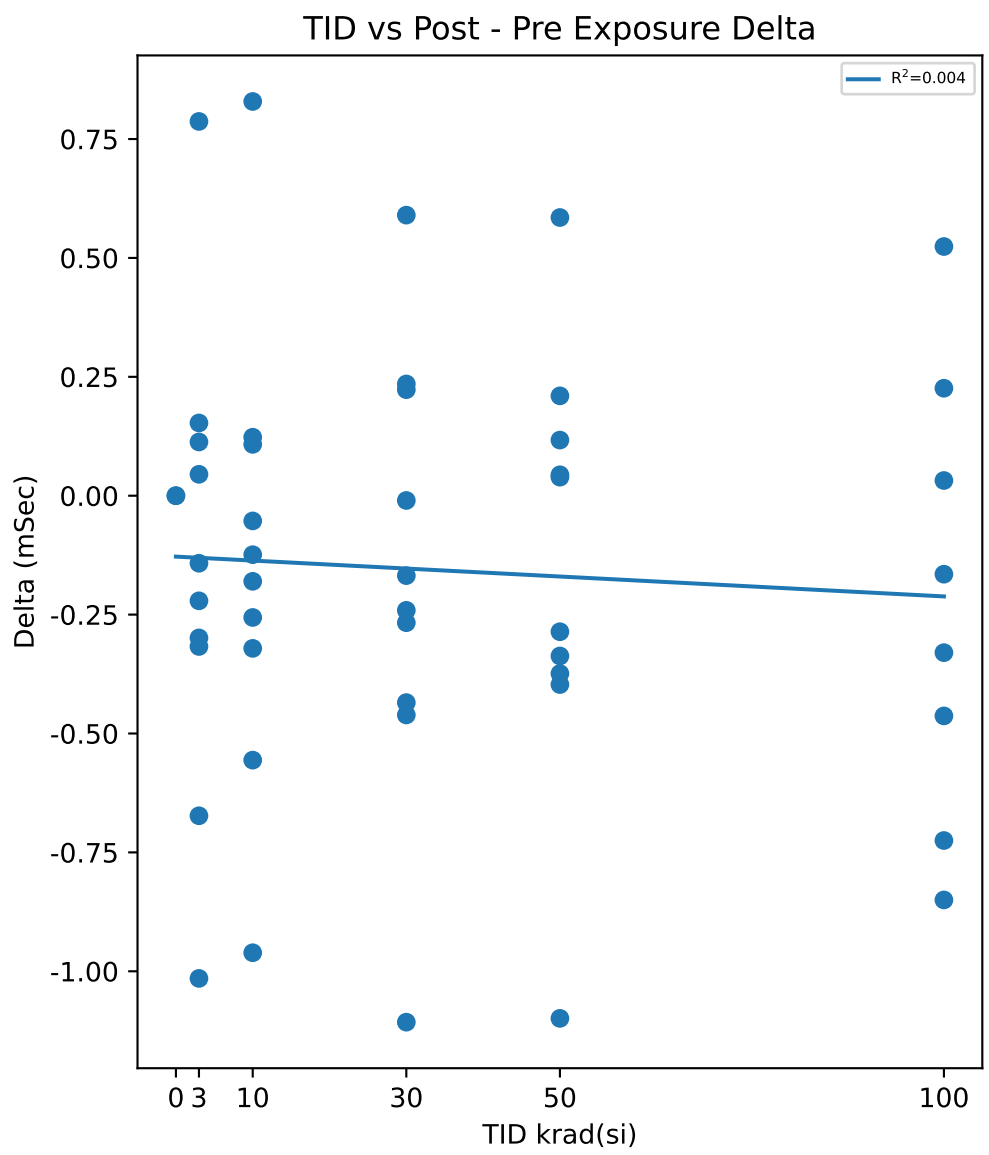
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.075 | 23.075 | 0 |
| 7 | 0 | Correlation | 23.365 | 23.365 | 0 |
| 16 | 3 | LDR-Biased | 23.48 | 23.792 | 0.312 |
| 18 | 3 | LDR-Biased | 23.401 | 23.454 | 0.053 |
| 19 | 3 | LDR-Biased | 23.541 | 23.014 | -0.527 |
| 20 | 3 | LDR-Biased | 23.313 | 23.161 | -0.152 |
| 21 | 3 | LDR-Biased | 23.604 | 23.435 | -0.169 |
| 22 | 3 | LDR-Unbiased | 23.678 | 23.651 | -0.027 |
| 23 | 3 | LDR-Unbiased | 23.719 | 22.934 | -0.785 |
| 25 | 3 | LDR-Unbiased | 23.324 | 23.598 | 0.274 |
| 26 | 3 | LDR-Unbiased | 23.065 | 23.97 | 0.905 |
| 27 | 3 | LDR-Unbiased | 24.145 | 22.991 | -1.154 |
| 46 | 10 | LDR-Biased | 23.48 | 23.755 | 0.275 |
| 48 | 10 | LDR-Biased | 23.401 | 23.422 | 0.021 |
| 49 | 10 | LDR-Biased | 23.541 | 23.091 | -0.45 |
| 50 | 10 | LDR-Biased | 23.313 | 23.078 | -0.235 |
| 51 | 10 | LDR-Biased | 23.604 | 23.298 | -0.306 |
| 52 | 10 | LDR-Unbiased | 23.678 | 23.589 | -0.089 |
| 53 | 10 | LDR-Unbiased | 23.719 | 23.043 | -0.676 |
| 55 | 10 | LDR-Unbiased | 23.324 | 23.612 | 0.288 |
| 56 | 10 | LDR-Unbiased | 23.065 | 23.882 | 0.817 |
| 57 | 10 | LDR-Unbiased | 24.145 | 23.078 | -1.067 |
| 76 | 30 | LDR-Biased | 23.48 | 23.695 | 0.215 |
| 78 | 30 | LDR-Biased | 23.401 | 23.38 | -0.021 |
| 79 | 30 | LDR-Biased | 23.541 | 23.036 | -0.505 |
| 80 | 30 | LDR-Biased | 23.313 | 23.136 | -0.177 |
| 81 | 30 | LDR-Biased | 23.604 | 23.359 | -0.245 |
| 82 | 30 | LDR-Unbiased | 23.678 | 23.49 | -0.188 |
| 83 | 30 | LDR-Unbiased | 23.719 | 23.167 | -0.552 |
| 84 | 30 | LDR-Unbiased | 24.145 | 22.938 | -1.207 |
| 85 | 30 | LDR-Unbiased | 23.324 | 23.699 | 0.375 |
| 86 | 30 | LDR-Unbiased | 23.065 | 23.833 | 0.768 |
| 87 | 100 | LDR-Biased | 23.77 | 23.812 | 0.042 |
| 88 | 100 | LDR-Biased | 23.516 | 23.068 | -0.448 |
| 90 | 100 | LDR-Biased | 23.402 | 23.053 | -0.349 |
| 91 | 100 | LDR-Unbiased | 23.684 | 24.071 | 0.387 |
| 93 | 100 | LDR-Unbiased | 23.619 | 22.915 | -0.704 |
| 94 | 100 | LDR-Unbiased | 23.507 | 23.353 | -0.154 |
| 95 | 100 | LDR-Unbiased | 23.402 | 23.681 | 0.279 |
| 96 | 100 | LDR-Unbiased | 24.108 | 23.23 | -0.878 |
| 106 | 50 | LDR-Biased | 23.48 | 23.674 | 0.194 |
| 108 | 50 | LDR-Biased | 23.401 | 23.396 | -0.005 |
| 109 | 50 | LDR-Biased | 23.541 | 23.029 | -0.512 |
| 110 | 50 | LDR-Biased | 23.313 | 23.205 | -0.108 |
| 111 | 50 | LDR-Biased | 23.604 | 23.402 | -0.202 |
| 112 | 50 | LDR-Unbiased | 23.678 | 23.47 | -0.208 |
| 113 | 50 | LDR-Unbiased | 23.719 | 23.234 | -0.485 |
| 115 | 50 | LDR-Unbiased | 23.324 | 23.575 | 0.251 |
| 116 | 50 | LDR-Unbiased | 23.065 | 23.804 | 0.739 |
| 117 | 50 | LDR-Unbiased | 24.145 | 23.089 | -1.056 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.075 | 23.22 | 23.365 | 0.20506 | 23.075 | 23.22 | 23.365 | 0.20506 | 0 | 0 | 0 | 0 |
| 3 | 23.065 | 23.527 | 24.145 | 0.29179 | 22.934 | 23.4 | 23.97 | 0.3614 | -1.154 | -0.127 | 0.905 | 0.58794 |
| 10 | 23.065 | 23.527 | 24.145 | 0.29179 | 23.043 | 23.385 | 23.882 | 0.31232 | -1.067 | -0.1422 | 0.817 | 0.53531 |
| 30 | 23.065 | 23.527 | 24.145 | 0.29179 | 22.938 | 23.373 | 23.833 | 0.30494 | -1.207 | -0.1537 | 0.768 | 0.54611 |
| 50 | 23.065 | 23.527 | 24.145 | 0.29179 | 23.029 | 23.388 | 23.804 | 0.25217 | -1.056 | -0.1392 | 0.739 | 0.49004 |
| 100 | 23.402 | 23.626 | 24.108 | 0.23394 | 22.915 | 23.398 | 24.071 | 0.41333 | -0.878 | -0.22812 | 0.387 | 0.45131 |

# Device Test: 4.46 treg_Res1p18M_SENSE3/SENSE3/7/14/0/1.18M/0/@REG_TIME_1MOHM



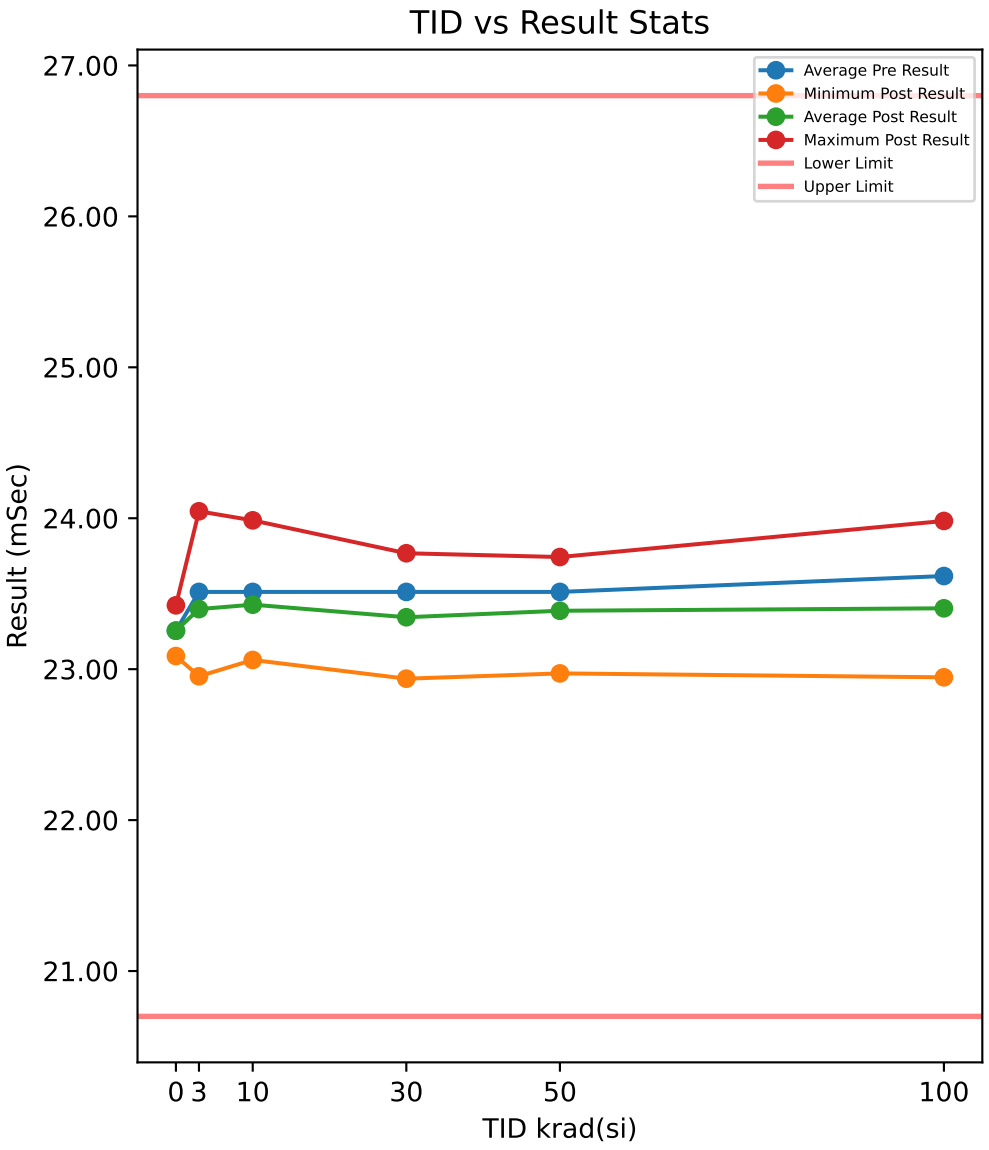

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

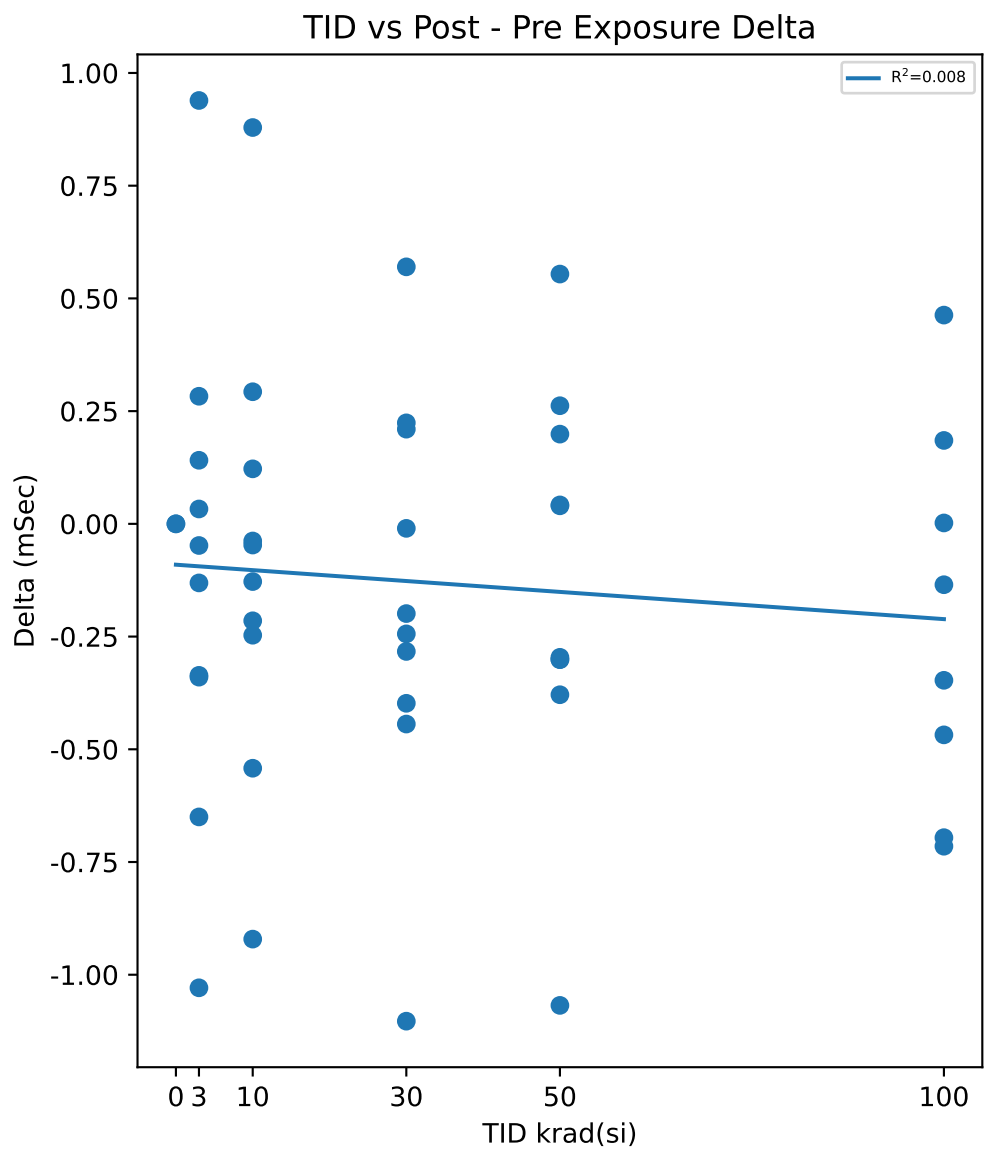
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.142 | 23.142 | 0 |
| 7 | 0 | Correlation | 23.442 | 23.442 | 0 |
| 16 | 3 | LDR-Biased | 23.557 | 23.71 | 0.153 |
| 18 | 3 | LDR-Biased | 23.48 | 23.338 | -0.142 |
| 19 | 3 | LDR-Biased | 23.362 | 23.063 | -0.299 |
| 20 | 3 | LDR-Biased | 23.187 | 23.232 | 0.045 |
| 21 | 3 | LDR-Biased | 23.684 | 23.367 | -0.317 |
| 22 | 3 | LDR-Unbiased | 23.774 | 23.553 | -0.221 |
| 23 | 3 | LDR-Unbiased | 23.628 | 22.955 | -0.673 |
| 25 | 3 | LDR-Unbiased | 23.39 | 23.503 | 0.113 |
| 26 | 3 | LDR-Unbiased | 23.123 | 23.91 | 0.787 |
| 27 | 3 | LDR-Unbiased | 24.066 | 23.051 | -1.015 |
| 46 | 10 | LDR-Biased | 23.557 | 23.665 | 0.108 |
| 48 | 10 | LDR-Biased | 23.48 | 23.3 | -0.18 |
| 49 | 10 | LDR-Biased | 23.362 | 23.106 | -0.256 |
| 50 | 10 | LDR-Biased | 23.187 | 23.134 | -0.053 |
| 51 | 10 | LDR-Biased | 23.684 | 23.363 | -0.321 |
| 52 | 10 | LDR-Unbiased | 23.774 | 23.65 | -0.124 |
| 53 | 10 | LDR-Unbiased | 23.628 | 23.072 | -0.556 |
| 55 | 10 | LDR-Unbiased | 23.39 | 23.513 | 0.123 |
| 56 | 10 | LDR-Unbiased | 23.123 | 23.952 | 0.829 |
| 57 | 10 | LDR-Unbiased | 24.066 | 23.105 | -0.961 |
| 76 | 30 | LDR-Biased | 23.557 | 23.792 | 0.235 |
| 78 | 30 | LDR-Biased | 23.48 | 23.312 | -0.168 |
| 79 | 30 | LDR-Biased | 23.362 | 23.095 | -0.267 |
| 80 | 30 | LDR-Biased | 23.187 | 23.177 | -0.01 |
| 81 | 30 | LDR-Biased | 23.684 | 23.223 | -0.461 |
| 82 | 30 | LDR-Unbiased | 23.774 | 23.533 | -0.241 |
| 83 | 30 | LDR-Unbiased | 23.628 | 23.193 | -0.435 |
| 84 | 30 | LDR-Unbiased | 24.066 | 22.959 | -1.107 |
| 85 | 30 | LDR-Unbiased | 23.39 | 23.613 | 0.223 |
| 86 | 30 | LDR-Unbiased | 23.123 | 23.713 | 0.59 |
| 87 | 100 | LDR-Biased | 23.679 | 23.711 | 0.032 |
| 88 | 100 | LDR-Biased | 23.597 | 23.134 | -0.463 |
| 90 | 100 | LDR-Biased | 23.462 | 23.132 | -0.33 |
| 91 | 100 | LDR-Unbiased | 23.781 | 24.007 | 0.226 |
| 93 | 100 | LDR-Unbiased | 23.525 | 22.8 | -0.725 |
| 94 | 100 | LDR-Unbiased | 23.598 | 23.433 | -0.165 |
| 95 | 100 | LDR-Unbiased | 23.245 | 23.769 | 0.524 |
| 96 | 100 | LDR-Unbiased | 24.003 | 23.153 | -0.85 |
| 106 | 50 | LDR-Biased | 23.557 | 23.767 | 0.21 |
| 108 | 50 | LDR-Biased | 23.48 | 23.519 | 0.039 |
| 109 | 50 | LDR-Biased | 23.362 | 23.076 | -0.286 |
| 110 | 50 | LDR-Biased | 23.187 | 23.231 | 0.044 |
| 111 | 50 | LDR-Biased | 23.684 | 23.287 | -0.397 |
| 112 | 50 | LDR-Unbiased | 23.774 | 23.4 | -0.374 |
| 113 | 50 | LDR-Unbiased | 23.628 | 23.291 | -0.337 |
| 115 | 50 | LDR-Unbiased | 23.39 | 23.507 | 0.117 |
| 116 | 50 | LDR-Unbiased | 23.123 | 23.708 | 0.585 |
| 117 | 50 | LDR-Unbiased | 24.066 | 22.967 | -1.099 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.142 | 23.292 | 23.442 | 0.21213 | 23.142 | 23.292 | 23.442 | 0.21213 | 0 | 0 | 0 | 0 |
| 3 | 23.123 | 23.525 | 24.066 | 0.28171 | 22.955 | 23.368 | 23.91 | 0.30671 | -1.015 | -0.1569 | 0.787 | 0.48915 |
| 10 | 23.123 | 23.525 | 24.066 | 0.28171 | 23.072 | 23.386 | 23.952 | 0.30026 | -0.961 | -0.1391 | 0.829 | 0.46814 |
| 30 | 23.123 | 23.525 | 24.066 | 0.28171 | 22.959 | 23.361 | 23.792 | 0.28258 | -1.107 | -0.1641 | 0.59 | 0.4677 |
| 50 | 23.123 | 23.525 | 24.066 | 0.28171 | 22.967 | 23.375 | 23.767 | 0.25706 | -1.099 | -0.1498 | 0.585 | 0.45701 |
| 100 | 23.245 | 23.611 | 24.003 | 0.22396 | 22.8 | 23.392 | 24.007 | 0.40805 | -0.85 | -0.21887 | 0.524 | 0.46935 |

# Device Test: 4.47 treg_Res1p18M_SENSE4/SENSE4/7/14/0/1.18M/0/@REG_TIME_1MOHM



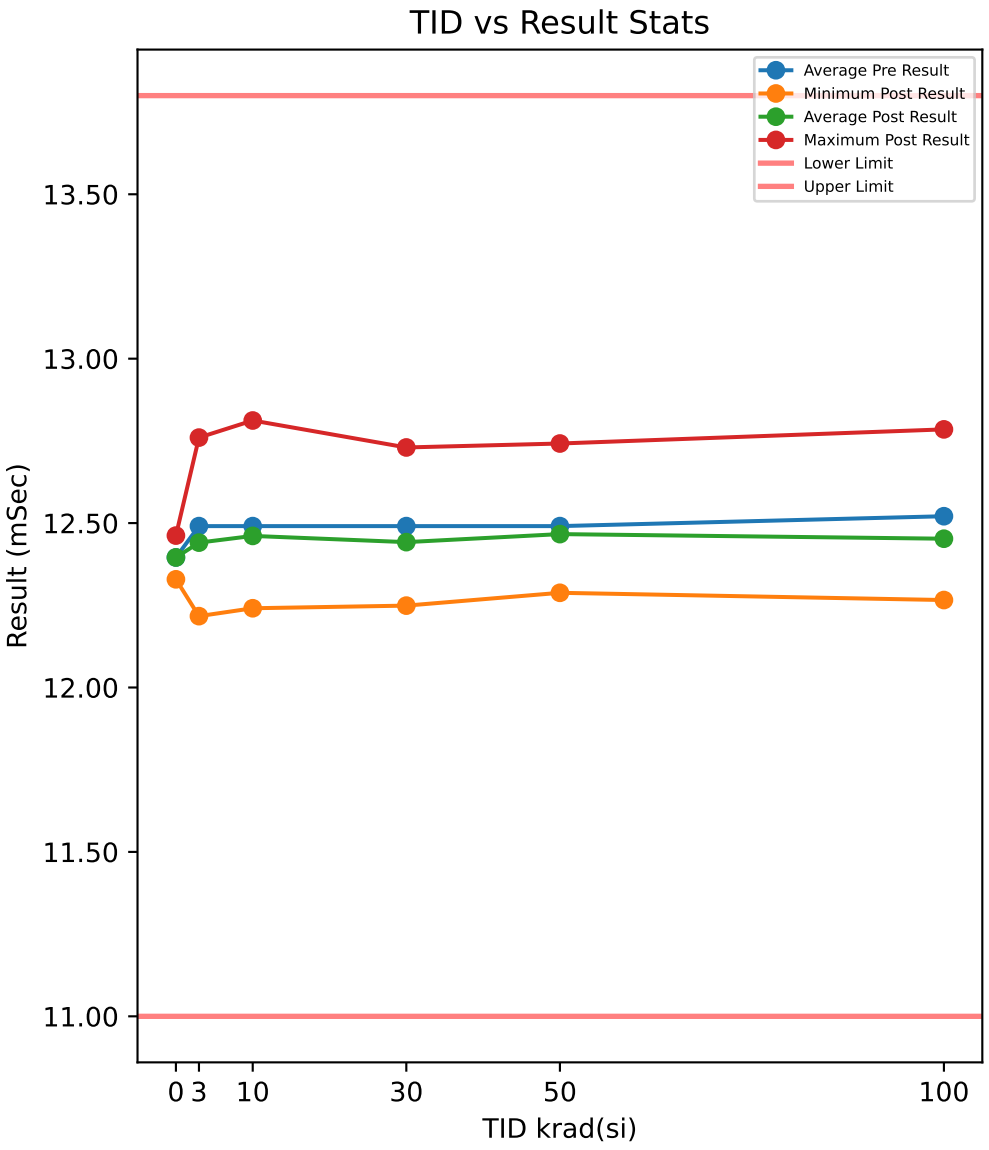

Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

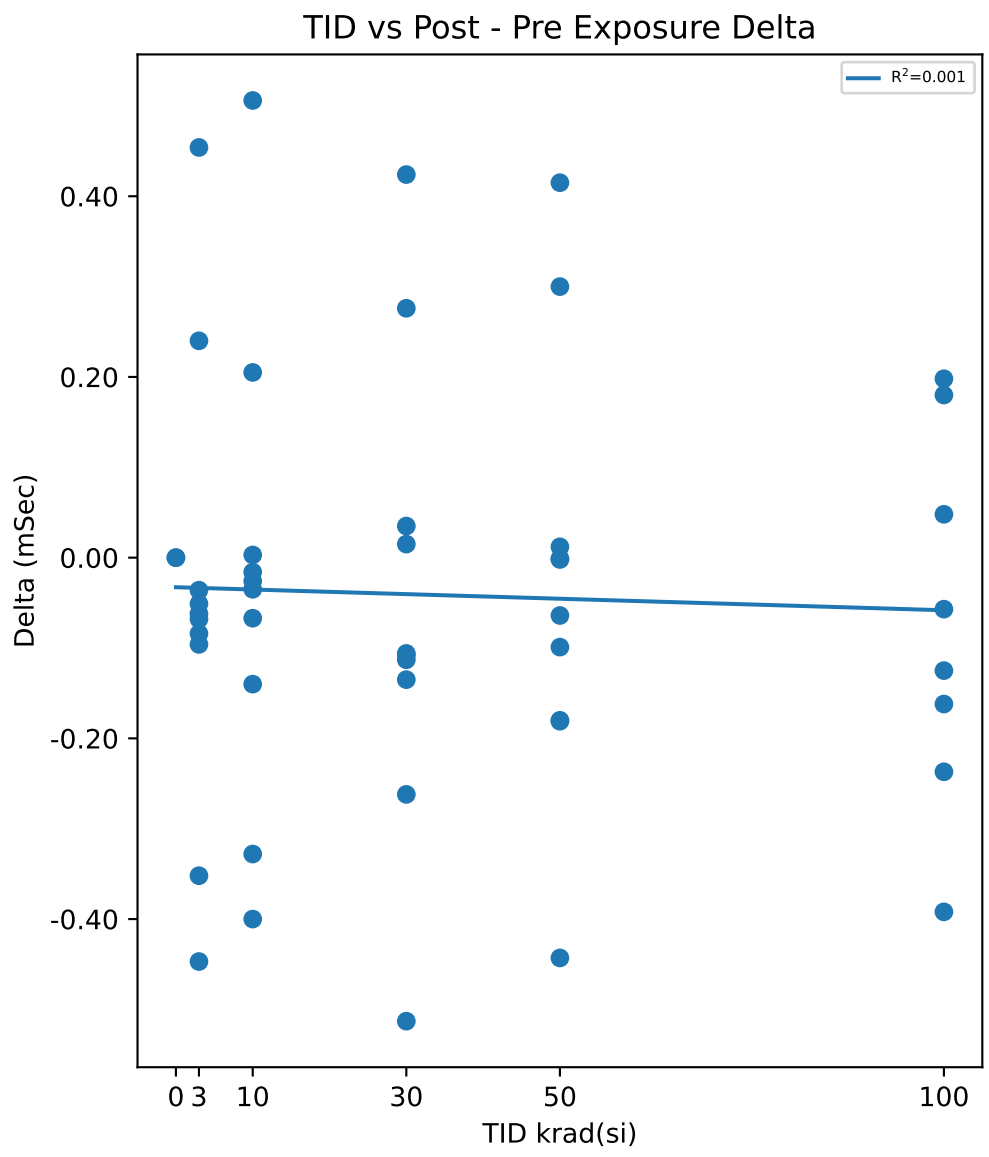
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.087 | 23.087 | 0 |
| 7 | 0 | Correlation | 23.423 | 23.423 | 0 |
| 16 | 3 | LDR-Biased | 23.544 | 23.685 | 0.141 |
| 18 | 3 | LDR-Biased | 23.454 | 23.323 | -0.131 |
| 19 | 3 | LDR-Biased | 23.379 | 23.039 | -0.34 |
| 20 | 3 | LDR-Biased | 23.176 | 23.209 | 0.033 |
| 21 | 3 | LDR-Biased | 23.68 | 23.344 | -0.336 |
| 22 | 3 | LDR-Unbiased | 23.754 | 23.706 | -0.048 |
| 23 | 3 | LDR-Unbiased | 23.603 | 22.953 | -0.65 |
| 25 | 3 | LDR-Unbiased | 23.381 | 23.664 | 0.283 |
| 26 | 3 | LDR-Unbiased | 23.107 | 24.046 | 0.939 |
| 27 | 3 | LDR-Unbiased | 24.04 | 23.011 | -1.029 |
| 46 | 10 | LDR-Biased | 23.544 | 23.666 | 0.122 |
| 48 | 10 | LDR-Biased | 23.454 | 23.416 | -0.038 |
| 49 | 10 | LDR-Biased | 23.379 | 23.132 | -0.247 |
| 50 | 10 | LDR-Biased | 23.176 | 23.129 | -0.047 |
| 51 | 10 | LDR-Biased | 23.68 | 23.465 | -0.215 |
| 52 | 10 | LDR-Unbiased | 23.754 | 23.626 | -0.128 |
| 53 | 10 | LDR-Unbiased | 23.603 | 23.061 | -0.542 |
| 55 | 10 | LDR-Unbiased | 23.381 | 23.674 | 0.293 |
| 56 | 10 | LDR-Unbiased | 23.107 | 23.986 | 0.879 |
| 57 | 10 | LDR-Unbiased | 24.04 | 23.119 | -0.921 |
| 76 | 30 | LDR-Biased | 23.544 | 23.768 | 0.224 |
| 78 | 30 | LDR-Biased | 23.454 | 23.255 | -0.199 |
| 79 | 30 | LDR-Biased | 23.379 | 23.096 | -0.283 |
| 80 | 30 | LDR-Biased | 23.176 | 23.166 | -0.01 |
| 81 | 30 | LDR-Biased | 23.68 | 23.236 | -0.444 |
| 82 | 30 | LDR-Unbiased | 23.754 | 23.51 | -0.244 |
| 83 | 30 | LDR-Unbiased | 23.603 | 23.205 | -0.398 |
| 84 | 30 | LDR-Unbiased | 24.04 | 22.937 | -1.103 |
| 85 | 30 | LDR-Unbiased | 23.381 | 23.591 | 0.21 |
| 86 | 30 | LDR-Unbiased | 23.107 | 23.677 | 0.57 |
| 87 | 100 | LDR-Biased | 23.656 | 23.658 | 0.002 |
| 88 | 100 | LDR-Biased | 23.556 | 23.088 | -0.468 |
| 90 | 100 | LDR-Biased | 23.458 | 23.111 | -0.347 |
| 91 | 100 | LDR-Unbiased | 23.797 | 23.982 | 0.185 |
| 93 | 100 | LDR-Unbiased | 23.642 | 22.946 | -0.696 |
| 94 | 100 | LDR-Unbiased | 23.534 | 23.399 | -0.135 |
| 95 | 100 | LDR-Unbiased | 23.265 | 23.728 | 0.463 |
| 96 | 100 | LDR-Unbiased | 24.029 | 23.314 | -0.715 |
| 106 | 50 | LDR-Biased | 23.544 | 23.743 | 0.199 |
| 108 | 50 | LDR-Biased | 23.454 | 23.494 | 0.04 |
| 109 | 50 | LDR-Biased | 23.379 | 23.083 | -0.296 |
| 110 | 50 | LDR-Biased | 23.176 | 23.218 | 0.042 |
| 111 | 50 | LDR-Biased | 23.68 | 23.379 | -0.301 |
| 112 | 50 | LDR-Unbiased | 23.754 | 23.375 | -0.379 |
| 113 | 50 | LDR-Unbiased | 23.603 | 23.302 | -0.301 |
| 115 | 50 | LDR-Unbiased | 23.381 | 23.643 | 0.262 |
| 116 | 50 | LDR-Unbiased | 23.107 | 23.661 | 0.554 |
| 117 | 50 | LDR-Unbiased | 24.04 | 22.972 | -1.068 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.087 | 23.255 | 23.423 | 0.23759 | 23.087 | 23.255 | 23.423 | 0.23759 | 0 | 0 | 0 | 0 |
| 3 | 23.107 | 23.512 | 24.04 | 0.27689 | 22.953 | 23.398 | 24.046 | 0.36344 | -1.029 | -0.1138 | 0.939 | 0.53568 |
| 10 | 23.107 | 23.512 | 24.04 | 0.27689 | 23.061 | 23.427 | 23.986 | 0.31206 | -0.921 | -0.0844 | 0.879 | 0.47975 |
| 30 | 23.107 | 23.512 | 24.04 | 0.27689 | 22.937 | 23.344 | 23.768 | 0.27426 | -1.103 | -0.1677 | 0.57 | 0.45819 |
| 50 | 23.107 | 23.512 | 24.04 | 0.27689 | 22.972 | 23.387 | 23.743 | 0.25373 | -1.068 | -0.1248 | 0.554 | 0.44918 |
| 100 | 23.265 | 23.617 | 24.029 | 0.22806 | 22.946 | 23.403 | 23.982 | 0.35999 | -0.715 | -0.21387 | 0.463 | 0.4202 |

# Device Test: 4.5 treg_Res619K_SENSE2/SENSE2/1.6/3/0/619K/0/@REG_TIME_500KOHM



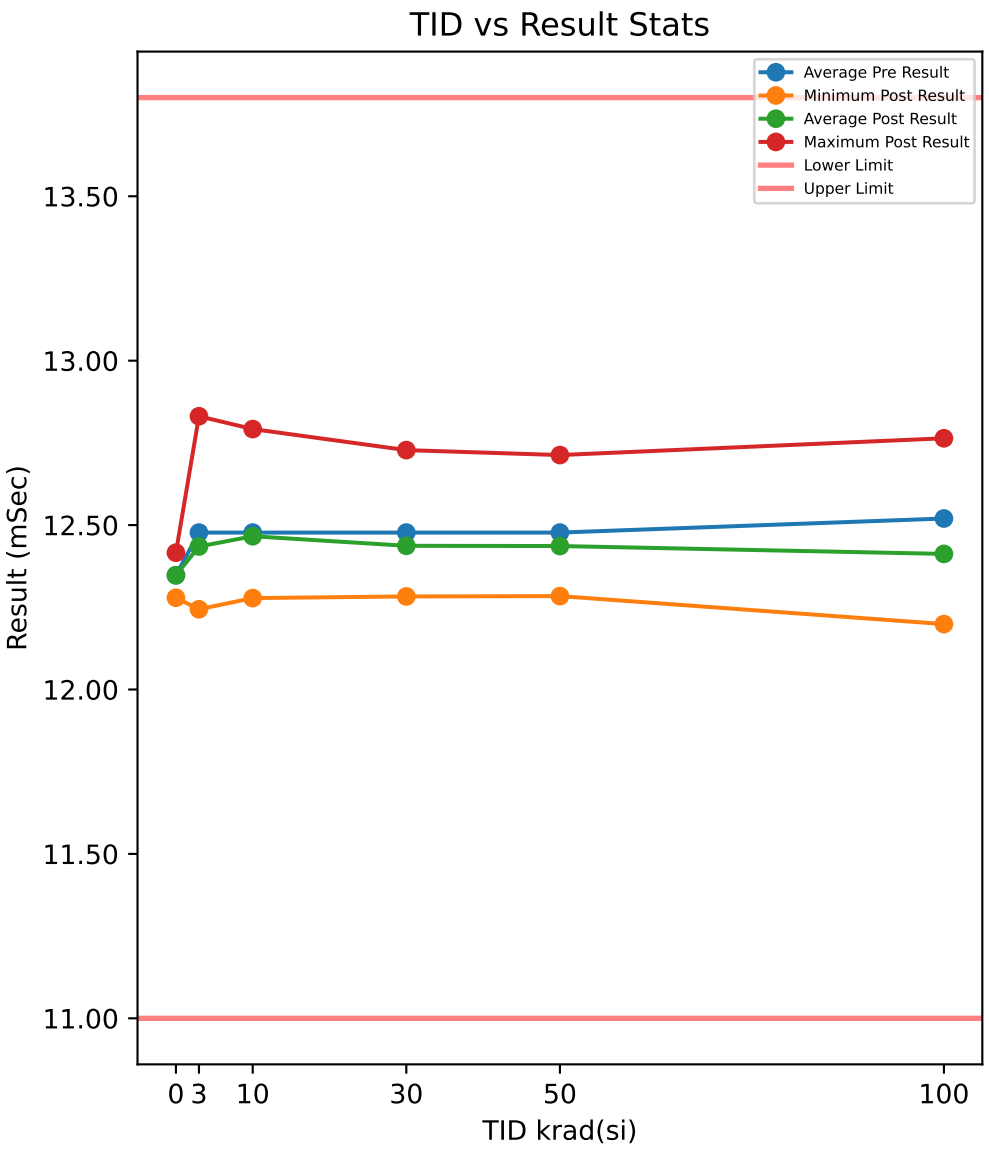

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

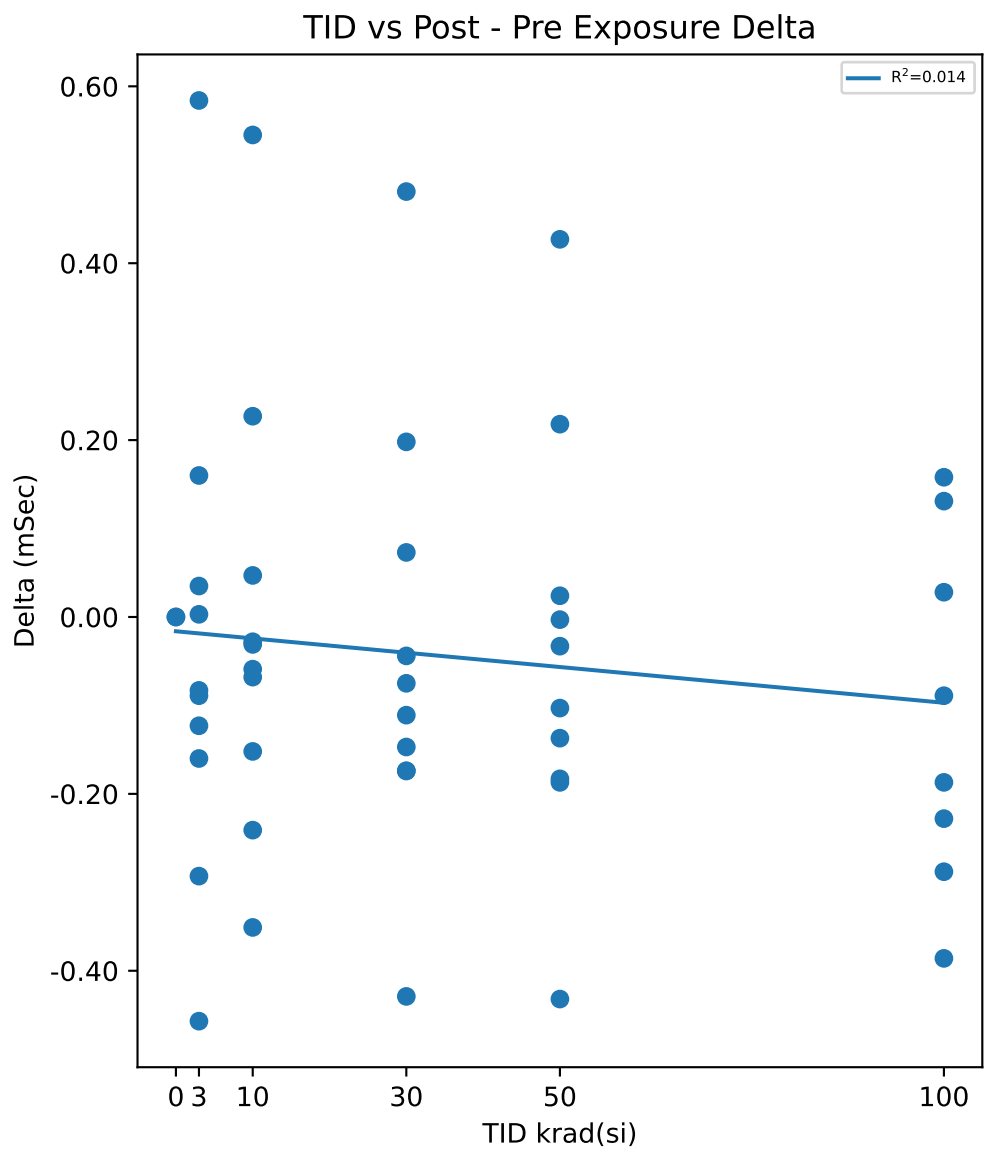
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.329 | 12.329 | 0 |
| 7 | 0 | Correlation | 12.462 | 12.462 | 0 |
| 16 | 3 | LDR-Biased | 12.442 | 12.682 | 0.24 |
| 18 | 3 | LDR-Biased | 12.497 | 12.446 | -0.051 |
| 19 | 3 | LDR-Biased | 12.352 | 12.316 | -0.036 |
| 20 | 3 | LDR-Biased | 12.397 | 12.301 | -0.096 |
| 21 | 3 | LDR-Biased | 12.521 | 12.459 | -0.062 |
| 22 | 3 | LDR-Unbiased | 12.588 | 12.504 | -0.084 |
| 23 | 3 | LDR-Unbiased | 12.569 | 12.217 | -0.352 |
| 25 | 3 | LDR-Unbiased | 12.474 | 12.406 | -0.068 |
| 26 | 3 | LDR-Unbiased | 12.306 | 12.76 | 0.454 |
| 27 | 3 | LDR-Unbiased | 12.762 | 12.315 | -0.447 |
| 46 | 10 | LDR-Biased | 12.442 | 12.647 | 0.205 |
| 48 | 10 | LDR-Biased | 12.497 | 12.43 | -0.067 |
| 49 | 10 | LDR-Biased | 12.352 | 12.336 | -0.016 |
| 50 | 10 | LDR-Biased | 12.397 | 12.371 | -0.026 |
| 51 | 10 | LDR-Biased | 12.521 | 12.486 | -0.035 |
| 52 | 10 | LDR-Unbiased | 12.588 | 12.448 | -0.14 |
| 53 | 10 | LDR-Unbiased | 12.569 | 12.241 | -0.328 |
| 55 | 10 | LDR-Unbiased | 12.474 | 12.477 | 0.003 |
| 56 | 10 | LDR-Unbiased | 12.306 | 12.812 | 0.506 |
| 57 | 10 | LDR-Unbiased | 12.762 | 12.362 | -0.4 |
| 76 | 30 | LDR-Biased | 12.442 | 12.718 | 0.276 |
| 78 | 30 | LDR-Biased | 12.497 | 12.391 | -0.106 |
| 79 | 30 | LDR-Biased | 12.352 | 12.367 | 0.015 |
| 80 | 30 | LDR-Biased | 12.397 | 12.284 | -0.113 |
| 81 | 30 | LDR-Biased | 12.521 | 12.386 | -0.135 |
| 82 | 30 | LDR-Unbiased | 12.588 | 12.48 | -0.108 |
| 83 | 30 | LDR-Unbiased | 12.569 | 12.307 | -0.262 |
| 84 | 30 | LDR-Unbiased | 12.762 | 12.249 | -0.513 |
| 85 | 30 | LDR-Unbiased | 12.474 | 12.509 | 0.035 |
| 86 | 30 | LDR-Unbiased | 12.306 | 12.73 | 0.424 |
| 87 | 100 | LDR-Biased | 12.546 | 12.594 | 0.048 |
| 88 | 100 | LDR-Biased | 12.446 | 12.321 | -0.125 |
| 90 | 100 | LDR-Biased | 12.492 | 12.33 | -0.162 |
| 91 | 100 | LDR-Unbiased | 12.587 | 12.785 | 0.198 |
| 93 | 100 | LDR-Unbiased | 12.503 | 12.266 | -0.237 |
| 94 | 100 | LDR-Unbiased | 12.512 | 12.455 | -0.057 |
| 95 | 100 | LDR-Unbiased | 12.327 | 12.507 | 0.18 |
| 96 | 100 | LDR-Unbiased | 12.754 | 12.362 | -0.392 |
| 106 | 50 | LDR-Biased | 12.442 | 12.742 | 0.3 |
| 108 | 50 | LDR-Biased | 12.497 | 12.495 | -0.002 |
| 109 | 50 | LDR-Biased | 12.352 | 12.288 | -0.064 |
| 110 | 50 | LDR-Biased | 12.397 | 12.396 | -0.001 |
| 111 | 50 | LDR-Biased | 12.521 | 12.422 | -0.099 |
| 112 | 50 | LDR-Unbiased | 12.588 | 12.407 | -0.181 |
| 113 | 50 | LDR-Unbiased | 12.569 | 12.389 | -0.18 |
| 115 | 50 | LDR-Unbiased | 12.474 | 12.486 | 0.012 |
| 116 | 50 | LDR-Unbiased | 12.306 | 12.721 | 0.415 |
| 117 | 50 | LDR-Unbiased | 12.762 | 12.319 | -0.443 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.329 | 12.396 | 12.462 | 0.094045 | 12.329 | 12.396 | 12.462 | 0.094045 | 0 | 0 | 0 | 0 |
| 3 | 12.306 | 12.491 | 12.762 | 0.13121 | 12.217 | 12.441 | 12.76 | 0.17213 | -0.447 | -0.0502 | 0.454 | 0.25623 |
| 10 | 12.306 | 12.491 | 12.762 | 0.13121 | 12.241 | 12.461 | 12.812 | 0.16389 | -0.4 | -0.0298 | 0.506 | 0.25452 |
| 30 | 12.306 | 12.491 | 12.762 | 0.13121 | 12.249 | 12.442 | 12.73 | 0.16894 | -0.513 | -0.0487 | 0.424 | 0.26234 |
| 50 | 12.306 | 12.491 | 12.762 | 0.13121 | 12.288 | 12.466 | 12.742 | 0.15347 | -0.443 | -0.0243 | 0.415 | 0.24308 |
| 100 | 12.327 | 12.521 | 12.754 | 0.12176 | 12.266 | 12.453 | 12.785 | 0.17272 | -0.392 | -0.068375 | 0.198 | 0.20405 |

# Device Test: 4.6 treg_Res619K_SENSE3/SENSE3/1.6/3/0/619K/0/@REG_TIME_500KOHM



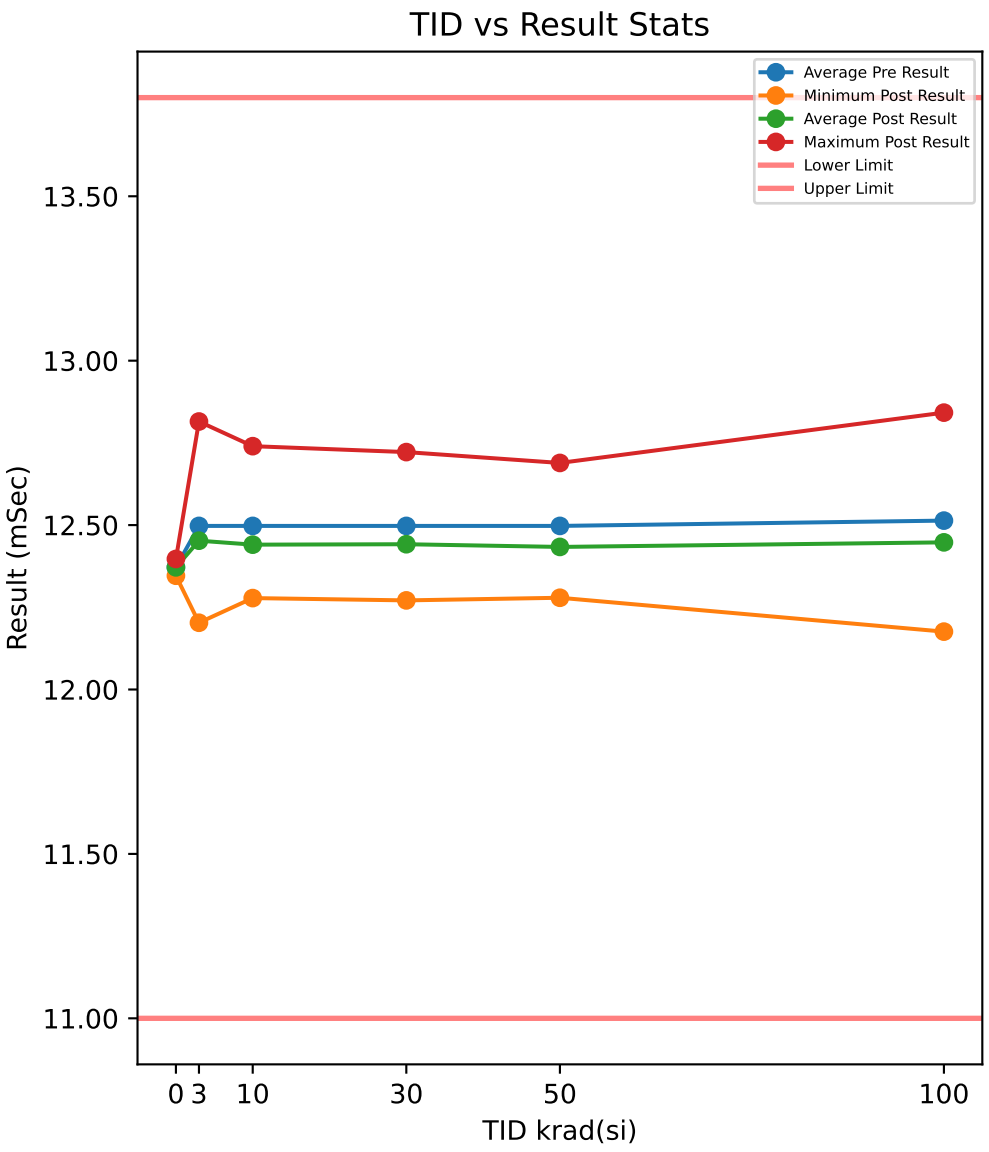

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

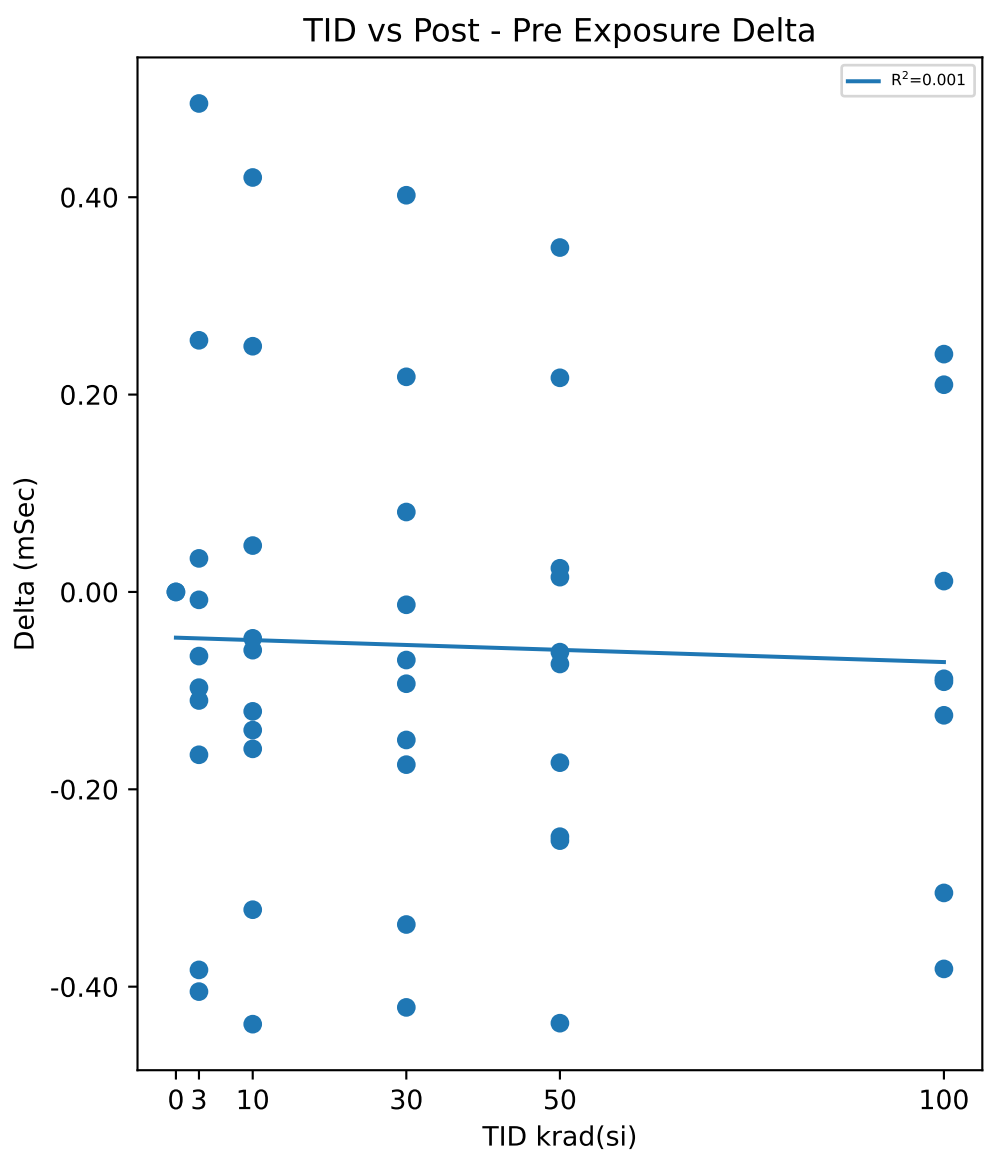
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.279 | 12.279 | 0 |
| 7 | 0 | Correlation | 12.416 | 12.416 | 0 |
| 16 | 3 | LDR-Biased | 12.495 | 12.655 | 0.16 |
| 18 | 3 | LDR-Biased | 12.479 | 12.396 | -0.083 |
| 19 | 3 | LDR-Biased | 12.43 | 12.27 | -0.16 |
| 20 | 3 | LDR-Biased | 12.346 | 12.349 | 0.003 |
| 21 | 3 | LDR-Biased | 12.546 | 12.423 | -0.123 |
| 22 | 3 | LDR-Unbiased | 12.552 | 12.463 | -0.089 |
| 23 | 3 | LDR-Unbiased | 12.537 | 12.244 | -0.293 |
| 25 | 3 | LDR-Unbiased | 12.424 | 12.459 | 0.035 |
| 26 | 3 | LDR-Unbiased | 12.247 | 12.831 | 0.584 |
| 27 | 3 | LDR-Unbiased | 12.716 | 12.259 | -0.457 |
| 46 | 10 | LDR-Biased | 12.495 | 12.722 | 0.227 |
| 48 | 10 | LDR-Biased | 12.479 | 12.448 | -0.031 |
| 49 | 10 | LDR-Biased | 12.43 | 12.371 | -0.059 |
| 50 | 10 | LDR-Biased | 12.346 | 12.278 | -0.068 |
| 51 | 10 | LDR-Biased | 12.546 | 12.394 | -0.152 |
| 52 | 10 | LDR-Unbiased | 12.552 | 12.524 | -0.028 |
| 53 | 10 | LDR-Unbiased | 12.537 | 12.296 | -0.241 |
| 55 | 10 | LDR-Unbiased | 12.424 | 12.471 | 0.047 |
| 56 | 10 | LDR-Unbiased | 12.247 | 12.792 | 0.545 |
| 57 | 10 | LDR-Unbiased | 12.716 | 12.365 | -0.351 |
| 76 | 30 | LDR-Biased | 12.495 | 12.693 | 0.198 |
| 78 | 30 | LDR-Biased | 12.479 | 12.368 | -0.111 |
| 79 | 30 | LDR-Biased | 12.43 | 12.283 | -0.147 |
| 80 | 30 | LDR-Biased | 12.346 | 12.302 | -0.044 |
| 81 | 30 | LDR-Biased | 12.546 | 12.372 | -0.174 |
| 82 | 30 | LDR-Unbiased | 12.552 | 12.477 | -0.075 |
| 83 | 30 | LDR-Unbiased | 12.537 | 12.363 | -0.174 |
| 84 | 30 | LDR-Unbiased | 12.716 | 12.287 | -0.429 |
| 85 | 30 | LDR-Unbiased | 12.424 | 12.497 | 0.073 |
| 86 | 30 | LDR-Unbiased | 12.247 | 12.728 | 0.481 |
| 87 | 100 | LDR-Biased | 12.531 | 12.559 | 0.028 |
| 88 | 100 | LDR-Biased | 12.498 | 12.27 | -0.228 |
| 90 | 100 | LDR-Biased | 12.453 | 12.266 | -0.187 |
| 91 | 100 | LDR-Unbiased | 12.606 | 12.764 | 0.158 |
| 93 | 100 | LDR-Unbiased | 12.487 | 12.199 | -0.288 |
| 94 | 100 | LDR-Unbiased | 12.495 | 12.406 | -0.089 |
| 95 | 100 | LDR-Unbiased | 12.349 | 12.48 | 0.131 |
| 96 | 100 | LDR-Unbiased | 12.741 | 12.355 | -0.386 |
| 106 | 50 | LDR-Biased | 12.495 | 12.713 | 0.218 |
| 108 | 50 | LDR-Biased | 12.479 | 12.503 | 0.024 |
| 109 | 50 | LDR-Biased | 12.43 | 12.293 | -0.137 |
| 110 | 50 | LDR-Biased | 12.346 | 12.313 | -0.033 |
| 111 | 50 | LDR-Biased | 12.546 | 12.443 | -0.103 |
| 112 | 50 | LDR-Unbiased | 12.552 | 12.369 | -0.183 |
| 113 | 50 | LDR-Unbiased | 12.537 | 12.35 | -0.187 |
| 115 | 50 | LDR-Unbiased | 12.424 | 12.421 | -0.003 |
| 116 | 50 | LDR-Unbiased | 12.247 | 12.674 | 0.427 |
| 117 | 50 | LDR-Unbiased | 12.716 | 12.284 | -0.432 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.279 | 12.348 | 12.416 | 0.096874 | 12.279 | 12.348 | 12.416 | 0.096874 | 0 | 0 | 0 | 0 |
| 3 | 12.247 | 12.477 | 12.716 | 0.12759 | 12.244 | 12.435 | 12.831 | 0.18569 | -0.457 | -0.0423 | 0.584 | 0.27893 |
| 10 | 12.247 | 12.477 | 12.716 | 0.12759 | 12.278 | 12.466 | 12.792 | 0.17133 | -0.351 | -0.0111 | 0.545 | 0.25028 |
| 30 | 12.247 | 12.477 | 12.716 | 0.12759 | 12.283 | 12.437 | 12.728 | 0.16136 | -0.429 | -0.0402 | 0.481 | 0.24626 |
| 50 | 12.247 | 12.477 | 12.716 | 0.12759 | 12.284 | 12.436 | 12.713 | 0.15228 | -0.432 | -0.0409 | 0.427 | 0.23553 |
| 100 | 12.349 | 12.52 | 12.741 | 0.11482 | 12.199 | 12.412 | 12.764 | 0.18527 | -0.386 | -0.10762 | 0.158 | 0.19895 |

# Device Test: 4.7 treg_Res619K_SENSE4/SENSE4/1.6/3/0/619K/0/@REG_TIME_500KOHM



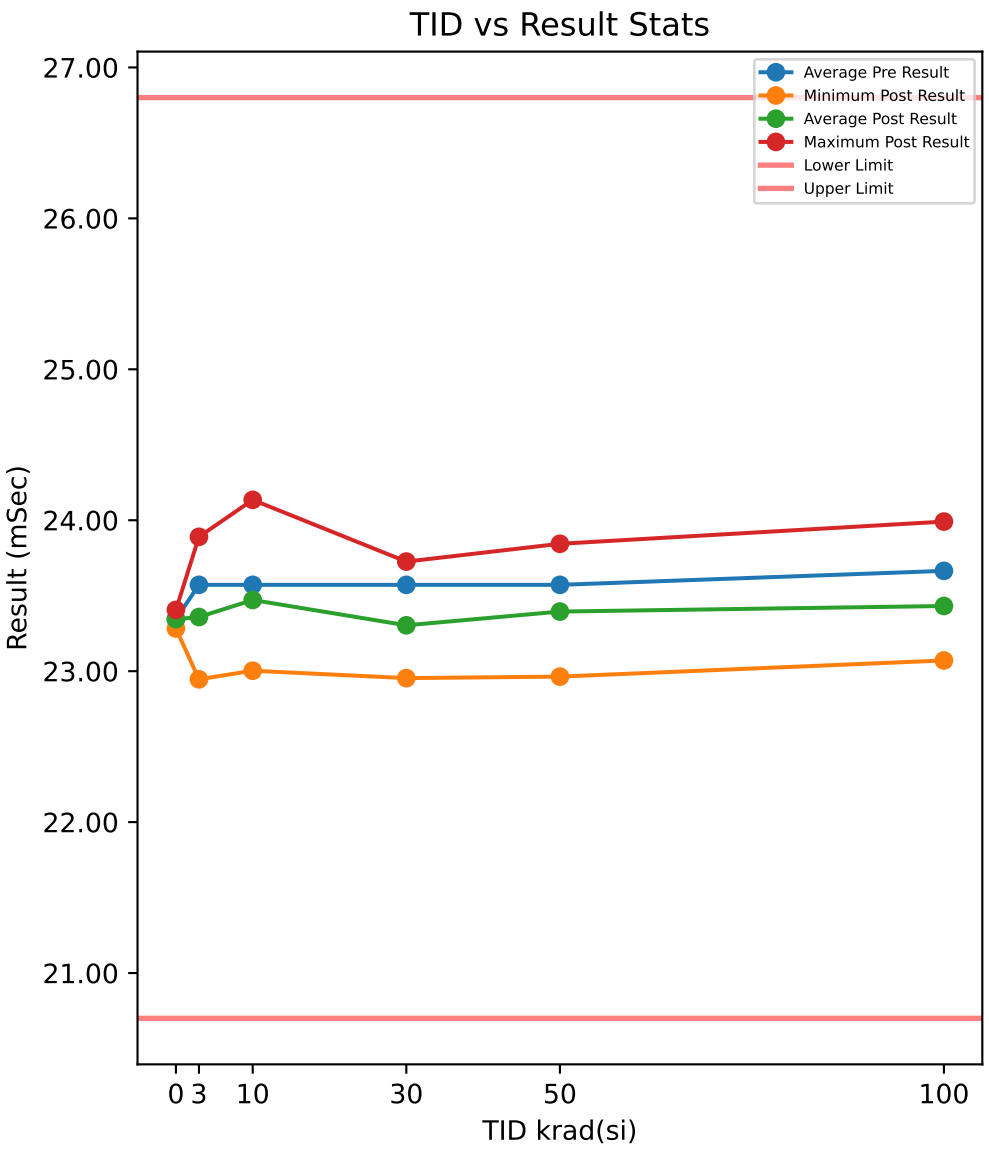

Test Results (Lower Limit = 11.0, Upper Limit = 13.8 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.346 | 12.346 | 0 |
| 7 | 0 | Correlation | 12.397 | 12.397 | 0 |
| 16 | 3 | LDR-Biased | 12.472 | 12.727 | 0.255 |
| 18 | 3 | LDR-Biased | 12.453 | 12.445 | -0.008 |
| 19 | 3 | LDR-Biased | 12.405 | 12.34 | -0.065 |
| 20 | 3 | LDR-Biased | 12.418 | 12.308 | -0.11 |
| 21 | 3 | LDR-Biased | 12.556 | 12.391 | -0.165 |
| 22 | 3 | LDR-Unbiased | 12.629 | 12.532 | -0.097 |
| 23 | 3 | LDR-Unbiased | 12.608 | 12.203 | -0.405 |
| 25 | 3 | LDR-Unbiased | 12.398 | 12.432 | 0.034 |
| 26 | 3 | LDR-Unbiased | 12.32 | 12.815 | 0.495 |
| 27 | 3 | LDR-Unbiased | 12.716 | 12.333 | -0.383 |
| 46 | 10 | LDR-Biased | 12.472 | 12.721 | 0.249 |
| 48 | 10 | LDR-Biased | 12.453 | 12.406 | -0.047 |
| 49 | 10 | LDR-Biased | 12.405 | 12.284 | -0.121 |
| 50 | 10 | LDR-Biased | 12.418 | 12.359 | -0.059 |
| 51 | 10 | LDR-Biased | 12.556 | 12.397 | -0.159 |
| 52 | 10 | LDR-Unbiased | 12.629 | 12.489 | -0.14 |
| 53 | 10 | LDR-Unbiased | 12.608 | 12.286 | -0.322 |
| 55 | 10 | LDR-Unbiased | 12.398 | 12.445 | 0.047 |
| 56 | 10 | LDR-Unbiased | 12.32 | 12.74 | 0.42 |
| 57 | 10 | LDR-Unbiased | 12.716 | 12.278 | -0.438 |
| 76 | 30 | LDR-Biased | 12.472 | 12.69 | 0.218 |
| 78 | 30 | LDR-Biased | 12.453 | 12.44 | -0.013 |
| 79 | 30 | LDR-Biased | 12.405 | 12.336 | -0.069 |
| 80 | 30 | LDR-Biased | 12.418 | 12.325 | -0.093 |
| 81 | 30 | LDR-Biased | 12.556 | 12.406 | -0.15 |
| 82 | 30 | LDR-Unbiased | 12.629 | 12.454 | -0.175 |
| 83 | 30 | LDR-Unbiased | 12.608 | 12.271 | -0.337 |
| 84 | 30 | LDR-Unbiased | 12.716 | 12.295 | -0.421 |
| 85 | 30 | LDR-Unbiased | 12.398 | 12.479 | 0.081 |
| 86 | 30 | LDR-Unbiased | 12.32 | 12.722 | 0.402 |
| 87 | 100 | LDR-Biased | 12.523 | 12.534 | 0.011 |
| 88 | 100 | LDR-Biased | 12.469 | 12.344 | -0.125 |
| 90 | 100 | LDR-Biased | 12.433 | 12.345 | -0.088 |
| 91 | 100 | LDR-Unbiased | 12.601 | 12.842 | 0.241 |
| 93 | 100 | LDR-Unbiased | 12.558 | 12.176 | -0.382 |
| 94 | 100 | LDR-Unbiased | 12.472 | 12.381 | -0.091 |
| 95 | 100 | LDR-Unbiased | 12.335 | 12.545 | 0.21 |
| 96 | 100 | LDR-Unbiased | 12.718 | 12.413 | -0.305 |
| 106 | 50 | LDR-Biased | 12.472 | 12.689 | 0.217 |
| 108 | 50 | LDR-Biased | 12.453 | 12.477 | 0.024 |
| 109 | 50 | LDR-Biased | 12.405 | 12.344 | -0.061 |
| 110 | 50 | LDR-Biased | 12.418 | 12.345 | -0.073 |
| 111 | 50 | LDR-Biased | 12.556 | 12.383 | -0.173 |
| 112 | 50 | LDR-Unbiased | 12.629 | 12.381 | -0.248 |
| 113 | 50 | LDR-Unbiased | 12.608 | 12.356 | -0.252 |
| 115 | 50 | LDR-Unbiased | 12.398 | 12.413 | 0.015 |
| 116 | 50 | LDR-Unbiased | 12.32 | 12.669 | 0.349 |
| 117 | 50 | LDR-Unbiased | 12.716 | 12.279 | -0.437 |

Test Statistics (mSec)

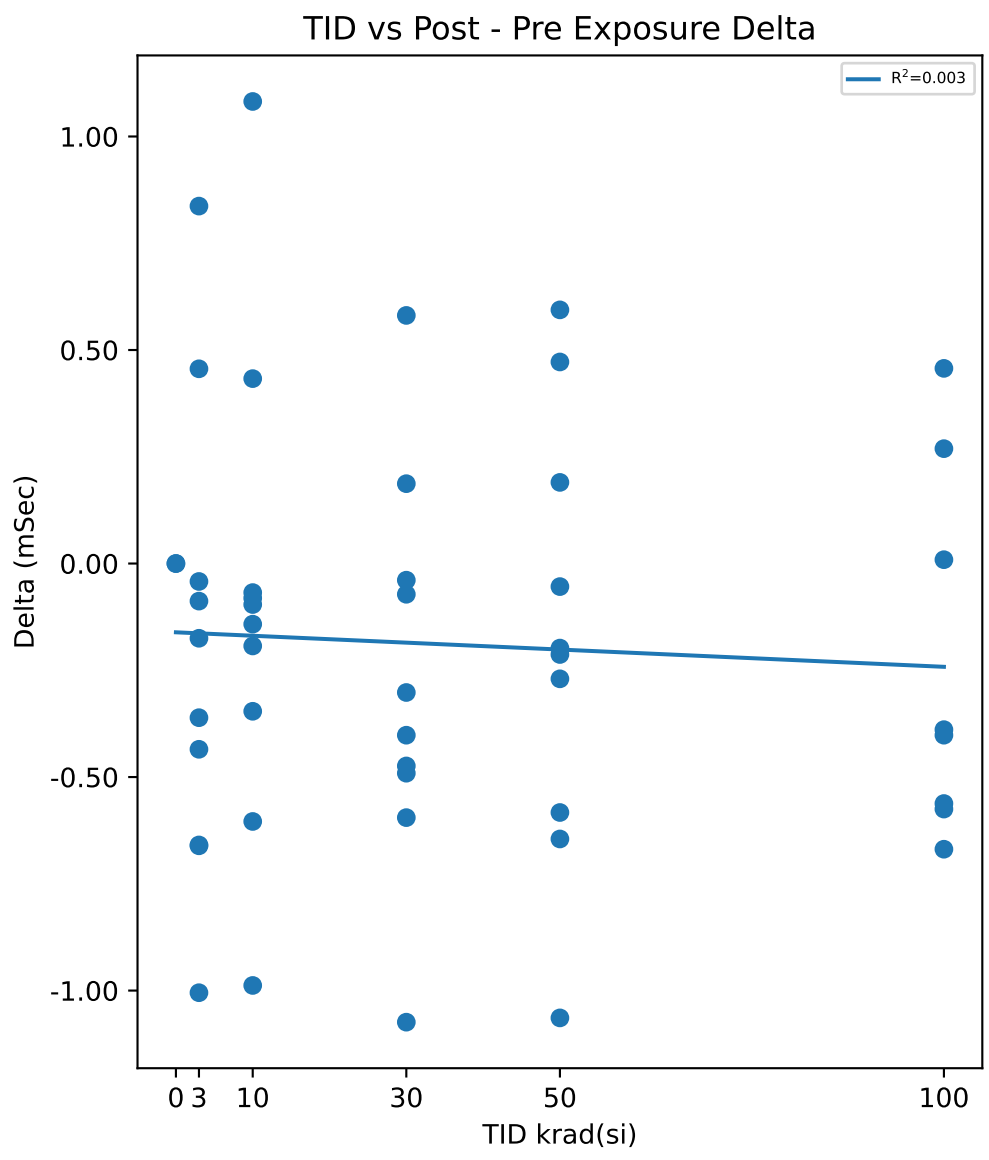
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.346 | 12.372 | 12.397 | 0.036062 | 12.346 | 12.372 | 12.397 | 0.036062 | 0 | 0 | 0 | 0 |
| 3 | 12.32 | 12.497 | 12.716 | 0.12453 | 12.203 | 12.453 | 12.815 | 0.19073 | -0.405 | -0.0449 | 0.495 | 0.26973 |
| 10 | 12.32 | 12.497 | 12.716 | 0.12453 | 12.278 | 12.441 | 12.74 | 0.16841 | -0.438 | -0.057 | 0.42 | 0.25141 |
| 30 | 12.32 | 12.497 | 12.716 | 0.12453 | 12.271 | 12.442 | 12.722 | 0.15581 | -0.421 | -0.0557 | 0.402 | 0.24544 |
| 50 | 12.32 | 12.497 | 12.716 | 0.12453 | 12.279 | 12.434 | 12.689 | 0.13908 | -0.437 | -0.0639 | 0.349 | 0.23186 |
| 100 | 12.335 | 12.514 | 12.718 | 0.11563 | 12.176 | 12.447 | 12.842 | 0.19754 | -0.382 | -0.066125 | 0.241 | 0.21971 |

# Device Test: 4.8 treg_Res1p18M_SENSE1/SENSE1/1.6/3/0/1.18M/0/@REG_TIME_1MOHM




Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

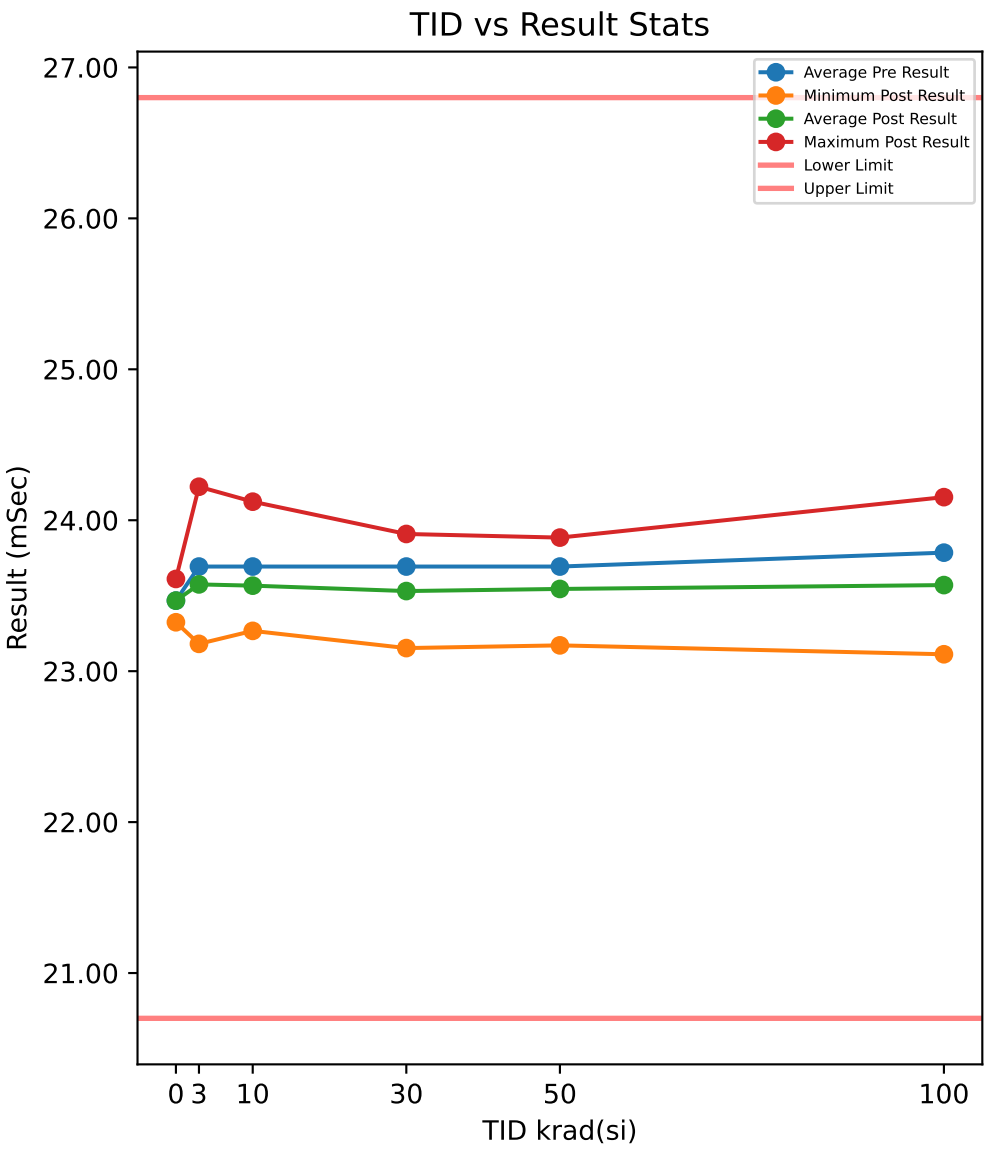
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.283 | 23.283 | 0 |
| 7 | 0 | Correlation | 23.406 | 23.406 | 0 |
| 16 | 3 | LDR-Biased | 23.765 | 23.677 | -0.088 |
| 18 | 3 | LDR-Biased | 23.643 | 23.282 | -0.361 |
| 19 | 3 | LDR-Biased | 23.635 | 22.976 | -0.659 |
| 20 | 3 | LDR-Biased | 23.175 | 23.133 | -0.042 |
| 21 | 3 | LDR-Biased | 23.496 | 23.321 | -0.175 |
| 22 | 3 | LDR-Unbiased | 23.946 | 23.511 | -0.435 |
| 23 | 3 | LDR-Unbiased | 23.607 | 22.946 | -0.661 |
| 25 | 3 | LDR-Unbiased | 23.372 | 23.828 | 0.456 |
| 26 | 3 | LDR-Unbiased | 23.053 | 23.89 | 0.837 |
| 27 | 3 | LDR-Unbiased | 24.028 | 23.023 | -1.005 |
| 46 | 10 | LDR-Biased | 23.765 | 23.623 | -0.142 |
| 48 | 10 | LDR-Biased | 23.643 | 23.562 | -0.081 |
| 49 | 10 | LDR-Biased | 23.635 | 23.289 | -0.346 |
| 50 | 10 | LDR-Biased | 23.175 | 23.107 | -0.068 |
| 51 | 10 | LDR-Biased | 23.496 | 23.303 | -0.193 |
| 52 | 10 | LDR-Unbiased | 23.946 | 23.85 | -0.096 |
| 53 | 10 | LDR-Unbiased | 23.607 | 23.003 | -0.604 |
| 55 | 10 | LDR-Unbiased | 23.372 | 23.805 | 0.433 |
| 56 | 10 | LDR-Unbiased | 23.053 | 24.135 | 1.082 |
| 57 | 10 | LDR-Unbiased | 24.028 | 23.04 | -0.988 |
| 76 | 30 | LDR-Biased | 23.765 | 23.726 | -0.039 |
| 78 | 30 | LDR-Biased | 23.643 | 23.241 | -0.402 |
| 79 | 30 | LDR-Biased | 23.635 | 23.04 | -0.595 |
| 80 | 30 | LDR-Biased | 23.175 | 23.103 | -0.072 |
| 81 | 30 | LDR-Biased | 23.496 | 23.194 | -0.302 |
| 82 | 30 | LDR-Unbiased | 23.946 | 23.472 | -0.474 |
| 83 | 30 | LDR-Unbiased | 23.607 | 23.116 | -0.491 |
| 84 | 30 | LDR-Unbiased | 24.028 | 22.954 | -1.074 |
| 85 | 30 | LDR-Unbiased | 23.372 | 23.559 | 0.187 |
| 86 | 30 | LDR-Unbiased | 23.053 | 23.634 | 0.581 |
| 87 | 100 | LDR-Biased | 23.662 | 23.671 | 0.009 |
| 88 | 100 | LDR-Biased | 23.74 | 23.071 | -0.669 |
| 90 | 100 | LDR-Biased | 23.645 | 23.083 | -0.562 |
| 91 | 100 | LDR-Unbiased | 23.722 | 23.991 | 0.269 |
| 93 | 100 | LDR-Unbiased | 23.487 | 23.098 | -0.389 |
| 94 | 100 | LDR-Unbiased | 23.76 | 23.358 | -0.402 |
| 95 | 100 | LDR-Unbiased | 23.246 | 23.703 | 0.457 |
| 96 | 100 | LDR-Unbiased | 24.054 | 23.479 | -0.575 |
| 106 | 50 | LDR-Biased | 23.765 | 23.711 | -0.054 |
| 108 | 50 | LDR-Biased | 23.643 | 23.43 | -0.213 |
| 109 | 50 | LDR-Biased | 23.635 | 23.052 | -0.583 |
| 110 | 50 | LDR-Biased | 23.175 | 23.365 | 0.19 |
| 111 | 50 | LDR-Biased | 23.496 | 23.226 | -0.27 |
| 112 | 50 | LDR-Unbiased | 23.946 | 23.301 | -0.645 |
| 113 | 50 | LDR-Unbiased | 23.607 | 23.409 | -0.198 |
| 115 | 50 | LDR-Unbiased | 23.372 | 23.844 | 0.472 |
| 116 | 50 | LDR-Unbiased | 23.053 | 23.647 | 0.594 |
| 117 | 50 | LDR-Unbiased | 24.028 | 22.964 | -1.064 |




Test Statistics (mSec)

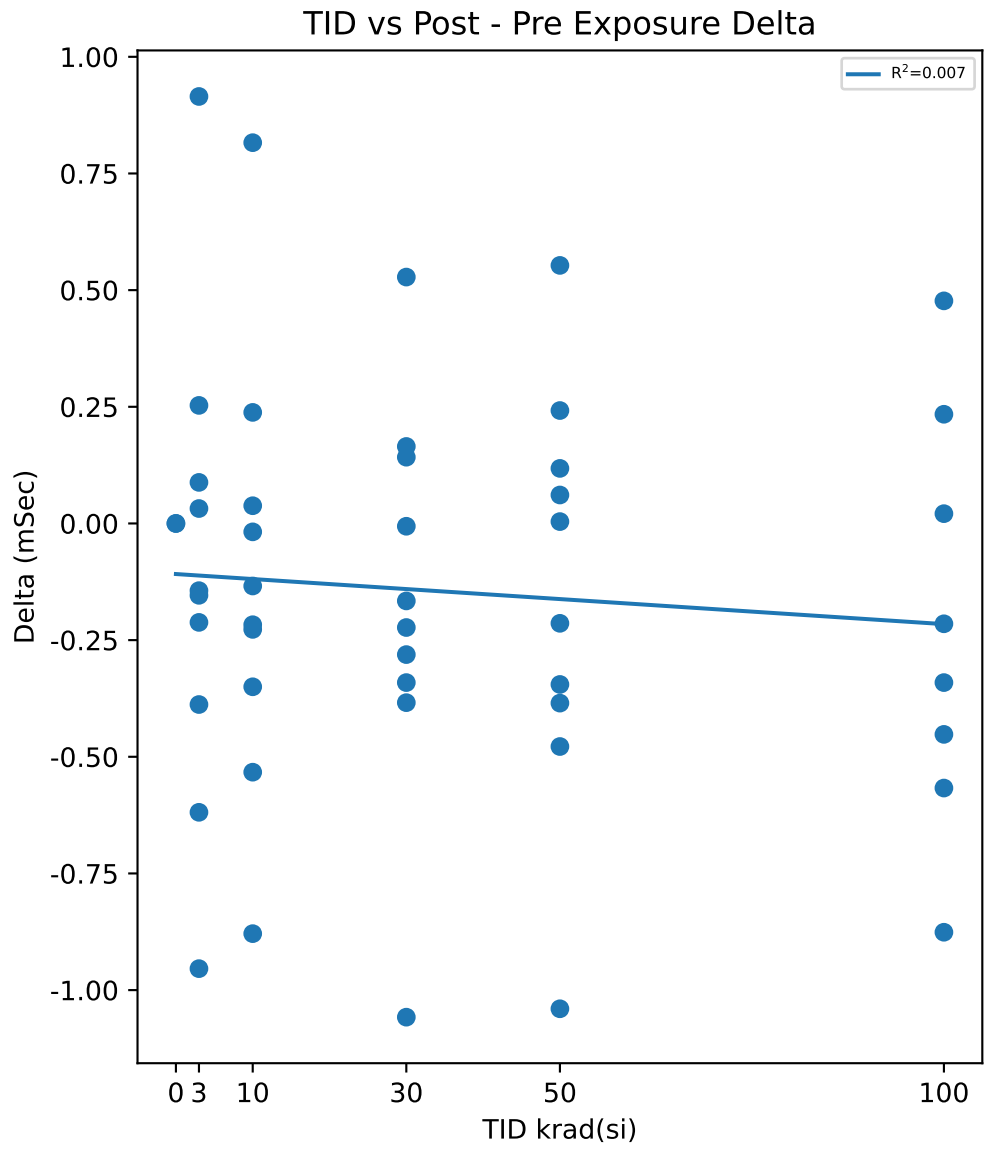
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.283 | 23.345 | 23.406 | 0.086974 | 23.283 | 23.345 | 23.406 | 0.086974 | 0 | 0 | 0 | 0 |
| 3 | 23.053 | 23.572 | 24.028 | 0.31056 | 22.946 | 23.359 | 23.89 | 0.35194 | -1.005 | -0.2133 | 0.837 | 0.54716 |
| 10 | 23.053 | 23.572 | 24.028 | 0.31056 | 23.003 | 23.472 | 24.135 | 0.38386 | -0.988 | -0.1003 | 1.082 | 0.55738 |
| 30 | 23.053 | 23.572 | 24.028 | 0.31056 | 22.954 | 23.304 | 23.726 | 0.27167 | -1.074 | -0.2681 | 0.581 | 0.45784 |
| 50 | 23.053 | 23.572 | 24.028 | 0.31056 | 22.964 | 23.395 | 23.844 | 0.28049 | -1.064 | -0.1771 | 0.594 | 0.51061 |
| 100 | 23.246 | 23.665 | 24.054 | 0.23203 | 23.071 | 23.432 | 23.991 | 0.34109 | -0.669 | -0.23275 | 0.457 | 0.4234 |

# Device Test: 4.9 treg_Res1p18M_SENSE2/SENSE2/1.6/3/0/1.18M/0/@REG_TIME_1MOHM




Test Results (Lower Limit = 20.7, Upper Limit = 26.8 (mSec))

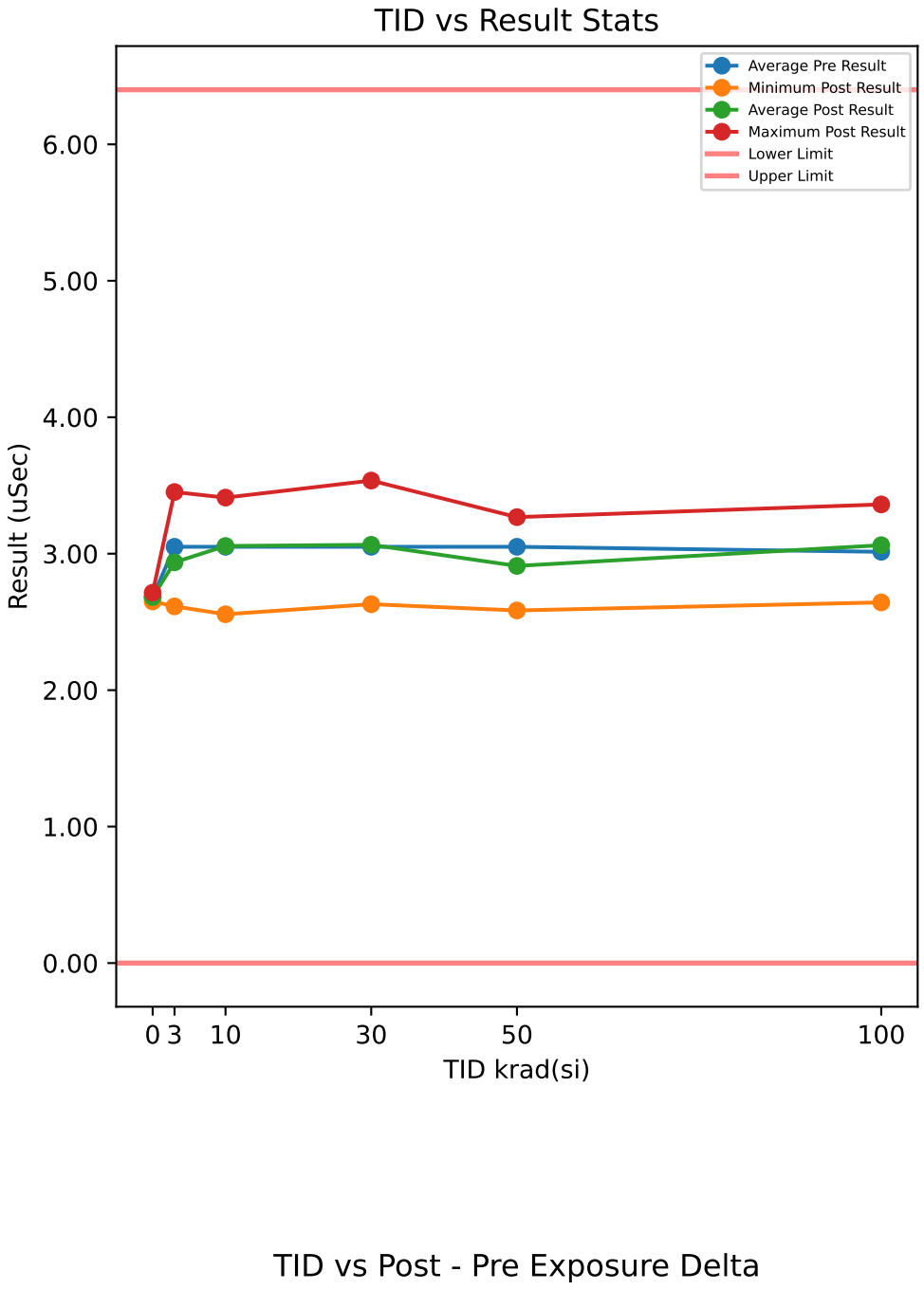
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.324 | 23.324 | 0 |
| 7 | 0 | Correlation | 23.611 | 23.611 | 0 |
| 16 | 3 | LDR-Biased | 23.767 | 23.855 | 0.088 |
| 18 | 3 | LDR-Biased | 23.653 | 23.509 | -0.144 |
| 19 | 3 | LDR-Biased | 23.643 | 23.255 | -0.388 |
| 20 | 3 | LDR-Biased | 23.37 | 23.402 | 0.032 |
| 21 | 3 | LDR-Biased | 23.677 | 23.523 | -0.154 |
| 22 | 3 | LDR-Unbiased | 23.926 | 23.714 | -0.212 |
| 23 | 3 | LDR-Unbiased | 23.8 | 23.181 | -0.619 |
| 25 | 3 | LDR-Unbiased | 23.578 | 23.831 | 0.253 |
| 26 | 3 | LDR-Unbiased | 23.307 | 24.222 | 0.915 |
| 27 | 3 | LDR-Unbiased | 24.211 | 23.257 | -0.954 |
| 46 | 10 | LDR-Biased | 23.767 | 23.805 | 0.038 |
| 48 | 10 | LDR-Biased | 23.653 | 23.436 | -0.217 |
| 49 | 10 | LDR-Biased | 23.643 | 23.293 | -0.35 |
| 50 | 10 | LDR-Biased | 23.37 | 23.352 | -0.018 |
| 51 | 10 | LDR-Biased | 23.677 | 23.543 | -0.134 |
| 52 | 10 | LDR-Unbiased | 23.926 | 23.699 | -0.227 |
| 53 | 10 | LDR-Unbiased | 23.8 | 23.267 | -0.533 |
| 55 | 10 | LDR-Unbiased | 23.578 | 23.816 | 0.238 |
| 56 | 10 | LDR-Unbiased | 23.307 | 24.123 | 0.816 |
| 57 | 10 | LDR-Unbiased | 24.211 | 23.332 | -0.879 |
| 76 | 30 | LDR-Biased | 23.767 | 23.909 | 0.142 |
| 78 | 30 | LDR-Biased | 23.653 | 23.487 | -0.166 |
| 79 | 30 | LDR-Biased | 23.643 | 23.302 | -0.341 |
| 80 | 30 | LDR-Biased | 23.37 | 23.364 | -0.006 |
| 81 | 30 | LDR-Biased | 23.677 | 23.396 | -0.281 |
| 82 | 30 | LDR-Unbiased | 23.926 | 23.703 | -0.223 |
| 83 | 30 | LDR-Unbiased | 23.8 | 23.416 | -0.384 |
| 84 | 30 | LDR-Unbiased | 24.211 | 23.153 | -1.058 |
| 85 | 30 | LDR-Unbiased | 23.578 | 23.743 | 0.165 |
| 86 | 30 | LDR-Unbiased | 23.307 | 23.835 | 0.528 |
| 87 | 100 | LDR-Biased | 23.822 | 23.843 | 0.021 |
| 88 | 100 | LDR-Biased | 23.767 | 23.315 | -0.452 |
| 90 | 100 | LDR-Biased | 23.653 | 23.312 | -0.341 |
| 91 | 100 | LDR-Unbiased | 23.919 | 24.153 | 0.234 |
| 93 | 100 | LDR-Unbiased | 23.679 | 23.112 | -0.567 |
| 94 | 100 | LDR-Unbiased | 23.764 | 23.549 | -0.215 |
| 95 | 100 | LDR-Unbiased | 23.464 | 23.941 | 0.477 |
| 96 | 100 | LDR-Unbiased | 24.214 | 23.338 | -0.876 |
| 106 | 50 | LDR-Biased | 23.767 | 23.885 | 0.118 |
| 108 | 50 | LDR-Biased | 23.653 | 23.657 | 0.004 |
| 109 | 50 | LDR-Biased | 23.643 | 23.298 | -0.345 |
| 110 | 50 | LDR-Biased | 23.37 | 23.431 | 0.061 |
| 111 | 50 | LDR-Biased | 23.677 | 23.463 | -0.214 |
| 112 | 50 | LDR-Unbiased | 23.926 | 23.541 | -0.385 |
| 113 | 50 | LDR-Unbiased | 23.8 | 23.322 | -0.478 |
| 115 | 50 | LDR-Unbiased | 23.578 | 23.82 | 0.242 |
| 116 | 50 | LDR-Unbiased | 23.307 | 23.86 | 0.553 |
| 117 | 50 | LDR-Unbiased | 24.211 | 23.171 | -1.04 |

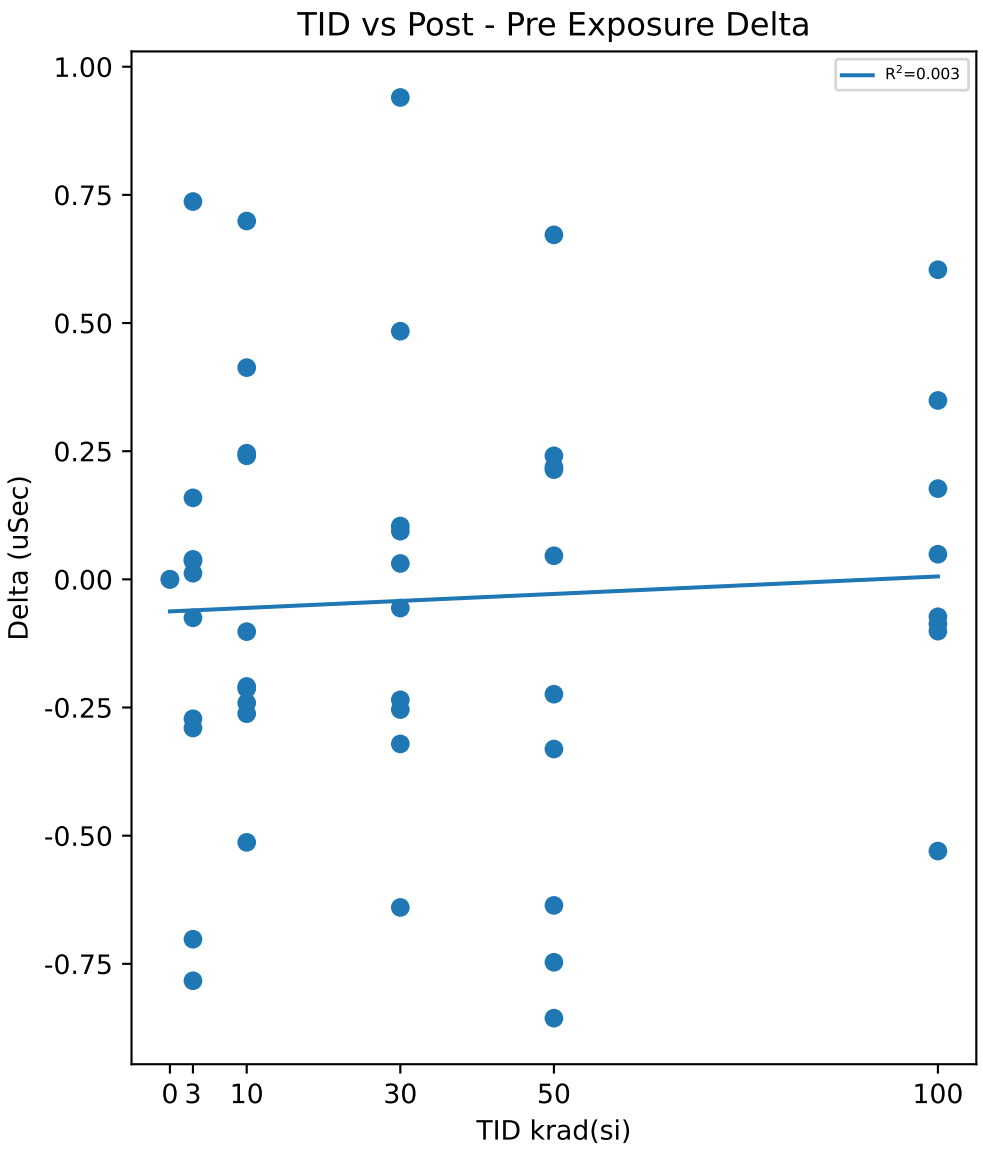



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.324 | 23.468 | 23.611 | 0.20294 | 23.324 | 23.468 | 23.611 | 0.20294 | 0 | 0 | 0 | 0 |
| 3 | 23.307 | 23.693 | 24.211 | 0.26044 | 23.181 | 23.575 | 24.222 | 0.32958 | -0.954 | -0.1183 | 0.915 | 0.50588 |
| 10 | 23.307 | 23.693 | 24.211 | 0.26044 | 23.267 | 23.567 | 24.123 | 0.2847 | -0.879 | -0.1266 | 0.816 | 0.45458 |
| 30 | 23.307 | 23.693 | 24.211 | 0.26044 | 23.153 | 23.531 | 23.909 | 0.25087 | -1.058 | -0.1624 | 0.528 | 0.42188 |
| 50 | 23.307 | 23.693 | 24.211 | 0.26044 | 23.171 | 23.545 | 23.885 | 0.2524 | -1.04 | -0.1484 | 0.553 | 0.44534 |
| 100 | 23.464 | 23.785 | 24.214 | 0.21903 | 23.112 | 23.57 | 24.153 | 0.36794 | -0.876 | -0.21487 | 0.477 | 0.44224 |

# Device Test: 5.0 tpd_EN1_SU/EN1/1.6/3/0/0/0/@TPD_EN



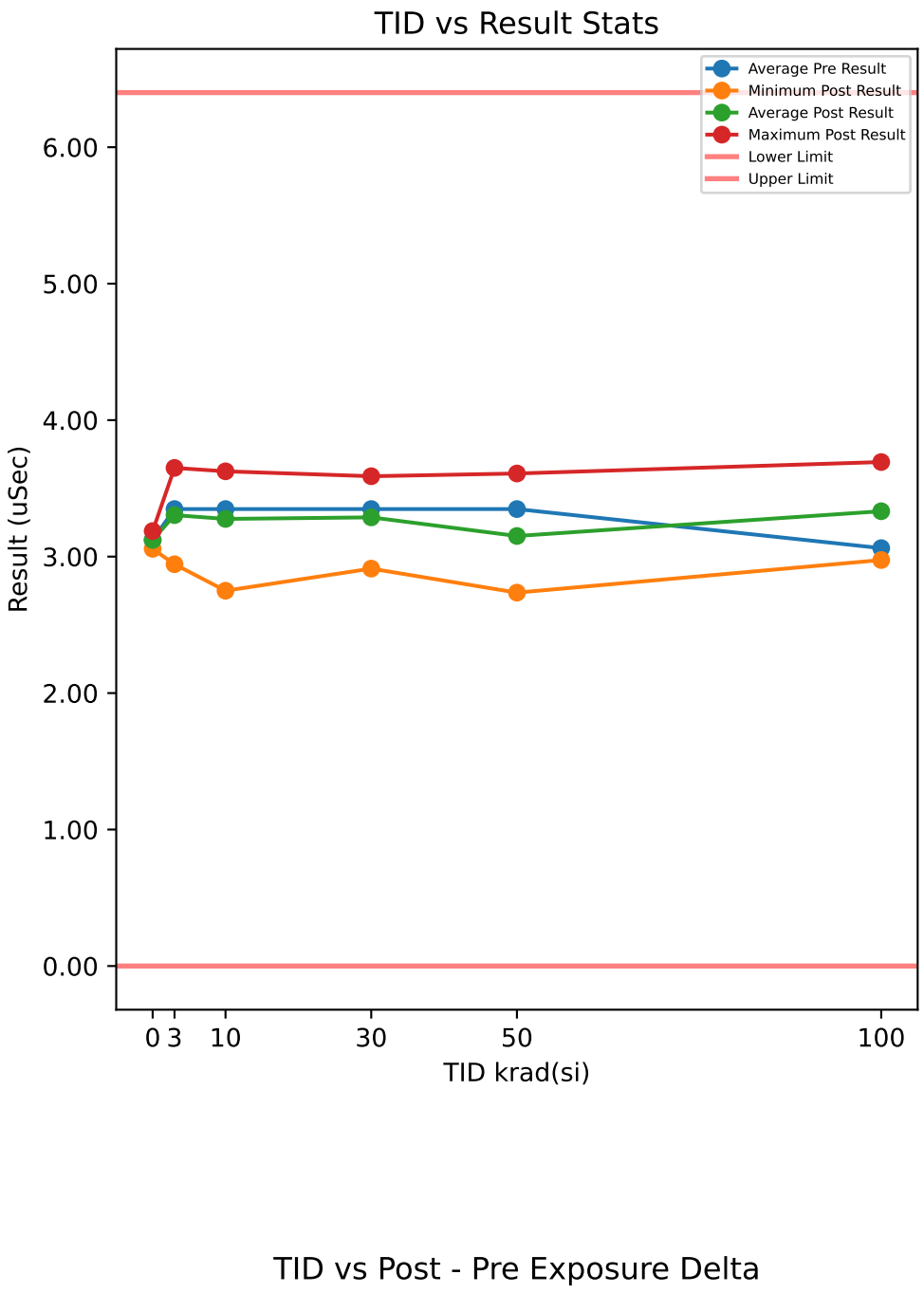

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.714 | 2.714 | 0 |
| 7 | 0 | Correlation | 2.65 | 2.65 | 0 |
| 16 | 3 | LDR-Biased | 2.658 | 2.697 | 0.039 |
| 18 | 3 | LDR-Biased | 2.97 | 2.68 | -0.29 |
| 19 | 3 | LDR-Biased | 3.068 | 2.796 | -0.272 |
| 20 | 3 | LDR-Biased | 3.316 | 2.614 | -0.702 |
| 21 | 3 | LDR-Biased | 3.44 | 3.452 | 0.012 |
| 22 | 3 | LDR-Unbiased | 3.05 | 3.086 | 0.036 |
| 23 | 3 | LDR-Unbiased | 2.884 | 2.809 | -0.075 |
| 25 | 3 | LDR-Unbiased | 3.526 | 2.743 | -0.783 |
| 26 | 3 | LDR-Unbiased | 2.596 | 3.333 | 0.737 |
| 27 | 3 | LDR-Unbiased | 2.998 | 3.157 | 0.159 |
| 46 | 10 | LDR-Biased | 2.658 | 2.556 | -0.102 |
| 48 | 10 | LDR-Biased | 2.97 | 3.216 | 0.246 |
| 49 | 10 | LDR-Biased | 3.068 | 3.309 | 0.241 |
| 50 | 10 | LDR-Biased | 3.316 | 2.803 | -0.513 |
| 51 | 10 | LDR-Biased | 3.44 | 3.199 | -0.241 |
| 52 | 10 | LDR-Unbiased | 3.05 | 2.788 | -0.262 |
| 53 | 10 | LDR-Unbiased | 2.884 | 2.671 | -0.213 |
| 55 | 10 | LDR-Unbiased | 3.526 | 3.317 | -0.209 |
| 56 | 10 | LDR-Unbiased | 2.596 | 3.295 | 0.699 |
| 57 | 10 | LDR-Unbiased | 2.998 | 3.411 | 0.413 |
| 76 | 30 | LDR-Biased | 2.658 | 2.762 | 0.104 |
| 78 | 30 | LDR-Biased | 2.97 | 2.735 | -0.235 |
| 79 | 30 | LDR-Biased | 3.068 | 2.747 | -0.321 |
| 80 | 30 | LDR-Biased | 3.316 | 3.347 | 0.031 |
| 81 | 30 | LDR-Biased | 3.44 | 3.384 | -0.056 |
| 82 | 30 | LDR-Unbiased | 3.05 | 3.144 | 0.094 |
| 83 | 30 | LDR-Unbiased | 2.884 | 2.63 | -0.254 |
| 84 | 30 | LDR-Unbiased | 2.998 | 3.482 | 0.484 |
| 85 | 30 | LDR-Unbiased | 3.526 | 2.886 | -0.64 |
| 86 | 30 | LDR-Unbiased | 2.596 | 3.536 | 0.94 |
| 87 | 100 | LDR-Biased | 3.312 | 3.361 | 0.049 |
| 88 | 100 | LDR-Biased | 3.386 | 2.856 | -0.53 |
| 90 | 100 | LDR-Biased | 3.07 | 3.247 | 0.177 |
| 91 | 100 | LDR-Unbiased | 2.934 | 3.283 | 0.349 |
| 93 | 100 | LDR-Unbiased | 3.071 | 2.984 | -0.087 |
| 94 | 100 | LDR-Unbiased | 2.716 | 2.643 | -0.073 |
| 95 | 100 | LDR-Unbiased | 2.896 | 2.795 | -0.101 |
| 96 | 100 | LDR-Unbiased | 2.725 | 3.329 | 0.604 |
| 106 | 50 | LDR-Biased | 2.658 | 2.872 | 0.214 |
| 108 | 50 | LDR-Biased | 2.97 | 3.016 | 0.046 |
| 109 | 50 | LDR-Biased | 3.068 | 2.737 | -0.331 |
| 110 | 50 | LDR-Biased | 3.316 | 2.68 | -0.636 |
| 111 | 50 | LDR-Biased | 3.44 | 2.584 | -0.856 |
| 112 | 50 | LDR-Unbiased | 3.05 | 2.826 | -0.224 |
| 113 | 50 | LDR-Unbiased | 2.884 | 3.103 | 0.219 |
| 115 | 50 | LDR-Unbiased | 3.526 | 2.779 | -0.747 |
| 116 | 50 | LDR-Unbiased | 2.596 | 3.268 | 0.672 |
| 117 | 50 | LDR-Unbiased | 2.998 | 3.239 | 0.241 |

Test Statistics (uSec)

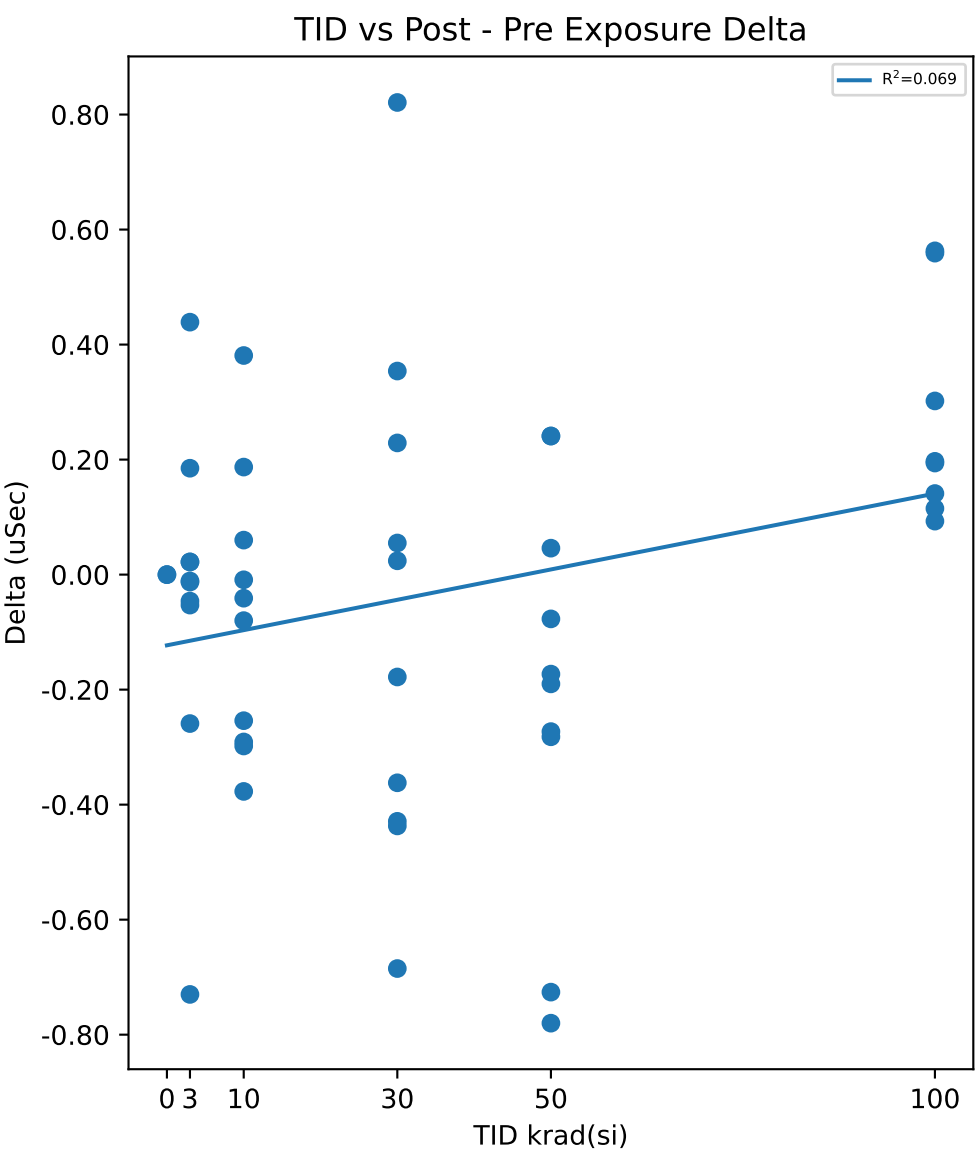
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.65 | 2.682 | 2.714 | 0.045255 | 2.65 | 2.682 | 2.714 | 0.045255 | 0 | 0 | 0 | 0 |
| 3 | 2.596 | 3.0506 | 3.526 | 0.30663 | 2.614 | 2.9367 | 3.452 | 0.29712 | -0.783 | -0.1139 | 0.737 | 0.43605 |
| 10 | 2.596 | 3.0506 | 3.526 | 0.30663 | 2.556 | 3.0565 | 3.411 | 0.31542 | -0.513 | 0.0059 | 0.699 | 0.37517 |
| 30 | 2.596 | 3.0506 | 3.526 | 0.30663 | 2.63 | 3.0653 | 3.536 | 0.35061 | -0.64 | 0.0147 | 0.94 | 0.4437 |
| 50 | 2.596 | 3.0506 | 3.526 | 0.30663 | 2.584 | 2.9104 | 3.268 | 0.23562 | -0.856 | -0.1402 | 0.672 | 0.50155 |
| 100 | 2.716 | 3.0137 | 3.386 | 0.24676 | 2.643 | 3.0623 | 3.361 | 0.27752 | -0.53 | 0.0485 | 0.604 | 0.33923 |

# Device Test: 5.1 tpd_EN2_SU/EN2/1.6/3/0/0/0/@TPD_EN




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

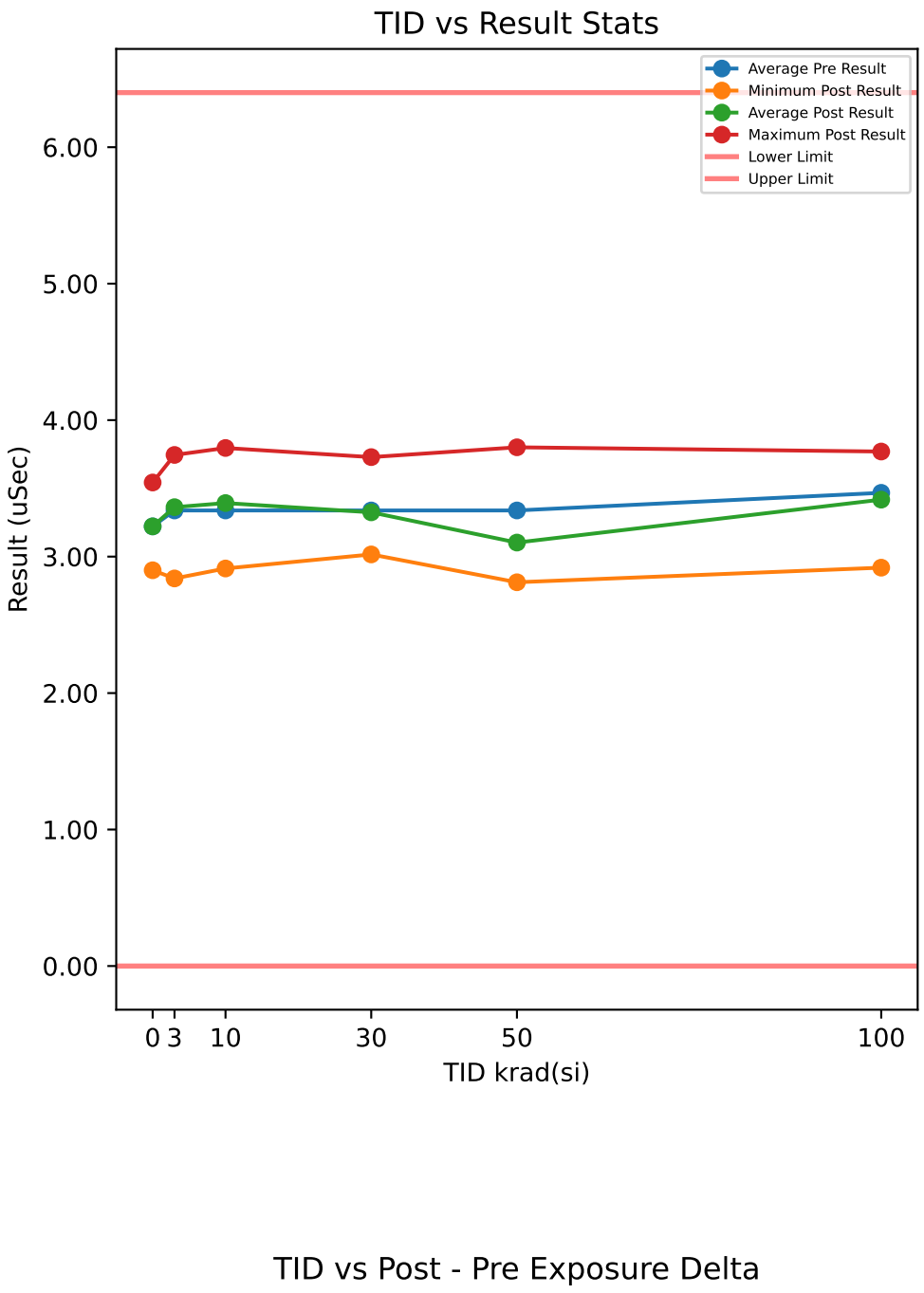
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.187 | 3.187 | 0 |
| 7 | 0 | Correlation | 3.057 | 3.057 | 0 |
| 16 | 3 | LDR-Biased | 3.686 | 2.956 | -0.73 |
| 18 | 3 | LDR-Biased | 3.211 | 3.65 | 0.439 |
| 19 | 3 | LDR-Biased | 3.374 | 3.396 | 0.022 |
| 20 | 3 | LDR-Biased | 2.759 | 2.944 | 0.185 |
| 21 | 3 | LDR-Biased | 3.16 | 3.147 | -0.013 |
| 22 | 3 | LDR-Unbiased | 3.565 | 3.306 | -0.259 |
| 23 | 3 | LDR-Unbiased | 3.466 | 3.42 | -0.046 |
| 25 | 3 | LDR-Unbiased | 3.204 | 3.151 | -0.053 |
| 26 | 3 | LDR-Unbiased | 3.462 | 3.484 | 0.022 |
| 27 | 3 | LDR-Unbiased | 3.597 | 3.586 | -0.011 |
| 46 | 10 | LDR-Biased | 3.686 | 3.395 | -0.291 |
| 48 | 10 | LDR-Biased | 3.211 | 3.592 | 0.381 |
| 49 | 10 | LDR-Biased | 3.374 | 3.561 | 0.187 |
| 50 | 10 | LDR-Biased | 2.759 | 2.75 | -0.009 |
| 51 | 10 | LDR-Biased | 3.16 | 2.783 | -0.377 |
| 52 | 10 | LDR-Unbiased | 3.565 | 3.625 | 0.06 |
| 53 | 10 | LDR-Unbiased | 3.466 | 3.425 | -0.041 |
| 55 | 10 | LDR-Unbiased | 3.204 | 3.124 | -0.08 |
| 56 | 10 | LDR-Unbiased | 3.462 | 3.164 | -0.298 |
| 57 | 10 | LDR-Unbiased | 3.597 | 3.343 | -0.254 |
| 76 | 30 | LDR-Biased | 3.686 | 3.249 | -0.437 |
| 78 | 30 | LDR-Biased | 3.211 | 3.565 | 0.354 |
| 79 | 30 | LDR-Biased | 3.374 | 2.945 | -0.429 |
| 80 | 30 | LDR-Biased | 2.759 | 3.58 | 0.821 |
| 81 | 30 | LDR-Biased | 3.16 | 2.982 | -0.178 |
| 82 | 30 | LDR-Unbiased | 3.565 | 3.589 | 0.024 |
| 83 | 30 | LDR-Unbiased | 3.466 | 3.521 | 0.055 |
| 84 | 30 | LDR-Unbiased | 3.597 | 2.912 | -0.685 |
| 85 | 30 | LDR-Unbiased | 3.204 | 3.433 | 0.229 |
| 86 | 30 | LDR-Unbiased | 3.462 | 3.1 | -0.362 |
| 87 | 100 | LDR-Biased | 3.347 | 3.44 | 0.093 |
| 88 | 100 | LDR-Biased | 2.786 | 3.345 | 0.559 |
| 90 | 100 | LDR-Biased | 2.824 | 3.387 | 0.563 |
| 91 | 100 | LDR-Unbiased | 3.187 | 3.384 | 0.197 |
| 93 | 100 | LDR-Unbiased | 3.133 | 3.435 | 0.302 |
| 94 | 100 | LDR-Unbiased | 3.499 | 3.693 | 0.194 |
| 95 | 100 | LDR-Unbiased | 2.886 | 3.001 | 0.115 |
| 96 | 100 | LDR-Unbiased | 2.834 | 2.975 | 0.141 |
| 106 | 50 | LDR-Biased | 3.686 | 3.609 | -0.077 |
| 108 | 50 | LDR-Biased | 3.211 | 3.038 | -0.173 |
| 109 | 50 | LDR-Biased | 3.374 | 3.092 | -0.282 |
| 110 | 50 | LDR-Biased | 2.759 | 2.805 | 0.046 |
| 111 | 50 | LDR-Biased | 3.16 | 3.401 | 0.241 |
| 112 | 50 | LDR-Unbiased | 3.565 | 3.375 | -0.19 |
| 113 | 50 | LDR-Unbiased | 3.466 | 3.193 | -0.273 |
| 115 | 50 | LDR-Unbiased | 3.204 | 3.445 | 0.241 |
| 116 | 50 | LDR-Unbiased | 3.462 | 2.736 | -0.726 |
| 117 | 50 | LDR-Unbiased | 3.597 | 2.817 | -0.78 |

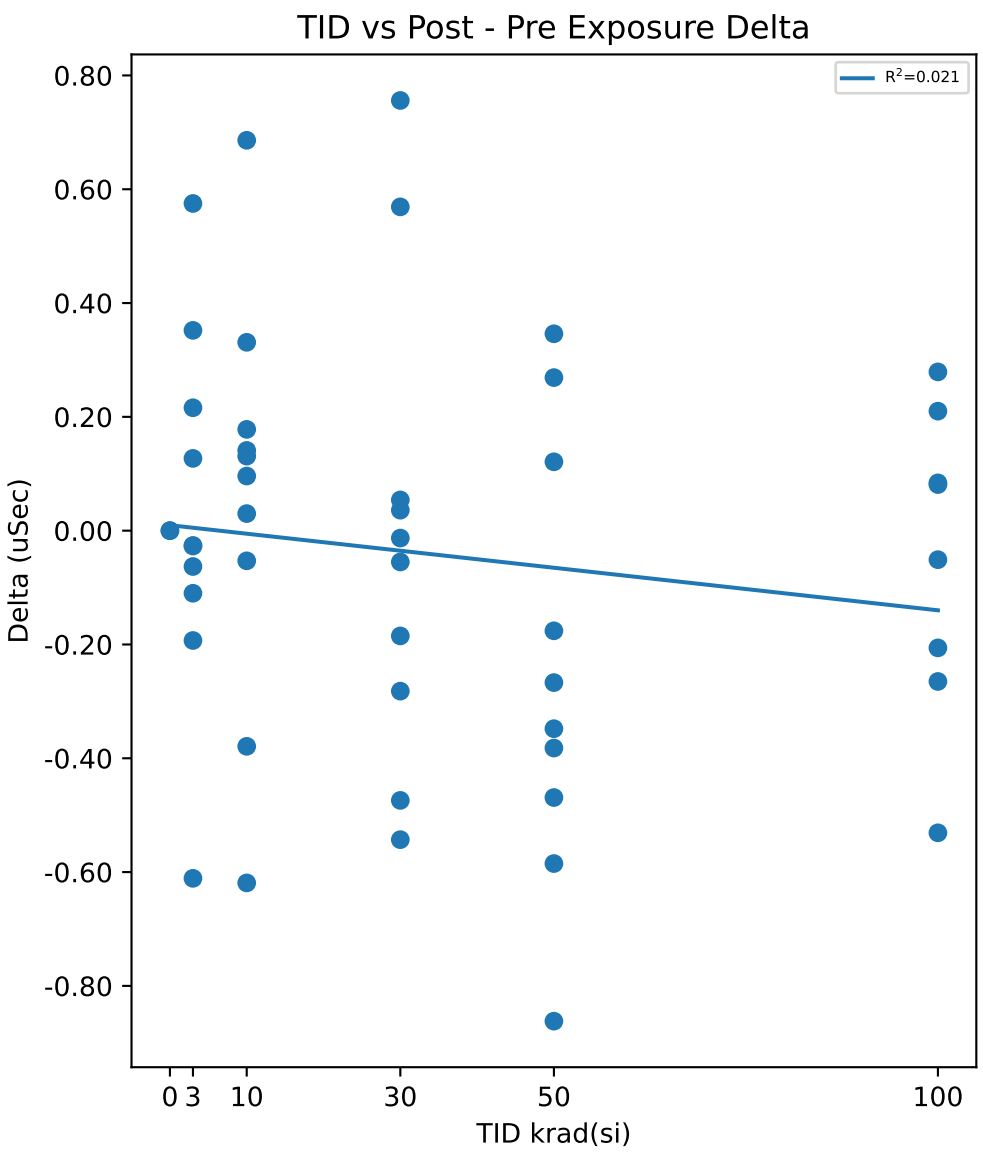



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.057 | 3.122 | 3.187 | 0.091924 | 3.057 | 3.122 | 3.187 | 0.091924 | 0 | 0 | 0 | 0 |
| 3 | 2.759 | 3.3484 | 3.686 | 0.27339 | 2.944 | 3.304 | 3.65 | 0.24773 | -0.73 | -0.0444 | 0.439 | 0.30063 |
| 10 | 2.759 | 3.3484 | 3.686 | 0.27339 | 2.75 | 3.2762 | 3.625 | 0.31607 | -0.377 | -0.0722 | 0.381 | 0.24035 |
| 30 | 2.759 | 3.3484 | 3.686 | 0.27339 | 2.912 | 3.2876 | 3.589 | 0.28234 | -0.685 | -0.0608 | 0.821 | 0.45036 |
| 50 | 2.759 | 3.3484 | 3.686 | 0.27339 | 2.736 | 3.1511 | 3.609 | 0.30375 | -0.78 | -0.1973 | 0.241 | 0.34809 |
| 100 | 2.786 | 3.062 | 3.499 | 0.26956 | 2.975 | 3.3325 | 3.693 | 0.2377 | 0.093 | 0.2705 | 0.563 | 0.1903 |

# Device Test: 5.10 tpd_SEQ_SD/SEQ_DONE/1.6/3/0/0/0/@TPD_SEQ_DONE



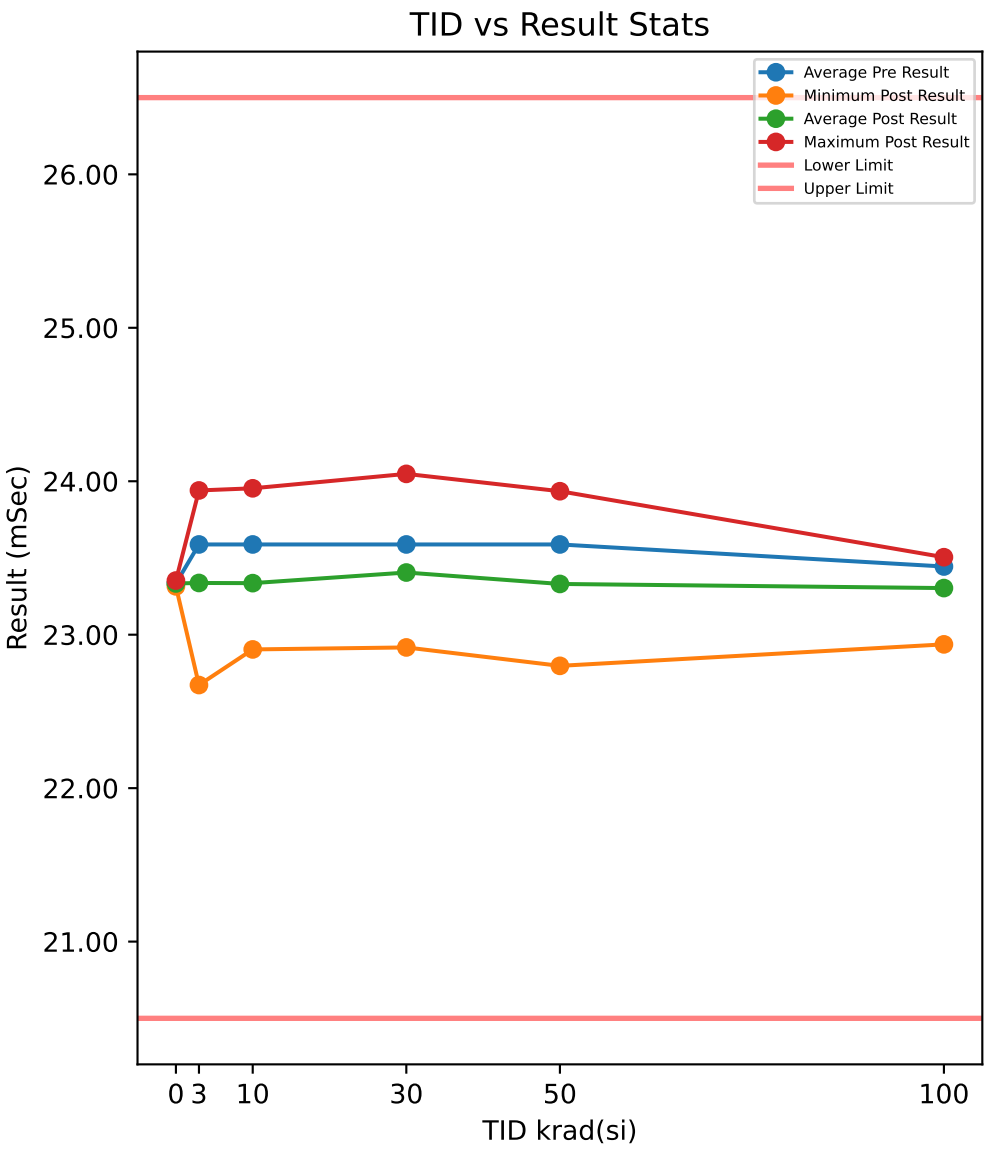

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

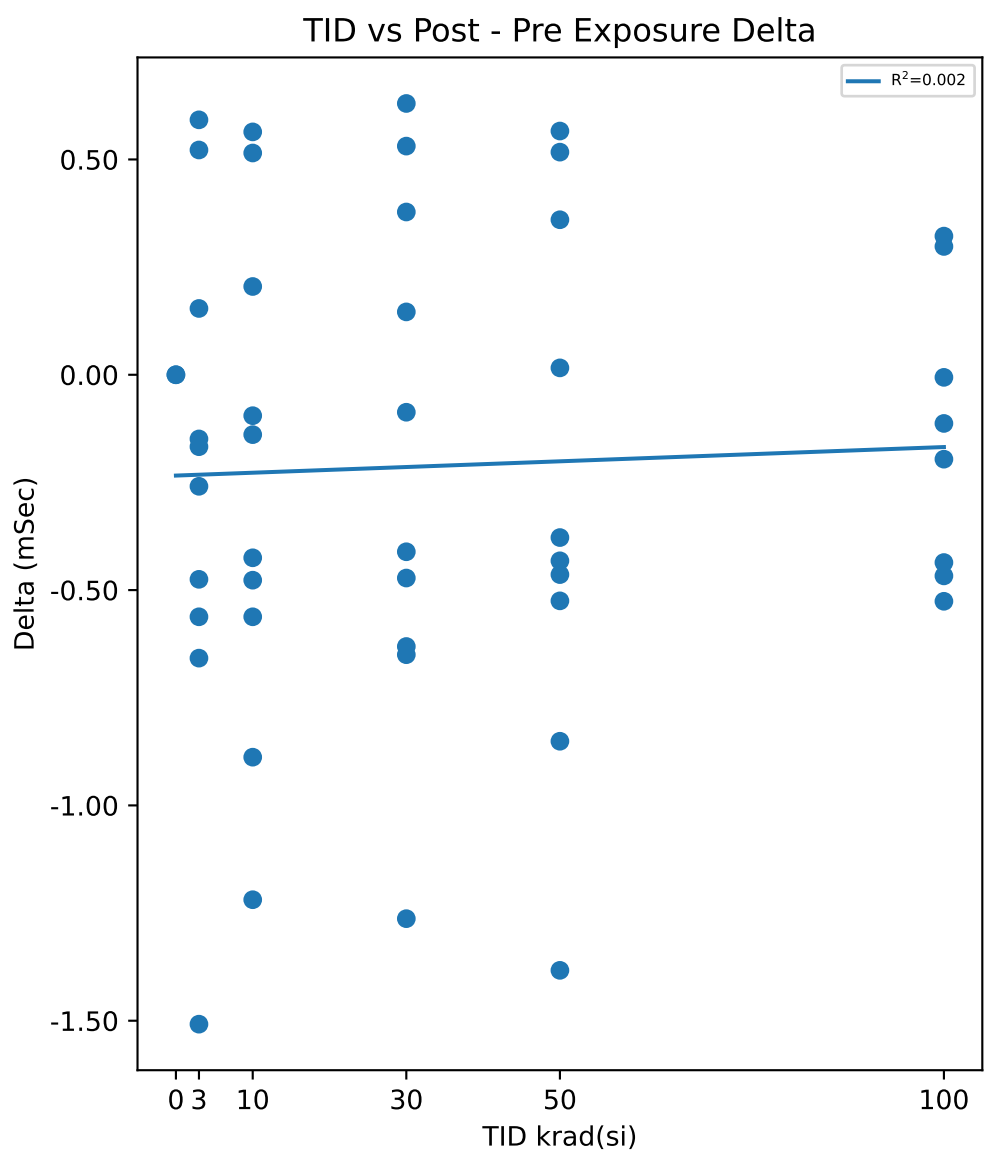
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.9 | 2.9 | 0 |
| 7 | 0 | Correlation | 3.543 | 3.543 | 0 |
| 16 | 3 | LDR-Biased | 2.866 | 2.84 | -0.026 |
| 18 | 3 | LDR-Biased | 3.16 | 3.735 | 0.575 |
| 19 | 3 | LDR-Biased | 3.532 | 2.921 | -0.611 |
| 20 | 3 | LDR-Biased | 3.581 | 3.471 | -0.11 |
| 21 | 3 | LDR-Biased | 3.682 | 3.489 | -0.193 |
| 22 | 3 | LDR-Unbiased | 3.077 | 3.05 | -0.027 |
| 23 | 3 | LDR-Unbiased | 3.081 | 3.018 | -0.063 |
| 25 | 3 | LDR-Unbiased | 3.618 | 3.745 | 0.127 |
| 26 | 3 | LDR-Unbiased | 3.298 | 3.65 | 0.352 |
| 27 | 3 | LDR-Unbiased | 3.487 | 3.703 | 0.216 |
| 46 | 10 | LDR-Biased | 2.866 | 3.552 | 0.686 |
| 48 | 10 | LDR-Biased | 3.16 | 3.256 | 0.096 |
| 49 | 10 | LDR-Biased | 3.532 | 2.913 | -0.619 |
| 50 | 10 | LDR-Biased | 3.581 | 3.611 | 0.03 |
| 51 | 10 | LDR-Biased | 3.682 | 3.303 | -0.379 |
| 52 | 10 | LDR-Unbiased | 3.077 | 3.208 | 0.131 |
| 53 | 10 | LDR-Unbiased | 3.081 | 3.222 | 0.141 |
| 55 | 10 | LDR-Unbiased | 3.618 | 3.796 | 0.178 |
| 56 | 10 | LDR-Unbiased | 3.298 | 3.629 | 0.331 |
| 57 | 10 | LDR-Unbiased | 3.487 | 3.434 | -0.053 |
| 76 | 30 | LDR-Biased | 2.866 | 3.622 | 0.756 |
| 78 | 30 | LDR-Biased | 3.16 | 3.729 | 0.569 |
| 79 | 30 | LDR-Biased | 3.532 | 3.347 | -0.185 |
| 80 | 30 | LDR-Biased | 3.581 | 3.568 | -0.013 |
| 81 | 30 | LDR-Biased | 3.682 | 3.139 | -0.543 |
| 82 | 30 | LDR-Unbiased | 3.077 | 3.022 | -0.055 |
| 83 | 30 | LDR-Unbiased | 3.081 | 3.135 | 0.054 |
| 84 | 30 | LDR-Unbiased | 3.487 | 3.523 | 0.036 |
| 85 | 30 | LDR-Unbiased | 3.618 | 3.144 | -0.474 |
| 86 | 30 | LDR-Unbiased | 3.298 | 3.016 | -0.282 |
| 87 | 100 | LDR-Biased | 3.27 | 3.354 | 0.084 |
| 88 | 100 | LDR-Biased | 3.37 | 3.649 | 0.279 |
| 90 | 100 | LDR-Biased | 3.513 | 3.723 | 0.21 |
| 91 | 100 | LDR-Unbiased | 3.541 | 3.49 | -0.051 |
| 93 | 100 | LDR-Unbiased | 3.492 | 2.961 | -0.531 |
| 94 | 100 | LDR-Unbiased | 3.739 | 3.474 | -0.265 |
| 95 | 100 | LDR-Unbiased | 3.125 | 2.919 | -0.206 |
| 96 | 100 | LDR-Unbiased | 3.689 | 3.77 | 0.081 |
| 106 | 50 | LDR-Biased | 2.866 | 2.987 | 0.121 |
| 108 | 50 | LDR-Biased | 3.16 | 2.812 | -0.348 |
| 109 | 50 | LDR-Biased | 3.532 | 3.801 | 0.269 |
| 110 | 50 | LDR-Biased | 3.581 | 3.199 | -0.382 |
| 111 | 50 | LDR-Biased | 3.682 | 2.82 | -0.862 |
| 112 | 50 | LDR-Unbiased | 3.077 | 3.423 | 0.346 |
| 113 | 50 | LDR-Unbiased | 3.081 | 2.905 | -0.176 |
| 115 | 50 | LDR-Unbiased | 3.618 | 3.033 | -0.585 |
| 116 | 50 | LDR-Unbiased | 3.298 | 3.031 | -0.267 |
| 117 | 50 | LDR-Unbiased | 3.487 | 3.018 | -0.469 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.9 | 3.2215 | 3.543 | 0.45467 | 2.9 | 3.2215 | 3.543 | 0.45467 | 0 | 0 | 0 | 0 |
| 3 | 2.866 | 3.3382 | 3.682 | 0.28005 | 2.84 | 3.3622 | 3.745 | 0.36449 | -0.611 | 0.024 | 0.575 | 0.32311 |
| 10 | 2.866 | 3.3382 | 3.682 | 0.28005 | 2.913 | 3.3924 | 3.796 | 0.26105 | -0.619 | 0.0542 | 0.686 | 0.35889 |
| 30 | 2.866 | 3.3382 | 3.682 | 0.28005 | 3.016 | 3.3245 | 3.729 | 0.26686 | -0.543 | -0.0137 | 0.756 | 0.41286 |
| 50 | 2.866 | 3.3382 | 3.682 | 0.28005 | 2.812 | 3.1029 | 3.801 | 0.30433 | -0.862 | -0.2353 | 0.346 | 0.38407 |
| 100 | 3.125 | 3.4674 | 3.739 | 0.20587 | 2.919 | 3.4175 | 3.77 | 0.32526 | -0.531 | -0.049875 | 0.279 | 0.27068 |

# Device Test: 5.100 tdly_Res1p18M_EN1_SU/EN1/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



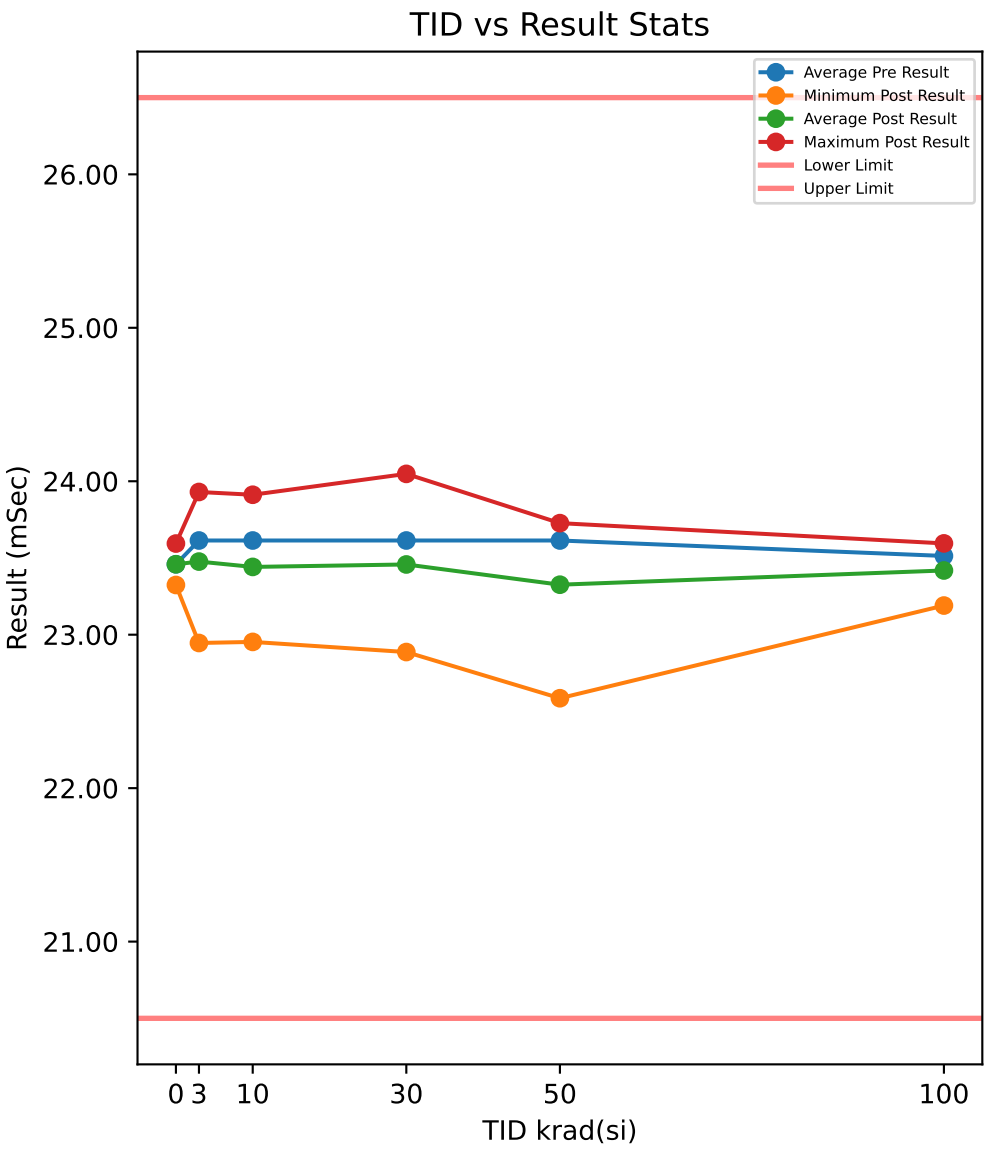

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

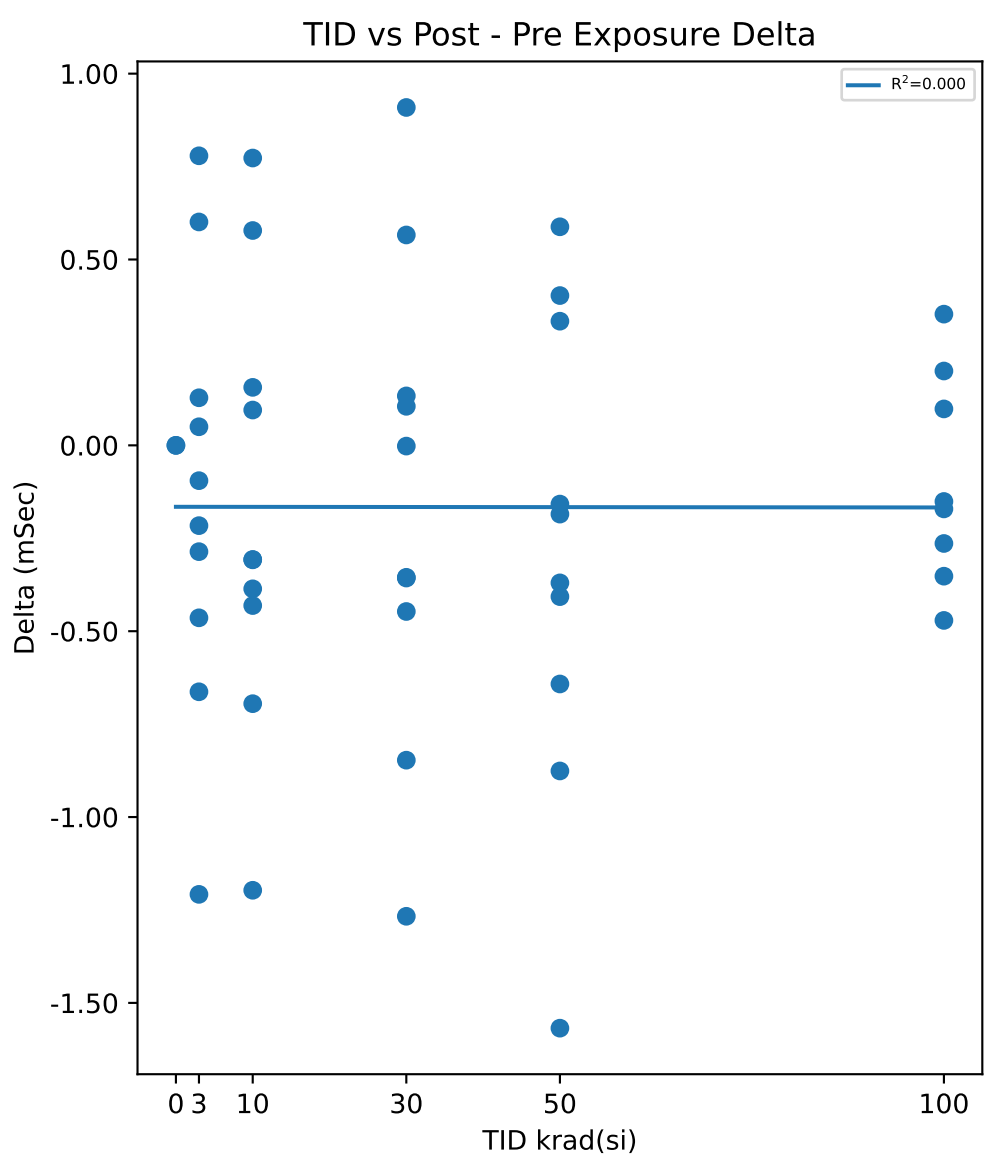
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.315 | 23.315 | 0 |
| 7 | 0 | Correlation | 23.353 | 23.353 | 0 |
| 16 | 3 | LDR-Biased | 23.846 | 23.188 | -0.658 |
| 18 | 3 | LDR-Biased | 23.492 | 23.646 | 0.154 |
| 19 | 3 | LDR-Biased | 24.004 | 23.442 | -0.562 |
| 20 | 3 | LDR-Biased | 23.422 | 23.163 | -0.259 |
| 21 | 3 | LDR-Biased | 23.147 | 22.998 | -0.149 |
| 22 | 3 | LDR-Unbiased | 22.898 | 23.49 | 0.592 |
| 23 | 3 | LDR-Unbiased | 24.093 | 23.926 | -0.167 |
| 25 | 3 | LDR-Unbiased | 24.18 | 22.672 | -1.508 |
| 26 | 3 | LDR-Unbiased | 23.381 | 22.906 | -0.475 |
| 27 | 3 | LDR-Unbiased | 23.418 | 23.94 | 0.522 |
| 46 | 10 | LDR-Biased | 23.846 | 22.958 | -0.888 |
| 48 | 10 | LDR-Biased | 23.492 | 23.697 | 0.205 |
| 49 | 10 | LDR-Biased | 24.004 | 23.442 | -0.562 |
| 50 | 10 | LDR-Biased | 23.422 | 22.997 | -0.425 |
| 51 | 10 | LDR-Biased | 23.147 | 23.052 | -0.095 |
| 52 | 10 | LDR-Unbiased | 22.898 | 23.462 | 0.564 |
| 53 | 10 | LDR-Unbiased | 24.093 | 23.954 | -0.139 |
| 55 | 10 | LDR-Unbiased | 24.18 | 22.961 | -1.219 |
| 56 | 10 | LDR-Unbiased | 23.381 | 22.904 | -0.477 |
| 57 | 10 | LDR-Unbiased | 23.418 | 23.933 | 0.515 |
| 76 | 30 | LDR-Biased | 23.846 | 23.215 | -0.631 |
| 78 | 30 | LDR-Biased | 23.492 | 23.638 | 0.146 |
| 79 | 30 | LDR-Biased | 24.004 | 23.354 | -0.65 |
| 80 | 30 | LDR-Biased | 23.422 | 22.95 | -0.472 |
| 81 | 30 | LDR-Biased | 23.147 | 23.525 | 0.378 |
| 82 | 30 | LDR-Unbiased | 22.898 | 23.429 | 0.531 |
| 83 | 30 | LDR-Unbiased | 24.093 | 24.006 | -0.087 |
| 84 | 30 | LDR-Unbiased | 23.418 | 24.048 | 0.63 |
| 85 | 30 | LDR-Unbiased | 24.18 | 22.917 | -1.263 |
| 86 | 30 | LDR-Unbiased | 23.381 | 22.97 | -0.411 |
| 87 | 100 | LDR-Biased | 23.43 | 23.424 | -0.006 |
| 88 | 100 | LDR-Biased | 23.868 | 23.342 | -0.526 |
| 90 | 100 | LDR-Biased | 23.539 | 23.343 | -0.196 |
| 91 | 100 | LDR-Unbiased | 22.891 | 23.189 | 0.298 |
| 93 | 100 | LDR-Unbiased | 22.936 | 23.258 | 0.322 |
| 94 | 100 | LDR-Unbiased | 23.869 | 23.433 | -0.436 |
| 95 | 100 | LDR-Unbiased | 23.618 | 23.505 | -0.113 |
| 96 | 100 | LDR-Unbiased | 23.404 | 22.937 | -0.467 |
| 106 | 50 | LDR-Biased | 23.846 | 22.995 | -0.851 |
| 108 | 50 | LDR-Biased | 23.492 | 23.508 | 0.016 |
| 109 | 50 | LDR-Biased | 24.004 | 23.572 | -0.432 |
| 110 | 50 | LDR-Biased | 23.422 | 23.044 | -0.378 |
| 111 | 50 | LDR-Biased | 23.147 | 23.507 | 0.36 |
| 112 | 50 | LDR-Unbiased | 22.898 | 23.464 | 0.566 |
| 113 | 50 | LDR-Unbiased | 24.093 | 23.568 | -0.525 |
| 115 | 50 | LDR-Unbiased | 24.18 | 22.797 | -1.383 |
| 116 | 50 | LDR-Unbiased | 23.381 | 22.917 | -0.464 |
| 117 | 50 | LDR-Unbiased | 23.418 | 23.935 | 0.517 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.315 | 23.334 | 23.353 | 0.02687 | 23.315 | 23.334 | 23.353 | 0.02687 | 0 | 0 | 0 | 0 |
| 3 | 22.898 | 23.588 | 24.18 | 0.42482 | 22.672 | 23.337 | 23.94 | 0.42633 | -1.508 | -0.251 | 0.592 | 0.61304 |
| 10 | 22.898 | 23.588 | 24.18 | 0.42482 | 22.904 | 23.336 | 23.954 | 0.41653 | -1.219 | -0.2521 | 0.564 | 0.57895 |
| 30 | 22.898 | 23.588 | 24.18 | 0.42482 | 22.917 | 23.405 | 24.048 | 0.41056 | -1.263 | -0.1829 | 0.63 | 0.6077 |
| 50 | 22.898 | 23.588 | 24.18 | 0.42482 | 22.797 | 23.331 | 23.935 | 0.3668 | -1.383 | -0.2574 | 0.566 | 0.6247 |
| 100 | 22.891 | 23.444 | 23.869 | 0.37136 | 22.937 | 23.304 | 23.505 | 0.17906 | -0.526 | -0.1405 | 0.322 | 0.3318 |

# Device Test: 5.101 tdly_Res1p18M_EN2_SU/EN2/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



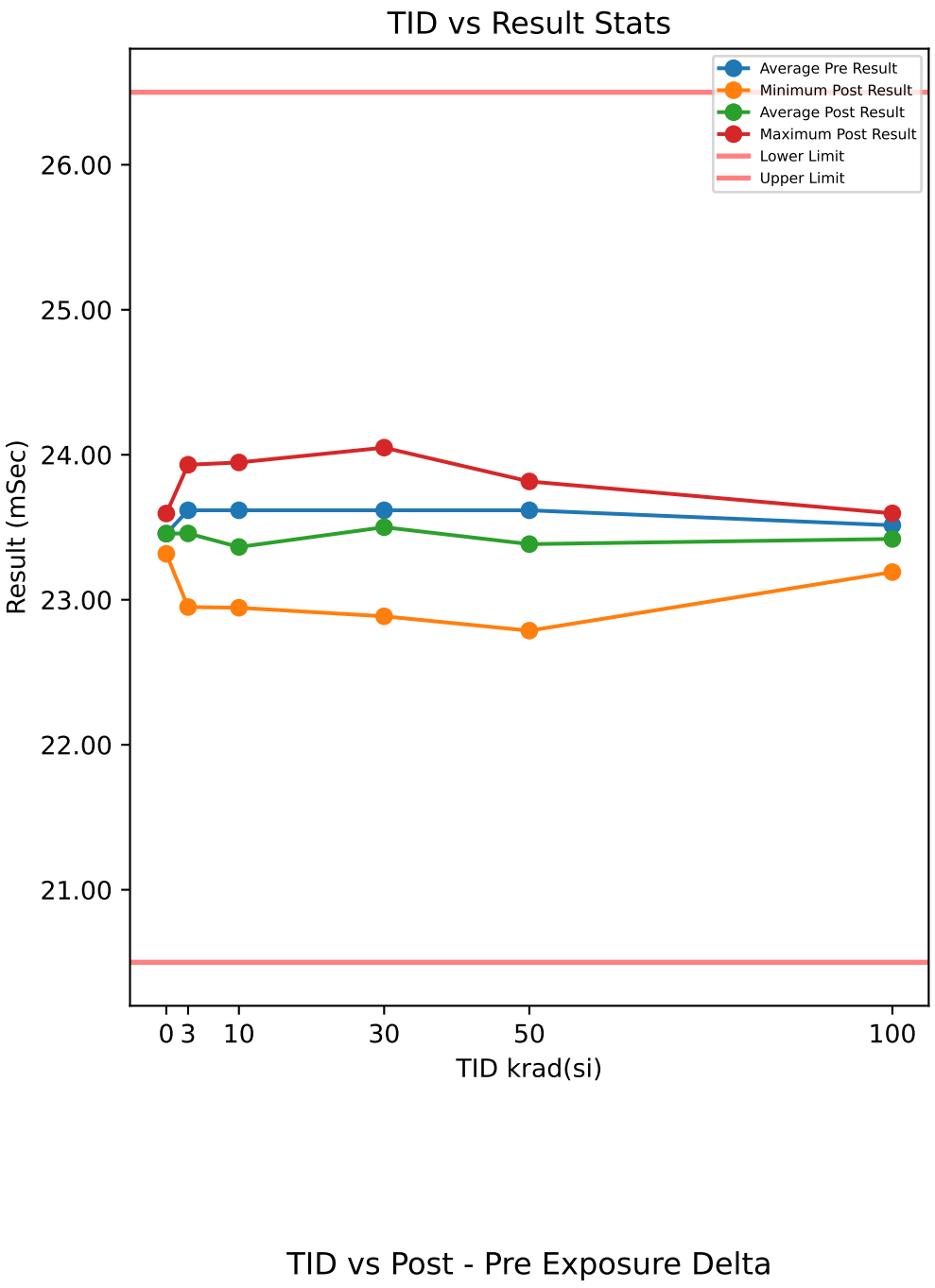

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

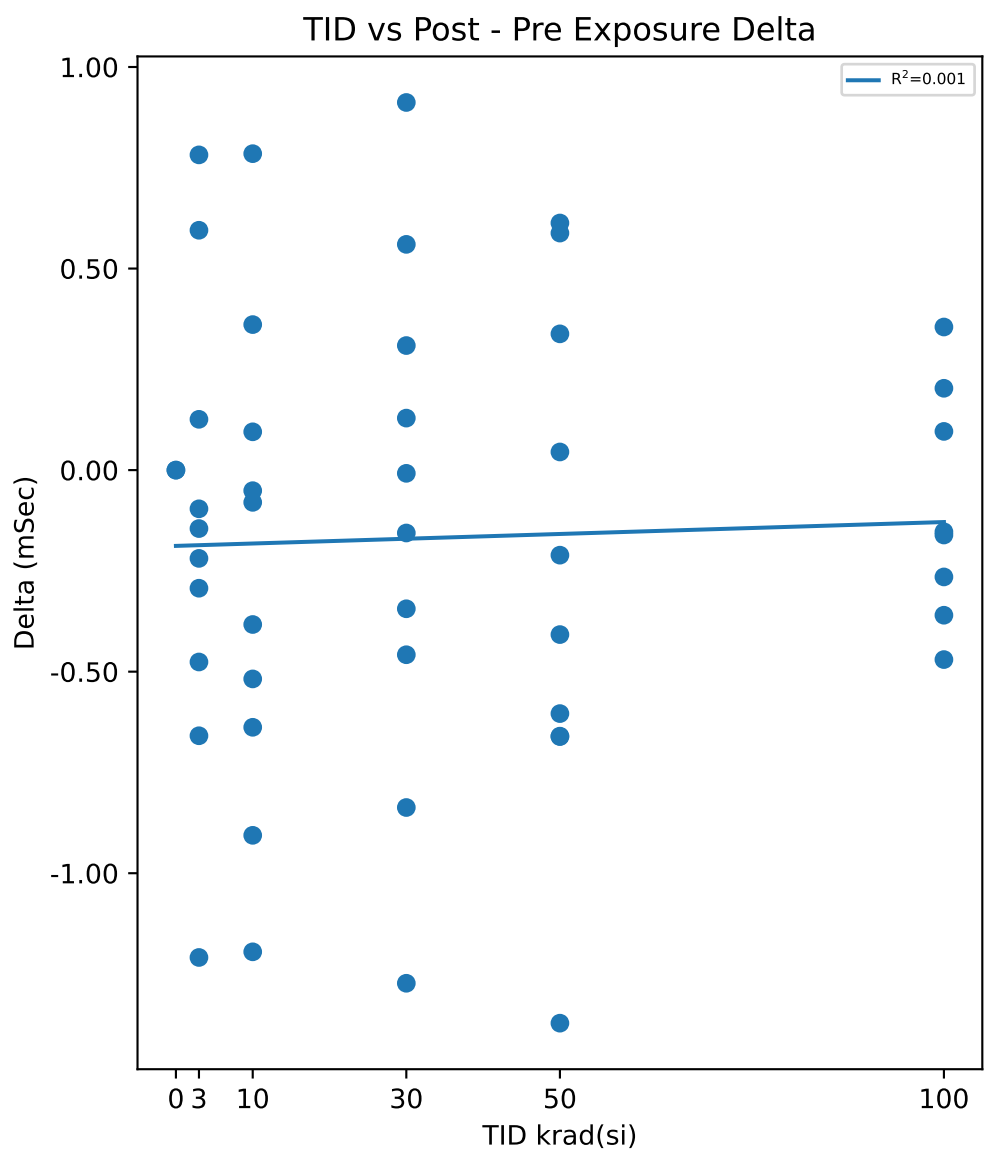
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.594 | 23.594 | 0 |
| 7 | 0 | Correlation | 23.324 | 23.324 | 0 |
| 16 | 3 | LDR-Biased | 23.853 | 23.19 | -0.663 |
| 18 | 3 | LDR-Biased | 23.743 | 23.871 | 0.128 |
| 19 | 3 | LDR-Biased | 23.968 | 23.682 | -0.286 |
| 20 | 3 | LDR-Biased | 23.642 | 23.178 | -0.464 |
| 21 | 3 | LDR-Biased | 23.153 | 23.203 | 0.05 |
| 22 | 3 | LDR-Unbiased | 23.123 | 23.724 | 0.601 |
| 23 | 3 | LDR-Unbiased | 24.025 | 23.93 | -0.095 |
| 25 | 3 | LDR-Unbiased | 24.154 | 22.946 | -1.208 |
| 26 | 3 | LDR-Unbiased | 23.339 | 23.123 | -0.216 |
| 27 | 3 | LDR-Unbiased | 23.139 | 23.918 | 0.779 |
| 46 | 10 | LDR-Biased | 23.853 | 23.158 | -0.695 |
| 48 | 10 | LDR-Biased | 23.743 | 23.899 | 0.156 |
| 49 | 10 | LDR-Biased | 23.968 | 23.66 | -0.308 |
| 50 | 10 | LDR-Biased | 23.642 | 23.211 | -0.431 |
| 51 | 10 | LDR-Biased | 23.153 | 23.248 | 0.095 |
| 52 | 10 | LDR-Unbiased | 23.123 | 23.701 | 0.578 |
| 53 | 10 | LDR-Unbiased | 24.025 | 23.718 | -0.307 |
| 55 | 10 | LDR-Unbiased | 24.154 | 22.957 | -1.197 |
| 56 | 10 | LDR-Unbiased | 23.339 | 22.953 | -0.386 |
| 57 | 10 | LDR-Unbiased | 23.139 | 23.912 | 0.773 |
| 76 | 30 | LDR-Biased | 23.853 | 23.006 | -0.847 |
| 78 | 30 | LDR-Biased | 23.743 | 23.876 | 0.133 |
| 79 | 30 | LDR-Biased | 23.968 | 23.613 | -0.355 |
| 80 | 30 | LDR-Biased | 23.642 | 23.195 | -0.447 |
| 81 | 30 | LDR-Biased | 23.153 | 23.258 | 0.105 |
| 82 | 30 | LDR-Unbiased | 23.123 | 23.689 | 0.566 |
| 83 | 30 | LDR-Unbiased | 24.025 | 24.023 | -0.002 |
| 84 | 30 | LDR-Unbiased | 23.139 | 24.048 | 0.909 |
| 85 | 30 | LDR-Unbiased | 24.154 | 22.887 | -1.267 |
| 86 | 30 | LDR-Unbiased | 23.339 | 22.982 | -0.357 |
| 87 | 100 | LDR-Biased | 23.177 | 23.377 | 0.2 |
| 88 | 100 | LDR-Biased | 23.856 | 23.592 | -0.264 |
| 90 | 100 | LDR-Biased | 23.746 | 23.595 | -0.151 |
| 91 | 100 | LDR-Unbiased | 23.129 | 23.482 | 0.353 |
| 93 | 100 | LDR-Unbiased | 23.153 | 23.251 | 0.098 |
| 94 | 100 | LDR-Unbiased | 23.854 | 23.383 | -0.471 |
| 95 | 100 | LDR-Unbiased | 23.83 | 23.478 | -0.352 |
| 96 | 100 | LDR-Unbiased | 23.361 | 23.19 | -0.171 |
| 106 | 50 | LDR-Biased | 23.853 | 22.977 | -0.876 |
| 108 | 50 | LDR-Biased | 23.743 | 23.585 | -0.158 |
| 109 | 50 | LDR-Biased | 23.968 | 23.326 | -0.642 |
| 110 | 50 | LDR-Biased | 23.642 | 23.272 | -0.37 |
| 111 | 50 | LDR-Biased | 23.153 | 23.487 | 0.334 |
| 112 | 50 | LDR-Unbiased | 23.123 | 23.526 | 0.403 |
| 113 | 50 | LDR-Unbiased | 24.025 | 23.618 | -0.407 |
| 115 | 50 | LDR-Unbiased | 24.154 | 22.586 | -1.568 |
| 116 | 50 | LDR-Unbiased | 23.339 | 23.154 | -0.185 |
| 117 | 50 | LDR-Unbiased | 23.139 | 23.727 | 0.588 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.324 | 23.459 | 23.594 | 0.19092 | 23.324 | 23.459 | 23.594 | 0.19092 | 0 | 0 | 0 | 0 |
| 3 | 23.123 | 23.614 | 24.154 | 0.39655 | 22.946 | 23.476 | 23.93 | 0.38182 | -1.208 | -0.1374 | 0.779 | 0.58212 |
| 10 | 23.123 | 23.614 | 24.154 | 0.39655 | 22.953 | 23.442 | 23.912 | 0.37513 | -1.197 | -0.1722 | 0.773 | 0.58766 |
| 30 | 23.123 | 23.614 | 24.154 | 0.39655 | 22.887 | 23.458 | 24.048 | 0.44541 | -1.267 | -0.1562 | 0.909 | 0.64182 |
| 50 | 23.123 | 23.614 | 24.154 | 0.39655 | 22.586 | 23.326 | 23.727 | 0.34657 | -1.568 | -0.2881 | 0.588 | 0.6489 |
| 100 | 23.129 | 23.513 | 23.856 | 0.33843 | 23.19 | 23.419 | 23.595 | 0.1474 | -0.471 | -0.09475 | 0.353 | 0.28533 |

# Device Test: 5.102 tdly_Res1p18M_EN3_SU/EN3/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



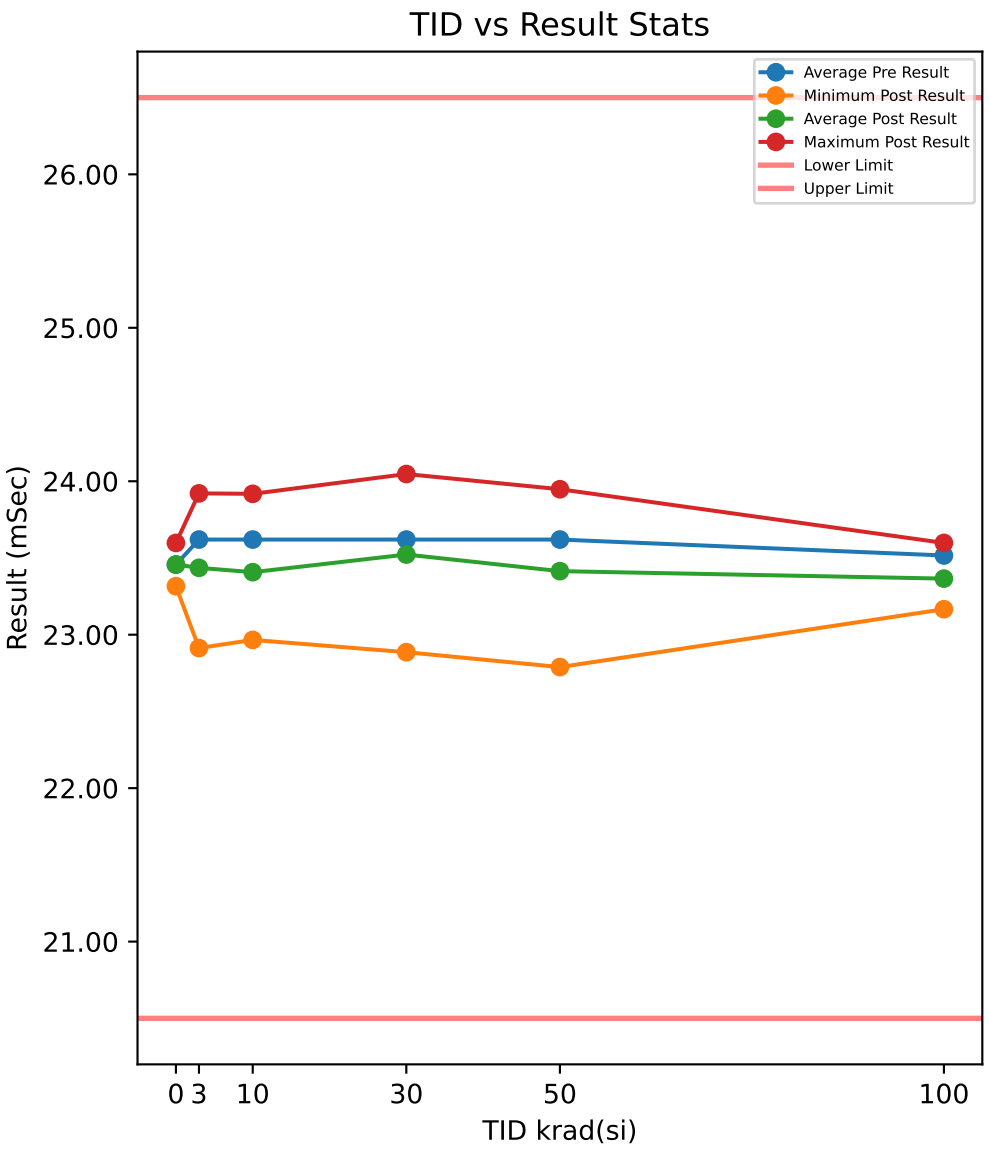

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

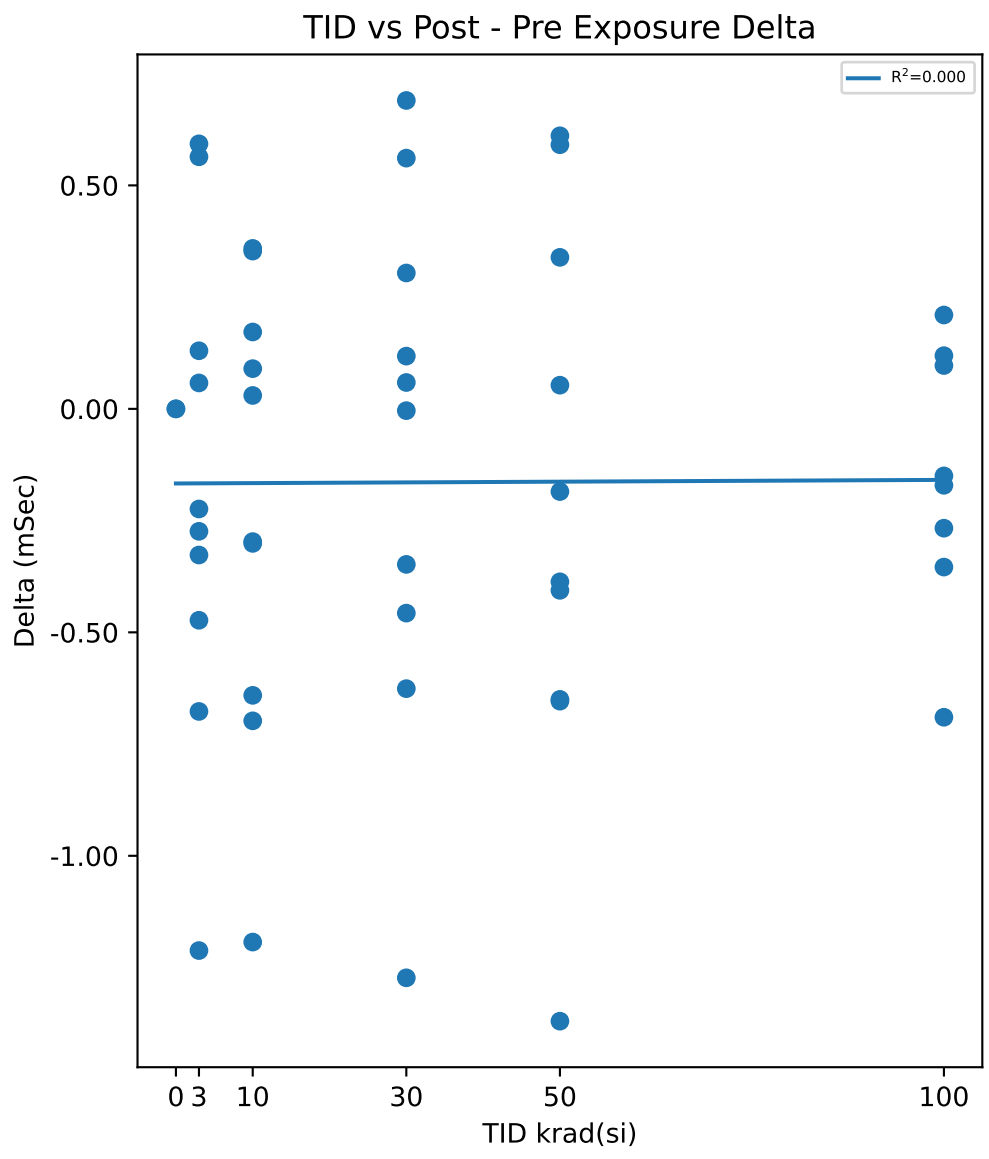
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.595 | 23.595 | 0 |
| 7 | 0 | Correlation | 23.317 | 23.317 | 0 |
| 16 | 3 | LDR-Biased | 23.851 | 23.192 | -0.659 |
| 18 | 3 | LDR-Biased | 23.747 | 23.873 | 0.126 |
| 19 | 3 | LDR-Biased | 23.971 | 23.678 | -0.293 |
| 20 | 3 | LDR-Biased | 23.651 | 23.175 | -0.476 |
| 21 | 3 | LDR-Biased | 23.154 | 23.009 | -0.145 |
| 22 | 3 | LDR-Unbiased | 23.13 | 23.725 | 0.595 |
| 23 | 3 | LDR-Unbiased | 24.027 | 23.931 | -0.096 |
| 25 | 3 | LDR-Unbiased | 24.159 | 22.95 | -1.209 |
| 26 | 3 | LDR-Unbiased | 23.343 | 23.124 | -0.219 |
| 27 | 3 | LDR-Unbiased | 23.137 | 23.919 | 0.782 |
| 46 | 10 | LDR-Biased | 23.851 | 22.945 | -0.906 |
| 48 | 10 | LDR-Biased | 23.747 | 23.696 | -0.051 |
| 49 | 10 | LDR-Biased | 23.971 | 23.453 | -0.518 |
| 50 | 10 | LDR-Biased | 23.651 | 23.013 | -0.638 |
| 51 | 10 | LDR-Biased | 23.154 | 23.249 | 0.095 |
| 52 | 10 | LDR-Unbiased | 23.13 | 23.491 | 0.361 |
| 53 | 10 | LDR-Unbiased | 24.027 | 23.947 | -0.08 |
| 55 | 10 | LDR-Unbiased | 24.159 | 22.964 | -1.195 |
| 56 | 10 | LDR-Unbiased | 23.343 | 22.96 | -0.383 |
| 57 | 10 | LDR-Unbiased | 23.137 | 23.922 | 0.785 |
| 76 | 30 | LDR-Biased | 23.851 | 23.014 | -0.837 |
| 78 | 30 | LDR-Biased | 23.747 | 23.876 | 0.129 |
| 79 | 30 | LDR-Biased | 23.971 | 23.627 | -0.344 |
| 80 | 30 | LDR-Biased | 23.651 | 23.193 | -0.458 |
| 81 | 30 | LDR-Biased | 23.154 | 23.463 | 0.309 |
| 82 | 30 | LDR-Unbiased | 23.13 | 23.69 | 0.56 |
| 83 | 30 | LDR-Unbiased | 24.027 | 24.019 | -0.008 |
| 84 | 30 | LDR-Unbiased | 23.137 | 24.049 | 0.912 |
| 85 | 30 | LDR-Unbiased | 24.159 | 22.886 | -1.273 |
| 86 | 30 | LDR-Unbiased | 23.343 | 23.187 | -0.156 |
| 87 | 100 | LDR-Biased | 23.176 | 23.379 | 0.203 |
| 88 | 100 | LDR-Biased | 23.859 | 23.594 | -0.265 |
| 90 | 100 | LDR-Biased | 23.749 | 23.596 | -0.153 |
| 91 | 100 | LDR-Unbiased | 23.128 | 23.483 | 0.355 |
| 93 | 100 | LDR-Unbiased | 23.156 | 23.252 | 0.096 |
| 94 | 100 | LDR-Unbiased | 23.854 | 23.384 | -0.47 |
| 95 | 100 | LDR-Unbiased | 23.836 | 23.476 | -0.36 |
| 96 | 100 | LDR-Unbiased | 23.352 | 23.191 | -0.161 |
| 106 | 50 | LDR-Biased | 23.851 | 23.19 | -0.661 |
| 108 | 50 | LDR-Biased | 23.747 | 23.792 | 0.045 |
| 109 | 50 | LDR-Biased | 23.971 | 23.311 | -0.66 |
| 110 | 50 | LDR-Biased | 23.651 | 23.047 | -0.604 |
| 111 | 50 | LDR-Biased | 23.154 | 23.492 | 0.338 |
| 112 | 50 | LDR-Unbiased | 23.13 | 23.743 | 0.613 |
| 113 | 50 | LDR-Unbiased | 24.027 | 23.816 | -0.211 |
| 115 | 50 | LDR-Unbiased | 24.159 | 22.787 | -1.372 |
| 116 | 50 | LDR-Unbiased | 23.343 | 22.935 | -0.408 |
| 117 | 50 | LDR-Unbiased | 23.137 | 23.725 | 0.588 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.317 | 23.456 | 23.595 | 0.19658 | 23.317 | 23.456 | 23.595 | 0.19658 | 0 | 0 | 0 | 0 |
| 3 | 23.13 | 23.617 | 24.159 | 0.39679 | 22.95 | 23.458 | 23.931 | 0.40142 | -1.209 | -0.1594 | 0.782 | 0.57869 |
| 10 | 23.13 | 23.617 | 24.159 | 0.39679 | 22.945 | 23.364 | 23.947 | 0.39731 | -1.195 | -0.253 | 0.785 | 0.59586 |
| 30 | 23.13 | 23.617 | 24.159 | 0.39679 | 22.886 | 23.5 | 24.049 | 0.41782 | -1.273 | -0.1166 | 0.912 | 0.64937 |
| 50 | 23.13 | 23.617 | 24.159 | 0.39679 | 22.787 | 23.384 | 23.816 | 0.38362 | -1.372 | -0.2332 | 0.613 | 0.63462 |
| 100 | 23.128 | 23.514 | 23.859 | 0.34042 | 23.191 | 23.419 | 23.596 | 0.14736 | -0.47 | -0.094375 | 0.355 | 0.28667 |

# Device Test: 5.103 tdly_Res1p18M_EN4_SU/EN4/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



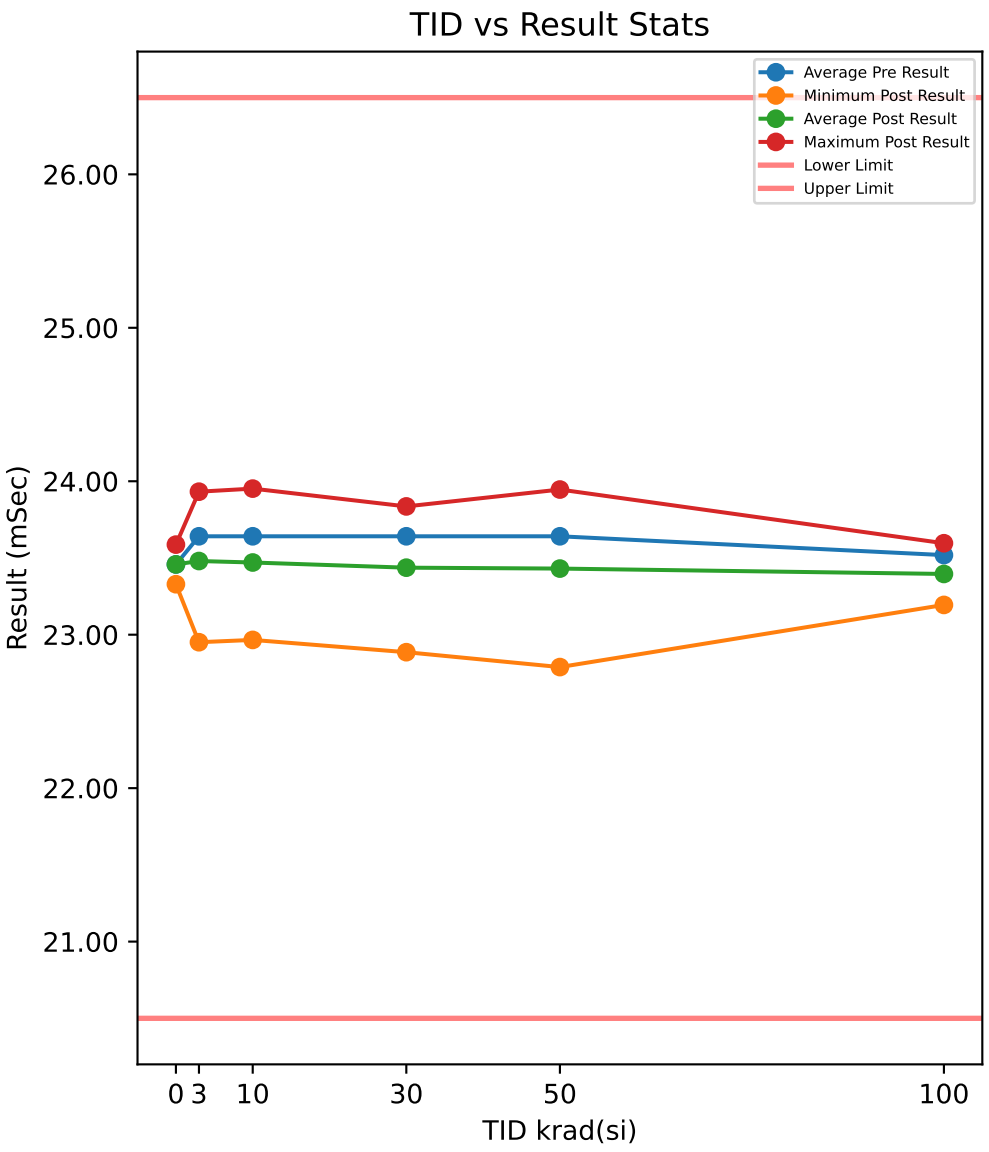

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

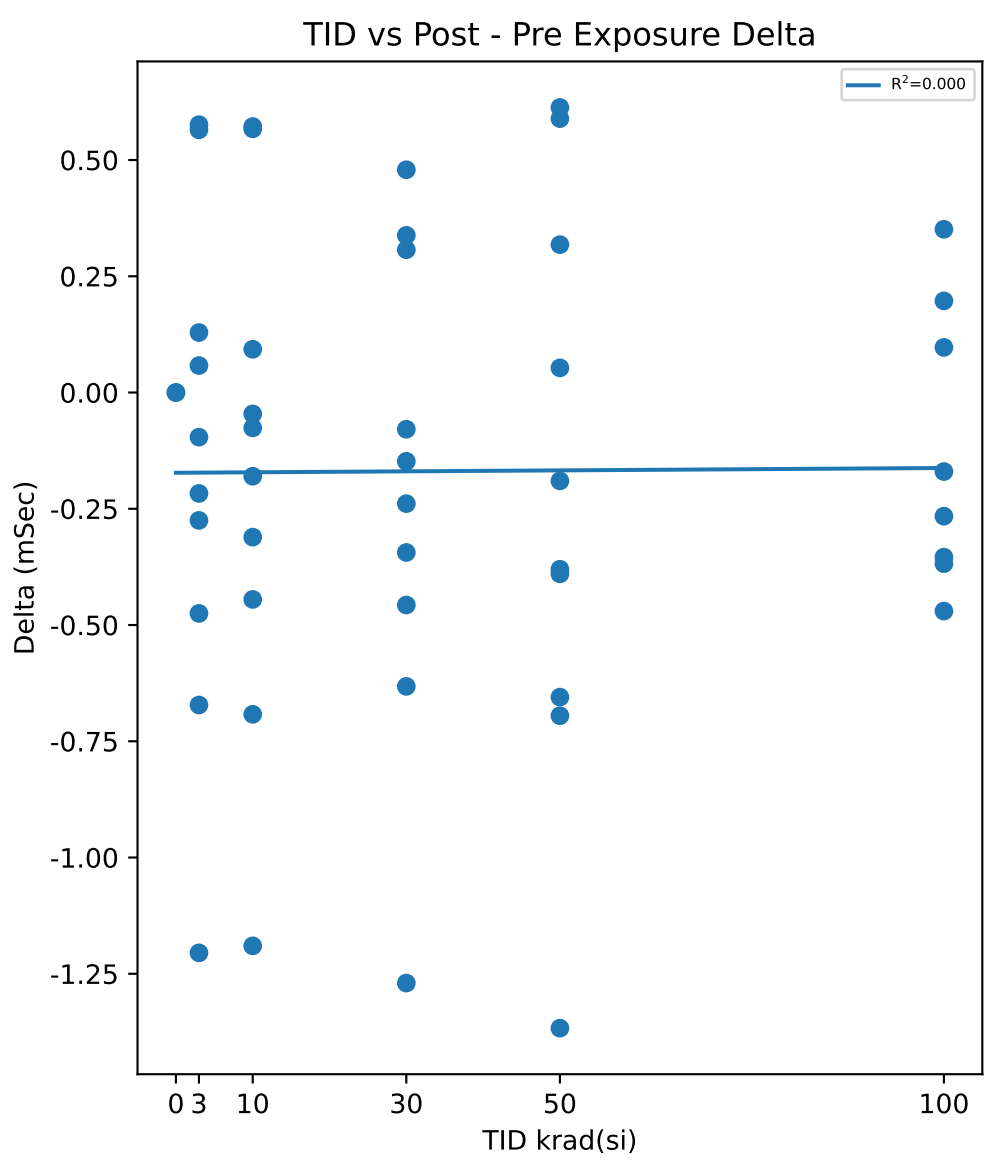
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.598 | 23.598 | 0 |
| 7 | 0 | Correlation | 23.316 | 23.316 | 0 |
| 16 | 3 | LDR-Biased | 23.856 | 23.179 | -0.677 |
| 18 | 3 | LDR-Biased | 23.746 | 23.876 | 0.13 |
| 19 | 3 | LDR-Biased | 23.973 | 23.699 | -0.274 |
| 20 | 3 | LDR-Biased | 23.654 | 23.181 | -0.473 |
| 21 | 3 | LDR-Biased | 23.156 | 23.214 | 0.058 |
| 22 | 3 | LDR-Unbiased | 23.132 | 23.725 | 0.593 |
| 23 | 3 | LDR-Unbiased | 24.03 | 23.703 | -0.327 |
| 25 | 3 | LDR-Unbiased | 24.159 | 22.947 | -1.212 |
| 26 | 3 | LDR-Unbiased | 23.137 | 22.913 | -0.224 |
| 27 | 3 | LDR-Unbiased | 23.357 | 23.921 | 0.564 |
| 46 | 10 | LDR-Biased | 23.856 | 23.158 | -0.698 |
| 48 | 10 | LDR-Biased | 23.746 | 23.918 | 0.172 |
| 49 | 10 | LDR-Biased | 23.973 | 23.676 | -0.297 |
| 50 | 10 | LDR-Biased | 23.654 | 23.013 | -0.641 |
| 51 | 10 | LDR-Biased | 23.156 | 23.246 | 0.09 |
| 52 | 10 | LDR-Unbiased | 23.132 | 23.485 | 0.353 |
| 53 | 10 | LDR-Unbiased | 24.03 | 23.729 | -0.301 |
| 55 | 10 | LDR-Unbiased | 24.159 | 22.966 | -1.193 |
| 56 | 10 | LDR-Unbiased | 23.137 | 23.167 | 0.03 |
| 57 | 10 | LDR-Unbiased | 23.357 | 23.716 | 0.359 |
| 76 | 30 | LDR-Biased | 23.856 | 23.23 | -0.626 |
| 78 | 30 | LDR-Biased | 23.746 | 23.864 | 0.118 |
| 79 | 30 | LDR-Biased | 23.973 | 23.625 | -0.348 |
| 80 | 30 | LDR-Biased | 23.654 | 23.197 | -0.457 |
| 81 | 30 | LDR-Biased | 23.156 | 23.46 | 0.304 |
| 82 | 30 | LDR-Unbiased | 23.132 | 23.693 | 0.561 |
| 83 | 30 | LDR-Unbiased | 24.03 | 24.026 | -0.004 |
| 84 | 30 | LDR-Unbiased | 23.357 | 24.047 | 0.69 |
| 85 | 30 | LDR-Unbiased | 24.159 | 22.886 | -1.273 |
| 86 | 30 | LDR-Unbiased | 23.137 | 23.196 | 0.059 |
| 87 | 100 | LDR-Biased | 23.17 | 23.38 | 0.21 |
| 88 | 100 | LDR-Biased | 23.86 | 23.593 | -0.267 |
| 90 | 100 | LDR-Biased | 23.748 | 23.598 | -0.15 |
| 91 | 100 | LDR-Unbiased | 23.134 | 23.253 | 0.119 |
| 93 | 100 | LDR-Unbiased | 23.159 | 23.256 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.856 | 23.166 | -0.69 |
| 95 | 100 | LDR-Unbiased | 23.838 | 23.484 | -0.354 |
| 96 | 100 | LDR-Unbiased | 23.365 | 23.194 | -0.171 |
| 106 | 50 | LDR-Biased | 23.856 | 23.202 | -0.654 |
| 108 | 50 | LDR-Biased | 23.746 | 23.799 | 0.053 |
| 109 | 50 | LDR-Biased | 23.973 | 23.323 | -0.65 |
| 110 | 50 | LDR-Biased | 23.654 | 23.267 | -0.387 |
| 111 | 50 | LDR-Biased | 23.156 | 23.495 | 0.339 |
| 112 | 50 | LDR-Unbiased | 23.132 | 23.743 | 0.611 |
| 113 | 50 | LDR-Unbiased | 24.03 | 23.624 | -0.406 |
| 115 | 50 | LDR-Unbiased | 24.159 | 22.789 | -1.37 |
| 116 | 50 | LDR-Unbiased | 23.137 | 22.952 | -0.185 |
| 117 | 50 | LDR-Unbiased | 23.357 | 23.948 | 0.591 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.316 | 23.457 | 23.598 | 0.1994 | 23.316 | 23.457 | 23.598 | 0.1994 | 0 | 0 | 0 | 0 |
| 3 | 23.132 | 23.62 | 24.159 | 0.39607 | 22.913 | 23.436 | 23.921 | 0.3867 | -1.212 | -0.1842 | 0.593 | 0.55115 |
| 10 | 23.132 | 23.62 | 24.159 | 0.39607 | 22.966 | 23.407 | 23.918 | 0.33895 | -1.193 | -0.2126 | 0.359 | 0.50993 |
| 30 | 23.132 | 23.62 | 24.159 | 0.39607 | 22.886 | 23.522 | 24.047 | 0.39327 | -1.273 | -0.0976 | 0.69 | 0.5914 |
| 50 | 23.132 | 23.62 | 24.159 | 0.39607 | 22.789 | 23.414 | 23.948 | 0.37582 | -1.37 | -0.2058 | 0.611 | 0.62296 |
| 100 | 23.134 | 23.516 | 23.86 | 0.33961 | 23.166 | 23.366 | 23.598 | 0.17482 | -0.69 | -0.15075 | 0.21 | 0.29528 |

# Device Test: 5.104 tdly_Res1p18M_SEQ_SU/SEQ_DONE/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



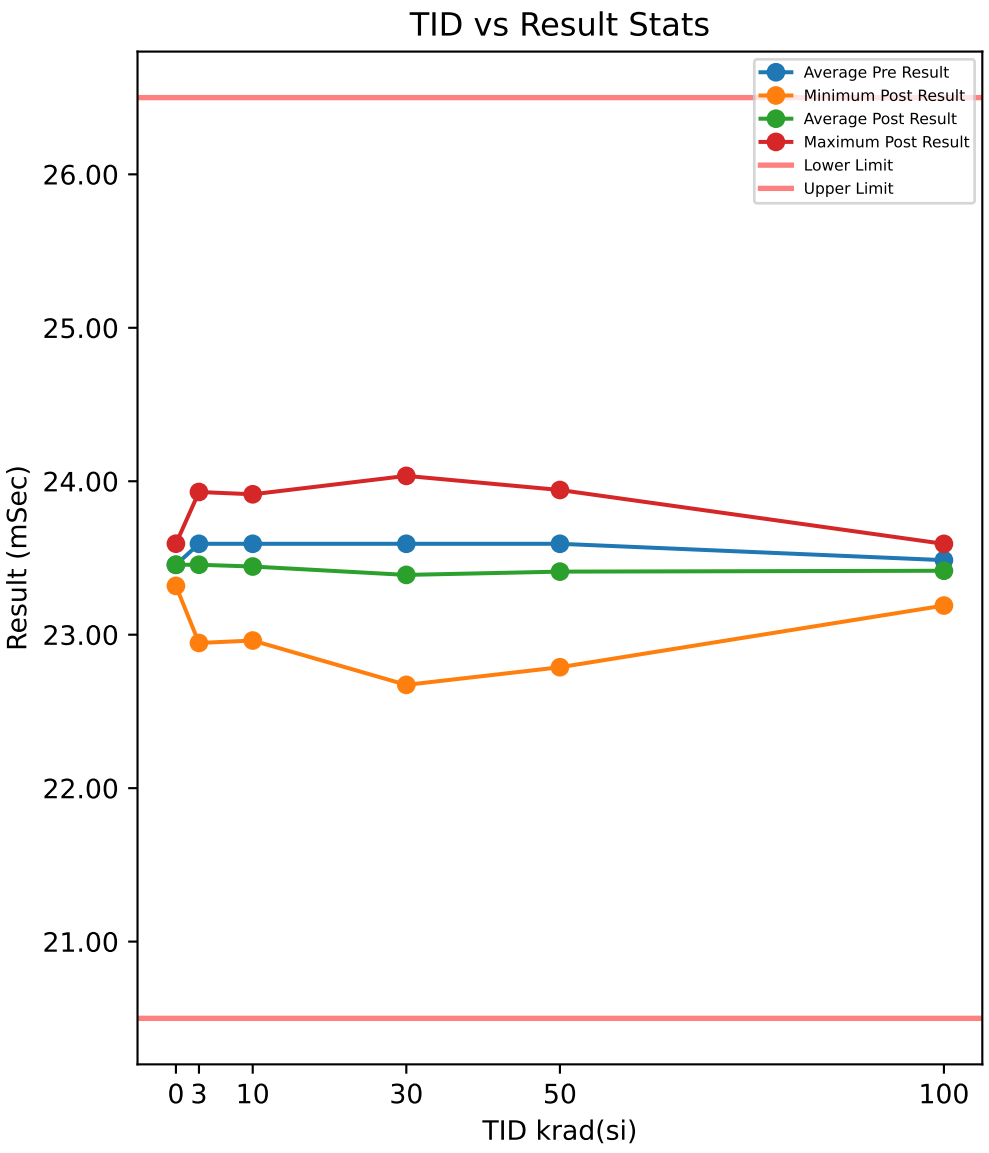

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

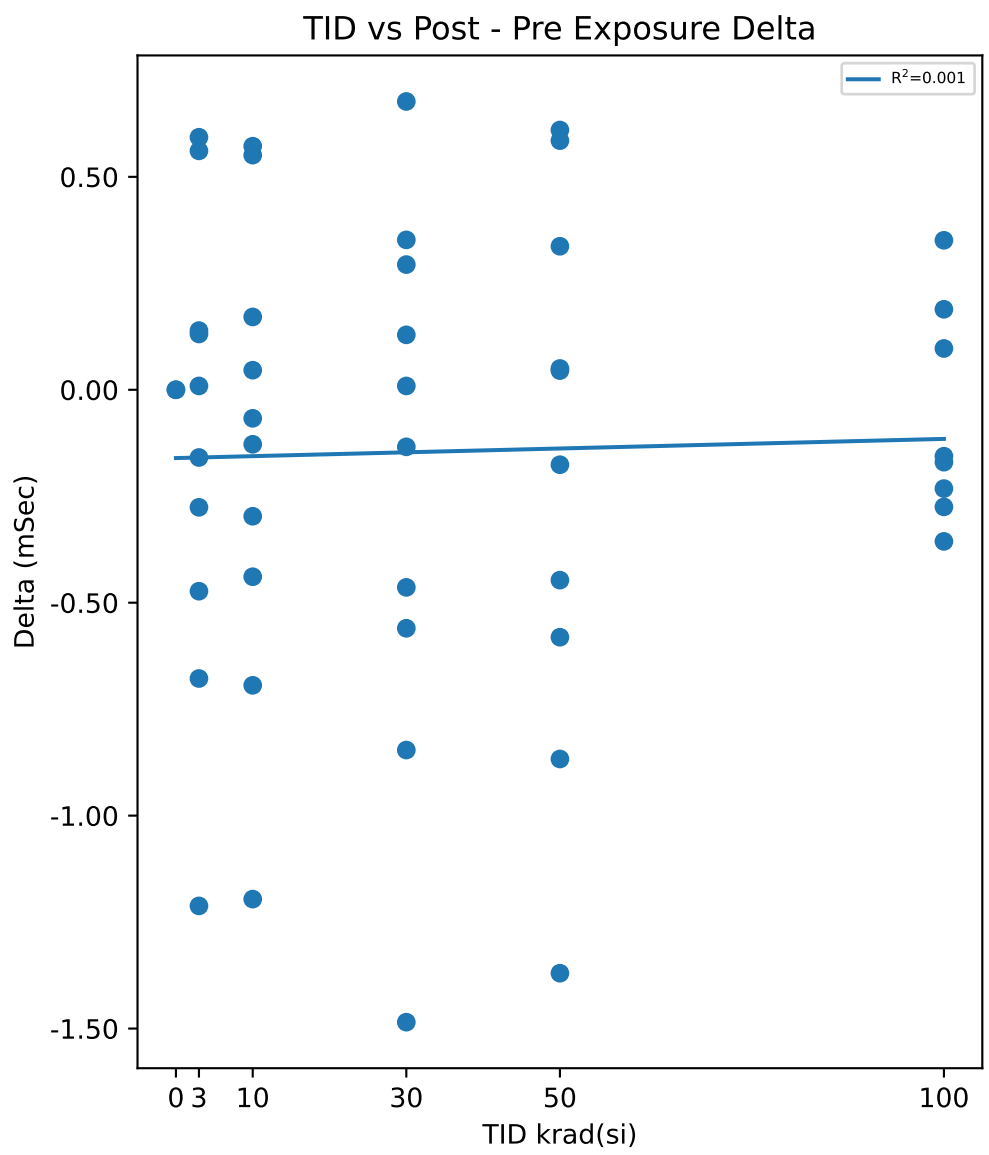
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.587 | 23.587 | 0 |
| 7 | 0 | Correlation | 23.329 | 23.329 | 0 |
| 16 | 3 | LDR-Biased | 23.858 | 23.186 | -0.672 |
| 18 | 3 | LDR-Biased | 23.748 | 23.877 | 0.129 |
| 19 | 3 | LDR-Biased | 23.975 | 23.7 | -0.275 |
| 20 | 3 | LDR-Biased | 23.655 | 23.18 | -0.475 |
| 21 | 3 | LDR-Biased | 23.158 | 23.216 | 0.058 |
| 22 | 3 | LDR-Unbiased | 23.133 | 23.709 | 0.576 |
| 23 | 3 | LDR-Unbiased | 24.028 | 23.932 | -0.096 |
| 25 | 3 | LDR-Unbiased | 24.156 | 22.951 | -1.205 |
| 26 | 3 | LDR-Unbiased | 23.345 | 23.128 | -0.217 |
| 27 | 3 | LDR-Unbiased | 23.357 | 23.922 | 0.565 |
| 46 | 10 | LDR-Biased | 23.858 | 23.166 | -0.692 |
| 48 | 10 | LDR-Biased | 23.748 | 23.702 | -0.046 |
| 49 | 10 | LDR-Biased | 23.975 | 23.664 | -0.311 |
| 50 | 10 | LDR-Biased | 23.655 | 23.21 | -0.445 |
| 51 | 10 | LDR-Biased | 23.158 | 23.251 | 0.093 |
| 52 | 10 | LDR-Unbiased | 23.133 | 23.705 | 0.572 |
| 53 | 10 | LDR-Unbiased | 24.028 | 23.952 | -0.076 |
| 55 | 10 | LDR-Unbiased | 24.156 | 22.966 | -1.19 |
| 56 | 10 | LDR-Unbiased | 23.345 | 23.165 | -0.18 |
| 57 | 10 | LDR-Unbiased | 23.357 | 23.924 | 0.567 |
| 76 | 30 | LDR-Biased | 23.858 | 23.226 | -0.632 |
| 78 | 30 | LDR-Biased | 23.748 | 23.669 | -0.079 |
| 79 | 30 | LDR-Biased | 23.975 | 23.631 | -0.344 |
| 80 | 30 | LDR-Biased | 23.655 | 23.198 | -0.457 |
| 81 | 30 | LDR-Biased | 23.158 | 23.465 | 0.307 |
| 82 | 30 | LDR-Unbiased | 23.133 | 23.471 | 0.338 |
| 83 | 30 | LDR-Unbiased | 24.028 | 23.789 | -0.239 |
| 84 | 30 | LDR-Unbiased | 23.357 | 23.836 | 0.479 |
| 85 | 30 | LDR-Unbiased | 24.156 | 22.886 | -1.27 |
| 86 | 30 | LDR-Unbiased | 23.345 | 23.197 | -0.148 |
| 87 | 100 | LDR-Biased | 23.184 | 23.381 | 0.197 |
| 88 | 100 | LDR-Biased | 23.862 | 23.596 | -0.266 |
| 90 | 100 | LDR-Biased | 23.752 | 23.384 | -0.368 |
| 91 | 100 | LDR-Unbiased | 23.135 | 23.486 | 0.351 |
| 93 | 100 | LDR-Unbiased | 23.158 | 23.255 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.857 | 23.387 | -0.47 |
| 95 | 100 | LDR-Unbiased | 23.838 | 23.484 | -0.354 |
| 96 | 100 | LDR-Unbiased | 23.364 | 23.194 | -0.17 |
| 106 | 50 | LDR-Biased | 23.858 | 23.203 | -0.655 |
| 108 | 50 | LDR-Biased | 23.748 | 23.801 | 0.053 |
| 109 | 50 | LDR-Biased | 23.975 | 23.28 | -0.695 |
| 110 | 50 | LDR-Biased | 23.655 | 23.275 | -0.38 |
| 111 | 50 | LDR-Biased | 23.158 | 23.476 | 0.318 |
| 112 | 50 | LDR-Unbiased | 23.133 | 23.746 | 0.613 |
| 113 | 50 | LDR-Unbiased | 24.028 | 23.838 | -0.19 |
| 115 | 50 | LDR-Unbiased | 24.156 | 22.789 | -1.367 |
| 116 | 50 | LDR-Unbiased | 23.345 | 22.955 | -0.39 |
| 117 | 50 | LDR-Unbiased | 23.357 | 23.946 | 0.589 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.329 | 23.458 | 23.587 | 0.18243 | 23.329 | 23.458 | 23.587 | 0.18243 | 0 | 0 | 0 | 0 |
| 3 | 23.133 | 23.641 | 24.156 | 0.37192 | 22.951 | 23.48 | 23.932 | 0.38123 | -1.205 | -0.1612 | 0.576 | 0.54491 |
| 10 | 23.133 | 23.641 | 24.156 | 0.37192 | 22.966 | 23.471 | 23.952 | 0.35592 | -1.19 | -0.1708 | 0.572 | 0.53703 |
| 30 | 23.133 | 23.641 | 24.156 | 0.37192 | 22.886 | 23.437 | 23.836 | 0.30539 | -1.27 | -0.2045 | 0.479 | 0.52116 |
| 50 | 23.133 | 23.641 | 24.156 | 0.37192 | 22.789 | 23.431 | 23.946 | 0.39537 | -1.367 | -0.2104 | 0.613 | 0.62337 |
| 100 | 23.135 | 23.519 | 23.862 | 0.33848 | 23.194 | 23.396 | 23.596 | 0.12927 | -0.47 | -0.12288 | 0.351 | 0.30046 |

# Device Test: 5.105 tdly_Res1p18M_PWRGD_SU/PWRGD/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



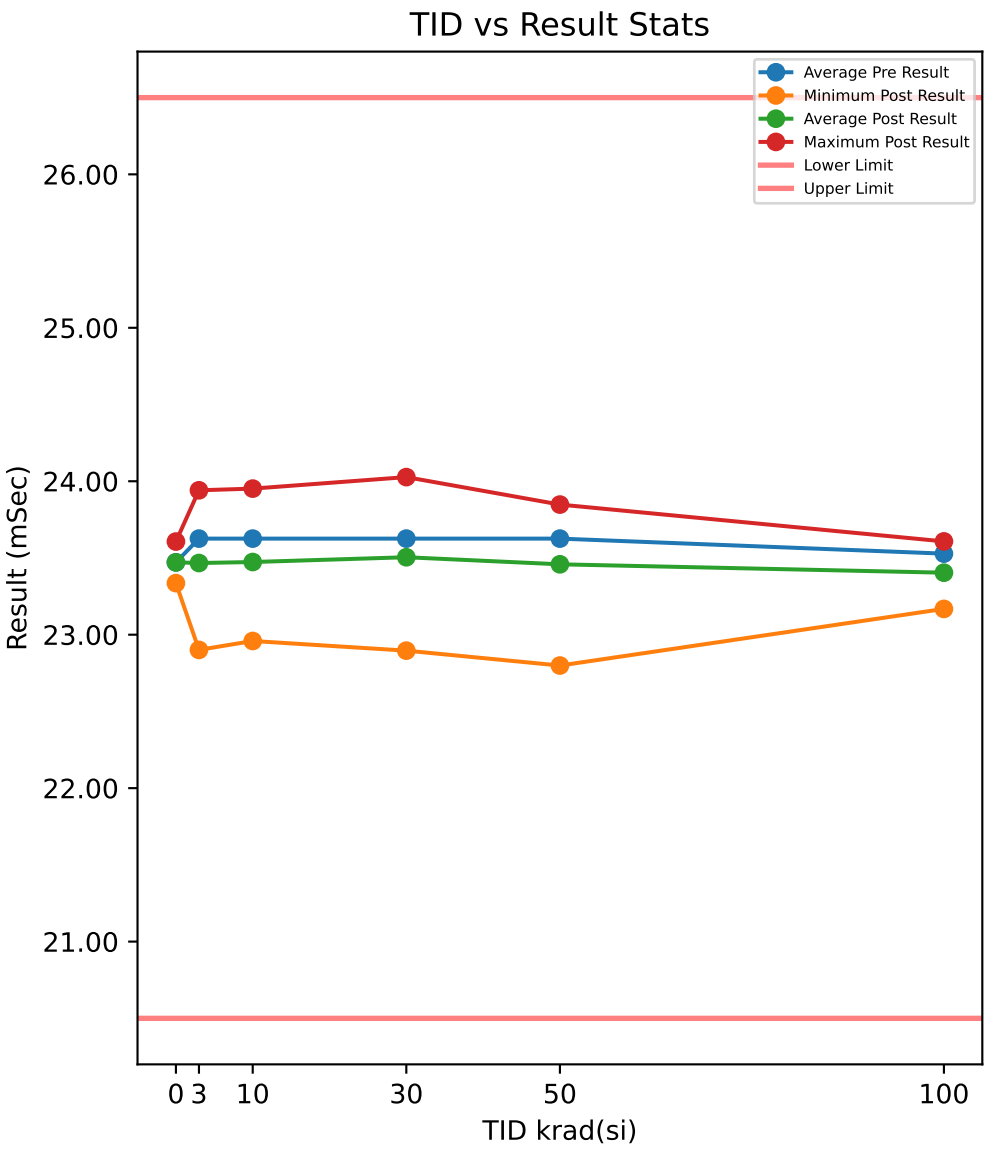

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

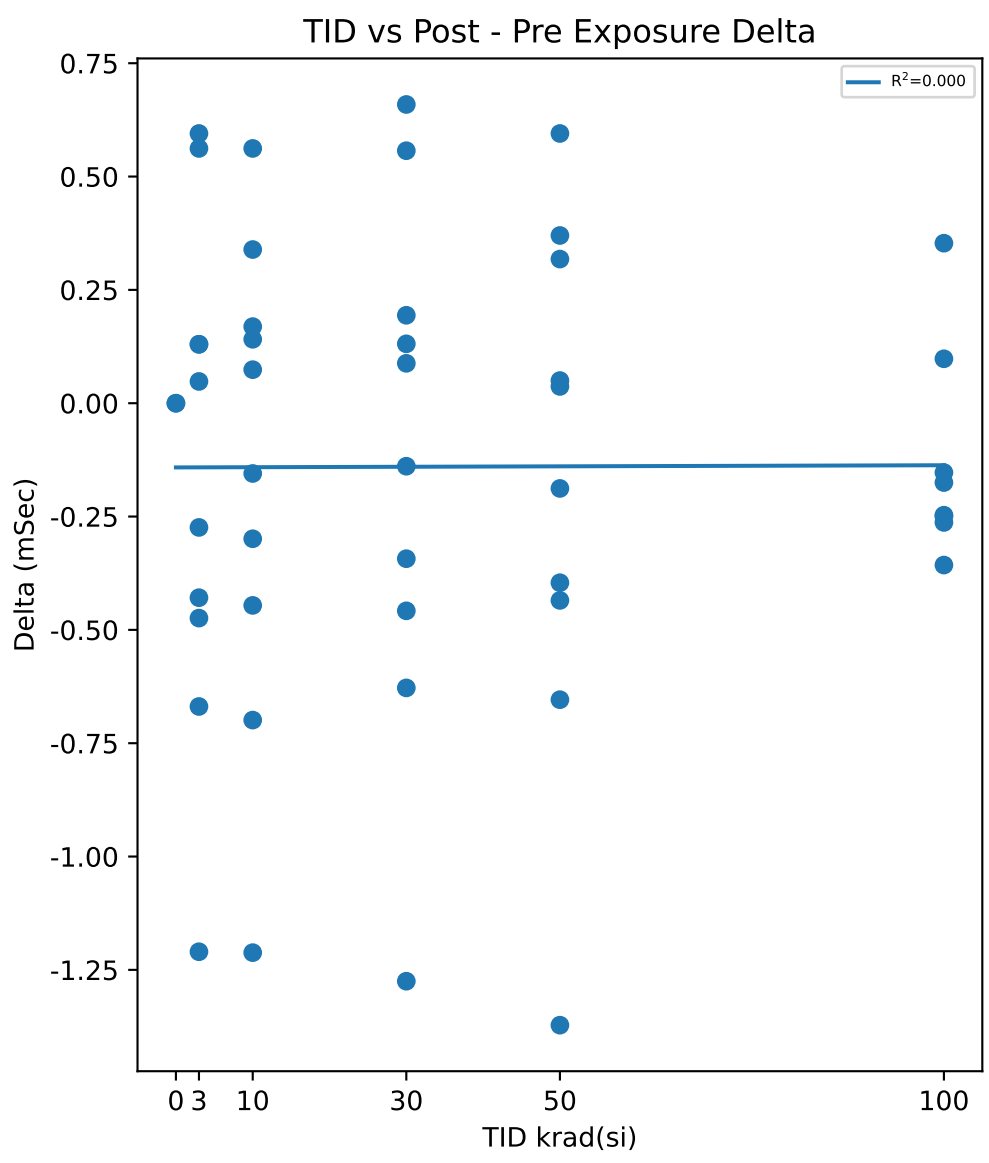
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.593 | 23.593 | 0 |
| 7 | 0 | Correlation | 23.318 | 23.318 | 0 |
| 16 | 3 | LDR-Biased | 23.855 | 23.177 | -0.678 |
| 18 | 3 | LDR-Biased | 23.744 | 23.875 | 0.131 |
| 19 | 3 | LDR-Biased | 23.971 | 23.695 | -0.276 |
| 20 | 3 | LDR-Biased | 23.651 | 23.178 | -0.473 |
| 21 | 3 | LDR-Biased | 23.155 | 22.996 | -0.159 |
| 22 | 3 | LDR-Unbiased | 23.13 | 23.723 | 0.593 |
| 23 | 3 | LDR-Unbiased | 23.791 | 23.93 | 0.139 |
| 25 | 3 | LDR-Unbiased | 24.158 | 22.946 | -1.212 |
| 26 | 3 | LDR-Unbiased | 23.111 | 23.12 | 0.009 |
| 27 | 3 | LDR-Unbiased | 23.358 | 23.919 | 0.561 |
| 46 | 10 | LDR-Biased | 23.855 | 23.161 | -0.694 |
| 48 | 10 | LDR-Biased | 23.744 | 23.915 | 0.171 |
| 49 | 10 | LDR-Biased | 23.971 | 23.674 | -0.297 |
| 50 | 10 | LDR-Biased | 23.651 | 23.212 | -0.439 |
| 51 | 10 | LDR-Biased | 23.155 | 23.027 | -0.128 |
| 52 | 10 | LDR-Unbiased | 23.13 | 23.702 | 0.572 |
| 53 | 10 | LDR-Unbiased | 23.791 | 23.724 | -0.067 |
| 55 | 10 | LDR-Unbiased | 24.158 | 22.962 | -1.196 |
| 56 | 10 | LDR-Unbiased | 23.111 | 23.157 | 0.046 |
| 57 | 10 | LDR-Unbiased | 23.358 | 23.909 | 0.551 |
| 76 | 30 | LDR-Biased | 23.855 | 23.009 | -0.846 |
| 78 | 30 | LDR-Biased | 23.744 | 23.873 | 0.129 |
| 79 | 30 | LDR-Biased | 23.971 | 23.411 | -0.56 |
| 80 | 30 | LDR-Biased | 23.651 | 23.187 | -0.464 |
| 81 | 30 | LDR-Biased | 23.155 | 23.449 | 0.294 |
| 82 | 30 | LDR-Unbiased | 23.13 | 23.482 | 0.352 |
| 83 | 30 | LDR-Unbiased | 23.791 | 23.8 | 0.009 |
| 84 | 30 | LDR-Unbiased | 23.358 | 24.035 | 0.677 |
| 85 | 30 | LDR-Unbiased | 24.158 | 22.673 | -1.485 |
| 86 | 30 | LDR-Unbiased | 23.111 | 22.977 | -0.134 |
| 87 | 100 | LDR-Biased | 23.188 | 23.377 | 0.189 |
| 88 | 100 | LDR-Biased | 23.852 | 23.577 | -0.275 |
| 90 | 100 | LDR-Biased | 23.748 | 23.592 | -0.156 |
| 91 | 100 | LDR-Unbiased | 23.131 | 23.482 | 0.351 |
| 93 | 100 | LDR-Unbiased | 23.156 | 23.253 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.615 | 23.383 | -0.232 |
| 95 | 100 | LDR-Unbiased | 23.836 | 23.48 | -0.356 |
| 96 | 100 | LDR-Unbiased | 23.36 | 23.19 | -0.17 |
| 106 | 50 | LDR-Biased | 23.855 | 22.988 | -0.867 |
| 108 | 50 | LDR-Biased | 23.744 | 23.794 | 0.05 |
| 109 | 50 | LDR-Biased | 23.971 | 23.524 | -0.447 |
| 110 | 50 | LDR-Biased | 23.651 | 23.07 | -0.581 |
| 111 | 50 | LDR-Biased | 23.155 | 23.492 | 0.337 |
| 112 | 50 | LDR-Unbiased | 23.13 | 23.74 | 0.61 |
| 113 | 50 | LDR-Unbiased | 23.791 | 23.836 | 0.045 |
| 115 | 50 | LDR-Unbiased | 24.158 | 22.788 | -1.37 |
| 116 | 50 | LDR-Unbiased | 23.111 | 22.935 | -0.176 |
| 117 | 50 | LDR-Unbiased | 23.358 | 23.943 | 0.585 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.318 | 23.456 | 23.593 | 0.19445 | 23.318 | 23.456 | 23.593 | 0.19445 | 0 | 0 | 0 | 0 |
| 3 | 23.111 | 23.592 | 24.158 | 0.37858 | 22.946 | 23.456 | 23.93 | 0.40589 | -1.212 | -0.1365 | 0.593 | 0.55482 |
| 10 | 23.111 | 23.592 | 24.158 | 0.37858 | 22.962 | 23.444 | 23.915 | 0.37393 | -1.196 | -0.1481 | 0.572 | 0.54331 |
| 30 | 23.111 | 23.592 | 24.158 | 0.37858 | 22.673 | 23.39 | 24.035 | 0.43472 | -1.485 | -0.2028 | 0.677 | 0.6448 |
| 50 | 23.111 | 23.592 | 24.158 | 0.37858 | 22.788 | 23.411 | 23.943 | 0.42789 | -1.37 | -0.1814 | 0.61 | 0.6412 |
| 100 | 23.131 | 23.486 | 23.852 | 0.31199 | 23.19 | 23.417 | 23.592 | 0.14422 | -0.356 | -0.069 | 0.351 | 0.25062 |

# Device Test: 5.106 tdly_Res1p18M_EN1_SD/EN1/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



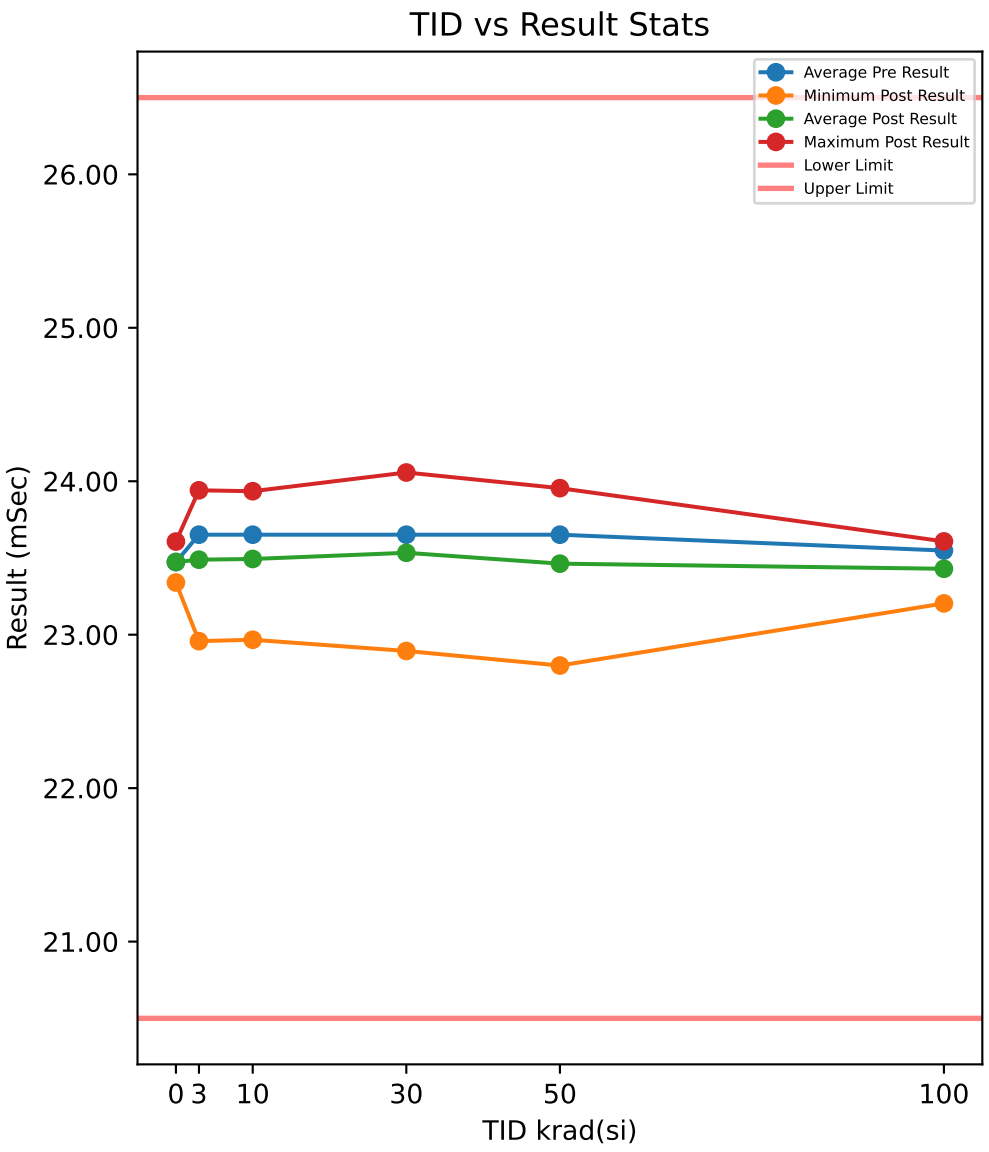

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

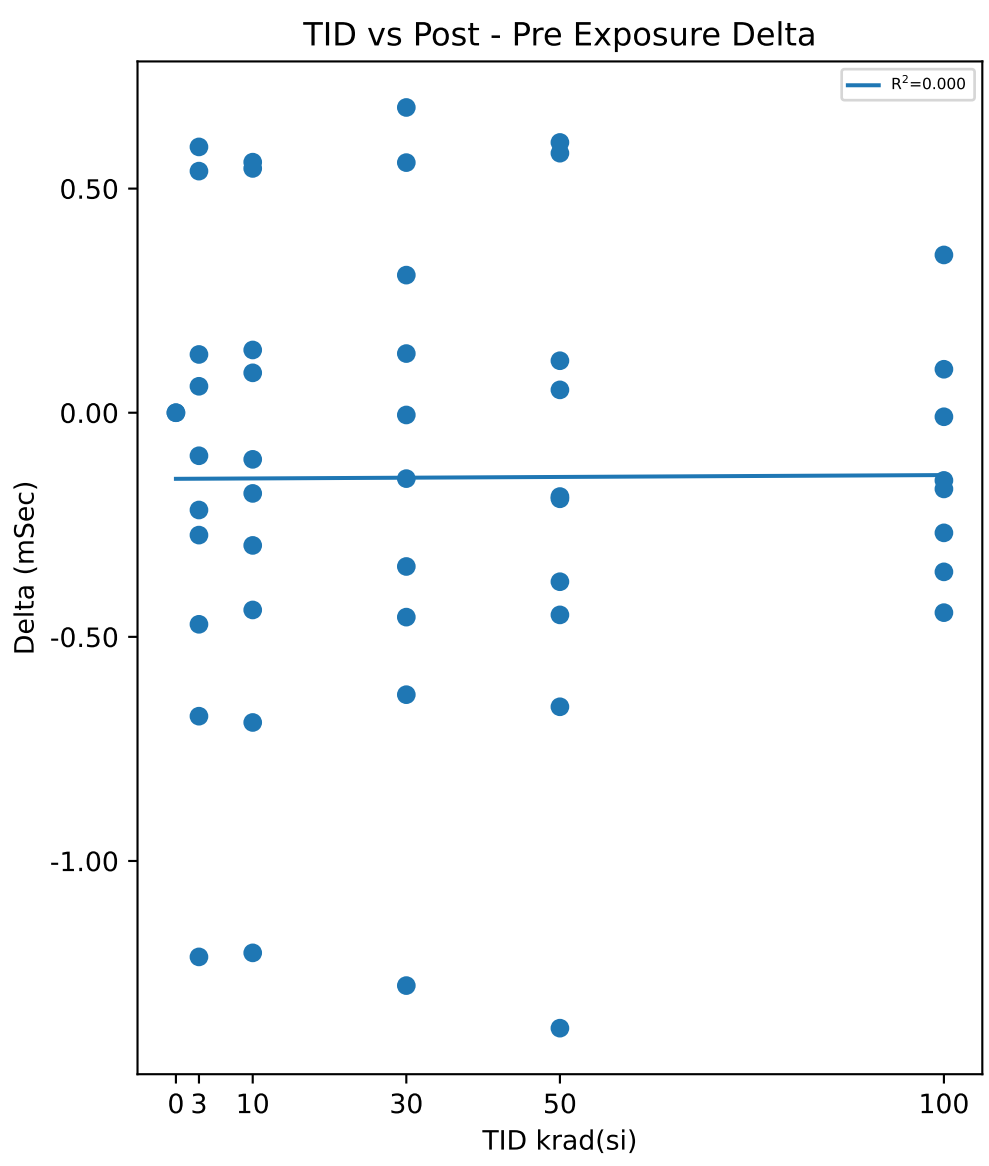
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.607 | 23.607 | 0 |
| 7 | 0 | Correlation | 23.336 | 23.336 | 0 |
| 16 | 3 | LDR-Biased | 23.866 | 23.197 | -0.669 |
| 18 | 3 | LDR-Biased | 23.759 | 23.889 | 0.13 |
| 19 | 3 | LDR-Biased | 23.982 | 23.708 | -0.274 |
| 20 | 3 | LDR-Biased | 23.664 | 23.19 | -0.474 |
| 21 | 3 | LDR-Biased | 23.168 | 23.216 | 0.048 |
| 22 | 3 | LDR-Unbiased | 23.143 | 23.738 | 0.595 |
| 23 | 3 | LDR-Unbiased | 23.811 | 23.941 | 0.13 |
| 25 | 3 | LDR-Unbiased | 24.171 | 22.961 | -1.21 |
| 26 | 3 | LDR-Unbiased | 23.33 | 22.901 | -0.429 |
| 27 | 3 | LDR-Unbiased | 23.368 | 23.93 | 0.562 |
| 46 | 10 | LDR-Biased | 23.866 | 23.167 | -0.699 |
| 48 | 10 | LDR-Biased | 23.759 | 23.928 | 0.169 |
| 49 | 10 | LDR-Biased | 23.982 | 23.683 | -0.299 |
| 50 | 10 | LDR-Biased | 23.664 | 23.218 | -0.446 |
| 51 | 10 | LDR-Biased | 23.168 | 23.242 | 0.074 |
| 52 | 10 | LDR-Unbiased | 23.143 | 23.705 | 0.562 |
| 53 | 10 | LDR-Unbiased | 23.811 | 23.952 | 0.141 |
| 55 | 10 | LDR-Unbiased | 24.171 | 22.959 | -1.212 |
| 56 | 10 | LDR-Unbiased | 23.33 | 23.175 | -0.155 |
| 57 | 10 | LDR-Unbiased | 23.368 | 23.707 | 0.339 |
| 76 | 30 | LDR-Biased | 23.866 | 23.238 | -0.628 |
| 78 | 30 | LDR-Biased | 23.759 | 23.89 | 0.131 |
| 79 | 30 | LDR-Biased | 23.982 | 23.639 | -0.343 |
| 80 | 30 | LDR-Biased | 23.664 | 23.206 | -0.458 |
| 81 | 30 | LDR-Biased | 23.168 | 23.256 | 0.088 |
| 82 | 30 | LDR-Unbiased | 23.143 | 23.7 | 0.557 |
| 83 | 30 | LDR-Unbiased | 23.811 | 24.005 | 0.194 |
| 84 | 30 | LDR-Unbiased | 23.368 | 24.027 | 0.659 |
| 85 | 30 | LDR-Unbiased | 24.171 | 22.896 | -1.275 |
| 86 | 30 | LDR-Unbiased | 23.33 | 23.191 | -0.139 |
| 87 | 100 | LDR-Biased | 23.415 | 23.168 | -0.247 |
| 88 | 100 | LDR-Biased | 23.869 | 23.606 | -0.263 |
| 90 | 100 | LDR-Biased | 23.761 | 23.608 | -0.153 |
| 91 | 100 | LDR-Unbiased | 23.144 | 23.497 | 0.353 |
| 93 | 100 | LDR-Unbiased | 23.167 | 23.265 | 0.098 |
| 94 | 100 | LDR-Unbiased | 23.643 | 23.394 | -0.249 |
| 95 | 100 | LDR-Unbiased | 23.85 | 23.493 | -0.357 |
| 96 | 100 | LDR-Unbiased | 23.377 | 23.202 | -0.175 |
| 106 | 50 | LDR-Biased | 23.866 | 23.212 | -0.654 |
| 108 | 50 | LDR-Biased | 23.759 | 23.809 | 0.05 |
| 109 | 50 | LDR-Biased | 23.982 | 23.547 | -0.435 |
| 110 | 50 | LDR-Biased | 23.664 | 23.268 | -0.396 |
| 111 | 50 | LDR-Biased | 23.168 | 23.486 | 0.318 |
| 112 | 50 | LDR-Unbiased | 23.143 | 23.738 | 0.595 |
| 113 | 50 | LDR-Unbiased | 23.811 | 23.848 | 0.037 |
| 115 | 50 | LDR-Unbiased | 24.171 | 22.799 | -1.372 |
| 116 | 50 | LDR-Unbiased | 23.33 | 23.142 | -0.188 |
| 117 | 50 | LDR-Unbiased | 23.368 | 23.738 | 0.37 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.336 | 23.471 | 23.607 | 0.19163 | 23.336 | 23.471 | 23.607 | 0.19163 | 0 | 0 | 0 | 0 |
| 3 | 23.143 | 23.626 | 24.171 | 0.35464 | 22.901 | 23.467 | 23.941 | 0.41334 | -1.21 | -0.1591 | 0.595 | 0.56256 |
| 10 | 23.143 | 23.626 | 24.171 | 0.35464 | 22.959 | 23.474 | 23.952 | 0.35811 | -1.212 | -0.1526 | 0.562 | 0.52933 |
| 30 | 23.143 | 23.626 | 24.171 | 0.35464 | 22.896 | 23.505 | 24.027 | 0.39705 | -1.275 | -0.1214 | 0.659 | 0.57989 |
| 50 | 23.143 | 23.626 | 24.171 | 0.35464 | 22.799 | 23.459 | 23.848 | 0.34505 | -1.372 | -0.1675 | 0.595 | 0.57801 |
| 100 | 23.144 | 23.528 | 23.869 | 0.29297 | 23.168 | 23.404 | 23.608 | 0.17522 | -0.357 | -0.12412 | 0.353 | 0.2344 |

# Device Test: 5.107 tdly_Res1p18M_EN2_SD/EN2/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



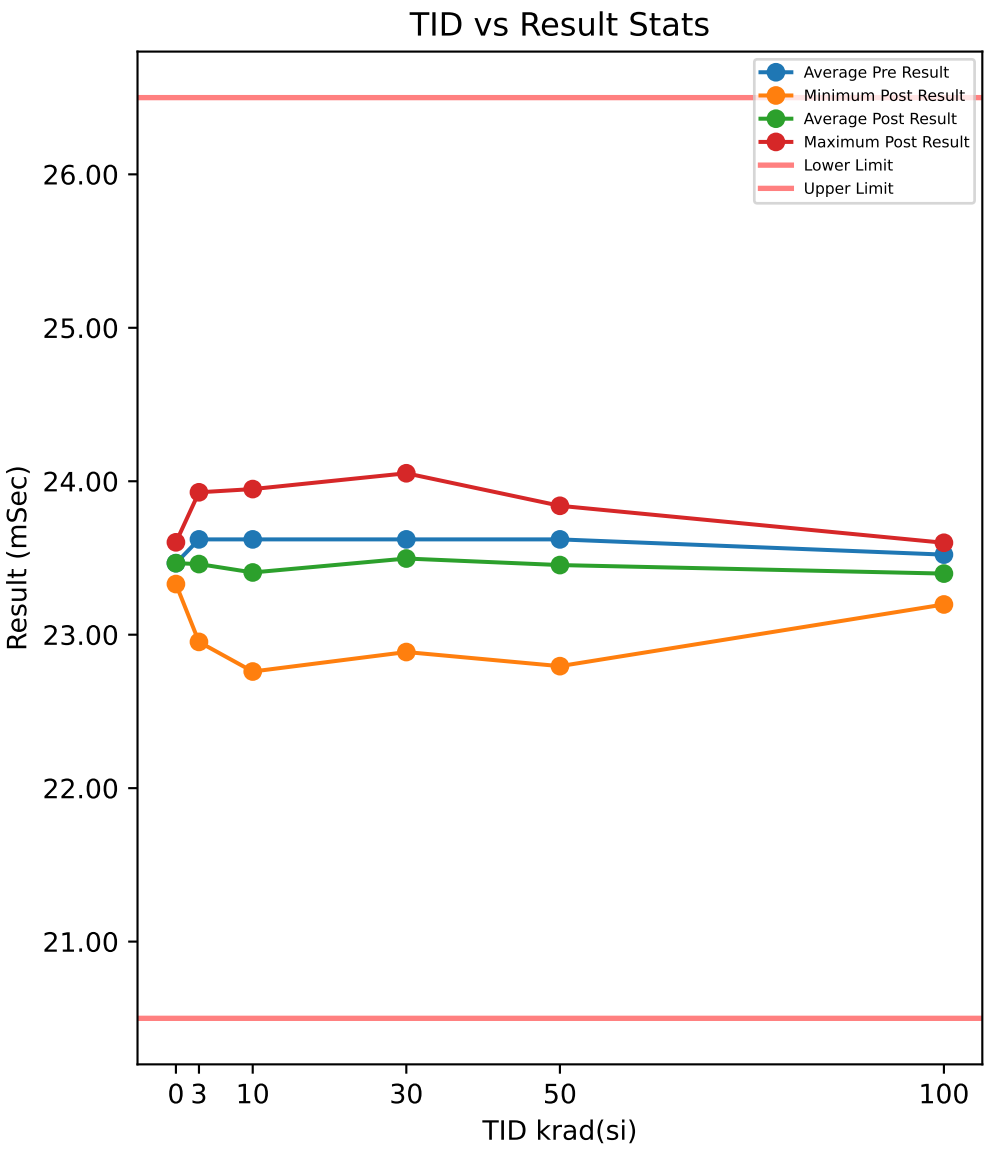

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

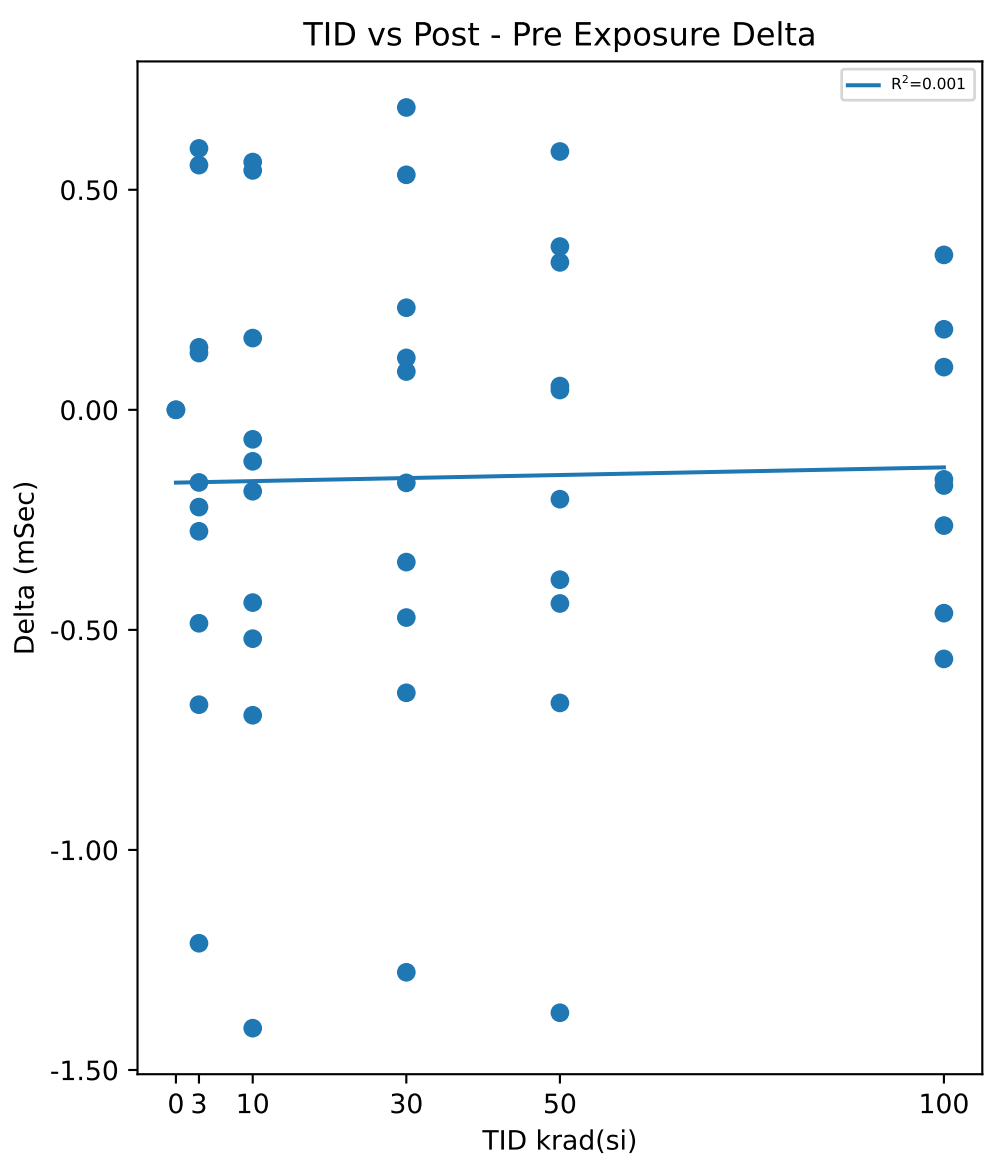
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.607 | 23.607 | 0 |
| 7 | 0 | Correlation | 23.34 | 23.34 | 0 |
| 16 | 3 | LDR-Biased | 23.867 | 23.19 | -0.677 |
| 18 | 3 | LDR-Biased | 23.758 | 23.888 | 0.13 |
| 19 | 3 | LDR-Biased | 23.982 | 23.709 | -0.273 |
| 20 | 3 | LDR-Biased | 23.663 | 23.191 | -0.472 |
| 21 | 3 | LDR-Biased | 23.167 | 23.226 | 0.059 |
| 22 | 3 | LDR-Unbiased | 23.142 | 23.735 | 0.593 |
| 23 | 3 | LDR-Unbiased | 24.037 | 23.941 | -0.096 |
| 25 | 3 | LDR-Unbiased | 24.172 | 22.958 | -1.214 |
| 26 | 3 | LDR-Unbiased | 23.353 | 23.136 | -0.217 |
| 27 | 3 | LDR-Unbiased | 23.376 | 23.915 | 0.539 |
| 46 | 10 | LDR-Biased | 23.867 | 23.176 | -0.691 |
| 48 | 10 | LDR-Biased | 23.758 | 23.898 | 0.14 |
| 49 | 10 | LDR-Biased | 23.982 | 23.686 | -0.296 |
| 50 | 10 | LDR-Biased | 23.663 | 23.223 | -0.44 |
| 51 | 10 | LDR-Biased | 23.167 | 23.256 | 0.089 |
| 52 | 10 | LDR-Unbiased | 23.142 | 23.687 | 0.545 |
| 53 | 10 | LDR-Unbiased | 24.037 | 23.933 | -0.104 |
| 55 | 10 | LDR-Unbiased | 24.172 | 22.967 | -1.205 |
| 56 | 10 | LDR-Unbiased | 23.353 | 23.173 | -0.18 |
| 57 | 10 | LDR-Unbiased | 23.376 | 23.935 | 0.559 |
| 76 | 30 | LDR-Biased | 23.867 | 23.238 | -0.629 |
| 78 | 30 | LDR-Biased | 23.758 | 23.89 | 0.132 |
| 79 | 30 | LDR-Biased | 23.982 | 23.639 | -0.343 |
| 80 | 30 | LDR-Biased | 23.663 | 23.207 | -0.456 |
| 81 | 30 | LDR-Biased | 23.167 | 23.474 | 0.307 |
| 82 | 30 | LDR-Unbiased | 23.142 | 23.7 | 0.558 |
| 83 | 30 | LDR-Unbiased | 24.037 | 24.032 | -0.005 |
| 84 | 30 | LDR-Unbiased | 23.376 | 24.057 | 0.681 |
| 85 | 30 | LDR-Unbiased | 24.172 | 22.894 | -1.278 |
| 86 | 30 | LDR-Unbiased | 23.353 | 23.206 | -0.147 |
| 87 | 100 | LDR-Biased | 23.399 | 23.39 | -0.009 |
| 88 | 100 | LDR-Biased | 23.855 | 23.587 | -0.268 |
| 90 | 100 | LDR-Biased | 23.759 | 23.608 | -0.151 |
| 91 | 100 | LDR-Unbiased | 23.143 | 23.495 | 0.352 |
| 93 | 100 | LDR-Unbiased | 23.168 | 23.265 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.841 | 23.395 | -0.446 |
| 95 | 100 | LDR-Unbiased | 23.848 | 23.493 | -0.355 |
| 96 | 100 | LDR-Unbiased | 23.374 | 23.204 | -0.17 |
| 106 | 50 | LDR-Biased | 23.867 | 23.211 | -0.656 |
| 108 | 50 | LDR-Biased | 23.758 | 23.809 | 0.051 |
| 109 | 50 | LDR-Biased | 23.982 | 23.531 | -0.451 |
| 110 | 50 | LDR-Biased | 23.663 | 23.286 | -0.377 |
| 111 | 50 | LDR-Biased | 23.167 | 23.283 | 0.116 |
| 112 | 50 | LDR-Unbiased | 23.142 | 23.745 | 0.603 |
| 113 | 50 | LDR-Unbiased | 24.037 | 23.845 | -0.192 |
| 115 | 50 | LDR-Unbiased | 24.172 | 22.799 | -1.373 |
| 116 | 50 | LDR-Unbiased | 23.353 | 23.166 | -0.187 |
| 117 | 50 | LDR-Unbiased | 23.376 | 23.955 | 0.579 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.34 | 23.474 | 23.607 | 0.1888 | 23.34 | 23.474 | 23.607 | 0.1888 | 0 | 0 | 0 | 0 |
| 3 | 23.142 | 23.652 | 24.172 | 0.37208 | 22.958 | 23.489 | 23.941 | 0.3812 | -1.214 | -0.1628 | 0.593 | 0.54602 |
| 10 | 23.142 | 23.652 | 24.172 | 0.37208 | 22.967 | 23.493 | 23.935 | 0.37066 | -1.205 | -0.1583 | 0.559 | 0.54164 |
| 30 | 23.142 | 23.652 | 24.172 | 0.37208 | 22.894 | 23.534 | 24.057 | 0.39471 | -1.278 | -0.118 | 0.681 | 0.58913 |
| 50 | 23.142 | 23.652 | 24.172 | 0.37208 | 22.799 | 23.463 | 23.955 | 0.37241 | -1.373 | -0.1887 | 0.603 | 0.5861 |
| 100 | 23.143 | 23.548 | 23.855 | 0.31065 | 23.204 | 23.43 | 23.608 | 0.14425 | -0.446 | -0.11875 | 0.352 | 0.25886 |

# Device Test: 5.108 tdly_Res1p18M_EN3_SD/EN3/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



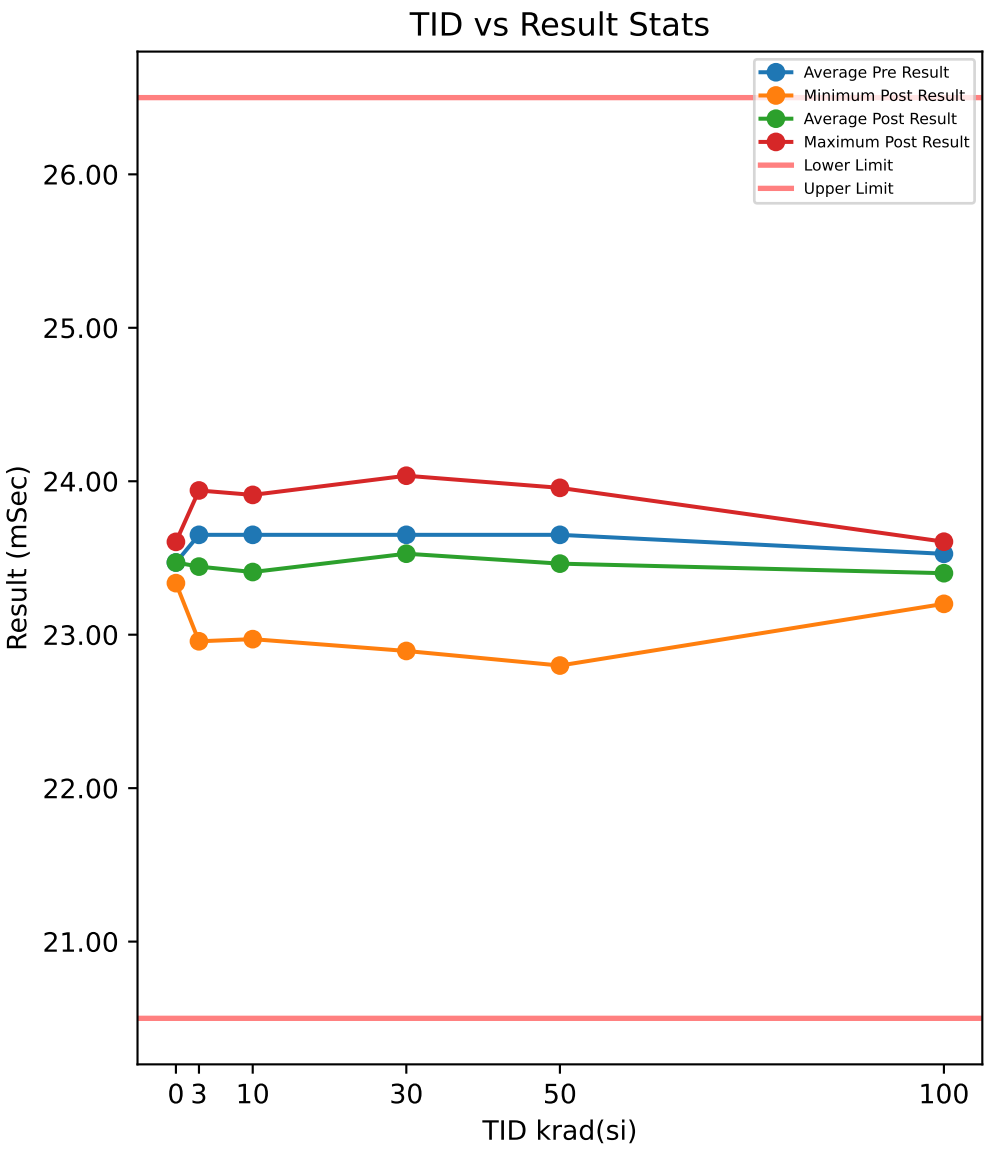

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

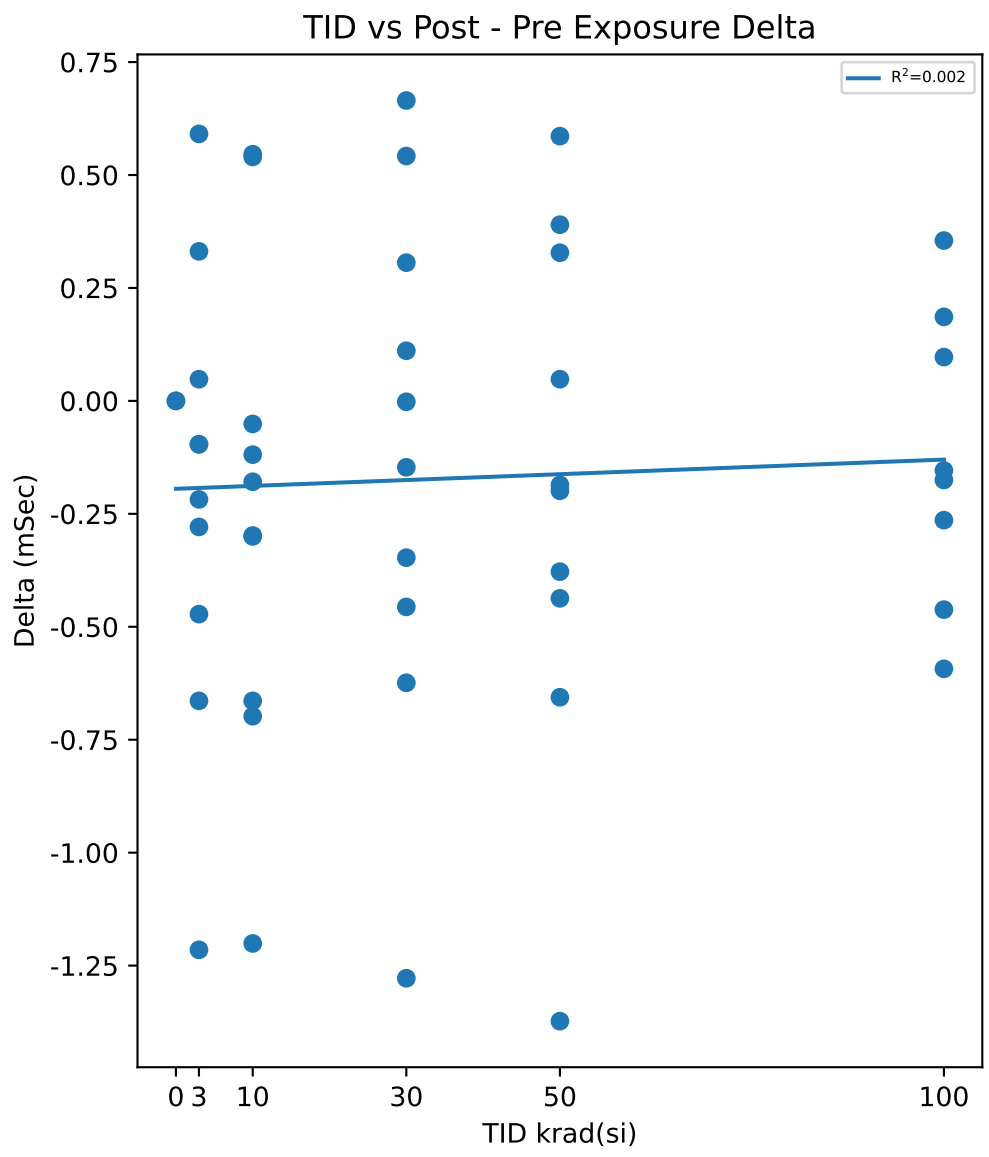
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.602 | 23.602 | 0 |
| 7 | 0 | Correlation | 23.33 | 23.33 | 0 |
| 16 | 3 | LDR-Biased | 23.862 | 23.192 | -0.67 |
| 18 | 3 | LDR-Biased | 23.754 | 23.883 | 0.129 |
| 19 | 3 | LDR-Biased | 23.977 | 23.701 | -0.276 |
| 20 | 3 | LDR-Biased | 23.657 | 23.172 | -0.485 |
| 21 | 3 | LDR-Biased | 23.161 | 22.996 | -0.165 |
| 22 | 3 | LDR-Unbiased | 23.138 | 23.732 | 0.594 |
| 23 | 3 | LDR-Unbiased | 23.786 | 23.928 | 0.142 |
| 25 | 3 | LDR-Unbiased | 24.165 | 22.953 | -1.212 |
| 26 | 3 | LDR-Unbiased | 23.346 | 23.125 | -0.221 |
| 27 | 3 | LDR-Unbiased | 23.365 | 23.921 | 0.556 |
| 46 | 10 | LDR-Biased | 23.862 | 23.168 | -0.694 |
| 48 | 10 | LDR-Biased | 23.754 | 23.687 | -0.067 |
| 49 | 10 | LDR-Biased | 23.977 | 23.457 | -0.52 |
| 50 | 10 | LDR-Biased | 23.657 | 23.219 | -0.438 |
| 51 | 10 | LDR-Biased | 23.161 | 23.044 | -0.117 |
| 52 | 10 | LDR-Unbiased | 23.138 | 23.701 | 0.563 |
| 53 | 10 | LDR-Unbiased | 23.786 | 23.949 | 0.163 |
| 55 | 10 | LDR-Unbiased | 24.165 | 22.76 | -1.405 |
| 56 | 10 | LDR-Unbiased | 23.346 | 23.161 | -0.185 |
| 57 | 10 | LDR-Unbiased | 23.365 | 23.909 | 0.544 |
| 76 | 30 | LDR-Biased | 23.862 | 23.219 | -0.643 |
| 78 | 30 | LDR-Biased | 23.754 | 23.872 | 0.118 |
| 79 | 30 | LDR-Biased | 23.977 | 23.631 | -0.346 |
| 80 | 30 | LDR-Biased | 23.657 | 23.185 | -0.472 |
| 81 | 30 | LDR-Biased | 23.161 | 23.248 | 0.087 |
| 82 | 30 | LDR-Unbiased | 23.138 | 23.672 | 0.534 |
| 83 | 30 | LDR-Unbiased | 23.786 | 24.018 | 0.232 |
| 84 | 30 | LDR-Unbiased | 23.365 | 24.052 | 0.687 |
| 85 | 30 | LDR-Unbiased | 24.165 | 22.887 | -1.278 |
| 86 | 30 | LDR-Unbiased | 23.346 | 23.18 | -0.166 |
| 87 | 100 | LDR-Biased | 23.199 | 23.382 | 0.183 |
| 88 | 100 | LDR-Biased | 23.862 | 23.599 | -0.263 |
| 90 | 100 | LDR-Biased | 23.755 | 23.597 | -0.158 |
| 91 | 100 | LDR-Unbiased | 23.136 | 23.488 | 0.352 |
| 93 | 100 | LDR-Unbiased | 23.162 | 23.259 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.851 | 23.389 | -0.462 |
| 95 | 100 | LDR-Unbiased | 23.841 | 23.275 | -0.566 |
| 96 | 100 | LDR-Unbiased | 23.369 | 23.197 | -0.172 |
| 106 | 50 | LDR-Biased | 23.862 | 23.196 | -0.666 |
| 108 | 50 | LDR-Biased | 23.754 | 23.799 | 0.045 |
| 109 | 50 | LDR-Biased | 23.977 | 23.537 | -0.44 |
| 110 | 50 | LDR-Biased | 23.657 | 23.271 | -0.386 |
| 111 | 50 | LDR-Biased | 23.161 | 23.496 | 0.335 |
| 112 | 50 | LDR-Unbiased | 23.138 | 23.725 | 0.587 |
| 113 | 50 | LDR-Unbiased | 23.786 | 23.84 | 0.054 |
| 115 | 50 | LDR-Unbiased | 24.165 | 22.795 | -1.37 |
| 116 | 50 | LDR-Unbiased | 23.346 | 23.143 | -0.203 |
| 117 | 50 | LDR-Unbiased | 23.365 | 23.736 | 0.371 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.33 | 23.466 | 23.602 | 0.19233 | 23.33 | 23.466 | 23.602 | 0.19233 | 0 | 0 | 0 | 0 |
| 3 | 23.138 | 23.621 | 24.165 | 0.35166 | 22.953 | 23.46 | 23.928 | 0.40577 | -1.212 | -0.1608 | 0.594 | 0.55232 |
| 10 | 23.138 | 23.621 | 24.165 | 0.35166 | 22.76 | 23.405 | 23.949 | 0.39671 | -1.405 | -0.2156 | 0.563 | 0.59113 |
| 30 | 23.138 | 23.621 | 24.165 | 0.35166 | 22.887 | 23.496 | 24.052 | 0.40523 | -1.278 | -0.1247 | 0.687 | 0.5863 |
| 50 | 23.138 | 23.621 | 24.165 | 0.35166 | 22.795 | 23.454 | 23.84 | 0.3433 | -1.37 | -0.1673 | 0.587 | 0.57963 |
| 100 | 23.136 | 23.522 | 23.862 | 0.33514 | 23.197 | 23.398 | 23.599 | 0.15273 | -0.566 | -0.12362 | 0.352 | 0.31669 |

# Device Test: 5.109 tdly_Res1p18M_EN4_SD/EN4/1.6/14/1.18M/0/0/@DLY_TMR_1MOHM



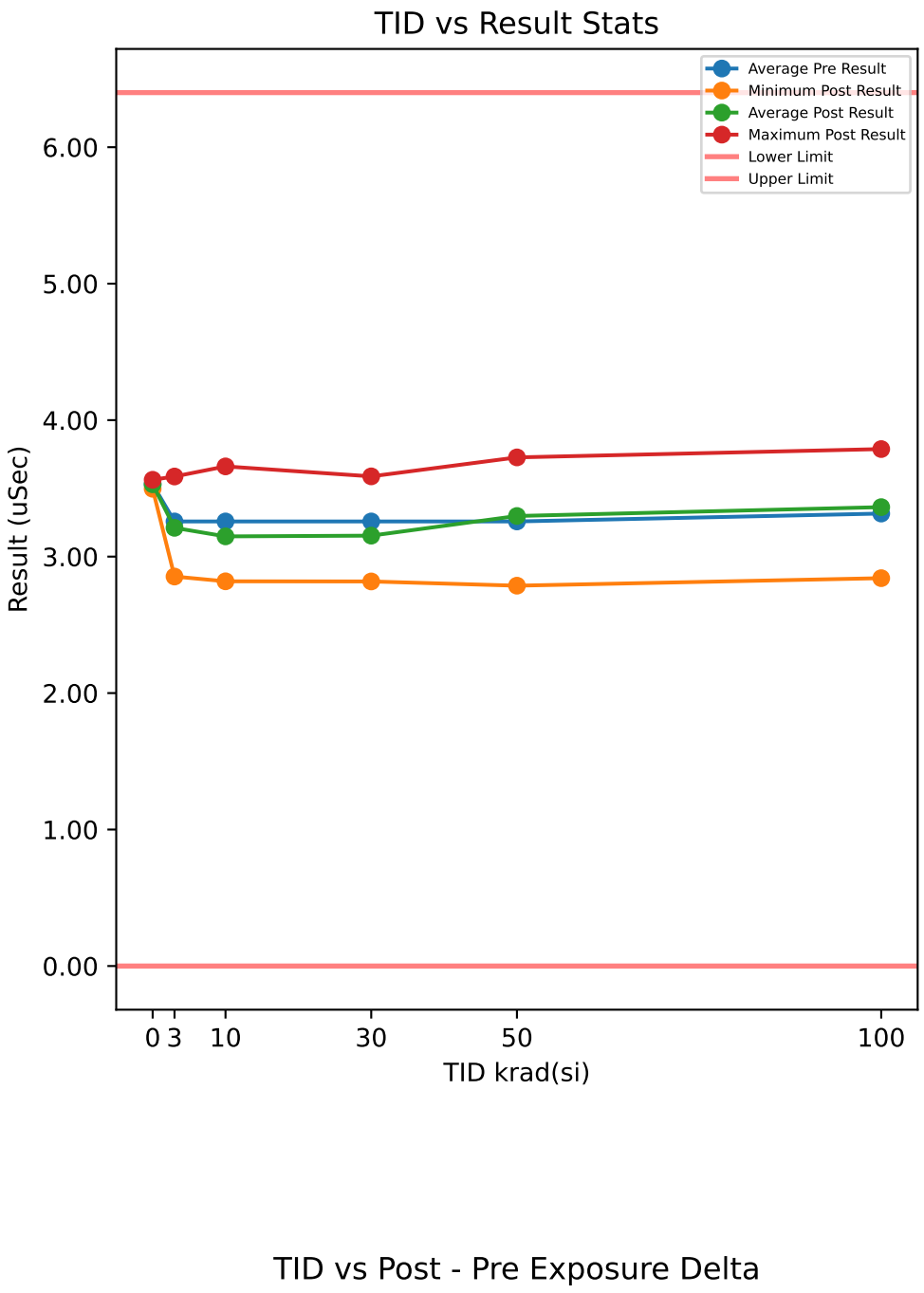

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

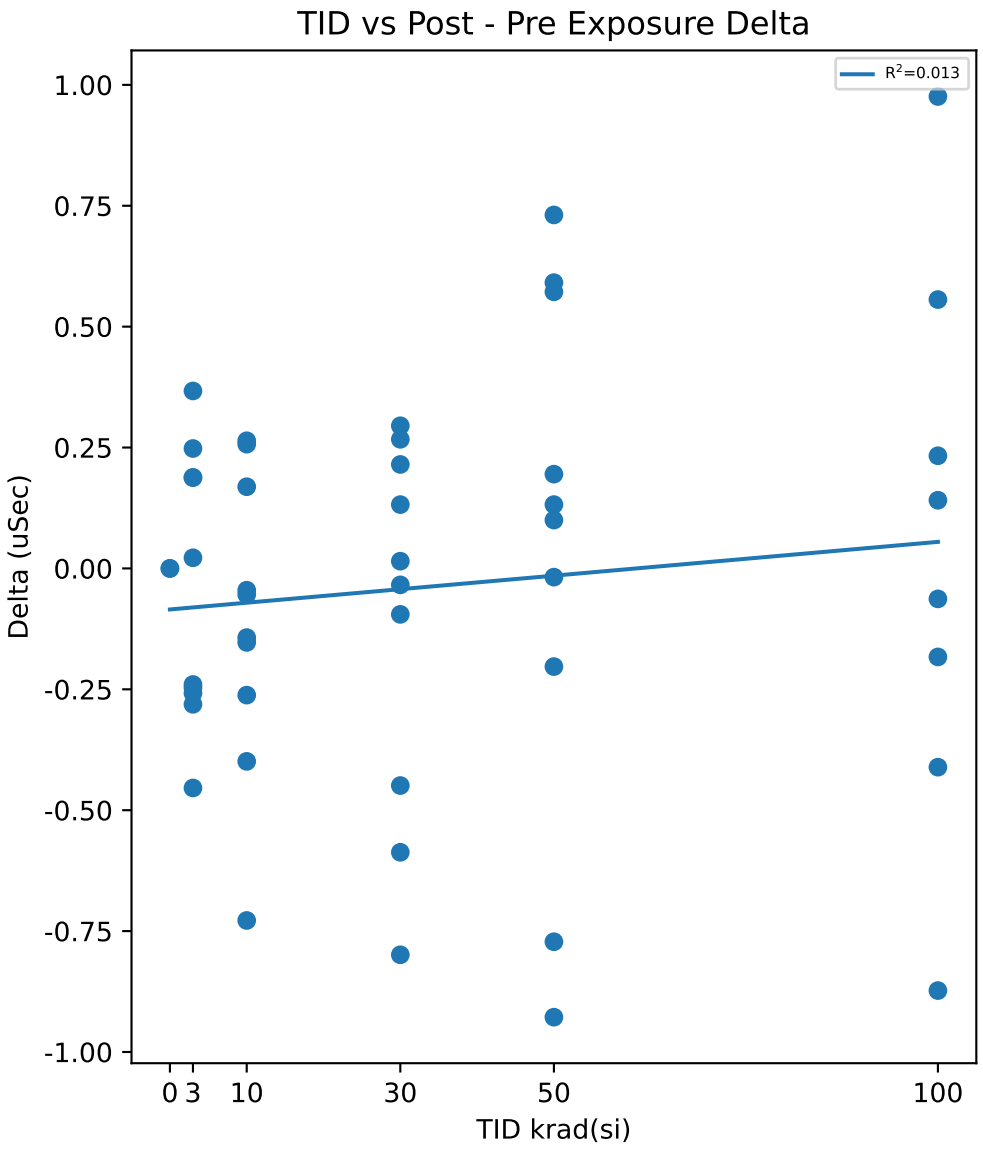
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.605 | 23.605 | 0 |
| 7 | 0 | Correlation | 23.336 | 23.336 | 0 |
| 16 | 3 | LDR-Biased | 23.865 | 23.201 | -0.664 |
| 18 | 3 | LDR-Biased | 23.757 | 23.661 | -0.096 |
| 19 | 3 | LDR-Biased | 23.983 | 23.704 | -0.279 |
| 20 | 3 | LDR-Biased | 23.663 | 23.191 | -0.472 |
| 21 | 3 | LDR-Biased | 23.167 | 23.215 | 0.048 |
| 22 | 3 | LDR-Unbiased | 23.142 | 23.733 | 0.591 |
| 23 | 3 | LDR-Unbiased | 24.036 | 23.94 | -0.096 |
| 25 | 3 | LDR-Unbiased | 24.172 | 22.957 | -1.215 |
| 26 | 3 | LDR-Unbiased | 23.352 | 23.134 | -0.218 |
| 27 | 3 | LDR-Unbiased | 23.371 | 23.702 | 0.331 |
| 46 | 10 | LDR-Biased | 23.865 | 23.167 | -0.698 |
| 48 | 10 | LDR-Biased | 23.757 | 23.706 | -0.051 |
| 49 | 10 | LDR-Biased | 23.983 | 23.683 | -0.3 |
| 50 | 10 | LDR-Biased | 23.663 | 22.999 | -0.664 |
| 51 | 10 | LDR-Biased | 23.167 | 23.048 | -0.119 |
| 52 | 10 | LDR-Unbiased | 23.142 | 23.688 | 0.546 |
| 53 | 10 | LDR-Unbiased | 24.036 | 23.738 | -0.298 |
| 55 | 10 | LDR-Unbiased | 24.172 | 22.971 | -1.201 |
| 56 | 10 | LDR-Unbiased | 23.352 | 23.173 | -0.179 |
| 57 | 10 | LDR-Unbiased | 23.371 | 23.911 | 0.54 |
| 76 | 30 | LDR-Biased | 23.865 | 23.241 | -0.624 |
| 78 | 30 | LDR-Biased | 23.757 | 23.868 | 0.111 |
| 79 | 30 | LDR-Biased | 23.983 | 23.636 | -0.347 |
| 80 | 30 | LDR-Biased | 23.663 | 23.207 | -0.456 |
| 81 | 30 | LDR-Biased | 23.167 | 23.473 | 0.306 |
| 82 | 30 | LDR-Unbiased | 23.142 | 23.684 | 0.542 |
| 83 | 30 | LDR-Unbiased | 24.036 | 24.034 | -0.002 |
| 84 | 30 | LDR-Unbiased | 23.371 | 24.036 | 0.665 |
| 85 | 30 | LDR-Unbiased | 24.172 | 22.894 | -1.278 |
| 86 | 30 | LDR-Unbiased | 23.352 | 23.205 | -0.147 |
| 87 | 100 | LDR-Biased | 23.202 | 23.388 | 0.186 |
| 88 | 100 | LDR-Biased | 23.868 | 23.604 | -0.264 |
| 90 | 100 | LDR-Biased | 23.76 | 23.606 | -0.154 |
| 91 | 100 | LDR-Unbiased | 23.138 | 23.493 | 0.355 |
| 93 | 100 | LDR-Unbiased | 23.167 | 23.264 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.857 | 23.395 | -0.462 |
| 95 | 100 | LDR-Unbiased | 23.848 | 23.255 | -0.593 |
| 96 | 100 | LDR-Unbiased | 23.376 | 23.201 | -0.175 |
| 106 | 50 | LDR-Biased | 23.865 | 23.209 | -0.656 |
| 108 | 50 | LDR-Biased | 23.757 | 23.805 | 0.048 |
| 109 | 50 | LDR-Biased | 23.983 | 23.546 | -0.437 |
| 110 | 50 | LDR-Biased | 23.663 | 23.285 | -0.378 |
| 111 | 50 | LDR-Biased | 23.167 | 23.495 | 0.328 |
| 112 | 50 | LDR-Unbiased | 23.142 | 23.532 | 0.39 |
| 113 | 50 | LDR-Unbiased | 24.036 | 23.837 | -0.199 |
| 115 | 50 | LDR-Unbiased | 24.172 | 22.799 | -1.373 |
| 116 | 50 | LDR-Unbiased | 23.352 | 23.166 | -0.186 |
| 117 | 50 | LDR-Unbiased | 23.371 | 23.957 | 0.586 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.336 | 23.471 | 23.605 | 0.19021 | 23.336 | 23.471 | 23.605 | 0.19021 | 0 | 0 | 0 | 0 |
| 3 | 23.142 | 23.651 | 24.172 | 0.37241 | 22.957 | 23.444 | 23.94 | 0.33658 | -1.215 | -0.207 | 0.591 | 0.50732 |
| 10 | 23.142 | 23.651 | 24.172 | 0.37241 | 22.971 | 23.408 | 23.911 | 0.36604 | -1.201 | -0.2424 | 0.546 | 0.53751 |
| 30 | 23.142 | 23.651 | 24.172 | 0.37241 | 22.894 | 23.528 | 24.036 | 0.38879 | -1.278 | -0.123 | 0.665 | 0.58341 |
| 50 | 23.142 | 23.651 | 24.172 | 0.37241 | 22.799 | 23.463 | 23.957 | 0.35572 | -1.373 | -0.1877 | 0.586 | 0.57509 |
| 100 | 23.138 | 23.527 | 23.868 | 0.33634 | 23.201 | 23.401 | 23.606 | 0.15675 | -0.593 | -0.12625 | 0.355 | 0.3233 |

# Device Test: 5.11 tpd_PWRGD_SD/PWRGD/1.6/3/0/0/0/@TPD_PWRGD



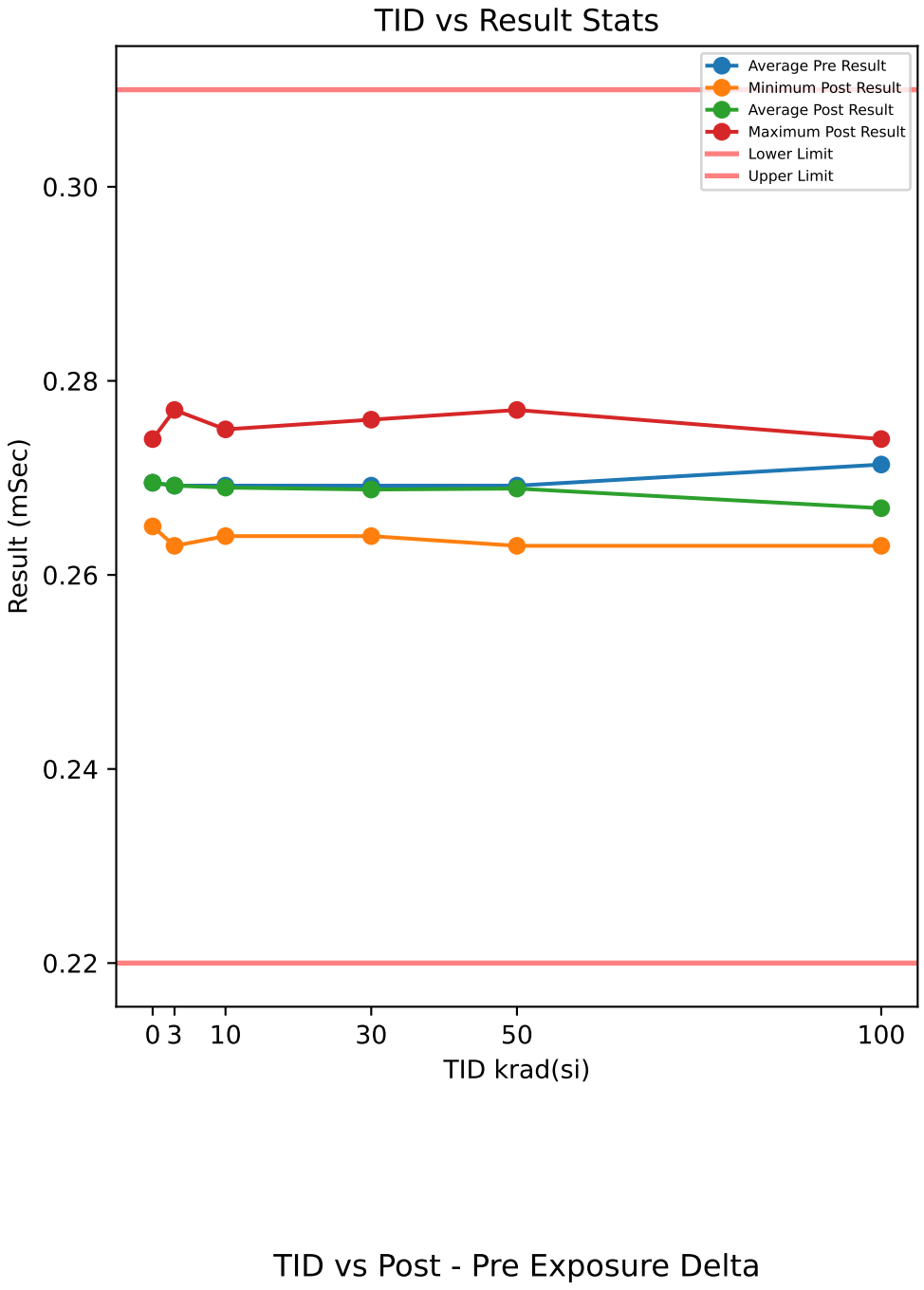

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

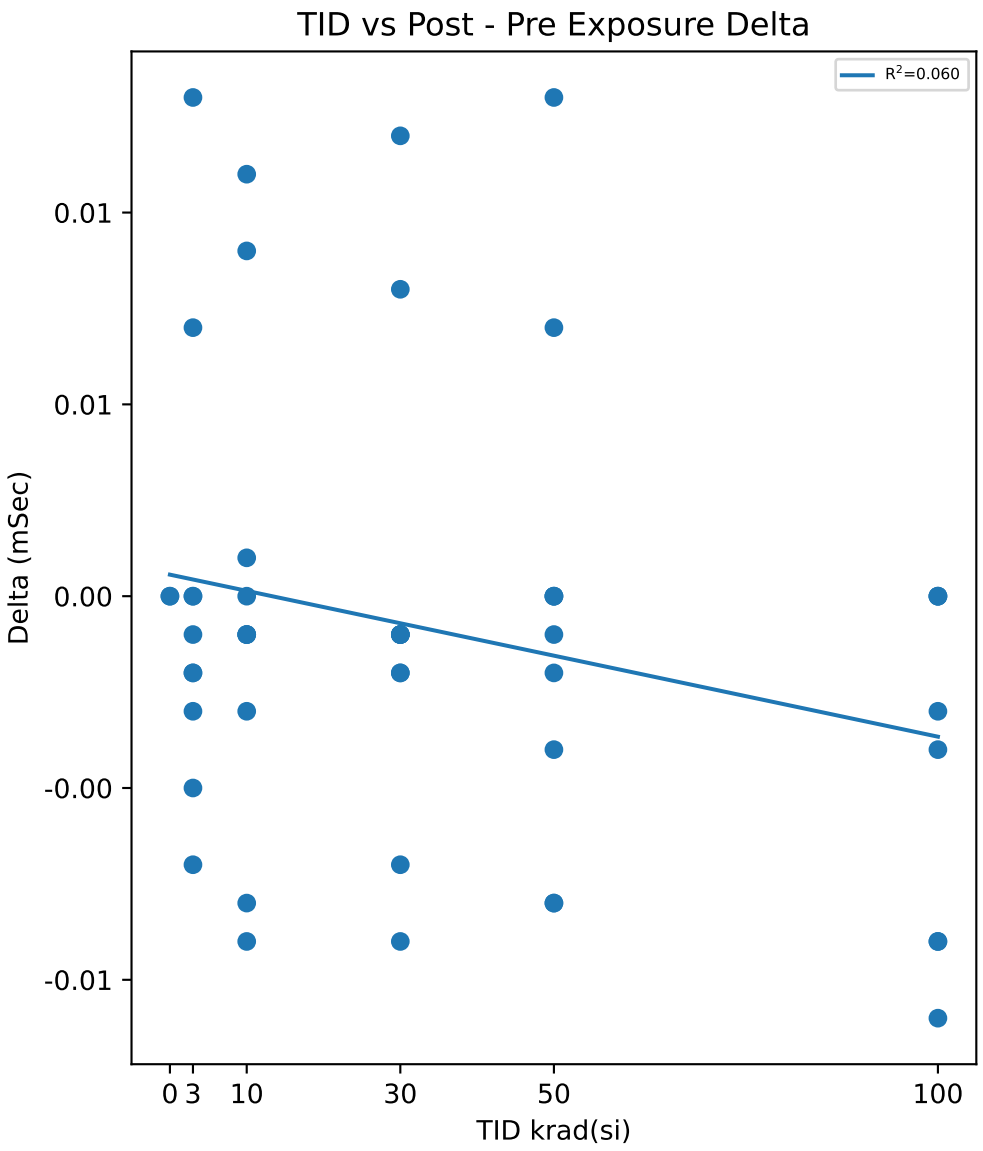
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.497 | 3.497 | 0 |
| 7 | 0 | Correlation | 3.563 | 3.563 | 0 |
| 16 | 3 | LDR-Biased | 2.803 | 2.991 | 0.188 |
| 18 | 3 | LDR-Biased | 3.155 | 3.403 | 0.248 |
| 19 | 3 | LDR-Biased | 3.48 | 3.233 | -0.247 |
| 20 | 3 | LDR-Biased | 3.112 | 2.854 | -0.258 |
| 21 | 3 | LDR-Biased | 3.136 | 2.855 | -0.281 |
| 22 | 3 | LDR-Unbiased | 3.565 | 3.587 | 0.022 |
| 23 | 3 | LDR-Unbiased | 2.962 | 3.329 | 0.367 |
| 25 | 3 | LDR-Unbiased | 3.293 | 3.481 | 0.188 |
| 26 | 3 | LDR-Unbiased | 3.355 | 2.901 | -0.454 |
| 27 | 3 | LDR-Unbiased | 3.715 | 3.475 | -0.24 |
| 46 | 10 | LDR-Biased | 2.803 | 3.067 | 0.264 |
| 48 | 10 | LDR-Biased | 3.155 | 2.893 | -0.262 |
| 49 | 10 | LDR-Biased | 3.48 | 3.327 | -0.153 |
| 50 | 10 | LDR-Biased | 3.112 | 3.067 | -0.045 |
| 51 | 10 | LDR-Biased | 3.136 | 3.305 | 0.169 |
| 52 | 10 | LDR-Unbiased | 3.565 | 2.837 | -0.728 |
| 53 | 10 | LDR-Unbiased | 2.962 | 2.819 | -0.143 |
| 55 | 10 | LDR-Unbiased | 3.293 | 3.55 | 0.257 |
| 56 | 10 | LDR-Unbiased | 3.355 | 2.956 | -0.399 |
| 57 | 10 | LDR-Unbiased | 3.715 | 3.661 | -0.054 |
| 76 | 30 | LDR-Biased | 2.803 | 2.818 | 0.015 |
| 78 | 30 | LDR-Biased | 3.155 | 3.37 | 0.215 |
| 79 | 30 | LDR-Biased | 3.48 | 3.385 | -0.095 |
| 80 | 30 | LDR-Biased | 3.112 | 3.244 | 0.132 |
| 81 | 30 | LDR-Biased | 3.136 | 3.102 | -0.034 |
| 82 | 30 | LDR-Unbiased | 3.565 | 2.978 | -0.587 |
| 83 | 30 | LDR-Unbiased | 2.962 | 3.229 | 0.267 |
| 84 | 30 | LDR-Unbiased | 3.715 | 2.916 | -0.799 |
| 85 | 30 | LDR-Unbiased | 3.293 | 3.588 | 0.295 |
| 86 | 30 | LDR-Unbiased | 3.355 | 2.906 | -0.449 |
| 87 | 100 | LDR-Biased | 3.715 | 2.842 | -0.873 |
| 88 | 100 | LDR-Biased | 3.559 | 3.148 | -0.411 |
| 90 | 100 | LDR-Biased | 2.947 | 3.503 | 0.556 |
| 91 | 100 | LDR-Unbiased | 3.52 | 3.457 | -0.063 |
| 93 | 100 | LDR-Unbiased | 2.812 | 3.788 | 0.976 |
| 94 | 100 | LDR-Unbiased | 2.962 | 3.195 | 0.233 |
| 95 | 100 | LDR-Unbiased | 3.265 | 3.406 | 0.141 |
| 96 | 100 | LDR-Unbiased | 3.744 | 3.561 | -0.183 |
| 106 | 50 | LDR-Biased | 2.803 | 2.903 | 0.1 |
| 108 | 50 | LDR-Biased | 3.155 | 3.727 | 0.572 |
| 109 | 50 | LDR-Biased | 3.48 | 3.277 | -0.203 |
| 110 | 50 | LDR-Biased | 3.112 | 3.244 | 0.132 |
| 111 | 50 | LDR-Biased | 3.136 | 3.727 | 0.591 |
| 112 | 50 | LDR-Unbiased | 3.565 | 2.793 | -0.772 |
| 113 | 50 | LDR-Unbiased | 2.962 | 3.693 | 0.731 |
| 115 | 50 | LDR-Unbiased | 3.293 | 3.488 | 0.195 |
| 116 | 50 | LDR-Unbiased | 3.355 | 3.337 | -0.018 |
| 117 | 50 | LDR-Unbiased | 3.715 | 2.787 | -0.928 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.497 | 3.53 | 3.563 | 0.046669 | 3.497 | 3.53 | 3.563 | 0.046669 | 0 | 0 | 0 | 0 |
| 3 | 2.803 | 3.2576 | 3.715 | 0.27977 | 2.854 | 3.2109 | 3.587 | 0.28557 | -0.454 | -0.0467 | 0.367 | 0.28202 |
| 10 | 2.803 | 3.2576 | 3.715 | 0.27977 | 2.819 | 3.1482 | 3.661 | 0.29841 | -0.728 | -0.1094 | 0.264 | 0.30754 |
| 30 | 2.803 | 3.2576 | 3.715 | 0.27977 | 2.818 | 3.1536 | 3.588 | 0.25096 | -0.799 | -0.104 | 0.295 | 0.38134 |
| 50 | 2.803 | 3.2576 | 3.715 | 0.27977 | 2.787 | 3.2976 | 3.727 | 0.37077 | -0.928 | 0.04 | 0.731 | 0.55367 |
| 100 | 2.812 | 3.3155 | 3.744 | 0.37055 | 2.842 | 3.3625 | 3.788 | 0.29179 | -0.873 | 0.047 | 0.976 | 0.57155 |

# Device Test: 5.110 tdly_Res10p5K_EN1_SU/EN1/7/3/10.5K/0/0/@DLY_TMR_10KOHM



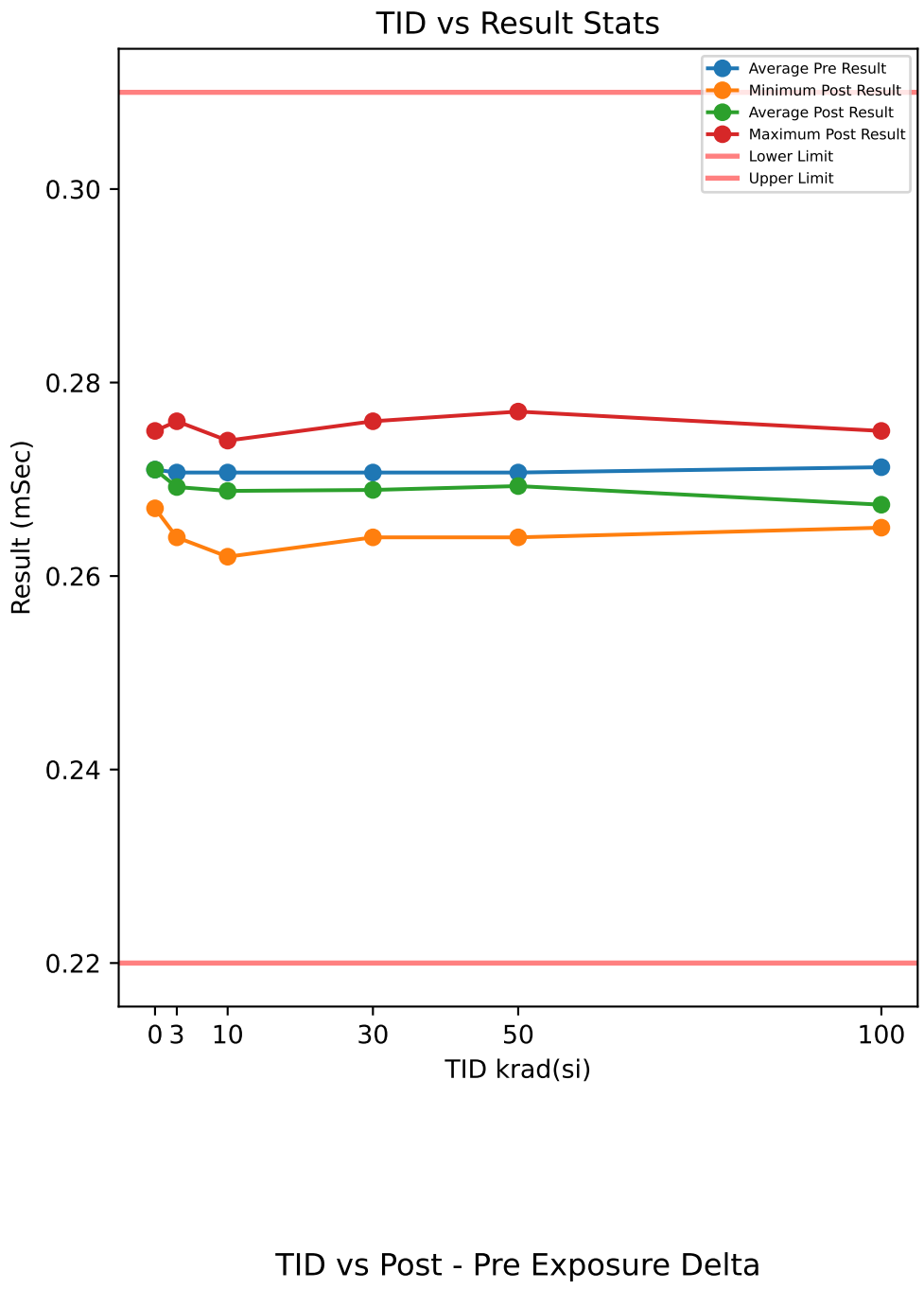

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

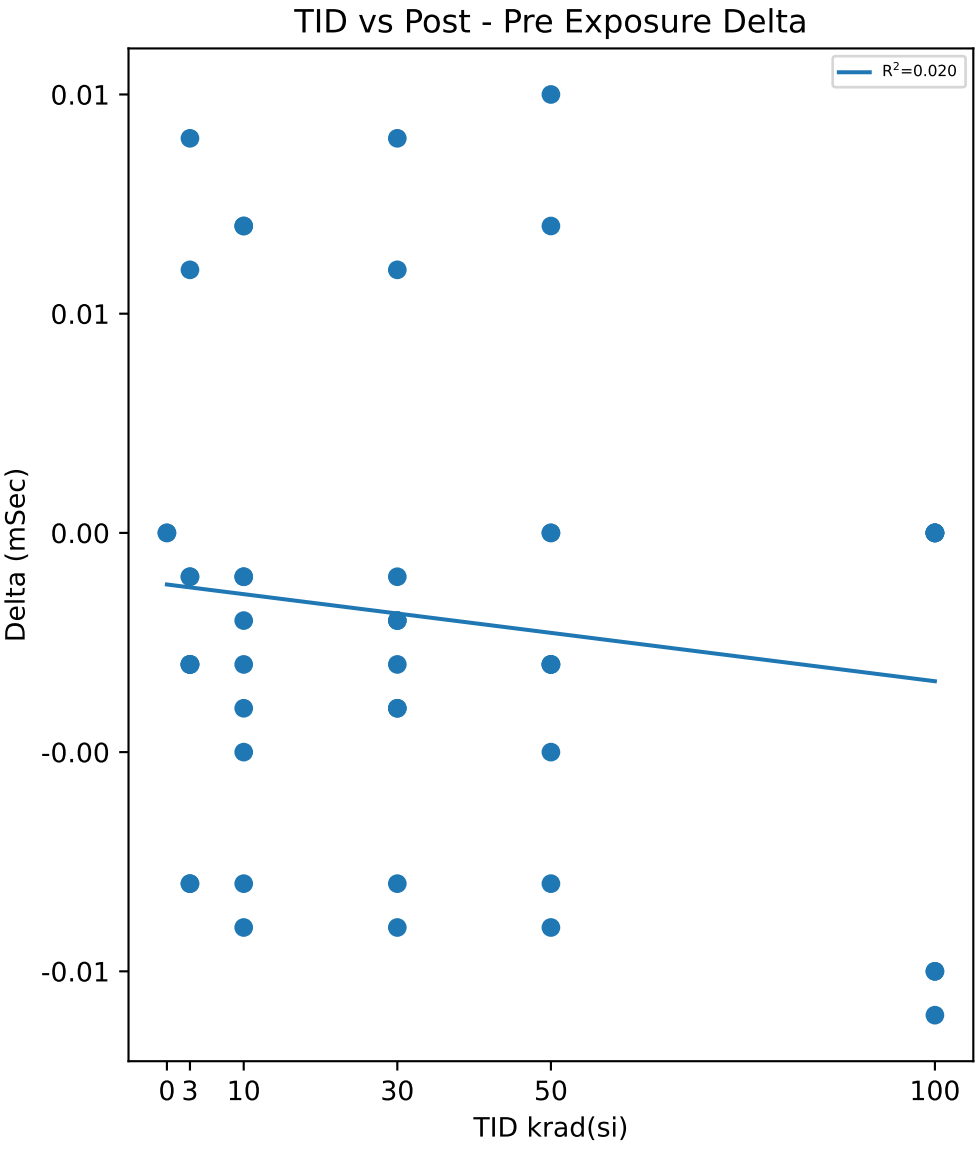
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.275 | 0.27 | -0.005 |
| 18 | 3 | LDR-Biased | 0.274 | 0.274 | 0 |
| 19 | 3 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 20 | 3 | LDR-Biased | 0.273 | 0.266 | -0.007 |
| 21 | 3 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.273 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.267 | 0 |
| 25 | 3 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.277 | 0.013 |
| 27 | 3 | LDR-Unbiased | 0.275 | 0.273 | -0.002 |
| 46 | 10 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 48 | 10 | LDR-Biased | 0.274 | 0.275 | 0.001 |
| 49 | 10 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 50 | 10 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 51 | 10 | LDR-Biased | 0.265 | 0.265 | 0 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |
| 76 | 30 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 78 | 30 | LDR-Biased | 0.274 | 0.272 | -0.002 |
| 79 | 30 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 80 | 30 | LDR-Biased | 0.273 | 0.266 | -0.007 |
| 81 | 30 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.276 | 0.012 |
| 87 | 100 | LDR-Biased | 0.264 | 0.264 | 0 |
| 88 | 100 | LDR-Biased | 0.278 | 0.274 | -0.004 |
| 90 | 100 | LDR-Biased | 0.274 | 0.274 | 0 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.267 | -0.009 |
| 95 | 100 | LDR-Unbiased | 0.274 | 0.265 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.264 | -0.011 |
| 106 | 50 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 108 | 50 | LDR-Biased | 0.274 | 0.274 | 0 |
| 109 | 50 | LDR-Biased | 0.268 | 0.264 | -0.004 |
| 110 | 50 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 111 | 50 | LDR-Biased | 0.265 | 0.265 | 0 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.273 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.277 | 0.013 |
| 117 | 50 | LDR-Unbiased | 0.275 | 0.275 | 0 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2692 | 0.275 | 0.0045166 | 0.263 | 0.2692 | 0.277 | 0.0048488 | -0.007 | 0 | 0.013 | 0.0058689 |
| 10 | 0.264 | 0.2692 | 0.275 | 0.0045166 | 0.264 | 0.269 | 0.275 | 0.0050332 | -0.009 | -0.0002 | 0.011 | 0.006321 |
| 30 | 0.264 | 0.2692 | 0.275 | 0.0045166 | 0.264 | 0.2688 | 0.276 | 0.004638 | -0.009 | -0.0004 | 0.012 | 0.0062218 |
| 50 | 0.264 | 0.2692 | 0.275 | 0.0045166 | 0.263 | 0.2689 | 0.277 | 0.0052377 | -0.008 | -0.0003 | 0.013 | 0.0063779 |
| 100 | 0.264 | 0.27138 | 0.278 | 0.0057306 | 0.263 | 0.26688 | 0.274 | 0.0045493 | -0.011 | -0.0045 | 0 | 0.004567 |

# Device Test: 5.111 tdly_Res10p5K_EN2_SU/EN2/7/3/10.5K/0/0/@DLY_TMR_10KOHM



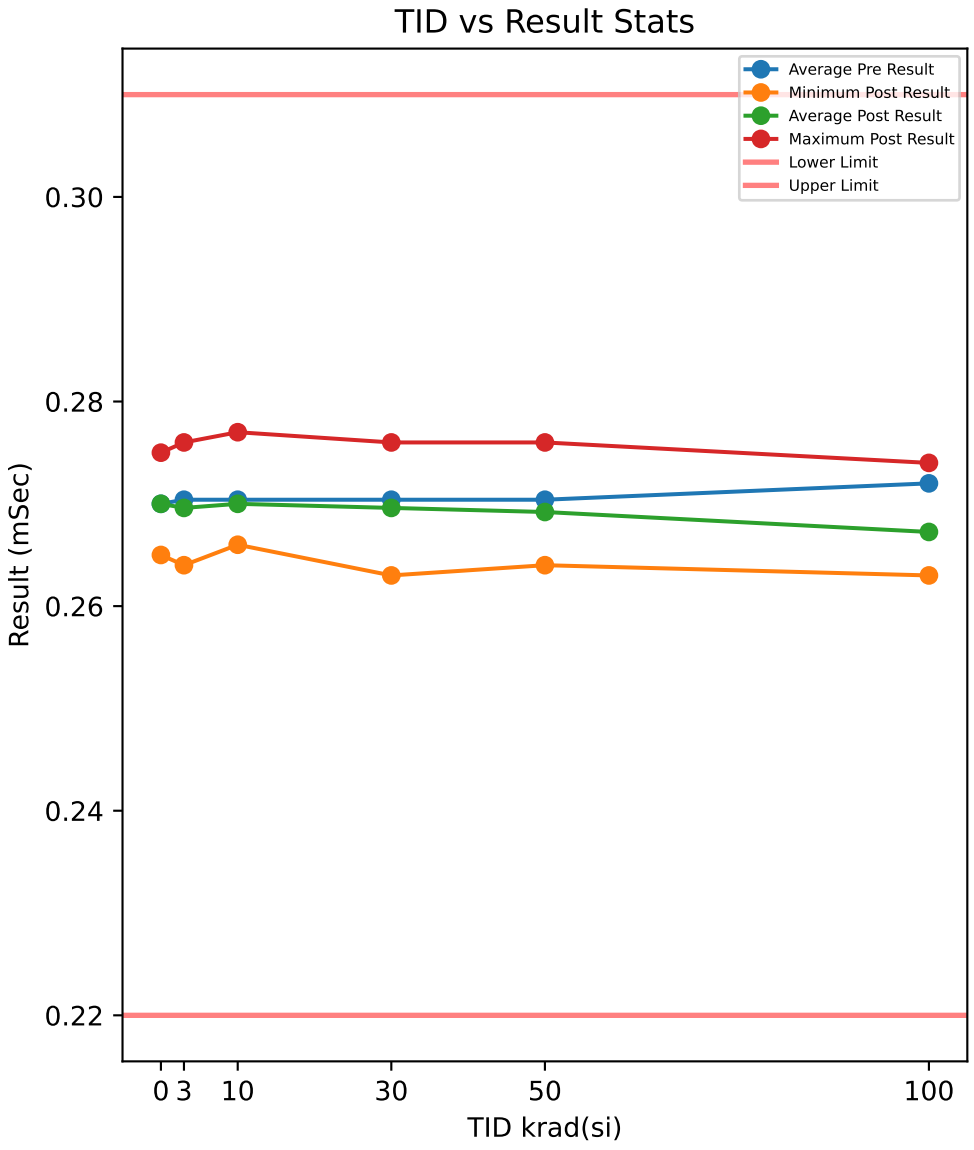

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

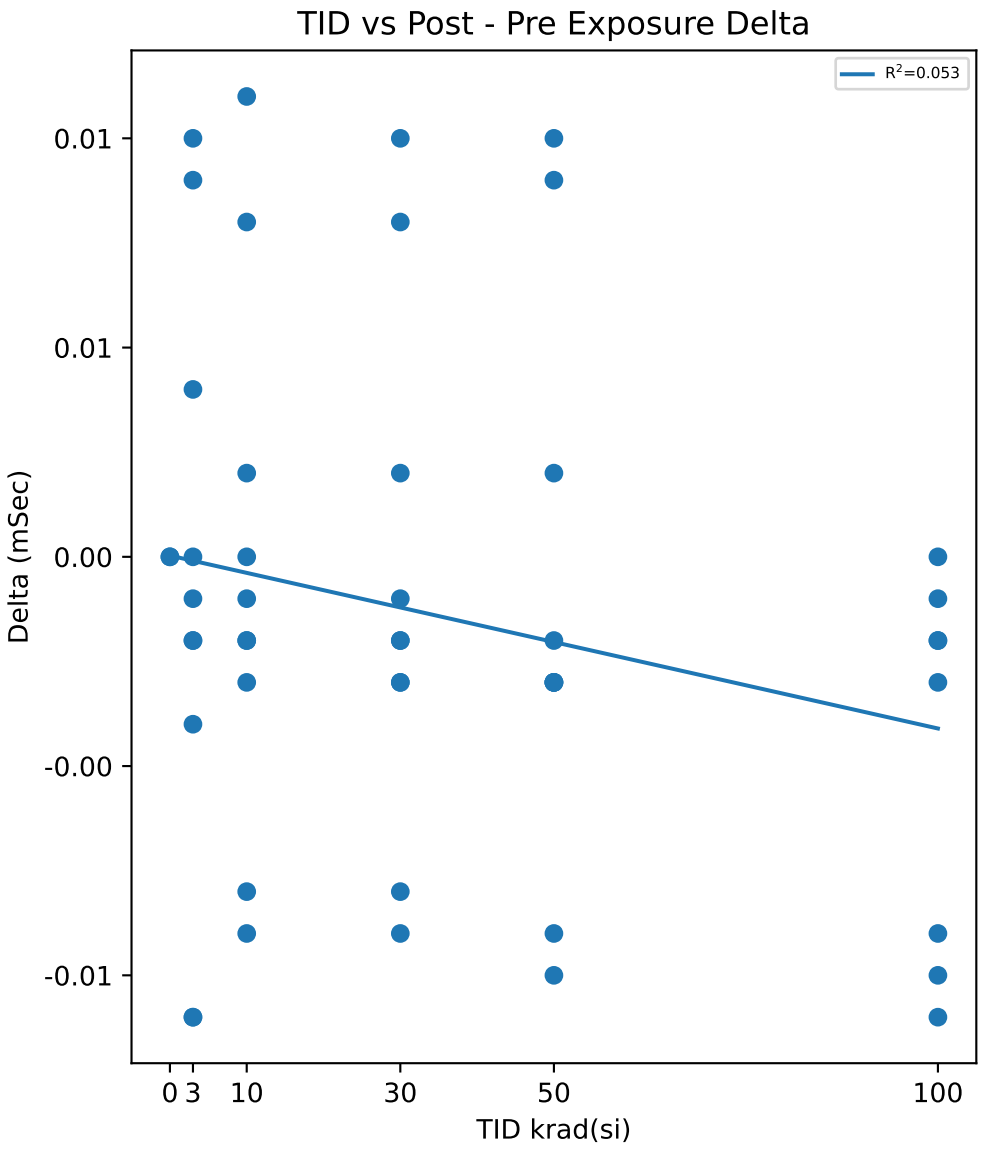
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.275 | 0.275 | 0 |
| 7 | 0 | Correlation | 0.267 | 0.267 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 18 | 3 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 19 | 3 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 20 | 3 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 21 | 3 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.273 | 0.006 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 46 | 10 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 48 | 10 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 49 | 10 | LDR-Biased | 0.269 | 0.267 | -0.002 |
| 50 | 10 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 51 | 10 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.262 | -0.005 |
| 56 | 10 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.273 | -0.004 |
| 76 | 30 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 78 | 30 | LDR-Biased | 0.277 | 0.273 | -0.004 |
| 79 | 30 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 80 | 30 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 81 | 30 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.273 | 0.006 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 87 | 100 | LDR-Biased | 0.265 | 0.265 | 0 |
| 88 | 100 | LDR-Biased | 0.275 | 0.275 | 0 |
| 90 | 100 | LDR-Biased | 0.274 | 0.274 | 0 |
| 91 | 100 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 106 | 50 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 108 | 50 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 109 | 50 | LDR-Biased | 0.269 | 0.264 | -0.005 |
| 110 | 50 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 111 | 50 | LDR-Biased | 0.266 | 0.266 | 0 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.267 | 0 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.267 | 0.277 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.267 | 0.271 | 0.275 | 0.0056569 | 0.267 | 0.271 | 0.275 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.266 | 0.2707 | 0.277 | 0.0046916 | 0.264 | 0.2692 | 0.276 | 0.0045166 | -0.008 | -0.0015 | 0.009 | 0.00538 |
| 10 | 0.266 | 0.2707 | 0.277 | 0.0046916 | 0.262 | 0.2688 | 0.274 | 0.004492 | -0.009 | -0.0019 | 0.007 | 0.0054047 |
| 30 | 0.266 | 0.2707 | 0.277 | 0.0046916 | 0.264 | 0.2689 | 0.276 | 0.0048178 | -0.009 | -0.0018 | 0.009 | 0.0055737 |
| 50 | 0.266 | 0.2707 | 0.277 | 0.0046916 | 0.264 | 0.2693 | 0.277 | 0.0049227 | -0.009 | -0.0014 | 0.01 | 0.0060222 |
| 100 | 0.265 | 0.27125 | 0.276 | 0.005203 | 0.265 | 0.26738 | 0.275 | 0.0044058 | -0.011 | -0.003875 | 0 | 0.0053569 |

# Device Test: 5.112 tdly_Res10p5K_EN3_SU/EN3/7/3/10.5K/0/0/@DLY_TMR_10KOHM



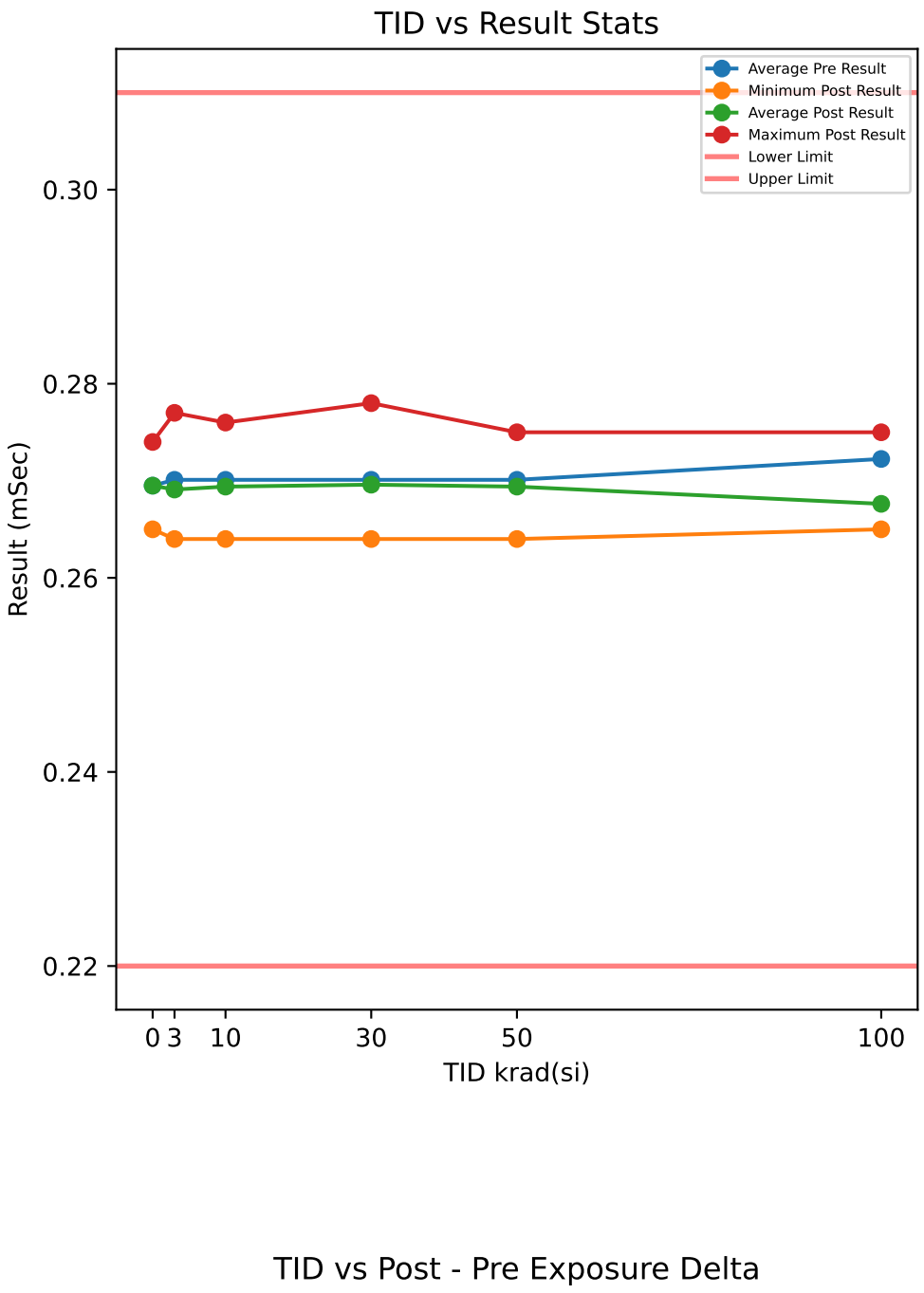

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

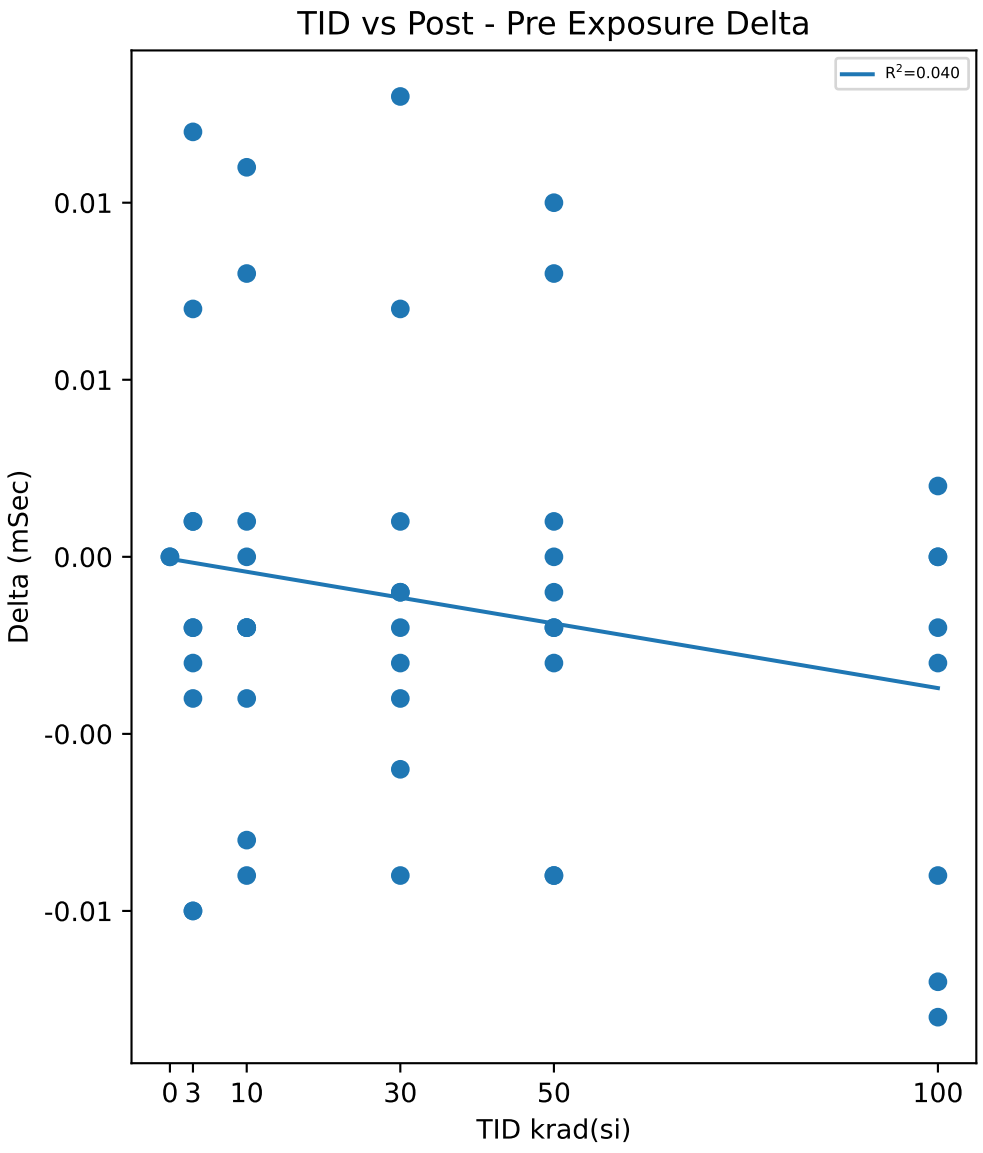
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.275 | 0.275 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.277 | 0.266 | -0.011 |
| 18 | 3 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 19 | 3 | LDR-Biased | 0.268 | 0.268 | 0 |
| 20 | 3 | LDR-Biased | 0.275 | 0.264 | -0.011 |
| 21 | 3 | LDR-Biased | 0.264 | 0.268 | 0.004 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.273 | -0.004 |
| 46 | 10 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 48 | 10 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 49 | 10 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 50 | 10 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 51 | 10 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.266 | 0.266 | 0 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 76 | 30 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 78 | 30 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 79 | 30 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 80 | 30 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 81 | 30 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 87 | 100 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 88 | 100 | LDR-Biased | 0.275 | 0.273 | -0.002 |
| 90 | 100 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.267 | -0.009 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 106 | 50 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 108 | 50 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 109 | 50 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 110 | 50 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 111 | 50 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.265 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.265 | 0.27 | 0.275 | 0.0070711 | 0.265 | 0.27 | 0.275 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2704 | 0.277 | 0.0053996 | 0.264 | 0.2696 | 0.276 | 0.0046476 | -0.011 | -0.0008 | 0.01 | 0.0071305 |
| 10 | 0.264 | 0.2704 | 0.277 | 0.0053996 | 0.266 | 0.27 | 0.277 | 0.0044222 | -0.009 | -0.0004 | 0.011 | 0.0062397 |
| 30 | 0.264 | 0.2704 | 0.277 | 0.0053996 | 0.263 | 0.2696 | 0.276 | 0.0046476 | -0.009 | -0.0008 | 0.01 | 0.0060882 |
| 50 | 0.264 | 0.2704 | 0.277 | 0.0053996 | 0.264 | 0.2692 | 0.276 | 0.0049171 | -0.01 | -0.0012 | 0.01 | 0.0065963 |
| 100 | 0.265 | 0.272 | 0.276 | 0.0052644 | 0.263 | 0.26725 | 0.274 | 0.0040267 | -0.011 | -0.00475 | 0 | 0.0044641 |

# Device Test: 5.113 tdly_Res10p5K_EN4_SU/EN4/7/3/10.5K/0/0/@DLY_TMR_10KOHM



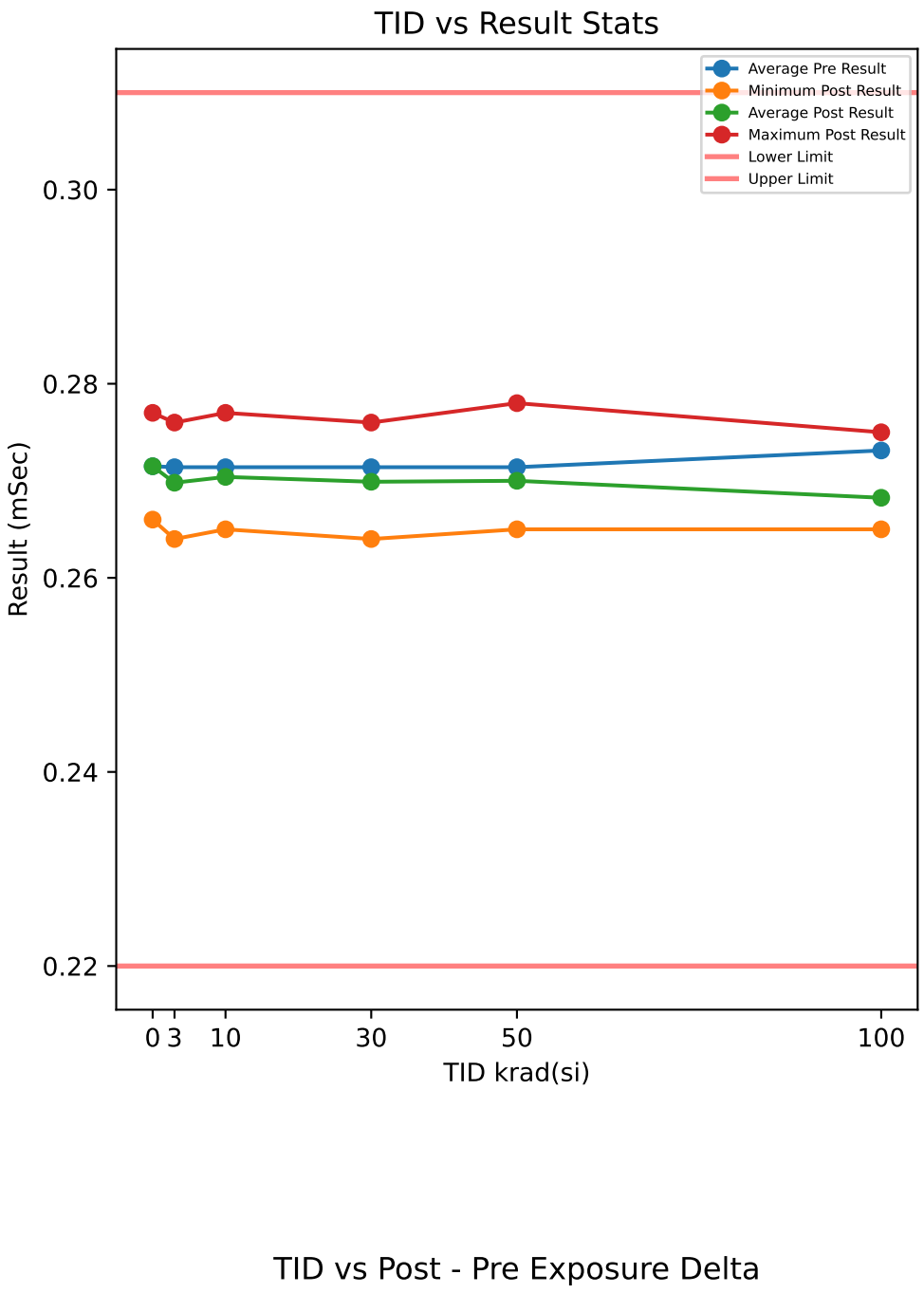

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

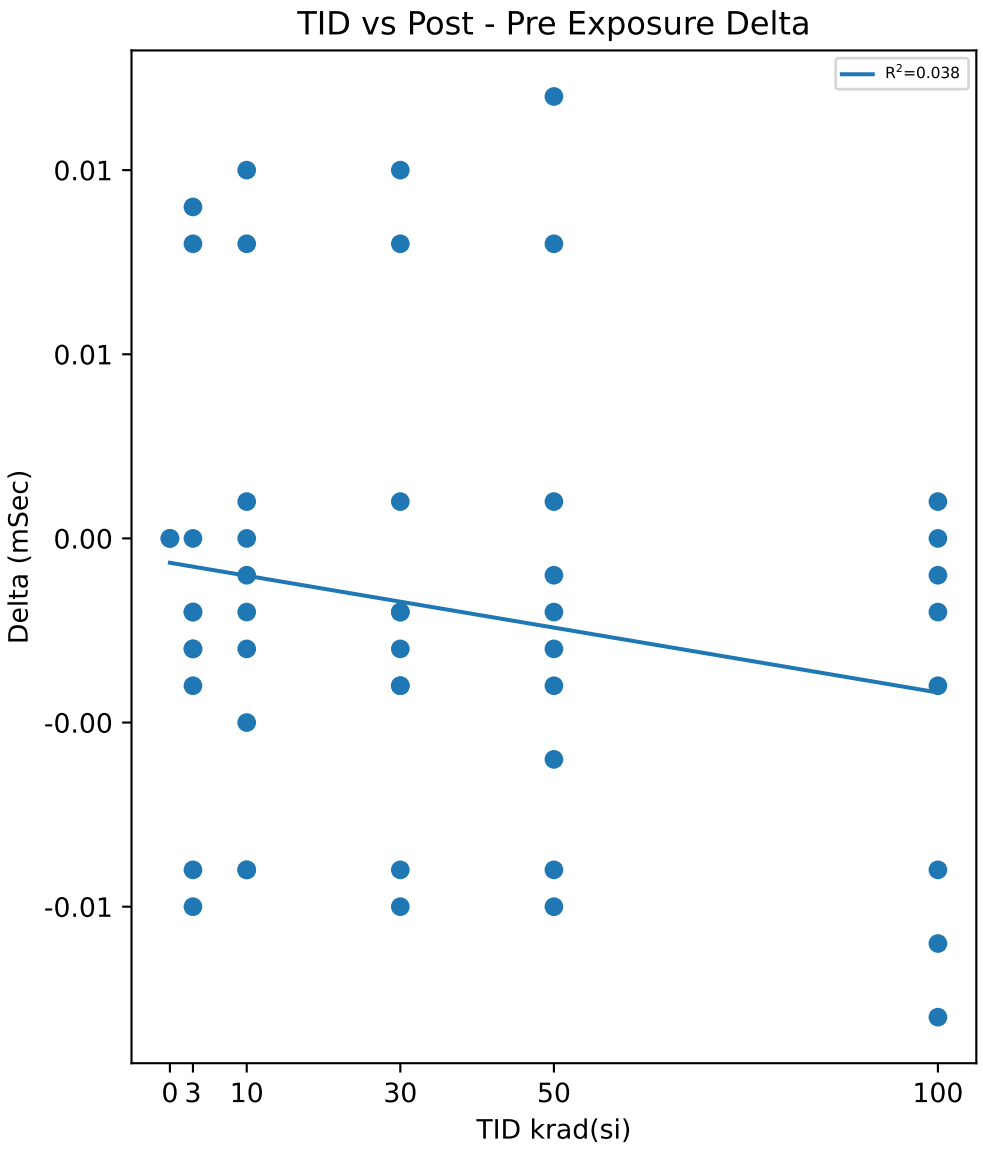
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 18 | 3 | LDR-Biased | 0.274 | 0.275 | 0.001 |
| 19 | 3 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 20 | 3 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 21 | 3 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.277 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 46 | 10 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 48 | 10 | LDR-Biased | 0.274 | 0.274 | 0 |
| 49 | 10 | LDR-Biased | 0.269 | 0.267 | -0.002 |
| 50 | 10 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 51 | 10 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.273 | -0.004 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 79 | 30 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 80 | 30 | LDR-Biased | 0.274 | 0.268 | -0.006 |
| 81 | 30 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.278 | 0.013 |
| 87 | 100 | LDR-Biased | 0.266 | 0.266 | 0 |
| 88 | 100 | LDR-Biased | 0.275 | 0.275 | 0 |
| 90 | 100 | LDR-Biased | 0.276 | 0.273 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.266 | 0.002 |
| 94 | 100 | LDR-Unbiased | 0.277 | 0.265 | -0.012 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.266 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.278 | 0.265 | -0.013 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.274 | 0.274 | 0 |
| 109 | 50 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 110 | 50 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 111 | 50 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.265 | 0.2701 | 0.277 | 0.0046774 | 0.264 | 0.2691 | 0.277 | 0.0051951 | -0.01 | -0.001 | 0.012 | 0.006815 |
| 10 | 0.265 | 0.2701 | 0.277 | 0.0046774 | 0.264 | 0.2694 | 0.276 | 0.0045265 | -0.009 | -0.0007 | 0.011 | 0.0062725 |
| 30 | 0.265 | 0.2701 | 0.277 | 0.0046774 | 0.264 | 0.2696 | 0.278 | 0.0047422 | -0.009 | -0.0005 | 0.013 | 0.006364 |
| 50 | 0.265 | 0.2701 | 0.277 | 0.0046774 | 0.264 | 0.2694 | 0.275 | 0.0046952 | -0.009 | -0.0007 | 0.01 | 0.0061473 |
| 100 | 0.264 | 0.27225 | 0.278 | 0.0055997 | 0.265 | 0.26763 | 0.275 | 0.0039978 | -0.013 | -0.004625 | 0.002 | 0.0058539 |

# Device Test: 5.114 tdly_Res10p5K_SEQ_SU/SEQ_DONE/7/3/10.5K/0/0/@DLY_TMR_10KOHM



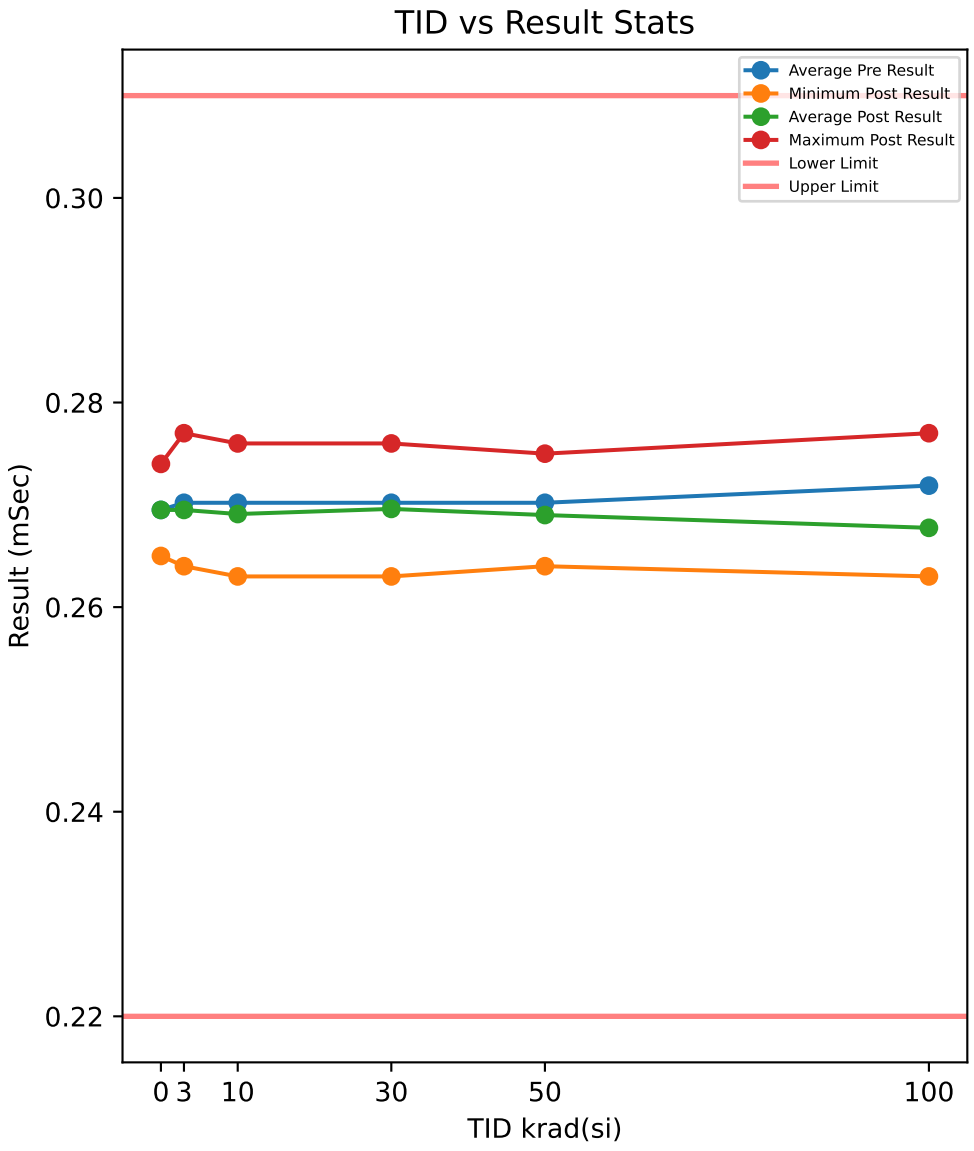

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

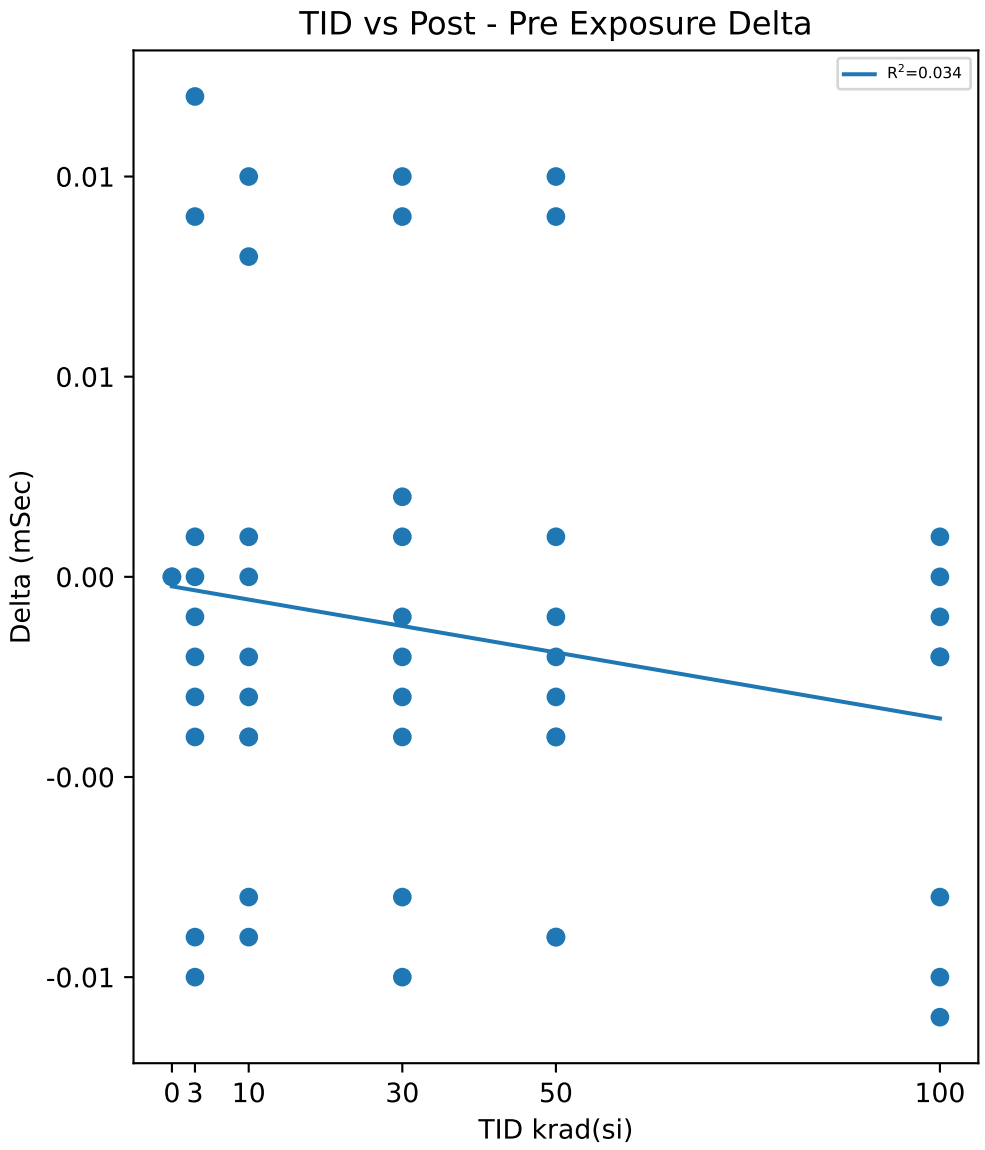
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.277 | 0.277 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.278 | 0.269 | -0.009 |
| 18 | 3 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 19 | 3 | LDR-Biased | 0.271 | 0.267 | -0.004 |
| 20 | 3 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 21 | 3 | LDR-Biased | 0.265 | 0.265 | 0 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.27 | 0.267 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.278 | 0.276 | -0.002 |
| 46 | 10 | LDR-Biased | 0.278 | 0.269 | -0.009 |
| 48 | 10 | LDR-Biased | 0.276 | 0.276 | 0 |
| 49 | 10 | LDR-Biased | 0.271 | 0.266 | -0.005 |
| 50 | 10 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 51 | 10 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.27 | 0.267 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.278 | 0.277 | -0.001 |
| 76 | 30 | LDR-Biased | 0.278 | 0.268 | -0.01 |
| 78 | 30 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 79 | 30 | LDR-Biased | 0.271 | 0.267 | -0.004 |
| 80 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 81 | 30 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.278 | 0.276 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 87 | 100 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 88 | 100 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 90 | 100 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.269 | 0.265 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 94 | 100 | LDR-Unbiased | 0.278 | 0.267 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.277 | 0.268 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.279 | 0.266 | -0.013 |
| 106 | 50 | LDR-Biased | 0.278 | 0.269 | -0.009 |
| 108 | 50 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 109 | 50 | LDR-Biased | 0.271 | 0.265 | -0.006 |
| 110 | 50 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 111 | 50 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.278 | 0.012 |
| 117 | 50 | LDR-Unbiased | 0.278 | 0.275 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2715 | 0.277 | 0.0077782 | 0.266 | 0.2715 | 0.277 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 0.265 | 0.2714 | 0.278 | 0.0051683 | 0.264 | 0.2698 | 0.276 | 0.0046857 | -0.01 | -0.0016 | 0.009 | 0.006168 |
| 10 | 0.265 | 0.2714 | 0.278 | 0.0051683 | 0.265 | 0.2704 | 0.277 | 0.0049486 | -0.009 | -0.001 | 0.01 | 0.0062893 |
| 30 | 0.265 | 0.2714 | 0.278 | 0.0051683 | 0.264 | 0.2699 | 0.276 | 0.0047481 | -0.01 | -0.0015 | 0.01 | 0.0064334 |
| 50 | 0.265 | 0.2714 | 0.278 | 0.0051683 | 0.265 | 0.27 | 0.278 | 0.0051424 | -0.01 | -0.0014 | 0.012 | 0.0069634 |
| 100 | 0.265 | 0.27313 | 0.279 | 0.0058417 | 0.265 | 0.26825 | 0.275 | 0.0039911 | -0.013 | -0.004875 | 0.001 | 0.0053835 |

# Device Test: 5.115 tdly_Res10p5K_PWRGD_SU/PWRGD/7/3/10.5K/0/0/@DLY_TMR_10KOHM



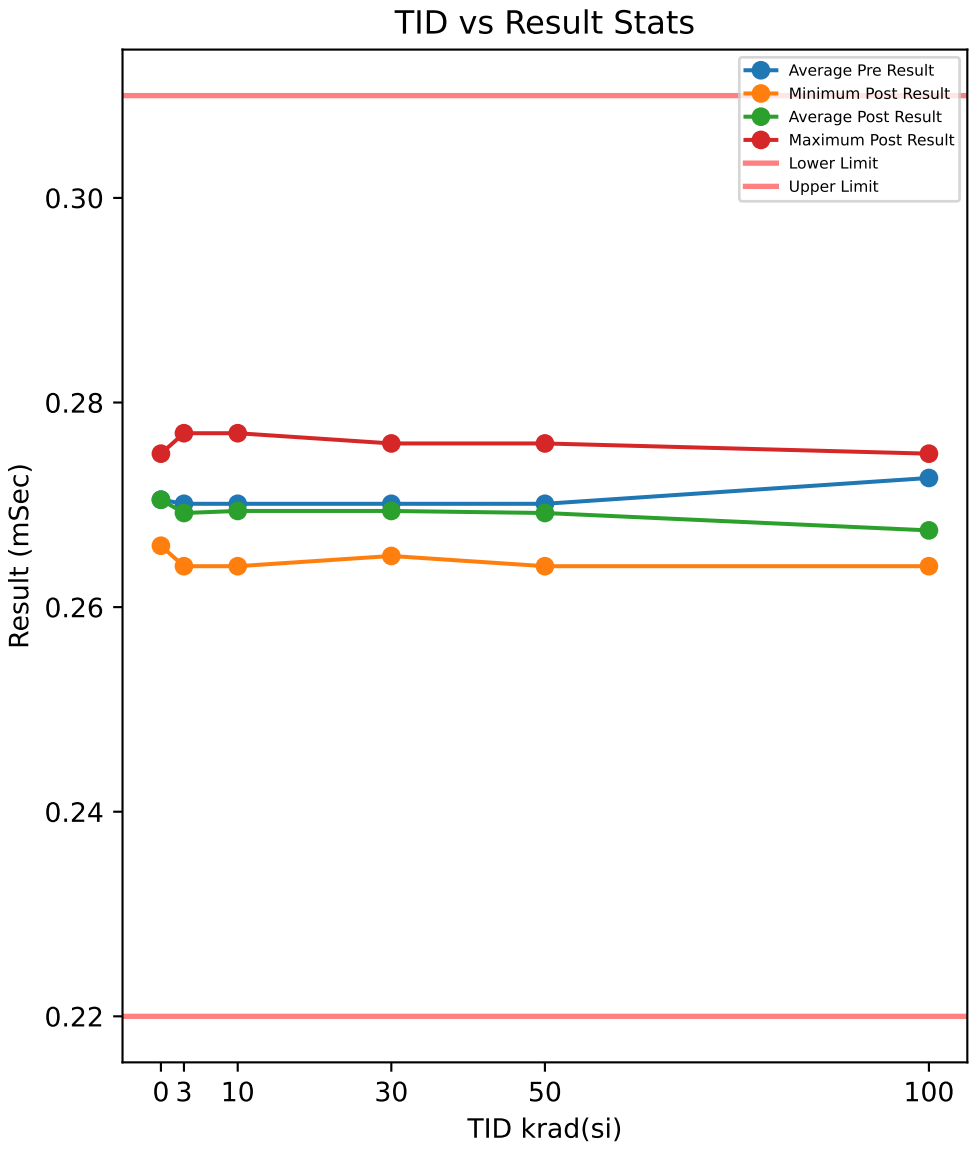

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

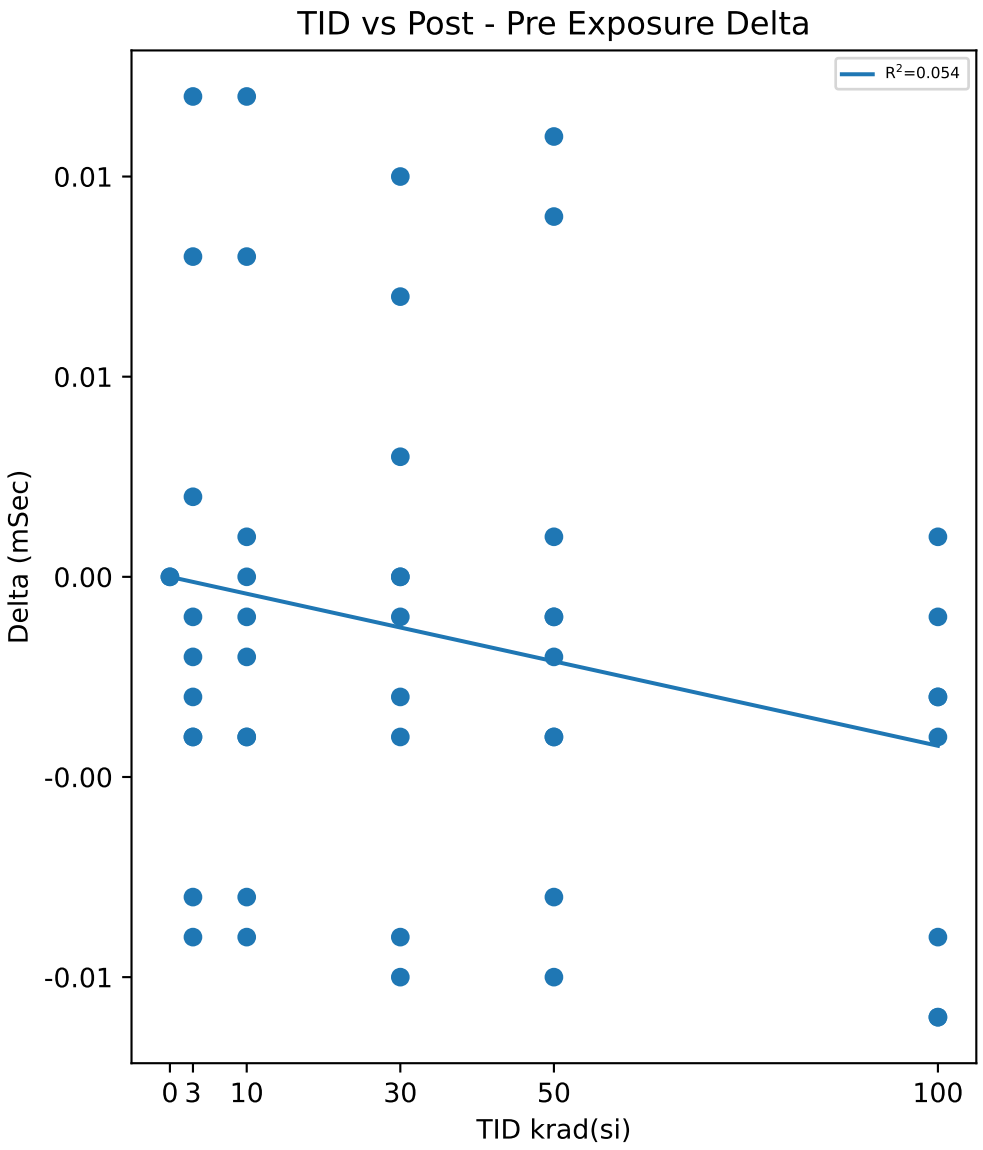
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 18 | 3 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 19 | 3 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 20 | 3 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 21 | 3 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.277 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.275 | 0.275 | 0 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 49 | 10 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 50 | 10 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 51 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.275 | 0.276 | 0.001 |
| 76 | 30 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 78 | 30 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 79 | 30 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 80 | 30 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 81 | 30 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.275 | 0.276 | 0.001 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 87 | 100 | LDR-Biased | 0.265 | 0.265 | 0 |
| 88 | 100 | LDR-Biased | 0.276 | 0.277 | 0.001 |
| 90 | 100 | LDR-Biased | 0.275 | 0.273 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.277 | 0.266 | -0.011 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.267 | -0.008 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.277 | 0.273 | -0.004 |
| 109 | 50 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 110 | 50 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2702 | 0.277 | 0.0050067 | 0.264 | 0.2695 | 0.277 | 0.0052546 | -0.01 | -0.0007 | 0.012 | 0.006929 |
| 10 | 0.264 | 0.2702 | 0.277 | 0.0050067 | 0.263 | 0.2691 | 0.276 | 0.0050651 | -0.009 | -0.0011 | 0.01 | 0.0061725 |
| 30 | 0.264 | 0.2702 | 0.277 | 0.0050067 | 0.263 | 0.2696 | 0.276 | 0.0050376 | -0.01 | -0.0006 | 0.01 | 0.006467 |
| 50 | 0.264 | 0.2702 | 0.277 | 0.0050067 | 0.264 | 0.269 | 0.275 | 0.0046188 | -0.009 | -0.0012 | 0.01 | 0.0064601 |
| 100 | 0.265 | 0.27188 | 0.277 | 0.0054625 | 0.263 | 0.26775 | 0.277 | 0.0047434 | -0.011 | -0.004125 | 0.001 | 0.0047641 |

# Device Test: 5.116 tdly_Res10p5K_EN1_SD/EN1/7/3/10.5K/0/0/@DLY_TMR_10KOHM



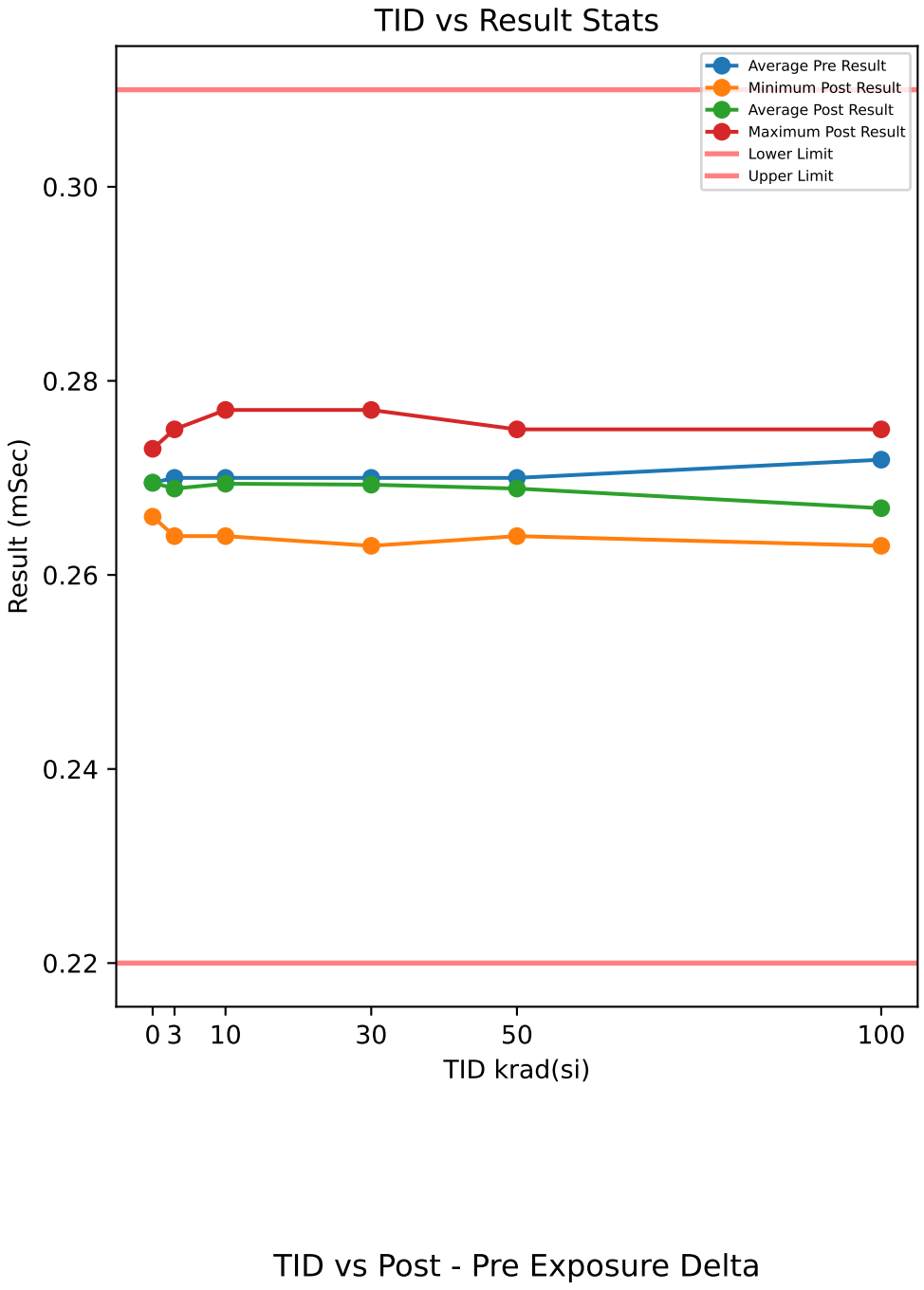

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

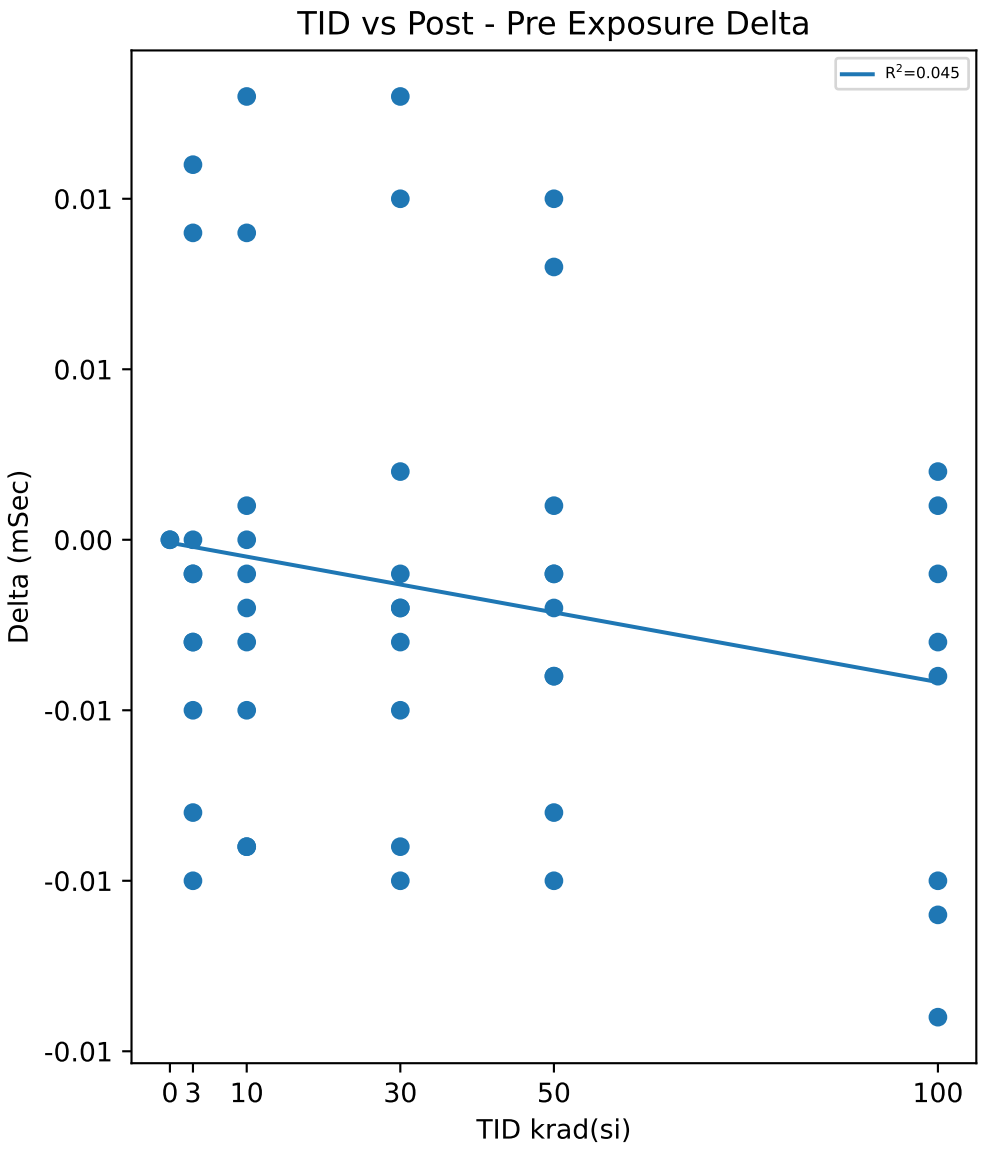
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.275 | 0.275 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 18 | 3 | LDR-Biased | 0.275 | 0.273 | -0.002 |
| 19 | 3 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 20 | 3 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 21 | 3 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.277 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.273 | -0.003 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.275 | 0.275 | 0 |
| 49 | 10 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 50 | 10 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 51 | 10 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.277 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.275 | 0.275 | 0 |
| 79 | 30 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 80 | 30 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 81 | 30 | LDR-Biased | 0.264 | 0.267 | 0.003 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.273 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.276 | 0 |
| 85 | 30 | LDR-Unbiased | 0.268 | 0.265 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 87 | 100 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 88 | 100 | LDR-Biased | 0.278 | 0.275 | -0.003 |
| 90 | 100 | LDR-Biased | 0.276 | 0.272 | -0.004 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.278 | 0.267 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.266 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 106 | 50 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 108 | 50 | LDR-Biased | 0.275 | 0.273 | -0.002 |
| 109 | 50 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 110 | 50 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2705 | 0.275 | 0.006364 | 0.266 | 0.2705 | 0.275 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2701 | 0.276 | 0.0048637 | 0.264 | 0.2692 | 0.277 | 0.0045656 | -0.009 | -0.0009 | 0.012 | 0.006624 |
| 10 | 0.264 | 0.2701 | 0.276 | 0.0048637 | 0.264 | 0.2694 | 0.277 | 0.0051897 | -0.009 | -0.0007 | 0.012 | 0.0065498 |
| 30 | 0.264 | 0.2701 | 0.276 | 0.0048637 | 0.265 | 0.2694 | 0.276 | 0.0047188 | -0.01 | -0.0007 | 0.01 | 0.0063254 |
| 50 | 0.264 | 0.2701 | 0.276 | 0.0048637 | 0.264 | 0.2692 | 0.276 | 0.0049396 | -0.01 | -0.0009 | 0.011 | 0.0066408 |
| 100 | 0.265 | 0.27263 | 0.278 | 0.0056045 | 0.264 | 0.2675 | 0.275 | 0.0038914 | -0.011 | -0.005125 | 0.001 | 0.0046117 |

# Device Test: 5.117 tdly_Res10p5K_EN2_SD/EN2/7/3/10.5K/0/0/@DLY_TMR_10KOHM



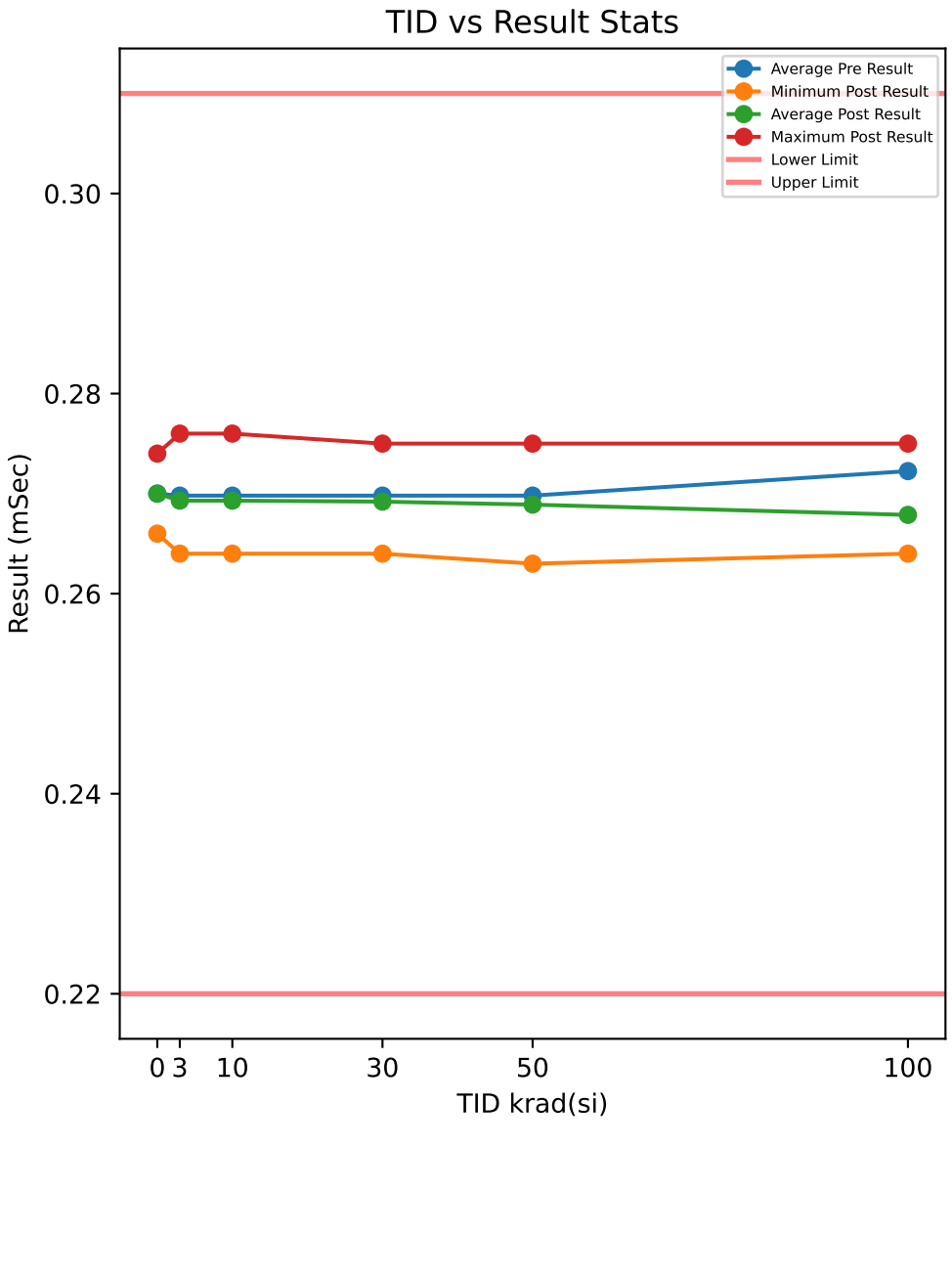

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

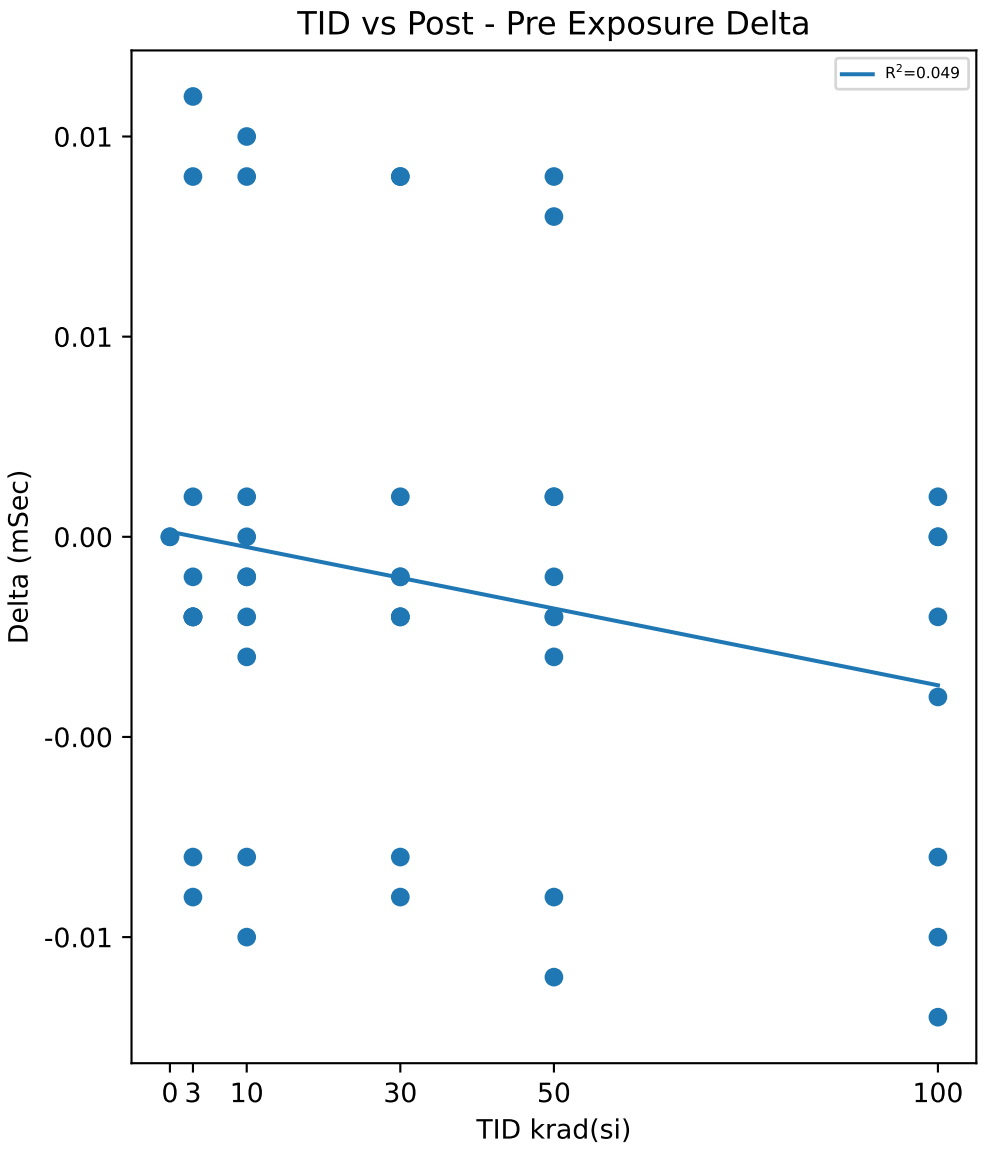
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.273 | 0.273 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 18 | 3 | LDR-Biased | 0.275 | 0.274 | -0.001 |
| 19 | 3 | LDR-Biased | 0.27 | 0.265 | -0.005 |
| 20 | 3 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 21 | 3 | LDR-Biased | 0.264 | 0.264 | 0 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.275 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.273 | -0.003 |
| 46 | 10 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 48 | 10 | LDR-Biased | 0.275 | 0.274 | -0.001 |
| 49 | 10 | LDR-Biased | 0.27 | 0.265 | -0.005 |
| 50 | 10 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 51 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.277 | 0.013 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.275 | 0.274 | -0.001 |
| 79 | 30 | LDR-Biased | 0.27 | 0.265 | -0.005 |
| 80 | 30 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 81 | 30 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 83 | 30 | LDR-Unbiased | 0.269 | 0.267 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.273 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.277 | 0.013 |
| 87 | 100 | LDR-Biased | 0.263 | 0.265 | 0.002 |
| 88 | 100 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 90 | 100 | LDR-Biased | 0.275 | 0.272 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 96 | 100 | LDR-Unbiased | 0.278 | 0.264 | -0.014 |
| 106 | 50 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 108 | 50 | LDR-Biased | 0.275 | 0.273 | -0.002 |
| 109 | 50 | LDR-Biased | 0.27 | 0.266 | -0.004 |
| 110 | 50 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.269 | 0.265 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.274 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2695 | 0.273 | 0.0049497 | 0.266 | 0.2695 | 0.273 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.27 | 0.276 | 0.0051208 | 0.264 | 0.2689 | 0.275 | 0.0047714 | -0.01 | -0.0011 | 0.011 | 0.0066575 |
| 10 | 0.264 | 0.27 | 0.276 | 0.0051208 | 0.264 | 0.2694 | 0.277 | 0.0049486 | -0.009 | -0.0006 | 0.013 | 0.0070585 |
| 30 | 0.264 | 0.27 | 0.276 | 0.0051208 | 0.263 | 0.2693 | 0.277 | 0.0051435 | -0.01 | -0.0007 | 0.013 | 0.0073944 |
| 50 | 0.264 | 0.27 | 0.276 | 0.0051208 | 0.264 | 0.2689 | 0.275 | 0.0045326 | -0.01 | -0.0011 | 0.01 | 0.0062796 |
| 100 | 0.263 | 0.27188 | 0.278 | 0.0061281 | 0.263 | 0.26688 | 0.275 | 0.0042573 | -0.014 | -0.005 | 0.002 | 0.0059522 |

# Device Test: 5.118 tdly_Res10p5K_EN3_SD/EN3/7/3/10.5K/0/0/@DLY_TMR_10KOHM



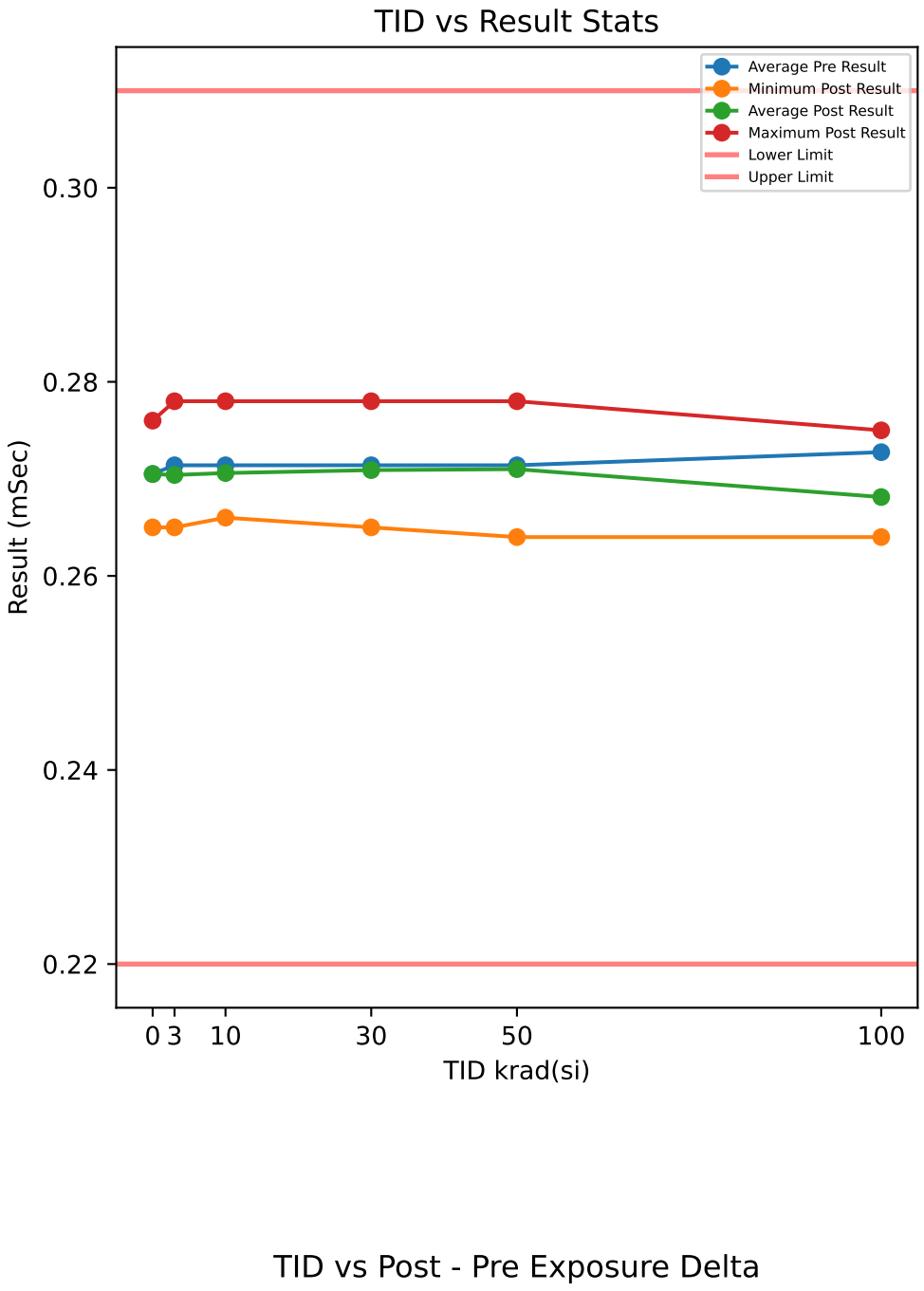

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

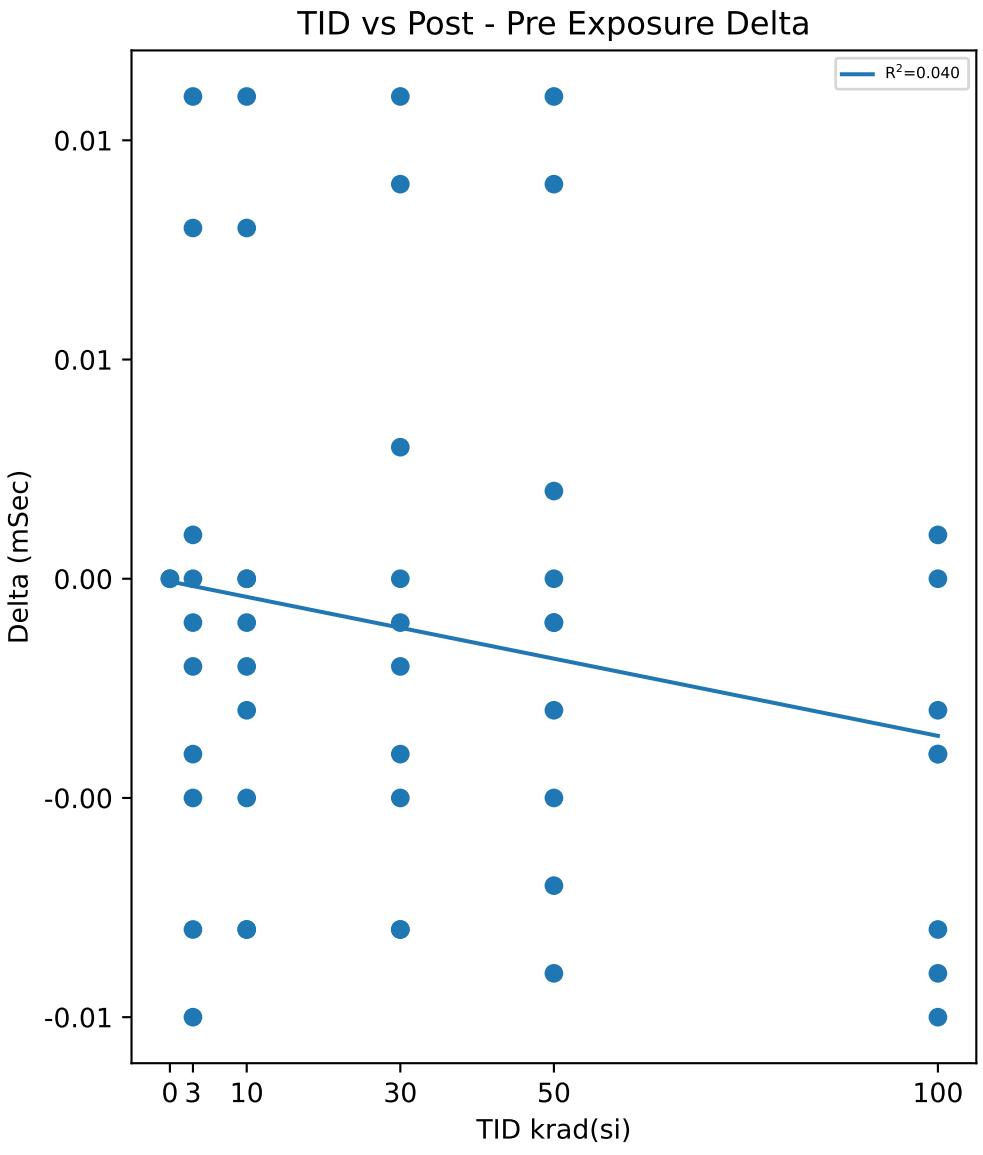
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 18 | 3 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 19 | 3 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 20 | 3 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 21 | 3 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 49 | 10 | LDR-Biased | 0.268 | 0.268 | 0 |
| 50 | 10 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 51 | 10 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.265 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 76 | 30 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 78 | 30 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 79 | 30 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 80 | 30 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 81 | 30 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 87 | 100 | LDR-Biased | 0.265 | 0.265 | 0 |
| 88 | 100 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 90 | 100 | LDR-Biased | 0.275 | 0.275 | 0 |
| 91 | 100 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.266 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.275 | 0.267 | -0.008 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.277 | 0.265 | -0.012 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.274 | 0.275 | 0.001 |
| 109 | 50 | LDR-Biased | 0.268 | 0.267 | -0.001 |
| 110 | 50 | LDR-Biased | 0.275 | 0.264 | -0.011 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2698 | 0.276 | 0.0048717 | 0.264 | 0.2693 | 0.276 | 0.004644 | -0.009 | -0.0005 | 0.011 | 0.0063465 |
| 10 | 0.264 | 0.2698 | 0.276 | 0.0048717 | 0.264 | 0.2693 | 0.276 | 0.0047152 | -0.01 | -0.0005 | 0.01 | 0.0063114 |
| 30 | 0.264 | 0.2698 | 0.276 | 0.0048717 | 0.264 | 0.2692 | 0.275 | 0.0042895 | -0.009 | -0.0006 | 0.009 | 0.0059479 |
| 50 | 0.264 | 0.2698 | 0.276 | 0.0048717 | 0.263 | 0.2689 | 0.275 | 0.0047714 | -0.011 | -0.0009 | 0.009 | 0.0063149 |
| 100 | 0.265 | 0.27225 | 0.277 | 0.0053117 | 0.264 | 0.26788 | 0.275 | 0.0044861 | -0.012 | -0.004375 | 0.001 | 0.0050125 |

# Device Test: 5.119 tdly_Res10p5K_EN4_SD/EN4/7/3/10.5K/0/0/@DLY_TMR_10KOHM



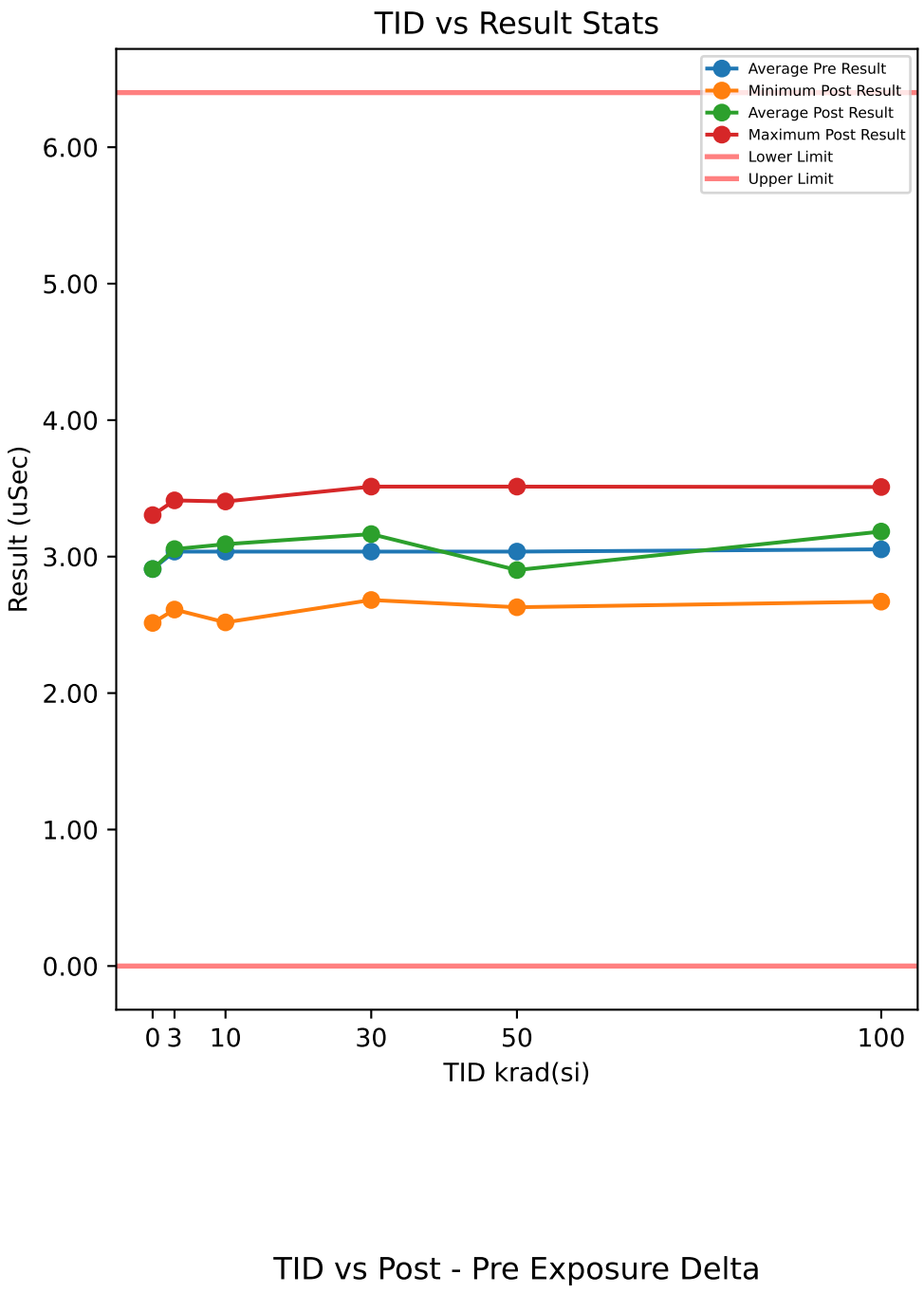

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

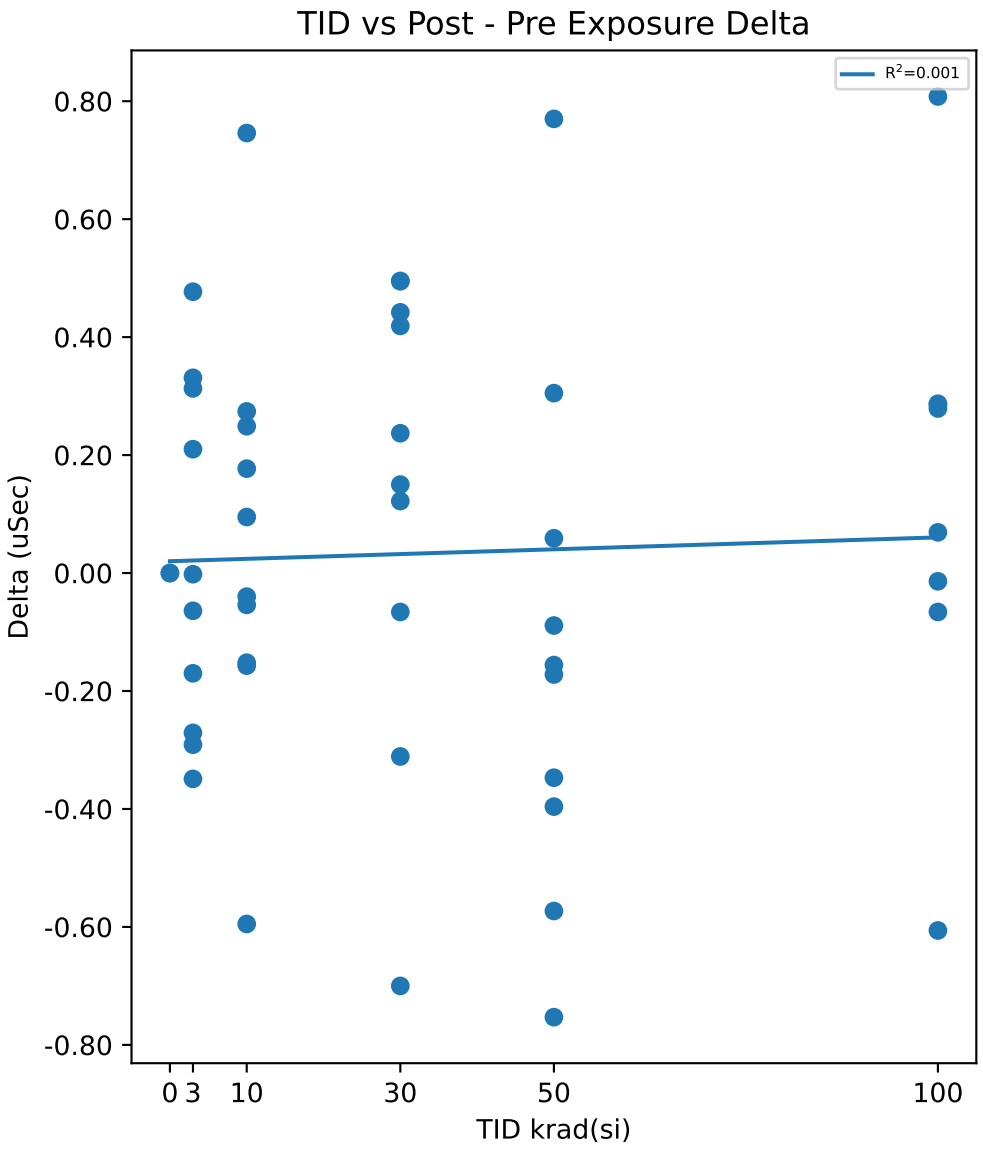
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.276 | 0.276 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.277 | 0.269 | -0.008 |
| 18 | 3 | LDR-Biased | 0.275 | 0.276 | 0.001 |
| 19 | 3 | LDR-Biased | 0.27 | 0.266 | -0.004 |
| 20 | 3 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 21 | 3 | LDR-Biased | 0.266 | 0.266 | 0 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.272 | 0.267 | -0.005 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.267 | 0.278 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.276 | -0.001 |
| 46 | 10 | LDR-Biased | 0.277 | 0.269 | -0.008 |
| 48 | 10 | LDR-Biased | 0.275 | 0.275 | 0 |
| 49 | 10 | LDR-Biased | 0.27 | 0.267 | -0.003 |
| 50 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 51 | 10 | LDR-Biased | 0.266 | 0.266 | 0 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.272 | 0.267 | -0.005 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.267 | 0.278 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |
| 76 | 30 | LDR-Biased | 0.277 | 0.269 | -0.008 |
| 78 | 30 | LDR-Biased | 0.275 | 0.275 | 0 |
| 79 | 30 | LDR-Biased | 0.27 | 0.266 | -0.004 |
| 80 | 30 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 81 | 30 | LDR-Biased | 0.266 | 0.269 | 0.003 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.272 | 0.267 | -0.005 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.276 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.267 | 0.278 | 0.011 |
| 87 | 100 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 88 | 100 | LDR-Biased | 0.279 | 0.275 | -0.004 |
| 90 | 100 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 94 | 100 | LDR-Unbiased | 0.277 | 0.267 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.267 | -0.008 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.267 | -0.009 |
| 106 | 50 | LDR-Biased | 0.277 | 0.27 | -0.007 |
| 108 | 50 | LDR-Biased | 0.275 | 0.275 | 0 |
| 109 | 50 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 110 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 111 | 50 | LDR-Biased | 0.266 | 0.268 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.272 | 0.267 | -0.005 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.267 | 0.278 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.276 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.265 | 0.2705 | 0.276 | 0.0077782 | 0.265 | 0.2705 | 0.276 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 0.266 | 0.2714 | 0.277 | 0.0045509 | 0.265 | 0.2704 | 0.278 | 0.0051897 | -0.01 | -0.001 | 0.011 | 0.006549 |
| 10 | 0.266 | 0.2714 | 0.277 | 0.0045509 | 0.266 | 0.2706 | 0.278 | 0.0045995 | -0.008 | -0.0008 | 0.011 | 0.0061968 |
| 30 | 0.266 | 0.2714 | 0.277 | 0.0045509 | 0.265 | 0.2709 | 0.278 | 0.0048178 | -0.008 | -0.0005 | 0.011 | 0.0065192 |
| 50 | 0.266 | 0.2714 | 0.277 | 0.0045509 | 0.264 | 0.271 | 0.278 | 0.0048305 | -0.009 | -0.0004 | 0.011 | 0.0064153 |
| 100 | 0.265 | 0.27275 | 0.279 | 0.0057756 | 0.264 | 0.26813 | 0.275 | 0.0040861 | -0.01 | -0.004625 | 0.001 | 0.0040686 |

# Device Test: 5.12 tpd_EN1_SU/EN1/1.6/14/0/0/0/@TPD_EN



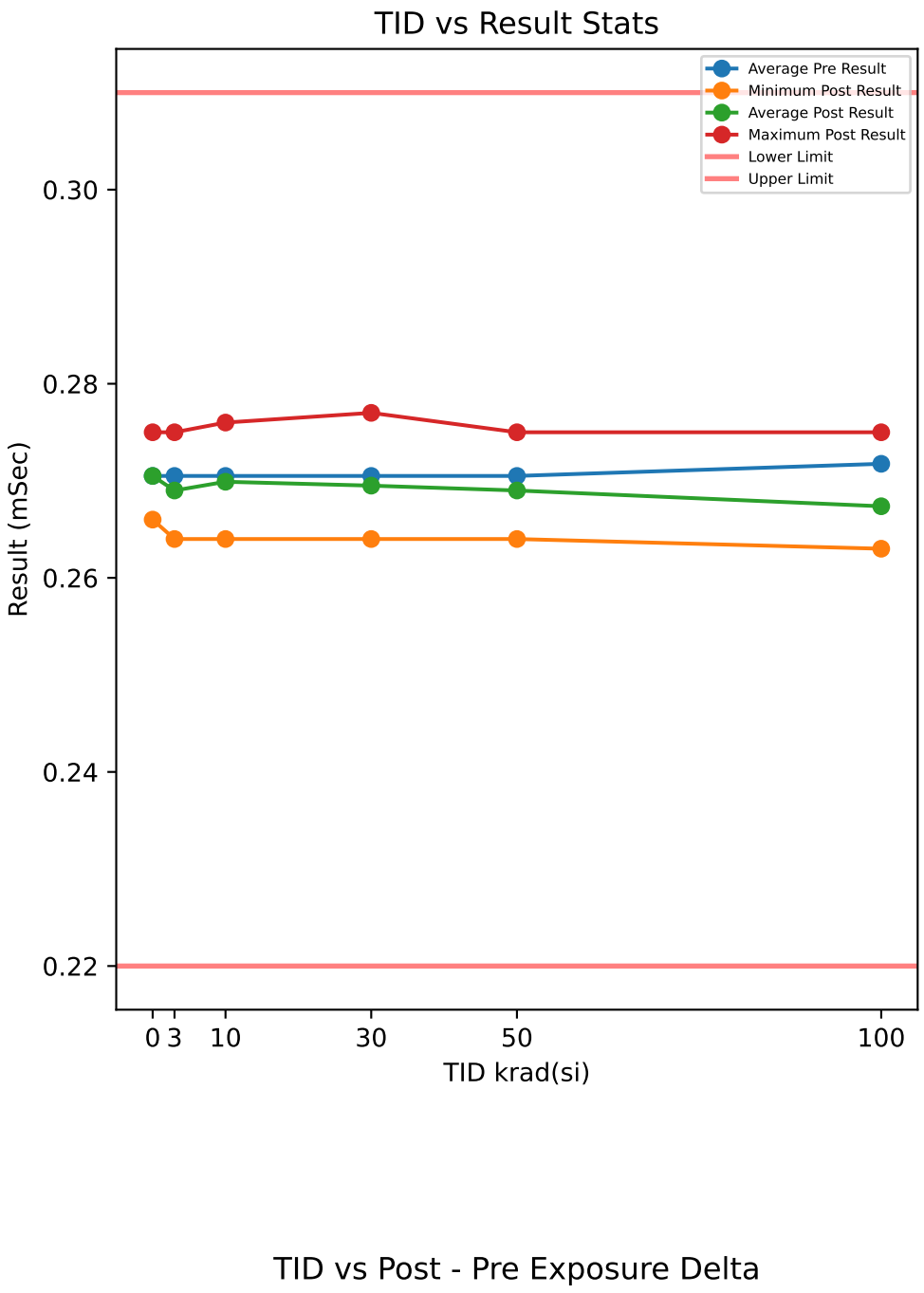

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

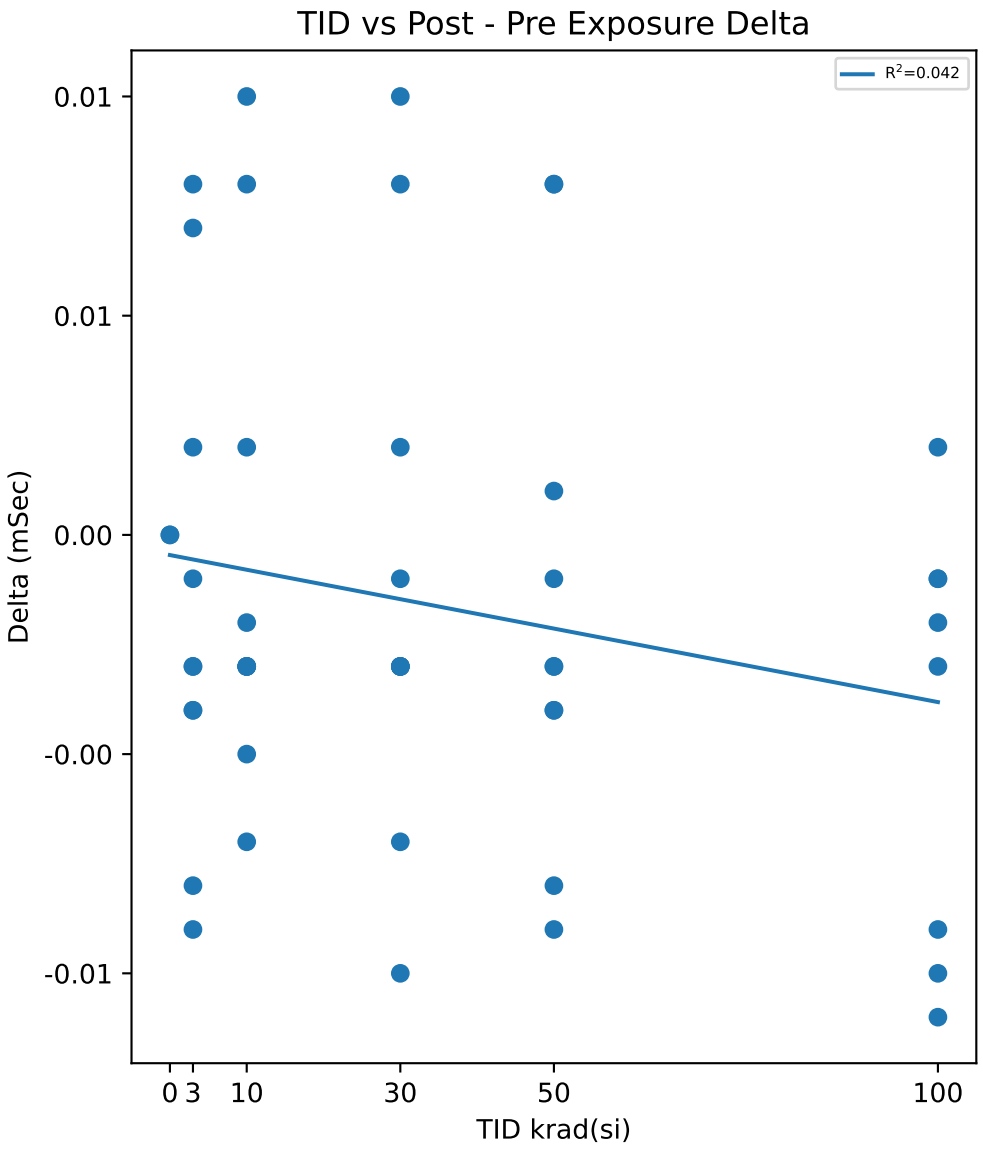
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.514 | 2.514 | 0 |
| 7 | 0 | Correlation | 3.304 | 3.304 | 0 |
| 16 | 3 | LDR-Biased | 3.382 | 3.318 | -0.064 |
| 18 | 3 | LDR-Biased | 2.623 | 2.936 | 0.313 |
| 19 | 3 | LDR-Biased | 2.961 | 2.612 | -0.349 |
| 20 | 3 | LDR-Biased | 3.113 | 3.323 | 0.21 |
| 21 | 3 | LDR-Biased | 3.071 | 2.8 | -0.271 |
| 22 | 3 | LDR-Unbiased | 2.957 | 2.955 | -0.002 |
| 23 | 3 | LDR-Unbiased | 2.935 | 3.412 | 0.477 |
| 25 | 3 | LDR-Unbiased | 3.458 | 3.288 | -0.17 |
| 26 | 3 | LDR-Unbiased | 3.124 | 2.833 | -0.291 |
| 27 | 3 | LDR-Unbiased | 2.743 | 3.074 | 0.331 |
| 46 | 10 | LDR-Biased | 3.382 | 3.342 | -0.04 |
| 48 | 10 | LDR-Biased | 2.623 | 3.369 | 0.746 |
| 49 | 10 | LDR-Biased | 2.961 | 3.138 | 0.177 |
| 50 | 10 | LDR-Biased | 3.113 | 2.518 | -0.595 |
| 51 | 10 | LDR-Biased | 3.071 | 3.166 | 0.095 |
| 52 | 10 | LDR-Unbiased | 2.957 | 3.231 | 0.274 |
| 53 | 10 | LDR-Unbiased | 2.935 | 2.783 | -0.152 |
| 55 | 10 | LDR-Unbiased | 3.458 | 3.404 | -0.054 |
| 56 | 10 | LDR-Unbiased | 3.124 | 3.373 | 0.249 |
| 57 | 10 | LDR-Unbiased | 2.743 | 2.586 | -0.157 |
| 76 | 30 | LDR-Biased | 3.382 | 2.682 | -0.7 |
| 78 | 30 | LDR-Biased | 2.623 | 2.773 | 0.15 |
| 79 | 30 | LDR-Biased | 2.961 | 3.083 | 0.122 |
| 80 | 30 | LDR-Biased | 3.113 | 3.047 | -0.066 |
| 81 | 30 | LDR-Biased | 3.071 | 3.513 | 0.442 |
| 82 | 30 | LDR-Unbiased | 2.957 | 3.376 | 0.419 |
| 83 | 30 | LDR-Unbiased | 2.935 | 3.43 | 0.495 |
| 84 | 30 | LDR-Unbiased | 2.743 | 3.238 | 0.495 |
| 85 | 30 | LDR-Unbiased | 3.458 | 3.147 | -0.311 |
| 86 | 30 | LDR-Unbiased | 3.124 | 3.361 | 0.237 |
| 87 | 100 | LDR-Biased | 2.994 | 3.281 | 0.287 |
| 88 | 100 | LDR-Biased | 3.276 | 2.67 | -0.606 |
| 90 | 100 | LDR-Biased | 3.09 | 3.024 | -0.066 |
| 91 | 100 | LDR-Unbiased | 3.202 | 3.488 | 0.286 |
| 93 | 100 | LDR-Unbiased | 2.921 | 3.2 | 0.279 |
| 94 | 100 | LDR-Unbiased | 2.702 | 3.51 | 0.808 |
| 95 | 100 | LDR-Unbiased | 3.33 | 3.399 | 0.069 |
| 96 | 100 | LDR-Unbiased | 2.911 | 2.897 | -0.014 |
| 106 | 50 | LDR-Biased | 3.382 | 2.629 | -0.753 |
| 108 | 50 | LDR-Biased | 2.623 | 2.682 | 0.059 |
| 109 | 50 | LDR-Biased | 2.961 | 3.266 | 0.305 |
| 110 | 50 | LDR-Biased | 3.113 | 2.766 | -0.347 |
| 111 | 50 | LDR-Biased | 3.071 | 2.675 | -0.396 |
| 112 | 50 | LDR-Unbiased | 2.957 | 2.785 | -0.172 |
| 113 | 50 | LDR-Unbiased | 2.935 | 2.846 | -0.089 |
| 115 | 50 | LDR-Unbiased | 3.458 | 2.885 | -0.573 |
| 116 | 50 | LDR-Unbiased | 3.124 | 2.968 | -0.156 |
| 117 | 50 | LDR-Unbiased | 2.743 | 3.513 | 0.77 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.514 | 2.909 | 3.304 | 0.55861 | 2.514 | 2.909 | 3.304 | 0.55861 | 0 | 0 | 0 | 0 |
| 3 | 2.623 | 3.0367 | 3.458 | 0.25629 | 2.612 | 3.0551 | 3.412 | 0.27035 | -0.349 | 0.0184 | 0.477 | 0.29603 |
| 10 | 2.623 | 3.0367 | 3.458 | 0.25629 | 2.518 | 3.091 | 3.404 | 0.33722 | -0.595 | 0.0543 | 0.746 | 0.35131 |
| 30 | 2.623 | 3.0367 | 3.458 | 0.25629 | 2.682 | 3.165 | 3.513 | 0.27639 | -0.7 | 0.1283 | 0.495 | 0.39172 |
| 50 | 2.623 | 3.0367 | 3.458 | 0.25629 | 2.629 | 2.9015 | 3.513 | 0.28289 | -0.753 | -0.1352 | 0.77 | 0.43983 |
| 100 | 2.702 | 3.0532 | 3.33 | 0.2119 | 2.67 | 3.1836 | 3.51 | 0.29922 | -0.606 | 0.13038 | 0.808 | 0.40275 |

# Device Test: 5.120 tdly_Res10p5K_SEQ_SD/SEQ_DONE/7/3/10.5K/0/0/@DLY_TMR_10KOHM



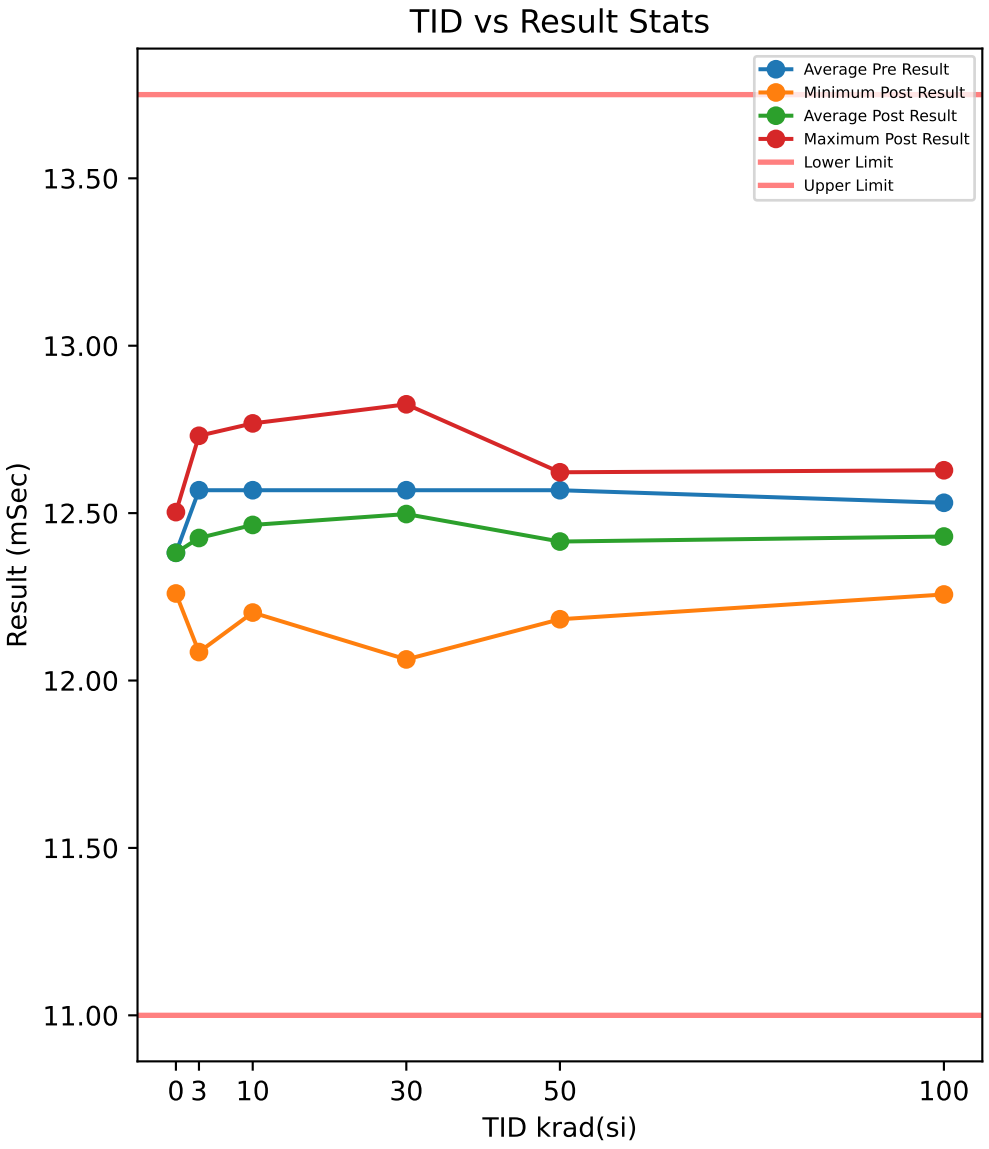

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

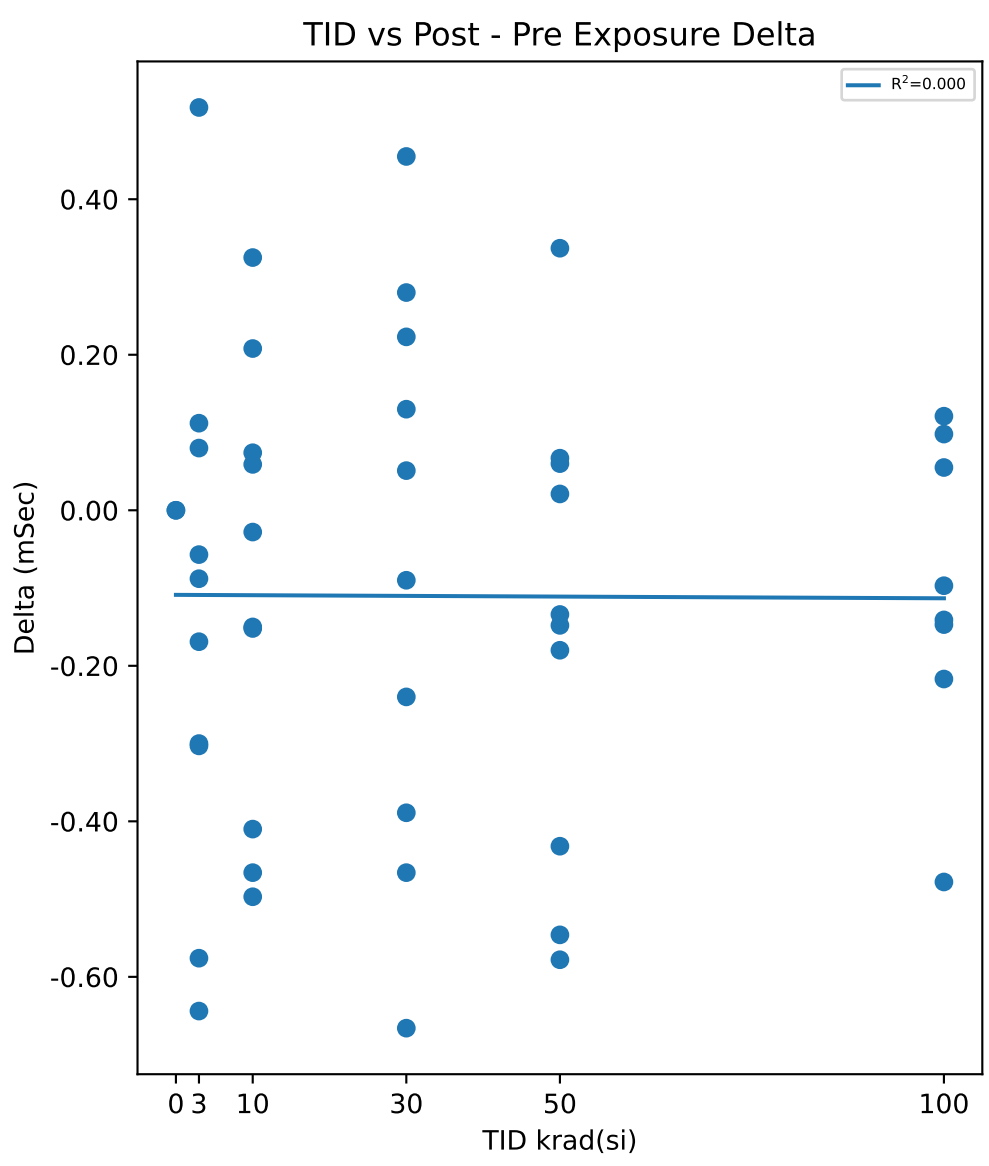
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.275 | 0.275 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 18 | 3 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 19 | 3 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 20 | 3 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 21 | 3 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 46 | 10 | LDR-Biased | 0.275 | 0.27 | -0.005 |
| 48 | 10 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 49 | 10 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 50 | 10 | LDR-Biased | 0.274 | 0.267 | -0.007 |
| 51 | 10 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 53 | 10 | LDR-Unbiased | 0.27 | 0.267 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 76 | 30 | LDR-Biased | 0.275 | 0.268 | -0.007 |
| 78 | 30 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 79 | 30 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 80 | 30 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 81 | 30 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.27 | 0.267 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.267 | 0.277 | 0.01 |
| 87 | 100 | LDR-Biased | 0.263 | 0.265 | 0.002 |
| 88 | 100 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 90 | 100 | LDR-Biased | 0.275 | 0.274 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.267 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 106 | 50 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 108 | 50 | LDR-Biased | 0.277 | 0.273 | -0.004 |
| 109 | 50 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 110 | 50 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2705 | 0.275 | 0.006364 | 0.266 | 0.2705 | 0.275 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2705 | 0.277 | 0.0046488 | 0.264 | 0.269 | 0.275 | 0.0045947 | -0.009 | -0.0015 | 0.008 | 0.0056814 |
| 10 | 0.264 | 0.2705 | 0.277 | 0.0046488 | 0.264 | 0.2699 | 0.276 | 0.0044585 | -0.007 | -0.0006 | 0.01 | 0.0055618 |
| 30 | 0.264 | 0.2705 | 0.277 | 0.0046488 | 0.264 | 0.2695 | 0.277 | 0.0049497 | -0.01 | -0.001 | 0.01 | 0.0061824 |
| 50 | 0.264 | 0.2705 | 0.277 | 0.0046488 | 0.264 | 0.269 | 0.275 | 0.0046188 | -0.009 | -0.0015 | 0.008 | 0.0057975 |
| 100 | 0.263 | 0.27175 | 0.276 | 0.0057009 | 0.263 | 0.26738 | 0.275 | 0.004565 | -0.011 | -0.004375 | 0.002 | 0.0048972 |

# Device Test: 5.121 tdly_Res619K_EN1_SU/EN1/7/3/619K/0/0/@DLY_TMR_500KOHM



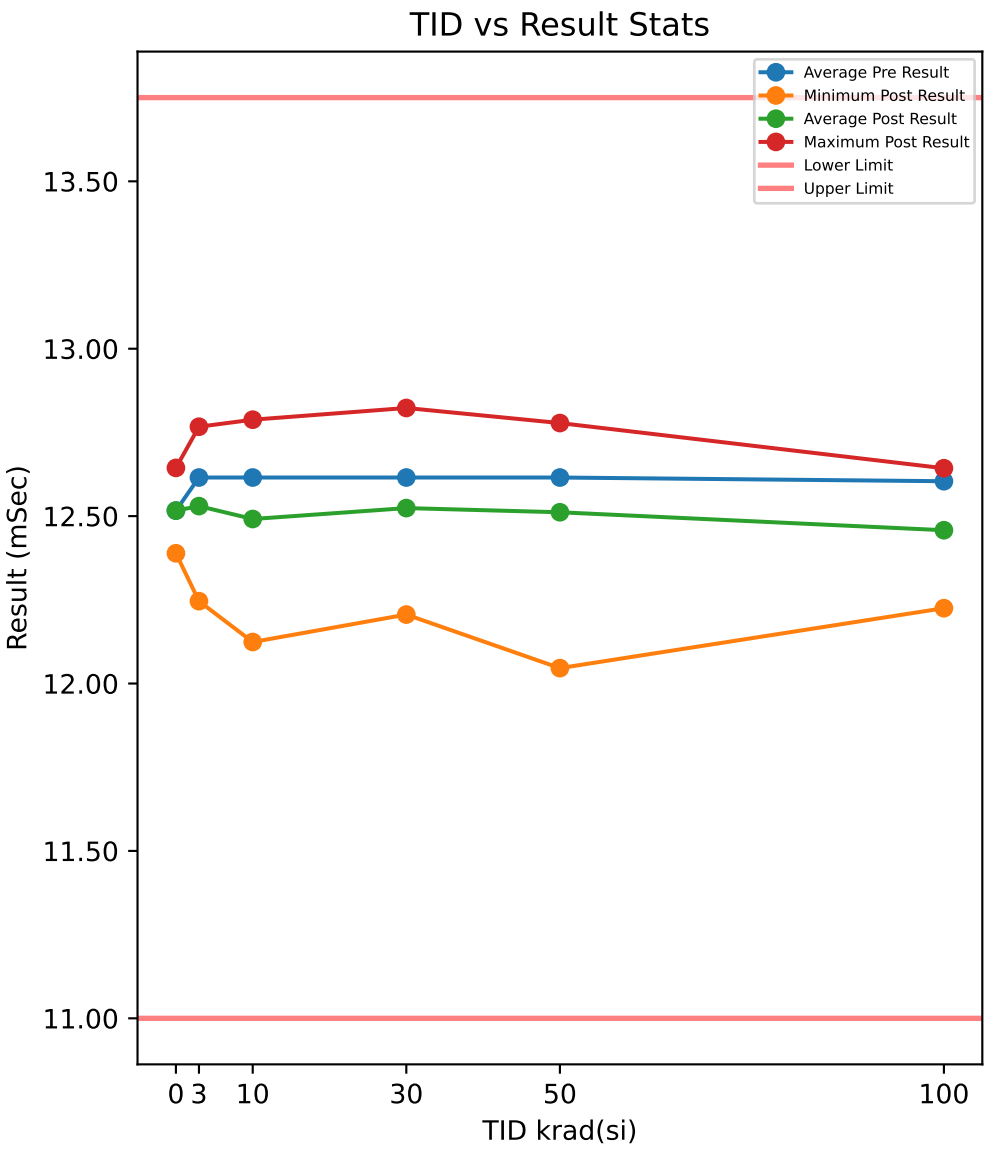

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.503 | 12.503 | 0 |
| 7 | 0 | Correlation | 12.26 | 12.26 | 0 |
| 16 | 3 | LDR-Biased | 12.8 | 12.224 | -0.576 |
| 18 | 3 | LDR-Biased | 12.709 | 12.621 | -0.088 |
| 19 | 3 | LDR-Biased | 12.71 | 12.41 | -0.3 |
| 20 | 3 | LDR-Biased | 12.669 | 12.366 | -0.303 |
| 21 | 3 | LDR-Biased | 12.255 | 12.367 | 0.112 |
| 22 | 3 | LDR-Unbiased | 12.213 | 12.731 | 0.518 |
| 23 | 3 | LDR-Unbiased | 12.601 | 12.544 | -0.057 |
| 25 | 3 | LDR-Unbiased | 12.729 | 12.085 | -0.644 |
| 26 | 3 | LDR-Unbiased | 12.453 | 12.284 | -0.169 |
| 27 | 3 | LDR-Unbiased | 12.545 | 12.625 | 0.08 |
| 46 | 10 | LDR-Biased | 12.8 | 12.39 | -0.41 |
| 48 | 10 | LDR-Biased | 12.709 | 12.768 | 0.059 |
| 49 | 10 | LDR-Biased | 12.71 | 12.56 | -0.15 |
| 50 | 10 | LDR-Biased | 12.669 | 12.203 | -0.466 |
| 51 | 10 | LDR-Biased | 12.255 | 12.227 | -0.028 |
| 52 | 10 | LDR-Unbiased | 12.213 | 12.538 | 0.325 |
| 53 | 10 | LDR-Unbiased | 12.601 | 12.675 | 0.074 |
| 55 | 10 | LDR-Unbiased | 12.729 | 12.232 | -0.497 |
| 56 | 10 | LDR-Unbiased | 12.453 | 12.301 | -0.152 |
| 57 | 10 | LDR-Unbiased | 12.545 | 12.753 | 0.208 |
| 76 | 30 | LDR-Biased | 12.8 | 12.411 | -0.389 |
| 78 | 30 | LDR-Biased | 12.709 | 12.619 | -0.09 |
| 79 | 30 | LDR-Biased | 12.71 | 12.47 | -0.24 |
| 80 | 30 | LDR-Biased | 12.669 | 12.203 | -0.466 |
| 81 | 30 | LDR-Biased | 12.255 | 12.478 | 0.223 |
| 82 | 30 | LDR-Unbiased | 12.213 | 12.668 | 0.455 |
| 83 | 30 | LDR-Unbiased | 12.601 | 12.731 | 0.13 |
| 84 | 30 | LDR-Unbiased | 12.545 | 12.825 | 0.28 |
| 85 | 30 | LDR-Unbiased | 12.729 | 12.063 | -0.666 |
| 86 | 30 | LDR-Unbiased | 12.453 | 12.504 | 0.051 |
| 87 | 100 | LDR-Biased | 12.312 | 12.433 | 0.121 |
| 88 | 100 | LDR-Biased | 12.766 | 12.625 | -0.141 |
| 90 | 100 | LDR-Biased | 12.725 | 12.628 | -0.097 |
| 91 | 100 | LDR-Unbiased | 12.233 | 12.331 | 0.098 |
| 93 | 100 | LDR-Unbiased | 12.318 | 12.373 | 0.055 |
| 94 | 100 | LDR-Unbiased | 12.759 | 12.281 | -0.478 |
| 95 | 100 | LDR-Unbiased | 12.73 | 12.513 | -0.217 |
| 96 | 100 | LDR-Unbiased | 12.404 | 12.257 | -0.147 |
| 106 | 50 | LDR-Biased | 12.8 | 12.222 | -0.578 |
| 108 | 50 | LDR-Biased | 12.709 | 12.561 | -0.148 |
| 109 | 50 | LDR-Biased | 12.71 | 12.53 | -0.18 |
| 110 | 50 | LDR-Biased | 12.669 | 12.237 | -0.432 |
| 111 | 50 | LDR-Biased | 12.255 | 12.315 | 0.06 |
| 112 | 50 | LDR-Unbiased | 12.213 | 12.55 | 0.337 |
| 113 | 50 | LDR-Unbiased | 12.601 | 12.622 | 0.021 |
| 115 | 50 | LDR-Unbiased | 12.729 | 12.183 | -0.546 |
| 116 | 50 | LDR-Unbiased | 12.453 | 12.319 | -0.134 |
| 117 | 50 | LDR-Unbiased | 12.545 | 12.612 | 0.067 |

## Test Statistics (mSec)

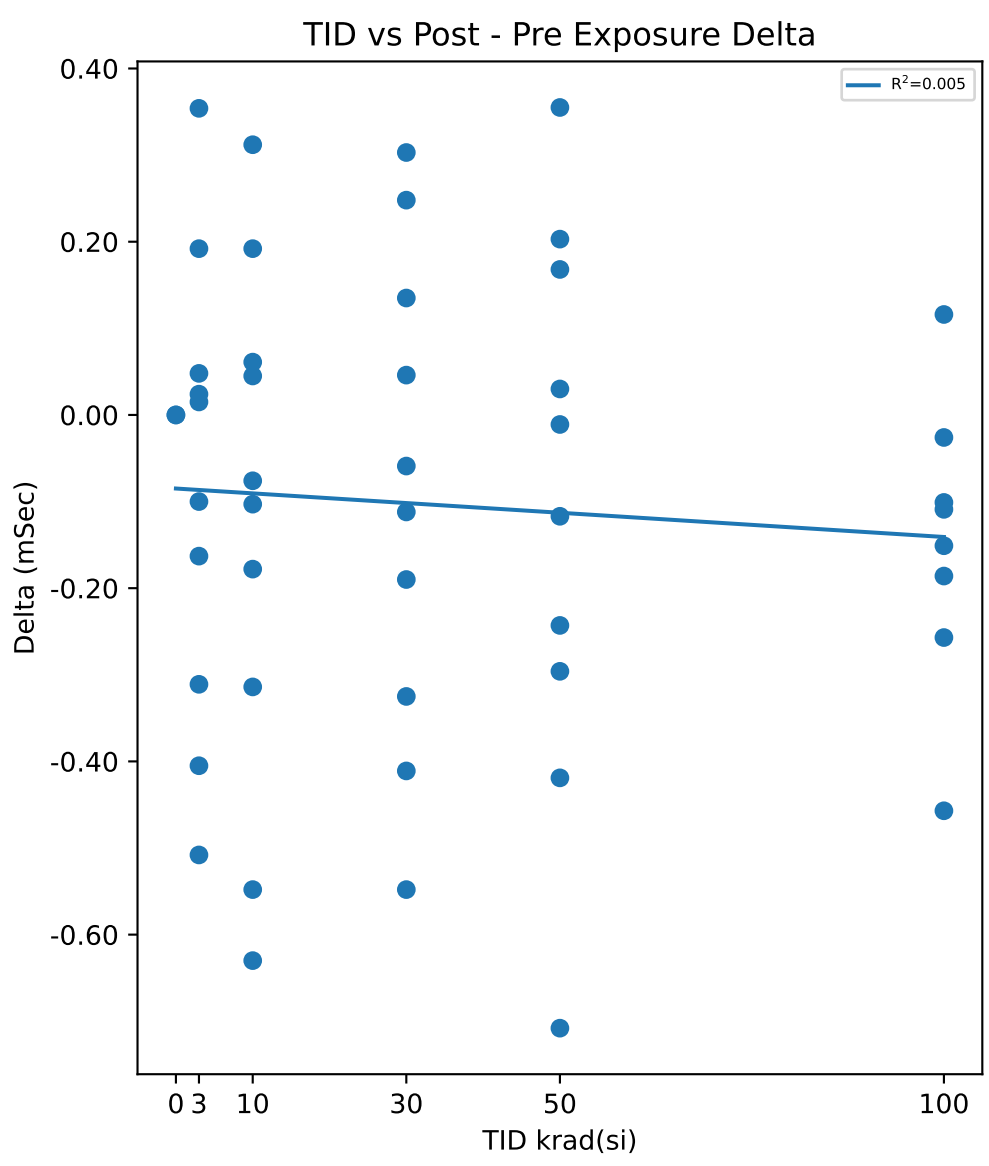
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.26 | 12.381 | 12.503 | 0.17183 | 12.26 | 12.381 | 12.503 | 0.17183 | 0 | 0 | 0 | 0 |
| 3 | 12.213 | 12.568 | 12.8 | 0.20244 | 12.085 | 12.426 | 12.731 | 0.20253 | -0.644 | -0.1427 | 0.518 | 0.34181 |
| 10 | 12.213 | 12.568 | 12.8 | 0.20244 | 12.203 | 12.465 | 12.768 | 0.22244 | -0.497 | -0.1037 | 0.325 | 0.2846 |
| 30 | 12.213 | 12.568 | 12.8 | 0.20244 | 12.063 | 12.497 | 12.825 | 0.23328 | -0.666 | -0.0712 | 0.455 | 0.36235 |
| 50 | 12.213 | 12.568 | 12.8 | 0.20244 | 12.183 | 12.415 | 12.622 | 0.17524 | -0.578 | -0.1533 | 0.337 | 0.29405 |
| 100 | 12.233 | 12.531 | 12.766 | 0.23382 | 12.257 | 12.43 | 12.628 | 0.14605 | -0.478 | -0.10075 | 0.121 | 0.19732 |

# Device Test: 5.122 tdly_Res619K_EN2_SU/EN2/7/3/619K/0/0/@DLY_TMR_500KOHM




Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

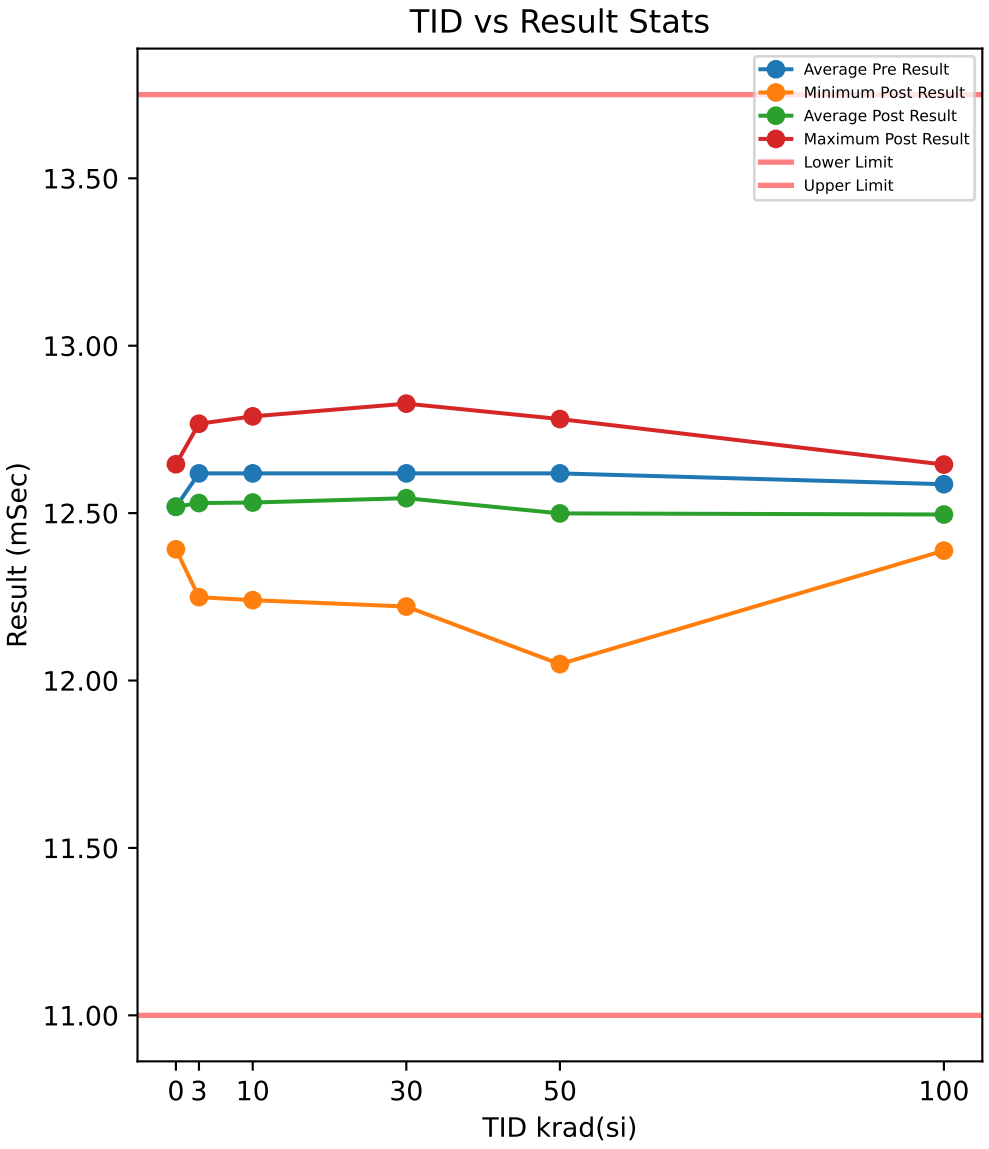
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.644 | 12.644 | 0 |
| 7 | 0 | Correlation | 12.389 | 12.389 | 0 |
| 16 | 3 | LDR-Biased | 12.792 | 12.387 | -0.405 |
| 18 | 3 | LDR-Biased | 12.743 | 12.767 | 0.024 |
| 19 | 3 | LDR-Biased | 12.742 | 12.579 | -0.163 |
| 20 | 3 | LDR-Biased | 12.672 | 12.361 | -0.311 |
| 21 | 3 | LDR-Biased | 12.308 | 12.356 | 0.048 |
| 22 | 3 | LDR-Unbiased | 12.364 | 12.718 | 0.354 |
| 23 | 3 | LDR-Unbiased | 12.764 | 12.664 | -0.1 |
| 25 | 3 | LDR-Unbiased | 12.754 | 12.246 | -0.508 |
| 26 | 3 | LDR-Unbiased | 12.439 | 12.454 | 0.015 |
| 27 | 3 | LDR-Unbiased | 12.575 | 12.767 | 0.192 |
| 46 | 10 | LDR-Biased | 12.792 | 12.244 | -0.548 |
| 48 | 10 | LDR-Biased | 12.743 | 12.788 | 0.045 |
| 49 | 10 | LDR-Biased | 12.742 | 12.564 | -0.178 |
| 50 | 10 | LDR-Biased | 12.672 | 12.358 | -0.314 |
| 51 | 10 | LDR-Biased | 12.308 | 12.369 | 0.061 |
| 52 | 10 | LDR-Unbiased | 12.364 | 12.676 | 0.312 |
| 53 | 10 | LDR-Unbiased | 12.764 | 12.688 | -0.076 |
| 55 | 10 | LDR-Unbiased | 12.754 | 12.124 | -0.63 |
| 56 | 10 | LDR-Unbiased | 12.439 | 12.336 | -0.103 |
| 57 | 10 | LDR-Unbiased | 12.575 | 12.767 | 0.192 |
| 76 | 30 | LDR-Biased | 12.792 | 12.381 | -0.411 |
| 78 | 30 | LDR-Biased | 12.743 | 12.631 | -0.112 |
| 79 | 30 | LDR-Biased | 12.742 | 12.552 | -0.19 |
| 80 | 30 | LDR-Biased | 12.672 | 12.347 | -0.325 |
| 81 | 30 | LDR-Biased | 12.308 | 12.443 | 0.135 |
| 82 | 30 | LDR-Unbiased | 12.364 | 12.667 | 0.303 |
| 83 | 30 | LDR-Unbiased | 12.764 | 12.705 | -0.059 |
| 84 | 30 | LDR-Unbiased | 12.575 | 12.823 | 0.248 |
| 85 | 30 | LDR-Unbiased | 12.754 | 12.206 | -0.548 |
| 86 | 30 | LDR-Unbiased | 12.439 | 12.485 | 0.046 |
| 87 | 100 | LDR-Biased | 12.473 | 12.447 | -0.026 |
| 88 | 100 | LDR-Biased | 12.794 | 12.643 | -0.151 |
| 90 | 100 | LDR-Biased | 12.742 | 12.641 | -0.101 |
| 91 | 100 | LDR-Unbiased | 12.369 | 12.485 | 0.116 |
| 93 | 100 | LDR-Unbiased | 12.334 | 12.225 | -0.109 |
| 94 | 100 | LDR-Unbiased | 12.787 | 12.33 | -0.457 |
| 95 | 100 | LDR-Unbiased | 12.759 | 12.502 | -0.257 |
| 96 | 100 | LDR-Unbiased | 12.576 | 12.39 | -0.186 |
| 106 | 50 | LDR-Biased | 12.792 | 12.373 | -0.419 |
| 108 | 50 | LDR-Biased | 12.743 | 12.732 | -0.011 |
| 109 | 50 | LDR-Biased | 12.742 | 12.499 | -0.243 |
| 110 | 50 | LDR-Biased | 12.672 | 12.376 | -0.296 |
| 111 | 50 | LDR-Biased | 12.308 | 12.476 | 0.168 |
| 112 | 50 | LDR-Unbiased | 12.364 | 12.719 | 0.355 |
| 113 | 50 | LDR-Unbiased | 12.764 | 12.647 | -0.117 |
| 115 | 50 | LDR-Unbiased | 12.754 | 12.046 | -0.708 |
| 116 | 50 | LDR-Unbiased | 12.439 | 12.469 | 0.03 |
| 117 | 50 | LDR-Unbiased | 12.575 | 12.778 | 0.203 |

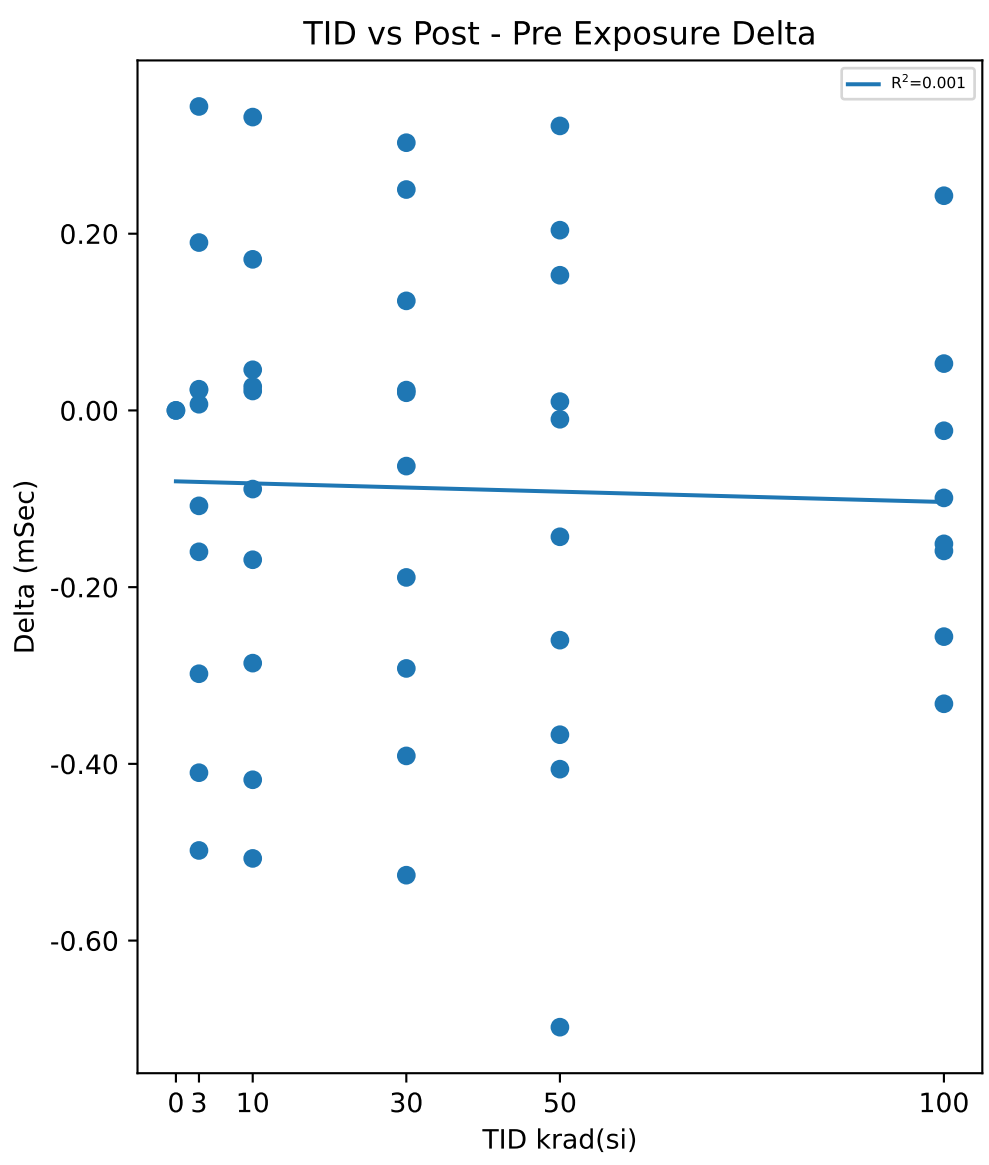



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.389 | 12.517 | 12.644 | 0.18031 | 12.389 | 12.517 | 12.644 | 0.18031 | 0 | 0 | 0 | 0 |
| 3 | 12.308 | 12.615 | 12.792 | 0.1821 | 12.246 | 12.53 | 12.767 | 0.19257 | -0.508 | -0.0854 | 0.354 | 0.26827 |
| 10 | 12.308 | 12.615 | 12.792 | 0.1821 | 12.124 | 12.491 | 12.788 | 0.23453 | -0.63 | -0.1239 | 0.312 | 0.30374 |
| 30 | 12.308 | 12.615 | 12.792 | 0.1821 | 12.206 | 12.524 | 12.823 | 0.18733 | -0.548 | -0.0913 | 0.303 | 0.28231 |
| 50 | 12.308 | 12.615 | 12.792 | 0.1821 | 12.046 | 12.511 | 12.778 | 0.22073 | -0.708 | -0.1038 | 0.355 | 0.32075 |
| 100 | 12.334 | 12.604 | 12.794 | 0.19225 | 12.225 | 12.458 | 12.643 | 0.14432 | -0.457 | -0.14638 | 0.116 | 0.1678 |

# Device Test: 5.123 tdly_Res619K_EN3_SU/EN3/7/3/619K/0/0/@DLY_TMR_500KOHM



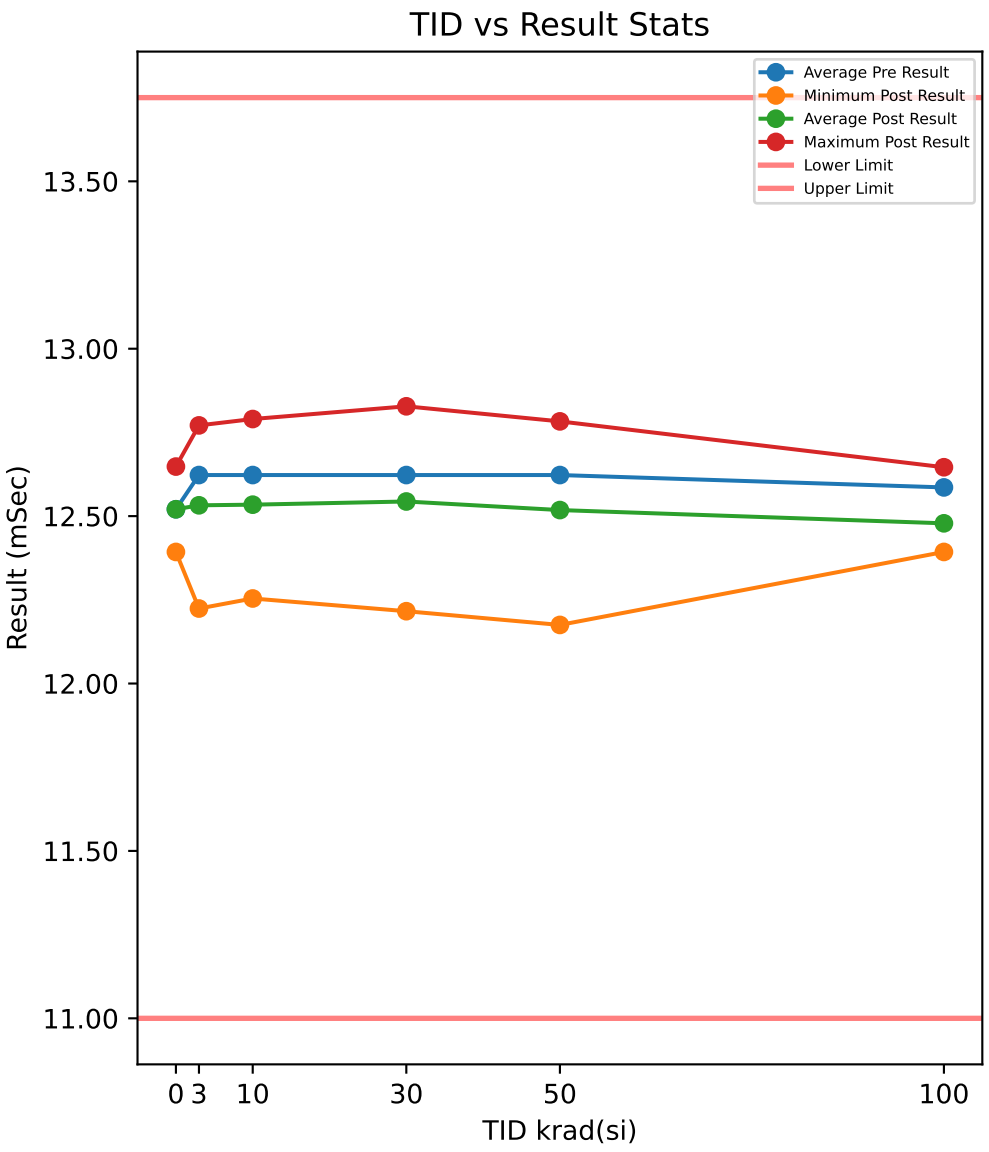

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

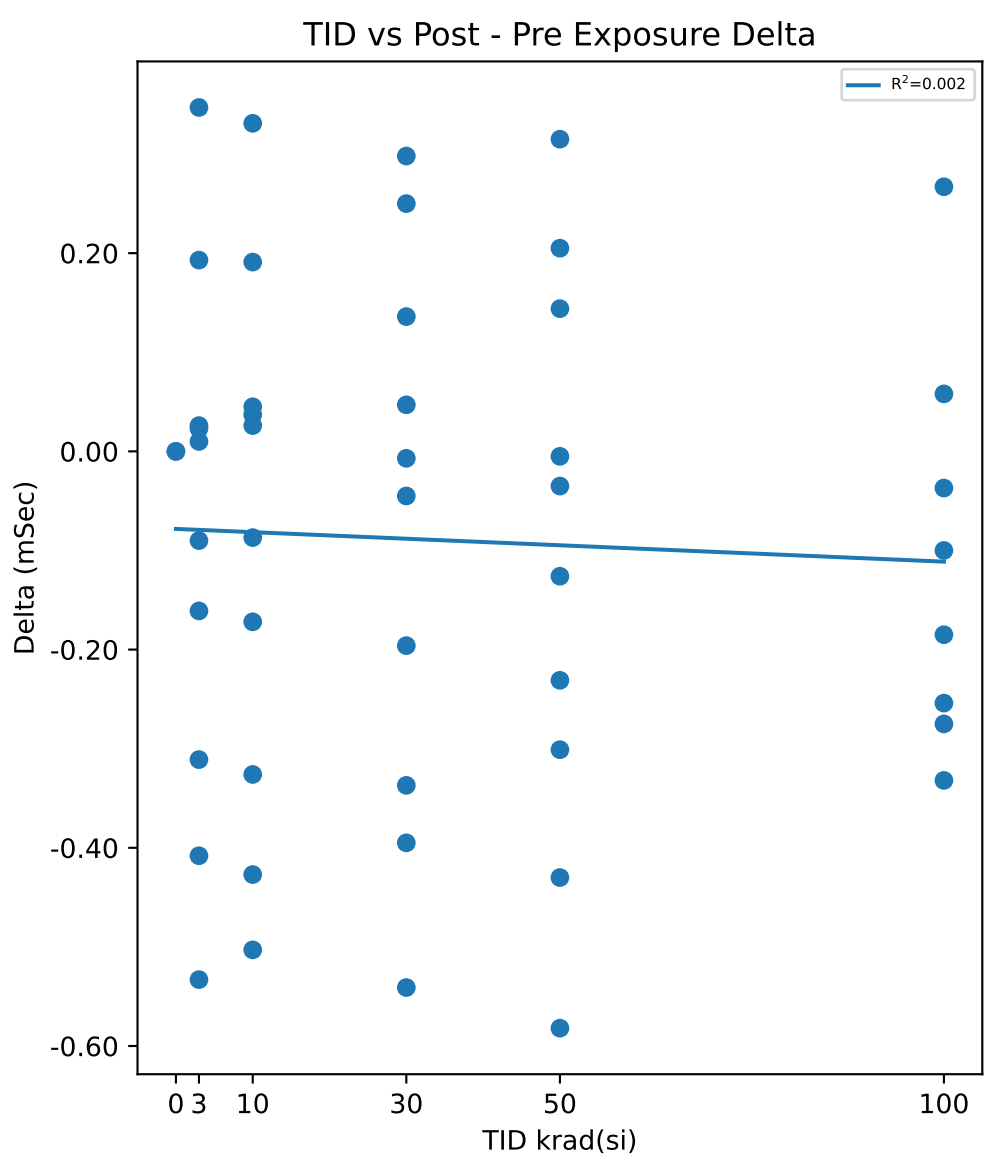
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.646 | 12.646 | 0 |
| 7 | 0 | Correlation | 12.392 | 12.392 | 0 |
| 16 | 3 | LDR-Biased | 12.793 | 12.383 | -0.41 |
| 18 | 3 | LDR-Biased | 12.743 | 12.767 | 0.024 |
| 19 | 3 | LDR-Biased | 12.743 | 12.583 | -0.16 |
| 20 | 3 | LDR-Biased | 12.661 | 12.363 | -0.298 |
| 21 | 3 | LDR-Biased | 12.334 | 12.357 | 0.023 |
| 22 | 3 | LDR-Unbiased | 12.376 | 12.72 | 0.344 |
| 23 | 3 | LDR-Unbiased | 12.766 | 12.658 | -0.108 |
| 25 | 3 | LDR-Unbiased | 12.747 | 12.249 | -0.498 |
| 26 | 3 | LDR-Unbiased | 12.447 | 12.454 | 0.007 |
| 27 | 3 | LDR-Unbiased | 12.577 | 12.767 | 0.19 |
| 46 | 10 | LDR-Biased | 12.793 | 12.375 | -0.418 |
| 48 | 10 | LDR-Biased | 12.743 | 12.789 | 0.046 |
| 49 | 10 | LDR-Biased | 12.743 | 12.574 | -0.169 |
| 50 | 10 | LDR-Biased | 12.661 | 12.375 | -0.286 |
| 51 | 10 | LDR-Biased | 12.334 | 12.356 | 0.022 |
| 52 | 10 | LDR-Unbiased | 12.376 | 12.708 | 0.332 |
| 53 | 10 | LDR-Unbiased | 12.766 | 12.677 | -0.089 |
| 55 | 10 | LDR-Unbiased | 12.747 | 12.24 | -0.507 |
| 56 | 10 | LDR-Unbiased | 12.447 | 12.474 | 0.027 |
| 57 | 10 | LDR-Unbiased | 12.577 | 12.748 | 0.171 |
| 76 | 30 | LDR-Biased | 12.793 | 12.402 | -0.391 |
| 78 | 30 | LDR-Biased | 12.743 | 12.766 | 0.023 |
| 79 | 30 | LDR-Biased | 12.743 | 12.554 | -0.189 |
| 80 | 30 | LDR-Biased | 12.661 | 12.369 | -0.292 |
| 81 | 30 | LDR-Biased | 12.334 | 12.458 | 0.124 |
| 82 | 30 | LDR-Unbiased | 12.376 | 12.679 | 0.303 |
| 83 | 30 | LDR-Unbiased | 12.766 | 12.703 | -0.063 |
| 84 | 30 | LDR-Unbiased | 12.577 | 12.827 | 0.25 |
| 85 | 30 | LDR-Unbiased | 12.747 | 12.221 | -0.526 |
| 86 | 30 | LDR-Unbiased | 12.447 | 12.467 | 0.02 |
| 87 | 100 | LDR-Biased | 12.472 | 12.449 | -0.023 |
| 88 | 100 | LDR-Biased | 12.794 | 12.643 | -0.151 |
| 90 | 100 | LDR-Biased | 12.744 | 12.645 | -0.099 |
| 91 | 100 | LDR-Unbiased | 12.243 | 12.486 | 0.243 |
| 93 | 100 | LDR-Unbiased | 12.335 | 12.388 | 0.053 |
| 94 | 100 | LDR-Unbiased | 12.791 | 12.459 | -0.332 |
| 95 | 100 | LDR-Unbiased | 12.763 | 12.507 | -0.256 |
| 96 | 100 | LDR-Unbiased | 12.549 | 12.39 | -0.159 |
| 106 | 50 | LDR-Biased | 12.793 | 12.387 | -0.406 |
| 108 | 50 | LDR-Biased | 12.743 | 12.733 | -0.01 |
| 109 | 50 | LDR-Biased | 12.743 | 12.376 | -0.367 |
| 110 | 50 | LDR-Biased | 12.661 | 12.401 | -0.26 |
| 111 | 50 | LDR-Biased | 12.334 | 12.487 | 0.153 |
| 112 | 50 | LDR-Unbiased | 12.376 | 12.698 | 0.322 |
| 113 | 50 | LDR-Unbiased | 12.766 | 12.623 | -0.143 |
| 115 | 50 | LDR-Unbiased | 12.747 | 12.049 | -0.698 |
| 116 | 50 | LDR-Unbiased | 12.447 | 12.457 | 0.01 |
| 117 | 50 | LDR-Unbiased | 12.577 | 12.781 | 0.204 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.392 | 12.519 | 12.646 | 0.17961 | 12.392 | 12.519 | 12.646 | 0.17961 | 0 | 0 | 0 | 0 |
| 3 | 12.334 | 12.619 | 12.793 | 0.17398 | 12.249 | 12.53 | 12.767 | 0.19201 | -0.498 | -0.0886 | 0.344 | 0.26231 |
| 10 | 12.334 | 12.619 | 12.793 | 0.17398 | 12.24 | 12.532 | 12.789 | 0.19304 | -0.507 | -0.0871 | 0.332 | 0.26183 |
| 30 | 12.334 | 12.619 | 12.793 | 0.17398 | 12.221 | 12.545 | 12.827 | 0.19477 | -0.526 | -0.0741 | 0.303 | 0.27289 |
| 50 | 12.334 | 12.619 | 12.793 | 0.17398 | 12.049 | 12.499 | 12.781 | 0.21882 | -0.698 | -0.1195 | 0.322 | 0.31638 |
| 100 | 12.243 | 12.586 | 12.794 | 0.21928 | 12.388 | 12.496 | 12.645 | 0.10036 | -0.332 | -0.0905 | 0.243 | 0.18147 |

# Device Test: 5.124 tdly_Res619K_EN4_SU/EN4/7/3/619K/0/0/@DLY_TMR_500KOHM



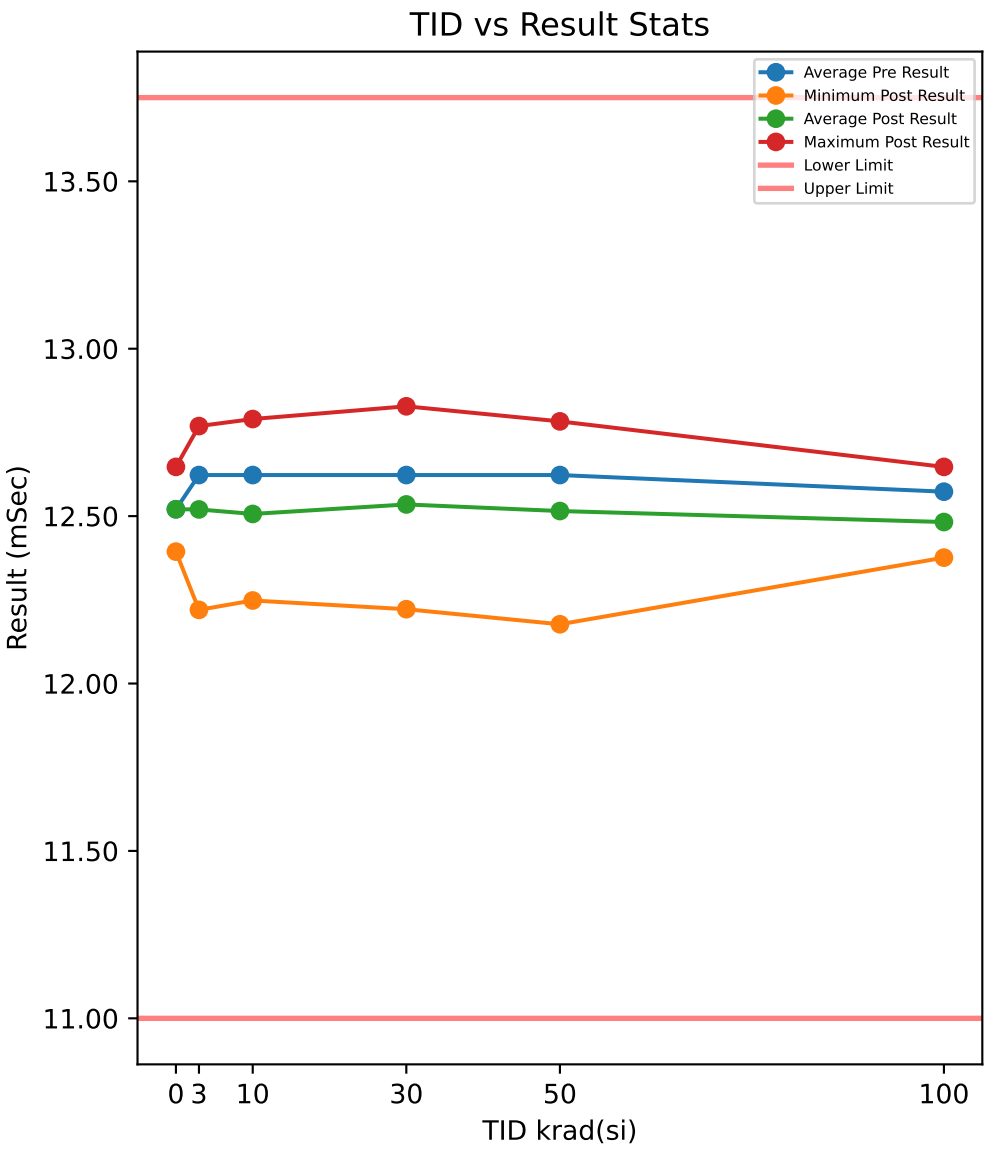

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

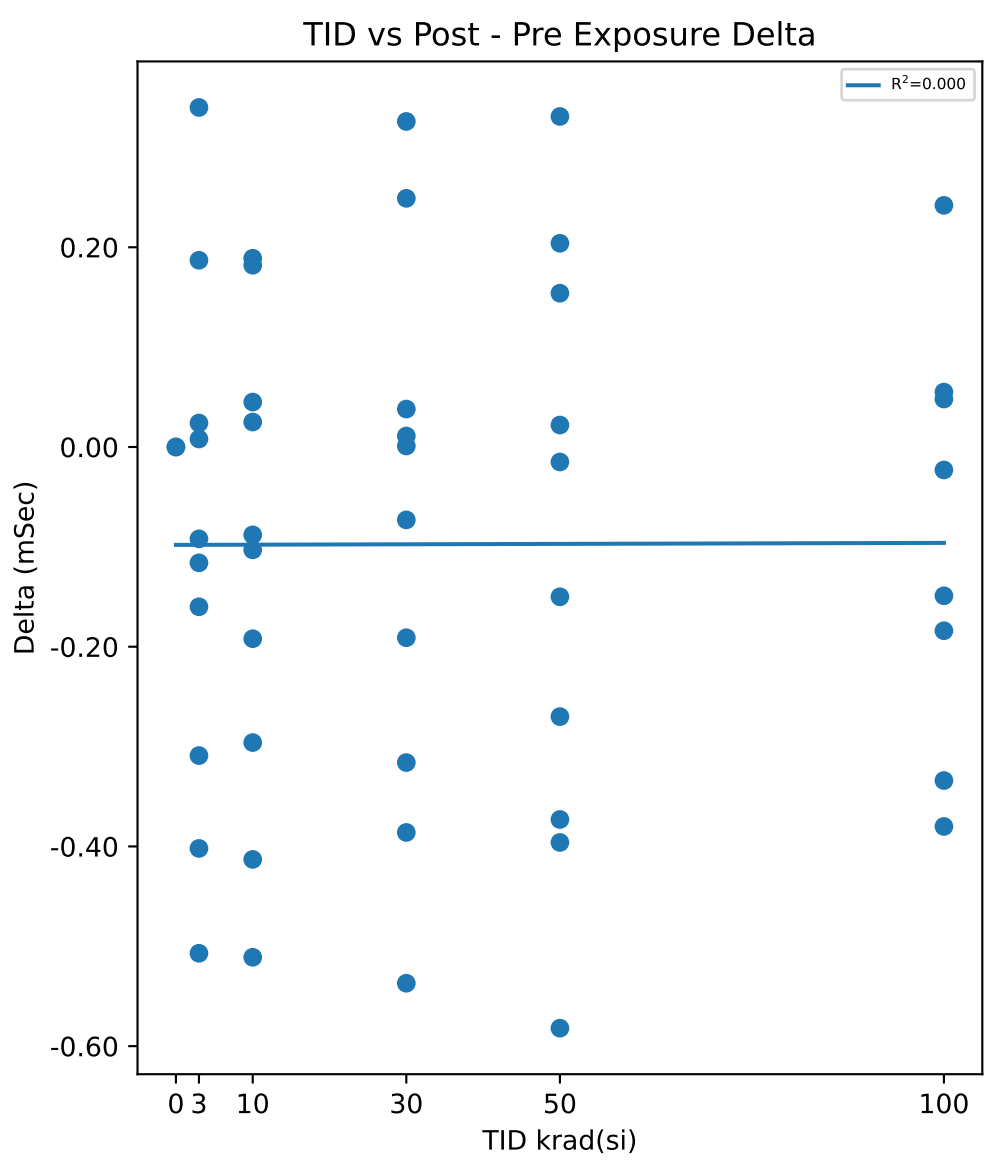
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.648 | 12.648 | 0 |
| 7 | 0 | Correlation | 12.393 | 12.393 | 0 |
| 16 | 3 | LDR-Biased | 12.795 | 12.387 | -0.408 |
| 18 | 3 | LDR-Biased | 12.745 | 12.771 | 0.026 |
| 19 | 3 | LDR-Biased | 12.746 | 12.585 | -0.161 |
| 20 | 3 | LDR-Biased | 12.675 | 12.364 | -0.311 |
| 21 | 3 | LDR-Biased | 12.337 | 12.36 | 0.023 |
| 22 | 3 | LDR-Unbiased | 12.376 | 12.723 | 0.347 |
| 23 | 3 | LDR-Unbiased | 12.771 | 12.681 | -0.09 |
| 25 | 3 | LDR-Unbiased | 12.757 | 12.224 | -0.533 |
| 26 | 3 | LDR-Unbiased | 12.447 | 12.457 | 0.01 |
| 27 | 3 | LDR-Unbiased | 12.578 | 12.771 | 0.193 |
| 46 | 10 | LDR-Biased | 12.795 | 12.368 | -0.427 |
| 48 | 10 | LDR-Biased | 12.745 | 12.79 | 0.045 |
| 49 | 10 | LDR-Biased | 12.746 | 12.574 | -0.172 |
| 50 | 10 | LDR-Biased | 12.675 | 12.349 | -0.326 |
| 51 | 10 | LDR-Biased | 12.337 | 12.374 | 0.037 |
| 52 | 10 | LDR-Unbiased | 12.376 | 12.707 | 0.331 |
| 53 | 10 | LDR-Unbiased | 12.771 | 12.684 | -0.087 |
| 55 | 10 | LDR-Unbiased | 12.757 | 12.254 | -0.503 |
| 56 | 10 | LDR-Unbiased | 12.447 | 12.473 | 0.026 |
| 57 | 10 | LDR-Unbiased | 12.578 | 12.769 | 0.191 |
| 76 | 30 | LDR-Biased | 12.795 | 12.4 | -0.395 |
| 78 | 30 | LDR-Biased | 12.745 | 12.738 | -0.007 |
| 79 | 30 | LDR-Biased | 12.746 | 12.55 | -0.196 |
| 80 | 30 | LDR-Biased | 12.675 | 12.338 | -0.337 |
| 81 | 30 | LDR-Biased | 12.337 | 12.473 | 0.136 |
| 82 | 30 | LDR-Unbiased | 12.376 | 12.674 | 0.298 |
| 83 | 30 | LDR-Unbiased | 12.771 | 12.726 | -0.045 |
| 84 | 30 | LDR-Unbiased | 12.578 | 12.828 | 0.25 |
| 85 | 30 | LDR-Unbiased | 12.757 | 12.216 | -0.541 |
| 86 | 30 | LDR-Unbiased | 12.447 | 12.494 | 0.047 |
| 87 | 100 | LDR-Biased | 12.475 | 12.438 | -0.037 |
| 88 | 100 | LDR-Biased | 12.774 | 12.499 | -0.275 |
| 90 | 100 | LDR-Biased | 12.746 | 12.646 | -0.1 |
| 91 | 100 | LDR-Unbiased | 12.22 | 12.487 | 0.267 |
| 93 | 100 | LDR-Unbiased | 12.337 | 12.395 | 0.058 |
| 94 | 100 | LDR-Unbiased | 12.794 | 12.462 | -0.332 |
| 95 | 100 | LDR-Unbiased | 12.762 | 12.508 | -0.254 |
| 96 | 100 | LDR-Unbiased | 12.578 | 12.393 | -0.185 |
| 106 | 50 | LDR-Biased | 12.795 | 12.365 | -0.43 |
| 108 | 50 | LDR-Biased | 12.745 | 12.71 | -0.035 |
| 109 | 50 | LDR-Biased | 12.746 | 12.515 | -0.231 |
| 110 | 50 | LDR-Biased | 12.675 | 12.374 | -0.301 |
| 111 | 50 | LDR-Biased | 12.337 | 12.481 | 0.144 |
| 112 | 50 | LDR-Unbiased | 12.376 | 12.691 | 0.315 |
| 113 | 50 | LDR-Unbiased | 12.771 | 12.645 | -0.126 |
| 115 | 50 | LDR-Unbiased | 12.757 | 12.175 | -0.582 |
| 116 | 50 | LDR-Unbiased | 12.447 | 12.442 | -0.005 |
| 117 | 50 | LDR-Unbiased | 12.578 | 12.783 | 0.205 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.393 | 12.521 | 12.648 | 0.18031 | 12.393 | 12.521 | 12.648 | 0.18031 | 0 | 0 | 0 | 0 |
| 3 | 12.337 | 12.623 | 12.795 | 0.17574 | 12.224 | 12.532 | 12.771 | 0.19862 | -0.533 | -0.0904 | 0.347 | 0.2705 |
| 10 | 12.337 | 12.623 | 12.795 | 0.17574 | 12.254 | 12.534 | 12.79 | 0.19559 | -0.503 | -0.0885 | 0.331 | 0.26886 |
| 30 | 12.337 | 12.623 | 12.795 | 0.17574 | 12.216 | 12.544 | 12.828 | 0.19626 | -0.541 | -0.079 | 0.298 | 0.28134 |
| 50 | 12.337 | 12.623 | 12.795 | 0.17574 | 12.175 | 12.518 | 12.783 | 0.18918 | -0.582 | -0.1046 | 0.315 | 0.28622 |
| 100 | 12.22 | 12.586 | 12.794 | 0.22153 | 12.393 | 12.479 | 12.646 | 0.080724 | -0.332 | -0.10725 | 0.267 | 0.1995 |

# Device Test: 5.125 tdly_Res619K_SEQ_SU/SEQ_DONE/7/3/619K/0/0/@DLY_TMR_500KOHM



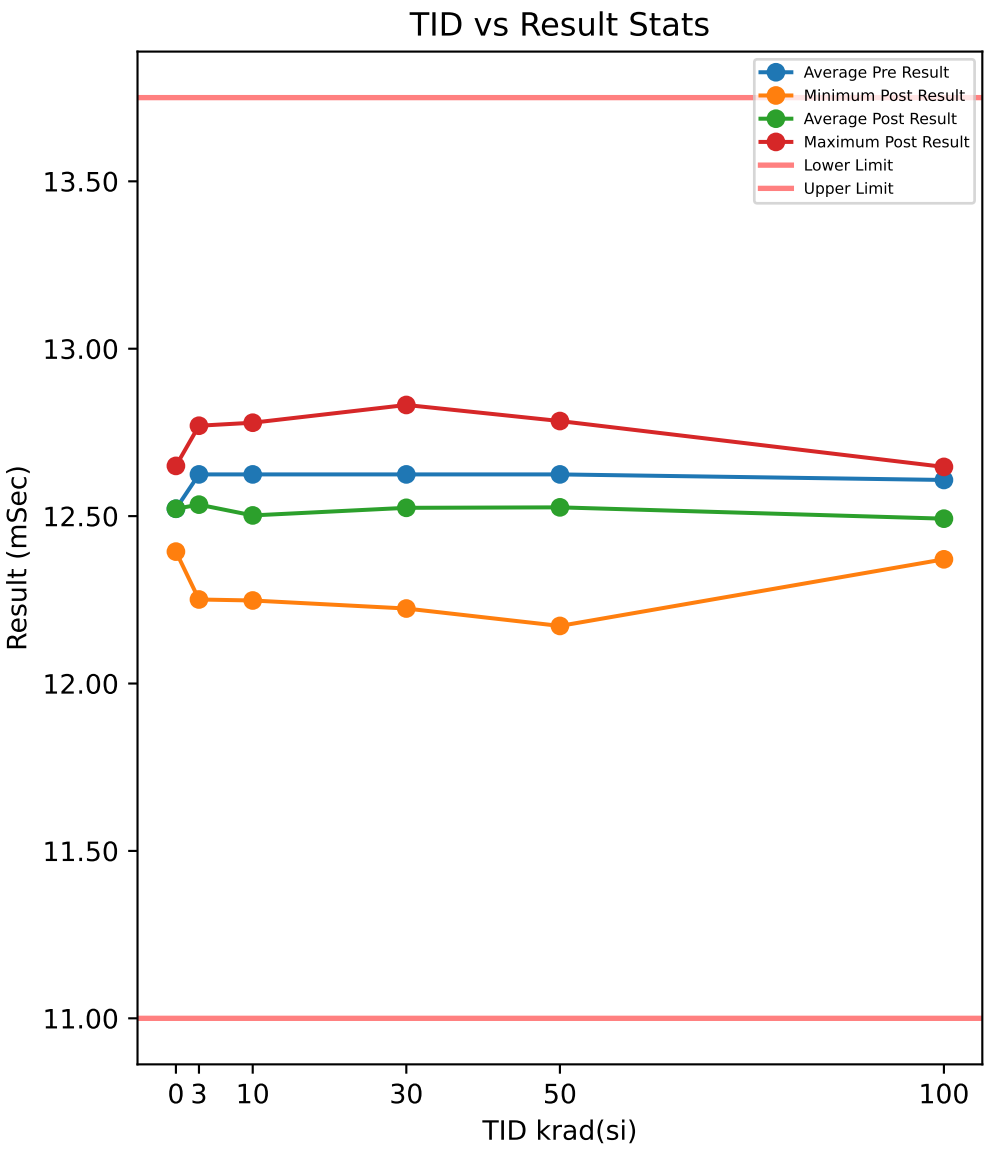

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

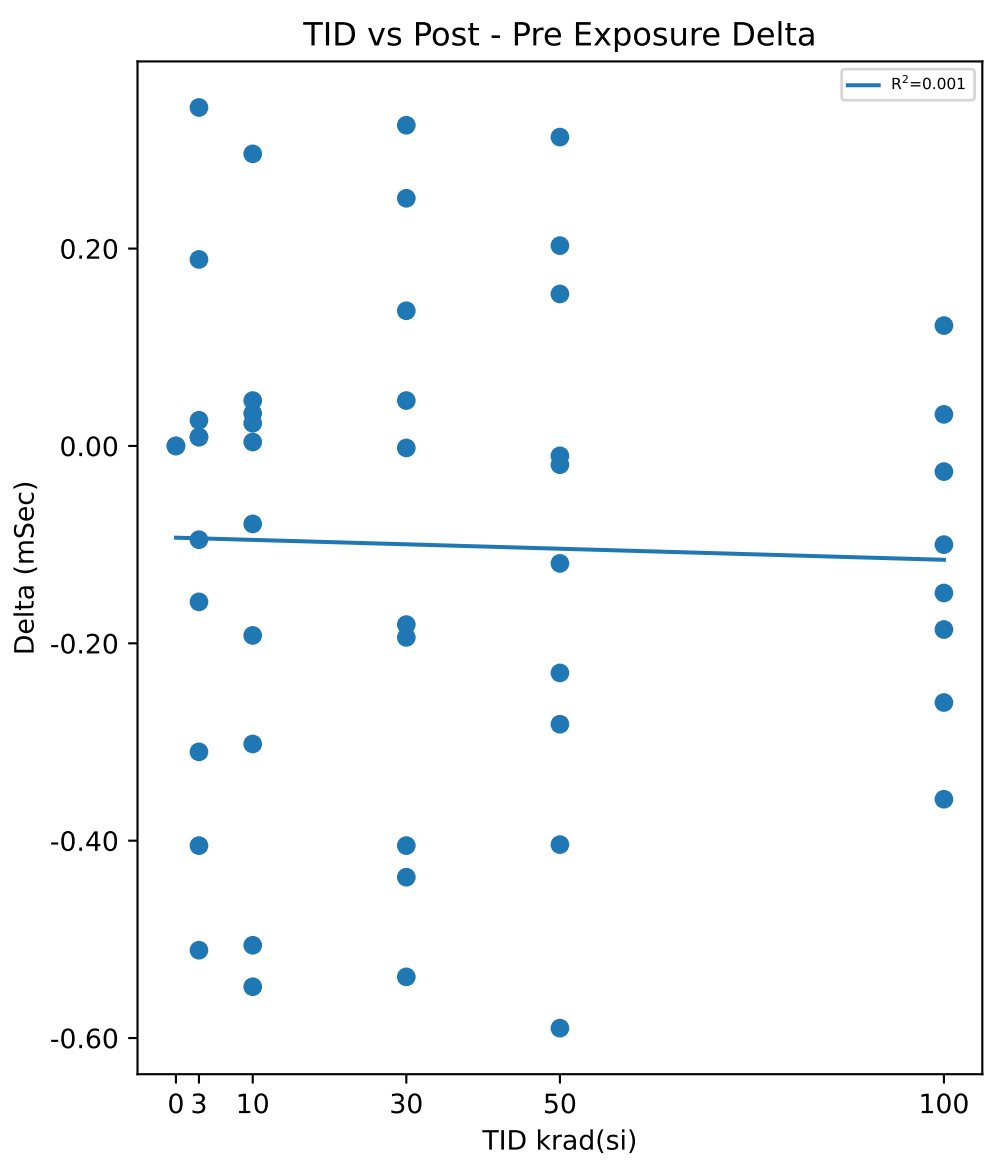
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.647 | 12.647 | 0 |
| 7 | 0 | Correlation | 12.394 | 12.394 | 0 |
| 16 | 3 | LDR-Biased | 12.79 | 12.388 | -0.402 |
| 18 | 3 | LDR-Biased | 12.745 | 12.769 | 0.024 |
| 19 | 3 | LDR-Biased | 12.746 | 12.586 | -0.16 |
| 20 | 3 | LDR-Biased | 12.674 | 12.365 | -0.309 |
| 21 | 3 | LDR-Biased | 12.336 | 12.22 | -0.116 |
| 22 | 3 | LDR-Unbiased | 12.378 | 12.718 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.771 | 12.679 | -0.092 |
| 25 | 3 | LDR-Unbiased | 12.759 | 12.252 | -0.507 |
| 26 | 3 | LDR-Unbiased | 12.449 | 12.457 | 0.008 |
| 27 | 3 | LDR-Unbiased | 12.579 | 12.766 | 0.187 |
| 46 | 10 | LDR-Biased | 12.79 | 12.377 | -0.413 |
| 48 | 10 | LDR-Biased | 12.745 | 12.79 | 0.045 |
| 49 | 10 | LDR-Biased | 12.746 | 12.554 | -0.192 |
| 50 | 10 | LDR-Biased | 12.674 | 12.378 | -0.296 |
| 51 | 10 | LDR-Biased | 12.336 | 12.248 | -0.088 |
| 52 | 10 | LDR-Unbiased | 12.378 | 12.567 | 0.189 |
| 53 | 10 | LDR-Unbiased | 12.771 | 12.668 | -0.103 |
| 55 | 10 | LDR-Unbiased | 12.759 | 12.248 | -0.511 |
| 56 | 10 | LDR-Unbiased | 12.449 | 12.474 | 0.025 |
| 57 | 10 | LDR-Unbiased | 12.579 | 12.761 | 0.182 |
| 76 | 30 | LDR-Biased | 12.79 | 12.404 | -0.386 |
| 78 | 30 | LDR-Biased | 12.745 | 12.756 | 0.011 |
| 79 | 30 | LDR-Biased | 12.746 | 12.555 | -0.191 |
| 80 | 30 | LDR-Biased | 12.674 | 12.358 | -0.316 |
| 81 | 30 | LDR-Biased | 12.336 | 12.337 | 0.001 |
| 82 | 30 | LDR-Unbiased | 12.378 | 12.704 | 0.326 |
| 83 | 30 | LDR-Unbiased | 12.771 | 12.698 | -0.073 |
| 84 | 30 | LDR-Unbiased | 12.579 | 12.828 | 0.249 |
| 85 | 30 | LDR-Unbiased | 12.759 | 12.222 | -0.537 |
| 86 | 30 | LDR-Unbiased | 12.449 | 12.487 | 0.038 |
| 87 | 100 | LDR-Biased | 12.475 | 12.452 | -0.023 |
| 88 | 100 | LDR-Biased | 12.796 | 12.647 | -0.149 |
| 90 | 100 | LDR-Biased | 12.598 | 12.646 | 0.048 |
| 91 | 100 | LDR-Unbiased | 12.246 | 12.488 | 0.242 |
| 93 | 100 | LDR-Unbiased | 12.339 | 12.394 | 0.055 |
| 94 | 100 | LDR-Unbiased | 12.796 | 12.462 | -0.334 |
| 95 | 100 | LDR-Unbiased | 12.756 | 12.376 | -0.38 |
| 96 | 100 | LDR-Unbiased | 12.578 | 12.394 | -0.184 |
| 106 | 50 | LDR-Biased | 12.79 | 12.394 | -0.396 |
| 108 | 50 | LDR-Biased | 12.745 | 12.73 | -0.015 |
| 109 | 50 | LDR-Biased | 12.746 | 12.373 | -0.373 |
| 110 | 50 | LDR-Biased | 12.674 | 12.404 | -0.27 |
| 111 | 50 | LDR-Biased | 12.336 | 12.49 | 0.154 |
| 112 | 50 | LDR-Unbiased | 12.378 | 12.709 | 0.331 |
| 113 | 50 | LDR-Unbiased | 12.771 | 12.621 | -0.15 |
| 115 | 50 | LDR-Unbiased | 12.759 | 12.177 | -0.582 |
| 116 | 50 | LDR-Unbiased | 12.449 | 12.471 | 0.022 |
| 117 | 50 | LDR-Unbiased | 12.579 | 12.783 | 0.204 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.394 | 12.521 | 12.647 | 0.1789 | 12.394 | 12.521 | 12.647 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.336 | 12.623 | 12.79 | 0.17496 | 12.22 | 12.52 | 12.769 | 0.21045 | -0.507 | -0.1027 | 0.34 | 0.25978 |
| 10 | 12.336 | 12.623 | 12.79 | 0.17496 | 12.248 | 12.506 | 12.79 | 0.19582 | -0.511 | -0.1162 | 0.189 | 0.23828 |
| 30 | 12.336 | 12.623 | 12.79 | 0.17496 | 12.222 | 12.535 | 12.828 | 0.20499 | -0.537 | -0.0878 | 0.326 | 0.27321 |
| 50 | 12.336 | 12.623 | 12.79 | 0.17496 | 12.177 | 12.515 | 12.783 | 0.19173 | -0.582 | -0.1075 | 0.331 | 0.29629 |
| 100 | 12.246 | 12.573 | 12.796 | 0.2087 | 12.376 | 12.482 | 12.647 | 0.10835 | -0.38 | -0.090625 | 0.242 | 0.21069 |

# Device Test: 5.126 tdly_Res619K_PWRGD_SU/PWRGD/7/3/619K/0/0/@DLY_TMR_500KOHM



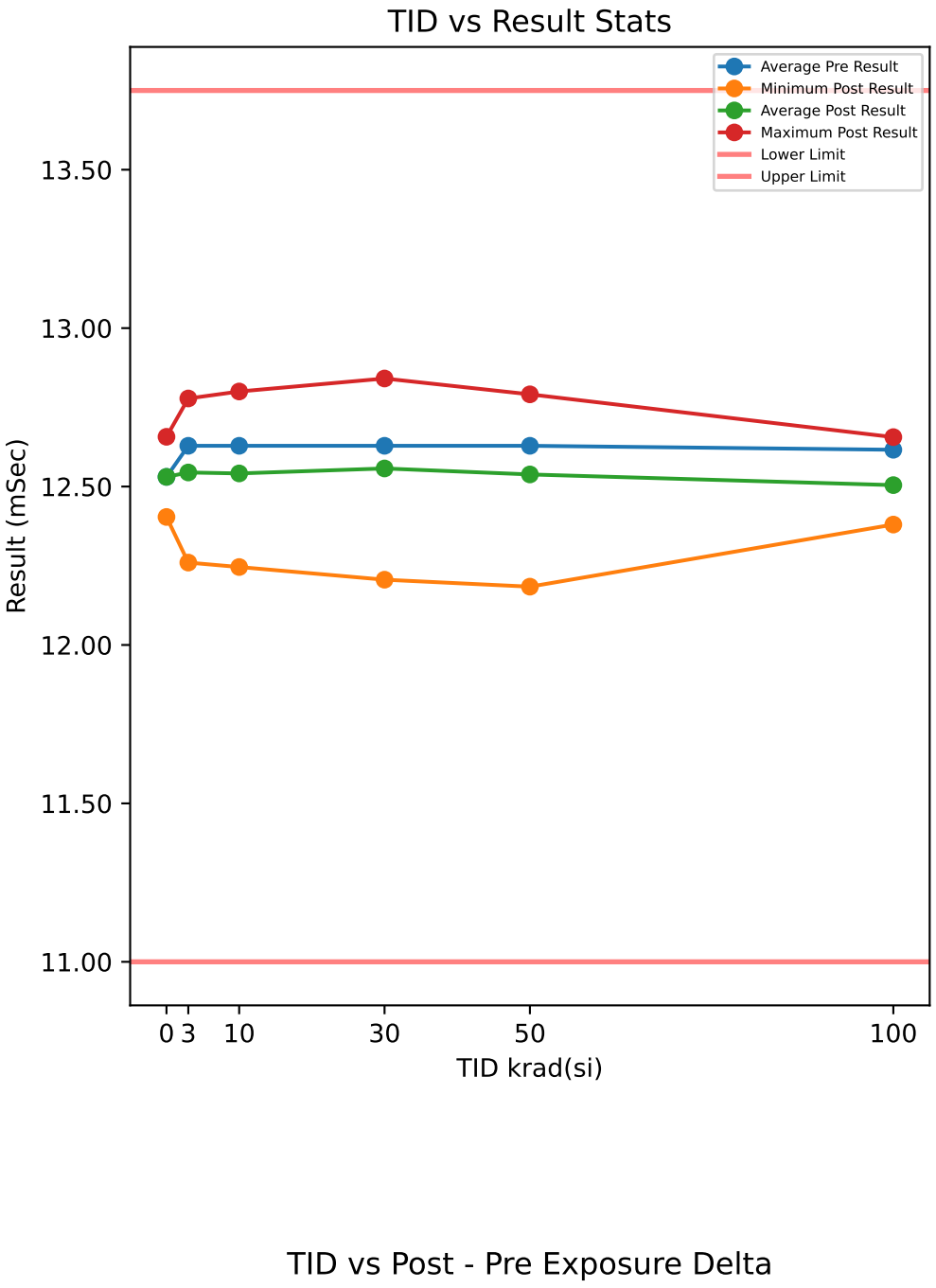

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

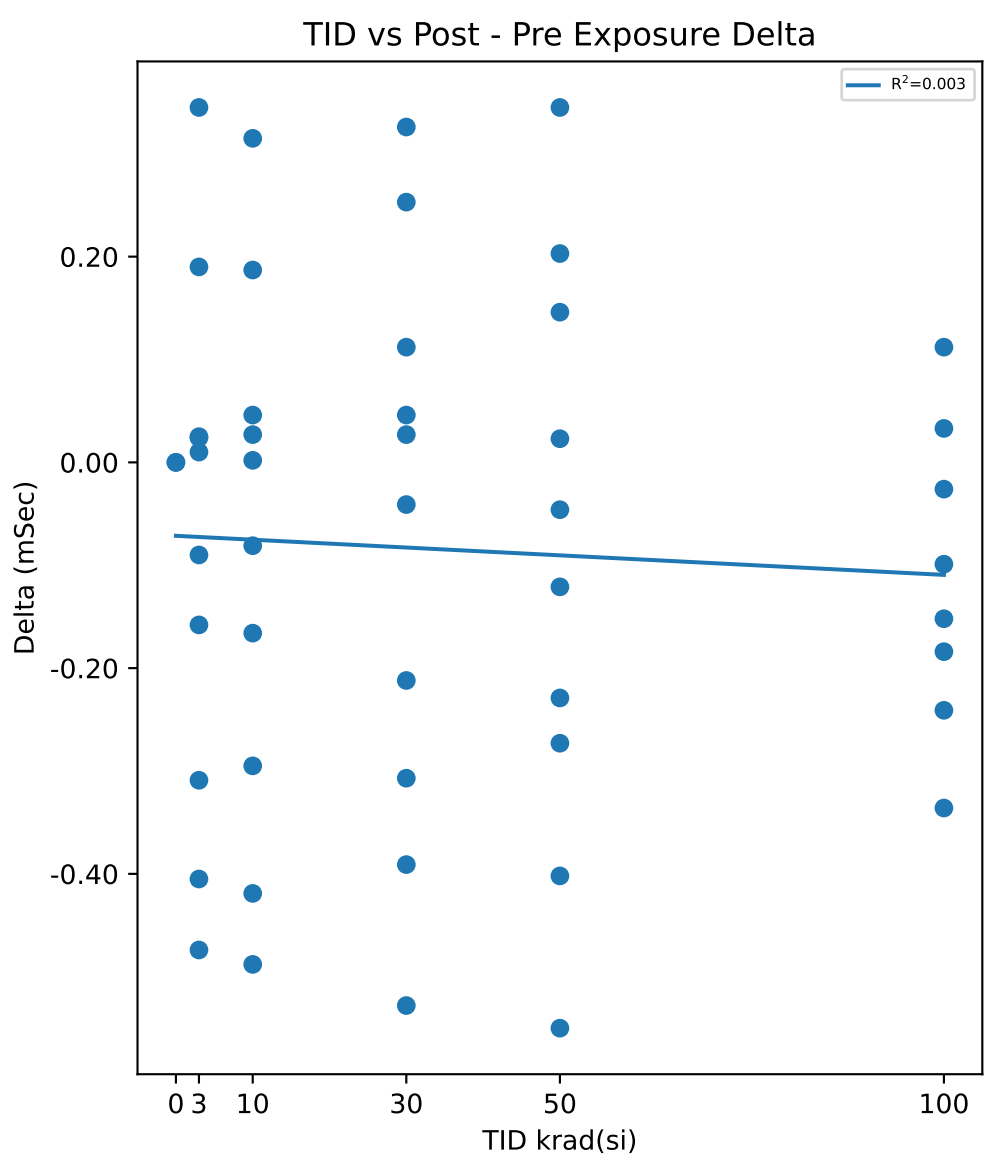
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.65 | 12.65 | 0 |
| 7 | 0 | Correlation | 12.394 | 12.394 | 0 |
| 16 | 3 | LDR-Biased | 12.796 | 12.391 | -0.405 |
| 18 | 3 | LDR-Biased | 12.746 | 12.755 | 0.009 |
| 19 | 3 | LDR-Biased | 12.746 | 12.588 | -0.158 |
| 20 | 3 | LDR-Biased | 12.676 | 12.366 | -0.31 |
| 21 | 3 | LDR-Biased | 12.338 | 12.364 | 0.026 |
| 22 | 3 | LDR-Unbiased | 12.379 | 12.722 | 0.343 |
| 23 | 3 | LDR-Unbiased | 12.773 | 12.678 | -0.095 |
| 25 | 3 | LDR-Unbiased | 12.762 | 12.251 | -0.511 |
| 26 | 3 | LDR-Unbiased | 12.449 | 12.458 | 0.009 |
| 27 | 3 | LDR-Unbiased | 12.581 | 12.77 | 0.189 |
| 46 | 10 | LDR-Biased | 12.796 | 12.248 | -0.548 |
| 48 | 10 | LDR-Biased | 12.746 | 12.779 | 0.033 |
| 49 | 10 | LDR-Biased | 12.746 | 12.554 | -0.192 |
| 50 | 10 | LDR-Biased | 12.676 | 12.374 | -0.302 |
| 51 | 10 | LDR-Biased | 12.338 | 12.361 | 0.023 |
| 52 | 10 | LDR-Unbiased | 12.379 | 12.675 | 0.296 |
| 53 | 10 | LDR-Unbiased | 12.773 | 12.694 | -0.079 |
| 55 | 10 | LDR-Unbiased | 12.762 | 12.256 | -0.506 |
| 56 | 10 | LDR-Unbiased | 12.449 | 12.453 | 0.004 |
| 57 | 10 | LDR-Unbiased | 12.581 | 12.627 | 0.046 |
| 76 | 30 | LDR-Biased | 12.796 | 12.391 | -0.405 |
| 78 | 30 | LDR-Biased | 12.746 | 12.744 | -0.002 |
| 79 | 30 | LDR-Biased | 12.746 | 12.552 | -0.194 |
| 80 | 30 | LDR-Biased | 12.676 | 12.239 | -0.437 |
| 81 | 30 | LDR-Biased | 12.338 | 12.475 | 0.137 |
| 82 | 30 | LDR-Unbiased | 12.379 | 12.704 | 0.325 |
| 83 | 30 | LDR-Unbiased | 12.773 | 12.592 | -0.181 |
| 84 | 30 | LDR-Unbiased | 12.581 | 12.832 | 0.251 |
| 85 | 30 | LDR-Unbiased | 12.762 | 12.224 | -0.538 |
| 86 | 30 | LDR-Unbiased | 12.449 | 12.495 | 0.046 |
| 87 | 100 | LDR-Biased | 12.477 | 12.451 | -0.026 |
| 88 | 100 | LDR-Biased | 12.796 | 12.647 | -0.149 |
| 90 | 100 | LDR-Biased | 12.747 | 12.647 | -0.1 |
| 91 | 100 | LDR-Unbiased | 12.367 | 12.489 | 0.122 |
| 93 | 100 | LDR-Unbiased | 12.339 | 12.371 | 0.032 |
| 94 | 100 | LDR-Unbiased | 12.795 | 12.437 | -0.358 |
| 95 | 100 | LDR-Unbiased | 12.764 | 12.504 | -0.26 |
| 96 | 100 | LDR-Unbiased | 12.579 | 12.393 | -0.186 |
| 106 | 50 | LDR-Biased | 12.796 | 12.392 | -0.404 |
| 108 | 50 | LDR-Biased | 12.746 | 12.727 | -0.019 |
| 109 | 50 | LDR-Biased | 12.746 | 12.516 | -0.23 |
| 110 | 50 | LDR-Biased | 12.676 | 12.394 | -0.282 |
| 111 | 50 | LDR-Biased | 12.338 | 12.492 | 0.154 |
| 112 | 50 | LDR-Unbiased | 12.379 | 12.692 | 0.313 |
| 113 | 50 | LDR-Unbiased | 12.773 | 12.654 | -0.119 |
| 115 | 50 | LDR-Unbiased | 12.762 | 12.172 | -0.59 |
| 116 | 50 | LDR-Unbiased | 12.449 | 12.439 | -0.01 |
| 117 | 50 | LDR-Unbiased | 12.581 | 12.784 | 0.203 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.394 | 12.522 | 12.65 | 0.18102 | 12.394 | 12.522 | 12.65 | 0.18102 | 0 | 0 | 0 | 0 |
| 3 | 12.338 | 12.625 | 12.796 | 0.17562 | 12.251 | 12.534 | 12.77 | 0.1906 | -0.511 | -0.0903 | 0.343 | 0.26413 |
| 10 | 12.338 | 12.625 | 12.796 | 0.17562 | 12.248 | 12.502 | 12.779 | 0.19019 | -0.548 | -0.1225 | 0.296 | 0.26498 |
| 30 | 12.338 | 12.625 | 12.796 | 0.17562 | 12.224 | 12.525 | 12.832 | 0.20364 | -0.538 | -0.0998 | 0.325 | 0.29903 |
| 50 | 12.338 | 12.625 | 12.796 | 0.17562 | 12.172 | 12.526 | 12.784 | 0.18869 | -0.59 | -0.0984 | 0.313 | 0.28371 |
| 100 | 12.339 | 12.608 | 12.796 | 0.19362 | 12.371 | 12.492 | 12.647 | 0.10512 | -0.358 | -0.11562 | 0.122 | 0.15684 |

# Device Test: 5.127 tdly_Res619K_EN1_SD/EN1/7/3/619K/0/0/@DLY_TMR_500KOHM



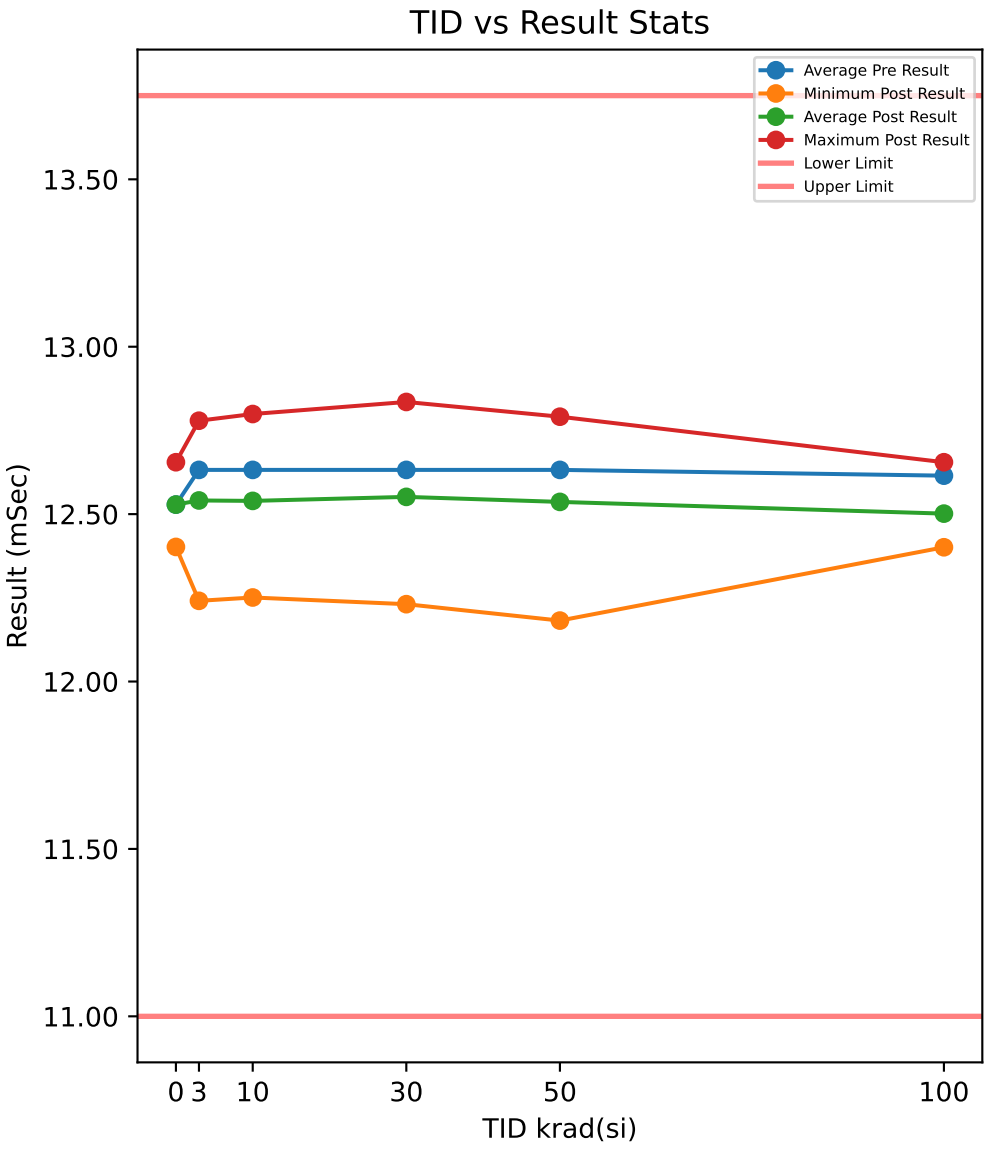

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.657 | 12.657 | 0 |
| 7 | 0 | Correlation | 12.404 | 12.404 | 0 |
| 16 | 3 | LDR-Biased | 12.804 | 12.399 | -0.405 |
| 18 | 3 | LDR-Biased | 12.754 | 12.778 | 0.024 |
| 19 | 3 | LDR-Biased | 12.753 | 12.595 | -0.158 |
| 20 | 3 | LDR-Biased | 12.684 | 12.375 | -0.309 |
| 21 | 3 | LDR-Biased | 12.345 | 12.37 | 0.025 |
| 22 | 3 | LDR-Unbiased | 12.386 | 12.731 | 0.345 |
| 23 | 3 | LDR-Unbiased | 12.782 | 12.692 | -0.09 |
| 25 | 3 | LDR-Unbiased | 12.734 | 12.26 | -0.474 |
| 26 | 3 | LDR-Unbiased | 12.456 | 12.466 | 0.01 |
| 27 | 3 | LDR-Unbiased | 12.588 | 12.778 | 0.19 |
| 46 | 10 | LDR-Biased | 12.804 | 12.385 | -0.419 |
| 48 | 10 | LDR-Biased | 12.754 | 12.8 | 0.046 |
| 49 | 10 | LDR-Biased | 12.753 | 12.587 | -0.166 |
| 50 | 10 | LDR-Biased | 12.684 | 12.389 | -0.295 |
| 51 | 10 | LDR-Biased | 12.345 | 12.372 | 0.027 |
| 52 | 10 | LDR-Unbiased | 12.386 | 12.701 | 0.315 |
| 53 | 10 | LDR-Unbiased | 12.782 | 12.701 | -0.081 |
| 55 | 10 | LDR-Unbiased | 12.734 | 12.246 | -0.488 |
| 56 | 10 | LDR-Unbiased | 12.456 | 12.458 | 0.002 |
| 57 | 10 | LDR-Unbiased | 12.588 | 12.775 | 0.187 |
| 76 | 30 | LDR-Biased | 12.804 | 12.413 | -0.391 |
| 78 | 30 | LDR-Biased | 12.754 | 12.781 | 0.027 |
| 79 | 30 | LDR-Biased | 12.753 | 12.541 | -0.212 |
| 80 | 30 | LDR-Biased | 12.684 | 12.377 | -0.307 |
| 81 | 30 | LDR-Biased | 12.345 | 12.457 | 0.112 |
| 82 | 30 | LDR-Unbiased | 12.386 | 12.712 | 0.326 |
| 83 | 30 | LDR-Unbiased | 12.782 | 12.741 | -0.041 |
| 84 | 30 | LDR-Unbiased | 12.588 | 12.841 | 0.253 |
| 85 | 30 | LDR-Unbiased | 12.734 | 12.206 | -0.528 |
| 86 | 30 | LDR-Unbiased | 12.456 | 12.502 | 0.046 |
| 87 | 100 | LDR-Biased | 12.486 | 12.46 | -0.026 |
| 88 | 100 | LDR-Biased | 12.807 | 12.655 | -0.152 |
| 90 | 100 | LDR-Biased | 12.755 | 12.656 | -0.099 |
| 91 | 100 | LDR-Unbiased | 12.385 | 12.497 | 0.112 |
| 93 | 100 | LDR-Unbiased | 12.347 | 12.38 | 0.033 |
| 94 | 100 | LDR-Unbiased | 12.805 | 12.469 | -0.336 |
| 95 | 100 | LDR-Unbiased | 12.757 | 12.516 | -0.241 |
| 96 | 100 | LDR-Unbiased | 12.587 | 12.403 | -0.184 |
| 106 | 50 | LDR-Biased | 12.804 | 12.402 | -0.402 |
| 108 | 50 | LDR-Biased | 12.754 | 12.708 | -0.046 |
| 109 | 50 | LDR-Biased | 12.753 | 12.524 | -0.229 |
| 110 | 50 | LDR-Biased | 12.684 | 12.411 | -0.273 |
| 111 | 50 | LDR-Biased | 12.345 | 12.491 | 0.146 |
| 112 | 50 | LDR-Unbiased | 12.386 | 12.731 | 0.345 |
| 113 | 50 | LDR-Unbiased | 12.782 | 12.661 | -0.121 |
| 115 | 50 | LDR-Unbiased | 12.734 | 12.184 | -0.55 |
| 116 | 50 | LDR-Unbiased | 12.456 | 12.479 | 0.023 |
| 117 | 50 | LDR-Unbiased | 12.588 | 12.791 | 0.203 |

Test Statistics (mSec)

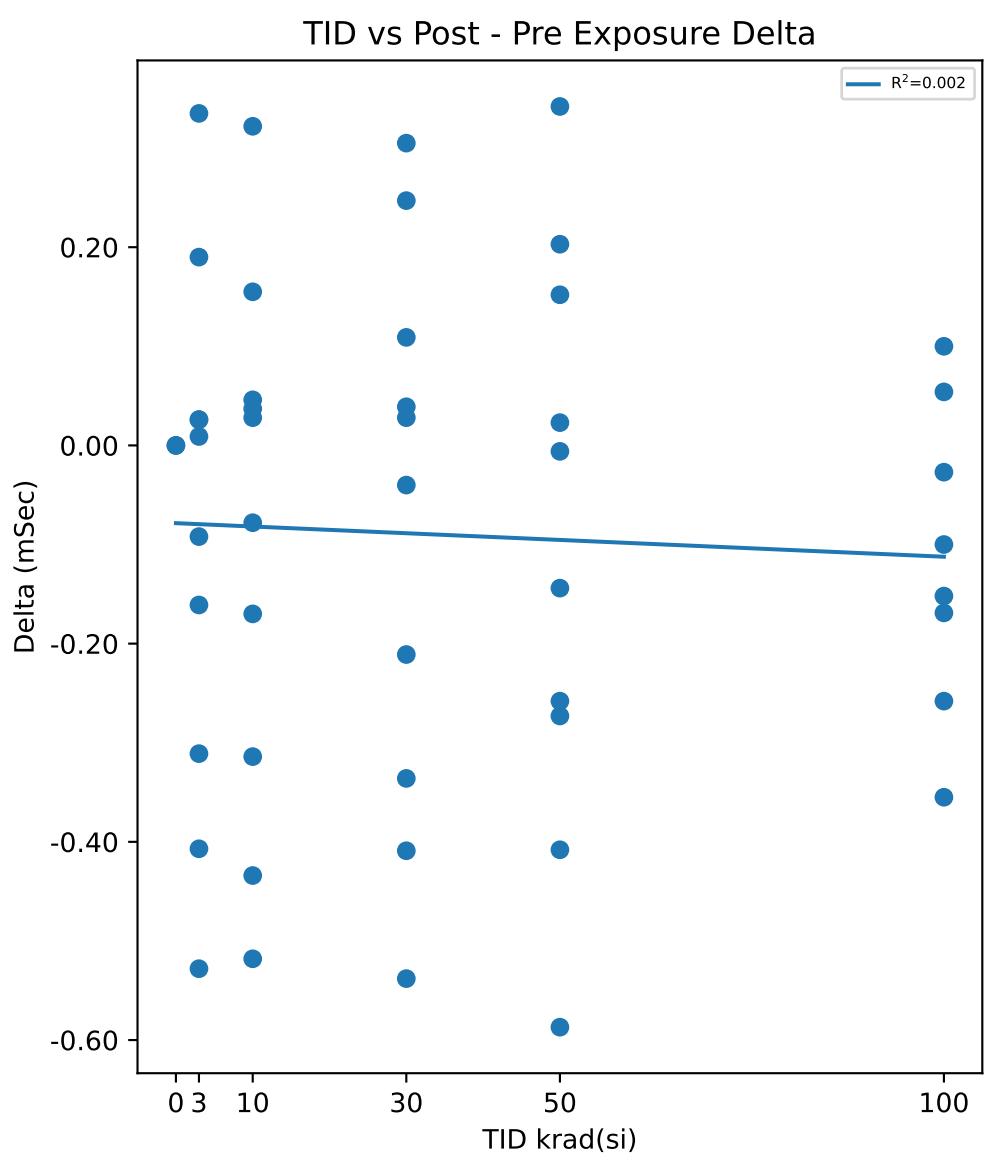
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.404 | 12.53 | 12.657 | 0.1789 | 12.404 | 12.53 | 12.657 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.345 | 12.629 | 12.804 | 0.17333 | 12.26 | 12.544 | 12.778 | 0.1931 | -0.474 | -0.0842 | 0.345 | 0.2588 |
| 10 | 12.345 | 12.629 | 12.804 | 0.17333 | 12.246 | 12.541 | 12.8 | 0.19581 | -0.488 | -0.0872 | 0.315 | 0.2573 |
| 30 | 12.345 | 12.629 | 12.804 | 0.17333 | 12.206 | 12.557 | 12.841 | 0.20503 | -0.528 | -0.0715 | 0.326 | 0.2803 |
| 50 | 12.345 | 12.629 | 12.804 | 0.17333 | 12.184 | 12.538 | 12.791 | 0.18593 | -0.55 | -0.0904 | 0.345 | 0.28051 |
| 100 | 12.347 | 12.616 | 12.807 | 0.19081 | 12.38 | 12.505 | 12.656 | 0.1034 | -0.336 | -0.11162 | 0.112 | 0.14753 |

# Device Test: 5.128 tdly_Res619K_EN2_SD/EN2/7/3/619K/0/0/@DLY_TMR_500KOHM




Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

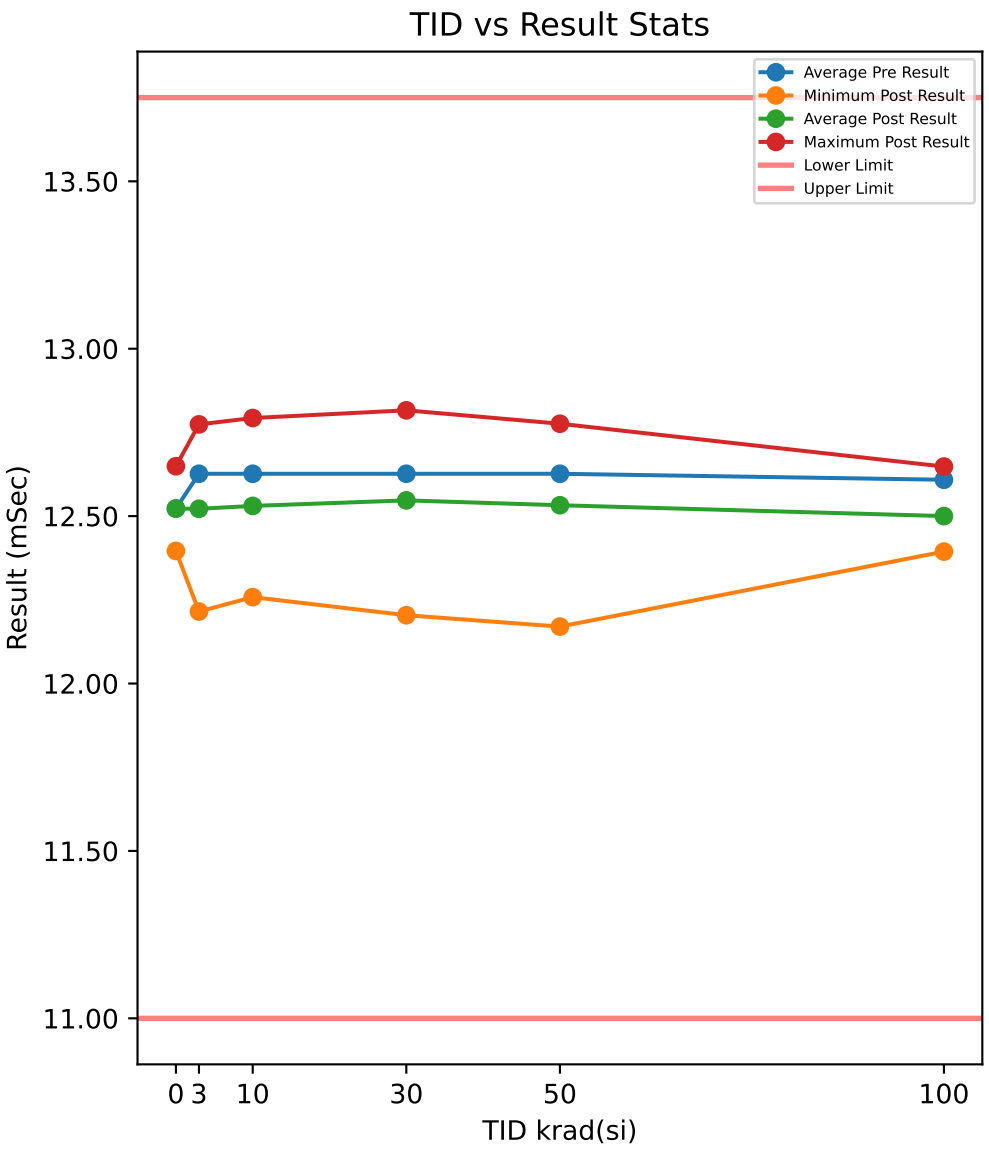
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.655 | 12.655 | 0 |
| 7 | 0 | Correlation | 12.402 | 12.402 | 0 |
| 16 | 3 | LDR-Biased | 12.804 | 12.397 | -0.407 |
| 18 | 3 | LDR-Biased | 12.753 | 12.779 | 0.026 |
| 19 | 3 | LDR-Biased | 12.755 | 12.594 | -0.161 |
| 20 | 3 | LDR-Biased | 12.684 | 12.373 | -0.311 |
| 21 | 3 | LDR-Biased | 12.345 | 12.371 | 0.026 |
| 22 | 3 | LDR-Unbiased | 12.387 | 12.722 | 0.335 |
| 23 | 3 | LDR-Unbiased | 12.78 | 12.688 | -0.092 |
| 25 | 3 | LDR-Unbiased | 12.769 | 12.241 | -0.528 |
| 26 | 3 | LDR-Unbiased | 12.456 | 12.465 | 0.009 |
| 27 | 3 | LDR-Unbiased | 12.588 | 12.778 | 0.19 |
| 46 | 10 | LDR-Biased | 12.804 | 12.37 | -0.434 |
| 48 | 10 | LDR-Biased | 12.753 | 12.799 | 0.046 |
| 49 | 10 | LDR-Biased | 12.755 | 12.585 | -0.17 |
| 50 | 10 | LDR-Biased | 12.684 | 12.37 | -0.314 |
| 51 | 10 | LDR-Biased | 12.345 | 12.382 | 0.037 |
| 52 | 10 | LDR-Unbiased | 12.387 | 12.709 | 0.322 |
| 53 | 10 | LDR-Unbiased | 12.78 | 12.702 | -0.078 |
| 55 | 10 | LDR-Unbiased | 12.769 | 12.251 | -0.518 |
| 56 | 10 | LDR-Unbiased | 12.456 | 12.484 | 0.028 |
| 57 | 10 | LDR-Unbiased | 12.588 | 12.743 | 0.155 |
| 76 | 30 | LDR-Biased | 12.804 | 12.395 | -0.409 |
| 78 | 30 | LDR-Biased | 12.753 | 12.781 | 0.028 |
| 79 | 30 | LDR-Biased | 12.755 | 12.544 | -0.211 |
| 80 | 30 | LDR-Biased | 12.684 | 12.348 | -0.336 |
| 81 | 30 | LDR-Biased | 12.345 | 12.454 | 0.109 |
| 82 | 30 | LDR-Unbiased | 12.387 | 12.692 | 0.305 |
| 83 | 30 | LDR-Unbiased | 12.78 | 12.74 | -0.04 |
| 84 | 30 | LDR-Unbiased | 12.588 | 12.835 | 0.247 |
| 85 | 30 | LDR-Unbiased | 12.769 | 12.231 | -0.538 |
| 86 | 30 | LDR-Unbiased | 12.456 | 12.495 | 0.039 |
| 87 | 100 | LDR-Biased | 12.487 | 12.46 | -0.027 |
| 88 | 100 | LDR-Biased | 12.805 | 12.653 | -0.152 |
| 90 | 100 | LDR-Biased | 12.755 | 12.655 | -0.1 |
| 91 | 100 | LDR-Unbiased | 12.38 | 12.48 | 0.1 |
| 93 | 100 | LDR-Unbiased | 12.347 | 12.401 | 0.054 |
| 94 | 100 | LDR-Unbiased | 12.802 | 12.447 | -0.355 |
| 95 | 100 | LDR-Unbiased | 12.772 | 12.514 | -0.258 |
| 96 | 100 | LDR-Unbiased | 12.571 | 12.402 | -0.169 |
| 106 | 50 | LDR-Biased | 12.804 | 12.396 | -0.408 |
| 108 | 50 | LDR-Biased | 12.753 | 12.747 | -0.006 |
| 109 | 50 | LDR-Biased | 12.755 | 12.497 | -0.258 |
| 110 | 50 | LDR-Biased | 12.684 | 12.411 | -0.273 |
| 111 | 50 | LDR-Biased | 12.345 | 12.497 | 0.152 |
| 112 | 50 | LDR-Unbiased | 12.387 | 12.729 | 0.342 |
| 113 | 50 | LDR-Unbiased | 12.78 | 12.636 | -0.144 |
| 115 | 50 | LDR-Unbiased | 12.769 | 12.182 | -0.587 |
| 116 | 50 | LDR-Unbiased | 12.456 | 12.479 | 0.023 |
| 117 | 50 | LDR-Unbiased | 12.588 | 12.791 | 0.203 |

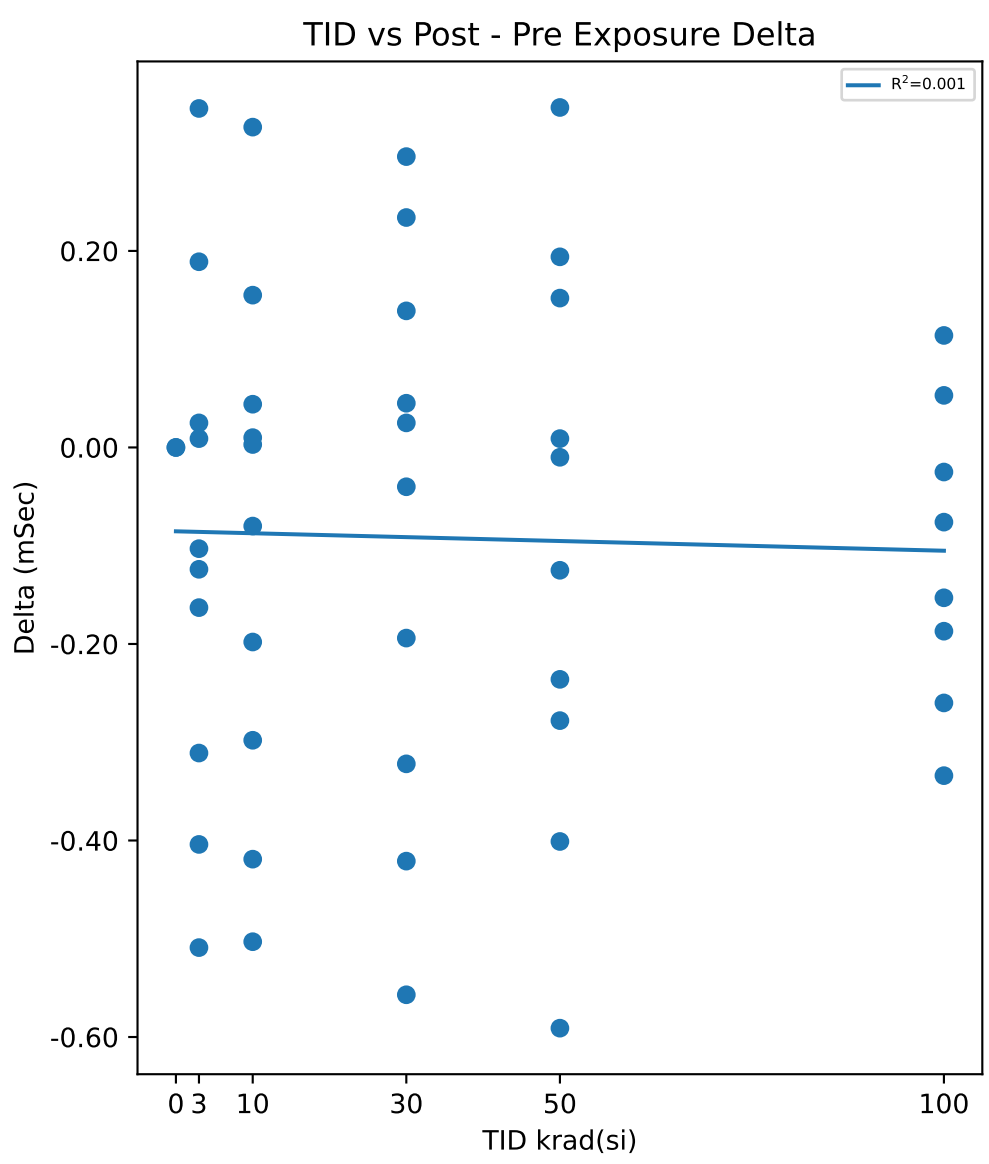



Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.402 | 12.528 | 12.655 | 0.1789 | 12.402 | 12.528 | 12.655 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.345 | 12.632 | 12.804 | 0.17576 | 12.241 | 12.541 | 12.779 | 0.1954 | -0.528 | -0.0913 | 0.335 | 0.26707 |
| 10 | 12.345 | 12.632 | 12.804 | 0.17576 | 12.251 | 12.54 | 12.799 | 0.1928 | -0.518 | -0.0926 | 0.322 | 0.26593 |
| 30 | 12.345 | 12.632 | 12.804 | 0.17576 | 12.231 | 12.552 | 12.835 | 0.20268 | -0.538 | -0.0806 | 0.305 | 0.28265 |
| 50 | 12.345 | 12.632 | 12.804 | 0.17576 | 12.182 | 12.537 | 12.791 | 0.18963 | -0.587 | -0.0956 | 0.342 | 0.29123 |
| 100 | 12.347 | 12.615 | 12.805 | 0.19298 | 12.401 | 12.502 | 12.655 | 0.1013 | -0.355 | -0.11338 | 0.1 | 0.15356 |

# Device Test: 5.129 tdly_Res619K_EN3_SD/EN3/7/3/619K/0/0/@DLY_TMR_500KOHM



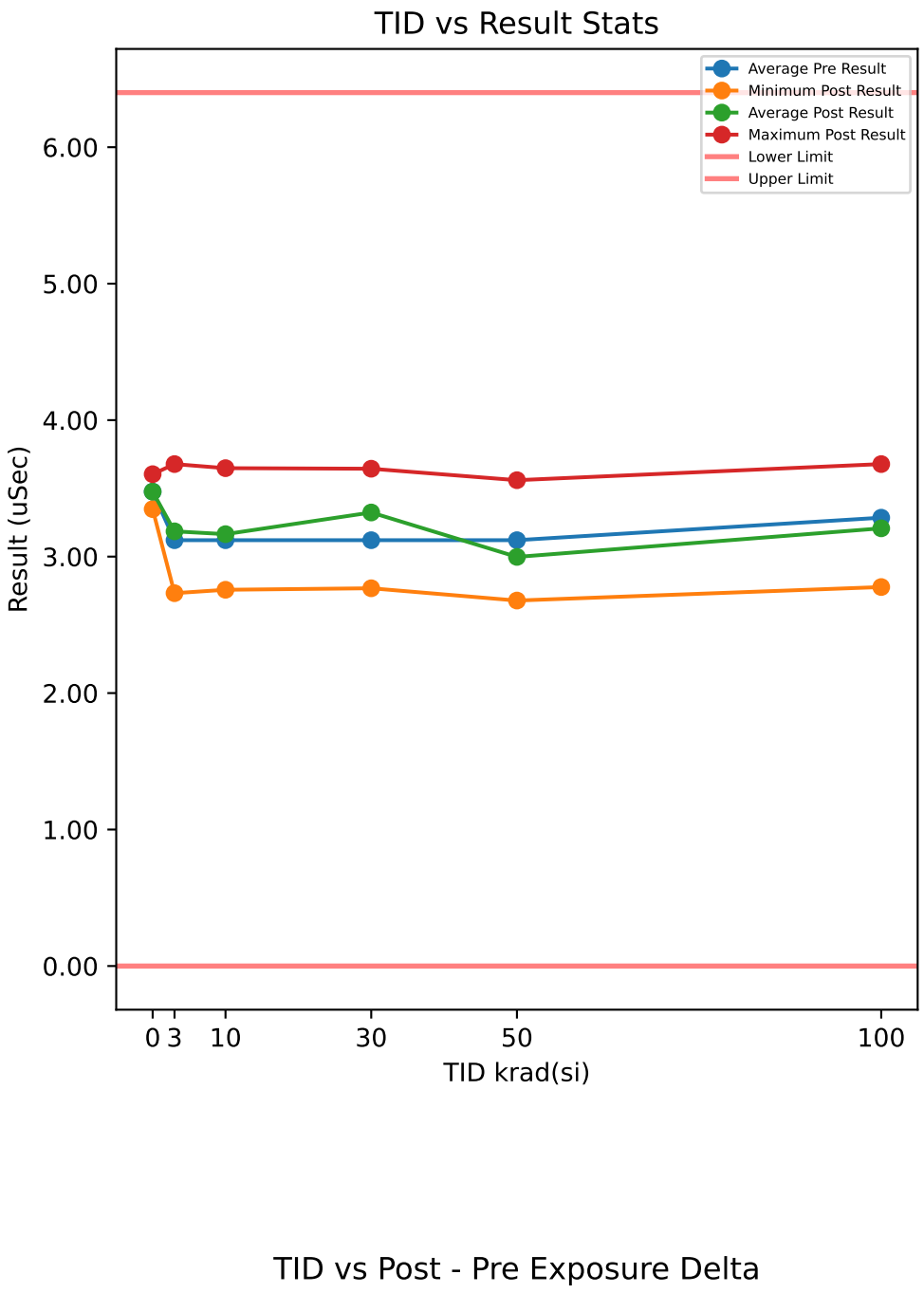

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

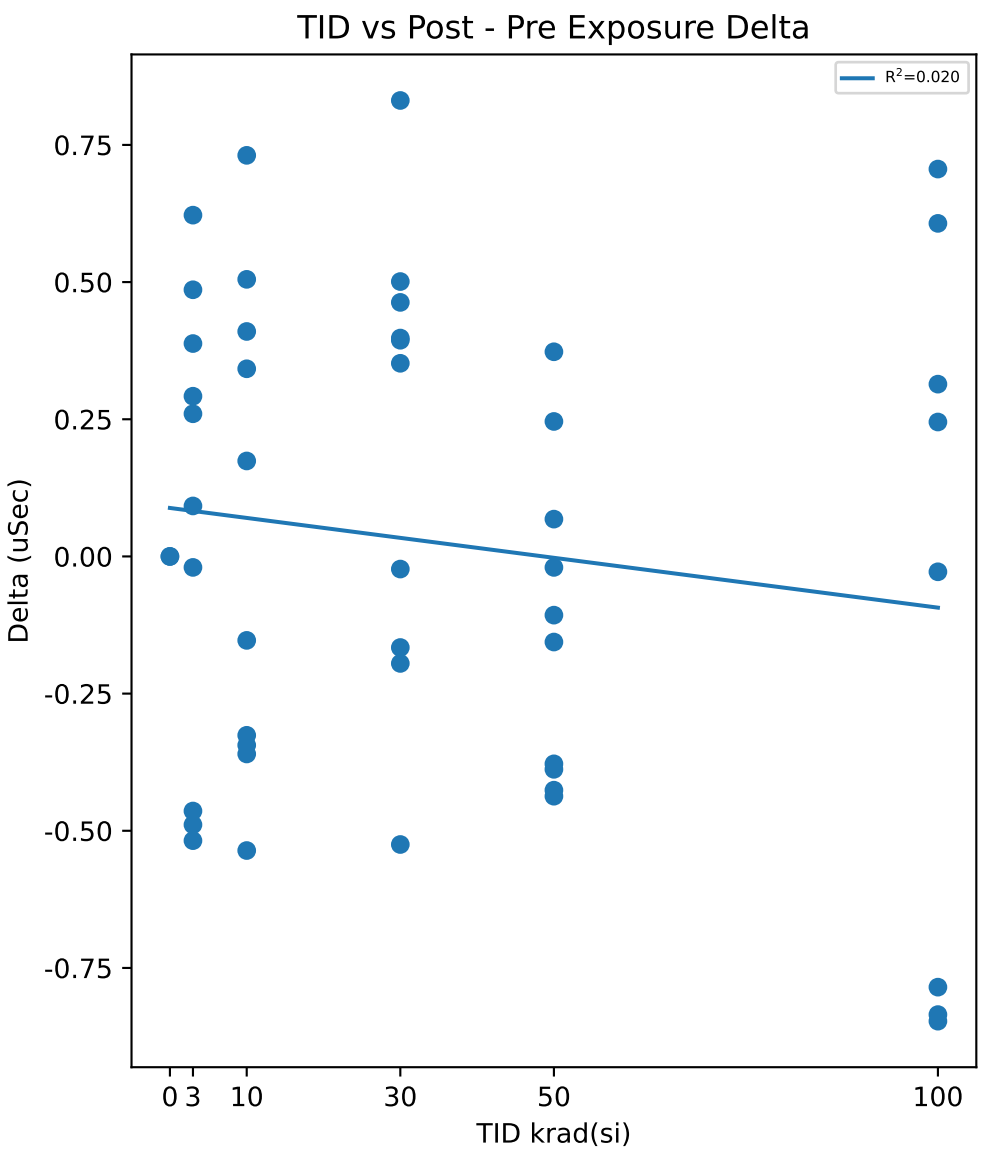
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.649 | 12.649 | 0 |
| 7 | 0 | Correlation | 12.396 | 12.396 | 0 |
| 16 | 3 | LDR-Biased | 12.798 | 12.394 | -0.404 |
| 18 | 3 | LDR-Biased | 12.749 | 12.774 | 0.025 |
| 19 | 3 | LDR-Biased | 12.751 | 12.588 | -0.163 |
| 20 | 3 | LDR-Biased | 12.679 | 12.368 | -0.311 |
| 21 | 3 | LDR-Biased | 12.339 | 12.215 | -0.124 |
| 22 | 3 | LDR-Unbiased | 12.38 | 12.725 | 0.345 |
| 23 | 3 | LDR-Unbiased | 12.775 | 12.672 | -0.103 |
| 25 | 3 | LDR-Unbiased | 12.761 | 12.252 | -0.509 |
| 26 | 3 | LDR-Unbiased | 12.451 | 12.46 | 0.009 |
| 27 | 3 | LDR-Unbiased | 12.582 | 12.771 | 0.189 |
| 46 | 10 | LDR-Biased | 12.798 | 12.379 | -0.419 |
| 48 | 10 | LDR-Biased | 12.749 | 12.793 | 0.044 |
| 49 | 10 | LDR-Biased | 12.751 | 12.553 | -0.198 |
| 50 | 10 | LDR-Biased | 12.679 | 12.381 | -0.298 |
| 51 | 10 | LDR-Biased | 12.339 | 12.349 | 0.01 |
| 52 | 10 | LDR-Unbiased | 12.38 | 12.706 | 0.326 |
| 53 | 10 | LDR-Unbiased | 12.775 | 12.695 | -0.08 |
| 55 | 10 | LDR-Unbiased | 12.761 | 12.258 | -0.503 |
| 56 | 10 | LDR-Unbiased | 12.451 | 12.454 | 0.003 |
| 57 | 10 | LDR-Unbiased | 12.582 | 12.737 | 0.155 |
| 76 | 30 | LDR-Biased | 12.798 | 12.377 | -0.421 |
| 78 | 30 | LDR-Biased | 12.749 | 12.774 | 0.025 |
| 79 | 30 | LDR-Biased | 12.751 | 12.557 | -0.194 |
| 80 | 30 | LDR-Biased | 12.679 | 12.357 | -0.322 |
| 81 | 30 | LDR-Biased | 12.339 | 12.478 | 0.139 |
| 82 | 30 | LDR-Unbiased | 12.38 | 12.676 | 0.296 |
| 83 | 30 | LDR-Unbiased | 12.775 | 12.735 | -0.04 |
| 84 | 30 | LDR-Unbiased | 12.582 | 12.816 | 0.234 |
| 85 | 30 | LDR-Unbiased | 12.761 | 12.204 | -0.557 |
| 86 | 30 | LDR-Unbiased | 12.451 | 12.496 | 0.045 |
| 87 | 100 | LDR-Biased | 12.479 | 12.454 | -0.025 |
| 88 | 100 | LDR-Biased | 12.801 | 12.648 | -0.153 |
| 90 | 100 | LDR-Biased | 12.724 | 12.648 | -0.076 |
| 91 | 100 | LDR-Unbiased | 12.377 | 12.491 | 0.114 |
| 93 | 100 | LDR-Unbiased | 12.341 | 12.394 | 0.053 |
| 94 | 100 | LDR-Unbiased | 12.798 | 12.464 | -0.334 |
| 95 | 100 | LDR-Unbiased | 12.765 | 12.505 | -0.26 |
| 96 | 100 | LDR-Unbiased | 12.584 | 12.397 | -0.187 |
| 106 | 50 | LDR-Biased | 12.798 | 12.397 | -0.401 |
| 108 | 50 | LDR-Biased | 12.749 | 12.739 | -0.01 |
| 109 | 50 | LDR-Biased | 12.751 | 12.515 | -0.236 |
| 110 | 50 | LDR-Biased | 12.679 | 12.401 | -0.278 |
| 111 | 50 | LDR-Biased | 12.339 | 12.491 | 0.152 |
| 112 | 50 | LDR-Unbiased | 12.38 | 12.726 | 0.346 |
| 113 | 50 | LDR-Unbiased | 12.775 | 12.65 | -0.125 |
| 115 | 50 | LDR-Unbiased | 12.761 | 12.17 | -0.591 |
| 116 | 50 | LDR-Unbiased | 12.451 | 12.46 | 0.009 |
| 117 | 50 | LDR-Unbiased | 12.582 | 12.776 | 0.194 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.396 | 12.523 | 12.649 | 0.1789 | 12.396 | 12.523 | 12.649 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.339 | 12.627 | 12.798 | 0.17607 | 12.215 | 12.522 | 12.774 | 0.21204 | -0.509 | -0.1046 | 0.345 | 0.26196 |
| 10 | 12.339 | 12.627 | 12.798 | 0.17607 | 12.258 | 12.53 | 12.793 | 0.19098 | -0.503 | -0.096 | 0.326 | 0.25888 |
| 30 | 12.339 | 12.627 | 12.798 | 0.17607 | 12.204 | 12.547 | 12.816 | 0.20166 | -0.557 | -0.0795 | 0.296 | 0.2851 |
| 50 | 12.339 | 12.627 | 12.798 | 0.17607 | 12.17 | 12.533 | 12.776 | 0.19077 | -0.591 | -0.094 | 0.346 | 0.28886 |
| 100 | 12.341 | 12.609 | 12.801 | 0.19023 | 12.394 | 12.5 | 12.648 | 0.099406 | -0.334 | -0.1085 | 0.114 | 0.15379 |

# Device Test: 5.13 tpd_EN2_SU/EN2/1.6/14/0/0/0/@TPD_EN



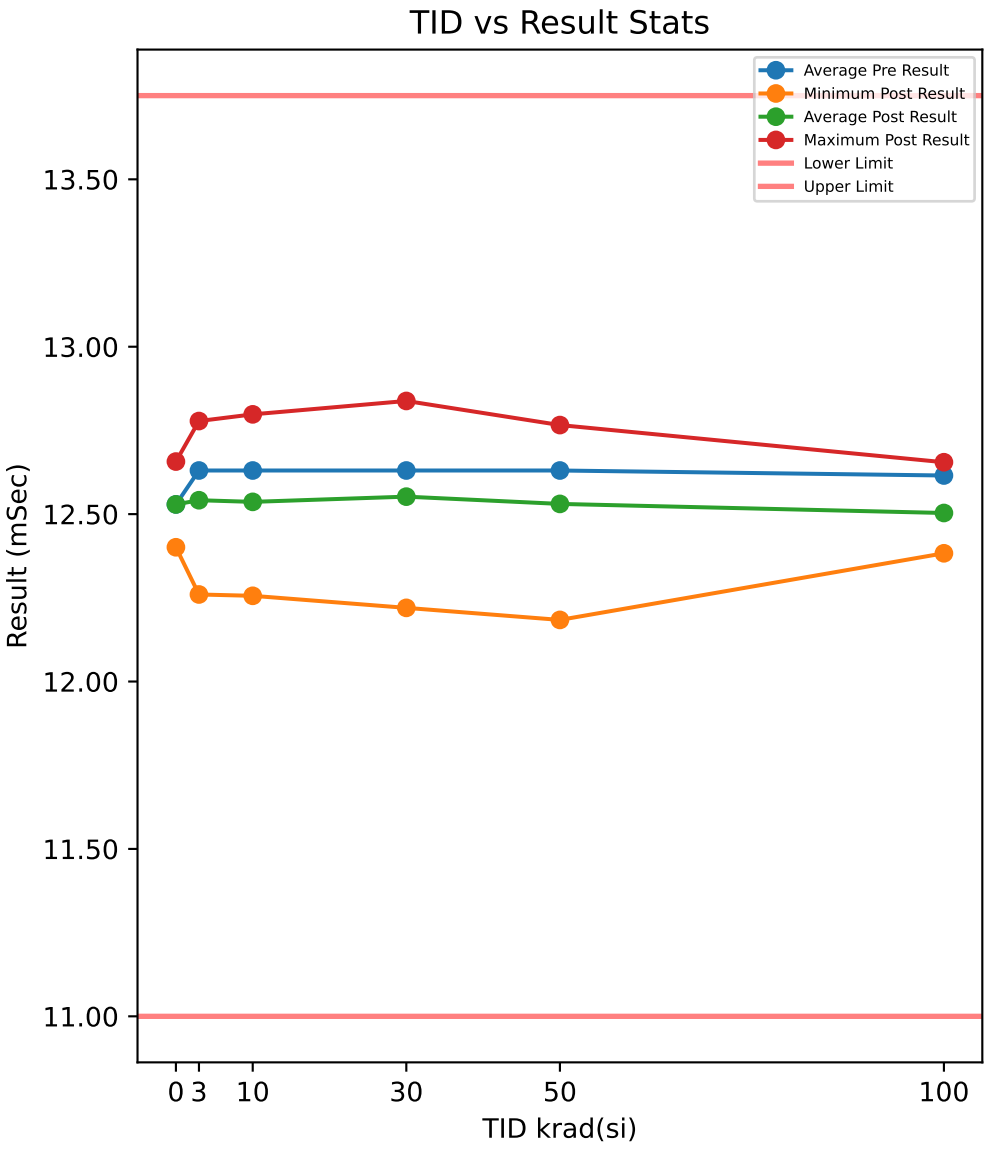

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

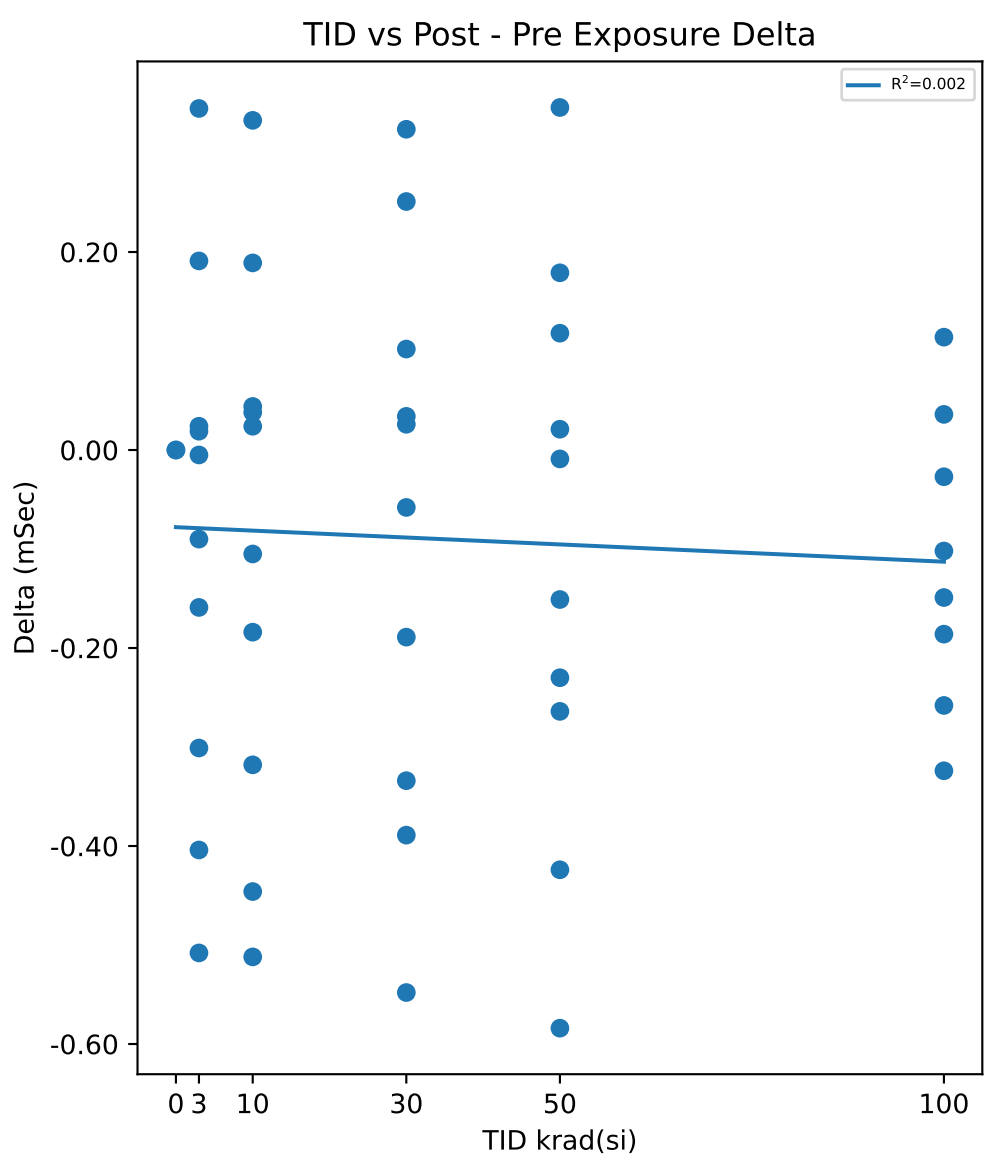
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.604 | 3.604 | 0 |
| 7 | 0 | Correlation | 3.348 | 3.348 | 0 |
| 16 | 3 | LDR-Biased | 3.143 | 3.123 | -0.02 |
| 18 | 3 | LDR-Biased | 2.8 | 3.286 | 0.486 |
| 19 | 3 | LDR-Biased | 3.196 | 2.732 | -0.464 |
| 20 | 3 | LDR-Biased | 3.018 | 3.11 | 0.092 |
| 21 | 3 | LDR-Biased | 3.386 | 2.868 | -0.518 |
| 22 | 3 | LDR-Unbiased | 3.293 | 3.553 | 0.26 |
| 23 | 3 | LDR-Unbiased | 3.314 | 2.825 | -0.489 |
| 25 | 3 | LDR-Unbiased | 2.882 | 3.174 | 0.292 |
| 26 | 3 | LDR-Unbiased | 3.115 | 3.503 | 0.388 |
| 27 | 3 | LDR-Unbiased | 3.056 | 3.678 | 0.622 |
| 46 | 10 | LDR-Biased | 3.143 | 3.648 | 0.505 |
| 48 | 10 | LDR-Biased | 2.8 | 3.531 | 0.731 |
| 49 | 10 | LDR-Biased | 3.196 | 2.852 | -0.344 |
| 50 | 10 | LDR-Biased | 3.018 | 3.36 | 0.342 |
| 51 | 10 | LDR-Biased | 3.386 | 3.026 | -0.36 |
| 52 | 10 | LDR-Unbiased | 3.293 | 2.757 | -0.536 |
| 53 | 10 | LDR-Unbiased | 3.314 | 3.161 | -0.153 |
| 55 | 10 | LDR-Unbiased | 2.882 | 3.292 | 0.41 |
| 56 | 10 | LDR-Unbiased | 3.115 | 2.789 | -0.326 |
| 57 | 10 | LDR-Unbiased | 3.056 | 3.23 | 0.174 |
| 76 | 30 | LDR-Biased | 3.143 | 3.644 | 0.501 |
| 78 | 30 | LDR-Biased | 2.8 | 3.631 | 0.831 |
| 79 | 30 | LDR-Biased | 3.196 | 3.548 | 0.352 |
| 80 | 30 | LDR-Biased | 3.018 | 3.416 | 0.398 |
| 81 | 30 | LDR-Biased | 3.386 | 3.363 | -0.023 |
| 82 | 30 | LDR-Unbiased | 3.293 | 2.768 | -0.525 |
| 83 | 30 | LDR-Unbiased | 3.314 | 3.148 | -0.166 |
| 84 | 30 | LDR-Unbiased | 3.056 | 3.519 | 0.463 |
| 85 | 30 | LDR-Unbiased | 2.882 | 3.276 | 0.394 |
| 86 | 30 | LDR-Unbiased | 3.115 | 2.92 | -0.195 |
| 87 | 100 | LDR-Biased | 2.937 | 3.251 | 0.314 |
| 88 | 100 | LDR-Biased | 3.685 | 2.838 | -0.847 |
| 90 | 100 | LDR-Biased | 3.131 | 3.376 | 0.245 |
| 91 | 100 | LDR-Unbiased | 3.628 | 2.843 | -0.785 |
| 93 | 100 | LDR-Unbiased | 2.797 | 3.404 | 0.607 |
| 94 | 100 | LDR-Unbiased | 3.612 | 2.777 | -0.835 |
| 95 | 100 | LDR-Unbiased | 3.519 | 3.491 | -0.028 |
| 96 | 100 | LDR-Unbiased | 2.972 | 3.678 | 0.706 |
| 106 | 50 | LDR-Biased | 3.143 | 3.211 | 0.068 |
| 108 | 50 | LDR-Biased | 2.8 | 3.173 | 0.373 |
| 109 | 50 | LDR-Biased | 3.196 | 2.818 | -0.378 |
| 110 | 50 | LDR-Biased | 3.018 | 2.862 | -0.156 |
| 111 | 50 | LDR-Biased | 3.386 | 2.998 | -0.388 |
| 112 | 50 | LDR-Unbiased | 3.293 | 2.867 | -0.426 |
| 113 | 50 | LDR-Unbiased | 3.314 | 3.56 | 0.246 |
| 115 | 50 | LDR-Unbiased | 2.882 | 2.775 | -0.107 |
| 116 | 50 | LDR-Unbiased | 3.115 | 2.678 | -0.437 |
| 117 | 50 | LDR-Unbiased | 3.056 | 3.036 | -0.02 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.348 | 3.476 | 3.604 | 0.18102 | 3.348 | 3.476 | 3.604 | 0.18102 | 0 | 0 | 0 | 0 |
| 3 | 2.8 | 3.1203 | 3.386 | 0.18803 | 2.732 | 3.1852 | 3.678 | 0.32226 | -0.518 | 0.0649 | 0.622 | 0.42374 |
| 10 | 2.8 | 3.1203 | 3.386 | 0.18803 | 2.757 | 3.1646 | 3.648 | 0.30746 | -0.536 | 0.0443 | 0.731 | 0.44096 |
| 30 | 2.8 | 3.1203 | 3.386 | 0.18803 | 2.768 | 3.3233 | 3.644 | 0.29823 | -0.525 | 0.203 | 0.831 | 0.41138 |
| 50 | 2.8 | 3.1203 | 3.386 | 0.18803 | 2.678 | 2.9978 | 3.56 | 0.26108 | -0.437 | -0.1225 | 0.373 | 0.28988 |
| 100 | 2.797 | 3.2851 | 3.685 | 0.36258 | 2.777 | 3.2073 | 3.678 | 0.34338 | -0.847 | -0.077875 | 0.706 | 0.65559 |

# Device Test: 5.130 tdly_Res619K_EN4_SD/EN4/7/3/619K/0/0/@DLY_TMR_500KOHM



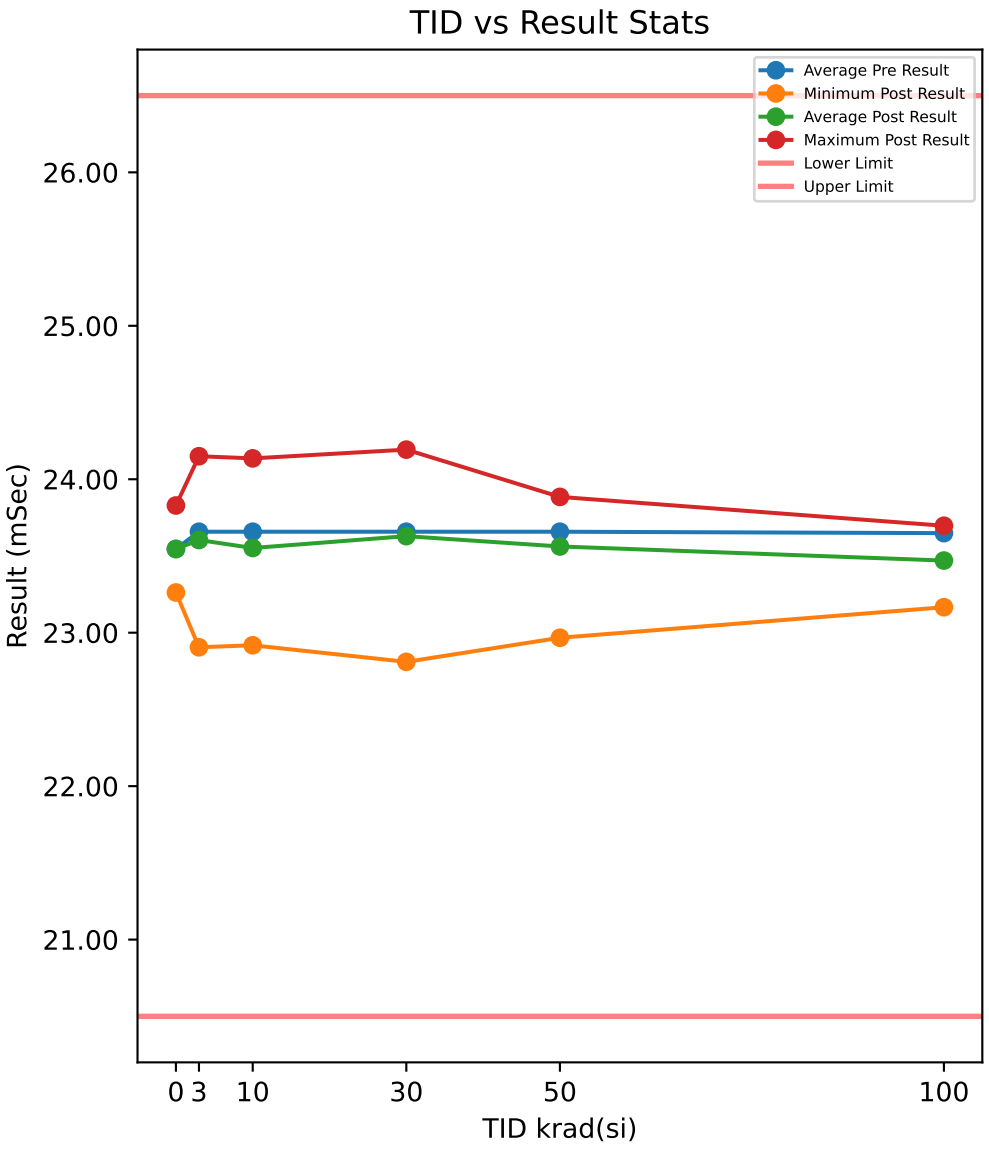

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

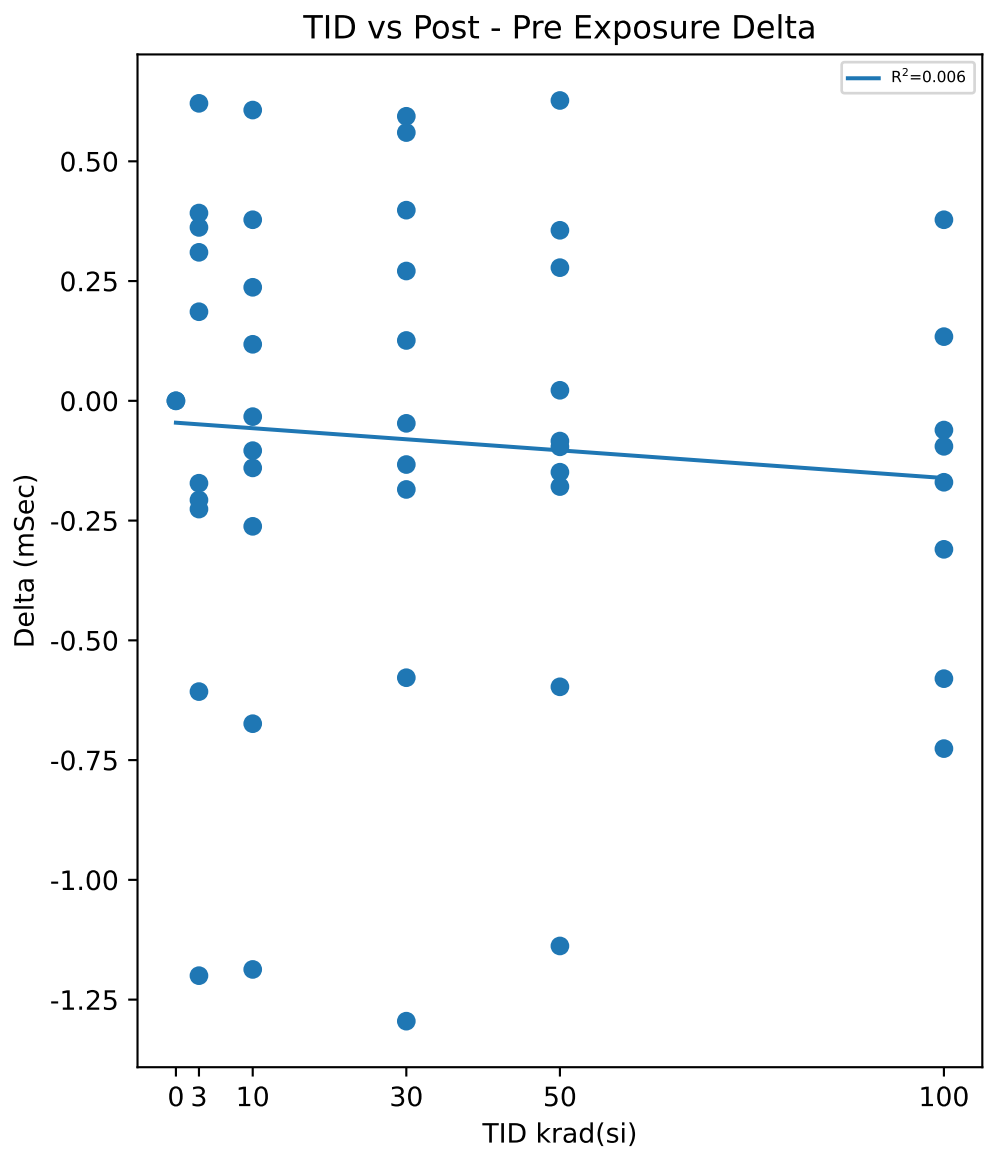
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.657 | 12.657 | 0 |
| 7 | 0 | Correlation | 12.401 | 12.401 | 0 |
| 16 | 3 | LDR-Biased | 12.802 | 12.398 | -0.404 |
| 18 | 3 | LDR-Biased | 12.754 | 12.778 | 0.024 |
| 19 | 3 | LDR-Biased | 12.752 | 12.593 | -0.159 |
| 20 | 3 | LDR-Biased | 12.674 | 12.373 | -0.301 |
| 21 | 3 | LDR-Biased | 12.344 | 12.363 | 0.019 |
| 22 | 3 | LDR-Unbiased | 12.385 | 12.73 | 0.345 |
| 23 | 3 | LDR-Unbiased | 12.78 | 12.69 | -0.09 |
| 25 | 3 | LDR-Unbiased | 12.768 | 12.26 | -0.508 |
| 26 | 3 | LDR-Unbiased | 12.457 | 12.452 | -0.005 |
| 27 | 3 | LDR-Unbiased | 12.587 | 12.778 | 0.191 |
| 46 | 10 | LDR-Biased | 12.802 | 12.356 | -0.446 |
| 48 | 10 | LDR-Biased | 12.754 | 12.798 | 0.044 |
| 49 | 10 | LDR-Biased | 12.752 | 12.568 | -0.184 |
| 50 | 10 | LDR-Biased | 12.674 | 12.356 | -0.318 |
| 51 | 10 | LDR-Biased | 12.344 | 12.382 | 0.038 |
| 52 | 10 | LDR-Unbiased | 12.385 | 12.718 | 0.333 |
| 53 | 10 | LDR-Unbiased | 12.78 | 12.675 | -0.105 |
| 55 | 10 | LDR-Unbiased | 12.768 | 12.256 | -0.512 |
| 56 | 10 | LDR-Unbiased | 12.457 | 12.481 | 0.024 |
| 57 | 10 | LDR-Unbiased | 12.587 | 12.776 | 0.189 |
| 76 | 30 | LDR-Biased | 12.802 | 12.413 | -0.389 |
| 78 | 30 | LDR-Biased | 12.754 | 12.78 | 0.026 |
| 79 | 30 | LDR-Biased | 12.752 | 12.563 | -0.189 |
| 80 | 30 | LDR-Biased | 12.674 | 12.34 | -0.334 |
| 81 | 30 | LDR-Biased | 12.344 | 12.446 | 0.102 |
| 82 | 30 | LDR-Unbiased | 12.385 | 12.709 | 0.324 |
| 83 | 30 | LDR-Unbiased | 12.78 | 12.722 | -0.058 |
| 84 | 30 | LDR-Unbiased | 12.587 | 12.838 | 0.251 |
| 85 | 30 | LDR-Unbiased | 12.768 | 12.22 | -0.548 |
| 86 | 30 | LDR-Unbiased | 12.457 | 12.491 | 0.034 |
| 87 | 100 | LDR-Biased | 12.486 | 12.459 | -0.027 |
| 88 | 100 | LDR-Biased | 12.804 | 12.655 | -0.149 |
| 90 | 100 | LDR-Biased | 12.756 | 12.654 | -0.102 |
| 91 | 100 | LDR-Unbiased | 12.382 | 12.496 | 0.114 |
| 93 | 100 | LDR-Unbiased | 12.347 | 12.383 | 0.036 |
| 94 | 100 | LDR-Unbiased | 12.788 | 12.464 | -0.324 |
| 95 | 100 | LDR-Unbiased | 12.773 | 12.515 | -0.258 |
| 96 | 100 | LDR-Unbiased | 12.587 | 12.401 | -0.186 |
| 106 | 50 | LDR-Biased | 12.802 | 12.378 | -0.424 |
| 108 | 50 | LDR-Biased | 12.754 | 12.745 | -0.009 |
| 109 | 50 | LDR-Biased | 12.752 | 12.522 | -0.23 |
| 110 | 50 | LDR-Biased | 12.674 | 12.41 | -0.264 |
| 111 | 50 | LDR-Biased | 12.344 | 12.462 | 0.118 |
| 112 | 50 | LDR-Unbiased | 12.385 | 12.731 | 0.346 |
| 113 | 50 | LDR-Unbiased | 12.78 | 12.629 | -0.151 |
| 115 | 50 | LDR-Unbiased | 12.768 | 12.184 | -0.584 |
| 116 | 50 | LDR-Unbiased | 12.457 | 12.478 | 0.021 |
| 117 | 50 | LDR-Unbiased | 12.587 | 12.766 | 0.179 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.401 | 12.529 | 12.657 | 0.18102 | 12.401 | 12.529 | 12.657 | 0.18102 | 0 | 0 | 0 | 0 |
| 3 | 12.344 | 12.63 | 12.802 | 0.17541 | 12.26 | 12.541 | 12.778 | 0.19442 | -0.508 | -0.0888 | 0.345 | 0.26307 |
| 10 | 12.344 | 12.63 | 12.802 | 0.17541 | 12.256 | 12.537 | 12.798 | 0.1971 | -0.512 | -0.0937 | 0.333 | 0.27281 |
| 30 | 12.344 | 12.63 | 12.802 | 0.17541 | 12.22 | 12.552 | 12.838 | 0.20464 | -0.548 | -0.0781 | 0.324 | 0.28313 |
| 50 | 12.344 | 12.63 | 12.802 | 0.17541 | 12.184 | 12.53 | 12.766 | 0.1876 | -0.584 | -0.0998 | 0.346 | 0.28535 |
| 100 | 12.347 | 12.615 | 12.804 | 0.1905 | 12.383 | 12.503 | 12.655 | 0.10307 | -0.324 | -0.112 | 0.114 | 0.14804 |

# Device Test: 5.131 tdly_Res1p18M_EN1_SU/EN1/7/3/1.18M/0/0/@DLY_TMR_1MOHM



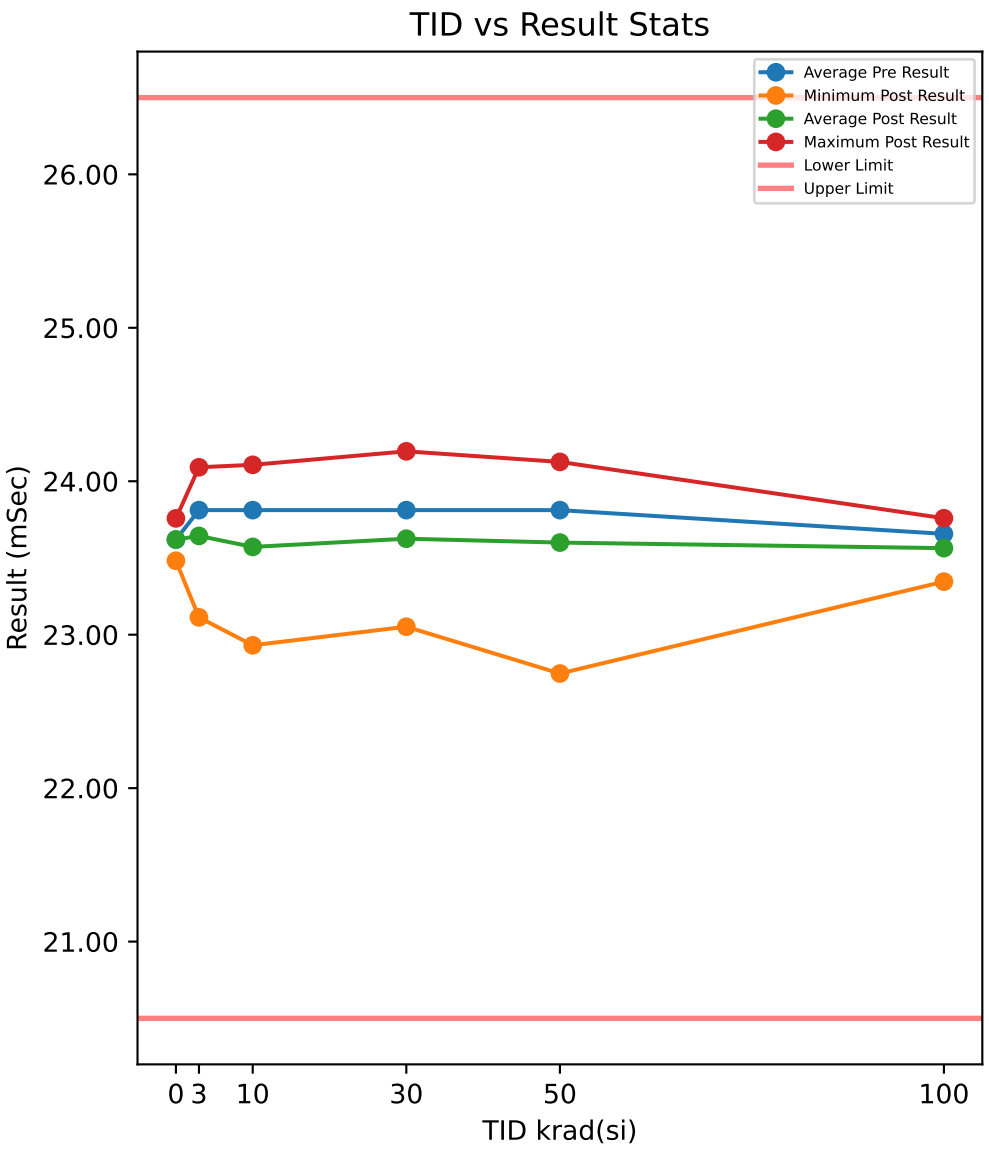

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

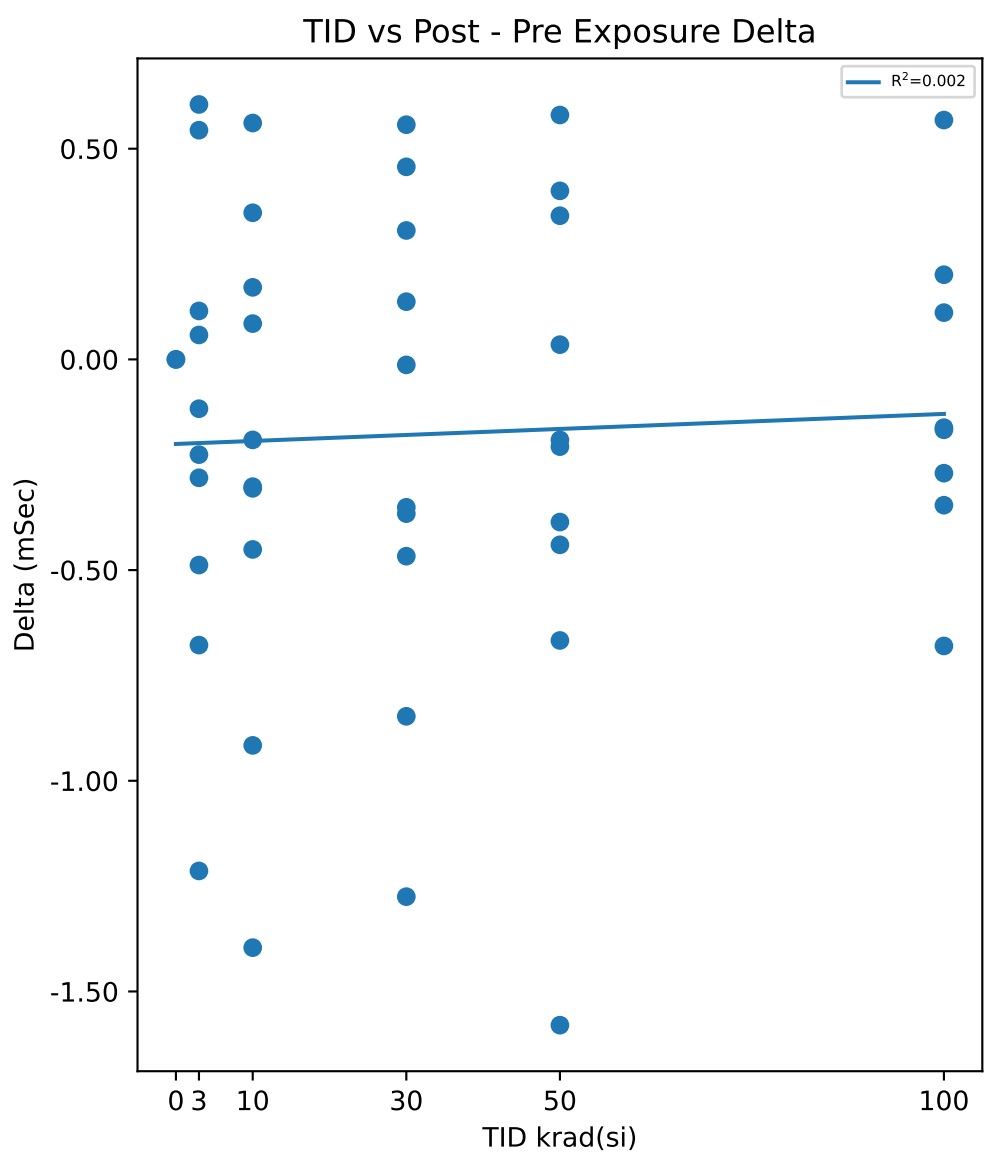
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.829 | 23.829 | 0 |
| 7 | 0 | Correlation | 23.262 | 23.262 | 0 |
| 16 | 3 | LDR-Biased | 24.028 | 23.421 | -0.607 |
| 18 | 3 | LDR-Biased | 23.709 | 24.071 | 0.362 |
| 19 | 3 | LDR-Biased | 23.836 | 23.61 | -0.226 |
| 20 | 3 | LDR-Biased | 23.575 | 23.403 | -0.172 |
| 21 | 3 | LDR-Biased | 23.033 | 23.425 | 0.392 |
| 22 | 3 | LDR-Unbiased | 23.353 | 23.663 | 0.31 |
| 23 | 3 | LDR-Unbiased | 23.922 | 24.108 | 0.186 |
| 25 | 3 | LDR-Unbiased | 24.105 | 22.905 | -1.2 |
| 26 | 3 | LDR-Unbiased | 23.49 | 23.283 | -0.207 |
| 27 | 3 | LDR-Unbiased | 23.529 | 24.15 | 0.621 |
| 46 | 10 | LDR-Biased | 24.028 | 23.354 | -0.674 |
| 48 | 10 | LDR-Biased | 23.709 | 24.087 | 0.378 |
| 49 | 10 | LDR-Biased | 23.836 | 23.574 | -0.262 |
| 50 | 10 | LDR-Biased | 23.575 | 23.435 | -0.14 |
| 51 | 10 | LDR-Biased | 23.033 | 23.151 | 0.118 |
| 52 | 10 | LDR-Unbiased | 23.353 | 23.59 | 0.237 |
| 53 | 10 | LDR-Unbiased | 23.922 | 23.889 | -0.033 |
| 55 | 10 | LDR-Unbiased | 24.105 | 22.918 | -1.187 |
| 56 | 10 | LDR-Unbiased | 23.49 | 23.386 | -0.104 |
| 57 | 10 | LDR-Unbiased | 23.529 | 24.136 | 0.607 |
| 76 | 30 | LDR-Biased | 24.028 | 23.45 | -0.578 |
| 78 | 30 | LDR-Biased | 23.709 | 23.835 | 0.126 |
| 79 | 30 | LDR-Biased | 23.836 | 23.789 | -0.047 |
| 80 | 30 | LDR-Biased | 23.575 | 23.39 | -0.185 |
| 81 | 30 | LDR-Biased | 23.033 | 23.627 | 0.594 |
| 82 | 30 | LDR-Unbiased | 23.353 | 23.913 | 0.56 |
| 83 | 30 | LDR-Unbiased | 23.922 | 24.193 | 0.271 |
| 84 | 30 | LDR-Unbiased | 23.529 | 23.927 | 0.398 |
| 85 | 30 | LDR-Unbiased | 24.105 | 22.81 | -1.295 |
| 86 | 30 | LDR-Unbiased | 23.49 | 23.357 | -0.133 |
| 87 | 100 | LDR-Biased | 23.585 | 23.524 | -0.061 |
| 88 | 100 | LDR-Biased | 24.056 | 23.476 | -0.58 |
| 90 | 100 | LDR-Biased | 23.639 | 23.469 | -0.17 |
| 91 | 100 | LDR-Unbiased | 23.31 | 23.688 | 0.378 |
| 93 | 100 | LDR-Unbiased | 23.032 | 23.166 | 0.134 |
| 94 | 100 | LDR-Unbiased | 24.034 | 23.308 | -0.726 |
| 95 | 100 | LDR-Unbiased | 24.007 | 23.697 | -0.31 |
| 96 | 100 | LDR-Unbiased | 23.528 | 23.433 | -0.095 |
| 106 | 50 | LDR-Biased | 24.028 | 23.431 | -0.597 |
| 108 | 50 | LDR-Biased | 23.709 | 23.731 | 0.022 |
| 109 | 50 | LDR-Biased | 23.836 | 23.74 | -0.096 |
| 110 | 50 | LDR-Biased | 23.575 | 23.491 | -0.084 |
| 111 | 50 | LDR-Biased | 23.033 | 23.66 | 0.627 |
| 112 | 50 | LDR-Unbiased | 23.353 | 23.631 | 0.278 |
| 113 | 50 | LDR-Unbiased | 23.922 | 23.773 | -0.149 |
| 115 | 50 | LDR-Unbiased | 24.105 | 22.967 | -1.138 |
| 116 | 50 | LDR-Unbiased | 23.49 | 23.311 | -0.179 |
| 117 | 50 | LDR-Unbiased | 23.529 | 23.885 | 0.356 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.262 | 23.546 | 23.829 | 0.40093 | 23.262 | 23.546 | 23.829 | 0.40093 | 0 | 0 | 0 | 0 |
| 3 | 23.033 | 23.658 | 24.105 | 0.32932 | 22.905 | 23.604 | 24.15 | 0.40433 | -1.2 | -0.0541 | 0.621 | 0.5481 |
| 10 | 23.033 | 23.658 | 24.105 | 0.32932 | 22.918 | 23.552 | 24.136 | 0.39243 | -1.187 | -0.106 | 0.607 | 0.51988 |
| 30 | 23.033 | 23.658 | 24.105 | 0.32932 | 22.81 | 23.629 | 24.193 | 0.39292 | -1.295 | -0.0289 | 0.594 | 0.57456 |
| 50 | 23.033 | 23.658 | 24.105 | 0.32932 | 22.967 | 23.562 | 23.885 | 0.27135 | -1.138 | -0.096 | 0.627 | 0.49749 |
| 100 | 23.032 | 23.649 | 24.056 | 0.36965 | 23.166 | 23.47 | 23.697 | 0.1781 | -0.726 | -0.17875 | 0.378 | 0.35985 |

# Device Test: 5.132 tdly_Res1p18M_EN2_SU/EN2/7/3/1.18M/0/0/@DLY_TMR_1MOHM



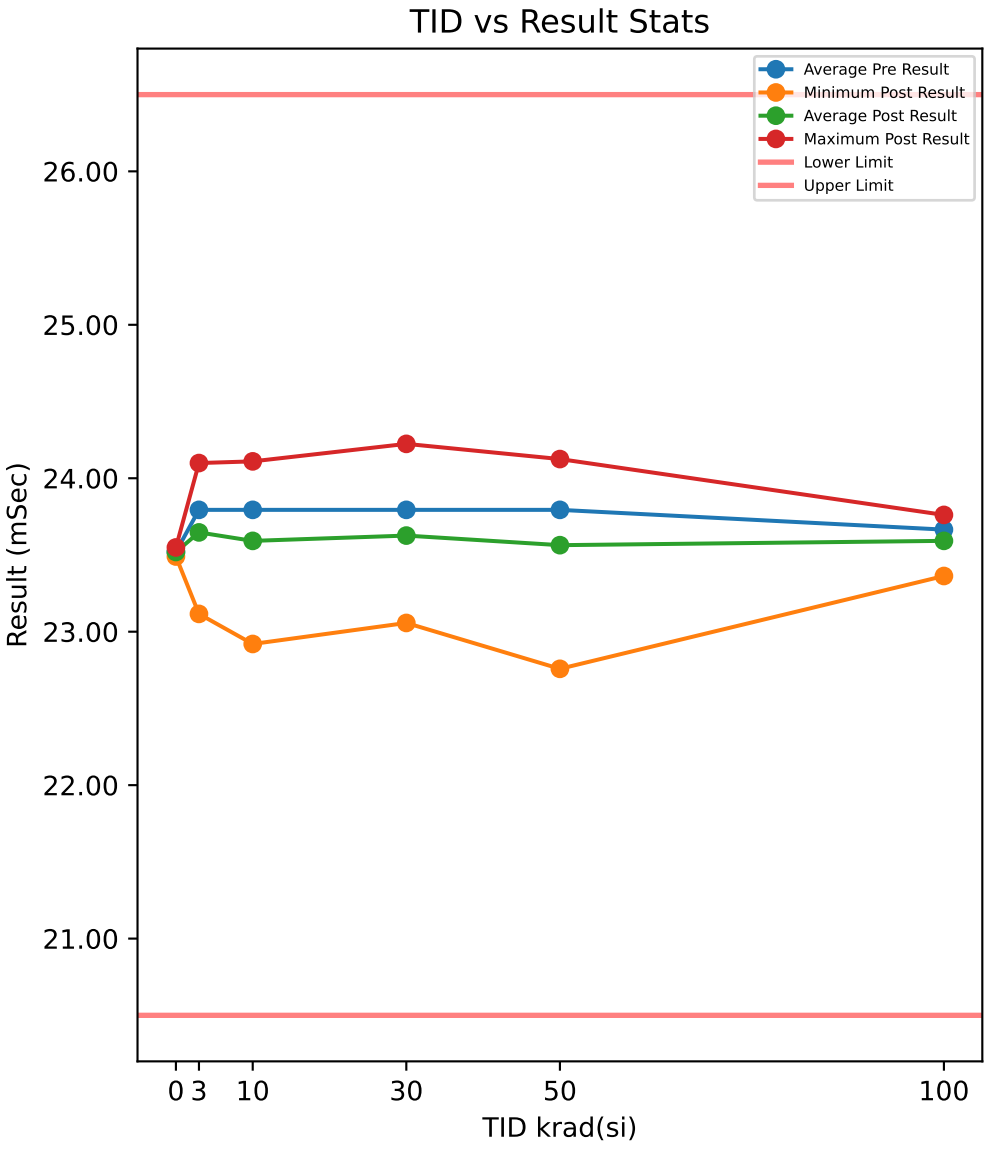

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

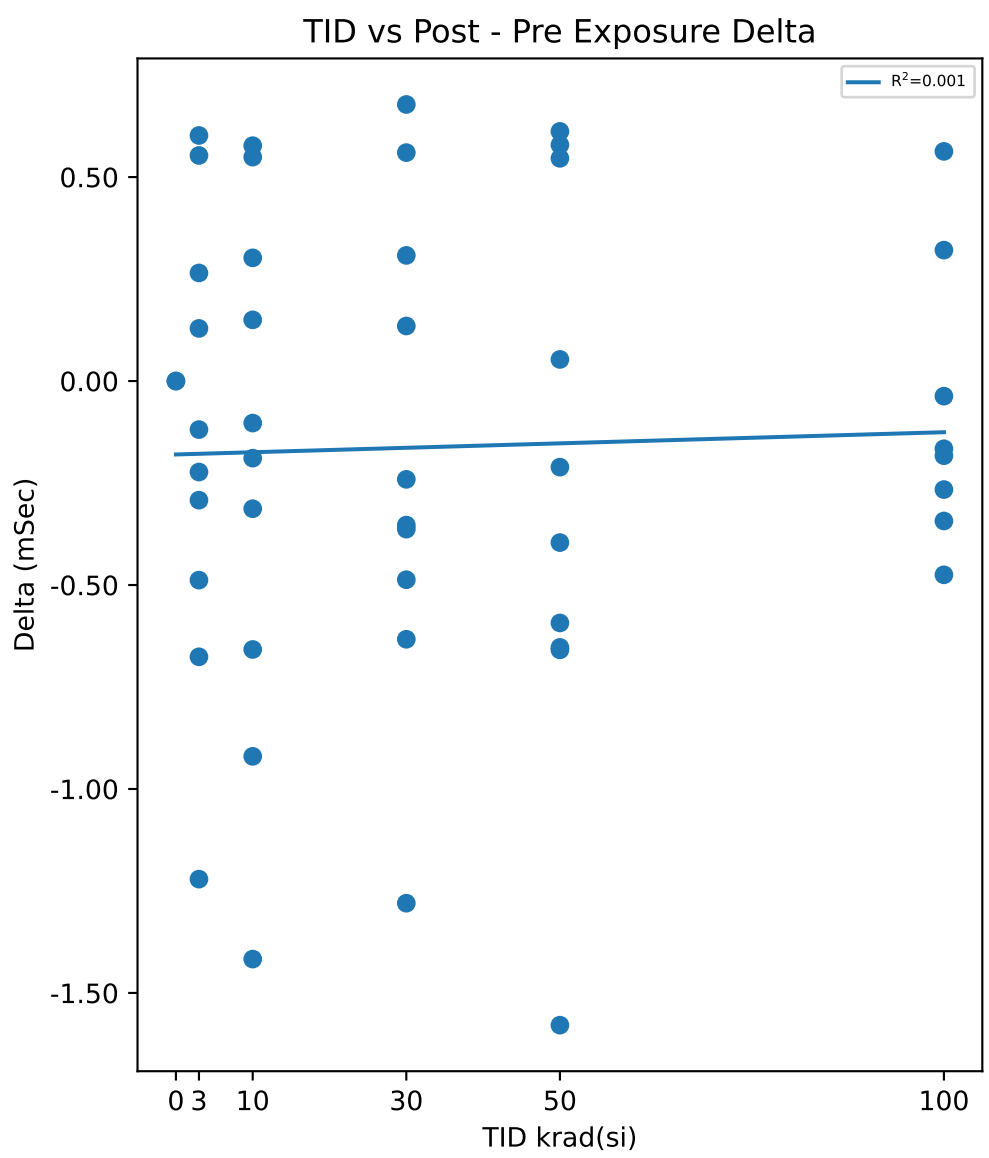
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.758 | 23.758 | 0 |
| 7 | 0 | Correlation | 23.482 | 23.482 | 0 |
| 16 | 3 | LDR-Biased | 24.031 | 23.353 | -0.678 |
| 18 | 3 | LDR-Biased | 23.919 | 24.034 | 0.115 |
| 19 | 3 | LDR-Biased | 24.141 | 23.86 | -0.281 |
| 20 | 3 | LDR-Biased | 23.826 | 23.338 | -0.488 |
| 21 | 3 | LDR-Biased | 23.318 | 23.376 | 0.058 |
| 22 | 3 | LDR-Unbiased | 23.294 | 23.899 | 0.605 |
| 23 | 3 | LDR-Unbiased | 24.208 | 24.091 | -0.117 |
| 25 | 3 | LDR-Unbiased | 24.327 | 23.113 | -1.214 |
| 26 | 3 | LDR-Unbiased | 23.508 | 23.282 | -0.226 |
| 27 | 3 | LDR-Unbiased | 23.546 | 24.09 | 0.544 |
| 46 | 10 | LDR-Biased | 24.031 | 23.115 | -0.916 |
| 48 | 10 | LDR-Biased | 23.919 | 24.09 | 0.171 |
| 49 | 10 | LDR-Biased | 24.141 | 23.839 | -0.302 |
| 50 | 10 | LDR-Biased | 23.826 | 23.375 | -0.451 |
| 51 | 10 | LDR-Biased | 23.318 | 23.403 | 0.085 |
| 52 | 10 | LDR-Unbiased | 23.294 | 23.642 | 0.348 |
| 53 | 10 | LDR-Unbiased | 24.208 | 23.902 | -0.306 |
| 55 | 10 | LDR-Unbiased | 24.327 | 22.931 | -1.396 |
| 56 | 10 | LDR-Unbiased | 23.508 | 23.317 | -0.191 |
| 57 | 10 | LDR-Unbiased | 23.546 | 24.107 | 0.561 |
| 76 | 30 | LDR-Biased | 24.031 | 23.184 | -0.847 |
| 78 | 30 | LDR-Biased | 23.919 | 24.056 | 0.137 |
| 79 | 30 | LDR-Biased | 24.141 | 23.79 | -0.351 |
| 80 | 30 | LDR-Biased | 23.826 | 23.359 | -0.467 |
| 81 | 30 | LDR-Biased | 23.318 | 23.624 | 0.306 |
| 82 | 30 | LDR-Unbiased | 23.294 | 23.851 | 0.557 |
| 83 | 30 | LDR-Unbiased | 24.208 | 24.195 | -0.013 |
| 84 | 30 | LDR-Unbiased | 23.546 | 24.003 | 0.457 |
| 85 | 30 | LDR-Unbiased | 24.327 | 23.052 | -1.275 |
| 86 | 30 | LDR-Unbiased | 23.508 | 23.142 | -0.366 |
| 87 | 100 | LDR-Biased | 23.34 | 23.541 | 0.201 |
| 88 | 100 | LDR-Biased | 24.029 | 23.759 | -0.27 |
| 90 | 100 | LDR-Biased | 23.923 | 23.756 | -0.167 |
| 91 | 100 | LDR-Unbiased | 23.089 | 23.657 | 0.568 |
| 93 | 100 | LDR-Unbiased | 23.32 | 23.431 | 0.111 |
| 94 | 100 | LDR-Unbiased | 24.026 | 23.346 | -0.68 |
| 95 | 100 | LDR-Unbiased | 24.006 | 23.66 | -0.346 |
| 96 | 100 | LDR-Unbiased | 23.524 | 23.362 | -0.162 |
| 106 | 50 | LDR-Biased | 24.031 | 23.364 | -0.667 |
| 108 | 50 | LDR-Biased | 23.919 | 23.954 | 0.035 |
| 109 | 50 | LDR-Biased | 24.141 | 23.701 | -0.44 |
| 110 | 50 | LDR-Biased | 23.826 | 23.44 | -0.386 |
| 111 | 50 | LDR-Biased | 23.318 | 23.659 | 0.341 |
| 112 | 50 | LDR-Unbiased | 23.294 | 23.694 | 0.4 |
| 113 | 50 | LDR-Unbiased | 24.208 | 24.001 | -0.207 |
| 115 | 50 | LDR-Unbiased | 24.327 | 22.747 | -1.58 |
| 116 | 50 | LDR-Unbiased | 23.508 | 23.317 | -0.191 |
| 117 | 50 | LDR-Unbiased | 23.546 | 24.126 | 0.58 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.482 | 23.62 | 23.758 | 0.19516 | 23.482 | 23.62 | 23.758 | 0.19516 | 0 | 0 | 0 | 0 |
| 3 | 23.294 | 23.812 | 24.327 | 0.37497 | 23.113 | 23.644 | 24.091 | 0.38379 | -1.214 | -0.1682 | 0.605 | 0.54884 |
| 10 | 23.294 | 23.812 | 24.327 | 0.37497 | 22.931 | 23.572 | 24.107 | 0.40713 | -1.396 | -0.2397 | 0.561 | 0.58787 |
| 30 | 23.294 | 23.812 | 24.327 | 0.37497 | 23.052 | 23.626 | 24.195 | 0.41616 | -1.275 | -0.1862 | 0.557 | 0.5872 |
| 50 | 23.294 | 23.812 | 24.327 | 0.37497 | 22.747 | 23.6 | 24.126 | 0.40474 | -1.58 | -0.2115 | 0.58 | 0.62626 |
| 100 | 23.089 | 23.657 | 24.029 | 0.382 | 23.346 | 23.564 | 23.759 | 0.16873 | -0.68 | -0.093125 | 0.568 | 0.38081 |

# Device Test: 5.133 tdly_Res1p18M_EN3_SU/EN3/7/3/1.18M/0/0/@DLY_TMR_1MOHM



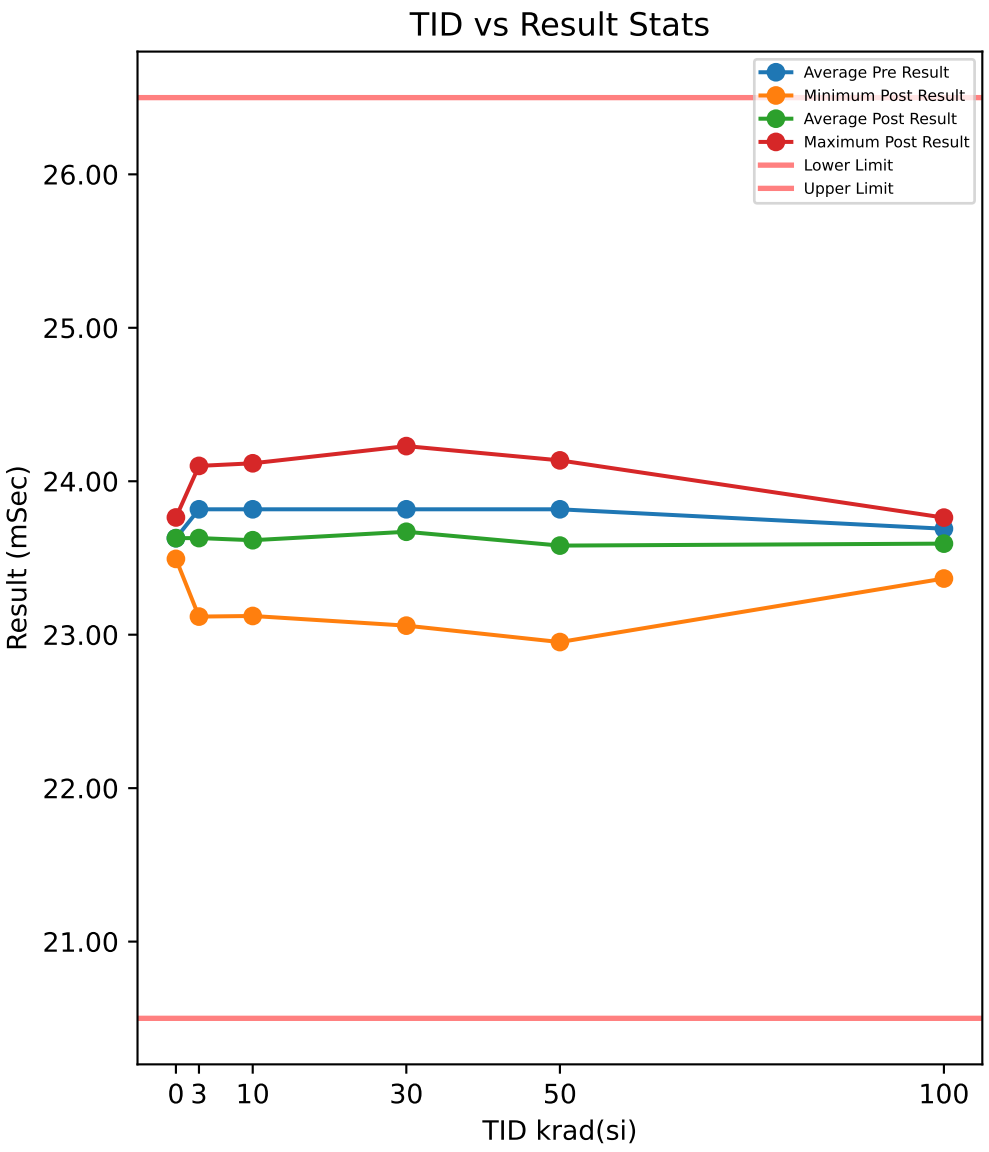

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

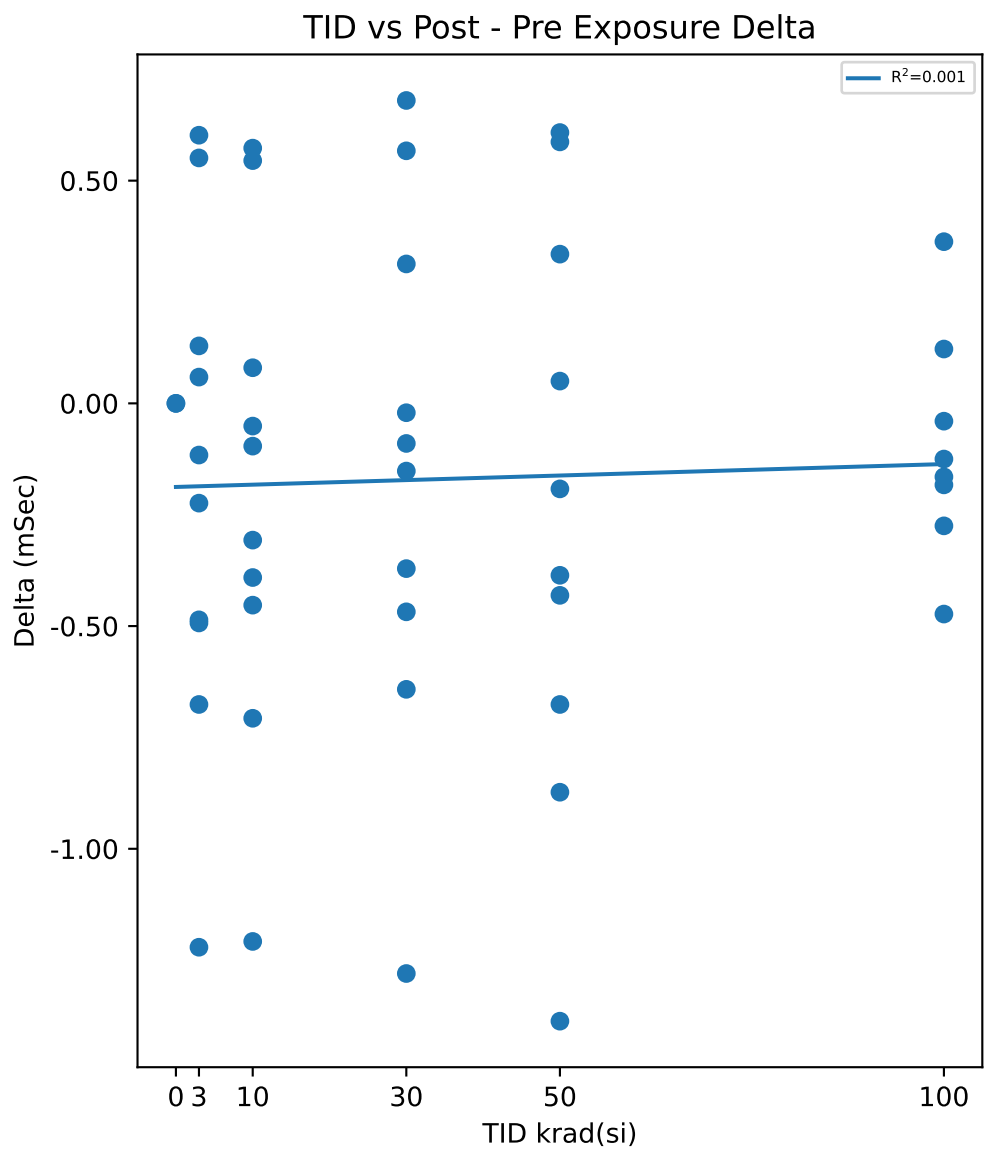
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.549 | 23.549 | 0 |
| 7 | 0 | Correlation | 23.49 | 23.49 | 0 |
| 16 | 3 | LDR-Biased | 24.032 | 23.356 | -0.676 |
| 18 | 3 | LDR-Biased | 23.923 | 24.052 | 0.129 |
| 19 | 3 | LDR-Biased | 24.145 | 23.853 | -0.292 |
| 20 | 3 | LDR-Biased | 23.828 | 23.34 | -0.488 |
| 21 | 3 | LDR-Biased | 23.112 | 23.377 | 0.265 |
| 22 | 3 | LDR-Unbiased | 23.295 | 23.897 | 0.602 |
| 23 | 3 | LDR-Unbiased | 24.213 | 24.094 | -0.119 |
| 25 | 3 | LDR-Unbiased | 24.337 | 23.116 | -1.221 |
| 26 | 3 | LDR-Unbiased | 23.509 | 23.286 | -0.223 |
| 27 | 3 | LDR-Unbiased | 23.546 | 24.099 | 0.553 |
| 46 | 10 | LDR-Biased | 24.032 | 23.112 | -0.92 |
| 48 | 10 | LDR-Biased | 23.923 | 24.073 | 0.15 |
| 49 | 10 | LDR-Biased | 24.145 | 23.832 | -0.313 |
| 50 | 10 | LDR-Biased | 23.828 | 23.17 | -0.658 |
| 51 | 10 | LDR-Biased | 23.112 | 23.414 | 0.302 |
| 52 | 10 | LDR-Unbiased | 23.295 | 23.872 | 0.577 |
| 53 | 10 | LDR-Unbiased | 24.213 | 24.11 | -0.103 |
| 55 | 10 | LDR-Unbiased | 24.337 | 22.92 | -1.417 |
| 56 | 10 | LDR-Unbiased | 23.509 | 23.32 | -0.189 |
| 57 | 10 | LDR-Unbiased | 23.546 | 24.095 | 0.549 |
| 76 | 30 | LDR-Biased | 24.032 | 23.399 | -0.633 |
| 78 | 30 | LDR-Biased | 23.923 | 24.058 | 0.135 |
| 79 | 30 | LDR-Biased | 24.145 | 23.792 | -0.353 |
| 80 | 30 | LDR-Biased | 23.828 | 23.341 | -0.487 |
| 81 | 30 | LDR-Biased | 23.112 | 23.42 | 0.308 |
| 82 | 30 | LDR-Unbiased | 23.295 | 23.855 | 0.56 |
| 83 | 30 | LDR-Unbiased | 24.213 | 23.972 | -0.241 |
| 84 | 30 | LDR-Unbiased | 23.546 | 24.224 | 0.678 |
| 85 | 30 | LDR-Unbiased | 24.337 | 23.057 | -1.28 |
| 86 | 30 | LDR-Unbiased | 23.509 | 23.146 | -0.363 |
| 87 | 100 | LDR-Biased | 23.579 | 23.542 | -0.037 |
| 88 | 100 | LDR-Biased | 24.026 | 23.76 | -0.266 |
| 90 | 100 | LDR-Biased | 23.927 | 23.761 | -0.166 |
| 91 | 100 | LDR-Unbiased | 23.096 | 23.659 | 0.563 |
| 93 | 100 | LDR-Unbiased | 23.109 | 23.43 | 0.321 |
| 94 | 100 | LDR-Unbiased | 24.031 | 23.556 | -0.475 |
| 95 | 100 | LDR-Unbiased | 24.008 | 23.665 | -0.343 |
| 96 | 100 | LDR-Unbiased | 23.546 | 23.363 | -0.183 |
| 106 | 50 | LDR-Biased | 24.032 | 23.373 | -0.659 |
| 108 | 50 | LDR-Biased | 23.923 | 23.976 | 0.053 |
| 109 | 50 | LDR-Biased | 24.145 | 23.492 | -0.653 |
| 110 | 50 | LDR-Biased | 23.828 | 23.235 | -0.593 |
| 111 | 50 | LDR-Biased | 23.112 | 23.658 | 0.546 |
| 112 | 50 | LDR-Unbiased | 23.295 | 23.907 | 0.612 |
| 113 | 50 | LDR-Unbiased | 24.213 | 24.002 | -0.211 |
| 115 | 50 | LDR-Unbiased | 24.337 | 22.758 | -1.579 |
| 116 | 50 | LDR-Unbiased | 23.509 | 23.113 | -0.396 |
| 117 | 50 | LDR-Unbiased | 23.546 | 24.125 | 0.579 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.49 | 23.52 | 23.549 | 0.041719 | 23.49 | 23.52 | 23.549 | 0.041719 | 0 | 0 | 0 | 0 |
| 3 | 23.112 | 23.794 | 24.337 | 0.41162 | 23.116 | 23.647 | 24.099 | 0.38546 | -1.221 | -0.147 | 0.602 | 0.56511 |
| 10 | 23.112 | 23.794 | 24.337 | 0.41162 | 22.92 | 23.592 | 24.11 | 0.45392 | -1.417 | -0.2022 | 0.577 | 0.64728 |
| 30 | 23.112 | 23.794 | 24.337 | 0.41162 | 23.057 | 23.626 | 24.224 | 0.4046 | -1.28 | -0.1676 | 0.678 | 0.59593 |
| 50 | 23.112 | 23.794 | 24.337 | 0.41162 | 22.758 | 23.564 | 24.125 | 0.44793 | -1.579 | -0.2301 | 0.612 | 0.69827 |
| 100 | 23.096 | 23.665 | 24.031 | 0.39732 | 23.363 | 23.592 | 23.761 | 0.14594 | -0.475 | -0.07325 | 0.563 | 0.34919 |

# Device Test: 5.134 tdly_Res1p18M_EN4_SU/EN4/7/3/1.18M/0/0/@DLY_TMR_1MOHM



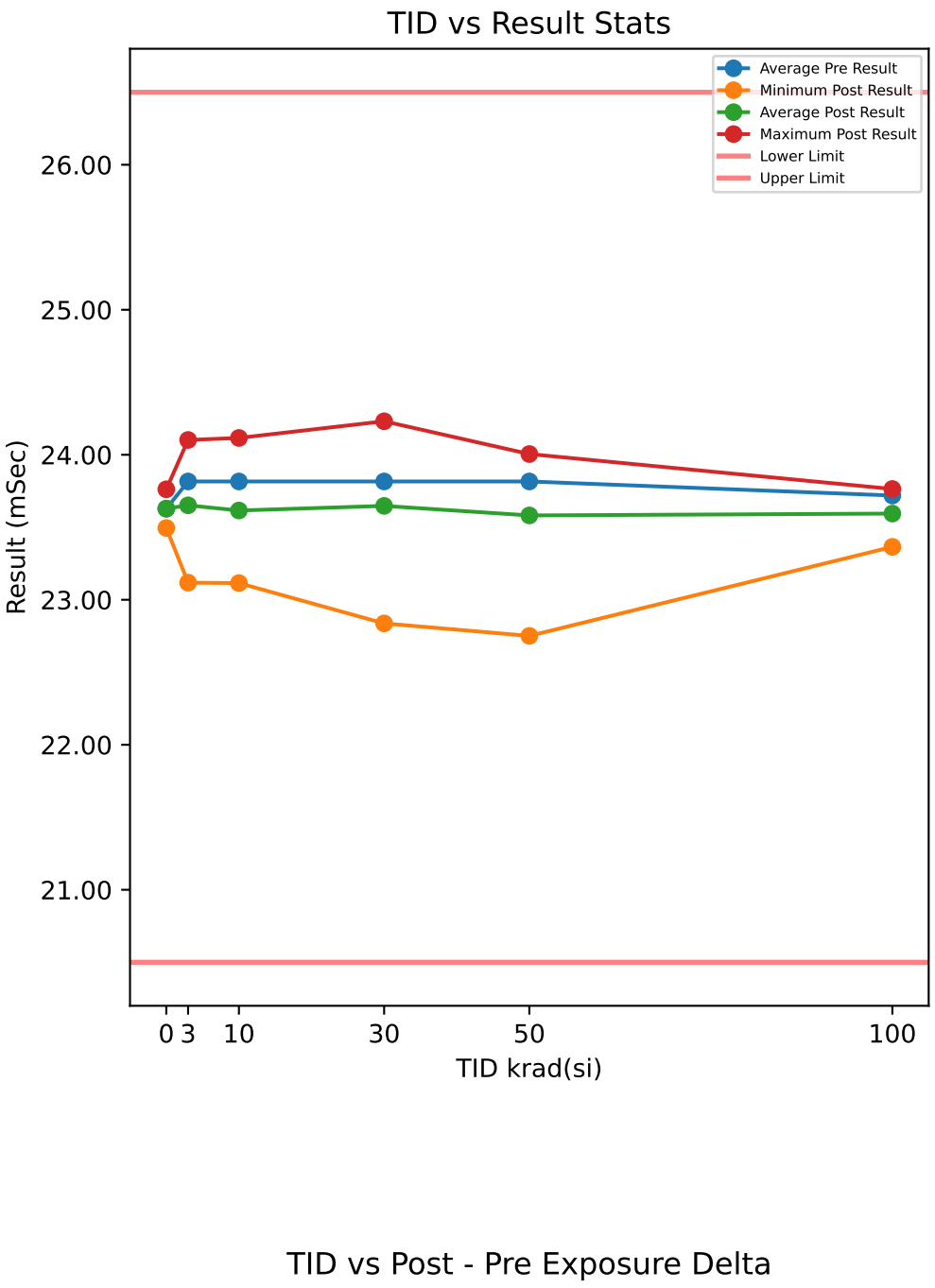

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

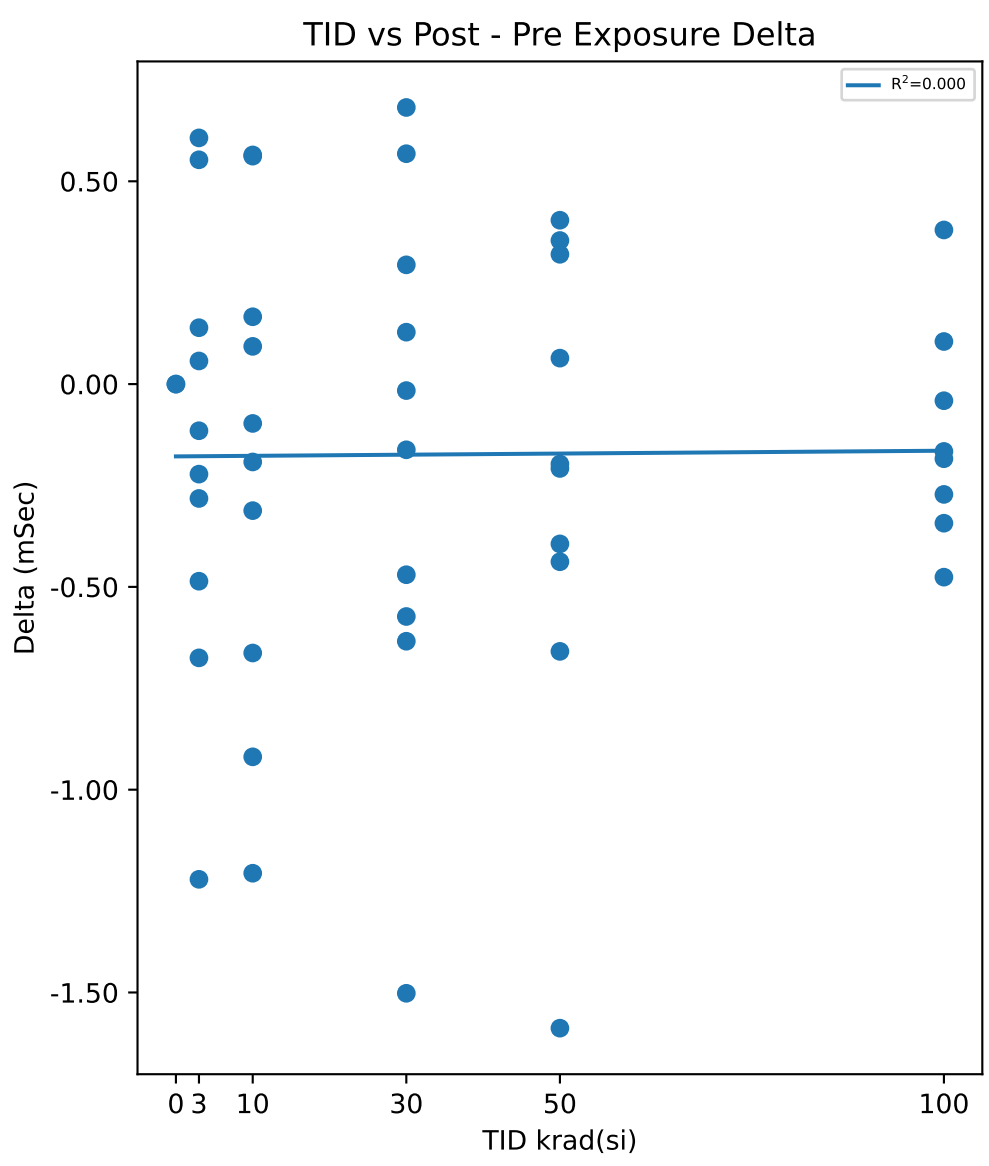
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.764 | 23.764 | 0 |
| 7 | 0 | Correlation | 23.494 | 23.494 | 0 |
| 16 | 3 | LDR-Biased | 24.035 | 23.359 | -0.676 |
| 18 | 3 | LDR-Biased | 23.924 | 24.053 | 0.129 |
| 19 | 3 | LDR-Biased | 24.148 | 23.655 | -0.493 |
| 20 | 3 | LDR-Biased | 23.831 | 23.345 | -0.486 |
| 21 | 3 | LDR-Biased | 23.322 | 23.381 | 0.059 |
| 22 | 3 | LDR-Unbiased | 23.298 | 23.9 | 0.602 |
| 23 | 3 | LDR-Unbiased | 24.213 | 24.097 | -0.116 |
| 25 | 3 | LDR-Unbiased | 24.339 | 23.118 | -1.221 |
| 26 | 3 | LDR-Unbiased | 23.513 | 23.289 | -0.224 |
| 27 | 3 | LDR-Unbiased | 23.549 | 24.1 | 0.551 |
| 46 | 10 | LDR-Biased | 24.035 | 23.328 | -0.707 |
| 48 | 10 | LDR-Biased | 23.924 | 23.873 | -0.051 |
| 49 | 10 | LDR-Biased | 24.148 | 23.841 | -0.307 |
| 50 | 10 | LDR-Biased | 23.831 | 23.378 | -0.453 |
| 51 | 10 | LDR-Biased | 23.322 | 23.402 | 0.08 |
| 52 | 10 | LDR-Unbiased | 23.298 | 23.871 | 0.573 |
| 53 | 10 | LDR-Unbiased | 24.213 | 24.117 | -0.096 |
| 55 | 10 | LDR-Unbiased | 24.339 | 23.131 | -1.208 |
| 56 | 10 | LDR-Unbiased | 23.513 | 23.122 | -0.391 |
| 57 | 10 | LDR-Unbiased | 23.549 | 24.094 | 0.545 |
| 76 | 30 | LDR-Biased | 24.035 | 23.393 | -0.642 |
| 78 | 30 | LDR-Biased | 23.924 | 23.834 | -0.09 |
| 79 | 30 | LDR-Biased | 24.148 | 23.777 | -0.371 |
| 80 | 30 | LDR-Biased | 23.831 | 23.363 | -0.468 |
| 81 | 30 | LDR-Biased | 23.322 | 23.635 | 0.313 |
| 82 | 30 | LDR-Unbiased | 23.298 | 23.865 | 0.567 |
| 83 | 30 | LDR-Unbiased | 24.213 | 24.192 | -0.021 |
| 84 | 30 | LDR-Unbiased | 23.549 | 24.229 | 0.68 |
| 85 | 30 | LDR-Unbiased | 24.339 | 23.059 | -1.28 |
| 86 | 30 | LDR-Unbiased | 23.513 | 23.361 | -0.152 |
| 87 | 100 | LDR-Biased | 23.581 | 23.541 | -0.04 |
| 88 | 100 | LDR-Biased | 24.037 | 23.762 | -0.275 |
| 90 | 100 | LDR-Biased | 23.928 | 23.763 | -0.165 |
| 91 | 100 | LDR-Unbiased | 23.298 | 23.661 | 0.363 |
| 93 | 100 | LDR-Unbiased | 23.31 | 23.432 | 0.122 |
| 94 | 100 | LDR-Unbiased | 24.031 | 23.558 | -0.473 |
| 95 | 100 | LDR-Unbiased | 23.79 | 23.665 | -0.125 |
| 96 | 100 | LDR-Unbiased | 23.549 | 23.366 | -0.183 |
| 106 | 50 | LDR-Biased | 24.035 | 23.162 | -0.873 |
| 108 | 50 | LDR-Biased | 23.924 | 23.974 | 0.05 |
| 109 | 50 | LDR-Biased | 24.148 | 23.472 | -0.676 |
| 110 | 50 | LDR-Biased | 23.831 | 23.445 | -0.386 |
| 111 | 50 | LDR-Biased | 23.322 | 23.657 | 0.335 |
| 112 | 50 | LDR-Unbiased | 23.298 | 23.906 | 0.608 |
| 113 | 50 | LDR-Unbiased | 24.213 | 23.782 | -0.431 |
| 115 | 50 | LDR-Unbiased | 24.339 | 22.952 | -1.387 |
| 116 | 50 | LDR-Unbiased | 23.513 | 23.321 | -0.192 |
| 117 | 50 | LDR-Unbiased | 23.549 | 24.136 | 0.587 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.494 | 23.629 | 23.764 | 0.19092 | 23.494 | 23.629 | 23.764 | 0.19092 | 0 | 0 | 0 | 0 |
| 3 | 23.298 | 23.817 | 24.339 | 0.37663 | 23.118 | 23.63 | 24.1 | 0.37808 | -1.221 | -0.1875 | 0.602 | 0.56028 |
| 10 | 23.298 | 23.817 | 24.339 | 0.37663 | 23.122 | 23.616 | 24.117 | 0.38382 | -1.208 | -0.2015 | 0.573 | 0.54253 |
| 30 | 23.298 | 23.817 | 24.339 | 0.37663 | 23.059 | 23.671 | 24.229 | 0.3804 | -1.28 | -0.1464 | 0.68 | 0.5875 |
| 50 | 23.298 | 23.817 | 24.339 | 0.37663 | 22.952 | 23.581 | 24.136 | 0.37763 | -1.387 | -0.2365 | 0.608 | 0.64843 |
| 100 | 23.298 | 23.691 | 24.037 | 0.30075 | 23.366 | 23.593 | 23.763 | 0.14572 | -0.473 | -0.097 | 0.363 | 0.25317 |

# Device Test: 5.135 tdly_Res1p18M_SEQ_SU/SEQ_DONE/7/3/1.18M/0/0/@DLY_TMR_1MOHM



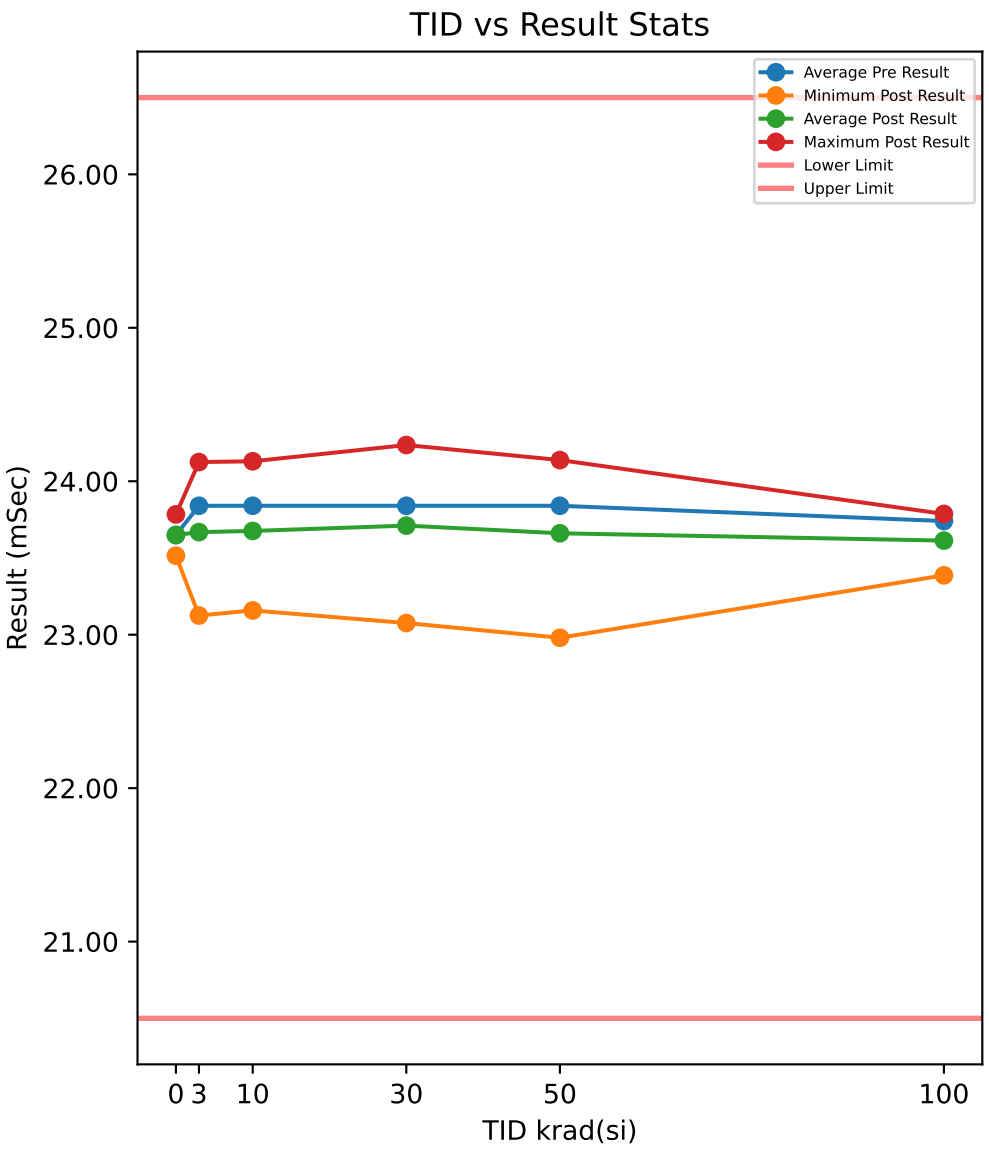

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

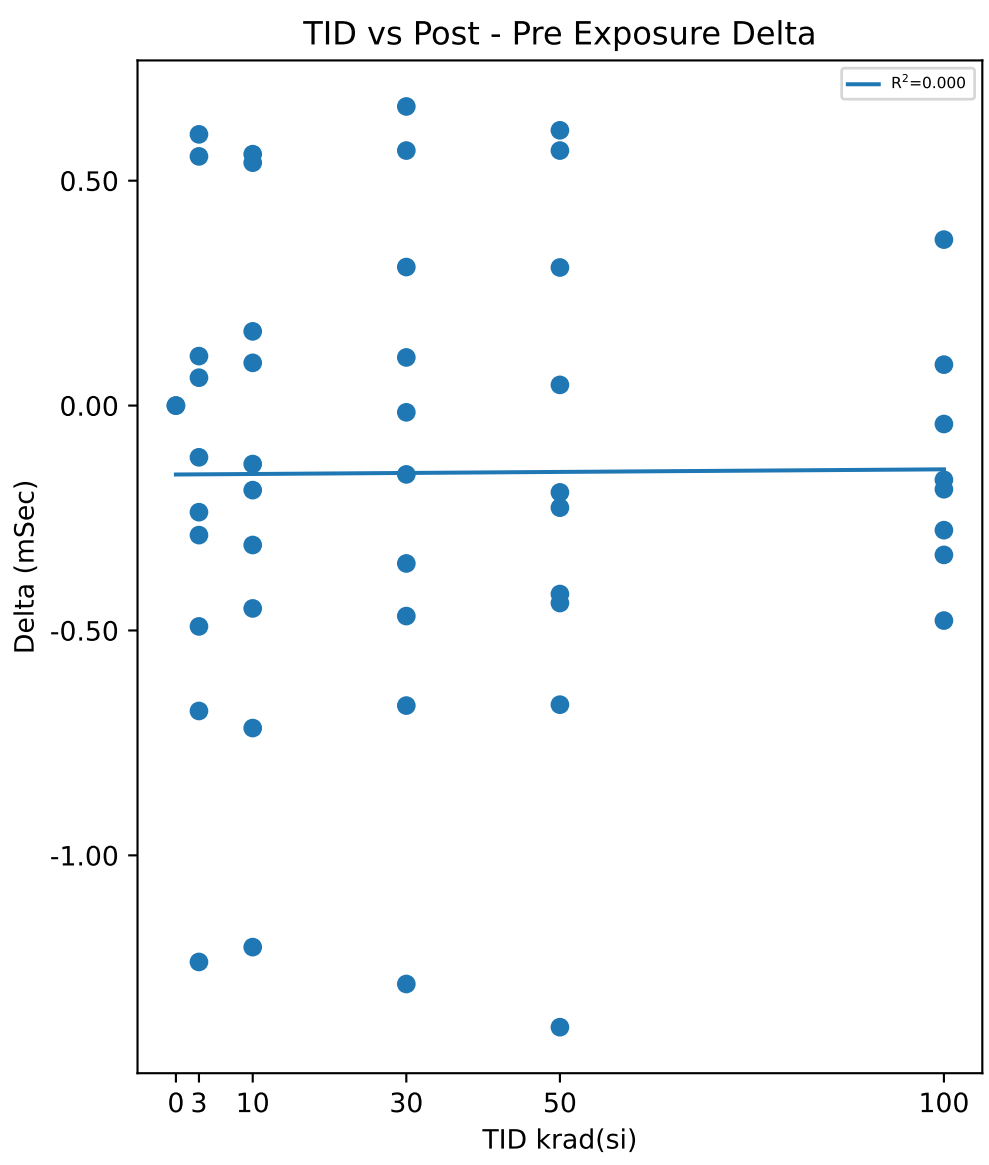
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.762 | 23.762 | 0 |
| 7 | 0 | Correlation | 23.495 | 23.495 | 0 |
| 16 | 3 | LDR-Biased | 24.034 | 23.359 | -0.675 |
| 18 | 3 | LDR-Biased | 23.914 | 24.053 | 0.139 |
| 19 | 3 | LDR-Biased | 24.147 | 23.865 | -0.282 |
| 20 | 3 | LDR-Biased | 23.83 | 23.344 | -0.486 |
| 21 | 3 | LDR-Biased | 23.324 | 23.381 | 0.057 |
| 22 | 3 | LDR-Unbiased | 23.298 | 23.905 | 0.607 |
| 23 | 3 | LDR-Unbiased | 24.213 | 24.098 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.339 | 23.118 | -1.221 |
| 26 | 3 | LDR-Unbiased | 23.511 | 23.289 | -0.222 |
| 27 | 3 | LDR-Unbiased | 23.549 | 24.102 | 0.553 |
| 46 | 10 | LDR-Biased | 24.034 | 23.115 | -0.919 |
| 48 | 10 | LDR-Biased | 23.914 | 24.08 | 0.166 |
| 49 | 10 | LDR-Biased | 24.147 | 23.835 | -0.312 |
| 50 | 10 | LDR-Biased | 23.83 | 23.167 | -0.663 |
| 51 | 10 | LDR-Biased | 23.324 | 23.417 | 0.093 |
| 52 | 10 | LDR-Unbiased | 23.298 | 23.863 | 0.565 |
| 53 | 10 | LDR-Unbiased | 24.213 | 24.116 | -0.097 |
| 55 | 10 | LDR-Unbiased | 24.339 | 23.133 | -1.206 |
| 56 | 10 | LDR-Unbiased | 23.511 | 23.319 | -0.192 |
| 57 | 10 | LDR-Unbiased | 23.549 | 24.111 | 0.562 |
| 76 | 30 | LDR-Biased | 24.034 | 23.4 | -0.634 |
| 78 | 30 | LDR-Biased | 23.914 | 24.042 | 0.128 |
| 79 | 30 | LDR-Biased | 24.147 | 23.574 | -0.573 |
| 80 | 30 | LDR-Biased | 23.83 | 23.36 | -0.47 |
| 81 | 30 | LDR-Biased | 23.324 | 23.618 | 0.294 |
| 82 | 30 | LDR-Unbiased | 23.298 | 23.866 | 0.568 |
| 83 | 30 | LDR-Unbiased | 24.213 | 24.197 | -0.016 |
| 84 | 30 | LDR-Unbiased | 23.549 | 24.231 | 0.682 |
| 85 | 30 | LDR-Unbiased | 24.339 | 22.837 | -1.502 |
| 86 | 30 | LDR-Unbiased | 23.511 | 23.349 | -0.162 |
| 87 | 100 | LDR-Biased | 23.584 | 23.543 | -0.041 |
| 88 | 100 | LDR-Biased | 24.036 | 23.764 | -0.272 |
| 90 | 100 | LDR-Biased | 23.93 | 23.764 | -0.166 |
| 91 | 100 | LDR-Unbiased | 23.285 | 23.665 | 0.38 |
| 93 | 100 | LDR-Unbiased | 23.325 | 23.43 | 0.105 |
| 94 | 100 | LDR-Unbiased | 24.033 | 23.557 | -0.476 |
| 95 | 100 | LDR-Unbiased | 24.01 | 23.667 | -0.343 |
| 96 | 100 | LDR-Unbiased | 23.549 | 23.365 | -0.184 |
| 106 | 50 | LDR-Biased | 24.034 | 23.375 | -0.659 |
| 108 | 50 | LDR-Biased | 23.914 | 23.978 | 0.064 |
| 109 | 50 | LDR-Biased | 24.147 | 23.709 | -0.438 |
| 110 | 50 | LDR-Biased | 23.83 | 23.436 | -0.394 |
| 111 | 50 | LDR-Biased | 23.324 | 23.644 | 0.32 |
| 112 | 50 | LDR-Unbiased | 23.298 | 23.702 | 0.404 |
| 113 | 50 | LDR-Unbiased | 24.213 | 24.005 | -0.208 |
| 115 | 50 | LDR-Unbiased | 24.339 | 22.751 | -1.588 |
| 116 | 50 | LDR-Unbiased | 23.511 | 23.314 | -0.197 |
| 117 | 50 | LDR-Unbiased | 23.549 | 23.903 | 0.354 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.495 | 23.629 | 23.762 | 0.1888 | 23.495 | 23.629 | 23.762 | 0.1888 | 0 | 0 | 0 | 0 |
| 3 | 23.298 | 23.816 | 24.339 | 0.37605 | 23.118 | 23.651 | 24.102 | 0.38625 | -1.221 | -0.1645 | 0.607 | 0.55286 |
| 10 | 23.298 | 23.816 | 24.339 | 0.37605 | 23.115 | 23.616 | 24.116 | 0.42596 | -1.206 | -0.2003 | 0.565 | 0.59182 |
| 30 | 23.298 | 23.816 | 24.339 | 0.37605 | 22.837 | 23.647 | 24.231 | 0.43995 | -1.502 | -0.1685 | 0.682 | 0.65323 |
| 50 | 23.298 | 23.816 | 24.339 | 0.37605 | 22.751 | 23.582 | 24.005 | 0.38002 | -1.588 | -0.2342 | 0.404 | 0.59923 |
| 100 | 23.285 | 23.719 | 24.036 | 0.32049 | 23.365 | 23.594 | 23.764 | 0.1471 | -0.476 | -0.12463 | 0.38 | 0.27058 |

# Device Test: 5.136 tdly_Res1p18M_PWRGD_SU/PWRGD/7/3/1.18M/0/0/@DLY_TMR_1MOHM



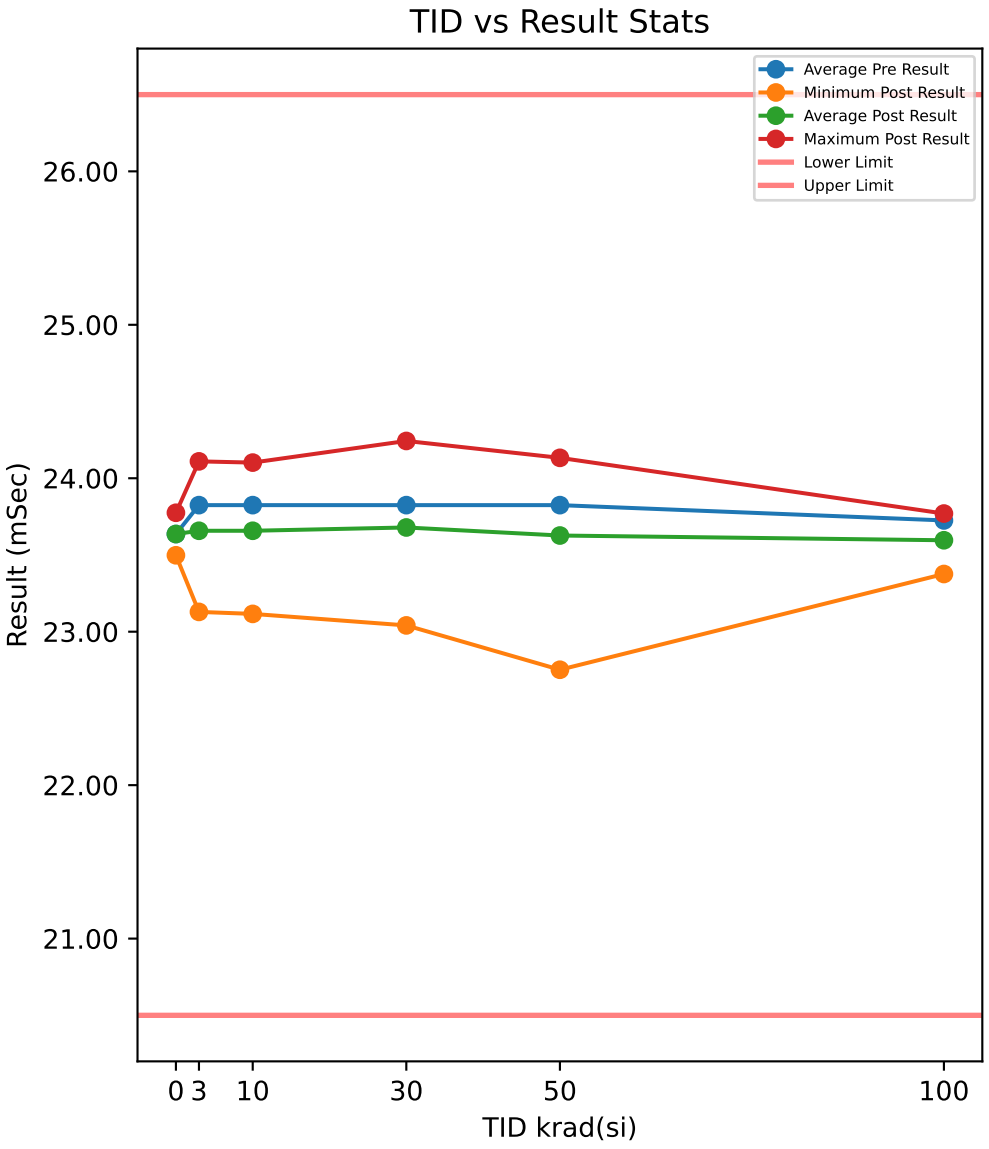

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

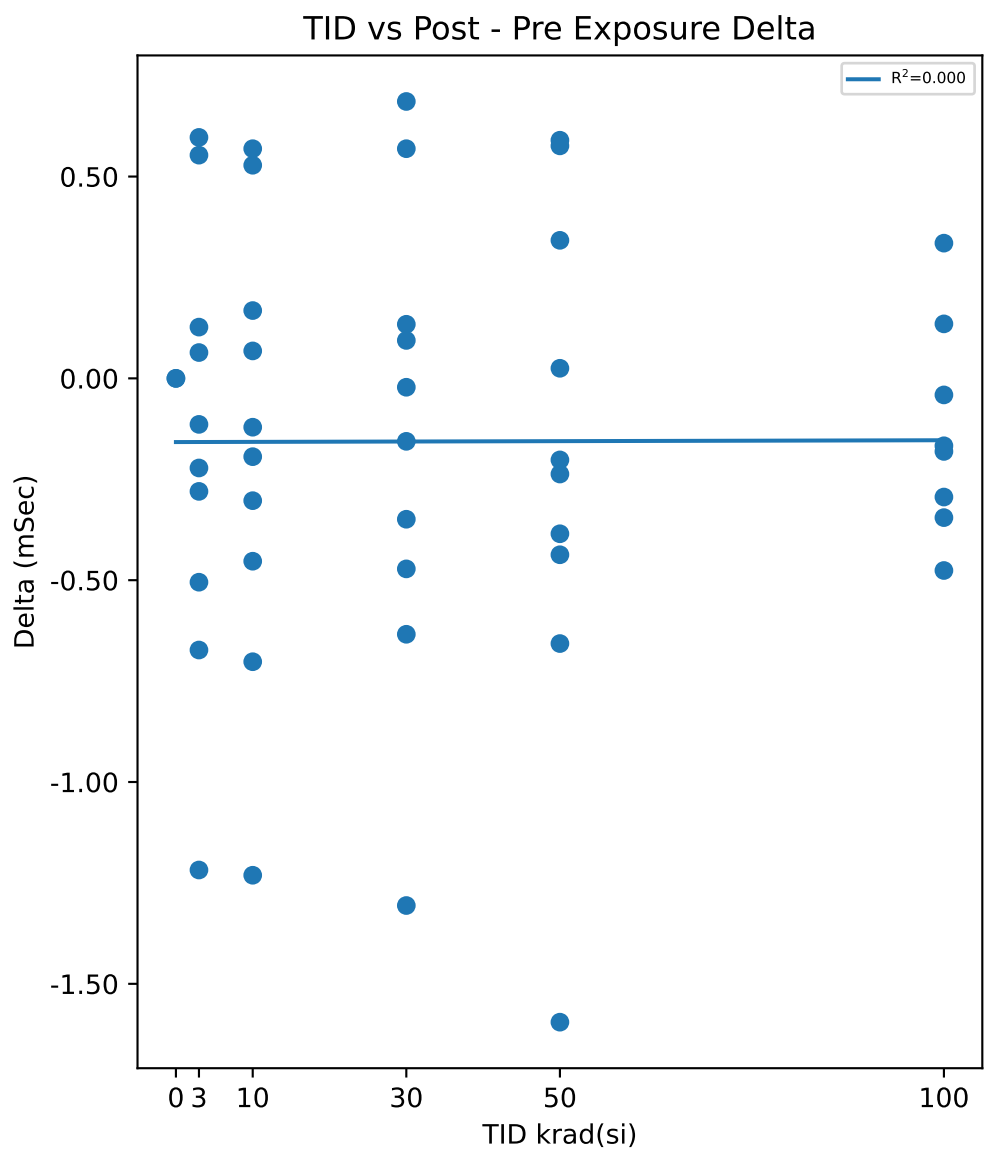
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.784 | 23.784 | 0 |
| 7 | 0 | Correlation | 23.515 | 23.515 | 0 |
| 16 | 3 | LDR-Biased | 24.058 | 23.379 | -0.679 |
| 18 | 3 | LDR-Biased | 23.949 | 24.059 | 0.11 |
| 19 | 3 | LDR-Biased | 24.171 | 23.883 | -0.288 |
| 20 | 3 | LDR-Biased | 23.854 | 23.363 | -0.491 |
| 21 | 3 | LDR-Biased | 23.345 | 23.407 | 0.062 |
| 22 | 3 | LDR-Unbiased | 23.321 | 23.924 | 0.603 |
| 23 | 3 | LDR-Unbiased | 24.236 | 24.121 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.362 | 23.125 | -1.237 |
| 26 | 3 | LDR-Unbiased | 23.535 | 23.298 | -0.237 |
| 27 | 3 | LDR-Unbiased | 23.571 | 24.125 | 0.554 |
| 46 | 10 | LDR-Biased | 24.058 | 23.341 | -0.717 |
| 48 | 10 | LDR-Biased | 23.949 | 24.114 | 0.165 |
| 49 | 10 | LDR-Biased | 24.171 | 23.861 | -0.31 |
| 50 | 10 | LDR-Biased | 23.854 | 23.403 | -0.451 |
| 51 | 10 | LDR-Biased | 23.345 | 23.44 | 0.095 |
| 52 | 10 | LDR-Unbiased | 23.321 | 23.861 | 0.54 |
| 53 | 10 | LDR-Unbiased | 24.236 | 24.106 | -0.13 |
| 55 | 10 | LDR-Unbiased | 24.362 | 23.158 | -1.204 |
| 56 | 10 | LDR-Unbiased | 23.535 | 23.347 | -0.188 |
| 57 | 10 | LDR-Unbiased | 23.571 | 24.13 | 0.559 |
| 76 | 30 | LDR-Biased | 24.058 | 23.391 | -0.667 |
| 78 | 30 | LDR-Biased | 23.949 | 24.056 | 0.107 |
| 79 | 30 | LDR-Biased | 24.171 | 23.82 | -0.351 |
| 80 | 30 | LDR-Biased | 23.854 | 23.386 | -0.468 |
| 81 | 30 | LDR-Biased | 23.345 | 23.653 | 0.308 |
| 82 | 30 | LDR-Unbiased | 23.321 | 23.888 | 0.567 |
| 83 | 30 | LDR-Unbiased | 24.236 | 24.221 | -0.015 |
| 84 | 30 | LDR-Unbiased | 23.571 | 24.236 | 0.665 |
| 85 | 30 | LDR-Unbiased | 24.362 | 23.076 | -1.286 |
| 86 | 30 | LDR-Unbiased | 23.535 | 23.382 | -0.153 |
| 87 | 100 | LDR-Biased | 23.606 | 23.565 | -0.041 |
| 88 | 100 | LDR-Biased | 24.06 | 23.783 | -0.277 |
| 90 | 100 | LDR-Biased | 23.952 | 23.787 | -0.165 |
| 91 | 100 | LDR-Unbiased | 23.315 | 23.684 | 0.369 |
| 93 | 100 | LDR-Unbiased | 23.347 | 23.438 | 0.091 |
| 94 | 100 | LDR-Unbiased | 24.056 | 23.578 | -0.478 |
| 95 | 100 | LDR-Unbiased | 24.017 | 23.685 | -0.332 |
| 96 | 100 | LDR-Unbiased | 23.573 | 23.387 | -0.186 |
| 106 | 50 | LDR-Biased | 24.058 | 23.393 | -0.665 |
| 108 | 50 | LDR-Biased | 23.949 | 23.995 | 0.046 |
| 109 | 50 | LDR-Biased | 24.171 | 23.732 | -0.439 |
| 110 | 50 | LDR-Biased | 23.854 | 23.435 | -0.419 |
| 111 | 50 | LDR-Biased | 23.345 | 23.652 | 0.307 |
| 112 | 50 | LDR-Unbiased | 23.321 | 23.933 | 0.612 |
| 113 | 50 | LDR-Unbiased | 24.236 | 24.009 | -0.227 |
| 115 | 50 | LDR-Unbiased | 24.362 | 22.98 | -1.382 |
| 116 | 50 | LDR-Unbiased | 23.535 | 23.342 | -0.193 |
| 117 | 50 | LDR-Unbiased | 23.571 | 24.138 | 0.567 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.515 | 23.649 | 23.784 | 0.19021 | 23.515 | 23.649 | 23.784 | 0.19021 | 0 | 0 | 0 | 0 |
| 3 | 23.321 | 23.84 | 24.362 | 0.37686 | 23.125 | 23.668 | 24.125 | 0.38803 | -1.237 | -0.1718 | 0.603 | 0.55537 |
| 10 | 23.321 | 23.84 | 24.362 | 0.37686 | 23.158 | 23.676 | 24.13 | 0.3757 | -1.204 | -0.1641 | 0.559 | 0.54635 |
| 30 | 23.321 | 23.84 | 24.362 | 0.37686 | 23.076 | 23.711 | 24.236 | 0.39733 | -1.286 | -0.1293 | 0.665 | 0.59324 |
| 50 | 23.321 | 23.84 | 24.362 | 0.37686 | 22.98 | 23.661 | 24.138 | 0.36934 | -1.382 | -0.1793 | 0.612 | 0.6037 |
| 100 | 23.315 | 23.741 | 24.06 | 0.31732 | 23.387 | 23.613 | 23.787 | 0.14863 | -0.478 | -0.12738 | 0.369 | 0.26554 |

# Device Test: 5.137 tdly_Res1p18M_EN1_SD/EN1/7/3/1.18M/0/0/@DLY_TMR_1MOHM



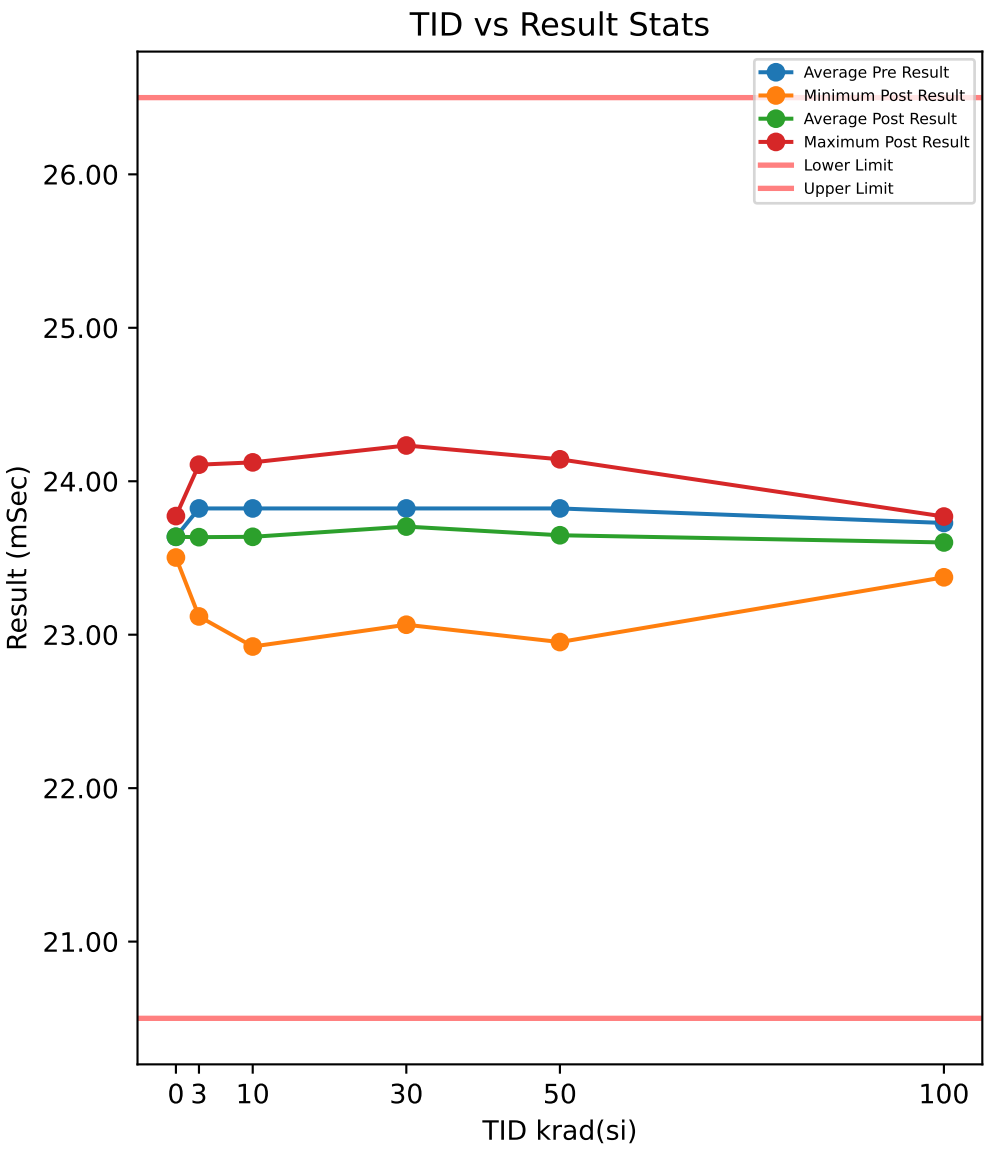

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

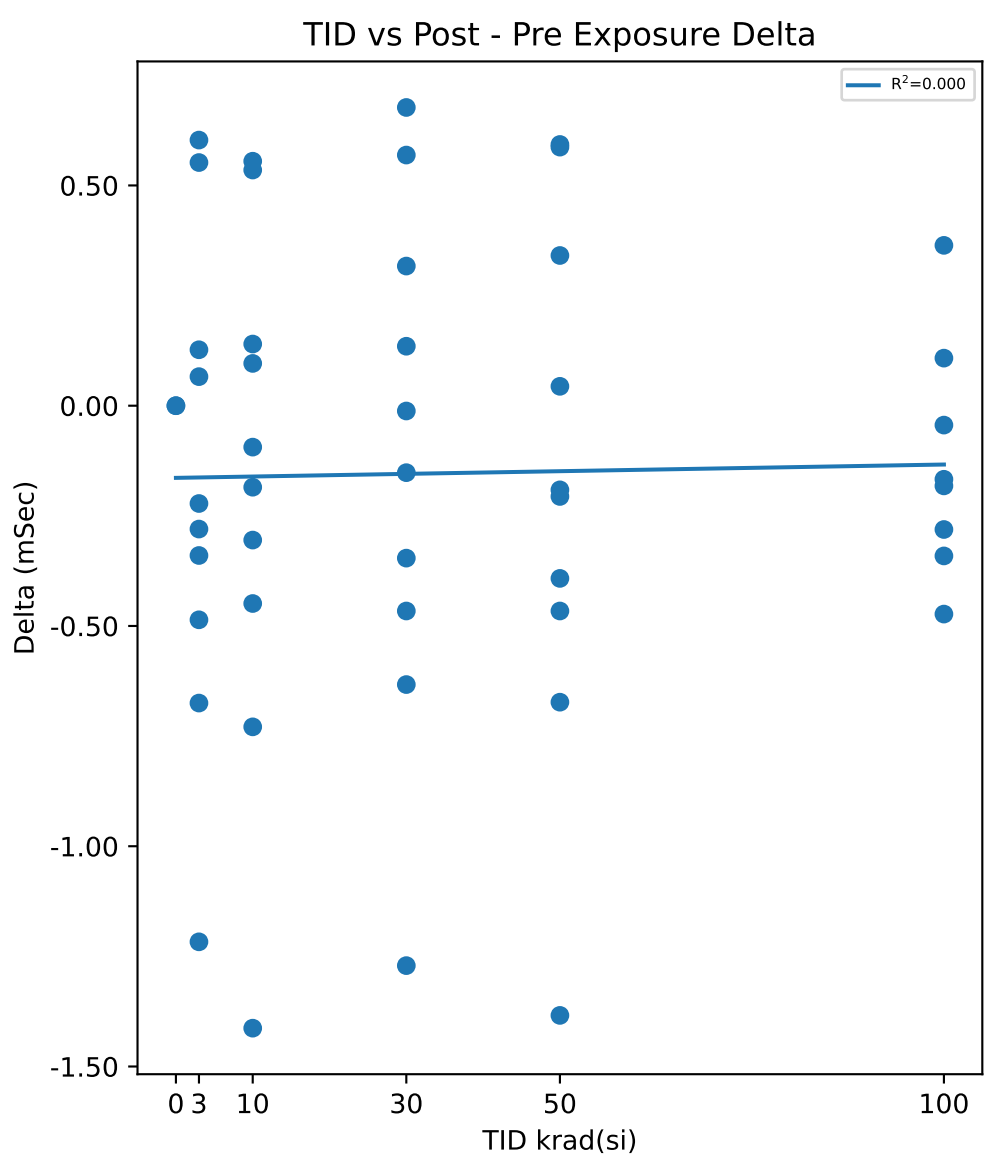
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.775 | 23.775 | 0 |
| 7 | 0 | Correlation | 23.498 | 23.498 | 0 |
| 16 | 3 | LDR-Biased | 24.041 | 23.368 | -0.673 |
| 18 | 3 | LDR-Biased | 23.934 | 24.061 | 0.127 |
| 19 | 3 | LDR-Biased | 24.155 | 23.875 | -0.28 |
| 20 | 3 | LDR-Biased | 23.838 | 23.333 | -0.505 |
| 21 | 3 | LDR-Biased | 23.33 | 23.394 | 0.064 |
| 22 | 3 | LDR-Unbiased | 23.306 | 23.903 | 0.597 |
| 23 | 3 | LDR-Unbiased | 24.221 | 24.107 | -0.114 |
| 25 | 3 | LDR-Unbiased | 24.347 | 23.129 | -1.218 |
| 26 | 3 | LDR-Unbiased | 23.519 | 23.297 | -0.222 |
| 27 | 3 | LDR-Unbiased | 23.557 | 24.11 | 0.553 |
| 46 | 10 | LDR-Biased | 24.041 | 23.339 | -0.702 |
| 48 | 10 | LDR-Biased | 23.934 | 24.102 | 0.168 |
| 49 | 10 | LDR-Biased | 24.155 | 23.852 | -0.303 |
| 50 | 10 | LDR-Biased | 23.838 | 23.385 | -0.453 |
| 51 | 10 | LDR-Biased | 23.33 | 23.398 | 0.068 |
| 52 | 10 | LDR-Unbiased | 23.306 | 23.875 | 0.569 |
| 53 | 10 | LDR-Unbiased | 24.221 | 24.1 | -0.121 |
| 55 | 10 | LDR-Unbiased | 24.347 | 23.116 | -1.231 |
| 56 | 10 | LDR-Unbiased | 23.519 | 23.325 | -0.194 |
| 57 | 10 | LDR-Unbiased | 23.557 | 24.085 | 0.528 |
| 76 | 30 | LDR-Biased | 24.041 | 23.407 | -0.634 |
| 78 | 30 | LDR-Biased | 23.934 | 24.068 | 0.134 |
| 79 | 30 | LDR-Biased | 24.155 | 23.806 | -0.349 |
| 80 | 30 | LDR-Biased | 23.838 | 23.366 | -0.472 |
| 81 | 30 | LDR-Biased | 23.33 | 23.424 | 0.094 |
| 82 | 30 | LDR-Unbiased | 23.306 | 23.875 | 0.569 |
| 83 | 30 | LDR-Unbiased | 24.221 | 24.199 | -0.022 |
| 84 | 30 | LDR-Unbiased | 23.557 | 24.243 | 0.686 |
| 85 | 30 | LDR-Unbiased | 24.347 | 23.041 | -1.306 |
| 86 | 30 | LDR-Unbiased | 23.519 | 23.363 | -0.156 |
| 87 | 100 | LDR-Biased | 23.593 | 23.552 | -0.041 |
| 88 | 100 | LDR-Biased | 24.041 | 23.747 | -0.294 |
| 90 | 100 | LDR-Biased | 23.937 | 23.77 | -0.167 |
| 91 | 100 | LDR-Unbiased | 23.306 | 23.641 | 0.335 |
| 93 | 100 | LDR-Unbiased | 23.306 | 23.441 | 0.135 |
| 94 | 100 | LDR-Unbiased | 24.042 | 23.566 | -0.476 |
| 95 | 100 | LDR-Unbiased | 24.019 | 23.674 | -0.345 |
| 96 | 100 | LDR-Unbiased | 23.557 | 23.376 | -0.181 |
| 106 | 50 | LDR-Biased | 24.041 | 23.384 | -0.657 |
| 108 | 50 | LDR-Biased | 23.934 | 23.959 | 0.025 |
| 109 | 50 | LDR-Biased | 24.155 | 23.718 | -0.437 |
| 110 | 50 | LDR-Biased | 23.838 | 23.453 | -0.385 |
| 111 | 50 | LDR-Biased | 23.33 | 23.672 | 0.342 |
| 112 | 50 | LDR-Unbiased | 23.306 | 23.896 | 0.59 |
| 113 | 50 | LDR-Unbiased | 24.221 | 23.984 | -0.237 |
| 115 | 50 | LDR-Unbiased | 24.347 | 22.752 | -1.595 |
| 116 | 50 | LDR-Unbiased | 23.519 | 23.317 | -0.202 |
| 117 | 50 | LDR-Unbiased | 23.557 | 24.133 | 0.576 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.498 | 23.636 | 23.775 | 0.19587 | 23.498 | 23.636 | 23.775 | 0.19587 | 0 | 0 | 0 | 0 |
| 3 | 23.306 | 23.825 | 24.347 | 0.37664 | 23.129 | 23.658 | 24.11 | 0.38658 | -1.218 | -0.1671 | 0.597 | 0.5513 |
| 10 | 23.306 | 23.825 | 24.347 | 0.37664 | 23.116 | 23.658 | 24.102 | 0.38124 | -1.231 | -0.1671 | 0.569 | 0.5491 |
| 30 | 23.306 | 23.825 | 24.347 | 0.37664 | 23.041 | 23.679 | 24.243 | 0.41342 | -1.306 | -0.1456 | 0.686 | 0.58558 |
| 50 | 23.306 | 23.825 | 24.347 | 0.37664 | 22.752 | 23.627 | 24.133 | 0.41196 | -1.595 | -0.198 | 0.59 | 0.65126 |
| 100 | 23.306 | 23.725 | 24.042 | 0.3226 | 23.376 | 23.596 | 23.77 | 0.13962 | -0.476 | -0.12925 | 0.335 | 0.26489 |

# Device Test: 5.138 tdly_Res1p18M_EN2_SD/EN2/7/3/1.18M/0/0/@DLY_TMR_1MOHM



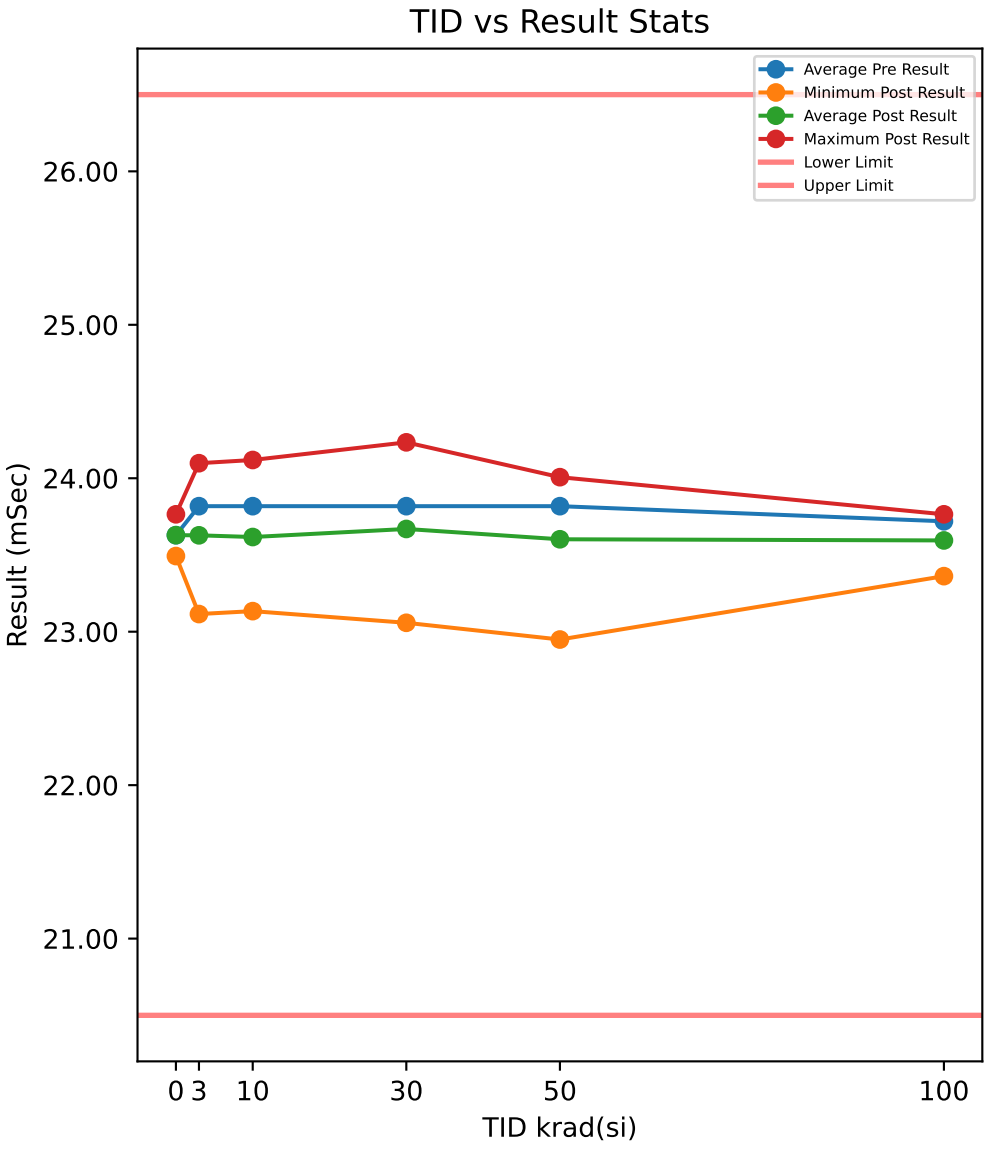

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

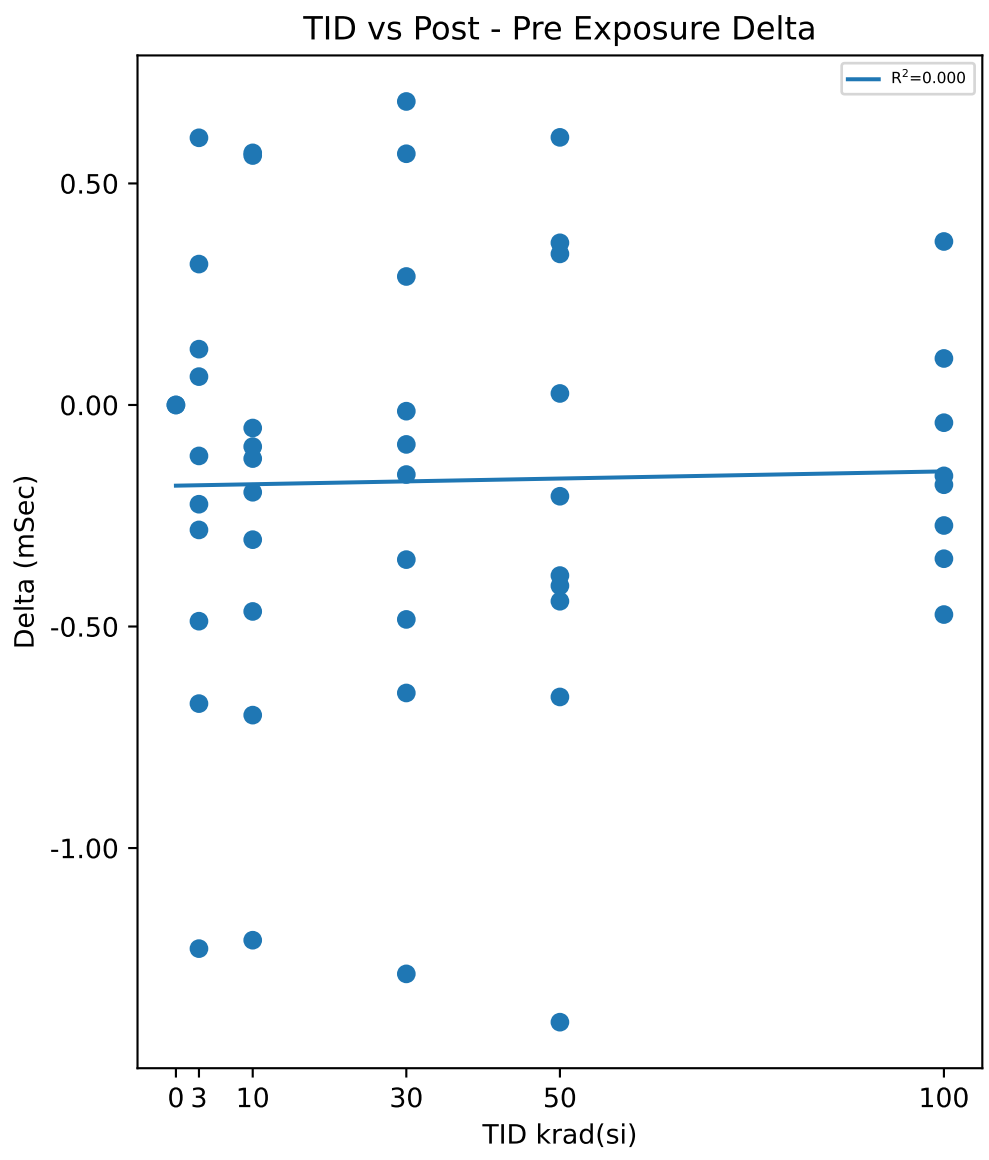
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.773 | 23.773 | 0 |
| 7 | 0 | Correlation | 23.503 | 23.503 | 0 |
| 16 | 3 | LDR-Biased | 24.041 | 23.366 | -0.675 |
| 18 | 3 | LDR-Biased | 23.933 | 24.06 | 0.127 |
| 19 | 3 | LDR-Biased | 24.154 | 23.874 | -0.28 |
| 20 | 3 | LDR-Biased | 23.838 | 23.352 | -0.486 |
| 21 | 3 | LDR-Biased | 23.328 | 23.394 | 0.066 |
| 22 | 3 | LDR-Unbiased | 23.305 | 23.908 | 0.603 |
| 23 | 3 | LDR-Unbiased | 24.217 | 23.877 | -0.34 |
| 25 | 3 | LDR-Unbiased | 24.336 | 23.119 | -1.217 |
| 26 | 3 | LDR-Unbiased | 23.52 | 23.298 | -0.222 |
| 27 | 3 | LDR-Unbiased | 23.556 | 24.108 | 0.552 |
| 46 | 10 | LDR-Biased | 24.041 | 23.312 | -0.729 |
| 48 | 10 | LDR-Biased | 23.933 | 24.073 | 0.14 |
| 49 | 10 | LDR-Biased | 24.154 | 23.849 | -0.305 |
| 50 | 10 | LDR-Biased | 23.838 | 23.389 | -0.449 |
| 51 | 10 | LDR-Biased | 23.328 | 23.424 | 0.096 |
| 52 | 10 | LDR-Unbiased | 23.305 | 23.86 | 0.555 |
| 53 | 10 | LDR-Unbiased | 24.217 | 24.123 | -0.094 |
| 55 | 10 | LDR-Unbiased | 24.336 | 22.923 | -1.413 |
| 56 | 10 | LDR-Unbiased | 23.52 | 23.335 | -0.185 |
| 57 | 10 | LDR-Unbiased | 23.556 | 24.091 | 0.535 |
| 76 | 30 | LDR-Biased | 24.041 | 23.408 | -0.633 |
| 78 | 30 | LDR-Biased | 23.933 | 24.068 | 0.135 |
| 79 | 30 | LDR-Biased | 24.154 | 23.808 | -0.346 |
| 80 | 30 | LDR-Biased | 23.838 | 23.372 | -0.466 |
| 81 | 30 | LDR-Biased | 23.328 | 23.645 | 0.317 |
| 82 | 30 | LDR-Unbiased | 23.305 | 23.874 | 0.569 |
| 83 | 30 | LDR-Unbiased | 24.217 | 24.205 | -0.012 |
| 84 | 30 | LDR-Unbiased | 23.556 | 24.233 | 0.677 |
| 85 | 30 | LDR-Unbiased | 24.336 | 23.065 | -1.271 |
| 86 | 30 | LDR-Unbiased | 23.52 | 23.368 | -0.152 |
| 87 | 100 | LDR-Biased | 23.592 | 23.548 | -0.044 |
| 88 | 100 | LDR-Biased | 24.045 | 23.764 | -0.281 |
| 90 | 100 | LDR-Biased | 23.937 | 23.77 | -0.167 |
| 91 | 100 | LDR-Unbiased | 23.305 | 23.669 | 0.364 |
| 93 | 100 | LDR-Unbiased | 23.332 | 23.44 | 0.108 |
| 94 | 100 | LDR-Unbiased | 24.041 | 23.568 | -0.473 |
| 95 | 100 | LDR-Unbiased | 24.017 | 23.676 | -0.341 |
| 96 | 100 | LDR-Unbiased | 23.556 | 23.374 | -0.182 |
| 106 | 50 | LDR-Biased | 24.041 | 23.368 | -0.673 |
| 108 | 50 | LDR-Biased | 23.933 | 23.977 | 0.044 |
| 109 | 50 | LDR-Biased | 24.154 | 23.688 | -0.466 |
| 110 | 50 | LDR-Biased | 23.838 | 23.446 | -0.392 |
| 111 | 50 | LDR-Biased | 23.328 | 23.669 | 0.341 |
| 112 | 50 | LDR-Unbiased | 23.305 | 23.898 | 0.593 |
| 113 | 50 | LDR-Unbiased | 24.217 | 24.011 | -0.206 |
| 115 | 50 | LDR-Unbiased | 24.336 | 22.952 | -1.384 |
| 116 | 50 | LDR-Unbiased | 23.52 | 23.329 | -0.191 |
| 117 | 50 | LDR-Unbiased | 23.556 | 24.143 | 0.587 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.503 | 23.638 | 23.773 | 0.19092 | 23.503 | 23.638 | 23.773 | 0.19092 | 0 | 0 | 0 | 0 |
| 3 | 23.305 | 23.823 | 24.336 | 0.3748 | 23.119 | 23.636 | 24.108 | 0.36285 | -1.217 | -0.1872 | 0.603 | 0.55323 |
| 10 | 23.305 | 23.823 | 24.336 | 0.3748 | 22.923 | 23.638 | 24.123 | 0.41373 | -1.413 | -0.1849 | 0.555 | 0.59132 |
| 30 | 23.305 | 23.823 | 24.336 | 0.3748 | 23.065 | 23.705 | 24.233 | 0.39799 | -1.271 | -0.1182 | 0.677 | 0.59042 |
| 50 | 23.305 | 23.823 | 24.336 | 0.3748 | 22.952 | 23.648 | 24.143 | 0.37342 | -1.384 | -0.1747 | 0.593 | 0.60803 |
| 100 | 23.305 | 23.728 | 24.045 | 0.31836 | 23.374 | 23.601 | 23.77 | 0.14478 | -0.473 | -0.127 | 0.364 | 0.26647 |

# Device Test: 5.139 tdly_Res1p18M_EN3_SD/EN3/7/3/1.18M/0/0/@DLY_TMR_1MOHM



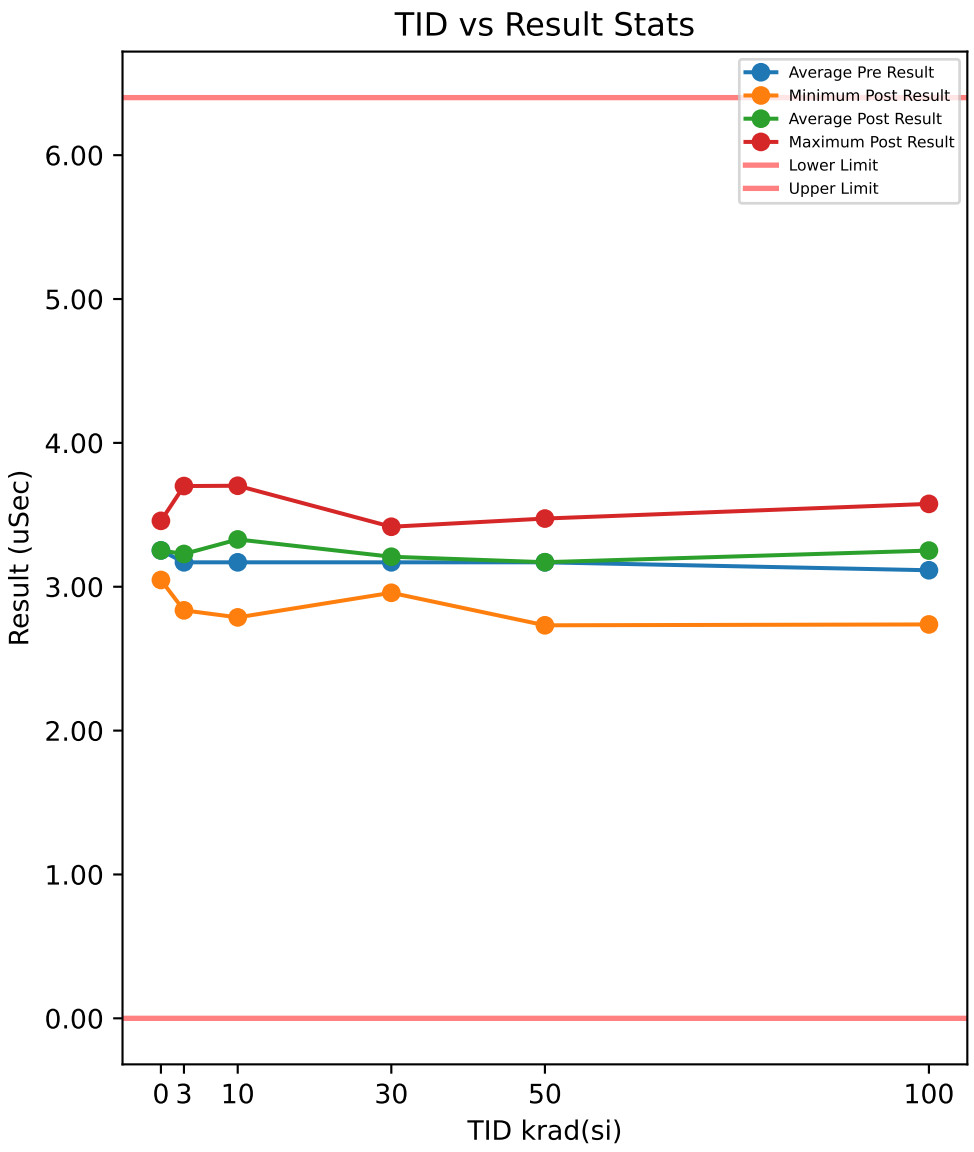

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

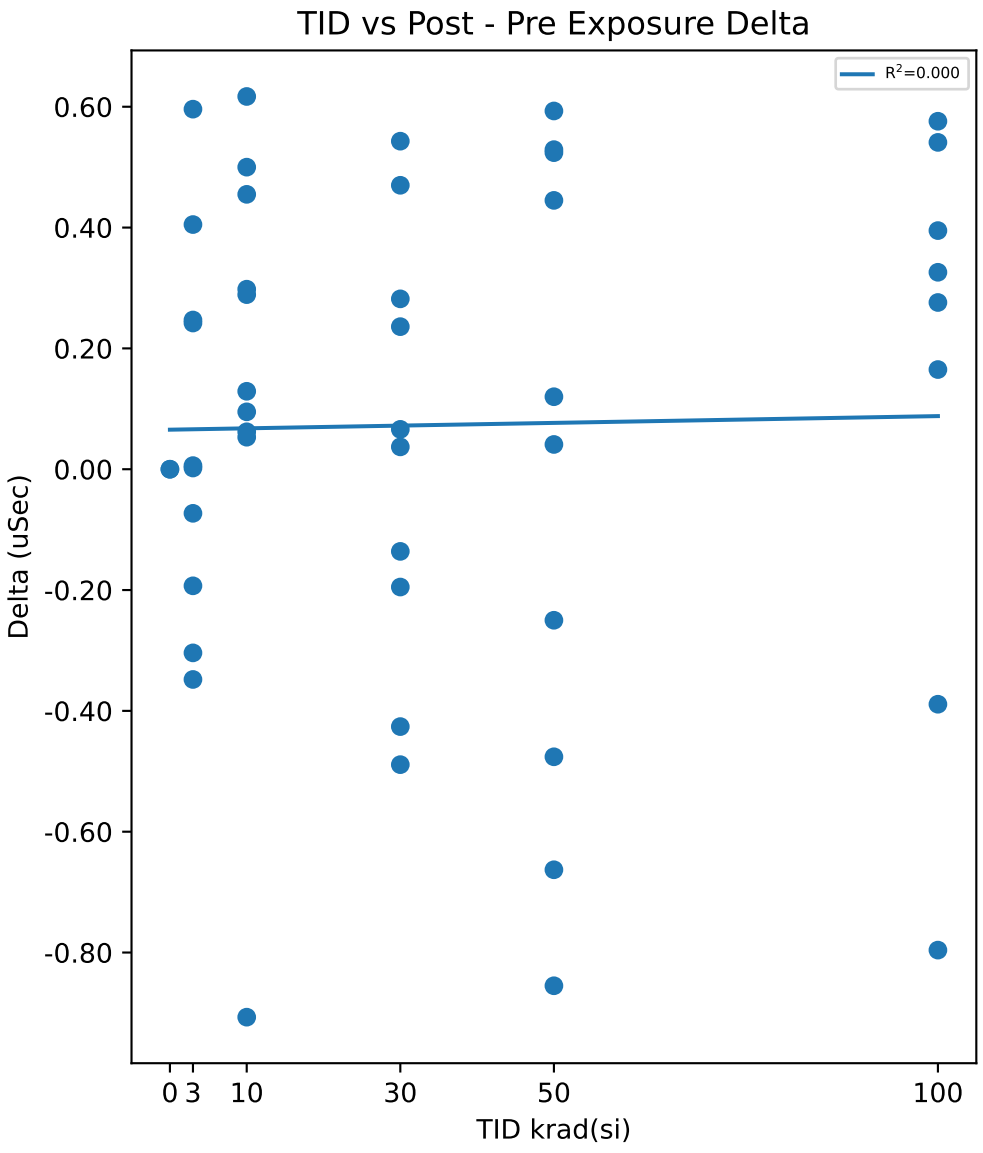
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.765 | 23.765 | 0 |
| 7 | 0 | Correlation | 23.493 | 23.493 | 0 |
| 16 | 3 | LDR-Biased | 24.034 | 23.36 | -0.674 |
| 18 | 3 | LDR-Biased | 23.927 | 24.053 | 0.126 |
| 19 | 3 | LDR-Biased | 24.147 | 23.865 | -0.282 |
| 20 | 3 | LDR-Biased | 23.832 | 23.344 | -0.488 |
| 21 | 3 | LDR-Biased | 23.323 | 23.387 | 0.064 |
| 22 | 3 | LDR-Unbiased | 23.3 | 23.903 | 0.603 |
| 23 | 3 | LDR-Unbiased | 24.213 | 24.098 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.342 | 23.115 | -1.227 |
| 26 | 3 | LDR-Unbiased | 23.513 | 23.289 | -0.224 |
| 27 | 3 | LDR-Unbiased | 23.549 | 23.867 | 0.318 |
| 46 | 10 | LDR-Biased | 24.034 | 23.334 | -0.7 |
| 48 | 10 | LDR-Biased | 23.927 | 23.875 | -0.052 |
| 49 | 10 | LDR-Biased | 24.147 | 23.843 | -0.304 |
| 50 | 10 | LDR-Biased | 23.832 | 23.366 | -0.466 |
| 51 | 10 | LDR-Biased | 23.323 | 23.202 | -0.121 |
| 52 | 10 | LDR-Unbiased | 23.3 | 23.869 | 0.569 |
| 53 | 10 | LDR-Unbiased | 24.213 | 24.119 | -0.094 |
| 55 | 10 | LDR-Unbiased | 24.342 | 23.134 | -1.208 |
| 56 | 10 | LDR-Unbiased | 23.513 | 23.316 | -0.197 |
| 57 | 10 | LDR-Unbiased | 23.549 | 24.112 | 0.563 |
| 76 | 30 | LDR-Biased | 24.034 | 23.384 | -0.65 |
| 78 | 30 | LDR-Biased | 23.927 | 23.838 | -0.089 |
| 79 | 30 | LDR-Biased | 24.147 | 23.798 | -0.349 |
| 80 | 30 | LDR-Biased | 23.832 | 23.348 | -0.484 |
| 81 | 30 | LDR-Biased | 23.323 | 23.613 | 0.29 |
| 82 | 30 | LDR-Unbiased | 23.3 | 23.867 | 0.567 |
| 83 | 30 | LDR-Unbiased | 24.213 | 24.199 | -0.014 |
| 84 | 30 | LDR-Unbiased | 23.549 | 24.234 | 0.685 |
| 85 | 30 | LDR-Unbiased | 24.342 | 23.058 | -1.284 |
| 86 | 30 | LDR-Unbiased | 23.513 | 23.356 | -0.157 |
| 87 | 100 | LDR-Biased | 23.582 | 23.542 | -0.04 |
| 88 | 100 | LDR-Biased | 24.036 | 23.764 | -0.272 |
| 90 | 100 | LDR-Biased | 23.925 | 23.765 | -0.16 |
| 91 | 100 | LDR-Unbiased | 23.297 | 23.666 | 0.369 |
| 93 | 100 | LDR-Unbiased | 23.327 | 23.432 | 0.105 |
| 94 | 100 | LDR-Unbiased | 24.035 | 23.562 | -0.473 |
| 95 | 100 | LDR-Unbiased | 24.012 | 23.665 | -0.347 |
| 96 | 100 | LDR-Unbiased | 23.542 | 23.362 | -0.18 |
| 106 | 50 | LDR-Biased | 24.034 | 23.375 | -0.659 |
| 108 | 50 | LDR-Biased | 23.927 | 23.953 | 0.026 |
| 109 | 50 | LDR-Biased | 24.147 | 23.704 | -0.443 |
| 110 | 50 | LDR-Biased | 23.832 | 23.447 | -0.385 |
| 111 | 50 | LDR-Biased | 23.323 | 23.664 | 0.341 |
| 112 | 50 | LDR-Unbiased | 23.3 | 23.904 | 0.604 |
| 113 | 50 | LDR-Unbiased | 24.213 | 24.007 | -0.206 |
| 115 | 50 | LDR-Unbiased | 24.342 | 22.949 | -1.393 |
| 116 | 50 | LDR-Unbiased | 23.513 | 23.105 | -0.408 |
| 117 | 50 | LDR-Unbiased | 23.549 | 23.915 | 0.366 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.493 | 23.629 | 23.765 | 0.19233 | 23.493 | 23.629 | 23.765 | 0.19233 | 0 | 0 | 0 | 0 |
| 3 | 23.3 | 23.818 | 24.342 | 0.37658 | 23.115 | 23.628 | 24.098 | 0.36195 | -1.227 | -0.1899 | 0.603 | 0.52334 |
| 10 | 23.3 | 23.818 | 24.342 | 0.37658 | 23.134 | 23.617 | 24.119 | 0.38259 | -1.208 | -0.201 | 0.569 | 0.53339 |
| 30 | 23.3 | 23.818 | 24.342 | 0.37658 | 23.058 | 23.669 | 24.234 | 0.38632 | -1.284 | -0.1485 | 0.685 | 0.58824 |
| 50 | 23.3 | 23.818 | 24.342 | 0.37658 | 22.949 | 23.602 | 24.007 | 0.37113 | -1.393 | -0.2157 | 0.604 | 0.58486 |
| 100 | 23.297 | 23.72 | 24.036 | 0.31858 | 23.362 | 23.595 | 23.765 | 0.14743 | -0.473 | -0.12475 | 0.369 | 0.26737 |

# Device Test: 5.14 tpd_EN3_SU/EN3/1.6/14/0/0/0/@TPD_EN



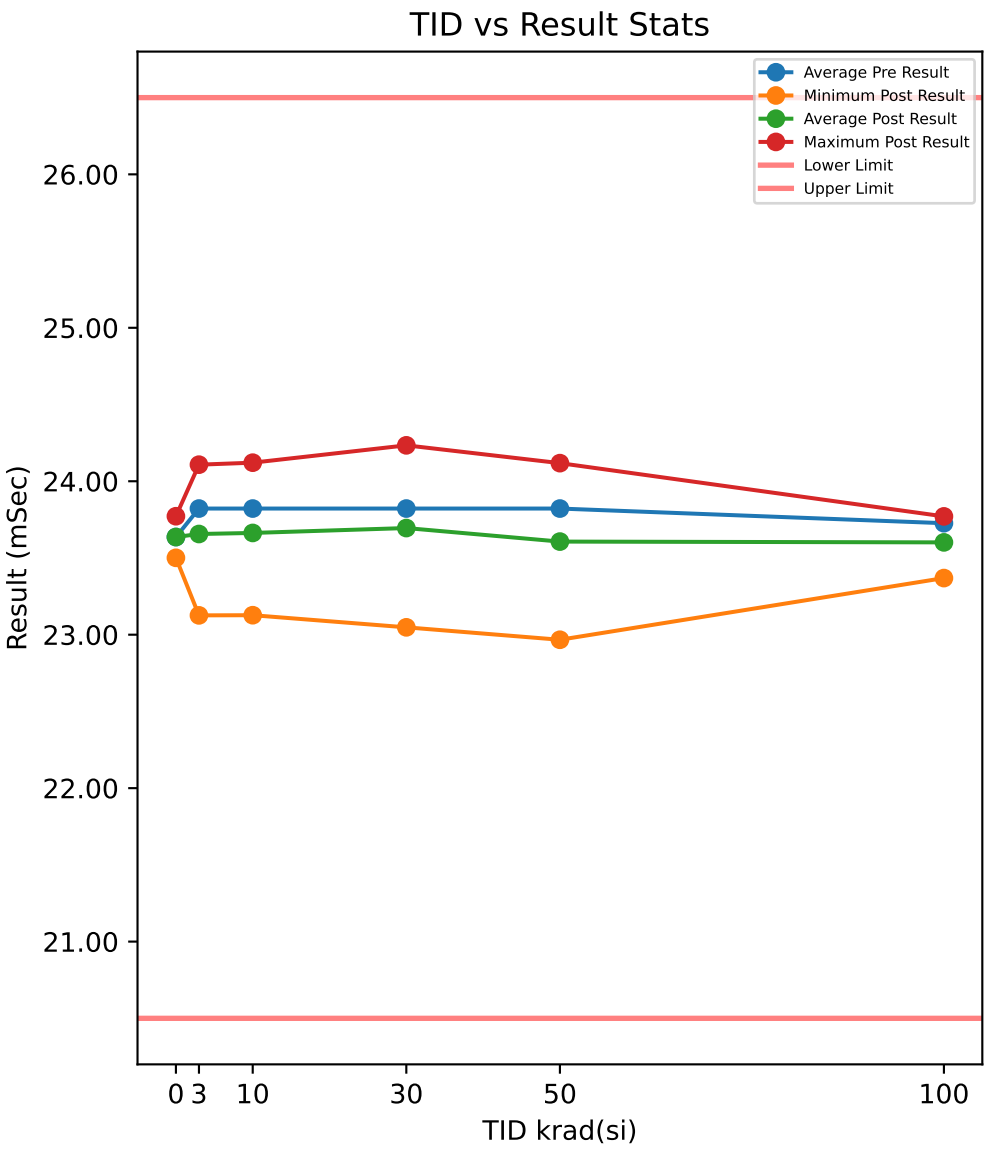

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

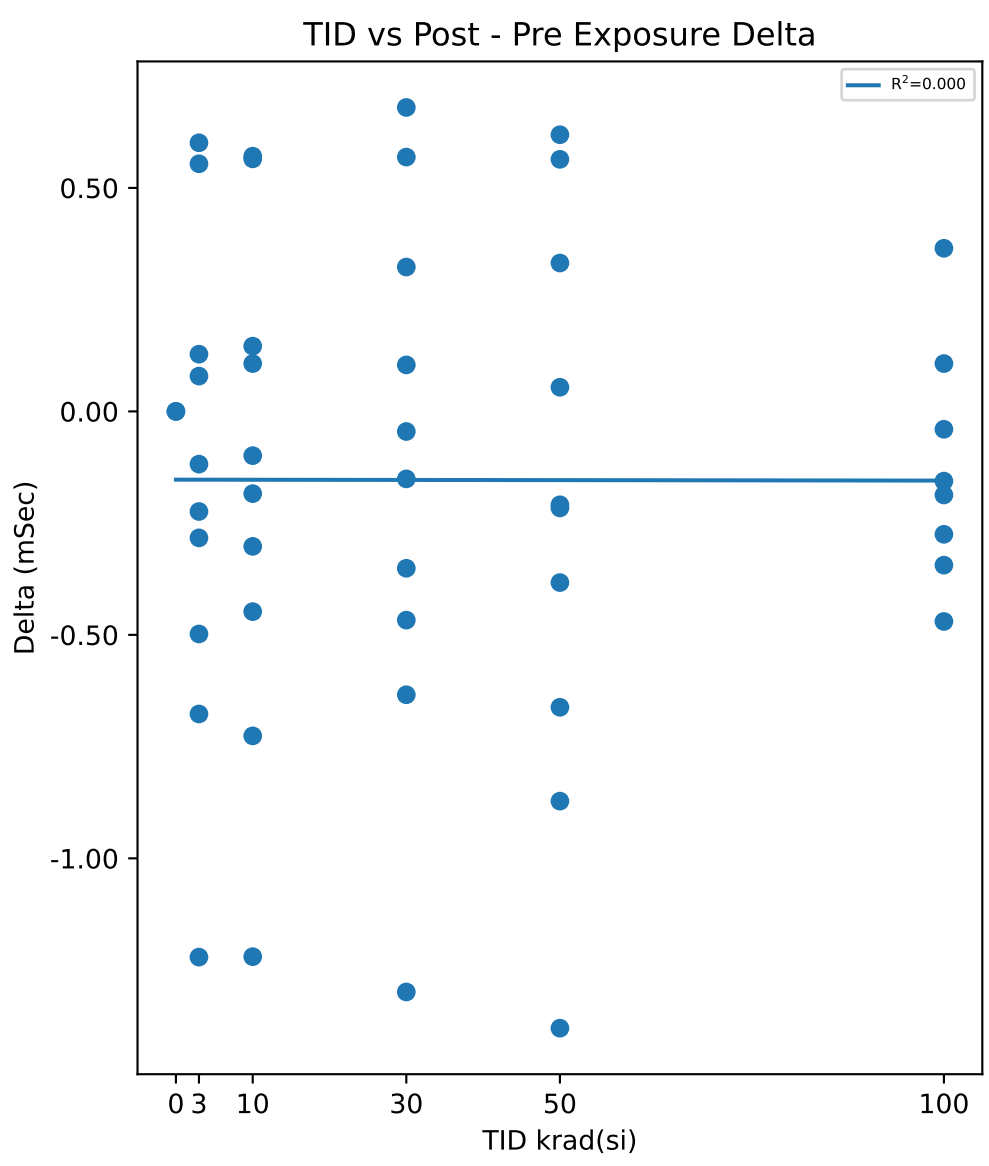
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.458 | 3.458 | 0 |
| 7 | 0 | Correlation | 3.047 | 3.047 | 0 |
| 16 | 3 | LDR-Biased | 3.029 | 2.836 | -0.193 |
| 18 | 3 | LDR-Biased | 3.208 | 3.135 | -0.073 |
| 19 | 3 | LDR-Biased | 3.153 | 2.849 | -0.304 |
| 20 | 3 | LDR-Biased | 3.573 | 3.225 | -0.348 |
| 21 | 3 | LDR-Biased | 2.77 | 3.012 | 0.242 |
| 22 | 3 | LDR-Unbiased | 2.947 | 3.543 | 0.596 |
| 23 | 3 | LDR-Unbiased | 2.895 | 3.142 | 0.247 |
| 25 | 3 | LDR-Unbiased | 3.215 | 3.217 | 0.002 |
| 26 | 3 | LDR-Unbiased | 3.214 | 3.619 | 0.405 |
| 27 | 3 | LDR-Unbiased | 3.694 | 3.7 | 0.006 |
| 46 | 10 | LDR-Biased | 3.029 | 3.082 | 0.053 |
| 48 | 10 | LDR-Biased | 3.208 | 3.506 | 0.298 |
| 49 | 10 | LDR-Biased | 3.153 | 3.653 | 0.5 |
| 50 | 10 | LDR-Biased | 3.573 | 3.702 | 0.129 |
| 51 | 10 | LDR-Biased | 2.77 | 2.832 | 0.062 |
| 52 | 10 | LDR-Unbiased | 2.947 | 3.042 | 0.095 |
| 53 | 10 | LDR-Unbiased | 2.895 | 3.512 | 0.617 |
| 55 | 10 | LDR-Unbiased | 3.215 | 3.67 | 0.455 |
| 56 | 10 | LDR-Unbiased | 3.214 | 3.503 | 0.289 |
| 57 | 10 | LDR-Unbiased | 3.694 | 2.787 | -0.907 |
| 76 | 30 | LDR-Biased | 3.029 | 3.265 | 0.236 |
| 78 | 30 | LDR-Biased | 3.208 | 3.072 | -0.136 |
| 79 | 30 | LDR-Biased | 3.153 | 2.958 | -0.195 |
| 80 | 30 | LDR-Biased | 3.573 | 3.147 | -0.426 |
| 81 | 30 | LDR-Biased | 2.77 | 3.313 | 0.543 |
| 82 | 30 | LDR-Unbiased | 2.947 | 3.417 | 0.47 |
| 83 | 30 | LDR-Unbiased | 2.895 | 3.177 | 0.282 |
| 84 | 30 | LDR-Unbiased | 3.694 | 3.205 | -0.489 |
| 85 | 30 | LDR-Unbiased | 3.215 | 3.252 | 0.037 |
| 86 | 30 | LDR-Unbiased | 3.214 | 3.28 | 0.066 |
| 87 | 100 | LDR-Biased | 3.207 | 3.483 | 0.276 |
| 88 | 100 | LDR-Biased | 2.968 | 3.509 | 0.541 |
| 90 | 100 | LDR-Biased | 3.019 | 3.184 | 0.165 |
| 91 | 100 | LDR-Unbiased | 2.864 | 3.44 | 0.576 |
| 93 | 100 | LDR-Unbiased | 3.181 | 3.576 | 0.395 |
| 94 | 100 | LDR-Unbiased | 3.714 | 2.918 | -0.796 |
| 95 | 100 | LDR-Unbiased | 2.837 | 3.163 | 0.326 |
| 96 | 100 | LDR-Unbiased | 3.127 | 2.738 | -0.389 |
| 106 | 50 | LDR-Biased | 3.029 | 3.474 | 0.445 |
| 108 | 50 | LDR-Biased | 3.208 | 2.732 | -0.476 |
| 109 | 50 | LDR-Biased | 3.153 | 3.194 | 0.041 |
| 110 | 50 | LDR-Biased | 3.573 | 2.91 | -0.663 |
| 111 | 50 | LDR-Biased | 2.77 | 3.363 | 0.593 |
| 112 | 50 | LDR-Unbiased | 2.947 | 3.471 | 0.524 |
| 113 | 50 | LDR-Unbiased | 2.895 | 3.424 | 0.529 |
| 115 | 50 | LDR-Unbiased | 3.215 | 3.335 | 0.12 |
| 116 | 50 | LDR-Unbiased | 3.214 | 2.964 | -0.25 |
| 117 | 50 | LDR-Unbiased | 3.694 | 2.839 | -0.855 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.047 | 3.2525 | 3.458 | 0.29062 | 3.047 | 3.2525 | 3.458 | 0.29062 | 0 | 0 | 0 | 0 |
| 3 | 2.77 | 3.1698 | 3.694 | 0.28827 | 2.836 | 3.2278 | 3.7 | 0.3046 | -0.348 | 0.058 | 0.596 | 0.30936 |
| 10 | 2.77 | 3.1698 | 3.694 | 0.28827 | 2.787 | 3.3289 | 3.702 | 0.35584 | -0.907 | 0.1591 | 0.617 | 0.4232 |
| 30 | 2.77 | 3.1698 | 3.694 | 0.28827 | 2.958 | 3.2086 | 3.417 | 0.12943 | -0.489 | 0.0388 | 0.543 | 0.35257 |
| 50 | 2.77 | 3.1698 | 3.694 | 0.28827 | 2.732 | 3.1706 | 3.474 | 0.28363 | -0.855 | 0.0008 | 0.593 | 0.5354 |
| 100 | 2.837 | 3.1146 | 3.714 | 0.27848 | 2.738 | 3.2514 | 3.576 | 0.30426 | -0.796 | 0.13675 | 0.576 | 0.48188 |

# Device Test: 5.140 tdly_Res1p18M_EN4_SD/EN4/7/3/1.18M/0/0/@DLY_TMR_1MOHM



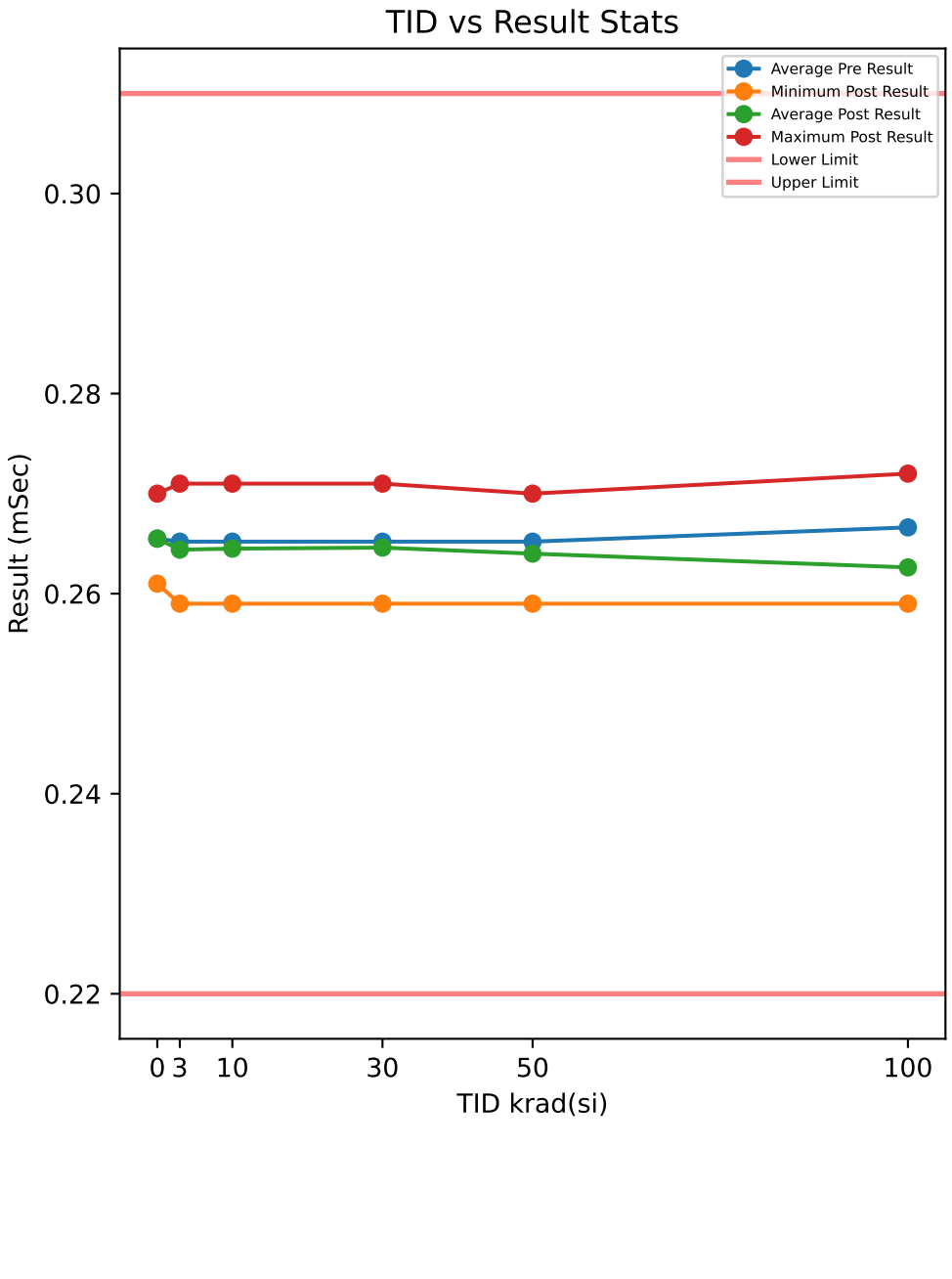

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

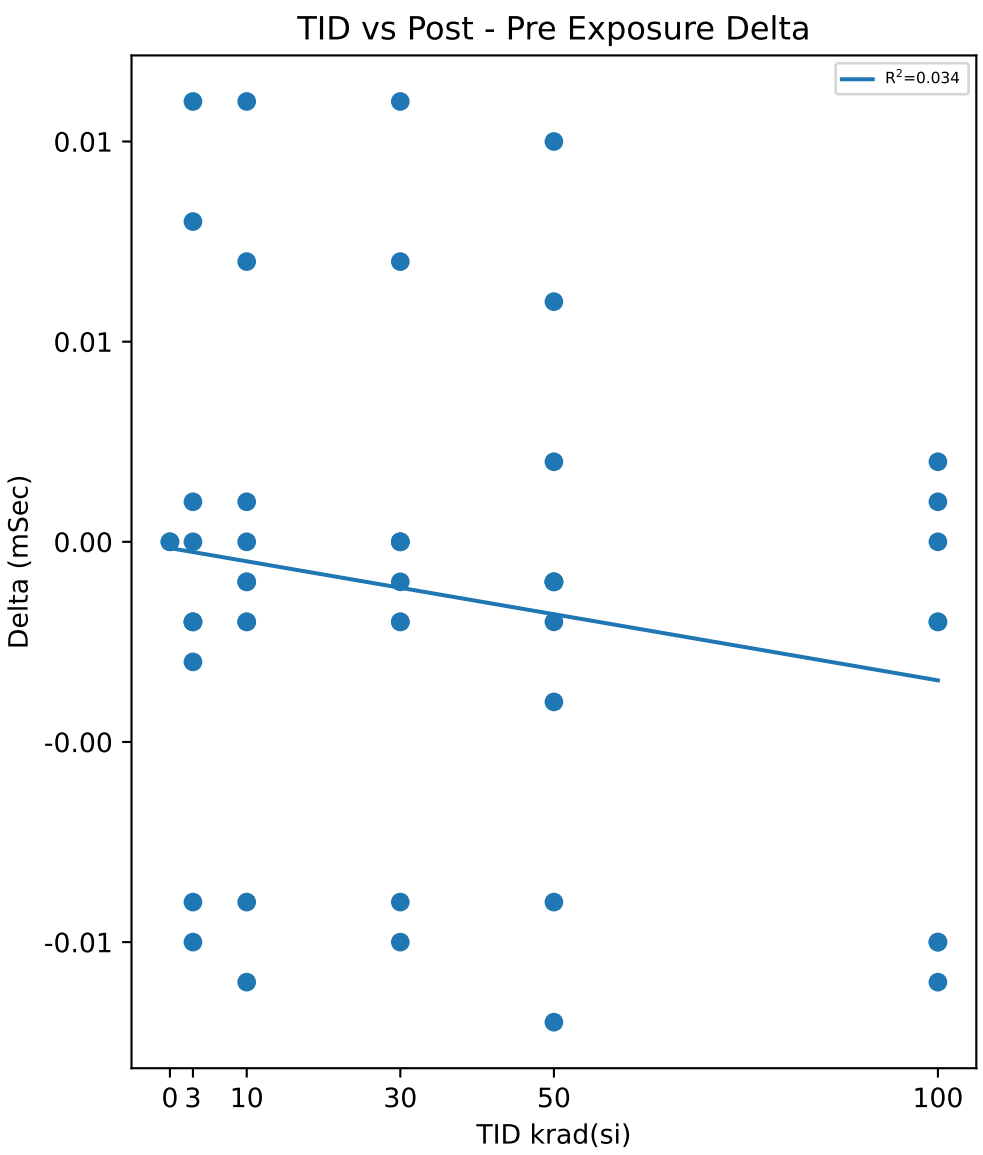
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.772 | 23.772 | 0 |
| 7 | 0 | Correlation | 23.501 | 23.501 | 0 |
| 16 | 3 | LDR-Biased | 24.041 | 23.364 | -0.677 |
| 18 | 3 | LDR-Biased | 23.931 | 24.059 | 0.128 |
| 19 | 3 | LDR-Biased | 24.154 | 23.871 | -0.283 |
| 20 | 3 | LDR-Biased | 23.837 | 23.339 | -0.498 |
| 21 | 3 | LDR-Biased | 23.313 | 23.392 | 0.079 |
| 22 | 3 | LDR-Unbiased | 23.305 | 23.906 | 0.601 |
| 23 | 3 | LDR-Unbiased | 24.22 | 24.102 | -0.118 |
| 25 | 3 | LDR-Unbiased | 24.347 | 23.126 | -1.221 |
| 26 | 3 | LDR-Unbiased | 23.519 | 23.295 | -0.224 |
| 27 | 3 | LDR-Unbiased | 23.554 | 24.108 | 0.554 |
| 46 | 10 | LDR-Biased | 24.041 | 23.315 | -0.726 |
| 48 | 10 | LDR-Biased | 23.931 | 24.077 | 0.146 |
| 49 | 10 | LDR-Biased | 24.154 | 23.852 | -0.302 |
| 50 | 10 | LDR-Biased | 23.837 | 23.389 | -0.448 |
| 51 | 10 | LDR-Biased | 23.313 | 23.42 | 0.107 |
| 52 | 10 | LDR-Unbiased | 23.305 | 23.876 | 0.571 |
| 53 | 10 | LDR-Unbiased | 24.22 | 24.121 | -0.099 |
| 55 | 10 | LDR-Unbiased | 24.347 | 23.127 | -1.22 |
| 56 | 10 | LDR-Unbiased | 23.519 | 23.335 | -0.184 |
| 57 | 10 | LDR-Unbiased | 23.554 | 24.119 | 0.565 |
| 76 | 30 | LDR-Biased | 24.041 | 23.407 | -0.634 |
| 78 | 30 | LDR-Biased | 23.931 | 24.035 | 0.104 |
| 79 | 30 | LDR-Biased | 24.154 | 23.803 | -0.351 |
| 80 | 30 | LDR-Biased | 23.837 | 23.37 | -0.467 |
| 81 | 30 | LDR-Biased | 23.313 | 23.636 | 0.323 |
| 82 | 30 | LDR-Unbiased | 23.305 | 23.874 | 0.569 |
| 83 | 30 | LDR-Unbiased | 24.22 | 24.175 | -0.045 |
| 84 | 30 | LDR-Unbiased | 23.554 | 24.234 | 0.68 |
| 85 | 30 | LDR-Unbiased | 24.347 | 23.048 | -1.299 |
| 86 | 30 | LDR-Unbiased | 23.519 | 23.368 | -0.151 |
| 87 | 100 | LDR-Biased | 23.591 | 23.551 | -0.04 |
| 88 | 100 | LDR-Biased | 24.044 | 23.769 | -0.275 |
| 90 | 100 | LDR-Biased | 23.927 | 23.771 | -0.156 |
| 91 | 100 | LDR-Unbiased | 23.305 | 23.67 | 0.365 |
| 93 | 100 | LDR-Unbiased | 23.332 | 23.439 | 0.107 |
| 94 | 100 | LDR-Unbiased | 24.041 | 23.571 | -0.47 |
| 95 | 100 | LDR-Unbiased | 24.017 | 23.673 | -0.344 |
| 96 | 100 | LDR-Unbiased | 23.556 | 23.369 | -0.187 |
| 106 | 50 | LDR-Biased | 24.041 | 23.169 | -0.872 |
| 108 | 50 | LDR-Biased | 23.931 | 23.985 | 0.054 |
| 109 | 50 | LDR-Biased | 24.154 | 23.492 | -0.662 |
| 110 | 50 | LDR-Biased | 23.837 | 23.454 | -0.383 |
| 111 | 50 | LDR-Biased | 23.313 | 23.645 | 0.332 |
| 112 | 50 | LDR-Unbiased | 23.305 | 23.924 | 0.619 |
| 113 | 50 | LDR-Unbiased | 24.22 | 24.011 | -0.209 |
| 115 | 50 | LDR-Unbiased | 24.347 | 22.967 | -1.38 |
| 116 | 50 | LDR-Unbiased | 23.519 | 23.303 | -0.216 |
| 117 | 50 | LDR-Unbiased | 23.554 | 24.118 | 0.564 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.501 | 23.636 | 23.772 | 0.19163 | 23.501 | 23.636 | 23.772 | 0.19163 | 0 | 0 | 0 | 0 |
| 3 | 23.305 | 23.822 | 24.347 | 0.37923 | 23.126 | 23.656 | 24.108 | 0.38601 | -1.221 | -0.1659 | 0.601 | 0.55346 |
| 10 | 23.305 | 23.822 | 24.347 | 0.37923 | 23.127 | 23.663 | 24.121 | 0.38301 | -1.22 | -0.159 | 0.571 | 0.5554 |
| 30 | 23.305 | 23.822 | 24.347 | 0.37923 | 23.048 | 23.695 | 24.234 | 0.3941 | -1.299 | -0.1271 | 0.68 | 0.59584 |
| 50 | 23.305 | 23.822 | 24.347 | 0.37923 | 22.967 | 23.607 | 24.118 | 0.39436 | -1.38 | -0.2153 | 0.619 | 0.64039 |
| 100 | 23.305 | 23.727 | 24.044 | 0.31736 | 23.369 | 23.602 | 23.771 | 0.14665 | -0.47 | -0.125 | 0.365 | 0.26604 |

# Device Test: 5.141 tdly_Res10p5K_EN1_SU/EN1/7/14/10.5K/0/0/@DLY_TMR_10KOHM



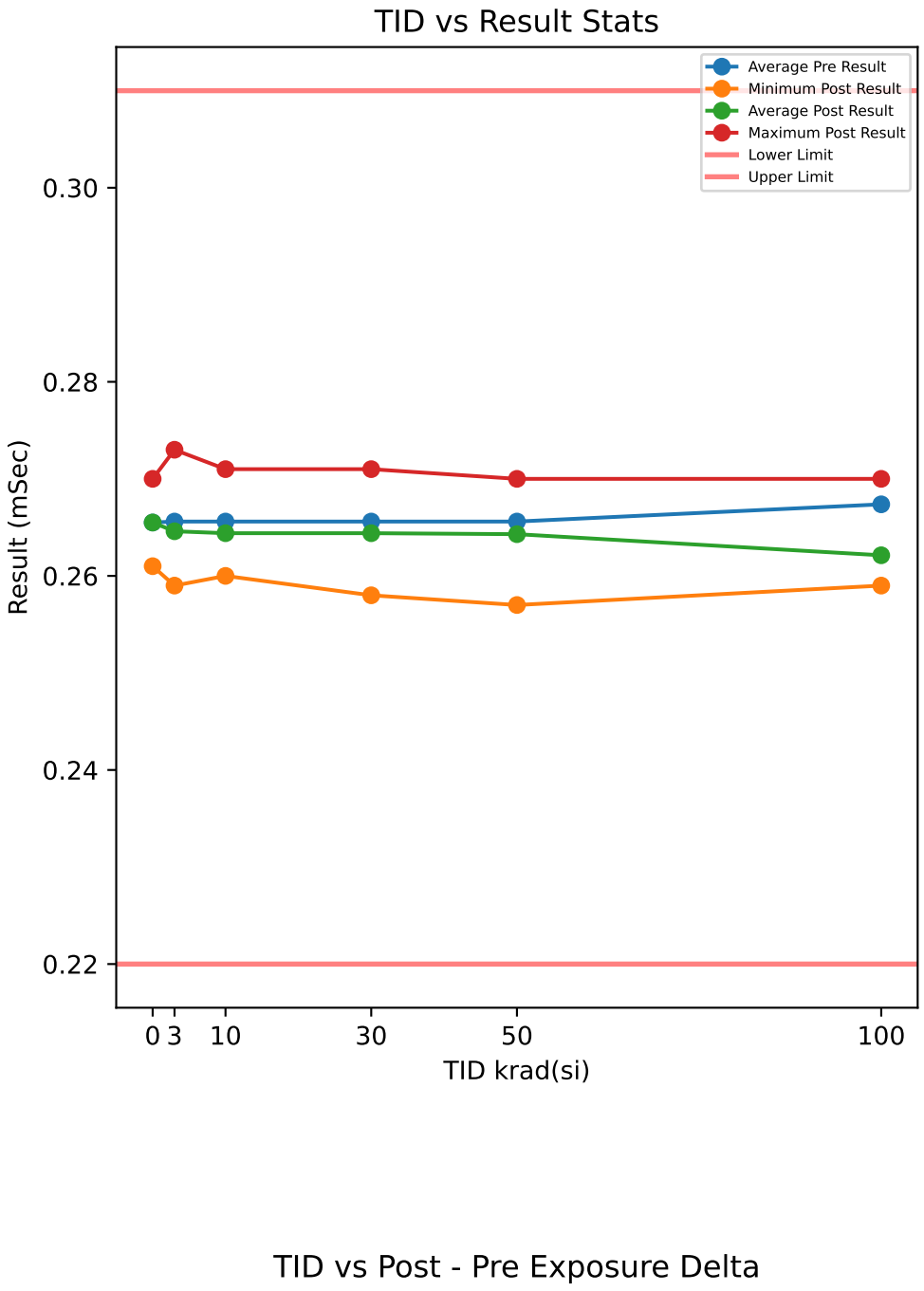

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

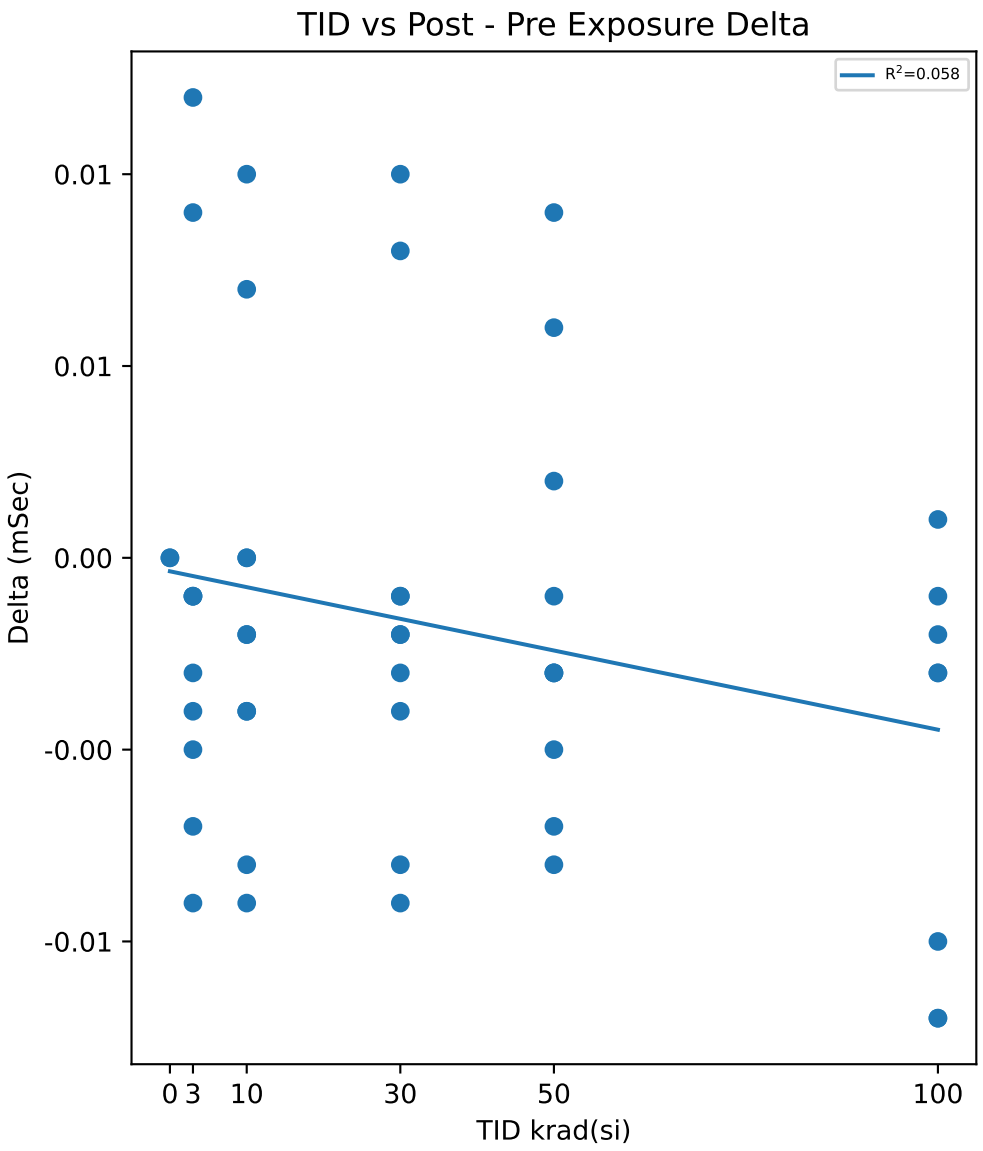
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 18 | 3 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 20 | 3 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 21 | 3 | LDR-Biased | 0.26 | 0.26 | 0 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.269 | 0.27 | 0.001 |
| 46 | 10 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 48 | 10 | LDR-Biased | 0.27 | 0.27 | 0 |
| 49 | 10 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 50 | 10 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 51 | 10 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.269 | 0.268 | -0.001 |
| 76 | 30 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 78 | 30 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 81 | 30 | LDR-Biased | 0.26 | 0.26 | 0 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.263 | 0.263 | 0 |
| 84 | 30 | LDR-Unbiased | 0.269 | 0.269 | 0 |
| 85 | 30 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 87 | 100 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 88 | 100 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 90 | 100 | LDR-Biased | 0.271 | 0.272 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.259 | 0.259 | 0 |
| 94 | 100 | LDR-Unbiased | 0.271 | 0.26 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.26 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.27 | 0.26 | -0.01 |
| 106 | 50 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 108 | 50 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.271 | 0.259 | -0.012 |
| 111 | 50 | LDR-Biased | 0.26 | 0.262 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.268 | 0.006 |
| 113 | 50 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.269 | 0.268 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2652 | 0.272 | 0.0047796 | 0.259 | 0.2644 | 0.271 | 0.0047656 | -0.01 | -0.0008 | 0.011 | 0.0065115 |
| 10 | 0.26 | 0.2652 | 0.272 | 0.0047796 | 0.259 | 0.2645 | 0.271 | 0.0045031 | -0.011 | -0.0007 | 0.011 | 0.0064816 |
| 30 | 0.26 | 0.2652 | 0.272 | 0.0047796 | 0.259 | 0.2646 | 0.271 | 0.0044272 | -0.01 | -0.0006 | 0.011 | 0.0062929 |
| 50 | 0.26 | 0.2652 | 0.272 | 0.0047796 | 0.259 | 0.264 | 0.27 | 0.0043205 | -0.012 | -0.0012 | 0.01 | 0.0064429 |
| 100 | 0.259 | 0.26663 | 0.271 | 0.005579 | 0.259 | 0.26262 | 0.272 | 0.0049552 | -0.011 | -0.004 | 0.002 | 0.0054248 |

# Device Test: 5.142 tdly_Res10p5K_EN2_SU/EN2/7/14/10.5K/0/0/@DLY_TMR_10KOHM



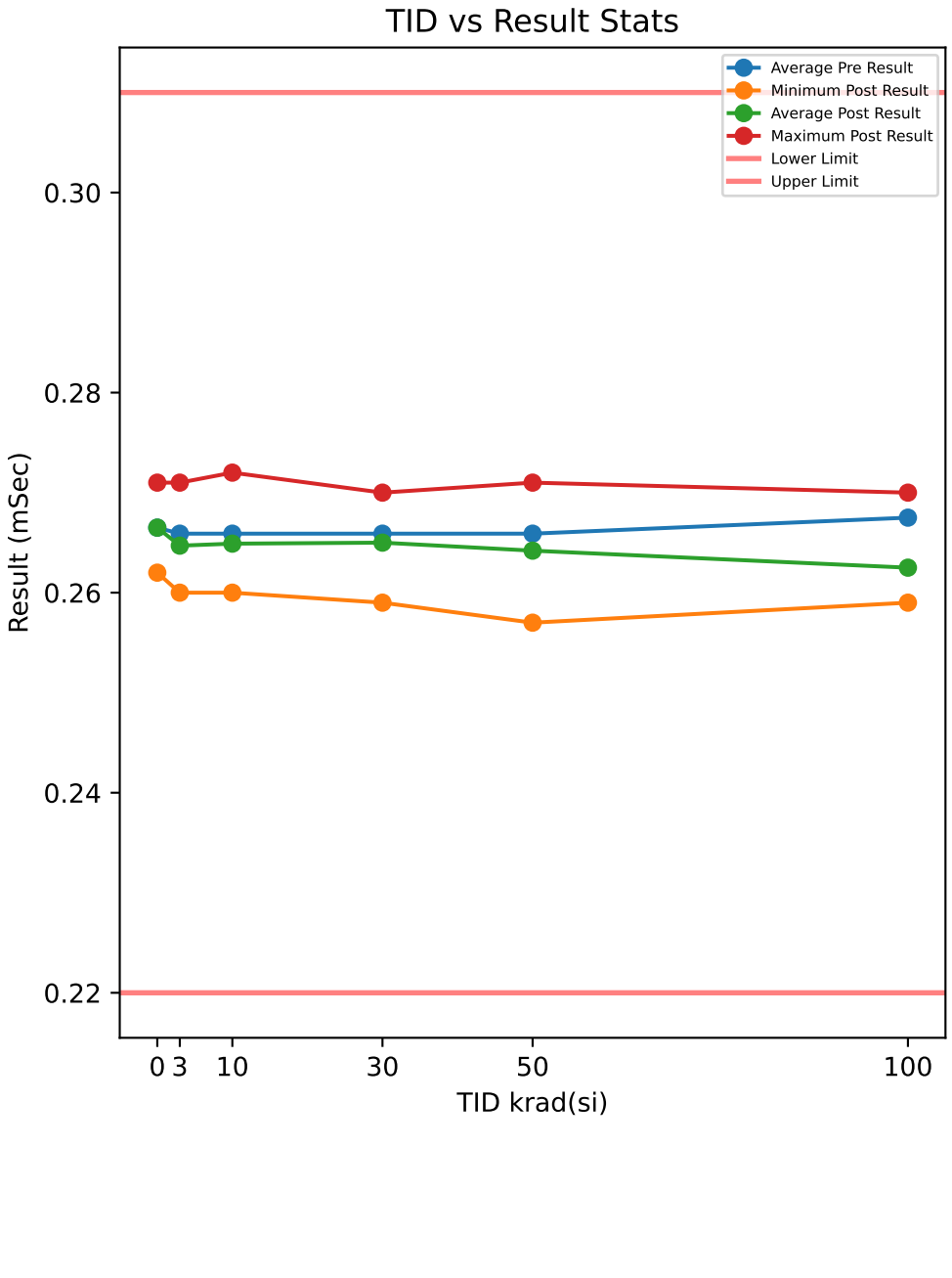

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

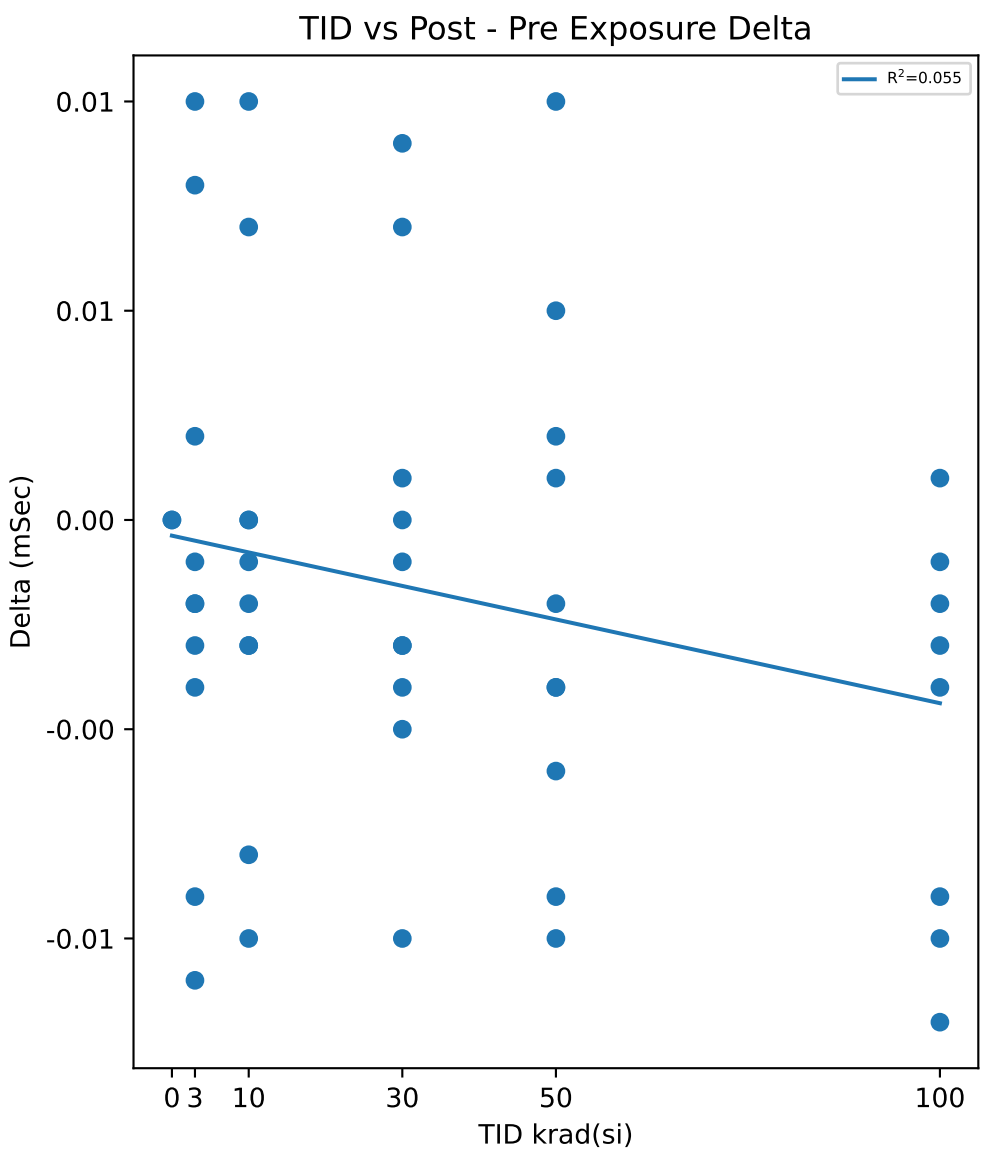
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 19 | 3 | LDR-Biased | 0.264 | 0.259 | -0.005 |
| 20 | 3 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 21 | 3 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.273 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.268 | -0.004 |
| 46 | 10 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 48 | 10 | LDR-Biased | 0.271 | 0.271 | 0 |
| 49 | 10 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 50 | 10 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 51 | 10 | LDR-Biased | 0.26 | 0.26 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.268 | -0.004 |
| 76 | 30 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 78 | 30 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 81 | 30 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.273 | 0.261 | -0.012 |
| 95 | 100 | LDR-Unbiased | 0.272 | 0.26 | -0.012 |
| 96 | 100 | LDR-Unbiased | 0.269 | 0.259 | -0.01 |
| 106 | 50 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 108 | 50 | LDR-Biased | 0.271 | 0.268 | -0.003 |
| 109 | 50 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 110 | 50 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 111 | 50 | LDR-Biased | 0.26 | 0.262 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.268 | 0.006 |
| 113 | 50 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.257 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2656 | 0.272 | 0.0048351 | 0.259 | 0.2646 | 0.273 | 0.0053996 | -0.009 | -0.001 | 0.012 | 0.00665 |
| 10 | 0.26 | 0.2656 | 0.272 | 0.0048351 | 0.26 | 0.2644 | 0.271 | 0.0047656 | -0.009 | -0.0012 | 0.01 | 0.0059591 |
| 30 | 0.26 | 0.2656 | 0.272 | 0.0048351 | 0.258 | 0.2644 | 0.271 | 0.004858 | -0.009 | -0.0012 | 0.01 | 0.0060516 |
| 50 | 0.26 | 0.2656 | 0.272 | 0.0048351 | 0.257 | 0.2643 | 0.27 | 0.0042439 | -0.008 | -0.0013 | 0.009 | 0.0054782 |
| 100 | 0.26 | 0.26738 | 0.273 | 0.0057554 | 0.259 | 0.26212 | 0.27 | 0.0043569 | -0.012 | -0.00525 | 0.001 | 0.0052304 |

# Device Test: 5.143 tdly_Res10p5K_EN3_SU/EN3/7/14/10.5K/0/0/@DLY_TMR_10KOHM



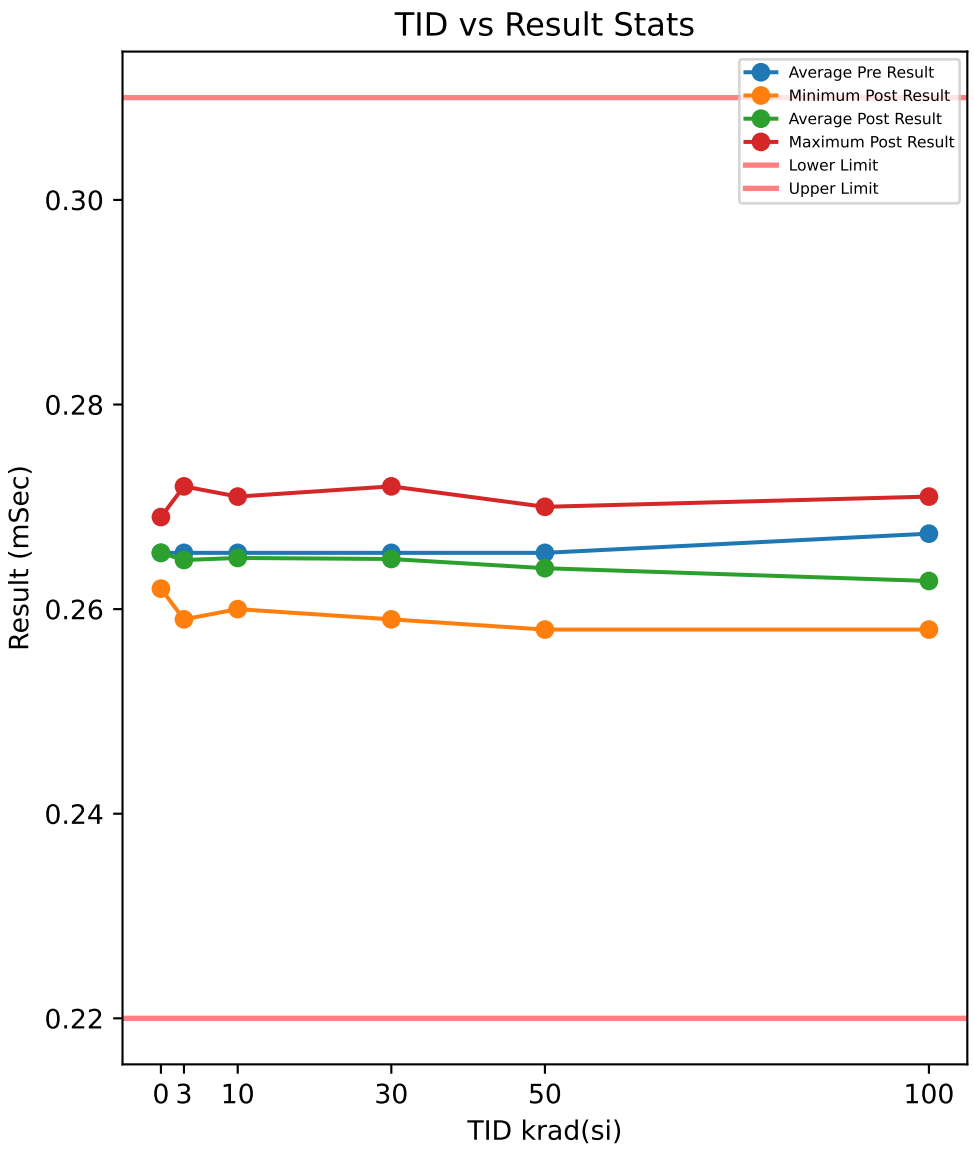

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

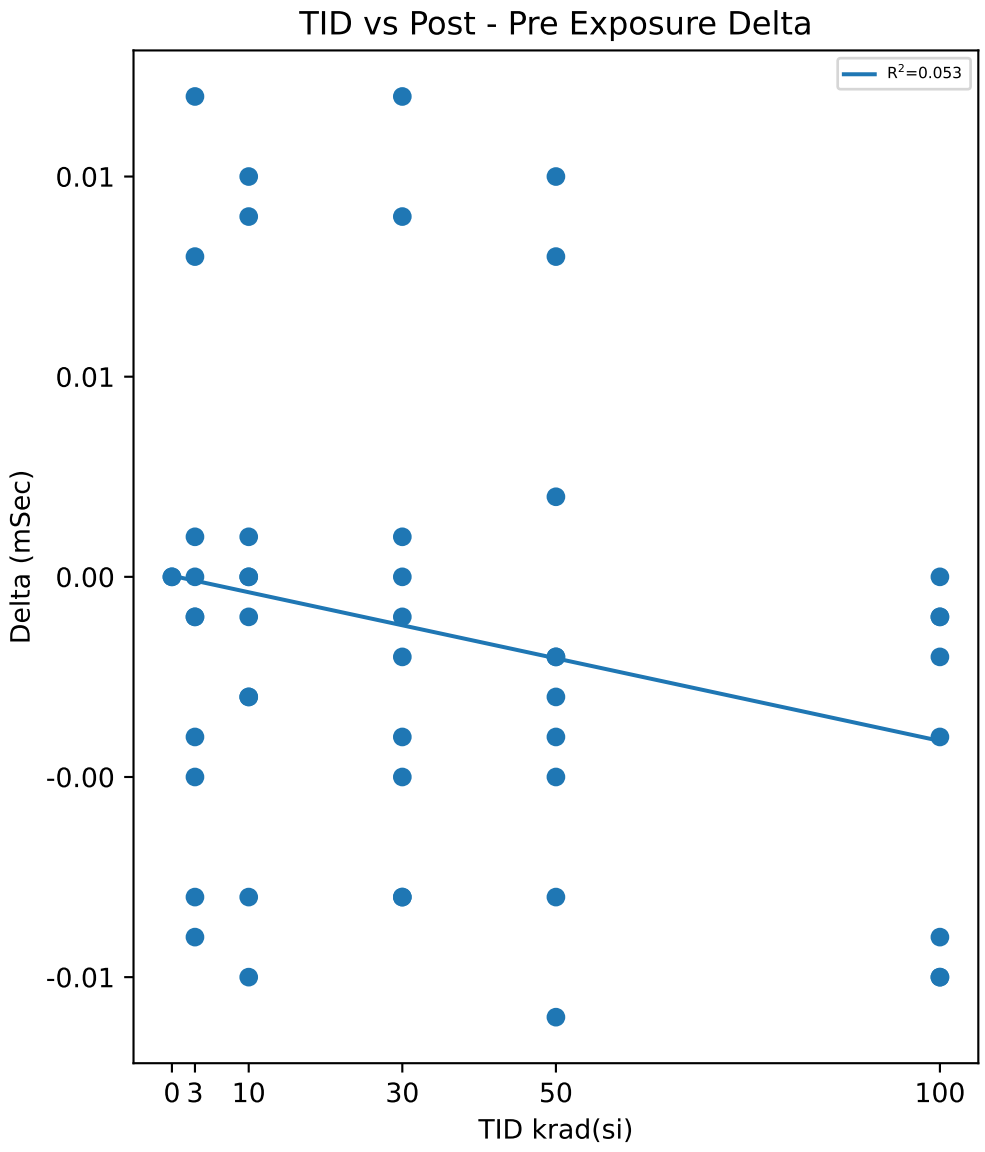
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.271 | 0.271 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.273 | 0.262 | -0.011 |
| 18 | 3 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 20 | 3 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 21 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.263 | 0.271 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.269 | 0.271 | 0.002 |
| 46 | 10 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 48 | 10 | LDR-Biased | 0.272 | 0.272 | 0 |
| 49 | 10 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 50 | 10 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.269 | 0.268 | -0.001 |
| 76 | 30 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 78 | 30 | LDR-Biased | 0.272 | 0.269 | -0.003 |
| 79 | 30 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 80 | 30 | LDR-Biased | 0.269 | 0.264 | -0.005 |
| 81 | 30 | LDR-Biased | 0.261 | 0.261 | 0 |
| 82 | 30 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.269 | 0.27 | 0.001 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 87 | 100 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.26 | -0.012 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.261 | -0.01 |
| 106 | 50 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 108 | 50 | LDR-Biased | 0.272 | 0.268 | -0.004 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 111 | 50 | LDR-Biased | 0.261 | 0.262 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.263 | 0.268 | 0.005 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.257 | -0.006 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.269 | 0.271 | 0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.2665 | 0.271 | 0.006364 | 0.262 | 0.2665 | 0.271 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2659 | 0.273 | 0.0044585 | 0.26 | 0.2647 | 0.271 | 0.0052715 | -0.011 | -0.0012 | 0.01 | 0.0065794 |
| 10 | 0.261 | 0.2659 | 0.273 | 0.0044585 | 0.26 | 0.2649 | 0.272 | 0.0047714 | -0.01 | -0.001 | 0.01 | 0.0060185 |
| 30 | 0.261 | 0.2659 | 0.273 | 0.0044585 | 0.259 | 0.265 | 0.27 | 0.0043205 | -0.01 | -0.0009 | 0.009 | 0.0056065 |
| 50 | 0.261 | 0.2659 | 0.273 | 0.0044585 | 0.257 | 0.2642 | 0.271 | 0.0049396 | -0.01 | -0.0017 | 0.01 | 0.0062725 |
| 100 | 0.259 | 0.2675 | 0.273 | 0.0055549 | 0.259 | 0.2625 | 0.27 | 0.0046904 | -0.012 | -0.005 | 0.001 | 0.0047208 |

# Device Test: 5.144 tdly_Res10p5K_EN4_SU/EN4/7/14/10.5K/0/0/@DLY_TMR_10KOHM



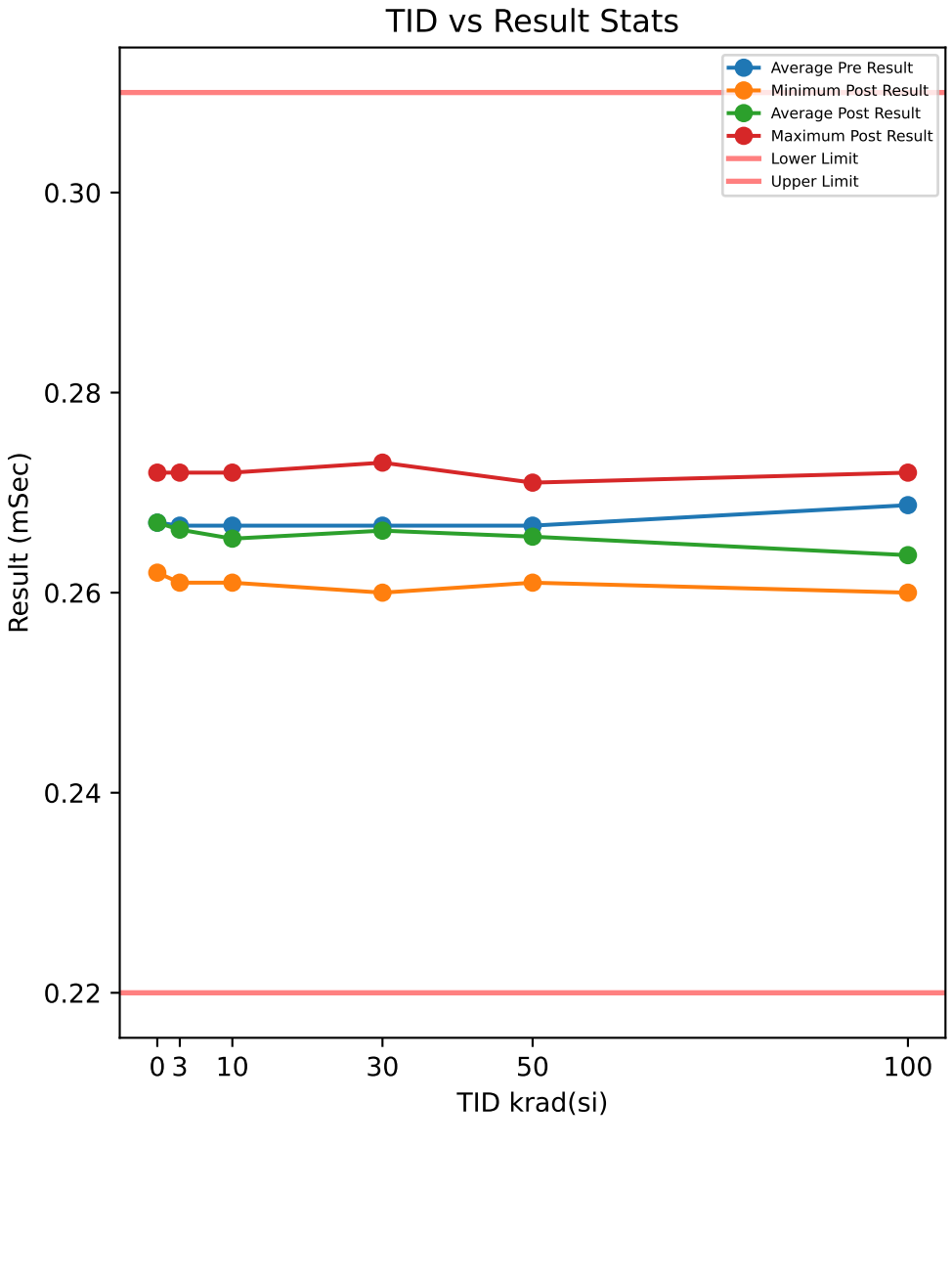

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

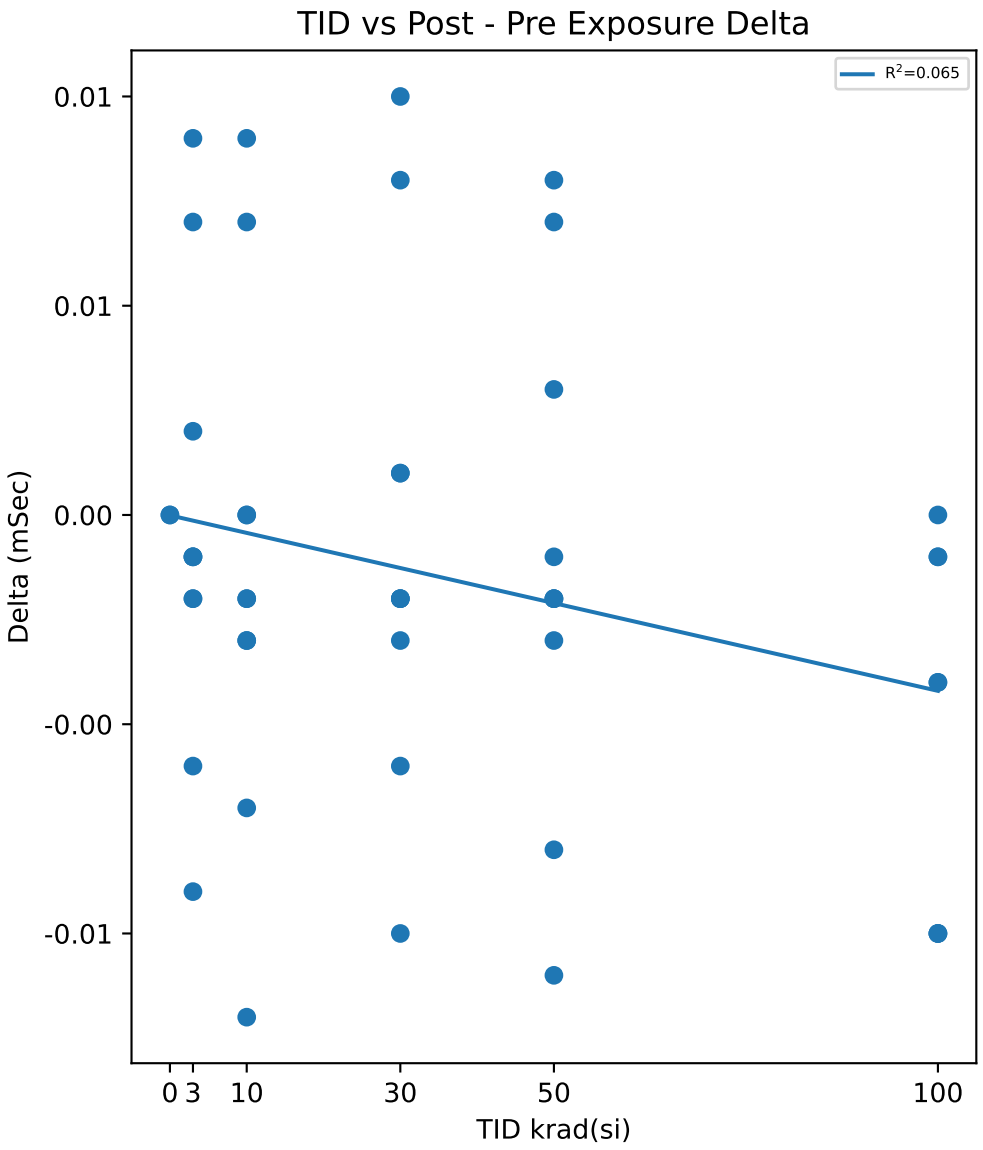
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.269 | 0.269 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 18 | 3 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 19 | 3 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 20 | 3 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 21 | 3 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.269 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.263 | 0.263 | 0 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.27 | 0.269 | -0.001 |
| 46 | 10 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 48 | 10 | LDR-Biased | 0.271 | 0.271 | 0 |
| 49 | 10 | LDR-Biased | 0.265 | 0.262 | -0.003 |
| 50 | 10 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 51 | 10 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.263 | 0.263 | 0 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.27 | 0.269 | -0.001 |
| 76 | 30 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 78 | 30 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 79 | 30 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 80 | 30 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 81 | 30 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.27 | 0.27 | 0 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 87 | 100 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 88 | 100 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 90 | 100 | LDR-Biased | 0.271 | 0.271 | 0 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.269 | 0.26 | -0.009 |
| 106 | 50 | LDR-Biased | 0.272 | 0.261 | -0.011 |
| 108 | 50 | LDR-Biased | 0.271 | 0.268 | -0.003 |
| 109 | 50 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 110 | 50 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 111 | 50 | LDR-Biased | 0.26 | 0.262 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.269 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.27 | 0.268 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.2655 | 0.269 | 0.0049497 | 0.262 | 0.2655 | 0.269 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2655 | 0.272 | 0.00479 | 0.259 | 0.2648 | 0.272 | 0.0047563 | -0.009 | -0.0007 | 0.012 | 0.0066005 |
| 10 | 0.26 | 0.2655 | 0.272 | 0.00479 | 0.26 | 0.265 | 0.271 | 0.004397 | -0.01 | -0.0005 | 0.01 | 0.0063465 |
| 30 | 0.26 | 0.2655 | 0.272 | 0.00479 | 0.259 | 0.2649 | 0.272 | 0.0050211 | -0.008 | -0.0006 | 0.012 | 0.0066366 |
| 50 | 0.26 | 0.2655 | 0.272 | 0.00479 | 0.258 | 0.264 | 0.27 | 0.0042687 | -0.011 | -0.0015 | 0.01 | 0.0065701 |
| 100 | 0.261 | 0.26738 | 0.272 | 0.0050973 | 0.258 | 0.26275 | 0.271 | 0.0049785 | -0.01 | -0.004625 | 0 | 0.0043404 |

# Device Test: 5.145 tdly_Res10p5K_SEQ_SU/SEQ_DONE/7/14/10.5K/0/0/@DLY_TMR_10KOHM



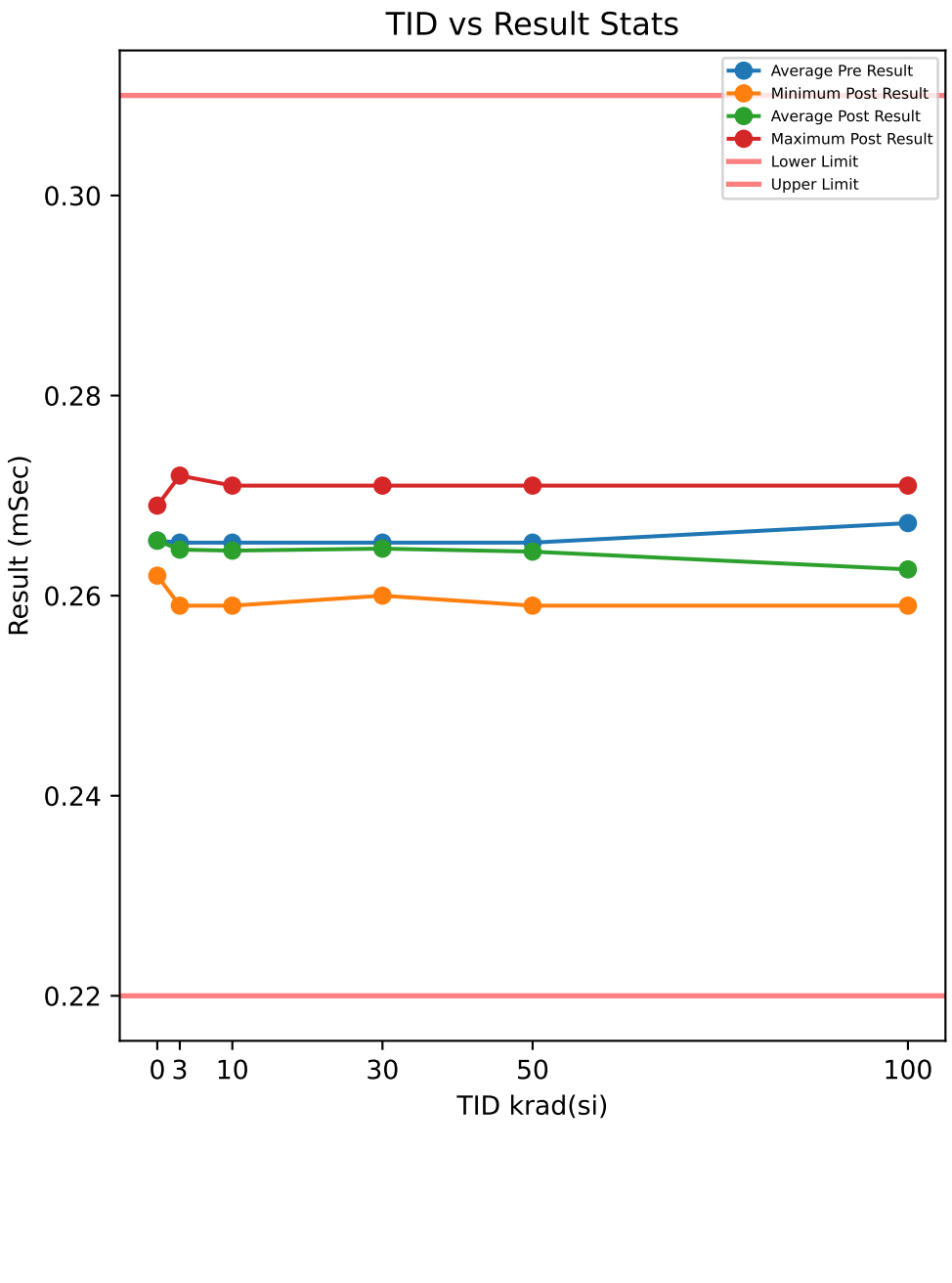

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

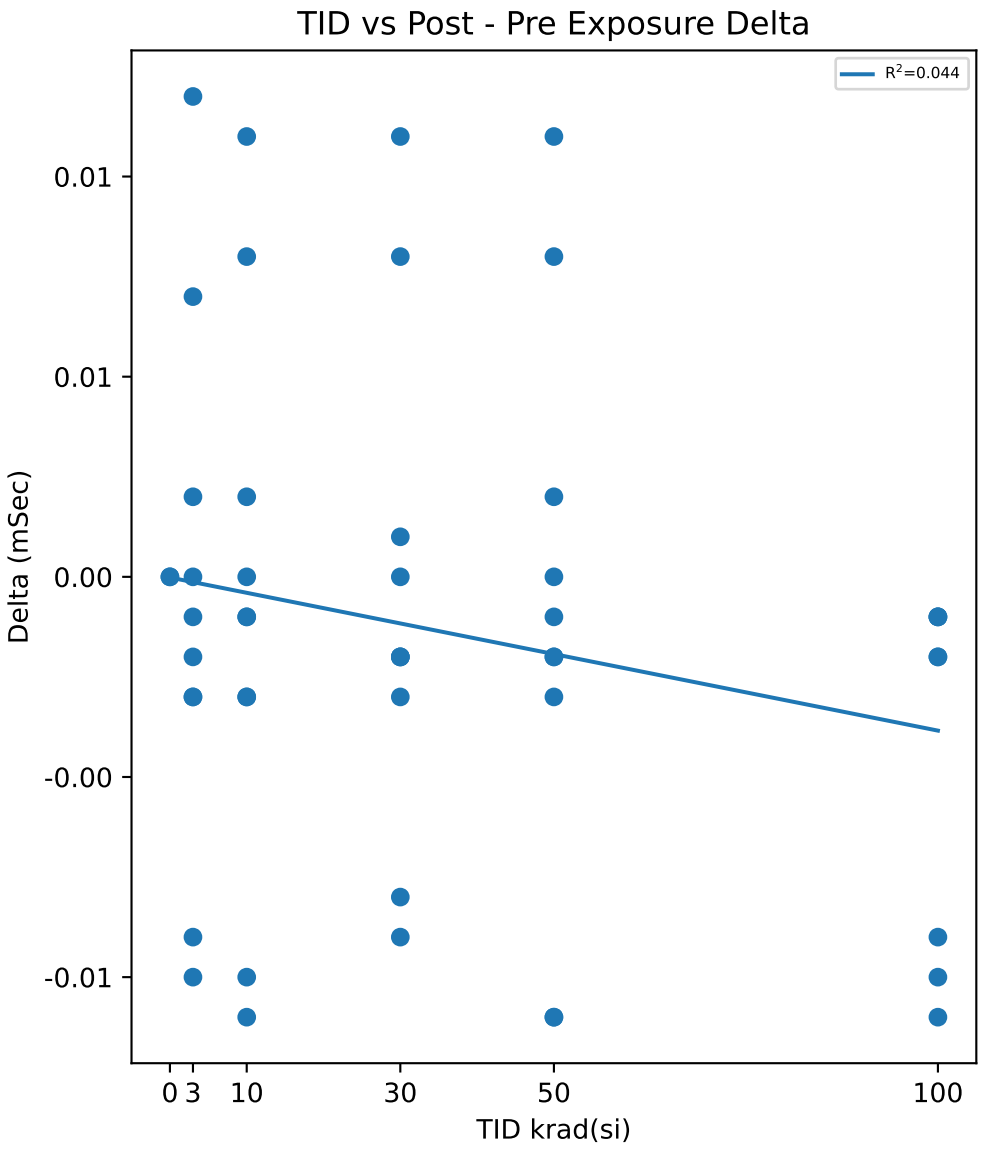
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.272 | 0.272 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 18 | 3 | LDR-Biased | 0.273 | 0.271 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 20 | 3 | LDR-Biased | 0.27 | 0.264 | -0.006 |
| 21 | 3 | LDR-Biased | 0.261 | 0.263 | 0.002 |
| 22 | 3 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.271 | -0.001 |
| 46 | 10 | LDR-Biased | 0.274 | 0.262 | -0.012 |
| 48 | 10 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 49 | 10 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 50 | 10 | LDR-Biased | 0.27 | 0.263 | -0.007 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 76 | 30 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 78 | 30 | LDR-Biased | 0.273 | 0.271 | -0.002 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.27 | 0.264 | -0.006 |
| 81 | 30 | LDR-Biased | 0.261 | 0.262 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.263 | 0.271 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.273 | 0.001 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.263 | 0.273 | 0.01 |
| 87 | 100 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 88 | 100 | LDR-Biased | 0.272 | 0.272 | 0 |
| 90 | 100 | LDR-Biased | 0.273 | 0.269 | -0.004 |
| 91 | 100 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.273 | 0.263 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 106 | 50 | LDR-Biased | 0.274 | 0.263 | -0.011 |
| 108 | 50 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 109 | 50 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 110 | 50 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 111 | 50 | LDR-Biased | 0.261 | 0.264 | 0.003 |
| 112 | 50 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.263 | 0.271 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.267 | 0.272 | 0.0070711 | 0.262 | 0.267 | 0.272 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2667 | 0.274 | 0.0049453 | 0.261 | 0.2663 | 0.272 | 0.0041913 | -0.009 | -0.0004 | 0.009 | 0.005379 |
| 10 | 0.261 | 0.2667 | 0.274 | 0.0049453 | 0.261 | 0.2654 | 0.272 | 0.0043256 | -0.012 | -0.0013 | 0.009 | 0.0060745 |
| 30 | 0.261 | 0.2667 | 0.274 | 0.0049453 | 0.26 | 0.2662 | 0.273 | 0.0051597 | -0.01 | -0.0005 | 0.01 | 0.0059675 |
| 50 | 0.261 | 0.2667 | 0.274 | 0.0049453 | 0.261 | 0.2656 | 0.271 | 0.0040879 | -0.011 | -0.0011 | 0.008 | 0.0059339 |
| 100 | 0.261 | 0.26875 | 0.273 | 0.00512 | 0.26 | 0.26375 | 0.272 | 0.0043671 | -0.01 | -0.005 | 0 | 0.0043753 |

# Device Test: 5.146 tdly_Res10p5K_PWRGD_SU/PWRGD/7/14/10.5K/0/0/@DLY_TMR_10KOHM



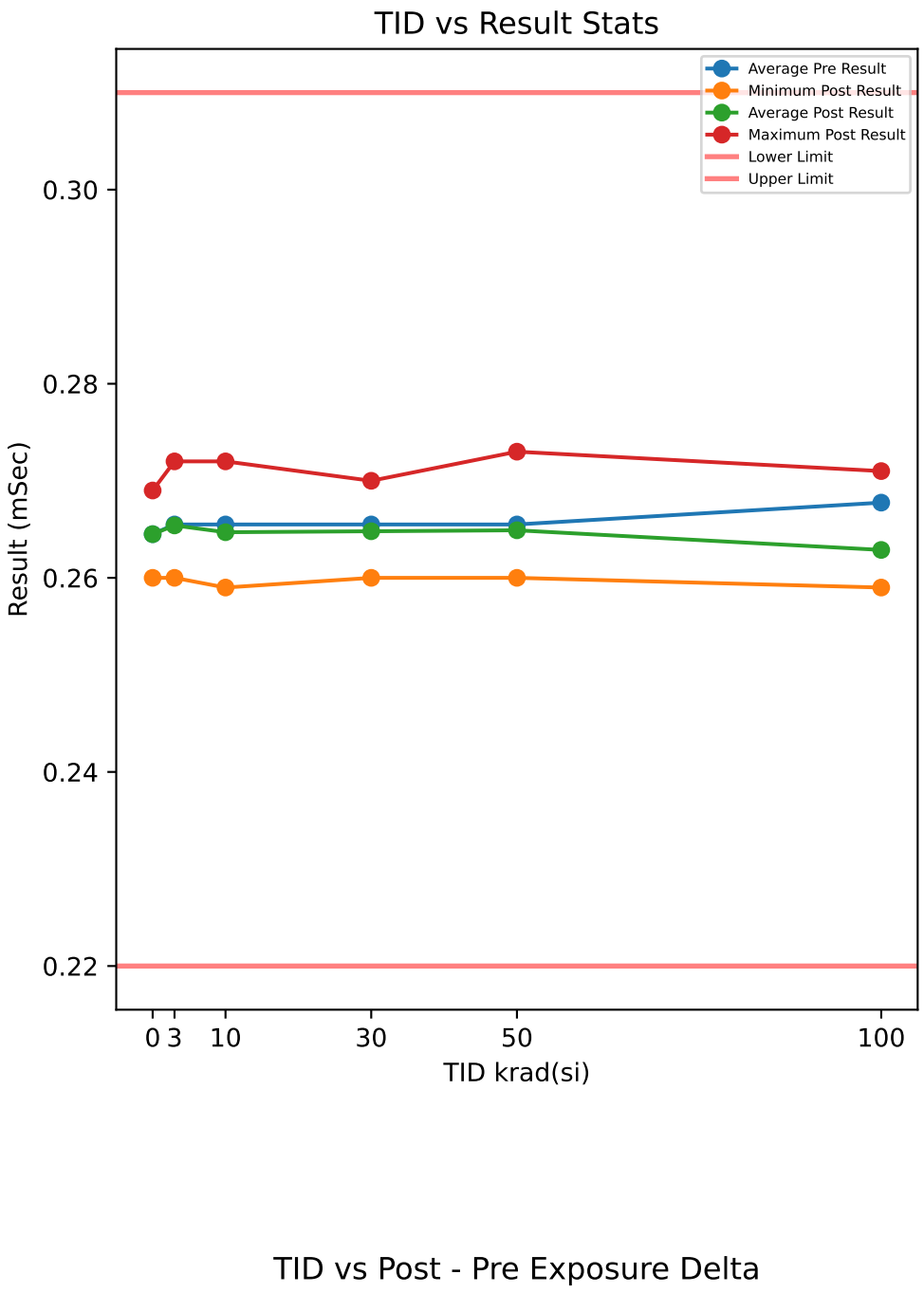

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

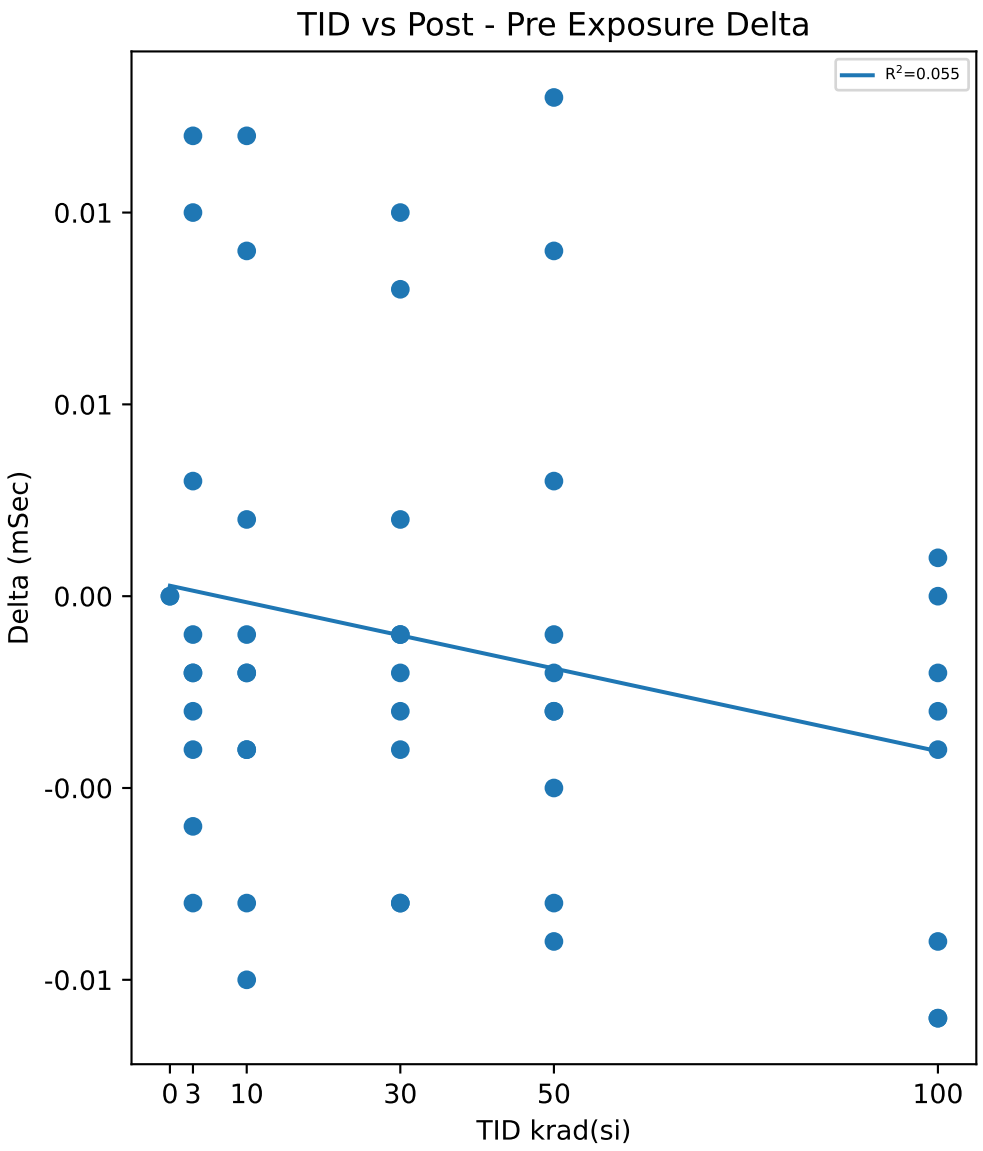
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.269 | 0.269 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 19 | 3 | LDR-Biased | 0.262 | 0.26 | -0.002 |
| 20 | 3 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 21 | 3 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.263 | 0.263 | 0 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 46 | 10 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 48 | 10 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 49 | 10 | LDR-Biased | 0.262 | 0.262 | 0 |
| 50 | 10 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 51 | 10 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 76 | 30 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 78 | 30 | LDR-Biased | 0.27 | 0.27 | 0 |
| 79 | 30 | LDR-Biased | 0.262 | 0.26 | -0.002 |
| 80 | 30 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 81 | 30 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 87 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 88 | 100 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 90 | 100 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.26 | -0.011 |
| 106 | 50 | LDR-Biased | 0.272 | 0.261 | -0.011 |
| 108 | 50 | LDR-Biased | 0.27 | 0.27 | 0 |
| 109 | 50 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 110 | 50 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 111 | 50 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.2655 | 0.269 | 0.0049497 | 0.262 | 0.2655 | 0.269 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.259 | 0.2653 | 0.272 | 0.0052715 | 0.259 | 0.2646 | 0.272 | 0.0046714 | -0.01 | -0.0007 | 0.012 | 0.0066341 |
| 10 | 0.259 | 0.2653 | 0.272 | 0.0052715 | 0.259 | 0.2645 | 0.271 | 0.0046488 | -0.011 | -0.0008 | 0.011 | 0.0068605 |
| 30 | 0.259 | 0.2653 | 0.272 | 0.0052715 | 0.26 | 0.2647 | 0.271 | 0.0047387 | -0.009 | -0.0006 | 0.011 | 0.0062218 |
| 50 | 0.259 | 0.2653 | 0.272 | 0.0052715 | 0.259 | 0.2644 | 0.271 | 0.0050816 | -0.011 | -0.0009 | 0.011 | 0.0069992 |
| 100 | 0.26 | 0.26725 | 0.272 | 0.0052576 | 0.259 | 0.26262 | 0.271 | 0.0046885 | -0.011 | -0.004625 | -0.001 | 0.004502 |

# Device Test: 5.147 tdly_Res10p5K_EN1_SD/EN1/7/14/10.5K/0/0/@DLY_TMR_10KOHM



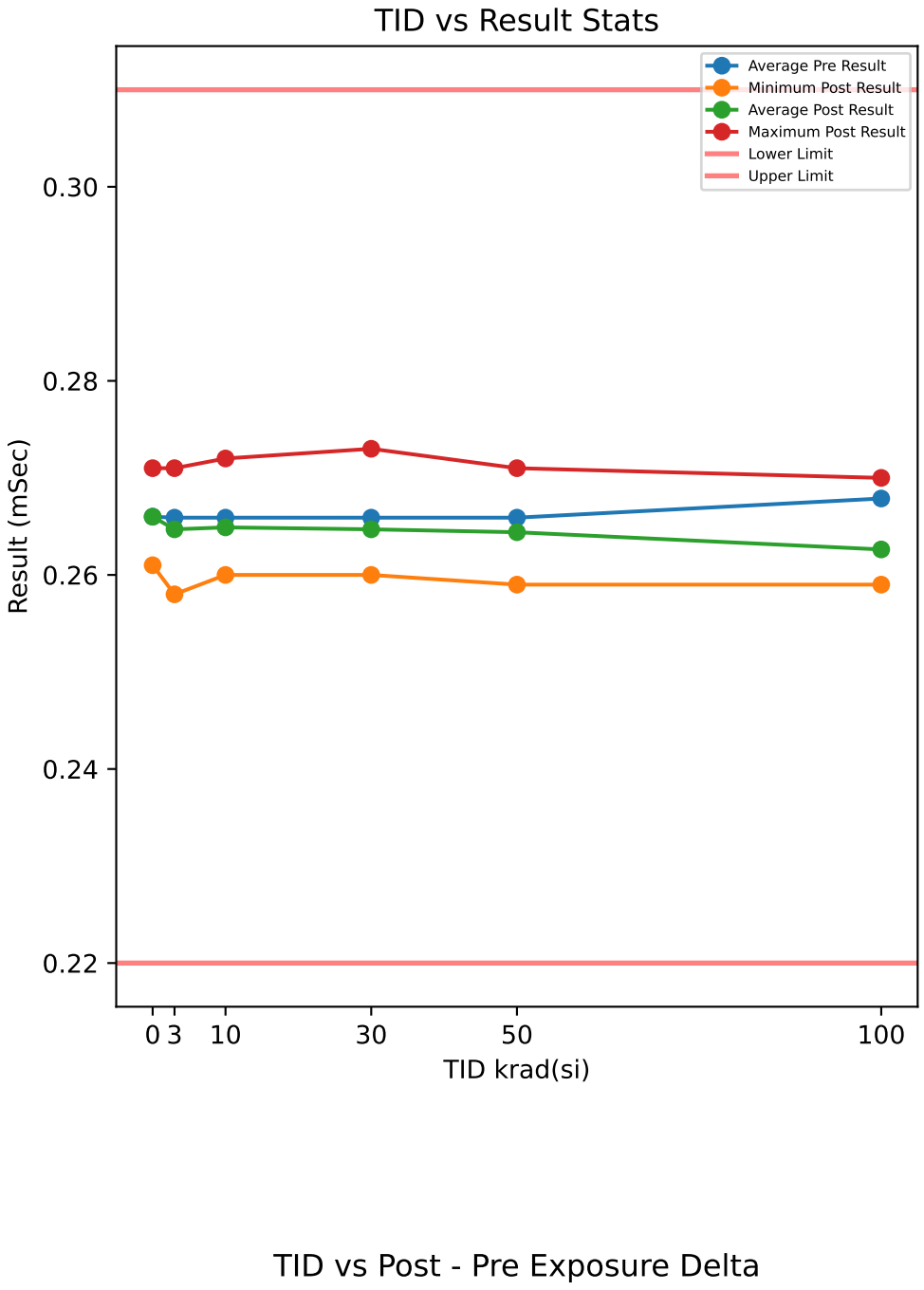

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

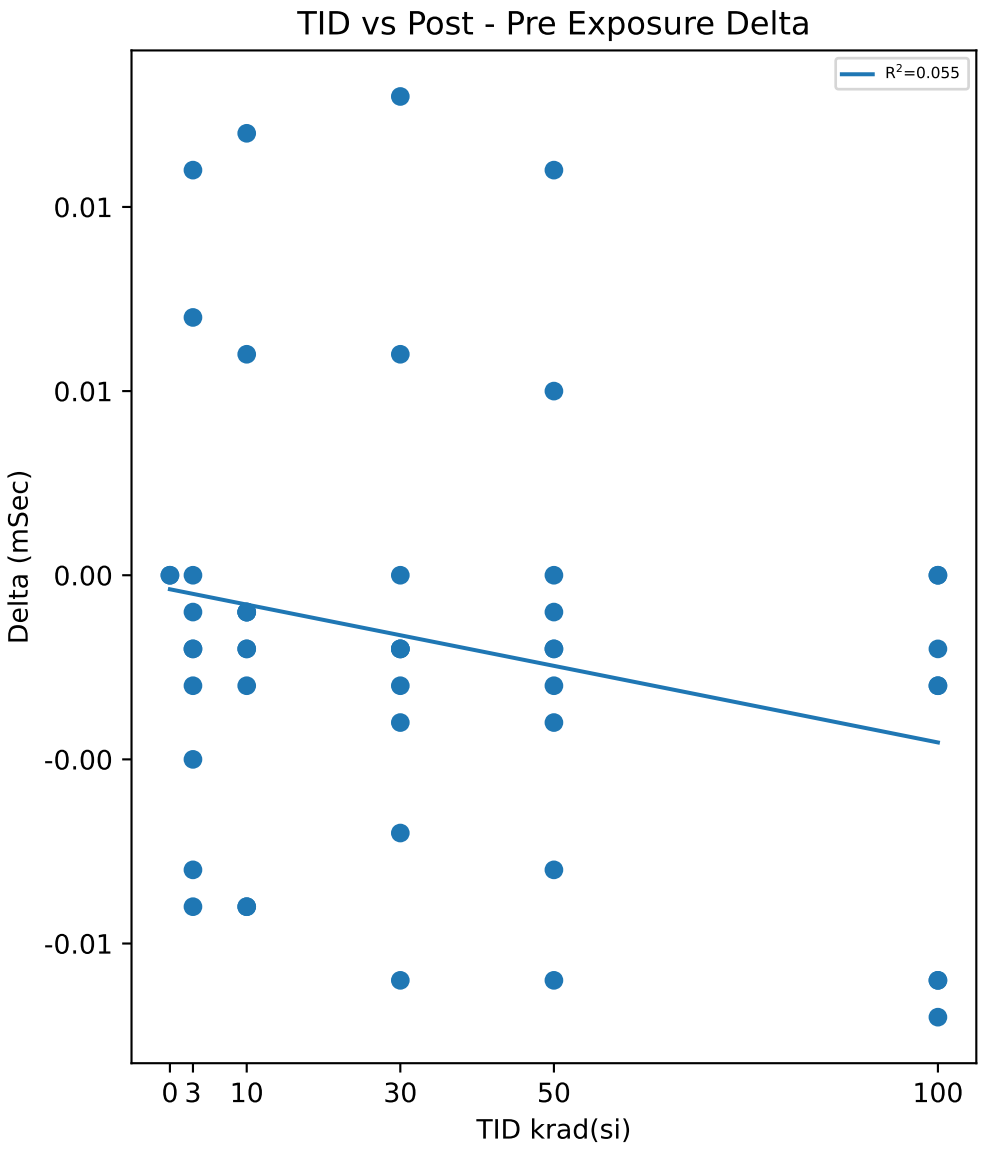
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.269 | 0.269 | 0 |
| 7 | 0 | Correlation | 0.26 | 0.26 | 0 |
| 16 | 3 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 18 | 3 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 19 | 3 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 20 | 3 | LDR-Biased | 0.269 | 0.263 | -0.006 |
| 21 | 3 | LDR-Biased | 0.259 | 0.262 | 0.003 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 46 | 10 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 48 | 10 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 49 | 10 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 50 | 10 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 51 | 10 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 76 | 30 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 78 | 30 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 79 | 30 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 80 | 30 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 81 | 30 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.269 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 87 | 100 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 88 | 100 | LDR-Biased | 0.273 | 0.269 | -0.004 |
| 90 | 100 | LDR-Biased | 0.271 | 0.271 | 0 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 94 | 100 | LDR-Unbiased | 0.273 | 0.262 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.26 | -0.011 |
| 106 | 50 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 108 | 50 | LDR-Biased | 0.272 | 0.269 | -0.003 |
| 109 | 50 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 110 | 50 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 111 | 50 | LDR-Biased | 0.259 | 0.262 | 0.003 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.273 | 0.013 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.26 | 0.2645 | 0.269 | 0.006364 | 0.26 | 0.2645 | 0.269 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.259 | 0.2655 | 0.272 | 0.0049046 | 0.26 | 0.2654 | 0.272 | 0.0047188 | -0.008 | -0.0001 | 0.012 | 0.0065566 |
| 10 | 0.259 | 0.2655 | 0.272 | 0.0049046 | 0.259 | 0.2647 | 0.272 | 0.0051001 | -0.01 | -0.0008 | 0.012 | 0.0068928 |
| 30 | 0.259 | 0.2655 | 0.272 | 0.0049046 | 0.26 | 0.2648 | 0.27 | 0.0043665 | -0.008 | -0.0007 | 0.01 | 0.0059824 |
| 50 | 0.259 | 0.2655 | 0.272 | 0.0049046 | 0.26 | 0.2649 | 0.273 | 0.0050211 | -0.009 | -0.0006 | 0.013 | 0.0070585 |
| 100 | 0.259 | 0.26775 | 0.273 | 0.0057259 | 0.259 | 0.26288 | 0.271 | 0.0045493 | -0.011 | -0.004875 | 0.001 | 0.0048237 |

# Device Test: 5.148 tdly_Res10p5K_EN2_SD/EN2/7/14/10.5K/0/0/@DLY_TMR_10KOHM



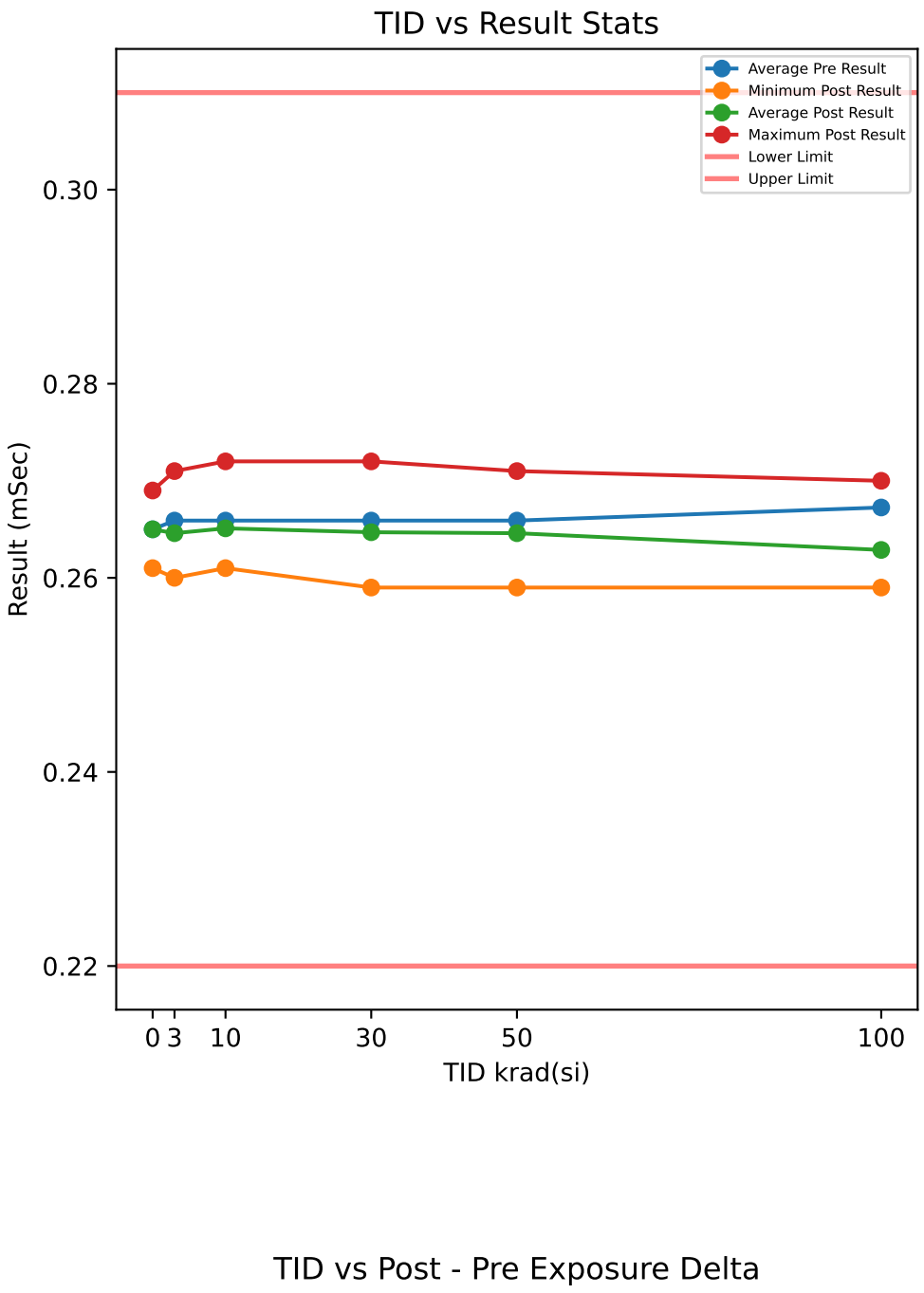

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

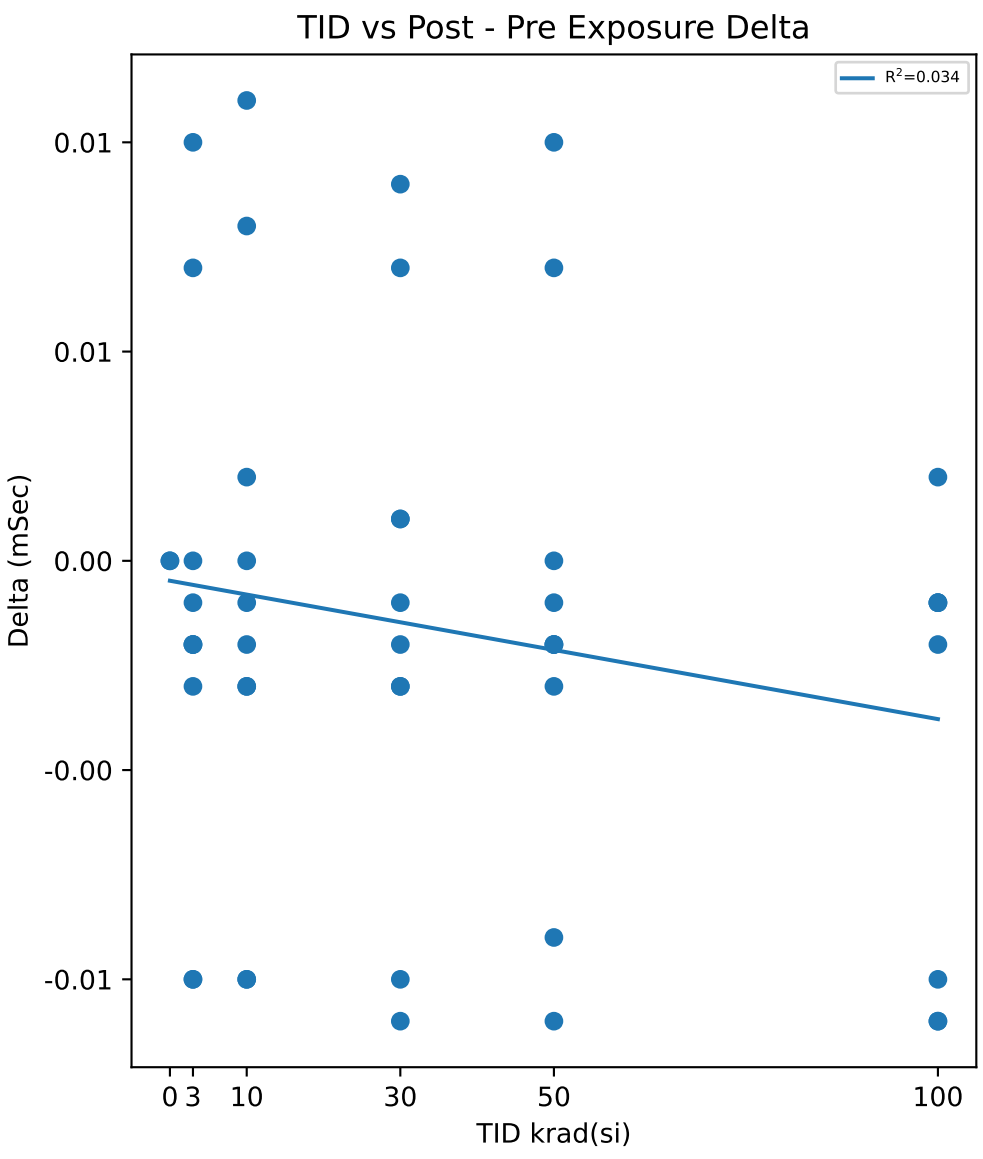
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.271 | 0.271 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 18 | 3 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 19 | 3 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 20 | 3 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.264 | 0.271 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.268 | -0.003 |
| 46 | 10 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 48 | 10 | LDR-Biased | 0.272 | 0.269 | -0.003 |
| 49 | 10 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 50 | 10 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 51 | 10 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.264 | 0.27 | 0.006 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 76 | 30 | LDR-Biased | 0.271 | 0.264 | -0.007 |
| 78 | 30 | LDR-Biased | 0.272 | 0.268 | -0.004 |
| 79 | 30 | LDR-Biased | 0.262 | 0.26 | -0.002 |
| 80 | 30 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 81 | 30 | LDR-Biased | 0.261 | 0.261 | 0 |
| 82 | 30 | LDR-Unbiased | 0.264 | 0.27 | 0.006 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.273 | 0.013 |
| 87 | 100 | LDR-Biased | 0.26 | 0.26 | 0 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.27 | 0.27 | 0 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.261 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.26 | -0.011 |
| 96 | 100 | LDR-Unbiased | 0.272 | 0.26 | -0.012 |
| 106 | 50 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 108 | 50 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 109 | 50 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 110 | 50 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 111 | 50 | LDR-Biased | 0.261 | 0.261 | 0 |
| 112 | 50 | LDR-Unbiased | 0.264 | 0.269 | 0.005 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.266 | 0.271 | 0.0070711 | 0.261 | 0.266 | 0.271 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2659 | 0.272 | 0.0047714 | 0.258 | 0.2647 | 0.271 | 0.0048086 | -0.009 | -0.0012 | 0.011 | 0.0061788 |
| 10 | 0.26 | 0.2659 | 0.272 | 0.0047714 | 0.26 | 0.2649 | 0.272 | 0.0045326 | -0.009 | -0.001 | 0.012 | 0.0062539 |
| 30 | 0.26 | 0.2659 | 0.272 | 0.0047714 | 0.26 | 0.2647 | 0.273 | 0.0048774 | -0.011 | -0.0012 | 0.013 | 0.0066466 |
| 50 | 0.26 | 0.2659 | 0.272 | 0.0047714 | 0.259 | 0.2644 | 0.271 | 0.0047422 | -0.011 | -0.0015 | 0.011 | 0.0061689 |
| 100 | 0.26 | 0.26788 | 0.273 | 0.0052763 | 0.259 | 0.26262 | 0.27 | 0.0045962 | -0.012 | -0.00525 | 0 | 0.0051755 |

# Device Test: 5.149 tdly_Res10p5K_EN3_SD/EN3/7/14/10.5K/0/0/@DLY_TMR_10KOHM



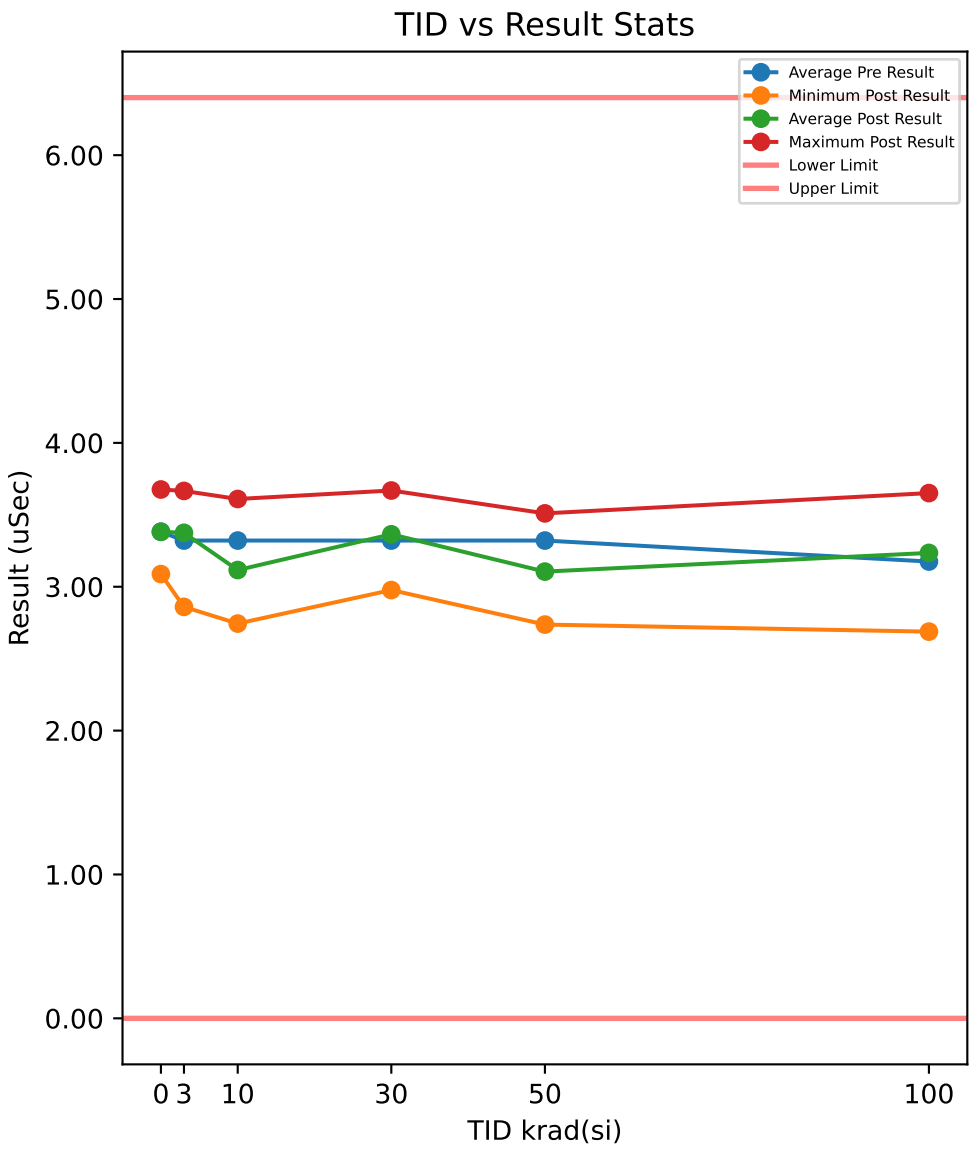

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

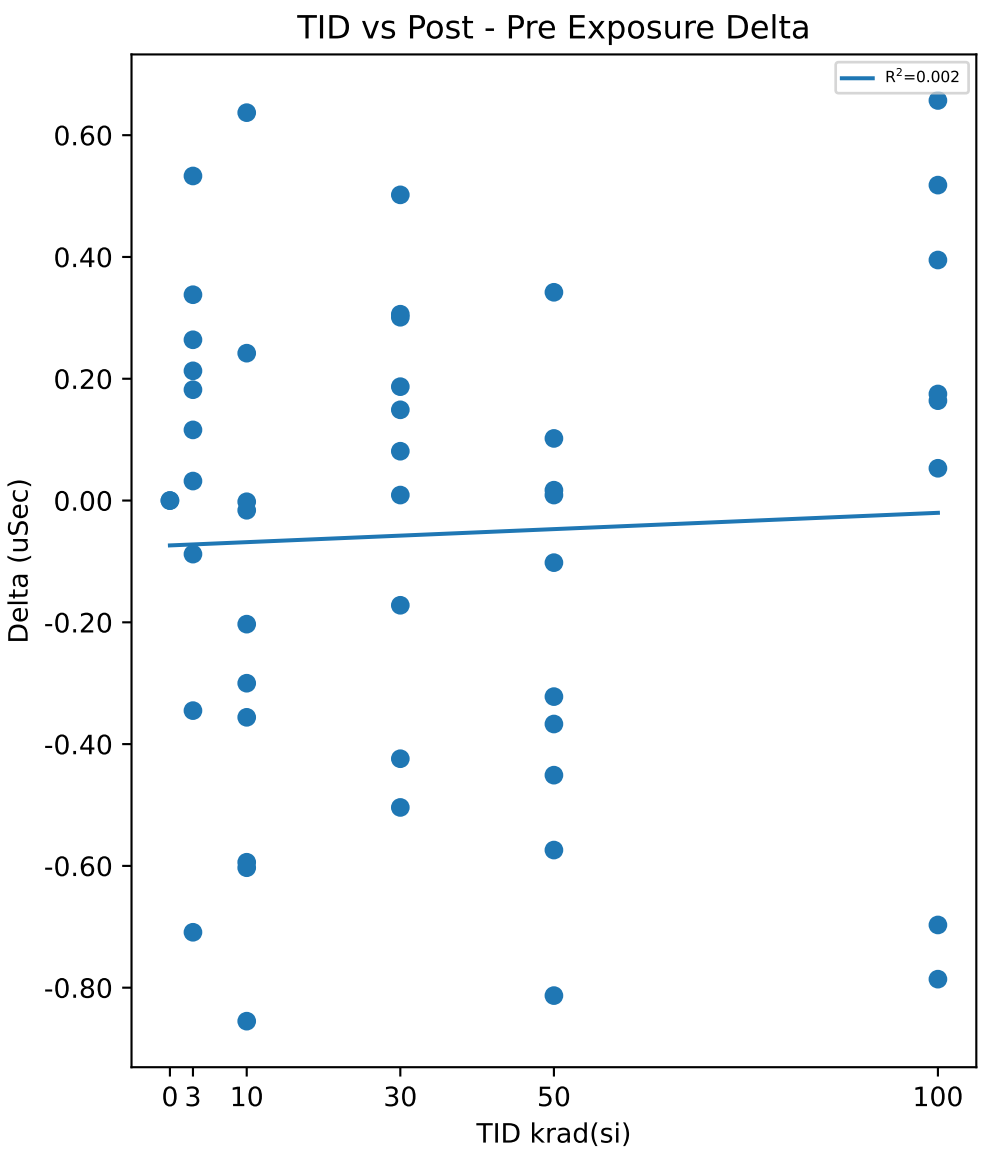
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.269 | 0.269 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 18 | 3 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 20 | 3 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 21 | 3 | LDR-Biased | 0.26 | 0.26 | 0 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 46 | 10 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 48 | 10 | LDR-Biased | 0.271 | 0.268 | -0.003 |
| 49 | 10 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 50 | 10 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 51 | 10 | LDR-Biased | 0.26 | 0.262 | 0.002 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.262 | 0 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 76 | 30 | LDR-Biased | 0.273 | 0.262 | -0.011 |
| 78 | 30 | LDR-Biased | 0.271 | 0.272 | 0.001 |
| 79 | 30 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 80 | 30 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 81 | 30 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 87 | 100 | LDR-Biased | 0.259 | 0.261 | 0.002 |
| 88 | 100 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 90 | 100 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.273 | 0.262 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.261 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.26 | -0.011 |
| 106 | 50 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 108 | 50 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 109 | 50 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 110 | 50 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 111 | 50 | LDR-Biased | 0.26 | 0.26 | 0 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.265 | 0.269 | 0.0056569 | 0.261 | 0.265 | 0.269 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2659 | 0.273 | 0.0049989 | 0.26 | 0.2646 | 0.271 | 0.0043767 | -0.01 | -0.0013 | 0.01 | 0.0062725 |
| 10 | 0.26 | 0.2659 | 0.273 | 0.0049989 | 0.261 | 0.2651 | 0.272 | 0.0041753 | -0.01 | -0.0008 | 0.011 | 0.0067132 |
| 30 | 0.26 | 0.2659 | 0.273 | 0.0049989 | 0.259 | 0.2647 | 0.272 | 0.0047387 | -0.011 | -0.0012 | 0.009 | 0.0063386 |
| 50 | 0.26 | 0.2659 | 0.273 | 0.0049989 | 0.259 | 0.2646 | 0.271 | 0.0045019 | -0.011 | -0.0013 | 0.01 | 0.0062902 |
| 100 | 0.259 | 0.26725 | 0.273 | 0.0060651 | 0.259 | 0.26288 | 0.27 | 0.0044861 | -0.011 | -0.004375 | 0.002 | 0.0053436 |

# Device Test: 5.15 tpd_EN4_SU/EN4/1.6/14/0/0/0/@TPD_EN



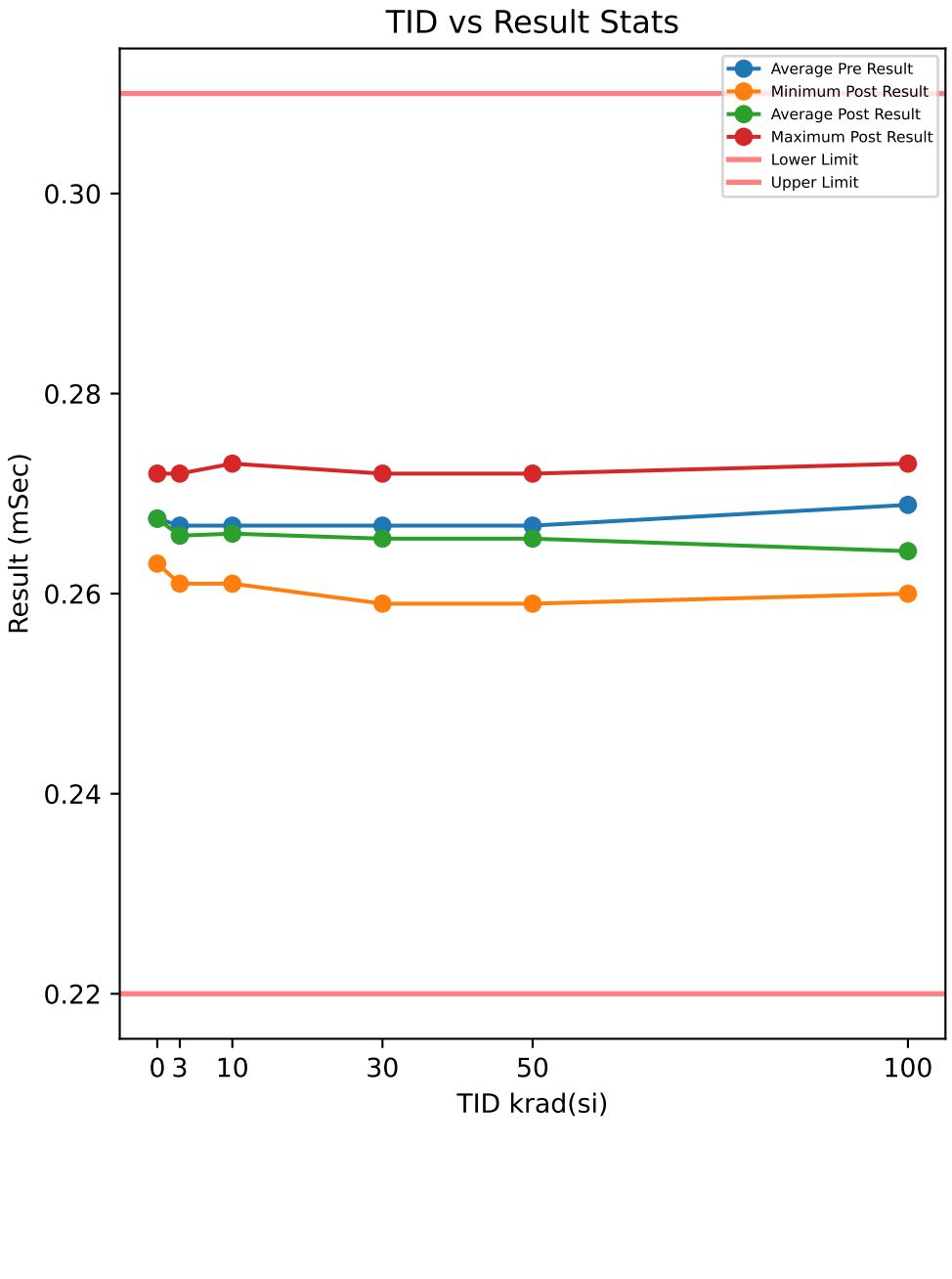

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

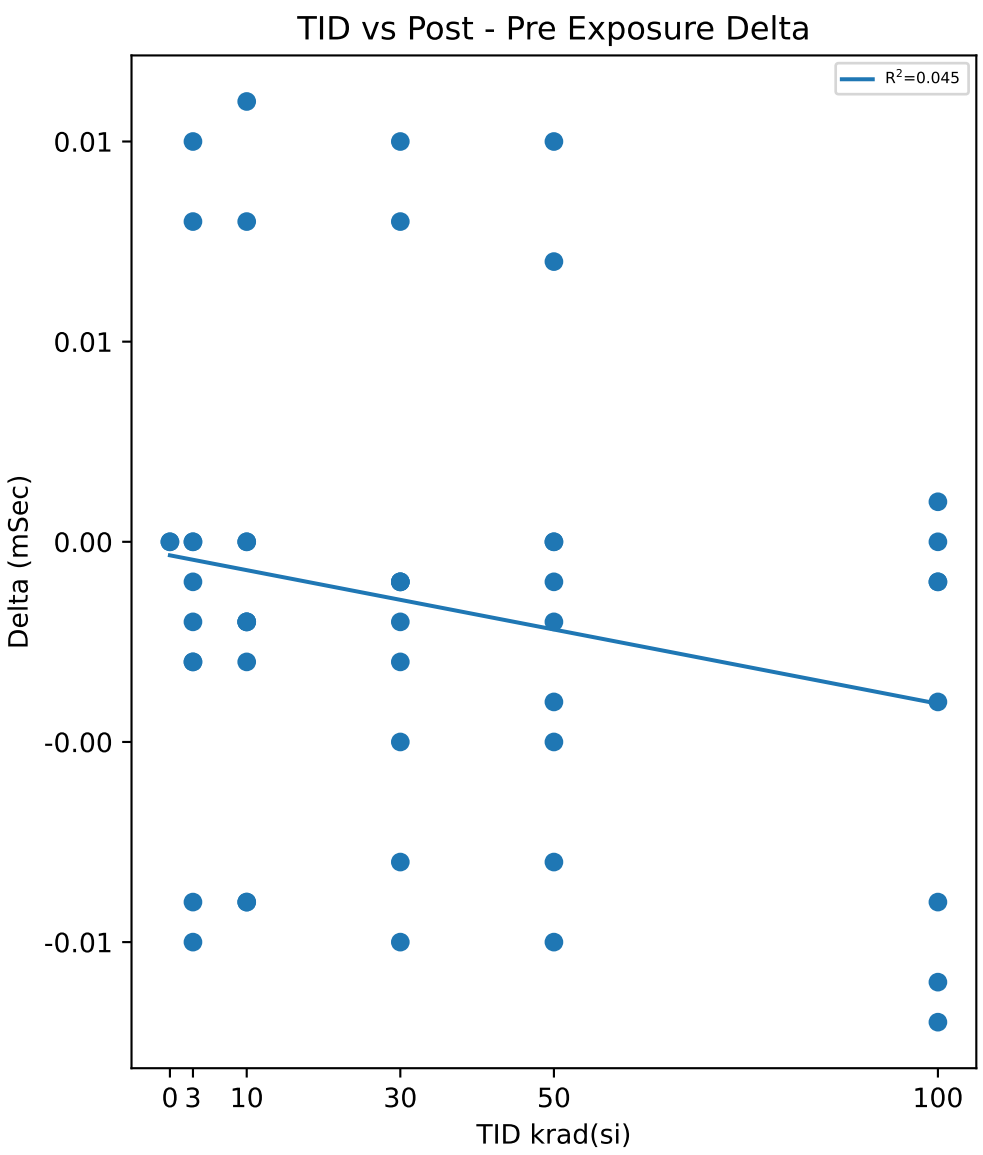
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.088 | 3.088 | 0 |
| 7 | 0 | Correlation | 3.676 | 3.676 | 0 |
| 16 | 3 | LDR-Biased | 3.734 | 3.389 | -0.345 |
| 18 | 3 | LDR-Biased | 2.934 | 3.467 | 0.533 |
| 19 | 3 | LDR-Biased | 3.265 | 3.529 | 0.264 |
| 20 | 3 | LDR-Biased | 3.362 | 3.575 | 0.213 |
| 21 | 3 | LDR-Biased | 2.828 | 2.86 | 0.032 |
| 22 | 3 | LDR-Unbiased | 3.16 | 3.342 | 0.182 |
| 23 | 3 | LDR-Unbiased | 3.167 | 3.505 | 0.338 |
| 25 | 3 | LDR-Unbiased | 3.599 | 3.511 | -0.088 |
| 26 | 3 | LDR-Unbiased | 3.55 | 3.666 | 0.116 |
| 27 | 3 | LDR-Unbiased | 3.612 | 2.903 | -0.709 |
| 46 | 10 | LDR-Biased | 3.734 | 3.14 | -0.594 |
| 48 | 10 | LDR-Biased | 2.934 | 2.918 | -0.016 |
| 49 | 10 | LDR-Biased | 3.265 | 2.909 | -0.356 |
| 50 | 10 | LDR-Biased | 3.362 | 3.604 | 0.242 |
| 51 | 10 | LDR-Biased | 2.828 | 3.465 | 0.637 |
| 52 | 10 | LDR-Unbiased | 3.16 | 2.86 | -0.3 |
| 53 | 10 | LDR-Unbiased | 3.167 | 2.964 | -0.203 |
| 55 | 10 | LDR-Unbiased | 3.599 | 2.744 | -0.855 |
| 56 | 10 | LDR-Unbiased | 3.55 | 2.947 | -0.603 |
| 57 | 10 | LDR-Unbiased | 3.612 | 3.61 | -0.002 |
| 76 | 30 | LDR-Biased | 3.734 | 3.31 | -0.424 |
| 78 | 30 | LDR-Biased | 2.934 | 3.235 | 0.301 |
| 79 | 30 | LDR-Biased | 3.265 | 3.346 | 0.081 |
| 80 | 30 | LDR-Biased | 3.362 | 3.668 | 0.306 |
| 81 | 30 | LDR-Biased | 2.828 | 2.977 | 0.149 |
| 82 | 30 | LDR-Unbiased | 3.16 | 3.347 | 0.187 |
| 83 | 30 | LDR-Unbiased | 3.167 | 3.669 | 0.502 |
| 84 | 30 | LDR-Unbiased | 3.612 | 3.44 | -0.172 |
| 85 | 30 | LDR-Unbiased | 3.599 | 3.608 | 0.009 |
| 86 | 30 | LDR-Unbiased | 3.55 | 3.046 | -0.504 |
| 87 | 100 | LDR-Biased | 3.194 | 3.369 | 0.175 |
| 88 | 100 | LDR-Biased | 3.561 | 2.775 | -0.786 |
| 90 | 100 | LDR-Biased | 3.385 | 2.688 | -0.697 |
| 91 | 100 | LDR-Unbiased | 2.915 | 3.079 | 0.164 |
| 93 | 100 | LDR-Unbiased | 3.304 | 3.357 | 0.053 |
| 94 | 100 | LDR-Unbiased | 3.256 | 3.651 | 0.395 |
| 95 | 100 | LDR-Unbiased | 2.78 | 3.437 | 0.657 |
| 96 | 100 | LDR-Unbiased | 3.007 | 3.525 | 0.518 |
| 106 | 50 | LDR-Biased | 3.734 | 3.283 | -0.451 |
| 108 | 50 | LDR-Biased | 2.934 | 2.951 | 0.017 |
| 109 | 50 | LDR-Biased | 3.265 | 2.943 | -0.322 |
| 110 | 50 | LDR-Biased | 3.362 | 2.788 | -0.574 |
| 111 | 50 | LDR-Biased | 2.828 | 2.837 | 0.009 |
| 112 | 50 | LDR-Unbiased | 3.16 | 3.262 | 0.102 |
| 113 | 50 | LDR-Unbiased | 3.167 | 3.509 | 0.342 |
| 115 | 50 | LDR-Unbiased | 3.599 | 3.232 | -0.367 |
| 116 | 50 | LDR-Unbiased | 3.55 | 2.737 | -0.813 |
| 117 | 50 | LDR-Unbiased | 3.612 | 3.51 | -0.102 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.088 | 3.382 | 3.676 | 0.41578 | 3.088 | 3.382 | 3.676 | 0.41578 | 0 | 0 | 0 | 0 |
| 3 | 2.828 | 3.3211 | 3.734 | 0.30409 | 2.86 | 3.3747 | 3.666 | 0.27519 | -0.709 | 0.0536 | 0.533 | 0.35928 |
| 10 | 2.828 | 3.3211 | 3.734 | 0.30409 | 2.744 | 3.1161 | 3.61 | 0.32356 | -0.855 | -0.205 | 0.637 | 0.44093 |
| 30 | 2.828 | 3.3211 | 3.734 | 0.30409 | 2.977 | 3.3646 | 3.669 | 0.24079 | -0.504 | 0.0435 | 0.502 | 0.32395 |
| 50 | 2.828 | 3.3211 | 3.734 | 0.30409 | 2.737 | 3.1052 | 3.51 | 0.2901 | -0.813 | -0.2159 | 0.342 | 0.35027 |
| 100 | 2.78 | 3.1753 | 3.561 | 0.25871 | 2.688 | 3.2351 | 3.651 | 0.35172 | -0.786 | 0.059875 | 0.657 | 0.53335 |

# Device Test: 5.150 tdly_Res10p5K_EN4_SD/EN4/7/14/10.5K/0/0/@DLY_TMR_10KOHM




Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

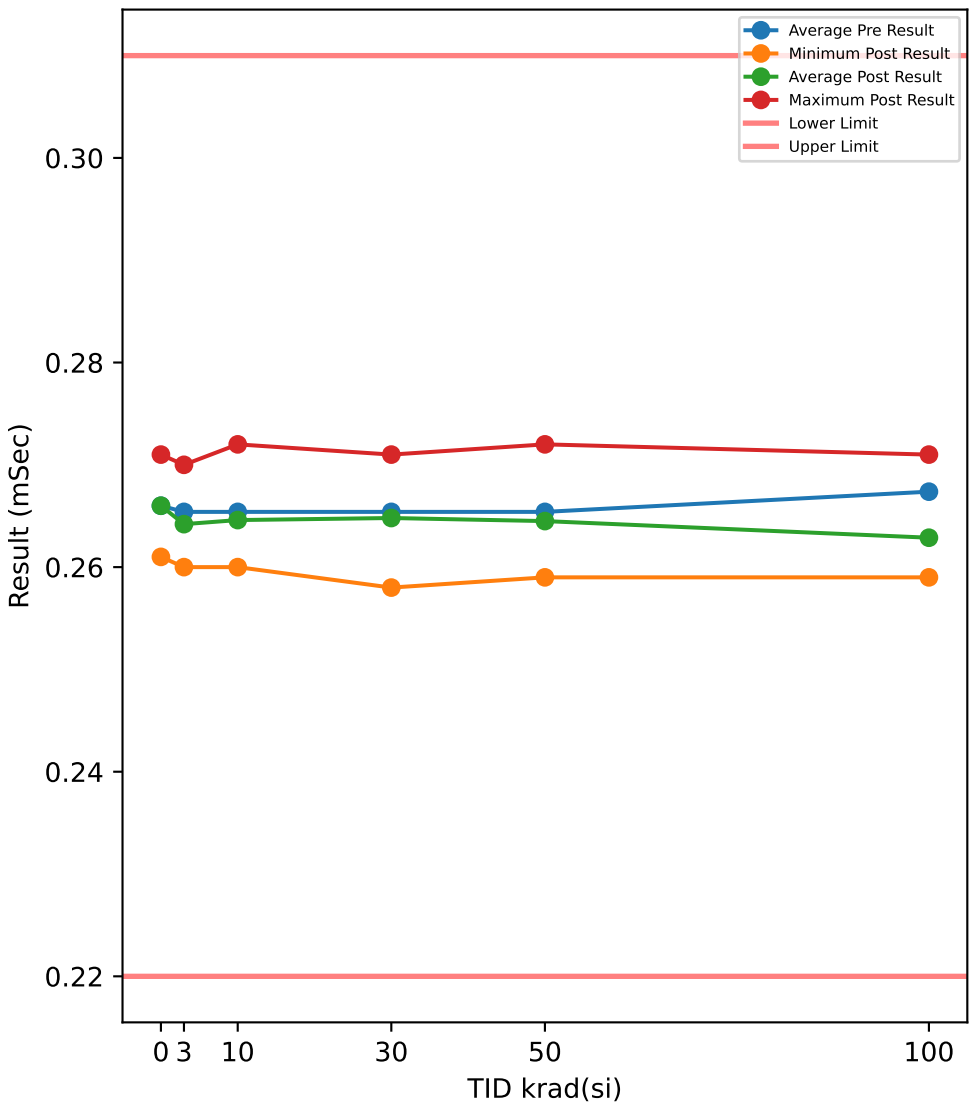
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.272 | 0.272 | 0 |
| 7 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 16 | 3 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 18 | 3 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 19 | 3 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 20 | 3 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 21 | 3 | LDR-Biased | 0.262 | 0.262 | 0 |
| 22 | 3 | LDR-Unbiased | 0.263 | 0.271 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 25 | 3 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 46 | 10 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 48 | 10 | LDR-Biased | 0.273 | 0.271 | -0.002 |
| 49 | 10 | LDR-Biased | 0.263 | 0.261 | -0.002 |
| 50 | 10 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 51 | 10 | LDR-Biased | 0.262 | 0.262 | 0 |
| 52 | 10 | LDR-Unbiased | 0.263 | 0.271 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 55 | 10 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.262 | 0.273 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 76 | 30 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 78 | 30 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 79 | 30 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 80 | 30 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 81 | 30 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.263 | 0.271 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 87 | 100 | LDR-Biased | 0.261 | 0.262 | 0.001 |
| 88 | 100 | LDR-Biased | 0.273 | 0.272 | -0.001 |
| 90 | 100 | LDR-Biased | 0.273 | 0.273 | 0 |
| 91 | 100 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.262 | 0.261 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.273 | 0.262 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.274 | 0.262 | -0.012 |
| 106 | 50 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 108 | 50 | LDR-Biased | 0.273 | 0.269 | -0.004 |
| 109 | 50 | LDR-Biased | 0.263 | 0.261 | -0.002 |
| 110 | 50 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 111 | 50 | LDR-Biased | 0.262 | 0.262 | 0 |
| 112 | 50 | LDR-Unbiased | 0.263 | 0.27 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.272 | 0 |

Test Statistics (mSec)

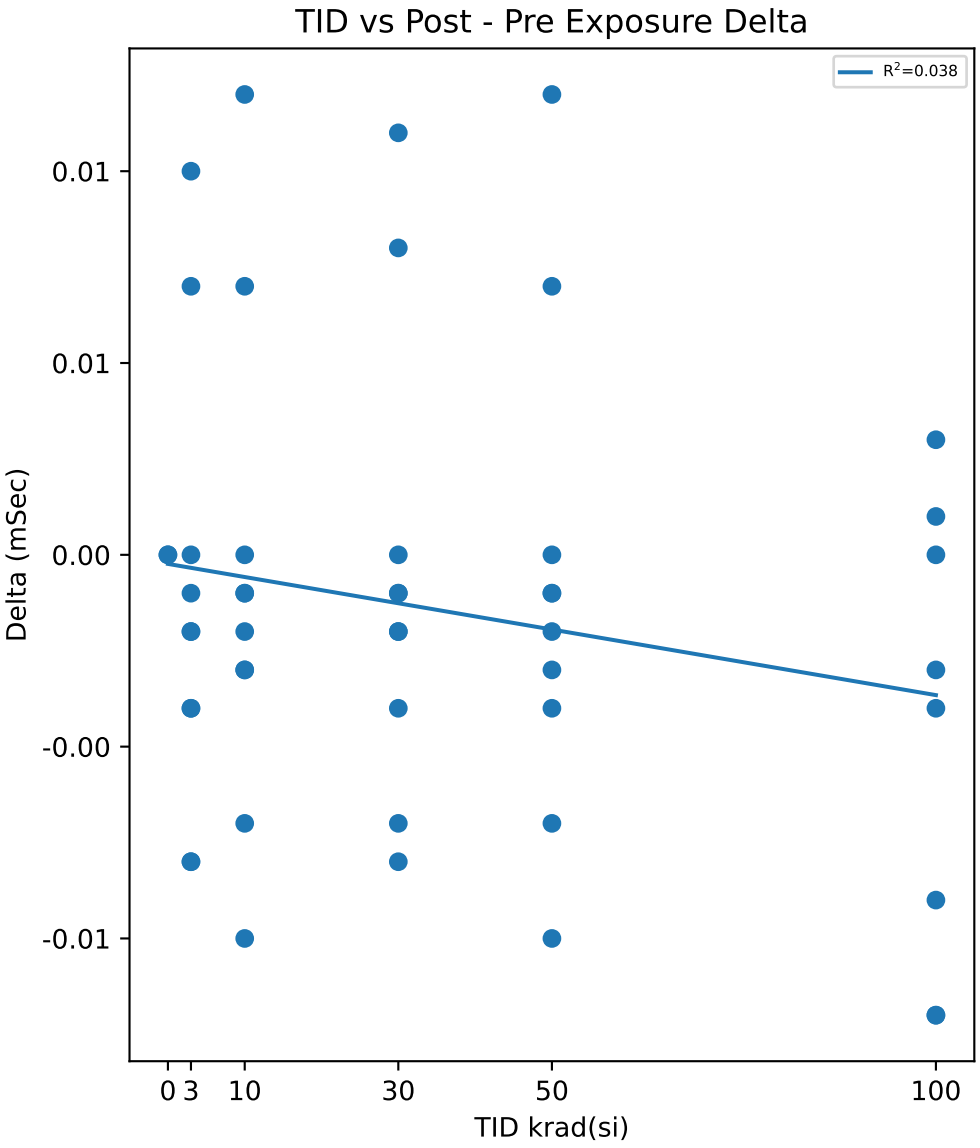
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.2675 | 0.272 | 0.006364 | 0.263 | 0.2675 | 0.272 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.262 | 0.2668 | 0.274 | 0.0050067 | 0.261 | 0.2658 | 0.272 | 0.0043919 | -0.01 | -0.001 | 0.01 | 0.006307 |
| 10 | 0.262 | 0.2668 | 0.274 | 0.0050067 | 0.261 | 0.266 | 0.273 | 0.0047376 | -0.009 | -0.0008 | 0.011 | 0.0063386 |
| 30 | 0.262 | 0.2668 | 0.274 | 0.0050067 | 0.259 | 0.2655 | 0.272 | 0.0047434 | -0.01 | -0.0013 | 0.01 | 0.0062548 |
| 50 | 0.262 | 0.2668 | 0.274 | 0.0050067 | 0.259 | 0.2655 | 0.272 | 0.0049272 | -0.01 | -0.0013 | 0.01 | 0.0061653 |
| 100 | 0.261 | 0.26888 | 0.274 | 0.0055404 | 0.26 | 0.26425 | 0.273 | 0.0051478 | -0.012 | -0.004625 | 0.001 | 0.0052627 |

# Device Test: 5.151 tdly_Res10p5K_SEQ_SD/SEQ_DONE/7/14/10.5K/0/0/@DLY_TMR_10KOHM

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



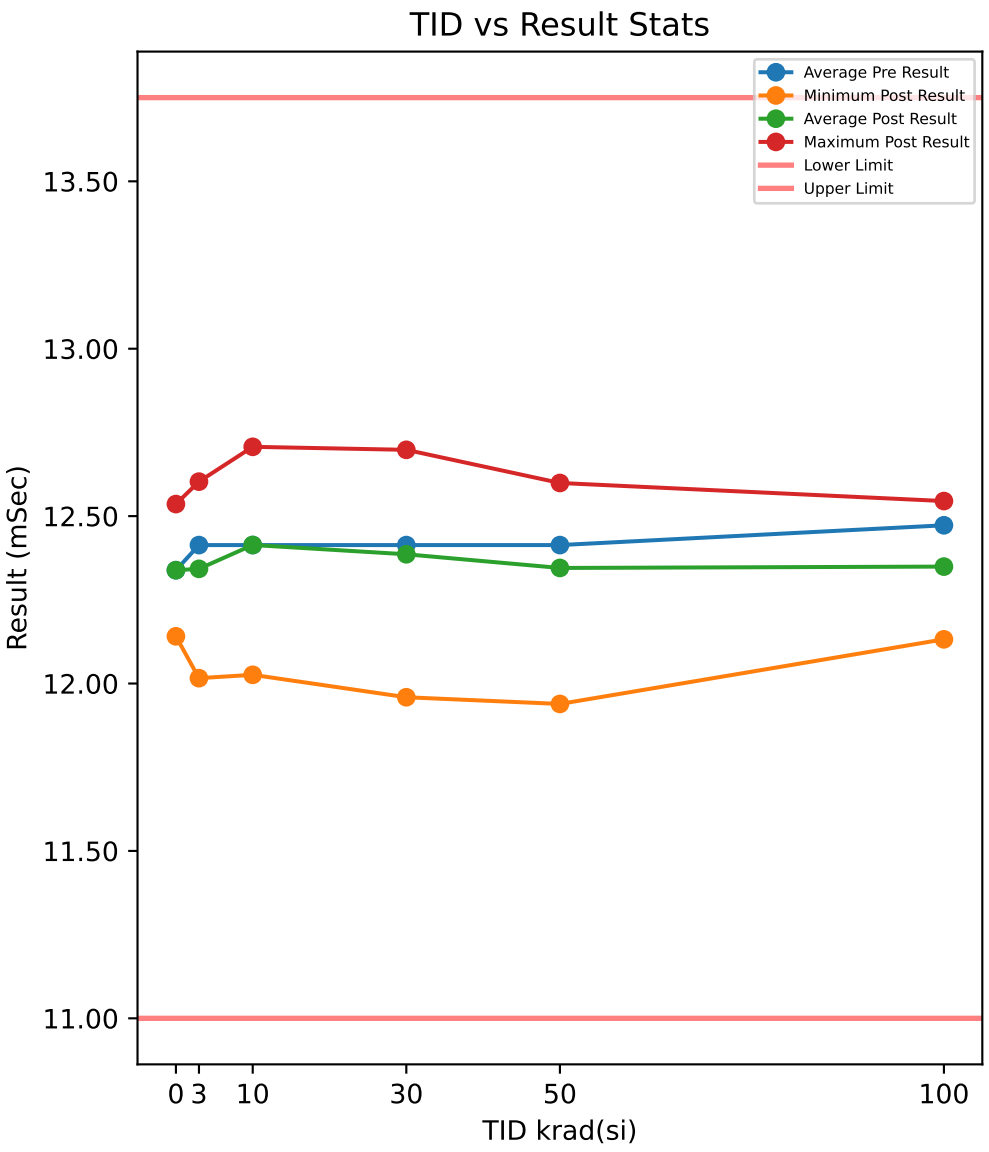

## Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

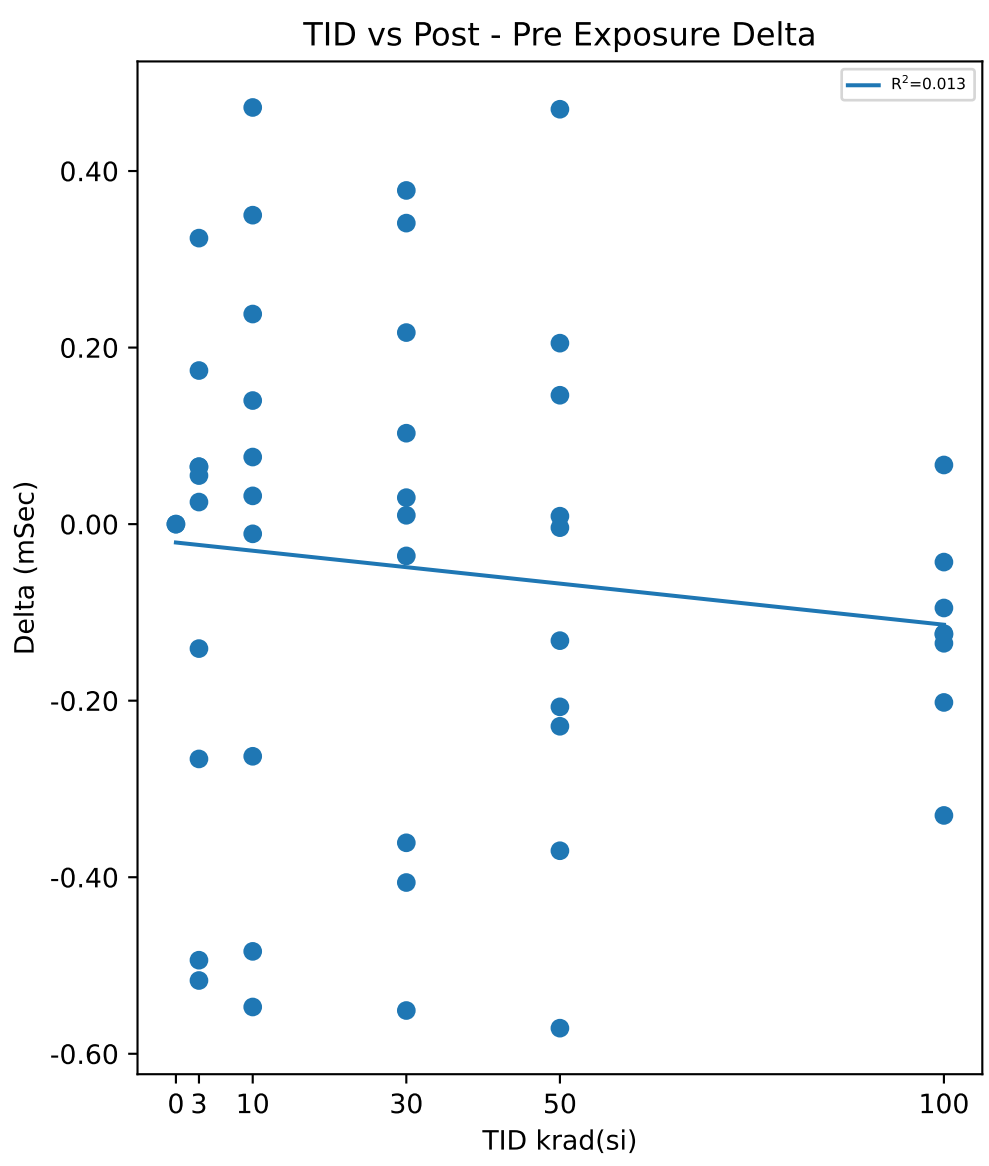
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.271 | 0.271 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 18 | 3 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 20 | 3 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 21 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.27 | 0.27 | 0 |
| 46 | 10 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 48 | 10 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 49 | 10 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 50 | 10 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 51 | 10 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.27 | 0.27 | 0 |
| 76 | 30 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 78 | 30 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.27 | 0.27 | 0 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 87 | 100 | LDR-Biased | 0.26 | 0.263 | 0.003 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.27 | 0.271 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.259 | 0.259 | 0 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.26 | -0.012 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.272 | 0.26 | -0.012 |
| 106 | 50 | LDR-Biased | 0.271 | 0.264 | -0.007 |
| 108 | 50 | LDR-Biased | 0.271 | 0.271 | 0 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.269 | 0.259 | -0.01 |
| 111 | 50 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 117 | 50 | LDR-Unbiased | 0.27 | 0.269 | -0.001 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.266 | 0.271 | 0.0070711 | 0.261 | 0.266 | 0.271 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2654 | 0.271 | 0.0043767 | 0.26 | 0.2642 | 0.27 | 0.0046619 | -0.008 | -0.0012 | 0.01 | 0.005808 |
| 10 | 0.26 | 0.2654 | 0.271 | 0.0043767 | 0.26 | 0.2646 | 0.272 | 0.0049486 | -0.01 | -0.0008 | 0.012 | 0.006321 |
| 30 | 0.26 | 0.2654 | 0.271 | 0.0043767 | 0.258 | 0.2648 | 0.271 | 0.0047329 | -0.008 | -0.0006 | 0.011 | 0.0059666 |
| 50 | 0.26 | 0.2654 | 0.271 | 0.0043767 | 0.259 | 0.2645 | 0.272 | 0.0051908 | -0.01 | -0.0009 | 0.012 | 0.0063675 |
| 100 | 0.259 | 0.26738 | 0.273 | 0.0057554 | 0.259 | 0.26288 | 0.271 | 0.0048825 | -0.012 | -0.0045 | 0.003 | 0.0058797 |

# Device Test: 5.152 tdly_Res619K_EN1_SU/EN1/7/14/619K/0/0/@DLY_TMR_500KOHM



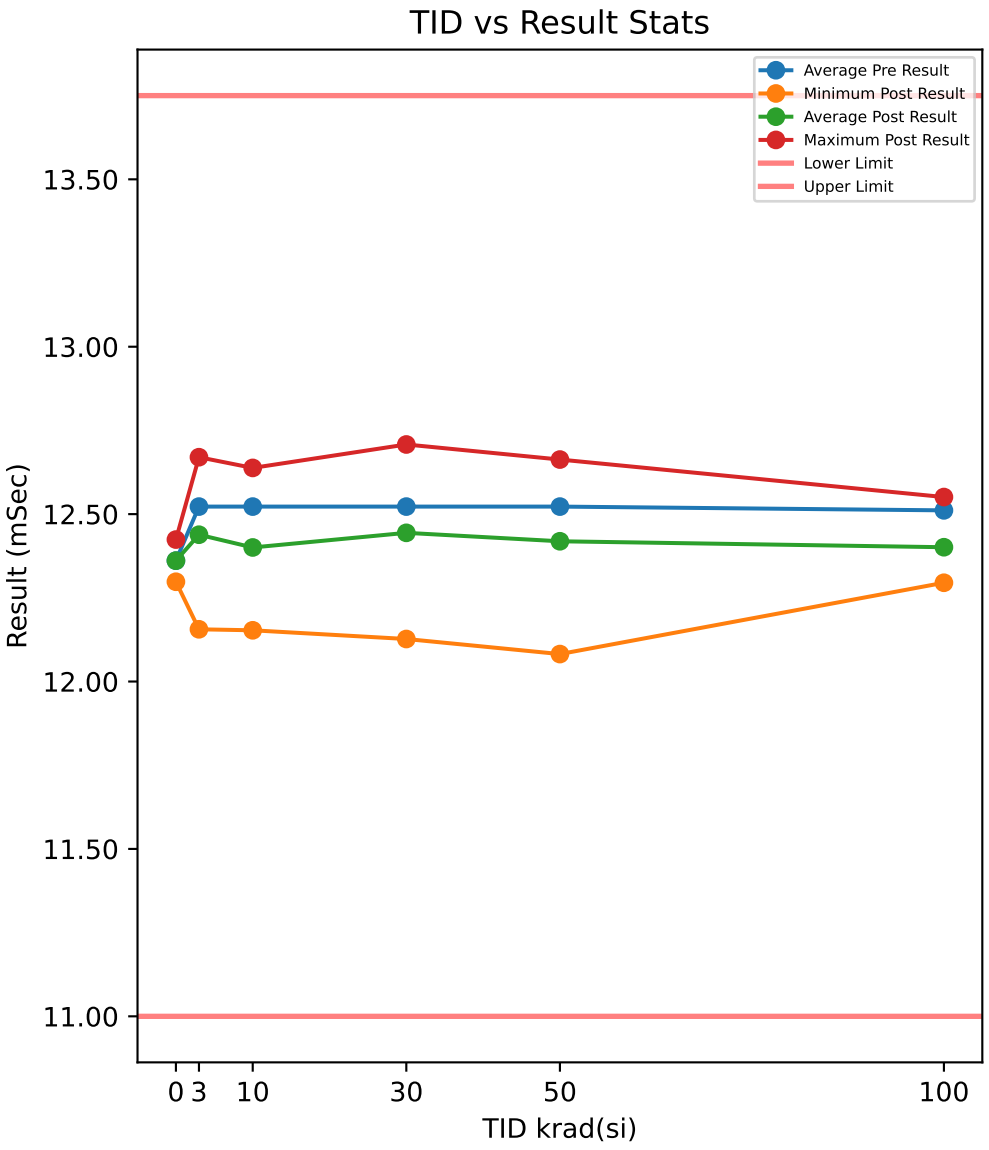

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

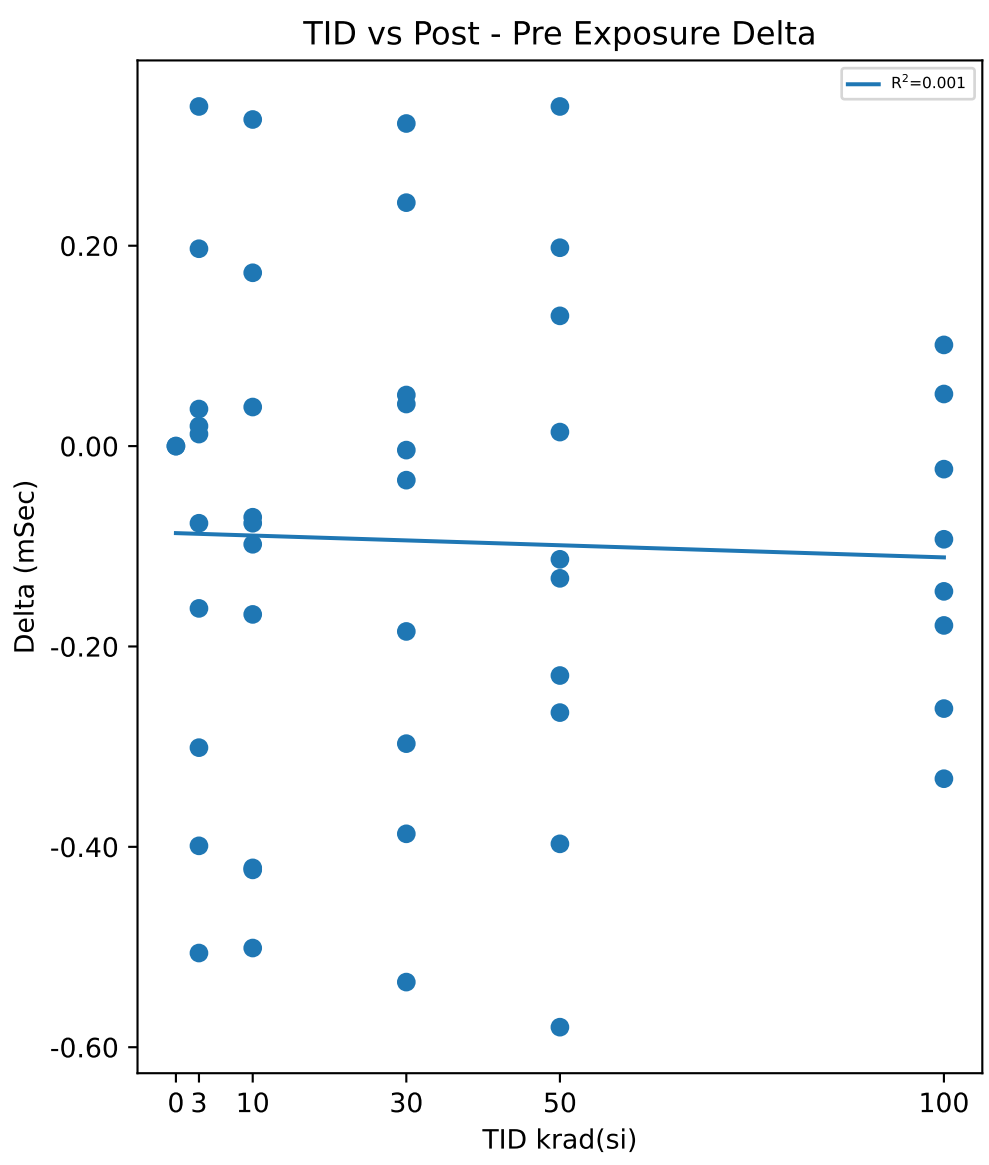
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.536 | 12.536 | 0 |
| 7 | 0 | Correlation | 12.141 | 12.141 | 0 |
| 16 | 3 | LDR-Biased | 12.669 | 12.152 | -0.517 |
| 18 | 3 | LDR-Biased | 12.469 | 12.494 | 0.025 |
| 19 | 3 | LDR-Biased | 12.5 | 12.359 | -0.141 |
| 20 | 3 | LDR-Biased | 12.549 | 12.283 | -0.266 |
| 21 | 3 | LDR-Biased | 12.228 | 12.283 | 0.055 |
| 22 | 3 | LDR-Unbiased | 12.129 | 12.453 | 0.324 |
| 23 | 3 | LDR-Unbiased | 12.538 | 12.603 | 0.065 |
| 25 | 3 | LDR-Unbiased | 12.51 | 12.016 | -0.494 |
| 26 | 3 | LDR-Unbiased | 12.223 | 12.288 | 0.065 |
| 27 | 3 | LDR-Unbiased | 12.32 | 12.494 | 0.174 |
| 46 | 10 | LDR-Biased | 12.669 | 12.122 | -0.547 |
| 48 | 10 | LDR-Biased | 12.469 | 12.707 | 0.238 |
| 49 | 10 | LDR-Biased | 12.5 | 12.489 | -0.011 |
| 50 | 10 | LDR-Biased | 12.549 | 12.286 | -0.263 |
| 51 | 10 | LDR-Biased | 12.228 | 12.26 | 0.032 |
| 52 | 10 | LDR-Unbiased | 12.129 | 12.601 | 0.472 |
| 53 | 10 | LDR-Unbiased | 12.538 | 12.614 | 0.076 |
| 55 | 10 | LDR-Unbiased | 12.51 | 12.026 | -0.484 |
| 56 | 10 | LDR-Unbiased | 12.223 | 12.363 | 0.14 |
| 57 | 10 | LDR-Unbiased | 12.32 | 12.67 | 0.35 |
| 76 | 30 | LDR-Biased | 12.669 | 12.308 | -0.361 |
| 78 | 30 | LDR-Biased | 12.469 | 12.686 | 0.217 |
| 79 | 30 | LDR-Biased | 12.5 | 12.464 | -0.036 |
| 80 | 30 | LDR-Biased | 12.549 | 12.143 | -0.406 |
| 81 | 30 | LDR-Biased | 12.228 | 12.238 | 0.01 |
| 82 | 30 | LDR-Unbiased | 12.129 | 12.47 | 0.341 |
| 83 | 30 | LDR-Unbiased | 12.538 | 12.641 | 0.103 |
| 84 | 30 | LDR-Unbiased | 12.32 | 12.698 | 0.378 |
| 85 | 30 | LDR-Unbiased | 12.51 | 11.959 | -0.551 |
| 86 | 30 | LDR-Unbiased | 12.223 | 12.253 | 0.03 |
| 87 | 100 | LDR-Biased | 12.376 | 12.333 | -0.043 |
| 88 | 100 | LDR-Biased | 12.669 | 12.545 | -0.124 |
| 90 | 100 | LDR-Biased | 12.639 | 12.544 | -0.095 |
| 91 | 100 | LDR-Unbiased | 12.3 | 12.367 | 0.067 |
| 93 | 100 | LDR-Unbiased | 12.257 | 12.132 | -0.125 |
| 94 | 100 | LDR-Unbiased | 12.671 | 12.341 | -0.33 |
| 95 | 100 | LDR-Unbiased | 12.527 | 12.392 | -0.135 |
| 96 | 100 | LDR-Unbiased | 12.342 | 12.14 | -0.202 |
| 106 | 50 | LDR-Biased | 12.669 | 12.299 | -0.37 |
| 108 | 50 | LDR-Biased | 12.469 | 12.465 | -0.004 |
| 109 | 50 | LDR-Biased | 12.5 | 12.293 | -0.207 |
| 110 | 50 | LDR-Biased | 12.549 | 12.32 | -0.229 |
| 111 | 50 | LDR-Biased | 12.228 | 12.374 | 0.146 |
| 112 | 50 | LDR-Unbiased | 12.129 | 12.599 | 0.47 |
| 113 | 50 | LDR-Unbiased | 12.538 | 12.406 | -0.132 |
| 115 | 50 | LDR-Unbiased | 12.51 | 11.939 | -0.571 |
| 116 | 50 | LDR-Unbiased | 12.223 | 12.232 | 0.009 |
| 117 | 50 | LDR-Unbiased | 12.32 | 12.525 | 0.205 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.141 | 12.338 | 12.536 | 0.27931 | 12.141 | 12.338 | 12.536 | 0.27931 | 0 | 0 | 0 | 0 |
| 3 | 12.129 | 12.414 | 12.669 | 0.17619 | 12.016 | 12.342 | 12.603 | 0.17613 | -0.517 | -0.071 | 0.324 | 0.27867 |
| 10 | 12.129 | 12.414 | 12.669 | 0.17619 | 12.026 | 12.414 | 12.707 | 0.23816 | -0.547 | 0.0003 | 0.472 | 0.33847 |
| 30 | 12.129 | 12.414 | 12.669 | 0.17619 | 11.959 | 12.386 | 12.698 | 0.24778 | -0.551 | -0.0275 | 0.378 | 0.31804 |
| 50 | 12.129 | 12.414 | 12.669 | 0.17619 | 11.939 | 12.345 | 12.599 | 0.18225 | -0.571 | -0.0683 | 0.47 | 0.30062 |
| 100 | 12.257 | 12.473 | 12.671 | 0.17372 | 12.132 | 12.349 | 12.545 | 0.1557 | -0.33 | -0.12337 | 0.067 | 0.11497 |

# Device Test: 5.153 tdly_Res619K_EN2_SU/EN2/7/14/619K/0/0/@DLY_TMR_500KOHM



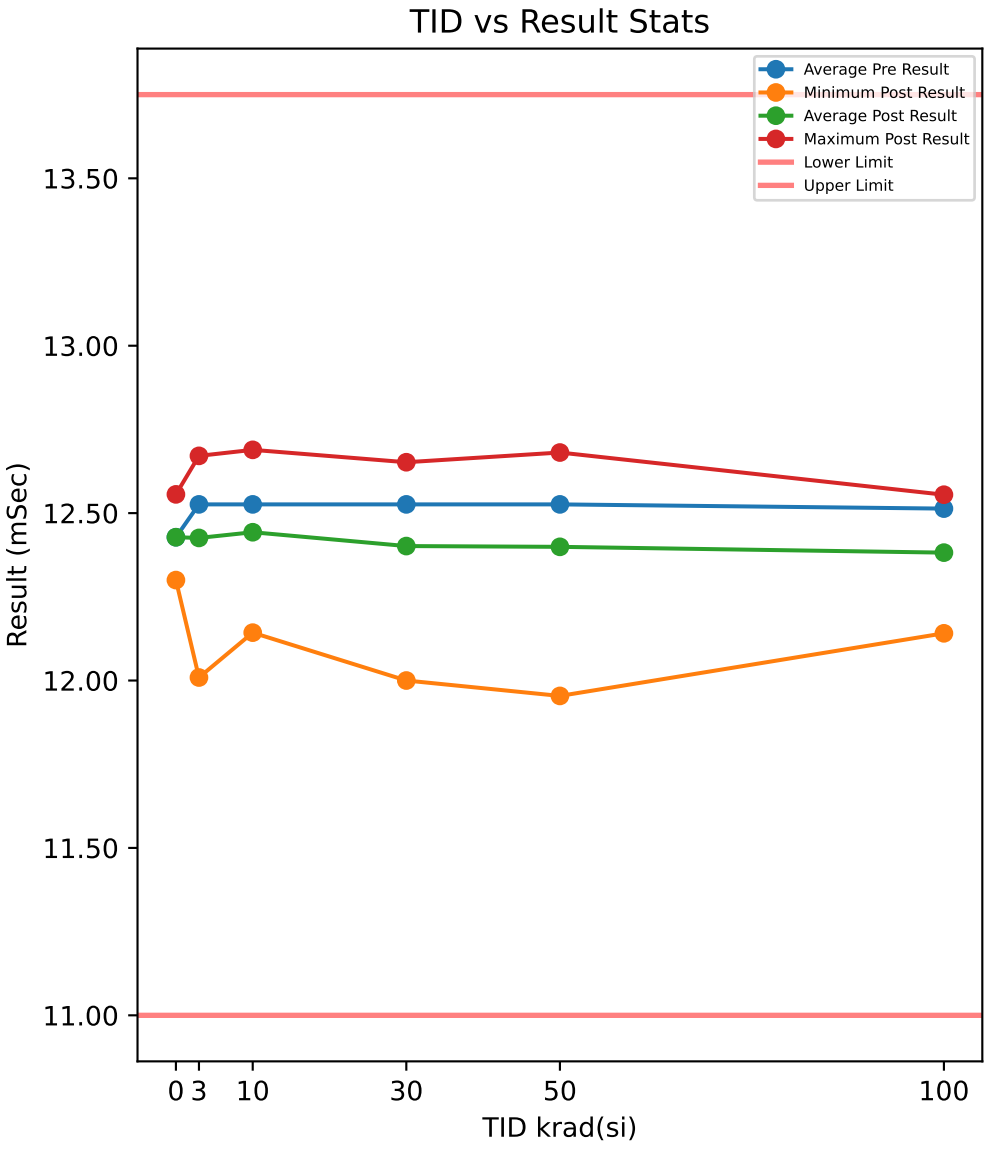

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

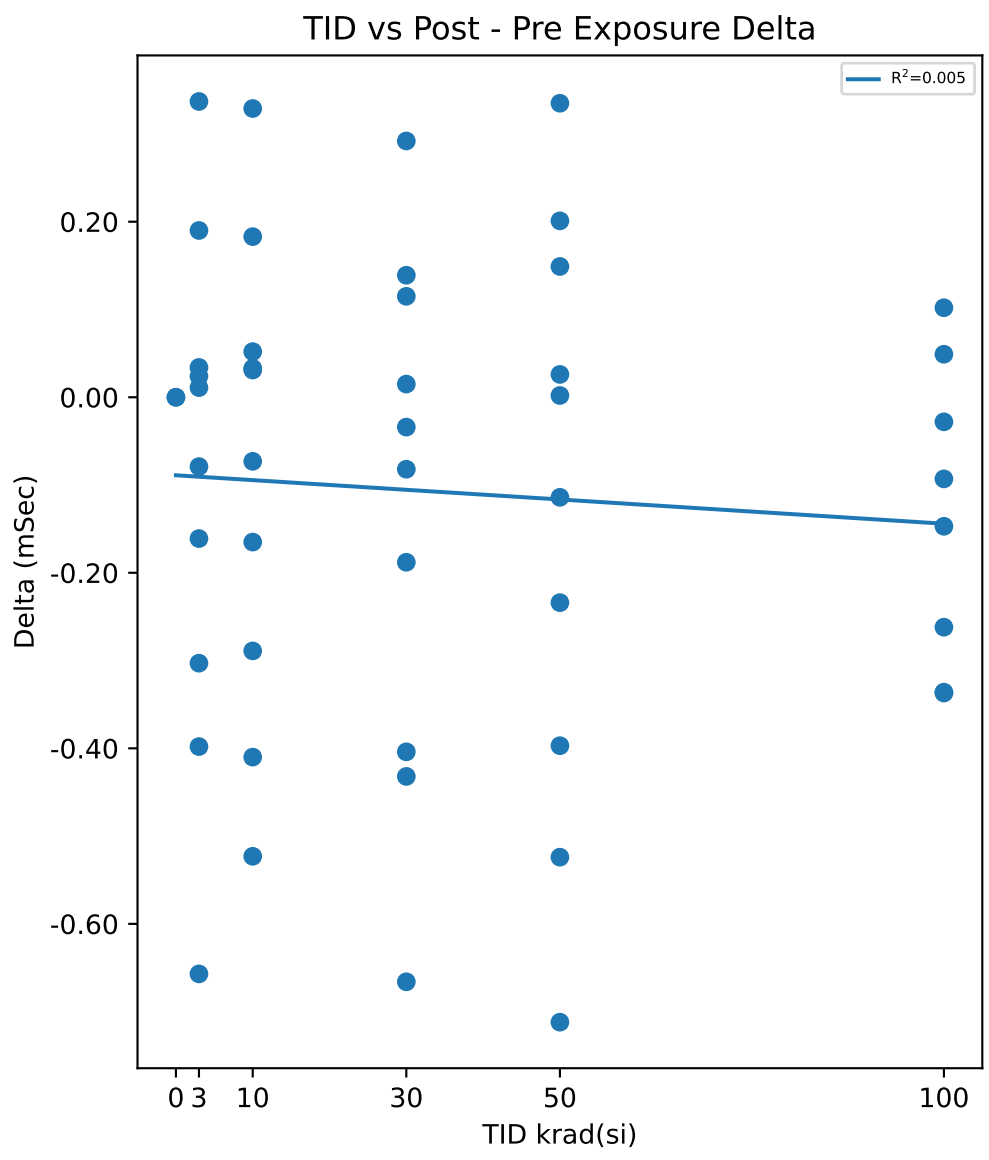
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.424 | 12.424 | 0 |
| 7 | 0 | Correlation | 12.298 | 12.298 | 0 |
| 16 | 3 | LDR-Biased | 12.696 | 12.297 | -0.399 |
| 18 | 3 | LDR-Biased | 12.633 | 12.67 | 0.037 |
| 19 | 3 | LDR-Biased | 12.648 | 12.486 | -0.162 |
| 20 | 3 | LDR-Biased | 12.574 | 12.273 | -0.301 |
| 21 | 3 | LDR-Biased | 12.243 | 12.263 | 0.02 |
| 22 | 3 | LDR-Unbiased | 12.284 | 12.623 | 0.339 |
| 23 | 3 | LDR-Unbiased | 12.669 | 12.592 | -0.077 |
| 25 | 3 | LDR-Unbiased | 12.662 | 12.156 | -0.506 |
| 26 | 3 | LDR-Unbiased | 12.351 | 12.363 | 0.012 |
| 27 | 3 | LDR-Unbiased | 12.465 | 12.662 | 0.197 |
| 46 | 10 | LDR-Biased | 12.696 | 12.273 | -0.423 |
| 48 | 10 | LDR-Biased | 12.633 | 12.556 | -0.077 |
| 49 | 10 | LDR-Biased | 12.648 | 12.48 | -0.168 |
| 50 | 10 | LDR-Biased | 12.574 | 12.153 | -0.421 |
| 51 | 10 | LDR-Biased | 12.243 | 12.282 | 0.039 |
| 52 | 10 | LDR-Unbiased | 12.284 | 12.61 | 0.326 |
| 53 | 10 | LDR-Unbiased | 12.669 | 12.598 | -0.071 |
| 55 | 10 | LDR-Unbiased | 12.662 | 12.161 | -0.501 |
| 56 | 10 | LDR-Unbiased | 12.351 | 12.253 | -0.098 |
| 57 | 10 | LDR-Unbiased | 12.465 | 12.638 | 0.173 |
| 76 | 30 | LDR-Biased | 12.696 | 12.309 | -0.387 |
| 78 | 30 | LDR-Biased | 12.633 | 12.675 | 0.042 |
| 79 | 30 | LDR-Biased | 12.648 | 12.463 | -0.185 |
| 80 | 30 | LDR-Biased | 12.574 | 12.277 | -0.297 |
| 81 | 30 | LDR-Biased | 12.243 | 12.239 | -0.004 |
| 82 | 30 | LDR-Unbiased | 12.284 | 12.606 | 0.322 |
| 83 | 30 | LDR-Unbiased | 12.669 | 12.635 | -0.034 |
| 84 | 30 | LDR-Unbiased | 12.465 | 12.708 | 0.243 |
| 85 | 30 | LDR-Unbiased | 12.662 | 12.127 | -0.535 |
| 86 | 30 | LDR-Unbiased | 12.351 | 12.402 | 0.051 |
| 87 | 100 | LDR-Biased | 12.381 | 12.358 | -0.023 |
| 88 | 100 | LDR-Biased | 12.696 | 12.551 | -0.145 |
| 90 | 100 | LDR-Biased | 12.644 | 12.551 | -0.093 |
| 91 | 100 | LDR-Unbiased | 12.285 | 12.386 | 0.101 |
| 93 | 100 | LDR-Unbiased | 12.243 | 12.295 | 0.052 |
| 94 | 100 | LDR-Unbiased | 12.696 | 12.364 | -0.332 |
| 95 | 100 | LDR-Unbiased | 12.668 | 12.406 | -0.262 |
| 96 | 100 | LDR-Unbiased | 12.477 | 12.298 | -0.179 |
| 106 | 50 | LDR-Biased | 12.696 | 12.299 | -0.397 |
| 108 | 50 | LDR-Biased | 12.633 | 12.501 | -0.132 |
| 109 | 50 | LDR-Biased | 12.648 | 12.419 | -0.229 |
| 110 | 50 | LDR-Biased | 12.574 | 12.308 | -0.266 |
| 111 | 50 | LDR-Biased | 12.243 | 12.373 | 0.13 |
| 112 | 50 | LDR-Unbiased | 12.284 | 12.623 | 0.339 |
| 113 | 50 | LDR-Unbiased | 12.669 | 12.556 | -0.113 |
| 115 | 50 | LDR-Unbiased | 12.662 | 12.082 | -0.58 |
| 116 | 50 | LDR-Unbiased | 12.351 | 12.365 | 0.014 |
| 117 | 50 | LDR-Unbiased | 12.465 | 12.663 | 0.198 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.298 | 12.361 | 12.424 | 0.089095 | 12.298 | 12.361 | 12.424 | 0.089095 | 0 | 0 | 0 | 0 |
| 3 | 12.243 | 12.522 | 12.696 | 0.173 | 12.156 | 12.439 | 12.67 | 0.19065 | -0.506 | -0.084 | 0.339 | 0.26312 |
| 10 | 12.243 | 12.522 | 12.696 | 0.173 | 12.153 | 12.4 | 12.638 | 0.1945 | -0.501 | -0.1221 | 0.326 | 0.26763 |
| 30 | 12.243 | 12.522 | 12.696 | 0.173 | 12.127 | 12.444 | 12.708 | 0.20454 | -0.535 | -0.0784 | 0.322 | 0.27187 |
| 50 | 12.243 | 12.522 | 12.696 | 0.173 | 12.082 | 12.419 | 12.663 | 0.17383 | -0.58 | -0.1036 | 0.339 | 0.28113 |
| 100 | 12.243 | 12.511 | 12.696 | 0.18964 | 12.295 | 12.401 | 12.551 | 0.10022 | -0.332 | -0.11012 | 0.101 | 0.14976 |

# Device Test: 5.154 tdly_Res619K_EN3_SU/EN3/7/14/619K/0/0/@DLY_TMR_500KOHM




Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

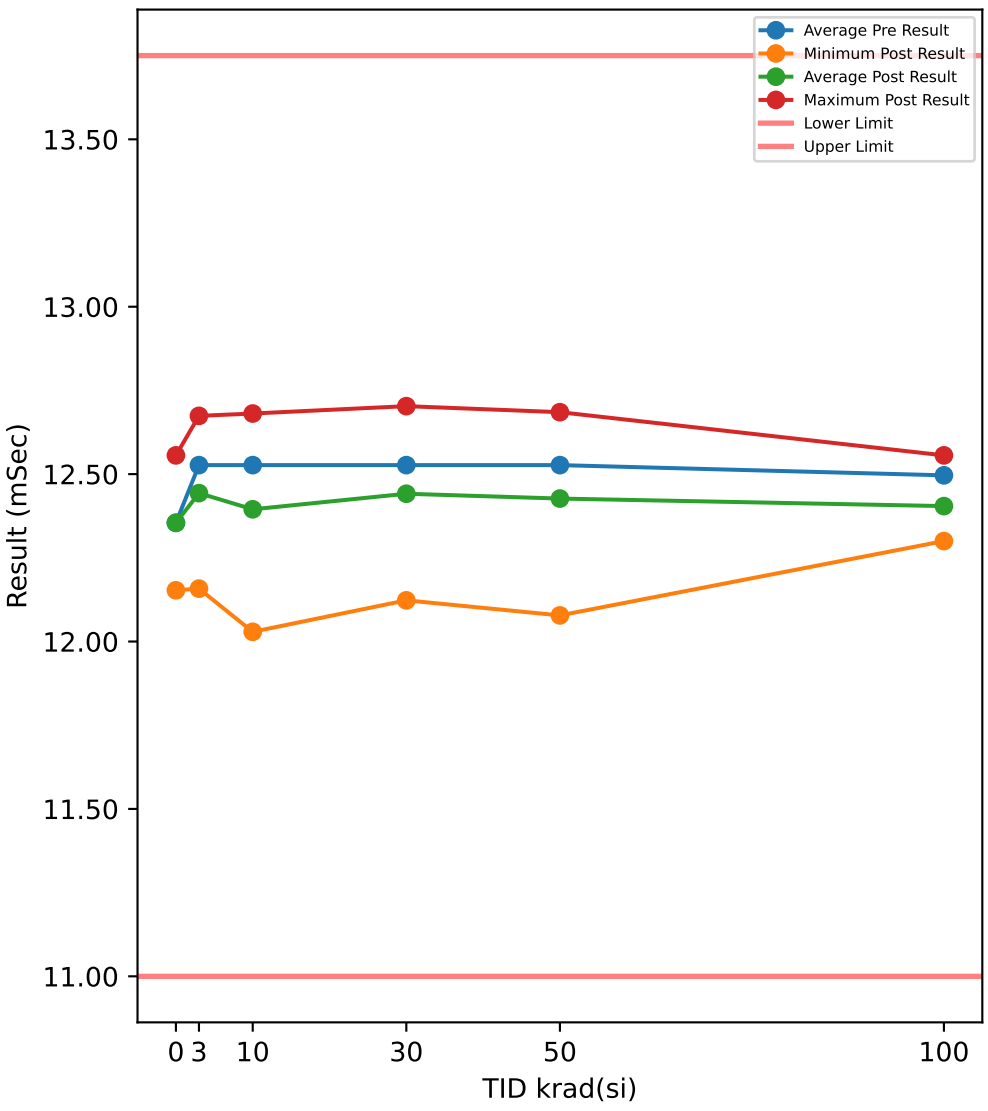
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.556 | 12.556 | 0 |
| 7 | 0 | Correlation | 12.3 | 12.3 | 0 |
| 16 | 3 | LDR-Biased | 12.695 | 12.297 | -0.398 |
| 18 | 3 | LDR-Biased | 12.637 | 12.671 | 0.034 |
| 19 | 3 | LDR-Biased | 12.649 | 12.488 | -0.161 |
| 20 | 3 | LDR-Biased | 12.578 | 12.275 | -0.303 |
| 21 | 3 | LDR-Biased | 12.244 | 12.268 | 0.024 |
| 22 | 3 | LDR-Unbiased | 12.286 | 12.623 | 0.337 |
| 23 | 3 | LDR-Unbiased | 12.672 | 12.593 | -0.079 |
| 25 | 3 | LDR-Unbiased | 12.666 | 12.009 | -0.657 |
| 26 | 3 | LDR-Unbiased | 12.354 | 12.365 | 0.011 |
| 27 | 3 | LDR-Unbiased | 12.48 | 12.67 | 0.19 |
| 46 | 10 | LDR-Biased | 12.695 | 12.285 | -0.41 |
| 48 | 10 | LDR-Biased | 12.637 | 12.689 | 0.052 |
| 49 | 10 | LDR-Biased | 12.649 | 12.484 | -0.165 |
| 50 | 10 | LDR-Biased | 12.578 | 12.289 | -0.289 |
| 51 | 10 | LDR-Biased | 12.244 | 12.277 | 0.033 |
| 52 | 10 | LDR-Unbiased | 12.286 | 12.615 | 0.329 |
| 53 | 10 | LDR-Unbiased | 12.672 | 12.599 | -0.073 |
| 55 | 10 | LDR-Unbiased | 12.666 | 12.143 | -0.523 |
| 56 | 10 | LDR-Unbiased | 12.354 | 12.385 | 0.031 |
| 57 | 10 | LDR-Unbiased | 12.48 | 12.663 | 0.183 |
| 76 | 30 | LDR-Biased | 12.695 | 12.291 | -0.404 |
| 78 | 30 | LDR-Biased | 12.637 | 12.652 | 0.015 |
| 79 | 30 | LDR-Biased | 12.649 | 12.461 | -0.188 |
| 80 | 30 | LDR-Biased | 12.578 | 12.146 | -0.432 |
| 81 | 30 | LDR-Biased | 12.244 | 12.383 | 0.139 |
| 82 | 30 | LDR-Unbiased | 12.286 | 12.578 | 0.292 |
| 83 | 30 | LDR-Unbiased | 12.672 | 12.638 | -0.034 |
| 84 | 30 | LDR-Unbiased | 12.48 | 12.595 | 0.115 |
| 85 | 30 | LDR-Unbiased | 12.666 | 12 | -0.666 |
| 86 | 30 | LDR-Unbiased | 12.354 | 12.272 | -0.082 |
| 87 | 100 | LDR-Biased | 12.383 | 12.355 | -0.028 |
| 88 | 100 | LDR-Biased | 12.699 | 12.552 | -0.147 |
| 90 | 100 | LDR-Biased | 12.648 | 12.555 | -0.093 |
| 91 | 100 | LDR-Unbiased | 12.285 | 12.387 | 0.102 |
| 93 | 100 | LDR-Unbiased | 12.247 | 12.296 | 0.049 |
| 94 | 100 | LDR-Unbiased | 12.699 | 12.363 | -0.336 |
| 95 | 100 | LDR-Unbiased | 12.669 | 12.407 | -0.262 |
| 96 | 100 | LDR-Unbiased | 12.478 | 12.141 | -0.337 |
| 106 | 50 | LDR-Biased | 12.695 | 12.171 | -0.524 |
| 108 | 50 | LDR-Biased | 12.637 | 12.639 | 0.002 |
| 109 | 50 | LDR-Biased | 12.649 | 12.415 | -0.234 |
| 110 | 50 | LDR-Biased | 12.578 | 12.181 | -0.397 |
| 111 | 50 | LDR-Biased | 12.244 | 12.393 | 0.149 |
| 112 | 50 | LDR-Unbiased | 12.286 | 12.621 | 0.335 |
| 113 | 50 | LDR-Unbiased | 12.672 | 12.558 | -0.114 |
| 115 | 50 | LDR-Unbiased | 12.666 | 11.954 | -0.712 |
| 116 | 50 | LDR-Unbiased | 12.354 | 12.38 | 0.026 |
| 117 | 50 | LDR-Unbiased | 12.48 | 12.681 | 0.201 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.3 | 12.428 | 12.556 | 0.18102 | 12.3 | 12.428 | 12.556 | 0.18102 | 0 | 0 | 0 | 0 |
| 3 | 12.244 | 12.526 | 12.695 | 0.17271 | 12.009 | 12.426 | 12.671 | 0.21912 | -0.657 | -0.1002 | 0.337 | 0.29158 |
| 10 | 12.244 | 12.526 | 12.695 | 0.17271 | 12.143 | 12.443 | 12.689 | 0.19268 | -0.523 | -0.0832 | 0.329 | 0.26562 |
| 30 | 12.244 | 12.526 | 12.695 | 0.17271 | 12 | 12.402 | 12.652 | 0.22277 | -0.666 | -0.1245 | 0.292 | 0.29808 |
| 50 | 12.244 | 12.526 | 12.695 | 0.17271 | 11.954 | 12.399 | 12.681 | 0.23802 | -0.712 | -0.1268 | 0.335 | 0.33692 |
| 100 | 12.247 | 12.514 | 12.699 | 0.18997 | 12.141 | 12.382 | 12.555 | 0.13419 | -0.337 | -0.1315 | 0.102 | 0.16929 |

# Device Test: 5.155 tdly_Res619K_EN4_SU/EN4/7/14/619K/0/0/@DLY_TMR_500KOHM

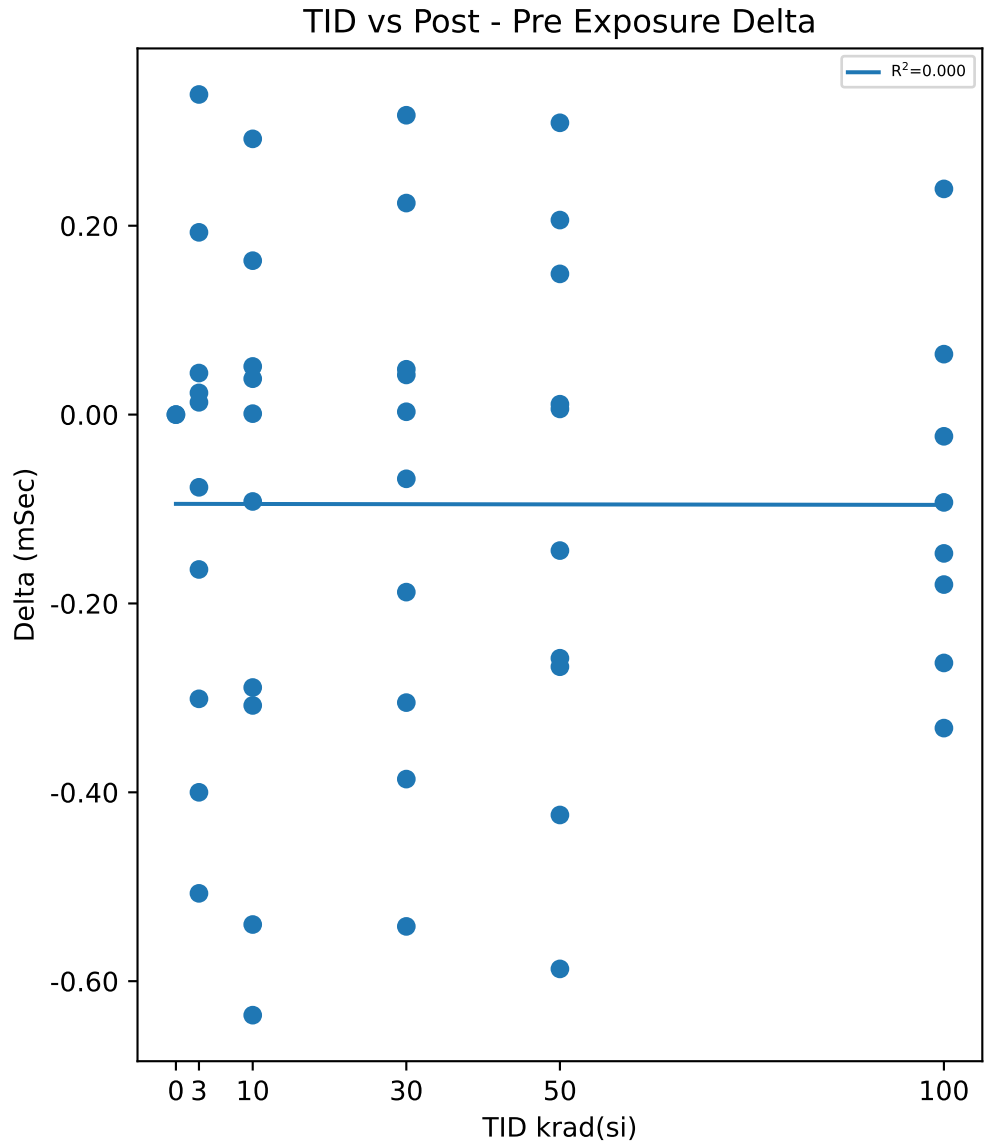
## TID vs Result Stats




## Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.556 | 12.556 | 0 |
| 7 | 0 | Correlation | 12.153 | 12.153 | 0 |
| 16 | 3 | LDR-Biased | 12.698 | 12.298 | -0.4 |
| 18 | 3 | LDR-Biased | 12.63 | 12.674 | 0.044 |
| 19 | 3 | LDR-Biased | 12.653 | 12.489 | -0.164 |
| 20 | 3 | LDR-Biased | 12.579 | 12.278 | -0.301 |
| 21 | 3 | LDR-Biased | 12.248 | 12.271 | 0.023 |
| 22 | 3 | LDR-Unbiased | 12.288 | 12.627 | 0.339 |
| 23 | 3 | LDR-Unbiased | 12.672 | 12.595 | -0.077 |
| 25 | 3 | LDR-Unbiased | 12.665 | 12.158 | -0.507 |
| 26 | 3 | LDR-Unbiased | 12.357 | 12.37 | 0.013 |
| 27 | 3 | LDR-Unbiased | 12.479 | 12.672 | 0.193 |
| 46 | 10 | LDR-Biased | 12.698 | 12.158 | -0.54 |
| 48 | 10 | LDR-Biased | 12.63 | 12.681 | 0.051 |
| 49 | 10 | LDR-Biased | 12.653 | 12.345 | -0.308 |
| 50 | 10 | LDR-Biased | 12.579 | 12.29 | -0.289 |
| 51 | 10 | LDR-Biased | 12.248 | 12.286 | 0.038 |
| 52 | 10 | LDR-Unbiased | 12.288 | 12.58 | 0.292 |
| 53 | 10 | LDR-Unbiased | 12.672 | 12.58 | -0.092 |
| 55 | 10 | LDR-Unbiased | 12.665 | 12.029 | -0.636 |
| 56 | 10 | LDR-Unbiased | 12.357 | 12.358 | 0.001 |
| 57 | 10 | LDR-Unbiased | 12.479 | 12.642 | 0.163 |
| 76 | 30 | LDR-Biased | 12.698 | 12.312 | -0.386 |
| 78 | 30 | LDR-Biased | 12.63 | 12.672 | 0.042 |
| 79 | 30 | LDR-Biased | 12.653 | 12.465 | -0.188 |
| 80 | 30 | LDR-Biased | 12.579 | 12.274 | -0.305 |
| 81 | 30 | LDR-Biased | 12.248 | 12.251 | 0.003 |
| 82 | 30 | LDR-Unbiased | 12.288 | 12.605 | 0.317 |
| 83 | 30 | LDR-Unbiased | 12.672 | 12.604 | -0.068 |
| 84 | 30 | LDR-Unbiased | 12.479 | 12.703 | 0.224 |
| 85 | 30 | LDR-Unbiased | 12.665 | 12.123 | -0.542 |
| 86 | 30 | LDR-Unbiased | 12.357 | 12.405 | 0.048 |
| 87 | 100 | LDR-Biased | 12.384 | 12.361 | -0.023 |
| 88 | 100 | LDR-Biased | 12.702 | 12.555 | -0.147 |
| 90 | 100 | LDR-Biased | 12.649 | 12.556 | -0.093 |
| 91 | 100 | LDR-Unbiased | 12.15 | 12.389 | 0.239 |
| 93 | 100 | LDR-Unbiased | 12.236 | 12.3 | 0.064 |
| 94 | 100 | LDR-Unbiased | 12.699 | 12.367 | -0.332 |
| 95 | 100 | LDR-Unbiased | 12.67 | 12.407 | -0.263 |
| 96 | 100 | LDR-Unbiased | 12.481 | 12.301 | -0.18 |
| 106 | 50 | LDR-Biased | 12.698 | 12.274 | -0.424 |
| 108 | 50 | LDR-Biased | 12.63 | 12.641 | 0.011 |
| 109 | 50 | LDR-Biased | 12.653 | 12.395 | -0.258 |
| 110 | 50 | LDR-Biased | 12.579 | 12.312 | -0.267 |
| 111 | 50 | LDR-Biased | 12.248 | 12.397 | 0.149 |
| 112 | 50 | LDR-Unbiased | 12.288 | 12.597 | 0.309 |
| 113 | 50 | LDR-Unbiased | 12.672 | 12.528 | -0.144 |
| 115 | 50 | LDR-Unbiased | 12.665 | 12.078 | -0.587 |
| 116 | 50 | LDR-Unbiased | 12.357 | 12.363 | 0.006 |
| 117 | 50 | LDR-Unbiased | 12.479 | 12.685 | 0.206 |

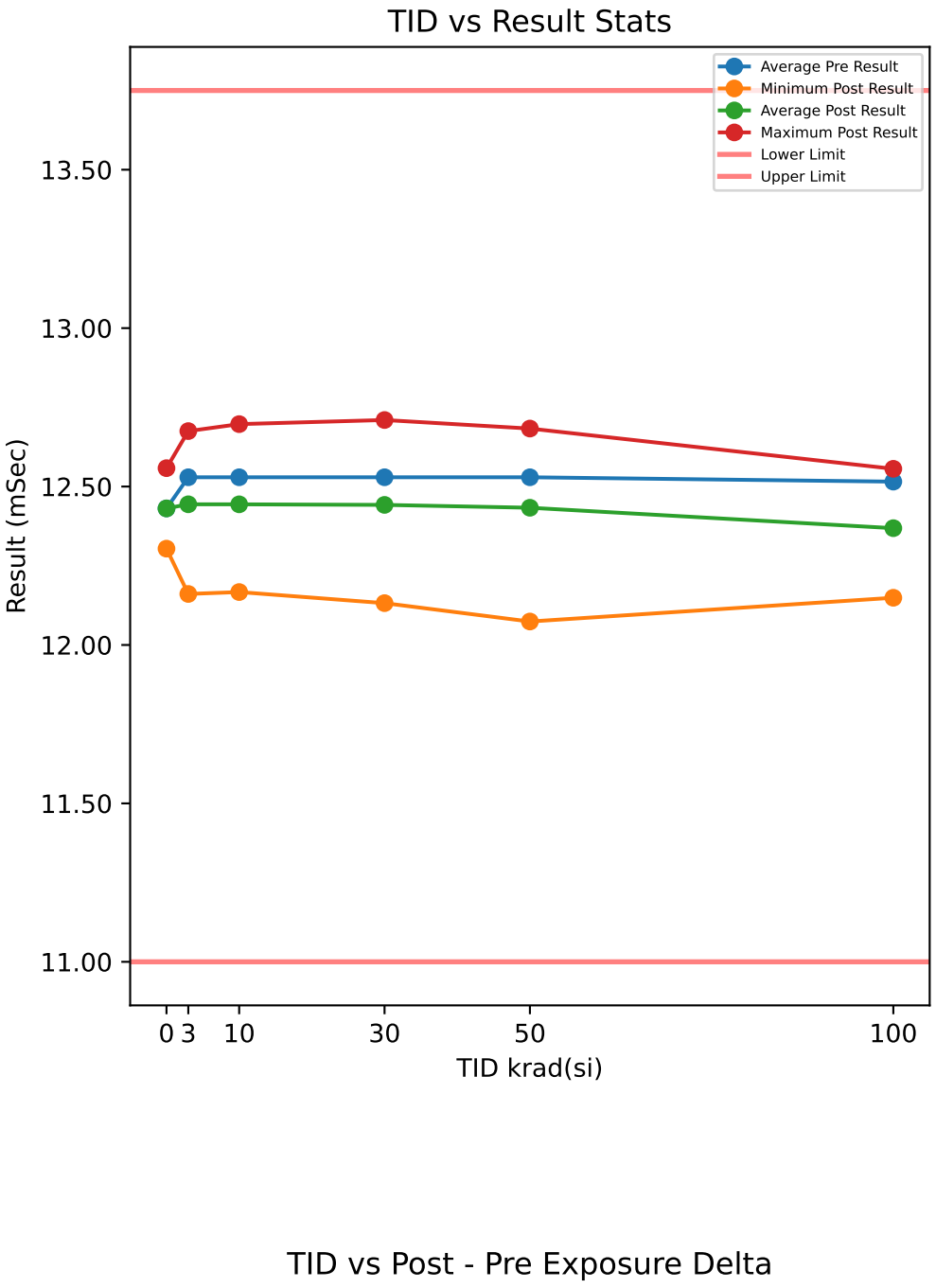
## TID vs Post - Pre Exposure Delta

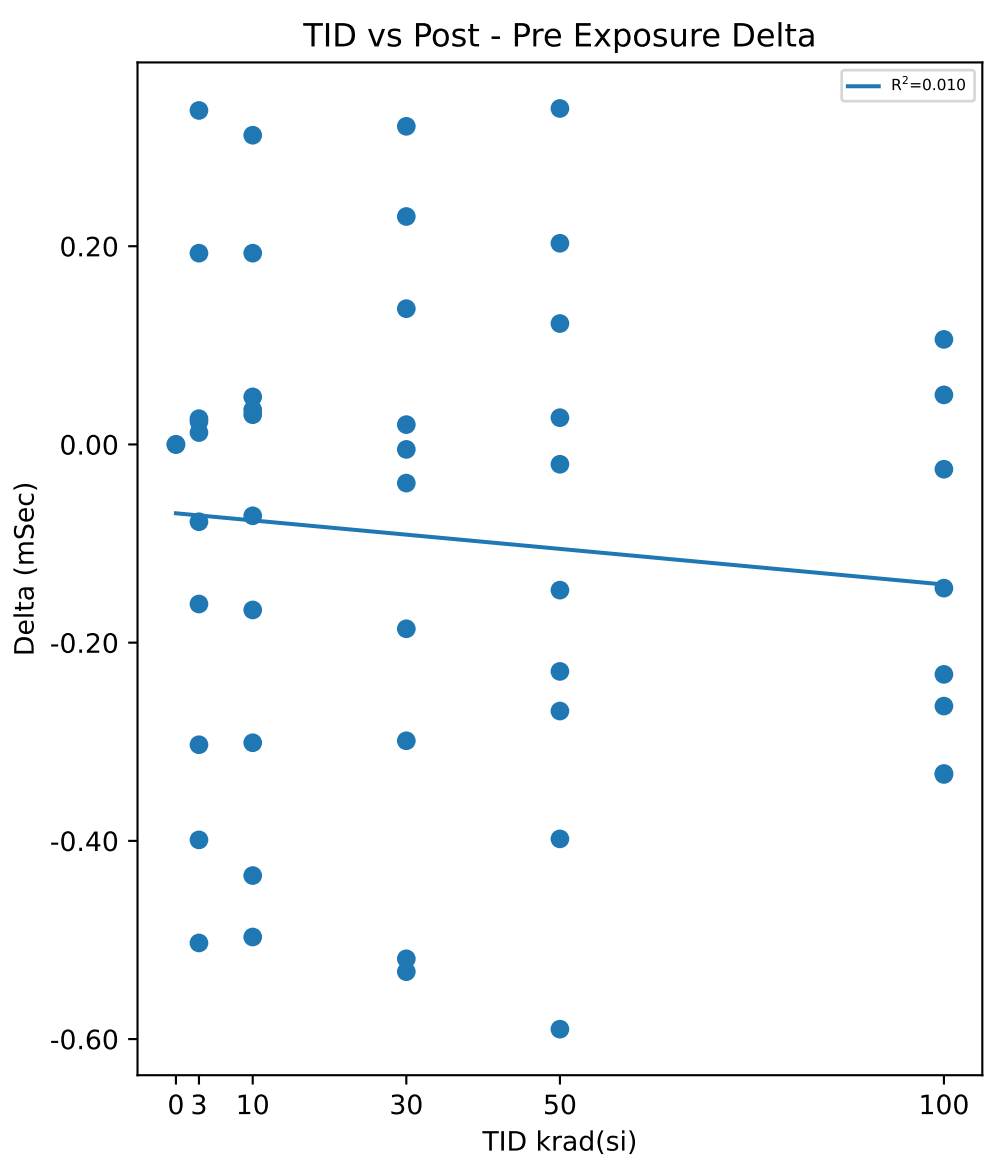



## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.153 | 12.354 | 12.556 | 0.28496 | 12.153 | 12.354 | 12.556 | 0.28496 | 0 | 0 | 0 | 0 |
| 3 | 12.248 | 12.527 | 12.698 | 0.17149 | 12.158 | 12.443 | 12.674 | 0.19127 | -0.507 | -0.0837 | 0.339 | 0.26357 |
| 10 | 12.248 | 12.527 | 12.698 | 0.17149 | 12.029 | 12.395 | 12.681 | 0.21811 | -0.636 | -0.132 | 0.292 | 0.30269 |
| 30 | 12.248 | 12.527 | 12.698 | 0.17149 | 12.123 | 12.441 | 12.703 | 0.19975 | -0.542 | -0.0855 | 0.317 | 0.27027 |
| 50 | 12.248 | 12.527 | 12.698 | 0.17149 | 12.078 | 12.427 | 12.685 | 0.18735 | -0.587 | -0.0999 | 0.309 | 0.2874 |
| 100 | 12.15 | 12.496 | 12.702 | 0.21955 | 12.3 | 12.405 | 12.556 | 0.10056 | -0.332 | -0.091875 | 0.239 | 0.18372 |

# Device Test: 5.156 tdly_Res619K_SEQ_SU/SEQ_DONE/7/14/619K/0/0/@DLY_TMR_500KOHM



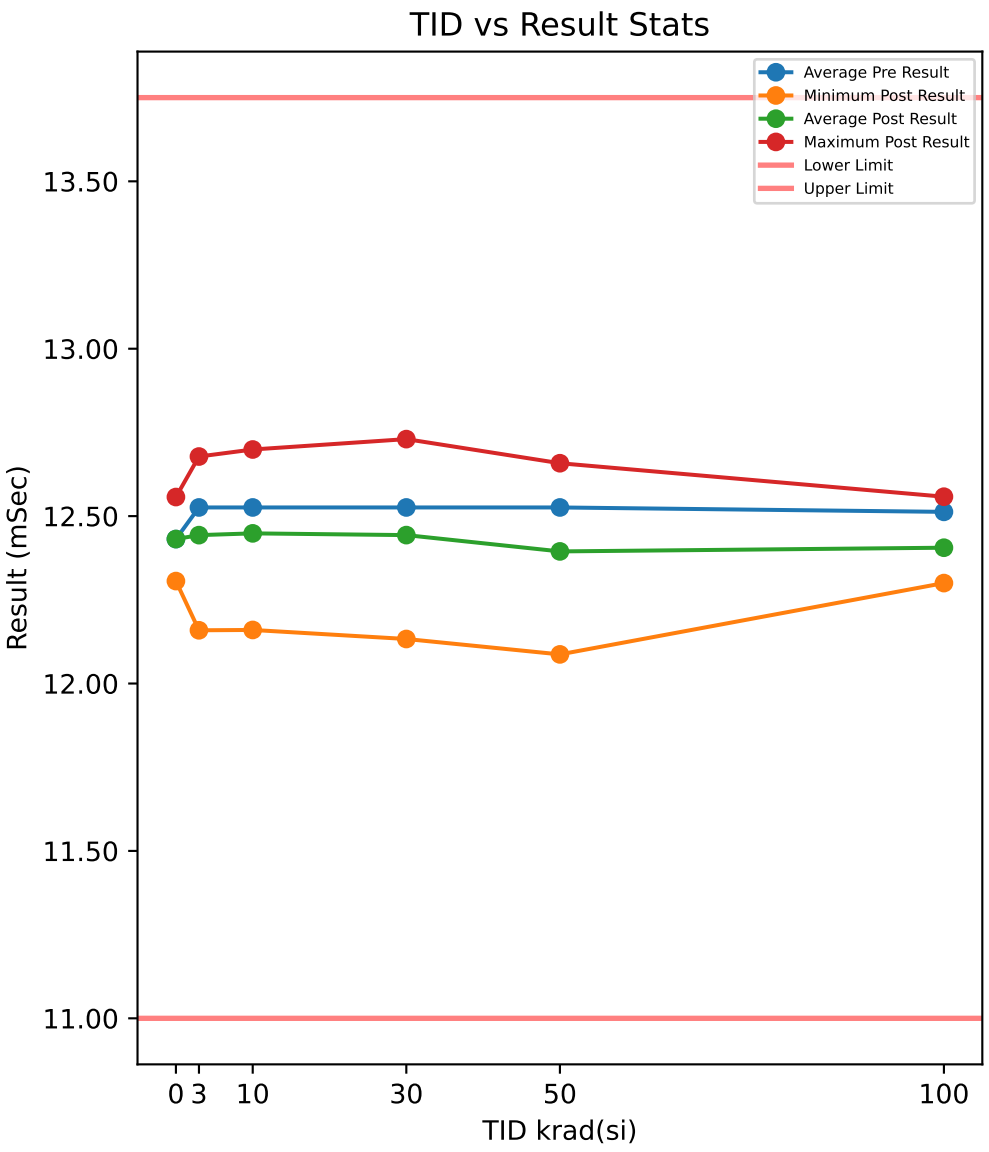

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

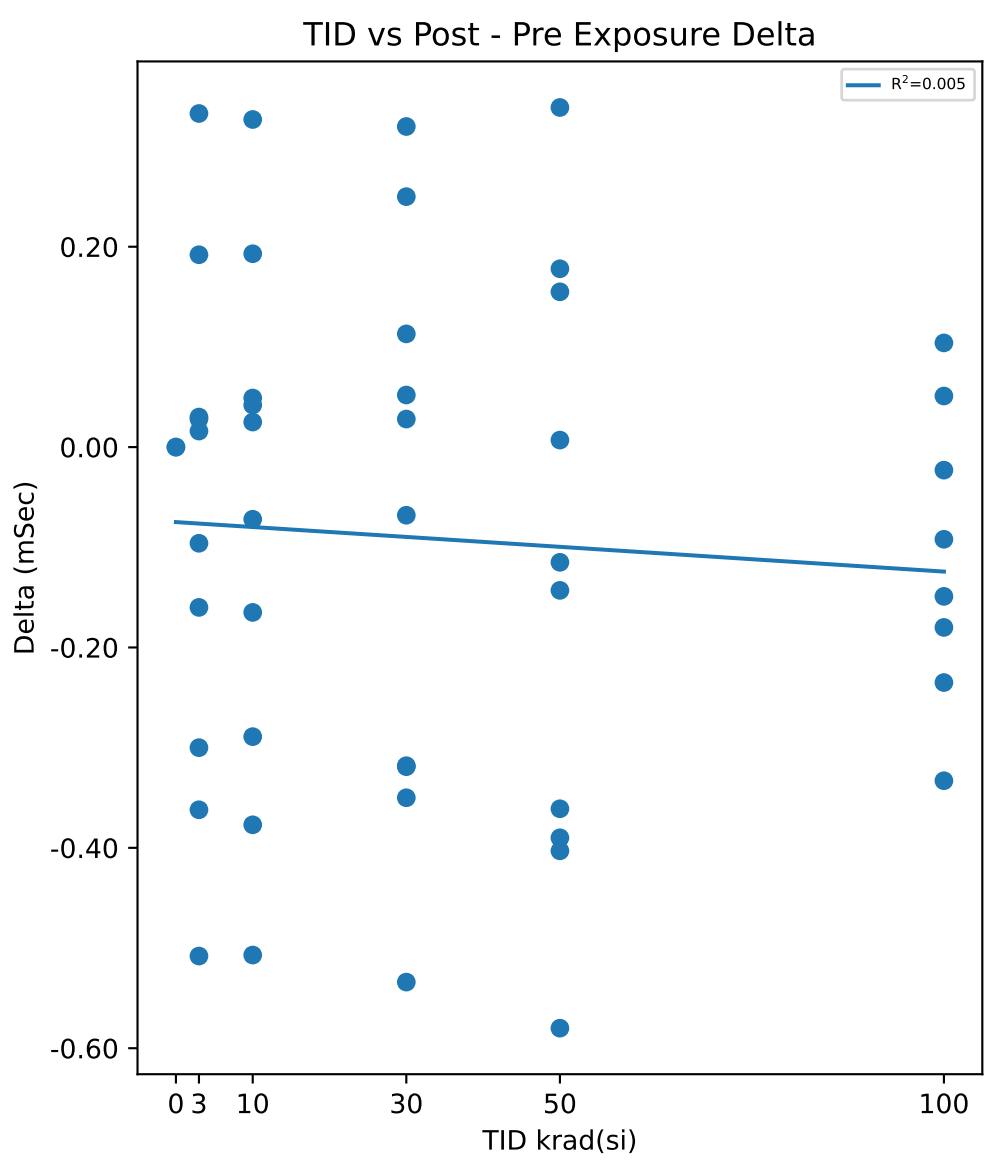
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.558 | 12.558 | 0 |
| 7 | 0 | Correlation | 12.304 | 12.304 | 0 |
| 16 | 3 | LDR-Biased | 12.699 | 12.3 | -0.399 |
| 18 | 3 | LDR-Biased | 12.649 | 12.675 | 0.026 |
| 19 | 3 | LDR-Biased | 12.653 | 12.492 | -0.161 |
| 20 | 3 | LDR-Biased | 12.58 | 12.277 | -0.303 |
| 21 | 3 | LDR-Biased | 12.248 | 12.271 | 0.023 |
| 22 | 3 | LDR-Unbiased | 12.288 | 12.625 | 0.337 |
| 23 | 3 | LDR-Unbiased | 12.674 | 12.596 | -0.078 |
| 25 | 3 | LDR-Unbiased | 12.664 | 12.161 | -0.503 |
| 26 | 3 | LDR-Unbiased | 12.358 | 12.37 | 0.012 |
| 27 | 3 | LDR-Unbiased | 12.48 | 12.673 | 0.193 |
| 46 | 10 | LDR-Biased | 12.699 | 12.264 | -0.435 |
| 48 | 10 | LDR-Biased | 12.649 | 12.697 | 0.048 |
| 49 | 10 | LDR-Biased | 12.653 | 12.486 | -0.167 |
| 50 | 10 | LDR-Biased | 12.58 | 12.279 | -0.301 |
| 51 | 10 | LDR-Biased | 12.248 | 12.283 | 0.035 |
| 52 | 10 | LDR-Unbiased | 12.288 | 12.6 | 0.312 |
| 53 | 10 | LDR-Unbiased | 12.674 | 12.602 | -0.072 |
| 55 | 10 | LDR-Unbiased | 12.664 | 12.167 | -0.497 |
| 56 | 10 | LDR-Unbiased | 12.358 | 12.388 | 0.03 |
| 57 | 10 | LDR-Unbiased | 12.48 | 12.673 | 0.193 |
| 76 | 30 | LDR-Biased | 12.699 | 12.18 | -0.519 |
| 78 | 30 | LDR-Biased | 12.649 | 12.644 | -0.005 |
| 79 | 30 | LDR-Biased | 12.653 | 12.467 | -0.186 |
| 80 | 30 | LDR-Biased | 12.58 | 12.281 | -0.299 |
| 81 | 30 | LDR-Biased | 12.248 | 12.385 | 0.137 |
| 82 | 30 | LDR-Unbiased | 12.288 | 12.609 | 0.321 |
| 83 | 30 | LDR-Unbiased | 12.674 | 12.635 | -0.039 |
| 84 | 30 | LDR-Unbiased | 12.48 | 12.71 | 0.23 |
| 85 | 30 | LDR-Unbiased | 12.664 | 12.132 | -0.532 |
| 86 | 30 | LDR-Unbiased | 12.358 | 12.378 | 0.02 |
| 87 | 100 | LDR-Biased | 12.386 | 12.361 | -0.025 |
| 88 | 100 | LDR-Biased | 12.701 | 12.556 | -0.145 |
| 90 | 100 | LDR-Biased | 12.648 | 12.416 | -0.232 |
| 91 | 100 | LDR-Unbiased | 12.286 | 12.392 | 0.106 |
| 93 | 100 | LDR-Unbiased | 12.249 | 12.299 | 0.05 |
| 94 | 100 | LDR-Unbiased | 12.7 | 12.368 | -0.332 |
| 95 | 100 | LDR-Unbiased | 12.672 | 12.408 | -0.264 |
| 96 | 100 | LDR-Unbiased | 12.482 | 12.149 | -0.333 |
| 106 | 50 | LDR-Biased | 12.699 | 12.301 | -0.398 |
| 108 | 50 | LDR-Biased | 12.649 | 12.629 | -0.02 |
| 109 | 50 | LDR-Biased | 12.653 | 12.424 | -0.229 |
| 110 | 50 | LDR-Biased | 12.58 | 12.311 | -0.269 |
| 111 | 50 | LDR-Biased | 12.248 | 12.37 | 0.122 |
| 112 | 50 | LDR-Unbiased | 12.288 | 12.627 | 0.339 |
| 113 | 50 | LDR-Unbiased | 12.674 | 12.527 | -0.147 |
| 115 | 50 | LDR-Unbiased | 12.664 | 12.074 | -0.59 |
| 116 | 50 | LDR-Unbiased | 12.358 | 12.385 | 0.027 |
| 117 | 50 | LDR-Unbiased | 12.48 | 12.683 | 0.203 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.304 | 12.431 | 12.558 | 0.17961 | 12.304 | 12.431 | 12.558 | 0.17961 | 0 | 0 | 0 | 0 |
| 3 | 12.248 | 12.529 | 12.699 | 0.17295 | 12.161 | 12.444 | 12.675 | 0.19093 | -0.503 | -0.0853 | 0.337 | 0.2615 |
| 10 | 12.248 | 12.529 | 12.699 | 0.17295 | 12.167 | 12.444 | 12.697 | 0.19233 | -0.497 | -0.0854 | 0.312 | 0.26373 |
| 30 | 12.248 | 12.529 | 12.699 | 0.17295 | 12.132 | 12.442 | 12.71 | 0.20451 | -0.532 | -0.0872 | 0.321 | 0.29383 |
| 50 | 12.248 | 12.529 | 12.699 | 0.17295 | 12.074 | 12.433 | 12.683 | 0.18706 | -0.59 | -0.0962 | 0.339 | 0.28529 |
| 100 | 12.249 | 12.515 | 12.701 | 0.18977 | 12.149 | 12.369 | 12.556 | 0.11501 | -0.333 | -0.14688 | 0.106 | 0.17215 |

# Device Test: 5.157 tdly_Res619K_PWRGD_SU/PWRGD/7/14/619K/0/0/@DLY_TMR_500KOHM



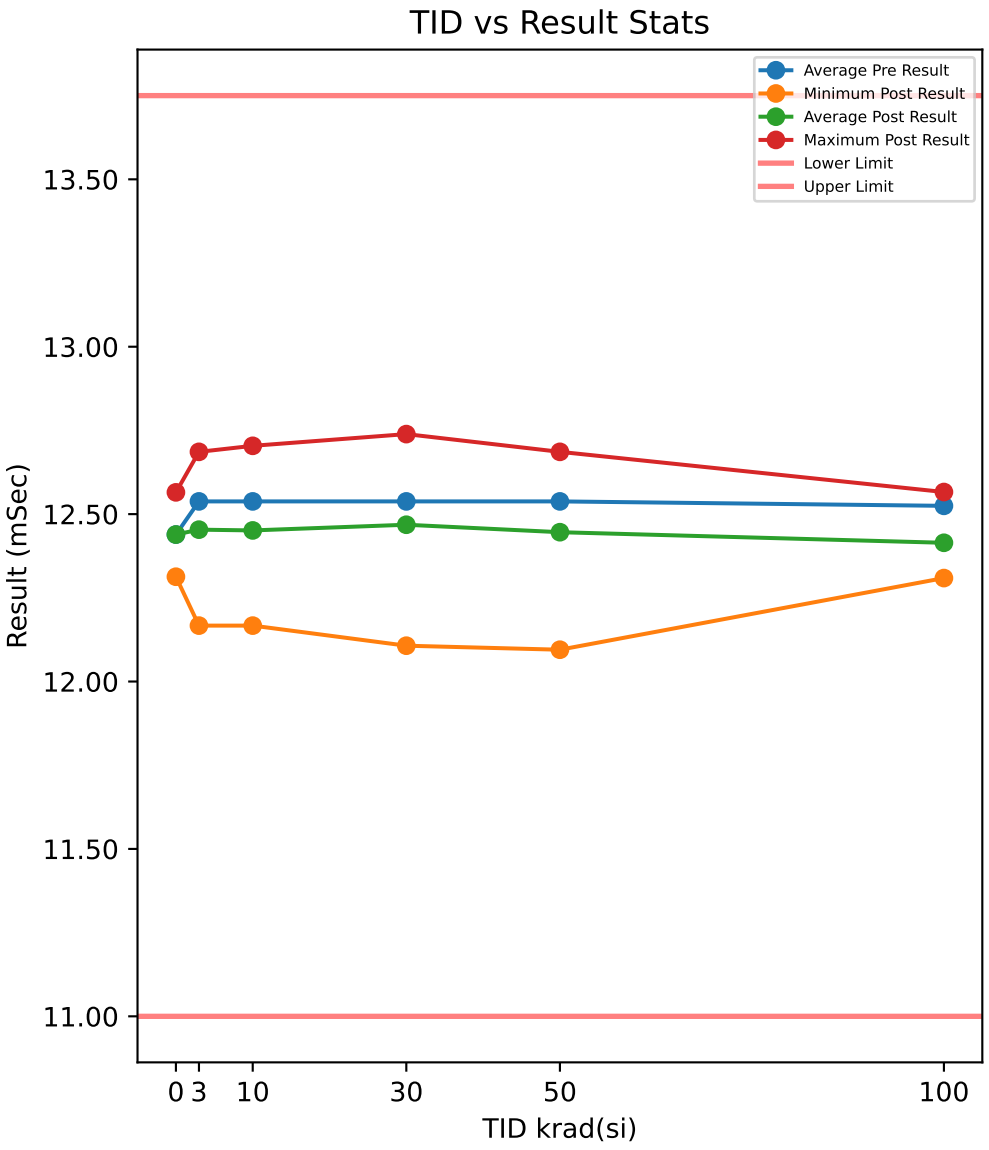

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

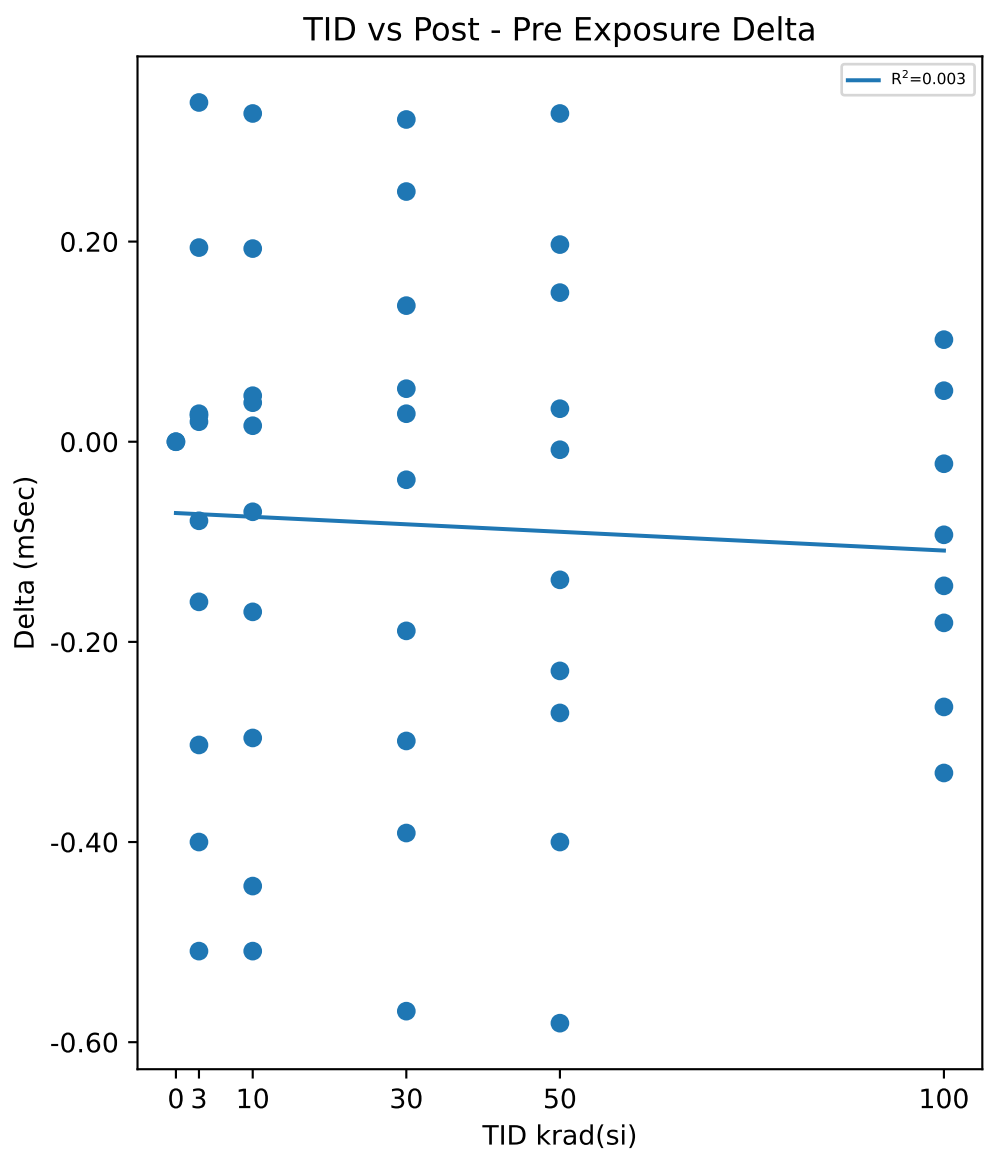
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.557 | 12.557 | 0 |
| 7 | 0 | Correlation | 12.306 | 12.306 | 0 |
| 16 | 3 | LDR-Biased | 12.664 | 12.302 | -0.362 |
| 18 | 3 | LDR-Biased | 12.65 | 12.678 | 0.028 |
| 19 | 3 | LDR-Biased | 12.653 | 12.493 | -0.16 |
| 20 | 3 | LDR-Biased | 12.581 | 12.281 | -0.3 |
| 21 | 3 | LDR-Biased | 12.244 | 12.274 | 0.03 |
| 22 | 3 | LDR-Unbiased | 12.29 | 12.623 | 0.333 |
| 23 | 3 | LDR-Unbiased | 12.675 | 12.579 | -0.096 |
| 25 | 3 | LDR-Unbiased | 12.667 | 12.159 | -0.508 |
| 26 | 3 | LDR-Unbiased | 12.355 | 12.371 | 0.016 |
| 27 | 3 | LDR-Unbiased | 12.48 | 12.672 | 0.192 |
| 46 | 10 | LDR-Biased | 12.664 | 12.287 | -0.377 |
| 48 | 10 | LDR-Biased | 12.65 | 12.699 | 0.049 |
| 49 | 10 | LDR-Biased | 12.653 | 12.488 | -0.165 |
| 50 | 10 | LDR-Biased | 12.581 | 12.292 | -0.289 |
| 51 | 10 | LDR-Biased | 12.244 | 12.286 | 0.042 |
| 52 | 10 | LDR-Unbiased | 12.29 | 12.617 | 0.327 |
| 53 | 10 | LDR-Unbiased | 12.675 | 12.603 | -0.072 |
| 55 | 10 | LDR-Unbiased | 12.667 | 12.16 | -0.507 |
| 56 | 10 | LDR-Unbiased | 12.355 | 12.38 | 0.025 |
| 57 | 10 | LDR-Unbiased | 12.48 | 12.673 | 0.193 |
| 76 | 30 | LDR-Biased | 12.664 | 12.314 | -0.35 |
| 78 | 30 | LDR-Biased | 12.65 | 12.678 | 0.028 |
| 79 | 30 | LDR-Biased | 12.653 | 12.334 | -0.319 |
| 80 | 30 | LDR-Biased | 12.581 | 12.263 | -0.318 |
| 81 | 30 | LDR-Biased | 12.244 | 12.357 | 0.113 |
| 82 | 30 | LDR-Unbiased | 12.29 | 12.61 | 0.32 |
| 83 | 30 | LDR-Unbiased | 12.675 | 12.607 | -0.068 |
| 84 | 30 | LDR-Unbiased | 12.48 | 12.73 | 0.25 |
| 85 | 30 | LDR-Unbiased | 12.667 | 12.133 | -0.534 |
| 86 | 30 | LDR-Unbiased | 12.355 | 12.407 | 0.052 |
| 87 | 100 | LDR-Biased | 12.385 | 12.362 | -0.023 |
| 88 | 100 | LDR-Biased | 12.702 | 12.553 | -0.149 |
| 90 | 100 | LDR-Biased | 12.65 | 12.558 | -0.092 |
| 91 | 100 | LDR-Unbiased | 12.289 | 12.393 | 0.104 |
| 93 | 100 | LDR-Unbiased | 12.249 | 12.3 | 0.051 |
| 94 | 100 | LDR-Unbiased | 12.701 | 12.368 | -0.333 |
| 95 | 100 | LDR-Unbiased | 12.644 | 12.409 | -0.235 |
| 96 | 100 | LDR-Unbiased | 12.482 | 12.302 | -0.18 |
| 106 | 50 | LDR-Biased | 12.664 | 12.274 | -0.39 |
| 108 | 50 | LDR-Biased | 12.65 | 12.507 | -0.143 |
| 109 | 50 | LDR-Biased | 12.653 | 12.292 | -0.361 |
| 110 | 50 | LDR-Biased | 12.581 | 12.178 | -0.403 |
| 111 | 50 | LDR-Biased | 12.244 | 12.399 | 0.155 |
| 112 | 50 | LDR-Unbiased | 12.29 | 12.629 | 0.339 |
| 113 | 50 | LDR-Unbiased | 12.675 | 12.56 | -0.115 |
| 115 | 50 | LDR-Unbiased | 12.667 | 12.087 | -0.58 |
| 116 | 50 | LDR-Unbiased | 12.355 | 12.362 | 0.007 |
| 117 | 50 | LDR-Unbiased | 12.48 | 12.658 | 0.178 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.306 | 12.431 | 12.557 | 0.17748 | 12.306 | 12.431 | 12.557 | 0.17748 | 0 | 0 | 0 | 0 |
| 3 | 12.244 | 12.526 | 12.675 | 0.1707 | 12.159 | 12.443 | 12.678 | 0.18903 | -0.508 | -0.0827 | 0.333 | 0.25717 |
| 10 | 12.244 | 12.526 | 12.675 | 0.1707 | 12.16 | 12.448 | 12.699 | 0.19203 | -0.507 | -0.0774 | 0.327 | 0.25909 |
| 30 | 12.244 | 12.526 | 12.675 | 0.1707 | 12.133 | 12.443 | 12.73 | 0.19947 | -0.534 | -0.0826 | 0.32 | 0.28443 |
| 50 | 12.244 | 12.526 | 12.675 | 0.1707 | 12.087 | 12.395 | 12.658 | 0.19206 | -0.58 | -0.1313 | 0.339 | 0.30059 |
| 100 | 12.249 | 12.513 | 12.702 | 0.18678 | 12.3 | 12.406 | 12.558 | 0.10023 | -0.333 | -0.10712 | 0.104 | 0.14703 |

# Device Test: 5.158 tdly_Res619K_EN1_SD/EN1/7/14/619K/0/0/@DLY_TMR_500KOHM



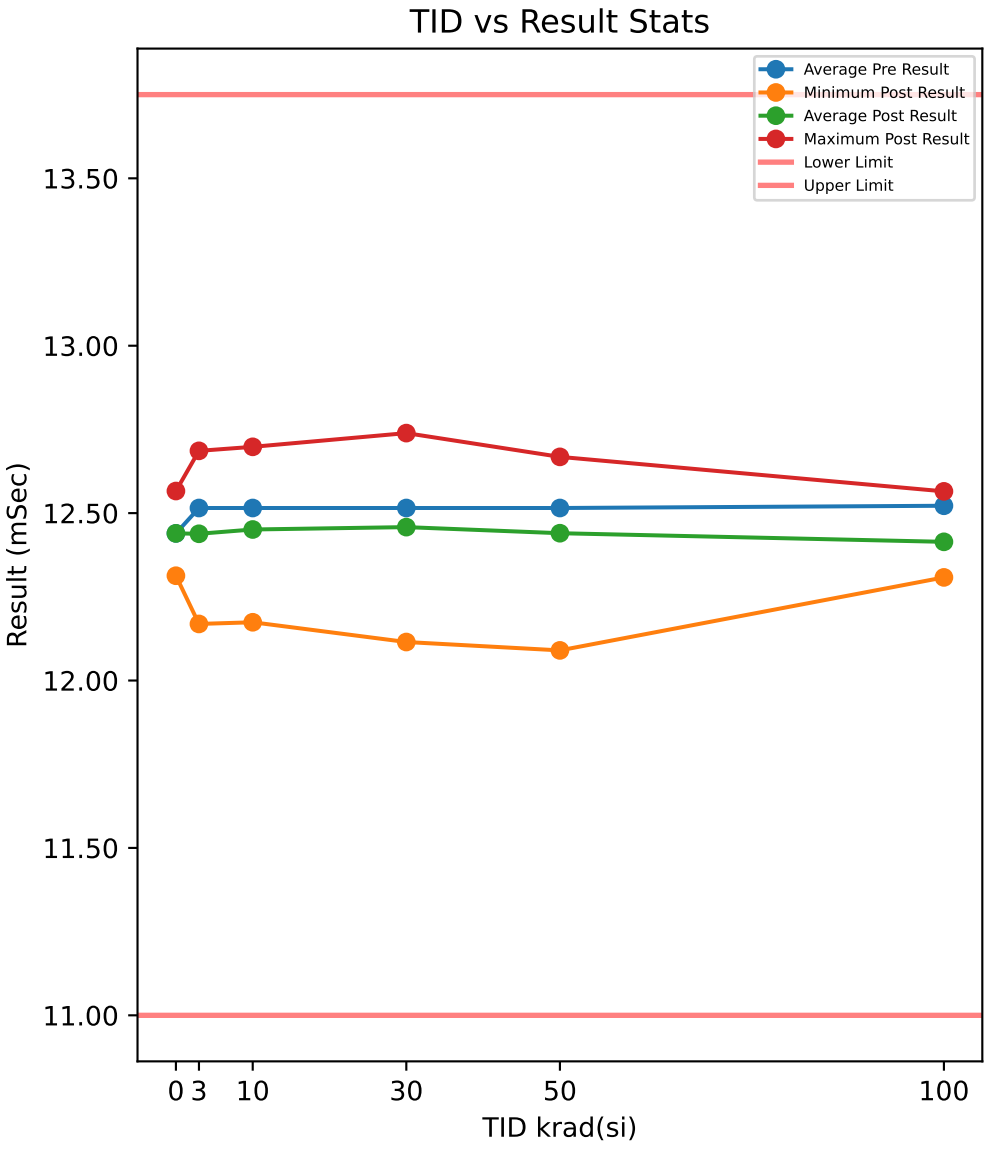

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

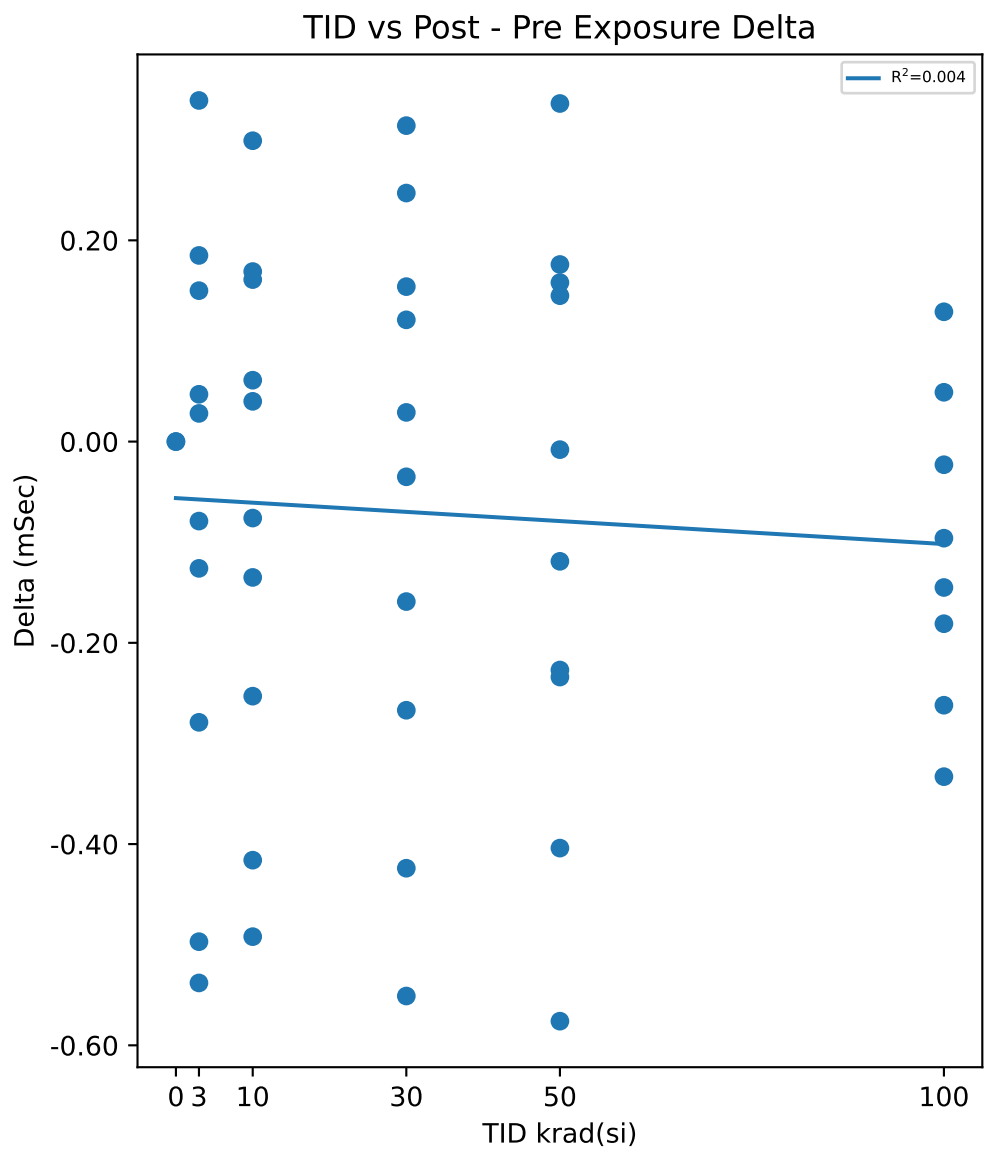
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.565 | 12.565 | 0 |
| 7 | 0 | Correlation | 12.313 | 12.313 | 0 |
| 16 | 3 | LDR-Biased | 12.709 | 12.309 | -0.4 |
| 18 | 3 | LDR-Biased | 12.658 | 12.686 | 0.028 |
| 19 | 3 | LDR-Biased | 12.664 | 12.504 | -0.16 |
| 20 | 3 | LDR-Biased | 12.59 | 12.287 | -0.303 |
| 21 | 3 | LDR-Biased | 12.256 | 12.282 | 0.026 |
| 22 | 3 | LDR-Unbiased | 12.297 | 12.636 | 0.339 |
| 23 | 3 | LDR-Unbiased | 12.683 | 12.604 | -0.079 |
| 25 | 3 | LDR-Unbiased | 12.676 | 12.167 | -0.509 |
| 26 | 3 | LDR-Unbiased | 12.358 | 12.378 | 0.02 |
| 27 | 3 | LDR-Unbiased | 12.489 | 12.683 | 0.194 |
| 46 | 10 | LDR-Biased | 12.709 | 12.265 | -0.444 |
| 48 | 10 | LDR-Biased | 12.658 | 12.704 | 0.046 |
| 49 | 10 | LDR-Biased | 12.664 | 12.494 | -0.17 |
| 50 | 10 | LDR-Biased | 12.59 | 12.294 | -0.296 |
| 51 | 10 | LDR-Biased | 12.256 | 12.272 | 0.016 |
| 52 | 10 | LDR-Unbiased | 12.297 | 12.625 | 0.328 |
| 53 | 10 | LDR-Unbiased | 12.683 | 12.613 | -0.07 |
| 55 | 10 | LDR-Unbiased | 12.676 | 12.167 | -0.509 |
| 56 | 10 | LDR-Unbiased | 12.358 | 12.397 | 0.039 |
| 57 | 10 | LDR-Unbiased | 12.489 | 12.682 | 0.193 |
| 76 | 30 | LDR-Biased | 12.709 | 12.318 | -0.391 |
| 78 | 30 | LDR-Biased | 12.658 | 12.686 | 0.028 |
| 79 | 30 | LDR-Biased | 12.664 | 12.475 | -0.189 |
| 80 | 30 | LDR-Biased | 12.59 | 12.291 | -0.299 |
| 81 | 30 | LDR-Biased | 12.256 | 12.392 | 0.136 |
| 82 | 30 | LDR-Unbiased | 12.297 | 12.619 | 0.322 |
| 83 | 30 | LDR-Unbiased | 12.683 | 12.645 | -0.038 |
| 84 | 30 | LDR-Unbiased | 12.489 | 12.739 | 0.25 |
| 85 | 30 | LDR-Unbiased | 12.676 | 12.107 | -0.569 |
| 86 | 30 | LDR-Unbiased | 12.358 | 12.411 | 0.053 |
| 87 | 100 | LDR-Biased | 12.393 | 12.371 | -0.022 |
| 88 | 100 | LDR-Biased | 12.709 | 12.565 | -0.144 |
| 90 | 100 | LDR-Biased | 12.659 | 12.566 | -0.093 |
| 91 | 100 | LDR-Unbiased | 12.298 | 12.4 | 0.102 |
| 93 | 100 | LDR-Unbiased | 12.258 | 12.309 | 0.051 |
| 94 | 100 | LDR-Unbiased | 12.708 | 12.377 | -0.331 |
| 95 | 100 | LDR-Unbiased | 12.682 | 12.417 | -0.265 |
| 96 | 100 | LDR-Unbiased | 12.491 | 12.31 | -0.181 |
| 106 | 50 | LDR-Biased | 12.709 | 12.309 | -0.4 |
| 108 | 50 | LDR-Biased | 12.658 | 12.65 | -0.008 |
| 109 | 50 | LDR-Biased | 12.664 | 12.435 | -0.229 |
| 110 | 50 | LDR-Biased | 12.59 | 12.319 | -0.271 |
| 111 | 50 | LDR-Biased | 12.256 | 12.405 | 0.149 |
| 112 | 50 | LDR-Unbiased | 12.297 | 12.625 | 0.328 |
| 113 | 50 | LDR-Unbiased | 12.683 | 12.545 | -0.138 |
| 115 | 50 | LDR-Unbiased | 12.676 | 12.095 | -0.581 |
| 116 | 50 | LDR-Unbiased | 12.358 | 12.391 | 0.033 |
| 117 | 50 | LDR-Unbiased | 12.489 | 12.686 | 0.197 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.313 | 12.439 | 12.565 | 0.17819 | 12.313 | 12.439 | 12.565 | 0.17819 | 0 | 0 | 0 | 0 |
| 3 | 12.256 | 12.538 | 12.709 | 0.1747 | 12.167 | 12.454 | 12.686 | 0.19178 | -0.509 | -0.0844 | 0.339 | 0.26372 |
| 10 | 12.256 | 12.538 | 12.709 | 0.1747 | 12.167 | 12.451 | 12.704 | 0.19737 | -0.509 | -0.0867 | 0.328 | 0.26899 |
| 30 | 12.256 | 12.538 | 12.709 | 0.1747 | 12.107 | 12.468 | 12.739 | 0.2023 | -0.569 | -0.0697 | 0.322 | 0.28731 |
| 50 | 12.256 | 12.538 | 12.709 | 0.1747 | 12.095 | 12.446 | 12.686 | 0.18378 | -0.581 | -0.092 | 0.328 | 0.28433 |
| 100 | 12.258 | 12.525 | 12.709 | 0.18949 | 12.309 | 12.414 | 12.566 | 0.10083 | -0.331 | -0.11037 | 0.102 | 0.15022 |

# Device Test: 5.159 tdly_Res619K_EN2_SD/EN2/7/14/619K/0/0/@DLY_TMR_500KOHM



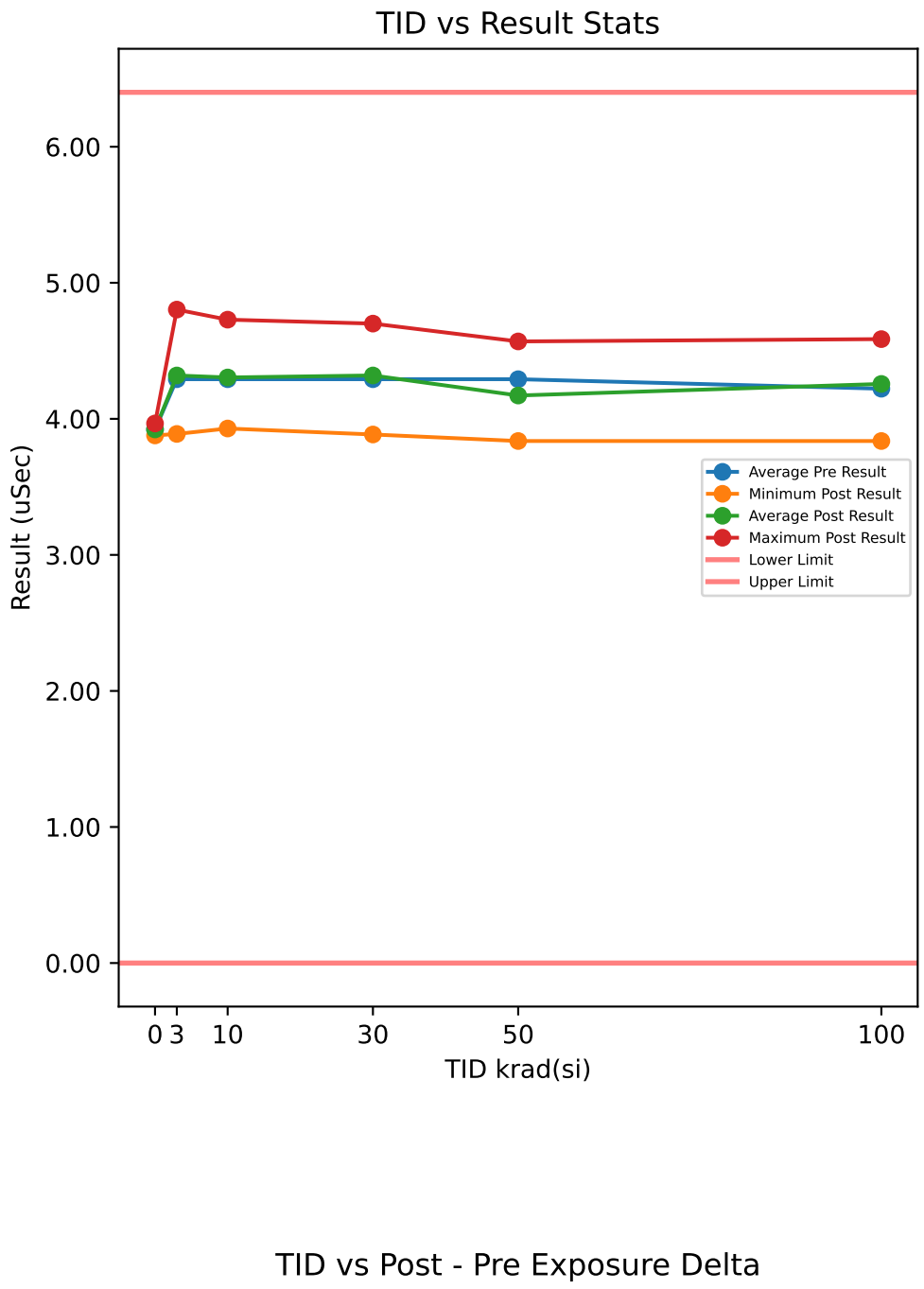

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

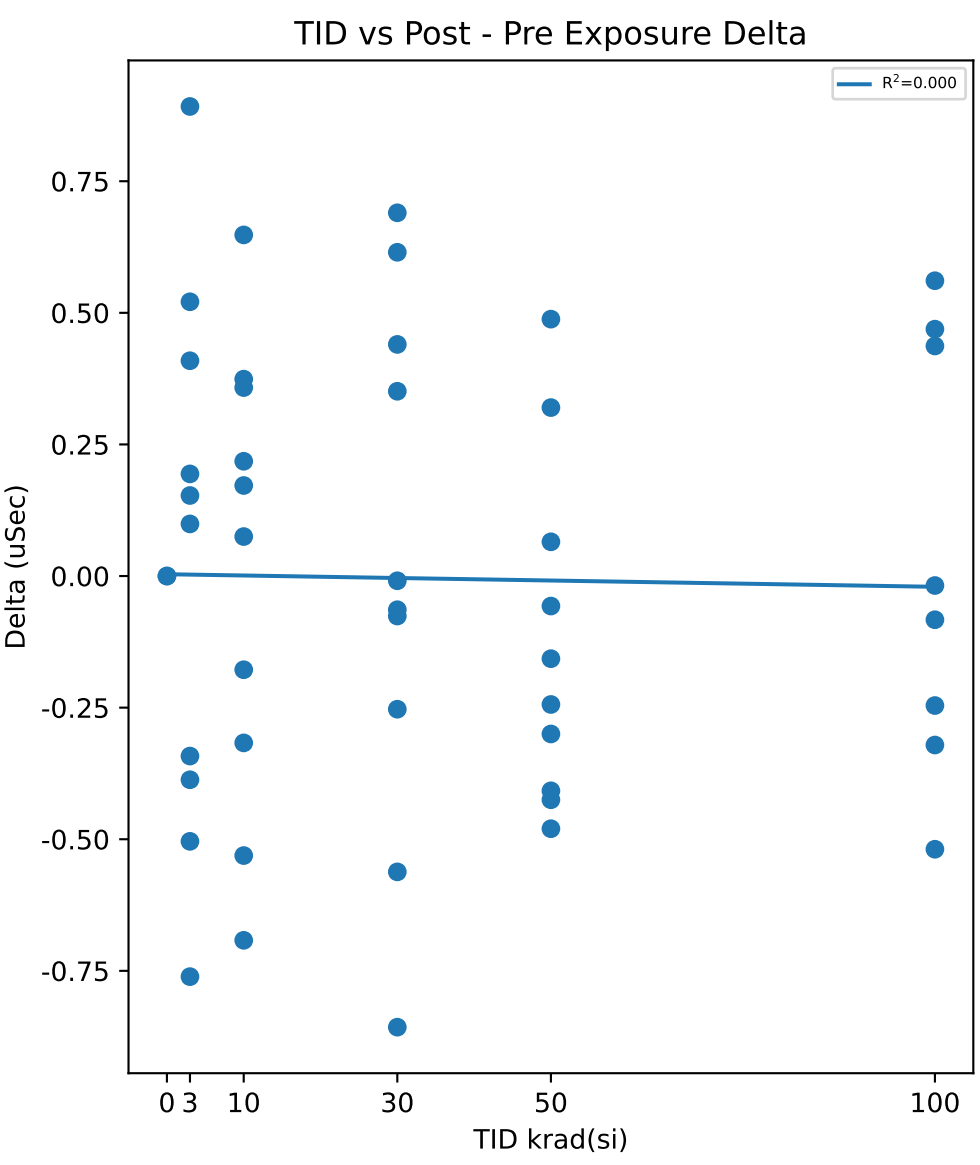
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.566 | 12.566 | 0 |
| 7 | 0 | Correlation | 12.313 | 12.313 | 0 |
| 16 | 3 | LDR-Biased | 12.71 | 12.172 | -0.538 |
| 18 | 3 | LDR-Biased | 12.658 | 12.686 | 0.028 |
| 19 | 3 | LDR-Biased | 12.631 | 12.505 | -0.126 |
| 20 | 3 | LDR-Biased | 12.552 | 12.273 | -0.279 |
| 21 | 3 | LDR-Biased | 12.235 | 12.282 | 0.047 |
| 22 | 3 | LDR-Unbiased | 12.298 | 12.637 | 0.339 |
| 23 | 3 | LDR-Unbiased | 12.683 | 12.604 | -0.079 |
| 25 | 3 | LDR-Unbiased | 12.666 | 12.169 | -0.497 |
| 26 | 3 | LDR-Unbiased | 12.228 | 12.378 | 0.15 |
| 27 | 3 | LDR-Unbiased | 12.492 | 12.677 | 0.185 |
| 46 | 10 | LDR-Biased | 12.71 | 12.294 | -0.416 |
| 48 | 10 | LDR-Biased | 12.658 | 12.698 | 0.04 |
| 49 | 10 | LDR-Biased | 12.631 | 12.496 | -0.135 |
| 50 | 10 | LDR-Biased | 12.552 | 12.299 | -0.253 |
| 51 | 10 | LDR-Biased | 12.235 | 12.296 | 0.061 |
| 52 | 10 | LDR-Unbiased | 12.298 | 12.597 | 0.299 |
| 53 | 10 | LDR-Unbiased | 12.683 | 12.607 | -0.076 |
| 55 | 10 | LDR-Unbiased | 12.666 | 12.174 | -0.492 |
| 56 | 10 | LDR-Unbiased | 12.228 | 12.397 | 0.169 |
| 57 | 10 | LDR-Unbiased | 12.492 | 12.653 | 0.161 |
| 76 | 30 | LDR-Biased | 12.71 | 12.286 | -0.424 |
| 78 | 30 | LDR-Biased | 12.658 | 12.687 | 0.029 |
| 79 | 30 | LDR-Biased | 12.631 | 12.472 | -0.159 |
| 80 | 30 | LDR-Biased | 12.552 | 12.285 | -0.267 |
| 81 | 30 | LDR-Biased | 12.235 | 12.356 | 0.121 |
| 82 | 30 | LDR-Unbiased | 12.298 | 12.612 | 0.314 |
| 83 | 30 | LDR-Unbiased | 12.683 | 12.648 | -0.035 |
| 84 | 30 | LDR-Unbiased | 12.492 | 12.739 | 0.247 |
| 85 | 30 | LDR-Unbiased | 12.666 | 12.115 | -0.551 |
| 86 | 30 | LDR-Unbiased | 12.228 | 12.382 | 0.154 |
| 87 | 100 | LDR-Biased | 12.393 | 12.37 | -0.023 |
| 88 | 100 | LDR-Biased | 12.71 | 12.565 | -0.145 |
| 90 | 100 | LDR-Biased | 12.661 | 12.565 | -0.096 |
| 91 | 100 | LDR-Unbiased | 12.273 | 12.402 | 0.129 |
| 93 | 100 | LDR-Unbiased | 12.259 | 12.308 | 0.049 |
| 94 | 100 | LDR-Unbiased | 12.709 | 12.376 | -0.333 |
| 95 | 100 | LDR-Unbiased | 12.68 | 12.418 | -0.262 |
| 96 | 100 | LDR-Unbiased | 12.491 | 12.31 | -0.181 |
| 106 | 50 | LDR-Biased | 12.71 | 12.306 | -0.404 |
| 108 | 50 | LDR-Biased | 12.658 | 12.65 | -0.008 |
| 109 | 50 | LDR-Biased | 12.631 | 12.404 | -0.227 |
| 110 | 50 | LDR-Biased | 12.552 | 12.318 | -0.234 |
| 111 | 50 | LDR-Biased | 12.235 | 12.38 | 0.145 |
| 112 | 50 | LDR-Unbiased | 12.298 | 12.634 | 0.336 |
| 113 | 50 | LDR-Unbiased | 12.683 | 12.564 | -0.119 |
| 115 | 50 | LDR-Unbiased | 12.666 | 12.09 | -0.576 |
| 116 | 50 | LDR-Unbiased | 12.228 | 12.386 | 0.158 |
| 117 | 50 | LDR-Unbiased | 12.492 | 12.668 | 0.176 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.313 | 12.44 | 12.566 | 0.1789 | 12.313 | 12.44 | 12.566 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.228 | 12.515 | 12.71 | 0.19227 | 12.169 | 12.438 | 12.686 | 0.20778 | -0.538 | -0.077 | 0.339 | 0.28901 |
| 10 | 12.228 | 12.515 | 12.71 | 0.19227 | 12.174 | 12.451 | 12.698 | 0.18285 | -0.492 | -0.0642 | 0.299 | 0.26058 |
| 30 | 12.228 | 12.515 | 12.71 | 0.19227 | 12.115 | 12.458 | 12.739 | 0.20676 | -0.551 | -0.0571 | 0.314 | 0.28817 |
| 50 | 12.228 | 12.515 | 12.71 | 0.19227 | 12.09 | 12.44 | 12.668 | 0.18626 | -0.576 | -0.0753 | 0.336 | 0.28842 |
| 100 | 12.259 | 12.522 | 12.71 | 0.19397 | 12.308 | 12.414 | 12.565 | 0.10085 | -0.333 | -0.10775 | 0.129 | 0.15548 |

# Device Test: 5.16 tpd_SEQ_SU/SEQ_DONE/1.6/14/0/0/0/@TPD_SEQ_DONE



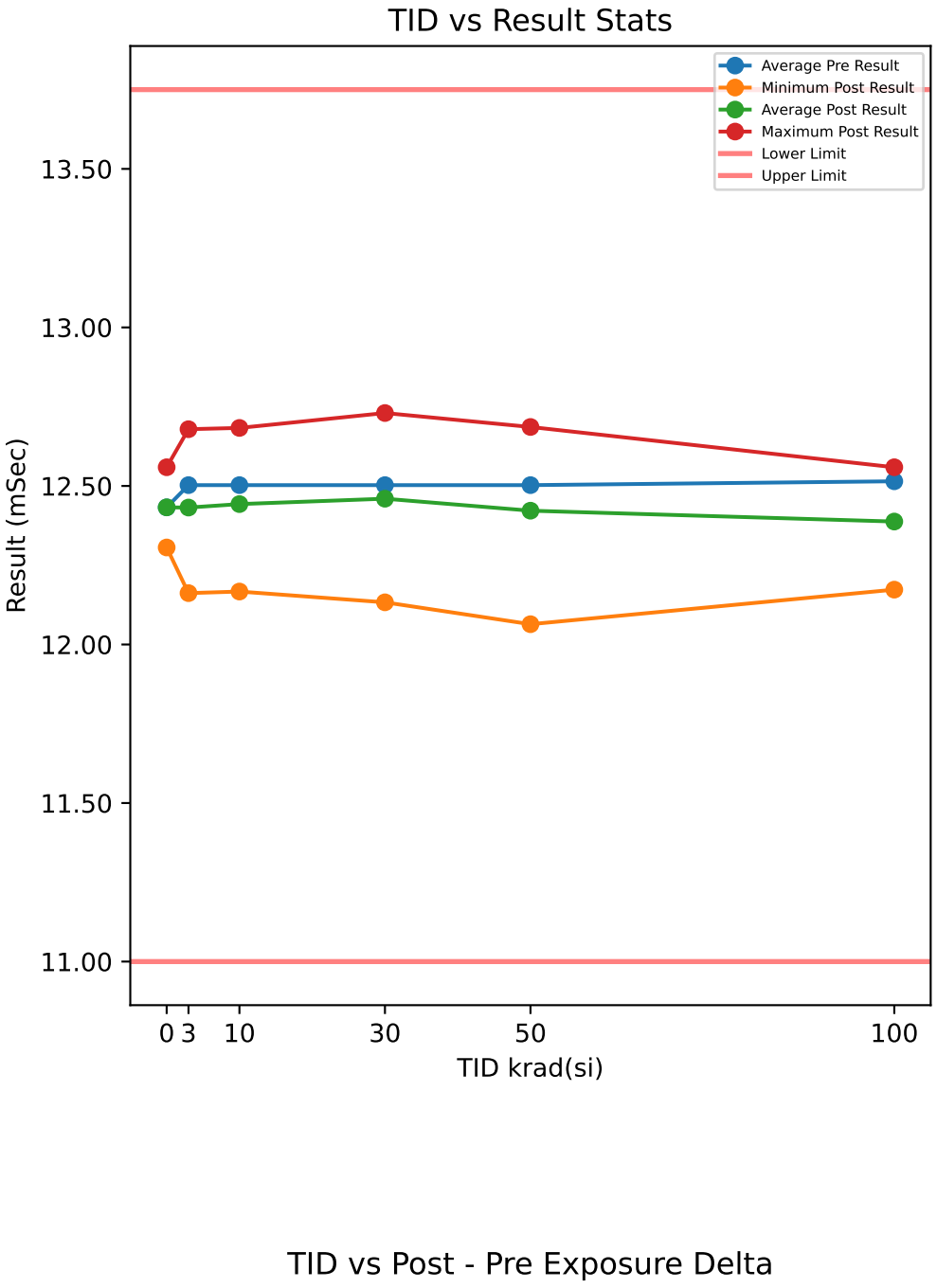

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

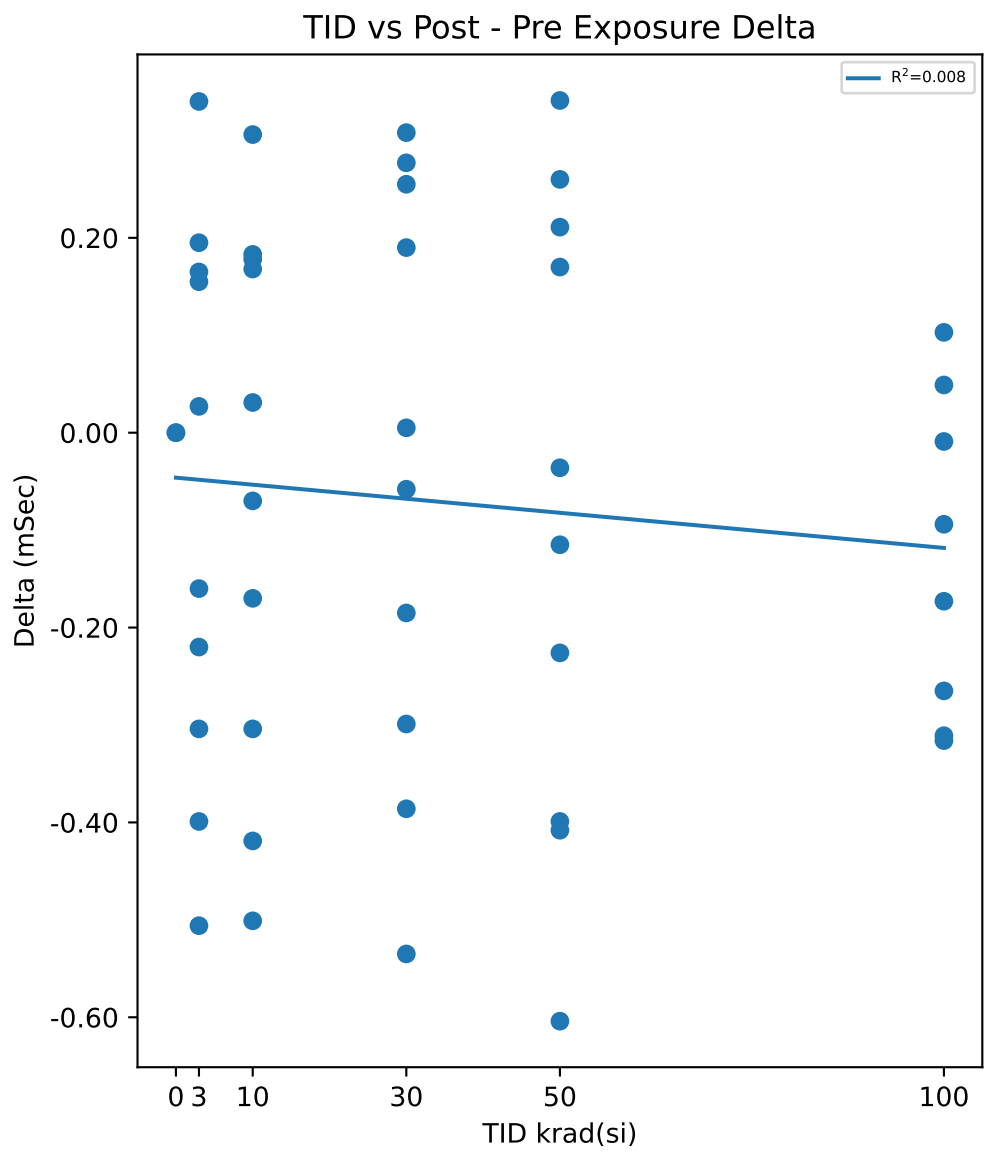
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.966 | 3.966 | 0 |
| 7 | 0 | Correlation | 3.878 | 3.878 | 0 |
| 16 | 3 | LDR-Biased | 4.742 | 3.981 | -0.761 |
| 18 | 3 | LDR-Biased | 4.022 | 4.216 | 0.194 |
| 19 | 3 | LDR-Biased | 4.393 | 3.889 | -0.504 |
| 20 | 3 | LDR-Biased | 4.282 | 4.803 | 0.521 |
| 21 | 3 | LDR-Biased | 3.894 | 4.786 | 0.892 |
| 22 | 3 | LDR-Unbiased | 4.46 | 4.118 | -0.342 |
| 23 | 3 | LDR-Unbiased | 4.816 | 4.429 | -0.387 |
| 25 | 3 | LDR-Unbiased | 4.081 | 4.49 | 0.409 |
| 26 | 3 | LDR-Unbiased | 4.138 | 4.237 | 0.099 |
| 27 | 3 | LDR-Unbiased | 4.085 | 4.238 | 0.153 |
| 46 | 10 | LDR-Biased | 4.742 | 4.425 | -0.317 |
| 48 | 10 | LDR-Biased | 4.022 | 4.194 | 0.172 |
| 49 | 10 | LDR-Biased | 4.393 | 4.611 | 0.218 |
| 50 | 10 | LDR-Biased | 4.282 | 4.64 | 0.358 |
| 51 | 10 | LDR-Biased | 3.894 | 3.969 | 0.075 |
| 52 | 10 | LDR-Unbiased | 4.46 | 3.929 | -0.531 |
| 53 | 10 | LDR-Unbiased | 4.816 | 4.124 | -0.692 |
| 55 | 10 | LDR-Unbiased | 4.081 | 4.729 | 0.648 |
| 56 | 10 | LDR-Unbiased | 4.138 | 3.96 | -0.178 |
| 57 | 10 | LDR-Unbiased | 4.085 | 4.459 | 0.374 |
| 76 | 30 | LDR-Biased | 4.742 | 3.885 | -0.857 |
| 78 | 30 | LDR-Biased | 4.022 | 4.373 | 0.351 |
| 79 | 30 | LDR-Biased | 4.393 | 4.317 | -0.076 |
| 80 | 30 | LDR-Biased | 4.282 | 4.273 | -0.009 |
| 81 | 30 | LDR-Biased | 3.894 | 4.584 | 0.69 |
| 82 | 30 | LDR-Unbiased | 4.46 | 4.207 | -0.253 |
| 83 | 30 | LDR-Unbiased | 4.816 | 4.254 | -0.562 |
| 84 | 30 | LDR-Unbiased | 4.085 | 4.7 | 0.615 |
| 85 | 30 | LDR-Unbiased | 4.081 | 4.521 | 0.44 |
| 86 | 30 | LDR-Unbiased | 4.138 | 4.074 | -0.064 |
| 87 | 100 | LDR-Biased | 4.287 | 3.966 | -0.321 |
| 88 | 100 | LDR-Biased | 4.541 | 4.295 | -0.246 |
| 90 | 100 | LDR-Biased | 3.963 | 4.432 | 0.469 |
| 91 | 100 | LDR-Unbiased | 4.149 | 4.586 | 0.437 |
| 93 | 100 | LDR-Unbiased | 4.355 | 4.272 | -0.083 |
| 94 | 100 | LDR-Unbiased | 4.666 | 4.147 | -0.519 |
| 95 | 100 | LDR-Unbiased | 3.855 | 3.837 | -0.018 |
| 96 | 100 | LDR-Unbiased | 3.956 | 4.517 | 0.561 |
| 106 | 50 | LDR-Biased | 4.742 | 4.334 | -0.408 |
| 108 | 50 | LDR-Biased | 4.022 | 4.087 | 0.065 |
| 109 | 50 | LDR-Biased | 4.393 | 4.149 | -0.244 |
| 110 | 50 | LDR-Biased | 4.282 | 3.857 | -0.425 |
| 111 | 50 | LDR-Biased | 3.894 | 3.837 | -0.057 |
| 112 | 50 | LDR-Unbiased | 4.46 | 4.303 | -0.157 |
| 113 | 50 | LDR-Unbiased | 4.816 | 4.336 | -0.48 |
| 115 | 50 | LDR-Unbiased | 4.081 | 4.569 | 0.488 |
| 116 | 50 | LDR-Unbiased | 4.138 | 3.838 | -0.3 |
| 117 | 50 | LDR-Unbiased | 4.085 | 4.405 | 0.32 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.878 | 3.922 | 3.966 | 0.062225 | 3.878 | 3.922 | 3.966 | 0.062225 | 0 | 0 | 0 | 0 |
| 3 | 3.894 | 4.2913 | 4.816 | 0.30876 | 3.889 | 4.3187 | 4.803 | 0.3086 | -0.761 | 0.0274 | 0.892 | 0.51614 |
| 10 | 3.894 | 4.2913 | 4.816 | 0.30876 | 3.929 | 4.304 | 4.729 | 0.30589 | -0.692 | 0.0127 | 0.648 | 0.42974 |
| 30 | 3.894 | 4.2913 | 4.816 | 0.30876 | 3.885 | 4.3188 | 4.7 | 0.24184 | -0.857 | 0.0275 | 0.69 | 0.50418 |
| 50 | 3.894 | 4.2913 | 4.816 | 0.30876 | 3.837 | 4.1715 | 4.569 | 0.26097 | -0.48 | -0.1198 | 0.488 | 0.32595 |
| 100 | 3.855 | 4.2215 | 4.666 | 0.29244 | 3.837 | 4.2565 | 4.586 | 0.26222 | -0.519 | 0.035 | 0.561 | 0.40637 |

# Device Test: 5.160 tdly_Res619K_EN3_SD/EN3/7/14/619K/0/0/@DLY_TMR_500KOHM



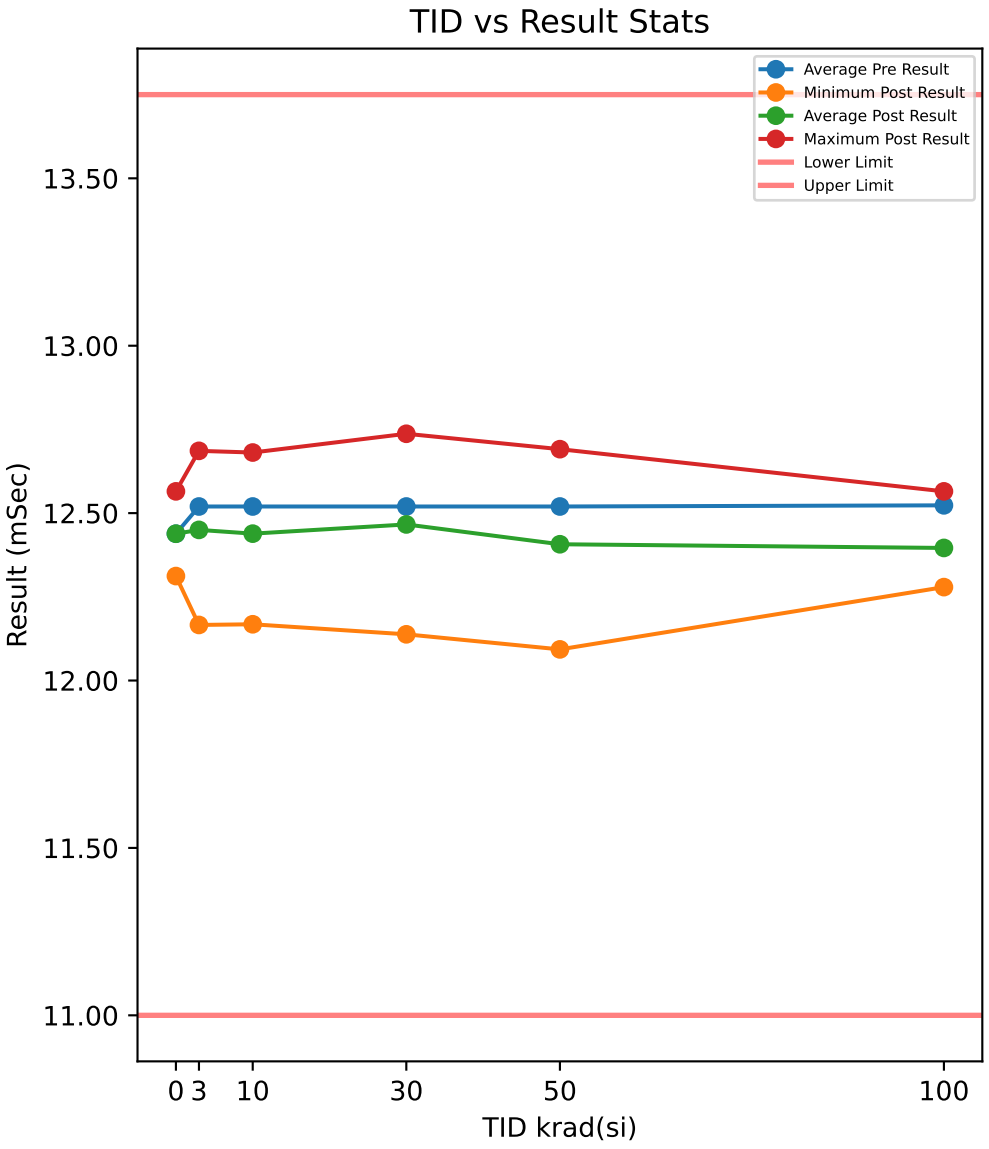

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

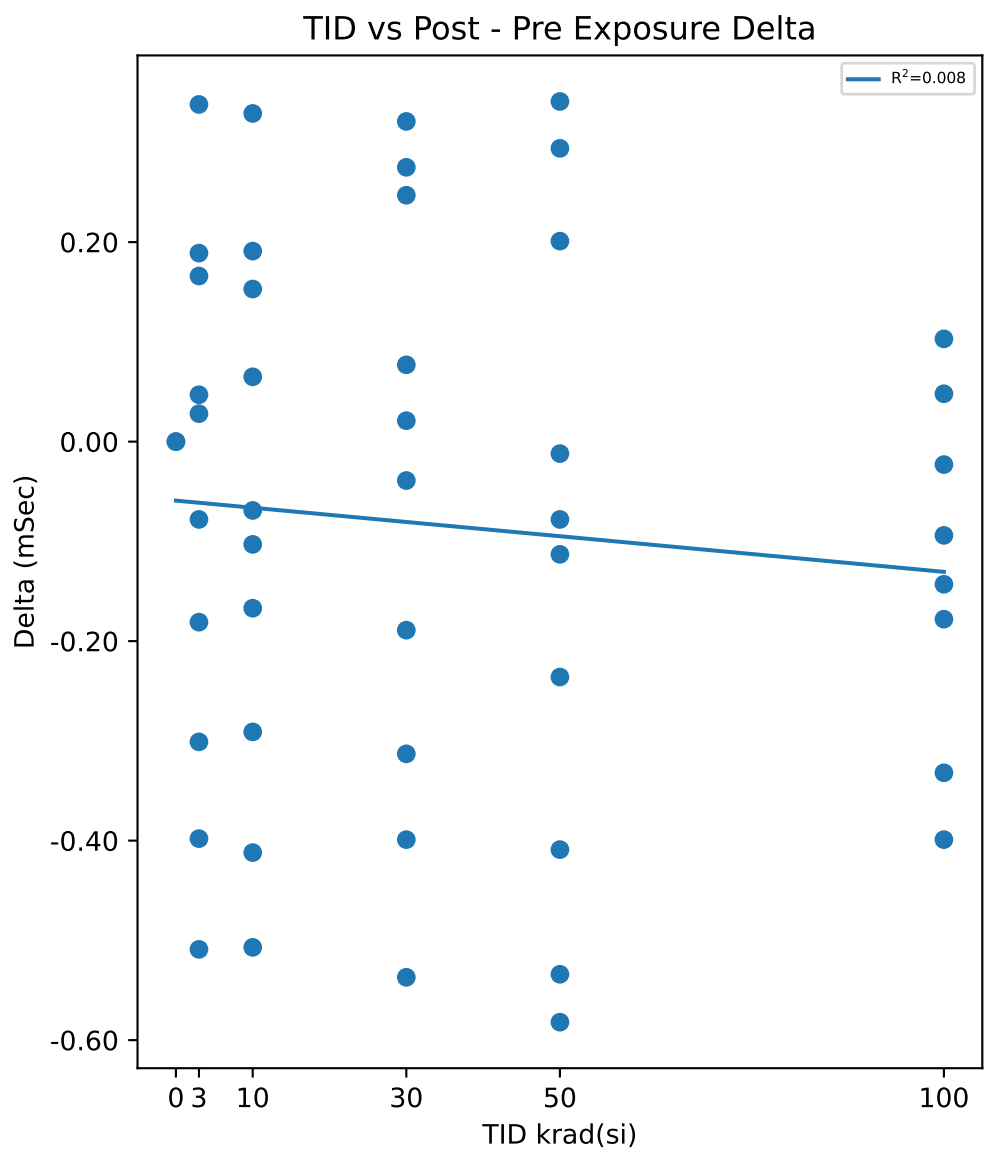
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.559 | 12.559 | 0 |
| 7 | 0 | Correlation | 12.306 | 12.306 | 0 |
| 16 | 3 | LDR-Biased | 12.702 | 12.303 | -0.399 |
| 18 | 3 | LDR-Biased | 12.652 | 12.679 | 0.027 |
| 19 | 3 | LDR-Biased | 12.654 | 12.494 | -0.16 |
| 20 | 3 | LDR-Biased | 12.582 | 12.278 | -0.304 |
| 21 | 3 | LDR-Biased | 12.11 | 12.275 | 0.165 |
| 22 | 3 | LDR-Unbiased | 12.29 | 12.63 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.676 | 12.456 | -0.22 |
| 25 | 3 | LDR-Unbiased | 12.668 | 12.162 | -0.506 |
| 26 | 3 | LDR-Unbiased | 12.217 | 12.372 | 0.155 |
| 27 | 3 | LDR-Unbiased | 12.475 | 12.67 | 0.195 |
| 46 | 10 | LDR-Biased | 12.702 | 12.283 | -0.419 |
| 48 | 10 | LDR-Biased | 12.652 | 12.683 | 0.031 |
| 49 | 10 | LDR-Biased | 12.654 | 12.484 | -0.17 |
| 50 | 10 | LDR-Biased | 12.582 | 12.278 | -0.304 |
| 51 | 10 | LDR-Biased | 12.11 | 12.288 | 0.178 |
| 52 | 10 | LDR-Unbiased | 12.29 | 12.596 | 0.306 |
| 53 | 10 | LDR-Unbiased | 12.676 | 12.606 | -0.07 |
| 55 | 10 | LDR-Unbiased | 12.668 | 12.167 | -0.501 |
| 56 | 10 | LDR-Unbiased | 12.217 | 12.385 | 0.168 |
| 57 | 10 | LDR-Unbiased | 12.475 | 12.658 | 0.183 |
| 76 | 30 | LDR-Biased | 12.702 | 12.316 | -0.386 |
| 78 | 30 | LDR-Biased | 12.652 | 12.657 | 0.005 |
| 79 | 30 | LDR-Biased | 12.654 | 12.469 | -0.185 |
| 80 | 30 | LDR-Biased | 12.582 | 12.283 | -0.299 |
| 81 | 30 | LDR-Biased | 12.11 | 12.387 | 0.277 |
| 82 | 30 | LDR-Unbiased | 12.29 | 12.598 | 0.308 |
| 83 | 30 | LDR-Unbiased | 12.676 | 12.618 | -0.058 |
| 84 | 30 | LDR-Unbiased | 12.475 | 12.73 | 0.255 |
| 85 | 30 | LDR-Unbiased | 12.668 | 12.133 | -0.535 |
| 86 | 30 | LDR-Unbiased | 12.217 | 12.407 | 0.19 |
| 87 | 100 | LDR-Biased | 12.373 | 12.364 | -0.009 |
| 88 | 100 | LDR-Biased | 12.704 | 12.531 | -0.173 |
| 90 | 100 | LDR-Biased | 12.653 | 12.559 | -0.094 |
| 91 | 100 | LDR-Unbiased | 12.291 | 12.394 | 0.103 |
| 93 | 100 | LDR-Unbiased | 12.253 | 12.302 | 0.049 |
| 94 | 100 | LDR-Unbiased | 12.686 | 12.37 | -0.316 |
| 95 | 100 | LDR-Unbiased | 12.674 | 12.409 | -0.265 |
| 96 | 100 | LDR-Unbiased | 12.484 | 12.173 | -0.311 |
| 106 | 50 | LDR-Biased | 12.702 | 12.303 | -0.399 |
| 108 | 50 | LDR-Biased | 12.652 | 12.616 | -0.036 |
| 109 | 50 | LDR-Biased | 12.654 | 12.428 | -0.226 |
| 110 | 50 | LDR-Biased | 12.582 | 12.174 | -0.408 |
| 111 | 50 | LDR-Biased | 12.11 | 12.37 | 0.26 |
| 112 | 50 | LDR-Unbiased | 12.29 | 12.631 | 0.341 |
| 113 | 50 | LDR-Unbiased | 12.676 | 12.561 | -0.115 |
| 115 | 50 | LDR-Unbiased | 12.668 | 12.064 | -0.604 |
| 116 | 50 | LDR-Unbiased | 12.217 | 12.387 | 0.17 |
| 117 | 50 | LDR-Unbiased | 12.475 | 12.686 | 0.211 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.306 | 12.432 | 12.559 | 0.1789 | 12.306 | 12.432 | 12.559 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.11 | 12.503 | 12.702 | 0.21868 | 12.162 | 12.432 | 12.679 | 0.18342 | -0.506 | -0.0707 | 0.34 | 0.28622 |
| 10 | 12.11 | 12.503 | 12.702 | 0.21868 | 12.167 | 12.443 | 12.683 | 0.18615 | -0.501 | -0.0598 | 0.306 | 0.27988 |
| 30 | 12.11 | 12.503 | 12.702 | 0.21868 | 12.133 | 12.46 | 12.73 | 0.18942 | -0.535 | -0.0428 | 0.308 | 0.30123 |
| 50 | 12.11 | 12.503 | 12.702 | 0.21868 | 12.064 | 12.422 | 12.686 | 0.20497 | -0.604 | -0.0806 | 0.341 | 0.32462 |
| 100 | 12.253 | 12.515 | 12.704 | 0.18869 | 12.173 | 12.388 | 12.559 | 0.12229 | -0.316 | -0.127 | 0.103 | 0.16459 |

# Device Test: 5.161 tdly_Res619K_EN4_SD/EN4/7/14/619K/0/0/@DLY_TMR_500KOHM



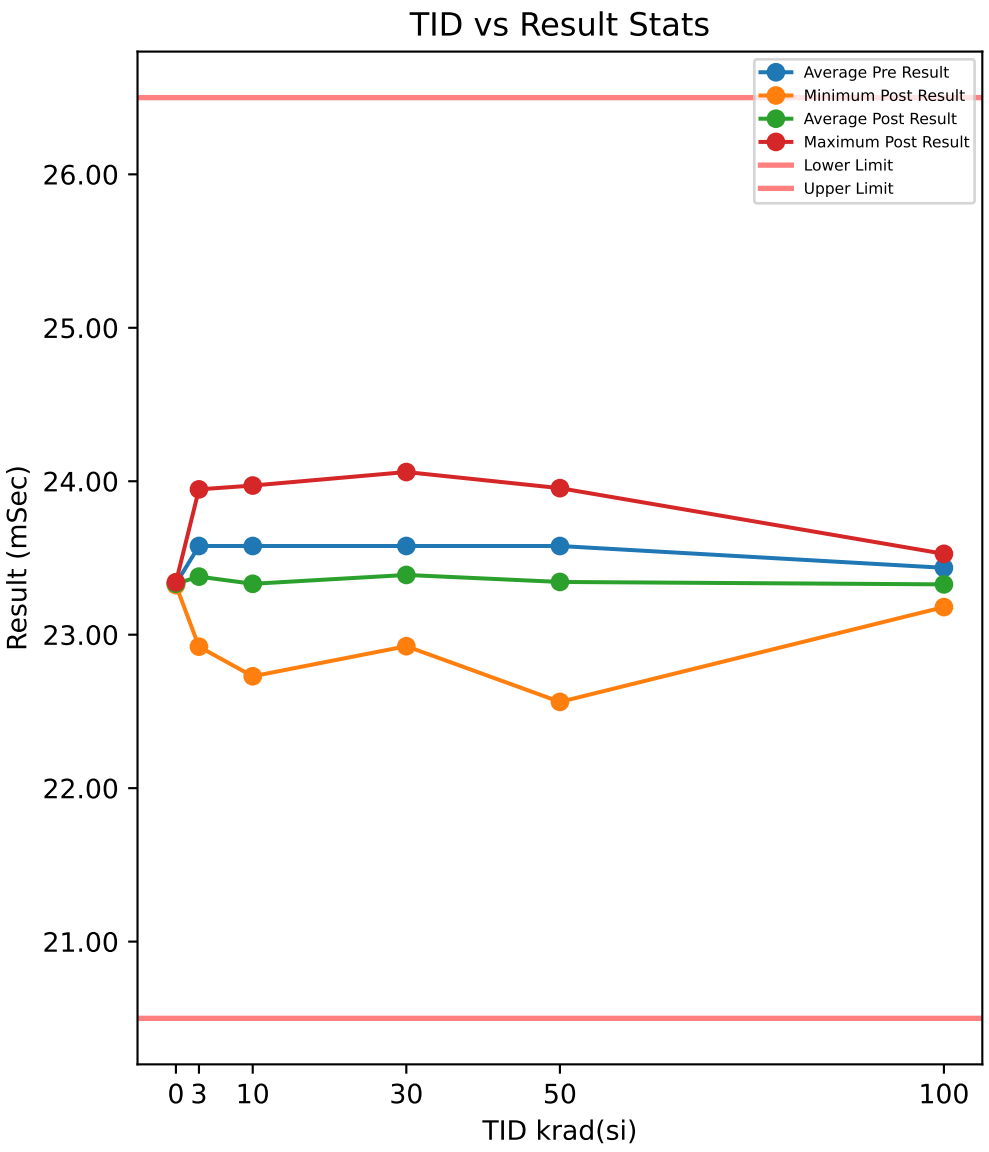

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

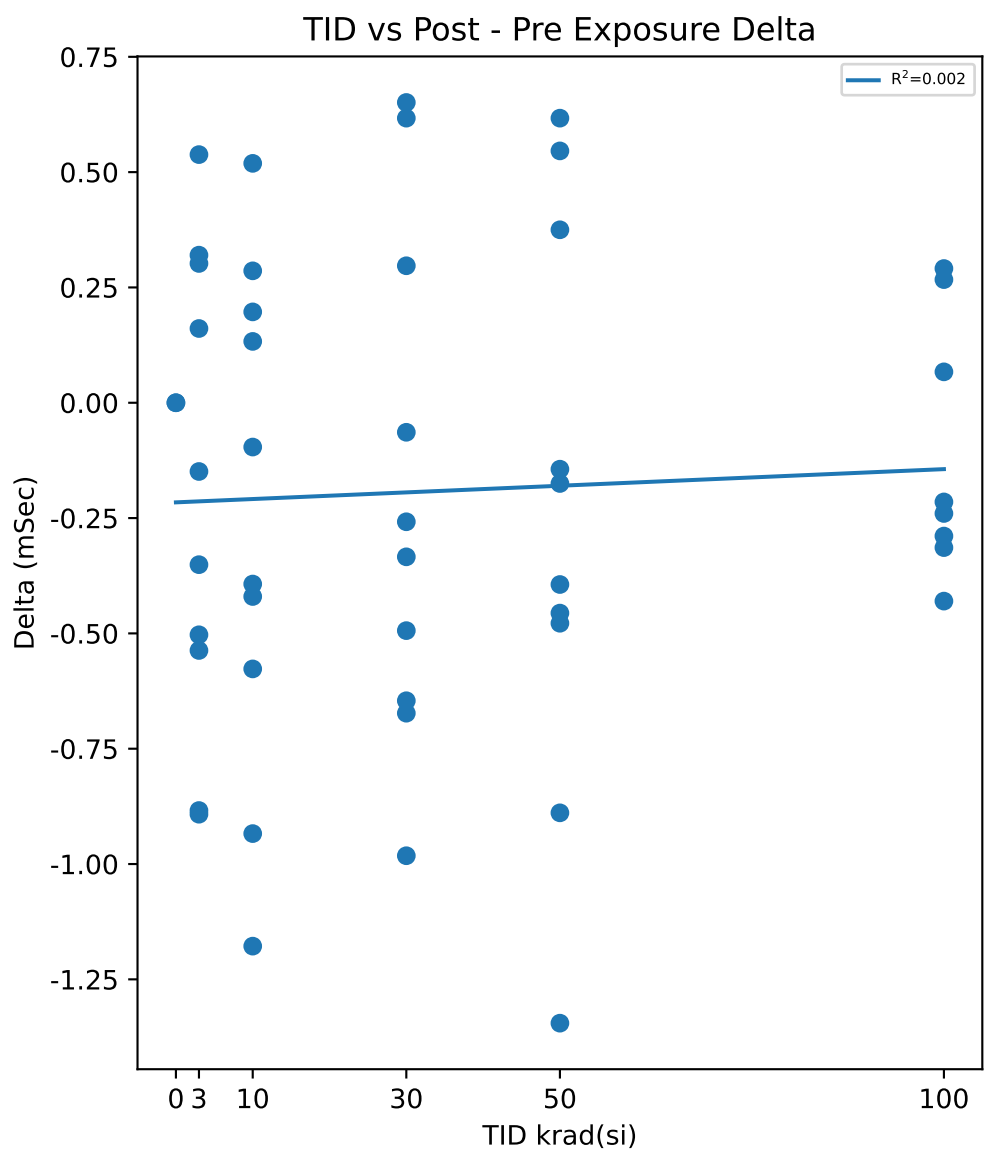
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.565 | 12.565 | 0 |
| 7 | 0 | Correlation | 12.312 | 12.312 | 0 |
| 16 | 3 | LDR-Biased | 12.706 | 12.308 | -0.398 |
| 18 | 3 | LDR-Biased | 12.658 | 12.686 | 0.028 |
| 19 | 3 | LDR-Biased | 12.662 | 12.481 | -0.181 |
| 20 | 3 | LDR-Biased | 12.588 | 12.287 | -0.301 |
| 21 | 3 | LDR-Biased | 12.112 | 12.278 | 0.166 |
| 22 | 3 | LDR-Unbiased | 12.296 | 12.634 | 0.338 |
| 23 | 3 | LDR-Unbiased | 12.681 | 12.603 | -0.078 |
| 25 | 3 | LDR-Unbiased | 12.675 | 12.166 | -0.509 |
| 26 | 3 | LDR-Unbiased | 12.33 | 12.377 | 0.047 |
| 27 | 3 | LDR-Unbiased | 12.49 | 12.679 | 0.189 |
| 46 | 10 | LDR-Biased | 12.706 | 12.294 | -0.412 |
| 48 | 10 | LDR-Biased | 12.658 | 12.555 | -0.103 |
| 49 | 10 | LDR-Biased | 12.662 | 12.495 | -0.167 |
| 50 | 10 | LDR-Biased | 12.588 | 12.297 | -0.291 |
| 51 | 10 | LDR-Biased | 12.112 | 12.265 | 0.153 |
| 52 | 10 | LDR-Unbiased | 12.296 | 12.625 | 0.329 |
| 53 | 10 | LDR-Unbiased | 12.681 | 12.612 | -0.069 |
| 55 | 10 | LDR-Unbiased | 12.675 | 12.168 | -0.507 |
| 56 | 10 | LDR-Unbiased | 12.33 | 12.395 | 0.065 |
| 57 | 10 | LDR-Unbiased | 12.49 | 12.681 | 0.191 |
| 76 | 30 | LDR-Biased | 12.706 | 12.307 | -0.399 |
| 78 | 30 | LDR-Biased | 12.658 | 12.679 | 0.021 |
| 79 | 30 | LDR-Biased | 12.662 | 12.473 | -0.189 |
| 80 | 30 | LDR-Biased | 12.588 | 12.275 | -0.313 |
| 81 | 30 | LDR-Biased | 12.112 | 12.387 | 0.275 |
| 82 | 30 | LDR-Unbiased | 12.296 | 12.617 | 0.321 |
| 83 | 30 | LDR-Unbiased | 12.681 | 12.642 | -0.039 |
| 84 | 30 | LDR-Unbiased | 12.49 | 12.737 | 0.247 |
| 85 | 30 | LDR-Unbiased | 12.675 | 12.138 | -0.537 |
| 86 | 30 | LDR-Unbiased | 12.33 | 12.407 | 0.077 |
| 87 | 100 | LDR-Biased | 12.392 | 12.369 | -0.023 |
| 88 | 100 | LDR-Biased | 12.706 | 12.563 | -0.143 |
| 90 | 100 | LDR-Biased | 12.659 | 12.565 | -0.094 |
| 91 | 100 | LDR-Unbiased | 12.296 | 12.399 | 0.103 |
| 93 | 100 | LDR-Unbiased | 12.258 | 12.306 | 0.048 |
| 94 | 100 | LDR-Unbiased | 12.709 | 12.377 | -0.332 |
| 95 | 100 | LDR-Unbiased | 12.678 | 12.279 | -0.399 |
| 96 | 100 | LDR-Unbiased | 12.488 | 12.31 | -0.178 |
| 106 | 50 | LDR-Biased | 12.706 | 12.172 | -0.534 |
| 108 | 50 | LDR-Biased | 12.658 | 12.646 | -0.012 |
| 109 | 50 | LDR-Biased | 12.662 | 12.426 | -0.236 |
| 110 | 50 | LDR-Biased | 12.588 | 12.179 | -0.409 |
| 111 | 50 | LDR-Biased | 12.112 | 12.406 | 0.294 |
| 112 | 50 | LDR-Unbiased | 12.296 | 12.637 | 0.341 |
| 113 | 50 | LDR-Unbiased | 12.681 | 12.568 | -0.113 |
| 115 | 50 | LDR-Unbiased | 12.675 | 12.093 | -0.582 |
| 116 | 50 | LDR-Unbiased | 12.33 | 12.252 | -0.078 |
| 117 | 50 | LDR-Unbiased | 12.49 | 12.691 | 0.201 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.312 | 12.438 | 12.565 | 0.1789 | 12.312 | 12.438 | 12.565 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.112 | 12.52 | 12.706 | 0.20602 | 12.166 | 12.45 | 12.686 | 0.1911 | -0.509 | -0.0699 | 0.338 | 0.27459 |
| 10 | 12.112 | 12.52 | 12.706 | 0.20602 | 12.168 | 12.439 | 12.681 | 0.17843 | -0.507 | -0.0811 | 0.329 | 0.27107 |
| 30 | 12.112 | 12.52 | 12.706 | 0.20602 | 12.138 | 12.466 | 12.737 | 0.19768 | -0.537 | -0.0536 | 0.321 | 0.29816 |
| 50 | 12.112 | 12.52 | 12.706 | 0.20602 | 12.093 | 12.407 | 12.691 | 0.22281 | -0.582 | -0.1128 | 0.341 | 0.33027 |
| 100 | 12.258 | 12.523 | 12.709 | 0.18926 | 12.279 | 12.396 | 12.565 | 0.11131 | -0.399 | -0.12725 | 0.103 | 0.17497 |

# Device Test: 5.162 tdly_Res1p18M_EN1_SU/EN1/7/14/1.18M/0/0/@DLY_TMR_1MOHM



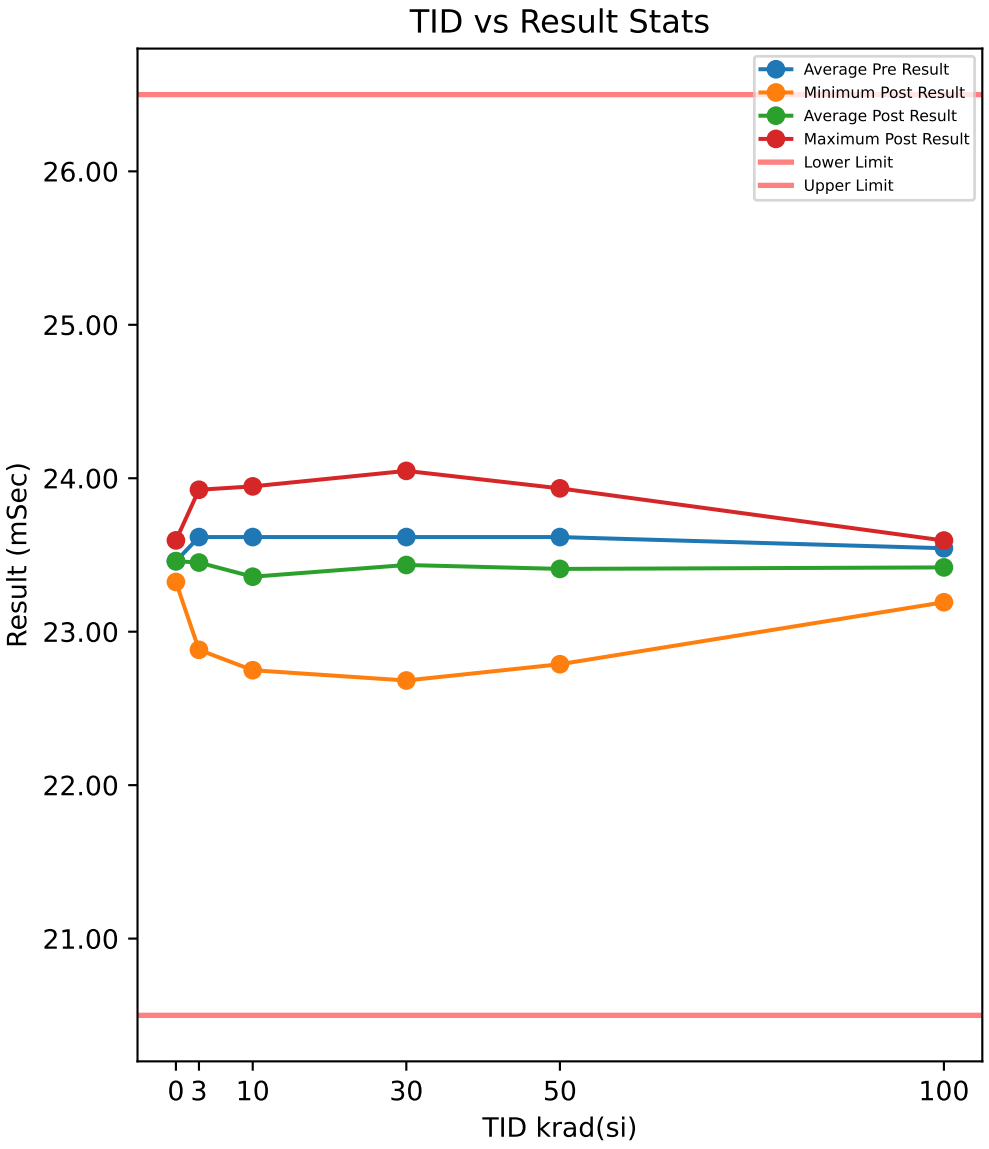

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

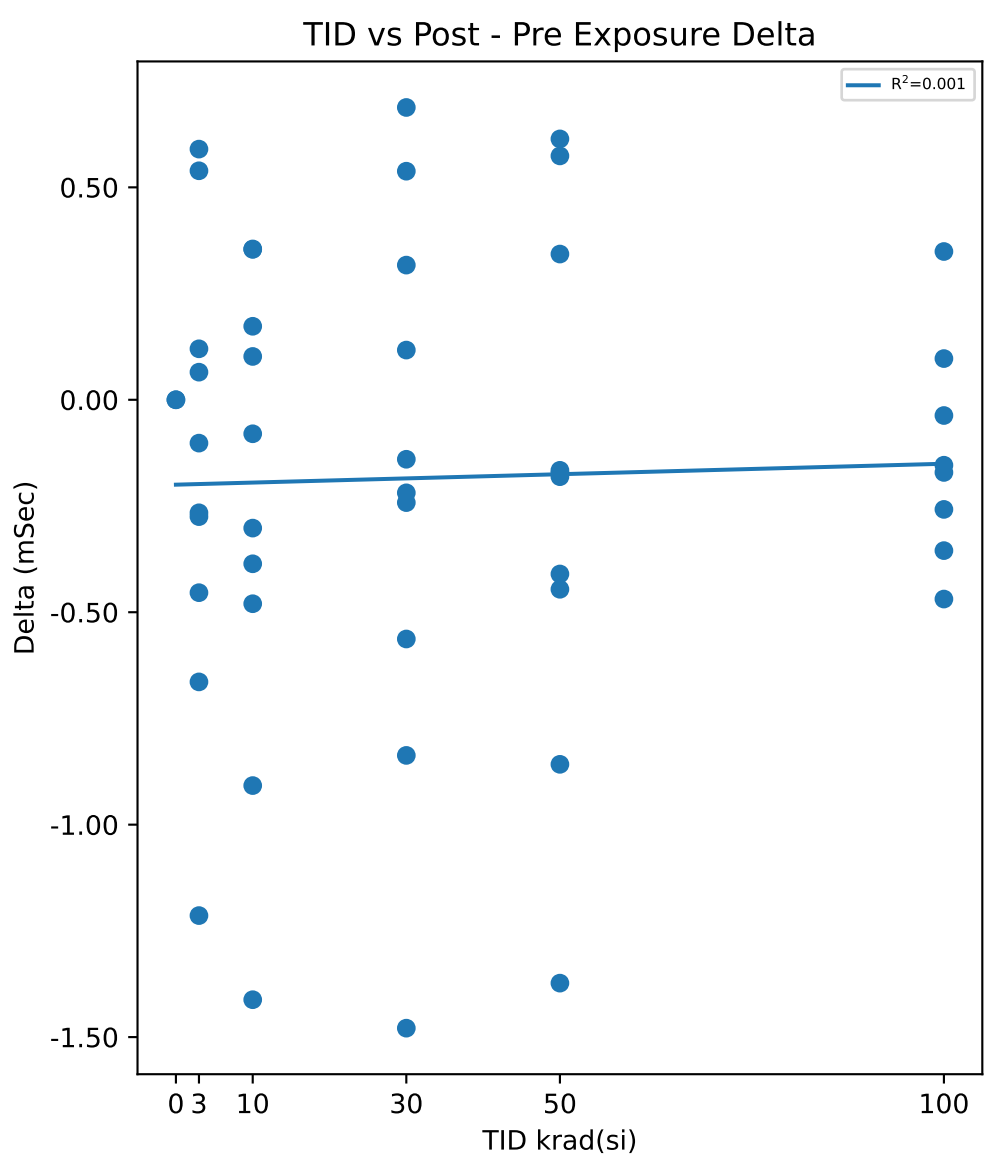
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.323 | 23.323 | 0 |
| 7 | 0 | Correlation | 23.342 | 23.342 | 0 |
| 16 | 3 | LDR-Biased | 23.864 | 22.972 | -0.892 |
| 18 | 3 | LDR-Biased | 23.729 | 23.89 | 0.161 |
| 19 | 3 | LDR-Biased | 24.019 | 23.482 | -0.537 |
| 20 | 3 | LDR-Biased | 23.425 | 22.922 | -0.503 |
| 21 | 3 | LDR-Biased | 22.91 | 23.212 | 0.302 |
| 22 | 3 | LDR-Unbiased | 23.119 | 23.439 | 0.32 |
| 23 | 3 | LDR-Unbiased | 24.068 | 23.717 | -0.351 |
| 25 | 3 | LDR-Unbiased | 23.907 | 23.023 | -0.884 |
| 26 | 3 | LDR-Unbiased | 23.33 | 23.181 | -0.149 |
| 27 | 3 | LDR-Unbiased | 23.409 | 23.947 | 0.538 |
| 46 | 10 | LDR-Biased | 23.864 | 22.93 | -0.934 |
| 48 | 10 | LDR-Biased | 23.729 | 23.926 | 0.197 |
| 49 | 10 | LDR-Biased | 24.019 | 23.442 | -0.577 |
| 50 | 10 | LDR-Biased | 23.425 | 23.005 | -0.42 |
| 51 | 10 | LDR-Biased | 22.91 | 23.043 | 0.133 |
| 52 | 10 | LDR-Unbiased | 23.119 | 23.405 | 0.286 |
| 53 | 10 | LDR-Unbiased | 24.068 | 23.972 | -0.096 |
| 55 | 10 | LDR-Unbiased | 23.907 | 22.729 | -1.178 |
| 56 | 10 | LDR-Unbiased | 23.33 | 22.937 | -0.393 |
| 57 | 10 | LDR-Unbiased | 23.409 | 23.928 | 0.519 |
| 76 | 30 | LDR-Biased | 23.864 | 23.218 | -0.646 |
| 78 | 30 | LDR-Biased | 23.729 | 23.665 | -0.064 |
| 79 | 30 | LDR-Biased | 24.019 | 23.346 | -0.673 |
| 80 | 30 | LDR-Biased | 23.425 | 22.931 | -0.494 |
| 81 | 30 | LDR-Biased | 22.91 | 23.527 | 0.617 |
| 82 | 30 | LDR-Unbiased | 23.119 | 23.416 | 0.297 |
| 83 | 30 | LDR-Unbiased | 24.068 | 23.81 | -0.258 |
| 84 | 30 | LDR-Unbiased | 23.409 | 24.06 | 0.651 |
| 85 | 30 | LDR-Unbiased | 23.907 | 22.925 | -0.982 |
| 86 | 30 | LDR-Unbiased | 23.33 | 22.996 | -0.334 |
| 87 | 100 | LDR-Biased | 23.129 | 23.42 | 0.291 |
| 88 | 100 | LDR-Biased | 23.632 | 23.343 | -0.289 |
| 90 | 100 | LDR-Biased | 23.538 | 23.323 | -0.215 |
| 91 | 100 | LDR-Unbiased | 22.917 | 23.184 | 0.267 |
| 93 | 100 | LDR-Unbiased | 23.173 | 23.24 | 0.067 |
| 94 | 100 | LDR-Unbiased | 23.837 | 23.407 | -0.43 |
| 95 | 100 | LDR-Unbiased | 23.841 | 23.527 | -0.314 |
| 96 | 100 | LDR-Unbiased | 23.42 | 23.18 | -0.24 |
| 106 | 50 | LDR-Biased | 23.864 | 22.975 | -0.889 |
| 108 | 50 | LDR-Biased | 23.729 | 23.554 | -0.175 |
| 109 | 50 | LDR-Biased | 24.019 | 23.563 | -0.456 |
| 110 | 50 | LDR-Biased | 23.425 | 23.281 | -0.144 |
| 111 | 50 | LDR-Biased | 22.91 | 23.527 | 0.617 |
| 112 | 50 | LDR-Unbiased | 23.119 | 23.494 | 0.375 |
| 113 | 50 | LDR-Unbiased | 24.068 | 23.59 | -0.478 |
| 115 | 50 | LDR-Unbiased | 23.907 | 22.562 | -1.345 |
| 116 | 50 | LDR-Unbiased | 23.33 | 22.936 | -0.394 |
| 117 | 50 | LDR-Unbiased | 23.409 | 23.955 | 0.546 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.323 | 23.332 | 23.342 | 0.013435 | 23.323 | 23.332 | 23.342 | 0.013435 | 0 | 0 | 0 | 0 |
| 3 | 22.91 | 23.578 | 24.068 | 0.3969 | 22.922 | 23.378 | 23.947 | 0.3772 | -0.892 | -0.1995 | 0.538 | 0.51369 |
| 10 | 22.91 | 23.578 | 24.068 | 0.3969 | 22.729 | 23.332 | 23.972 | 0.4722 | -1.178 | -0.2463 | 0.519 | 0.55117 |
| 30 | 22.91 | 23.578 | 24.068 | 0.3969 | 22.925 | 23.389 | 24.06 | 0.385 | -0.982 | -0.1886 | 0.651 | 0.55756 |
| 50 | 22.91 | 23.578 | 24.068 | 0.3969 | 22.562 | 23.344 | 23.955 | 0.40825 | -1.345 | -0.2343 | 0.617 | 0.62475 |
| 100 | 22.917 | 23.436 | 23.841 | 0.33947 | 23.18 | 23.328 | 23.527 | 0.12244 | -0.43 | -0.10788 | 0.291 | 0.27728 |

# Device Test: 5.163 tdly_Res1p18M_EN2_SU/EN2/7/14/1.18M/0/0/@DLY_TMR_1MOHM



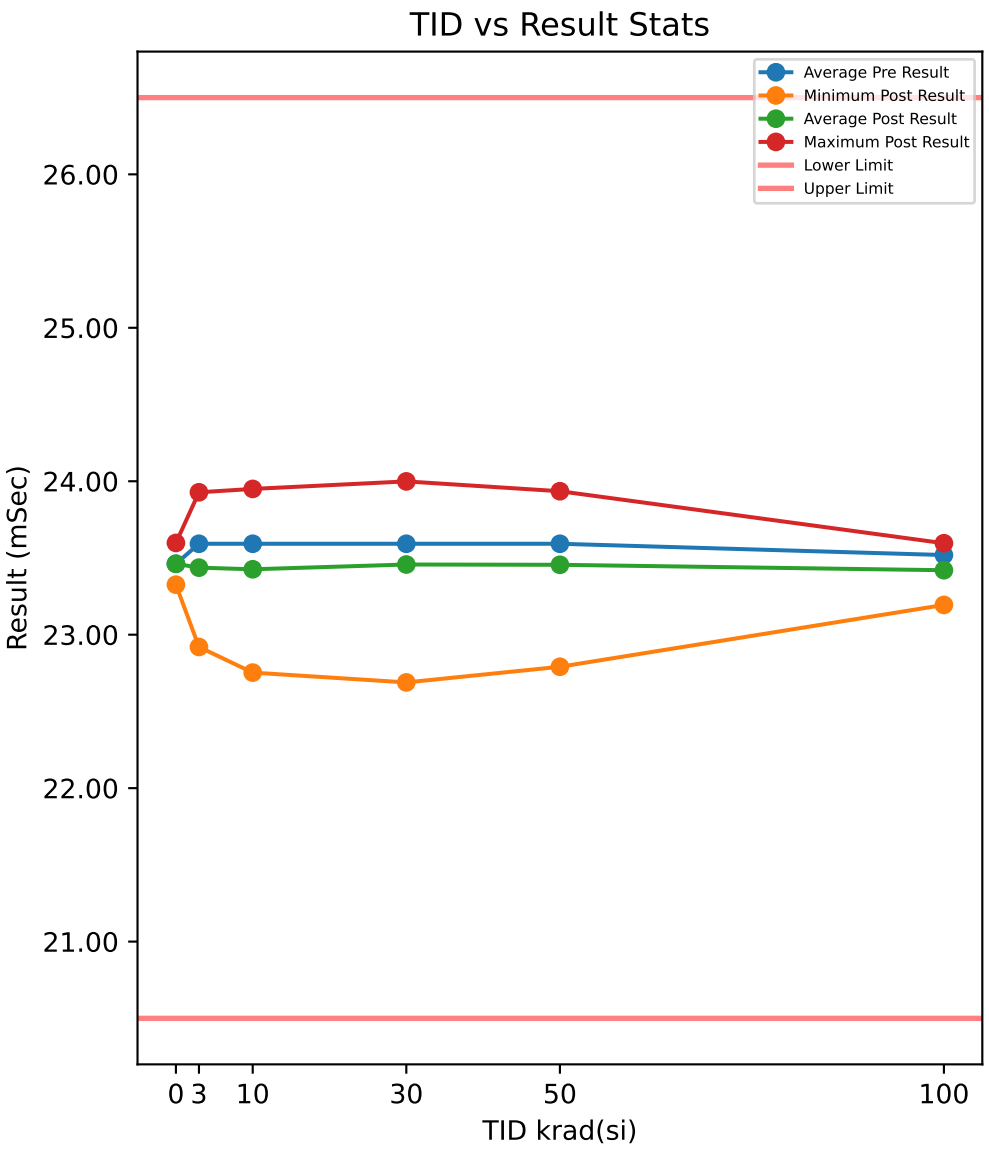

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

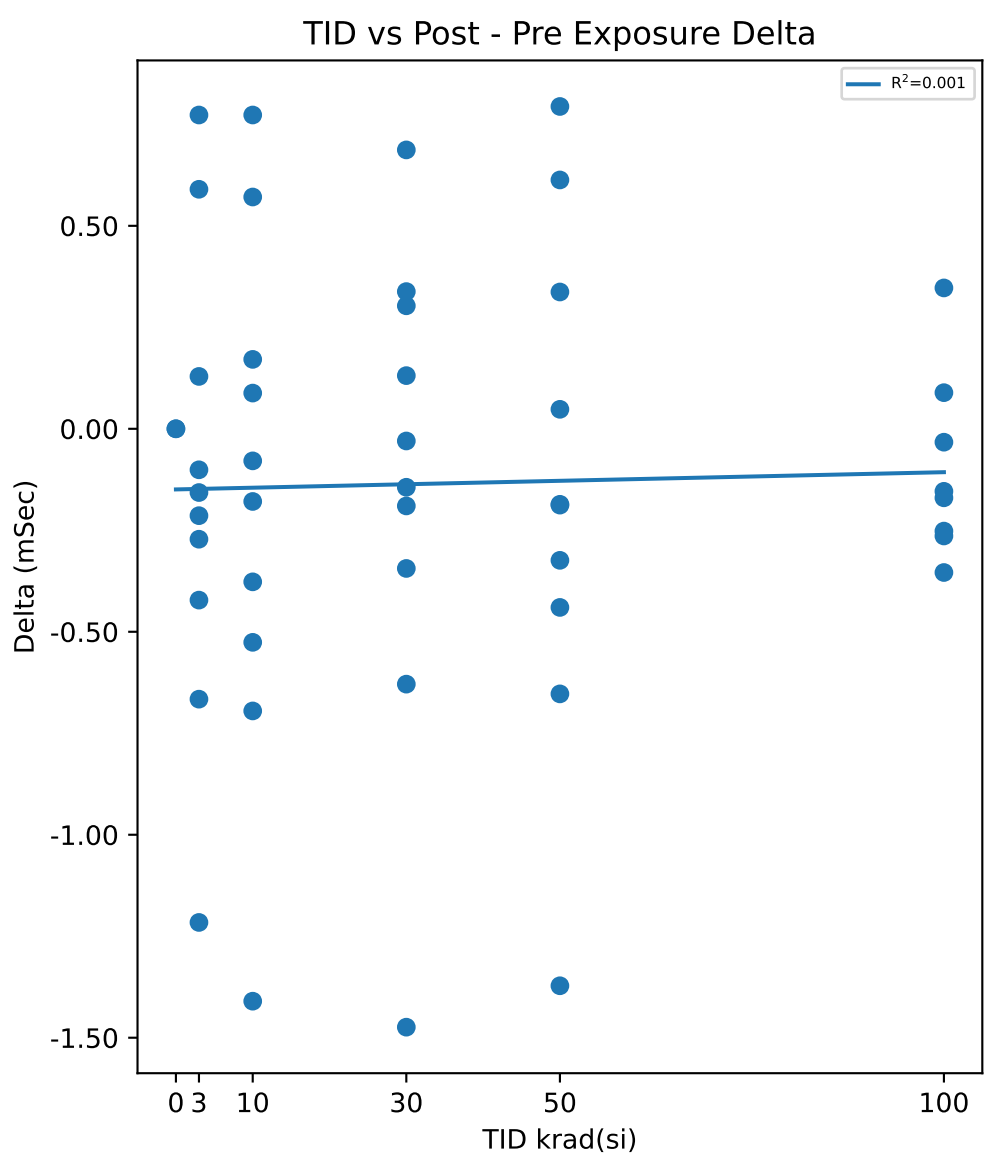
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.595 | 23.595 | 0 |
| 7 | 0 | Correlation | 23.324 | 23.324 | 0 |
| 16 | 3 | LDR-Biased | 23.851 | 23.187 | -0.664 |
| 18 | 3 | LDR-Biased | 23.745 | 23.865 | 0.12 |
| 19 | 3 | LDR-Biased | 23.971 | 23.696 | -0.275 |
| 20 | 3 | LDR-Biased | 23.438 | 23.172 | -0.266 |
| 21 | 3 | LDR-Biased | 23.147 | 23.212 | 0.065 |
| 22 | 3 | LDR-Unbiased | 23.131 | 23.721 | 0.59 |
| 23 | 3 | LDR-Unbiased | 24.027 | 23.925 | -0.102 |
| 25 | 3 | LDR-Unbiased | 24.161 | 22.947 | -1.214 |
| 26 | 3 | LDR-Unbiased | 23.336 | 22.882 | -0.454 |
| 27 | 3 | LDR-Unbiased | 23.36 | 23.899 | 0.539 |
| 46 | 10 | LDR-Biased | 23.851 | 22.943 | -0.908 |
| 48 | 10 | LDR-Biased | 23.745 | 23.918 | 0.173 |
| 49 | 10 | LDR-Biased | 23.971 | 23.669 | -0.302 |
| 50 | 10 | LDR-Biased | 23.438 | 22.958 | -0.48 |
| 51 | 10 | LDR-Biased | 23.147 | 23.249 | 0.102 |
| 52 | 10 | LDR-Unbiased | 23.131 | 23.486 | 0.355 |
| 53 | 10 | LDR-Unbiased | 24.027 | 23.947 | -0.08 |
| 55 | 10 | LDR-Unbiased | 24.161 | 22.749 | -1.412 |
| 56 | 10 | LDR-Unbiased | 23.336 | 22.95 | -0.386 |
| 57 | 10 | LDR-Unbiased | 23.36 | 23.714 | 0.354 |
| 76 | 30 | LDR-Biased | 23.851 | 23.014 | -0.837 |
| 78 | 30 | LDR-Biased | 23.745 | 23.862 | 0.117 |
| 79 | 30 | LDR-Biased | 23.971 | 23.408 | -0.563 |
| 80 | 30 | LDR-Biased | 23.438 | 23.196 | -0.242 |
| 81 | 30 | LDR-Biased | 23.147 | 23.464 | 0.317 |
| 82 | 30 | LDR-Unbiased | 23.131 | 23.669 | 0.538 |
| 83 | 30 | LDR-Unbiased | 24.027 | 23.808 | -0.219 |
| 84 | 30 | LDR-Unbiased | 23.36 | 24.048 | 0.688 |
| 85 | 30 | LDR-Unbiased | 24.161 | 22.682 | -1.479 |
| 86 | 30 | LDR-Unbiased | 23.336 | 23.196 | -0.14 |
| 87 | 100 | LDR-Biased | 23.41 | 23.373 | -0.037 |
| 88 | 100 | LDR-Biased | 23.852 | 23.594 | -0.258 |
| 90 | 100 | LDR-Biased | 23.748 | 23.594 | -0.154 |
| 91 | 100 | LDR-Unbiased | 23.128 | 23.477 | 0.349 |
| 93 | 100 | LDR-Unbiased | 23.158 | 23.255 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.856 | 23.387 | -0.469 |
| 95 | 100 | LDR-Unbiased | 23.835 | 23.48 | -0.355 |
| 96 | 100 | LDR-Unbiased | 23.363 | 23.192 | -0.171 |
| 106 | 50 | LDR-Biased | 23.851 | 22.993 | -0.858 |
| 108 | 50 | LDR-Biased | 23.745 | 23.573 | -0.172 |
| 109 | 50 | LDR-Biased | 23.971 | 23.525 | -0.446 |
| 110 | 50 | LDR-Biased | 23.438 | 23.272 | -0.166 |
| 111 | 50 | LDR-Biased | 23.147 | 23.49 | 0.343 |
| 112 | 50 | LDR-Unbiased | 23.131 | 23.745 | 0.614 |
| 113 | 50 | LDR-Unbiased | 24.027 | 23.617 | -0.41 |
| 115 | 50 | LDR-Unbiased | 24.161 | 22.788 | -1.373 |
| 116 | 50 | LDR-Unbiased | 23.336 | 23.155 | -0.181 |
| 117 | 50 | LDR-Unbiased | 23.36 | 23.934 | 0.574 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.324 | 23.459 | 23.595 | 0.19163 | 23.324 | 23.459 | 23.595 | 0.19163 | 0 | 0 | 0 | 0 |
| 3 | 23.131 | 23.617 | 24.161 | 0.37927 | 22.882 | 23.451 | 23.925 | 0.4099 | -1.214 | -0.1661 | 0.59 | 0.54354 |
| 10 | 23.131 | 23.617 | 24.161 | 0.37927 | 22.749 | 23.358 | 23.947 | 0.44495 | -1.412 | -0.2584 | 0.355 | 0.56952 |
| 30 | 23.131 | 23.617 | 24.161 | 0.37927 | 22.682 | 23.435 | 24.048 | 0.42322 | -1.479 | -0.182 | 0.688 | 0.65632 |
| 50 | 23.131 | 23.617 | 24.161 | 0.37927 | 22.788 | 23.409 | 23.934 | 0.35287 | -1.373 | -0.2075 | 0.614 | 0.62109 |
| 100 | 23.128 | 23.544 | 23.856 | 0.31425 | 23.192 | 23.419 | 23.594 | 0.14634 | -0.469 | -0.12475 | 0.349 | 0.26011 |

# Device Test: 5.164 tdly_Res1p18M_EN3_SU/EN3/7/14/1.18M/0/0/@DLY_TMR_1MOHM



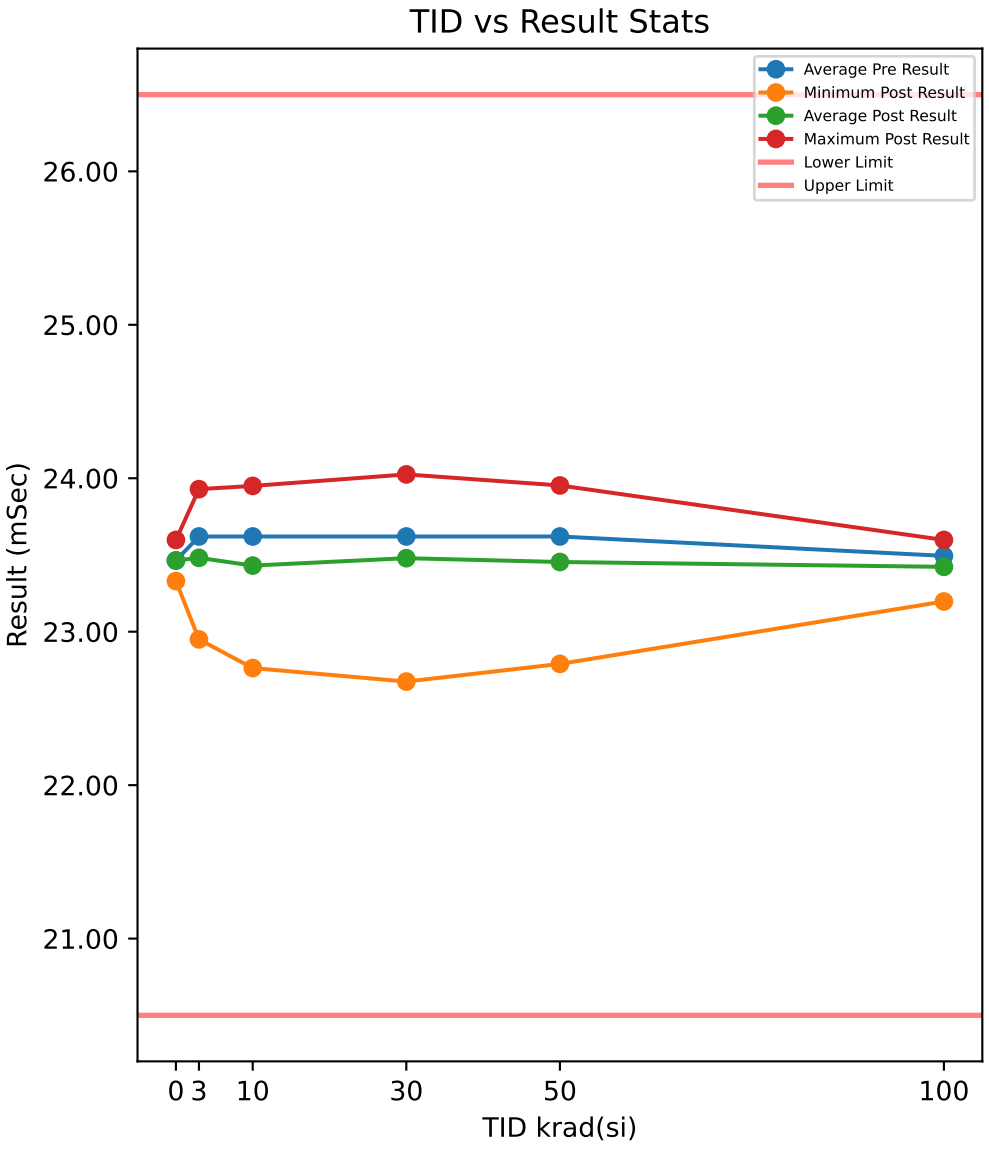

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

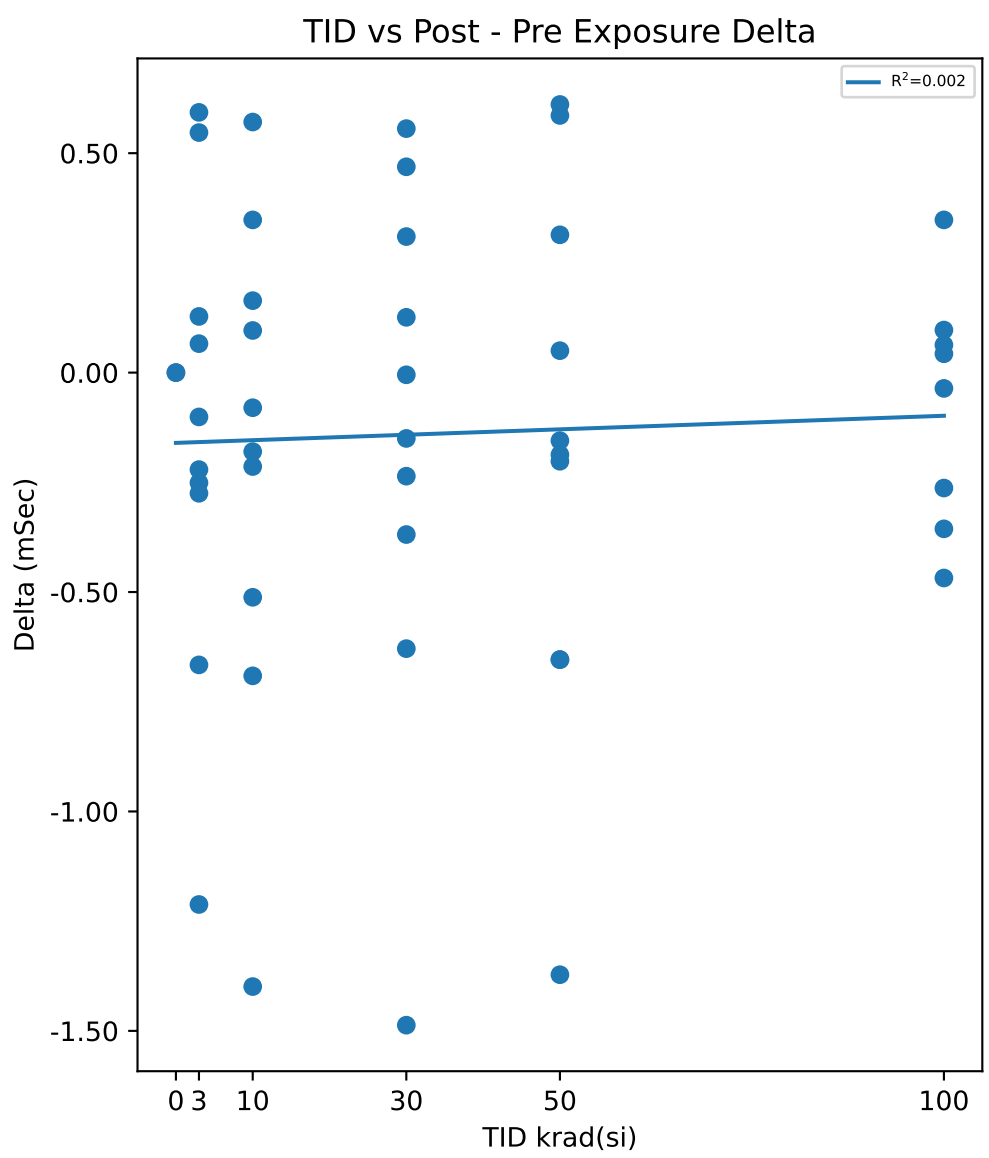
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.598 | 23.598 | 0 |
| 7 | 0 | Correlation | 23.326 | 23.326 | 0 |
| 16 | 3 | LDR-Biased | 23.855 | 23.189 | -0.666 |
| 18 | 3 | LDR-Biased | 23.748 | 23.877 | 0.129 |
| 19 | 3 | LDR-Biased | 23.972 | 23.7 | -0.272 |
| 20 | 3 | LDR-Biased | 23.389 | 23.175 | -0.214 |
| 21 | 3 | LDR-Biased | 23.155 | 22.998 | -0.157 |
| 22 | 3 | LDR-Unbiased | 23.132 | 23.722 | 0.59 |
| 23 | 3 | LDR-Unbiased | 24.029 | 23.928 | -0.101 |
| 25 | 3 | LDR-Unbiased | 24.163 | 22.947 | -1.216 |
| 26 | 3 | LDR-Unbiased | 23.342 | 22.92 | -0.422 |
| 27 | 3 | LDR-Unbiased | 23.141 | 23.914 | 0.773 |
| 46 | 10 | LDR-Biased | 23.855 | 23.16 | -0.695 |
| 48 | 10 | LDR-Biased | 23.748 | 23.919 | 0.171 |
| 49 | 10 | LDR-Biased | 23.972 | 23.446 | -0.526 |
| 50 | 10 | LDR-Biased | 23.389 | 23.012 | -0.377 |
| 51 | 10 | LDR-Biased | 23.155 | 23.243 | 0.088 |
| 52 | 10 | LDR-Unbiased | 23.132 | 23.703 | 0.571 |
| 53 | 10 | LDR-Unbiased | 24.029 | 23.95 | -0.079 |
| 55 | 10 | LDR-Unbiased | 24.163 | 22.753 | -1.41 |
| 56 | 10 | LDR-Unbiased | 23.342 | 23.163 | -0.179 |
| 57 | 10 | LDR-Unbiased | 23.141 | 23.914 | 0.773 |
| 76 | 30 | LDR-Biased | 23.855 | 23.226 | -0.629 |
| 78 | 30 | LDR-Biased | 23.748 | 23.879 | 0.131 |
| 79 | 30 | LDR-Biased | 23.972 | 23.628 | -0.344 |
| 80 | 30 | LDR-Biased | 23.389 | 23.199 | -0.19 |
| 81 | 30 | LDR-Biased | 23.155 | 23.458 | 0.303 |
| 82 | 30 | LDR-Unbiased | 23.132 | 23.47 | 0.338 |
| 83 | 30 | LDR-Unbiased | 24.029 | 23.999 | -0.03 |
| 84 | 30 | LDR-Unbiased | 23.141 | 23.828 | 0.687 |
| 85 | 30 | LDR-Unbiased | 24.163 | 22.689 | -1.474 |
| 86 | 30 | LDR-Unbiased | 23.342 | 23.198 | -0.144 |
| 87 | 100 | LDR-Biased | 23.41 | 23.377 | -0.033 |
| 88 | 100 | LDR-Biased | 23.859 | 23.595 | -0.264 |
| 90 | 100 | LDR-Biased | 23.75 | 23.596 | -0.154 |
| 91 | 100 | LDR-Unbiased | 23.133 | 23.48 | 0.347 |
| 93 | 100 | LDR-Unbiased | 23.158 | 23.247 | 0.089 |
| 94 | 100 | LDR-Unbiased | 23.642 | 23.39 | -0.252 |
| 95 | 100 | LDR-Unbiased | 23.837 | 23.483 | -0.354 |
| 96 | 100 | LDR-Unbiased | 23.364 | 23.194 | -0.17 |
| 106 | 50 | LDR-Biased | 23.855 | 23.202 | -0.653 |
| 108 | 50 | LDR-Biased | 23.748 | 23.796 | 0.048 |
| 109 | 50 | LDR-Biased | 23.972 | 23.532 | -0.44 |
| 110 | 50 | LDR-Biased | 23.389 | 23.065 | -0.324 |
| 111 | 50 | LDR-Biased | 23.155 | 23.492 | 0.337 |
| 112 | 50 | LDR-Unbiased | 23.132 | 23.745 | 0.613 |
| 113 | 50 | LDR-Unbiased | 24.029 | 23.841 | -0.188 |
| 115 | 50 | LDR-Unbiased | 24.163 | 22.791 | -1.372 |
| 116 | 50 | LDR-Unbiased | 23.342 | 23.156 | -0.186 |
| 117 | 50 | LDR-Unbiased | 23.141 | 23.935 | 0.794 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.326 | 23.462 | 23.598 | 0.19233 | 23.326 | 23.462 | 23.598 | 0.19233 | 0 | 0 | 0 | 0 |
| 3 | 23.132 | 23.593 | 24.163 | 0.4034 | 22.92 | 23.437 | 23.928 | 0.42725 | -1.216 | -0.1556 | 0.773 | 0.57495 |
| 10 | 23.132 | 23.593 | 24.163 | 0.4034 | 22.753 | 23.426 | 23.95 | 0.42565 | -1.41 | -0.1663 | 0.773 | 0.63353 |
| 30 | 23.132 | 23.593 | 24.163 | 0.4034 | 22.689 | 23.457 | 23.999 | 0.39661 | -1.474 | -0.1352 | 0.687 | 0.60155 |
| 50 | 23.132 | 23.593 | 24.163 | 0.4034 | 22.791 | 23.456 | 23.935 | 0.38492 | -1.372 | -0.1371 | 0.794 | 0.63346 |
| 100 | 23.133 | 23.519 | 23.859 | 0.29288 | 23.194 | 23.42 | 23.596 | 0.1478 | -0.354 | -0.098875 | 0.347 | 0.22751 |

# Device Test: 5.165 tdly_Res1p18M_EN4_SU/EN4/7/14/1.18M/0/0/@DLY_TMR_1MOHM



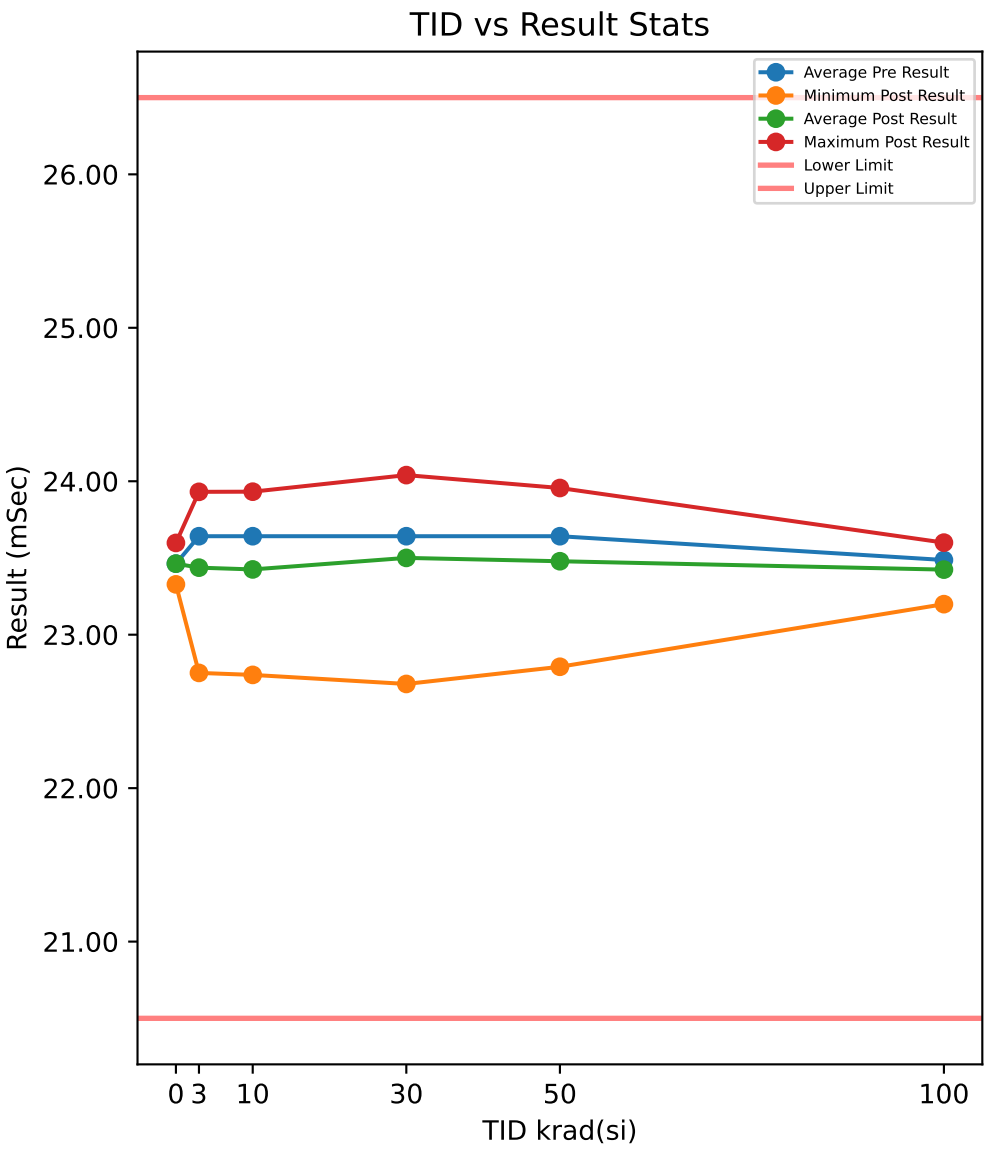

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

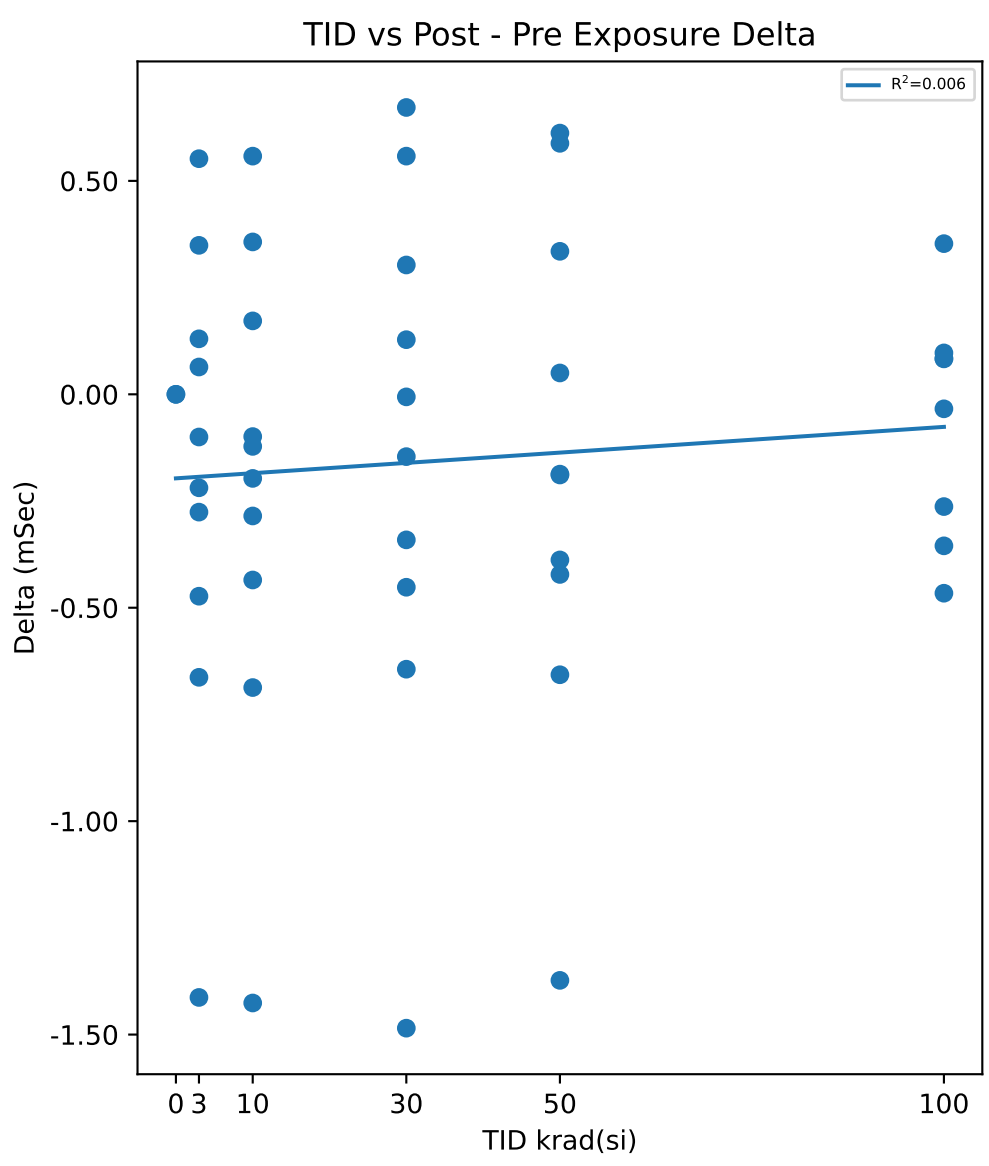
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.598 | 23.598 | 0 |
| 7 | 0 | Correlation | 23.33 | 23.33 | 0 |
| 16 | 3 | LDR-Biased | 23.856 | 23.19 | -0.666 |
| 18 | 3 | LDR-Biased | 23.75 | 23.878 | 0.128 |
| 19 | 3 | LDR-Biased | 23.975 | 23.7 | -0.275 |
| 20 | 3 | LDR-Biased | 23.431 | 23.18 | -0.251 |
| 21 | 3 | LDR-Biased | 23.157 | 23.223 | 0.066 |
| 22 | 3 | LDR-Unbiased | 23.134 | 23.727 | 0.593 |
| 23 | 3 | LDR-Unbiased | 24.03 | 23.929 | -0.101 |
| 25 | 3 | LDR-Unbiased | 24.162 | 22.95 | -1.212 |
| 26 | 3 | LDR-Unbiased | 23.343 | 23.122 | -0.221 |
| 27 | 3 | LDR-Unbiased | 23.367 | 23.914 | 0.547 |
| 46 | 10 | LDR-Biased | 23.856 | 23.165 | -0.691 |
| 48 | 10 | LDR-Biased | 23.75 | 23.914 | 0.164 |
| 49 | 10 | LDR-Biased | 23.975 | 23.463 | -0.512 |
| 50 | 10 | LDR-Biased | 23.431 | 23.217 | -0.214 |
| 51 | 10 | LDR-Biased | 23.157 | 23.253 | 0.096 |
| 52 | 10 | LDR-Unbiased | 23.134 | 23.705 | 0.571 |
| 53 | 10 | LDR-Unbiased | 24.03 | 23.95 | -0.08 |
| 55 | 10 | LDR-Unbiased | 24.162 | 22.763 | -1.399 |
| 56 | 10 | LDR-Unbiased | 23.343 | 23.163 | -0.18 |
| 57 | 10 | LDR-Unbiased | 23.367 | 23.715 | 0.348 |
| 76 | 30 | LDR-Biased | 23.856 | 23.227 | -0.629 |
| 78 | 30 | LDR-Biased | 23.75 | 23.876 | 0.126 |
| 79 | 30 | LDR-Biased | 23.975 | 23.606 | -0.369 |
| 80 | 30 | LDR-Biased | 23.431 | 23.195 | -0.236 |
| 81 | 30 | LDR-Biased | 23.157 | 23.467 | 0.31 |
| 82 | 30 | LDR-Unbiased | 23.134 | 23.69 | 0.556 |
| 83 | 30 | LDR-Unbiased | 24.03 | 24.025 | -0.005 |
| 84 | 30 | LDR-Unbiased | 23.367 | 23.836 | 0.469 |
| 85 | 30 | LDR-Unbiased | 24.162 | 22.675 | -1.487 |
| 86 | 30 | LDR-Unbiased | 23.343 | 23.193 | -0.15 |
| 87 | 100 | LDR-Biased | 23.414 | 23.378 | -0.036 |
| 88 | 100 | LDR-Biased | 23.86 | 23.597 | -0.263 |
| 90 | 100 | LDR-Biased | 23.535 | 23.598 | 0.063 |
| 91 | 100 | LDR-Unbiased | 23.134 | 23.482 | 0.348 |
| 93 | 100 | LDR-Unbiased | 23.159 | 23.256 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.857 | 23.389 | -0.468 |
| 95 | 100 | LDR-Unbiased | 23.84 | 23.484 | -0.356 |
| 96 | 100 | LDR-Unbiased | 23.154 | 23.197 | 0.043 |
| 106 | 50 | LDR-Biased | 23.856 | 23.202 | -0.654 |
| 108 | 50 | LDR-Biased | 23.75 | 23.8 | 0.05 |
| 109 | 50 | LDR-Biased | 23.975 | 23.321 | -0.654 |
| 110 | 50 | LDR-Biased | 23.431 | 23.276 | -0.155 |
| 111 | 50 | LDR-Biased | 23.157 | 23.471 | 0.314 |
| 112 | 50 | LDR-Unbiased | 23.134 | 23.745 | 0.611 |
| 113 | 50 | LDR-Unbiased | 24.03 | 23.843 | -0.187 |
| 115 | 50 | LDR-Unbiased | 24.162 | 22.79 | -1.372 |
| 116 | 50 | LDR-Unbiased | 23.343 | 23.141 | -0.202 |
| 117 | 50 | LDR-Unbiased | 23.367 | 23.953 | 0.586 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.33 | 23.464 | 23.598 | 0.1895 | 23.33 | 23.464 | 23.598 | 0.1895 | 0 | 0 | 0 | 0 |
| 3 | 23.134 | 23.62 | 24.162 | 0.37823 | 22.95 | 23.481 | 23.929 | 0.38108 | -1.212 | -0.1392 | 0.593 | 0.53624 |
| 10 | 23.134 | 23.62 | 24.162 | 0.37823 | 22.763 | 23.431 | 23.95 | 0.3838 | -1.399 | -0.1897 | 0.571 | 0.56812 |
| 30 | 23.134 | 23.62 | 24.162 | 0.37823 | 22.675 | 23.479 | 24.025 | 0.41047 | -1.487 | -0.1415 | 0.556 | 0.60204 |
| 50 | 23.134 | 23.62 | 24.162 | 0.37823 | 22.79 | 23.454 | 23.953 | 0.37368 | -1.372 | -0.1663 | 0.611 | 0.61272 |
| 100 | 23.134 | 23.494 | 23.86 | 0.32753 | 23.197 | 23.423 | 23.598 | 0.14651 | -0.468 | -0.0715 | 0.348 | 0.27036 |

# Device Test: 5.166 tdly_Res1p18M_SEQ_SU/SEQ_DONE/7/14/1.18M/0/0/@DLY_TMR_1MOHM



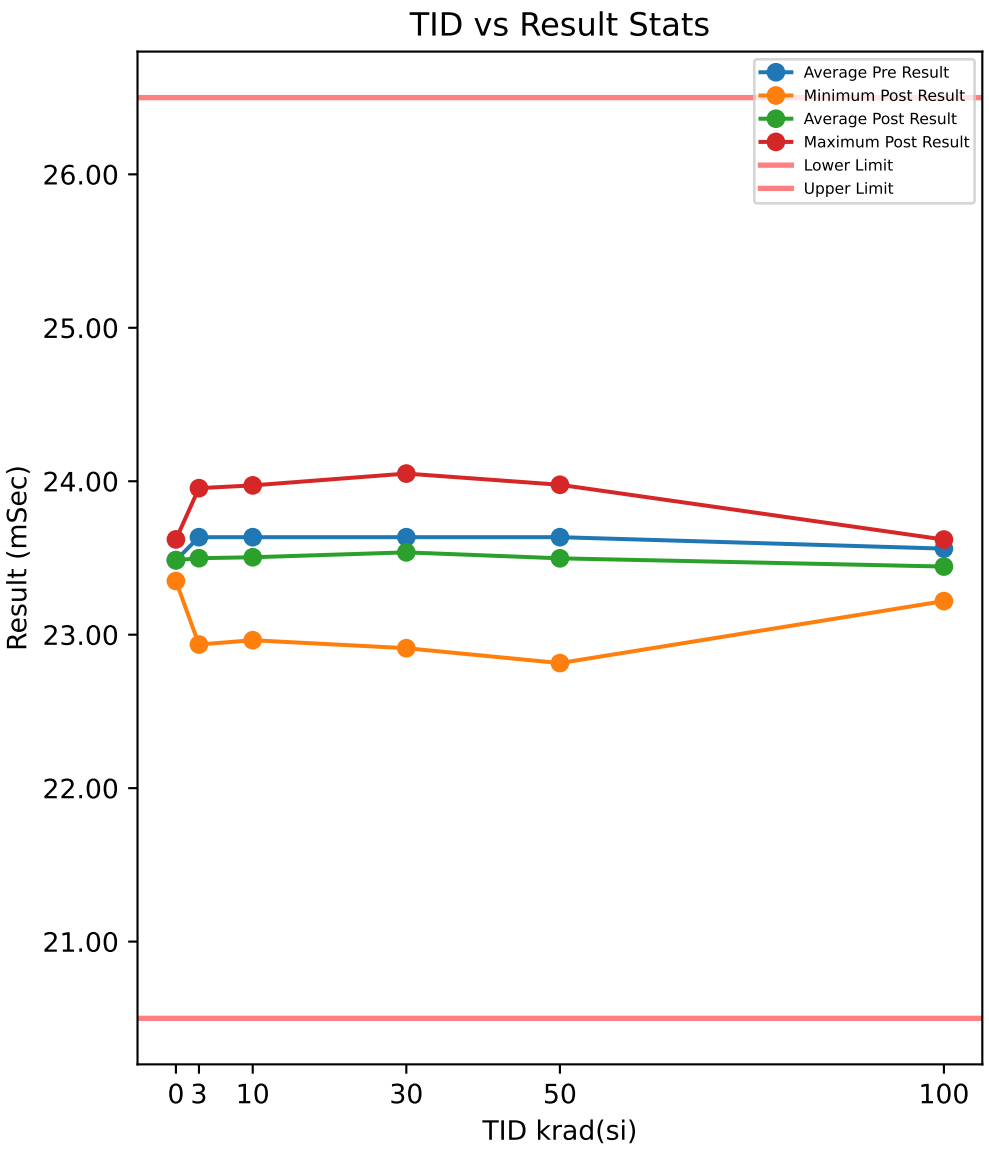

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

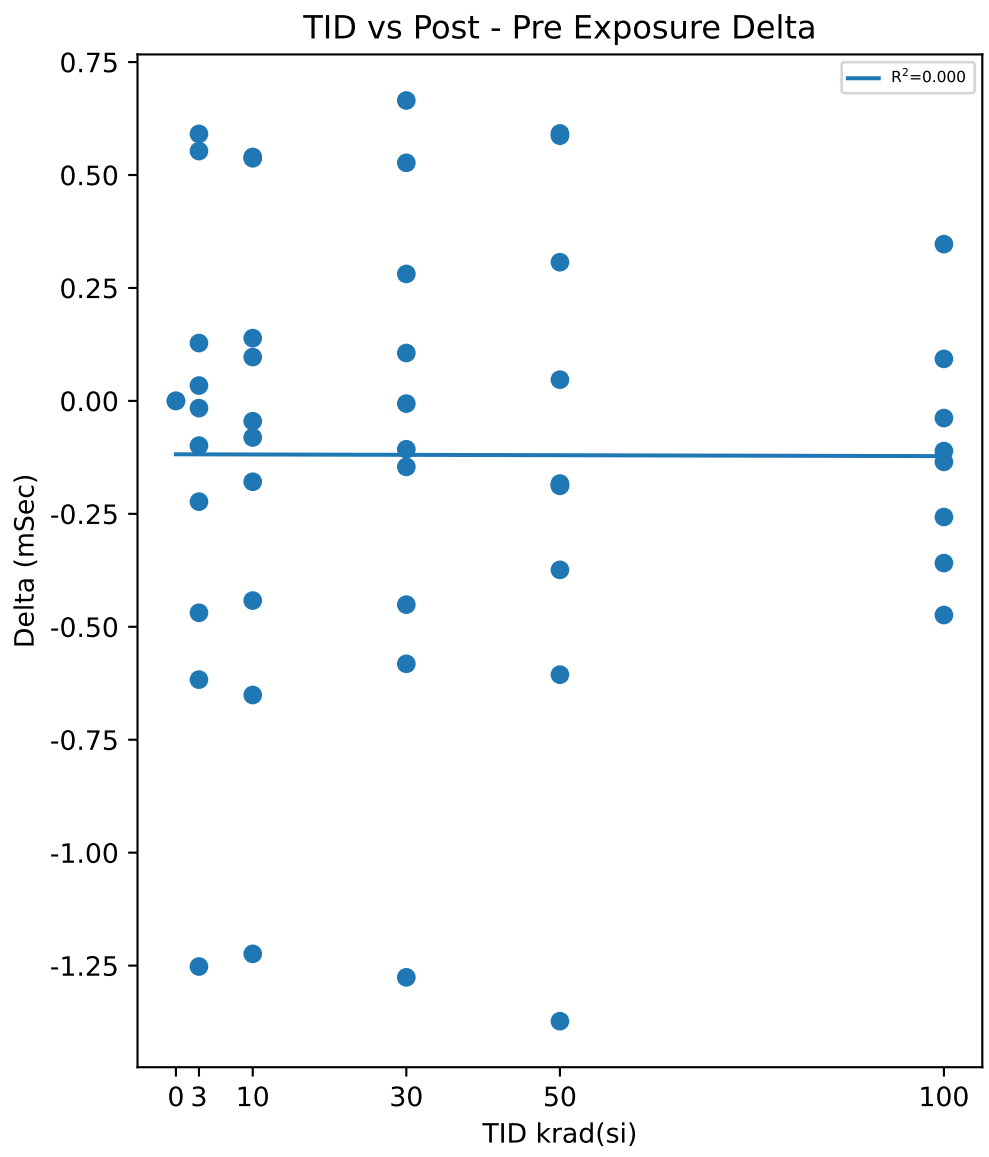
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.598 | 23.598 | 0 |
| 7 | 0 | Correlation | 23.328 | 23.328 | 0 |
| 16 | 3 | LDR-Biased | 23.854 | 23.191 | -0.663 |
| 18 | 3 | LDR-Biased | 23.749 | 23.879 | 0.13 |
| 19 | 3 | LDR-Biased | 23.962 | 23.686 | -0.276 |
| 20 | 3 | LDR-Biased | 23.651 | 23.178 | -0.473 |
| 21 | 3 | LDR-Biased | 23.158 | 23.222 | 0.064 |
| 22 | 3 | LDR-Unbiased | 23.135 | 23.484 | 0.349 |
| 23 | 3 | LDR-Unbiased | 24.031 | 23.931 | -0.1 |
| 25 | 3 | LDR-Unbiased | 24.164 | 22.751 | -1.413 |
| 26 | 3 | LDR-Unbiased | 23.346 | 23.127 | -0.219 |
| 27 | 3 | LDR-Unbiased | 23.368 | 23.92 | 0.552 |
| 46 | 10 | LDR-Biased | 23.854 | 23.167 | -0.687 |
| 48 | 10 | LDR-Biased | 23.749 | 23.921 | 0.172 |
| 49 | 10 | LDR-Biased | 23.962 | 23.677 | -0.285 |
| 50 | 10 | LDR-Biased | 23.651 | 23.216 | -0.435 |
| 51 | 10 | LDR-Biased | 23.158 | 23.036 | -0.122 |
| 52 | 10 | LDR-Unbiased | 23.135 | 23.492 | 0.357 |
| 53 | 10 | LDR-Unbiased | 24.031 | 23.932 | -0.099 |
| 55 | 10 | LDR-Unbiased | 24.164 | 22.738 | -1.426 |
| 56 | 10 | LDR-Unbiased | 23.346 | 23.149 | -0.197 |
| 57 | 10 | LDR-Unbiased | 23.368 | 23.926 | 0.558 |
| 76 | 30 | LDR-Biased | 23.854 | 23.21 | -0.644 |
| 78 | 30 | LDR-Biased | 23.749 | 23.877 | 0.128 |
| 79 | 30 | LDR-Biased | 23.962 | 23.621 | -0.341 |
| 80 | 30 | LDR-Biased | 23.651 | 23.199 | -0.452 |
| 81 | 30 | LDR-Biased | 23.158 | 23.461 | 0.303 |
| 82 | 30 | LDR-Unbiased | 23.135 | 23.693 | 0.558 |
| 83 | 30 | LDR-Unbiased | 24.031 | 24.025 | -0.006 |
| 84 | 30 | LDR-Unbiased | 23.368 | 24.04 | 0.672 |
| 85 | 30 | LDR-Unbiased | 24.164 | 22.679 | -1.485 |
| 86 | 30 | LDR-Unbiased | 23.346 | 23.2 | -0.146 |
| 87 | 100 | LDR-Biased | 23.413 | 23.379 | -0.034 |
| 88 | 100 | LDR-Biased | 23.86 | 23.597 | -0.263 |
| 90 | 100 | LDR-Biased | 23.516 | 23.6 | 0.084 |
| 91 | 100 | LDR-Unbiased | 23.131 | 23.484 | 0.353 |
| 93 | 100 | LDR-Unbiased | 23.16 | 23.257 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.858 | 23.392 | -0.466 |
| 95 | 100 | LDR-Unbiased | 23.84 | 23.485 | -0.355 |
| 96 | 100 | LDR-Unbiased | 23.116 | 23.199 | 0.083 |
| 106 | 50 | LDR-Biased | 23.854 | 23.197 | -0.657 |
| 108 | 50 | LDR-Biased | 23.749 | 23.799 | 0.05 |
| 109 | 50 | LDR-Biased | 23.962 | 23.54 | -0.422 |
| 110 | 50 | LDR-Biased | 23.651 | 23.263 | -0.388 |
| 111 | 50 | LDR-Biased | 23.158 | 23.493 | 0.335 |
| 112 | 50 | LDR-Unbiased | 23.135 | 23.747 | 0.612 |
| 113 | 50 | LDR-Unbiased | 24.031 | 23.842 | -0.189 |
| 115 | 50 | LDR-Unbiased | 24.164 | 22.791 | -1.373 |
| 116 | 50 | LDR-Unbiased | 23.346 | 23.159 | -0.187 |
| 117 | 50 | LDR-Unbiased | 23.368 | 23.956 | 0.588 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.328 | 23.463 | 23.598 | 0.19092 | 23.328 | 23.463 | 23.598 | 0.19092 | 0 | 0 | 0 | 0 |
| 3 | 23.135 | 23.642 | 24.164 | 0.37069 | 22.751 | 23.437 | 23.931 | 0.40516 | -1.413 | -0.2049 | 0.552 | 0.55993 |
| 10 | 23.135 | 23.642 | 24.164 | 0.37069 | 22.738 | 23.425 | 23.932 | 0.4258 | -1.426 | -0.2164 | 0.558 | 0.56169 |
| 30 | 23.135 | 23.642 | 24.164 | 0.37069 | 22.679 | 23.5 | 24.04 | 0.43481 | -1.485 | -0.1413 | 0.672 | 0.63538 |
| 50 | 23.135 | 23.642 | 24.164 | 0.37069 | 22.791 | 23.479 | 23.956 | 0.37109 | -1.373 | -0.1631 | 0.612 | 0.60416 |
| 100 | 23.116 | 23.487 | 23.86 | 0.3336 | 23.199 | 23.424 | 23.6 | 0.14628 | -0.466 | -0.062625 | 0.353 | 0.27519 |

# Device Test: 5.167 tdly_Res1p18M_PWRGD_SU/PWRGD/7/14/1.18M/0/0/@DLY_TMR_1MOHM



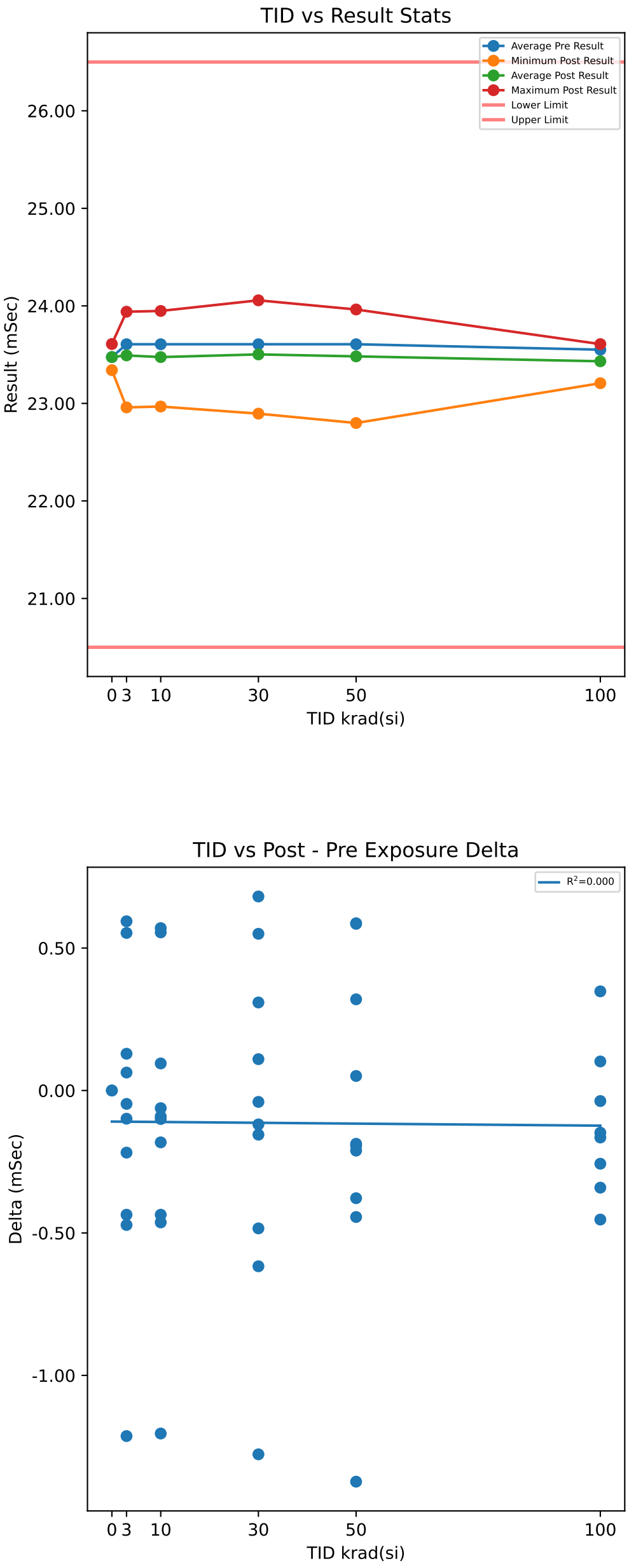

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.621 | 23.621 | 0 |
| 7 | 0 | Correlation | 23.35 | 23.35 | 0 |
| 16 | 3 | LDR-Biased | 23.834 | 23.217 | -0.617 |
| 18 | 3 | LDR-Biased | 23.773 | 23.901 | 0.128 |
| 19 | 3 | LDR-Biased | 23.741 | 23.725 | -0.016 |
| 20 | 3 | LDR-Biased | 23.673 | 23.204 | -0.469 |
| 21 | 3 | LDR-Biased | 23.18 | 23.214 | 0.034 |
| 22 | 3 | LDR-Unbiased | 23.16 | 23.751 | 0.591 |
| 23 | 3 | LDR-Unbiased | 24.054 | 23.955 | -0.099 |
| 25 | 3 | LDR-Unbiased | 24.188 | 22.936 | -1.252 |
| 26 | 3 | LDR-Unbiased | 23.367 | 23.144 | -0.223 |
| 27 | 3 | LDR-Unbiased | 23.385 | 23.938 | 0.553 |
| 46 | 10 | LDR-Biased | 23.834 | 23.183 | -0.651 |
| 48 | 10 | LDR-Biased | 23.773 | 23.912 | 0.139 |
| 49 | 10 | LDR-Biased | 23.741 | 23.696 | -0.045 |
| 50 | 10 | LDR-Biased | 23.673 | 23.231 | -0.442 |
| 51 | 10 | LDR-Biased | 23.18 | 23.277 | 0.097 |
| 52 | 10 | LDR-Unbiased | 23.16 | 23.7 | 0.54 |
| 53 | 10 | LDR-Unbiased | 24.054 | 23.973 | -0.081 |
| 55 | 10 | LDR-Unbiased | 24.188 | 22.964 | -1.224 |
| 56 | 10 | LDR-Unbiased | 23.367 | 23.188 | -0.179 |
| 57 | 10 | LDR-Unbiased | 23.385 | 23.922 | 0.537 |
| 76 | 30 | LDR-Biased | 23.834 | 23.252 | -0.582 |
| 78 | 30 | LDR-Biased | 23.773 | 23.879 | 0.106 |
| 79 | 30 | LDR-Biased | 23.741 | 23.634 | -0.107 |
| 80 | 30 | LDR-Biased | 23.673 | 23.222 | -0.451 |
| 81 | 30 | LDR-Biased | 23.18 | 23.461 | 0.281 |
| 82 | 30 | LDR-Unbiased | 23.16 | 23.687 | 0.527 |
| 83 | 30 | LDR-Unbiased | 24.054 | 24.048 | -0.006 |
| 84 | 30 | LDR-Unbiased | 23.385 | 24.05 | 0.665 |
| 85 | 30 | LDR-Unbiased | 24.188 | 22.912 | -1.276 |
| 86 | 30 | LDR-Unbiased | 23.367 | 23.221 | -0.146 |
| 87 | 100 | LDR-Biased | 23.438 | 23.4 | -0.038 |
| 88 | 100 | LDR-Biased | 23.877 | 23.62 | -0.257 |
| 90 | 100 | LDR-Biased | 23.731 | 23.62 | -0.111 |
| 91 | 100 | LDR-Unbiased | 23.157 | 23.504 | 0.347 |
| 93 | 100 | LDR-Unbiased | 23.184 | 23.277 | 0.093 |
| 94 | 100 | LDR-Unbiased | 23.882 | 23.408 | -0.474 |
| 95 | 100 | LDR-Unbiased | 23.864 | 23.505 | -0.359 |
| 96 | 100 | LDR-Unbiased | 23.354 | 23.219 | -0.135 |
| 106 | 50 | LDR-Biased | 23.834 | 23.228 | -0.606 |
| 108 | 50 | LDR-Biased | 23.773 | 23.82 | 0.047 |
| 109 | 50 | LDR-Biased | 23.741 | 23.558 | -0.183 |
| 110 | 50 | LDR-Biased | 23.673 | 23.299 | -0.374 |
| 111 | 50 | LDR-Biased | 23.18 | 23.487 | 0.307 |
| 112 | 50 | LDR-Unbiased | 23.16 | 23.747 | 0.587 |
| 113 | 50 | LDR-Unbiased | 24.054 | 23.866 | -0.188 |
| 115 | 50 | LDR-Unbiased | 24.188 | 22.815 | -1.373 |
| 116 | 50 | LDR-Unbiased | 23.367 | 23.18 | -0.187 |
| 117 | 50 | LDR-Unbiased | 23.385 | 23.977 | 0.592 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.35 | 23.486 | 23.621 | 0.19163 | 23.35 | 23.486 | 23.621 | 0.19163 | 0 | 0 | 0 | 0 |
| 3 | 23.16 | 23.636 | 24.188 | 0.35271 | 22.936 | 23.498 | 23.955 | 0.38982 | -1.252 | -0.137 | 0.591 | 0.54903 |
| 10 | 23.16 | 23.636 | 24.188 | 0.35271 | 22.964 | 23.505 | 23.973 | 0.37372 | -1.224 | -0.1309 | 0.54 | 0.537 |
| 30 | 23.16 | 23.636 | 24.188 | 0.35271 | 22.912 | 23.537 | 24.05 | 0.38728 | -1.276 | -0.0989 | 0.665 | 0.56916 |
| 50 | 23.16 | 23.636 | 24.188 | 0.35271 | 22.815 | 23.498 | 23.977 | 0.36733 | -1.373 | -0.1378 | 0.592 | 0.58667 |
| 100 | 23.157 | 23.561 | 23.882 | 0.31326 | 23.219 | 23.444 | 23.62 | 0.14688 | -0.474 | -0.11675 | 0.347 | 0.25956 |

# Device Test: 5.168 tdly_Res1p18M_EN1_SD/EN1/7/14/1.18M/0/0/@DLY_TMR_1MOHM







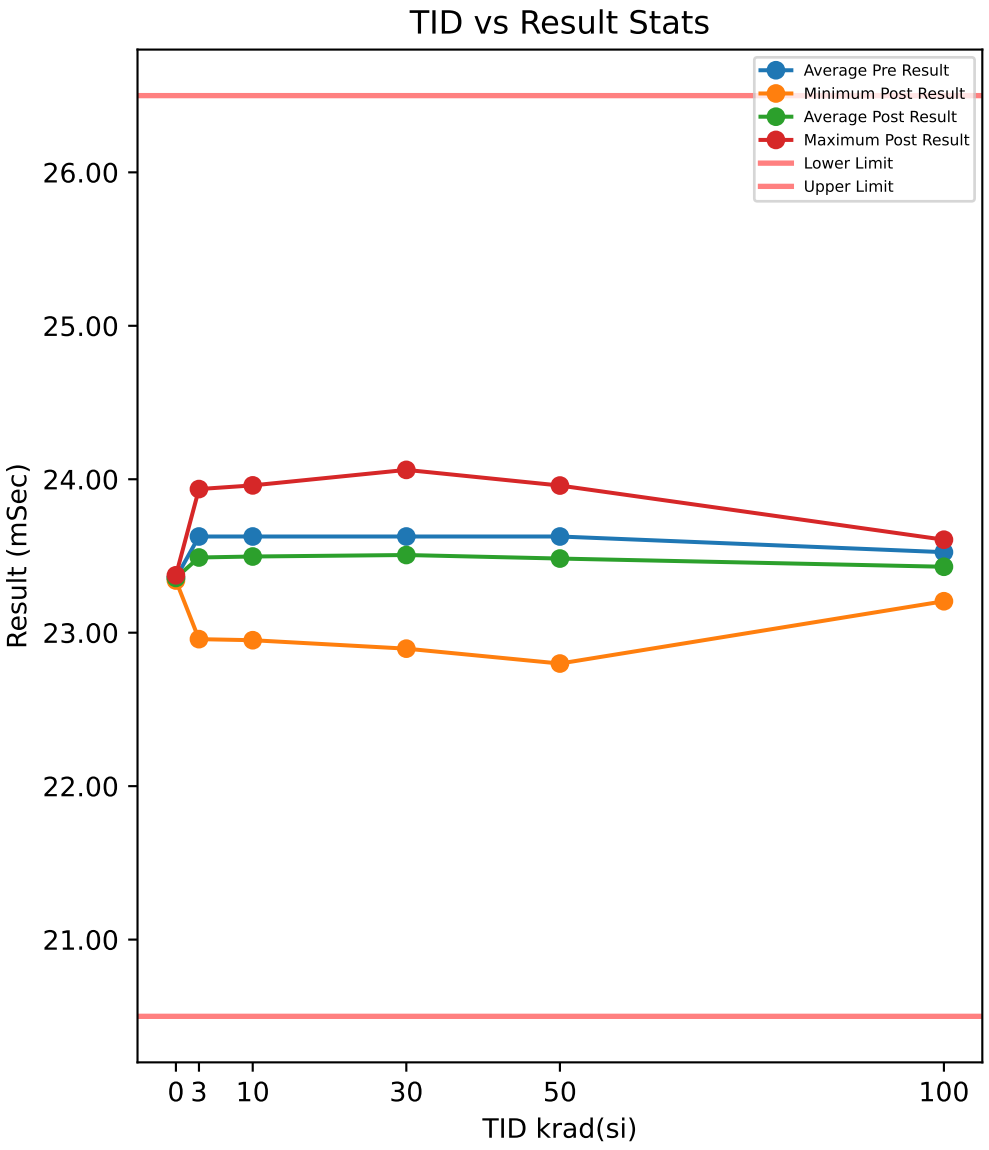
Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

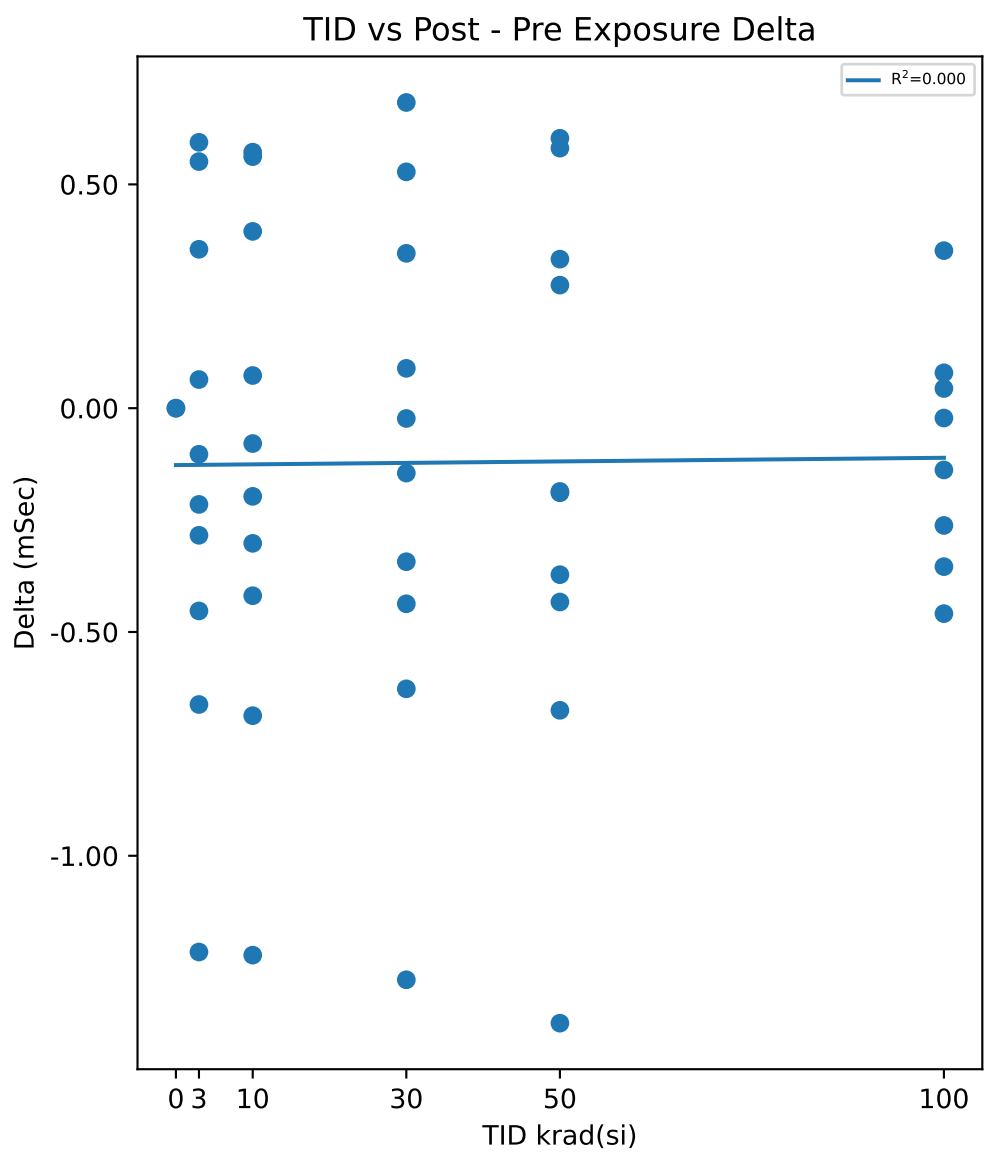
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.609 | 23.609 | 0 |
| 7 | 0 | Correlation | 23.341 | 23.341 | 0 |
| 16 | 3 | LDR-Biased | 23.638 | 23.202 | -0.436 |
| 18 | 3 | LDR-Biased | 23.757 | 23.886 | 0.129 |
| 19 | 3 | LDR-Biased | 23.757 | 23.71 | -0.047 |
| 20 | 3 | LDR-Biased | 23.662 | 23.19 | -0.472 |
| 21 | 3 | LDR-Biased | 23.166 | 23.229 | 0.063 |
| 22 | 3 | LDR-Unbiased | 23.144 | 23.738 | 0.594 |
| 23 | 3 | LDR-Unbiased | 24.039 | 23.94 | -0.099 |
| 25 | 3 | LDR-Unbiased | 24.172 | 22.959 | -1.213 |
| 26 | 3 | LDR-Unbiased | 23.356 | 23.138 | -0.218 |
| 27 | 3 | LDR-Unbiased | 23.376 | 23.929 | 0.553 |
| 46 | 10 | LDR-Biased | 23.638 | 23.175 | -0.463 |
| 48 | 10 | LDR-Biased | 23.757 | 23.695 | -0.062 |
| 49 | 10 | LDR-Biased | 23.757 | 23.657 | -0.1 |
| 50 | 10 | LDR-Biased | 23.662 | 23.226 | -0.436 |
| 51 | 10 | LDR-Biased | 23.166 | 23.261 | 0.095 |
| 52 | 10 | LDR-Unbiased | 23.144 | 23.714 | 0.57 |
| 53 | 10 | LDR-Unbiased | 24.039 | 23.948 | -0.091 |
| 55 | 10 | LDR-Unbiased | 24.172 | 22.968 | -1.204 |
| 56 | 10 | LDR-Unbiased | 23.356 | 23.174 | -0.182 |
| 57 | 10 | LDR-Unbiased | 23.376 | 23.931 | 0.555 |
| 76 | 30 | LDR-Biased | 23.638 | 23.021 | -0.617 |
| 78 | 30 | LDR-Biased | 23.757 | 23.867 | 0.11 |
| 79 | 30 | LDR-Biased | 23.757 | 23.638 | -0.119 |
| 80 | 30 | LDR-Biased | 23.662 | 23.178 | -0.484 |
| 81 | 30 | LDR-Biased | 23.166 | 23.475 | 0.309 |
| 82 | 30 | LDR-Unbiased | 23.144 | 23.694 | 0.55 |
| 83 | 30 | LDR-Unbiased | 24.039 | 23.999 | -0.04 |
| 84 | 30 | LDR-Unbiased | 23.376 | 24.057 | 0.681 |
| 85 | 30 | LDR-Unbiased | 24.172 | 22.895 | -1.277 |
| 86 | 30 | LDR-Unbiased | 23.356 | 23.201 | -0.155 |
| 87 | 100 | LDR-Biased | 23.422 | 23.385 | -0.037 |
| 88 | 100 | LDR-Biased | 23.863 | 23.606 | -0.257 |
| 90 | 100 | LDR-Biased | 23.756 | 23.608 | -0.148 |
| 91 | 100 | LDR-Unbiased | 23.144 | 23.492 | 0.348 |
| 93 | 100 | LDR-Unbiased | 23.161 | 23.263 | 0.102 |
| 94 | 100 | LDR-Unbiased | 23.854 | 23.401 | -0.453 |
| 95 | 100 | LDR-Unbiased | 23.835 | 23.494 | -0.341 |
| 96 | 100 | LDR-Unbiased | 23.372 | 23.207 | -0.165 |
| 106 | 50 | LDR-Biased | 23.638 | 23.194 | -0.444 |
| 108 | 50 | LDR-Biased | 23.757 | 23.808 | 0.051 |
| 109 | 50 | LDR-Biased | 23.757 | 23.546 | -0.211 |
| 110 | 50 | LDR-Biased | 23.662 | 23.284 | -0.378 |
| 111 | 50 | LDR-Biased | 23.166 | 23.486 | 0.32 |
| 112 | 50 | LDR-Unbiased | 23.144 | 23.729 | 0.585 |
| 113 | 50 | LDR-Unbiased | 24.039 | 23.852 | -0.187 |
| 115 | 50 | LDR-Unbiased | 24.172 | 22.799 | -1.373 |
| 116 | 50 | LDR-Unbiased | 23.356 | 23.162 | -0.194 |
| 117 | 50 | LDR-Unbiased | 23.376 | 23.963 | 0.587 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.341 | 23.475 | 23.609 | 0.1895 | 23.341 | 23.475 | 23.609 | 0.1895 | 0 | 0 | 0 | 0 |
| 3 | 23.144 | 23.607 | 24.172 | 0.34642 | 22.959 | 23.492 | 23.94 | 0.38135 | -1.213 | -0.1146 | 0.594 | 0.52617 |
| 10 | 23.144 | 23.607 | 24.172 | 0.34642 | 22.968 | 23.475 | 23.948 | 0.3521 | -1.204 | -0.1318 | 0.57 | 0.51398 |
| 30 | 23.144 | 23.607 | 24.172 | 0.34642 | 22.895 | 23.503 | 24.057 | 0.41362 | -1.277 | -0.1042 | 0.681 | 0.58221 |
| 50 | 23.144 | 23.607 | 24.172 | 0.34642 | 22.799 | 23.482 | 23.963 | 0.36979 | -1.373 | -0.1244 | 0.587 | 0.57536 |
| 100 | 23.144 | 23.551 | 23.863 | 0.31128 | 23.207 | 23.432 | 23.608 | 0.1469 | -0.453 | -0.11887 | 0.348 | 0.25537 |

# Device Test: 5.169 tdly_Res1p18M_EN2_SD/EN2/7/14/1.18M/0/0/@DLY_TMR_1MOHM



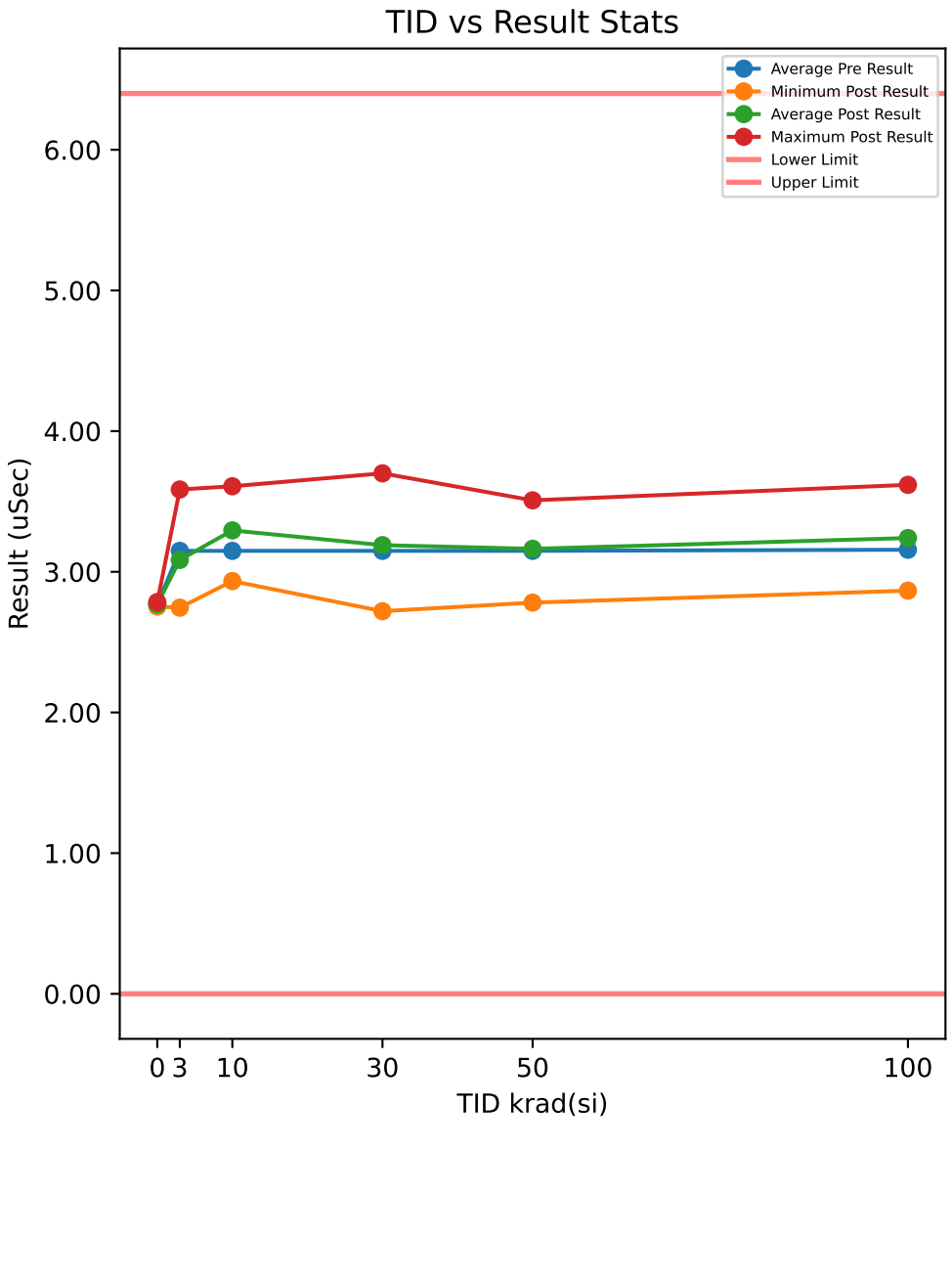

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.374 | 23.374 | 0 |
| 7 | 0 | Correlation | 23.34 | 23.34 | 0 |
| 16 | 3 | LDR-Biased | 23.862 | 23.2 | -0.662 |
| 18 | 3 | LDR-Biased | 23.532 | 23.887 | 0.355 |
| 19 | 3 | LDR-Biased | 23.98 | 23.696 | -0.284 |
| 20 | 3 | LDR-Biased | 23.643 | 23.19 | -0.453 |
| 21 | 3 | LDR-Biased | 23.167 | 23.231 | 0.064 |
| 22 | 3 | LDR-Unbiased | 23.143 | 23.737 | 0.594 |
| 23 | 3 | LDR-Unbiased | 24.039 | 23.936 | -0.103 |
| 25 | 3 | LDR-Unbiased | 24.173 | 22.958 | -1.215 |
| 26 | 3 | LDR-Unbiased | 23.352 | 23.137 | -0.215 |
| 27 | 3 | LDR-Unbiased | 23.378 | 23.929 | 0.551 |
| 46 | 10 | LDR-Biased | 23.862 | 23.175 | -0.687 |
| 48 | 10 | LDR-Biased | 23.532 | 23.927 | 0.395 |
| 49 | 10 | LDR-Biased | 23.98 | 23.678 | -0.302 |
| 50 | 10 | LDR-Biased | 23.643 | 23.224 | -0.419 |
| 51 | 10 | LDR-Biased | 23.167 | 23.24 | 0.073 |
| 52 | 10 | LDR-Unbiased | 23.143 | 23.715 | 0.572 |
| 53 | 10 | LDR-Unbiased | 24.039 | 23.96 | -0.079 |
| 55 | 10 | LDR-Unbiased | 24.173 | 22.951 | -1.222 |
| 56 | 10 | LDR-Unbiased | 23.352 | 23.155 | -0.197 |
| 57 | 10 | LDR-Unbiased | 23.378 | 23.94 | 0.562 |
| 76 | 30 | LDR-Biased | 23.862 | 23.235 | -0.627 |
| 78 | 30 | LDR-Biased | 23.532 | 23.878 | 0.346 |
| 79 | 30 | LDR-Biased | 23.98 | 23.637 | -0.343 |
| 80 | 30 | LDR-Biased | 23.643 | 23.206 | -0.437 |
| 81 | 30 | LDR-Biased | 23.167 | 23.256 | 0.089 |
| 82 | 30 | LDR-Unbiased | 23.143 | 23.671 | 0.528 |
| 83 | 30 | LDR-Unbiased | 24.039 | 24.016 | -0.023 |
| 84 | 30 | LDR-Unbiased | 23.378 | 24.061 | 0.683 |
| 85 | 30 | LDR-Unbiased | 24.173 | 22.896 | -1.277 |
| 86 | 30 | LDR-Unbiased | 23.352 | 23.207 | -0.145 |
| 87 | 100 | LDR-Biased | 23.409 | 23.387 | -0.022 |
| 88 | 100 | LDR-Biased | 23.867 | 23.605 | -0.262 |
| 90 | 100 | LDR-Biased | 23.744 | 23.606 | -0.138 |
| 91 | 100 | LDR-Unbiased | 23.14 | 23.492 | 0.352 |
| 93 | 100 | LDR-Unbiased | 23.169 | 23.248 | 0.079 |
| 94 | 100 | LDR-Unbiased | 23.86 | 23.401 | -0.459 |
| 95 | 100 | LDR-Unbiased | 23.848 | 23.494 | -0.354 |
| 96 | 100 | LDR-Unbiased | 23.161 | 23.205 | 0.044 |
| 106 | 50 | LDR-Biased | 23.862 | 23.187 | -0.675 |
| 108 | 50 | LDR-Biased | 23.532 | 23.807 | 0.275 |
| 109 | 50 | LDR-Biased | 23.98 | 23.547 | -0.433 |
| 110 | 50 | LDR-Biased | 23.643 | 23.271 | -0.372 |
| 111 | 50 | LDR-Biased | 23.167 | 23.5 | 0.333 |
| 112 | 50 | LDR-Unbiased | 23.143 | 23.746 | 0.603 |
| 113 | 50 | LDR-Unbiased | 24.039 | 23.85 | -0.189 |
| 115 | 50 | LDR-Unbiased | 24.173 | 22.799 | -1.374 |
| 116 | 50 | LDR-Unbiased | 23.352 | 23.166 | -0.186 |
| 117 | 50 | LDR-Unbiased | 23.378 | 23.959 | 0.581 |

## Test Statistics (mSec)

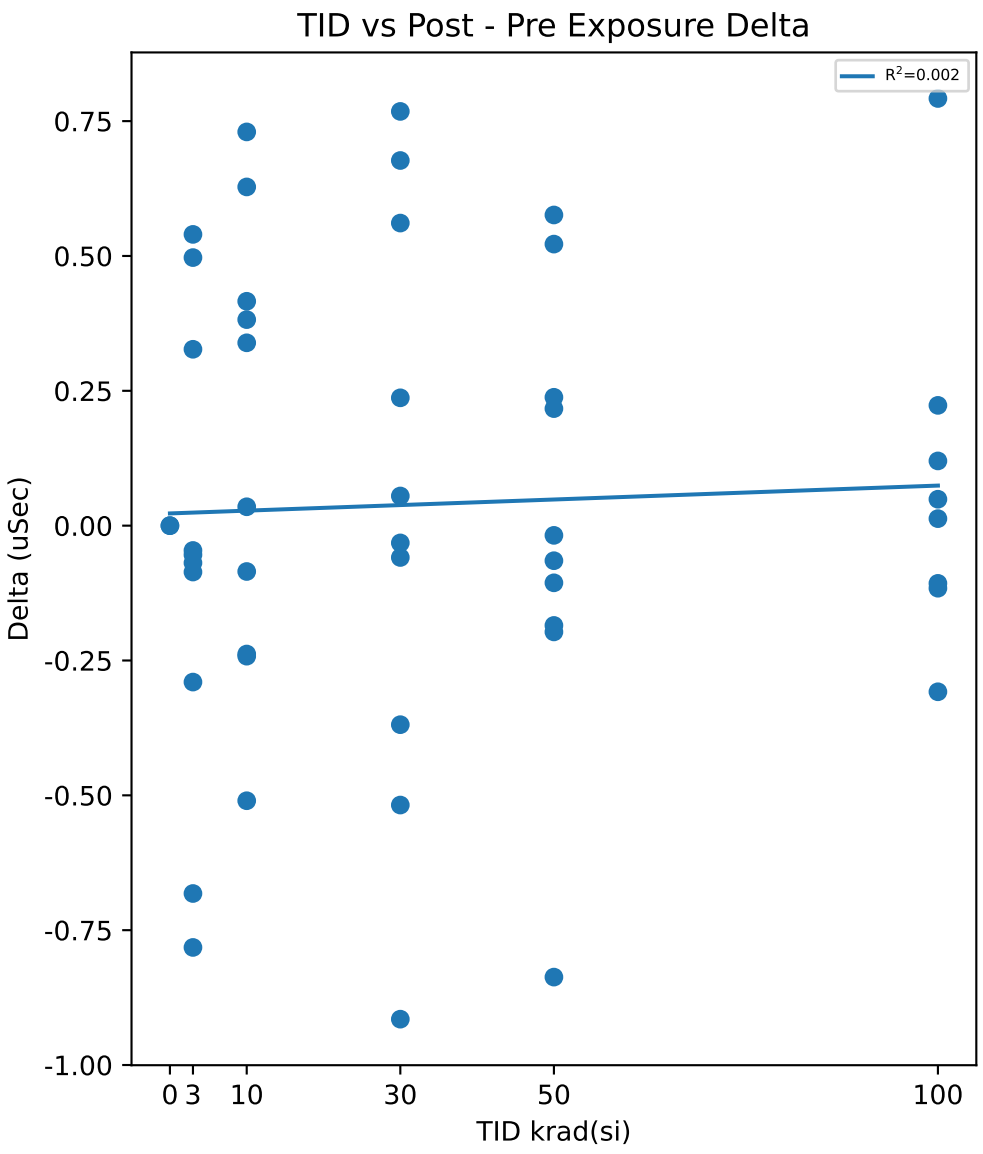
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.34 | 23.357 | 23.374 | 0.024042 | 23.34 | 23.357 | 23.374 | 0.024042 | 0 | 0 | 0 | 0 |
| 3 | 23.143 | 23.627 | 24.173 | 0.37125 | 22.958 | 23.49 | 23.936 | 0.38028 | -1.215 | -0.1368 | 0.594 | 0.56338 |
| 10 | 23.143 | 23.627 | 24.173 | 0.37125 | 22.951 | 23.497 | 23.96 | 0.38516 | -1.222 | -0.1304 | 0.572 | 0.56876 |
| 30 | 23.143 | 23.627 | 24.173 | 0.37125 | 22.896 | 23.506 | 24.061 | 0.39977 | -1.277 | -0.1206 | 0.683 | 0.58514 |
| 50 | 23.143 | 23.627 | 24.173 | 0.37125 | 22.799 | 23.483 | 23.959 | 0.37129 | -1.374 | -0.1437 | 0.603 | 0.61652 |
| 100 | 23.14 | 23.525 | 23.867 | 0.33857 | 23.205 | 23.43 | 23.606 | 0.14927 | -0.459 | -0.095 | 0.352 | 0.26296 |

# Device Test: 5.17 tpd_PWRGD_SU/PWRGD/1.6/14/0/0/0/@TPD_PWRGD




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

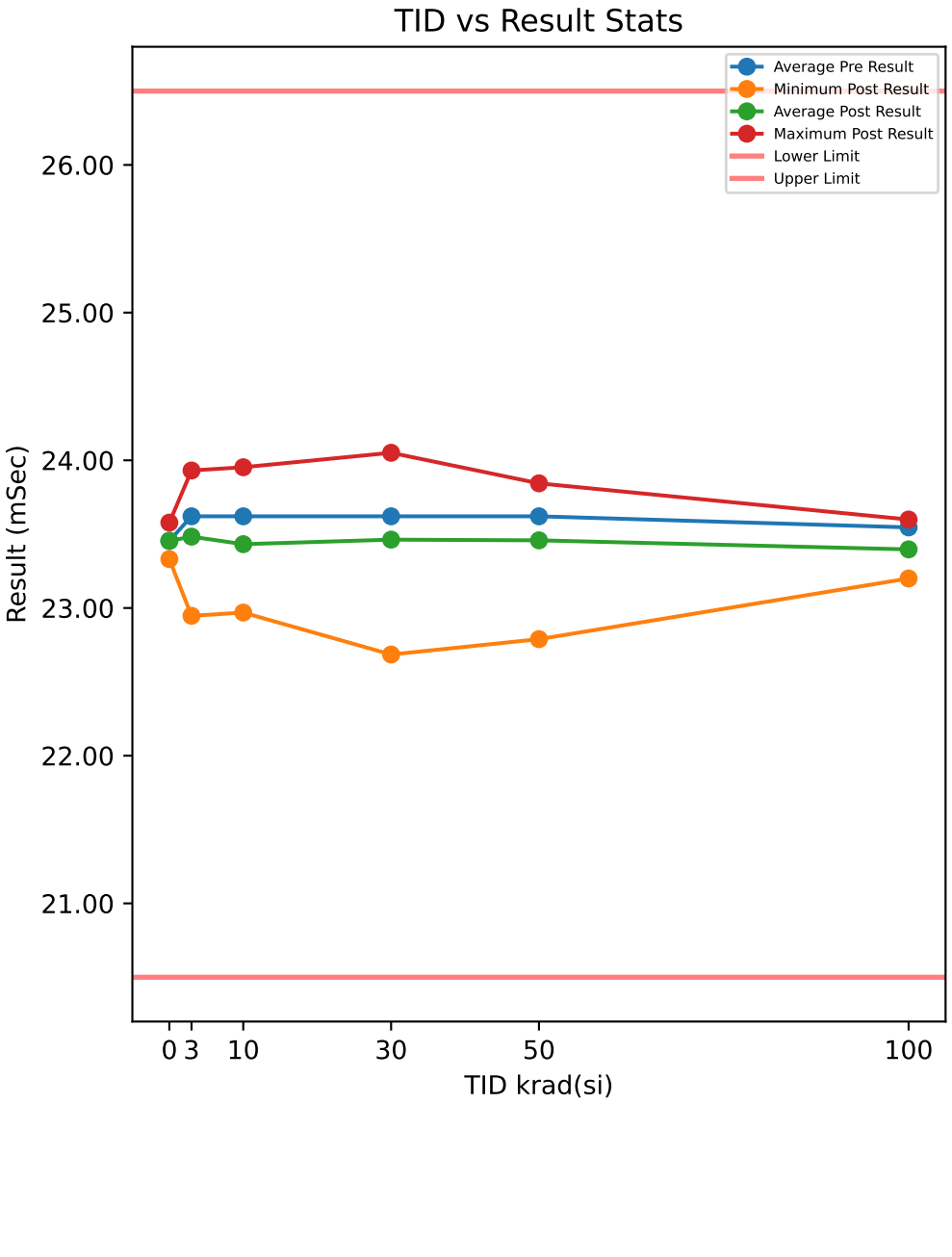
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.785 | 2.785 | 0 |
| 7 | 0 | Correlation | 2.753 | 2.753 | 0 |
| 16 | 3 | LDR-Biased | 3.656 | 2.974 | -0.682 |
| 18 | 3 | LDR-Biased | 2.98 | 2.894 | -0.086 |
| 19 | 3 | LDR-Biased | 3.089 | 3.043 | -0.046 |
| 20 | 3 | LDR-Biased | 3.218 | 3.149 | -0.069 |
| 21 | 3 | LDR-Biased | 3.533 | 2.751 | -0.782 |
| 22 | 3 | LDR-Unbiased | 2.932 | 3.472 | 0.54 |
| 23 | 3 | LDR-Unbiased | 2.799 | 2.745 | -0.054 |
| 25 | 3 | LDR-Unbiased | 3.176 | 2.886 | -0.29 |
| 26 | 3 | LDR-Unbiased | 3.088 | 3.585 | 0.497 |
| 27 | 3 | LDR-Unbiased | 3.018 | 3.345 | 0.327 |
| 46 | 10 | LDR-Biased | 3.656 | 3.418 | -0.238 |
| 48 | 10 | LDR-Biased | 2.98 | 3.608 | 0.628 |
| 49 | 10 | LDR-Biased | 3.089 | 3.428 | 0.339 |
| 50 | 10 | LDR-Biased | 3.218 | 3.253 | 0.035 |
| 51 | 10 | LDR-Biased | 3.533 | 3.023 | -0.51 |
| 52 | 10 | LDR-Unbiased | 2.932 | 3.314 | 0.382 |
| 53 | 10 | LDR-Unbiased | 2.799 | 3.529 | 0.73 |
| 55 | 10 | LDR-Unbiased | 3.176 | 2.934 | -0.242 |
| 56 | 10 | LDR-Unbiased | 3.088 | 3.003 | -0.085 |
| 57 | 10 | LDR-Unbiased | 3.018 | 3.434 | 0.416 |
| 76 | 30 | LDR-Biased | 3.656 | 2.741 | -0.915 |
| 78 | 30 | LDR-Biased | 2.98 | 2.948 | -0.032 |
| 79 | 30 | LDR-Biased | 3.089 | 2.72 | -0.369 |
| 80 | 30 | LDR-Biased | 3.218 | 3.159 | -0.059 |
| 81 | 30 | LDR-Biased | 3.533 | 3.015 | -0.518 |
| 82 | 30 | LDR-Unbiased | 2.932 | 3.7 | 0.768 |
| 83 | 30 | LDR-Unbiased | 2.799 | 3.476 | 0.677 |
| 84 | 30 | LDR-Unbiased | 3.018 | 3.073 | 0.055 |
| 85 | 30 | LDR-Unbiased | 3.176 | 3.413 | 0.237 |
| 86 | 30 | LDR-Unbiased | 3.088 | 3.649 | 0.561 |
| 87 | 100 | LDR-Biased | 3.406 | 3.419 | 0.013 |
| 88 | 100 | LDR-Biased | 3.512 | 3.204 | -0.308 |
| 90 | 100 | LDR-Biased | 2.826 | 3.618 | 0.792 |
| 91 | 100 | LDR-Unbiased | 2.817 | 2.866 | 0.049 |
| 93 | 100 | LDR-Unbiased | 3.291 | 3.411 | 0.12 |
| 94 | 100 | LDR-Unbiased | 2.83 | 3.053 | 0.223 |
| 95 | 100 | LDR-Unbiased | 3.444 | 3.337 | -0.107 |
| 96 | 100 | LDR-Unbiased | 3.128 | 3.012 | -0.116 |
| 106 | 50 | LDR-Biased | 3.656 | 2.819 | -0.837 |
| 108 | 50 | LDR-Biased | 2.98 | 3.502 | 0.522 |
| 109 | 50 | LDR-Biased | 3.089 | 2.904 | -0.185 |
| 110 | 50 | LDR-Biased | 3.218 | 3.021 | -0.197 |
| 111 | 50 | LDR-Biased | 3.533 | 3.468 | -0.065 |
| 112 | 50 | LDR-Unbiased | 2.932 | 3.508 | 0.576 |
| 113 | 50 | LDR-Unbiased | 2.799 | 2.781 | -0.018 |
| 115 | 50 | LDR-Unbiased | 3.176 | 3.414 | 0.238 |
| 116 | 50 | LDR-Unbiased | 3.088 | 2.982 | -0.106 |
| 117 | 50 | LDR-Unbiased | 3.018 | 3.235 | 0.217 |

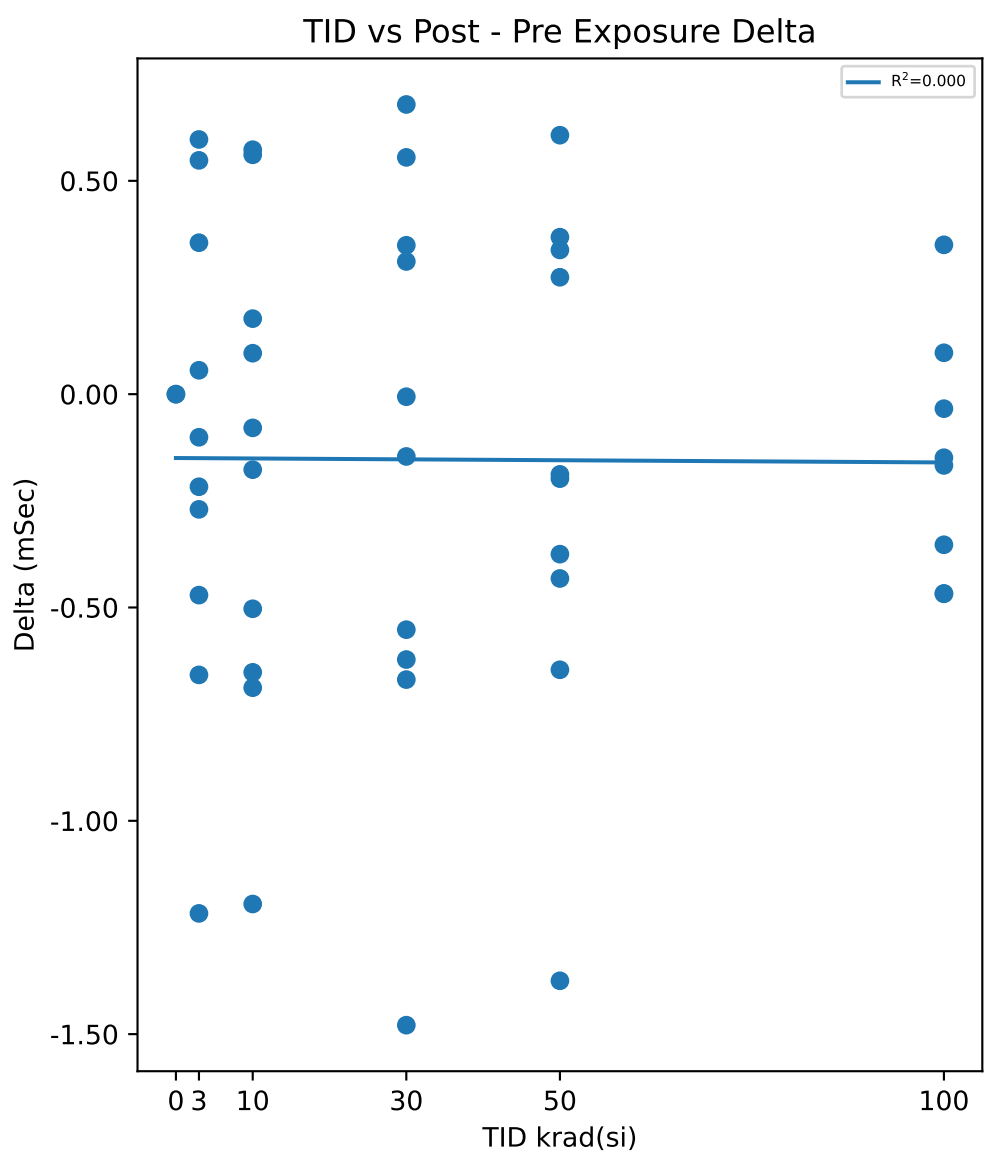



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.753 | 2.769 | 2.785 | 0.022627 | 2.753 | 2.769 | 2.785 | 0.022627 | 0 | 0 | 0 | 0 |
| 3 | 2.799 | 3.1489 | 3.656 | 0.26513 | 2.745 | 3.0844 | 3.585 | 0.29605 | -0.782 | -0.0645 | 0.54 | 0.44496 |
| 10 | 2.799 | 3.1489 | 3.656 | 0.26513 | 2.934 | 3.2944 | 3.608 | 0.23489 | -0.51 | 0.1455 | 0.73 | 0.41275 |
| 30 | 2.799 | 3.1489 | 3.656 | 0.26513 | 2.72 | 3.1894 | 3.7 | 0.35413 | -0.915 | 0.0405 | 0.768 | 0.54282 |
| 50 | 2.799 | 3.1489 | 3.656 | 0.26513 | 2.781 | 3.1634 | 3.508 | 0.29428 | -0.837 | 0.0145 | 0.576 | 0.40761 |
| 100 | 2.817 | 3.1568 | 3.512 | 0.29792 | 2.866 | 3.24 | 3.618 | 0.2512 | -0.308 | 0.08325 | 0.792 | 0.32913 |

# Device Test: 5.170 tdly_Res1p18M_EN3_SD/EN3/7/14/1.18M/0/0/@DLY_TMR_1MOHM



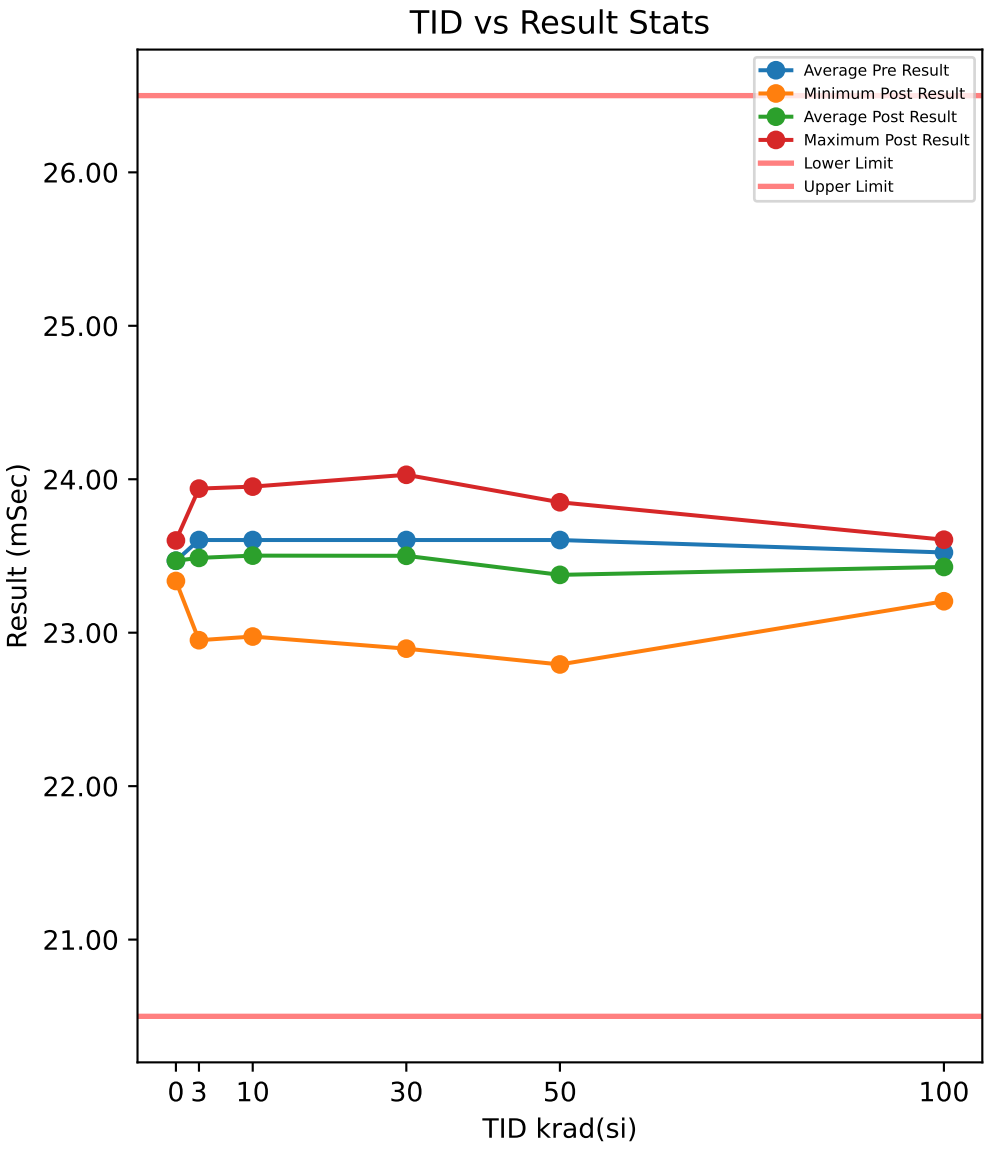

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

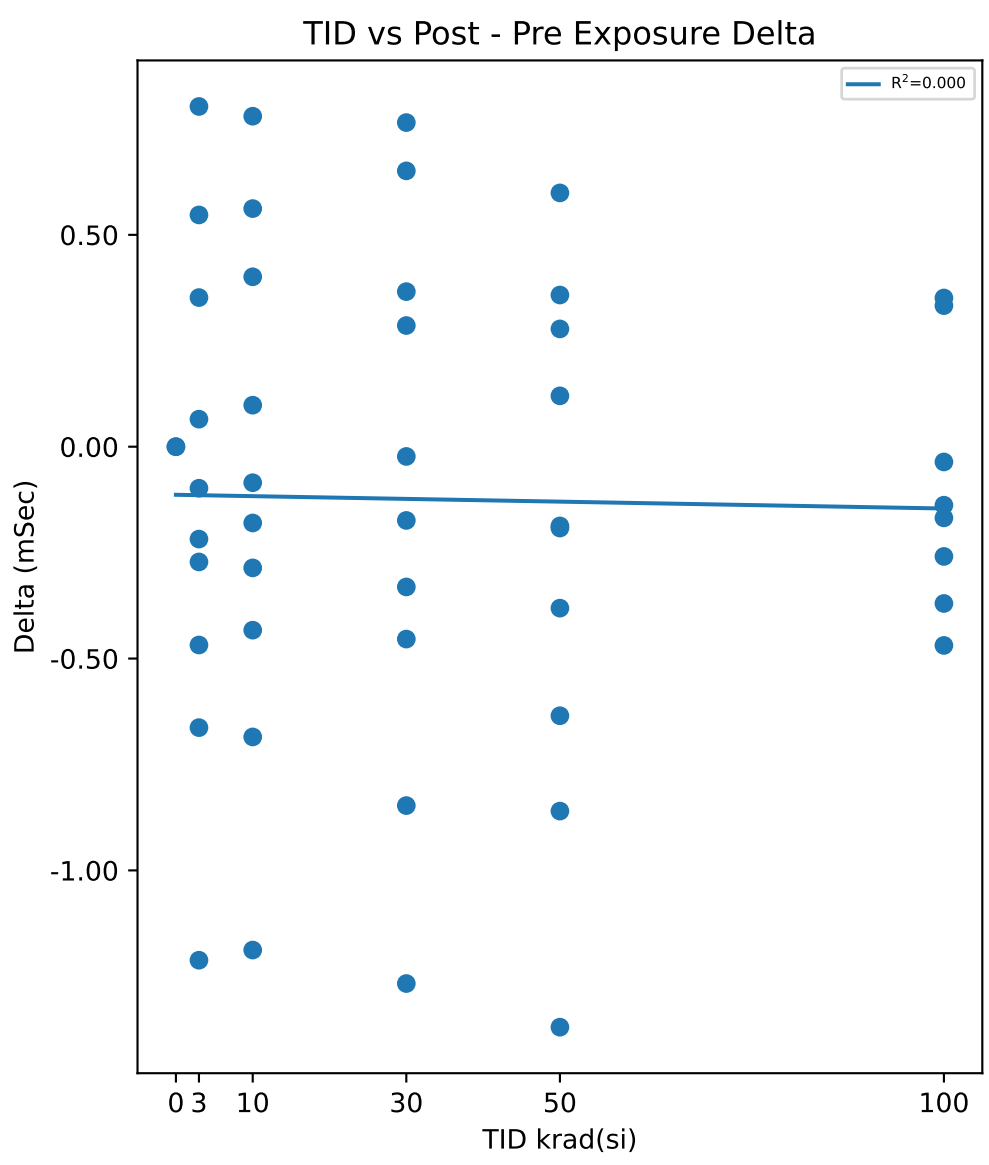
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.578 | 23.578 | 0 |
| 7 | 0 | Correlation | 23.331 | 23.331 | 0 |
| 16 | 3 | LDR-Biased | 23.853 | 23.195 | -0.658 |
| 18 | 3 | LDR-Biased | 23.524 | 23.879 | 0.355 |
| 19 | 3 | LDR-Biased | 23.971 | 23.701 | -0.27 |
| 20 | 3 | LDR-Biased | 23.654 | 23.183 | -0.471 |
| 21 | 3 | LDR-Biased | 23.158 | 23.214 | 0.056 |
| 22 | 3 | LDR-Unbiased | 23.135 | 23.732 | 0.597 |
| 23 | 3 | LDR-Unbiased | 24.032 | 23.931 | -0.101 |
| 25 | 3 | LDR-Unbiased | 24.164 | 22.947 | -1.217 |
| 26 | 3 | LDR-Unbiased | 23.345 | 23.128 | -0.217 |
| 27 | 3 | LDR-Unbiased | 23.372 | 23.92 | 0.548 |
| 46 | 10 | LDR-Biased | 23.853 | 23.165 | -0.688 |
| 48 | 10 | LDR-Biased | 23.524 | 23.701 | 0.177 |
| 49 | 10 | LDR-Biased | 23.971 | 23.468 | -0.503 |
| 50 | 10 | LDR-Biased | 23.654 | 23.002 | -0.652 |
| 51 | 10 | LDR-Biased | 23.158 | 23.254 | 0.096 |
| 52 | 10 | LDR-Unbiased | 23.135 | 23.708 | 0.573 |
| 53 | 10 | LDR-Unbiased | 24.032 | 23.953 | -0.079 |
| 55 | 10 | LDR-Unbiased | 24.164 | 22.969 | -1.195 |
| 56 | 10 | LDR-Unbiased | 23.345 | 23.168 | -0.177 |
| 57 | 10 | LDR-Unbiased | 23.372 | 23.933 | 0.561 |
| 76 | 30 | LDR-Biased | 23.853 | 23.231 | -0.622 |
| 78 | 30 | LDR-Biased | 23.524 | 23.873 | 0.349 |
| 79 | 30 | LDR-Biased | 23.971 | 23.419 | -0.552 |
| 80 | 30 | LDR-Biased | 23.654 | 22.985 | -0.669 |
| 81 | 30 | LDR-Biased | 23.158 | 23.469 | 0.311 |
| 82 | 30 | LDR-Unbiased | 23.135 | 23.69 | 0.555 |
| 83 | 30 | LDR-Unbiased | 24.032 | 24.026 | -0.006 |
| 84 | 30 | LDR-Unbiased | 23.372 | 24.051 | 0.679 |
| 85 | 30 | LDR-Unbiased | 24.164 | 22.685 | -1.479 |
| 86 | 30 | LDR-Unbiased | 23.345 | 23.199 | -0.146 |
| 87 | 100 | LDR-Biased | 23.414 | 23.38 | -0.034 |
| 88 | 100 | LDR-Biased | 23.84 | 23.373 | -0.467 |
| 90 | 100 | LDR-Biased | 23.748 | 23.599 | -0.149 |
| 91 | 100 | LDR-Unbiased | 23.135 | 23.485 | 0.35 |
| 93 | 100 | LDR-Unbiased | 23.161 | 23.258 | 0.097 |
| 94 | 100 | LDR-Unbiased | 23.86 | 23.392 | -0.468 |
| 95 | 100 | LDR-Unbiased | 23.841 | 23.488 | -0.353 |
| 96 | 100 | LDR-Unbiased | 23.367 | 23.2 | -0.167 |
| 106 | 50 | LDR-Biased | 23.853 | 23.207 | -0.646 |
| 108 | 50 | LDR-Biased | 23.524 | 23.798 | 0.274 |
| 109 | 50 | LDR-Biased | 23.971 | 23.539 | -0.432 |
| 110 | 50 | LDR-Biased | 23.654 | 23.279 | -0.375 |
| 111 | 50 | LDR-Biased | 23.158 | 23.496 | 0.338 |
| 112 | 50 | LDR-Unbiased | 23.135 | 23.742 | 0.607 |
| 113 | 50 | LDR-Unbiased | 24.032 | 23.844 | -0.188 |
| 115 | 50 | LDR-Unbiased | 24.164 | 22.789 | -1.375 |
| 116 | 50 | LDR-Unbiased | 23.345 | 23.147 | -0.198 |
| 117 | 50 | LDR-Unbiased | 23.372 | 23.74 | 0.368 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.331 | 23.454 | 23.578 | 0.17466 | 23.331 | 23.454 | 23.578 | 0.17466 | 0 | 0 | 0 | 0 |
| 3 | 23.135 | 23.621 | 24.164 | 0.37108 | 22.947 | 23.483 | 23.931 | 0.38248 | -1.217 | -0.1378 | 0.597 | 0.56392 |
| 10 | 23.135 | 23.621 | 24.164 | 0.37108 | 22.969 | 23.432 | 23.953 | 0.37181 | -1.195 | -0.1887 | 0.573 | 0.57199 |
| 30 | 23.135 | 23.621 | 24.164 | 0.37108 | 22.685 | 23.463 | 24.051 | 0.45235 | -1.479 | -0.158 | 0.679 | 0.67379 |
| 50 | 23.135 | 23.621 | 24.164 | 0.37108 | 22.789 | 23.458 | 23.844 | 0.34514 | -1.375 | -0.1627 | 0.607 | 0.5905 |
| 100 | 23.135 | 23.546 | 23.86 | 0.31156 | 23.2 | 23.397 | 23.599 | 0.12865 | -0.468 | -0.14888 | 0.35 | 0.28475 |

# Device Test: 5.171 tdly_Res1p18M_EN4_SD/EN4/7/14/1.18M/0/0/@DLY_TMR_1MOHM



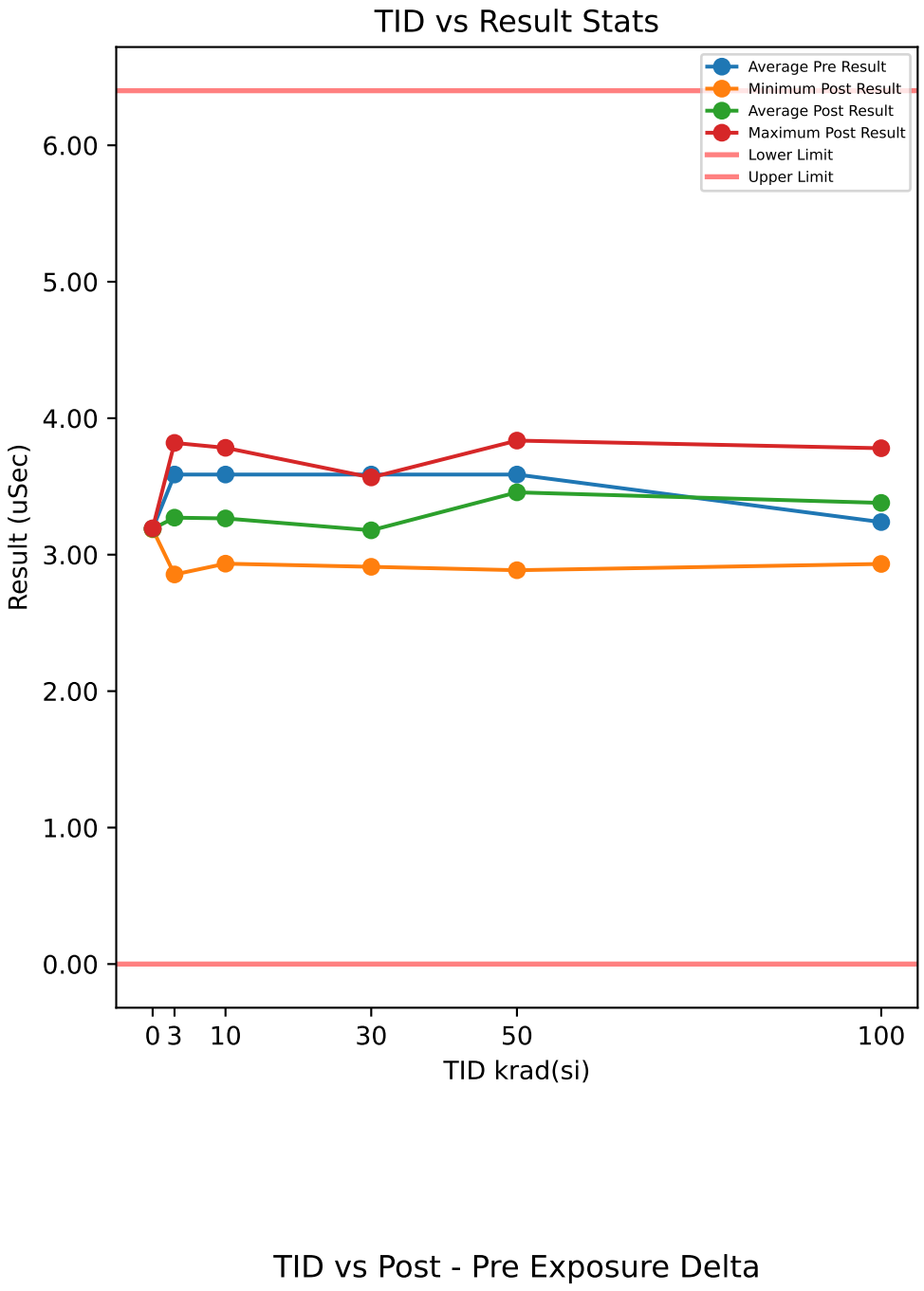

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

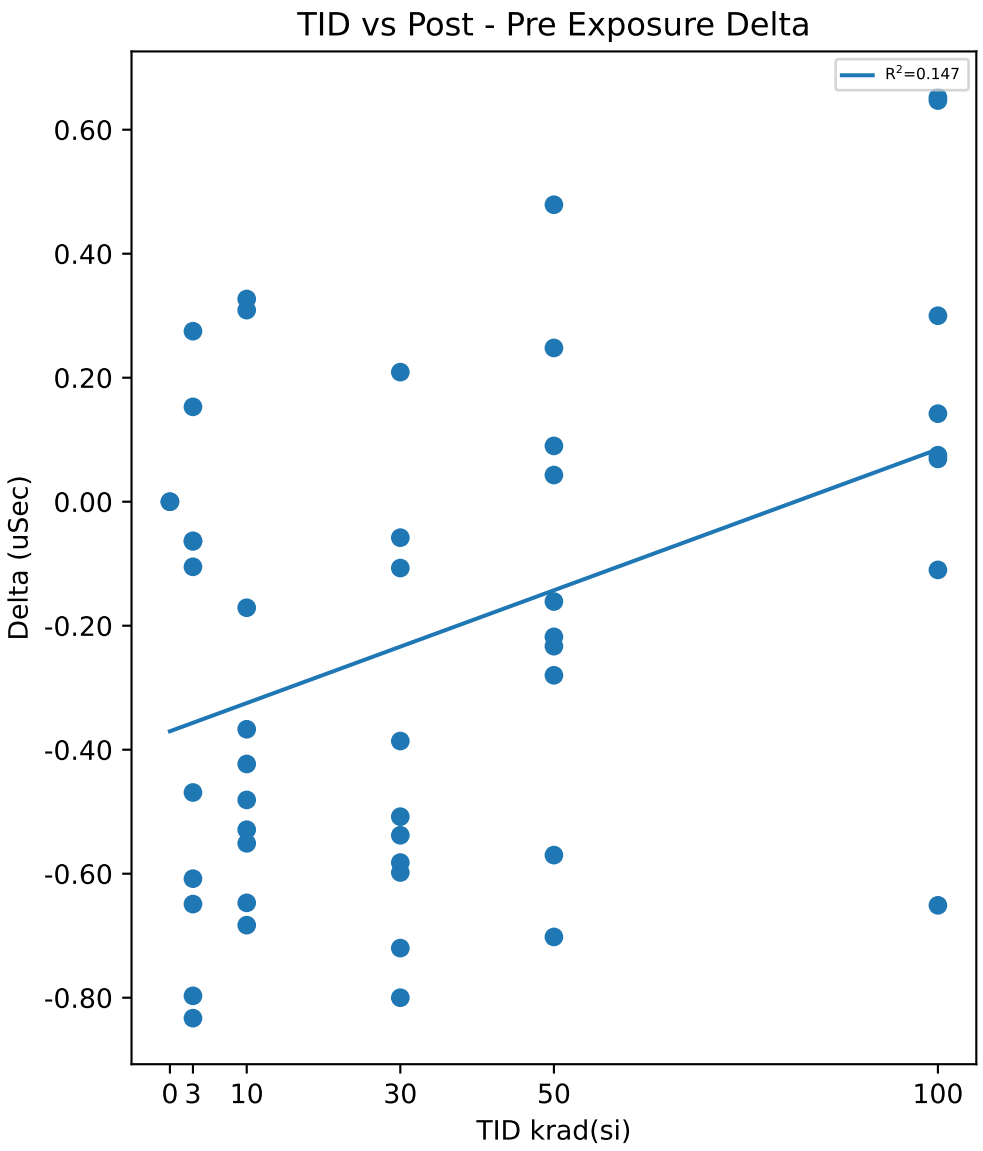
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.601 | 23.601 | 0 |
| 7 | 0 | Correlation | 23.337 | 23.337 | 0 |
| 16 | 3 | LDR-Biased | 23.859 | 23.196 | -0.663 |
| 18 | 3 | LDR-Biased | 23.527 | 23.879 | 0.352 |
| 19 | 3 | LDR-Biased | 23.969 | 23.697 | -0.272 |
| 20 | 3 | LDR-Biased | 23.657 | 23.189 | -0.468 |
| 21 | 3 | LDR-Biased | 23.163 | 23.228 | 0.065 |
| 22 | 3 | LDR-Unbiased | 22.933 | 23.736 | 0.803 |
| 23 | 3 | LDR-Unbiased | 24.037 | 23.939 | -0.098 |
| 25 | 3 | LDR-Unbiased | 24.163 | 22.951 | -1.212 |
| 26 | 3 | LDR-Unbiased | 23.353 | 23.135 | -0.218 |
| 27 | 3 | LDR-Unbiased | 23.378 | 23.925 | 0.547 |
| 46 | 10 | LDR-Biased | 23.859 | 23.174 | -0.685 |
| 48 | 10 | LDR-Biased | 23.527 | 23.928 | 0.401 |
| 49 | 10 | LDR-Biased | 23.969 | 23.683 | -0.286 |
| 50 | 10 | LDR-Biased | 23.657 | 23.224 | -0.433 |
| 51 | 10 | LDR-Biased | 23.163 | 23.261 | 0.098 |
| 52 | 10 | LDR-Unbiased | 22.933 | 23.713 | 0.78 |
| 53 | 10 | LDR-Unbiased | 24.037 | 23.952 | -0.085 |
| 55 | 10 | LDR-Unbiased | 24.163 | 22.975 | -1.188 |
| 56 | 10 | LDR-Unbiased | 23.353 | 23.173 | -0.18 |
| 57 | 10 | LDR-Unbiased | 23.378 | 23.94 | 0.562 |
| 76 | 30 | LDR-Biased | 23.859 | 23.012 | -0.847 |
| 78 | 30 | LDR-Biased | 23.527 | 23.893 | 0.366 |
| 79 | 30 | LDR-Biased | 23.969 | 23.638 | -0.331 |
| 80 | 30 | LDR-Biased | 23.657 | 23.203 | -0.454 |
| 81 | 30 | LDR-Biased | 23.163 | 23.449 | 0.286 |
| 82 | 30 | LDR-Unbiased | 22.933 | 23.698 | 0.765 |
| 83 | 30 | LDR-Unbiased | 24.037 | 24.014 | -0.023 |
| 84 | 30 | LDR-Unbiased | 23.378 | 24.029 | 0.651 |
| 85 | 30 | LDR-Unbiased | 24.163 | 22.896 | -1.267 |
| 86 | 30 | LDR-Unbiased | 23.353 | 23.179 | -0.174 |
| 87 | 100 | LDR-Biased | 23.421 | 23.385 | -0.036 |
| 88 | 100 | LDR-Biased | 23.864 | 23.605 | -0.259 |
| 90 | 100 | LDR-Biased | 23.744 | 23.606 | -0.138 |
| 91 | 100 | LDR-Unbiased | 23.139 | 23.49 | 0.351 |
| 93 | 100 | LDR-Unbiased | 22.93 | 23.263 | 0.333 |
| 94 | 100 | LDR-Unbiased | 23.866 | 23.397 | -0.469 |
| 95 | 100 | LDR-Unbiased | 23.846 | 23.476 | -0.37 |
| 96 | 100 | LDR-Unbiased | 23.373 | 23.205 | -0.168 |
| 106 | 50 | LDR-Biased | 23.859 | 22.999 | -0.86 |
| 108 | 50 | LDR-Biased | 23.527 | 23.805 | 0.278 |
| 109 | 50 | LDR-Biased | 23.969 | 23.334 | -0.635 |
| 110 | 50 | LDR-Biased | 23.657 | 23.276 | -0.381 |
| 111 | 50 | LDR-Biased | 23.163 | 23.283 | 0.12 |
| 112 | 50 | LDR-Unbiased | 22.933 | 23.532 | 0.599 |
| 113 | 50 | LDR-Unbiased | 24.037 | 23.85 | -0.187 |
| 115 | 50 | LDR-Unbiased | 24.163 | 22.793 | -1.37 |
| 116 | 50 | LDR-Unbiased | 23.353 | 23.161 | -0.192 |
| 117 | 50 | LDR-Unbiased | 23.378 | 23.736 | 0.358 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.337 | 23.469 | 23.601 | 0.18668 | 23.337 | 23.469 | 23.601 | 0.18668 | 0 | 0 | 0 | 0 |
| 3 | 22.933 | 23.604 | 24.163 | 0.40356 | 22.951 | 23.488 | 23.939 | 0.38118 | -1.212 | -0.1164 | 0.803 | 0.59585 |
| 10 | 22.933 | 23.604 | 24.163 | 0.40356 | 22.975 | 23.502 | 23.952 | 0.37742 | -1.188 | -0.1016 | 0.78 | 0.5945 |
| 30 | 22.933 | 23.604 | 24.163 | 0.40356 | 22.896 | 23.501 | 24.029 | 0.41547 | -1.267 | -0.1028 | 0.765 | 0.64878 |
| 50 | 22.933 | 23.604 | 24.163 | 0.40356 | 22.793 | 23.377 | 23.85 | 0.35139 | -1.37 | -0.227 | 0.599 | 0.60554 |
| 100 | 22.93 | 23.523 | 23.866 | 0.36236 | 23.205 | 23.428 | 23.606 | 0.14586 | -0.469 | -0.0945 | 0.351 | 0.30122 |

# Device Test: 5.18 tpd_EN1_SD/EN1/1.6/14/0/0/0/@TPD_EN



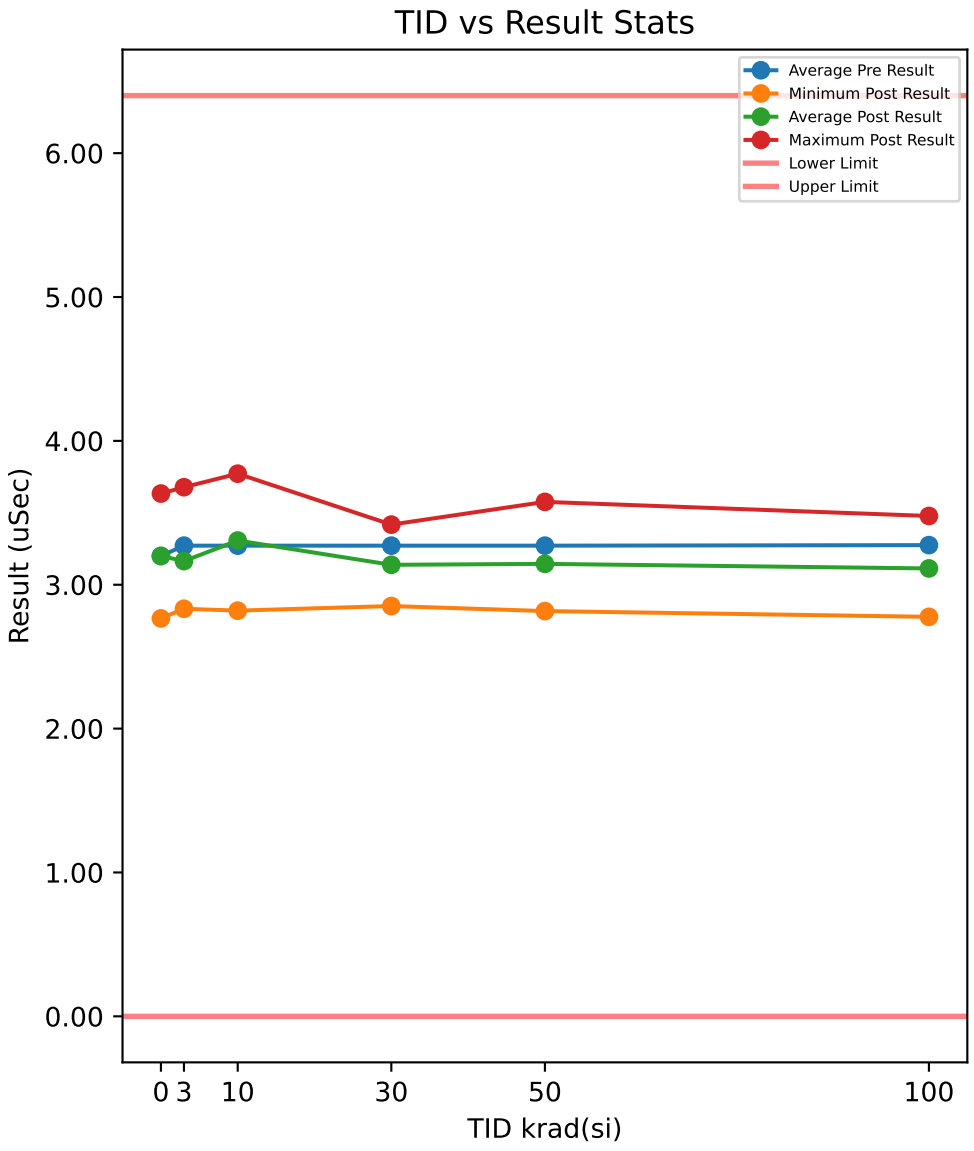

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

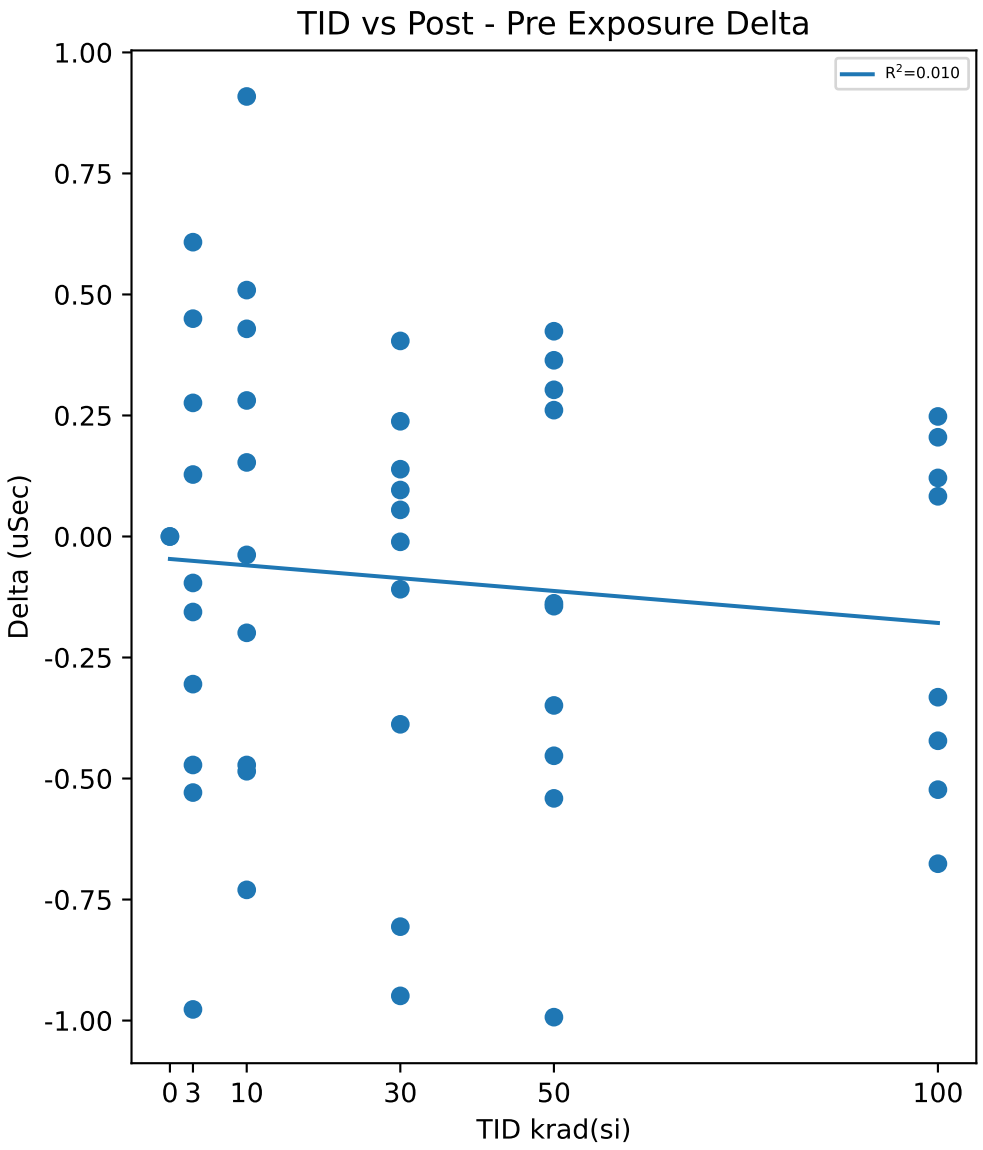
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.186 | 3.186 | 0 |
| 7 | 0 | Correlation | 3.193 | 3.193 | 0 |
| 16 | 3 | LDR-Biased | 3.641 | 2.992 | -0.649 |
| 18 | 3 | LDR-Biased | 3.741 | 3.678 | -0.063 |
| 19 | 3 | LDR-Biased | 3.838 | 3.005 | -0.833 |
| 20 | 3 | LDR-Biased | 3.456 | 3.392 | -0.064 |
| 21 | 3 | LDR-Biased | 3.463 | 2.855 | -0.608 |
| 22 | 3 | LDR-Unbiased | 3.357 | 3.51 | 0.153 |
| 23 | 3 | LDR-Unbiased | 3.544 | 3.819 | 0.275 |
| 25 | 3 | LDR-Unbiased | 3.711 | 3.606 | -0.105 |
| 26 | 3 | LDR-Unbiased | 3.451 | 2.982 | -0.469 |
| 27 | 3 | LDR-Unbiased | 3.67 | 2.873 | -0.797 |
| 46 | 10 | LDR-Biased | 3.641 | 2.994 | -0.647 |
| 48 | 10 | LDR-Biased | 3.741 | 3.374 | -0.367 |
| 49 | 10 | LDR-Biased | 3.838 | 3.155 | -0.683 |
| 50 | 10 | LDR-Biased | 3.456 | 3.783 | 0.327 |
| 51 | 10 | LDR-Biased | 3.463 | 3.772 | 0.309 |
| 52 | 10 | LDR-Unbiased | 3.357 | 2.934 | -0.423 |
| 53 | 10 | LDR-Unbiased | 3.544 | 3.063 | -0.481 |
| 55 | 10 | LDR-Unbiased | 3.711 | 3.16 | -0.551 |
| 56 | 10 | LDR-Unbiased | 3.451 | 3.28 | -0.171 |
| 57 | 10 | LDR-Unbiased | 3.67 | 3.141 | -0.529 |
| 76 | 30 | LDR-Biased | 3.641 | 3.059 | -0.582 |
| 78 | 30 | LDR-Biased | 3.741 | 3.021 | -0.72 |
| 79 | 30 | LDR-Biased | 3.838 | 3.24 | -0.598 |
| 80 | 30 | LDR-Biased | 3.456 | 3.398 | -0.058 |
| 81 | 30 | LDR-Biased | 3.463 | 3.356 | -0.107 |
| 82 | 30 | LDR-Unbiased | 3.357 | 3.566 | 0.209 |
| 83 | 30 | LDR-Unbiased | 3.544 | 3.036 | -0.508 |
| 84 | 30 | LDR-Unbiased | 3.67 | 3.284 | -0.386 |
| 85 | 30 | LDR-Unbiased | 3.711 | 2.911 | -0.8 |
| 86 | 30 | LDR-Unbiased | 3.451 | 2.913 | -0.538 |
| 87 | 100 | LDR-Biased | 3.352 | 3.242 | -0.11 |
| 88 | 100 | LDR-Biased | 2.91 | 3.21 | 0.3 |
| 90 | 100 | LDR-Biased | 3.142 | 3.217 | 0.075 |
| 91 | 100 | LDR-Unbiased | 3.109 | 3.761 | 0.652 |
| 93 | 100 | LDR-Unbiased | 3.704 | 3.773 | 0.069 |
| 94 | 100 | LDR-Unbiased | 3.583 | 2.932 | -0.651 |
| 95 | 100 | LDR-Unbiased | 3.133 | 3.78 | 0.647 |
| 96 | 100 | LDR-Unbiased | 2.978 | 3.12 | 0.142 |
| 106 | 50 | LDR-Biased | 3.641 | 3.423 | -0.218 |
| 108 | 50 | LDR-Biased | 3.741 | 3.58 | -0.161 |
| 109 | 50 | LDR-Biased | 3.838 | 3.136 | -0.702 |
| 110 | 50 | LDR-Biased | 3.456 | 2.886 | -0.57 |
| 111 | 50 | LDR-Biased | 3.463 | 3.553 | 0.09 |
| 112 | 50 | LDR-Unbiased | 3.357 | 3.836 | 0.479 |
| 113 | 50 | LDR-Unbiased | 3.544 | 3.587 | 0.043 |
| 115 | 50 | LDR-Unbiased | 3.711 | 3.431 | -0.28 |
| 116 | 50 | LDR-Unbiased | 3.451 | 3.699 | 0.248 |
| 117 | 50 | LDR-Unbiased | 3.67 | 3.437 | -0.233 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.186 | 3.1895 | 3.193 | 0.0049497 | 3.186 | 3.1895 | 3.193 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 3.357 | 3.5872 | 3.838 | 0.15552 | 2.855 | 3.2712 | 3.819 | 0.3672 | -0.833 | -0.316 | 0.275 | 0.4027 |
| 10 | 3.357 | 3.5872 | 3.838 | 0.15552 | 2.934 | 3.2656 | 3.783 | 0.2981 | -0.683 | -0.3216 | 0.327 | 0.3668 |
| 30 | 3.357 | 3.5872 | 3.838 | 0.15552 | 2.911 | 3.1784 | 3.566 | 0.22266 | -0.8 | -0.4088 | 0.209 | 0.32293 |
| 50 | 3.357 | 3.5872 | 3.838 | 0.15552 | 2.886 | 3.4568 | 3.836 | 0.27381 | -0.702 | -0.1304 | 0.479 | 0.35819 |
| 100 | 2.91 | 3.2389 | 3.704 | 0.28315 | 2.932 | 3.3794 | 3.78 | 0.33857 | -0.651 | 0.1405 | 0.652 | 0.42126 |

# Device Test: 5.19 tpd_EN2_SD/EN2/1.6/14/0/0/0/@TPD_EN



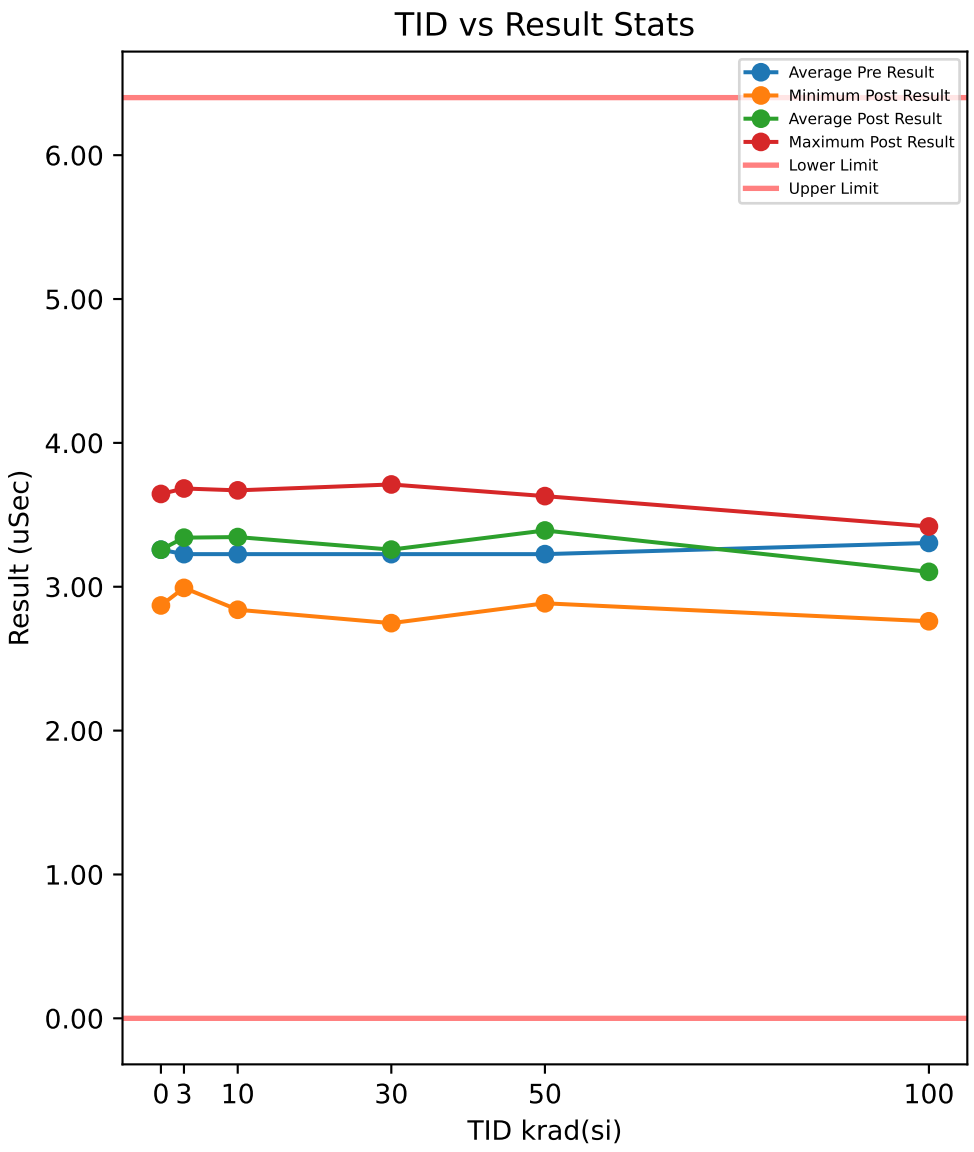

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

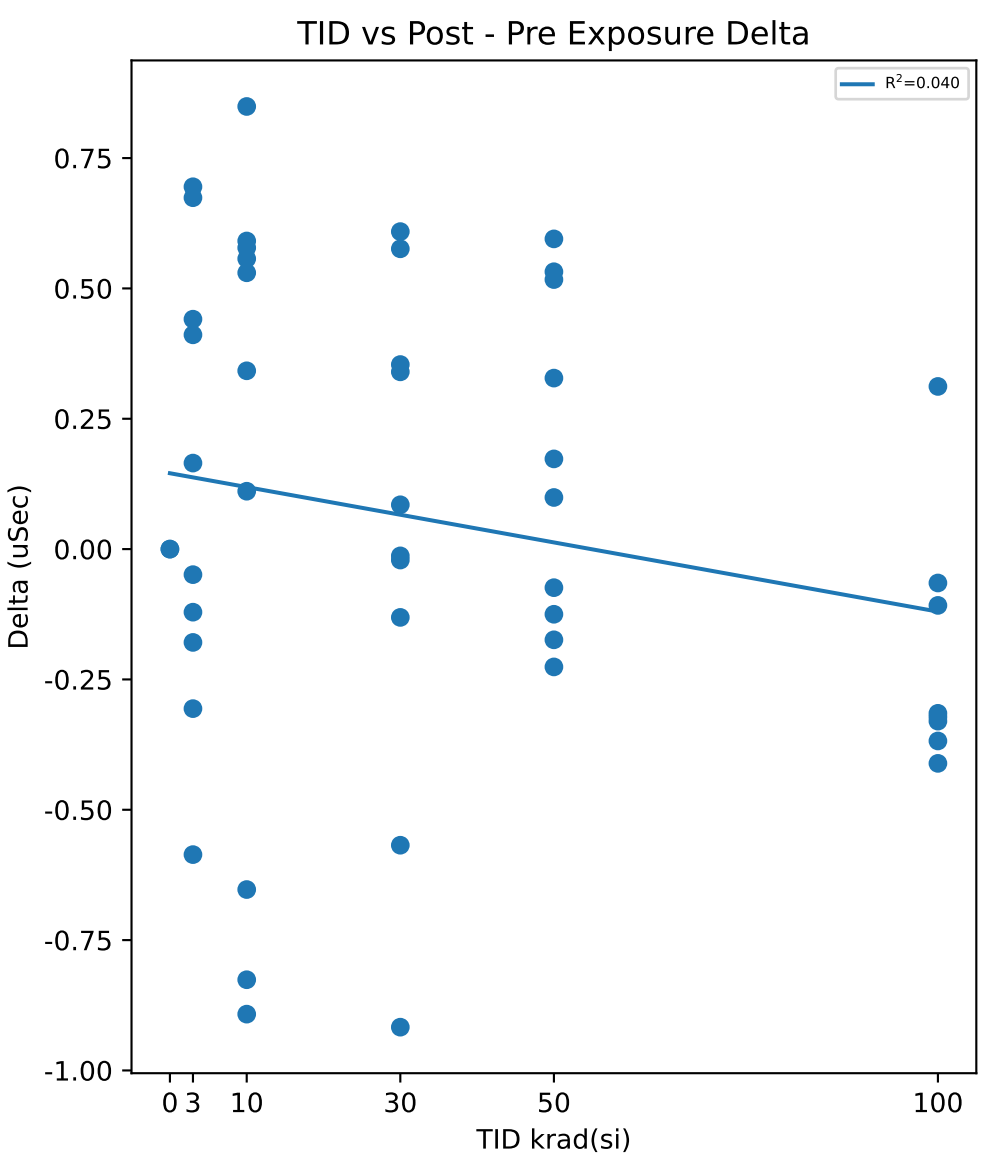
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.766 | 2.766 | 0 |
| 7 | 0 | Correlation | 3.634 | 3.634 | 0 |
| 16 | 3 | LDR-Biased | 3.475 | 3.003 | -0.472 |
| 18 | 3 | LDR-Biased | 3.658 | 3.129 | -0.529 |
| 19 | 3 | LDR-Biased | 3.223 | 3.499 | 0.276 |
| 20 | 3 | LDR-Biased | 2.824 | 3.432 | 0.608 |
| 21 | 3 | LDR-Biased | 3.014 | 2.858 | -0.156 |
| 22 | 3 | LDR-Unbiased | 2.854 | 3.304 | 0.45 |
| 23 | 3 | LDR-Unbiased | 3.097 | 3.001 | -0.096 |
| 25 | 3 | LDR-Unbiased | 3.81 | 2.833 | -0.977 |
| 26 | 3 | LDR-Unbiased | 3.55 | 3.678 | 0.128 |
| 27 | 3 | LDR-Unbiased | 3.212 | 2.907 | -0.305 |
| 46 | 10 | LDR-Biased | 3.475 | 2.99 | -0.485 |
| 48 | 10 | LDR-Biased | 3.658 | 3.186 | -0.472 |
| 49 | 10 | LDR-Biased | 3.223 | 3.652 | 0.429 |
| 50 | 10 | LDR-Biased | 2.824 | 3.333 | 0.509 |
| 51 | 10 | LDR-Biased | 3.014 | 3.167 | 0.153 |
| 52 | 10 | LDR-Unbiased | 2.854 | 3.763 | 0.909 |
| 53 | 10 | LDR-Unbiased | 3.097 | 3.378 | 0.281 |
| 55 | 10 | LDR-Unbiased | 3.81 | 3.772 | -0.038 |
| 56 | 10 | LDR-Unbiased | 3.55 | 2.82 | -0.73 |
| 57 | 10 | LDR-Unbiased | 3.212 | 3.013 | -0.199 |
| 76 | 30 | LDR-Biased | 3.475 | 3.366 | -0.109 |
| 78 | 30 | LDR-Biased | 3.658 | 2.852 | -0.806 |
| 79 | 30 | LDR-Biased | 3.223 | 3.212 | -0.011 |
| 80 | 30 | LDR-Biased | 2.824 | 2.963 | 0.139 |
| 81 | 30 | LDR-Biased | 3.014 | 3.418 | 0.404 |
| 82 | 30 | LDR-Unbiased | 2.854 | 3.092 | 0.238 |
| 83 | 30 | LDR-Unbiased | 3.097 | 3.152 | 0.055 |
| 84 | 30 | LDR-Unbiased | 3.212 | 3.308 | 0.096 |
| 85 | 30 | LDR-Unbiased | 3.81 | 2.861 | -0.949 |
| 86 | 30 | LDR-Unbiased | 3.55 | 3.162 | -0.388 |
| 87 | 100 | LDR-Biased | 3.558 | 3.136 | -0.422 |
| 88 | 100 | LDR-Biased | 3.22 | 3.425 | 0.205 |
| 90 | 100 | LDR-Biased | 3.453 | 2.777 | -0.676 |
| 91 | 100 | LDR-Unbiased | 2.849 | 2.97 | 0.121 |
| 93 | 100 | LDR-Unbiased | 3.086 | 3.169 | 0.083 |
| 94 | 100 | LDR-Unbiased | 3.6 | 3.077 | -0.523 |
| 95 | 100 | LDR-Unbiased | 3.207 | 2.875 | -0.332 |
| 96 | 100 | LDR-Unbiased | 3.23 | 3.478 | 0.248 |
| 106 | 50 | LDR-Biased | 3.475 | 3.022 | -0.453 |
| 108 | 50 | LDR-Biased | 3.658 | 3.117 | -0.541 |
| 109 | 50 | LDR-Biased | 3.223 | 3.079 | -0.144 |
| 110 | 50 | LDR-Biased | 2.824 | 3.248 | 0.424 |
| 111 | 50 | LDR-Biased | 3.014 | 3.275 | 0.261 |
| 112 | 50 | LDR-Unbiased | 2.854 | 3.157 | 0.303 |
| 113 | 50 | LDR-Unbiased | 3.097 | 2.959 | -0.138 |
| 115 | 50 | LDR-Unbiased | 3.81 | 2.817 | -0.993 |
| 116 | 50 | LDR-Unbiased | 3.55 | 3.201 | -0.349 |
| 117 | 50 | LDR-Unbiased | 3.212 | 3.576 | 0.364 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.766 | 3.2 | 3.634 | 0.61377 | 2.766 | 3.2 | 3.634 | 0.61377 | 0 | 0 | 0 | 0 |
| 3 | 2.824 | 3.2717 | 3.81 | 0.33921 | 2.833 | 3.1644 | 3.678 | 0.29642 | -0.977 | -0.1073 | 0.608 | 0.48686 |
| 10 | 2.824 | 3.2717 | 3.81 | 0.33921 | 2.82 | 3.3074 | 3.772 | 0.33454 | -0.73 | 0.0357 | 0.909 | 0.51543 |
| 30 | 2.824 | 3.2717 | 3.81 | 0.33921 | 2.852 | 3.1386 | 3.418 | 0.19911 | -0.949 | -0.1331 | 0.404 | 0.4456 |
| 50 | 2.824 | 3.2717 | 3.81 | 0.33921 | 2.817 | 3.1451 | 3.576 | 0.20521 | -0.993 | -0.1266 | 0.424 | 0.46636 |
| 100 | 2.849 | 3.2754 | 3.6 | 0.25193 | 2.777 | 3.1134 | 3.478 | 0.24655 | -0.676 | -0.162 | 0.248 | 0.36526 |

# Device Test: 5.2 tpd_EN3_SU/EN3/1.6/3/0/0/0/@TPD_EN



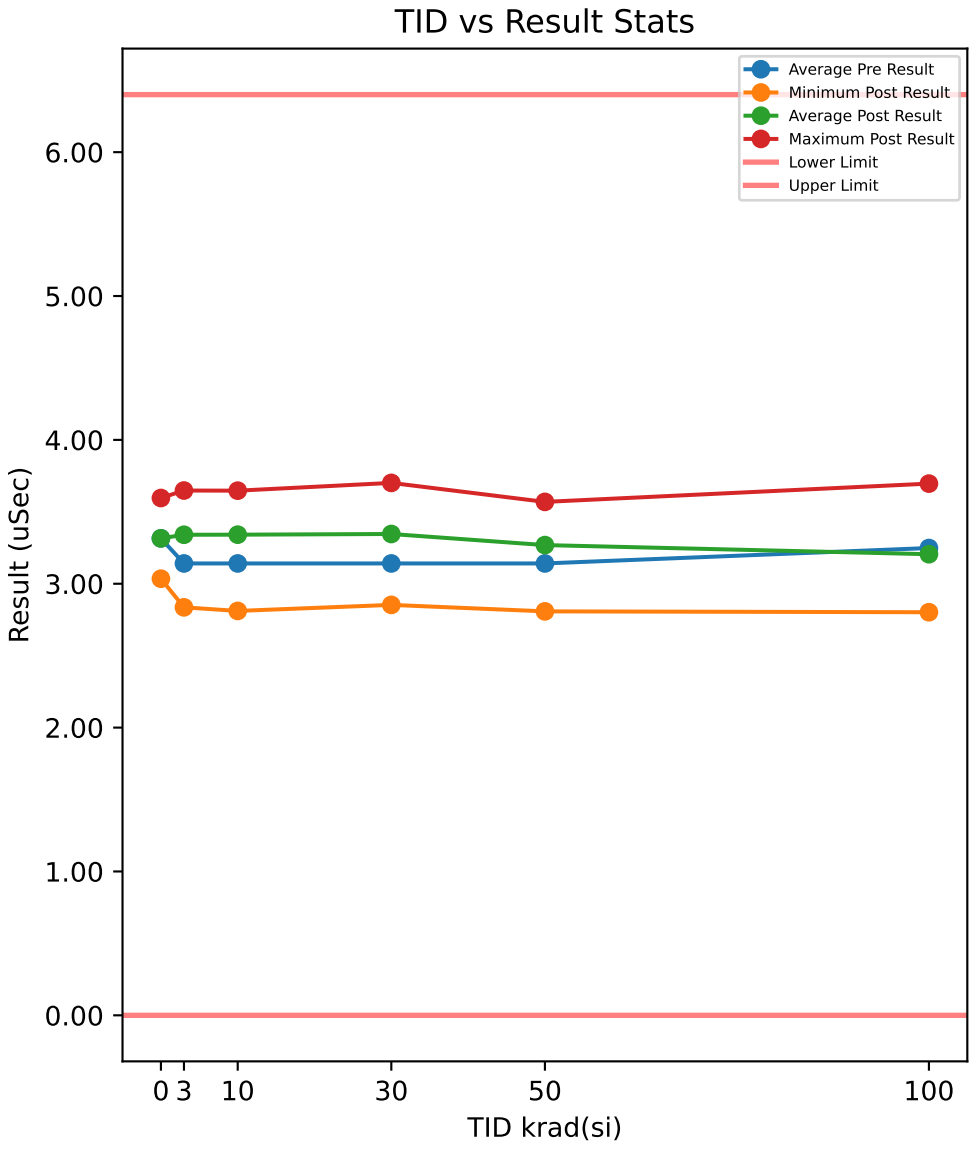

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

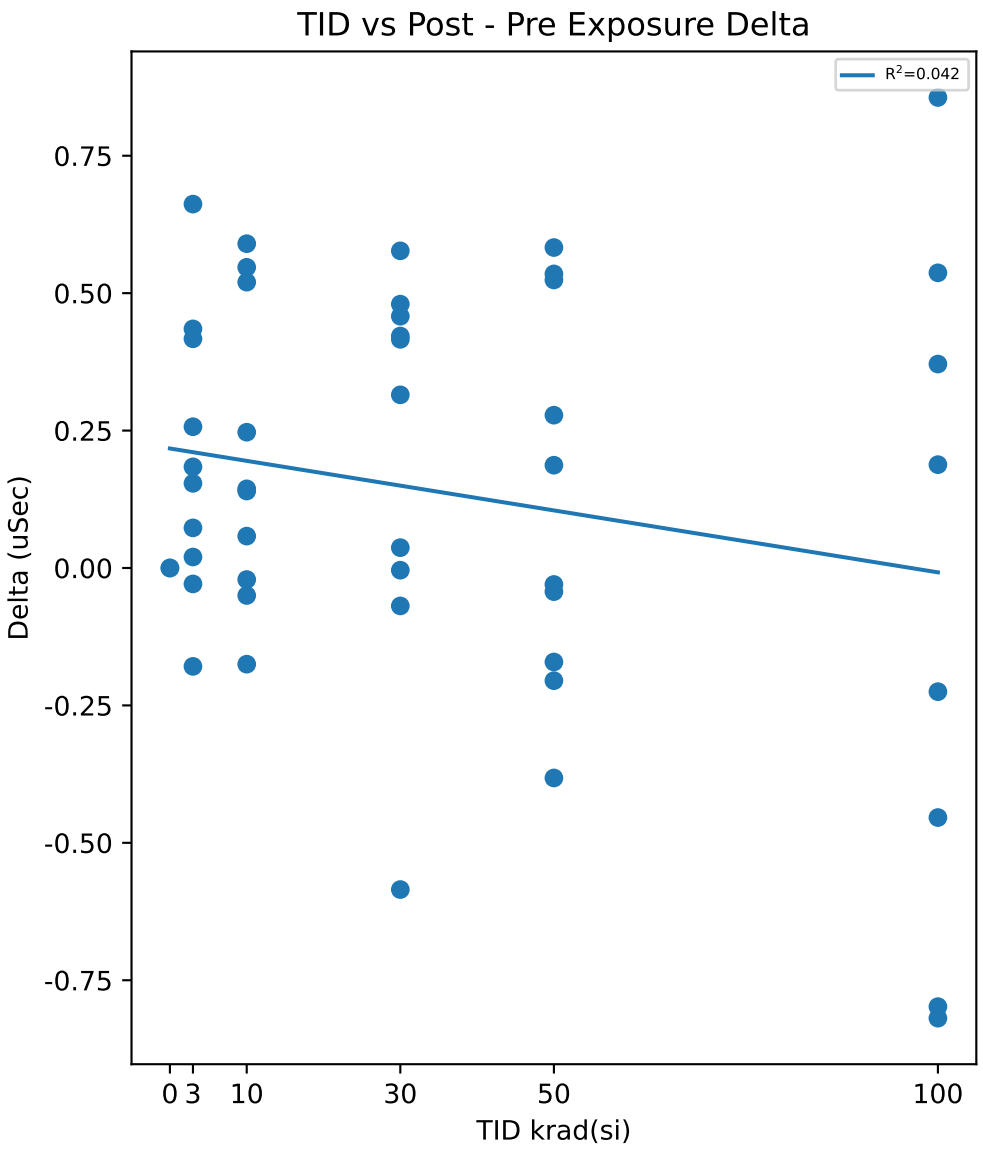
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.87 | 2.87 | 0 |
| 7 | 0 | Correlation | 3.645 | 3.645 | 0 |
| 16 | 3 | LDR-Biased | 3.732 | 3.683 | -0.049 |
| 18 | 3 | LDR-Biased | 3.113 | 2.992 | -0.121 |
| 19 | 3 | LDR-Biased | 3.752 | 3.446 | -0.306 |
| 20 | 3 | LDR-Biased | 2.755 | 3.166 | 0.411 |
| 21 | 3 | LDR-Biased | 2.768 | 3.209 | 0.441 |
| 22 | 3 | LDR-Unbiased | 3.664 | 3.078 | -0.586 |
| 23 | 3 | LDR-Unbiased | 3.453 | 3.618 | 0.165 |
| 25 | 3 | LDR-Unbiased | 3.268 | 3.089 | -0.179 |
| 26 | 3 | LDR-Unbiased | 2.786 | 3.46 | 0.674 |
| 27 | 3 | LDR-Unbiased | 2.976 | 3.671 | 0.695 |
| 46 | 10 | LDR-Biased | 3.732 | 2.84 | -0.892 |
| 48 | 10 | LDR-Biased | 3.113 | 3.67 | 0.557 |
| 49 | 10 | LDR-Biased | 3.752 | 2.926 | -0.826 |
| 50 | 10 | LDR-Biased | 2.755 | 3.604 | 0.849 |
| 51 | 10 | LDR-Biased | 2.768 | 3.359 | 0.591 |
| 52 | 10 | LDR-Unbiased | 3.664 | 3.011 | -0.653 |
| 53 | 10 | LDR-Unbiased | 3.453 | 3.564 | 0.111 |
| 55 | 10 | LDR-Unbiased | 3.268 | 3.61 | 0.342 |
| 56 | 10 | LDR-Unbiased | 2.786 | 3.364 | 0.578 |
| 57 | 10 | LDR-Unbiased | 2.976 | 3.506 | 0.53 |
| 76 | 30 | LDR-Biased | 3.732 | 3.711 | -0.021 |
| 78 | 30 | LDR-Biased | 3.113 | 2.982 | -0.131 |
| 79 | 30 | LDR-Biased | 3.752 | 3.184 | -0.568 |
| 80 | 30 | LDR-Biased | 2.755 | 3.364 | 0.609 |
| 81 | 30 | LDR-Biased | 2.768 | 2.853 | 0.085 |
| 82 | 30 | LDR-Unbiased | 3.664 | 2.747 | -0.917 |
| 83 | 30 | LDR-Unbiased | 3.453 | 3.44 | -0.013 |
| 84 | 30 | LDR-Unbiased | 2.976 | 3.316 | 0.34 |
| 85 | 30 | LDR-Unbiased | 3.268 | 3.622 | 0.354 |
| 86 | 30 | LDR-Unbiased | 2.786 | 3.362 | 0.576 |
| 87 | 100 | LDR-Biased | 3.33 | 2.919 | -0.411 |
| 88 | 100 | LDR-Biased | 3.233 | 2.903 | -0.33 |
| 90 | 100 | LDR-Biased | 3.075 | 2.76 | -0.315 |
| 91 | 100 | LDR-Unbiased | 3.009 | 2.944 | -0.065 |
| 93 | 100 | LDR-Unbiased | 3.527 | 3.419 | -0.108 |
| 94 | 100 | LDR-Unbiased | 3.696 | 3.328 | -0.368 |
| 95 | 100 | LDR-Unbiased | 2.915 | 3.227 | 0.312 |
| 96 | 100 | LDR-Unbiased | 3.65 | 3.328 | -0.322 |
| 106 | 50 | LDR-Biased | 3.732 | 3.607 | -0.125 |
| 108 | 50 | LDR-Biased | 3.113 | 3.63 | 0.517 |
| 109 | 50 | LDR-Biased | 3.752 | 3.578 | -0.174 |
| 110 | 50 | LDR-Biased | 2.755 | 3.35 | 0.595 |
| 111 | 50 | LDR-Biased | 2.768 | 3.3 | 0.532 |
| 112 | 50 | LDR-Unbiased | 3.664 | 3.438 | -0.226 |
| 113 | 50 | LDR-Unbiased | 3.453 | 3.379 | -0.074 |
| 115 | 50 | LDR-Unbiased | 3.268 | 3.596 | 0.328 |
| 116 | 50 | LDR-Unbiased | 2.786 | 2.885 | 0.099 |
| 117 | 50 | LDR-Unbiased | 2.976 | 3.149 | 0.173 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.87 | 3.2575 | 3.645 | 0.54801 | 2.87 | 3.2575 | 3.645 | 0.54801 | 0 | 0 | 0 | 0 |
| 3 | 2.755 | 3.2267 | 3.752 | 0.40529 | 2.992 | 3.3412 | 3.683 | 0.26464 | -0.586 | 0.1145 | 0.695 | 0.43243 |
| 10 | 2.755 | 3.2267 | 3.752 | 0.40529 | 2.84 | 3.3454 | 3.67 | 0.30903 | -0.892 | 0.1187 | 0.849 | 0.65727 |
| 30 | 2.755 | 3.2267 | 3.752 | 0.40529 | 2.747 | 3.2581 | 3.711 | 0.31676 | -0.917 | 0.0314 | 0.609 | 0.48559 |
| 50 | 2.755 | 3.2267 | 3.752 | 0.40529 | 2.885 | 3.3912 | 3.63 | 0.23751 | -0.226 | 0.1645 | 0.595 | 0.31332 |
| 100 | 2.915 | 3.3044 | 3.696 | 0.29752 | 2.76 | 3.1035 | 3.419 | 0.24879 | -0.411 | -0.20088 | 0.312 | 0.241 |

# Device Test: 5.20 tpd_EN3_SD/EN3/1.6/14/0/0/0/@TPD_EN



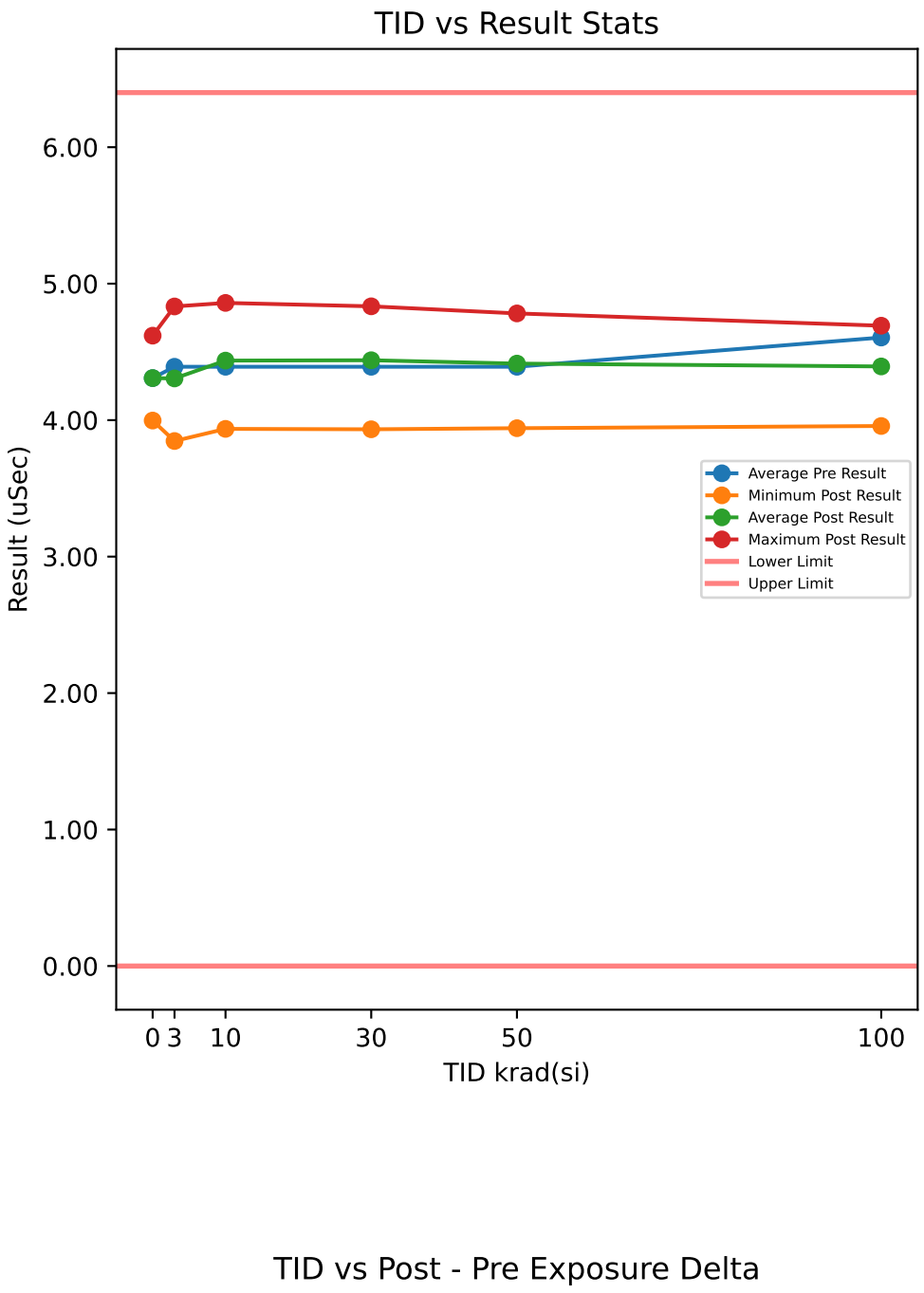

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

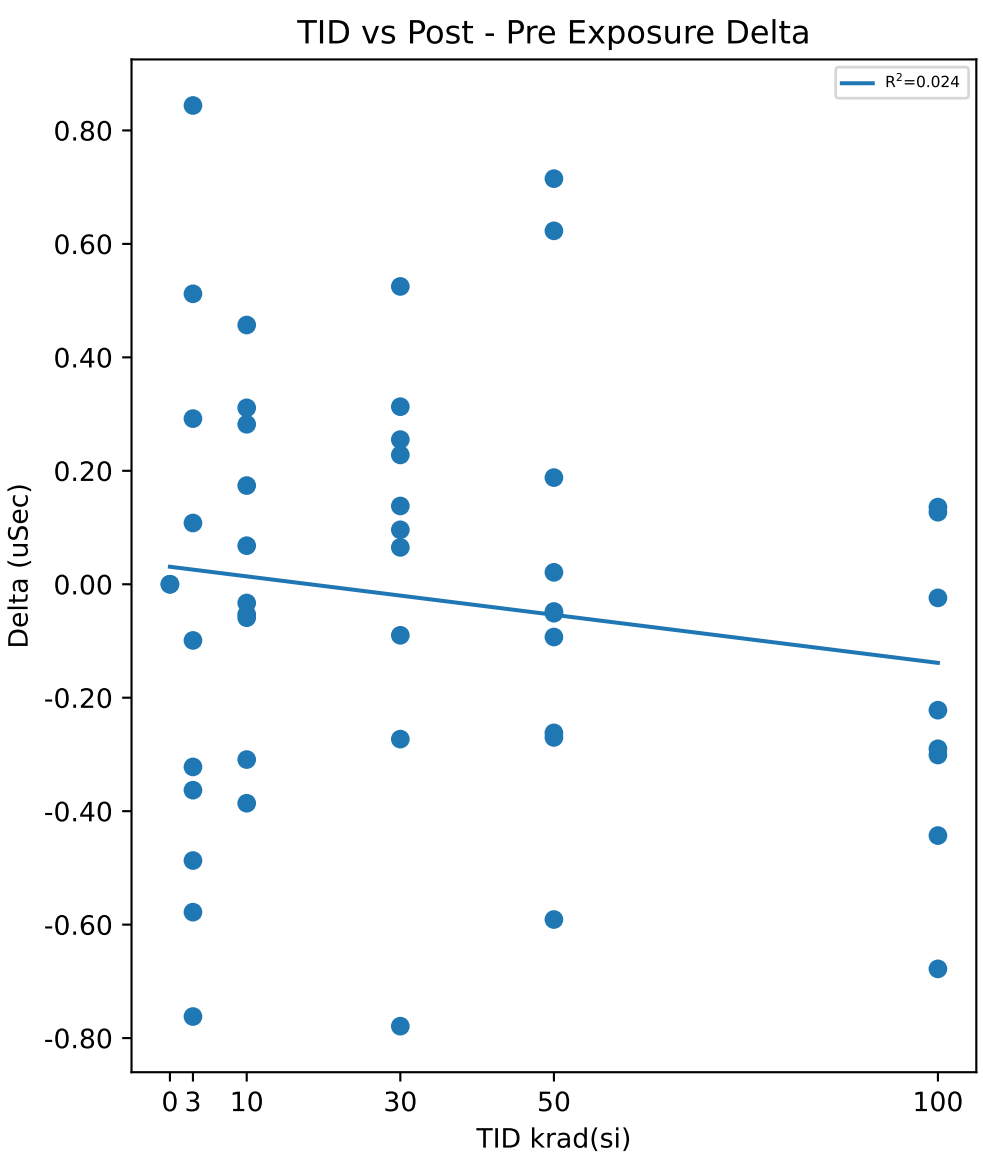
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.035 | 3.035 | 0 |
| 7 | 0 | Correlation | 3.596 | 3.596 | 0 |
| 16 | 3 | LDR-Biased | 3.507 | 3.328 | -0.179 |
| 18 | 3 | LDR-Biased | 3.241 | 3.425 | 0.184 |
| 19 | 3 | LDR-Biased | 3.013 | 3.086 | 0.073 |
| 20 | 3 | LDR-Biased | 3.088 | 3.523 | 0.435 |
| 21 | 3 | LDR-Biased | 2.922 | 2.942 | 0.02 |
| 22 | 3 | LDR-Unbiased | 3.285 | 3.542 | 0.257 |
| 23 | 3 | LDR-Unbiased | 3.051 | 3.468 | 0.417 |
| 25 | 3 | LDR-Unbiased | 3.453 | 3.607 | 0.154 |
| 26 | 3 | LDR-Unbiased | 2.865 | 2.836 | -0.029 |
| 27 | 3 | LDR-Unbiased | 2.986 | 3.648 | 0.662 |
| 46 | 10 | LDR-Biased | 3.507 | 3.647 | 0.14 |
| 48 | 10 | LDR-Biased | 3.241 | 3.191 | -0.05 |
| 49 | 10 | LDR-Biased | 3.013 | 3.157 | 0.144 |
| 50 | 10 | LDR-Biased | 3.088 | 3.067 | -0.021 |
| 51 | 10 | LDR-Biased | 2.922 | 3.512 | 0.59 |
| 52 | 10 | LDR-Unbiased | 3.285 | 3.532 | 0.247 |
| 53 | 10 | LDR-Unbiased | 3.051 | 3.598 | 0.547 |
| 55 | 10 | LDR-Unbiased | 3.453 | 3.511 | 0.058 |
| 56 | 10 | LDR-Unbiased | 2.865 | 3.385 | 0.52 |
| 57 | 10 | LDR-Unbiased | 2.986 | 2.811 | -0.175 |
| 76 | 30 | LDR-Biased | 3.507 | 2.922 | -0.585 |
| 78 | 30 | LDR-Biased | 3.241 | 3.663 | 0.422 |
| 79 | 30 | LDR-Biased | 3.013 | 3.471 | 0.458 |
| 80 | 30 | LDR-Biased | 3.088 | 3.403 | 0.315 |
| 81 | 30 | LDR-Biased | 2.922 | 2.853 | -0.069 |
| 82 | 30 | LDR-Unbiased | 3.285 | 3.701 | 0.416 |
| 83 | 30 | LDR-Unbiased | 3.051 | 3.531 | 0.48 |
| 84 | 30 | LDR-Unbiased | 2.986 | 3.023 | 0.037 |
| 85 | 30 | LDR-Unbiased | 3.453 | 3.449 | -0.004 |
| 86 | 30 | LDR-Unbiased | 2.865 | 3.442 | 0.577 |
| 87 | 100 | LDR-Biased | 3.325 | 3.696 | 0.371 |
| 88 | 100 | LDR-Biased | 2.753 | 3.29 | 0.537 |
| 90 | 100 | LDR-Biased | 3.58 | 3.126 | -0.454 |
| 91 | 100 | LDR-Unbiased | 3.302 | 3.077 | -0.225 |
| 93 | 100 | LDR-Unbiased | 2.741 | 3.597 | 0.856 |
| 94 | 100 | LDR-Unbiased | 2.997 | 3.185 | 0.188 |
| 95 | 100 | LDR-Unbiased | 3.6 | 2.802 | -0.798 |
| 96 | 100 | LDR-Unbiased | 3.688 | 2.869 | -0.819 |
| 106 | 50 | LDR-Biased | 3.507 | 3.125 | -0.382 |
| 108 | 50 | LDR-Biased | 3.241 | 3.519 | 0.278 |
| 109 | 50 | LDR-Biased | 3.013 | 2.808 | -0.205 |
| 110 | 50 | LDR-Biased | 3.088 | 2.917 | -0.171 |
| 111 | 50 | LDR-Biased | 2.922 | 3.457 | 0.535 |
| 112 | 50 | LDR-Unbiased | 3.285 | 3.242 | -0.043 |
| 113 | 50 | LDR-Unbiased | 3.051 | 3.238 | 0.187 |
| 115 | 50 | LDR-Unbiased | 3.453 | 3.423 | -0.03 |
| 116 | 50 | LDR-Unbiased | 2.865 | 3.389 | 0.524 |
| 117 | 50 | LDR-Unbiased | 2.986 | 3.569 | 0.583 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.035 | 3.3155 | 3.596 | 0.39669 | 3.035 | 3.3155 | 3.596 | 0.39669 | 0 | 0 | 0 | 0 |
| 3 | 2.865 | 3.1411 | 3.507 | 0.22048 | 2.836 | 3.3405 | 3.648 | 0.28696 | -0.179 | 0.1994 | 0.662 | 0.25077 |
| 10 | 2.865 | 3.1411 | 3.507 | 0.22048 | 2.811 | 3.3411 | 3.647 | 0.27255 | -0.175 | 0.2 | 0.59 | 0.26998 |
| 30 | 2.865 | 3.1411 | 3.507 | 0.22048 | 2.853 | 3.3458 | 3.701 | 0.30306 | -0.585 | 0.2047 | 0.577 | 0.3579 |
| 50 | 2.865 | 3.1411 | 3.507 | 0.22048 | 2.808 | 3.2687 | 3.569 | 0.25491 | -0.382 | 0.1276 | 0.583 | 0.34481 |
| 100 | 2.741 | 3.2483 | 3.688 | 0.37828 | 2.802 | 3.2052 | 3.696 | 0.3163 | -0.819 | -0.043 | 0.856 | 0.62605 |

# Device Test: 5.21 tpd_EN4_SD/EN4/1.6/14/0/0/0/@TPD_EN



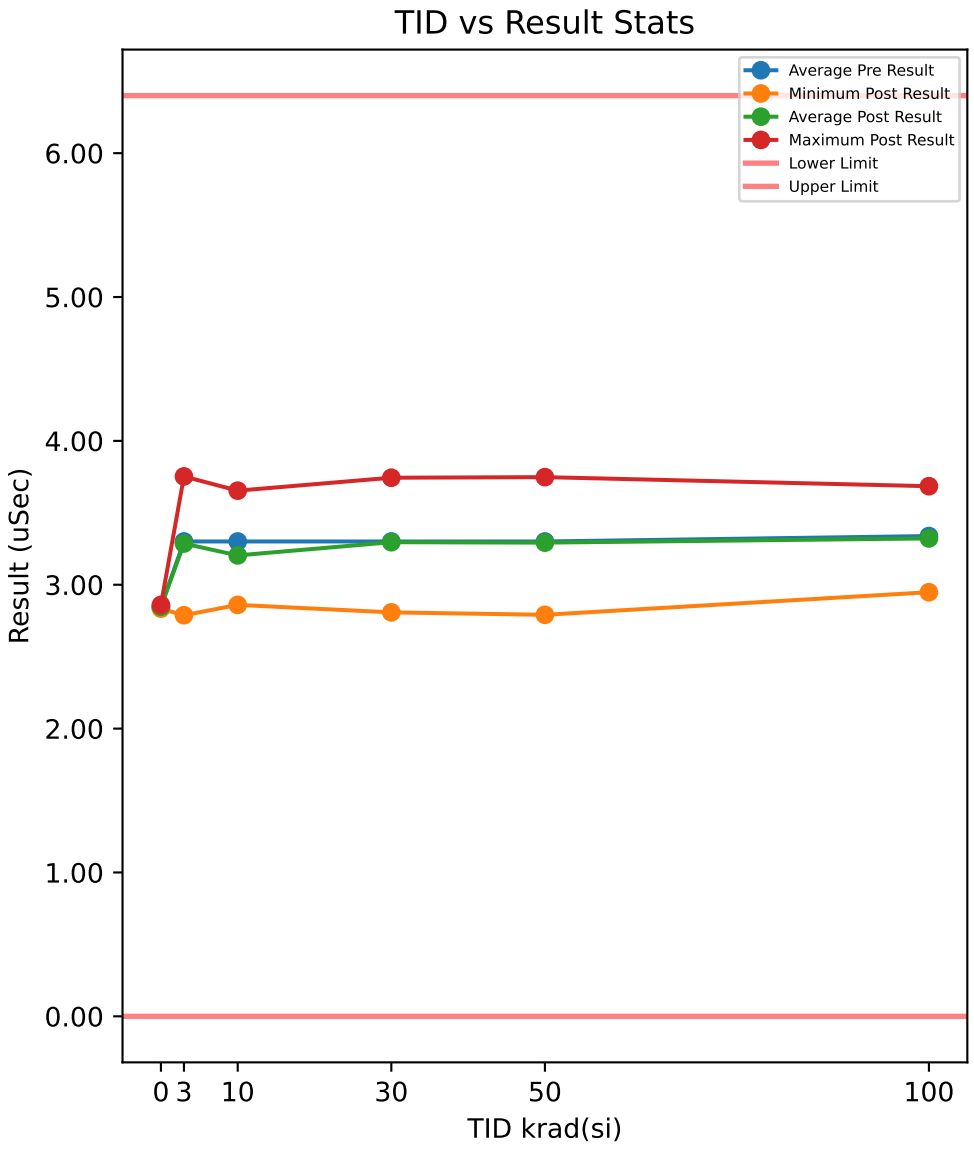

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

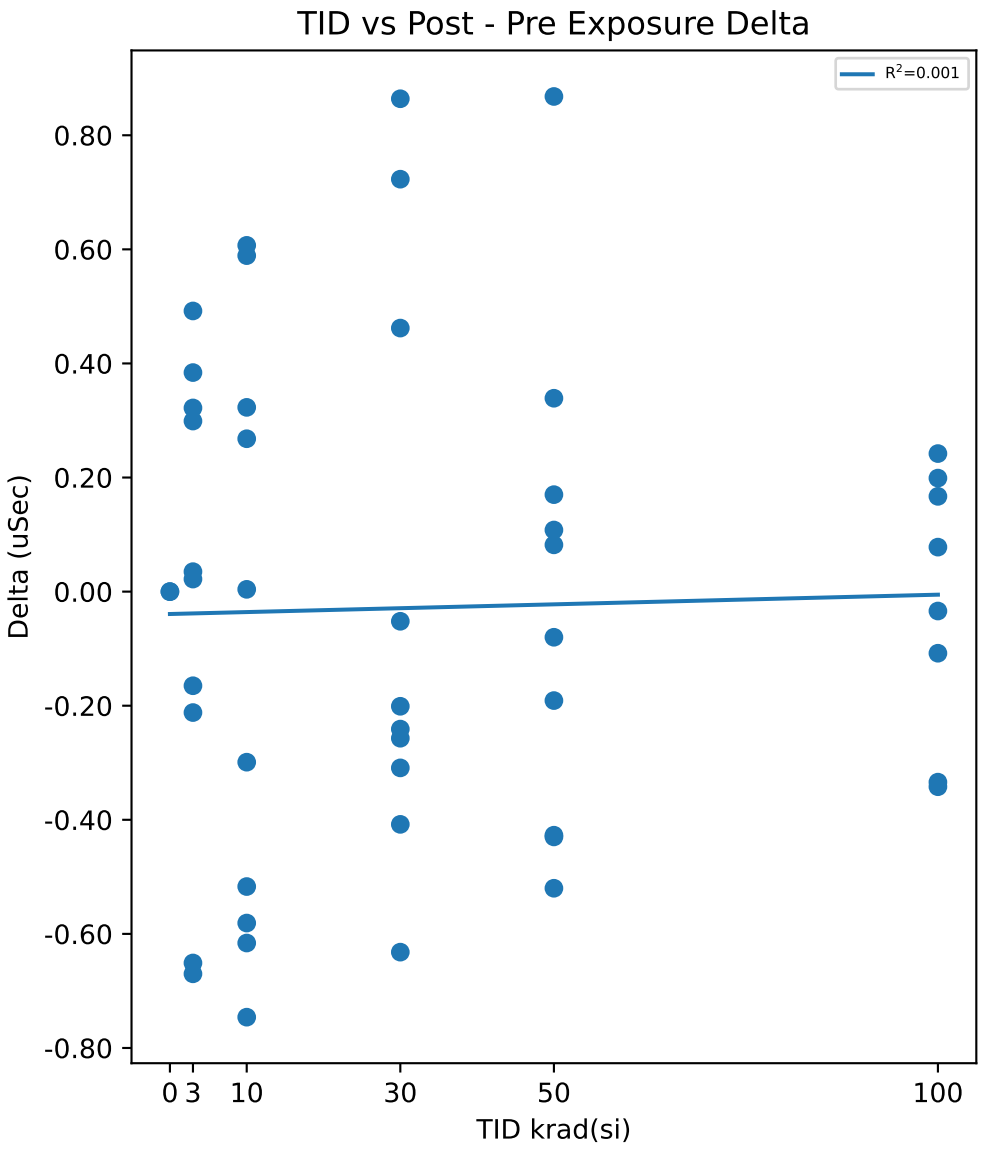
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 4.619 | 4.619 | 0 |
| 7 | 0 | Correlation | 3.997 | 3.997 | 0 |
| 16 | 3 | LDR-Biased | 4.685 | 4.107 | -0.578 |
| 18 | 3 | LDR-Biased | 3.946 | 3.847 | -0.099 |
| 19 | 3 | LDR-Biased | 4.521 | 4.158 | -0.363 |
| 20 | 3 | LDR-Biased | 4.12 | 4.632 | 0.512 |
| 21 | 3 | LDR-Biased | 3.989 | 4.833 | 0.844 |
| 22 | 3 | LDR-Unbiased | 4.381 | 4.059 | -0.322 |
| 23 | 3 | LDR-Unbiased | 4.535 | 4.827 | 0.292 |
| 25 | 3 | LDR-Unbiased | 4.712 | 4.225 | -0.487 |
| 26 | 3 | LDR-Unbiased | 4.159 | 4.267 | 0.108 |
| 27 | 3 | LDR-Unbiased | 4.863 | 4.101 | -0.762 |
| 46 | 10 | LDR-Biased | 4.685 | 4.859 | 0.174 |
| 48 | 10 | LDR-Biased | 3.946 | 4.228 | 0.282 |
| 49 | 10 | LDR-Biased | 4.521 | 4.488 | -0.033 |
| 50 | 10 | LDR-Biased | 4.12 | 4.431 | 0.311 |
| 51 | 10 | LDR-Biased | 3.989 | 3.936 | -0.053 |
| 52 | 10 | LDR-Unbiased | 4.381 | 4.072 | -0.309 |
| 53 | 10 | LDR-Unbiased | 4.535 | 4.603 | 0.068 |
| 55 | 10 | LDR-Unbiased | 4.712 | 4.326 | -0.386 |
| 56 | 10 | LDR-Unbiased | 4.159 | 4.616 | 0.457 |
| 57 | 10 | LDR-Unbiased | 4.863 | 4.804 | -0.059 |
| 76 | 30 | LDR-Biased | 4.685 | 4.781 | 0.096 |
| 78 | 30 | LDR-Biased | 3.946 | 4.471 | 0.525 |
| 79 | 30 | LDR-Biased | 4.521 | 4.834 | 0.313 |
| 80 | 30 | LDR-Biased | 4.12 | 4.348 | 0.228 |
| 81 | 30 | LDR-Biased | 3.989 | 4.244 | 0.255 |
| 82 | 30 | LDR-Unbiased | 4.381 | 4.519 | 0.138 |
| 83 | 30 | LDR-Unbiased | 4.535 | 4.6 | 0.065 |
| 84 | 30 | LDR-Unbiased | 4.863 | 4.59 | -0.273 |
| 85 | 30 | LDR-Unbiased | 4.712 | 3.933 | -0.779 |
| 86 | 30 | LDR-Unbiased | 4.159 | 4.069 | -0.09 |
| 87 | 100 | LDR-Biased | 4.849 | 4.559 | -0.29 |
| 88 | 100 | LDR-Biased | 4.6 | 4.378 | -0.222 |
| 90 | 100 | LDR-Biased | 4.84 | 4.539 | -0.301 |
| 91 | 100 | LDR-Unbiased | 4.659 | 4.216 | -0.443 |
| 93 | 100 | LDR-Unbiased | 4.317 | 4.293 | -0.024 |
| 94 | 100 | LDR-Unbiased | 4.635 | 3.957 | -0.678 |
| 95 | 100 | LDR-Unbiased | 4.556 | 4.692 | 0.136 |
| 96 | 100 | LDR-Unbiased | 4.387 | 4.514 | 0.127 |
| 106 | 50 | LDR-Biased | 4.685 | 4.094 | -0.591 |
| 108 | 50 | LDR-Biased | 3.946 | 4.661 | 0.715 |
| 109 | 50 | LDR-Biased | 4.521 | 4.47 | -0.051 |
| 110 | 50 | LDR-Biased | 4.12 | 4.141 | 0.021 |
| 111 | 50 | LDR-Biased | 3.989 | 3.941 | -0.048 |
| 112 | 50 | LDR-Unbiased | 4.381 | 4.111 | -0.27 |
| 113 | 50 | LDR-Unbiased | 4.535 | 4.723 | 0.188 |
| 115 | 50 | LDR-Unbiased | 4.712 | 4.45 | -0.262 |
| 116 | 50 | LDR-Unbiased | 4.159 | 4.782 | 0.623 |
| 117 | 50 | LDR-Unbiased | 4.863 | 4.77 | -0.093 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.997 | 4.308 | 4.619 | 0.43982 | 3.997 | 4.308 | 4.619 | 0.43982 | 0 | 0 | 0 | 0 |
| 3 | 3.946 | 4.3911 | 4.863 | 0.32264 | 3.847 | 4.3056 | 4.833 | 0.33973 | -0.762 | -0.0855 | 0.844 | 0.51591 |
| 10 | 3.946 | 4.3911 | 4.863 | 0.32264 | 3.936 | 4.4363 | 4.859 | 0.30097 | -0.386 | 0.0452 | 0.457 | 0.26904 |
| 30 | 3.946 | 4.3911 | 4.863 | 0.32264 | 3.933 | 4.4389 | 4.834 | 0.29219 | -0.779 | 0.0478 | 0.525 | 0.36358 |
| 50 | 3.946 | 4.3911 | 4.863 | 0.32264 | 3.941 | 4.4143 | 4.782 | 0.31895 | -0.591 | 0.0232 | 0.715 | 0.39918 |
| 100 | 4.317 | 4.6054 | 4.849 | 0.18954 | 3.957 | 4.3935 | 4.692 | 0.23439 | -0.678 | -0.21187 | 0.136 | 0.28183 |

# Device Test: 5.22 tpd_SEQ_SD/SEQ_DONE/1.6/14/0/0/0/@TPD_SEQ_DONE




## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

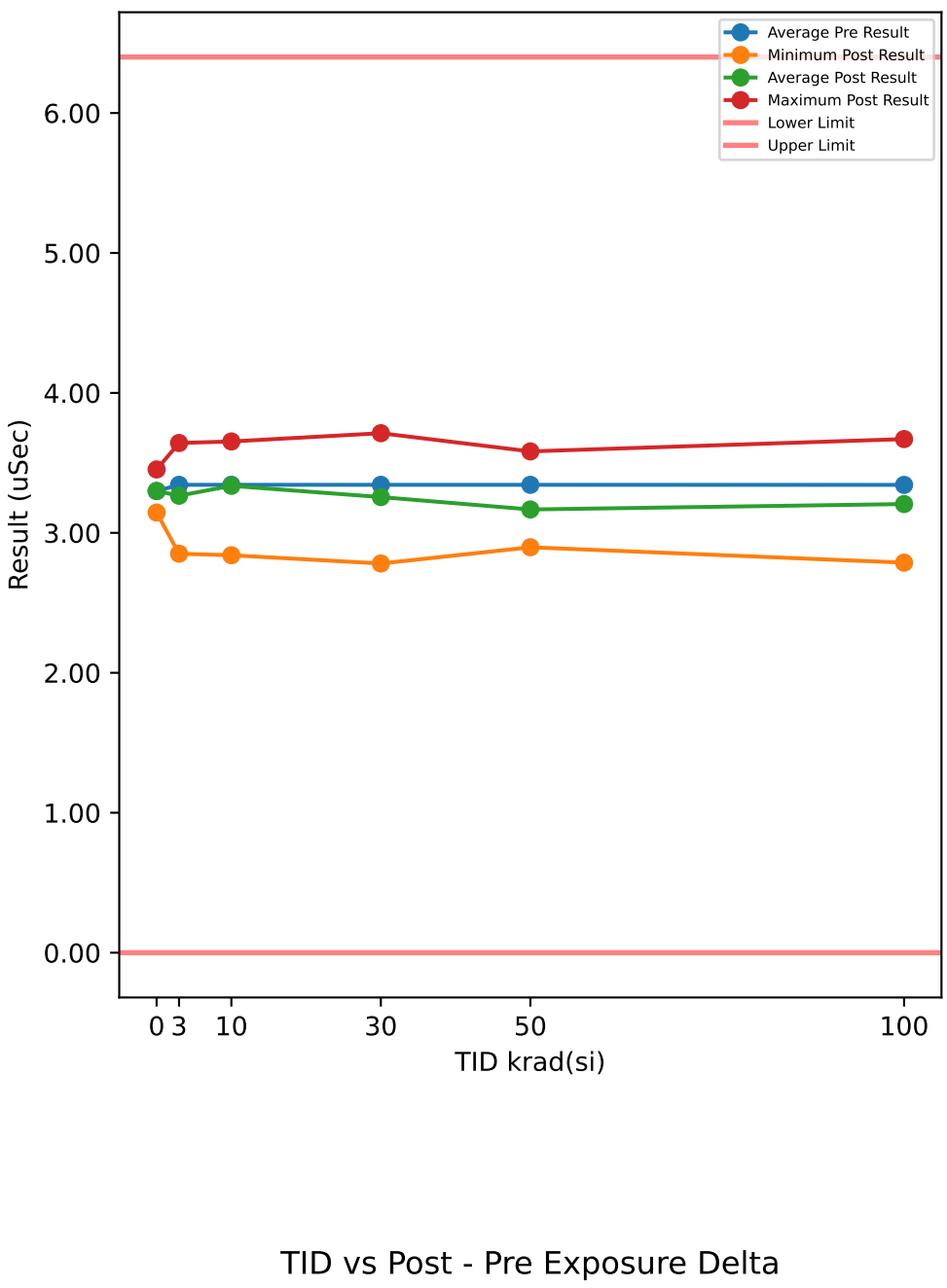
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.834 | 2.834 | 0 |
| 7 | 0 | Correlation | 2.86 | 2.86 | 0 |
| 16 | 3 | LDR-Biased | 3.476 | 3.498 | 0.022 |
| 18 | 3 | LDR-Biased | 3.065 | 3.364 | 0.299 |
| 19 | 3 | LDR-Biased | 3.655 | 3.004 | -0.651 |
| 20 | 3 | LDR-Biased | 2.924 | 3.246 | 0.322 |
| 21 | 3 | LDR-Biased | 2.88 | 3.372 | 0.492 |
| 22 | 3 | LDR-Unbiased | 3.63 | 3.418 | -0.212 |
| 23 | 3 | LDR-Unbiased | 3.458 | 2.788 | -0.67 |
| 25 | 3 | LDR-Unbiased | 3.22 | 3.604 | 0.384 |
| 26 | 3 | LDR-Unbiased | 2.982 | 2.817 | -0.165 |
| 27 | 3 | LDR-Unbiased | 3.718 | 3.753 | 0.035 |
| 46 | 10 | LDR-Biased | 3.476 | 2.86 | -0.616 |
| 48 | 10 | LDR-Biased | 3.065 | 3.654 | 0.589 |
| 49 | 10 | LDR-Biased | 3.655 | 2.909 | -0.746 |
| 50 | 10 | LDR-Biased | 2.924 | 2.928 | 0.004 |
| 51 | 10 | LDR-Biased | 2.88 | 3.487 | 0.607 |
| 52 | 10 | LDR-Unbiased | 3.63 | 3.331 | -0.299 |
| 53 | 10 | LDR-Unbiased | 3.458 | 2.877 | -0.581 |
| 55 | 10 | LDR-Unbiased | 3.22 | 3.488 | 0.268 |
| 56 | 10 | LDR-Unbiased | 2.982 | 3.305 | 0.323 |
| 57 | 10 | LDR-Unbiased | 3.718 | 3.201 | -0.517 |
| 76 | 30 | LDR-Biased | 3.476 | 2.844 | -0.632 |
| 78 | 30 | LDR-Biased | 3.065 | 2.808 | -0.257 |
| 79 | 30 | LDR-Biased | 3.655 | 3.346 | -0.309 |
| 80 | 30 | LDR-Biased | 2.924 | 3.647 | 0.723 |
| 81 | 30 | LDR-Biased | 2.88 | 3.744 | 0.864 |
| 82 | 30 | LDR-Unbiased | 3.63 | 3.578 | -0.052 |
| 83 | 30 | LDR-Unbiased | 3.458 | 3.257 | -0.201 |
| 84 | 30 | LDR-Unbiased | 3.718 | 3.477 | -0.241 |
| 85 | 30 | LDR-Unbiased | 3.22 | 2.812 | -0.408 |
| 86 | 30 | LDR-Unbiased | 2.982 | 3.444 | 0.462 |
| 87 | 100 | LDR-Biased | 3.223 | 3.422 | 0.199 |
| 88 | 100 | LDR-Biased | 3.518 | 3.685 | 0.167 |
| 90 | 100 | LDR-Biased | 3.603 | 3.261 | -0.342 |
| 91 | 100 | LDR-Unbiased | 3.33 | 3.408 | 0.078 |
| 93 | 100 | LDR-Unbiased | 3.017 | 3.259 | 0.242 |
| 94 | 100 | LDR-Unbiased | 3.029 | 2.995 | -0.034 |
| 95 | 100 | LDR-Unbiased | 3.706 | 3.598 | -0.108 |
| 96 | 100 | LDR-Unbiased | 3.282 | 2.948 | -0.334 |
| 106 | 50 | LDR-Biased | 3.476 | 3.046 | -0.43 |
| 108 | 50 | LDR-Biased | 3.065 | 3.404 | 0.339 |
| 109 | 50 | LDR-Biased | 3.655 | 3.135 | -0.52 |
| 110 | 50 | LDR-Biased | 2.924 | 2.844 | -0.08 |
| 111 | 50 | LDR-Biased | 2.88 | 3.748 | 0.868 |
| 112 | 50 | LDR-Unbiased | 3.63 | 3.712 | 0.082 |
| 113 | 50 | LDR-Unbiased | 3.458 | 3.628 | 0.17 |
| 115 | 50 | LDR-Unbiased | 3.22 | 3.328 | 0.108 |
| 116 | 50 | LDR-Unbiased | 2.982 | 2.791 | -0.191 |
| 117 | 50 | LDR-Unbiased | 3.718 | 3.291 | -0.427 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.834 | 2.847 | 2.86 | 0.018385 | 2.834 | 2.847 | 2.86 | 0.018385 | 0 | 0 | 0 | 0 |
| 3 | 2.88 | 3.3008 | 3.718 | 0.32423 | 2.788 | 3.2864 | 3.753 | 0.32389 | -0.67 | -0.0144 | 0.492 | 0.41192 |
| 10 | 2.88 | 3.3008 | 3.718 | 0.32423 | 2.86 | 3.204 | 3.654 | 0.29402 | -0.746 | -0.0968 | 0.607 | 0.51941 |
| 30 | 2.88 | 3.3008 | 3.718 | 0.32423 | 2.808 | 3.2957 | 3.744 | 0.35572 | -0.632 | -0.0051 | 0.864 | 0.50673 |
| 50 | 2.88 | 3.3008 | 3.718 | 0.32423 | 2.791 | 3.2927 | 3.748 | 0.34123 | -0.52 | -0.0081 | 0.868 | 0.42104 |
| 100 | 3.017 | 3.3385 | 3.706 | 0.25439 | 2.948 | 3.322 | 3.685 | 0.26182 | -0.342 | -0.0165 | 0.242 | 0.23031 |

# Device Test: 5.23 tpd_PWRGD_SD/PWRGD/1.6/14/0/0/0/@TPD_PWRGD

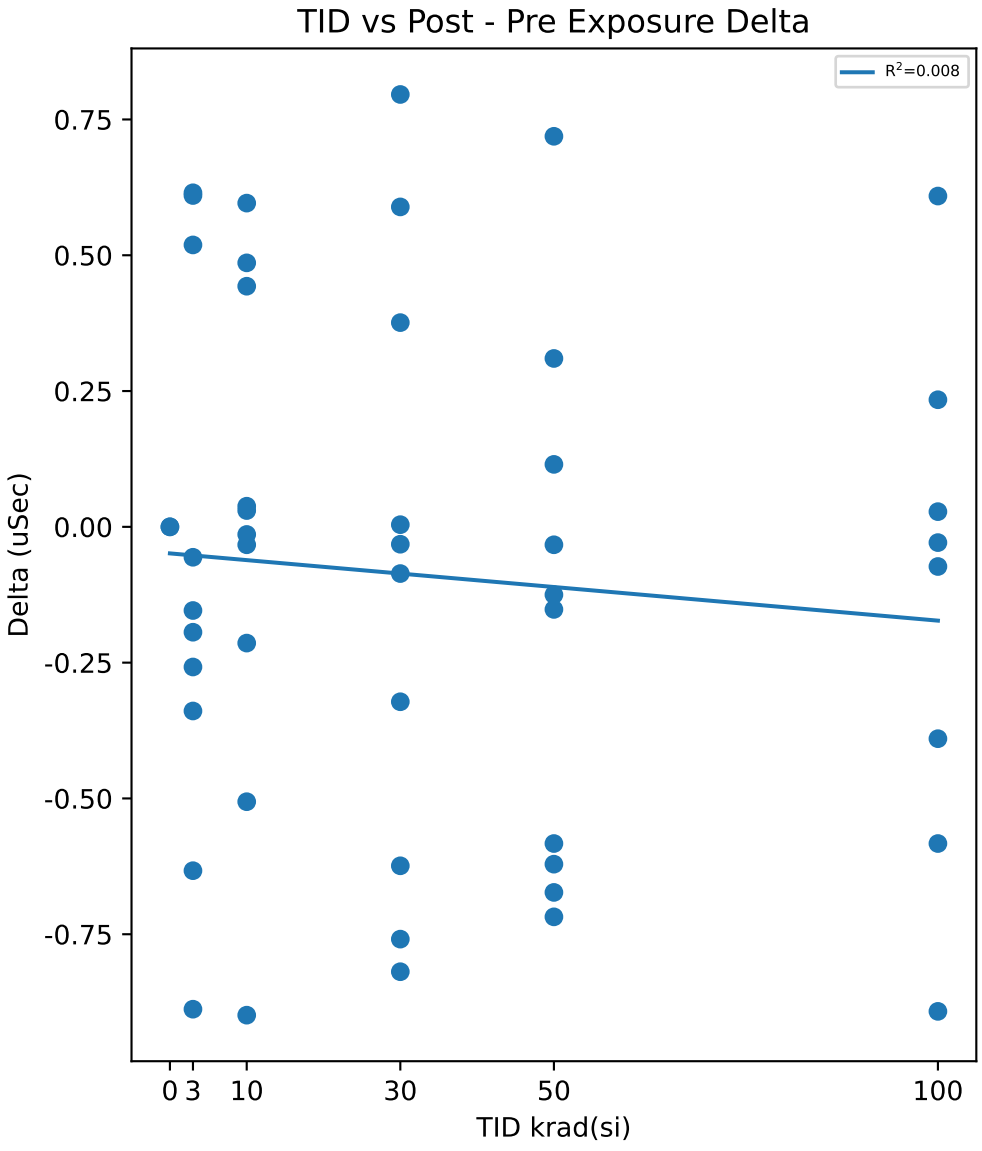
## TID vs Result Stats




## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.453 | 3.453 | 0 |
| 7 | 0 | Correlation | 3.145 | 3.145 | 0 |
| 16 | 3 | LDR-Biased | 2.777 | 3.387 | 0.61 |
| 18 | 3 | LDR-Biased | 3.739 | 2.851 | -0.888 |
| 19 | 3 | LDR-Biased | 2.912 | 3.527 | 0.615 |
| 20 | 3 | LDR-Biased | 3.546 | 3.288 | -0.258 |
| 21 | 3 | LDR-Biased | 3.615 | 2.982 | -0.633 |
| 22 | 3 | LDR-Unbiased | 3.133 | 2.979 | -0.154 |
| 23 | 3 | LDR-Unbiased | 3.521 | 3.465 | -0.056 |
| 25 | 3 | LDR-Unbiased | 3.123 | 3.642 | 0.519 |
| 26 | 3 | LDR-Unbiased | 3.599 | 3.405 | -0.194 |
| 27 | 3 | LDR-Unbiased | 3.467 | 3.128 | -0.339 |
| 46 | 10 | LDR-Biased | 2.777 | 3.373 | 0.596 |
| 48 | 10 | LDR-Biased | 3.739 | 2.84 | -0.899 |
| 49 | 10 | LDR-Biased | 2.912 | 3.398 | 0.486 |
| 50 | 10 | LDR-Biased | 3.546 | 3.576 | 0.03 |
| 51 | 10 | LDR-Biased | 3.615 | 3.653 | 0.038 |
| 52 | 10 | LDR-Unbiased | 3.133 | 3.119 | -0.014 |
| 53 | 10 | LDR-Unbiased | 3.521 | 3.015 | -0.506 |
| 55 | 10 | LDR-Unbiased | 3.123 | 3.566 | 0.443 |
| 56 | 10 | LDR-Unbiased | 3.599 | 3.385 | -0.214 |
| 57 | 10 | LDR-Unbiased | 3.467 | 3.434 | -0.033 |
| 76 | 30 | LDR-Biased | 2.777 | 2.781 | 0.004 |
| 78 | 30 | LDR-Biased | 3.739 | 3.653 | -0.086 |
| 79 | 30 | LDR-Biased | 2.912 | 3.708 | 0.796 |
| 80 | 30 | LDR-Biased | 3.546 | 2.922 | -0.624 |
| 81 | 30 | LDR-Biased | 3.615 | 2.796 | -0.819 |
| 82 | 30 | LDR-Unbiased | 3.133 | 3.509 | 0.376 |
| 83 | 30 | LDR-Unbiased | 3.521 | 3.489 | -0.032 |
| 84 | 30 | LDR-Unbiased | 3.467 | 3.145 | -0.322 |
| 85 | 30 | LDR-Unbiased | 3.123 | 3.712 | 0.589 |
| 86 | 30 | LDR-Unbiased | 3.599 | 2.84 | -0.759 |
| 87 | 100 | LDR-Biased | 3.169 | 3.197 | 0.028 |
| 88 | 100 | LDR-Biased | 3.051 | 3.285 | 0.234 |
| 90 | 100 | LDR-Biased | 3.206 | 3.177 | -0.029 |
| 91 | 100 | LDR-Unbiased | 3.679 | 2.787 | -0.892 |
| 93 | 100 | LDR-Unbiased | 3.497 | 2.914 | -0.583 |
| 94 | 100 | LDR-Unbiased | 3.593 | 3.52 | -0.073 |
| 95 | 100 | LDR-Unbiased | 3.061 | 3.67 | 0.609 |
| 96 | 100 | LDR-Unbiased | 3.486 | 3.096 | -0.39 |
| 106 | 50 | LDR-Biased | 2.777 | 3.496 | 0.719 |
| 108 | 50 | LDR-Biased | 3.739 | 3.156 | -0.583 |
| 109 | 50 | LDR-Biased | 2.912 | 3.222 | 0.31 |
| 110 | 50 | LDR-Biased | 3.546 | 3.513 | -0.033 |
| 111 | 50 | LDR-Biased | 3.615 | 2.897 | -0.718 |
| 112 | 50 | LDR-Unbiased | 3.133 | 2.981 | -0.152 |
| 113 | 50 | LDR-Unbiased | 3.521 | 2.9 | -0.621 |
| 115 | 50 | LDR-Unbiased | 3.123 | 2.998 | -0.125 |
| 116 | 50 | LDR-Unbiased | 3.599 | 2.926 | -0.673 |
| 117 | 50 | LDR-Unbiased | 3.467 | 3.582 | 0.115 |

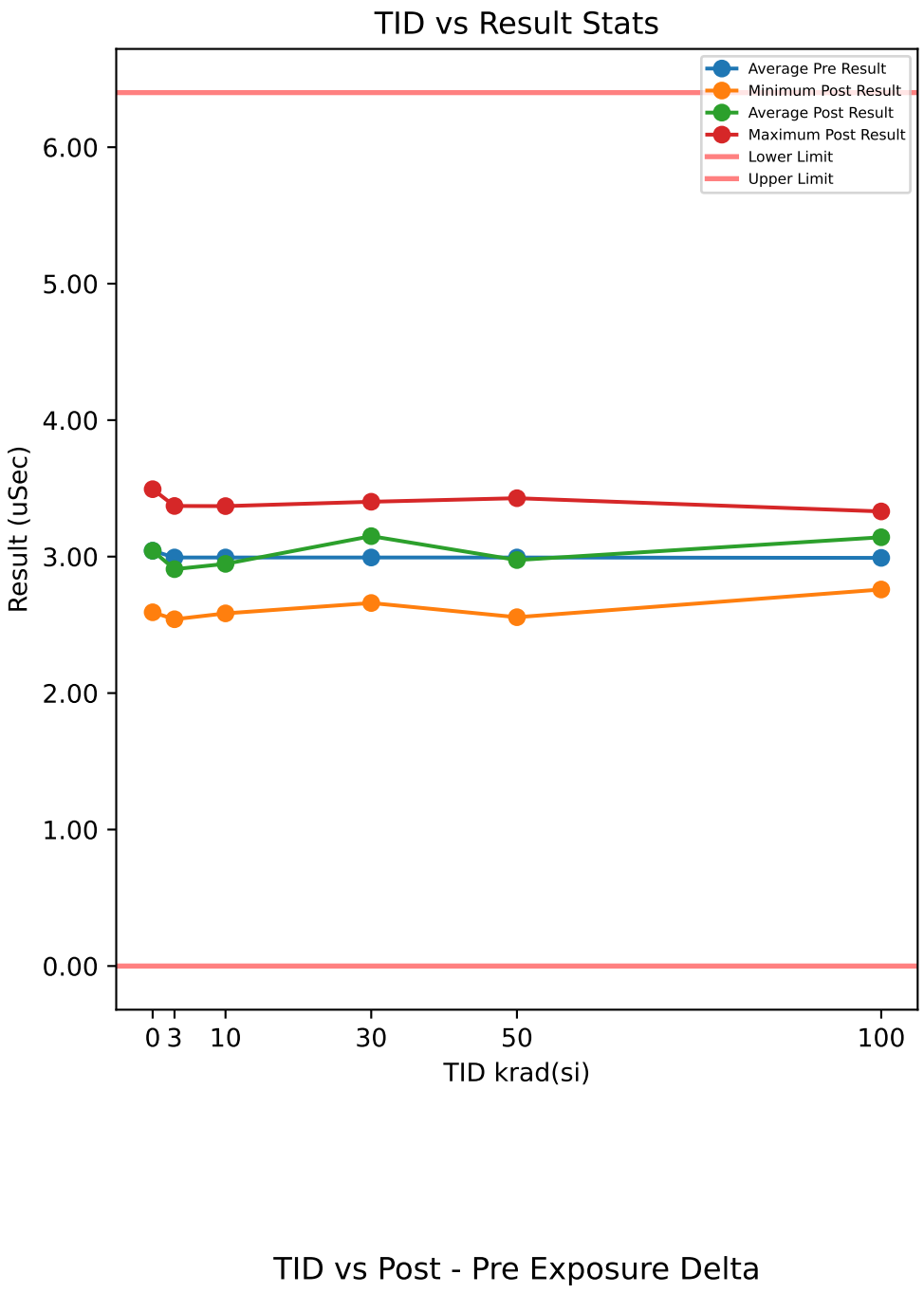
## TID vs Post - Pre Exposure Delta

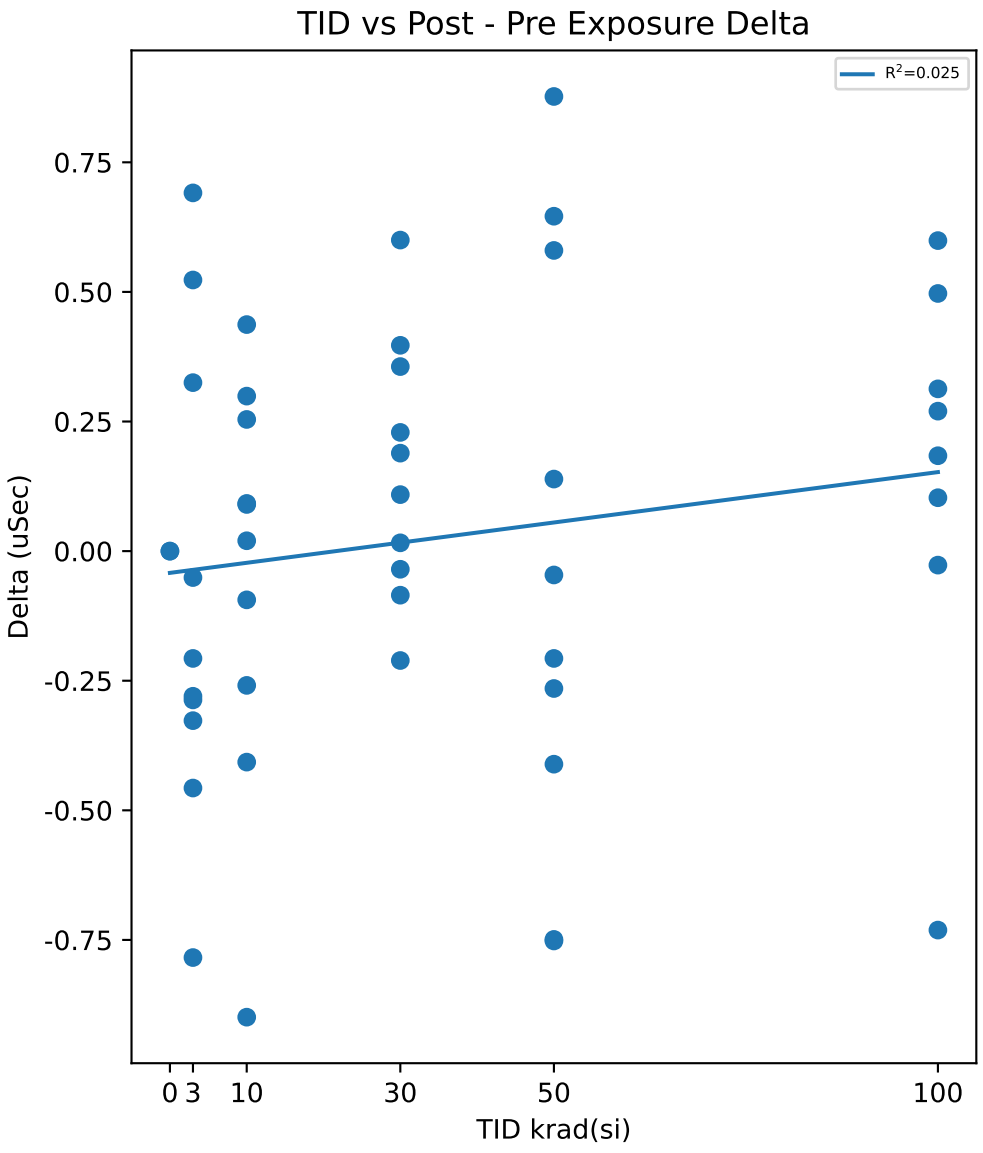



## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.145 | 3.299 | 3.453 | 0.21779 | 3.145 | 3.299 | 3.453 | 0.21779 | 0 | 0 | 0 | 0 |
| 3 | 2.777 | 3.3432 | 3.739 | 0.33053 | 2.851 | 3.2654 | 3.642 | 0.26622 | -0.888 | -0.0778 | 0.615 | 0.51579 |
| 10 | 2.777 | 3.3432 | 3.739 | 0.33053 | 2.84 | 3.3359 | 3.653 | 0.26339 | -0.899 | -0.0073 | 0.596 | 0.45956 |
| 30 | 2.777 | 3.3432 | 3.739 | 0.33053 | 2.781 | 3.2555 | 3.712 | 0.39753 | -0.819 | -0.0877 | 0.796 | 0.55711 |
| 50 | 2.777 | 3.3432 | 3.739 | 0.33053 | 2.897 | 3.1671 | 3.582 | 0.27259 | -0.718 | -0.1761 | 0.719 | 0.47726 |
| 100 | 3.051 | 3.3428 | 3.679 | 0.24882 | 2.787 | 3.2058 | 3.67 | 0.2913 | -0.892 | -0.137 | 0.609 | 0.4736 |

# Device Test: 5.24 tpd_EN1_SU/EN1/7/3/0/0/0/@TPD_EN




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

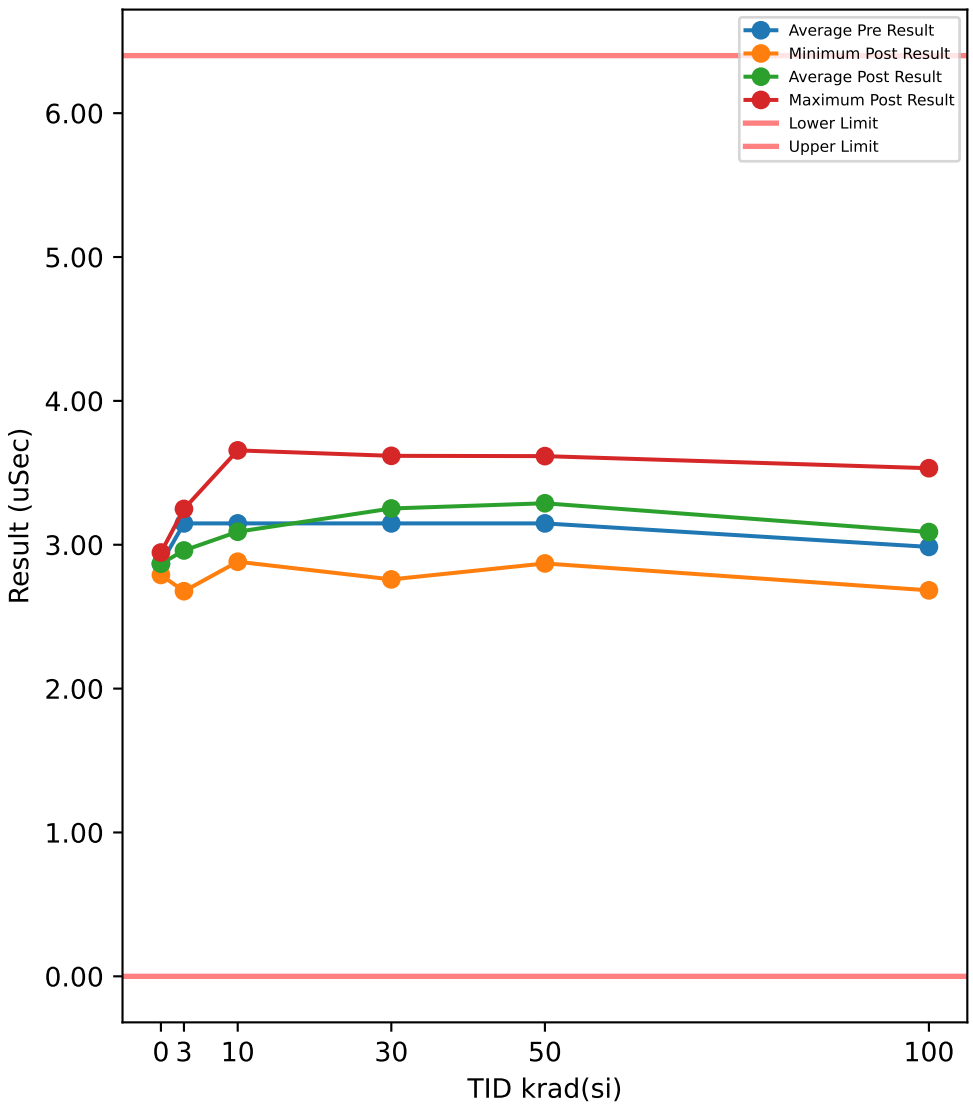
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.592 | 2.592 | 0 |
| 7 | 0 | Correlation | 3.494 | 3.494 | 0 |
| 16 | 3 | LDR-Biased | 3.038 | 2.581 | -0.457 |
| 18 | 3 | LDR-Biased | 2.848 | 3.371 | 0.523 |
| 19 | 3 | LDR-Biased | 2.991 | 2.704 | -0.287 |
| 20 | 3 | LDR-Biased | 2.471 | 3.162 | 0.691 |
| 21 | 3 | LDR-Biased | 3.41 | 3.203 | -0.207 |
| 22 | 3 | LDR-Unbiased | 2.717 | 2.666 | -0.051 |
| 23 | 3 | LDR-Unbiased | 2.802 | 3.127 | 0.325 |
| 25 | 3 | LDR-Unbiased | 3.35 | 2.566 | -0.784 |
| 26 | 3 | LDR-Unbiased | 3.487 | 3.16 | -0.327 |
| 27 | 3 | LDR-Unbiased | 2.821 | 2.541 | -0.28 |
| 46 | 10 | LDR-Biased | 3.038 | 3.13 | 0.092 |
| 48 | 10 | LDR-Biased | 2.848 | 2.589 | -0.259 |
| 49 | 10 | LDR-Biased | 2.991 | 2.584 | -0.407 |
| 50 | 10 | LDR-Biased | 2.471 | 2.77 | 0.299 |
| 51 | 10 | LDR-Biased | 3.41 | 3.316 | -0.094 |
| 52 | 10 | LDR-Unbiased | 2.717 | 2.807 | 0.09 |
| 53 | 10 | LDR-Unbiased | 2.802 | 3.056 | 0.254 |
| 55 | 10 | LDR-Unbiased | 3.35 | 3.37 | 0.02 |
| 56 | 10 | LDR-Unbiased | 3.487 | 2.588 | -0.899 |
| 57 | 10 | LDR-Unbiased | 2.821 | 3.258 | 0.437 |
| 76 | 30 | LDR-Biased | 3.038 | 3.147 | 0.109 |
| 78 | 30 | LDR-Biased | 2.848 | 3.077 | 0.229 |
| 79 | 30 | LDR-Biased | 2.991 | 3.007 | 0.016 |
| 80 | 30 | LDR-Biased | 2.471 | 2.66 | 0.189 |
| 81 | 30 | LDR-Biased | 3.41 | 3.199 | -0.211 |
| 82 | 30 | LDR-Unbiased | 2.717 | 3.073 | 0.356 |
| 83 | 30 | LDR-Unbiased | 2.802 | 3.402 | 0.6 |
| 84 | 30 | LDR-Unbiased | 2.821 | 3.218 | 0.397 |
| 85 | 30 | LDR-Unbiased | 3.35 | 3.315 | -0.035 |
| 86 | 30 | LDR-Unbiased | 3.487 | 3.402 | -0.085 |
| 87 | 100 | LDR-Biased | 2.544 | 3.143 | 0.599 |
| 88 | 100 | LDR-Biased | 3.061 | 3.331 | 0.27 |
| 90 | 100 | LDR-Biased | 3.49 | 2.759 | -0.731 |
| 91 | 100 | LDR-Unbiased | 2.919 | 3.232 | 0.313 |
| 93 | 100 | LDR-Unbiased | 3.239 | 3.212 | -0.027 |
| 94 | 100 | LDR-Unbiased | 2.602 | 3.099 | 0.497 |
| 95 | 100 | LDR-Unbiased | 3.087 | 3.19 | 0.103 |
| 96 | 100 | LDR-Unbiased | 2.984 | 3.168 | 0.184 |
| 106 | 50 | LDR-Biased | 3.038 | 2.992 | -0.046 |
| 108 | 50 | LDR-Biased | 2.848 | 3.428 | 0.58 |
| 109 | 50 | LDR-Biased | 2.991 | 3.13 | 0.139 |
| 110 | 50 | LDR-Biased | 2.471 | 3.348 | 0.877 |
| 111 | 50 | LDR-Biased | 3.41 | 2.999 | -0.411 |
| 112 | 50 | LDR-Unbiased | 2.717 | 3.363 | 0.646 |
| 113 | 50 | LDR-Unbiased | 2.802 | 2.595 | -0.207 |
| 115 | 50 | LDR-Unbiased | 3.35 | 2.601 | -0.749 |
| 116 | 50 | LDR-Unbiased | 3.487 | 2.735 | -0.752 |
| 117 | 50 | LDR-Unbiased | 2.821 | 2.556 | -0.265 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.592 | 3.043 | 3.494 | 0.63781 | 2.592 | 3.043 | 3.494 | 0.63781 | 0 | 0 | 0 | 0 |
| 3 | 2.471 | 2.9935 | 3.487 | 0.33051 | 2.541 | 2.9081 | 3.371 | 0.32251 | -0.784 | -0.0854 | 0.691 | 0.46192 |
| 10 | 2.471 | 2.9935 | 3.487 | 0.33051 | 2.584 | 2.9468 | 3.37 | 0.31569 | -0.899 | -0.0467 | 0.437 | 0.39297 |
| 30 | 2.471 | 2.9935 | 3.487 | 0.33051 | 2.66 | 3.15 | 3.402 | 0.21936 | -0.211 | 0.1565 | 0.6 | 0.24781 |
| 50 | 2.471 | 2.9935 | 3.487 | 0.33051 | 2.556 | 2.9747 | 3.428 | 0.33948 | -0.752 | -0.0188 | 0.877 | 0.57245 |
| 100 | 2.544 | 2.9908 | 3.49 | 0.3119 | 2.759 | 3.1418 | 3.331 | 0.16913 | -0.731 | 0.151 | 0.599 | 0.4095 |

# Device Test: 5.25 tpd_EN2_SU/EN2/7/3/0/0/0/@TPD_EN

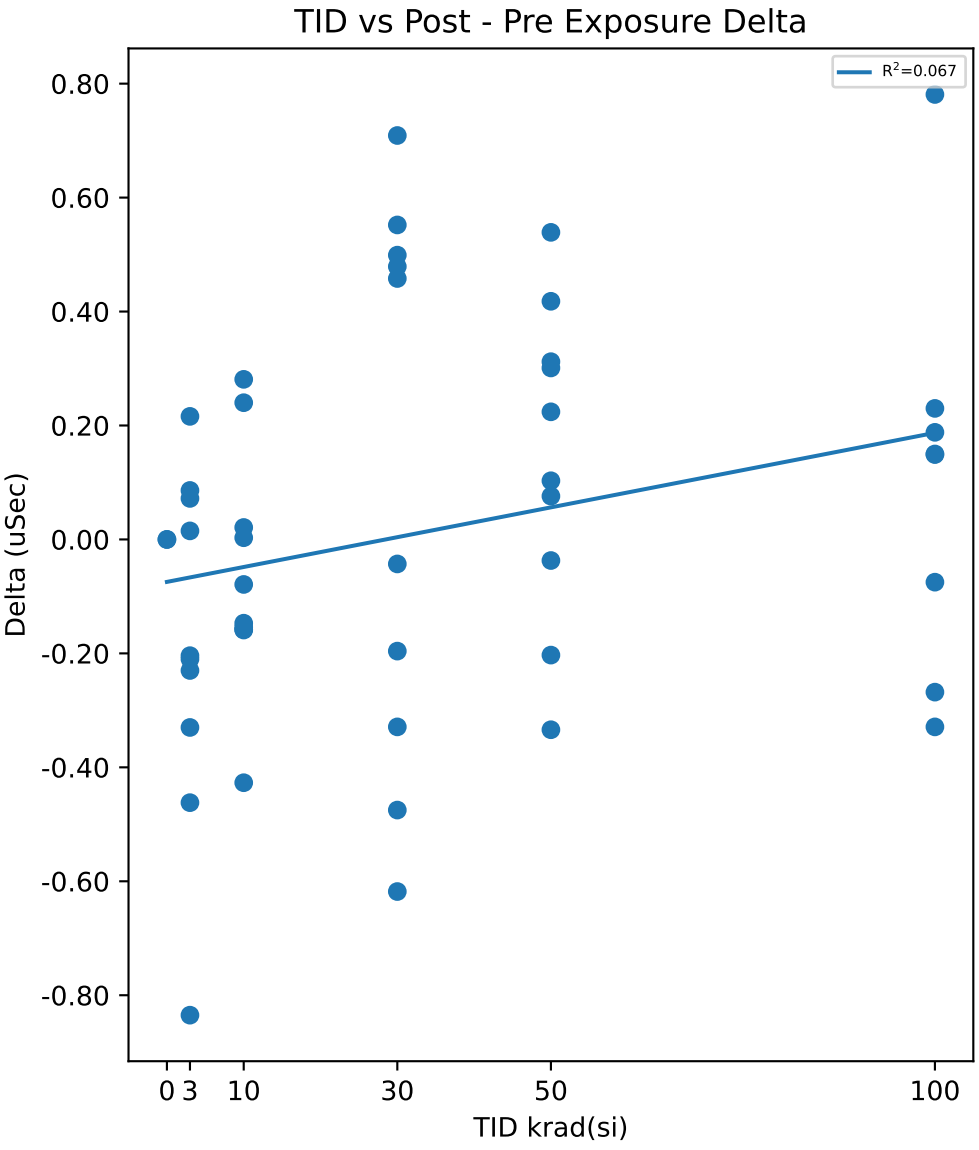
## TID vs Result Stats




## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.946 | 2.946 | 0 |
| 7 | 0 | Correlation | 2.79 | 2.79 | 0 |
| 16 | 3 | LDR-Biased | 3.653 | 2.818 | -0.835 |
| 18 | 3 | LDR-Biased | 3.234 | 3.249 | 0.015 |
| 19 | 3 | LDR-Biased | 2.794 | 2.88 | 0.086 |
| 20 | 3 | LDR-Biased | 3.561 | 3.231 | -0.33 |
| 21 | 3 | LDR-Biased | 3.041 | 2.811 | -0.23 |
| 22 | 3 | LDR-Unbiased | 3.139 | 2.677 | -0.462 |
| 23 | 3 | LDR-Unbiased | 3.098 | 2.888 | -0.21 |
| 25 | 3 | LDR-Unbiased | 2.947 | 3.019 | 0.072 |
| 26 | 3 | LDR-Unbiased | 2.851 | 3.067 | 0.216 |
| 27 | 3 | LDR-Unbiased | 3.166 | 2.962 | -0.204 |
| 46 | 10 | LDR-Biased | 3.653 | 3.656 | 0.003 |
| 48 | 10 | LDR-Biased | 3.234 | 3.155 | -0.079 |
| 49 | 10 | LDR-Biased | 2.794 | 3.034 | 0.24 |
| 50 | 10 | LDR-Biased | 3.561 | 3.134 | -0.427 |
| 51 | 10 | LDR-Biased | 3.041 | 2.882 | -0.159 |
| 52 | 10 | LDR-Unbiased | 3.139 | 2.981 | -0.158 |
| 53 | 10 | LDR-Unbiased | 3.098 | 2.951 | -0.147 |
| 55 | 10 | LDR-Unbiased | 2.947 | 2.968 | 0.021 |
| 56 | 10 | LDR-Unbiased | 2.851 | 3.132 | 0.281 |
| 57 | 10 | LDR-Unbiased | 3.166 | 3.012 | -0.154 |
| 76 | 30 | LDR-Biased | 3.653 | 3.035 | -0.618 |
| 78 | 30 | LDR-Biased | 3.234 | 2.759 | -0.475 |
| 79 | 30 | LDR-Biased | 2.794 | 3.252 | 0.458 |
| 80 | 30 | LDR-Biased | 3.561 | 3.232 | -0.329 |
| 81 | 30 | LDR-Biased | 3.041 | 3.54 | 0.499 |
| 82 | 30 | LDR-Unbiased | 3.139 | 3.618 | 0.479 |
| 83 | 30 | LDR-Unbiased | 3.098 | 2.902 | -0.196 |
| 84 | 30 | LDR-Unbiased | 3.166 | 3.123 | -0.043 |
| 85 | 30 | LDR-Unbiased | 2.947 | 3.499 | 0.552 |
| 86 | 30 | LDR-Unbiased | 2.851 | 3.56 | 0.709 |
| 87 | 100 | LDR-Biased | 2.978 | 2.71 | -0.268 |
| 88 | 100 | LDR-Biased | 2.688 | 2.918 | 0.23 |
| 90 | 100 | LDR-Biased | 2.758 | 2.683 | -0.075 |
| 91 | 100 | LDR-Unbiased | 2.701 | 2.889 | 0.188 |
| 93 | 100 | LDR-Unbiased | 2.942 | 3.092 | 0.15 |
| 94 | 100 | LDR-Unbiased | 3.681 | 3.352 | -0.329 |
| 95 | 100 | LDR-Unbiased | 2.749 | 3.53 | 0.781 |
| 96 | 100 | LDR-Unbiased | 3.383 | 3.532 | 0.149 |
| 106 | 50 | LDR-Biased | 3.653 | 3.616 | -0.037 |
| 108 | 50 | LDR-Biased | 3.234 | 3.337 | 0.103 |
| 109 | 50 | LDR-Biased | 2.794 | 2.87 | 0.076 |
| 110 | 50 | LDR-Biased | 3.561 | 3.227 | -0.334 |
| 111 | 50 | LDR-Biased | 3.041 | 3.58 | 0.539 |
| 112 | 50 | LDR-Unbiased | 3.139 | 3.557 | 0.418 |
| 113 | 50 | LDR-Unbiased | 3.098 | 3.41 | 0.312 |
| 115 | 50 | LDR-Unbiased | 2.947 | 3.248 | 0.301 |
| 116 | 50 | LDR-Unbiased | 2.851 | 3.075 | 0.224 |
| 117 | 50 | LDR-Unbiased | 3.166 | 2.963 | -0.203 |

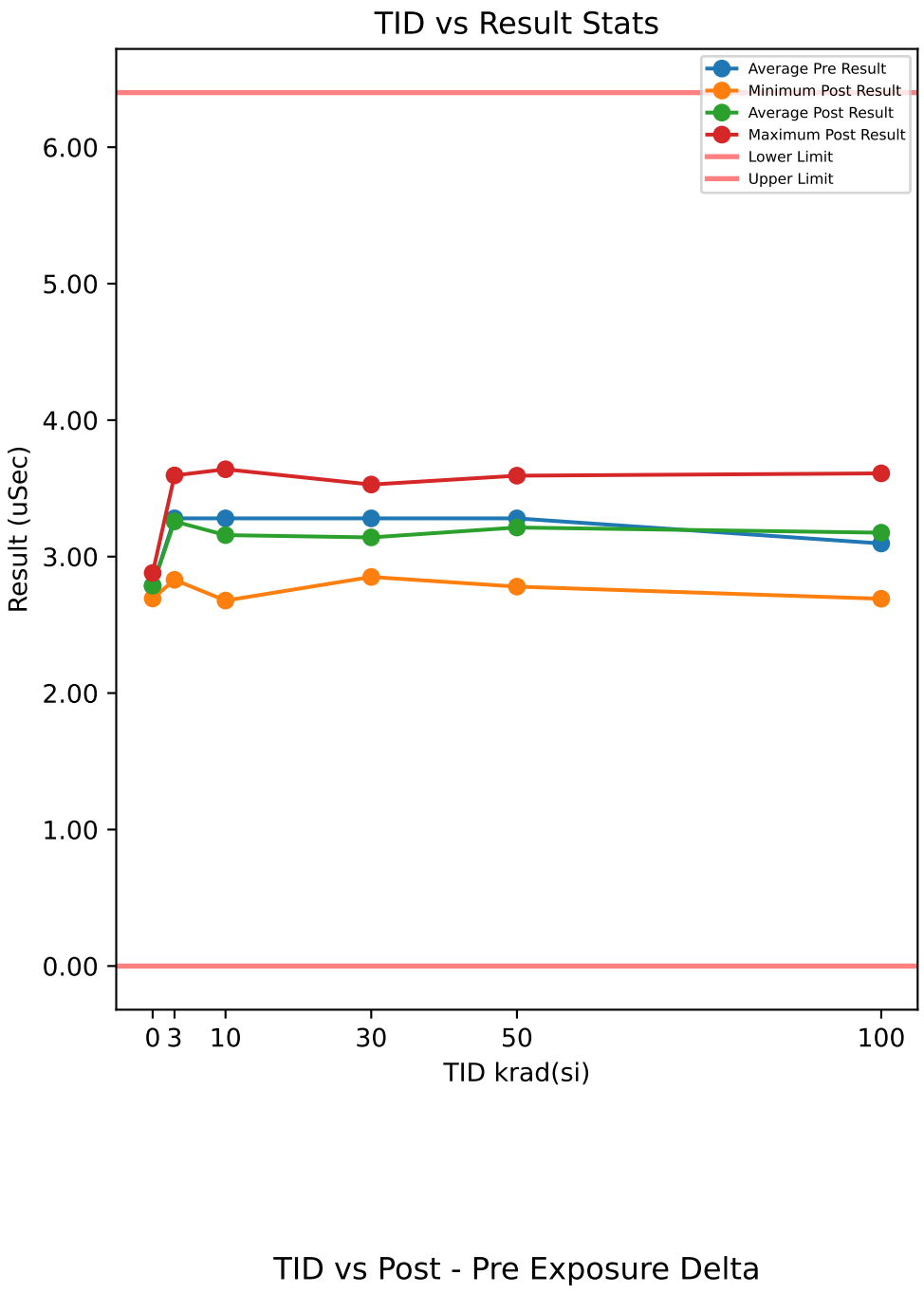
## TID vs Post - Pre Exposure Delta

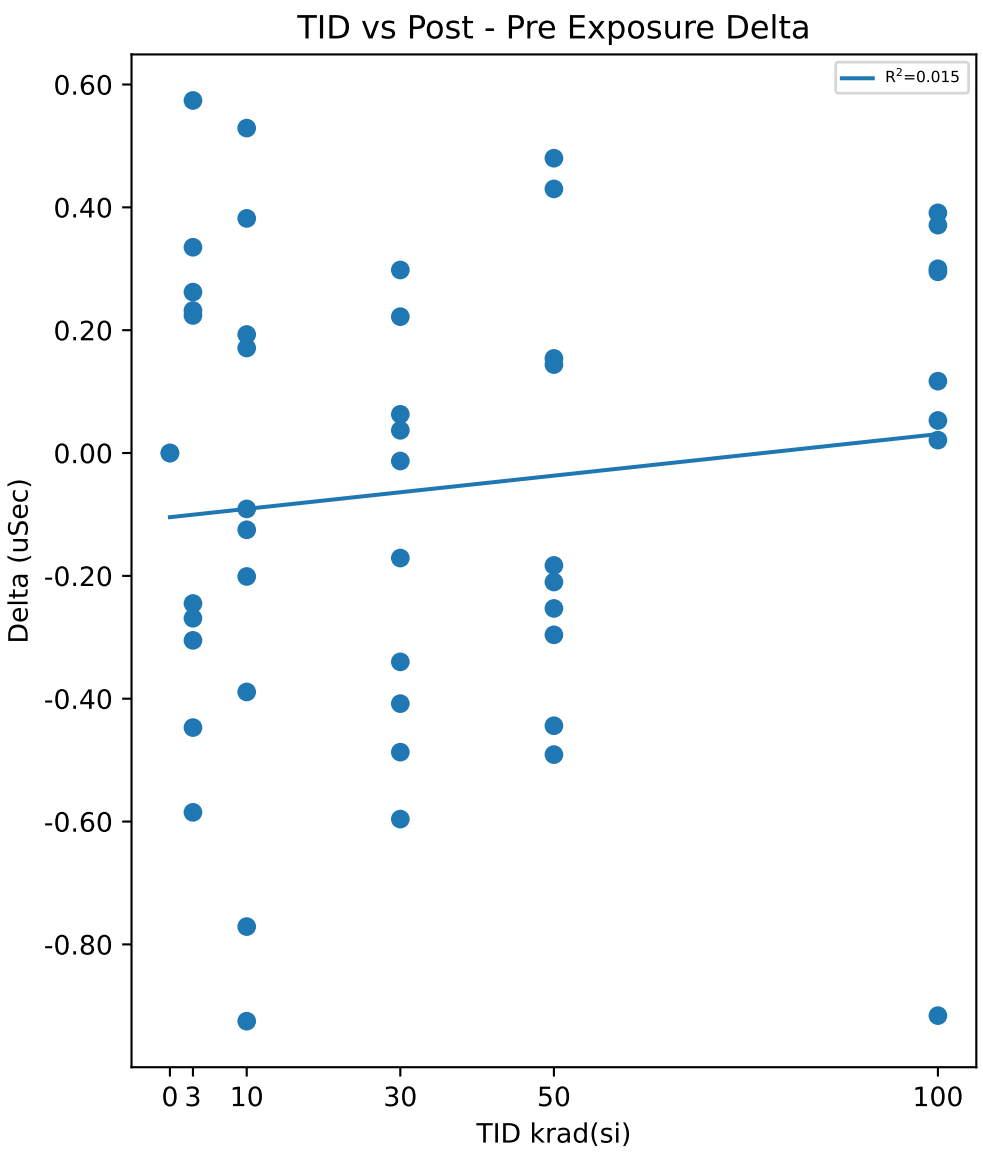



## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.79 | 2.868 | 2.946 | 0.11031 | 2.79 | 2.868 | 2.946 | 0.11031 | 0 | 0 | 0 | 0 |
| 3 | 2.794 | 3.1484 | 3.653 | 0.27914 | 2.677 | 2.9602 | 3.249 | 0.18437 | -0.835 | -0.1882 | 0.216 | 0.30974 |
| 10 | 2.794 | 3.1484 | 3.653 | 0.27914 | 2.882 | 3.0905 | 3.656 | 0.21778 | -0.427 | -0.0579 | 0.281 | 0.20753 |
| 30 | 2.794 | 3.1484 | 3.653 | 0.27914 | 2.759 | 3.252 | 3.618 | 0.2986 | -0.618 | 0.1036 | 0.709 | 0.48812 |
| 50 | 2.794 | 3.1484 | 3.653 | 0.27914 | 2.87 | 3.2883 | 3.616 | 0.26109 | -0.334 | 0.1399 | 0.539 | 0.2745 |
| 100 | 2.688 | 2.985 | 3.681 | 0.36269 | 2.683 | 3.0882 | 3.532 | 0.34592 | -0.329 | 0.10325 | 0.781 | 0.34709 |

# Device Test: 5.26 tpd_EN3_SU/EN3/7/3/0/0/0/@TPD_EN




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

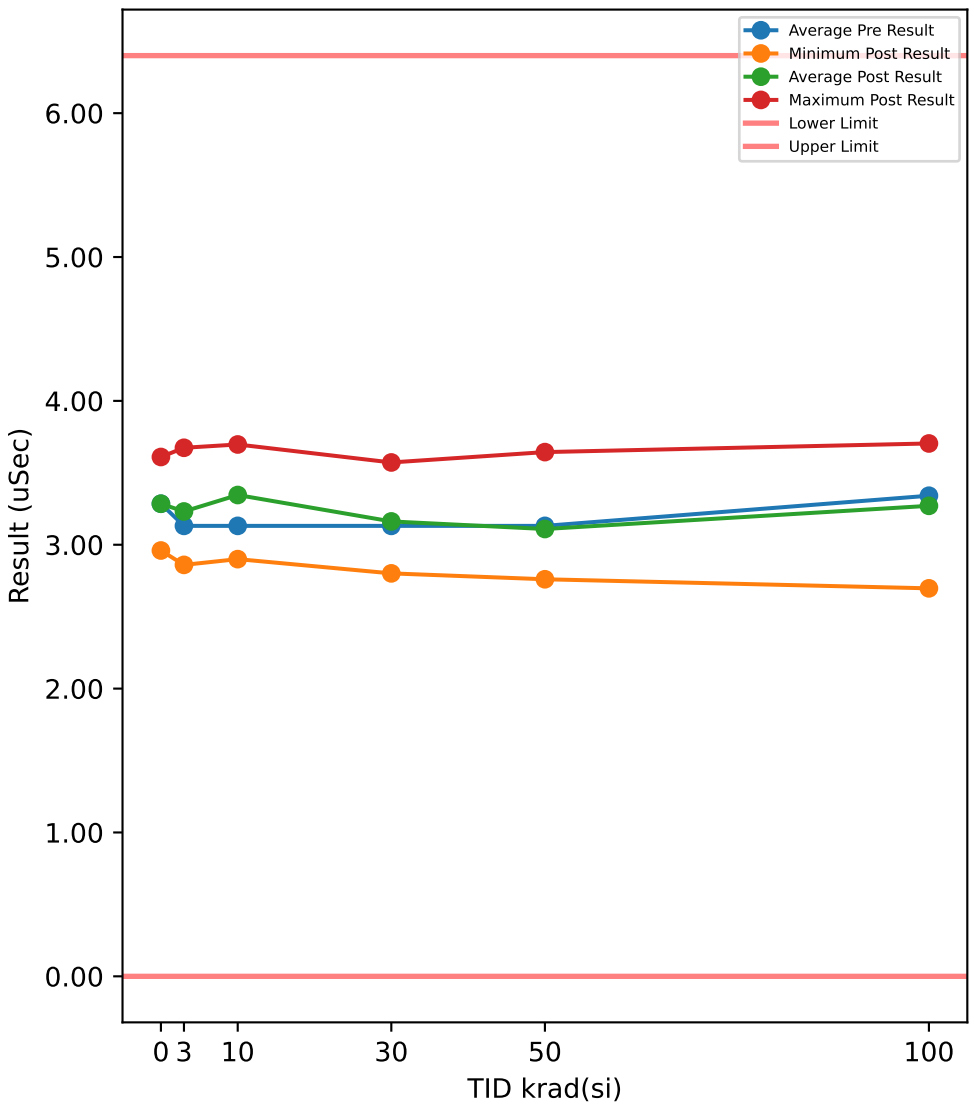
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.693 | 2.693 | 0 |
| 7 | 0 | Correlation | 2.88 | 2.88 | 0 |
| 16 | 3 | LDR-Biased | 3.291 | 2.986 | -0.305 |
| 18 | 3 | LDR-Biased | 3.449 | 3.18 | -0.269 |
| 19 | 3 | LDR-Biased | 2.963 | 3.195 | 0.232 |
| 20 | 3 | LDR-Biased | 3.447 | 3.202 | -0.245 |
| 21 | 3 | LDR-Biased | 3.241 | 3.576 | 0.335 |
| 22 | 3 | LDR-Unbiased | 3.086 | 3.348 | 0.262 |
| 23 | 3 | LDR-Unbiased | 3.699 | 3.114 | -0.585 |
| 25 | 3 | LDR-Unbiased | 3.277 | 2.83 | -0.447 |
| 26 | 3 | LDR-Unbiased | 3.021 | 3.595 | 0.574 |
| 27 | 3 | LDR-Unbiased | 3.328 | 3.552 | 0.224 |
| 46 | 10 | LDR-Biased | 3.291 | 2.902 | -0.389 |
| 48 | 10 | LDR-Biased | 3.449 | 2.678 | -0.771 |
| 49 | 10 | LDR-Biased | 2.963 | 3.345 | 0.382 |
| 50 | 10 | LDR-Biased | 3.447 | 3.64 | 0.193 |
| 51 | 10 | LDR-Biased | 3.241 | 3.04 | -0.201 |
| 52 | 10 | LDR-Unbiased | 3.086 | 2.995 | -0.091 |
| 53 | 10 | LDR-Unbiased | 3.699 | 2.774 | -0.925 |
| 55 | 10 | LDR-Unbiased | 3.277 | 3.152 | -0.125 |
| 56 | 10 | LDR-Unbiased | 3.021 | 3.55 | 0.529 |
| 57 | 10 | LDR-Unbiased | 3.328 | 3.499 | 0.171 |
| 76 | 30 | LDR-Biased | 3.291 | 2.883 | -0.408 |
| 78 | 30 | LDR-Biased | 3.449 | 2.962 | -0.487 |
| 79 | 30 | LDR-Biased | 2.963 | 3.185 | 0.222 |
| 80 | 30 | LDR-Biased | 3.447 | 2.851 | -0.596 |
| 81 | 30 | LDR-Biased | 3.241 | 2.901 | -0.34 |
| 82 | 30 | LDR-Unbiased | 3.086 | 3.073 | -0.013 |
| 83 | 30 | LDR-Unbiased | 3.699 | 3.528 | -0.171 |
| 84 | 30 | LDR-Unbiased | 3.328 | 3.391 | 0.063 |
| 85 | 30 | LDR-Unbiased | 3.277 | 3.314 | 0.037 |
| 86 | 30 | LDR-Unbiased | 3.021 | 3.319 | 0.298 |
| 87 | 100 | LDR-Biased | 3.607 | 2.691 | -0.916 |
| 88 | 100 | LDR-Biased | 2.872 | 2.989 | 0.117 |
| 90 | 100 | LDR-Biased | 3.093 | 3.393 | 0.3 |
| 91 | 100 | LDR-Unbiased | 3.127 | 3.18 | 0.053 |
| 93 | 100 | LDR-Unbiased | 2.727 | 3.022 | 0.295 |
| 94 | 100 | LDR-Unbiased | 2.928 | 3.319 | 0.391 |
| 95 | 100 | LDR-Unbiased | 2.827 | 3.198 | 0.371 |
| 96 | 100 | LDR-Unbiased | 3.589 | 3.61 | 0.021 |
| 106 | 50 | LDR-Biased | 3.291 | 3.445 | 0.154 |
| 108 | 50 | LDR-Biased | 3.449 | 3.593 | 0.144 |
| 109 | 50 | LDR-Biased | 2.963 | 2.78 | -0.183 |
| 110 | 50 | LDR-Biased | 3.447 | 3.003 | -0.444 |
| 111 | 50 | LDR-Biased | 3.241 | 3.031 | -0.21 |
| 112 | 50 | LDR-Unbiased | 3.086 | 3.566 | 0.48 |
| 113 | 50 | LDR-Unbiased | 3.699 | 3.446 | -0.253 |
| 115 | 50 | LDR-Unbiased | 3.277 | 2.981 | -0.296 |
| 116 | 50 | LDR-Unbiased | 3.021 | 3.451 | 0.43 |
| 117 | 50 | LDR-Unbiased | 3.328 | 2.837 | -0.491 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.693 | 2.7865 | 2.88 | 0.13223 | 2.693 | 2.7865 | 2.88 | 0.13223 | 0 | 0 | 0 | 0 |
| 3 | 2.963 | 3.2802 | 3.699 | 0.2214 | 2.83 | 3.2578 | 3.595 | 0.25827 | -0.585 | -0.0224 | 0.574 | 0.39112 |
| 10 | 2.963 | 3.2802 | 3.699 | 0.2214 | 2.678 | 3.1575 | 3.64 | 0.33684 | -0.925 | -0.1227 | 0.529 | 0.47228 |
| 30 | 2.963 | 3.2802 | 3.699 | 0.2214 | 2.851 | 3.1407 | 3.528 | 0.24054 | -0.596 | -0.1395 | 0.298 | 0.3078 |
| 50 | 2.963 | 3.2802 | 3.699 | 0.2214 | 2.78 | 3.2133 | 3.593 | 0.31512 | -0.491 | -0.0669 | 0.48 | 0.3468 |
| 100 | 2.727 | 3.0962 | 3.607 | 0.33638 | 2.691 | 3.1753 | 3.61 | 0.28038 | -0.916 | 0.079 | 0.391 | 0.42655 |

# Device Test: 5.27 tpd_EN4_SU/EN4/7/3/0/0/0/@TPD_EN

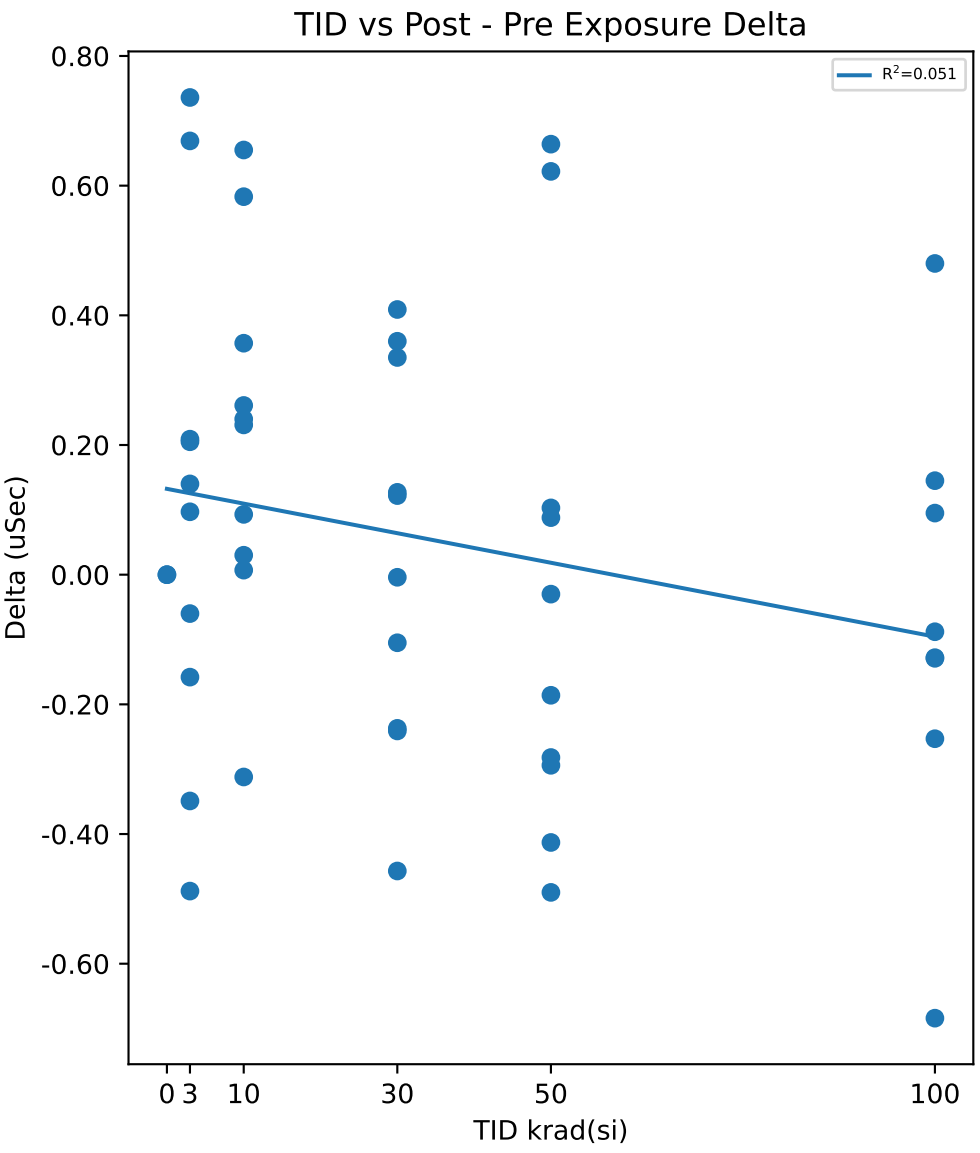
## TID vs Result Stats




## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.96 | 2.96 | 0 |
| 7 | 0 | Correlation | 3.61 | 3.61 | 0 |
| 16 | 3 | LDR-Biased | 3.559 | 3.499 | -0.06 |
| 18 | 3 | LDR-Biased | 2.836 | 3.045 | 0.209 |
| 19 | 3 | LDR-Biased | 3.022 | 2.864 | -0.158 |
| 20 | 3 | LDR-Biased | 3.269 | 2.92 | -0.349 |
| 21 | 3 | LDR-Biased | 3.042 | 3.182 | 0.14 |
| 22 | 3 | LDR-Unbiased | 3.348 | 2.86 | -0.488 |
| 23 | 3 | LDR-Unbiased | 3.005 | 3.674 | 0.669 |
| 25 | 3 | LDR-Unbiased | 3.212 | 3.417 | 0.205 |
| 26 | 3 | LDR-Unbiased | 2.826 | 3.562 | 0.736 |
| 27 | 3 | LDR-Unbiased | 3.193 | 3.29 | 0.097 |
| 46 | 10 | LDR-Biased | 3.559 | 3.652 | 0.093 |
| 48 | 10 | LDR-Biased | 2.836 | 3.067 | 0.231 |
| 49 | 10 | LDR-Biased | 3.022 | 3.379 | 0.357 |
| 50 | 10 | LDR-Biased | 3.269 | 3.276 | 0.007 |
| 51 | 10 | LDR-Biased | 3.042 | 3.697 | 0.655 |
| 52 | 10 | LDR-Unbiased | 3.348 | 3.588 | 0.24 |
| 53 | 10 | LDR-Unbiased | 3.005 | 3.266 | 0.261 |
| 55 | 10 | LDR-Unbiased | 3.212 | 2.9 | -0.312 |
| 56 | 10 | LDR-Unbiased | 2.826 | 3.409 | 0.583 |
| 57 | 10 | LDR-Unbiased | 3.193 | 3.223 | 0.03 |
| 76 | 30 | LDR-Biased | 3.559 | 3.555 | -0.004 |
| 78 | 30 | LDR-Biased | 2.836 | 3.245 | 0.409 |
| 79 | 30 | LDR-Biased | 3.022 | 3.357 | 0.335 |
| 80 | 30 | LDR-Biased | 3.269 | 3.396 | 0.127 |
| 81 | 30 | LDR-Biased | 3.042 | 2.801 | -0.241 |
| 82 | 30 | LDR-Unbiased | 3.348 | 2.891 | -0.457 |
| 83 | 30 | LDR-Unbiased | 3.005 | 2.9 | -0.105 |
| 84 | 30 | LDR-Unbiased | 3.193 | 2.956 | -0.237 |
| 85 | 30 | LDR-Unbiased | 3.212 | 3.572 | 0.36 |
| 86 | 30 | LDR-Unbiased | 2.826 | 2.948 | 0.122 |
| 87 | 100 | LDR-Biased | 2.969 | 3.449 | 0.48 |
| 88 | 100 | LDR-Biased | 3.713 | 3.029 | -0.684 |
| 90 | 100 | LDR-Biased | 2.785 | 2.697 | -0.088 |
| 91 | 100 | LDR-Unbiased | 3.609 | 3.704 | 0.095 |
| 93 | 100 | LDR-Unbiased | 3.176 | 3.048 | -0.128 |
| 94 | 100 | LDR-Unbiased | 3.636 | 3.383 | -0.253 |
| 95 | 100 | LDR-Unbiased | 3.487 | 3.632 | 0.145 |
| 96 | 100 | LDR-Unbiased | 3.351 | 3.222 | -0.129 |
| 106 | 50 | LDR-Biased | 3.559 | 3.373 | -0.186 |
| 108 | 50 | LDR-Biased | 2.836 | 2.806 | -0.03 |
| 109 | 50 | LDR-Biased | 3.022 | 3.644 | 0.622 |
| 110 | 50 | LDR-Biased | 3.269 | 2.856 | -0.413 |
| 111 | 50 | LDR-Biased | 3.042 | 2.76 | -0.282 |
| 112 | 50 | LDR-Unbiased | 3.348 | 2.858 | -0.49 |
| 113 | 50 | LDR-Unbiased | 3.005 | 3.108 | 0.103 |
| 115 | 50 | LDR-Unbiased | 3.212 | 3.3 | 0.088 |
| 116 | 50 | LDR-Unbiased | 2.826 | 3.49 | 0.664 |
| 117 | 50 | LDR-Unbiased | 3.193 | 2.899 | -0.294 |

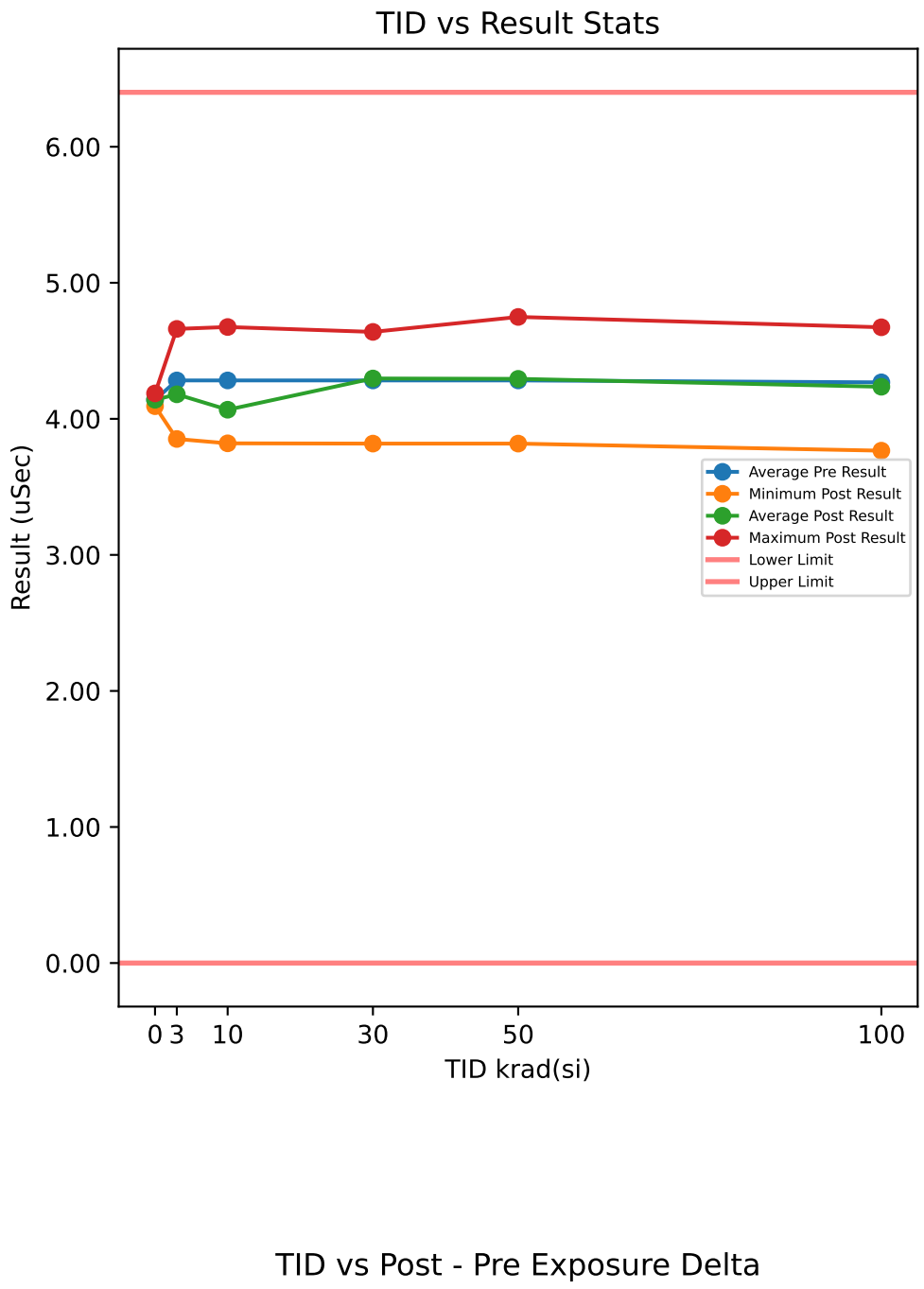
## TID vs Post - Pre Exposure Delta

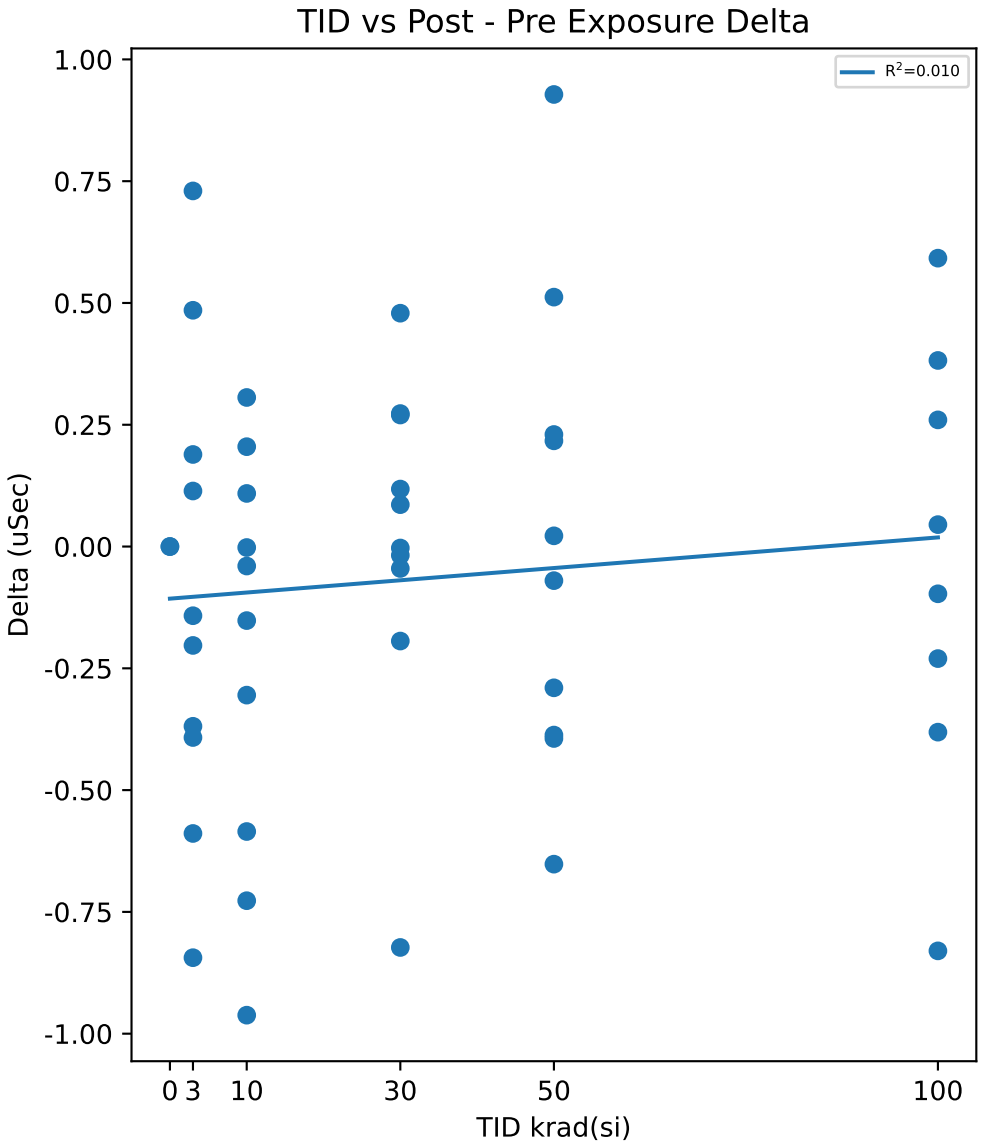



## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.96 | 3.285 | 3.61 | 0.45962 | 2.96 | 3.285 | 3.61 | 0.45962 | 0 | 0 | 0 | 0 |
| 3 | 2.826 | 3.1312 | 3.559 | 0.22984 | 2.86 | 3.2313 | 3.674 | 0.30217 | -0.488 | 0.1001 | 0.736 | 0.39332 |
| 10 | 2.826 | 3.1312 | 3.559 | 0.22984 | 2.9 | 3.3457 | 3.697 | 0.25466 | -0.312 | 0.2145 | 0.655 | 0.28329 |
| 30 | 2.826 | 3.1312 | 3.559 | 0.22984 | 2.801 | 3.1621 | 3.572 | 0.29493 | -0.457 | 0.0309 | 0.409 | 0.29149 |
| 50 | 2.826 | 3.1312 | 3.559 | 0.22984 | 2.76 | 3.1094 | 3.644 | 0.32012 | -0.49 | -0.0218 | 0.664 | 0.40187 |
| 100 | 2.785 | 3.3407 | 3.713 | 0.33666 | 2.697 | 3.2705 | 3.704 | 0.33853 | -0.684 | -0.07025 | 0.48 | 0.33671 |

# Device Test: 5.28 tpd_SEQ_SU/SEQ_DONE/7/3/0/0/0/@TPD_SEQ_DONE



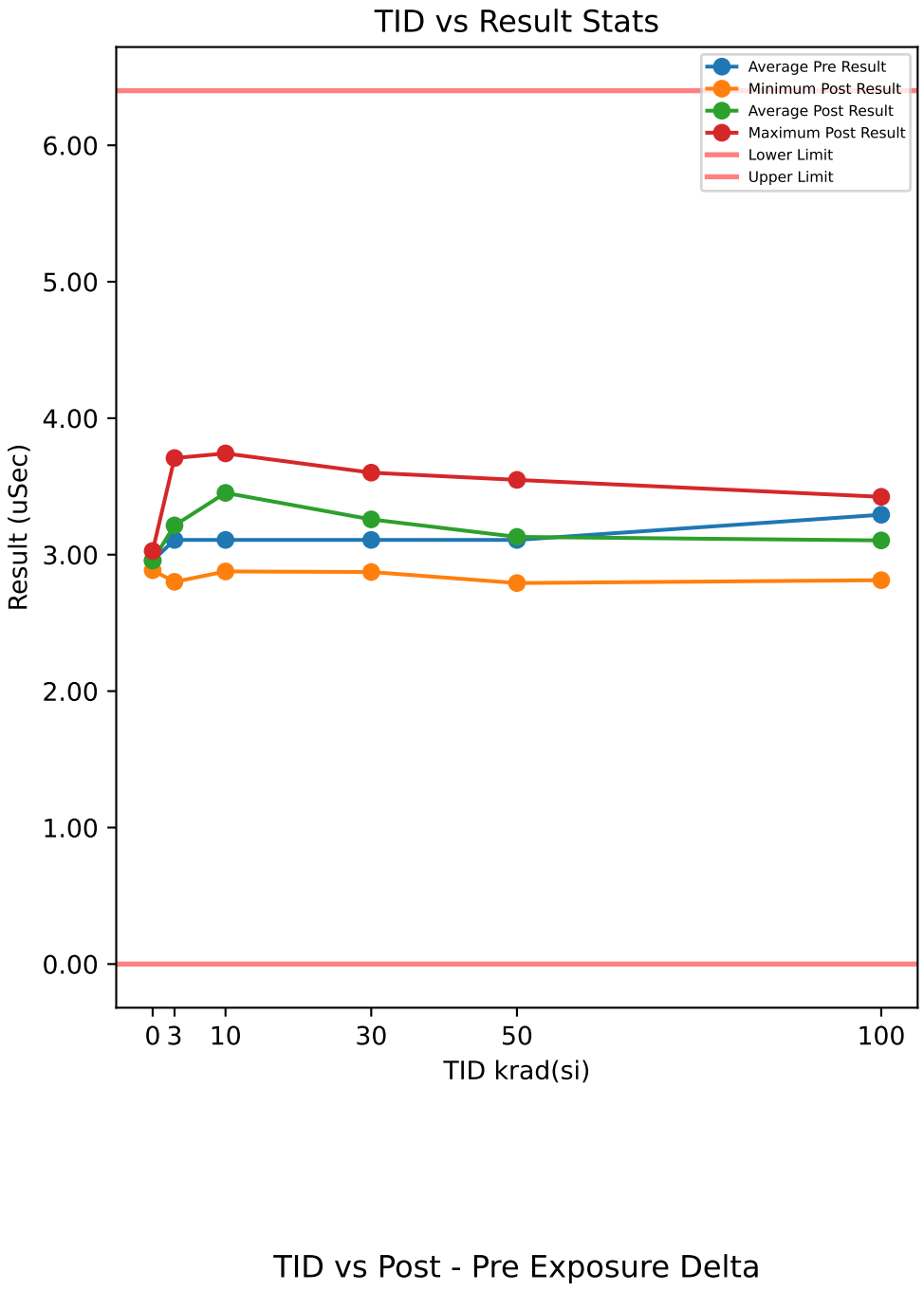

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 4.187 | 4.187 | 0 |
| 7 | 0 | Correlation | 4.093 | 4.093 | 0 |
| 16 | 3 | LDR-Biased | 3.931 | 4.661 | 0.73 |
| 18 | 3 | LDR-Biased | 3.994 | 3.852 | -0.142 |
| 19 | 3 | LDR-Biased | 4.782 | 3.938 | -0.844 |
| 20 | 3 | LDR-Biased | 4.369 | 4 | -0.369 |
| 21 | 3 | LDR-Biased | 4.47 | 4.659 | 0.189 |
| 22 | 3 | LDR-Unbiased | 4.371 | 4.485 | 0.114 |
| 23 | 3 | LDR-Unbiased | 4.643 | 4.054 | -0.589 |
| 25 | 3 | LDR-Unbiased | 4.272 | 3.88 | -0.392 |
| 26 | 3 | LDR-Unbiased | 3.821 | 4.306 | 0.485 |
| 27 | 3 | LDR-Unbiased | 4.17 | 3.967 | -0.203 |
| 46 | 10 | LDR-Biased | 3.931 | 3.891 | -0.04 |
| 48 | 10 | LDR-Biased | 3.994 | 3.842 | -0.152 |
| 49 | 10 | LDR-Biased | 4.782 | 3.82 | -0.962 |
| 50 | 10 | LDR-Biased | 4.369 | 4.675 | 0.306 |
| 51 | 10 | LDR-Biased | 4.47 | 3.885 | -0.585 |
| 52 | 10 | LDR-Unbiased | 4.371 | 4.369 | -0.002 |
| 53 | 10 | LDR-Unbiased | 4.643 | 3.916 | -0.727 |
| 55 | 10 | LDR-Unbiased | 4.272 | 4.381 | 0.109 |
| 56 | 10 | LDR-Unbiased | 3.821 | 4.026 | 0.205 |
| 57 | 10 | LDR-Unbiased | 4.17 | 3.865 | -0.305 |
| 76 | 30 | LDR-Biased | 3.931 | 4.41 | 0.479 |
| 78 | 30 | LDR-Biased | 3.994 | 3.949 | -0.045 |
| 79 | 30 | LDR-Biased | 4.782 | 3.959 | -0.823 |
| 80 | 30 | LDR-Biased | 4.369 | 4.639 | 0.27 |
| 81 | 30 | LDR-Biased | 4.47 | 4.556 | 0.086 |
| 82 | 30 | LDR-Unbiased | 4.371 | 4.353 | -0.018 |
| 83 | 30 | LDR-Unbiased | 4.643 | 4.449 | -0.194 |
| 84 | 30 | LDR-Unbiased | 4.17 | 4.443 | 0.273 |
| 85 | 30 | LDR-Unbiased | 4.272 | 4.39 | 0.118 |
| 86 | 30 | LDR-Unbiased | 3.821 | 3.818 | -0.003 |
| 87 | 100 | LDR-Biased | 3.894 | 4.486 | 0.592 |
| 88 | 100 | LDR-Biased | 3.996 | 3.766 | -0.23 |
| 90 | 100 | LDR-Biased | 3.815 | 3.86 | 0.045 |
| 91 | 100 | LDR-Unbiased | 4.27 | 4.53 | 0.26 |
| 93 | 100 | LDR-Unbiased | 4.643 | 4.546 | -0.097 |
| 94 | 100 | LDR-Unbiased | 4.739 | 3.909 | -0.83 |
| 95 | 100 | LDR-Unbiased | 4.498 | 4.117 | -0.381 |
| 96 | 100 | LDR-Unbiased | 4.291 | 4.673 | 0.382 |
| 106 | 50 | LDR-Biased | 3.931 | 4.443 | 0.512 |
| 108 | 50 | LDR-Biased | 3.994 | 4.211 | 0.217 |
| 109 | 50 | LDR-Biased | 4.782 | 4.388 | -0.394 |
| 110 | 50 | LDR-Biased | 4.369 | 4.079 | -0.29 |
| 111 | 50 | LDR-Biased | 4.47 | 3.818 | -0.652 |
| 112 | 50 | LDR-Unbiased | 4.371 | 3.984 | -0.387 |
| 113 | 50 | LDR-Unbiased | 4.643 | 4.573 | -0.07 |
| 115 | 50 | LDR-Unbiased | 4.272 | 4.294 | 0.022 |
| 116 | 50 | LDR-Unbiased | 3.821 | 4.749 | 0.928 |
| 117 | 50 | LDR-Unbiased | 4.17 | 4.4 | 0.23 |

Test Statistics (uSec)

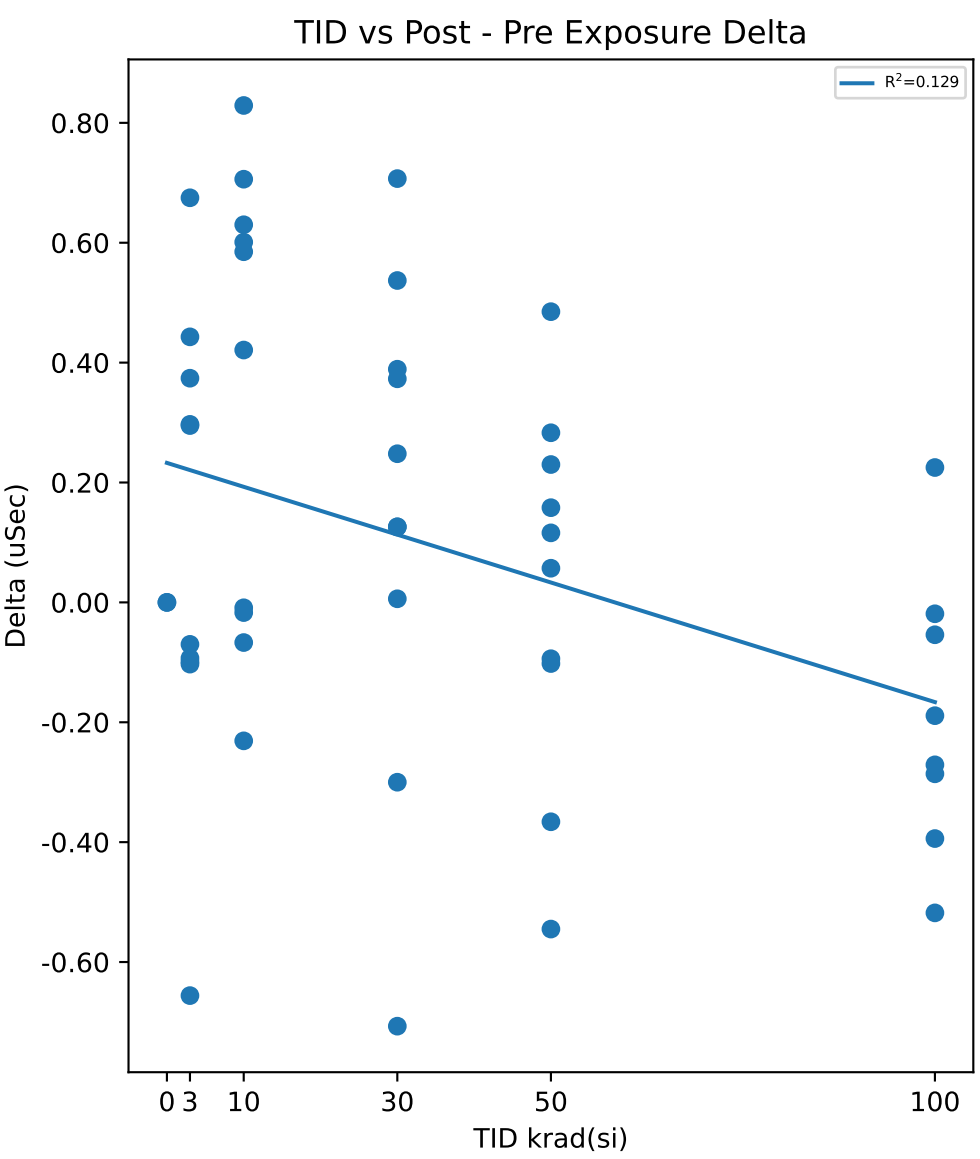
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 4.093 | 4.14 | 4.187 | 0.066468 | 4.093 | 4.14 | 4.187 | 0.066468 | 0 | 0 | 0 | 0 |
| 3 | 3.821 | 4.2823 | 4.782 | 0.30956 | 3.852 | 4.1802 | 4.661 | 0.31963 | -0.844 | -0.1021 | 0.73 | 0.48569 |
| 10 | 3.821 | 4.2823 | 4.782 | 0.30956 | 3.82 | 4.067 | 4.675 | 0.29823 | -0.962 | -0.2153 | 0.306 | 0.42136 |
| 30 | 3.821 | 4.2823 | 4.782 | 0.30956 | 3.818 | 4.2966 | 4.639 | 0.28241 | -0.823 | 0.0143 | 0.479 | 0.35174 |
| 50 | 3.821 | 4.2823 | 4.782 | 0.30956 | 3.818 | 4.2939 | 4.749 | 0.27947 | -0.652 | 0.0116 | 0.928 | 0.47628 |
| 100 | 3.815 | 4.2683 | 4.739 | 0.34537 | 3.766 | 4.2359 | 4.673 | 0.36241 | -0.83 | -0.032375 | 0.592 | 0.45576 |

# Device Test: 5.29 tpd_PWRGD_SU/PWRGD/7/3/0/0/0/@TPD_PWRGD




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

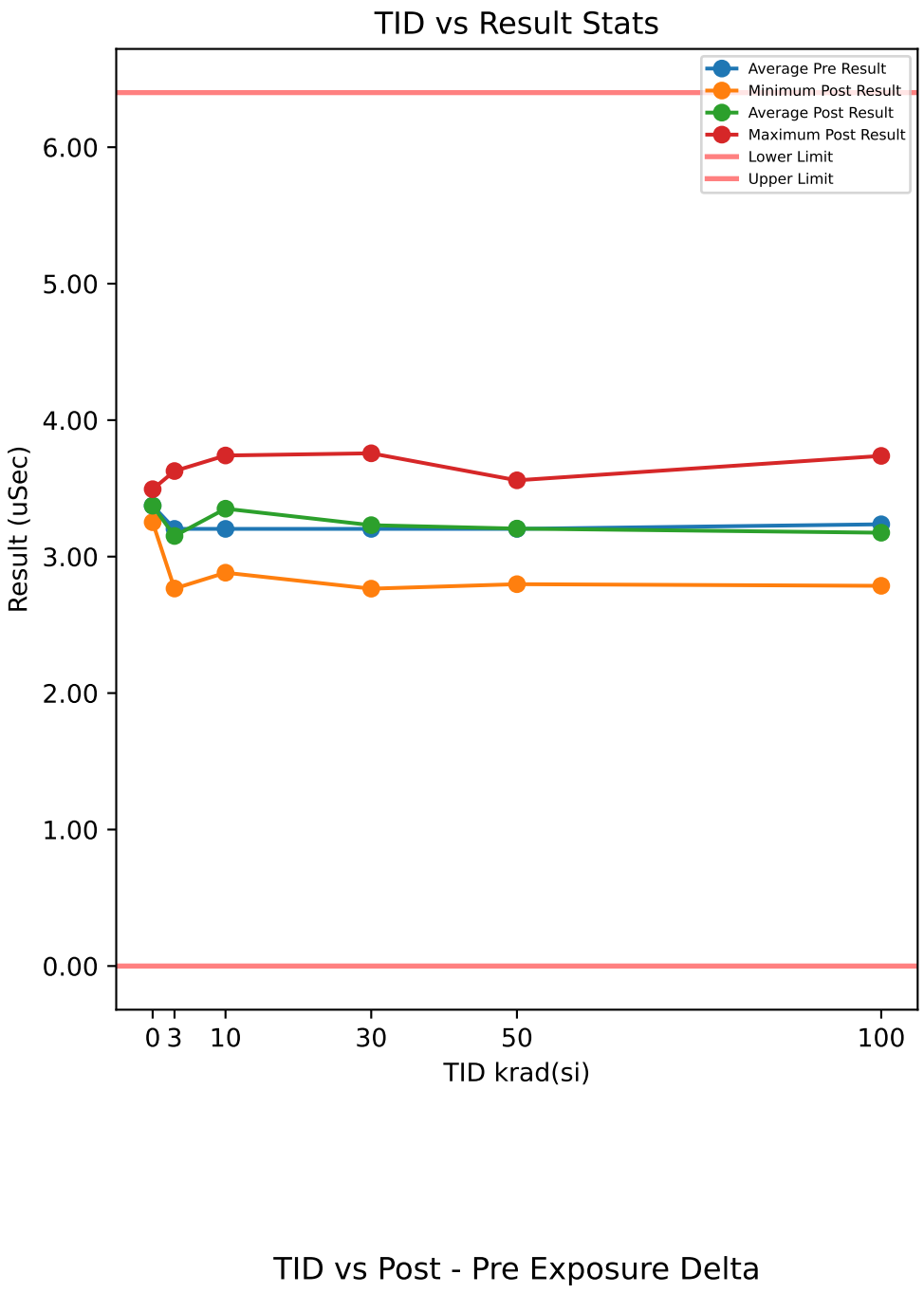
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.027 | 3.027 | 0 |
| 7 | 0 | Correlation | 2.886 | 2.886 | 0 |
| 16 | 3 | LDR-Biased | 2.976 | 3.35 | 0.374 |
| 18 | 3 | LDR-Biased | 3.351 | 3.252 | -0.099 |
| 19 | 3 | LDR-Biased | 3.006 | 3.303 | 0.297 |
| 20 | 3 | LDR-Biased | 2.941 | 2.838 | -0.103 |
| 21 | 3 | LDR-Biased | 3.265 | 3.708 | 0.443 |
| 22 | 3 | LDR-Unbiased | 2.747 | 3.422 | 0.675 |
| 23 | 3 | LDR-Unbiased | 3.719 | 3.063 | -0.656 |
| 25 | 3 | LDR-Unbiased | 2.894 | 2.801 | -0.093 |
| 26 | 3 | LDR-Unbiased | 3.268 | 3.563 | 0.295 |
| 27 | 3 | LDR-Unbiased | 2.913 | 2.843 | -0.07 |
| 46 | 10 | LDR-Biased | 2.976 | 3.577 | 0.601 |
| 48 | 10 | LDR-Biased | 3.351 | 3.342 | -0.009 |
| 49 | 10 | LDR-Biased | 3.006 | 3.636 | 0.63 |
| 50 | 10 | LDR-Biased | 2.941 | 3.526 | 0.585 |
| 51 | 10 | LDR-Biased | 3.265 | 3.686 | 0.421 |
| 52 | 10 | LDR-Unbiased | 2.747 | 3.453 | 0.706 |
| 53 | 10 | LDR-Unbiased | 3.719 | 3.488 | -0.231 |
| 55 | 10 | LDR-Unbiased | 2.894 | 2.877 | -0.017 |
| 56 | 10 | LDR-Unbiased | 3.268 | 3.201 | -0.067 |
| 57 | 10 | LDR-Unbiased | 2.913 | 3.742 | 0.829 |
| 76 | 30 | LDR-Biased | 2.976 | 3.365 | 0.389 |
| 78 | 30 | LDR-Biased | 3.351 | 3.599 | 0.248 |
| 79 | 30 | LDR-Biased | 3.006 | 3.543 | 0.537 |
| 80 | 30 | LDR-Biased | 2.941 | 3.314 | 0.373 |
| 81 | 30 | LDR-Biased | 3.265 | 2.965 | -0.3 |
| 82 | 30 | LDR-Unbiased | 2.747 | 2.873 | 0.126 |
| 83 | 30 | LDR-Unbiased | 3.719 | 3.012 | -0.707 |
| 84 | 30 | LDR-Unbiased | 2.913 | 3.039 | 0.126 |
| 85 | 30 | LDR-Unbiased | 2.894 | 3.601 | 0.707 |
| 86 | 30 | LDR-Unbiased | 3.268 | 3.274 | 0.006 |
| 87 | 100 | LDR-Biased | 3.397 | 3.378 | -0.019 |
| 88 | 100 | LDR-Biased | 3.381 | 3.095 | -0.286 |
| 90 | 100 | LDR-Biased | 3.695 | 3.424 | -0.271 |
| 91 | 100 | LDR-Unbiased | 3.331 | 2.813 | -0.518 |
| 93 | 100 | LDR-Unbiased | 2.833 | 3.058 | 0.225 |
| 94 | 100 | LDR-Unbiased | 2.941 | 2.887 | -0.054 |
| 95 | 100 | LDR-Unbiased | 3.077 | 2.888 | -0.189 |
| 96 | 100 | LDR-Unbiased | 3.686 | 3.292 | -0.394 |
| 106 | 50 | LDR-Biased | 2.976 | 3.033 | 0.057 |
| 108 | 50 | LDR-Biased | 3.351 | 2.985 | -0.366 |
| 109 | 50 | LDR-Biased | 3.006 | 2.912 | -0.094 |
| 110 | 50 | LDR-Biased | 2.941 | 3.057 | 0.116 |
| 111 | 50 | LDR-Biased | 3.265 | 3.548 | 0.283 |
| 112 | 50 | LDR-Unbiased | 2.747 | 3.232 | 0.485 |
| 113 | 50 | LDR-Unbiased | 3.719 | 3.174 | -0.545 |
| 115 | 50 | LDR-Unbiased | 2.894 | 2.792 | -0.102 |
| 116 | 50 | LDR-Unbiased | 3.268 | 3.498 | 0.23 |
| 117 | 50 | LDR-Unbiased | 2.913 | 3.071 | 0.158 |

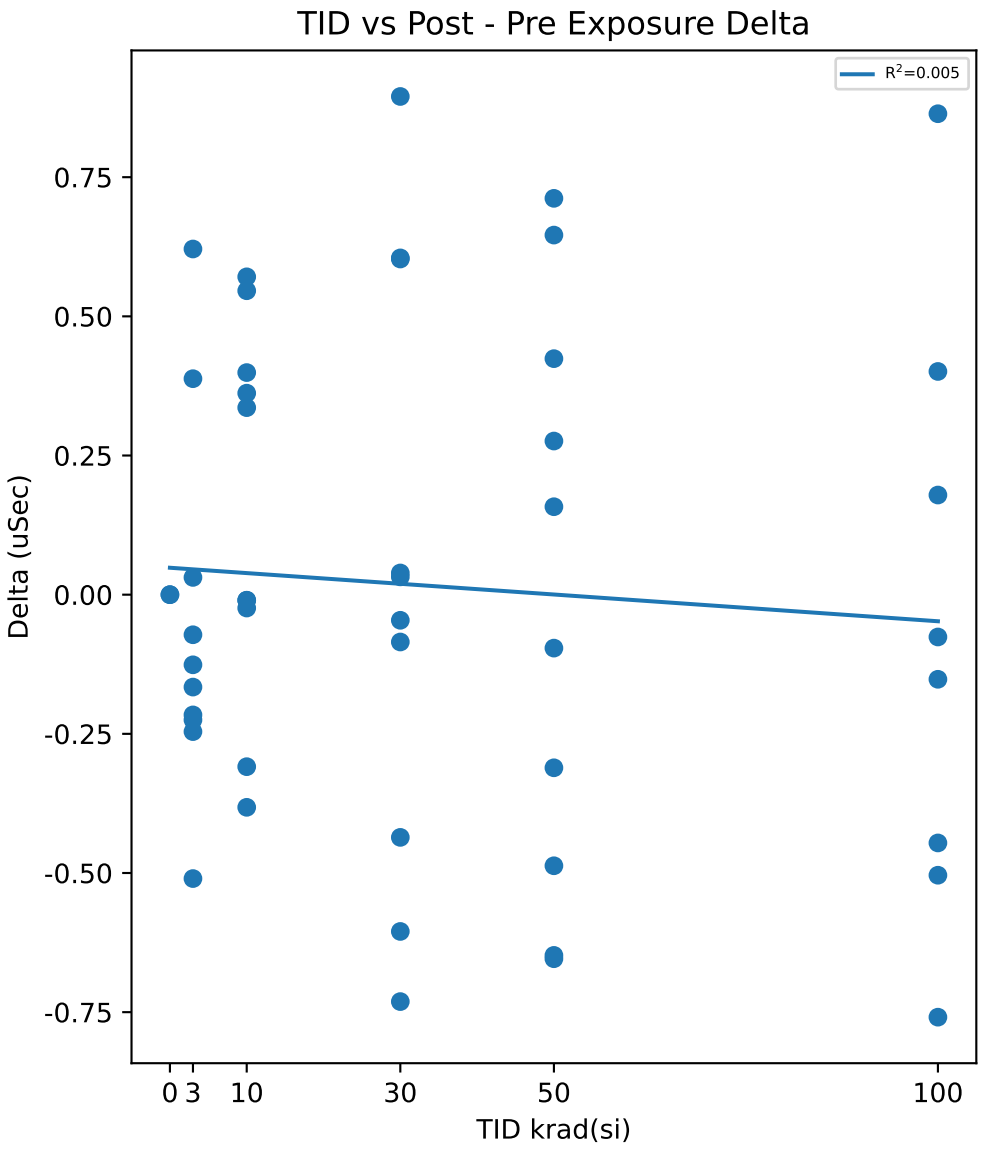



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.886 | 2.9565 | 3.027 | 0.099702 | 2.886 | 2.9565 | 3.027 | 0.099702 | 0 | 0 | 0 | 0 |
| 3 | 2.747 | 3.108 | 3.719 | 0.28915 | 2.801 | 3.2143 | 3.708 | 0.31787 | -0.656 | 0.1063 | 0.675 | 0.38272 |
| 10 | 2.747 | 3.108 | 3.719 | 0.28915 | 2.877 | 3.4528 | 3.742 | 0.25838 | -0.231 | 0.3448 | 0.829 | 0.38479 |
| 30 | 2.747 | 3.108 | 3.719 | 0.28915 | 2.873 | 3.2585 | 3.601 | 0.27336 | -0.707 | 0.1505 | 0.707 | 0.41302 |
| 50 | 2.747 | 3.108 | 3.719 | 0.28915 | 2.792 | 3.1302 | 3.548 | 0.24118 | -0.545 | 0.0222 | 0.485 | 0.30825 |
| 100 | 2.833 | 3.2926 | 3.695 | 0.32032 | 2.813 | 3.1044 | 3.424 | 0.23708 | -0.518 | -0.18825 | 0.225 | 0.2345 |

# Device Test: 5.3 tpd_EN4_SU/EN4/1.6/3/0/0/0/@TPD_EN



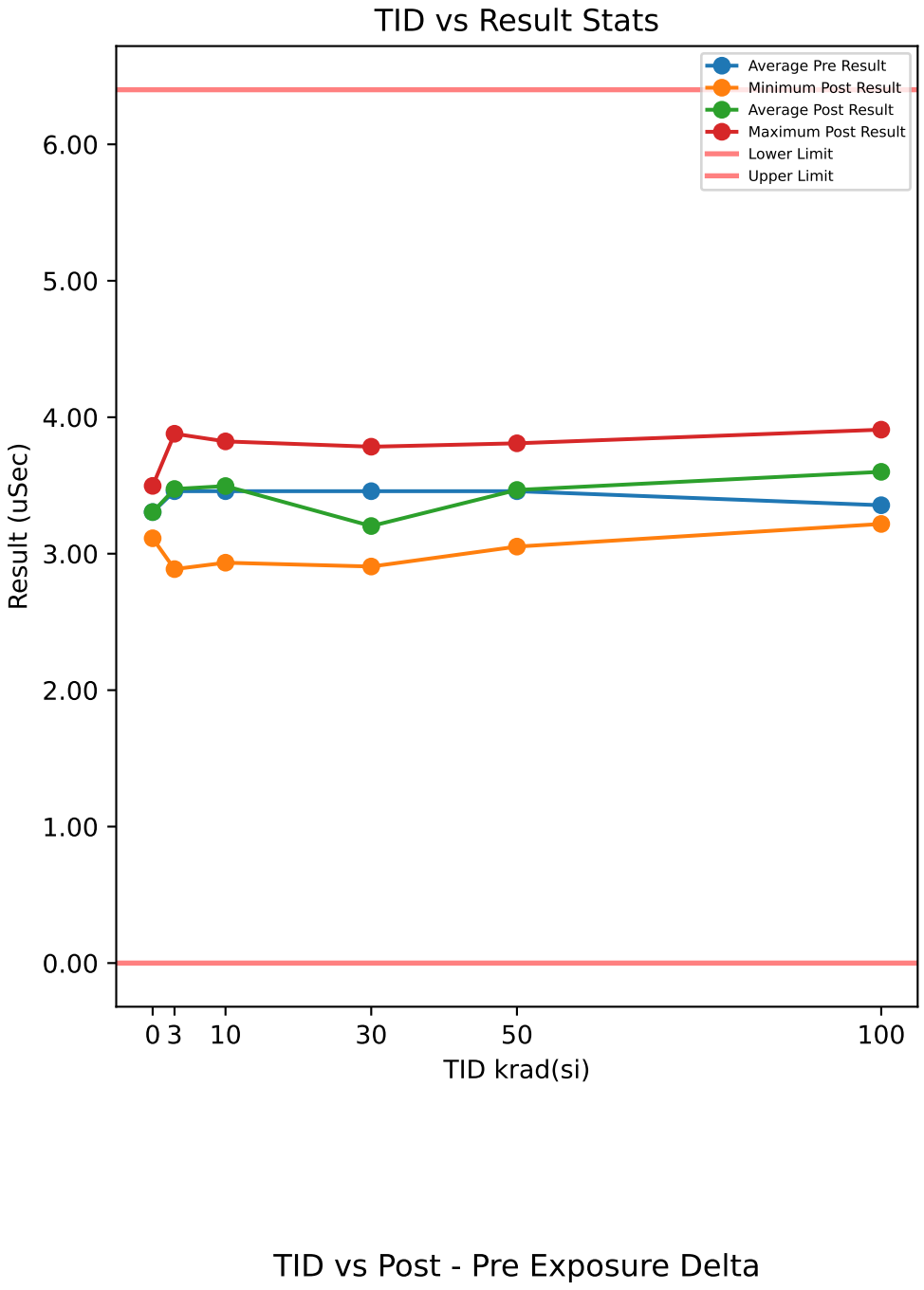

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

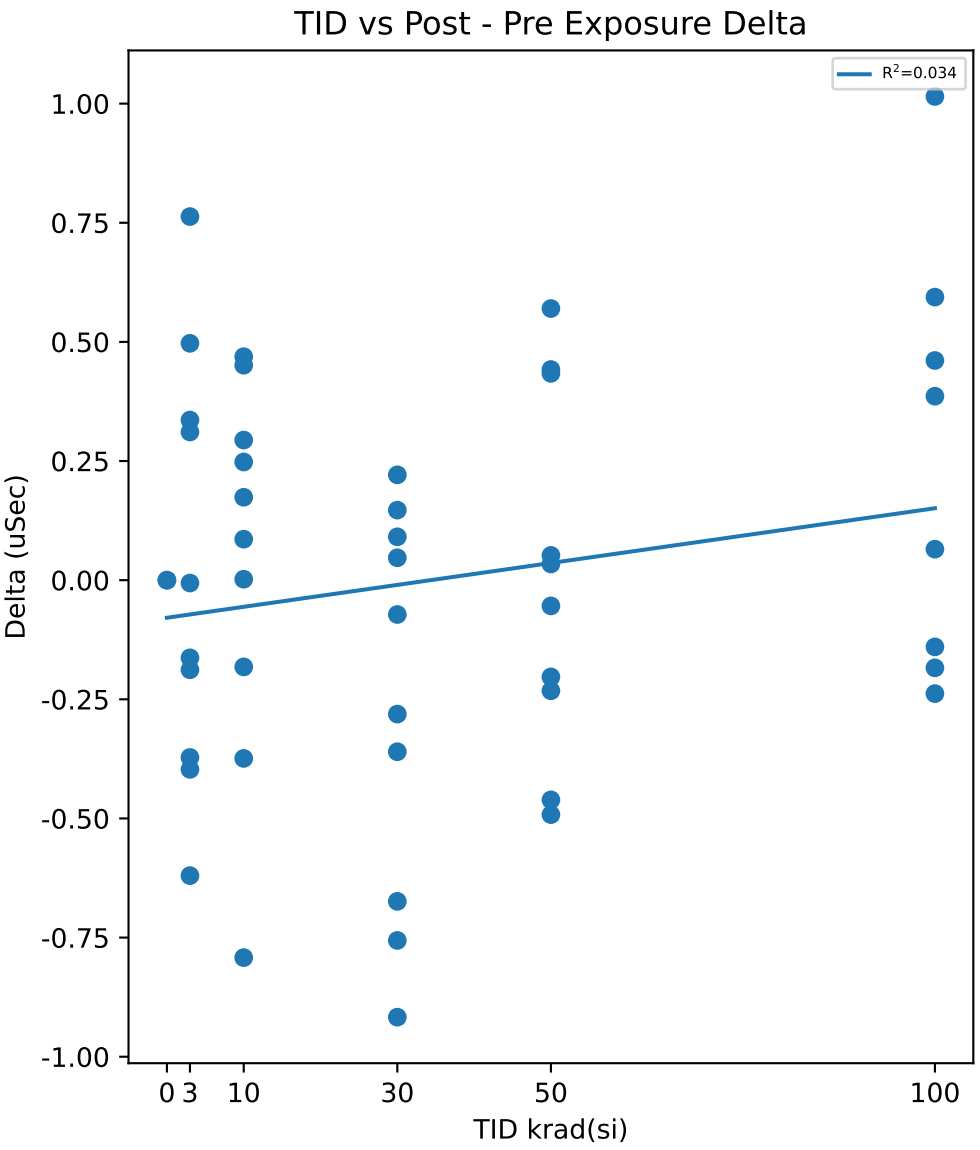
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.252 | 3.252 | 0 |
| 7 | 0 | Correlation | 3.494 | 3.494 | 0 |
| 16 | 3 | LDR-Biased | 3.17 | 3.004 | -0.166 |
| 18 | 3 | LDR-Biased | 3.286 | 3.317 | 0.031 |
| 19 | 3 | LDR-Biased | 2.892 | 3.513 | 0.621 |
| 20 | 3 | LDR-Biased | 3.154 | 2.938 | -0.216 |
| 21 | 3 | LDR-Biased | 3.452 | 2.942 | -0.51 |
| 22 | 3 | LDR-Unbiased | 2.847 | 2.775 | -0.072 |
| 23 | 3 | LDR-Unbiased | 3.496 | 3.37 | -0.126 |
| 25 | 3 | LDR-Unbiased | 2.991 | 2.766 | -0.225 |
| 26 | 3 | LDR-Unbiased | 3.239 | 3.627 | 0.388 |
| 27 | 3 | LDR-Unbiased | 3.505 | 3.259 | -0.246 |
| 46 | 10 | LDR-Biased | 3.17 | 3.741 | 0.571 |
| 48 | 10 | LDR-Biased | 3.286 | 3.276 | -0.01 |
| 49 | 10 | LDR-Biased | 2.892 | 2.882 | -0.01 |
| 50 | 10 | LDR-Biased | 3.154 | 3.49 | 0.336 |
| 51 | 10 | LDR-Biased | 3.452 | 3.428 | -0.024 |
| 52 | 10 | LDR-Unbiased | 2.847 | 3.393 | 0.546 |
| 53 | 10 | LDR-Unbiased | 3.496 | 3.187 | -0.309 |
| 55 | 10 | LDR-Unbiased | 2.991 | 3.353 | 0.362 |
| 56 | 10 | LDR-Unbiased | 3.239 | 3.638 | 0.399 |
| 57 | 10 | LDR-Unbiased | 3.505 | 3.123 | -0.382 |
| 76 | 30 | LDR-Biased | 3.17 | 3.202 | 0.032 |
| 78 | 30 | LDR-Biased | 3.286 | 3.325 | 0.039 |
| 79 | 30 | LDR-Biased | 2.892 | 3.497 | 0.605 |
| 80 | 30 | LDR-Biased | 3.154 | 3.757 | 0.603 |
| 81 | 30 | LDR-Biased | 3.452 | 3.406 | -0.046 |
| 82 | 30 | LDR-Unbiased | 2.847 | 3.742 | 0.895 |
| 83 | 30 | LDR-Unbiased | 3.496 | 2.765 | -0.731 |
| 84 | 30 | LDR-Unbiased | 3.505 | 2.9 | -0.605 |
| 85 | 30 | LDR-Unbiased | 2.991 | 2.906 | -0.085 |
| 86 | 30 | LDR-Unbiased | 3.239 | 2.803 | -0.436 |
| 87 | 100 | LDR-Biased | 3.29 | 2.786 | -0.504 |
| 88 | 100 | LDR-Biased | 3.412 | 2.966 | -0.446 |
| 90 | 100 | LDR-Biased | 3.676 | 2.917 | -0.759 |
| 91 | 100 | LDR-Unbiased | 2.874 | 3.738 | 0.864 |
| 93 | 100 | LDR-Unbiased | 3.21 | 3.134 | -0.076 |
| 94 | 100 | LDR-Unbiased | 3.504 | 3.683 | 0.179 |
| 95 | 100 | LDR-Unbiased | 2.8 | 3.201 | 0.401 |
| 96 | 100 | LDR-Unbiased | 3.128 | 2.976 | -0.152 |
| 106 | 50 | LDR-Biased | 3.17 | 3.446 | 0.276 |
| 108 | 50 | LDR-Biased | 3.286 | 2.799 | -0.487 |
| 109 | 50 | LDR-Biased | 2.892 | 3.538 | 0.646 |
| 110 | 50 | LDR-Biased | 3.154 | 3.058 | -0.096 |
| 111 | 50 | LDR-Biased | 3.452 | 2.798 | -0.654 |
| 112 | 50 | LDR-Unbiased | 2.847 | 3.559 | 0.712 |
| 113 | 50 | LDR-Unbiased | 3.496 | 2.848 | -0.648 |
| 115 | 50 | LDR-Unbiased | 2.991 | 3.415 | 0.424 |
| 116 | 50 | LDR-Unbiased | 3.239 | 3.397 | 0.158 |
| 117 | 50 | LDR-Unbiased | 3.505 | 3.194 | -0.311 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.252 | 3.373 | 3.494 | 0.17112 | 3.252 | 3.373 | 3.494 | 0.17112 | 0 | 0 | 0 | 0 |
| 3 | 2.847 | 3.2032 | 3.505 | 0.24017 | 2.766 | 3.1511 | 3.627 | 0.30642 | -0.51 | -0.0521 | 0.621 | 0.3294 |
| 10 | 2.847 | 3.2032 | 3.505 | 0.24017 | 2.882 | 3.3511 | 3.741 | 0.25077 | -0.382 | 0.1479 | 0.571 | 0.34168 |
| 30 | 2.847 | 3.2032 | 3.505 | 0.24017 | 2.765 | 3.2303 | 3.757 | 0.37481 | -0.731 | 0.0271 | 0.895 | 0.54013 |
| 50 | 2.847 | 3.2032 | 3.505 | 0.24017 | 2.798 | 3.2052 | 3.559 | 0.30821 | -0.654 | 0.002 | 0.712 | 0.51595 |
| 100 | 2.8 | 3.2367 | 3.676 | 0.30066 | 2.786 | 3.1751 | 3.738 | 0.35427 | -0.759 | -0.061625 | 0.864 | 0.53007 |

# Device Test: 5.30 tpd_EN1_SD/EN1/7/3/0/0/0/@TPD_EN



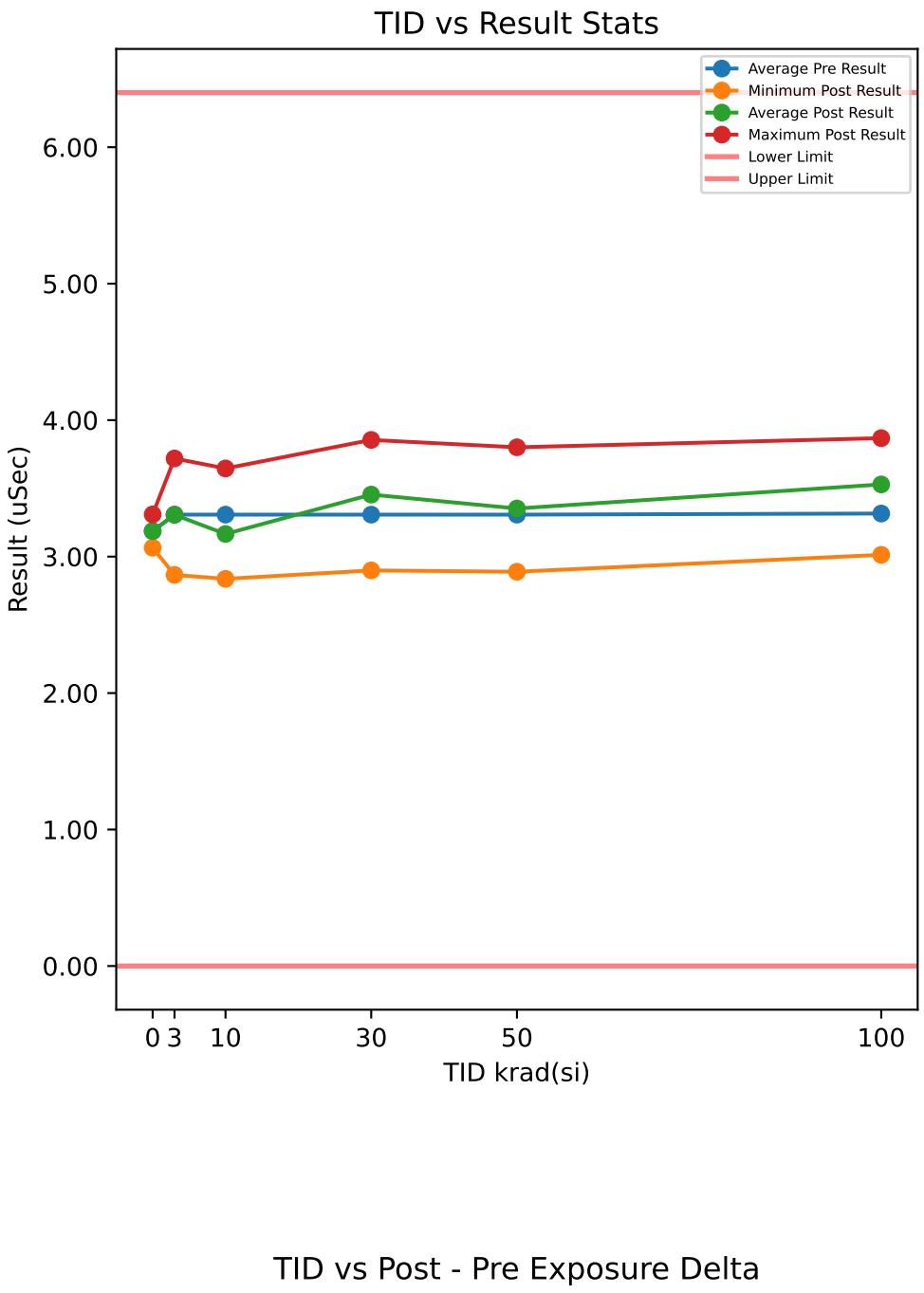

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

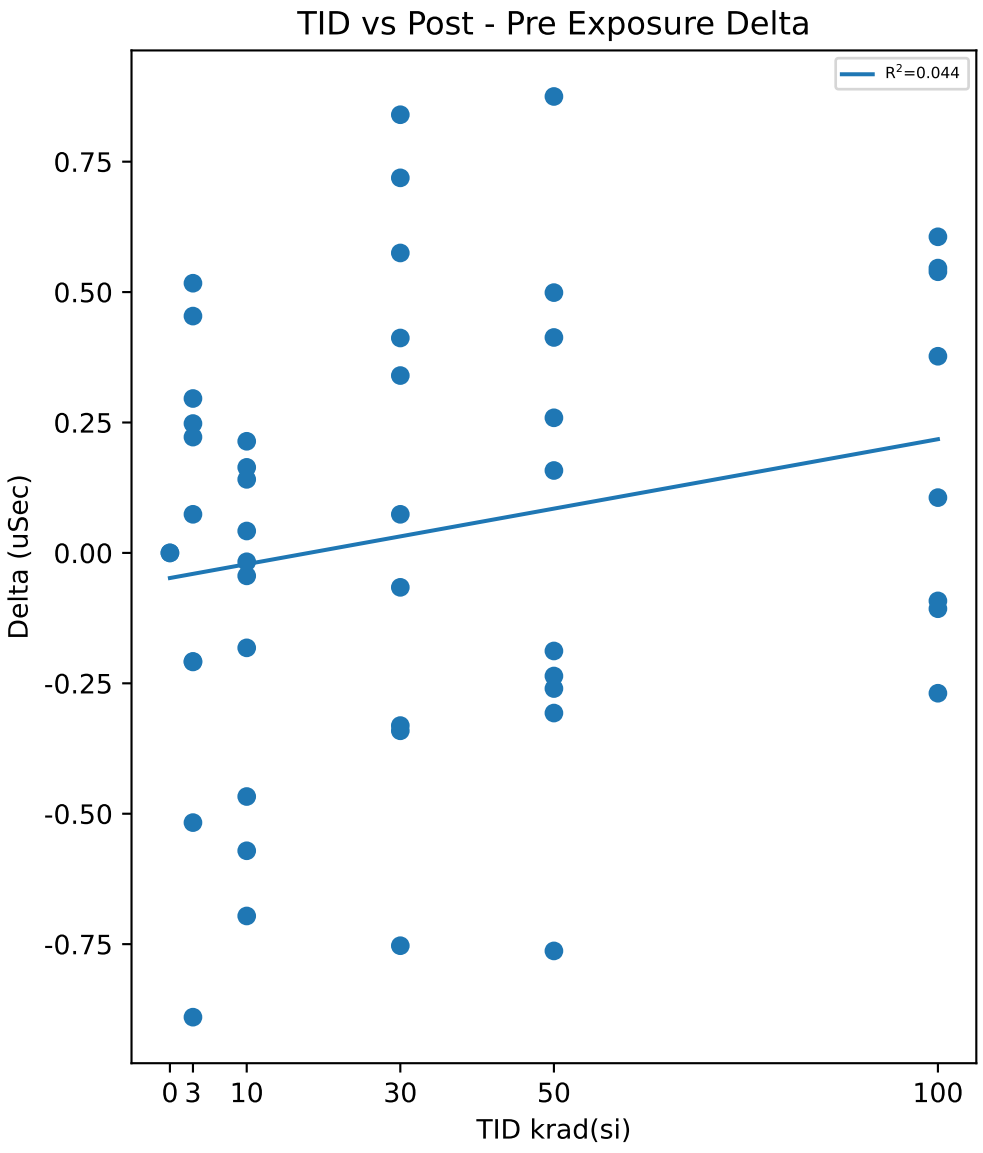
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.113 | 3.113 | 0 |
| 7 | 0 | Correlation | 3.497 | 3.497 | 0 |
| 16 | 3 | LDR-Biased | 2.939 | 3.25 | 0.311 |
| 18 | 3 | LDR-Biased | 3.266 | 3.078 | -0.188 |
| 19 | 3 | LDR-Biased | 3.739 | 3.733 | -0.006 |
| 20 | 3 | LDR-Biased | 3.513 | 3.849 | 0.336 |
| 21 | 3 | LDR-Biased | 3.737 | 3.574 | -0.163 |
| 22 | 3 | LDR-Unbiased | 3.284 | 2.887 | -0.397 |
| 23 | 3 | LDR-Unbiased | 3.886 | 3.266 | -0.62 |
| 25 | 3 | LDR-Unbiased | 3.367 | 3.864 | 0.497 |
| 26 | 3 | LDR-Unbiased | 3.734 | 3.362 | -0.372 |
| 27 | 3 | LDR-Unbiased | 3.116 | 3.879 | 0.763 |
| 46 | 10 | LDR-Biased | 2.939 | 3.39 | 0.451 |
| 48 | 10 | LDR-Biased | 3.266 | 3.735 | 0.469 |
| 49 | 10 | LDR-Biased | 3.739 | 2.947 | -0.792 |
| 50 | 10 | LDR-Biased | 3.513 | 3.761 | 0.248 |
| 51 | 10 | LDR-Biased | 3.737 | 3.823 | 0.086 |
| 52 | 10 | LDR-Unbiased | 3.284 | 3.578 | 0.294 |
| 53 | 10 | LDR-Unbiased | 3.886 | 3.512 | -0.374 |
| 55 | 10 | LDR-Unbiased | 3.367 | 3.541 | 0.174 |
| 56 | 10 | LDR-Unbiased | 3.734 | 3.736 | 0.002 |
| 57 | 10 | LDR-Unbiased | 3.116 | 2.934 | -0.182 |
| 76 | 30 | LDR-Biased | 2.939 | 3.16 | 0.221 |
| 78 | 30 | LDR-Biased | 3.266 | 2.906 | -0.36 |
| 79 | 30 | LDR-Biased | 3.739 | 2.983 | -0.756 |
| 80 | 30 | LDR-Biased | 3.513 | 3.604 | 0.091 |
| 81 | 30 | LDR-Biased | 3.737 | 3.784 | 0.047 |
| 82 | 30 | LDR-Unbiased | 3.284 | 3.431 | 0.147 |
| 83 | 30 | LDR-Unbiased | 3.886 | 2.969 | -0.917 |
| 84 | 30 | LDR-Unbiased | 3.116 | 3.044 | -0.072 |
| 85 | 30 | LDR-Unbiased | 3.367 | 3.086 | -0.281 |
| 86 | 30 | LDR-Unbiased | 3.734 | 3.06 | -0.674 |
| 87 | 100 | LDR-Biased | 3.153 | 3.218 | 0.065 |
| 88 | 100 | LDR-Biased | 3.758 | 3.618 | -0.14 |
| 90 | 100 | LDR-Biased | 3.644 | 3.406 | -0.238 |
| 91 | 100 | LDR-Unbiased | 2.856 | 3.871 | 1.015 |
| 93 | 100 | LDR-Unbiased | 3.448 | 3.909 | 0.461 |
| 94 | 100 | LDR-Unbiased | 3.525 | 3.341 | -0.184 |
| 95 | 100 | LDR-Unbiased | 3.459 | 3.845 | 0.386 |
| 96 | 100 | LDR-Unbiased | 2.998 | 3.592 | 0.594 |
| 106 | 50 | LDR-Biased | 2.939 | 3.509 | 0.57 |
| 108 | 50 | LDR-Biased | 3.266 | 3.7 | 0.434 |
| 109 | 50 | LDR-Biased | 3.739 | 3.247 | -0.492 |
| 110 | 50 | LDR-Biased | 3.513 | 3.052 | -0.461 |
| 111 | 50 | LDR-Biased | 3.737 | 3.534 | -0.203 |
| 112 | 50 | LDR-Unbiased | 3.284 | 3.318 | 0.034 |
| 113 | 50 | LDR-Unbiased | 3.886 | 3.654 | -0.232 |
| 115 | 50 | LDR-Unbiased | 3.367 | 3.809 | 0.442 |
| 116 | 50 | LDR-Unbiased | 3.734 | 3.68 | -0.054 |
| 117 | 50 | LDR-Unbiased | 3.116 | 3.168 | 0.052 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.113 | 3.305 | 3.497 | 0.27153 | 3.113 | 3.305 | 3.497 | 0.27153 | 0 | 0 | 0 | 0 |
| 3 | 2.939 | 3.4581 | 3.886 | 0.31286 | 2.887 | 3.4742 | 3.879 | 0.35609 | -0.62 | 0.0161 | 0.763 | 0.44454 |
| 10 | 2.939 | 3.4581 | 3.886 | 0.31286 | 2.934 | 3.4957 | 3.823 | 0.32134 | -0.792 | 0.0376 | 0.469 | 0.39372 |
| 30 | 2.939 | 3.4581 | 3.886 | 0.31286 | 2.906 | 3.2027 | 3.784 | 0.2987 | -0.917 | -0.2554 | 0.221 | 0.40948 |
| 50 | 2.939 | 3.4581 | 3.886 | 0.31286 | 3.052 | 3.4671 | 3.809 | 0.25605 | -0.492 | 0.009 | 0.57 | 0.37479 |
| 100 | 2.856 | 3.3551 | 3.758 | 0.31883 | 3.218 | 3.6 | 3.909 | 0.26185 | -0.238 | 0.24488 | 1.015 | 0.44388 |

# Device Test: 5.31 tpd_EN2_SD/EN2/7/3/0/0/0/@TPD_EN



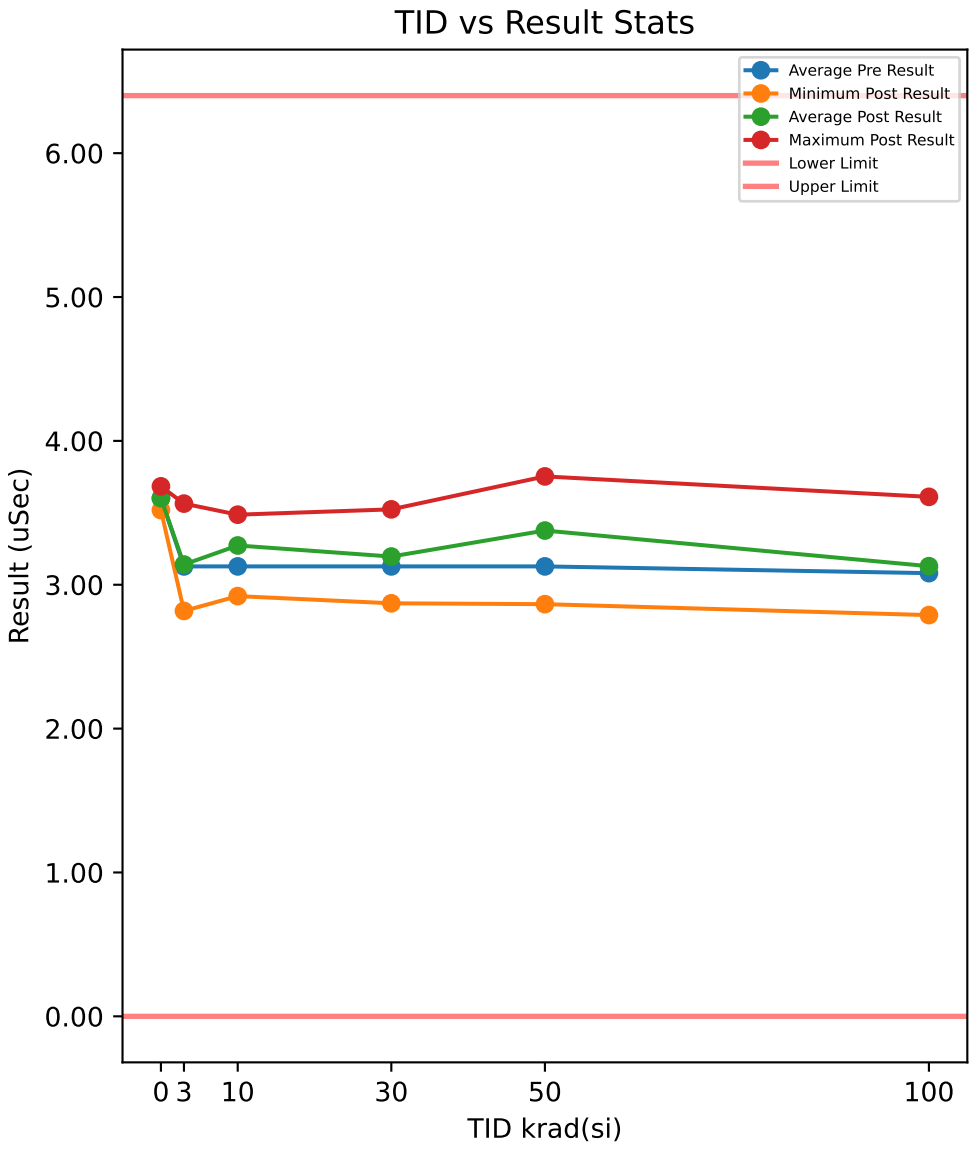

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

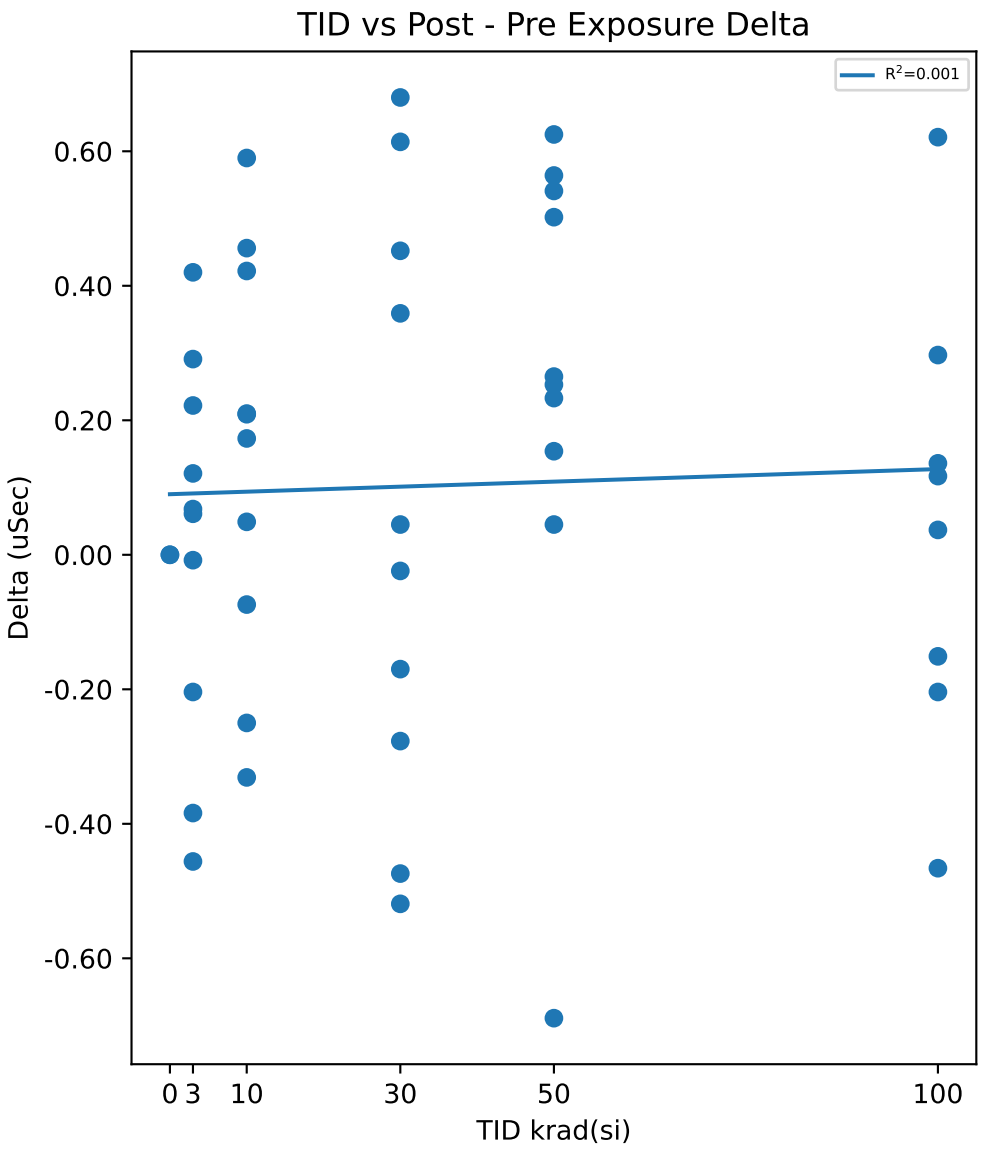
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.065 | 3.065 | 0 |
| 7 | 0 | Correlation | 3.309 | 3.309 | 0 |
| 16 | 3 | LDR-Biased | 3.45 | 3.698 | 0.248 |
| 18 | 3 | LDR-Biased | 3.756 | 2.866 | -0.89 |
| 19 | 3 | LDR-Biased | 2.926 | 3.148 | 0.222 |
| 20 | 3 | LDR-Biased | 3.202 | 3.719 | 0.517 |
| 21 | 3 | LDR-Biased | 3.304 | 3.378 | 0.074 |
| 22 | 3 | LDR-Unbiased | 3.652 | 3.135 | -0.517 |
| 23 | 3 | LDR-Unbiased | 3.136 | 2.928 | -0.208 |
| 25 | 3 | LDR-Unbiased | 3.432 | 3.223 | -0.209 |
| 26 | 3 | LDR-Unbiased | 2.892 | 3.346 | 0.454 |
| 27 | 3 | LDR-Unbiased | 3.326 | 3.622 | 0.296 |
| 46 | 10 | LDR-Biased | 3.45 | 3.268 | -0.182 |
| 48 | 10 | LDR-Biased | 3.756 | 3.06 | -0.696 |
| 49 | 10 | LDR-Biased | 2.926 | 2.968 | 0.042 |
| 50 | 10 | LDR-Biased | 3.202 | 3.366 | 0.164 |
| 51 | 10 | LDR-Biased | 3.304 | 2.837 | -0.467 |
| 52 | 10 | LDR-Unbiased | 3.652 | 3.081 | -0.571 |
| 53 | 10 | LDR-Unbiased | 3.136 | 3.092 | -0.044 |
| 55 | 10 | LDR-Unbiased | 3.432 | 3.646 | 0.214 |
| 56 | 10 | LDR-Unbiased | 2.892 | 2.875 | -0.017 |
| 57 | 10 | LDR-Unbiased | 3.326 | 3.467 | 0.141 |
| 76 | 30 | LDR-Biased | 3.45 | 3.119 | -0.331 |
| 78 | 30 | LDR-Biased | 3.756 | 3.69 | -0.066 |
| 79 | 30 | LDR-Biased | 2.926 | 3.338 | 0.412 |
| 80 | 30 | LDR-Biased | 3.202 | 3.777 | 0.575 |
| 81 | 30 | LDR-Biased | 3.304 | 3.378 | 0.074 |
| 82 | 30 | LDR-Unbiased | 3.652 | 2.899 | -0.753 |
| 83 | 30 | LDR-Unbiased | 3.136 | 3.855 | 0.719 |
| 84 | 30 | LDR-Unbiased | 3.326 | 3.666 | 0.34 |
| 85 | 30 | LDR-Unbiased | 3.432 | 3.091 | -0.341 |
| 86 | 30 | LDR-Unbiased | 2.892 | 3.732 | 0.84 |
| 87 | 100 | LDR-Biased | 2.907 | 3.013 | 0.106 |
| 88 | 100 | LDR-Biased | 3.192 | 3.731 | 0.539 |
| 90 | 100 | LDR-Biased | 3.115 | 3.661 | 0.546 |
| 91 | 100 | LDR-Unbiased | 3.291 | 3.022 | -0.269 |
| 93 | 100 | LDR-Unbiased | 3.582 | 3.475 | -0.107 |
| 94 | 100 | LDR-Unbiased | 3.772 | 3.68 | -0.092 |
| 95 | 100 | LDR-Unbiased | 3.491 | 3.868 | 0.377 |
| 96 | 100 | LDR-Unbiased | 3.175 | 3.781 | 0.606 |
| 106 | 50 | LDR-Biased | 3.45 | 3.214 | -0.236 |
| 108 | 50 | LDR-Biased | 3.756 | 3.568 | -0.188 |
| 109 | 50 | LDR-Biased | 2.926 | 3.801 | 0.875 |
| 110 | 50 | LDR-Biased | 3.202 | 2.942 | -0.26 |
| 111 | 50 | LDR-Biased | 3.304 | 2.997 | -0.307 |
| 112 | 50 | LDR-Unbiased | 3.652 | 2.889 | -0.763 |
| 113 | 50 | LDR-Unbiased | 3.136 | 3.635 | 0.499 |
| 115 | 50 | LDR-Unbiased | 3.432 | 3.691 | 0.259 |
| 116 | 50 | LDR-Unbiased | 2.892 | 3.05 | 0.158 |
| 117 | 50 | LDR-Unbiased | 3.326 | 3.739 | 0.413 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.065 | 3.187 | 3.309 | 0.17253 | 3.065 | 3.187 | 3.309 | 0.17253 | 0 | 0 | 0 | 0 |
| 3 | 2.892 | 3.3076 | 3.756 | 0.2818 | 2.866 | 3.3063 | 3.719 | 0.3034 | -0.89 | -0.0013 | 0.517 | 0.45014 |
| 10 | 2.892 | 3.3076 | 3.756 | 0.2818 | 2.837 | 3.166 | 3.646 | 0.26404 | -0.696 | -0.1416 | 0.214 | 0.32621 |
| 30 | 2.892 | 3.3076 | 3.756 | 0.2818 | 2.899 | 3.4545 | 3.855 | 0.33571 | -0.753 | 0.1469 | 0.84 | 0.51913 |
| 50 | 2.892 | 3.3076 | 3.756 | 0.2818 | 2.889 | 3.3526 | 3.801 | 0.36694 | -0.763 | 0.045 | 0.875 | 0.48213 |
| 100 | 2.907 | 3.3156 | 3.772 | 0.28104 | 3.013 | 3.5289 | 3.868 | 0.33502 | -0.269 | 0.21325 | 0.606 | 0.34594 |

# Device Test: 5.32 tpd_EN3_SD/EN3/7/3/0/0/0/@TPD_EN



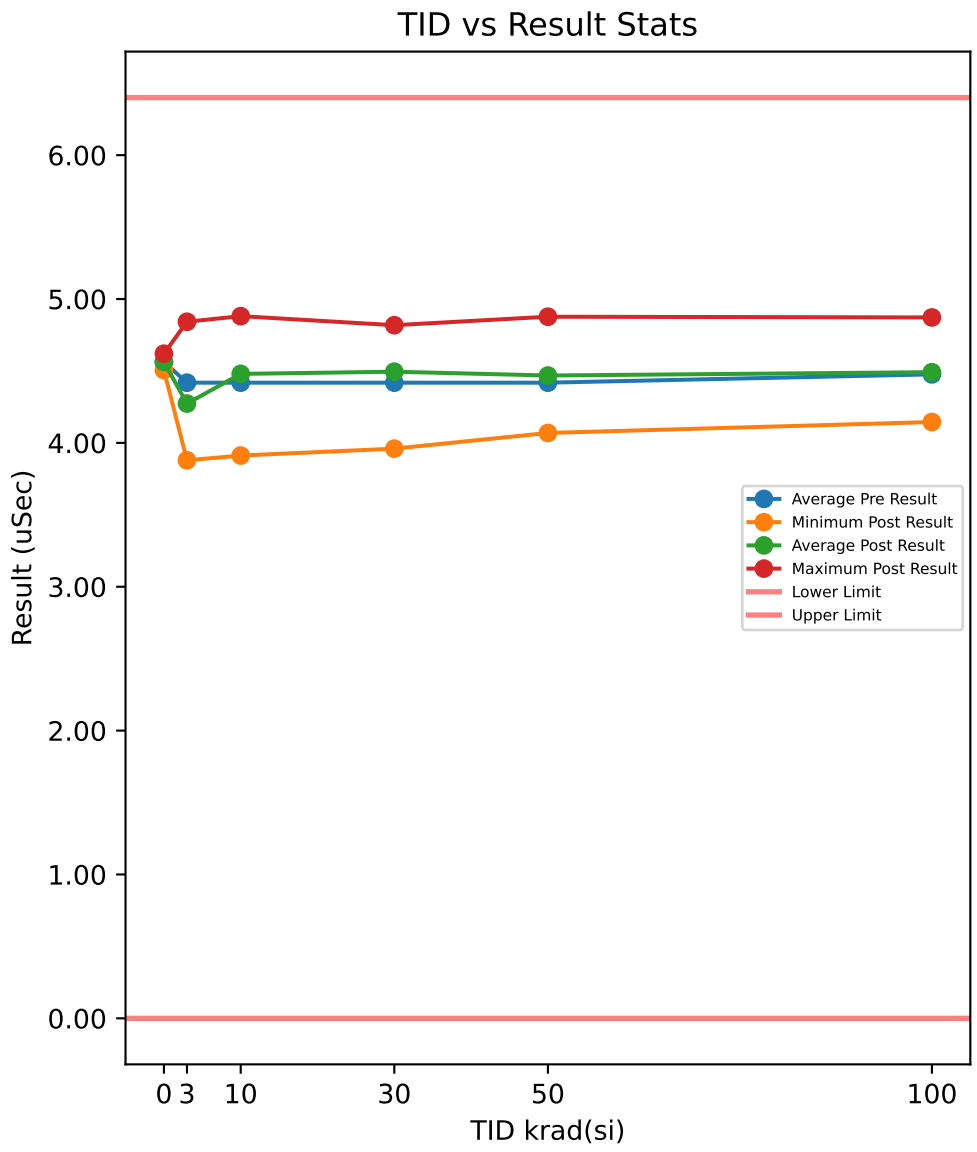

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

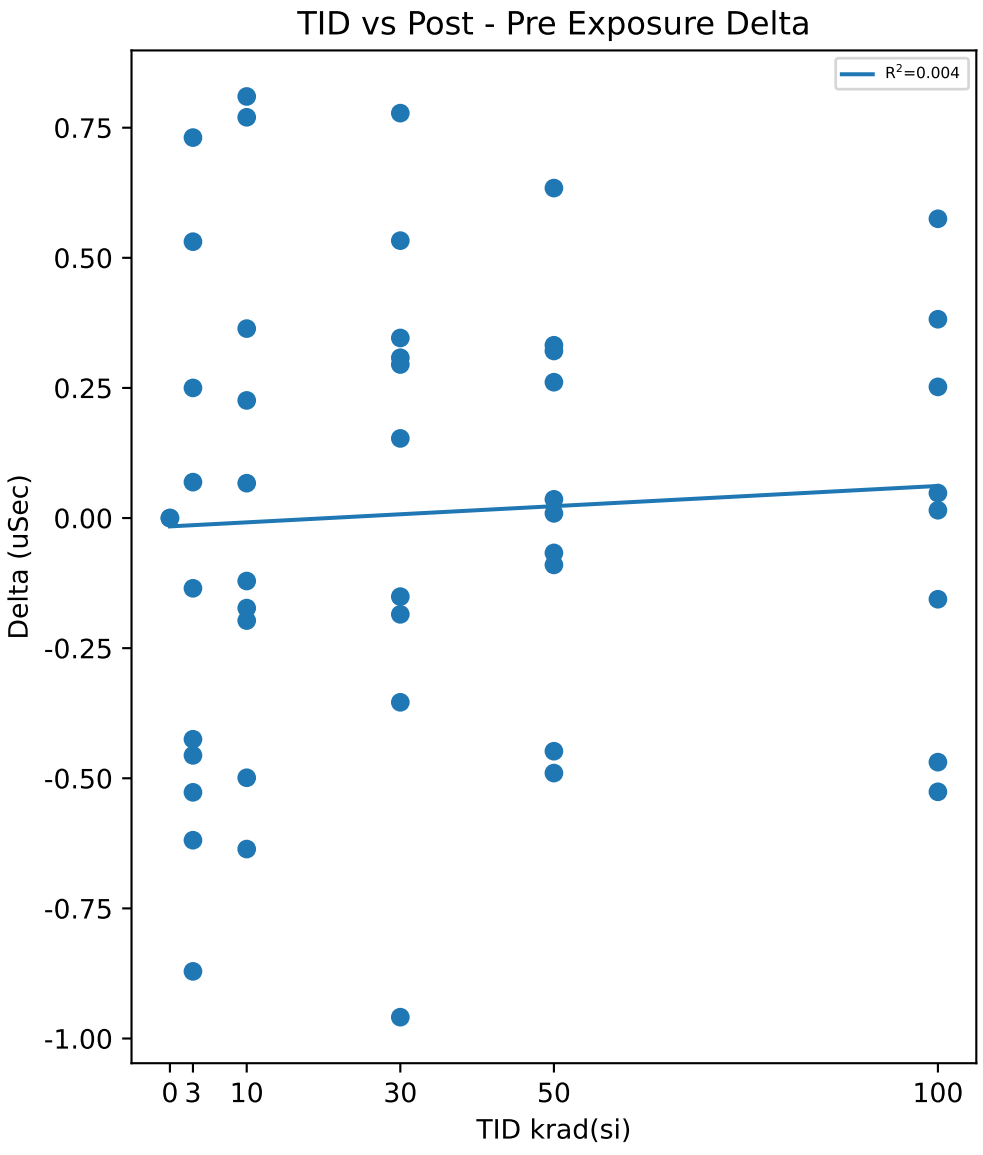
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.519 | 3.519 | 0 |
| 7 | 0 | Correlation | 3.684 | 3.684 | 0 |
| 16 | 3 | LDR-Biased | 3.171 | 3.292 | 0.121 |
| 18 | 3 | LDR-Biased | 3.273 | 3.564 | 0.291 |
| 19 | 3 | LDR-Biased | 2.826 | 2.818 | -0.008 |
| 20 | 3 | LDR-Biased | 2.782 | 3.004 | 0.222 |
| 21 | 3 | LDR-Biased | 3.128 | 2.924 | -0.204 |
| 22 | 3 | LDR-Unbiased | 3.432 | 3.048 | -0.384 |
| 23 | 3 | LDR-Unbiased | 3.134 | 3.202 | 0.068 |
| 25 | 3 | LDR-Unbiased | 2.91 | 3.33 | 0.42 |
| 26 | 3 | LDR-Unbiased | 3.065 | 3.126 | 0.061 |
| 27 | 3 | LDR-Unbiased | 3.554 | 3.098 | -0.456 |
| 46 | 10 | LDR-Biased | 3.171 | 2.921 | -0.25 |
| 48 | 10 | LDR-Biased | 3.273 | 3.482 | 0.209 |
| 49 | 10 | LDR-Biased | 2.826 | 3.282 | 0.456 |
| 50 | 10 | LDR-Biased | 2.782 | 3.372 | 0.59 |
| 51 | 10 | LDR-Biased | 3.128 | 3.301 | 0.173 |
| 52 | 10 | LDR-Unbiased | 3.432 | 3.101 | -0.331 |
| 53 | 10 | LDR-Unbiased | 3.134 | 3.344 | 0.21 |
| 55 | 10 | LDR-Unbiased | 2.91 | 2.959 | 0.049 |
| 56 | 10 | LDR-Unbiased | 3.065 | 3.487 | 0.422 |
| 57 | 10 | LDR-Unbiased | 3.554 | 3.48 | -0.074 |
| 76 | 30 | LDR-Biased | 3.171 | 3.147 | -0.024 |
| 78 | 30 | LDR-Biased | 3.273 | 2.996 | -0.277 |
| 79 | 30 | LDR-Biased | 2.826 | 2.871 | 0.045 |
| 80 | 30 | LDR-Biased | 2.782 | 3.462 | 0.68 |
| 81 | 30 | LDR-Biased | 3.128 | 3.487 | 0.359 |
| 82 | 30 | LDR-Unbiased | 3.432 | 2.913 | -0.519 |
| 83 | 30 | LDR-Unbiased | 3.134 | 2.964 | -0.17 |
| 84 | 30 | LDR-Unbiased | 3.554 | 3.08 | -0.474 |
| 85 | 30 | LDR-Unbiased | 2.91 | 3.524 | 0.614 |
| 86 | 30 | LDR-Unbiased | 3.065 | 3.517 | 0.452 |
| 87 | 100 | LDR-Biased | 3.385 | 3.422 | 0.037 |
| 88 | 100 | LDR-Biased | 2.99 | 3.611 | 0.621 |
| 90 | 100 | LDR-Biased | 3.255 | 2.789 | -0.466 |
| 91 | 100 | LDR-Unbiased | 2.925 | 3.222 | 0.297 |
| 93 | 100 | LDR-Unbiased | 3.115 | 2.964 | -0.151 |
| 94 | 100 | LDR-Unbiased | 3.278 | 3.074 | -0.204 |
| 95 | 100 | LDR-Unbiased | 2.797 | 2.933 | 0.136 |
| 96 | 100 | LDR-Unbiased | 2.9 | 3.017 | 0.117 |
| 106 | 50 | LDR-Biased | 3.171 | 3.712 | 0.541 |
| 108 | 50 | LDR-Biased | 3.273 | 3.318 | 0.045 |
| 109 | 50 | LDR-Biased | 2.826 | 3.39 | 0.564 |
| 110 | 50 | LDR-Biased | 2.782 | 3.284 | 0.502 |
| 111 | 50 | LDR-Biased | 3.128 | 3.753 | 0.625 |
| 112 | 50 | LDR-Unbiased | 3.432 | 3.586 | 0.154 |
| 113 | 50 | LDR-Unbiased | 3.134 | 3.367 | 0.233 |
| 115 | 50 | LDR-Unbiased | 2.91 | 3.163 | 0.253 |
| 116 | 50 | LDR-Unbiased | 3.065 | 3.33 | 0.265 |
| 117 | 50 | LDR-Unbiased | 3.554 | 2.865 | -0.689 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.519 | 3.6015 | 3.684 | 0.11667 | 3.519 | 3.6015 | 3.684 | 0.11667 | 0 | 0 | 0 | 0 |
| 3 | 2.782 | 3.1275 | 3.554 | 0.24927 | 2.818 | 3.1406 | 3.564 | 0.21656 | -0.456 | 0.0131 | 0.42 | 0.28455 |
| 10 | 2.782 | 3.1275 | 3.554 | 0.24927 | 2.921 | 3.2729 | 3.487 | 0.21085 | -0.331 | 0.1454 | 0.59 | 0.30191 |
| 30 | 2.782 | 3.1275 | 3.554 | 0.24927 | 2.871 | 3.1961 | 3.524 | 0.2711 | -0.519 | 0.0686 | 0.68 | 0.43815 |
| 50 | 2.782 | 3.1275 | 3.554 | 0.24927 | 2.865 | 3.3768 | 3.753 | 0.26243 | -0.689 | 0.2493 | 0.625 | 0.3831 |
| 100 | 2.797 | 3.0806 | 3.385 | 0.21 | 2.789 | 3.129 | 3.611 | 0.2735 | -0.466 | 0.048375 | 0.621 | 0.33172 |

# Device Test: 5.33 tpd_EN4_SD/EN4/7/3/0/0/0/@TPD_EN



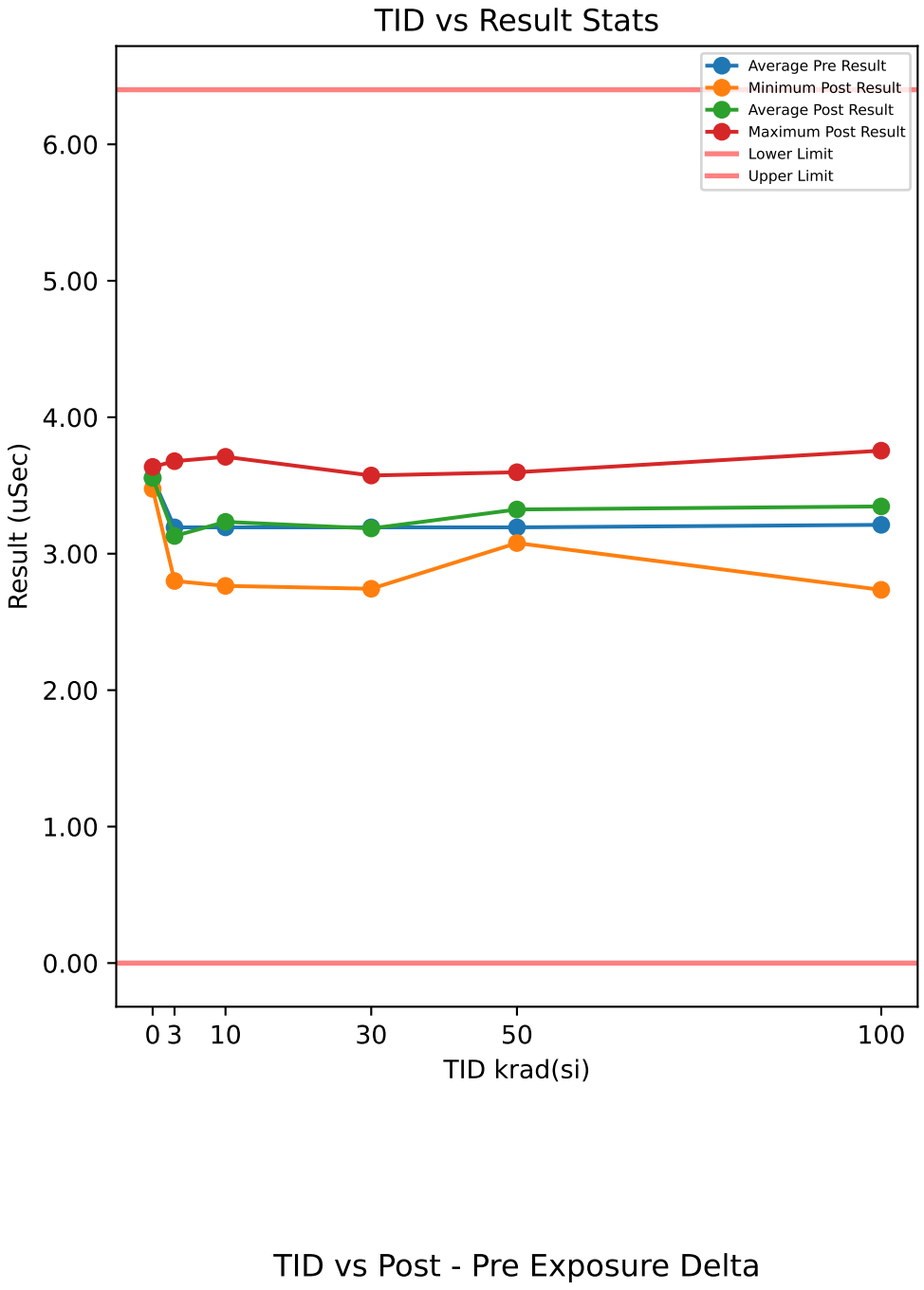

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

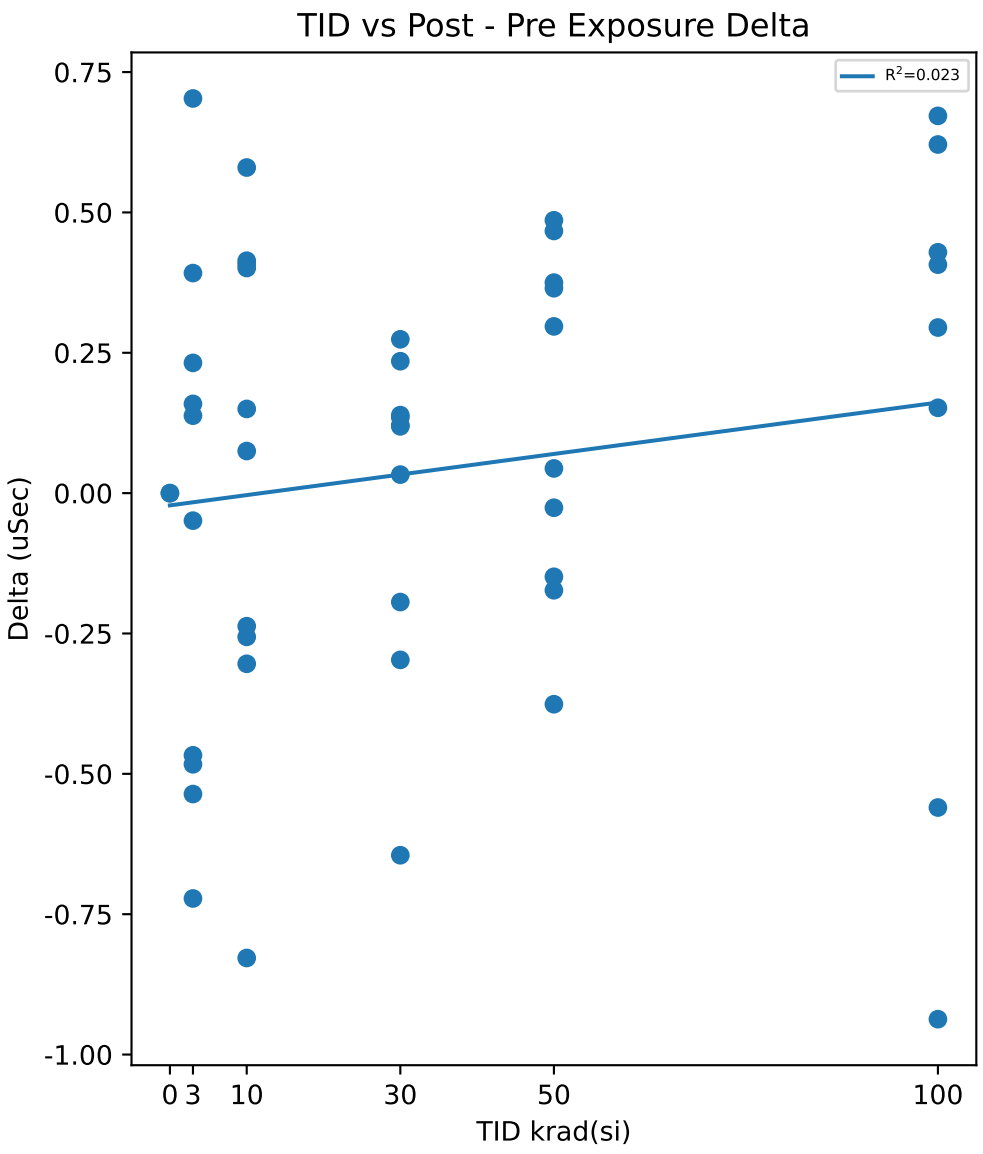
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 4.506 | 4.506 | 0 |
| 7 | 0 | Correlation | 4.62 | 4.62 | 0 |
| 16 | 3 | LDR-Biased | 4.83 | 4.374 | -0.456 |
| 18 | 3 | LDR-Biased | 4.406 | 3.879 | -0.527 |
| 19 | 3 | LDR-Biased | 4.111 | 4.842 | 0.731 |
| 20 | 3 | LDR-Biased | 4.665 | 4.24 | -0.425 |
| 21 | 3 | LDR-Biased | 4.621 | 4.002 | -0.619 |
| 22 | 3 | LDR-Unbiased | 4 | 4.531 | 0.531 |
| 23 | 3 | LDR-Unbiased | 4.967 | 4.096 | -0.871 |
| 25 | 3 | LDR-Unbiased | 4.252 | 4.321 | 0.069 |
| 26 | 3 | LDR-Unbiased | 4.033 | 3.898 | -0.135 |
| 27 | 3 | LDR-Unbiased | 4.3 | 4.55 | 0.25 |
| 46 | 10 | LDR-Biased | 4.83 | 4.657 | -0.173 |
| 48 | 10 | LDR-Biased | 4.406 | 4.632 | 0.226 |
| 49 | 10 | LDR-Biased | 4.111 | 4.881 | 0.77 |
| 50 | 10 | LDR-Biased | 4.665 | 4.468 | -0.197 |
| 51 | 10 | LDR-Biased | 4.621 | 4.122 | -0.499 |
| 52 | 10 | LDR-Unbiased | 4 | 4.81 | 0.81 |
| 53 | 10 | LDR-Unbiased | 4.967 | 4.331 | -0.636 |
| 55 | 10 | LDR-Unbiased | 4.252 | 4.616 | 0.364 |
| 56 | 10 | LDR-Unbiased | 4.033 | 3.912 | -0.121 |
| 57 | 10 | LDR-Unbiased | 4.3 | 4.367 | 0.067 |
| 76 | 30 | LDR-Biased | 4.83 | 4.476 | -0.354 |
| 78 | 30 | LDR-Biased | 4.406 | 4.714 | 0.308 |
| 79 | 30 | LDR-Biased | 4.111 | 3.96 | -0.151 |
| 80 | 30 | LDR-Biased | 4.665 | 4.818 | 0.153 |
| 81 | 30 | LDR-Biased | 4.621 | 4.436 | -0.185 |
| 82 | 30 | LDR-Unbiased | 4 | 4.533 | 0.533 |
| 83 | 30 | LDR-Unbiased | 4.967 | 4.008 | -0.959 |
| 84 | 30 | LDR-Unbiased | 4.3 | 4.646 | 0.346 |
| 85 | 30 | LDR-Unbiased | 4.252 | 4.547 | 0.295 |
| 86 | 30 | LDR-Unbiased | 4.033 | 4.811 | 0.778 |
| 87 | 100 | LDR-Biased | 4.676 | 4.52 | -0.156 |
| 88 | 100 | LDR-Biased | 4.66 | 4.675 | 0.015 |
| 90 | 100 | LDR-Biased | 4.671 | 4.145 | -0.526 |
| 91 | 100 | LDR-Unbiased | 4.827 | 4.358 | -0.469 |
| 93 | 100 | LDR-Unbiased | 4.342 | 4.39 | 0.048 |
| 94 | 100 | LDR-Unbiased | 4.49 | 4.872 | 0.382 |
| 95 | 100 | LDR-Unbiased | 3.943 | 4.195 | 0.252 |
| 96 | 100 | LDR-Unbiased | 4.202 | 4.777 | 0.575 |
| 106 | 50 | LDR-Biased | 4.83 | 4.34 | -0.49 |
| 108 | 50 | LDR-Biased | 4.406 | 4.339 | -0.067 |
| 109 | 50 | LDR-Biased | 4.111 | 4.745 | 0.634 |
| 110 | 50 | LDR-Biased | 4.665 | 4.217 | -0.448 |
| 111 | 50 | LDR-Biased | 4.621 | 4.63 | 0.009 |
| 112 | 50 | LDR-Unbiased | 4 | 4.321 | 0.321 |
| 113 | 50 | LDR-Unbiased | 4.967 | 4.877 | -0.09 |
| 115 | 50 | LDR-Unbiased | 4.252 | 4.513 | 0.261 |
| 116 | 50 | LDR-Unbiased | 4.033 | 4.069 | 0.036 |
| 117 | 50 | LDR-Unbiased | 4.3 | 4.632 | 0.332 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 4.506 | 4.563 | 4.62 | 0.08061 | 4.506 | 4.563 | 4.62 | 0.08061 | 0 | 0 | 0 | 0 |
| 3 | 4 | 4.4185 | 4.967 | 0.33865 | 3.879 | 4.2733 | 4.842 | 0.31292 | -0.871 | -0.1452 | 0.731 | 0.52695 |
| 10 | 4 | 4.4185 | 4.967 | 0.33865 | 3.912 | 4.4796 | 4.881 | 0.30341 | -0.636 | 0.0611 | 0.81 | 0.48724 |
| 30 | 4 | 4.4185 | 4.967 | 0.33865 | 3.96 | 4.4949 | 4.818 | 0.29932 | -0.959 | 0.0764 | 0.778 | 0.50089 |
| 50 | 4 | 4.4185 | 4.967 | 0.33865 | 4.069 | 4.4683 | 4.877 | 0.25298 | -0.49 | 0.0498 | 0.634 | 0.35171 |
| 100 | 3.943 | 4.4764 | 4.827 | 0.29578 | 4.145 | 4.4915 | 4.872 | 0.26642 | -0.526 | 0.015125 | 0.575 | 0.38945 |

# Device Test: 5.34 tpd_SEQ_SD/SEQ_DONE/7/3/0/0/0/@TPD_SEQ_DONE




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

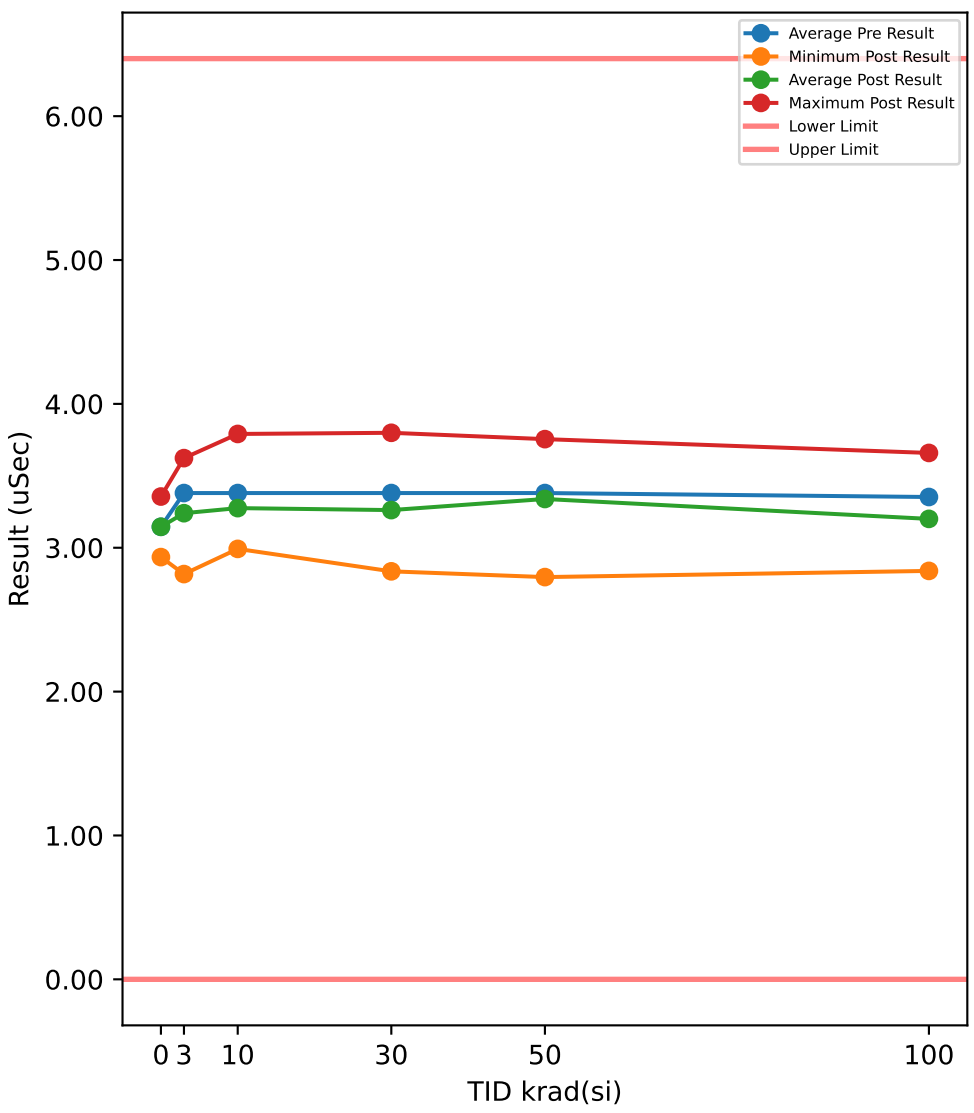
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.636 | 3.636 | 0 |
| 7 | 0 | Correlation | 3.475 | 3.475 | 0 |
| 16 | 3 | LDR-Biased | 3.13 | 3.289 | 0.159 |
| 18 | 3 | LDR-Biased | 2.975 | 3.678 | 0.703 |
| 19 | 3 | LDR-Biased | 3.454 | 2.918 | -0.536 |
| 20 | 3 | LDR-Biased | 2.881 | 3.019 | 0.138 |
| 21 | 3 | LDR-Biased | 3.592 | 2.87 | -0.722 |
| 22 | 3 | LDR-Unbiased | 3.283 | 2.8 | -0.483 |
| 23 | 3 | LDR-Unbiased | 3.046 | 3.438 | 0.392 |
| 25 | 3 | LDR-Unbiased | 2.895 | 2.846 | -0.049 |
| 26 | 3 | LDR-Unbiased | 3.388 | 3.62 | 0.232 |
| 27 | 3 | LDR-Unbiased | 3.286 | 2.819 | -0.467 |
| 46 | 10 | LDR-Biased | 3.13 | 3.71 | 0.58 |
| 48 | 10 | LDR-Biased | 2.975 | 3.389 | 0.414 |
| 49 | 10 | LDR-Biased | 3.454 | 3.198 | -0.256 |
| 50 | 10 | LDR-Biased | 2.881 | 3.282 | 0.401 |
| 51 | 10 | LDR-Biased | 3.592 | 2.764 | -0.828 |
| 52 | 10 | LDR-Unbiased | 3.283 | 2.979 | -0.304 |
| 53 | 10 | LDR-Unbiased | 3.046 | 3.454 | 0.408 |
| 55 | 10 | LDR-Unbiased | 2.895 | 3.045 | 0.15 |
| 56 | 10 | LDR-Unbiased | 3.388 | 3.151 | -0.237 |
| 57 | 10 | LDR-Unbiased | 3.286 | 3.361 | 0.075 |
| 76 | 30 | LDR-Biased | 3.13 | 3.265 | 0.135 |
| 78 | 30 | LDR-Biased | 2.975 | 3.114 | 0.139 |
| 79 | 30 | LDR-Biased | 3.454 | 3.573 | 0.119 |
| 80 | 30 | LDR-Biased | 2.881 | 3.002 | 0.121 |
| 81 | 30 | LDR-Biased | 3.592 | 3.295 | -0.297 |
| 82 | 30 | LDR-Unbiased | 3.283 | 3.089 | -0.194 |
| 83 | 30 | LDR-Unbiased | 3.046 | 3.32 | 0.274 |
| 84 | 30 | LDR-Unbiased | 3.286 | 3.319 | 0.033 |
| 85 | 30 | LDR-Unbiased | 2.895 | 3.13 | 0.235 |
| 86 | 30 | LDR-Unbiased | 3.388 | 2.743 | -0.645 |
| 87 | 100 | LDR-Biased | 3.672 | 2.735 | -0.937 |
| 88 | 100 | LDR-Biased | 3.731 | 3.171 | -0.56 |
| 90 | 100 | LDR-Biased | 2.769 | 3.064 | 0.295 |
| 91 | 100 | LDR-Unbiased | 3.083 | 3.755 | 0.672 |
| 93 | 100 | LDR-Unbiased | 3.312 | 3.741 | 0.429 |
| 94 | 100 | LDR-Unbiased | 2.866 | 3.018 | 0.152 |
| 95 | 100 | LDR-Unbiased | 3.206 | 3.613 | 0.407 |
| 96 | 100 | LDR-Unbiased | 3.053 | 3.674 | 0.621 |
| 106 | 50 | LDR-Biased | 3.13 | 3.597 | 0.467 |
| 108 | 50 | LDR-Biased | 2.975 | 3.272 | 0.297 |
| 109 | 50 | LDR-Biased | 3.454 | 3.078 | -0.376 |
| 110 | 50 | LDR-Biased | 2.881 | 3.246 | 0.365 |
| 111 | 50 | LDR-Biased | 3.592 | 3.443 | -0.149 |
| 112 | 50 | LDR-Unbiased | 3.283 | 3.257 | -0.026 |
| 113 | 50 | LDR-Unbiased | 3.046 | 3.532 | 0.486 |
| 115 | 50 | LDR-Unbiased | 2.895 | 3.27 | 0.375 |
| 116 | 50 | LDR-Unbiased | 3.388 | 3.215 | -0.173 |
| 117 | 50 | LDR-Unbiased | 3.286 | 3.33 | 0.044 |

Test Statistics (uSec)

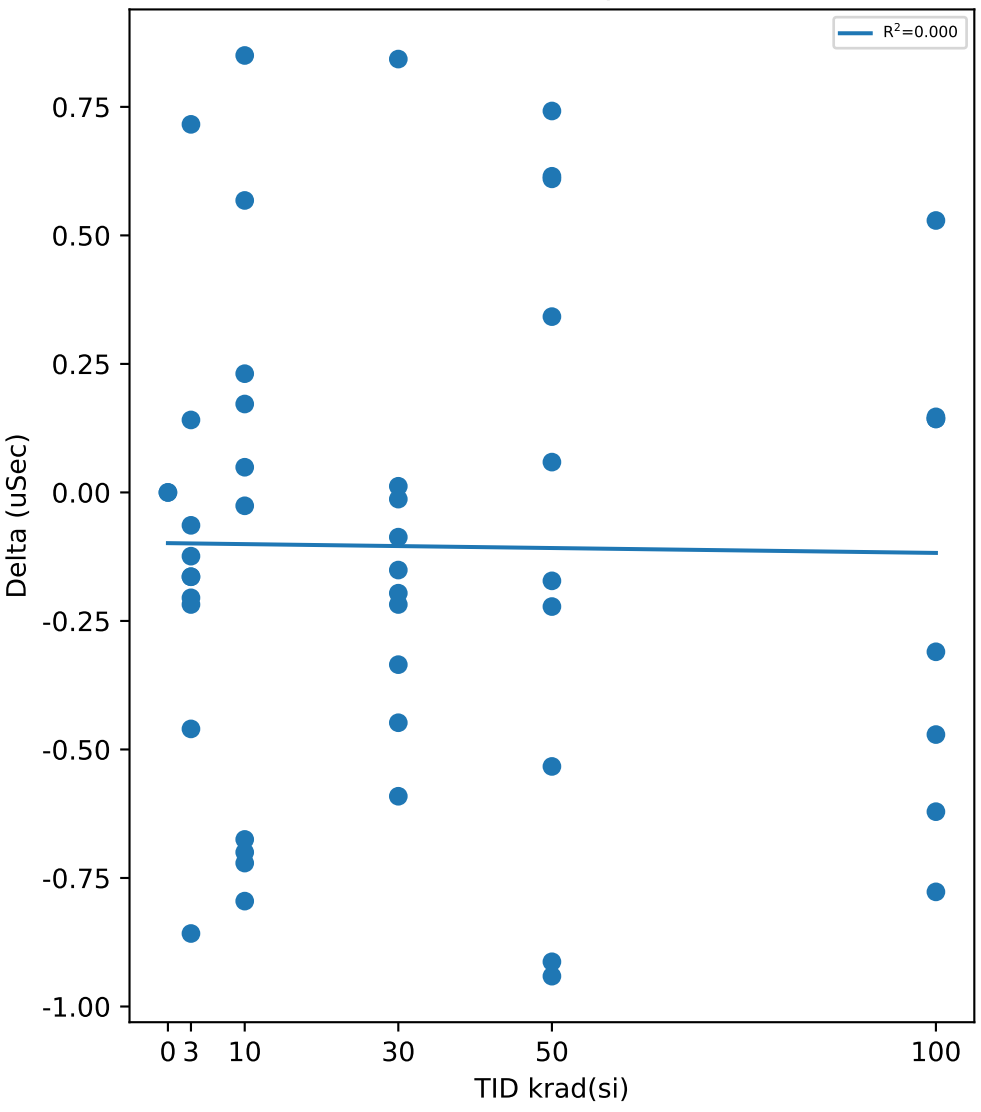
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.475 | 3.5555 | 3.636 | 0.11384 | 3.475 | 3.5555 | 3.636 | 0.11384 | 0 | 0 | 0 | 0 |
| 3 | 2.881 | 3.193 | 3.592 | 0.24525 | 2.8 | 3.1297 | 3.678 | 0.34507 | -0.722 | -0.0633 | 0.703 | 0.46766 |
| 10 | 2.881 | 3.193 | 3.592 | 0.24525 | 2.764 | 3.2333 | 3.71 | 0.26817 | -0.828 | 0.0403 | 0.58 | 0.44054 |
| 30 | 2.881 | 3.193 | 3.592 | 0.24525 | 2.743 | 3.185 | 3.573 | 0.22394 | -0.645 | -0.008 | 0.274 | 0.28654 |
| 50 | 2.881 | 3.193 | 3.592 | 0.24525 | 3.078 | 3.324 | 3.597 | 0.15655 | -0.376 | 0.131 | 0.486 | 0.30566 |
| 100 | 2.769 | 3.2115 | 3.731 | 0.34824 | 2.735 | 3.3464 | 3.755 | 0.39519 | -0.937 | 0.13487 | 0.672 | 0.57856 |

# Device Test: 5.35 tpd_PWRGD_SD/PWRGD/7/3/0/0/0/@TPD_PWRGD

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



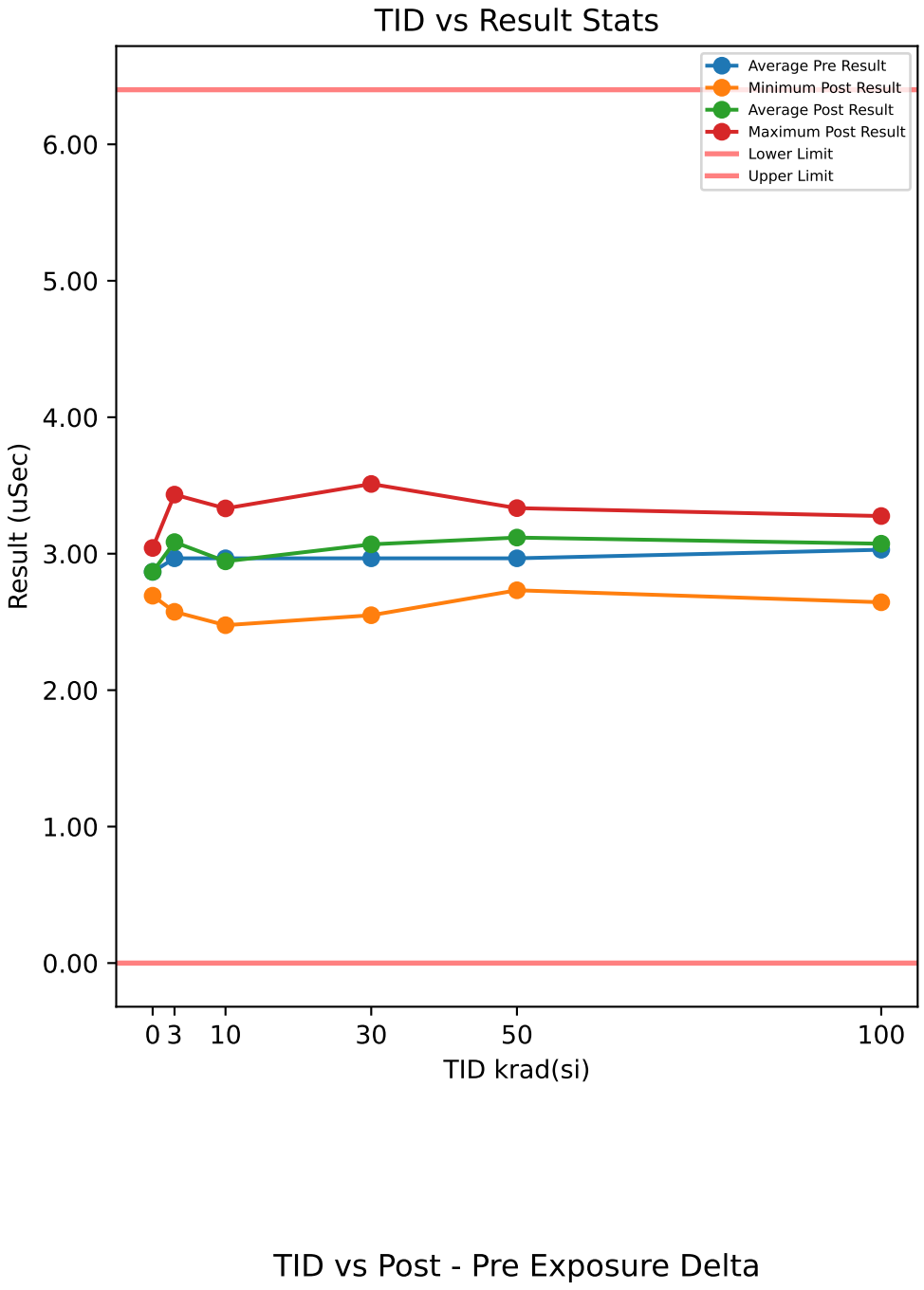

## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

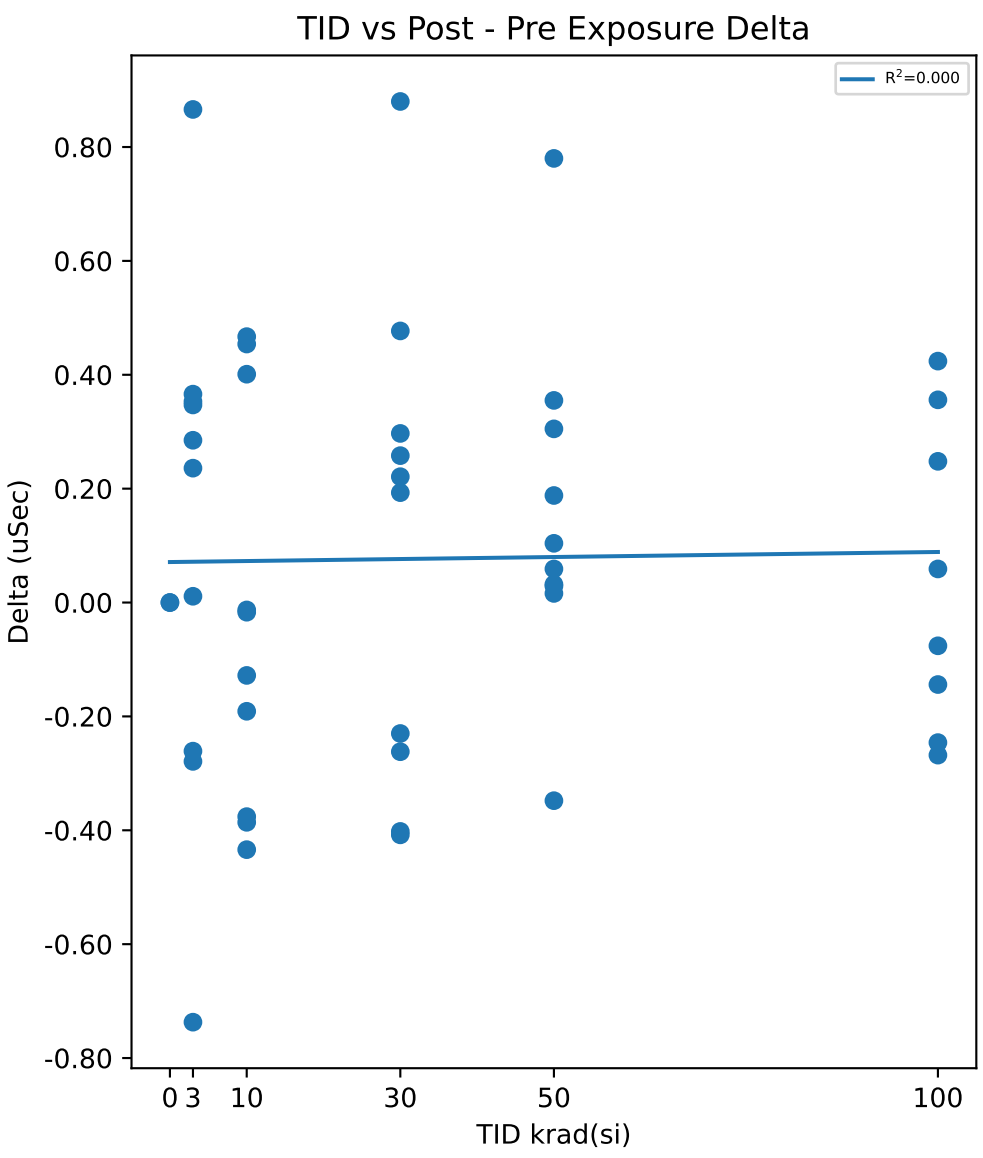
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.356 | 3.356 | 0 |
| 7 | 0 | Correlation | 2.935 | 2.935 | 0 |
| 16 | 3 | LDR-Biased | 3.787 | 3.623 | -0.164 |
| 18 | 3 | LDR-Biased | 3.14 | 3.281 | 0.141 |
| 19 | 3 | LDR-Biased | 2.899 | 3.615 | 0.716 |
| 20 | 3 | LDR-Biased | 3.731 | 3.567 | -0.164 |
| 21 | 3 | LDR-Biased | 3.709 | 3.249 | -0.46 |
| 22 | 3 | LDR-Unbiased | 3.428 | 3.223 | -0.205 |
| 23 | 3 | LDR-Unbiased | 2.941 | 2.817 | -0.124 |
| 25 | 3 | LDR-Unbiased | 3.094 | 3.03 | -0.064 |
| 26 | 3 | LDR-Unbiased | 3.789 | 2.931 | -0.858 |
| 27 | 3 | LDR-Unbiased | 3.284 | 3.066 | -0.218 |
| 46 | 10 | LDR-Biased | 3.787 | 2.992 | -0.795 |
| 48 | 10 | LDR-Biased | 3.14 | 3.189 | 0.049 |
| 49 | 10 | LDR-Biased | 2.899 | 3.467 | 0.568 |
| 50 | 10 | LDR-Biased | 3.731 | 3.01 | -0.721 |
| 51 | 10 | LDR-Biased | 3.709 | 3.009 | -0.7 |
| 52 | 10 | LDR-Unbiased | 3.428 | 3.659 | 0.231 |
| 53 | 10 | LDR-Unbiased | 2.941 | 3.791 | 0.85 |
| 55 | 10 | LDR-Unbiased | 3.094 | 3.266 | 0.172 |
| 56 | 10 | LDR-Unbiased | 3.789 | 3.114 | -0.675 |
| 57 | 10 | LDR-Unbiased | 3.284 | 3.258 | -0.026 |
| 76 | 30 | LDR-Biased | 3.787 | 3.799 | 0.012 |
| 78 | 30 | LDR-Biased | 3.14 | 2.922 | -0.218 |
| 79 | 30 | LDR-Biased | 2.899 | 2.886 | -0.013 |
| 80 | 30 | LDR-Biased | 3.731 | 3.58 | -0.151 |
| 81 | 30 | LDR-Biased | 3.709 | 3.622 | -0.087 |
| 82 | 30 | LDR-Unbiased | 3.428 | 2.837 | -0.591 |
| 83 | 30 | LDR-Unbiased | 2.941 | 3.784 | 0.843 |
| 84 | 30 | LDR-Unbiased | 3.284 | 2.836 | -0.448 |
| 85 | 30 | LDR-Unbiased | 3.094 | 2.898 | -0.196 |
| 86 | 30 | LDR-Unbiased | 3.789 | 3.454 | -0.335 |
| 87 | 100 | LDR-Biased | 3.188 | 3.331 | 0.143 |
| 88 | 100 | LDR-Biased | 3.46 | 2.839 | -0.621 |
| 90 | 100 | LDR-Biased | 3.644 | 2.867 | -0.777 |
| 91 | 100 | LDR-Unbiased | 3.512 | 3.659 | 0.147 |
| 93 | 100 | LDR-Unbiased | 3.022 | 3.165 | 0.143 |
| 94 | 100 | LDR-Unbiased | 3.6 | 3.129 | -0.471 |
| 95 | 100 | LDR-Unbiased | 3.556 | 3.246 | -0.31 |
| 96 | 100 | LDR-Unbiased | 2.84 | 3.369 | 0.529 |
| 106 | 50 | LDR-Biased | 3.787 | 3.254 | -0.533 |
| 108 | 50 | LDR-Biased | 3.14 | 3.755 | 0.615 |
| 109 | 50 | LDR-Biased | 2.899 | 3.641 | 0.742 |
| 110 | 50 | LDR-Biased | 3.731 | 3.509 | -0.222 |
| 111 | 50 | LDR-Biased | 3.709 | 2.796 | -0.913 |
| 112 | 50 | LDR-Unbiased | 3.428 | 3.256 | -0.172 |
| 113 | 50 | LDR-Unbiased | 2.941 | 3.551 | 0.61 |
| 115 | 50 | LDR-Unbiased | 3.094 | 3.153 | 0.059 |
| 116 | 50 | LDR-Unbiased | 3.789 | 2.848 | -0.941 |
| 117 | 50 | LDR-Unbiased | 3.284 | 3.626 | 0.342 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.935 | 3.1455 | 3.356 | 0.29769 | 2.935 | 3.1455 | 3.356 | 0.29769 | 0 | 0 | 0 | 0 |
| 3 | 2.899 | 3.3802 | 3.789 | 0.3558 | 2.817 | 3.2402 | 3.623 | 0.28773 | -0.858 | -0.14 | 0.716 | 0.40099 |
| 10 | 2.899 | 3.3802 | 3.789 | 0.3558 | 2.992 | 3.2755 | 3.791 | 0.27995 | -0.795 | -0.1047 | 0.85 | 0.58869 |
| 30 | 2.899 | 3.3802 | 3.789 | 0.3558 | 2.836 | 3.2618 | 3.799 | 0.419 | -0.591 | -0.1184 | 0.843 | 0.3872 |
| 50 | 2.899 | 3.3802 | 3.789 | 0.3558 | 2.796 | 3.3389 | 3.755 | 0.33418 | -0.941 | -0.0413 | 0.742 | 0.62239 |
| 100 | 2.84 | 3.3527 | 3.644 | 0.29847 | 2.839 | 3.2006 | 3.659 | 0.26886 | -0.777 | -0.15213 | 0.529 | 0.4574 |

# Device Test: 5.36 tpd_EN1_SU/EN1/7/14/0/0/0/@TPD_EN



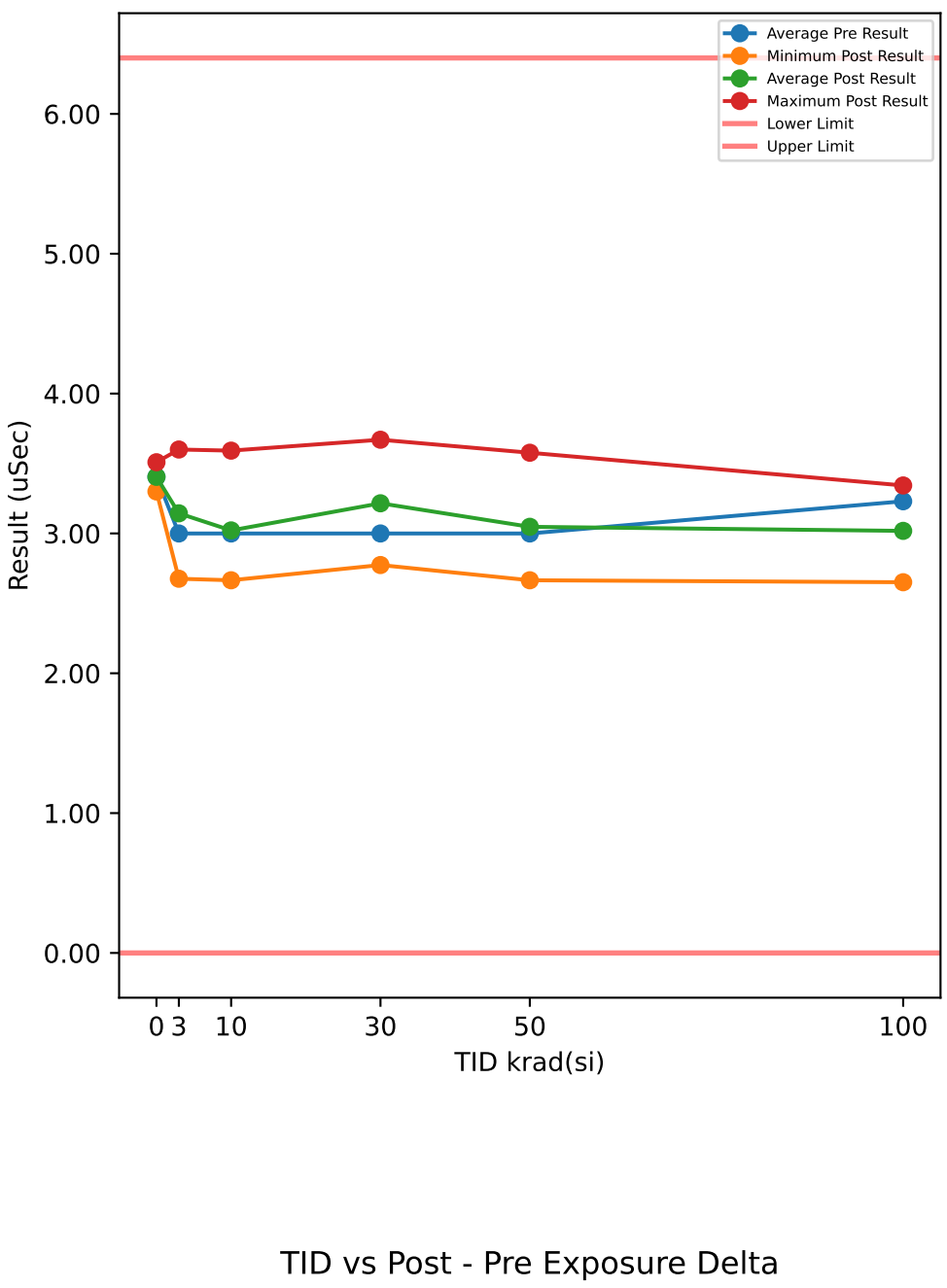

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.692 | 2.692 | 0 |
| 7 | 0 | Correlation | 3.042 | 3.042 | 0 |
| 16 | 3 | LDR-Biased | 3.318 | 2.581 | -0.737 |
| 18 | 3 | LDR-Biased | 2.853 | 2.574 | -0.279 |
| 19 | 3 | LDR-Biased | 3.102 | 3.387 | 0.285 |
| 20 | 3 | LDR-Biased | 2.862 | 3.098 | 0.236 |
| 21 | 3 | LDR-Biased | 2.957 | 2.696 | -0.261 |
| 22 | 3 | LDR-Unbiased | 2.907 | 3.254 | 0.347 |
| 23 | 3 | LDR-Unbiased | 3.08 | 3.433 | 0.353 |
| 25 | 3 | LDR-Unbiased | 2.513 | 3.379 | 0.866 |
| 26 | 3 | LDR-Unbiased | 3.192 | 3.203 | 0.011 |
| 27 | 3 | LDR-Unbiased | 2.878 | 3.244 | 0.366 |
| 46 | 10 | LDR-Biased | 3.318 | 3.127 | -0.191 |
| 48 | 10 | LDR-Biased | 2.853 | 3.254 | 0.401 |
| 49 | 10 | LDR-Biased | 3.102 | 2.974 | -0.128 |
| 50 | 10 | LDR-Biased | 2.862 | 2.476 | -0.386 |
| 51 | 10 | LDR-Biased | 2.957 | 2.944 | -0.013 |
| 52 | 10 | LDR-Unbiased | 2.907 | 2.89 | -0.017 |
| 53 | 10 | LDR-Unbiased | 3.08 | 2.646 | -0.434 |
| 55 | 10 | LDR-Unbiased | 2.513 | 2.98 | 0.467 |
| 56 | 10 | LDR-Unbiased | 3.192 | 2.816 | -0.376 |
| 57 | 10 | LDR-Unbiased | 2.878 | 3.332 | 0.454 |
| 76 | 30 | LDR-Biased | 3.318 | 3.511 | 0.193 |
| 78 | 30 | LDR-Biased | 2.853 | 3.33 | 0.477 |
| 79 | 30 | LDR-Biased | 3.102 | 2.7 | -0.402 |
| 80 | 30 | LDR-Biased | 2.862 | 2.632 | -0.23 |
| 81 | 30 | LDR-Biased | 2.957 | 2.549 | -0.408 |
| 82 | 30 | LDR-Unbiased | 2.907 | 2.645 | -0.262 |
| 83 | 30 | LDR-Unbiased | 3.08 | 3.377 | 0.297 |
| 84 | 30 | LDR-Unbiased | 2.878 | 3.136 | 0.258 |
| 85 | 30 | LDR-Unbiased | 2.513 | 3.393 | 0.88 |
| 86 | 30 | LDR-Unbiased | 3.192 | 3.413 | 0.221 |
| 87 | 100 | LDR-Biased | 2.835 | 3.259 | 0.424 |
| 88 | 100 | LDR-Biased | 2.976 | 3.224 | 0.248 |
| 90 | 100 | LDR-Biased | 3.383 | 3.115 | -0.268 |
| 91 | 100 | LDR-Unbiased | 3.42 | 3.276 | -0.144 |
| 93 | 100 | LDR-Unbiased | 3.033 | 2.787 | -0.246 |
| 94 | 100 | LDR-Unbiased | 3.224 | 3.148 | -0.076 |
| 95 | 100 | LDR-Unbiased | 2.776 | 3.132 | 0.356 |
| 96 | 100 | LDR-Unbiased | 2.585 | 2.644 | 0.059 |
| 106 | 50 | LDR-Biased | 3.318 | 3.334 | 0.016 |
| 108 | 50 | LDR-Biased | 2.853 | 3.158 | 0.305 |
| 109 | 50 | LDR-Biased | 3.102 | 3.161 | 0.059 |
| 110 | 50 | LDR-Biased | 2.862 | 3.217 | 0.355 |
| 111 | 50 | LDR-Biased | 2.957 | 2.986 | 0.029 |
| 112 | 50 | LDR-Unbiased | 2.907 | 3.095 | 0.188 |
| 113 | 50 | LDR-Unbiased | 3.08 | 2.732 | -0.348 |
| 115 | 50 | LDR-Unbiased | 2.513 | 3.293 | 0.78 |
| 116 | 50 | LDR-Unbiased | 3.192 | 3.224 | 0.032 |
| 117 | 50 | LDR-Unbiased | 2.878 | 2.982 | 0.104 |

Test Statistics (uSec)

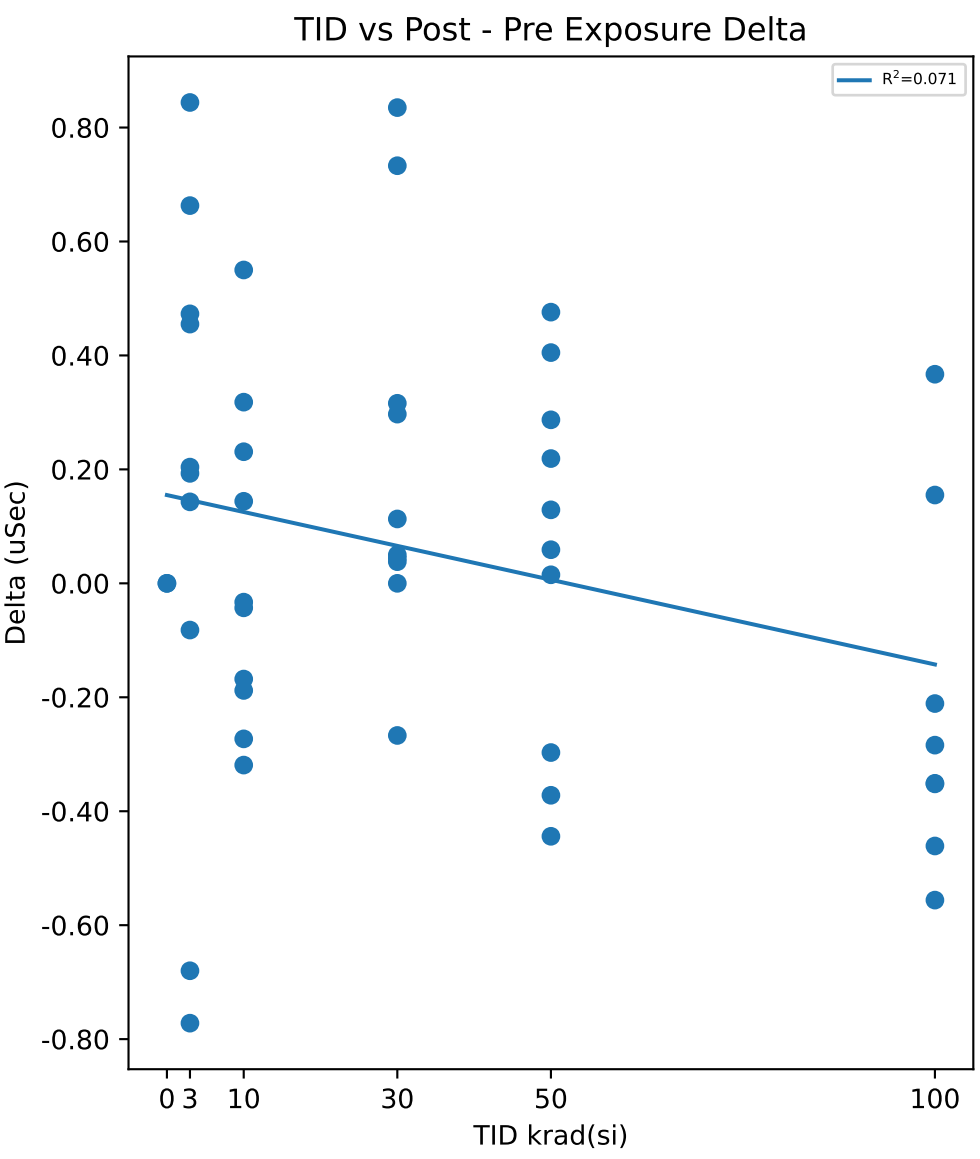
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.692 | 2.867 | 3.042 | 0.24749 | 2.692 | 2.867 | 3.042 | 0.24749 | 0 | 0 | 0 | 0 |
| 3 | 2.513 | 2.9662 | 3.318 | 0.22275 | 2.574 | 3.0849 | 3.433 | 0.33881 | -0.737 | 0.1187 | 0.866 | 0.44897 |
| 10 | 2.513 | 2.9662 | 3.318 | 0.22275 | 2.476 | 2.9439 | 3.332 | 0.26023 | -0.434 | -0.0223 | 0.467 | 0.35152 |
| 30 | 2.513 | 2.9662 | 3.318 | 0.22275 | 2.549 | 3.0686 | 3.511 | 0.38922 | -0.408 | 0.1024 | 0.88 | 0.41999 |
| 50 | 2.513 | 2.9662 | 3.318 | 0.22275 | 2.732 | 3.1182 | 3.334 | 0.17864 | -0.348 | 0.152 | 0.78 | 0.29236 |
| 100 | 2.585 | 3.029 | 3.42 | 0.29709 | 2.644 | 3.0731 | 3.276 | 0.23155 | -0.268 | 0.044125 | 0.424 | 0.27118 |

# Device Test: 5.37 tpd_EN2_SU/EN2/7/14/0/0/0/@TPD_EN




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

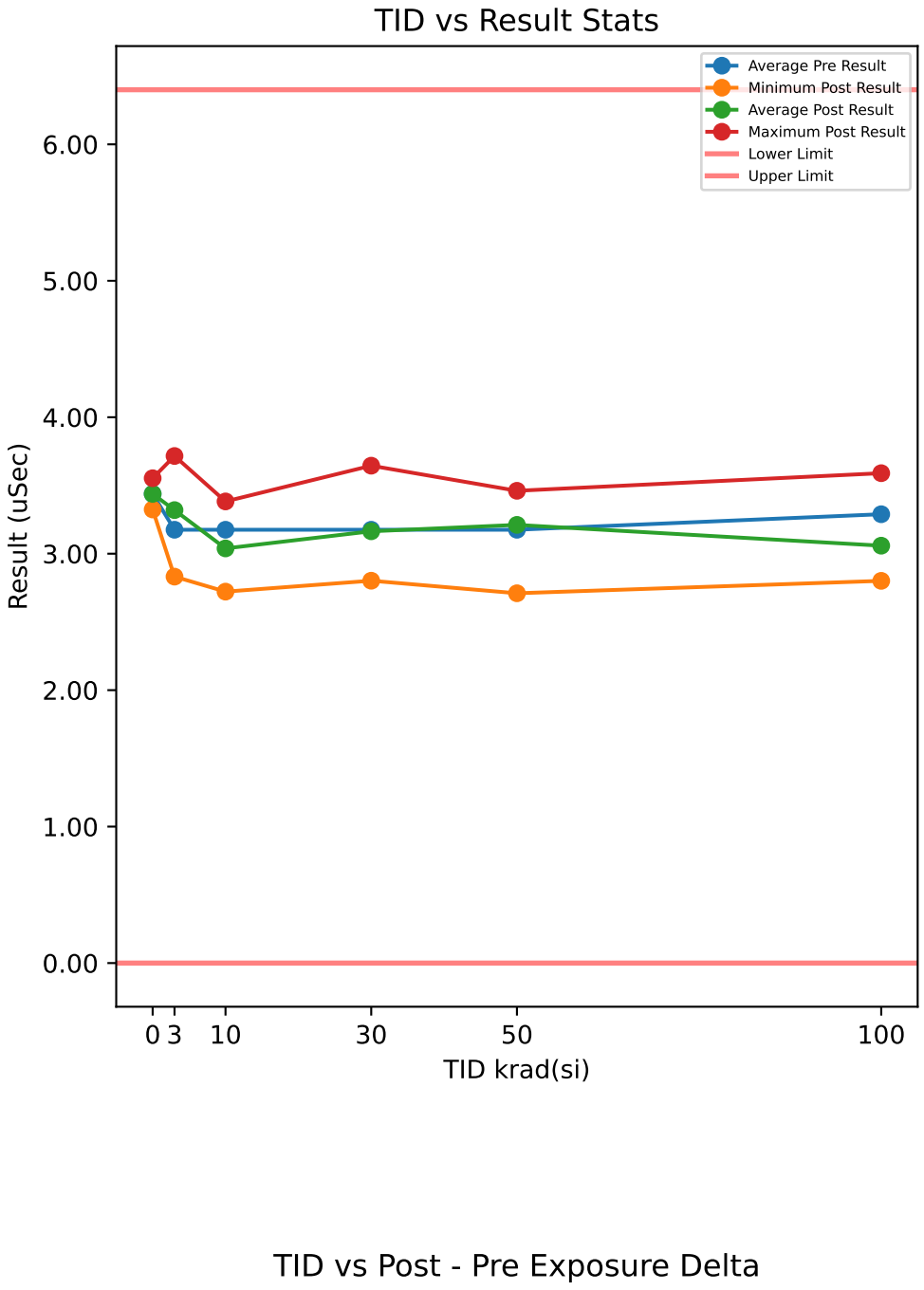
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.3 | 3.3 | 0 |
| 7 | 0 | Correlation | 3.509 | 3.509 | 0 |
| 16 | 3 | LDR-Biased | 2.937 | 3.6 | 0.663 |
| 18 | 3 | LDR-Biased | 2.698 | 2.891 | 0.193 |
| 19 | 3 | LDR-Biased | 3.448 | 2.676 | -0.772 |
| 20 | 3 | LDR-Biased | 3.028 | 2.946 | -0.082 |
| 21 | 3 | LDR-Biased | 3.424 | 2.744 | -0.68 |
| 22 | 3 | LDR-Unbiased | 2.724 | 3.568 | 0.844 |
| 23 | 3 | LDR-Unbiased | 2.793 | 2.997 | 0.204 |
| 25 | 3 | LDR-Unbiased | 3.143 | 3.286 | 0.143 |
| 26 | 3 | LDR-Unbiased | 2.839 | 3.294 | 0.455 |
| 27 | 3 | LDR-Unbiased | 2.962 | 3.435 | 0.473 |
| 46 | 10 | LDR-Biased | 2.937 | 2.769 | -0.168 |
| 48 | 10 | LDR-Biased | 2.698 | 2.665 | -0.033 |
| 49 | 10 | LDR-Biased | 3.448 | 3.592 | 0.144 |
| 50 | 10 | LDR-Biased | 3.028 | 2.84 | -0.188 |
| 51 | 10 | LDR-Biased | 3.424 | 3.151 | -0.273 |
| 52 | 10 | LDR-Unbiased | 2.724 | 2.681 | -0.043 |
| 53 | 10 | LDR-Unbiased | 2.793 | 3.111 | 0.318 |
| 55 | 10 | LDR-Unbiased | 3.143 | 2.824 | -0.319 |
| 56 | 10 | LDR-Unbiased | 2.839 | 3.389 | 0.55 |
| 57 | 10 | LDR-Unbiased | 2.962 | 3.193 | 0.231 |
| 76 | 30 | LDR-Biased | 2.937 | 3.67 | 0.733 |
| 78 | 30 | LDR-Biased | 2.698 | 3.533 | 0.835 |
| 79 | 30 | LDR-Biased | 3.448 | 3.486 | 0.038 |
| 80 | 30 | LDR-Biased | 3.028 | 3.028 | 0 |
| 81 | 30 | LDR-Biased | 3.424 | 3.157 | -0.267 |
| 82 | 30 | LDR-Unbiased | 2.724 | 2.774 | 0.05 |
| 83 | 30 | LDR-Unbiased | 2.793 | 3.109 | 0.316 |
| 84 | 30 | LDR-Unbiased | 2.962 | 3.075 | 0.113 |
| 85 | 30 | LDR-Unbiased | 3.143 | 3.44 | 0.297 |
| 86 | 30 | LDR-Unbiased | 2.839 | 2.883 | 0.044 |
| 87 | 100 | LDR-Biased | 3.495 | 3.284 | -0.211 |
| 88 | 100 | LDR-Biased | 2.976 | 3.343 | 0.367 |
| 90 | 100 | LDR-Biased | 3.028 | 2.677 | -0.351 |
| 91 | 100 | LDR-Unbiased | 3.499 | 3.215 | -0.284 |
| 93 | 100 | LDR-Unbiased | 3.207 | 2.651 | -0.556 |
| 94 | 100 | LDR-Unbiased | 3.081 | 3.236 | 0.155 |
| 95 | 100 | LDR-Unbiased | 3.118 | 2.766 | -0.352 |
| 96 | 100 | LDR-Unbiased | 3.435 | 2.974 | -0.461 |
| 106 | 50 | LDR-Biased | 2.937 | 3.156 | 0.219 |
| 108 | 50 | LDR-Biased | 2.698 | 2.985 | 0.287 |
| 109 | 50 | LDR-Biased | 3.448 | 3.577 | 0.129 |
| 110 | 50 | LDR-Biased | 3.028 | 3.043 | 0.015 |
| 111 | 50 | LDR-Biased | 3.424 | 2.98 | -0.444 |
| 112 | 50 | LDR-Unbiased | 2.724 | 3.129 | 0.405 |
| 113 | 50 | LDR-Unbiased | 2.793 | 2.852 | 0.059 |
| 115 | 50 | LDR-Unbiased | 3.143 | 2.771 | -0.372 |
| 116 | 50 | LDR-Unbiased | 2.839 | 3.315 | 0.476 |
| 117 | 50 | LDR-Unbiased | 2.962 | 2.665 | -0.297 |




Test Statistics (uSec)

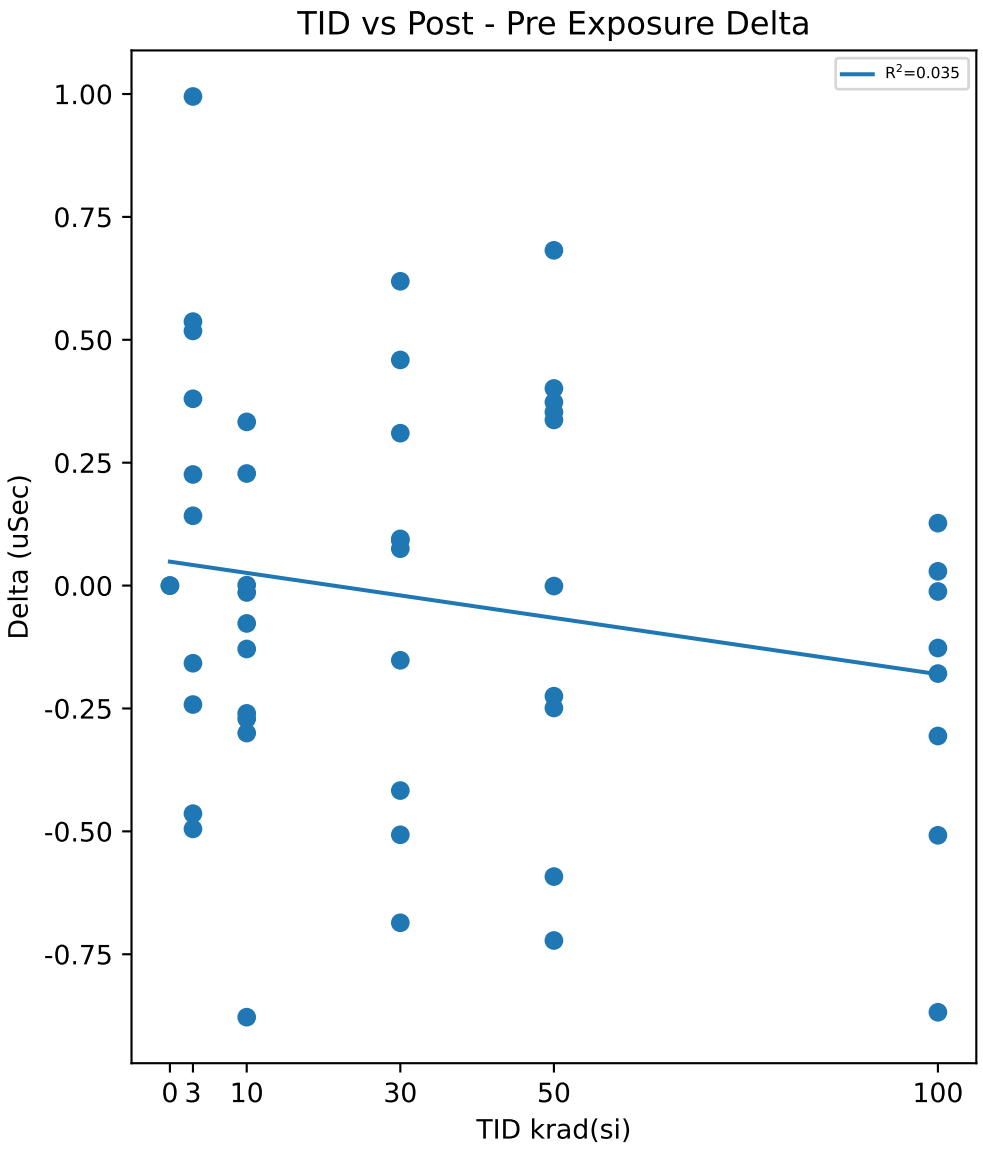
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.3 | 3.4045 | 3.509 | 0.14779 | 3.3 | 3.4045 | 3.509 | 0.14779 | 0 | 0 | 0 | 0 |
| 3 | 2.698 | 2.9996 | 3.448 | 0.26735 | 2.676 | 3.1437 | 3.6 | 0.33647 | -0.772 | 0.1441 | 0.844 | 0.53119 |
| 10 | 2.698 | 2.9996 | 3.448 | 0.26735 | 2.665 | 3.0215 | 3.592 | 0.31508 | -0.319 | 0.0219 | 0.55 | 0.282 |
| 30 | 2.698 | 2.9996 | 3.448 | 0.26735 | 2.774 | 3.2155 | 3.67 | 0.29927 | -0.267 | 0.2159 | 0.835 | 0.34098 |
| 50 | 2.698 | 2.9996 | 3.448 | 0.26735 | 2.665 | 3.0473 | 3.577 | 0.26663 | -0.444 | 0.0477 | 0.476 | 0.32357 |
| 100 | 2.976 | 3.2299 | 3.499 | 0.21554 | 2.651 | 3.0183 | 3.343 | 0.28763 | -0.556 | -0.21163 | 0.367 | 0.31495 |

# Device Test: 5.38 tpd_EN3_SU/EN3/7/14/0/0/0/@TPD_EN




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

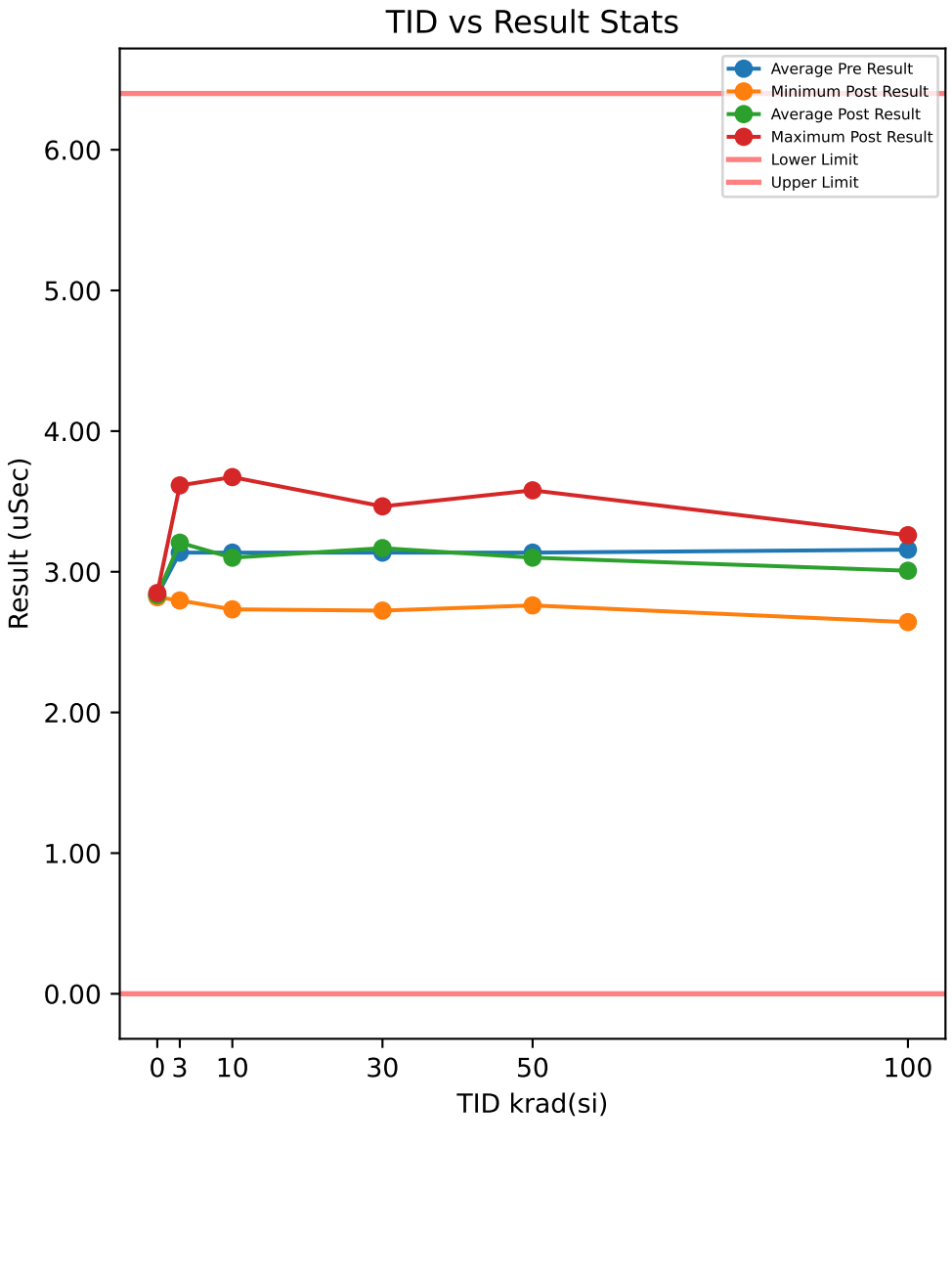
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.553 | 3.553 | 0 |
| 7 | 0 | Correlation | 3.324 | 3.324 | 0 |
| 16 | 3 | LDR-Biased | 2.721 | 3.716 | 0.995 |
| 18 | 3 | LDR-Biased | 2.779 | 3.316 | 0.537 |
| 19 | 3 | LDR-Biased | 3.628 | 3.386 | -0.242 |
| 20 | 3 | LDR-Biased | 3.327 | 2.832 | -0.495 |
| 21 | 3 | LDR-Biased | 3.026 | 3.544 | 0.518 |
| 22 | 3 | LDR-Unbiased | 3.432 | 3.658 | 0.226 |
| 23 | 3 | LDR-Unbiased | 3.488 | 3.024 | -0.464 |
| 25 | 3 | LDR-Unbiased | 3.304 | 3.446 | 0.142 |
| 26 | 3 | LDR-Unbiased | 3.05 | 2.892 | -0.158 |
| 27 | 3 | LDR-Unbiased | 3 | 3.38 | 0.38 |
| 46 | 10 | LDR-Biased | 2.721 | 2.722 | 0.001 |
| 48 | 10 | LDR-Biased | 2.779 | 3.007 | 0.228 |
| 49 | 10 | LDR-Biased | 3.628 | 2.75 | -0.878 |
| 50 | 10 | LDR-Biased | 3.327 | 3.313 | -0.014 |
| 51 | 10 | LDR-Biased | 3.026 | 2.949 | -0.077 |
| 52 | 10 | LDR-Unbiased | 3.432 | 3.303 | -0.129 |
| 53 | 10 | LDR-Unbiased | 3.488 | 3.188 | -0.3 |
| 55 | 10 | LDR-Unbiased | 3.304 | 3.033 | -0.271 |
| 56 | 10 | LDR-Unbiased | 3.05 | 3.383 | 0.333 |
| 57 | 10 | LDR-Unbiased | 3 | 2.74 | -0.26 |
| 76 | 30 | LDR-Biased | 2.721 | 2.816 | 0.095 |
| 78 | 30 | LDR-Biased | 2.779 | 3.089 | 0.31 |
| 79 | 30 | LDR-Biased | 3.628 | 3.476 | -0.152 |
| 80 | 30 | LDR-Biased | 3.327 | 2.82 | -0.507 |
| 81 | 30 | LDR-Biased | 3.026 | 3.645 | 0.619 |
| 82 | 30 | LDR-Unbiased | 3.432 | 3.507 | 0.075 |
| 83 | 30 | LDR-Unbiased | 3.488 | 2.802 | -0.686 |
| 84 | 30 | LDR-Unbiased | 3 | 3.459 | 0.459 |
| 85 | 30 | LDR-Unbiased | 3.304 | 2.887 | -0.417 |
| 86 | 30 | LDR-Unbiased | 3.05 | 3.142 | 0.092 |
| 87 | 100 | LDR-Biased | 3.431 | 2.923 | -0.508 |
| 88 | 100 | LDR-Biased | 3.365 | 3.186 | -0.179 |
| 90 | 100 | LDR-Biased | 3.561 | 3.59 | 0.029 |
| 91 | 100 | LDR-Unbiased | 2.674 | 2.801 | 0.127 |
| 93 | 100 | LDR-Unbiased | 3.225 | 3.213 | -0.012 |
| 94 | 100 | LDR-Unbiased | 3.697 | 2.829 | -0.868 |
| 95 | 100 | LDR-Unbiased | 3.187 | 3.06 | -0.127 |
| 96 | 100 | LDR-Unbiased | 3.174 | 2.868 | -0.306 |
| 106 | 50 | LDR-Biased | 2.721 | 3.074 | 0.353 |
| 108 | 50 | LDR-Biased | 2.779 | 3.461 | 0.682 |
| 109 | 50 | LDR-Biased | 3.628 | 3.036 | -0.592 |
| 110 | 50 | LDR-Biased | 3.327 | 3.326 | -0.001 |
| 111 | 50 | LDR-Biased | 3.026 | 3.363 | 0.337 |
| 112 | 50 | LDR-Unbiased | 3.432 | 2.71 | -0.722 |
| 113 | 50 | LDR-Unbiased | 3.488 | 3.263 | -0.225 |
| 115 | 50 | LDR-Unbiased | 3.304 | 3.055 | -0.249 |
| 116 | 50 | LDR-Unbiased | 3.05 | 3.423 | 0.373 |
| 117 | 50 | LDR-Unbiased | 3 | 3.401 | 0.401 |

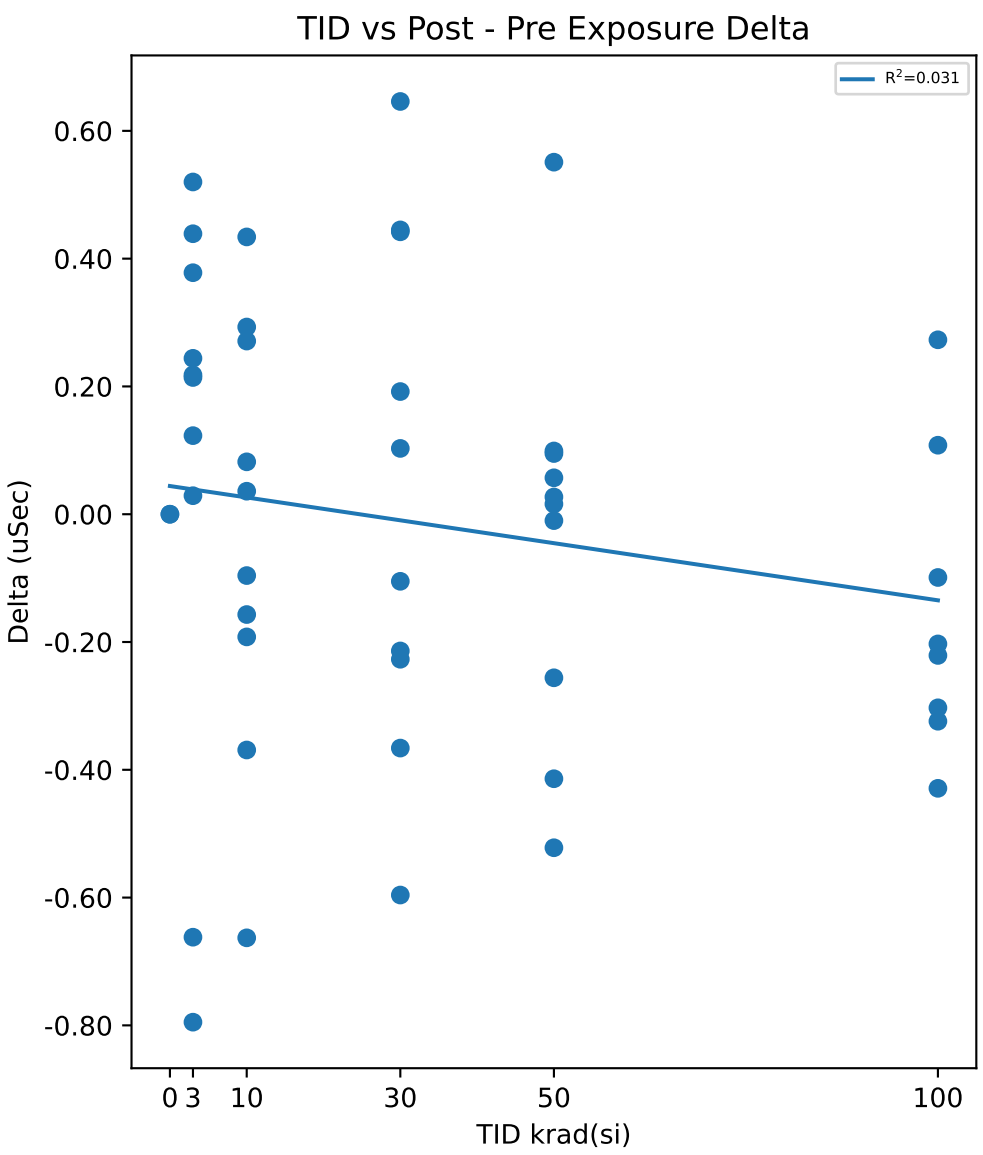



Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.324 | 3.4385 | 3.553 | 0.16193 | 3.324 | 3.4385 | 3.553 | 0.16193 | 0 | 0 | 0 | 0 |
| 3 | 2.721 | 3.1755 | 3.628 | 0.30557 | 2.832 | 3.3194 | 3.716 | 0.30804 | -0.495 | 0.1439 | 0.995 | 0.48295 |
| 10 | 2.721 | 3.1755 | 3.628 | 0.30557 | 2.722 | 3.0388 | 3.383 | 0.25119 | -0.878 | -0.1367 | 0.333 | 0.33345 |
| 30 | 2.721 | 3.1755 | 3.628 | 0.30557 | 2.802 | 3.1643 | 3.645 | 0.33111 | -0.686 | -0.0112 | 0.619 | 0.42641 |
| 50 | 2.721 | 3.1755 | 3.628 | 0.30557 | 2.71 | 3.2112 | 3.461 | 0.23742 | -0.722 | 0.0357 | 0.682 | 0.46843 |
| 100 | 2.674 | 3.2893 | 3.697 | 0.30992 | 2.801 | 3.0587 | 3.59 | 0.26626 | -0.868 | -0.2305 | 0.127 | 0.32631 |

# Device Test: 5.39 tpd_EN4_SU/EN4/7/14/0/0/0/@TPD_EN



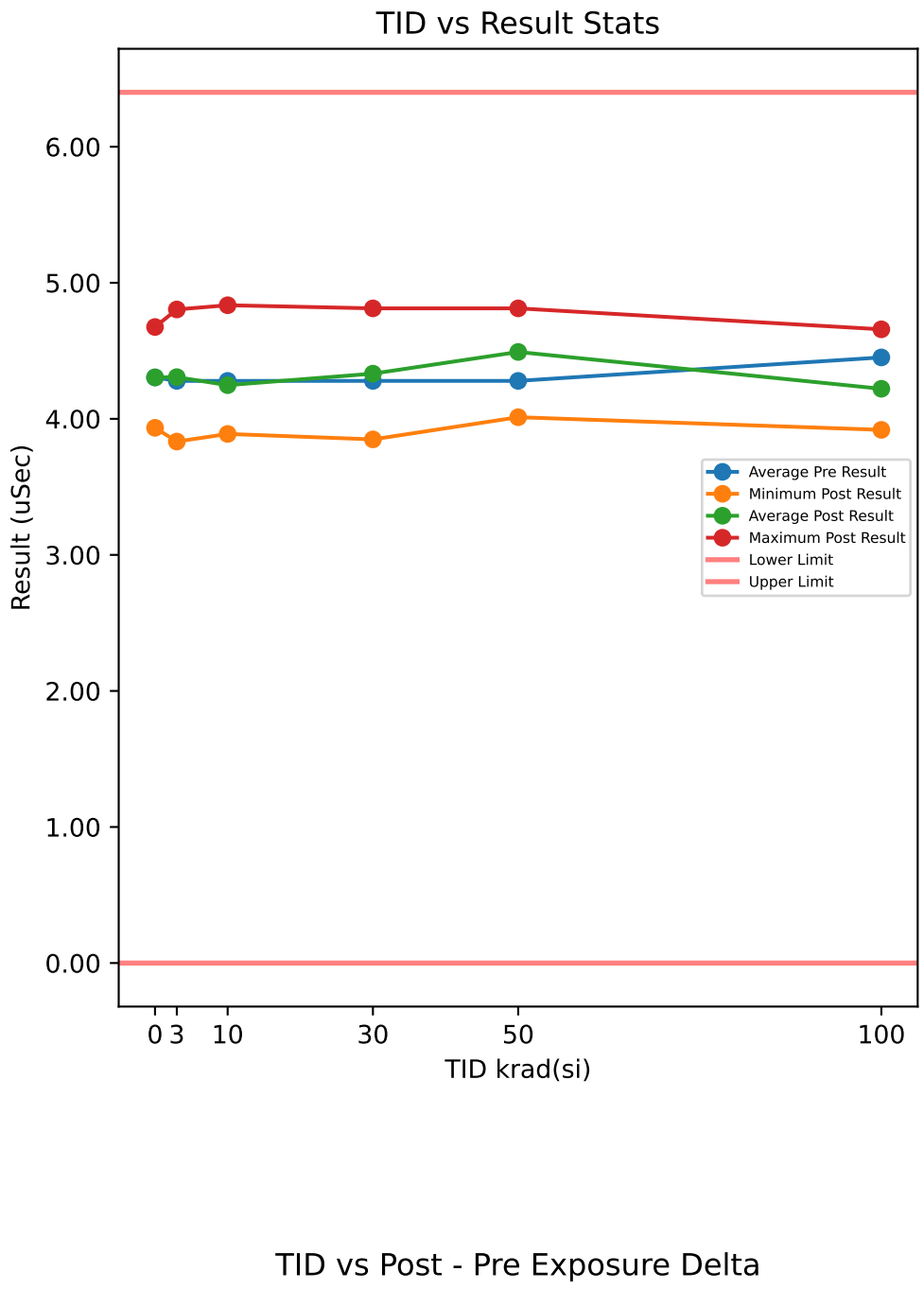

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

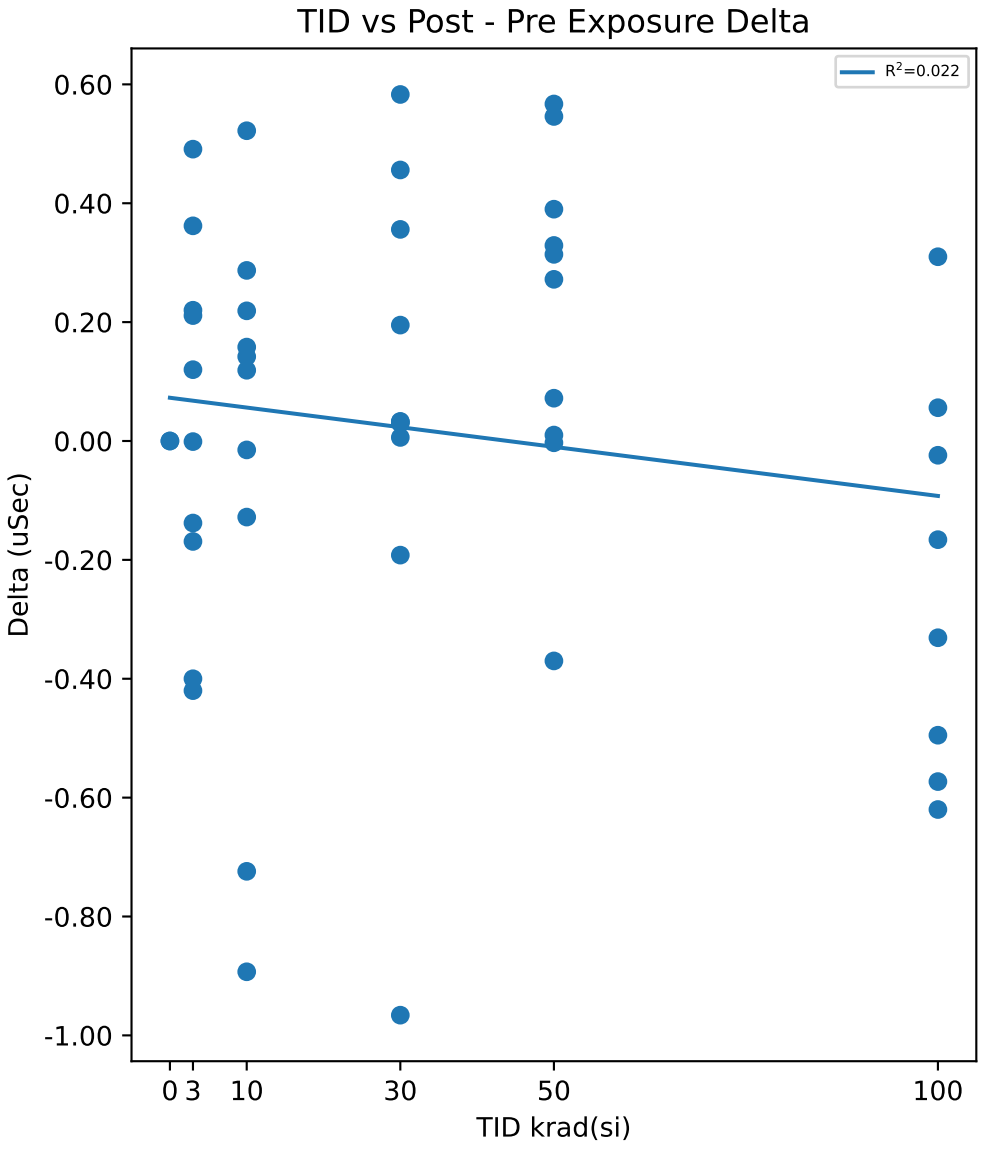
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.819 | 2.819 | 0 |
| 7 | 0 | Correlation | 2.849 | 2.849 | 0 |
| 16 | 3 | LDR-Biased | 3.02 | 3.398 | 0.378 |
| 18 | 3 | LDR-Biased | 3.522 | 3.551 | 0.029 |
| 19 | 3 | LDR-Biased | 3.591 | 2.796 | -0.795 |
| 20 | 3 | LDR-Biased | 2.996 | 3.24 | 0.244 |
| 21 | 3 | LDR-Biased | 2.939 | 3.062 | 0.123 |
| 22 | 3 | LDR-Unbiased | 2.867 | 3.085 | 0.218 |
| 23 | 3 | LDR-Unbiased | 3.678 | 3.016 | -0.662 |
| 25 | 3 | LDR-Unbiased | 2.745 | 3.265 | 0.52 |
| 26 | 3 | LDR-Unbiased | 2.829 | 3.043 | 0.214 |
| 27 | 3 | LDR-Unbiased | 3.175 | 3.614 | 0.439 |
| 46 | 10 | LDR-Biased | 3.02 | 2.828 | -0.192 |
| 48 | 10 | LDR-Biased | 3.522 | 3.153 | -0.369 |
| 49 | 10 | LDR-Biased | 3.591 | 3.673 | 0.082 |
| 50 | 10 | LDR-Biased | 2.996 | 3.267 | 0.271 |
| 51 | 10 | LDR-Biased | 2.939 | 3.232 | 0.293 |
| 52 | 10 | LDR-Unbiased | 2.867 | 2.903 | 0.036 |
| 53 | 10 | LDR-Unbiased | 3.678 | 3.015 | -0.663 |
| 55 | 10 | LDR-Unbiased | 2.745 | 3.179 | 0.434 |
| 56 | 10 | LDR-Unbiased | 2.829 | 2.733 | -0.096 |
| 57 | 10 | LDR-Unbiased | 3.175 | 3.018 | -0.157 |
| 76 | 30 | LDR-Biased | 3.02 | 3.465 | 0.445 |
| 78 | 30 | LDR-Biased | 3.522 | 2.926 | -0.596 |
| 79 | 30 | LDR-Biased | 3.591 | 3.364 | -0.227 |
| 80 | 30 | LDR-Biased | 2.996 | 2.782 | -0.214 |
| 81 | 30 | LDR-Biased | 2.939 | 3.131 | 0.192 |
| 82 | 30 | LDR-Unbiased | 2.867 | 3.309 | 0.442 |
| 83 | 30 | LDR-Unbiased | 3.678 | 3.312 | -0.366 |
| 84 | 30 | LDR-Unbiased | 3.175 | 3.278 | 0.103 |
| 85 | 30 | LDR-Unbiased | 2.745 | 3.391 | 0.646 |
| 86 | 30 | LDR-Unbiased | 2.829 | 2.724 | -0.105 |
| 87 | 100 | LDR-Biased | 3.169 | 3.07 | -0.099 |
| 88 | 100 | LDR-Biased | 3.071 | 2.642 | -0.429 |
| 90 | 100 | LDR-Biased | 3.465 | 3.244 | -0.221 |
| 91 | 100 | LDR-Unbiased | 3.182 | 2.979 | -0.203 |
| 93 | 100 | LDR-Unbiased | 3.39 | 3.087 | -0.303 |
| 94 | 100 | LDR-Unbiased | 3.05 | 2.726 | -0.324 |
| 95 | 100 | LDR-Unbiased | 2.778 | 3.051 | 0.273 |
| 96 | 100 | LDR-Unbiased | 3.152 | 3.26 | 0.108 |
| 106 | 50 | LDR-Biased | 3.02 | 3.01 | -0.01 |
| 108 | 50 | LDR-Biased | 3.522 | 3.579 | 0.057 |
| 109 | 50 | LDR-Biased | 3.591 | 3.069 | -0.522 |
| 110 | 50 | LDR-Biased | 2.996 | 3.091 | 0.095 |
| 111 | 50 | LDR-Biased | 2.939 | 3.038 | 0.099 |
| 112 | 50 | LDR-Unbiased | 2.867 | 3.418 | 0.551 |
| 113 | 50 | LDR-Unbiased | 3.678 | 3.264 | -0.414 |
| 115 | 50 | LDR-Unbiased | 2.745 | 2.761 | 0.016 |
| 116 | 50 | LDR-Unbiased | 2.829 | 2.856 | 0.027 |
| 117 | 50 | LDR-Unbiased | 3.175 | 2.919 | -0.256 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.819 | 2.834 | 2.849 | 0.021213 | 2.819 | 2.834 | 2.849 | 0.021213 | 0 | 0 | 0 | 0 |
| 3 | 2.745 | 3.1362 | 3.678 | 0.34037 | 2.796 | 3.207 | 3.614 | 0.25672 | -0.795 | 0.0708 | 0.52 | 0.44659 |
| 10 | 2.745 | 3.1362 | 3.678 | 0.34037 | 2.733 | 3.1001 | 3.673 | 0.26752 | -0.663 | -0.0361 | 0.434 | 0.33151 |
| 30 | 2.745 | 3.1362 | 3.678 | 0.34037 | 2.724 | 3.1682 | 3.465 | 0.26565 | -0.596 | 0.032 | 0.646 | 0.40076 |
| 50 | 2.745 | 3.1362 | 3.678 | 0.34037 | 2.761 | 3.1005 | 3.579 | 0.25335 | -0.522 | -0.0357 | 0.551 | 0.30248 |
| 100 | 2.778 | 3.1571 | 3.465 | 0.21127 | 2.642 | 3.0074 | 3.26 | 0.22215 | -0.429 | -0.14975 | 0.273 | 0.23527 |

# Device Test: 5.4 tpd_SEQ_SU/SEQ_DONE/1.6/3/0/0/0/@TPD_SEQ_DONE



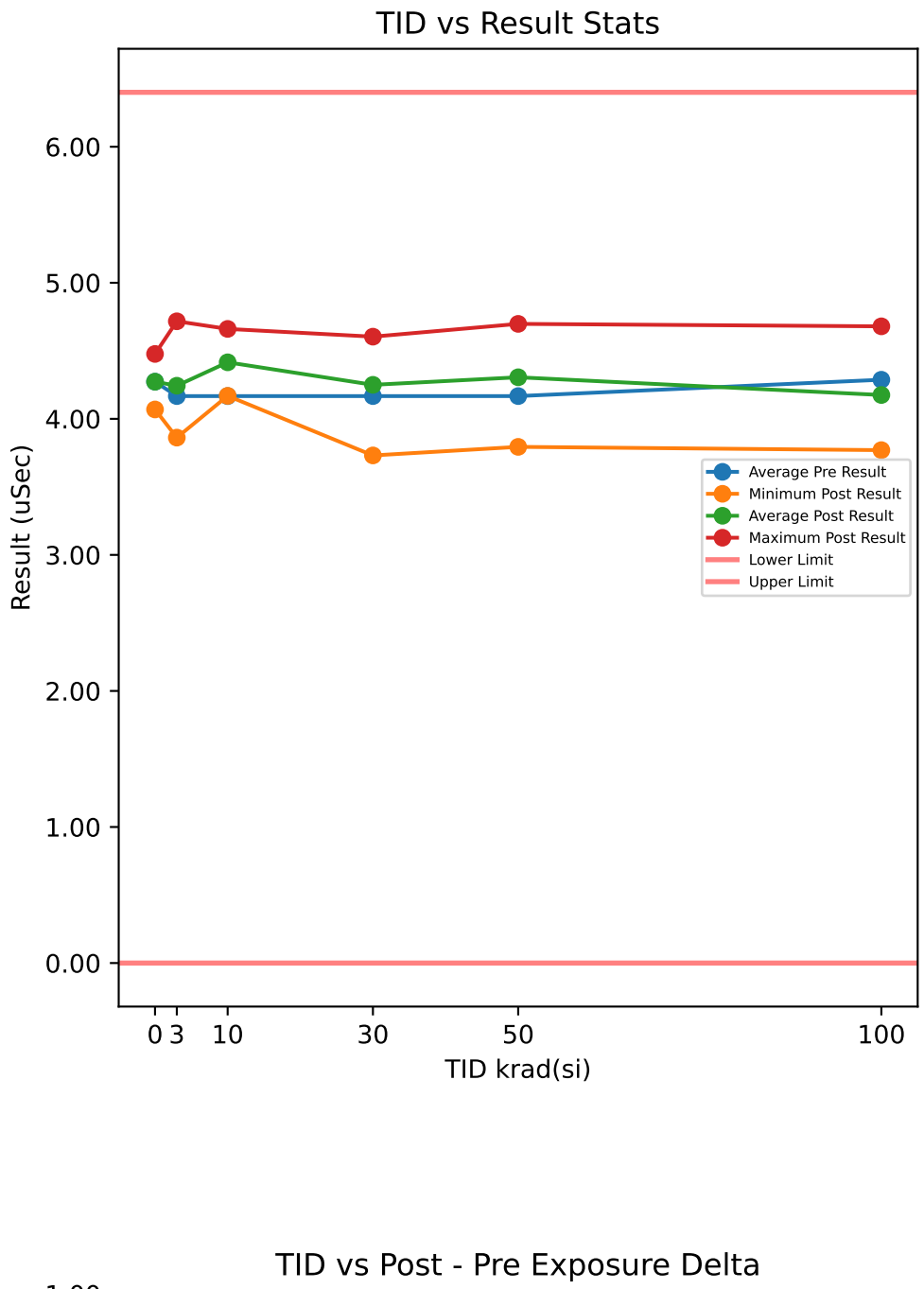

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

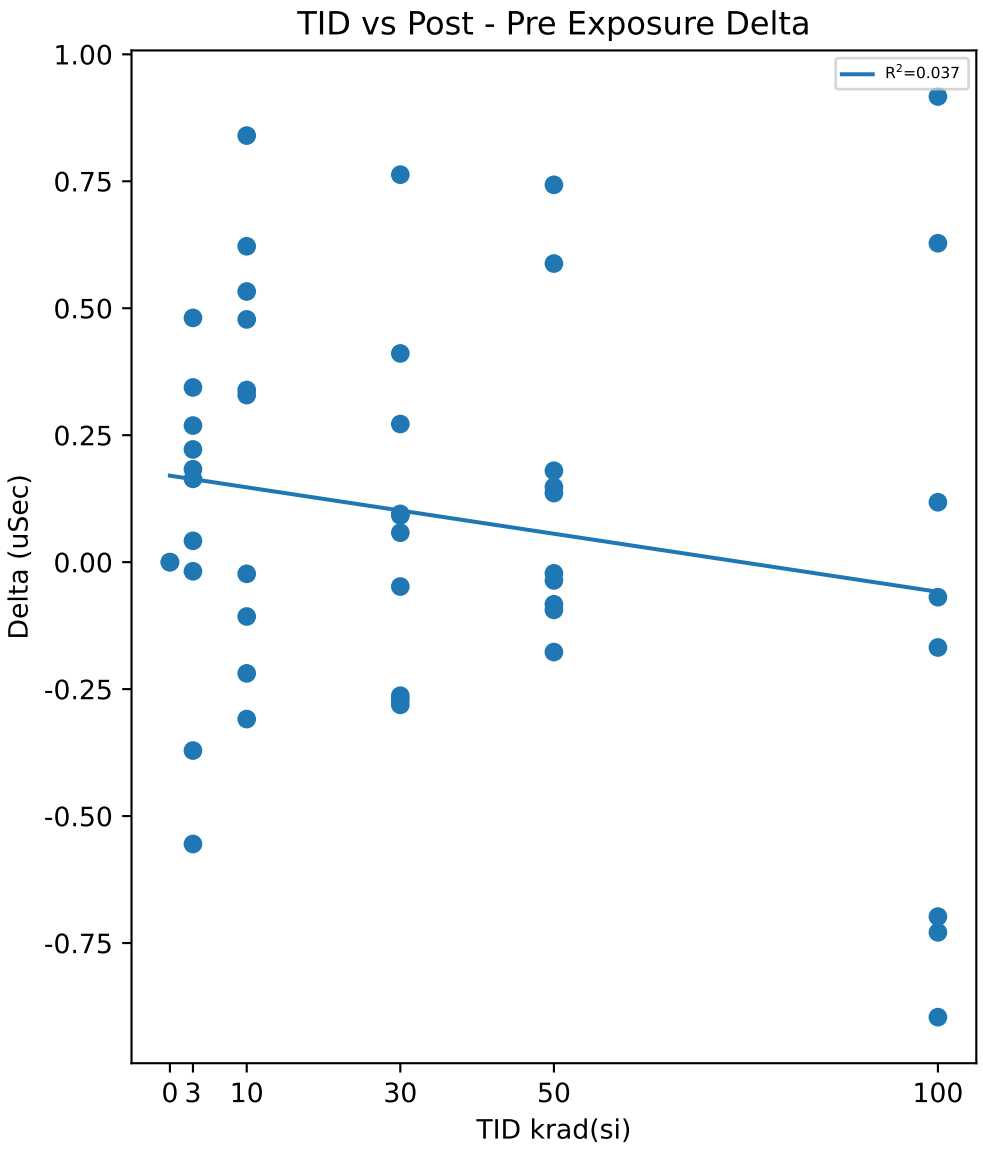
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 4.675 | 4.675 | 0 |
| 7 | 0 | Correlation | 3.934 | 3.934 | 0 |
| 16 | 3 | LDR-Biased | 4.126 | 4.337 | 0.211 |
| 18 | 3 | LDR-Biased | 4.002 | 3.833 | -0.169 |
| 19 | 3 | LDR-Biased | 4.313 | 4.804 | 0.491 |
| 20 | 3 | LDR-Biased | 4.213 | 4.075 | -0.138 |
| 21 | 3 | LDR-Biased | 4.782 | 4.362 | -0.42 |
| 22 | 3 | LDR-Unbiased | 4.237 | 4.599 | 0.362 |
| 23 | 3 | LDR-Unbiased | 4.815 | 4.415 | -0.4 |
| 25 | 3 | LDR-Unbiased | 3.95 | 4.17 | 0.22 |
| 26 | 3 | LDR-Unbiased | 4.242 | 4.241 | -0.001 |
| 27 | 3 | LDR-Unbiased | 4.109 | 4.229 | 0.12 |
| 46 | 10 | LDR-Biased | 4.126 | 4.413 | 0.287 |
| 48 | 10 | LDR-Biased | 4.002 | 4.16 | 0.158 |
| 49 | 10 | LDR-Biased | 4.313 | 4.835 | 0.522 |
| 50 | 10 | LDR-Biased | 4.213 | 4.332 | 0.119 |
| 51 | 10 | LDR-Biased | 4.782 | 3.889 | -0.893 |
| 52 | 10 | LDR-Unbiased | 4.237 | 4.109 | -0.128 |
| 53 | 10 | LDR-Unbiased | 4.815 | 4.091 | -0.724 |
| 55 | 10 | LDR-Unbiased | 3.95 | 3.935 | -0.015 |
| 56 | 10 | LDR-Unbiased | 4.242 | 4.384 | 0.142 |
| 57 | 10 | LDR-Unbiased | 4.109 | 4.328 | 0.219 |
| 76 | 30 | LDR-Biased | 4.126 | 4.321 | 0.195 |
| 78 | 30 | LDR-Biased | 4.002 | 4.585 | 0.583 |
| 79 | 30 | LDR-Biased | 4.313 | 4.769 | 0.456 |
| 80 | 30 | LDR-Biased | 4.213 | 4.021 | -0.192 |
| 81 | 30 | LDR-Biased | 4.782 | 4.812 | 0.03 |
| 82 | 30 | LDR-Unbiased | 4.237 | 4.243 | 0.006 |
| 83 | 30 | LDR-Unbiased | 4.815 | 3.849 | -0.966 |
| 84 | 30 | LDR-Unbiased | 4.109 | 4.141 | 0.032 |
| 85 | 30 | LDR-Unbiased | 3.95 | 4.306 | 0.356 |
| 86 | 30 | LDR-Unbiased | 4.242 | 4.275 | 0.033 |
| 87 | 100 | LDR-Biased | 4.603 | 4.579 | -0.024 |
| 88 | 100 | LDR-Biased | 4.348 | 4.017 | -0.331 |
| 90 | 100 | LDR-Biased | 4.492 | 3.919 | -0.573 |
| 91 | 100 | LDR-Unbiased | 3.885 | 4.195 | 0.31 |
| 93 | 100 | LDR-Unbiased | 4.602 | 4.658 | 0.056 |
| 94 | 100 | LDR-Unbiased | 4.253 | 4.087 | -0.166 |
| 95 | 100 | LDR-Unbiased | 4.658 | 4.038 | -0.62 |
| 96 | 100 | LDR-Unbiased | 4.77 | 4.275 | -0.495 |
| 106 | 50 | LDR-Biased | 4.126 | 4.198 | 0.072 |
| 108 | 50 | LDR-Biased | 4.002 | 4.012 | 0.01 |
| 109 | 50 | LDR-Biased | 4.313 | 4.627 | 0.314 |
| 110 | 50 | LDR-Biased | 4.213 | 4.603 | 0.39 |
| 111 | 50 | LDR-Biased | 4.782 | 4.412 | -0.37 |
| 112 | 50 | LDR-Unbiased | 4.237 | 4.509 | 0.272 |
| 113 | 50 | LDR-Unbiased | 4.815 | 4.812 | -0.003 |
| 115 | 50 | LDR-Unbiased | 3.95 | 4.517 | 0.567 |
| 116 | 50 | LDR-Unbiased | 4.242 | 4.788 | 0.546 |
| 117 | 50 | LDR-Unbiased | 4.109 | 4.438 | 0.329 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.934 | 4.3045 | 4.675 | 0.52397 | 3.934 | 4.3045 | 4.675 | 0.52397 | 0 | 0 | 0 | 0 |
| 3 | 3.95 | 4.2789 | 4.815 | 0.29557 | 3.833 | 4.3065 | 4.804 | 0.26989 | -0.42 | 0.0276 | 0.491 | 0.30837 |
| 10 | 3.95 | 4.2789 | 4.815 | 0.29557 | 3.889 | 4.2476 | 4.835 | 0.27534 | -0.893 | -0.0313 | 0.522 | 0.44604 |
| 30 | 3.95 | 4.2789 | 4.815 | 0.29557 | 3.849 | 4.3322 | 4.812 | 0.30981 | -0.966 | 0.0533 | 0.583 | 0.42911 |
| 50 | 3.95 | 4.2789 | 4.815 | 0.29557 | 4.012 | 4.4916 | 4.812 | 0.24667 | -0.37 | 0.2127 | 0.567 | 0.28719 |
| 100 | 3.885 | 4.4514 | 4.77 | 0.28344 | 3.919 | 4.221 | 4.658 | 0.26912 | -0.62 | -0.23037 | 0.31 | 0.33168 |

# Device Test: 5.40 tpd_SEQ_SU/SEQ_DONE/7/14/0/0/0/@TPD_SEQ_DONE



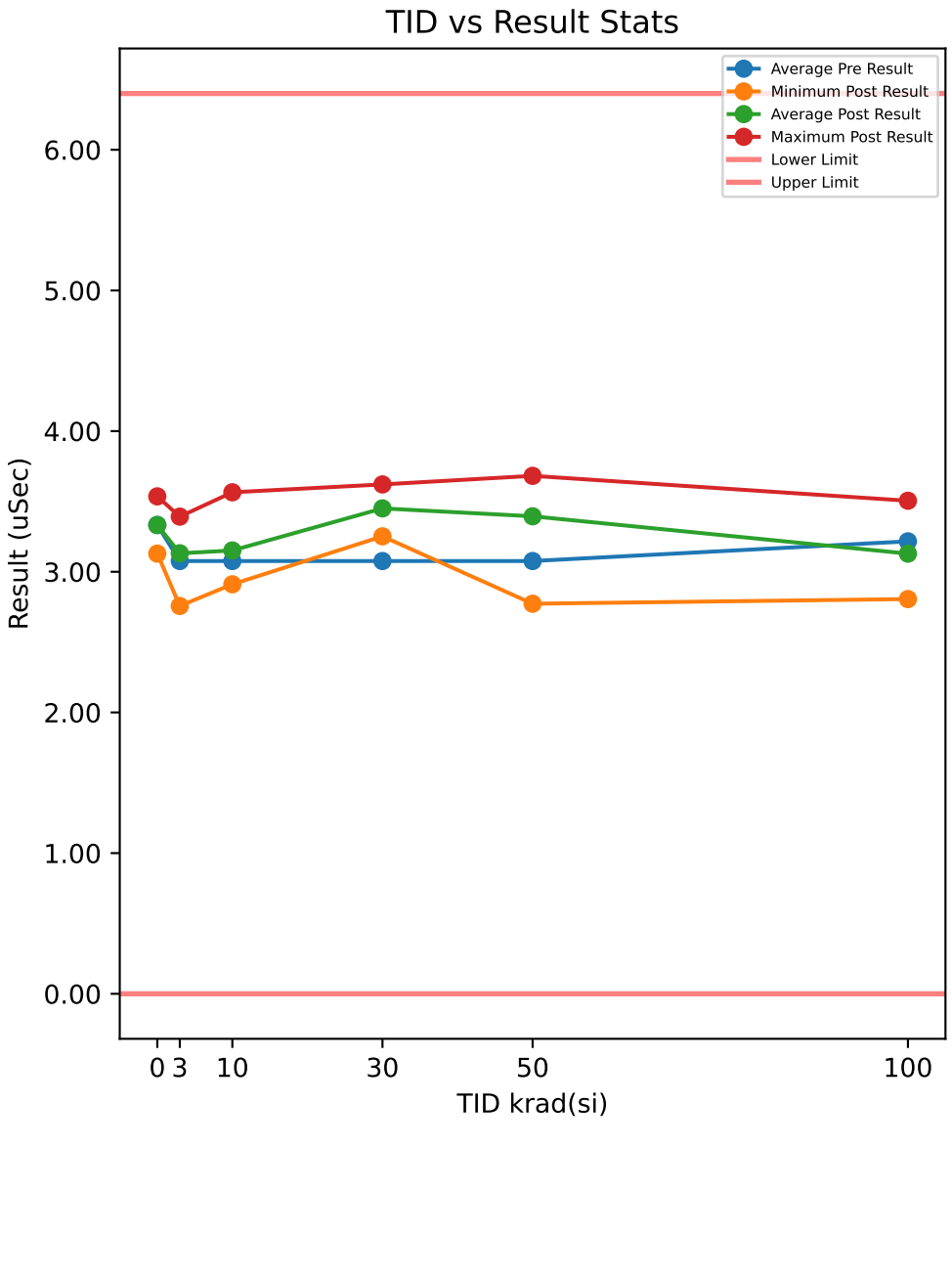

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

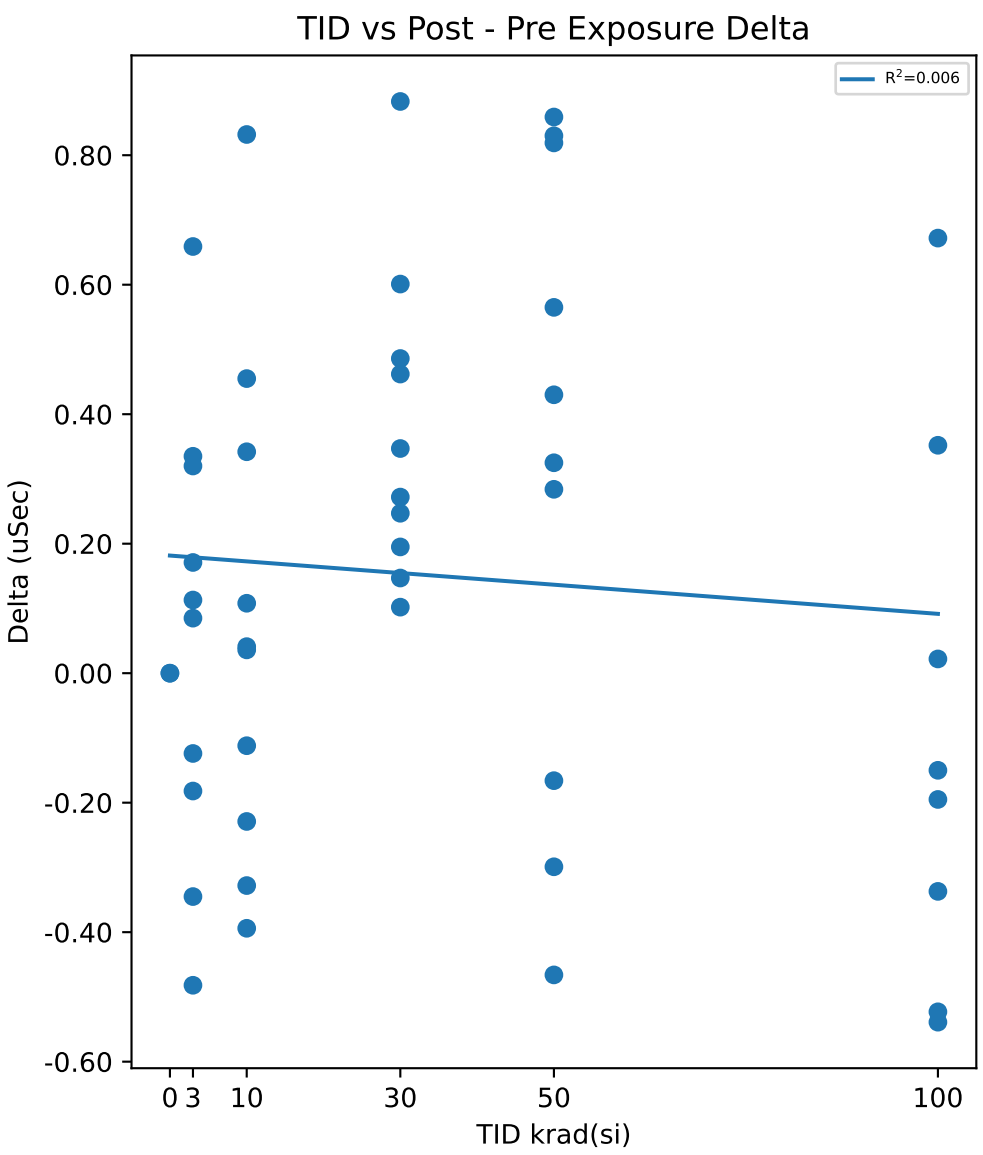
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 4.477 | 4.477 | 0 |
| 7 | 0 | Correlation | 4.069 | 4.069 | 0 |
| 16 | 3 | LDR-Biased | 4.214 | 4.196 | -0.018 |
| 18 | 3 | LDR-Biased | 3.779 | 3.943 | 0.164 |
| 19 | 3 | LDR-Biased | 3.82 | 3.862 | 0.042 |
| 20 | 3 | LDR-Biased | 4.067 | 4.289 | 0.222 |
| 21 | 3 | LDR-Biased | 4.373 | 4.717 | 0.344 |
| 22 | 3 | LDR-Unbiased | 4.332 | 4.601 | 0.269 |
| 23 | 3 | LDR-Unbiased | 4.72 | 4.349 | -0.371 |
| 25 | 3 | LDR-Unbiased | 3.83 | 4.013 | 0.183 |
| 26 | 3 | LDR-Unbiased | 4.657 | 4.102 | -0.555 |
| 27 | 3 | LDR-Unbiased | 3.88 | 4.361 | 0.481 |
| 46 | 10 | LDR-Biased | 4.214 | 4.191 | -0.023 |
| 48 | 10 | LDR-Biased | 3.779 | 4.619 | 0.84 |
| 49 | 10 | LDR-Biased | 3.82 | 4.353 | 0.533 |
| 50 | 10 | LDR-Biased | 4.067 | 4.545 | 0.478 |
| 51 | 10 | LDR-Biased | 4.373 | 4.266 | -0.107 |
| 52 | 10 | LDR-Unbiased | 4.332 | 4.661 | 0.329 |
| 53 | 10 | LDR-Unbiased | 4.72 | 4.411 | -0.309 |
| 55 | 10 | LDR-Unbiased | 3.83 | 4.169 | 0.339 |
| 56 | 10 | LDR-Unbiased | 4.657 | 4.438 | -0.219 |
| 57 | 10 | LDR-Unbiased | 3.88 | 4.502 | 0.622 |
| 76 | 30 | LDR-Biased | 4.214 | 4.309 | 0.095 |
| 78 | 30 | LDR-Biased | 3.779 | 3.731 | -0.048 |
| 79 | 30 | LDR-Biased | 3.82 | 4.583 | 0.763 |
| 80 | 30 | LDR-Biased | 4.067 | 4.125 | 0.058 |
| 81 | 30 | LDR-Biased | 4.373 | 4.092 | -0.281 |
| 82 | 30 | LDR-Unbiased | 4.332 | 4.604 | 0.272 |
| 83 | 30 | LDR-Unbiased | 4.72 | 4.449 | -0.271 |
| 84 | 30 | LDR-Unbiased | 3.88 | 4.291 | 0.411 |
| 85 | 30 | LDR-Unbiased | 3.83 | 3.922 | 0.092 |
| 86 | 30 | LDR-Unbiased | 4.657 | 4.394 | -0.263 |
| 87 | 100 | LDR-Biased | 4.316 | 4.148 | -0.168 |
| 88 | 100 | LDR-Biased | 4.216 | 4.334 | 0.118 |
| 90 | 100 | LDR-Biased | 4.666 | 3.77 | -0.896 |
| 91 | 100 | LDR-Unbiased | 3.763 | 4.68 | 0.917 |
| 93 | 100 | LDR-Unbiased | 4.702 | 4.004 | -0.698 |
| 94 | 100 | LDR-Unbiased | 4.1 | 4.031 | -0.069 |
| 95 | 100 | LDR-Unbiased | 4.563 | 3.834 | -0.729 |
| 96 | 100 | LDR-Unbiased | 3.973 | 4.601 | 0.628 |
| 106 | 50 | LDR-Biased | 4.214 | 4.12 | -0.094 |
| 108 | 50 | LDR-Biased | 3.779 | 4.367 | 0.588 |
| 109 | 50 | LDR-Biased | 3.82 | 4.563 | 0.743 |
| 110 | 50 | LDR-Biased | 4.067 | 4.203 | 0.136 |
| 111 | 50 | LDR-Biased | 4.373 | 4.196 | -0.177 |
| 112 | 50 | LDR-Unbiased | 4.332 | 4.48 | 0.148 |
| 113 | 50 | LDR-Unbiased | 4.72 | 4.698 | -0.022 |
| 115 | 50 | LDR-Unbiased | 3.83 | 3.794 | -0.036 |
| 116 | 50 | LDR-Unbiased | 4.657 | 4.574 | -0.083 |
| 117 | 50 | LDR-Unbiased | 3.88 | 4.06 | 0.18 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 4.069 | 4.273 | 4.477 | 0.2885 | 4.069 | 4.273 | 4.477 | 0.2885 | 0 | 0 | 0 | 0 |
| 3 | 3.779 | 4.1672 | 4.72 | 0.34875 | 3.862 | 4.2433 | 4.717 | 0.27694 | -0.555 | 0.0761 | 0.481 | 0.31999 |
| 10 | 3.779 | 4.1672 | 4.72 | 0.34875 | 4.169 | 4.4155 | 4.661 | 0.17123 | -0.309 | 0.2483 | 0.84 | 0.38974 |
| 30 | 3.779 | 4.1672 | 4.72 | 0.34875 | 3.731 | 4.25 | 4.604 | 0.28269 | -0.281 | 0.0828 | 0.763 | 0.33354 |
| 50 | 3.779 | 4.1672 | 4.72 | 0.34875 | 3.794 | 4.3055 | 4.698 | 0.27998 | -0.177 | 0.1383 | 0.743 | 0.30334 |
| 100 | 3.763 | 4.2874 | 4.702 | 0.33934 | 3.77 | 4.1753 | 4.68 | 0.33654 | -0.896 | -0.11213 | 0.917 | 0.65499 |

# Device Test: 5.41 tpd_PWRGD_SU/PWRGD/7/14/0/0/0/@TPD_PWRGD



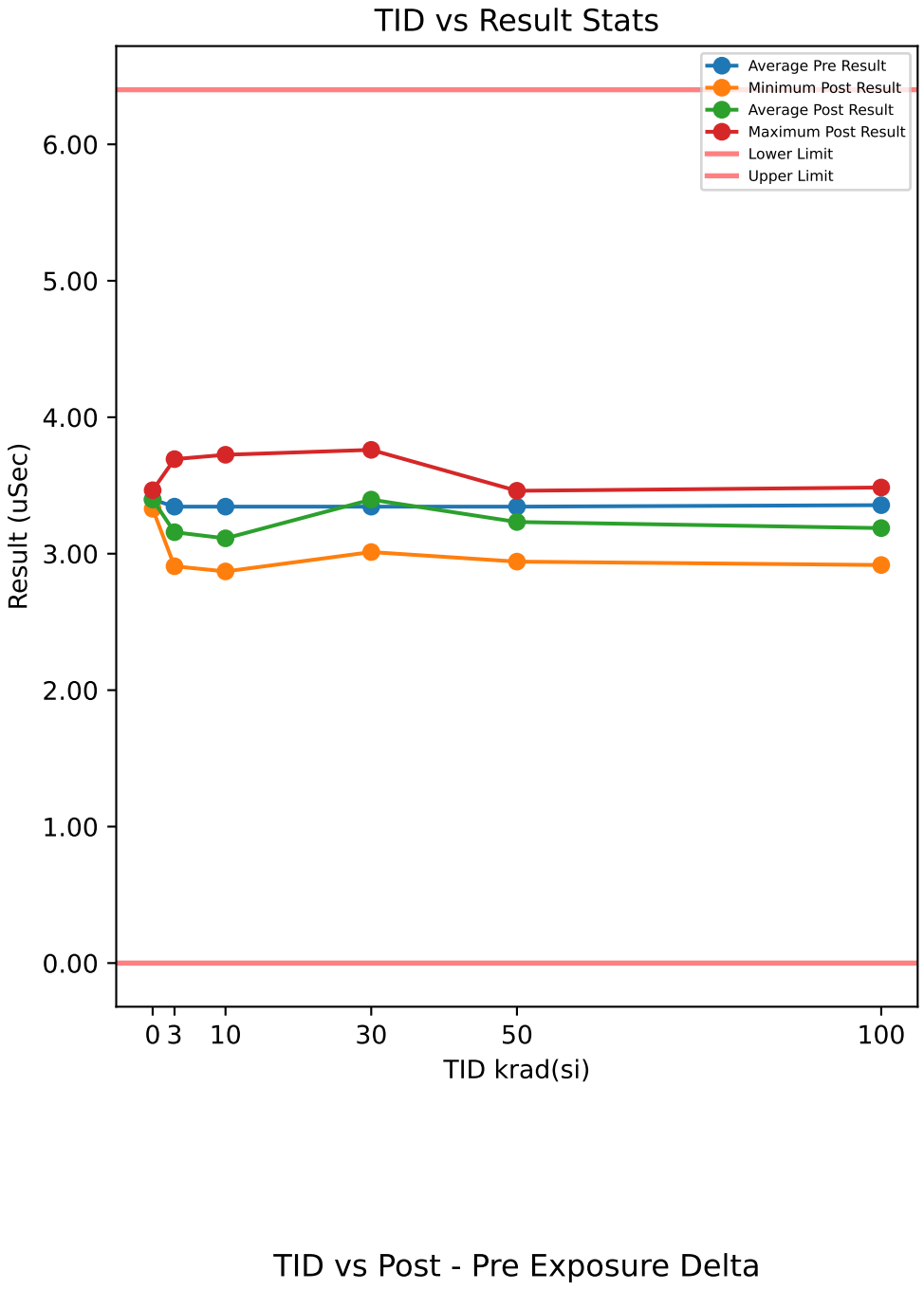

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

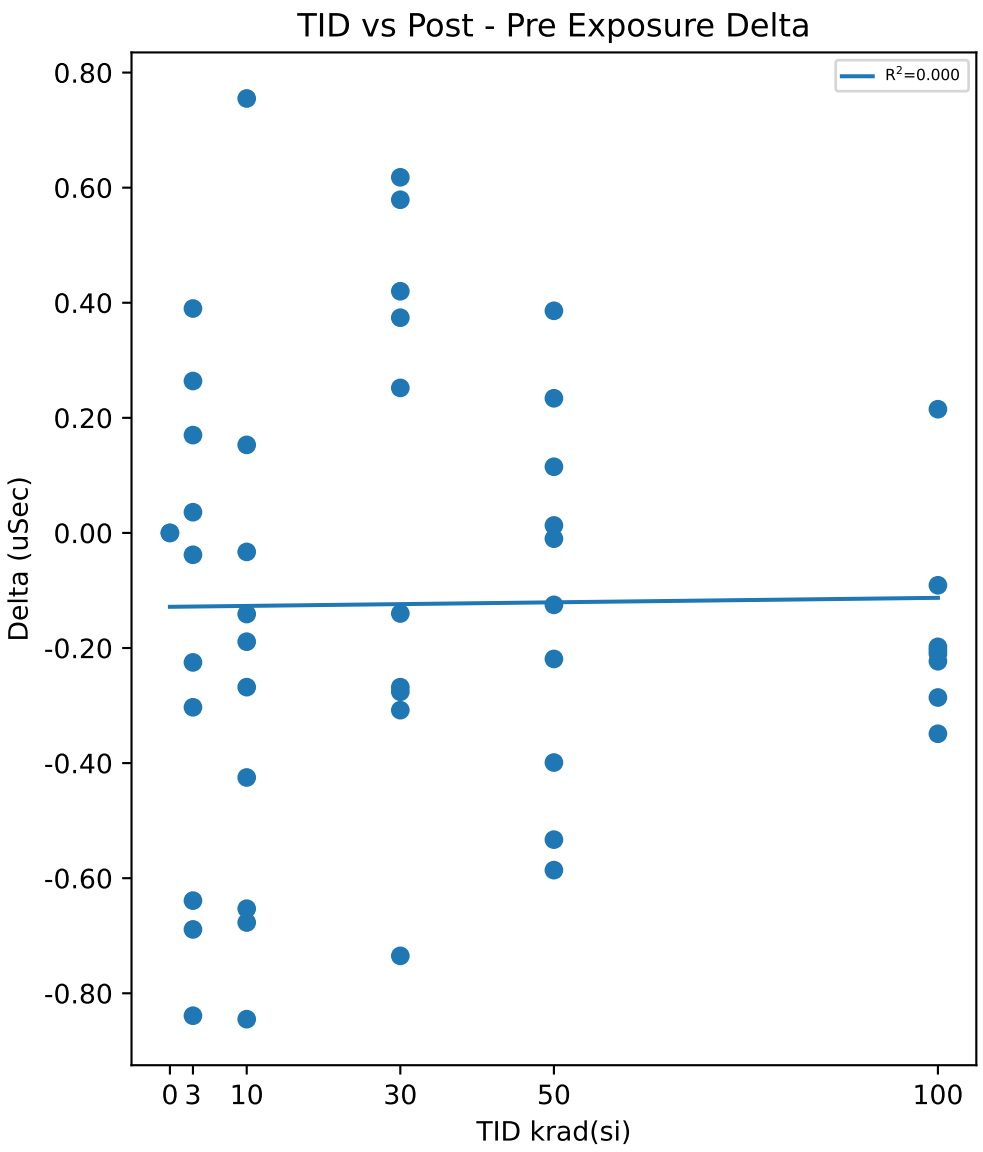
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.129 | 3.129 | 0 |
| 7 | 0 | Correlation | 3.536 | 3.536 | 0 |
| 16 | 3 | LDR-Biased | 3.223 | 3.336 | 0.113 |
| 18 | 3 | LDR-Biased | 3.347 | 3.165 | -0.182 |
| 19 | 3 | LDR-Biased | 3.374 | 3.25 | -0.124 |
| 20 | 3 | LDR-Biased | 3.15 | 2.805 | -0.345 |
| 21 | 3 | LDR-Biased | 3.212 | 3.297 | 0.085 |
| 22 | 3 | LDR-Unbiased | 2.823 | 3.158 | 0.335 |
| 23 | 3 | LDR-Unbiased | 2.792 | 2.963 | 0.171 |
| 25 | 3 | LDR-Unbiased | 2.733 | 3.392 | 0.659 |
| 26 | 3 | LDR-Unbiased | 2.871 | 3.191 | 0.32 |
| 27 | 3 | LDR-Unbiased | 3.239 | 2.757 | -0.482 |
| 46 | 10 | LDR-Biased | 3.223 | 3.111 | -0.112 |
| 48 | 10 | LDR-Biased | 3.347 | 2.953 | -0.394 |
| 49 | 10 | LDR-Biased | 3.374 | 3.145 | -0.229 |
| 50 | 10 | LDR-Biased | 3.15 | 3.186 | 0.036 |
| 51 | 10 | LDR-Biased | 3.212 | 3.253 | 0.041 |
| 52 | 10 | LDR-Unbiased | 2.823 | 2.931 | 0.108 |
| 53 | 10 | LDR-Unbiased | 2.792 | 3.247 | 0.455 |
| 55 | 10 | LDR-Unbiased | 2.733 | 3.565 | 0.832 |
| 56 | 10 | LDR-Unbiased | 2.871 | 3.213 | 0.342 |
| 57 | 10 | LDR-Unbiased | 3.239 | 2.911 | -0.328 |
| 76 | 30 | LDR-Biased | 3.223 | 3.57 | 0.347 |
| 78 | 30 | LDR-Biased | 3.347 | 3.542 | 0.195 |
| 79 | 30 | LDR-Biased | 3.374 | 3.621 | 0.247 |
| 80 | 30 | LDR-Biased | 3.15 | 3.252 | 0.102 |
| 81 | 30 | LDR-Biased | 3.212 | 3.484 | 0.272 |
| 82 | 30 | LDR-Unbiased | 2.823 | 3.285 | 0.462 |
| 83 | 30 | LDR-Unbiased | 2.792 | 3.278 | 0.486 |
| 84 | 30 | LDR-Unbiased | 3.239 | 3.386 | 0.147 |
| 85 | 30 | LDR-Unbiased | 2.733 | 3.616 | 0.883 |
| 86 | 30 | LDR-Unbiased | 2.871 | 3.472 | 0.601 |
| 87 | 100 | LDR-Biased | 2.833 | 3.505 | 0.672 |
| 88 | 100 | LDR-Biased | 3.703 | 3.366 | -0.337 |
| 90 | 100 | LDR-Biased | 3.43 | 3.28 | -0.15 |
| 91 | 100 | LDR-Unbiased | 2.843 | 2.865 | 0.022 |
| 93 | 100 | LDR-Unbiased | 2.868 | 3.22 | 0.352 |
| 94 | 100 | LDR-Unbiased | 3.345 | 2.806 | -0.539 |
| 95 | 100 | LDR-Unbiased | 3.534 | 3.011 | -0.523 |
| 96 | 100 | LDR-Unbiased | 3.174 | 2.979 | -0.195 |
| 106 | 50 | LDR-Biased | 3.223 | 3.653 | 0.43 |
| 108 | 50 | LDR-Biased | 3.347 | 3.181 | -0.166 |
| 109 | 50 | LDR-Biased | 3.374 | 3.658 | 0.284 |
| 110 | 50 | LDR-Biased | 3.15 | 3.475 | 0.325 |
| 111 | 50 | LDR-Biased | 3.212 | 2.913 | -0.299 |
| 112 | 50 | LDR-Unbiased | 2.823 | 3.682 | 0.859 |
| 113 | 50 | LDR-Unbiased | 2.792 | 3.622 | 0.83 |
| 115 | 50 | LDR-Unbiased | 2.733 | 3.552 | 0.819 |
| 116 | 50 | LDR-Unbiased | 2.871 | 3.436 | 0.565 |
| 117 | 50 | LDR-Unbiased | 3.239 | 2.773 | -0.466 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.129 | 3.3325 | 3.536 | 0.28779 | 3.129 | 3.3325 | 3.536 | 0.28779 | 0 | 0 | 0 | 0 |
| 3 | 2.733 | 3.0764 | 3.374 | 0.24466 | 2.757 | 3.1314 | 3.392 | 0.21902 | -0.482 | 0.055 | 0.659 | 0.34444 |
| 10 | 2.733 | 3.0764 | 3.374 | 0.24466 | 2.911 | 3.1515 | 3.565 | 0.1952 | -0.394 | 0.0751 | 0.832 | 0.38039 |
| 30 | 2.733 | 3.0764 | 3.374 | 0.24466 | 3.252 | 3.4506 | 3.621 | 0.14197 | 0.102 | 0.3742 | 0.883 | 0.23938 |
| 50 | 2.733 | 3.0764 | 3.374 | 0.24466 | 2.773 | 3.3945 | 3.682 | 0.32785 | -0.466 | 0.3181 | 0.859 | 0.48422 |
| 100 | 2.833 | 3.2163 | 3.703 | 0.34005 | 2.806 | 3.129 | 3.505 | 0.25045 | -0.539 | -0.08725 | 0.672 | 0.42312 |

# Device Test: 5.42 tpd_EN1_SD/EN1/7/14/0/0/0/@TPD_EN



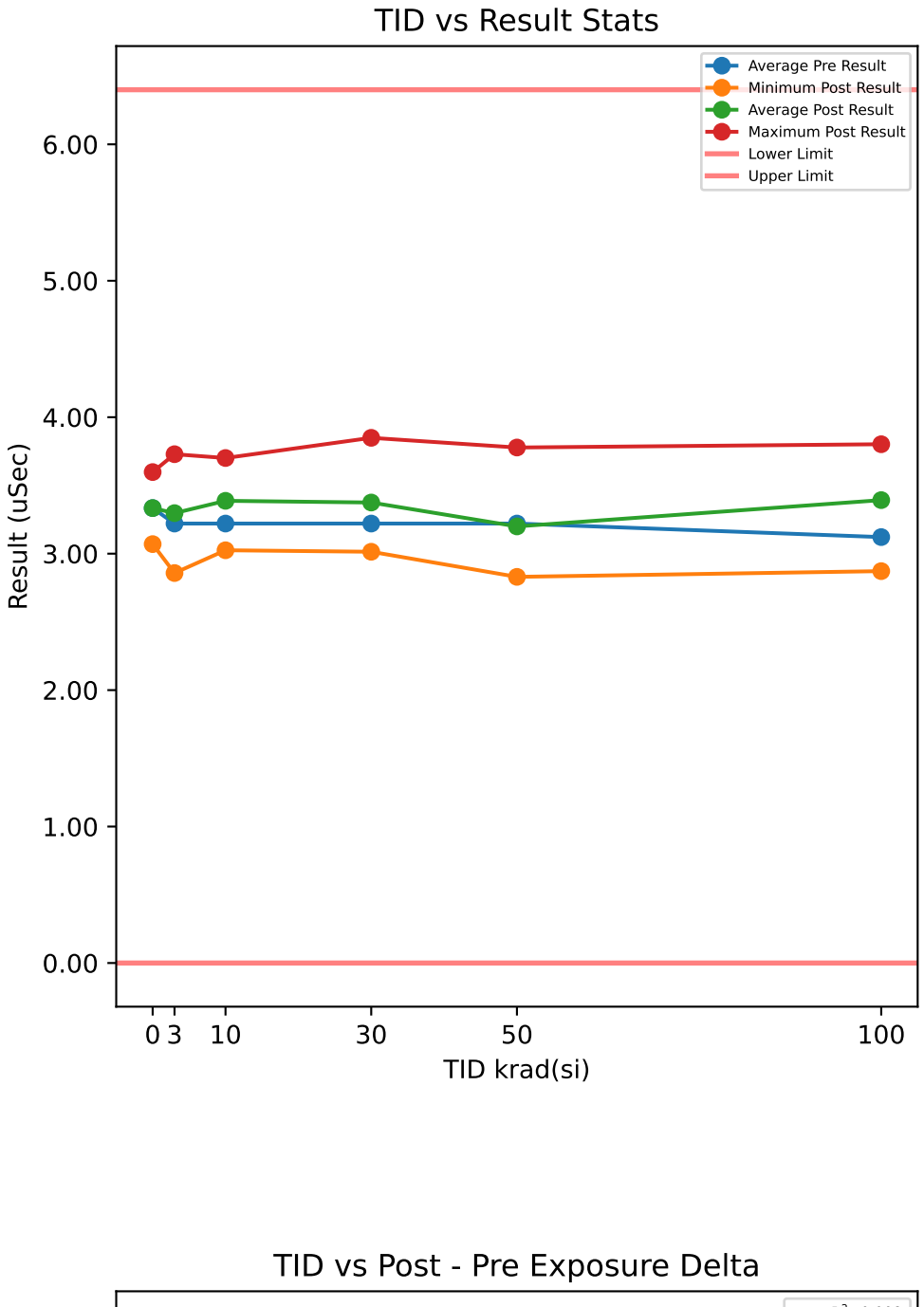

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

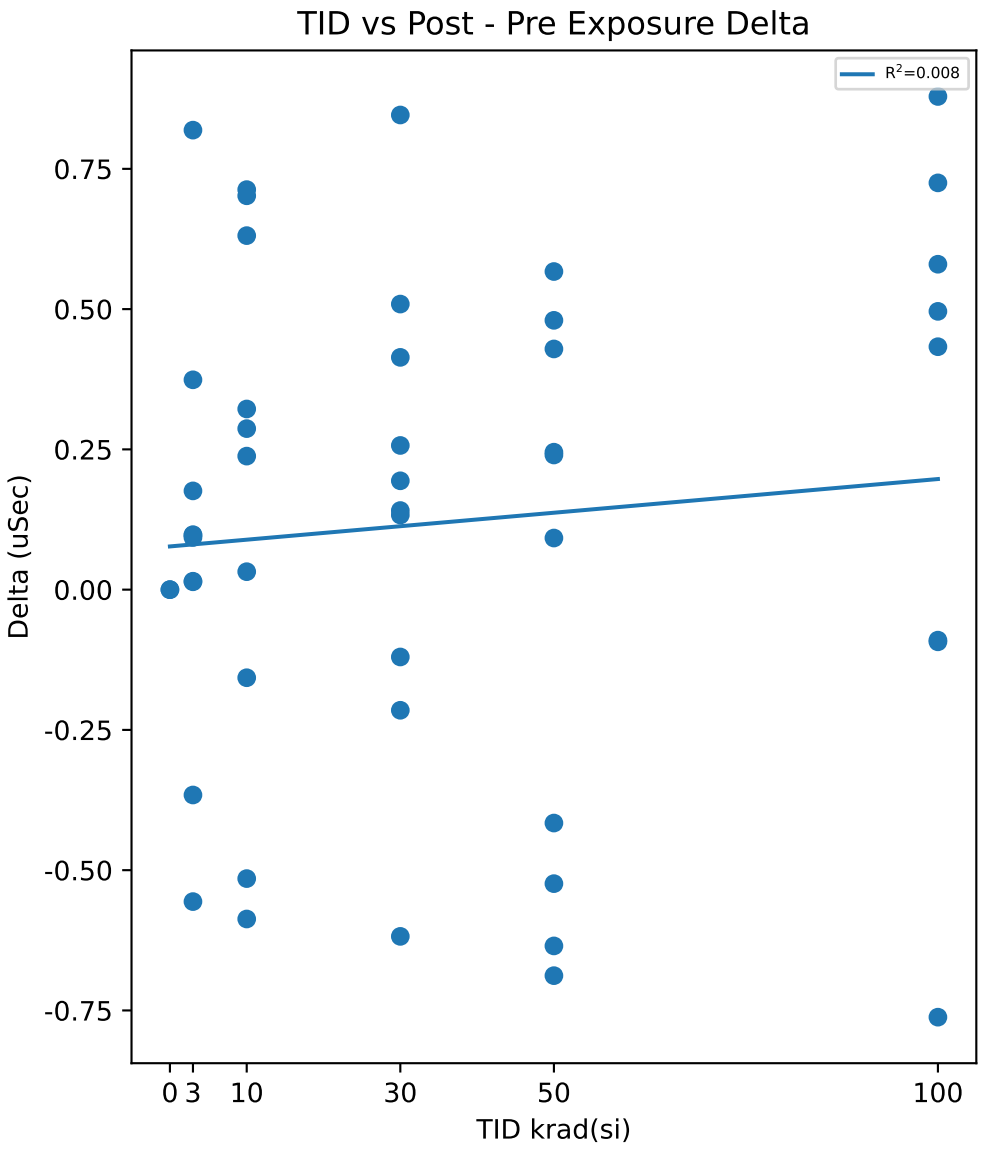
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.329 | 3.329 | 0 |
| 7 | 0 | Correlation | 3.465 | 3.465 | 0 |
| 16 | 3 | LDR-Biased | 3.316 | 3.013 | -0.303 |
| 18 | 3 | LDR-Biased | 3.523 | 3.693 | 0.17 |
| 19 | 3 | LDR-Biased | 3.127 | 3.517 | 0.39 |
| 20 | 3 | LDR-Biased | 3.248 | 3.21 | -0.038 |
| 21 | 3 | LDR-Biased | 2.931 | 2.967 | 0.036 |
| 22 | 3 | LDR-Unbiased | 2.97 | 3.234 | 0.264 |
| 23 | 3 | LDR-Unbiased | 3.659 | 2.97 | -0.689 |
| 25 | 3 | LDR-Unbiased | 3.586 | 2.947 | -0.639 |
| 26 | 3 | LDR-Unbiased | 3.747 | 2.908 | -0.839 |
| 27 | 3 | LDR-Unbiased | 3.341 | 3.116 | -0.225 |
| 46 | 10 | LDR-Biased | 3.316 | 3.127 | -0.189 |
| 48 | 10 | LDR-Biased | 3.523 | 2.87 | -0.653 |
| 49 | 10 | LDR-Biased | 3.127 | 2.986 | -0.141 |
| 50 | 10 | LDR-Biased | 3.248 | 2.98 | -0.268 |
| 51 | 10 | LDR-Biased | 2.931 | 2.898 | -0.033 |
| 52 | 10 | LDR-Unbiased | 2.97 | 3.725 | 0.755 |
| 53 | 10 | LDR-Unbiased | 3.659 | 2.982 | -0.677 |
| 55 | 10 | LDR-Unbiased | 3.586 | 3.161 | -0.425 |
| 56 | 10 | LDR-Unbiased | 3.747 | 2.902 | -0.845 |
| 57 | 10 | LDR-Unbiased | 3.341 | 3.494 | 0.153 |
| 76 | 30 | LDR-Biased | 3.316 | 3.176 | -0.14 |
| 78 | 30 | LDR-Biased | 3.523 | 3.255 | -0.268 |
| 79 | 30 | LDR-Biased | 3.127 | 3.745 | 0.618 |
| 80 | 30 | LDR-Biased | 3.248 | 3.622 | 0.374 |
| 81 | 30 | LDR-Biased | 2.931 | 3.183 | 0.252 |
| 82 | 30 | LDR-Unbiased | 2.97 | 3.549 | 0.579 |
| 83 | 30 | LDR-Unbiased | 3.659 | 3.351 | -0.308 |
| 84 | 30 | LDR-Unbiased | 3.341 | 3.761 | 0.42 |
| 85 | 30 | LDR-Unbiased | 3.586 | 3.31 | -0.276 |
| 86 | 30 | LDR-Unbiased | 3.747 | 3.012 | -0.735 |
| 87 | 100 | LDR-Biased | 3.689 | 3.485 | -0.204 |
| 88 | 100 | LDR-Biased | 3.463 | 3.265 | -0.198 |
| 90 | 100 | LDR-Biased | 3.698 | 3.475 | -0.223 |
| 91 | 100 | LDR-Unbiased | 3.266 | 2.917 | -0.349 |
| 93 | 100 | LDR-Unbiased | 3.41 | 3.124 | -0.286 |
| 94 | 100 | LDR-Unbiased | 2.96 | 3.175 | 0.215 |
| 95 | 100 | LDR-Unbiased | 3.136 | 3.045 | -0.091 |
| 96 | 100 | LDR-Unbiased | 3.224 | 3.014 | -0.21 |
| 106 | 50 | LDR-Biased | 3.316 | 3.306 | -0.01 |
| 108 | 50 | LDR-Biased | 3.523 | 2.99 | -0.533 |
| 109 | 50 | LDR-Biased | 3.127 | 3.14 | 0.013 |
| 110 | 50 | LDR-Biased | 3.248 | 3.363 | 0.115 |
| 111 | 50 | LDR-Biased | 2.931 | 3.317 | 0.386 |
| 112 | 50 | LDR-Unbiased | 2.97 | 3.204 | 0.234 |
| 113 | 50 | LDR-Unbiased | 3.659 | 3.44 | -0.219 |
| 115 | 50 | LDR-Unbiased | 3.586 | 3.461 | -0.125 |
| 116 | 50 | LDR-Unbiased | 3.747 | 3.161 | -0.586 |
| 117 | 50 | LDR-Unbiased | 3.341 | 2.942 | -0.399 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.329 | 3.397 | 3.465 | 0.096167 | 3.329 | 3.397 | 3.465 | 0.096167 | 0 | 0 | 0 | 0 |
| 3 | 2.931 | 3.3448 | 3.747 | 0.2828 | 2.908 | 3.1575 | 3.693 | 0.26357 | -0.839 | -0.1873 | 0.39 | 0.42584 |
| 10 | 2.931 | 3.3448 | 3.747 | 0.2828 | 2.87 | 3.1125 | 3.725 | 0.28343 | -0.845 | -0.2323 | 0.755 | 0.46687 |
| 30 | 2.931 | 3.3448 | 3.747 | 0.2828 | 3.012 | 3.3964 | 3.761 | 0.25821 | -0.735 | 0.0516 | 0.618 | 0.45619 |
| 50 | 2.931 | 3.3448 | 3.747 | 0.2828 | 2.942 | 3.2324 | 3.461 | 0.17717 | -0.586 | -0.1124 | 0.386 | 0.32338 |
| 100 | 2.96 | 3.3558 | 3.698 | 0.25993 | 2.917 | 3.1875 | 3.485 | 0.20872 | -0.349 | -0.16825 | 0.215 | 0.17167 |

# Device Test: 5.43 tpd_EN2_SD/EN2/7/14/0/0/0/@TPD_EN



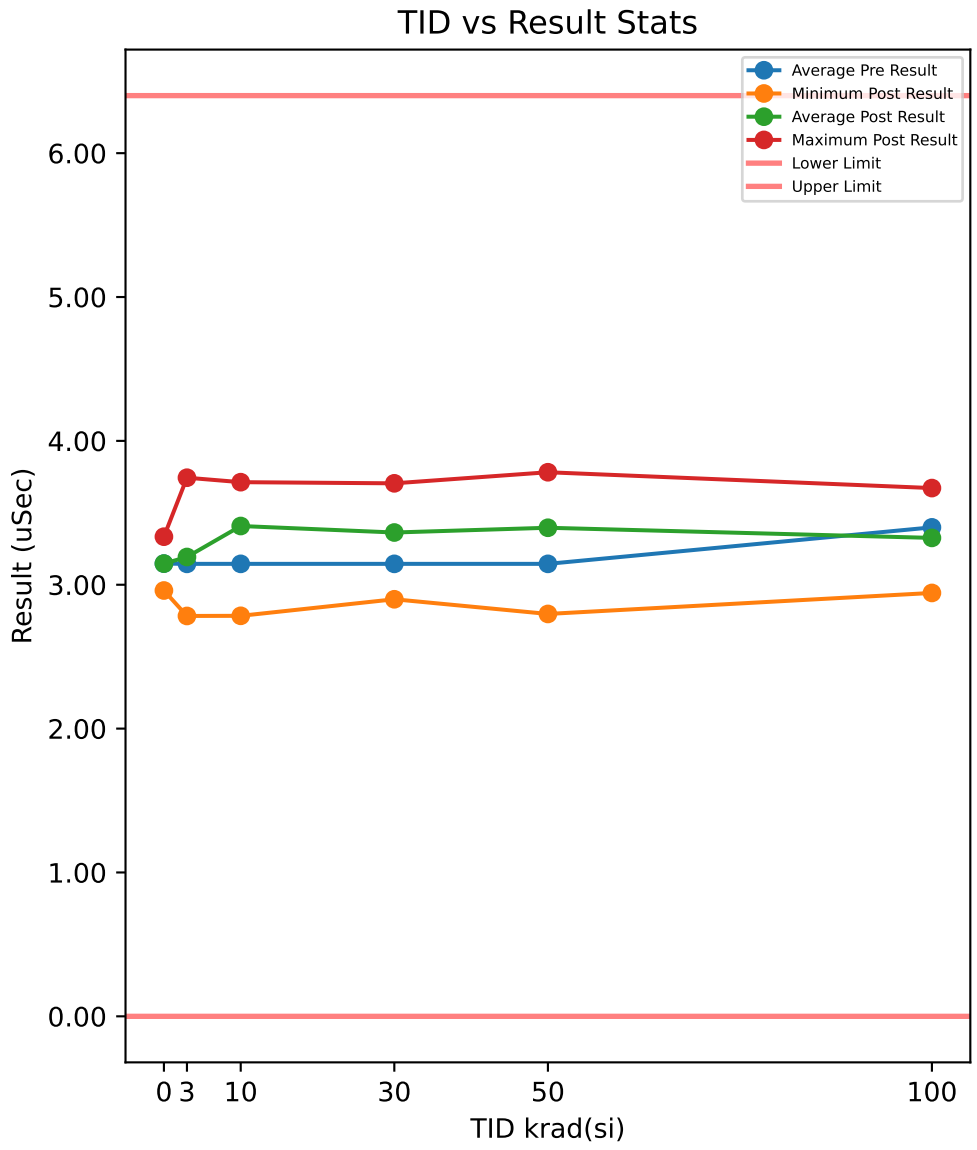

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

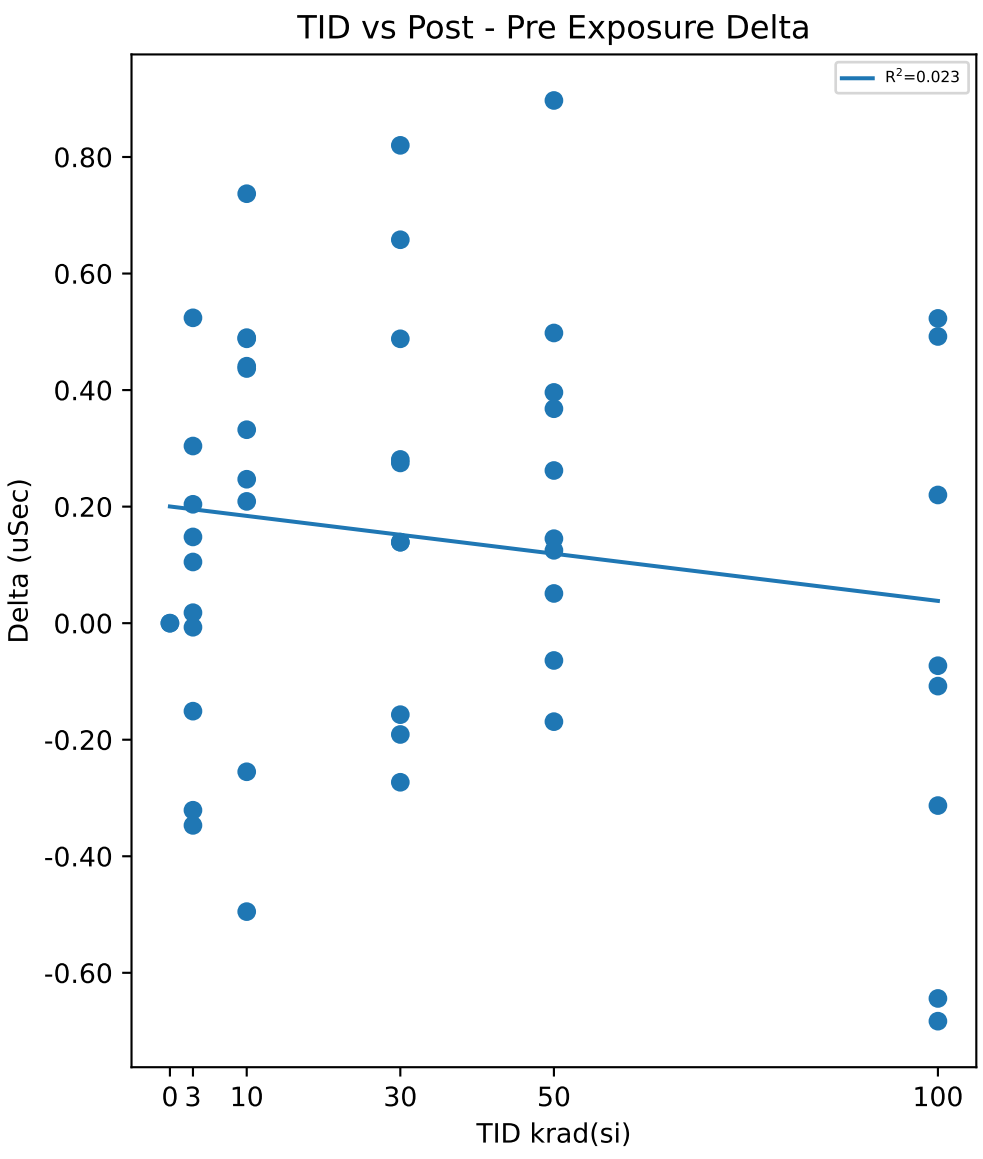
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.598 | 3.598 | 0 |
| 7 | 0 | Correlation | 3.07 | 3.07 | 0 |
| 16 | 3 | LDR-Biased | 3.003 | 3.017 | 0.014 |
| 18 | 3 | LDR-Biased | 2.881 | 2.974 | 0.093 |
| 19 | 3 | LDR-Biased | 3.54 | 3.555 | 0.015 |
| 20 | 3 | LDR-Biased | 3.414 | 2.858 | -0.556 |
| 21 | 3 | LDR-Biased | 3.354 | 3.728 | 0.374 |
| 22 | 3 | LDR-Unbiased | 2.934 | 3.11 | 0.176 |
| 23 | 3 | LDR-Unbiased | 3.349 | 3.447 | 0.098 |
| 25 | 3 | LDR-Unbiased | 3.819 | 3.453 | -0.366 |
| 26 | 3 | LDR-Unbiased | 3.003 | 3.1 | 0.097 |
| 27 | 3 | LDR-Unbiased | 2.91 | 3.729 | 0.819 |
| 46 | 10 | LDR-Biased | 3.003 | 3.634 | 0.631 |
| 48 | 10 | LDR-Biased | 2.881 | 3.583 | 0.702 |
| 49 | 10 | LDR-Biased | 3.54 | 3.025 | -0.515 |
| 50 | 10 | LDR-Biased | 3.414 | 3.701 | 0.287 |
| 51 | 10 | LDR-Biased | 3.354 | 3.197 | -0.157 |
| 52 | 10 | LDR-Unbiased | 2.934 | 3.172 | 0.238 |
| 53 | 10 | LDR-Unbiased | 3.349 | 3.381 | 0.032 |
| 55 | 10 | LDR-Unbiased | 3.819 | 3.232 | -0.587 |
| 56 | 10 | LDR-Unbiased | 3.003 | 3.325 | 0.322 |
| 57 | 10 | LDR-Unbiased | 2.91 | 3.623 | 0.713 |
| 76 | 30 | LDR-Biased | 3.003 | 3.849 | 0.846 |
| 78 | 30 | LDR-Biased | 2.881 | 3.014 | 0.133 |
| 79 | 30 | LDR-Biased | 3.54 | 3.42 | -0.12 |
| 80 | 30 | LDR-Biased | 3.414 | 3.671 | 0.257 |
| 81 | 30 | LDR-Biased | 3.354 | 3.139 | -0.215 |
| 82 | 30 | LDR-Unbiased | 2.934 | 3.128 | 0.194 |
| 83 | 30 | LDR-Unbiased | 3.349 | 3.763 | 0.414 |
| 84 | 30 | LDR-Unbiased | 2.91 | 3.051 | 0.141 |
| 85 | 30 | LDR-Unbiased | 3.819 | 3.201 | -0.618 |
| 86 | 30 | LDR-Unbiased | 3.003 | 3.512 | 0.509 |
| 87 | 100 | LDR-Biased | 2.954 | 3.387 | 0.433 |
| 88 | 100 | LDR-Biased | 2.912 | 3.492 | 0.58 |
| 90 | 100 | LDR-Biased | 2.962 | 2.872 | -0.09 |
| 91 | 100 | LDR-Unbiased | 3.634 | 2.872 | -0.762 |
| 93 | 100 | LDR-Unbiased | 2.889 | 3.614 | 0.725 |
| 94 | 100 | LDR-Unbiased | 3.265 | 3.761 | 0.496 |
| 95 | 100 | LDR-Unbiased | 3.433 | 3.34 | -0.093 |
| 96 | 100 | LDR-Unbiased | 2.923 | 3.802 | 0.879 |
| 106 | 50 | LDR-Biased | 3.003 | 3.248 | 0.245 |
| 108 | 50 | LDR-Biased | 2.881 | 3.361 | 0.48 |
| 109 | 50 | LDR-Biased | 3.54 | 2.905 | -0.635 |
| 110 | 50 | LDR-Biased | 3.414 | 2.998 | -0.416 |
| 111 | 50 | LDR-Biased | 3.354 | 2.83 | -0.524 |
| 112 | 50 | LDR-Unbiased | 2.934 | 3.174 | 0.24 |
| 113 | 50 | LDR-Unbiased | 3.349 | 3.778 | 0.429 |
| 115 | 50 | LDR-Unbiased | 3.819 | 3.131 | -0.688 |
| 116 | 50 | LDR-Unbiased | 3.003 | 3.095 | 0.092 |
| 117 | 50 | LDR-Unbiased | 2.91 | 3.477 | 0.567 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.07 | 3.334 | 3.598 | 0.37335 | 3.07 | 3.334 | 3.598 | 0.37335 | 0 | 0 | 0 | 0 |
| 3 | 2.881 | 3.2207 | 3.819 | 0.3198 | 2.858 | 3.2971 | 3.729 | 0.32232 | -0.556 | 0.0764 | 0.819 | 0.37334 |
| 10 | 2.881 | 3.2207 | 3.819 | 0.3198 | 3.025 | 3.3873 | 3.701 | 0.23452 | -0.587 | 0.1666 | 0.713 | 0.4714 |
| 30 | 2.881 | 3.2207 | 3.819 | 0.3198 | 3.014 | 3.3748 | 3.849 | 0.31018 | -0.618 | 0.1541 | 0.846 | 0.40723 |
| 50 | 2.881 | 3.2207 | 3.819 | 0.3198 | 2.83 | 3.1997 | 3.778 | 0.28289 | -0.688 | -0.021 | 0.567 | 0.49237 |
| 100 | 2.889 | 3.1215 | 3.634 | 0.28564 | 2.872 | 3.3925 | 3.802 | 0.35997 | -0.762 | 0.271 | 0.879 | 0.54485 |

# Device Test: 5.44 tpd_EN3_SD/EN3/7/14/0/0/0/@TPD_EN



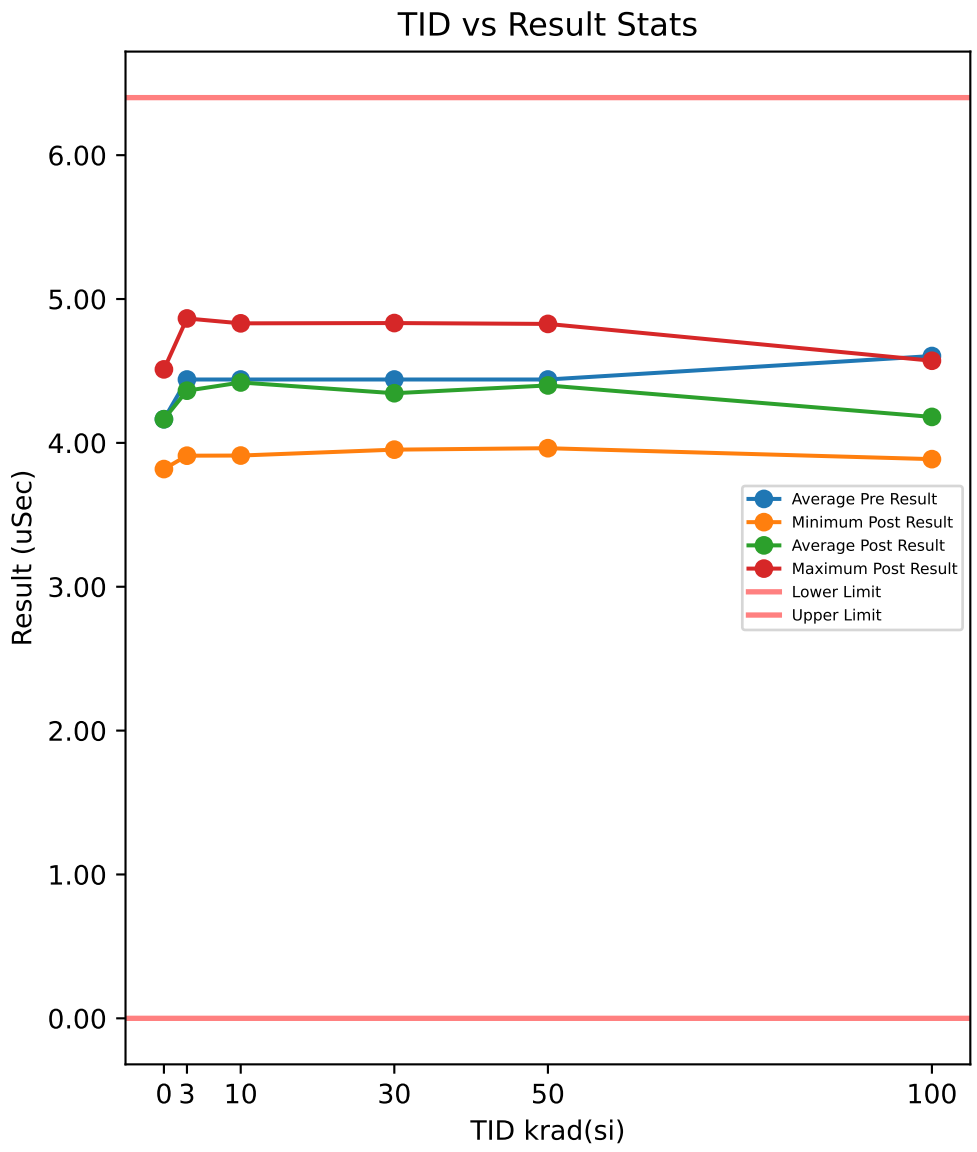

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

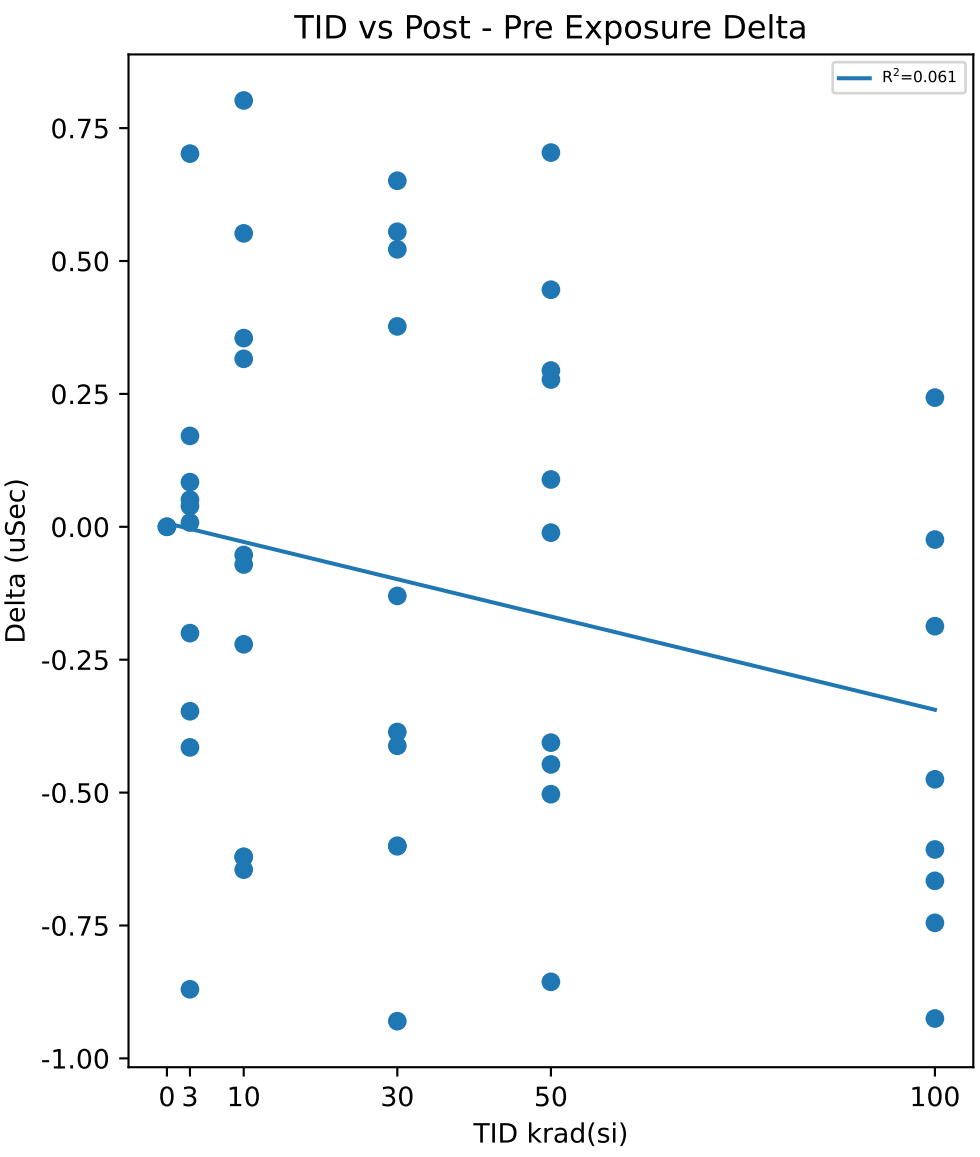
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.334 | 3.334 | 0 |
| 7 | 0 | Correlation | 2.96 | 2.96 | 0 |
| 16 | 3 | LDR-Biased | 3.039 | 3.032 | -0.007 |
| 18 | 3 | LDR-Biased | 3.48 | 3.684 | 0.204 |
| 19 | 3 | LDR-Biased | 3.22 | 3.744 | 0.524 |
| 20 | 3 | LDR-Biased | 3.276 | 2.955 | -0.321 |
| 21 | 3 | LDR-Biased | 2.966 | 2.815 | -0.151 |
| 22 | 3 | LDR-Unbiased | 3.09 | 3.394 | 0.304 |
| 23 | 3 | LDR-Unbiased | 3.173 | 3.321 | 0.148 |
| 25 | 3 | LDR-Unbiased | 3.193 | 3.298 | 0.105 |
| 26 | 3 | LDR-Unbiased | 3.13 | 2.783 | -0.347 |
| 27 | 3 | LDR-Unbiased | 2.885 | 2.903 | 0.018 |
| 46 | 10 | LDR-Biased | 3.039 | 2.784 | -0.255 |
| 48 | 10 | LDR-Biased | 3.48 | 2.985 | -0.495 |
| 49 | 10 | LDR-Biased | 3.22 | 3.71 | 0.49 |
| 50 | 10 | LDR-Biased | 3.276 | 3.713 | 0.437 |
| 51 | 10 | LDR-Biased | 2.966 | 3.454 | 0.488 |
| 52 | 10 | LDR-Unbiased | 3.09 | 3.337 | 0.247 |
| 53 | 10 | LDR-Unbiased | 3.173 | 3.505 | 0.332 |
| 55 | 10 | LDR-Unbiased | 3.193 | 3.402 | 0.209 |
| 56 | 10 | LDR-Unbiased | 3.13 | 3.571 | 0.441 |
| 57 | 10 | LDR-Unbiased | 2.885 | 3.622 | 0.737 |
| 76 | 30 | LDR-Biased | 3.039 | 3.178 | 0.139 |
| 78 | 30 | LDR-Biased | 3.48 | 3.207 | -0.273 |
| 79 | 30 | LDR-Biased | 3.22 | 3.501 | 0.281 |
| 80 | 30 | LDR-Biased | 3.276 | 3.415 | 0.139 |
| 81 | 30 | LDR-Biased | 2.966 | 3.624 | 0.658 |
| 82 | 30 | LDR-Unbiased | 3.09 | 2.899 | -0.191 |
| 83 | 30 | LDR-Unbiased | 3.173 | 3.448 | 0.275 |
| 84 | 30 | LDR-Unbiased | 2.885 | 3.705 | 0.82 |
| 85 | 30 | LDR-Unbiased | 3.193 | 3.036 | -0.157 |
| 86 | 30 | LDR-Unbiased | 3.13 | 3.618 | 0.488 |
| 87 | 100 | LDR-Biased | 3.575 | 3.262 | -0.313 |
| 88 | 100 | LDR-Biased | 3.73 | 3.622 | -0.108 |
| 90 | 100 | LDR-Biased | 3.761 | 3.117 | -0.644 |
| 91 | 100 | LDR-Unbiased | 3.452 | 3.672 | 0.22 |
| 93 | 100 | LDR-Unbiased | 3.005 | 3.528 | 0.523 |
| 94 | 100 | LDR-Unbiased | 2.985 | 3.477 | 0.492 |
| 95 | 100 | LDR-Unbiased | 3.016 | 2.943 | -0.073 |
| 96 | 100 | LDR-Unbiased | 3.667 | 2.984 | -0.683 |
| 106 | 50 | LDR-Biased | 3.039 | 3.301 | 0.262 |
| 108 | 50 | LDR-Biased | 3.48 | 3.625 | 0.145 |
| 109 | 50 | LDR-Biased | 3.22 | 3.718 | 0.498 |
| 110 | 50 | LDR-Biased | 3.276 | 3.327 | 0.051 |
| 111 | 50 | LDR-Biased | 2.966 | 2.797 | -0.169 |
| 112 | 50 | LDR-Unbiased | 3.09 | 3.026 | -0.064 |
| 113 | 50 | LDR-Unbiased | 3.173 | 3.298 | 0.125 |
| 115 | 50 | LDR-Unbiased | 3.193 | 3.589 | 0.396 |
| 116 | 50 | LDR-Unbiased | 3.13 | 3.498 | 0.368 |
| 117 | 50 | LDR-Unbiased | 2.885 | 3.782 | 0.897 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.96 | 3.147 | 3.334 | 0.26446 | 2.96 | 3.147 | 3.334 | 0.26446 | 0 | 0 | 0 | 0 |
| 3 | 2.885 | 3.1452 | 3.48 | 0.16741 | 2.783 | 3.1929 | 3.744 | 0.34803 | -0.347 | 0.0477 | 0.524 | 0.27191 |
| 10 | 2.885 | 3.1452 | 3.48 | 0.16741 | 2.784 | 3.4083 | 3.713 | 0.30578 | -0.495 | 0.2631 | 0.737 | 0.37113 |
| 30 | 2.885 | 3.1452 | 3.48 | 0.16741 | 2.899 | 3.3631 | 3.705 | 0.27077 | -0.273 | 0.2179 | 0.82 | 0.36478 |
| 50 | 2.885 | 3.1452 | 3.48 | 0.16741 | 2.797 | 3.3961 | 3.782 | 0.31125 | -0.169 | 0.2509 | 0.897 | 0.30838 |
| 100 | 2.985 | 3.3989 | 3.761 | 0.34216 | 2.943 | 3.3256 | 3.672 | 0.28844 | -0.683 | -0.07325 | 0.523 | 0.46557 |

# Device Test: 5.45 tpd_EN4_SD/EN4/7/14/0/0/0/@TPD_EN



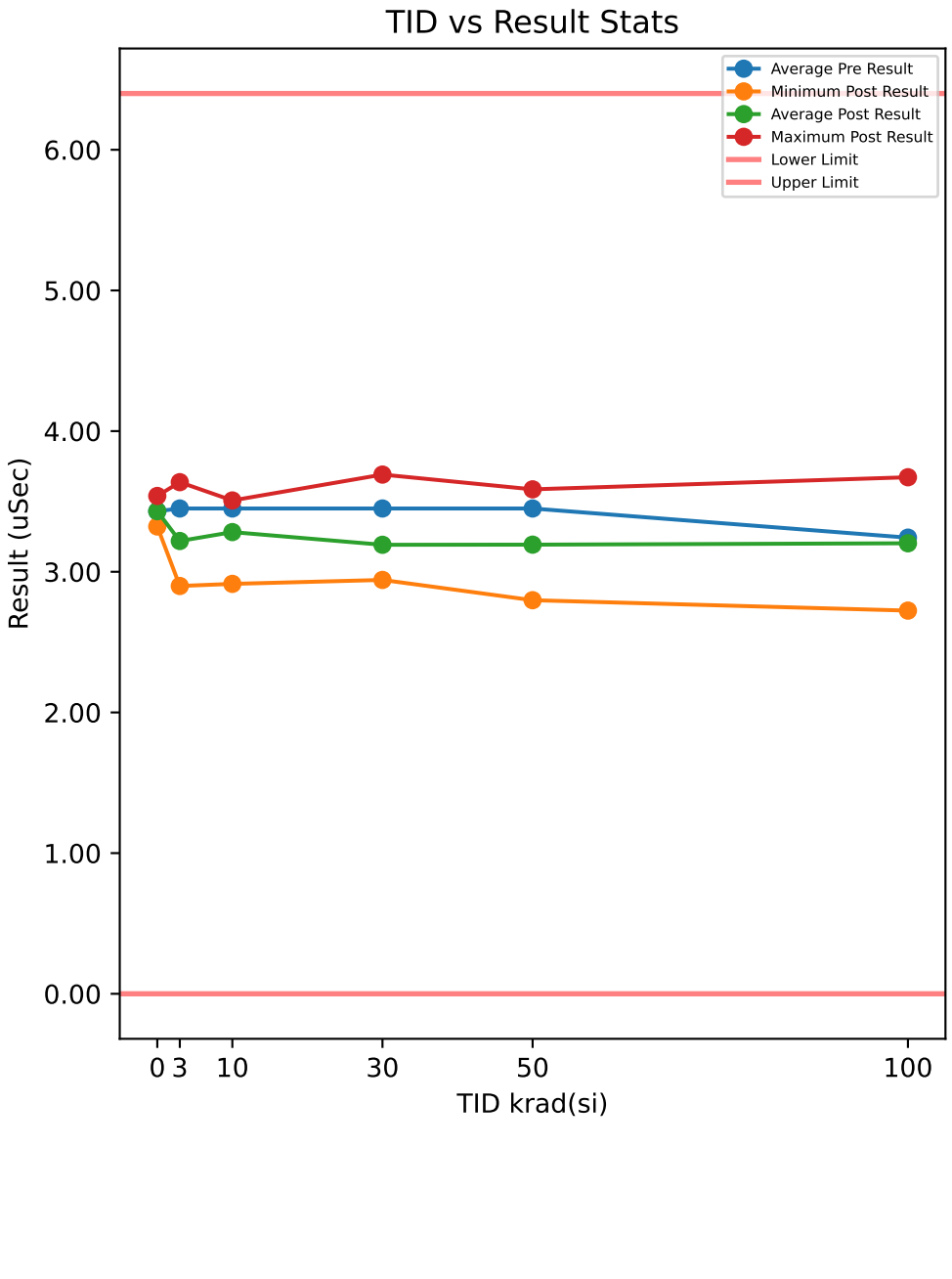

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

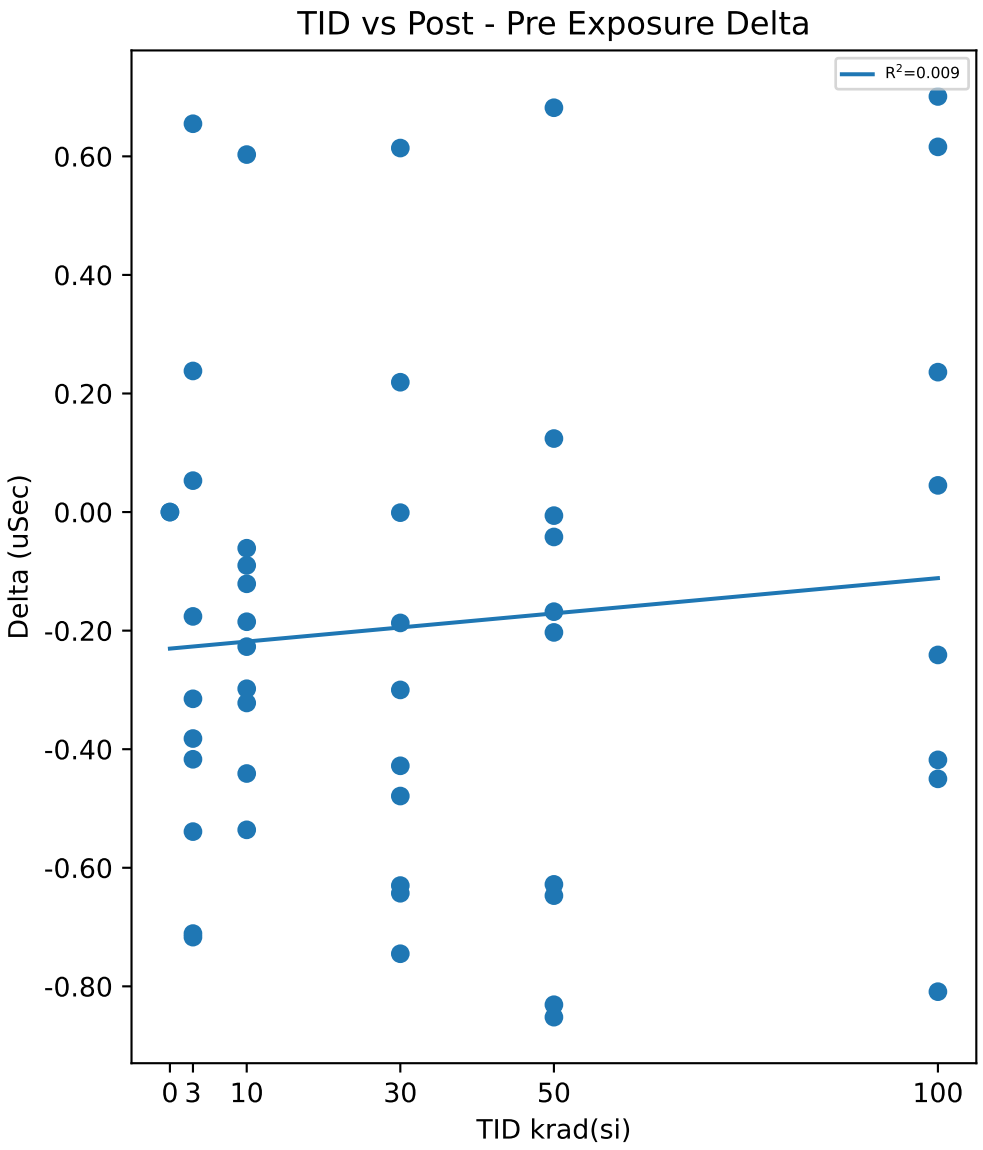
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.818 | 3.818 | 0 |
| 7 | 0 | Correlation | 4.511 | 4.511 | 0 |
| 16 | 3 | LDR-Biased | 4.029 | 4.037 | 0.008 |
| 18 | 3 | LDR-Biased | 4.883 | 4.013 | -0.87 |
| 19 | 3 | LDR-Biased | 4.369 | 3.954 | -0.415 |
| 20 | 3 | LDR-Biased | 4.814 | 4.865 | 0.051 |
| 21 | 3 | LDR-Biased | 4.533 | 4.617 | 0.084 |
| 22 | 3 | LDR-Unbiased | 4.039 | 4.741 | 0.702 |
| 23 | 3 | LDR-Unbiased | 4.111 | 3.911 | -0.2 |
| 25 | 3 | LDR-Unbiased | 4.836 | 4.489 | -0.347 |
| 26 | 3 | LDR-Unbiased | 4.182 | 4.221 | 0.039 |
| 27 | 3 | LDR-Unbiased | 4.61 | 4.781 | 0.171 |
| 46 | 10 | LDR-Biased | 4.029 | 4.831 | 0.802 |
| 48 | 10 | LDR-Biased | 4.883 | 4.238 | -0.645 |
| 49 | 10 | LDR-Biased | 4.369 | 4.724 | 0.355 |
| 50 | 10 | LDR-Biased | 4.814 | 4.743 | -0.071 |
| 51 | 10 | LDR-Biased | 4.533 | 3.912 | -0.621 |
| 52 | 10 | LDR-Unbiased | 4.039 | 4.591 | 0.552 |
| 53 | 10 | LDR-Unbiased | 4.111 | 4.427 | 0.316 |
| 55 | 10 | LDR-Unbiased | 4.836 | 4.215 | -0.621 |
| 56 | 10 | LDR-Unbiased | 4.182 | 4.129 | -0.053 |
| 57 | 10 | LDR-Unbiased | 4.61 | 4.389 | -0.221 |
| 76 | 30 | LDR-Biased | 4.029 | 4.551 | 0.522 |
| 78 | 30 | LDR-Biased | 4.883 | 3.953 | -0.93 |
| 79 | 30 | LDR-Biased | 4.369 | 3.983 | -0.386 |
| 80 | 30 | LDR-Biased | 4.814 | 4.684 | -0.13 |
| 81 | 30 | LDR-Biased | 4.533 | 4.121 | -0.412 |
| 82 | 30 | LDR-Unbiased | 4.039 | 4.416 | 0.377 |
| 83 | 30 | LDR-Unbiased | 4.111 | 4.666 | 0.555 |
| 84 | 30 | LDR-Unbiased | 4.61 | 4.009 | -0.601 |
| 85 | 30 | LDR-Unbiased | 4.836 | 4.236 | -0.6 |
| 86 | 30 | LDR-Unbiased | 4.182 | 4.833 | 0.651 |
| 87 | 100 | LDR-Biased | 4.589 | 4.114 | -0.475 |
| 88 | 100 | LDR-Biased | 4.812 | 3.887 | -0.925 |
| 90 | 100 | LDR-Biased | 4.461 | 4.437 | -0.024 |
| 91 | 100 | LDR-Unbiased | 4.753 | 4.146 | -0.607 |
| 93 | 100 | LDR-Unbiased | 4.758 | 4.571 | -0.187 |
| 94 | 100 | LDR-Unbiased | 3.968 | 4.211 | 0.243 |
| 95 | 100 | LDR-Unbiased | 4.686 | 3.941 | -0.745 |
| 96 | 100 | LDR-Unbiased | 4.803 | 4.137 | -0.666 |
| 106 | 50 | LDR-Biased | 4.029 | 4.306 | 0.277 |
| 108 | 50 | LDR-Biased | 4.883 | 4.027 | -0.856 |
| 109 | 50 | LDR-Biased | 4.369 | 3.963 | -0.406 |
| 110 | 50 | LDR-Biased | 4.814 | 4.803 | -0.011 |
| 111 | 50 | LDR-Biased | 4.533 | 4.827 | 0.294 |
| 112 | 50 | LDR-Unbiased | 4.039 | 4.743 | 0.704 |
| 113 | 50 | LDR-Unbiased | 4.111 | 4.557 | 0.446 |
| 115 | 50 | LDR-Unbiased | 4.836 | 4.389 | -0.447 |
| 116 | 50 | LDR-Unbiased | 4.182 | 4.271 | 0.089 |
| 117 | 50 | LDR-Unbiased | 4.61 | 4.107 | -0.503 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.818 | 4.1645 | 4.511 | 0.49002 | 3.818 | 4.1645 | 4.511 | 0.49002 | 0 | 0 | 0 | 0 |
| 3 | 4.029 | 4.4406 | 4.883 | 0.33994 | 3.911 | 4.3629 | 4.865 | 0.37573 | -0.87 | -0.0777 | 0.702 | 0.41666 |
| 10 | 4.029 | 4.4406 | 4.883 | 0.33994 | 3.912 | 4.4199 | 4.831 | 0.3007 | -0.645 | -0.0207 | 0.802 | 0.51785 |
| 30 | 4.029 | 4.4406 | 4.883 | 0.33994 | 3.953 | 4.3452 | 4.833 | 0.32715 | -0.93 | -0.0954 | 0.651 | 0.57515 |
| 50 | 4.029 | 4.4406 | 4.883 | 0.33994 | 3.963 | 4.3993 | 4.827 | 0.32121 | -0.856 | -0.0413 | 0.704 | 0.49431 |
| 100 | 3.968 | 4.6037 | 4.812 | 0.28301 | 3.887 | 4.1805 | 4.571 | 0.22998 | -0.925 | -0.42325 | 0.243 | 0.39817 |

# Device Test: 5.46 tpd_SEQ_SD/SEQ_DONE/7/14/0/0/0/@TPD_SEQ_DONE




Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

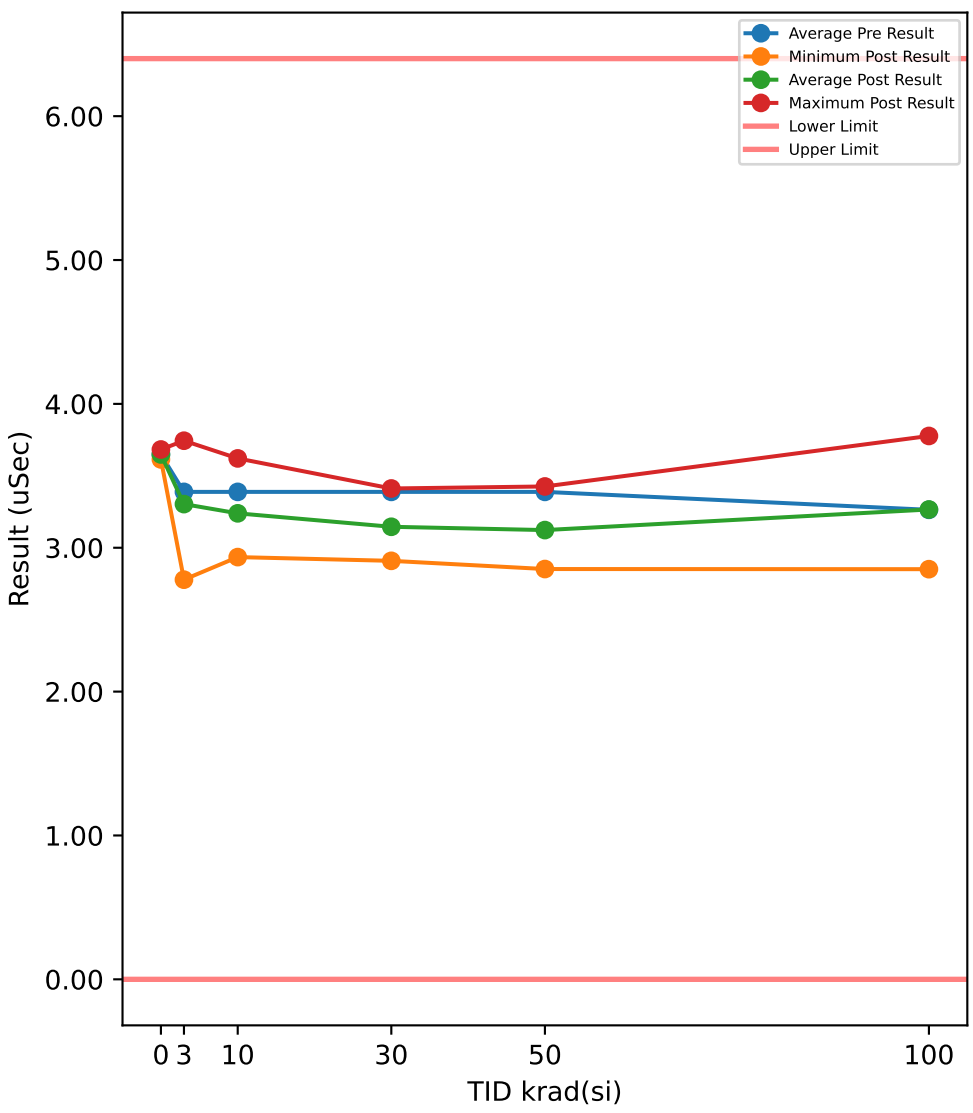
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.539 | 3.539 | 0 |
| 7 | 0 | Correlation | 3.322 | 3.322 | 0 |
| 16 | 3 | LDR-Biased | 2.975 | 3.63 | 0.655 |
| 18 | 3 | LDR-Biased | 3.65 | 2.939 | -0.711 |
| 19 | 3 | LDR-Biased | 3.584 | 3.637 | 0.053 |
| 20 | 3 | LDR-Biased | 3.253 | 2.938 | -0.315 |
| 21 | 3 | LDR-Biased | 3.687 | 3.511 | -0.176 |
| 22 | 3 | LDR-Unbiased | 3.587 | 3.048 | -0.539 |
| 23 | 3 | LDR-Unbiased | 2.904 | 3.142 | 0.238 |
| 25 | 3 | LDR-Unbiased | 3.616 | 2.899 | -0.717 |
| 26 | 3 | LDR-Unbiased | 3.692 | 3.275 | -0.417 |
| 27 | 3 | LDR-Unbiased | 3.551 | 3.169 | -0.382 |
| 46 | 10 | LDR-Biased | 2.975 | 2.914 | -0.061 |
| 48 | 10 | LDR-Biased | 3.65 | 3.209 | -0.441 |
| 49 | 10 | LDR-Biased | 3.584 | 3.048 | -0.536 |
| 50 | 10 | LDR-Biased | 3.253 | 3.163 | -0.09 |
| 51 | 10 | LDR-Biased | 3.687 | 3.389 | -0.298 |
| 52 | 10 | LDR-Unbiased | 3.587 | 3.36 | -0.227 |
| 53 | 10 | LDR-Unbiased | 2.904 | 3.507 | 0.603 |
| 55 | 10 | LDR-Unbiased | 3.616 | 3.294 | -0.322 |
| 56 | 10 | LDR-Unbiased | 3.692 | 3.507 | -0.185 |
| 57 | 10 | LDR-Unbiased | 3.551 | 3.43 | -0.121 |
| 76 | 30 | LDR-Biased | 2.975 | 3.589 | 0.614 |
| 78 | 30 | LDR-Biased | 3.65 | 3.463 | -0.187 |
| 79 | 30 | LDR-Biased | 3.584 | 3.156 | -0.428 |
| 80 | 30 | LDR-Biased | 3.253 | 2.953 | -0.3 |
| 81 | 30 | LDR-Biased | 3.687 | 2.942 | -0.745 |
| 82 | 30 | LDR-Unbiased | 3.587 | 2.957 | -0.63 |
| 83 | 30 | LDR-Unbiased | 2.904 | 3.123 | 0.219 |
| 84 | 30 | LDR-Unbiased | 3.551 | 3.072 | -0.479 |
| 85 | 30 | LDR-Unbiased | 3.616 | 2.973 | -0.643 |
| 86 | 30 | LDR-Unbiased | 3.692 | 3.691 | -0.001 |
| 87 | 100 | LDR-Biased | 3.627 | 3.672 | 0.045 |
| 88 | 100 | LDR-Biased | 3.075 | 2.834 | -0.241 |
| 90 | 100 | LDR-Biased | 3.533 | 2.724 | -0.809 |
| 91 | 100 | LDR-Unbiased | 2.871 | 3.487 | 0.616 |
| 93 | 100 | LDR-Unbiased | 3.002 | 3.238 | 0.236 |
| 94 | 100 | LDR-Unbiased | 3.613 | 3.163 | -0.45 |
| 95 | 100 | LDR-Unbiased | 2.773 | 3.474 | 0.701 |
| 96 | 100 | LDR-Unbiased | 3.447 | 3.029 | -0.418 |
| 106 | 50 | LDR-Biased | 2.975 | 3.099 | 0.124 |
| 108 | 50 | LDR-Biased | 3.65 | 2.798 | -0.852 |
| 109 | 50 | LDR-Biased | 3.584 | 2.956 | -0.628 |
| 110 | 50 | LDR-Biased | 3.253 | 3.05 | -0.203 |
| 111 | 50 | LDR-Biased | 3.687 | 3.519 | -0.168 |
| 112 | 50 | LDR-Unbiased | 3.587 | 3.581 | -0.006 |
| 113 | 50 | LDR-Unbiased | 2.904 | 3.586 | 0.682 |
| 115 | 50 | LDR-Unbiased | 3.616 | 3.574 | -0.042 |
| 116 | 50 | LDR-Unbiased | 3.692 | 2.861 | -0.831 |
| 117 | 50 | LDR-Unbiased | 3.551 | 2.904 | -0.647 |

Test Statistics (uSec)

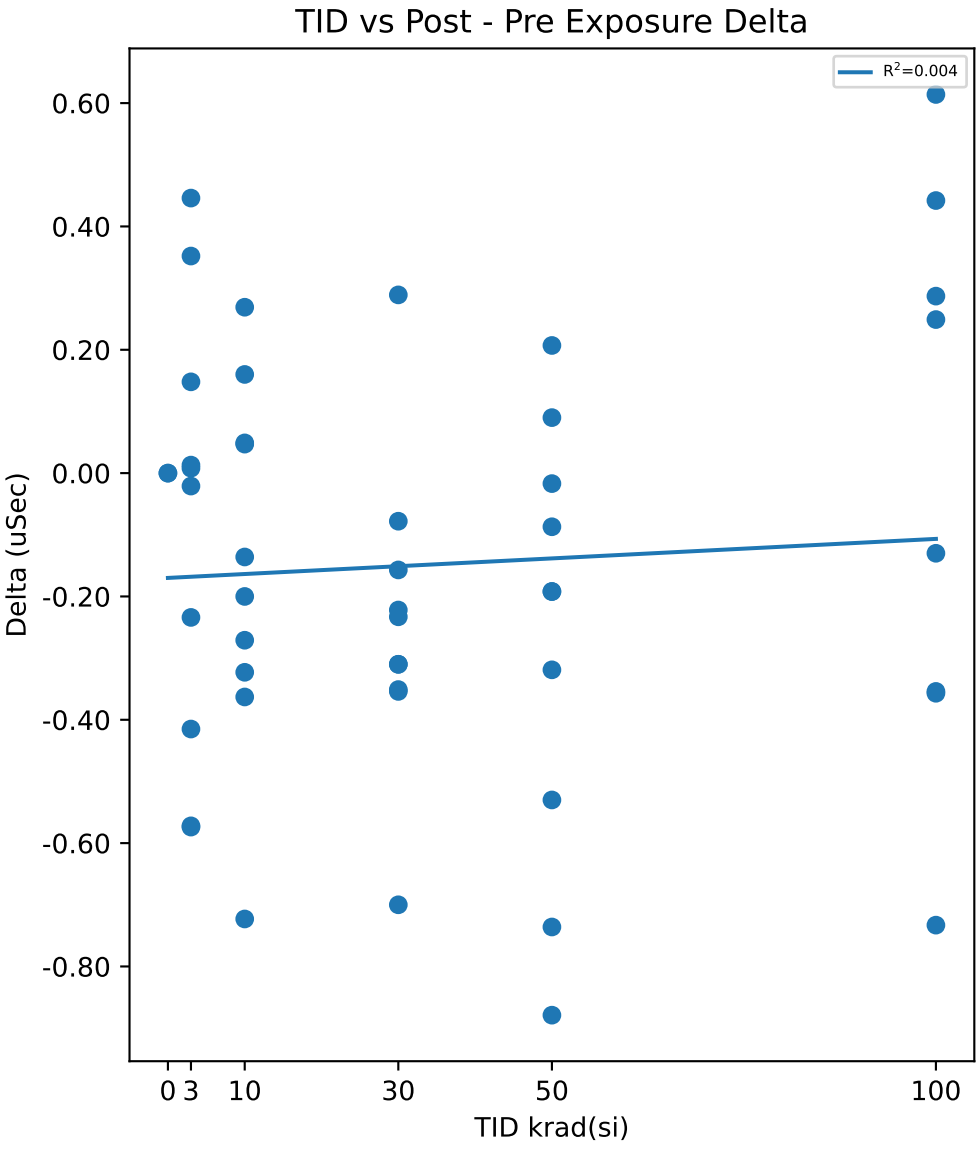
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.322 | 3.4305 | 3.539 | 0.15344 | 3.322 | 3.4305 | 3.539 | 0.15344 | 0 | 0 | 0 | 0 |
| 3 | 2.904 | 3.4499 | 3.692 | 0.2966 | 2.899 | 3.2188 | 3.637 | 0.2847 | -0.717 | -0.2311 | 0.655 | 0.43647 |
| 10 | 2.904 | 3.4499 | 3.692 | 0.2966 | 2.914 | 3.2821 | 3.507 | 0.19734 | -0.536 | -0.1678 | 0.603 | 0.31065 |
| 30 | 2.904 | 3.4499 | 3.692 | 0.2966 | 2.942 | 3.1919 | 3.691 | 0.28349 | -0.745 | -0.258 | 0.614 | 0.42977 |
| 50 | 2.904 | 3.4499 | 3.692 | 0.2966 | 2.798 | 3.1928 | 3.586 | 0.33194 | -0.852 | -0.2571 | 0.682 | 0.48536 |
| 100 | 2.773 | 3.2426 | 3.627 | 0.34962 | 2.724 | 3.2026 | 3.672 | 0.33226 | -0.809 | -0.04 | 0.701 | 0.53527 |

# Device Test: 5.47 tpd_PWRGD_SD/PWRGD/7/14/0/0/0/@TPD_PWRGD

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



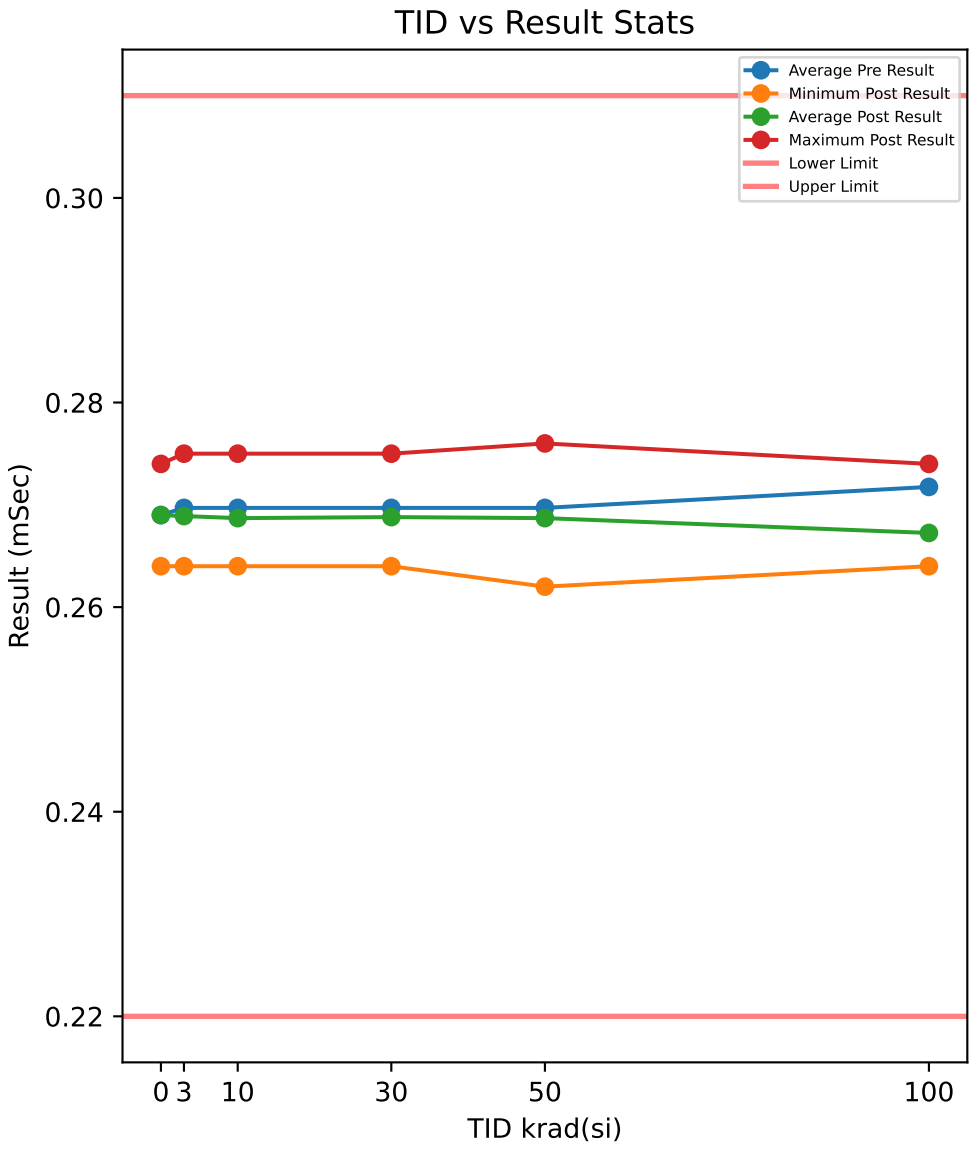

## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

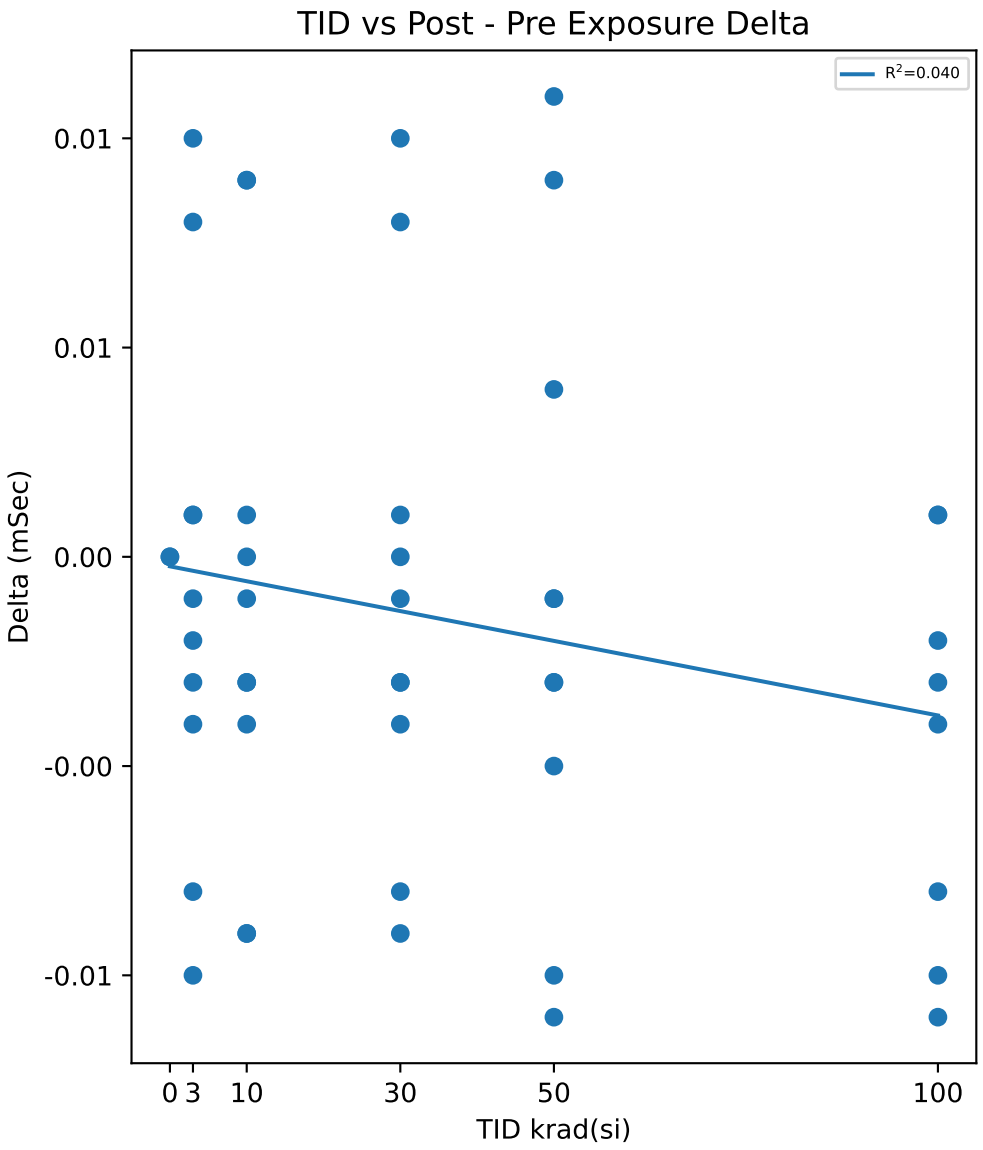
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.683 | 3.683 | 0 |
| 7 | 0 | Correlation | 3.614 | 3.614 | 0 |
| 16 | 3 | LDR-Biased | 2.906 | 2.885 | -0.021 |
| 18 | 3 | LDR-Biased | 3.299 | 3.447 | 0.148 |
| 19 | 3 | LDR-Biased | 3.071 | 3.423 | 0.352 |
| 20 | 3 | LDR-Biased | 3.352 | 2.778 | -0.574 |
| 21 | 3 | LDR-Biased | 3.219 | 2.985 | -0.234 |
| 22 | 3 | LDR-Unbiased | 3.731 | 3.744 | 0.013 |
| 23 | 3 | LDR-Unbiased | 3.219 | 3.665 | 0.446 |
| 25 | 3 | LDR-Unbiased | 3.728 | 3.736 | 0.008 |
| 26 | 3 | LDR-Unbiased | 3.636 | 3.221 | -0.415 |
| 27 | 3 | LDR-Unbiased | 3.722 | 3.15 | -0.572 |
| 46 | 10 | LDR-Biased | 2.906 | 2.955 | 0.049 |
| 48 | 10 | LDR-Biased | 3.299 | 3.459 | 0.16 |
| 49 | 10 | LDR-Biased | 3.071 | 2.935 | -0.136 |
| 50 | 10 | LDR-Biased | 3.352 | 3.621 | 0.269 |
| 51 | 10 | LDR-Biased | 3.219 | 3.019 | -0.2 |
| 52 | 10 | LDR-Unbiased | 3.731 | 3.008 | -0.723 |
| 53 | 10 | LDR-Unbiased | 3.219 | 3.266 | 0.047 |
| 55 | 10 | LDR-Unbiased | 3.728 | 3.365 | -0.363 |
| 56 | 10 | LDR-Unbiased | 3.636 | 3.365 | -0.271 |
| 57 | 10 | LDR-Unbiased | 3.722 | 3.399 | -0.323 |
| 76 | 30 | LDR-Biased | 2.906 | 3.195 | 0.289 |
| 78 | 30 | LDR-Biased | 3.299 | 3.077 | -0.222 |
| 79 | 30 | LDR-Biased | 3.071 | 2.993 | -0.078 |
| 80 | 30 | LDR-Biased | 3.352 | 3.001 | -0.351 |
| 81 | 30 | LDR-Biased | 3.219 | 2.909 | -0.31 |
| 82 | 30 | LDR-Unbiased | 3.731 | 3.377 | -0.354 |
| 83 | 30 | LDR-Unbiased | 3.219 | 3.062 | -0.157 |
| 84 | 30 | LDR-Unbiased | 3.722 | 3.412 | -0.31 |
| 85 | 30 | LDR-Unbiased | 3.728 | 3.028 | -0.7 |
| 86 | 30 | LDR-Unbiased | 3.636 | 3.403 | -0.233 |
| 87 | 100 | LDR-Biased | 3.155 | 3.442 | 0.287 |
| 88 | 100 | LDR-Biased | 3.208 | 2.851 | -0.357 |
| 90 | 100 | LDR-Biased | 3.617 | 2.884 | -0.733 |
| 91 | 100 | LDR-Unbiased | 3.335 | 3.777 | 0.442 |
| 93 | 100 | LDR-Unbiased | 3.643 | 3.513 | -0.13 |
| 94 | 100 | LDR-Unbiased | 3.256 | 2.902 | -0.354 |
| 95 | 100 | LDR-Unbiased | 2.946 | 3.195 | 0.249 |
| 96 | 100 | LDR-Unbiased | 2.949 | 3.563 | 0.614 |
| 106 | 50 | LDR-Biased | 2.906 | 2.996 | 0.09 |
| 108 | 50 | LDR-Biased | 3.299 | 3.282 | -0.017 |
| 109 | 50 | LDR-Biased | 3.071 | 2.879 | -0.192 |
| 110 | 50 | LDR-Biased | 3.352 | 3.265 | -0.087 |
| 111 | 50 | LDR-Biased | 3.219 | 3.426 | 0.207 |
| 112 | 50 | LDR-Unbiased | 3.731 | 2.852 | -0.879 |
| 113 | 50 | LDR-Unbiased | 3.219 | 3.027 | -0.192 |
| 115 | 50 | LDR-Unbiased | 3.728 | 3.409 | -0.319 |
| 116 | 50 | LDR-Unbiased | 3.636 | 2.9 | -0.736 |
| 117 | 50 | LDR-Unbiased | 3.722 | 3.192 | -0.53 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.614 | 3.6485 | 3.683 | 0.04879 | 3.614 | 3.6485 | 3.683 | 0.04879 | 0 | 0 | 0 | 0 |
| 3 | 2.906 | 3.3883 | 3.731 | 0.29916 | 2.778 | 3.3034 | 3.744 | 0.3543 | -0.574 | -0.0849 | 0.446 | 0.35854 |
| 10 | 2.906 | 3.3883 | 3.731 | 0.29916 | 2.935 | 3.2392 | 3.621 | 0.24204 | -0.723 | -0.1491 | 0.269 | 0.29269 |
| 30 | 2.906 | 3.3883 | 3.731 | 0.29916 | 2.909 | 3.1457 | 3.412 | 0.18824 | -0.7 | -0.2426 | 0.289 | 0.24944 |
| 50 | 2.906 | 3.3883 | 3.731 | 0.29916 | 2.852 | 3.1228 | 3.426 | 0.21905 | -0.879 | -0.2655 | 0.207 | 0.3535 |
| 100 | 2.946 | 3.2636 | 3.643 | 0.26423 | 2.851 | 3.2659 | 3.777 | 0.35797 | -0.733 | 0.00225 | 0.614 | 0.46654 |

# Device Test: 5.48 tdly_Res10p5K_EN1_SU/EN1/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



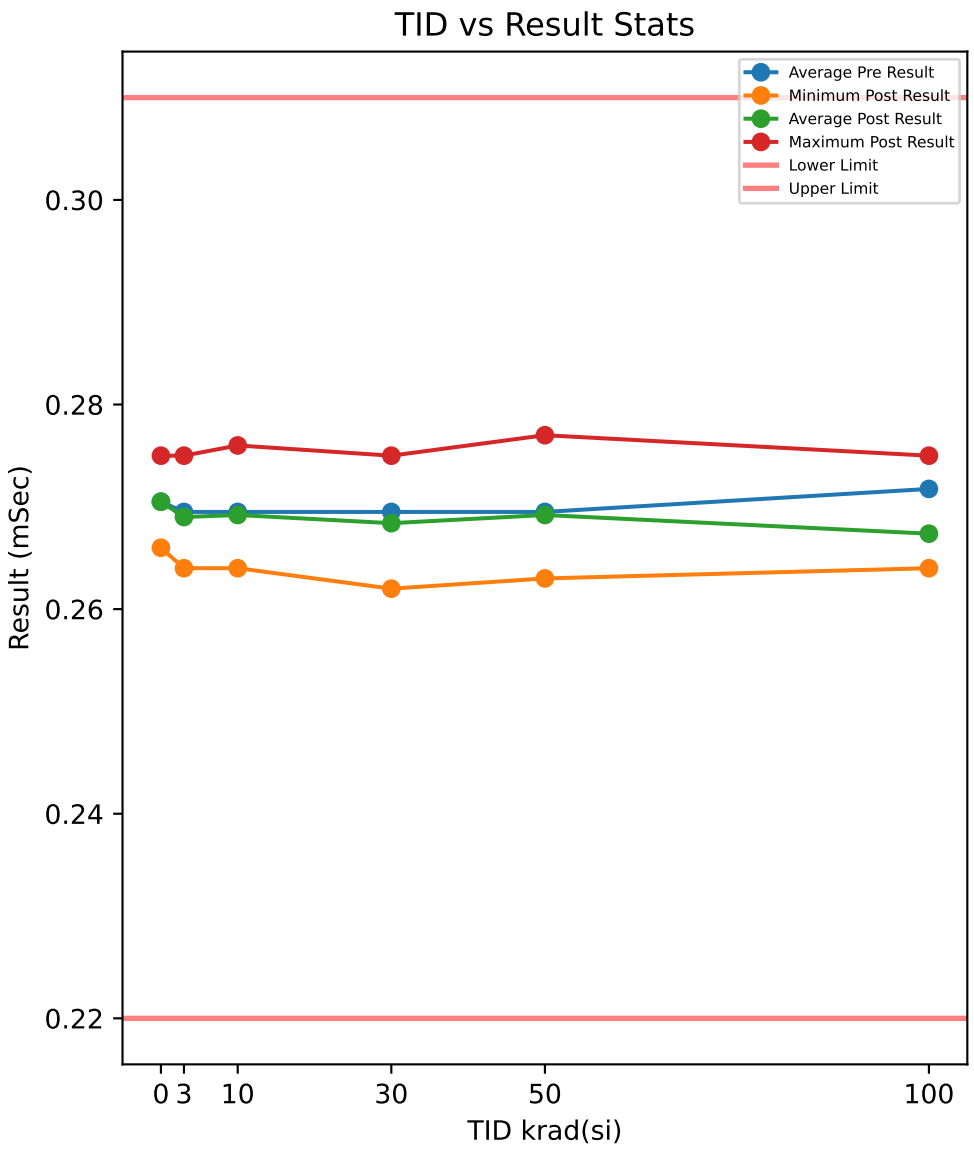

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

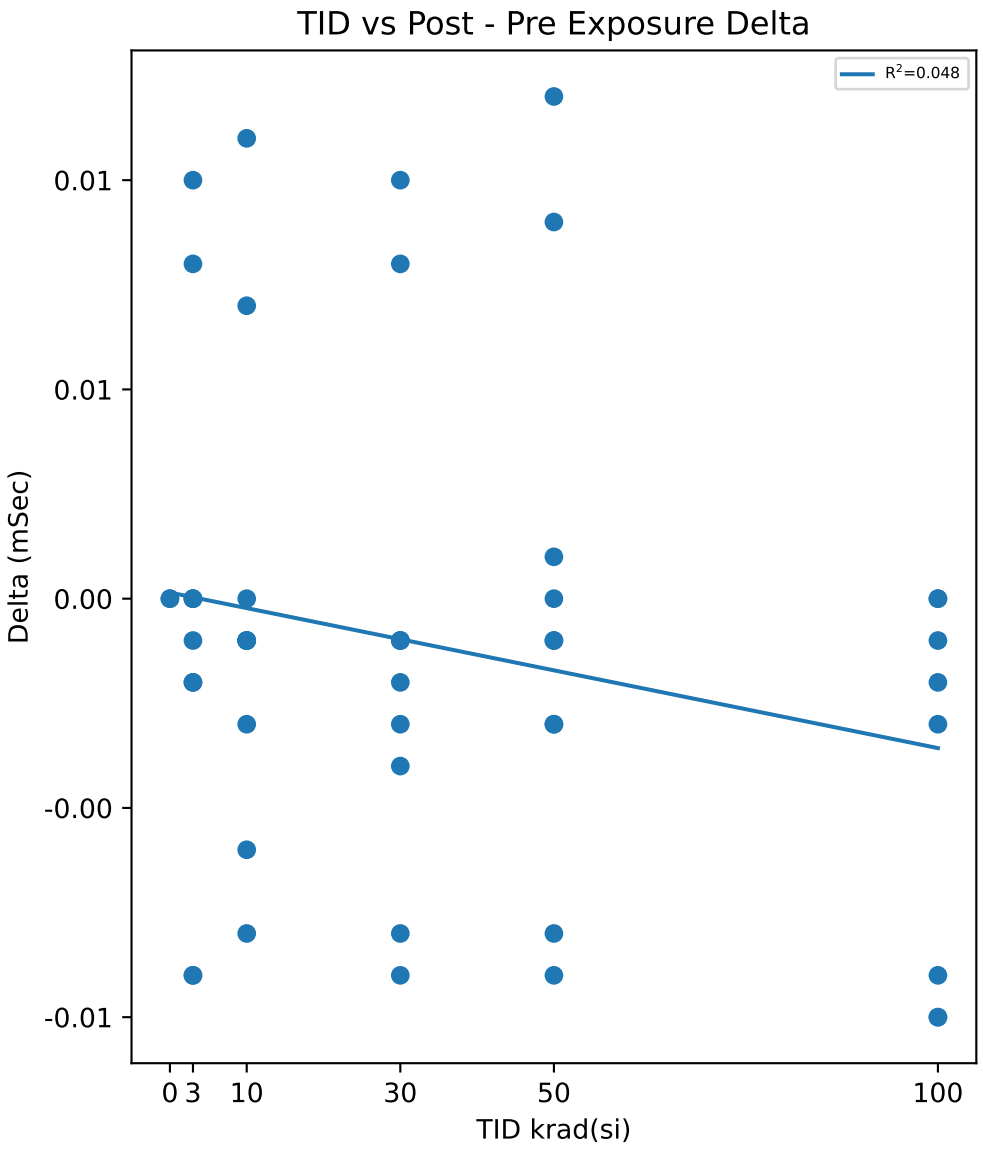
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 18 | 3 | LDR-Biased | 0.274 | 0.275 | 0.001 |
| 19 | 3 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 20 | 3 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 21 | 3 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.265 | 0.273 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 46 | 10 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 48 | 10 | LDR-Biased | 0.274 | 0.275 | 0.001 |
| 49 | 10 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 50 | 10 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 51 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 52 | 10 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 55 | 10 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.273 | -0.003 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.274 | 0.274 | 0 |
| 79 | 30 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 80 | 30 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 81 | 30 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.265 | 0.273 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.27 | 0.266 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.273 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 87 | 100 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 88 | 100 | LDR-Biased | 0.278 | 0.274 | -0.004 |
| 90 | 100 | LDR-Biased | 0.275 | 0.272 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.277 | 0.266 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.274 | 0.266 | -0.008 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 106 | 50 | LDR-Biased | 0.276 | 0.265 | -0.011 |
| 108 | 50 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 109 | 50 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 110 | 50 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 111 | 50 | LDR-Biased | 0.264 | 0.268 | 0.004 |
| 112 | 50 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.27 | 0.265 | -0.005 |
| 115 | 50 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.264 | 0.269 | 0.274 | 0.0070711 | 0.264 | 0.269 | 0.274 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2697 | 0.276 | 0.0049227 | 0.264 | 0.2689 | 0.275 | 0.0046774 | -0.01 | -0.0008 | 0.01 | 0.0062681 |
| 10 | 0.264 | 0.2697 | 0.276 | 0.0049227 | 0.264 | 0.2687 | 0.275 | 0.0046679 | -0.009 | -0.001 | 0.009 | 0.0062361 |
| 30 | 0.264 | 0.2697 | 0.276 | 0.0049227 | 0.264 | 0.2688 | 0.275 | 0.0043665 | -0.009 | -0.0009 | 0.01 | 0.0061183 |
| 50 | 0.264 | 0.2697 | 0.276 | 0.0049227 | 0.262 | 0.2687 | 0.276 | 0.0052504 | -0.011 | -0.001 | 0.011 | 0.0072572 |
| 100 | 0.264 | 0.27175 | 0.278 | 0.0060178 | 0.264 | 0.26725 | 0.274 | 0.0036547 | -0.011 | -0.0045 | 0.001 | 0.0046904 |

# Device Test: 5.49 tdly_Res10p5K_EN2_SU/EN2/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



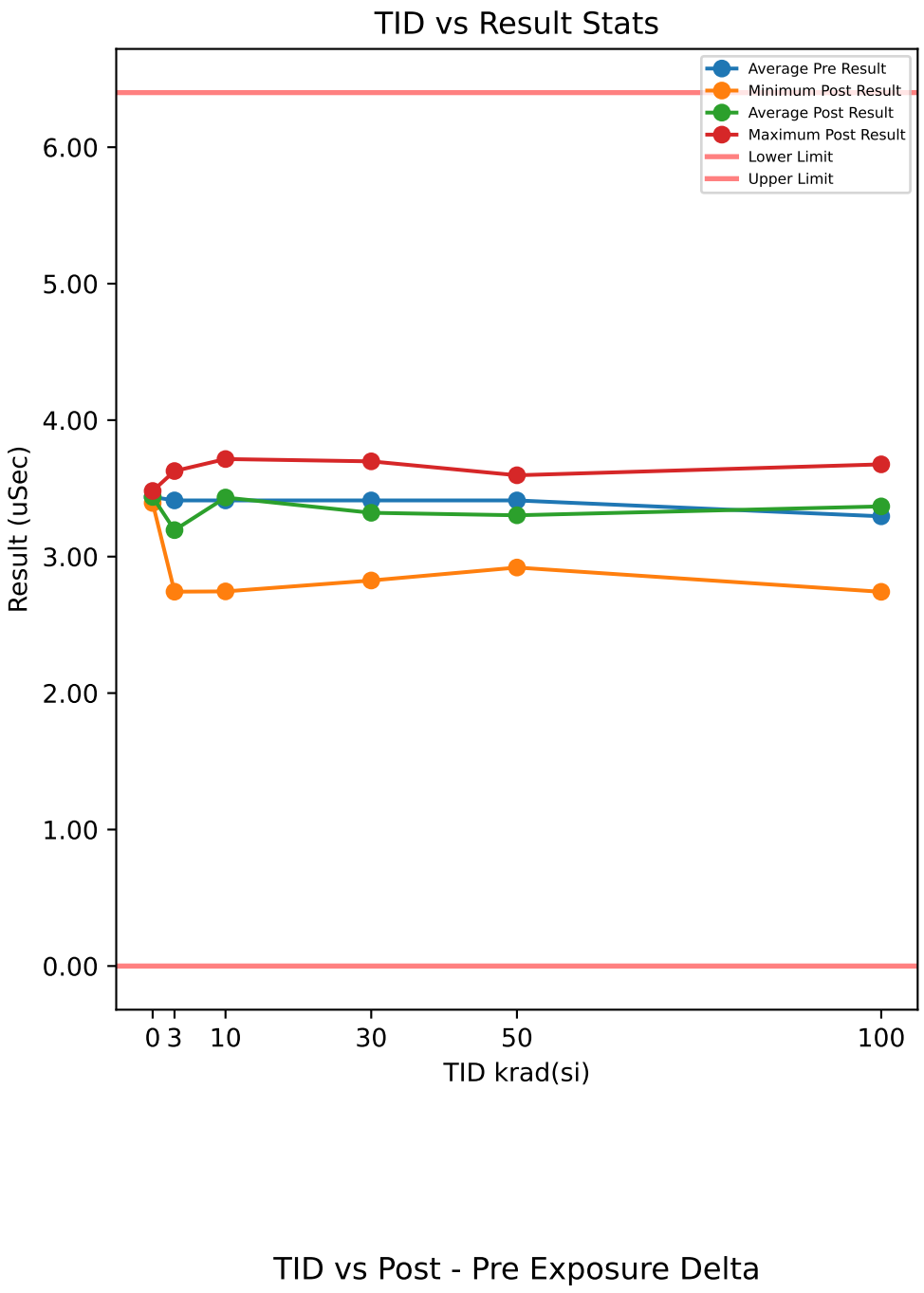

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

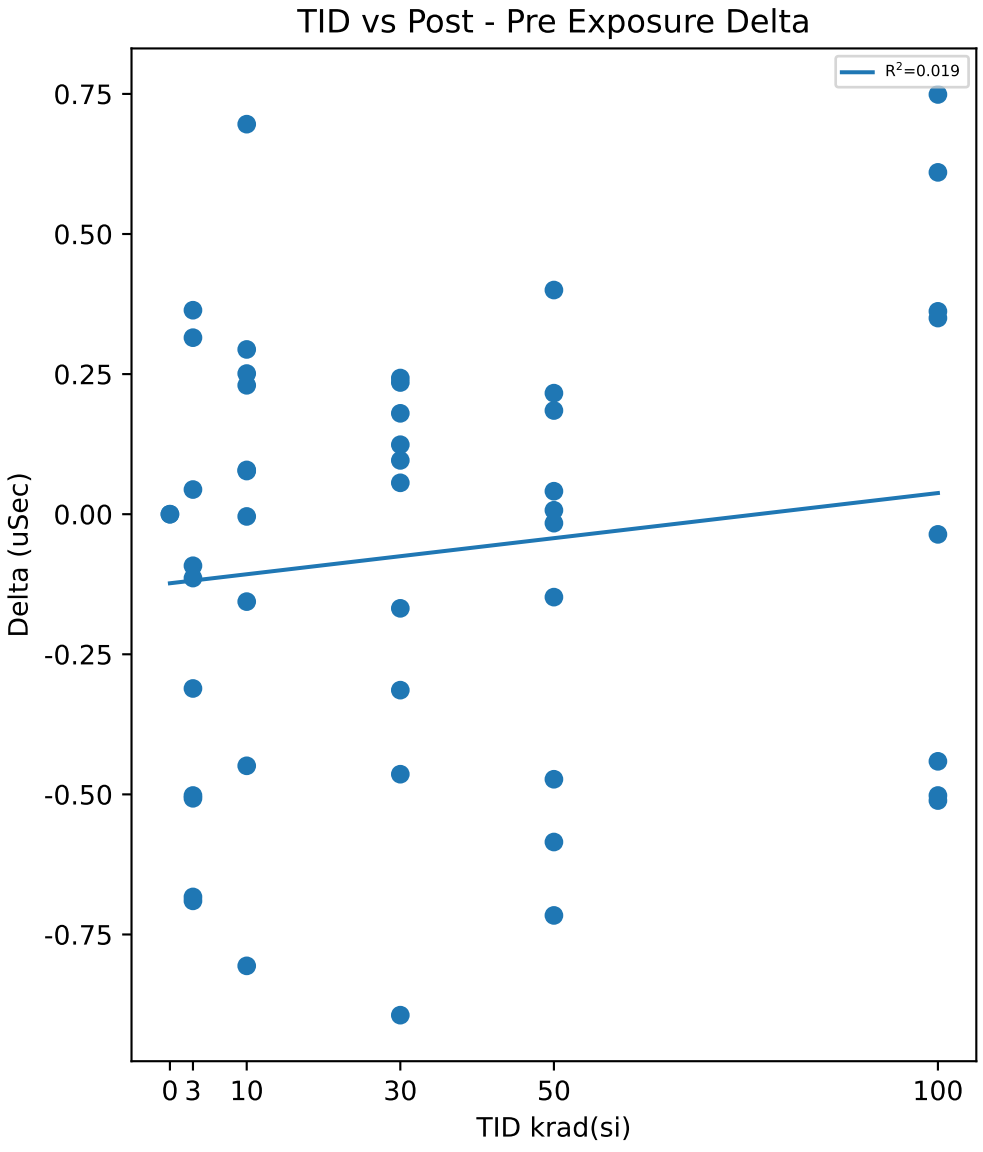
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.275 | 0.275 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 18 | 3 | LDR-Biased | 0.274 | 0.274 | 0 |
| 19 | 3 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 20 | 3 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 21 | 3 | LDR-Biased | 0.265 | 0.265 | 0 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.275 | 0.275 | 0 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.274 | 0.274 | 0 |
| 49 | 10 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 50 | 10 | LDR-Biased | 0.273 | 0.267 | -0.006 |
| 51 | 10 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.273 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 79 | 30 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 80 | 30 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 81 | 30 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.275 | 0.273 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 87 | 100 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 88 | 100 | LDR-Biased | 0.275 | 0.275 | 0 |
| 90 | 100 | LDR-Biased | 0.276 | 0.273 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.265 | 0 |
| 94 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.266 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.274 | 0.274 | 0 |
| 109 | 50 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 110 | 50 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 111 | 50 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.277 | 0.012 |
| 117 | 50 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2705 | 0.275 | 0.006364 | 0.266 | 0.2705 | 0.275 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.265 | 0.2695 | 0.276 | 0.0044535 | 0.264 | 0.269 | 0.275 | 0.0048305 | -0.009 | -0.0005 | 0.01 | 0.0060782 |
| 10 | 0.265 | 0.2695 | 0.276 | 0.0044535 | 0.264 | 0.2692 | 0.276 | 0.0045412 | -0.008 | -0.0003 | 0.011 | 0.0055986 |
| 30 | 0.265 | 0.2695 | 0.276 | 0.0044535 | 0.262 | 0.2684 | 0.275 | 0.004812 | -0.009 | -0.0011 | 0.01 | 0.0060452 |
| 50 | 0.265 | 0.2695 | 0.276 | 0.0044535 | 0.263 | 0.2692 | 0.277 | 0.0051597 | -0.009 | -0.0003 | 0.012 | 0.0065836 |
| 100 | 0.265 | 0.27175 | 0.276 | 0.0050639 | 0.264 | 0.26738 | 0.275 | 0.0041726 | -0.01 | -0.004375 | 0 | 0.004502 |

# Device Test: 5.5 tpd_PWRGD_SU/PWRGD/1.6/3/0/0/0/@TPD_PWRGD



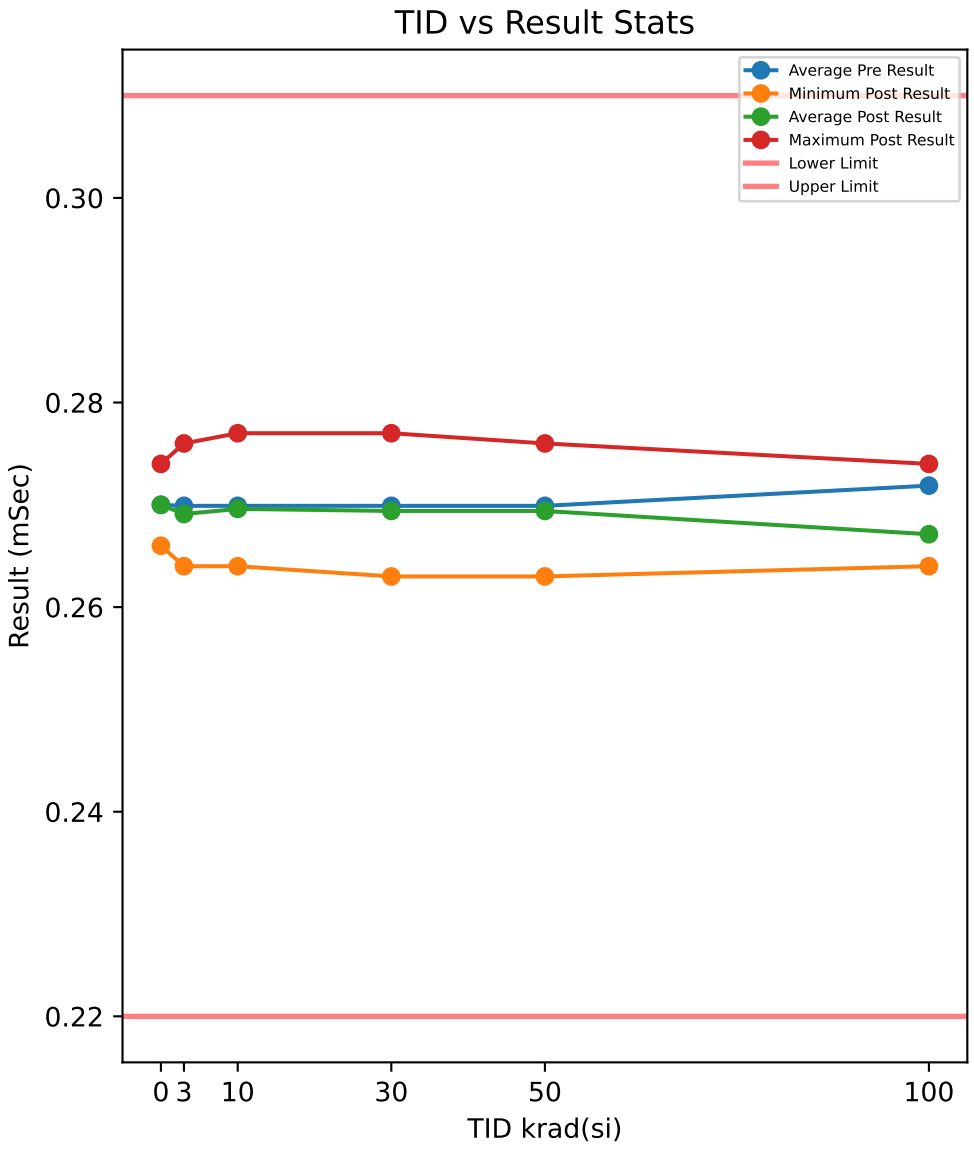

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

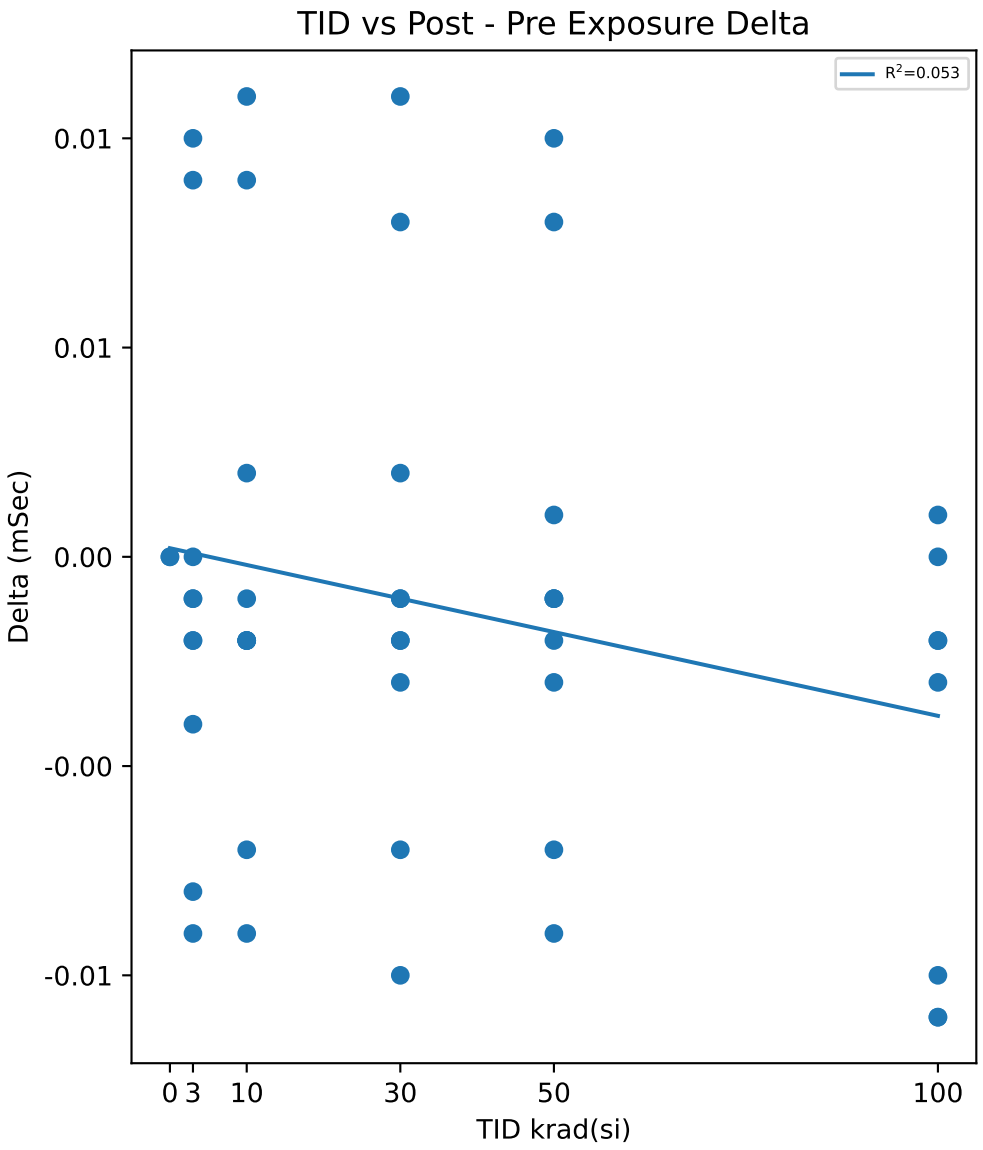
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.481 | 3.481 | 0 |
| 7 | 0 | Correlation | 3.393 | 3.393 | 0 |
| 16 | 3 | LDR-Biased | 3.421 | 3.307 | -0.114 |
| 18 | 3 | LDR-Biased | 3.636 | 2.946 | -0.69 |
| 19 | 3 | LDR-Biased | 2.955 | 3.319 | 0.364 |
| 20 | 3 | LDR-Biased | 3.411 | 3.455 | 0.044 |
| 21 | 3 | LDR-Biased | 3.25 | 2.743 | -0.507 |
| 22 | 3 | LDR-Unbiased | 3.194 | 3.509 | 0.315 |
| 23 | 3 | LDR-Unbiased | 3.584 | 3.082 | -0.502 |
| 25 | 3 | LDR-Unbiased | 3.574 | 2.891 | -0.683 |
| 26 | 3 | LDR-Unbiased | 3.373 | 3.062 | -0.311 |
| 27 | 3 | LDR-Unbiased | 3.719 | 3.627 | -0.092 |
| 46 | 10 | LDR-Biased | 3.421 | 3.715 | 0.294 |
| 48 | 10 | LDR-Biased | 3.636 | 3.48 | -0.156 |
| 49 | 10 | LDR-Biased | 2.955 | 3.651 | 0.696 |
| 50 | 10 | LDR-Biased | 3.411 | 3.662 | 0.251 |
| 51 | 10 | LDR-Biased | 3.25 | 3.48 | 0.23 |
| 52 | 10 | LDR-Unbiased | 3.194 | 2.745 | -0.449 |
| 53 | 10 | LDR-Unbiased | 3.584 | 3.58 | -0.004 |
| 55 | 10 | LDR-Unbiased | 3.574 | 3.651 | 0.077 |
| 56 | 10 | LDR-Unbiased | 3.373 | 3.452 | 0.079 |
| 57 | 10 | LDR-Unbiased | 3.719 | 2.913 | -0.806 |
| 76 | 30 | LDR-Biased | 3.421 | 3.477 | 0.056 |
| 78 | 30 | LDR-Biased | 3.636 | 3.468 | -0.168 |
| 79 | 30 | LDR-Biased | 2.955 | 3.198 | 0.243 |
| 80 | 30 | LDR-Biased | 3.411 | 3.097 | -0.314 |
| 81 | 30 | LDR-Biased | 3.25 | 3.346 | 0.096 |
| 82 | 30 | LDR-Unbiased | 3.194 | 3.429 | 0.235 |
| 83 | 30 | LDR-Unbiased | 3.584 | 3.12 | -0.464 |
| 84 | 30 | LDR-Unbiased | 3.719 | 2.825 | -0.894 |
| 85 | 30 | LDR-Unbiased | 3.574 | 3.698 | 0.124 |
| 86 | 30 | LDR-Unbiased | 3.373 | 3.553 | 0.18 |
| 87 | 100 | LDR-Biased | 2.871 | 3.481 | 0.61 |
| 88 | 100 | LDR-Biased | 3.222 | 3.572 | 0.35 |
| 90 | 100 | LDR-Biased | 3.54 | 3.504 | -0.036 |
| 91 | 100 | LDR-Unbiased | 3.671 | 3.169 | -0.502 |
| 93 | 100 | LDR-Unbiased | 2.834 | 3.583 | 0.749 |
| 94 | 100 | LDR-Unbiased | 3.253 | 2.742 | -0.511 |
| 95 | 100 | LDR-Unbiased | 3.657 | 3.216 | -0.441 |
| 96 | 100 | LDR-Unbiased | 3.314 | 3.676 | 0.362 |
| 106 | 50 | LDR-Biased | 3.421 | 3.405 | -0.016 |
| 108 | 50 | LDR-Biased | 3.636 | 2.92 | -0.716 |
| 109 | 50 | LDR-Biased | 2.955 | 3.355 | 0.4 |
| 110 | 50 | LDR-Biased | 3.411 | 3.596 | 0.185 |
| 111 | 50 | LDR-Biased | 3.25 | 3.466 | 0.216 |
| 112 | 50 | LDR-Unbiased | 3.194 | 3.201 | 0.007 |
| 113 | 50 | LDR-Unbiased | 3.584 | 3.436 | -0.148 |
| 115 | 50 | LDR-Unbiased | 3.574 | 2.989 | -0.585 |
| 116 | 50 | LDR-Unbiased | 3.373 | 3.414 | 0.041 |
| 117 | 50 | LDR-Unbiased | 3.719 | 3.246 | -0.473 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.393 | 3.437 | 3.481 | 0.062225 | 3.393 | 3.437 | 3.481 | 0.062225 | 0 | 0 | 0 | 0 |
| 3 | 2.955 | 3.4117 | 3.719 | 0.23201 | 2.743 | 3.1941 | 3.627 | 0.29248 | -0.69 | -0.2176 | 0.364 | 0.38442 |
| 10 | 2.955 | 3.4117 | 3.719 | 0.23201 | 2.745 | 3.4329 | 3.715 | 0.33286 | -0.806 | 0.0212 | 0.696 | 0.41767 |
| 30 | 2.955 | 3.4117 | 3.719 | 0.23201 | 2.825 | 3.3211 | 3.698 | 0.25947 | -0.894 | -0.0906 | 0.243 | 0.37024 |
| 50 | 2.955 | 3.4117 | 3.719 | 0.23201 | 2.92 | 3.3028 | 3.596 | 0.2146 | -0.716 | -0.1089 | 0.4 | 0.3689 |
| 100 | 2.834 | 3.2953 | 3.671 | 0.32342 | 2.742 | 3.3679 | 3.676 | 0.30904 | -0.511 | 0.072625 | 0.749 | 0.51455 |

# Device Test: 5.50 tdly_Res10p5K_EN3_SU/EN3/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



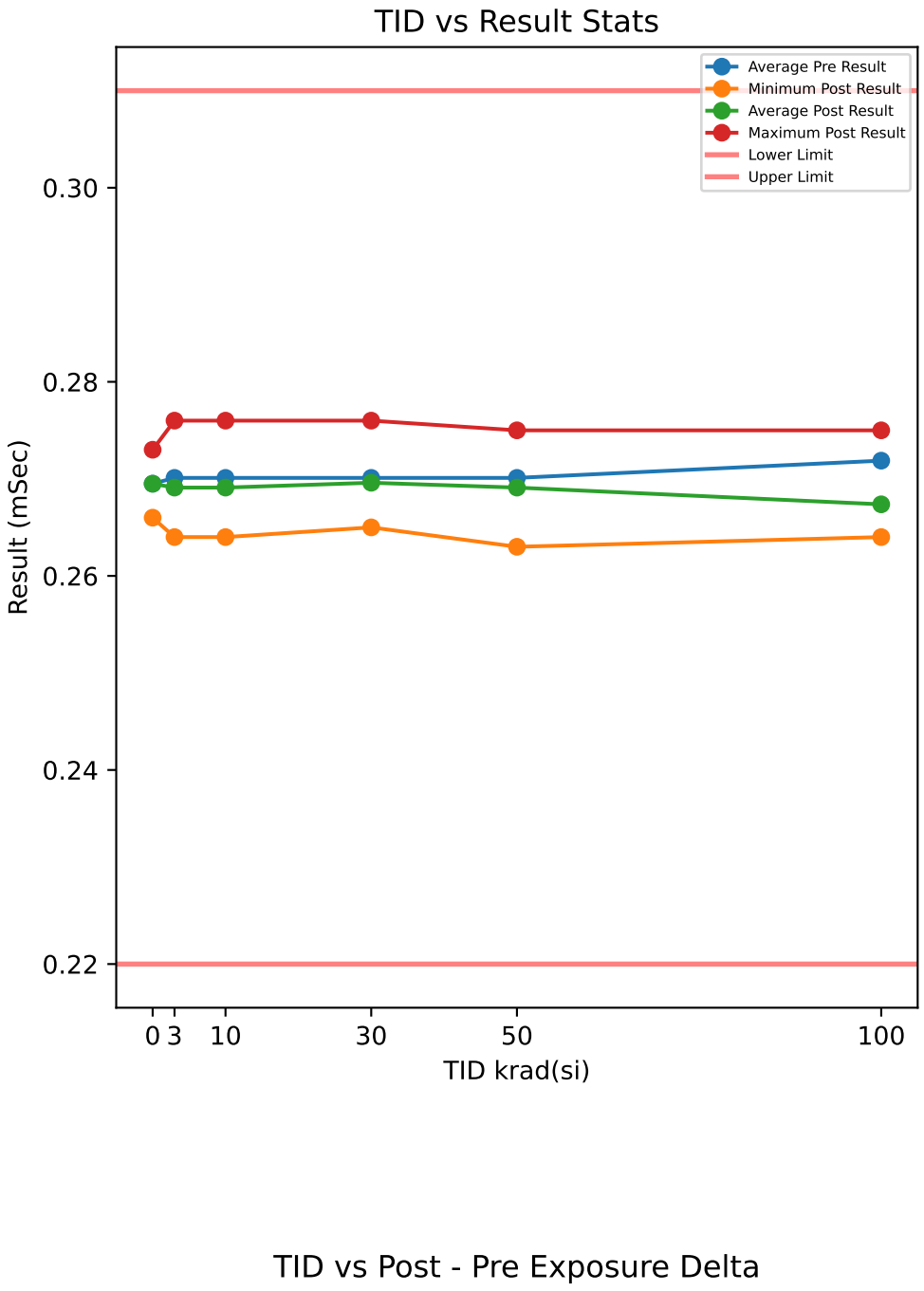

## Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

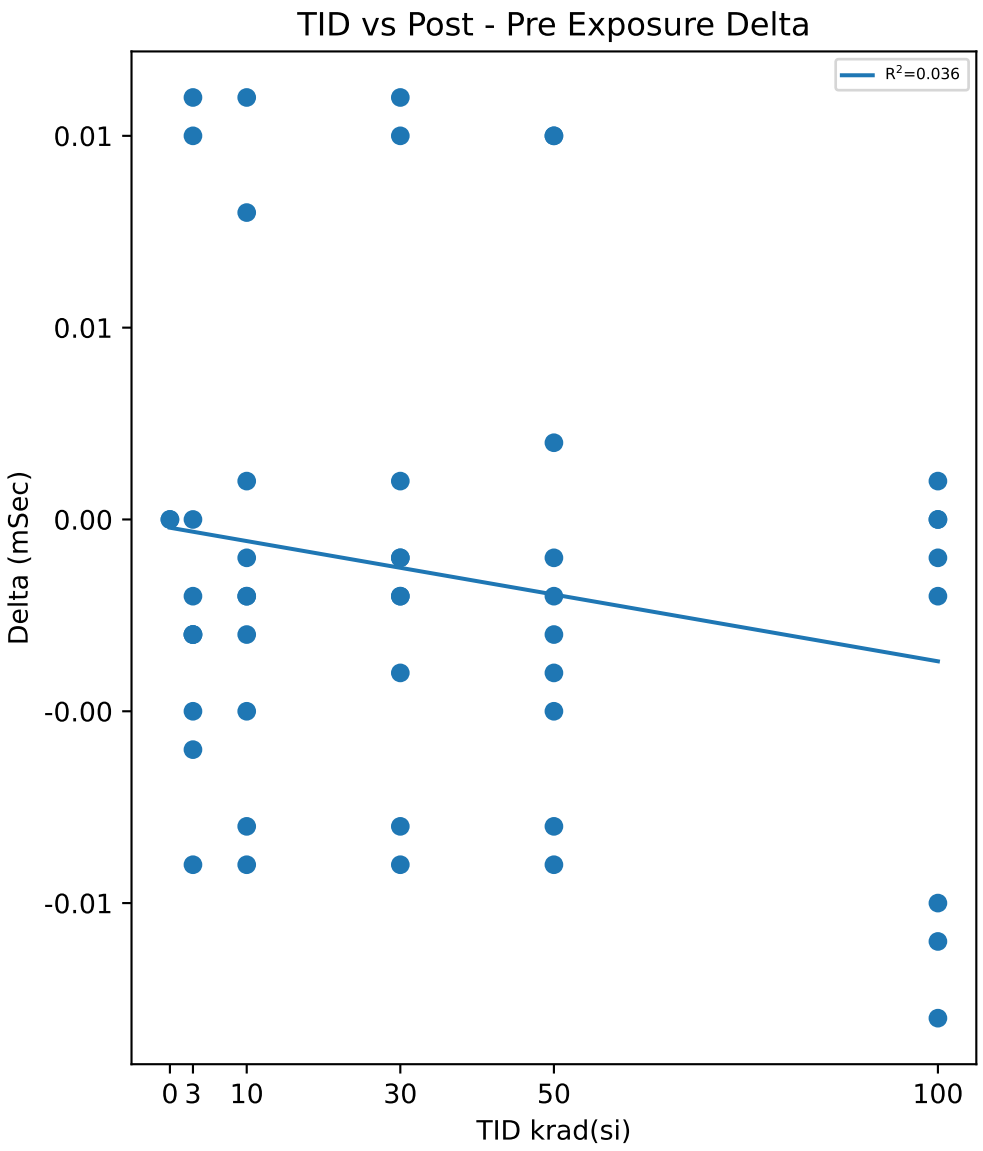
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 18 | 3 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 19 | 3 | LDR-Biased | 0.268 | 0.264 | -0.004 |
| 20 | 3 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 21 | 3 | LDR-Biased | 0.264 | 0.264 | 0 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |
| 46 | 10 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 48 | 10 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 49 | 10 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 50 | 10 | LDR-Biased | 0.273 | 0.266 | -0.007 |
| 51 | 10 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |
| 76 | 30 | LDR-Biased | 0.277 | 0.267 | -0.01 |
| 78 | 30 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 79 | 30 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 80 | 30 | LDR-Biased | 0.273 | 0.266 | -0.007 |
| 81 | 30 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 87 | 100 | LDR-Biased | 0.264 | 0.264 | 0 |
| 88 | 100 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 90 | 100 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.277 | 0.266 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 106 | 50 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 108 | 50 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 109 | 50 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 110 | 50 | LDR-Biased | 0.273 | 0.266 | -0.007 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2699 | 0.277 | 0.0048408 | 0.264 | 0.2691 | 0.276 | 0.0052377 | -0.009 | -0.0008 | 0.01 | 0.0061968 |
| 10 | 0.264 | 0.2699 | 0.277 | 0.0048408 | 0.264 | 0.2696 | 0.277 | 0.004812 | -0.009 | -0.0003 | 0.011 | 0.0062548 |
| 30 | 0.264 | 0.2699 | 0.277 | 0.0048408 | 0.263 | 0.2694 | 0.277 | 0.0049933 | -0.01 | -0.0005 | 0.011 | 0.0062761 |
| 50 | 0.264 | 0.2699 | 0.277 | 0.0048408 | 0.263 | 0.2694 | 0.276 | 0.004812 | -0.009 | -0.0005 | 0.01 | 0.0058547 |
| 100 | 0.264 | 0.27188 | 0.277 | 0.0060341 | 0.264 | 0.26713 | 0.274 | 0.0042908 | -0.011 | -0.00475 | 0.001 | 0.0050639 |

# Device Test: 5.51 tdly_Res10p5K_EN4_SU/EN4/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



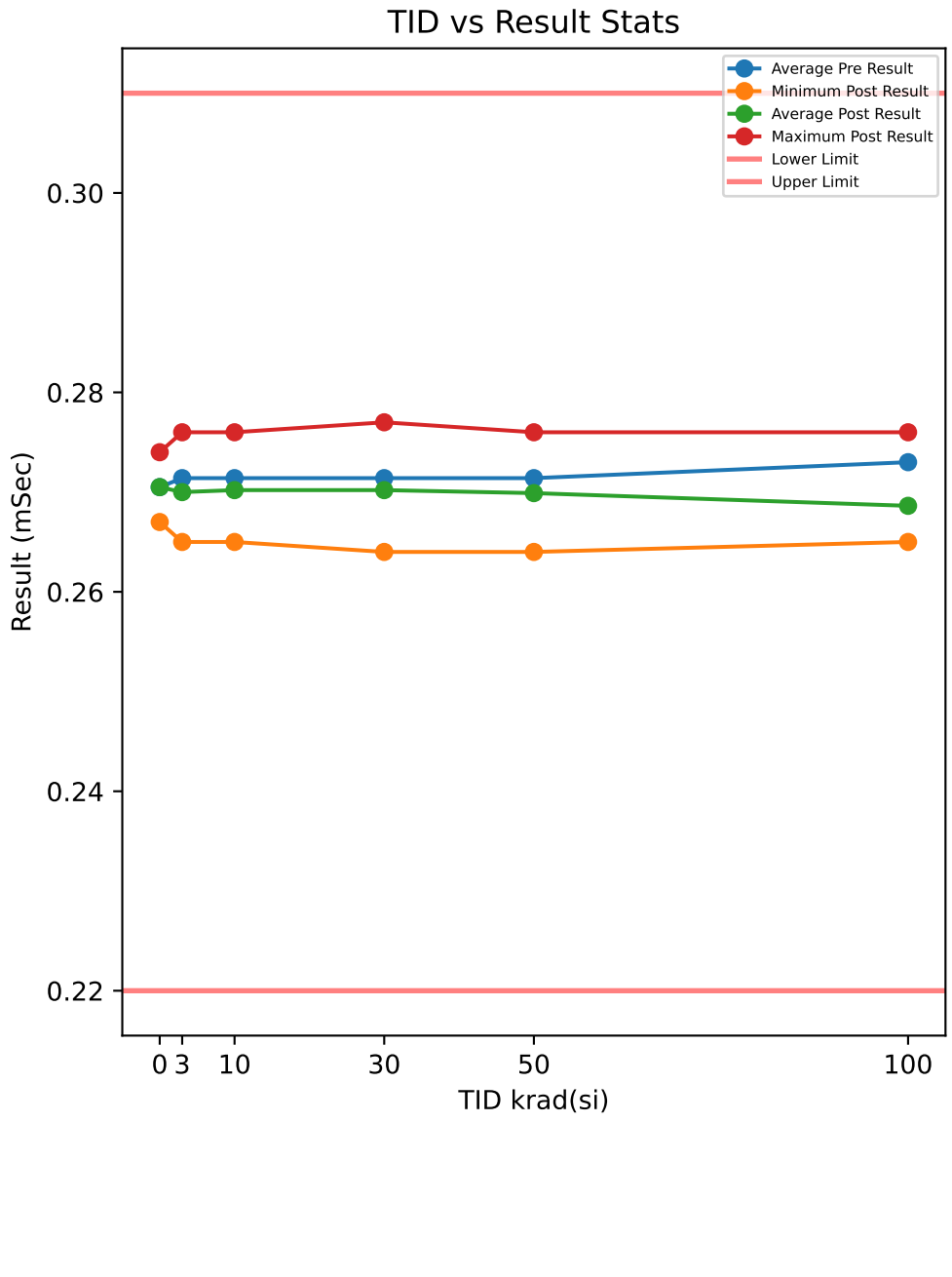

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

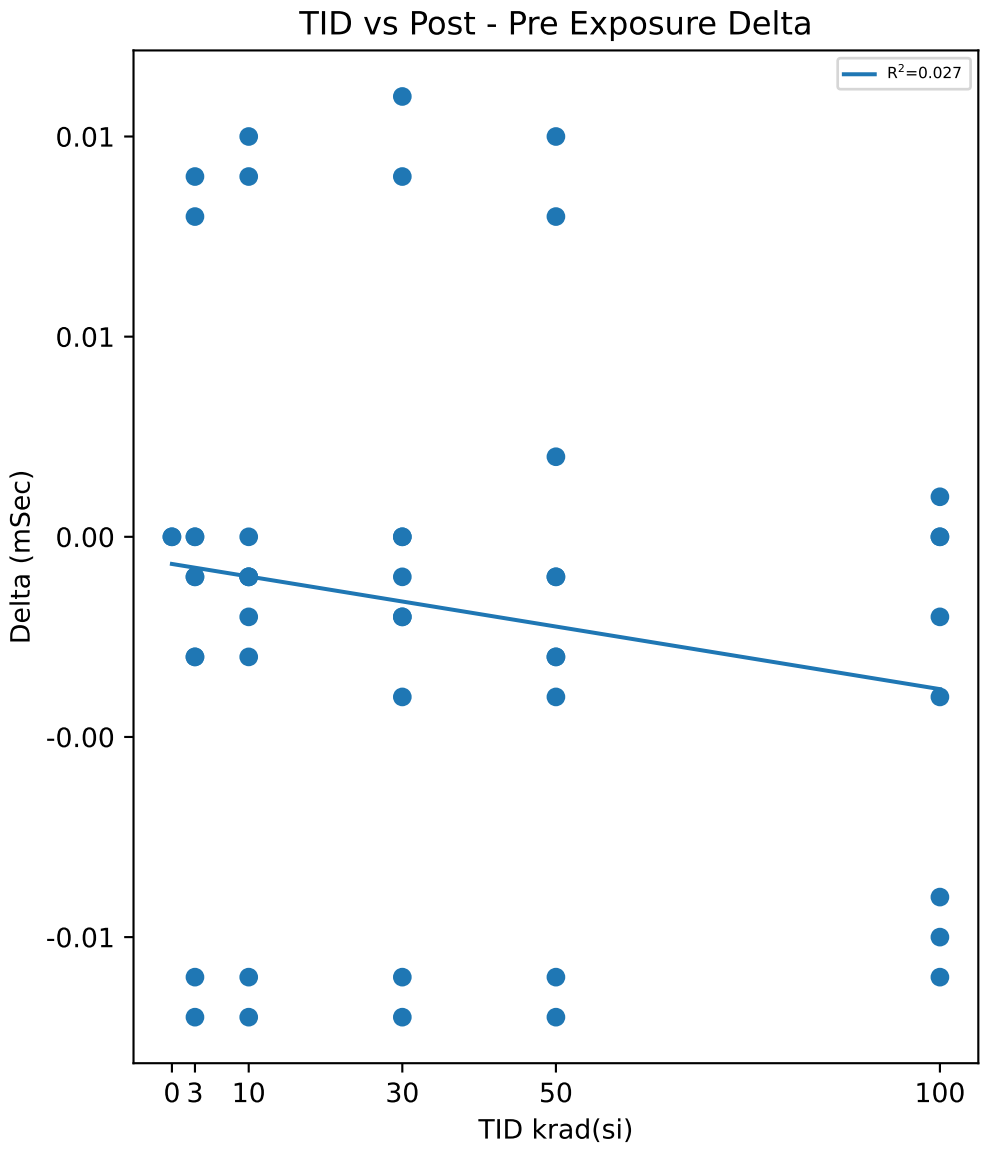
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.273 | 0.273 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 18 | 3 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 19 | 3 | LDR-Biased | 0.269 | 0.264 | -0.005 |
| 20 | 3 | LDR-Biased | 0.273 | 0.267 | -0.006 |
| 21 | 3 | LDR-Biased | 0.264 | 0.264 | 0 |
| 22 | 3 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 23 | 3 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 49 | 10 | LDR-Biased | 0.269 | 0.264 | -0.005 |
| 50 | 10 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 51 | 10 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.265 | 0.273 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.269 | 0.267 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 79 | 30 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 80 | 30 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 81 | 30 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 83 | 30 | LDR-Unbiased | 0.269 | 0.268 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 87 | 100 | LDR-Biased | 0.263 | 0.264 | 0.001 |
| 88 | 100 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 90 | 100 | LDR-Biased | 0.275 | 0.275 | 0 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.265 | -0.001 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 94 | 100 | LDR-Unbiased | 0.279 | 0.266 | -0.013 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 109 | 50 | LDR-Biased | 0.269 | 0.264 | -0.005 |
| 110 | 50 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 111 | 50 | LDR-Biased | 0.264 | 0.266 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 113 | 50 | LDR-Unbiased | 0.269 | 0.268 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2695 | 0.273 | 0.0049497 | 0.266 | 0.2695 | 0.273 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2701 | 0.277 | 0.0050211 | 0.264 | 0.2691 | 0.276 | 0.0050211 | -0.009 | -0.001 | 0.011 | 0.006532 |
| 10 | 0.264 | 0.2701 | 0.277 | 0.0050211 | 0.264 | 0.2691 | 0.276 | 0.0048637 | -0.009 | -0.001 | 0.011 | 0.0063596 |
| 30 | 0.264 | 0.2701 | 0.277 | 0.0050211 | 0.265 | 0.2696 | 0.276 | 0.004971 | -0.009 | -0.0005 | 0.011 | 0.006587 |
| 50 | 0.264 | 0.2701 | 0.277 | 0.0050211 | 0.263 | 0.2691 | 0.275 | 0.0048637 | -0.009 | -0.001 | 0.01 | 0.0066165 |
| 100 | 0.263 | 0.27188 | 0.279 | 0.006424 | 0.264 | 0.26738 | 0.275 | 0.0047491 | -0.013 | -0.0045 | 0.001 | 0.0057817 |

# Device Test: 5.52 tdly_Res10p5K_SEQ_SU/SEQ_DONE/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



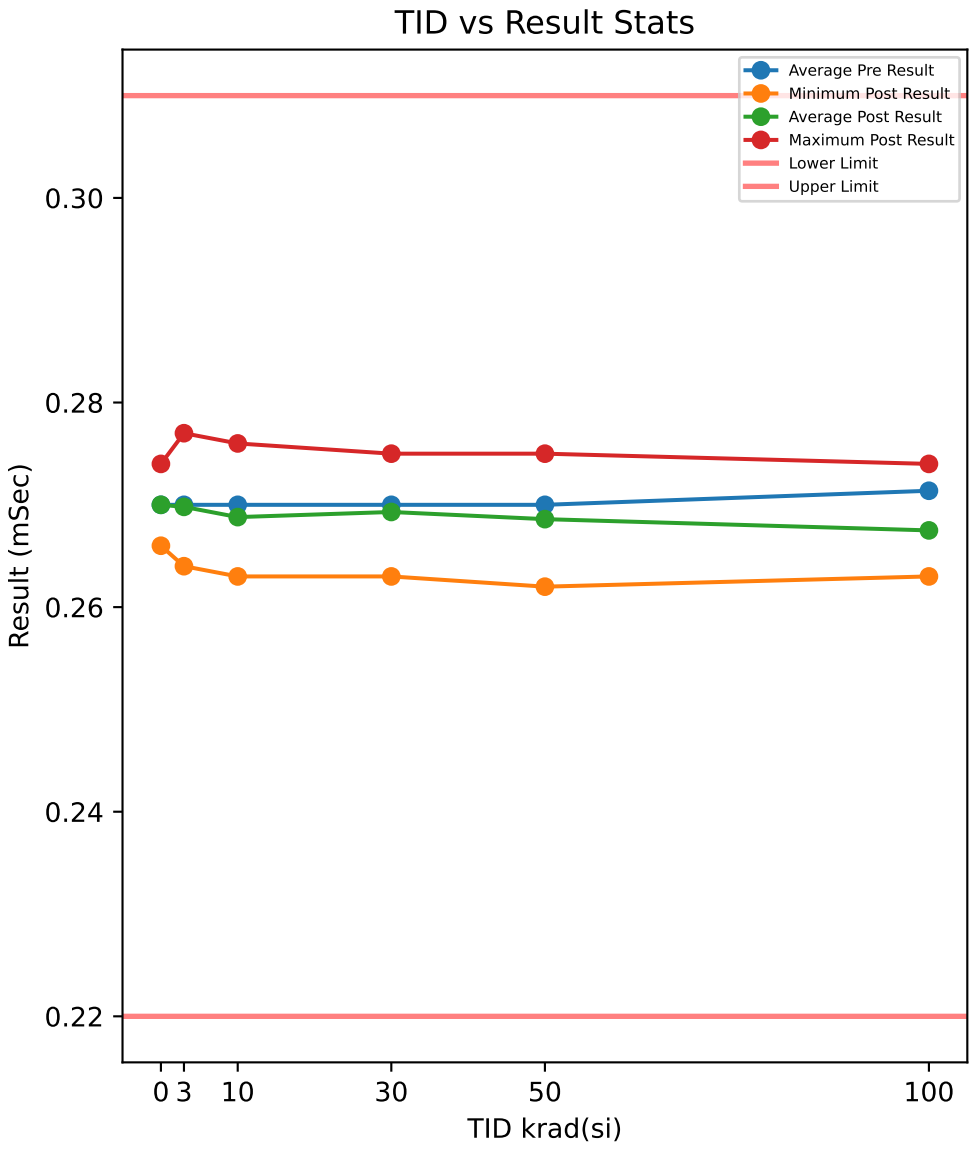

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

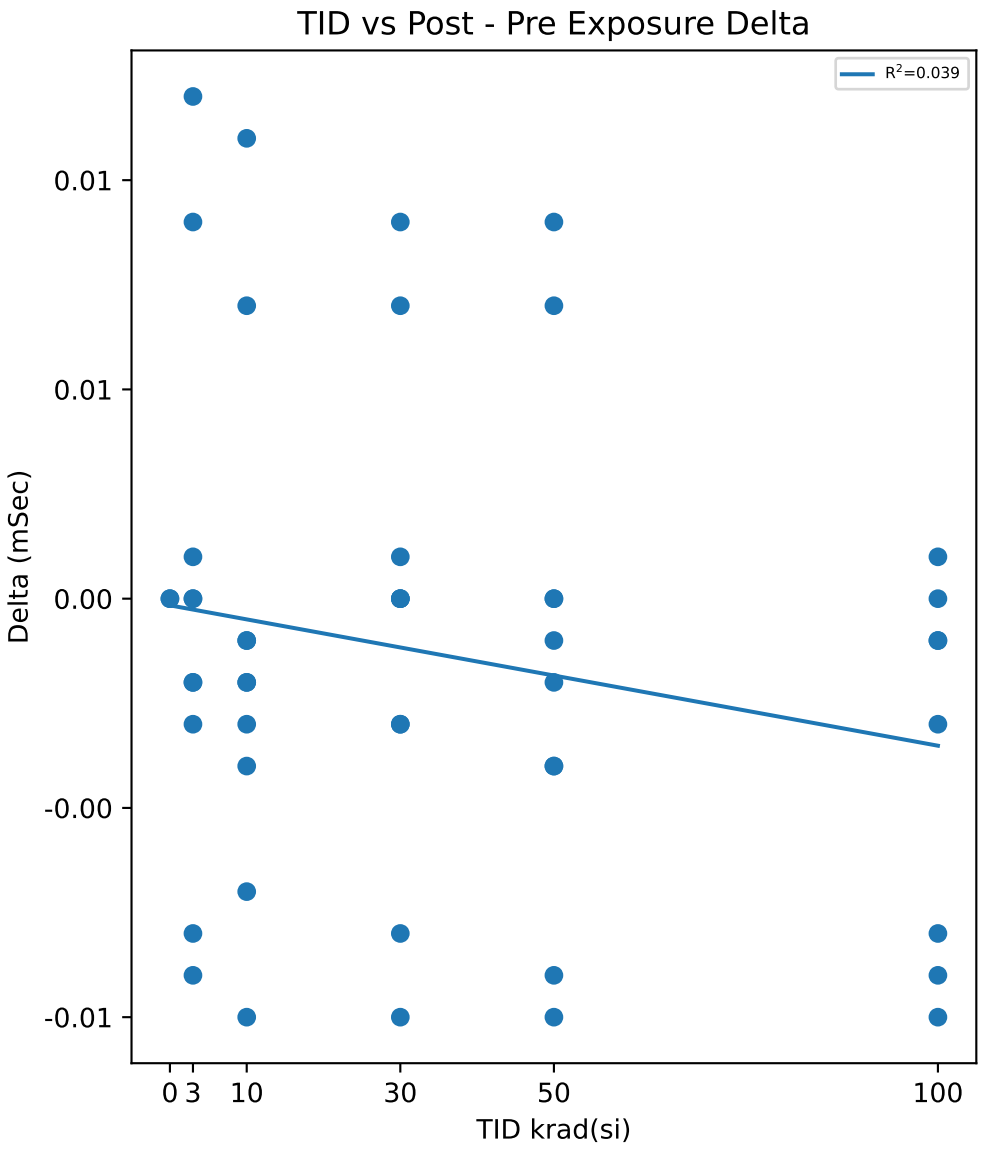
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.267 | 0.267 | 0 |
| 16 | 3 | LDR-Biased | 0.28 | 0.269 | -0.011 |
| 18 | 3 | LDR-Biased | 0.276 | 0.276 | 0 |
| 19 | 3 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 20 | 3 | LDR-Biased | 0.277 | 0.265 | -0.012 |
| 21 | 3 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.268 | 0 |
| 25 | 3 | LDR-Unbiased | 0.268 | 0.265 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.276 | -0.001 |
| 46 | 10 | LDR-Biased | 0.28 | 0.268 | -0.012 |
| 48 | 10 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 49 | 10 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 50 | 10 | LDR-Biased | 0.277 | 0.266 | -0.011 |
| 51 | 10 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.268 | 0 |
| 55 | 10 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |
| 76 | 30 | LDR-Biased | 0.28 | 0.268 | -0.012 |
| 78 | 30 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 79 | 30 | LDR-Biased | 0.269 | 0.268 | -0.001 |
| 80 | 30 | LDR-Biased | 0.277 | 0.266 | -0.011 |
| 81 | 30 | LDR-Biased | 0.266 | 0.266 | 0 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.268 | 0 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 87 | 100 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 88 | 100 | LDR-Biased | 0.279 | 0.275 | -0.004 |
| 90 | 100 | LDR-Biased | 0.276 | 0.276 | 0 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.266 | 0.266 | 0 |
| 94 | 100 | LDR-Unbiased | 0.278 | 0.267 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.267 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.277 | 0.267 | -0.01 |
| 106 | 50 | LDR-Biased | 0.28 | 0.268 | -0.012 |
| 108 | 50 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 109 | 50 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 110 | 50 | LDR-Biased | 0.277 | 0.266 | -0.011 |
| 111 | 50 | LDR-Biased | 0.266 | 0.268 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.268 | 0.264 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.267 | 0.2705 | 0.274 | 0.0049497 | 0.267 | 0.2705 | 0.274 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.266 | 0.2714 | 0.28 | 0.0054201 | 0.265 | 0.27 | 0.276 | 0.0049216 | -0.012 | -0.0014 | 0.009 | 0.0067528 |
| 10 | 0.266 | 0.2714 | 0.28 | 0.0054201 | 0.265 | 0.2702 | 0.276 | 0.0046619 | -0.012 | -0.0012 | 0.01 | 0.0070522 |
| 30 | 0.266 | 0.2714 | 0.28 | 0.0054201 | 0.264 | 0.2702 | 0.277 | 0.0047796 | -0.012 | -0.0012 | 0.011 | 0.0072847 |
| 50 | 0.266 | 0.2714 | 0.28 | 0.0054201 | 0.264 | 0.2699 | 0.276 | 0.004557 | -0.012 | -0.0015 | 0.01 | 0.0070435 |
| 100 | 0.265 | 0.273 | 0.279 | 0.005904 | 0.265 | 0.26863 | 0.276 | 0.0043074 | -0.011 | -0.004375 | 0.001 | 0.0049262 |

# Device Test: 5.53 tdly_Res10p5K_PWRGD_SU/PWRGD/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



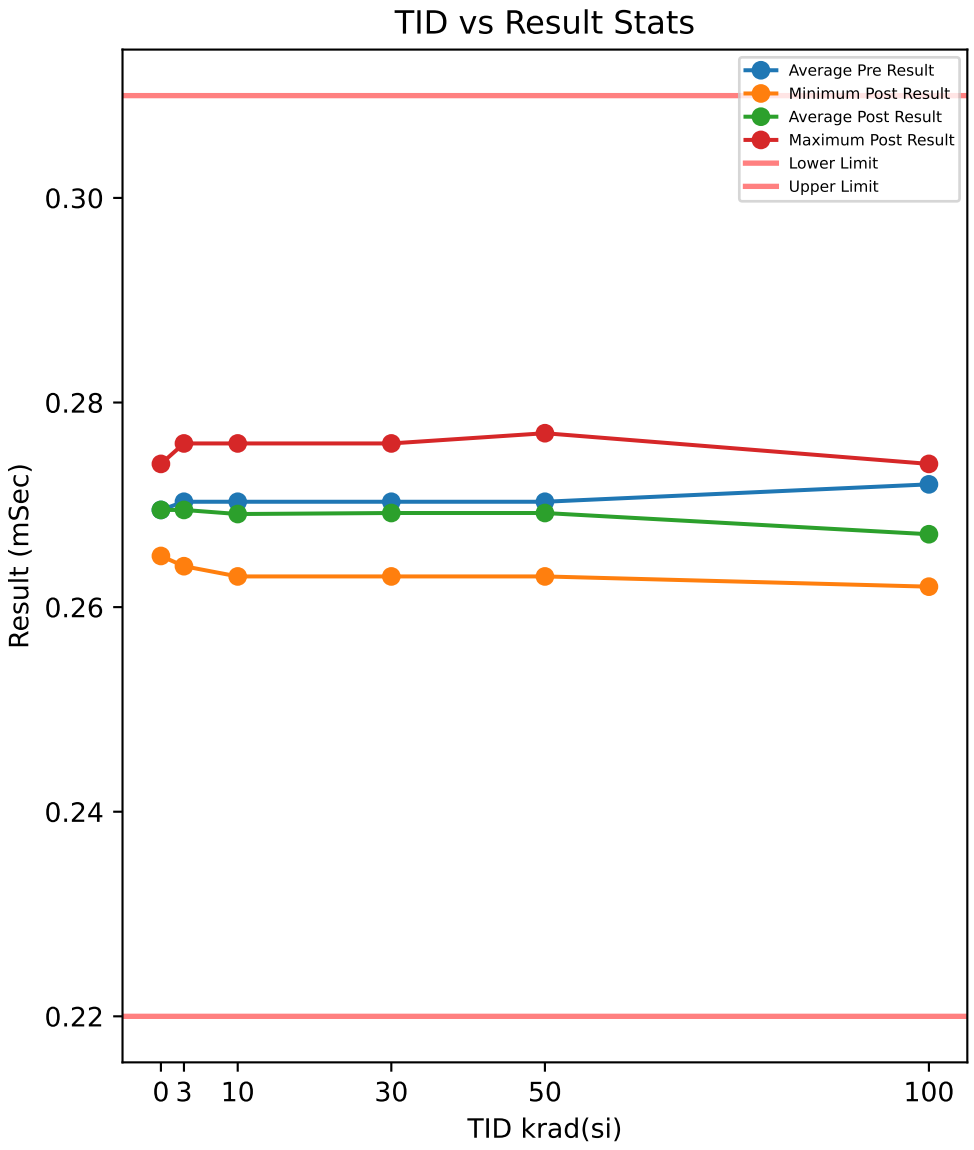

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

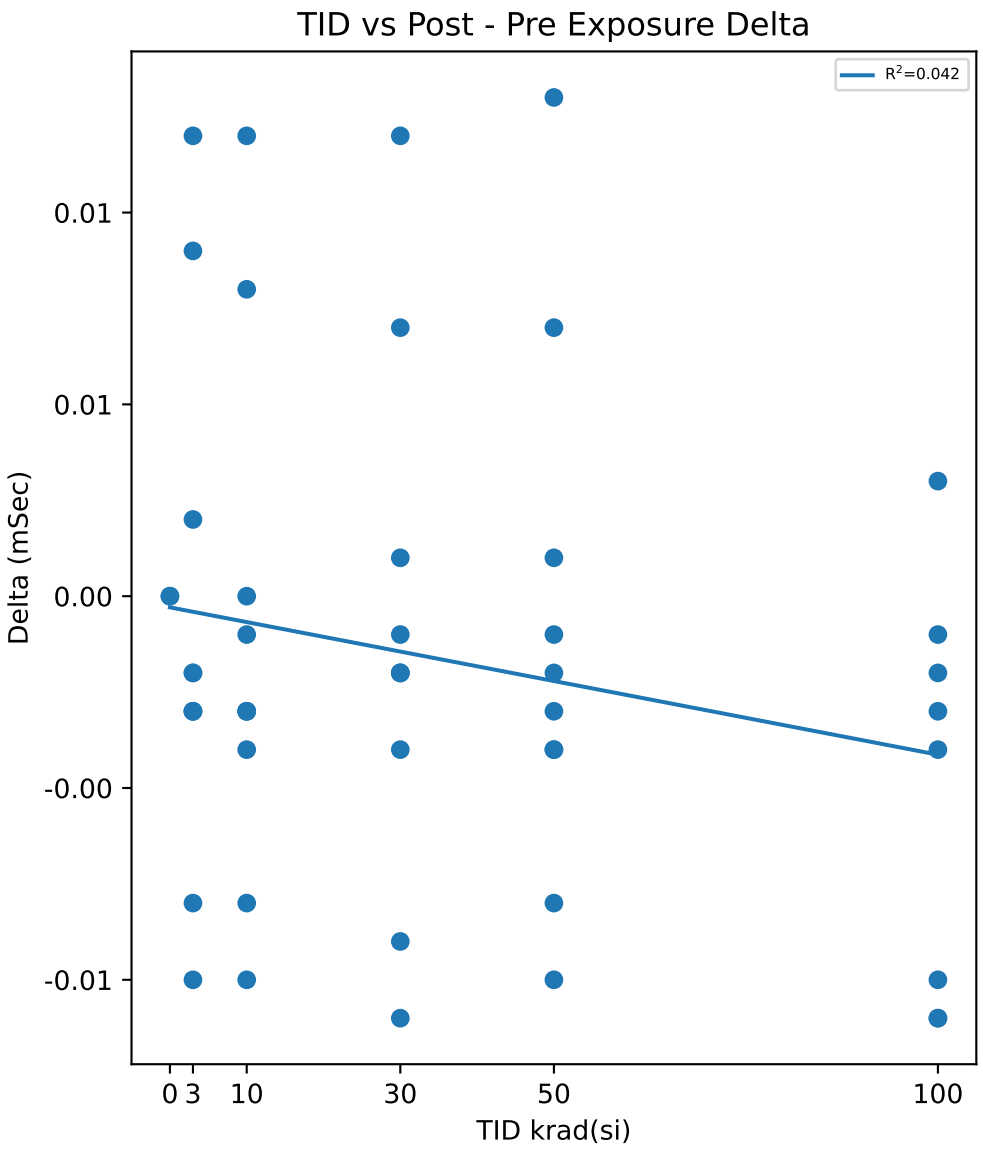
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 18 | 3 | LDR-Biased | 0.275 | 0.275 | 0 |
| 19 | 3 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 20 | 3 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 21 | 3 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.277 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.275 | 0.275 | 0 |
| 46 | 10 | LDR-Biased | 0.275 | 0.268 | -0.007 |
| 48 | 10 | LDR-Biased | 0.275 | 0.273 | -0.002 |
| 49 | 10 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 50 | 10 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 51 | 10 | LDR-Biased | 0.265 | 0.264 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.275 | 0.273 | -0.002 |
| 76 | 30 | LDR-Biased | 0.275 | 0.267 | -0.008 |
| 78 | 30 | LDR-Biased | 0.275 | 0.275 | 0 |
| 79 | 30 | LDR-Biased | 0.269 | 0.266 | -0.003 |
| 80 | 30 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 81 | 30 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.268 | 0 |
| 84 | 30 | LDR-Unbiased | 0.275 | 0.275 | 0 |
| 85 | 30 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 87 | 100 | LDR-Biased | 0.265 | 0.265 | 0 |
| 88 | 100 | LDR-Biased | 0.275 | 0.274 | -0.001 |
| 90 | 100 | LDR-Biased | 0.275 | 0.274 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.263 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.275 | 0.266 | -0.009 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.268 | -0.008 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 106 | 50 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 108 | 50 | LDR-Biased | 0.275 | 0.275 | 0 |
| 109 | 50 | LDR-Biased | 0.269 | 0.265 | -0.004 |
| 110 | 50 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 111 | 50 | LDR-Biased | 0.265 | 0.265 | 0 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.275 | 0.274 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.265 | 0.27 | 0.275 | 0.0044721 | 0.264 | 0.2698 | 0.277 | 0.0052026 | -0.009 | -0.0002 | 0.012 | 0.0065625 |
| 10 | 0.265 | 0.27 | 0.275 | 0.0044721 | 0.263 | 0.2688 | 0.276 | 0.0047563 | -0.01 | -0.0012 | 0.011 | 0.0061427 |
| 30 | 0.265 | 0.27 | 0.275 | 0.0044721 | 0.263 | 0.2693 | 0.275 | 0.0046679 | -0.01 | -0.0007 | 0.009 | 0.0058509 |
| 50 | 0.265 | 0.27 | 0.275 | 0.0044721 | 0.262 | 0.2686 | 0.275 | 0.0049933 | -0.01 | -0.0014 | 0.009 | 0.0060406 |
| 100 | 0.264 | 0.27138 | 0.276 | 0.0053168 | 0.263 | 0.2675 | 0.274 | 0.0042426 | -0.01 | -0.003875 | 0.001 | 0.0044219 |

# Device Test: 5.54 tdly_Res10p5K_EN1_SD/EN1/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



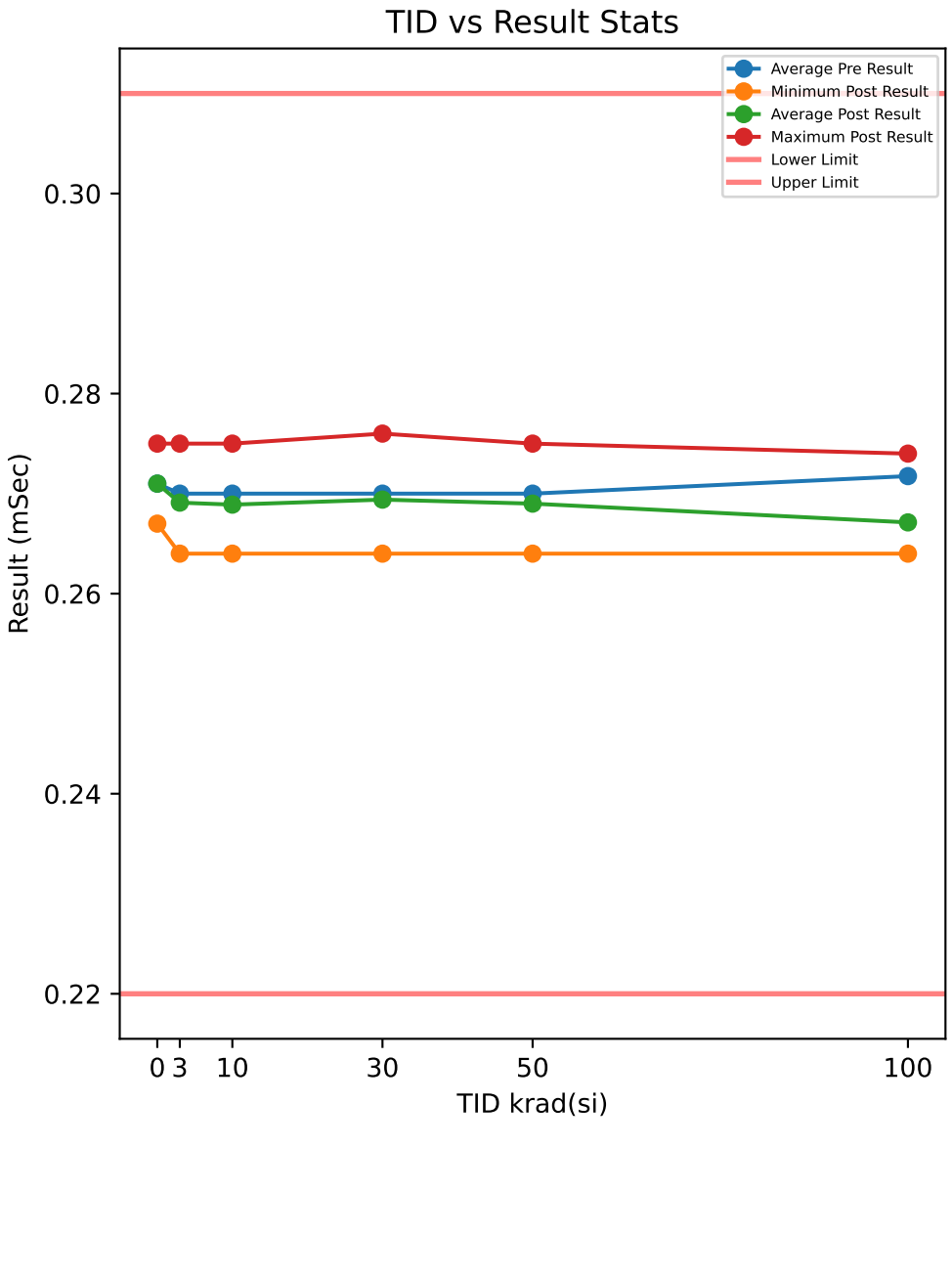

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

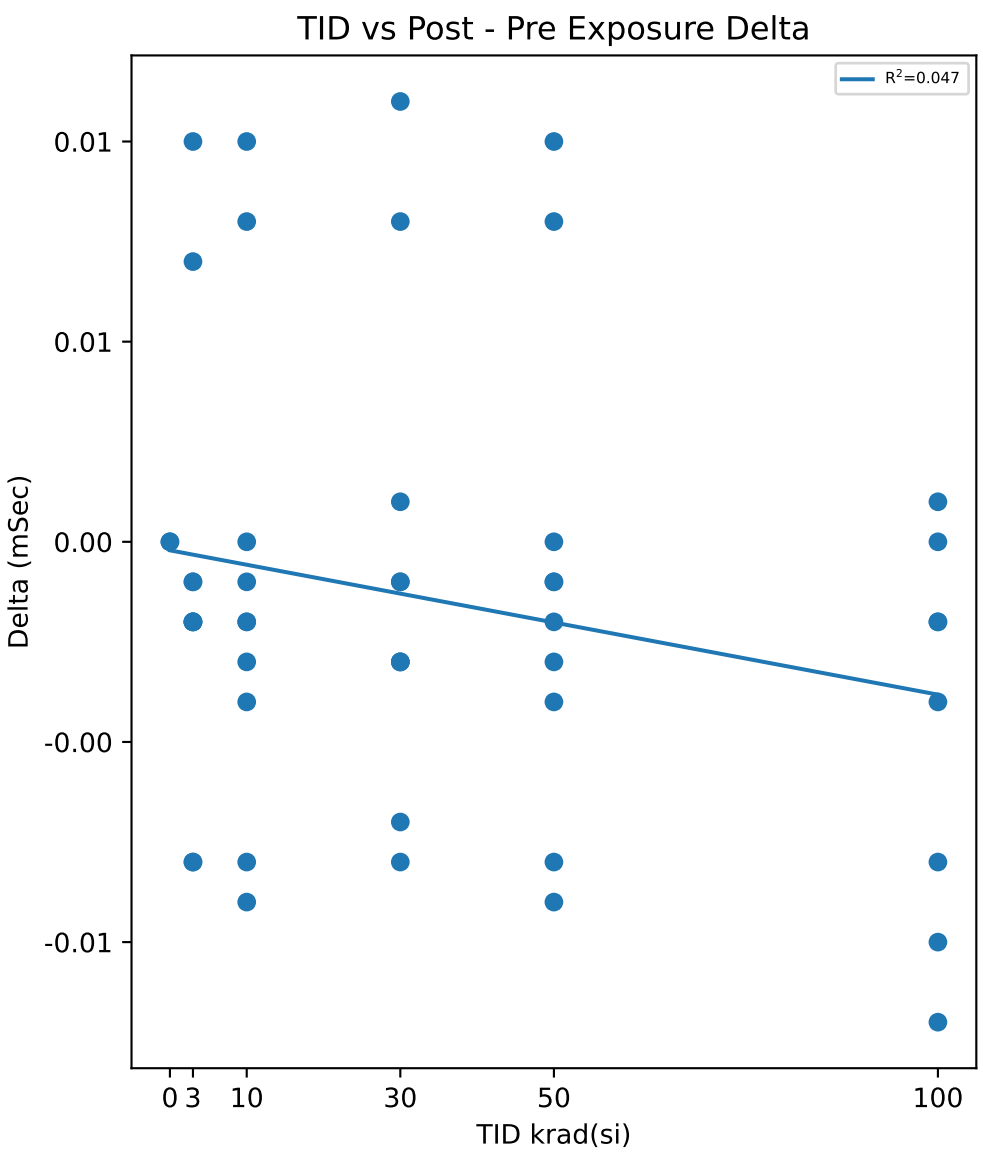
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.265 | 0.265 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 18 | 3 | LDR-Biased | 0.274 | 0.276 | 0.002 |
| 19 | 3 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 20 | 3 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 21 | 3 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.276 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.264 | 0.276 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.274 | 0.274 | 0 |
| 49 | 10 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 50 | 10 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 51 | 10 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.264 | 0.276 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 76 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 78 | 30 | LDR-Biased | 0.274 | 0.275 | 0.001 |
| 79 | 30 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 80 | 30 | LDR-Biased | 0.275 | 0.264 | -0.011 |
| 81 | 30 | LDR-Biased | 0.266 | 0.265 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.269 | 0.267 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.264 | 0.276 | 0.012 |
| 87 | 100 | LDR-Biased | 0.263 | 0.266 | 0.003 |
| 88 | 100 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 90 | 100 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.262 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.277 | 0.266 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 106 | 50 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 108 | 50 | LDR-Biased | 0.274 | 0.273 | -0.001 |
| 109 | 50 | LDR-Biased | 0.268 | 0.264 | -0.004 |
| 110 | 50 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 111 | 50 | LDR-Biased | 0.266 | 0.267 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.263 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.264 | 0.277 | 0.013 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.275 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0.265 | 0.2695 | 0.274 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2703 | 0.277 | 0.0047152 | 0.264 | 0.2695 | 0.276 | 0.0052967 | -0.01 | -0.0008 | 0.012 | 0.0068443 |
| 10 | 0.264 | 0.2703 | 0.277 | 0.0047152 | 0.263 | 0.2691 | 0.276 | 0.0050431 | -0.01 | -0.0012 | 0.012 | 0.00668 |
| 30 | 0.264 | 0.2703 | 0.277 | 0.0047152 | 0.263 | 0.2692 | 0.276 | 0.0051597 | -0.011 | -0.0011 | 0.012 | 0.0067733 |
| 50 | 0.264 | 0.2703 | 0.277 | 0.0047152 | 0.263 | 0.2692 | 0.277 | 0.0050728 | -0.01 | -0.0011 | 0.013 | 0.006806 |
| 100 | 0.263 | 0.272 | 0.277 | 0.0061412 | 0.262 | 0.26713 | 0.274 | 0.0044541 | -0.011 | -0.004875 | 0.003 | 0.0052219 |

# Device Test: 5.55 tdly_Res10p5K_EN2_SD/EN2/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



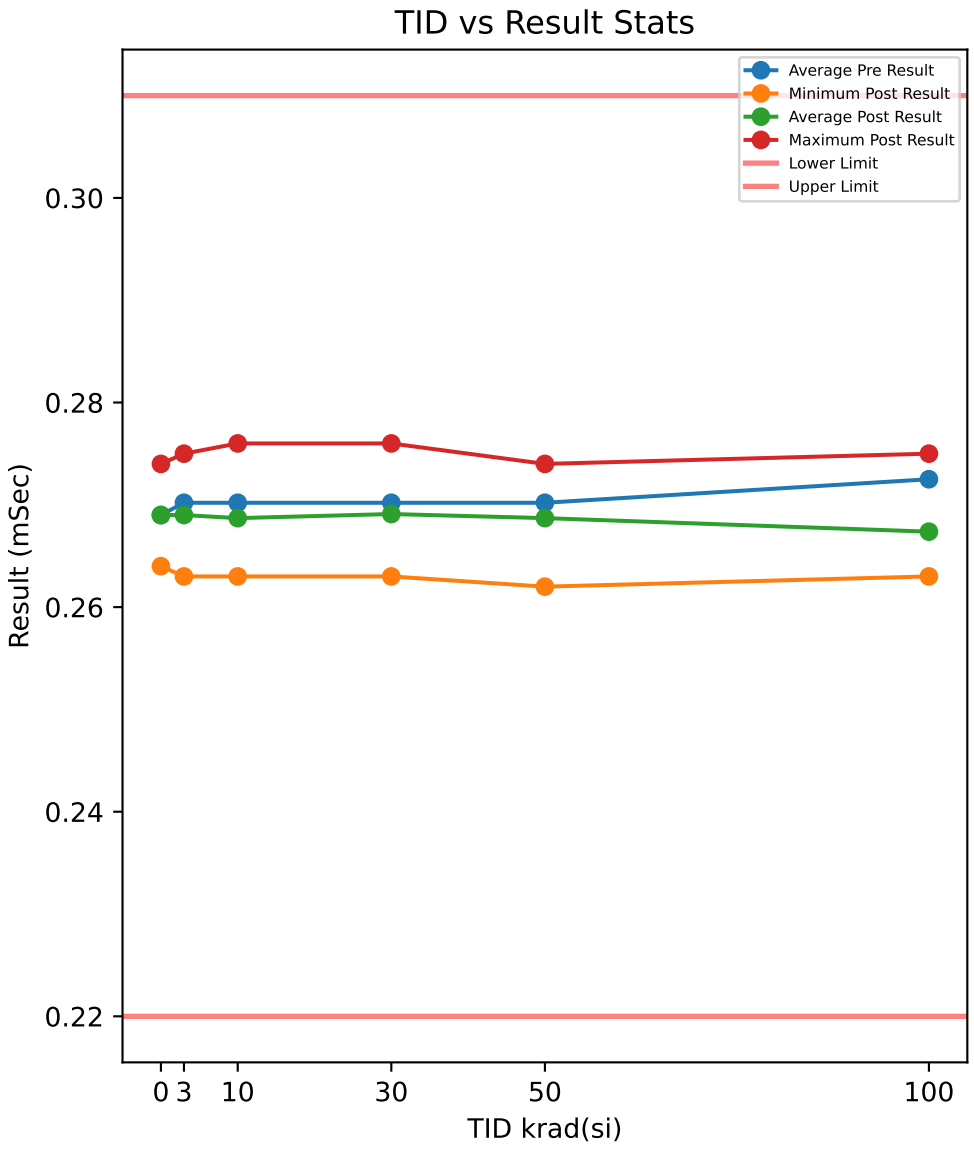

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

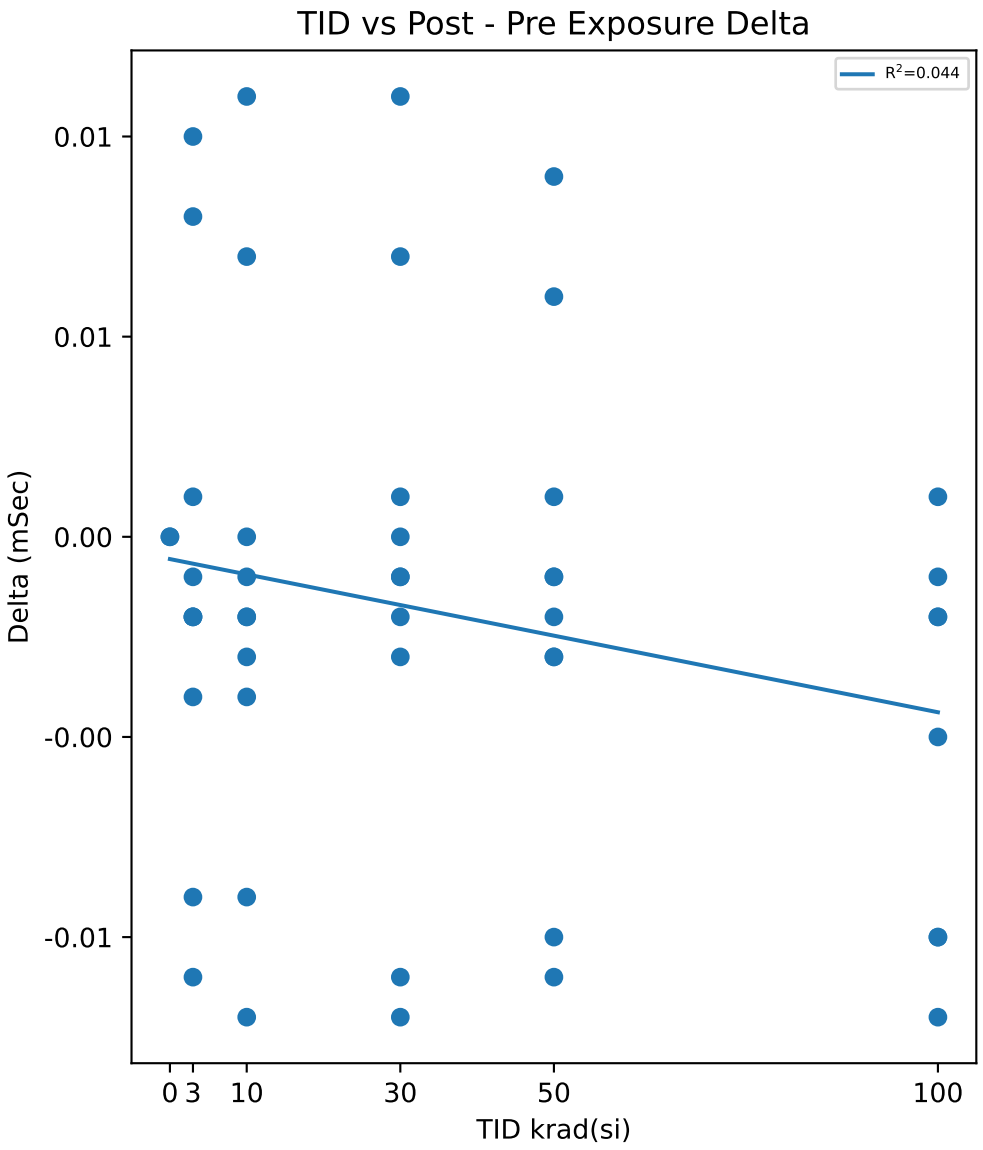
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.275 | 0.275 | 0 |
| 7 | 0 | Correlation | 0.267 | 0.267 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 18 | 3 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 19 | 3 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 20 | 3 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 21 | 3 | LDR-Biased | 0.266 | 0.264 | -0.002 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 46 | 10 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 48 | 10 | LDR-Biased | 0.276 | 0.273 | -0.003 |
| 49 | 10 | LDR-Biased | 0.268 | 0.264 | -0.004 |
| 50 | 10 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 51 | 10 | LDR-Biased | 0.266 | 0.266 | 0 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.274 | -0.002 |
| 76 | 30 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 78 | 30 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 79 | 30 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 80 | 30 | LDR-Biased | 0.273 | 0.266 | -0.007 |
| 81 | 30 | LDR-Biased | 0.266 | 0.267 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.265 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.273 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 87 | 100 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 88 | 100 | LDR-Biased | 0.277 | 0.273 | -0.004 |
| 90 | 100 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.266 | 0.264 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 94 | 100 | LDR-Unbiased | 0.277 | 0.265 | -0.012 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.267 | -0.008 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.276 | 0.273 | -0.003 |
| 109 | 50 | LDR-Biased | 0.268 | 0.264 | -0.004 |
| 110 | 50 | LDR-Biased | 0.273 | 0.265 | -0.008 |
| 111 | 50 | LDR-Biased | 0.266 | 0.266 | 0 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.267 | 0.271 | 0.275 | 0.0056569 | 0.267 | 0.271 | 0.275 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.265 | 0.27 | 0.276 | 0.004714 | 0.264 | 0.2691 | 0.275 | 0.0047947 | -0.008 | -0.0009 | 0.01 | 0.005646 |
| 10 | 0.265 | 0.27 | 0.276 | 0.004714 | 0.264 | 0.2689 | 0.275 | 0.0047246 | -0.009 | -0.0011 | 0.01 | 0.0060636 |
| 30 | 0.265 | 0.27 | 0.276 | 0.004714 | 0.264 | 0.2694 | 0.276 | 0.0047889 | -0.008 | -0.0006 | 0.011 | 0.0060037 |
| 50 | 0.265 | 0.27 | 0.276 | 0.004714 | 0.264 | 0.269 | 0.275 | 0.0048534 | -0.009 | -0.001 | 0.01 | 0.0060553 |
| 100 | 0.264 | 0.27175 | 0.277 | 0.0059462 | 0.264 | 0.26713 | 0.274 | 0.004051 | -0.012 | -0.004625 | 0.001 | 0.0048088 |

# Device Test: 5.56 tdly_Res10p5K_EN3_SD/EN3/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



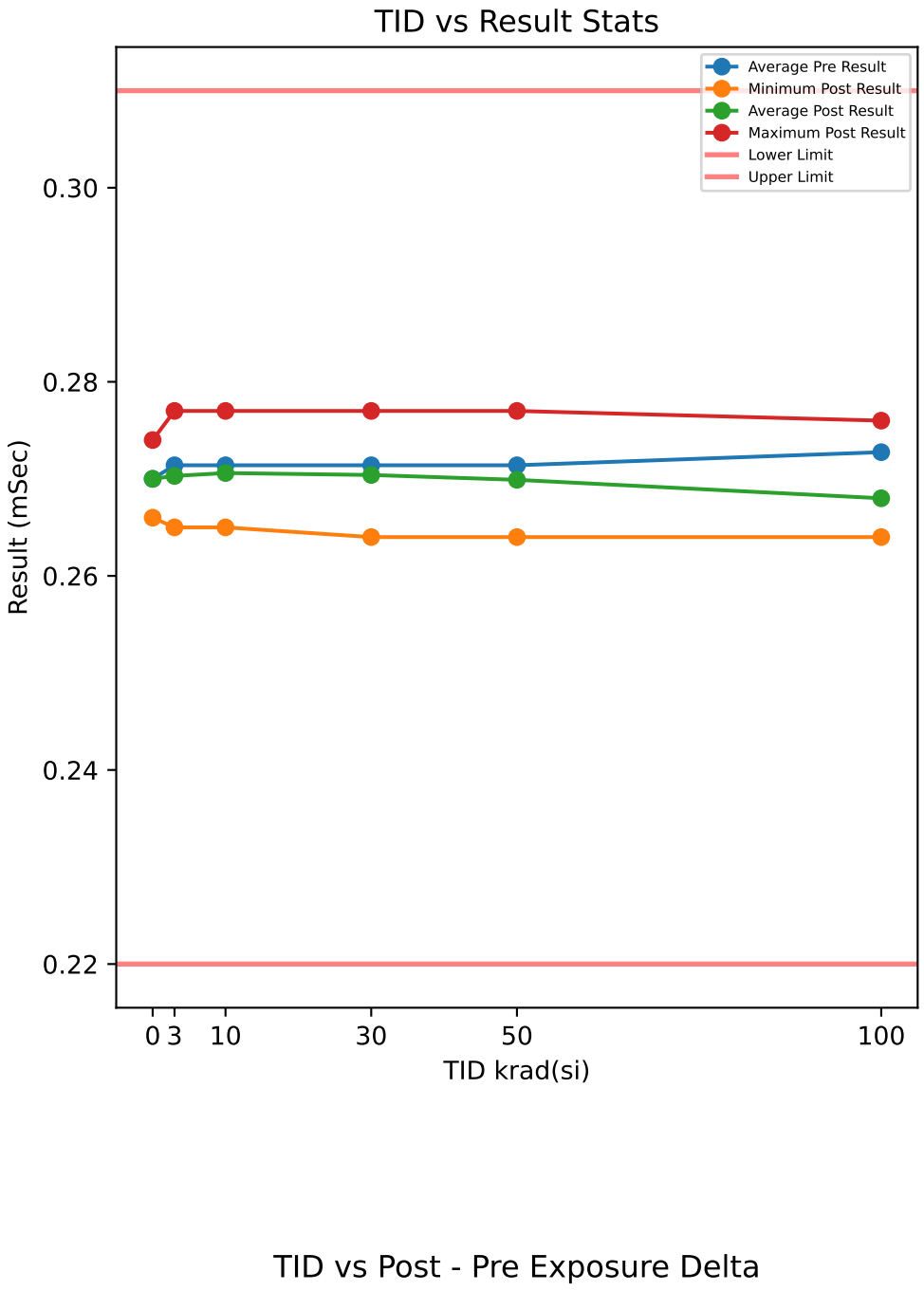

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

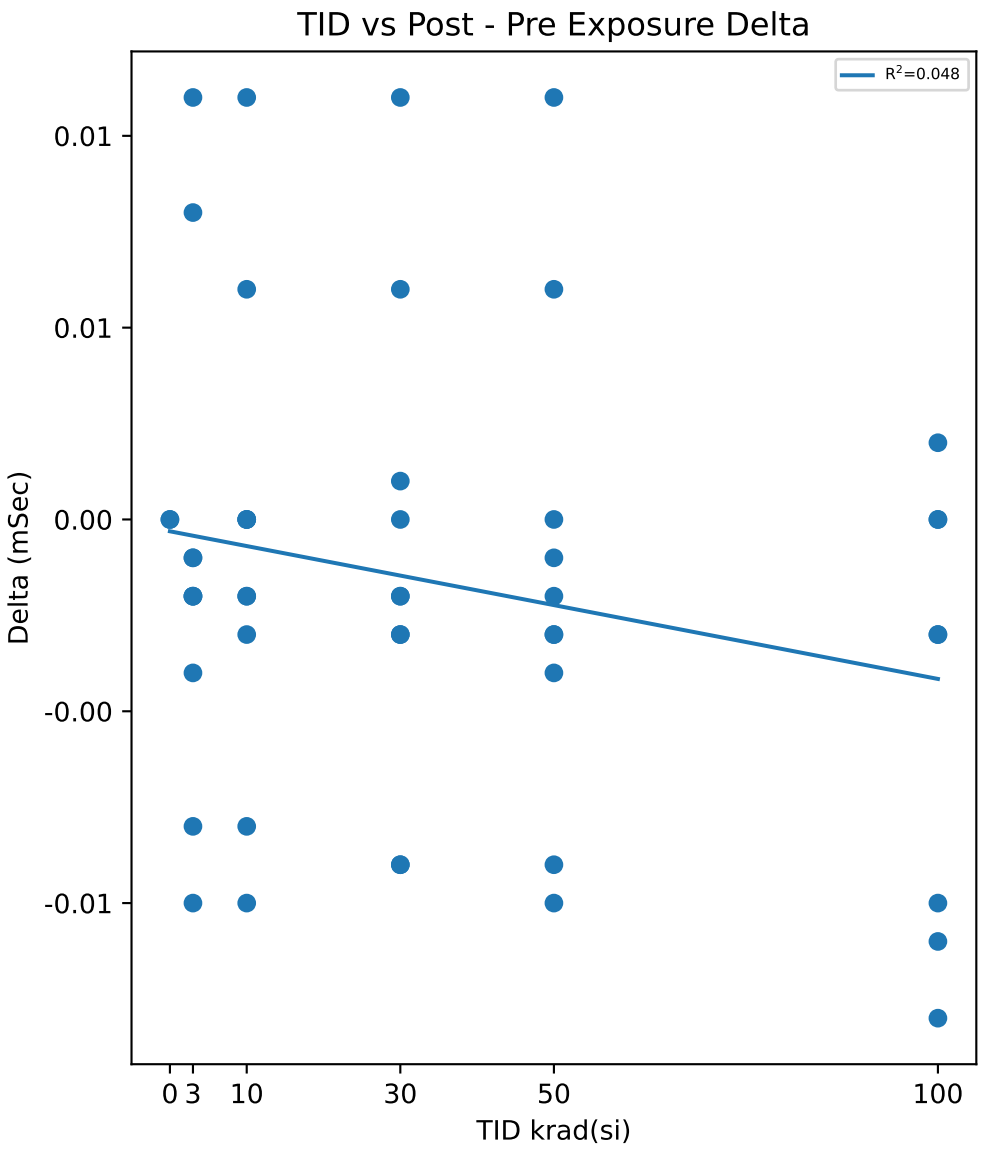
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.264 | 0.264 | 0 |
| 16 | 3 | LDR-Biased | 0.279 | 0.268 | -0.011 |
| 18 | 3 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 19 | 3 | LDR-Biased | 0.267 | 0.265 | -0.002 |
| 20 | 3 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 21 | 3 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.267 | 0.275 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.265 | 0.275 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.277 | 0.273 | -0.004 |
| 46 | 10 | LDR-Biased | 0.279 | 0.267 | -0.012 |
| 48 | 10 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 49 | 10 | LDR-Biased | 0.267 | 0.264 | -0.003 |
| 50 | 10 | LDR-Biased | 0.275 | 0.266 | -0.009 |
| 51 | 10 | LDR-Biased | 0.264 | 0.264 | 0 |
| 52 | 10 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.277 | 0.273 | -0.004 |
| 76 | 30 | LDR-Biased | 0.279 | 0.267 | -0.012 |
| 78 | 30 | LDR-Biased | 0.276 | 0.275 | -0.001 |
| 79 | 30 | LDR-Biased | 0.267 | 0.266 | -0.001 |
| 80 | 30 | LDR-Biased | 0.275 | 0.264 | -0.011 |
| 81 | 30 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.267 | 0.274 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.267 | 0.267 | 0 |
| 84 | 30 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.265 | 0.276 | 0.011 |
| 87 | 100 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 88 | 100 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 90 | 100 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.268 | 0.263 | -0.005 |
| 93 | 100 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.277 | 0.265 | -0.012 |
| 106 | 50 | LDR-Biased | 0.279 | 0.268 | -0.011 |
| 108 | 50 | LDR-Biased | 0.276 | 0.274 | -0.002 |
| 109 | 50 | LDR-Biased | 0.267 | 0.266 | -0.001 |
| 110 | 50 | LDR-Biased | 0.275 | 0.265 | -0.01 |
| 111 | 50 | LDR-Biased | 0.264 | 0.265 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.267 | 0.273 | 0.006 |
| 113 | 50 | LDR-Unbiased | 0.267 | 0.266 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.265 | 0.274 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.277 | 0.274 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.264 | 0.269 | 0.274 | 0.0070711 | 0.264 | 0.269 | 0.274 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.264 | 0.2702 | 0.279 | 0.005808 | 0.263 | 0.269 | 0.275 | 0.004714 | -0.011 | -0.0012 | 0.01 | 0.0065115 |
| 10 | 0.264 | 0.2702 | 0.279 | 0.005808 | 0.263 | 0.2687 | 0.276 | 0.0049677 | -0.012 | -0.0015 | 0.011 | 0.0067206 |
| 30 | 0.264 | 0.2702 | 0.279 | 0.005808 | 0.263 | 0.2691 | 0.276 | 0.0050431 | -0.012 | -0.0011 | 0.011 | 0.0069833 |
| 50 | 0.264 | 0.2702 | 0.279 | 0.005808 | 0.262 | 0.2687 | 0.274 | 0.0045959 | -0.011 | -0.0015 | 0.009 | 0.0061509 |
| 100 | 0.265 | 0.2725 | 0.277 | 0.0055032 | 0.263 | 0.26738 | 0.275 | 0.0048088 | -0.012 | -0.005125 | 0.001 | 0.0049117 |

# Device Test: 5.57 tdly_Res10p5K_EN4_SD/EN4/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



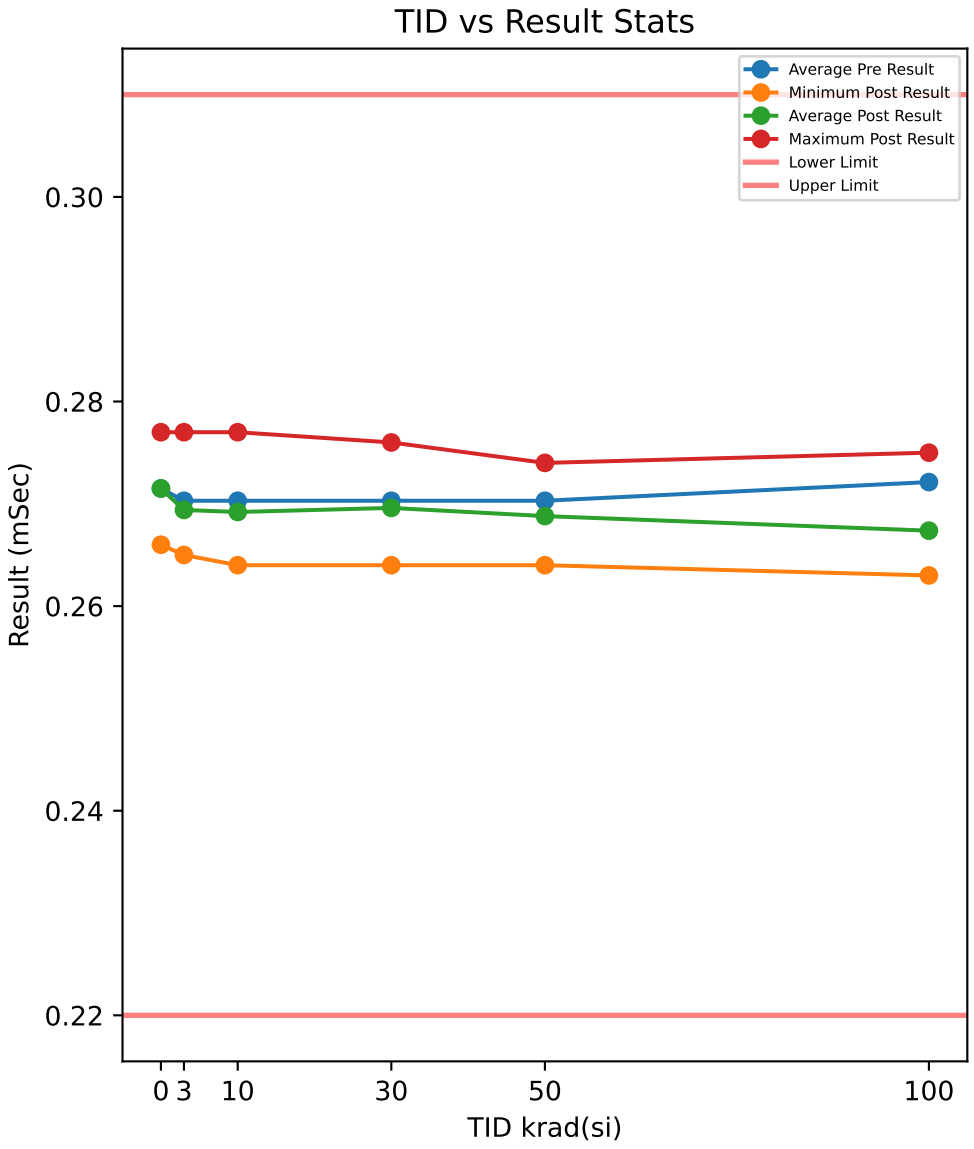

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

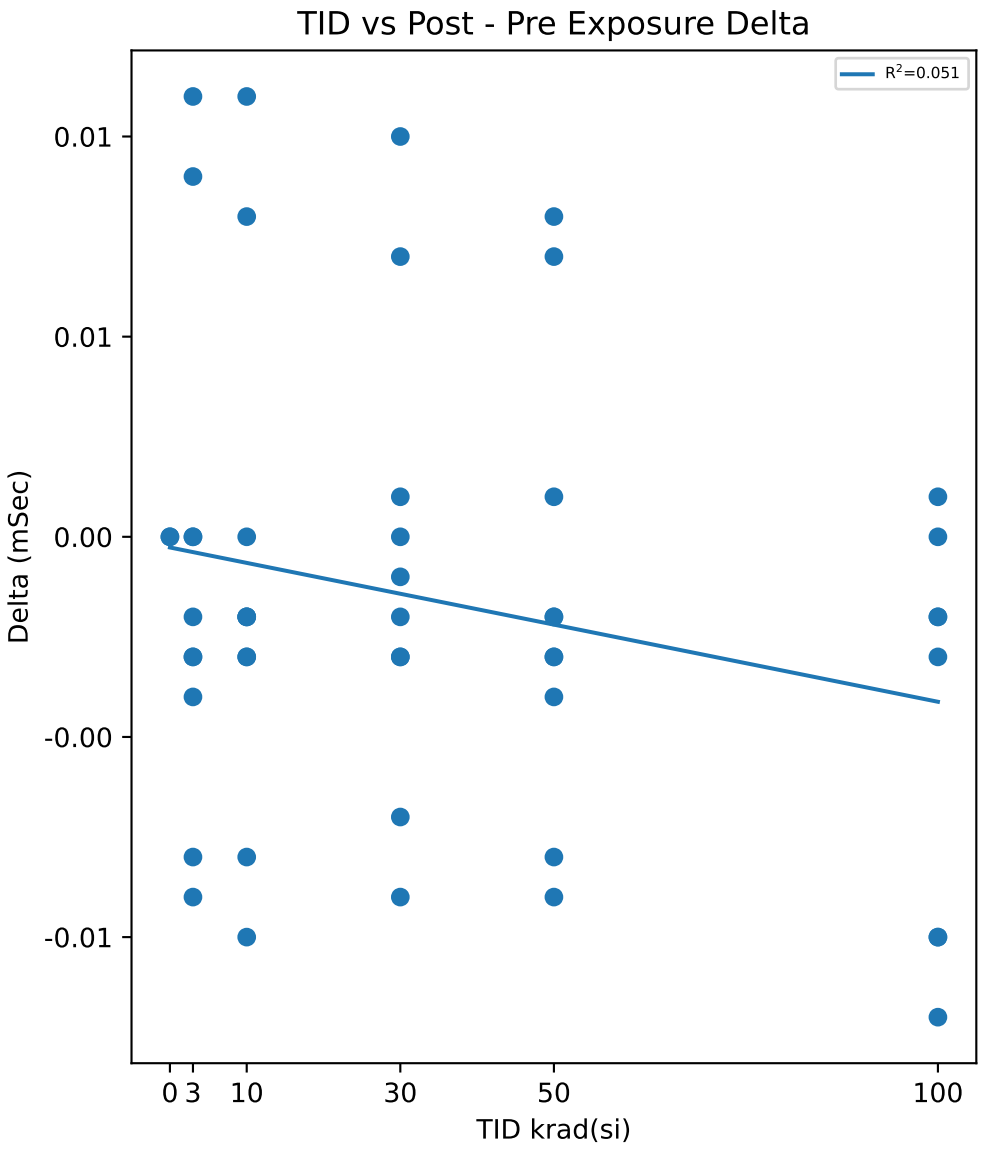
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.274 | 0.274 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.277 | 0.269 | -0.008 |
| 18 | 3 | LDR-Biased | 0.278 | 0.276 | -0.002 |
| 19 | 3 | LDR-Biased | 0.27 | 0.266 | -0.004 |
| 20 | 3 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 21 | 3 | LDR-Biased | 0.267 | 0.265 | -0.002 |
| 22 | 3 | LDR-Unbiased | 0.269 | 0.277 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.268 | 0.267 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |
| 46 | 10 | LDR-Biased | 0.277 | 0.269 | -0.008 |
| 48 | 10 | LDR-Biased | 0.278 | 0.276 | -0.002 |
| 49 | 10 | LDR-Biased | 0.27 | 0.267 | -0.003 |
| 50 | 10 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 51 | 10 | LDR-Biased | 0.267 | 0.267 | 0 |
| 52 | 10 | LDR-Unbiased | 0.269 | 0.275 | 0.006 |
| 53 | 10 | LDR-Unbiased | 0.268 | 0.268 | 0 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.276 | 0.276 | 0 |
| 76 | 30 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 78 | 30 | LDR-Biased | 0.278 | 0.276 | -0.002 |
| 79 | 30 | LDR-Biased | 0.27 | 0.267 | -0.003 |
| 80 | 30 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 81 | 30 | LDR-Biased | 0.267 | 0.268 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.269 | 0.275 | 0.006 |
| 83 | 30 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.276 | 0.276 | 0 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 87 | 100 | LDR-Biased | 0.266 | 0.268 | 0.002 |
| 88 | 100 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 90 | 100 | LDR-Biased | 0.276 | 0.276 | 0 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.266 | 0.266 | 0 |
| 94 | 100 | LDR-Unbiased | 0.278 | 0.265 | -0.013 |
| 95 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.276 | 0.265 | -0.011 |
| 106 | 50 | LDR-Biased | 0.277 | 0.268 | -0.009 |
| 108 | 50 | LDR-Biased | 0.278 | 0.275 | -0.003 |
| 109 | 50 | LDR-Biased | 0.27 | 0.266 | -0.004 |
| 110 | 50 | LDR-Biased | 0.276 | 0.266 | -0.01 |
| 111 | 50 | LDR-Biased | 0.267 | 0.267 | 0 |
| 112 | 50 | LDR-Unbiased | 0.269 | 0.275 | 0.006 |
| 113 | 50 | LDR-Unbiased | 0.268 | 0.266 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.276 | 0.275 | -0.001 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0.266 | 0.27 | 0.274 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.266 | 0.2714 | 0.278 | 0.0047656 | 0.265 | 0.2703 | 0.277 | 0.0052715 | -0.01 | -0.0011 | 0.011 | 0.0063849 |
| 10 | 0.266 | 0.2714 | 0.278 | 0.0047656 | 0.265 | 0.2706 | 0.277 | 0.0047889 | -0.01 | -0.0008 | 0.011 | 0.00607 |
| 30 | 0.266 | 0.2714 | 0.278 | 0.0047656 | 0.264 | 0.2704 | 0.277 | 0.004971 | -0.009 | -0.001 | 0.011 | 0.0061101 |
| 50 | 0.266 | 0.2714 | 0.278 | 0.0047656 | 0.264 | 0.2699 | 0.277 | 0.0049542 | -0.01 | -0.0015 | 0.011 | 0.0062761 |
| 100 | 0.266 | 0.27275 | 0.278 | 0.0053652 | 0.264 | 0.268 | 0.276 | 0.004504 | -0.013 | -0.00475 | 0.002 | 0.0057508 |

# Device Test: 5.58 tdly_Res10p5K_SEQ_SD/SEQ_DONE/1.6/3/10.5K/0/0/@DLY_TMR_10KOHM



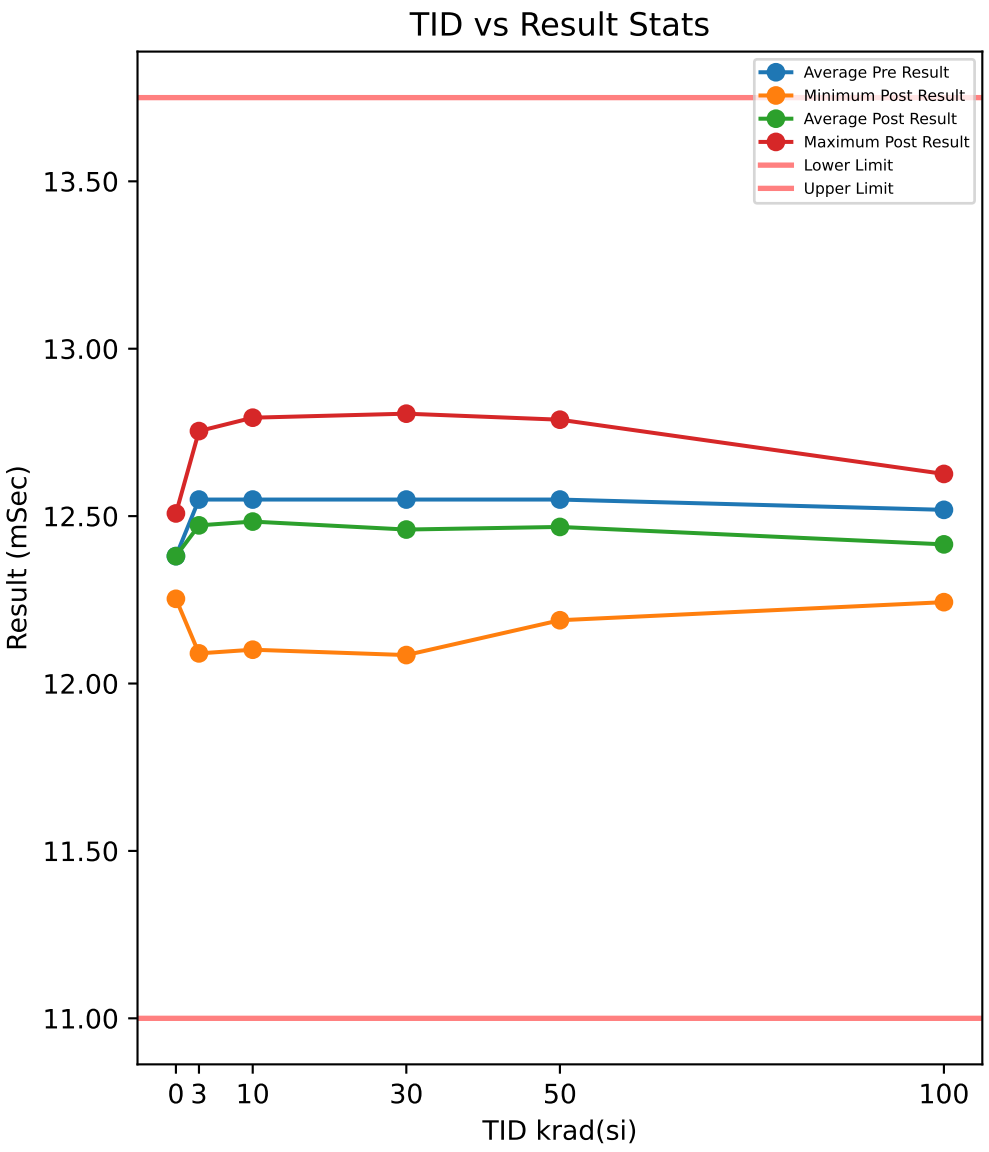

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

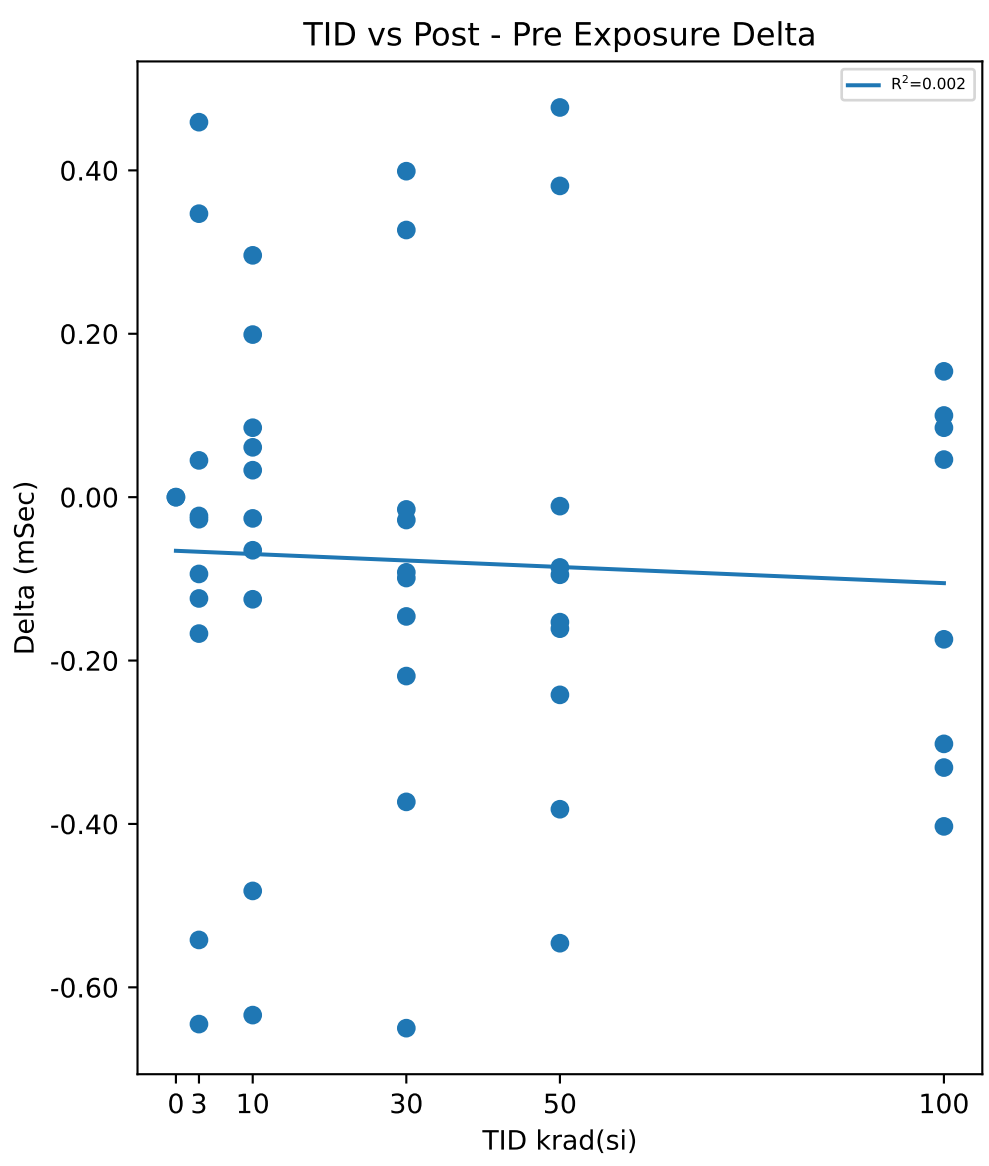
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.277 | 0.277 | 0 |
| 7 | 0 | Correlation | 0.266 | 0.266 | 0 |
| 16 | 3 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 18 | 3 | LDR-Biased | 0.277 | 0.273 | -0.004 |
| 19 | 3 | LDR-Biased | 0.268 | 0.265 | -0.003 |
| 20 | 3 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 21 | 3 | LDR-Biased | 0.265 | 0.265 | 0 |
| 22 | 3 | LDR-Unbiased | 0.266 | 0.275 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.275 | 0.275 | 0 |
| 46 | 10 | LDR-Biased | 0.276 | 0.268 | -0.008 |
| 48 | 10 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 49 | 10 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 50 | 10 | LDR-Biased | 0.274 | 0.264 | -0.01 |
| 51 | 10 | LDR-Biased | 0.265 | 0.265 | 0 |
| 52 | 10 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.266 | 0.277 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.275 | 0.273 | -0.002 |
| 76 | 30 | LDR-Biased | 0.276 | 0.269 | -0.007 |
| 78 | 30 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 79 | 30 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 80 | 30 | LDR-Biased | 0.274 | 0.265 | -0.009 |
| 81 | 30 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.266 | 0.273 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.269 | 0.268 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.275 | 0.275 | 0 |
| 85 | 30 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.266 | 0.276 | 0.01 |
| 87 | 100 | LDR-Biased | 0.266 | 0.266 | 0 |
| 88 | 100 | LDR-Biased | 0.277 | 0.275 | -0.002 |
| 90 | 100 | LDR-Biased | 0.277 | 0.274 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.267 | 0.265 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.264 | 0.265 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.276 | 0.266 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.275 | 0.265 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.275 | 0.263 | -0.012 |
| 106 | 50 | LDR-Biased | 0.276 | 0.267 | -0.009 |
| 108 | 50 | LDR-Biased | 0.277 | 0.273 | -0.004 |
| 109 | 50 | LDR-Biased | 0.268 | 0.266 | -0.002 |
| 110 | 50 | LDR-Biased | 0.274 | 0.266 | -0.008 |
| 111 | 50 | LDR-Biased | 0.265 | 0.266 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.266 | 0.273 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.269 | 0.266 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.267 | 0.264 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.266 | 0.274 | 0.008 |
| 117 | 50 | LDR-Unbiased | 0.275 | 0.273 | -0.002 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.266 | 0.2715 | 0.277 | 0.0077782 | 0.266 | 0.2715 | 0.277 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 0.265 | 0.2703 | 0.277 | 0.0046679 | 0.265 | 0.2694 | 0.277 | 0.0049486 | -0.009 | -0.0009 | 0.011 | 0.0064713 |
| 10 | 0.265 | 0.2703 | 0.277 | 0.0046679 | 0.264 | 0.2692 | 0.277 | 0.0047796 | -0.01 | -0.0011 | 0.011 | 0.0063849 |
| 30 | 0.265 | 0.2703 | 0.277 | 0.0046679 | 0.264 | 0.2696 | 0.276 | 0.0045019 | -0.009 | -0.0007 | 0.01 | 0.0057552 |
| 50 | 0.265 | 0.2703 | 0.277 | 0.0046679 | 0.264 | 0.2688 | 0.274 | 0.0039101 | -0.009 | -0.0015 | 0.008 | 0.0055628 |
| 100 | 0.264 | 0.27213 | 0.277 | 0.0054625 | 0.263 | 0.26738 | 0.275 | 0.004502 | -0.012 | -0.00475 | 0.001 | 0.005092 |

# Device Test: 5.59 tdly_Res619K_EN1_SU/EN1/1.6/3/619K/0/0/@DLY_TMR_500KOHM




Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

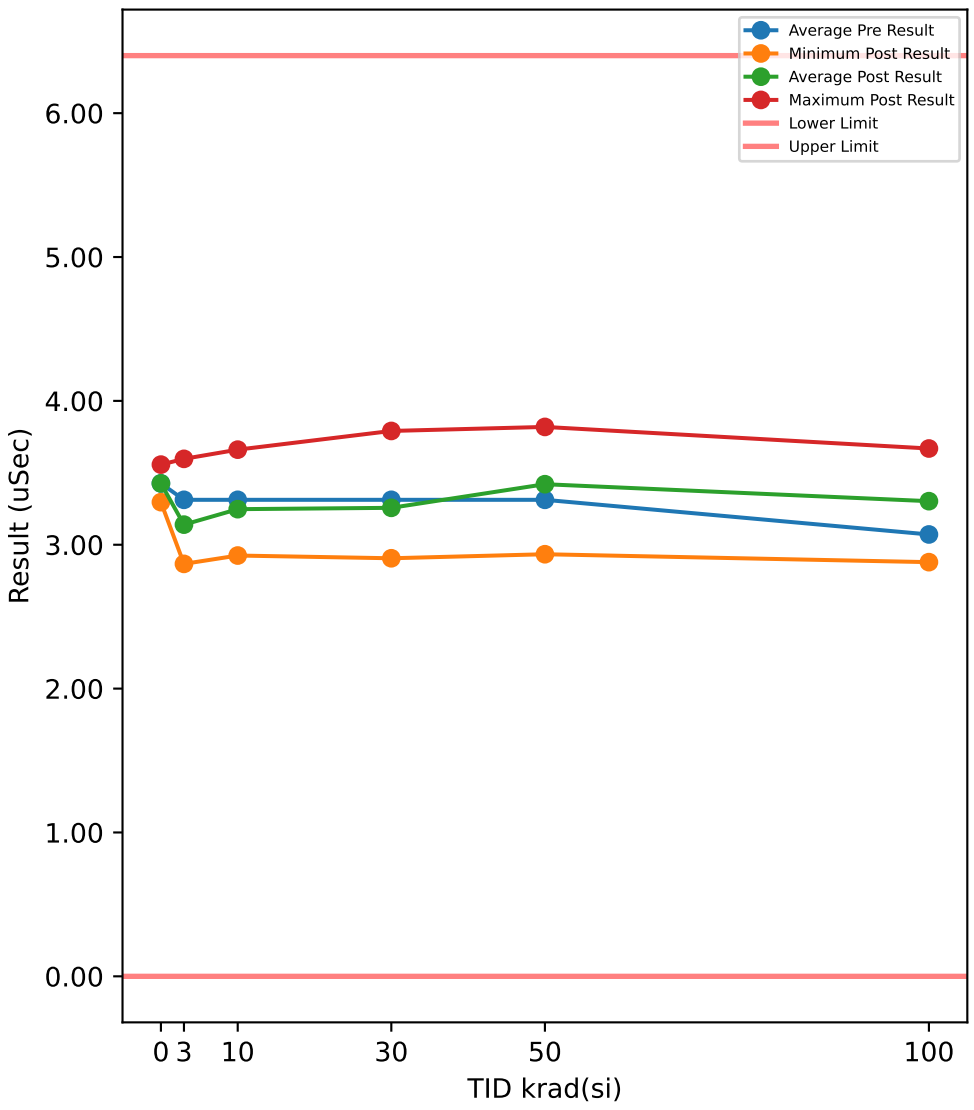
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.508 | 12.508 | 0 |
| 7 | 0 | Correlation | 12.253 | 12.253 | 0 |
| 16 | 3 | LDR-Biased | 12.777 | 12.235 | -0.542 |
| 18 | 3 | LDR-Biased | 12.709 | 12.754 | 0.045 |
| 19 | 3 | LDR-Biased | 12.591 | 12.568 | -0.023 |
| 20 | 3 | LDR-Biased | 12.513 | 12.346 | -0.167 |
| 21 | 3 | LDR-Biased | 12.324 | 12.2 | -0.124 |
| 22 | 3 | LDR-Unbiased | 12.227 | 12.686 | 0.459 |
| 23 | 3 | LDR-Unbiased | 12.755 | 12.661 | -0.094 |
| 25 | 3 | LDR-Unbiased | 12.735 | 12.09 | -0.645 |
| 26 | 3 | LDR-Unbiased | 12.457 | 12.43 | -0.027 |
| 27 | 3 | LDR-Unbiased | 12.407 | 12.754 | 0.347 |
| 46 | 10 | LDR-Biased | 12.777 | 12.295 | -0.482 |
| 48 | 10 | LDR-Biased | 12.709 | 12.794 | 0.085 |
| 49 | 10 | LDR-Biased | 12.591 | 12.565 | -0.026 |
| 50 | 10 | LDR-Biased | 12.513 | 12.388 | -0.125 |
| 51 | 10 | LDR-Biased | 12.324 | 12.385 | 0.061 |
| 52 | 10 | LDR-Unbiased | 12.227 | 12.523 | 0.296 |
| 53 | 10 | LDR-Unbiased | 12.755 | 12.69 | -0.065 |
| 55 | 10 | LDR-Unbiased | 12.735 | 12.101 | -0.634 |
| 56 | 10 | LDR-Unbiased | 12.457 | 12.49 | 0.033 |
| 57 | 10 | LDR-Unbiased | 12.407 | 12.606 | 0.199 |
| 76 | 30 | LDR-Biased | 12.777 | 12.404 | -0.373 |
| 78 | 30 | LDR-Biased | 12.709 | 12.617 | -0.092 |
| 79 | 30 | LDR-Biased | 12.591 | 12.372 | -0.219 |
| 80 | 30 | LDR-Biased | 12.513 | 12.367 | -0.146 |
| 81 | 30 | LDR-Biased | 12.324 | 12.309 | -0.015 |
| 82 | 30 | LDR-Unbiased | 12.227 | 12.554 | 0.327 |
| 83 | 30 | LDR-Unbiased | 12.755 | 12.727 | -0.028 |
| 84 | 30 | LDR-Unbiased | 12.407 | 12.806 | 0.399 |
| 85 | 30 | LDR-Unbiased | 12.735 | 12.085 | -0.65 |
| 86 | 30 | LDR-Unbiased | 12.457 | 12.358 | -0.099 |
| 87 | 100 | LDR-Biased | 12.307 | 12.461 | 0.154 |
| 88 | 100 | LDR-Biased | 12.8 | 12.626 | -0.174 |
| 90 | 100 | LDR-Biased | 12.565 | 12.611 | 0.046 |
| 91 | 100 | LDR-Unbiased | 12.231 | 12.331 | 0.1 |
| 93 | 100 | LDR-Unbiased | 12.162 | 12.247 | 0.085 |
| 94 | 100 | LDR-Unbiased | 12.798 | 12.467 | -0.331 |
| 95 | 100 | LDR-Unbiased | 12.742 | 12.339 | -0.403 |
| 96 | 100 | LDR-Unbiased | 12.545 | 12.243 | -0.302 |
| 106 | 50 | LDR-Biased | 12.777 | 12.395 | -0.382 |
| 108 | 50 | LDR-Biased | 12.709 | 12.556 | -0.153 |
| 109 | 50 | LDR-Biased | 12.591 | 12.505 | -0.086 |
| 110 | 50 | LDR-Biased | 12.513 | 12.271 | -0.242 |
| 111 | 50 | LDR-Biased | 12.324 | 12.313 | -0.011 |
| 112 | 50 | LDR-Unbiased | 12.227 | 12.704 | 0.477 |
| 113 | 50 | LDR-Unbiased | 12.755 | 12.66 | -0.095 |
| 115 | 50 | LDR-Unbiased | 12.735 | 12.189 | -0.546 |
| 116 | 50 | LDR-Unbiased | 12.457 | 12.296 | -0.161 |
| 117 | 50 | LDR-Unbiased | 12.407 | 12.788 | 0.381 |

Test Statistics (mSec)

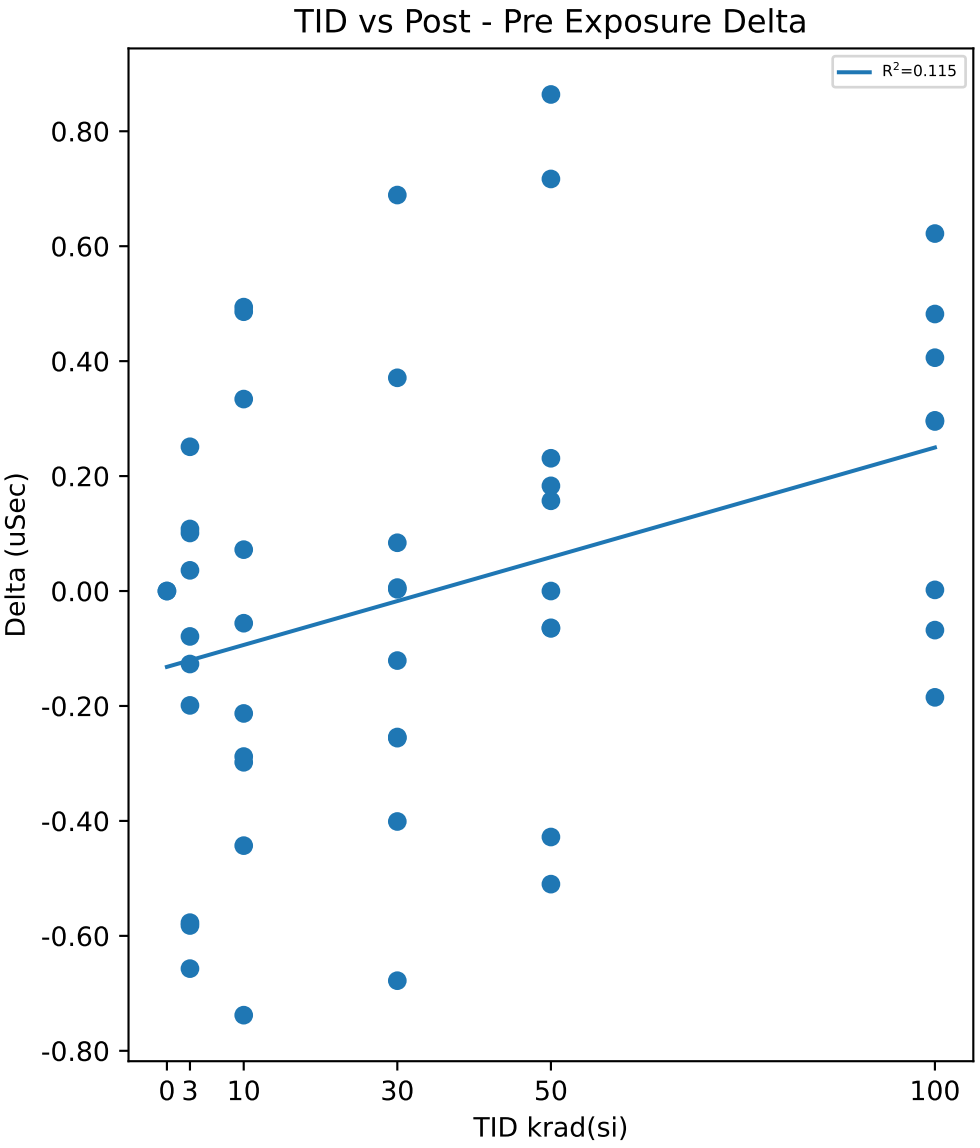
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.253 | 12.38 | 12.508 | 0.18031 | 12.253 | 12.38 | 12.508 | 0.18031 | 0 | 0 | 0 | 0 |
| 3 | 12.227 | 12.55 | 12.777 | 0.19454 | 12.09 | 12.472 | 12.754 | 0.24574 | -0.645 | -0.0771 | 0.459 | 0.33941 |
| 10 | 12.227 | 12.55 | 12.777 | 0.19454 | 12.101 | 12.484 | 12.794 | 0.20082 | -0.634 | -0.0658 | 0.296 | 0.28882 |
| 30 | 12.227 | 12.55 | 12.777 | 0.19454 | 12.085 | 12.46 | 12.806 | 0.21547 | -0.65 | -0.0896 | 0.399 | 0.30478 |
| 50 | 12.227 | 12.55 | 12.777 | 0.19454 | 12.189 | 12.468 | 12.788 | 0.20539 | -0.546 | -0.0818 | 0.477 | 0.31167 |
| 100 | 12.162 | 12.519 | 12.8 | 0.25764 | 12.243 | 12.416 | 12.626 | 0.15043 | -0.403 | -0.10313 | 0.154 | 0.22406 |

# Device Test: 5.6 tpd_EN1_SD/EN1/1.6/3/0/0/0/@TPD_EN

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



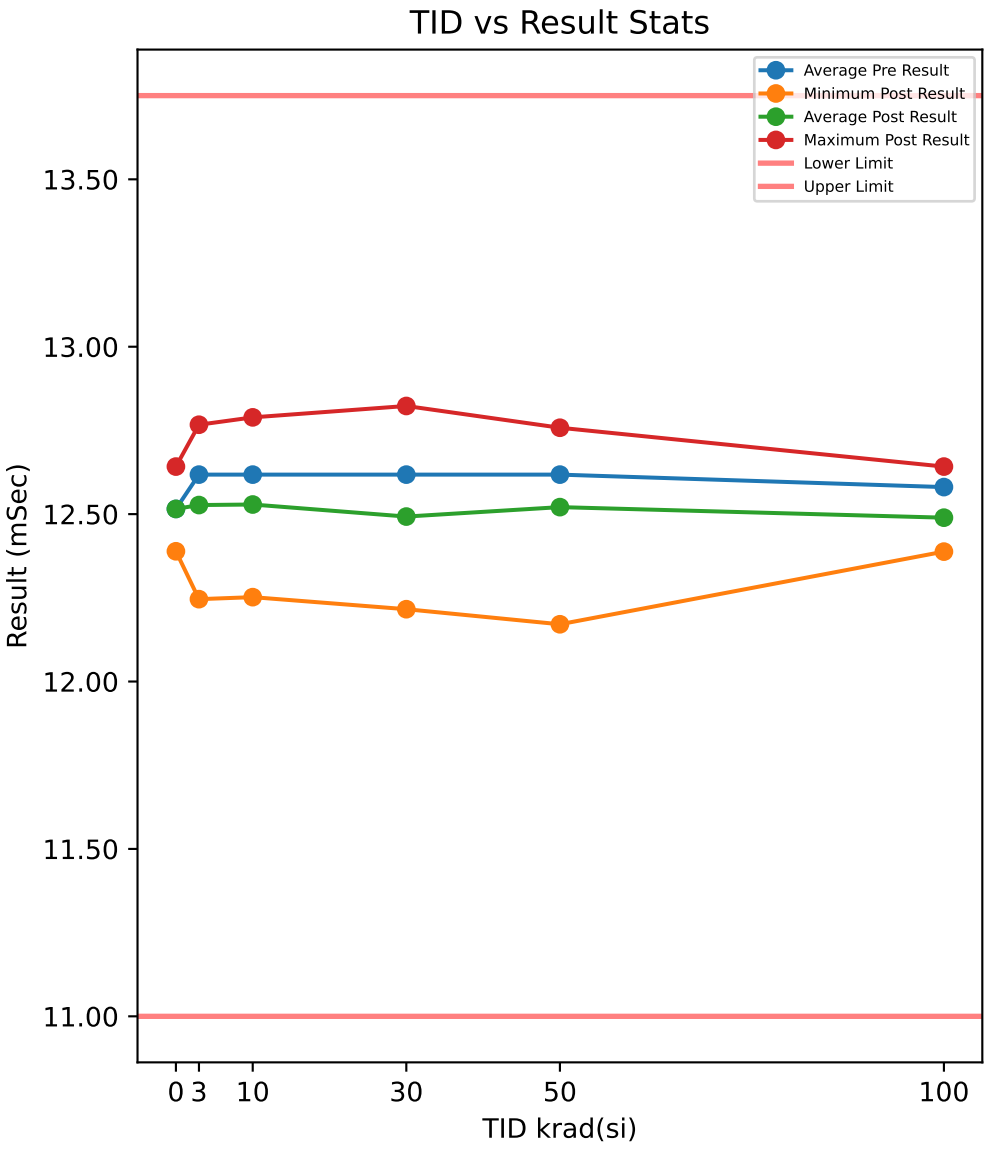

## Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

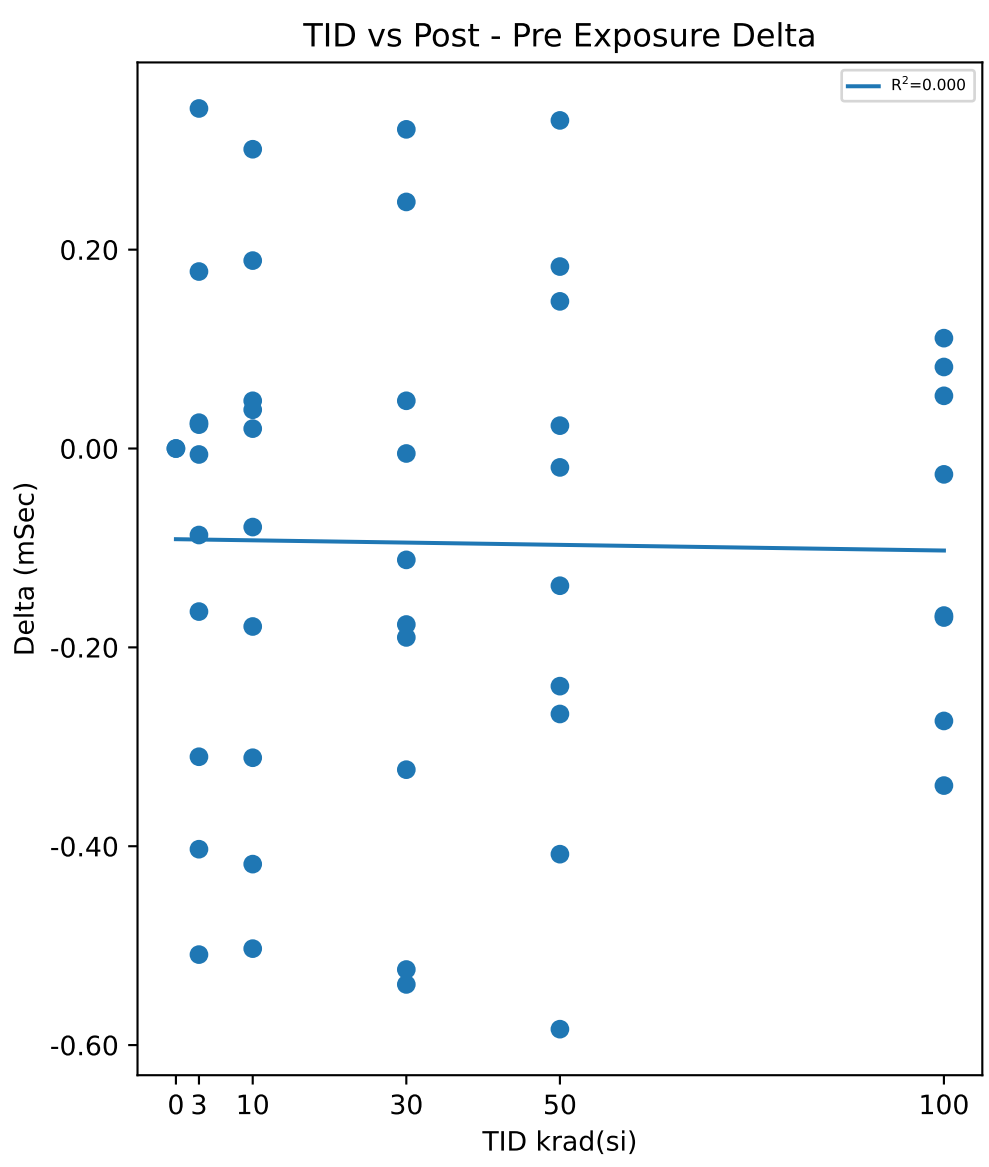
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.296 | 3.296 | 0 |
| 7 | 0 | Correlation | 3.557 | 3.557 | 0 |
| 16 | 3 | LDR-Biased | 3.584 | 3.002 | -0.582 |
| 18 | 3 | LDR-Biased | 2.853 | 3.104 | 0.251 |
| 19 | 3 | LDR-Biased | 3.444 | 2.867 | -0.577 |
| 20 | 3 | LDR-Biased | 3.328 | 3.436 | 0.108 |
| 21 | 3 | LDR-Biased | 3.303 | 3.224 | -0.079 |
| 22 | 3 | LDR-Unbiased | 2.964 | 3.065 | 0.101 |
| 23 | 3 | LDR-Unbiased | 3.167 | 3.203 | 0.036 |
| 25 | 3 | LDR-Unbiased | 3.102 | 2.975 | -0.127 |
| 26 | 3 | LDR-Unbiased | 3.582 | 2.925 | -0.657 |
| 27 | 3 | LDR-Unbiased | 3.796 | 3.597 | -0.199 |
| 46 | 10 | LDR-Biased | 3.584 | 3.371 | -0.213 |
| 48 | 10 | LDR-Biased | 2.853 | 2.925 | 0.072 |
| 49 | 10 | LDR-Biased | 3.444 | 3.001 | -0.443 |
| 50 | 10 | LDR-Biased | 3.328 | 3.04 | -0.288 |
| 51 | 10 | LDR-Biased | 3.303 | 3.247 | -0.056 |
| 52 | 10 | LDR-Unbiased | 2.964 | 3.298 | 0.334 |
| 53 | 10 | LDR-Unbiased | 3.167 | 3.661 | 0.494 |
| 55 | 10 | LDR-Unbiased | 3.102 | 3.588 | 0.486 |
| 56 | 10 | LDR-Unbiased | 3.582 | 3.284 | -0.298 |
| 57 | 10 | LDR-Unbiased | 3.796 | 3.058 | -0.738 |
| 76 | 30 | LDR-Biased | 3.584 | 2.906 | -0.678 |
| 78 | 30 | LDR-Biased | 2.853 | 3.224 | 0.371 |
| 79 | 30 | LDR-Biased | 3.444 | 3.188 | -0.256 |
| 80 | 30 | LDR-Biased | 3.328 | 3.331 | 0.003 |
| 81 | 30 | LDR-Biased | 3.303 | 3.182 | -0.121 |
| 82 | 30 | LDR-Unbiased | 2.964 | 2.97 | 0.006 |
| 83 | 30 | LDR-Unbiased | 3.167 | 3.251 | 0.084 |
| 84 | 30 | LDR-Unbiased | 3.796 | 3.395 | -0.401 |
| 85 | 30 | LDR-Unbiased | 3.102 | 3.791 | 0.689 |
| 86 | 30 | LDR-Unbiased | 3.582 | 3.328 | -0.254 |
| 87 | 100 | LDR-Biased | 3.167 | 2.982 | -0.185 |
| 88 | 100 | LDR-Biased | 3.195 | 3.197 | 0.002 |
| 90 | 100 | LDR-Biased | 3.202 | 3.497 | 0.295 |
| 91 | 100 | LDR-Unbiased | 2.963 | 3.445 | 0.482 |
| 93 | 100 | LDR-Unbiased | 2.944 | 3.566 | 0.622 |
| 94 | 100 | LDR-Unbiased | 2.891 | 3.188 | 0.297 |
| 95 | 100 | LDR-Unbiased | 3.263 | 3.669 | 0.406 |
| 96 | 100 | LDR-Unbiased | 2.947 | 2.879 | -0.068 |
| 106 | 50 | LDR-Biased | 3.584 | 3.741 | 0.157 |
| 108 | 50 | LDR-Biased | 2.853 | 3.717 | 0.864 |
| 109 | 50 | LDR-Biased | 3.444 | 2.934 | -0.51 |
| 110 | 50 | LDR-Biased | 3.328 | 3.328 | 0 |
| 111 | 50 | LDR-Biased | 3.303 | 3.486 | 0.183 |
| 112 | 50 | LDR-Unbiased | 2.964 | 3.195 | 0.231 |
| 113 | 50 | LDR-Unbiased | 3.167 | 3.103 | -0.064 |
| 115 | 50 | LDR-Unbiased | 3.102 | 3.819 | 0.717 |
| 116 | 50 | LDR-Unbiased | 3.582 | 3.154 | -0.428 |
| 117 | 50 | LDR-Unbiased | 3.796 | 3.731 | -0.065 |

## Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.296 | 3.4265 | 3.557 | 0.18455 | 3.296 | 3.4265 | 3.557 | 0.18455 | 0 | 0 | 0 | 0 |
| 3 | 2.853 | 3.3123 | 3.796 | 0.29736 | 2.867 | 3.1398 | 3.597 | 0.23128 | -0.657 | -0.1725 | 0.251 | 0.32555 |
| 10 | 2.853 | 3.3123 | 3.796 | 0.29736 | 2.925 | 3.2473 | 3.661 | 0.24716 | -0.738 | -0.065 | 0.494 | 0.4104 |
| 30 | 2.853 | 3.3123 | 3.796 | 0.29736 | 2.906 | 3.2566 | 3.791 | 0.24308 | -0.678 | -0.0557 | 0.689 | 0.38782 |
| 50 | 2.853 | 3.3123 | 3.796 | 0.29736 | 2.934 | 3.4208 | 3.819 | 0.31938 | -0.51 | 0.1085 | 0.864 | 0.43538 |
| 100 | 2.891 | 3.0715 | 3.263 | 0.14841 | 2.879 | 3.3029 | 3.669 | 0.28491 | -0.185 | 0.23138 | 0.622 | 0.28532 |

# Device Test: 5.60 tdly_Res619K_EN2_SU/EN2/1.6/3/619K/0/0/@DLY_TMR_500KOHM



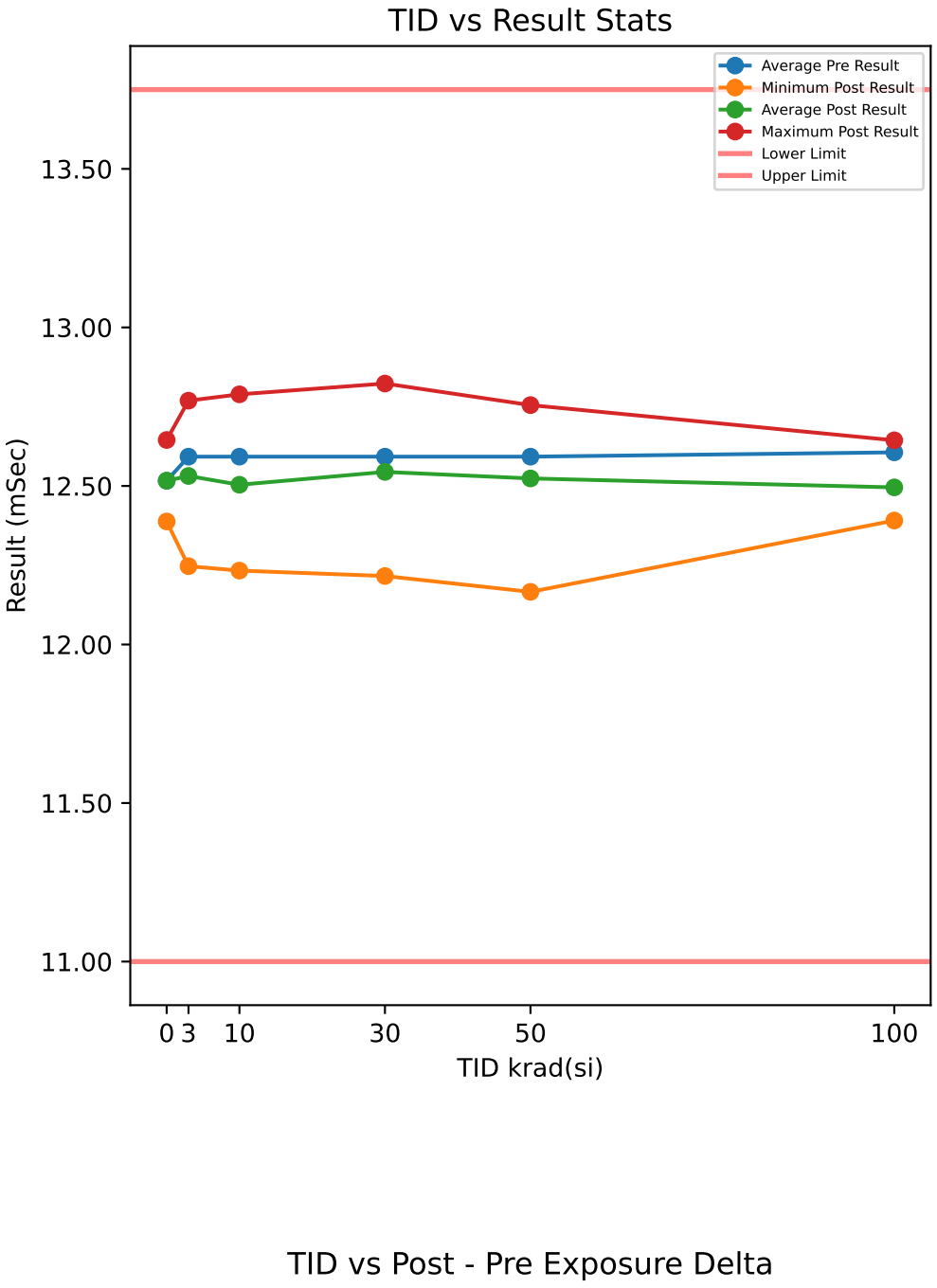

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

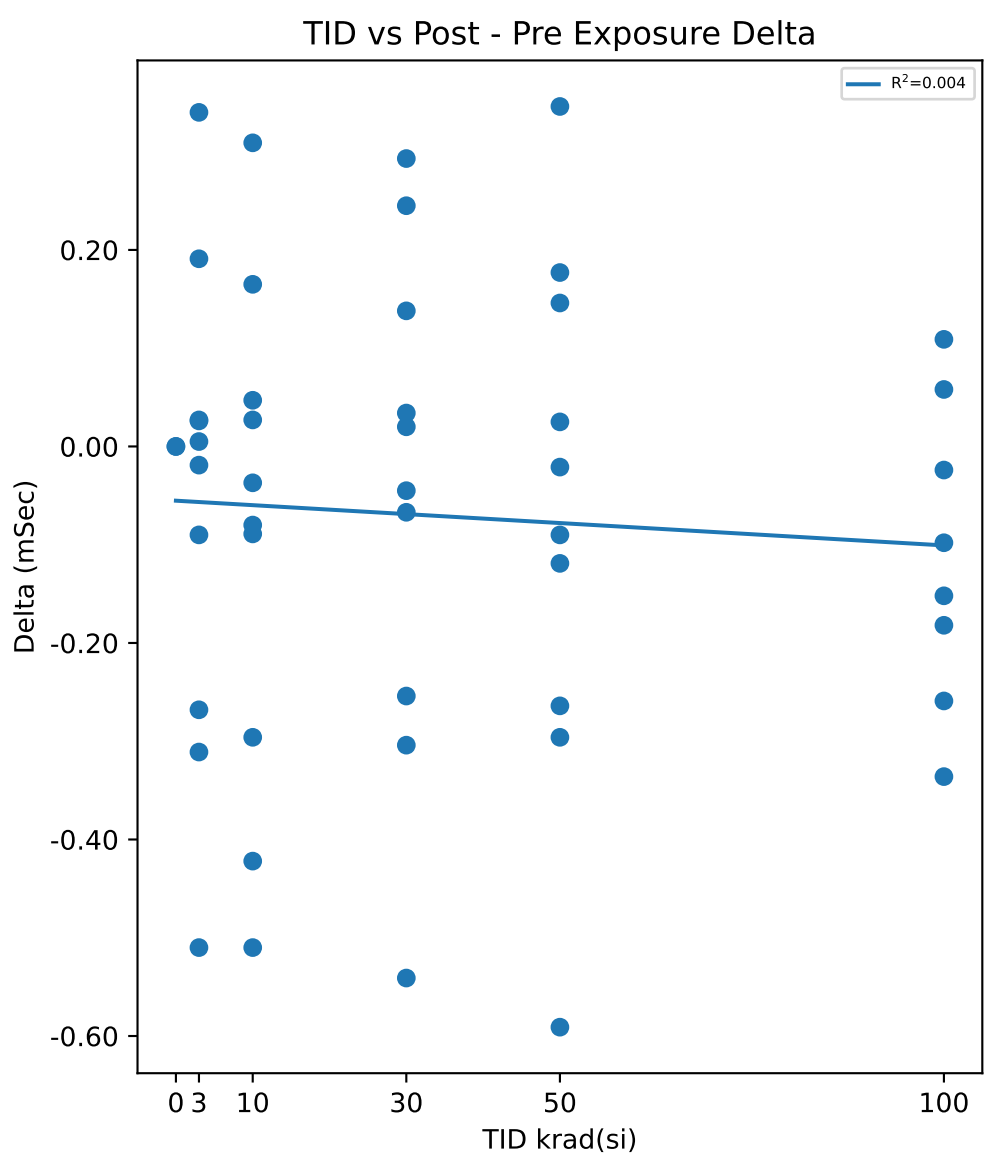
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.642 | 12.642 | 0 |
| 7 | 0 | Correlation | 12.389 | 12.389 | 0 |
| 16 | 3 | LDR-Biased | 12.789 | 12.386 | -0.403 |
| 18 | 3 | LDR-Biased | 12.741 | 12.767 | 0.026 |
| 19 | 3 | LDR-Biased | 12.742 | 12.578 | -0.164 |
| 20 | 3 | LDR-Biased | 12.664 | 12.354 | -0.31 |
| 21 | 3 | LDR-Biased | 12.331 | 12.355 | 0.024 |
| 22 | 3 | LDR-Unbiased | 12.373 | 12.715 | 0.342 |
| 23 | 3 | LDR-Unbiased | 12.767 | 12.68 | -0.087 |
| 25 | 3 | LDR-Unbiased | 12.755 | 12.246 | -0.509 |
| 26 | 3 | LDR-Unbiased | 12.443 | 12.437 | -0.006 |
| 27 | 3 | LDR-Unbiased | 12.575 | 12.753 | 0.178 |
| 46 | 10 | LDR-Biased | 12.789 | 12.371 | -0.418 |
| 48 | 10 | LDR-Biased | 12.741 | 12.789 | 0.048 |
| 49 | 10 | LDR-Biased | 12.742 | 12.563 | -0.179 |
| 50 | 10 | LDR-Biased | 12.664 | 12.353 | -0.311 |
| 51 | 10 | LDR-Biased | 12.331 | 12.37 | 0.039 |
| 52 | 10 | LDR-Unbiased | 12.373 | 12.674 | 0.301 |
| 53 | 10 | LDR-Unbiased | 12.767 | 12.688 | -0.079 |
| 55 | 10 | LDR-Unbiased | 12.755 | 12.252 | -0.503 |
| 56 | 10 | LDR-Unbiased | 12.443 | 12.463 | 0.02 |
| 57 | 10 | LDR-Unbiased | 12.575 | 12.764 | 0.189 |
| 76 | 30 | LDR-Biased | 12.789 | 12.265 | -0.524 |
| 78 | 30 | LDR-Biased | 12.741 | 12.629 | -0.112 |
| 79 | 30 | LDR-Biased | 12.742 | 12.552 | -0.19 |
| 80 | 30 | LDR-Biased | 12.664 | 12.341 | -0.323 |
| 81 | 30 | LDR-Biased | 12.331 | 12.326 | -0.005 |
| 82 | 30 | LDR-Unbiased | 12.373 | 12.694 | 0.321 |
| 83 | 30 | LDR-Unbiased | 12.767 | 12.59 | -0.177 |
| 84 | 30 | LDR-Unbiased | 12.575 | 12.823 | 0.248 |
| 85 | 30 | LDR-Unbiased | 12.755 | 12.216 | -0.539 |
| 86 | 30 | LDR-Unbiased | 12.443 | 12.491 | 0.048 |
| 87 | 100 | LDR-Biased | 12.474 | 12.448 | -0.026 |
| 88 | 100 | LDR-Biased | 12.795 | 12.625 | -0.17 |
| 90 | 100 | LDR-Biased | 12.56 | 12.642 | 0.082 |
| 91 | 100 | LDR-Unbiased | 12.373 | 12.484 | 0.111 |
| 93 | 100 | LDR-Unbiased | 12.336 | 12.389 | 0.053 |
| 94 | 100 | LDR-Unbiased | 12.792 | 12.453 | -0.339 |
| 95 | 100 | LDR-Unbiased | 12.76 | 12.486 | -0.274 |
| 96 | 100 | LDR-Unbiased | 12.556 | 12.388 | -0.168 |
| 106 | 50 | LDR-Biased | 12.789 | 12.381 | -0.408 |
| 108 | 50 | LDR-Biased | 12.741 | 12.722 | -0.019 |
| 109 | 50 | LDR-Biased | 12.742 | 12.503 | -0.239 |
| 110 | 50 | LDR-Biased | 12.664 | 12.397 | -0.267 |
| 111 | 50 | LDR-Biased | 12.331 | 12.479 | 0.148 |
| 112 | 50 | LDR-Unbiased | 12.373 | 12.703 | 0.33 |
| 113 | 50 | LDR-Unbiased | 12.767 | 12.629 | -0.138 |
| 115 | 50 | LDR-Unbiased | 12.755 | 12.171 | -0.584 |
| 116 | 50 | LDR-Unbiased | 12.443 | 12.466 | 0.023 |
| 117 | 50 | LDR-Unbiased | 12.575 | 12.758 | 0.183 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.389 | 12.515 | 12.642 | 0.1789 | 12.389 | 12.515 | 12.642 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.331 | 12.618 | 12.789 | 0.17566 | 12.246 | 12.527 | 12.767 | 0.19336 | -0.509 | -0.0909 | 0.342 | 0.26233 |
| 10 | 12.331 | 12.618 | 12.789 | 0.17566 | 12.252 | 12.529 | 12.789 | 0.19224 | -0.503 | -0.0893 | 0.301 | 0.2611 |
| 30 | 12.331 | 12.618 | 12.789 | 0.17566 | 12.216 | 12.493 | 12.823 | 0.20011 | -0.539 | -0.1253 | 0.321 | 0.29045 |
| 50 | 12.331 | 12.618 | 12.789 | 0.17566 | 12.171 | 12.521 | 12.758 | 0.18377 | -0.584 | -0.0971 | 0.33 | 0.28399 |
| 100 | 12.336 | 12.581 | 12.795 | 0.18445 | 12.388 | 12.489 | 12.642 | 0.096448 | -0.339 | -0.091375 | 0.111 | 0.17023 |

# Device Test: 5.61 tdly_Res619K_EN3_SU/EN3/1.6/3/619K/0/0/@DLY_TMR_500KOHM



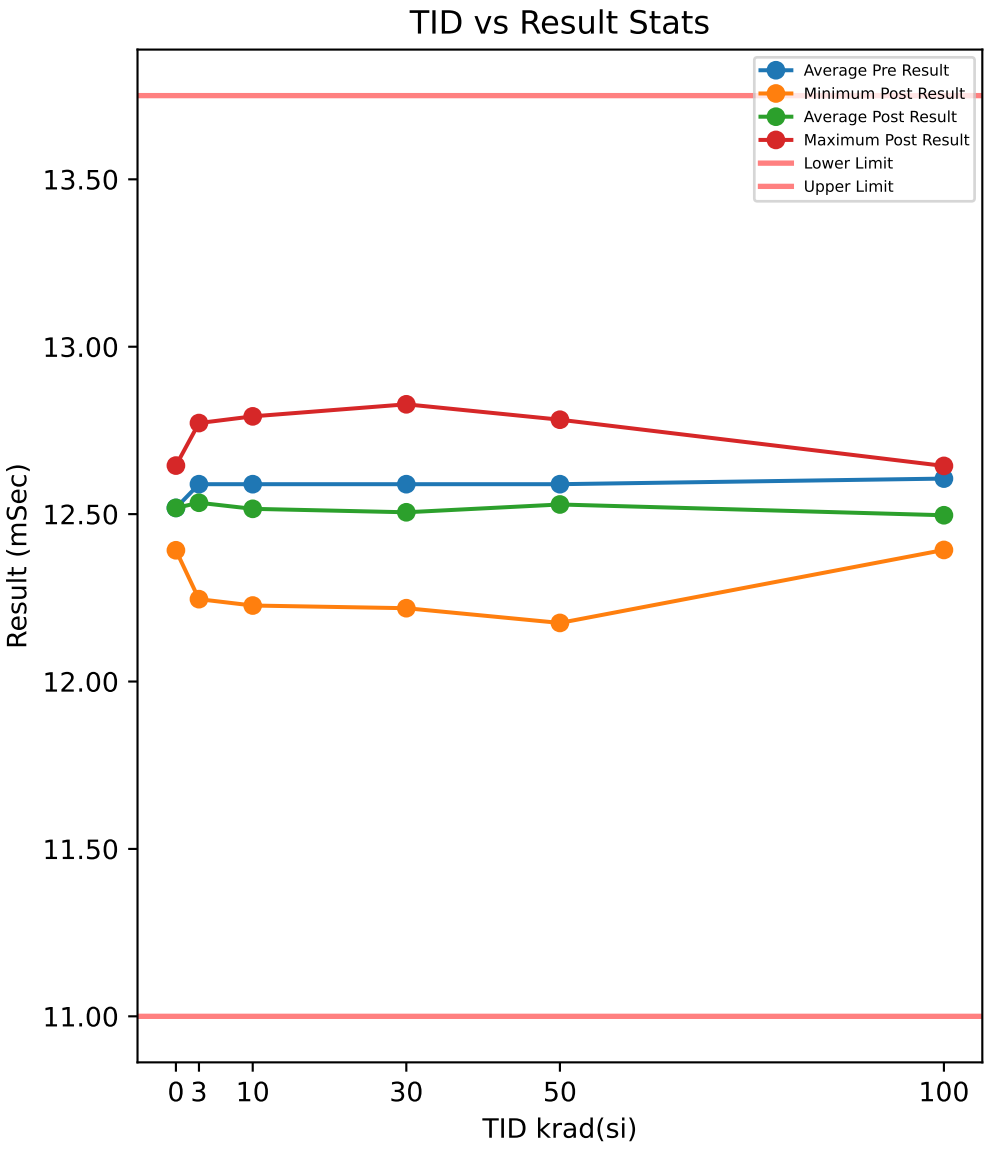

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

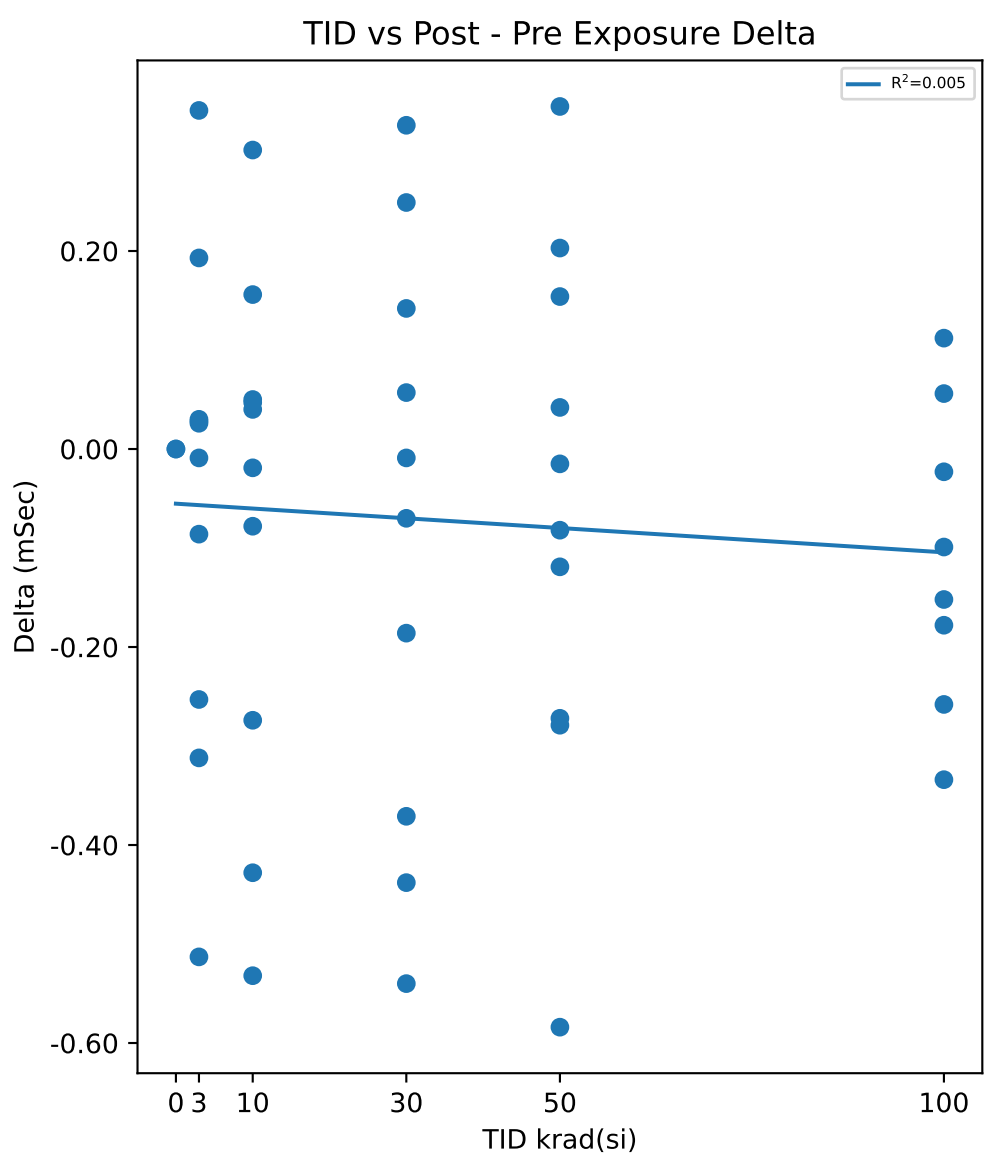
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.645 | 12.645 | 0 |
| 7 | 0 | Correlation | 12.388 | 12.388 | 0 |
| 16 | 3 | LDR-Biased | 12.655 | 12.387 | -0.268 |
| 18 | 3 | LDR-Biased | 12.742 | 12.769 | 0.027 |
| 19 | 3 | LDR-Biased | 12.602 | 12.583 | -0.019 |
| 20 | 3 | LDR-Biased | 12.67 | 12.359 | -0.311 |
| 21 | 3 | LDR-Biased | 12.334 | 12.36 | 0.026 |
| 22 | 3 | LDR-Unbiased | 12.374 | 12.714 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.769 | 12.679 | -0.09 |
| 25 | 3 | LDR-Unbiased | 12.757 | 12.247 | -0.51 |
| 26 | 3 | LDR-Unbiased | 12.443 | 12.448 | 0.005 |
| 27 | 3 | LDR-Unbiased | 12.578 | 12.769 | 0.191 |
| 46 | 10 | LDR-Biased | 12.655 | 12.233 | -0.422 |
| 48 | 10 | LDR-Biased | 12.742 | 12.789 | 0.047 |
| 49 | 10 | LDR-Biased | 12.602 | 12.565 | -0.037 |
| 50 | 10 | LDR-Biased | 12.67 | 12.374 | -0.296 |
| 51 | 10 | LDR-Biased | 12.334 | 12.245 | -0.089 |
| 52 | 10 | LDR-Unbiased | 12.374 | 12.683 | 0.309 |
| 53 | 10 | LDR-Unbiased | 12.769 | 12.689 | -0.08 |
| 55 | 10 | LDR-Unbiased | 12.757 | 12.247 | -0.51 |
| 56 | 10 | LDR-Unbiased | 12.443 | 12.47 | 0.027 |
| 57 | 10 | LDR-Unbiased | 12.578 | 12.743 | 0.165 |
| 76 | 30 | LDR-Biased | 12.655 | 12.401 | -0.254 |
| 78 | 30 | LDR-Biased | 12.742 | 12.762 | 0.02 |
| 79 | 30 | LDR-Biased | 12.602 | 12.535 | -0.067 |
| 80 | 30 | LDR-Biased | 12.67 | 12.366 | -0.304 |
| 81 | 30 | LDR-Biased | 12.334 | 12.472 | 0.138 |
| 82 | 30 | LDR-Unbiased | 12.374 | 12.667 | 0.293 |
| 83 | 30 | LDR-Unbiased | 12.769 | 12.724 | -0.045 |
| 84 | 30 | LDR-Unbiased | 12.578 | 12.823 | 0.245 |
| 85 | 30 | LDR-Unbiased | 12.757 | 12.216 | -0.541 |
| 86 | 30 | LDR-Unbiased | 12.443 | 12.477 | 0.034 |
| 87 | 100 | LDR-Biased | 12.474 | 12.45 | -0.024 |
| 88 | 100 | LDR-Biased | 12.794 | 12.642 | -0.152 |
| 90 | 100 | LDR-Biased | 12.742 | 12.644 | -0.098 |
| 91 | 100 | LDR-Unbiased | 12.375 | 12.484 | 0.109 |
| 93 | 100 | LDR-Unbiased | 12.335 | 12.393 | 0.058 |
| 94 | 100 | LDR-Unbiased | 12.793 | 12.457 | -0.336 |
| 95 | 100 | LDR-Unbiased | 12.762 | 12.503 | -0.259 |
| 96 | 100 | LDR-Unbiased | 12.573 | 12.391 | -0.182 |
| 106 | 50 | LDR-Biased | 12.655 | 12.391 | -0.264 |
| 108 | 50 | LDR-Biased | 12.742 | 12.721 | -0.021 |
| 109 | 50 | LDR-Biased | 12.602 | 12.512 | -0.09 |
| 110 | 50 | LDR-Biased | 12.67 | 12.374 | -0.296 |
| 111 | 50 | LDR-Biased | 12.334 | 12.48 | 0.146 |
| 112 | 50 | LDR-Unbiased | 12.374 | 12.72 | 0.346 |
| 113 | 50 | LDR-Unbiased | 12.769 | 12.65 | -0.119 |
| 115 | 50 | LDR-Unbiased | 12.757 | 12.166 | -0.591 |
| 116 | 50 | LDR-Unbiased | 12.443 | 12.468 | 0.025 |
| 117 | 50 | LDR-Unbiased | 12.578 | 12.755 | 0.177 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.388 | 12.517 | 12.645 | 0.18173 | 12.388 | 12.517 | 12.645 | 0.18173 | 0 | 0 | 0 | 0 |
| 3 | 12.334 | 12.592 | 12.769 | 0.15906 | 12.247 | 12.531 | 12.769 | 0.19393 | -0.51 | -0.0609 | 0.34 | 0.248 |
| 10 | 12.334 | 12.592 | 12.769 | 0.15906 | 12.233 | 12.504 | 12.789 | 0.21933 | -0.51 | -0.0886 | 0.309 | 0.25574 |
| 30 | 12.334 | 12.592 | 12.769 | 0.15906 | 12.216 | 12.544 | 12.823 | 0.19504 | -0.541 | -0.0481 | 0.293 | 0.25808 |
| 50 | 12.334 | 12.592 | 12.769 | 0.15906 | 12.166 | 12.524 | 12.755 | 0.18857 | -0.591 | -0.0687 | 0.346 | 0.26979 |
| 100 | 12.335 | 12.606 | 12.794 | 0.19215 | 12.391 | 12.495 | 12.644 | 0.099054 | -0.336 | -0.1105 | 0.109 | 0.15304 |

# Device Test: 5.62 tdly_Res619K_EN4_SU/EN4/1.6/3/619K/0/0/@DLY_TMR_500KOHM



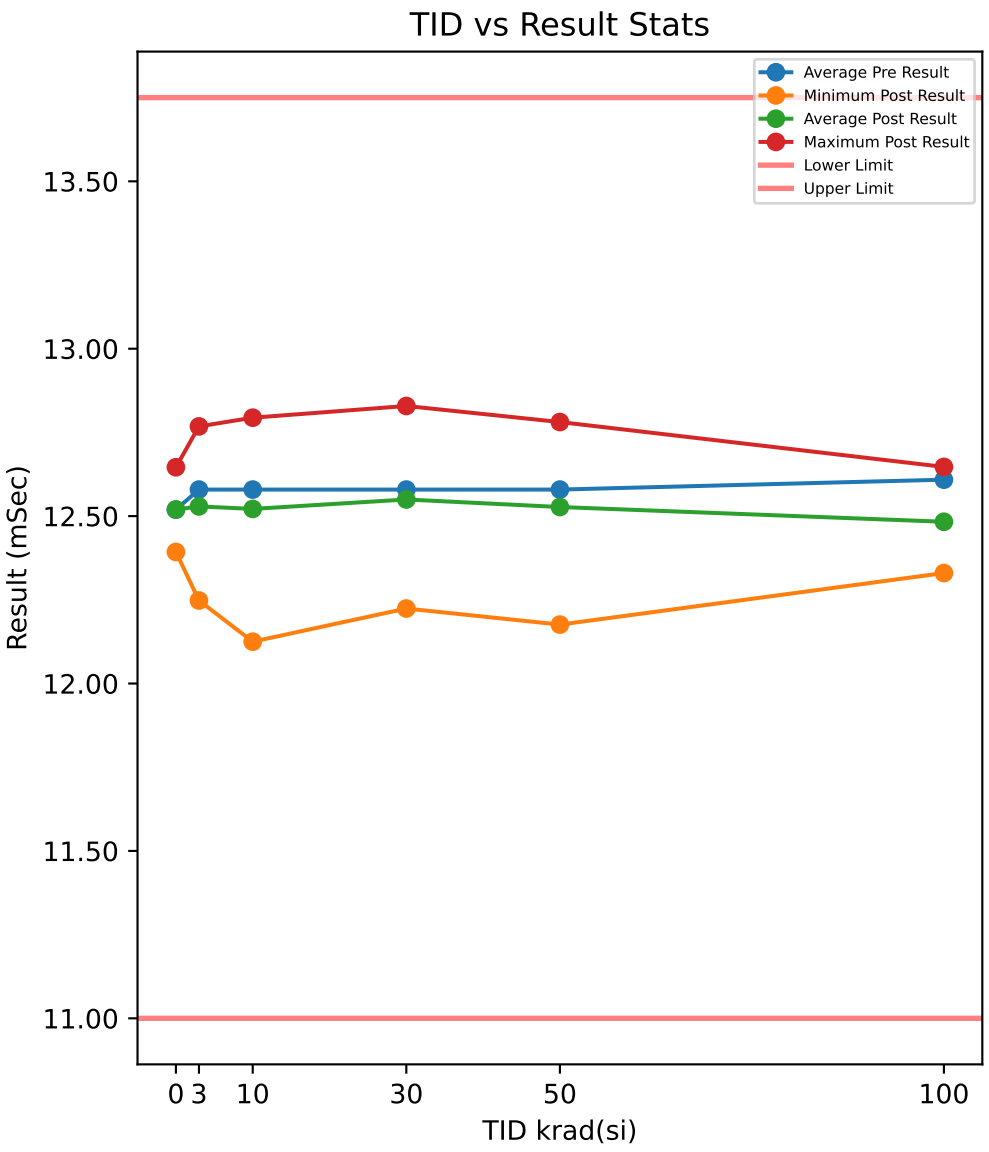

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

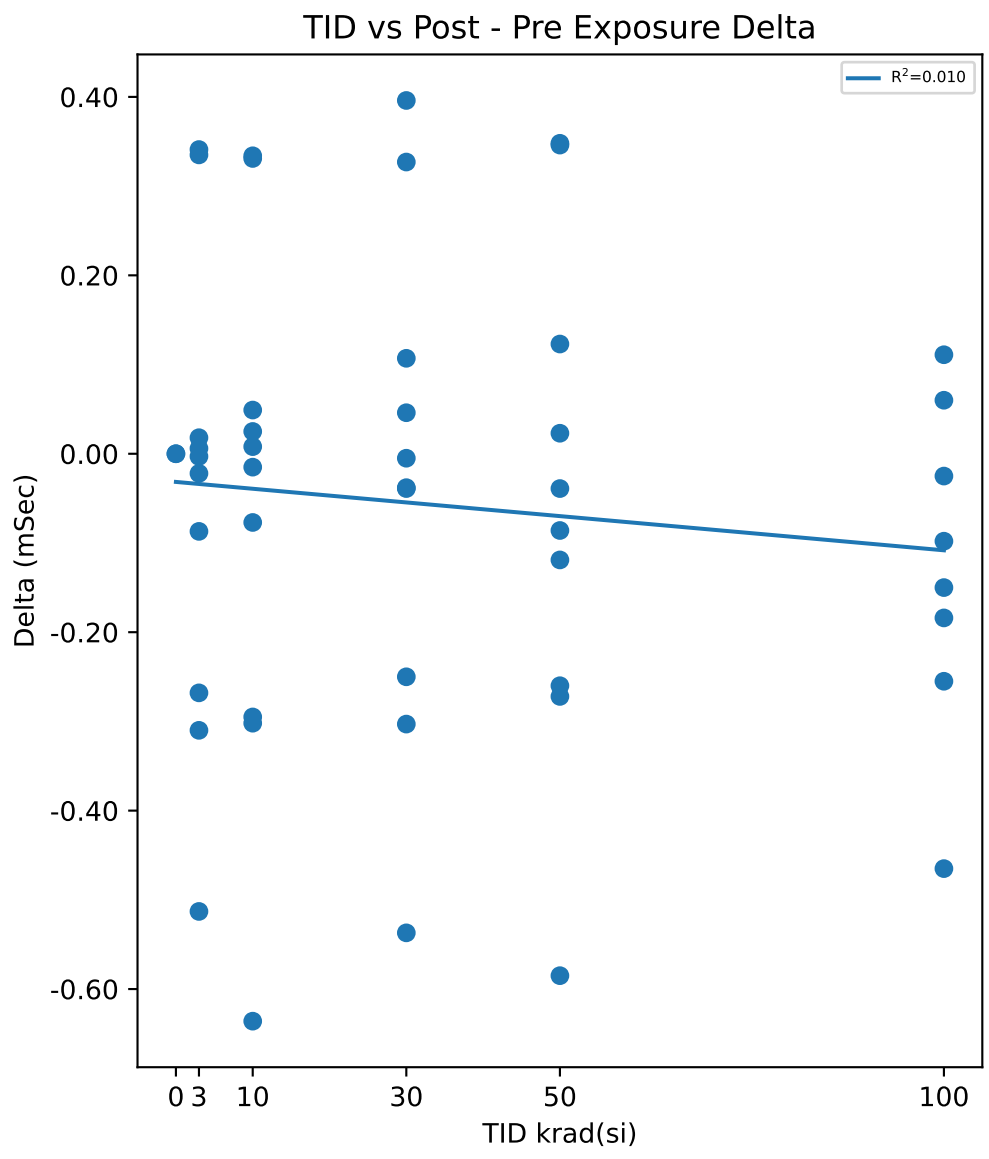
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.645 | 12.645 | 0 |
| 7 | 0 | Correlation | 12.392 | 12.392 | 0 |
| 16 | 3 | LDR-Biased | 12.642 | 12.389 | -0.253 |
| 18 | 3 | LDR-Biased | 12.745 | 12.771 | 0.026 |
| 19 | 3 | LDR-Biased | 12.593 | 12.584 | -0.009 |
| 20 | 3 | LDR-Biased | 12.673 | 12.361 | -0.312 |
| 21 | 3 | LDR-Biased | 12.333 | 12.361 | 0.028 |
| 22 | 3 | LDR-Unbiased | 12.376 | 12.718 | 0.342 |
| 23 | 3 | LDR-Unbiased | 12.77 | 12.684 | -0.086 |
| 25 | 3 | LDR-Unbiased | 12.759 | 12.246 | -0.513 |
| 26 | 3 | LDR-Unbiased | 12.424 | 12.454 | 0.03 |
| 27 | 3 | LDR-Unbiased | 12.579 | 12.772 | 0.193 |
| 46 | 10 | LDR-Biased | 12.642 | 12.368 | -0.274 |
| 48 | 10 | LDR-Biased | 12.745 | 12.792 | 0.047 |
| 49 | 10 | LDR-Biased | 12.593 | 12.574 | -0.019 |
| 50 | 10 | LDR-Biased | 12.673 | 12.245 | -0.428 |
| 51 | 10 | LDR-Biased | 12.333 | 12.373 | 0.04 |
| 52 | 10 | LDR-Unbiased | 12.376 | 12.678 | 0.302 |
| 53 | 10 | LDR-Unbiased | 12.77 | 12.692 | -0.078 |
| 55 | 10 | LDR-Unbiased | 12.759 | 12.227 | -0.532 |
| 56 | 10 | LDR-Unbiased | 12.424 | 12.474 | 0.05 |
| 57 | 10 | LDR-Unbiased | 12.579 | 12.735 | 0.156 |
| 76 | 30 | LDR-Biased | 12.642 | 12.271 | -0.371 |
| 78 | 30 | LDR-Biased | 12.745 | 12.736 | -0.009 |
| 79 | 30 | LDR-Biased | 12.593 | 12.523 | -0.07 |
| 80 | 30 | LDR-Biased | 12.673 | 12.235 | -0.438 |
| 81 | 30 | LDR-Biased | 12.333 | 12.475 | 0.142 |
| 82 | 30 | LDR-Unbiased | 12.376 | 12.703 | 0.327 |
| 83 | 30 | LDR-Unbiased | 12.77 | 12.584 | -0.186 |
| 84 | 30 | LDR-Unbiased | 12.579 | 12.828 | 0.249 |
| 85 | 30 | LDR-Unbiased | 12.759 | 12.219 | -0.54 |
| 86 | 30 | LDR-Unbiased | 12.424 | 12.481 | 0.057 |
| 87 | 100 | LDR-Biased | 12.475 | 12.452 | -0.023 |
| 88 | 100 | LDR-Biased | 12.788 | 12.636 | -0.152 |
| 90 | 100 | LDR-Biased | 12.743 | 12.644 | -0.099 |
| 91 | 100 | LDR-Unbiased | 12.376 | 12.488 | 0.112 |
| 93 | 100 | LDR-Unbiased | 12.338 | 12.394 | 0.056 |
| 94 | 100 | LDR-Unbiased | 12.794 | 12.46 | -0.334 |
| 95 | 100 | LDR-Unbiased | 12.764 | 12.506 | -0.258 |
| 96 | 100 | LDR-Unbiased | 12.571 | 12.393 | -0.178 |
| 106 | 50 | LDR-Biased | 12.642 | 12.363 | -0.279 |
| 108 | 50 | LDR-Biased | 12.745 | 12.73 | -0.015 |
| 109 | 50 | LDR-Biased | 12.593 | 12.511 | -0.082 |
| 110 | 50 | LDR-Biased | 12.673 | 12.401 | -0.272 |
| 111 | 50 | LDR-Biased | 12.333 | 12.487 | 0.154 |
| 112 | 50 | LDR-Unbiased | 12.376 | 12.722 | 0.346 |
| 113 | 50 | LDR-Unbiased | 12.77 | 12.651 | -0.119 |
| 115 | 50 | LDR-Unbiased | 12.759 | 12.175 | -0.584 |
| 116 | 50 | LDR-Unbiased | 12.424 | 12.466 | 0.042 |
| 117 | 50 | LDR-Unbiased | 12.579 | 12.782 | 0.203 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.392 | 12.518 | 12.645 | 0.1789 | 12.392 | 12.518 | 12.645 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.333 | 12.589 | 12.77 | 0.16128 | 12.246 | 12.534 | 12.772 | 0.19491 | -0.513 | -0.0554 | 0.342 | 0.24897 |
| 10 | 12.333 | 12.589 | 12.77 | 0.16128 | 12.227 | 12.516 | 12.792 | 0.20704 | -0.532 | -0.0736 | 0.302 | 0.26149 |
| 30 | 12.333 | 12.589 | 12.77 | 0.16128 | 12.219 | 12.505 | 12.828 | 0.21458 | -0.54 | -0.0839 | 0.327 | 0.29488 |
| 50 | 12.333 | 12.589 | 12.77 | 0.16128 | 12.175 | 12.529 | 12.782 | 0.19202 | -0.584 | -0.0606 | 0.346 | 0.27155 |
| 100 | 12.338 | 12.606 | 12.794 | 0.19098 | 12.393 | 12.497 | 12.644 | 0.097035 | -0.334 | -0.1095 | 0.112 | 0.15259 |

# Device Test: 5.63 tdly_Res619K_SEQ_SU/SEQ_DONE/1.6/3/619K/0/0/@DLY_TMR_500KOHM



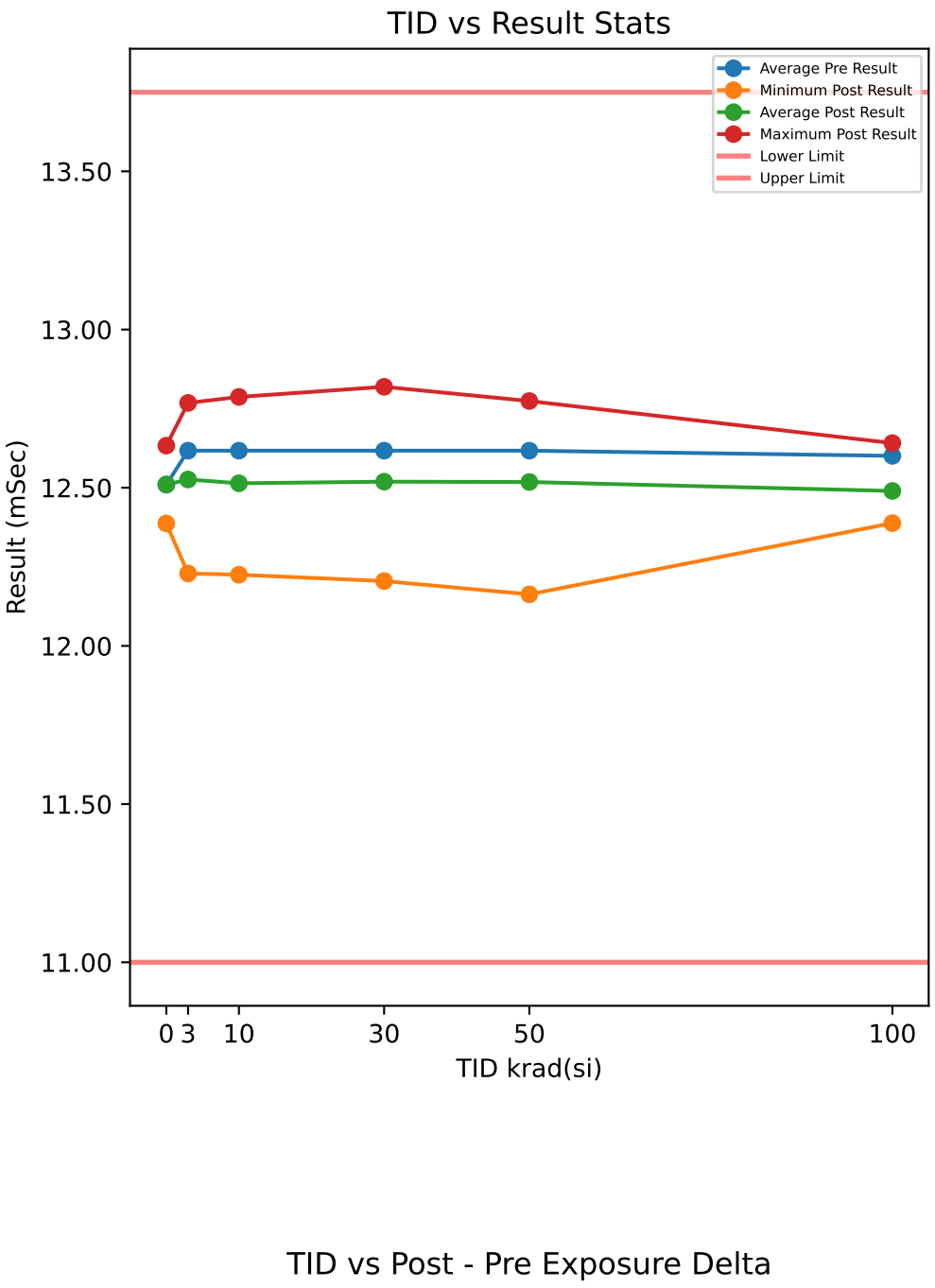

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

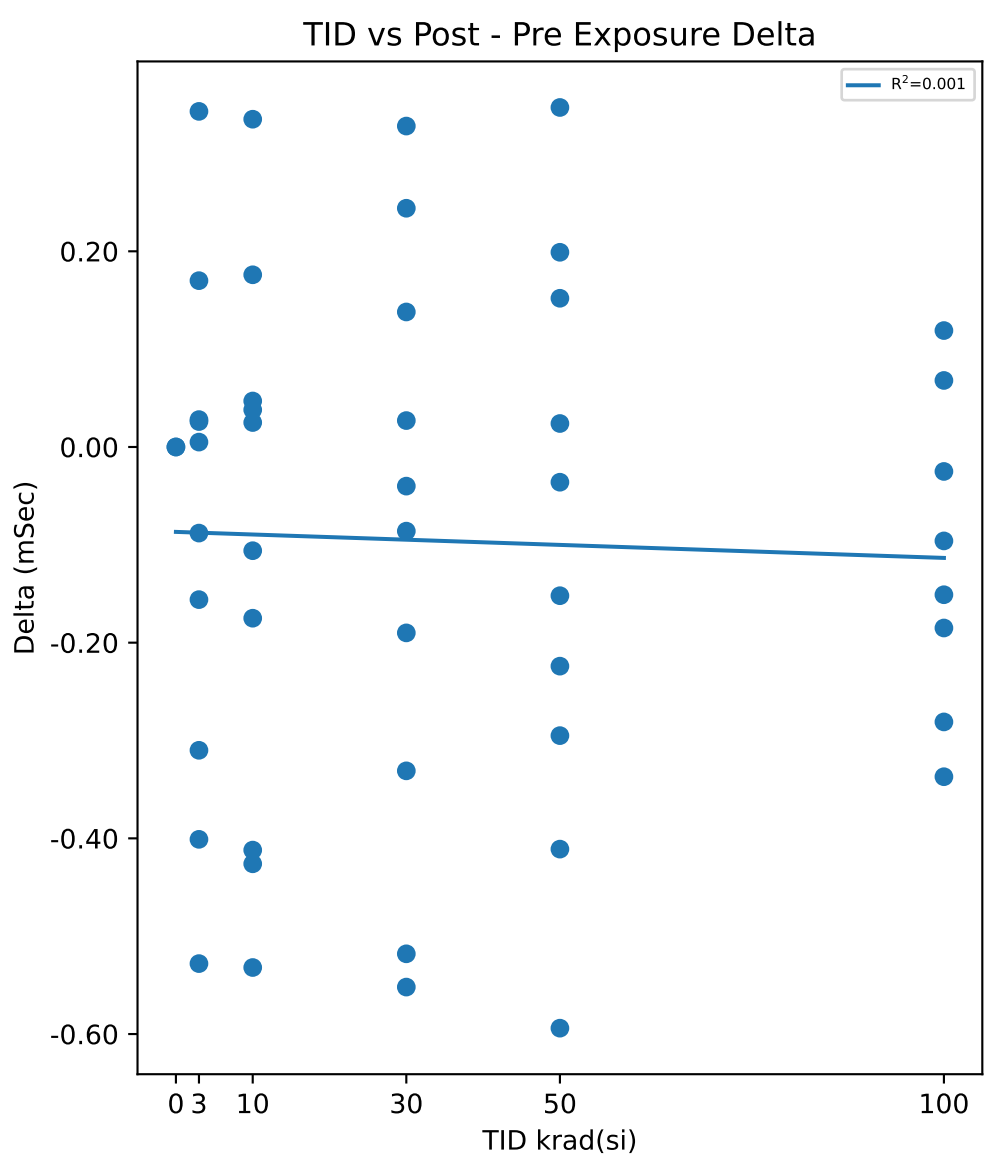
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.646 | 12.646 | 0 |
| 7 | 0 | Correlation | 12.393 | 12.393 | 0 |
| 16 | 3 | LDR-Biased | 12.655 | 12.387 | -0.268 |
| 18 | 3 | LDR-Biased | 12.745 | 12.763 | 0.018 |
| 19 | 3 | LDR-Biased | 12.594 | 12.572 | -0.022 |
| 20 | 3 | LDR-Biased | 12.673 | 12.363 | -0.31 |
| 21 | 3 | LDR-Biased | 12.336 | 12.333 | -0.003 |
| 22 | 3 | LDR-Unbiased | 12.378 | 12.719 | 0.341 |
| 23 | 3 | LDR-Unbiased | 12.771 | 12.684 | -0.087 |
| 25 | 3 | LDR-Unbiased | 12.761 | 12.248 | -0.513 |
| 26 | 3 | LDR-Unbiased | 12.447 | 12.453 | 0.006 |
| 27 | 3 | LDR-Unbiased | 12.433 | 12.768 | 0.335 |
| 46 | 10 | LDR-Biased | 12.655 | 12.353 | -0.302 |
| 48 | 10 | LDR-Biased | 12.745 | 12.794 | 0.049 |
| 49 | 10 | LDR-Biased | 12.594 | 12.579 | -0.015 |
| 50 | 10 | LDR-Biased | 12.673 | 12.378 | -0.295 |
| 51 | 10 | LDR-Biased | 12.336 | 12.361 | 0.025 |
| 52 | 10 | LDR-Unbiased | 12.378 | 12.709 | 0.331 |
| 53 | 10 | LDR-Unbiased | 12.771 | 12.694 | -0.077 |
| 55 | 10 | LDR-Unbiased | 12.761 | 12.125 | -0.636 |
| 56 | 10 | LDR-Unbiased | 12.447 | 12.455 | 0.008 |
| 57 | 10 | LDR-Unbiased | 12.433 | 12.767 | 0.334 |
| 76 | 30 | LDR-Biased | 12.655 | 12.405 | -0.25 |
| 78 | 30 | LDR-Biased | 12.745 | 12.74 | -0.005 |
| 79 | 30 | LDR-Biased | 12.594 | 12.556 | -0.038 |
| 80 | 30 | LDR-Biased | 12.673 | 12.37 | -0.303 |
| 81 | 30 | LDR-Biased | 12.336 | 12.443 | 0.107 |
| 82 | 30 | LDR-Unbiased | 12.378 | 12.705 | 0.327 |
| 83 | 30 | LDR-Unbiased | 12.771 | 12.732 | -0.039 |
| 84 | 30 | LDR-Unbiased | 12.433 | 12.829 | 0.396 |
| 85 | 30 | LDR-Unbiased | 12.761 | 12.224 | -0.537 |
| 86 | 30 | LDR-Unbiased | 12.447 | 12.493 | 0.046 |
| 87 | 100 | LDR-Biased | 12.477 | 12.452 | -0.025 |
| 88 | 100 | LDR-Biased | 12.797 | 12.647 | -0.15 |
| 90 | 100 | LDR-Biased | 12.744 | 12.646 | -0.098 |
| 91 | 100 | LDR-Unbiased | 12.378 | 12.489 | 0.111 |
| 93 | 100 | LDR-Unbiased | 12.338 | 12.398 | 0.06 |
| 94 | 100 | LDR-Unbiased | 12.795 | 12.33 | -0.465 |
| 95 | 100 | LDR-Unbiased | 12.764 | 12.509 | -0.255 |
| 96 | 100 | LDR-Unbiased | 12.578 | 12.394 | -0.184 |
| 106 | 50 | LDR-Biased | 12.655 | 12.395 | -0.26 |
| 108 | 50 | LDR-Biased | 12.745 | 12.706 | -0.039 |
| 109 | 50 | LDR-Biased | 12.594 | 12.508 | -0.086 |
| 110 | 50 | LDR-Biased | 12.673 | 12.401 | -0.272 |
| 111 | 50 | LDR-Biased | 12.336 | 12.459 | 0.123 |
| 112 | 50 | LDR-Unbiased | 12.378 | 12.724 | 0.346 |
| 113 | 50 | LDR-Unbiased | 12.771 | 12.652 | -0.119 |
| 115 | 50 | LDR-Unbiased | 12.761 | 12.176 | -0.585 |
| 116 | 50 | LDR-Unbiased | 12.447 | 12.47 | 0.023 |
| 117 | 50 | LDR-Unbiased | 12.433 | 12.781 | 0.348 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.393 | 12.52 | 12.646 | 0.1789 | 12.393 | 12.52 | 12.646 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.336 | 12.579 | 12.771 | 0.16686 | 12.248 | 12.529 | 12.768 | 0.19571 | -0.513 | -0.0503 | 0.341 | 0.26723 |
| 10 | 12.336 | 12.579 | 12.771 | 0.16686 | 12.125 | 12.521 | 12.794 | 0.22089 | -0.636 | -0.0578 | 0.334 | 0.29433 |
| 30 | 12.336 | 12.579 | 12.771 | 0.16686 | 12.224 | 12.55 | 12.829 | 0.19594 | -0.537 | -0.0296 | 0.396 | 0.2817 |
| 50 | 12.336 | 12.579 | 12.771 | 0.16686 | 12.176 | 12.527 | 12.781 | 0.1873 | -0.585 | -0.0521 | 0.348 | 0.28601 |
| 100 | 12.338 | 12.609 | 12.797 | 0.19175 | 12.33 | 12.483 | 12.647 | 0.11569 | -0.465 | -0.12575 | 0.111 | 0.1841 |

# Device Test: 5.64 tdly_Res619K_PWRGD_SU/PWRGD/1.6/3/619K/0/0/@DLY_TMR_500KOHM



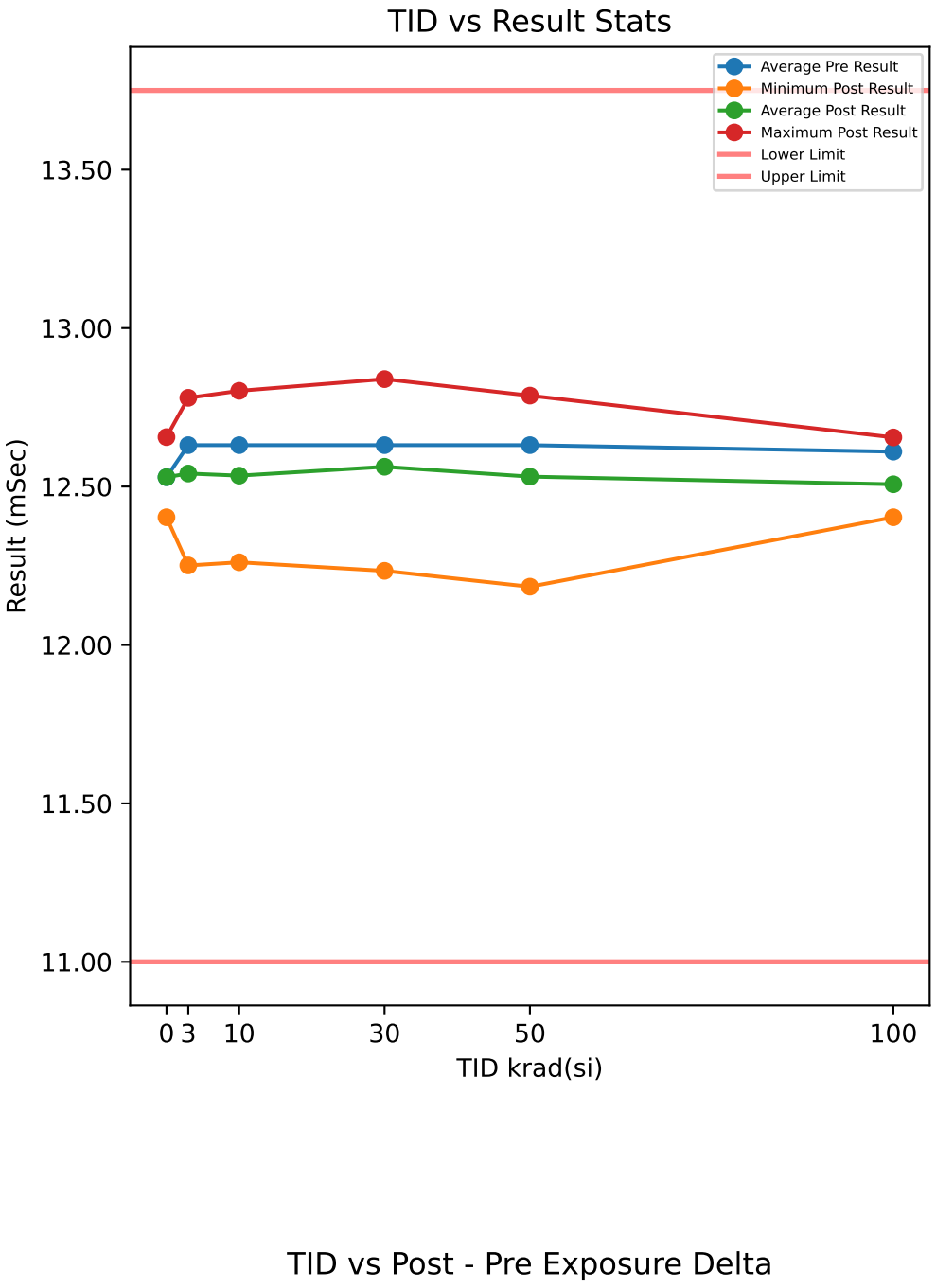

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

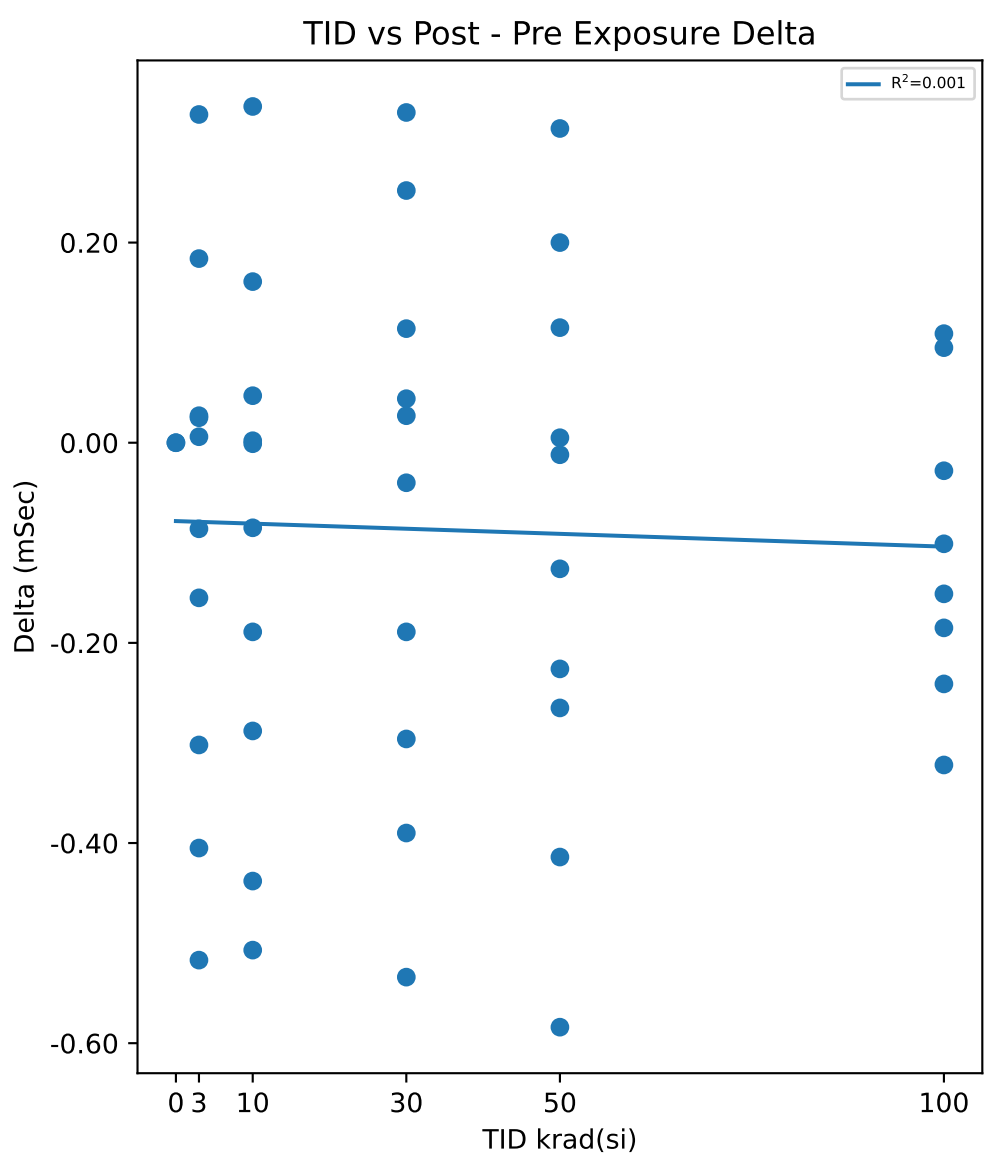
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.633 | 12.633 | 0 |
| 7 | 0 | Correlation | 12.387 | 12.387 | 0 |
| 16 | 3 | LDR-Biased | 12.785 | 12.384 | -0.401 |
| 18 | 3 | LDR-Biased | 12.74 | 12.768 | 0.028 |
| 19 | 3 | LDR-Biased | 12.734 | 12.578 | -0.156 |
| 20 | 3 | LDR-Biased | 12.669 | 12.359 | -0.31 |
| 21 | 3 | LDR-Biased | 12.331 | 12.357 | 0.026 |
| 22 | 3 | LDR-Unbiased | 12.371 | 12.714 | 0.343 |
| 23 | 3 | LDR-Unbiased | 12.767 | 12.679 | -0.088 |
| 25 | 3 | LDR-Unbiased | 12.757 | 12.229 | -0.528 |
| 26 | 3 | LDR-Unbiased | 12.442 | 12.447 | 0.005 |
| 27 | 3 | LDR-Unbiased | 12.575 | 12.745 | 0.17 |
| 46 | 10 | LDR-Biased | 12.785 | 12.373 | -0.412 |
| 48 | 10 | LDR-Biased | 12.74 | 12.787 | 0.047 |
| 49 | 10 | LDR-Biased | 12.734 | 12.559 | -0.175 |
| 50 | 10 | LDR-Biased | 12.669 | 12.243 | -0.426 |
| 51 | 10 | LDR-Biased | 12.331 | 12.369 | 0.038 |
| 52 | 10 | LDR-Unbiased | 12.371 | 12.706 | 0.335 |
| 53 | 10 | LDR-Unbiased | 12.767 | 12.661 | -0.106 |
| 55 | 10 | LDR-Unbiased | 12.757 | 12.225 | -0.532 |
| 56 | 10 | LDR-Unbiased | 12.442 | 12.467 | 0.025 |
| 57 | 10 | LDR-Unbiased | 12.575 | 12.751 | 0.176 |
| 76 | 30 | LDR-Biased | 12.785 | 12.267 | -0.518 |
| 78 | 30 | LDR-Biased | 12.74 | 12.767 | 0.027 |
| 79 | 30 | LDR-Biased | 12.734 | 12.544 | -0.19 |
| 80 | 30 | LDR-Biased | 12.669 | 12.338 | -0.331 |
| 81 | 30 | LDR-Biased | 12.331 | 12.469 | 0.138 |
| 82 | 30 | LDR-Unbiased | 12.371 | 12.699 | 0.328 |
| 83 | 30 | LDR-Unbiased | 12.767 | 12.727 | -0.04 |
| 84 | 30 | LDR-Unbiased | 12.575 | 12.819 | 0.244 |
| 85 | 30 | LDR-Unbiased | 12.757 | 12.205 | -0.552 |
| 86 | 30 | LDR-Unbiased | 12.442 | 12.356 | -0.086 |
| 87 | 100 | LDR-Biased | 12.473 | 12.448 | -0.025 |
| 88 | 100 | LDR-Biased | 12.791 | 12.64 | -0.151 |
| 90 | 100 | LDR-Biased | 12.737 | 12.641 | -0.096 |
| 91 | 100 | LDR-Unbiased | 12.363 | 12.482 | 0.119 |
| 93 | 100 | LDR-Unbiased | 12.321 | 12.389 | 0.068 |
| 94 | 100 | LDR-Unbiased | 12.791 | 12.454 | -0.337 |
| 95 | 100 | LDR-Unbiased | 12.757 | 12.476 | -0.281 |
| 96 | 100 | LDR-Unbiased | 12.573 | 12.388 | -0.185 |
| 106 | 50 | LDR-Biased | 12.785 | 12.374 | -0.411 |
| 108 | 50 | LDR-Biased | 12.74 | 12.704 | -0.036 |
| 109 | 50 | LDR-Biased | 12.734 | 12.51 | -0.224 |
| 110 | 50 | LDR-Biased | 12.669 | 12.374 | -0.295 |
| 111 | 50 | LDR-Biased | 12.331 | 12.483 | 0.152 |
| 112 | 50 | LDR-Unbiased | 12.371 | 12.718 | 0.347 |
| 113 | 50 | LDR-Unbiased | 12.767 | 12.615 | -0.152 |
| 115 | 50 | LDR-Unbiased | 12.757 | 12.163 | -0.594 |
| 116 | 50 | LDR-Unbiased | 12.442 | 12.466 | 0.024 |
| 117 | 50 | LDR-Unbiased | 12.575 | 12.774 | 0.199 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.387 | 12.51 | 12.633 | 0.17395 | 12.387 | 12.51 | 12.633 | 0.17395 | 0 | 0 | 0 | 0 |
| 3 | 12.331 | 12.617 | 12.785 | 0.17529 | 12.229 | 12.526 | 12.768 | 0.19409 | -0.528 | -0.0911 | 0.343 | 0.26516 |
| 10 | 12.331 | 12.617 | 12.785 | 0.17529 | 12.225 | 12.514 | 12.787 | 0.20851 | -0.532 | -0.103 | 0.335 | 0.28235 |
| 30 | 12.331 | 12.617 | 12.785 | 0.17529 | 12.205 | 12.519 | 12.819 | 0.22403 | -0.552 | -0.098 | 0.328 | 0.30158 |
| 50 | 12.331 | 12.617 | 12.785 | 0.17529 | 12.163 | 12.518 | 12.774 | 0.18887 | -0.594 | -0.099 | 0.347 | 0.29232 |
| 100 | 12.321 | 12.601 | 12.791 | 0.19539 | 12.388 | 12.49 | 12.641 | 0.099445 | -0.337 | -0.111 | 0.119 | 0.16018 |

# Device Test: 5.65 tdly_Res619K_EN1_SD/EN1/1.6/3/619K/0/0/@DLY_TMR_500KOHM



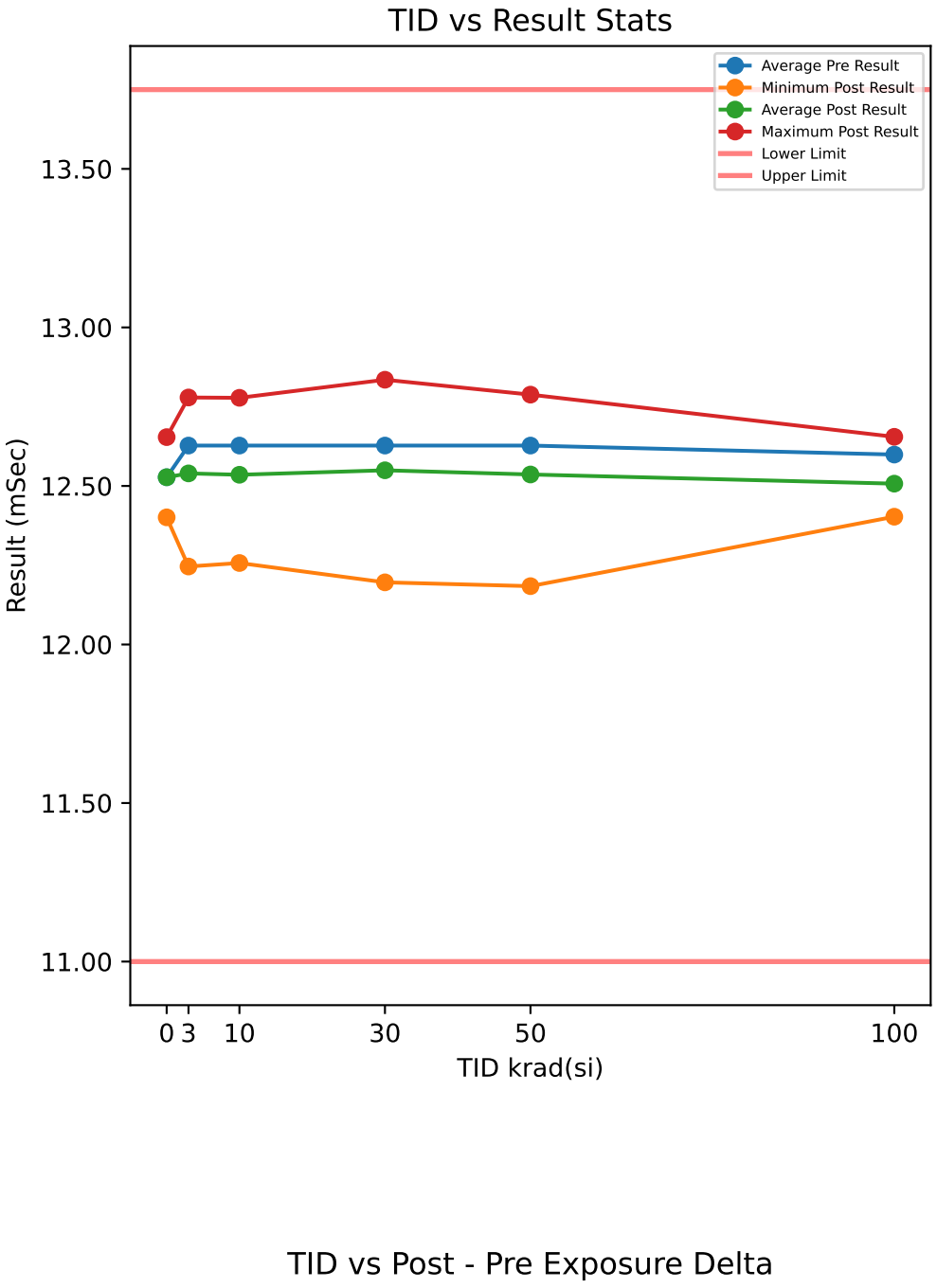

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

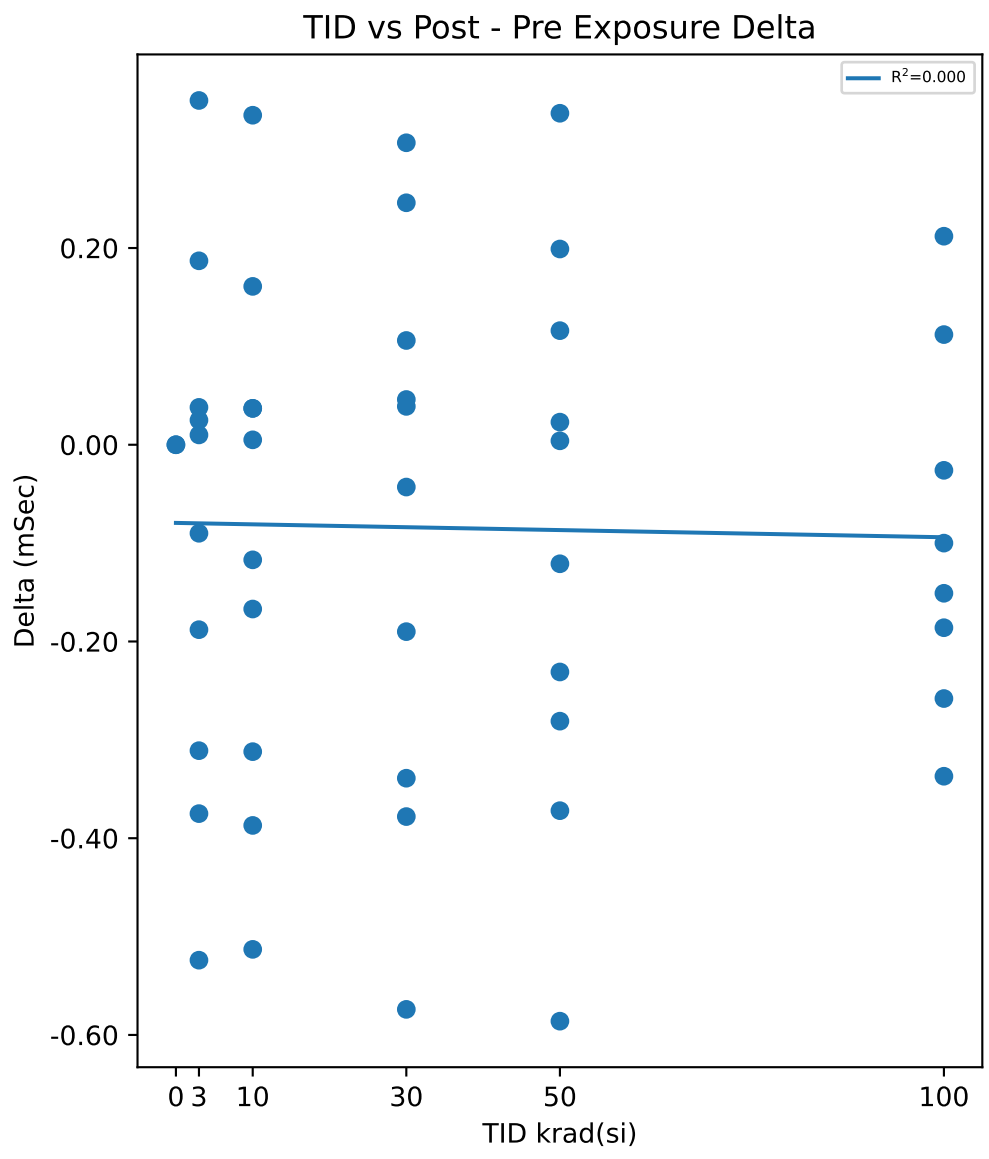
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.656 | 12.656 | 0 |
| 7 | 0 | Correlation | 12.403 | 12.403 | 0 |
| 16 | 3 | LDR-Biased | 12.803 | 12.398 | -0.405 |
| 18 | 3 | LDR-Biased | 12.755 | 12.78 | 0.025 |
| 19 | 3 | LDR-Biased | 12.75 | 12.595 | -0.155 |
| 20 | 3 | LDR-Biased | 12.676 | 12.374 | -0.302 |
| 21 | 3 | LDR-Biased | 12.345 | 12.372 | 0.027 |
| 22 | 3 | LDR-Unbiased | 12.383 | 12.711 | 0.328 |
| 23 | 3 | LDR-Unbiased | 12.78 | 12.694 | -0.086 |
| 25 | 3 | LDR-Unbiased | 12.768 | 12.251 | -0.517 |
| 26 | 3 | LDR-Unbiased | 12.459 | 12.465 | 0.006 |
| 27 | 3 | LDR-Unbiased | 12.587 | 12.771 | 0.184 |
| 46 | 10 | LDR-Biased | 12.803 | 12.365 | -0.438 |
| 48 | 10 | LDR-Biased | 12.755 | 12.802 | 0.047 |
| 49 | 10 | LDR-Biased | 12.75 | 12.561 | -0.189 |
| 50 | 10 | LDR-Biased | 12.676 | 12.388 | -0.288 |
| 51 | 10 | LDR-Biased | 12.345 | 12.347 | 0.002 |
| 52 | 10 | LDR-Unbiased | 12.383 | 12.719 | 0.336 |
| 53 | 10 | LDR-Unbiased | 12.78 | 12.695 | -0.085 |
| 55 | 10 | LDR-Unbiased | 12.768 | 12.261 | -0.507 |
| 56 | 10 | LDR-Unbiased | 12.459 | 12.458 | -0.001 |
| 57 | 10 | LDR-Unbiased | 12.587 | 12.748 | 0.161 |
| 76 | 30 | LDR-Biased | 12.803 | 12.413 | -0.39 |
| 78 | 30 | LDR-Biased | 12.755 | 12.782 | 0.027 |
| 79 | 30 | LDR-Biased | 12.75 | 12.561 | -0.189 |
| 80 | 30 | LDR-Biased | 12.676 | 12.38 | -0.296 |
| 81 | 30 | LDR-Biased | 12.345 | 12.459 | 0.114 |
| 82 | 30 | LDR-Unbiased | 12.383 | 12.713 | 0.33 |
| 83 | 30 | LDR-Unbiased | 12.78 | 12.74 | -0.04 |
| 84 | 30 | LDR-Unbiased | 12.587 | 12.839 | 0.252 |
| 85 | 30 | LDR-Unbiased | 12.768 | 12.234 | -0.534 |
| 86 | 30 | LDR-Unbiased | 12.459 | 12.503 | 0.044 |
| 87 | 100 | LDR-Biased | 12.488 | 12.46 | -0.028 |
| 88 | 100 | LDR-Biased | 12.806 | 12.655 | -0.151 |
| 90 | 100 | LDR-Biased | 12.756 | 12.655 | -0.101 |
| 91 | 100 | LDR-Unbiased | 12.386 | 12.495 | 0.109 |
| 93 | 100 | LDR-Unbiased | 12.309 | 12.404 | 0.095 |
| 94 | 100 | LDR-Unbiased | 12.791 | 12.469 | -0.322 |
| 95 | 100 | LDR-Unbiased | 12.757 | 12.516 | -0.241 |
| 96 | 100 | LDR-Unbiased | 12.588 | 12.403 | -0.185 |
| 106 | 50 | LDR-Biased | 12.803 | 12.389 | -0.414 |
| 108 | 50 | LDR-Biased | 12.755 | 12.743 | -0.012 |
| 109 | 50 | LDR-Biased | 12.75 | 12.524 | -0.226 |
| 110 | 50 | LDR-Biased | 12.676 | 12.411 | -0.265 |
| 111 | 50 | LDR-Biased | 12.345 | 12.46 | 0.115 |
| 112 | 50 | LDR-Unbiased | 12.383 | 12.697 | 0.314 |
| 113 | 50 | LDR-Unbiased | 12.78 | 12.654 | -0.126 |
| 115 | 50 | LDR-Unbiased | 12.768 | 12.184 | -0.584 |
| 116 | 50 | LDR-Unbiased | 12.459 | 12.464 | 0.005 |
| 117 | 50 | LDR-Unbiased | 12.587 | 12.787 | 0.2 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.403 | 12.53 | 12.656 | 0.1789 | 12.403 | 12.53 | 12.656 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.345 | 12.631 | 12.803 | 0.17542 | 12.251 | 12.541 | 12.78 | 0.19207 | -0.517 | -0.0895 | 0.328 | 0.26176 |
| 10 | 12.345 | 12.631 | 12.803 | 0.17542 | 12.261 | 12.534 | 12.802 | 0.1954 | -0.507 | -0.0962 | 0.336 | 0.26316 |
| 30 | 12.345 | 12.631 | 12.803 | 0.17542 | 12.234 | 12.562 | 12.839 | 0.19906 | -0.534 | -0.0682 | 0.33 | 0.27963 |
| 50 | 12.345 | 12.631 | 12.803 | 0.17542 | 12.184 | 12.531 | 12.787 | 0.18789 | -0.584 | -0.0993 | 0.314 | 0.27949 |
| 100 | 12.309 | 12.61 | 12.806 | 0.19649 | 12.403 | 12.507 | 12.655 | 0.099363 | -0.322 | -0.103 | 0.109 | 0.15391 |

# Device Test: 5.66 tdly_Res619K_EN2_SD/EN2/1.6/3/619K/0/0/@DLY_TMR_500KOHM



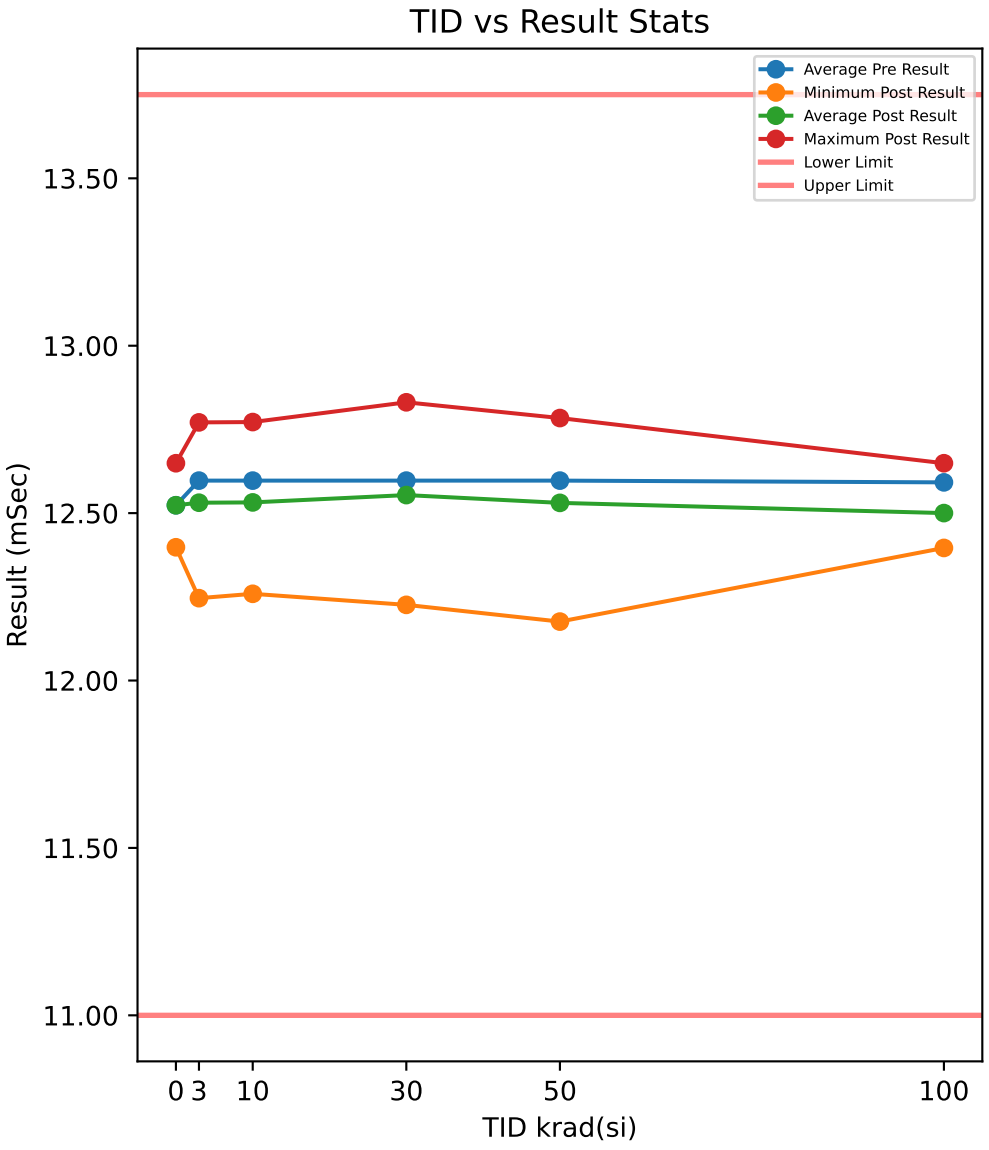

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

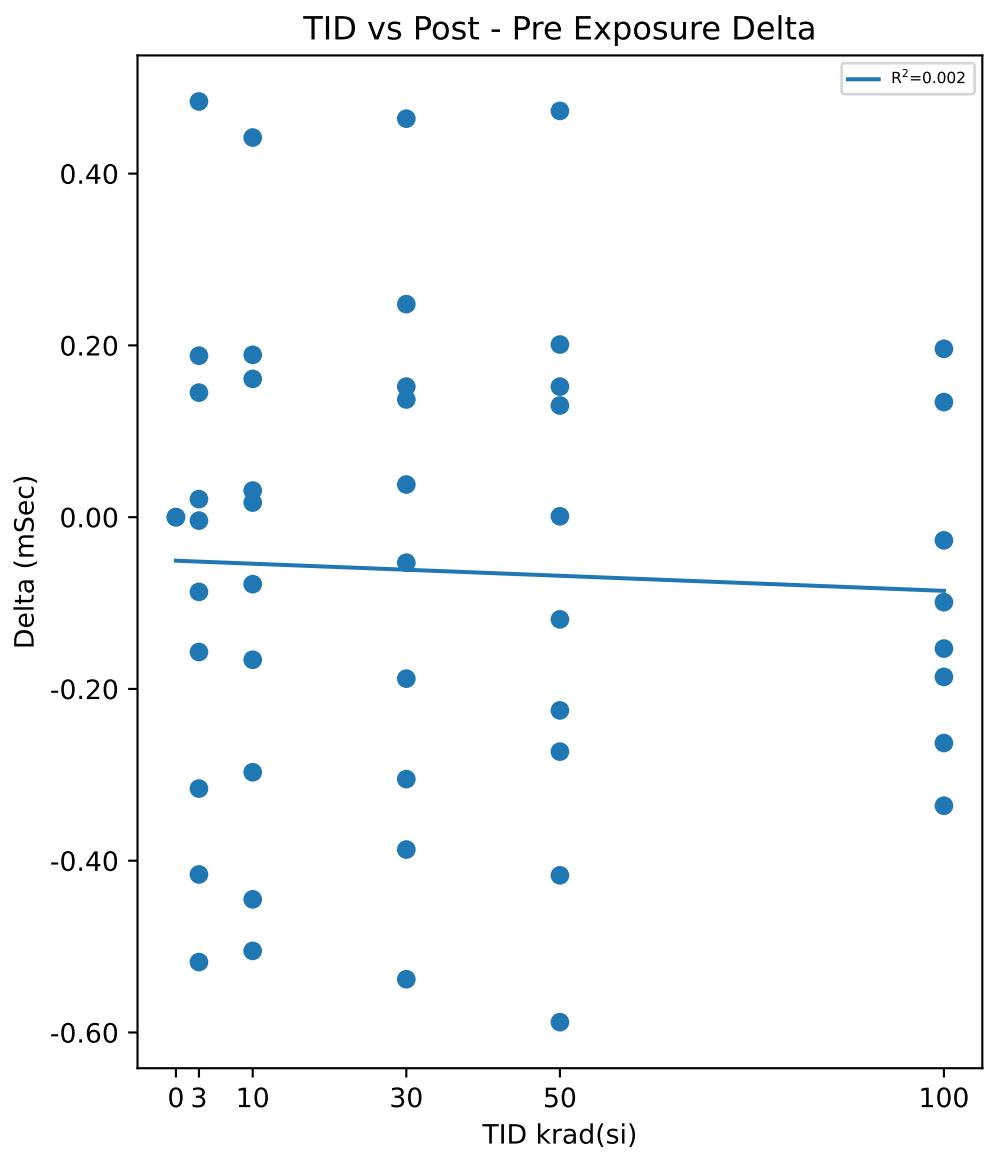
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.654 | 12.654 | 0 |
| 7 | 0 | Correlation | 12.401 | 12.401 | 0 |
| 16 | 3 | LDR-Biased | 12.774 | 12.399 | -0.375 |
| 18 | 3 | LDR-Biased | 12.741 | 12.779 | 0.038 |
| 19 | 3 | LDR-Biased | 12.753 | 12.565 | -0.188 |
| 20 | 3 | LDR-Biased | 12.684 | 12.373 | -0.311 |
| 21 | 3 | LDR-Biased | 12.347 | 12.372 | 0.025 |
| 22 | 3 | LDR-Unbiased | 12.379 | 12.729 | 0.35 |
| 23 | 3 | LDR-Unbiased | 12.782 | 12.692 | -0.09 |
| 25 | 3 | LDR-Unbiased | 12.77 | 12.246 | -0.524 |
| 26 | 3 | LDR-Unbiased | 12.455 | 12.465 | 0.01 |
| 27 | 3 | LDR-Unbiased | 12.589 | 12.776 | 0.187 |
| 46 | 10 | LDR-Biased | 12.774 | 12.387 | -0.387 |
| 48 | 10 | LDR-Biased | 12.741 | 12.778 | 0.037 |
| 49 | 10 | LDR-Biased | 12.753 | 12.586 | -0.167 |
| 50 | 10 | LDR-Biased | 12.684 | 12.372 | -0.312 |
| 51 | 10 | LDR-Biased | 12.347 | 12.384 | 0.037 |
| 52 | 10 | LDR-Unbiased | 12.379 | 12.714 | 0.335 |
| 53 | 10 | LDR-Unbiased | 12.782 | 12.665 | -0.117 |
| 55 | 10 | LDR-Unbiased | 12.77 | 12.257 | -0.513 |
| 56 | 10 | LDR-Unbiased | 12.455 | 12.46 | 0.005 |
| 57 | 10 | LDR-Unbiased | 12.589 | 12.75 | 0.161 |
| 76 | 30 | LDR-Biased | 12.774 | 12.396 | -0.378 |
| 78 | 30 | LDR-Biased | 12.741 | 12.78 | 0.039 |
| 79 | 30 | LDR-Biased | 12.753 | 12.563 | -0.19 |
| 80 | 30 | LDR-Biased | 12.684 | 12.345 | -0.339 |
| 81 | 30 | LDR-Biased | 12.347 | 12.453 | 0.106 |
| 82 | 30 | LDR-Unbiased | 12.379 | 12.686 | 0.307 |
| 83 | 30 | LDR-Unbiased | 12.782 | 12.739 | -0.043 |
| 84 | 30 | LDR-Unbiased | 12.589 | 12.835 | 0.246 |
| 85 | 30 | LDR-Unbiased | 12.77 | 12.196 | -0.574 |
| 86 | 30 | LDR-Unbiased | 12.455 | 12.501 | 0.046 |
| 87 | 100 | LDR-Biased | 12.486 | 12.46 | -0.026 |
| 88 | 100 | LDR-Biased | 12.805 | 12.654 | -0.151 |
| 90 | 100 | LDR-Biased | 12.755 | 12.655 | -0.1 |
| 91 | 100 | LDR-Unbiased | 12.386 | 12.498 | 0.112 |
| 93 | 100 | LDR-Unbiased | 12.193 | 12.405 | 0.212 |
| 94 | 100 | LDR-Unbiased | 12.805 | 12.468 | -0.337 |
| 95 | 100 | LDR-Unbiased | 12.773 | 12.515 | -0.258 |
| 96 | 100 | LDR-Unbiased | 12.589 | 12.403 | -0.186 |
| 106 | 50 | LDR-Biased | 12.774 | 12.402 | -0.372 |
| 108 | 50 | LDR-Biased | 12.741 | 12.745 | 0.004 |
| 109 | 50 | LDR-Biased | 12.753 | 12.522 | -0.231 |
| 110 | 50 | LDR-Biased | 12.684 | 12.403 | -0.281 |
| 111 | 50 | LDR-Biased | 12.347 | 12.463 | 0.116 |
| 112 | 50 | LDR-Unbiased | 12.379 | 12.716 | 0.337 |
| 113 | 50 | LDR-Unbiased | 12.782 | 12.661 | -0.121 |
| 115 | 50 | LDR-Unbiased | 12.77 | 12.184 | -0.586 |
| 116 | 50 | LDR-Unbiased | 12.455 | 12.478 | 0.023 |
| 117 | 50 | LDR-Unbiased | 12.589 | 12.788 | 0.199 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.401 | 12.527 | 12.654 | 0.1789 | 12.401 | 12.527 | 12.654 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.347 | 12.627 | 12.782 | 0.17293 | 12.246 | 12.54 | 12.779 | 0.19446 | -0.524 | -0.0878 | 0.35 | 0.26623 |
| 10 | 12.347 | 12.627 | 12.782 | 0.17293 | 12.257 | 12.535 | 12.778 | 0.18589 | -0.513 | -0.0921 | 0.335 | 0.2599 |
| 30 | 12.347 | 12.627 | 12.782 | 0.17293 | 12.196 | 12.549 | 12.835 | 0.20853 | -0.574 | -0.078 | 0.307 | 0.28558 |
| 50 | 12.347 | 12.627 | 12.782 | 0.17293 | 12.184 | 12.536 | 12.788 | 0.18963 | -0.586 | -0.0912 | 0.337 | 0.28141 |
| 100 | 12.193 | 12.599 | 12.805 | 0.22758 | 12.403 | 12.507 | 12.655 | 0.099 | -0.337 | -0.09175 | 0.212 | 0.18453 |

# Device Test: 5.67 tdly_Res619K_EN3_SD/EN3/1.6/3/619K/0/0/@DLY_TMR_500KOHM



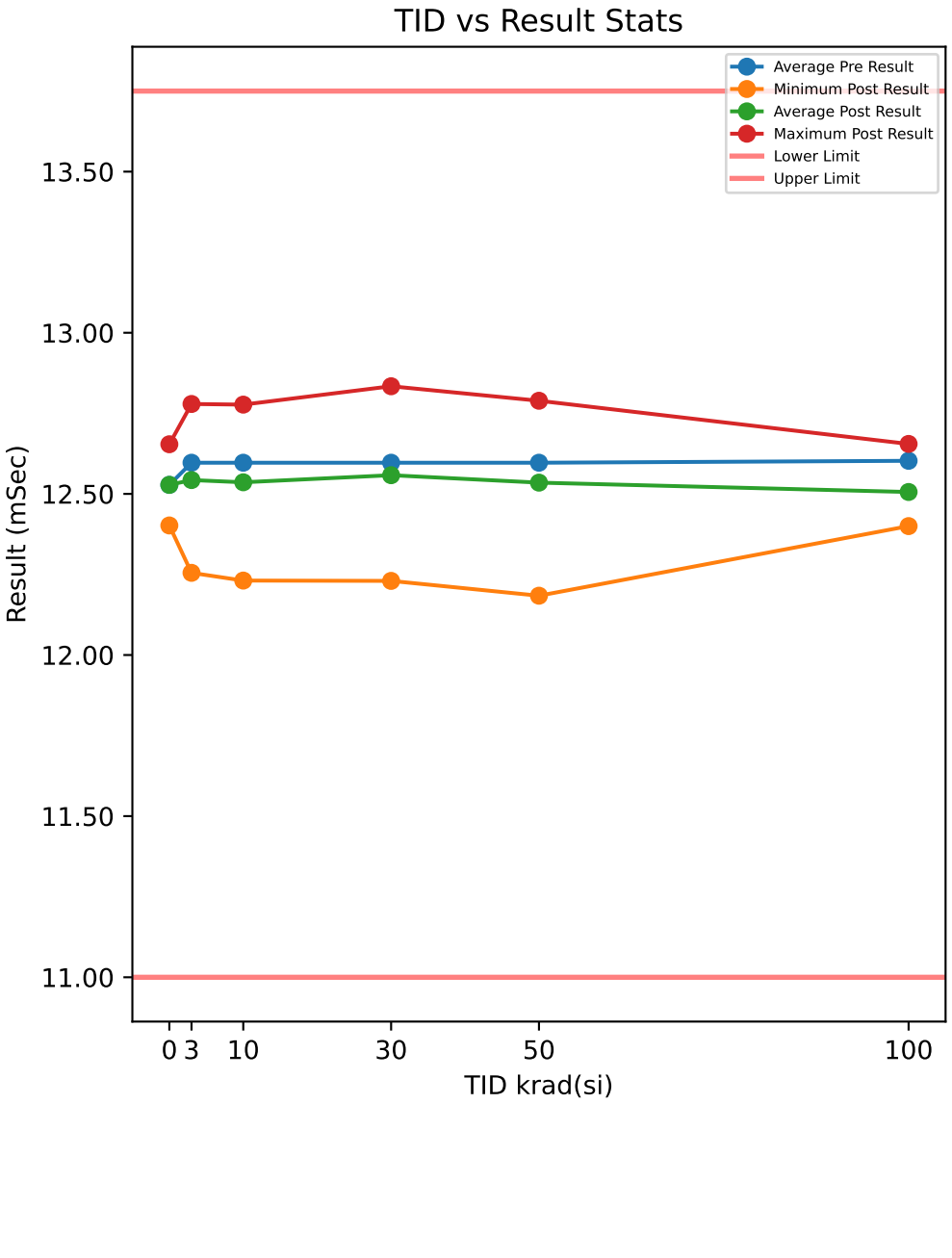

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

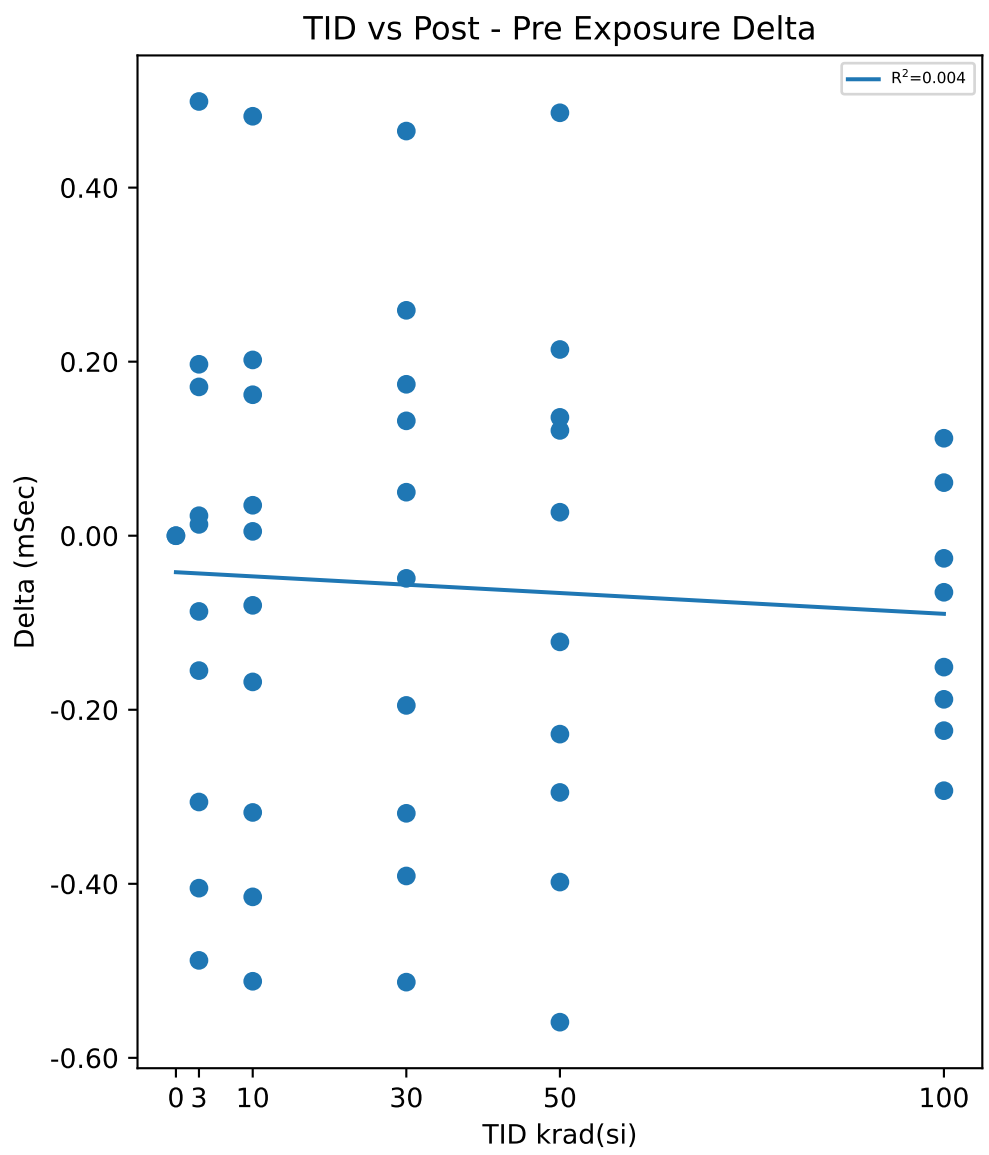
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.649 | 12.649 | 0 |
| 7 | 0 | Correlation | 12.398 | 12.398 | 0 |
| 16 | 3 | LDR-Biased | 12.795 | 12.379 | -0.416 |
| 18 | 3 | LDR-Biased | 12.738 | 12.759 | 0.021 |
| 19 | 3 | LDR-Biased | 12.746 | 12.589 | -0.157 |
| 20 | 3 | LDR-Biased | 12.678 | 12.362 | -0.316 |
| 21 | 3 | LDR-Biased | 12.339 | 12.335 | -0.004 |
| 22 | 3 | LDR-Unbiased | 12.238 | 12.722 | 0.484 |
| 23 | 3 | LDR-Unbiased | 12.775 | 12.688 | -0.087 |
| 25 | 3 | LDR-Unbiased | 12.764 | 12.246 | -0.518 |
| 26 | 3 | LDR-Unbiased | 12.315 | 12.46 | 0.145 |
| 27 | 3 | LDR-Unbiased | 12.583 | 12.771 | 0.188 |
| 46 | 10 | LDR-Biased | 12.795 | 12.35 | -0.445 |
| 48 | 10 | LDR-Biased | 12.738 | 12.769 | 0.031 |
| 49 | 10 | LDR-Biased | 12.746 | 12.58 | -0.166 |
| 50 | 10 | LDR-Biased | 12.678 | 12.381 | -0.297 |
| 51 | 10 | LDR-Biased | 12.339 | 12.356 | 0.017 |
| 52 | 10 | LDR-Unbiased | 12.238 | 12.68 | 0.442 |
| 53 | 10 | LDR-Unbiased | 12.775 | 12.697 | -0.078 |
| 55 | 10 | LDR-Unbiased | 12.764 | 12.259 | -0.505 |
| 56 | 10 | LDR-Unbiased | 12.315 | 12.476 | 0.161 |
| 57 | 10 | LDR-Unbiased | 12.583 | 12.772 | 0.189 |
| 76 | 30 | LDR-Biased | 12.795 | 12.408 | -0.387 |
| 78 | 30 | LDR-Biased | 12.738 | 12.776 | 0.038 |
| 79 | 30 | LDR-Biased | 12.746 | 12.558 | -0.188 |
| 80 | 30 | LDR-Biased | 12.678 | 12.373 | -0.305 |
| 81 | 30 | LDR-Biased | 12.339 | 12.476 | 0.137 |
| 82 | 30 | LDR-Unbiased | 12.238 | 12.702 | 0.464 |
| 83 | 30 | LDR-Unbiased | 12.775 | 12.722 | -0.053 |
| 84 | 30 | LDR-Unbiased | 12.583 | 12.831 | 0.248 |
| 85 | 30 | LDR-Unbiased | 12.764 | 12.226 | -0.538 |
| 86 | 30 | LDR-Unbiased | 12.315 | 12.467 | 0.152 |
| 87 | 100 | LDR-Biased | 12.481 | 12.454 | -0.027 |
| 88 | 100 | LDR-Biased | 12.801 | 12.648 | -0.153 |
| 90 | 100 | LDR-Biased | 12.748 | 12.649 | -0.099 |
| 91 | 100 | LDR-Unbiased | 12.356 | 12.49 | 0.134 |
| 93 | 100 | LDR-Unbiased | 12.203 | 12.399 | 0.196 |
| 94 | 100 | LDR-Unbiased | 12.797 | 12.461 | -0.336 |
| 95 | 100 | LDR-Unbiased | 12.767 | 12.504 | -0.263 |
| 96 | 100 | LDR-Unbiased | 12.582 | 12.396 | -0.186 |
| 106 | 50 | LDR-Biased | 12.795 | 12.378 | -0.417 |
| 108 | 50 | LDR-Biased | 12.738 | 12.739 | 0.001 |
| 109 | 50 | LDR-Biased | 12.746 | 12.521 | -0.225 |
| 110 | 50 | LDR-Biased | 12.678 | 12.405 | -0.273 |
| 111 | 50 | LDR-Biased | 12.339 | 12.491 | 0.152 |
| 112 | 50 | LDR-Unbiased | 12.238 | 12.711 | 0.473 |
| 113 | 50 | LDR-Unbiased | 12.775 | 12.656 | -0.119 |
| 115 | 50 | LDR-Unbiased | 12.764 | 12.176 | -0.588 |
| 116 | 50 | LDR-Unbiased | 12.315 | 12.445 | 0.13 |
| 117 | 50 | LDR-Unbiased | 12.583 | 12.784 | 0.201 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.398 | 12.523 | 12.649 | 0.17748 | 12.398 | 12.523 | 12.649 | 0.17748 | 0 | 0 | 0 | 0 |
| 3 | 12.238 | 12.597 | 12.795 | 0.21669 | 12.246 | 12.531 | 12.771 | 0.19732 | -0.518 | -0.066 | 0.484 | 0.30203 |
| 10 | 12.238 | 12.597 | 12.795 | 0.21669 | 12.259 | 12.532 | 12.772 | 0.19142 | -0.505 | -0.0651 | 0.442 | 0.29642 |
| 30 | 12.238 | 12.597 | 12.795 | 0.21669 | 12.226 | 12.554 | 12.831 | 0.19762 | -0.538 | -0.0432 | 0.464 | 0.31124 |
| 50 | 12.238 | 12.597 | 12.795 | 0.21669 | 12.176 | 12.531 | 12.784 | 0.1914 | -0.588 | -0.0665 | 0.473 | 0.31952 |
| 100 | 12.203 | 12.592 | 12.801 | 0.22681 | 12.396 | 12.5 | 12.649 | 0.099193 | -0.336 | -0.09175 | 0.196 | 0.18502 |

# Device Test: 5.68 tdly_Res619K_EN4_SD/EN4/1.6/3/619K/0/0/@DLY_TMR_500KOHM



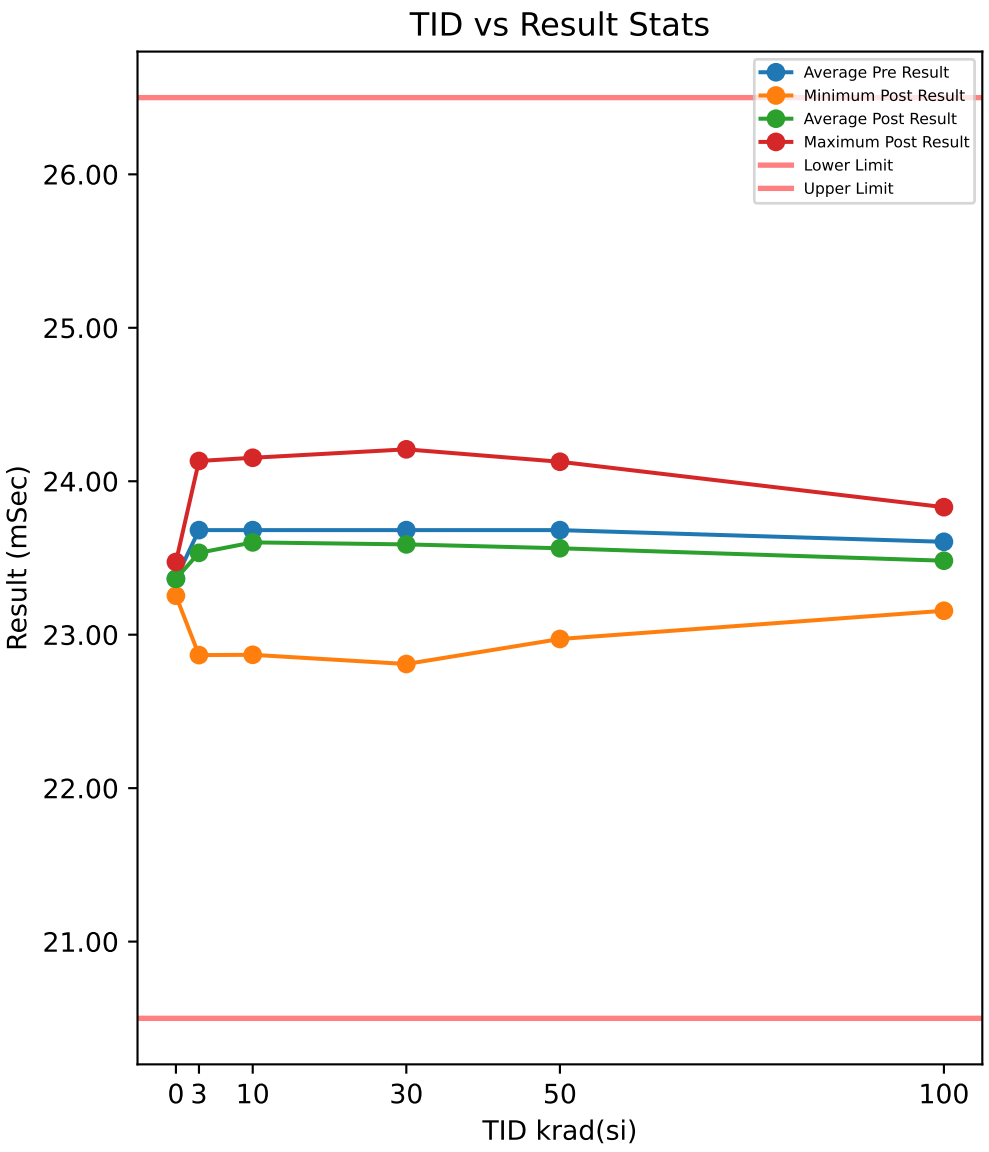

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

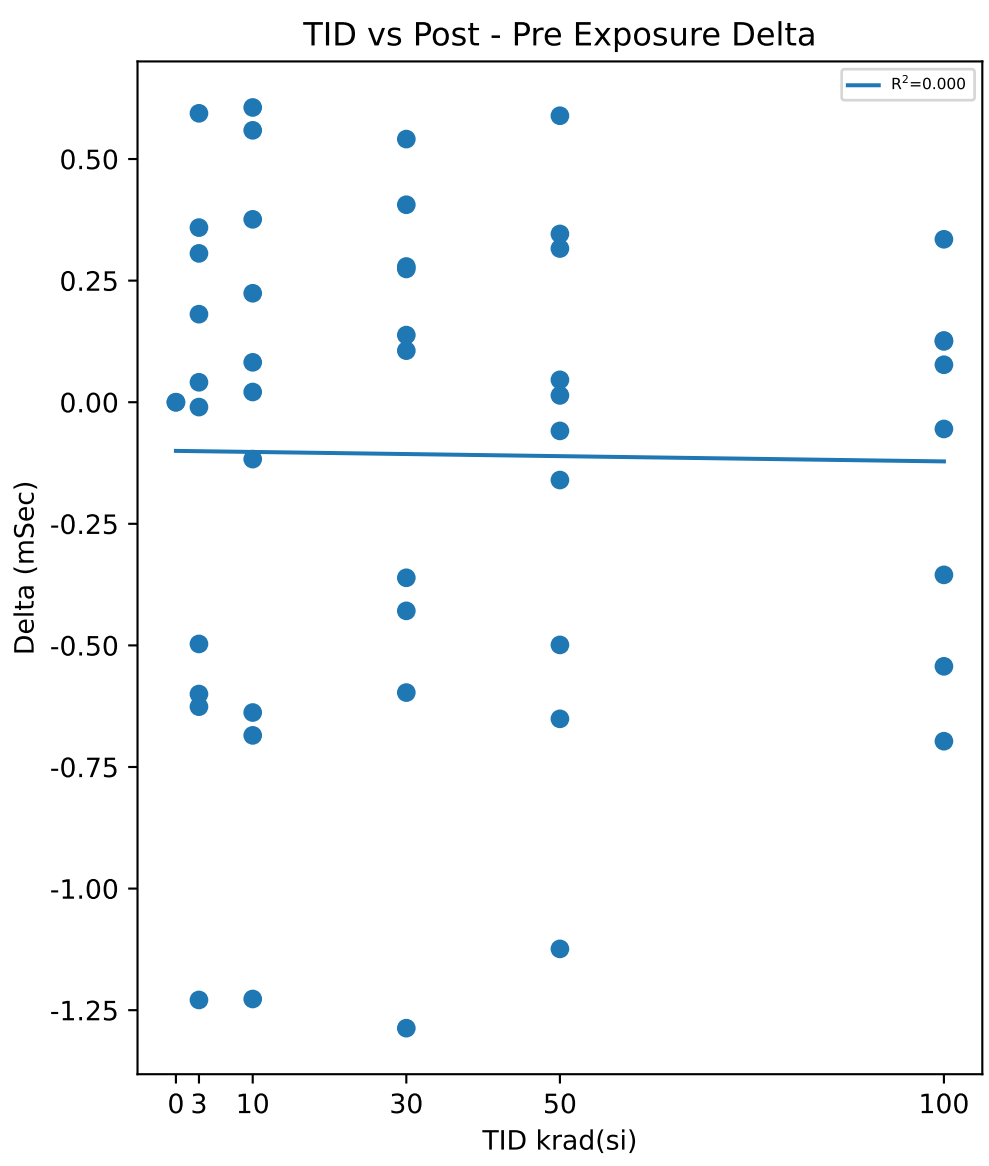
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.654 | 12.654 | 0 |
| 7 | 0 | Correlation | 12.402 | 12.402 | 0 |
| 16 | 3 | LDR-Biased | 12.801 | 12.396 | -0.405 |
| 18 | 3 | LDR-Biased | 12.608 | 12.779 | 0.171 |
| 19 | 3 | LDR-Biased | 12.751 | 12.596 | -0.155 |
| 20 | 3 | LDR-Biased | 12.679 | 12.373 | -0.306 |
| 21 | 3 | LDR-Biased | 12.347 | 12.37 | 0.023 |
| 22 | 3 | LDR-Unbiased | 12.23 | 12.729 | 0.499 |
| 23 | 3 | LDR-Unbiased | 12.781 | 12.694 | -0.087 |
| 25 | 3 | LDR-Unbiased | 12.743 | 12.255 | -0.488 |
| 26 | 3 | LDR-Unbiased | 12.452 | 12.465 | 0.013 |
| 27 | 3 | LDR-Unbiased | 12.575 | 12.772 | 0.197 |
| 46 | 10 | LDR-Biased | 12.801 | 12.386 | -0.415 |
| 48 | 10 | LDR-Biased | 12.608 | 12.77 | 0.162 |
| 49 | 10 | LDR-Biased | 12.751 | 12.583 | -0.168 |
| 50 | 10 | LDR-Biased | 12.679 | 12.361 | -0.318 |
| 51 | 10 | LDR-Biased | 12.347 | 12.382 | 0.035 |
| 52 | 10 | LDR-Unbiased | 12.23 | 12.712 | 0.482 |
| 53 | 10 | LDR-Unbiased | 12.781 | 12.701 | -0.08 |
| 55 | 10 | LDR-Unbiased | 12.743 | 12.231 | -0.512 |
| 56 | 10 | LDR-Unbiased | 12.452 | 12.457 | 0.005 |
| 57 | 10 | LDR-Unbiased | 12.575 | 12.777 | 0.202 |
| 76 | 30 | LDR-Biased | 12.801 | 12.41 | -0.391 |
| 78 | 30 | LDR-Biased | 12.608 | 12.782 | 0.174 |
| 79 | 30 | LDR-Biased | 12.751 | 12.556 | -0.195 |
| 80 | 30 | LDR-Biased | 12.679 | 12.36 | -0.319 |
| 81 | 30 | LDR-Biased | 12.347 | 12.479 | 0.132 |
| 82 | 30 | LDR-Unbiased | 12.23 | 12.695 | 0.465 |
| 83 | 30 | LDR-Unbiased | 12.781 | 12.732 | -0.049 |
| 84 | 30 | LDR-Unbiased | 12.575 | 12.834 | 0.259 |
| 85 | 30 | LDR-Unbiased | 12.743 | 12.23 | -0.513 |
| 86 | 30 | LDR-Unbiased | 12.452 | 12.502 | 0.05 |
| 87 | 100 | LDR-Biased | 12.485 | 12.459 | -0.026 |
| 88 | 100 | LDR-Biased | 12.804 | 12.653 | -0.151 |
| 90 | 100 | LDR-Biased | 12.72 | 12.655 | -0.065 |
| 91 | 100 | LDR-Unbiased | 12.385 | 12.497 | 0.112 |
| 93 | 100 | LDR-Unbiased | 12.343 | 12.404 | 0.061 |
| 94 | 100 | LDR-Unbiased | 12.761 | 12.468 | -0.293 |
| 95 | 100 | LDR-Unbiased | 12.735 | 12.511 | -0.224 |
| 96 | 100 | LDR-Unbiased | 12.588 | 12.4 | -0.188 |
| 106 | 50 | LDR-Biased | 12.801 | 12.403 | -0.398 |
| 108 | 50 | LDR-Biased | 12.608 | 12.744 | 0.136 |
| 109 | 50 | LDR-Biased | 12.751 | 12.523 | -0.228 |
| 110 | 50 | LDR-Biased | 12.679 | 12.384 | -0.295 |
| 111 | 50 | LDR-Biased | 12.347 | 12.468 | 0.121 |
| 112 | 50 | LDR-Unbiased | 12.23 | 12.716 | 0.486 |
| 113 | 50 | LDR-Unbiased | 12.781 | 12.659 | -0.122 |
| 115 | 50 | LDR-Unbiased | 12.743 | 12.184 | -0.559 |
| 116 | 50 | LDR-Unbiased | 12.452 | 12.479 | 0.027 |
| 117 | 50 | LDR-Unbiased | 12.575 | 12.789 | 0.214 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.402 | 12.528 | 12.654 | 0.17819 | 12.402 | 12.528 | 12.654 | 0.17819 | 0 | 0 | 0 | 0 |
| 3 | 12.23 | 12.597 | 12.801 | 0.19609 | 12.255 | 12.543 | 12.779 | 0.19374 | -0.488 | -0.0538 | 0.499 | 0.30115 |
| 10 | 12.23 | 12.597 | 12.801 | 0.19609 | 12.231 | 12.536 | 12.777 | 0.19702 | -0.512 | -0.0607 | 0.482 | 0.30439 |
| 30 | 12.23 | 12.597 | 12.801 | 0.19609 | 12.23 | 12.558 | 12.834 | 0.19818 | -0.513 | -0.0387 | 0.465 | 0.31212 |
| 50 | 12.23 | 12.597 | 12.801 | 0.19609 | 12.184 | 12.535 | 12.789 | 0.19077 | -0.559 | -0.0618 | 0.486 | 0.31666 |
| 100 | 12.343 | 12.603 | 12.804 | 0.17958 | 12.4 | 12.506 | 12.655 | 0.099433 | -0.293 | -0.09675 | 0.112 | 0.14165 |

# Device Test: 5.69 tdly_Res1p18M_EN1_SU/EN1/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



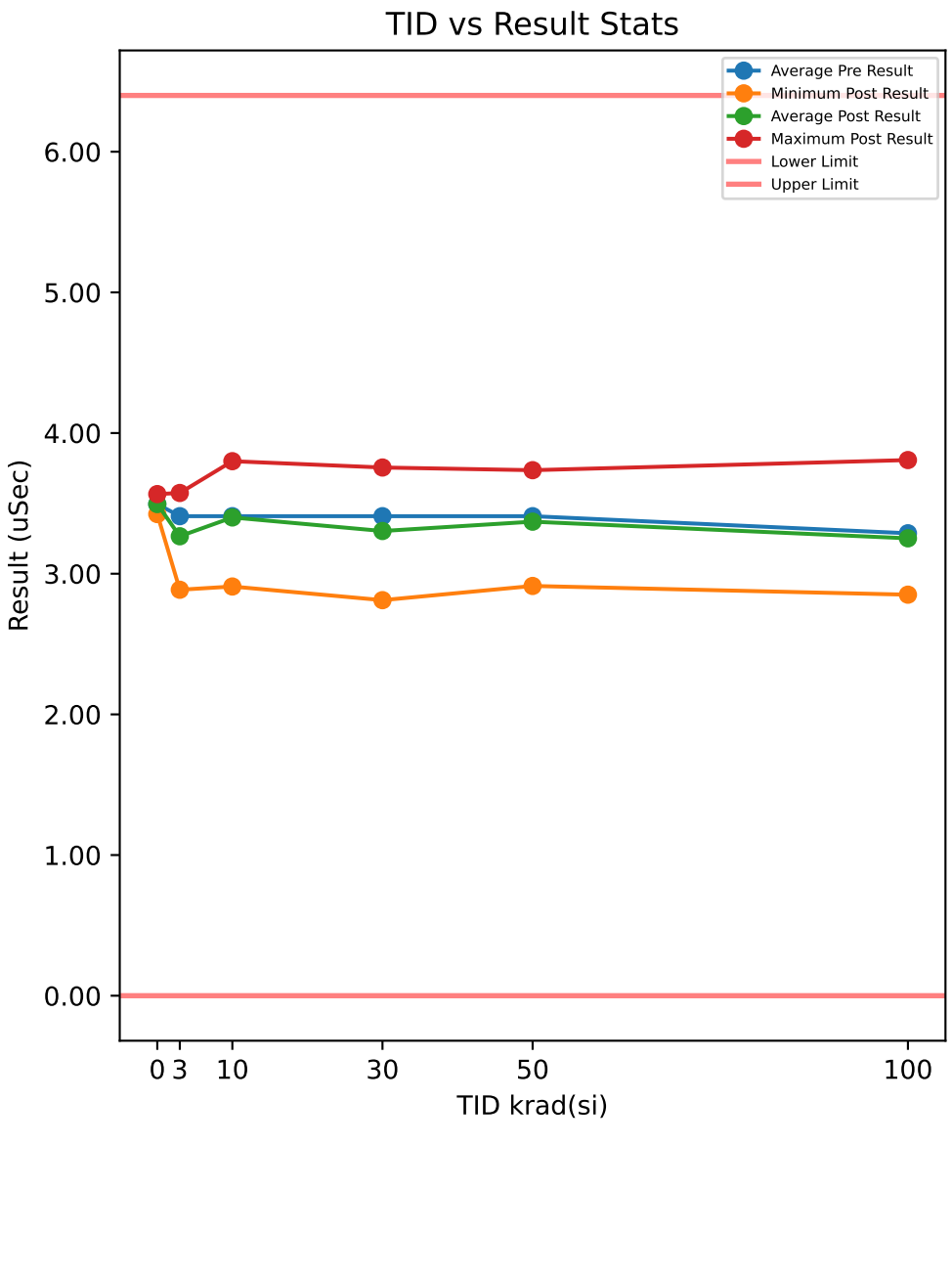

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

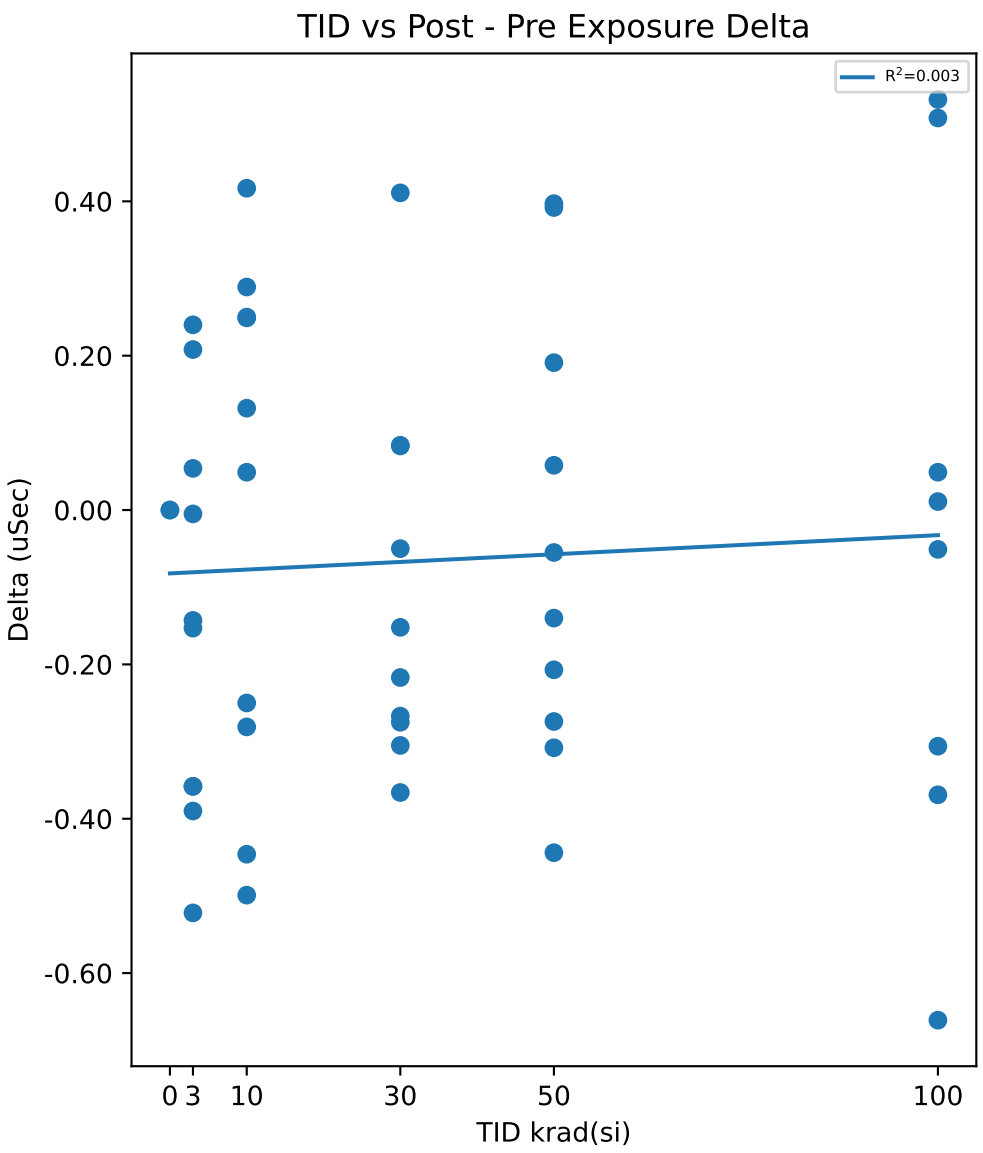
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.474 | 23.474 | 0 |
| 7 | 0 | Correlation | 23.254 | 23.254 | 0 |
| 16 | 3 | LDR-Biased | 24.042 | 23.416 | -0.626 |
| 18 | 3 | LDR-Biased | 23.69 | 24.049 | 0.359 |
| 19 | 3 | LDR-Biased | 24.204 | 23.604 | -0.6 |
| 20 | 3 | LDR-Biased | 23.554 | 23.057 | -0.497 |
| 21 | 3 | LDR-Biased | 23.103 | 23.093 | -0.01 |
| 22 | 3 | LDR-Unbiased | 23.364 | 23.67 | 0.306 |
| 23 | 3 | LDR-Unbiased | 23.929 | 24.11 | 0.181 |
| 25 | 3 | LDR-Unbiased | 24.096 | 22.867 | -1.229 |
| 26 | 3 | LDR-Unbiased | 23.295 | 23.336 | 0.041 |
| 27 | 3 | LDR-Unbiased | 23.538 | 24.132 | 0.594 |
| 46 | 10 | LDR-Biased | 24.042 | 23.357 | -0.685 |
| 48 | 10 | LDR-Biased | 23.69 | 24.066 | 0.376 |
| 49 | 10 | LDR-Biased | 24.204 | 23.566 | -0.638 |
| 50 | 10 | LDR-Biased | 23.554 | 23.437 | -0.117 |
| 51 | 10 | LDR-Biased | 23.103 | 23.124 | 0.021 |
| 52 | 10 | LDR-Unbiased | 23.364 | 23.923 | 0.559 |
| 53 | 10 | LDR-Unbiased | 23.929 | 24.153 | 0.224 |
| 55 | 10 | LDR-Unbiased | 24.096 | 22.869 | -1.227 |
| 56 | 10 | LDR-Unbiased | 23.295 | 23.377 | 0.082 |
| 57 | 10 | LDR-Unbiased | 23.538 | 24.144 | 0.606 |
| 76 | 30 | LDR-Biased | 24.042 | 23.445 | -0.597 |
| 78 | 30 | LDR-Biased | 23.69 | 23.828 | 0.138 |
| 79 | 30 | LDR-Biased | 24.204 | 23.843 | -0.361 |
| 80 | 30 | LDR-Biased | 23.554 | 23.125 | -0.429 |
| 81 | 30 | LDR-Biased | 23.103 | 23.377 | 0.274 |
| 82 | 30 | LDR-Unbiased | 23.364 | 23.905 | 0.541 |
| 83 | 30 | LDR-Unbiased | 23.929 | 24.208 | 0.279 |
| 84 | 30 | LDR-Unbiased | 23.538 | 23.944 | 0.406 |
| 85 | 30 | LDR-Unbiased | 24.096 | 22.809 | -1.287 |
| 86 | 30 | LDR-Unbiased | 23.295 | 23.401 | 0.106 |
| 87 | 100 | LDR-Biased | 23.58 | 23.525 | -0.055 |
| 88 | 100 | LDR-Biased | 23.816 | 23.461 | -0.355 |
| 90 | 100 | LDR-Biased | 23.704 | 23.831 | 0.127 |
| 91 | 100 | LDR-Unbiased | 23.35 | 23.685 | 0.335 |
| 93 | 100 | LDR-Unbiased | 23.031 | 23.156 | 0.125 |
| 94 | 100 | LDR-Unbiased | 24.047 | 23.35 | -0.697 |
| 95 | 100 | LDR-Unbiased | 23.992 | 23.449 | -0.543 |
| 96 | 100 | LDR-Unbiased | 23.323 | 23.4 | 0.077 |
| 106 | 50 | LDR-Biased | 24.042 | 23.391 | -0.651 |
| 108 | 50 | LDR-Biased | 23.69 | 23.736 | 0.046 |
| 109 | 50 | LDR-Biased | 24.204 | 23.705 | -0.499 |
| 110 | 50 | LDR-Biased | 23.554 | 23.495 | -0.059 |
| 111 | 50 | LDR-Biased | 23.103 | 23.449 | 0.346 |
| 112 | 50 | LDR-Unbiased | 23.364 | 23.68 | 0.316 |
| 113 | 50 | LDR-Unbiased | 23.929 | 23.769 | -0.16 |
| 115 | 50 | LDR-Unbiased | 24.096 | 22.972 | -1.124 |
| 116 | 50 | LDR-Unbiased | 23.295 | 23.309 | 0.014 |
| 117 | 50 | LDR-Unbiased | 23.538 | 24.127 | 0.589 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.254 | 23.364 | 23.474 | 0.15556 | 23.254 | 23.364 | 23.474 | 0.15556 | 0 | 0 | 0 | 0 |
| 3 | 23.103 | 23.681 | 24.204 | 0.37384 | 22.867 | 23.533 | 24.132 | 0.45923 | -1.229 | -0.1481 | 0.594 | 0.56763 |
| 10 | 23.103 | 23.681 | 24.204 | 0.37384 | 22.869 | 23.602 | 24.153 | 0.44977 | -1.227 | -0.0799 | 0.606 | 0.59722 |
| 30 | 23.103 | 23.681 | 24.204 | 0.37384 | 22.809 | 23.588 | 24.208 | 0.42887 | -1.287 | -0.093 | 0.541 | 0.56582 |
| 50 | 23.103 | 23.681 | 24.204 | 0.37384 | 22.972 | 23.563 | 24.127 | 0.31364 | -1.124 | -0.1182 | 0.589 | 0.51579 |
| 100 | 23.031 | 23.605 | 24.047 | 0.35337 | 23.156 | 23.482 | 23.831 | 0.20592 | -0.697 | -0.12325 | 0.335 | 0.36608 |

# Device Test: 5.7 tpd_EN2_SD/EN2/1.6/3/0/0/0/@TPD_EN



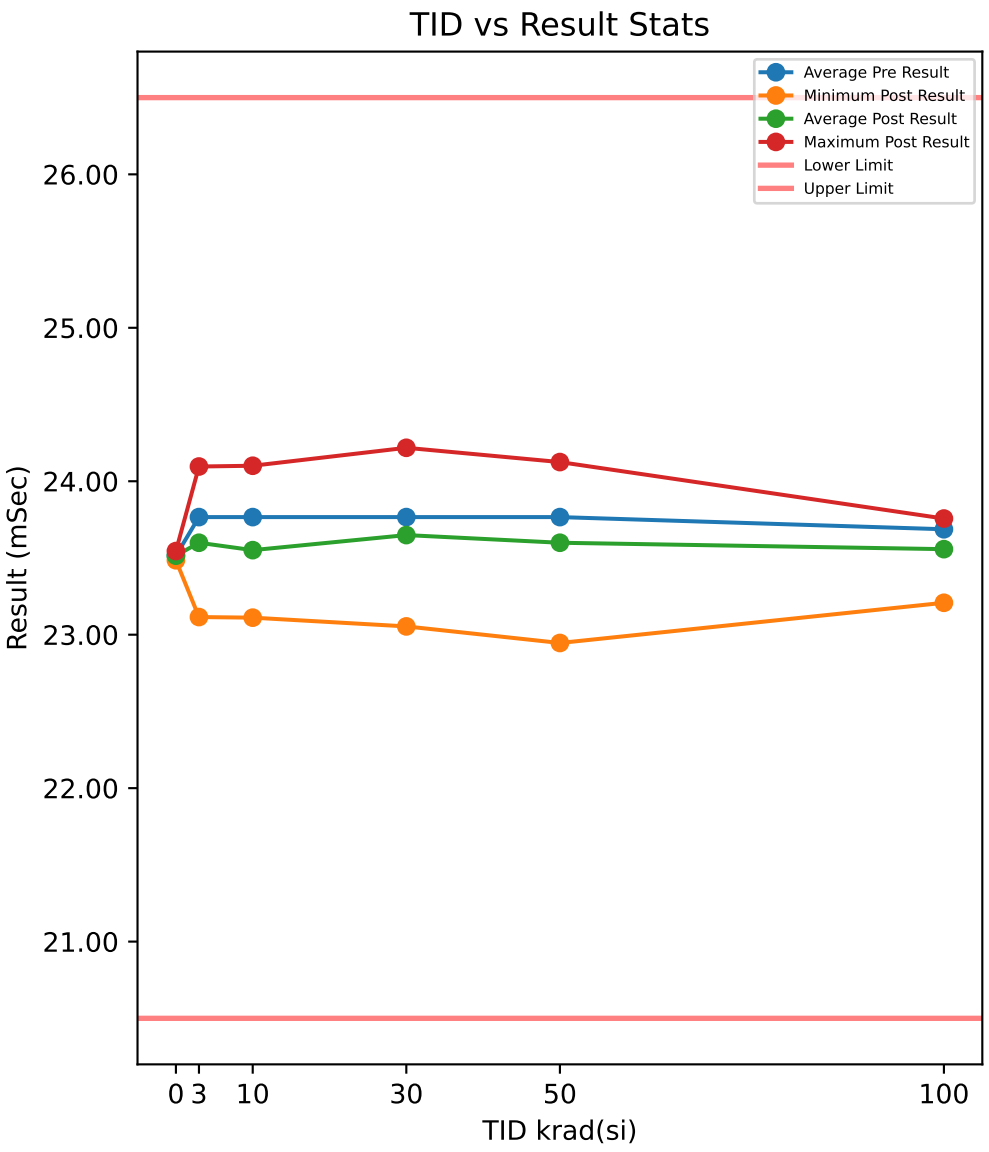

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

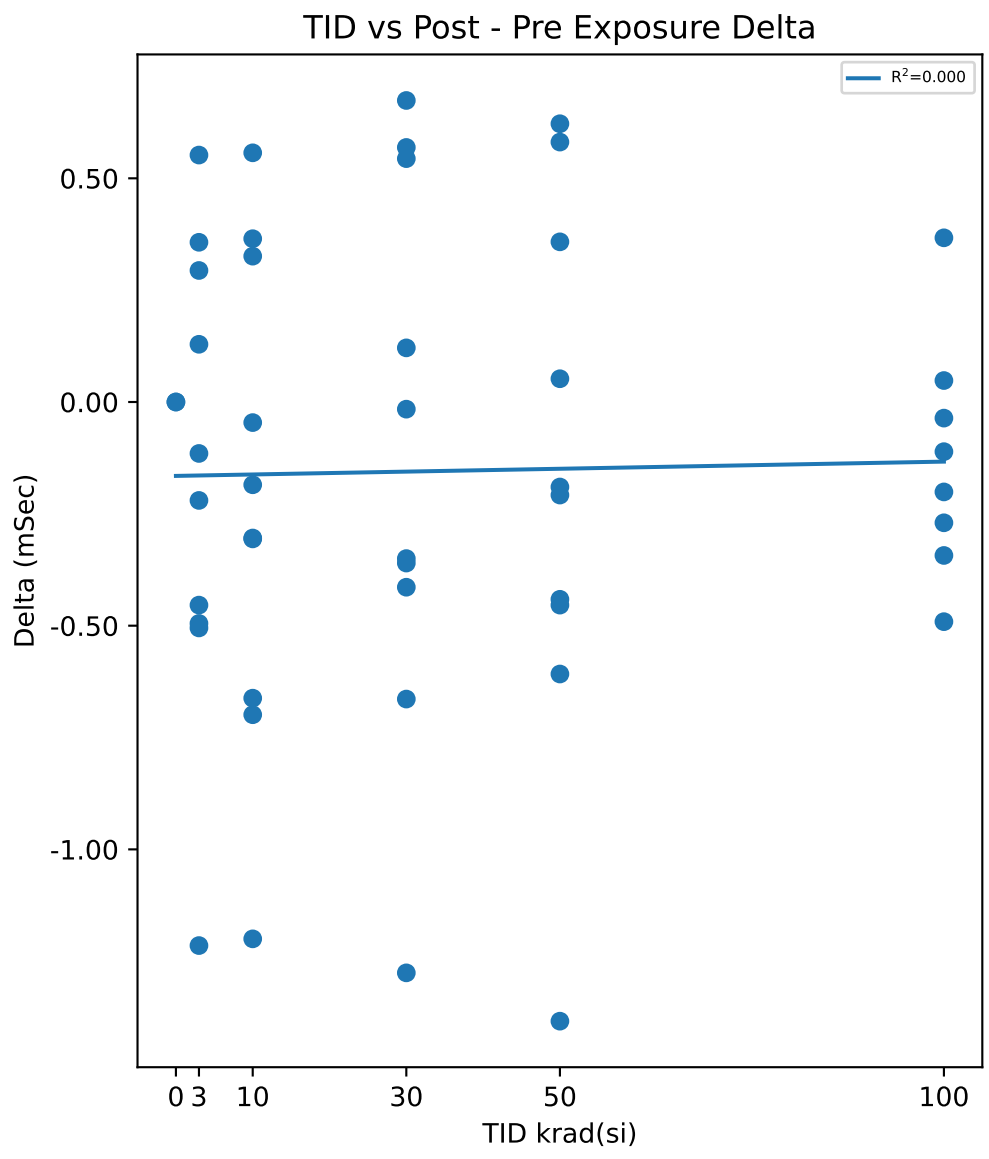
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.424 | 3.424 | 0 |
| 7 | 0 | Correlation | 3.566 | 3.566 | 0 |
| 16 | 3 | LDR-Biased | 3.514 | 3.156 | -0.358 |
| 18 | 3 | LDR-Biased | 3.079 | 3.319 | 0.24 |
| 19 | 3 | LDR-Biased | 3.537 | 3.147 | -0.39 |
| 20 | 3 | LDR-Biased | 3.652 | 3.509 | -0.143 |
| 21 | 3 | LDR-Biased | 3.168 | 3.376 | 0.208 |
| 22 | 3 | LDR-Unbiased | 3.511 | 3.153 | -0.358 |
| 23 | 3 | LDR-Unbiased | 3.408 | 2.886 | -0.522 |
| 25 | 3 | LDR-Unbiased | 3.52 | 3.574 | 0.054 |
| 26 | 3 | LDR-Unbiased | 3.344 | 3.339 | -0.005 |
| 27 | 3 | LDR-Unbiased | 3.357 | 3.204 | -0.153 |
| 46 | 10 | LDR-Biased | 3.514 | 3.068 | -0.446 |
| 48 | 10 | LDR-Biased | 3.079 | 3.496 | 0.417 |
| 49 | 10 | LDR-Biased | 3.537 | 3.586 | 0.049 |
| 50 | 10 | LDR-Biased | 3.652 | 3.371 | -0.281 |
| 51 | 10 | LDR-Biased | 3.168 | 2.918 | -0.25 |
| 52 | 10 | LDR-Unbiased | 3.511 | 3.8 | 0.289 |
| 53 | 10 | LDR-Unbiased | 3.408 | 2.909 | -0.499 |
| 55 | 10 | LDR-Unbiased | 3.52 | 3.769 | 0.249 |
| 56 | 10 | LDR-Unbiased | 3.344 | 3.476 | 0.132 |
| 57 | 10 | LDR-Unbiased | 3.357 | 3.607 | 0.25 |
| 76 | 30 | LDR-Biased | 3.514 | 3.362 | -0.152 |
| 78 | 30 | LDR-Biased | 3.079 | 2.812 | -0.267 |
| 79 | 30 | LDR-Biased | 3.537 | 3.32 | -0.217 |
| 80 | 30 | LDR-Biased | 3.652 | 3.602 | -0.05 |
| 81 | 30 | LDR-Biased | 3.168 | 3.252 | 0.084 |
| 82 | 30 | LDR-Unbiased | 3.511 | 3.236 | -0.275 |
| 83 | 30 | LDR-Unbiased | 3.408 | 3.042 | -0.366 |
| 84 | 30 | LDR-Unbiased | 3.357 | 3.44 | 0.083 |
| 85 | 30 | LDR-Unbiased | 3.52 | 3.215 | -0.305 |
| 86 | 30 | LDR-Unbiased | 3.344 | 3.755 | 0.411 |
| 87 | 100 | LDR-Biased | 2.997 | 3.505 | 0.508 |
| 88 | 100 | LDR-Biased | 3.524 | 2.863 | -0.661 |
| 90 | 100 | LDR-Biased | 3.432 | 3.126 | -0.306 |
| 91 | 100 | LDR-Unbiased | 2.91 | 3.442 | 0.532 |
| 93 | 100 | LDR-Unbiased | 2.84 | 2.851 | 0.011 |
| 94 | 100 | LDR-Unbiased | 3.446 | 3.395 | -0.051 |
| 95 | 100 | LDR-Unbiased | 3.392 | 3.023 | -0.369 |
| 96 | 100 | LDR-Unbiased | 3.759 | 3.808 | 0.049 |
| 106 | 50 | LDR-Biased | 3.514 | 3.307 | -0.207 |
| 108 | 50 | LDR-Biased | 3.079 | 3.024 | -0.055 |
| 109 | 50 | LDR-Biased | 3.537 | 3.595 | 0.058 |
| 110 | 50 | LDR-Biased | 3.652 | 3.344 | -0.308 |
| 111 | 50 | LDR-Biased | 3.168 | 3.565 | 0.397 |
| 112 | 50 | LDR-Unbiased | 3.511 | 3.702 | 0.191 |
| 113 | 50 | LDR-Unbiased | 3.408 | 3.134 | -0.274 |
| 115 | 50 | LDR-Unbiased | 3.52 | 3.38 | -0.14 |
| 116 | 50 | LDR-Unbiased | 3.344 | 3.736 | 0.392 |
| 117 | 50 | LDR-Unbiased | 3.357 | 2.913 | -0.444 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.424 | 3.495 | 3.566 | 0.10041 | 3.424 | 3.495 | 3.566 | 0.10041 | 0 | 0 | 0 | 0 |
| 3 | 3.079 | 3.409 | 3.652 | 0.17736 | 2.886 | 3.2663 | 3.574 | 0.2004 | -0.522 | -0.1427 | 0.24 | 0.26351 |
| 10 | 3.079 | 3.409 | 3.652 | 0.17736 | 2.909 | 3.4 | 3.8 | 0.32881 | -0.499 | -0.009 | 0.417 | 0.33171 |
| 30 | 3.079 | 3.409 | 3.652 | 0.17736 | 2.812 | 3.3036 | 3.755 | 0.26672 | -0.366 | -0.1054 | 0.411 | 0.23999 |
| 50 | 3.079 | 3.409 | 3.652 | 0.17736 | 2.913 | 3.37 | 3.736 | 0.2832 | -0.444 | -0.039 | 0.397 | 0.29221 |
| 100 | 2.84 | 3.2875 | 3.759 | 0.33 | 2.851 | 3.2516 | 3.808 | 0.3402 | -0.661 | -0.035875 | 0.532 | 0.41449 |

# Device Test: 5.70 tdly_Res1p18M_EN2_SU/EN2/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



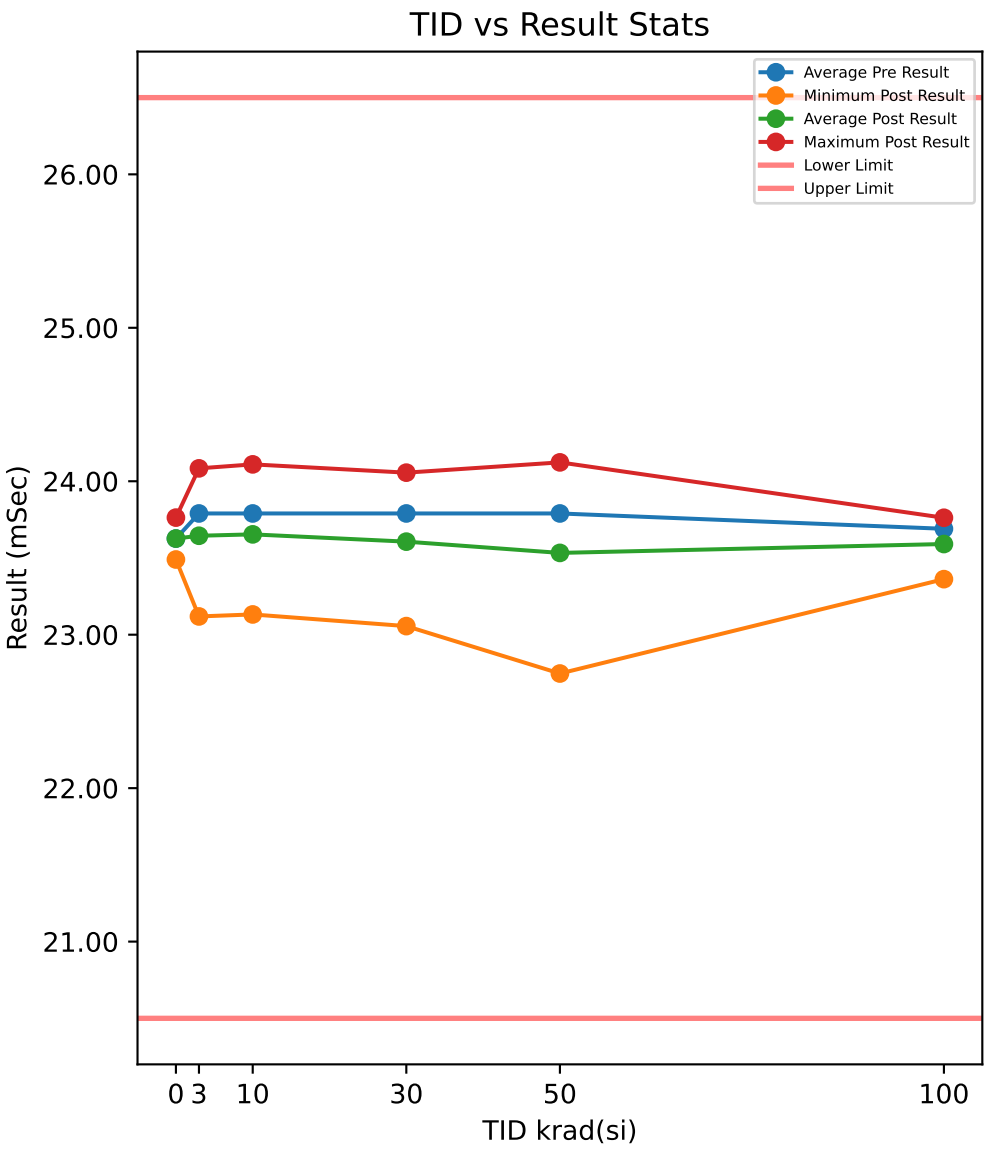

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

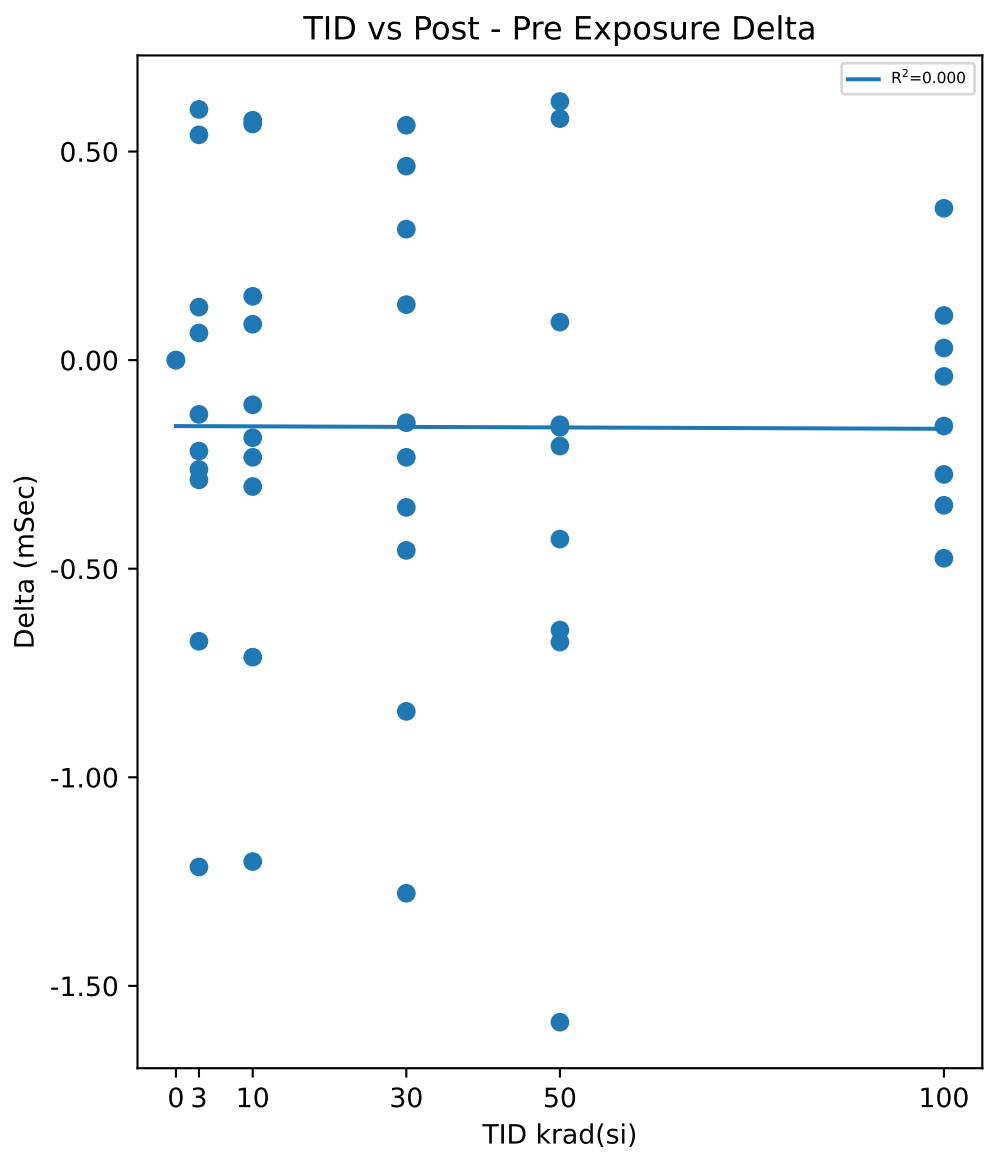
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.545 | 23.545 | 0 |
| 7 | 0 | Correlation | 23.485 | 23.485 | 0 |
| 16 | 3 | LDR-Biased | 23.81 | 23.356 | -0.454 |
| 18 | 3 | LDR-Biased | 23.919 | 24.048 | 0.129 |
| 19 | 3 | LDR-Biased | 24.143 | 23.638 | -0.505 |
| 20 | 3 | LDR-Biased | 23.822 | 23.327 | -0.495 |
| 21 | 3 | LDR-Biased | 23.086 | 23.38 | 0.294 |
| 22 | 3 | LDR-Unbiased | 23.294 | 23.651 | 0.357 |
| 23 | 3 | LDR-Unbiased | 24.208 | 24.093 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.33 | 23.115 | -1.215 |
| 26 | 3 | LDR-Unbiased | 23.508 | 23.288 | -0.22 |
| 27 | 3 | LDR-Unbiased | 23.544 | 24.096 | 0.552 |
| 46 | 10 | LDR-Biased | 23.81 | 23.111 | -0.699 |
| 48 | 10 | LDR-Biased | 23.919 | 23.873 | -0.046 |
| 49 | 10 | LDR-Biased | 24.143 | 23.839 | -0.304 |
| 50 | 10 | LDR-Biased | 23.822 | 23.16 | -0.662 |
| 51 | 10 | LDR-Biased | 23.086 | 23.412 | 0.326 |
| 52 | 10 | LDR-Unbiased | 23.294 | 23.659 | 0.365 |
| 53 | 10 | LDR-Unbiased | 24.208 | 23.902 | -0.306 |
| 55 | 10 | LDR-Unbiased | 24.33 | 23.13 | -1.2 |
| 56 | 10 | LDR-Unbiased | 23.508 | 23.323 | -0.185 |
| 57 | 10 | LDR-Unbiased | 23.544 | 24.101 | 0.557 |
| 76 | 30 | LDR-Biased | 23.81 | 23.396 | -0.414 |
| 78 | 30 | LDR-Biased | 23.919 | 24.04 | 0.121 |
| 79 | 30 | LDR-Biased | 24.143 | 23.793 | -0.35 |
| 80 | 30 | LDR-Biased | 23.822 | 23.158 | -0.664 |
| 81 | 30 | LDR-Biased | 23.086 | 23.63 | 0.544 |
| 82 | 30 | LDR-Unbiased | 23.294 | 23.863 | 0.569 |
| 83 | 30 | LDR-Unbiased | 24.208 | 24.192 | -0.016 |
| 84 | 30 | LDR-Unbiased | 23.544 | 24.218 | 0.674 |
| 85 | 30 | LDR-Unbiased | 24.33 | 23.054 | -1.276 |
| 86 | 30 | LDR-Unbiased | 23.508 | 23.148 | -0.36 |
| 87 | 100 | LDR-Biased | 23.579 | 23.543 | -0.036 |
| 88 | 100 | LDR-Biased | 24.027 | 23.757 | -0.27 |
| 90 | 100 | LDR-Biased | 23.709 | 23.757 | 0.048 |
| 91 | 100 | LDR-Unbiased | 23.291 | 23.658 | 0.367 |
| 93 | 100 | LDR-Unbiased | 23.319 | 23.208 | -0.111 |
| 94 | 100 | LDR-Unbiased | 24.029 | 23.538 | -0.491 |
| 95 | 100 | LDR-Unbiased | 23.999 | 23.656 | -0.343 |
| 96 | 100 | LDR-Unbiased | 23.544 | 23.343 | -0.201 |
| 106 | 50 | LDR-Biased | 23.81 | 23.369 | -0.441 |
| 108 | 50 | LDR-Biased | 23.919 | 23.971 | 0.052 |
| 109 | 50 | LDR-Biased | 24.143 | 23.689 | -0.454 |
| 110 | 50 | LDR-Biased | 23.822 | 23.214 | -0.608 |
| 111 | 50 | LDR-Biased | 23.086 | 23.444 | 0.358 |
| 112 | 50 | LDR-Unbiased | 23.294 | 23.916 | 0.622 |
| 113 | 50 | LDR-Unbiased | 24.208 | 24 | -0.208 |
| 115 | 50 | LDR-Unbiased | 24.33 | 22.946 | -1.384 |
| 116 | 50 | LDR-Unbiased | 23.508 | 23.318 | -0.19 |
| 117 | 50 | LDR-Unbiased | 23.544 | 24.125 | 0.581 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.485 | 23.515 | 23.545 | 0.042426 | 23.485 | 23.515 | 23.545 | 0.042426 | 0 | 0 | 0 | 0 |
| 3 | 23.086 | 23.766 | 24.33 | 0.40622 | 23.115 | 23.599 | 24.096 | 0.36649 | -1.215 | -0.1672 | 0.552 | 0.52701 |
| 10 | 23.086 | 23.766 | 24.33 | 0.40622 | 23.111 | 23.551 | 24.101 | 0.36803 | -1.2 | -0.2154 | 0.557 | 0.54518 |
| 30 | 23.086 | 23.766 | 24.33 | 0.40622 | 23.054 | 23.649 | 24.218 | 0.44077 | -1.276 | -0.1172 | 0.674 | 0.61861 |
| 50 | 23.086 | 23.766 | 24.33 | 0.40622 | 22.946 | 23.599 | 24.125 | 0.39651 | -1.384 | -0.1672 | 0.622 | 0.60927 |
| 100 | 23.291 | 23.687 | 24.029 | 0.30583 | 23.208 | 23.558 | 23.757 | 0.19572 | -0.491 | -0.12962 | 0.367 | 0.26409 |

# Device Test: 5.71 tdly_Res1p18M_EN3_SU/EN3/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



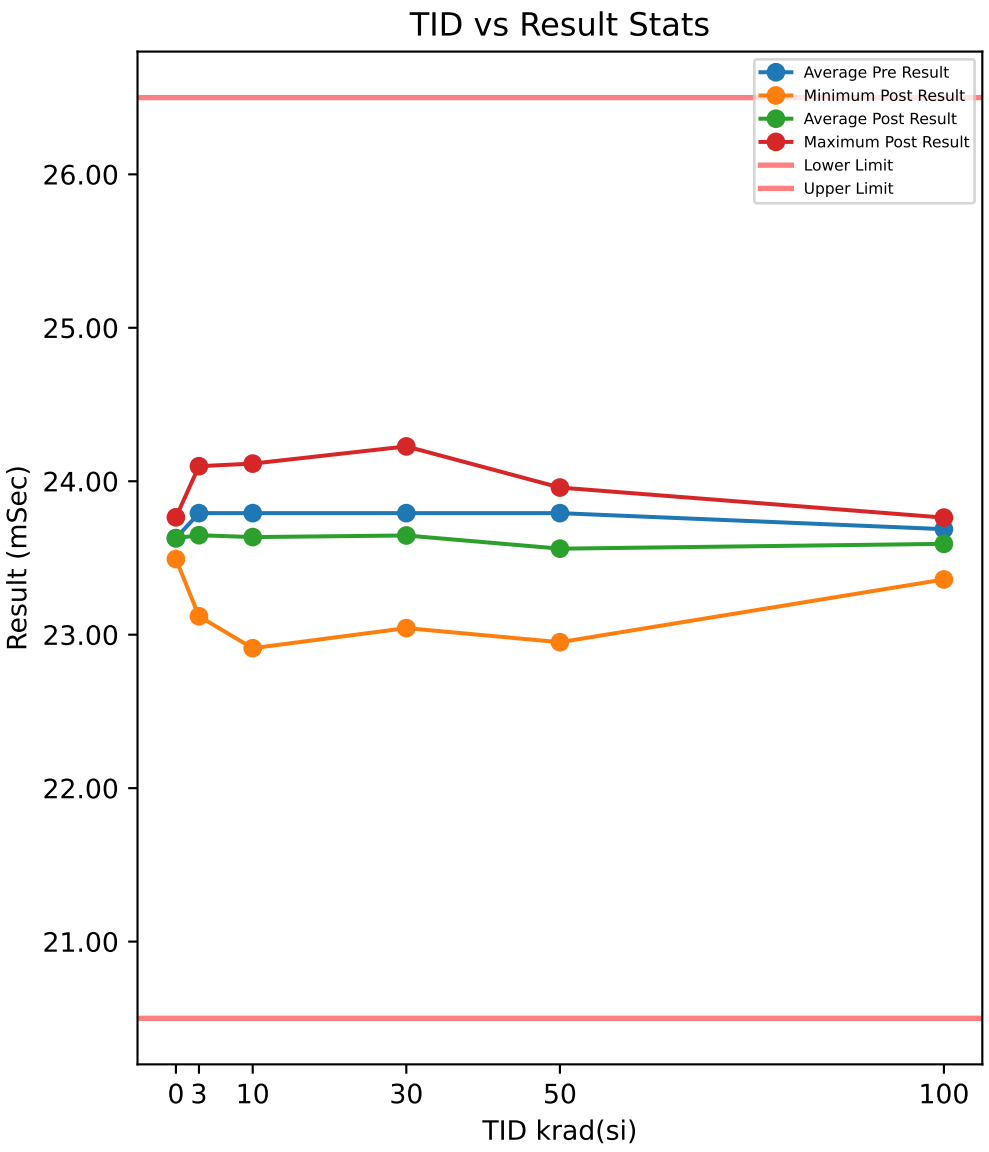

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

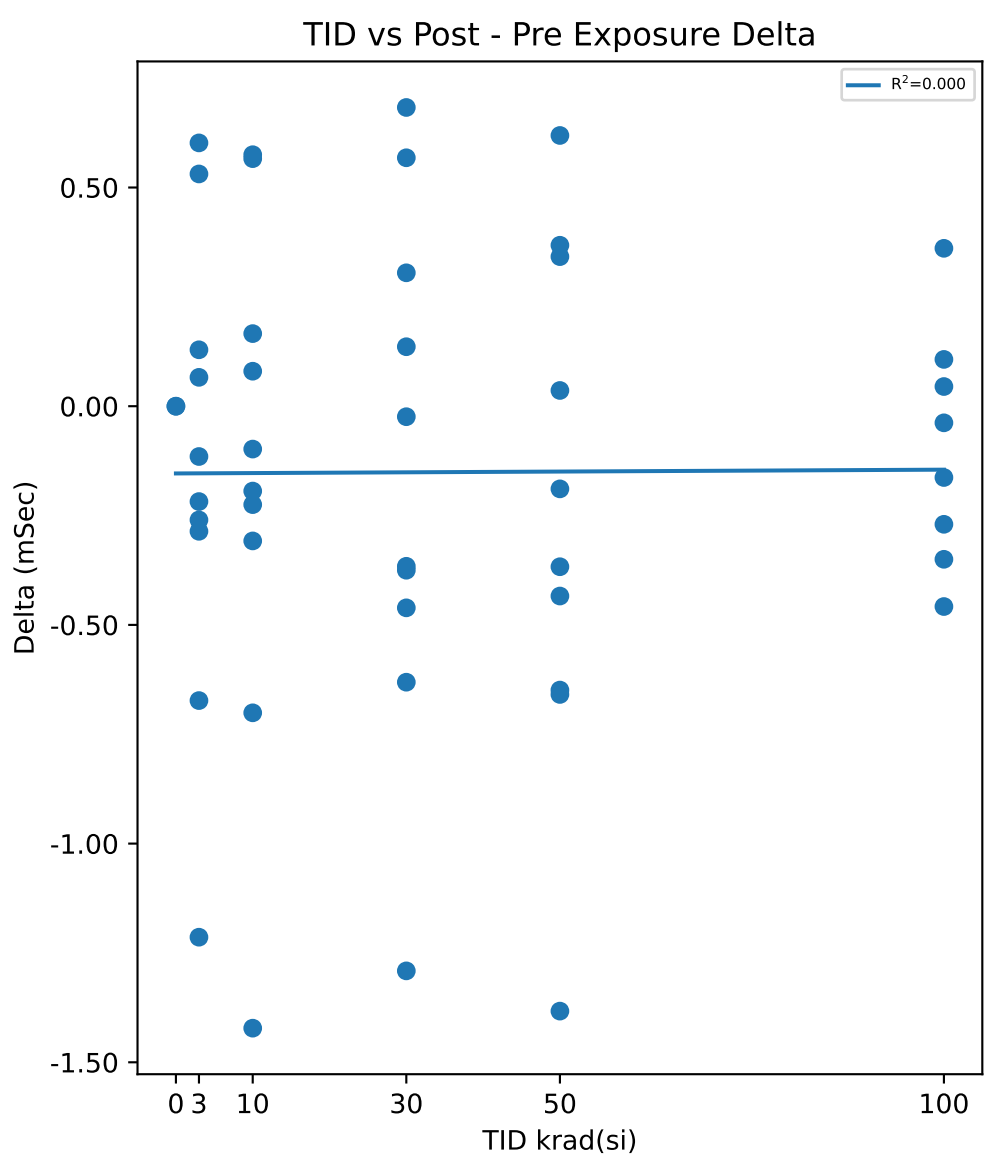
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.763 | 23.763 | 0 |
| 7 | 0 | Correlation | 23.49 | 23.49 | 0 |
| 16 | 3 | LDR-Biased | 24.029 | 23.355 | -0.674 |
| 18 | 3 | LDR-Biased | 23.923 | 24.05 | 0.127 |
| 19 | 3 | LDR-Biased | 24.144 | 23.857 | -0.287 |
| 20 | 3 | LDR-Biased | 23.597 | 23.335 | -0.262 |
| 21 | 3 | LDR-Biased | 23.318 | 23.383 | 0.065 |
| 22 | 3 | LDR-Unbiased | 23.295 | 23.896 | 0.601 |
| 23 | 3 | LDR-Unbiased | 24.209 | 24.079 | -0.13 |
| 25 | 3 | LDR-Unbiased | 24.334 | 23.119 | -1.215 |
| 26 | 3 | LDR-Unbiased | 23.508 | 23.29 | -0.218 |
| 27 | 3 | LDR-Unbiased | 23.544 | 24.084 | 0.54 |
| 46 | 10 | LDR-Biased | 24.029 | 23.317 | -0.712 |
| 48 | 10 | LDR-Biased | 23.923 | 24.076 | 0.153 |
| 49 | 10 | LDR-Biased | 24.144 | 23.841 | -0.303 |
| 50 | 10 | LDR-Biased | 23.597 | 23.364 | -0.233 |
| 51 | 10 | LDR-Biased | 23.318 | 23.404 | 0.086 |
| 52 | 10 | LDR-Unbiased | 23.295 | 23.87 | 0.575 |
| 53 | 10 | LDR-Unbiased | 24.209 | 24.102 | -0.107 |
| 55 | 10 | LDR-Unbiased | 24.334 | 23.132 | -1.202 |
| 56 | 10 | LDR-Unbiased | 23.508 | 23.322 | -0.186 |
| 57 | 10 | LDR-Unbiased | 23.544 | 24.11 | 0.566 |
| 76 | 30 | LDR-Biased | 24.029 | 23.187 | -0.842 |
| 78 | 30 | LDR-Biased | 23.923 | 24.056 | 0.133 |
| 79 | 30 | LDR-Biased | 24.144 | 23.791 | -0.353 |
| 80 | 30 | LDR-Biased | 23.597 | 23.141 | -0.456 |
| 81 | 30 | LDR-Biased | 23.318 | 23.632 | 0.314 |
| 82 | 30 | LDR-Unbiased | 23.295 | 23.858 | 0.563 |
| 83 | 30 | LDR-Unbiased | 24.209 | 23.976 | -0.233 |
| 84 | 30 | LDR-Unbiased | 23.544 | 24.009 | 0.465 |
| 85 | 30 | LDR-Unbiased | 24.334 | 23.056 | -1.278 |
| 86 | 30 | LDR-Unbiased | 23.508 | 23.358 | -0.15 |
| 87 | 100 | LDR-Biased | 23.581 | 23.542 | -0.039 |
| 88 | 100 | LDR-Biased | 24.033 | 23.759 | -0.274 |
| 90 | 100 | LDR-Biased | 23.92 | 23.762 | -0.158 |
| 91 | 100 | LDR-Unbiased | 23.295 | 23.659 | 0.364 |
| 93 | 100 | LDR-Unbiased | 23.322 | 23.429 | 0.107 |
| 94 | 100 | LDR-Unbiased | 24.03 | 23.555 | -0.475 |
| 95 | 100 | LDR-Unbiased | 24.007 | 23.659 | -0.348 |
| 96 | 100 | LDR-Unbiased | 23.333 | 23.362 | 0.029 |
| 106 | 50 | LDR-Biased | 24.029 | 23.353 | -0.676 |
| 108 | 50 | LDR-Biased | 23.923 | 23.762 | -0.161 |
| 109 | 50 | LDR-Biased | 24.144 | 23.497 | -0.647 |
| 110 | 50 | LDR-Biased | 23.597 | 23.442 | -0.155 |
| 111 | 50 | LDR-Biased | 23.318 | 23.409 | 0.091 |
| 112 | 50 | LDR-Unbiased | 23.295 | 23.915 | 0.62 |
| 113 | 50 | LDR-Unbiased | 24.209 | 23.78 | -0.429 |
| 115 | 50 | LDR-Unbiased | 24.334 | 22.747 | -1.587 |
| 116 | 50 | LDR-Unbiased | 23.508 | 23.302 | -0.206 |
| 117 | 50 | LDR-Unbiased | 23.544 | 24.123 | 0.579 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.49 | 23.627 | 23.763 | 0.19304 | 23.49 | 23.627 | 23.763 | 0.19304 | 0 | 0 | 0 | 0 |
| 3 | 23.295 | 23.79 | 24.334 | 0.38249 | 23.119 | 23.645 | 24.084 | 0.38073 | -1.215 | -0.1453 | 0.601 | 0.53831 |
| 10 | 23.295 | 23.79 | 24.334 | 0.38249 | 23.132 | 23.654 | 24.11 | 0.3817 | -1.202 | -0.1363 | 0.575 | 0.54159 |
| 30 | 23.295 | 23.79 | 24.334 | 0.38249 | 23.056 | 23.606 | 24.056 | 0.38816 | -1.278 | -0.1837 | 0.563 | 0.58344 |
| 50 | 23.295 | 23.79 | 24.334 | 0.38249 | 22.747 | 23.533 | 24.123 | 0.38528 | -1.587 | -0.2571 | 0.62 | 0.64442 |
| 100 | 23.295 | 23.69 | 24.033 | 0.34172 | 23.362 | 23.591 | 23.762 | 0.14594 | -0.475 | -0.09925 | 0.364 | 0.27105 |

# Device Test: 5.72 tdly_Res1p18M_EN4_SU/EN4/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



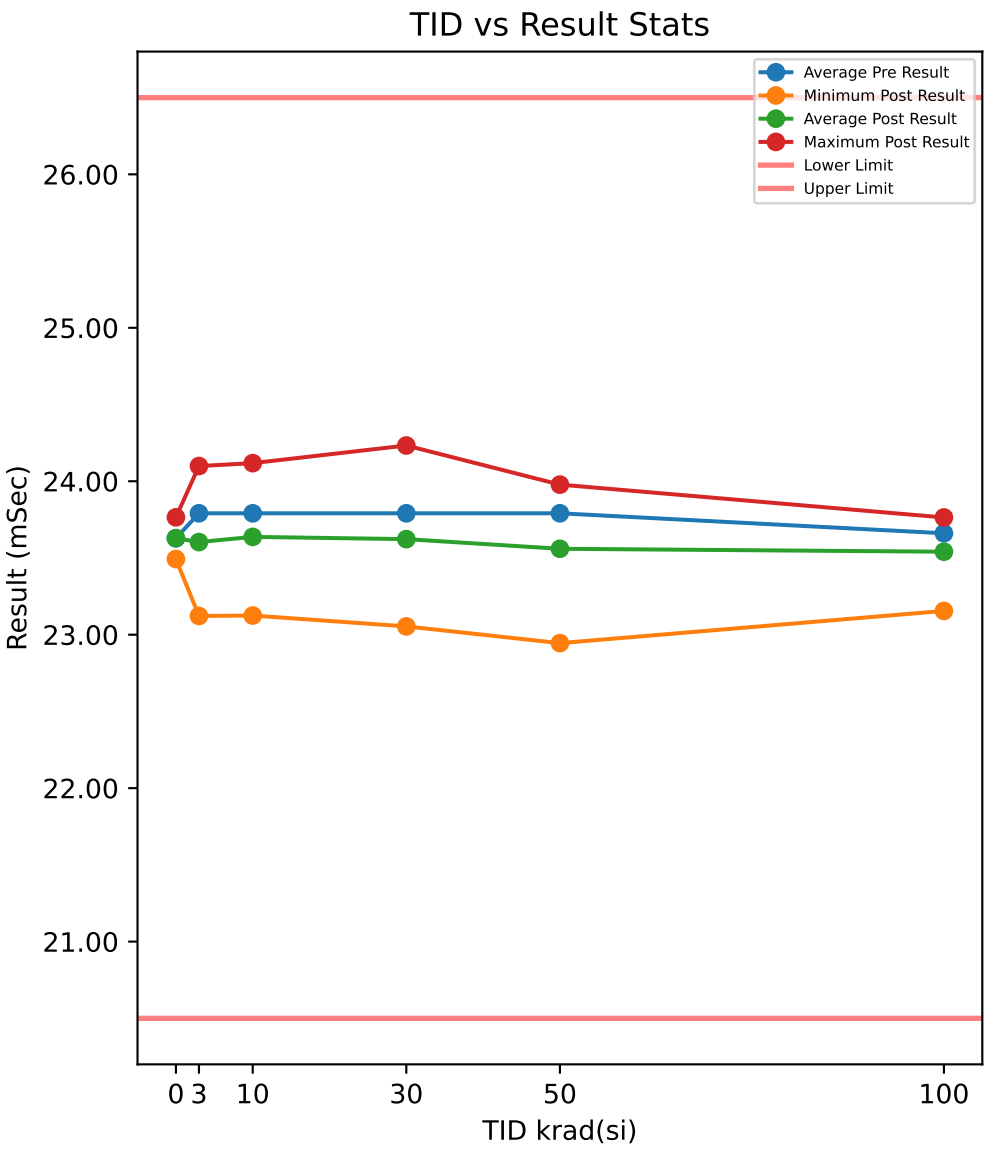

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

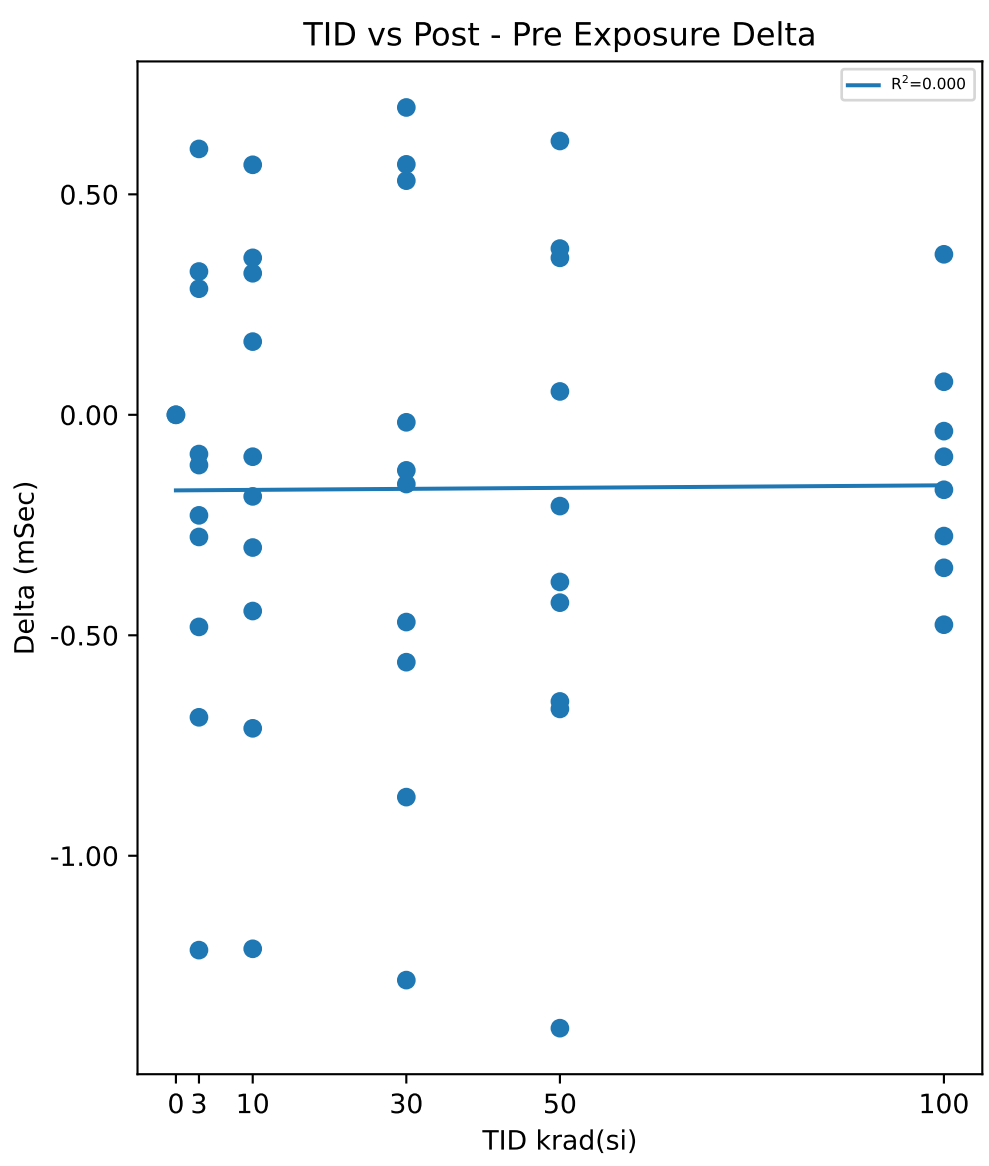
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.765 | 23.765 | 0 |
| 7 | 0 | Correlation | 23.493 | 23.493 | 0 |
| 16 | 3 | LDR-Biased | 24.032 | 23.359 | -0.673 |
| 18 | 3 | LDR-Biased | 23.923 | 24.052 | 0.129 |
| 19 | 3 | LDR-Biased | 24.147 | 23.861 | -0.286 |
| 20 | 3 | LDR-Biased | 23.601 | 23.341 | -0.26 |
| 21 | 3 | LDR-Biased | 23.32 | 23.386 | 0.066 |
| 22 | 3 | LDR-Unbiased | 23.298 | 23.9 | 0.602 |
| 23 | 3 | LDR-Unbiased | 24.213 | 24.098 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.334 | 23.12 | -1.214 |
| 26 | 3 | LDR-Unbiased | 23.51 | 23.292 | -0.218 |
| 27 | 3 | LDR-Unbiased | 23.544 | 24.075 | 0.531 |
| 46 | 10 | LDR-Biased | 24.032 | 23.331 | -0.701 |
| 48 | 10 | LDR-Biased | 23.923 | 24.089 | 0.166 |
| 49 | 10 | LDR-Biased | 24.147 | 23.839 | -0.308 |
| 50 | 10 | LDR-Biased | 23.601 | 23.376 | -0.225 |
| 51 | 10 | LDR-Biased | 23.32 | 23.4 | 0.08 |
| 52 | 10 | LDR-Unbiased | 23.298 | 23.873 | 0.575 |
| 53 | 10 | LDR-Unbiased | 24.213 | 24.115 | -0.098 |
| 55 | 10 | LDR-Unbiased | 24.334 | 22.912 | -1.422 |
| 56 | 10 | LDR-Unbiased | 23.51 | 23.316 | -0.194 |
| 57 | 10 | LDR-Unbiased | 23.544 | 24.11 | 0.566 |
| 76 | 30 | LDR-Biased | 24.032 | 23.401 | -0.631 |
| 78 | 30 | LDR-Biased | 23.923 | 24.059 | 0.136 |
| 79 | 30 | LDR-Biased | 24.147 | 23.772 | -0.375 |
| 80 | 30 | LDR-Biased | 23.601 | 23.14 | -0.461 |
| 81 | 30 | LDR-Biased | 23.32 | 23.625 | 0.305 |
| 82 | 30 | LDR-Unbiased | 23.298 | 23.866 | 0.568 |
| 83 | 30 | LDR-Unbiased | 24.213 | 24.189 | -0.024 |
| 84 | 30 | LDR-Unbiased | 23.544 | 24.227 | 0.683 |
| 85 | 30 | LDR-Unbiased | 24.334 | 23.043 | -1.291 |
| 86 | 30 | LDR-Unbiased | 23.51 | 23.144 | -0.366 |
| 87 | 100 | LDR-Biased | 23.583 | 23.545 | -0.038 |
| 88 | 100 | LDR-Biased | 24.03 | 23.76 | -0.27 |
| 90 | 100 | LDR-Biased | 23.926 | 23.763 | -0.163 |
| 91 | 100 | LDR-Unbiased | 23.297 | 23.658 | 0.361 |
| 93 | 100 | LDR-Unbiased | 23.323 | 23.43 | 0.107 |
| 94 | 100 | LDR-Unbiased | 24.017 | 23.559 | -0.458 |
| 95 | 100 | LDR-Unbiased | 24.011 | 23.661 | -0.35 |
| 96 | 100 | LDR-Unbiased | 23.315 | 23.36 | 0.045 |
| 106 | 50 | LDR-Biased | 24.032 | 23.373 | -0.659 |
| 108 | 50 | LDR-Biased | 23.923 | 23.959 | 0.036 |
| 109 | 50 | LDR-Biased | 24.147 | 23.498 | -0.649 |
| 110 | 50 | LDR-Biased | 23.601 | 23.234 | -0.367 |
| 111 | 50 | LDR-Biased | 23.32 | 23.662 | 0.342 |
| 112 | 50 | LDR-Unbiased | 23.298 | 23.917 | 0.619 |
| 113 | 50 | LDR-Unbiased | 24.213 | 23.779 | -0.434 |
| 115 | 50 | LDR-Unbiased | 24.334 | 22.951 | -1.383 |
| 116 | 50 | LDR-Unbiased | 23.51 | 23.321 | -0.189 |
| 117 | 50 | LDR-Unbiased | 23.544 | 23.912 | 0.368 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.493 | 23.629 | 23.765 | 0.19233 | 23.493 | 23.629 | 23.765 | 0.19233 | 0 | 0 | 0 | 0 |
| 3 | 23.298 | 23.792 | 24.334 | 0.38241 | 23.12 | 23.648 | 24.098 | 0.38135 | -1.214 | -0.1438 | 0.602 | 0.53701 |
| 10 | 23.298 | 23.792 | 24.334 | 0.38241 | 22.912 | 23.636 | 24.115 | 0.42158 | -1.422 | -0.1561 | 0.575 | 0.59137 |
| 30 | 23.298 | 23.792 | 24.334 | 0.38241 | 23.043 | 23.647 | 24.227 | 0.44713 | -1.291 | -0.1456 | 0.683 | 0.60011 |
| 50 | 23.298 | 23.792 | 24.334 | 0.38241 | 22.951 | 23.561 | 23.959 | 0.34026 | -1.383 | -0.2316 | 0.619 | 0.59883 |
| 100 | 23.297 | 23.688 | 24.03 | 0.34277 | 23.36 | 23.592 | 23.763 | 0.14636 | -0.458 | -0.09575 | 0.361 | 0.26823 |

# Device Test: 5.73 tdly_Res1p18M_SEQ_SU/SEQ_DONE/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



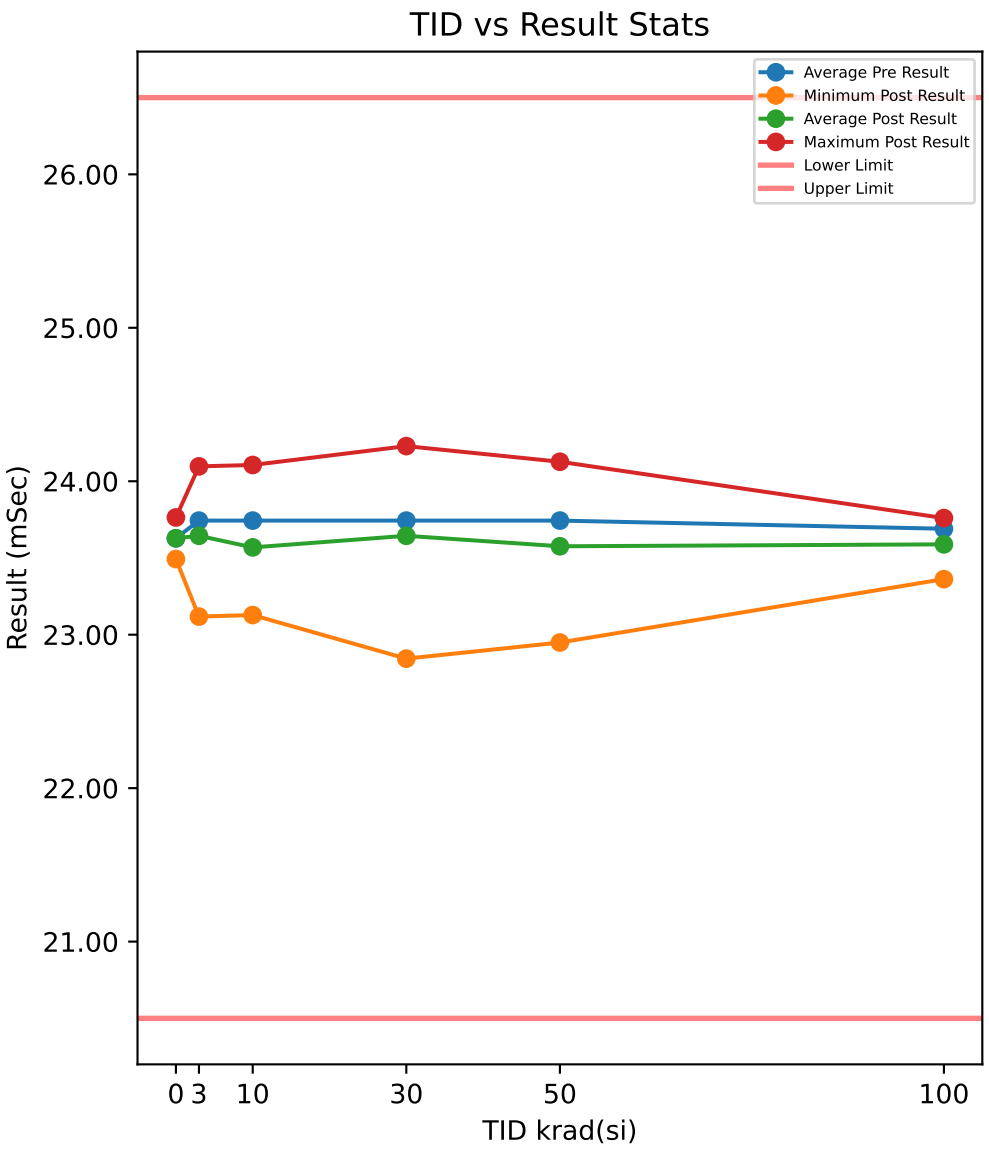

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

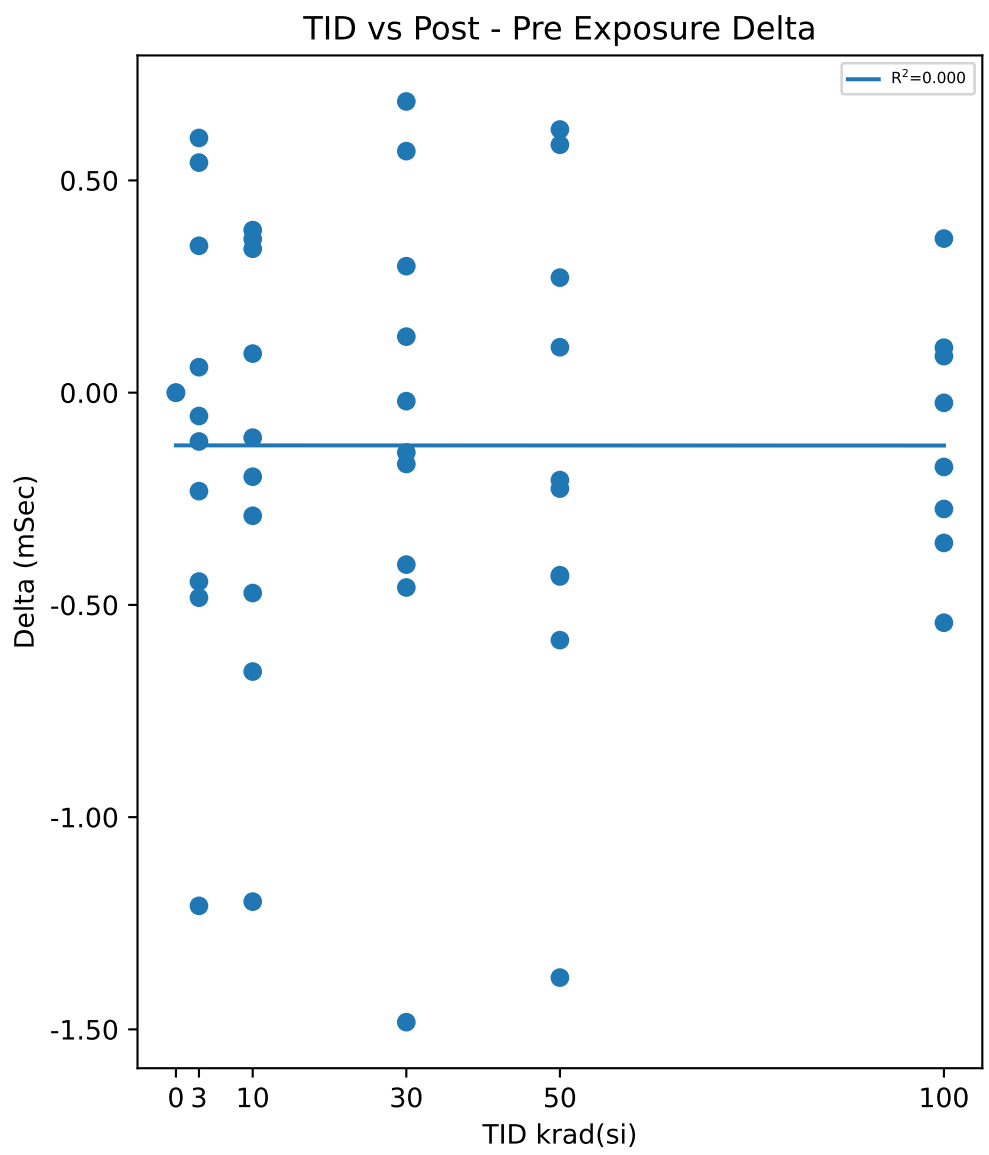
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.765 | 23.765 | 0 |
| 7 | 0 | Correlation | 23.493 | 23.493 | 0 |
| 16 | 3 | LDR-Biased | 24.029 | 23.343 | -0.686 |
| 18 | 3 | LDR-Biased | 23.925 | 23.836 | -0.089 |
| 19 | 3 | LDR-Biased | 24.143 | 23.866 | -0.277 |
| 20 | 3 | LDR-Biased | 23.824 | 23.343 | -0.481 |
| 21 | 3 | LDR-Biased | 23.096 | 23.382 | 0.286 |
| 22 | 3 | LDR-Unbiased | 23.297 | 23.9 | 0.603 |
| 23 | 3 | LDR-Unbiased | 24.213 | 24.099 | -0.114 |
| 25 | 3 | LDR-Unbiased | 24.336 | 23.122 | -1.214 |
| 26 | 3 | LDR-Unbiased | 23.513 | 23.285 | -0.228 |
| 27 | 3 | LDR-Unbiased | 23.536 | 23.861 | 0.325 |
| 46 | 10 | LDR-Biased | 24.029 | 23.318 | -0.711 |
| 48 | 10 | LDR-Biased | 23.925 | 24.091 | 0.166 |
| 49 | 10 | LDR-Biased | 24.143 | 23.842 | -0.301 |
| 50 | 10 | LDR-Biased | 23.824 | 23.379 | -0.445 |
| 51 | 10 | LDR-Biased | 23.096 | 23.417 | 0.321 |
| 52 | 10 | LDR-Unbiased | 23.297 | 23.864 | 0.567 |
| 53 | 10 | LDR-Unbiased | 24.213 | 24.118 | -0.095 |
| 55 | 10 | LDR-Unbiased | 24.336 | 23.125 | -1.211 |
| 56 | 10 | LDR-Unbiased | 23.513 | 23.328 | -0.185 |
| 57 | 10 | LDR-Unbiased | 23.536 | 23.892 | 0.356 |
| 76 | 30 | LDR-Biased | 24.029 | 23.162 | -0.867 |
| 78 | 30 | LDR-Biased | 23.925 | 23.799 | -0.126 |
| 79 | 30 | LDR-Biased | 24.143 | 23.582 | -0.561 |
| 80 | 30 | LDR-Biased | 23.824 | 23.354 | -0.47 |
| 81 | 30 | LDR-Biased | 23.096 | 23.627 | 0.531 |
| 82 | 30 | LDR-Unbiased | 23.297 | 23.865 | 0.568 |
| 83 | 30 | LDR-Unbiased | 24.213 | 24.196 | -0.017 |
| 84 | 30 | LDR-Unbiased | 23.536 | 24.233 | 0.697 |
| 85 | 30 | LDR-Unbiased | 24.336 | 23.054 | -1.282 |
| 86 | 30 | LDR-Unbiased | 23.513 | 23.356 | -0.157 |
| 87 | 100 | LDR-Biased | 23.584 | 23.547 | -0.037 |
| 88 | 100 | LDR-Biased | 24.037 | 23.762 | -0.275 |
| 90 | 100 | LDR-Biased | 23.689 | 23.764 | 0.075 |
| 91 | 100 | LDR-Unbiased | 23.297 | 23.661 | 0.364 |
| 93 | 100 | LDR-Unbiased | 23.308 | 23.213 | -0.095 |
| 94 | 100 | LDR-Unbiased | 24.036 | 23.56 | -0.476 |
| 95 | 100 | LDR-Unbiased | 24.012 | 23.665 | -0.347 |
| 96 | 100 | LDR-Unbiased | 23.325 | 23.155 | -0.17 |
| 106 | 50 | LDR-Biased | 24.029 | 23.362 | -0.667 |
| 108 | 50 | LDR-Biased | 23.925 | 23.978 | 0.053 |
| 109 | 50 | LDR-Biased | 24.143 | 23.493 | -0.65 |
| 110 | 50 | LDR-Biased | 23.824 | 23.445 | -0.379 |
| 111 | 50 | LDR-Biased | 23.096 | 23.452 | 0.356 |
| 112 | 50 | LDR-Unbiased | 23.297 | 23.918 | 0.621 |
| 113 | 50 | LDR-Unbiased | 24.213 | 23.787 | -0.426 |
| 115 | 50 | LDR-Unbiased | 24.336 | 22.945 | -1.391 |
| 116 | 50 | LDR-Unbiased | 23.513 | 23.306 | -0.207 |
| 117 | 50 | LDR-Unbiased | 23.536 | 23.913 | 0.377 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.493 | 23.629 | 23.765 | 0.19233 | 23.493 | 23.629 | 23.765 | 0.19233 | 0 | 0 | 0 | 0 |
| 3 | 23.096 | 23.791 | 24.336 | 0.4142 | 23.122 | 23.604 | 24.099 | 0.34006 | -1.214 | -0.1875 | 0.603 | 0.52966 |
| 10 | 23.096 | 23.791 | 24.336 | 0.4142 | 23.125 | 23.637 | 24.118 | 0.36062 | -1.211 | -0.1538 | 0.567 | 0.54224 |
| 30 | 23.096 | 23.791 | 24.336 | 0.4142 | 23.054 | 23.623 | 24.233 | 0.40436 | -1.282 | -0.1684 | 0.697 | 0.64794 |
| 50 | 23.096 | 23.791 | 24.336 | 0.4142 | 22.945 | 23.56 | 23.978 | 0.33172 | -1.391 | -0.2313 | 0.621 | 0.60485 |
| 100 | 23.297 | 23.661 | 24.037 | 0.33422 | 23.155 | 23.541 | 23.764 | 0.23462 | -0.476 | -0.12012 | 0.364 | 0.26311 |

# Device Test: 5.74 tdly_Res1p18M_PWRGD_SU/PWRGD/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



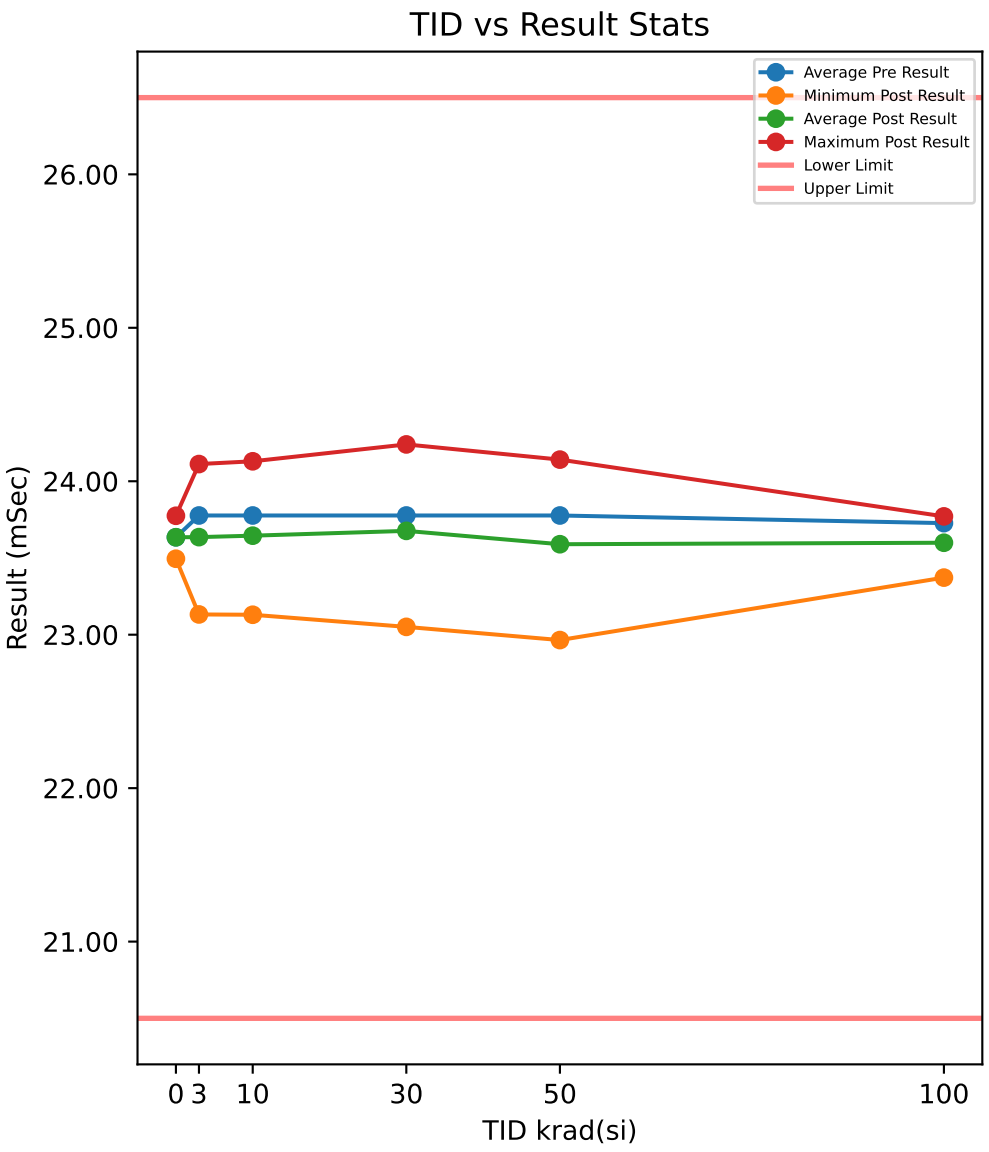

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

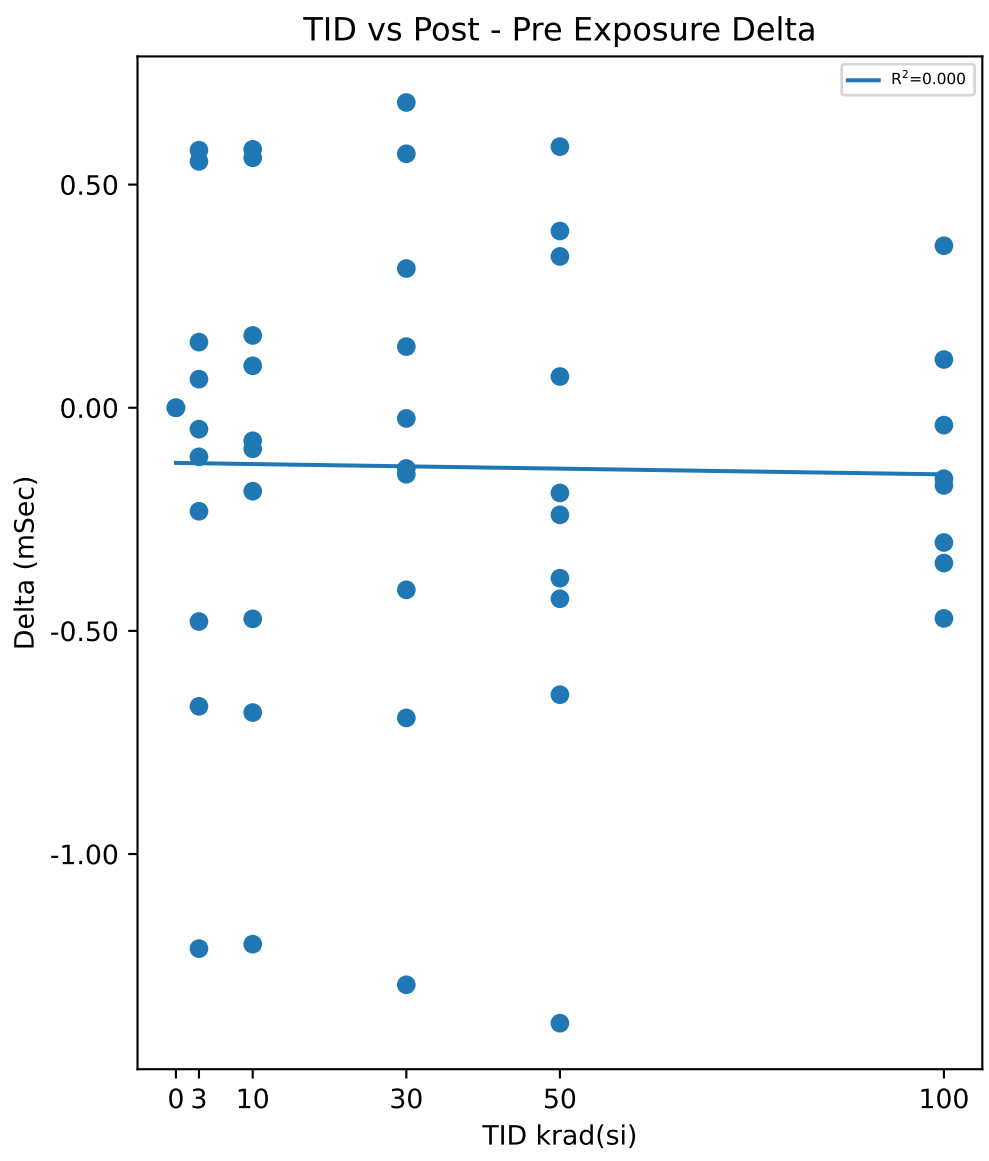
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.764 | 23.764 | 0 |
| 7 | 0 | Correlation | 23.493 | 23.493 | 0 |
| 16 | 3 | LDR-Biased | 23.802 | 23.357 | -0.445 |
| 18 | 3 | LDR-Biased | 23.699 | 24.045 | 0.346 |
| 19 | 3 | LDR-Biased | 23.916 | 23.861 | -0.055 |
| 20 | 3 | LDR-Biased | 23.818 | 23.335 | -0.483 |
| 21 | 3 | LDR-Biased | 23.317 | 23.377 | 0.06 |
| 22 | 3 | LDR-Unbiased | 23.294 | 23.894 | 0.6 |
| 23 | 3 | LDR-Unbiased | 24.212 | 24.097 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.327 | 23.118 | -1.209 |
| 26 | 3 | LDR-Unbiased | 23.508 | 23.276 | -0.232 |
| 27 | 3 | LDR-Unbiased | 23.543 | 24.085 | 0.542 |
| 46 | 10 | LDR-Biased | 23.802 | 23.33 | -0.472 |
| 48 | 10 | LDR-Biased | 23.699 | 24.082 | 0.383 |
| 49 | 10 | LDR-Biased | 23.916 | 23.626 | -0.29 |
| 50 | 10 | LDR-Biased | 23.818 | 23.161 | -0.657 |
| 51 | 10 | LDR-Biased | 23.317 | 23.409 | 0.092 |
| 52 | 10 | LDR-Unbiased | 23.294 | 23.656 | 0.362 |
| 53 | 10 | LDR-Unbiased | 24.212 | 24.106 | -0.106 |
| 55 | 10 | LDR-Unbiased | 24.327 | 23.128 | -1.199 |
| 56 | 10 | LDR-Unbiased | 23.508 | 23.31 | -0.198 |
| 57 | 10 | LDR-Unbiased | 23.543 | 23.882 | 0.339 |
| 76 | 30 | LDR-Biased | 23.802 | 23.397 | -0.405 |
| 78 | 30 | LDR-Biased | 23.699 | 23.831 | 0.132 |
| 79 | 30 | LDR-Biased | 23.916 | 23.775 | -0.141 |
| 80 | 30 | LDR-Biased | 23.818 | 23.359 | -0.459 |
| 81 | 30 | LDR-Biased | 23.317 | 23.615 | 0.298 |
| 82 | 30 | LDR-Unbiased | 23.294 | 23.863 | 0.569 |
| 83 | 30 | LDR-Unbiased | 24.212 | 24.192 | -0.02 |
| 84 | 30 | LDR-Unbiased | 23.543 | 24.229 | 0.686 |
| 85 | 30 | LDR-Unbiased | 24.327 | 22.844 | -1.483 |
| 86 | 30 | LDR-Unbiased | 23.508 | 23.34 | -0.168 |
| 87 | 100 | LDR-Biased | 23.567 | 23.543 | -0.024 |
| 88 | 100 | LDR-Biased | 24.031 | 23.757 | -0.274 |
| 90 | 100 | LDR-Biased | 23.674 | 23.76 | 0.086 |
| 91 | 100 | LDR-Unbiased | 23.295 | 23.658 | 0.363 |
| 93 | 100 | LDR-Unbiased | 23.319 | 23.425 | 0.106 |
| 94 | 100 | LDR-Unbiased | 24.096 | 23.554 | -0.542 |
| 95 | 100 | LDR-Unbiased | 24.005 | 23.651 | -0.354 |
| 96 | 100 | LDR-Unbiased | 23.537 | 23.362 | -0.175 |
| 106 | 50 | LDR-Biased | 23.802 | 23.372 | -0.43 |
| 108 | 50 | LDR-Biased | 23.699 | 23.97 | 0.271 |
| 109 | 50 | LDR-Biased | 23.916 | 23.69 | -0.226 |
| 110 | 50 | LDR-Biased | 23.818 | 23.235 | -0.583 |
| 111 | 50 | LDR-Biased | 23.317 | 23.424 | 0.107 |
| 112 | 50 | LDR-Unbiased | 23.294 | 23.914 | 0.62 |
| 113 | 50 | LDR-Unbiased | 24.212 | 23.779 | -0.433 |
| 115 | 50 | LDR-Unbiased | 24.327 | 22.949 | -1.378 |
| 116 | 50 | LDR-Unbiased | 23.508 | 23.302 | -0.206 |
| 117 | 50 | LDR-Unbiased | 23.543 | 24.127 | 0.584 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.493 | 23.628 | 23.764 | 0.19163 | 23.493 | 23.628 | 23.764 | 0.19163 | 0 | 0 | 0 | 0 |
| 3 | 23.294 | 23.744 | 24.327 | 0.34646 | 23.118 | 23.645 | 24.097 | 0.38461 | -1.209 | -0.0991 | 0.6 | 0.5418 |
| 10 | 23.294 | 23.744 | 24.327 | 0.34646 | 23.128 | 23.569 | 24.106 | 0.36072 | -1.199 | -0.1746 | 0.383 | 0.50803 |
| 30 | 23.294 | 23.744 | 24.327 | 0.34646 | 22.844 | 23.645 | 24.229 | 0.42402 | -1.483 | -0.0991 | 0.686 | 0.61688 |
| 50 | 23.294 | 23.744 | 24.327 | 0.34646 | 22.949 | 23.576 | 24.127 | 0.37661 | -1.378 | -0.1674 | 0.62 | 0.59952 |
| 100 | 23.295 | 23.691 | 24.096 | 0.31911 | 23.362 | 23.589 | 23.76 | 0.14533 | -0.542 | -0.10175 | 0.363 | 0.29104 |

# Device Test: 5.75 tdly_Res1p18M_EN1_SD/EN1/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



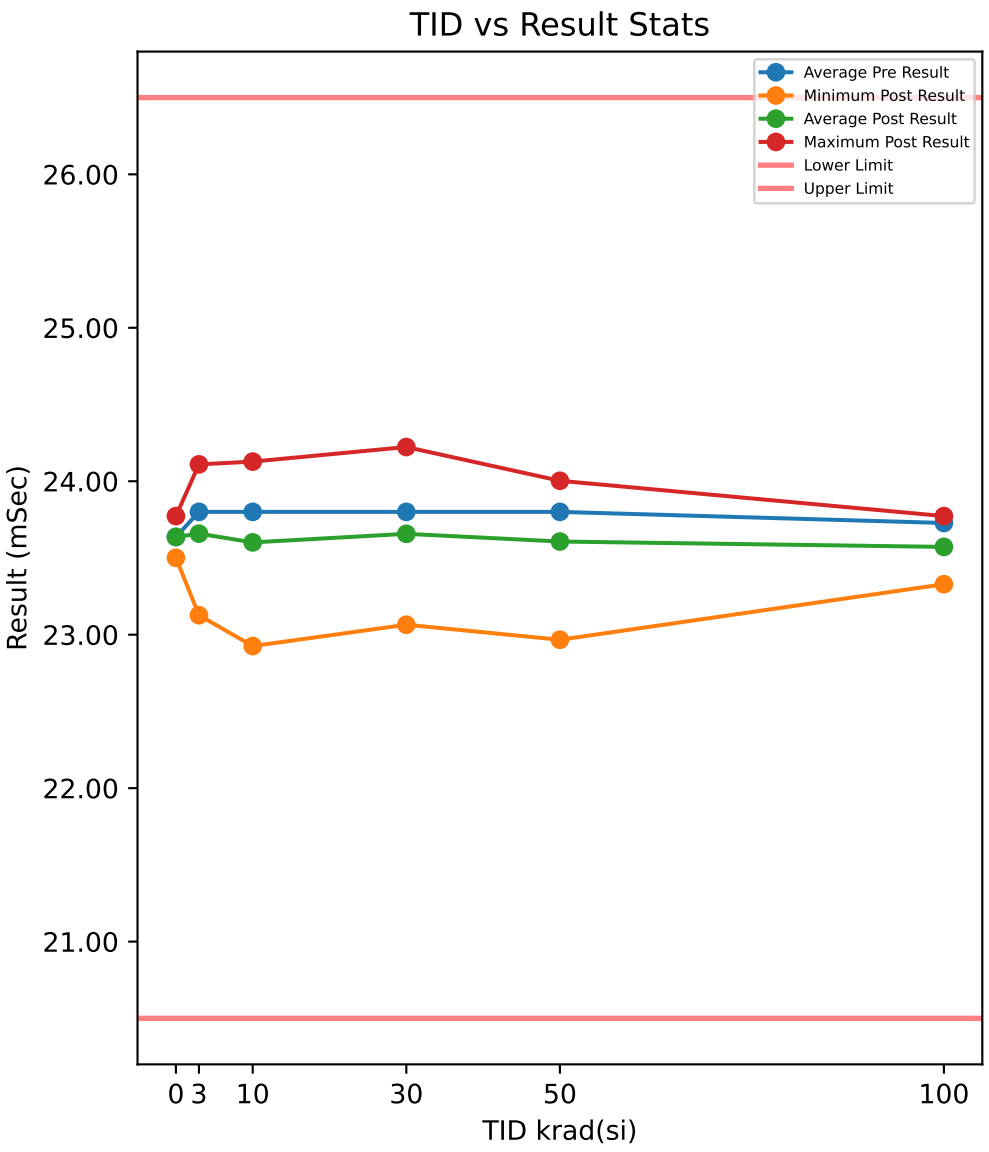

## Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

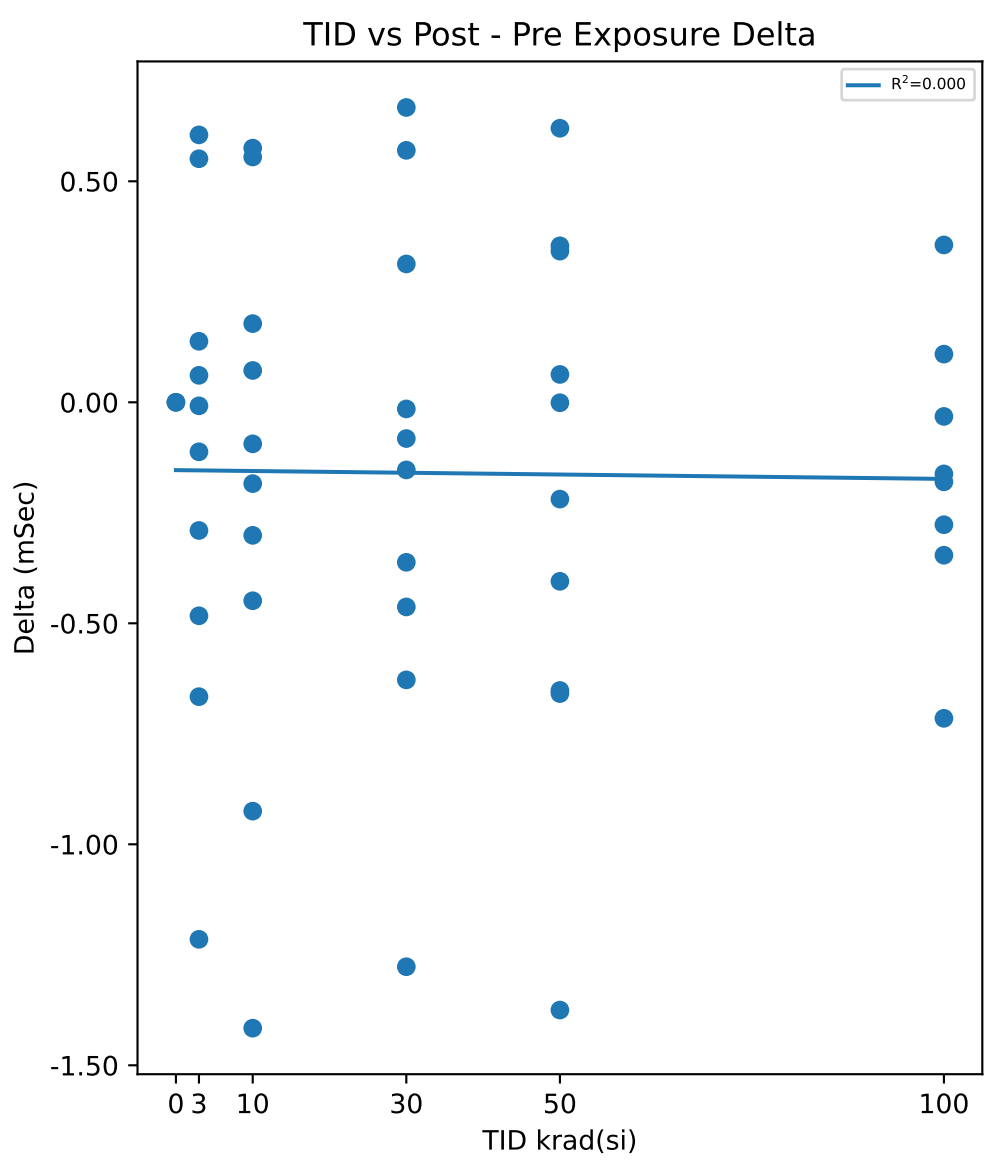
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.775 | 23.775 | 0 |
| 7 | 0 | Correlation | 23.495 | 23.495 | 0 |
| 16 | 3 | LDR-Biased | 23.813 | 23.144 | -0.669 |
| 18 | 3 | LDR-Biased | 23.913 | 24.06 | 0.147 |
| 19 | 3 | LDR-Biased | 23.926 | 23.878 | -0.048 |
| 20 | 3 | LDR-Biased | 23.836 | 23.357 | -0.479 |
| 21 | 3 | LDR-Biased | 23.331 | 23.395 | 0.064 |
| 22 | 3 | LDR-Unbiased | 23.307 | 23.884 | 0.577 |
| 23 | 3 | LDR-Unbiased | 24.222 | 24.112 | -0.11 |
| 25 | 3 | LDR-Unbiased | 24.344 | 23.132 | -1.212 |
| 26 | 3 | LDR-Unbiased | 23.521 | 23.289 | -0.232 |
| 27 | 3 | LDR-Unbiased | 23.556 | 24.108 | 0.552 |
| 46 | 10 | LDR-Biased | 23.813 | 23.13 | -0.683 |
| 48 | 10 | LDR-Biased | 23.913 | 24.075 | 0.162 |
| 49 | 10 | LDR-Biased | 23.926 | 23.852 | -0.074 |
| 50 | 10 | LDR-Biased | 23.836 | 23.363 | -0.473 |
| 51 | 10 | LDR-Biased | 23.331 | 23.425 | 0.094 |
| 52 | 10 | LDR-Unbiased | 23.307 | 23.886 | 0.579 |
| 53 | 10 | LDR-Unbiased | 24.222 | 24.13 | -0.092 |
| 55 | 10 | LDR-Unbiased | 24.344 | 23.142 | -1.202 |
| 56 | 10 | LDR-Unbiased | 23.521 | 23.334 | -0.187 |
| 57 | 10 | LDR-Unbiased | 23.556 | 24.116 | 0.56 |
| 76 | 30 | LDR-Biased | 23.813 | 23.405 | -0.408 |
| 78 | 30 | LDR-Biased | 23.913 | 24.05 | 0.137 |
| 79 | 30 | LDR-Biased | 23.926 | 23.79 | -0.136 |
| 80 | 30 | LDR-Biased | 23.836 | 23.141 | -0.695 |
| 81 | 30 | LDR-Biased | 23.331 | 23.643 | 0.312 |
| 82 | 30 | LDR-Unbiased | 23.307 | 23.876 | 0.569 |
| 83 | 30 | LDR-Unbiased | 24.222 | 24.198 | -0.024 |
| 84 | 30 | LDR-Unbiased | 23.556 | 24.24 | 0.684 |
| 85 | 30 | LDR-Unbiased | 24.344 | 23.051 | -1.293 |
| 86 | 30 | LDR-Unbiased | 23.521 | 23.372 | -0.149 |
| 87 | 100 | LDR-Biased | 23.593 | 23.554 | -0.039 |
| 88 | 100 | LDR-Biased | 24.046 | 23.744 | -0.302 |
| 90 | 100 | LDR-Biased | 23.93 | 23.771 | -0.159 |
| 91 | 100 | LDR-Unbiased | 23.305 | 23.668 | 0.363 |
| 93 | 100 | LDR-Unbiased | 23.334 | 23.442 | 0.108 |
| 94 | 100 | LDR-Unbiased | 24.043 | 23.571 | -0.472 |
| 95 | 100 | LDR-Unbiased | 24.02 | 23.672 | -0.348 |
| 96 | 100 | LDR-Unbiased | 23.546 | 23.372 | -0.174 |
| 106 | 50 | LDR-Biased | 23.813 | 23.17 | -0.643 |
| 108 | 50 | LDR-Biased | 23.913 | 23.983 | 0.07 |
| 109 | 50 | LDR-Biased | 23.926 | 23.498 | -0.428 |
| 110 | 50 | LDR-Biased | 23.836 | 23.454 | -0.382 |
| 111 | 50 | LDR-Biased | 23.331 | 23.67 | 0.339 |
| 112 | 50 | LDR-Unbiased | 23.307 | 23.703 | 0.396 |
| 113 | 50 | LDR-Unbiased | 24.222 | 23.982 | -0.24 |
| 115 | 50 | LDR-Unbiased | 24.344 | 22.965 | -1.379 |
| 116 | 50 | LDR-Unbiased | 23.521 | 23.33 | -0.191 |
| 117 | 50 | LDR-Unbiased | 23.556 | 24.141 | 0.585 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.495 | 23.635 | 23.775 | 0.19799 | 23.495 | 23.635 | 23.775 | 0.19799 | 0 | 0 | 0 | 0 |
| 3 | 23.307 | 23.777 | 24.344 | 0.34947 | 23.132 | 23.636 | 24.112 | 0.40847 | -1.212 | -0.141 | 0.577 | 0.54556 |
| 10 | 23.307 | 23.777 | 24.344 | 0.34947 | 23.13 | 23.645 | 24.13 | 0.40631 | -1.202 | -0.1316 | 0.579 | 0.54718 |
| 30 | 23.307 | 23.777 | 24.344 | 0.34947 | 23.051 | 23.677 | 24.24 | 0.42521 | -1.293 | -0.1003 | 0.684 | 0.59346 |
| 50 | 23.307 | 23.777 | 24.344 | 0.34947 | 22.965 | 23.59 | 24.141 | 0.37896 | -1.379 | -0.1873 | 0.585 | 0.57796 |
| 100 | 23.305 | 23.727 | 24.046 | 0.31891 | 23.372 | 23.599 | 23.771 | 0.14126 | -0.472 | -0.12787 | 0.363 | 0.26854 |

# Device Test: 5.76 tdly_Res1p18M_EN2_SD/EN2/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



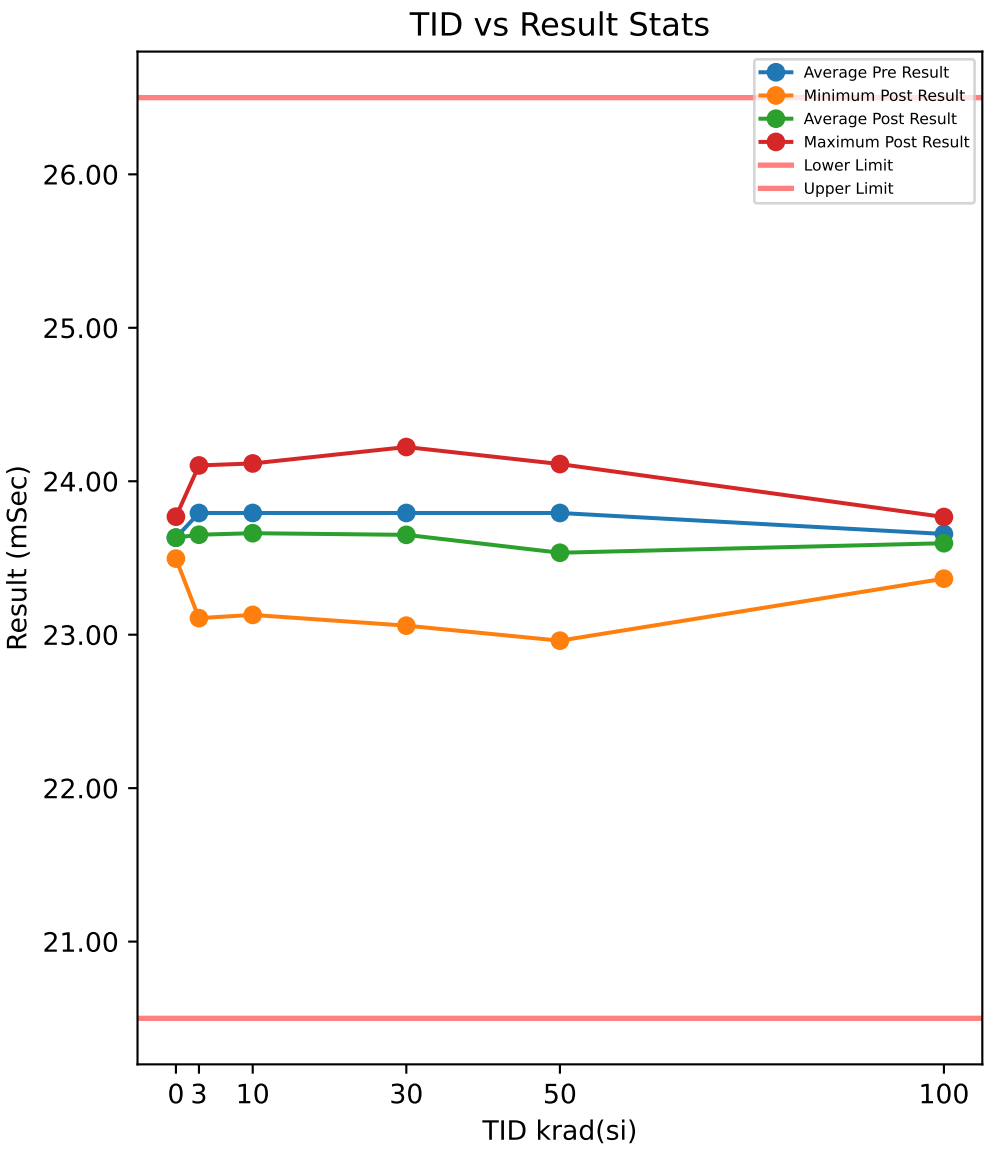

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

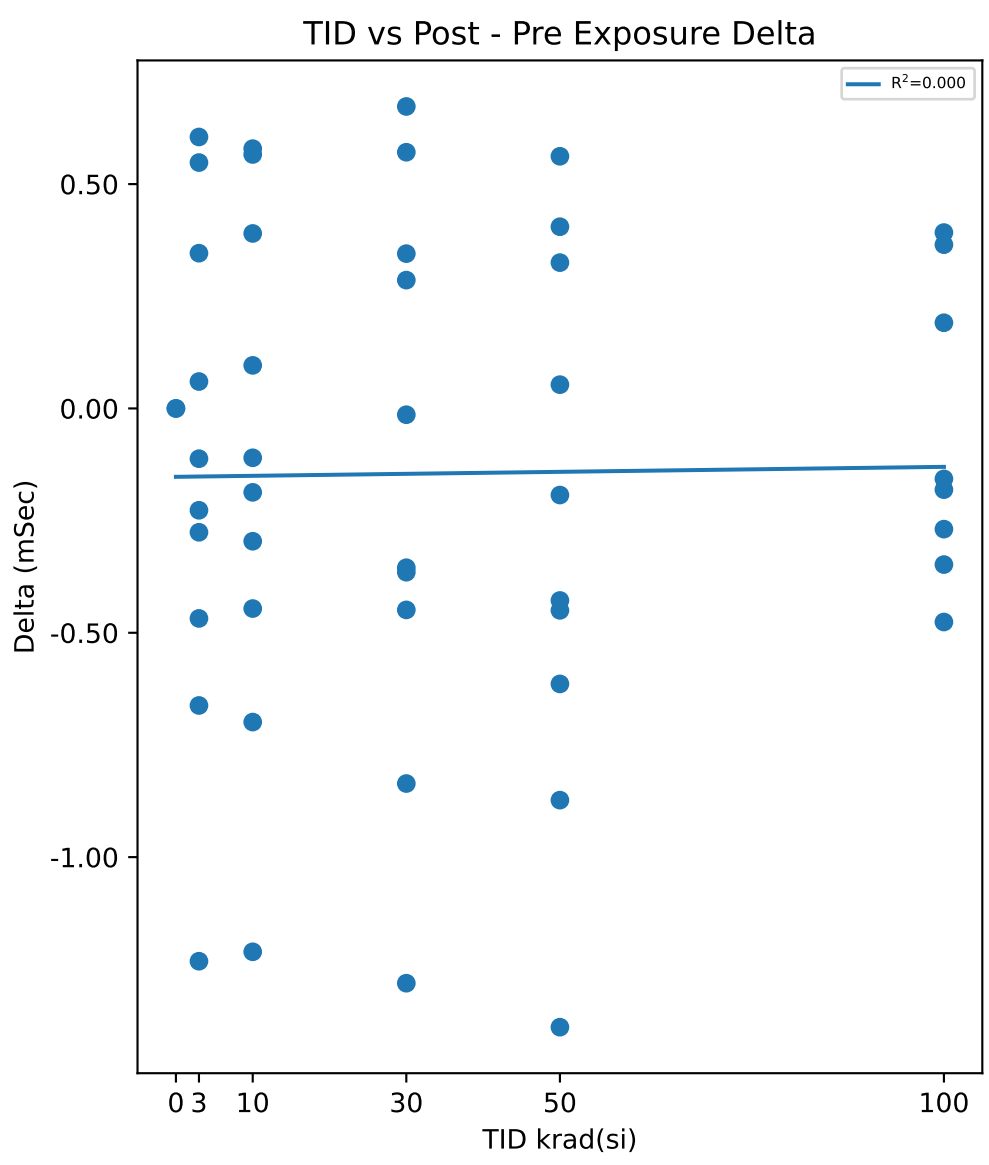
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.773 | 23.773 | 0 |
| 7 | 0 | Correlation | 23.501 | 23.501 | 0 |
| 16 | 3 | LDR-Biased | 24.036 | 23.37 | -0.666 |
| 18 | 3 | LDR-Biased | 23.921 | 24.059 | 0.138 |
| 19 | 3 | LDR-Biased | 24.153 | 23.863 | -0.29 |
| 20 | 3 | LDR-Biased | 23.836 | 23.353 | -0.483 |
| 21 | 3 | LDR-Biased | 23.33 | 23.391 | 0.061 |
| 22 | 3 | LDR-Unbiased | 23.306 | 23.911 | 0.605 |
| 23 | 3 | LDR-Unbiased | 24.222 | 24.11 | -0.112 |
| 25 | 3 | LDR-Unbiased | 24.342 | 23.127 | -1.215 |
| 26 | 3 | LDR-Unbiased | 23.302 | 23.294 | -0.008 |
| 27 | 3 | LDR-Unbiased | 23.556 | 24.107 | 0.551 |
| 46 | 10 | LDR-Biased | 24.036 | 23.111 | -0.925 |
| 48 | 10 | LDR-Biased | 23.921 | 24.099 | 0.178 |
| 49 | 10 | LDR-Biased | 24.153 | 23.852 | -0.301 |
| 50 | 10 | LDR-Biased | 23.836 | 23.387 | -0.449 |
| 51 | 10 | LDR-Biased | 23.33 | 23.402 | 0.072 |
| 52 | 10 | LDR-Unbiased | 23.306 | 23.881 | 0.575 |
| 53 | 10 | LDR-Unbiased | 24.222 | 24.128 | -0.094 |
| 55 | 10 | LDR-Unbiased | 24.342 | 22.926 | -1.416 |
| 56 | 10 | LDR-Unbiased | 23.302 | 23.118 | -0.184 |
| 57 | 10 | LDR-Unbiased | 23.556 | 24.111 | 0.555 |
| 76 | 30 | LDR-Biased | 24.036 | 23.408 | -0.628 |
| 78 | 30 | LDR-Biased | 23.921 | 23.839 | -0.082 |
| 79 | 30 | LDR-Biased | 24.153 | 23.791 | -0.362 |
| 80 | 30 | LDR-Biased | 23.836 | 23.373 | -0.463 |
| 81 | 30 | LDR-Biased | 23.33 | 23.643 | 0.313 |
| 82 | 30 | LDR-Unbiased | 23.306 | 23.876 | 0.57 |
| 83 | 30 | LDR-Unbiased | 24.222 | 24.207 | -0.015 |
| 84 | 30 | LDR-Unbiased | 23.556 | 24.223 | 0.667 |
| 85 | 30 | LDR-Unbiased | 24.342 | 23.065 | -1.277 |
| 86 | 30 | LDR-Unbiased | 23.302 | 23.149 | -0.153 |
| 87 | 100 | LDR-Biased | 23.585 | 23.553 | -0.032 |
| 88 | 100 | LDR-Biased | 24.046 | 23.769 | -0.277 |
| 90 | 100 | LDR-Biased | 23.935 | 23.773 | -0.162 |
| 91 | 100 | LDR-Unbiased | 23.306 | 23.662 | 0.356 |
| 93 | 100 | LDR-Unbiased | 23.335 | 23.444 | 0.109 |
| 94 | 100 | LDR-Unbiased | 24.044 | 23.329 | -0.715 |
| 95 | 100 | LDR-Unbiased | 24.019 | 23.673 | -0.346 |
| 96 | 100 | LDR-Unbiased | 23.554 | 23.374 | -0.18 |
| 106 | 50 | LDR-Biased | 24.036 | 23.384 | -0.652 |
| 108 | 50 | LDR-Biased | 23.921 | 23.984 | 0.063 |
| 109 | 50 | LDR-Biased | 24.153 | 23.494 | -0.659 |
| 110 | 50 | LDR-Biased | 23.836 | 23.431 | -0.405 |
| 111 | 50 | LDR-Biased | 23.33 | 23.672 | 0.342 |
| 112 | 50 | LDR-Unbiased | 23.306 | 23.926 | 0.62 |
| 113 | 50 | LDR-Unbiased | 24.222 | 24.003 | -0.219 |
| 115 | 50 | LDR-Unbiased | 24.342 | 22.967 | -1.375 |
| 116 | 50 | LDR-Unbiased | 23.302 | 23.301 | -0.001 |
| 117 | 50 | LDR-Unbiased | 23.556 | 23.91 | 0.354 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.501 | 23.637 | 23.773 | 0.19233 | 23.501 | 23.637 | 23.773 | 0.19233 | 0 | 0 | 0 | 0 |
| 3 | 23.302 | 23.8 | 24.342 | 0.40008 | 23.127 | 23.659 | 24.11 | 0.38506 | -1.215 | -0.1419 | 0.605 | 0.55185 |
| 10 | 23.302 | 23.8 | 24.342 | 0.40008 | 22.926 | 23.601 | 24.128 | 0.46448 | -1.416 | -0.1989 | 0.575 | 0.62142 |
| 30 | 23.302 | 23.8 | 24.342 | 0.40008 | 23.065 | 23.657 | 24.223 | 0.4046 | -1.277 | -0.143 | 0.667 | 0.58349 |
| 50 | 23.302 | 23.8 | 24.342 | 0.40008 | 22.967 | 23.607 | 24.003 | 0.34856 | -1.375 | -0.1932 | 0.62 | 0.59809 |
| 100 | 23.306 | 23.728 | 24.046 | 0.31887 | 23.329 | 23.572 | 23.773 | 0.17424 | -0.715 | -0.15588 | 0.356 | 0.31883 |

# Device Test: 5.77 tdly_Res1p18M_EN3_SD/EN3/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



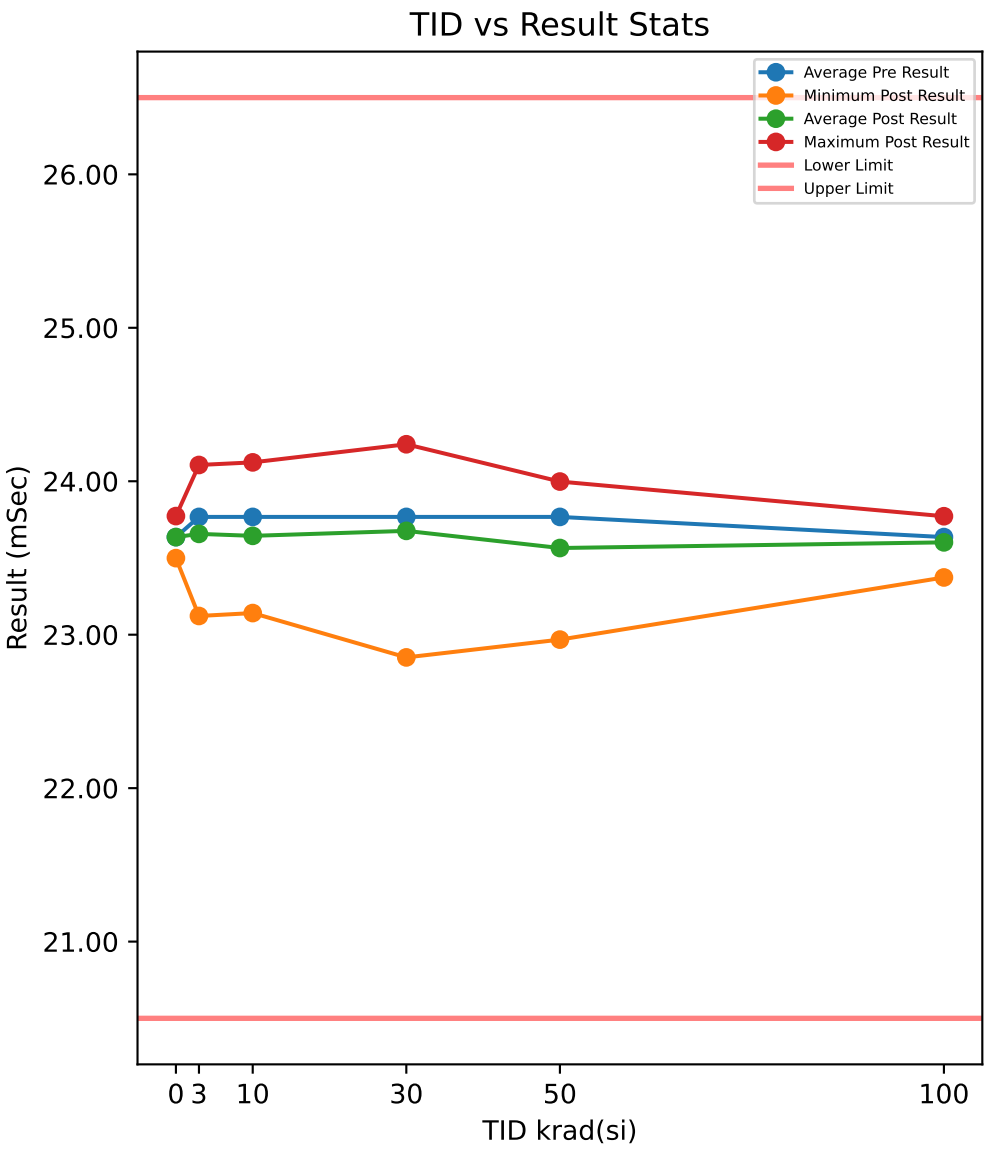

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

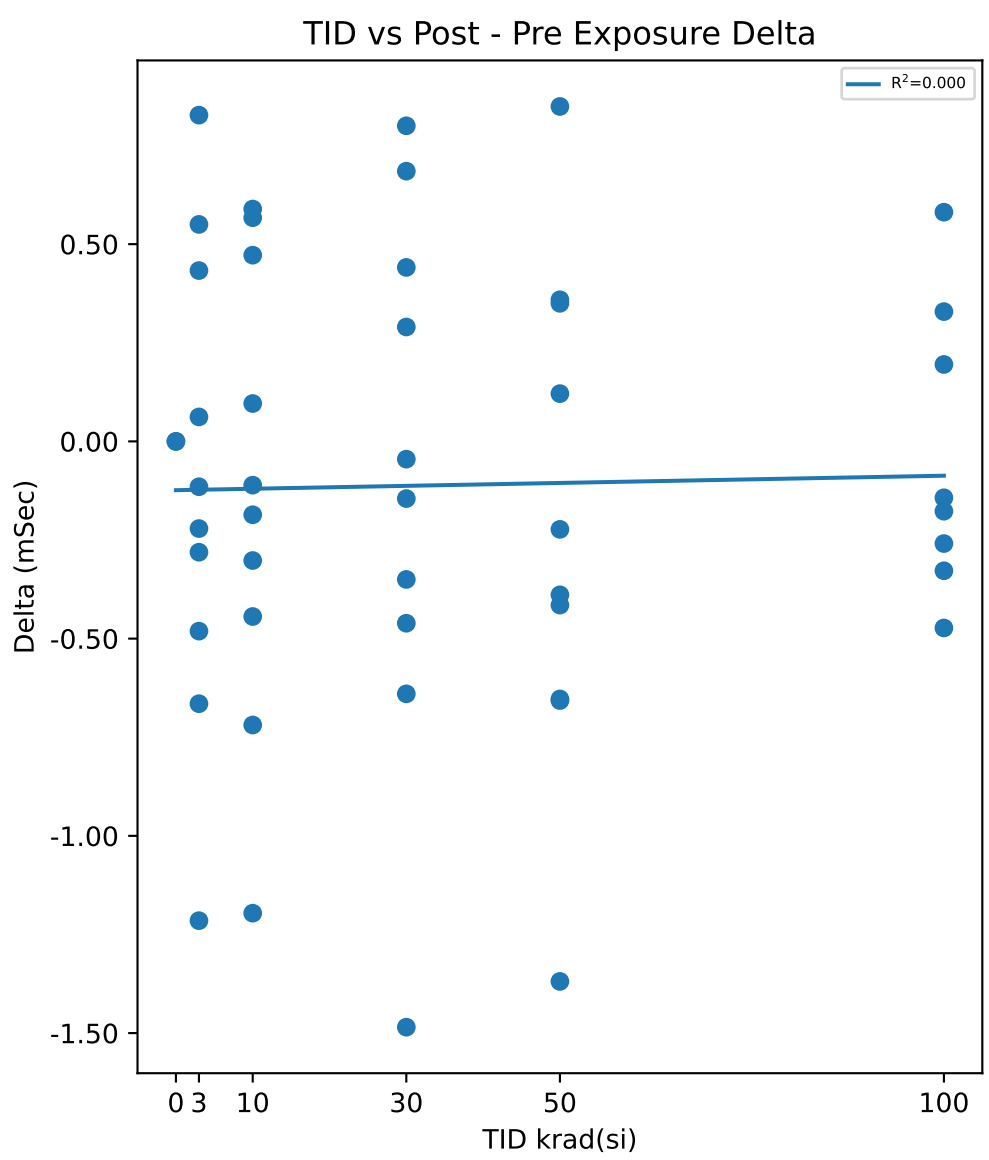
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.769 | 23.769 | 0 |
| 7 | 0 | Correlation | 23.496 | 23.496 | 0 |
| 16 | 3 | LDR-Biased | 24.027 | 23.365 | -0.662 |
| 18 | 3 | LDR-Biased | 23.704 | 24.05 | 0.346 |
| 19 | 3 | LDR-Biased | 24.142 | 23.866 | -0.276 |
| 20 | 3 | LDR-Biased | 23.813 | 23.345 | -0.468 |
| 21 | 3 | LDR-Biased | 23.326 | 23.386 | 0.06 |
| 22 | 3 | LDR-Unbiased | 23.298 | 23.903 | 0.605 |
| 23 | 3 | LDR-Unbiased | 24.215 | 24.103 | -0.112 |
| 25 | 3 | LDR-Unbiased | 24.34 | 23.108 | -1.232 |
| 26 | 3 | LDR-Unbiased | 23.517 | 23.29 | -0.227 |
| 27 | 3 | LDR-Unbiased | 23.55 | 24.098 | 0.548 |
| 46 | 10 | LDR-Biased | 24.027 | 23.328 | -0.699 |
| 48 | 10 | LDR-Biased | 23.704 | 24.094 | 0.39 |
| 49 | 10 | LDR-Biased | 24.142 | 23.846 | -0.296 |
| 50 | 10 | LDR-Biased | 23.813 | 23.367 | -0.446 |
| 51 | 10 | LDR-Biased | 23.326 | 23.422 | 0.096 |
| 52 | 10 | LDR-Unbiased | 23.298 | 23.877 | 0.579 |
| 53 | 10 | LDR-Unbiased | 24.215 | 24.105 | -0.11 |
| 55 | 10 | LDR-Unbiased | 24.34 | 23.129 | -1.211 |
| 56 | 10 | LDR-Unbiased | 23.517 | 23.33 | -0.187 |
| 57 | 10 | LDR-Unbiased | 23.55 | 24.116 | 0.566 |
| 76 | 30 | LDR-Biased | 24.027 | 23.191 | -0.836 |
| 78 | 30 | LDR-Biased | 23.704 | 24.049 | 0.345 |
| 79 | 30 | LDR-Biased | 24.142 | 23.787 | -0.355 |
| 80 | 30 | LDR-Biased | 23.813 | 23.364 | -0.449 |
| 81 | 30 | LDR-Biased | 23.326 | 23.612 | 0.286 |
| 82 | 30 | LDR-Unbiased | 23.298 | 23.869 | 0.571 |
| 83 | 30 | LDR-Unbiased | 24.215 | 24.201 | -0.014 |
| 84 | 30 | LDR-Unbiased | 23.55 | 24.223 | 0.673 |
| 85 | 30 | LDR-Unbiased | 24.34 | 23.059 | -1.281 |
| 86 | 30 | LDR-Unbiased | 23.517 | 23.152 | -0.365 |
| 87 | 100 | LDR-Biased | 23.355 | 23.546 | 0.191 |
| 88 | 100 | LDR-Biased | 24.034 | 23.765 | -0.269 |
| 90 | 100 | LDR-Biased | 23.924 | 23.767 | -0.157 |
| 91 | 100 | LDR-Unbiased | 23.3 | 23.665 | 0.365 |
| 93 | 100 | LDR-Unbiased | 23.044 | 23.436 | 0.392 |
| 94 | 100 | LDR-Unbiased | 24.037 | 23.561 | -0.476 |
| 95 | 100 | LDR-Unbiased | 24.012 | 23.664 | -0.348 |
| 96 | 100 | LDR-Unbiased | 23.546 | 23.365 | -0.181 |
| 106 | 50 | LDR-Biased | 24.027 | 23.154 | -0.873 |
| 108 | 50 | LDR-Biased | 23.704 | 23.757 | 0.053 |
| 109 | 50 | LDR-Biased | 24.142 | 23.692 | -0.45 |
| 110 | 50 | LDR-Biased | 23.813 | 23.199 | -0.614 |
| 111 | 50 | LDR-Biased | 23.326 | 23.651 | 0.325 |
| 112 | 50 | LDR-Unbiased | 23.298 | 23.703 | 0.405 |
| 113 | 50 | LDR-Unbiased | 24.215 | 23.787 | -0.428 |
| 115 | 50 | LDR-Unbiased | 24.34 | 22.961 | -1.379 |
| 116 | 50 | LDR-Unbiased | 23.517 | 23.324 | -0.193 |
| 117 | 50 | LDR-Unbiased | 23.55 | 24.112 | 0.562 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.496 | 23.633 | 23.769 | 0.19304 | 23.496 | 23.633 | 23.769 | 0.19304 | 0 | 0 | 0 | 0 |
| 3 | 23.298 | 23.793 | 24.34 | 0.37424 | 23.108 | 23.651 | 24.103 | 0.38642 | -1.232 | -0.1418 | 0.605 | 0.56803 |
| 10 | 23.298 | 23.793 | 24.34 | 0.37424 | 23.129 | 23.661 | 24.116 | 0.38291 | -1.211 | -0.1318 | 0.579 | 0.57076 |
| 30 | 23.298 | 23.793 | 24.34 | 0.37424 | 23.059 | 23.651 | 24.223 | 0.44084 | -1.281 | -0.1425 | 0.673 | 0.63049 |
| 50 | 23.298 | 23.793 | 24.34 | 0.37424 | 22.961 | 23.534 | 24.112 | 0.35654 | -1.379 | -0.2592 | 0.562 | 0.61284 |
| 100 | 23.044 | 23.657 | 24.037 | 0.39471 | 23.365 | 23.596 | 23.767 | 0.14632 | -0.476 | -0.060375 | 0.392 | 0.33202 |

# Device Test: 5.78 tdly_Res1p18M_EN4_SD/EN4/1.6/3/1.18M/0/0/@DLY_TMR_1MOHM



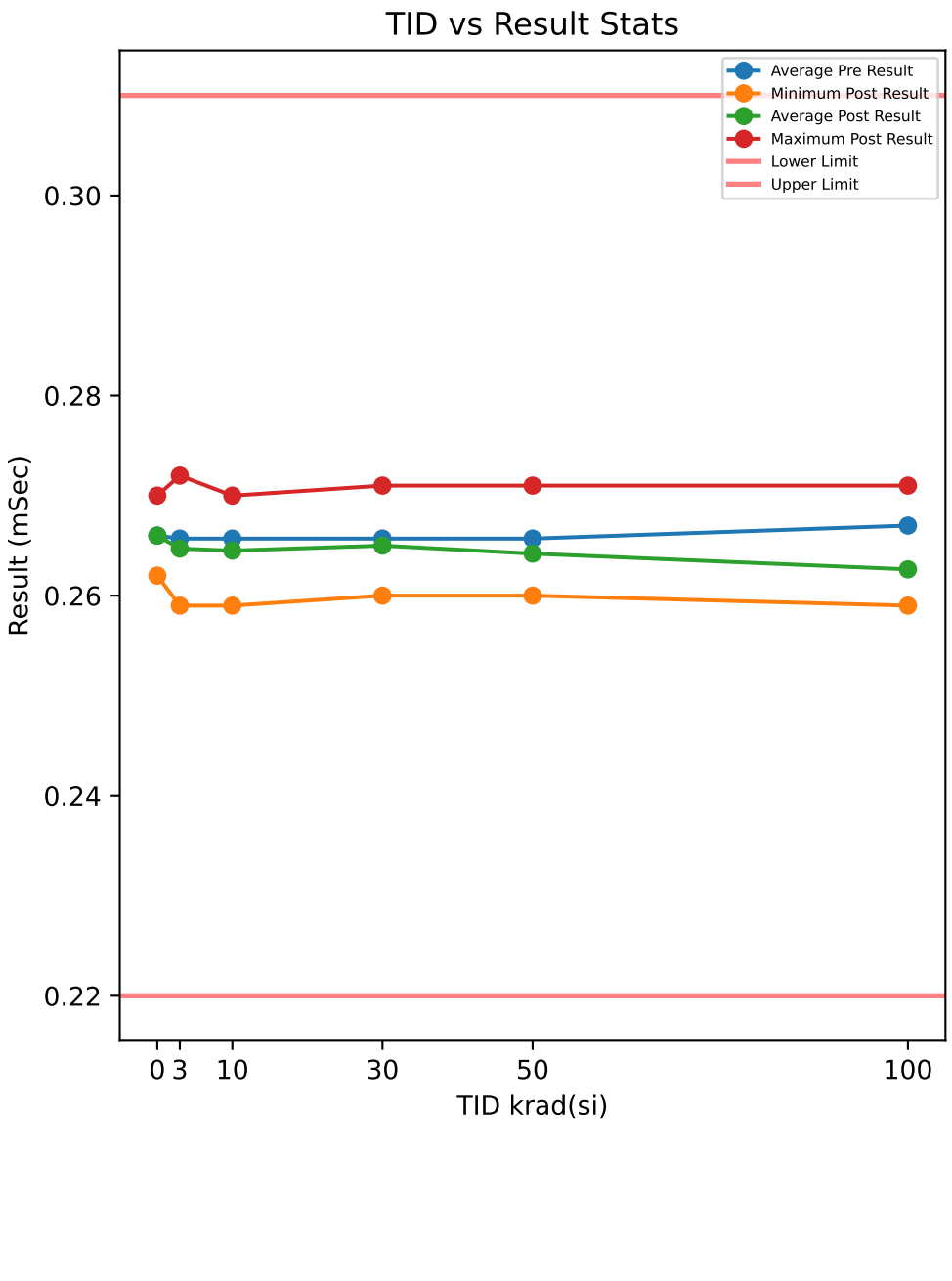

Test Results (Lower Limit = 20.5, Upper Limit = 26.5 (mSec))

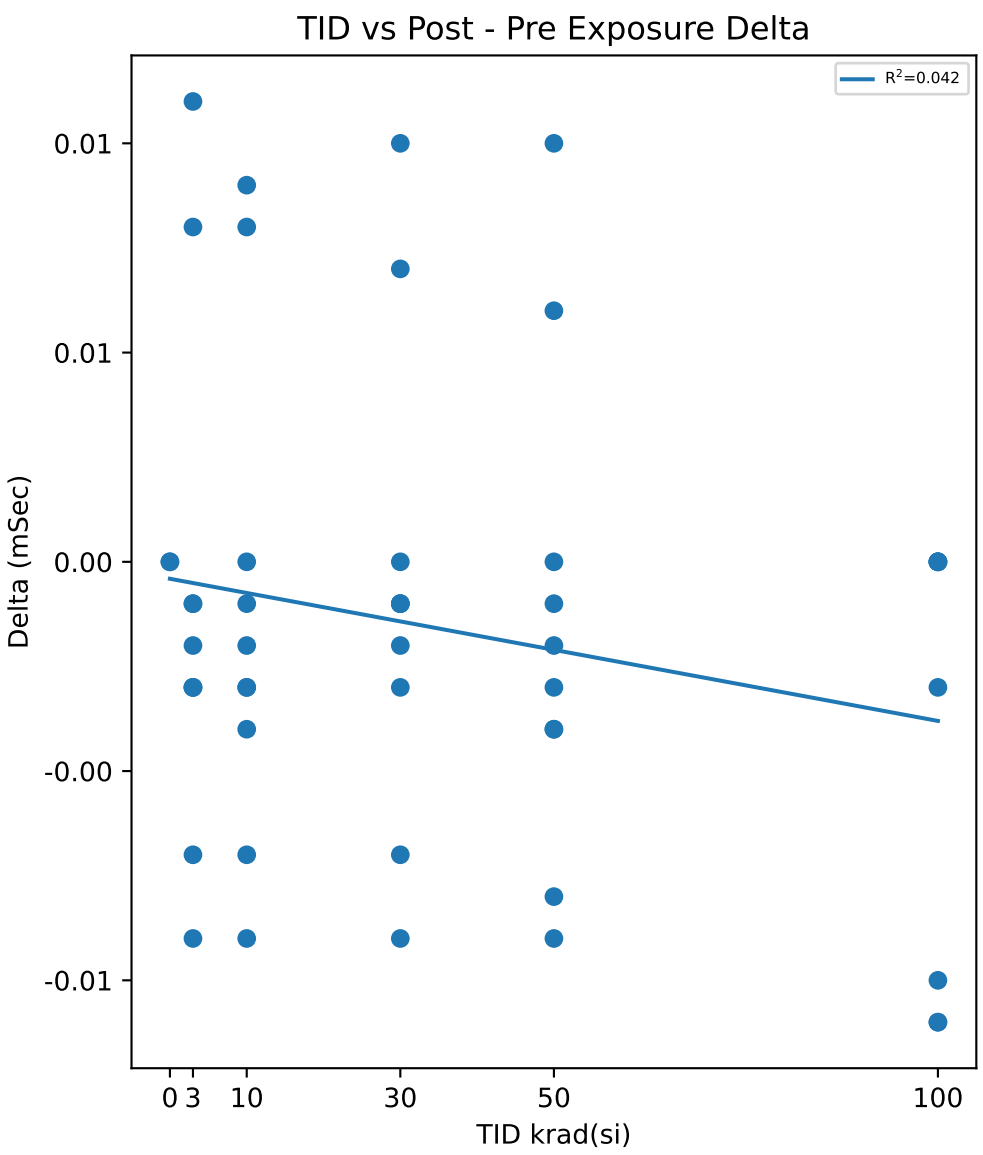
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 23.773 | 23.773 | 0 |
| 7 | 0 | Correlation | 23.499 | 23.499 | 0 |
| 16 | 3 | LDR-Biased | 24.034 | 23.369 | -0.665 |
| 18 | 3 | LDR-Biased | 23.624 | 24.057 | 0.433 |
| 19 | 3 | LDR-Biased | 24.153 | 23.872 | -0.281 |
| 20 | 3 | LDR-Biased | 23.831 | 23.35 | -0.481 |
| 21 | 3 | LDR-Biased | 23.329 | 23.391 | 0.062 |
| 22 | 3 | LDR-Unbiased | 23.076 | 23.903 | 0.827 |
| 23 | 3 | LDR-Unbiased | 24.221 | 24.106 | -0.115 |
| 25 | 3 | LDR-Unbiased | 24.337 | 23.122 | -1.215 |
| 26 | 3 | LDR-Unbiased | 23.515 | 23.294 | -0.221 |
| 27 | 3 | LDR-Unbiased | 23.556 | 24.106 | 0.55 |
| 46 | 10 | LDR-Biased | 24.034 | 23.315 | -0.719 |
| 48 | 10 | LDR-Biased | 23.624 | 24.096 | 0.472 |
| 49 | 10 | LDR-Biased | 24.153 | 23.851 | -0.302 |
| 50 | 10 | LDR-Biased | 23.831 | 23.387 | -0.444 |
| 51 | 10 | LDR-Biased | 23.329 | 23.425 | 0.096 |
| 52 | 10 | LDR-Unbiased | 23.076 | 23.665 | 0.589 |
| 53 | 10 | LDR-Unbiased | 24.221 | 24.11 | -0.111 |
| 55 | 10 | LDR-Unbiased | 24.337 | 23.141 | -1.196 |
| 56 | 10 | LDR-Unbiased | 23.515 | 23.329 | -0.186 |
| 57 | 10 | LDR-Unbiased | 23.556 | 24.123 | 0.567 |
| 76 | 30 | LDR-Biased | 24.034 | 23.394 | -0.64 |
| 78 | 30 | LDR-Biased | 23.624 | 24.065 | 0.441 |
| 79 | 30 | LDR-Biased | 24.153 | 23.803 | -0.35 |
| 80 | 30 | LDR-Biased | 23.831 | 23.37 | -0.461 |
| 81 | 30 | LDR-Biased | 23.329 | 23.619 | 0.29 |
| 82 | 30 | LDR-Unbiased | 23.076 | 23.876 | 0.8 |
| 83 | 30 | LDR-Unbiased | 24.221 | 24.176 | -0.045 |
| 84 | 30 | LDR-Unbiased | 23.556 | 24.241 | 0.685 |
| 85 | 30 | LDR-Unbiased | 24.337 | 22.852 | -1.485 |
| 86 | 30 | LDR-Unbiased | 23.515 | 23.37 | -0.145 |
| 87 | 100 | LDR-Biased | 23.357 | 23.552 | 0.195 |
| 88 | 100 | LDR-Biased | 24.029 | 23.77 | -0.259 |
| 90 | 100 | LDR-Biased | 23.915 | 23.772 | -0.143 |
| 91 | 100 | LDR-Unbiased | 23.087 | 23.668 | 0.581 |
| 93 | 100 | LDR-Unbiased | 23.112 | 23.441 | 0.329 |
| 94 | 100 | LDR-Unbiased | 24.043 | 23.57 | -0.473 |
| 95 | 100 | LDR-Unbiased | 23.996 | 23.668 | -0.328 |
| 96 | 100 | LDR-Unbiased | 23.55 | 23.373 | -0.177 |
| 106 | 50 | LDR-Biased | 24.034 | 23.381 | -0.653 |
| 108 | 50 | LDR-Biased | 23.624 | 23.983 | 0.359 |
| 109 | 50 | LDR-Biased | 24.153 | 23.496 | -0.657 |
| 110 | 50 | LDR-Biased | 23.831 | 23.442 | -0.389 |
| 111 | 50 | LDR-Biased | 23.329 | 23.45 | 0.121 |
| 112 | 50 | LDR-Unbiased | 23.076 | 23.925 | 0.849 |
| 113 | 50 | LDR-Unbiased | 24.221 | 23.998 | -0.223 |
| 115 | 50 | LDR-Unbiased | 24.337 | 22.968 | -1.369 |
| 116 | 50 | LDR-Unbiased | 23.515 | 23.1 | -0.415 |
| 117 | 50 | LDR-Unbiased | 23.556 | 23.906 | 0.35 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 23.499 | 23.636 | 23.773 | 0.19375 | 23.499 | 23.636 | 23.773 | 0.19375 | 0 | 0 | 0 | 0 |
| 3 | 23.076 | 23.768 | 24.337 | 0.41542 | 23.122 | 23.657 | 24.106 | 0.38527 | -1.215 | -0.1106 | 0.827 | 0.60976 |
| 10 | 23.076 | 23.768 | 24.337 | 0.41542 | 23.141 | 23.644 | 24.123 | 0.37545 | -1.196 | -0.1234 | 0.589 | 0.5803 |
| 30 | 23.076 | 23.768 | 24.337 | 0.41542 | 22.852 | 23.677 | 24.241 | 0.43789 | -1.485 | -0.091 | 0.8 | 0.68944 |
| 50 | 23.076 | 23.768 | 24.337 | 0.41542 | 22.968 | 23.565 | 23.998 | 0.37233 | -1.369 | -0.2027 | 0.849 | 0.63957 |
| 100 | 23.087 | 23.636 | 24.043 | 0.41209 | 23.373 | 23.602 | 23.772 | 0.14527 | -0.473 | -0.034375 | 0.581 | 0.36343 |

# Device Test: 5.79 tdly_Res10p5K_EN1_SU/EN1/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



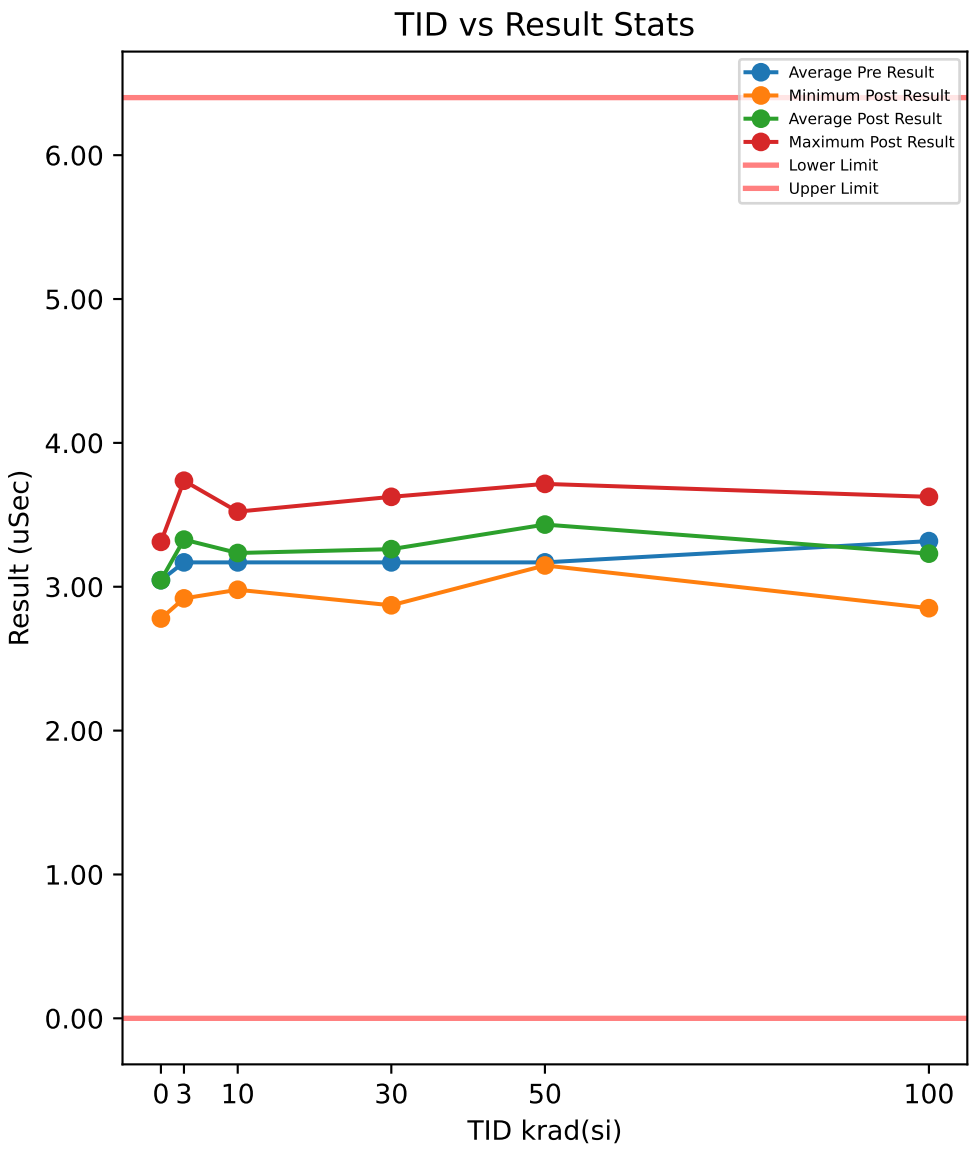

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

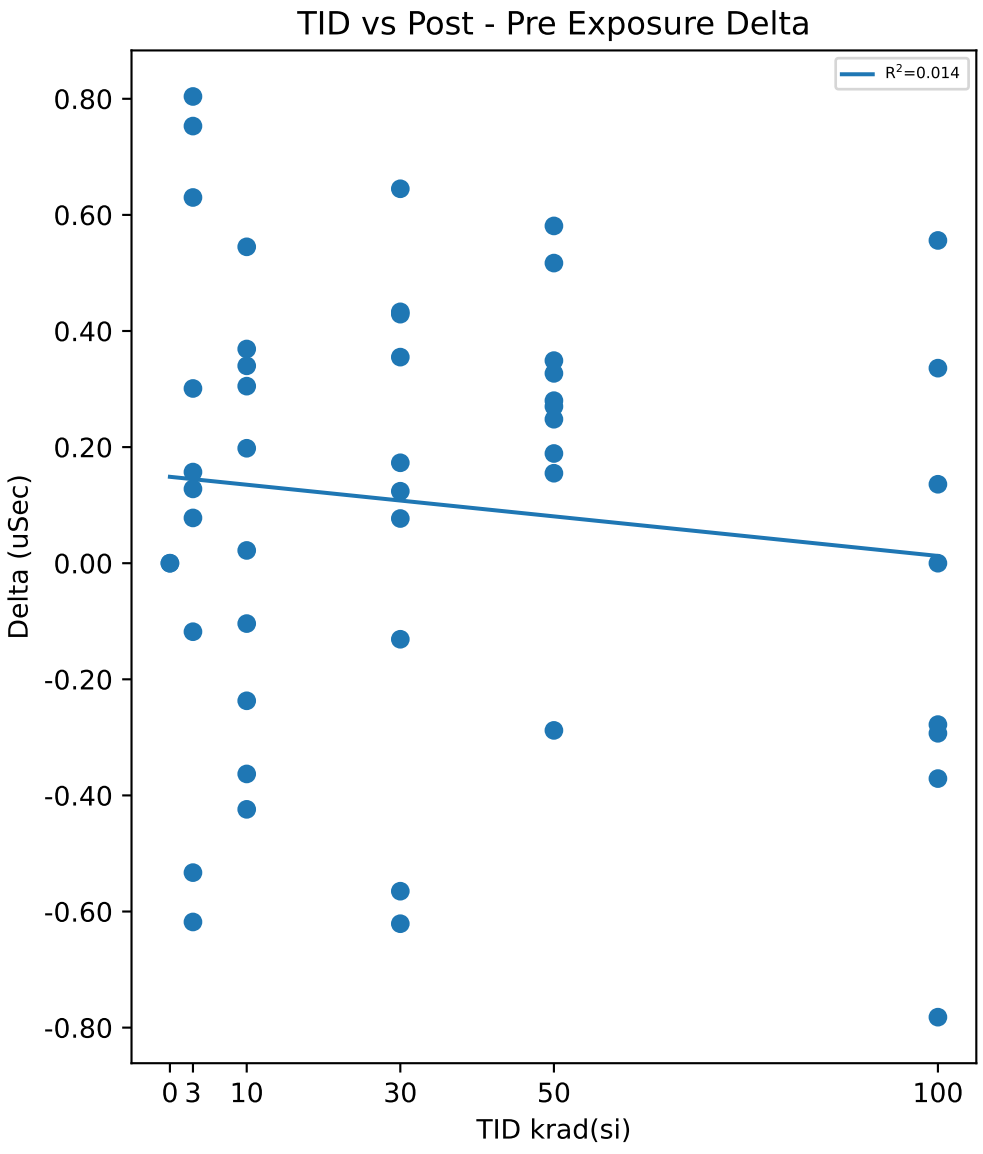
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 20 | 3 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 21 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 46 | 10 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 48 | 10 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 49 | 10 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 50 | 10 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 76 | 30 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 78 | 30 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.261 | -0.001 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.26 | 0.26 | 0 |
| 88 | 100 | LDR-Biased | 0.271 | 0.271 | 0 |
| 90 | 100 | LDR-Biased | 0.27 | 0.27 | 0 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.26 | 0 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.261 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.261 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.27 | 0.259 | -0.011 |
| 106 | 50 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 108 | 50 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 111 | 50 | LDR-Biased | 0.261 | 0.261 | 0 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.268 | 0.006 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.268 | -0.004 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.266 | 0.27 | 0.0056569 | 0.262 | 0.266 | 0.27 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2657 | 0.272 | 0.0045473 | 0.259 | 0.2647 | 0.272 | 0.00462 | -0.009 | -0.001 | 0.011 | 0.0061283 |
| 10 | 0.261 | 0.2657 | 0.272 | 0.0045473 | 0.259 | 0.2645 | 0.27 | 0.0046488 | -0.009 | -0.0012 | 0.009 | 0.0057697 |
| 30 | 0.261 | 0.2657 | 0.272 | 0.0045473 | 0.26 | 0.265 | 0.271 | 0.0040552 | -0.009 | -0.0007 | 0.01 | 0.0056774 |
| 50 | 0.261 | 0.2657 | 0.272 | 0.0045473 | 0.26 | 0.2642 | 0.271 | 0.0042895 | -0.009 | -0.0015 | 0.01 | 0.0058166 |
| 100 | 0.26 | 0.267 | 0.272 | 0.0053184 | 0.259 | 0.26262 | 0.271 | 0.0049262 | -0.011 | -0.004375 | 0 | 0.0053168 |

# Device Test: 5.8 tpd_EN3_SD/EN3/1.6/3/0/0/0/@TPD_EN



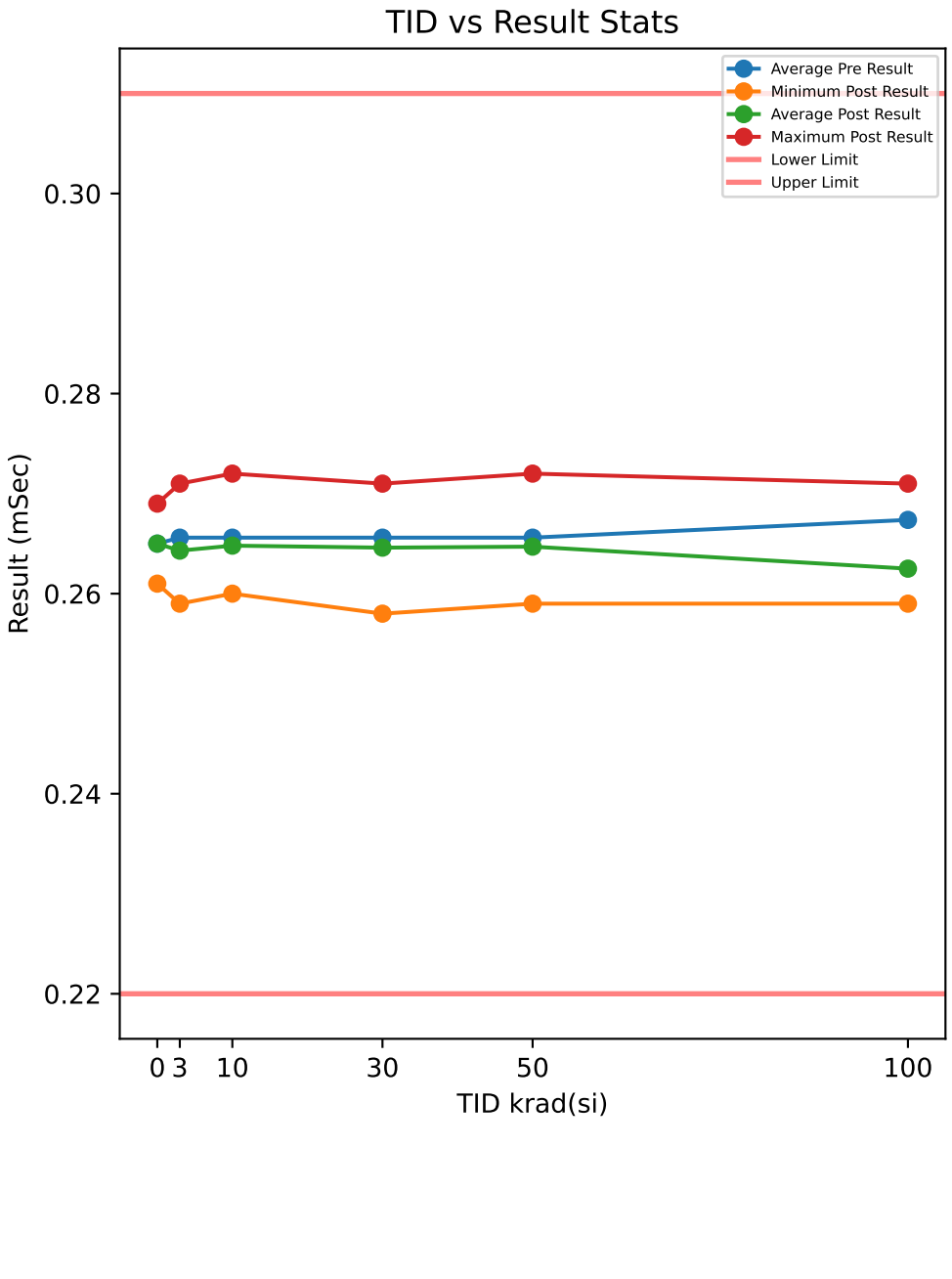

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

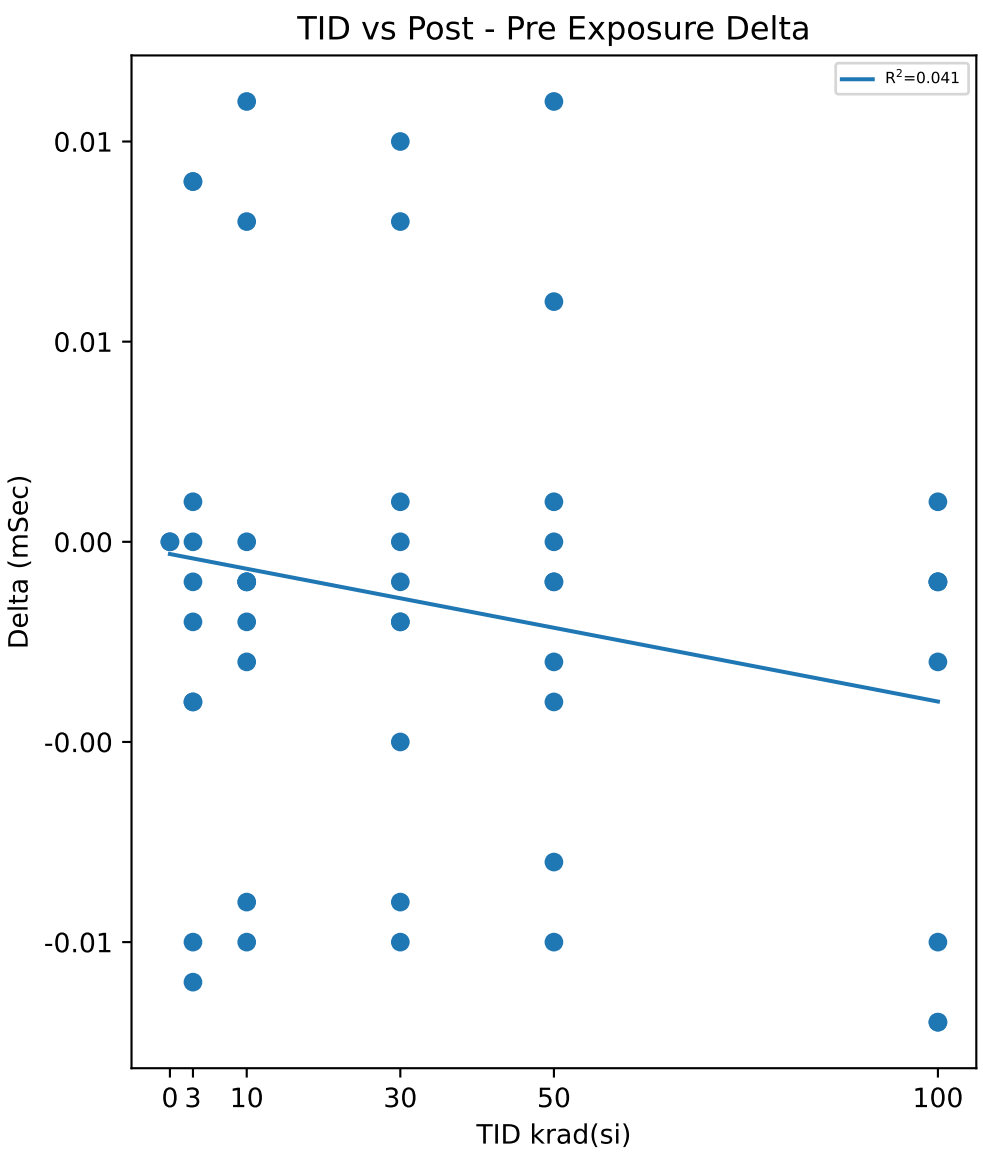
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.312 | 3.312 | 0 |
| 7 | 0 | Correlation | 2.779 | 2.779 | 0 |
| 16 | 3 | LDR-Biased | 2.915 | 3.668 | 0.753 |
| 18 | 3 | LDR-Biased | 3.342 | 3.47 | 0.128 |
| 19 | 3 | LDR-Biased | 2.855 | 2.933 | 0.078 |
| 20 | 3 | LDR-Biased | 2.915 | 3.545 | 0.63 |
| 21 | 3 | LDR-Biased | 3.452 | 2.919 | -0.533 |
| 22 | 3 | LDR-Unbiased | 3.283 | 3.165 | -0.118 |
| 23 | 3 | LDR-Unbiased | 3.436 | 3.737 | 0.301 |
| 25 | 3 | LDR-Unbiased | 2.783 | 3.587 | 0.804 |
| 26 | 3 | LDR-Unbiased | 3.56 | 2.942 | -0.618 |
| 27 | 3 | LDR-Unbiased | 3.153 | 3.31 | 0.157 |
| 46 | 10 | LDR-Biased | 2.915 | 3.22 | 0.305 |
| 48 | 10 | LDR-Biased | 3.342 | 2.979 | -0.363 |
| 49 | 10 | LDR-Biased | 2.855 | 3.053 | 0.198 |
| 50 | 10 | LDR-Biased | 2.915 | 3.46 | 0.545 |
| 51 | 10 | LDR-Biased | 3.452 | 3.028 | -0.424 |
| 52 | 10 | LDR-Unbiased | 3.283 | 3.046 | -0.237 |
| 53 | 10 | LDR-Unbiased | 3.436 | 3.458 | 0.022 |
| 55 | 10 | LDR-Unbiased | 2.783 | 3.123 | 0.34 |
| 56 | 10 | LDR-Unbiased | 3.56 | 3.456 | -0.104 |
| 57 | 10 | LDR-Unbiased | 3.153 | 3.522 | 0.369 |
| 76 | 30 | LDR-Biased | 2.915 | 3.27 | 0.355 |
| 78 | 30 | LDR-Biased | 3.342 | 3.211 | -0.131 |
| 79 | 30 | LDR-Biased | 2.855 | 3.5 | 0.645 |
| 80 | 30 | LDR-Biased | 2.915 | 3.344 | 0.429 |
| 81 | 30 | LDR-Biased | 3.452 | 3.625 | 0.173 |
| 82 | 30 | LDR-Unbiased | 3.283 | 3.36 | 0.077 |
| 83 | 30 | LDR-Unbiased | 3.436 | 2.871 | -0.565 |
| 84 | 30 | LDR-Unbiased | 3.153 | 3.586 | 0.433 |
| 85 | 30 | LDR-Unbiased | 2.783 | 2.907 | 0.124 |
| 86 | 30 | LDR-Unbiased | 3.56 | 2.939 | -0.621 |
| 87 | 100 | LDR-Biased | 3.47 | 3.47 | 0 |
| 88 | 100 | LDR-Biased | 3.732 | 2.95 | -0.782 |
| 90 | 100 | LDR-Biased | 3.052 | 3.388 | 0.336 |
| 91 | 100 | LDR-Unbiased | 3.222 | 2.851 | -0.371 |
| 93 | 100 | LDR-Unbiased | 3.045 | 3.181 | 0.136 |
| 94 | 100 | LDR-Unbiased | 3.714 | 3.436 | -0.278 |
| 95 | 100 | LDR-Unbiased | 3.069 | 3.625 | 0.556 |
| 96 | 100 | LDR-Unbiased | 3.233 | 2.94 | -0.293 |
| 106 | 50 | LDR-Biased | 2.915 | 3.185 | 0.27 |
| 108 | 50 | LDR-Biased | 3.342 | 3.622 | 0.28 |
| 109 | 50 | LDR-Biased | 2.855 | 3.182 | 0.327 |
| 110 | 50 | LDR-Biased | 2.915 | 3.432 | 0.517 |
| 111 | 50 | LDR-Biased | 3.452 | 3.641 | 0.189 |
| 112 | 50 | LDR-Unbiased | 3.283 | 3.531 | 0.248 |
| 113 | 50 | LDR-Unbiased | 3.436 | 3.148 | -0.288 |
| 115 | 50 | LDR-Unbiased | 2.783 | 3.364 | 0.581 |
| 116 | 50 | LDR-Unbiased | 3.56 | 3.715 | 0.155 |
| 117 | 50 | LDR-Unbiased | 3.153 | 3.502 | 0.349 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.779 | 3.0455 | 3.312 | 0.37689 | 2.779 | 3.0455 | 3.312 | 0.37689 | 0 | 0 | 0 | 0 |
| 3 | 2.783 | 3.1694 | 3.56 | 0.28364 | 2.919 | 3.3276 | 3.737 | 0.3191 | -0.618 | 0.1582 | 0.804 | 0.4919 |
| 10 | 2.783 | 3.1694 | 3.56 | 0.28364 | 2.979 | 3.2345 | 3.522 | 0.21643 | -0.424 | 0.0651 | 0.545 | 0.33626 |
| 30 | 2.783 | 3.1694 | 3.56 | 0.28364 | 2.871 | 3.2613 | 3.625 | 0.27801 | -0.621 | 0.0919 | 0.645 | 0.42195 |
| 50 | 2.783 | 3.1694 | 3.56 | 0.28364 | 3.148 | 3.4322 | 3.715 | 0.20639 | -0.288 | 0.2628 | 0.581 | 0.23533 |
| 100 | 3.045 | 3.3171 | 3.732 | 0.28661 | 2.851 | 3.2301 | 3.625 | 0.29021 | -0.782 | -0.087 | 0.556 | 0.42966 |

# Device Test: 5.80 tdly_Res10p5K_EN2_SU/EN2/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



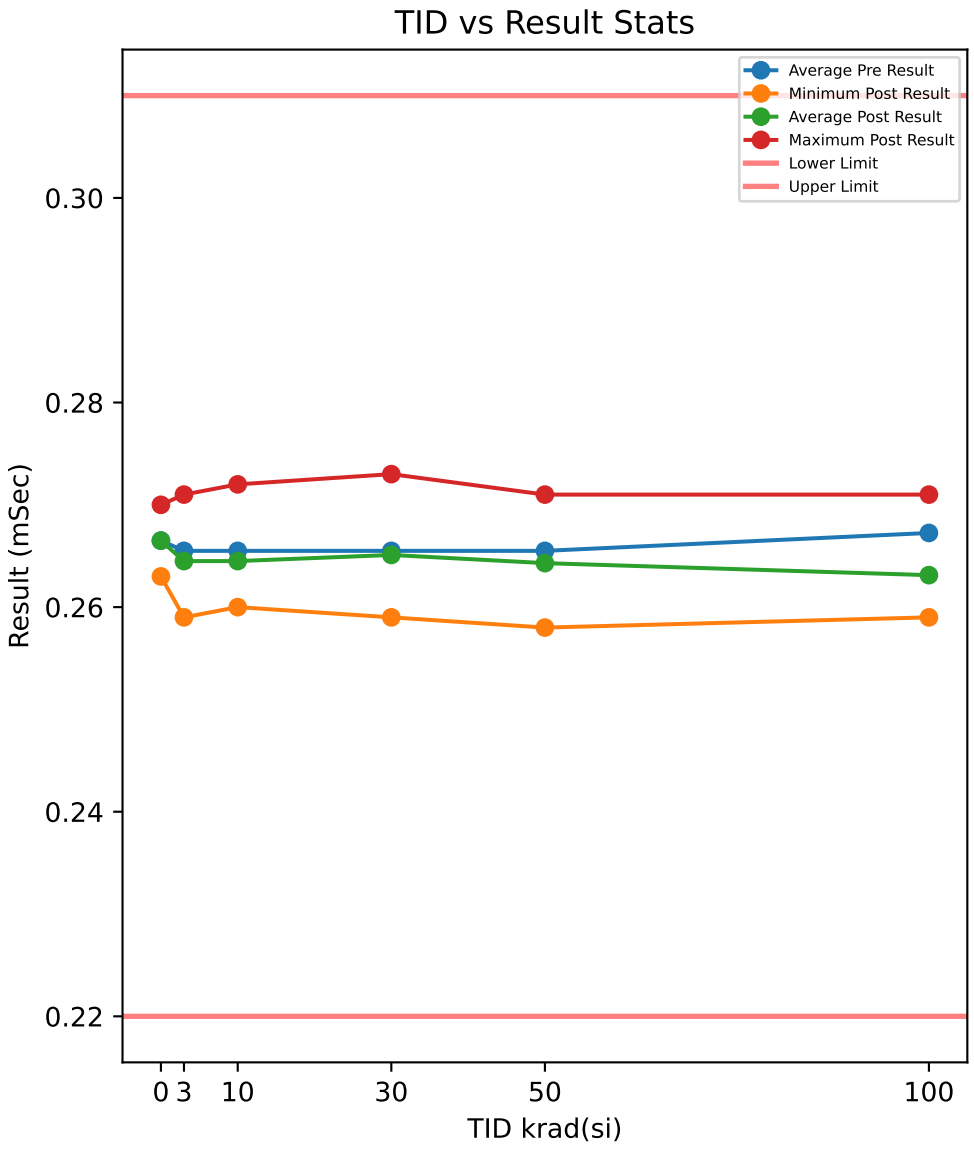

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

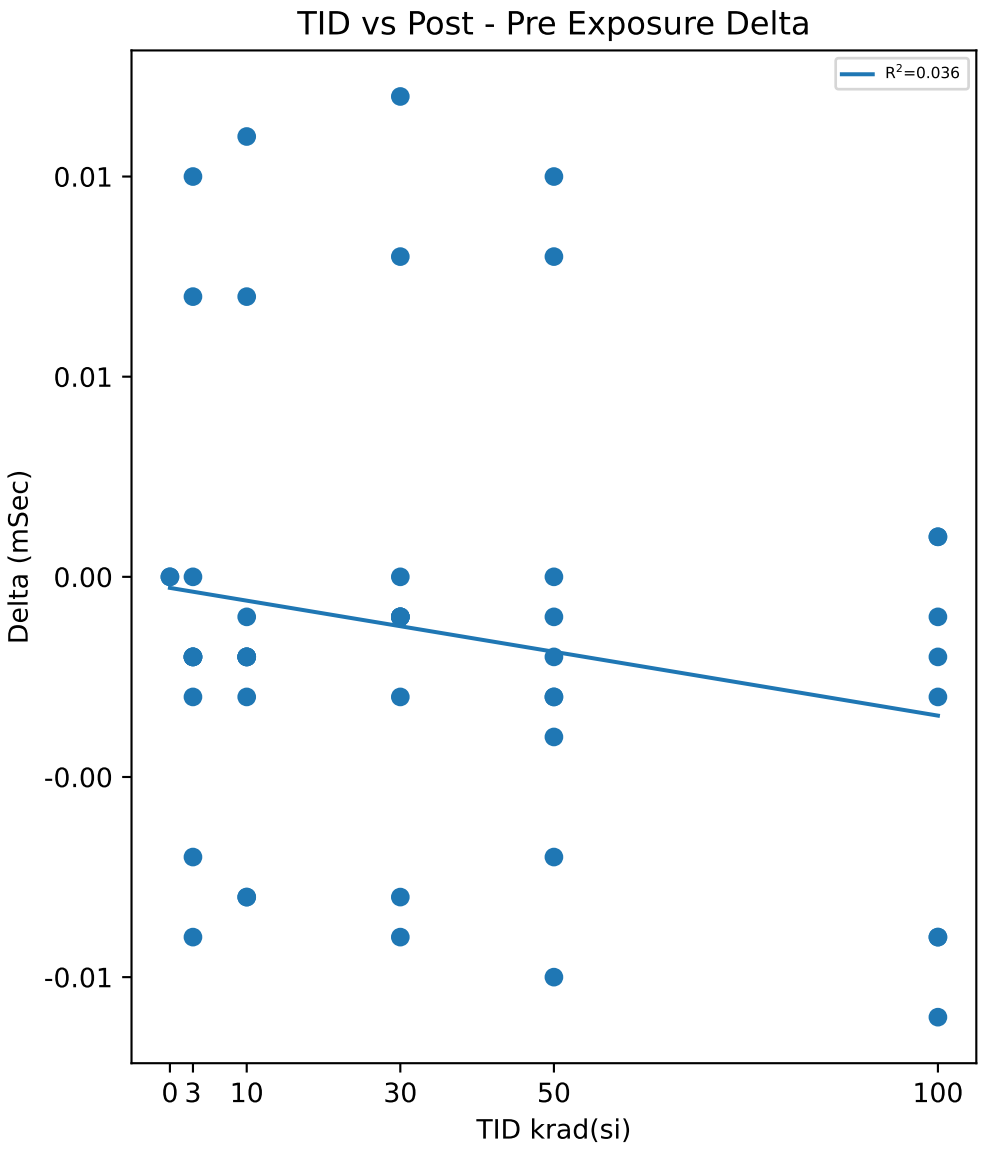
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.269 | 0.269 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.273 | 0.262 | -0.011 |
| 18 | 3 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 19 | 3 | LDR-Biased | 0.262 | 0.262 | 0 |
| 20 | 3 | LDR-Biased | 0.27 | 0.26 | -0.01 |
| 21 | 3 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.268 | -0.004 |
| 46 | 10 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 48 | 10 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 49 | 10 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 50 | 10 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 51 | 10 | LDR-Biased | 0.26 | 0.26 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 76 | 30 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 78 | 30 | LDR-Biased | 0.27 | 0.27 | 0 |
| 79 | 30 | LDR-Biased | 0.262 | 0.26 | -0.002 |
| 80 | 30 | LDR-Biased | 0.27 | 0.26 | -0.01 |
| 81 | 30 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.258 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.26 | 0.259 | -0.001 |
| 88 | 100 | LDR-Biased | 0.27 | 0.271 | 0.001 |
| 90 | 100 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.26 | -0.012 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.261 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.259 | -0.012 |
| 106 | 50 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 108 | 50 | LDR-Biased | 0.27 | 0.27 | 0 |
| 109 | 50 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 110 | 50 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 111 | 50 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.268 | 0.006 |
| 113 | 50 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.265 | 0.269 | 0.0056569 | 0.261 | 0.265 | 0.269 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2656 | 0.273 | 0.0050155 | 0.259 | 0.2643 | 0.271 | 0.0044485 | -0.011 | -0.0013 | 0.009 | 0.0067007 |
| 10 | 0.26 | 0.2656 | 0.273 | 0.0050155 | 0.26 | 0.2648 | 0.272 | 0.0048259 | -0.01 | -0.0008 | 0.011 | 0.0064601 |
| 30 | 0.26 | 0.2656 | 0.273 | 0.0050155 | 0.258 | 0.2646 | 0.271 | 0.0051034 | -0.01 | -0.001 | 0.01 | 0.0064118 |
| 50 | 0.26 | 0.2656 | 0.273 | 0.0050155 | 0.259 | 0.2647 | 0.272 | 0.0045717 | -0.01 | -0.0009 | 0.011 | 0.0061545 |
| 100 | 0.26 | 0.26738 | 0.272 | 0.0051807 | 0.259 | 0.2625 | 0.271 | 0.0050143 | -0.012 | -0.004875 | 0.001 | 0.0054886 |

# Device Test: 5.81 tdly_Res10p5K_EN3_SU/EN3/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



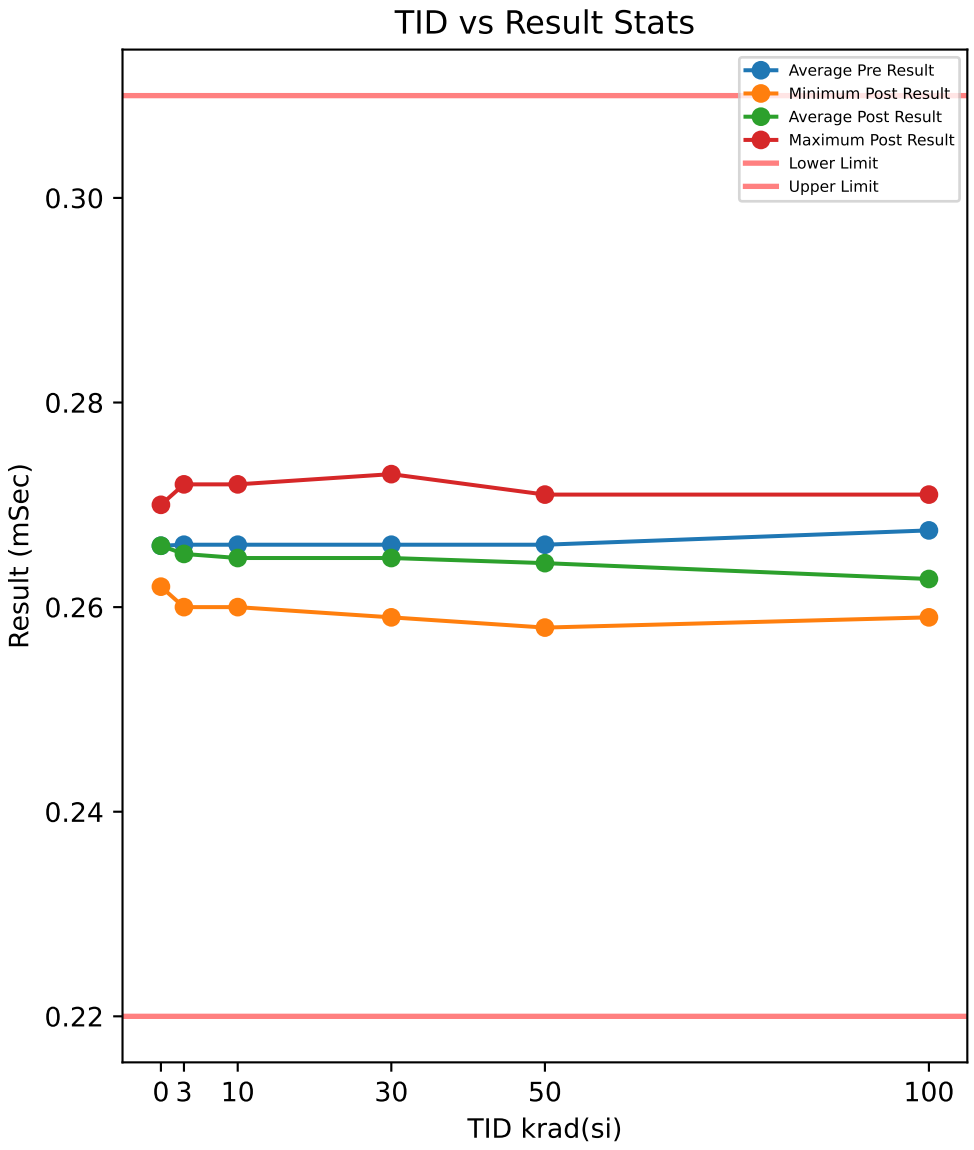

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

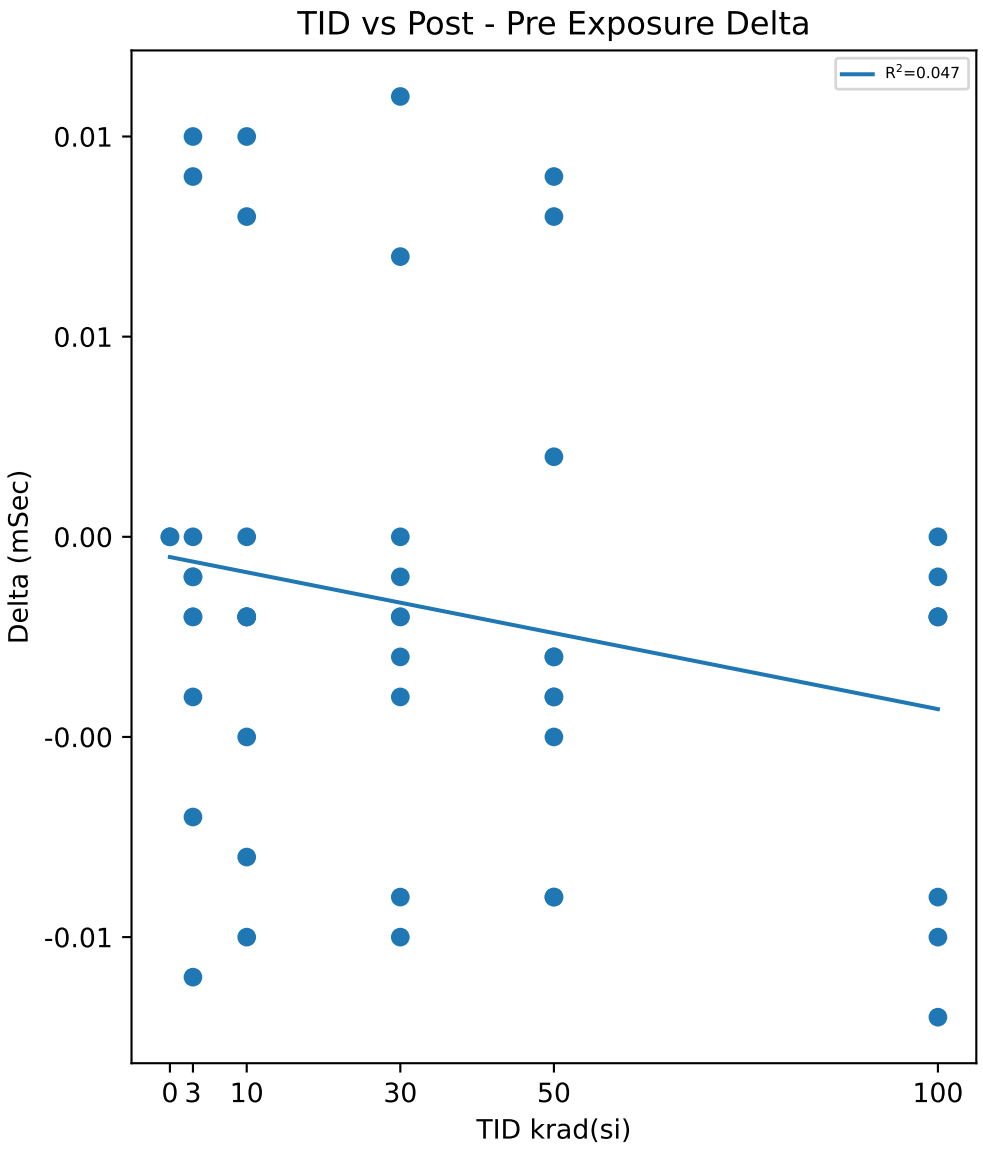
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.27 | 0.27 | 0 |
| 19 | 3 | LDR-Biased | 0.263 | 0.26 | -0.003 |
| 20 | 3 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 21 | 3 | LDR-Biased | 0.261 | 0.259 | -0.002 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 46 | 10 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 48 | 10 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 49 | 10 | LDR-Biased | 0.263 | 0.26 | -0.003 |
| 50 | 10 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 51 | 10 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 76 | 30 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 78 | 30 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 79 | 30 | LDR-Biased | 0.263 | 0.262 | -0.001 |
| 80 | 30 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 81 | 30 | LDR-Biased | 0.261 | 0.261 | 0 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.273 | 0.012 |
| 87 | 100 | LDR-Biased | 0.26 | 0.261 | 0.001 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.27 | 0.271 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.26 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.261 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 106 | 50 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 108 | 50 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 109 | 50 | LDR-Biased | 0.263 | 0.26 | -0.003 |
| 110 | 50 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 111 | 50 | LDR-Biased | 0.261 | 0.261 | 0 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.2665 | 0.27 | 0.0049497 | 0.263 | 0.2665 | 0.27 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2655 | 0.272 | 0.0044535 | 0.259 | 0.2645 | 0.271 | 0.0046963 | -0.009 | -0.001 | 0.01 | 0.0057155 |
| 10 | 0.261 | 0.2655 | 0.272 | 0.0044535 | 0.26 | 0.2645 | 0.272 | 0.0045765 | -0.008 | -0.001 | 0.011 | 0.0059067 |
| 30 | 0.261 | 0.2655 | 0.272 | 0.0044535 | 0.259 | 0.2651 | 0.273 | 0.0048865 | -0.009 | -0.0004 | 0.012 | 0.0063631 |
| 50 | 0.261 | 0.2655 | 0.272 | 0.0044535 | 0.258 | 0.2643 | 0.271 | 0.0048546 | -0.01 | -0.0012 | 0.01 | 0.0061246 |
| 100 | 0.26 | 0.26725 | 0.273 | 0.0055485 | 0.259 | 0.26312 | 0.271 | 0.0046426 | -0.011 | -0.004125 | 0.001 | 0.0048237 |

# Device Test: 5.82 tdly_Res10p5K_EN4_SU/EN4/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



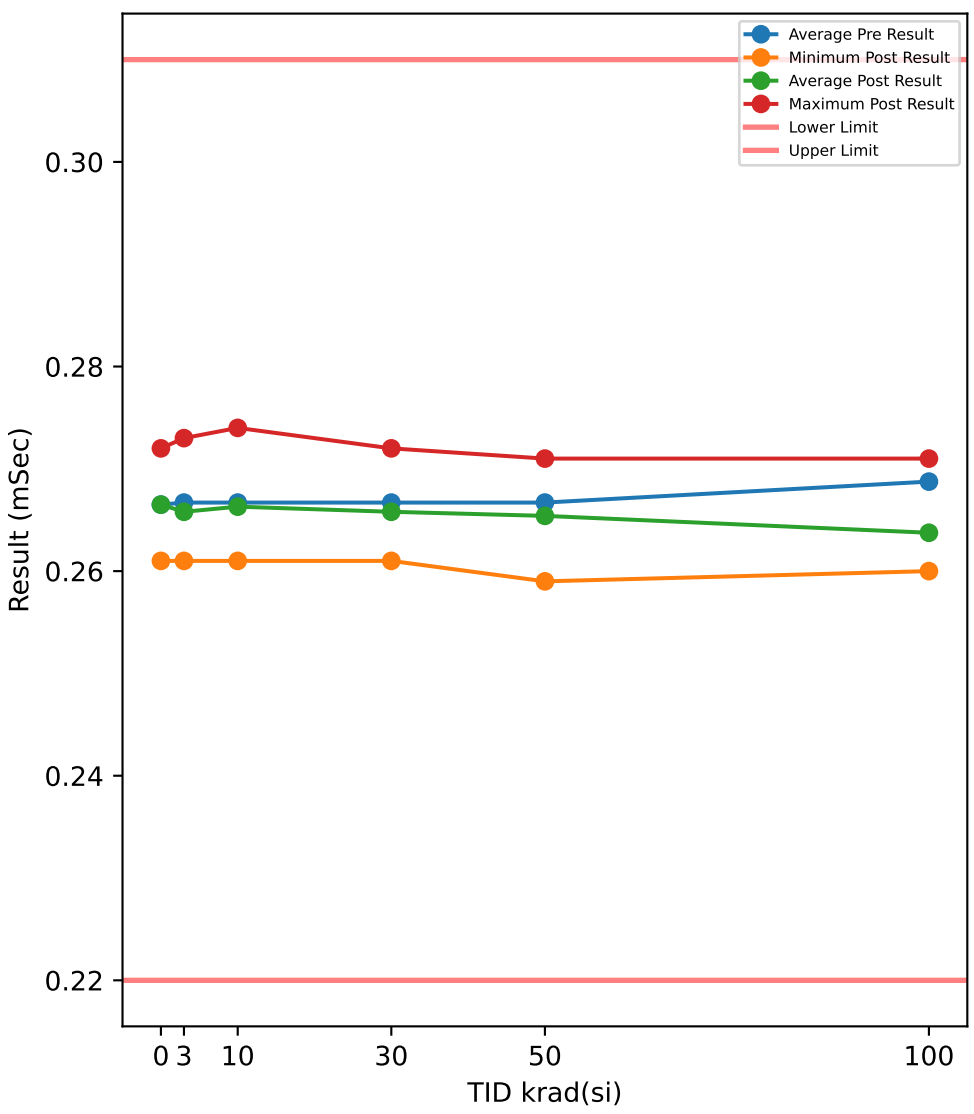

## Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

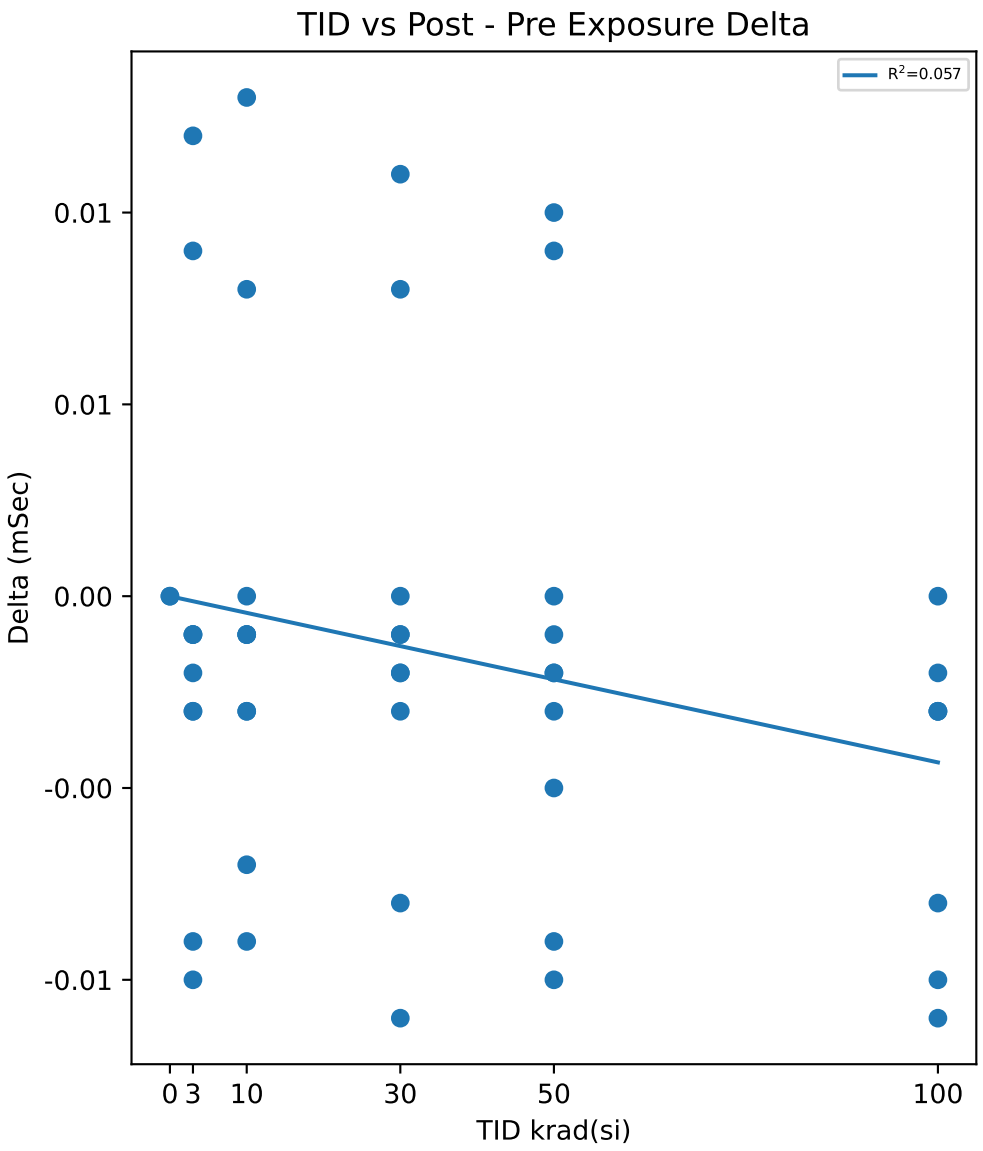
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.271 | 0.264 | -0.007 |
| 18 | 3 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 19 | 3 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 20 | 3 | LDR-Biased | 0.271 | 0.26 | -0.011 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.261 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 46 | 10 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 48 | 10 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 49 | 10 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 50 | 10 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 51 | 10 | LDR-Biased | 0.261 | 0.261 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 76 | 30 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 78 | 30 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 79 | 30 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 80 | 30 | LDR-Biased | 0.271 | 0.261 | -0.01 |
| 81 | 30 | LDR-Biased | 0.261 | 0.261 | 0 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.262 | 0.273 | 0.011 |
| 87 | 100 | LDR-Biased | 0.259 | 0.259 | 0 |
| 88 | 100 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 90 | 100 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.259 | -0.012 |
| 106 | 50 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 108 | 50 | LDR-Biased | 0.272 | 0.269 | -0.003 |
| 109 | 50 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 110 | 50 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 111 | 50 | LDR-Biased | 0.261 | 0.263 | 0.002 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.26 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.258 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.268 | -0.003 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.266 | 0.27 | 0.0056569 | 0.262 | 0.266 | 0.27 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2661 | 0.272 | 0.0045814 | 0.26 | 0.2652 | 0.272 | 0.0049396 | -0.011 | -0.0009 | 0.01 | 0.0064023 |
| 10 | 0.261 | 0.2661 | 0.272 | 0.0045814 | 0.26 | 0.2648 | 0.272 | 0.0048259 | -0.01 | -0.0013 | 0.01 | 0.0062548 |
| 30 | 0.261 | 0.2661 | 0.272 | 0.0045814 | 0.259 | 0.2648 | 0.273 | 0.0050728 | -0.01 | -0.0013 | 0.011 | 0.0063953 |
| 50 | 0.261 | 0.2661 | 0.272 | 0.0045814 | 0.258 | 0.2643 | 0.271 | 0.0047387 | -0.009 | -0.0018 | 0.009 | 0.0062681 |
| 100 | 0.259 | 0.2675 | 0.272 | 0.0057321 | 0.259 | 0.26275 | 0.271 | 0.0049497 | -0.012 | -0.00475 | 0 | 0.0047434 |

# Device Test: 5.83 tdly_Res10p5K_SEQ_SU/SEQ_DONE/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



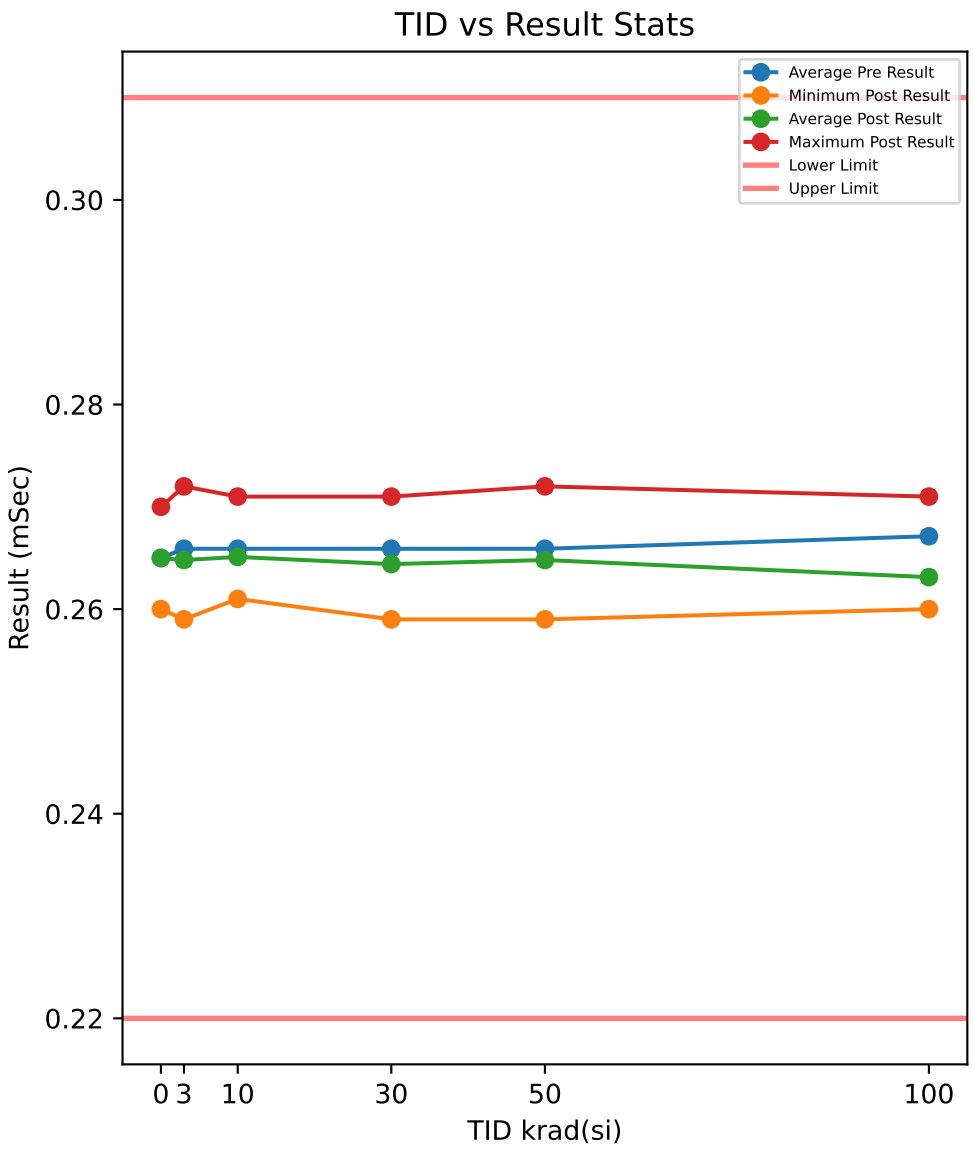

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

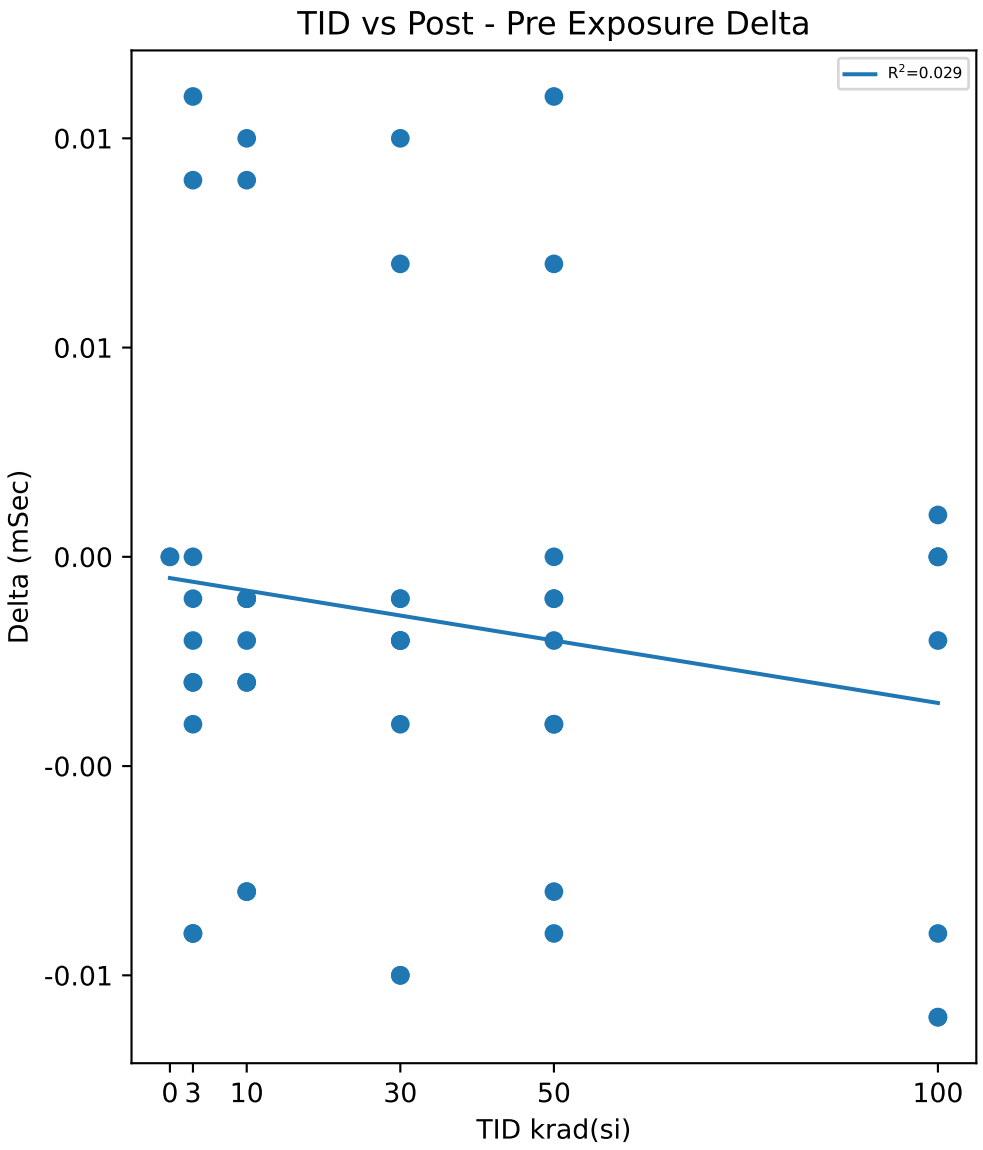
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.272 | 0.272 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 19 | 3 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 20 | 3 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 21 | 3 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.265 | 0.262 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.273 | 0.012 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.271 | -0.001 |
| 46 | 10 | LDR-Biased | 0.272 | 0.265 | -0.007 |
| 48 | 10 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 49 | 10 | LDR-Biased | 0.265 | 0.262 | -0.003 |
| 50 | 10 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 51 | 10 | LDR-Biased | 0.262 | 0.262 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 53 | 10 | LDR-Unbiased | 0.265 | 0.264 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.274 | 0.013 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.271 | -0.001 |
| 76 | 30 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 78 | 30 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 79 | 30 | LDR-Biased | 0.265 | 0.263 | -0.002 |
| 80 | 30 | LDR-Biased | 0.272 | 0.261 | -0.011 |
| 81 | 30 | LDR-Biased | 0.262 | 0.262 | 0 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.271 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 87 | 100 | LDR-Biased | 0.26 | 0.26 | 0 |
| 88 | 100 | LDR-Biased | 0.274 | 0.271 | -0.003 |
| 90 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.263 | -0.008 |
| 96 | 100 | LDR-Unbiased | 0.273 | 0.262 | -0.011 |
| 106 | 50 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 108 | 50 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 109 | 50 | LDR-Biased | 0.265 | 0.262 | -0.003 |
| 110 | 50 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 111 | 50 | LDR-Biased | 0.262 | 0.262 | 0 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.265 | 0.263 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.264 | 0.259 | -0.005 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.271 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.2665 | 0.272 | 0.0077782 | 0.261 | 0.2665 | 0.272 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2667 | 0.272 | 0.0047387 | 0.261 | 0.2658 | 0.273 | 0.0049844 | -0.01 | -0.0009 | 0.012 | 0.0068548 |
| 10 | 0.261 | 0.2667 | 0.272 | 0.0047387 | 0.261 | 0.2663 | 0.274 | 0.0047152 | -0.009 | -0.0004 | 0.013 | 0.0065184 |
| 30 | 0.261 | 0.2667 | 0.272 | 0.0047387 | 0.261 | 0.2658 | 0.272 | 0.0045898 | -0.011 | -0.0009 | 0.011 | 0.0065056 |
| 50 | 0.261 | 0.2667 | 0.272 | 0.0047387 | 0.259 | 0.2654 | 0.271 | 0.0047422 | -0.01 | -0.0013 | 0.01 | 0.0065668 |
| 100 | 0.26 | 0.26875 | 0.274 | 0.0054968 | 0.26 | 0.26375 | 0.271 | 0.0042678 | -0.011 | -0.005 | 0 | 0.0040708 |

# Device Test: 5.84 tdly_Res10p5K_PWRGD_SU/PWRGD/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



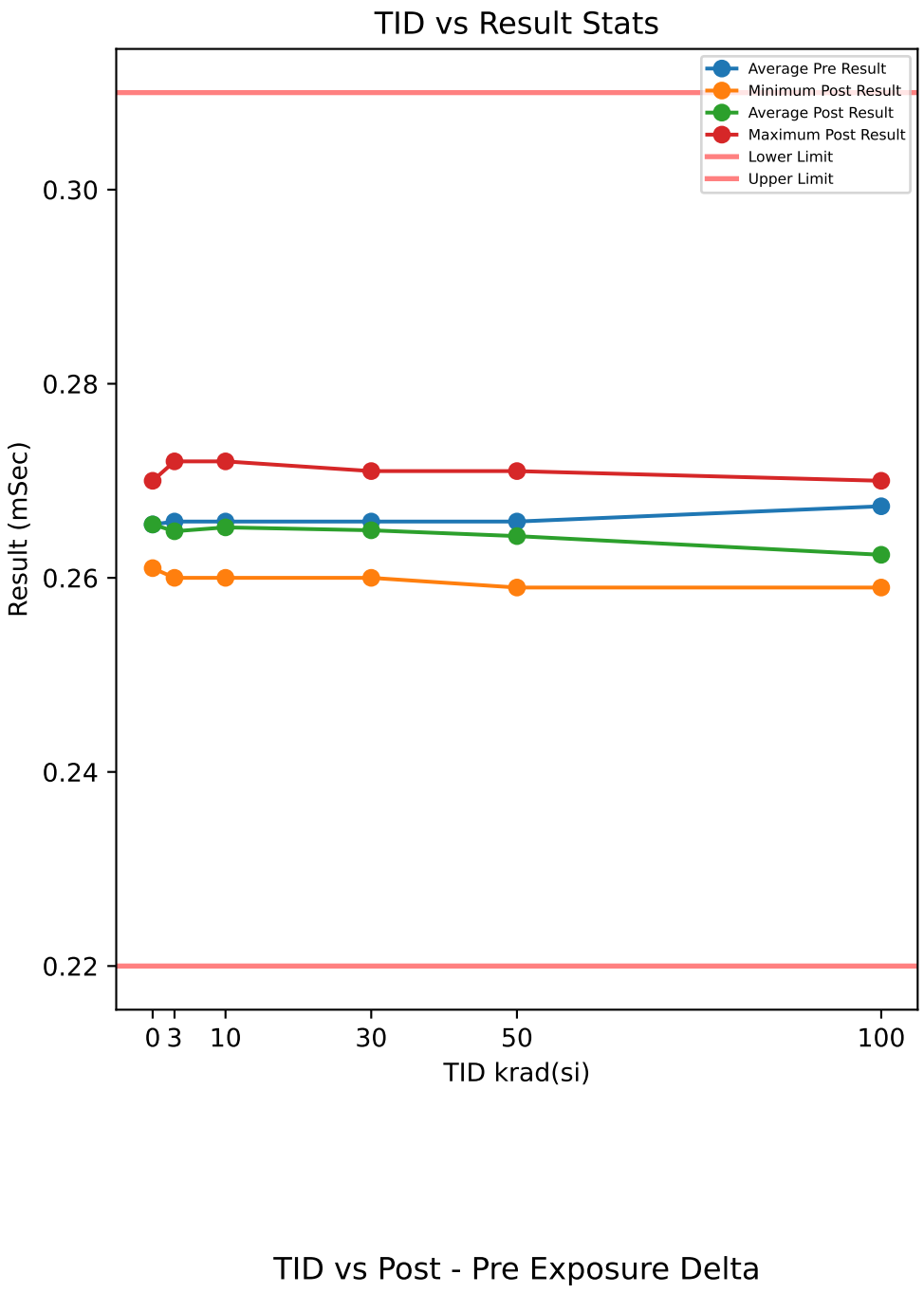

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

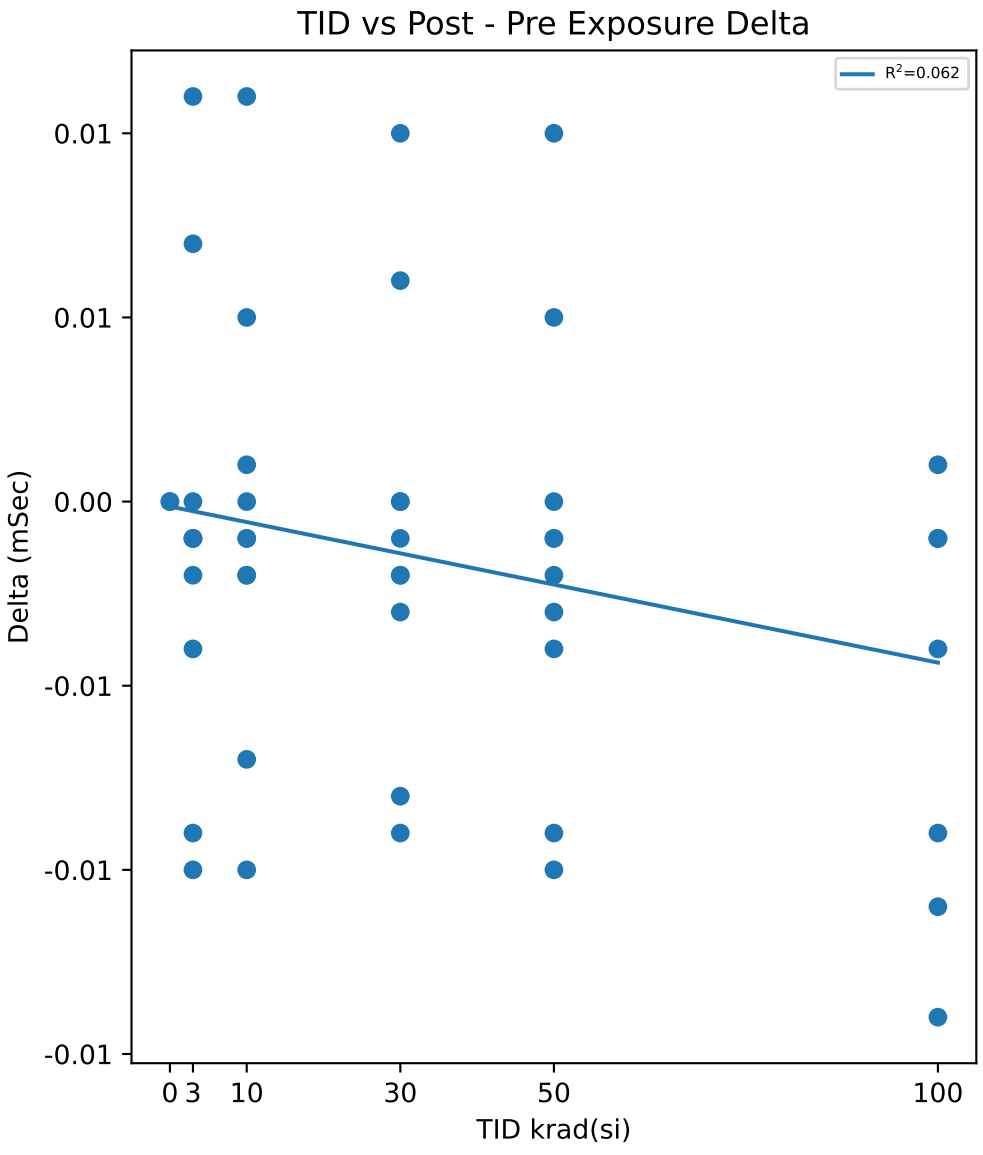
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.26 | 0.26 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 19 | 3 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 20 | 3 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 21 | 3 | LDR-Biased | 0.262 | 0.26 | -0.002 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.271 | 0 |
| 46 | 10 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 48 | 10 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 49 | 10 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 50 | 10 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 51 | 10 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.271 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.261 | -0.003 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 76 | 30 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 78 | 30 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.27 | 0.26 | -0.01 |
| 81 | 30 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.26 | 0.26 | 0 |
| 88 | 100 | LDR-Biased | 0.271 | 0.271 | 0 |
| 90 | 100 | LDR-Biased | 0.27 | 0.271 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.26 | 0 |
| 94 | 100 | LDR-Unbiased | 0.273 | 0.262 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.26 | -0.011 |
| 106 | 50 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 108 | 50 | LDR-Biased | 0.27 | 0.27 | 0 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 111 | 50 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.269 | 0.007 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.26 | 0.265 | 0.27 | 0.0070711 | 0.26 | 0.265 | 0.27 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2659 | 0.272 | 0.0043063 | 0.259 | 0.2648 | 0.272 | 0.0052662 | -0.009 | -0.0011 | 0.011 | 0.0065904 |
| 10 | 0.261 | 0.2659 | 0.272 | 0.0043063 | 0.261 | 0.2651 | 0.271 | 0.004557 | -0.008 | -0.0008 | 0.01 | 0.0060332 |
| 30 | 0.261 | 0.2659 | 0.272 | 0.0043063 | 0.259 | 0.2644 | 0.271 | 0.0045265 | -0.01 | -0.0015 | 0.01 | 0.0062937 |
| 50 | 0.261 | 0.2659 | 0.272 | 0.0043063 | 0.259 | 0.2648 | 0.272 | 0.0049171 | -0.009 | -0.0011 | 0.011 | 0.0061545 |
| 100 | 0.26 | 0.26713 | 0.273 | 0.0054625 | 0.26 | 0.26312 | 0.271 | 0.0049117 | -0.011 | -0.004 | 0.001 | 0.0053452 |

# Device Test: 5.85 tdly_Res10p5K_EN1_SD/EN1/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



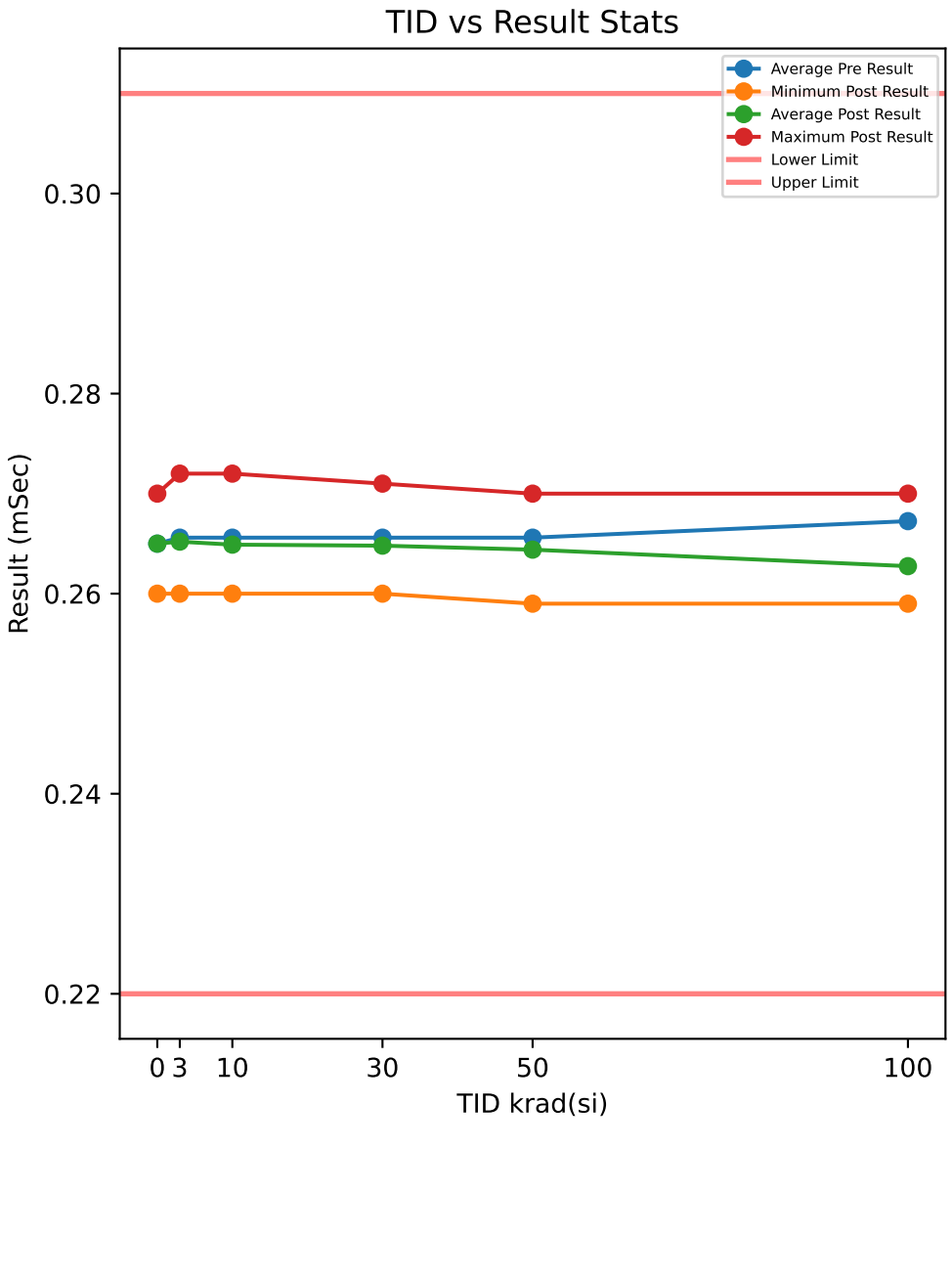

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

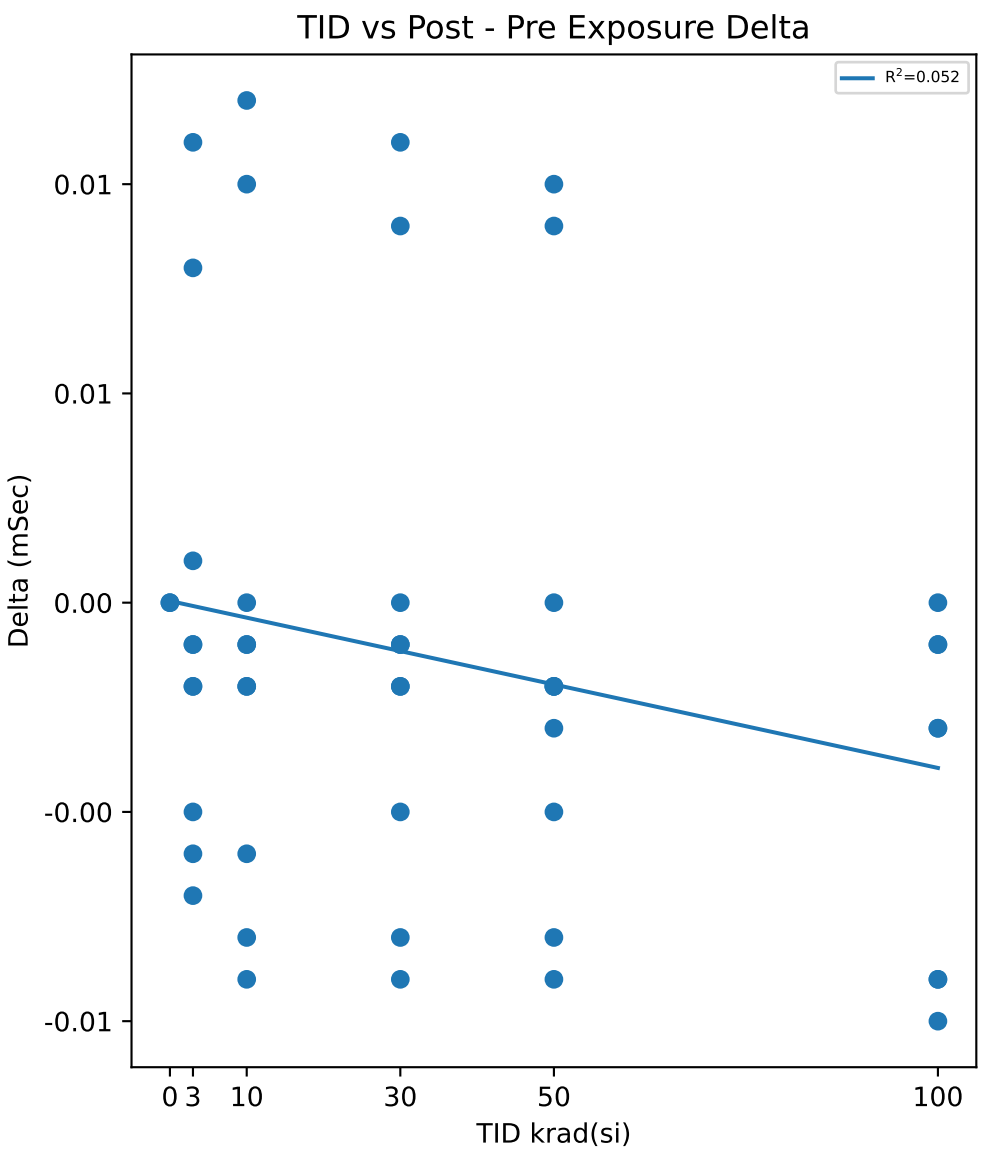
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 18 | 3 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 19 | 3 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 20 | 3 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 21 | 3 | LDR-Biased | 0.262 | 0.262 | 0 |
| 22 | 3 | LDR-Unbiased | 0.264 | 0.271 | 0.007 |
| 23 | 3 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.27 | 0.269 | -0.001 |
| 46 | 10 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 48 | 10 | LDR-Biased | 0.27 | 0.271 | 0.001 |
| 49 | 10 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 50 | 10 | LDR-Biased | 0.269 | 0.262 | -0.007 |
| 51 | 10 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.264 | 0.269 | 0.005 |
| 53 | 10 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.272 | 0.011 |
| 57 | 10 | LDR-Unbiased | 0.27 | 0.27 | 0 |
| 76 | 30 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 78 | 30 | LDR-Biased | 0.27 | 0.27 | 0 |
| 79 | 30 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 80 | 30 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 81 | 30 | LDR-Biased | 0.262 | 0.26 | -0.002 |
| 82 | 30 | LDR-Unbiased | 0.264 | 0.27 | 0.006 |
| 83 | 30 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.27 | 0.27 | 0 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.259 | 0.26 | 0.001 |
| 88 | 100 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 90 | 100 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.263 | 0.259 | -0.004 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.261 | -0.011 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.273 | 0.259 | -0.014 |
| 106 | 50 | LDR-Biased | 0.273 | 0.263 | -0.01 |
| 108 | 50 | LDR-Biased | 0.27 | 0.27 | 0 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 111 | 50 | LDR-Biased | 0.262 | 0.261 | -0.001 |
| 112 | 50 | LDR-Unbiased | 0.264 | 0.269 | 0.005 |
| 113 | 50 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.27 | 0.268 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2658 | 0.273 | 0.0042635 | 0.26 | 0.2648 | 0.272 | 0.0048717 | -0.01 | -0.001 | 0.011 | 0.0063596 |
| 10 | 0.261 | 0.2658 | 0.273 | 0.0042635 | 0.26 | 0.2652 | 0.272 | 0.0046857 | -0.01 | -0.0006 | 0.011 | 0.0057966 |
| 30 | 0.261 | 0.2658 | 0.273 | 0.0042635 | 0.26 | 0.2649 | 0.271 | 0.0047481 | -0.009 | -0.0009 | 0.01 | 0.0056853 |
| 50 | 0.261 | 0.2658 | 0.273 | 0.0042635 | 0.259 | 0.2643 | 0.271 | 0.0046679 | -0.01 | -0.0015 | 0.01 | 0.0059114 |
| 100 | 0.259 | 0.26738 | 0.273 | 0.0057306 | 0.259 | 0.26238 | 0.27 | 0.004779 | -0.014 | -0.005 | 0.001 | 0.0055806 |

# Device Test: 5.86 tdly_Res10p5K_EN2_SD/EN2/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



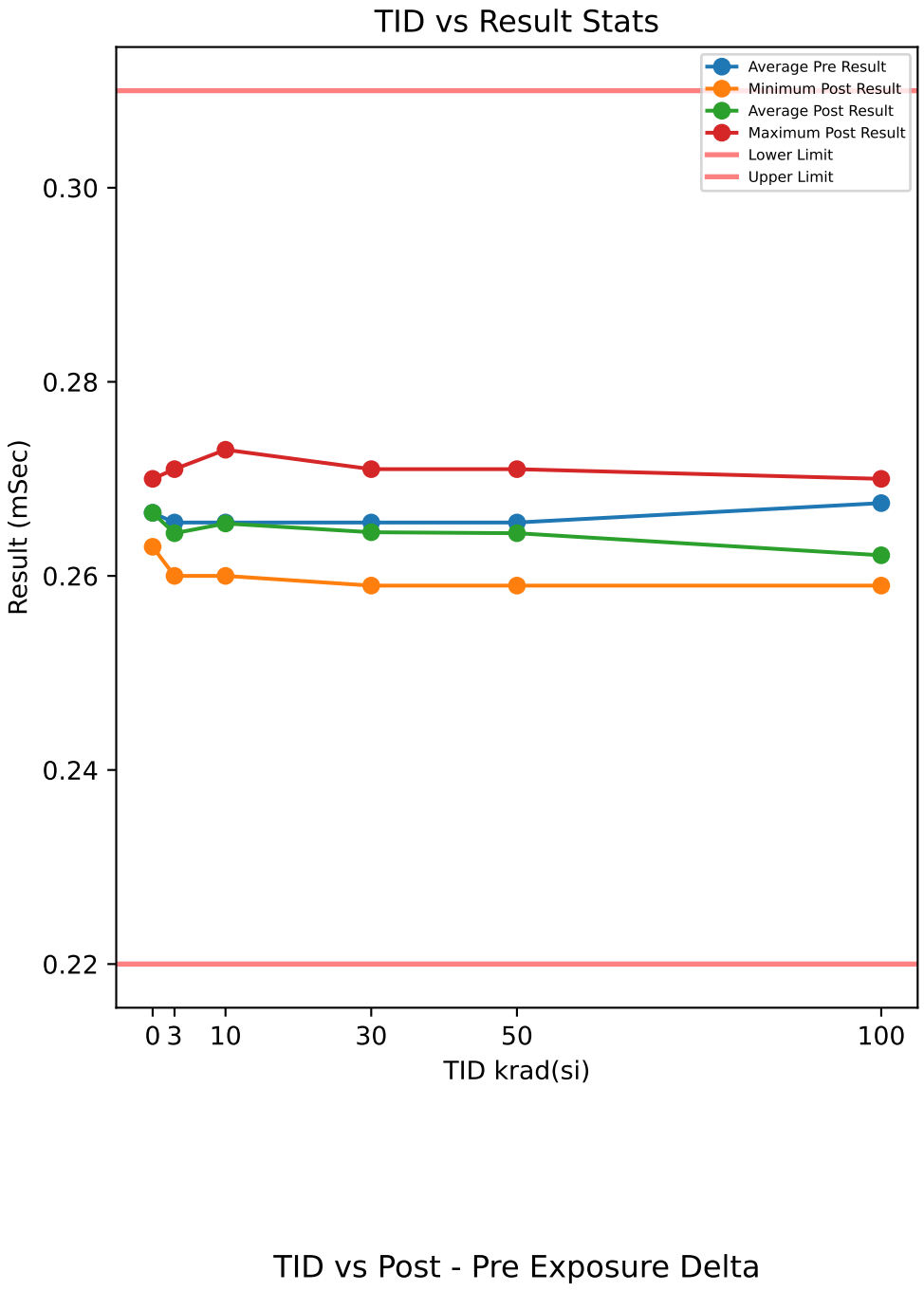

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

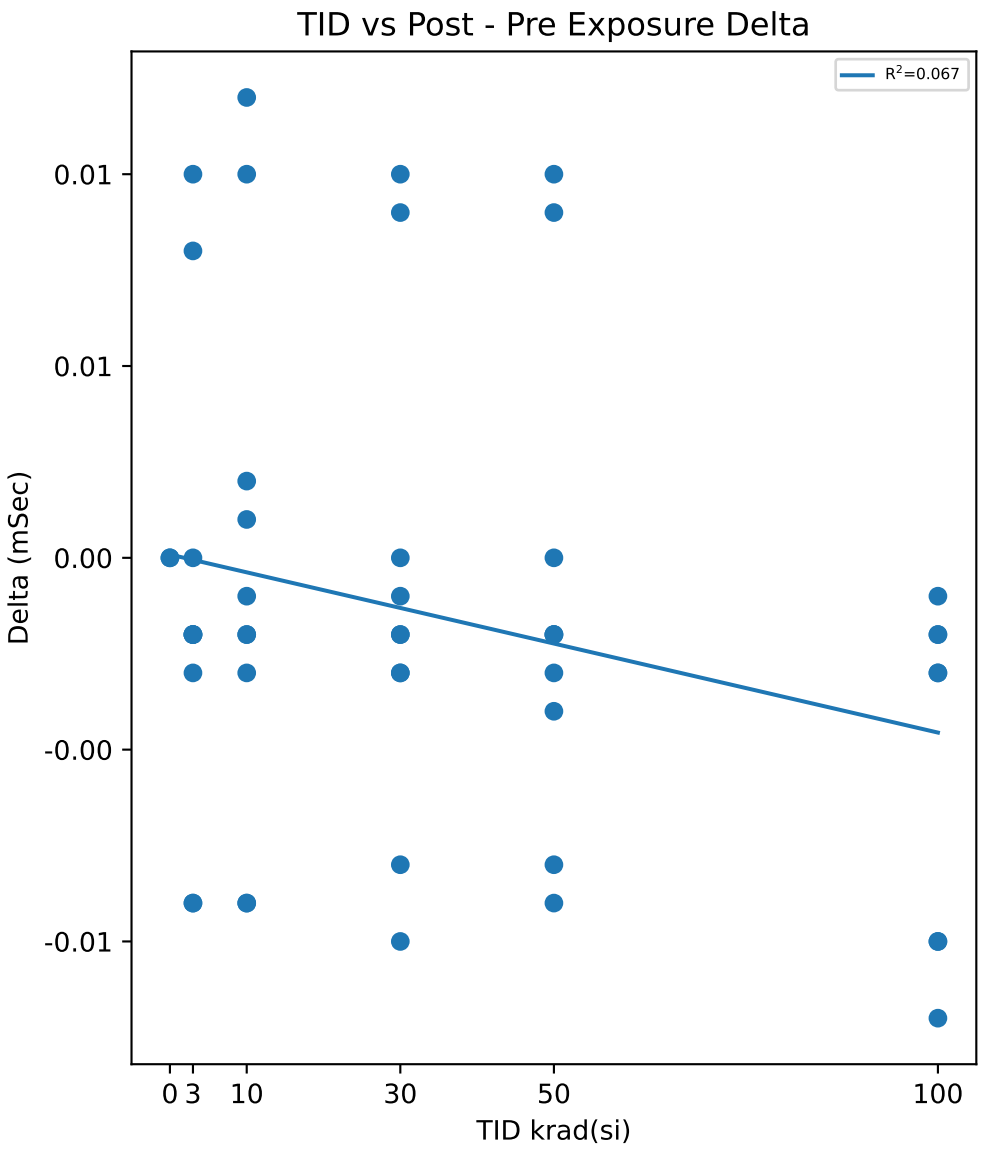
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.26 | 0.26 | 0 |
| 16 | 3 | LDR-Biased | 0.271 | 0.264 | -0.007 |
| 18 | 3 | LDR-Biased | 0.271 | 0.272 | 0.001 |
| 19 | 3 | LDR-Biased | 0.266 | 0.261 | -0.005 |
| 20 | 3 | LDR-Biased | 0.269 | 0.263 | -0.006 |
| 21 | 3 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.269 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 46 | 10 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 48 | 10 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 49 | 10 | LDR-Biased | 0.266 | 0.26 | -0.006 |
| 50 | 10 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 51 | 10 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.26 | 0.272 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.271 | 0 |
| 76 | 30 | LDR-Biased | 0.271 | 0.263 | -0.008 |
| 78 | 30 | LDR-Biased | 0.271 | 0.271 | 0 |
| 79 | 30 | LDR-Biased | 0.266 | 0.261 | -0.005 |
| 80 | 30 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 81 | 30 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.26 | 0.271 | 0.011 |
| 87 | 100 | LDR-Biased | 0.261 | 0.261 | 0 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.259 | -0.001 |
| 94 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.261 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.271 | 0.261 | -0.01 |
| 106 | 50 | LDR-Biased | 0.271 | 0.262 | -0.009 |
| 108 | 50 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 109 | 50 | LDR-Biased | 0.266 | 0.261 | -0.005 |
| 110 | 50 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 111 | 50 | LDR-Biased | 0.261 | 0.261 | 0 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.26 | 0.27 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.26 | 0.265 | 0.27 | 0.0070711 | 0.26 | 0.265 | 0.27 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.26 | 0.2656 | 0.271 | 0.0045753 | 0.26 | 0.2652 | 0.272 | 0.0047796 | -0.007 | -0.0004 | 0.011 | 0.0058157 |
| 10 | 0.26 | 0.2656 | 0.271 | 0.0045753 | 0.26 | 0.2649 | 0.272 | 0.0053219 | -0.009 | -0.0007 | 0.012 | 0.006913 |
| 30 | 0.26 | 0.2656 | 0.271 | 0.0045753 | 0.26 | 0.2648 | 0.271 | 0.0048488 | -0.009 | -0.0008 | 0.011 | 0.0064601 |
| 50 | 0.26 | 0.2656 | 0.271 | 0.0045753 | 0.259 | 0.2644 | 0.27 | 0.0044771 | -0.009 | -0.0012 | 0.01 | 0.0063034 |
| 100 | 0.26 | 0.26725 | 0.273 | 0.0052847 | 0.259 | 0.26275 | 0.27 | 0.0043012 | -0.01 | -0.0045 | 0 | 0.0041404 |

# Device Test: 5.87 tdly_Res10p5K_EN3_SD/EN3/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



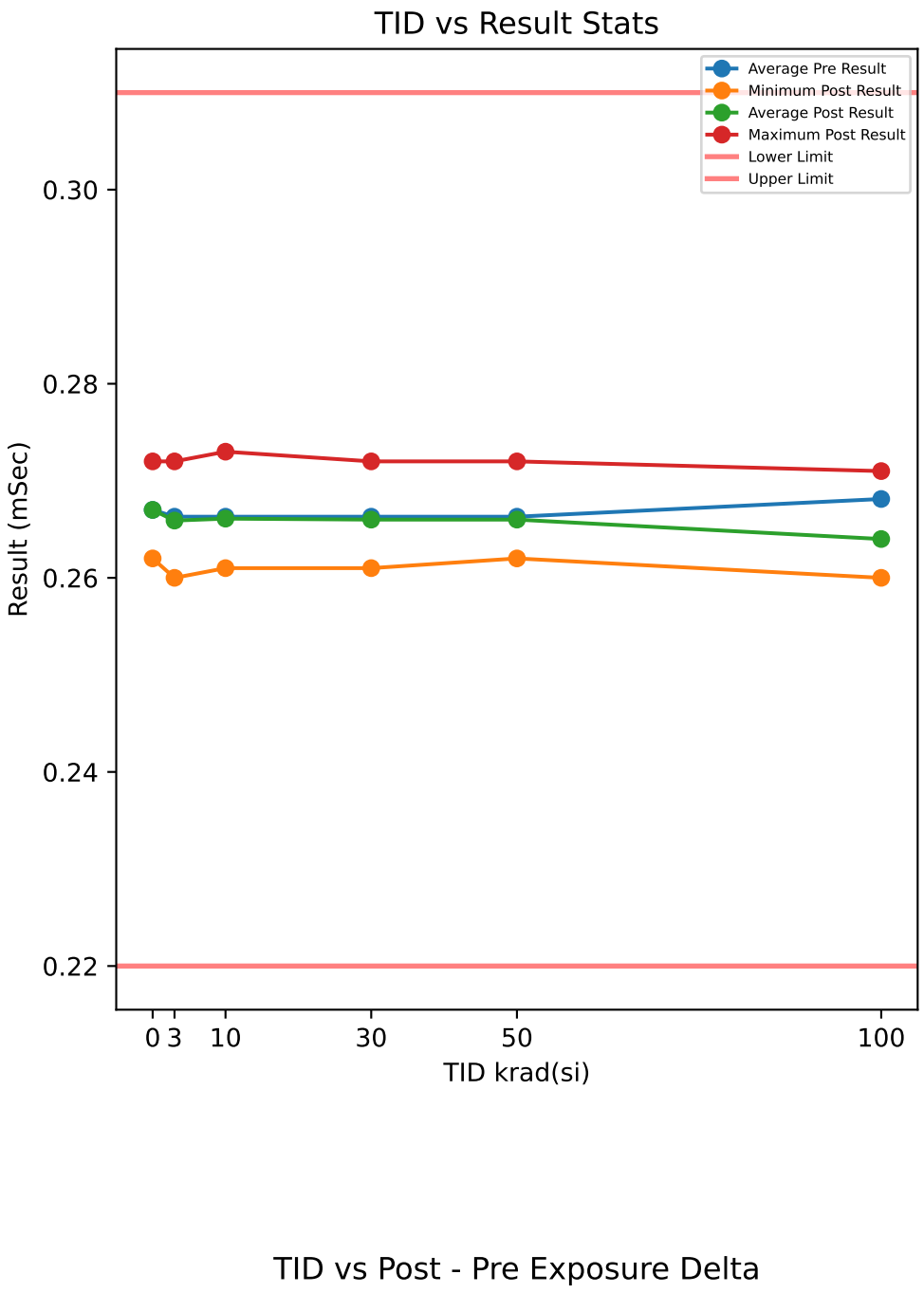

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

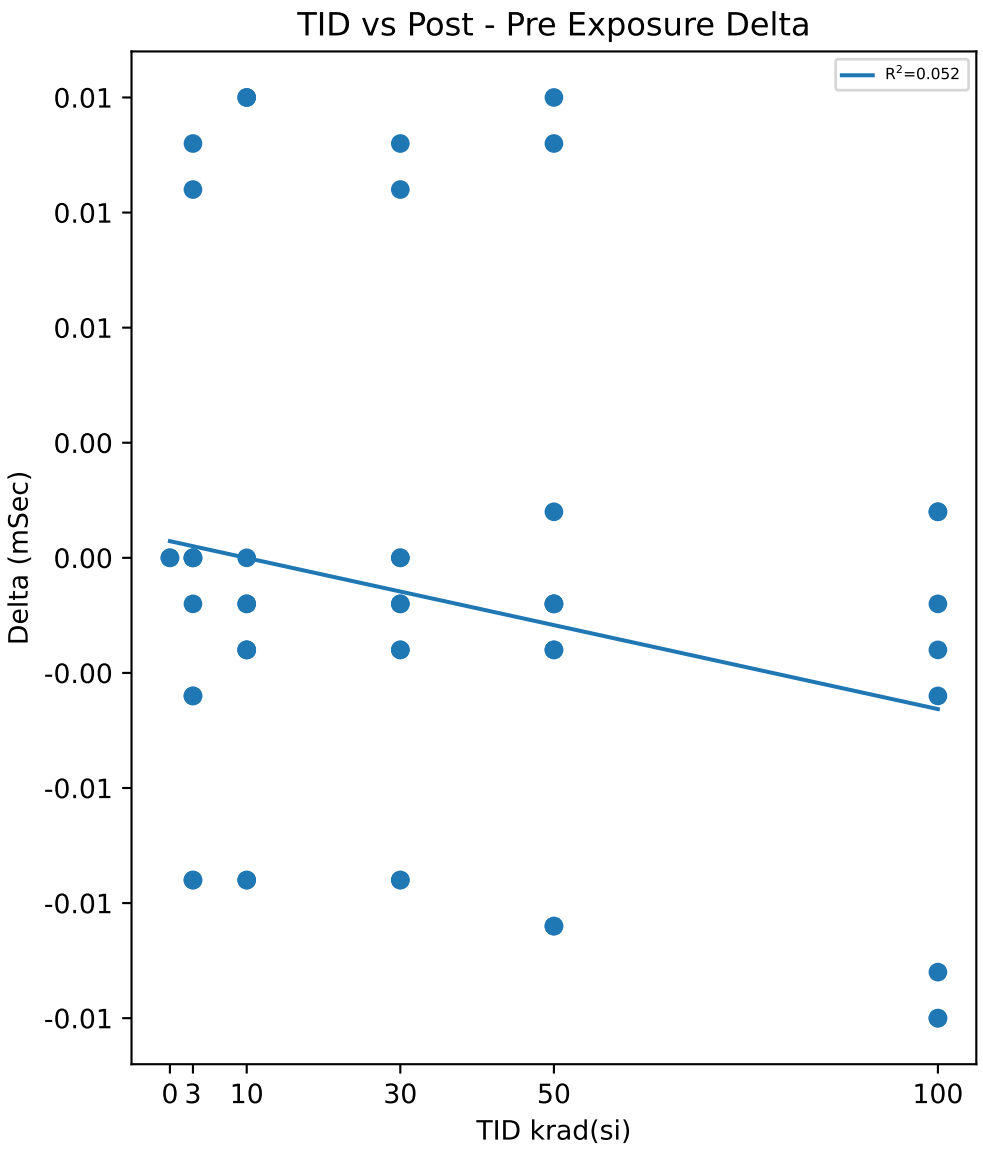
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.263 | 0.263 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 18 | 3 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 19 | 3 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 20 | 3 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.269 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 46 | 10 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 48 | 10 | LDR-Biased | 0.27 | 0.272 | 0.002 |
| 49 | 10 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 50 | 10 | LDR-Biased | 0.269 | 0.26 | -0.009 |
| 51 | 10 | LDR-Biased | 0.261 | 0.262 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.273 | 0.012 |
| 57 | 10 | LDR-Unbiased | 0.271 | 0.27 | -0.001 |
| 76 | 30 | LDR-Biased | 0.272 | 0.262 | -0.01 |
| 78 | 30 | LDR-Biased | 0.27 | 0.269 | -0.001 |
| 79 | 30 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 80 | 30 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 81 | 30 | LDR-Biased | 0.261 | 0.261 | 0 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.261 | 0.26 | -0.001 |
| 88 | 100 | LDR-Biased | 0.273 | 0.27 | -0.003 |
| 90 | 100 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.259 | -0.002 |
| 94 | 100 | LDR-Unbiased | 0.271 | 0.261 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.259 | -0.012 |
| 96 | 100 | LDR-Unbiased | 0.27 | 0.26 | -0.01 |
| 106 | 50 | LDR-Biased | 0.272 | 0.263 | -0.009 |
| 108 | 50 | LDR-Biased | 0.27 | 0.268 | -0.002 |
| 109 | 50 | LDR-Biased | 0.264 | 0.26 | -0.004 |
| 110 | 50 | LDR-Biased | 0.269 | 0.261 | -0.008 |
| 111 | 50 | LDR-Biased | 0.261 | 0.261 | 0 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.262 | -0.002 |
| 115 | 50 | LDR-Unbiased | 0.262 | 0.259 | -0.003 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.271 | 0.269 | -0.002 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.263 | 0.2665 | 0.27 | 0.0049497 | 0.263 | 0.2665 | 0.27 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2655 | 0.272 | 0.0045031 | 0.26 | 0.2644 | 0.271 | 0.0043256 | -0.009 | -0.0011 | 0.01 | 0.0061364 |
| 10 | 0.261 | 0.2655 | 0.272 | 0.0045031 | 0.26 | 0.2654 | 0.273 | 0.005379 | -0.009 | -0.0001 | 0.012 | 0.0069033 |
| 30 | 0.261 | 0.2655 | 0.272 | 0.0045031 | 0.259 | 0.2645 | 0.271 | 0.0046248 | -0.01 | -0.001 | 0.01 | 0.0063421 |
| 50 | 0.261 | 0.2655 | 0.272 | 0.0045031 | 0.259 | 0.2644 | 0.271 | 0.0045753 | -0.009 | -0.0011 | 0.01 | 0.0062441 |
| 100 | 0.261 | 0.2675 | 0.273 | 0.0051824 | 0.259 | 0.26212 | 0.27 | 0.0046117 | -0.012 | -0.005375 | -0.001 | 0.0044701 |

# Device Test: 5.88 tdly_Res10p5K_EN4_SD/EN4/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



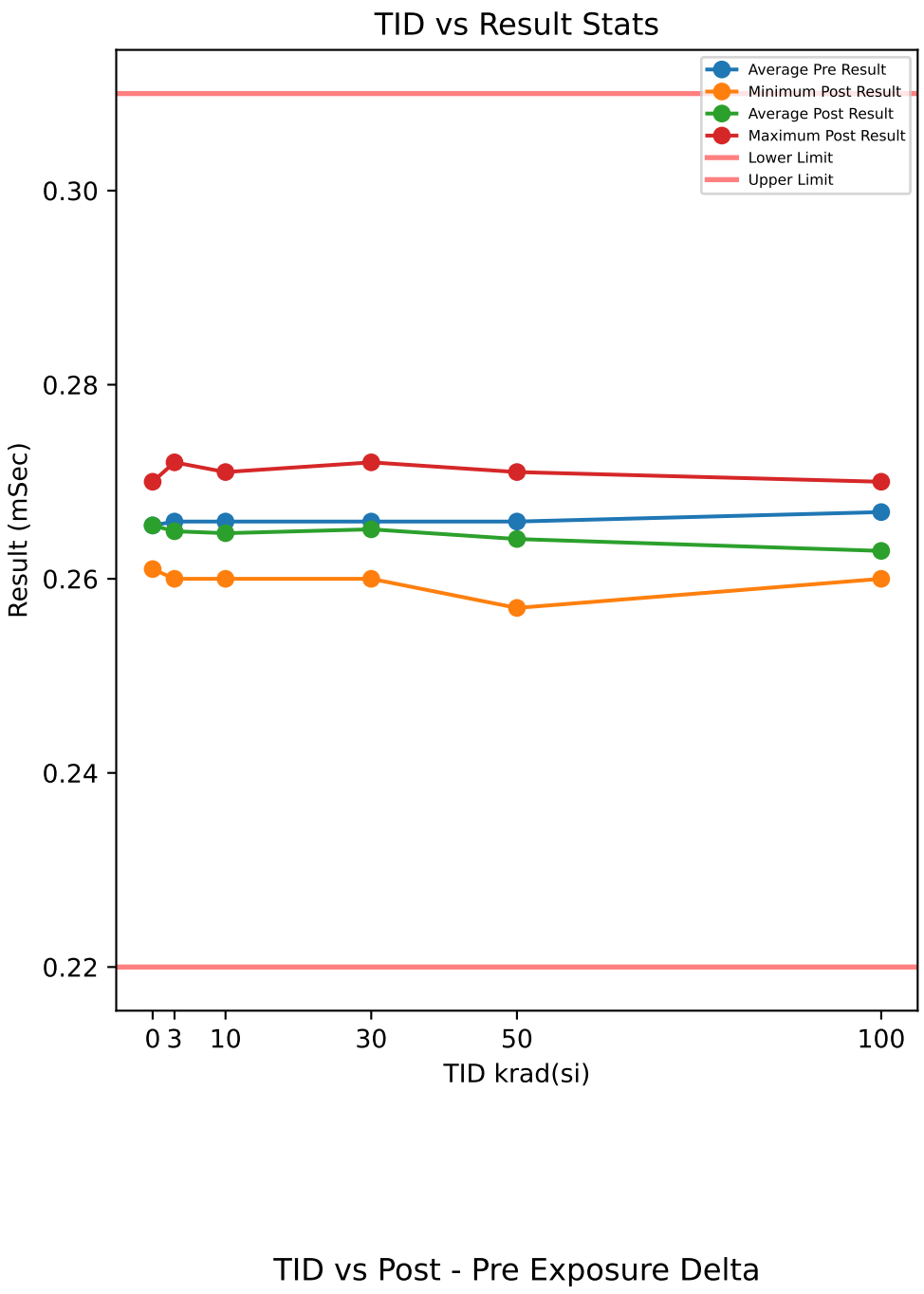

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

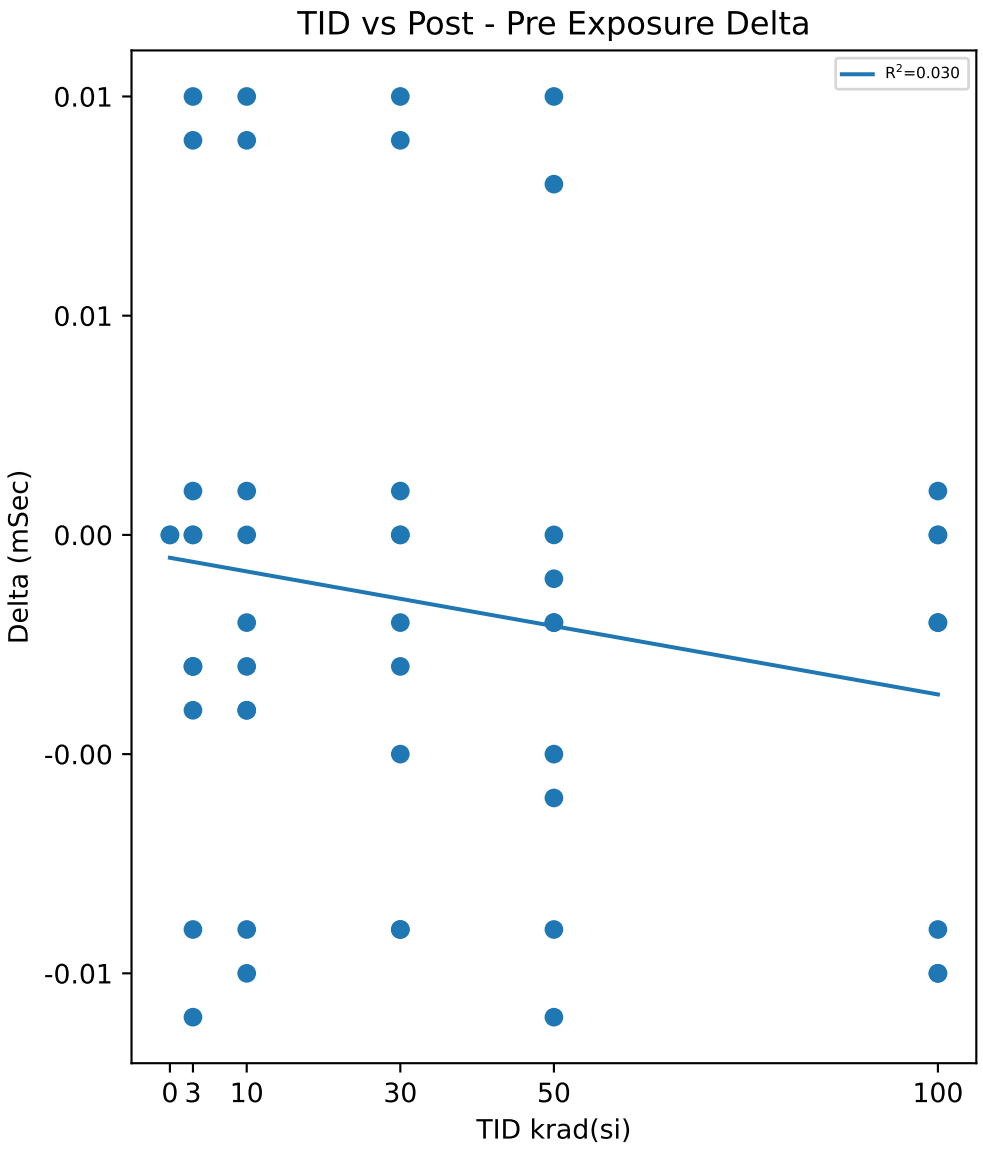
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.272 | 0.272 | 0 |
| 7 | 0 | Correlation | 0.262 | 0.262 | 0 |
| 16 | 3 | LDR-Biased | 0.272 | 0.265 | -0.007 |
| 18 | 3 | LDR-Biased | 0.271 | 0.271 | 0 |
| 19 | 3 | LDR-Biased | 0.264 | 0.261 | -0.003 |
| 20 | 3 | LDR-Biased | 0.27 | 0.263 | -0.007 |
| 21 | 3 | LDR-Biased | 0.262 | 0.262 | 0 |
| 22 | 3 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 23 | 3 | LDR-Unbiased | 0.264 | 0.264 | 0 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.271 | -0.001 |
| 46 | 10 | LDR-Biased | 0.272 | 0.265 | -0.007 |
| 48 | 10 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 49 | 10 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 50 | 10 | LDR-Biased | 0.27 | 0.263 | -0.007 |
| 51 | 10 | LDR-Biased | 0.262 | 0.262 | 0 |
| 52 | 10 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 53 | 10 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.263 | 0.273 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 76 | 30 | LDR-Biased | 0.272 | 0.265 | -0.007 |
| 78 | 30 | LDR-Biased | 0.271 | 0.27 | -0.001 |
| 79 | 30 | LDR-Biased | 0.264 | 0.262 | -0.002 |
| 80 | 30 | LDR-Biased | 0.27 | 0.263 | -0.007 |
| 81 | 30 | LDR-Biased | 0.262 | 0.262 | 0 |
| 82 | 30 | LDR-Unbiased | 0.262 | 0.27 | 0.008 |
| 83 | 30 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.272 | 0 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.261 | -0.002 |
| 86 | 30 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 87 | 100 | LDR-Biased | 0.261 | 0.262 | 0.001 |
| 88 | 100 | LDR-Biased | 0.274 | 0.271 | -0.003 |
| 90 | 100 | LDR-Biased | 0.272 | 0.271 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.261 | 0.262 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.272 | 0.262 | -0.01 |
| 106 | 50 | LDR-Biased | 0.272 | 0.264 | -0.008 |
| 108 | 50 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 109 | 50 | LDR-Biased | 0.264 | 0.263 | -0.001 |
| 110 | 50 | LDR-Biased | 0.27 | 0.262 | -0.008 |
| 111 | 50 | LDR-Biased | 0.262 | 0.263 | 0.001 |
| 112 | 50 | LDR-Unbiased | 0.262 | 0.272 | 0.01 |
| 113 | 50 | LDR-Unbiased | 0.264 | 0.263 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.262 | -0.001 |
| 116 | 50 | LDR-Unbiased | 0.263 | 0.272 | 0.009 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.262 | 0.267 | 0.272 | 0.0070711 | 0.262 | 0.267 | 0.272 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 0.262 | 0.2663 | 0.272 | 0.0043474 | 0.26 | 0.2659 | 0.272 | 0.0046296 | -0.007 | -0.0004 | 0.009 | 0.005379 |
| 10 | 0.262 | 0.2663 | 0.272 | 0.0043474 | 0.261 | 0.2661 | 0.273 | 0.0046296 | -0.007 | -0.0002 | 0.01 | 0.0058841 |
| 30 | 0.262 | 0.2663 | 0.272 | 0.0043474 | 0.261 | 0.266 | 0.272 | 0.0044721 | -0.007 | -0.0003 | 0.009 | 0.0052926 |
| 50 | 0.262 | 0.2663 | 0.272 | 0.0043474 | 0.262 | 0.266 | 0.272 | 0.0042164 | -0.008 | -0.0003 | 0.01 | 0.0059638 |
| 100 | 0.261 | 0.26813 | 0.274 | 0.005693 | 0.26 | 0.264 | 0.271 | 0.0043753 | -0.01 | -0.004125 | 0.001 | 0.004794 |

# Device Test: 5.89 tdly_Res10p5K_SEQ_SD/SEQ_DONE/1.6/14/10.5K/0/0/@DLY_TMR_10KOHM



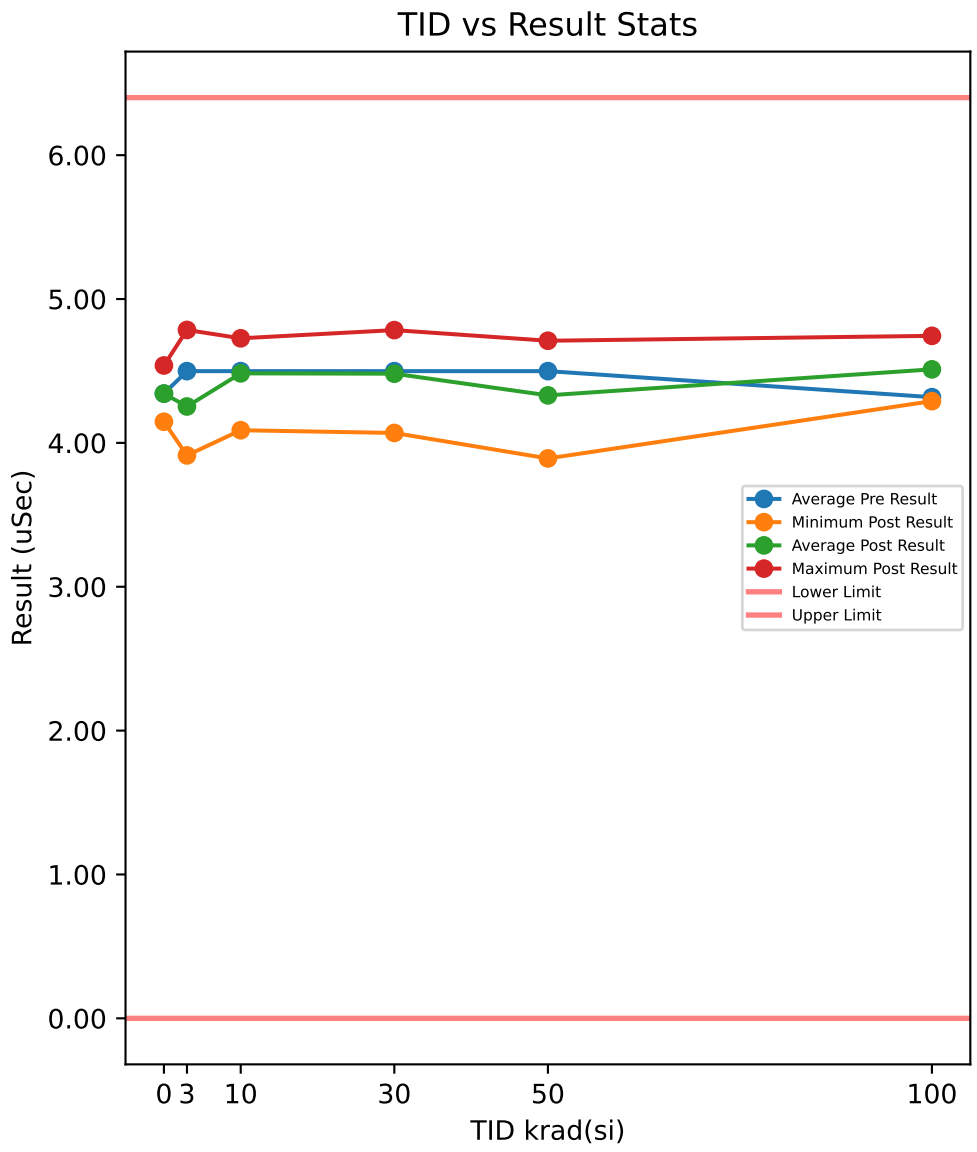

Test Results (Lower Limit = 0.22, Upper Limit = 0.31 (mSec))

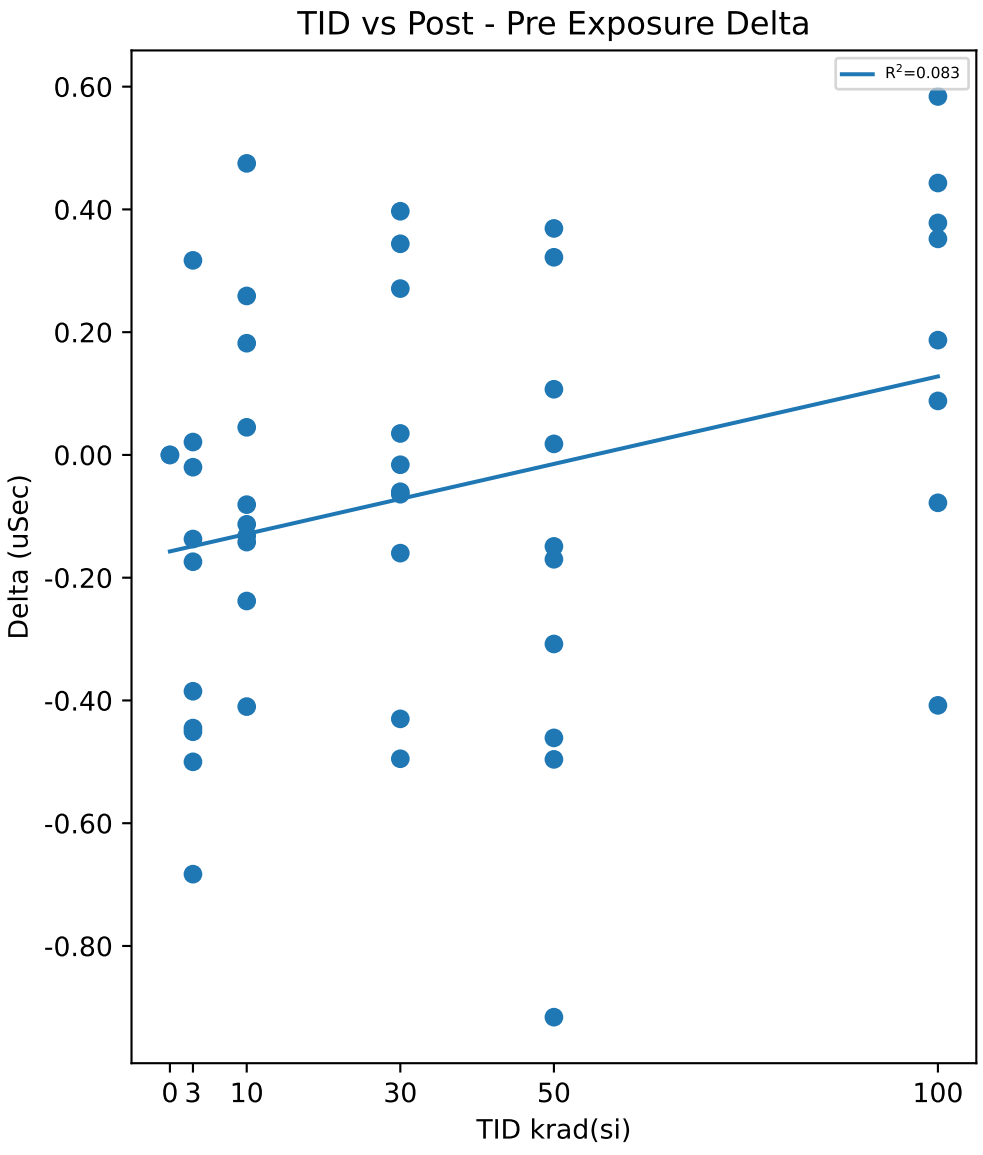
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.27 | 0.27 | 0 |
| 7 | 0 | Correlation | 0.261 | 0.261 | 0 |
| 16 | 3 | LDR-Biased | 0.273 | 0.262 | -0.011 |
| 18 | 3 | LDR-Biased | 0.271 | 0.272 | 0.001 |
| 19 | 3 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 20 | 3 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 21 | 3 | LDR-Biased | 0.261 | 0.261 | 0 |
| 22 | 3 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 23 | 3 | LDR-Unbiased | 0.262 | 0.262 | 0 |
| 25 | 3 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 27 | 3 | LDR-Unbiased | 0.272 | 0.269 | -0.003 |
| 46 | 10 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 48 | 10 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 49 | 10 | LDR-Biased | 0.265 | 0.261 | -0.004 |
| 50 | 10 | LDR-Biased | 0.27 | 0.26 | -0.01 |
| 51 | 10 | LDR-Biased | 0.261 | 0.262 | 0.001 |
| 52 | 10 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 53 | 10 | LDR-Unbiased | 0.262 | 0.262 | 0 |
| 55 | 10 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 57 | 10 | LDR-Unbiased | 0.272 | 0.268 | -0.004 |
| 76 | 30 | LDR-Biased | 0.273 | 0.264 | -0.009 |
| 78 | 30 | LDR-Biased | 0.271 | 0.272 | 0.001 |
| 79 | 30 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 80 | 30 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 81 | 30 | LDR-Biased | 0.261 | 0.261 | 0 |
| 82 | 30 | LDR-Unbiased | 0.261 | 0.27 | 0.009 |
| 83 | 30 | LDR-Unbiased | 0.262 | 0.262 | 0 |
| 84 | 30 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.263 | 0.26 | -0.003 |
| 86 | 30 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 87 | 100 | LDR-Biased | 0.26 | 0.26 | 0 |
| 88 | 100 | LDR-Biased | 0.272 | 0.27 | -0.002 |
| 90 | 100 | LDR-Biased | 0.27 | 0.27 | 0 |
| 91 | 100 | LDR-Unbiased | 0.262 | 0.26 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.26 | 0.261 | 0.001 |
| 94 | 100 | LDR-Unbiased | 0.271 | 0.262 | -0.009 |
| 95 | 100 | LDR-Unbiased | 0.27 | 0.26 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.27 | 0.26 | -0.01 |
| 106 | 50 | LDR-Biased | 0.273 | 0.262 | -0.011 |
| 108 | 50 | LDR-Biased | 0.271 | 0.269 | -0.002 |
| 109 | 50 | LDR-Biased | 0.265 | 0.26 | -0.005 |
| 110 | 50 | LDR-Biased | 0.27 | 0.261 | -0.009 |
| 111 | 50 | LDR-Biased | 0.261 | 0.261 | 0 |
| 112 | 50 | LDR-Unbiased | 0.261 | 0.269 | 0.008 |
| 113 | 50 | LDR-Unbiased | 0.262 | 0.261 | -0.001 |
| 115 | 50 | LDR-Unbiased | 0.263 | 0.257 | -0.006 |
| 116 | 50 | LDR-Unbiased | 0.261 | 0.271 | 0.01 |
| 117 | 50 | LDR-Unbiased | 0.272 | 0.27 | -0.002 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0.261 | 0.2655 | 0.27 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 0.261 | 0.2659 | 0.273 | 0.0050211 | 0.26 | 0.2649 | 0.272 | 0.0049092 | -0.011 | -0.001 | 0.01 | 0.006733 |
| 10 | 0.261 | 0.2659 | 0.273 | 0.0050211 | 0.26 | 0.2647 | 0.271 | 0.0043474 | -0.01 | -0.0012 | 0.01 | 0.0066131 |
| 30 | 0.261 | 0.2659 | 0.273 | 0.0050211 | 0.26 | 0.2651 | 0.272 | 0.0050211 | -0.009 | -0.0008 | 0.01 | 0.0064601 |
| 50 | 0.261 | 0.2659 | 0.273 | 0.0050211 | 0.257 | 0.2641 | 0.271 | 0.0050651 | -0.011 | -0.0018 | 0.01 | 0.0066966 |
| 100 | 0.26 | 0.26688 | 0.272 | 0.0052219 | 0.26 | 0.26288 | 0.27 | 0.0044541 | -0.01 | -0.004 | 0.001 | 0.0048107 |

# Device Test: 5.9 tpd_EN4_SD/EN4/1.6/3/0/0/0/@TPD_EN



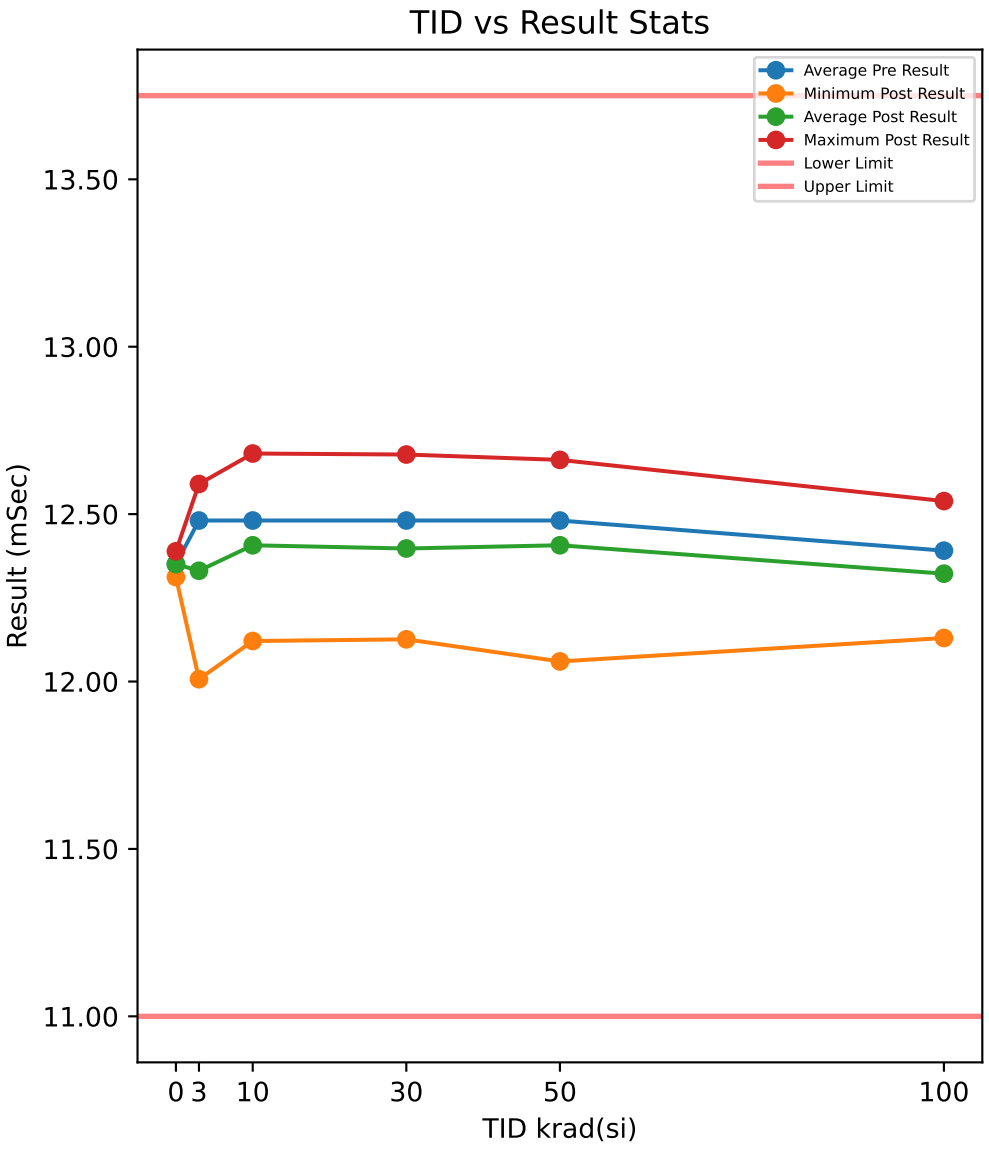

Test Results (Lower Limit = 0.0, Upper Limit = 6.4 (uSec))

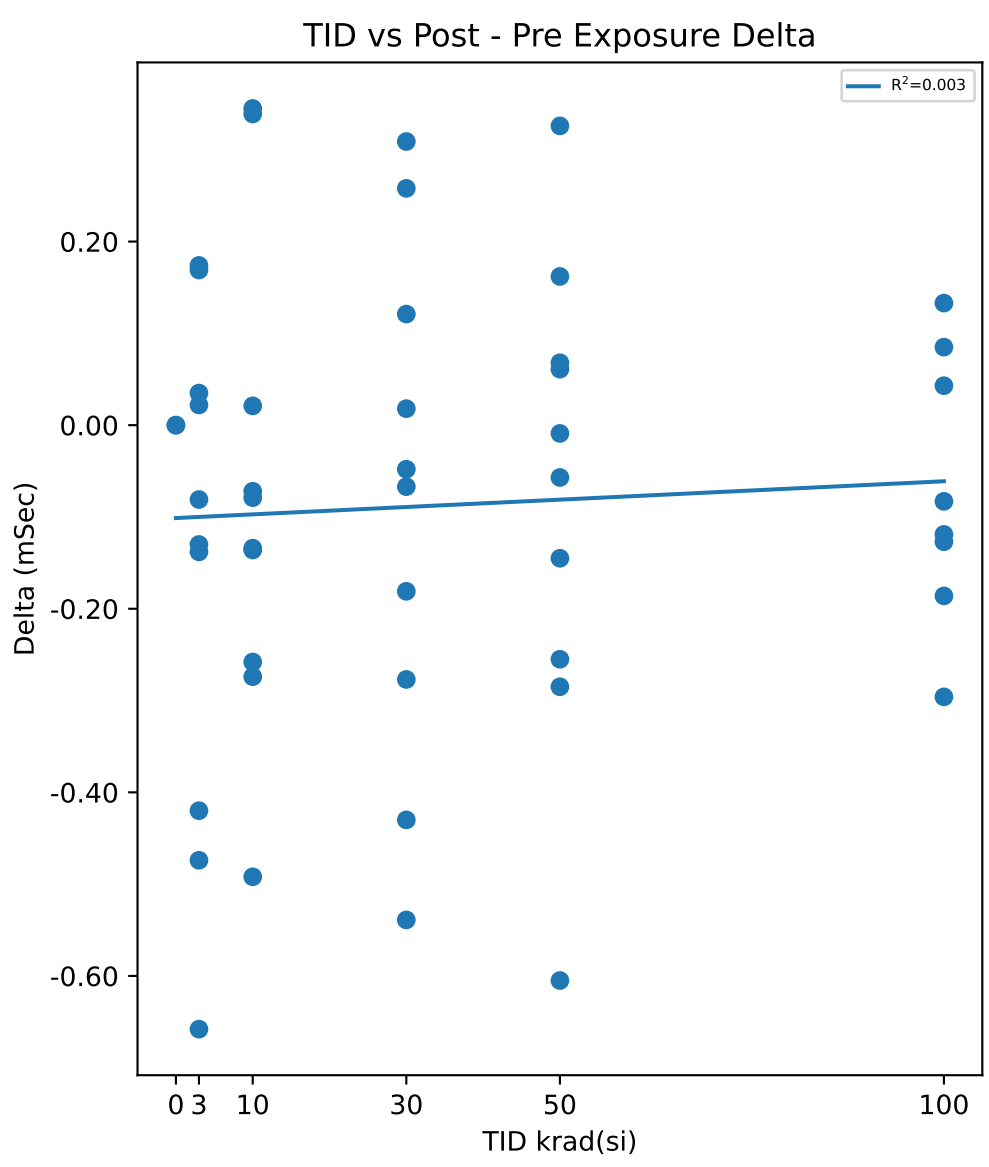
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 4.147 | 4.147 | 0 |
| 7 | 0 | Correlation | 4.538 | 4.538 | 0 |
| 16 | 3 | LDR-Biased | 4.229 | 4.25 | 0.021 |
| 18 | 3 | LDR-Biased | 4.498 | 4.113 | -0.385 |
| 19 | 3 | LDR-Biased | 4.51 | 4.065 | -0.445 |
| 20 | 3 | LDR-Biased | 4.387 | 4.25 | -0.137 |
| 21 | 3 | LDR-Biased | 4.805 | 4.785 | -0.02 |
| 22 | 3 | LDR-Unbiased | 4.206 | 4.032 | -0.174 |
| 23 | 3 | LDR-Unbiased | 4.341 | 4.658 | 0.317 |
| 25 | 3 | LDR-Unbiased | 4.84 | 4.157 | -0.683 |
| 26 | 3 | LDR-Unbiased | 4.808 | 4.308 | -0.5 |
| 27 | 3 | LDR-Unbiased | 4.364 | 3.913 | -0.451 |
| 46 | 10 | LDR-Biased | 4.229 | 4.411 | 0.182 |
| 48 | 10 | LDR-Biased | 4.498 | 4.088 | -0.41 |
| 49 | 10 | LDR-Biased | 4.51 | 4.272 | -0.238 |
| 50 | 10 | LDR-Biased | 4.387 | 4.245 | -0.142 |
| 51 | 10 | LDR-Biased | 4.805 | 4.673 | -0.132 |
| 52 | 10 | LDR-Unbiased | 4.206 | 4.681 | 0.475 |
| 53 | 10 | LDR-Unbiased | 4.341 | 4.6 | 0.259 |
| 55 | 10 | LDR-Unbiased | 4.84 | 4.727 | -0.113 |
| 56 | 10 | LDR-Unbiased | 4.808 | 4.727 | -0.081 |
| 57 | 10 | LDR-Unbiased | 4.364 | 4.409 | 0.045 |
| 76 | 30 | LDR-Biased | 4.229 | 4.069 | -0.16 |
| 78 | 30 | LDR-Biased | 4.498 | 4.434 | -0.064 |
| 79 | 30 | LDR-Biased | 4.51 | 4.781 | 0.271 |
| 80 | 30 | LDR-Biased | 4.387 | 4.784 | 0.397 |
| 81 | 30 | LDR-Biased | 4.805 | 4.375 | -0.43 |
| 82 | 30 | LDR-Unbiased | 4.206 | 4.55 | 0.344 |
| 83 | 30 | LDR-Unbiased | 4.341 | 4.376 | 0.035 |
| 84 | 30 | LDR-Unbiased | 4.364 | 4.348 | -0.016 |
| 85 | 30 | LDR-Unbiased | 4.84 | 4.345 | -0.495 |
| 86 | 30 | LDR-Unbiased | 4.808 | 4.748 | -0.06 |
| 87 | 100 | LDR-Biased | 4.1 | 4.684 | 0.584 |
| 88 | 100 | LDR-Biased | 4.038 | 4.481 | 0.443 |
| 90 | 100 | LDR-Biased | 4.577 | 4.499 | -0.078 |
| 91 | 100 | LDR-Unbiased | 4.557 | 4.744 | 0.187 |
| 93 | 100 | LDR-Unbiased | 3.938 | 4.29 | 0.352 |
| 94 | 100 | LDR-Unbiased | 4.747 | 4.339 | -0.408 |
| 95 | 100 | LDR-Unbiased | 4.087 | 4.465 | 0.378 |
| 96 | 100 | LDR-Unbiased | 4.499 | 4.587 | 0.088 |
| 106 | 50 | LDR-Biased | 4.229 | 4.551 | 0.322 |
| 108 | 50 | LDR-Biased | 4.498 | 4.516 | 0.018 |
| 109 | 50 | LDR-Biased | 4.51 | 4.34 | -0.17 |
| 110 | 50 | LDR-Biased | 4.387 | 4.494 | 0.107 |
| 111 | 50 | LDR-Biased | 4.805 | 4.309 | -0.496 |
| 112 | 50 | LDR-Unbiased | 4.206 | 4.057 | -0.149 |
| 113 | 50 | LDR-Unbiased | 4.341 | 4.71 | 0.369 |
| 115 | 50 | LDR-Unbiased | 4.84 | 4.379 | -0.461 |
| 116 | 50 | LDR-Unbiased | 4.808 | 3.892 | -0.916 |
| 117 | 50 | LDR-Unbiased | 4.364 | 4.056 | -0.308 |

Test Statistics (uSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 4.147 | 4.3425 | 4.538 | 0.27648 | 4.147 | 4.3425 | 4.538 | 0.27648 | 0 | 0 | 0 | 0 |
| 3 | 4.206 | 4.4988 | 4.84 | 0.24037 | 3.913 | 4.2531 | 4.785 | 0.27461 | -0.683 | -0.2457 | 0.317 | 0.30052 |
| 10 | 4.206 | 4.4988 | 4.84 | 0.24037 | 4.088 | 4.4833 | 4.727 | 0.22996 | -0.41 | -0.0155 | 0.475 | 0.25973 |
| 30 | 4.206 | 4.4988 | 4.84 | 0.24037 | 4.069 | 4.481 | 4.784 | 0.23292 | -0.495 | -0.0178 | 0.397 | 0.30017 |
| 50 | 4.206 | 4.4988 | 4.84 | 0.24037 | 3.892 | 4.3304 | 4.71 | 0.25801 | -0.916 | -0.1684 | 0.369 | 0.39603 |
| 100 | 3.938 | 4.3179 | 4.747 | 0.30815 | 4.29 | 4.5111 | 4.744 | 0.15656 | -0.408 | 0.19325 | 0.584 | 0.32084 |

# Device Test: 5.90 tdly_Res619K_EN1_SU/EN1/1.6/14/619K/0/0/@DLY_TMR_500KOHM



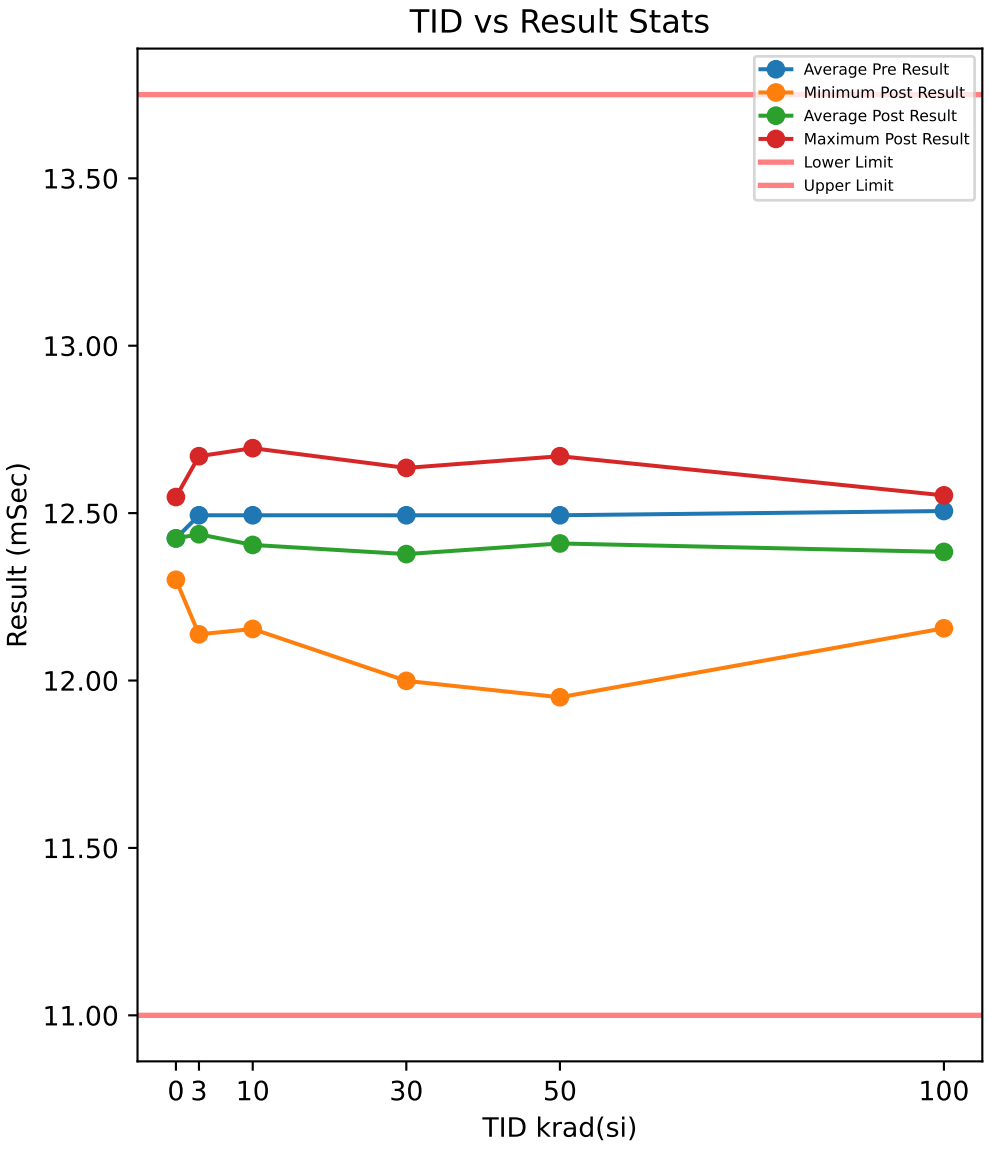

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

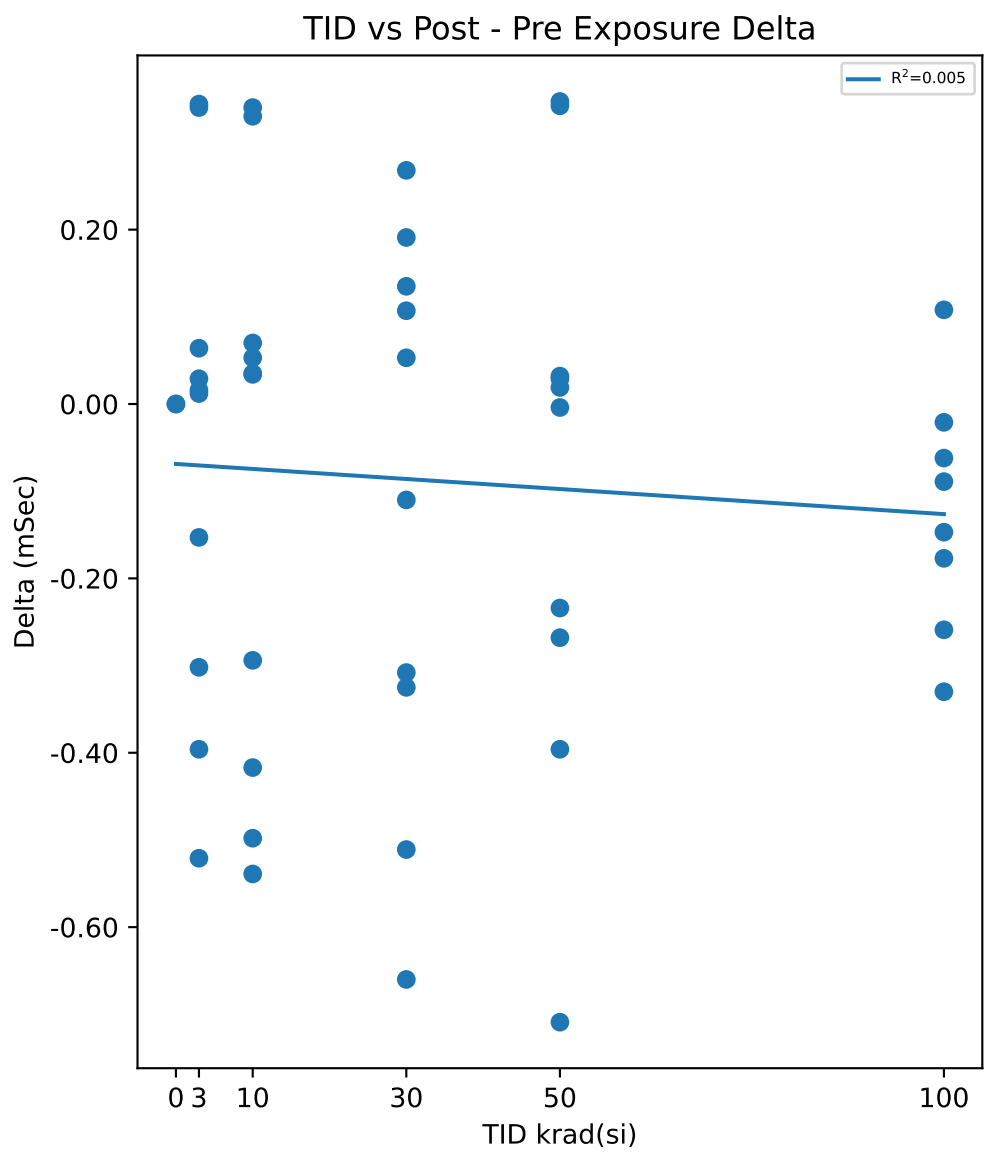
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.389 | 12.389 | 0 |
| 7 | 0 | Correlation | 12.312 | 12.312 | 0 |
| 16 | 3 | LDR-Biased | 12.558 | 12.138 | -0.42 |
| 18 | 3 | LDR-Biased | 12.66 | 12.522 | -0.138 |
| 19 | 3 | LDR-Biased | 12.476 | 12.346 | -0.13 |
| 20 | 3 | LDR-Biased | 12.577 | 12.103 | -0.474 |
| 21 | 3 | LDR-Biased | 12.255 | 12.29 | 0.035 |
| 22 | 3 | LDR-Unbiased | 12.285 | 12.454 | 0.169 |
| 23 | 3 | LDR-Unbiased | 12.671 | 12.59 | -0.081 |
| 25 | 3 | LDR-Unbiased | 12.665 | 12.007 | -0.658 |
| 26 | 3 | LDR-Unbiased | 12.326 | 12.348 | 0.022 |
| 27 | 3 | LDR-Unbiased | 12.336 | 12.51 | 0.174 |
| 46 | 10 | LDR-Biased | 12.558 | 12.3 | -0.258 |
| 48 | 10 | LDR-Biased | 12.66 | 12.524 | -0.136 |
| 49 | 10 | LDR-Biased | 12.476 | 12.497 | 0.021 |
| 50 | 10 | LDR-Biased | 12.577 | 12.303 | -0.274 |
| 51 | 10 | LDR-Biased | 12.255 | 12.121 | -0.134 |
| 52 | 10 | LDR-Unbiased | 12.285 | 12.624 | 0.339 |
| 53 | 10 | LDR-Unbiased | 12.671 | 12.592 | -0.079 |
| 55 | 10 | LDR-Unbiased | 12.665 | 12.173 | -0.492 |
| 56 | 10 | LDR-Unbiased | 12.326 | 12.254 | -0.072 |
| 57 | 10 | LDR-Unbiased | 12.336 | 12.681 | 0.345 |
| 76 | 30 | LDR-Biased | 12.558 | 12.281 | -0.277 |
| 78 | 30 | LDR-Biased | 12.66 | 12.678 | 0.018 |
| 79 | 30 | LDR-Biased | 12.476 | 12.295 | -0.181 |
| 80 | 30 | LDR-Biased | 12.577 | 12.147 | -0.43 |
| 81 | 30 | LDR-Biased | 12.255 | 12.376 | 0.121 |
| 82 | 30 | LDR-Unbiased | 12.285 | 12.594 | 0.309 |
| 83 | 30 | LDR-Unbiased | 12.671 | 12.623 | -0.048 |
| 84 | 30 | LDR-Unbiased | 12.336 | 12.594 | 0.258 |
| 85 | 30 | LDR-Unbiased | 12.665 | 12.126 | -0.539 |
| 86 | 30 | LDR-Unbiased | 12.326 | 12.259 | -0.067 |
| 87 | 100 | LDR-Biased | 12.247 | 12.332 | 0.085 |
| 88 | 100 | LDR-Biased | 12.666 | 12.539 | -0.127 |
| 90 | 100 | LDR-Biased | 12.492 | 12.535 | 0.043 |
| 91 | 100 | LDR-Unbiased | 12.126 | 12.259 | 0.133 |
| 93 | 100 | LDR-Unbiased | 12.249 | 12.13 | -0.119 |
| 94 | 100 | LDR-Unbiased | 12.535 | 12.239 | -0.296 |
| 95 | 100 | LDR-Unbiased | 12.485 | 12.402 | -0.083 |
| 96 | 100 | LDR-Unbiased | 12.327 | 12.141 | -0.186 |
| 106 | 50 | LDR-Biased | 12.558 | 12.273 | -0.285 |
| 108 | 50 | LDR-Biased | 12.66 | 12.651 | -0.009 |
| 109 | 50 | LDR-Biased | 12.476 | 12.419 | -0.057 |
| 110 | 50 | LDR-Biased | 12.577 | 12.322 | -0.255 |
| 111 | 50 | LDR-Biased | 12.255 | 12.316 | 0.061 |
| 112 | 50 | LDR-Unbiased | 12.285 | 12.447 | 0.162 |
| 113 | 50 | LDR-Unbiased | 12.671 | 12.526 | -0.145 |
| 115 | 50 | LDR-Unbiased | 12.665 | 12.06 | -0.605 |
| 116 | 50 | LDR-Unbiased | 12.326 | 12.394 | 0.068 |
| 117 | 50 | LDR-Unbiased | 12.336 | 12.662 | 0.326 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.312 | 12.351 | 12.389 | 0.054447 | 12.312 | 12.351 | 12.389 | 0.054447 | 0 | 0 | 0 | 0 |
| 3 | 12.255 | 12.481 | 12.671 | 0.16724 | 12.007 | 12.331 | 12.59 | 0.19639 | -0.658 | -0.1501 | 0.174 | 0.28123 |
| 10 | 12.255 | 12.481 | 12.671 | 0.16724 | 12.121 | 12.407 | 12.681 | 0.20011 | -0.492 | -0.074 | 0.345 | 0.2606 |
| 30 | 12.255 | 12.481 | 12.671 | 0.16724 | 12.126 | 12.397 | 12.678 | 0.20735 | -0.539 | -0.0836 | 0.309 | 0.27865 |
| 50 | 12.255 | 12.481 | 12.671 | 0.16724 | 12.06 | 12.407 | 12.662 | 0.18089 | -0.605 | -0.0739 | 0.326 | 0.26308 |
| 100 | 12.126 | 12.391 | 12.666 | 0.18151 | 12.13 | 12.322 | 12.539 | 0.16011 | -0.296 | -0.06875 | 0.133 | 0.14557 |

# Device Test: 5.91 tdly_Res619K_EN2_SU/EN2/1.6/14/619K/0/0/@DLY_TMR_500KOHM



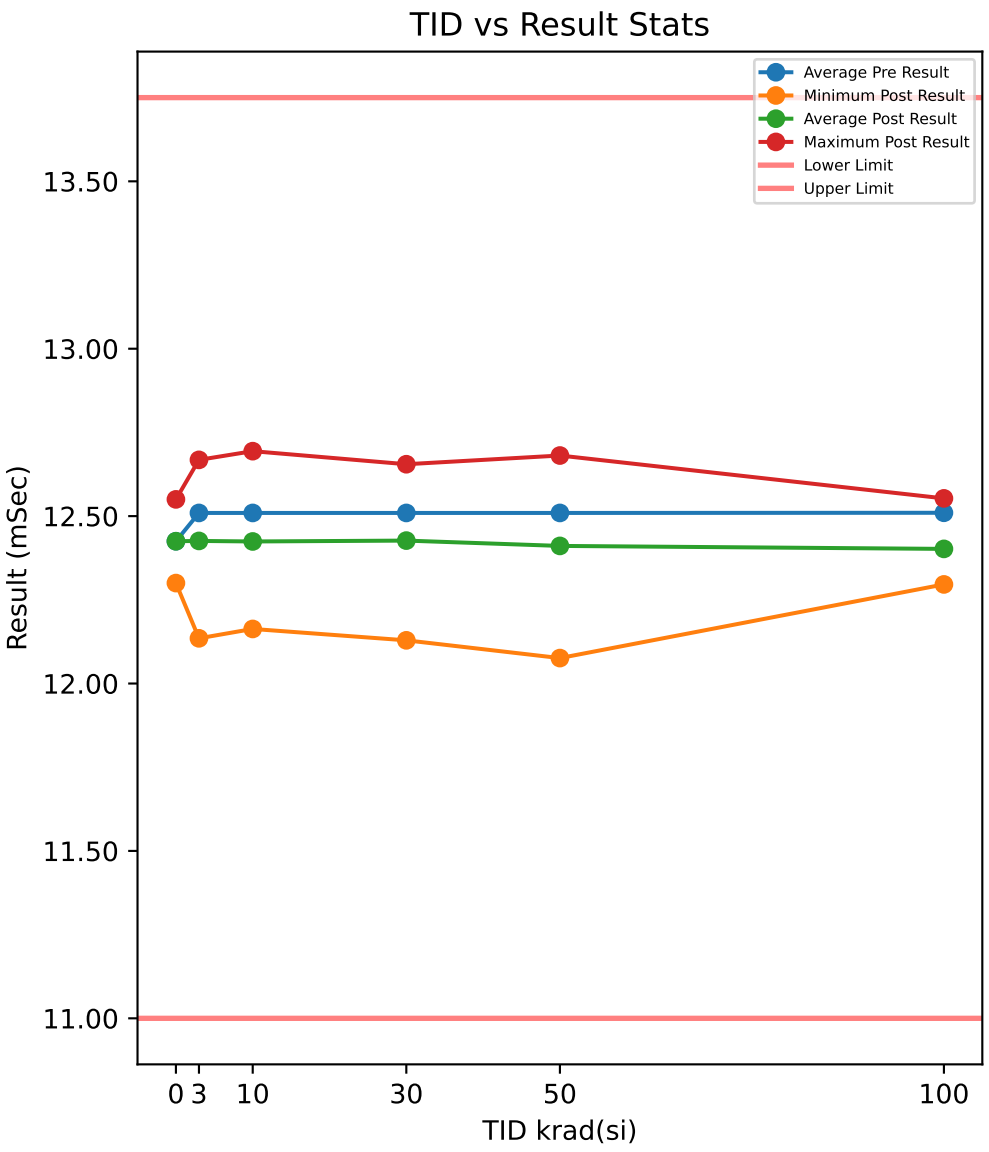

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

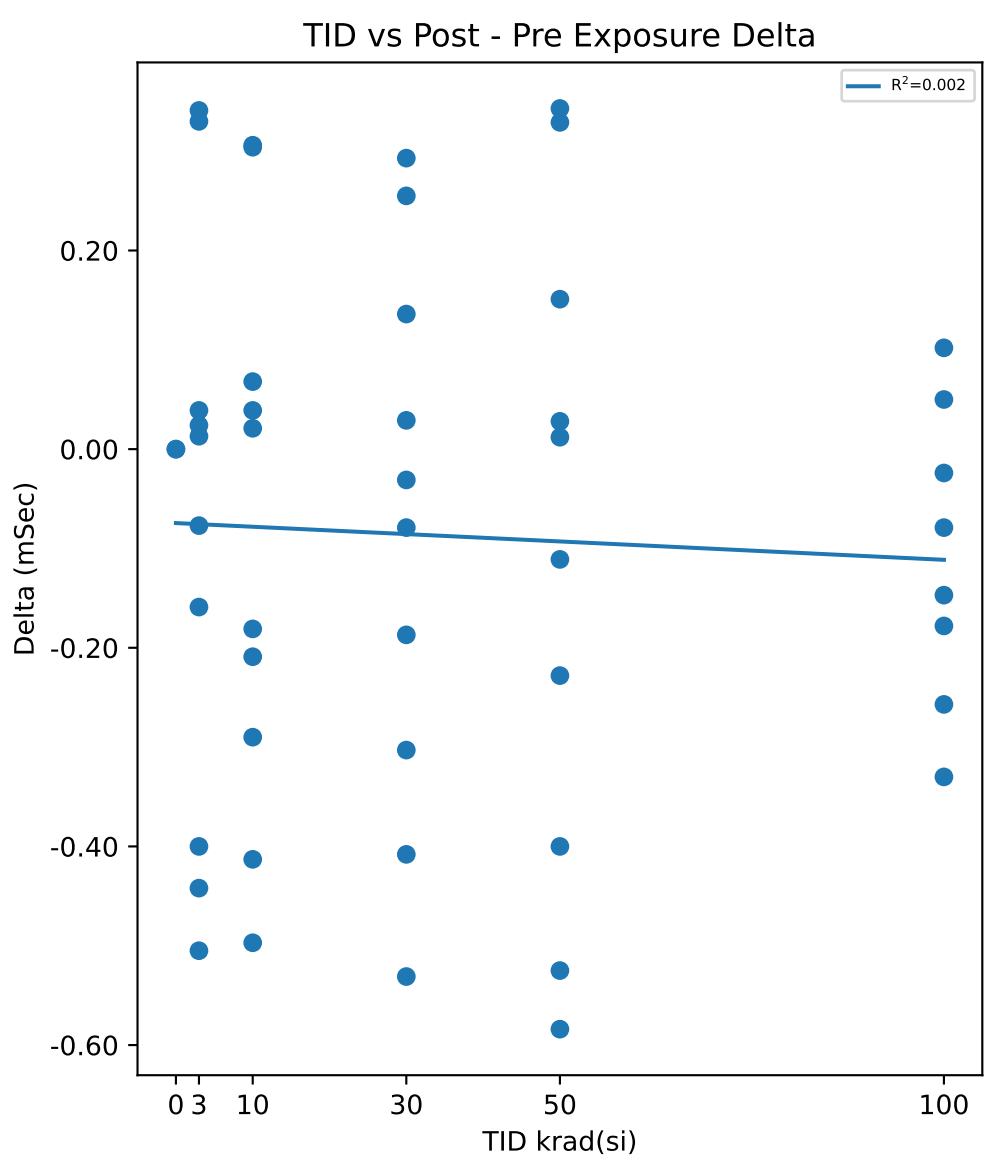
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.548 | 12.548 | 0 |
| 7 | 0 | Correlation | 12.301 | 12.301 | 0 |
| 16 | 3 | LDR-Biased | 12.693 | 12.297 | -0.396 |
| 18 | 3 | LDR-Biased | 12.641 | 12.67 | 0.029 |
| 19 | 3 | LDR-Biased | 12.644 | 12.491 | -0.153 |
| 20 | 3 | LDR-Biased | 12.573 | 12.271 | -0.302 |
| 21 | 3 | LDR-Biased | 12.244 | 12.256 | 0.012 |
| 22 | 3 | LDR-Unbiased | 12.278 | 12.622 | 0.344 |
| 23 | 3 | LDR-Unbiased | 12.528 | 12.592 | 0.064 |
| 25 | 3 | LDR-Unbiased | 12.659 | 12.138 | -0.521 |
| 26 | 3 | LDR-Unbiased | 12.348 | 12.364 | 0.016 |
| 27 | 3 | LDR-Unbiased | 12.328 | 12.668 | 0.34 |
| 46 | 10 | LDR-Biased | 12.693 | 12.154 | -0.539 |
| 48 | 10 | LDR-Biased | 12.641 | 12.694 | 0.053 |
| 49 | 10 | LDR-Biased | 12.644 | 12.35 | -0.294 |
| 50 | 10 | LDR-Biased | 12.573 | 12.156 | -0.417 |
| 51 | 10 | LDR-Biased | 12.244 | 12.279 | 0.035 |
| 52 | 10 | LDR-Unbiased | 12.278 | 12.608 | 0.33 |
| 53 | 10 | LDR-Unbiased | 12.528 | 12.598 | 0.07 |
| 55 | 10 | LDR-Unbiased | 12.659 | 12.161 | -0.498 |
| 56 | 10 | LDR-Unbiased | 12.348 | 12.382 | 0.034 |
| 57 | 10 | LDR-Unbiased | 12.328 | 12.668 | 0.34 |
| 76 | 30 | LDR-Biased | 12.693 | 12.182 | -0.511 |
| 78 | 30 | LDR-Biased | 12.641 | 12.531 | -0.11 |
| 79 | 30 | LDR-Biased | 12.644 | 12.319 | -0.325 |
| 80 | 30 | LDR-Biased | 12.573 | 12.265 | -0.308 |
| 81 | 30 | LDR-Biased | 12.244 | 12.379 | 0.135 |
| 82 | 30 | LDR-Unbiased | 12.278 | 12.469 | 0.191 |
| 83 | 30 | LDR-Unbiased | 12.528 | 12.635 | 0.107 |
| 84 | 30 | LDR-Unbiased | 12.328 | 12.596 | 0.268 |
| 85 | 30 | LDR-Unbiased | 12.659 | 11.999 | -0.66 |
| 86 | 30 | LDR-Unbiased | 12.348 | 12.401 | 0.053 |
| 87 | 100 | LDR-Biased | 12.38 | 12.359 | -0.021 |
| 88 | 100 | LDR-Biased | 12.697 | 12.55 | -0.147 |
| 90 | 100 | LDR-Biased | 12.642 | 12.553 | -0.089 |
| 91 | 100 | LDR-Unbiased | 12.279 | 12.387 | 0.108 |
| 93 | 100 | LDR-Unbiased | 12.218 | 12.156 | -0.062 |
| 94 | 100 | LDR-Unbiased | 12.696 | 12.366 | -0.33 |
| 95 | 100 | LDR-Unbiased | 12.663 | 12.404 | -0.259 |
| 96 | 100 | LDR-Unbiased | 12.475 | 12.298 | -0.177 |
| 106 | 50 | LDR-Biased | 12.693 | 12.297 | -0.396 |
| 108 | 50 | LDR-Biased | 12.641 | 12.637 | -0.004 |
| 109 | 50 | LDR-Biased | 12.644 | 12.41 | -0.234 |
| 110 | 50 | LDR-Biased | 12.573 | 12.305 | -0.268 |
| 111 | 50 | LDR-Biased | 12.244 | 12.263 | 0.019 |
| 112 | 50 | LDR-Unbiased | 12.278 | 12.625 | 0.347 |
| 113 | 50 | LDR-Unbiased | 12.528 | 12.557 | 0.029 |
| 115 | 50 | LDR-Unbiased | 12.659 | 11.95 | -0.709 |
| 116 | 50 | LDR-Unbiased | 12.348 | 12.38 | 0.032 |
| 117 | 50 | LDR-Unbiased | 12.328 | 12.67 | 0.342 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.301 | 12.425 | 12.548 | 0.17466 | 12.301 | 12.425 | 12.548 | 0.17466 | 0 | 0 | 0 | 0 |
| 3 | 12.244 | 12.494 | 12.693 | 0.17523 | 12.138 | 12.437 | 12.67 | 0.19535 | -0.521 | -0.0567 | 0.344 | 0.28867 |
| 10 | 12.244 | 12.494 | 12.693 | 0.17523 | 12.154 | 12.405 | 12.694 | 0.21988 | -0.539 | -0.0886 | 0.34 | 0.32574 |
| 30 | 12.244 | 12.494 | 12.693 | 0.17523 | 11.999 | 12.378 | 12.635 | 0.19553 | -0.66 | -0.116 | 0.268 | 0.31895 |
| 50 | 12.244 | 12.494 | 12.693 | 0.17523 | 11.95 | 12.409 | 12.67 | 0.22233 | -0.709 | -0.0842 | 0.347 | 0.32571 |
| 100 | 12.218 | 12.506 | 12.697 | 0.19531 | 12.156 | 12.384 | 12.553 | 0.1292 | -0.33 | -0.12212 | 0.108 | 0.13809 |

# Device Test: 5.92 tdly_Res619K_EN3_SU/EN3/1.6/14/619K/0/0/@DLY_TMR_500KOHM



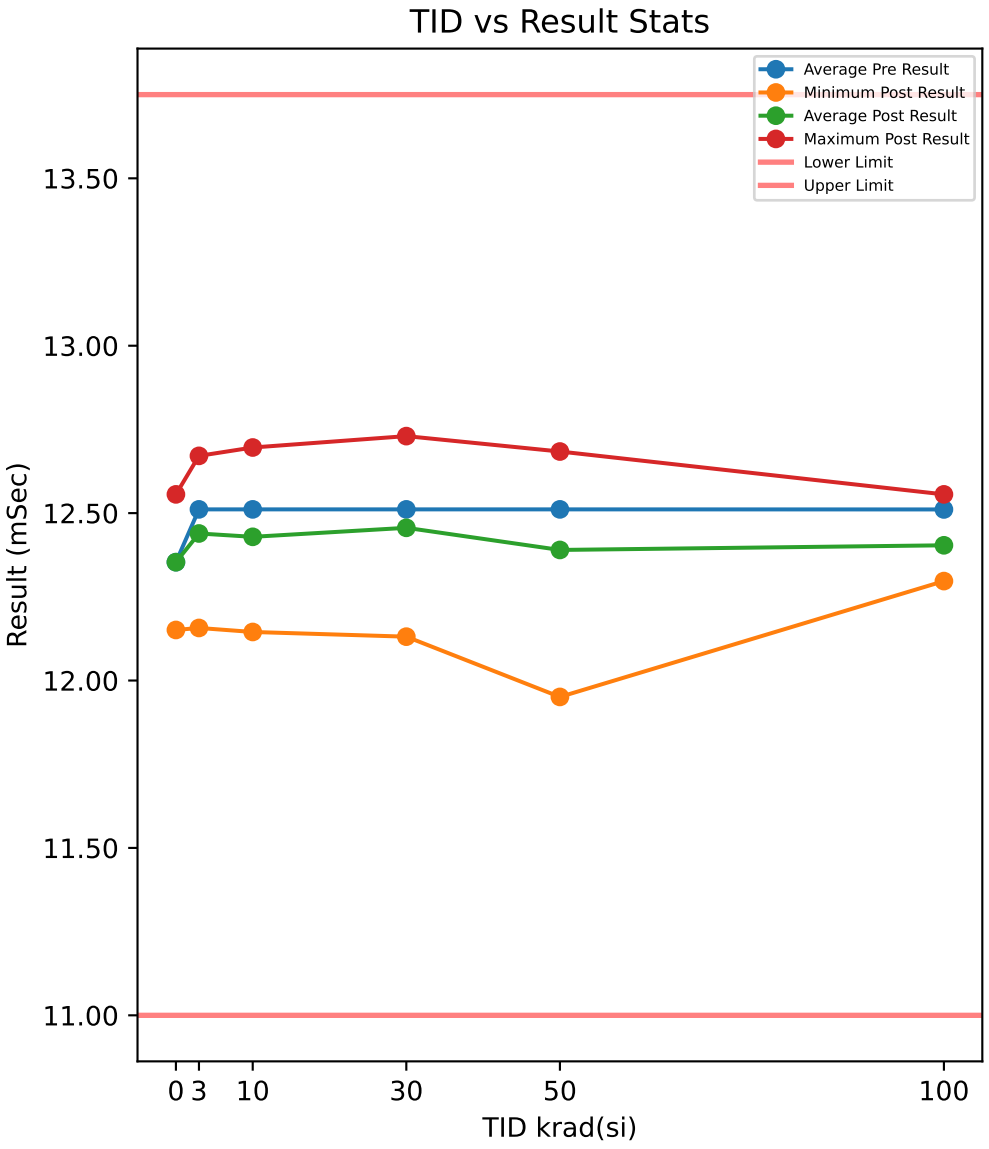

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

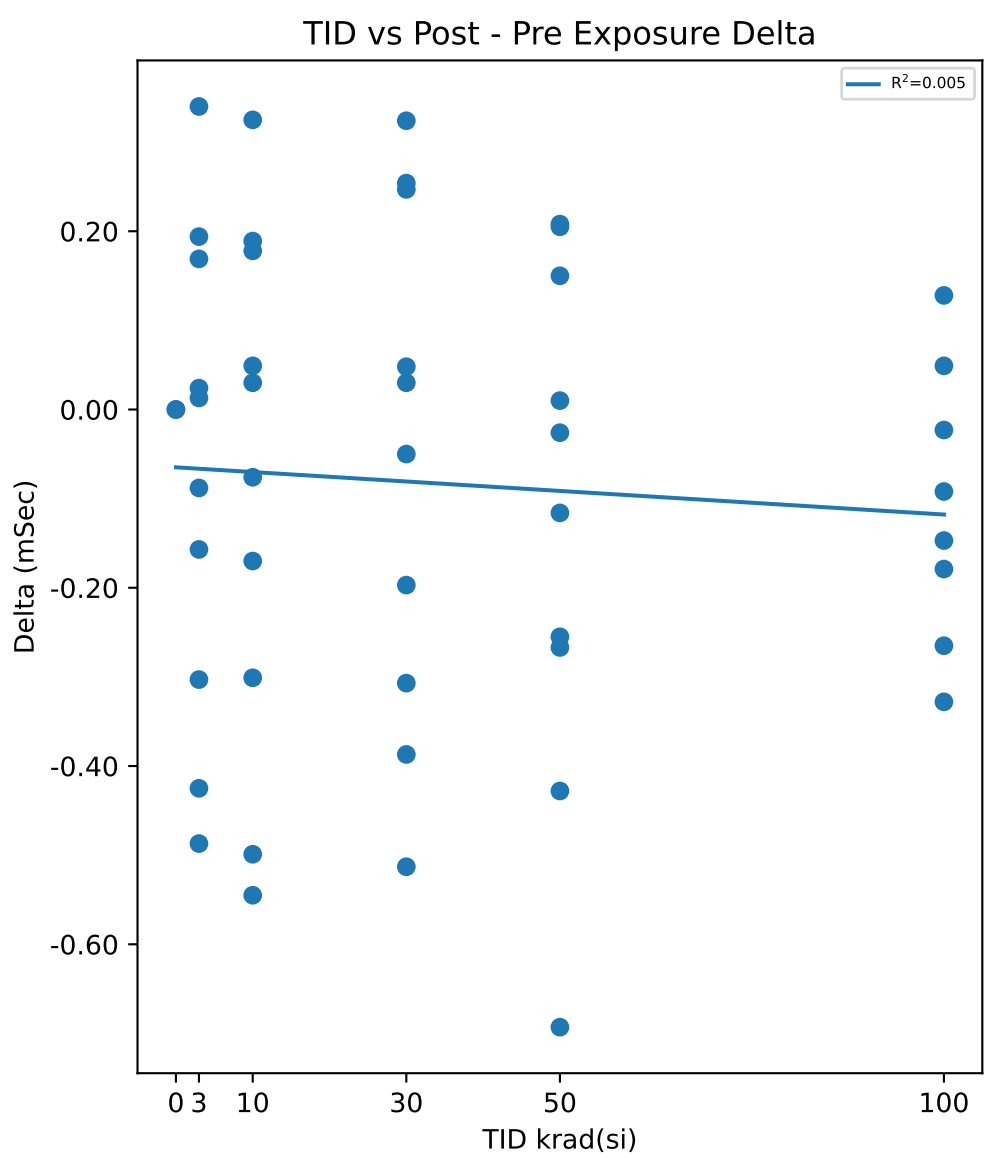
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.55 | 12.55 | 0 |
| 7 | 0 | Correlation | 12.3 | 12.3 | 0 |
| 16 | 3 | LDR-Biased | 12.696 | 12.296 | -0.4 |
| 18 | 3 | LDR-Biased | 12.626 | 12.665 | 0.039 |
| 19 | 3 | LDR-Biased | 12.65 | 12.491 | -0.159 |
| 20 | 3 | LDR-Biased | 12.577 | 12.135 | -0.442 |
| 21 | 3 | LDR-Biased | 12.244 | 12.268 | 0.024 |
| 22 | 3 | LDR-Unbiased | 12.282 | 12.623 | 0.341 |
| 23 | 3 | LDR-Unbiased | 12.669 | 12.592 | -0.077 |
| 25 | 3 | LDR-Unbiased | 12.66 | 12.155 | -0.505 |
| 26 | 3 | LDR-Unbiased | 12.353 | 12.366 | 0.013 |
| 27 | 3 | LDR-Unbiased | 12.338 | 12.668 | 0.33 |
| 46 | 10 | LDR-Biased | 12.696 | 12.283 | -0.413 |
| 48 | 10 | LDR-Biased | 12.626 | 12.694 | 0.068 |
| 49 | 10 | LDR-Biased | 12.65 | 12.469 | -0.181 |
| 50 | 10 | LDR-Biased | 12.577 | 12.287 | -0.29 |
| 51 | 10 | LDR-Biased | 12.244 | 12.283 | 0.039 |
| 52 | 10 | LDR-Unbiased | 12.282 | 12.586 | 0.304 |
| 53 | 10 | LDR-Unbiased | 12.669 | 12.46 | -0.209 |
| 55 | 10 | LDR-Unbiased | 12.66 | 12.163 | -0.497 |
| 56 | 10 | LDR-Unbiased | 12.353 | 12.374 | 0.021 |
| 57 | 10 | LDR-Unbiased | 12.338 | 12.644 | 0.306 |
| 76 | 30 | LDR-Biased | 12.696 | 12.288 | -0.408 |
| 78 | 30 | LDR-Biased | 12.626 | 12.655 | 0.029 |
| 79 | 30 | LDR-Biased | 12.65 | 12.463 | -0.187 |
| 80 | 30 | LDR-Biased | 12.577 | 12.274 | -0.303 |
| 81 | 30 | LDR-Biased | 12.244 | 12.38 | 0.136 |
| 82 | 30 | LDR-Unbiased | 12.282 | 12.575 | 0.293 |
| 83 | 30 | LDR-Unbiased | 12.669 | 12.638 | -0.031 |
| 84 | 30 | LDR-Unbiased | 12.338 | 12.593 | 0.255 |
| 85 | 30 | LDR-Unbiased | 12.66 | 12.129 | -0.531 |
| 86 | 30 | LDR-Unbiased | 12.353 | 12.274 | -0.079 |
| 87 | 100 | LDR-Biased | 12.382 | 12.358 | -0.024 |
| 88 | 100 | LDR-Biased | 12.699 | 12.552 | -0.147 |
| 90 | 100 | LDR-Biased | 12.632 | 12.553 | -0.079 |
| 91 | 100 | LDR-Unbiased | 12.285 | 12.387 | 0.102 |
| 93 | 100 | LDR-Unbiased | 12.246 | 12.296 | 0.05 |
| 94 | 100 | LDR-Unbiased | 12.696 | 12.366 | -0.33 |
| 95 | 100 | LDR-Unbiased | 12.664 | 12.407 | -0.257 |
| 96 | 100 | LDR-Unbiased | 12.476 | 12.298 | -0.178 |
| 106 | 50 | LDR-Biased | 12.696 | 12.171 | -0.525 |
| 108 | 50 | LDR-Biased | 12.626 | 12.638 | 0.012 |
| 109 | 50 | LDR-Biased | 12.65 | 12.422 | -0.228 |
| 110 | 50 | LDR-Biased | 12.577 | 12.177 | -0.4 |
| 111 | 50 | LDR-Biased | 12.244 | 12.395 | 0.151 |
| 112 | 50 | LDR-Unbiased | 12.282 | 12.611 | 0.329 |
| 113 | 50 | LDR-Unbiased | 12.669 | 12.558 | -0.111 |
| 115 | 50 | LDR-Unbiased | 12.66 | 12.076 | -0.584 |
| 116 | 50 | LDR-Unbiased | 12.353 | 12.381 | 0.028 |
| 117 | 50 | LDR-Unbiased | 12.338 | 12.681 | 0.343 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.3 | 12.425 | 12.55 | 0.17678 | 12.3 | 12.425 | 12.55 | 0.17678 | 0 | 0 | 0 | 0 |
| 3 | 12.244 | 12.509 | 12.696 | 0.18163 | 12.135 | 12.426 | 12.668 | 0.20813 | -0.505 | -0.0836 | 0.341 | 0.29799 |
| 10 | 12.244 | 12.509 | 12.696 | 0.18163 | 12.163 | 12.424 | 12.694 | 0.17639 | -0.497 | -0.0852 | 0.306 | 0.27852 |
| 30 | 12.244 | 12.509 | 12.696 | 0.18163 | 12.129 | 12.427 | 12.655 | 0.18391 | -0.531 | -0.0826 | 0.293 | 0.27576 |
| 50 | 12.244 | 12.509 | 12.696 | 0.18163 | 12.076 | 12.411 | 12.681 | 0.21393 | -0.584 | -0.0985 | 0.343 | 0.33226 |
| 100 | 12.246 | 12.51 | 12.699 | 0.18776 | 12.296 | 12.402 | 12.553 | 0.10059 | -0.33 | -0.10787 | 0.102 | 0.14874 |

# Device Test: 5.93 tdly_Res619K_EN4_SU/EN4/1.6/14/619K/0/0/@DLY_TMR_500KOHM



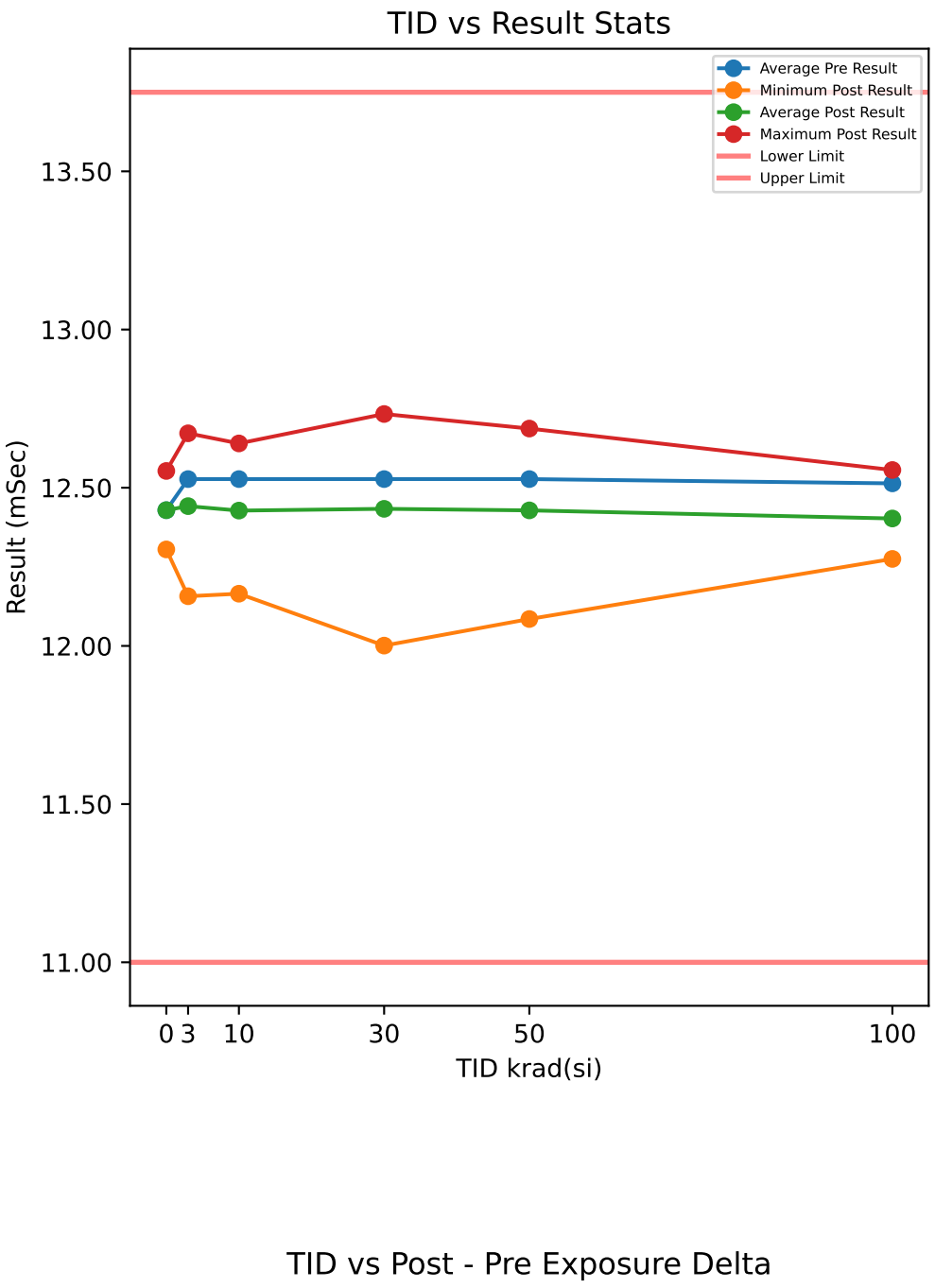

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

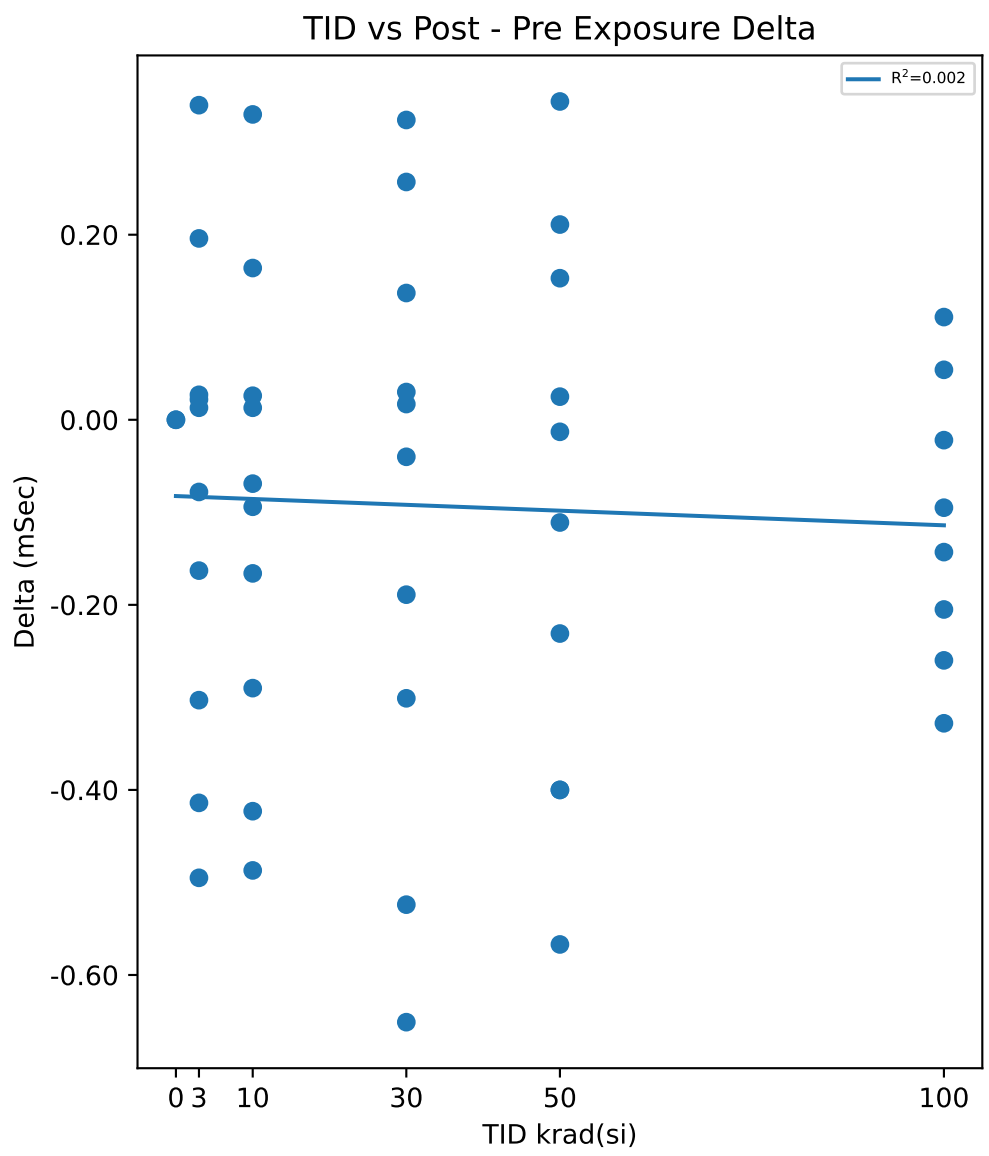
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.556 | 12.556 | 0 |
| 7 | 0 | Correlation | 12.151 | 12.151 | 0 |
| 16 | 3 | LDR-Biased | 12.699 | 12.274 | -0.425 |
| 18 | 3 | LDR-Biased | 12.647 | 12.671 | 0.024 |
| 19 | 3 | LDR-Biased | 12.649 | 12.492 | -0.157 |
| 20 | 3 | LDR-Biased | 12.579 | 12.276 | -0.303 |
| 21 | 3 | LDR-Biased | 12.104 | 12.273 | 0.169 |
| 22 | 3 | LDR-Unbiased | 12.286 | 12.626 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.673 | 12.585 | -0.088 |
| 25 | 3 | LDR-Unbiased | 12.644 | 12.157 | -0.487 |
| 26 | 3 | LDR-Unbiased | 12.355 | 12.368 | 0.013 |
| 27 | 3 | LDR-Unbiased | 12.476 | 12.67 | 0.194 |
| 46 | 10 | LDR-Biased | 12.699 | 12.154 | -0.545 |
| 48 | 10 | LDR-Biased | 12.647 | 12.696 | 0.049 |
| 49 | 10 | LDR-Biased | 12.649 | 12.479 | -0.17 |
| 50 | 10 | LDR-Biased | 12.579 | 12.278 | -0.301 |
| 51 | 10 | LDR-Biased | 12.104 | 12.282 | 0.178 |
| 52 | 10 | LDR-Unbiased | 12.286 | 12.611 | 0.325 |
| 53 | 10 | LDR-Unbiased | 12.673 | 12.597 | -0.076 |
| 55 | 10 | LDR-Unbiased | 12.644 | 12.145 | -0.499 |
| 56 | 10 | LDR-Unbiased | 12.355 | 12.385 | 0.03 |
| 57 | 10 | LDR-Unbiased | 12.476 | 12.665 | 0.189 |
| 76 | 30 | LDR-Biased | 12.699 | 12.312 | -0.387 |
| 78 | 30 | LDR-Biased | 12.647 | 12.677 | 0.03 |
| 79 | 30 | LDR-Biased | 12.649 | 12.452 | -0.197 |
| 80 | 30 | LDR-Biased | 12.579 | 12.272 | -0.307 |
| 81 | 30 | LDR-Biased | 12.104 | 12.351 | 0.247 |
| 82 | 30 | LDR-Unbiased | 12.286 | 12.61 | 0.324 |
| 83 | 30 | LDR-Unbiased | 12.673 | 12.623 | -0.05 |
| 84 | 30 | LDR-Unbiased | 12.476 | 12.73 | 0.254 |
| 85 | 30 | LDR-Unbiased | 12.644 | 12.131 | -0.513 |
| 86 | 30 | LDR-Unbiased | 12.355 | 12.403 | 0.048 |
| 87 | 100 | LDR-Biased | 12.383 | 12.36 | -0.023 |
| 88 | 100 | LDR-Biased | 12.7 | 12.553 | -0.147 |
| 90 | 100 | LDR-Biased | 12.648 | 12.556 | -0.092 |
| 91 | 100 | LDR-Unbiased | 12.262 | 12.39 | 0.128 |
| 93 | 100 | LDR-Unbiased | 12.248 | 12.297 | 0.049 |
| 94 | 100 | LDR-Unbiased | 12.699 | 12.371 | -0.328 |
| 95 | 100 | LDR-Unbiased | 12.669 | 12.404 | -0.265 |
| 96 | 100 | LDR-Unbiased | 12.479 | 12.3 | -0.179 |
| 106 | 50 | LDR-Biased | 12.699 | 12.271 | -0.428 |
| 108 | 50 | LDR-Biased | 12.647 | 12.621 | -0.026 |
| 109 | 50 | LDR-Biased | 12.649 | 12.394 | -0.255 |
| 110 | 50 | LDR-Biased | 12.579 | 12.312 | -0.267 |
| 111 | 50 | LDR-Biased | 12.104 | 12.254 | 0.15 |
| 112 | 50 | LDR-Unbiased | 12.286 | 12.491 | 0.205 |
| 113 | 50 | LDR-Unbiased | 12.673 | 12.557 | -0.116 |
| 115 | 50 | LDR-Unbiased | 12.644 | 11.951 | -0.693 |
| 116 | 50 | LDR-Unbiased | 12.355 | 12.365 | 0.01 |
| 117 | 50 | LDR-Unbiased | 12.476 | 12.684 | 0.208 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.151 | 12.354 | 12.556 | 0.28638 | 12.151 | 12.354 | 12.556 | 0.28638 | 0 | 0 | 0 | 0 |
| 3 | 12.104 | 12.511 | 12.699 | 0.20091 | 12.157 | 12.439 | 12.671 | 0.19212 | -0.487 | -0.072 | 0.34 | 0.27339 |
| 10 | 12.104 | 12.511 | 12.699 | 0.20091 | 12.145 | 12.429 | 12.696 | 0.20909 | -0.545 | -0.082 | 0.325 | 0.29447 |
| 30 | 12.104 | 12.511 | 12.699 | 0.20091 | 12.131 | 12.456 | 12.73 | 0.19709 | -0.513 | -0.0551 | 0.324 | 0.28903 |
| 50 | 12.104 | 12.511 | 12.699 | 0.20091 | 11.951 | 12.39 | 12.684 | 0.21343 | -0.693 | -0.1212 | 0.208 | 0.29342 |
| 100 | 12.248 | 12.511 | 12.7 | 0.19397 | 12.297 | 12.404 | 12.556 | 0.10056 | -0.328 | -0.10712 | 0.128 | 0.15466 |

# Device Test: 5.94 tdly_Res619K_SEQ_SU/SEQ_DONE/1.6/14/619K/0/0/@DLY_TMR_500KOHM



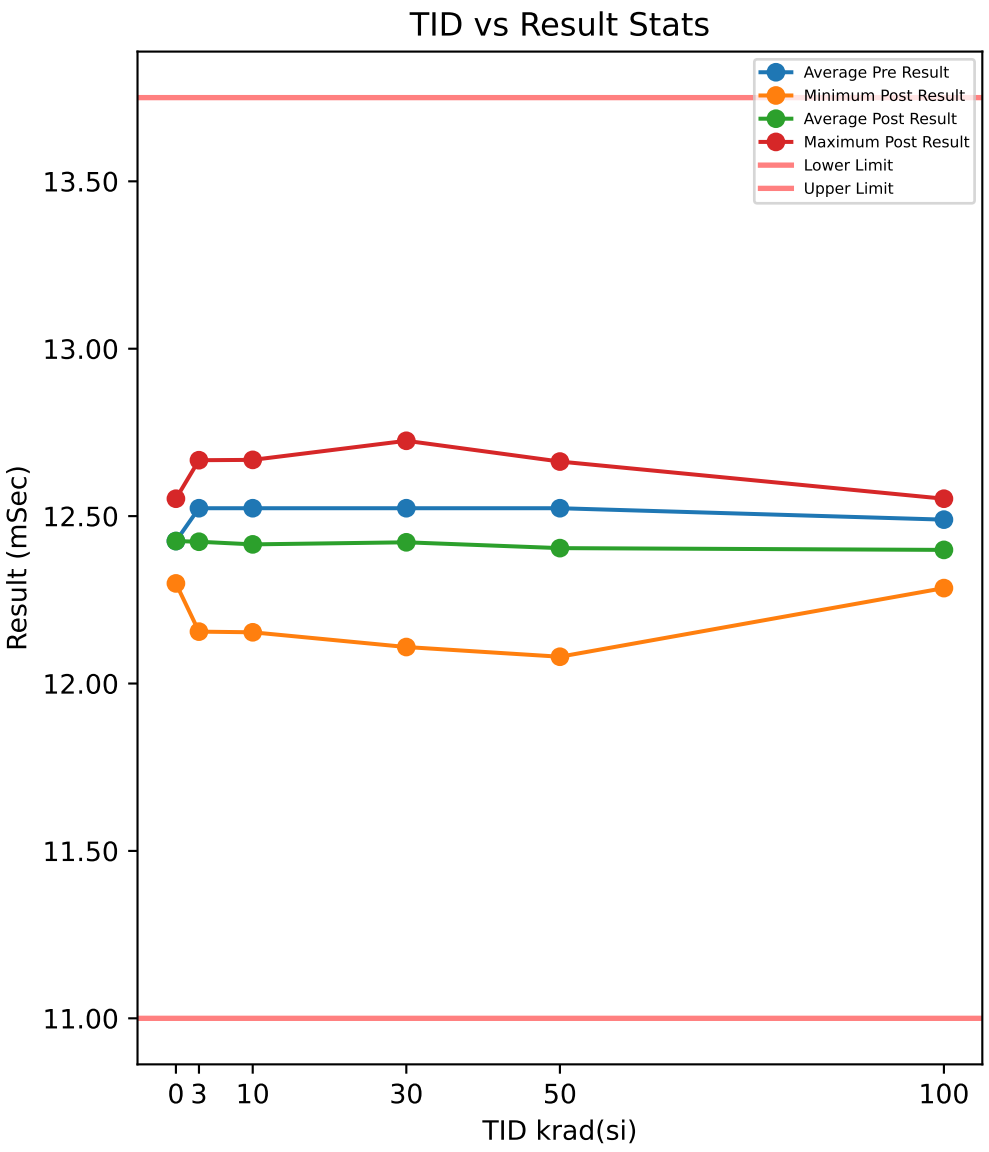

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

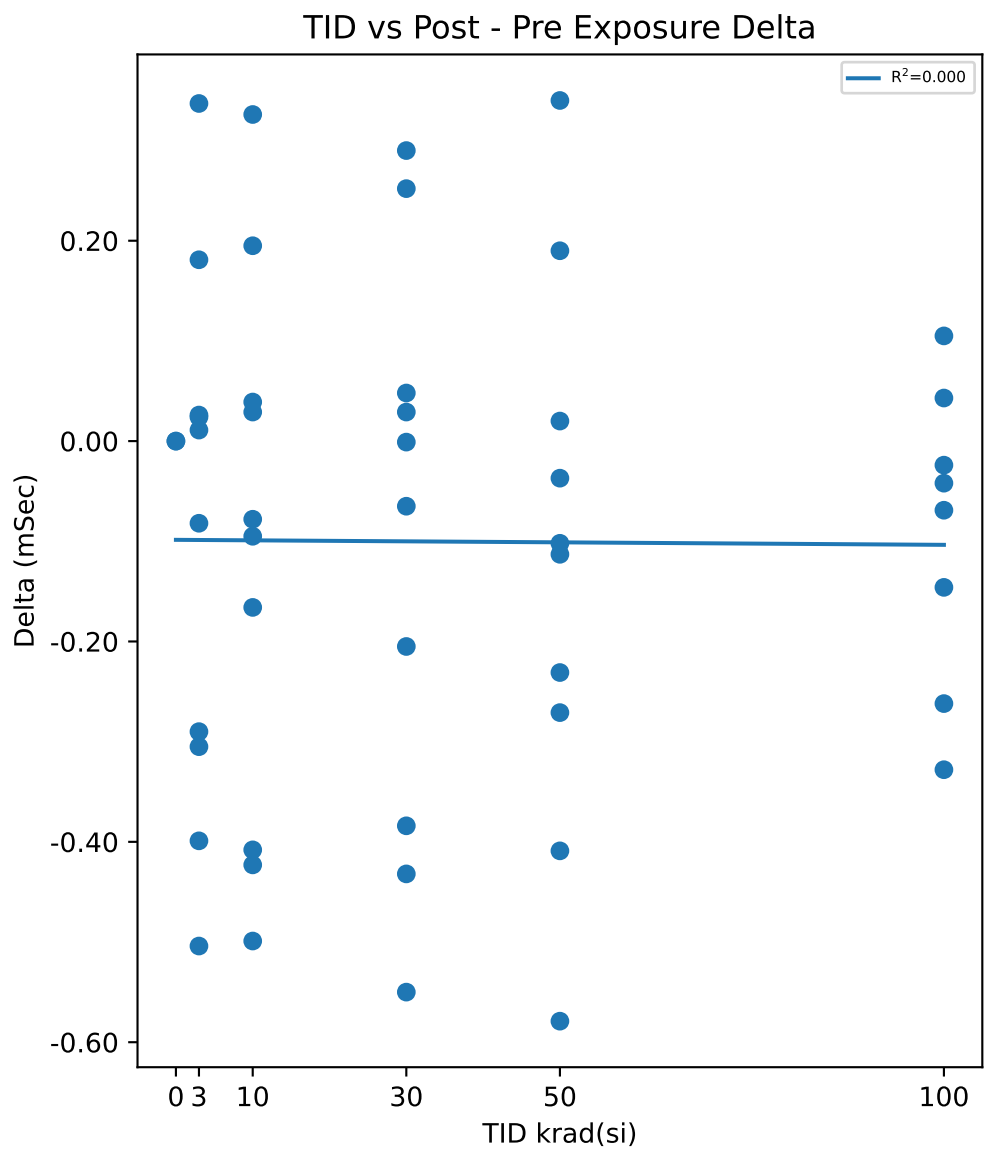
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.553 | 12.553 | 0 |
| 7 | 0 | Correlation | 12.305 | 12.305 | 0 |
| 16 | 3 | LDR-Biased | 12.701 | 12.287 | -0.414 |
| 18 | 3 | LDR-Biased | 12.649 | 12.671 | 0.022 |
| 19 | 3 | LDR-Biased | 12.654 | 12.491 | -0.163 |
| 20 | 3 | LDR-Biased | 12.58 | 12.277 | -0.303 |
| 21 | 3 | LDR-Biased | 12.246 | 12.273 | 0.027 |
| 22 | 3 | LDR-Unbiased | 12.286 | 12.626 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.672 | 12.594 | -0.078 |
| 25 | 3 | LDR-Unbiased | 12.652 | 12.157 | -0.495 |
| 26 | 3 | LDR-Unbiased | 12.357 | 12.37 | 0.013 |
| 27 | 3 | LDR-Unbiased | 12.476 | 12.672 | 0.196 |
| 46 | 10 | LDR-Biased | 12.701 | 12.278 | -0.423 |
| 48 | 10 | LDR-Biased | 12.649 | 12.555 | -0.094 |
| 49 | 10 | LDR-Biased | 12.654 | 12.488 | -0.166 |
| 50 | 10 | LDR-Biased | 12.58 | 12.29 | -0.29 |
| 51 | 10 | LDR-Biased | 12.246 | 12.259 | 0.013 |
| 52 | 10 | LDR-Unbiased | 12.286 | 12.616 | 0.33 |
| 53 | 10 | LDR-Unbiased | 12.672 | 12.603 | -0.069 |
| 55 | 10 | LDR-Unbiased | 12.652 | 12.165 | -0.487 |
| 56 | 10 | LDR-Unbiased | 12.357 | 12.383 | 0.026 |
| 57 | 10 | LDR-Unbiased | 12.476 | 12.64 | 0.164 |
| 76 | 30 | LDR-Biased | 12.701 | 12.177 | -0.524 |
| 78 | 30 | LDR-Biased | 12.649 | 12.679 | 0.03 |
| 79 | 30 | LDR-Biased | 12.654 | 12.465 | -0.189 |
| 80 | 30 | LDR-Biased | 12.58 | 12.279 | -0.301 |
| 81 | 30 | LDR-Biased | 12.246 | 12.383 | 0.137 |
| 82 | 30 | LDR-Unbiased | 12.286 | 12.61 | 0.324 |
| 83 | 30 | LDR-Unbiased | 12.672 | 12.632 | -0.04 |
| 84 | 30 | LDR-Unbiased | 12.476 | 12.733 | 0.257 |
| 85 | 30 | LDR-Unbiased | 12.652 | 12.001 | -0.651 |
| 86 | 30 | LDR-Unbiased | 12.357 | 12.374 | 0.017 |
| 87 | 100 | LDR-Biased | 12.384 | 12.362 | -0.022 |
| 88 | 100 | LDR-Biased | 12.699 | 12.556 | -0.143 |
| 90 | 100 | LDR-Biased | 12.651 | 12.556 | -0.095 |
| 91 | 100 | LDR-Unbiased | 12.281 | 12.392 | 0.111 |
| 93 | 100 | LDR-Unbiased | 12.247 | 12.301 | 0.054 |
| 94 | 100 | LDR-Unbiased | 12.698 | 12.37 | -0.328 |
| 95 | 100 | LDR-Unbiased | 12.67 | 12.41 | -0.26 |
| 96 | 100 | LDR-Unbiased | 12.48 | 12.275 | -0.205 |
| 106 | 50 | LDR-Biased | 12.701 | 12.301 | -0.4 |
| 108 | 50 | LDR-Biased | 12.649 | 12.636 | -0.013 |
| 109 | 50 | LDR-Biased | 12.654 | 12.423 | -0.231 |
| 110 | 50 | LDR-Biased | 12.58 | 12.18 | -0.4 |
| 111 | 50 | LDR-Biased | 12.246 | 12.399 | 0.153 |
| 112 | 50 | LDR-Unbiased | 12.286 | 12.63 | 0.344 |
| 113 | 50 | LDR-Unbiased | 12.672 | 12.561 | -0.111 |
| 115 | 50 | LDR-Unbiased | 12.652 | 12.085 | -0.567 |
| 116 | 50 | LDR-Unbiased | 12.357 | 12.382 | 0.025 |
| 117 | 50 | LDR-Unbiased | 12.476 | 12.687 | 0.211 |

## Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.305 | 12.429 | 12.553 | 0.17536 | 12.305 | 12.429 | 12.553 | 0.17536 | 0 | 0 | 0 | 0 |
| 3 | 12.246 | 12.527 | 12.701 | 0.17298 | 12.157 | 12.442 | 12.672 | 0.19175 | -0.495 | -0.0855 | 0.34 | 0.26314 |
| 10 | 12.246 | 12.527 | 12.701 | 0.17298 | 12.165 | 12.428 | 12.64 | 0.17383 | -0.487 | -0.0996 | 0.33 | 0.25359 |
| 30 | 12.246 | 12.527 | 12.701 | 0.17298 | 12.001 | 12.433 | 12.733 | 0.23672 | -0.651 | -0.094 | 0.324 | 0.32127 |
| 50 | 12.246 | 12.527 | 12.701 | 0.17298 | 12.085 | 12.428 | 12.687 | 0.20196 | -0.567 | -0.0989 | 0.344 | 0.29747 |
| 100 | 12.247 | 12.514 | 12.699 | 0.1908 | 12.275 | 12.403 | 12.556 | 0.10457 | -0.328 | -0.111 | 0.111 | 0.15299 |

# Device Test: 5.95 tdly_Res619K_PWRGD_SU/PWRGD/1.6/14/619K/0/0/@DLY_TMR_500KOHM



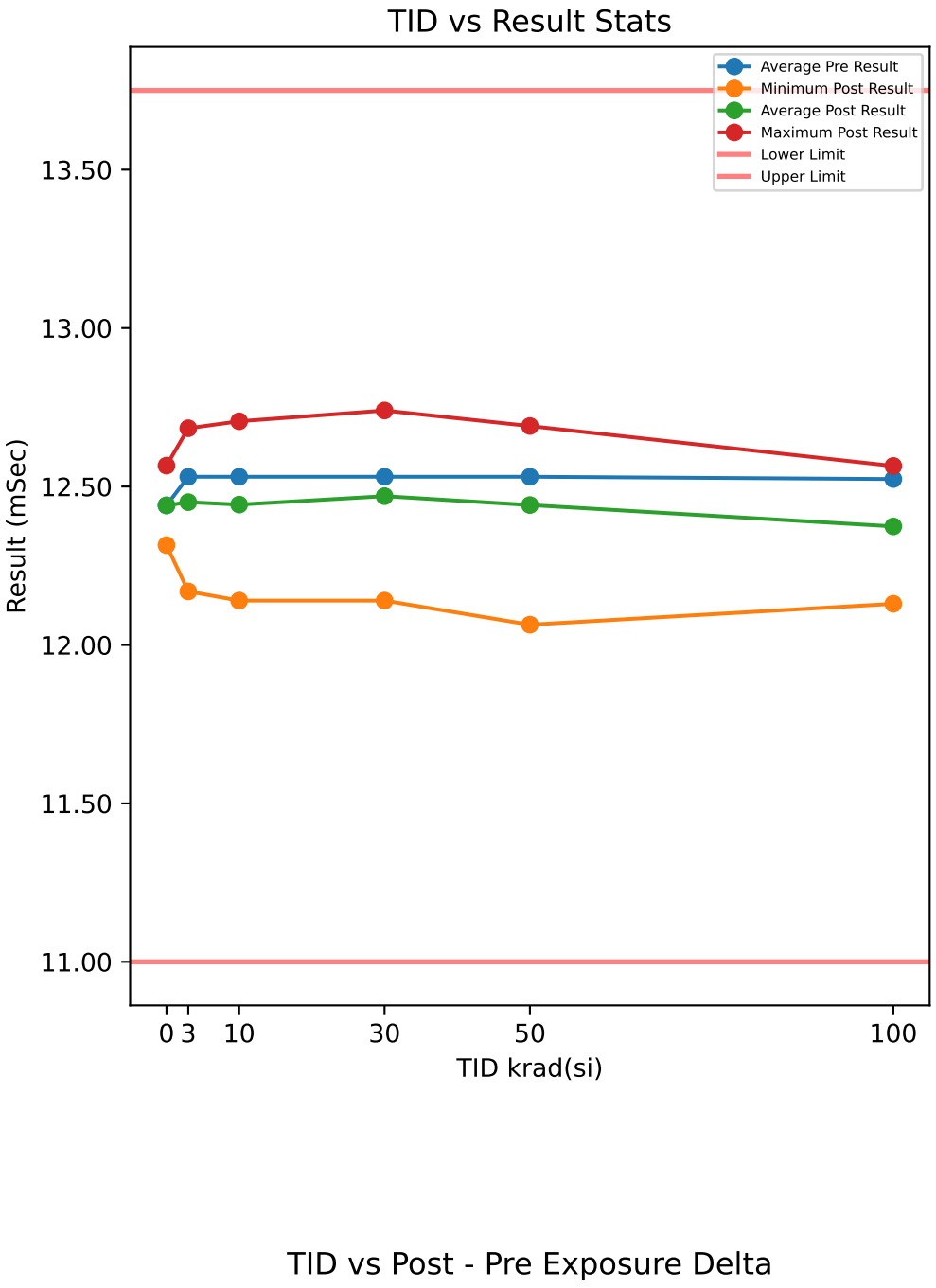

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

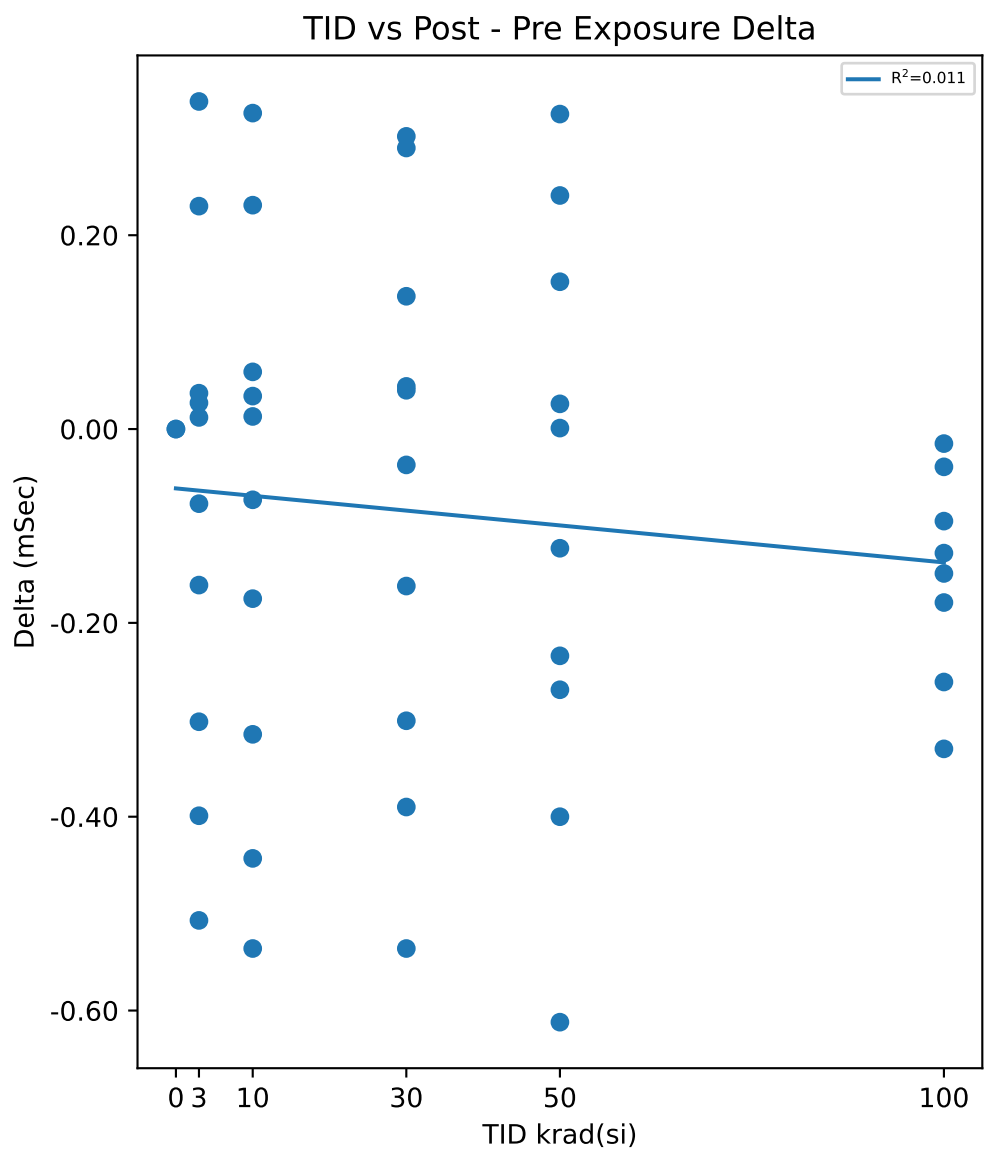
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.552 | 12.552 | 0 |
| 7 | 0 | Correlation | 12.299 | 12.299 | 0 |
| 16 | 3 | LDR-Biased | 12.691 | 12.292 | -0.399 |
| 18 | 3 | LDR-Biased | 12.643 | 12.667 | 0.024 |
| 19 | 3 | LDR-Biased | 12.648 | 12.358 | -0.29 |
| 20 | 3 | LDR-Biased | 12.576 | 12.271 | -0.305 |
| 21 | 3 | LDR-Biased | 12.242 | 12.268 | 0.026 |
| 22 | 3 | LDR-Unbiased | 12.284 | 12.621 | 0.337 |
| 23 | 3 | LDR-Unbiased | 12.668 | 12.586 | -0.082 |
| 25 | 3 | LDR-Unbiased | 12.659 | 12.155 | -0.504 |
| 26 | 3 | LDR-Unbiased | 12.352 | 12.363 | 0.011 |
| 27 | 3 | LDR-Unbiased | 12.473 | 12.654 | 0.181 |
| 46 | 10 | LDR-Biased | 12.691 | 12.283 | -0.408 |
| 48 | 10 | LDR-Biased | 12.643 | 12.548 | -0.095 |
| 49 | 10 | LDR-Biased | 12.648 | 12.482 | -0.166 |
| 50 | 10 | LDR-Biased | 12.576 | 12.153 | -0.423 |
| 51 | 10 | LDR-Biased | 12.242 | 12.281 | 0.039 |
| 52 | 10 | LDR-Unbiased | 12.284 | 12.61 | 0.326 |
| 53 | 10 | LDR-Unbiased | 12.668 | 12.59 | -0.078 |
| 55 | 10 | LDR-Unbiased | 12.659 | 12.16 | -0.499 |
| 56 | 10 | LDR-Unbiased | 12.352 | 12.381 | 0.029 |
| 57 | 10 | LDR-Unbiased | 12.473 | 12.668 | 0.195 |
| 76 | 30 | LDR-Biased | 12.691 | 12.307 | -0.384 |
| 78 | 30 | LDR-Biased | 12.643 | 12.672 | 0.029 |
| 79 | 30 | LDR-Biased | 12.648 | 12.443 | -0.205 |
| 80 | 30 | LDR-Biased | 12.576 | 12.144 | -0.432 |
| 81 | 30 | LDR-Biased | 12.242 | 12.241 | -0.001 |
| 82 | 30 | LDR-Unbiased | 12.284 | 12.574 | 0.29 |
| 83 | 30 | LDR-Unbiased | 12.668 | 12.603 | -0.065 |
| 84 | 30 | LDR-Unbiased | 12.473 | 12.725 | 0.252 |
| 85 | 30 | LDR-Unbiased | 12.659 | 12.109 | -0.55 |
| 86 | 30 | LDR-Unbiased | 12.352 | 12.4 | 0.048 |
| 87 | 100 | LDR-Biased | 12.38 | 12.356 | -0.024 |
| 88 | 100 | LDR-Biased | 12.696 | 12.55 | -0.146 |
| 90 | 100 | LDR-Biased | 12.621 | 12.552 | -0.069 |
| 91 | 100 | LDR-Unbiased | 12.28 | 12.385 | 0.105 |
| 93 | 100 | LDR-Unbiased | 12.242 | 12.285 | 0.043 |
| 94 | 100 | LDR-Unbiased | 12.693 | 12.365 | -0.328 |
| 95 | 100 | LDR-Unbiased | 12.665 | 12.403 | -0.262 |
| 96 | 100 | LDR-Unbiased | 12.339 | 12.297 | -0.042 |
| 106 | 50 | LDR-Biased | 12.691 | 12.282 | -0.409 |
| 108 | 50 | LDR-Biased | 12.643 | 12.606 | -0.037 |
| 109 | 50 | LDR-Biased | 12.648 | 12.417 | -0.231 |
| 110 | 50 | LDR-Biased | 12.576 | 12.305 | -0.271 |
| 111 | 50 | LDR-Biased | 12.242 | 12.262 | 0.02 |
| 112 | 50 | LDR-Unbiased | 12.284 | 12.624 | 0.34 |
| 113 | 50 | LDR-Unbiased | 12.668 | 12.555 | -0.113 |
| 115 | 50 | LDR-Unbiased | 12.659 | 12.08 | -0.579 |
| 116 | 50 | LDR-Unbiased | 12.352 | 12.25 | -0.102 |
| 117 | 50 | LDR-Unbiased | 12.473 | 12.663 | 0.19 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.299 | 12.425 | 12.552 | 0.1789 | 12.299 | 12.425 | 12.552 | 0.1789 | 0 | 0 | 0 | 0 |
| 3 | 12.242 | 12.524 | 12.691 | 0.17269 | 12.155 | 12.424 | 12.667 | 0.18933 | -0.504 | -0.1001 | 0.337 | 0.26762 |
| 10 | 12.242 | 12.524 | 12.691 | 0.17269 | 12.153 | 12.416 | 12.668 | 0.19004 | -0.499 | -0.108 | 0.326 | 0.27225 |
| 30 | 12.242 | 12.524 | 12.691 | 0.17269 | 12.109 | 12.422 | 12.725 | 0.21917 | -0.55 | -0.1018 | 0.29 | 0.28479 |
| 50 | 12.242 | 12.524 | 12.691 | 0.17269 | 12.08 | 12.404 | 12.663 | 0.19799 | -0.579 | -0.1192 | 0.34 | 0.2716 |
| 100 | 12.242 | 12.489 | 12.696 | 0.1971 | 12.285 | 12.399 | 12.552 | 0.102 | -0.328 | -0.090375 | 0.105 | 0.14744 |

# Device Test: 5.96 tdly_Res619K_EN1_SD/EN1/1.6/14/619K/0/0/@DLY_TMR_500KOHM



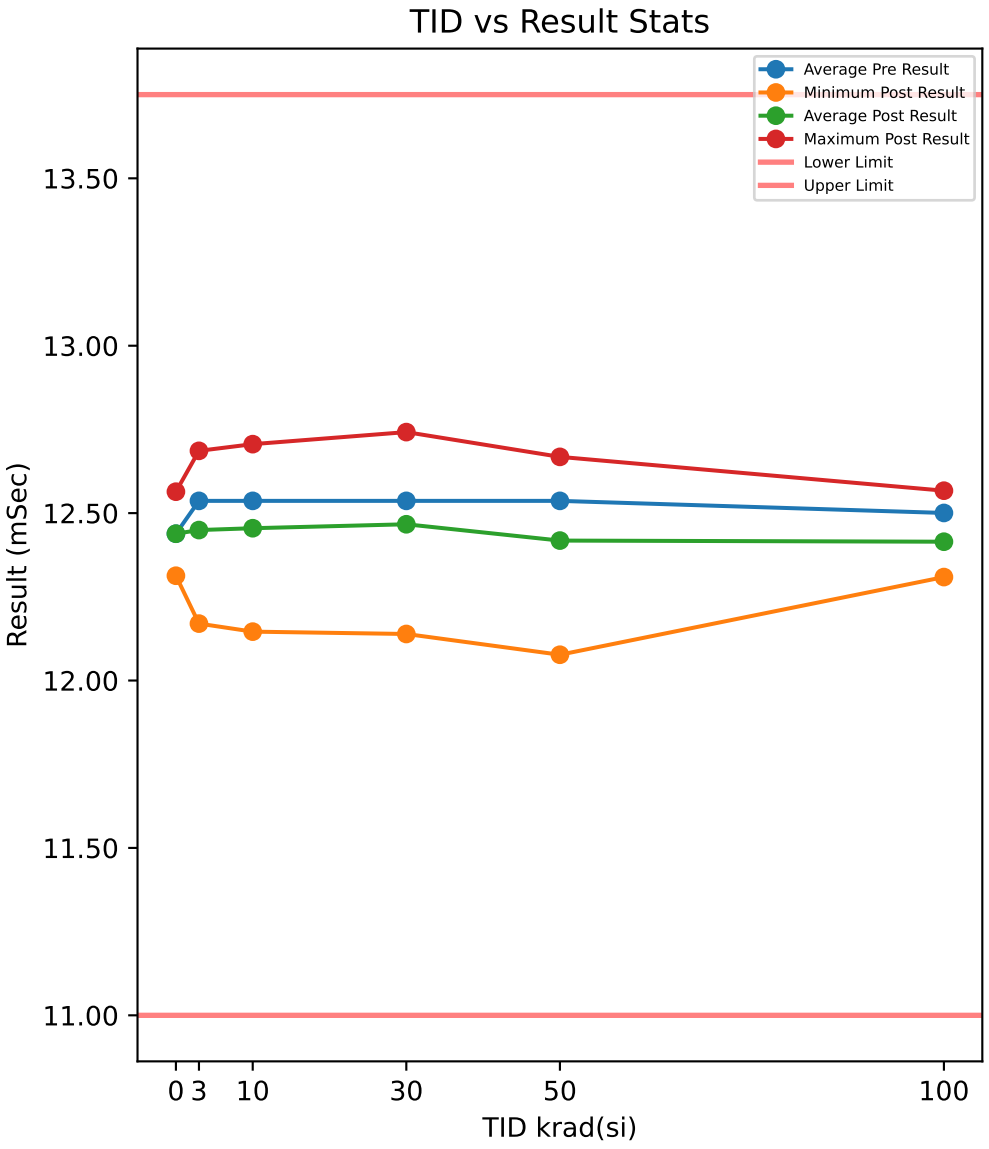

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

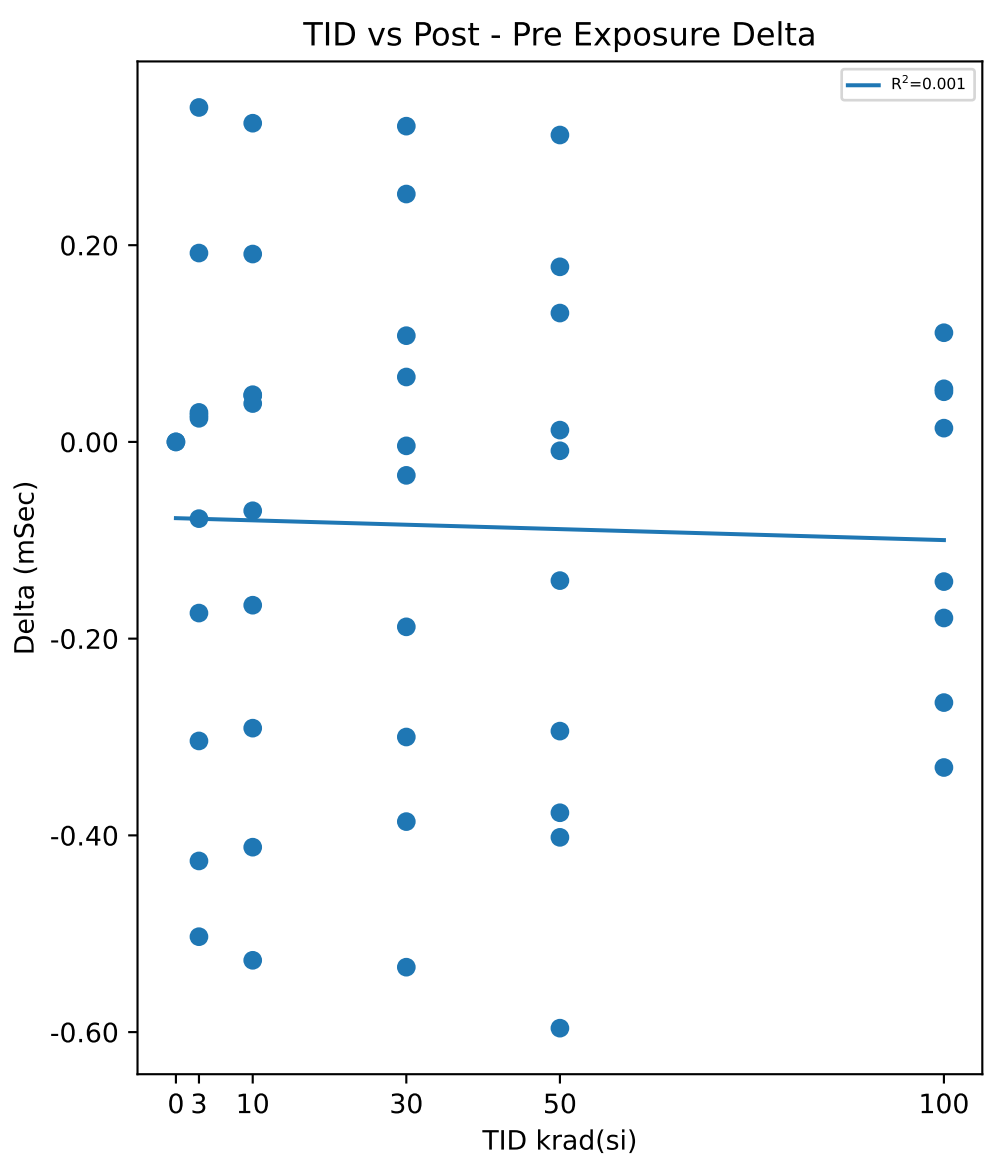
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.566 | 12.566 | 0 |
| 7 | 0 | Correlation | 12.315 | 12.315 | 0 |
| 16 | 3 | LDR-Biased | 12.709 | 12.31 | -0.399 |
| 18 | 3 | LDR-Biased | 12.647 | 12.684 | 0.037 |
| 19 | 3 | LDR-Biased | 12.635 | 12.474 | -0.161 |
| 20 | 3 | LDR-Biased | 12.589 | 12.287 | -0.302 |
| 21 | 3 | LDR-Biased | 12.256 | 12.283 | 0.027 |
| 22 | 3 | LDR-Unbiased | 12.298 | 12.636 | 0.338 |
| 23 | 3 | LDR-Unbiased | 12.683 | 12.606 | -0.077 |
| 25 | 3 | LDR-Unbiased | 12.676 | 12.169 | -0.507 |
| 26 | 3 | LDR-Unbiased | 12.366 | 12.378 | 0.012 |
| 27 | 3 | LDR-Unbiased | 12.45 | 12.68 | 0.23 |
| 46 | 10 | LDR-Biased | 12.709 | 12.266 | -0.443 |
| 48 | 10 | LDR-Biased | 12.647 | 12.706 | 0.059 |
| 49 | 10 | LDR-Biased | 12.635 | 12.46 | -0.175 |
| 50 | 10 | LDR-Biased | 12.589 | 12.274 | -0.315 |
| 51 | 10 | LDR-Biased | 12.256 | 12.29 | 0.034 |
| 52 | 10 | LDR-Unbiased | 12.298 | 12.624 | 0.326 |
| 53 | 10 | LDR-Unbiased | 12.683 | 12.61 | -0.073 |
| 55 | 10 | LDR-Unbiased | 12.676 | 12.14 | -0.536 |
| 56 | 10 | LDR-Unbiased | 12.366 | 12.379 | 0.013 |
| 57 | 10 | LDR-Unbiased | 12.45 | 12.681 | 0.231 |
| 76 | 30 | LDR-Biased | 12.709 | 12.319 | -0.39 |
| 78 | 30 | LDR-Biased | 12.647 | 12.687 | 0.04 |
| 79 | 30 | LDR-Biased | 12.635 | 12.473 | -0.162 |
| 80 | 30 | LDR-Biased | 12.589 | 12.288 | -0.301 |
| 81 | 30 | LDR-Biased | 12.256 | 12.393 | 0.137 |
| 82 | 30 | LDR-Unbiased | 12.298 | 12.6 | 0.302 |
| 83 | 30 | LDR-Unbiased | 12.683 | 12.646 | -0.037 |
| 84 | 30 | LDR-Unbiased | 12.45 | 12.74 | 0.29 |
| 85 | 30 | LDR-Unbiased | 12.676 | 12.14 | -0.536 |
| 86 | 30 | LDR-Unbiased | 12.366 | 12.41 | 0.044 |
| 87 | 100 | LDR-Biased | 12.386 | 12.371 | -0.015 |
| 88 | 100 | LDR-Biased | 12.71 | 12.561 | -0.149 |
| 90 | 100 | LDR-Biased | 12.66 | 12.565 | -0.095 |
| 91 | 100 | LDR-Unbiased | 12.296 | 12.257 | -0.039 |
| 93 | 100 | LDR-Unbiased | 12.258 | 12.13 | -0.128 |
| 94 | 100 | LDR-Unbiased | 12.71 | 12.38 | -0.33 |
| 95 | 100 | LDR-Unbiased | 12.679 | 12.418 | -0.261 |
| 96 | 100 | LDR-Unbiased | 12.49 | 12.311 | -0.179 |
| 106 | 50 | LDR-Biased | 12.709 | 12.309 | -0.4 |
| 108 | 50 | LDR-Biased | 12.647 | 12.648 | 0.001 |
| 109 | 50 | LDR-Biased | 12.635 | 12.401 | -0.234 |
| 110 | 50 | LDR-Biased | 12.589 | 12.32 | -0.269 |
| 111 | 50 | LDR-Biased | 12.256 | 12.408 | 0.152 |
| 112 | 50 | LDR-Unbiased | 12.298 | 12.623 | 0.325 |
| 113 | 50 | LDR-Unbiased | 12.683 | 12.56 | -0.123 |
| 115 | 50 | LDR-Unbiased | 12.676 | 12.064 | -0.612 |
| 116 | 50 | LDR-Unbiased | 12.366 | 12.392 | 0.026 |
| 117 | 50 | LDR-Unbiased | 12.45 | 12.691 | 0.241 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.315 | 12.441 | 12.566 | 0.17748 | 12.315 | 12.441 | 12.566 | 0.17748 | 0 | 0 | 0 | 0 |
| 3 | 12.256 | 12.531 | 12.709 | 0.17229 | 12.169 | 12.451 | 12.684 | 0.19014 | -0.507 | -0.0802 | 0.338 | 0.26758 |
| 10 | 12.256 | 12.531 | 12.709 | 0.17229 | 12.14 | 12.443 | 12.706 | 0.20165 | -0.536 | -0.0879 | 0.326 | 0.28006 |
| 30 | 12.256 | 12.531 | 12.709 | 0.17229 | 12.14 | 12.47 | 12.74 | 0.195 | -0.536 | -0.0613 | 0.302 | 0.28238 |
| 50 | 12.256 | 12.531 | 12.709 | 0.17229 | 12.064 | 12.442 | 12.691 | 0.19204 | -0.612 | -0.0893 | 0.325 | 0.29525 |
| 100 | 12.258 | 12.524 | 12.71 | 0.19073 | 12.13 | 12.374 | 12.565 | 0.14669 | -0.33 | -0.1495 | -0.015 | 0.10665 |

# Device Test: 5.97 tdly_Res619K_EN2_SD/EN2/1.6/14/619K/0/0/@DLY_TMR_500KOHM



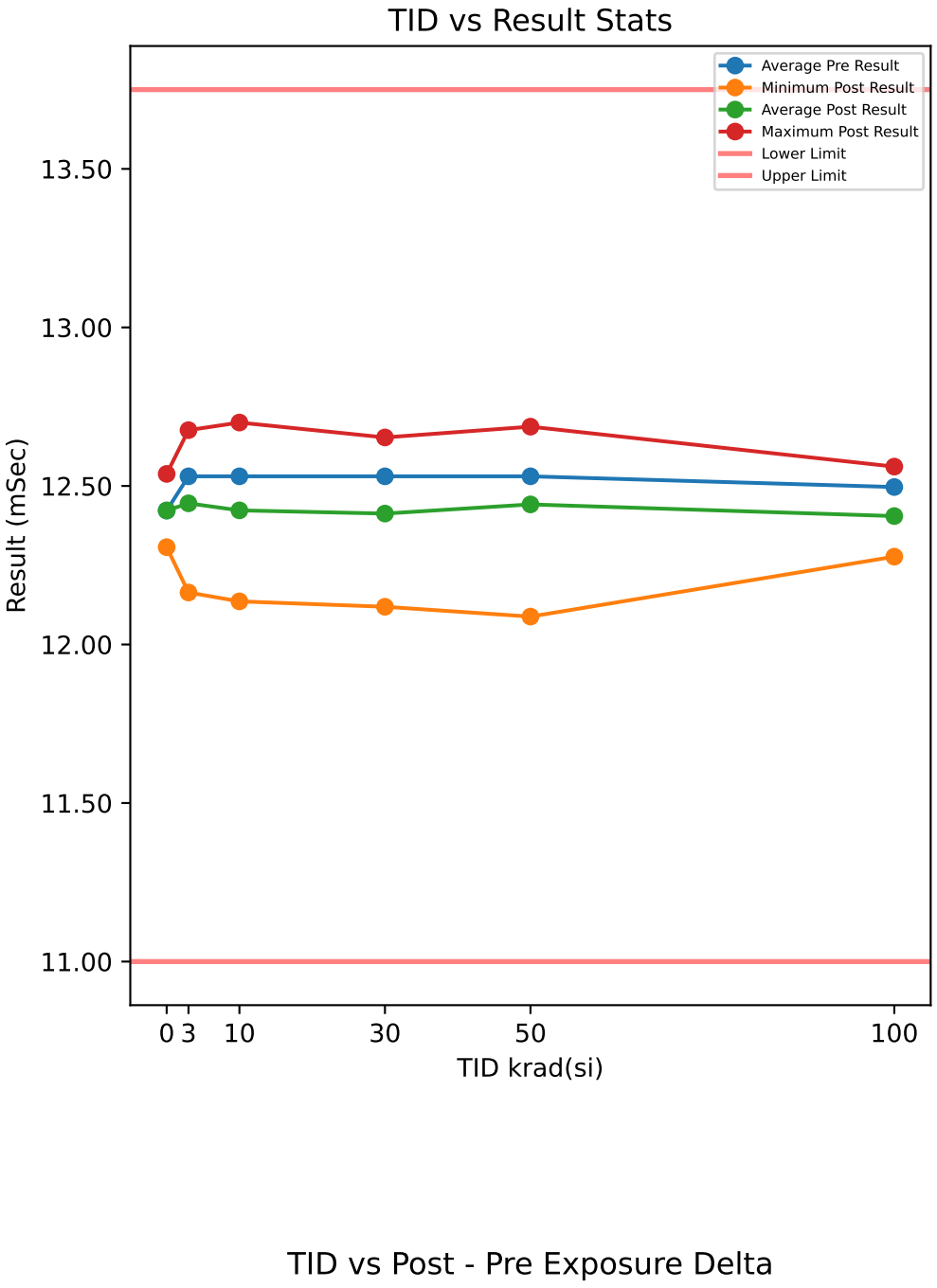

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

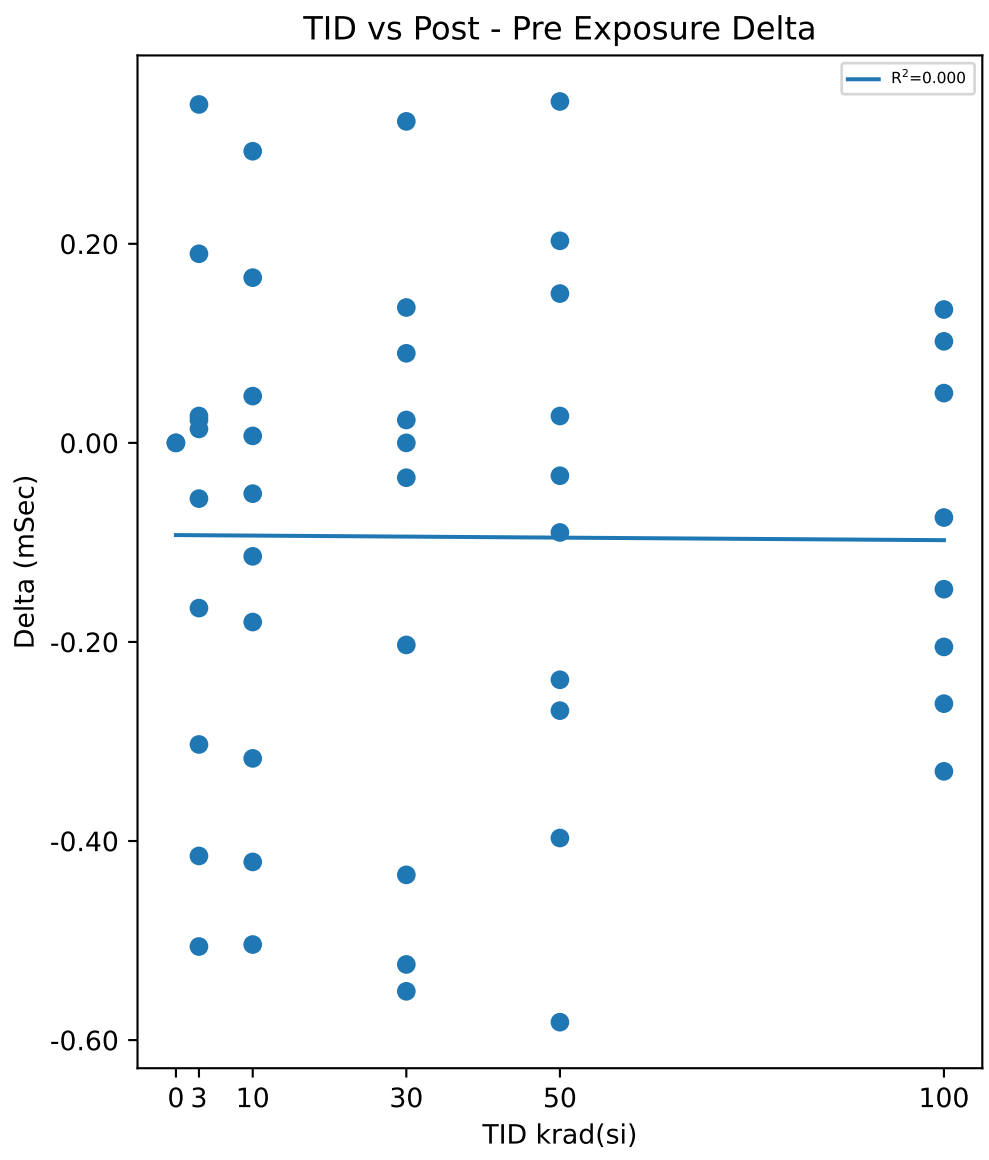
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.564 | 12.564 | 0 |
| 7 | 0 | Correlation | 12.313 | 12.313 | 0 |
| 16 | 3 | LDR-Biased | 12.708 | 12.282 | -0.426 |
| 18 | 3 | LDR-Biased | 12.659 | 12.686 | 0.027 |
| 19 | 3 | LDR-Biased | 12.662 | 12.488 | -0.174 |
| 20 | 3 | LDR-Biased | 12.589 | 12.285 | -0.304 |
| 21 | 3 | LDR-Biased | 12.257 | 12.281 | 0.024 |
| 22 | 3 | LDR-Unbiased | 12.297 | 12.637 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.683 | 12.605 | -0.078 |
| 25 | 3 | LDR-Unbiased | 12.673 | 12.17 | -0.503 |
| 26 | 3 | LDR-Unbiased | 12.348 | 12.378 | 0.03 |
| 27 | 3 | LDR-Unbiased | 12.49 | 12.682 | 0.192 |
| 46 | 10 | LDR-Biased | 12.708 | 12.296 | -0.412 |
| 48 | 10 | LDR-Biased | 12.659 | 12.706 | 0.047 |
| 49 | 10 | LDR-Biased | 12.662 | 12.496 | -0.166 |
| 50 | 10 | LDR-Biased | 12.589 | 12.298 | -0.291 |
| 51 | 10 | LDR-Biased | 12.257 | 12.296 | 0.039 |
| 52 | 10 | LDR-Unbiased | 12.297 | 12.621 | 0.324 |
| 53 | 10 | LDR-Unbiased | 12.683 | 12.613 | -0.07 |
| 55 | 10 | LDR-Unbiased | 12.673 | 12.146 | -0.527 |
| 56 | 10 | LDR-Unbiased | 12.348 | 12.396 | 0.048 |
| 57 | 10 | LDR-Unbiased | 12.49 | 12.681 | 0.191 |
| 76 | 30 | LDR-Biased | 12.708 | 12.322 | -0.386 |
| 78 | 30 | LDR-Biased | 12.659 | 12.655 | -0.004 |
| 79 | 30 | LDR-Biased | 12.662 | 12.474 | -0.188 |
| 80 | 30 | LDR-Biased | 12.589 | 12.289 | -0.3 |
| 81 | 30 | LDR-Biased | 12.257 | 12.365 | 0.108 |
| 82 | 30 | LDR-Unbiased | 12.297 | 12.618 | 0.321 |
| 83 | 30 | LDR-Unbiased | 12.683 | 12.649 | -0.034 |
| 84 | 30 | LDR-Unbiased | 12.49 | 12.742 | 0.252 |
| 85 | 30 | LDR-Unbiased | 12.673 | 12.139 | -0.534 |
| 86 | 30 | LDR-Unbiased | 12.348 | 12.414 | 0.066 |
| 87 | 100 | LDR-Biased | 12.357 | 12.371 | 0.014 |
| 88 | 100 | LDR-Biased | 12.706 | 12.564 | -0.142 |
| 90 | 100 | LDR-Biased | 12.513 | 12.567 | 0.054 |
| 91 | 100 | LDR-Unbiased | 12.29 | 12.401 | 0.111 |
| 93 | 100 | LDR-Unbiased | 12.258 | 12.309 | 0.051 |
| 94 | 100 | LDR-Unbiased | 12.71 | 12.379 | -0.331 |
| 95 | 100 | LDR-Unbiased | 12.681 | 12.416 | -0.265 |
| 96 | 100 | LDR-Unbiased | 12.489 | 12.31 | -0.179 |
| 106 | 50 | LDR-Biased | 12.708 | 12.306 | -0.402 |
| 108 | 50 | LDR-Biased | 12.659 | 12.65 | -0.009 |
| 109 | 50 | LDR-Biased | 12.662 | 12.285 | -0.377 |
| 110 | 50 | LDR-Biased | 12.589 | 12.295 | -0.294 |
| 111 | 50 | LDR-Biased | 12.257 | 12.388 | 0.131 |
| 112 | 50 | LDR-Unbiased | 12.297 | 12.609 | 0.312 |
| 113 | 50 | LDR-Unbiased | 12.683 | 12.542 | -0.141 |
| 115 | 50 | LDR-Unbiased | 12.673 | 12.077 | -0.596 |
| 116 | 50 | LDR-Unbiased | 12.348 | 12.36 | 0.012 |
| 117 | 50 | LDR-Unbiased | 12.49 | 12.668 | 0.178 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.313 | 12.439 | 12.564 | 0.17748 | 12.313 | 12.439 | 12.564 | 0.17748 | 0 | 0 | 0 | 0 |
| 3 | 12.257 | 12.537 | 12.708 | 0.17518 | 12.17 | 12.449 | 12.686 | 0.19366 | -0.503 | -0.0872 | 0.34 | 0.26706 |
| 10 | 12.257 | 12.537 | 12.708 | 0.17518 | 12.146 | 12.455 | 12.706 | 0.19506 | -0.527 | -0.0817 | 0.324 | 0.26778 |
| 30 | 12.257 | 12.537 | 12.708 | 0.17518 | 12.139 | 12.467 | 12.742 | 0.19449 | -0.534 | -0.0699 | 0.321 | 0.27776 |
| 50 | 12.257 | 12.537 | 12.708 | 0.17518 | 12.077 | 12.418 | 12.668 | 0.19267 | -0.596 | -0.1186 | 0.312 | 0.29269 |
| 100 | 12.258 | 12.5 | 12.71 | 0.1862 | 12.309 | 12.415 | 12.567 | 0.10071 | -0.331 | -0.085875 | 0.111 | 0.1652 |

# Device Test: 5.98 tdly_Res619K_EN3_SD/EN3/1.6/14/619K/0/0/@DLY_TMR_500KOHM



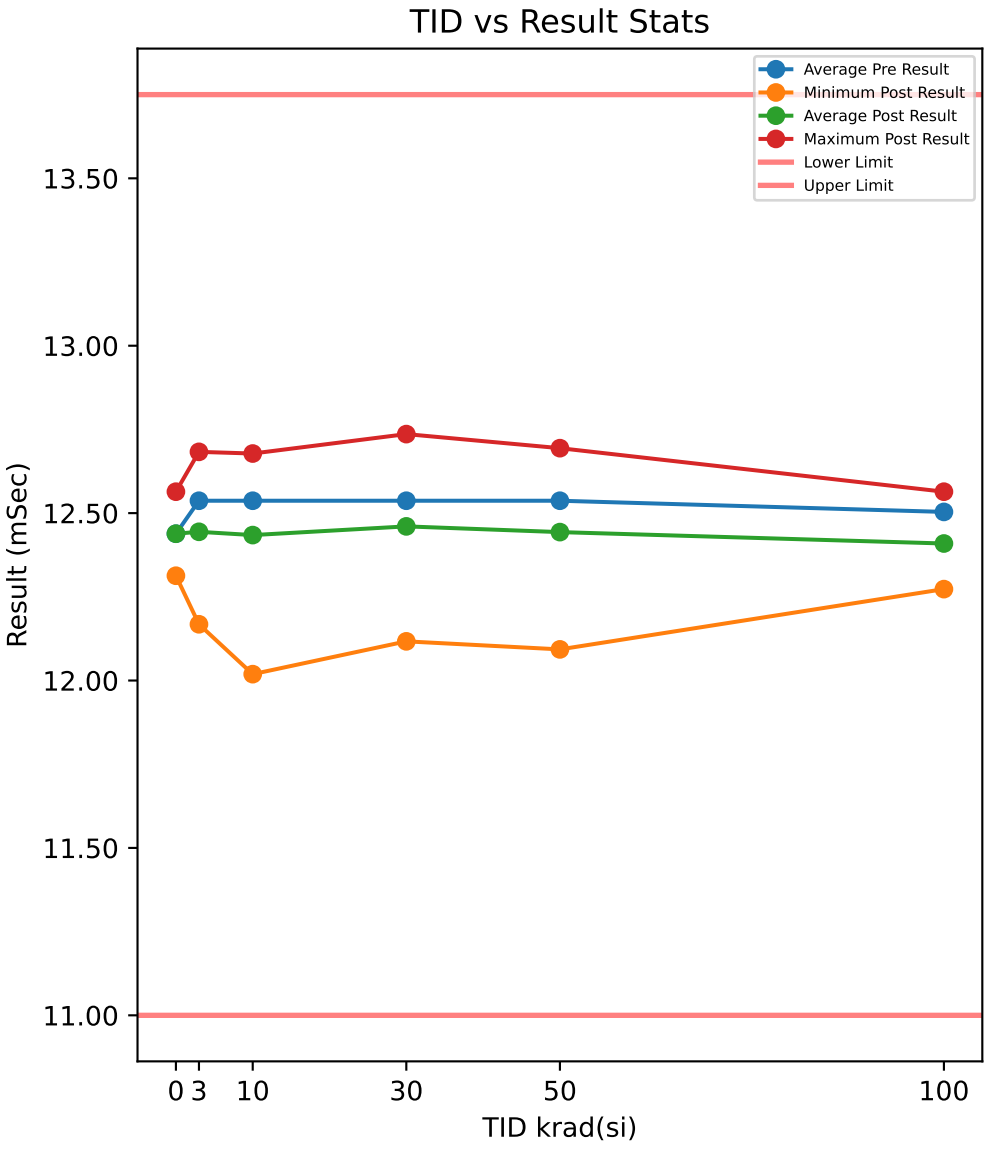

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

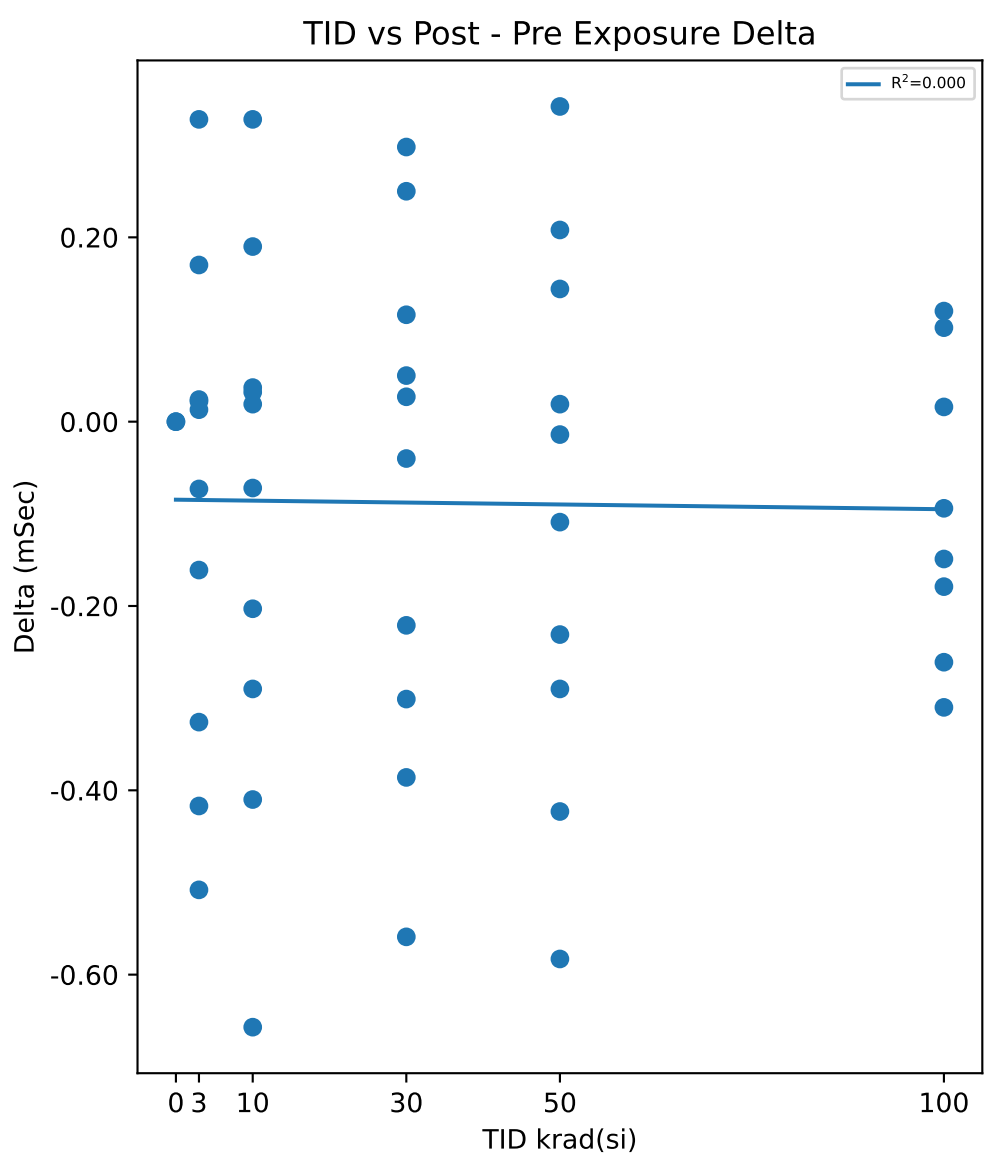
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.538 | 12.538 | 0 |
| 7 | 0 | Correlation | 12.307 | 12.307 | 0 |
| 16 | 3 | LDR-Biased | 12.703 | 12.288 | -0.415 |
| 18 | 3 | LDR-Biased | 12.653 | 12.676 | 0.023 |
| 19 | 3 | LDR-Biased | 12.656 | 12.49 | -0.166 |
| 20 | 3 | LDR-Biased | 12.584 | 12.281 | -0.303 |
| 21 | 3 | LDR-Biased | 12.25 | 12.277 | 0.027 |
| 22 | 3 | LDR-Unbiased | 12.29 | 12.63 | 0.34 |
| 23 | 3 | LDR-Unbiased | 12.655 | 12.599 | -0.056 |
| 25 | 3 | LDR-Unbiased | 12.67 | 12.164 | -0.506 |
| 26 | 3 | LDR-Unbiased | 12.359 | 12.373 | 0.014 |
| 27 | 3 | LDR-Unbiased | 12.484 | 12.674 | 0.19 |
| 46 | 10 | LDR-Biased | 12.703 | 12.282 | -0.421 |
| 48 | 10 | LDR-Biased | 12.653 | 12.7 | 0.047 |
| 49 | 10 | LDR-Biased | 12.656 | 12.476 | -0.18 |
| 50 | 10 | LDR-Biased | 12.584 | 12.267 | -0.317 |
| 51 | 10 | LDR-Biased | 12.25 | 12.136 | -0.114 |
| 52 | 10 | LDR-Unbiased | 12.29 | 12.583 | 0.293 |
| 53 | 10 | LDR-Unbiased | 12.655 | 12.604 | -0.051 |
| 55 | 10 | LDR-Unbiased | 12.67 | 12.166 | -0.504 |
| 56 | 10 | LDR-Unbiased | 12.359 | 12.366 | 0.007 |
| 57 | 10 | LDR-Unbiased | 12.484 | 12.65 | 0.166 |
| 76 | 30 | LDR-Biased | 12.703 | 12.179 | -0.524 |
| 78 | 30 | LDR-Biased | 12.653 | 12.653 | 0 |
| 79 | 30 | LDR-Biased | 12.656 | 12.453 | -0.203 |
| 80 | 30 | LDR-Biased | 12.584 | 12.15 | -0.434 |
| 81 | 30 | LDR-Biased | 12.25 | 12.386 | 0.136 |
| 82 | 30 | LDR-Unbiased | 12.29 | 12.613 | 0.323 |
| 83 | 30 | LDR-Unbiased | 12.655 | 12.62 | -0.035 |
| 84 | 30 | LDR-Unbiased | 12.484 | 12.574 | 0.09 |
| 85 | 30 | LDR-Unbiased | 12.67 | 12.119 | -0.551 |
| 86 | 30 | LDR-Unbiased | 12.359 | 12.382 | 0.023 |
| 87 | 100 | LDR-Biased | 12.23 | 12.364 | 0.134 |
| 88 | 100 | LDR-Biased | 12.704 | 12.557 | -0.147 |
| 90 | 100 | LDR-Biased | 12.636 | 12.561 | -0.075 |
| 91 | 100 | LDR-Unbiased | 12.291 | 12.393 | 0.102 |
| 93 | 100 | LDR-Unbiased | 12.252 | 12.302 | 0.05 |
| 94 | 100 | LDR-Unbiased | 12.705 | 12.375 | -0.33 |
| 95 | 100 | LDR-Unbiased | 12.673 | 12.411 | -0.262 |
| 96 | 100 | LDR-Unbiased | 12.482 | 12.277 | -0.205 |
| 106 | 50 | LDR-Biased | 12.703 | 12.306 | -0.397 |
| 108 | 50 | LDR-Biased | 12.653 | 12.62 | -0.033 |
| 109 | 50 | LDR-Biased | 12.656 | 12.418 | -0.238 |
| 110 | 50 | LDR-Biased | 12.584 | 12.315 | -0.269 |
| 111 | 50 | LDR-Biased | 12.25 | 12.4 | 0.15 |
| 112 | 50 | LDR-Unbiased | 12.29 | 12.633 | 0.343 |
| 113 | 50 | LDR-Unbiased | 12.655 | 12.565 | -0.09 |
| 115 | 50 | LDR-Unbiased | 12.67 | 12.088 | -0.582 |
| 116 | 50 | LDR-Unbiased | 12.359 | 12.386 | 0.027 |
| 117 | 50 | LDR-Unbiased | 12.484 | 12.687 | 0.203 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.307 | 12.422 | 12.538 | 0.16334 | 12.307 | 12.422 | 12.538 | 0.16334 | 0 | 0 | 0 | 0 |
| 3 | 12.25 | 12.53 | 12.703 | 0.17206 | 12.164 | 12.445 | 12.676 | 0.19139 | -0.506 | -0.0852 | 0.34 | 0.26485 |
| 10 | 12.25 | 12.53 | 12.703 | 0.17206 | 12.136 | 12.423 | 12.7 | 0.20691 | -0.504 | -0.1074 | 0.293 | 0.25387 |
| 30 | 12.25 | 12.53 | 12.703 | 0.17206 | 12.119 | 12.413 | 12.653 | 0.20549 | -0.551 | -0.1175 | 0.323 | 0.29858 |
| 50 | 12.25 | 12.53 | 12.703 | 0.17206 | 12.088 | 12.442 | 12.687 | 0.18521 | -0.582 | -0.0886 | 0.343 | 0.28638 |
| 100 | 12.23 | 12.497 | 12.705 | 0.21057 | 12.277 | 12.405 | 12.561 | 0.10501 | -0.33 | -0.091625 | 0.134 | 0.17341 |

# Device Test: 5.99 tdly_Res619K_EN4_SD/EN4/1.6/14/619K/0/0/@DLY_TMR_500KOHM



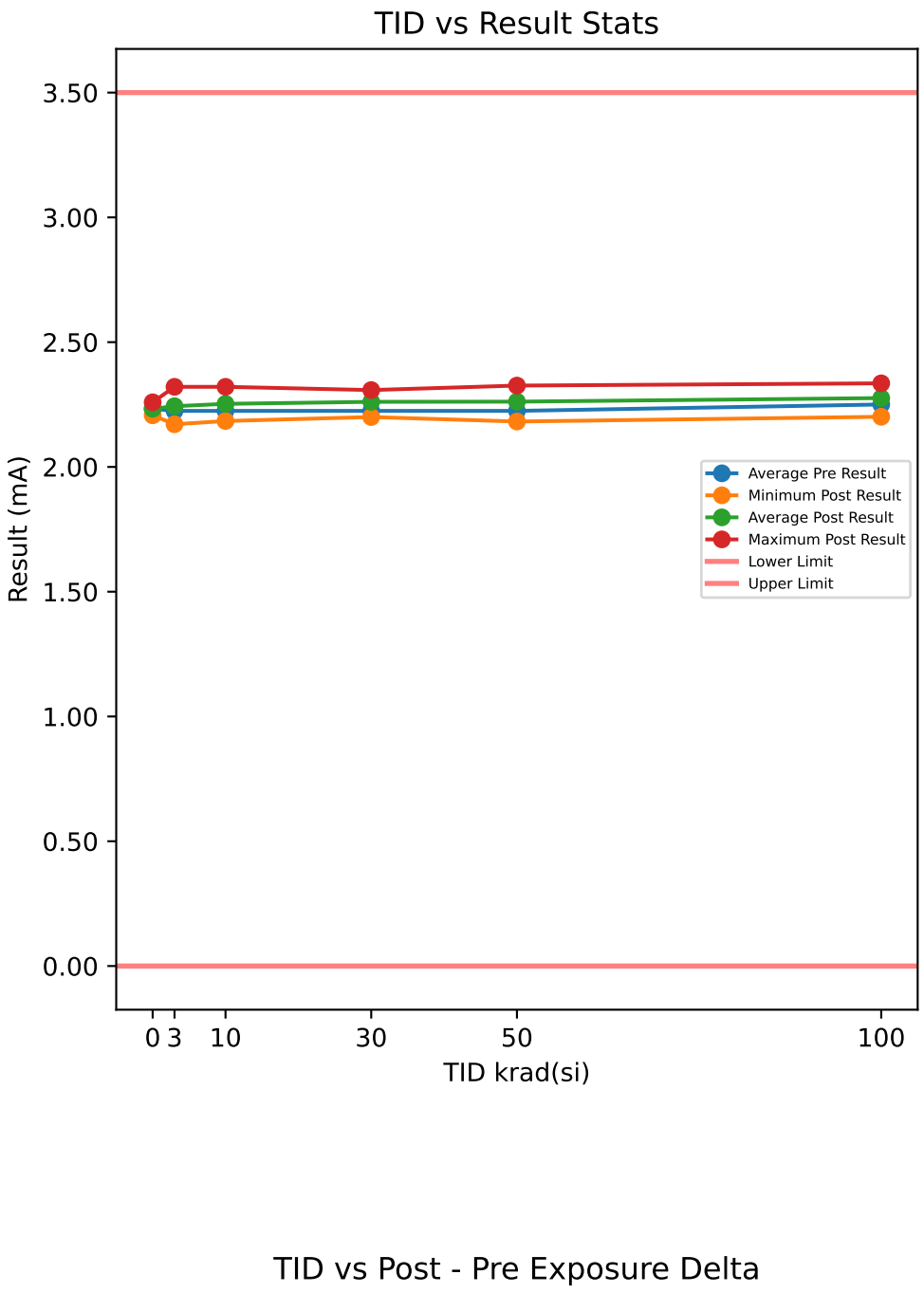

Test Results (Lower Limit = 11.0, Upper Limit = 13.75 (mSec))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.564 | 12.564 | 0 |
| 7 | 0 | Correlation | 12.313 | 12.313 | 0 |
| 16 | 3 | LDR-Biased | 12.706 | 12.289 | -0.417 |
| 18 | 3 | LDR-Biased | 12.659 | 12.683 | 0.024 |
| 19 | 3 | LDR-Biased | 12.662 | 12.501 | -0.161 |
| 20 | 3 | LDR-Biased | 12.588 | 12.262 | -0.326 |
| 21 | 3 | LDR-Biased | 12.256 | 12.278 | 0.022 |
| 22 | 3 | LDR-Unbiased | 12.296 | 12.624 | 0.328 |
| 23 | 3 | LDR-Unbiased | 12.678 | 12.605 | -0.073 |
| 25 | 3 | LDR-Unbiased | 12.676 | 12.168 | -0.508 |
| 26 | 3 | LDR-Unbiased | 12.363 | 12.376 | 0.013 |
| 27 | 3 | LDR-Unbiased | 12.486 | 12.656 | 0.17 |
| 46 | 10 | LDR-Biased | 12.706 | 12.296 | -0.41 |
| 48 | 10 | LDR-Biased | 12.659 | 12.678 | 0.019 |
| 49 | 10 | LDR-Biased | 12.662 | 12.459 | -0.203 |
| 50 | 10 | LDR-Biased | 12.588 | 12.298 | -0.29 |
| 51 | 10 | LDR-Biased | 12.256 | 12.293 | 0.037 |
| 52 | 10 | LDR-Unbiased | 12.296 | 12.624 | 0.328 |
| 53 | 10 | LDR-Unbiased | 12.678 | 12.606 | -0.072 |
| 55 | 10 | LDR-Unbiased | 12.676 | 12.019 | -0.657 |
| 56 | 10 | LDR-Unbiased | 12.363 | 12.395 | 0.032 |
| 57 | 10 | LDR-Unbiased | 12.486 | 12.676 | 0.19 |
| 76 | 30 | LDR-Biased | 12.706 | 12.32 | -0.386 |
| 78 | 30 | LDR-Biased | 12.659 | 12.686 | 0.027 |
| 79 | 30 | LDR-Biased | 12.662 | 12.441 | -0.221 |
| 80 | 30 | LDR-Biased | 12.588 | 12.287 | -0.301 |
| 81 | 30 | LDR-Biased | 12.256 | 12.372 | 0.116 |
| 82 | 30 | LDR-Unbiased | 12.296 | 12.594 | 0.298 |
| 83 | 30 | LDR-Unbiased | 12.678 | 12.638 | -0.04 |
| 84 | 30 | LDR-Unbiased | 12.486 | 12.736 | 0.25 |
| 85 | 30 | LDR-Unbiased | 12.676 | 12.117 | -0.559 |
| 86 | 30 | LDR-Unbiased | 12.363 | 12.413 | 0.05 |
| 87 | 100 | LDR-Biased | 12.252 | 12.372 | 0.12 |
| 88 | 100 | LDR-Biased | 12.711 | 12.562 | -0.149 |
| 90 | 100 | LDR-Biased | 12.658 | 12.564 | -0.094 |
| 91 | 100 | LDR-Unbiased | 12.297 | 12.399 | 0.102 |
| 93 | 100 | LDR-Unbiased | 12.257 | 12.273 | 0.016 |
| 94 | 100 | LDR-Unbiased | 12.688 | 12.378 | -0.31 |
| 95 | 100 | LDR-Unbiased | 12.678 | 12.417 | -0.261 |
| 96 | 100 | LDR-Unbiased | 12.488 | 12.309 | -0.179 |
| 106 | 50 | LDR-Biased | 12.706 | 12.283 | -0.423 |
| 108 | 50 | LDR-Biased | 12.659 | 12.645 | -0.014 |
| 109 | 50 | LDR-Biased | 12.662 | 12.431 | -0.231 |
| 110 | 50 | LDR-Biased | 12.588 | 12.298 | -0.29 |
| 111 | 50 | LDR-Biased | 12.256 | 12.4 | 0.144 |
| 112 | 50 | LDR-Unbiased | 12.296 | 12.638 | 0.342 |
| 113 | 50 | LDR-Unbiased | 12.678 | 12.569 | -0.109 |
| 115 | 50 | LDR-Unbiased | 12.676 | 12.093 | -0.583 |
| 116 | 50 | LDR-Unbiased | 12.363 | 12.382 | 0.019 |
| 117 | 50 | LDR-Unbiased | 12.486 | 12.694 | 0.208 |

## Test Statistics (mSec)

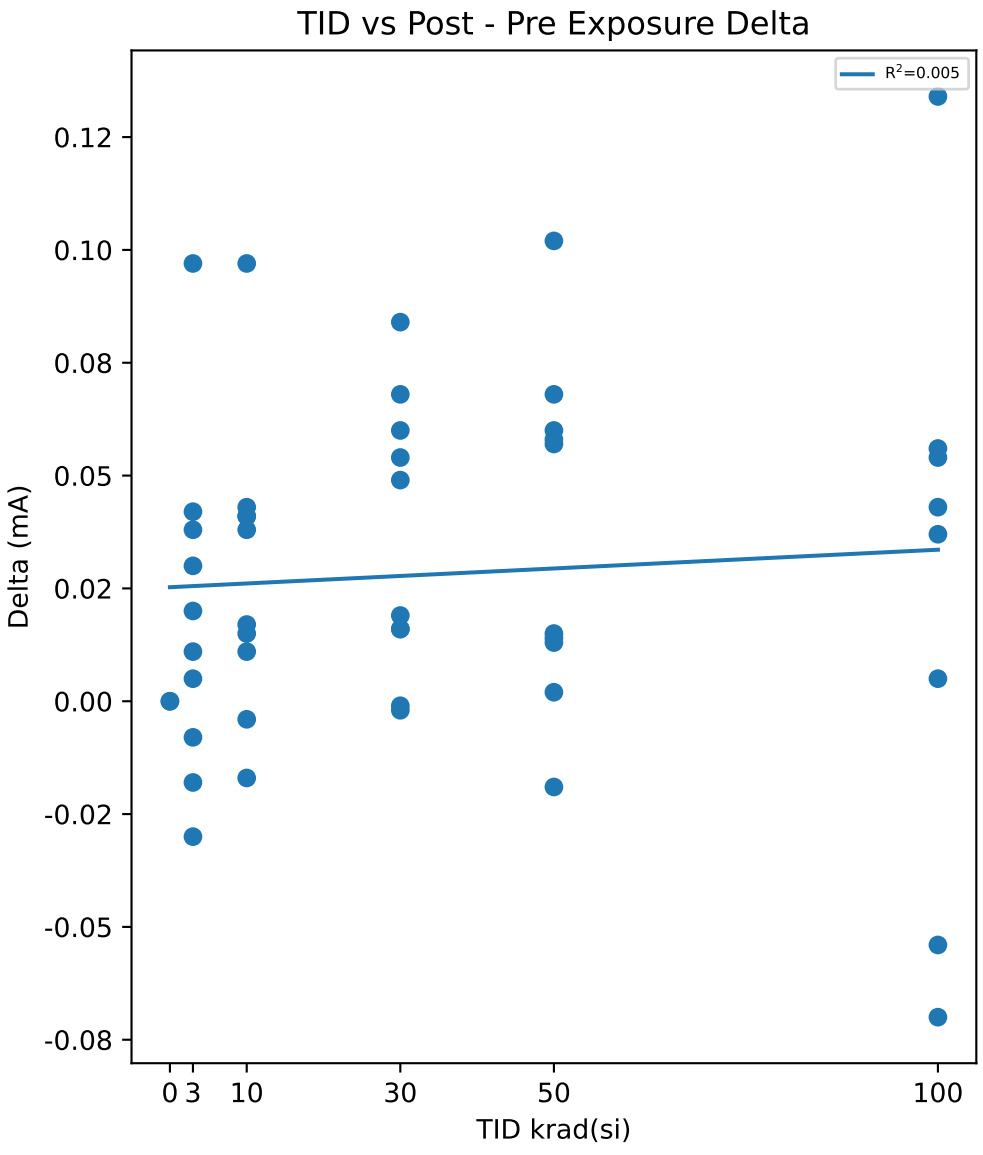
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.313 | 12.439 | 12.564 | 0.17748 | 12.313 | 12.439 | 12.564 | 0.17748 | 0 | 0 | 0 | 0 |
| 3 | 12.256 | 12.537 | 12.706 | 0.17346 | 12.168 | 12.444 | 12.683 | 0.19124 | -0.508 | -0.0928 | 0.328 | 0.26269 |
| 10 | 12.256 | 12.537 | 12.706 | 0.17346 | 12.019 | 12.434 | 12.678 | 0.21488 | -0.657 | -0.1026 | 0.328 | 0.29277 |
| 30 | 12.256 | 12.537 | 12.706 | 0.17346 | 12.117 | 12.46 | 12.736 | 0.19843 | -0.559 | -0.0766 | 0.298 | 0.28123 |
| 50 | 12.256 | 12.537 | 12.706 | 0.17346 | 12.093 | 12.443 | 12.694 | 0.19222 | -0.583 | -0.0937 | 0.342 | 0.29095 |
| 100 | 12.252 | 12.504 | 12.711 | 0.20644 | 12.273 | 12.409 | 12.564 | 0.10585 | -0.31 | -0.094375 | 0.12 | 0.16085 |

# Device Test: 6.0 IQ/IN//3/0/0/0/@IQ_SEQDOWN




Test Results (Lower Limit = 0.0, Upper Limit = 3.5 (mA))

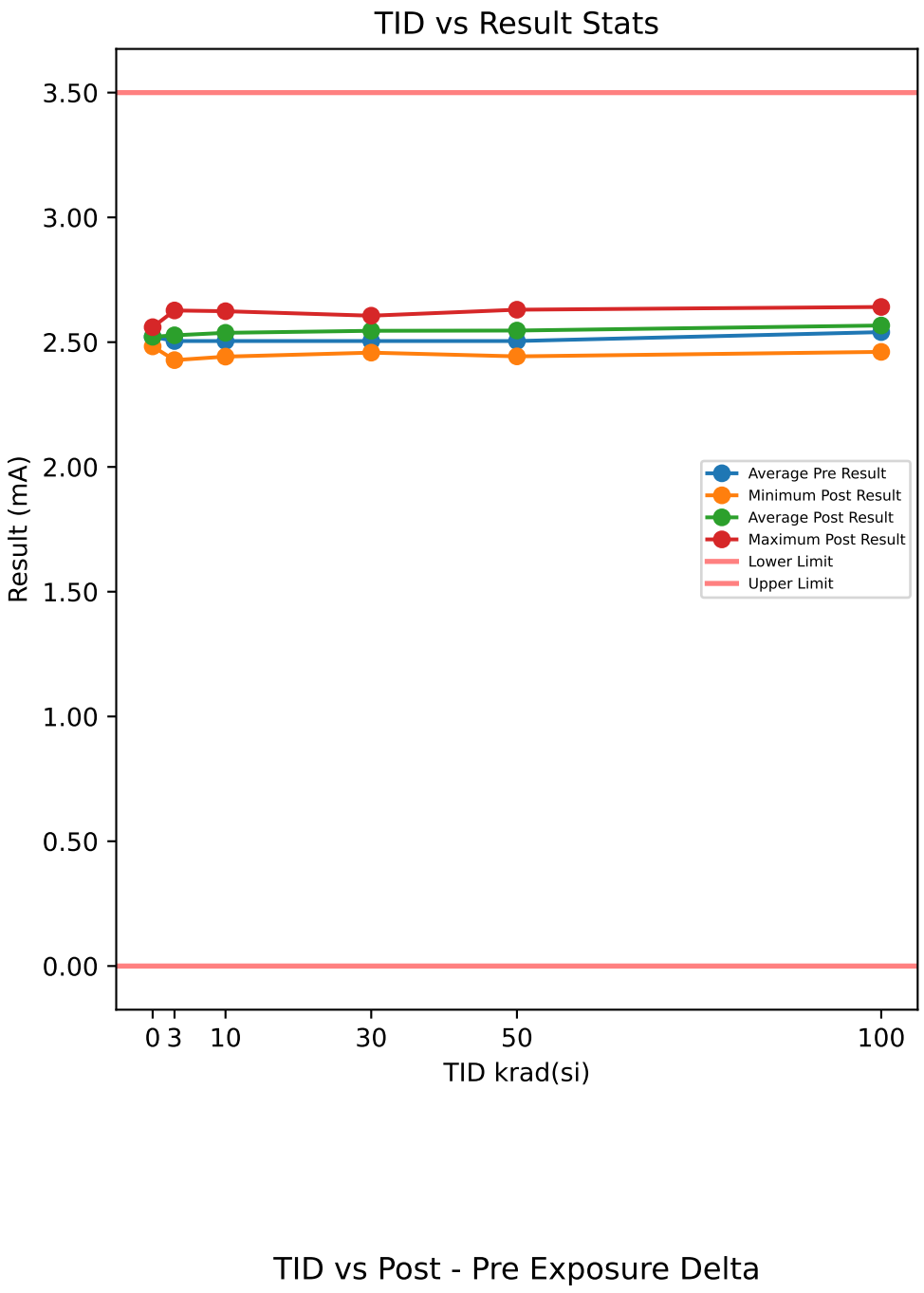
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.259 | 2.259 | 0 |
| 7 | 0 | Correlation | 2.207 | 2.207 | 0 |
| 16 | 3 | LDR-Biased | 2.201 | 2.171 | -0.03 |
| 18 | 3 | LDR-Biased | 2.215 | 2.253 | 0.038 |
| 19 | 3 | LDR-Biased | 2.203 | 2.185 | -0.018 |
| 20 | 3 | LDR-Biased | 2.232 | 2.224 | -0.008 |
| 21 | 3 | LDR-Biased | 2.262 | 2.267 | 0.005 |
| 22 | 3 | LDR-Unbiased | 2.273 | 2.284 | 0.011 |
| 23 | 3 | LDR-Unbiased | 2.224 | 2.321 | 0.097 |
| 25 | 3 | LDR-Unbiased | 2.202 | 2.222 | 0.02 |
| 26 | 3 | LDR-Unbiased | 2.219 | 2.261 | 0.042 |
| 27 | 3 | LDR-Unbiased | 2.215 | 2.245 | 0.03 |
| 46 | 10 | LDR-Biased | 2.201 | 2.184 | -0.017 |
| 48 | 10 | LDR-Biased | 2.215 | 2.258 | 0.043 |
| 49 | 10 | LDR-Biased | 2.203 | 2.199 | -0.004 |
| 50 | 10 | LDR-Biased | 2.232 | 2.243 | 0.011 |
| 51 | 10 | LDR-Biased | 2.262 | 2.279 | 0.017 |
| 52 | 10 | LDR-Unbiased | 2.273 | 2.288 | 0.015 |
| 53 | 10 | LDR-Unbiased | 2.224 | 2.321 | 0.097 |
| 55 | 10 | LDR-Unbiased | 2.202 | 2.24 | 0.038 |
| 56 | 10 | LDR-Unbiased | 2.219 | 2.26 | 0.041 |
| 57 | 10 | LDR-Unbiased | 2.215 | 2.256 | 0.041 |
| 76 | 30 | LDR-Biased | 2.201 | 2.2 | -0.001 |
| 78 | 30 | LDR-Biased | 2.215 | 2.283 | 0.068 |
| 79 | 30 | LDR-Biased | 2.203 | 2.201 | -0.002 |
| 80 | 30 | LDR-Biased | 2.232 | 2.248 | 0.016 |
| 81 | 30 | LDR-Biased | 2.262 | 2.278 | 0.016 |
| 82 | 30 | LDR-Unbiased | 2.273 | 2.292 | 0.019 |
| 83 | 30 | LDR-Unbiased | 2.224 | 2.308 | 0.084 |
| 84 | 30 | LDR-Unbiased | 2.215 | 2.275 | 0.06 |
| 85 | 30 | LDR-Unbiased | 2.202 | 2.251 | 0.049 |
| 86 | 30 | LDR-Unbiased | 2.219 | 2.273 | 0.054 |
| 87 | 100 | LDR-Biased | 2.342 | 2.288 | -0.054 |
| 88 | 100 | LDR-Biased | 2.204 | 2.258 | 0.054 |
| 90 | 100 | LDR-Biased | 2.215 | 2.258 | 0.043 |
| 91 | 100 | LDR-Unbiased | 2.271 | 2.201 | -0.07 |
| 93 | 100 | LDR-Unbiased | 2.262 | 2.267 | 0.005 |
| 94 | 100 | LDR-Unbiased | 2.201 | 2.335 | 0.134 |
| 95 | 100 | LDR-Unbiased | 2.291 | 2.328 | 0.037 |
| 96 | 100 | LDR-Unbiased | 2.216 | 2.272 | 0.056 |
| 106 | 50 | LDR-Biased | 2.201 | 2.182 | -0.019 |
| 108 | 50 | LDR-Biased | 2.215 | 2.273 | 0.058 |
| 109 | 50 | LDR-Biased | 2.203 | 2.205 | 0.002 |
| 110 | 50 | LDR-Biased | 2.232 | 2.245 | 0.013 |
| 111 | 50 | LDR-Biased | 2.262 | 2.277 | 0.015 |
| 112 | 50 | LDR-Unbiased | 2.273 | 2.287 | 0.014 |
| 113 | 50 | LDR-Unbiased | 2.224 | 2.326 | 0.102 |
| 115 | 50 | LDR-Unbiased | 2.202 | 2.262 | 0.06 |
| 116 | 50 | LDR-Unbiased | 2.219 | 2.287 | 0.068 |
| 117 | 50 | LDR-Unbiased | 2.215 | 2.272 | 0.057 |

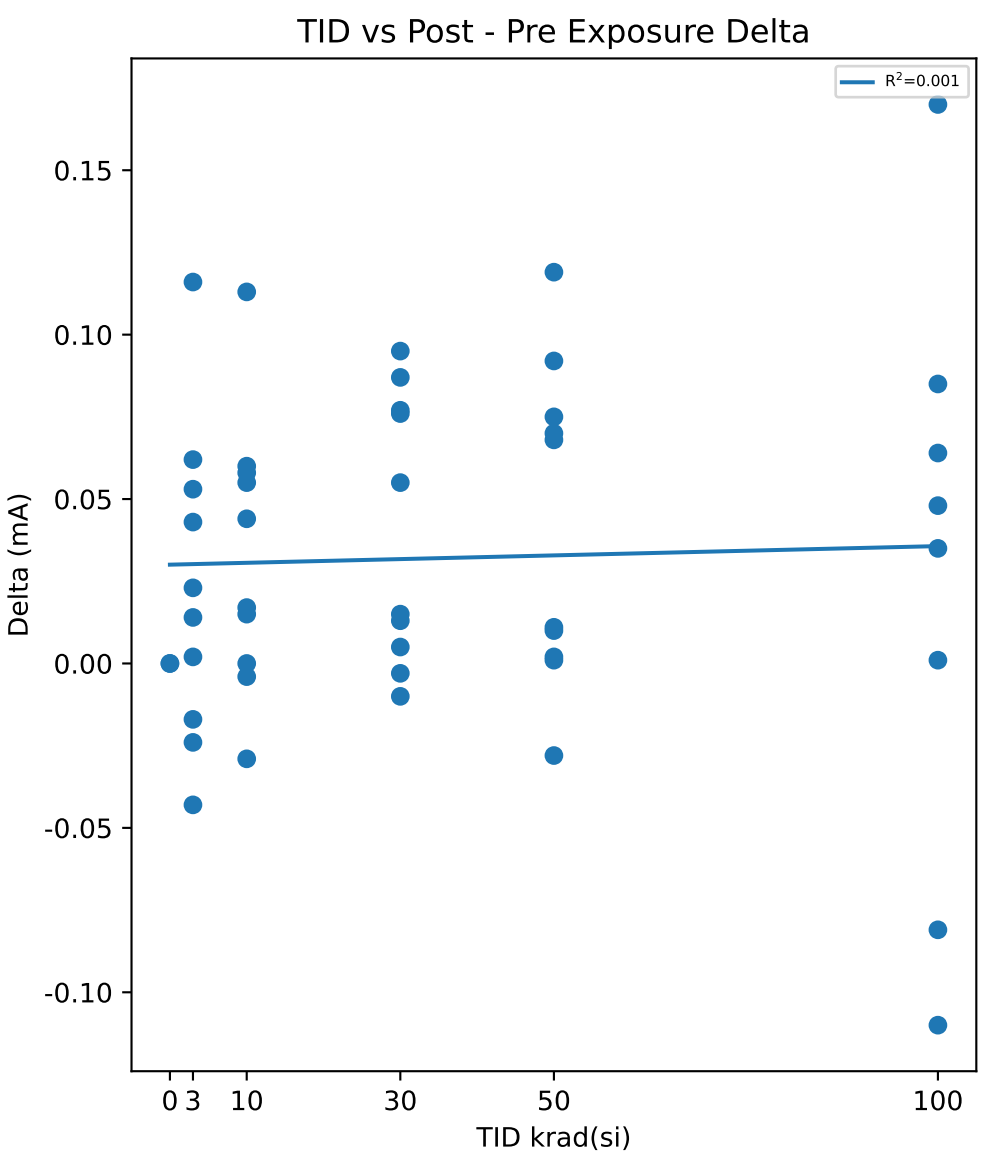



Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.207 | 2.233 | 2.259 | 0.03677 | 2.207 | 2.233 | 2.259 | 0.03677 | 0 | 0 | 0 | 0 |
| 3 | 2.201 | 2.2246 | 2.273 | 0.024825 | 2.171 | 2.2433 | 2.321 | 0.044868 | -0.03 | 0.0187 | 0.097 | 0.036292 |
| 10 | 2.201 | 2.2246 | 2.273 | 0.024825 | 2.184 | 2.2528 | 2.321 | 0.040213 | -0.017 | 0.0282 | 0.097 | 0.031713 |
| 30 | 2.201 | 2.2246 | 2.273 | 0.024825 | 2.2 | 2.2609 | 2.308 | 0.036321 | -0.002 | 0.0363 | 0.084 | 0.030365 |
| 50 | 2.201 | 2.2246 | 2.273 | 0.024825 | 2.182 | 2.2616 | 2.326 | 0.041804 | -0.019 | 0.037 | 0.102 | 0.037277 |
| 100 | 2.201 | 2.2502 | 2.342 | 0.050182 | 2.201 | 2.2759 | 2.335 | 0.042593 | -0.07 | 0.025625 | 0.134 | 0.065262 |

# Device Test: 6.1 IQ/IN//14/0/0/0/@IQ_SEQDOWN




Test Results (Lower Limit = 0.0, Upper Limit = 3.5 (mA))

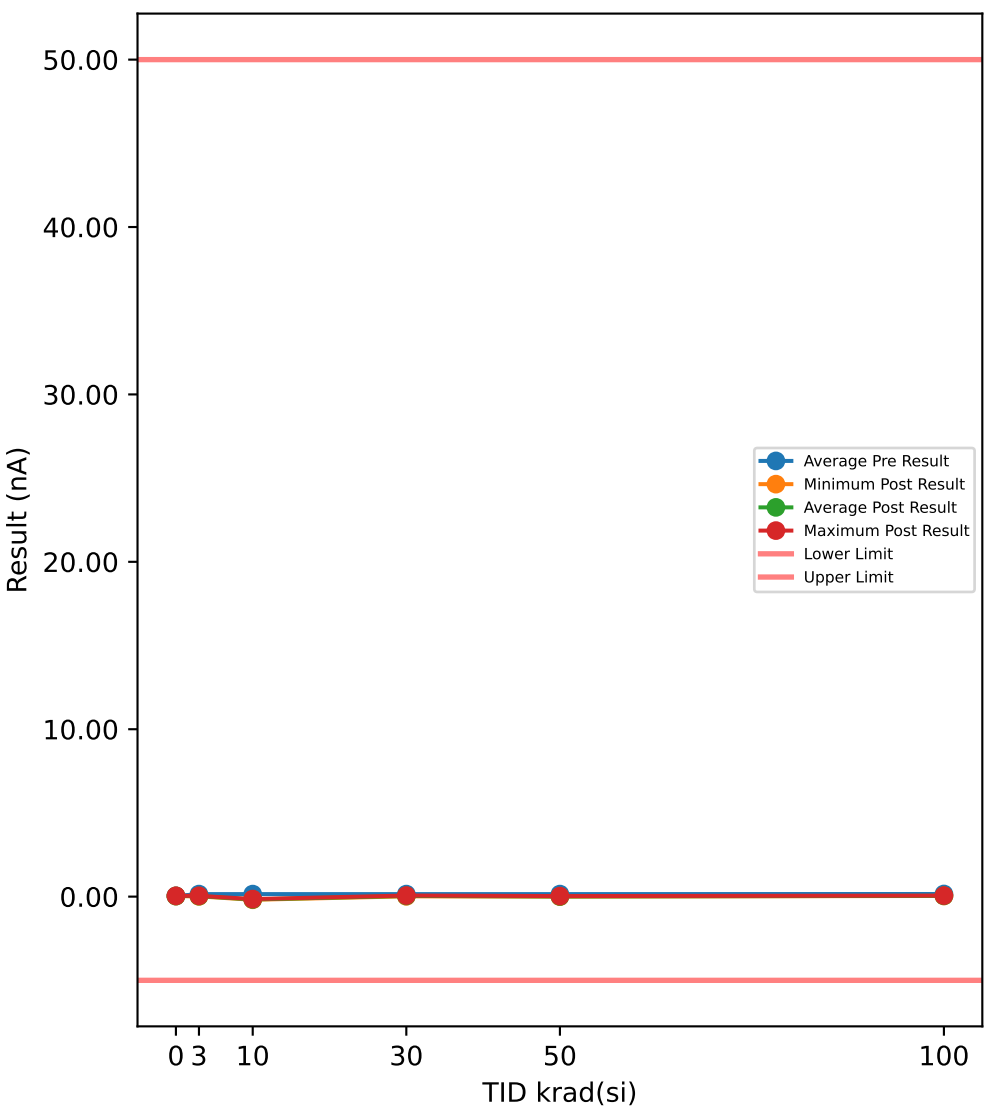
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.56 | 2.56 | 0 |
| 7 | 0 | Correlation | 2.483 | 2.483 | 0 |
| 16 | 3 | LDR-Biased | 2.471 | 2.428 | -0.043 |
| 18 | 3 | LDR-Biased | 2.496 | 2.549 | 0.053 |
| 19 | 3 | LDR-Biased | 2.461 | 2.444 | -0.017 |
| 20 | 3 | LDR-Biased | 2.519 | 2.495 | -0.024 |
| 21 | 3 | LDR-Biased | 2.555 | 2.557 | 0.002 |
| 22 | 3 | LDR-Unbiased | 2.572 | 2.586 | 0.014 |
| 23 | 3 | LDR-Unbiased | 2.511 | 2.627 | 0.116 |
| 25 | 3 | LDR-Unbiased | 2.478 | 2.501 | 0.023 |
| 26 | 3 | LDR-Unbiased | 2.485 | 2.547 | 0.062 |
| 27 | 3 | LDR-Unbiased | 2.497 | 2.54 | 0.043 |
| 46 | 10 | LDR-Biased | 2.471 | 2.442 | -0.029 |
| 48 | 10 | LDR-Biased | 2.496 | 2.554 | 0.058 |
| 49 | 10 | LDR-Biased | 2.461 | 2.457 | -0.004 |
| 50 | 10 | LDR-Biased | 2.519 | 2.519 | 0 |
| 51 | 10 | LDR-Biased | 2.555 | 2.57 | 0.015 |
| 52 | 10 | LDR-Unbiased | 2.572 | 2.589 | 0.017 |
| 53 | 10 | LDR-Unbiased | 2.511 | 2.624 | 0.113 |
| 55 | 10 | LDR-Unbiased | 2.478 | 2.522 | 0.044 |
| 56 | 10 | LDR-Unbiased | 2.485 | 2.545 | 0.06 |
| 57 | 10 | LDR-Unbiased | 2.497 | 2.552 | 0.055 |
| 76 | 30 | LDR-Biased | 2.471 | 2.461 | -0.01 |
| 78 | 30 | LDR-Biased | 2.496 | 2.583 | 0.087 |
| 79 | 30 | LDR-Biased | 2.461 | 2.458 | -0.003 |
| 80 | 30 | LDR-Biased | 2.519 | 2.524 | 0.005 |
| 81 | 30 | LDR-Biased | 2.555 | 2.568 | 0.013 |
| 82 | 30 | LDR-Unbiased | 2.572 | 2.587 | 0.015 |
| 83 | 30 | LDR-Unbiased | 2.511 | 2.606 | 0.095 |
| 84 | 30 | LDR-Unbiased | 2.497 | 2.573 | 0.076 |
| 85 | 30 | LDR-Unbiased | 2.478 | 2.533 | 0.055 |
| 86 | 30 | LDR-Unbiased | 2.485 | 2.562 | 0.077 |
| 87 | 100 | LDR-Biased | 2.659 | 2.578 | -0.081 |
| 88 | 100 | LDR-Biased | 2.474 | 2.559 | 0.085 |
| 90 | 100 | LDR-Biased | 2.496 | 2.56 | 0.064 |
| 91 | 100 | LDR-Unbiased | 2.571 | 2.461 | -0.11 |
| 93 | 100 | LDR-Unbiased | 2.555 | 2.556 | 0.001 |
| 94 | 100 | LDR-Unbiased | 2.471 | 2.641 | 0.17 |
| 95 | 100 | LDR-Unbiased | 2.598 | 2.633 | 0.035 |
| 96 | 100 | LDR-Unbiased | 2.498 | 2.546 | 0.048 |
| 106 | 50 | LDR-Biased | 2.471 | 2.443 | -0.028 |
| 108 | 50 | LDR-Biased | 2.496 | 2.571 | 0.075 |
| 109 | 50 | LDR-Biased | 2.461 | 2.462 | 0.001 |
| 110 | 50 | LDR-Biased | 2.519 | 2.521 | 0.002 |
| 111 | 50 | LDR-Biased | 2.555 | 2.566 | 0.011 |
| 112 | 50 | LDR-Unbiased | 2.572 | 2.582 | 0.01 |
| 113 | 50 | LDR-Unbiased | 2.511 | 2.63 | 0.119 |
| 115 | 50 | LDR-Unbiased | 2.478 | 2.546 | 0.068 |
| 116 | 50 | LDR-Unbiased | 2.485 | 2.577 | 0.092 |
| 117 | 50 | LDR-Unbiased | 2.497 | 2.567 | 0.07 |

Test Statistics (mA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.483 | 2.5215 | 2.56 | 0.054447 | 2.483 | 2.5215 | 2.56 | 0.054447 | 0 | 0 | 0 | 0 |
| 3 | 2.461 | 2.5045 | 2.572 | 0.035877 | 2.428 | 2.5274 | 2.627 | 0.061303 | -0.043 | 0.0229 | 0.116 | 0.047325 |
| 10 | 2.461 | 2.5045 | 2.572 | 0.035877 | 2.442 | 2.5374 | 2.624 | 0.05569 | -0.029 | 0.0329 | 0.113 | 0.041151 |
| 30 | 2.461 | 2.5045 | 2.572 | 0.035877 | 2.458 | 2.5455 | 2.606 | 0.051358 | -0.01 | 0.041 | 0.095 | 0.040882 |
| 50 | 2.461 | 2.5045 | 2.572 | 0.035877 | 2.443 | 2.5465 | 2.63 | 0.05683 | -0.028 | 0.042 | 0.119 | 0.04847 |
| 100 | 2.471 | 2.5402 | 2.659 | 0.067111 | 2.461 | 2.5667 | 2.641 | 0.055887 | -0.11 | 0.0265 | 0.17 | 0.090075 |

# Device Test: 6.10 ILKG_SENSE2/SENSE2//3/0/0/0/@ILKG_SENSE

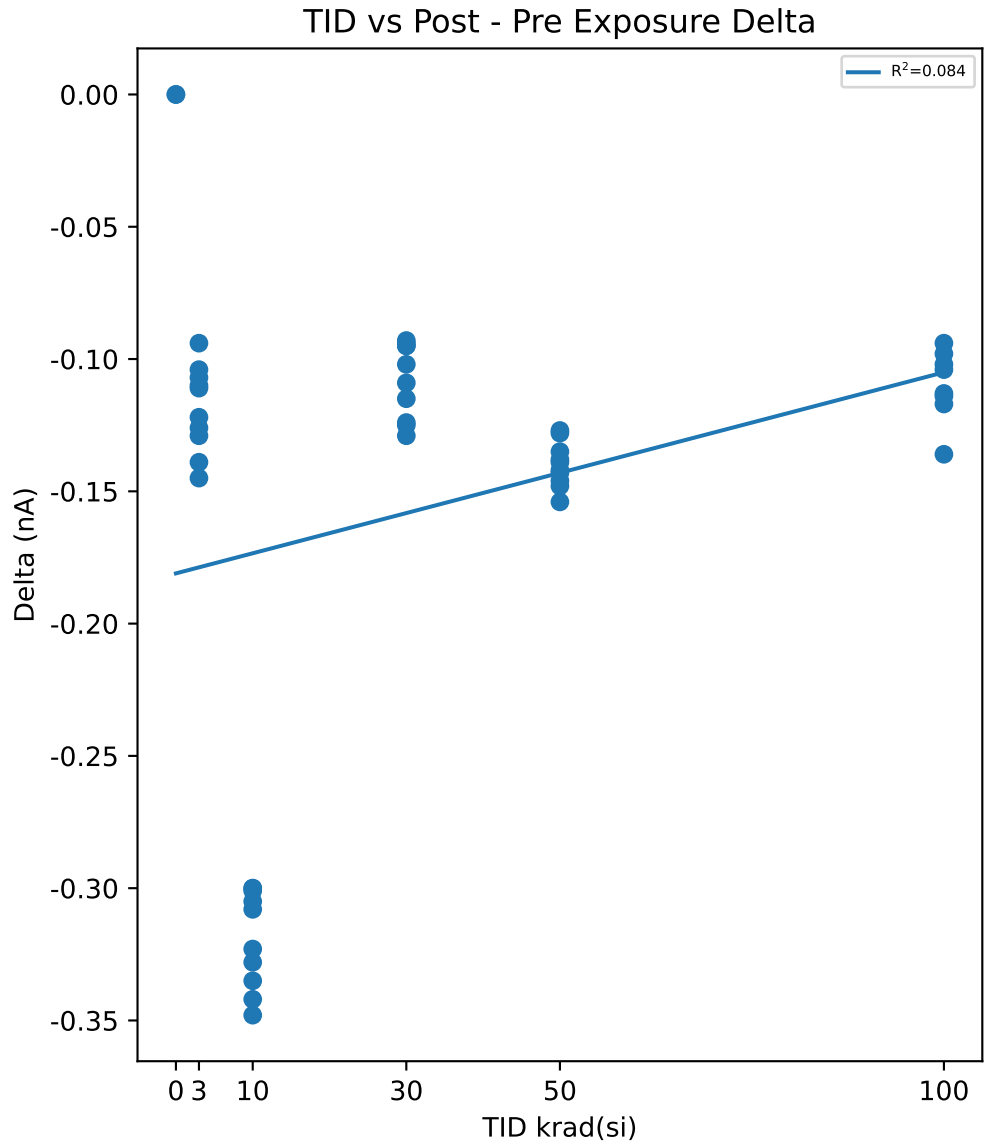
## TID vs Result Stats




## Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.03 | 0.03 | 0 |
| 7 | 0 | Correlation | 0.048 | 0.048 | 0 |
| 16 | 3 | LDR-Biased | 0.161 | 0.035 | -0.126 |
| 18 | 3 | LDR-Biased | 0.16 | 0.015 | -0.145 |
| 19 | 3 | LDR-Biased | 0.149 | 0.039 | -0.11 |
| 20 | 3 | LDR-Biased | 0.154 | 0.05 | -0.104 |
| 21 | 3 | LDR-Biased | 0.155 | 0.026 | -0.129 |
| 22 | 3 | LDR-Unbiased | 0.145 | 0.034 | -0.111 |
| 23 | 3 | LDR-Unbiased | 0.129 | 0.035 | -0.094 |
| 25 | 3 | LDR-Unbiased | 0.146 | 0.024 | -0.122 |
| 26 | 3 | LDR-Unbiased | 0.146 | 0.039 | -0.107 |
| 27 | 3 | LDR-Unbiased | 0.161 | 0.022 | -0.139 |
| 46 | 10 | LDR-Biased | 0.161 | -0.181 | -0.342 |
| 48 | 10 | LDR-Biased | 0.16 | -0.188 | -0.348 |
| 49 | 10 | LDR-Biased | 0.149 | -0.151 | -0.3 |
| 50 | 10 | LDR-Biased | 0.154 | -0.146 | -0.3 |
| 51 | 10 | LDR-Biased | 0.155 | -0.15 | -0.305 |
| 52 | 10 | LDR-Unbiased | 0.145 | -0.178 | -0.323 |
| 53 | 10 | LDR-Unbiased | 0.129 | -0.172 | -0.301 |
| 55 | 10 | LDR-Unbiased | 0.146 | -0.162 | -0.308 |
| 56 | 10 | LDR-Unbiased | 0.146 | -0.189 | -0.335 |
| 57 | 10 | LDR-Unbiased | 0.161 | -0.167 | -0.328 |
| 76 | 30 | LDR-Biased | 0.161 | 0.066 | -0.095 |
| 78 | 30 | LDR-Biased | 0.16 | 0.036 | -0.124 |
| 79 | 30 | LDR-Biased | 0.149 | 0.034 | -0.115 |
| 80 | 30 | LDR-Biased | 0.154 | 0.06 | -0.094 |
| 81 | 30 | LDR-Biased | 0.155 | 0.06 | -0.095 |
| 82 | 30 | LDR-Unbiased | 0.145 | 0.052 | -0.093 |
| 83 | 30 | LDR-Unbiased | 0.129 | 0.027 | -0.102 |
| 84 | 30 | LDR-Unbiased | 0.161 | 0.036 | -0.125 |
| 85 | 30 | LDR-Unbiased | 0.146 | 0.017 | -0.129 |
| 86 | 30 | LDR-Unbiased | 0.146 | 0.037 | -0.109 |
| 87 | 100 | LDR-Biased | 0.141 | 0.047 | -0.094 |
| 88 | 100 | LDR-Biased | 0.16 | 0.047 | -0.113 |
| 90 | 100 | LDR-Biased | 0.153 | 0.049 | -0.104 |
| 91 | 100 | LDR-Unbiased | 0.161 | 0.063 | -0.098 |
| 93 | 100 | LDR-Unbiased | 0.158 | 0.056 | -0.102 |
| 94 | 100 | LDR-Unbiased | 0.175 | 0.039 | -0.136 |
| 95 | 100 | LDR-Unbiased | 0.153 | 0.039 | -0.114 |
| 96 | 100 | LDR-Unbiased | 0.158 | 0.041 | -0.117 |
| 106 | 50 | LDR-Biased | 0.161 | 0.015 | -0.146 |
| 108 | 50 | LDR-Biased | 0.16 | 0.017 | -0.143 |
| 109 | 50 | LDR-Biased | 0.149 | 0.007 | -0.142 |
| 110 | 50 | LDR-Biased | 0.154 | 0.016 | -0.138 |
| 111 | 50 | LDR-Biased | 0.155 | 0.001 | -0.154 |
| 112 | 50 | LDR-Unbiased | 0.145 | 0.01 | -0.135 |
| 113 | 50 | LDR-Unbiased | 0.129 | 0.002 | -0.127 |
| 115 | 50 | LDR-Unbiased | 0.146 | 0.007 | -0.139 |
| 116 | 50 | LDR-Unbiased | 0.146 | -0.002 | -0.148 |
| 117 | 50 | LDR-Unbiased | 0.161 | 0.033 | -0.128 |

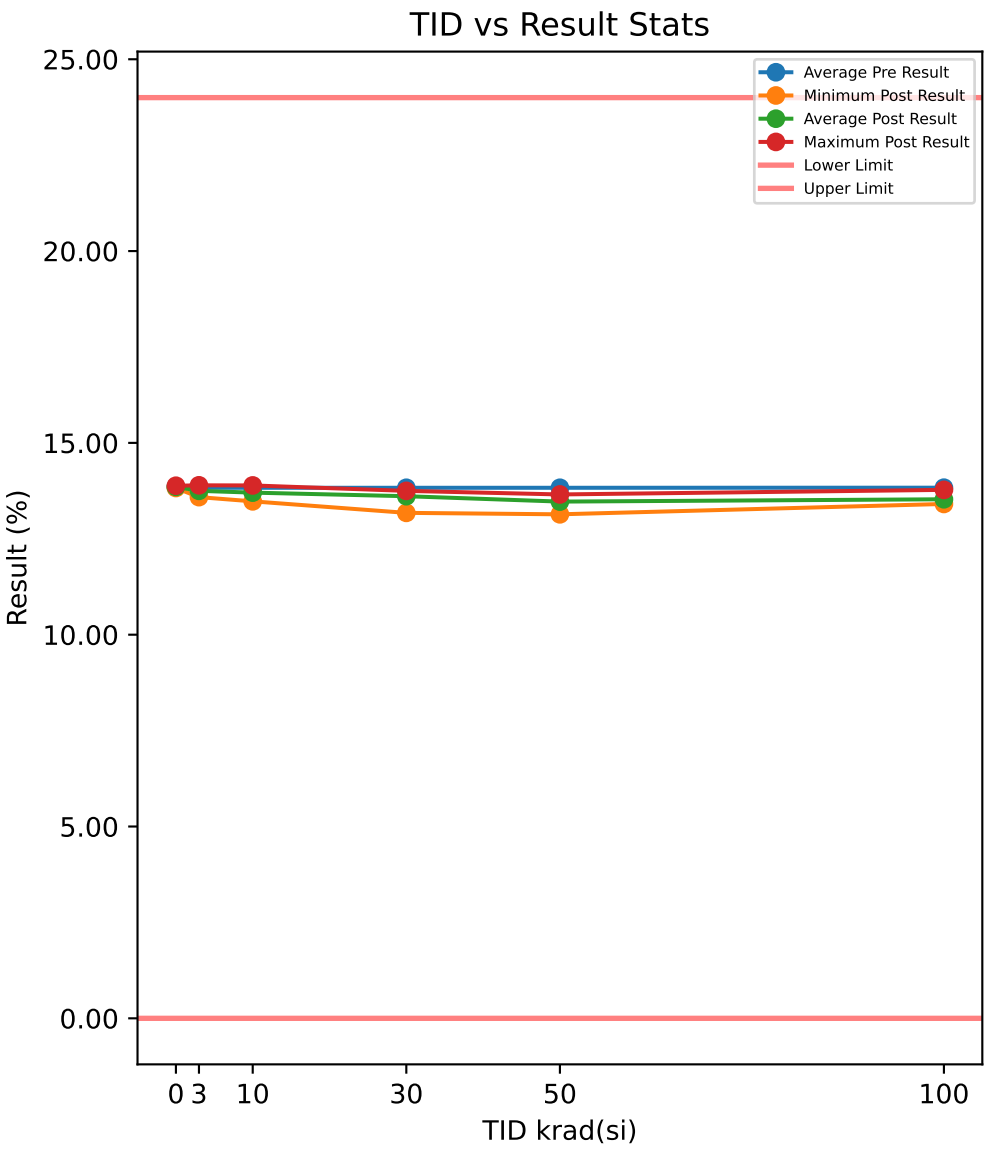
## TID vs Post - Pre Exposure Delta

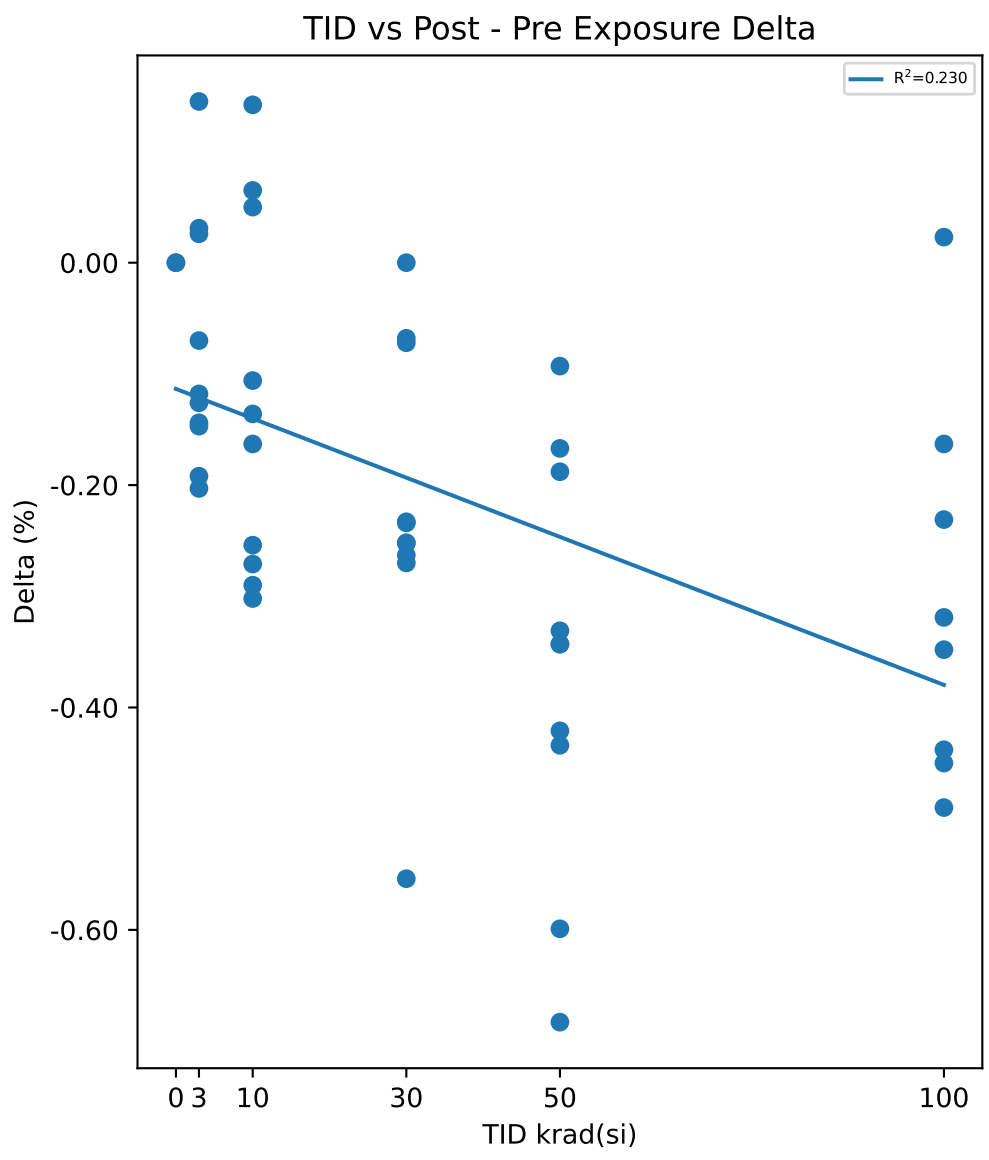



## Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.03 | 0.039 | 0.048 | 0.012728 | 0.03 | 0.039 | 0.048 | 0.012728 | 0 | 0 | 0 | 0 |
| 3 | 0.129 | 0.1506 | 0.161 | 0.0098793 | 0.015 | 0.0319 | 0.05 | 0.010181 | -0.145 | -0.1187 | -0.094 | 0.016235 |
| 10 | 0.129 | 0.1506 | 0.161 | 0.0098793 | -0.189 | -0.1684 | -0.146 | 0.015841 | -0.348 | -0.319 | -0.3 | 0.018517 |
| 30 | 0.129 | 0.1506 | 0.161 | 0.0098793 | 0.017 | 0.0425 | 0.066 | 0.016099 | -0.129 | -0.1081 | -0.093 | 0.014263 |
| 50 | 0.129 | 0.1506 | 0.161 | 0.0098793 | -0.002 | 0.0106 | 0.033 | 0.010233 | -0.154 | -0.14 | -0.127 | 0.0085114 |
| 100 | 0.141 | 0.15737 | 0.175 | 0.0095459 | 0.039 | 0.047625 | 0.063 | 0.0084674 | -0.136 | -0.10975 | -0.094 | 0.01336 |

# Device Test: 6.100 VOL_10mA_EN1/EN1/1.6/3/0/0/10/@VOL_EN_10MA



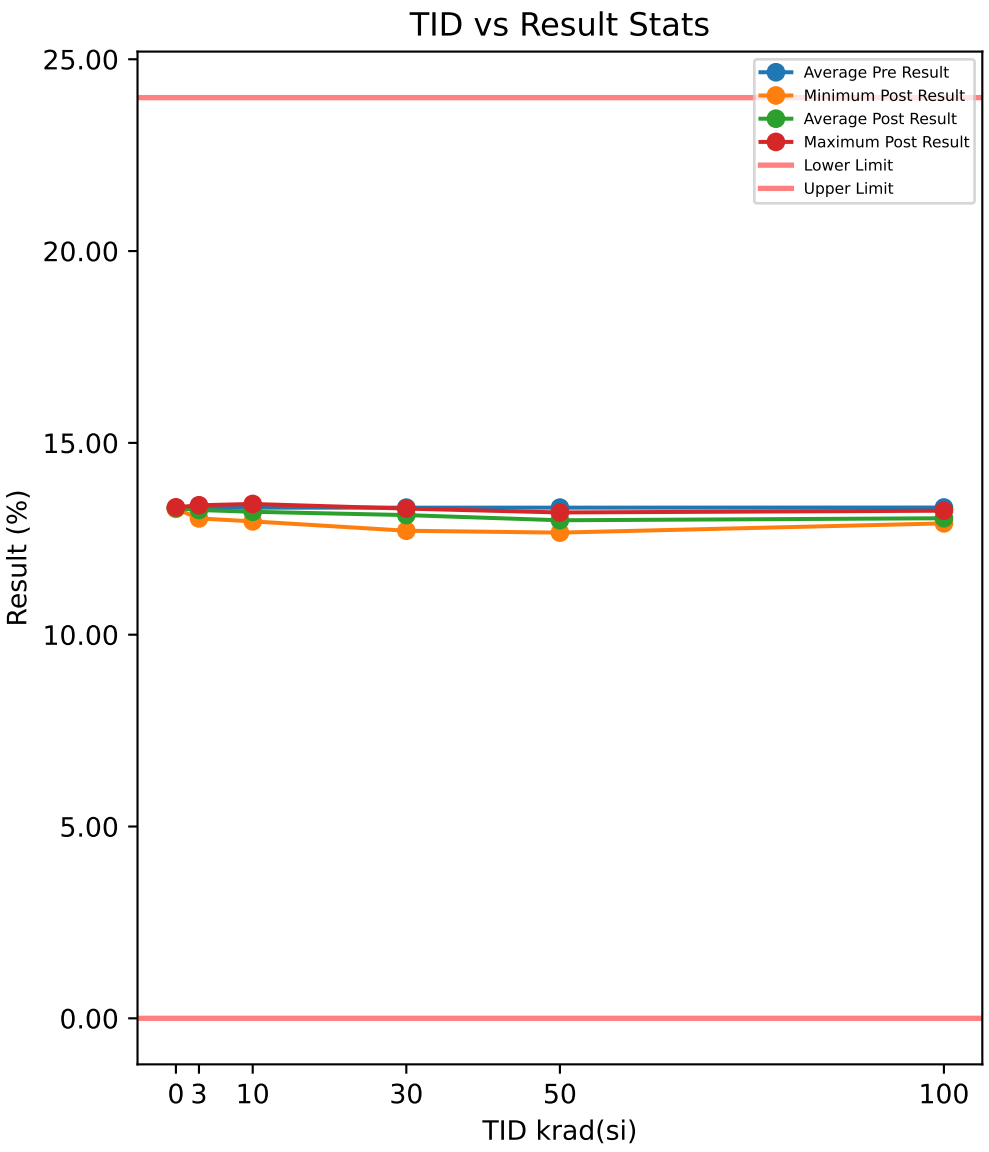

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

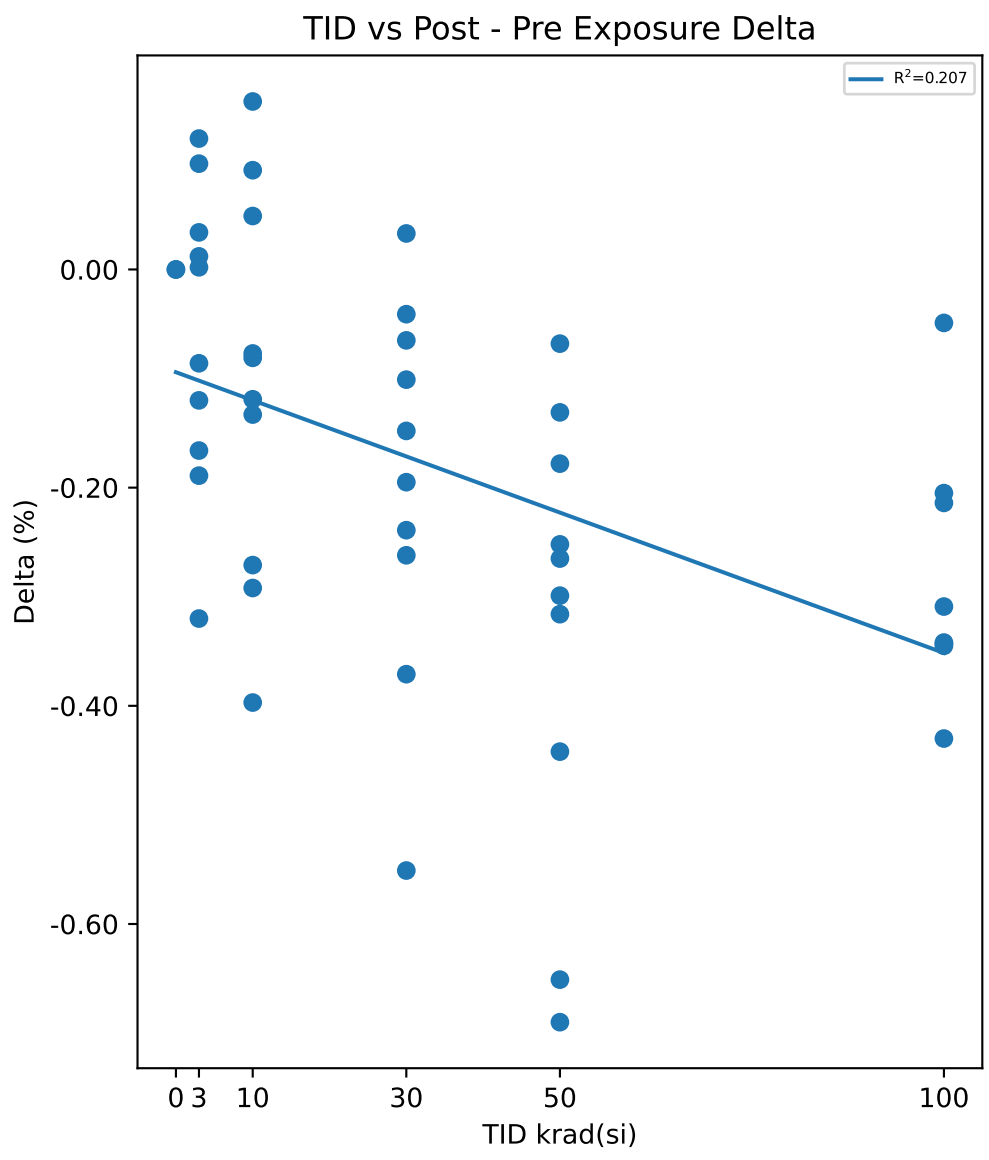
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 13.824 | 13.824 | 0 |
| 7 | 0 | Correlation | 13.883 | 13.883 | 0 |
| 16 | 3 | LDR-Biased | 13.839 | 13.636 | -0.203 |
| 18 | 3 | LDR-Biased | 13.73 | 13.586 | -0.144 |
| 19 | 3 | LDR-Biased | 13.837 | 13.69 | -0.147 |
| 20 | 3 | LDR-Biased | 13.821 | 13.629 | -0.192 |
| 21 | 3 | LDR-Biased | 13.927 | 13.857 | -0.07 |
| 22 | 3 | LDR-Unbiased | 13.802 | 13.828 | 0.026 |
| 23 | 3 | LDR-Unbiased | 13.754 | 13.785 | 0.031 |
| 25 | 3 | LDR-Unbiased | 13.888 | 13.77 | -0.118 |
| 26 | 3 | LDR-Unbiased | 13.951 | 13.825 | -0.126 |
| 27 | 3 | LDR-Unbiased | 13.749 | 13.894 | 0.145 |
| 46 | 10 | LDR-Biased | 13.839 | 13.549 | -0.29 |
| 48 | 10 | LDR-Biased | 13.73 | 13.476 | -0.254 |
| 49 | 10 | LDR-Biased | 13.837 | 13.566 | -0.271 |
| 50 | 10 | LDR-Biased | 13.821 | 13.519 | -0.302 |
| 51 | 10 | LDR-Biased | 13.927 | 13.764 | -0.163 |
| 52 | 10 | LDR-Unbiased | 13.802 | 13.867 | 0.065 |
| 53 | 10 | LDR-Unbiased | 13.754 | 13.804 | 0.05 |
| 55 | 10 | LDR-Unbiased | 13.888 | 13.782 | -0.106 |
| 56 | 10 | LDR-Unbiased | 13.951 | 13.815 | -0.136 |
| 57 | 10 | LDR-Unbiased | 13.749 | 13.891 | 0.142 |
| 76 | 30 | LDR-Biased | 13.839 | 13.576 | -0.263 |
| 78 | 30 | LDR-Biased | 13.73 | 13.176 | -0.554 |
| 79 | 30 | LDR-Biased | 13.837 | 13.585 | -0.252 |
| 80 | 30 | LDR-Biased | 13.821 | 13.551 | -0.27 |
| 81 | 30 | LDR-Biased | 13.927 | 13.693 | -0.234 |
| 82 | 30 | LDR-Unbiased | 13.802 | 13.734 | -0.068 |
| 83 | 30 | LDR-Unbiased | 13.754 | 13.682 | -0.072 |
| 84 | 30 | LDR-Unbiased | 13.749 | 13.749 | 0 |
| 85 | 30 | LDR-Unbiased | 13.888 | 13.655 | -0.233 |
| 86 | 30 | LDR-Unbiased | 13.951 | 13.699 | -0.252 |
| 87 | 100 | LDR-Biased | 13.95 | 13.46 | -0.49 |
| 88 | 100 | LDR-Biased | 13.919 | 13.756 | -0.163 |
| 90 | 100 | LDR-Biased | 13.752 | 13.775 | 0.023 |
| 91 | 100 | LDR-Unbiased | 13.758 | 13.41 | -0.348 |
| 93 | 100 | LDR-Unbiased | 13.928 | 13.478 | -0.45 |
| 94 | 100 | LDR-Unbiased | 13.846 | 13.408 | -0.438 |
| 95 | 100 | LDR-Unbiased | 13.747 | 13.516 | -0.231 |
| 96 | 100 | LDR-Unbiased | 13.757 | 13.438 | -0.319 |
| 106 | 50 | LDR-Biased | 13.839 | 13.24 | -0.599 |
| 108 | 50 | LDR-Biased | 13.73 | 13.296 | -0.434 |
| 109 | 50 | LDR-Biased | 13.837 | 13.416 | -0.421 |
| 110 | 50 | LDR-Biased | 13.821 | 13.138 | -0.683 |
| 111 | 50 | LDR-Biased | 13.927 | 13.584 | -0.343 |
| 112 | 50 | LDR-Unbiased | 13.802 | 13.635 | -0.167 |
| 113 | 50 | LDR-Unbiased | 13.754 | 13.566 | -0.188 |
| 115 | 50 | LDR-Unbiased | 13.888 | 13.545 | -0.343 |
| 116 | 50 | LDR-Unbiased | 13.951 | 13.62 | -0.331 |
| 117 | 50 | LDR-Unbiased | 13.749 | 13.656 | -0.093 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.824 | 13.854 | 13.883 | 0.041719 | 13.824 | 13.854 | 13.883 | 0.041719 | 0 | 0 | 0 | 0 |
| 3 | 13.73 | 13.83 | 13.951 | 0.075089 | 13.586 | 13.75 | 13.894 | 0.10732 | -0.203 | -0.0798 | 0.145 | 0.1126 |
| 10 | 13.73 | 13.83 | 13.951 | 0.075089 | 13.476 | 13.703 | 13.891 | 0.15734 | -0.302 | -0.1265 | 0.142 | 0.16208 |
| 30 | 13.73 | 13.83 | 13.951 | 0.075089 | 13.176 | 13.61 | 13.749 | 0.16678 | -0.554 | -0.2198 | 0 | 0.15338 |
| 50 | 13.73 | 13.83 | 13.951 | 0.075089 | 13.138 | 13.47 | 13.656 | 0.18513 | -0.683 | -0.3602 | -0.093 | 0.18565 |
| 100 | 13.747 | 13.832 | 13.95 | 0.089147 | 13.408 | 13.53 | 13.775 | 0.14959 | -0.49 | -0.302 | 0.023 | 0.17243 |

# Device Test: 6.101 VOL_10mA_EN2/EN2/1.6/3/0/0/10/@VOL_EN_10MA



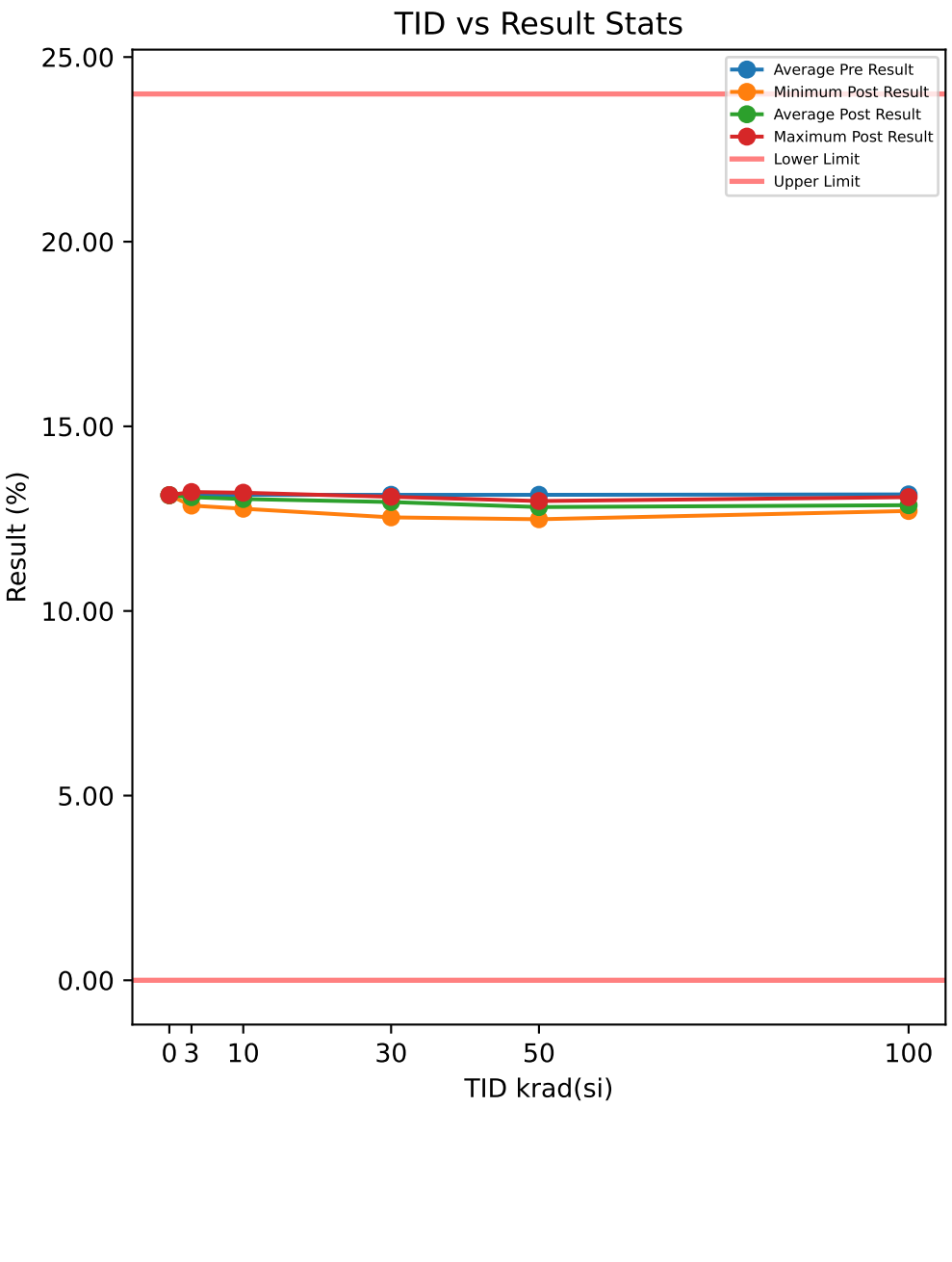

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

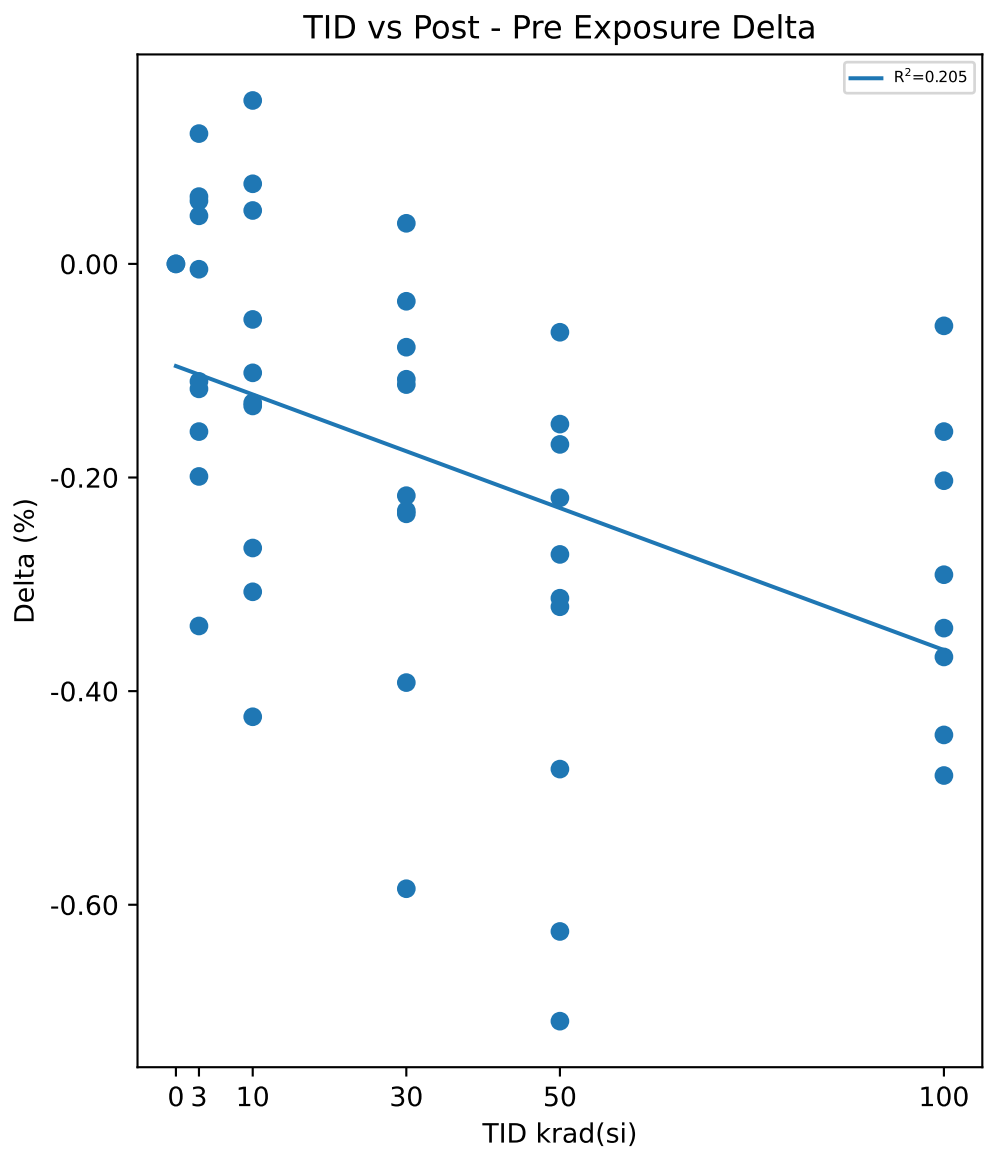
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 13.28 | 13.28 | 0 |
| 7 | 0 | Correlation | 13.32 | 13.32 | 0 |
| 16 | 3 | LDR-Biased | 13.351 | 13.031 | -0.32 |
| 18 | 3 | LDR-Biased | 13.261 | 13.095 | -0.166 |
| 19 | 3 | LDR-Biased | 13.31 | 13.312 | 0.002 |
| 20 | 3 | LDR-Biased | 13.319 | 13.13 | -0.189 |
| 21 | 3 | LDR-Biased | 13.353 | 13.365 | 0.012 |
| 22 | 3 | LDR-Unbiased | 13.254 | 13.374 | 0.12 |
| 23 | 3 | LDR-Unbiased | 13.3 | 13.334 | 0.034 |
| 25 | 3 | LDR-Unbiased | 13.298 | 13.212 | -0.086 |
| 26 | 3 | LDR-Unbiased | 13.401 | 13.281 | -0.12 |
| 27 | 3 | LDR-Unbiased | 13.272 | 13.369 | 0.097 |
| 46 | 10 | LDR-Biased | 13.351 | 12.954 | -0.397 |
| 48 | 10 | LDR-Biased | 13.261 | 12.99 | -0.271 |
| 49 | 10 | LDR-Biased | 13.31 | 13.191 | -0.119 |
| 50 | 10 | LDR-Biased | 13.319 | 13.027 | -0.292 |
| 51 | 10 | LDR-Biased | 13.353 | 13.272 | -0.081 |
| 52 | 10 | LDR-Unbiased | 13.254 | 13.408 | 0.154 |
| 53 | 10 | LDR-Unbiased | 13.3 | 13.349 | 0.049 |
| 55 | 10 | LDR-Unbiased | 13.298 | 13.221 | -0.077 |
| 56 | 10 | LDR-Unbiased | 13.401 | 13.268 | -0.133 |
| 57 | 10 | LDR-Unbiased | 13.272 | 13.363 | 0.091 |
| 76 | 30 | LDR-Biased | 13.351 | 12.98 | -0.371 |
| 78 | 30 | LDR-Biased | 13.261 | 12.71 | -0.551 |
| 79 | 30 | LDR-Biased | 13.31 | 13.209 | -0.101 |
| 80 | 30 | LDR-Biased | 13.319 | 13.057 | -0.262 |
| 81 | 30 | LDR-Biased | 13.353 | 13.205 | -0.148 |
| 82 | 30 | LDR-Unbiased | 13.254 | 13.287 | 0.033 |
| 83 | 30 | LDR-Unbiased | 13.3 | 13.235 | -0.065 |
| 84 | 30 | LDR-Unbiased | 13.272 | 13.231 | -0.041 |
| 85 | 30 | LDR-Unbiased | 13.298 | 13.103 | -0.195 |
| 86 | 30 | LDR-Unbiased | 13.401 | 13.162 | -0.239 |
| 87 | 100 | LDR-Biased | 13.376 | 12.946 | -0.43 |
| 88 | 100 | LDR-Biased | 13.428 | 13.214 | -0.214 |
| 90 | 100 | LDR-Biased | 13.281 | 13.232 | -0.049 |
| 91 | 100 | LDR-Unbiased | 13.211 | 12.902 | -0.309 |
| 93 | 100 | LDR-Unbiased | 13.355 | 13.012 | -0.343 |
| 94 | 100 | LDR-Unbiased | 13.359 | 13.014 | -0.345 |
| 95 | 100 | LDR-Unbiased | 13.228 | 13.023 | -0.205 |
| 96 | 100 | LDR-Unbiased | 13.281 | 12.939 | -0.342 |
| 106 | 50 | LDR-Biased | 13.351 | 12.661 | -0.69 |
| 108 | 50 | LDR-Biased | 13.261 | 12.819 | -0.442 |
| 109 | 50 | LDR-Biased | 13.31 | 13.045 | -0.265 |
| 110 | 50 | LDR-Biased | 13.319 | 12.668 | -0.651 |
| 111 | 50 | LDR-Biased | 13.353 | 13.101 | -0.252 |
| 112 | 50 | LDR-Unbiased | 13.254 | 13.186 | -0.068 |
| 113 | 50 | LDR-Unbiased | 13.3 | 13.122 | -0.178 |
| 115 | 50 | LDR-Unbiased | 13.298 | 12.999 | -0.299 |
| 116 | 50 | LDR-Unbiased | 13.401 | 13.085 | -0.316 |
| 117 | 50 | LDR-Unbiased | 13.272 | 13.141 | -0.131 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.28 | 13.3 | 13.32 | 0.028284 | 13.28 | 13.3 | 13.32 | 0.028284 | 0 | 0 | 0 | 0 |
| 3 | 13.254 | 13.312 | 13.401 | 0.046045 | 13.031 | 13.25 | 13.374 | 0.12581 | -0.32 | -0.0616 | 0.12 | 0.1393 |
| 10 | 13.254 | 13.312 | 13.401 | 0.046045 | 12.954 | 13.204 | 13.408 | 0.16218 | -0.397 | -0.1076 | 0.154 | 0.17615 |
| 30 | 13.254 | 13.312 | 13.401 | 0.046045 | 12.71 | 13.118 | 13.287 | 0.1707 | -0.551 | -0.194 | 0.033 | 0.17249 |
| 50 | 13.254 | 13.312 | 13.401 | 0.046045 | 12.661 | 12.983 | 13.186 | 0.19543 | -0.69 | -0.3292 | -0.068 | 0.20763 |
| 100 | 13.211 | 13.315 | 13.428 | 0.076273 | 12.902 | 13.035 | 13.232 | 0.12351 | -0.43 | -0.27963 | -0.049 | 0.11876 |

# Device Test: 6.102 VOL_10mA_EN3/EN3/1.6/3/0/0/10/@VOL_EN_10MA



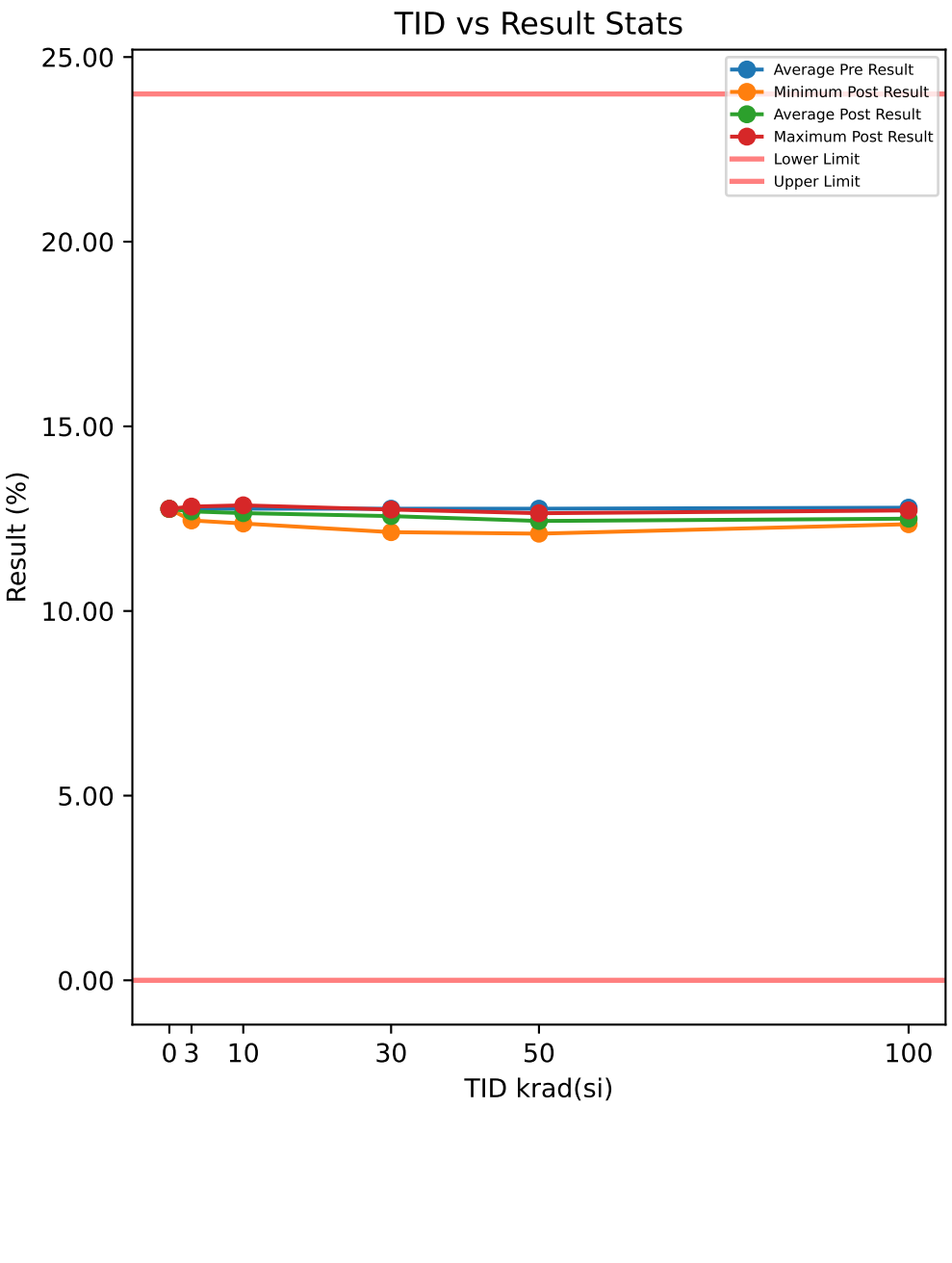

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 13.133 | 13.133 | 0 |
| 7 | 0 | Correlation | 13.138 | 13.138 | 0 |
| 16 | 3 | LDR-Biased | 13.193 | 12.854 | -0.339 |
| 18 | 3 | LDR-Biased | 13.12 | 12.921 | -0.199 |
| 19 | 3 | LDR-Biased | 13.173 | 13.168 | -0.005 |
| 20 | 3 | LDR-Biased | 13.13 | 12.973 | -0.157 |
| 21 | 3 | LDR-Biased | 13.176 | 13.221 | 0.045 |
| 22 | 3 | LDR-Unbiased | 13.041 | 13.163 | 0.122 |
| 23 | 3 | LDR-Unbiased | 13.127 | 13.19 | 0.063 |
| 25 | 3 | LDR-Unbiased | 13.122 | 13.012 | -0.11 |
| 26 | 3 | LDR-Unbiased | 13.229 | 13.112 | -0.117 |
| 27 | 3 | LDR-Unbiased | 13.141 | 13.2 | 0.059 |
| 46 | 10 | LDR-Biased | 13.193 | 12.769 | -0.424 |
| 48 | 10 | LDR-Biased | 13.12 | 12.813 | -0.307 |
| 49 | 10 | LDR-Biased | 13.173 | 13.043 | -0.13 |
| 50 | 10 | LDR-Biased | 13.13 | 12.864 | -0.266 |
| 51 | 10 | LDR-Biased | 13.176 | 13.124 | -0.052 |
| 52 | 10 | LDR-Unbiased | 13.041 | 13.194 | 0.153 |
| 53 | 10 | LDR-Unbiased | 13.127 | 13.202 | 0.075 |
| 55 | 10 | LDR-Unbiased | 13.122 | 13.02 | -0.102 |
| 56 | 10 | LDR-Unbiased | 13.229 | 13.096 | -0.133 |
| 57 | 10 | LDR-Unbiased | 13.141 | 13.191 | 0.05 |
| 76 | 30 | LDR-Biased | 13.193 | 12.801 | -0.392 |
| 78 | 30 | LDR-Biased | 13.12 | 12.535 | -0.585 |
| 79 | 30 | LDR-Biased | 13.173 | 13.065 | -0.108 |
| 80 | 30 | LDR-Biased | 13.13 | 12.899 | -0.231 |
| 81 | 30 | LDR-Biased | 13.176 | 13.063 | -0.113 |
| 82 | 30 | LDR-Unbiased | 13.041 | 13.079 | 0.038 |
| 83 | 30 | LDR-Unbiased | 13.127 | 13.092 | -0.035 |
| 84 | 30 | LDR-Unbiased | 13.141 | 13.063 | -0.078 |
| 85 | 30 | LDR-Unbiased | 13.122 | 12.905 | -0.217 |
| 86 | 30 | LDR-Unbiased | 13.229 | 12.995 | -0.234 |
| 87 | 100 | LDR-Biased | 13.268 | 12.789 | -0.479 |
| 88 | 100 | LDR-Biased | 13.268 | 13.065 | -0.203 |
| 90 | 100 | LDR-Biased | 13.14 | 13.082 | -0.058 |
| 91 | 100 | LDR-Unbiased | 12.999 | 12.708 | -0.291 |
| 93 | 100 | LDR-Unbiased | 13.177 | 12.836 | -0.341 |
| 94 | 100 | LDR-Unbiased | 13.199 | 12.831 | -0.368 |
| 95 | 100 | LDR-Unbiased | 13.051 | 12.894 | -0.157 |
| 96 | 100 | LDR-Unbiased | 13.15 | 12.709 | -0.441 |
| 106 | 50 | LDR-Biased | 13.193 | 12.484 | -0.709 |
| 108 | 50 | LDR-Biased | 13.12 | 12.647 | -0.473 |
| 109 | 50 | LDR-Biased | 13.173 | 12.901 | -0.272 |
| 110 | 50 | LDR-Biased | 13.13 | 12.505 | -0.625 |
| 111 | 50 | LDR-Biased | 13.176 | 12.957 | -0.219 |
| 112 | 50 | LDR-Unbiased | 13.041 | 12.977 | -0.064 |
| 113 | 50 | LDR-Unbiased | 13.127 | 12.977 | -0.15 |
| 115 | 50 | LDR-Unbiased | 13.122 | 12.801 | -0.321 |
| 116 | 50 | LDR-Unbiased | 13.229 | 12.916 | -0.313 |
| 117 | 50 | LDR-Unbiased | 13.141 | 12.972 | -0.169 |

Test Statistics (%)

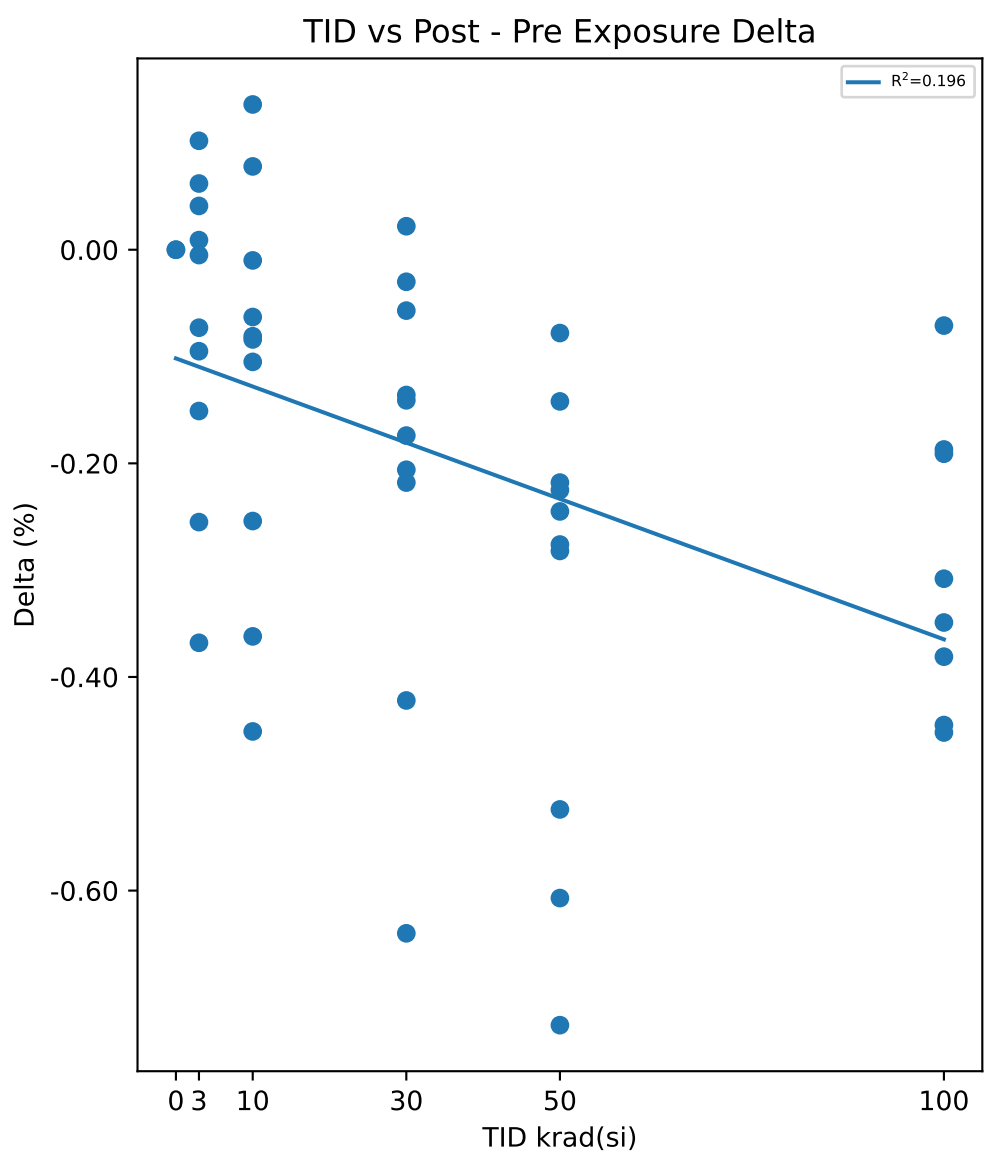
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.133 | 13.136 | 13.138 | 0.0035355 | 13.133 | 13.136 | 13.138 | 0.0035355 | 0 | 0 | 0 | 0 |
| 3 | 13.041 | 13.145 | 13.229 | 0.051251 | 12.854 | 13.081 | 13.221 | 0.131 | -0.339 | -0.0638 | 0.122 | 0.14478 |
| 10 | 13.041 | 13.145 | 13.229 | 0.051251 | 12.769 | 13.032 | 13.202 | 0.16282 | -0.424 | -0.1136 | 0.153 | 0.18103 |
| 30 | 13.041 | 13.145 | 13.229 | 0.051251 | 12.535 | 12.95 | 13.092 | 0.17532 | -0.585 | -0.1955 | 0.038 | 0.18321 |
| 50 | 13.041 | 13.145 | 13.229 | 0.051251 | 12.484 | 12.814 | 12.977 | 0.19691 | -0.709 | -0.3315 | -0.064 | 0.20982 |
| 100 | 12.999 | 13.157 | 13.268 | 0.095125 | 12.708 | 12.864 | 13.082 | 0.14377 | -0.479 | -0.29225 | -0.058 | 0.14454 |

# Device Test: 6.103 VOL_10mA_EN4/EN4/1.6/3/0/0/10/@VOL_EN_10MA




Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

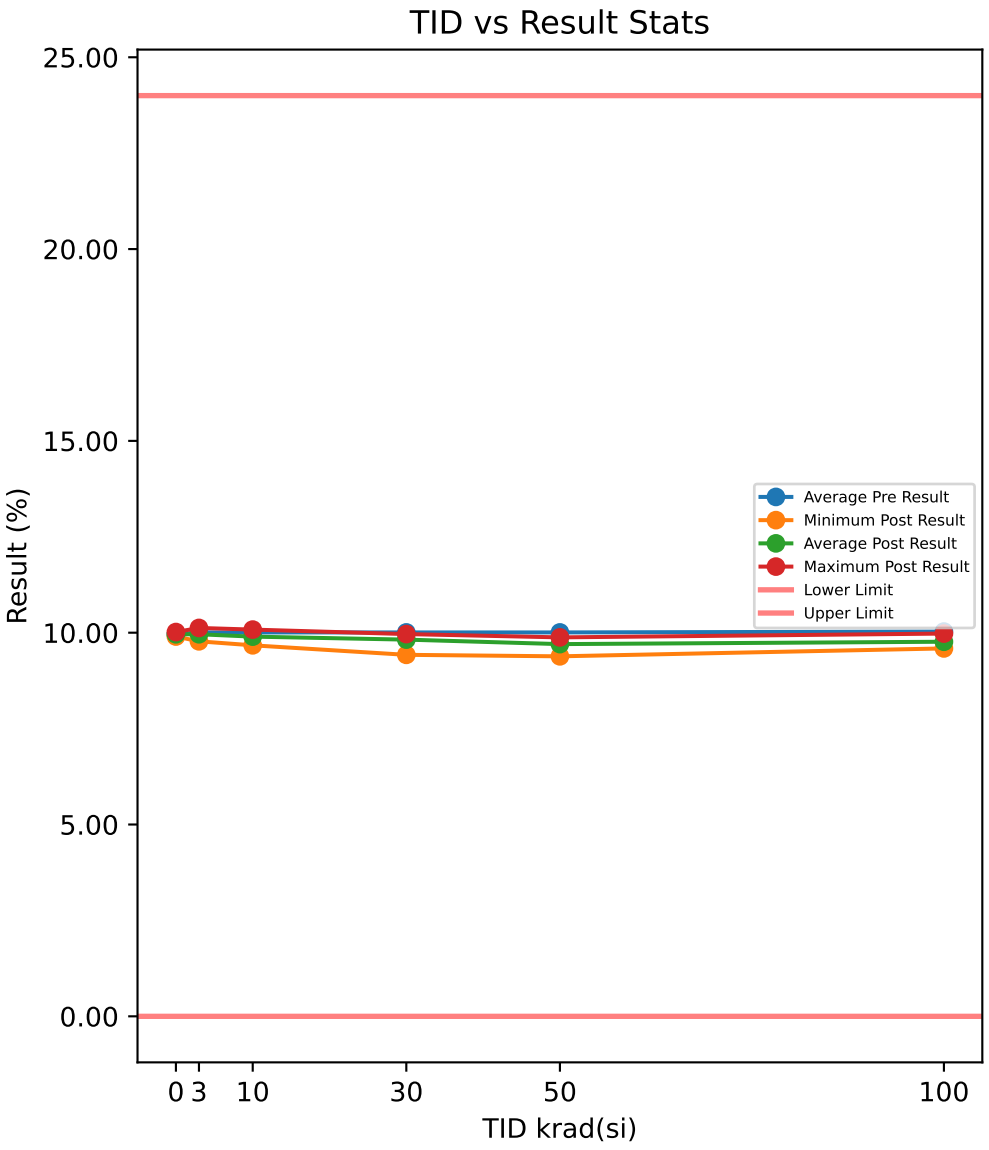
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.768 | 12.768 | 0 |
| 7 | 0 | Correlation | 12.761 | 12.761 | 0 |
| 16 | 3 | LDR-Biased | 12.82 | 12.452 | -0.368 |
| 18 | 3 | LDR-Biased | 12.775 | 12.52 | -0.255 |
| 19 | 3 | LDR-Biased | 12.755 | 12.796 | 0.041 |
| 20 | 3 | LDR-Biased | 12.741 | 12.59 | -0.151 |
| 21 | 3 | LDR-Biased | 12.81 | 12.819 | 0.009 |
| 22 | 3 | LDR-Unbiased | 12.725 | 12.827 | 0.102 |
| 23 | 3 | LDR-Unbiased | 12.724 | 12.786 | 0.062 |
| 25 | 3 | LDR-Unbiased | 12.719 | 12.646 | -0.073 |
| 26 | 3 | LDR-Unbiased | 12.836 | 12.741 | -0.095 |
| 27 | 3 | LDR-Unbiased | 12.793 | 12.788 | -0.005 |
| 46 | 10 | LDR-Biased | 12.82 | 12.369 | -0.451 |
| 48 | 10 | LDR-Biased | 12.775 | 12.413 | -0.362 |
| 49 | 10 | LDR-Biased | 12.755 | 12.674 | -0.081 |
| 50 | 10 | LDR-Biased | 12.741 | 12.487 | -0.254 |
| 51 | 10 | LDR-Biased | 12.81 | 12.726 | -0.084 |
| 52 | 10 | LDR-Unbiased | 12.725 | 12.861 | 0.136 |
| 53 | 10 | LDR-Unbiased | 12.724 | 12.802 | 0.078 |
| 55 | 10 | LDR-Unbiased | 12.719 | 12.656 | -0.063 |
| 56 | 10 | LDR-Unbiased | 12.836 | 12.731 | -0.105 |
| 57 | 10 | LDR-Unbiased | 12.793 | 12.783 | -0.01 |
| 76 | 30 | LDR-Biased | 12.82 | 12.398 | -0.422 |
| 78 | 30 | LDR-Biased | 12.775 | 12.135 | -0.64 |
| 79 | 30 | LDR-Biased | 12.755 | 12.698 | -0.057 |
| 80 | 30 | LDR-Biased | 12.741 | 12.523 | -0.218 |
| 81 | 30 | LDR-Biased | 12.81 | 12.669 | -0.141 |
| 82 | 30 | LDR-Unbiased | 12.725 | 12.747 | 0.022 |
| 83 | 30 | LDR-Unbiased | 12.724 | 12.694 | -0.03 |
| 84 | 30 | LDR-Unbiased | 12.793 | 12.657 | -0.136 |
| 85 | 30 | LDR-Unbiased | 12.719 | 12.545 | -0.174 |
| 86 | 30 | LDR-Unbiased | 12.836 | 12.63 | -0.206 |
| 87 | 100 | LDR-Biased | 12.881 | 12.436 | -0.445 |
| 88 | 100 | LDR-Biased | 12.892 | 12.705 | -0.187 |
| 90 | 100 | LDR-Biased | 12.794 | 12.723 | -0.071 |
| 91 | 100 | LDR-Unbiased | 12.685 | 12.377 | -0.308 |
| 93 | 100 | LDR-Unbiased | 12.812 | 12.463 | -0.349 |
| 94 | 100 | LDR-Unbiased | 12.827 | 12.446 | -0.381 |
| 95 | 100 | LDR-Unbiased | 12.686 | 12.495 | -0.191 |
| 96 | 100 | LDR-Unbiased | 12.802 | 12.35 | -0.452 |
| 106 | 50 | LDR-Biased | 12.82 | 12.094 | -0.726 |
| 108 | 50 | LDR-Biased | 12.775 | 12.251 | -0.524 |
| 109 | 50 | LDR-Biased | 12.755 | 12.537 | -0.218 |
| 110 | 50 | LDR-Biased | 12.741 | 12.134 | -0.607 |
| 111 | 50 | LDR-Biased | 12.81 | 12.565 | -0.245 |
| 112 | 50 | LDR-Unbiased | 12.725 | 12.647 | -0.078 |
| 113 | 50 | LDR-Unbiased | 12.724 | 12.582 | -0.142 |
| 115 | 50 | LDR-Unbiased | 12.719 | 12.443 | -0.276 |
| 116 | 50 | LDR-Unbiased | 12.836 | 12.554 | -0.282 |
| 117 | 50 | LDR-Unbiased | 12.793 | 12.568 | -0.225 |

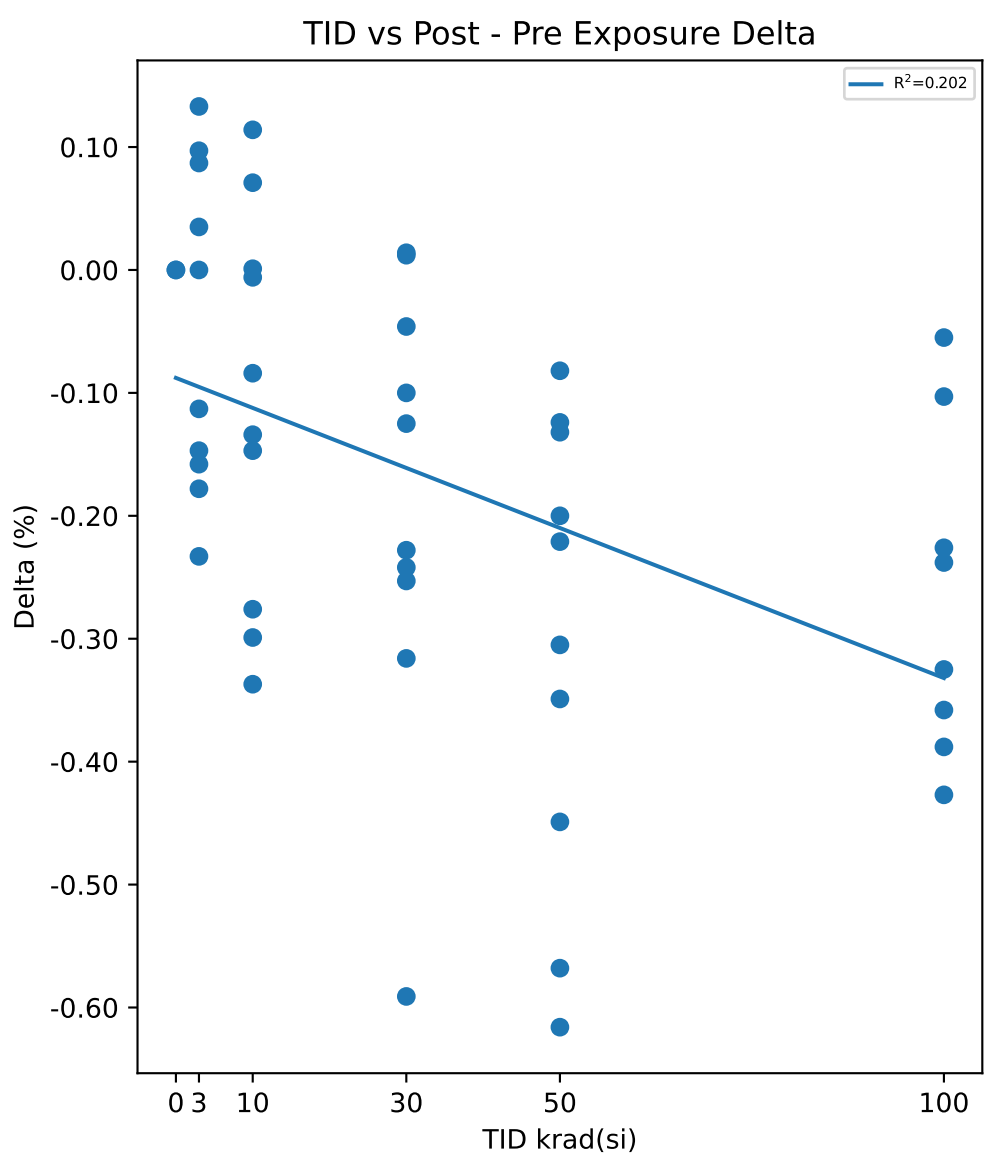



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.761 | 12.764 | 12.768 | 0.0049497 | 12.761 | 12.764 | 12.768 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 12.719 | 12.77 | 12.836 | 0.043228 | 12.452 | 12.697 | 12.827 | 0.13545 | -0.368 | -0.0733 | 0.102 | 0.14904 |
| 10 | 12.719 | 12.77 | 12.836 | 0.043228 | 12.369 | 12.65 | 12.861 | 0.16995 | -0.451 | -0.1196 | 0.136 | 0.18536 |
| 30 | 12.719 | 12.77 | 12.836 | 0.043228 | 12.135 | 12.57 | 12.747 | 0.1843 | -0.64 | -0.2002 | 0.022 | 0.19724 |
| 50 | 12.719 | 12.77 | 12.836 | 0.043228 | 12.094 | 12.438 | 12.647 | 0.20178 | -0.726 | -0.3323 | -0.078 | 0.21239 |
| 100 | 12.685 | 12.797 | 12.892 | 0.077555 | 12.35 | 12.499 | 12.723 | 0.1403 | -0.452 | -0.298 | -0.071 | 0.13639 |

# Device Test: 6.104 VOL_10mA_SEQ/SEQ_DONE/1.6/3/0/0/10/@VOL_SEQ_DONE_10MA



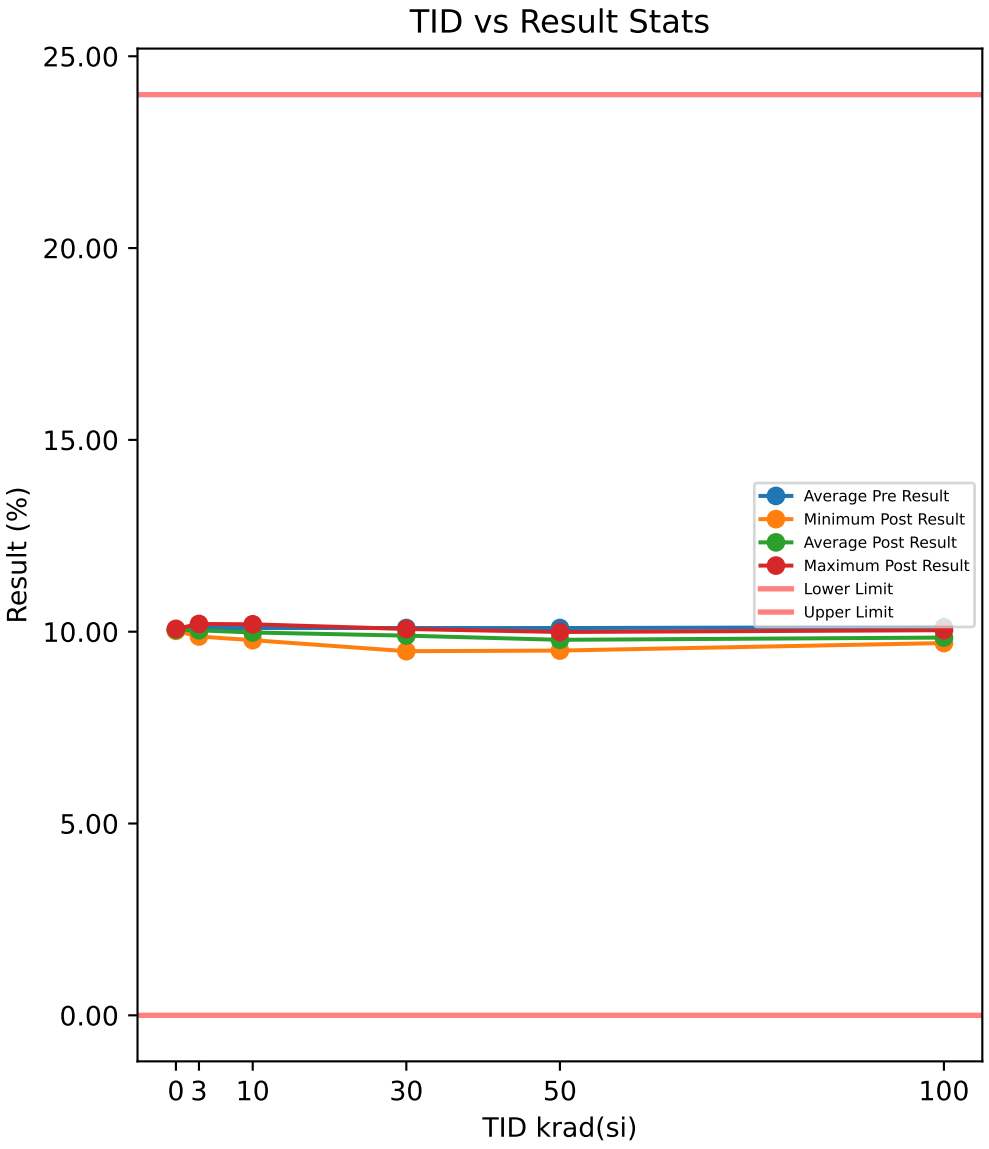

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

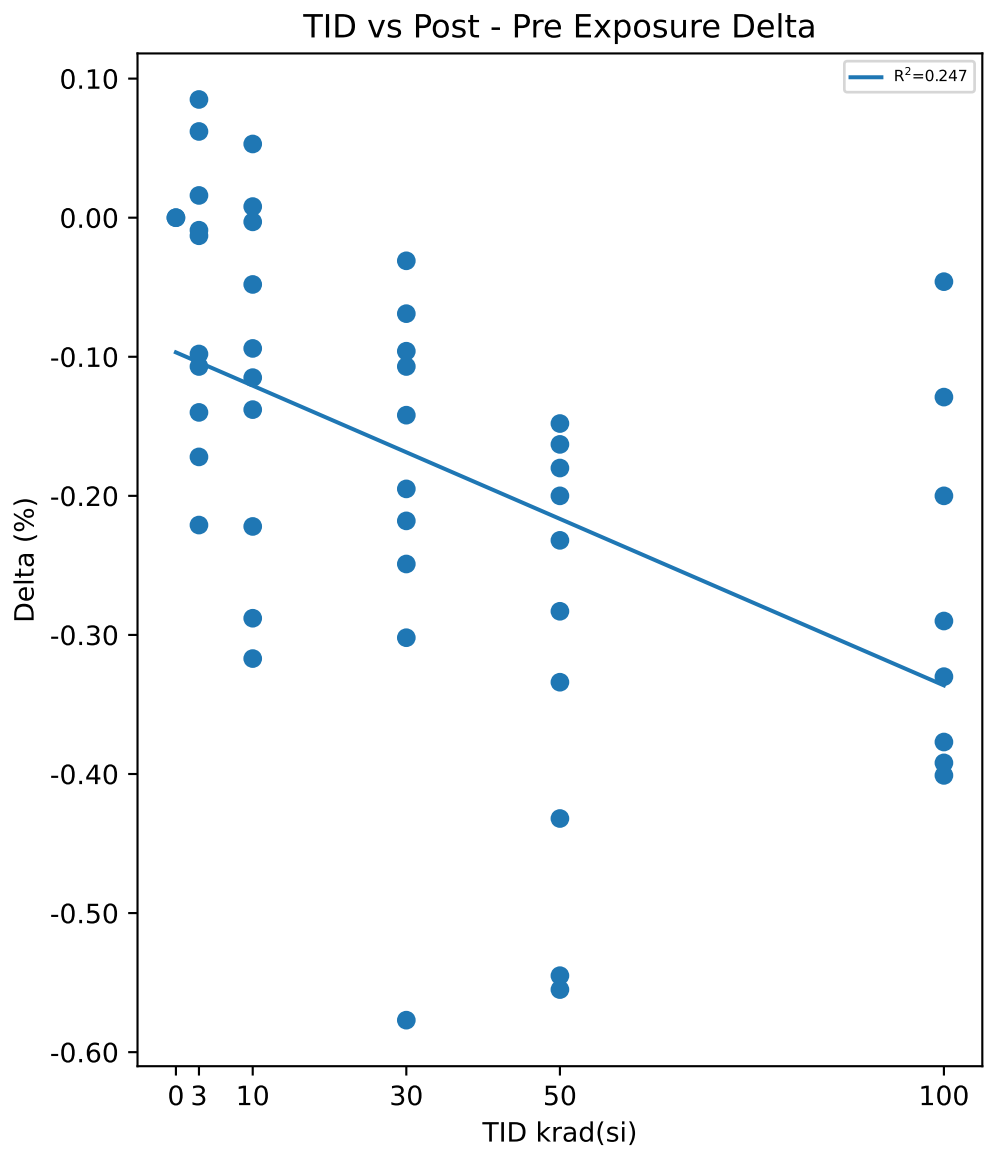
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 10.017 | 10.017 | 0 |
| 7 | 0 | Correlation | 9.9 | 9.9 | 0 |
| 16 | 3 | LDR-Biased | 10.008 | 9.775 | -0.233 |
| 18 | 3 | LDR-Biased | 10.014 | 9.836 | -0.178 |
| 19 | 3 | LDR-Biased | 9.94 | 10.073 | 0.133 |
| 20 | 3 | LDR-Biased | 10 | 9.842 | -0.158 |
| 21 | 3 | LDR-Biased | 10.089 | 10.124 | 0.035 |
| 22 | 3 | LDR-Unbiased | 9.945 | 10.042 | 0.097 |
| 23 | 3 | LDR-Unbiased | 9.995 | 9.995 | 0 |
| 25 | 3 | LDR-Unbiased | 9.981 | 9.834 | -0.147 |
| 26 | 3 | LDR-Unbiased | 10.089 | 9.976 | -0.113 |
| 27 | 3 | LDR-Unbiased | 10.01 | 10.097 | 0.087 |
| 46 | 10 | LDR-Biased | 10.008 | 9.671 | -0.337 |
| 48 | 10 | LDR-Biased | 10.014 | 9.715 | -0.299 |
| 49 | 10 | LDR-Biased | 9.94 | 9.934 | -0.006 |
| 50 | 10 | LDR-Biased | 10 | 9.724 | -0.276 |
| 51 | 10 | LDR-Biased | 10.089 | 10.005 | -0.084 |
| 52 | 10 | LDR-Unbiased | 9.945 | 10.059 | 0.114 |
| 53 | 10 | LDR-Unbiased | 9.995 | 9.996 | 0.001 |
| 55 | 10 | LDR-Unbiased | 9.981 | 9.834 | -0.147 |
| 56 | 10 | LDR-Unbiased | 10.089 | 9.955 | -0.134 |
| 57 | 10 | LDR-Unbiased | 10.01 | 10.081 | 0.071 |
| 76 | 30 | LDR-Biased | 10.008 | 9.692 | -0.316 |
| 78 | 30 | LDR-Biased | 10.014 | 9.423 | -0.591 |
| 79 | 30 | LDR-Biased | 9.94 | 9.954 | 0.014 |
| 80 | 30 | LDR-Biased | 10 | 9.758 | -0.242 |
| 81 | 30 | LDR-Biased | 10.089 | 9.964 | -0.125 |
| 82 | 30 | LDR-Unbiased | 9.945 | 9.957 | 0.012 |
| 83 | 30 | LDR-Unbiased | 9.995 | 9.895 | -0.1 |
| 84 | 30 | LDR-Unbiased | 10.01 | 9.964 | -0.046 |
| 85 | 30 | LDR-Unbiased | 9.981 | 9.728 | -0.253 |
| 86 | 30 | LDR-Unbiased | 10.089 | 9.861 | -0.228 |
| 87 | 100 | LDR-Biased | 10.137 | 9.71 | -0.427 |
| 88 | 100 | LDR-Biased | 10.065 | 9.962 | -0.103 |
| 90 | 100 | LDR-Biased | 10.032 | 9.977 | -0.055 |
| 91 | 100 | LDR-Unbiased | 9.915 | 9.59 | -0.325 |
| 93 | 100 | LDR-Unbiased | 10.09 | 9.702 | -0.388 |
| 94 | 100 | LDR-Unbiased | 10.014 | 9.788 | -0.226 |
| 95 | 100 | LDR-Unbiased | 9.965 | 9.727 | -0.238 |
| 96 | 100 | LDR-Unbiased | 10.017 | 9.659 | -0.358 |
| 106 | 50 | LDR-Biased | 10.008 | 9.44 | -0.568 |
| 108 | 50 | LDR-Biased | 10.014 | 9.565 | -0.449 |
| 109 | 50 | LDR-Biased | 9.94 | 9.816 | -0.124 |
| 110 | 50 | LDR-Biased | 10 | 9.384 | -0.616 |
| 111 | 50 | LDR-Biased | 10.089 | 9.868 | -0.221 |
| 112 | 50 | LDR-Unbiased | 9.945 | 9.863 | -0.082 |
| 113 | 50 | LDR-Unbiased | 9.995 | 9.795 | -0.2 |
| 115 | 50 | LDR-Unbiased | 9.981 | 9.632 | -0.349 |
| 116 | 50 | LDR-Unbiased | 10.089 | 9.784 | -0.305 |
| 117 | 50 | LDR-Unbiased | 10.01 | 9.878 | -0.132 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 9.9 | 9.9585 | 10.017 | 0.082731 | 9.9 | 9.9585 | 10.017 | 0.082731 | 0 | 0 | 0 | 0 |
| 3 | 9.94 | 10.007 | 10.089 | 0.050232 | 9.775 | 9.9594 | 10.124 | 0.12738 | -0.233 | -0.0477 | 0.133 | 0.13269 |
| 10 | 9.94 | 10.007 | 10.089 | 0.050232 | 9.671 | 9.8974 | 10.081 | 0.1507 | -0.337 | -0.1097 | 0.114 | 0.15759 |
| 30 | 9.94 | 10.007 | 10.089 | 0.050232 | 9.423 | 9.8196 | 9.964 | 0.17378 | -0.591 | -0.1875 | 0.014 | 0.18264 |
| 50 | 9.94 | 10.007 | 10.089 | 0.050232 | 9.384 | 9.7025 | 9.878 | 0.18447 | -0.616 | -0.3046 | -0.082 | 0.18828 |
| 100 | 9.915 | 10.029 | 10.137 | 0.069847 | 9.59 | 9.7644 | 9.977 | 0.13866 | -0.427 | -0.265 | -0.055 | 0.13428 |

# Device Test: 6.105 VOL_10mA_PWRGD/PWRGD/1.6/3/0/0/10/@VOL_PWRGD_10MA



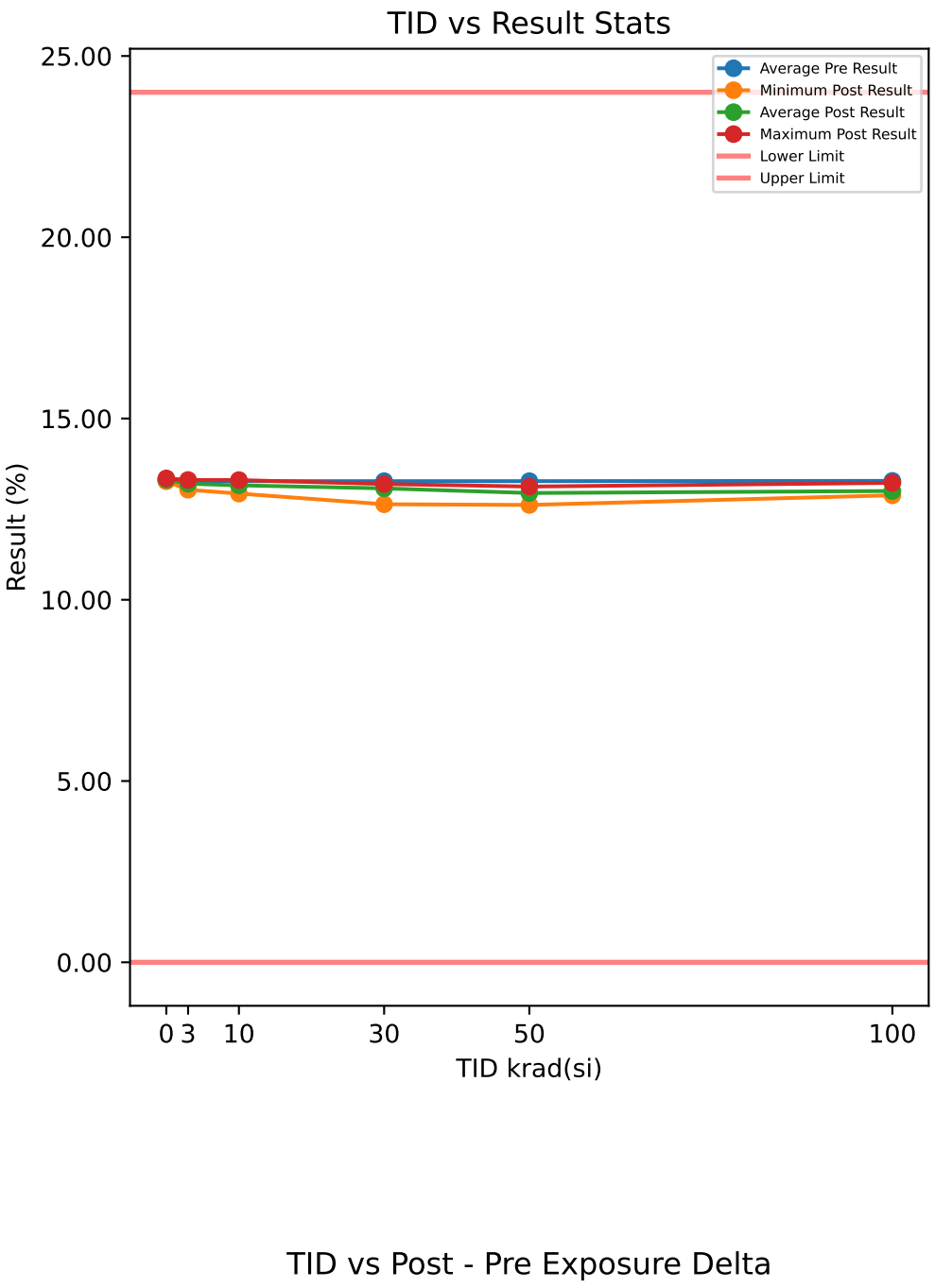

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

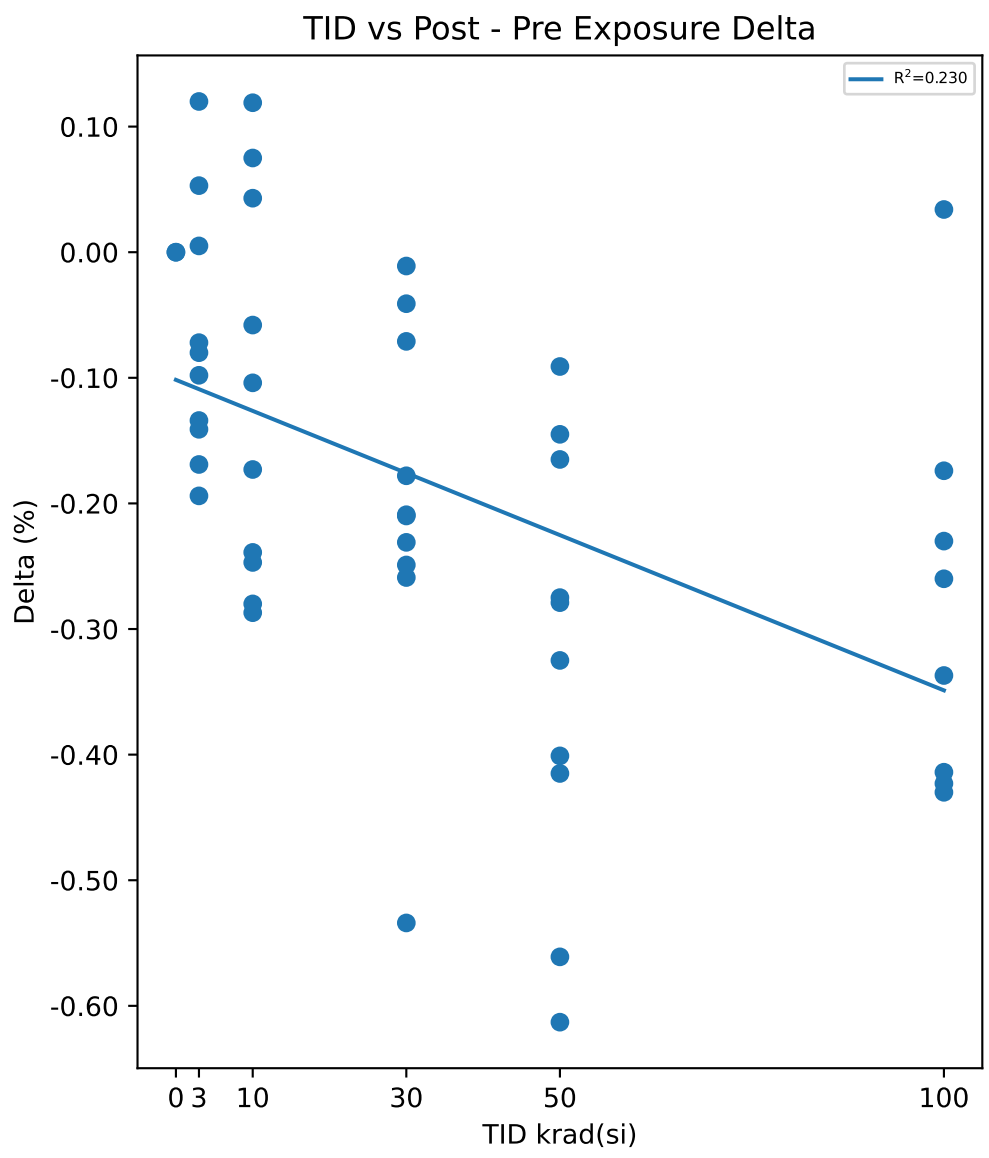
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 10.073 | 10.073 | 0 |
| 7 | 0 | Correlation | 10.022 | 10.022 | 0 |
| 16 | 3 | LDR-Biased | 10.096 | 9.875 | -0.221 |
| 18 | 3 | LDR-Biased | 10.069 | 9.897 | -0.172 |
| 19 | 3 | LDR-Biased | 10.075 | 10.16 | 0.085 |
| 20 | 3 | LDR-Biased | 10.063 | 9.956 | -0.107 |
| 21 | 3 | LDR-Biased | 10.167 | 10.183 | 0.016 |
| 22 | 3 | LDR-Unbiased | 10.064 | 10.051 | -0.013 |
| 23 | 3 | LDR-Unbiased | 10.071 | 10.062 | -0.009 |
| 25 | 3 | LDR-Unbiased | 10.073 | 9.933 | -0.14 |
| 26 | 3 | LDR-Unbiased | 10.14 | 10.042 | -0.098 |
| 27 | 3 | LDR-Unbiased | 10.14 | 10.202 | 0.062 |
| 46 | 10 | LDR-Biased | 10.096 | 9.779 | -0.317 |
| 48 | 10 | LDR-Biased | 10.069 | 9.781 | -0.288 |
| 49 | 10 | LDR-Biased | 10.075 | 10.027 | -0.048 |
| 50 | 10 | LDR-Biased | 10.063 | 9.841 | -0.222 |
| 51 | 10 | LDR-Biased | 10.167 | 10.073 | -0.094 |
| 52 | 10 | LDR-Unbiased | 10.064 | 10.072 | 0.008 |
| 53 | 10 | LDR-Unbiased | 10.071 | 10.068 | -0.003 |
| 55 | 10 | LDR-Unbiased | 10.073 | 9.935 | -0.138 |
| 56 | 10 | LDR-Unbiased | 10.14 | 10.025 | -0.115 |
| 57 | 10 | LDR-Unbiased | 10.14 | 10.193 | 0.053 |
| 76 | 30 | LDR-Biased | 10.096 | 9.794 | -0.302 |
| 78 | 30 | LDR-Biased | 10.069 | 9.492 | -0.577 |
| 79 | 30 | LDR-Biased | 10.075 | 10.044 | -0.031 |
| 80 | 30 | LDR-Biased | 10.063 | 9.868 | -0.195 |
| 81 | 30 | LDR-Biased | 10.167 | 10.025 | -0.142 |
| 82 | 30 | LDR-Unbiased | 10.064 | 9.968 | -0.096 |
| 83 | 30 | LDR-Unbiased | 10.071 | 9.964 | -0.107 |
| 84 | 30 | LDR-Unbiased | 10.14 | 10.071 | -0.069 |
| 85 | 30 | LDR-Unbiased | 10.073 | 9.824 | -0.249 |
| 86 | 30 | LDR-Unbiased | 10.14 | 9.922 | -0.218 |
| 87 | 100 | LDR-Biased | 10.166 | 9.774 | -0.392 |
| 88 | 100 | LDR-Biased | 10.154 | 10.025 | -0.129 |
| 90 | 100 | LDR-Biased | 10.085 | 10.039 | -0.046 |
| 91 | 100 | LDR-Unbiased | 10.034 | 9.704 | -0.33 |
| 93 | 100 | LDR-Unbiased | 10.167 | 9.766 | -0.401 |
| 94 | 100 | LDR-Unbiased | 10.102 | 9.902 | -0.2 |
| 95 | 100 | LDR-Unbiased | 10.085 | 9.795 | -0.29 |
| 96 | 100 | LDR-Unbiased | 10.147 | 9.77 | -0.377 |
| 106 | 50 | LDR-Biased | 10.096 | 9.551 | -0.545 |
| 108 | 50 | LDR-Biased | 10.069 | 9.637 | -0.432 |
| 109 | 50 | LDR-Biased | 10.075 | 9.912 | -0.163 |
| 110 | 50 | LDR-Biased | 10.063 | 9.508 | -0.555 |
| 111 | 50 | LDR-Biased | 10.167 | 9.935 | -0.232 |
| 112 | 50 | LDR-Unbiased | 10.064 | 9.884 | -0.18 |
| 113 | 50 | LDR-Unbiased | 10.071 | 9.871 | -0.2 |
| 115 | 50 | LDR-Unbiased | 10.073 | 9.739 | -0.334 |
| 116 | 50 | LDR-Unbiased | 10.14 | 9.857 | -0.283 |
| 117 | 50 | LDR-Unbiased | 10.14 | 9.992 | -0.148 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 10.022 | 10.047 | 10.073 | 0.036062 | 10.022 | 10.047 | 10.073 | 0.036062 | 0 | 0 | 0 | 0 |
| 3 | 10.063 | 10.096 | 10.167 | 0.038513 | 9.875 | 10.036 | 10.202 | 0.11913 | -0.221 | -0.0597 | 0.085 | 0.10275 |
| 10 | 10.063 | 10.096 | 10.167 | 0.038513 | 9.779 | 9.9794 | 10.193 | 0.13976 | -0.317 | -0.1164 | 0.053 | 0.12628 |
| 30 | 10.063 | 10.096 | 10.167 | 0.038513 | 9.492 | 9.8972 | 10.071 | 0.16971 | -0.577 | -0.1986 | -0.031 | 0.1577 |
| 50 | 10.063 | 10.096 | 10.167 | 0.038513 | 9.508 | 9.7886 | 9.992 | 0.16972 | -0.555 | -0.3072 | -0.148 | 0.15431 |
| 100 | 10.034 | 10.117 | 10.167 | 0.0483 | 9.704 | 9.8469 | 10.039 | 0.1268 | -0.401 | -0.27063 | -0.046 | 0.13226 |

# Device Test: 6.106 VOL_10mA_EN1/EN1/1.6/14/0/0/10/@VOL_EN_10MA



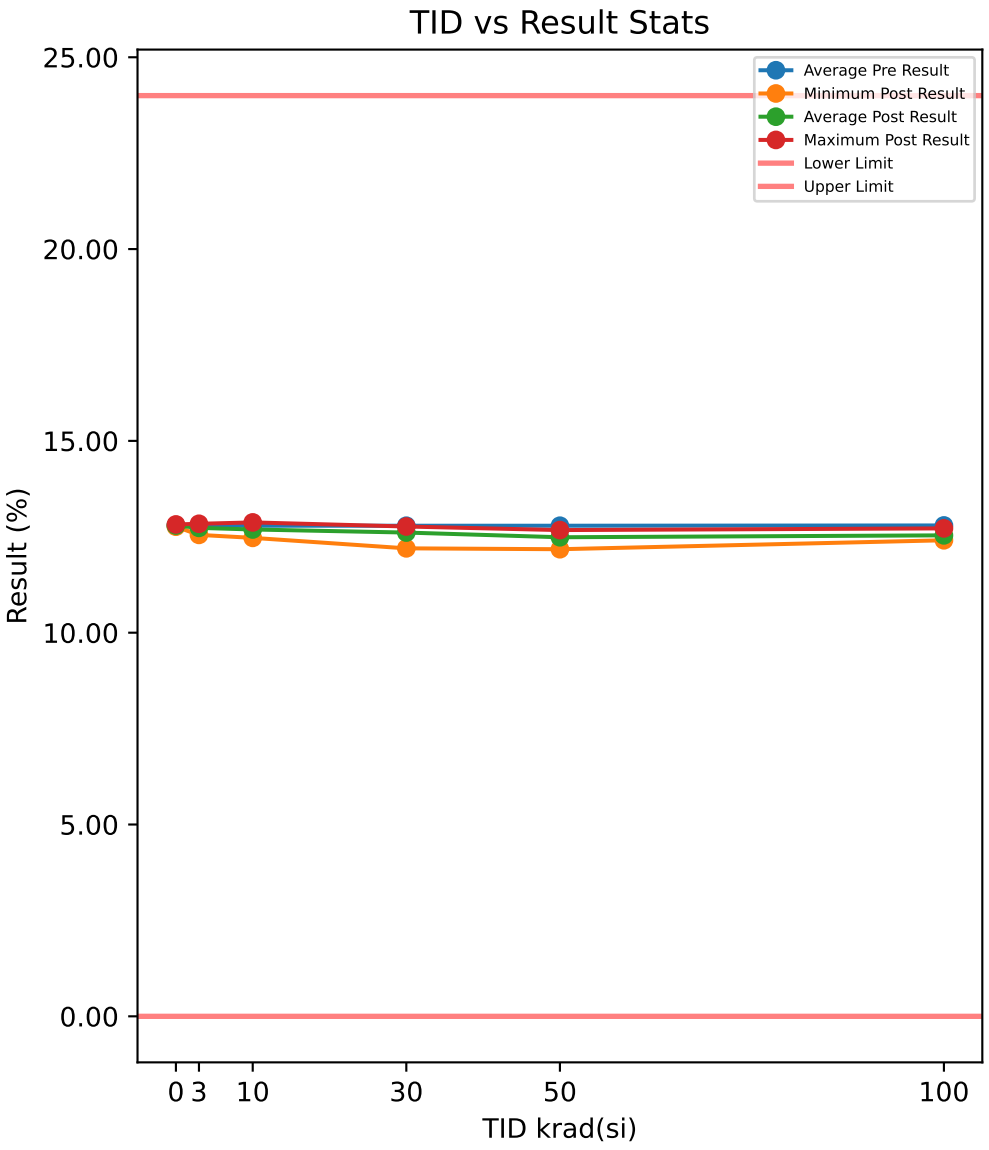

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

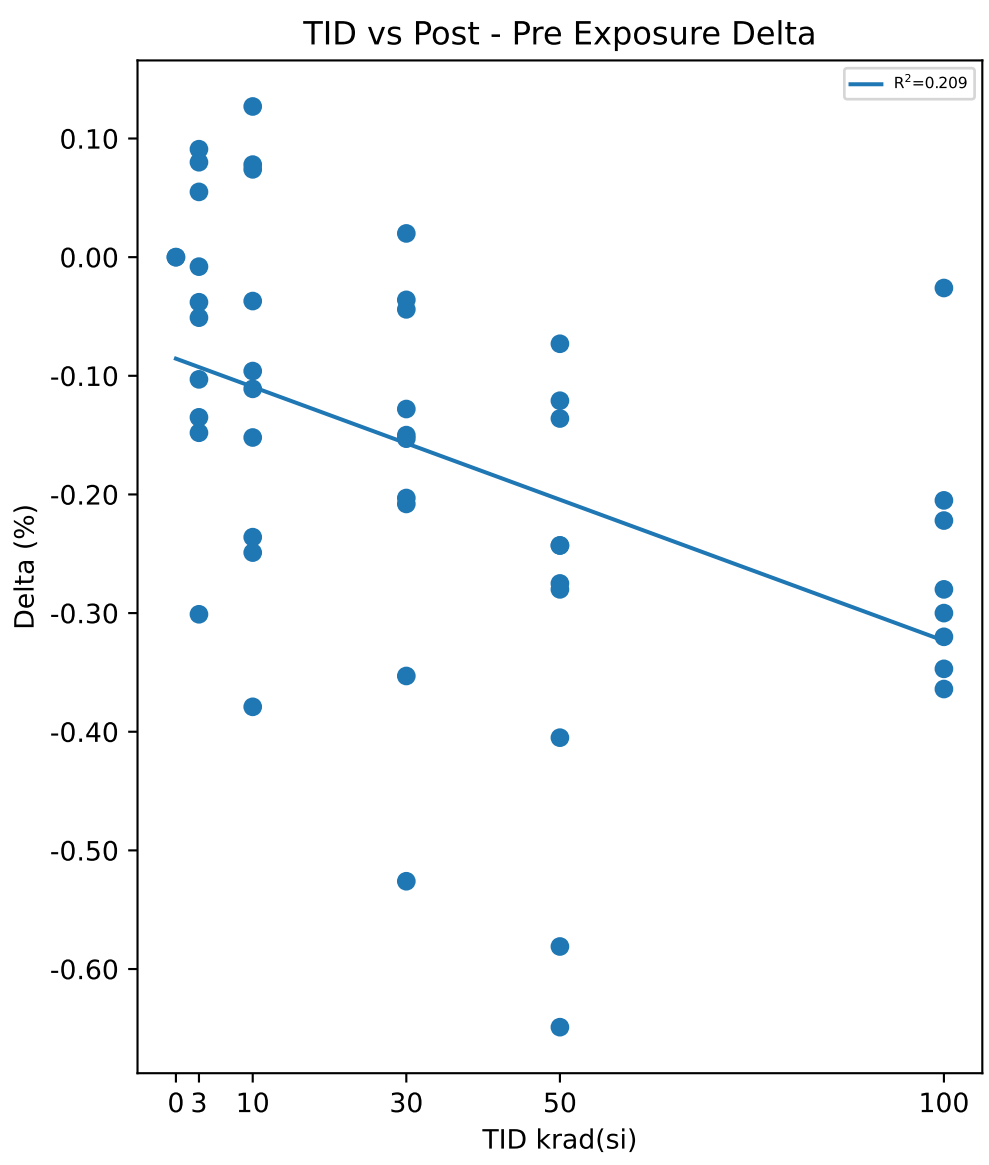
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 13.27 | 13.27 | 0 |
| 7 | 0 | Correlation | 13.348 | 13.348 | 0 |
| 16 | 3 | LDR-Biased | 13.304 | 13.11 | -0.194 |
| 18 | 3 | LDR-Biased | 13.169 | 13.035 | -0.134 |
| 19 | 3 | LDR-Biased | 13.298 | 13.129 | -0.169 |
| 20 | 3 | LDR-Biased | 13.229 | 13.088 | -0.141 |
| 21 | 3 | LDR-Biased | 13.362 | 13.282 | -0.08 |
| 22 | 3 | LDR-Unbiased | 13.259 | 13.264 | 0.005 |
| 23 | 3 | LDR-Unbiased | 13.192 | 13.245 | 0.053 |
| 25 | 3 | LDR-Unbiased | 13.331 | 13.259 | -0.072 |
| 26 | 3 | LDR-Unbiased | 13.402 | 13.304 | -0.098 |
| 27 | 3 | LDR-Unbiased | 13.175 | 13.295 | 0.12 |
| 46 | 10 | LDR-Biased | 13.304 | 13.024 | -0.28 |
| 48 | 10 | LDR-Biased | 13.169 | 12.93 | -0.239 |
| 49 | 10 | LDR-Biased | 13.298 | 13.011 | -0.287 |
| 50 | 10 | LDR-Biased | 13.229 | 12.982 | -0.247 |
| 51 | 10 | LDR-Biased | 13.362 | 13.189 | -0.173 |
| 52 | 10 | LDR-Unbiased | 13.259 | 13.302 | 0.043 |
| 53 | 10 | LDR-Unbiased | 13.192 | 13.267 | 0.075 |
| 55 | 10 | LDR-Unbiased | 13.331 | 13.273 | -0.058 |
| 56 | 10 | LDR-Unbiased | 13.402 | 13.298 | -0.104 |
| 57 | 10 | LDR-Unbiased | 13.175 | 13.294 | 0.119 |
| 76 | 30 | LDR-Biased | 13.304 | 13.055 | -0.249 |
| 78 | 30 | LDR-Biased | 13.169 | 12.635 | -0.534 |
| 79 | 30 | LDR-Biased | 13.298 | 13.039 | -0.259 |
| 80 | 30 | LDR-Biased | 13.229 | 13.019 | -0.21 |
| 81 | 30 | LDR-Biased | 13.362 | 13.131 | -0.231 |
| 82 | 30 | LDR-Unbiased | 13.259 | 13.188 | -0.071 |
| 83 | 30 | LDR-Unbiased | 13.192 | 13.151 | -0.041 |
| 84 | 30 | LDR-Unbiased | 13.175 | 13.164 | -0.011 |
| 85 | 30 | LDR-Unbiased | 13.331 | 13.153 | -0.178 |
| 86 | 30 | LDR-Unbiased | 13.402 | 13.193 | -0.209 |
| 87 | 100 | LDR-Biased | 13.379 | 12.965 | -0.414 |
| 88 | 100 | LDR-Biased | 13.38 | 13.206 | -0.174 |
| 90 | 100 | LDR-Biased | 13.19 | 13.224 | 0.034 |
| 91 | 100 | LDR-Unbiased | 13.219 | 12.882 | -0.337 |
| 93 | 100 | LDR-Unbiased | 13.364 | 12.941 | -0.423 |
| 94 | 100 | LDR-Unbiased | 13.312 | 12.882 | -0.43 |
| 95 | 100 | LDR-Unbiased | 13.21 | 12.98 | -0.23 |
| 96 | 100 | LDR-Unbiased | 13.183 | 12.923 | -0.26 |
| 106 | 50 | LDR-Biased | 13.304 | 12.743 | -0.561 |
| 108 | 50 | LDR-Biased | 13.169 | 12.768 | -0.401 |
| 109 | 50 | LDR-Biased | 13.298 | 12.883 | -0.415 |
| 110 | 50 | LDR-Biased | 13.229 | 12.616 | -0.613 |
| 111 | 50 | LDR-Biased | 13.362 | 13.037 | -0.325 |
| 112 | 50 | LDR-Unbiased | 13.259 | 13.094 | -0.165 |
| 113 | 50 | LDR-Unbiased | 13.192 | 13.047 | -0.145 |
| 115 | 50 | LDR-Unbiased | 13.331 | 13.056 | -0.275 |
| 116 | 50 | LDR-Unbiased | 13.402 | 13.123 | -0.279 |
| 117 | 50 | LDR-Unbiased | 13.175 | 13.084 | -0.091 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 13.27 | 13.309 | 13.348 | 0.055154 | 13.27 | 13.309 | 13.348 | 0.055154 | 0 | 0 | 0 | 0 |
| 3 | 13.169 | 13.272 | 13.402 | 0.080703 | 13.035 | 13.201 | 13.304 | 0.099479 | -0.194 | -0.071 | 0.12 | 0.10113 |
| 10 | 13.169 | 13.272 | 13.402 | 0.080703 | 12.93 | 13.157 | 13.302 | 0.15181 | -0.287 | -0.1151 | 0.119 | 0.15354 |
| 30 | 13.169 | 13.272 | 13.402 | 0.080703 | 12.635 | 13.073 | 13.193 | 0.166 | -0.534 | -0.1993 | -0.011 | 0.14784 |
| 50 | 13.169 | 13.272 | 13.402 | 0.080703 | 12.616 | 12.945 | 13.123 | 0.17908 | -0.613 | -0.327 | -0.091 | 0.17316 |
| 100 | 13.183 | 13.28 | 13.38 | 0.087839 | 12.882 | 13 | 13.224 | 0.13706 | -0.43 | -0.27925 | 0.034 | 0.15896 |

# Device Test: 6.107 VOL_10mA_EN2/EN2/1.6/14/0/0/10/@VOL_EN_10MA



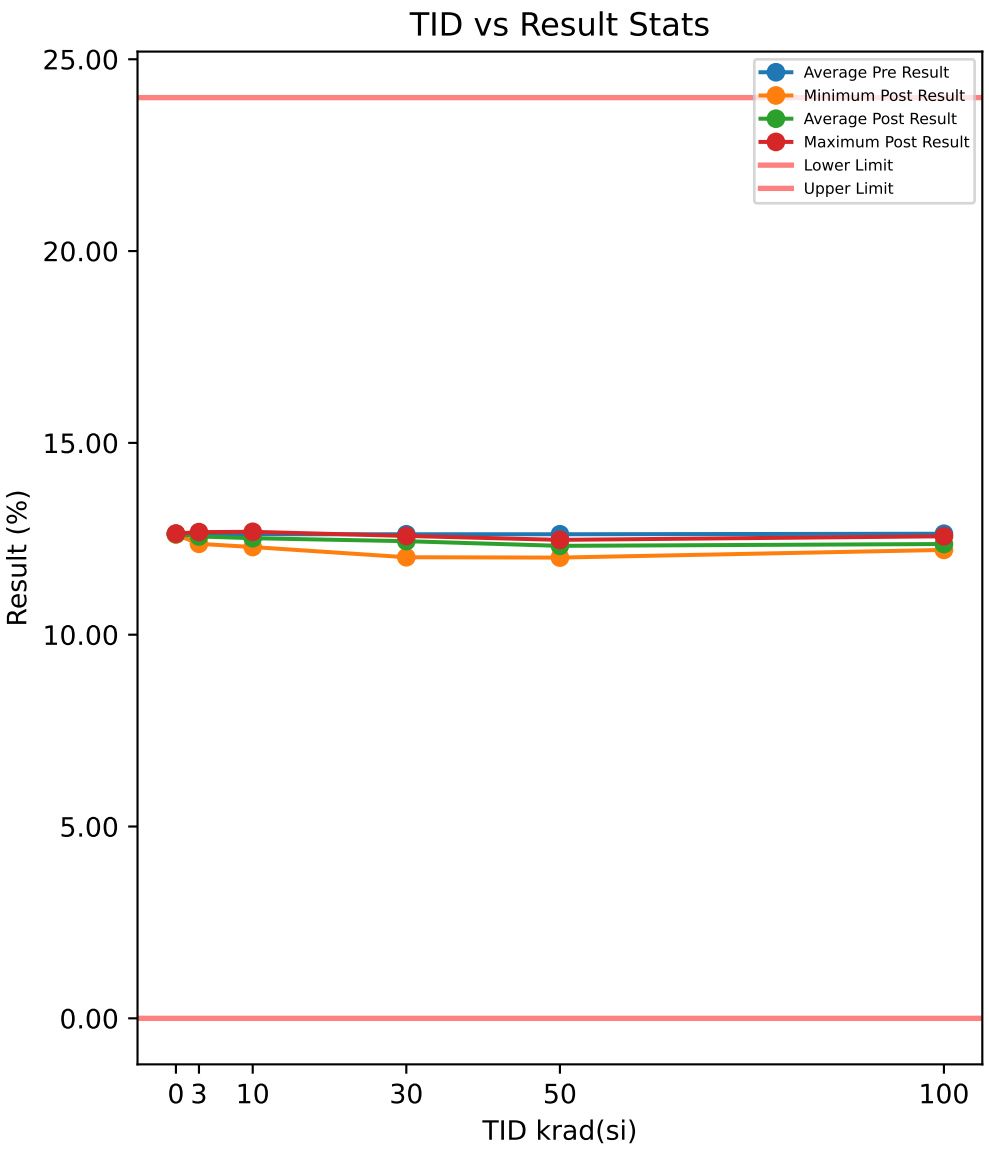

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

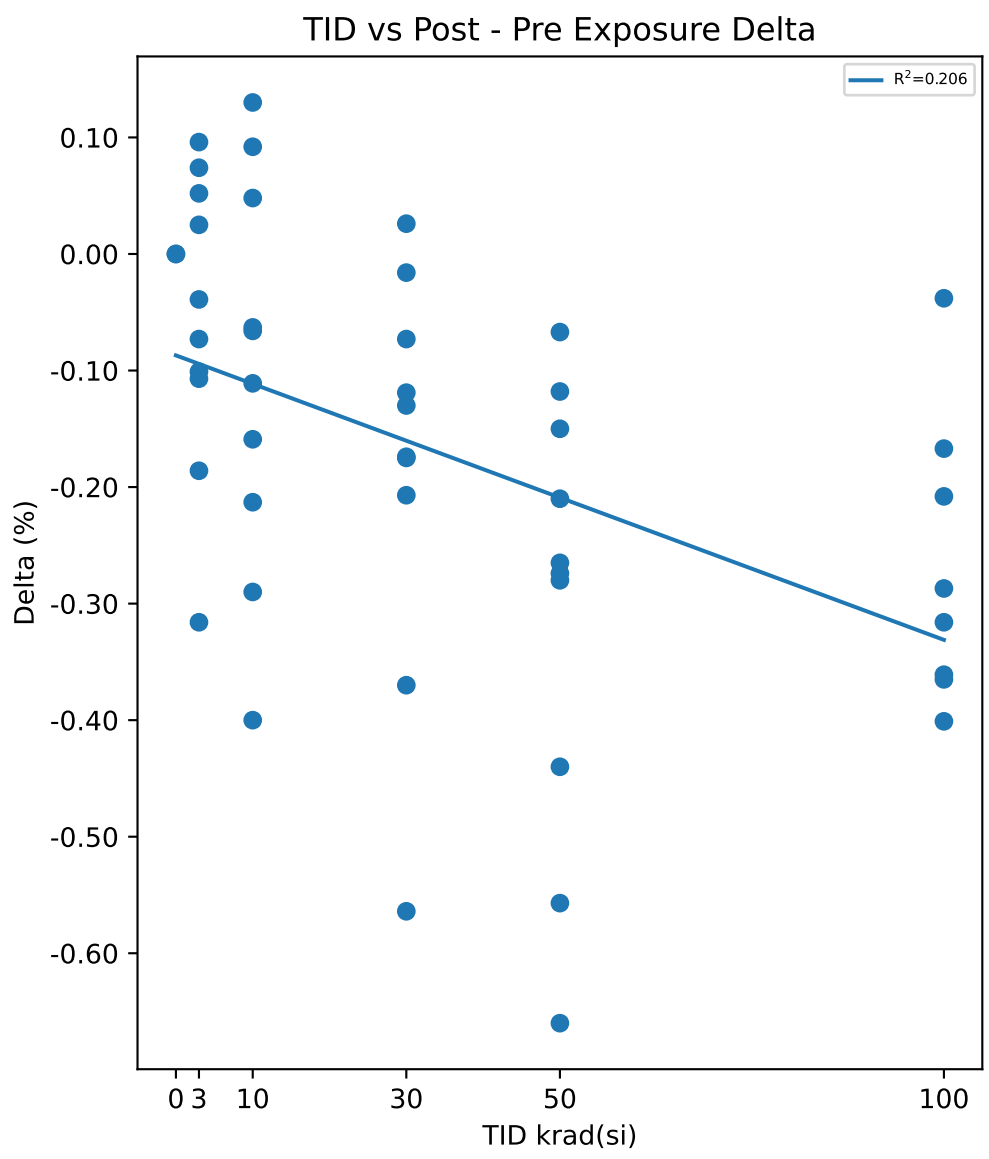
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.763 | 12.763 | 0 |
| 7 | 0 | Correlation | 12.822 | 12.822 | 0 |
| 16 | 3 | LDR-Biased | 12.851 | 12.55 | -0.301 |
| 18 | 3 | LDR-Biased | 12.725 | 12.577 | -0.148 |
| 19 | 3 | LDR-Biased | 12.809 | 12.771 | -0.038 |
| 20 | 3 | LDR-Biased | 12.757 | 12.622 | -0.135 |
| 21 | 3 | LDR-Biased | 12.83 | 12.822 | -0.008 |
| 22 | 3 | LDR-Unbiased | 12.748 | 12.839 | 0.091 |
| 23 | 3 | LDR-Unbiased | 12.764 | 12.819 | 0.055 |
| 25 | 3 | LDR-Unbiased | 12.781 | 12.73 | -0.051 |
| 26 | 3 | LDR-Unbiased | 12.893 | 12.79 | -0.103 |
| 27 | 3 | LDR-Unbiased | 12.727 | 12.807 | 0.08 |
| 46 | 10 | LDR-Biased | 12.851 | 12.472 | -0.379 |
| 48 | 10 | LDR-Biased | 12.725 | 12.476 | -0.249 |
| 49 | 10 | LDR-Biased | 12.809 | 12.657 | -0.152 |
| 50 | 10 | LDR-Biased | 12.757 | 12.521 | -0.236 |
| 51 | 10 | LDR-Biased | 12.83 | 12.734 | -0.096 |
| 52 | 10 | LDR-Unbiased | 12.748 | 12.875 | 0.127 |
| 53 | 10 | LDR-Unbiased | 12.764 | 12.838 | 0.074 |
| 55 | 10 | LDR-Unbiased | 12.781 | 12.744 | -0.037 |
| 56 | 10 | LDR-Unbiased | 12.893 | 12.782 | -0.111 |
| 57 | 10 | LDR-Unbiased | 12.727 | 12.805 | 0.078 |
| 76 | 30 | LDR-Biased | 12.851 | 12.498 | -0.353 |
| 78 | 30 | LDR-Biased | 12.725 | 12.199 | -0.526 |
| 79 | 30 | LDR-Biased | 12.809 | 12.681 | -0.128 |
| 80 | 30 | LDR-Biased | 12.757 | 12.554 | -0.203 |
| 81 | 30 | LDR-Biased | 12.83 | 12.677 | -0.153 |
| 82 | 30 | LDR-Unbiased | 12.748 | 12.768 | 0.02 |
| 83 | 30 | LDR-Unbiased | 12.764 | 12.728 | -0.036 |
| 84 | 30 | LDR-Unbiased | 12.727 | 12.683 | -0.044 |
| 85 | 30 | LDR-Unbiased | 12.781 | 12.631 | -0.15 |
| 86 | 30 | LDR-Unbiased | 12.893 | 12.685 | -0.208 |
| 87 | 100 | LDR-Biased | 12.842 | 12.478 | -0.364 |
| 88 | 100 | LDR-Biased | 12.924 | 12.702 | -0.222 |
| 90 | 100 | LDR-Biased | 12.745 | 12.719 | -0.026 |
| 91 | 100 | LDR-Unbiased | 12.709 | 12.409 | -0.3 |
| 93 | 100 | LDR-Unbiased | 12.832 | 12.512 | -0.32 |
| 94 | 100 | LDR-Unbiased | 12.86 | 12.513 | -0.347 |
| 95 | 100 | LDR-Unbiased | 12.719 | 12.514 | -0.205 |
| 96 | 100 | LDR-Unbiased | 12.735 | 12.455 | -0.28 |
| 106 | 50 | LDR-Biased | 12.851 | 12.202 | -0.649 |
| 108 | 50 | LDR-Biased | 12.725 | 12.32 | -0.405 |
| 109 | 50 | LDR-Biased | 12.809 | 12.529 | -0.28 |
| 110 | 50 | LDR-Biased | 12.757 | 12.176 | -0.581 |
| 111 | 50 | LDR-Biased | 12.83 | 12.587 | -0.243 |
| 112 | 50 | LDR-Unbiased | 12.748 | 12.675 | -0.073 |
| 113 | 50 | LDR-Unbiased | 12.764 | 12.628 | -0.136 |
| 115 | 50 | LDR-Unbiased | 12.781 | 12.538 | -0.243 |
| 116 | 50 | LDR-Unbiased | 12.893 | 12.618 | -0.275 |
| 117 | 50 | LDR-Unbiased | 12.727 | 12.606 | -0.121 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.763 | 12.793 | 12.822 | 0.041719 | 12.763 | 12.793 | 12.822 | 0.041719 | 0 | 0 | 0 | 0 |
| 3 | 12.725 | 12.789 | 12.893 | 0.05585 | 12.55 | 12.733 | 12.839 | 0.10897 | -0.301 | -0.0558 | 0.091 | 0.12111 |
| 10 | 12.725 | 12.789 | 12.893 | 0.05585 | 12.472 | 12.69 | 12.875 | 0.15116 | -0.379 | -0.0981 | 0.127 | 0.16289 |
| 30 | 12.725 | 12.789 | 12.893 | 0.05585 | 12.199 | 12.61 | 12.768 | 0.16479 | -0.526 | -0.1781 | 0.02 | 0.16141 |
| 50 | 12.725 | 12.789 | 12.893 | 0.05585 | 12.176 | 12.488 | 12.675 | 0.18461 | -0.649 | -0.3006 | -0.073 | 0.19142 |
| 100 | 12.709 | 12.796 | 12.924 | 0.079022 | 12.409 | 12.538 | 12.719 | 0.11254 | -0.364 | -0.258 | -0.026 | 0.10901 |

# Device Test: 6.108 VOL_10mA_EN3/EN3/1.6/14/0/0/10/@VOL_EN_10MA



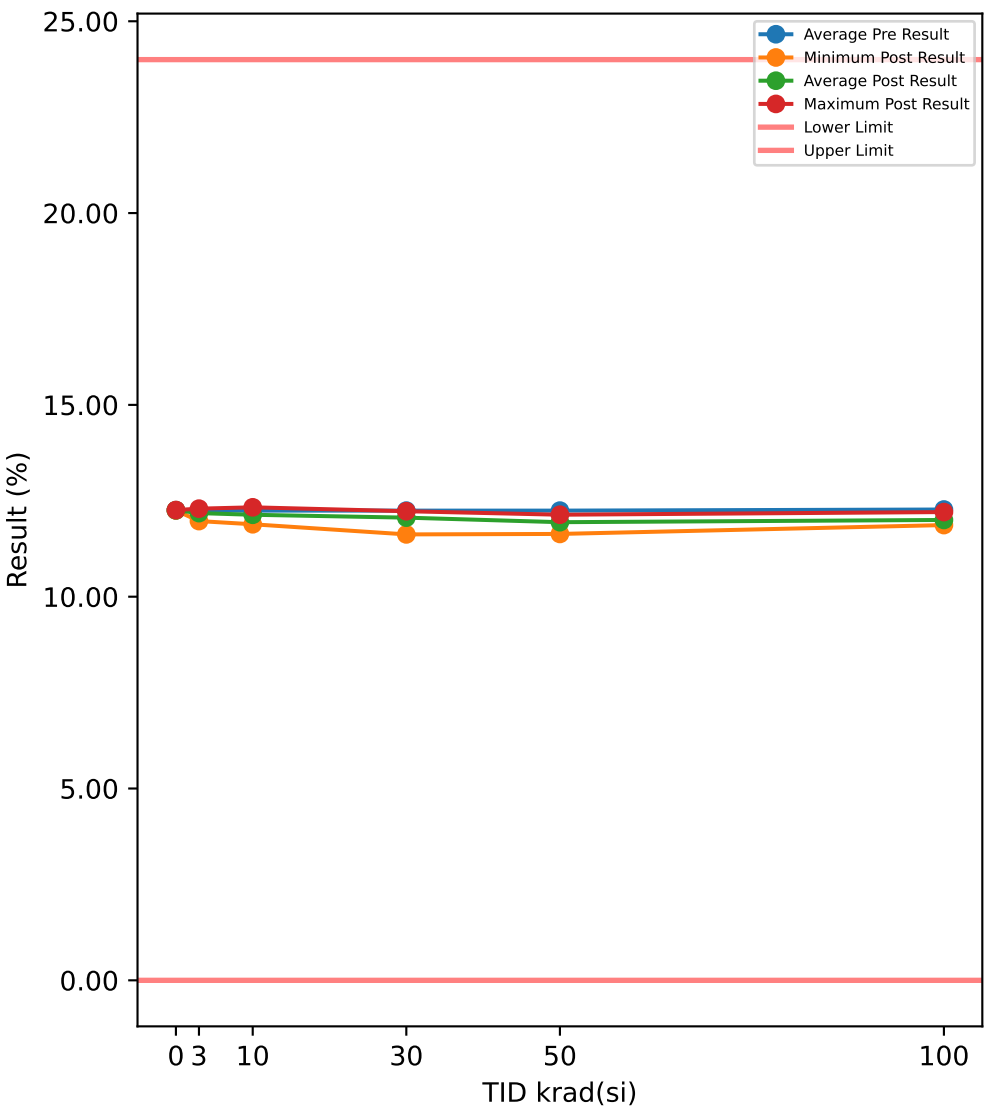

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

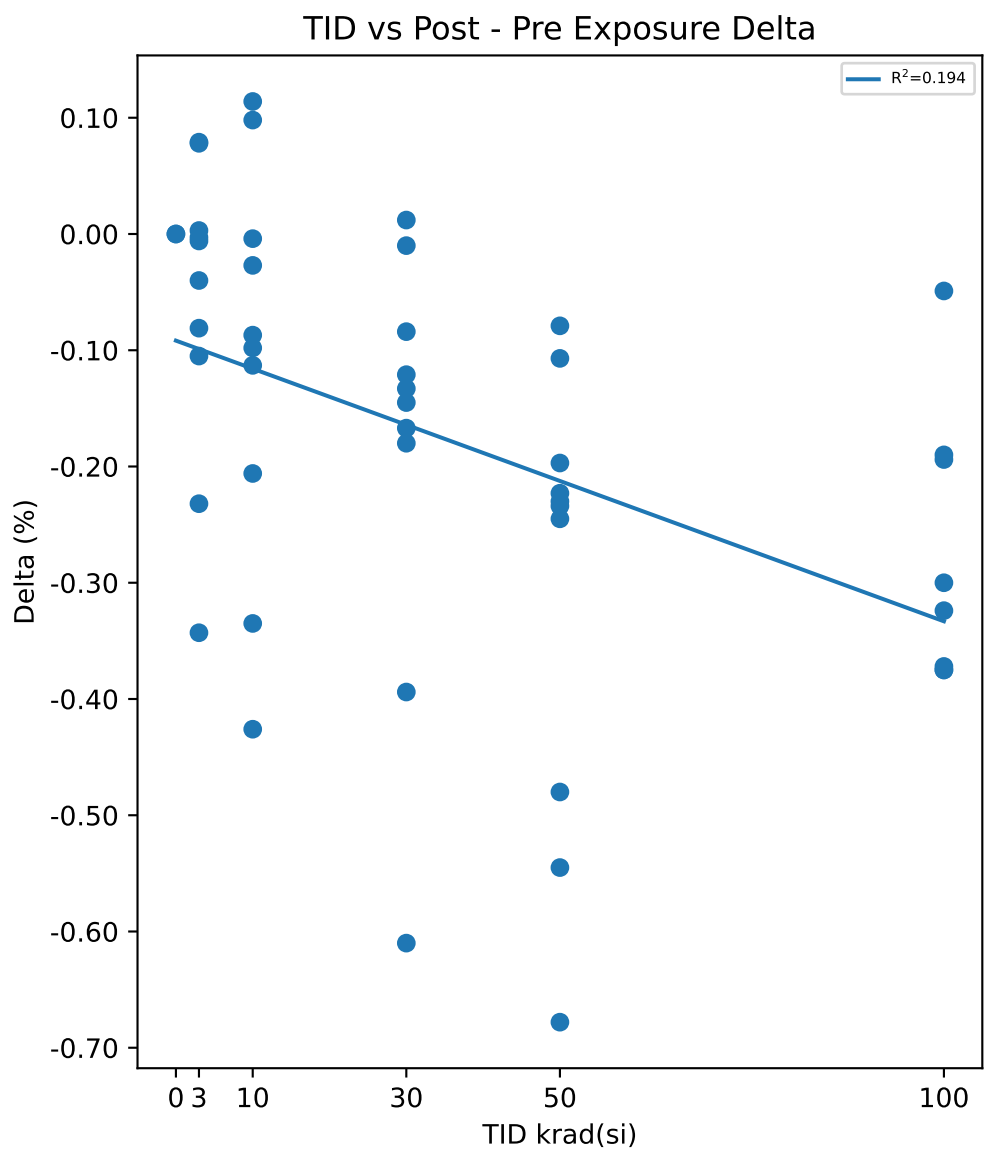
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.612 | 12.612 | 0 |
| 7 | 0 | Correlation | 12.637 | 12.637 | 0 |
| 16 | 3 | LDR-Biased | 12.685 | 12.369 | -0.316 |
| 18 | 3 | LDR-Biased | 12.583 | 12.397 | -0.186 |
| 19 | 3 | LDR-Biased | 12.664 | 12.625 | -0.039 |
| 20 | 3 | LDR-Biased | 12.567 | 12.46 | -0.107 |
| 21 | 3 | LDR-Biased | 12.649 | 12.674 | 0.025 |
| 22 | 3 | LDR-Unbiased | 12.535 | 12.631 | 0.096 |
| 23 | 3 | LDR-Unbiased | 12.59 | 12.664 | 0.074 |
| 25 | 3 | LDR-Unbiased | 12.603 | 12.53 | -0.073 |
| 26 | 3 | LDR-Unbiased | 12.72 | 12.619 | -0.101 |
| 27 | 3 | LDR-Unbiased | 12.585 | 12.637 | 0.052 |
| 46 | 10 | LDR-Biased | 12.685 | 12.285 | -0.4 |
| 48 | 10 | LDR-Biased | 12.583 | 12.293 | -0.29 |
| 49 | 10 | LDR-Biased | 12.664 | 12.505 | -0.159 |
| 50 | 10 | LDR-Biased | 12.567 | 12.354 | -0.213 |
| 51 | 10 | LDR-Biased | 12.649 | 12.583 | -0.066 |
| 52 | 10 | LDR-Unbiased | 12.535 | 12.665 | 0.13 |
| 53 | 10 | LDR-Unbiased | 12.59 | 12.682 | 0.092 |
| 55 | 10 | LDR-Unbiased | 12.603 | 12.54 | -0.063 |
| 56 | 10 | LDR-Unbiased | 12.72 | 12.609 | -0.111 |
| 57 | 10 | LDR-Unbiased | 12.585 | 12.633 | 0.048 |
| 76 | 30 | LDR-Biased | 12.685 | 12.315 | -0.37 |
| 78 | 30 | LDR-Biased | 12.583 | 12.019 | -0.564 |
| 79 | 30 | LDR-Biased | 12.664 | 12.534 | -0.13 |
| 80 | 30 | LDR-Biased | 12.567 | 12.392 | -0.175 |
| 81 | 30 | LDR-Biased | 12.649 | 12.53 | -0.119 |
| 82 | 30 | LDR-Unbiased | 12.535 | 12.561 | 0.026 |
| 83 | 30 | LDR-Unbiased | 12.59 | 12.574 | -0.016 |
| 84 | 30 | LDR-Unbiased | 12.585 | 12.512 | -0.073 |
| 85 | 30 | LDR-Unbiased | 12.603 | 12.429 | -0.174 |
| 86 | 30 | LDR-Unbiased | 12.72 | 12.513 | -0.207 |
| 87 | 100 | LDR-Biased | 12.722 | 12.321 | -0.401 |
| 88 | 100 | LDR-Biased | 12.756 | 12.548 | -0.208 |
| 90 | 100 | LDR-Biased | 12.603 | 12.565 | -0.038 |
| 91 | 100 | LDR-Unbiased | 12.497 | 12.21 | -0.287 |
| 93 | 100 | LDR-Unbiased | 12.651 | 12.335 | -0.316 |
| 94 | 100 | LDR-Unbiased | 12.693 | 12.332 | -0.361 |
| 95 | 100 | LDR-Unbiased | 12.539 | 12.372 | -0.167 |
| 96 | 100 | LDR-Unbiased | 12.592 | 12.227 | -0.365 |
| 106 | 50 | LDR-Biased | 12.685 | 12.025 | -0.66 |
| 108 | 50 | LDR-Biased | 12.583 | 12.143 | -0.44 |
| 109 | 50 | LDR-Biased | 12.664 | 12.384 | -0.28 |
| 110 | 50 | LDR-Biased | 12.567 | 12.01 | -0.557 |
| 111 | 50 | LDR-Biased | 12.649 | 12.439 | -0.21 |
| 112 | 50 | LDR-Unbiased | 12.535 | 12.468 | -0.067 |
| 113 | 50 | LDR-Unbiased | 12.59 | 12.472 | -0.118 |
| 115 | 50 | LDR-Unbiased | 12.603 | 12.338 | -0.265 |
| 116 | 50 | LDR-Unbiased | 12.72 | 12.446 | -0.274 |
| 117 | 50 | LDR-Unbiased | 12.585 | 12.435 | -0.15 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.612 | 12.625 | 12.637 | 0.017678 | 12.612 | 12.625 | 12.637 | 0.017678 | 0 | 0 | 0 | 0 |
| 3 | 12.535 | 12.618 | 12.72 | 0.058484 | 12.369 | 12.561 | 12.674 | 0.11374 | -0.316 | -0.0575 | 0.096 | 0.1282 |
| 10 | 12.535 | 12.618 | 12.72 | 0.058484 | 12.285 | 12.515 | 12.682 | 0.15151 | -0.4 | -0.1032 | 0.13 | 0.16884 |
| 30 | 12.535 | 12.618 | 12.72 | 0.058484 | 12.019 | 12.438 | 12.574 | 0.16842 | -0.564 | -0.1802 | 0.026 | 0.17364 |
| 50 | 12.535 | 12.618 | 12.72 | 0.058484 | 12.01 | 12.316 | 12.472 | 0.18469 | -0.66 | -0.3021 | -0.067 | 0.19308 |
| 100 | 12.497 | 12.632 | 12.756 | 0.090136 | 12.21 | 12.364 | 12.565 | 0.13121 | -0.401 | -0.26787 | -0.038 | 0.12254 |

# Device Test: 6.109 VOL_10mA_EN4/EN4/1.6/14/0/0/10/@VOL_EN_10MA



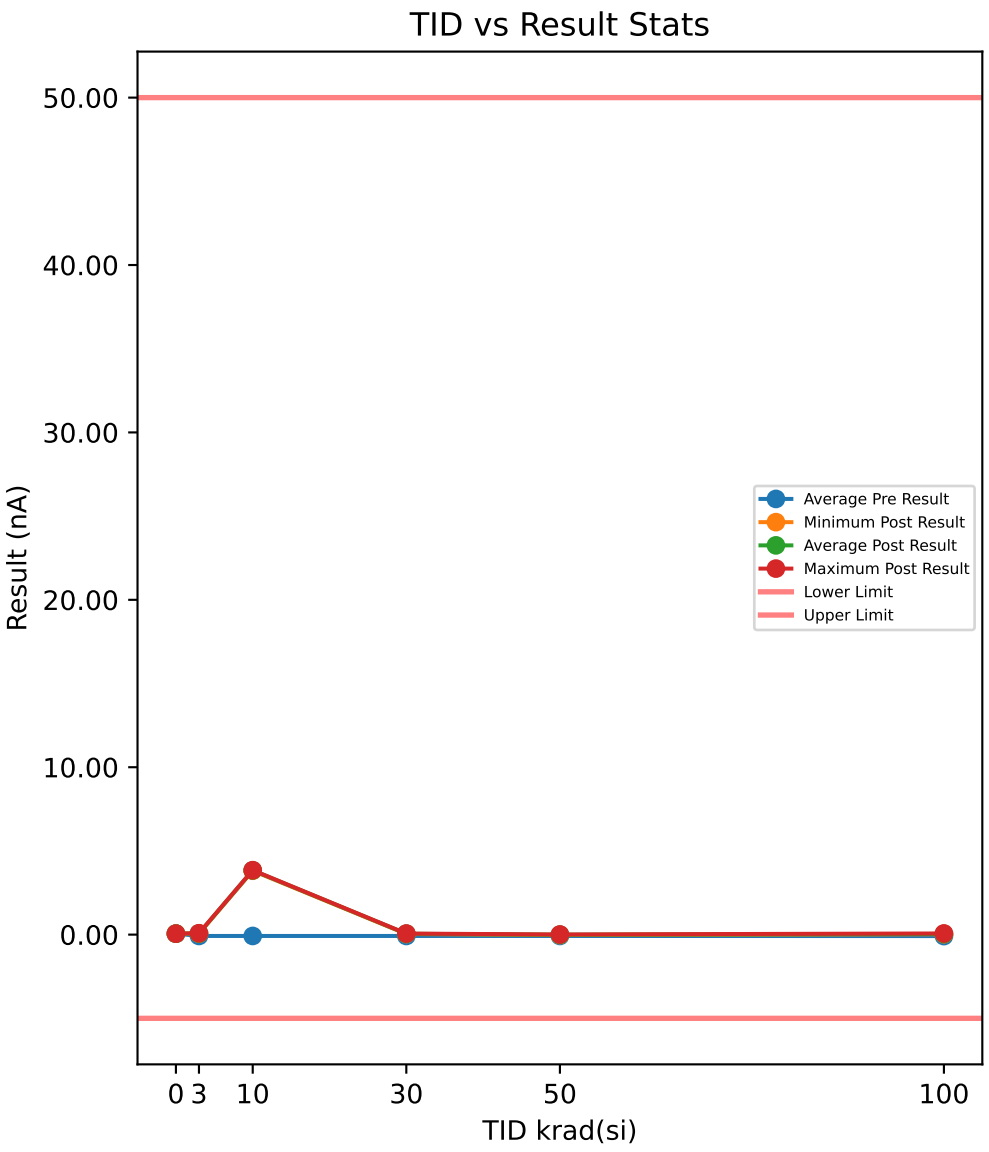

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 12.249 | 12.249 | 0 |
| 7 | 0 | Correlation | 12.259 | 12.259 | 0 |
| 16 | 3 | LDR-Biased | 12.314 | 11.971 | -0.343 |
| 18 | 3 | LDR-Biased | 12.234 | 12.002 | -0.232 |
| 19 | 3 | LDR-Biased | 12.251 | 12.254 | 0.003 |
| 20 | 3 | LDR-Biased | 12.182 | 12.077 | -0.105 |
| 21 | 3 | LDR-Biased | 12.285 | 12.279 | -0.006 |
| 22 | 3 | LDR-Unbiased | 12.216 | 12.295 | 0.079 |
| 23 | 3 | LDR-Unbiased | 12.189 | 12.267 | 0.078 |
| 25 | 3 | LDR-Unbiased | 12.203 | 12.163 | -0.04 |
| 26 | 3 | LDR-Unbiased | 12.329 | 12.248 | -0.081 |
| 27 | 3 | LDR-Unbiased | 12.236 | 12.233 | -0.003 |
| 46 | 10 | LDR-Biased | 12.314 | 11.888 | -0.426 |
| 48 | 10 | LDR-Biased | 12.234 | 11.899 | -0.335 |
| 49 | 10 | LDR-Biased | 12.251 | 12.138 | -0.113 |
| 50 | 10 | LDR-Biased | 12.182 | 11.976 | -0.206 |
| 51 | 10 | LDR-Biased | 12.285 | 12.187 | -0.098 |
| 52 | 10 | LDR-Unbiased | 12.216 | 12.33 | 0.114 |
| 53 | 10 | LDR-Unbiased | 12.189 | 12.287 | 0.098 |
| 55 | 10 | LDR-Unbiased | 12.203 | 12.176 | -0.027 |
| 56 | 10 | LDR-Unbiased | 12.329 | 12.242 | -0.087 |
| 57 | 10 | LDR-Unbiased | 12.236 | 12.232 | -0.004 |
| 76 | 30 | LDR-Biased | 12.314 | 11.92 | -0.394 |
| 78 | 30 | LDR-Biased | 12.234 | 11.624 | -0.61 |
| 79 | 30 | LDR-Biased | 12.251 | 12.167 | -0.084 |
| 80 | 30 | LDR-Biased | 12.182 | 12.015 | -0.167 |
| 81 | 30 | LDR-Biased | 12.285 | 12.14 | -0.145 |
| 82 | 30 | LDR-Unbiased | 12.216 | 12.228 | 0.012 |
| 83 | 30 | LDR-Unbiased | 12.189 | 12.179 | -0.01 |
| 84 | 30 | LDR-Unbiased | 12.236 | 12.115 | -0.121 |
| 85 | 30 | LDR-Unbiased | 12.203 | 12.07 | -0.133 |
| 86 | 30 | LDR-Unbiased | 12.329 | 12.149 | -0.18 |
| 87 | 100 | LDR-Biased | 12.341 | 11.966 | -0.375 |
| 88 | 100 | LDR-Biased | 12.381 | 12.191 | -0.19 |
| 90 | 100 | LDR-Biased | 12.255 | 12.206 | -0.049 |
| 91 | 100 | LDR-Unbiased | 12.179 | 11.879 | -0.3 |
| 93 | 100 | LDR-Unbiased | 12.287 | 11.963 | -0.324 |
| 94 | 100 | LDR-Unbiased | 12.321 | 11.949 | -0.372 |
| 95 | 100 | LDR-Unbiased | 12.176 | 11.982 | -0.194 |
| 96 | 100 | LDR-Unbiased | 12.242 | 11.867 | -0.375 |
| 106 | 50 | LDR-Biased | 12.314 | 11.636 | -0.678 |
| 108 | 50 | LDR-Biased | 12.234 | 11.754 | -0.48 |
| 109 | 50 | LDR-Biased | 12.251 | 12.021 | -0.23 |
| 110 | 50 | LDR-Biased | 12.182 | 11.637 | -0.545 |
| 111 | 50 | LDR-Biased | 12.285 | 12.051 | -0.234 |
| 112 | 50 | LDR-Unbiased | 12.216 | 12.137 | -0.079 |
| 113 | 50 | LDR-Unbiased | 12.189 | 12.082 | -0.107 |
| 115 | 50 | LDR-Unbiased | 12.203 | 11.98 | -0.223 |
| 116 | 50 | LDR-Unbiased | 12.329 | 12.084 | -0.245 |
| 117 | 50 | LDR-Unbiased | 12.236 | 12.039 | -0.197 |

Test Statistics (%)

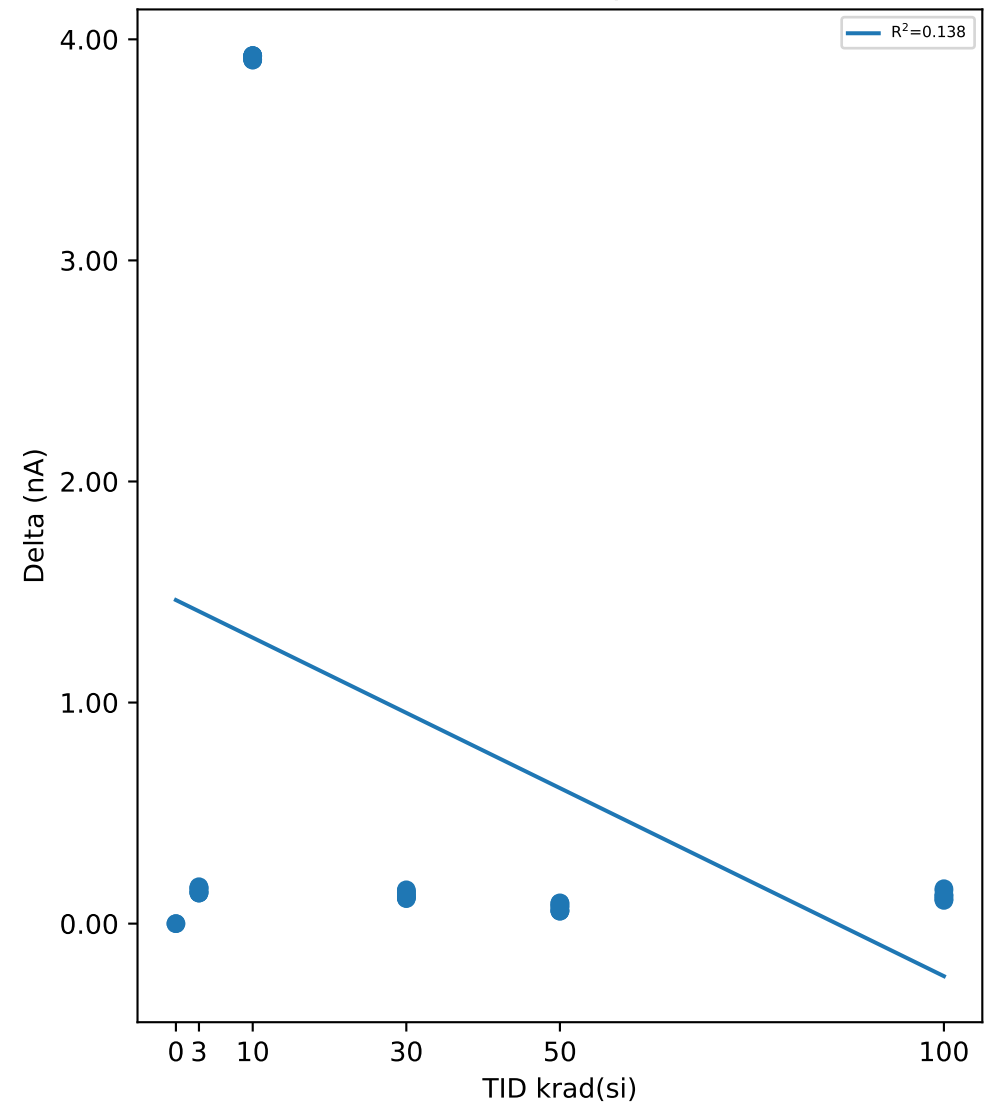
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 12.249 | 12.254 | 12.259 | 0.0070711 | 12.249 | 12.254 | 12.259 | 0.0070711 | 0 | 0 | 0 | 0 |
| 3 | 12.182 | 12.244 | 12.329 | 0.050939 | 11.971 | 12.179 | 12.295 | 0.12007 | -0.343 | -0.065 | 0.079 | 0.13366 |
| 10 | 12.182 | 12.244 | 12.329 | 0.050939 | 11.888 | 12.136 | 12.33 | 0.15929 | -0.426 | -0.1084 | 0.114 | 0.17382 |
| 30 | 12.182 | 12.244 | 12.329 | 0.050939 | 11.624 | 12.061 | 12.228 | 0.17732 | -0.61 | -0.1832 | 0.012 | 0.18639 |
| 50 | 12.182 | 12.244 | 12.329 | 0.050939 | 11.636 | 11.942 | 12.137 | 0.19113 | -0.678 | -0.3018 | -0.079 | 0.19725 |
| 100 | 12.176 | 12.273 | 12.381 | 0.073986 | 11.867 | 12 | 12.206 | 0.12912 | -0.375 | -0.27238 | -0.049 | 0.11786 |

# Device Test: 6.11 ILKG_SENSE3/SENSE3//3/0/0/0/@ILKG_SENSE




Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

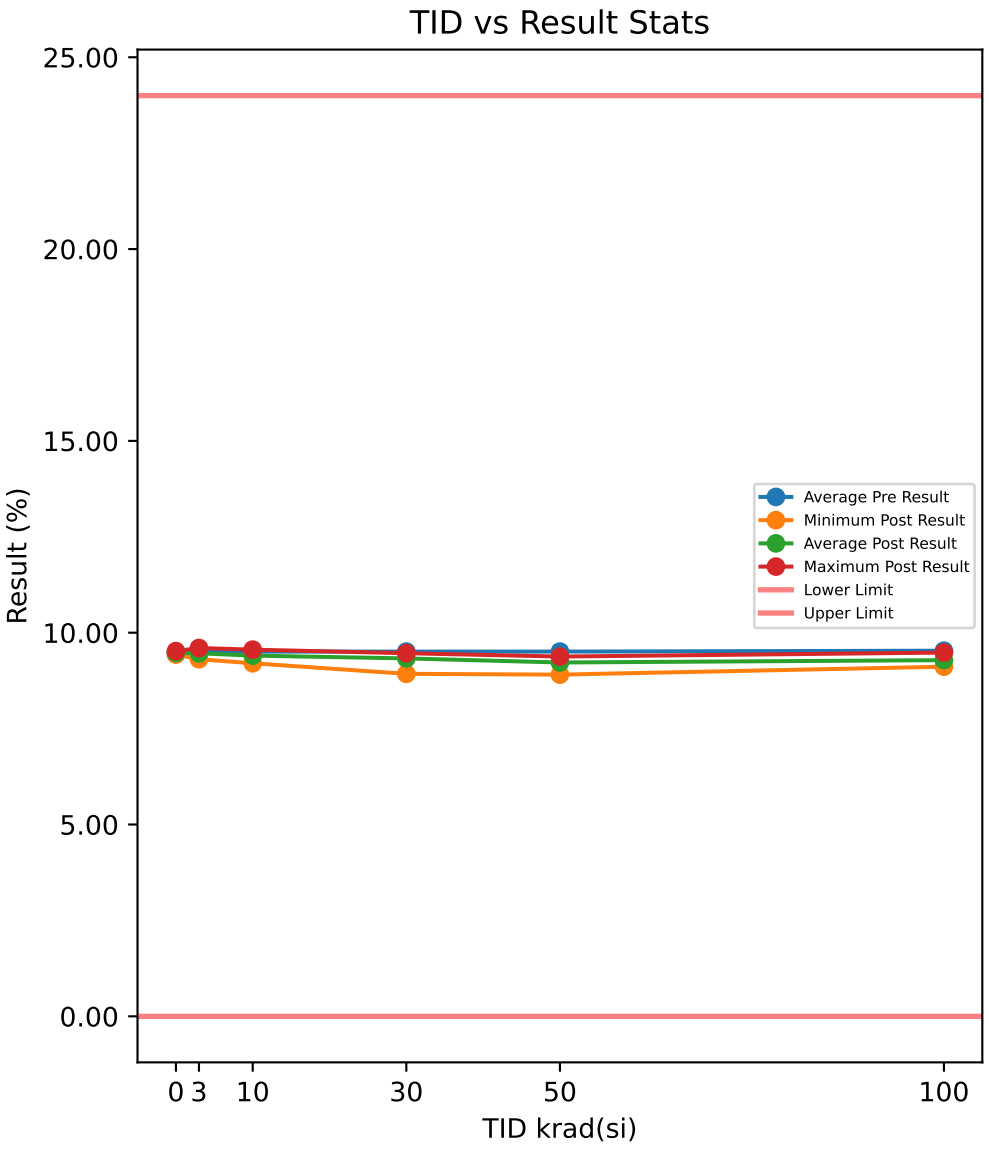
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.058 | 0.058 | 0 |
| 7 | 0 | Correlation | 0.059 | 0.059 | 0 |
| 16 | 3 | LDR-Biased | -0.089 | 0.071 | 0.16 |
| 18 | 3 | LDR-Biased | -0.079 | 0.065 | 0.144 |
| 19 | 3 | LDR-Biased | -0.08 | 0.059 | 0.139 |
| 20 | 3 | LDR-Biased | -0.087 | 0.075 | 0.162 |
| 21 | 3 | LDR-Biased | -0.081 | 0.057 | 0.138 |
| 22 | 3 | LDR-Unbiased | -0.096 | 0.071 | 0.167 |
| 23 | 3 | LDR-Unbiased | -0.081 | 0.072 | 0.153 |
| 25 | 3 | LDR-Unbiased | -0.059 | 0.08 | 0.139 |
| 26 | 3 | LDR-Unbiased | -0.062 | 0.083 | 0.145 |
| 27 | 3 | LDR-Unbiased | -0.084 | 0.079 | 0.163 |
| 46 | 10 | LDR-Biased | -0.089 | 3.837 | 3.926 |
| 48 | 10 | LDR-Biased | -0.079 | 3.844 | 3.923 |
| 49 | 10 | LDR-Biased | -0.08 | 3.847 | 3.927 |
| 50 | 10 | LDR-Biased | -0.087 | 3.835 | 3.922 |
| 51 | 10 | LDR-Biased | -0.081 | 3.845 | 3.926 |
| 52 | 10 | LDR-Unbiased | -0.096 | 3.815 | 3.911 |
| 53 | 10 | LDR-Unbiased | -0.081 | 3.843 | 3.924 |
| 55 | 10 | LDR-Unbiased | -0.059 | 3.85 | 3.909 |
| 56 | 10 | LDR-Unbiased | -0.062 | 3.844 | 3.906 |
| 57 | 10 | LDR-Unbiased | -0.084 | 3.823 | 3.907 |
| 76 | 30 | LDR-Biased | -0.089 | 0.064 | 0.153 |
| 78 | 30 | LDR-Biased | -0.079 | 0.061 | 0.14 |
| 79 | 30 | LDR-Biased | -0.08 | 0.043 | 0.123 |
| 80 | 30 | LDR-Biased | -0.087 | 0.042 | 0.129 |
| 81 | 30 | LDR-Biased | -0.081 | 0.043 | 0.124 |
| 82 | 30 | LDR-Unbiased | -0.096 | 0.052 | 0.148 |
| 83 | 30 | LDR-Unbiased | -0.081 | 0.038 | 0.119 |
| 84 | 30 | LDR-Unbiased | -0.084 | 0.057 | 0.141 |
| 85 | 30 | LDR-Unbiased | -0.059 | 0.057 | 0.116 |
| 86 | 30 | LDR-Unbiased | -0.062 | 0.051 | 0.113 |
| 87 | 100 | LDR-Biased | -0.09 | 0.036 | 0.126 |
| 88 | 100 | LDR-Biased | -0.105 | 0.053 | 0.158 |
| 90 | 100 | LDR-Biased | -0.074 | 0.037 | 0.111 |
| 91 | 100 | LDR-Unbiased | -0.082 | 0.028 | 0.11 |
| 93 | 100 | LDR-Unbiased | -0.08 | 0.07 | 0.15 |
| 94 | 100 | LDR-Unbiased | -0.093 | 0.038 | 0.131 |
| 95 | 100 | LDR-Unbiased | -0.082 | 0.023 | 0.105 |
| 96 | 100 | LDR-Unbiased | -0.094 | 0.031 | 0.125 |
| 106 | 50 | LDR-Biased | -0.089 | 0.001 | 0.09 |
| 108 | 50 | LDR-Biased | -0.079 | -0.001 | 0.078 |
| 109 | 50 | LDR-Biased | -0.08 | -0.024 | 0.056 |
| 110 | 50 | LDR-Biased | -0.087 | -0.008 | 0.079 |
| 111 | 50 | LDR-Biased | -0.081 | -0.006 | 0.075 |
| 112 | 50 | LDR-Unbiased | -0.096 | -0.002 | 0.094 |
| 113 | 50 | LDR-Unbiased | -0.081 | -0.024 | 0.057 |
| 115 | 50 | LDR-Unbiased | -0.059 | -0 | 0.059 |
| 116 | 50 | LDR-Unbiased | -0.062 | -0.002 | 0.06 |
| 117 | 50 | LDR-Unbiased | -0.084 | 0.008 | 0.092 |




Test Statistics (nA)

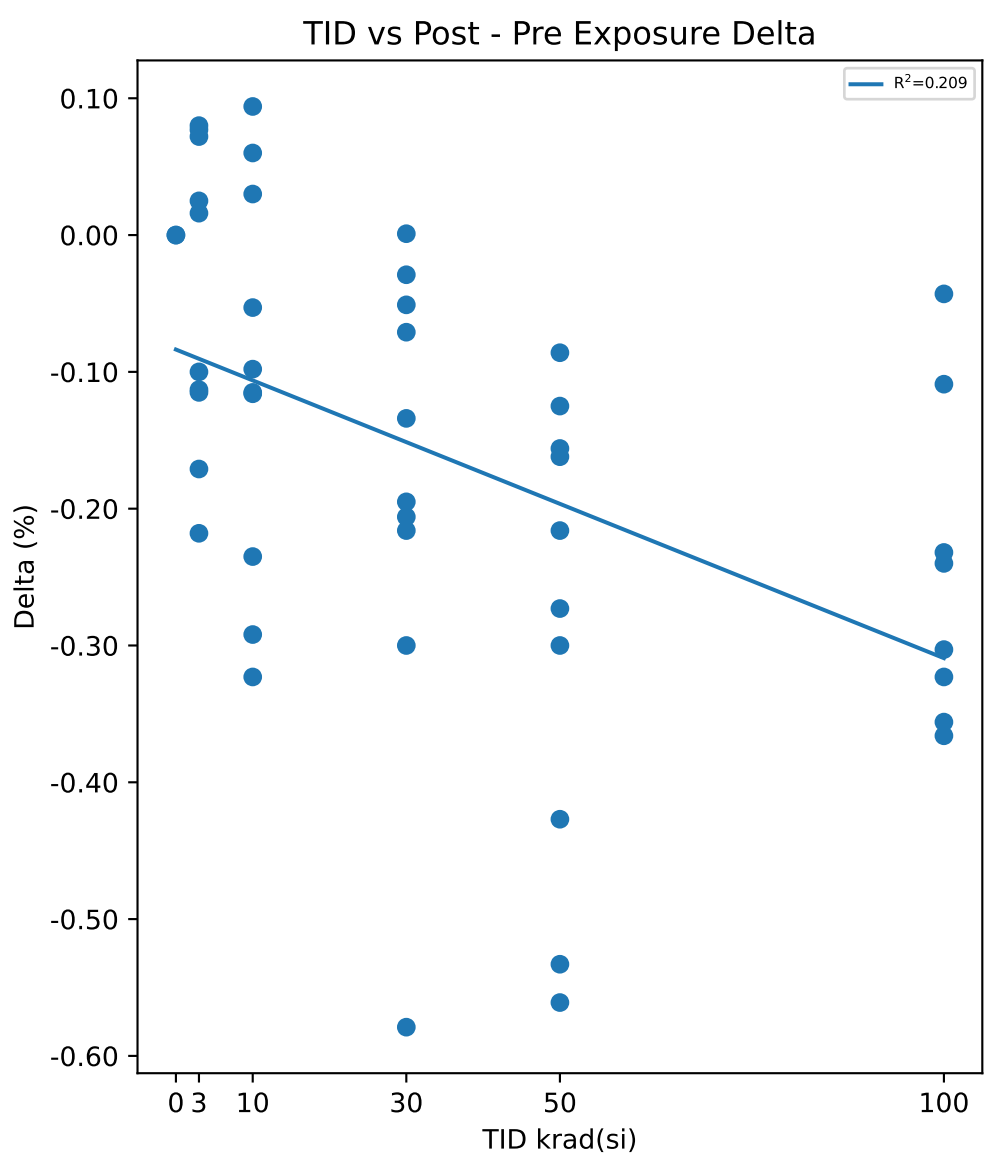
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.058 | 0.0585 | 0.059 | 0.00070711 | 0.058 | 0.0585 | 0.059 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | -0.096 | -0.0798 | -0.059 | 0.0114 | 0.057 | 0.0712 | 0.083 | 0.0087025 | 0.138 | 0.151 | 0.167 | 0.011294 |
| 10 | -0.096 | -0.0798 | -0.059 | 0.0114 | 3.815 | 3.8383 | 3.85 | 0.011225 | 3.906 | 3.9181 | 3.927 | 0.008698 |
| 30 | -0.096 | -0.0798 | -0.059 | 0.0114 | 0.038 | 0.0508 | 0.064 | 0.0089418 | 0.113 | 0.1306 | 0.153 | 0.013994 |
| 50 | -0.096 | -0.0798 | -0.059 | 0.0114 | -0.024 | -0.0058 | 0.008 | 0.010486 | 0.056 | 0.074 | 0.094 | 0.015114 |
| 100 | -0.105 | -0.0875 | -0.074 | 0.0098851 | 0.023 | 0.0395 | 0.07 | 0.015166 | 0.105 | 0.127 | 0.158 | 0.019049 |

# Device Test: 6.110 VOL_10mA_SEQ/SEQ_DONE/1.6/14/0/0/10/@VOL_SEQ_DONE_10MA




Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

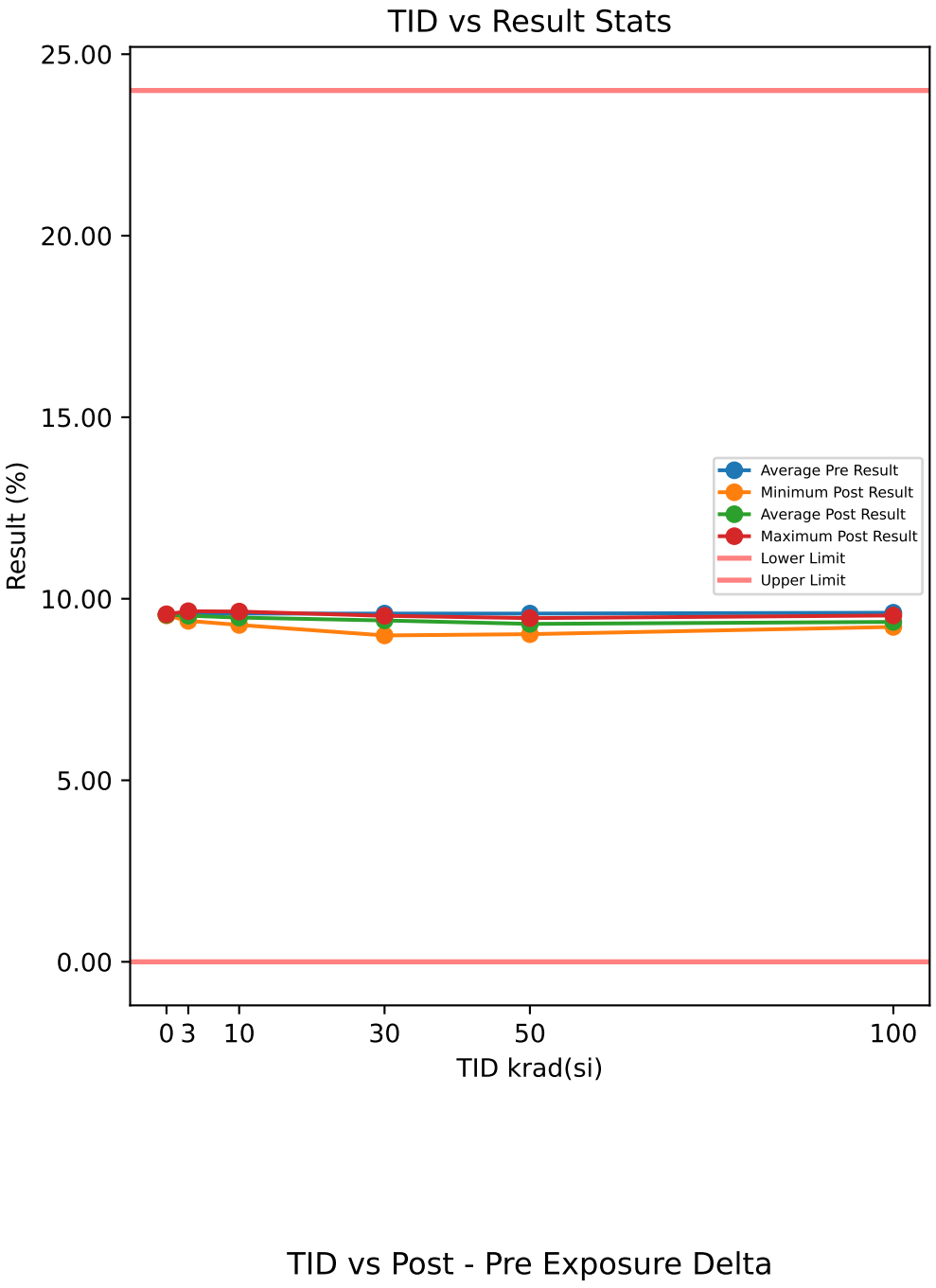
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 9.52 | 9.52 | 0 |
| 7 | 0 | Correlation | 9.43 | 9.43 | 0 |
| 16 | 3 | LDR-Biased | 9.526 | 9.308 | -0.218 |
| 18 | 3 | LDR-Biased | 9.507 | 9.336 | -0.171 |
| 19 | 3 | LDR-Biased | 9.467 | 9.547 | 0.08 |
| 20 | 3 | LDR-Biased | 9.468 | 9.353 | -0.115 |
| 21 | 3 | LDR-Biased | 9.585 | 9.601 | 0.016 |
| 22 | 3 | LDR-Unbiased | 9.464 | 9.541 | 0.077 |
| 23 | 3 | LDR-Unbiased | 9.484 | 9.509 | 0.025 |
| 25 | 3 | LDR-Unbiased | 9.487 | 9.374 | -0.113 |
| 26 | 3 | LDR-Unbiased | 9.606 | 9.506 | -0.1 |
| 27 | 3 | LDR-Unbiased | 9.48 | 9.552 | 0.072 |
| 46 | 10 | LDR-Biased | 9.526 | 9.203 | -0.323 |
| 48 | 10 | LDR-Biased | 9.507 | 9.215 | -0.292 |
| 49 | 10 | LDR-Biased | 9.467 | 9.414 | -0.053 |
| 50 | 10 | LDR-Biased | 9.468 | 9.233 | -0.235 |
| 51 | 10 | LDR-Biased | 9.585 | 9.487 | -0.098 |
| 52 | 10 | LDR-Unbiased | 9.464 | 9.558 | 0.094 |
| 53 | 10 | LDR-Unbiased | 9.484 | 9.514 | 0.03 |
| 55 | 10 | LDR-Unbiased | 9.487 | 9.372 | -0.115 |
| 56 | 10 | LDR-Unbiased | 9.606 | 9.49 | -0.116 |
| 57 | 10 | LDR-Unbiased | 9.48 | 9.54 | 0.06 |
| 76 | 30 | LDR-Biased | 9.526 | 9.226 | -0.3 |
| 78 | 30 | LDR-Biased | 9.507 | 8.928 | -0.579 |
| 79 | 30 | LDR-Biased | 9.467 | 9.438 | -0.029 |
| 80 | 30 | LDR-Biased | 9.468 | 9.273 | -0.195 |
| 81 | 30 | LDR-Biased | 9.585 | 9.451 | -0.134 |
| 82 | 30 | LDR-Unbiased | 9.464 | 9.465 | 0.001 |
| 83 | 30 | LDR-Unbiased | 9.484 | 9.413 | -0.071 |
| 84 | 30 | LDR-Unbiased | 9.48 | 9.429 | -0.051 |
| 85 | 30 | LDR-Unbiased | 9.487 | 9.271 | -0.216 |
| 86 | 30 | LDR-Unbiased | 9.606 | 9.4 | -0.206 |
| 87 | 100 | LDR-Biased | 9.624 | 9.258 | -0.366 |
| 88 | 100 | LDR-Biased | 9.579 | 9.47 | -0.109 |
| 90 | 100 | LDR-Biased | 9.525 | 9.482 | -0.043 |
| 91 | 100 | LDR-Unbiased | 9.436 | 9.113 | -0.323 |
| 93 | 100 | LDR-Unbiased | 9.586 | 9.23 | -0.356 |
| 94 | 100 | LDR-Unbiased | 9.532 | 9.3 | -0.232 |
| 95 | 100 | LDR-Unbiased | 9.477 | 9.237 | -0.24 |
| 96 | 100 | LDR-Unbiased | 9.486 | 9.183 | -0.303 |
| 106 | 50 | LDR-Biased | 9.526 | 8.993 | -0.533 |
| 108 | 50 | LDR-Biased | 9.507 | 9.08 | -0.427 |
| 109 | 50 | LDR-Biased | 9.467 | 9.311 | -0.156 |
| 110 | 50 | LDR-Biased | 9.468 | 8.907 | -0.561 |
| 111 | 50 | LDR-Biased | 9.585 | 9.369 | -0.216 |
| 112 | 50 | LDR-Unbiased | 9.464 | 9.378 | -0.086 |
| 113 | 50 | LDR-Unbiased | 9.484 | 9.322 | -0.162 |
| 115 | 50 | LDR-Unbiased | 9.487 | 9.187 | -0.3 |
| 116 | 50 | LDR-Unbiased | 9.606 | 9.333 | -0.273 |
| 117 | 50 | LDR-Unbiased | 9.48 | 9.355 | -0.125 |

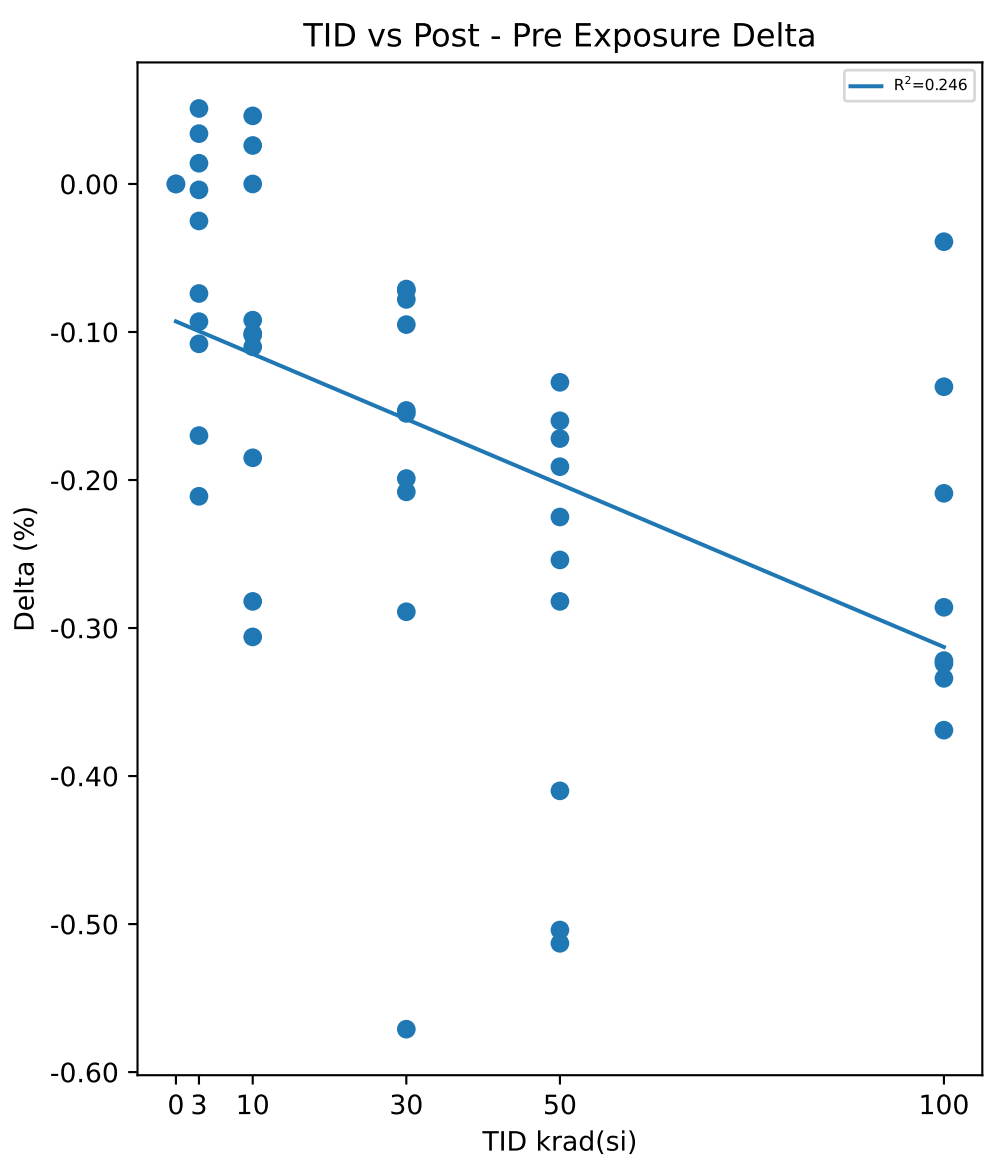



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 9.43 | 9.475 | 9.52 | 0.06364 | 9.43 | 9.475 | 9.52 | 0.06364 | 0 | 0 | 0 | 0 |
| 3 | 9.464 | 9.5074 | 9.606 | 0.050412 | 9.308 | 9.4627 | 9.601 | 0.10762 | -0.218 | -0.0447 | 0.08 | 0.11114 |
| 10 | 9.464 | 9.5074 | 9.606 | 0.050412 | 9.203 | 9.4026 | 9.558 | 0.13947 | -0.323 | -0.1048 | 0.094 | 0.14431 |
| 30 | 9.464 | 9.5074 | 9.606 | 0.050412 | 8.928 | 9.3294 | 9.465 | 0.16508 | -0.579 | -0.178 | 0.001 | 0.17061 |
| 50 | 9.464 | 9.5074 | 9.606 | 0.050412 | 8.907 | 9.2235 | 9.378 | 0.17221 | -0.561 | -0.2839 | -0.086 | 0.16995 |
| 100 | 9.436 | 9.5306 | 9.624 | 0.063223 | 9.113 | 9.2841 | 9.482 | 0.13055 | -0.366 | -0.2465 | -0.043 | 0.11704 |

# Device Test: 6.111 VOL_10mA_PWRGD/PWRGD/1.6/14/0/0/10/@VOL_PWRGD_10MA



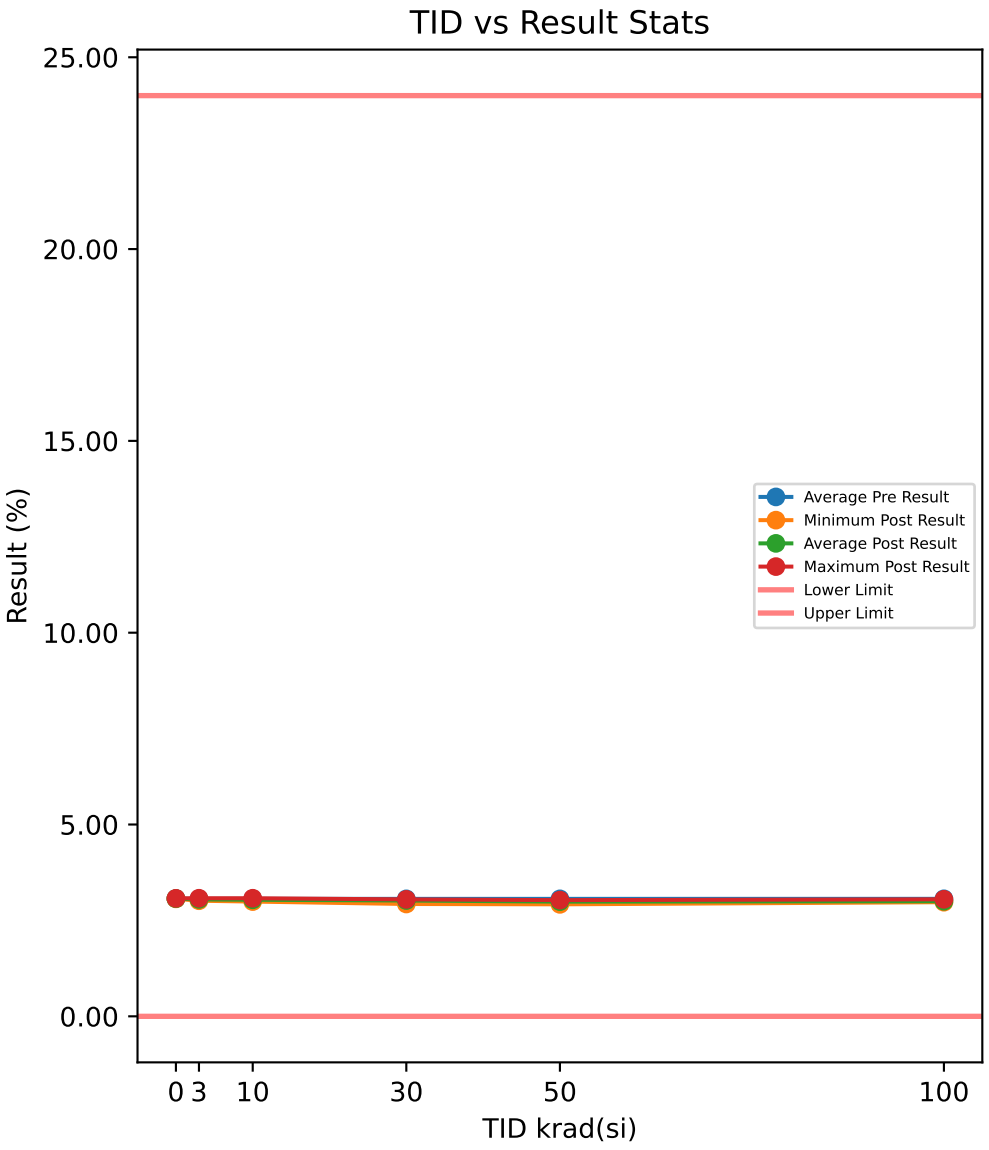

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 9.573 | 9.573 | 0 |
| 7 | 0 | Correlation | 9.541 | 9.541 | 0 |
| 16 | 3 | LDR-Biased | 9.609 | 9.398 | -0.211 |
| 18 | 3 | LDR-Biased | 9.561 | 9.391 | -0.17 |
| 19 | 3 | LDR-Biased | 9.595 | 9.629 | 0.034 |
| 20 | 3 | LDR-Biased | 9.529 | 9.455 | -0.074 |
| 21 | 3 | LDR-Biased | 9.661 | 9.657 | -0.004 |
| 22 | 3 | LDR-Unbiased | 9.576 | 9.551 | -0.025 |
| 23 | 3 | LDR-Unbiased | 9.555 | 9.569 | 0.014 |
| 25 | 3 | LDR-Unbiased | 9.572 | 9.464 | -0.108 |
| 26 | 3 | LDR-Unbiased | 9.658 | 9.565 | -0.093 |
| 27 | 3 | LDR-Unbiased | 9.601 | 9.652 | 0.051 |
| 46 | 10 | LDR-Biased | 9.609 | 9.303 | -0.306 |
| 48 | 10 | LDR-Biased | 9.561 | 9.279 | -0.282 |
| 49 | 10 | LDR-Biased | 9.595 | 9.503 | -0.092 |
| 50 | 10 | LDR-Biased | 9.529 | 9.344 | -0.185 |
| 51 | 10 | LDR-Biased | 9.661 | 9.551 | -0.11 |
| 52 | 10 | LDR-Unbiased | 9.576 | 9.576 | 0 |
| 53 | 10 | LDR-Unbiased | 9.555 | 9.581 | 0.026 |
| 55 | 10 | LDR-Unbiased | 9.572 | 9.471 | -0.101 |
| 56 | 10 | LDR-Unbiased | 9.658 | 9.556 | -0.102 |
| 57 | 10 | LDR-Unbiased | 9.601 | 9.647 | 0.046 |
| 76 | 30 | LDR-Biased | 9.609 | 9.32 | -0.289 |
| 78 | 30 | LDR-Biased | 9.561 | 8.99 | -0.571 |
| 79 | 30 | LDR-Biased | 9.595 | 9.523 | -0.072 |
| 80 | 30 | LDR-Biased | 9.529 | 9.374 | -0.155 |
| 81 | 30 | LDR-Biased | 9.661 | 9.508 | -0.153 |
| 82 | 30 | LDR-Unbiased | 9.576 | 9.481 | -0.095 |
| 83 | 30 | LDR-Unbiased | 9.555 | 9.477 | -0.078 |
| 84 | 30 | LDR-Unbiased | 9.601 | 9.53 | -0.071 |
| 85 | 30 | LDR-Unbiased | 9.572 | 9.364 | -0.208 |
| 86 | 30 | LDR-Unbiased | 9.658 | 9.459 | -0.199 |
| 87 | 100 | LDR-Biased | 9.655 | 9.321 | -0.334 |
| 88 | 100 | LDR-Biased | 9.664 | 9.527 | -0.137 |
| 90 | 100 | LDR-Biased | 9.578 | 9.539 | -0.039 |
| 91 | 100 | LDR-Unbiased | 9.548 | 9.224 | -0.324 |
| 93 | 100 | LDR-Unbiased | 9.662 | 9.293 | -0.369 |
| 94 | 100 | LDR-Unbiased | 9.616 | 9.407 | -0.209 |
| 95 | 100 | LDR-Unbiased | 9.59 | 9.304 | -0.286 |
| 96 | 100 | LDR-Unbiased | 9.608 | 9.286 | -0.322 |
| 106 | 50 | LDR-Biased | 9.609 | 9.096 | -0.513 |
| 108 | 50 | LDR-Biased | 9.561 | 9.151 | -0.41 |
| 109 | 50 | LDR-Biased | 9.595 | 9.404 | -0.191 |
| 110 | 50 | LDR-Biased | 9.529 | 9.025 | -0.504 |
| 111 | 50 | LDR-Biased | 9.661 | 9.436 | -0.225 |
| 112 | 50 | LDR-Unbiased | 9.576 | 9.404 | -0.172 |
| 113 | 50 | LDR-Unbiased | 9.555 | 9.395 | -0.16 |
| 115 | 50 | LDR-Unbiased | 9.572 | 9.29 | -0.282 |
| 116 | 50 | LDR-Unbiased | 9.658 | 9.404 | -0.254 |
| 117 | 50 | LDR-Unbiased | 9.601 | 9.467 | -0.134 |

Test Statistics (%)

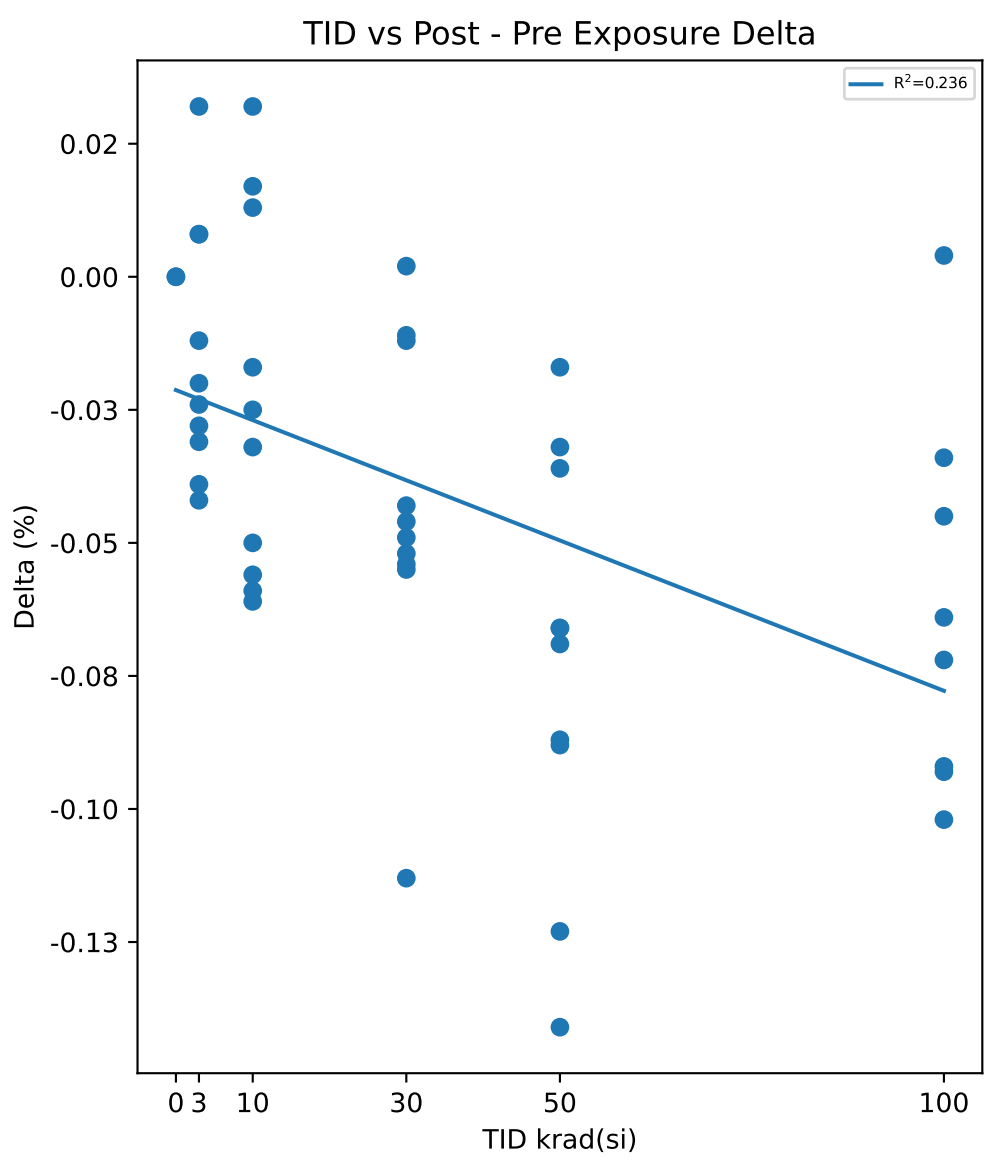
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 9.541 | 9.557 | 9.573 | 0.022627 | 9.541 | 9.557 | 9.573 | 0.022627 | 0 | 0 | 0 | 0 |
| 3 | 9.529 | 9.5917 | 9.661 | 0.042753 | 9.391 | 9.5331 | 9.657 | 0.10035 | -0.211 | -0.0586 | 0.051 | 0.087854 |
| 10 | 9.529 | 9.5917 | 9.661 | 0.042753 | 9.279 | 9.4811 | 9.647 | 0.12865 | -0.306 | -0.1106 | 0.046 | 0.11973 |
| 30 | 9.529 | 9.5917 | 9.661 | 0.042753 | 8.99 | 9.4026 | 9.53 | 0.16196 | -0.571 | -0.1891 | -0.071 | 0.15188 |
| 50 | 9.529 | 9.5917 | 9.661 | 0.042753 | 9.025 | 9.3072 | 9.467 | 0.15877 | -0.513 | -0.2845 | -0.134 | 0.14149 |
| 100 | 9.548 | 9.6151 | 9.664 | 0.042666 | 9.224 | 9.3626 | 9.539 | 0.11662 | -0.369 | -0.2525 | -0.039 | 0.1147 |

# Device Test: 6.112 VOL_10mA_EN1/EN1/7/3/0/0/10/@VOL_EN_10MA




Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

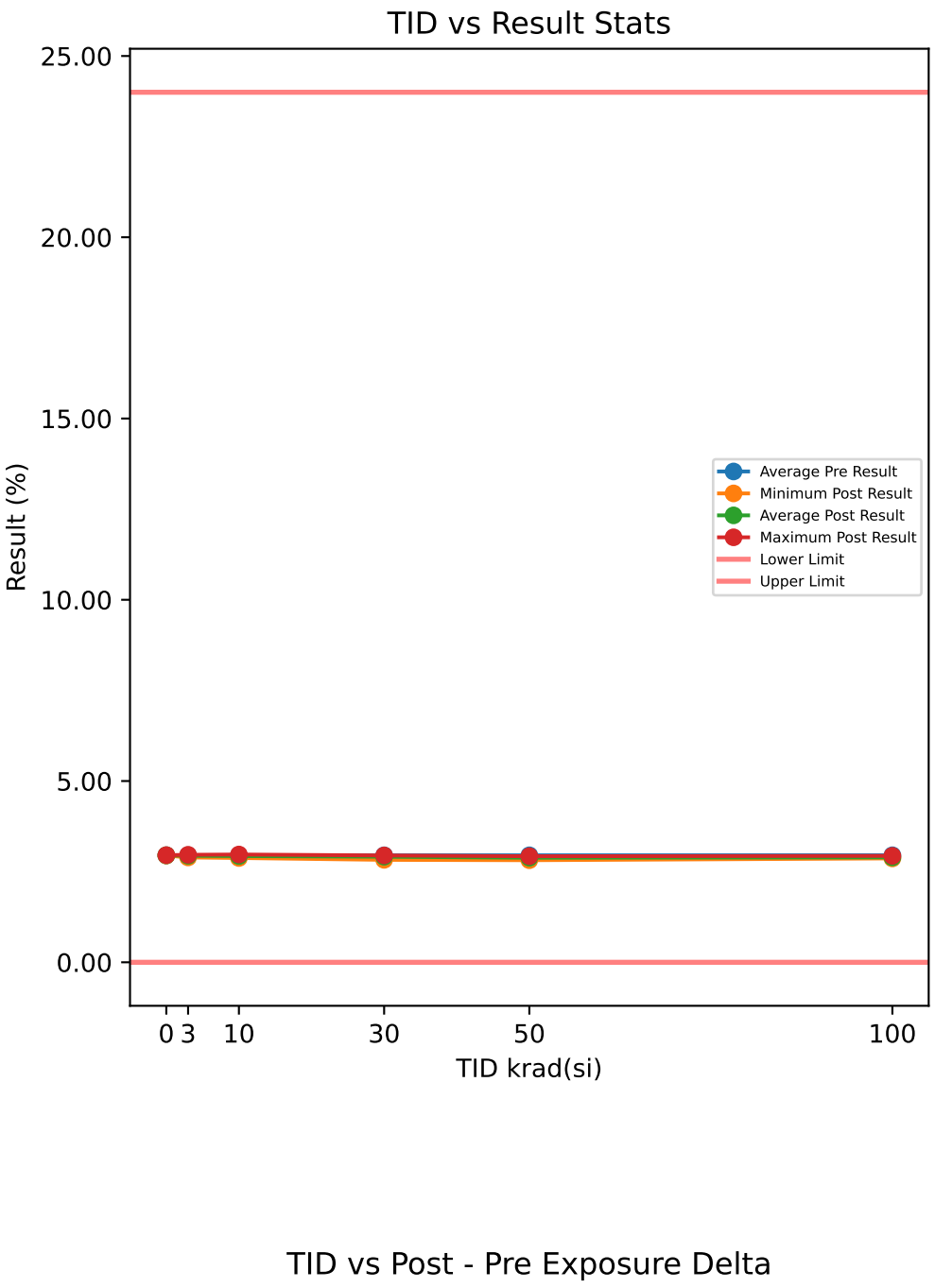
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.062 | 3.062 | 0 |
| 7 | 0 | Correlation | 3.076 | 3.076 | 0 |
| 16 | 3 | LDR-Biased | 3.065 | 3.023 | -0.042 |
| 18 | 3 | LDR-Biased | 3.041 | 3.013 | -0.028 |
| 19 | 3 | LDR-Biased | 3.064 | 3.033 | -0.031 |
| 20 | 3 | LDR-Biased | 3.06 | 3.021 | -0.039 |
| 21 | 3 | LDR-Biased | 3.082 | 3.07 | -0.012 |
| 22 | 3 | LDR-Unbiased | 3.056 | 3.064 | 0.008 |
| 23 | 3 | LDR-Unbiased | 3.046 | 3.054 | 0.008 |
| 25 | 3 | LDR-Unbiased | 3.074 | 3.054 | -0.02 |
| 26 | 3 | LDR-Unbiased | 3.086 | 3.062 | -0.024 |
| 27 | 3 | LDR-Unbiased | 3.046 | 3.078 | 0.032 |
| 46 | 10 | LDR-Biased | 3.065 | 3.006 | -0.059 |
| 48 | 10 | LDR-Biased | 3.041 | 2.991 | -0.05 |
| 49 | 10 | LDR-Biased | 3.064 | 3.008 | -0.056 |
| 50 | 10 | LDR-Biased | 3.06 | 2.999 | -0.061 |
| 51 | 10 | LDR-Biased | 3.082 | 3.05 | -0.032 |
| 52 | 10 | LDR-Unbiased | 3.056 | 3.073 | 0.017 |
| 53 | 10 | LDR-Unbiased | 3.046 | 3.059 | 0.013 |
| 55 | 10 | LDR-Unbiased | 3.074 | 3.057 | -0.017 |
| 56 | 10 | LDR-Unbiased | 3.086 | 3.061 | -0.025 |
| 57 | 10 | LDR-Unbiased | 3.046 | 3.078 | 0.032 |
| 76 | 30 | LDR-Biased | 3.065 | 3.011 | -0.054 |
| 78 | 30 | LDR-Biased | 3.041 | 2.928 | -0.113 |
| 79 | 30 | LDR-Biased | 3.064 | 3.012 | -0.052 |
| 80 | 30 | LDR-Biased | 3.06 | 3.005 | -0.055 |
| 81 | 30 | LDR-Biased | 3.082 | 3.036 | -0.046 |
| 82 | 30 | LDR-Unbiased | 3.056 | 3.045 | -0.011 |
| 83 | 30 | LDR-Unbiased | 3.046 | 3.034 | -0.012 |
| 84 | 30 | LDR-Unbiased | 3.046 | 3.048 | 0.002 |
| 85 | 30 | LDR-Unbiased | 3.074 | 3.031 | -0.043 |
| 86 | 30 | LDR-Unbiased | 3.086 | 3.037 | -0.049 |
| 87 | 100 | LDR-Biased | 3.087 | 2.985 | -0.102 |
| 88 | 100 | LDR-Biased | 3.081 | 3.047 | -0.034 |
| 90 | 100 | LDR-Biased | 3.046 | 3.05 | 0.004 |
| 91 | 100 | LDR-Unbiased | 3.047 | 2.975 | -0.072 |
| 93 | 100 | LDR-Unbiased | 3.083 | 2.99 | -0.093 |
| 94 | 100 | LDR-Unbiased | 3.067 | 2.975 | -0.092 |
| 95 | 100 | LDR-Unbiased | 3.045 | 3 | -0.045 |
| 96 | 100 | LDR-Unbiased | 3.047 | 2.983 | -0.064 |
| 106 | 50 | LDR-Biased | 3.065 | 2.942 | -0.123 |
| 108 | 50 | LDR-Biased | 3.041 | 2.953 | -0.088 |
| 109 | 50 | LDR-Biased | 3.064 | 2.977 | -0.087 |
| 110 | 50 | LDR-Biased | 3.06 | 2.919 | -0.141 |
| 111 | 50 | LDR-Biased | 3.082 | 3.013 | -0.069 |
| 112 | 50 | LDR-Unbiased | 3.056 | 3.024 | -0.032 |
| 113 | 50 | LDR-Unbiased | 3.046 | 3.01 | -0.036 |
| 115 | 50 | LDR-Unbiased | 3.074 | 3.008 | -0.066 |
| 116 | 50 | LDR-Unbiased | 3.086 | 3.02 | -0.066 |
| 117 | 50 | LDR-Unbiased | 3.046 | 3.029 | -0.017 |

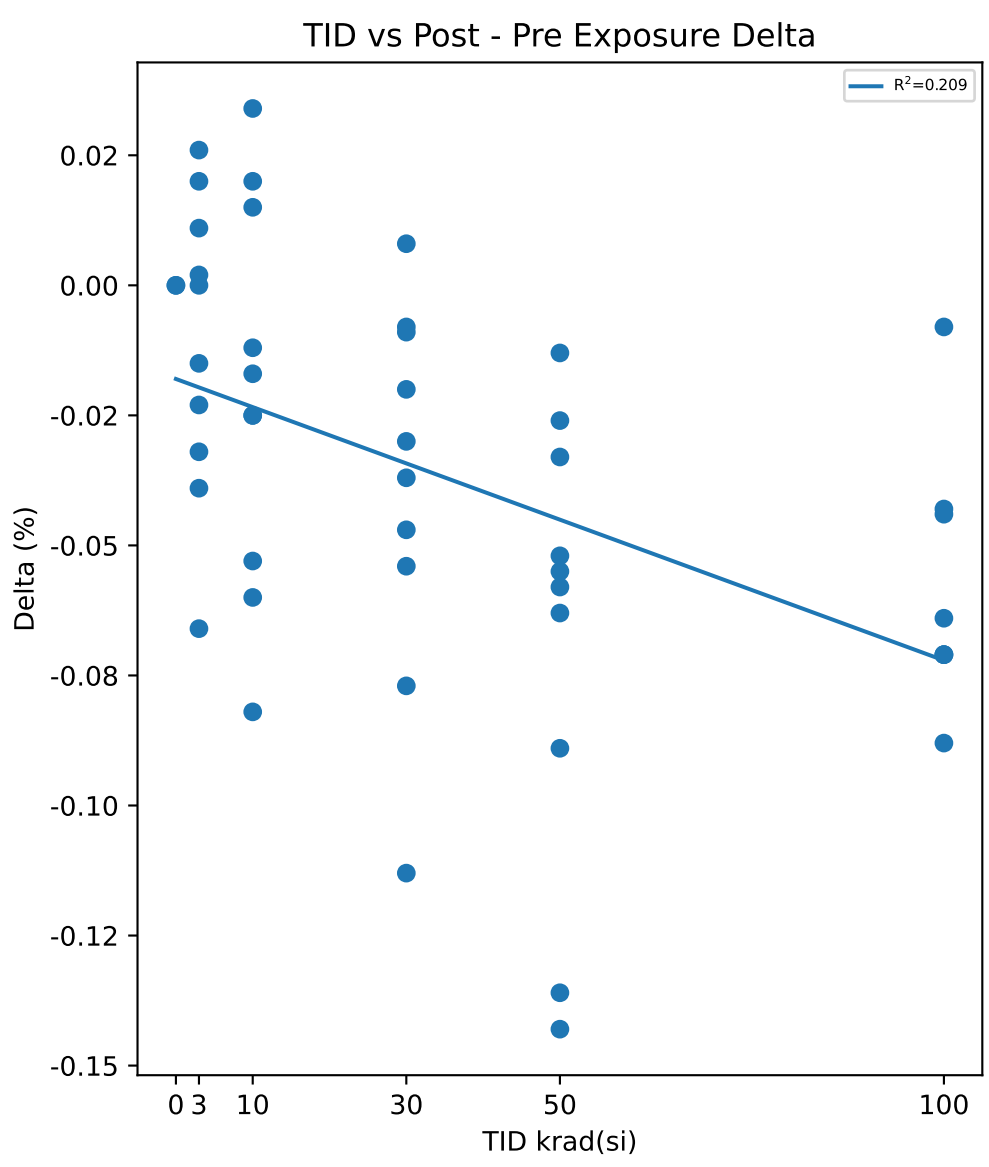



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.062 | 3.069 | 3.076 | 0.0098995 | 3.062 | 3.069 | 3.076 | 0.0098995 | 0 | 0 | 0 | 0 |
| 3 | 3.041 | 3.062 | 3.086 | 0.01537 | 3.013 | 3.0472 | 3.078 | 0.022866 | -0.042 | -0.0148 | 0.032 | 0.023832 |
| 10 | 3.041 | 3.062 | 3.086 | 0.01537 | 2.991 | 3.0382 | 3.078 | 0.033256 | -0.061 | -0.0238 | 0.032 | 0.034308 |
| 30 | 3.041 | 3.062 | 3.086 | 0.01537 | 2.928 | 3.0187 | 3.048 | 0.0351 | -0.113 | -0.0433 | 0.002 | 0.032146 |
| 50 | 3.041 | 3.062 | 3.086 | 0.01537 | 2.919 | 2.9895 | 3.029 | 0.039031 | -0.141 | -0.0725 | -0.017 | 0.039218 |
| 100 | 3.045 | 3.0629 | 3.087 | 0.018673 | 2.975 | 3.0006 | 3.05 | 0.030636 | -0.102 | -0.06225 | 0.004 | 0.035844 |

# Device Test: 6.113 VOL_10mA_EN2/EN2/7/3/0/0/10/@VOL_EN_10MA



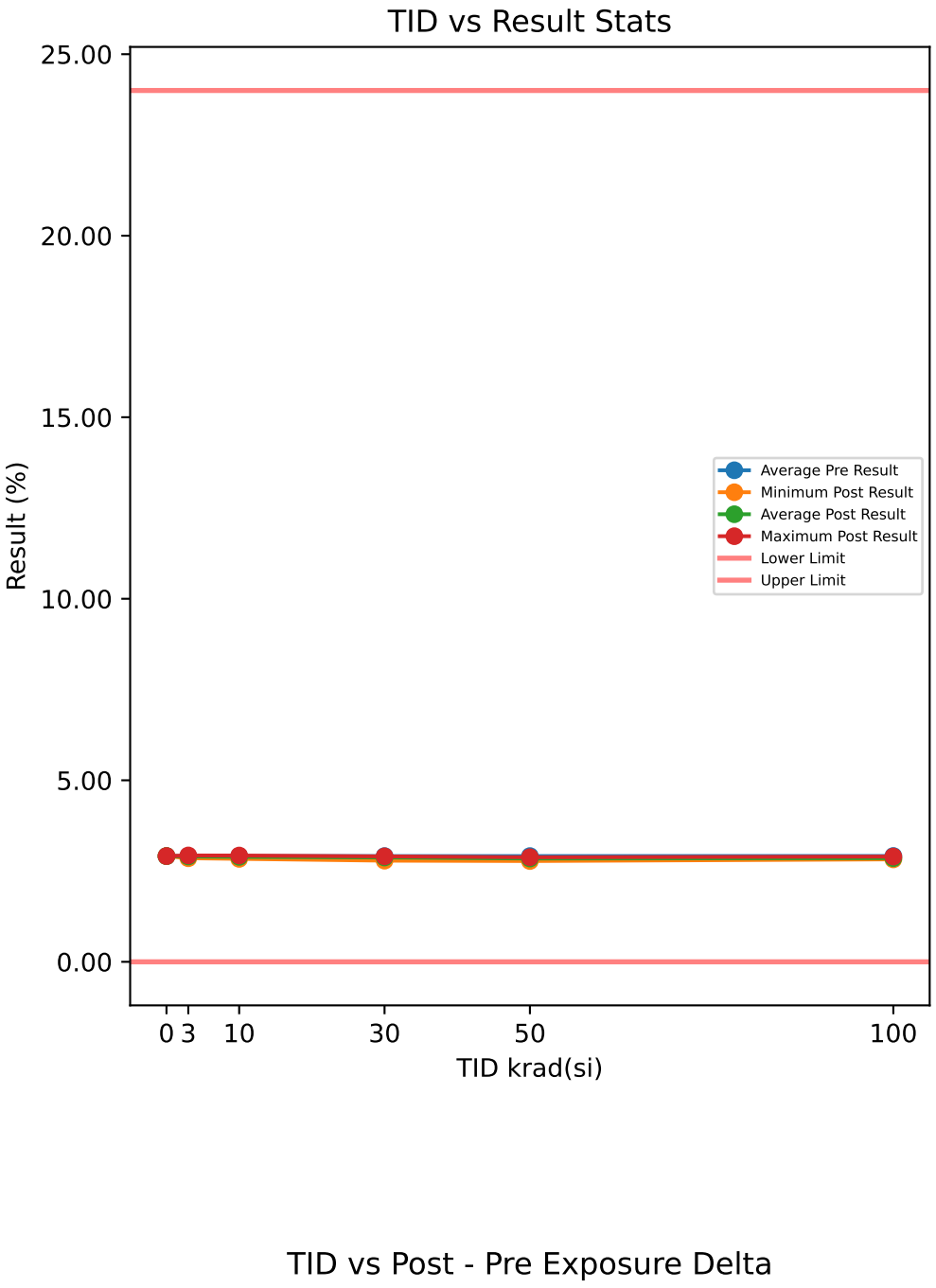

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

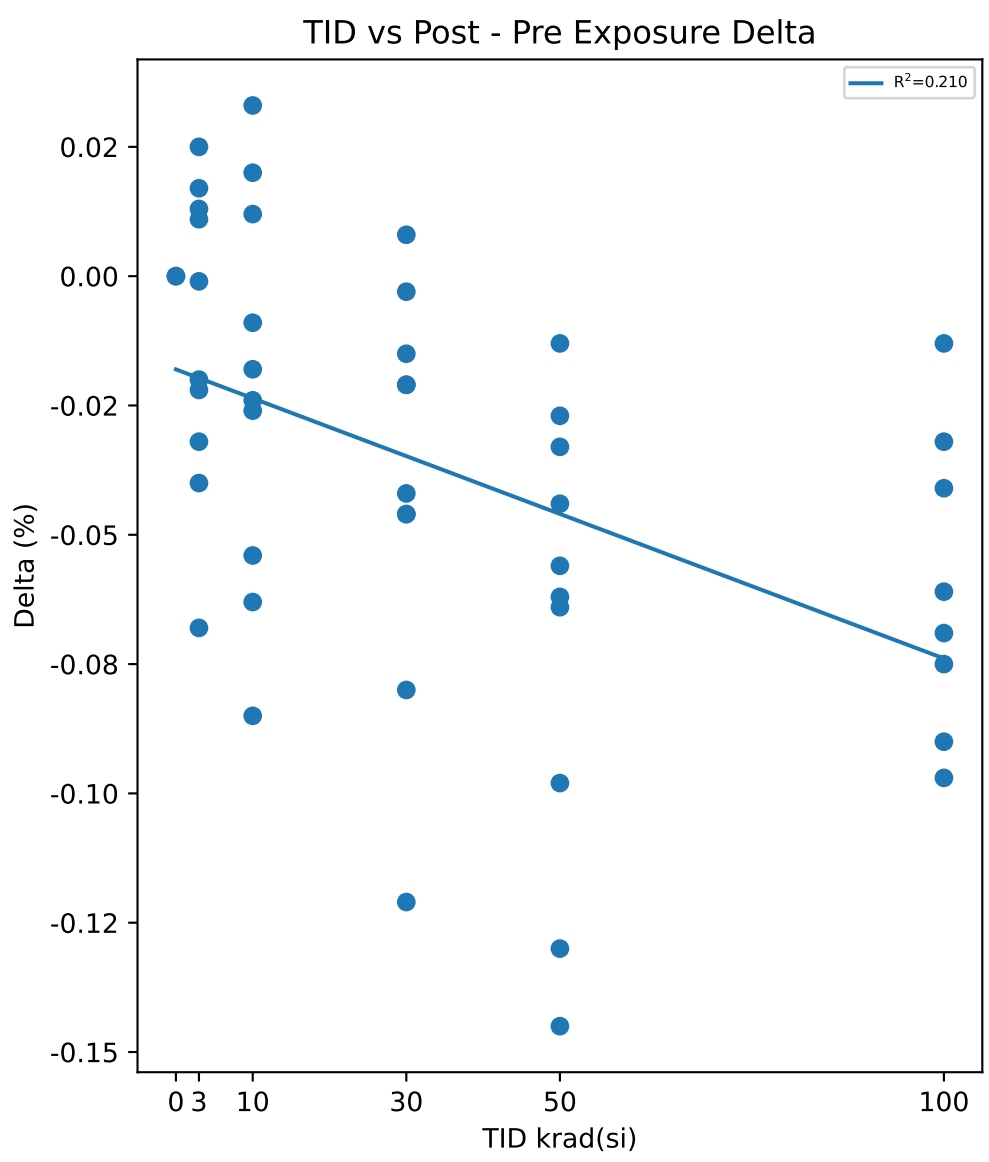
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.947 | 2.947 | 0 |
| 7 | 0 | Correlation | 2.955 | 2.955 | 0 |
| 16 | 3 | LDR-Biased | 2.959 | 2.893 | -0.066 |
| 18 | 3 | LDR-Biased | 2.939 | 2.907 | -0.032 |
| 19 | 3 | LDR-Biased | 2.952 | 2.952 | 0 |
| 20 | 3 | LDR-Biased | 2.953 | 2.914 | -0.039 |
| 21 | 3 | LDR-Biased | 2.961 | 2.963 | 0.002 |
| 22 | 3 | LDR-Unbiased | 2.939 | 2.965 | 0.026 |
| 23 | 3 | LDR-Unbiased | 2.947 | 2.958 | 0.011 |
| 25 | 3 | LDR-Unbiased | 2.949 | 2.934 | -0.015 |
| 26 | 3 | LDR-Unbiased | 2.969 | 2.946 | -0.023 |
| 27 | 3 | LDR-Unbiased | 2.944 | 2.964 | 0.02 |
| 46 | 10 | LDR-Biased | 2.959 | 2.877 | -0.082 |
| 48 | 10 | LDR-Biased | 2.939 | 2.886 | -0.053 |
| 49 | 10 | LDR-Biased | 2.952 | 2.927 | -0.025 |
| 50 | 10 | LDR-Biased | 2.953 | 2.893 | -0.06 |
| 51 | 10 | LDR-Biased | 2.961 | 2.944 | -0.017 |
| 52 | 10 | LDR-Unbiased | 2.939 | 2.973 | 0.034 |
| 53 | 10 | LDR-Unbiased | 2.947 | 2.962 | 0.015 |
| 55 | 10 | LDR-Unbiased | 2.949 | 2.937 | -0.012 |
| 56 | 10 | LDR-Unbiased | 2.969 | 2.944 | -0.025 |
| 57 | 10 | LDR-Unbiased | 2.944 | 2.964 | 0.02 |
| 76 | 30 | LDR-Biased | 2.959 | 2.882 | -0.077 |
| 78 | 30 | LDR-Biased | 2.939 | 2.826 | -0.113 |
| 79 | 30 | LDR-Biased | 2.952 | 2.932 | -0.02 |
| 80 | 30 | LDR-Biased | 2.953 | 2.899 | -0.054 |
| 81 | 30 | LDR-Biased | 2.961 | 2.931 | -0.03 |
| 82 | 30 | LDR-Unbiased | 2.939 | 2.947 | 0.008 |
| 83 | 30 | LDR-Unbiased | 2.947 | 2.938 | -0.009 |
| 84 | 30 | LDR-Unbiased | 2.944 | 2.936 | -0.008 |
| 85 | 30 | LDR-Unbiased | 2.949 | 2.912 | -0.037 |
| 86 | 30 | LDR-Unbiased | 2.969 | 2.922 | -0.047 |
| 87 | 100 | LDR-Biased | 2.964 | 2.876 | -0.088 |
| 88 | 100 | LDR-Biased | 2.975 | 2.932 | -0.043 |
| 90 | 100 | LDR-Biased | 2.944 | 2.936 | -0.008 |
| 91 | 100 | LDR-Unbiased | 2.93 | 2.866 | -0.064 |
| 93 | 100 | LDR-Unbiased | 2.961 | 2.89 | -0.071 |
| 94 | 100 | LDR-Unbiased | 2.961 | 2.89 | -0.071 |
| 95 | 100 | LDR-Unbiased | 2.936 | 2.892 | -0.044 |
| 96 | 100 | LDR-Unbiased | 2.946 | 2.875 | -0.071 |
| 106 | 50 | LDR-Biased | 2.959 | 2.816 | -0.143 |
| 108 | 50 | LDR-Biased | 2.939 | 2.85 | -0.089 |
| 109 | 50 | LDR-Biased | 2.952 | 2.897 | -0.055 |
| 110 | 50 | LDR-Biased | 2.953 | 2.817 | -0.136 |
| 111 | 50 | LDR-Biased | 2.961 | 2.909 | -0.052 |
| 112 | 50 | LDR-Unbiased | 2.939 | 2.926 | -0.013 |
| 113 | 50 | LDR-Unbiased | 2.947 | 2.914 | -0.033 |
| 115 | 50 | LDR-Unbiased | 2.949 | 2.891 | -0.058 |
| 116 | 50 | LDR-Unbiased | 2.969 | 2.906 | -0.063 |
| 117 | 50 | LDR-Unbiased | 2.944 | 2.918 | -0.026 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.947 | 2.951 | 2.955 | 0.0056569 | 2.947 | 2.951 | 2.955 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 2.939 | 2.9512 | 2.969 | 0.009716 | 2.893 | 2.9396 | 2.965 | 0.026336 | -0.066 | -0.0116 | 0.026 | 0.028888 |
| 10 | 2.939 | 2.9512 | 2.969 | 0.009716 | 2.877 | 2.9307 | 2.973 | 0.034299 | -0.082 | -0.0205 | 0.034 | 0.03711 |
| 30 | 2.939 | 2.9512 | 2.969 | 0.009716 | 2.826 | 2.9125 | 2.947 | 0.03621 | -0.113 | -0.0387 | 0.008 | 0.036093 |
| 50 | 2.939 | 2.9512 | 2.969 | 0.009716 | 2.816 | 2.8844 | 2.926 | 0.041385 | -0.143 | -0.0668 | -0.013 | 0.043767 |
| 100 | 2.93 | 2.9521 | 2.975 | 0.015468 | 2.866 | 2.8946 | 2.936 | 0.025939 | -0.088 | -0.0575 | -0.008 | 0.024963 |

# Device Test: 6.114 VOL_10mA_EN3/EN3/7/3/0/0/10/@VOL_EN_10MA



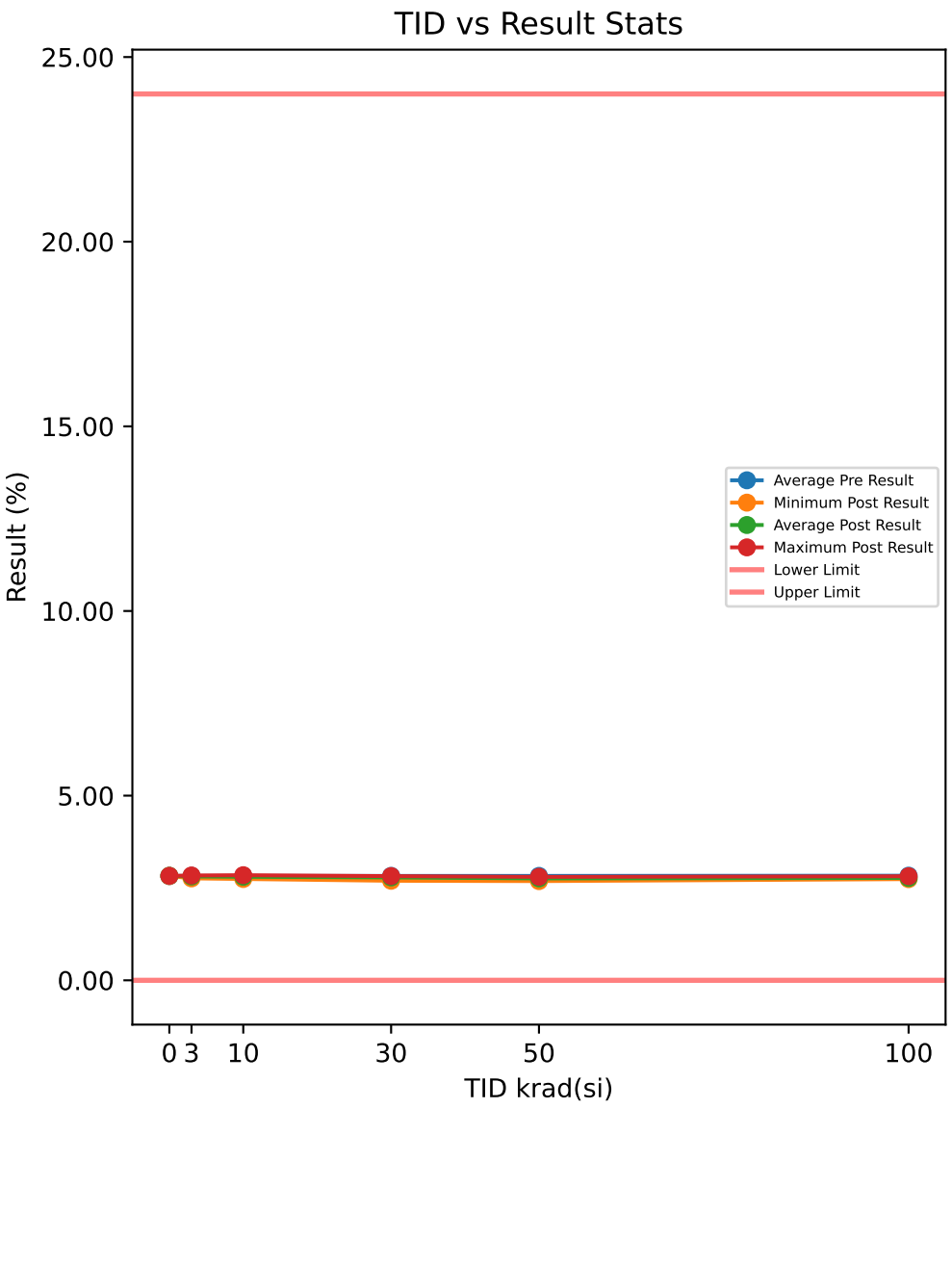

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

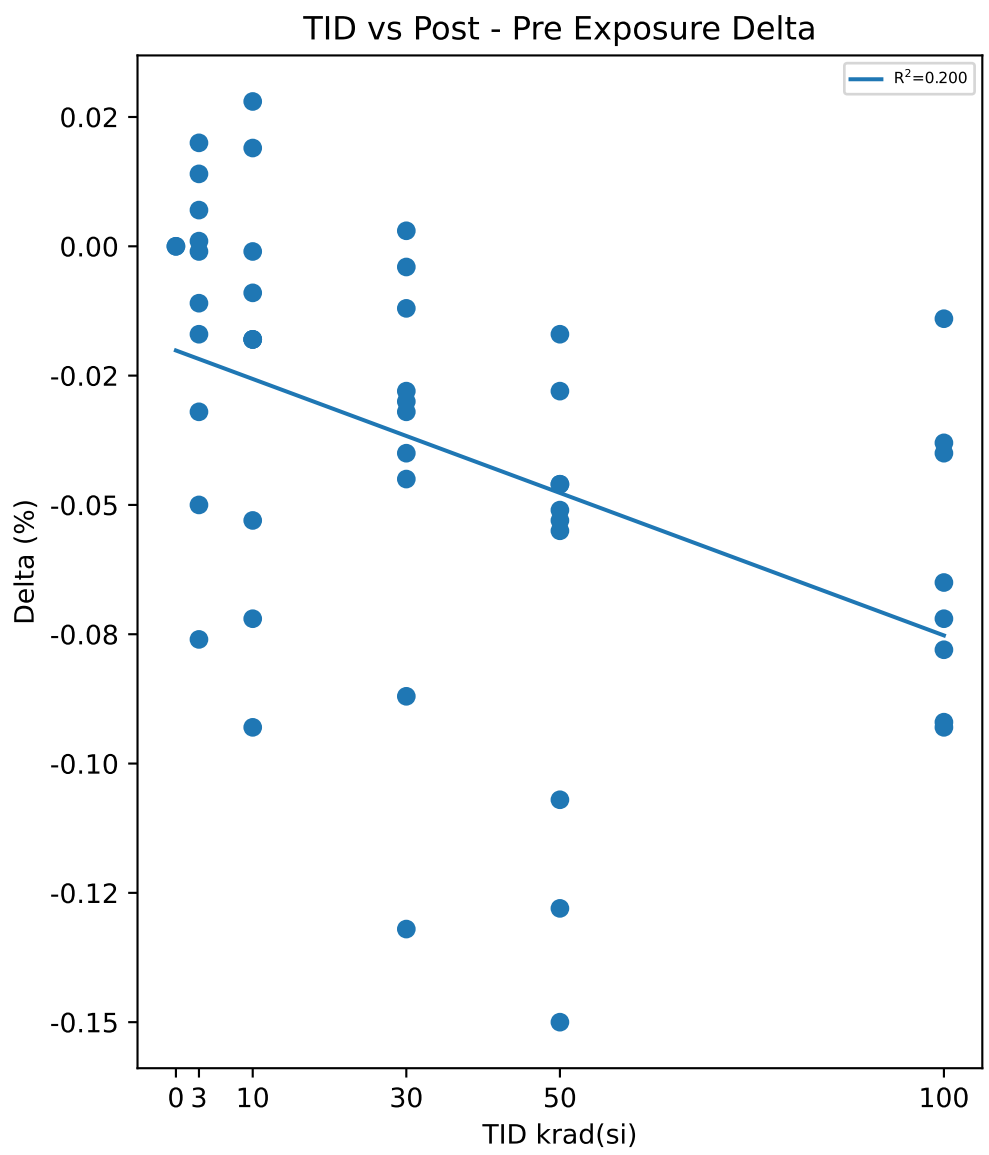
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.911 | 2.911 | 0 |
| 7 | 0 | Correlation | 2.913 | 2.913 | 0 |
| 16 | 3 | LDR-Biased | 2.921 | 2.853 | -0.068 |
| 18 | 3 | LDR-Biased | 2.907 | 2.867 | -0.04 |
| 19 | 3 | LDR-Biased | 2.919 | 2.918 | -0.001 |
| 20 | 3 | LDR-Biased | 2.909 | 2.877 | -0.032 |
| 21 | 3 | LDR-Biased | 2.918 | 2.929 | 0.011 |
| 22 | 3 | LDR-Unbiased | 2.891 | 2.916 | 0.025 |
| 23 | 3 | LDR-Unbiased | 2.907 | 2.924 | 0.017 |
| 25 | 3 | LDR-Unbiased | 2.909 | 2.889 | -0.02 |
| 26 | 3 | LDR-Unbiased | 2.929 | 2.907 | -0.022 |
| 27 | 3 | LDR-Unbiased | 2.912 | 2.925 | 0.013 |
| 46 | 10 | LDR-Biased | 2.921 | 2.836 | -0.085 |
| 48 | 10 | LDR-Biased | 2.907 | 2.844 | -0.063 |
| 49 | 10 | LDR-Biased | 2.919 | 2.893 | -0.026 |
| 50 | 10 | LDR-Biased | 2.909 | 2.855 | -0.054 |
| 51 | 10 | LDR-Biased | 2.918 | 2.909 | -0.009 |
| 52 | 10 | LDR-Unbiased | 2.891 | 2.924 | 0.033 |
| 53 | 10 | LDR-Unbiased | 2.907 | 2.927 | 0.02 |
| 55 | 10 | LDR-Unbiased | 2.909 | 2.891 | -0.018 |
| 56 | 10 | LDR-Unbiased | 2.929 | 2.905 | -0.024 |
| 57 | 10 | LDR-Unbiased | 2.912 | 2.924 | 0.012 |
| 76 | 30 | LDR-Biased | 2.921 | 2.841 | -0.08 |
| 78 | 30 | LDR-Biased | 2.907 | 2.786 | -0.121 |
| 79 | 30 | LDR-Biased | 2.919 | 2.898 | -0.021 |
| 80 | 30 | LDR-Biased | 2.909 | 2.863 | -0.046 |
| 81 | 30 | LDR-Biased | 2.918 | 2.897 | -0.021 |
| 82 | 30 | LDR-Unbiased | 2.891 | 2.899 | 0.008 |
| 83 | 30 | LDR-Unbiased | 2.907 | 2.904 | -0.003 |
| 84 | 30 | LDR-Unbiased | 2.912 | 2.897 | -0.015 |
| 85 | 30 | LDR-Unbiased | 2.909 | 2.867 | -0.042 |
| 86 | 30 | LDR-Unbiased | 2.929 | 2.883 | -0.046 |
| 87 | 100 | LDR-Biased | 2.937 | 2.84 | -0.097 |
| 88 | 100 | LDR-Biased | 2.937 | 2.896 | -0.041 |
| 90 | 100 | LDR-Biased | 2.912 | 2.899 | -0.013 |
| 91 | 100 | LDR-Unbiased | 2.883 | 2.822 | -0.061 |
| 93 | 100 | LDR-Unbiased | 2.918 | 2.849 | -0.069 |
| 94 | 100 | LDR-Unbiased | 2.923 | 2.848 | -0.075 |
| 95 | 100 | LDR-Unbiased | 2.894 | 2.862 | -0.032 |
| 96 | 100 | LDR-Unbiased | 2.914 | 2.824 | -0.09 |
| 106 | 50 | LDR-Biased | 2.921 | 2.776 | -0.145 |
| 108 | 50 | LDR-Biased | 2.907 | 2.809 | -0.098 |
| 109 | 50 | LDR-Biased | 2.919 | 2.863 | -0.056 |
| 110 | 50 | LDR-Biased | 2.909 | 2.779 | -0.13 |
| 111 | 50 | LDR-Biased | 2.918 | 2.874 | -0.044 |
| 112 | 50 | LDR-Unbiased | 2.891 | 2.878 | -0.013 |
| 113 | 50 | LDR-Unbiased | 2.907 | 2.88 | -0.027 |
| 115 | 50 | LDR-Unbiased | 2.909 | 2.845 | -0.064 |
| 116 | 50 | LDR-Unbiased | 2.929 | 2.867 | -0.062 |
| 117 | 50 | LDR-Unbiased | 2.912 | 2.879 | -0.033 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.911 | 2.912 | 2.913 | 0.0014142 | 2.911 | 2.912 | 2.913 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 2.891 | 2.9122 | 2.929 | 0.010347 | 2.853 | 2.9005 | 2.929 | 0.027114 | -0.068 | -0.0117 | 0.025 | 0.029755 |
| 10 | 2.891 | 2.9122 | 2.929 | 0.010347 | 2.836 | 2.8908 | 2.927 | 0.034201 | -0.085 | -0.0214 | 0.033 | 0.037742 |
| 30 | 2.891 | 2.9122 | 2.929 | 0.010347 | 2.786 | 2.8735 | 2.904 | 0.036879 | -0.121 | -0.0387 | 0.008 | 0.038355 |
| 50 | 2.891 | 2.9122 | 2.929 | 0.010347 | 2.776 | 2.845 | 2.88 | 0.041542 | -0.145 | -0.0672 | -0.013 | 0.043931 |
| 100 | 2.883 | 2.9148 | 2.937 | 0.018957 | 2.822 | 2.855 | 2.899 | 0.02934 | -0.097 | -0.05975 | -0.013 | 0.029104 |

# Device Test: 6.115 VOL_10mA_EN4/EN4/7/3/0/0/10/@VOL_EN_10MA



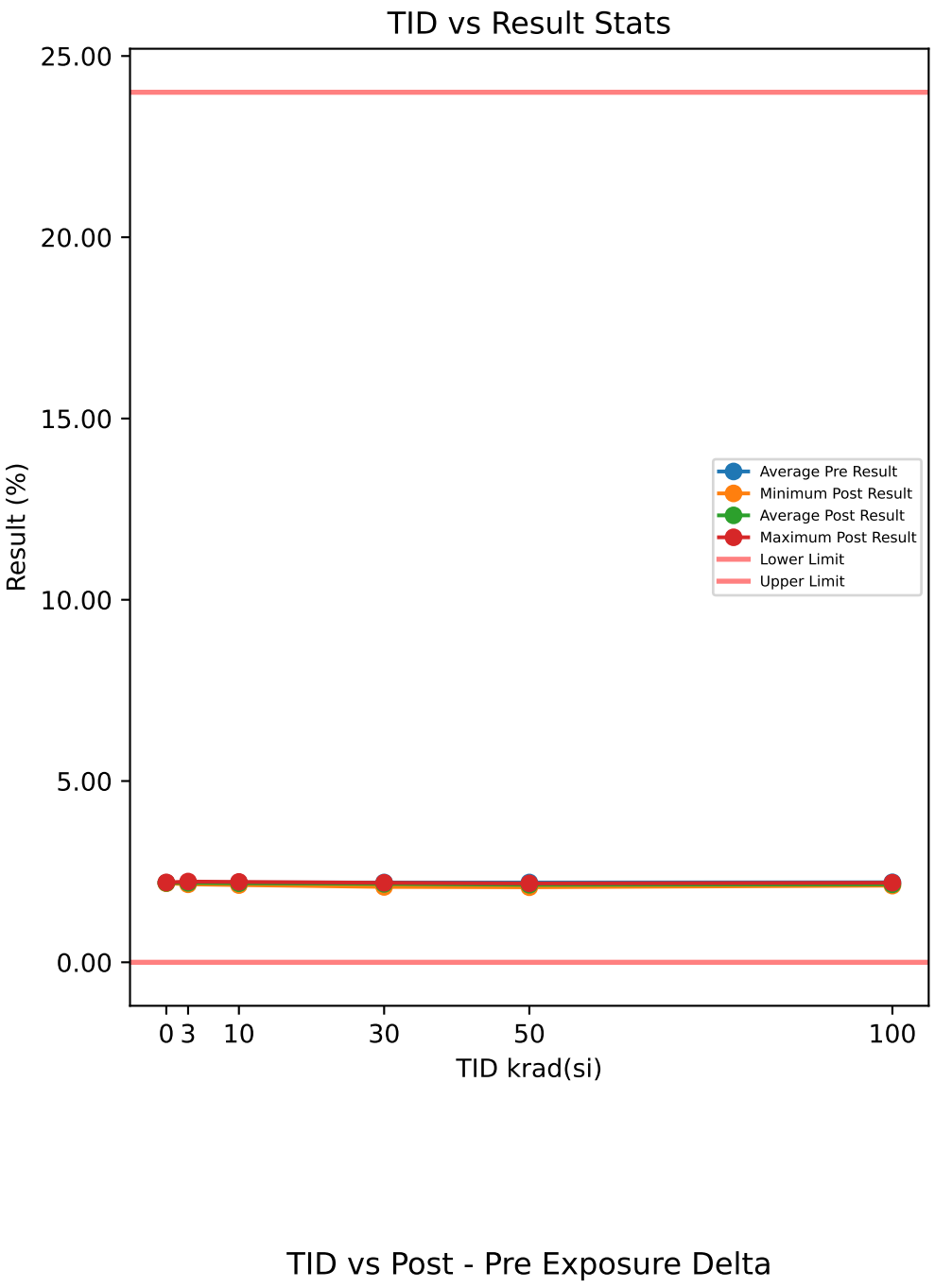

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

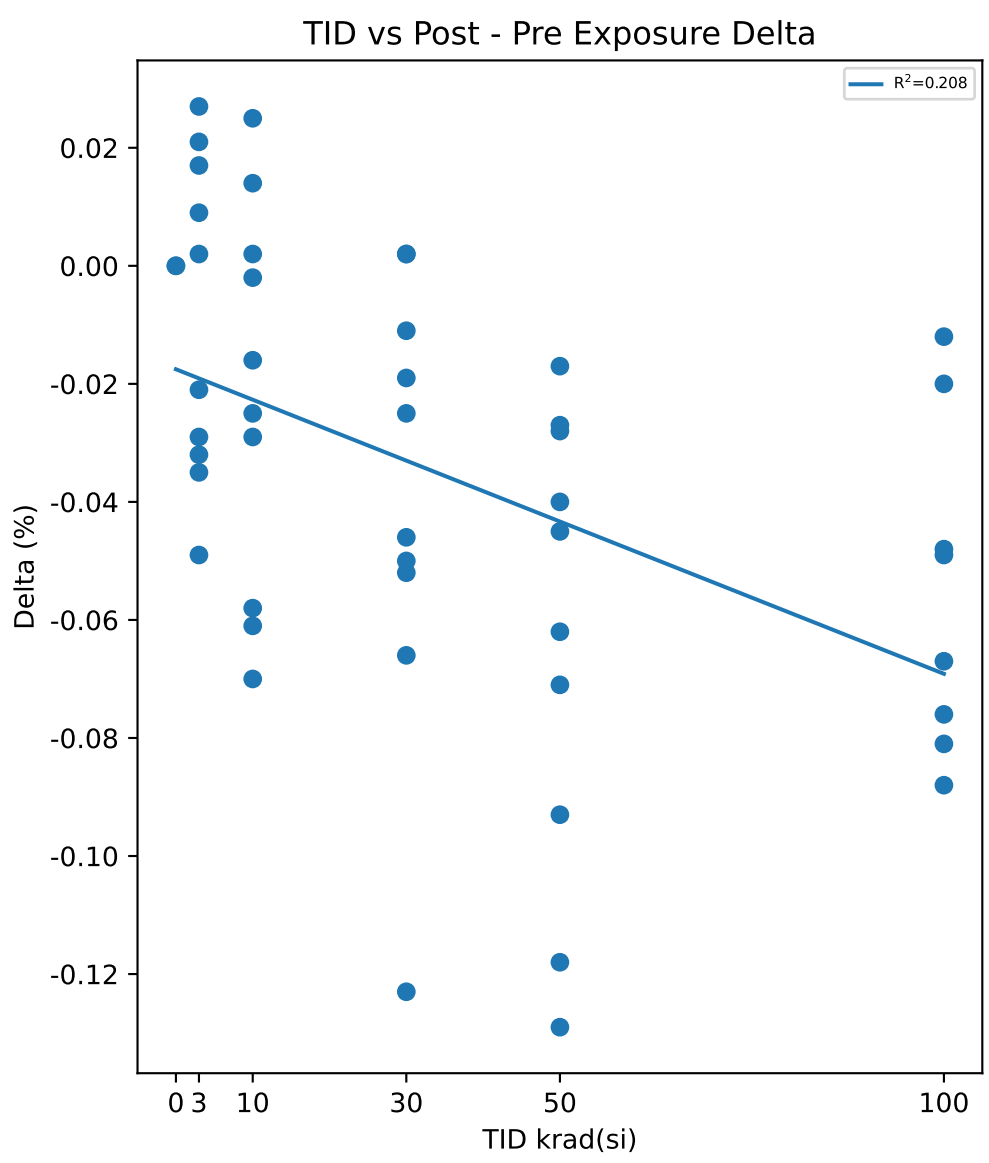
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.827 | 2.827 | 0 |
| 7 | 0 | Correlation | 2.826 | 2.826 | 0 |
| 16 | 3 | LDR-Biased | 2.836 | 2.76 | -0.076 |
| 18 | 3 | LDR-Biased | 2.827 | 2.777 | -0.05 |
| 19 | 3 | LDR-Biased | 2.824 | 2.831 | 0.007 |
| 20 | 3 | LDR-Biased | 2.821 | 2.789 | -0.032 |
| 21 | 3 | LDR-Biased | 2.836 | 2.837 | 0.001 |
| 22 | 3 | LDR-Unbiased | 2.818 | 2.838 | 0.02 |
| 23 | 3 | LDR-Unbiased | 2.817 | 2.831 | 0.014 |
| 25 | 3 | LDR-Unbiased | 2.816 | 2.805 | -0.011 |
| 26 | 3 | LDR-Unbiased | 2.839 | 2.822 | -0.017 |
| 27 | 3 | LDR-Unbiased | 2.832 | 2.831 | -0.001 |
| 46 | 10 | LDR-Biased | 2.836 | 2.743 | -0.093 |
| 48 | 10 | LDR-Biased | 2.827 | 2.755 | -0.072 |
| 49 | 10 | LDR-Biased | 2.824 | 2.806 | -0.018 |
| 50 | 10 | LDR-Biased | 2.821 | 2.768 | -0.053 |
| 51 | 10 | LDR-Biased | 2.836 | 2.818 | -0.018 |
| 52 | 10 | LDR-Unbiased | 2.818 | 2.846 | 0.028 |
| 53 | 10 | LDR-Unbiased | 2.817 | 2.836 | 0.019 |
| 55 | 10 | LDR-Unbiased | 2.816 | 2.807 | -0.009 |
| 56 | 10 | LDR-Unbiased | 2.839 | 2.821 | -0.018 |
| 57 | 10 | LDR-Unbiased | 2.832 | 2.831 | -0.001 |
| 76 | 30 | LDR-Biased | 2.836 | 2.749 | -0.087 |
| 78 | 30 | LDR-Biased | 2.827 | 2.695 | -0.132 |
| 79 | 30 | LDR-Biased | 2.824 | 2.812 | -0.012 |
| 80 | 30 | LDR-Biased | 2.821 | 2.776 | -0.045 |
| 81 | 30 | LDR-Biased | 2.836 | 2.806 | -0.03 |
| 82 | 30 | LDR-Unbiased | 2.818 | 2.821 | 0.003 |
| 83 | 30 | LDR-Unbiased | 2.817 | 2.813 | -0.004 |
| 84 | 30 | LDR-Unbiased | 2.832 | 2.804 | -0.028 |
| 85 | 30 | LDR-Unbiased | 2.816 | 2.784 | -0.032 |
| 86 | 30 | LDR-Unbiased | 2.839 | 2.799 | -0.04 |
| 87 | 100 | LDR-Biased | 2.85 | 2.758 | -0.092 |
| 88 | 100 | LDR-Biased | 2.852 | 2.814 | -0.038 |
| 90 | 100 | LDR-Biased | 2.831 | 2.817 | -0.014 |
| 91 | 100 | LDR-Unbiased | 2.81 | 2.745 | -0.065 |
| 93 | 100 | LDR-Unbiased | 2.836 | 2.764 | -0.072 |
| 94 | 100 | LDR-Unbiased | 2.838 | 2.76 | -0.078 |
| 95 | 100 | LDR-Unbiased | 2.811 | 2.771 | -0.04 |
| 96 | 100 | LDR-Unbiased | 2.833 | 2.74 | -0.093 |
| 106 | 50 | LDR-Biased | 2.836 | 2.686 | -0.15 |
| 108 | 50 | LDR-Biased | 2.827 | 2.72 | -0.107 |
| 109 | 50 | LDR-Biased | 2.824 | 2.778 | -0.046 |
| 110 | 50 | LDR-Biased | 2.821 | 2.693 | -0.128 |
| 111 | 50 | LDR-Biased | 2.836 | 2.785 | -0.051 |
| 112 | 50 | LDR-Unbiased | 2.818 | 2.801 | -0.017 |
| 113 | 50 | LDR-Unbiased | 2.817 | 2.789 | -0.028 |
| 115 | 50 | LDR-Unbiased | 2.816 | 2.763 | -0.053 |
| 116 | 50 | LDR-Unbiased | 2.839 | 2.784 | -0.055 |
| 117 | 50 | LDR-Unbiased | 2.832 | 2.786 | -0.046 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.826 | 2.8265 | 2.827 | 0.00070711 | 2.826 | 2.8265 | 2.827 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 2.816 | 2.8266 | 2.839 | 0.0086692 | 2.76 | 2.8121 | 2.838 | 0.027871 | -0.076 | -0.0145 | 0.02 | 0.030285 |
| 10 | 2.816 | 2.8266 | 2.839 | 0.0086692 | 2.743 | 2.8031 | 2.846 | 0.035629 | -0.093 | -0.0235 | 0.028 | 0.038469 |
| 30 | 2.816 | 2.8266 | 2.839 | 0.0086692 | 2.695 | 2.7859 | 2.821 | 0.038408 | -0.132 | -0.0407 | 0.003 | 0.04073 |
| 50 | 2.816 | 2.8266 | 2.839 | 0.0086692 | 2.686 | 2.7585 | 2.801 | 0.042524 | -0.15 | -0.0681 | -0.017 | 0.044343 |
| 100 | 2.81 | 2.8326 | 2.852 | 0.015583 | 2.74 | 2.7711 | 2.817 | 0.029132 | -0.093 | -0.0615 | -0.014 | 0.028254 |

# Device Test: 6.116 VOL_10mA_SEQ/SEQ_DONE/7/3/0/0/10/@VOL_SEQ_DONE_10MA



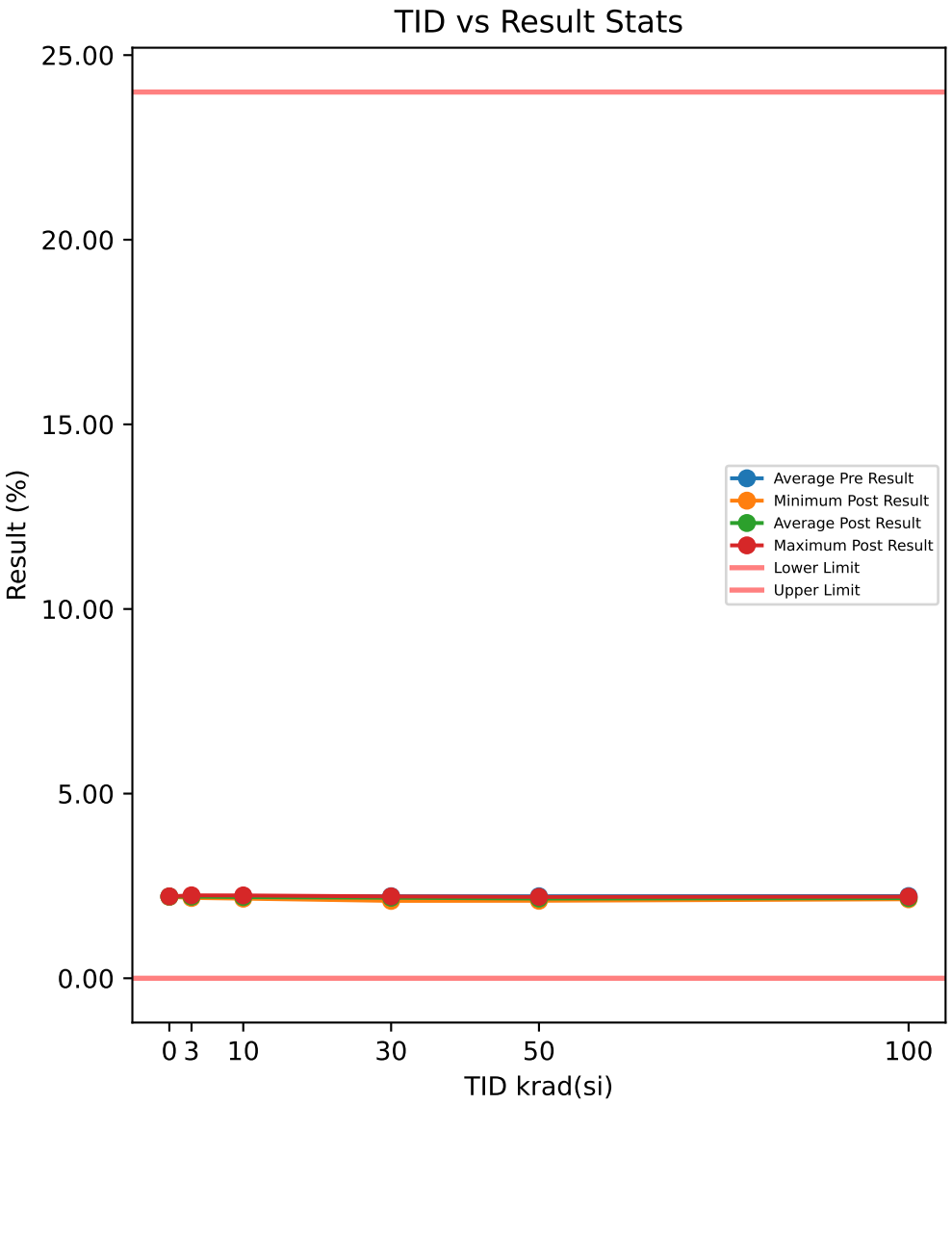

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

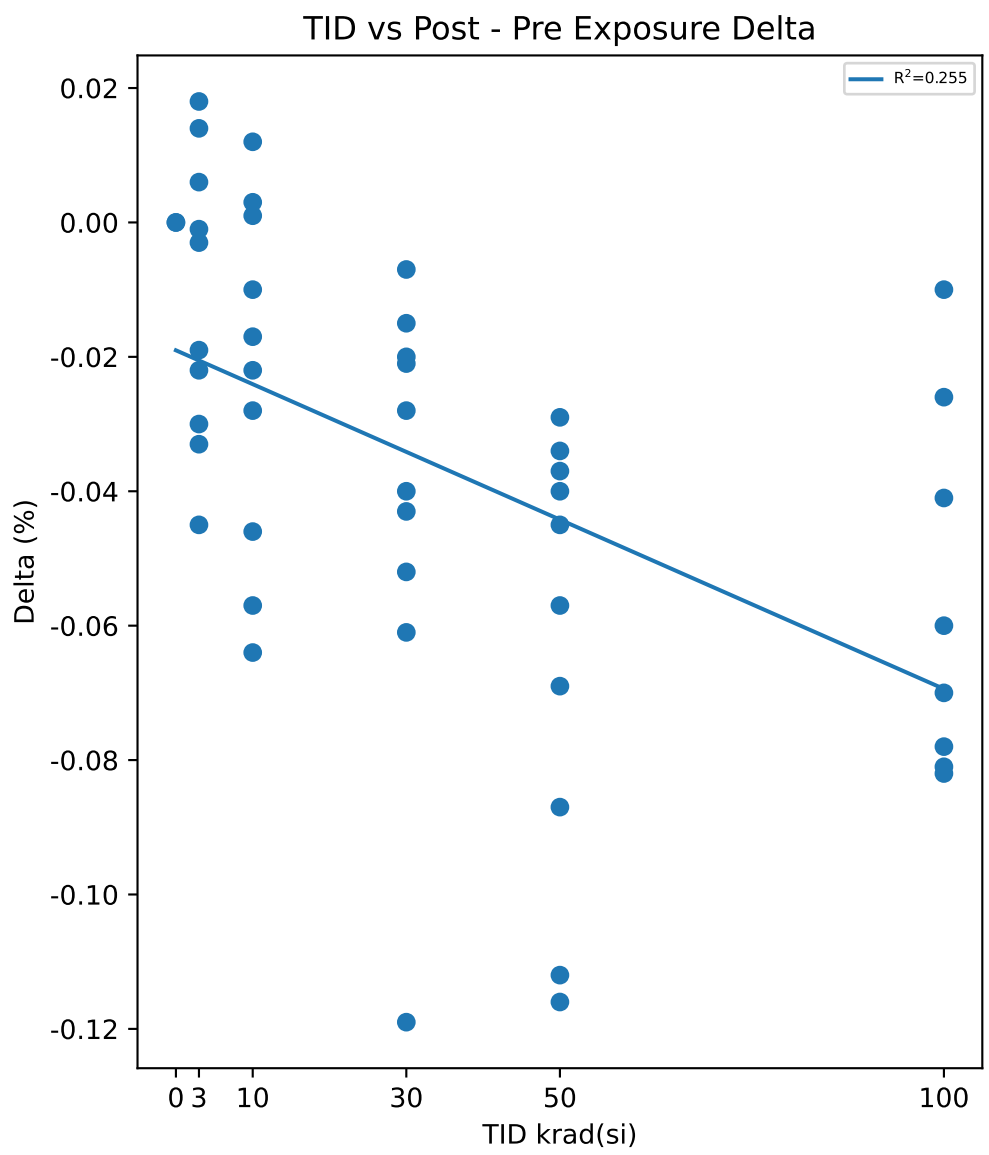
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.203 | 2.203 | 0 |
| 7 | 0 | Correlation | 2.18 | 2.18 | 0 |
| 16 | 3 | LDR-Biased | 2.2 | 2.151 | -0.049 |
| 18 | 3 | LDR-Biased | 2.202 | 2.167 | -0.035 |
| 19 | 3 | LDR-Biased | 2.188 | 2.215 | 0.027 |
| 20 | 3 | LDR-Biased | 2.199 | 2.167 | -0.032 |
| 21 | 3 | LDR-Biased | 2.218 | 2.227 | 0.009 |
| 22 | 3 | LDR-Unbiased | 2.188 | 2.209 | 0.021 |
| 23 | 3 | LDR-Unbiased | 2.197 | 2.199 | 0.002 |
| 25 | 3 | LDR-Unbiased | 2.195 | 2.166 | -0.029 |
| 26 | 3 | LDR-Unbiased | 2.218 | 2.197 | -0.021 |
| 27 | 3 | LDR-Unbiased | 2.203 | 2.22 | 0.017 |
| 46 | 10 | LDR-Biased | 2.2 | 2.13 | -0.07 |
| 48 | 10 | LDR-Biased | 2.202 | 2.141 | -0.061 |
| 49 | 10 | LDR-Biased | 2.188 | 2.186 | -0.002 |
| 50 | 10 | LDR-Biased | 2.199 | 2.141 | -0.058 |
| 51 | 10 | LDR-Biased | 2.218 | 2.202 | -0.016 |
| 52 | 10 | LDR-Unbiased | 2.188 | 2.213 | 0.025 |
| 53 | 10 | LDR-Unbiased | 2.197 | 2.199 | 0.002 |
| 55 | 10 | LDR-Unbiased | 2.195 | 2.166 | -0.029 |
| 56 | 10 | LDR-Unbiased | 2.218 | 2.193 | -0.025 |
| 57 | 10 | LDR-Unbiased | 2.203 | 2.217 | 0.014 |
| 76 | 30 | LDR-Biased | 2.2 | 2.134 | -0.066 |
| 78 | 30 | LDR-Biased | 2.202 | 2.079 | -0.123 |
| 79 | 30 | LDR-Biased | 2.188 | 2.19 | 0.002 |
| 80 | 30 | LDR-Biased | 2.199 | 2.149 | -0.05 |
| 81 | 30 | LDR-Biased | 2.218 | 2.193 | -0.025 |
| 82 | 30 | LDR-Unbiased | 2.188 | 2.19 | 0.002 |
| 83 | 30 | LDR-Unbiased | 2.197 | 2.178 | -0.019 |
| 84 | 30 | LDR-Unbiased | 2.203 | 2.192 | -0.011 |
| 85 | 30 | LDR-Unbiased | 2.195 | 2.143 | -0.052 |
| 86 | 30 | LDR-Unbiased | 2.218 | 2.172 | -0.046 |
| 87 | 100 | LDR-Biased | 2.228 | 2.14 | -0.088 |
| 88 | 100 | LDR-Biased | 2.212 | 2.192 | -0.02 |
| 90 | 100 | LDR-Biased | 2.206 | 2.194 | -0.012 |
| 91 | 100 | LDR-Unbiased | 2.182 | 2.115 | -0.067 |
| 93 | 100 | LDR-Unbiased | 2.218 | 2.137 | -0.081 |
| 94 | 100 | LDR-Unbiased | 2.202 | 2.154 | -0.048 |
| 95 | 100 | LDR-Unbiased | 2.193 | 2.144 | -0.049 |
| 96 | 100 | LDR-Unbiased | 2.204 | 2.128 | -0.076 |
| 106 | 50 | LDR-Biased | 2.2 | 2.082 | -0.118 |
| 108 | 50 | LDR-Biased | 2.202 | 2.109 | -0.093 |
| 109 | 50 | LDR-Biased | 2.188 | 2.161 | -0.027 |
| 110 | 50 | LDR-Biased | 2.199 | 2.07 | -0.129 |
| 111 | 50 | LDR-Biased | 2.218 | 2.173 | -0.045 |
| 112 | 50 | LDR-Unbiased | 2.188 | 2.171 | -0.017 |
| 113 | 50 | LDR-Unbiased | 2.197 | 2.157 | -0.04 |
| 115 | 50 | LDR-Unbiased | 2.195 | 2.124 | -0.071 |
| 116 | 50 | LDR-Unbiased | 2.218 | 2.156 | -0.062 |
| 117 | 50 | LDR-Unbiased | 2.203 | 2.175 | -0.028 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.18 | 2.1915 | 2.203 | 0.016263 | 2.18 | 2.1915 | 2.203 | 0.016263 | 0 | 0 | 0 | 0 |
| 3 | 2.188 | 2.2008 | 2.218 | 0.010422 | 2.151 | 2.1918 | 2.227 | 0.02689 | -0.049 | -0.009 | 0.027 | 0.027215 |
| 10 | 2.188 | 2.2008 | 2.218 | 0.010422 | 2.13 | 2.1788 | 2.217 | 0.032027 | -0.07 | -0.022 | 0.025 | 0.032823 |
| 30 | 2.188 | 2.2008 | 2.218 | 0.010422 | 2.079 | 2.162 | 2.193 | 0.036497 | -0.123 | -0.0388 | 0.002 | 0.037809 |
| 50 | 2.188 | 2.2008 | 2.218 | 0.010422 | 2.07 | 2.1378 | 2.175 | 0.039007 | -0.129 | -0.063 | -0.017 | 0.039209 |
| 100 | 2.182 | 2.2056 | 2.228 | 0.014282 | 2.115 | 2.1505 | 2.194 | 0.028606 | -0.088 | -0.055125 | -0.012 | 0.028053 |

# Device Test: 6.117 VOL_10mA_PWRGD/PWRGD/7/3/0/0/10/@VOL_PWRGD_10MA



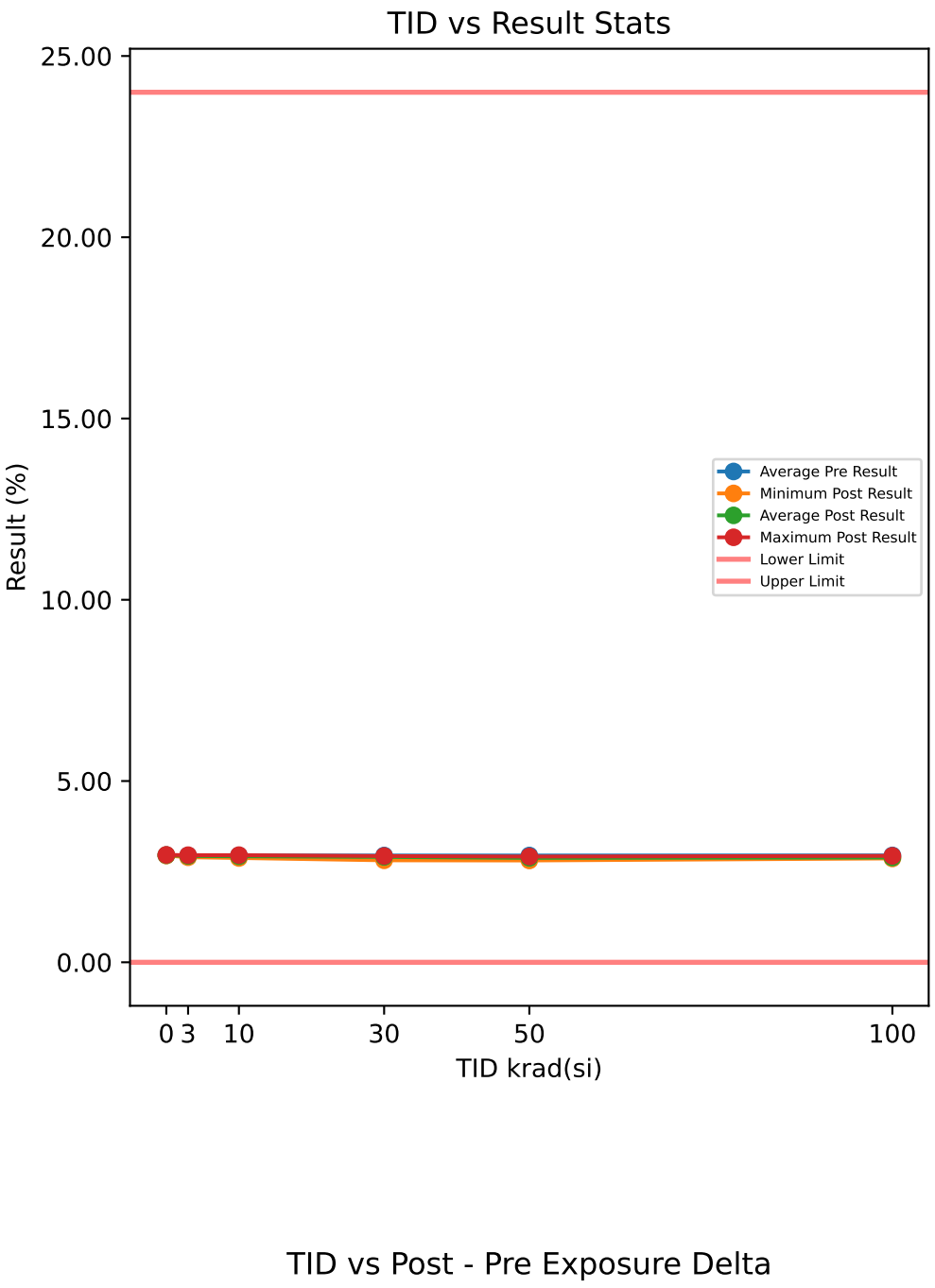

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

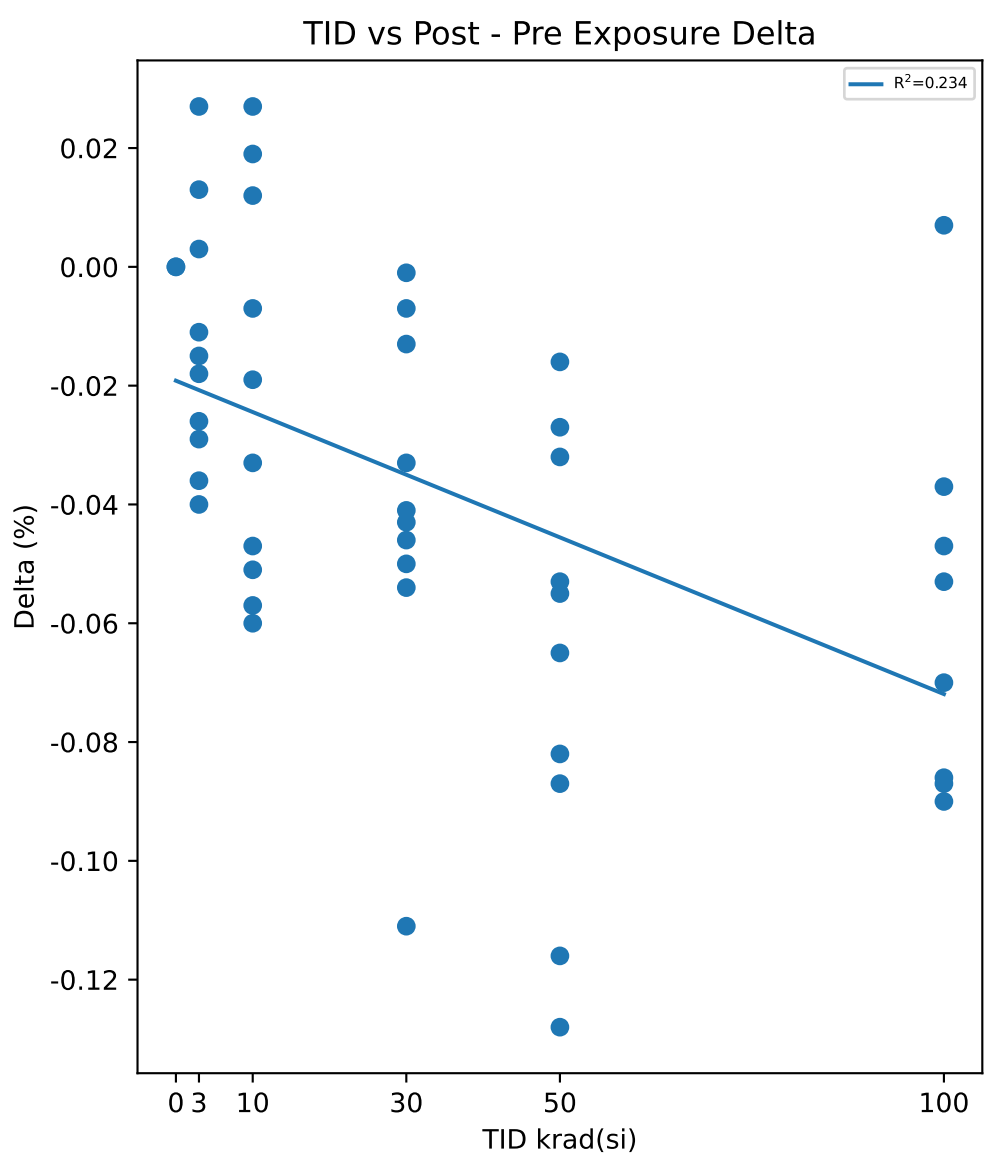
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.217 | 2.217 | 0 |
| 7 | 0 | Correlation | 2.206 | 2.206 | 0 |
| 16 | 3 | LDR-Biased | 2.22 | 2.175 | -0.045 |
| 18 | 3 | LDR-Biased | 2.214 | 2.181 | -0.033 |
| 19 | 3 | LDR-Biased | 2.217 | 2.235 | 0.018 |
| 20 | 3 | LDR-Biased | 2.214 | 2.192 | -0.022 |
| 21 | 3 | LDR-Biased | 2.235 | 2.241 | 0.006 |
| 22 | 3 | LDR-Unbiased | 2.215 | 2.212 | -0.003 |
| 23 | 3 | LDR-Unbiased | 2.216 | 2.215 | -0.001 |
| 25 | 3 | LDR-Unbiased | 2.217 | 2.187 | -0.03 |
| 26 | 3 | LDR-Unbiased | 2.23 | 2.211 | -0.019 |
| 27 | 3 | LDR-Unbiased | 2.231 | 2.245 | 0.014 |
| 46 | 10 | LDR-Biased | 2.22 | 2.156 | -0.064 |
| 48 | 10 | LDR-Biased | 2.214 | 2.157 | -0.057 |
| 49 | 10 | LDR-Biased | 2.217 | 2.207 | -0.01 |
| 50 | 10 | LDR-Biased | 2.214 | 2.168 | -0.046 |
| 51 | 10 | LDR-Biased | 2.235 | 2.218 | -0.017 |
| 52 | 10 | LDR-Unbiased | 2.215 | 2.218 | 0.003 |
| 53 | 10 | LDR-Unbiased | 2.216 | 2.217 | 0.001 |
| 55 | 10 | LDR-Unbiased | 2.217 | 2.189 | -0.028 |
| 56 | 10 | LDR-Unbiased | 2.23 | 2.208 | -0.022 |
| 57 | 10 | LDR-Unbiased | 2.231 | 2.243 | 0.012 |
| 76 | 30 | LDR-Biased | 2.22 | 2.159 | -0.061 |
| 78 | 30 | LDR-Biased | 2.214 | 2.095 | -0.119 |
| 79 | 30 | LDR-Biased | 2.217 | 2.21 | -0.007 |
| 80 | 30 | LDR-Biased | 2.214 | 2.174 | -0.04 |
| 81 | 30 | LDR-Biased | 2.235 | 2.207 | -0.028 |
| 82 | 30 | LDR-Unbiased | 2.215 | 2.195 | -0.02 |
| 83 | 30 | LDR-Unbiased | 2.216 | 2.195 | -0.021 |
| 84 | 30 | LDR-Unbiased | 2.231 | 2.216 | -0.015 |
| 85 | 30 | LDR-Unbiased | 2.217 | 2.165 | -0.052 |
| 86 | 30 | LDR-Unbiased | 2.23 | 2.187 | -0.043 |
| 87 | 100 | LDR-Biased | 2.235 | 2.154 | -0.081 |
| 88 | 100 | LDR-Biased | 2.232 | 2.206 | -0.026 |
| 90 | 100 | LDR-Biased | 2.219 | 2.209 | -0.01 |
| 91 | 100 | LDR-Unbiased | 2.209 | 2.139 | -0.07 |
| 93 | 100 | LDR-Unbiased | 2.235 | 2.153 | -0.082 |
| 94 | 100 | LDR-Unbiased | 2.222 | 2.181 | -0.041 |
| 95 | 100 | LDR-Unbiased | 2.22 | 2.16 | -0.06 |
| 96 | 100 | LDR-Unbiased | 2.232 | 2.154 | -0.078 |
| 106 | 50 | LDR-Biased | 2.22 | 2.108 | -0.112 |
| 108 | 50 | LDR-Biased | 2.214 | 2.127 | -0.087 |
| 109 | 50 | LDR-Biased | 2.217 | 2.183 | -0.034 |
| 110 | 50 | LDR-Biased | 2.214 | 2.098 | -0.116 |
| 111 | 50 | LDR-Biased | 2.235 | 2.19 | -0.045 |
| 112 | 50 | LDR-Unbiased | 2.215 | 2.178 | -0.037 |
| 113 | 50 | LDR-Unbiased | 2.216 | 2.176 | -0.04 |
| 115 | 50 | LDR-Unbiased | 2.217 | 2.148 | -0.069 |
| 116 | 50 | LDR-Unbiased | 2.23 | 2.173 | -0.057 |
| 117 | 50 | LDR-Unbiased | 2.231 | 2.202 | -0.029 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.206 | 2.2115 | 2.217 | 0.0077782 | 2.206 | 2.2115 | 2.217 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 2.214 | 2.2209 | 2.235 | 0.0079505 | 2.175 | 2.2094 | 2.245 | 0.02529 | -0.045 | -0.0115 | 0.018 | 0.02135 |
| 10 | 2.214 | 2.2209 | 2.235 | 0.0079505 | 2.156 | 2.1981 | 2.243 | 0.029426 | -0.064 | -0.0228 | 0.012 | 0.025978 |
| 30 | 2.214 | 2.2209 | 2.235 | 0.0079505 | 2.095 | 2.1803 | 2.216 | 0.035512 | -0.119 | -0.0406 | -0.007 | 0.032404 |
| 50 | 2.214 | 2.2209 | 2.235 | 0.0079505 | 2.098 | 2.1583 | 2.202 | 0.036046 | -0.116 | -0.0626 | -0.029 | 0.032288 |
| 100 | 2.209 | 2.2255 | 2.235 | 0.0094264 | 2.139 | 2.1695 | 2.209 | 0.026181 | -0.082 | -0.056 | -0.01 | 0.027355 |

# Device Test: 6.118 VOL_10mA_EN1/EN1/7/14/0/0/10/@VOL_EN_10MA



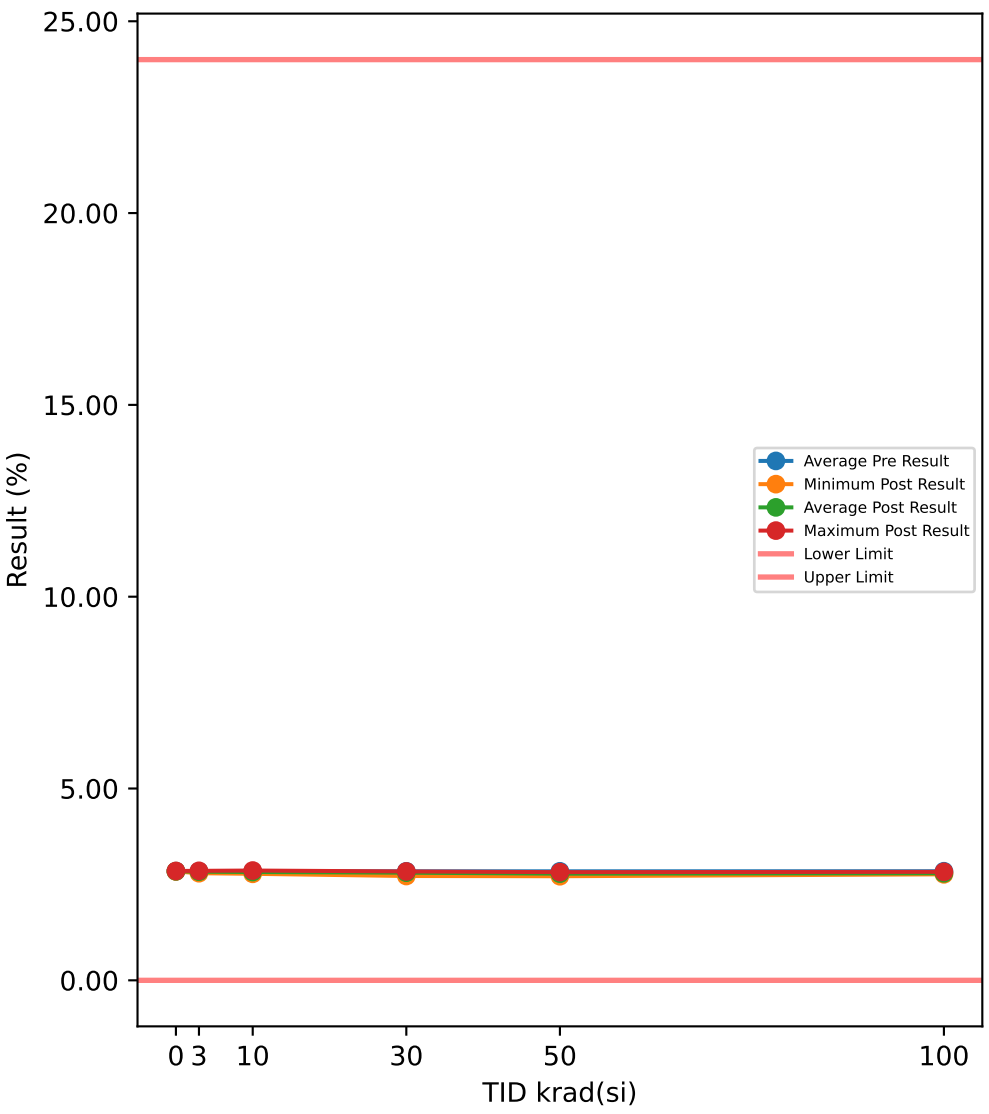

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

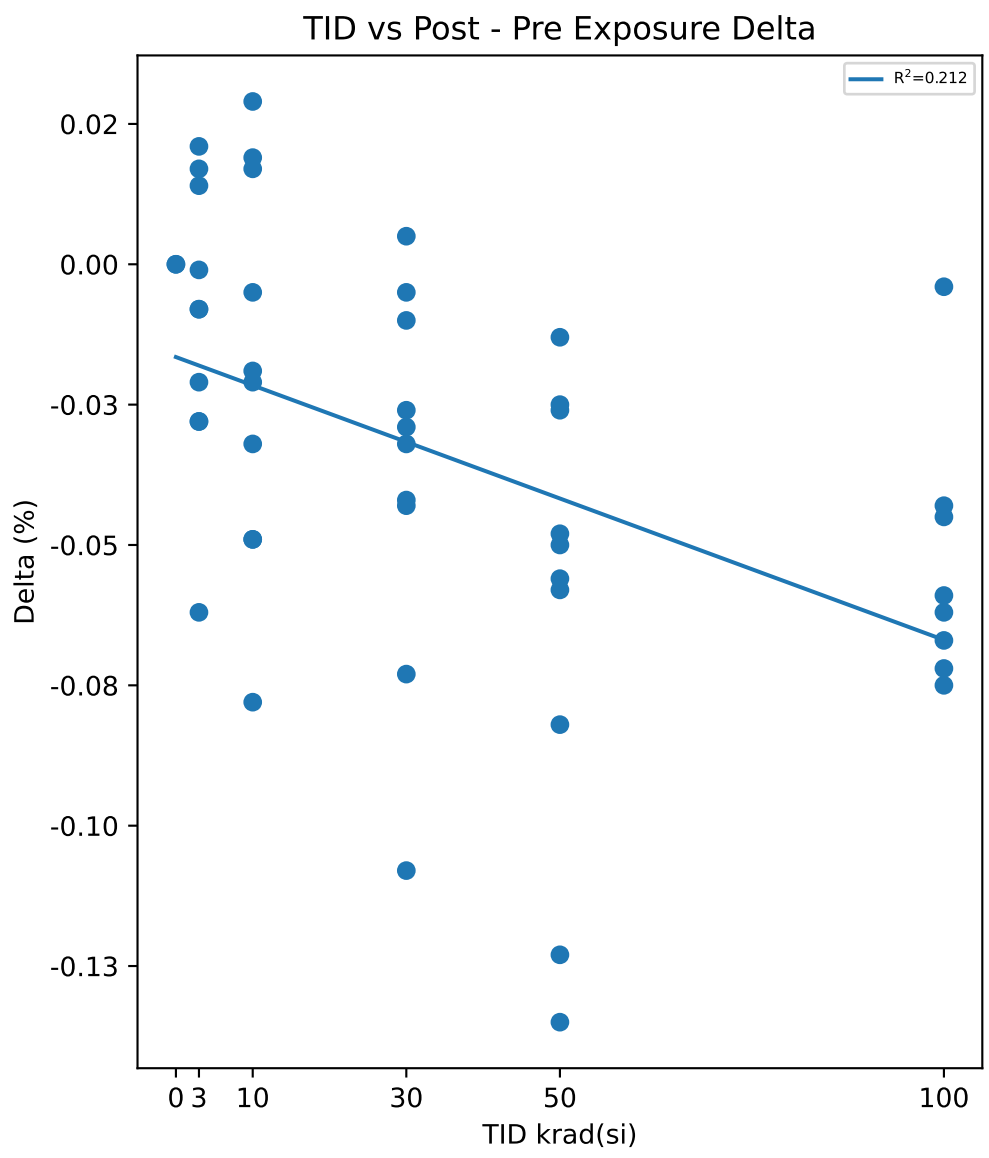
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.946 | 2.946 | 0 |
| 7 | 0 | Correlation | 2.964 | 2.964 | 0 |
| 16 | 3 | LDR-Biased | 2.953 | 2.913 | -0.04 |
| 18 | 3 | LDR-Biased | 2.924 | 2.898 | -0.026 |
| 19 | 3 | LDR-Biased | 2.952 | 2.916 | -0.036 |
| 20 | 3 | LDR-Biased | 2.937 | 2.908 | -0.029 |
| 21 | 3 | LDR-Biased | 2.964 | 2.949 | -0.015 |
| 22 | 3 | LDR-Unbiased | 2.943 | 2.946 | 0.003 |
| 23 | 3 | LDR-Unbiased | 2.929 | 2.942 | 0.013 |
| 25 | 3 | LDR-Unbiased | 2.958 | 2.947 | -0.011 |
| 26 | 3 | LDR-Unbiased | 2.972 | 2.954 | -0.018 |
| 27 | 3 | LDR-Unbiased | 2.926 | 2.953 | 0.027 |
| 46 | 10 | LDR-Biased | 2.953 | 2.896 | -0.057 |
| 48 | 10 | LDR-Biased | 2.924 | 2.877 | -0.047 |
| 49 | 10 | LDR-Biased | 2.952 | 2.892 | -0.06 |
| 50 | 10 | LDR-Biased | 2.937 | 2.886 | -0.051 |
| 51 | 10 | LDR-Biased | 2.964 | 2.931 | -0.033 |
| 52 | 10 | LDR-Unbiased | 2.943 | 2.955 | 0.012 |
| 53 | 10 | LDR-Unbiased | 2.929 | 2.948 | 0.019 |
| 55 | 10 | LDR-Unbiased | 2.958 | 2.951 | -0.007 |
| 56 | 10 | LDR-Unbiased | 2.972 | 2.953 | -0.019 |
| 57 | 10 | LDR-Unbiased | 2.926 | 2.953 | 0.027 |
| 76 | 30 | LDR-Biased | 2.953 | 2.903 | -0.05 |
| 78 | 30 | LDR-Biased | 2.924 | 2.813 | -0.111 |
| 79 | 30 | LDR-Biased | 2.952 | 2.898 | -0.054 |
| 80 | 30 | LDR-Biased | 2.937 | 2.894 | -0.043 |
| 81 | 30 | LDR-Biased | 2.964 | 2.918 | -0.046 |
| 82 | 30 | LDR-Unbiased | 2.943 | 2.93 | -0.013 |
| 83 | 30 | LDR-Unbiased | 2.929 | 2.922 | -0.007 |
| 84 | 30 | LDR-Unbiased | 2.926 | 2.925 | -0.001 |
| 85 | 30 | LDR-Unbiased | 2.958 | 2.925 | -0.033 |
| 86 | 30 | LDR-Unbiased | 2.972 | 2.931 | -0.041 |
| 87 | 100 | LDR-Biased | 2.968 | 2.882 | -0.086 |
| 88 | 100 | LDR-Biased | 2.969 | 2.932 | -0.037 |
| 90 | 100 | LDR-Biased | 2.929 | 2.936 | 0.007 |
| 91 | 100 | LDR-Unbiased | 2.935 | 2.865 | -0.07 |
| 93 | 100 | LDR-Unbiased | 2.965 | 2.878 | -0.087 |
| 94 | 100 | LDR-Unbiased | 2.955 | 2.865 | -0.09 |
| 95 | 100 | LDR-Unbiased | 2.934 | 2.887 | -0.047 |
| 96 | 100 | LDR-Unbiased | 2.928 | 2.875 | -0.053 |
| 106 | 50 | LDR-Biased | 2.953 | 2.837 | -0.116 |
| 108 | 50 | LDR-Biased | 2.924 | 2.842 | -0.082 |
| 109 | 50 | LDR-Biased | 2.952 | 2.865 | -0.087 |
| 110 | 50 | LDR-Biased | 2.937 | 2.809 | -0.128 |
| 111 | 50 | LDR-Biased | 2.964 | 2.899 | -0.065 |
| 112 | 50 | LDR-Unbiased | 2.943 | 2.911 | -0.032 |
| 113 | 50 | LDR-Unbiased | 2.929 | 2.902 | -0.027 |
| 115 | 50 | LDR-Unbiased | 2.958 | 2.905 | -0.053 |
| 116 | 50 | LDR-Unbiased | 2.972 | 2.917 | -0.055 |
| 117 | 50 | LDR-Unbiased | 2.926 | 2.91 | -0.016 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.946 | 2.955 | 2.964 | 0.012728 | 2.946 | 2.955 | 2.964 | 0.012728 | 0 | 0 | 0 | 0 |
| 3 | 2.924 | 2.9458 | 2.972 | 0.016639 | 2.898 | 2.9326 | 2.954 | 0.021293 | -0.04 | -0.0132 | 0.027 | 0.021725 |
| 10 | 2.924 | 2.9458 | 2.972 | 0.016639 | 2.877 | 2.9242 | 2.955 | 0.032417 | -0.06 | -0.0216 | 0.027 | 0.032874 |
| 30 | 2.924 | 2.9458 | 2.972 | 0.016639 | 2.813 | 2.9059 | 2.931 | 0.035259 | -0.111 | -0.0399 | -0.001 | 0.031218 |
| 50 | 2.924 | 2.9458 | 2.972 | 0.016639 | 2.809 | 2.8797 | 2.917 | 0.038381 | -0.128 | -0.0661 | -0.016 | 0.037281 |
| 100 | 2.928 | 2.9479 | 2.969 | 0.018146 | 2.865 | 2.89 | 2.936 | 0.028213 | -0.09 | -0.057875 | 0.007 | 0.032961 |

# Device Test: 6.119 VOL_10mA_EN2/EN2/7/14/0/0/10/@VOL_EN_10MA



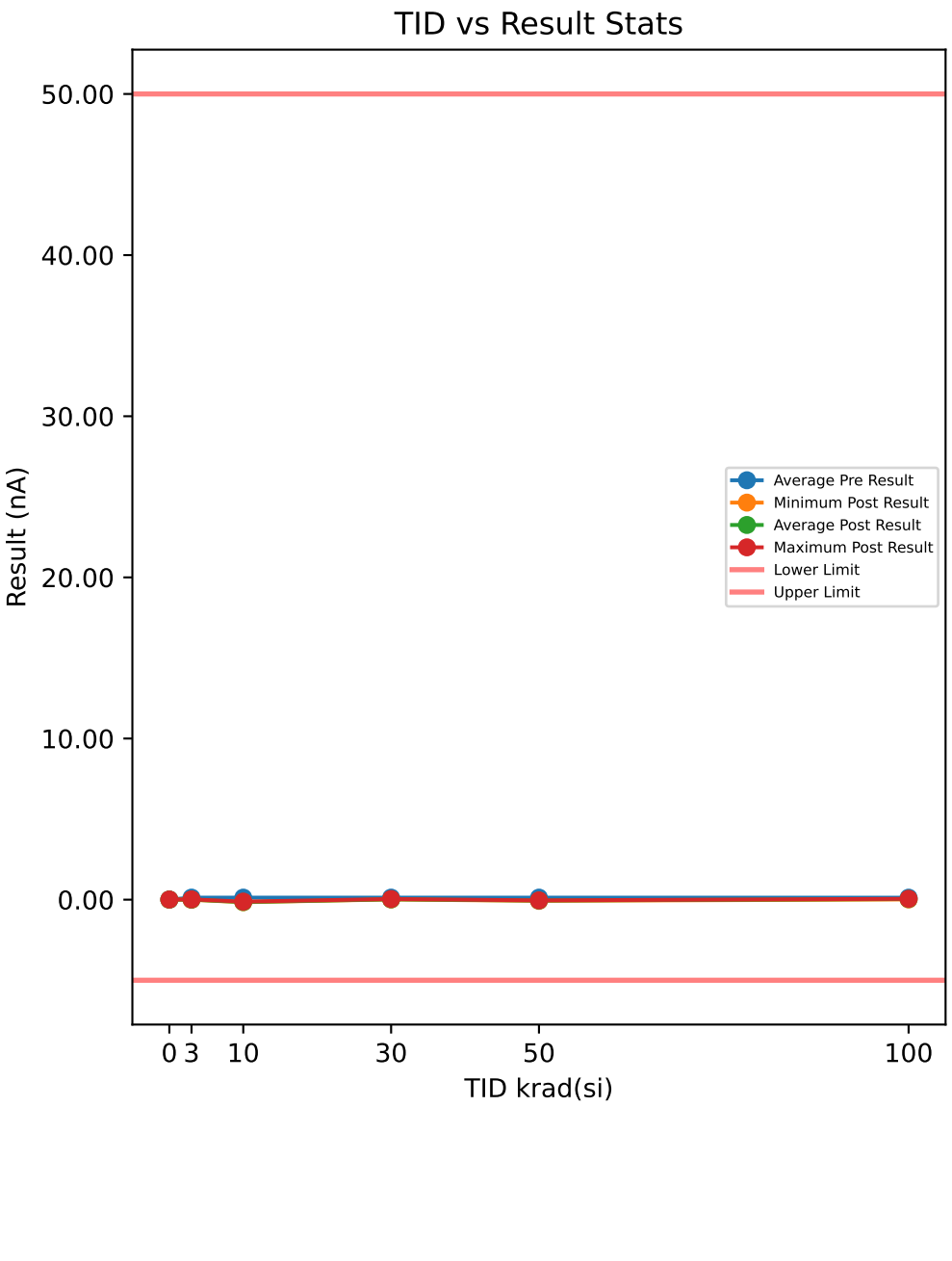

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

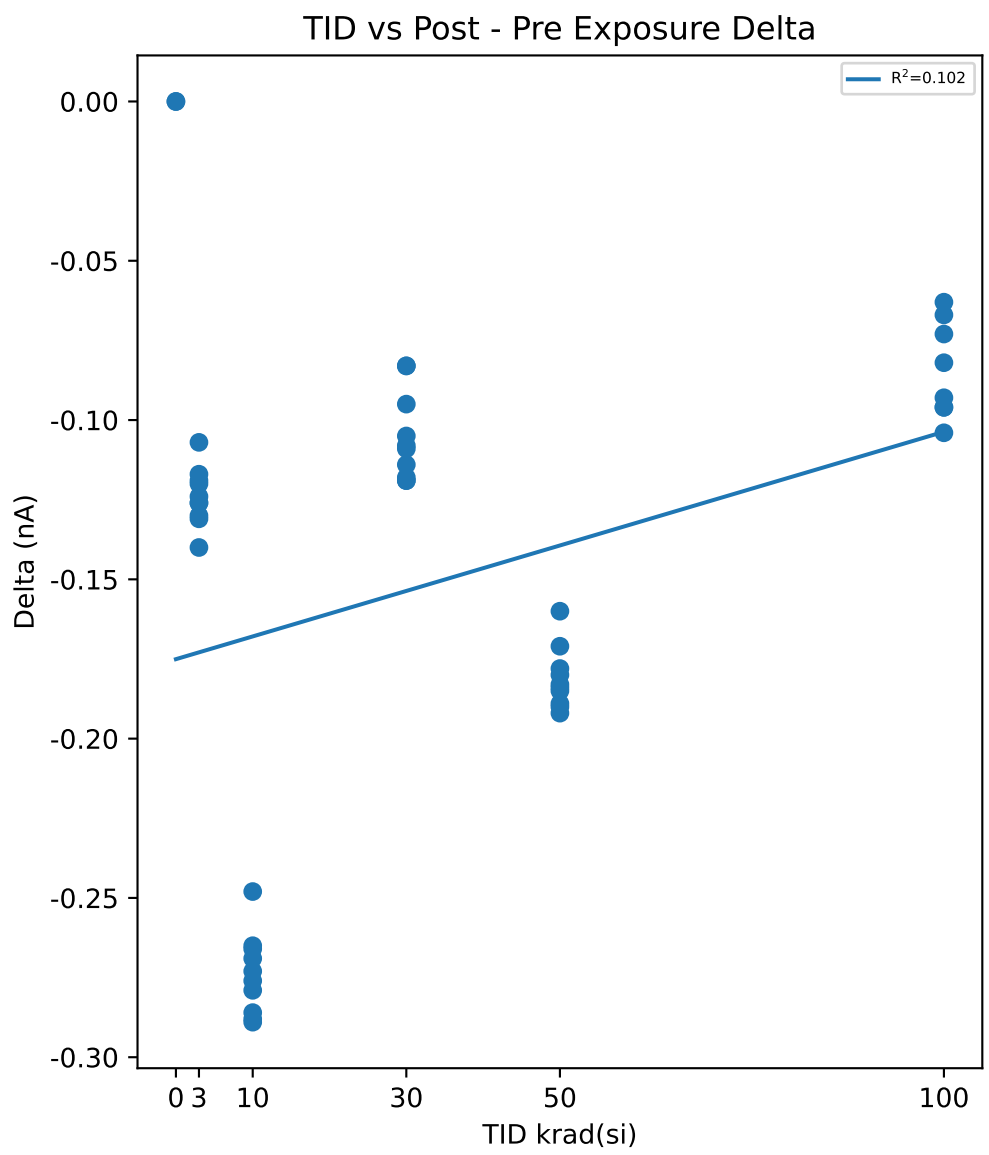
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.838 | 2.838 | 0 |
| 7 | 0 | Correlation | 2.851 | 2.851 | 0 |
| 16 | 3 | LDR-Biased | 2.854 | 2.792 | -0.062 |
| 18 | 3 | LDR-Biased | 2.827 | 2.799 | -0.028 |
| 19 | 3 | LDR-Biased | 2.847 | 2.839 | -0.008 |
| 20 | 3 | LDR-Biased | 2.836 | 2.808 | -0.028 |
| 21 | 3 | LDR-Biased | 2.851 | 2.85 | -0.001 |
| 22 | 3 | LDR-Unbiased | 2.833 | 2.854 | 0.021 |
| 23 | 3 | LDR-Unbiased | 2.836 | 2.85 | 0.014 |
| 25 | 3 | LDR-Unbiased | 2.841 | 2.833 | -0.008 |
| 26 | 3 | LDR-Unbiased | 2.864 | 2.843 | -0.021 |
| 27 | 3 | LDR-Unbiased | 2.83 | 2.847 | 0.017 |
| 46 | 10 | LDR-Biased | 2.854 | 2.776 | -0.078 |
| 48 | 10 | LDR-Biased | 2.827 | 2.778 | -0.049 |
| 49 | 10 | LDR-Biased | 2.847 | 2.815 | -0.032 |
| 50 | 10 | LDR-Biased | 2.836 | 2.787 | -0.049 |
| 51 | 10 | LDR-Biased | 2.851 | 2.832 | -0.019 |
| 52 | 10 | LDR-Unbiased | 2.833 | 2.862 | 0.029 |
| 53 | 10 | LDR-Unbiased | 2.836 | 2.855 | 0.019 |
| 55 | 10 | LDR-Unbiased | 2.841 | 2.836 | -0.005 |
| 56 | 10 | LDR-Unbiased | 2.864 | 2.843 | -0.021 |
| 57 | 10 | LDR-Unbiased | 2.83 | 2.847 | 0.017 |
| 76 | 30 | LDR-Biased | 2.854 | 2.781 | -0.073 |
| 78 | 30 | LDR-Biased | 2.827 | 2.719 | -0.108 |
| 79 | 30 | LDR-Biased | 2.847 | 2.821 | -0.026 |
| 80 | 30 | LDR-Biased | 2.836 | 2.794 | -0.042 |
| 81 | 30 | LDR-Biased | 2.851 | 2.819 | -0.032 |
| 82 | 30 | LDR-Unbiased | 2.833 | 2.838 | 0.005 |
| 83 | 30 | LDR-Unbiased | 2.836 | 2.831 | -0.005 |
| 84 | 30 | LDR-Unbiased | 2.83 | 2.82 | -0.01 |
| 85 | 30 | LDR-Unbiased | 2.841 | 2.812 | -0.029 |
| 86 | 30 | LDR-Unbiased | 2.864 | 2.821 | -0.043 |
| 87 | 100 | LDR-Biased | 2.853 | 2.778 | -0.075 |
| 88 | 100 | LDR-Biased | 2.87 | 2.825 | -0.045 |
| 90 | 100 | LDR-Biased | 2.832 | 2.828 | -0.004 |
| 91 | 100 | LDR-Unbiased | 2.825 | 2.763 | -0.062 |
| 93 | 100 | LDR-Unbiased | 2.852 | 2.785 | -0.067 |
| 94 | 100 | LDR-Unbiased | 2.857 | 2.785 | -0.072 |
| 95 | 100 | LDR-Unbiased | 2.829 | 2.786 | -0.043 |
| 96 | 100 | LDR-Unbiased | 2.832 | 2.773 | -0.059 |
| 106 | 50 | LDR-Biased | 2.854 | 2.719 | -0.135 |
| 108 | 50 | LDR-Biased | 2.827 | 2.745 | -0.082 |
| 109 | 50 | LDR-Biased | 2.847 | 2.789 | -0.058 |
| 110 | 50 | LDR-Biased | 2.836 | 2.713 | -0.123 |
| 111 | 50 | LDR-Biased | 2.851 | 2.801 | -0.05 |
| 112 | 50 | LDR-Unbiased | 2.833 | 2.82 | -0.013 |
| 113 | 50 | LDR-Unbiased | 2.836 | 2.81 | -0.026 |
| 115 | 50 | LDR-Unbiased | 2.841 | 2.793 | -0.048 |
| 116 | 50 | LDR-Unbiased | 2.864 | 2.808 | -0.056 |
| 117 | 50 | LDR-Unbiased | 2.83 | 2.805 | -0.025 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.838 | 2.8445 | 2.851 | 0.0091924 | 2.838 | 2.8445 | 2.851 | 0.0091924 | 0 | 0 | 0 | 0 |
| 3 | 2.827 | 2.8419 | 2.864 | 0.011818 | 2.792 | 2.8315 | 2.854 | 0.023071 | -0.062 | -0.0104 | 0.021 | 0.025444 |
| 10 | 2.827 | 2.8419 | 2.864 | 0.011818 | 2.776 | 2.8231 | 2.862 | 0.032257 | -0.078 | -0.0188 | 0.029 | 0.03447 |
| 30 | 2.827 | 2.8419 | 2.864 | 0.011818 | 2.719 | 2.8056 | 2.838 | 0.034699 | -0.108 | -0.0363 | 0.005 | 0.033533 |
| 50 | 2.827 | 2.8419 | 2.864 | 0.011818 | 2.713 | 2.7803 | 2.82 | 0.039489 | -0.135 | -0.0616 | -0.013 | 0.040697 |
| 100 | 2.825 | 2.8438 | 2.87 | 0.016316 | 2.763 | 2.7904 | 2.828 | 0.023591 | -0.075 | -0.053375 | -0.004 | 0.023059 |

# Device Test: 6.12 ILKG_SENSE4/SENSE4//3/0/0/0/@ILKG_SENSE



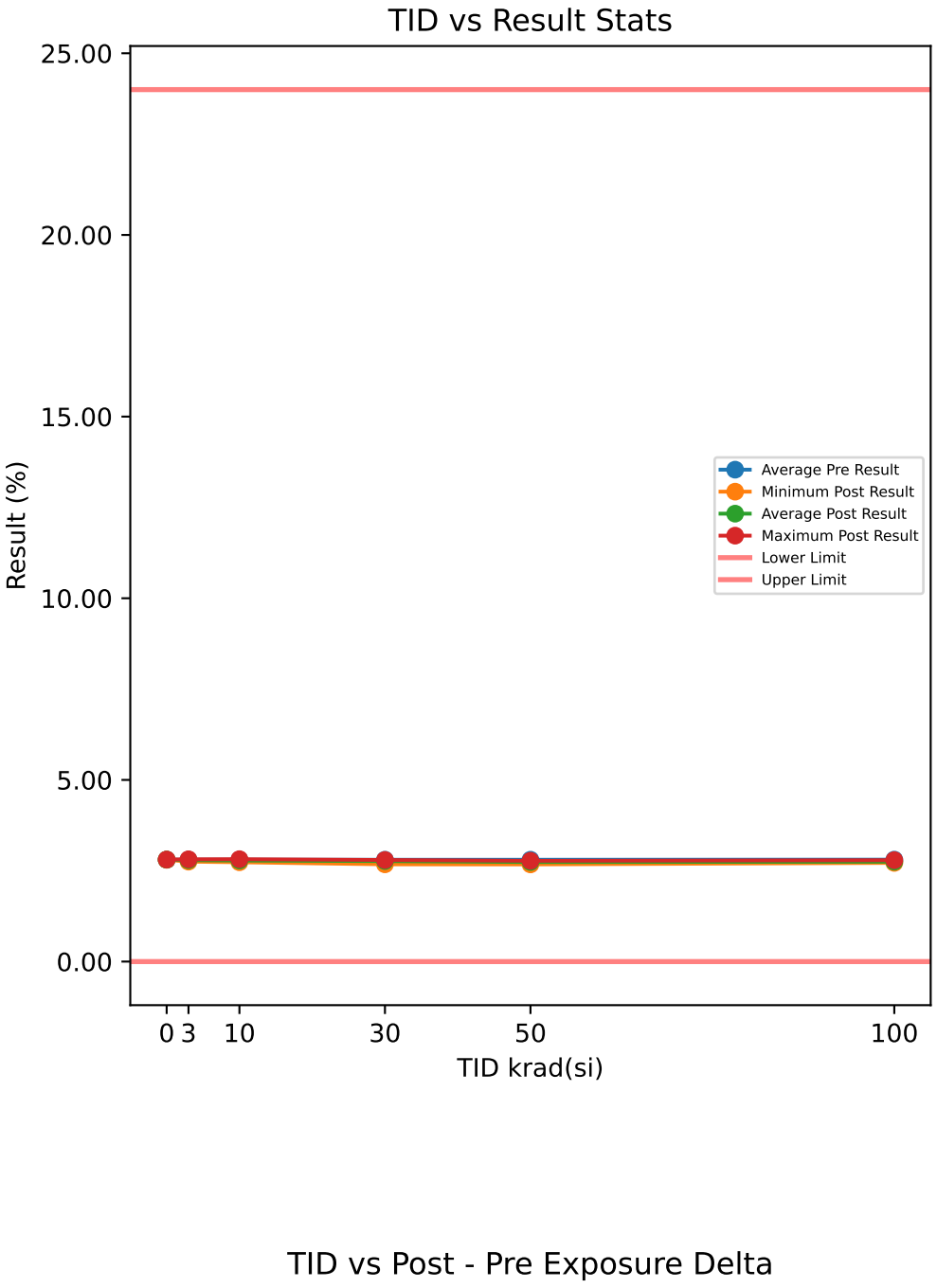

Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

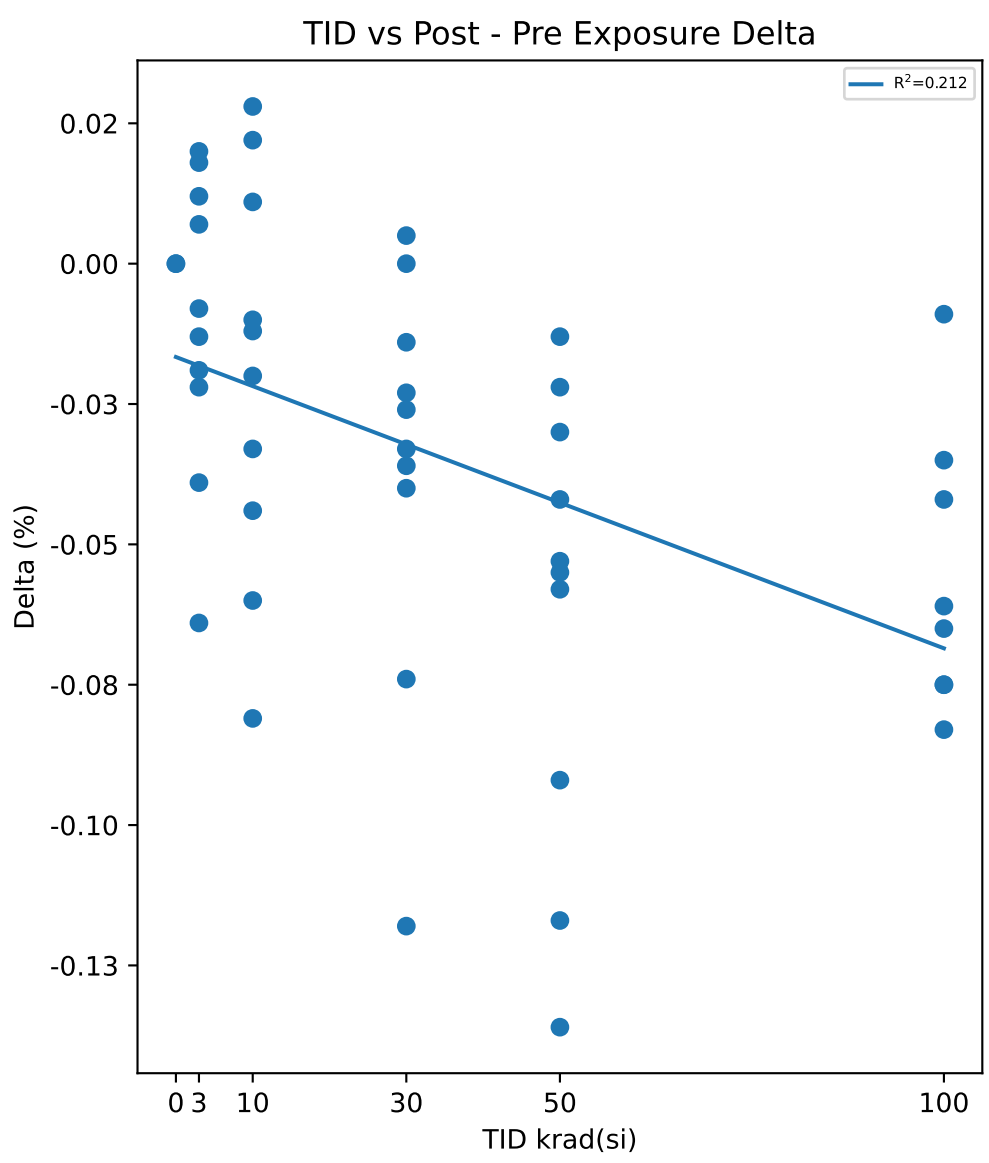
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.002 | 0.002 | 0 |
| 7 | 0 | Correlation | 0.009 | 0.009 | 0 |
| 16 | 3 | LDR-Biased | 0.133 | 0.007 | -0.126 |
| 18 | 3 | LDR-Biased | 0.131 | 0.011 | -0.12 |
| 19 | 3 | LDR-Biased | 0.135 | -0.005 | -0.14 |
| 20 | 3 | LDR-Biased | 0.111 | 0.004 | -0.107 |
| 21 | 3 | LDR-Biased | 0.124 | 0 | -0.124 |
| 22 | 3 | LDR-Unbiased | 0.128 | -0.003 | -0.131 |
| 23 | 3 | LDR-Unbiased | 0.131 | 0.005 | -0.126 |
| 25 | 3 | LDR-Unbiased | 0.114 | -0.003 | -0.117 |
| 26 | 3 | LDR-Unbiased | 0.137 | 0.018 | -0.119 |
| 27 | 3 | LDR-Unbiased | 0.123 | -0.007 | -0.13 |
| 46 | 10 | LDR-Biased | 0.133 | -0.146 | -0.279 |
| 48 | 10 | LDR-Biased | 0.131 | -0.155 | -0.286 |
| 49 | 10 | LDR-Biased | 0.135 | -0.154 | -0.289 |
| 50 | 10 | LDR-Biased | 0.111 | -0.155 | -0.266 |
| 51 | 10 | LDR-Biased | 0.124 | -0.152 | -0.276 |
| 52 | 10 | LDR-Unbiased | 0.128 | -0.12 | -0.248 |
| 53 | 10 | LDR-Unbiased | 0.131 | -0.134 | -0.265 |
| 55 | 10 | LDR-Unbiased | 0.114 | -0.159 | -0.273 |
| 56 | 10 | LDR-Unbiased | 0.137 | -0.151 | -0.288 |
| 57 | 10 | LDR-Unbiased | 0.123 | -0.146 | -0.269 |
| 76 | 30 | LDR-Biased | 0.133 | 0.015 | -0.118 |
| 78 | 30 | LDR-Biased | 0.131 | 0.012 | -0.119 |
| 79 | 30 | LDR-Biased | 0.135 | 0.021 | -0.114 |
| 80 | 30 | LDR-Biased | 0.111 | 0.016 | -0.095 |
| 81 | 30 | LDR-Biased | 0.124 | 0.019 | -0.105 |
| 82 | 30 | LDR-Unbiased | 0.128 | 0.02 | -0.108 |
| 83 | 30 | LDR-Unbiased | 0.131 | 0.022 | -0.109 |
| 84 | 30 | LDR-Unbiased | 0.123 | 0.04 | -0.083 |
| 85 | 30 | LDR-Unbiased | 0.114 | 0.031 | -0.083 |
| 86 | 30 | LDR-Unbiased | 0.137 | 0.018 | -0.119 |
| 87 | 100 | LDR-Biased | 0.136 | 0.04 | -0.096 |
| 88 | 100 | LDR-Biased | 0.133 | 0.037 | -0.096 |
| 90 | 100 | LDR-Biased | 0.111 | 0.048 | -0.063 |
| 91 | 100 | LDR-Unbiased | 0.12 | 0.053 | -0.067 |
| 93 | 100 | LDR-Unbiased | 0.135 | 0.031 | -0.104 |
| 94 | 100 | LDR-Unbiased | 0.106 | 0.013 | -0.093 |
| 95 | 100 | LDR-Unbiased | 0.122 | 0.04 | -0.082 |
| 96 | 100 | LDR-Unbiased | 0.125 | 0.052 | -0.073 |
| 106 | 50 | LDR-Biased | 0.133 | -0.059 | -0.192 |
| 108 | 50 | LDR-Biased | 0.131 | -0.047 | -0.178 |
| 109 | 50 | LDR-Biased | 0.135 | -0.048 | -0.183 |
| 110 | 50 | LDR-Biased | 0.111 | -0.074 | -0.185 |
| 111 | 50 | LDR-Biased | 0.124 | -0.066 | -0.19 |
| 112 | 50 | LDR-Unbiased | 0.128 | -0.043 | -0.171 |
| 113 | 50 | LDR-Unbiased | 0.131 | -0.049 | -0.18 |
| 115 | 50 | LDR-Unbiased | 0.114 | -0.046 | -0.16 |
| 116 | 50 | LDR-Unbiased | 0.137 | -0.047 | -0.184 |
| 117 | 50 | LDR-Unbiased | 0.123 | -0.066 | -0.189 |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.002 | 0.0055 | 0.009 | 0.0049497 | 0.002 | 0.0055 | 0.009 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 0.111 | 0.1267 | 0.137 | 0.0087057 | -0.007 | 0.0027 | 0.018 | 0.0078464 | -0.14 | -0.124 | -0.107 | 0.0089938 |
| 10 | 0.111 | 0.1267 | 0.137 | 0.0087057 | -0.159 | -0.1472 | -0.12 | 0.01184 | -0.289 | -0.2739 | -0.248 | 0.012653 |
| 30 | 0.111 | 0.1267 | 0.137 | 0.0087057 | 0.012 | 0.0214 | 0.04 | 0.0082758 | -0.119 | -0.1053 | -0.083 | 0.013881 |
| 50 | 0.111 | 0.1267 | 0.137 | 0.0087057 | -0.074 | -0.0545 | -0.043 | 0.010824 | -0.192 | -0.1812 | -0.16 | 0.0096931 |
| 100 | 0.106 | 0.1235 | 0.136 | 0.011071 | 0.013 | 0.03925 | 0.053 | 0.013047 | -0.104 | -0.08425 | -0.063 | 0.015229 |

# Device Test: 6.120 VOL_10mA_EN3/EN3/7/14/0/0/10/@VOL_EN_10MA



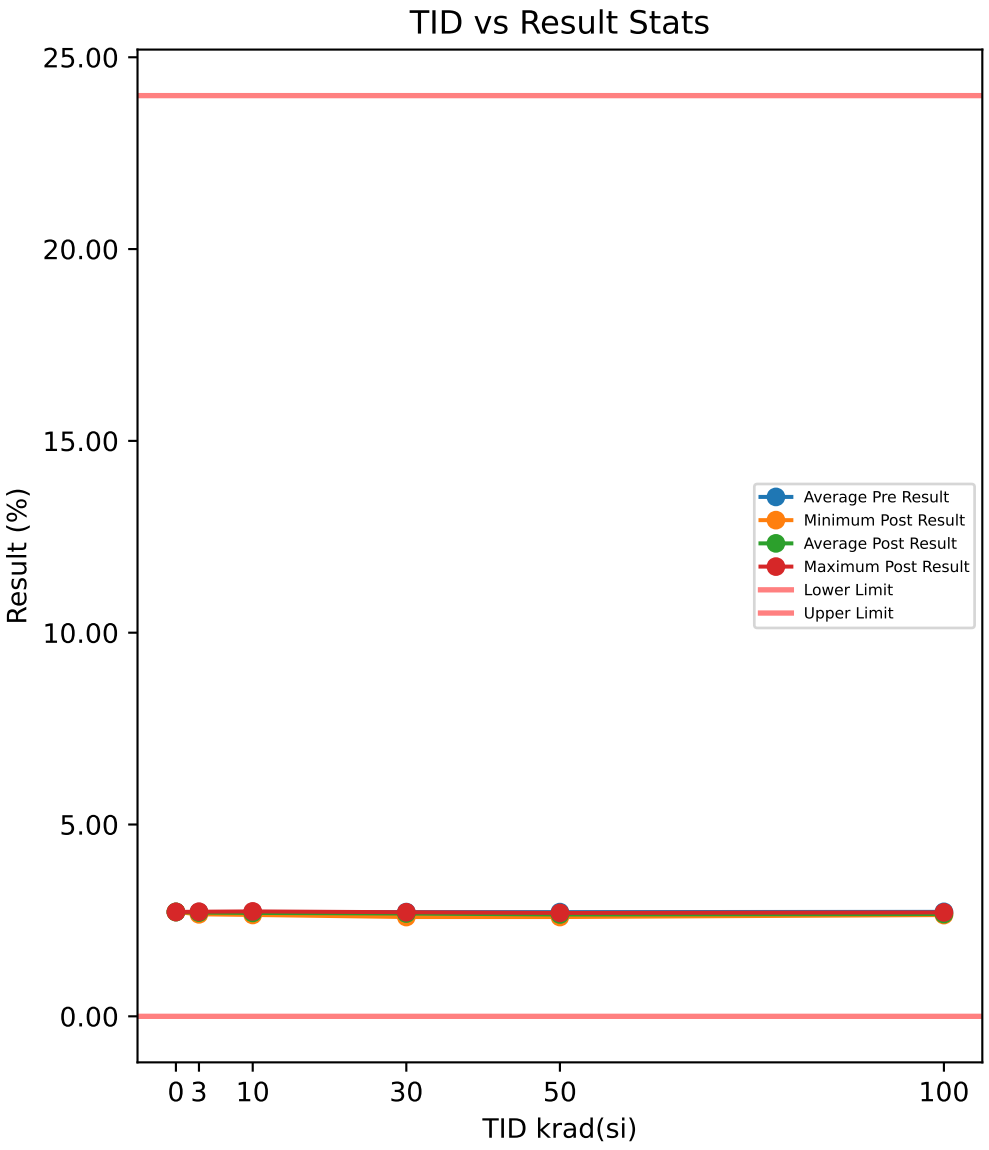

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

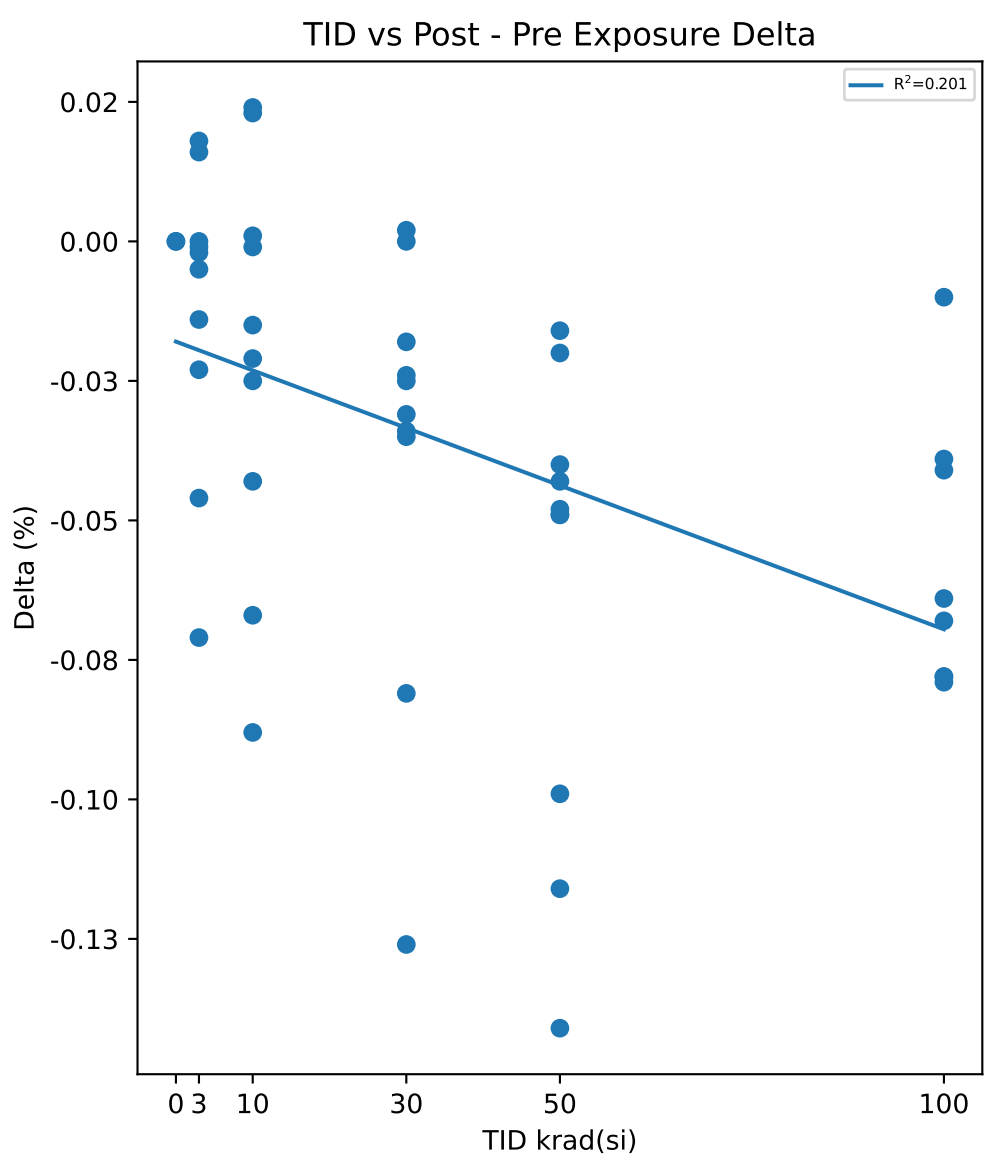
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.802 | 2.802 | 0 |
| 7 | 0 | Correlation | 2.808 | 2.808 | 0 |
| 16 | 3 | LDR-Biased | 2.815 | 2.751 | -0.064 |
| 18 | 3 | LDR-Biased | 2.795 | 2.756 | -0.039 |
| 19 | 3 | LDR-Biased | 2.813 | 2.805 | -0.008 |
| 20 | 3 | LDR-Biased | 2.792 | 2.77 | -0.022 |
| 21 | 3 | LDR-Biased | 2.808 | 2.815 | 0.007 |
| 22 | 3 | LDR-Unbiased | 2.785 | 2.805 | 0.02 |
| 23 | 3 | LDR-Unbiased | 2.796 | 2.814 | 0.018 |
| 25 | 3 | LDR-Unbiased | 2.8 | 2.787 | -0.013 |
| 26 | 3 | LDR-Unbiased | 2.823 | 2.804 | -0.019 |
| 27 | 3 | LDR-Unbiased | 2.796 | 2.808 | 0.012 |
| 46 | 10 | LDR-Biased | 2.815 | 2.734 | -0.081 |
| 48 | 10 | LDR-Biased | 2.795 | 2.735 | -0.06 |
| 49 | 10 | LDR-Biased | 2.813 | 2.78 | -0.033 |
| 50 | 10 | LDR-Biased | 2.792 | 2.748 | -0.044 |
| 51 | 10 | LDR-Biased | 2.808 | 2.796 | -0.012 |
| 52 | 10 | LDR-Unbiased | 2.785 | 2.813 | 0.028 |
| 53 | 10 | LDR-Unbiased | 2.796 | 2.818 | 0.022 |
| 55 | 10 | LDR-Unbiased | 2.8 | 2.79 | -0.01 |
| 56 | 10 | LDR-Unbiased | 2.823 | 2.803 | -0.02 |
| 57 | 10 | LDR-Unbiased | 2.796 | 2.807 | 0.011 |
| 76 | 30 | LDR-Biased | 2.815 | 2.741 | -0.074 |
| 78 | 30 | LDR-Biased | 2.795 | 2.677 | -0.118 |
| 79 | 30 | LDR-Biased | 2.813 | 2.787 | -0.026 |
| 80 | 30 | LDR-Biased | 2.792 | 2.756 | -0.036 |
| 81 | 30 | LDR-Biased | 2.808 | 2.785 | -0.023 |
| 82 | 30 | LDR-Unbiased | 2.785 | 2.79 | 0.005 |
| 83 | 30 | LDR-Unbiased | 2.796 | 2.796 | 0 |
| 84 | 30 | LDR-Unbiased | 2.796 | 2.782 | -0.014 |
| 85 | 30 | LDR-Unbiased | 2.8 | 2.767 | -0.033 |
| 86 | 30 | LDR-Unbiased | 2.823 | 2.783 | -0.04 |
| 87 | 100 | LDR-Biased | 2.824 | 2.741 | -0.083 |
| 88 | 100 | LDR-Biased | 2.83 | 2.788 | -0.042 |
| 90 | 100 | LDR-Biased | 2.8 | 2.791 | -0.009 |
| 91 | 100 | LDR-Unbiased | 2.778 | 2.717 | -0.061 |
| 93 | 100 | LDR-Unbiased | 2.809 | 2.744 | -0.065 |
| 94 | 100 | LDR-Unbiased | 2.818 | 2.743 | -0.075 |
| 95 | 100 | LDR-Unbiased | 2.787 | 2.752 | -0.035 |
| 96 | 100 | LDR-Unbiased | 2.797 | 2.722 | -0.075 |
| 106 | 50 | LDR-Biased | 2.815 | 2.679 | -0.136 |
| 108 | 50 | LDR-Biased | 2.795 | 2.703 | -0.092 |
| 109 | 50 | LDR-Biased | 2.813 | 2.755 | -0.058 |
| 110 | 50 | LDR-Biased | 2.792 | 2.675 | -0.117 |
| 111 | 50 | LDR-Biased | 2.808 | 2.766 | -0.042 |
| 112 | 50 | LDR-Unbiased | 2.785 | 2.772 | -0.013 |
| 113 | 50 | LDR-Unbiased | 2.796 | 2.774 | -0.022 |
| 115 | 50 | LDR-Unbiased | 2.8 | 2.747 | -0.053 |
| 116 | 50 | LDR-Unbiased | 2.823 | 2.768 | -0.055 |
| 117 | 50 | LDR-Unbiased | 2.796 | 2.766 | -0.03 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.802 | 2.805 | 2.808 | 0.0042426 | 2.802 | 2.805 | 2.808 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 2.785 | 2.8023 | 2.823 | 0.011926 | 2.751 | 2.7915 | 2.815 | 0.024117 | -0.064 | -0.0108 | 0.02 | 0.026761 |
| 10 | 2.785 | 2.8023 | 2.823 | 0.011926 | 2.734 | 2.7824 | 2.818 | 0.032067 | -0.081 | -0.0199 | 0.028 | 0.035369 |
| 30 | 2.785 | 2.8023 | 2.823 | 0.011926 | 2.677 | 2.7664 | 2.796 | 0.035697 | -0.118 | -0.0359 | 0.005 | 0.036397 |
| 50 | 2.785 | 2.8023 | 2.823 | 0.011926 | 2.675 | 2.7405 | 2.774 | 0.039303 | -0.136 | -0.0618 | -0.013 | 0.040786 |
| 100 | 2.778 | 2.8054 | 2.83 | 0.018173 | 2.717 | 2.7498 | 2.791 | 0.02717 | -0.083 | -0.055625 | -0.009 | 0.025077 |

# Device Test: 6.121 VOL_10mA_EN4/EN4/7/14/0/0/10/@VOL_EN_10MA



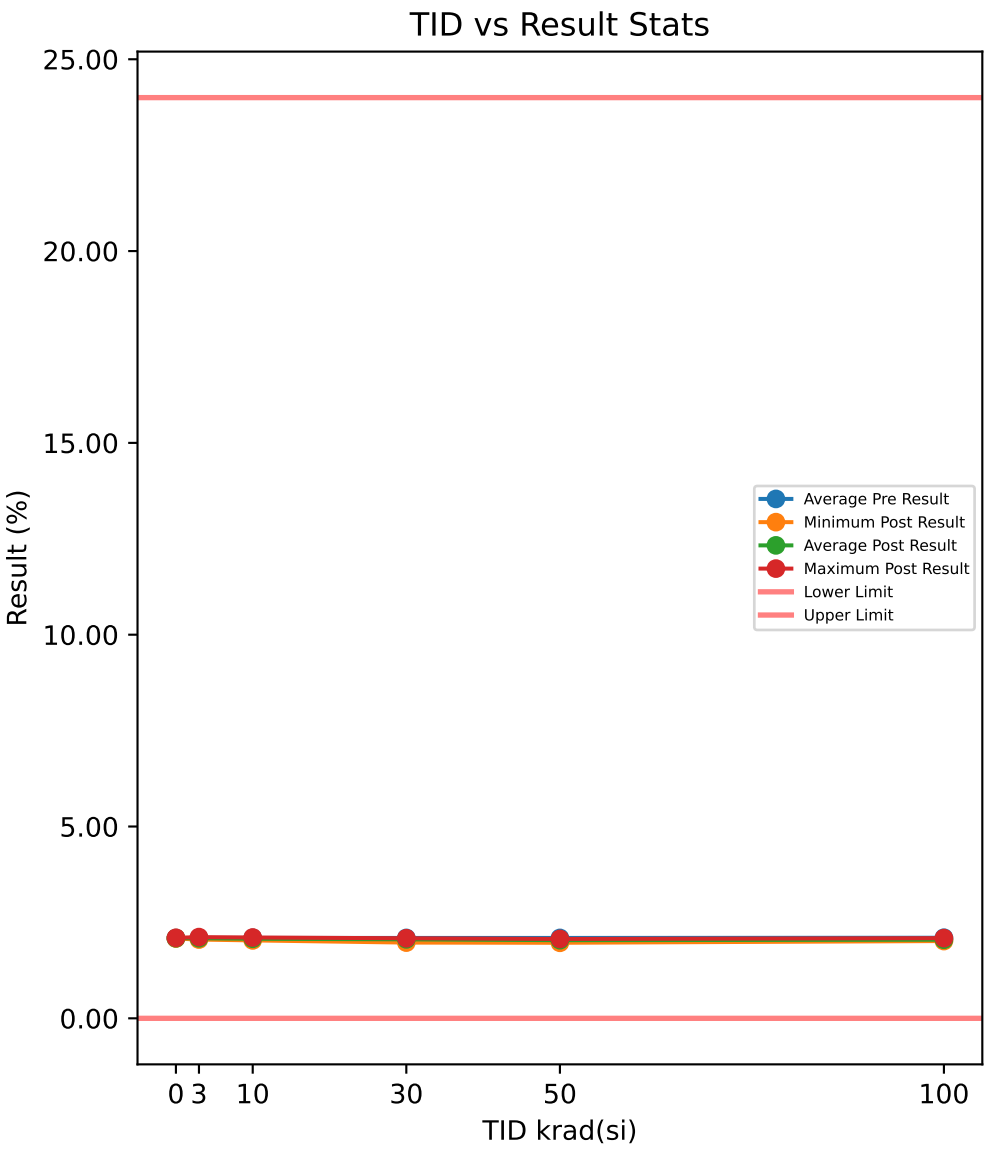

Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.719 | 2.719 | 0 |
| 7 | 0 | Correlation | 2.721 | 2.721 | 0 |
| 16 | 3 | LDR-Biased | 2.73 | 2.659 | -0.071 |
| 18 | 3 | LDR-Biased | 2.714 | 2.668 | -0.046 |
| 19 | 3 | LDR-Biased | 2.719 | 2.718 | -0.001 |
| 20 | 3 | LDR-Biased | 2.704 | 2.681 | -0.023 |
| 21 | 3 | LDR-Biased | 2.726 | 2.724 | -0.002 |
| 22 | 3 | LDR-Unbiased | 2.711 | 2.727 | 0.016 |
| 23 | 3 | LDR-Unbiased | 2.705 | 2.723 | 0.018 |
| 25 | 3 | LDR-Unbiased | 2.708 | 2.703 | -0.005 |
| 26 | 3 | LDR-Unbiased | 2.733 | 2.719 | -0.014 |
| 27 | 3 | LDR-Unbiased | 2.715 | 2.715 | 0 |
| 46 | 10 | LDR-Biased | 2.73 | 2.642 | -0.088 |
| 48 | 10 | LDR-Biased | 2.714 | 2.647 | -0.067 |
| 49 | 10 | LDR-Biased | 2.719 | 2.694 | -0.025 |
| 50 | 10 | LDR-Biased | 2.704 | 2.661 | -0.043 |
| 51 | 10 | LDR-Biased | 2.726 | 2.705 | -0.021 |
| 52 | 10 | LDR-Unbiased | 2.711 | 2.735 | 0.024 |
| 53 | 10 | LDR-Unbiased | 2.705 | 2.728 | 0.023 |
| 55 | 10 | LDR-Unbiased | 2.708 | 2.707 | -0.001 |
| 56 | 10 | LDR-Unbiased | 2.733 | 2.718 | -0.015 |
| 57 | 10 | LDR-Unbiased | 2.715 | 2.716 | 0.001 |
| 76 | 30 | LDR-Biased | 2.73 | 2.649 | -0.081 |
| 78 | 30 | LDR-Biased | 2.714 | 2.588 | -0.126 |
| 79 | 30 | LDR-Biased | 2.719 | 2.701 | -0.018 |
| 80 | 30 | LDR-Biased | 2.704 | 2.67 | -0.034 |
| 81 | 30 | LDR-Biased | 2.726 | 2.695 | -0.031 |
| 82 | 30 | LDR-Unbiased | 2.711 | 2.713 | 0.002 |
| 83 | 30 | LDR-Unbiased | 2.705 | 2.705 | 0 |
| 84 | 30 | LDR-Unbiased | 2.715 | 2.69 | -0.025 |
| 85 | 30 | LDR-Unbiased | 2.708 | 2.684 | -0.024 |
| 86 | 30 | LDR-Unbiased | 2.733 | 2.698 | -0.035 |
| 87 | 100 | LDR-Biased | 2.738 | 2.659 | -0.079 |
| 88 | 100 | LDR-Biased | 2.745 | 2.706 | -0.039 |
| 90 | 100 | LDR-Biased | 2.719 | 2.709 | -0.01 |
| 91 | 100 | LDR-Unbiased | 2.704 | 2.64 | -0.064 |
| 93 | 100 | LDR-Unbiased | 2.727 | 2.659 | -0.068 |
| 94 | 100 | LDR-Unbiased | 2.733 | 2.655 | -0.078 |
| 95 | 100 | LDR-Unbiased | 2.704 | 2.663 | -0.041 |
| 96 | 100 | LDR-Unbiased | 2.717 | 2.639 | -0.078 |
| 106 | 50 | LDR-Biased | 2.73 | 2.589 | -0.141 |
| 108 | 50 | LDR-Biased | 2.714 | 2.615 | -0.099 |
| 109 | 50 | LDR-Biased | 2.719 | 2.67 | -0.049 |
| 110 | 50 | LDR-Biased | 2.704 | 2.588 | -0.116 |
| 111 | 50 | LDR-Biased | 2.726 | 2.677 | -0.049 |
| 112 | 50 | LDR-Unbiased | 2.711 | 2.695 | -0.016 |
| 113 | 50 | LDR-Unbiased | 2.705 | 2.685 | -0.02 |
| 115 | 50 | LDR-Unbiased | 2.708 | 2.665 | -0.043 |
| 116 | 50 | LDR-Unbiased | 2.733 | 2.685 | -0.048 |
| 117 | 50 | LDR-Unbiased | 2.715 | 2.675 | -0.04 |

Test Statistics (%)

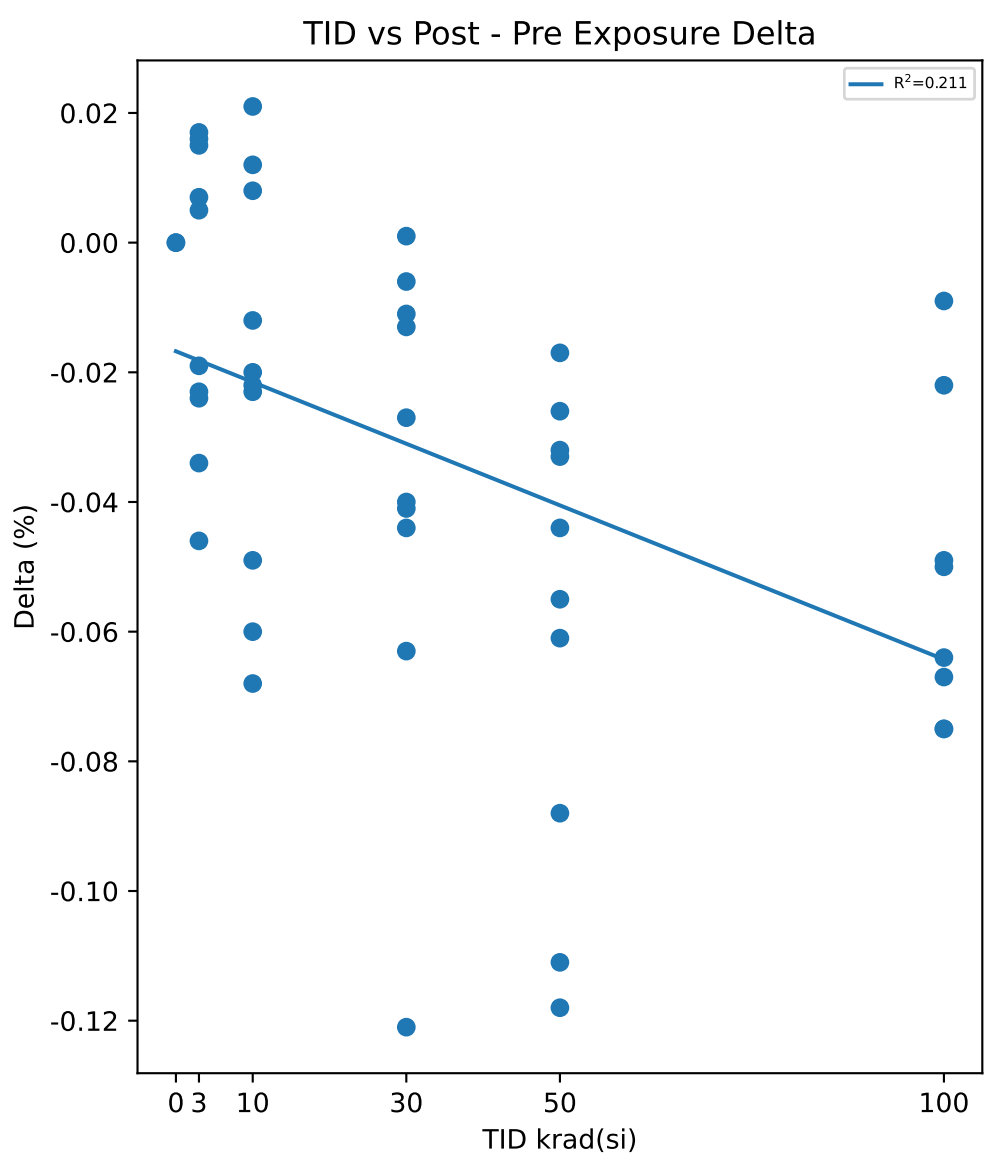
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.719 | 2.72 | 2.721 | 0.0014142 | 2.719 | 2.72 | 2.721 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 2.704 | 2.7165 | 2.733 | 0.010277 | 2.659 | 2.7037 | 2.727 | 0.025127 | -0.071 | -0.0128 | 0.018 | 0.027595 |
| 10 | 2.704 | 2.7165 | 2.733 | 0.010277 | 2.642 | 2.6953 | 2.735 | 0.033619 | -0.088 | -0.0212 | 0.024 | 0.036493 |
| 30 | 2.704 | 2.7165 | 2.733 | 0.010277 | 2.588 | 2.6793 | 2.713 | 0.037029 | -0.126 | -0.0372 | 0.002 | 0.038686 |
| 50 | 2.704 | 2.7165 | 2.733 | 0.010277 | 2.588 | 2.6544 | 2.695 | 0.040893 | -0.141 | -0.0621 | -0.016 | 0.041879 |
| 100 | 2.704 | 2.7234 | 2.745 | 0.015109 | 2.639 | 2.6662 | 2.709 | 0.026943 | -0.079 | -0.057125 | -0.01 | 0.024856 |

# Device Test: 6.122 VOL_10mA_SEQ/SEQ_DONE/7/14/0/0/10/@VOL_SEQ_DONE_10MA




Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

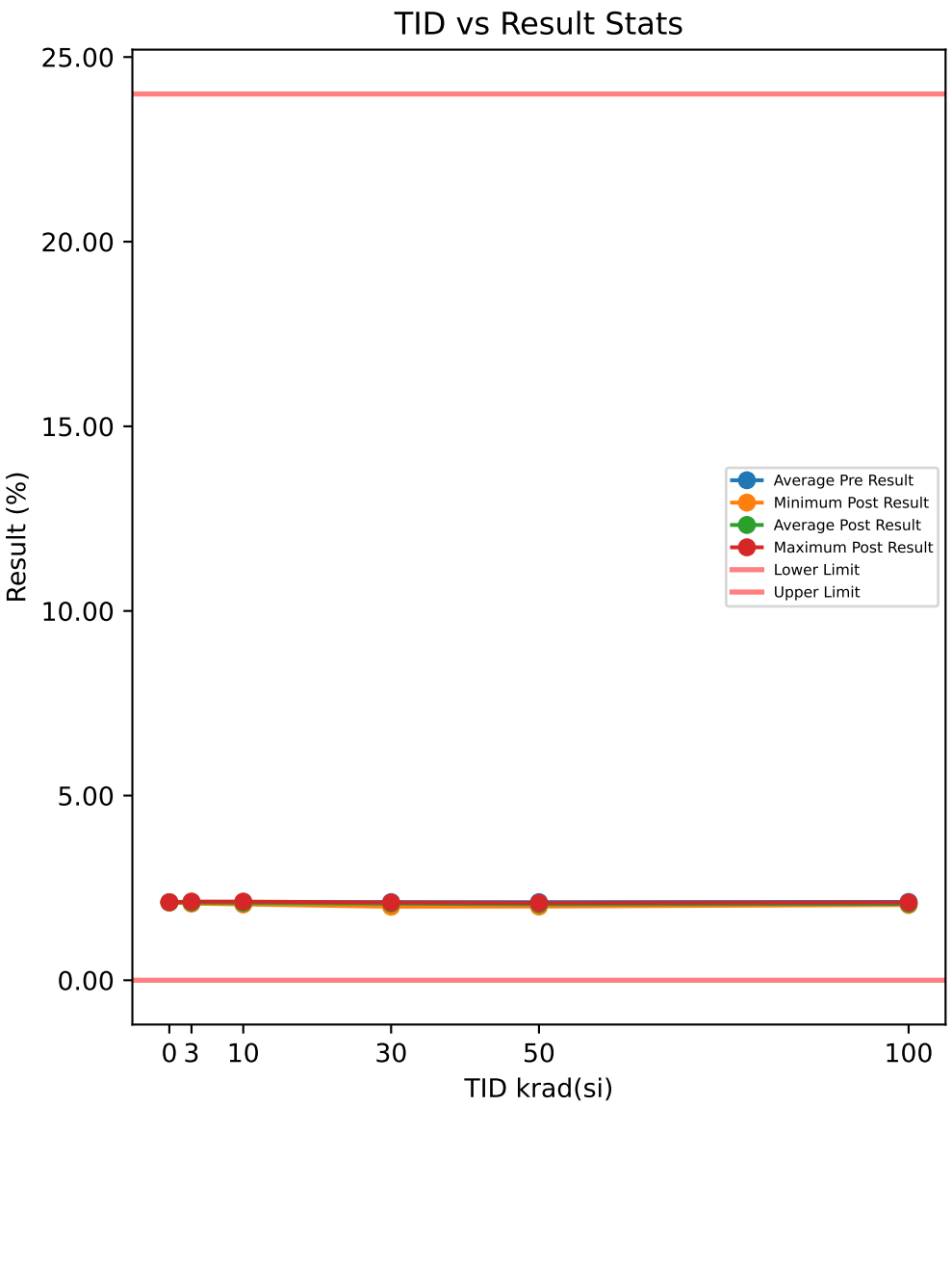
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.099 | 2.099 | 0 |
| 7 | 0 | Correlation | 2.08 | 2.08 | 0 |
| 16 | 3 | LDR-Biased | 2.099 | 2.053 | -0.046 |
| 18 | 3 | LDR-Biased | 2.095 | 2.061 | -0.034 |
| 19 | 3 | LDR-Biased | 2.088 | 2.104 | 0.016 |
| 20 | 3 | LDR-Biased | 2.087 | 2.063 | -0.024 |
| 21 | 3 | LDR-Biased | 2.112 | 2.117 | 0.005 |
| 22 | 3 | LDR-Unbiased | 2.086 | 2.103 | 0.017 |
| 23 | 3 | LDR-Unbiased | 2.089 | 2.096 | 0.007 |
| 25 | 3 | LDR-Unbiased | 2.091 | 2.068 | -0.023 |
| 26 | 3 | LDR-Unbiased | 2.116 | 2.097 | -0.019 |
| 27 | 3 | LDR-Unbiased | 2.091 | 2.106 | 0.015 |
| 46 | 10 | LDR-Biased | 2.099 | 2.031 | -0.068 |
| 48 | 10 | LDR-Biased | 2.095 | 2.035 | -0.06 |
| 49 | 10 | LDR-Biased | 2.088 | 2.076 | -0.012 |
| 50 | 10 | LDR-Biased | 2.087 | 2.038 | -0.049 |
| 51 | 10 | LDR-Biased | 2.112 | 2.092 | -0.02 |
| 52 | 10 | LDR-Unbiased | 2.086 | 2.107 | 0.021 |
| 53 | 10 | LDR-Unbiased | 2.089 | 2.097 | 0.008 |
| 55 | 10 | LDR-Unbiased | 2.091 | 2.068 | -0.023 |
| 56 | 10 | LDR-Unbiased | 2.116 | 2.094 | -0.022 |
| 57 | 10 | LDR-Unbiased | 2.091 | 2.103 | 0.012 |
| 76 | 30 | LDR-Biased | 2.099 | 2.036 | -0.063 |
| 78 | 30 | LDR-Biased | 2.095 | 1.974 | -0.121 |
| 79 | 30 | LDR-Biased | 2.088 | 2.082 | -0.006 |
| 80 | 30 | LDR-Biased | 2.087 | 2.047 | -0.04 |
| 81 | 30 | LDR-Biased | 2.112 | 2.085 | -0.027 |
| 82 | 30 | LDR-Unbiased | 2.086 | 2.087 | 0.001 |
| 83 | 30 | LDR-Unbiased | 2.089 | 2.076 | -0.013 |
| 84 | 30 | LDR-Unbiased | 2.091 | 2.08 | -0.011 |
| 85 | 30 | LDR-Unbiased | 2.091 | 2.047 | -0.044 |
| 86 | 30 | LDR-Unbiased | 2.116 | 2.075 | -0.041 |
| 87 | 100 | LDR-Biased | 2.12 | 2.045 | -0.075 |
| 88 | 100 | LDR-Biased | 2.11 | 2.088 | -0.022 |
| 90 | 100 | LDR-Biased | 2.099 | 2.09 | -0.009 |
| 91 | 100 | LDR-Unbiased | 2.081 | 2.014 | -0.067 |
| 93 | 100 | LDR-Unbiased | 2.112 | 2.037 | -0.075 |
| 94 | 100 | LDR-Unbiased | 2.1 | 2.051 | -0.049 |
| 95 | 100 | LDR-Unbiased | 2.09 | 2.04 | -0.05 |
| 96 | 100 | LDR-Unbiased | 2.092 | 2.028 | -0.064 |
| 106 | 50 | LDR-Biased | 2.099 | 1.988 | -0.111 |
| 108 | 50 | LDR-Biased | 2.095 | 2.007 | -0.088 |
| 109 | 50 | LDR-Biased | 2.088 | 2.055 | -0.033 |
| 110 | 50 | LDR-Biased | 2.087 | 1.969 | -0.118 |
| 111 | 50 | LDR-Biased | 2.112 | 2.068 | -0.044 |
| 112 | 50 | LDR-Unbiased | 2.086 | 2.069 | -0.017 |
| 113 | 50 | LDR-Unbiased | 2.089 | 2.057 | -0.032 |
| 115 | 50 | LDR-Unbiased | 2.091 | 2.03 | -0.061 |
| 116 | 50 | LDR-Unbiased | 2.116 | 2.061 | -0.055 |
| 117 | 50 | LDR-Unbiased | 2.091 | 2.065 | -0.026 |




Test Statistics (%)

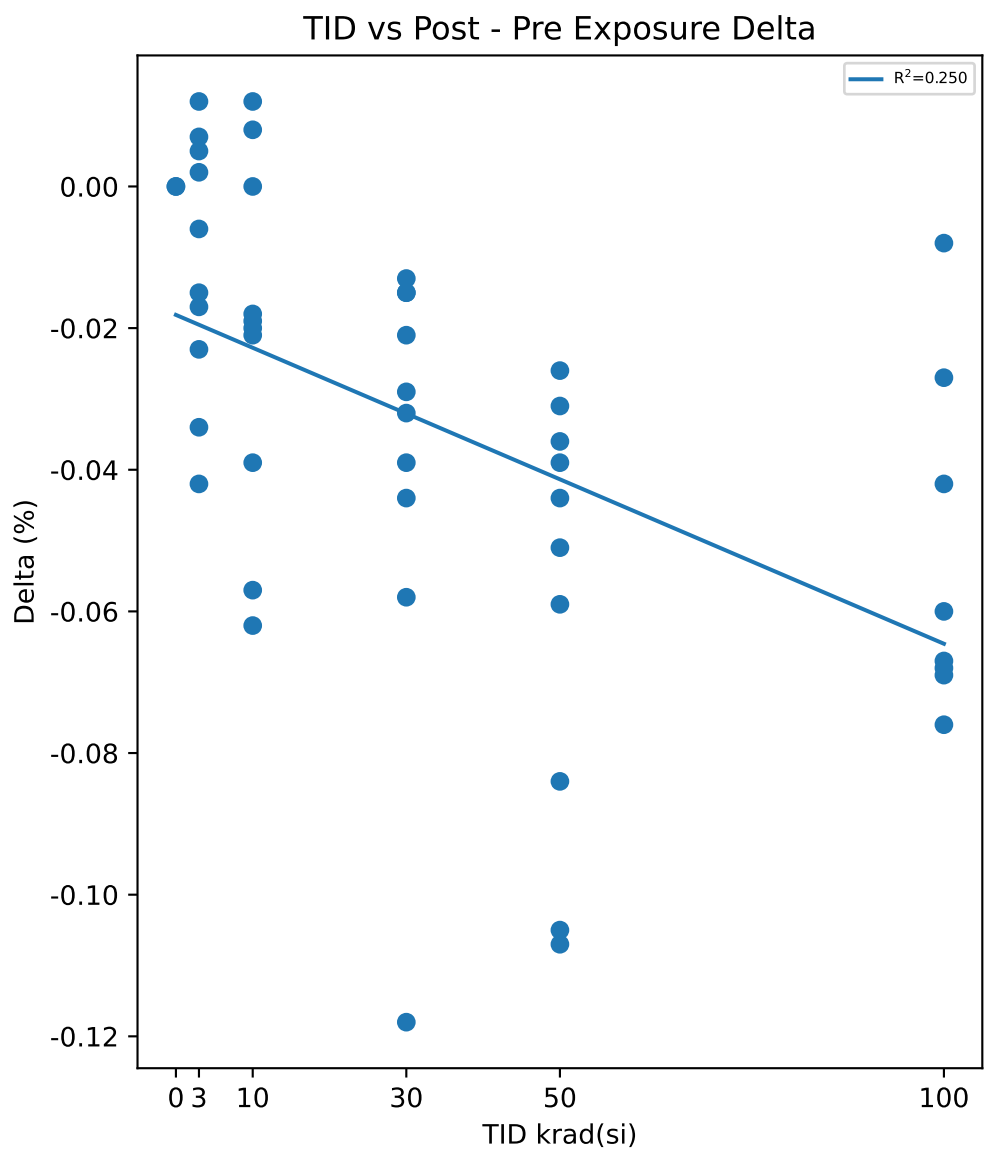
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.08 | 2.0895 | 2.099 | 0.013435 | 2.08 | 2.0895 | 2.099 | 0.013435 | 0 | 0 | 0 | 0 |
| 3 | 2.086 | 2.0954 | 2.116 | 0.010575 | 2.053 | 2.0868 | 2.117 | 0.022987 | -0.046 | -0.0086 | 0.017 | 0.023196 |
| 10 | 2.086 | 2.0954 | 2.116 | 0.010575 | 2.031 | 2.0741 | 2.107 | 0.029606 | -0.068 | -0.0213 | 0.021 | 0.030357 |
| 30 | 2.086 | 2.0954 | 2.116 | 0.010575 | 1.974 | 2.0589 | 2.087 | 0.034987 | -0.121 | -0.0365 | 0.001 | 0.03584 |
| 50 | 2.086 | 2.0954 | 2.116 | 0.010575 | 1.969 | 2.0369 | 2.069 | 0.03658 | -0.118 | -0.0585 | -0.017 | 0.035787 |
| 100 | 2.081 | 2.1005 | 2.12 | 0.012917 | 2.014 | 2.0491 | 2.09 | 0.027026 | -0.075 | -0.051375 | -0.009 | 0.024454 |

# Device Test: 6.123 VOL_10mA_PWRGD/PWRGD/7/14/0/0/10/@VOL_PWRGD_10MA




Test Results (Lower Limit = 0.0, Upper Limit = 24.0 (%))

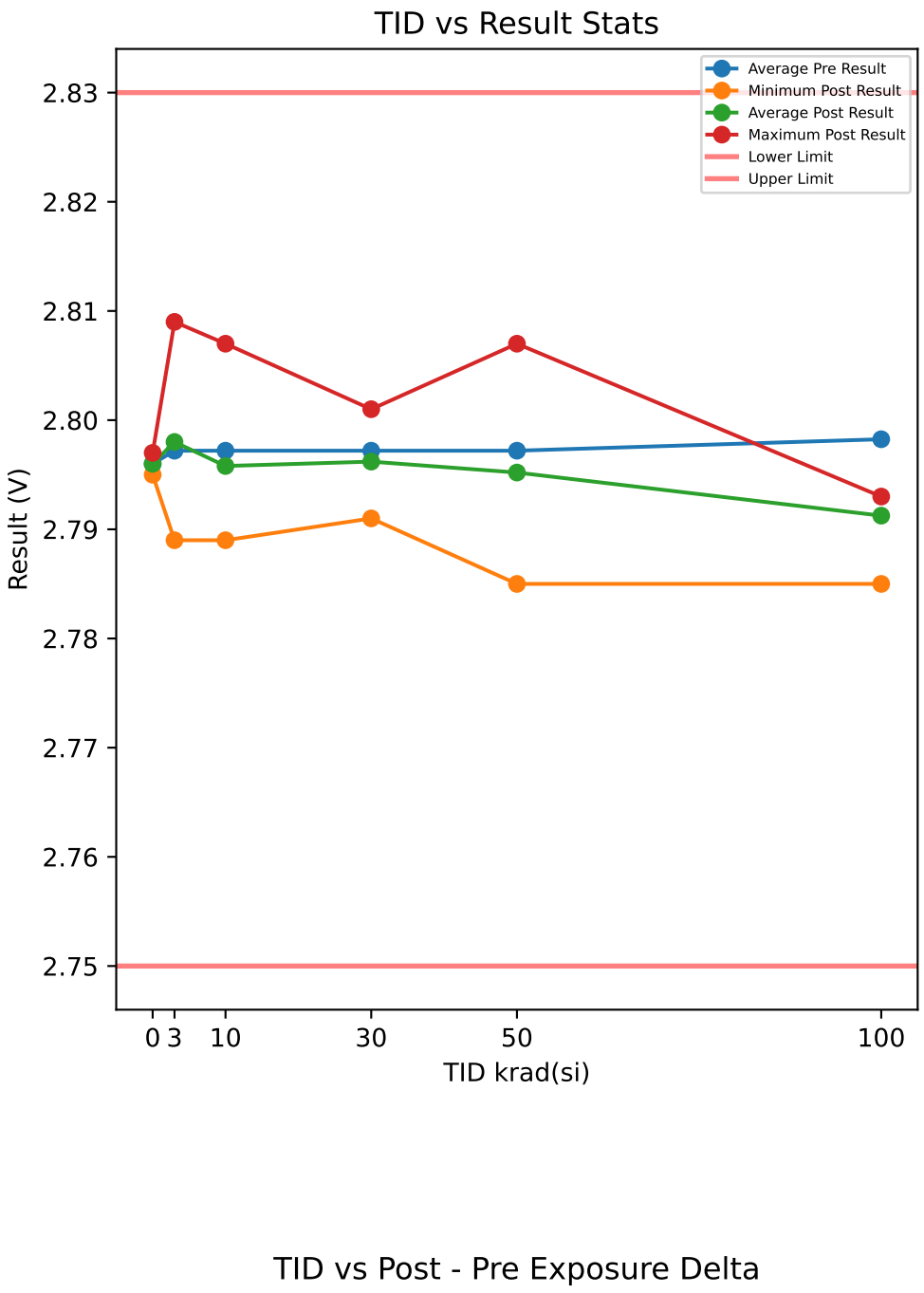
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.112 | 2.112 | 0 |
| 7 | 0 | Correlation | 2.105 | 2.105 | 0 |
| 16 | 3 | LDR-Biased | 2.117 | 2.075 | -0.042 |
| 18 | 3 | LDR-Biased | 2.108 | 2.074 | -0.034 |
| 19 | 3 | LDR-Biased | 2.116 | 2.123 | 0.007 |
| 20 | 3 | LDR-Biased | 2.102 | 2.087 | -0.015 |
| 21 | 3 | LDR-Biased | 2.128 | 2.13 | 0.002 |
| 22 | 3 | LDR-Unbiased | 2.113 | 2.107 | -0.006 |
| 23 | 3 | LDR-Unbiased | 2.107 | 2.112 | 0.005 |
| 25 | 3 | LDR-Unbiased | 2.112 | 2.089 | -0.023 |
| 26 | 3 | LDR-Unbiased | 2.128 | 2.111 | -0.017 |
| 27 | 3 | LDR-Unbiased | 2.117 | 2.129 | 0.012 |
| 46 | 10 | LDR-Biased | 2.117 | 2.055 | -0.062 |
| 48 | 10 | LDR-Biased | 2.108 | 2.051 | -0.057 |
| 49 | 10 | LDR-Biased | 2.116 | 2.097 | -0.019 |
| 50 | 10 | LDR-Biased | 2.102 | 2.063 | -0.039 |
| 51 | 10 | LDR-Biased | 2.128 | 2.108 | -0.02 |
| 52 | 10 | LDR-Unbiased | 2.113 | 2.113 | 0 |
| 53 | 10 | LDR-Unbiased | 2.107 | 2.115 | 0.008 |
| 55 | 10 | LDR-Unbiased | 2.112 | 2.091 | -0.021 |
| 56 | 10 | LDR-Unbiased | 2.128 | 2.11 | -0.018 |
| 57 | 10 | LDR-Unbiased | 2.117 | 2.129 | 0.012 |
| 76 | 30 | LDR-Biased | 2.117 | 2.059 | -0.058 |
| 78 | 30 | LDR-Biased | 2.108 | 1.99 | -0.118 |
| 79 | 30 | LDR-Biased | 2.116 | 2.101 | -0.015 |
| 80 | 30 | LDR-Biased | 2.102 | 2.07 | -0.032 |
| 81 | 30 | LDR-Biased | 2.128 | 2.099 | -0.029 |
| 82 | 30 | LDR-Unbiased | 2.113 | 2.092 | -0.021 |
| 83 | 30 | LDR-Unbiased | 2.107 | 2.092 | -0.015 |
| 84 | 30 | LDR-Unbiased | 2.117 | 2.104 | -0.013 |
| 85 | 30 | LDR-Unbiased | 2.112 | 2.068 | -0.044 |
| 86 | 30 | LDR-Unbiased | 2.128 | 2.089 | -0.039 |
| 87 | 100 | LDR-Biased | 2.127 | 2.059 | -0.068 |
| 88 | 100 | LDR-Biased | 2.129 | 2.102 | -0.027 |
| 90 | 100 | LDR-Biased | 2.112 | 2.104 | -0.008 |
| 91 | 100 | LDR-Unbiased | 2.107 | 2.038 | -0.069 |
| 93 | 100 | LDR-Unbiased | 2.129 | 2.053 | -0.076 |
| 94 | 100 | LDR-Unbiased | 2.119 | 2.077 | -0.042 |
| 95 | 100 | LDR-Unbiased | 2.116 | 2.056 | -0.06 |
| 96 | 100 | LDR-Unbiased | 2.119 | 2.052 | -0.067 |
| 106 | 50 | LDR-Biased | 2.117 | 2.012 | -0.105 |
| 108 | 50 | LDR-Biased | 2.108 | 2.024 | -0.084 |
| 109 | 50 | LDR-Biased | 2.116 | 2.077 | -0.039 |
| 110 | 50 | LDR-Biased | 2.102 | 1.995 | -0.107 |
| 111 | 50 | LDR-Biased | 2.128 | 2.084 | -0.044 |
| 112 | 50 | LDR-Unbiased | 2.113 | 2.077 | -0.036 |
| 113 | 50 | LDR-Unbiased | 2.107 | 2.076 | -0.031 |
| 115 | 50 | LDR-Unbiased | 2.112 | 2.053 | -0.059 |
| 116 | 50 | LDR-Unbiased | 2.128 | 2.077 | -0.051 |
| 117 | 50 | LDR-Unbiased | 2.117 | 2.091 | -0.026 |

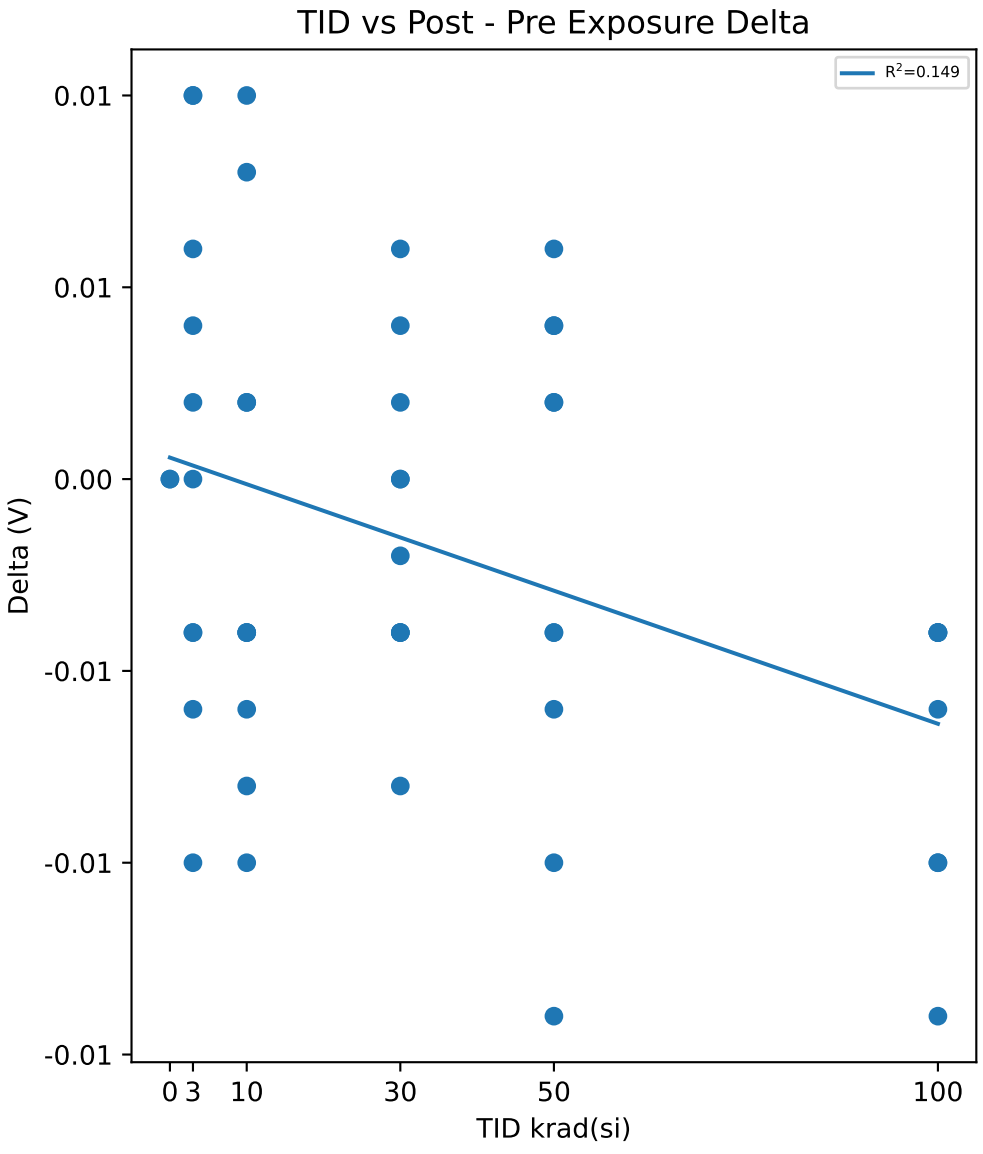



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.105 | 2.1085 | 2.112 | 0.0049497 | 2.105 | 2.1085 | 2.112 | 0.0049497 | 0 | 0 | 0 | 0 |
| 3 | 2.102 | 2.1148 | 2.128 | 0.0084433 | 2.074 | 2.1037 | 2.13 | 0.021182 | -0.042 | -0.0111 | 0.012 | 0.018224 |
| 10 | 2.102 | 2.1148 | 2.128 | 0.0084433 | 2.051 | 2.0932 | 2.129 | 0.027531 | -0.062 | -0.0216 | 0.012 | 0.025127 |
| 30 | 2.102 | 2.1148 | 2.128 | 0.0084433 | 1.99 | 2.0764 | 2.104 | 0.033997 | -0.118 | -0.0384 | -0.013 | 0.03149 |
| 50 | 2.102 | 2.1148 | 2.128 | 0.0084433 | 1.995 | 2.0566 | 2.091 | 0.034024 | -0.107 | -0.0582 | -0.026 | 0.030055 |
| 100 | 2.107 | 2.1198 | 2.129 | 0.0081196 | 2.038 | 2.0676 | 2.104 | 0.024313 | -0.076 | -0.052125 | -0.008 | 0.024115 |

# Device Test: 6.124 IN_UVLO_RISE/IN///0/0/0/@UVLO_RISE



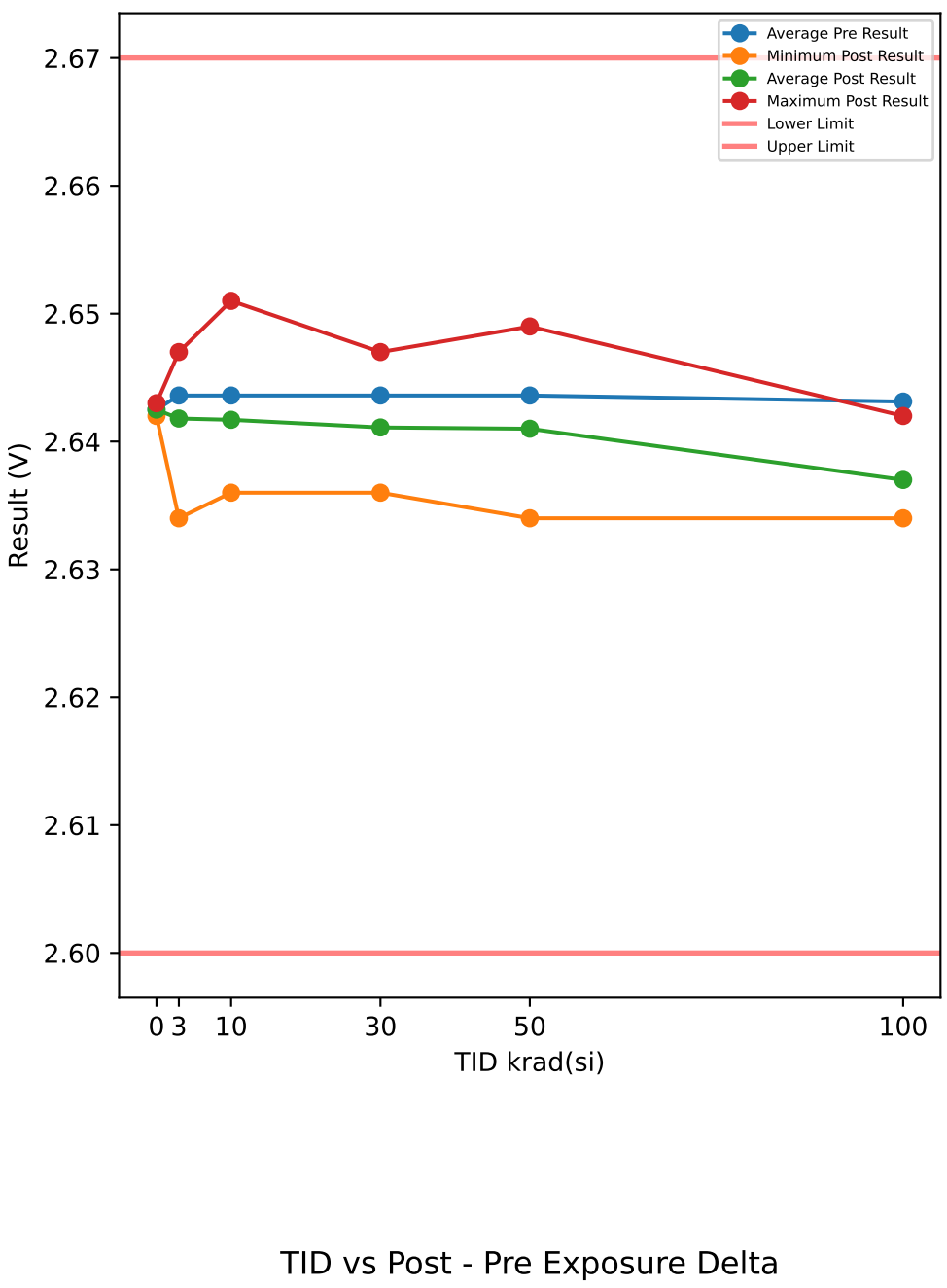

Test Results (Lower Limit = 2.75, Upper Limit = 2.83 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.797 | 2.797 | 0 |
| 7 | 0 | Correlation | 2.795 | 2.795 | 0 |
| 16 | 3 | LDR-Biased | 2.797 | 2.793 | -0.004 |
| 18 | 3 | LDR-Biased | 2.799 | 2.793 | -0.006 |
| 19 | 3 | LDR-Biased | 2.797 | 2.807 | 0.01 |
| 20 | 3 | LDR-Biased | 2.787 | 2.797 | 0.01 |
| 21 | 3 | LDR-Biased | 2.799 | 2.799 | 0 |
| 22 | 3 | LDR-Unbiased | 2.803 | 2.809 | 0.006 |
| 23 | 3 | LDR-Unbiased | 2.795 | 2.797 | 0.002 |
| 25 | 3 | LDR-Unbiased | 2.801 | 2.805 | 0.004 |
| 26 | 3 | LDR-Unbiased | 2.795 | 2.791 | -0.004 |
| 27 | 3 | LDR-Unbiased | 2.799 | 2.789 | -0.01 |
| 46 | 10 | LDR-Biased | 2.797 | 2.793 | -0.004 |
| 48 | 10 | LDR-Biased | 2.799 | 2.793 | -0.006 |
| 49 | 10 | LDR-Biased | 2.797 | 2.807 | 0.01 |
| 50 | 10 | LDR-Biased | 2.787 | 2.795 | 0.008 |
| 51 | 10 | LDR-Biased | 2.799 | 2.795 | -0.004 |
| 52 | 10 | LDR-Unbiased | 2.803 | 2.795 | -0.008 |
| 53 | 10 | LDR-Unbiased | 2.795 | 2.797 | 0.002 |
| 55 | 10 | LDR-Unbiased | 2.801 | 2.803 | 0.002 |
| 56 | 10 | LDR-Unbiased | 2.795 | 2.791 | -0.004 |
| 57 | 10 | LDR-Unbiased | 2.799 | 2.789 | -0.01 |
| 76 | 30 | LDR-Biased | 2.797 | 2.793 | -0.004 |
| 78 | 30 | LDR-Biased | 2.799 | 2.791 | -0.008 |
| 79 | 30 | LDR-Biased | 2.797 | 2.797 | 0 |
| 80 | 30 | LDR-Biased | 2.787 | 2.793 | 0.006 |
| 81 | 30 | LDR-Biased | 2.799 | 2.795 | -0.004 |
| 82 | 30 | LDR-Unbiased | 2.803 | 2.801 | -0.002 |
| 83 | 30 | LDR-Unbiased | 2.795 | 2.799 | 0.004 |
| 84 | 30 | LDR-Unbiased | 2.799 | 2.801 | 0.002 |
| 85 | 30 | LDR-Unbiased | 2.801 | 2.797 | -0.004 |
| 86 | 30 | LDR-Unbiased | 2.795 | 2.795 | 0 |
| 87 | 100 | LDR-Biased | 2.797 | 2.793 | -0.004 |
| 88 | 100 | LDR-Biased | 2.797 | 2.793 | -0.004 |
| 90 | 100 | LDR-Biased | 2.799 | 2.793 | -0.006 |
| 91 | 100 | LDR-Unbiased | 2.801 | 2.791 | -0.01 |
| 93 | 100 | LDR-Unbiased | 2.799 | 2.789 | -0.01 |
| 94 | 100 | LDR-Unbiased | 2.799 | 2.785 | -0.014 |
| 95 | 100 | LDR-Unbiased | 2.797 | 2.793 | -0.004 |
| 96 | 100 | LDR-Unbiased | 2.797 | 2.793 | -0.004 |
| 106 | 50 | LDR-Biased | 2.797 | 2.793 | -0.004 |
| 108 | 50 | LDR-Biased | 2.799 | 2.789 | -0.01 |
| 109 | 50 | LDR-Biased | 2.797 | 2.801 | 0.004 |
| 110 | 50 | LDR-Biased | 2.787 | 2.791 | 0.004 |
| 111 | 50 | LDR-Biased | 2.799 | 2.795 | -0.004 |
| 112 | 50 | LDR-Unbiased | 2.803 | 2.805 | 0.002 |
| 113 | 50 | LDR-Unbiased | 2.795 | 2.797 | 0.002 |
| 115 | 50 | LDR-Unbiased | 2.801 | 2.807 | 0.006 |
| 116 | 50 | LDR-Unbiased | 2.795 | 2.789 | -0.006 |
| 117 | 50 | LDR-Unbiased | 2.799 | 2.785 | -0.014 |

Test Statistics (V)

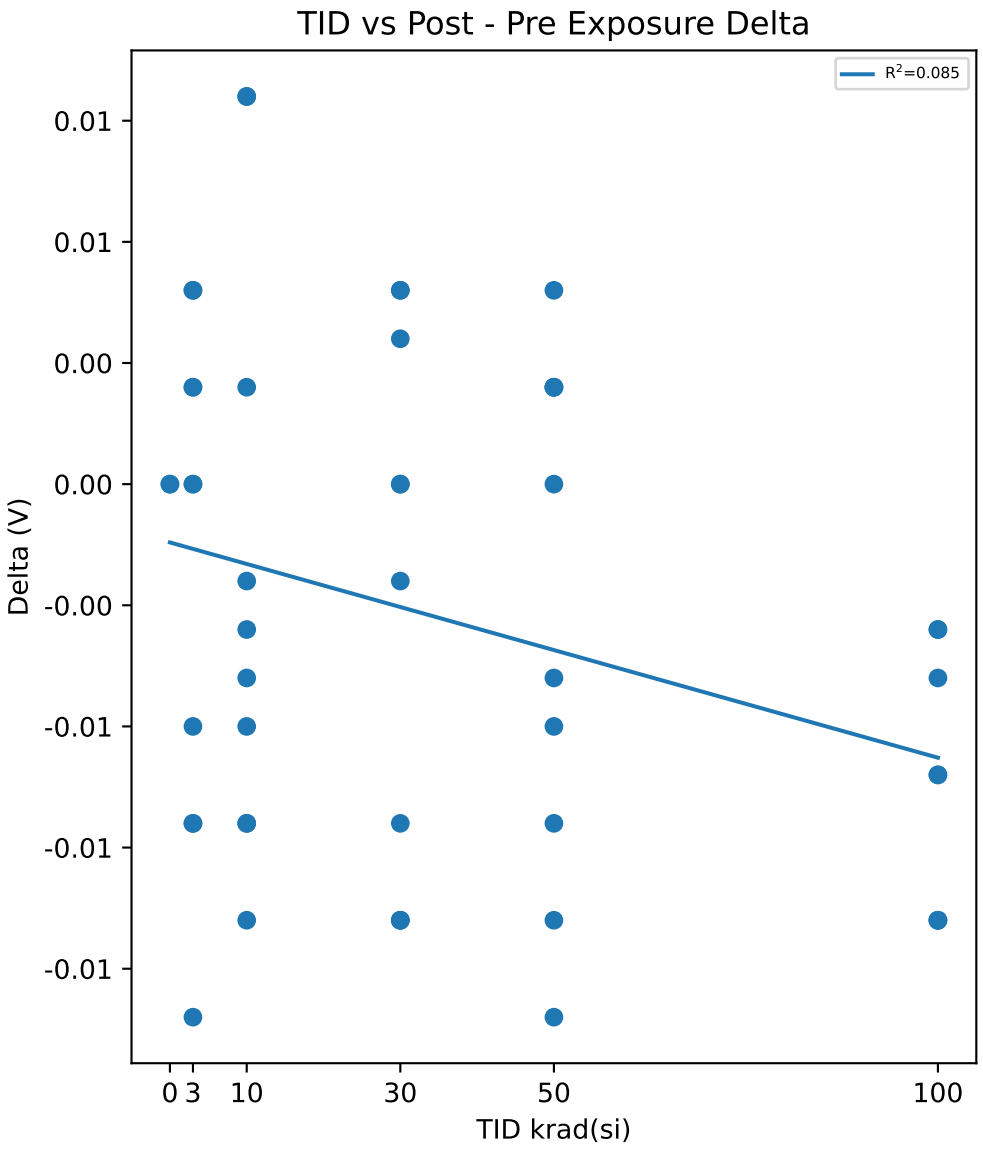
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.795 | 2.796 | 2.797 | 0.0014142 | 2.795 | 2.796 | 2.797 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 2.787 | 2.7972 | 2.803 | 0.0043665 | 2.789 | 2.798 | 2.809 | 0.0069442 | -0.01 | 0.0008 | 0.01 | 0.0068118 |
| 10 | 2.787 | 2.7972 | 2.803 | 0.0043665 | 2.789 | 2.7958 | 2.807 | 0.0054324 | -0.01 | -0.0014 | 0.01 | 0.00667 |
| 30 | 2.787 | 2.7972 | 2.803 | 0.0043665 | 2.791 | 2.7962 | 2.801 | 0.0034254 | -0.008 | -0.001 | 0.006 | 0.0042426 |
| 50 | 2.787 | 2.7972 | 2.803 | 0.0043665 | 2.785 | 2.7952 | 2.807 | 0.0072694 | -0.014 | -0.002 | 0.006 | 0.0066667 |
| 100 | 2.797 | 2.7982 | 2.801 | 0.001488 | 2.785 | 2.7913 | 2.793 | 0.0029155 | -0.014 | -0.007 | -0.004 | 0.0038545 |

# Device Test: 6.125 IN_UVLO_FALL/IN///0/0/0/@UVLO_FALL




Test Results (Lower Limit = 2.6, Upper Limit = 2.67 (V))

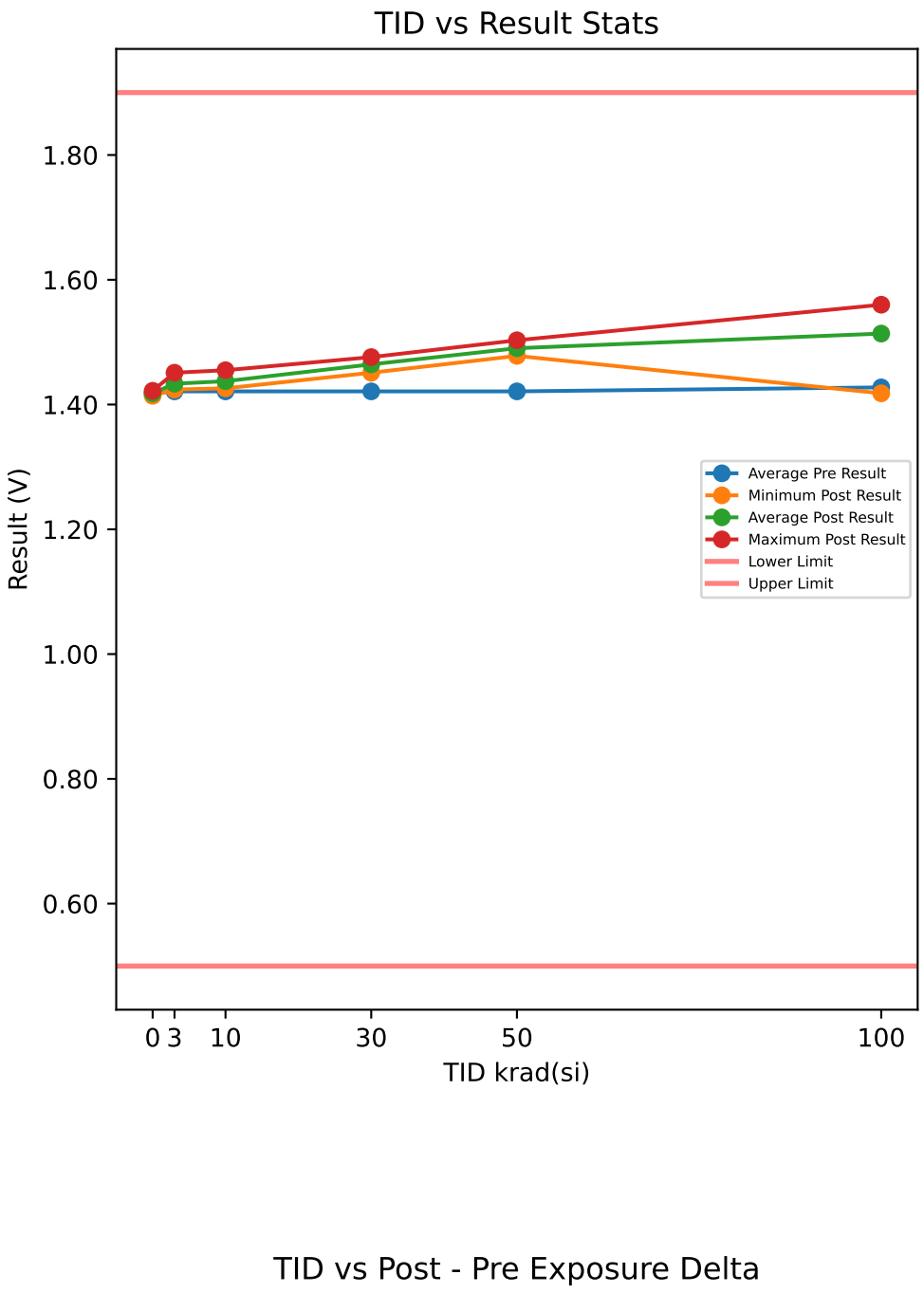
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.642 | 2.642 | 0 |
| 7 | 0 | Correlation | 2.643 | 2.643 | 0 |
| 16 | 3 | LDR-Biased | 2.645 | 2.634 | -0.011 |
| 18 | 3 | LDR-Biased | 2.645 | 2.64 | -0.005 |
| 19 | 3 | LDR-Biased | 2.643 | 2.647 | 0.004 |
| 20 | 3 | LDR-Biased | 2.638 | 2.64 | 0.002 |
| 21 | 3 | LDR-Biased | 2.645 | 2.645 | 0 |
| 22 | 3 | LDR-Unbiased | 2.643 | 2.647 | 0.004 |
| 23 | 3 | LDR-Unbiased | 2.647 | 2.64 | -0.007 |
| 25 | 3 | LDR-Unbiased | 2.645 | 2.645 | 0 |
| 26 | 3 | LDR-Unbiased | 2.645 | 2.638 | -0.007 |
| 27 | 3 | LDR-Unbiased | 2.64 | 2.642 | 0.002 |
| 46 | 10 | LDR-Biased | 2.645 | 2.636 | -0.009 |
| 48 | 10 | LDR-Biased | 2.645 | 2.638 | -0.007 |
| 49 | 10 | LDR-Biased | 2.643 | 2.651 | 0.008 |
| 50 | 10 | LDR-Biased | 2.638 | 2.64 | 0.002 |
| 51 | 10 | LDR-Biased | 2.645 | 2.642 | -0.003 |
| 52 | 10 | LDR-Unbiased | 2.643 | 2.651 | 0.008 |
| 53 | 10 | LDR-Unbiased | 2.647 | 2.642 | -0.005 |
| 55 | 10 | LDR-Unbiased | 2.645 | 2.643 | -0.002 |
| 56 | 10 | LDR-Unbiased | 2.645 | 2.638 | -0.007 |
| 57 | 10 | LDR-Unbiased | 2.64 | 2.636 | -0.004 |
| 76 | 30 | LDR-Biased | 2.645 | 2.636 | -0.009 |
| 78 | 30 | LDR-Biased | 2.645 | 2.636 | -0.009 |
| 79 | 30 | LDR-Biased | 2.643 | 2.643 | 0 |
| 80 | 30 | LDR-Biased | 2.638 | 2.642 | 0.004 |
| 81 | 30 | LDR-Biased | 2.645 | 2.643 | -0.002 |
| 82 | 30 | LDR-Unbiased | 2.643 | 2.647 | 0.004 |
| 83 | 30 | LDR-Unbiased | 2.647 | 2.64 | -0.007 |
| 84 | 30 | LDR-Unbiased | 2.64 | 2.643 | 0.003 |
| 85 | 30 | LDR-Unbiased | 2.645 | 2.645 | 0 |
| 86 | 30 | LDR-Unbiased | 2.645 | 2.636 | -0.009 |
| 87 | 100 | LDR-Biased | 2.64 | 2.634 | -0.006 |
| 88 | 100 | LDR-Biased | 2.645 | 2.642 | -0.003 |
| 90 | 100 | LDR-Biased | 2.645 | 2.642 | -0.003 |
| 91 | 100 | LDR-Unbiased | 2.643 | 2.634 | -0.009 |
| 93 | 100 | LDR-Unbiased | 2.645 | 2.636 | -0.009 |
| 94 | 100 | LDR-Unbiased | 2.645 | 2.636 | -0.009 |
| 95 | 100 | LDR-Unbiased | 2.642 | 2.638 | -0.004 |
| 96 | 100 | LDR-Unbiased | 2.64 | 2.634 | -0.006 |
| 106 | 50 | LDR-Biased | 2.645 | 2.636 | -0.009 |
| 108 | 50 | LDR-Biased | 2.645 | 2.64 | -0.005 |
| 109 | 50 | LDR-Biased | 2.643 | 2.645 | 0.002 |
| 110 | 50 | LDR-Biased | 2.638 | 2.64 | 0.002 |
| 111 | 50 | LDR-Biased | 2.645 | 2.645 | 0 |
| 112 | 50 | LDR-Unbiased | 2.643 | 2.645 | 0.002 |
| 113 | 50 | LDR-Unbiased | 2.647 | 2.64 | -0.007 |
| 115 | 50 | LDR-Unbiased | 2.645 | 2.649 | 0.004 |
| 116 | 50 | LDR-Unbiased | 2.645 | 2.634 | -0.011 |
| 117 | 50 | LDR-Unbiased | 2.64 | 2.636 | -0.004 |

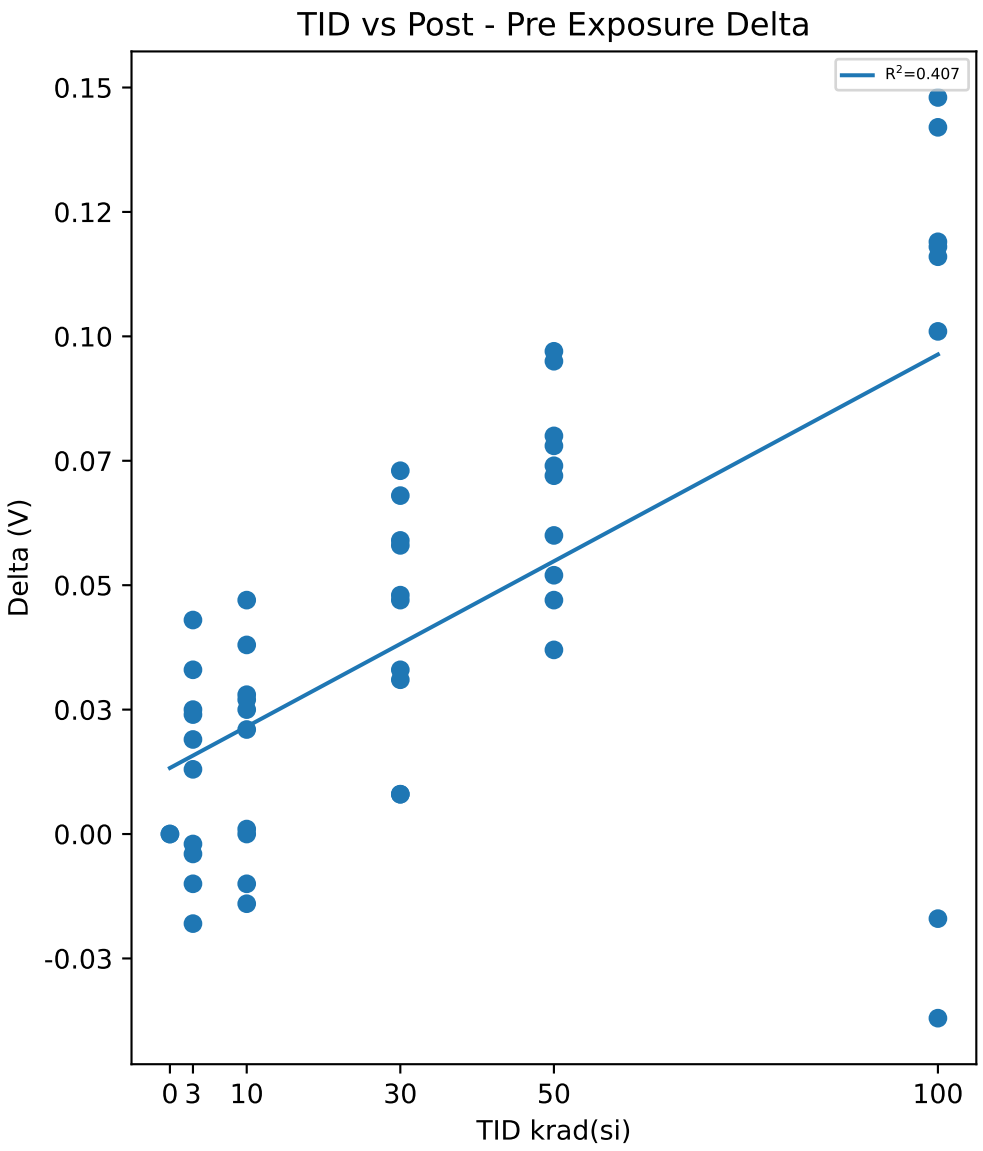



Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.642 | 2.6425 | 2.643 | 0.00070711 | 2.642 | 2.6425 | 2.643 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 2.638 | 2.6436 | 2.647 | 0.0027162 | 2.634 | 2.6418 | 2.647 | 0.0042111 | -0.011 | -0.0018 | 0.004 | 0.0052873 |
| 10 | 2.638 | 2.6436 | 2.647 | 0.0027162 | 2.636 | 2.6417 | 2.651 | 0.0054782 | -0.009 | -0.0019 | 0.008 | 0.0060452 |
| 30 | 2.638 | 2.6436 | 2.647 | 0.0027162 | 2.636 | 2.6411 | 2.647 | 0.0039567 | -0.009 | -0.0025 | 0.004 | 0.0055227 |
| 50 | 2.638 | 2.6436 | 2.647 | 0.0027162 | 2.634 | 2.641 | 2.649 | 0.0048762 | -0.011 | -0.0026 | 0.004 | 0.0052957 |
| 100 | 2.64 | 2.6431 | 2.645 | 0.0022321 | 2.634 | 2.637 | 2.642 | 0.0033806 | -0.009 | -0.006125 | -0.003 | 0.0026424 |

# Device Test: 6.126 IN_VPOR_RISE_EN1/EN1/1.6//0/0/0/@VIN_VALID



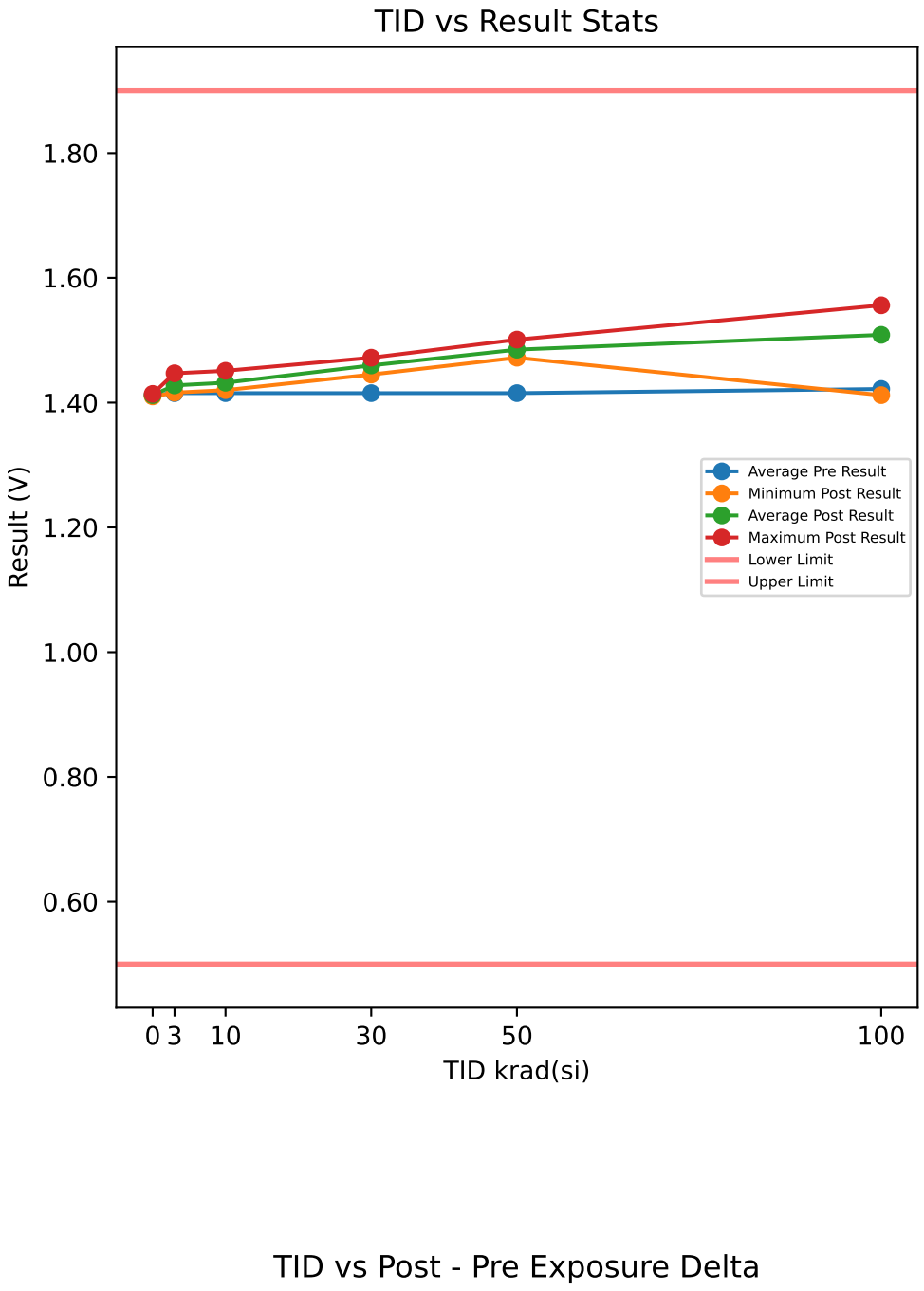

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

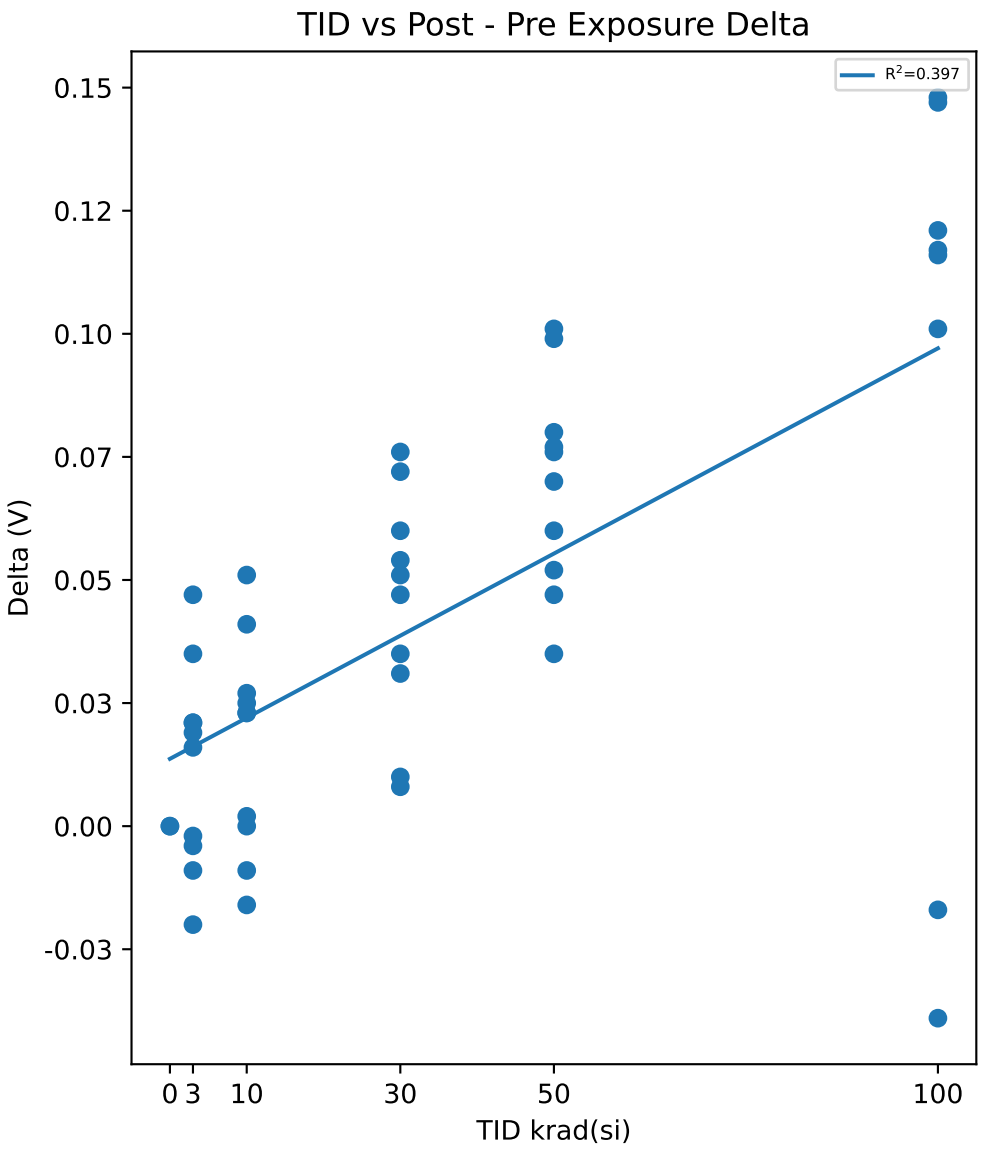
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.414 | 1.414 | 0 |
| 7 | 0 | Correlation | 1.422 | 1.422 | 0 |
| 16 | 3 | LDR-Biased | 1.443 | 1.433 | -0.01 |
| 18 | 3 | LDR-Biased | 1.457 | 1.439 | -0.018 |
| 19 | 3 | LDR-Biased | 1.408 | 1.451 | 0.043 |
| 20 | 3 | LDR-Biased | 1.418 | 1.443 | 0.025 |
| 21 | 3 | LDR-Biased | 1.426 | 1.424 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.418 | 1.437 | 0.019 |
| 23 | 3 | LDR-Unbiased | 1.43 | 1.426 | -0.004 |
| 25 | 3 | LDR-Unbiased | 1.393 | 1.426 | 0.033 |
| 26 | 3 | LDR-Unbiased | 1.418 | 1.431 | 0.013 |
| 27 | 3 | LDR-Unbiased | 1.4 | 1.424 | 0.024 |
| 46 | 10 | LDR-Biased | 1.443 | 1.433 | -0.01 |
| 48 | 10 | LDR-Biased | 1.457 | 1.443 | -0.014 |
| 49 | 10 | LDR-Biased | 1.408 | 1.455 | 0.047 |
| 50 | 10 | LDR-Biased | 1.418 | 1.445 | 0.027 |
| 51 | 10 | LDR-Biased | 1.426 | 1.426 | 0 |
| 52 | 10 | LDR-Unbiased | 1.418 | 1.443 | 0.025 |
| 53 | 10 | LDR-Unbiased | 1.43 | 1.431 | 0.001 |
| 55 | 10 | LDR-Unbiased | 1.393 | 1.431 | 0.038 |
| 56 | 10 | LDR-Unbiased | 1.418 | 1.439 | 0.021 |
| 57 | 10 | LDR-Unbiased | 1.4 | 1.428 | 0.028 |
| 76 | 30 | LDR-Biased | 1.443 | 1.451 | 0.008 |
| 78 | 30 | LDR-Biased | 1.457 | 1.465 | 0.008 |
| 79 | 30 | LDR-Biased | 1.408 | 1.476 | 0.068 |
| 80 | 30 | LDR-Biased | 1.418 | 1.466 | 0.048 |
| 81 | 30 | LDR-Biased | 1.426 | 1.457 | 0.031 |
| 82 | 30 | LDR-Unbiased | 1.418 | 1.476 | 0.058 |
| 83 | 30 | LDR-Unbiased | 1.43 | 1.463 | 0.033 |
| 84 | 30 | LDR-Unbiased | 1.4 | 1.459 | 0.059 |
| 85 | 30 | LDR-Unbiased | 1.393 | 1.466 | 0.073 |
| 86 | 30 | LDR-Unbiased | 1.418 | 1.465 | 0.047 |
| 87 | 100 | LDR-Biased | 1.406 | 1.548 | 0.142 |
| 88 | 100 | LDR-Biased | 1.437 | 1.42 | -0.017 |
| 90 | 100 | LDR-Biased | 1.455 | 1.418 | -0.037 |
| 91 | 100 | LDR-Unbiased | 1.42 | 1.536 | 0.116 |
| 93 | 100 | LDR-Unbiased | 1.424 | 1.542 | 0.118 |
| 94 | 100 | LDR-Unbiased | 1.441 | 1.56 | 0.119 |
| 95 | 100 | LDR-Unbiased | 1.437 | 1.538 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.4 | 1.548 | 0.148 |
| 106 | 50 | LDR-Biased | 1.443 | 1.49 | 0.047 |
| 108 | 50 | LDR-Biased | 1.457 | 1.494 | 0.037 |
| 109 | 50 | LDR-Biased | 1.408 | 1.503 | 0.095 |
| 110 | 50 | LDR-Biased | 1.418 | 1.49 | 0.072 |
| 111 | 50 | LDR-Biased | 1.426 | 1.478 | 0.052 |
| 112 | 50 | LDR-Unbiased | 1.418 | 1.496 | 0.078 |
| 113 | 50 | LDR-Unbiased | 1.43 | 1.49 | 0.06 |
| 115 | 50 | LDR-Unbiased | 1.393 | 1.49 | 0.097 |
| 116 | 50 | LDR-Unbiased | 1.418 | 1.492 | 0.074 |
| 117 | 50 | LDR-Unbiased | 1.4 | 1.48 | 0.08 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.414 | 1.418 | 1.422 | 0.0056569 | 1.414 | 1.418 | 1.422 | 0.0056569 | 0 | 0 | 0 | 0 |
| 3 | 1.393 | 1.4211 | 1.457 | 0.019169 | 1.424 | 1.4334 | 1.451 | 0.0090578 | -0.018 | 0.0123 | 0.043 | 0.02 |
| 10 | 1.393 | 1.4211 | 1.457 | 0.019169 | 1.426 | 1.4374 | 1.455 | 0.0091433 | -0.014 | 0.0163 | 0.047 | 0.020742 |
| 30 | 1.393 | 1.4211 | 1.457 | 0.019169 | 1.451 | 1.4644 | 1.476 | 0.0077488 | 0.008 | 0.0433 | 0.073 | 0.022949 |
| 50 | 1.393 | 1.4211 | 1.457 | 0.019169 | 1.478 | 1.4903 | 1.503 | 0.0072119 | 0.037 | 0.0692 | 0.097 | 0.019927 |
| 100 | 1.4 | 1.4275 | 1.455 | 0.01854 | 1.418 | 1.5137 | 1.56 | 0.058947 | -0.037 | 0.08625 | 0.148 | 0.071669 |

# Device Test: 6.127 IN_VPOR_RISE_EN2/EN2/1.6//0/0/0/@VIN_VALID



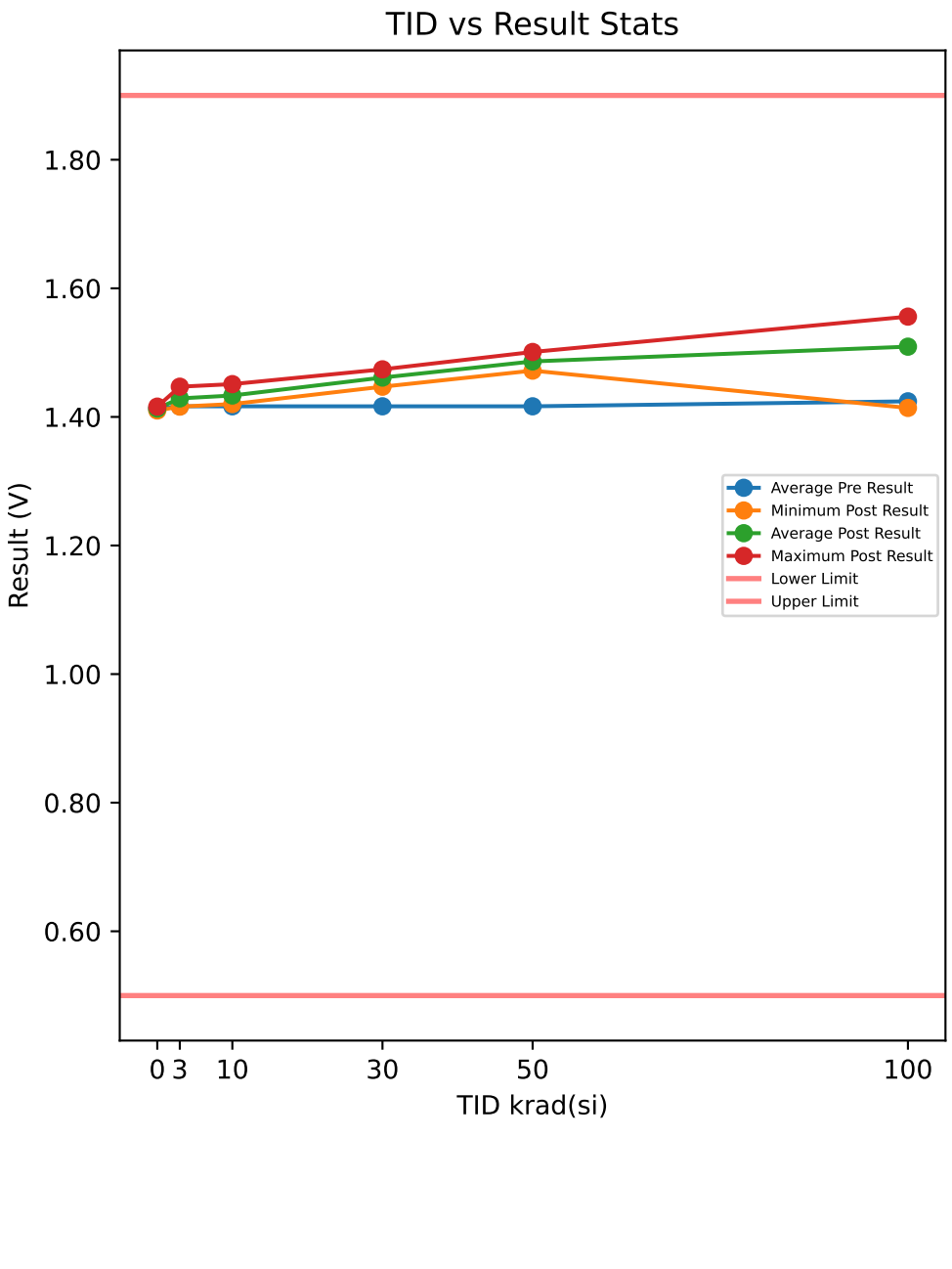

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

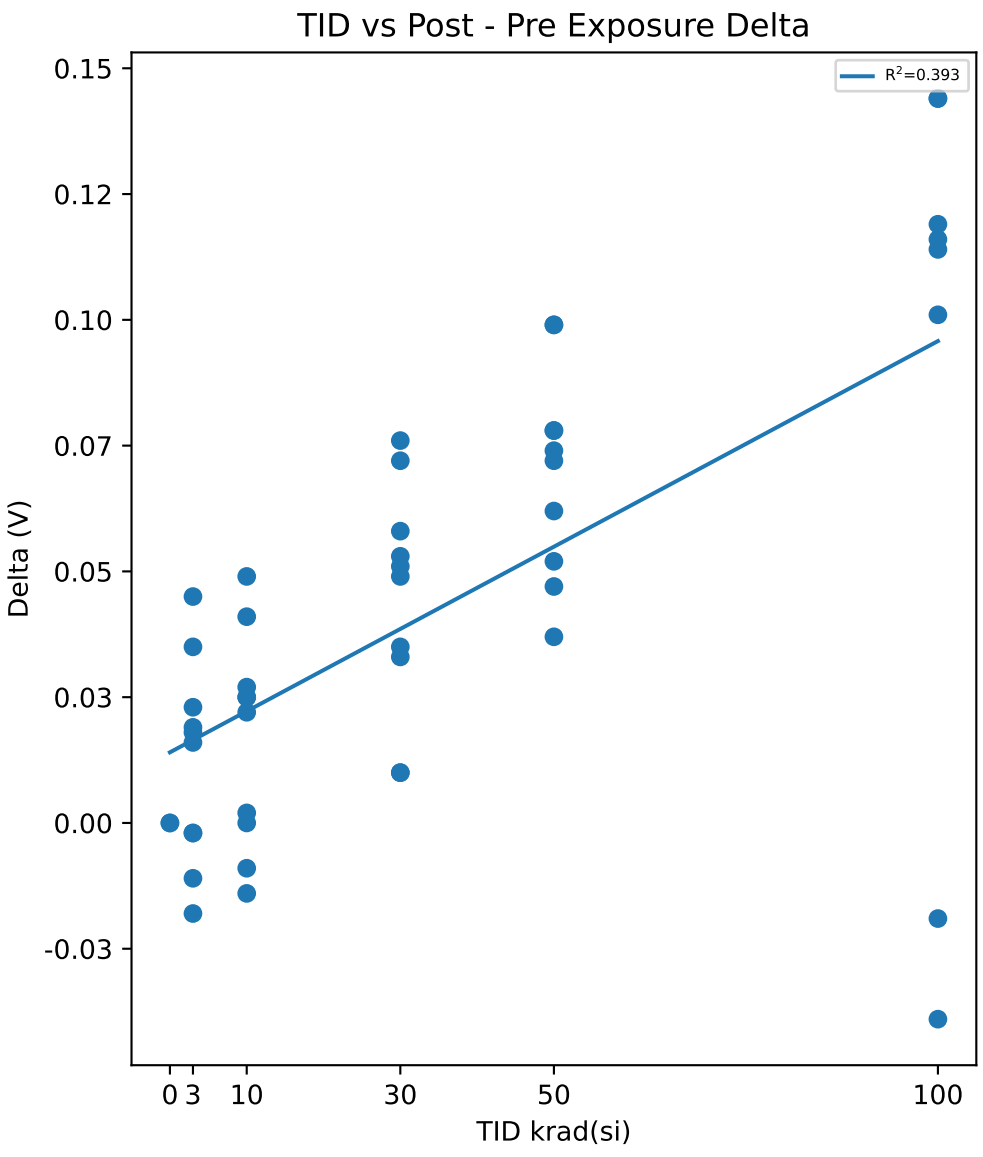
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.41 | 1.41 | 0 |
| 7 | 0 | Correlation | 1.414 | 1.414 | 0 |
| 16 | 3 | LDR-Biased | 1.435 | 1.426 | -0.009 |
| 18 | 3 | LDR-Biased | 1.453 | 1.433 | -0.02 |
| 19 | 3 | LDR-Biased | 1.4 | 1.447 | 0.047 |
| 20 | 3 | LDR-Biased | 1.414 | 1.435 | 0.021 |
| 21 | 3 | LDR-Biased | 1.42 | 1.418 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.412 | 1.433 | 0.021 |
| 23 | 3 | LDR-Unbiased | 1.426 | 1.422 | -0.004 |
| 25 | 3 | LDR-Unbiased | 1.385 | 1.42 | 0.035 |
| 26 | 3 | LDR-Unbiased | 1.41 | 1.426 | 0.016 |
| 27 | 3 | LDR-Unbiased | 1.397 | 1.416 | 0.019 |
| 46 | 10 | LDR-Biased | 1.435 | 1.426 | -0.009 |
| 48 | 10 | LDR-Biased | 1.453 | 1.437 | -0.016 |
| 49 | 10 | LDR-Biased | 1.4 | 1.451 | 0.051 |
| 50 | 10 | LDR-Biased | 1.414 | 1.437 | 0.023 |
| 51 | 10 | LDR-Biased | 1.42 | 1.42 | 0 |
| 52 | 10 | LDR-Unbiased | 1.412 | 1.439 | 0.027 |
| 53 | 10 | LDR-Unbiased | 1.426 | 1.428 | 0.002 |
| 55 | 10 | LDR-Unbiased | 1.385 | 1.426 | 0.041 |
| 56 | 10 | LDR-Unbiased | 1.41 | 1.433 | 0.023 |
| 57 | 10 | LDR-Unbiased | 1.397 | 1.422 | 0.025 |
| 76 | 30 | LDR-Biased | 1.435 | 1.445 | 0.01 |
| 78 | 30 | LDR-Biased | 1.453 | 1.461 | 0.008 |
| 79 | 30 | LDR-Biased | 1.4 | 1.472 | 0.072 |
| 80 | 30 | LDR-Biased | 1.414 | 1.461 | 0.047 |
| 81 | 30 | LDR-Biased | 1.42 | 1.451 | 0.031 |
| 82 | 30 | LDR-Unbiased | 1.412 | 1.472 | 0.06 |
| 83 | 30 | LDR-Unbiased | 1.426 | 1.461 | 0.035 |
| 84 | 30 | LDR-Unbiased | 1.397 | 1.451 | 0.054 |
| 85 | 30 | LDR-Unbiased | 1.385 | 1.461 | 0.076 |
| 86 | 30 | LDR-Unbiased | 1.41 | 1.461 | 0.051 |
| 87 | 100 | LDR-Biased | 1.398 | 1.546 | 0.148 |
| 88 | 100 | LDR-Biased | 1.431 | 1.414 | -0.017 |
| 90 | 100 | LDR-Biased | 1.451 | 1.412 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.414 | 1.531 | 0.117 |
| 93 | 100 | LDR-Unbiased | 1.418 | 1.534 | 0.116 |
| 94 | 100 | LDR-Unbiased | 1.435 | 1.556 | 0.121 |
| 95 | 100 | LDR-Unbiased | 1.433 | 1.534 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.395 | 1.542 | 0.147 |
| 106 | 50 | LDR-Biased | 1.435 | 1.482 | 0.047 |
| 108 | 50 | LDR-Biased | 1.453 | 1.488 | 0.035 |
| 109 | 50 | LDR-Biased | 1.4 | 1.501 | 0.101 |
| 110 | 50 | LDR-Biased | 1.414 | 1.484 | 0.07 |
| 111 | 50 | LDR-Biased | 1.42 | 1.472 | 0.052 |
| 112 | 50 | LDR-Unbiased | 1.412 | 1.492 | 0.08 |
| 113 | 50 | LDR-Unbiased | 1.426 | 1.486 | 0.06 |
| 115 | 50 | LDR-Unbiased | 1.385 | 1.484 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.41 | 1.486 | 0.076 |
| 117 | 50 | LDR-Unbiased | 1.397 | 1.474 | 0.077 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.41 | 1.412 | 1.414 | 0.0028284 | 1.41 | 1.412 | 1.414 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 1.385 | 1.4152 | 1.453 | 0.019646 | 1.416 | 1.4276 | 1.447 | 0.0094892 | -0.02 | 0.0124 | 0.047 | 0.020807 |
| 10 | 1.385 | 1.4152 | 1.453 | 0.019646 | 1.42 | 1.4319 | 1.451 | 0.0093862 | -0.016 | 0.0167 | 0.051 | 0.021721 |
| 30 | 1.385 | 1.4152 | 1.453 | 0.019646 | 1.445 | 1.4596 | 1.472 | 0.008682 | 0.008 | 0.0444 | 0.076 | 0.023387 |
| 50 | 1.385 | 1.4152 | 1.453 | 0.019646 | 1.472 | 1.4849 | 1.501 | 0.0082792 | 0.035 | 0.0697 | 0.101 | 0.02151 |
| 100 | 1.395 | 1.4219 | 1.451 | 0.019261 | 1.412 | 1.5086 | 1.556 | 0.059563 | -0.039 | 0.08675 | 0.148 | 0.072806 |

# Device Test: 6.128 IN_VPOR_RISE_EN3/EN3/1.6//0/0/0/@VIN_VALID



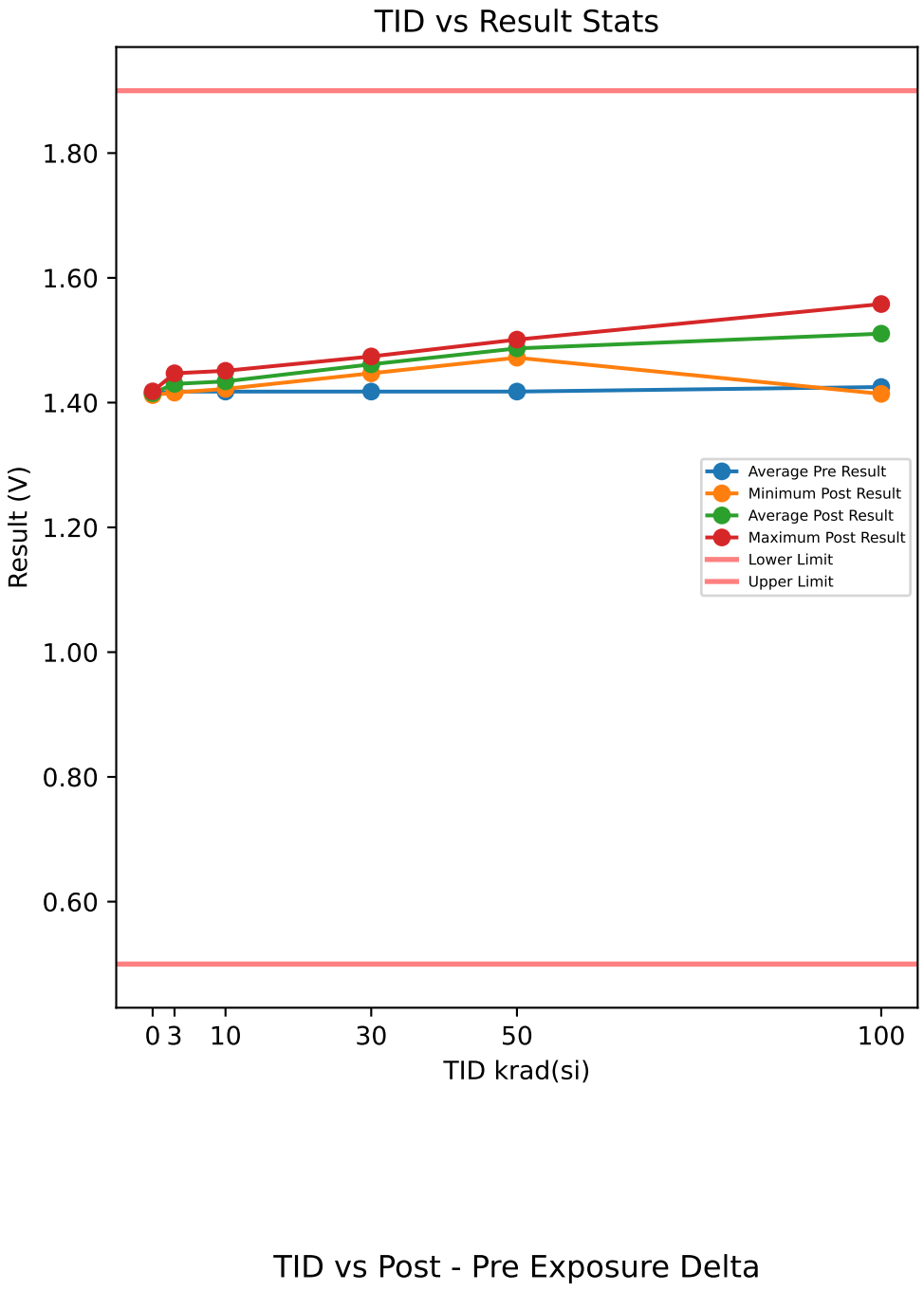

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

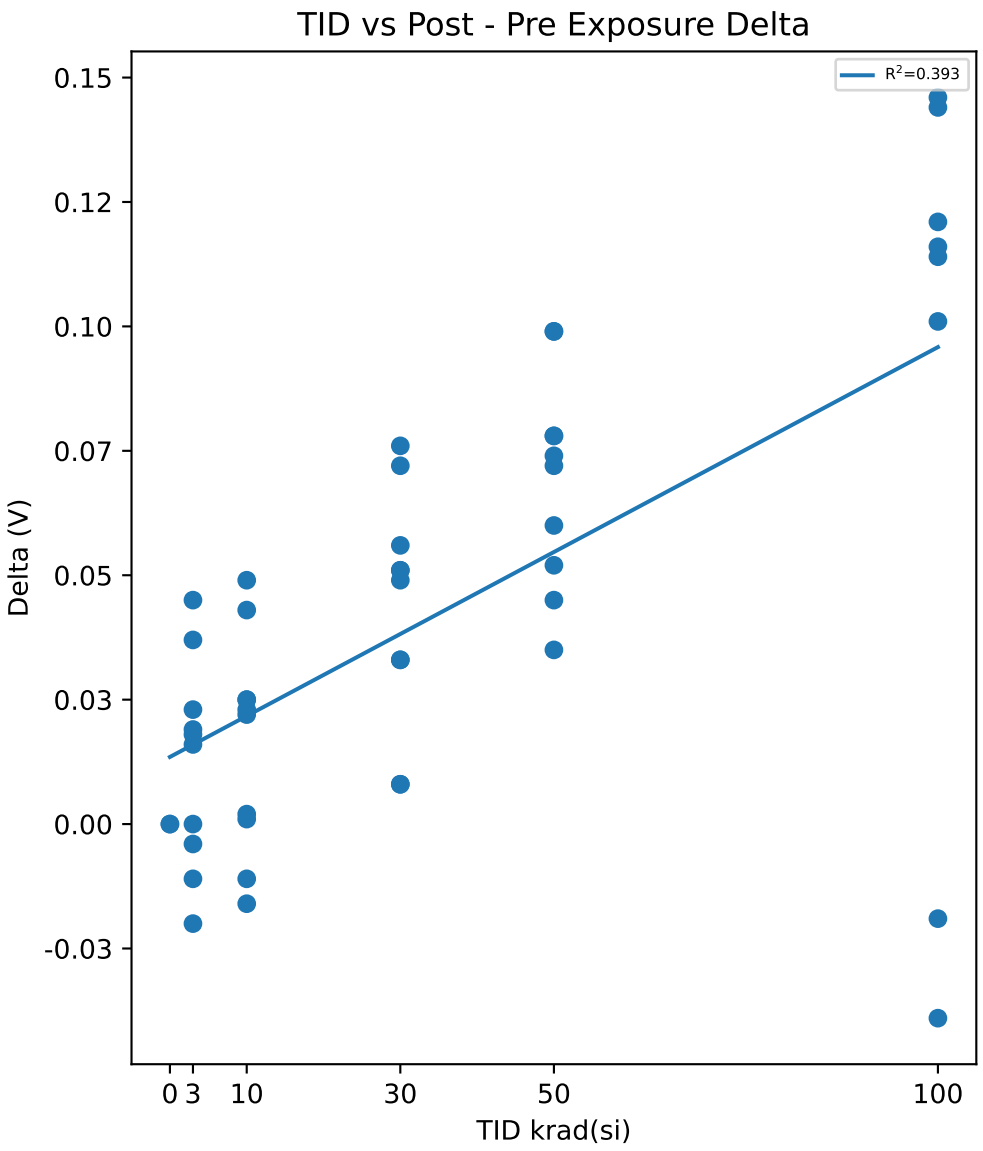
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.41 | 1.41 | 0 |
| 7 | 0 | Correlation | 1.416 | 1.416 | 0 |
| 16 | 3 | LDR-Biased | 1.437 | 1.426 | -0.011 |
| 18 | 3 | LDR-Biased | 1.453 | 1.435 | -0.018 |
| 19 | 3 | LDR-Biased | 1.402 | 1.447 | 0.045 |
| 20 | 3 | LDR-Biased | 1.414 | 1.437 | 0.023 |
| 21 | 3 | LDR-Biased | 1.42 | 1.418 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.414 | 1.433 | 0.019 |
| 23 | 3 | LDR-Unbiased | 1.428 | 1.426 | -0.002 |
| 25 | 3 | LDR-Unbiased | 1.387 | 1.422 | 0.035 |
| 26 | 3 | LDR-Unbiased | 1.41 | 1.428 | 0.018 |
| 27 | 3 | LDR-Unbiased | 1.4 | 1.416 | 0.016 |
| 46 | 10 | LDR-Biased | 1.437 | 1.428 | -0.009 |
| 48 | 10 | LDR-Biased | 1.453 | 1.439 | -0.014 |
| 49 | 10 | LDR-Biased | 1.402 | 1.451 | 0.049 |
| 50 | 10 | LDR-Biased | 1.414 | 1.441 | 0.027 |
| 51 | 10 | LDR-Biased | 1.42 | 1.42 | 0 |
| 52 | 10 | LDR-Unbiased | 1.414 | 1.439 | 0.025 |
| 53 | 10 | LDR-Unbiased | 1.428 | 1.43 | 0.002 |
| 55 | 10 | LDR-Unbiased | 1.387 | 1.428 | 0.041 |
| 56 | 10 | LDR-Unbiased | 1.41 | 1.435 | 0.025 |
| 57 | 10 | LDR-Unbiased | 1.4 | 1.422 | 0.022 |
| 76 | 30 | LDR-Biased | 1.437 | 1.447 | 0.01 |
| 78 | 30 | LDR-Biased | 1.453 | 1.463 | 0.01 |
| 79 | 30 | LDR-Biased | 1.402 | 1.474 | 0.072 |
| 80 | 30 | LDR-Biased | 1.414 | 1.463 | 0.049 |
| 81 | 30 | LDR-Biased | 1.42 | 1.453 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.414 | 1.472 | 0.058 |
| 83 | 30 | LDR-Unbiased | 1.428 | 1.463 | 0.035 |
| 84 | 30 | LDR-Unbiased | 1.4 | 1.451 | 0.051 |
| 85 | 30 | LDR-Unbiased | 1.387 | 1.463 | 0.076 |
| 86 | 30 | LDR-Unbiased | 1.41 | 1.463 | 0.053 |
| 87 | 100 | LDR-Biased | 1.402 | 1.546 | 0.144 |
| 88 | 100 | LDR-Biased | 1.433 | 1.414 | -0.019 |
| 90 | 100 | LDR-Biased | 1.453 | 1.414 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.416 | 1.532 | 0.116 |
| 93 | 100 | LDR-Unbiased | 1.42 | 1.534 | 0.114 |
| 94 | 100 | LDR-Unbiased | 1.437 | 1.556 | 0.119 |
| 95 | 100 | LDR-Unbiased | 1.435 | 1.536 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.398 | 1.542 | 0.144 |
| 106 | 50 | LDR-Biased | 1.437 | 1.484 | 0.047 |
| 108 | 50 | LDR-Biased | 1.453 | 1.49 | 0.037 |
| 109 | 50 | LDR-Biased | 1.402 | 1.501 | 0.099 |
| 110 | 50 | LDR-Biased | 1.414 | 1.486 | 0.072 |
| 111 | 50 | LDR-Biased | 1.42 | 1.472 | 0.052 |
| 112 | 50 | LDR-Unbiased | 1.414 | 1.492 | 0.078 |
| 113 | 50 | LDR-Unbiased | 1.428 | 1.49 | 0.062 |
| 115 | 50 | LDR-Unbiased | 1.387 | 1.486 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.41 | 1.488 | 0.078 |
| 117 | 50 | LDR-Unbiased | 1.4 | 1.474 | 0.074 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.41 | 1.413 | 1.416 | 0.0042426 | 1.41 | 1.413 | 1.416 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 1.387 | 1.4165 | 1.453 | 0.019162 | 1.416 | 1.4288 | 1.447 | 0.0094139 | -0.018 | 0.0123 | 0.045 | 0.020166 |
| 10 | 1.387 | 1.4165 | 1.453 | 0.019162 | 1.42 | 1.4333 | 1.451 | 0.0094991 | -0.014 | 0.0168 | 0.049 | 0.021091 |
| 30 | 1.387 | 1.4165 | 1.453 | 0.019162 | 1.447 | 1.4612 | 1.474 | 0.0086255 | 0.01 | 0.0447 | 0.076 | 0.022774 |
| 50 | 1.387 | 1.4165 | 1.453 | 0.019162 | 1.472 | 1.4863 | 1.501 | 0.0084334 | 0.037 | 0.0698 | 0.099 | 0.020644 |
| 100 | 1.398 | 1.4243 | 1.453 | 0.018714 | 1.414 | 1.5092 | 1.556 | 0.059281 | -0.039 | 0.085 | 0.144 | 0.072079 |

# Device Test: 6.129 IN_VPOR_RISE_EN4/EN4/1.6//0/0/0/@VIN_VALID



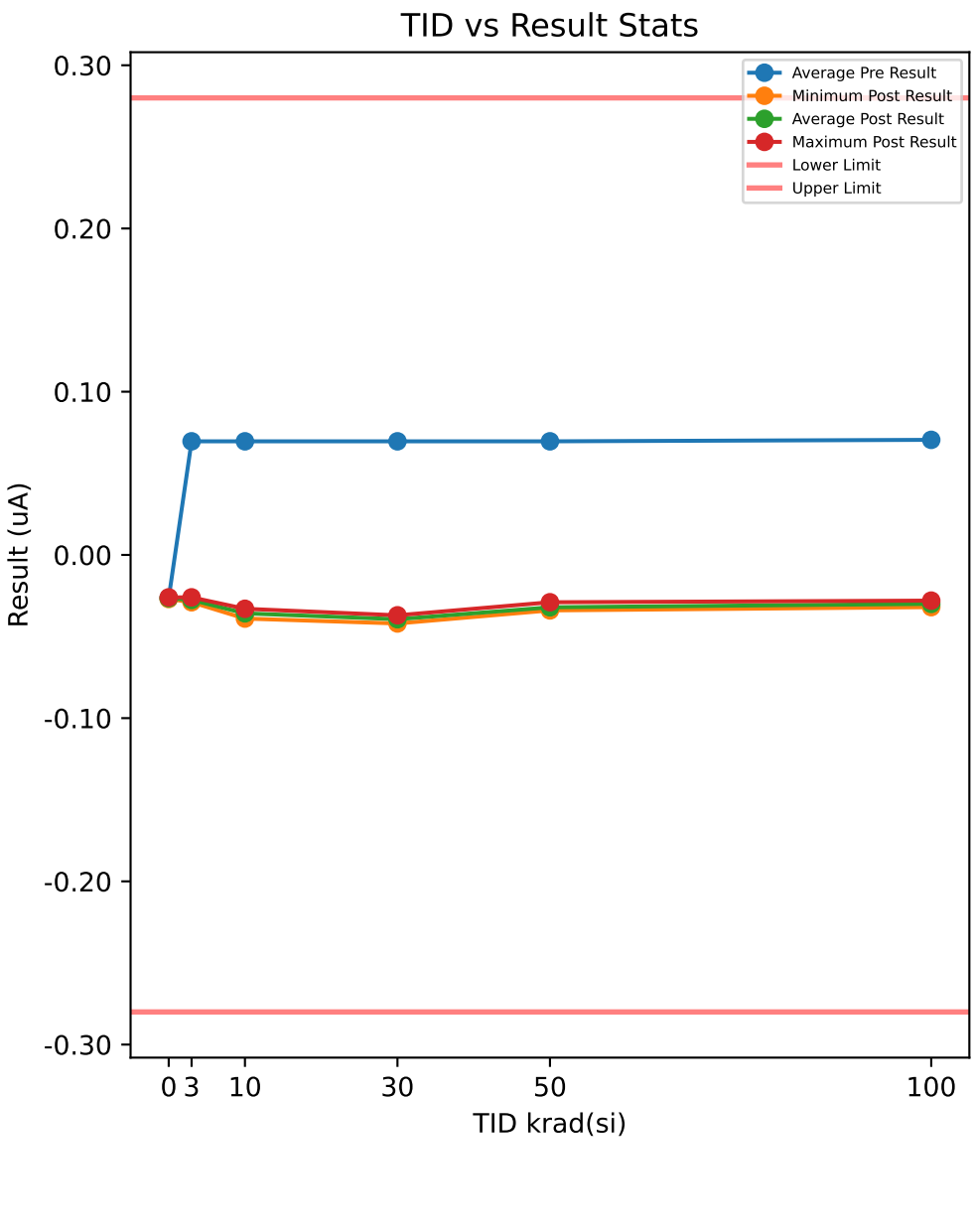

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

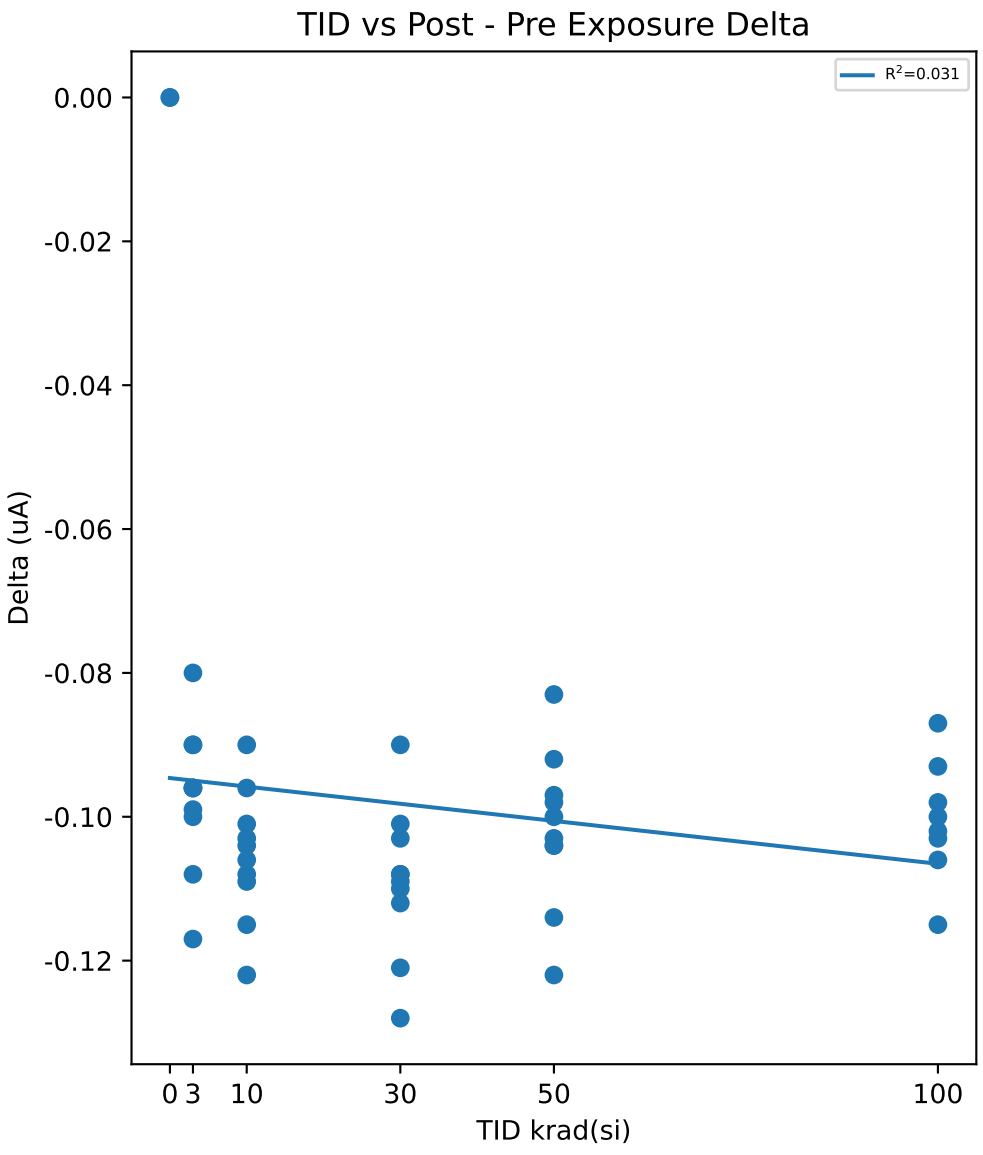
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.412 | 1.412 | 0 |
| 7 | 0 | Correlation | 1.418 | 1.418 | 0 |
| 16 | 3 | LDR-Biased | 1.439 | 1.428 | -0.011 |
| 18 | 3 | LDR-Biased | 1.455 | 1.435 | -0.02 |
| 19 | 3 | LDR-Biased | 1.402 | 1.447 | 0.045 |
| 20 | 3 | LDR-Biased | 1.416 | 1.439 | 0.023 |
| 21 | 3 | LDR-Biased | 1.42 | 1.42 | 0 |
| 22 | 3 | LDR-Unbiased | 1.416 | 1.435 | 0.019 |
| 23 | 3 | LDR-Unbiased | 1.43 | 1.426 | -0.004 |
| 25 | 3 | LDR-Unbiased | 1.387 | 1.424 | 0.037 |
| 26 | 3 | LDR-Unbiased | 1.412 | 1.43 | 0.018 |
| 27 | 3 | LDR-Unbiased | 1.4 | 1.416 | 0.016 |
| 46 | 10 | LDR-Biased | 1.439 | 1.428 | -0.011 |
| 48 | 10 | LDR-Biased | 1.455 | 1.439 | -0.016 |
| 49 | 10 | LDR-Biased | 1.402 | 1.451 | 0.049 |
| 50 | 10 | LDR-Biased | 1.416 | 1.441 | 0.025 |
| 51 | 10 | LDR-Biased | 1.42 | 1.422 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.416 | 1.441 | 0.025 |
| 53 | 10 | LDR-Unbiased | 1.43 | 1.431 | 0.001 |
| 55 | 10 | LDR-Unbiased | 1.387 | 1.43 | 0.043 |
| 56 | 10 | LDR-Unbiased | 1.412 | 1.435 | 0.023 |
| 57 | 10 | LDR-Unbiased | 1.4 | 1.422 | 0.022 |
| 76 | 30 | LDR-Biased | 1.439 | 1.447 | 0.008 |
| 78 | 30 | LDR-Biased | 1.455 | 1.463 | 0.008 |
| 79 | 30 | LDR-Biased | 1.402 | 1.474 | 0.072 |
| 80 | 30 | LDR-Biased | 1.416 | 1.465 | 0.049 |
| 81 | 30 | LDR-Biased | 1.42 | 1.453 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.416 | 1.472 | 0.056 |
| 83 | 30 | LDR-Unbiased | 1.43 | 1.463 | 0.033 |
| 84 | 30 | LDR-Unbiased | 1.4 | 1.451 | 0.051 |
| 85 | 30 | LDR-Unbiased | 1.387 | 1.463 | 0.076 |
| 86 | 30 | LDR-Unbiased | 1.412 | 1.463 | 0.051 |
| 87 | 100 | LDR-Biased | 1.402 | 1.548 | 0.146 |
| 88 | 100 | LDR-Biased | 1.435 | 1.416 | -0.019 |
| 90 | 100 | LDR-Biased | 1.453 | 1.414 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.418 | 1.532 | 0.114 |
| 93 | 100 | LDR-Unbiased | 1.42 | 1.536 | 0.116 |
| 94 | 100 | LDR-Unbiased | 1.437 | 1.558 | 0.121 |
| 95 | 100 | LDR-Unbiased | 1.435 | 1.536 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.4 | 1.544 | 0.144 |
| 106 | 50 | LDR-Biased | 1.439 | 1.484 | 0.045 |
| 108 | 50 | LDR-Biased | 1.455 | 1.49 | 0.035 |
| 109 | 50 | LDR-Biased | 1.402 | 1.501 | 0.099 |
| 110 | 50 | LDR-Biased | 1.416 | 1.488 | 0.072 |
| 111 | 50 | LDR-Biased | 1.42 | 1.472 | 0.052 |
| 112 | 50 | LDR-Unbiased | 1.416 | 1.494 | 0.078 |
| 113 | 50 | LDR-Unbiased | 1.43 | 1.49 | 0.06 |
| 115 | 50 | LDR-Unbiased | 1.387 | 1.486 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.412 | 1.49 | 0.078 |
| 117 | 50 | LDR-Unbiased | 1.4 | 1.474 | 0.074 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.412 | 1.415 | 1.418 | 0.0042426 | 1.412 | 1.415 | 1.418 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 1.387 | 1.4177 | 1.455 | 0.019839 | 1.416 | 1.43 | 1.447 | 0.0092616 | -0.02 | 0.0123 | 0.045 | 0.020785 |
| 10 | 1.387 | 1.4177 | 1.455 | 0.019839 | 1.422 | 1.434 | 1.451 | 0.0092014 | -0.016 | 0.0163 | 0.049 | 0.0217 |
| 30 | 1.387 | 1.4177 | 1.455 | 0.019839 | 1.447 | 1.4614 | 1.474 | 0.0086948 | 0.008 | 0.0437 | 0.076 | 0.023353 |
| 50 | 1.387 | 1.4177 | 1.455 | 0.019839 | 1.472 | 1.4869 | 1.501 | 0.0086724 | 0.035 | 0.0692 | 0.099 | 0.021337 |
| 100 | 1.4 | 1.425 | 1.453 | 0.018346 | 1.414 | 1.5105 | 1.558 | 0.05951 | -0.039 | 0.0855 | 0.146 | 0.072453 |

# Device Test: 6.13 ILKG_SR_FAULTb/ILKG_SR_FAULTb//14/0/0/0/@SR_FAULT_ILKG



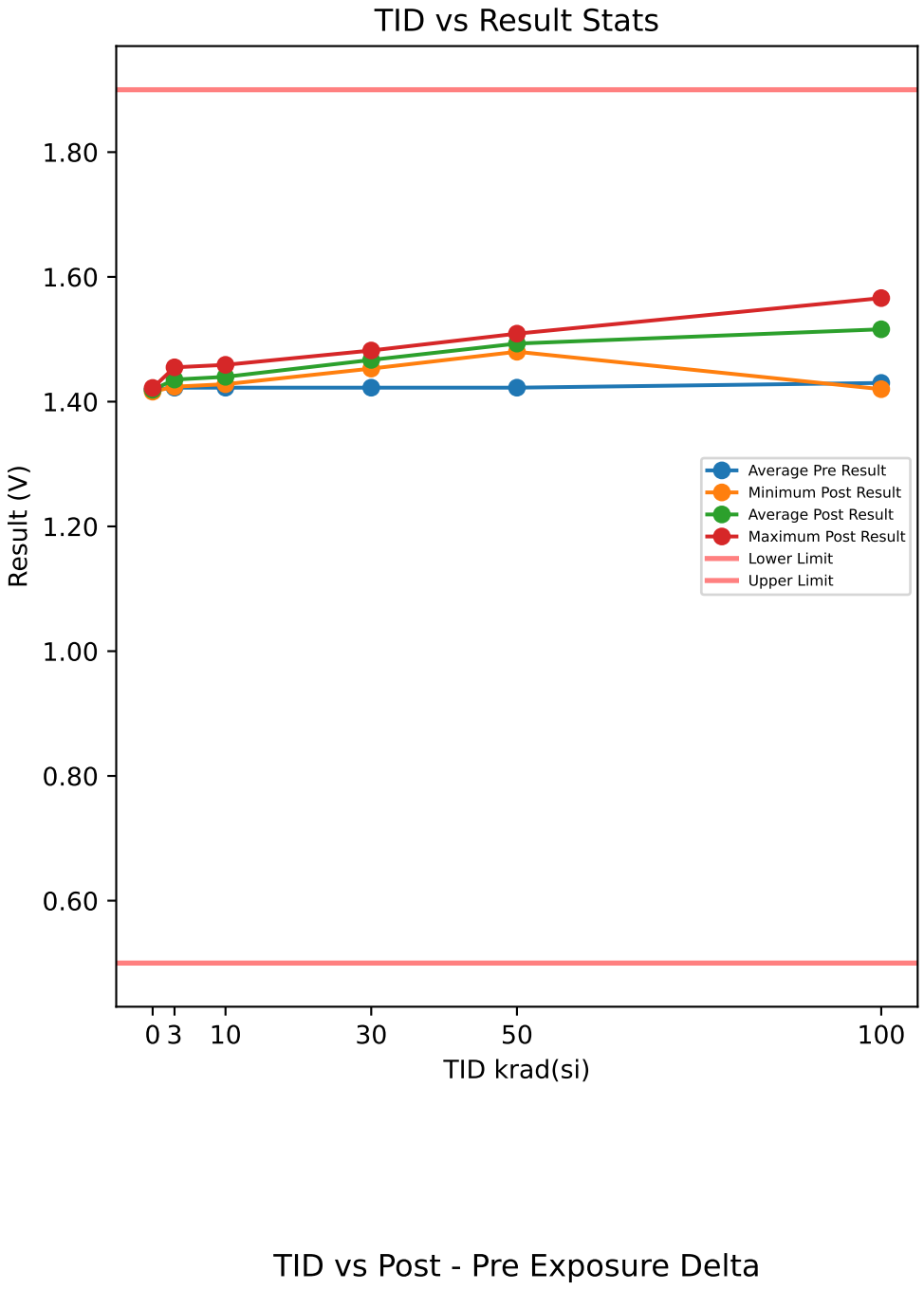

Test Results (Lower Limit = -0.28, Upper Limit = 0.28 (uA))

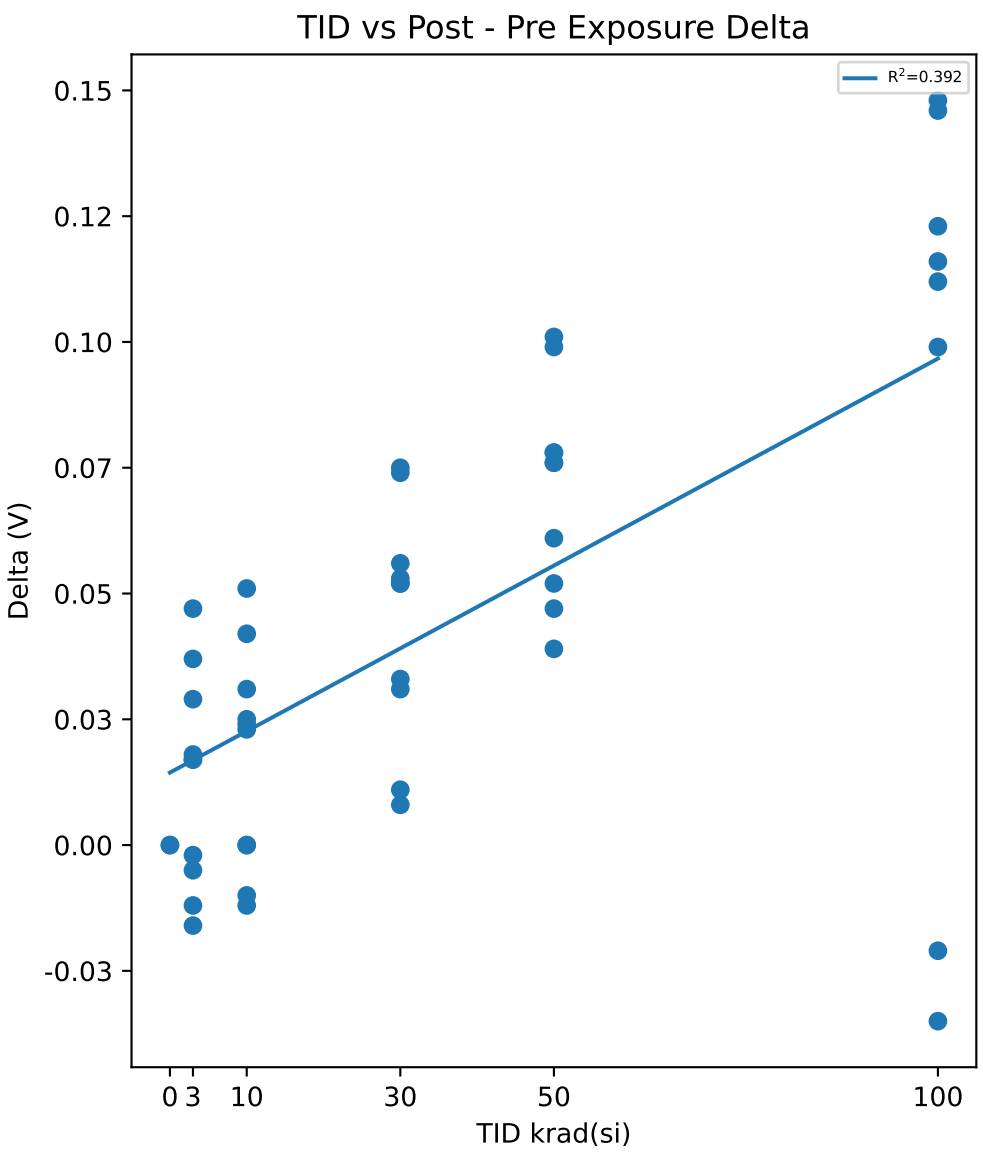
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | -0.026 | -0.026 | 0 |
| 7 | 0 | Correlation | -0.027 | -0.027 | 0 |
| 16 | 3 | LDR-Biased | 0.061 | -0.029 | -0.09 |
| 18 | 3 | LDR-Biased | 0.07 | -0.026 | -0.096 |
| 19 | 3 | LDR-Biased | 0.07 | -0.026 | -0.096 |
| 20 | 3 | LDR-Biased | 0.089 | -0.028 | -0.117 |
| 21 | 3 | LDR-Biased | 0.064 | -0.026 | -0.09 |
| 22 | 3 | LDR-Unbiased | 0.081 | -0.027 | -0.108 |
| 23 | 3 | LDR-Unbiased | 0.071 | -0.029 | -0.1 |
| 25 | 3 | LDR-Unbiased | 0.067 | -0.029 | -0.096 |
| 26 | 3 | LDR-Unbiased | 0.053 | -0.027 | -0.08 |
| 27 | 3 | LDR-Unbiased | 0.07 | -0.029 | -0.099 |
| 46 | 10 | LDR-Biased | 0.061 | -0.035 | -0.096 |
| 48 | 10 | LDR-Biased | 0.07 | -0.036 | -0.106 |
| 49 | 10 | LDR-Biased | 0.07 | -0.034 | -0.104 |
| 50 | 10 | LDR-Biased | 0.089 | -0.033 | -0.122 |
| 51 | 10 | LDR-Biased | 0.064 | -0.037 | -0.101 |
| 52 | 10 | LDR-Unbiased | 0.081 | -0.034 | -0.115 |
| 53 | 10 | LDR-Unbiased | 0.071 | -0.037 | -0.108 |
| 55 | 10 | LDR-Unbiased | 0.067 | -0.036 | -0.103 |
| 56 | 10 | LDR-Unbiased | 0.053 | -0.037 | -0.09 |
| 57 | 10 | LDR-Unbiased | 0.07 | -0.039 | -0.109 |
| 76 | 30 | LDR-Biased | 0.061 | -0.04 | -0.101 |
| 78 | 30 | LDR-Biased | 0.07 | -0.038 | -0.108 |
| 79 | 30 | LDR-Biased | 0.07 | -0.039 | -0.109 |
| 80 | 30 | LDR-Biased | 0.089 | -0.039 | -0.128 |
| 81 | 30 | LDR-Biased | 0.064 | -0.039 | -0.103 |
| 82 | 30 | LDR-Unbiased | 0.081 | -0.04 | -0.121 |
| 83 | 30 | LDR-Unbiased | 0.071 | -0.039 | -0.11 |
| 84 | 30 | LDR-Unbiased | 0.07 | -0.042 | -0.112 |
| 85 | 30 | LDR-Unbiased | 0.067 | -0.041 | -0.108 |
| 86 | 30 | LDR-Unbiased | 0.053 | -0.037 | -0.09 |
| 87 | 100 | LDR-Biased | 0.059 | -0.028 | -0.087 |
| 88 | 100 | LDR-Biased | 0.069 | -0.029 | -0.098 |
| 90 | 100 | LDR-Biased | 0.074 | -0.032 | -0.106 |
| 91 | 100 | LDR-Unbiased | 0.083 | -0.032 | -0.115 |
| 93 | 100 | LDR-Unbiased | 0.063 | -0.03 | -0.093 |
| 94 | 100 | LDR-Unbiased | 0.073 | -0.03 | -0.103 |
| 95 | 100 | LDR-Unbiased | 0.069 | -0.031 | -0.1 |
| 96 | 100 | LDR-Unbiased | 0.074 | -0.028 | -0.102 |
| 106 | 50 | LDR-Biased | 0.061 | -0.031 | -0.092 |
| 108 | 50 | LDR-Biased | 0.07 | -0.034 | -0.104 |
| 109 | 50 | LDR-Biased | 0.07 | -0.033 | -0.103 |
| 110 | 50 | LDR-Biased | 0.089 | -0.033 | -0.122 |
| 111 | 50 | LDR-Biased | 0.064 | -0.033 | -0.097 |
| 112 | 50 | LDR-Unbiased | 0.081 | -0.033 | -0.114 |
| 113 | 50 | LDR-Unbiased | 0.071 | -0.029 | -0.1 |
| 115 | 50 | LDR-Unbiased | 0.067 | -0.031 | -0.098 |
| 116 | 50 | LDR-Unbiased | 0.053 | -0.03 | -0.083 |
| 117 | 50 | LDR-Unbiased | 0.07 | -0.034 | -0.104 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | -0.027 | -0.0265 | -0.026 | 0.00070711 | -0.027 | -0.0265 | -0.026 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.053 | 0.0696 | 0.089 | 0.00998 | -0.029 | -0.0276 | -0.026 | 0.0013499 | -0.117 | -0.0972 | -0.08 | 0.01013 |
| 10 | 0.053 | 0.0696 | 0.089 | 0.00998 | -0.039 | -0.0358 | -0.033 | 0.0018135 | -0.122 | -0.1054 | -0.09 | 0.0090701 |
| 30 | 0.053 | 0.0696 | 0.089 | 0.00998 | -0.042 | -0.0394 | -0.037 | 0.0014298 | -0.128 | -0.109 | -0.09 | 0.010424 |
| 50 | 0.053 | 0.0696 | 0.089 | 0.00998 | -0.034 | -0.0321 | -0.029 | 0.0017288 | -0.122 | -0.1017 | -0.083 | 0.010843 |
| 100 | 0.059 | 0.0705 | 0.083 | 0.0073679 | -0.032 | -0.03 | -0.028 | 0.0016036 | -0.115 | -0.1005 | -0.087 | 0.0084007 |

# Device Test: 6.130 IN_VPOR_RISE_SEQ/SEQ_DONE/1.6//0/0/0/@VIN_VALID



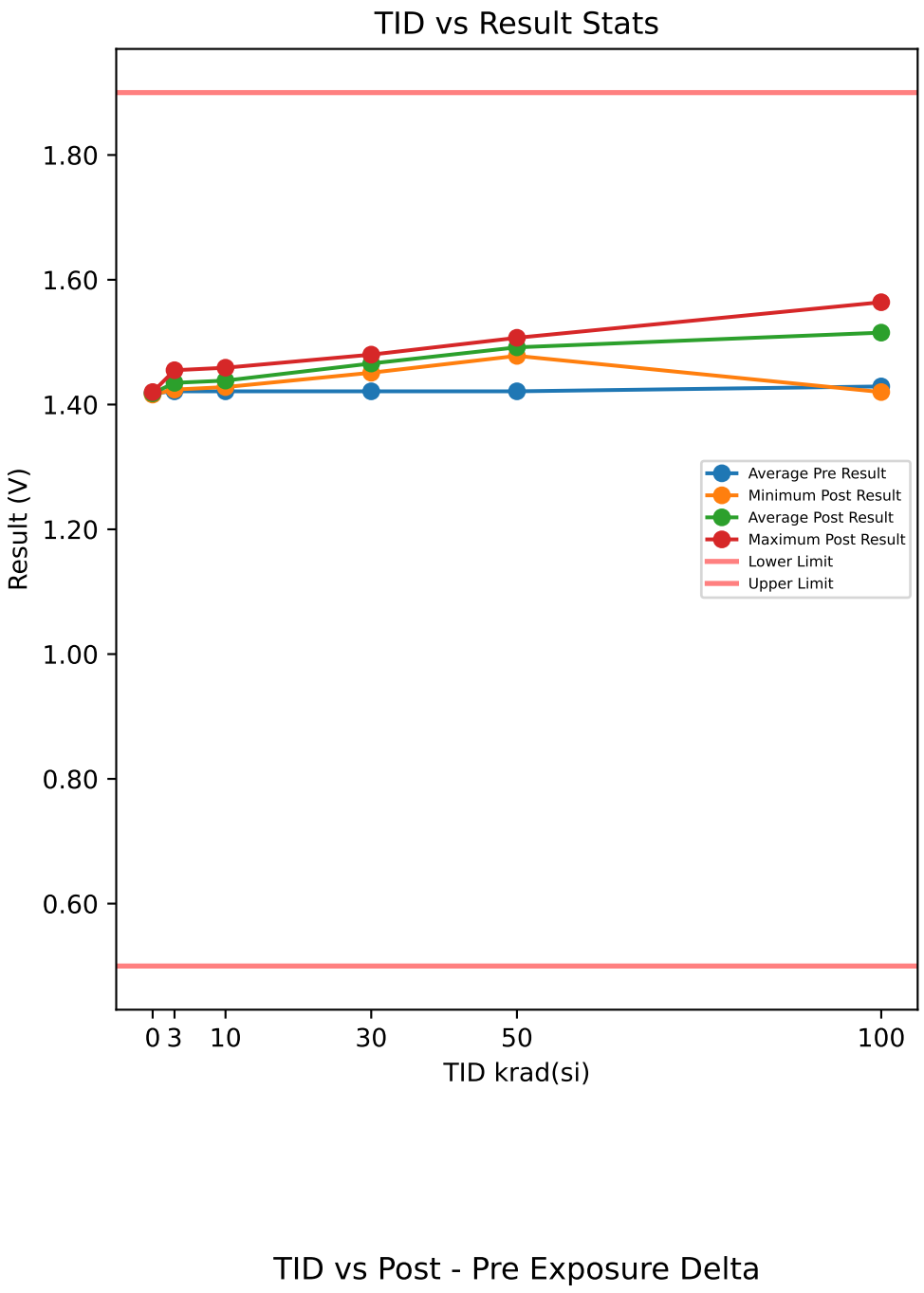

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

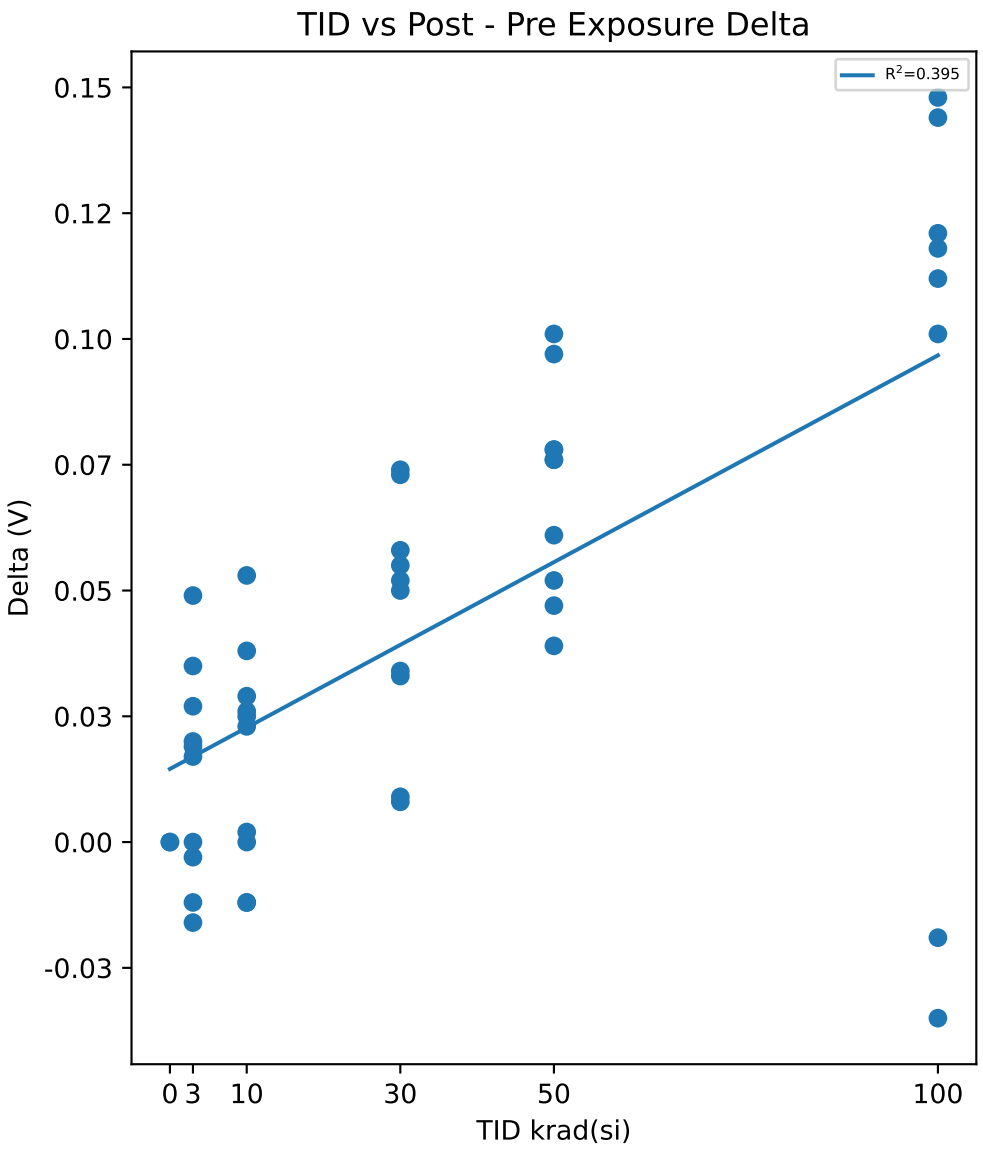
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.416 | 1.416 | 0 |
| 7 | 0 | Correlation | 1.422 | 1.422 | 0 |
| 16 | 3 | LDR-Biased | 1.445 | 1.433 | -0.012 |
| 18 | 3 | LDR-Biased | 1.457 | 1.441 | -0.016 |
| 19 | 3 | LDR-Biased | 1.408 | 1.455 | 0.047 |
| 20 | 3 | LDR-Biased | 1.418 | 1.447 | 0.029 |
| 21 | 3 | LDR-Biased | 1.428 | 1.426 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.42 | 1.437 | 0.017 |
| 23 | 3 | LDR-Unbiased | 1.433 | 1.428 | -0.005 |
| 25 | 3 | LDR-Unbiased | 1.393 | 1.43 | 0.037 |
| 26 | 3 | LDR-Unbiased | 1.416 | 1.433 | 0.017 |
| 27 | 3 | LDR-Unbiased | 1.406 | 1.424 | 0.018 |
| 46 | 10 | LDR-Biased | 1.445 | 1.435 | -0.01 |
| 48 | 10 | LDR-Biased | 1.457 | 1.445 | -0.012 |
| 49 | 10 | LDR-Biased | 1.408 | 1.459 | 0.051 |
| 50 | 10 | LDR-Biased | 1.418 | 1.449 | 0.031 |
| 51 | 10 | LDR-Biased | 1.428 | 1.428 | 0 |
| 52 | 10 | LDR-Unbiased | 1.42 | 1.443 | 0.023 |
| 53 | 10 | LDR-Unbiased | 1.433 | 1.433 | 0 |
| 55 | 10 | LDR-Unbiased | 1.393 | 1.435 | 0.042 |
| 56 | 10 | LDR-Unbiased | 1.416 | 1.441 | 0.025 |
| 57 | 10 | LDR-Unbiased | 1.406 | 1.43 | 0.024 |
| 76 | 30 | LDR-Biased | 1.445 | 1.453 | 0.008 |
| 78 | 30 | LDR-Biased | 1.457 | 1.468 | 0.011 |
| 79 | 30 | LDR-Biased | 1.408 | 1.482 | 0.074 |
| 80 | 30 | LDR-Biased | 1.418 | 1.47 | 0.052 |
| 81 | 30 | LDR-Biased | 1.428 | 1.459 | 0.031 |
| 82 | 30 | LDR-Unbiased | 1.42 | 1.476 | 0.056 |
| 83 | 30 | LDR-Unbiased | 1.433 | 1.466 | 0.033 |
| 84 | 30 | LDR-Unbiased | 1.406 | 1.459 | 0.053 |
| 85 | 30 | LDR-Unbiased | 1.393 | 1.468 | 0.075 |
| 86 | 30 | LDR-Unbiased | 1.416 | 1.468 | 0.052 |
| 87 | 100 | LDR-Biased | 1.406 | 1.552 | 0.146 |
| 88 | 100 | LDR-Biased | 1.441 | 1.42 | -0.021 |
| 90 | 100 | LDR-Biased | 1.455 | 1.42 | -0.035 |
| 91 | 100 | LDR-Unbiased | 1.422 | 1.538 | 0.116 |
| 93 | 100 | LDR-Unbiased | 1.426 | 1.538 | 0.112 |
| 94 | 100 | LDR-Unbiased | 1.443 | 1.566 | 0.123 |
| 95 | 100 | LDR-Unbiased | 1.441 | 1.54 | 0.099 |
| 96 | 100 | LDR-Unbiased | 1.406 | 1.554 | 0.148 |
| 106 | 50 | LDR-Biased | 1.445 | 1.492 | 0.047 |
| 108 | 50 | LDR-Biased | 1.457 | 1.496 | 0.039 |
| 109 | 50 | LDR-Biased | 1.408 | 1.509 | 0.101 |
| 110 | 50 | LDR-Biased | 1.418 | 1.496 | 0.078 |
| 111 | 50 | LDR-Biased | 1.428 | 1.48 | 0.052 |
| 112 | 50 | LDR-Unbiased | 1.42 | 1.496 | 0.076 |
| 113 | 50 | LDR-Unbiased | 1.433 | 1.494 | 0.061 |
| 115 | 50 | LDR-Unbiased | 1.393 | 1.492 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.416 | 1.494 | 0.078 |
| 117 | 50 | LDR-Unbiased | 1.406 | 1.482 | 0.076 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.416 | 1.419 | 1.422 | 0.0042426 | 1.416 | 1.419 | 1.422 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 1.393 | 1.4224 | 1.457 | 0.019027 | 1.424 | 1.4354 | 1.455 | 0.0098116 | -0.016 | 0.013 | 0.047 | 0.021239 |
| 10 | 1.393 | 1.4224 | 1.457 | 0.019027 | 1.428 | 1.4398 | 1.459 | 0.0095429 | -0.012 | 0.0174 | 0.051 | 0.021788 |
| 30 | 1.393 | 1.4224 | 1.457 | 0.019027 | 1.453 | 1.4669 | 1.482 | 0.0084518 | 0.008 | 0.0445 | 0.075 | 0.023301 |
| 50 | 1.393 | 1.4224 | 1.457 | 0.019027 | 1.48 | 1.4931 | 1.509 | 0.0080062 | 0.039 | 0.0707 | 0.101 | 0.020796 |
| 100 | 1.406 | 1.43 | 1.455 | 0.018 | 1.42 | 1.516 | 1.566 | 0.060019 | -0.035 | 0.086 | 0.148 | 0.072356 |

# Device Test: 6.131 IN_VPOR_RISE_PWRGD/PWRGD/1.6//0/0/0/@VIN_VALID



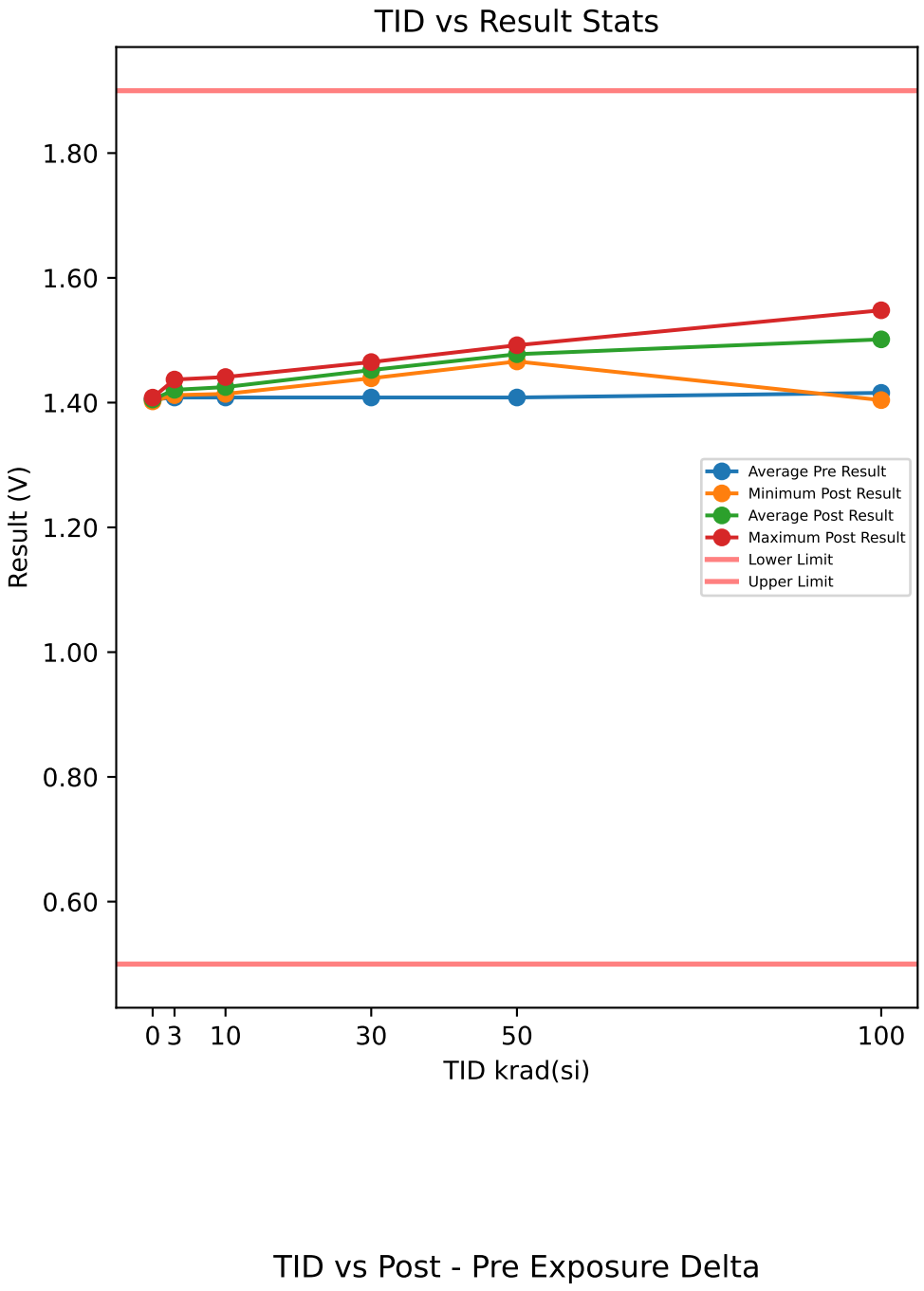

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

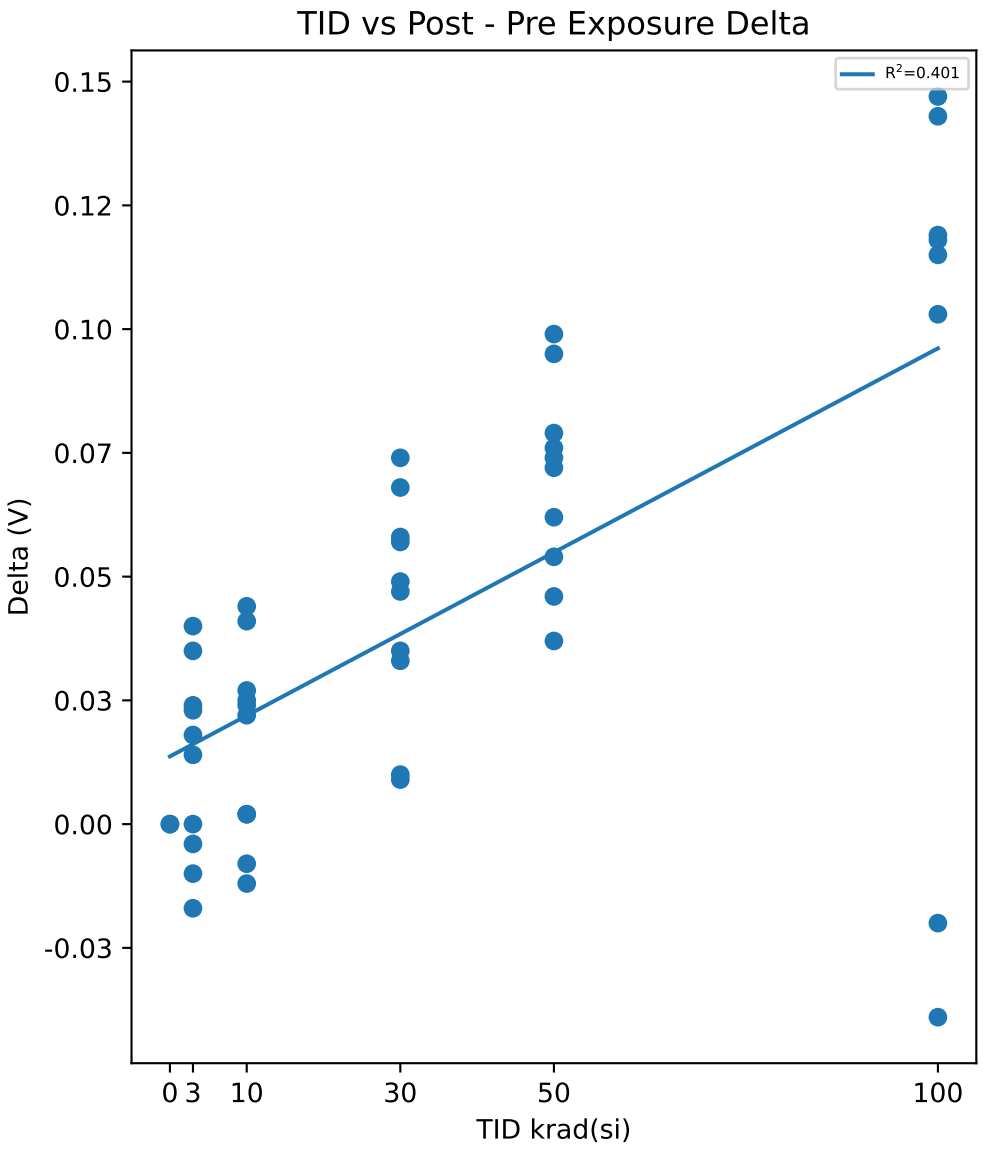
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.416 | 1.416 | 0 |
| 7 | 0 | Correlation | 1.42 | 1.42 | 0 |
| 16 | 3 | LDR-Biased | 1.443 | 1.431 | -0.012 |
| 18 | 3 | LDR-Biased | 1.457 | 1.441 | -0.016 |
| 19 | 3 | LDR-Biased | 1.406 | 1.455 | 0.049 |
| 20 | 3 | LDR-Biased | 1.418 | 1.445 | 0.027 |
| 21 | 3 | LDR-Biased | 1.426 | 1.426 | 0 |
| 22 | 3 | LDR-Unbiased | 1.418 | 1.437 | 0.019 |
| 23 | 3 | LDR-Unbiased | 1.431 | 1.428 | -0.003 |
| 25 | 3 | LDR-Unbiased | 1.393 | 1.428 | 0.035 |
| 26 | 3 | LDR-Unbiased | 1.416 | 1.433 | 0.017 |
| 27 | 3 | LDR-Unbiased | 1.404 | 1.424 | 0.02 |
| 46 | 10 | LDR-Biased | 1.443 | 1.431 | -0.012 |
| 48 | 10 | LDR-Biased | 1.457 | 1.445 | -0.012 |
| 49 | 10 | LDR-Biased | 1.406 | 1.459 | 0.053 |
| 50 | 10 | LDR-Biased | 1.418 | 1.447 | 0.029 |
| 51 | 10 | LDR-Biased | 1.426 | 1.428 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.418 | 1.443 | 0.025 |
| 53 | 10 | LDR-Unbiased | 1.431 | 1.431 | 0 |
| 55 | 10 | LDR-Unbiased | 1.393 | 1.431 | 0.038 |
| 56 | 10 | LDR-Unbiased | 1.416 | 1.439 | 0.023 |
| 57 | 10 | LDR-Unbiased | 1.404 | 1.43 | 0.026 |
| 76 | 30 | LDR-Biased | 1.443 | 1.451 | 0.008 |
| 78 | 30 | LDR-Biased | 1.457 | 1.466 | 0.009 |
| 79 | 30 | LDR-Biased | 1.406 | 1.48 | 0.074 |
| 80 | 30 | LDR-Biased | 1.418 | 1.468 | 0.05 |
| 81 | 30 | LDR-Biased | 1.426 | 1.459 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.418 | 1.476 | 0.058 |
| 83 | 30 | LDR-Unbiased | 1.431 | 1.465 | 0.034 |
| 84 | 30 | LDR-Unbiased | 1.404 | 1.459 | 0.055 |
| 85 | 30 | LDR-Unbiased | 1.393 | 1.466 | 0.073 |
| 86 | 30 | LDR-Unbiased | 1.416 | 1.468 | 0.052 |
| 87 | 100 | LDR-Biased | 1.406 | 1.55 | 0.144 |
| 88 | 100 | LDR-Biased | 1.439 | 1.42 | -0.019 |
| 90 | 100 | LDR-Biased | 1.455 | 1.42 | -0.035 |
| 91 | 100 | LDR-Unbiased | 1.42 | 1.538 | 0.118 |
| 93 | 100 | LDR-Unbiased | 1.426 | 1.538 | 0.112 |
| 94 | 100 | LDR-Unbiased | 1.443 | 1.564 | 0.121 |
| 95 | 100 | LDR-Unbiased | 1.439 | 1.54 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.404 | 1.552 | 0.148 |
| 106 | 50 | LDR-Biased | 1.443 | 1.49 | 0.047 |
| 108 | 50 | LDR-Biased | 1.457 | 1.496 | 0.039 |
| 109 | 50 | LDR-Biased | 1.406 | 1.507 | 0.101 |
| 110 | 50 | LDR-Biased | 1.418 | 1.494 | 0.076 |
| 111 | 50 | LDR-Biased | 1.426 | 1.478 | 0.052 |
| 112 | 50 | LDR-Unbiased | 1.418 | 1.496 | 0.078 |
| 113 | 50 | LDR-Unbiased | 1.431 | 1.492 | 0.061 |
| 115 | 50 | LDR-Unbiased | 1.393 | 1.49 | 0.097 |
| 116 | 50 | LDR-Unbiased | 1.416 | 1.492 | 0.076 |
| 117 | 50 | LDR-Unbiased | 1.404 | 1.482 | 0.078 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.416 | 1.418 | 1.42 | 0.0028284 | 1.416 | 1.418 | 1.42 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 1.393 | 1.4212 | 1.457 | 0.01899 | 1.424 | 1.4348 | 1.455 | 0.009773 | -0.016 | 0.0136 | 0.049 | 0.020988 |
| 10 | 1.393 | 1.4212 | 1.457 | 0.01899 | 1.428 | 1.4384 | 1.459 | 0.010035 | -0.012 | 0.0172 | 0.053 | 0.02175 |
| 30 | 1.393 | 1.4212 | 1.457 | 0.01899 | 1.451 | 1.4658 | 1.48 | 0.0083506 | 0.008 | 0.0446 | 0.074 | 0.023325 |
| 50 | 1.393 | 1.4212 | 1.457 | 0.01899 | 1.478 | 1.4917 | 1.507 | 0.0079169 | 0.039 | 0.0705 | 0.101 | 0.020501 |
| 100 | 1.404 | 1.429 | 1.455 | 0.018189 | 1.42 | 1.5152 | 1.564 | 0.059435 | -0.035 | 0.08625 | 0.148 | 0.071737 |

# Device Test: 6.132 IN_VPOR_RISE_EN1/EN1/7//0/0/0/@VIN_VALID



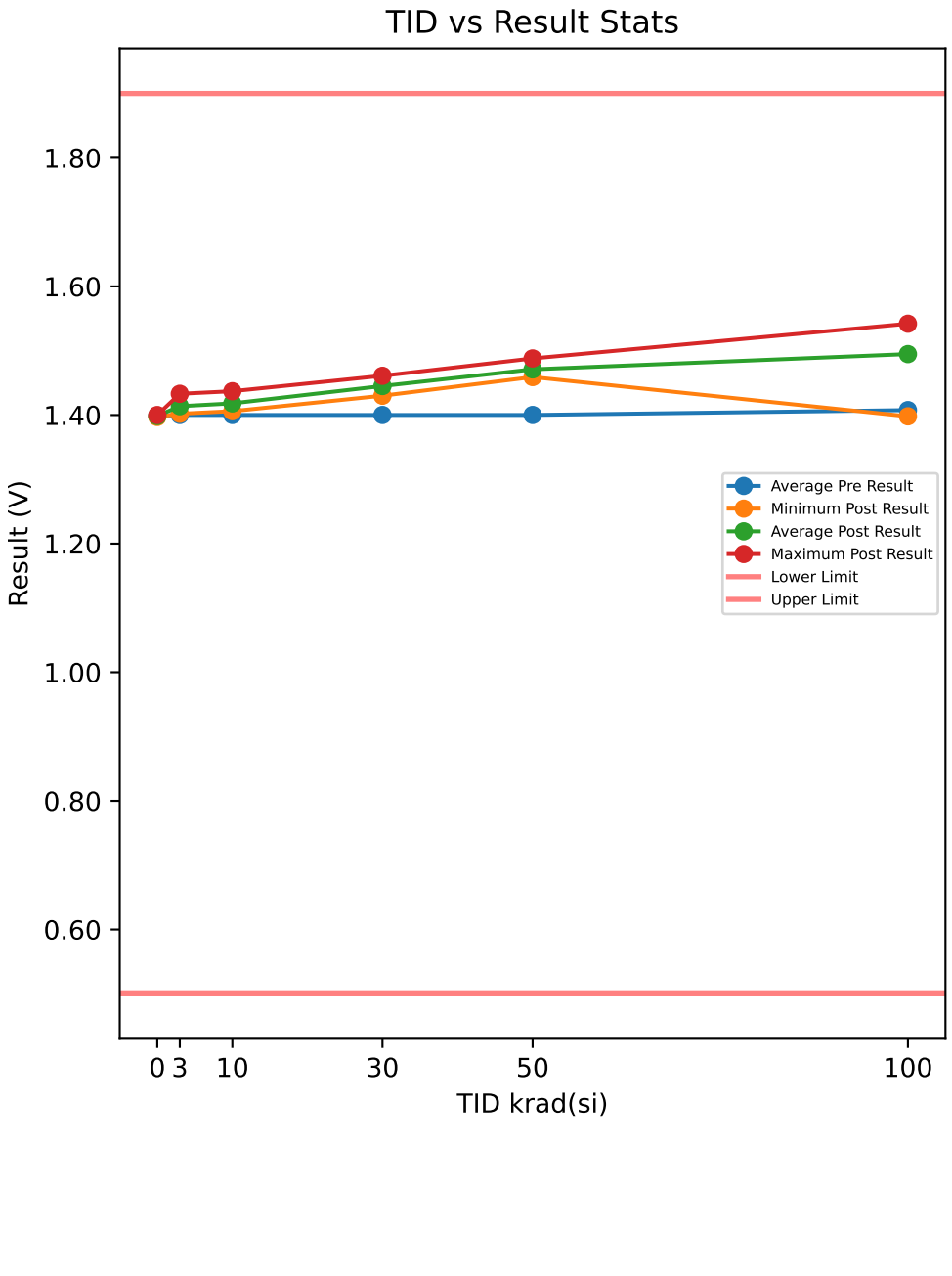

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

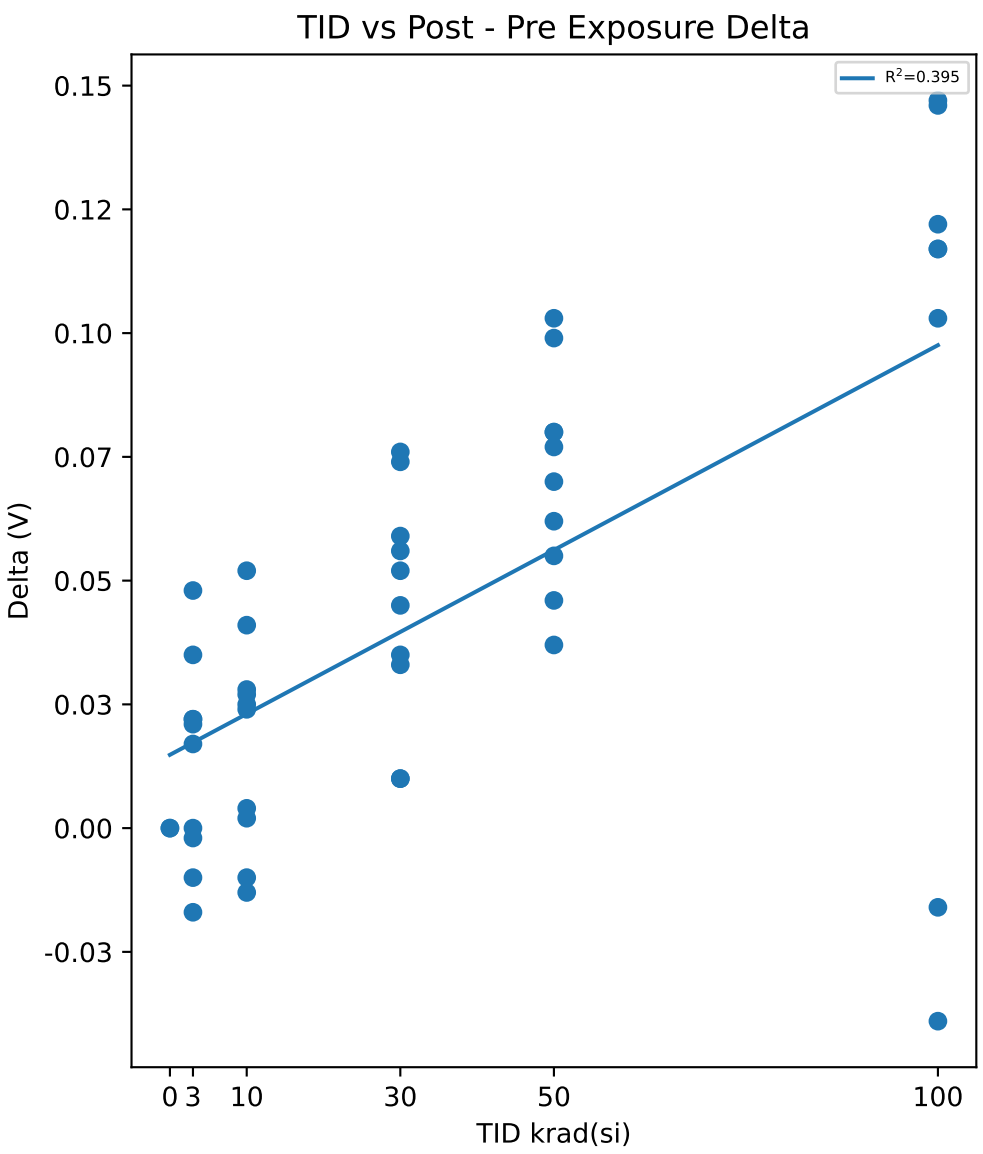
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.402 | 1.402 | 0 |
| 7 | 0 | Correlation | 1.408 | 1.408 | 0 |
| 16 | 3 | LDR-Biased | 1.43 | 1.42 | -0.01 |
| 18 | 3 | LDR-Biased | 1.443 | 1.426 | -0.017 |
| 19 | 3 | LDR-Biased | 1.397 | 1.437 | 0.04 |
| 20 | 3 | LDR-Biased | 1.406 | 1.43 | 0.024 |
| 21 | 3 | LDR-Biased | 1.412 | 1.412 | 0 |
| 22 | 3 | LDR-Unbiased | 1.406 | 1.424 | 0.018 |
| 23 | 3 | LDR-Unbiased | 1.416 | 1.412 | -0.004 |
| 25 | 3 | LDR-Unbiased | 1.379 | 1.414 | 0.035 |
| 26 | 3 | LDR-Unbiased | 1.404 | 1.418 | 0.014 |
| 27 | 3 | LDR-Unbiased | 1.389 | 1.412 | 0.023 |
| 46 | 10 | LDR-Biased | 1.43 | 1.422 | -0.008 |
| 48 | 10 | LDR-Biased | 1.443 | 1.431 | -0.012 |
| 49 | 10 | LDR-Biased | 1.397 | 1.441 | 0.044 |
| 50 | 10 | LDR-Biased | 1.406 | 1.431 | 0.025 |
| 51 | 10 | LDR-Biased | 1.412 | 1.414 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.406 | 1.43 | 0.024 |
| 53 | 10 | LDR-Unbiased | 1.416 | 1.418 | 0.002 |
| 55 | 10 | LDR-Unbiased | 1.379 | 1.42 | 0.041 |
| 56 | 10 | LDR-Unbiased | 1.404 | 1.426 | 0.022 |
| 57 | 10 | LDR-Unbiased | 1.389 | 1.416 | 0.027 |
| 76 | 30 | LDR-Biased | 1.43 | 1.439 | 0.009 |
| 78 | 30 | LDR-Biased | 1.443 | 1.453 | 0.01 |
| 79 | 30 | LDR-Biased | 1.397 | 1.465 | 0.068 |
| 80 | 30 | LDR-Biased | 1.406 | 1.453 | 0.047 |
| 81 | 30 | LDR-Biased | 1.412 | 1.445 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.406 | 1.463 | 0.057 |
| 83 | 30 | LDR-Unbiased | 1.416 | 1.451 | 0.035 |
| 84 | 30 | LDR-Unbiased | 1.389 | 1.447 | 0.058 |
| 85 | 30 | LDR-Unbiased | 1.379 | 1.453 | 0.074 |
| 86 | 30 | LDR-Unbiased | 1.404 | 1.453 | 0.049 |
| 87 | 100 | LDR-Biased | 1.393 | 1.536 | 0.143 |
| 88 | 100 | LDR-Biased | 1.426 | 1.406 | -0.02 |
| 90 | 100 | LDR-Biased | 1.443 | 1.404 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.408 | 1.523 | 0.115 |
| 93 | 100 | LDR-Unbiased | 1.412 | 1.531 | 0.119 |
| 94 | 100 | LDR-Unbiased | 1.43 | 1.548 | 0.118 |
| 95 | 100 | LDR-Unbiased | 1.424 | 1.527 | 0.103 |
| 96 | 100 | LDR-Unbiased | 1.389 | 1.536 | 0.147 |
| 106 | 50 | LDR-Biased | 1.43 | 1.476 | 0.046 |
| 108 | 50 | LDR-Biased | 1.443 | 1.48 | 0.037 |
| 109 | 50 | LDR-Biased | 1.397 | 1.492 | 0.095 |
| 110 | 50 | LDR-Biased | 1.406 | 1.478 | 0.072 |
| 111 | 50 | LDR-Biased | 1.412 | 1.466 | 0.054 |
| 112 | 50 | LDR-Unbiased | 1.406 | 1.482 | 0.076 |
| 113 | 50 | LDR-Unbiased | 1.416 | 1.478 | 0.062 |
| 115 | 50 | LDR-Unbiased | 1.379 | 1.478 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.404 | 1.478 | 0.074 |
| 117 | 50 | LDR-Unbiased | 1.389 | 1.468 | 0.079 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.402 | 1.405 | 1.408 | 0.0042426 | 1.402 | 1.405 | 1.408 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 1.379 | 1.4082 | 1.443 | 0.018665 | 1.412 | 1.4205 | 1.437 | 0.0086313 | -0.017 | 0.0123 | 0.04 | 0.01927 |
| 10 | 1.379 | 1.4082 | 1.443 | 0.018665 | 1.414 | 1.4249 | 1.441 | 0.0084255 | -0.012 | 0.0167 | 0.044 | 0.019602 |
| 30 | 1.379 | 1.4082 | 1.443 | 0.018665 | 1.439 | 1.4522 | 1.465 | 0.0077287 | 0.009 | 0.044 | 0.074 | 0.022256 |
| 50 | 1.379 | 1.4082 | 1.443 | 0.018665 | 1.466 | 1.4776 | 1.492 | 0.0071678 | 0.037 | 0.0694 | 0.099 | 0.019957 |
| 100 | 1.389 | 1.4156 | 1.443 | 0.018616 | 1.404 | 1.5014 | 1.548 | 0.059943 | -0.039 | 0.08575 | 0.147 | 0.072775 |

# Device Test: 6.133 IN_VPOR_RISE_EN2/EN2/7//0/0/0/@VIN_VALID



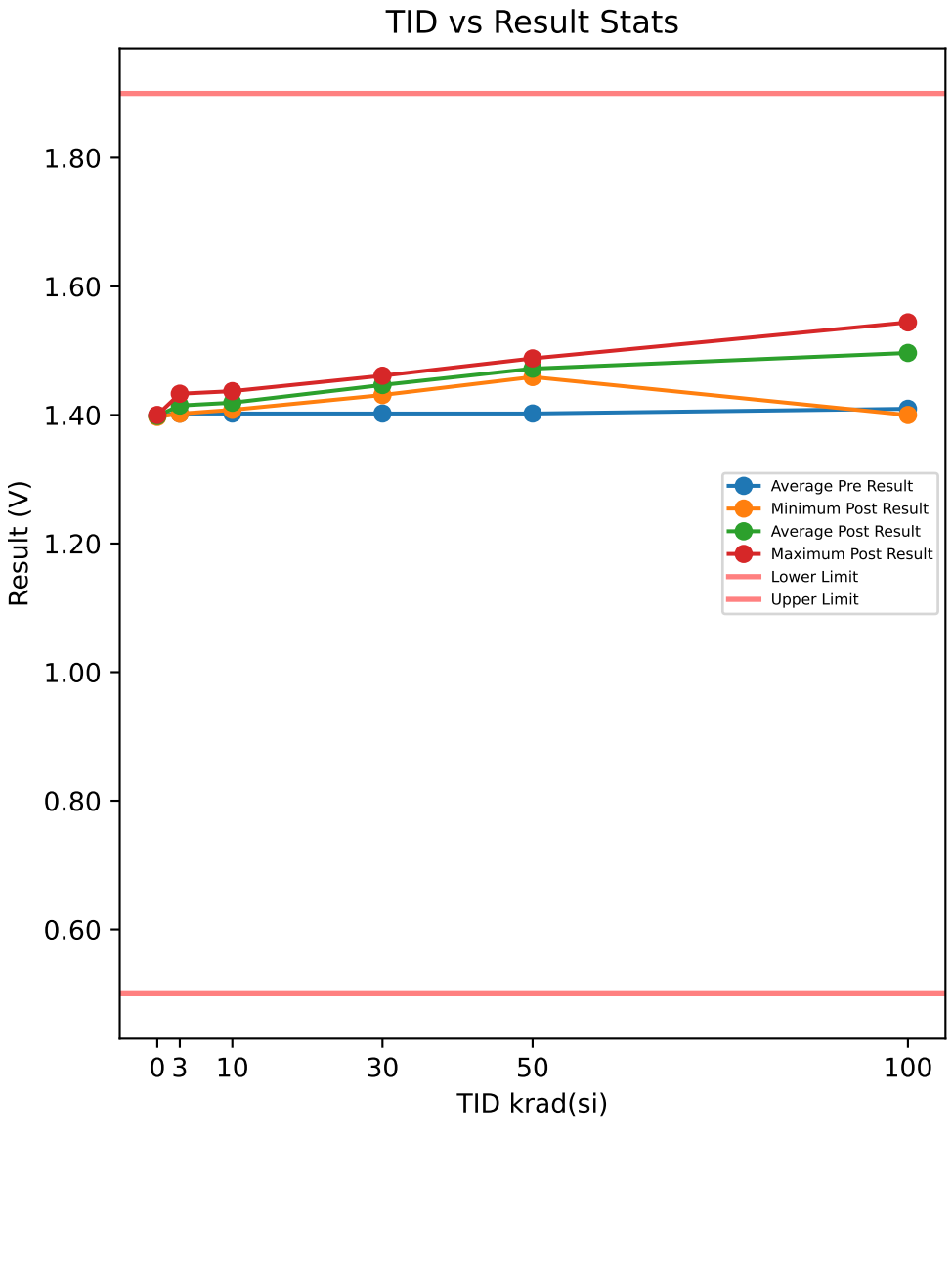

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

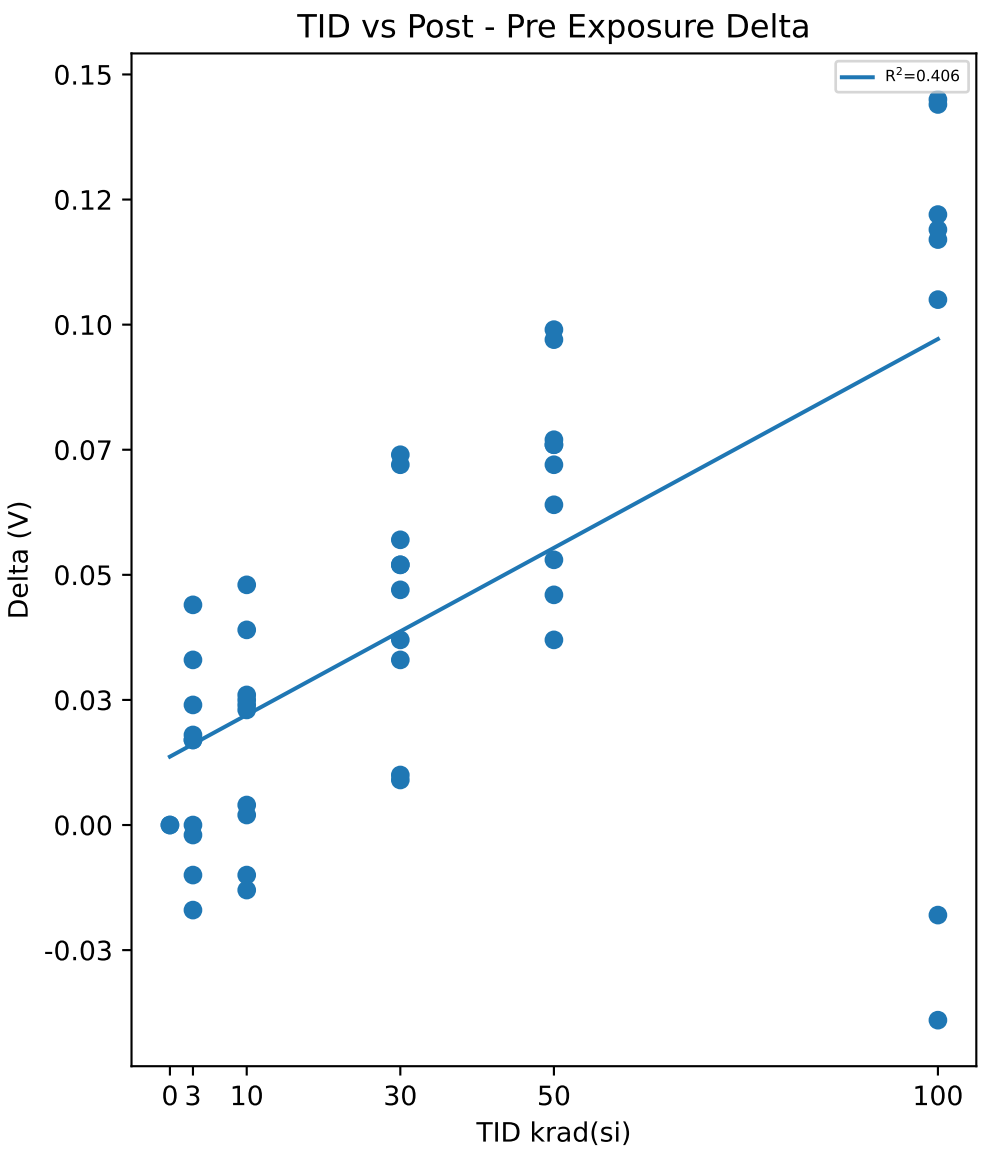
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.397 | 1.397 | 0 |
| 7 | 0 | Correlation | 1.4 | 1.4 | 0 |
| 16 | 3 | LDR-Biased | 1.42 | 1.41 | -0.01 |
| 18 | 3 | LDR-Biased | 1.437 | 1.42 | -0.017 |
| 19 | 3 | LDR-Biased | 1.385 | 1.433 | 0.048 |
| 20 | 3 | LDR-Biased | 1.4 | 1.422 | 0.022 |
| 21 | 3 | LDR-Biased | 1.404 | 1.404 | 0 |
| 22 | 3 | LDR-Unbiased | 1.398 | 1.42 | 0.022 |
| 23 | 3 | LDR-Unbiased | 1.41 | 1.408 | -0.002 |
| 25 | 3 | LDR-Unbiased | 1.371 | 1.406 | 0.035 |
| 26 | 3 | LDR-Unbiased | 1.395 | 1.412 | 0.017 |
| 27 | 3 | LDR-Unbiased | 1.381 | 1.402 | 0.021 |
| 46 | 10 | LDR-Biased | 1.42 | 1.41 | -0.01 |
| 48 | 10 | LDR-Biased | 1.437 | 1.424 | -0.013 |
| 49 | 10 | LDR-Biased | 1.385 | 1.437 | 0.052 |
| 50 | 10 | LDR-Biased | 1.4 | 1.424 | 0.024 |
| 51 | 10 | LDR-Biased | 1.404 | 1.406 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.398 | 1.426 | 0.028 |
| 53 | 10 | LDR-Unbiased | 1.41 | 1.414 | 0.004 |
| 55 | 10 | LDR-Unbiased | 1.371 | 1.412 | 0.041 |
| 56 | 10 | LDR-Unbiased | 1.395 | 1.42 | 0.025 |
| 57 | 10 | LDR-Unbiased | 1.381 | 1.408 | 0.027 |
| 76 | 30 | LDR-Biased | 1.42 | 1.43 | 0.01 |
| 78 | 30 | LDR-Biased | 1.437 | 1.447 | 0.01 |
| 79 | 30 | LDR-Biased | 1.385 | 1.461 | 0.076 |
| 80 | 30 | LDR-Biased | 1.4 | 1.445 | 0.045 |
| 81 | 30 | LDR-Biased | 1.404 | 1.437 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.398 | 1.457 | 0.059 |
| 83 | 30 | LDR-Unbiased | 1.41 | 1.445 | 0.035 |
| 84 | 30 | LDR-Unbiased | 1.381 | 1.437 | 0.056 |
| 85 | 30 | LDR-Unbiased | 1.371 | 1.445 | 0.074 |
| 86 | 30 | LDR-Unbiased | 1.395 | 1.447 | 0.052 |
| 87 | 100 | LDR-Biased | 1.385 | 1.532 | 0.147 |
| 88 | 100 | LDR-Biased | 1.416 | 1.4 | -0.016 |
| 90 | 100 | LDR-Biased | 1.437 | 1.398 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.4 | 1.517 | 0.117 |
| 93 | 100 | LDR-Unbiased | 1.404 | 1.521 | 0.117 |
| 94 | 100 | LDR-Unbiased | 1.42 | 1.542 | 0.122 |
| 95 | 100 | LDR-Unbiased | 1.418 | 1.521 | 0.103 |
| 96 | 100 | LDR-Unbiased | 1.381 | 1.527 | 0.146 |
| 106 | 50 | LDR-Biased | 1.42 | 1.466 | 0.046 |
| 108 | 50 | LDR-Biased | 1.437 | 1.474 | 0.037 |
| 109 | 50 | LDR-Biased | 1.385 | 1.488 | 0.103 |
| 110 | 50 | LDR-Biased | 1.4 | 1.47 | 0.07 |
| 111 | 50 | LDR-Biased | 1.404 | 1.459 | 0.055 |
| 112 | 50 | LDR-Unbiased | 1.398 | 1.478 | 0.08 |
| 113 | 50 | LDR-Unbiased | 1.41 | 1.472 | 0.062 |
| 115 | 50 | LDR-Unbiased | 1.371 | 1.47 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.395 | 1.472 | 0.077 |
| 117 | 50 | LDR-Unbiased | 1.381 | 1.461 | 0.08 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.397 | 1.3985 | 1.4 | 0.0021213 | 1.397 | 1.3985 | 1.4 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 1.371 | 1.4001 | 1.437 | 0.019267 | 1.402 | 1.4137 | 1.433 | 0.0097758 | -0.017 | 0.0136 | 0.048 | 0.020468 |
| 10 | 1.371 | 1.4001 | 1.437 | 0.019267 | 1.406 | 1.4181 | 1.437 | 0.0097804 | -0.013 | 0.018 | 0.052 | 0.021468 |
| 30 | 1.371 | 1.4001 | 1.437 | 0.019267 | 1.43 | 1.4451 | 1.461 | 0.0091948 | 0.01 | 0.045 | 0.076 | 0.023243 |
| 50 | 1.371 | 1.4001 | 1.437 | 0.019267 | 1.459 | 1.471 | 1.488 | 0.0082999 | 0.037 | 0.0709 | 0.103 | 0.021408 |
| 100 | 1.381 | 1.4076 | 1.437 | 0.018845 | 1.398 | 1.4948 | 1.542 | 0.059608 | -0.039 | 0.087125 | 0.147 | 0.072552 |

# Device Test: 6.134 IN_VPOR_RISE_EN3/EN3/7//0/0/0/@VIN_VALID



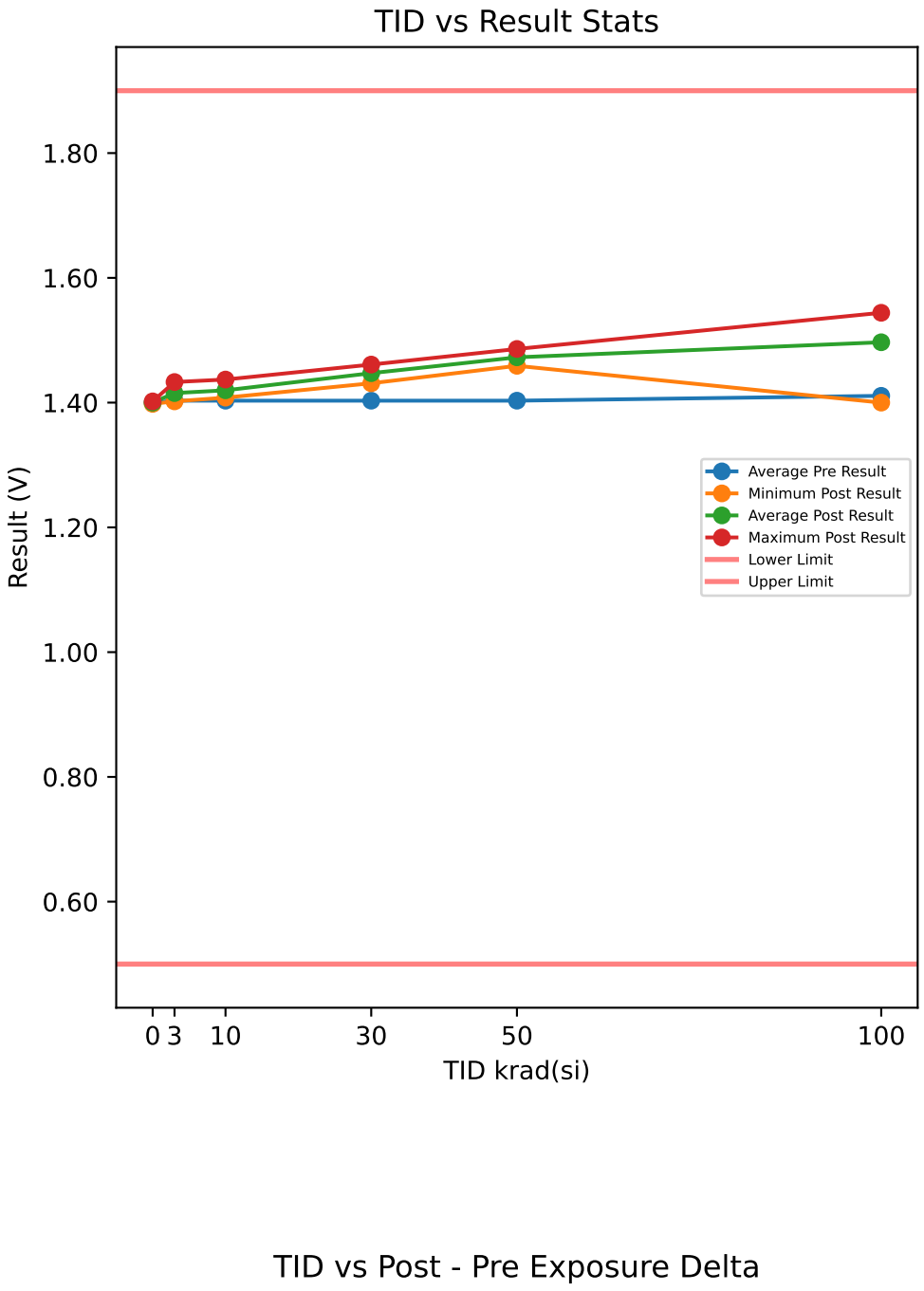

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

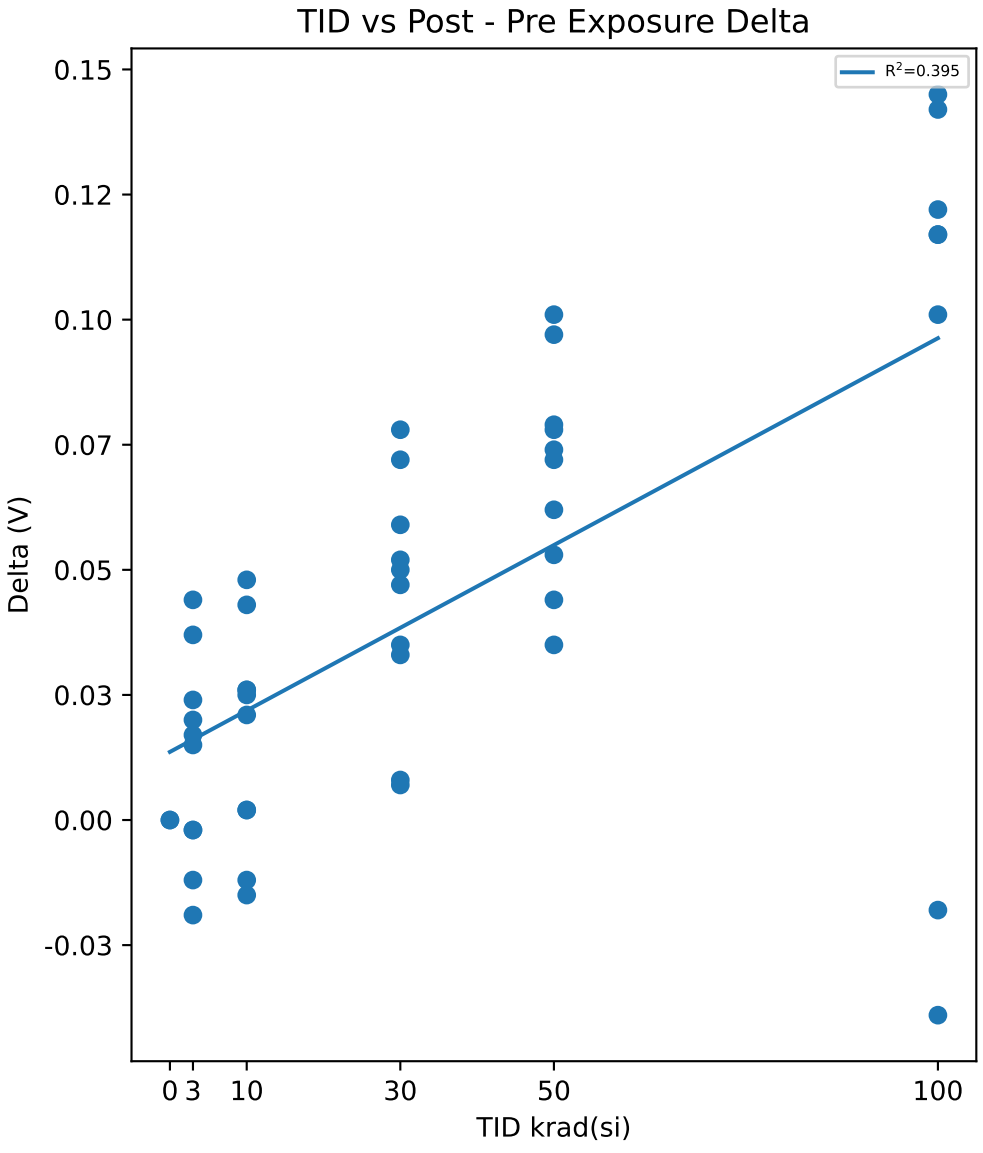
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.397 | 1.397 | 0 |
| 7 | 0 | Correlation | 1.4 | 1.4 | 0 |
| 16 | 3 | LDR-Biased | 1.422 | 1.412 | -0.01 |
| 18 | 3 | LDR-Biased | 1.439 | 1.422 | -0.017 |
| 19 | 3 | LDR-Biased | 1.389 | 1.433 | 0.044 |
| 20 | 3 | LDR-Biased | 1.4 | 1.424 | 0.024 |
| 21 | 3 | LDR-Biased | 1.406 | 1.404 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.4 | 1.418 | 0.018 |
| 23 | 3 | LDR-Unbiased | 1.412 | 1.412 | 0 |
| 25 | 3 | LDR-Unbiased | 1.373 | 1.406 | 0.033 |
| 26 | 3 | LDR-Unbiased | 1.397 | 1.414 | 0.017 |
| 27 | 3 | LDR-Unbiased | 1.385 | 1.402 | 0.017 |
| 46 | 10 | LDR-Biased | 1.422 | 1.412 | -0.01 |
| 48 | 10 | LDR-Biased | 1.439 | 1.426 | -0.013 |
| 49 | 10 | LDR-Biased | 1.389 | 1.437 | 0.048 |
| 50 | 10 | LDR-Biased | 1.4 | 1.426 | 0.026 |
| 51 | 10 | LDR-Biased | 1.406 | 1.408 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.4 | 1.424 | 0.024 |
| 53 | 10 | LDR-Unbiased | 1.412 | 1.416 | 0.004 |
| 55 | 10 | LDR-Unbiased | 1.373 | 1.412 | 0.039 |
| 56 | 10 | LDR-Unbiased | 1.397 | 1.422 | 0.025 |
| 57 | 10 | LDR-Unbiased | 1.385 | 1.408 | 0.023 |
| 76 | 30 | LDR-Biased | 1.422 | 1.431 | 0.009 |
| 78 | 30 | LDR-Biased | 1.439 | 1.449 | 0.01 |
| 79 | 30 | LDR-Biased | 1.389 | 1.461 | 0.072 |
| 80 | 30 | LDR-Biased | 1.4 | 1.447 | 0.047 |
| 81 | 30 | LDR-Biased | 1.406 | 1.439 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.4 | 1.457 | 0.057 |
| 83 | 30 | LDR-Unbiased | 1.412 | 1.449 | 0.037 |
| 84 | 30 | LDR-Unbiased | 1.385 | 1.437 | 0.052 |
| 85 | 30 | LDR-Unbiased | 1.373 | 1.447 | 0.074 |
| 86 | 30 | LDR-Unbiased | 1.397 | 1.449 | 0.052 |
| 87 | 100 | LDR-Biased | 1.387 | 1.532 | 0.145 |
| 88 | 100 | LDR-Biased | 1.418 | 1.4 | -0.018 |
| 90 | 100 | LDR-Biased | 1.439 | 1.4 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.402 | 1.519 | 0.117 |
| 93 | 100 | LDR-Unbiased | 1.404 | 1.523 | 0.119 |
| 94 | 100 | LDR-Unbiased | 1.422 | 1.544 | 0.122 |
| 95 | 100 | LDR-Unbiased | 1.42 | 1.525 | 0.105 |
| 96 | 100 | LDR-Unbiased | 1.385 | 1.529 | 0.144 |
| 106 | 50 | LDR-Biased | 1.422 | 1.468 | 0.046 |
| 108 | 50 | LDR-Biased | 1.439 | 1.476 | 0.037 |
| 109 | 50 | LDR-Biased | 1.389 | 1.488 | 0.099 |
| 110 | 50 | LDR-Biased | 1.4 | 1.472 | 0.072 |
| 111 | 50 | LDR-Biased | 1.406 | 1.459 | 0.053 |
| 112 | 50 | LDR-Unbiased | 1.4 | 1.476 | 0.076 |
| 113 | 50 | LDR-Unbiased | 1.412 | 1.476 | 0.064 |
| 115 | 50 | LDR-Unbiased | 1.373 | 1.47 | 0.097 |
| 116 | 50 | LDR-Unbiased | 1.397 | 1.474 | 0.077 |
| 117 | 50 | LDR-Unbiased | 1.385 | 1.461 | 0.076 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.397 | 1.3985 | 1.4 | 0.0021213 | 1.397 | 1.3985 | 1.4 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 1.373 | 1.4023 | 1.439 | 0.018904 | 1.402 | 1.4147 | 1.433 | 0.0097303 | -0.017 | 0.0124 | 0.044 | 0.019317 |
| 10 | 1.373 | 1.4023 | 1.439 | 0.018904 | 1.408 | 1.4191 | 1.437 | 0.0094569 | -0.013 | 0.0168 | 0.048 | 0.020269 |
| 30 | 1.373 | 1.4023 | 1.439 | 0.018904 | 1.431 | 1.4466 | 1.461 | 0.0089839 | 0.009 | 0.0443 | 0.074 | 0.02246 |
| 50 | 1.373 | 1.4023 | 1.439 | 0.018904 | 1.459 | 1.472 | 1.488 | 0.0082865 | 0.037 | 0.0697 | 0.099 | 0.020232 |
| 100 | 1.385 | 1.4096 | 1.439 | 0.018524 | 1.4 | 1.4965 | 1.544 | 0.060021 | -0.039 | 0.086875 | 0.145 | 0.07269 |

# Device Test: 6.135 IN_VPOR_RISE_EN4/EN4/7//0/0/0/@VIN_VALID



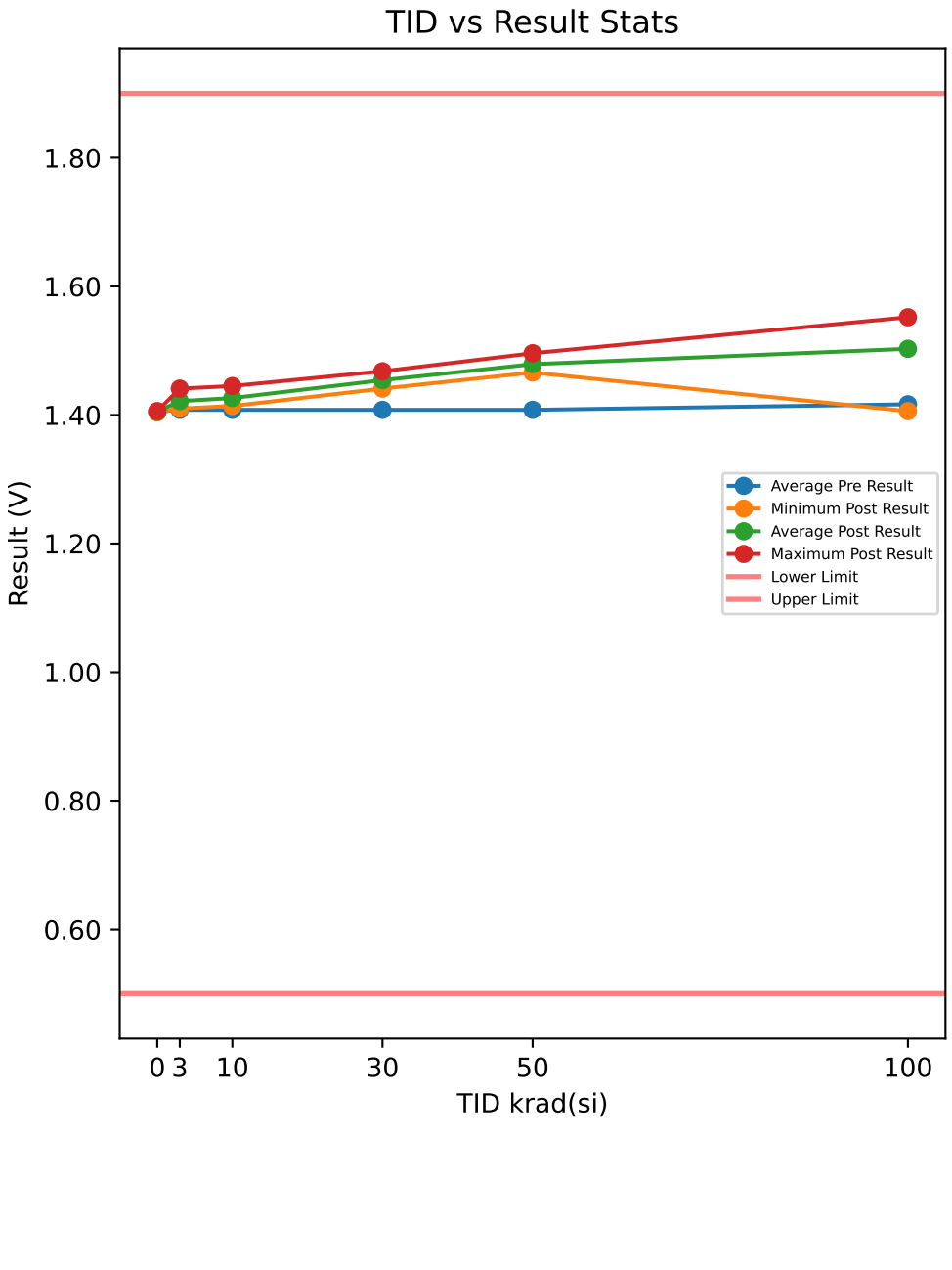

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

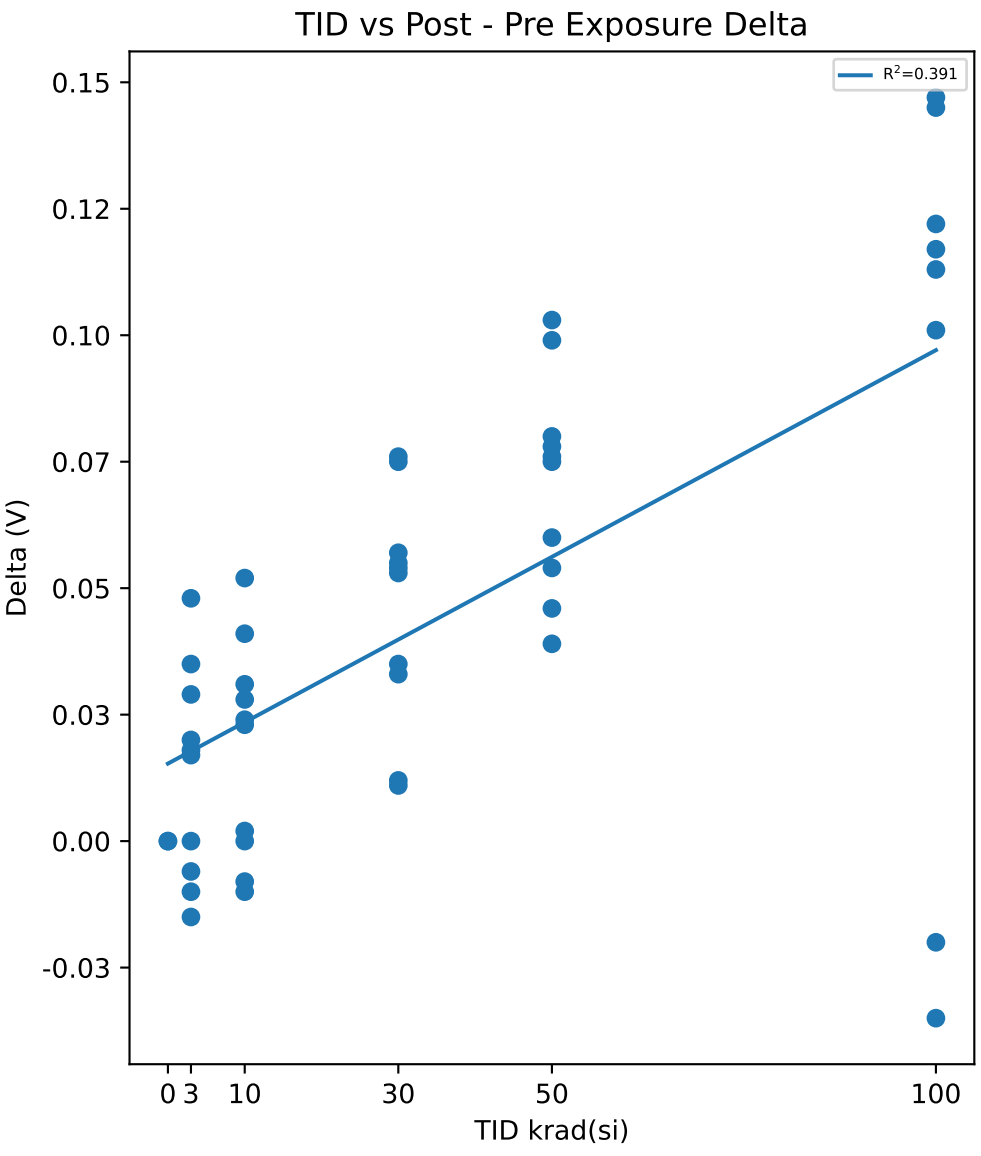
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.398 | 1.398 | 0 |
| 7 | 0 | Correlation | 1.402 | 1.402 | 0 |
| 16 | 3 | LDR-Biased | 1.424 | 1.412 | -0.012 |
| 18 | 3 | LDR-Biased | 1.441 | 1.422 | -0.019 |
| 19 | 3 | LDR-Biased | 1.389 | 1.433 | 0.044 |
| 20 | 3 | LDR-Biased | 1.402 | 1.426 | 0.024 |
| 21 | 3 | LDR-Biased | 1.406 | 1.404 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.4 | 1.42 | 0.02 |
| 23 | 3 | LDR-Unbiased | 1.414 | 1.412 | -0.002 |
| 25 | 3 | LDR-Unbiased | 1.371 | 1.408 | 0.037 |
| 26 | 3 | LDR-Unbiased | 1.397 | 1.414 | 0.017 |
| 27 | 3 | LDR-Unbiased | 1.387 | 1.402 | 0.015 |
| 46 | 10 | LDR-Biased | 1.424 | 1.412 | -0.012 |
| 48 | 10 | LDR-Biased | 1.441 | 1.426 | -0.015 |
| 49 | 10 | LDR-Biased | 1.389 | 1.437 | 0.048 |
| 50 | 10 | LDR-Biased | 1.402 | 1.428 | 0.026 |
| 51 | 10 | LDR-Biased | 1.406 | 1.408 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.4 | 1.426 | 0.026 |
| 53 | 10 | LDR-Unbiased | 1.414 | 1.416 | 0.002 |
| 55 | 10 | LDR-Unbiased | 1.371 | 1.414 | 0.043 |
| 56 | 10 | LDR-Unbiased | 1.397 | 1.422 | 0.025 |
| 57 | 10 | LDR-Unbiased | 1.387 | 1.408 | 0.021 |
| 76 | 30 | LDR-Biased | 1.424 | 1.431 | 0.007 |
| 78 | 30 | LDR-Biased | 1.441 | 1.449 | 0.008 |
| 79 | 30 | LDR-Biased | 1.389 | 1.461 | 0.072 |
| 80 | 30 | LDR-Biased | 1.402 | 1.449 | 0.047 |
| 81 | 30 | LDR-Biased | 1.406 | 1.439 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.4 | 1.459 | 0.059 |
| 83 | 30 | LDR-Unbiased | 1.414 | 1.449 | 0.035 |
| 84 | 30 | LDR-Unbiased | 1.387 | 1.437 | 0.05 |
| 85 | 30 | LDR-Unbiased | 1.371 | 1.449 | 0.078 |
| 86 | 30 | LDR-Unbiased | 1.397 | 1.449 | 0.052 |
| 87 | 100 | LDR-Biased | 1.389 | 1.534 | 0.145 |
| 88 | 100 | LDR-Biased | 1.42 | 1.402 | -0.018 |
| 90 | 100 | LDR-Biased | 1.439 | 1.4 | -0.039 |
| 91 | 100 | LDR-Unbiased | 1.402 | 1.519 | 0.117 |
| 93 | 100 | LDR-Unbiased | 1.406 | 1.523 | 0.117 |
| 94 | 100 | LDR-Unbiased | 1.422 | 1.544 | 0.122 |
| 95 | 100 | LDR-Unbiased | 1.422 | 1.523 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.387 | 1.529 | 0.142 |
| 106 | 50 | LDR-Biased | 1.424 | 1.468 | 0.044 |
| 108 | 50 | LDR-Biased | 1.441 | 1.476 | 0.035 |
| 109 | 50 | LDR-Biased | 1.389 | 1.486 | 0.097 |
| 110 | 50 | LDR-Biased | 1.402 | 1.474 | 0.072 |
| 111 | 50 | LDR-Biased | 1.406 | 1.459 | 0.053 |
| 112 | 50 | LDR-Unbiased | 1.4 | 1.478 | 0.078 |
| 113 | 50 | LDR-Unbiased | 1.414 | 1.476 | 0.062 |
| 115 | 50 | LDR-Unbiased | 1.371 | 1.472 | 0.101 |
| 116 | 50 | LDR-Unbiased | 1.397 | 1.476 | 0.079 |
| 117 | 50 | LDR-Unbiased | 1.387 | 1.461 | 0.074 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.398 | 1.4 | 1.402 | 0.0028284 | 1.398 | 1.4 | 1.402 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 1.371 | 1.4031 | 1.441 | 0.019824 | 1.402 | 1.4153 | 1.433 | 0.0098663 | -0.019 | 0.0122 | 0.044 | 0.020601 |
| 10 | 1.371 | 1.4031 | 1.441 | 0.019824 | 1.408 | 1.4197 | 1.437 | 0.0096154 | -0.015 | 0.0166 | 0.048 | 0.021583 |
| 30 | 1.371 | 1.4031 | 1.441 | 0.019824 | 1.431 | 1.4472 | 1.461 | 0.0093071 | 0.007 | 0.0441 | 0.078 | 0.0239 |
| 50 | 1.371 | 1.4031 | 1.441 | 0.019824 | 1.459 | 1.4726 | 1.486 | 0.0080719 | 0.035 | 0.0695 | 0.101 | 0.021361 |
| 100 | 1.387 | 1.4109 | 1.439 | 0.018019 | 1.4 | 1.4968 | 1.544 | 0.059608 | -0.039 | 0.085875 | 0.145 | 0.072211 |

# Device Test: 6.136 IN_VPOR_RISE_SEQ/SEQ_DONE/7//0/0/0/@VIN_VALID



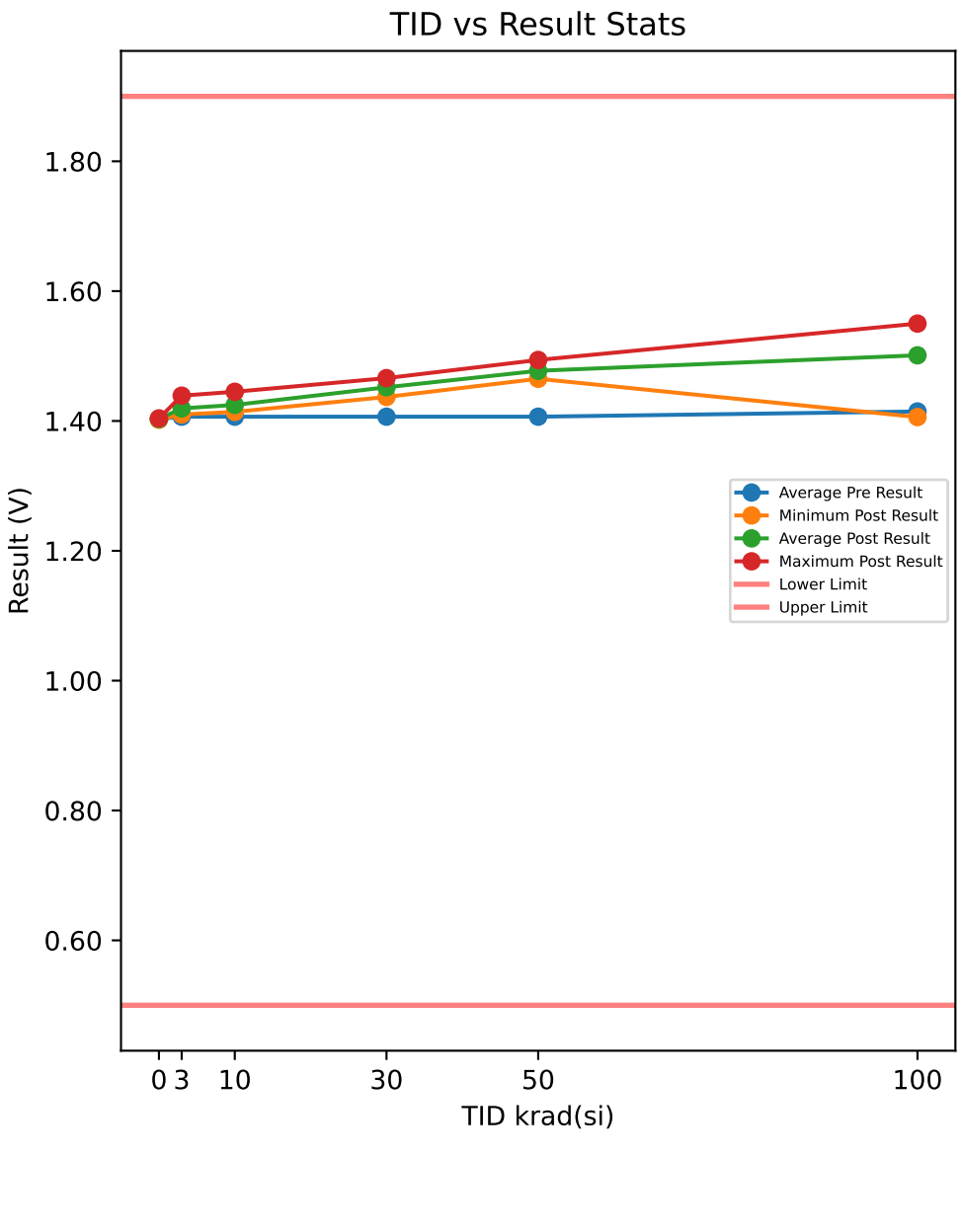

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

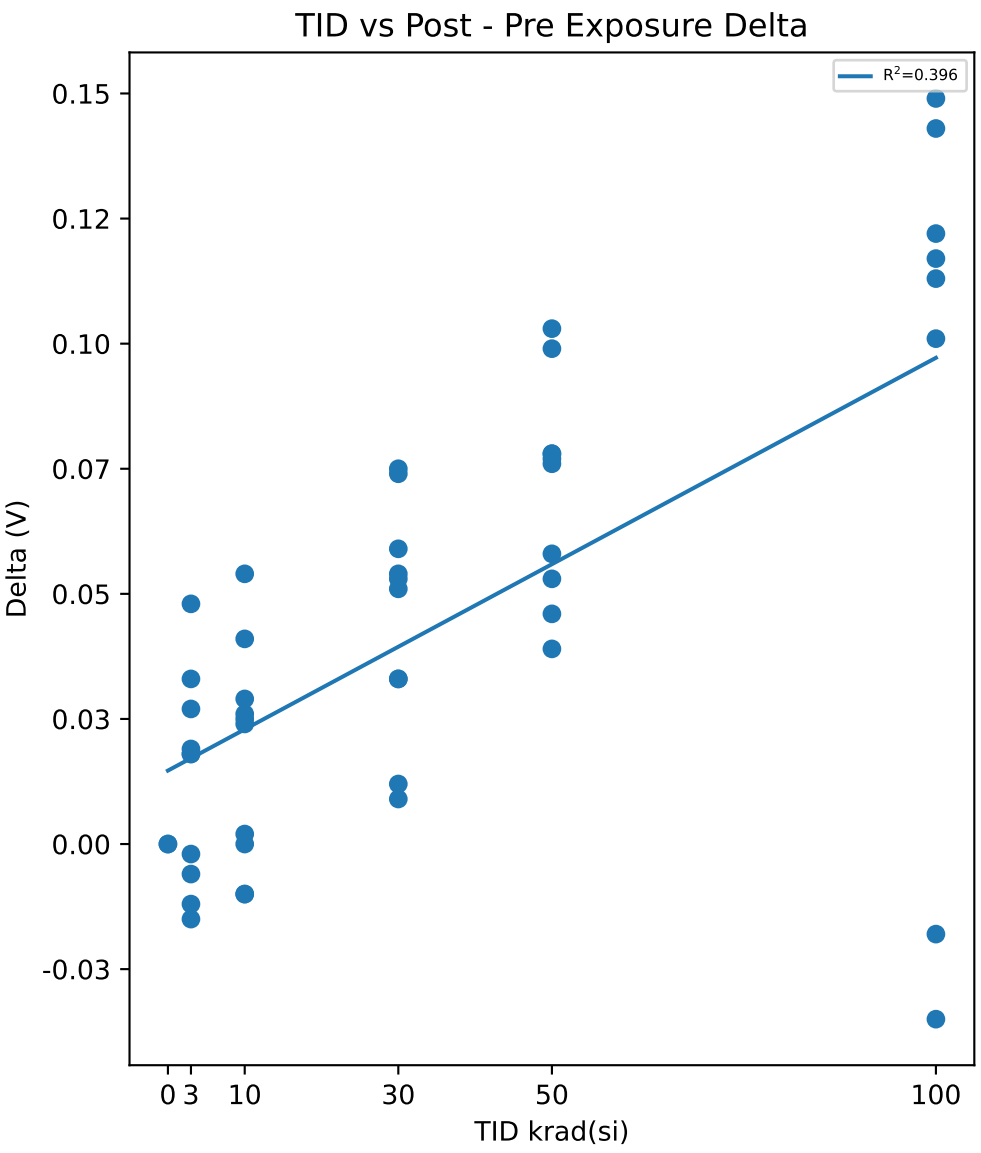
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.404 | 1.404 | 0 |
| 7 | 0 | Correlation | 1.406 | 1.406 | 0 |
| 16 | 3 | LDR-Biased | 1.43 | 1.42 | -0.01 |
| 18 | 3 | LDR-Biased | 1.443 | 1.428 | -0.015 |
| 19 | 3 | LDR-Biased | 1.393 | 1.441 | 0.048 |
| 20 | 3 | LDR-Biased | 1.404 | 1.433 | 0.029 |
| 21 | 3 | LDR-Biased | 1.412 | 1.412 | 0 |
| 22 | 3 | LDR-Unbiased | 1.406 | 1.424 | 0.018 |
| 23 | 3 | LDR-Unbiased | 1.42 | 1.414 | -0.006 |
| 25 | 3 | LDR-Unbiased | 1.379 | 1.414 | 0.035 |
| 26 | 3 | LDR-Unbiased | 1.4 | 1.42 | 0.02 |
| 27 | 3 | LDR-Unbiased | 1.393 | 1.41 | 0.017 |
| 46 | 10 | LDR-Biased | 1.43 | 1.422 | -0.008 |
| 48 | 10 | LDR-Biased | 1.443 | 1.433 | -0.01 |
| 49 | 10 | LDR-Biased | 1.393 | 1.445 | 0.052 |
| 50 | 10 | LDR-Biased | 1.404 | 1.435 | 0.031 |
| 51 | 10 | LDR-Biased | 1.412 | 1.414 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.406 | 1.43 | 0.024 |
| 53 | 10 | LDR-Unbiased | 1.42 | 1.42 | 0 |
| 55 | 10 | LDR-Unbiased | 1.379 | 1.42 | 0.041 |
| 56 | 10 | LDR-Unbiased | 1.4 | 1.428 | 0.028 |
| 57 | 10 | LDR-Unbiased | 1.393 | 1.416 | 0.023 |
| 76 | 30 | LDR-Biased | 1.43 | 1.441 | 0.011 |
| 78 | 30 | LDR-Biased | 1.443 | 1.455 | 0.012 |
| 79 | 30 | LDR-Biased | 1.393 | 1.468 | 0.075 |
| 80 | 30 | LDR-Biased | 1.404 | 1.457 | 0.053 |
| 81 | 30 | LDR-Biased | 1.412 | 1.447 | 0.035 |
| 82 | 30 | LDR-Unbiased | 1.406 | 1.463 | 0.057 |
| 83 | 30 | LDR-Unbiased | 1.42 | 1.453 | 0.033 |
| 84 | 30 | LDR-Unbiased | 1.393 | 1.447 | 0.054 |
| 85 | 30 | LDR-Unbiased | 1.379 | 1.455 | 0.076 |
| 86 | 30 | LDR-Unbiased | 1.4 | 1.455 | 0.055 |
| 87 | 100 | LDR-Biased | 1.393 | 1.538 | 0.145 |
| 88 | 100 | LDR-Biased | 1.428 | 1.408 | -0.02 |
| 90 | 100 | LDR-Biased | 1.441 | 1.406 | -0.035 |
| 91 | 100 | LDR-Unbiased | 1.408 | 1.525 | 0.117 |
| 93 | 100 | LDR-Unbiased | 1.412 | 1.525 | 0.113 |
| 94 | 100 | LDR-Unbiased | 1.43 | 1.552 | 0.122 |
| 95 | 100 | LDR-Unbiased | 1.428 | 1.529 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.393 | 1.54 | 0.147 |
| 106 | 50 | LDR-Biased | 1.43 | 1.476 | 0.046 |
| 108 | 50 | LDR-Biased | 1.443 | 1.482 | 0.039 |
| 109 | 50 | LDR-Biased | 1.393 | 1.496 | 0.103 |
| 110 | 50 | LDR-Biased | 1.404 | 1.482 | 0.078 |
| 111 | 50 | LDR-Biased | 1.412 | 1.466 | 0.054 |
| 112 | 50 | LDR-Unbiased | 1.406 | 1.482 | 0.076 |
| 113 | 50 | LDR-Unbiased | 1.42 | 1.48 | 0.06 |
| 115 | 50 | LDR-Unbiased | 1.379 | 1.478 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.4 | 1.48 | 0.08 |
| 117 | 50 | LDR-Unbiased | 1.393 | 1.468 | 0.075 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.404 | 1.405 | 1.406 | 0.0014142 | 1.404 | 1.405 | 1.406 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 1.379 | 1.408 | 1.443 | 0.018985 | 1.41 | 1.4216 | 1.441 | 0.010002 | -0.015 | 0.0136 | 0.048 | 0.020802 |
| 10 | 1.379 | 1.408 | 1.443 | 0.018985 | 1.414 | 1.4263 | 1.445 | 0.009673 | -0.01 | 0.0183 | 0.052 | 0.021224 |
| 30 | 1.379 | 1.408 | 1.443 | 0.018985 | 1.441 | 1.4541 | 1.468 | 0.0078662 | 0.011 | 0.0461 | 0.076 | 0.022917 |
| 50 | 1.379 | 1.408 | 1.443 | 0.018985 | 1.466 | 1.479 | 1.496 | 0.0082865 | 0.039 | 0.071 | 0.103 | 0.021182 |
| 100 | 1.393 | 1.4166 | 1.441 | 0.017904 | 1.406 | 1.5029 | 1.552 | 0.059848 | -0.035 | 0.08625 | 0.147 | 0.072001 |

# Device Test: 6.137 IN_VPOR_RISE_PWRGD/PWRGD/7//0/0/0/@VIN_VALID



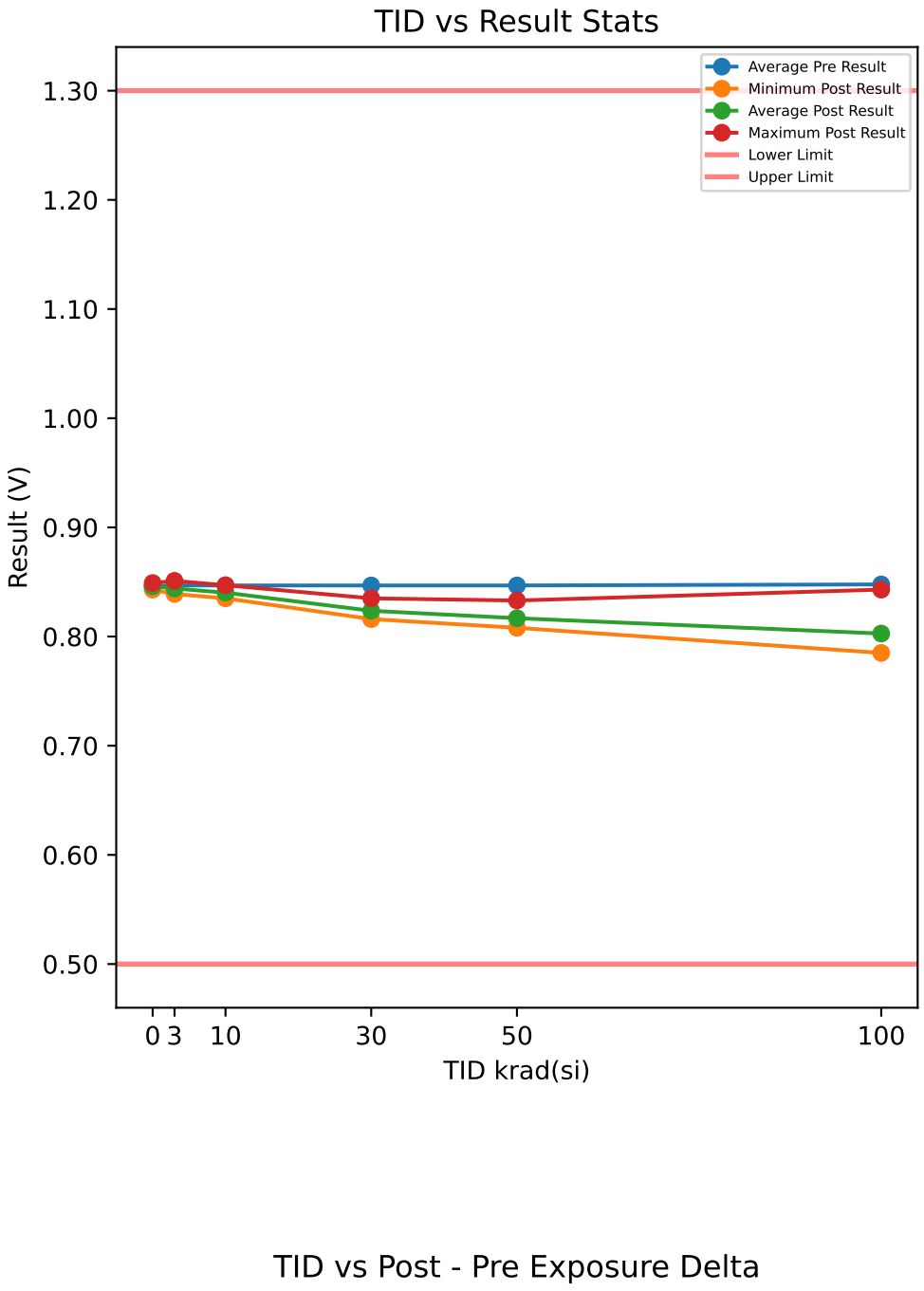

Test Results (Lower Limit = 0.5, Upper Limit = 1.9 (V))

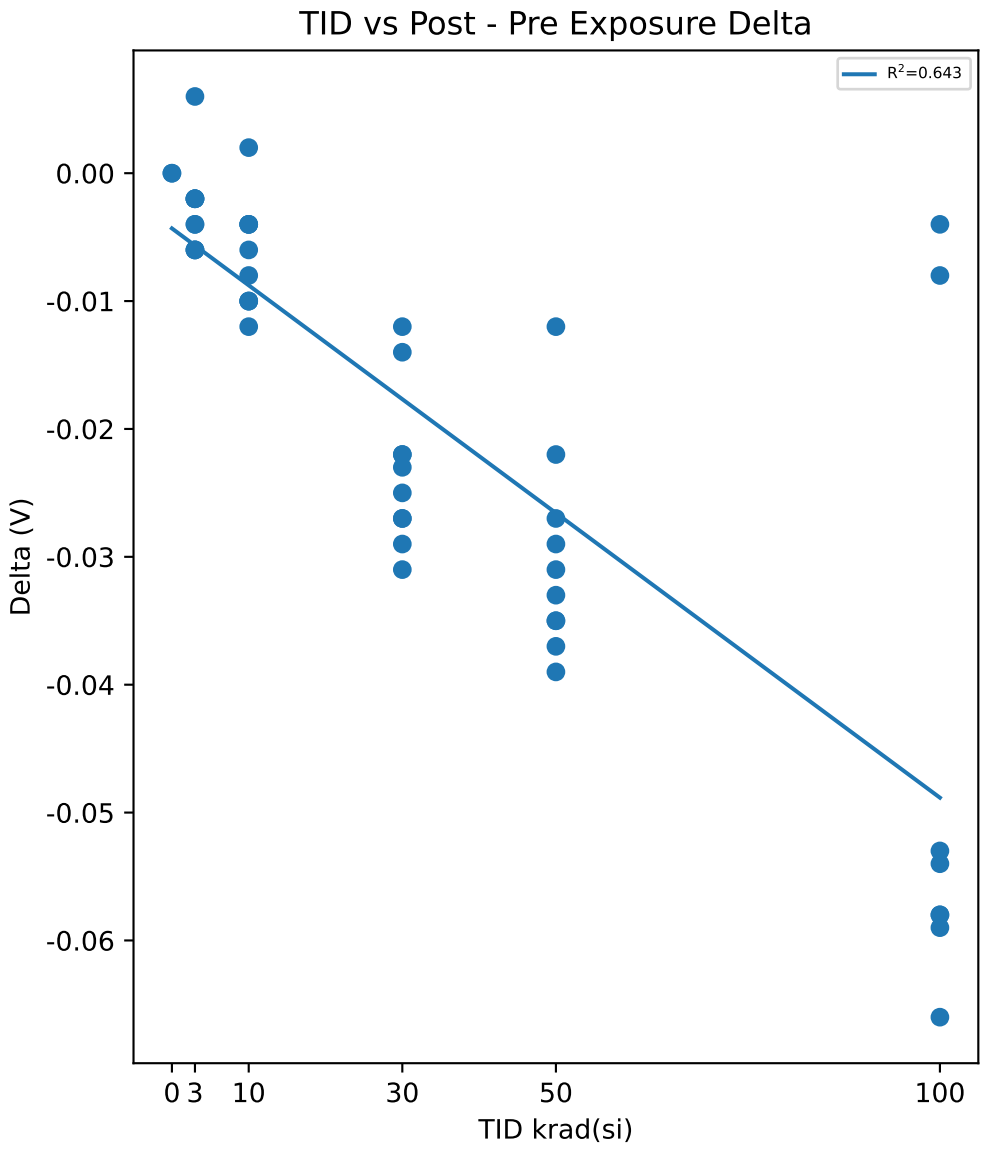
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.402 | 1.402 | 0 |
| 7 | 0 | Correlation | 1.404 | 1.404 | 0 |
| 16 | 3 | LDR-Biased | 1.428 | 1.416 | -0.012 |
| 18 | 3 | LDR-Biased | 1.441 | 1.426 | -0.015 |
| 19 | 3 | LDR-Biased | 1.391 | 1.439 | 0.048 |
| 20 | 3 | LDR-Biased | 1.404 | 1.431 | 0.027 |
| 21 | 3 | LDR-Biased | 1.412 | 1.41 | -0.002 |
| 22 | 3 | LDR-Unbiased | 1.404 | 1.422 | 0.018 |
| 23 | 3 | LDR-Unbiased | 1.418 | 1.412 | -0.006 |
| 25 | 3 | LDR-Unbiased | 1.377 | 1.41 | 0.033 |
| 26 | 3 | LDR-Unbiased | 1.4 | 1.418 | 0.018 |
| 27 | 3 | LDR-Unbiased | 1.391 | 1.41 | 0.019 |
| 46 | 10 | LDR-Biased | 1.428 | 1.418 | -0.01 |
| 48 | 10 | LDR-Biased | 1.441 | 1.431 | -0.01 |
| 49 | 10 | LDR-Biased | 1.391 | 1.445 | 0.054 |
| 50 | 10 | LDR-Biased | 1.404 | 1.433 | 0.029 |
| 51 | 10 | LDR-Biased | 1.412 | 1.414 | 0.002 |
| 52 | 10 | LDR-Unbiased | 1.404 | 1.428 | 0.024 |
| 53 | 10 | LDR-Unbiased | 1.418 | 1.418 | 0 |
| 55 | 10 | LDR-Unbiased | 1.377 | 1.418 | 0.041 |
| 56 | 10 | LDR-Unbiased | 1.4 | 1.426 | 0.026 |
| 57 | 10 | LDR-Unbiased | 1.391 | 1.416 | 0.025 |
| 76 | 30 | LDR-Biased | 1.428 | 1.437 | 0.009 |
| 78 | 30 | LDR-Biased | 1.441 | 1.453 | 0.012 |
| 79 | 30 | LDR-Biased | 1.391 | 1.466 | 0.075 |
| 80 | 30 | LDR-Biased | 1.404 | 1.455 | 0.051 |
| 81 | 30 | LDR-Biased | 1.412 | 1.445 | 0.033 |
| 82 | 30 | LDR-Unbiased | 1.404 | 1.463 | 0.059 |
| 83 | 30 | LDR-Unbiased | 1.418 | 1.451 | 0.033 |
| 84 | 30 | LDR-Unbiased | 1.391 | 1.445 | 0.054 |
| 85 | 30 | LDR-Unbiased | 1.377 | 1.451 | 0.074 |
| 86 | 30 | LDR-Unbiased | 1.4 | 1.453 | 0.053 |
| 87 | 100 | LDR-Biased | 1.393 | 1.536 | 0.143 |
| 88 | 100 | LDR-Biased | 1.424 | 1.406 | -0.018 |
| 90 | 100 | LDR-Biased | 1.441 | 1.406 | -0.035 |
| 91 | 100 | LDR-Unbiased | 1.406 | 1.523 | 0.117 |
| 93 | 100 | LDR-Unbiased | 1.412 | 1.525 | 0.113 |
| 94 | 100 | LDR-Unbiased | 1.428 | 1.55 | 0.122 |
| 95 | 100 | LDR-Unbiased | 1.424 | 1.525 | 0.101 |
| 96 | 100 | LDR-Unbiased | 1.389 | 1.538 | 0.149 |
| 106 | 50 | LDR-Biased | 1.428 | 1.474 | 0.046 |
| 108 | 50 | LDR-Biased | 1.441 | 1.48 | 0.039 |
| 109 | 50 | LDR-Biased | 1.391 | 1.494 | 0.103 |
| 110 | 50 | LDR-Biased | 1.404 | 1.48 | 0.076 |
| 111 | 50 | LDR-Biased | 1.412 | 1.465 | 0.053 |
| 112 | 50 | LDR-Unbiased | 1.404 | 1.482 | 0.078 |
| 113 | 50 | LDR-Unbiased | 1.418 | 1.476 | 0.058 |
| 115 | 50 | LDR-Unbiased | 1.377 | 1.476 | 0.099 |
| 116 | 50 | LDR-Unbiased | 1.4 | 1.478 | 0.078 |
| 117 | 50 | LDR-Unbiased | 1.391 | 1.468 | 0.077 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.402 | 1.403 | 1.404 | 0.0014142 | 1.402 | 1.403 | 1.404 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 1.377 | 1.4066 | 1.441 | 0.018916 | 1.41 | 1.4194 | 1.439 | 0.010013 | -0.015 | 0.0128 | 0.048 | 0.020821 |
| 10 | 1.377 | 1.4066 | 1.441 | 0.018916 | 1.414 | 1.4247 | 1.445 | 0.0097644 | -0.01 | 0.0181 | 0.054 | 0.021713 |
| 30 | 1.377 | 1.4066 | 1.441 | 0.018916 | 1.437 | 1.4519 | 1.466 | 0.0085173 | 0.009 | 0.0453 | 0.075 | 0.02307 |
| 50 | 1.377 | 1.4066 | 1.441 | 0.018916 | 1.465 | 1.4773 | 1.494 | 0.0079449 | 0.039 | 0.0707 | 0.103 | 0.021365 |
| 100 | 1.389 | 1.4146 | 1.441 | 0.017952 | 1.406 | 1.5011 | 1.55 | 0.059379 | -0.035 | 0.0865 | 0.149 | 0.071598 |

# Device Test: 6.138 PU1_VPOR_RISE_EN1/EN1//0/0/0/0.1/@VPULLUP_VALID



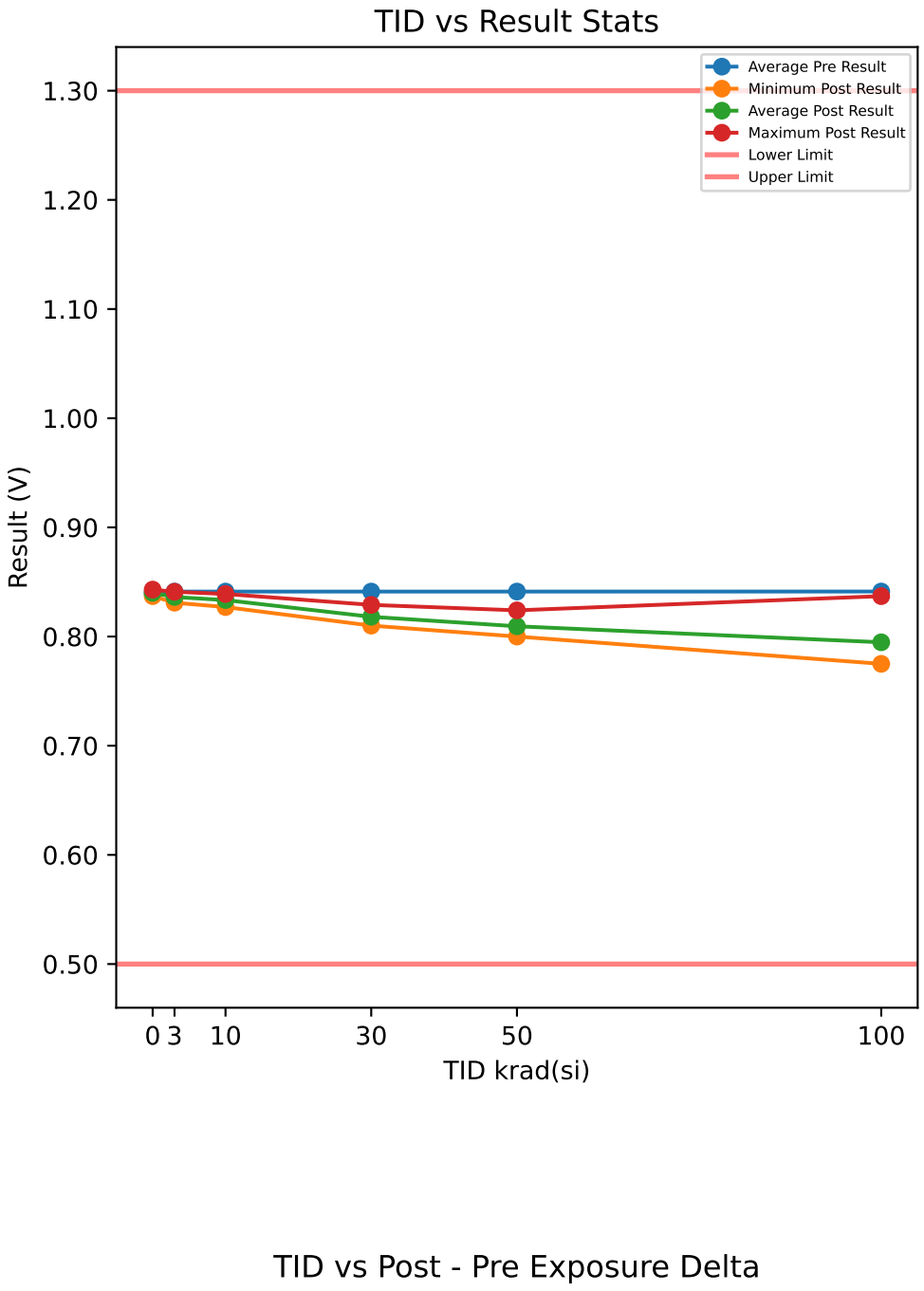

Test Results (Lower Limit = 0.5, Upper Limit = 1.3 (V))

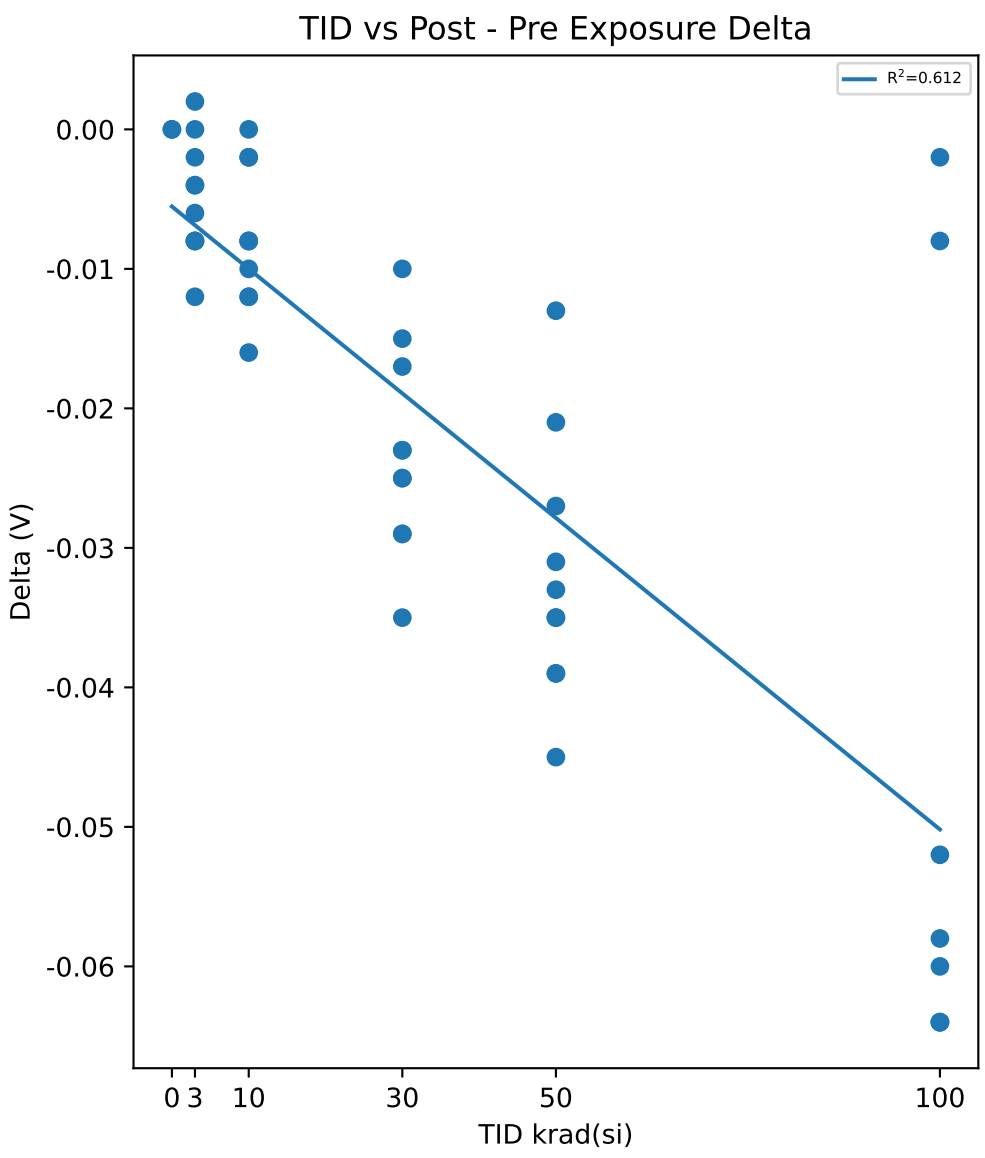
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.843 | 0.843 | 0 |
| 7 | 0 | Correlation | 0.849 | 0.849 | 0 |
| 16 | 3 | LDR-Biased | 0.851 | 0.849 | -0.002 |
| 18 | 3 | LDR-Biased | 0.847 | 0.845 | -0.002 |
| 19 | 3 | LDR-Biased | 0.847 | 0.845 | -0.002 |
| 20 | 3 | LDR-Biased | 0.845 | 0.851 | 0.006 |
| 21 | 3 | LDR-Biased | 0.847 | 0.843 | -0.004 |
| 22 | 3 | LDR-Unbiased | 0.851 | 0.845 | -0.006 |
| 23 | 3 | LDR-Unbiased | 0.845 | 0.839 | -0.006 |
| 25 | 3 | LDR-Unbiased | 0.843 | 0.841 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.847 | 0.841 | -0.006 |
| 27 | 3 | LDR-Unbiased | 0.845 | 0.841 | -0.004 |
| 46 | 10 | LDR-Biased | 0.851 | 0.847 | -0.004 |
| 48 | 10 | LDR-Biased | 0.847 | 0.843 | -0.004 |
| 49 | 10 | LDR-Biased | 0.847 | 0.843 | -0.004 |
| 50 | 10 | LDR-Biased | 0.845 | 0.847 | 0.002 |
| 51 | 10 | LDR-Biased | 0.847 | 0.841 | -0.006 |
| 52 | 10 | LDR-Unbiased | 0.851 | 0.841 | -0.01 |
| 53 | 10 | LDR-Unbiased | 0.845 | 0.835 | -0.01 |
| 55 | 10 | LDR-Unbiased | 0.843 | 0.835 | -0.008 |
| 56 | 10 | LDR-Unbiased | 0.847 | 0.835 | -0.012 |
| 57 | 10 | LDR-Unbiased | 0.845 | 0.835 | -0.01 |
| 76 | 30 | LDR-Biased | 0.851 | 0.829 | -0.022 |
| 78 | 30 | LDR-Biased | 0.847 | 0.835 | -0.012 |
| 79 | 30 | LDR-Biased | 0.847 | 0.825 | -0.022 |
| 80 | 30 | LDR-Biased | 0.845 | 0.831 | -0.014 |
| 81 | 30 | LDR-Biased | 0.847 | 0.824 | -0.023 |
| 82 | 30 | LDR-Unbiased | 0.851 | 0.822 | -0.029 |
| 83 | 30 | LDR-Unbiased | 0.845 | 0.818 | -0.027 |
| 84 | 30 | LDR-Unbiased | 0.845 | 0.818 | -0.027 |
| 85 | 30 | LDR-Unbiased | 0.843 | 0.818 | -0.025 |
| 86 | 30 | LDR-Unbiased | 0.847 | 0.816 | -0.031 |
| 87 | 100 | LDR-Biased | 0.845 | 0.787 | -0.058 |
| 88 | 100 | LDR-Biased | 0.851 | 0.843 | -0.008 |
| 90 | 100 | LDR-Biased | 0.847 | 0.843 | -0.004 |
| 91 | 100 | LDR-Unbiased | 0.853 | 0.787 | -0.066 |
| 93 | 100 | LDR-Unbiased | 0.847 | 0.794 | -0.053 |
| 94 | 100 | LDR-Unbiased | 0.851 | 0.792 | -0.059 |
| 95 | 100 | LDR-Unbiased | 0.843 | 0.785 | -0.058 |
| 96 | 100 | LDR-Unbiased | 0.845 | 0.791 | -0.054 |
| 106 | 50 | LDR-Biased | 0.851 | 0.824 | -0.027 |
| 108 | 50 | LDR-Biased | 0.847 | 0.825 | -0.022 |
| 109 | 50 | LDR-Biased | 0.847 | 0.818 | -0.029 |
| 110 | 50 | LDR-Biased | 0.845 | 0.833 | -0.012 |
| 111 | 50 | LDR-Biased | 0.847 | 0.816 | -0.031 |
| 112 | 50 | LDR-Unbiased | 0.851 | 0.814 | -0.037 |
| 113 | 50 | LDR-Unbiased | 0.845 | 0.81 | -0.035 |
| 115 | 50 | LDR-Unbiased | 0.843 | 0.81 | -0.033 |
| 116 | 50 | LDR-Unbiased | 0.847 | 0.808 | -0.039 |
| 117 | 50 | LDR-Unbiased | 0.845 | 0.81 | -0.035 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.843 | 0.846 | 0.849 | 0.0042426 | 0.843 | 0.846 | 0.849 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 0.843 | 0.8468 | 0.851 | 0.0025734 | 0.839 | 0.844 | 0.851 | 0.0038006 | -0.006 | -0.0028 | 0.006 | 0.0035528 |
| 10 | 0.843 | 0.8468 | 0.851 | 0.0025734 | 0.835 | 0.8402 | 0.847 | 0.0049171 | -0.012 | -0.0066 | 0.002 | 0.0042216 |
| 30 | 0.843 | 0.8468 | 0.851 | 0.0025734 | 0.816 | 0.8236 | 0.835 | 0.0064153 | -0.031 | -0.0232 | -0.012 | 0.0061427 |
| 50 | 0.843 | 0.8468 | 0.851 | 0.0025734 | 0.808 | 0.8168 | 0.833 | 0.0082165 | -0.039 | -0.03 | -0.012 | 0.0080829 |
| 100 | 0.843 | 0.84775 | 0.853 | 0.0035355 | 0.785 | 0.80275 | 0.843 | 0.025019 | -0.066 | -0.045 | -0.004 | 0.024407 |

# Device Test: 6.139 PU1_VPOR_RISE_EN2/EN2//0/0/0/0.1/@VPULLUP_VALID



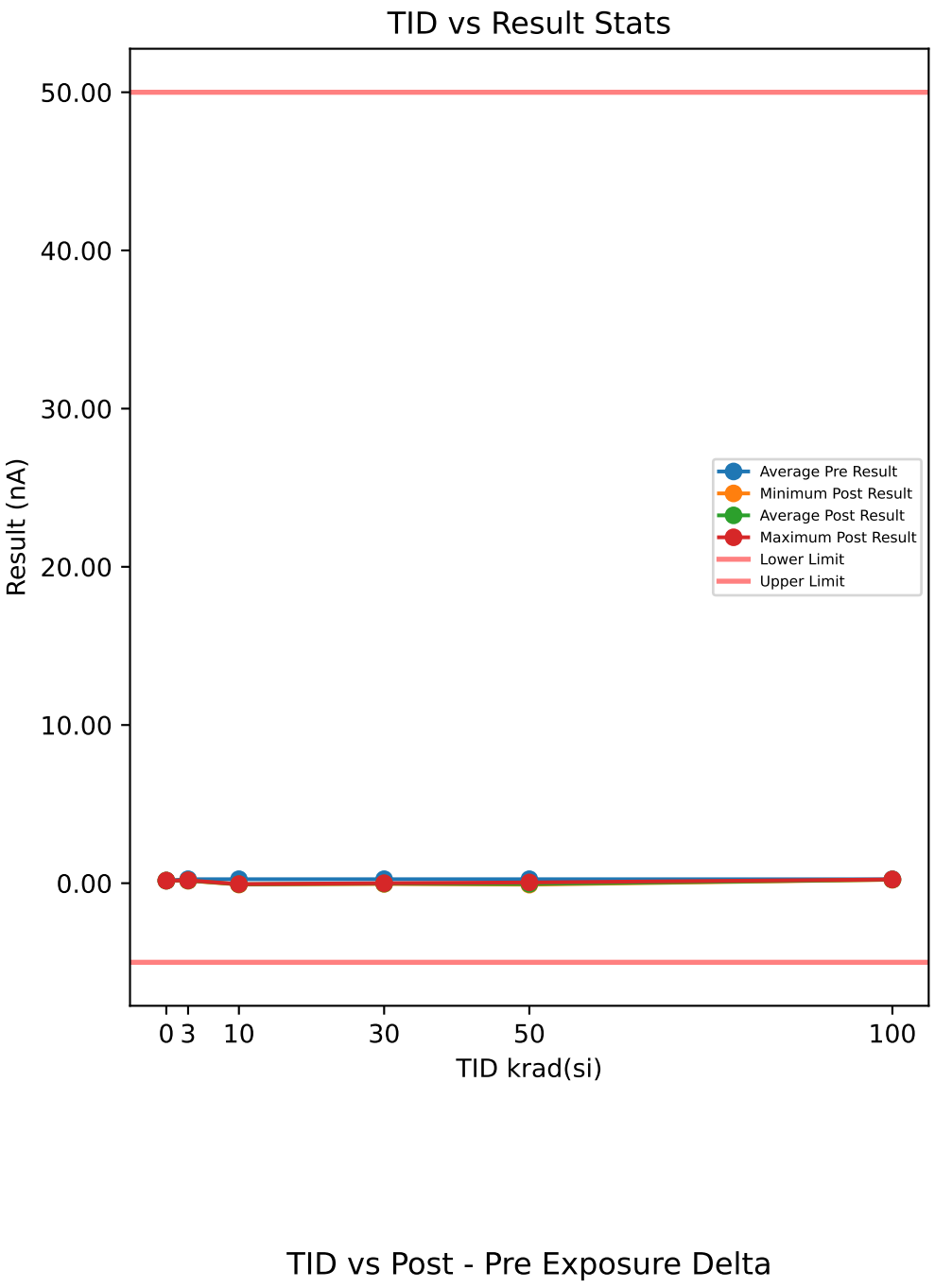

Test Results (Lower Limit = 0.5, Upper Limit = 1.3 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.837 | 0.837 | 0 |
| 7 | 0 | Correlation | 0.843 | 0.843 | 0 |
| 16 | 3 | LDR-Biased | 0.847 | 0.841 | -0.006 |
| 18 | 3 | LDR-Biased | 0.839 | 0.837 | -0.002 |
| 19 | 3 | LDR-Biased | 0.841 | 0.841 | 0 |
| 20 | 3 | LDR-Biased | 0.837 | 0.839 | 0.002 |
| 21 | 3 | LDR-Biased | 0.843 | 0.835 | -0.008 |
| 22 | 3 | LDR-Unbiased | 0.847 | 0.839 | -0.008 |
| 23 | 3 | LDR-Unbiased | 0.837 | 0.833 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.837 | 0.833 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.845 | 0.833 | -0.012 |
| 27 | 3 | LDR-Unbiased | 0.839 | 0.831 | -0.008 |
| 46 | 10 | LDR-Biased | 0.847 | 0.839 | -0.008 |
| 48 | 10 | LDR-Biased | 0.839 | 0.837 | -0.002 |
| 49 | 10 | LDR-Biased | 0.841 | 0.839 | -0.002 |
| 50 | 10 | LDR-Biased | 0.837 | 0.837 | 0 |
| 51 | 10 | LDR-Biased | 0.843 | 0.833 | -0.01 |
| 52 | 10 | LDR-Unbiased | 0.847 | 0.835 | -0.012 |
| 53 | 10 | LDR-Unbiased | 0.837 | 0.829 | -0.008 |
| 55 | 10 | LDR-Unbiased | 0.837 | 0.829 | -0.008 |
| 56 | 10 | LDR-Unbiased | 0.845 | 0.829 | -0.016 |
| 57 | 10 | LDR-Unbiased | 0.839 | 0.827 | -0.012 |
| 76 | 30 | LDR-Biased | 0.847 | 0.824 | -0.023 |
| 78 | 30 | LDR-Biased | 0.839 | 0.829 | -0.01 |
| 79 | 30 | LDR-Biased | 0.841 | 0.824 | -0.017 |
| 80 | 30 | LDR-Biased | 0.837 | 0.822 | -0.015 |
| 81 | 30 | LDR-Biased | 0.843 | 0.818 | -0.025 |
| 82 | 30 | LDR-Unbiased | 0.847 | 0.818 | -0.029 |
| 83 | 30 | LDR-Unbiased | 0.837 | 0.814 | -0.023 |
| 84 | 30 | LDR-Unbiased | 0.839 | 0.81 | -0.029 |
| 85 | 30 | LDR-Unbiased | 0.837 | 0.812 | -0.025 |
| 86 | 30 | LDR-Unbiased | 0.845 | 0.81 | -0.035 |
| 87 | 100 | LDR-Biased | 0.837 | 0.777 | -0.06 |
| 88 | 100 | LDR-Biased | 0.845 | 0.837 | -0.008 |
| 90 | 100 | LDR-Biased | 0.839 | 0.837 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.847 | 0.783 | -0.064 |
| 93 | 100 | LDR-Unbiased | 0.843 | 0.791 | -0.052 |
| 94 | 100 | LDR-Unbiased | 0.847 | 0.783 | -0.064 |
| 95 | 100 | LDR-Unbiased | 0.833 | 0.775 | -0.058 |
| 96 | 100 | LDR-Unbiased | 0.839 | 0.775 | -0.064 |
| 106 | 50 | LDR-Biased | 0.847 | 0.816 | -0.031 |
| 108 | 50 | LDR-Biased | 0.839 | 0.818 | -0.021 |
| 109 | 50 | LDR-Biased | 0.841 | 0.814 | -0.027 |
| 110 | 50 | LDR-Biased | 0.837 | 0.824 | -0.013 |
| 111 | 50 | LDR-Biased | 0.843 | 0.808 | -0.035 |
| 112 | 50 | LDR-Unbiased | 0.847 | 0.808 | -0.039 |
| 113 | 50 | LDR-Unbiased | 0.837 | 0.804 | -0.033 |
| 115 | 50 | LDR-Unbiased | 0.837 | 0.802 | -0.035 |
| 116 | 50 | LDR-Unbiased | 0.845 | 0.8 | -0.045 |
| 117 | 50 | LDR-Unbiased | 0.839 | 0.8 | -0.039 |

Test Statistics (V)

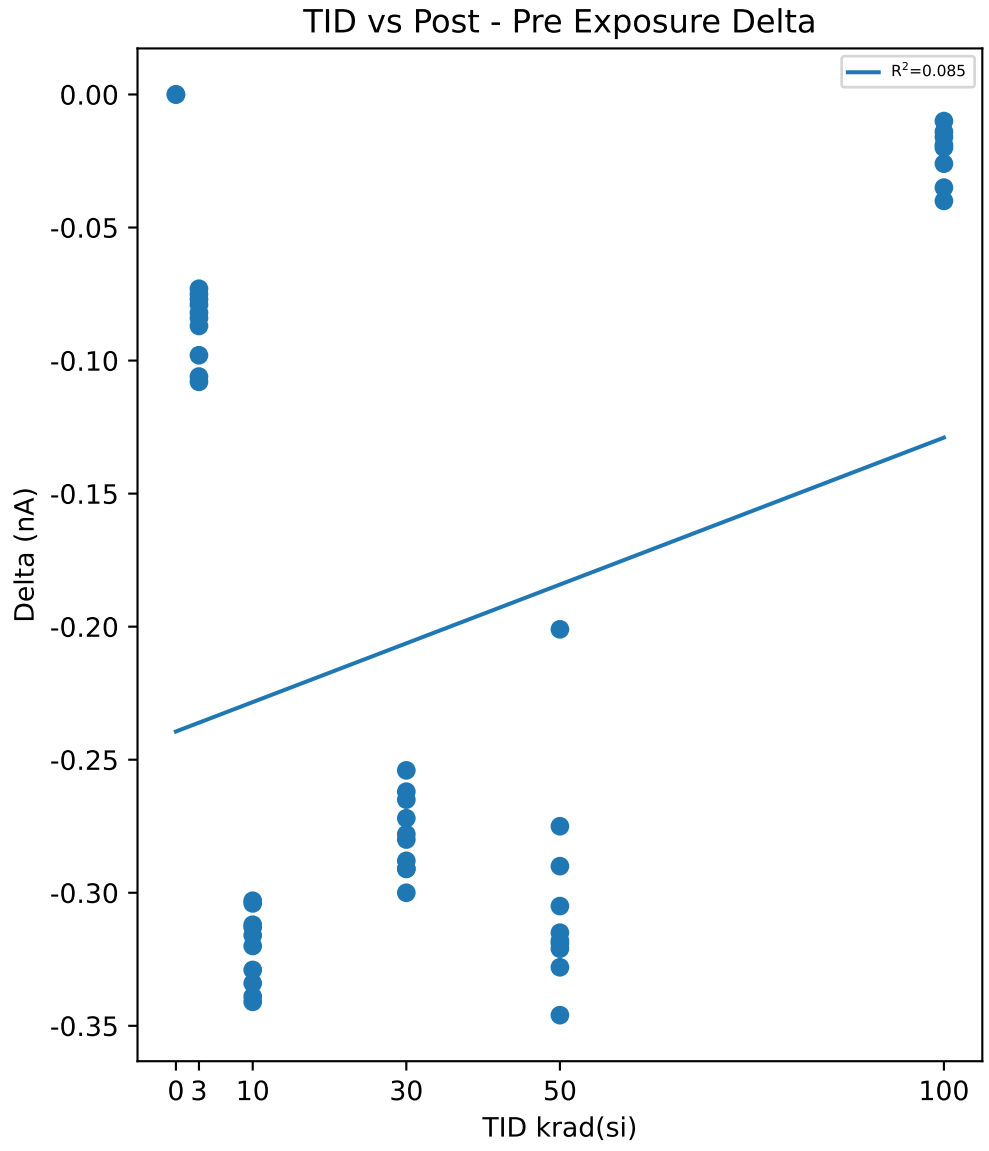
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.837 | 0.84 | 0.843 | 0.0042426 | 0.837 | 0.84 | 0.843 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 0.837 | 0.8412 | 0.847 | 0.0040497 | 0.831 | 0.8362 | 0.841 | 0.0036757 | -0.012 | -0.005 | 0.002 | 0.0042426 |
| 10 | 0.837 | 0.8412 | 0.847 | 0.0040497 | 0.827 | 0.8334 | 0.839 | 0.0045995 | -0.016 | -0.0078 | 0 | 0.0051164 |
| 30 | 0.837 | 0.8412 | 0.847 | 0.0040497 | 0.81 | 0.8181 | 0.829 | 0.0065735 | -0.035 | -0.0231 | -0.01 | 0.0074005 |
| 50 | 0.837 | 0.8412 | 0.847 | 0.0040497 | 0.8 | 0.8094 | 0.824 | 0.0082758 | -0.045 | -0.0318 | -0.013 | 0.0093903 |
| 100 | 0.833 | 0.84125 | 0.847 | 0.0050639 | 0.775 | 0.79475 | 0.837 | 0.026607 | -0.064 | -0.0465 | -0.002 | 0.025984 |

# Device Test: 6.14 ILKG_UP/UP//14/0/0/0/@ILKG_UP_DOWN




Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

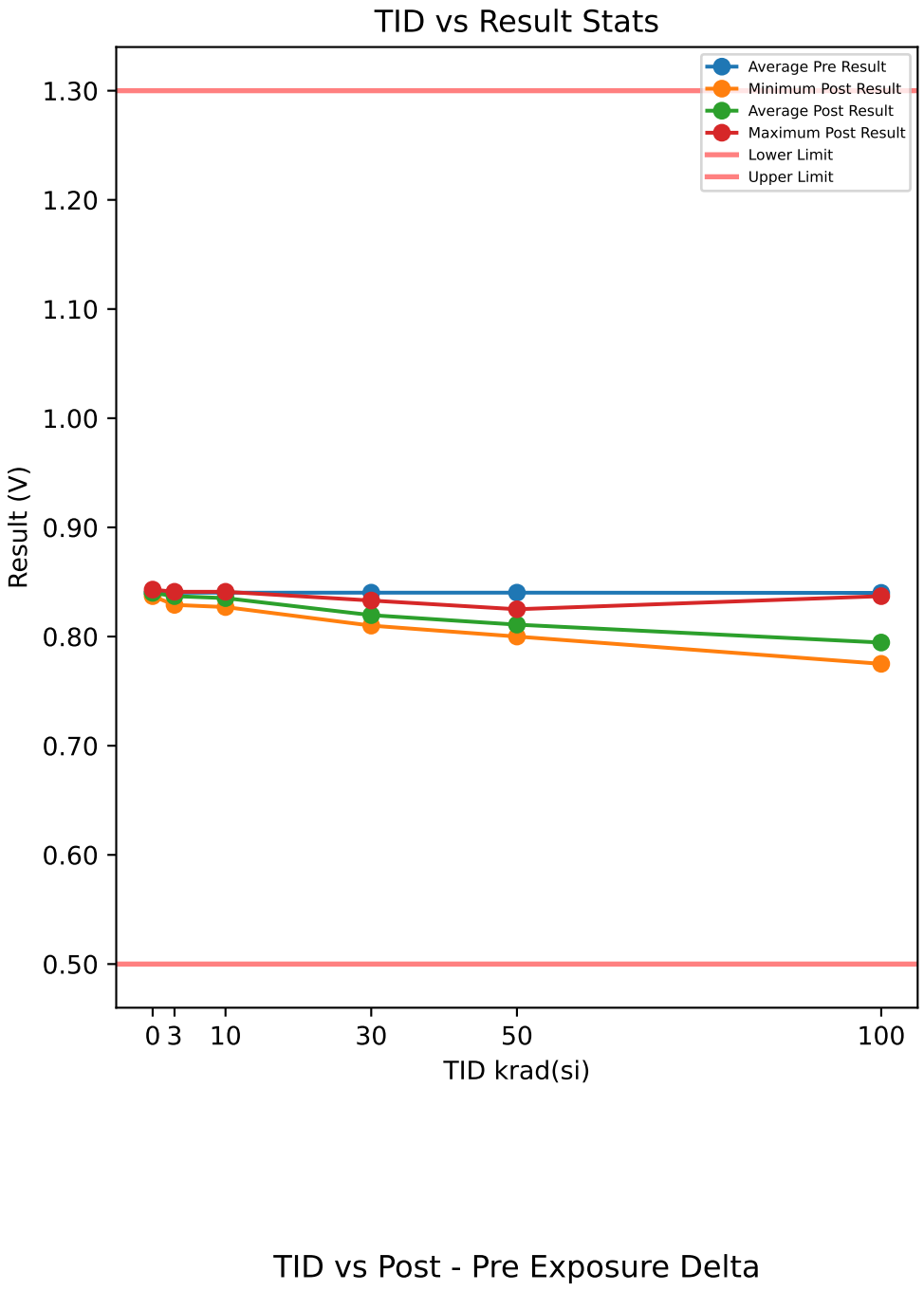
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.163 | 0.163 | 0 |
| 7 | 0 | Correlation | 0.16 | 0.16 | 0 |
| 16 | 3 | LDR-Biased | 0.253 | 0.169 | -0.084 |
| 18 | 3 | LDR-Biased | 0.243 | 0.168 | -0.075 |
| 19 | 3 | LDR-Biased | 0.264 | 0.156 | -0.108 |
| 20 | 3 | LDR-Biased | 0.265 | 0.159 | -0.106 |
| 21 | 3 | LDR-Biased | 0.244 | 0.157 | -0.087 |
| 22 | 3 | LDR-Unbiased | 0.238 | 0.161 | -0.077 |
| 23 | 3 | LDR-Unbiased | 0.255 | 0.157 | -0.098 |
| 25 | 3 | LDR-Unbiased | 0.254 | 0.181 | -0.073 |
| 26 | 3 | LDR-Unbiased | 0.253 | 0.174 | -0.079 |
| 27 | 3 | LDR-Unbiased | 0.248 | 0.166 | -0.082 |
| 46 | 10 | LDR-Biased | 0.253 | -0.059 | -0.312 |
| 48 | 10 | LDR-Biased | 0.243 | -0.06 | -0.303 |
| 49 | 10 | LDR-Biased | 0.264 | -0.065 | -0.329 |
| 50 | 10 | LDR-Biased | 0.265 | -0.074 | -0.339 |
| 51 | 10 | LDR-Biased | 0.244 | -0.069 | -0.313 |
| 52 | 10 | LDR-Unbiased | 0.238 | -0.082 | -0.32 |
| 53 | 10 | LDR-Unbiased | 0.255 | -0.086 | -0.341 |
| 55 | 10 | LDR-Unbiased | 0.254 | -0.062 | -0.316 |
| 56 | 10 | LDR-Unbiased | 0.253 | -0.081 | -0.334 |
| 57 | 10 | LDR-Unbiased | 0.248 | -0.056 | -0.304 |
| 76 | 30 | LDR-Biased | 0.253 | -0.001 | -0.254 |
| 78 | 30 | LDR-Biased | 0.243 | -0.035 | -0.278 |
| 79 | 30 | LDR-Biased | 0.264 | -0.027 | -0.291 |
| 80 | 30 | LDR-Biased | 0.265 | -0.026 | -0.291 |
| 81 | 30 | LDR-Biased | 0.244 | -0.018 | -0.262 |
| 82 | 30 | LDR-Unbiased | 0.238 | -0.034 | -0.272 |
| 83 | 30 | LDR-Unbiased | 0.255 | -0.033 | -0.288 |
| 84 | 30 | LDR-Unbiased | 0.248 | -0.017 | -0.265 |
| 85 | 30 | LDR-Unbiased | 0.254 | -0.046 | -0.3 |
| 86 | 30 | LDR-Unbiased | 0.253 | -0.027 | -0.28 |
| 87 | 100 | LDR-Biased | 0.241 | 0.222 | -0.019 |
| 88 | 100 | LDR-Biased | 0.261 | 0.221 | -0.04 |
| 90 | 100 | LDR-Biased | 0.247 | 0.221 | -0.026 |
| 91 | 100 | LDR-Unbiased | 0.239 | 0.225 | -0.014 |
| 93 | 100 | LDR-Unbiased | 0.247 | 0.227 | -0.02 |
| 94 | 100 | LDR-Unbiased | 0.254 | 0.219 | -0.035 |
| 95 | 100 | LDR-Unbiased | 0.249 | 0.233 | -0.016 |
| 96 | 100 | LDR-Unbiased | 0.247 | 0.237 | -0.01 |
| 106 | 50 | LDR-Biased | 0.253 | -0.052 | -0.305 |
| 108 | 50 | LDR-Biased | 0.243 | -0.032 | -0.275 |
| 109 | 50 | LDR-Biased | 0.264 | -0.055 | -0.319 |
| 110 | 50 | LDR-Biased | 0.265 | -0.063 | -0.328 |
| 111 | 50 | LDR-Biased | 0.244 | -0.074 | -0.318 |
| 112 | 50 | LDR-Unbiased | 0.238 | -0.052 | -0.29 |
| 113 | 50 | LDR-Unbiased | 0.255 | -0.06 | -0.315 |
| 115 | 50 | LDR-Unbiased | 0.254 | -0.092 | -0.346 |
| 116 | 50 | LDR-Unbiased | 0.253 | -0.068 | -0.321 |
| 117 | 50 | LDR-Unbiased | 0.248 | 0.047 | -0.201 |

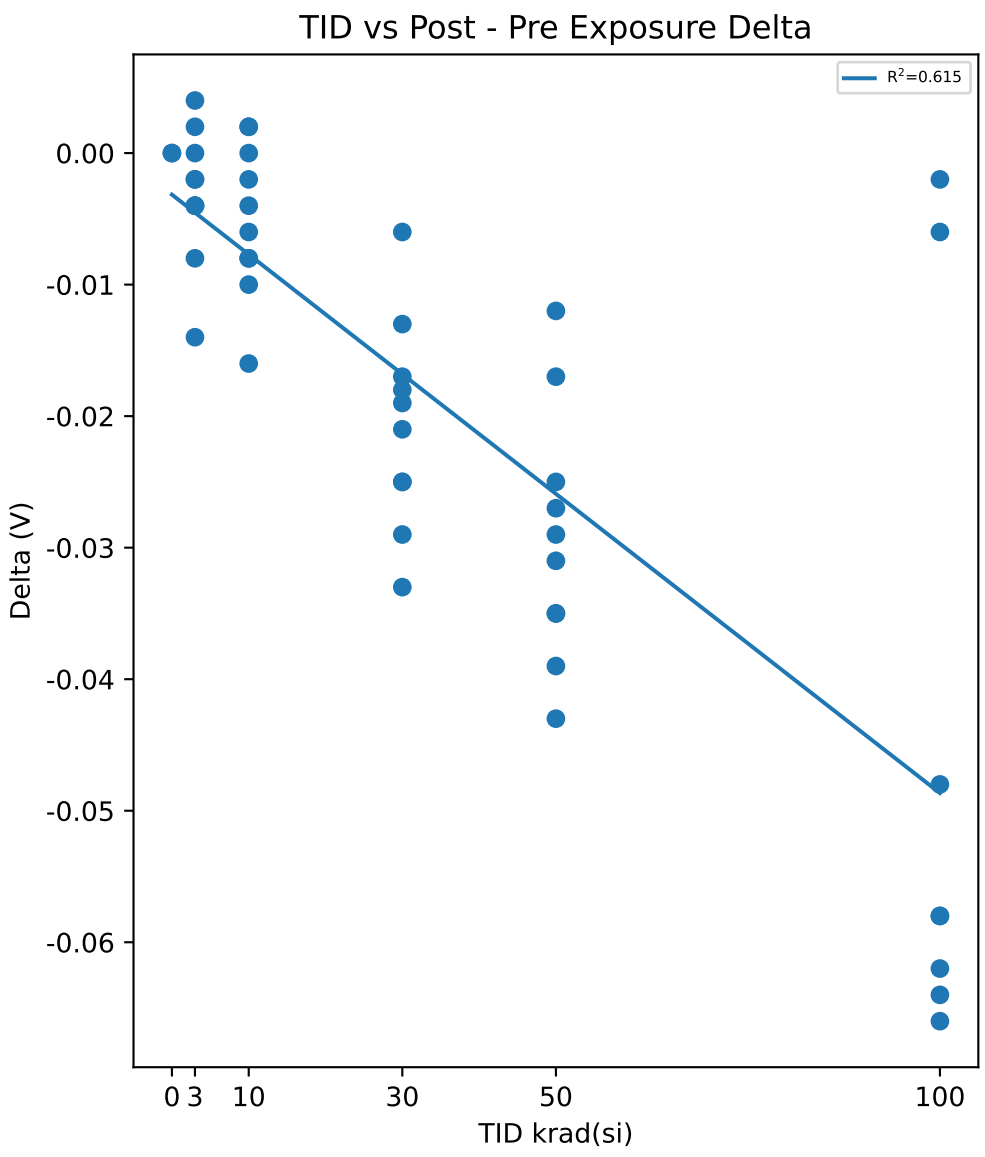



Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.16 | 0.1615 | 0.163 | 0.0021213 | 0.16 | 0.1615 | 0.163 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 0.238 | 0.2517 | 0.265 | 0.0087184 | 0.156 | 0.1648 | 0.181 | 0.008324 | -0.108 | -0.0869 | -0.073 | 0.012741 |
| 10 | 0.238 | 0.2517 | 0.265 | 0.0087184 | -0.086 | -0.0694 | -0.056 | 0.010752 | -0.341 | -0.3211 | -0.303 | 0.013908 |
| 30 | 0.238 | 0.2517 | 0.265 | 0.0087184 | -0.046 | -0.0264 | -0.001 | 0.012313 | -0.3 | -0.2781 | -0.254 | 0.014768 |
| 50 | 0.238 | 0.2517 | 0.265 | 0.0087184 | -0.092 | -0.0501 | 0.047 | 0.037563 | -0.346 | -0.3018 | -0.201 | 0.04051 |
| 100 | 0.239 | 0.24812 | 0.261 | 0.0069578 | 0.219 | 0.22562 | 0.237 | 0.0063906 | -0.04 | -0.0225 | -0.01 | 0.010447 |

# Device Test: 6.140 PU1_VPOR_RISE_EN3/EN3//0/0/0/0.1/@VPULLUP_VALID



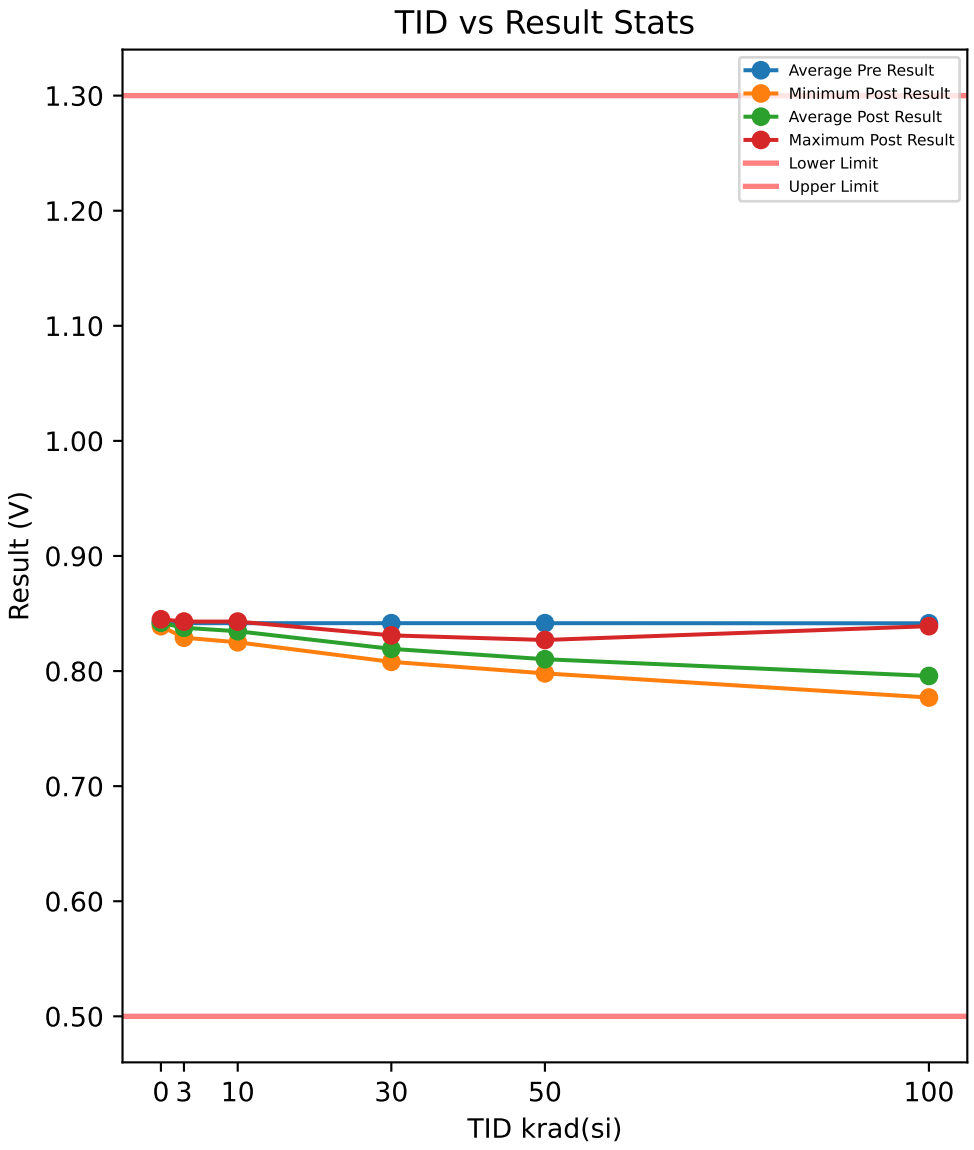

Test Results (Lower Limit = 0.5, Upper Limit = 1.3 (V))

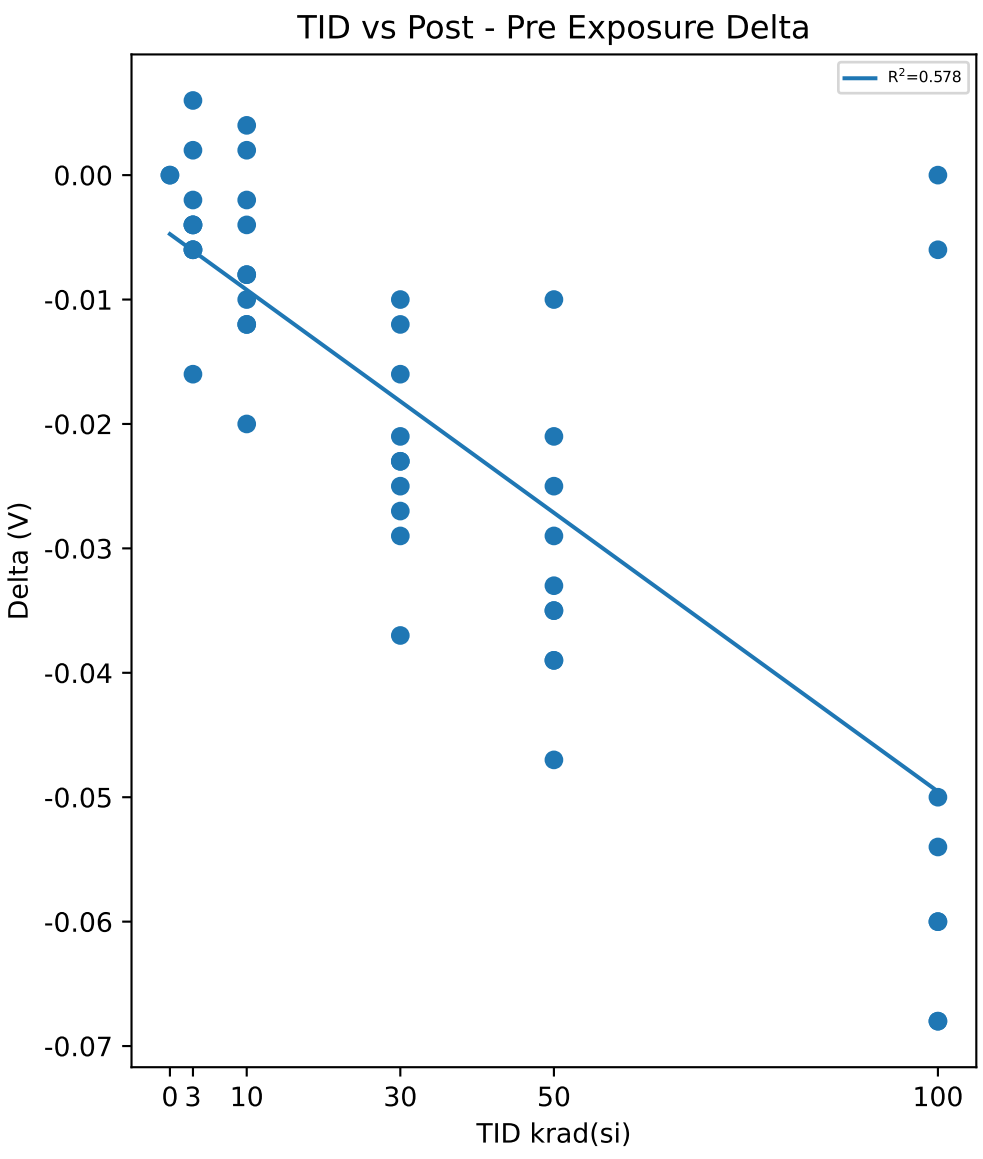
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.837 | 0.837 | 0 |
| 7 | 0 | Correlation | 0.843 | 0.843 | 0 |
| 16 | 3 | LDR-Biased | 0.843 | 0.841 | -0.002 |
| 18 | 3 | LDR-Biased | 0.839 | 0.841 | 0.002 |
| 19 | 3 | LDR-Biased | 0.841 | 0.841 | 0 |
| 20 | 3 | LDR-Biased | 0.837 | 0.841 | 0.004 |
| 21 | 3 | LDR-Biased | 0.839 | 0.835 | -0.004 |
| 22 | 3 | LDR-Unbiased | 0.845 | 0.841 | -0.004 |
| 23 | 3 | LDR-Unbiased | 0.835 | 0.833 | -0.002 |
| 25 | 3 | LDR-Unbiased | 0.839 | 0.835 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.841 | 0.833 | -0.008 |
| 27 | 3 | LDR-Unbiased | 0.843 | 0.829 | -0.014 |
| 46 | 10 | LDR-Biased | 0.843 | 0.841 | -0.002 |
| 48 | 10 | LDR-Biased | 0.839 | 0.841 | 0.002 |
| 49 | 10 | LDR-Biased | 0.841 | 0.841 | 0 |
| 50 | 10 | LDR-Biased | 0.837 | 0.839 | 0.002 |
| 51 | 10 | LDR-Biased | 0.839 | 0.835 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.845 | 0.837 | -0.008 |
| 53 | 10 | LDR-Unbiased | 0.835 | 0.829 | -0.006 |
| 55 | 10 | LDR-Unbiased | 0.839 | 0.831 | -0.008 |
| 56 | 10 | LDR-Unbiased | 0.841 | 0.831 | -0.01 |
| 57 | 10 | LDR-Unbiased | 0.843 | 0.827 | -0.016 |
| 76 | 30 | LDR-Biased | 0.843 | 0.825 | -0.018 |
| 78 | 30 | LDR-Biased | 0.839 | 0.833 | -0.006 |
| 79 | 30 | LDR-Biased | 0.841 | 0.824 | -0.017 |
| 80 | 30 | LDR-Biased | 0.837 | 0.824 | -0.013 |
| 81 | 30 | LDR-Biased | 0.839 | 0.82 | -0.019 |
| 82 | 30 | LDR-Unbiased | 0.845 | 0.82 | -0.025 |
| 83 | 30 | LDR-Unbiased | 0.835 | 0.814 | -0.021 |
| 84 | 30 | LDR-Unbiased | 0.843 | 0.81 | -0.033 |
| 85 | 30 | LDR-Unbiased | 0.839 | 0.814 | -0.025 |
| 86 | 30 | LDR-Unbiased | 0.841 | 0.812 | -0.029 |
| 87 | 100 | LDR-Biased | 0.835 | 0.777 | -0.058 |
| 88 | 100 | LDR-Biased | 0.843 | 0.837 | -0.006 |
| 90 | 100 | LDR-Biased | 0.839 | 0.837 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.845 | 0.781 | -0.064 |
| 93 | 100 | LDR-Unbiased | 0.839 | 0.791 | -0.048 |
| 94 | 100 | LDR-Unbiased | 0.843 | 0.781 | -0.062 |
| 95 | 100 | LDR-Unbiased | 0.833 | 0.775 | -0.058 |
| 96 | 100 | LDR-Unbiased | 0.843 | 0.777 | -0.066 |
| 106 | 50 | LDR-Biased | 0.843 | 0.818 | -0.025 |
| 108 | 50 | LDR-Biased | 0.839 | 0.822 | -0.017 |
| 109 | 50 | LDR-Biased | 0.841 | 0.814 | -0.027 |
| 110 | 50 | LDR-Biased | 0.837 | 0.825 | -0.012 |
| 111 | 50 | LDR-Biased | 0.839 | 0.81 | -0.029 |
| 112 | 50 | LDR-Unbiased | 0.845 | 0.81 | -0.035 |
| 113 | 50 | LDR-Unbiased | 0.835 | 0.804 | -0.031 |
| 115 | 50 | LDR-Unbiased | 0.839 | 0.804 | -0.035 |
| 116 | 50 | LDR-Unbiased | 0.841 | 0.802 | -0.039 |
| 117 | 50 | LDR-Unbiased | 0.843 | 0.8 | -0.043 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.837 | 0.84 | 0.843 | 0.0042426 | 0.837 | 0.84 | 0.843 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 0.835 | 0.8402 | 0.845 | 0.0030111 | 0.829 | 0.837 | 0.841 | 0.0045216 | -0.014 | -0.0032 | 0.004 | 0.0050947 |
| 10 | 0.835 | 0.8402 | 0.845 | 0.0030111 | 0.827 | 0.8352 | 0.841 | 0.0053707 | -0.016 | -0.005 | 0.002 | 0.0057542 |
| 30 | 0.835 | 0.8402 | 0.845 | 0.0030111 | 0.81 | 0.8196 | 0.833 | 0.0071523 | -0.033 | -0.0206 | -0.006 | 0.0078627 |
| 50 | 0.835 | 0.8402 | 0.845 | 0.0030111 | 0.8 | 0.8109 | 0.825 | 0.0086724 | -0.043 | -0.0293 | -0.012 | 0.009569 |
| 100 | 0.833 | 0.84 | 0.845 | 0.0042762 | 0.775 | 0.7945 | 0.837 | 0.026678 | -0.066 | -0.0455 | -0.002 | 0.026203 |

# Device Test: 6.141 PU1_VPOR_RISE_EN4/EN4//0/0/0/0.1/@VPULLUP_VALID



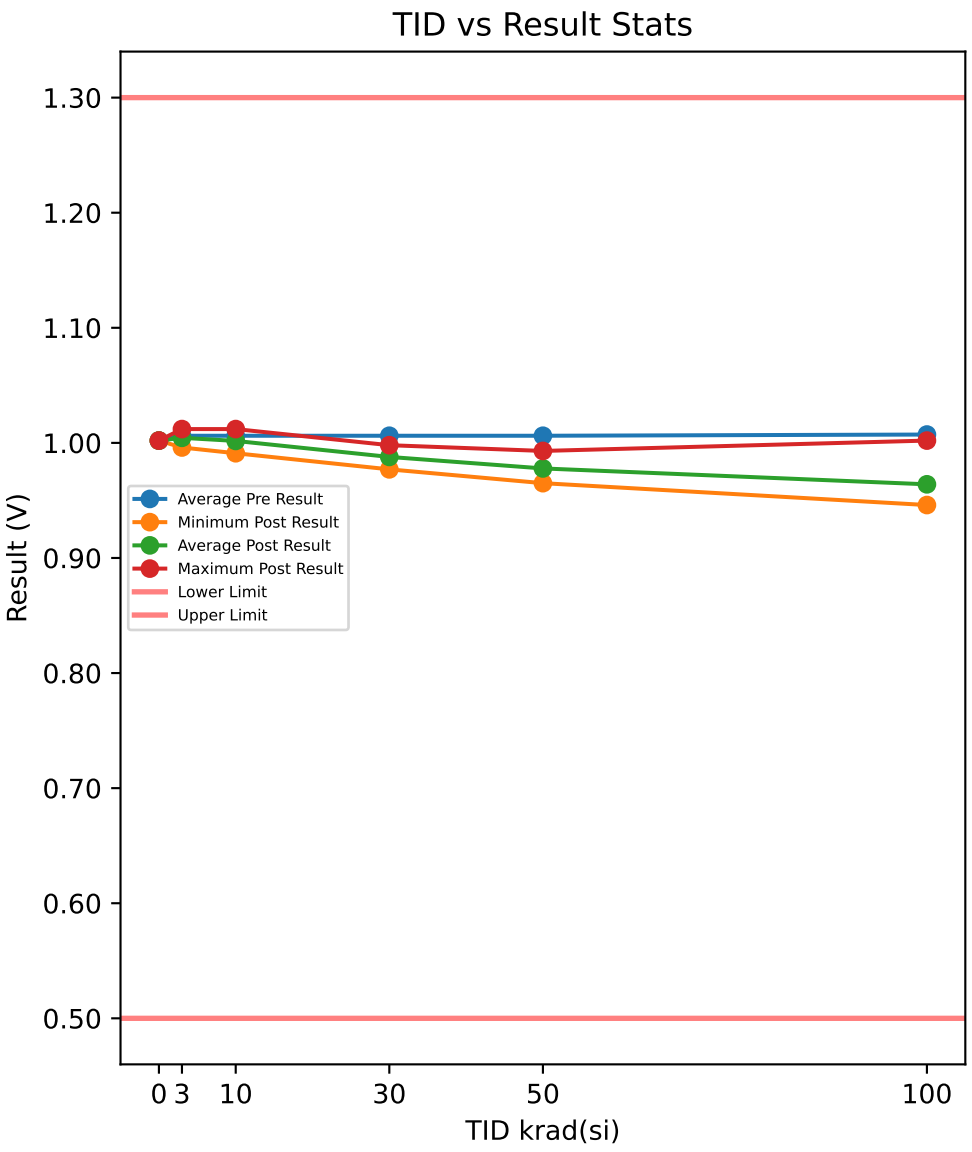

Test Results (Lower Limit = 0.5, Upper Limit = 1.3 (V))

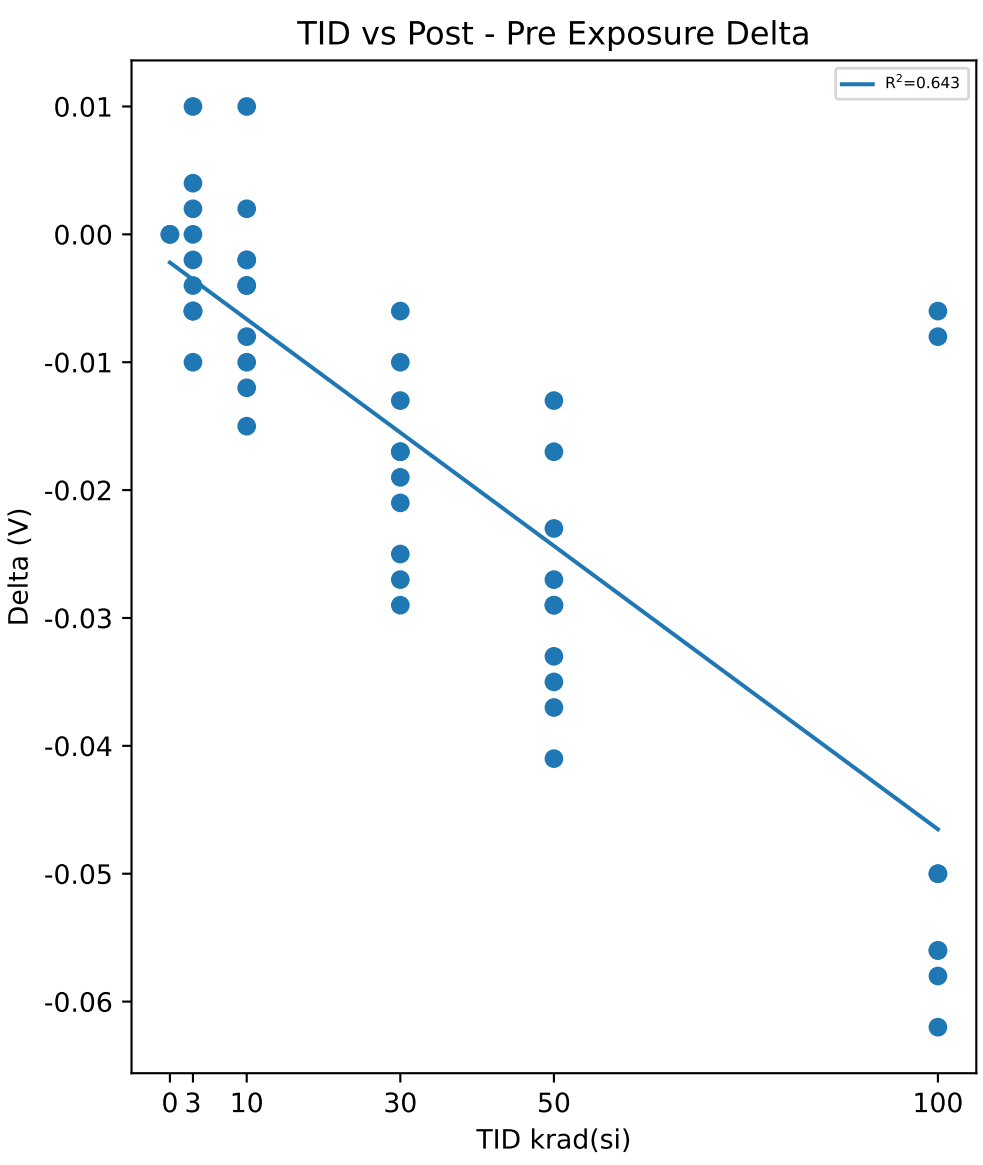
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.839 | 0.839 | 0 |
| 7 | 0 | Correlation | 0.845 | 0.845 | 0 |
| 16 | 3 | LDR-Biased | 0.845 | 0.841 | -0.004 |
| 18 | 3 | LDR-Biased | 0.841 | 0.839 | -0.002 |
| 19 | 3 | LDR-Biased | 0.841 | 0.843 | 0.002 |
| 20 | 3 | LDR-Biased | 0.837 | 0.843 | 0.006 |
| 21 | 3 | LDR-Biased | 0.841 | 0.835 | -0.006 |
| 22 | 3 | LDR-Unbiased | 0.847 | 0.841 | -0.006 |
| 23 | 3 | LDR-Unbiased | 0.839 | 0.835 | -0.004 |
| 25 | 3 | LDR-Unbiased | 0.839 | 0.835 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.841 | 0.835 | -0.006 |
| 27 | 3 | LDR-Unbiased | 0.845 | 0.829 | -0.016 |
| 46 | 10 | LDR-Biased | 0.845 | 0.841 | -0.004 |
| 48 | 10 | LDR-Biased | 0.841 | 0.839 | -0.002 |
| 49 | 10 | LDR-Biased | 0.841 | 0.843 | 0.002 |
| 50 | 10 | LDR-Biased | 0.837 | 0.841 | 0.004 |
| 51 | 10 | LDR-Biased | 0.841 | 0.833 | -0.008 |
| 52 | 10 | LDR-Unbiased | 0.847 | 0.835 | -0.012 |
| 53 | 10 | LDR-Unbiased | 0.839 | 0.829 | -0.01 |
| 55 | 10 | LDR-Unbiased | 0.839 | 0.831 | -0.008 |
| 56 | 10 | LDR-Unbiased | 0.841 | 0.829 | -0.012 |
| 57 | 10 | LDR-Unbiased | 0.845 | 0.825 | -0.02 |
| 76 | 30 | LDR-Biased | 0.845 | 0.824 | -0.021 |
| 78 | 30 | LDR-Biased | 0.841 | 0.831 | -0.01 |
| 79 | 30 | LDR-Biased | 0.841 | 0.825 | -0.016 |
| 80 | 30 | LDR-Biased | 0.837 | 0.825 | -0.012 |
| 81 | 30 | LDR-Biased | 0.841 | 0.818 | -0.023 |
| 82 | 30 | LDR-Unbiased | 0.847 | 0.82 | -0.027 |
| 83 | 30 | LDR-Unbiased | 0.839 | 0.816 | -0.023 |
| 84 | 30 | LDR-Unbiased | 0.845 | 0.808 | -0.037 |
| 85 | 30 | LDR-Unbiased | 0.839 | 0.814 | -0.025 |
| 86 | 30 | LDR-Unbiased | 0.841 | 0.812 | -0.029 |
| 87 | 100 | LDR-Biased | 0.837 | 0.777 | -0.06 |
| 88 | 100 | LDR-Biased | 0.845 | 0.839 | -0.006 |
| 90 | 100 | LDR-Biased | 0.839 | 0.839 | 0 |
| 91 | 100 | LDR-Unbiased | 0.847 | 0.779 | -0.068 |
| 93 | 100 | LDR-Unbiased | 0.841 | 0.791 | -0.05 |
| 94 | 100 | LDR-Unbiased | 0.845 | 0.785 | -0.06 |
| 95 | 100 | LDR-Unbiased | 0.833 | 0.779 | -0.054 |
| 96 | 100 | LDR-Unbiased | 0.845 | 0.777 | -0.068 |
| 106 | 50 | LDR-Biased | 0.845 | 0.816 | -0.029 |
| 108 | 50 | LDR-Biased | 0.841 | 0.82 | -0.021 |
| 109 | 50 | LDR-Biased | 0.841 | 0.816 | -0.025 |
| 110 | 50 | LDR-Biased | 0.837 | 0.827 | -0.01 |
| 111 | 50 | LDR-Biased | 0.841 | 0.808 | -0.033 |
| 112 | 50 | LDR-Unbiased | 0.847 | 0.808 | -0.039 |
| 113 | 50 | LDR-Unbiased | 0.839 | 0.804 | -0.035 |
| 115 | 50 | LDR-Unbiased | 0.839 | 0.804 | -0.035 |
| 116 | 50 | LDR-Unbiased | 0.841 | 0.802 | -0.039 |
| 117 | 50 | LDR-Unbiased | 0.845 | 0.798 | -0.047 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.839 | 0.842 | 0.845 | 0.0042426 | 0.839 | 0.842 | 0.845 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 0.837 | 0.8416 | 0.847 | 0.003134 | 0.829 | 0.8376 | 0.843 | 0.0045265 | -0.016 | -0.004 | 0.006 | 0.0057349 |
| 10 | 0.837 | 0.8416 | 0.847 | 0.003134 | 0.825 | 0.8346 | 0.843 | 0.006168 | -0.02 | -0.007 | 0.004 | 0.0071957 |
| 30 | 0.837 | 0.8416 | 0.847 | 0.003134 | 0.808 | 0.8193 | 0.831 | 0.0070404 | -0.037 | -0.0223 | -0.01 | 0.0080973 |
| 50 | 0.837 | 0.8416 | 0.847 | 0.003134 | 0.798 | 0.8103 | 0.827 | 0.0091171 | -0.047 | -0.0313 | -0.01 | 0.010541 |
| 100 | 0.833 | 0.8415 | 0.847 | 0.0048697 | 0.777 | 0.79575 | 0.839 | 0.027107 | -0.068 | -0.04575 | 0 | 0.027139 |

# Device Test: 6.142 PU2_VPOR_RISE_SEQ/SEQ_DONE//0/0/0/0.1/@VPULLUP_VALID



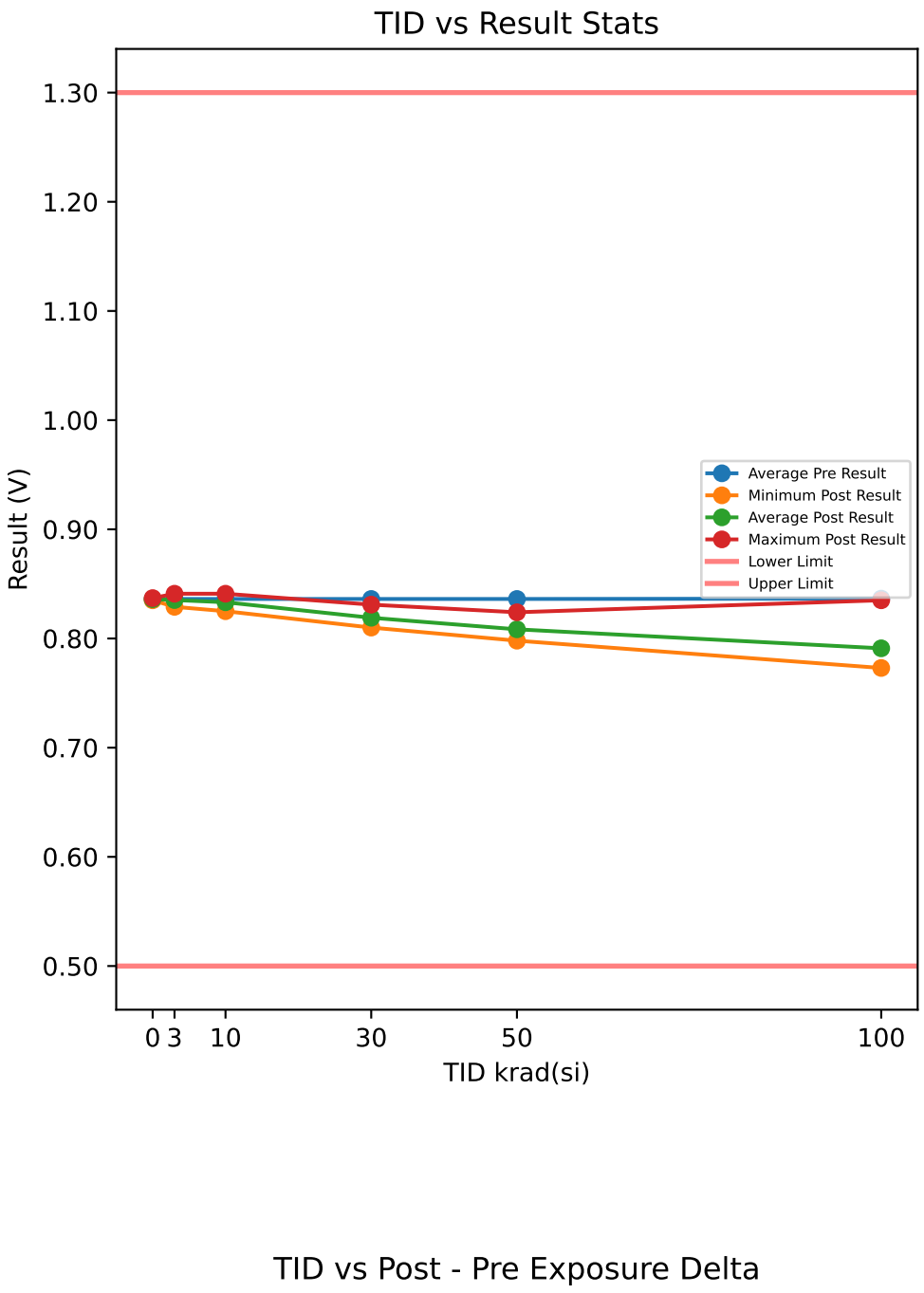

Test Results (Lower Limit = 0.5, Upper Limit = 1.3 (V))

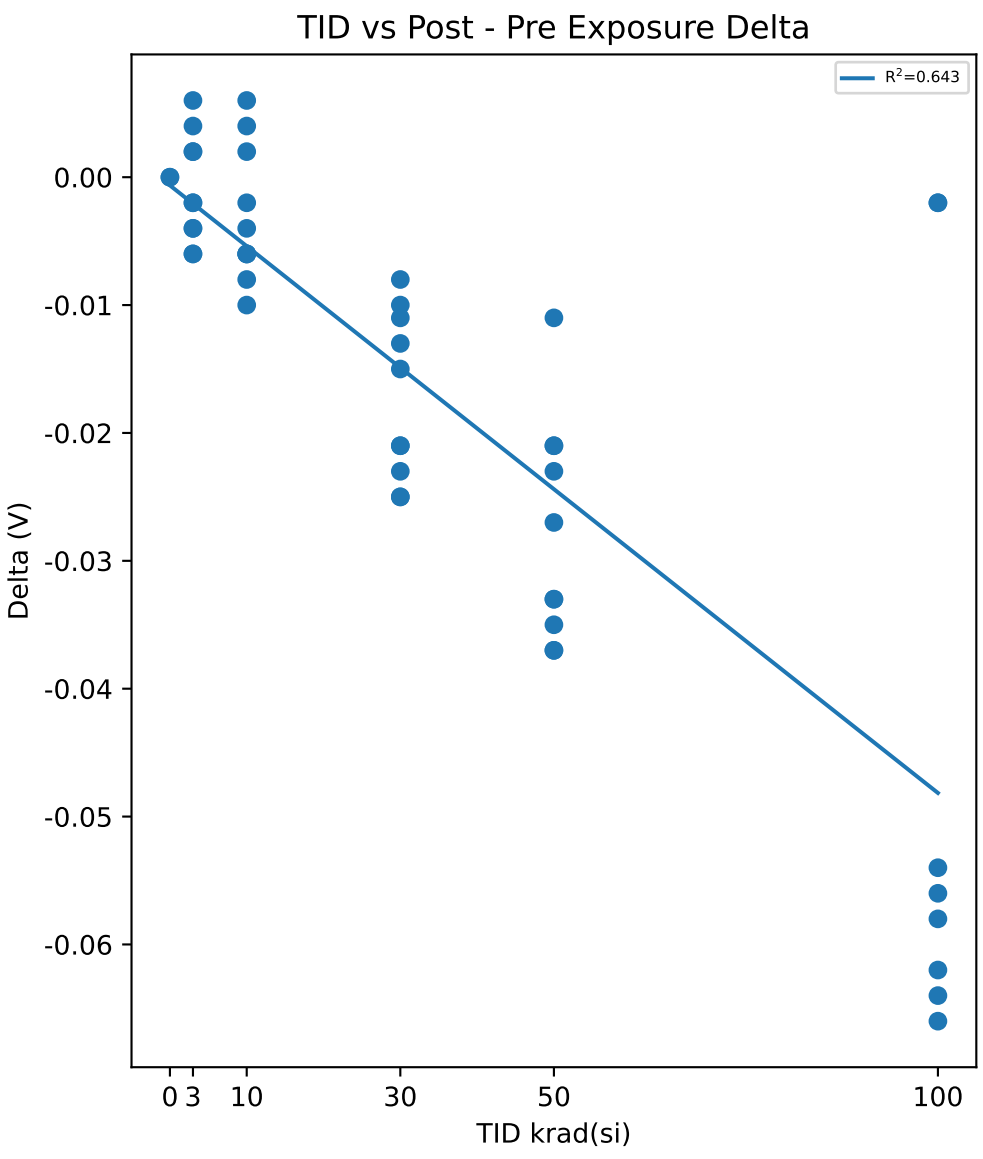
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.002 | 1.002 | 0 |
| 7 | 0 | Correlation | 1.002 | 1.002 | 0 |
| 16 | 3 | LDR-Biased | 1.008 | 1.006 | -0.002 |
| 18 | 3 | LDR-Biased | 1.008 | 1.004 | -0.004 |
| 19 | 3 | LDR-Biased | 1.002 | 1.012 | 0.01 |
| 20 | 3 | LDR-Biased | 1.006 | 1.008 | 0.002 |
| 21 | 3 | LDR-Biased | 1.01 | 1.004 | -0.006 |
| 22 | 3 | LDR-Unbiased | 1.008 | 1.008 | 0 |
| 23 | 3 | LDR-Unbiased | 1.002 | 1.006 | 0.004 |
| 25 | 3 | LDR-Unbiased | 1.004 | 0.998 | -0.006 |
| 26 | 3 | LDR-Unbiased | 1.006 | 0.996 | -0.01 |
| 27 | 3 | LDR-Unbiased | 1.008 | 1.002 | -0.006 |
| 46 | 10 | LDR-Biased | 1.008 | 1.006 | -0.002 |
| 48 | 10 | LDR-Biased | 1.008 | 1.004 | -0.004 |
| 49 | 10 | LDR-Biased | 1.002 | 1.012 | 0.01 |
| 50 | 10 | LDR-Biased | 1.006 | 1.008 | 0.002 |
| 51 | 10 | LDR-Biased | 1.01 | 1.002 | -0.008 |
| 52 | 10 | LDR-Unbiased | 1.008 | 1.004 | -0.004 |
| 53 | 10 | LDR-Unbiased | 1.002 | 1 | -0.002 |
| 55 | 10 | LDR-Unbiased | 1.004 | 0.994 | -0.01 |
| 56 | 10 | LDR-Unbiased | 1.006 | 0.991 | -0.015 |
| 57 | 10 | LDR-Unbiased | 1.008 | 0.996 | -0.012 |
| 76 | 30 | LDR-Biased | 1.008 | 0.991 | -0.017 |
| 78 | 30 | LDR-Biased | 1.008 | 0.998 | -0.01 |
| 79 | 30 | LDR-Biased | 1.002 | 0.996 | -0.006 |
| 80 | 30 | LDR-Biased | 1.006 | 0.993 | -0.013 |
| 81 | 30 | LDR-Biased | 1.01 | 0.989 | -0.021 |
| 82 | 30 | LDR-Unbiased | 1.008 | 0.989 | -0.019 |
| 83 | 30 | LDR-Unbiased | 1.002 | 0.985 | -0.017 |
| 84 | 30 | LDR-Unbiased | 1.008 | 0.981 | -0.027 |
| 85 | 30 | LDR-Unbiased | 1.004 | 0.979 | -0.025 |
| 86 | 30 | LDR-Unbiased | 1.006 | 0.977 | -0.029 |
| 87 | 100 | LDR-Biased | 1.006 | 0.95 | -0.056 |
| 88 | 100 | LDR-Biased | 1.01 | 1.002 | -0.008 |
| 90 | 100 | LDR-Biased | 1.008 | 1.002 | -0.006 |
| 91 | 100 | LDR-Unbiased | 1.008 | 0.946 | -0.062 |
| 93 | 100 | LDR-Unbiased | 1.01 | 0.954 | -0.056 |
| 94 | 100 | LDR-Unbiased | 1.01 | 0.96 | -0.05 |
| 95 | 100 | LDR-Unbiased | 0.998 | 0.948 | -0.05 |
| 96 | 100 | LDR-Unbiased | 1.008 | 0.95 | -0.058 |
| 106 | 50 | LDR-Biased | 1.008 | 0.979 | -0.029 |
| 108 | 50 | LDR-Biased | 1.008 | 0.985 | -0.023 |
| 109 | 50 | LDR-Biased | 1.002 | 0.985 | -0.017 |
| 110 | 50 | LDR-Biased | 1.006 | 0.993 | -0.013 |
| 111 | 50 | LDR-Biased | 1.01 | 0.977 | -0.033 |
| 112 | 50 | LDR-Unbiased | 1.008 | 0.979 | -0.029 |
| 113 | 50 | LDR-Unbiased | 1.002 | 0.975 | -0.027 |
| 115 | 50 | LDR-Unbiased | 1.004 | 0.969 | -0.035 |
| 116 | 50 | LDR-Unbiased | 1.006 | 0.965 | -0.041 |
| 117 | 50 | LDR-Unbiased | 1.008 | 0.971 | -0.037 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.002 | 1.002 | 1.002 | 0 | 1.002 | 1.002 | 1.002 | 0 | 0 | 0 | 0 | 0 |
| 3 | 1.002 | 1.0062 | 1.01 | 0.0027406 | 0.996 | 1.0044 | 1.012 | 0.0047889 | -0.01 | -0.0018 | 0.01 | 0.0059217 |
| 10 | 1.002 | 1.0062 | 1.01 | 0.0027406 | 0.991 | 1.0017 | 1.012 | 0.0065328 | -0.015 | -0.0045 | 0.01 | 0.007261 |
| 30 | 1.002 | 1.0062 | 1.01 | 0.0027406 | 0.977 | 0.9878 | 0.998 | 0.0071461 | -0.029 | -0.0184 | -0.006 | 0.0074117 |
| 50 | 1.002 | 1.0062 | 1.01 | 0.0027406 | 0.965 | 0.9778 | 0.993 | 0.0083905 | -0.041 | -0.0284 | -0.013 | 0.0087965 |
| 100 | 0.998 | 1.0072 | 1.01 | 0.0039911 | 0.946 | 0.964 | 1.002 | 0.023833 | -0.062 | -0.04325 | -0.006 | 0.022727 |

# Device Test: 6.143 PU2_VPOR_RISE_PWRGD/PWRGD//0/0/0/0.1/@VPULLUP_VALID



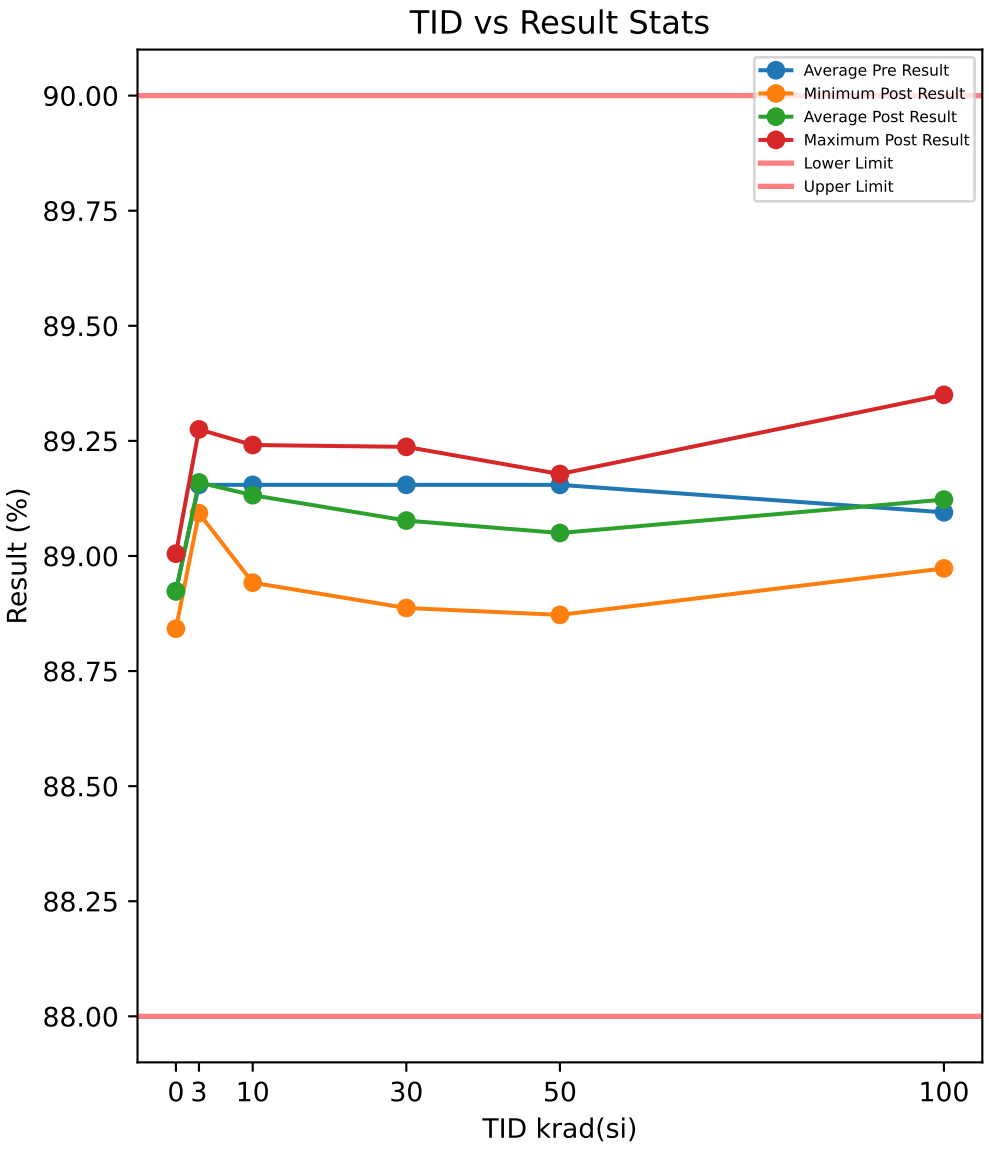

Test Results (Lower Limit = 0.5, Upper Limit = 1.3 (V))

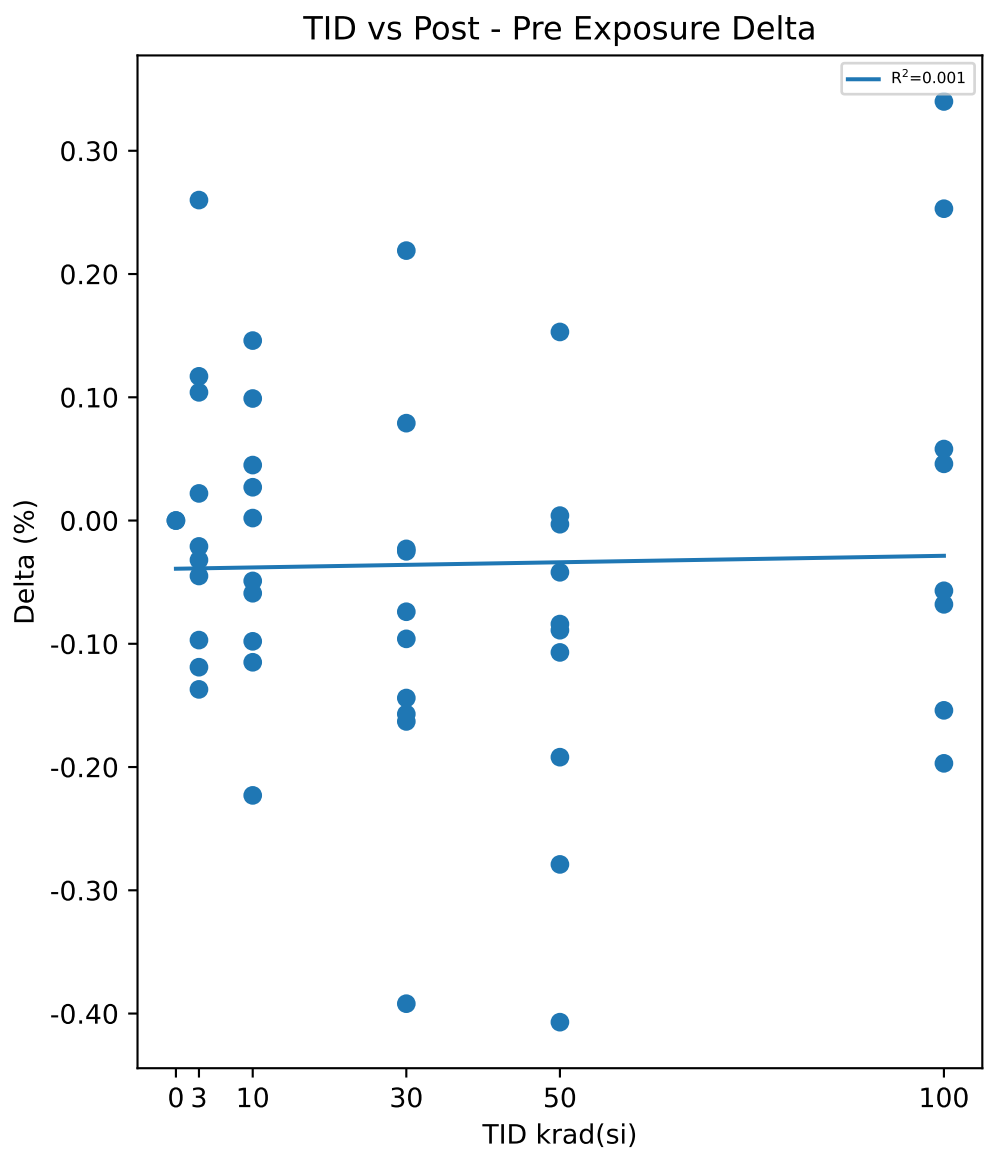
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.835 | 0.835 | 0 |
| 7 | 0 | Correlation | 0.837 | 0.837 | 0 |
| 16 | 3 | LDR-Biased | 0.837 | 0.839 | 0.002 |
| 18 | 3 | LDR-Biased | 0.839 | 0.837 | -0.002 |
| 19 | 3 | LDR-Biased | 0.835 | 0.841 | 0.006 |
| 20 | 3 | LDR-Biased | 0.835 | 0.839 | 0.004 |
| 21 | 3 | LDR-Biased | 0.839 | 0.833 | -0.006 |
| 22 | 3 | LDR-Unbiased | 0.839 | 0.837 | -0.002 |
| 23 | 3 | LDR-Unbiased | 0.833 | 0.835 | 0.002 |
| 25 | 3 | LDR-Unbiased | 0.835 | 0.831 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.835 | 0.831 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.835 | 0.829 | -0.006 |
| 46 | 10 | LDR-Biased | 0.837 | 0.839 | 0.002 |
| 48 | 10 | LDR-Biased | 0.839 | 0.835 | -0.004 |
| 49 | 10 | LDR-Biased | 0.835 | 0.841 | 0.006 |
| 50 | 10 | LDR-Biased | 0.835 | 0.839 | 0.004 |
| 51 | 10 | LDR-Biased | 0.839 | 0.833 | -0.006 |
| 52 | 10 | LDR-Unbiased | 0.839 | 0.833 | -0.006 |
| 53 | 10 | LDR-Unbiased | 0.833 | 0.831 | -0.002 |
| 55 | 10 | LDR-Unbiased | 0.835 | 0.829 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.835 | 0.827 | -0.008 |
| 57 | 10 | LDR-Unbiased | 0.835 | 0.825 | -0.01 |
| 76 | 30 | LDR-Biased | 0.837 | 0.824 | -0.013 |
| 78 | 30 | LDR-Biased | 0.839 | 0.831 | -0.008 |
| 79 | 30 | LDR-Biased | 0.835 | 0.825 | -0.01 |
| 80 | 30 | LDR-Biased | 0.835 | 0.824 | -0.011 |
| 81 | 30 | LDR-Biased | 0.839 | 0.818 | -0.021 |
| 82 | 30 | LDR-Unbiased | 0.839 | 0.818 | -0.021 |
| 83 | 30 | LDR-Unbiased | 0.833 | 0.818 | -0.015 |
| 84 | 30 | LDR-Unbiased | 0.835 | 0.81 | -0.025 |
| 85 | 30 | LDR-Unbiased | 0.835 | 0.812 | -0.023 |
| 86 | 30 | LDR-Unbiased | 0.835 | 0.81 | -0.025 |
| 87 | 100 | LDR-Biased | 0.839 | 0.775 | -0.064 |
| 88 | 100 | LDR-Biased | 0.837 | 0.835 | -0.002 |
| 90 | 100 | LDR-Biased | 0.837 | 0.835 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.839 | 0.773 | -0.066 |
| 93 | 100 | LDR-Unbiased | 0.839 | 0.781 | -0.058 |
| 94 | 100 | LDR-Unbiased | 0.837 | 0.781 | -0.056 |
| 95 | 100 | LDR-Unbiased | 0.829 | 0.775 | -0.054 |
| 96 | 100 | LDR-Unbiased | 0.835 | 0.773 | -0.062 |
| 106 | 50 | LDR-Biased | 0.837 | 0.814 | -0.023 |
| 108 | 50 | LDR-Biased | 0.839 | 0.818 | -0.021 |
| 109 | 50 | LDR-Biased | 0.835 | 0.814 | -0.021 |
| 110 | 50 | LDR-Biased | 0.835 | 0.824 | -0.011 |
| 111 | 50 | LDR-Biased | 0.839 | 0.806 | -0.033 |
| 112 | 50 | LDR-Unbiased | 0.839 | 0.806 | -0.033 |
| 113 | 50 | LDR-Unbiased | 0.833 | 0.806 | -0.027 |
| 115 | 50 | LDR-Unbiased | 0.835 | 0.8 | -0.035 |
| 116 | 50 | LDR-Unbiased | 0.835 | 0.798 | -0.037 |
| 117 | 50 | LDR-Unbiased | 0.835 | 0.798 | -0.037 |

Test Statistics (V)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.835 | 0.836 | 0.837 | 0.0014142 | 0.835 | 0.836 | 0.837 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.833 | 0.8362 | 0.839 | 0.0021499 | 0.829 | 0.8352 | 0.841 | 0.0040497 | -0.006 | -0.001 | 0.006 | 0.0042426 |
| 10 | 0.833 | 0.8362 | 0.839 | 0.0021499 | 0.825 | 0.8332 | 0.841 | 0.0053707 | -0.01 | -0.003 | 0.006 | 0.0053541 |
| 30 | 0.833 | 0.8362 | 0.839 | 0.0021499 | 0.81 | 0.819 | 0.831 | 0.0070238 | -0.025 | -0.0172 | -0.008 | 0.0065115 |
| 50 | 0.833 | 0.8362 | 0.839 | 0.0021499 | 0.798 | 0.8084 | 0.824 | 0.0088343 | -0.037 | -0.0278 | -0.011 | 0.0086513 |
| 100 | 0.829 | 0.8365 | 0.839 | 0.0033381 | 0.773 | 0.791 | 0.835 | 0.027339 | -0.066 | -0.0455 | -0.002 | 0.027145 |

# Device Test: 6.144 VTURNOFF_SENSE2/SENSE2//3/0/0/0/@VTURN_OFF



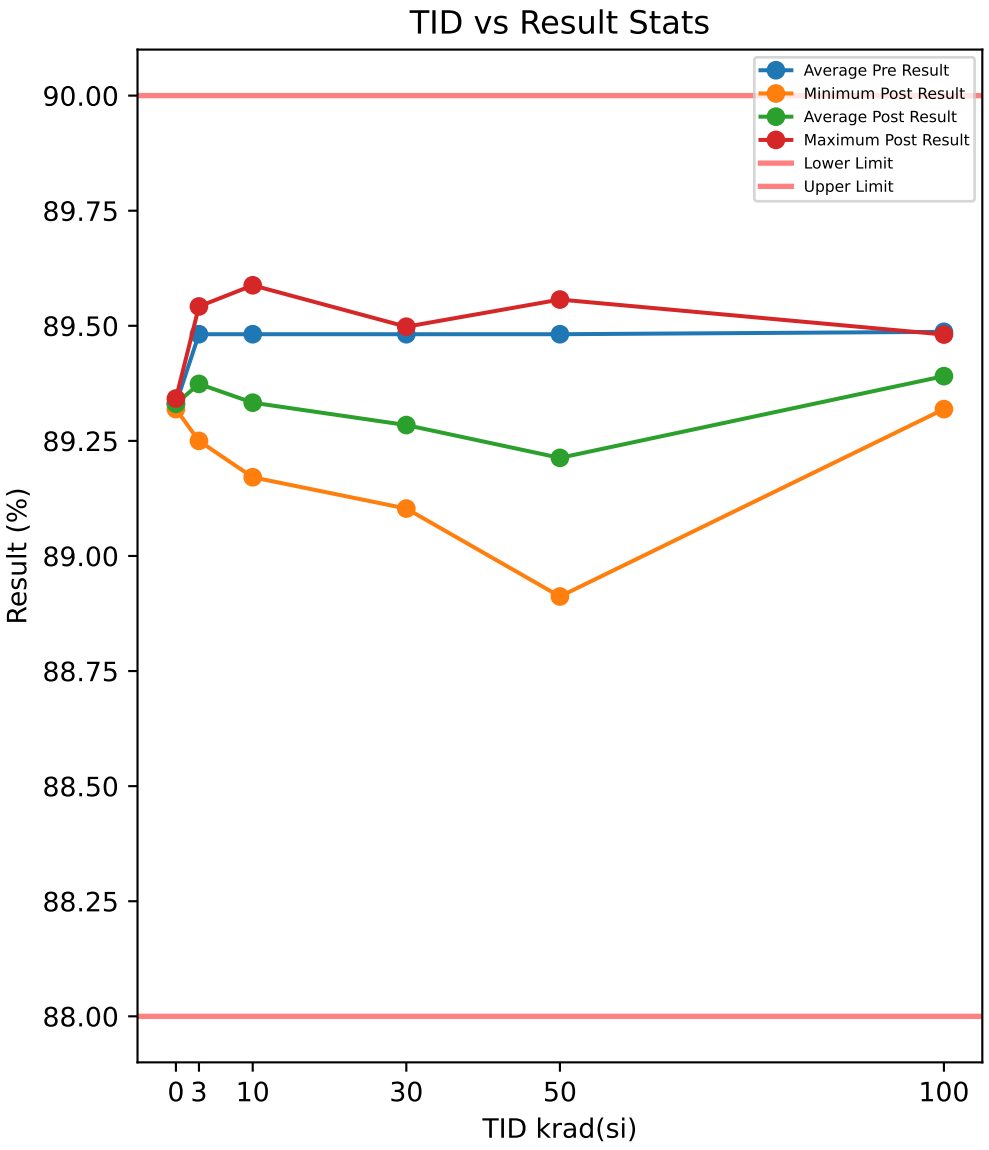

Test Results (Lower Limit = 88.0, Upper Limit = 90.0 (%))

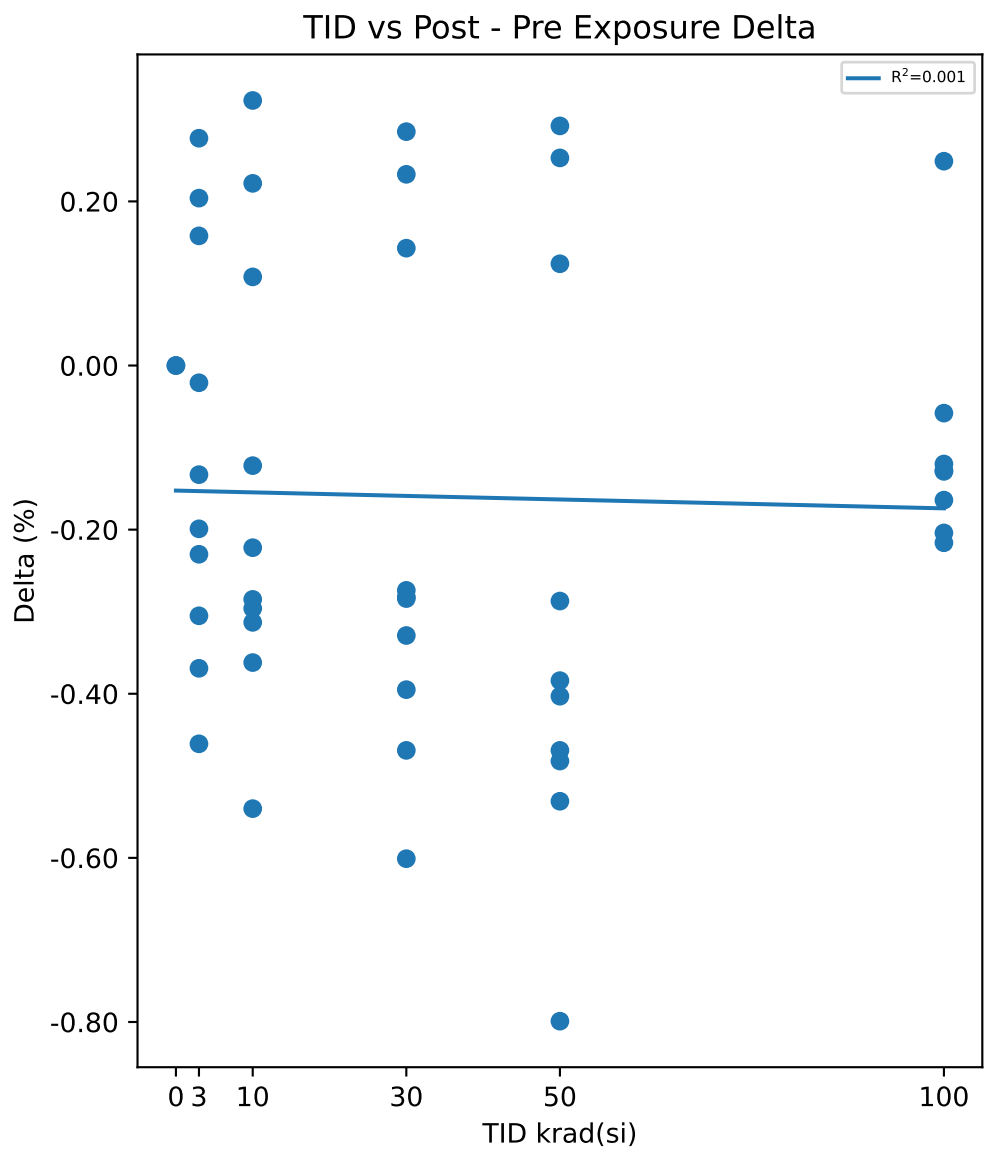
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 89.005 | 89.005 | 0 |
| 7 | 0 | Correlation | 88.842 | 88.842 | 0 |
| 16 | 3 | LDR-Biased | 89.099 | 89.216 | 0.117 |
| 18 | 3 | LDR-Biased | 89.001 | 89.105 | 0.104 |
| 19 | 3 | LDR-Biased | 89.17 | 89.192 | 0.022 |
| 20 | 3 | LDR-Biased | 89.207 | 89.186 | -0.021 |
| 21 | 3 | LDR-Biased | 89.279 | 89.142 | -0.137 |
| 22 | 3 | LDR-Unbiased | 89.212 | 89.093 | -0.119 |
| 23 | 3 | LDR-Unbiased | 89.142 | 89.097 | -0.045 |
| 25 | 3 | LDR-Unbiased | 89.262 | 89.165 | -0.097 |
| 26 | 3 | LDR-Unbiased | 89.158 | 89.126 | -0.032 |
| 27 | 3 | LDR-Unbiased | 89.015 | 89.275 | 0.26 |
| 46 | 10 | LDR-Biased | 89.099 | 89.126 | 0.027 |
| 48 | 10 | LDR-Biased | 89.001 | 88.942 | -0.059 |
| 49 | 10 | LDR-Biased | 89.17 | 89.172 | 0.002 |
| 50 | 10 | LDR-Biased | 89.207 | 89.109 | -0.098 |
| 51 | 10 | LDR-Biased | 89.279 | 89.056 | -0.223 |
| 52 | 10 | LDR-Unbiased | 89.212 | 89.163 | -0.049 |
| 53 | 10 | LDR-Unbiased | 89.142 | 89.241 | 0.099 |
| 55 | 10 | LDR-Unbiased | 89.262 | 89.147 | -0.115 |
| 56 | 10 | LDR-Unbiased | 89.158 | 89.203 | 0.045 |
| 57 | 10 | LDR-Unbiased | 89.015 | 89.161 | 0.146 |
| 76 | 30 | LDR-Biased | 89.099 | 89.003 | -0.096 |
| 78 | 30 | LDR-Biased | 89.001 | 88.978 | -0.023 |
| 79 | 30 | LDR-Biased | 89.17 | 89.026 | -0.144 |
| 80 | 30 | LDR-Biased | 89.207 | 89.044 | -0.163 |
| 81 | 30 | LDR-Biased | 89.279 | 88.887 | -0.392 |
| 82 | 30 | LDR-Unbiased | 89.212 | 89.055 | -0.157 |
| 83 | 30 | LDR-Unbiased | 89.142 | 89.117 | -0.025 |
| 84 | 30 | LDR-Unbiased | 89.015 | 89.234 | 0.219 |
| 85 | 30 | LDR-Unbiased | 89.262 | 89.188 | -0.074 |
| 86 | 30 | LDR-Unbiased | 89.158 | 89.237 | 0.079 |
| 87 | 100 | LDR-Biased | 89.142 | 89.2 | 0.058 |
| 88 | 100 | LDR-Biased | 89.159 | 89.005 | -0.154 |
| 90 | 100 | LDR-Biased | 89.063 | 89.006 | -0.057 |
| 91 | 100 | LDR-Unbiased | 89.085 | 89.131 | 0.046 |
| 93 | 100 | LDR-Unbiased | 89.219 | 89.022 | -0.197 |
| 94 | 100 | LDR-Unbiased | 89.097 | 89.35 | 0.253 |
| 95 | 100 | LDR-Unbiased | 89.041 | 88.973 | -0.068 |
| 96 | 100 | LDR-Unbiased | 88.953 | 89.293 | 0.34 |
| 106 | 50 | LDR-Biased | 89.099 | 88.907 | -0.192 |
| 108 | 50 | LDR-Biased | 89.001 | 88.912 | -0.089 |
| 109 | 50 | LDR-Biased | 89.17 | 88.891 | -0.279 |
| 110 | 50 | LDR-Biased | 89.207 | 89.1 | -0.107 |
| 111 | 50 | LDR-Biased | 89.279 | 88.872 | -0.407 |
| 112 | 50 | LDR-Unbiased | 89.212 | 89.17 | -0.042 |
| 113 | 50 | LDR-Unbiased | 89.142 | 89.146 | 0.004 |
| 115 | 50 | LDR-Unbiased | 89.262 | 89.178 | -0.084 |
| 116 | 50 | LDR-Unbiased | 89.158 | 89.155 | -0.003 |
| 117 | 50 | LDR-Unbiased | 89.015 | 89.168 | 0.153 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 88.842 | 88.923 | 89.005 | 0.11526 | 88.842 | 88.923 | 89.005 | 0.11526 | 0 | 0 | 0 | 0 |
| 3 | 89.001 | 89.154 | 89.279 | 0.094063 | 89.093 | 89.16 | 89.275 | 0.058735 | -0.137 | 0.0052 | 0.26 | 0.12389 |
| 10 | 89.001 | 89.154 | 89.279 | 0.094063 | 88.942 | 89.132 | 89.241 | 0.083659 | -0.223 | -0.0225 | 0.146 | 0.10916 |
| 30 | 89.001 | 89.154 | 89.279 | 0.094063 | 88.887 | 89.077 | 89.237 | 0.11534 | -0.392 | -0.0776 | 0.219 | 0.16174 |
| 50 | 89.001 | 89.154 | 89.279 | 0.094063 | 88.872 | 89.05 | 89.178 | 0.13495 | -0.407 | -0.1046 | 0.153 | 0.15726 |
| 100 | 88.953 | 89.095 | 89.219 | 0.080966 | 88.973 | 89.123 | 89.35 | 0.14478 | -0.197 | 0.027625 | 0.34 | 0.18875 |

# Device Test: 6.145 VTURNOFF_SENSE3/SENSE3//3/0/0/0/@VTURN_OFF



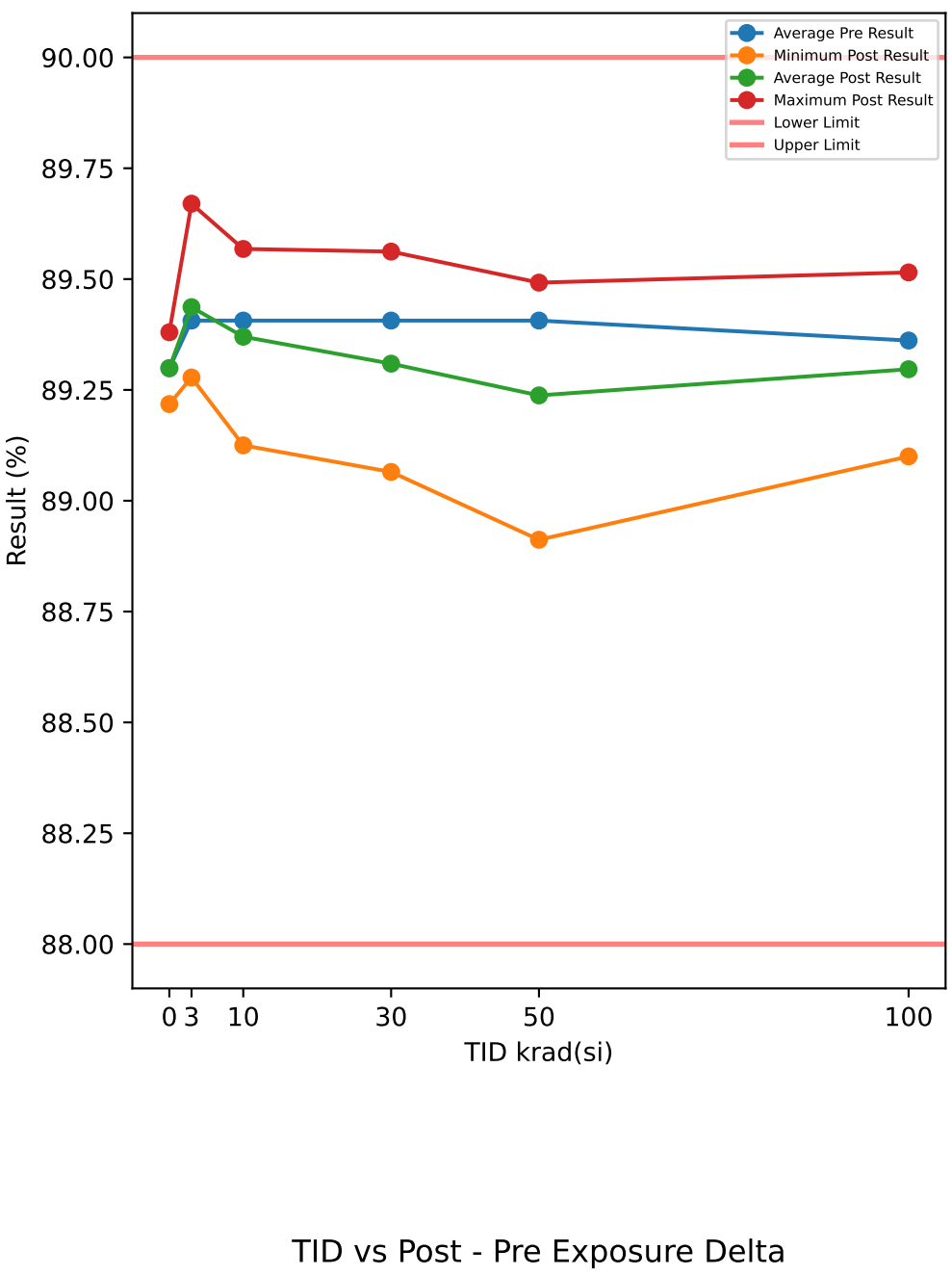

Test Results (Lower Limit = 88.0, Upper Limit = 90.0 (%))

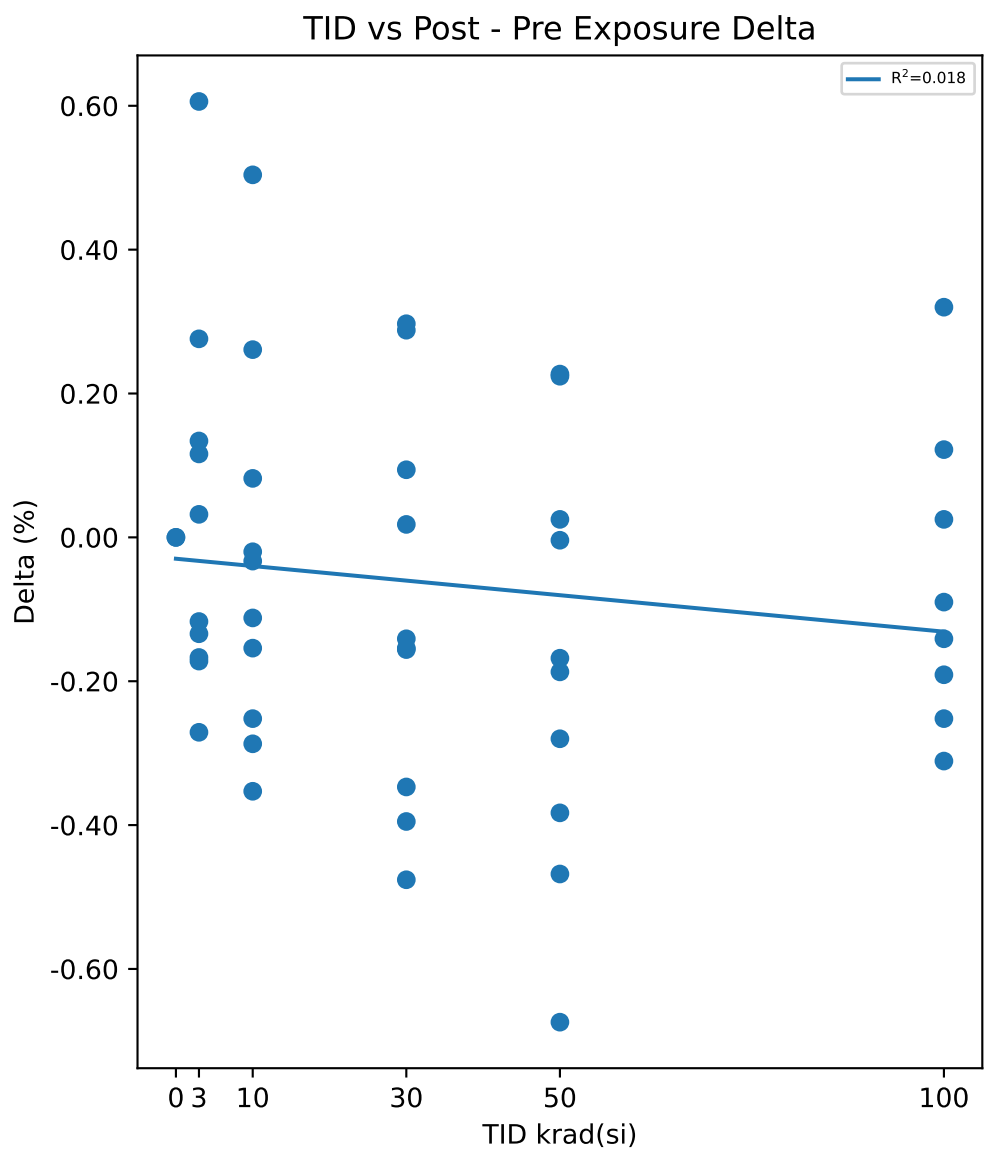
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 89.319 | 89.319 | 0 |
| 7 | 0 | Correlation | 89.342 | 89.342 | 0 |
| 16 | 3 | LDR-Biased | 89.537 | 89.404 | -0.133 |
| 18 | 3 | LDR-Biased | 89.377 | 89.356 | -0.021 |
| 19 | 3 | LDR-Biased | 89.609 | 89.379 | -0.23 |
| 20 | 3 | LDR-Biased | 89.711 | 89.25 | -0.461 |
| 21 | 3 | LDR-Biased | 89.467 | 89.268 | -0.199 |
| 22 | 3 | LDR-Unbiased | 89.652 | 89.283 | -0.369 |
| 23 | 3 | LDR-Unbiased | 89.208 | 89.412 | 0.204 |
| 25 | 3 | LDR-Unbiased | 89.265 | 89.542 | 0.277 |
| 26 | 3 | LDR-Unbiased | 89.346 | 89.504 | 0.158 |
| 27 | 3 | LDR-Unbiased | 89.645 | 89.34 | -0.305 |
| 46 | 10 | LDR-Biased | 89.537 | 89.315 | -0.222 |
| 48 | 10 | LDR-Biased | 89.377 | 89.255 | -0.122 |
| 49 | 10 | LDR-Biased | 89.609 | 89.296 | -0.313 |
| 50 | 10 | LDR-Biased | 89.711 | 89.171 | -0.54 |
| 51 | 10 | LDR-Biased | 89.467 | 89.182 | -0.285 |
| 52 | 10 | LDR-Unbiased | 89.652 | 89.29 | -0.362 |
| 53 | 10 | LDR-Unbiased | 89.208 | 89.43 | 0.222 |
| 55 | 10 | LDR-Unbiased | 89.265 | 89.588 | 0.323 |
| 56 | 10 | LDR-Unbiased | 89.346 | 89.454 | 0.108 |
| 57 | 10 | LDR-Unbiased | 89.645 | 89.349 | -0.296 |
| 76 | 30 | LDR-Biased | 89.537 | 89.253 | -0.284 |
| 78 | 30 | LDR-Biased | 89.377 | 89.103 | -0.274 |
| 79 | 30 | LDR-Biased | 89.609 | 89.214 | -0.395 |
| 80 | 30 | LDR-Biased | 89.711 | 89.11 | -0.601 |
| 81 | 30 | LDR-Biased | 89.467 | 89.138 | -0.329 |
| 82 | 30 | LDR-Unbiased | 89.652 | 89.183 | -0.469 |
| 83 | 30 | LDR-Unbiased | 89.208 | 89.493 | 0.285 |
| 84 | 30 | LDR-Unbiased | 89.645 | 89.363 | -0.282 |
| 85 | 30 | LDR-Unbiased | 89.265 | 89.498 | 0.233 |
| 86 | 30 | LDR-Unbiased | 89.346 | 89.489 | 0.143 |
| 87 | 100 | LDR-Biased | 89.456 | 89.328 | -0.128 |
| 88 | 100 | LDR-Biased | 89.536 | 89.32 | -0.216 |
| 90 | 100 | LDR-Biased | 89.439 | 89.319 | -0.12 |
| 91 | 100 | LDR-Unbiased | 89.651 | 89.447 | -0.204 |
| 93 | 100 | LDR-Unbiased | 89.467 | 89.338 | -0.129 |
| 94 | 100 | LDR-Unbiased | 89.473 | 89.415 | -0.058 |
| 95 | 100 | LDR-Unbiased | 89.228 | 89.477 | 0.249 |
| 96 | 100 | LDR-Unbiased | 89.645 | 89.481 | -0.164 |
| 106 | 50 | LDR-Biased | 89.537 | 89.153 | -0.384 |
| 108 | 50 | LDR-Biased | 89.377 | 88.974 | -0.403 |
| 109 | 50 | LDR-Biased | 89.609 | 89.078 | -0.531 |
| 110 | 50 | LDR-Biased | 89.711 | 88.912 | -0.799 |
| 111 | 50 | LDR-Biased | 89.467 | 88.998 | -0.469 |
| 112 | 50 | LDR-Unbiased | 89.652 | 89.17 | -0.482 |
| 113 | 50 | LDR-Unbiased | 89.208 | 89.461 | 0.253 |
| 115 | 50 | LDR-Unbiased | 89.265 | 89.557 | 0.292 |
| 116 | 50 | LDR-Unbiased | 89.346 | 89.47 | 0.124 |
| 117 | 50 | LDR-Unbiased | 89.645 | 89.358 | -0.287 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 89.319 | 89.331 | 89.342 | 0.016263 | 89.319 | 89.331 | 89.342 | 0.016263 | 0 | 0 | 0 | 0 |
| 3 | 89.208 | 89.482 | 89.711 | 0.17606 | 89.25 | 89.374 | 89.542 | 0.096532 | -0.461 | -0.1079 | 0.277 | 0.25369 |
| 10 | 89.208 | 89.482 | 89.711 | 0.17606 | 89.171 | 89.333 | 89.588 | 0.12824 | -0.54 | -0.1487 | 0.323 | 0.27844 |
| 30 | 89.208 | 89.482 | 89.711 | 0.17606 | 89.103 | 89.284 | 89.498 | 0.16267 | -0.601 | -0.1973 | 0.285 | 0.30684 |
| 50 | 89.208 | 89.482 | 89.711 | 0.17606 | 88.912 | 89.213 | 89.557 | 0.23203 | -0.799 | -0.2686 | 0.292 | 0.36637 |
| 100 | 89.228 | 89.487 | 89.651 | 0.13374 | 89.319 | 89.391 | 89.481 | 0.071922 | -0.216 | -0.09625 | 0.249 | 0.14825 |

# Device Test: 6.146 VTURNOFF_SENSE4/SENSE4//3/0/0/0/@VTURN_OFF



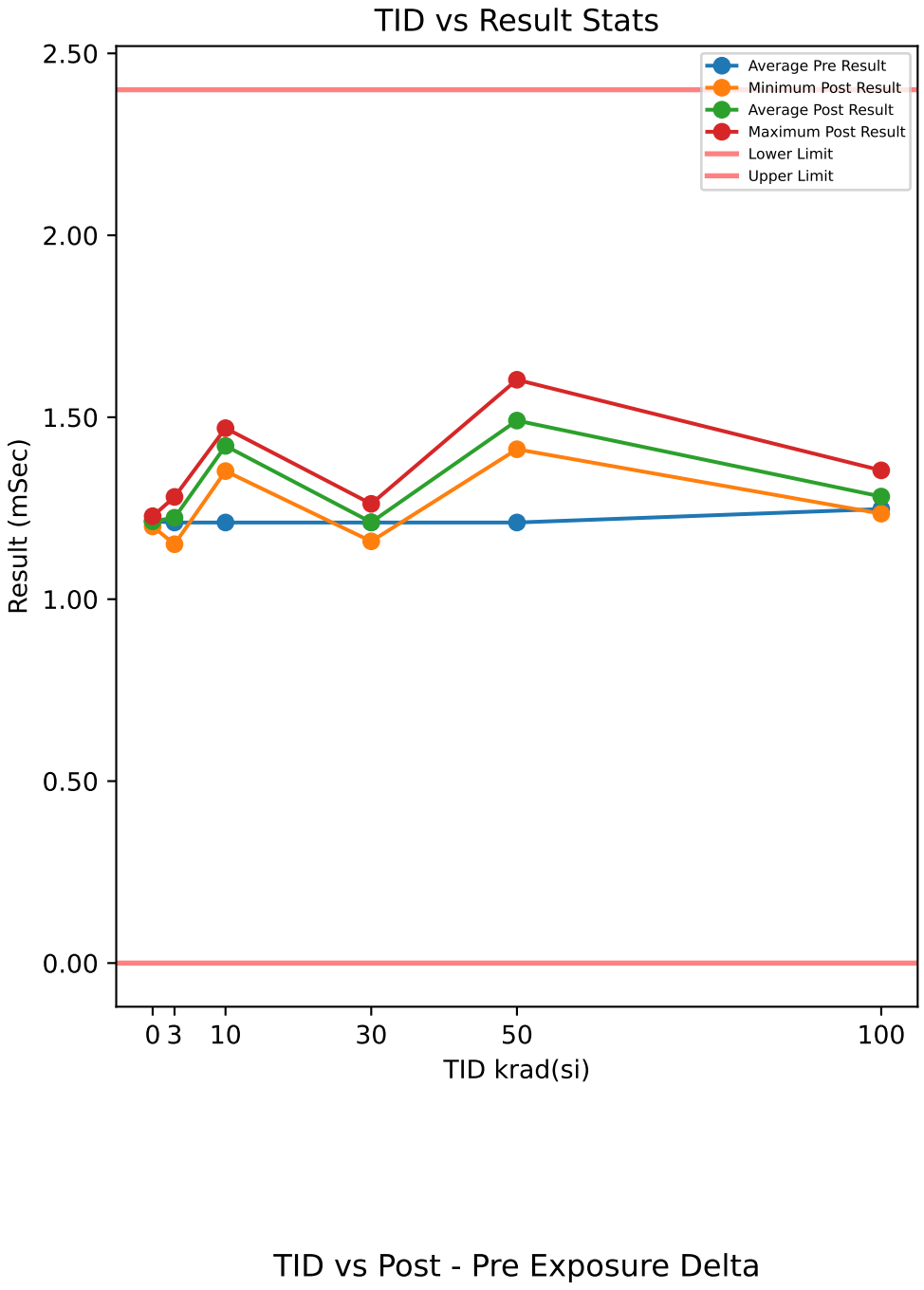

Test Results (Lower Limit = 88.0, Upper Limit = 90.0 (%))

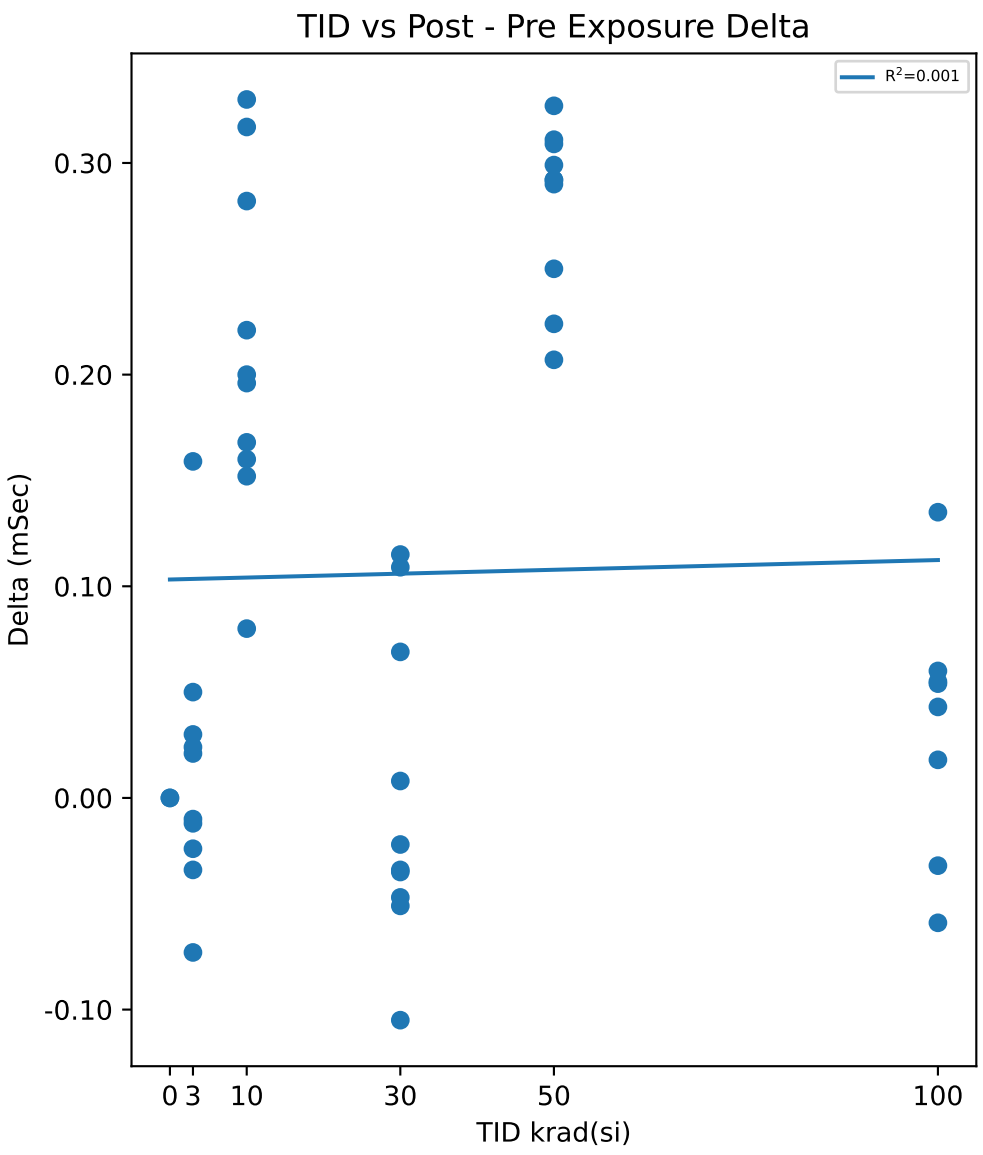
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 89.38 | 89.38 | 0 |
| 7 | 0 | Correlation | 89.218 | 89.218 | 0 |
| 16 | 3 | LDR-Biased | 89.412 | 89.278 | -0.134 |
| 18 | 3 | LDR-Biased | 89.064 | 89.67 | 0.606 |
| 19 | 3 | LDR-Biased | 89.483 | 89.316 | -0.167 |
| 20 | 3 | LDR-Biased | 89.586 | 89.315 | -0.271 |
| 21 | 3 | LDR-Biased | 89.342 | 89.458 | 0.116 |
| 22 | 3 | LDR-Unbiased | 89.463 | 89.346 | -0.117 |
| 23 | 3 | LDR-Unbiased | 89.583 | 89.411 | -0.172 |
| 25 | 3 | LDR-Unbiased | 89.265 | 89.541 | 0.276 |
| 26 | 3 | LDR-Unbiased | 89.472 | 89.504 | 0.032 |
| 27 | 3 | LDR-Unbiased | 89.394 | 89.528 | 0.134 |
| 46 | 10 | LDR-Biased | 89.412 | 89.125 | -0.287 |
| 48 | 10 | LDR-Biased | 89.064 | 89.568 | 0.504 |
| 49 | 10 | LDR-Biased | 89.483 | 89.231 | -0.252 |
| 50 | 10 | LDR-Biased | 89.586 | 89.233 | -0.353 |
| 51 | 10 | LDR-Biased | 89.342 | 89.309 | -0.033 |
| 52 | 10 | LDR-Unbiased | 89.463 | 89.351 | -0.112 |
| 53 | 10 | LDR-Unbiased | 89.583 | 89.429 | -0.154 |
| 55 | 10 | LDR-Unbiased | 89.265 | 89.526 | 0.261 |
| 56 | 10 | LDR-Unbiased | 89.472 | 89.452 | -0.02 |
| 57 | 10 | LDR-Unbiased | 89.394 | 89.476 | 0.082 |
| 76 | 30 | LDR-Biased | 89.412 | 89.065 | -0.347 |
| 78 | 30 | LDR-Biased | 89.064 | 89.352 | 0.288 |
| 79 | 30 | LDR-Biased | 89.483 | 89.088 | -0.395 |
| 80 | 30 | LDR-Biased | 89.586 | 89.11 | -0.476 |
| 81 | 30 | LDR-Biased | 89.342 | 89.201 | -0.141 |
| 82 | 30 | LDR-Unbiased | 89.463 | 89.307 | -0.156 |
| 83 | 30 | LDR-Unbiased | 89.583 | 89.429 | -0.154 |
| 84 | 30 | LDR-Unbiased | 89.394 | 89.488 | 0.094 |
| 85 | 30 | LDR-Unbiased | 89.265 | 89.562 | 0.297 |
| 86 | 30 | LDR-Unbiased | 89.472 | 89.49 | 0.018 |
| 87 | 100 | LDR-Biased | 89.393 | 89.515 | 0.122 |
| 88 | 100 | LDR-Biased | 89.41 | 89.32 | -0.09 |
| 90 | 100 | LDR-Biased | 89.063 | 89.383 | 0.32 |
| 91 | 100 | LDR-Unbiased | 89.525 | 89.384 | -0.141 |
| 93 | 100 | LDR-Unbiased | 89.342 | 89.151 | -0.191 |
| 94 | 100 | LDR-Unbiased | 89.411 | 89.1 | -0.311 |
| 95 | 100 | LDR-Unbiased | 89.353 | 89.101 | -0.252 |
| 96 | 100 | LDR-Unbiased | 89.394 | 89.419 | 0.025 |
| 106 | 50 | LDR-Biased | 89.412 | 89.029 | -0.383 |
| 108 | 50 | LDR-Biased | 89.064 | 89.288 | 0.224 |
| 109 | 50 | LDR-Biased | 89.483 | 89.015 | -0.468 |
| 110 | 50 | LDR-Biased | 89.586 | 88.912 | -0.674 |
| 111 | 50 | LDR-Biased | 89.342 | 89.062 | -0.28 |
| 112 | 50 | LDR-Unbiased | 89.463 | 89.295 | -0.168 |
| 113 | 50 | LDR-Unbiased | 89.583 | 89.396 | -0.187 |
| 115 | 50 | LDR-Unbiased | 89.265 | 89.492 | 0.227 |
| 116 | 50 | LDR-Unbiased | 89.472 | 89.468 | -0.004 |
| 117 | 50 | LDR-Unbiased | 89.394 | 89.419 | 0.025 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 89.218 | 89.299 | 89.38 | 0.11455 | 89.218 | 89.299 | 89.38 | 0.11455 | 0 | 0 | 0 | 0 |
| 3 | 89.064 | 89.406 | 89.586 | 0.15577 | 89.278 | 89.437 | 89.67 | 0.12564 | -0.271 | 0.0303 | 0.606 | 0.26441 |
| 10 | 89.064 | 89.406 | 89.586 | 0.15577 | 89.125 | 89.37 | 89.568 | 0.14421 | -0.353 | -0.0364 | 0.504 | 0.26328 |
| 30 | 89.064 | 89.406 | 89.586 | 0.15577 | 89.065 | 89.309 | 89.562 | 0.184 | -0.476 | -0.0972 | 0.297 | 0.27014 |
| 50 | 89.064 | 89.406 | 89.586 | 0.15577 | 88.912 | 89.238 | 89.492 | 0.21384 | -0.674 | -0.1688 | 0.227 | 0.2942 |
| 100 | 89.063 | 89.361 | 89.525 | 0.13263 | 89.1 | 89.297 | 89.515 | 0.15876 | -0.311 | -0.06475 | 0.32 | 0.21012 |

# Device Test: 6.147 T_start/IN//12/0/0/0/@T_SD



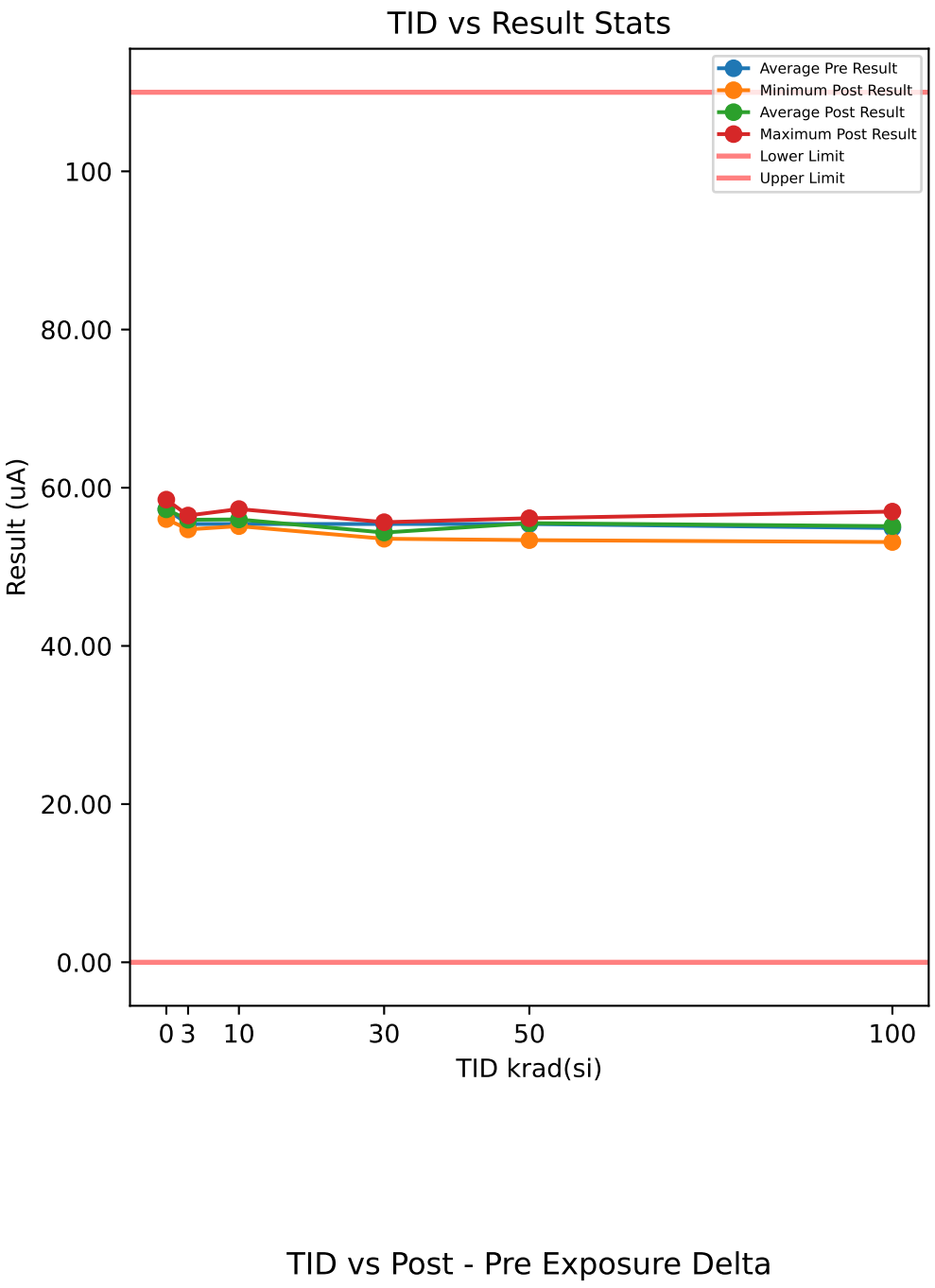

Test Results (Lower Limit = 0.0, Upper Limit = 2.4 (mSec))

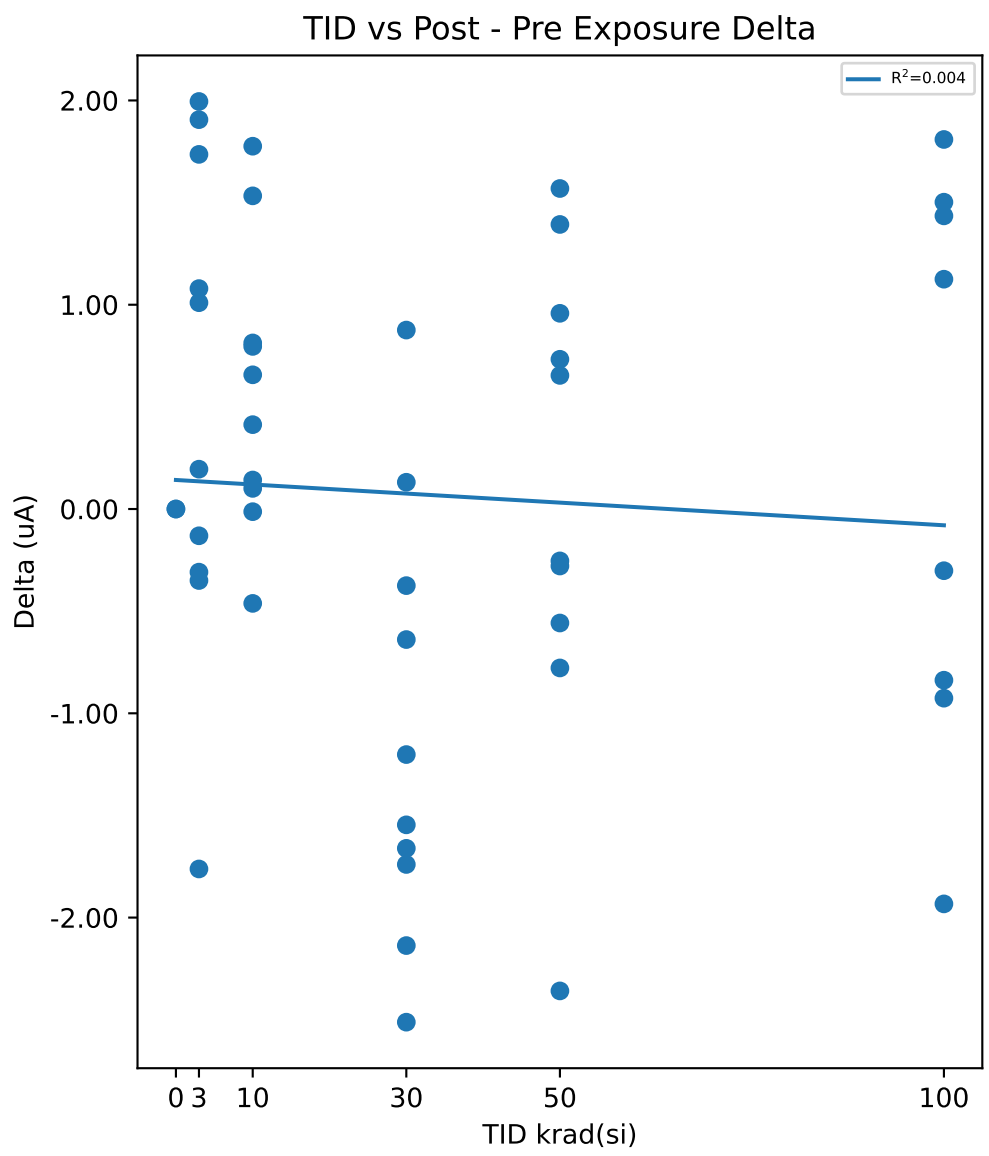
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.228 | 1.228 | 0 |
| 7 | 0 | Correlation | 1.2 | 1.2 | 0 |
| 16 | 3 | LDR-Biased | 1.235 | 1.256 | 0.021 |
| 18 | 3 | LDR-Biased | 1.311 | 1.277 | -0.034 |
| 19 | 3 | LDR-Biased | 1.26 | 1.236 | -0.024 |
| 20 | 3 | LDR-Biased | 1.206 | 1.194 | -0.012 |
| 21 | 3 | LDR-Biased | 1.2 | 1.224 | 0.024 |
| 22 | 3 | LDR-Unbiased | 1.224 | 1.151 | -0.073 |
| 23 | 3 | LDR-Unbiased | 1.153 | 1.183 | 0.03 |
| 25 | 3 | LDR-Unbiased | 1.184 | 1.234 | 0.05 |
| 26 | 3 | LDR-Unbiased | 1.212 | 1.202 | -0.01 |
| 27 | 3 | LDR-Unbiased | 1.122 | 1.281 | 0.159 |
| 46 | 10 | LDR-Biased | 1.235 | 1.431 | 0.196 |
| 48 | 10 | LDR-Biased | 1.311 | 1.391 | 0.08 |
| 49 | 10 | LDR-Biased | 1.26 | 1.428 | 0.168 |
| 50 | 10 | LDR-Biased | 1.206 | 1.427 | 0.221 |
| 51 | 10 | LDR-Biased | 1.2 | 1.352 | 0.152 |
| 52 | 10 | LDR-Unbiased | 1.224 | 1.424 | 0.2 |
| 53 | 10 | LDR-Unbiased | 1.153 | 1.47 | 0.317 |
| 55 | 10 | LDR-Unbiased | 1.184 | 1.466 | 0.282 |
| 56 | 10 | LDR-Unbiased | 1.212 | 1.372 | 0.16 |
| 57 | 10 | LDR-Unbiased | 1.122 | 1.452 | 0.33 |
| 76 | 30 | LDR-Biased | 1.235 | 1.184 | -0.051 |
| 78 | 30 | LDR-Biased | 1.311 | 1.206 | -0.105 |
| 79 | 30 | LDR-Biased | 1.26 | 1.225 | -0.035 |
| 80 | 30 | LDR-Biased | 1.206 | 1.159 | -0.047 |
| 81 | 30 | LDR-Biased | 1.2 | 1.178 | -0.022 |
| 82 | 30 | LDR-Unbiased | 1.224 | 1.232 | 0.008 |
| 83 | 30 | LDR-Unbiased | 1.153 | 1.262 | 0.109 |
| 84 | 30 | LDR-Unbiased | 1.122 | 1.237 | 0.115 |
| 85 | 30 | LDR-Unbiased | 1.184 | 1.253 | 0.069 |
| 86 | 30 | LDR-Unbiased | 1.212 | 1.178 | -0.034 |
| 87 | 100 | LDR-Biased | 1.219 | 1.354 | 0.135 |
| 88 | 100 | LDR-Biased | 1.249 | 1.303 | 0.054 |
| 90 | 100 | LDR-Biased | 1.267 | 1.235 | -0.032 |
| 91 | 100 | LDR-Unbiased | 1.22 | 1.275 | 0.055 |
| 93 | 100 | LDR-Unbiased | 1.299 | 1.24 | -0.059 |
| 94 | 100 | LDR-Unbiased | 1.288 | 1.306 | 0.018 |
| 95 | 100 | LDR-Unbiased | 1.219 | 1.262 | 0.043 |
| 96 | 100 | LDR-Unbiased | 1.221 | 1.281 | 0.06 |
| 106 | 50 | LDR-Biased | 1.235 | 1.562 | 0.327 |
| 108 | 50 | LDR-Biased | 1.311 | 1.603 | 0.292 |
| 109 | 50 | LDR-Biased | 1.26 | 1.484 | 0.224 |
| 110 | 50 | LDR-Biased | 1.206 | 1.413 | 0.207 |
| 111 | 50 | LDR-Biased | 1.2 | 1.45 | 0.25 |
| 112 | 50 | LDR-Unbiased | 1.224 | 1.523 | 0.299 |
| 113 | 50 | LDR-Unbiased | 1.153 | 1.464 | 0.311 |
| 115 | 50 | LDR-Unbiased | 1.184 | 1.476 | 0.292 |
| 116 | 50 | LDR-Unbiased | 1.212 | 1.521 | 0.309 |
| 117 | 50 | LDR-Unbiased | 1.122 | 1.412 | 0.29 |

Test Statistics (mSec)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.2 | 1.214 | 1.228 | 0.019799 | 1.2 | 1.214 | 1.228 | 0.019799 | 0 | 0 | 0 | 0 |
| 3 | 1.122 | 1.2107 | 1.311 | 0.053026 | 1.151 | 1.2238 | 1.281 | 0.041793 | -0.073 | 0.0131 | 0.159 | 0.062616 |
| 10 | 1.122 | 1.2107 | 1.311 | 0.053026 | 1.352 | 1.4213 | 1.47 | 0.038933 | 0.08 | 0.2106 | 0.33 | 0.078863 |
| 30 | 1.122 | 1.2107 | 1.311 | 0.053026 | 1.159 | 1.2114 | 1.262 | 0.035453 | -0.105 | 0.0007 | 0.115 | 0.073504 |
| 50 | 1.122 | 1.2107 | 1.311 | 0.053026 | 1.412 | 1.4908 | 1.603 | 0.06193 | 0.207 | 0.2801 | 0.327 | 0.039616 |
| 100 | 1.219 | 1.2477 | 1.299 | 0.03329 | 1.235 | 1.282 | 1.354 | 0.038958 | -0.059 | 0.03425 | 0.135 | 0.059833 |

# Device Test: 6.148 LEAK_PU1_MIN/PULLUP1//////@PULL_UP_LKG



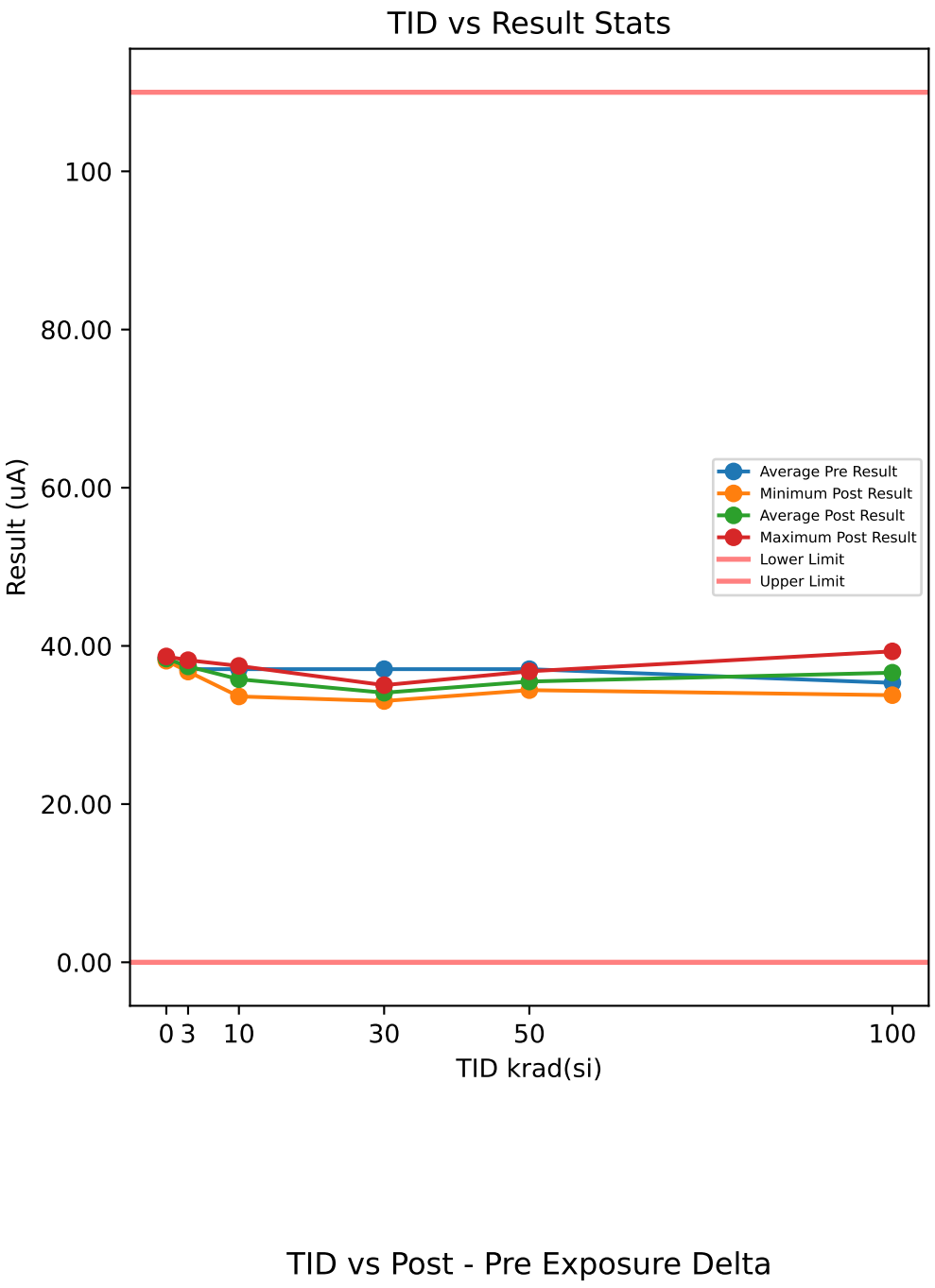

Test Results (Lower Limit = 0.0, Upper Limit = 110.0 (uA))

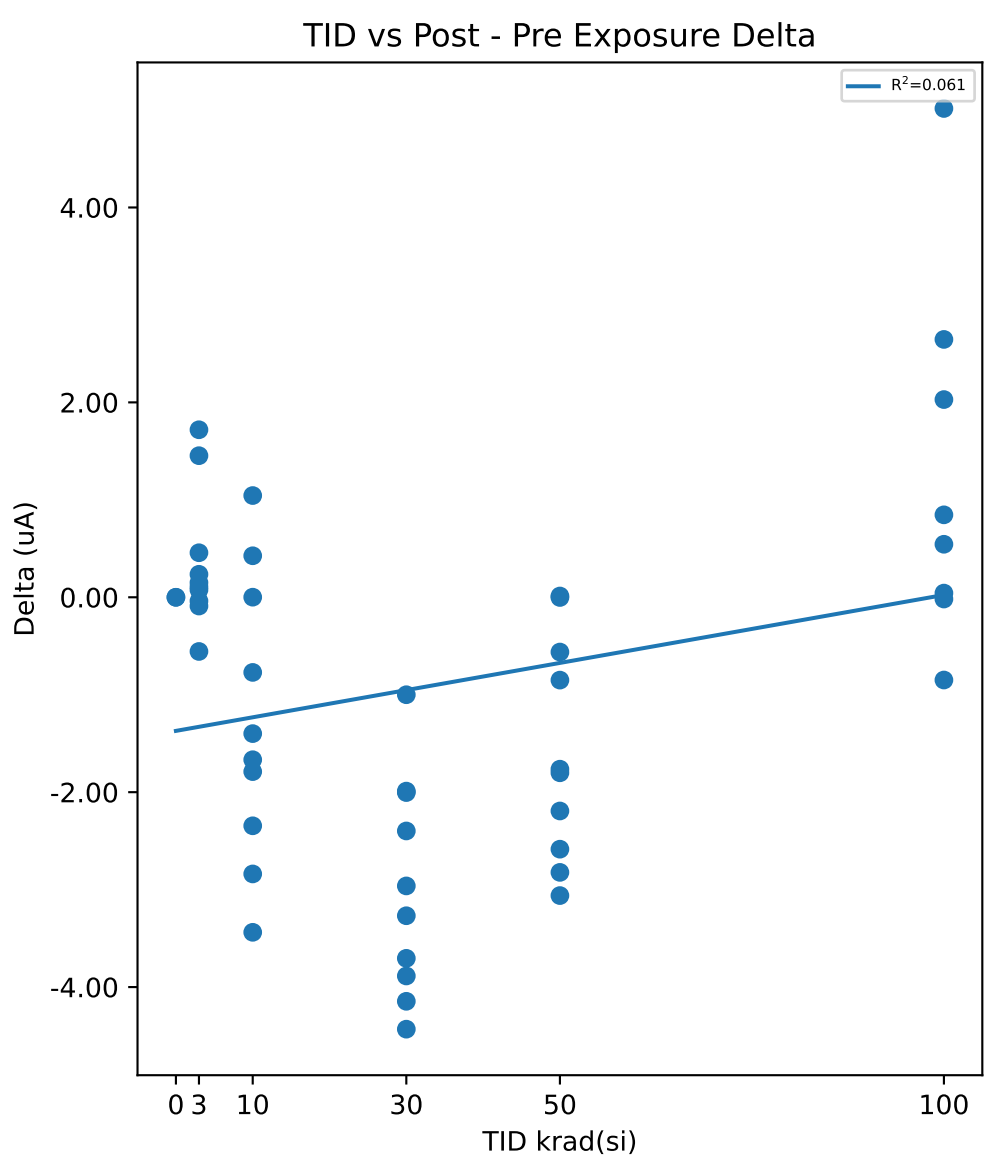
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 58.495 | 58.495 | 0 |
| 7 | 0 | Correlation | 56.034 | 56.034 | 0 |
| 16 | 3 | LDR-Biased | 56.461 | 56.111 | -0.35 |
| 18 | 3 | LDR-Biased | 54.751 | 56.487 | 1.736 |
| 19 | 3 | LDR-Biased | 54.828 | 55.907 | 1.079 |
| 20 | 3 | LDR-Biased | 55.349 | 56.359 | 1.01 |
| 21 | 3 | LDR-Biased | 56.492 | 54.73 | -1.762 |
| 22 | 3 | LDR-Unbiased | 56.016 | 55.885 | -0.131 |
| 23 | 3 | LDR-Unbiased | 54.283 | 56.278 | 1.995 |
| 25 | 3 | LDR-Unbiased | 55.731 | 55.422 | -0.309 |
| 26 | 3 | LDR-Unbiased | 55.866 | 56.061 | 0.195 |
| 27 | 3 | LDR-Unbiased | 54.345 | 56.251 | 1.906 |
| 46 | 10 | LDR-Biased | 56.461 | 56.562 | 0.101 |
| 48 | 10 | LDR-Biased | 54.751 | 55.408 | 0.657 |
| 49 | 10 | LDR-Biased | 54.828 | 56.604 | 1.776 |
| 50 | 10 | LDR-Biased | 55.349 | 55.762 | 0.413 |
| 51 | 10 | LDR-Biased | 56.492 | 57.305 | 0.813 |
| 52 | 10 | LDR-Unbiased | 56.016 | 56.003 | -0.013 |
| 53 | 10 | LDR-Unbiased | 54.283 | 55.816 | 1.533 |
| 55 | 10 | LDR-Unbiased | 55.731 | 55.873 | 0.142 |
| 56 | 10 | LDR-Unbiased | 55.866 | 55.404 | -0.462 |
| 57 | 10 | LDR-Unbiased | 54.345 | 55.141 | 0.796 |
| 76 | 30 | LDR-Biased | 56.461 | 53.949 | -2.512 |
| 78 | 30 | LDR-Biased | 54.751 | 53.549 | -1.202 |
| 79 | 30 | LDR-Biased | 54.828 | 54.189 | -0.639 |
| 80 | 30 | LDR-Biased | 55.349 | 53.803 | -1.546 |
| 81 | 30 | LDR-Biased | 56.492 | 54.355 | -2.137 |
| 82 | 30 | LDR-Unbiased | 56.016 | 55.641 | -0.375 |
| 83 | 30 | LDR-Unbiased | 54.283 | 54.414 | 0.131 |
| 84 | 30 | LDR-Unbiased | 54.345 | 55.221 | 0.876 |
| 85 | 30 | LDR-Unbiased | 55.731 | 53.991 | -1.74 |
| 86 | 30 | LDR-Unbiased | 55.866 | 54.205 | -1.661 |
| 87 | 100 | LDR-Biased | 54.456 | 56.265 | 1.809 |
| 88 | 100 | LDR-Biased | 55.329 | 54.491 | -0.838 |
| 90 | 100 | LDR-Biased | 55.37 | 56.495 | 1.125 |
| 91 | 100 | LDR-Unbiased | 55.546 | 56.981 | 1.435 |
| 93 | 100 | LDR-Unbiased | 55.522 | 53.589 | -1.933 |
| 94 | 100 | LDR-Unbiased | 53.435 | 53.133 | -0.302 |
| 95 | 100 | LDR-Unbiased | 54.448 | 55.95 | 1.502 |
| 96 | 100 | LDR-Unbiased | 55.129 | 54.203 | -0.926 |
| 106 | 50 | LDR-Biased | 56.461 | 55.683 | -0.778 |
| 108 | 50 | LDR-Biased | 54.751 | 56.144 | 1.393 |
| 109 | 50 | LDR-Biased | 54.828 | 55.482 | 0.654 |
| 110 | 50 | LDR-Biased | 55.349 | 56.082 | 0.733 |
| 111 | 50 | LDR-Biased | 56.492 | 55.934 | -0.558 |
| 112 | 50 | LDR-Unbiased | 56.016 | 55.737 | -0.279 |
| 113 | 50 | LDR-Unbiased | 54.283 | 55.852 | 1.569 |
| 115 | 50 | LDR-Unbiased | 55.731 | 53.372 | -2.359 |
| 116 | 50 | LDR-Unbiased | 55.866 | 55.612 | -0.254 |
| 117 | 50 | LDR-Unbiased | 54.345 | 55.303 | 0.958 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 56.034 | 57.264 | 58.495 | 1.7402 | 56.034 | 57.264 | 58.495 | 1.7402 | 0 | 0 | 0 | 0 |
| 3 | 54.283 | 55.412 | 56.492 | 0.8256 | 54.73 | 55.949 | 56.487 | 0.52338 | -1.762 | 0.5369 | 1.995 | 1.2159 |
| 10 | 54.283 | 55.412 | 56.492 | 0.8256 | 55.141 | 55.988 | 57.305 | 0.66101 | -0.462 | 0.5756 | 1.776 | 0.69377 |
| 30 | 54.283 | 55.412 | 56.492 | 0.8256 | 53.549 | 54.332 | 55.641 | 0.64149 | -2.512 | -1.0805 | 0.876 | 1.0623 |
| 50 | 54.283 | 55.412 | 56.492 | 0.8256 | 53.372 | 55.52 | 56.144 | 0.79801 | -2.359 | 0.1079 | 1.569 | 1.1922 |
| 100 | 53.435 | 54.904 | 55.546 | 0.73767 | 53.133 | 55.138 | 56.981 | 1.458 | -1.933 | 0.234 | 1.809 | 1.4042 |

# Device Test: 6.149 LEAK_PU2_MIN/PULLUP1//////@PULL_UP_LKG



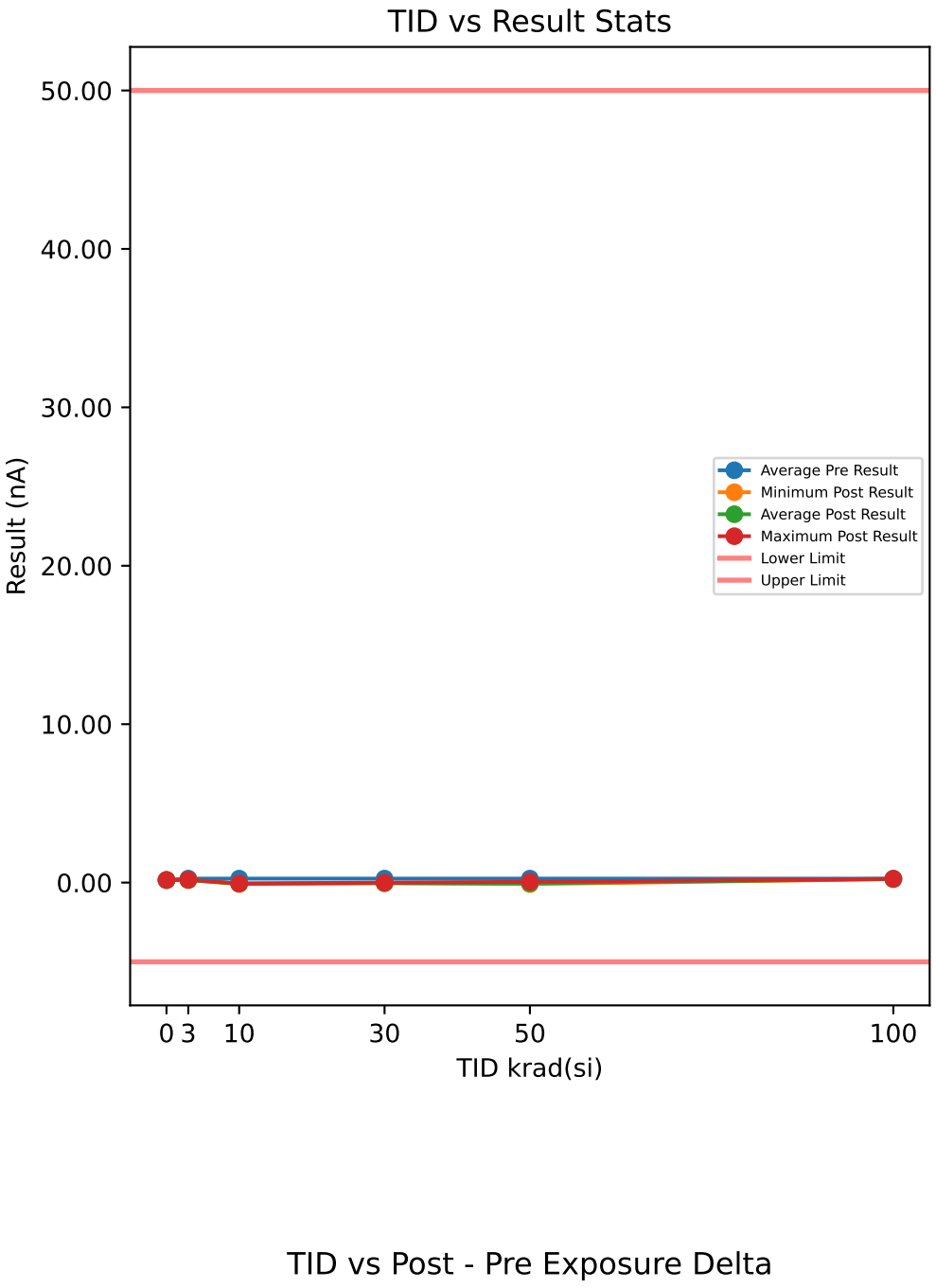

Test Results (Lower Limit = 0.0, Upper Limit = 110.0 (uA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 38.126 | 38.126 | 0 |
| 7 | 0 | Correlation | 38.668 | 38.668 | 0 |
| 16 | 3 | LDR-Biased | 38.577 | 38.021 | -0.556 |
| 18 | 3 | LDR-Biased | 37.958 | 38.194 | 0.236 |
| 19 | 3 | LDR-Biased | 37.545 | 37.695 | 0.15 |
| 20 | 3 | LDR-Biased | 37.352 | 37.459 | 0.107 |
| 21 | 3 | LDR-Biased | 37.47 | 37.432 | -0.038 |
| 22 | 3 | LDR-Unbiased | 37.048 | 37.505 | 0.457 |
| 23 | 3 | LDR-Unbiased | 37.05 | 37.126 | 0.076 |
| 25 | 3 | LDR-Unbiased | 35.036 | 36.755 | 1.719 |
| 26 | 3 | LDR-Unbiased | 35.541 | 36.994 | 1.453 |
| 27 | 3 | LDR-Unbiased | 37.027 | 36.937 | -0.09 |
| 46 | 10 | LDR-Biased | 38.577 | 35.738 | -2.839 |
| 48 | 10 | LDR-Biased | 37.958 | 36.291 | -1.667 |
| 49 | 10 | LDR-Biased | 37.545 | 35.2 | -2.345 |
| 50 | 10 | LDR-Biased | 37.352 | 35.563 | -1.789 |
| 51 | 10 | LDR-Biased | 37.47 | 37.471 | 0.001 |
| 52 | 10 | LDR-Unbiased | 37.048 | 33.61 | -3.438 |
| 53 | 10 | LDR-Unbiased | 37.05 | 36.279 | -0.771 |
| 55 | 10 | LDR-Unbiased | 35.036 | 36.08 | 1.044 |
| 56 | 10 | LDR-Unbiased | 35.541 | 35.967 | 0.426 |
| 57 | 10 | LDR-Unbiased | 37.027 | 35.628 | -1.399 |
| 76 | 30 | LDR-Biased | 38.577 | 34.145 | -4.432 |
| 78 | 30 | LDR-Biased | 37.958 | 34.996 | -2.962 |
| 79 | 30 | LDR-Biased | 37.545 | 33.84 | -3.705 |
| 80 | 30 | LDR-Biased | 37.352 | 33.206 | -4.146 |
| 81 | 30 | LDR-Biased | 37.47 | 34.202 | -3.268 |
| 82 | 30 | LDR-Unbiased | 37.048 | 34.65 | -2.398 |
| 83 | 30 | LDR-Unbiased | 37.05 | 33.164 | -3.886 |
| 84 | 30 | LDR-Unbiased | 37.027 | 35.038 | -1.989 |
| 85 | 30 | LDR-Unbiased | 35.036 | 33.032 | -2.004 |
| 86 | 30 | LDR-Unbiased | 35.541 | 34.541 | -1 |
| 87 | 100 | LDR-Biased | 35.405 | 37.434 | 2.029 |
| 88 | 100 | LDR-Biased | 36.664 | 39.31 | 2.646 |
| 90 | 100 | LDR-Biased | 36.279 | 36.322 | 0.043 |
| 91 | 100 | LDR-Unbiased | 36.326 | 35.477 | -0.849 |
| 93 | 100 | LDR-Unbiased | 31.559 | 36.575 | 5.016 |
| 94 | 100 | LDR-Unbiased | 33.791 | 33.773 | -0.018 |
| 95 | 100 | LDR-Unbiased | 36.335 | 37.181 | 0.846 |
| 96 | 100 | LDR-Unbiased | 36.272 | 36.816 | 0.544 |
| 106 | 50 | LDR-Biased | 38.577 | 35.754 | -2.823 |
| 108 | 50 | LDR-Biased | 37.958 | 36.194 | -1.764 |
| 109 | 50 | LDR-Biased | 37.545 | 34.96 | -2.585 |
| 110 | 50 | LDR-Biased | 37.352 | 36.79 | -0.562 |
| 111 | 50 | LDR-Biased | 37.47 | 34.409 | -3.061 |
| 112 | 50 | LDR-Unbiased | 37.048 | 34.855 | -2.193 |
| 113 | 50 | LDR-Unbiased | 37.05 | 35.249 | -1.801 |
| 115 | 50 | LDR-Unbiased | 35.036 | 35.034 | -0.002 |
| 116 | 50 | LDR-Unbiased | 35.541 | 35.554 | 0.013 |
| 117 | 50 | LDR-Unbiased | 37.027 | 36.177 | -0.85 |

Test Statistics (uA)

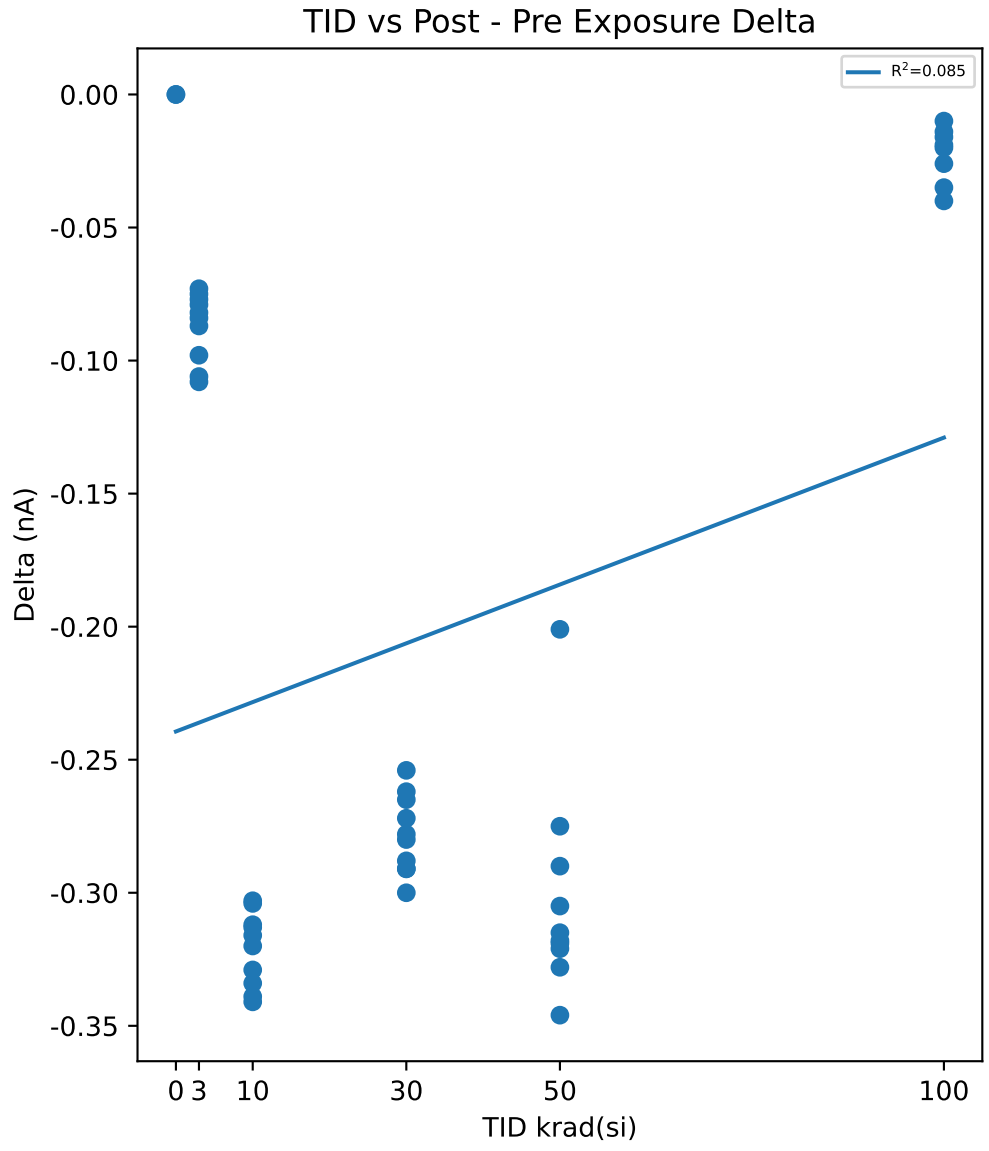
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 38.126 | 38.397 | 38.668 | 0.38325 | 38.126 | 38.397 | 38.668 | 0.38325 | 0 | 0 | 0 | 0 |
| 3 | 35.036 | 37.06 | 38.577 | 1.0542 | 36.755 | 37.412 | 38.194 | 0.46993 | -0.556 | 0.3514 | 1.719 | 0.70351 |
| 10 | 35.036 | 37.06 | 38.577 | 1.0542 | 33.61 | 35.783 | 37.471 | 0.97819 | -3.438 | -1.2777 | 1.044 | 1.4475 |
| 30 | 35.036 | 37.06 | 38.577 | 1.0542 | 33.032 | 34.081 | 35.038 | 0.75072 | -4.432 | -2.979 | -1 | 1.1101 |
| 50 | 35.036 | 37.06 | 38.577 | 1.0542 | 34.409 | 35.498 | 36.79 | 0.73405 | -3.061 | -1.5628 | 0.013 | 1.1451 |
| 100 | 31.559 | 35.329 | 36.664 | 1.7794 | 33.773 | 36.611 | 39.31 | 1.5926 | -0.849 | 1.2821 | 5.016 | 1.8846 |

# Device Test: 6.15 ILKG_DOWNb/DOWNb//14/0/0/0/@ILKG_UP_DOWN




Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

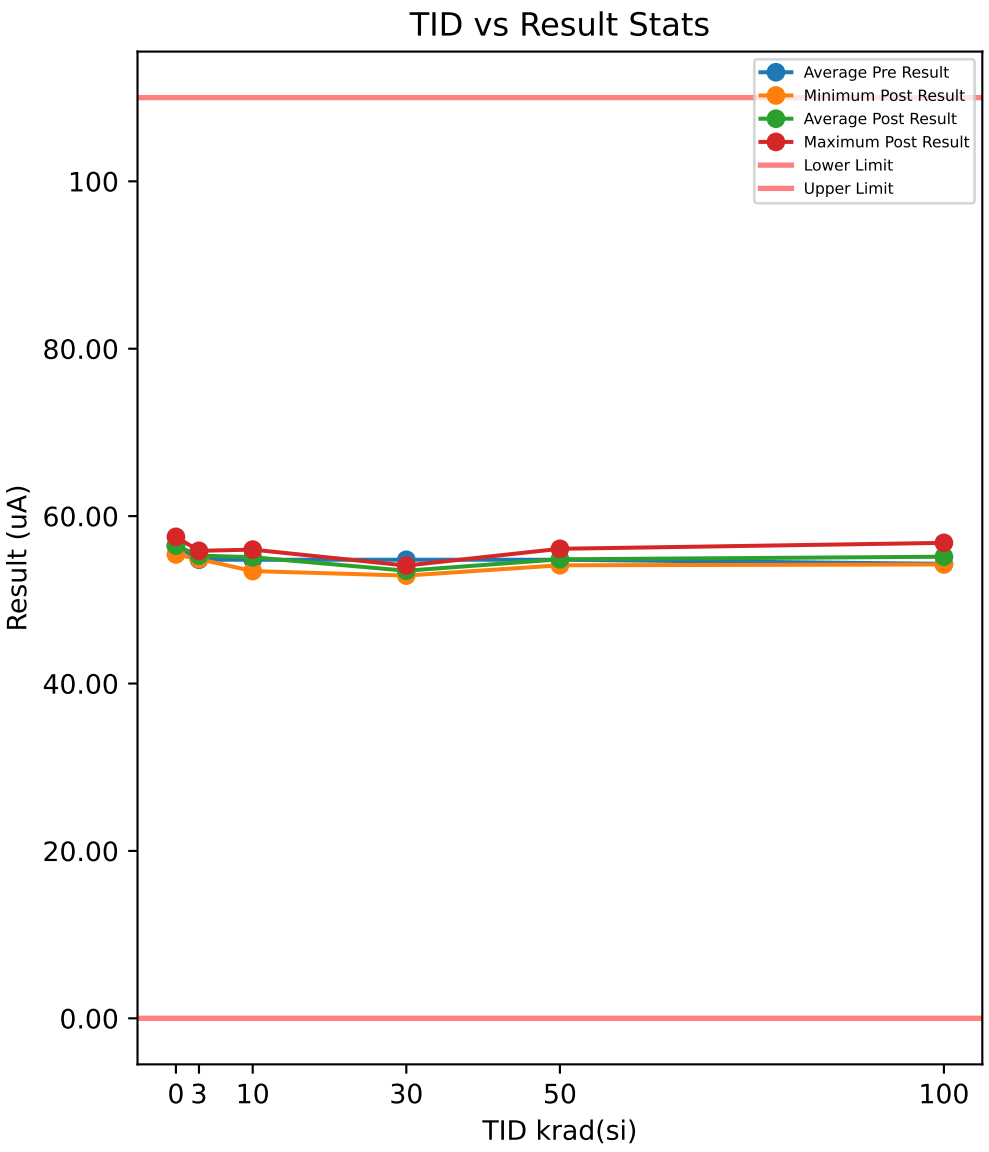
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.163 | 0.163 | 0 |
| 7 | 0 | Correlation | 0.16 | 0.16 | 0 |
| 16 | 3 | LDR-Biased | 0.253 | 0.169 | -0.084 |
| 18 | 3 | LDR-Biased | 0.243 | 0.168 | -0.075 |
| 19 | 3 | LDR-Biased | 0.264 | 0.156 | -0.108 |
| 20 | 3 | LDR-Biased | 0.265 | 0.159 | -0.106 |
| 21 | 3 | LDR-Biased | 0.244 | 0.157 | -0.087 |
| 22 | 3 | LDR-Unbiased | 0.238 | 0.161 | -0.077 |
| 23 | 3 | LDR-Unbiased | 0.255 | 0.157 | -0.098 |
| 25 | 3 | LDR-Unbiased | 0.254 | 0.181 | -0.073 |
| 26 | 3 | LDR-Unbiased | 0.253 | 0.174 | -0.079 |
| 27 | 3 | LDR-Unbiased | 0.248 | 0.166 | -0.082 |
| 46 | 10 | LDR-Biased | 0.253 | -0.059 | -0.312 |
| 48 | 10 | LDR-Biased | 0.243 | -0.06 | -0.303 |
| 49 | 10 | LDR-Biased | 0.264 | -0.065 | -0.329 |
| 50 | 10 | LDR-Biased | 0.265 | -0.074 | -0.339 |
| 51 | 10 | LDR-Biased | 0.244 | -0.069 | -0.313 |
| 52 | 10 | LDR-Unbiased | 0.238 | -0.082 | -0.32 |
| 53 | 10 | LDR-Unbiased | 0.255 | -0.086 | -0.341 |
| 55 | 10 | LDR-Unbiased | 0.254 | -0.062 | -0.316 |
| 56 | 10 | LDR-Unbiased | 0.253 | -0.081 | -0.334 |
| 57 | 10 | LDR-Unbiased | 0.248 | -0.056 | -0.304 |
| 76 | 30 | LDR-Biased | 0.253 | -0.001 | -0.254 |
| 78 | 30 | LDR-Biased | 0.243 | -0.035 | -0.278 |
| 79 | 30 | LDR-Biased | 0.264 | -0.027 | -0.291 |
| 80 | 30 | LDR-Biased | 0.265 | -0.026 | -0.291 |
| 81 | 30 | LDR-Biased | 0.244 | -0.018 | -0.262 |
| 82 | 30 | LDR-Unbiased | 0.238 | -0.034 | -0.272 |
| 83 | 30 | LDR-Unbiased | 0.255 | -0.033 | -0.288 |
| 84 | 30 | LDR-Unbiased | 0.248 | -0.017 | -0.265 |
| 85 | 30 | LDR-Unbiased | 0.254 | -0.046 | -0.3 |
| 86 | 30 | LDR-Unbiased | 0.253 | -0.027 | -0.28 |
| 87 | 100 | LDR-Biased | 0.241 | 0.222 | -0.019 |
| 88 | 100 | LDR-Biased | 0.261 | 0.221 | -0.04 |
| 90 | 100 | LDR-Biased | 0.247 | 0.221 | -0.026 |
| 91 | 100 | LDR-Unbiased | 0.239 | 0.225 | -0.014 |
| 93 | 100 | LDR-Unbiased | 0.247 | 0.227 | -0.02 |
| 94 | 100 | LDR-Unbiased | 0.254 | 0.219 | -0.035 |
| 95 | 100 | LDR-Unbiased | 0.249 | 0.233 | -0.016 |
| 96 | 100 | LDR-Unbiased | 0.247 | 0.237 | -0.01 |
| 106 | 50 | LDR-Biased | 0.253 | -0.052 | -0.305 |
| 108 | 50 | LDR-Biased | 0.243 | -0.032 | -0.275 |
| 109 | 50 | LDR-Biased | 0.264 | -0.055 | -0.319 |
| 110 | 50 | LDR-Biased | 0.265 | -0.063 | -0.328 |
| 111 | 50 | LDR-Biased | 0.244 | -0.074 | -0.318 |
| 112 | 50 | LDR-Unbiased | 0.238 | -0.052 | -0.29 |
| 113 | 50 | LDR-Unbiased | 0.255 | -0.06 | -0.315 |
| 115 | 50 | LDR-Unbiased | 0.254 | -0.092 | -0.346 |
| 116 | 50 | LDR-Unbiased | 0.253 | -0.068 | -0.321 |
| 117 | 50 | LDR-Unbiased | 0.248 | 0.047 | -0.201 |

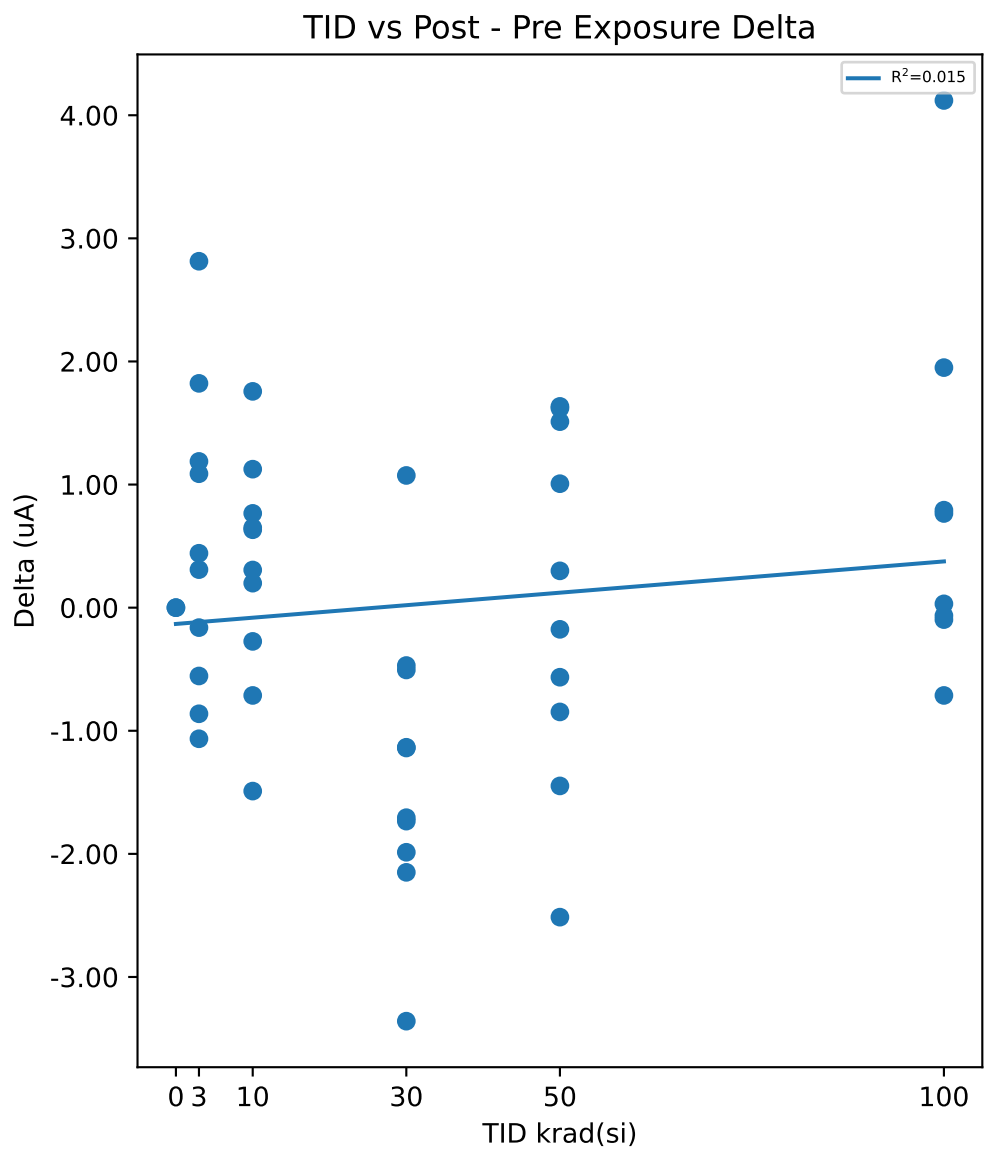



Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.16 | 0.1615 | 0.163 | 0.0021213 | 0.16 | 0.1615 | 0.163 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 0.238 | 0.2517 | 0.265 | 0.0087184 | 0.156 | 0.1648 | 0.181 | 0.008324 | -0.108 | -0.0869 | -0.073 | 0.012741 |
| 10 | 0.238 | 0.2517 | 0.265 | 0.0087184 | -0.086 | -0.0694 | -0.056 | 0.010752 | -0.341 | -0.3211 | -0.303 | 0.013908 |
| 30 | 0.238 | 0.2517 | 0.265 | 0.0087184 | -0.046 | -0.0264 | -0.001 | 0.012313 | -0.3 | -0.2781 | -0.254 | 0.014768 |
| 50 | 0.238 | 0.2517 | 0.265 | 0.0087184 | -0.092 | -0.0501 | 0.047 | 0.037563 | -0.346 | -0.3018 | -0.201 | 0.04051 |
| 100 | 0.239 | 0.24812 | 0.261 | 0.0069578 | 0.219 | 0.22562 | 0.237 | 0.0063906 | -0.04 | -0.0225 | -0.01 | 0.010447 |

# Device Test: 6.150 LEAK_PU1_MAX/PULLUP1//////@PULL_UP_LKG



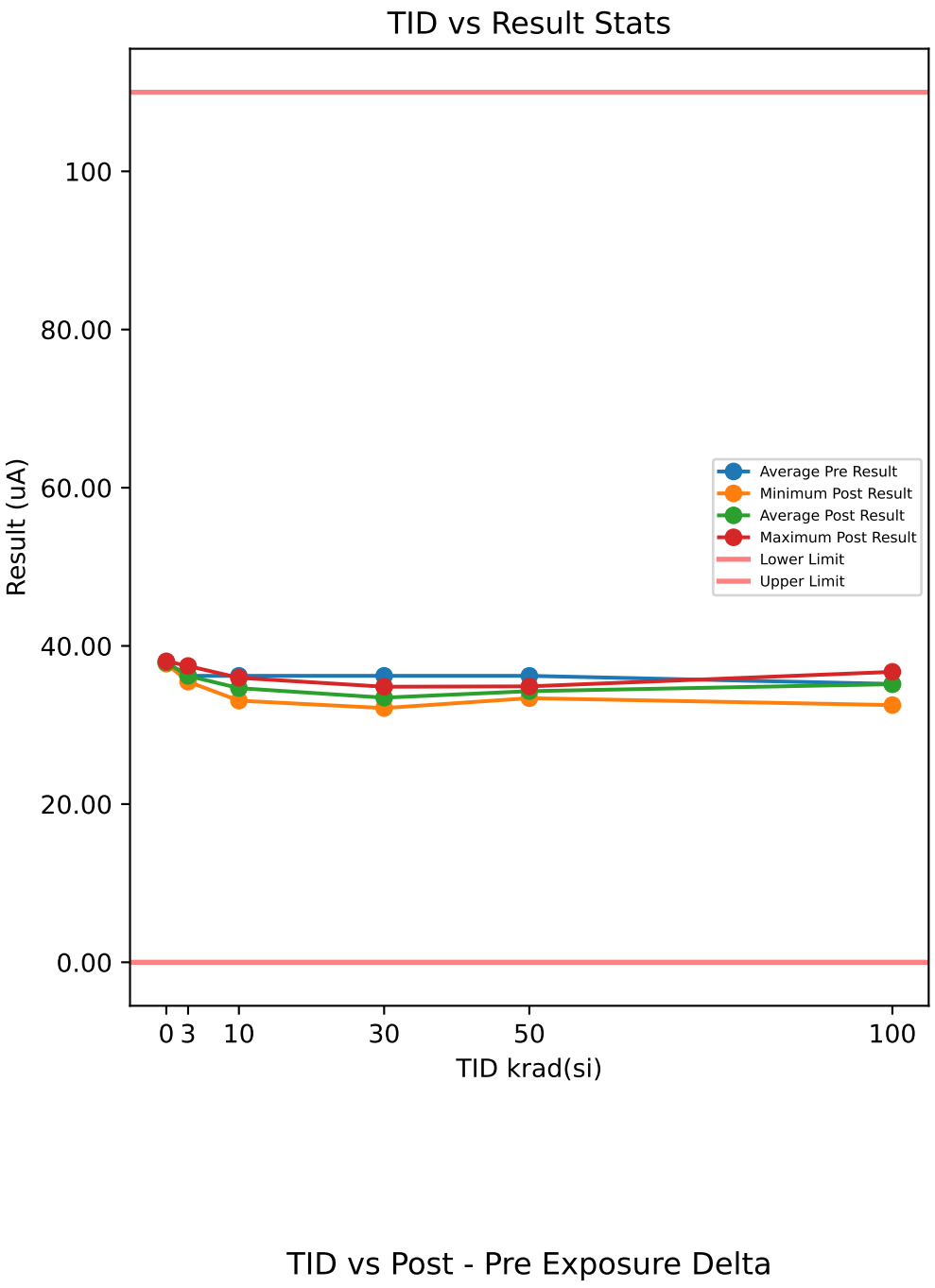

Test Results (Lower Limit = 0.0, Upper Limit = 110.0 (uA))

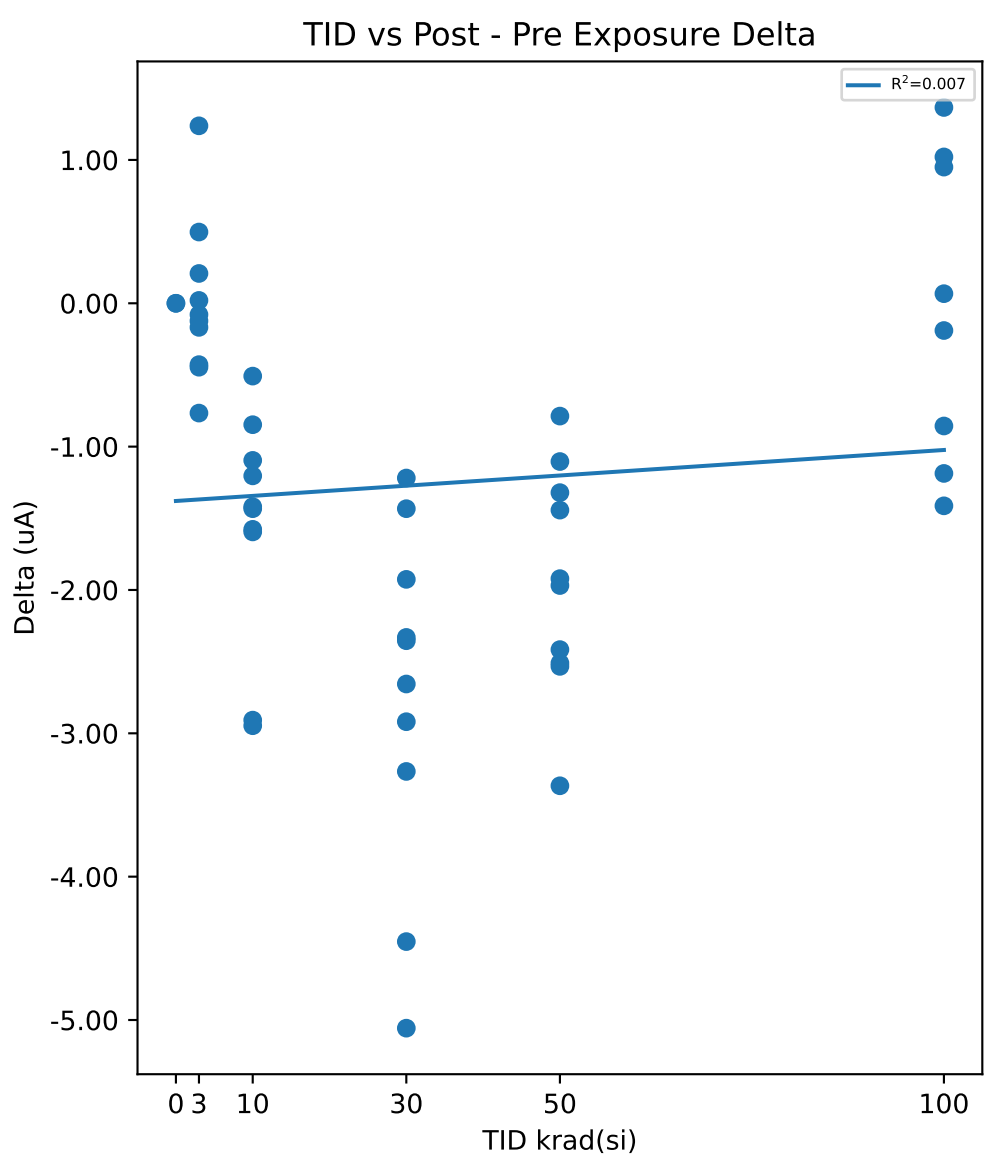
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 57.523 | 57.523 | 0 |
| 7 | 0 | Correlation | 55.419 | 55.419 | 0 |
| 16 | 3 | LDR-Biased | 56.64 | 55.575 | -1.065 |
| 18 | 3 | LDR-Biased | 55.799 | 55.244 | -0.555 |
| 19 | 3 | LDR-Biased | 54.031 | 55.853 | 1.822 |
| 20 | 3 | LDR-Biased | 54.07 | 55.258 | 1.188 |
| 21 | 3 | LDR-Biased | 55.808 | 54.946 | -0.862 |
| 22 | 3 | LDR-Unbiased | 52.669 | 55.483 | 2.814 |
| 23 | 3 | LDR-Unbiased | 55.129 | 55.571 | 0.442 |
| 25 | 3 | LDR-Unbiased | 55.071 | 54.909 | -0.162 |
| 26 | 3 | LDR-Unbiased | 54.108 | 55.196 | 1.088 |
| 27 | 3 | LDR-Unbiased | 54.554 | 54.863 | 0.309 |
| 46 | 10 | LDR-Biased | 56.64 | 55.15 | -1.49 |
| 48 | 10 | LDR-Biased | 55.799 | 55.998 | 0.199 |
| 49 | 10 | LDR-Biased | 54.031 | 55.788 | 1.757 |
| 50 | 10 | LDR-Biased | 54.07 | 54.703 | 0.633 |
| 51 | 10 | LDR-Biased | 55.808 | 55.095 | -0.713 |
| 52 | 10 | LDR-Unbiased | 52.669 | 53.435 | 0.766 |
| 53 | 10 | LDR-Unbiased | 55.129 | 55.435 | 0.306 |
| 55 | 10 | LDR-Unbiased | 55.071 | 54.797 | -0.274 |
| 56 | 10 | LDR-Unbiased | 54.108 | 55.233 | 1.125 |
| 57 | 10 | LDR-Unbiased | 54.554 | 55.204 | 0.65 |
| 76 | 30 | LDR-Biased | 56.64 | 53.281 | -3.359 |
| 78 | 30 | LDR-Biased | 55.799 | 54.093 | -1.706 |
| 79 | 30 | LDR-Biased | 54.031 | 52.897 | -1.134 |
| 80 | 30 | LDR-Biased | 54.07 | 53.6 | -0.47 |
| 81 | 30 | LDR-Biased | 55.808 | 54.074 | -1.734 |
| 82 | 30 | LDR-Unbiased | 52.669 | 53.743 | 1.074 |
| 83 | 30 | LDR-Unbiased | 55.129 | 52.979 | -2.15 |
| 84 | 30 | LDR-Unbiased | 54.554 | 53.414 | -1.14 |
| 85 | 30 | LDR-Unbiased | 55.071 | 53.084 | -1.987 |
| 86 | 30 | LDR-Unbiased | 54.108 | 53.602 | -0.506 |
| 87 | 100 | LDR-Biased | 54.785 | 55.577 | 0.792 |
| 88 | 100 | LDR-Biased | 54.855 | 56.805 | 1.95 |
| 90 | 100 | LDR-Biased | 54.985 | 54.888 | -0.097 |
| 91 | 100 | LDR-Unbiased | 52.182 | 56.302 | 4.12 |
| 93 | 100 | LDR-Unbiased | 54.938 | 54.225 | -0.713 |
| 94 | 100 | LDR-Unbiased | 53.93 | 54.695 | 0.765 |
| 95 | 100 | LDR-Unbiased | 54.371 | 54.402 | 0.031 |
| 96 | 100 | LDR-Unbiased | 54.362 | 54.297 | -0.065 |
| 106 | 50 | LDR-Biased | 56.64 | 54.126 | -2.514 |
| 108 | 50 | LDR-Biased | 55.799 | 56.098 | 0.299 |
| 109 | 50 | LDR-Biased | 54.031 | 55.542 | 1.511 |
| 110 | 50 | LDR-Biased | 54.07 | 55.077 | 1.007 |
| 111 | 50 | LDR-Biased | 55.808 | 54.36 | -1.448 |
| 112 | 50 | LDR-Unbiased | 52.669 | 54.304 | 1.635 |
| 113 | 50 | LDR-Unbiased | 55.129 | 54.564 | -0.565 |
| 115 | 50 | LDR-Unbiased | 55.071 | 54.224 | -0.847 |
| 116 | 50 | LDR-Unbiased | 54.108 | 55.728 | 1.62 |
| 117 | 50 | LDR-Unbiased | 54.554 | 54.378 | -0.176 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 55.419 | 56.471 | 57.523 | 1.4878 | 55.419 | 56.471 | 57.523 | 1.4878 | 0 | 0 | 0 | 0 |
| 3 | 52.669 | 54.788 | 56.64 | 1.1443 | 54.863 | 55.29 | 55.853 | 0.32867 | -1.065 | 0.5019 | 2.814 | 1.239 |
| 10 | 52.669 | 54.788 | 56.64 | 1.1443 | 53.435 | 55.084 | 55.998 | 0.70254 | -1.49 | 0.2959 | 1.757 | 0.93237 |
| 30 | 52.669 | 54.788 | 56.64 | 1.1443 | 52.897 | 53.477 | 54.093 | 0.42408 | -3.359 | -1.3112 | 1.074 | 1.1923 |
| 50 | 52.669 | 54.788 | 56.64 | 1.1443 | 54.126 | 54.84 | 56.098 | 0.71621 | -2.514 | 0.0522 | 1.635 | 1.4198 |
| 100 | 52.182 | 54.301 | 54.985 | 0.92976 | 54.225 | 55.149 | 56.805 | 0.97591 | -0.713 | 0.84787 | 4.12 | 1.5474 |

# Device Test: 6.151 LEAK_PU2_MAX/PULLUP1//////@PULL_UP_LKG




Test Results (Lower Limit = 0.0, Upper Limit = 110.0 (uA))

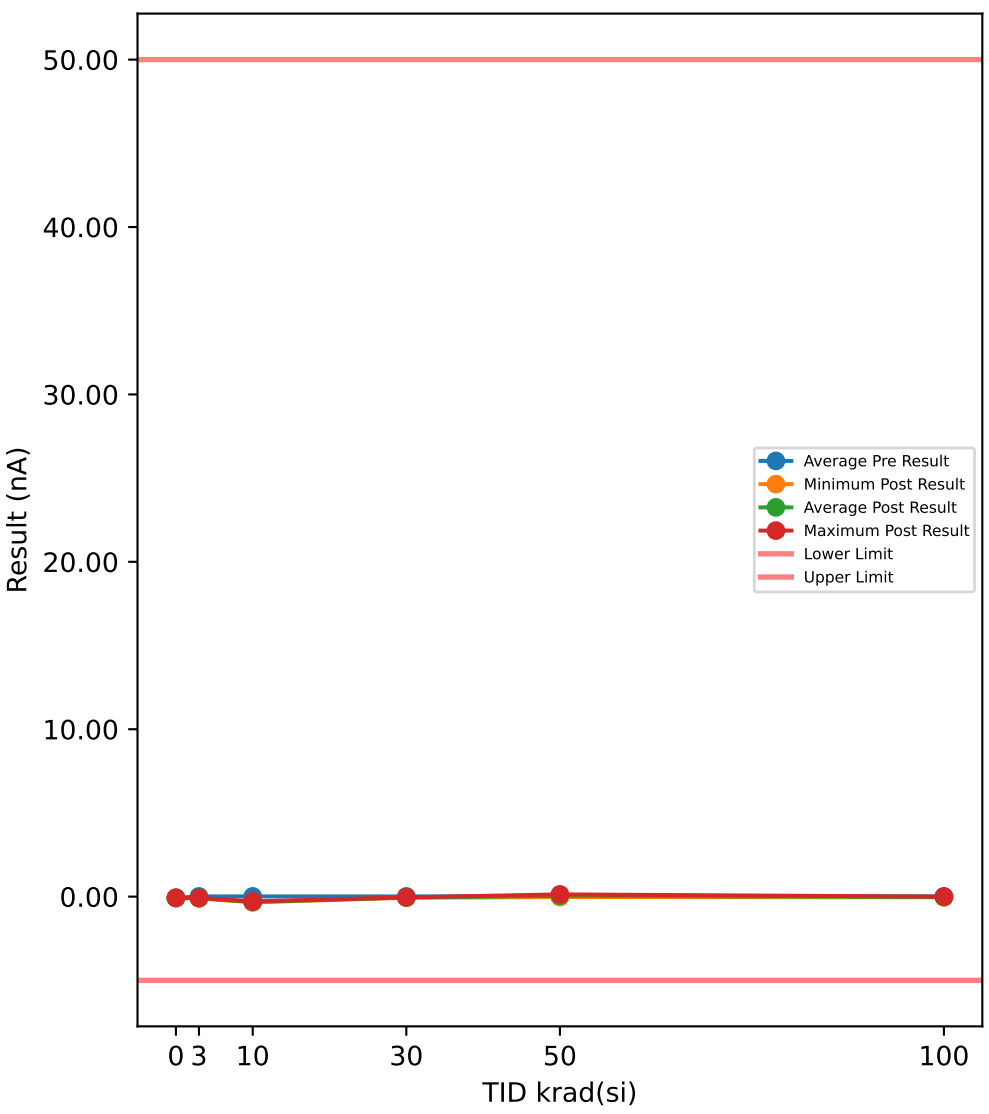
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 38.051 | 38.051 | 0 |
| 7 | 0 | Correlation | 37.751 | 37.751 | 0 |
| 16 | 3 | LDR-Biased | 37.889 | 37.461 | -0.428 |
| 18 | 3 | LDR-Biased | 36.817 | 36.738 | -0.079 |
| 19 | 3 | LDR-Biased | 36.593 | 37.09 | 0.497 |
| 20 | 3 | LDR-Biased | 36.271 | 36.148 | -0.123 |
| 21 | 3 | LDR-Biased | 35.08 | 36.318 | 1.238 |
| 22 | 3 | LDR-Unbiased | 36.265 | 35.499 | -0.766 |
| 23 | 3 | LDR-Unbiased | 35.545 | 35.753 | 0.208 |
| 25 | 3 | LDR-Unbiased | 35.789 | 35.809 | 0.02 |
| 26 | 3 | LDR-Unbiased | 35.926 | 35.48 | -0.446 |
| 27 | 3 | LDR-Unbiased | 35.988 | 35.82 | -0.168 |
| 46 | 10 | LDR-Biased | 37.889 | 34.942 | -2.947 |
| 48 | 10 | LDR-Biased | 36.817 | 35.97 | -0.847 |
| 49 | 10 | LDR-Biased | 36.593 | 35.497 | -1.096 |
| 50 | 10 | LDR-Biased | 36.271 | 34.852 | -1.419 |
| 51 | 10 | LDR-Biased | 35.08 | 34.572 | -0.508 |
| 52 | 10 | LDR-Unbiased | 36.265 | 35.061 | -1.204 |
| 53 | 10 | LDR-Unbiased | 35.545 | 33.95 | -1.595 |
| 55 | 10 | LDR-Unbiased | 35.789 | 34.212 | -1.577 |
| 56 | 10 | LDR-Unbiased | 35.926 | 34.493 | -1.433 |
| 57 | 10 | LDR-Unbiased | 35.988 | 33.08 | -2.908 |
| 76 | 30 | LDR-Biased | 37.889 | 32.832 | -5.057 |
| 78 | 30 | LDR-Biased | 36.817 | 33.551 | -3.266 |
| 79 | 30 | LDR-Biased | 36.593 | 32.14 | -4.453 |
| 80 | 30 | LDR-Biased | 36.271 | 34.838 | -1.433 |
| 81 | 30 | LDR-Biased | 35.08 | 33.861 | -1.219 |
| 82 | 30 | LDR-Unbiased | 36.265 | 33.609 | -2.656 |
| 83 | 30 | LDR-Unbiased | 35.545 | 33.619 | -1.926 |
| 84 | 30 | LDR-Unbiased | 35.988 | 33.657 | -2.331 |
| 85 | 30 | LDR-Unbiased | 35.789 | 32.87 | -2.919 |
| 86 | 30 | LDR-Unbiased | 35.926 | 33.572 | -2.354 |
| 87 | 100 | LDR-Biased | 35.315 | 36.336 | 1.021 |
| 88 | 100 | LDR-Biased | 35.392 | 35.202 | -0.19 |
| 90 | 100 | LDR-Biased | 35.352 | 36.718 | 1.366 |
| 91 | 100 | LDR-Unbiased | 35.325 | 36.275 | 0.95 |
| 93 | 100 | LDR-Unbiased | 35.53 | 35.597 | 0.067 |
| 94 | 100 | LDR-Unbiased | 33.932 | 32.519 | -1.413 |
| 95 | 100 | LDR-Unbiased | 35.556 | 34.7 | -0.856 |
| 96 | 100 | LDR-Unbiased | 35.11 | 33.923 | -1.187 |
| 106 | 50 | LDR-Biased | 37.889 | 34.523 | -3.366 |
| 108 | 50 | LDR-Biased | 36.817 | 34.307 | -2.51 |
| 109 | 50 | LDR-Biased | 36.593 | 34.177 | -2.416 |
| 110 | 50 | LDR-Biased | 36.271 | 34.302 | -1.969 |
| 111 | 50 | LDR-Biased | 35.08 | 33.759 | -1.321 |
| 112 | 50 | LDR-Unbiased | 36.265 | 34.822 | -1.443 |
| 113 | 50 | LDR-Unbiased | 35.545 | 34.758 | -0.787 |
| 115 | 50 | LDR-Unbiased | 35.789 | 33.868 | -1.921 |
| 116 | 50 | LDR-Unbiased | 35.926 | 33.393 | -2.533 |
| 117 | 50 | LDR-Unbiased | 35.988 | 34.884 | -1.104 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 37.751 | 37.901 | 38.051 | 0.21213 | 37.751 | 37.901 | 38.051 | 0.21213 | 0 | 0 | 0 | 0 |
| 3 | 35.08 | 36.216 | 37.889 | 0.77221 | 35.48 | 36.212 | 37.461 | 0.68263 | -0.766 | -0.0047 | 1.238 | 0.5619 |
| 10 | 35.08 | 36.216 | 37.889 | 0.77221 | 33.08 | 34.663 | 35.97 | 0.81176 | -2.947 | -1.5534 | -0.508 | 0.79827 |
| 30 | 35.08 | 36.216 | 37.889 | 0.77221 | 32.14 | 33.455 | 34.838 | 0.71891 | -5.057 | -2.7614 | -1.219 | 1.2299 |
| 50 | 35.08 | 36.216 | 37.889 | 0.77221 | 33.393 | 34.279 | 34.884 | 0.49282 | -3.366 | -1.937 | -0.787 | 0.78854 |
| 100 | 33.932 | 35.189 | 35.556 | 0.52636 | 32.519 | 35.159 | 36.718 | 1.4123 | -1.413 | -0.03025 | 1.366 | 1.0679 |

# Device Test: 6.16 ILKG_SENSE1/SENSE1//14/0/0/0/@ILKG_SENSE

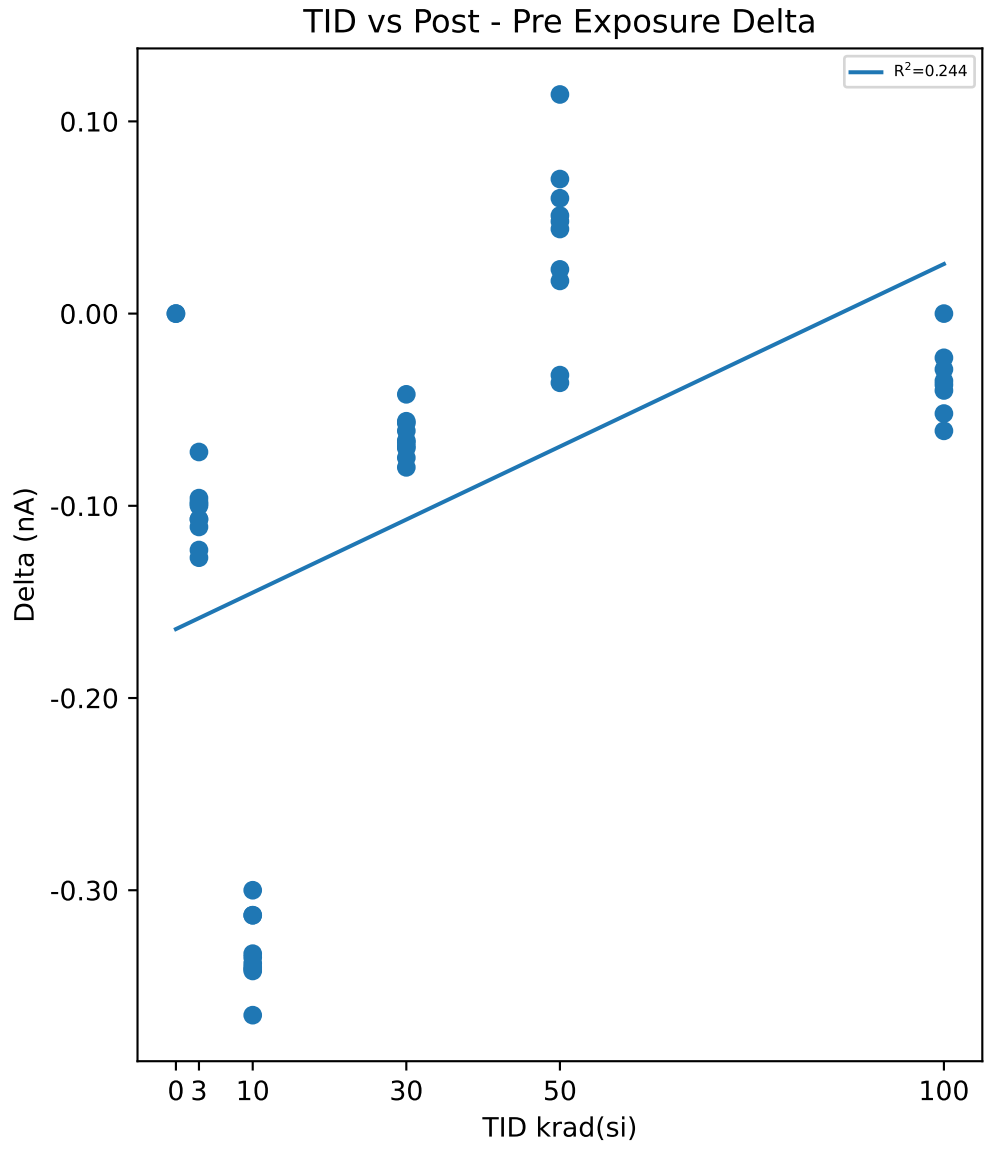
## TID vs Result Stats




## Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | -0.067 | -0.067 | 0 |
| 7 | 0 | Correlation | -0.088 | -0.088 | 0 |
| 16 | 3 | LDR-Biased | 0.012 | -0.099 | -0.111 |
| 18 | 3 | LDR-Biased | 0.013 | -0.085 | -0.098 |
| 19 | 3 | LDR-Biased | 0.009 | -0.098 | -0.107 |
| 20 | 3 | LDR-Biased | -0 | -0.072 | -0.072 |
| 21 | 3 | LDR-Biased | 0.024 | -0.103 | -0.127 |
| 22 | 3 | LDR-Unbiased | 0.004 | -0.095 | -0.099 |
| 23 | 3 | LDR-Unbiased | 0.01 | -0.09 | -0.1 |
| 25 | 3 | LDR-Unbiased | 0.013 | -0.083 | -0.096 |
| 26 | 3 | LDR-Unbiased | 0.019 | -0.088 | -0.107 |
| 27 | 3 | LDR-Unbiased | 0.02 | -0.103 | -0.123 |
| 46 | 10 | LDR-Biased | 0.012 | -0.288 | -0.3 |
| 48 | 10 | LDR-Biased | 0.013 | -0.325 | -0.338 |
| 49 | 10 | LDR-Biased | 0.009 | -0.331 | -0.34 |
| 50 | 10 | LDR-Biased | -0 | -0.335 | -0.335 |
| 51 | 10 | LDR-Biased | 0.024 | -0.341 | -0.365 |
| 52 | 10 | LDR-Unbiased | 0.004 | -0.329 | -0.333 |
| 53 | 10 | LDR-Unbiased | 0.01 | -0.303 | -0.313 |
| 55 | 10 | LDR-Unbiased | 0.013 | -0.328 | -0.341 |
| 56 | 10 | LDR-Unbiased | 0.019 | -0.323 | -0.342 |
| 57 | 10 | LDR-Unbiased | 0.02 | -0.293 | -0.313 |
| 76 | 30 | LDR-Biased | 0.012 | -0.045 | -0.057 |
| 78 | 30 | LDR-Biased | 0.013 | -0.062 | -0.075 |
| 79 | 30 | LDR-Biased | 0.009 | -0.058 | -0.067 |
| 80 | 30 | LDR-Biased | -0 | -0.042 | -0.042 |
| 81 | 30 | LDR-Biased | 0.024 | -0.042 | -0.066 |
| 82 | 30 | LDR-Unbiased | 0.004 | -0.052 | -0.056 |
| 83 | 30 | LDR-Unbiased | 0.01 | -0.06 | -0.07 |
| 84 | 30 | LDR-Unbiased | 0.02 | -0.049 | -0.069 |
| 85 | 30 | LDR-Unbiased | 0.013 | -0.067 | -0.08 |
| 86 | 30 | LDR-Unbiased | 0.019 | -0.042 | -0.061 |
| 87 | 100 | LDR-Biased | 0.001 | -0.022 | -0.023 |
| 88 | 100 | LDR-Biased | 0.009 | -0.031 | -0.04 |
| 90 | 100 | LDR-Biased | 0.008 | -0.021 | -0.029 |
| 91 | 100 | LDR-Unbiased | 0.013 | -0.024 | -0.037 |
| 93 | 100 | LDR-Unbiased | 0.02 | -0.041 | -0.061 |
| 94 | 100 | LDR-Unbiased | 0.02 | -0.015 | -0.035 |
| 95 | 100 | LDR-Unbiased | 0.03 | -0.022 | -0.052 |
| 96 | 100 | LDR-Unbiased | -0.001 | -0.001 | 0 |
| 106 | 50 | LDR-Biased | 0.012 | -0.024 | -0.036 |
| 108 | 50 | LDR-Biased | 0.013 | -0.019 | -0.032 |
| 109 | 50 | LDR-Biased | 0.009 | 0.06 | 0.051 |
| 110 | 50 | LDR-Biased | -0 | 0.06 | 0.06 |
| 111 | 50 | LDR-Biased | 0.024 | 0.041 | 0.017 |
| 112 | 50 | LDR-Unbiased | 0.004 | 0.074 | 0.07 |
| 113 | 50 | LDR-Unbiased | 0.01 | 0.033 | 0.023 |
| 115 | 50 | LDR-Unbiased | 0.013 | 0.057 | 0.044 |
| 116 | 50 | LDR-Unbiased | 0.019 | 0.133 | 0.114 |
| 117 | 50 | LDR-Unbiased | 0.02 | 0.068 | 0.048 |

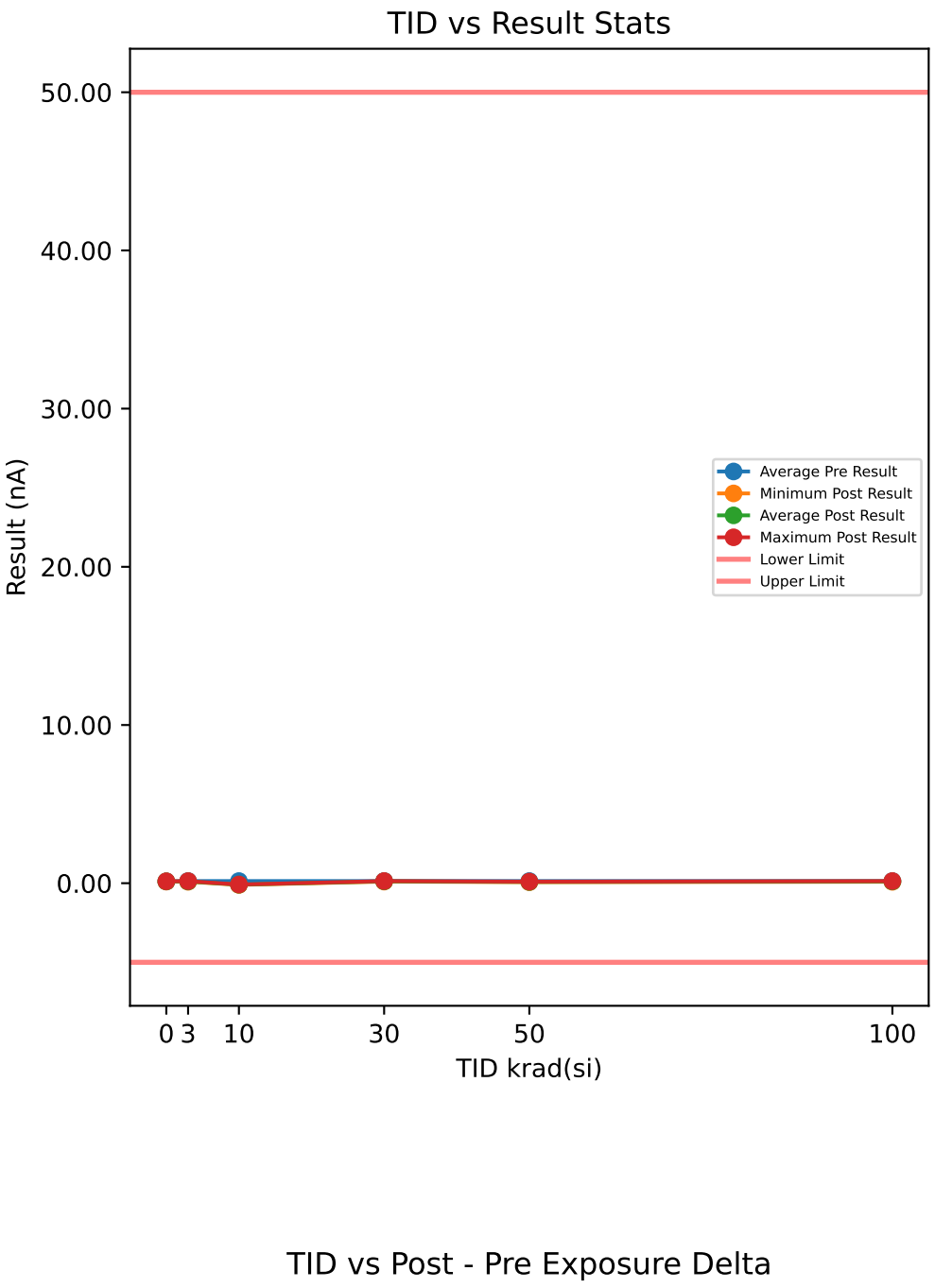
## TID vs Post - Pre Exposure Delta

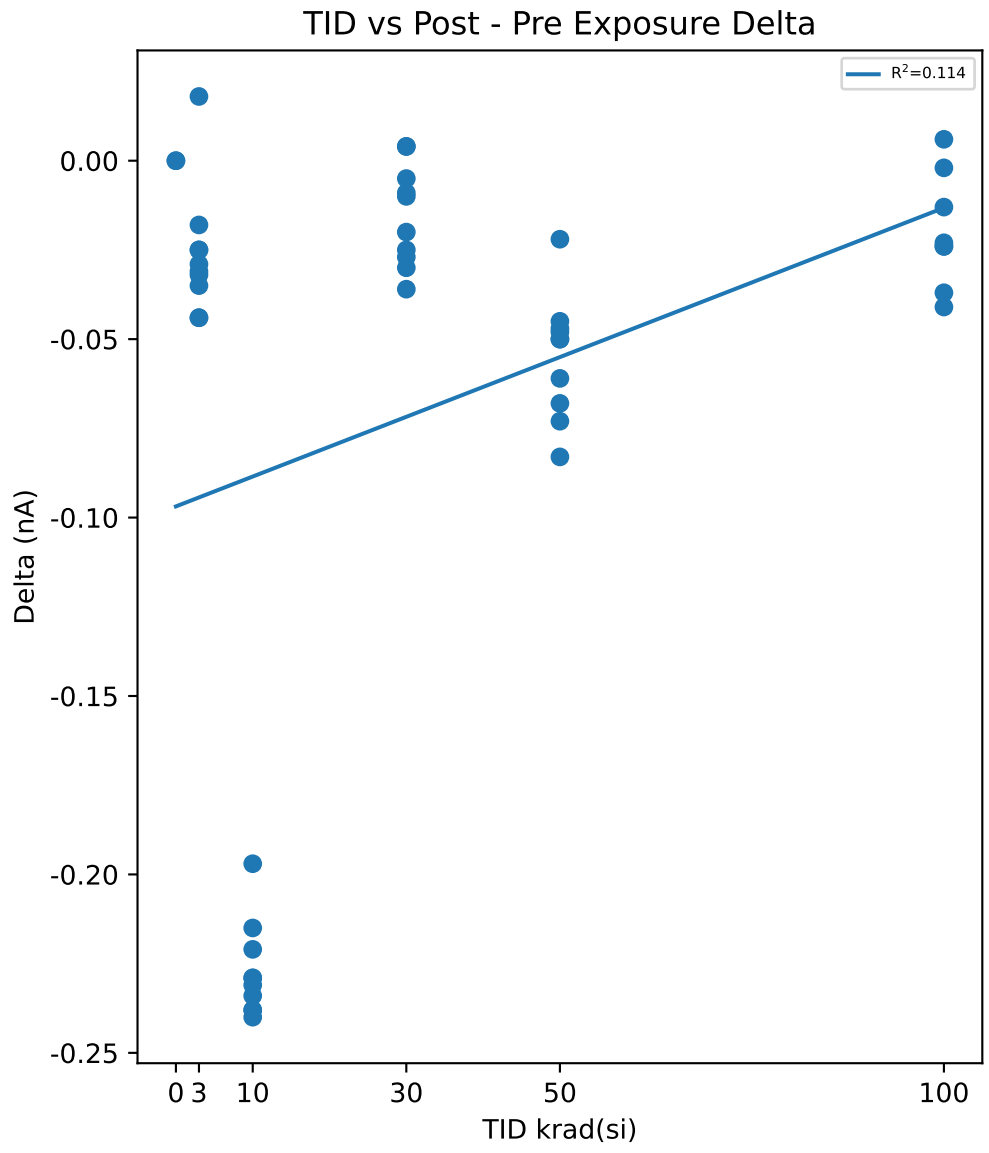



## Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | -0.088 | -0.0775 | -0.067 | 0.014849 | -0.088 | -0.0775 | -0.067 | 0.014849 | 0 | 0 | 0 | 0 |
| 3 | -0 | 0.0124 | 0.024 | 0.0072908 | -0.103 | -0.0916 | -0.072 | 0.009913 | -0.127 | -0.104 | -0.072 | 0.015355 |
| 10 | -0 | 0.0124 | 0.024 | 0.0072908 | -0.341 | -0.3196 | -0.288 | 0.018277 | -0.365 | -0.332 | -0.3 | 0.018637 |
| 30 | -0 | 0.0124 | 0.024 | 0.0072908 | -0.067 | -0.0519 | -0.042 | 0.0093268 | -0.08 | -0.0643 | -0.042 | 0.010833 |
| 50 | -0 | 0.0124 | 0.024 | 0.0072908 | -0.024 | 0.0483 | 0.133 | 0.04548 | -0.036 | 0.0359 | 0.114 | 0.045445 |
| 100 | -0.001 | 0.0125 | 0.03 | 0.010461 | -0.041 | -0.022125 | -0.001 | 0.011569 | -0.061 | -0.034625 | 0 | 0.018508 |

# Device Test: 6.17 ILKG_SENSE2/SENSE2//14/0/0/0/@ILKG_SENSE



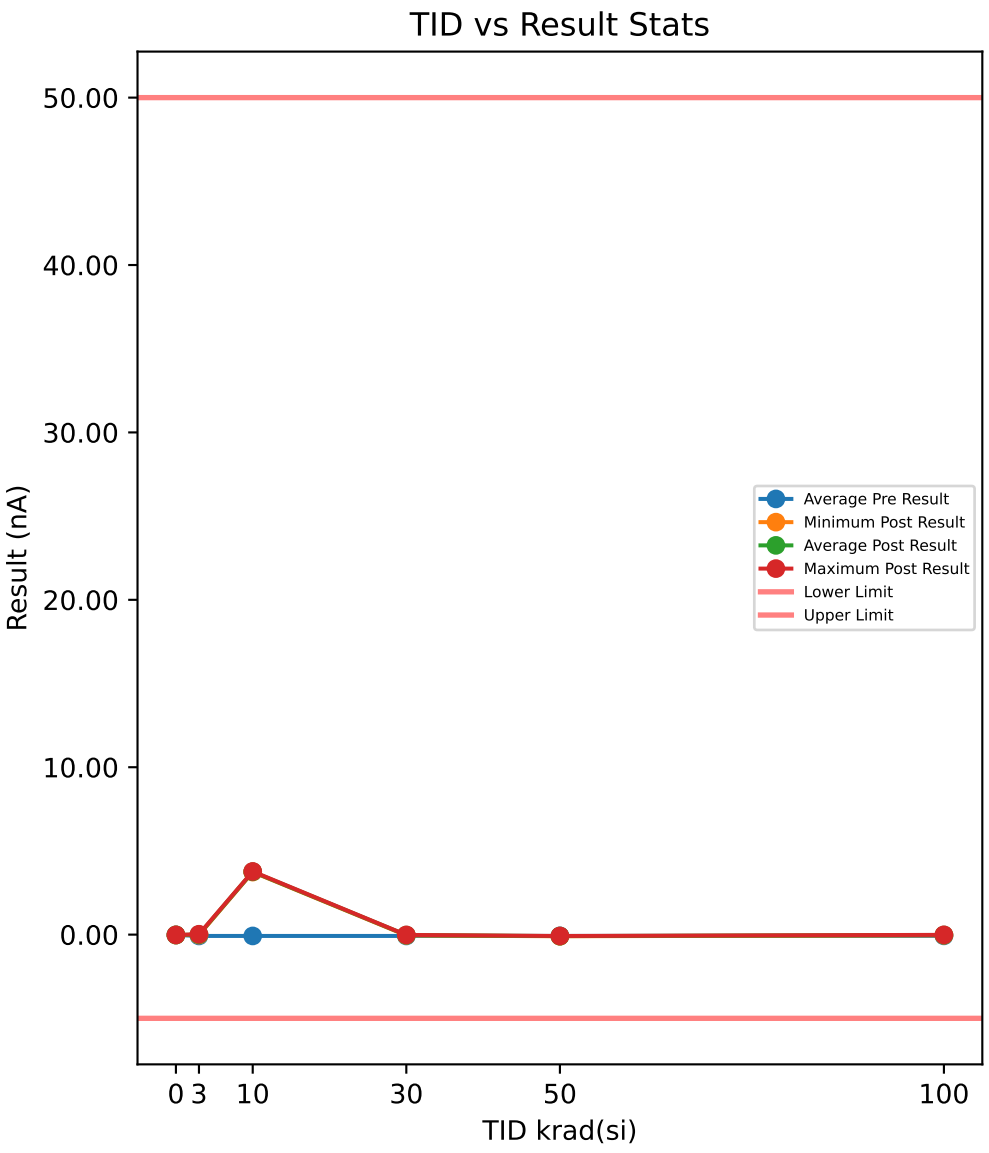

Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.12 | 0.12 | 0 |
| 7 | 0 | Correlation | 0.103 | 0.103 | 0 |
| 16 | 3 | LDR-Biased | 0.132 | 0.107 | -0.025 |
| 18 | 3 | LDR-Biased | 0.134 | 0.105 | -0.029 |
| 19 | 3 | LDR-Biased | 0.137 | 0.093 | -0.044 |
| 20 | 3 | LDR-Biased | 0.134 | 0.103 | -0.031 |
| 21 | 3 | LDR-Biased | 0.145 | 0.101 | -0.044 |
| 22 | 3 | LDR-Unbiased | 0.134 | 0.102 | -0.032 |
| 23 | 3 | LDR-Unbiased | 0.113 | 0.131 | 0.018 |
| 25 | 3 | LDR-Unbiased | 0.141 | 0.106 | -0.035 |
| 26 | 3 | LDR-Unbiased | 0.132 | 0.114 | -0.018 |
| 27 | 3 | LDR-Unbiased | 0.147 | 0.122 | -0.025 |
| 46 | 10 | LDR-Biased | 0.132 | -0.106 | -0.238 |
| 48 | 10 | LDR-Biased | 0.134 | -0.095 | -0.229 |
| 49 | 10 | LDR-Biased | 0.137 | -0.084 | -0.221 |
| 50 | 10 | LDR-Biased | 0.134 | -0.106 | -0.24 |
| 51 | 10 | LDR-Biased | 0.145 | -0.093 | -0.238 |
| 52 | 10 | LDR-Unbiased | 0.134 | -0.095 | -0.229 |
| 53 | 10 | LDR-Unbiased | 0.113 | -0.084 | -0.197 |
| 55 | 10 | LDR-Unbiased | 0.141 | -0.093 | -0.234 |
| 56 | 10 | LDR-Unbiased | 0.132 | -0.083 | -0.215 |
| 57 | 10 | LDR-Unbiased | 0.147 | -0.084 | -0.231 |
| 76 | 30 | LDR-Biased | 0.132 | 0.127 | -0.005 |
| 78 | 30 | LDR-Biased | 0.134 | 0.109 | -0.025 |
| 79 | 30 | LDR-Biased | 0.137 | 0.101 | -0.036 |
| 80 | 30 | LDR-Biased | 0.134 | 0.124 | -0.01 |
| 81 | 30 | LDR-Biased | 0.145 | 0.136 | -0.009 |
| 82 | 30 | LDR-Unbiased | 0.134 | 0.104 | -0.03 |
| 83 | 30 | LDR-Unbiased | 0.113 | 0.117 | 0.004 |
| 84 | 30 | LDR-Unbiased | 0.147 | 0.127 | -0.02 |
| 85 | 30 | LDR-Unbiased | 0.141 | 0.114 | -0.027 |
| 86 | 30 | LDR-Unbiased | 0.132 | 0.136 | 0.004 |
| 87 | 100 | LDR-Biased | 0.14 | 0.116 | -0.024 |
| 88 | 100 | LDR-Biased | 0.114 | 0.09 | -0.024 |
| 90 | 100 | LDR-Biased | 0.134 | 0.121 | -0.013 |
| 91 | 100 | LDR-Unbiased | 0.111 | 0.109 | -0.002 |
| 93 | 100 | LDR-Unbiased | 0.134 | 0.111 | -0.023 |
| 94 | 100 | LDR-Unbiased | 0.149 | 0.112 | -0.037 |
| 95 | 100 | LDR-Unbiased | 0.143 | 0.102 | -0.041 |
| 96 | 100 | LDR-Unbiased | 0.129 | 0.135 | 0.006 |
| 106 | 50 | LDR-Biased | 0.132 | 0.082 | -0.05 |
| 108 | 50 | LDR-Biased | 0.134 | 0.066 | -0.068 |
| 109 | 50 | LDR-Biased | 0.137 | 0.09 | -0.047 |
| 110 | 50 | LDR-Biased | 0.134 | 0.073 | -0.061 |
| 111 | 50 | LDR-Biased | 0.145 | 0.1 | -0.045 |
| 112 | 50 | LDR-Unbiased | 0.134 | 0.086 | -0.048 |
| 113 | 50 | LDR-Unbiased | 0.113 | 0.091 | -0.022 |
| 115 | 50 | LDR-Unbiased | 0.141 | 0.068 | -0.073 |
| 116 | 50 | LDR-Unbiased | 0.132 | 0.082 | -0.05 |
| 117 | 50 | LDR-Unbiased | 0.147 | 0.064 | -0.083 |

Test Statistics (nA)

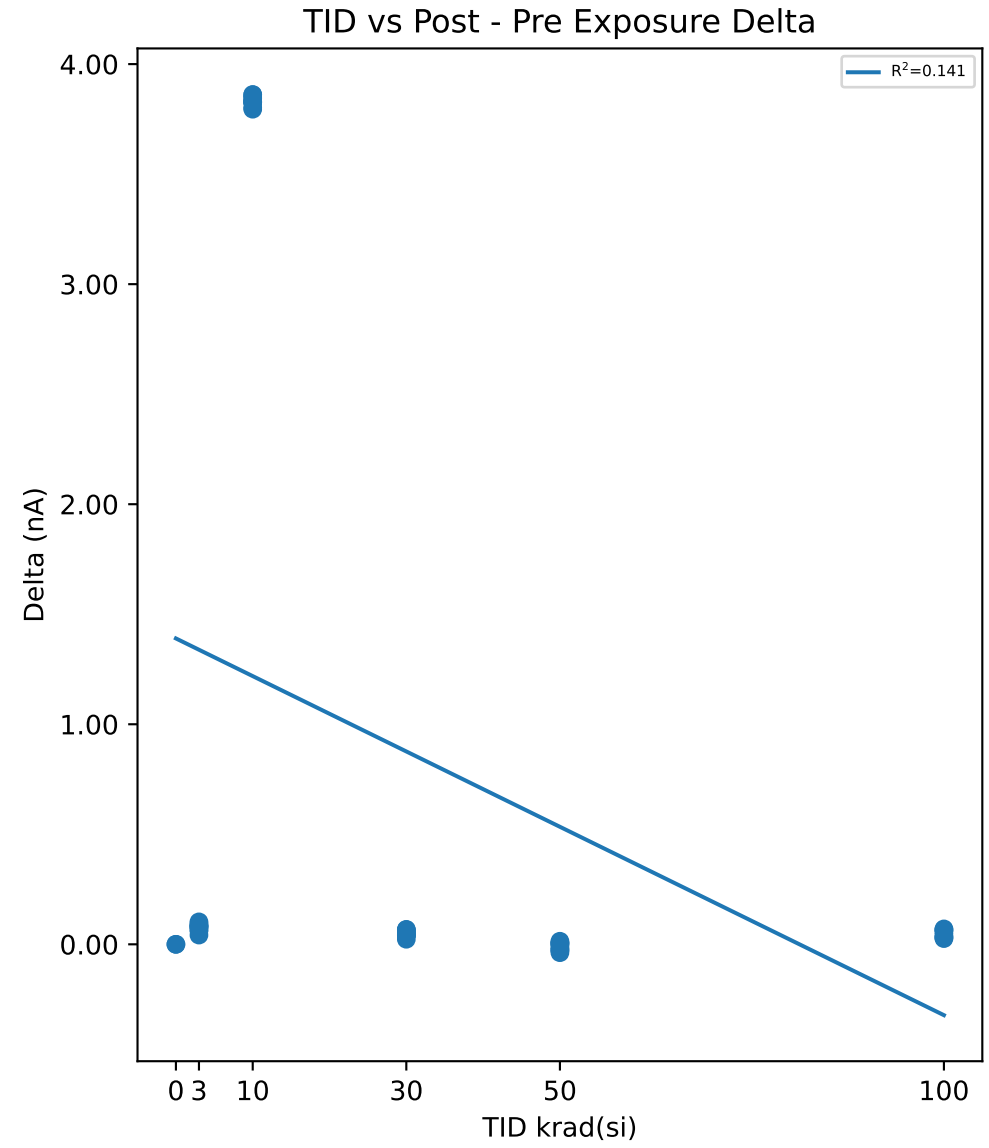
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.103 | 0.1115 | 0.12 | 0.012021 | 0.103 | 0.1115 | 0.12 | 0.012021 | 0 | 0 | 0 | 0 |
| 3 | 0.113 | 0.1349 | 0.147 | 0.0093625 | 0.093 | 0.1084 | 0.131 | 0.011098 | -0.044 | -0.0265 | 0.018 | 0.017634 |
| 10 | 0.113 | 0.1349 | 0.147 | 0.0093625 | -0.106 | -0.0923 | -0.083 | 0.0087184 | -0.24 | -0.2272 | -0.197 | 0.013181 |
| 30 | 0.113 | 0.1349 | 0.147 | 0.0093625 | 0.101 | 0.1195 | 0.136 | 0.012501 | -0.036 | -0.0154 | 0.004 | 0.014206 |
| 50 | 0.113 | 0.1349 | 0.147 | 0.0093625 | 0.064 | 0.0802 | 0.1 | 0.012063 | -0.083 | -0.0547 | -0.022 | 0.017205 |
| 100 | 0.111 | 0.13175 | 0.149 | 0.013392 | 0.09 | 0.112 | 0.135 | 0.013202 | -0.041 | -0.01975 | 0.006 | 0.016122 |

# Device Test: 6.18 ILKG_SENSE3/SENSE3//14/0/0/0/@ILKG_SENSE




Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

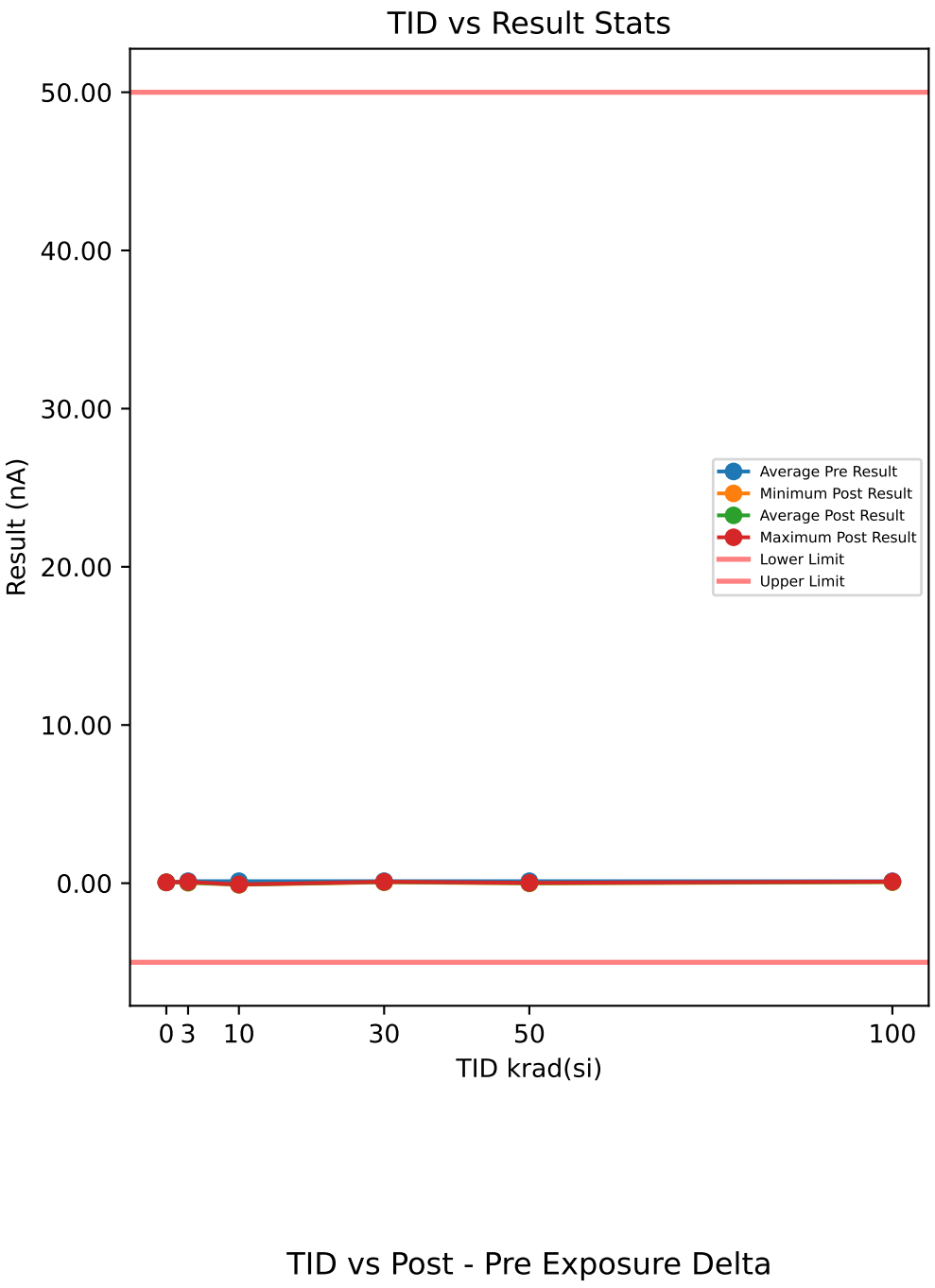
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | -0.023 | -0.023 | 0 |
| 7 | 0 | Correlation | -0.018 | -0.018 | 0 |
| 16 | 3 | LDR-Biased | -0.079 | -0.014 | 0.065 |
| 18 | 3 | LDR-Biased | -0.087 | -0.009 | 0.078 |
| 19 | 3 | LDR-Biased | -0.082 | -0.003 | 0.079 |
| 20 | 3 | LDR-Biased | -0.096 | -0.001 | 0.095 |
| 21 | 3 | LDR-Biased | -0.06 | 0.023 | 0.083 |
| 22 | 3 | LDR-Unbiased | -0.093 | -0.007 | 0.086 |
| 23 | 3 | LDR-Unbiased | -0.077 | 0.005 | 0.082 |
| 25 | 3 | LDR-Unbiased | -0.055 | 0.008 | 0.063 |
| 26 | 3 | LDR-Unbiased | -0.069 | -0.027 | 0.042 |
| 27 | 3 | LDR-Unbiased | -0.091 | 0.011 | 0.102 |
| 46 | 10 | LDR-Biased | -0.079 | 3.752 | 3.831 |
| 48 | 10 | LDR-Biased | -0.087 | 3.775 | 3.862 |
| 49 | 10 | LDR-Biased | -0.082 | 3.761 | 3.843 |
| 50 | 10 | LDR-Biased | -0.096 | 3.764 | 3.86 |
| 51 | 10 | LDR-Biased | -0.06 | 3.742 | 3.802 |
| 52 | 10 | LDR-Unbiased | -0.093 | 3.757 | 3.85 |
| 53 | 10 | LDR-Unbiased | -0.077 | 3.748 | 3.825 |
| 55 | 10 | LDR-Unbiased | -0.055 | 3.74 | 3.795 |
| 56 | 10 | LDR-Unbiased | -0.069 | 3.757 | 3.826 |
| 57 | 10 | LDR-Unbiased | -0.091 | 3.738 | 3.829 |
| 76 | 30 | LDR-Biased | -0.079 | -0.019 | 0.06 |
| 78 | 30 | LDR-Biased | -0.087 | -0.021 | 0.066 |
| 79 | 30 | LDR-Biased | -0.082 | -0.038 | 0.044 |
| 80 | 30 | LDR-Biased | -0.096 | -0.035 | 0.061 |
| 81 | 30 | LDR-Biased | -0.06 | -0.02 | 0.04 |
| 82 | 30 | LDR-Unbiased | -0.093 | -0.046 | 0.047 |
| 83 | 30 | LDR-Unbiased | -0.077 | -0.036 | 0.041 |
| 84 | 30 | LDR-Unbiased | -0.091 | -0.023 | 0.068 |
| 85 | 30 | LDR-Unbiased | -0.055 | -0.032 | 0.023 |
| 86 | 30 | LDR-Unbiased | -0.069 | -0.027 | 0.042 |
| 87 | 100 | LDR-Biased | -0.074 | -0.032 | 0.042 |
| 88 | 100 | LDR-Biased | -0.087 | -0.021 | 0.066 |
| 90 | 100 | LDR-Biased | -0.064 | -0.033 | 0.031 |
| 91 | 100 | LDR-Unbiased | -0.047 | -0.015 | 0.032 |
| 93 | 100 | LDR-Unbiased | -0.084 | -0.014 | 0.07 |
| 94 | 100 | LDR-Unbiased | -0.078 | -0.022 | 0.056 |
| 95 | 100 | LDR-Unbiased | -0.067 | -0.041 | 0.026 |
| 96 | 100 | LDR-Unbiased | -0.089 | -0.024 | 0.065 |
| 106 | 50 | LDR-Biased | -0.079 | -0.09 | -0.011 |
| 108 | 50 | LDR-Biased | -0.087 | -0.083 | 0.004 |
| 109 | 50 | LDR-Biased | -0.082 | -0.083 | -0.001 |
| 110 | 50 | LDR-Biased | -0.096 | -0.082 | 0.014 |
| 111 | 50 | LDR-Biased | -0.06 | -0.098 | -0.038 |
| 112 | 50 | LDR-Unbiased | -0.093 | -0.089 | 0.004 |
| 113 | 50 | LDR-Unbiased | -0.077 | -0.098 | -0.021 |
| 115 | 50 | LDR-Unbiased | -0.055 | -0.081 | -0.026 |
| 116 | 50 | LDR-Unbiased | -0.069 | -0.097 | -0.028 |
| 117 | 50 | LDR-Unbiased | -0.091 | -0.083 | 0.008 |

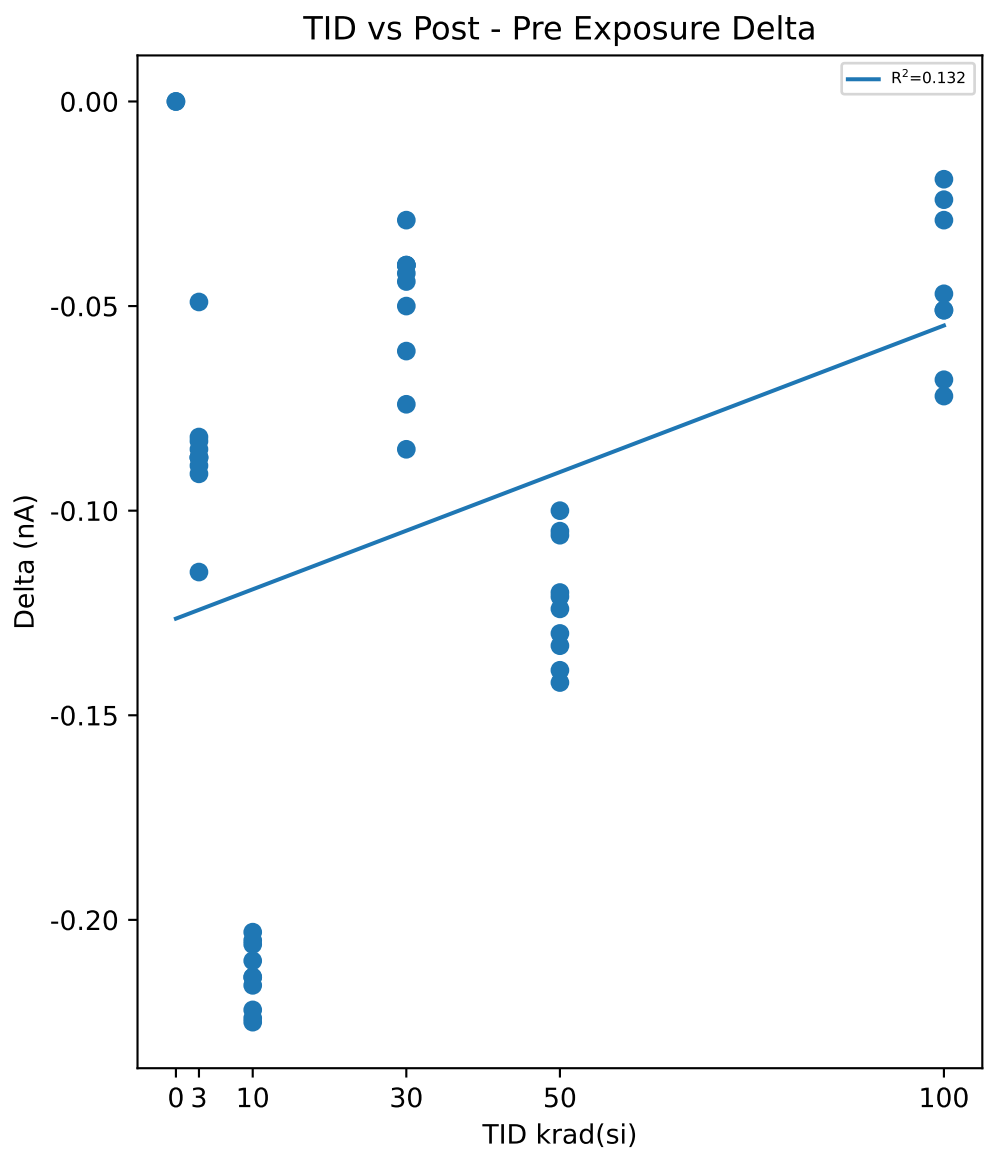



## Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | -0.023 | -0.0205 | -0.018 | 0.0035355 | -0.023 | -0.0205 | -0.018 | 0.0035355 | 0 | 0 | 0 | 0 |
| 3 | -0.096 | -0.0789 | -0.055 | 0.013916 | -0.027 | -0.0014 | 0.023 | 0.014081 | 0.042 | 0.0775 | 0.102 | 0.017187 |
| 10 | -0.096 | -0.0789 | -0.055 | 0.013916 | 3.738 | 3.7534 | 3.775 | 0.01174 | 3.795 | 3.8323 | 3.862 | 0.022341 |
| 30 | -0.096 | -0.0789 | -0.055 | 0.013916 | -0.046 | -0.0297 | -0.019 | 0.0090927 | 0.023 | 0.0492 | 0.068 | 0.014195 |
| 50 | -0.096 | -0.0789 | -0.055 | 0.013916 | -0.098 | -0.0884 | -0.081 | 0.0070269 | -0.038 | -0.0095 | 0.014 | 0.017815 |
| 100 | -0.089 | -0.07375 | -0.047 | 0.014079 | -0.041 | -0.02525 | -0.014 | 0.009377 | 0.026 | 0.0485 | 0.07 | 0.017825 |

# Device Test: 6.19 ILKG_SENSE4/SENSE4//14/0/0/0/@ILKG_SENSE



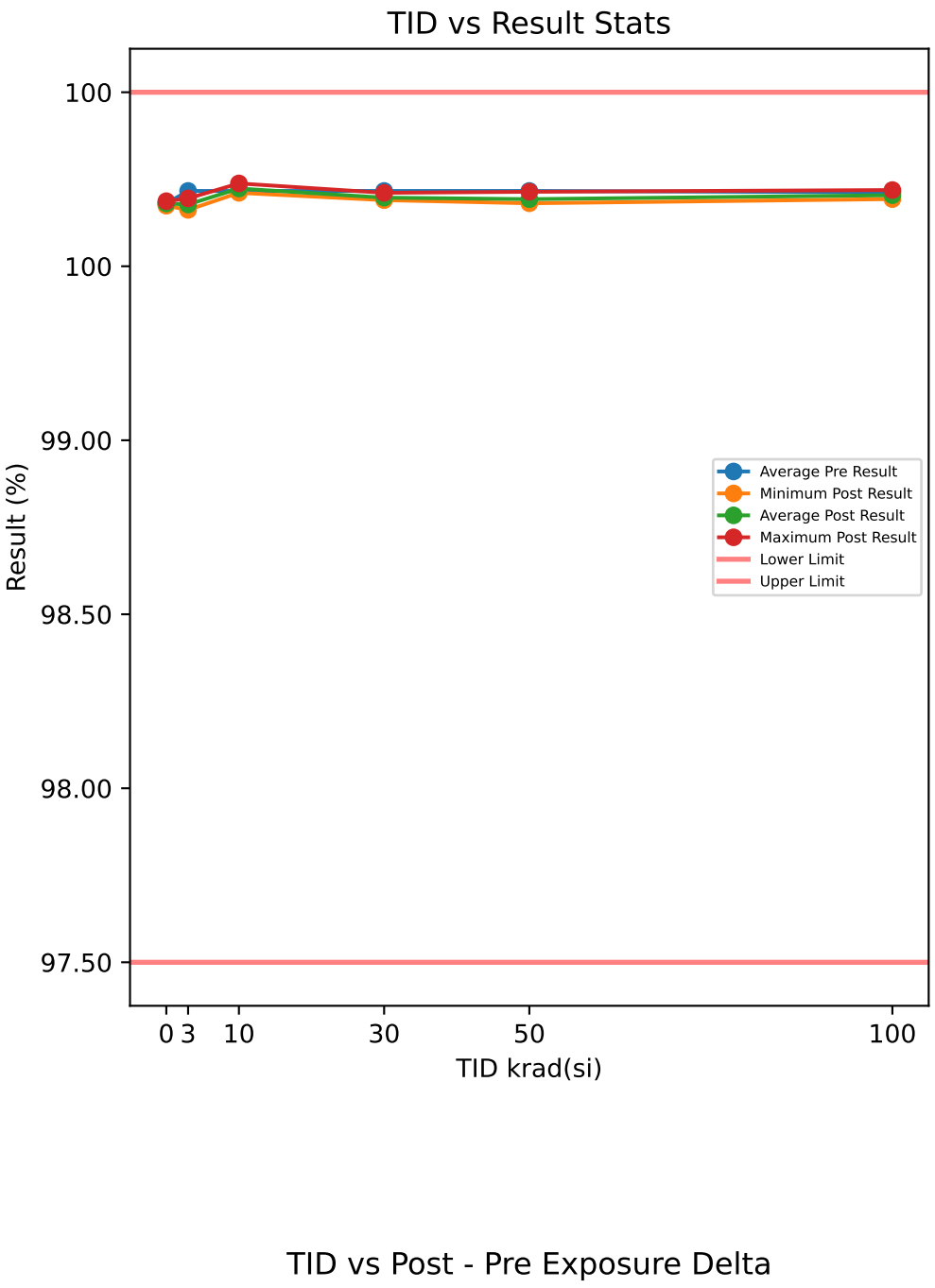

Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

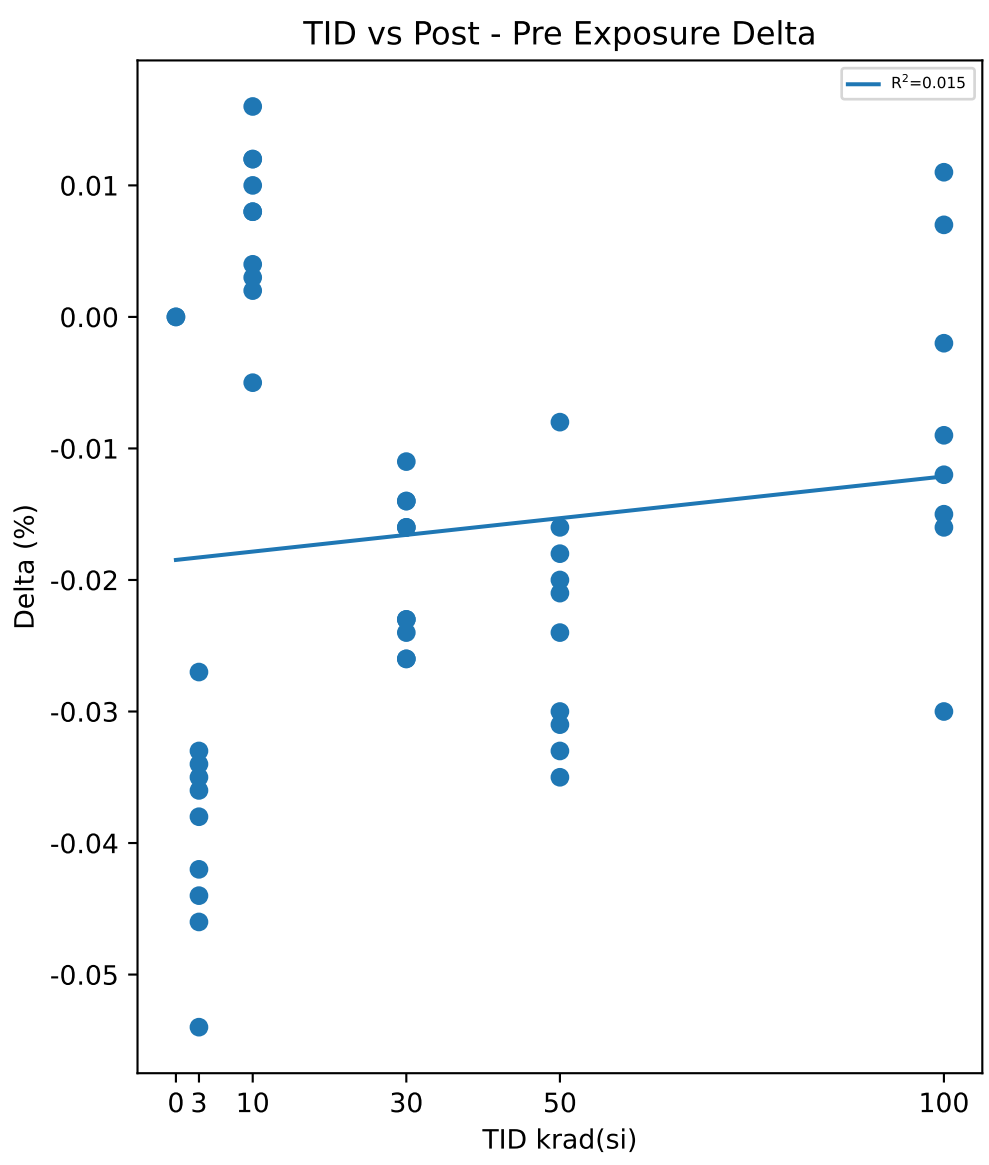
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.05 | 0.05 | 0 |
| 7 | 0 | Correlation | 0.052 | 0.052 | 0 |
| 16 | 3 | LDR-Biased | 0.144 | 0.029 | -0.115 |
| 18 | 3 | LDR-Biased | 0.117 | 0.03 | -0.087 |
| 19 | 3 | LDR-Biased | 0.127 | 0.036 | -0.091 |
| 20 | 3 | LDR-Biased | 0.125 | 0.042 | -0.083 |
| 21 | 3 | LDR-Biased | 0.126 | 0.041 | -0.085 |
| 22 | 3 | LDR-Unbiased | 0.132 | 0.045 | -0.087 |
| 23 | 3 | LDR-Unbiased | 0.124 | 0.042 | -0.082 |
| 25 | 3 | LDR-Unbiased | 0.121 | 0.034 | -0.087 |
| 26 | 3 | LDR-Unbiased | 0.13 | 0.081 | -0.049 |
| 27 | 3 | LDR-Unbiased | 0.123 | 0.034 | -0.089 |
| 46 | 10 | LDR-Biased | 0.144 | -0.078 | -0.222 |
| 48 | 10 | LDR-Biased | 0.117 | -0.089 | -0.206 |
| 49 | 10 | LDR-Biased | 0.127 | -0.076 | -0.203 |
| 50 | 10 | LDR-Biased | 0.125 | -0.089 | -0.214 |
| 51 | 10 | LDR-Biased | 0.126 | -0.079 | -0.205 |
| 52 | 10 | LDR-Unbiased | 0.132 | -0.078 | -0.21 |
| 53 | 10 | LDR-Unbiased | 0.124 | -0.101 | -0.225 |
| 55 | 10 | LDR-Unbiased | 0.121 | -0.103 | -0.224 |
| 56 | 10 | LDR-Unbiased | 0.13 | -0.086 | -0.216 |
| 57 | 10 | LDR-Unbiased | 0.123 | -0.091 | -0.214 |
| 76 | 30 | LDR-Biased | 0.144 | 0.059 | -0.085 |
| 78 | 30 | LDR-Biased | 0.117 | 0.077 | -0.04 |
| 79 | 30 | LDR-Biased | 0.127 | 0.077 | -0.05 |
| 80 | 30 | LDR-Biased | 0.125 | 0.085 | -0.04 |
| 81 | 30 | LDR-Biased | 0.126 | 0.084 | -0.042 |
| 82 | 30 | LDR-Unbiased | 0.132 | 0.071 | -0.061 |
| 83 | 30 | LDR-Unbiased | 0.124 | 0.084 | -0.04 |
| 84 | 30 | LDR-Unbiased | 0.123 | 0.079 | -0.044 |
| 85 | 30 | LDR-Unbiased | 0.121 | 0.092 | -0.029 |
| 86 | 30 | LDR-Unbiased | 0.13 | 0.056 | -0.074 |
| 87 | 100 | LDR-Biased | 0.132 | 0.064 | -0.068 |
| 88 | 100 | LDR-Biased | 0.129 | 0.078 | -0.051 |
| 90 | 100 | LDR-Biased | 0.118 | 0.067 | -0.051 |
| 91 | 100 | LDR-Unbiased | 0.116 | 0.092 | -0.024 |
| 93 | 100 | LDR-Unbiased | 0.117 | 0.07 | -0.047 |
| 94 | 100 | LDR-Unbiased | 0.134 | 0.062 | -0.072 |
| 95 | 100 | LDR-Unbiased | 0.117 | 0.088 | -0.029 |
| 96 | 100 | LDR-Unbiased | 0.119 | 0.1 | -0.019 |
| 106 | 50 | LDR-Biased | 0.144 | 0.002 | -0.142 |
| 108 | 50 | LDR-Biased | 0.117 | -0.004 | -0.121 |
| 109 | 50 | LDR-Biased | 0.127 | -0.003 | -0.13 |
| 110 | 50 | LDR-Biased | 0.125 | -0.014 | -0.139 |
| 111 | 50 | LDR-Biased | 0.126 | 0.006 | -0.12 |
| 112 | 50 | LDR-Unbiased | 0.132 | -0.001 | -0.133 |
| 113 | 50 | LDR-Unbiased | 0.124 | 0 | -0.124 |
| 115 | 50 | LDR-Unbiased | 0.121 | 0.021 | -0.1 |
| 116 | 50 | LDR-Unbiased | 0.13 | 0.024 | -0.106 |
| 117 | 50 | LDR-Unbiased | 0.123 | 0.018 | -0.105 |

Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.05 | 0.051 | 0.052 | 0.0014142 | 0.05 | 0.051 | 0.052 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.117 | 0.1269 | 0.144 | 0.0073704 | 0.029 | 0.0414 | 0.081 | 0.014924 | -0.115 | -0.0855 | -0.049 | 0.015883 |
| 10 | 0.117 | 0.1269 | 0.144 | 0.0073704 | -0.103 | -0.087 | -0.076 | 0.0095685 | -0.225 | -0.2139 | -0.203 | 0.0079645 |
| 30 | 0.117 | 0.1269 | 0.144 | 0.0073704 | 0.056 | 0.0764 | 0.092 | 0.011491 | -0.085 | -0.0505 | -0.029 | 0.017513 |
| 50 | 0.117 | 0.1269 | 0.144 | 0.0073704 | -0.014 | 0.0049 | 0.024 | 0.012306 | -0.142 | -0.122 | -0.1 | 0.014575 |
| 100 | 0.116 | 0.12275 | 0.134 | 0.0075546 | 0.062 | 0.077625 | 0.1 | 0.014222 | -0.072 | -0.045125 | -0.019 | 0.019665 |

# Device Test: 6.2 VLDO/VLDO//3/0/0/0/@VLDO_DO



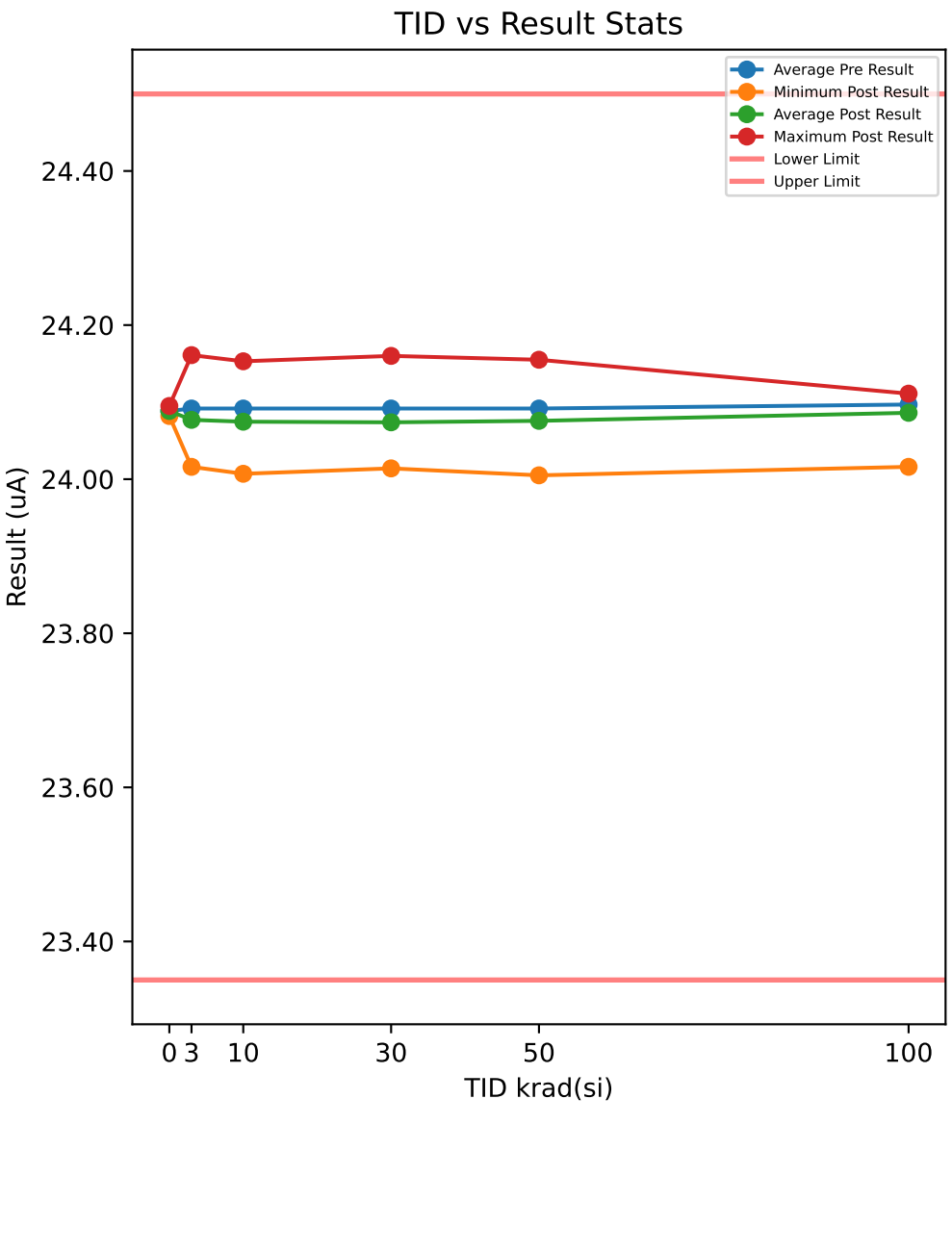

Test Results (Lower Limit = 97.5, Upper Limit = 100.0 (%))

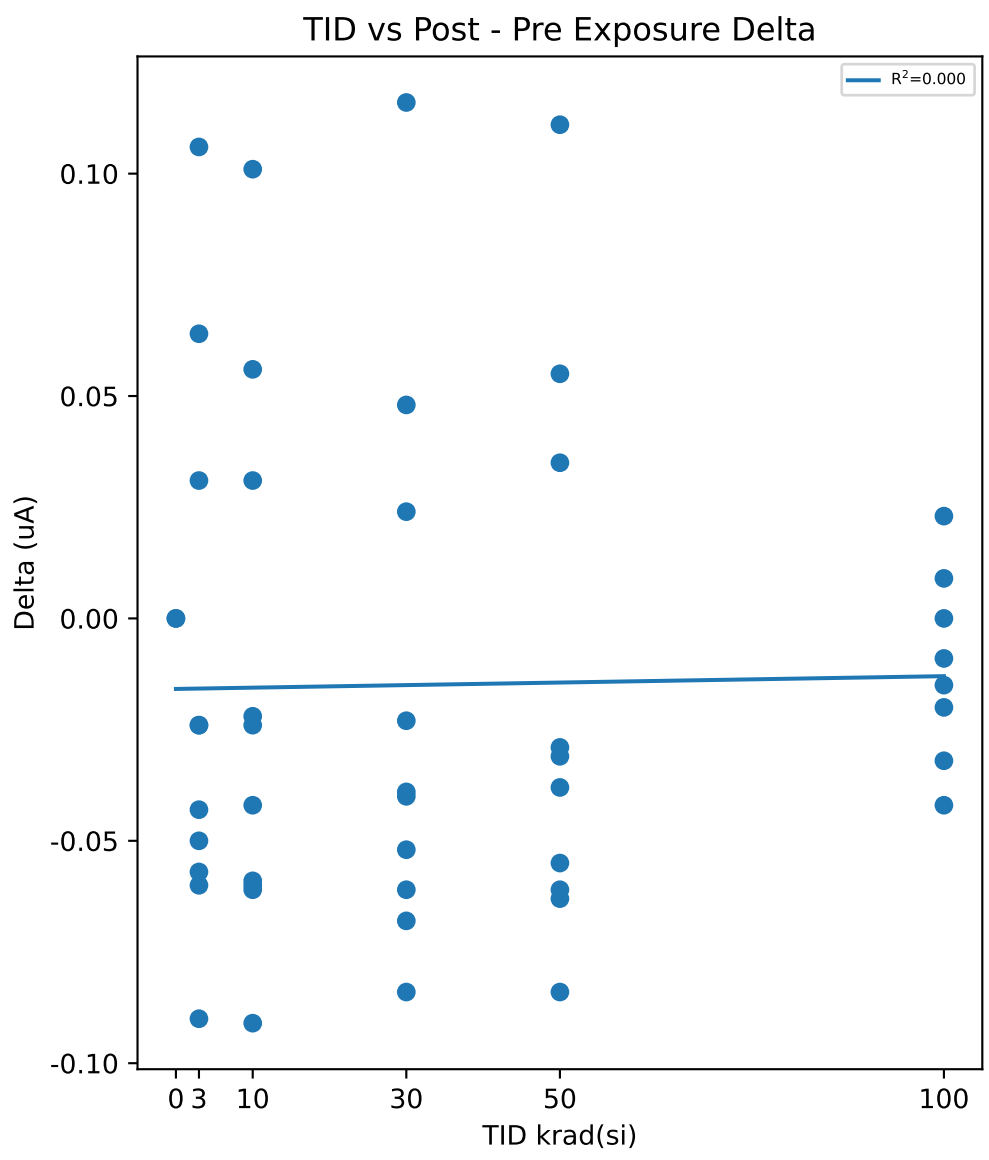
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.674 | 99.674 | 0 |
| 7 | 0 | Correlation | 99.687 | 99.687 | 0 |
| 16 | 3 | LDR-Biased | 99.722 | 99.695 | -0.027 |
| 18 | 3 | LDR-Biased | 99.717 | 99.679 | -0.038 |
| 19 | 3 | LDR-Biased | 99.723 | 99.69 | -0.033 |
| 20 | 3 | LDR-Biased | 99.714 | 99.678 | -0.036 |
| 21 | 3 | LDR-Biased | 99.708 | 99.674 | -0.034 |
| 22 | 3 | LDR-Unbiased | 99.706 | 99.671 | -0.035 |
| 23 | 3 | LDR-Unbiased | 99.716 | 99.662 | -0.054 |
| 25 | 3 | LDR-Unbiased | 99.723 | 99.681 | -0.042 |
| 26 | 3 | LDR-Unbiased | 99.718 | 99.672 | -0.046 |
| 27 | 3 | LDR-Unbiased | 99.717 | 99.673 | -0.044 |
| 46 | 10 | LDR-Biased | 99.722 | 99.738 | 0.016 |
| 48 | 10 | LDR-Biased | 99.717 | 99.725 | 0.008 |
| 49 | 10 | LDR-Biased | 99.723 | 99.735 | 0.012 |
| 50 | 10 | LDR-Biased | 99.714 | 99.722 | 0.008 |
| 51 | 10 | LDR-Biased | 99.708 | 99.718 | 0.01 |
| 52 | 10 | LDR-Unbiased | 99.706 | 99.718 | 0.012 |
| 53 | 10 | LDR-Unbiased | 99.716 | 99.711 | -0.005 |
| 55 | 10 | LDR-Unbiased | 99.723 | 99.727 | 0.004 |
| 56 | 10 | LDR-Unbiased | 99.718 | 99.72 | 0.002 |
| 57 | 10 | LDR-Unbiased | 99.717 | 99.72 | 0.003 |
| 76 | 30 | LDR-Biased | 99.722 | 99.711 | -0.011 |
| 78 | 30 | LDR-Biased | 99.717 | 99.694 | -0.023 |
| 79 | 30 | LDR-Biased | 99.723 | 99.709 | -0.014 |
| 80 | 30 | LDR-Biased | 99.714 | 99.698 | -0.016 |
| 81 | 30 | LDR-Biased | 99.708 | 99.692 | -0.016 |
| 82 | 30 | LDR-Unbiased | 99.706 | 99.692 | -0.014 |
| 83 | 30 | LDR-Unbiased | 99.716 | 99.69 | -0.026 |
| 84 | 30 | LDR-Unbiased | 99.717 | 99.691 | -0.026 |
| 85 | 30 | LDR-Unbiased | 99.723 | 99.7 | -0.023 |
| 86 | 30 | LDR-Unbiased | 99.718 | 99.694 | -0.024 |
| 87 | 100 | LDR-Biased | 99.697 | 99.704 | 0.007 |
| 88 | 100 | LDR-Biased | 99.721 | 99.705 | -0.016 |
| 90 | 100 | LDR-Biased | 99.718 | 99.703 | -0.015 |
| 91 | 100 | LDR-Unbiased | 99.708 | 99.719 | 0.011 |
| 93 | 100 | LDR-Unbiased | 99.71 | 99.708 | -0.002 |
| 94 | 100 | LDR-Unbiased | 99.723 | 99.693 | -0.03 |
| 95 | 100 | LDR-Unbiased | 99.706 | 99.694 | -0.012 |
| 96 | 100 | LDR-Unbiased | 99.716 | 99.707 | -0.009 |
| 106 | 50 | LDR-Biased | 99.722 | 99.714 | -0.008 |
| 108 | 50 | LDR-Biased | 99.717 | 99.693 | -0.024 |
| 109 | 50 | LDR-Biased | 99.723 | 99.705 | -0.018 |
| 110 | 50 | LDR-Biased | 99.714 | 99.694 | -0.02 |
| 111 | 50 | LDR-Biased | 99.708 | 99.687 | -0.021 |
| 112 | 50 | LDR-Unbiased | 99.706 | 99.69 | -0.016 |
| 113 | 50 | LDR-Unbiased | 99.716 | 99.681 | -0.035 |
| 115 | 50 | LDR-Unbiased | 99.723 | 99.693 | -0.03 |
| 116 | 50 | LDR-Unbiased | 99.718 | 99.685 | -0.033 |
| 117 | 50 | LDR-Unbiased | 99.717 | 99.686 | -0.031 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.674 | 99.68 | 99.687 | 0.0091924 | 99.674 | 99.68 | 99.687 | 0.0091924 | 0 | 0 | 0 | 0 |
| 3 | 99.706 | 99.716 | 99.723 | 0.0058348 | 99.662 | 99.677 | 99.695 | 0.0095598 | -0.054 | -0.0389 | -0.027 | 0.0077381 |
| 10 | 99.706 | 99.716 | 99.723 | 0.0058348 | 99.711 | 99.723 | 99.738 | 0.0081677 | -0.005 | 0.007 | 0.016 | 0.0061101 |
| 30 | 99.706 | 99.716 | 99.723 | 0.0058348 | 99.69 | 99.697 | 99.711 | 0.0074751 | -0.026 | -0.0193 | -0.011 | 0.0056382 |
| 50 | 99.706 | 99.716 | 99.723 | 0.0058348 | 99.681 | 99.693 | 99.714 | 0.0099309 | -0.035 | -0.0236 | -0.008 | 0.0086049 |
| 100 | 99.697 | 99.712 | 99.723 | 0.0087331 | 99.693 | 99.704 | 99.719 | 0.0082191 | -0.03 | -0.00825 | 0.011 | 0.013285 |

# Device Test: 6.20 IHYS_SENSE1/SENSE1//3/0/0/0/@IHYS



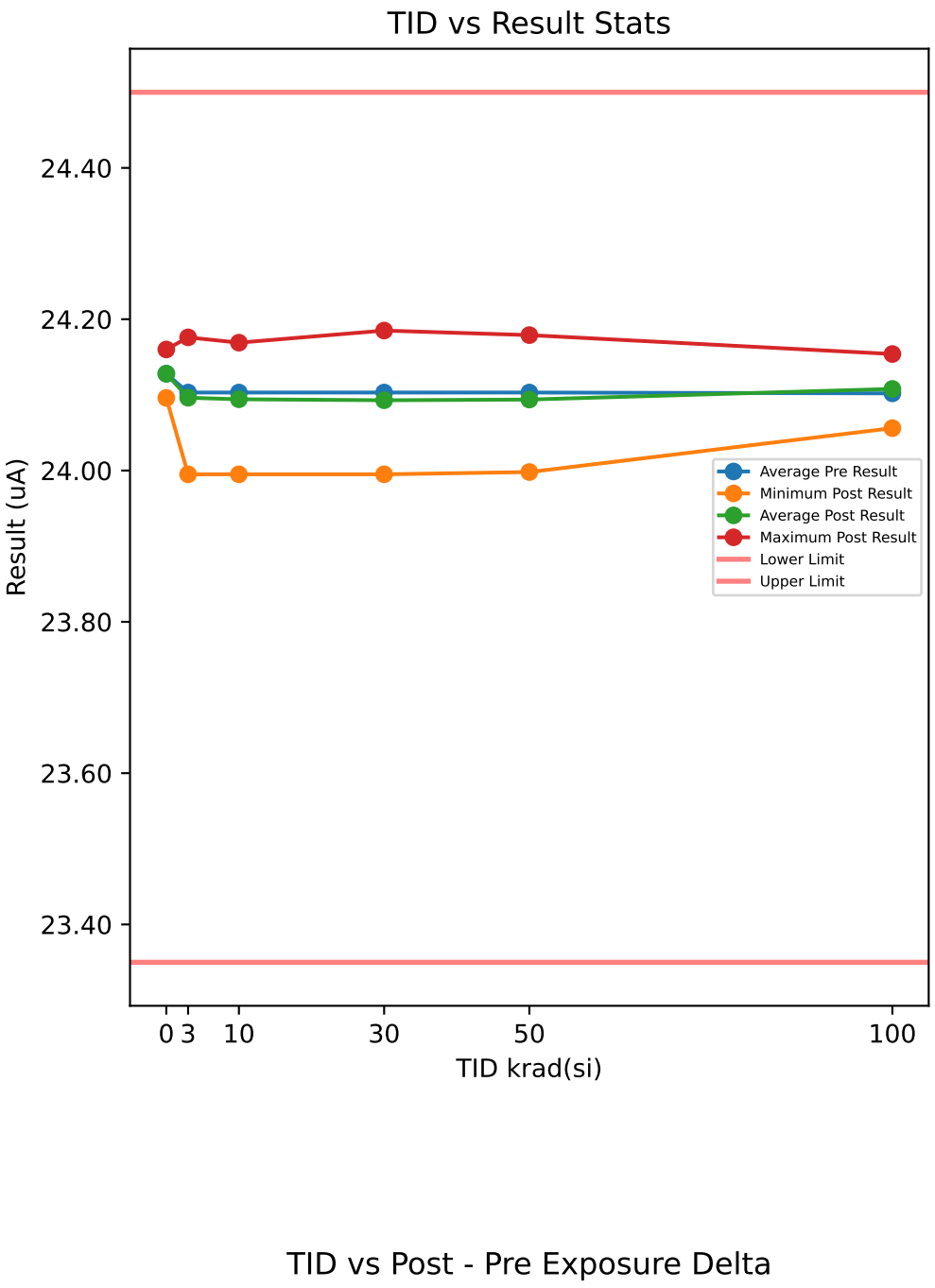

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

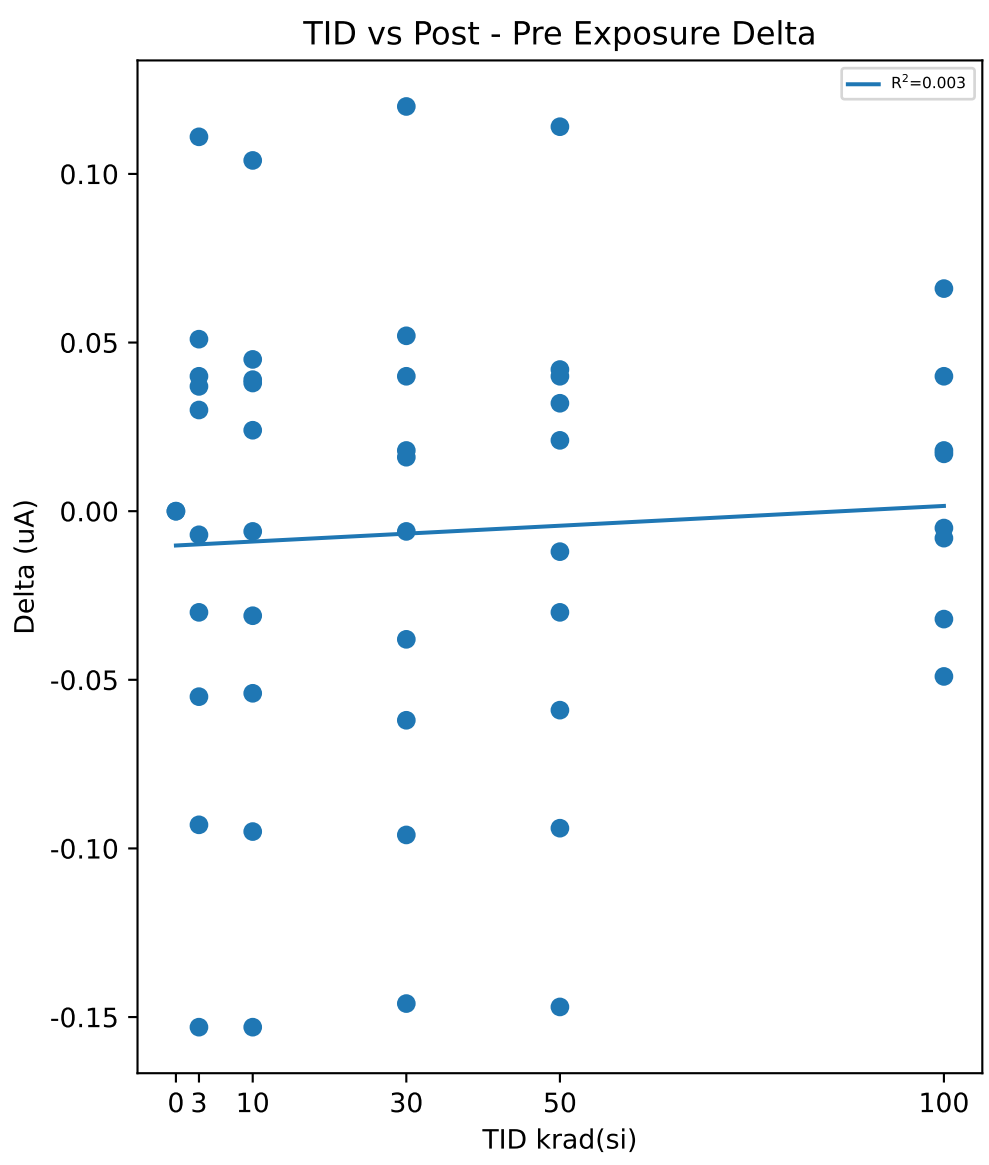
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.082 | 24.082 | 0 |
| 7 | 0 | Correlation | 24.095 | 24.095 | 0 |
| 16 | 3 | LDR-Biased | 24.098 | 24.074 | -0.024 |
| 18 | 3 | LDR-Biased | 24.083 | 24.023 | -0.06 |
| 19 | 3 | LDR-Biased | 24.097 | 24.161 | 0.064 |
| 20 | 3 | LDR-Biased | 24.13 | 24.04 | -0.09 |
| 21 | 3 | LDR-Biased | 24.066 | 24.016 | -0.05 |
| 22 | 3 | LDR-Unbiased | 24.024 | 24.055 | 0.031 |
| 23 | 3 | LDR-Unbiased | 24.044 | 24.15 | 0.106 |
| 25 | 3 | LDR-Unbiased | 24.116 | 24.073 | -0.043 |
| 26 | 3 | LDR-Unbiased | 24.107 | 24.083 | -0.024 |
| 27 | 3 | LDR-Unbiased | 24.152 | 24.095 | -0.057 |
| 46 | 10 | LDR-Biased | 24.098 | 24.074 | -0.024 |
| 48 | 10 | LDR-Biased | 24.083 | 24.022 | -0.061 |
| 49 | 10 | LDR-Biased | 24.097 | 24.153 | 0.056 |
| 50 | 10 | LDR-Biased | 24.13 | 24.039 | -0.091 |
| 51 | 10 | LDR-Biased | 24.066 | 24.007 | -0.059 |
| 52 | 10 | LDR-Unbiased | 24.024 | 24.055 | 0.031 |
| 53 | 10 | LDR-Unbiased | 24.044 | 24.145 | 0.101 |
| 55 | 10 | LDR-Unbiased | 24.116 | 24.074 | -0.042 |
| 56 | 10 | LDR-Unbiased | 24.107 | 24.085 | -0.022 |
| 57 | 10 | LDR-Unbiased | 24.152 | 24.092 | -0.06 |
| 76 | 30 | LDR-Biased | 24.098 | 24.058 | -0.04 |
| 78 | 30 | LDR-Biased | 24.083 | 24.015 | -0.068 |
| 79 | 30 | LDR-Biased | 24.097 | 24.145 | 0.048 |
| 80 | 30 | LDR-Biased | 24.13 | 24.046 | -0.084 |
| 81 | 30 | LDR-Biased | 24.066 | 24.014 | -0.052 |
| 82 | 30 | LDR-Unbiased | 24.024 | 24.048 | 0.024 |
| 83 | 30 | LDR-Unbiased | 24.044 | 24.16 | 0.116 |
| 84 | 30 | LDR-Unbiased | 24.152 | 24.091 | -0.061 |
| 85 | 30 | LDR-Unbiased | 24.116 | 24.077 | -0.039 |
| 86 | 30 | LDR-Unbiased | 24.107 | 24.084 | -0.023 |
| 87 | 100 | LDR-Biased | 24.142 | 24.11 | -0.032 |
| 88 | 100 | LDR-Biased | 24.097 | 24.082 | -0.015 |
| 90 | 100 | LDR-Biased | 24.082 | 24.082 | 0 |
| 91 | 100 | LDR-Unbiased | 24.025 | 24.016 | -0.009 |
| 93 | 100 | LDR-Unbiased | 24.066 | 24.089 | 0.023 |
| 94 | 100 | LDR-Unbiased | 24.098 | 24.107 | 0.009 |
| 95 | 100 | LDR-Unbiased | 24.112 | 24.092 | -0.02 |
| 96 | 100 | LDR-Unbiased | 24.153 | 24.111 | -0.042 |
| 106 | 50 | LDR-Biased | 24.098 | 24.067 | -0.031 |
| 108 | 50 | LDR-Biased | 24.083 | 24.02 | -0.063 |
| 109 | 50 | LDR-Biased | 24.097 | 24.152 | 0.055 |
| 110 | 50 | LDR-Biased | 24.13 | 24.046 | -0.084 |
| 111 | 50 | LDR-Biased | 24.066 | 24.005 | -0.061 |
| 112 | 50 | LDR-Unbiased | 24.024 | 24.059 | 0.035 |
| 113 | 50 | LDR-Unbiased | 24.044 | 24.155 | 0.111 |
| 115 | 50 | LDR-Unbiased | 24.116 | 24.078 | -0.038 |
| 116 | 50 | LDR-Unbiased | 24.107 | 24.078 | -0.029 |
| 117 | 50 | LDR-Unbiased | 24.152 | 24.097 | -0.055 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.082 | 24.088 | 24.095 | 0.0091924 | 24.082 | 24.088 | 24.095 | 0.0091924 | 0 | 0 | 0 | 0 |
| 3 | 24.024 | 24.092 | 24.152 | 0.038859 | 24.016 | 24.077 | 24.161 | 0.048603 | -0.09 | -0.0147 | 0.106 | 0.061988 |
| 10 | 24.024 | 24.092 | 24.152 | 0.038859 | 24.007 | 24.075 | 24.153 | 0.047729 | -0.091 | -0.0171 | 0.101 | 0.06081 |
| 30 | 24.024 | 24.092 | 24.152 | 0.038859 | 24.014 | 24.074 | 24.16 | 0.049026 | -0.084 | -0.0179 | 0.116 | 0.06226 |
| 50 | 24.024 | 24.092 | 24.152 | 0.038859 | 24.005 | 24.076 | 24.155 | 0.049342 | -0.084 | -0.016 | 0.111 | 0.062386 |
| 100 | 24.025 | 24.097 | 24.153 | 0.040982 | 24.016 | 24.086 | 24.111 | 0.03075 | -0.042 | -0.01075 | 0.023 | 0.021312 |

# Device Test: 6.21 IHYS_SENSE2/SENSE2//3/0/0/0/@IHYS



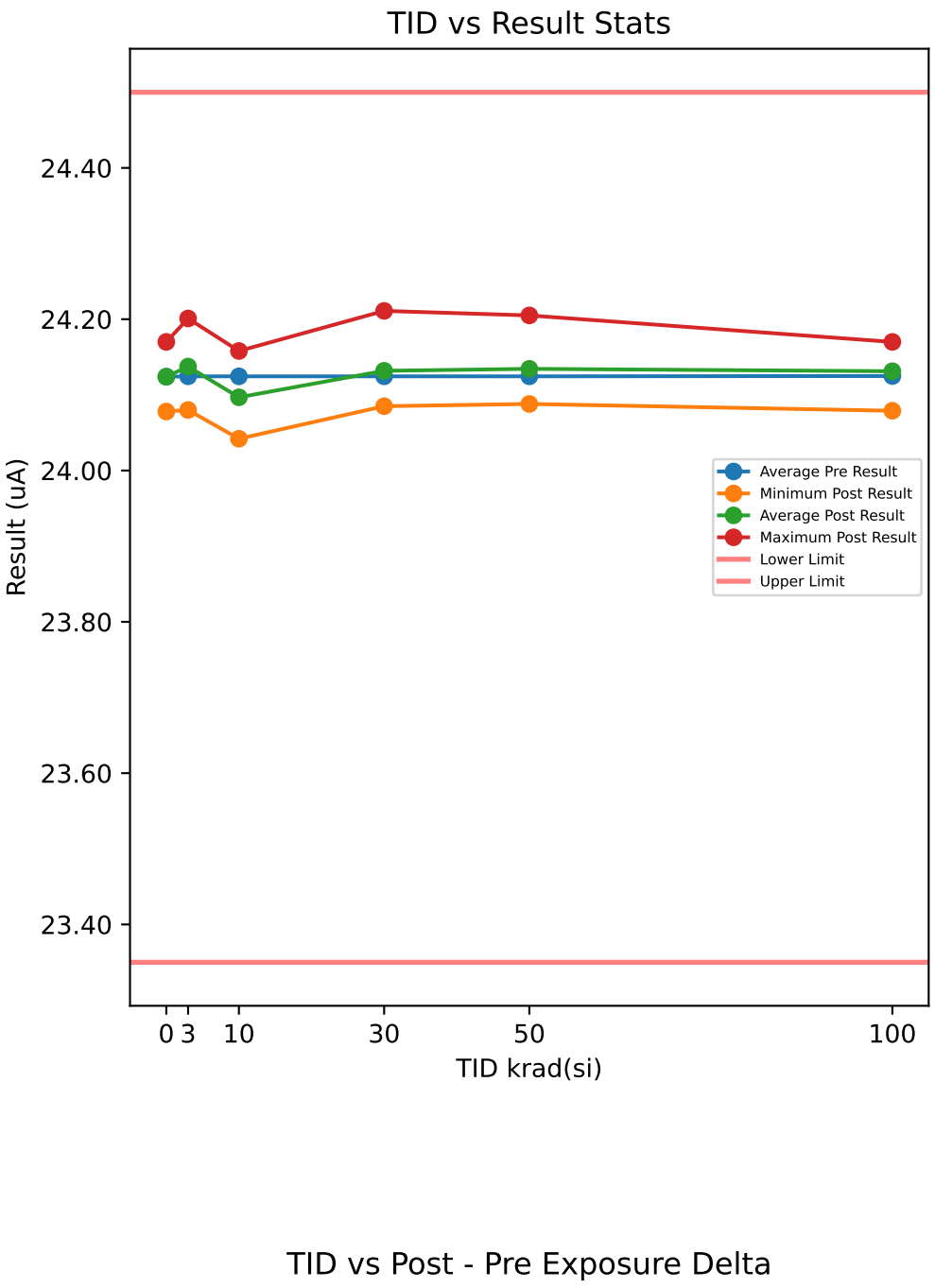

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

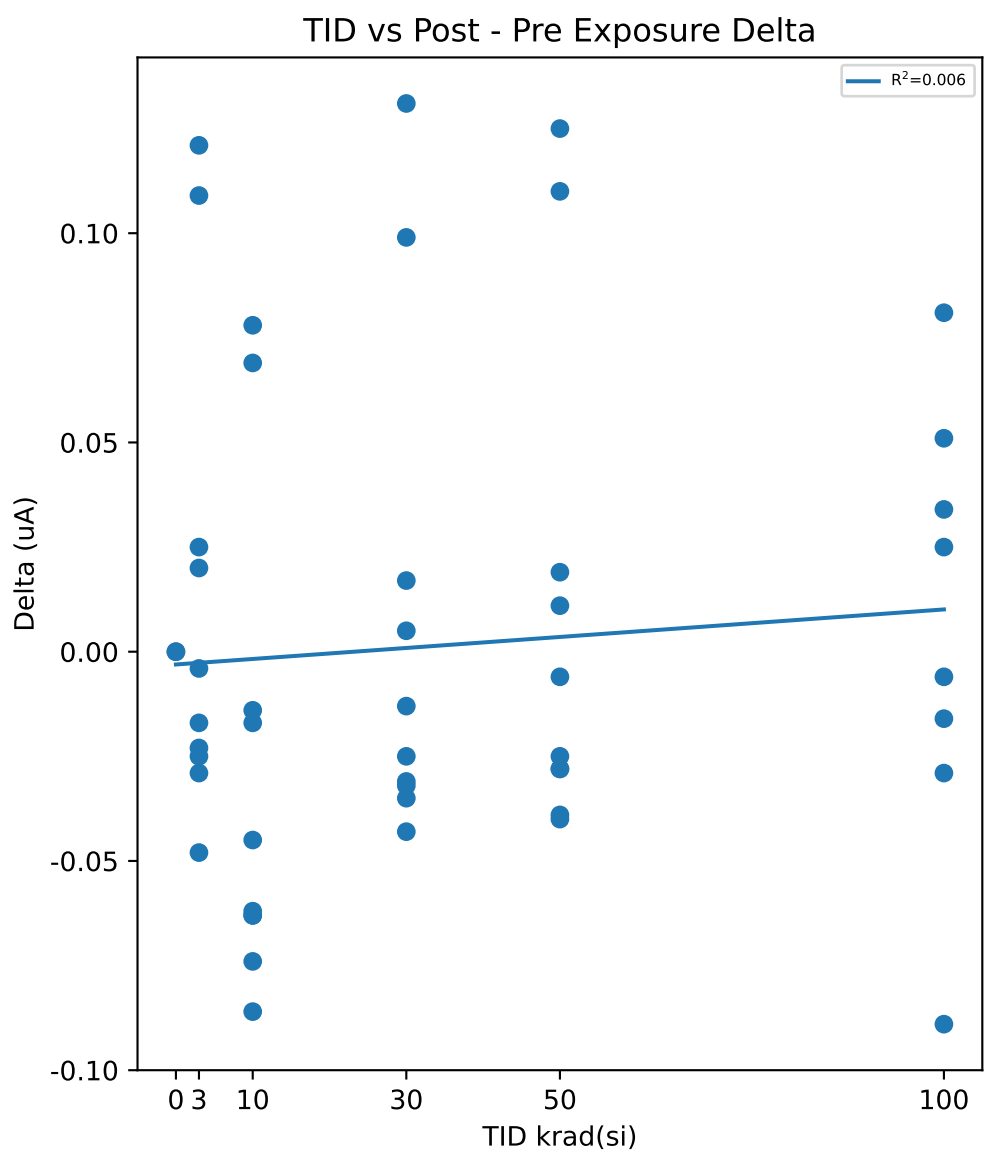
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.096 | 24.096 | 0 |
| 7 | 0 | Correlation | 24.16 | 24.16 | 0 |
| 16 | 3 | LDR-Biased | 24.105 | 24.142 | 0.037 |
| 18 | 3 | LDR-Biased | 24.057 | 24.002 | -0.055 |
| 19 | 3 | LDR-Biased | 24.104 | 24.134 | 0.03 |
| 20 | 3 | LDR-Biased | 24.148 | 23.995 | -0.153 |
| 21 | 3 | LDR-Biased | 24.072 | 24.123 | 0.051 |
| 22 | 3 | LDR-Unbiased | 24.091 | 24.061 | -0.03 |
| 23 | 3 | LDR-Unbiased | 24.065 | 24.176 | 0.111 |
| 25 | 3 | LDR-Unbiased | 24.092 | 24.132 | 0.04 |
| 26 | 3 | LDR-Unbiased | 24.111 | 24.104 | -0.007 |
| 27 | 3 | LDR-Unbiased | 24.186 | 24.093 | -0.093 |
| 46 | 10 | LDR-Biased | 24.105 | 24.143 | 0.038 |
| 48 | 10 | LDR-Biased | 24.057 | 24.003 | -0.054 |
| 49 | 10 | LDR-Biased | 24.104 | 24.128 | 0.024 |
| 50 | 10 | LDR-Biased | 24.148 | 23.995 | -0.153 |
| 51 | 10 | LDR-Biased | 24.072 | 24.117 | 0.045 |
| 52 | 10 | LDR-Unbiased | 24.091 | 24.06 | -0.031 |
| 53 | 10 | LDR-Unbiased | 24.065 | 24.169 | 0.104 |
| 55 | 10 | LDR-Unbiased | 24.092 | 24.131 | 0.039 |
| 56 | 10 | LDR-Unbiased | 24.111 | 24.105 | -0.006 |
| 57 | 10 | LDR-Unbiased | 24.186 | 24.091 | -0.095 |
| 76 | 30 | LDR-Biased | 24.105 | 24.123 | 0.018 |
| 78 | 30 | LDR-Biased | 24.057 | 23.995 | -0.062 |
| 79 | 30 | LDR-Biased | 24.104 | 24.12 | 0.016 |
| 80 | 30 | LDR-Biased | 24.148 | 24.002 | -0.146 |
| 81 | 30 | LDR-Biased | 24.072 | 24.124 | 0.052 |
| 82 | 30 | LDR-Unbiased | 24.091 | 24.053 | -0.038 |
| 83 | 30 | LDR-Unbiased | 24.065 | 24.185 | 0.12 |
| 84 | 30 | LDR-Unbiased | 24.186 | 24.09 | -0.096 |
| 85 | 30 | LDR-Unbiased | 24.092 | 24.132 | 0.04 |
| 86 | 30 | LDR-Unbiased | 24.111 | 24.105 | -0.006 |
| 87 | 100 | LDR-Biased | 24.107 | 24.124 | 0.017 |
| 88 | 100 | LDR-Biased | 24.104 | 24.096 | -0.008 |
| 90 | 100 | LDR-Biased | 24.056 | 24.096 | 0.04 |
| 91 | 100 | LDR-Unbiased | 24.091 | 24.109 | 0.018 |
| 93 | 100 | LDR-Unbiased | 24.072 | 24.138 | 0.066 |
| 94 | 100 | LDR-Unbiased | 24.105 | 24.056 | -0.049 |
| 95 | 100 | LDR-Unbiased | 24.095 | 24.09 | -0.005 |
| 96 | 100 | LDR-Unbiased | 24.186 | 24.154 | -0.032 |
| 106 | 50 | LDR-Biased | 24.105 | 24.137 | 0.032 |
| 108 | 50 | LDR-Biased | 24.057 | 23.998 | -0.059 |
| 109 | 50 | LDR-Biased | 24.104 | 24.125 | 0.021 |
| 110 | 50 | LDR-Biased | 24.148 | 24.001 | -0.147 |
| 111 | 50 | LDR-Biased | 24.072 | 24.114 | 0.042 |
| 112 | 50 | LDR-Unbiased | 24.091 | 24.061 | -0.03 |
| 113 | 50 | LDR-Unbiased | 24.065 | 24.179 | 0.114 |
| 115 | 50 | LDR-Unbiased | 24.092 | 24.132 | 0.04 |
| 116 | 50 | LDR-Unbiased | 24.111 | 24.099 | -0.012 |
| 117 | 50 | LDR-Unbiased | 24.186 | 24.092 | -0.094 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.096 | 24.128 | 24.16 | 0.045255 | 24.096 | 24.128 | 24.16 | 0.045255 | 0 | 0 | 0 | 0 |
| 3 | 24.057 | 24.103 | 24.186 | 0.039114 | 23.995 | 24.096 | 24.176 | 0.059926 | -0.153 | -0.0069 | 0.111 | 0.077708 |
| 10 | 24.057 | 24.103 | 24.186 | 0.039114 | 23.995 | 24.094 | 24.169 | 0.058164 | -0.153 | -0.0089 | 0.104 | 0.075966 |
| 30 | 24.057 | 24.103 | 24.186 | 0.039114 | 23.995 | 24.093 | 24.185 | 0.059827 | -0.146 | -0.0102 | 0.12 | 0.077531 |
| 50 | 24.057 | 24.103 | 24.186 | 0.039114 | 23.998 | 24.094 | 24.179 | 0.058558 | -0.147 | -0.0093 | 0.114 | 0.075961 |
| 100 | 24.056 | 24.102 | 24.186 | 0.038322 | 24.056 | 24.108 | 24.154 | 0.03068 | -0.049 | 0.005875 | 0.066 | 0.03743 |

# Device Test: 6.22 IHYS_SENSE3/SENSE3//3/0/0/0/@IHYS



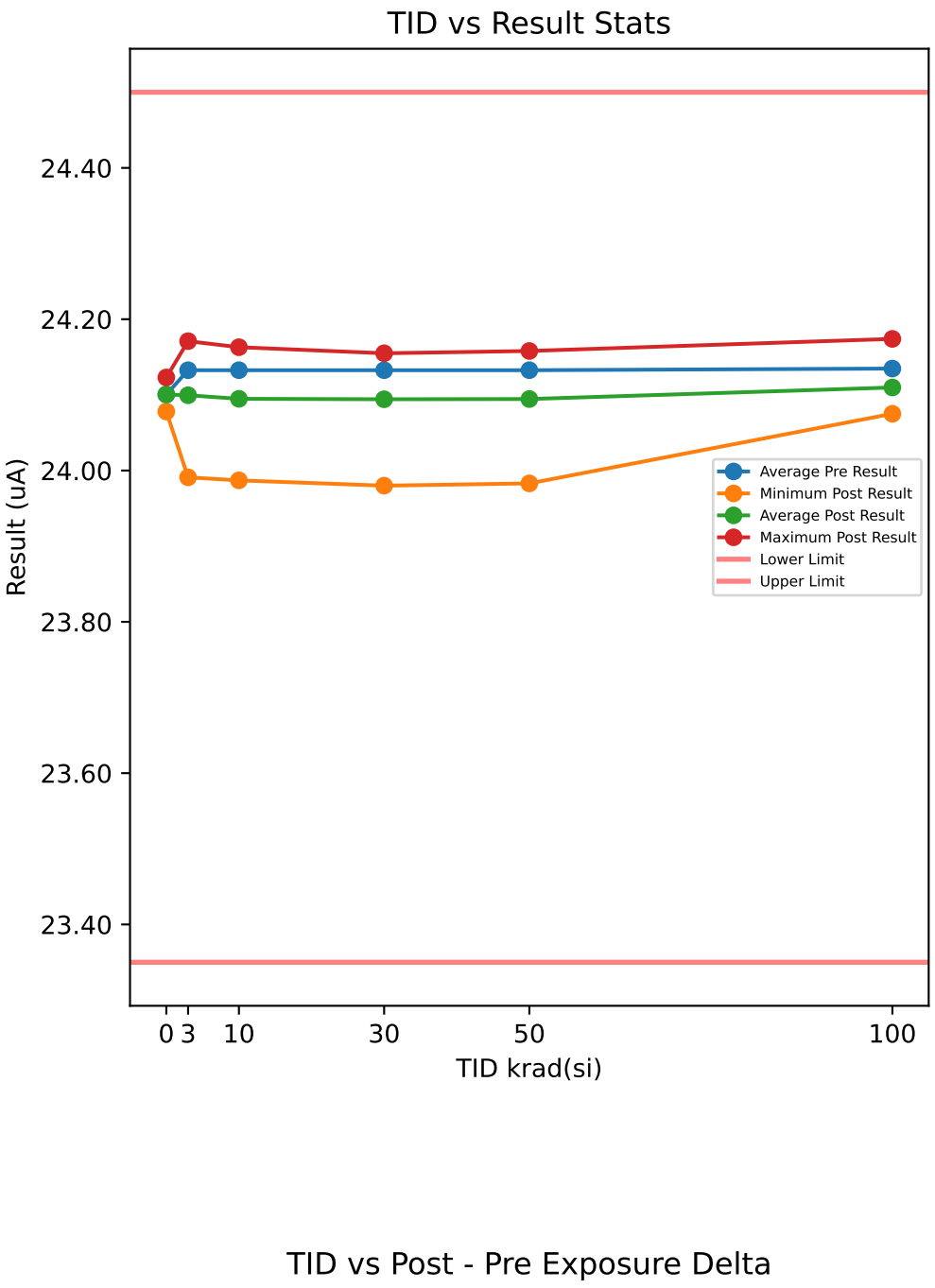

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

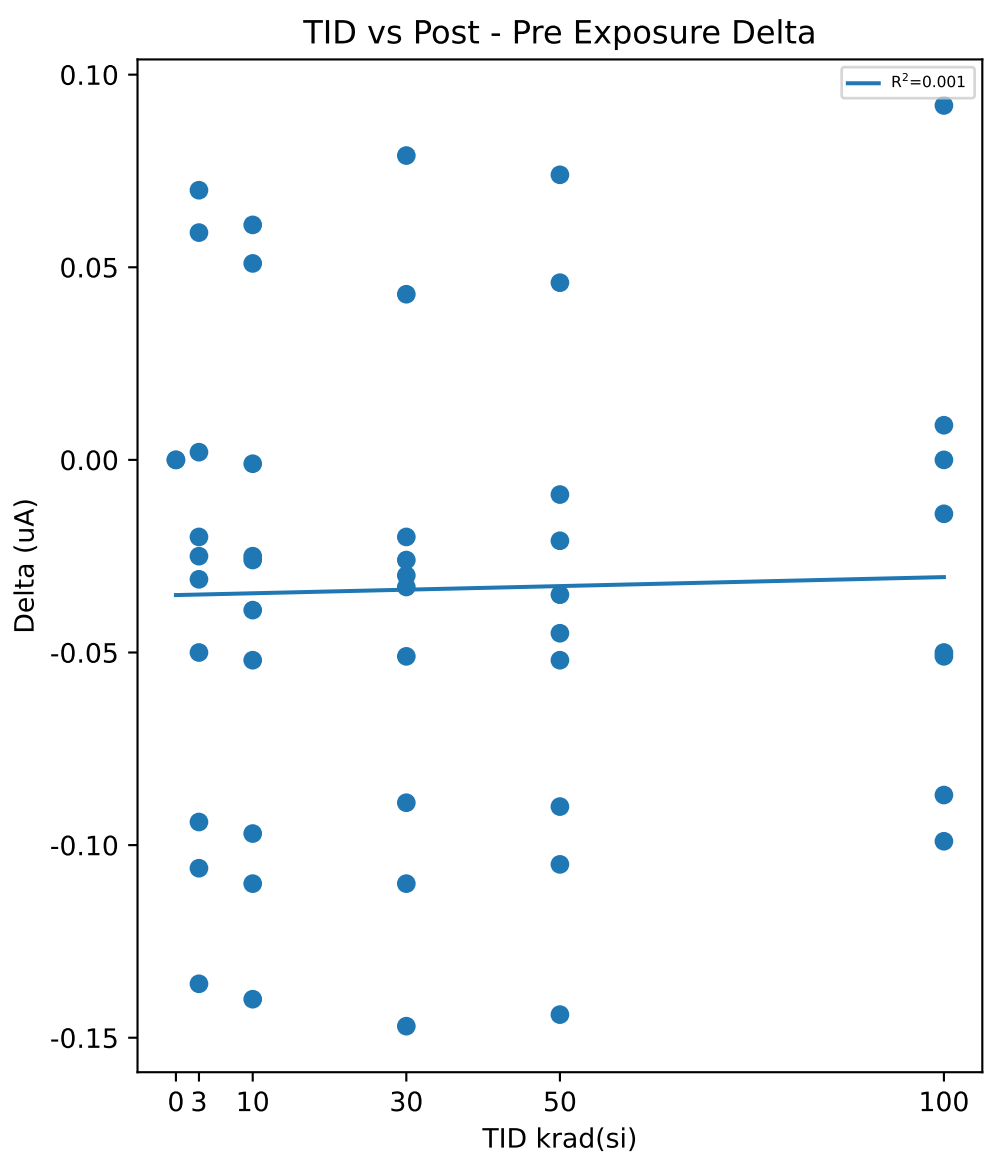
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.17 | 24.17 | 0 |
| 7 | 0 | Correlation | 24.078 | 24.078 | 0 |
| 16 | 3 | LDR-Biased | 24.12 | 24.145 | 0.025 |
| 18 | 3 | LDR-Biased | 24.137 | 24.112 | -0.025 |
| 19 | 3 | LDR-Biased | 24.167 | 24.15 | -0.017 |
| 20 | 3 | LDR-Biased | 24.128 | 24.08 | -0.048 |
| 21 | 3 | LDR-Biased | 24.143 | 24.114 | -0.029 |
| 22 | 3 | LDR-Unbiased | 24.031 | 24.14 | 0.109 |
| 23 | 3 | LDR-Unbiased | 24.08 | 24.201 | 0.121 |
| 25 | 3 | LDR-Unbiased | 24.164 | 24.141 | -0.023 |
| 26 | 3 | LDR-Unbiased | 24.107 | 24.127 | 0.02 |
| 27 | 3 | LDR-Unbiased | 24.168 | 24.164 | -0.004 |
| 46 | 10 | LDR-Biased | 24.12 | 24.106 | -0.014 |
| 48 | 10 | LDR-Biased | 24.137 | 24.074 | -0.063 |
| 49 | 10 | LDR-Biased | 24.167 | 24.104 | -0.063 |
| 50 | 10 | LDR-Biased | 24.128 | 24.042 | -0.086 |
| 51 | 10 | LDR-Biased | 24.143 | 24.069 | -0.074 |
| 52 | 10 | LDR-Unbiased | 24.031 | 24.1 | 0.069 |
| 53 | 10 | LDR-Unbiased | 24.08 | 24.158 | 0.078 |
| 55 | 10 | LDR-Unbiased | 24.164 | 24.102 | -0.062 |
| 56 | 10 | LDR-Unbiased | 24.107 | 24.09 | -0.017 |
| 57 | 10 | LDR-Unbiased | 24.168 | 24.123 | -0.045 |
| 76 | 30 | LDR-Biased | 24.12 | 24.125 | 0.005 |
| 78 | 30 | LDR-Biased | 24.137 | 24.102 | -0.035 |
| 79 | 30 | LDR-Biased | 24.167 | 24.135 | -0.032 |
| 80 | 30 | LDR-Biased | 24.128 | 24.085 | -0.043 |
| 81 | 30 | LDR-Biased | 24.143 | 24.112 | -0.031 |
| 82 | 30 | LDR-Unbiased | 24.031 | 24.13 | 0.099 |
| 83 | 30 | LDR-Unbiased | 24.08 | 24.211 | 0.131 |
| 84 | 30 | LDR-Unbiased | 24.168 | 24.155 | -0.013 |
| 85 | 30 | LDR-Unbiased | 24.164 | 24.139 | -0.025 |
| 86 | 30 | LDR-Unbiased | 24.107 | 24.124 | 0.017 |
| 87 | 100 | LDR-Biased | 24.179 | 24.15 | -0.029 |
| 88 | 100 | LDR-Biased | 24.119 | 24.17 | 0.051 |
| 90 | 100 | LDR-Biased | 24.136 | 24.17 | 0.034 |
| 91 | 100 | LDR-Unbiased | 24.031 | 24.112 | 0.081 |
| 93 | 100 | LDR-Unbiased | 24.143 | 24.168 | 0.025 |
| 94 | 100 | LDR-Unbiased | 24.119 | 24.113 | -0.006 |
| 95 | 100 | LDR-Unbiased | 24.104 | 24.088 | -0.016 |
| 96 | 100 | LDR-Unbiased | 24.168 | 24.079 | -0.089 |
| 106 | 50 | LDR-Biased | 24.12 | 24.139 | 0.019 |
| 108 | 50 | LDR-Biased | 24.137 | 24.109 | -0.028 |
| 109 | 50 | LDR-Biased | 24.167 | 24.139 | -0.028 |
| 110 | 50 | LDR-Biased | 24.128 | 24.088 | -0.04 |
| 111 | 50 | LDR-Biased | 24.143 | 24.104 | -0.039 |
| 112 | 50 | LDR-Unbiased | 24.031 | 24.141 | 0.11 |
| 113 | 50 | LDR-Unbiased | 24.08 | 24.205 | 0.125 |
| 115 | 50 | LDR-Unbiased | 24.164 | 24.139 | -0.025 |
| 116 | 50 | LDR-Unbiased | 24.107 | 24.118 | 0.011 |
| 117 | 50 | LDR-Unbiased | 24.168 | 24.162 | -0.006 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.078 | 24.124 | 24.17 | 0.065054 | 24.078 | 24.124 | 24.17 | 0.065054 | 0 | 0 | 0 | 0 |
| 3 | 24.031 | 24.125 | 24.168 | 0.043229 | 24.08 | 24.137 | 24.201 | 0.032633 | -0.048 | 0.0129 | 0.121 | 0.058202 |
| 10 | 24.031 | 24.125 | 24.168 | 0.043229 | 24.042 | 24.097 | 24.158 | 0.031531 | -0.086 | -0.0277 | 0.078 | 0.058058 |
| 30 | 24.031 | 24.125 | 24.168 | 0.043229 | 24.085 | 24.132 | 24.211 | 0.034081 | -0.043 | 0.0073 | 0.131 | 0.060181 |
| 50 | 24.031 | 24.125 | 24.168 | 0.043229 | 24.088 | 24.134 | 24.205 | 0.033073 | -0.04 | 0.0099 | 0.125 | 0.060164 |
| 100 | 24.031 | 24.125 | 24.179 | 0.045605 | 24.079 | 24.131 | 24.17 | 0.037814 | -0.089 | 0.006375 | 0.081 | 0.053012 |

# Device Test: 6.23 IHYS_SENSE4/SENSE4//3/0/0/0/@IHYS



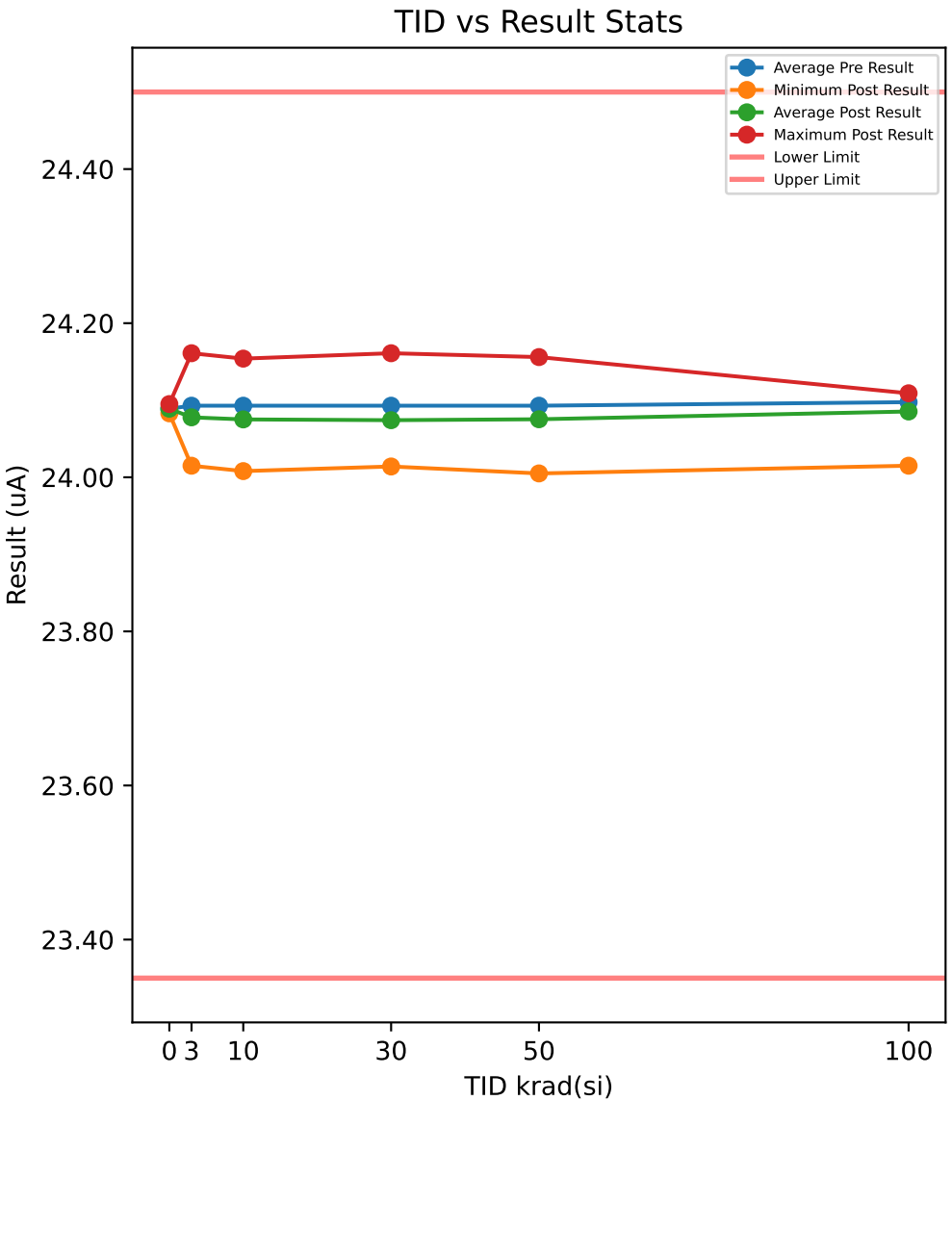

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

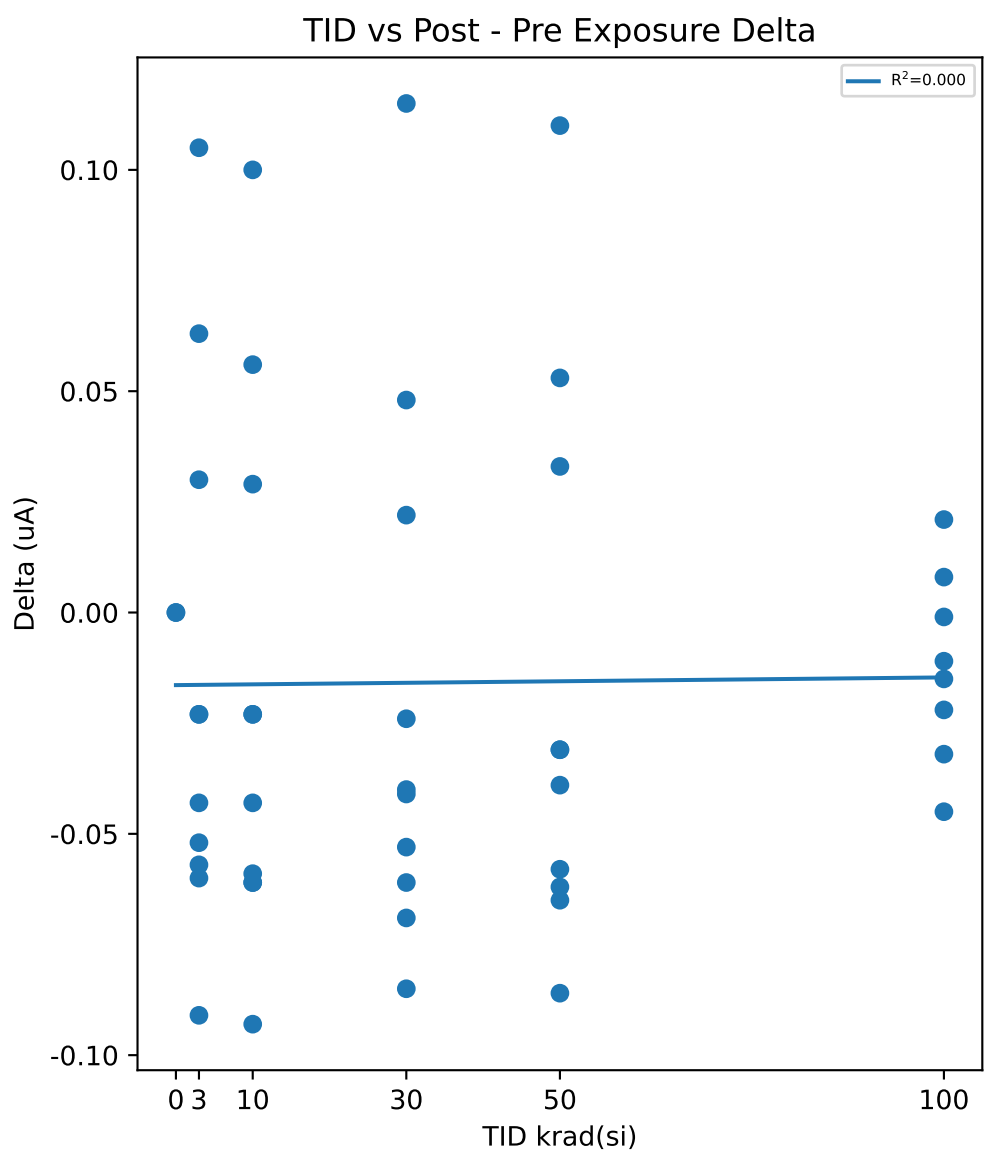
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.078 | 24.078 | 0 |
| 7 | 0 | Correlation | 24.123 | 24.123 | 0 |
| 16 | 3 | LDR-Biased | 24.127 | 24.129 | 0.002 |
| 18 | 3 | LDR-Biased | 24.127 | 23.991 | -0.136 |
| 19 | 3 | LDR-Biased | 24.112 | 24.171 | 0.059 |
| 20 | 3 | LDR-Biased | 24.159 | 24.065 | -0.094 |
| 21 | 3 | LDR-Biased | 24.083 | 24.052 | -0.031 |
| 22 | 3 | LDR-Unbiased | 24.123 | 24.103 | -0.02 |
| 23 | 3 | LDR-Unbiased | 24.068 | 24.138 | 0.07 |
| 25 | 3 | LDR-Unbiased | 24.175 | 24.125 | -0.05 |
| 26 | 3 | LDR-Unbiased | 24.138 | 24.113 | -0.025 |
| 27 | 3 | LDR-Unbiased | 24.214 | 24.108 | -0.106 |
| 46 | 10 | LDR-Biased | 24.127 | 24.126 | -0.001 |
| 48 | 10 | LDR-Biased | 24.127 | 23.987 | -0.14 |
| 49 | 10 | LDR-Biased | 24.112 | 24.163 | 0.051 |
| 50 | 10 | LDR-Biased | 24.159 | 24.062 | -0.097 |
| 51 | 10 | LDR-Biased | 24.083 | 24.044 | -0.039 |
| 52 | 10 | LDR-Unbiased | 24.123 | 24.098 | -0.025 |
| 53 | 10 | LDR-Unbiased | 24.068 | 24.129 | 0.061 |
| 55 | 10 | LDR-Unbiased | 24.175 | 24.123 | -0.052 |
| 56 | 10 | LDR-Unbiased | 24.138 | 24.112 | -0.026 |
| 57 | 10 | LDR-Unbiased | 24.214 | 24.104 | -0.11 |
| 76 | 30 | LDR-Biased | 24.127 | 24.107 | -0.02 |
| 78 | 30 | LDR-Biased | 24.127 | 23.98 | -0.147 |
| 79 | 30 | LDR-Biased | 24.112 | 24.155 | 0.043 |
| 80 | 30 | LDR-Biased | 24.159 | 24.07 | -0.089 |
| 81 | 30 | LDR-Biased | 24.083 | 24.05 | -0.033 |
| 82 | 30 | LDR-Unbiased | 24.123 | 24.093 | -0.03 |
| 83 | 30 | LDR-Unbiased | 24.068 | 24.147 | 0.079 |
| 84 | 30 | LDR-Unbiased | 24.214 | 24.104 | -0.11 |
| 85 | 30 | LDR-Unbiased | 24.175 | 24.124 | -0.051 |
| 86 | 30 | LDR-Unbiased | 24.138 | 24.112 | -0.026 |
| 87 | 100 | LDR-Biased | 24.106 | 24.106 | 0 |
| 88 | 100 | LDR-Biased | 24.126 | 24.076 | -0.05 |
| 90 | 100 | LDR-Biased | 24.127 | 24.076 | -0.051 |
| 91 | 100 | LDR-Unbiased | 24.123 | 24.132 | 0.009 |
| 93 | 100 | LDR-Unbiased | 24.082 | 24.174 | 0.092 |
| 94 | 100 | LDR-Unbiased | 24.127 | 24.113 | -0.014 |
| 95 | 100 | LDR-Unbiased | 24.174 | 24.075 | -0.099 |
| 96 | 100 | LDR-Unbiased | 24.213 | 24.126 | -0.087 |
| 106 | 50 | LDR-Biased | 24.127 | 24.118 | -0.009 |
| 108 | 50 | LDR-Biased | 24.127 | 23.983 | -0.144 |
| 109 | 50 | LDR-Biased | 24.112 | 24.158 | 0.046 |
| 110 | 50 | LDR-Biased | 24.159 | 24.069 | -0.09 |
| 111 | 50 | LDR-Biased | 24.083 | 24.038 | -0.045 |
| 112 | 50 | LDR-Unbiased | 24.123 | 24.102 | -0.021 |
| 113 | 50 | LDR-Unbiased | 24.068 | 24.142 | 0.074 |
| 115 | 50 | LDR-Unbiased | 24.175 | 24.123 | -0.052 |
| 116 | 50 | LDR-Unbiased | 24.138 | 24.103 | -0.035 |
| 117 | 50 | LDR-Unbiased | 24.214 | 24.109 | -0.105 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.078 | 24.101 | 24.123 | 0.03182 | 24.078 | 24.101 | 24.123 | 0.03182 | 0 | 0 | 0 | 0 |
| 3 | 24.068 | 24.133 | 24.214 | 0.042639 | 23.991 | 24.099 | 24.171 | 0.051208 | -0.136 | -0.0331 | 0.07 | 0.067068 |
| 10 | 24.068 | 24.133 | 24.214 | 0.042639 | 23.987 | 24.095 | 24.163 | 0.050835 | -0.14 | -0.0378 | 0.061 | 0.065549 |
| 30 | 24.068 | 24.133 | 24.214 | 0.042639 | 23.98 | 24.094 | 24.155 | 0.051133 | -0.147 | -0.0384 | 0.079 | 0.067198 |
| 50 | 24.068 | 24.133 | 24.214 | 0.042639 | 23.983 | 24.095 | 24.158 | 0.051926 | -0.144 | -0.0381 | 0.074 | 0.066176 |
| 100 | 24.082 | 24.135 | 24.213 | 0.040721 | 24.075 | 24.11 | 24.174 | 0.034636 | -0.099 | -0.025 | 0.092 | 0.061193 |

# Device Test: 6.24 IHYS_SENSE1/SENSE1//14/0/0/0/@IHYS



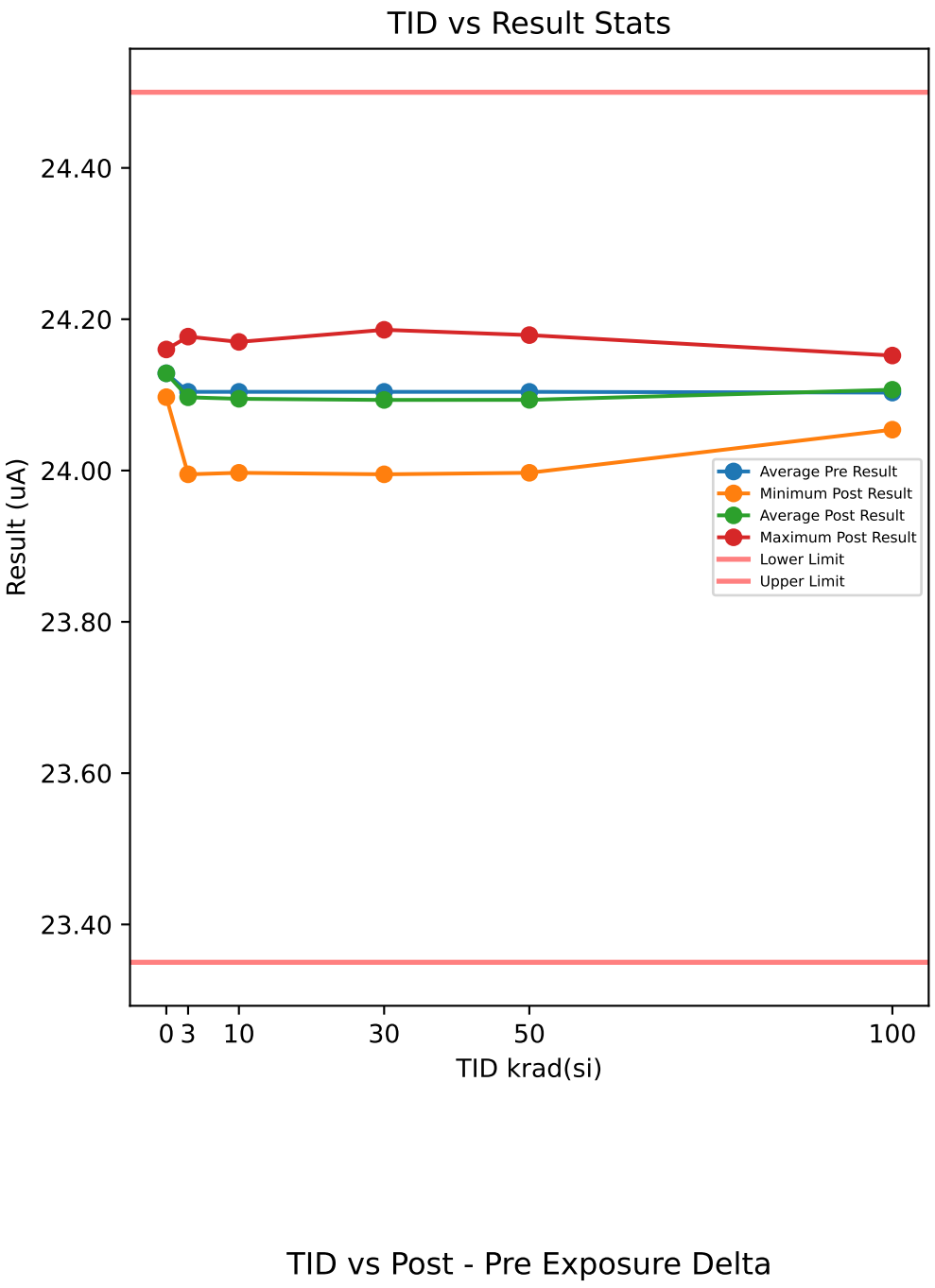

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

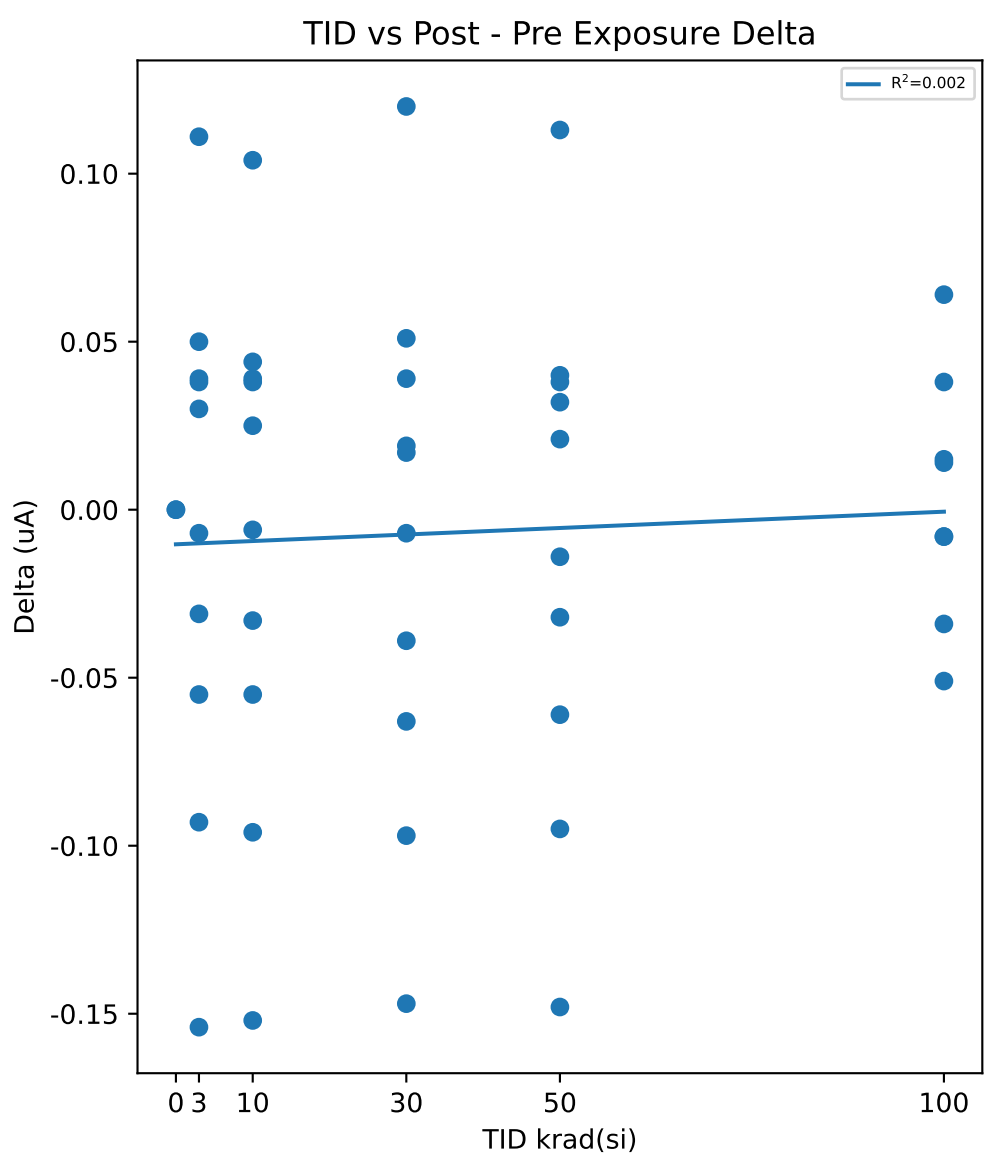
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.083 | 24.083 | 0 |
| 7 | 0 | Correlation | 24.095 | 24.095 | 0 |
| 16 | 3 | LDR-Biased | 24.098 | 24.075 | -0.023 |
| 18 | 3 | LDR-Biased | 24.084 | 24.024 | -0.06 |
| 19 | 3 | LDR-Biased | 24.098 | 24.161 | 0.063 |
| 20 | 3 | LDR-Biased | 24.132 | 24.041 | -0.091 |
| 21 | 3 | LDR-Biased | 24.067 | 24.015 | -0.052 |
| 22 | 3 | LDR-Unbiased | 24.026 | 24.056 | 0.03 |
| 23 | 3 | LDR-Unbiased | 24.046 | 24.151 | 0.105 |
| 25 | 3 | LDR-Unbiased | 24.117 | 24.074 | -0.043 |
| 26 | 3 | LDR-Unbiased | 24.108 | 24.085 | -0.023 |
| 27 | 3 | LDR-Unbiased | 24.153 | 24.096 | -0.057 |
| 46 | 10 | LDR-Biased | 24.098 | 24.075 | -0.023 |
| 48 | 10 | LDR-Biased | 24.084 | 24.023 | -0.061 |
| 49 | 10 | LDR-Biased | 24.098 | 24.154 | 0.056 |
| 50 | 10 | LDR-Biased | 24.132 | 24.039 | -0.093 |
| 51 | 10 | LDR-Biased | 24.067 | 24.008 | -0.059 |
| 52 | 10 | LDR-Unbiased | 24.026 | 24.055 | 0.029 |
| 53 | 10 | LDR-Unbiased | 24.046 | 24.146 | 0.1 |
| 55 | 10 | LDR-Unbiased | 24.117 | 24.074 | -0.043 |
| 56 | 10 | LDR-Unbiased | 24.108 | 24.085 | -0.023 |
| 57 | 10 | LDR-Unbiased | 24.153 | 24.092 | -0.061 |
| 76 | 30 | LDR-Biased | 24.098 | 24.058 | -0.04 |
| 78 | 30 | LDR-Biased | 24.084 | 24.015 | -0.069 |
| 79 | 30 | LDR-Biased | 24.098 | 24.146 | 0.048 |
| 80 | 30 | LDR-Biased | 24.132 | 24.047 | -0.085 |
| 81 | 30 | LDR-Biased | 24.067 | 24.014 | -0.053 |
| 82 | 30 | LDR-Unbiased | 24.026 | 24.048 | 0.022 |
| 83 | 30 | LDR-Unbiased | 24.046 | 24.161 | 0.115 |
| 84 | 30 | LDR-Unbiased | 24.153 | 24.092 | -0.061 |
| 85 | 30 | LDR-Unbiased | 24.117 | 24.076 | -0.041 |
| 86 | 30 | LDR-Unbiased | 24.108 | 24.084 | -0.024 |
| 87 | 100 | LDR-Biased | 24.141 | 24.109 | -0.032 |
| 88 | 100 | LDR-Biased | 24.098 | 24.083 | -0.015 |
| 90 | 100 | LDR-Biased | 24.083 | 24.082 | -0.001 |
| 91 | 100 | LDR-Unbiased | 24.026 | 24.015 | -0.011 |
| 93 | 100 | LDR-Unbiased | 24.067 | 24.088 | 0.021 |
| 94 | 100 | LDR-Unbiased | 24.098 | 24.106 | 0.008 |
| 95 | 100 | LDR-Unbiased | 24.113 | 24.091 | -0.022 |
| 96 | 100 | LDR-Unbiased | 24.154 | 24.109 | -0.045 |
| 106 | 50 | LDR-Biased | 24.098 | 24.067 | -0.031 |
| 108 | 50 | LDR-Biased | 24.084 | 24.019 | -0.065 |
| 109 | 50 | LDR-Biased | 24.098 | 24.151 | 0.053 |
| 110 | 50 | LDR-Biased | 24.132 | 24.046 | -0.086 |
| 111 | 50 | LDR-Biased | 24.067 | 24.005 | -0.062 |
| 112 | 50 | LDR-Unbiased | 24.026 | 24.059 | 0.033 |
| 113 | 50 | LDR-Unbiased | 24.046 | 24.156 | 0.11 |
| 115 | 50 | LDR-Unbiased | 24.117 | 24.078 | -0.039 |
| 116 | 50 | LDR-Unbiased | 24.108 | 24.077 | -0.031 |
| 117 | 50 | LDR-Unbiased | 24.153 | 24.095 | -0.058 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.083 | 24.089 | 24.095 | 0.0084853 | 24.083 | 24.089 | 24.095 | 0.0084853 | 0 | 0 | 0 | 0 |
| 3 | 24.026 | 24.093 | 24.153 | 0.038625 | 24.015 | 24.078 | 24.161 | 0.04871 | -0.091 | -0.0151 | 0.105 | 0.061784 |
| 10 | 24.026 | 24.093 | 24.153 | 0.038625 | 24.008 | 24.075 | 24.154 | 0.047797 | -0.093 | -0.0178 | 0.1 | 0.060816 |
| 30 | 24.026 | 24.093 | 24.153 | 0.038625 | 24.014 | 24.074 | 24.161 | 0.049355 | -0.085 | -0.0188 | 0.115 | 0.062229 |
| 50 | 24.026 | 24.093 | 24.153 | 0.038625 | 24.005 | 24.075 | 24.156 | 0.049381 | -0.086 | -0.0176 | 0.11 | 0.062514 |
| 100 | 24.026 | 24.098 | 24.154 | 0.040669 | 24.015 | 24.085 | 24.109 | 0.030589 | -0.045 | -0.012125 | 0.021 | 0.021411 |

# Device Test: 6.25 IHYS_SENSE2/SENSE2//14/0/0/0/@IHYS



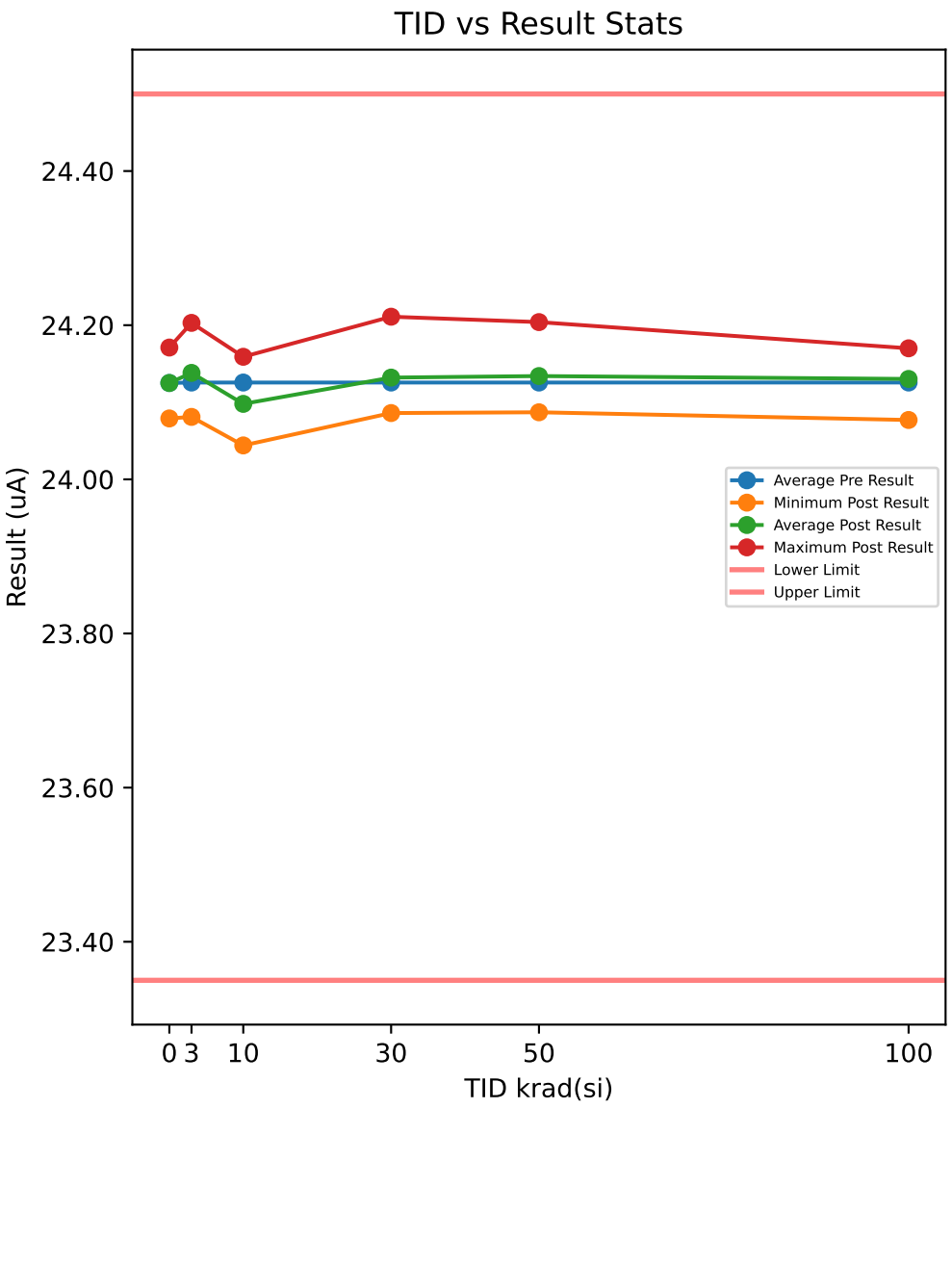

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

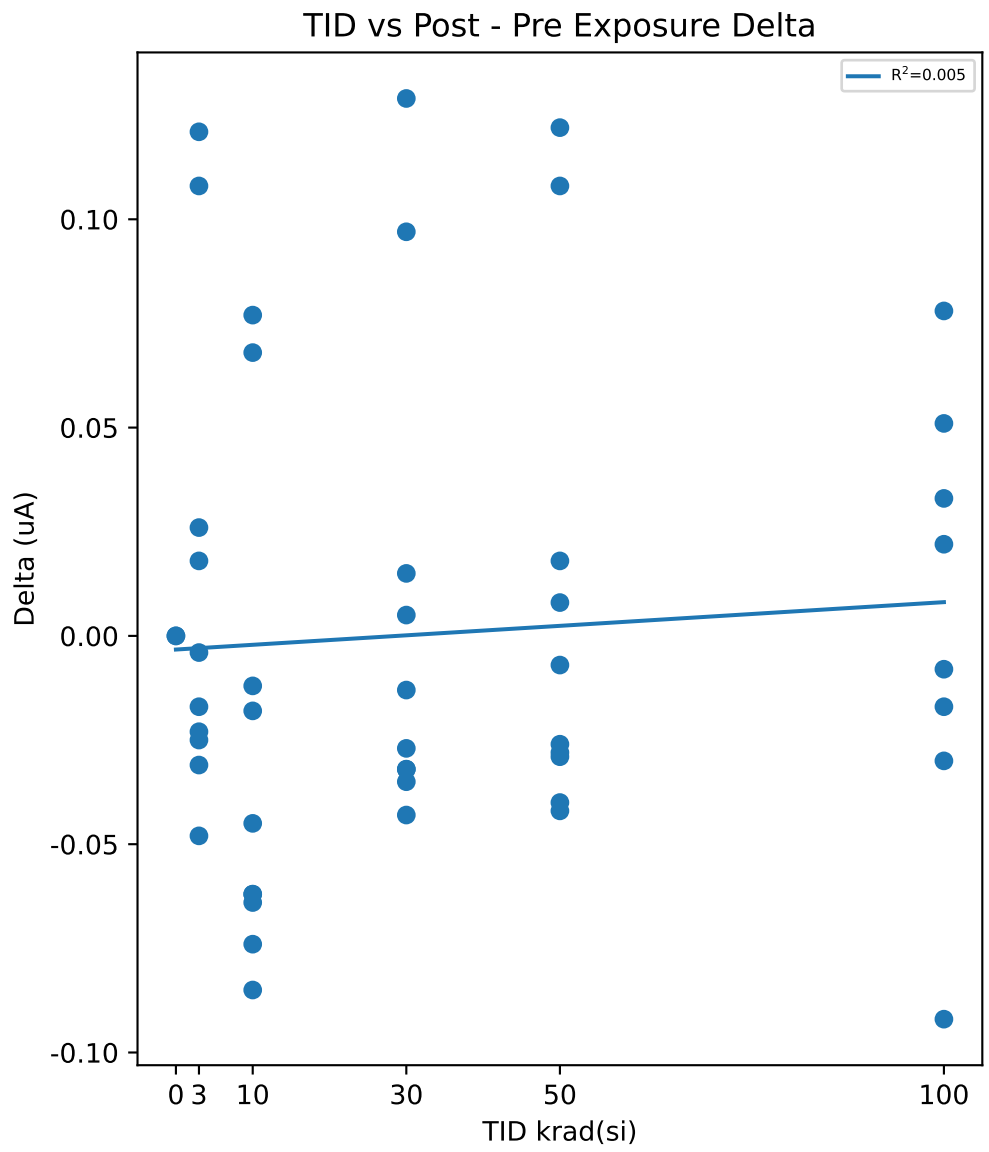
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.097 | 24.097 | 0 |
| 7 | 0 | Correlation | 24.16 | 24.16 | 0 |
| 16 | 3 | LDR-Biased | 24.105 | 24.143 | 0.038 |
| 18 | 3 | LDR-Biased | 24.058 | 24.003 | -0.055 |
| 19 | 3 | LDR-Biased | 24.104 | 24.134 | 0.03 |
| 20 | 3 | LDR-Biased | 24.149 | 23.995 | -0.154 |
| 21 | 3 | LDR-Biased | 24.073 | 24.123 | 0.05 |
| 22 | 3 | LDR-Unbiased | 24.093 | 24.062 | -0.031 |
| 23 | 3 | LDR-Unbiased | 24.066 | 24.177 | 0.111 |
| 25 | 3 | LDR-Unbiased | 24.093 | 24.132 | 0.039 |
| 26 | 3 | LDR-Unbiased | 24.112 | 24.105 | -0.007 |
| 27 | 3 | LDR-Unbiased | 24.187 | 24.094 | -0.093 |
| 46 | 10 | LDR-Biased | 24.105 | 24.143 | 0.038 |
| 48 | 10 | LDR-Biased | 24.058 | 24.003 | -0.055 |
| 49 | 10 | LDR-Biased | 24.104 | 24.129 | 0.025 |
| 50 | 10 | LDR-Biased | 24.149 | 23.997 | -0.152 |
| 51 | 10 | LDR-Biased | 24.073 | 24.117 | 0.044 |
| 52 | 10 | LDR-Unbiased | 24.093 | 24.06 | -0.033 |
| 53 | 10 | LDR-Unbiased | 24.066 | 24.17 | 0.104 |
| 55 | 10 | LDR-Unbiased | 24.093 | 24.132 | 0.039 |
| 56 | 10 | LDR-Unbiased | 24.112 | 24.106 | -0.006 |
| 57 | 10 | LDR-Unbiased | 24.187 | 24.091 | -0.096 |
| 76 | 30 | LDR-Biased | 24.105 | 24.124 | 0.019 |
| 78 | 30 | LDR-Biased | 24.058 | 23.995 | -0.063 |
| 79 | 30 | LDR-Biased | 24.104 | 24.121 | 0.017 |
| 80 | 30 | LDR-Biased | 24.149 | 24.002 | -0.147 |
| 81 | 30 | LDR-Biased | 24.073 | 24.124 | 0.051 |
| 82 | 30 | LDR-Unbiased | 24.093 | 24.054 | -0.039 |
| 83 | 30 | LDR-Unbiased | 24.066 | 24.186 | 0.12 |
| 84 | 30 | LDR-Unbiased | 24.187 | 24.09 | -0.097 |
| 85 | 30 | LDR-Unbiased | 24.093 | 24.132 | 0.039 |
| 86 | 30 | LDR-Unbiased | 24.112 | 24.105 | -0.007 |
| 87 | 100 | LDR-Biased | 24.108 | 24.123 | 0.015 |
| 88 | 100 | LDR-Biased | 24.105 | 24.097 | -0.008 |
| 90 | 100 | LDR-Biased | 24.058 | 24.096 | 0.038 |
| 91 | 100 | LDR-Unbiased | 24.093 | 24.107 | 0.014 |
| 93 | 100 | LDR-Unbiased | 24.073 | 24.137 | 0.064 |
| 94 | 100 | LDR-Unbiased | 24.105 | 24.054 | -0.051 |
| 95 | 100 | LDR-Unbiased | 24.096 | 24.088 | -0.008 |
| 96 | 100 | LDR-Unbiased | 24.186 | 24.152 | -0.034 |
| 106 | 50 | LDR-Biased | 24.105 | 24.137 | 0.032 |
| 108 | 50 | LDR-Biased | 24.058 | 23.997 | -0.061 |
| 109 | 50 | LDR-Biased | 24.104 | 24.125 | 0.021 |
| 110 | 50 | LDR-Biased | 24.149 | 24.001 | -0.148 |
| 111 | 50 | LDR-Biased | 24.073 | 24.113 | 0.04 |
| 112 | 50 | LDR-Unbiased | 24.093 | 24.061 | -0.032 |
| 113 | 50 | LDR-Unbiased | 24.066 | 24.179 | 0.113 |
| 115 | 50 | LDR-Unbiased | 24.093 | 24.131 | 0.038 |
| 116 | 50 | LDR-Unbiased | 24.112 | 24.098 | -0.014 |
| 117 | 50 | LDR-Unbiased | 24.187 | 24.092 | -0.095 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.097 | 24.129 | 24.16 | 0.044548 | 24.097 | 24.129 | 24.16 | 0.044548 | 0 | 0 | 0 | 0 |
| 3 | 24.058 | 24.104 | 24.187 | 0.039075 | 23.995 | 24.097 | 24.177 | 0.059929 | -0.154 | -0.0072 | 0.111 | 0.077866 |
| 10 | 24.058 | 24.104 | 24.187 | 0.039075 | 23.997 | 24.095 | 24.17 | 0.058088 | -0.152 | -0.0092 | 0.104 | 0.075987 |
| 30 | 24.058 | 24.104 | 24.187 | 0.039075 | 23.995 | 24.093 | 24.186 | 0.060032 | -0.147 | -0.0107 | 0.12 | 0.077877 |
| 50 | 24.058 | 24.104 | 24.187 | 0.039075 | 23.997 | 24.093 | 24.179 | 0.058622 | -0.148 | -0.0106 | 0.113 | 0.07603 |
| 100 | 24.058 | 24.103 | 24.186 | 0.037789 | 24.054 | 24.107 | 24.152 | 0.03064 | -0.051 | 0.00375 | 0.064 | 0.037289 |

# Device Test: 6.26 IHYS_SENSE3/SENSE3//14/0/0/0/@IHYS



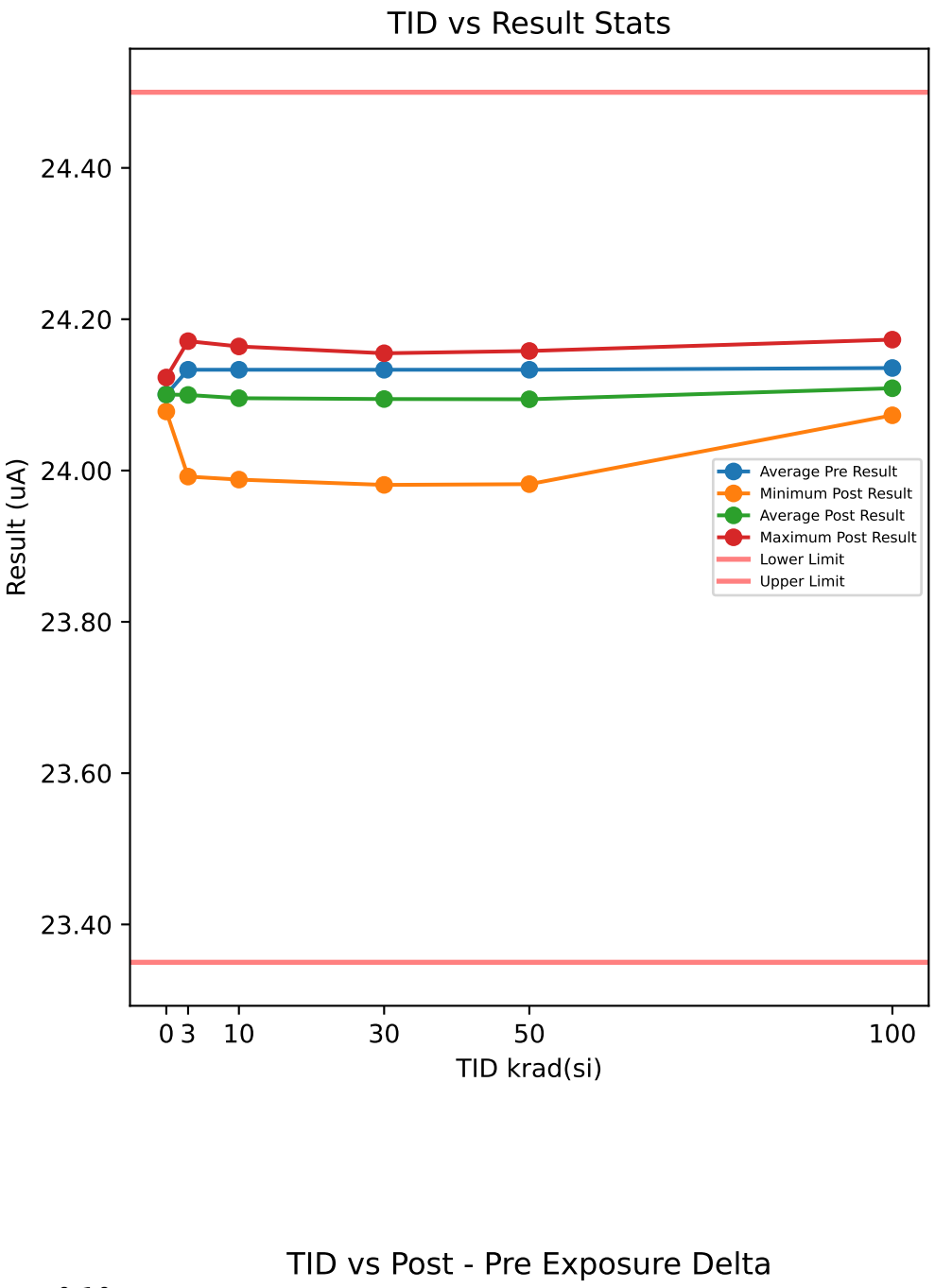

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

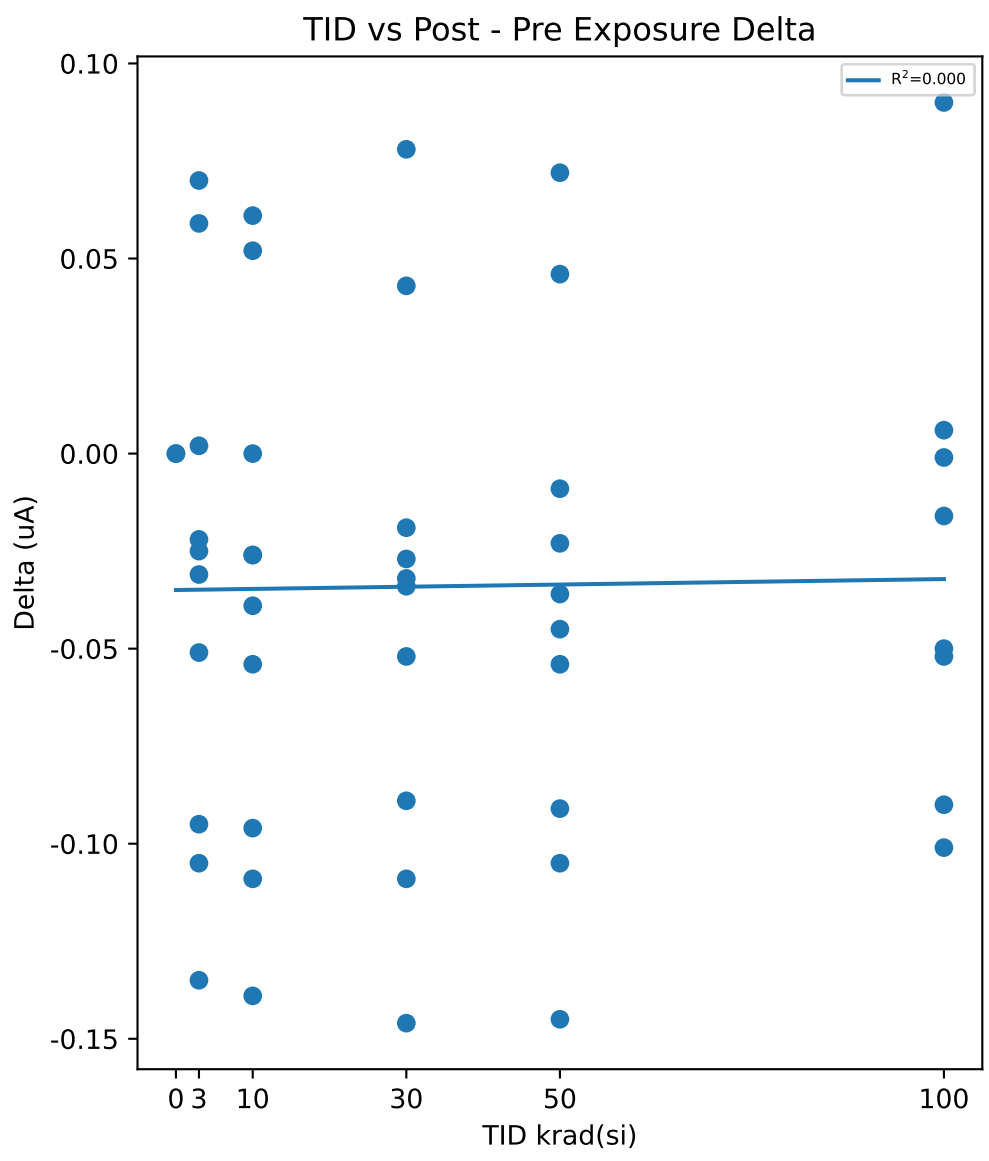
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.171 | 24.171 | 0 |
| 7 | 0 | Correlation | 24.079 | 24.079 | 0 |
| 16 | 3 | LDR-Biased | 24.12 | 24.146 | 0.026 |
| 18 | 3 | LDR-Biased | 24.138 | 24.113 | -0.025 |
| 19 | 3 | LDR-Biased | 24.167 | 24.15 | -0.017 |
| 20 | 3 | LDR-Biased | 24.129 | 24.081 | -0.048 |
| 21 | 3 | LDR-Biased | 24.144 | 24.113 | -0.031 |
| 22 | 3 | LDR-Unbiased | 24.033 | 24.141 | 0.108 |
| 23 | 3 | LDR-Unbiased | 24.082 | 24.203 | 0.121 |
| 25 | 3 | LDR-Unbiased | 24.165 | 24.142 | -0.023 |
| 26 | 3 | LDR-Unbiased | 24.109 | 24.127 | 0.018 |
| 27 | 3 | LDR-Unbiased | 24.169 | 24.165 | -0.004 |
| 46 | 10 | LDR-Biased | 24.12 | 24.108 | -0.012 |
| 48 | 10 | LDR-Biased | 24.138 | 24.074 | -0.064 |
| 49 | 10 | LDR-Biased | 24.167 | 24.105 | -0.062 |
| 50 | 10 | LDR-Biased | 24.129 | 24.044 | -0.085 |
| 51 | 10 | LDR-Biased | 24.144 | 24.07 | -0.074 |
| 52 | 10 | LDR-Unbiased | 24.033 | 24.101 | 0.068 |
| 53 | 10 | LDR-Unbiased | 24.082 | 24.159 | 0.077 |
| 55 | 10 | LDR-Unbiased | 24.165 | 24.103 | -0.062 |
| 56 | 10 | LDR-Unbiased | 24.109 | 24.091 | -0.018 |
| 57 | 10 | LDR-Unbiased | 24.169 | 24.124 | -0.045 |
| 76 | 30 | LDR-Biased | 24.12 | 24.125 | 0.005 |
| 78 | 30 | LDR-Biased | 24.138 | 24.103 | -0.035 |
| 79 | 30 | LDR-Biased | 24.167 | 24.135 | -0.032 |
| 80 | 30 | LDR-Biased | 24.129 | 24.086 | -0.043 |
| 81 | 30 | LDR-Biased | 24.144 | 24.112 | -0.032 |
| 82 | 30 | LDR-Unbiased | 24.033 | 24.13 | 0.097 |
| 83 | 30 | LDR-Unbiased | 24.082 | 24.211 | 0.129 |
| 84 | 30 | LDR-Unbiased | 24.169 | 24.156 | -0.013 |
| 85 | 30 | LDR-Unbiased | 24.165 | 24.138 | -0.027 |
| 86 | 30 | LDR-Unbiased | 24.109 | 24.124 | 0.015 |
| 87 | 100 | LDR-Biased | 24.179 | 24.149 | -0.03 |
| 88 | 100 | LDR-Biased | 24.119 | 24.17 | 0.051 |
| 90 | 100 | LDR-Biased | 24.137 | 24.17 | 0.033 |
| 91 | 100 | LDR-Unbiased | 24.033 | 24.111 | 0.078 |
| 93 | 100 | LDR-Unbiased | 24.144 | 24.166 | 0.022 |
| 94 | 100 | LDR-Unbiased | 24.12 | 24.112 | -0.008 |
| 95 | 100 | LDR-Unbiased | 24.104 | 24.087 | -0.017 |
| 96 | 100 | LDR-Unbiased | 24.169 | 24.077 | -0.092 |
| 106 | 50 | LDR-Biased | 24.12 | 24.138 | 0.018 |
| 108 | 50 | LDR-Biased | 24.138 | 24.109 | -0.029 |
| 109 | 50 | LDR-Biased | 24.167 | 24.139 | -0.028 |
| 110 | 50 | LDR-Biased | 24.129 | 24.087 | -0.042 |
| 111 | 50 | LDR-Biased | 24.144 | 24.104 | -0.04 |
| 112 | 50 | LDR-Unbiased | 24.033 | 24.141 | 0.108 |
| 113 | 50 | LDR-Unbiased | 24.082 | 24.204 | 0.122 |
| 115 | 50 | LDR-Unbiased | 24.165 | 24.139 | -0.026 |
| 116 | 50 | LDR-Unbiased | 24.109 | 24.117 | 0.008 |
| 117 | 50 | LDR-Unbiased | 24.169 | 24.162 | -0.007 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.079 | 24.125 | 24.171 | 0.065054 | 24.079 | 24.125 | 24.171 | 0.065054 | 0 | 0 | 0 | 0 |
| 3 | 24.033 | 24.126 | 24.169 | 0.042735 | 24.081 | 24.138 | 24.203 | 0.03301 | -0.048 | 0.0125 | 0.121 | 0.058182 |
| 10 | 24.033 | 24.126 | 24.169 | 0.042735 | 24.044 | 24.098 | 24.159 | 0.031455 | -0.085 | -0.0277 | 0.077 | 0.057598 |
| 30 | 24.033 | 24.126 | 24.169 | 0.042735 | 24.086 | 24.132 | 24.211 | 0.033889 | -0.043 | 0.0064 | 0.129 | 0.059545 |
| 50 | 24.033 | 24.126 | 24.169 | 0.042735 | 24.087 | 24.134 | 24.204 | 0.033035 | -0.042 | 0.0084 | 0.122 | 0.059577 |
| 100 | 24.033 | 24.126 | 24.179 | 0.045229 | 24.077 | 24.13 | 24.17 | 0.038172 | -0.092 | 0.004625 | 0.078 | 0.05319 |

# Device Test: 6.27 IHYS_SENSE4/SENSE4//14/0/0/0/@IHYS



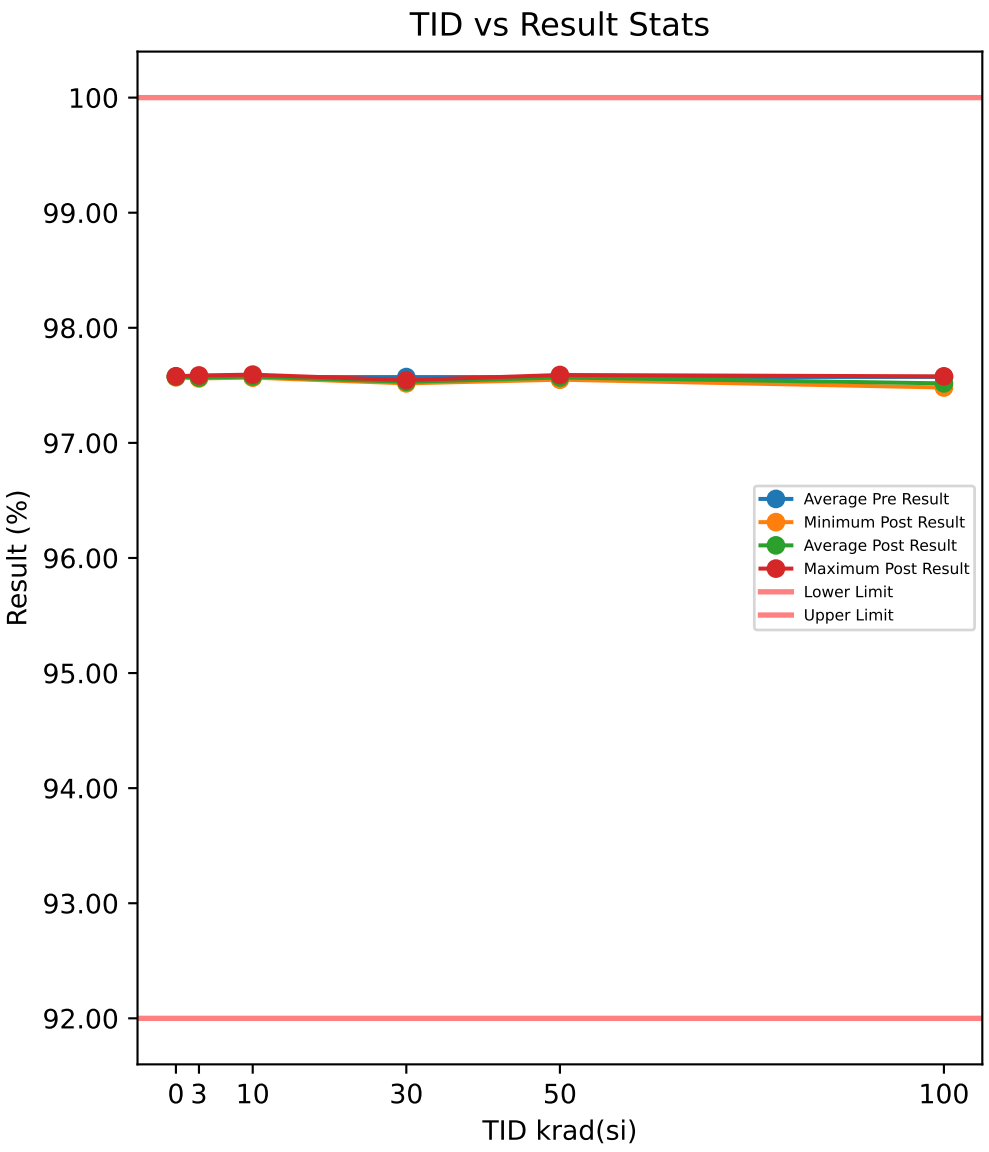

Test Results (Lower Limit = 23.35, Upper Limit = 24.5 (uA))

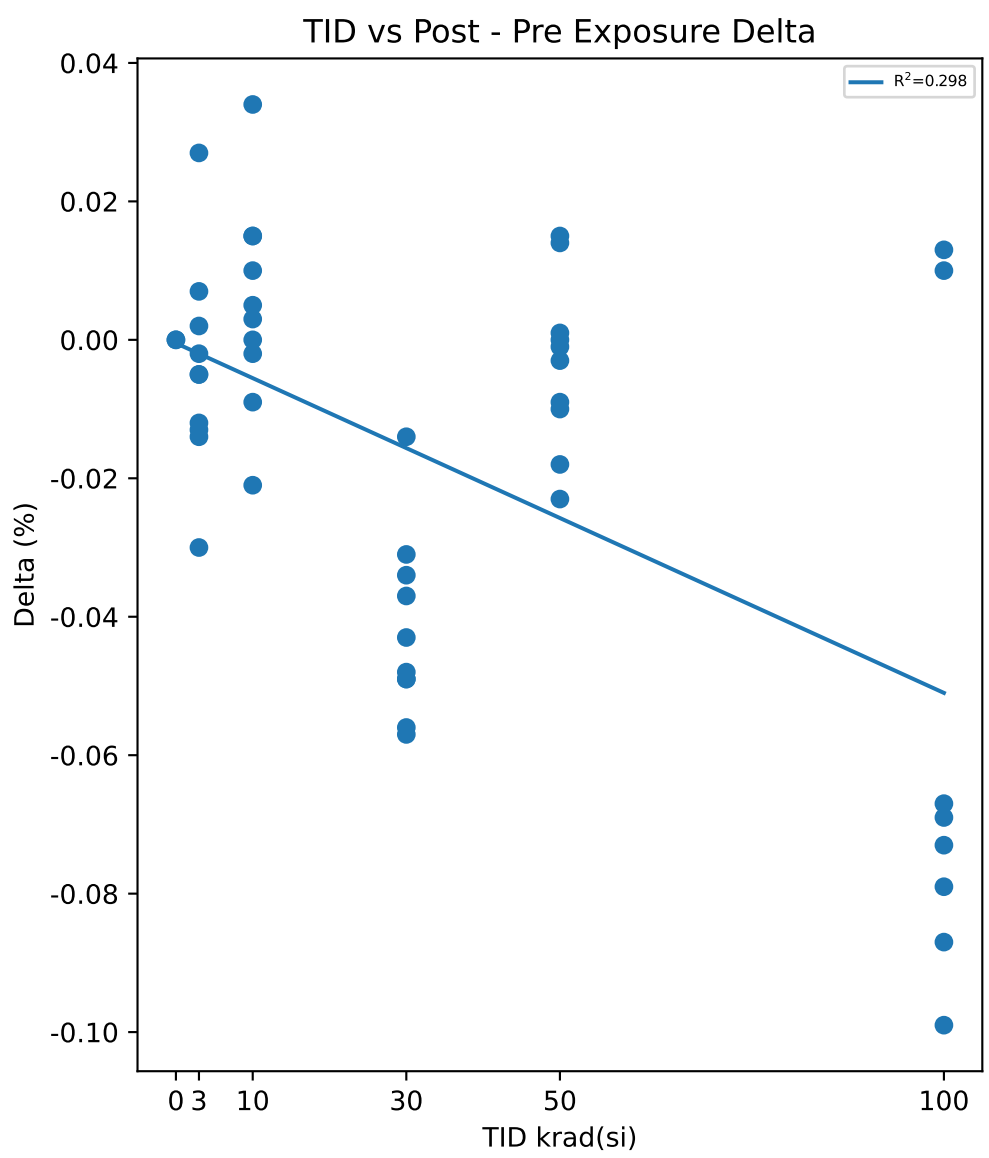
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 24.078 | 24.078 | 0 |
| 7 | 0 | Correlation | 24.123 | 24.123 | 0 |
| 16 | 3 | LDR-Biased | 24.127 | 24.129 | 0.002 |
| 18 | 3 | LDR-Biased | 24.127 | 23.992 | -0.135 |
| 19 | 3 | LDR-Biased | 24.112 | 24.171 | 0.059 |
| 20 | 3 | LDR-Biased | 24.16 | 24.065 | -0.095 |
| 21 | 3 | LDR-Biased | 24.083 | 24.052 | -0.031 |
| 22 | 3 | LDR-Unbiased | 24.125 | 24.103 | -0.022 |
| 23 | 3 | LDR-Unbiased | 24.069 | 24.139 | 0.07 |
| 25 | 3 | LDR-Unbiased | 24.176 | 24.125 | -0.051 |
| 26 | 3 | LDR-Unbiased | 24.139 | 24.114 | -0.025 |
| 27 | 3 | LDR-Unbiased | 24.214 | 24.109 | -0.105 |
| 46 | 10 | LDR-Biased | 24.127 | 24.127 | 0 |
| 48 | 10 | LDR-Biased | 24.127 | 23.988 | -0.139 |
| 49 | 10 | LDR-Biased | 24.112 | 24.164 | 0.052 |
| 50 | 10 | LDR-Biased | 24.16 | 24.064 | -0.096 |
| 51 | 10 | LDR-Biased | 24.083 | 24.044 | -0.039 |
| 52 | 10 | LDR-Unbiased | 24.125 | 24.099 | -0.026 |
| 53 | 10 | LDR-Unbiased | 24.069 | 24.13 | 0.061 |
| 55 | 10 | LDR-Unbiased | 24.176 | 24.122 | -0.054 |
| 56 | 10 | LDR-Unbiased | 24.139 | 24.113 | -0.026 |
| 57 | 10 | LDR-Unbiased | 24.214 | 24.105 | -0.109 |
| 76 | 30 | LDR-Biased | 24.127 | 24.108 | -0.019 |
| 78 | 30 | LDR-Biased | 24.127 | 23.981 | -0.146 |
| 79 | 30 | LDR-Biased | 24.112 | 24.155 | 0.043 |
| 80 | 30 | LDR-Biased | 24.16 | 24.071 | -0.089 |
| 81 | 30 | LDR-Biased | 24.083 | 24.049 | -0.034 |
| 82 | 30 | LDR-Unbiased | 24.125 | 24.093 | -0.032 |
| 83 | 30 | LDR-Unbiased | 24.069 | 24.147 | 0.078 |
| 84 | 30 | LDR-Unbiased | 24.214 | 24.105 | -0.109 |
| 85 | 30 | LDR-Unbiased | 24.176 | 24.124 | -0.052 |
| 86 | 30 | LDR-Unbiased | 24.139 | 24.112 | -0.027 |
| 87 | 100 | LDR-Biased | 24.106 | 24.105 | -0.001 |
| 88 | 100 | LDR-Biased | 24.127 | 24.077 | -0.05 |
| 90 | 100 | LDR-Biased | 24.128 | 24.076 | -0.052 |
| 91 | 100 | LDR-Unbiased | 24.125 | 24.131 | 0.006 |
| 93 | 100 | LDR-Unbiased | 24.083 | 24.173 | 0.09 |
| 94 | 100 | LDR-Unbiased | 24.127 | 24.111 | -0.016 |
| 95 | 100 | LDR-Unbiased | 24.174 | 24.073 | -0.101 |
| 96 | 100 | LDR-Unbiased | 24.214 | 24.124 | -0.09 |
| 106 | 50 | LDR-Biased | 24.127 | 24.118 | -0.009 |
| 108 | 50 | LDR-Biased | 24.127 | 23.982 | -0.145 |
| 109 | 50 | LDR-Biased | 24.112 | 24.158 | 0.046 |
| 110 | 50 | LDR-Biased | 24.16 | 24.069 | -0.091 |
| 111 | 50 | LDR-Biased | 24.083 | 24.038 | -0.045 |
| 112 | 50 | LDR-Unbiased | 24.125 | 24.102 | -0.023 |
| 113 | 50 | LDR-Unbiased | 24.069 | 24.141 | 0.072 |
| 115 | 50 | LDR-Unbiased | 24.176 | 24.122 | -0.054 |
| 116 | 50 | LDR-Unbiased | 24.139 | 24.103 | -0.036 |
| 117 | 50 | LDR-Unbiased | 24.214 | 24.109 | -0.105 |

Test Statistics (uA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 24.078 | 24.101 | 24.123 | 0.03182 | 24.078 | 24.101 | 24.123 | 0.03182 | 0 | 0 | 0 | 0 |
| 3 | 24.069 | 24.133 | 24.214 | 0.042619 | 23.992 | 24.1 | 24.171 | 0.051107 | -0.135 | -0.0333 | 0.07 | 0.066868 |
| 10 | 24.069 | 24.133 | 24.214 | 0.042619 | 23.988 | 24.096 | 24.164 | 0.050757 | -0.139 | -0.0376 | 0.061 | 0.0654 |
| 30 | 24.069 | 24.133 | 24.214 | 0.042619 | 23.981 | 24.095 | 24.155 | 0.050982 | -0.146 | -0.0387 | 0.078 | 0.066707 |
| 50 | 24.069 | 24.133 | 24.214 | 0.042619 | 23.982 | 24.094 | 24.158 | 0.052004 | -0.145 | -0.039 | 0.072 | 0.066054 |
| 100 | 24.083 | 24.136 | 24.214 | 0.040676 | 24.073 | 24.109 | 24.173 | 0.034296 | -0.101 | -0.02675 | 0.09 | 0.061148 |

# Device Test: 6.28 VOH_2mA_EN1/EN1/1.6/3/0/0/2/@VOH_EN_2MA



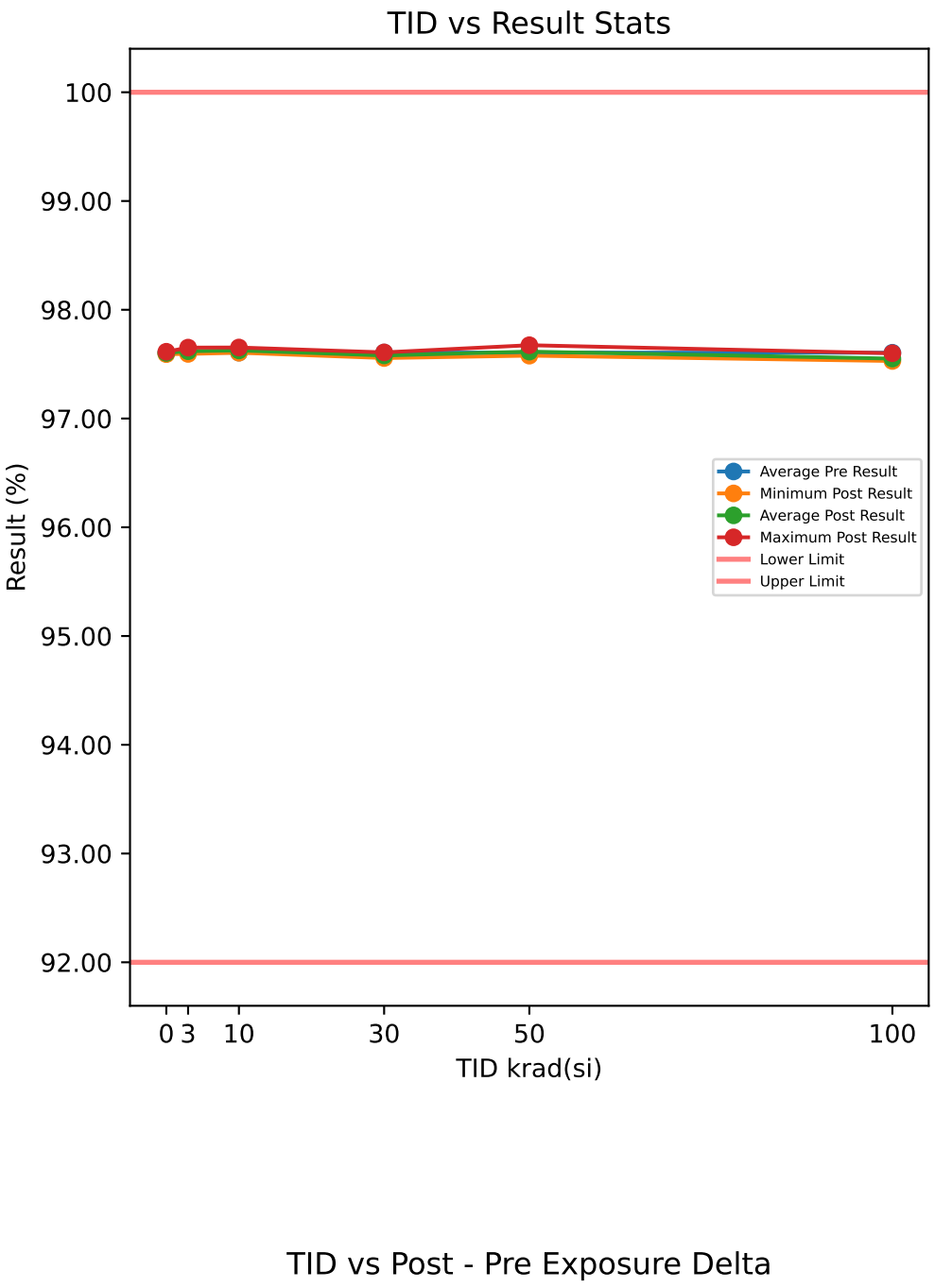

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.57 | 97.57 | 0 |
| 7 | 0 | Correlation | 97.579 | 97.579 | 0 |
| 16 | 3 | LDR-Biased | 97.576 | 97.562 | -0.014 |
| 18 | 3 | LDR-Biased | 97.566 | 97.564 | -0.002 |
| 19 | 3 | LDR-Biased | 97.577 | 97.565 | -0.012 |
| 20 | 3 | LDR-Biased | 97.569 | 97.564 | -0.005 |
| 21 | 3 | LDR-Biased | 97.595 | 97.565 | -0.03 |
| 22 | 3 | LDR-Unbiased | 97.559 | 97.586 | 0.027 |
| 23 | 3 | LDR-Unbiased | 97.581 | 97.568 | -0.013 |
| 25 | 3 | LDR-Unbiased | 97.568 | 97.575 | 0.007 |
| 26 | 3 | LDR-Unbiased | 97.558 | 97.56 | 0.002 |
| 27 | 3 | LDR-Unbiased | 97.569 | 97.564 | -0.005 |
| 46 | 10 | LDR-Biased | 97.576 | 97.567 | -0.009 |
| 48 | 10 | LDR-Biased | 97.566 | 97.571 | 0.005 |
| 49 | 10 | LDR-Biased | 97.577 | 97.577 | 0 |
| 50 | 10 | LDR-Biased | 97.569 | 97.572 | 0.003 |
| 51 | 10 | LDR-Biased | 97.595 | 97.574 | -0.021 |
| 52 | 10 | LDR-Unbiased | 97.559 | 97.593 | 0.034 |
| 53 | 10 | LDR-Unbiased | 97.581 | 97.579 | -0.002 |
| 55 | 10 | LDR-Unbiased | 97.568 | 97.583 | 0.015 |
| 56 | 10 | LDR-Unbiased | 97.558 | 97.573 | 0.015 |
| 57 | 10 | LDR-Unbiased | 97.569 | 97.579 | 0.01 |
| 76 | 30 | LDR-Biased | 97.576 | 97.519 | -0.057 |
| 78 | 30 | LDR-Biased | 97.566 | 97.517 | -0.049 |
| 79 | 30 | LDR-Biased | 97.577 | 97.529 | -0.048 |
| 80 | 30 | LDR-Biased | 97.569 | 97.526 | -0.043 |
| 81 | 30 | LDR-Biased | 97.595 | 97.539 | -0.056 |
| 82 | 30 | LDR-Unbiased | 97.559 | 97.545 | -0.014 |
| 83 | 30 | LDR-Unbiased | 97.581 | 97.532 | -0.049 |
| 84 | 30 | LDR-Unbiased | 97.569 | 97.532 | -0.037 |
| 85 | 30 | LDR-Unbiased | 97.568 | 97.537 | -0.031 |
| 86 | 30 | LDR-Unbiased | 97.558 | 97.524 | -0.034 |
| 87 | 100 | LDR-Biased | 97.582 | 97.509 | -0.073 |
| 88 | 100 | LDR-Biased | 97.565 | 97.578 | 0.013 |
| 90 | 100 | LDR-Biased | 97.562 | 97.572 | 0.01 |
| 91 | 100 | LDR-Unbiased | 97.566 | 97.497 | -0.069 |
| 93 | 100 | LDR-Unbiased | 97.595 | 97.496 | -0.099 |
| 94 | 100 | LDR-Unbiased | 97.575 | 97.496 | -0.079 |
| 95 | 100 | LDR-Unbiased | 97.574 | 97.507 | -0.067 |
| 96 | 100 | LDR-Unbiased | 97.568 | 97.481 | -0.087 |
| 106 | 50 | LDR-Biased | 97.576 | 97.59 | 0.014 |
| 108 | 50 | LDR-Biased | 97.566 | 97.563 | -0.003 |
| 109 | 50 | LDR-Biased | 97.577 | 97.576 | -0.001 |
| 110 | 50 | LDR-Biased | 97.569 | 97.569 | 0 |
| 111 | 50 | LDR-Biased | 97.595 | 97.572 | -0.023 |
| 112 | 50 | LDR-Unbiased | 97.559 | 97.574 | 0.015 |
| 113 | 50 | LDR-Unbiased | 97.581 | 97.563 | -0.018 |
| 115 | 50 | LDR-Unbiased | 97.568 | 97.569 | 0.001 |
| 116 | 50 | LDR-Unbiased | 97.558 | 97.549 | -0.009 |
| 117 | 50 | LDR-Unbiased | 97.569 | 97.559 | -0.01 |

Test Statistics (%)

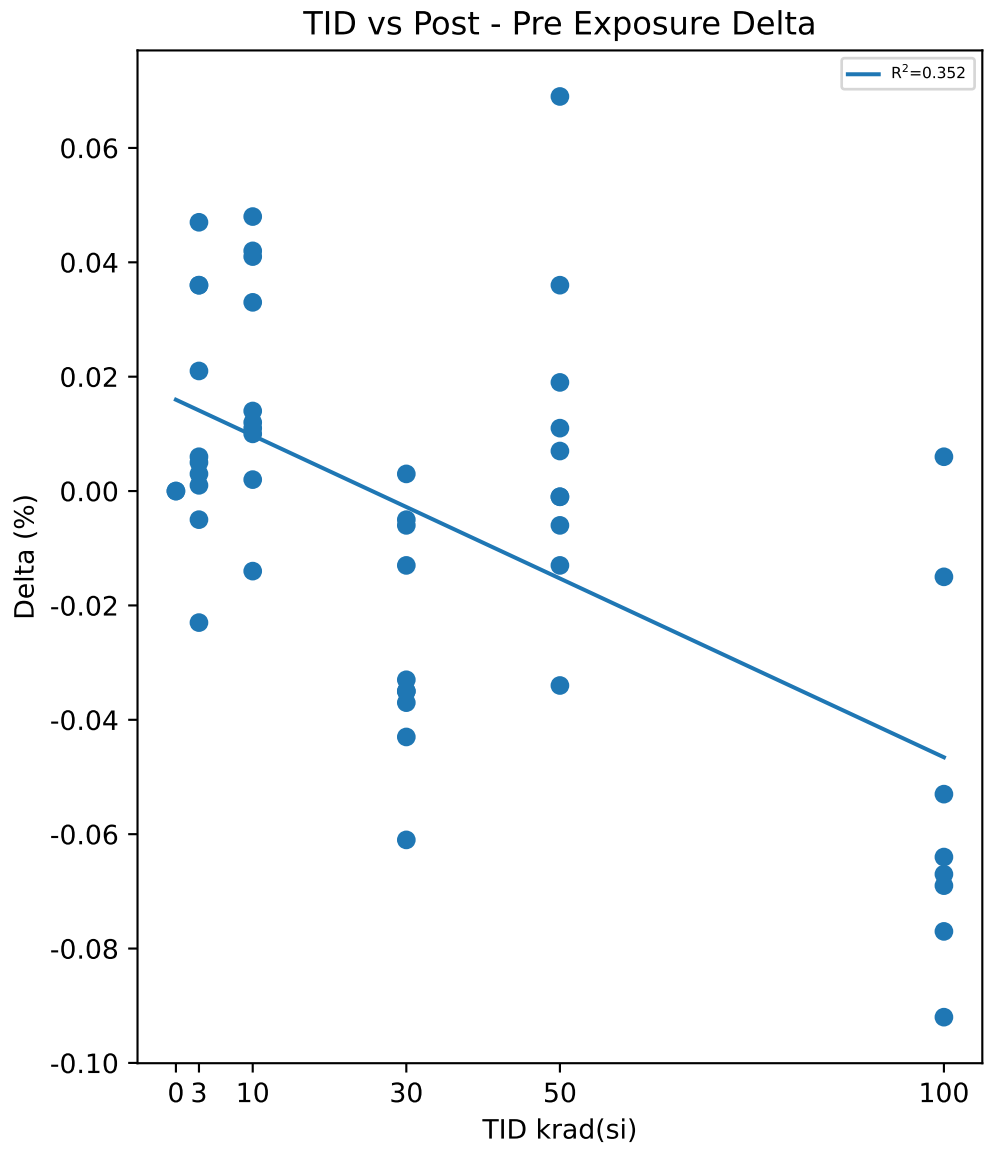
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.57 | 97.575 | 97.579 | 0.006364 | 97.57 | 97.575 | 97.579 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 97.558 | 97.572 | 97.595 | 0.010983 | 97.56 | 97.567 | 97.586 | 0.0077035 | -0.03 | -0.0045 | 0.027 | 0.015065 |
| 10 | 97.558 | 97.572 | 97.595 | 0.010983 | 97.567 | 97.577 | 97.593 | 0.0073454 | -0.021 | 0.005 | 0.034 | 0.014967 |
| 30 | 97.558 | 97.572 | 97.595 | 0.010983 | 97.517 | 97.53 | 97.545 | 0.0088569 | -0.057 | -0.0418 | -0.014 | 0.013122 |
| 50 | 97.558 | 97.572 | 97.595 | 0.010983 | 97.549 | 97.568 | 97.59 | 0.011017 | -0.023 | -0.0034 | 0.015 | 0.012249 |
| 100 | 97.562 | 97.573 | 97.595 | 0.010875 | 97.481 | 97.517 | 97.578 | 0.036816 | -0.099 | -0.056375 | 0.013 | 0.043151 |

# Device Test: 6.29 VOH_2mA_EN2/EN2/1.6/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

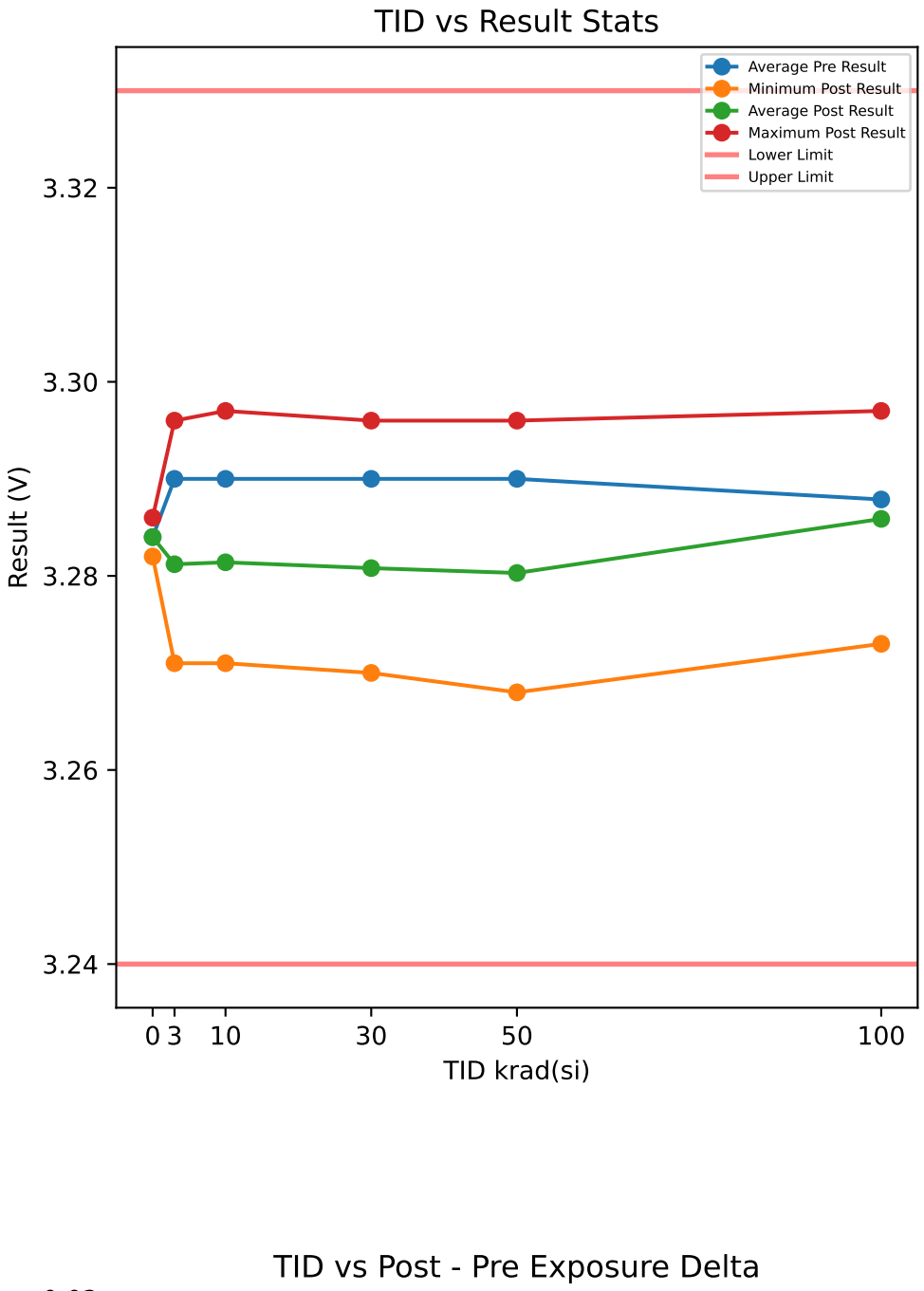
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.592 | 97.592 | 0 |
| 7 | 0 | Correlation | 97.614 | 97.614 | 0 |
| 16 | 3 | LDR-Biased | 97.605 | 97.652 | 0.047 |
| 18 | 3 | LDR-Biased | 97.613 | 97.619 | 0.006 |
| 19 | 3 | LDR-Biased | 97.61 | 97.611 | 0.001 |
| 20 | 3 | LDR-Biased | 97.602 | 97.638 | 0.036 |
| 21 | 3 | LDR-Biased | 97.622 | 97.617 | -0.005 |
| 22 | 3 | LDR-Unbiased | 97.585 | 97.621 | 0.036 |
| 23 | 3 | LDR-Unbiased | 97.633 | 97.61 | -0.023 |
| 25 | 3 | LDR-Unbiased | 97.603 | 97.608 | 0.005 |
| 26 | 3 | LDR-Unbiased | 97.591 | 97.594 | 0.003 |
| 27 | 3 | LDR-Unbiased | 97.599 | 97.62 | 0.021 |
| 46 | 10 | LDR-Biased | 97.605 | 97.653 | 0.048 |
| 48 | 10 | LDR-Biased | 97.613 | 97.624 | 0.011 |
| 49 | 10 | LDR-Biased | 97.61 | 97.62 | 0.01 |
| 50 | 10 | LDR-Biased | 97.602 | 97.643 | 0.041 |
| 51 | 10 | LDR-Biased | 97.622 | 97.624 | 0.002 |
| 52 | 10 | LDR-Unbiased | 97.585 | 97.627 | 0.042 |
| 53 | 10 | LDR-Unbiased | 97.633 | 97.619 | -0.014 |
| 55 | 10 | LDR-Unbiased | 97.603 | 97.615 | 0.012 |
| 56 | 10 | LDR-Unbiased | 97.591 | 97.605 | 0.014 |
| 57 | 10 | LDR-Unbiased | 97.599 | 97.632 | 0.033 |
| 76 | 30 | LDR-Biased | 97.605 | 97.608 | 0.003 |
| 78 | 30 | LDR-Biased | 97.613 | 97.57 | -0.043 |
| 79 | 30 | LDR-Biased | 97.61 | 97.573 | -0.037 |
| 80 | 30 | LDR-Biased | 97.602 | 97.597 | -0.005 |
| 81 | 30 | LDR-Biased | 97.622 | 97.589 | -0.033 |
| 82 | 30 | LDR-Unbiased | 97.585 | 97.579 | -0.006 |
| 83 | 30 | LDR-Unbiased | 97.633 | 97.572 | -0.061 |
| 84 | 30 | LDR-Unbiased | 97.599 | 97.586 | -0.013 |
| 85 | 30 | LDR-Unbiased | 97.603 | 97.568 | -0.035 |
| 86 | 30 | LDR-Unbiased | 97.591 | 97.556 | -0.035 |
| 87 | 100 | LDR-Biased | 97.612 | 97.535 | -0.077 |
| 88 | 100 | LDR-Biased | 97.594 | 97.6 | 0.006 |
| 90 | 100 | LDR-Biased | 97.609 | 97.594 | -0.015 |
| 91 | 100 | LDR-Unbiased | 97.593 | 97.529 | -0.064 |
| 93 | 100 | LDR-Unbiased | 97.621 | 97.529 | -0.092 |
| 94 | 100 | LDR-Unbiased | 97.604 | 97.551 | -0.053 |
| 95 | 100 | LDR-Unbiased | 97.609 | 97.54 | -0.069 |
| 96 | 100 | LDR-Unbiased | 97.597 | 97.53 | -0.067 |
| 106 | 50 | LDR-Biased | 97.605 | 97.674 | 0.069 |
| 108 | 50 | LDR-Biased | 97.613 | 97.612 | -0.001 |
| 109 | 50 | LDR-Biased | 97.61 | 97.617 | 0.007 |
| 110 | 50 | LDR-Biased | 97.602 | 97.638 | 0.036 |
| 111 | 50 | LDR-Biased | 97.622 | 97.621 | -0.001 |
| 112 | 50 | LDR-Unbiased | 97.585 | 97.604 | 0.019 |
| 113 | 50 | LDR-Unbiased | 97.633 | 97.599 | -0.034 |
| 115 | 50 | LDR-Unbiased | 97.603 | 97.597 | -0.006 |
| 116 | 50 | LDR-Unbiased | 97.591 | 97.578 | -0.013 |
| 117 | 50 | LDR-Unbiased | 97.599 | 97.61 | 0.011 |

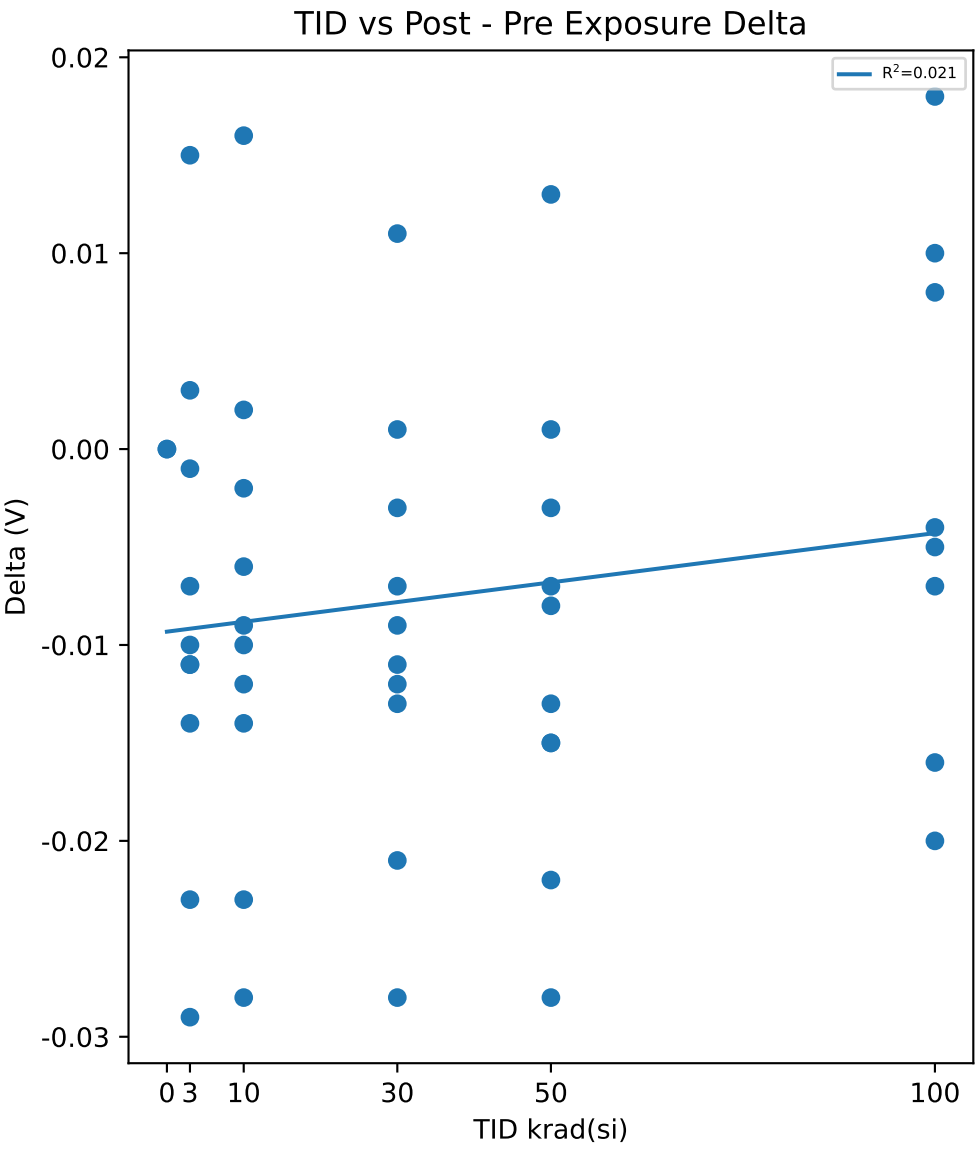



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.592 | 97.603 | 97.614 | 0.015556 | 97.592 | 97.603 | 97.614 | 0.015556 | 0 | 0 | 0 | 0 |
| 3 | 97.585 | 97.606 | 97.633 | 0.014103 | 97.594 | 97.619 | 97.652 | 0.016159 | -0.023 | 0.0127 | 0.047 | 0.021741 |
| 10 | 97.585 | 97.606 | 97.633 | 0.014103 | 97.605 | 97.626 | 97.653 | 0.013782 | -0.014 | 0.0199 | 0.048 | 0.020108 |
| 30 | 97.585 | 97.606 | 97.633 | 0.014103 | 97.556 | 97.58 | 97.608 | 0.015361 | -0.061 | -0.0265 | 0.003 | 0.020261 |
| 50 | 97.585 | 97.606 | 97.633 | 0.014103 | 97.578 | 97.615 | 97.674 | 0.026149 | -0.034 | 0.0087 | 0.069 | 0.028273 |
| 100 | 97.593 | 97.605 | 97.621 | 0.0097605 | 97.529 | 97.551 | 97.6 | 0.029365 | -0.092 | -0.053875 | 0.006 | 0.032926 |

# Device Test: 6.3 VLDO/VLDO//14/0/0/0/@VLDO_REG



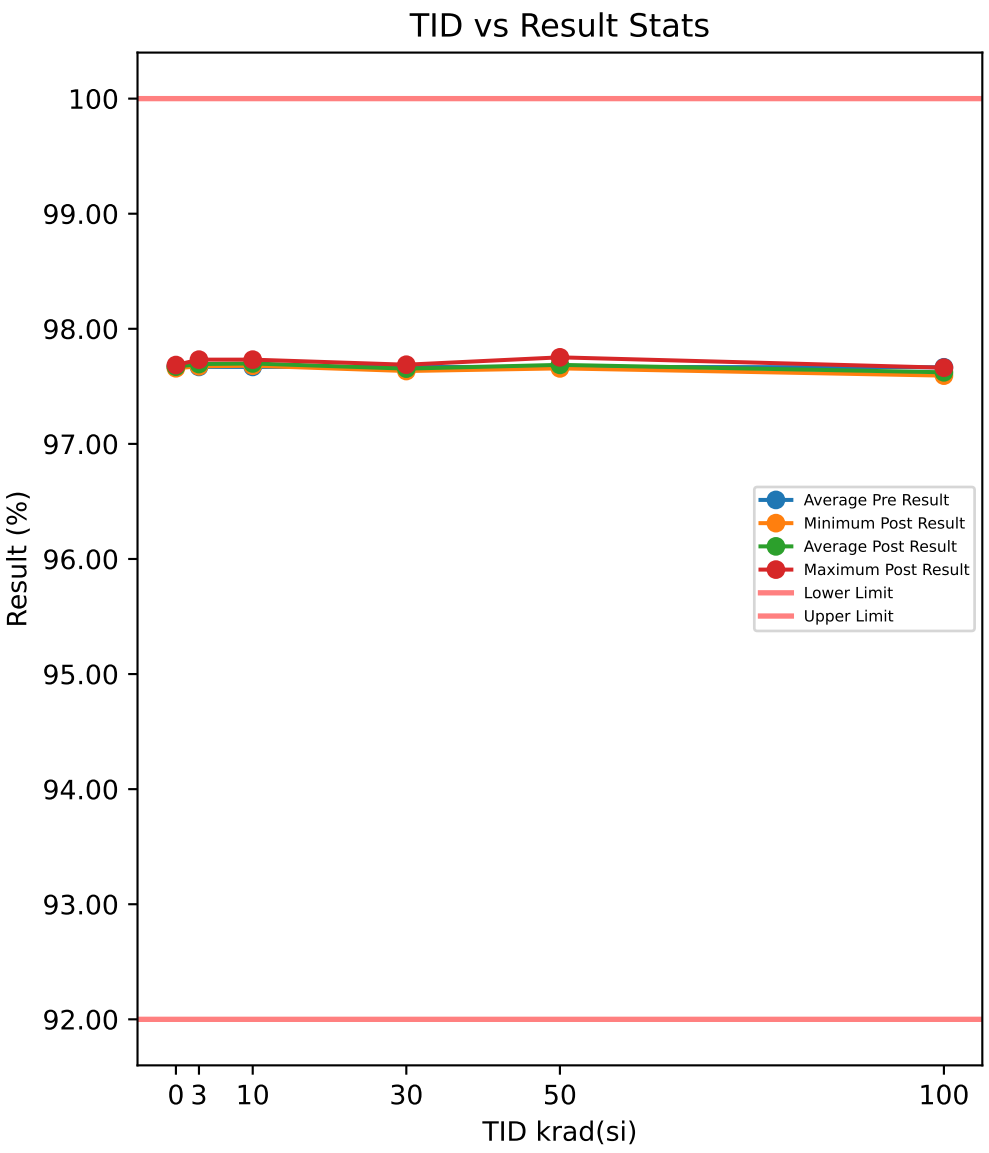

Test Results (Lower Limit = 3.24, Upper Limit = 3.33 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 3.282 | 3.282 | 0 |
| 7 | 0 | Correlation | 3.286 | 3.286 | 0 |
| 16 | 3 | LDR-Biased | 3.285 | 3.274 | -0.011 |
| 18 | 3 | LDR-Biased | 3.287 | 3.29 | 0.003 |
| 19 | 3 | LDR-Biased | 3.283 | 3.282 | -0.001 |
| 20 | 3 | LDR-Biased | 3.302 | 3.273 | -0.029 |
| 21 | 3 | LDR-Biased | 3.288 | 3.277 | -0.011 |
| 22 | 3 | LDR-Unbiased | 3.279 | 3.294 | 0.015 |
| 23 | 3 | LDR-Unbiased | 3.299 | 3.276 | -0.023 |
| 25 | 3 | LDR-Unbiased | 3.293 | 3.279 | -0.014 |
| 26 | 3 | LDR-Unbiased | 3.281 | 3.271 | -0.01 |
| 27 | 3 | LDR-Unbiased | 3.303 | 3.296 | -0.007 |
| 46 | 10 | LDR-Biased | 3.285 | 3.276 | -0.009 |
| 48 | 10 | LDR-Biased | 3.287 | 3.289 | 0.002 |
| 49 | 10 | LDR-Biased | 3.283 | 3.281 | -0.002 |
| 50 | 10 | LDR-Biased | 3.302 | 3.274 | -0.028 |
| 51 | 10 | LDR-Biased | 3.288 | 3.276 | -0.012 |
| 52 | 10 | LDR-Unbiased | 3.279 | 3.295 | 0.016 |
| 53 | 10 | LDR-Unbiased | 3.299 | 3.276 | -0.023 |
| 55 | 10 | LDR-Unbiased | 3.293 | 3.279 | -0.014 |
| 56 | 10 | LDR-Unbiased | 3.281 | 3.271 | -0.01 |
| 57 | 10 | LDR-Unbiased | 3.303 | 3.297 | -0.006 |
| 76 | 30 | LDR-Biased | 3.285 | 3.276 | -0.009 |
| 78 | 30 | LDR-Biased | 3.287 | 3.288 | 0.001 |
| 79 | 30 | LDR-Biased | 3.283 | 3.28 | -0.003 |
| 80 | 30 | LDR-Biased | 3.302 | 3.274 | -0.028 |
| 81 | 30 | LDR-Biased | 3.288 | 3.275 | -0.013 |
| 82 | 30 | LDR-Unbiased | 3.279 | 3.29 | 0.011 |
| 83 | 30 | LDR-Unbiased | 3.299 | 3.278 | -0.021 |
| 84 | 30 | LDR-Unbiased | 3.303 | 3.296 | -0.007 |
| 85 | 30 | LDR-Unbiased | 3.293 | 3.281 | -0.012 |
| 86 | 30 | LDR-Unbiased | 3.281 | 3.27 | -0.011 |
| 87 | 100 | LDR-Biased | 3.289 | 3.273 | -0.016 |
| 88 | 100 | LDR-Biased | 3.286 | 3.282 | -0.004 |
| 90 | 100 | LDR-Biased | 3.287 | 3.282 | -0.005 |
| 91 | 100 | LDR-Unbiased | 3.279 | 3.297 | 0.018 |
| 93 | 100 | LDR-Unbiased | 3.288 | 3.296 | 0.008 |
| 94 | 100 | LDR-Unbiased | 3.286 | 3.279 | -0.007 |
| 95 | 100 | LDR-Unbiased | 3.285 | 3.295 | 0.01 |
| 96 | 100 | LDR-Unbiased | 3.303 | 3.283 | -0.02 |
| 106 | 50 | LDR-Biased | 3.285 | 3.277 | -0.008 |
| 108 | 50 | LDR-Biased | 3.287 | 3.288 | 0.001 |
| 109 | 50 | LDR-Biased | 3.283 | 3.28 | -0.003 |
| 110 | 50 | LDR-Biased | 3.302 | 3.274 | -0.028 |
| 111 | 50 | LDR-Biased | 3.288 | 3.273 | -0.015 |
| 112 | 50 | LDR-Unbiased | 3.279 | 3.292 | 0.013 |
| 113 | 50 | LDR-Unbiased | 3.299 | 3.277 | -0.022 |
| 115 | 50 | LDR-Unbiased | 3.293 | 3.278 | -0.015 |
| 116 | 50 | LDR-Unbiased | 3.281 | 3.268 | -0.013 |
| 117 | 50 | LDR-Unbiased | 3.303 | 3.296 | -0.007 |

Test Statistics (V)

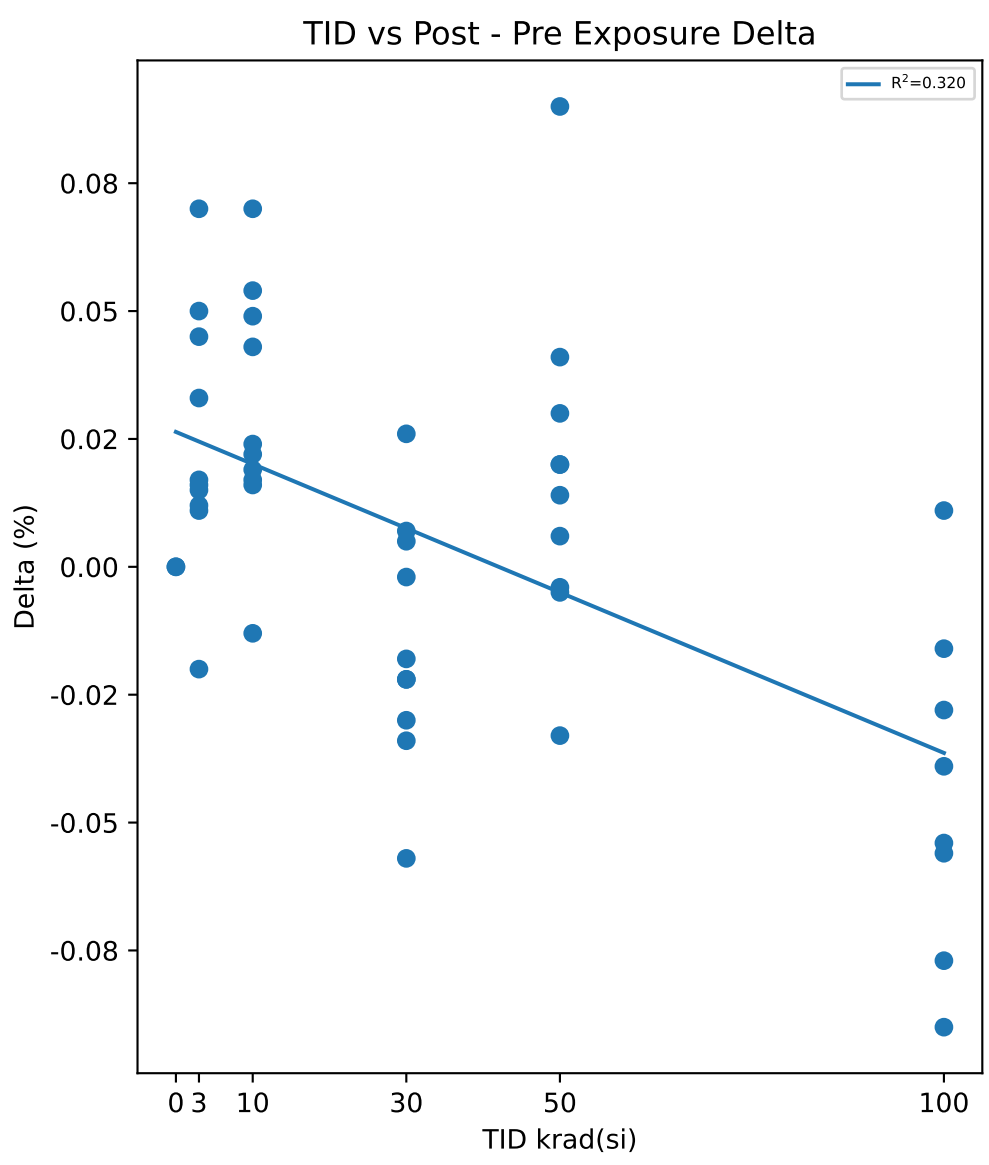
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 3.282 | 3.284 | 3.286 | 0.0028284 | 3.282 | 3.284 | 3.286 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 3.279 | 3.29 | 3.303 | 0.0087686 | 3.271 | 3.2812 | 3.296 | 0.0090284 | -0.029 | -0.0088 | 0.015 | 0.01255 |
| 10 | 3.279 | 3.29 | 3.303 | 0.0087686 | 3.271 | 3.2814 | 3.297 | 0.0090823 | -0.028 | -0.0086 | 0.016 | 0.012447 |
| 30 | 3.279 | 3.29 | 3.303 | 0.0087686 | 3.27 | 3.2808 | 3.296 | 0.008135 | -0.028 | -0.0092 | 0.011 | 0.010922 |
| 50 | 3.279 | 3.29 | 3.303 | 0.0087686 | 3.268 | 3.2803 | 3.296 | 0.0089075 | -0.028 | -0.0097 | 0.013 | 0.011729 |
| 100 | 3.279 | 3.2879 | 3.303 | 0.0068125 | 3.273 | 3.2859 | 3.297 | 0.0089513 | -0.02 | -0.002 | 0.018 | 0.013104 |

# Device Test: 6.30 VOH_2mA_EN3/EN3/1.6/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

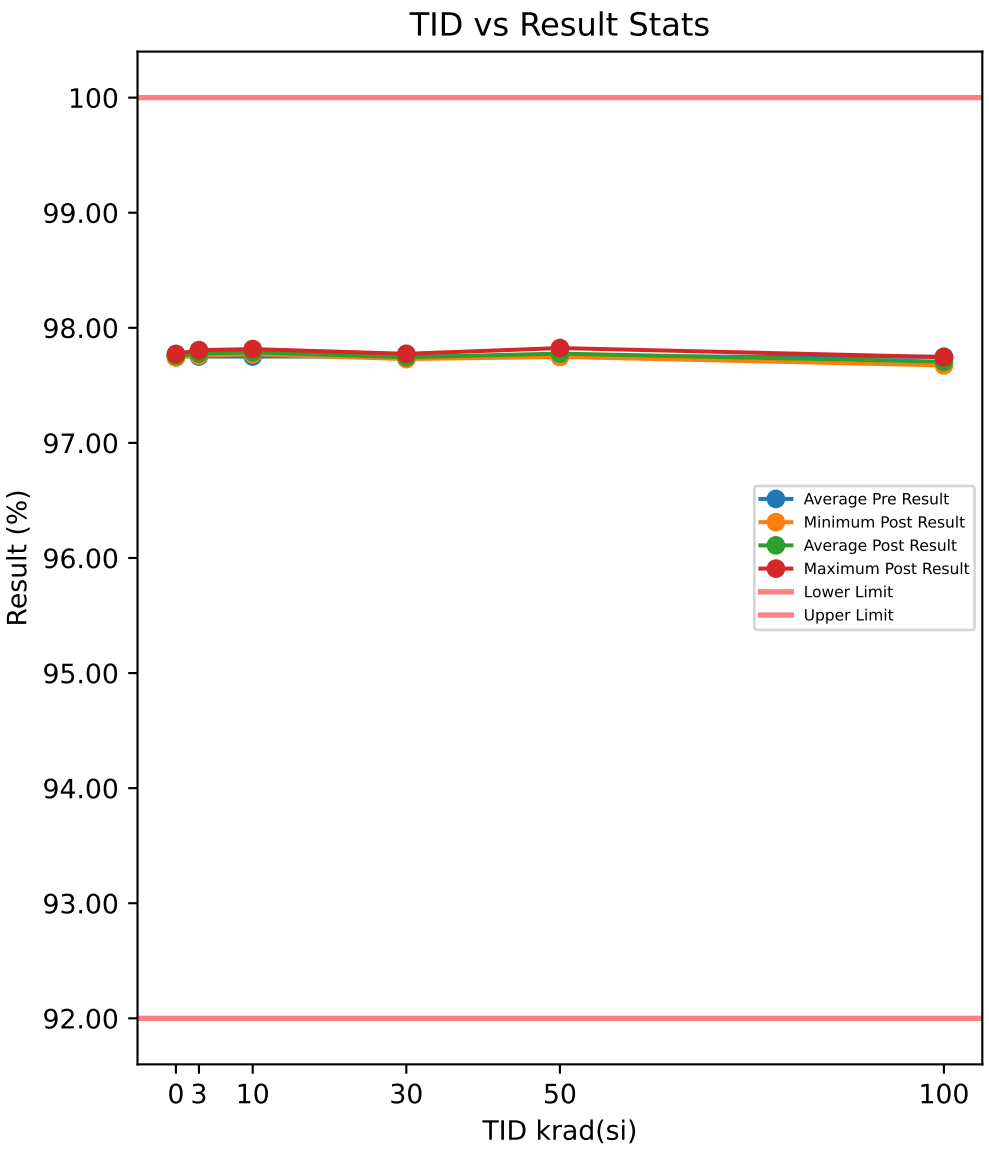
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.657 | 97.657 | 0 |
| 7 | 0 | Correlation | 97.685 | 97.685 | 0 |
| 16 | 3 | LDR-Biased | 97.662 | 97.732 | 0.07 |
| 18 | 3 | LDR-Biased | 97.676 | 97.693 | 0.017 |
| 19 | 3 | LDR-Biased | 97.672 | 97.688 | 0.016 |
| 20 | 3 | LDR-Biased | 97.672 | 97.717 | 0.045 |
| 21 | 3 | LDR-Biased | 97.677 | 97.689 | 0.012 |
| 22 | 3 | LDR-Unbiased | 97.643 | 97.693 | 0.05 |
| 23 | 3 | LDR-Unbiased | 97.701 | 97.681 | -0.02 |
| 25 | 3 | LDR-Unbiased | 97.663 | 97.674 | 0.011 |
| 26 | 3 | LDR-Unbiased | 97.66 | 97.675 | 0.015 |
| 27 | 3 | LDR-Unbiased | 97.661 | 97.694 | 0.033 |
| 46 | 10 | LDR-Biased | 97.662 | 97.732 | 0.07 |
| 48 | 10 | LDR-Biased | 97.676 | 97.695 | 0.019 |
| 49 | 10 | LDR-Biased | 97.672 | 97.694 | 0.022 |
| 50 | 10 | LDR-Biased | 97.672 | 97.721 | 0.049 |
| 51 | 10 | LDR-Biased | 97.677 | 97.694 | 0.017 |
| 52 | 10 | LDR-Unbiased | 97.643 | 97.697 | 0.054 |
| 53 | 10 | LDR-Unbiased | 97.701 | 97.688 | -0.013 |
| 55 | 10 | LDR-Unbiased | 97.663 | 97.679 | 0.016 |
| 56 | 10 | LDR-Unbiased | 97.66 | 97.684 | 0.024 |
| 57 | 10 | LDR-Unbiased | 97.661 | 97.704 | 0.043 |
| 76 | 30 | LDR-Biased | 97.662 | 97.688 | 0.026 |
| 78 | 30 | LDR-Biased | 97.676 | 97.642 | -0.034 |
| 79 | 30 | LDR-Biased | 97.672 | 97.65 | -0.022 |
| 80 | 30 | LDR-Biased | 97.672 | 97.677 | 0.005 |
| 81 | 30 | LDR-Biased | 97.677 | 97.659 | -0.018 |
| 82 | 30 | LDR-Unbiased | 97.643 | 97.65 | 0.007 |
| 83 | 30 | LDR-Unbiased | 97.701 | 97.644 | -0.057 |
| 84 | 30 | LDR-Unbiased | 97.661 | 97.659 | -0.002 |
| 85 | 30 | LDR-Unbiased | 97.663 | 97.633 | -0.03 |
| 86 | 30 | LDR-Unbiased | 97.66 | 97.638 | -0.022 |
| 87 | 100 | LDR-Biased | 97.683 | 97.593 | -0.09 |
| 88 | 100 | LDR-Biased | 97.651 | 97.662 | 0.011 |
| 90 | 100 | LDR-Biased | 97.672 | 97.656 | -0.016 |
| 91 | 100 | LDR-Unbiased | 97.649 | 97.595 | -0.054 |
| 93 | 100 | LDR-Unbiased | 97.677 | 97.6 | -0.077 |
| 94 | 100 | LDR-Unbiased | 97.661 | 97.633 | -0.028 |
| 95 | 100 | LDR-Unbiased | 97.673 | 97.617 | -0.056 |
| 96 | 100 | LDR-Unbiased | 97.659 | 97.62 | -0.039 |
| 106 | 50 | LDR-Biased | 97.662 | 97.752 | 0.09 |
| 108 | 50 | LDR-Biased | 97.676 | 97.682 | 0.006 |
| 109 | 50 | LDR-Biased | 97.672 | 97.692 | 0.02 |
| 110 | 50 | LDR-Biased | 97.672 | 97.713 | 0.041 |
| 111 | 50 | LDR-Biased | 97.677 | 97.691 | 0.014 |
| 112 | 50 | LDR-Unbiased | 97.643 | 97.673 | 0.03 |
| 113 | 50 | LDR-Unbiased | 97.701 | 97.668 | -0.033 |
| 115 | 50 | LDR-Unbiased | 97.663 | 97.658 | -0.005 |
| 116 | 50 | LDR-Unbiased | 97.66 | 97.656 | -0.004 |
| 117 | 50 | LDR-Unbiased | 97.661 | 97.681 | 0.02 |




Test Statistics (%)

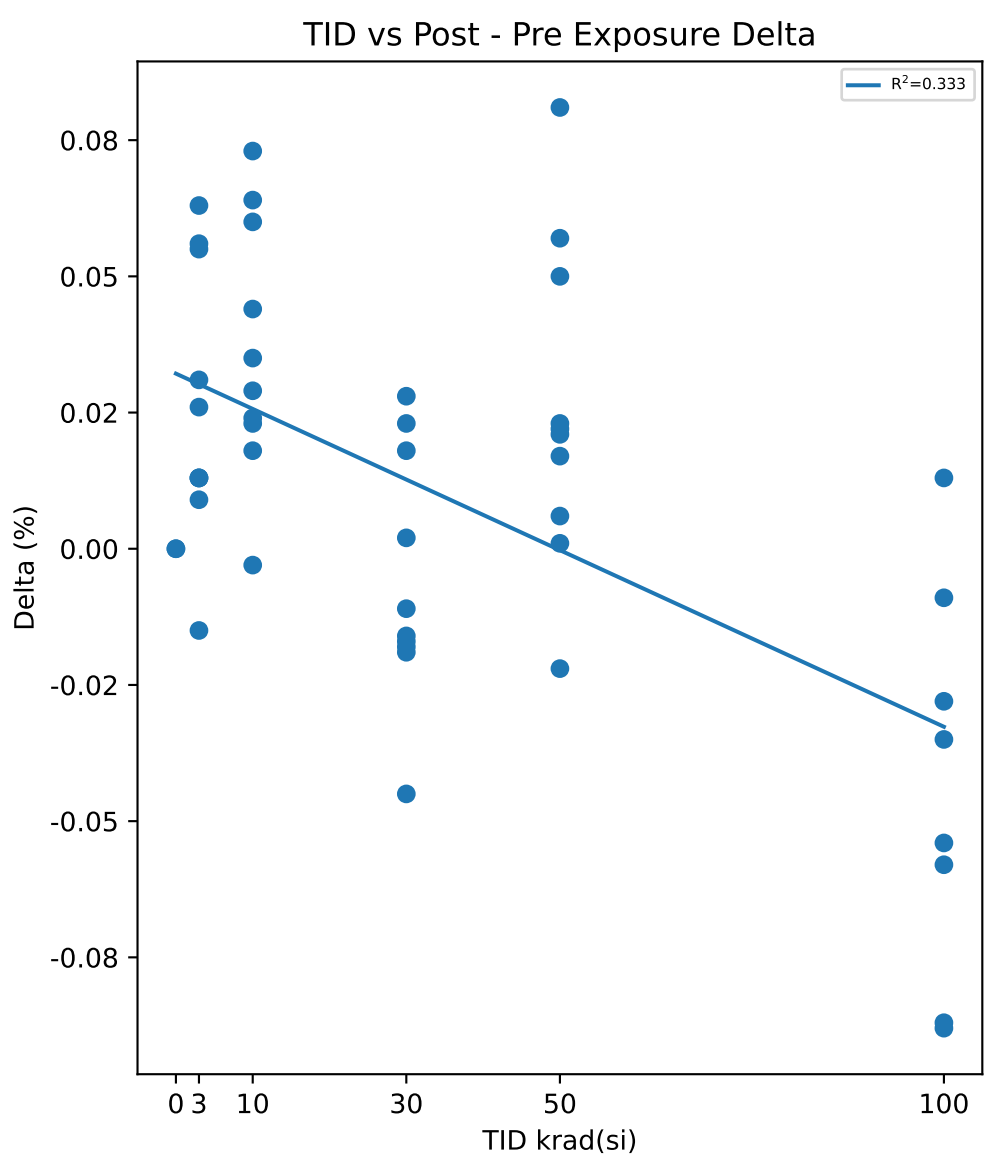
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.657 | 97.671 | 97.685 | 0.019799 | 97.657 | 97.671 | 97.685 | 0.019799 | 0 | 0 | 0 | 0 |
| 3 | 97.643 | 97.669 | 97.701 | 0.015129 | 97.674 | 97.694 | 97.732 | 0.018149 | -0.02 | 0.0249 | 0.07 | 0.025274 |
| 10 | 97.643 | 97.669 | 97.701 | 0.015129 | 97.679 | 97.699 | 97.732 | 0.016376 | -0.013 | 0.0301 | 0.07 | 0.0239 |
| 30 | 97.643 | 97.669 | 97.701 | 0.015129 | 97.633 | 97.654 | 97.688 | 0.017346 | -0.057 | -0.0147 | 0.026 | 0.024014 |
| 50 | 97.643 | 97.669 | 97.701 | 0.015129 | 97.656 | 97.687 | 97.752 | 0.028598 | -0.033 | 0.0179 | 0.09 | 0.032726 |
| 100 | 97.649 | 97.666 | 97.683 | 0.012432 | 97.593 | 97.622 | 97.662 | 0.026619 | -0.09 | -0.043625 | 0.011 | 0.032815 |

# Device Test: 6.31 VOH_2mA_EN4/EN4/1.6/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

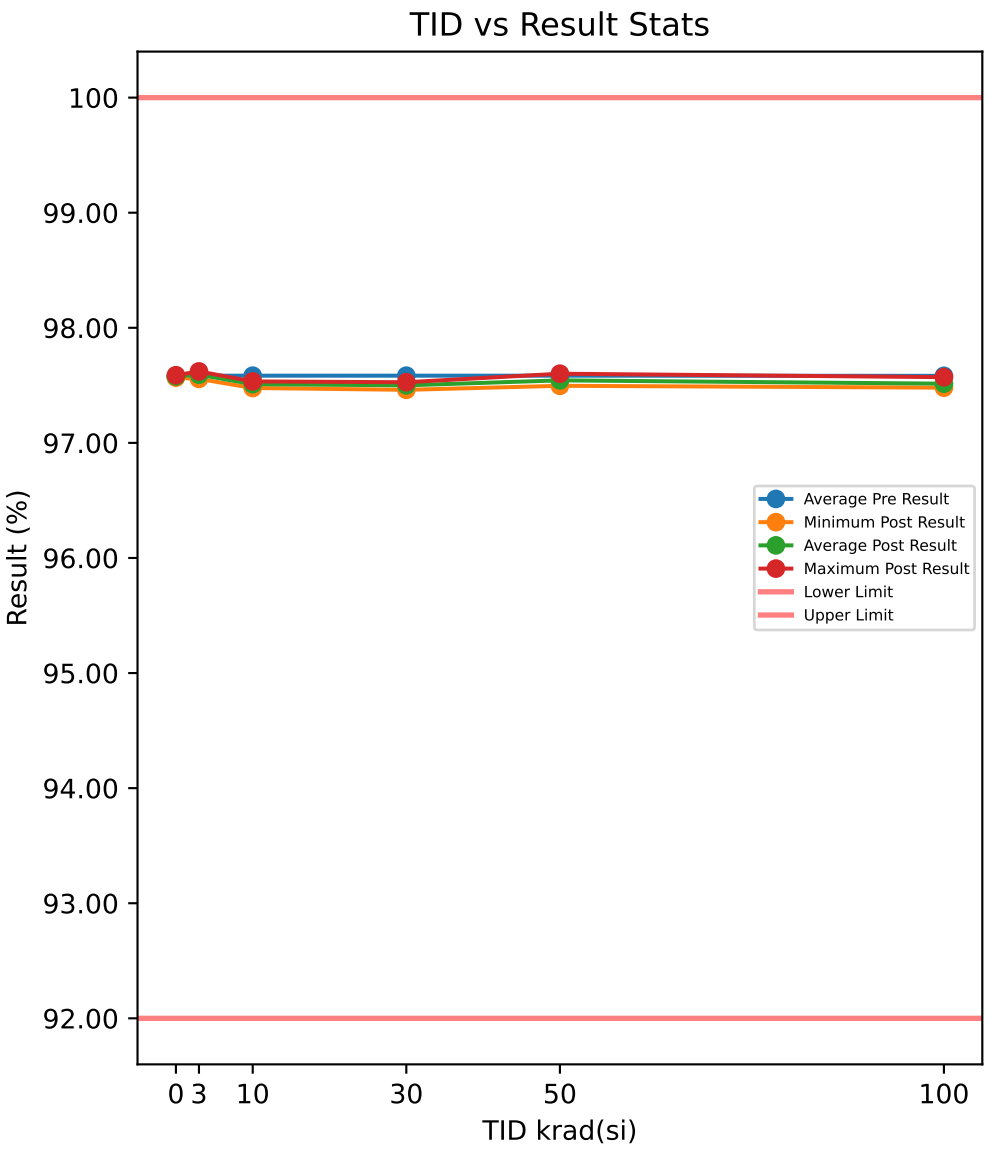
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.741 | 97.741 | 0 |
| 7 | 0 | Correlation | 97.773 | 97.773 | 0 |
| 16 | 3 | LDR-Biased | 97.743 | 97.799 | 0.056 |
| 18 | 3 | LDR-Biased | 97.753 | 97.779 | 0.026 |
| 19 | 3 | LDR-Biased | 97.754 | 97.767 | 0.013 |
| 20 | 3 | LDR-Biased | 97.751 | 97.806 | 0.055 |
| 21 | 3 | LDR-Biased | 97.765 | 97.774 | 0.009 |
| 22 | 3 | LDR-Unbiased | 97.721 | 97.784 | 0.063 |
| 23 | 3 | LDR-Unbiased | 97.776 | 97.761 | -0.015 |
| 25 | 3 | LDR-Unbiased | 97.747 | 97.76 | 0.013 |
| 26 | 3 | LDR-Unbiased | 97.746 | 97.759 | 0.013 |
| 27 | 3 | LDR-Unbiased | 97.747 | 97.778 | 0.031 |
| 46 | 10 | LDR-Biased | 97.743 | 97.803 | 0.06 |
| 48 | 10 | LDR-Biased | 97.753 | 97.788 | 0.035 |
| 49 | 10 | LDR-Biased | 97.754 | 97.778 | 0.024 |
| 50 | 10 | LDR-Biased | 97.751 | 97.815 | 0.064 |
| 51 | 10 | LDR-Biased | 97.765 | 97.783 | 0.018 |
| 52 | 10 | LDR-Unbiased | 97.721 | 97.794 | 0.073 |
| 53 | 10 | LDR-Unbiased | 97.776 | 97.773 | -0.003 |
| 55 | 10 | LDR-Unbiased | 97.747 | 97.77 | 0.023 |
| 56 | 10 | LDR-Unbiased | 97.746 | 97.775 | 0.029 |
| 57 | 10 | LDR-Unbiased | 97.747 | 97.791 | 0.044 |
| 76 | 30 | LDR-Biased | 97.743 | 97.761 | 0.018 |
| 78 | 30 | LDR-Biased | 97.753 | 97.737 | -0.016 |
| 79 | 30 | LDR-Biased | 97.754 | 97.736 | -0.018 |
| 80 | 30 | LDR-Biased | 97.751 | 97.774 | 0.023 |
| 81 | 30 | LDR-Biased | 97.765 | 97.754 | -0.011 |
| 82 | 30 | LDR-Unbiased | 97.721 | 97.749 | 0.028 |
| 83 | 30 | LDR-Unbiased | 97.776 | 97.731 | -0.045 |
| 84 | 30 | LDR-Unbiased | 97.747 | 97.749 | 0.002 |
| 85 | 30 | LDR-Unbiased | 97.747 | 97.728 | -0.019 |
| 86 | 30 | LDR-Unbiased | 97.746 | 97.729 | -0.017 |
| 87 | 100 | LDR-Biased | 97.763 | 97.676 | -0.087 |
| 88 | 100 | LDR-Biased | 97.732 | 97.745 | 0.013 |
| 90 | 100 | LDR-Biased | 97.75 | 97.741 | -0.009 |
| 91 | 100 | LDR-Unbiased | 97.727 | 97.673 | -0.054 |
| 93 | 100 | LDR-Unbiased | 97.765 | 97.677 | -0.088 |
| 94 | 100 | LDR-Unbiased | 97.742 | 97.714 | -0.028 |
| 95 | 100 | LDR-Unbiased | 97.764 | 97.706 | -0.058 |
| 96 | 100 | LDR-Unbiased | 97.745 | 97.71 | -0.035 |
| 106 | 50 | LDR-Biased | 97.743 | 97.824 | 0.081 |
| 108 | 50 | LDR-Biased | 97.753 | 97.776 | 0.023 |
| 109 | 50 | LDR-Biased | 97.754 | 97.775 | 0.021 |
| 110 | 50 | LDR-Biased | 97.751 | 97.808 | 0.057 |
| 111 | 50 | LDR-Biased | 97.765 | 97.782 | 0.017 |
| 112 | 50 | LDR-Unbiased | 97.721 | 97.771 | 0.05 |
| 113 | 50 | LDR-Unbiased | 97.776 | 97.754 | -0.022 |
| 115 | 50 | LDR-Unbiased | 97.747 | 97.753 | 0.006 |
| 116 | 50 | LDR-Unbiased | 97.746 | 97.747 | 0.001 |
| 117 | 50 | LDR-Unbiased | 97.747 | 97.769 | 0.022 |

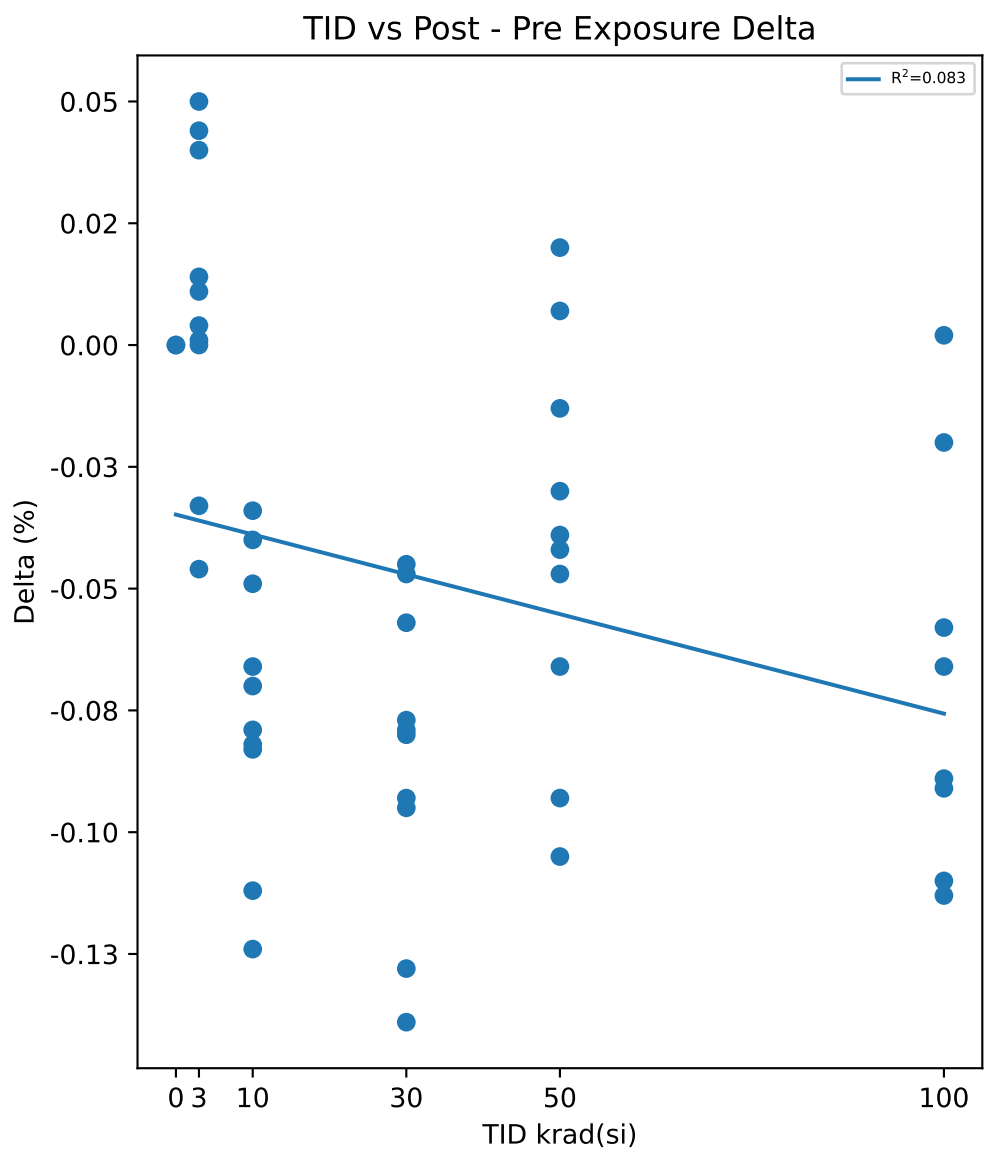



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.741 | 97.757 | 97.773 | 0.022627 | 97.741 | 97.757 | 97.773 | 0.022627 | 0 | 0 | 0 | 0 |
| 3 | 97.721 | 97.75 | 97.776 | 0.014338 | 97.759 | 97.777 | 97.806 | 0.01618 | -0.015 | 0.0264 | 0.063 | 0.024968 |
| 10 | 97.721 | 97.75 | 97.776 | 0.014338 | 97.77 | 97.787 | 97.815 | 0.014267 | -0.003 | 0.0367 | 0.073 | 0.023561 |
| 30 | 97.721 | 97.75 | 97.776 | 0.014338 | 97.728 | 97.745 | 97.774 | 0.015259 | -0.045 | -0.0055 | 0.028 | 0.022887 |
| 50 | 97.721 | 97.75 | 97.776 | 0.014338 | 97.747 | 97.776 | 97.824 | 0.024251 | -0.022 | 0.0256 | 0.081 | 0.029852 |
| 100 | 97.727 | 97.749 | 97.765 | 0.014707 | 97.673 | 97.705 | 97.745 | 0.028414 | -0.088 | -0.04325 | 0.013 | 0.035632 |

# Device Test: 6.32 VOH_2mA_SEQ/SEQ_DONE/1.6/3/0/0/2/@VOH_SEQ_DONE_2MA



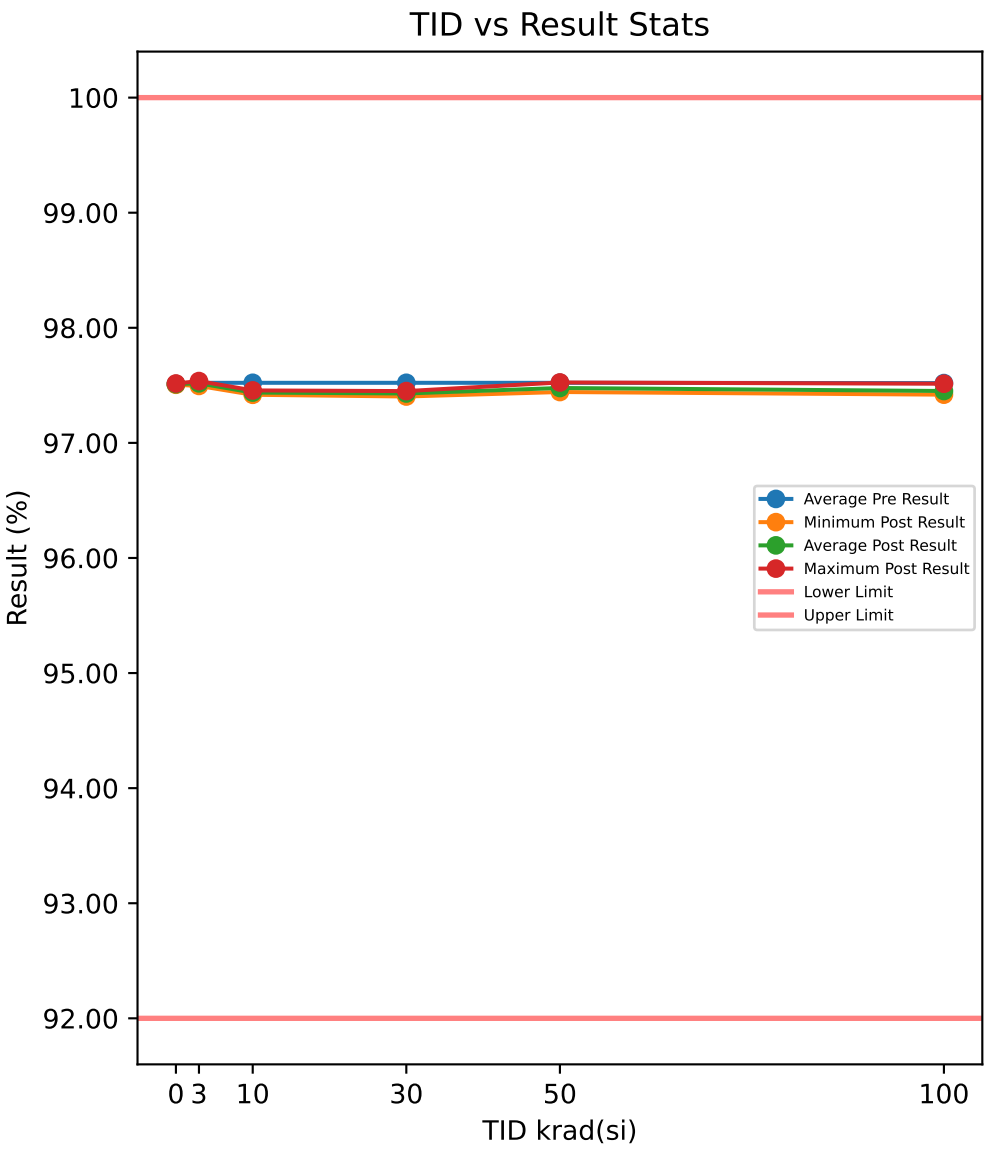

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

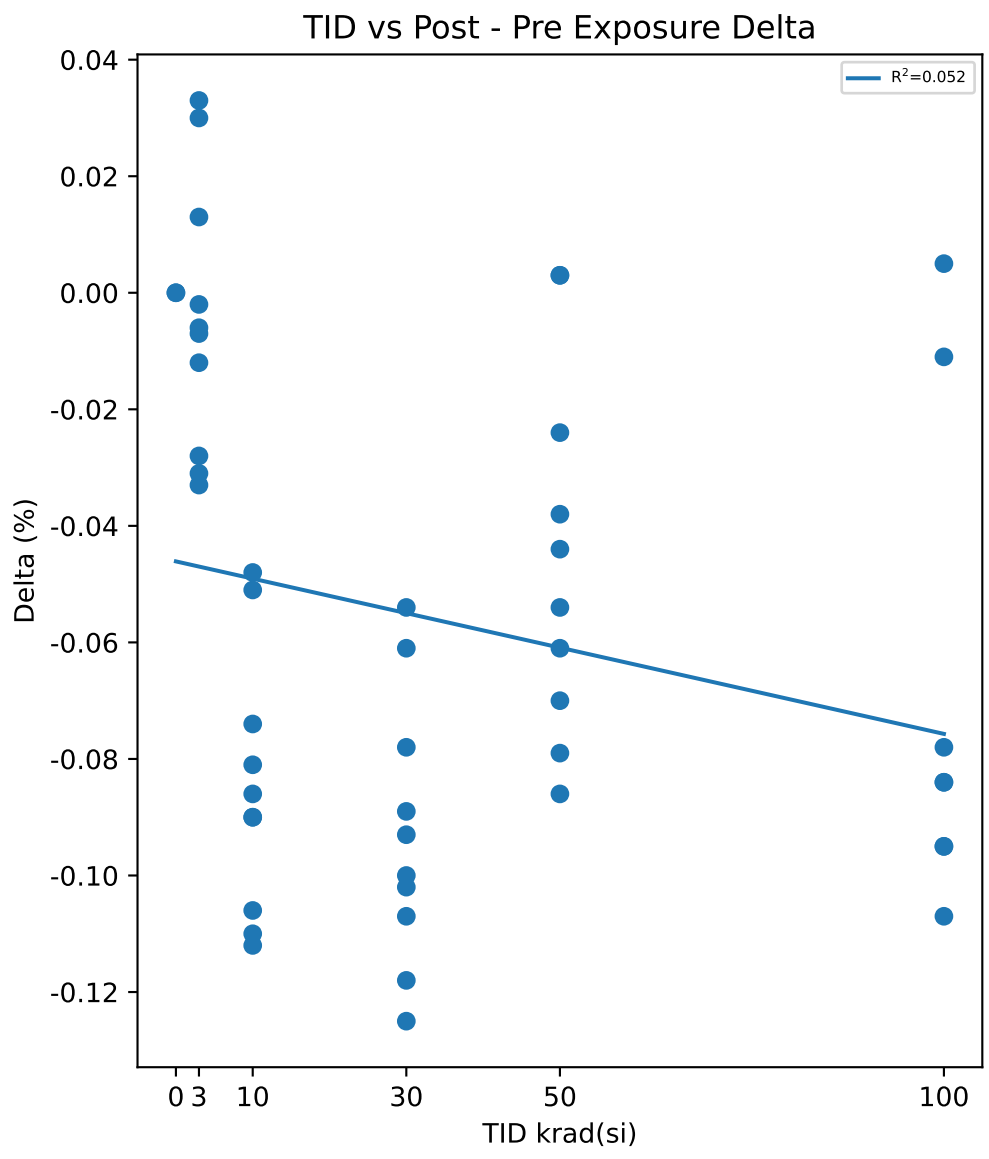
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.567 | 97.567 | 0 |
| 7 | 0 | Correlation | 97.588 | 97.588 | 0 |
| 16 | 3 | LDR-Biased | 97.581 | 97.621 | 0.04 |
| 18 | 3 | LDR-Biased | 97.59 | 97.594 | 0.004 |
| 19 | 3 | LDR-Biased | 97.58 | 97.591 | 0.011 |
| 20 | 3 | LDR-Biased | 97.574 | 97.618 | 0.044 |
| 21 | 3 | LDR-Biased | 97.596 | 97.596 | 0 |
| 22 | 3 | LDR-Unbiased | 97.56 | 97.61 | 0.05 |
| 23 | 3 | LDR-Unbiased | 97.619 | 97.573 | -0.046 |
| 25 | 3 | LDR-Unbiased | 97.589 | 97.556 | -0.033 |
| 26 | 3 | LDR-Unbiased | 97.576 | 97.577 | 0.001 |
| 27 | 3 | LDR-Unbiased | 97.575 | 97.589 | 0.014 |
| 46 | 10 | LDR-Biased | 97.581 | 97.532 | -0.049 |
| 48 | 10 | LDR-Biased | 97.59 | 97.508 | -0.082 |
| 49 | 10 | LDR-Biased | 97.58 | 97.51 | -0.07 |
| 50 | 10 | LDR-Biased | 97.574 | 97.534 | -0.04 |
| 51 | 10 | LDR-Biased | 97.596 | 97.513 | -0.083 |
| 52 | 10 | LDR-Unbiased | 97.56 | 97.526 | -0.034 |
| 53 | 10 | LDR-Unbiased | 97.619 | 97.495 | -0.124 |
| 55 | 10 | LDR-Unbiased | 97.589 | 97.477 | -0.112 |
| 56 | 10 | LDR-Unbiased | 97.576 | 97.497 | -0.079 |
| 57 | 10 | LDR-Unbiased | 97.575 | 97.509 | -0.066 |
| 76 | 30 | LDR-Biased | 97.581 | 97.524 | -0.057 |
| 78 | 30 | LDR-Biased | 97.59 | 97.495 | -0.095 |
| 79 | 30 | LDR-Biased | 97.58 | 97.5 | -0.08 |
| 80 | 30 | LDR-Biased | 97.574 | 97.527 | -0.047 |
| 81 | 30 | LDR-Biased | 97.596 | 97.517 | -0.079 |
| 82 | 30 | LDR-Unbiased | 97.56 | 97.515 | -0.045 |
| 83 | 30 | LDR-Unbiased | 97.619 | 97.48 | -0.139 |
| 84 | 30 | LDR-Unbiased | 97.575 | 97.498 | -0.077 |
| 85 | 30 | LDR-Unbiased | 97.589 | 97.461 | -0.128 |
| 86 | 30 | LDR-Unbiased | 97.576 | 97.483 | -0.093 |
| 87 | 100 | LDR-Biased | 97.592 | 97.482 | -0.11 |
| 88 | 100 | LDR-Biased | 97.569 | 97.571 | 0.002 |
| 90 | 100 | LDR-Biased | 97.585 | 97.565 | -0.02 |
| 91 | 100 | LDR-Unbiased | 97.569 | 97.48 | -0.089 |
| 93 | 100 | LDR-Unbiased | 97.596 | 97.483 | -0.113 |
| 94 | 100 | LDR-Unbiased | 97.58 | 97.522 | -0.058 |
| 95 | 100 | LDR-Unbiased | 97.596 | 97.505 | -0.091 |
| 96 | 100 | LDR-Unbiased | 97.573 | 97.507 | -0.066 |
| 106 | 50 | LDR-Biased | 97.581 | 97.601 | 0.02 |
| 108 | 50 | LDR-Biased | 97.59 | 97.548 | -0.042 |
| 109 | 50 | LDR-Biased | 97.58 | 97.55 | -0.03 |
| 110 | 50 | LDR-Biased | 97.574 | 97.581 | 0.007 |
| 111 | 50 | LDR-Biased | 97.596 | 97.557 | -0.039 |
| 112 | 50 | LDR-Unbiased | 97.56 | 97.547 | -0.013 |
| 113 | 50 | LDR-Unbiased | 97.619 | 97.514 | -0.105 |
| 115 | 50 | LDR-Unbiased | 97.589 | 97.496 | -0.093 |
| 116 | 50 | LDR-Unbiased | 97.576 | 97.51 | -0.066 |
| 117 | 50 | LDR-Unbiased | 97.575 | 97.528 | -0.047 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.567 | 97.577 | 97.588 | 0.014849 | 97.567 | 97.577 | 97.588 | 0.014849 | 0 | 0 | 0 | 0 |
| 3 | 97.56 | 97.584 | 97.619 | 0.015902 | 97.556 | 97.593 | 97.621 | 0.020414 | -0.046 | 0.0085 | 0.05 | 0.031363 |
| 10 | 97.56 | 97.584 | 97.619 | 0.015902 | 97.477 | 97.51 | 97.534 | 0.017679 | -0.124 | -0.0739 | -0.034 | 0.029011 |
| 30 | 97.56 | 97.584 | 97.619 | 0.015902 | 97.461 | 97.5 | 97.527 | 0.021234 | -0.139 | -0.084 | -0.045 | 0.031397 |
| 50 | 97.56 | 97.584 | 97.619 | 0.015902 | 97.496 | 97.543 | 97.601 | 0.032417 | -0.105 | -0.0408 | 0.02 | 0.039994 |
| 100 | 97.569 | 97.582 | 97.596 | 0.011477 | 97.48 | 97.514 | 97.571 | 0.036221 | -0.113 | -0.068125 | 0.002 | 0.041519 |

# Device Test: 6.33 VOH_2mA_PWRGD/PWRGD/1.6/3/0/0/2/@VOH_PWRGD_2MA



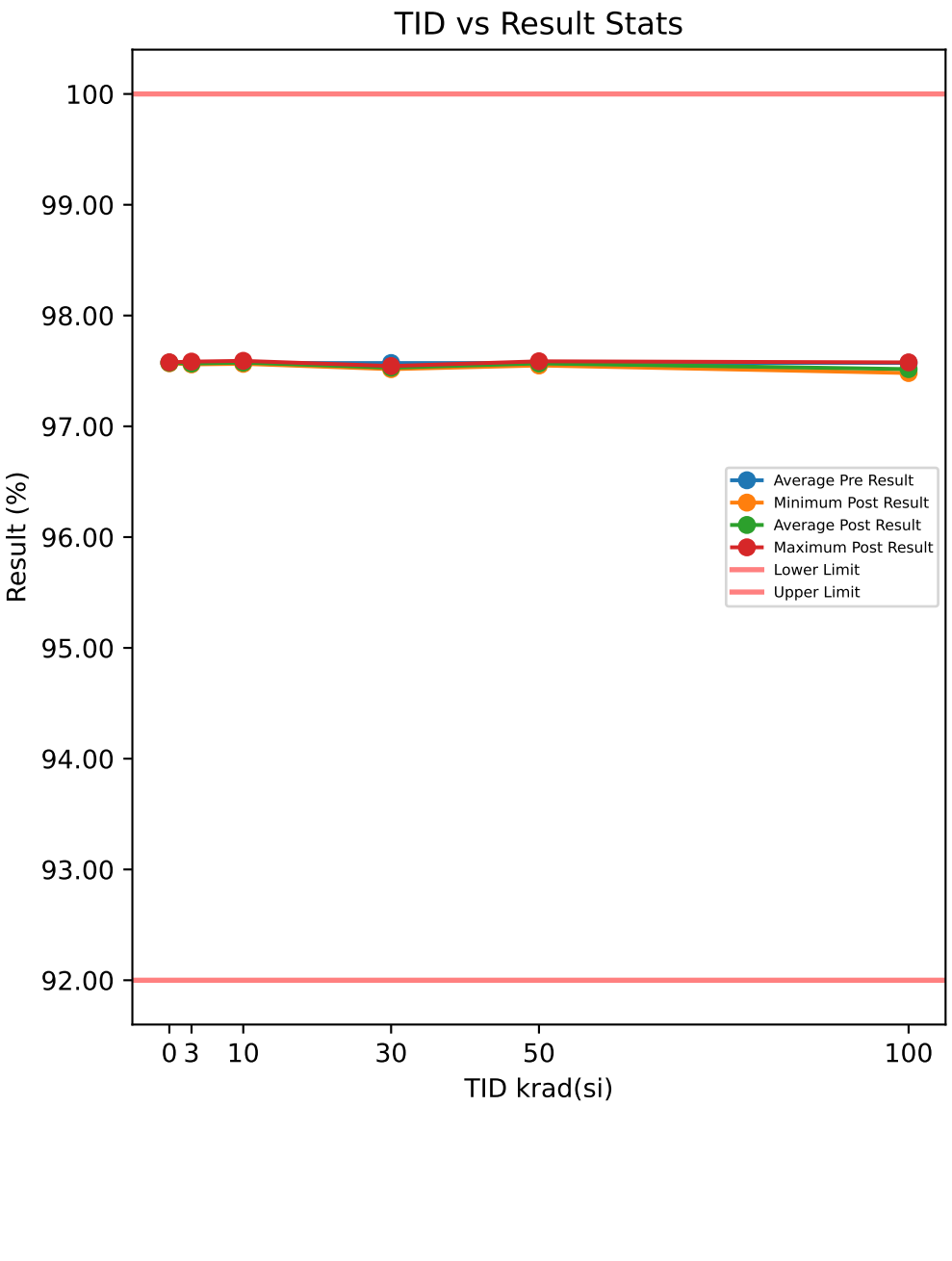

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

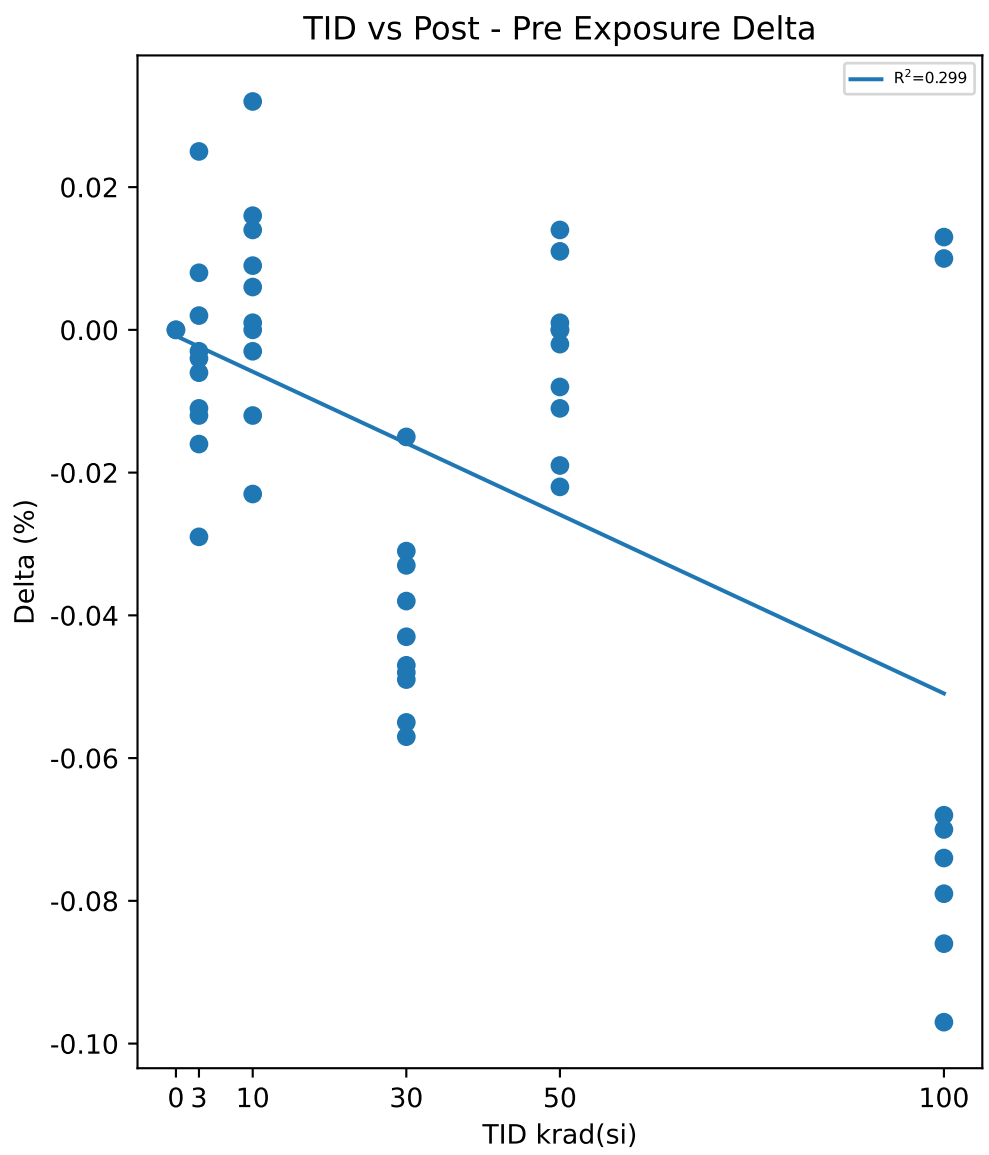
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.505 | 97.505 | 0 |
| 7 | 0 | Correlation | 97.516 | 97.516 | 0 |
| 16 | 3 | LDR-Biased | 97.522 | 97.535 | 0.013 |
| 18 | 3 | LDR-Biased | 97.525 | 97.519 | -0.006 |
| 19 | 3 | LDR-Biased | 97.525 | 97.518 | -0.007 |
| 20 | 3 | LDR-Biased | 97.504 | 97.537 | 0.033 |
| 21 | 3 | LDR-Biased | 97.539 | 97.508 | -0.031 |
| 22 | 3 | LDR-Unbiased | 97.506 | 97.536 | 0.03 |
| 23 | 3 | LDR-Unbiased | 97.54 | 97.512 | -0.028 |
| 25 | 3 | LDR-Unbiased | 97.528 | 97.495 | -0.033 |
| 26 | 3 | LDR-Unbiased | 97.516 | 97.504 | -0.012 |
| 27 | 3 | LDR-Unbiased | 97.515 | 97.513 | -0.002 |
| 46 | 10 | LDR-Biased | 97.522 | 97.448 | -0.074 |
| 48 | 10 | LDR-Biased | 97.525 | 97.435 | -0.09 |
| 49 | 10 | LDR-Biased | 97.525 | 97.439 | -0.086 |
| 50 | 10 | LDR-Biased | 97.504 | 97.456 | -0.048 |
| 51 | 10 | LDR-Biased | 97.539 | 97.427 | -0.112 |
| 52 | 10 | LDR-Unbiased | 97.506 | 97.455 | -0.051 |
| 53 | 10 | LDR-Unbiased | 97.54 | 97.434 | -0.106 |
| 55 | 10 | LDR-Unbiased | 97.528 | 97.418 | -0.11 |
| 56 | 10 | LDR-Unbiased | 97.516 | 97.426 | -0.09 |
| 57 | 10 | LDR-Unbiased | 97.515 | 97.434 | -0.081 |
| 76 | 30 | LDR-Biased | 97.522 | 97.444 | -0.078 |
| 78 | 30 | LDR-Biased | 97.525 | 97.425 | -0.1 |
| 79 | 30 | LDR-Biased | 97.525 | 97.432 | -0.093 |
| 80 | 30 | LDR-Biased | 97.504 | 97.45 | -0.054 |
| 81 | 30 | LDR-Biased | 97.539 | 97.432 | -0.107 |
| 82 | 30 | LDR-Unbiased | 97.506 | 97.445 | -0.061 |
| 83 | 30 | LDR-Unbiased | 97.54 | 97.422 | -0.118 |
| 84 | 30 | LDR-Unbiased | 97.515 | 97.426 | -0.089 |
| 85 | 30 | LDR-Unbiased | 97.528 | 97.403 | -0.125 |
| 86 | 30 | LDR-Unbiased | 97.516 | 97.414 | -0.102 |
| 87 | 100 | LDR-Biased | 97.522 | 97.427 | -0.095 |
| 88 | 100 | LDR-Biased | 97.509 | 97.514 | 0.005 |
| 90 | 100 | LDR-Biased | 97.52 | 97.509 | -0.011 |
| 91 | 100 | LDR-Unbiased | 97.514 | 97.419 | -0.095 |
| 93 | 100 | LDR-Unbiased | 97.539 | 97.432 | -0.107 |
| 94 | 100 | LDR-Unbiased | 97.521 | 97.443 | -0.078 |
| 95 | 100 | LDR-Unbiased | 97.517 | 97.433 | -0.084 |
| 96 | 100 | LDR-Unbiased | 97.514 | 97.43 | -0.084 |
| 106 | 50 | LDR-Biased | 97.522 | 97.525 | 0.003 |
| 108 | 50 | LDR-Biased | 97.525 | 97.481 | -0.044 |
| 109 | 50 | LDR-Biased | 97.525 | 97.487 | -0.038 |
| 110 | 50 | LDR-Biased | 97.504 | 97.507 | 0.003 |
| 111 | 50 | LDR-Biased | 97.539 | 97.478 | -0.061 |
| 112 | 50 | LDR-Unbiased | 97.506 | 97.482 | -0.024 |
| 113 | 50 | LDR-Unbiased | 97.54 | 97.461 | -0.079 |
| 115 | 50 | LDR-Unbiased | 97.528 | 97.442 | -0.086 |
| 116 | 50 | LDR-Unbiased | 97.516 | 97.446 | -0.07 |
| 117 | 50 | LDR-Unbiased | 97.515 | 97.461 | -0.054 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.505 | 97.511 | 97.516 | 0.0077782 | 97.505 | 97.511 | 97.516 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 97.504 | 97.522 | 97.54 | 0.012166 | 97.495 | 97.518 | 97.537 | 0.014376 | -0.033 | -0.0043 | 0.033 | 0.023665 |
| 10 | 97.504 | 97.522 | 97.54 | 0.012166 | 97.418 | 97.437 | 97.456 | 0.012533 | -0.112 | -0.0848 | -0.048 | 0.02238 |
| 30 | 97.504 | 97.522 | 97.54 | 0.012166 | 97.403 | 97.429 | 97.45 | 0.014583 | -0.125 | -0.0927 | -0.054 | 0.022998 |
| 50 | 97.504 | 97.522 | 97.54 | 0.012166 | 97.442 | 97.477 | 97.525 | 0.025914 | -0.086 | -0.045 | 0.003 | 0.031443 |
| 100 | 97.509 | 97.519 | 97.539 | 0.0089921 | 97.419 | 97.451 | 97.514 | 0.038028 | -0.107 | -0.068625 | 0.005 | 0.041689 |

# Device Test: 6.34 VOH_2mA_EN1/EN1/1.6/14/0/0/2/@VOH_EN_2MA



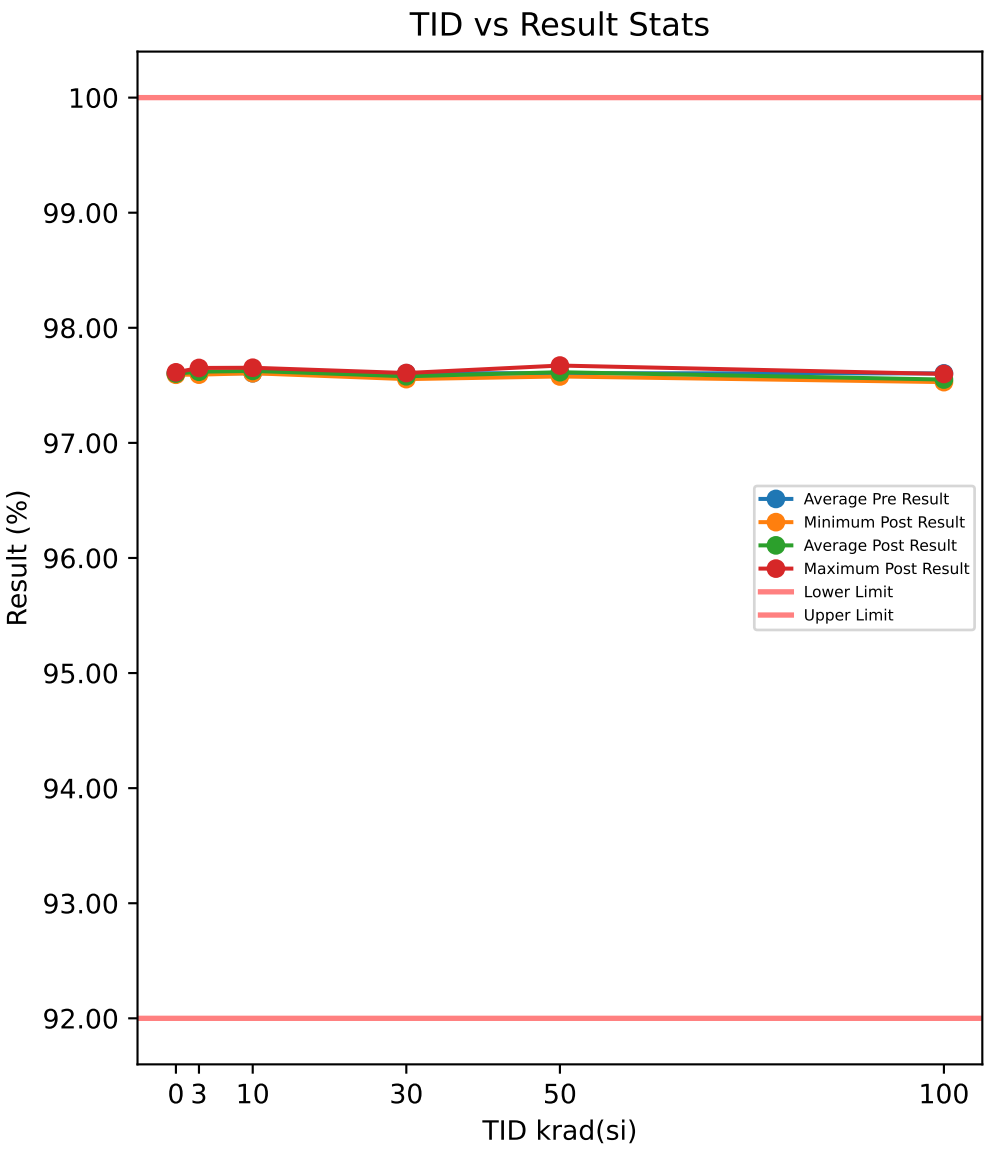

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.569 | 97.569 | 0 |
| 7 | 0 | Correlation | 97.578 | 97.578 | 0 |
| 16 | 3 | LDR-Biased | 97.576 | 97.56 | -0.016 |
| 18 | 3 | LDR-Biased | 97.565 | 97.562 | -0.003 |
| 19 | 3 | LDR-Biased | 97.576 | 97.565 | -0.011 |
| 20 | 3 | LDR-Biased | 97.569 | 97.563 | -0.006 |
| 21 | 3 | LDR-Biased | 97.594 | 97.565 | -0.029 |
| 22 | 3 | LDR-Unbiased | 97.559 | 97.584 | 0.025 |
| 23 | 3 | LDR-Unbiased | 97.58 | 97.568 | -0.012 |
| 25 | 3 | LDR-Unbiased | 97.567 | 97.575 | 0.008 |
| 26 | 3 | LDR-Unbiased | 97.557 | 97.559 | 0.002 |
| 27 | 3 | LDR-Unbiased | 97.569 | 97.565 | -0.004 |
| 46 | 10 | LDR-Biased | 97.576 | 97.564 | -0.012 |
| 48 | 10 | LDR-Biased | 97.565 | 97.571 | 0.006 |
| 49 | 10 | LDR-Biased | 97.576 | 97.576 | 0 |
| 50 | 10 | LDR-Biased | 97.569 | 97.57 | 0.001 |
| 51 | 10 | LDR-Biased | 97.594 | 97.571 | -0.023 |
| 52 | 10 | LDR-Unbiased | 97.559 | 97.591 | 0.032 |
| 53 | 10 | LDR-Unbiased | 97.58 | 97.577 | -0.003 |
| 55 | 10 | LDR-Unbiased | 97.567 | 97.581 | 0.014 |
| 56 | 10 | LDR-Unbiased | 97.557 | 97.573 | 0.016 |
| 57 | 10 | LDR-Unbiased | 97.569 | 97.578 | 0.009 |
| 76 | 30 | LDR-Biased | 97.576 | 97.519 | -0.057 |
| 78 | 30 | LDR-Biased | 97.565 | 97.516 | -0.049 |
| 79 | 30 | LDR-Biased | 97.576 | 97.529 | -0.047 |
| 80 | 30 | LDR-Biased | 97.569 | 97.526 | -0.043 |
| 81 | 30 | LDR-Biased | 97.594 | 97.539 | -0.055 |
| 82 | 30 | LDR-Unbiased | 97.559 | 97.544 | -0.015 |
| 83 | 30 | LDR-Unbiased | 97.58 | 97.532 | -0.048 |
| 84 | 30 | LDR-Unbiased | 97.569 | 97.531 | -0.038 |
| 85 | 30 | LDR-Unbiased | 97.567 | 97.536 | -0.031 |
| 86 | 30 | LDR-Unbiased | 97.557 | 97.524 | -0.033 |
| 87 | 100 | LDR-Biased | 97.582 | 97.508 | -0.074 |
| 88 | 100 | LDR-Biased | 97.564 | 97.577 | 0.013 |
| 90 | 100 | LDR-Biased | 97.561 | 97.571 | 0.01 |
| 91 | 100 | LDR-Unbiased | 97.566 | 97.496 | -0.07 |
| 93 | 100 | LDR-Unbiased | 97.593 | 97.496 | -0.097 |
| 94 | 100 | LDR-Unbiased | 97.574 | 97.495 | -0.079 |
| 95 | 100 | LDR-Unbiased | 97.574 | 97.506 | -0.068 |
| 96 | 100 | LDR-Unbiased | 97.567 | 97.481 | -0.086 |
| 106 | 50 | LDR-Biased | 97.576 | 97.587 | 0.011 |
| 108 | 50 | LDR-Biased | 97.565 | 97.563 | -0.002 |
| 109 | 50 | LDR-Biased | 97.576 | 97.576 | 0 |
| 110 | 50 | LDR-Biased | 97.569 | 97.569 | 0 |
| 111 | 50 | LDR-Biased | 97.594 | 97.572 | -0.022 |
| 112 | 50 | LDR-Unbiased | 97.559 | 97.573 | 0.014 |
| 113 | 50 | LDR-Unbiased | 97.58 | 97.561 | -0.019 |
| 115 | 50 | LDR-Unbiased | 97.567 | 97.568 | 0.001 |
| 116 | 50 | LDR-Unbiased | 97.557 | 97.549 | -0.008 |
| 117 | 50 | LDR-Unbiased | 97.569 | 97.558 | -0.011 |

Test Statistics (%)

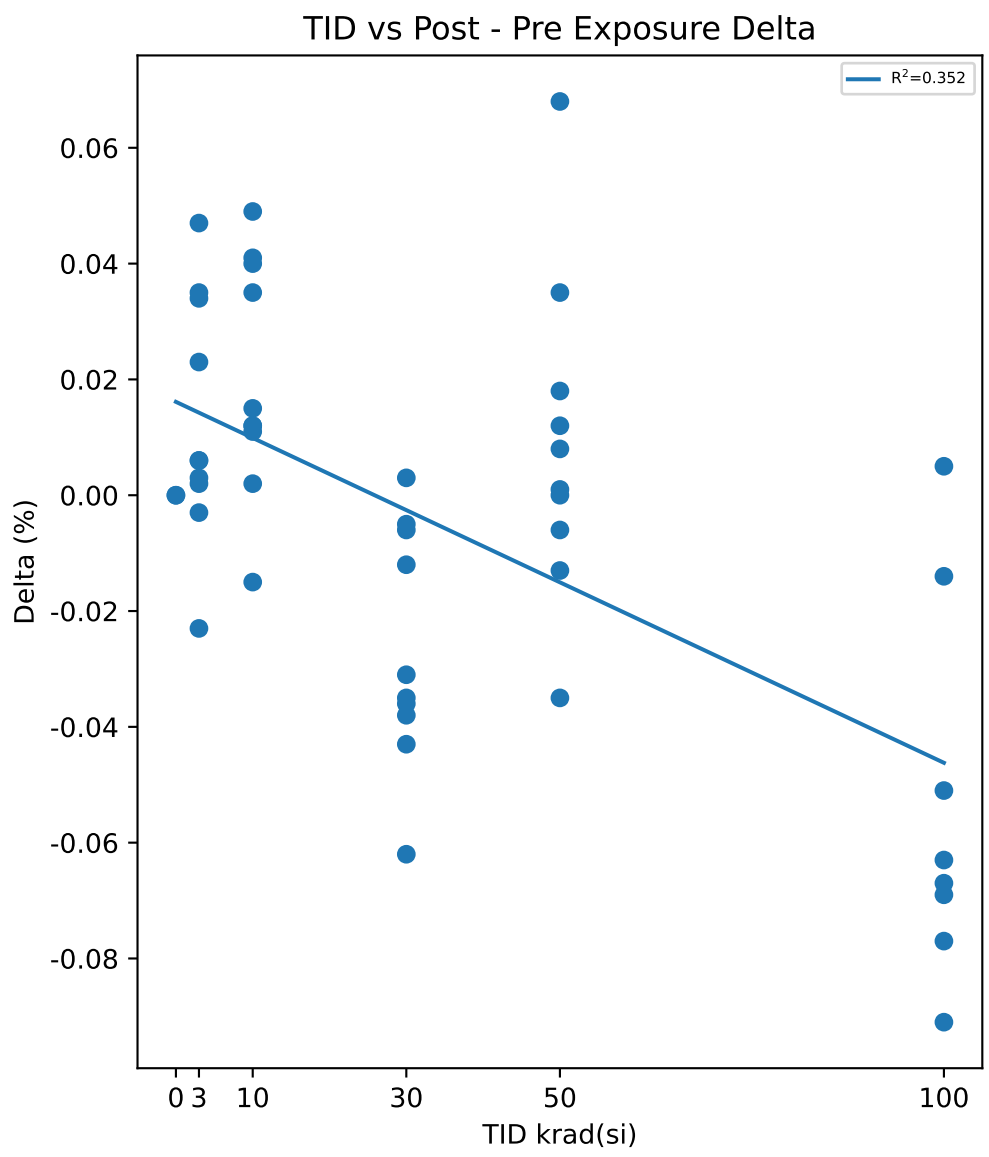
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.569 | 97.573 | 97.578 | 0.006364 | 97.569 | 97.573 | 97.578 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 97.557 | 97.571 | 97.594 | 0.01085 | 97.559 | 97.567 | 97.584 | 0.0075895 | -0.029 | -0.0046 | 0.025 | 0.014546 |
| 10 | 97.557 | 97.571 | 97.594 | 0.01085 | 97.564 | 97.575 | 97.591 | 0.0073606 | -0.023 | 0.004 | 0.032 | 0.015333 |
| 30 | 97.557 | 97.571 | 97.594 | 0.01085 | 97.516 | 97.53 | 97.544 | 0.0087331 | -0.057 | -0.0416 | -0.015 | 0.012695 |
| 50 | 97.557 | 97.571 | 97.594 | 0.01085 | 97.549 | 97.568 | 97.587 | 0.010543 | -0.022 | -0.0036 | 0.014 | 0.011654 |
| 100 | 97.561 | 97.573 | 97.593 | 0.010636 | 97.481 | 97.516 | 97.577 | 0.036597 | -0.097 | -0.056375 | 0.013 | 0.042912 |

# Device Test: 6.35 VOH_2mA_EN2/EN2/1.6/14/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

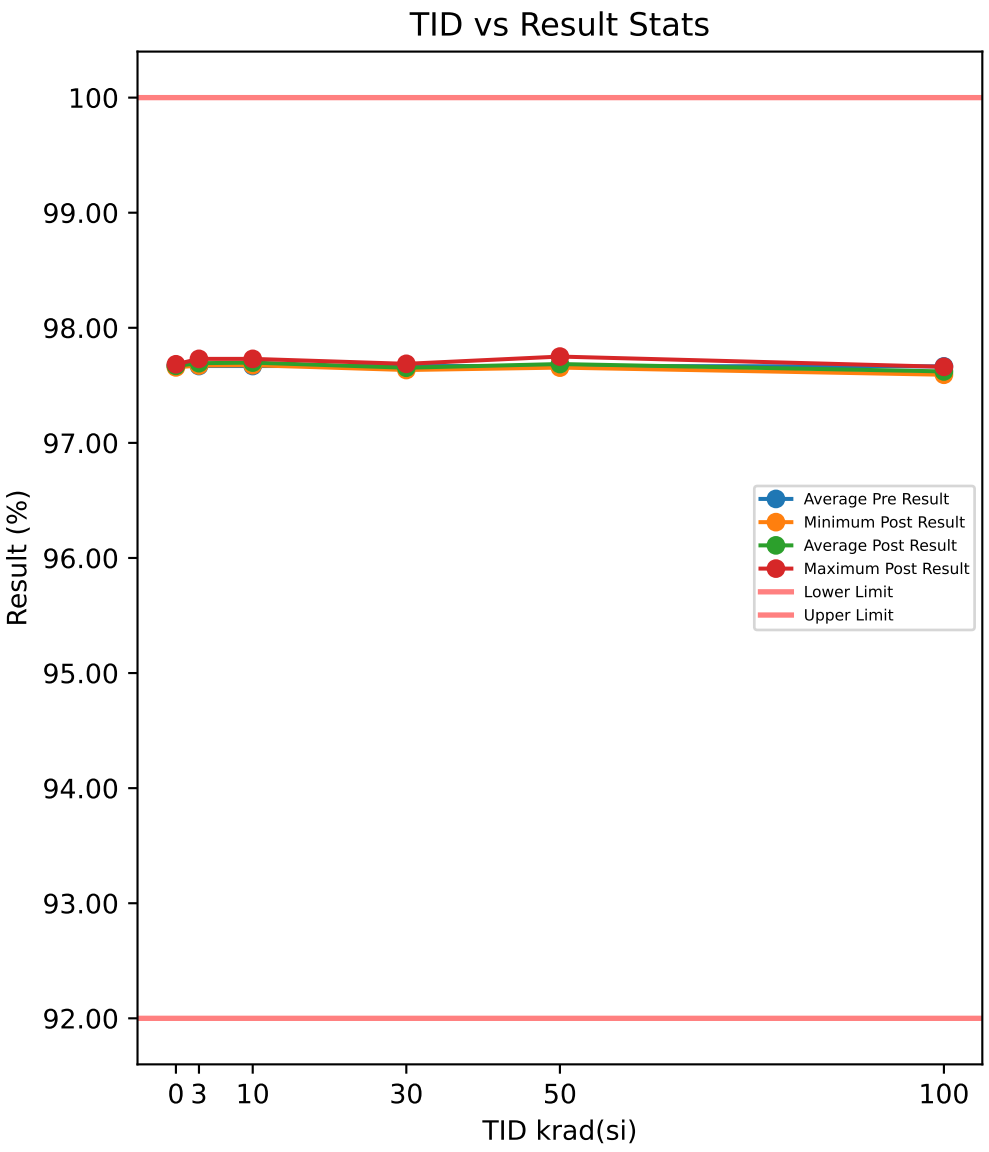
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.592 | 97.592 | 0 |
| 7 | 0 | Correlation | 97.613 | 97.613 | 0 |
| 16 | 3 | LDR-Biased | 97.604 | 97.651 | 0.047 |
| 18 | 3 | LDR-Biased | 97.612 | 97.618 | 0.006 |
| 19 | 3 | LDR-Biased | 97.609 | 97.611 | 0.002 |
| 20 | 3 | LDR-Biased | 97.602 | 97.636 | 0.034 |
| 21 | 3 | LDR-Biased | 97.62 | 97.617 | -0.003 |
| 22 | 3 | LDR-Unbiased | 97.585 | 97.62 | 0.035 |
| 23 | 3 | LDR-Unbiased | 97.632 | 97.609 | -0.023 |
| 25 | 3 | LDR-Unbiased | 97.602 | 97.608 | 0.006 |
| 26 | 3 | LDR-Unbiased | 97.59 | 97.593 | 0.003 |
| 27 | 3 | LDR-Unbiased | 97.597 | 97.62 | 0.023 |
| 46 | 10 | LDR-Biased | 97.604 | 97.653 | 0.049 |
| 48 | 10 | LDR-Biased | 97.612 | 97.624 | 0.012 |
| 49 | 10 | LDR-Biased | 97.609 | 97.621 | 0.012 |
| 50 | 10 | LDR-Biased | 97.602 | 97.643 | 0.041 |
| 51 | 10 | LDR-Biased | 97.62 | 97.622 | 0.002 |
| 52 | 10 | LDR-Unbiased | 97.585 | 97.625 | 0.04 |
| 53 | 10 | LDR-Unbiased | 97.632 | 97.617 | -0.015 |
| 55 | 10 | LDR-Unbiased | 97.602 | 97.613 | 0.011 |
| 56 | 10 | LDR-Unbiased | 97.59 | 97.605 | 0.015 |
| 57 | 10 | LDR-Unbiased | 97.597 | 97.632 | 0.035 |
| 76 | 30 | LDR-Biased | 97.604 | 97.607 | 0.003 |
| 78 | 30 | LDR-Biased | 97.612 | 97.569 | -0.043 |
| 79 | 30 | LDR-Biased | 97.609 | 97.571 | -0.038 |
| 80 | 30 | LDR-Biased | 97.602 | 97.597 | -0.005 |
| 81 | 30 | LDR-Biased | 97.62 | 97.589 | -0.031 |
| 82 | 30 | LDR-Unbiased | 97.585 | 97.579 | -0.006 |
| 83 | 30 | LDR-Unbiased | 97.632 | 97.57 | -0.062 |
| 84 | 30 | LDR-Unbiased | 97.597 | 97.585 | -0.012 |
| 85 | 30 | LDR-Unbiased | 97.602 | 97.567 | -0.035 |
| 86 | 30 | LDR-Unbiased | 97.59 | 97.554 | -0.036 |
| 87 | 100 | LDR-Biased | 97.611 | 97.534 | -0.077 |
| 88 | 100 | LDR-Biased | 97.594 | 97.599 | 0.005 |
| 90 | 100 | LDR-Biased | 97.608 | 97.594 | -0.014 |
| 91 | 100 | LDR-Unbiased | 97.591 | 97.528 | -0.063 |
| 93 | 100 | LDR-Unbiased | 97.62 | 97.529 | -0.091 |
| 94 | 100 | LDR-Unbiased | 97.602 | 97.551 | -0.051 |
| 95 | 100 | LDR-Unbiased | 97.608 | 97.539 | -0.069 |
| 96 | 100 | LDR-Unbiased | 97.596 | 97.529 | -0.067 |
| 106 | 50 | LDR-Biased | 97.604 | 97.672 | 0.068 |
| 108 | 50 | LDR-Biased | 97.612 | 97.613 | 0.001 |
| 109 | 50 | LDR-Biased | 97.609 | 97.617 | 0.008 |
| 110 | 50 | LDR-Biased | 97.602 | 97.637 | 0.035 |
| 111 | 50 | LDR-Biased | 97.62 | 97.62 | 0 |
| 112 | 50 | LDR-Unbiased | 97.585 | 97.603 | 0.018 |
| 113 | 50 | LDR-Unbiased | 97.632 | 97.597 | -0.035 |
| 115 | 50 | LDR-Unbiased | 97.602 | 97.596 | -0.006 |
| 116 | 50 | LDR-Unbiased | 97.59 | 97.577 | -0.013 |
| 117 | 50 | LDR-Unbiased | 97.597 | 97.609 | 0.012 |

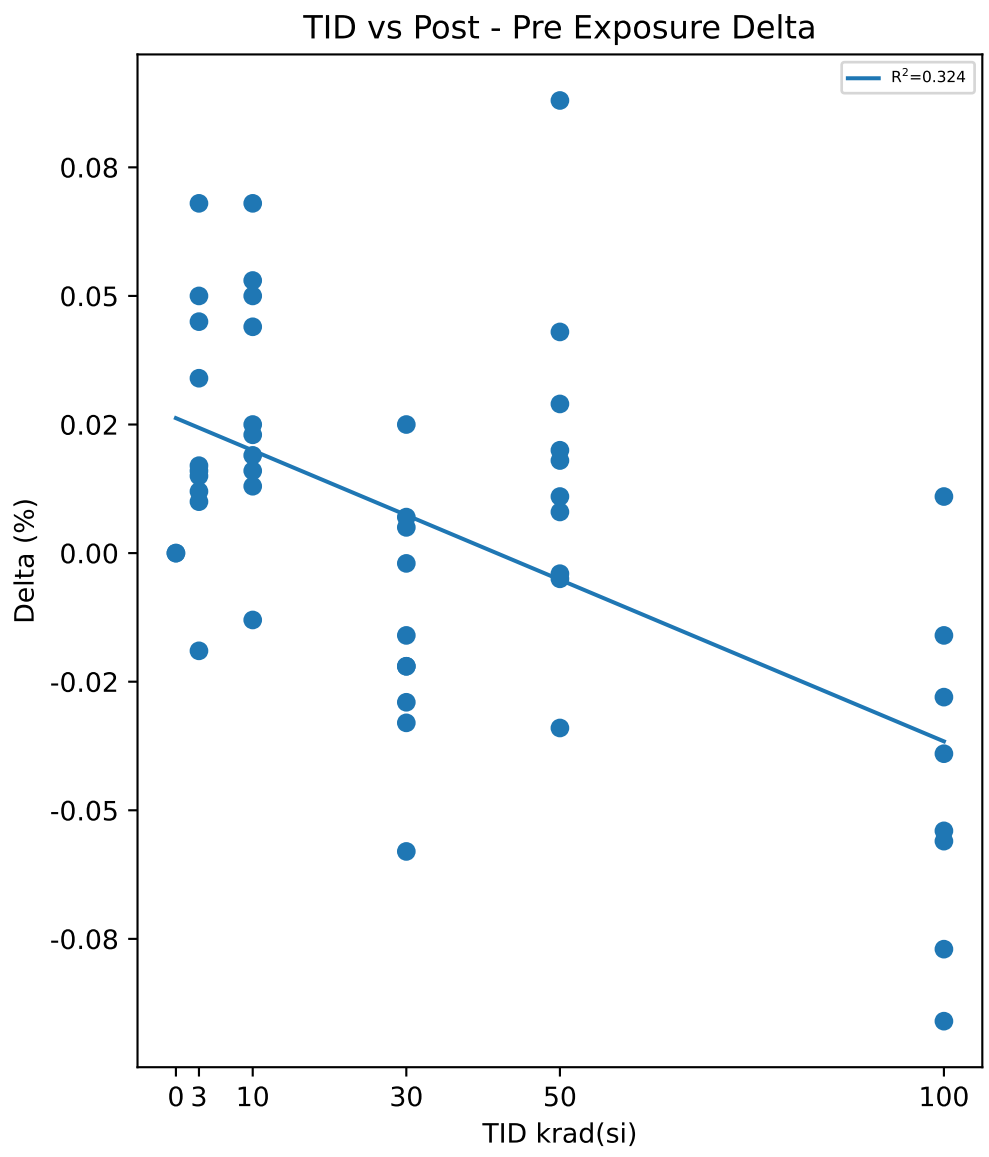



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.592 | 97.602 | 97.613 | 0.014849 | 97.592 | 97.602 | 97.613 | 0.014849 | 0 | 0 | 0 | 0 |
| 3 | 97.585 | 97.605 | 97.632 | 0.013849 | 97.593 | 97.618 | 97.651 | 0.015903 | -0.023 | 0.013 | 0.047 | 0.021218 |
| 10 | 97.585 | 97.605 | 97.632 | 0.013849 | 97.605 | 97.626 | 97.653 | 0.014097 | -0.015 | 0.0202 | 0.049 | 0.020247 |
| 30 | 97.585 | 97.605 | 97.632 | 0.013849 | 97.554 | 97.579 | 97.607 | 0.015838 | -0.062 | -0.0265 | 0.003 | 0.020576 |
| 50 | 97.585 | 97.605 | 97.632 | 0.013849 | 97.577 | 97.614 | 97.672 | 0.025963 | -0.035 | 0.0088 | 0.068 | 0.027963 |
| 100 | 97.591 | 97.604 | 97.62 | 0.0098089 | 97.528 | 97.55 | 97.599 | 0.029471 | -0.091 | -0.053375 | 0.005 | 0.032645 |

# Device Test: 6.36 VOH_2mA_EN3/EN3/1.6/14/0/0/2/@VOH_EN_2MA



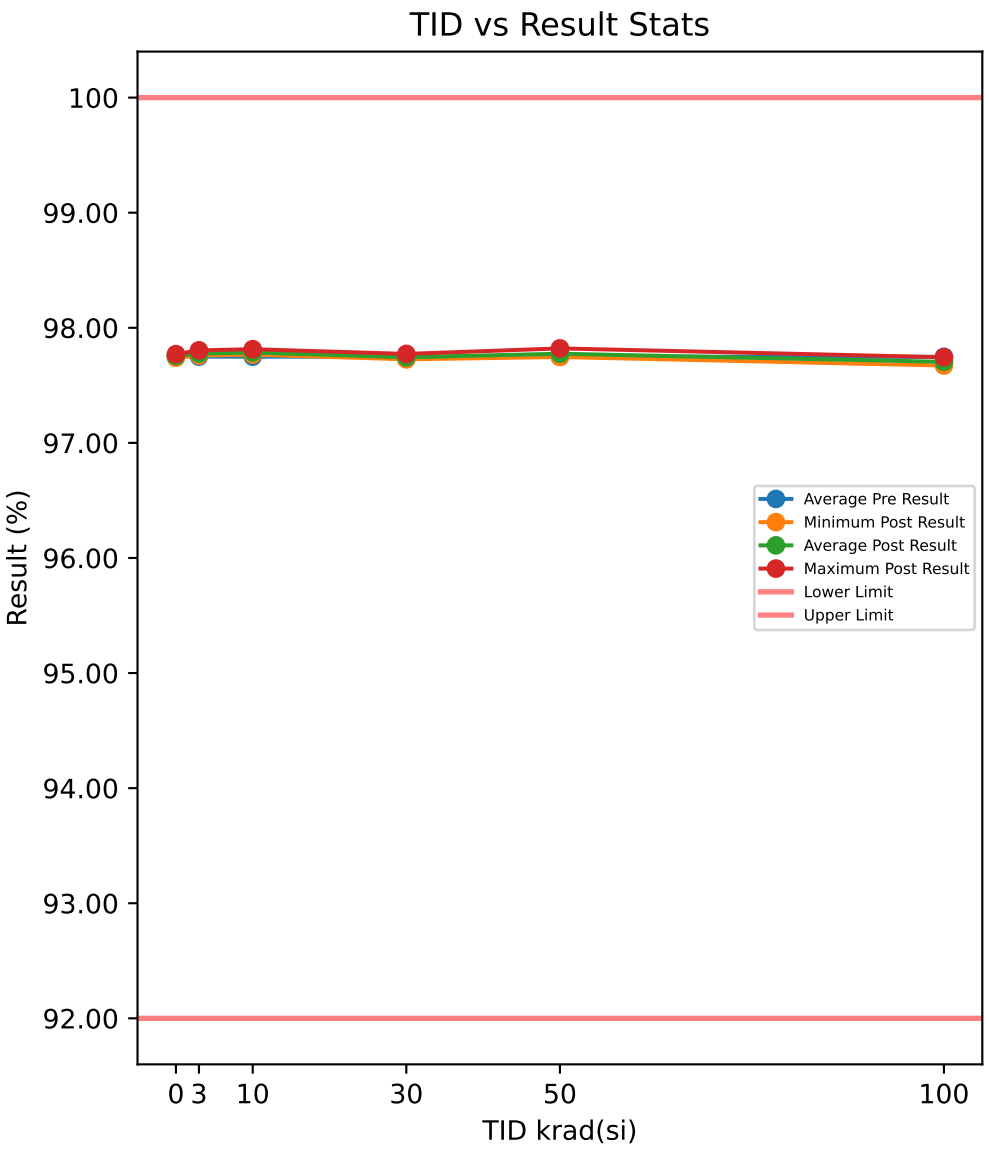

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.656 | 97.656 | 0 |
| 7 | 0 | Correlation | 97.683 | 97.683 | 0 |
| 16 | 3 | LDR-Biased | 97.662 | 97.73 | 0.068 |
| 18 | 3 | LDR-Biased | 97.675 | 97.691 | 0.016 |
| 19 | 3 | LDR-Biased | 97.671 | 97.688 | 0.017 |
| 20 | 3 | LDR-Biased | 97.671 | 97.716 | 0.045 |
| 21 | 3 | LDR-Biased | 97.676 | 97.688 | 0.012 |
| 22 | 3 | LDR-Unbiased | 97.642 | 97.692 | 0.05 |
| 23 | 3 | LDR-Unbiased | 97.7 | 97.681 | -0.019 |
| 25 | 3 | LDR-Unbiased | 97.662 | 97.672 | 0.01 |
| 26 | 3 | LDR-Unbiased | 97.659 | 97.674 | 0.015 |
| 27 | 3 | LDR-Unbiased | 97.659 | 97.693 | 0.034 |
| 46 | 10 | LDR-Biased | 97.662 | 97.73 | 0.068 |
| 48 | 10 | LDR-Biased | 97.675 | 97.694 | 0.019 |
| 49 | 10 | LDR-Biased | 97.671 | 97.696 | 0.025 |
| 50 | 10 | LDR-Biased | 97.671 | 97.721 | 0.05 |
| 51 | 10 | LDR-Biased | 97.676 | 97.692 | 0.016 |
| 52 | 10 | LDR-Unbiased | 97.642 | 97.695 | 0.053 |
| 53 | 10 | LDR-Unbiased | 97.7 | 97.687 | -0.013 |
| 55 | 10 | LDR-Unbiased | 97.662 | 97.675 | 0.013 |
| 56 | 10 | LDR-Unbiased | 97.659 | 97.682 | 0.023 |
| 57 | 10 | LDR-Unbiased | 97.659 | 97.703 | 0.044 |
| 76 | 30 | LDR-Biased | 97.662 | 97.687 | 0.025 |
| 78 | 30 | LDR-Biased | 97.675 | 97.642 | -0.033 |
| 79 | 30 | LDR-Biased | 97.671 | 97.649 | -0.022 |
| 80 | 30 | LDR-Biased | 97.671 | 97.676 | 0.005 |
| 81 | 30 | LDR-Biased | 97.676 | 97.66 | -0.016 |
| 82 | 30 | LDR-Unbiased | 97.642 | 97.649 | 0.007 |
| 83 | 30 | LDR-Unbiased | 97.7 | 97.642 | -0.058 |
| 84 | 30 | LDR-Unbiased | 97.659 | 97.657 | -0.002 |
| 85 | 30 | LDR-Unbiased | 97.662 | 97.633 | -0.029 |
| 86 | 30 | LDR-Unbiased | 97.659 | 97.637 | -0.022 |
| 87 | 100 | LDR-Biased | 97.683 | 97.592 | -0.091 |
| 88 | 100 | LDR-Biased | 97.65 | 97.661 | 0.011 |
| 90 | 100 | LDR-Biased | 97.671 | 97.655 | -0.016 |
| 91 | 100 | LDR-Unbiased | 97.648 | 97.594 | -0.054 |
| 93 | 100 | LDR-Unbiased | 97.676 | 97.599 | -0.077 |
| 94 | 100 | LDR-Unbiased | 97.66 | 97.632 | -0.028 |
| 95 | 100 | LDR-Unbiased | 97.672 | 97.616 | -0.056 |
| 96 | 100 | LDR-Unbiased | 97.658 | 97.619 | -0.039 |
| 106 | 50 | LDR-Biased | 97.662 | 97.75 | 0.088 |
| 108 | 50 | LDR-Biased | 97.675 | 97.683 | 0.008 |
| 109 | 50 | LDR-Biased | 97.671 | 97.689 | 0.018 |
| 110 | 50 | LDR-Biased | 97.671 | 97.714 | 0.043 |
| 111 | 50 | LDR-Biased | 97.676 | 97.687 | 0.011 |
| 112 | 50 | LDR-Unbiased | 97.642 | 97.671 | 0.029 |
| 113 | 50 | LDR-Unbiased | 97.7 | 97.666 | -0.034 |
| 115 | 50 | LDR-Unbiased | 97.662 | 97.658 | -0.004 |
| 116 | 50 | LDR-Unbiased | 97.659 | 97.654 | -0.005 |
| 117 | 50 | LDR-Unbiased | 97.659 | 97.679 | 0.02 |

Test Statistics (%)

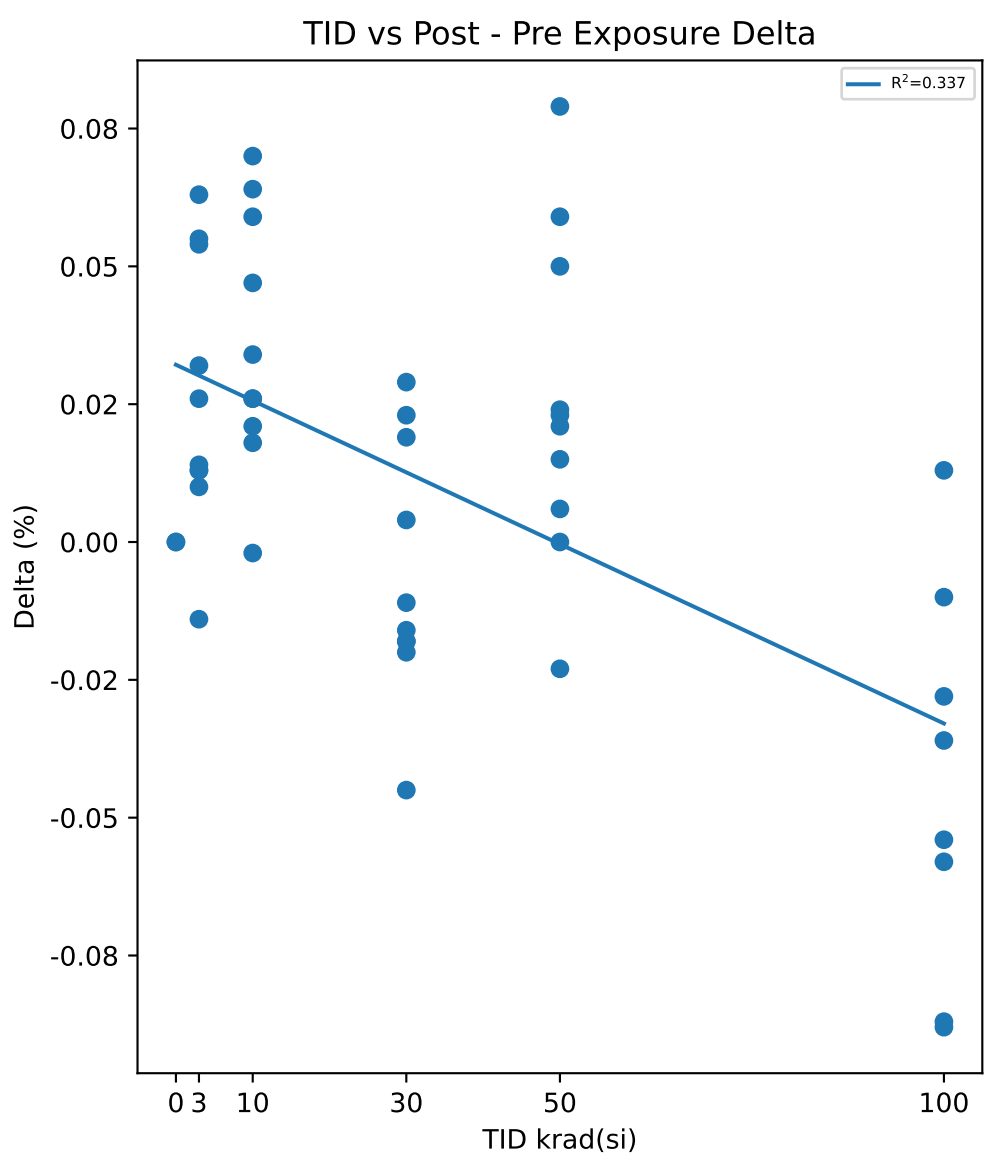
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.656 | 97.669 | 97.683 | 0.019092 | 97.656 | 97.669 | 97.683 | 0.019092 | 0 | 0 | 0 | 0 |
| 3 | 97.642 | 97.668 | 97.7 | 0.015144 | 97.672 | 97.692 | 97.73 | 0.01794 | -0.019 | 0.0248 | 0.068 | 0.024787 |
| 10 | 97.642 | 97.668 | 97.7 | 0.015144 | 97.675 | 97.698 | 97.73 | 0.016821 | -0.013 | 0.0298 | 0.068 | 0.023799 |
| 30 | 97.642 | 97.668 | 97.7 | 0.015144 | 97.633 | 97.653 | 97.687 | 0.017255 | -0.058 | -0.0145 | 0.025 | 0.023848 |
| 50 | 97.642 | 97.668 | 97.7 | 0.015144 | 97.654 | 97.685 | 97.75 | 0.028622 | -0.034 | 0.0174 | 0.088 | 0.032511 |
| 100 | 97.648 | 97.665 | 97.683 | 0.012635 | 97.592 | 97.621 | 97.661 | 0.026619 | -0.091 | -0.04375 | 0.011 | 0.033018 |

# Device Test: 6.37 VOH_2mA_EN4/EN4/1.6/14/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

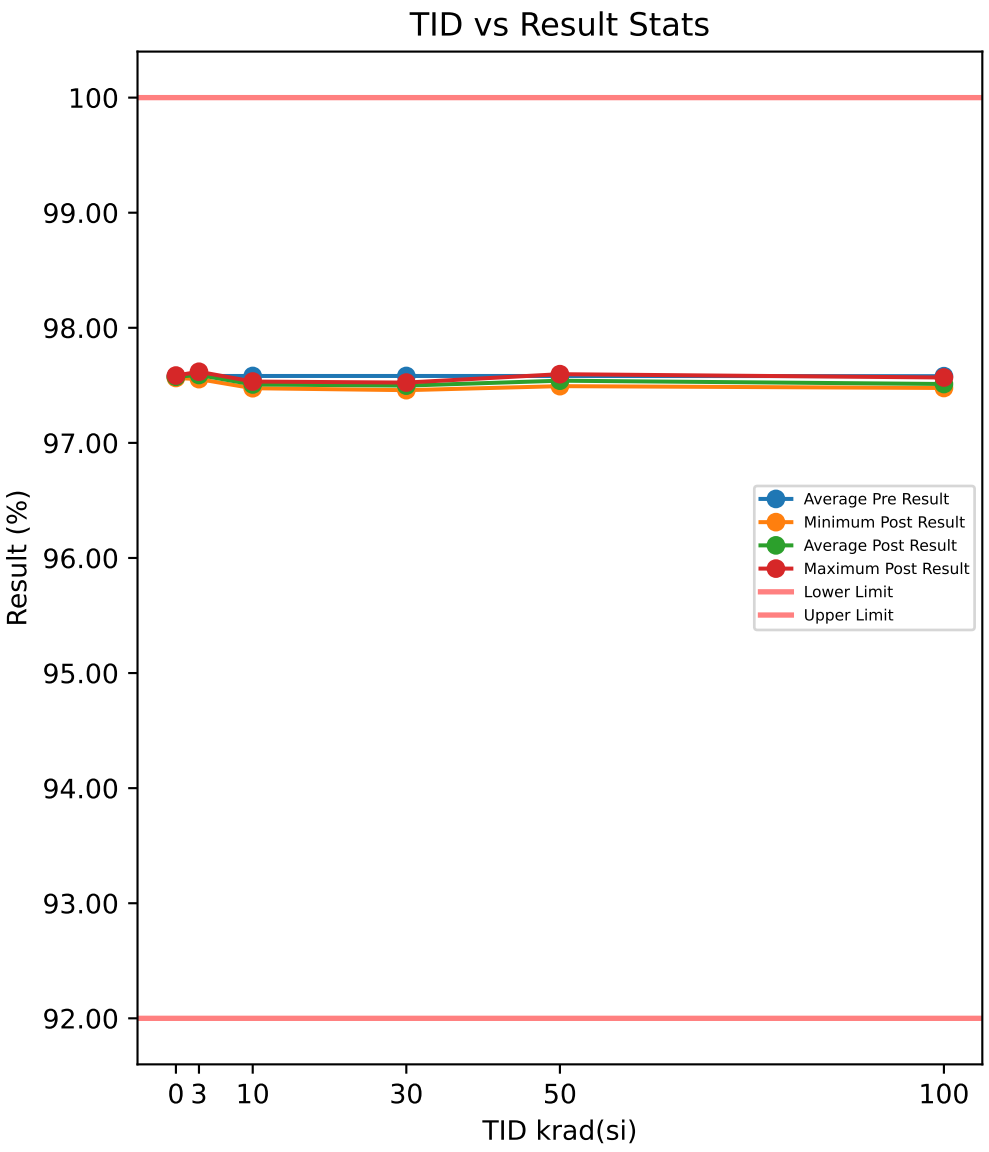
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.74 | 97.74 | 0 |
| 7 | 0 | Correlation | 97.771 | 97.771 | 0 |
| 16 | 3 | LDR-Biased | 97.742 | 97.797 | 0.055 |
| 18 | 3 | LDR-Biased | 97.752 | 97.778 | 0.026 |
| 19 | 3 | LDR-Biased | 97.753 | 97.766 | 0.013 |
| 20 | 3 | LDR-Biased | 97.75 | 97.804 | 0.054 |
| 21 | 3 | LDR-Biased | 97.764 | 97.774 | 0.01 |
| 22 | 3 | LDR-Unbiased | 97.72 | 97.783 | 0.063 |
| 23 | 3 | LDR-Unbiased | 97.775 | 97.761 | -0.014 |
| 25 | 3 | LDR-Unbiased | 97.746 | 97.76 | 0.014 |
| 26 | 3 | LDR-Unbiased | 97.746 | 97.759 | 0.013 |
| 27 | 3 | LDR-Unbiased | 97.745 | 97.777 | 0.032 |
| 46 | 10 | LDR-Biased | 97.742 | 97.801 | 0.059 |
| 48 | 10 | LDR-Biased | 97.752 | 97.786 | 0.034 |
| 49 | 10 | LDR-Biased | 97.753 | 97.779 | 0.026 |
| 50 | 10 | LDR-Biased | 97.75 | 97.814 | 0.064 |
| 51 | 10 | LDR-Biased | 97.764 | 97.782 | 0.018 |
| 52 | 10 | LDR-Unbiased | 97.72 | 97.79 | 0.07 |
| 53 | 10 | LDR-Unbiased | 97.775 | 97.773 | -0.002 |
| 55 | 10 | LDR-Unbiased | 97.746 | 97.767 | 0.021 |
| 56 | 10 | LDR-Unbiased | 97.746 | 97.772 | 0.026 |
| 57 | 10 | LDR-Unbiased | 97.745 | 97.792 | 0.047 |
| 76 | 30 | LDR-Biased | 97.742 | 97.761 | 0.019 |
| 78 | 30 | LDR-Biased | 97.752 | 97.736 | -0.016 |
| 79 | 30 | LDR-Biased | 97.753 | 97.735 | -0.018 |
| 80 | 30 | LDR-Biased | 97.75 | 97.773 | 0.023 |
| 81 | 30 | LDR-Biased | 97.764 | 97.753 | -0.011 |
| 82 | 30 | LDR-Unbiased | 97.72 | 97.749 | 0.029 |
| 83 | 30 | LDR-Unbiased | 97.775 | 97.73 | -0.045 |
| 84 | 30 | LDR-Unbiased | 97.745 | 97.749 | 0.004 |
| 85 | 30 | LDR-Unbiased | 97.746 | 97.726 | -0.02 |
| 86 | 30 | LDR-Unbiased | 97.746 | 97.728 | -0.018 |
| 87 | 100 | LDR-Biased | 97.763 | 97.675 | -0.088 |
| 88 | 100 | LDR-Biased | 97.731 | 97.744 | 0.013 |
| 90 | 100 | LDR-Biased | 97.749 | 97.739 | -0.01 |
| 91 | 100 | LDR-Unbiased | 97.726 | 97.672 | -0.054 |
| 93 | 100 | LDR-Unbiased | 97.764 | 97.677 | -0.087 |
| 94 | 100 | LDR-Unbiased | 97.741 | 97.713 | -0.028 |
| 95 | 100 | LDR-Unbiased | 97.763 | 97.705 | -0.058 |
| 96 | 100 | LDR-Unbiased | 97.744 | 97.708 | -0.036 |
| 106 | 50 | LDR-Biased | 97.742 | 97.821 | 0.079 |
| 108 | 50 | LDR-Biased | 97.752 | 97.775 | 0.023 |
| 109 | 50 | LDR-Biased | 97.753 | 97.774 | 0.021 |
| 110 | 50 | LDR-Biased | 97.75 | 97.809 | 0.059 |
| 111 | 50 | LDR-Biased | 97.764 | 97.779 | 0.015 |
| 112 | 50 | LDR-Unbiased | 97.72 | 97.77 | 0.05 |
| 113 | 50 | LDR-Unbiased | 97.775 | 97.752 | -0.023 |
| 115 | 50 | LDR-Unbiased | 97.746 | 97.752 | 0.006 |
| 116 | 50 | LDR-Unbiased | 97.746 | 97.746 | 0 |
| 117 | 50 | LDR-Unbiased | 97.745 | 97.769 | 0.024 |

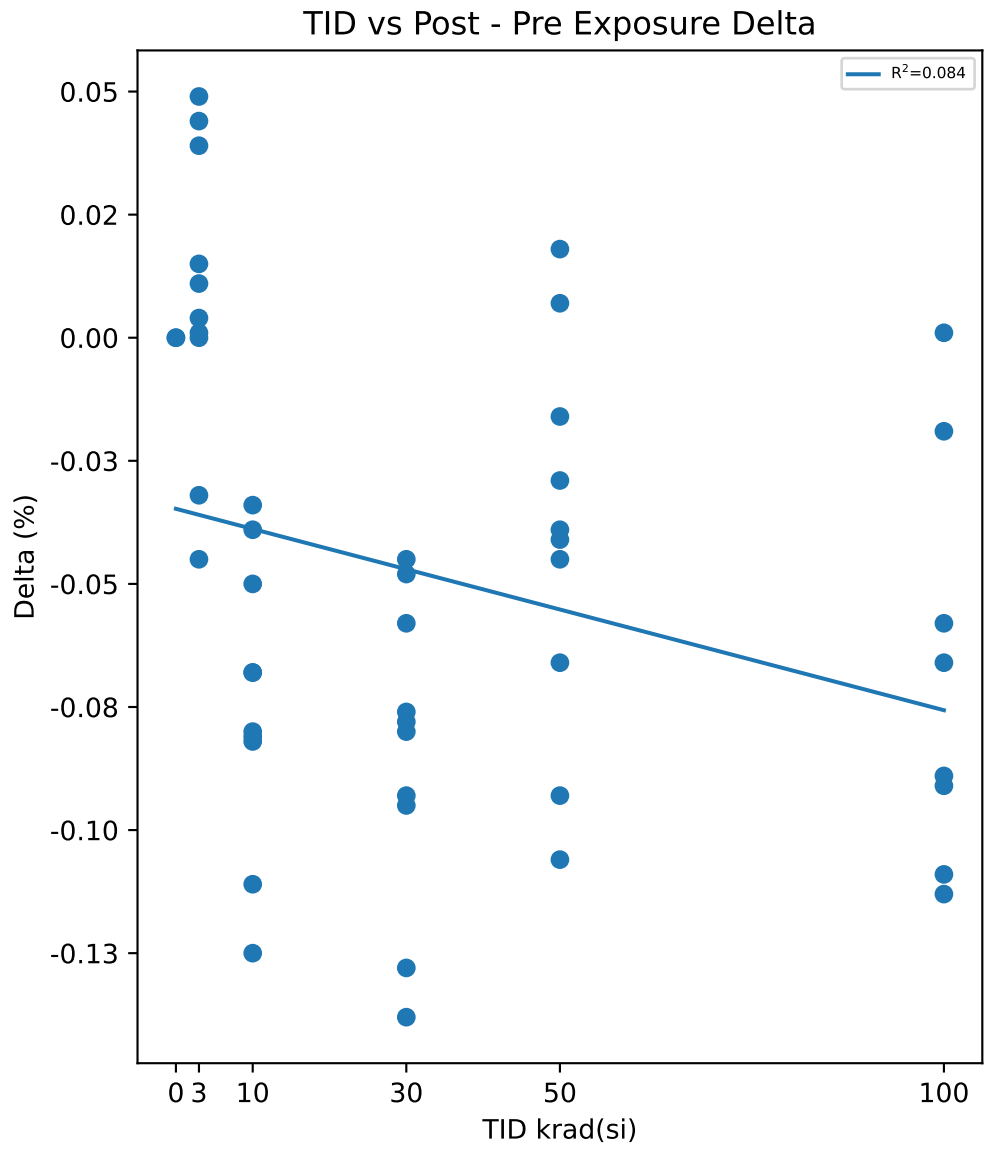



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.74 | 97.755 | 97.771 | 0.02192 | 97.74 | 97.755 | 97.771 | 0.02192 | 0 | 0 | 0 | 0 |
| 3 | 97.72 | 97.749 | 97.775 | 0.014338 | 97.759 | 97.776 | 97.804 | 0.015466 | -0.014 | 0.0266 | 0.063 | 0.024414 |
| 10 | 97.72 | 97.749 | 97.775 | 0.014338 | 97.767 | 97.786 | 97.814 | 0.014339 | -0.002 | 0.0363 | 0.07 | 0.023061 |
| 30 | 97.72 | 97.749 | 97.775 | 0.014338 | 97.726 | 97.744 | 97.773 | 0.015571 | -0.045 | -0.0053 | 0.029 | 0.023372 |
| 50 | 97.72 | 97.749 | 97.775 | 0.014338 | 97.746 | 97.775 | 97.821 | 0.024148 | -0.023 | 0.0254 | 0.079 | 0.030012 |
| 100 | 97.726 | 97.748 | 97.764 | 0.014851 | 97.672 | 97.704 | 97.744 | 0.028074 | -0.088 | -0.0435 | 0.013 | 0.035464 |

# Device Test: 6.38 VOH_2mA_SEQ/SEQ_DONE/1.6/14/0/0/2/@VOH_SEQ_DONE_2MA



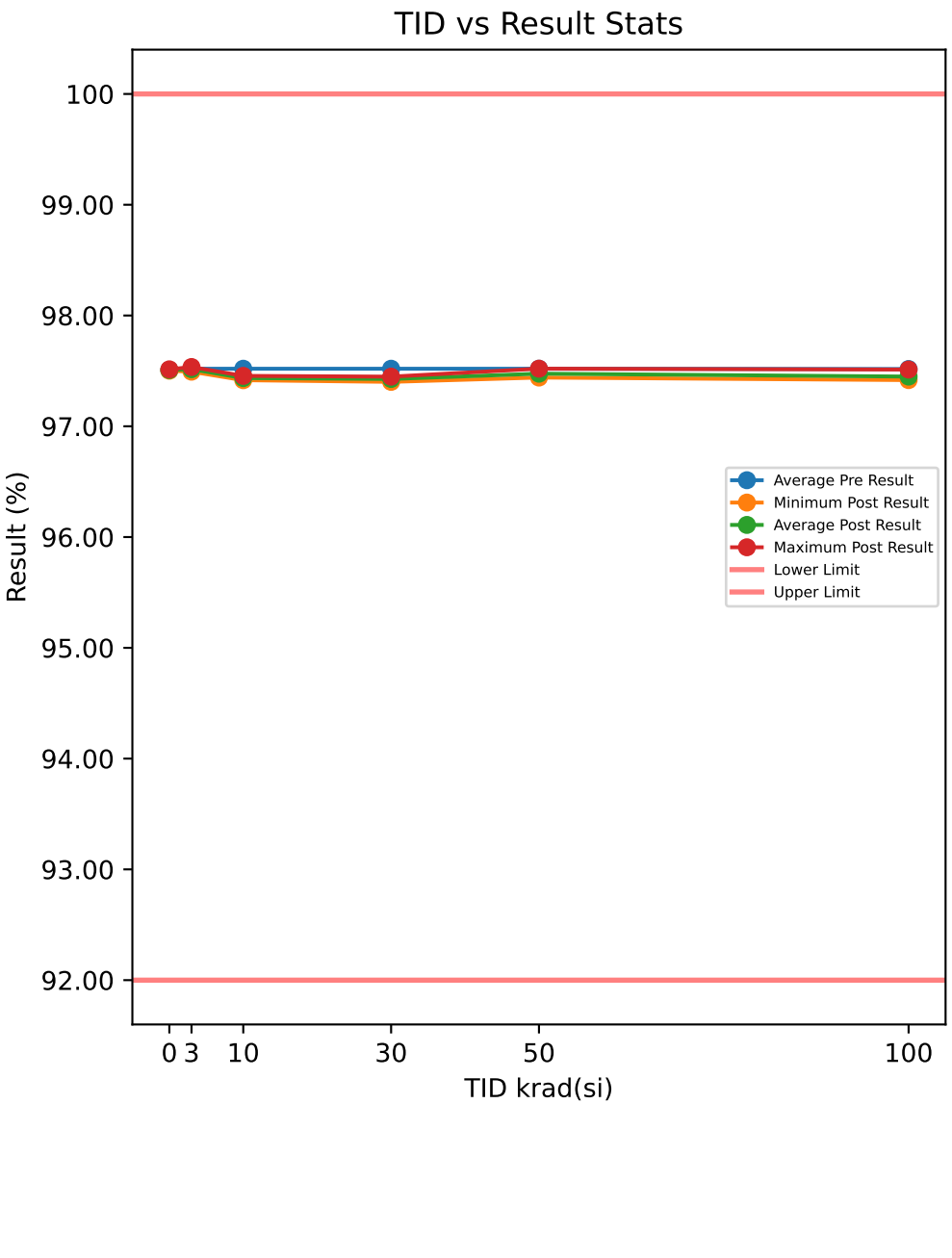

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.564 | 97.564 | 0 |
| 7 | 0 | Correlation | 97.585 | 97.585 | 0 |
| 16 | 3 | LDR-Biased | 97.579 | 97.618 | 0.039 |
| 18 | 3 | LDR-Biased | 97.587 | 97.591 | 0.004 |
| 19 | 3 | LDR-Biased | 97.577 | 97.588 | 0.011 |
| 20 | 3 | LDR-Biased | 97.572 | 97.616 | 0.044 |
| 21 | 3 | LDR-Biased | 97.593 | 97.594 | 0.001 |
| 22 | 3 | LDR-Unbiased | 97.558 | 97.607 | 0.049 |
| 23 | 3 | LDR-Unbiased | 97.616 | 97.571 | -0.045 |
| 25 | 3 | LDR-Unbiased | 97.586 | 97.554 | -0.032 |
| 26 | 3 | LDR-Unbiased | 97.574 | 97.574 | 0 |
| 27 | 3 | LDR-Unbiased | 97.572 | 97.587 | 0.015 |
| 46 | 10 | LDR-Biased | 97.579 | 97.529 | -0.05 |
| 48 | 10 | LDR-Biased | 97.587 | 97.506 | -0.081 |
| 49 | 10 | LDR-Biased | 97.577 | 97.509 | -0.068 |
| 50 | 10 | LDR-Biased | 97.572 | 97.533 | -0.039 |
| 51 | 10 | LDR-Biased | 97.593 | 97.511 | -0.082 |
| 52 | 10 | LDR-Unbiased | 97.558 | 97.524 | -0.034 |
| 53 | 10 | LDR-Unbiased | 97.616 | 97.491 | -0.125 |
| 55 | 10 | LDR-Unbiased | 97.586 | 97.475 | -0.111 |
| 56 | 10 | LDR-Unbiased | 97.574 | 97.494 | -0.08 |
| 57 | 10 | LDR-Unbiased | 97.572 | 97.504 | -0.068 |
| 76 | 30 | LDR-Biased | 97.579 | 97.521 | -0.058 |
| 78 | 30 | LDR-Biased | 97.587 | 97.492 | -0.095 |
| 79 | 30 | LDR-Biased | 97.577 | 97.497 | -0.08 |
| 80 | 30 | LDR-Biased | 97.572 | 97.524 | -0.048 |
| 81 | 30 | LDR-Biased | 97.593 | 97.515 | -0.078 |
| 82 | 30 | LDR-Unbiased | 97.558 | 97.513 | -0.045 |
| 83 | 30 | LDR-Unbiased | 97.616 | 97.478 | -0.138 |
| 84 | 30 | LDR-Unbiased | 97.572 | 97.496 | -0.076 |
| 85 | 30 | LDR-Unbiased | 97.586 | 97.458 | -0.128 |
| 86 | 30 | LDR-Unbiased | 97.574 | 97.481 | -0.093 |
| 87 | 100 | LDR-Biased | 97.589 | 97.48 | -0.109 |
| 88 | 100 | LDR-Biased | 97.567 | 97.568 | 0.001 |
| 90 | 100 | LDR-Biased | 97.582 | 97.563 | -0.019 |
| 91 | 100 | LDR-Unbiased | 97.566 | 97.477 | -0.089 |
| 93 | 100 | LDR-Unbiased | 97.593 | 97.48 | -0.113 |
| 94 | 100 | LDR-Unbiased | 97.577 | 97.519 | -0.058 |
| 95 | 100 | LDR-Unbiased | 97.593 | 97.502 | -0.091 |
| 96 | 100 | LDR-Unbiased | 97.57 | 97.504 | -0.066 |
| 106 | 50 | LDR-Biased | 97.579 | 97.597 | 0.018 |
| 108 | 50 | LDR-Biased | 97.587 | 97.546 | -0.041 |
| 109 | 50 | LDR-Biased | 97.577 | 97.548 | -0.029 |
| 110 | 50 | LDR-Biased | 97.572 | 97.579 | 0.007 |
| 111 | 50 | LDR-Biased | 97.593 | 97.554 | -0.039 |
| 112 | 50 | LDR-Unbiased | 97.558 | 97.542 | -0.016 |
| 113 | 50 | LDR-Unbiased | 97.616 | 97.51 | -0.106 |
| 115 | 50 | LDR-Unbiased | 97.586 | 97.493 | -0.093 |
| 116 | 50 | LDR-Unbiased | 97.574 | 97.508 | -0.066 |
| 117 | 50 | LDR-Unbiased | 97.572 | 97.527 | -0.045 |

Test Statistics (%)

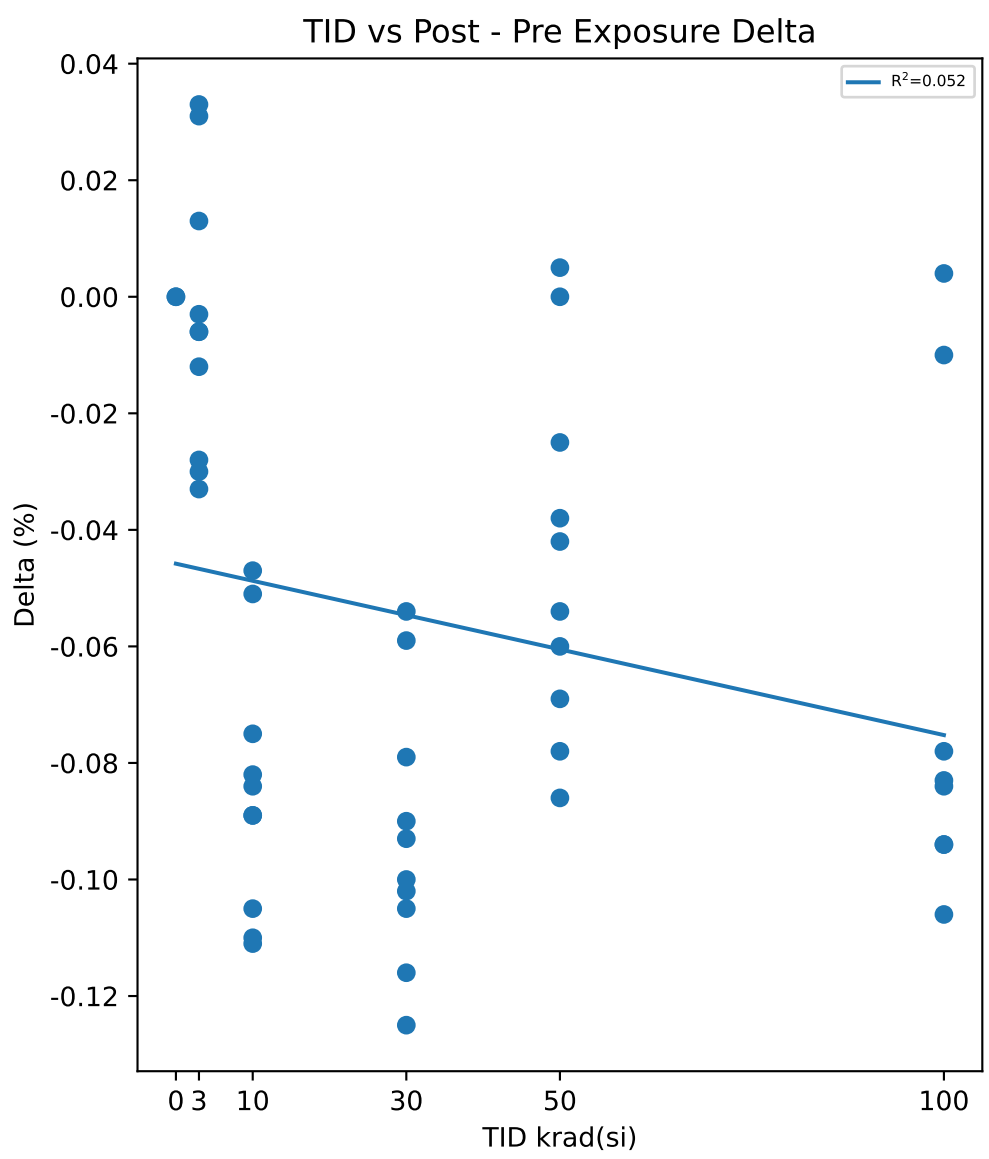
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.564 | 97.575 | 97.585 | 0.014849 | 97.564 | 97.575 | 97.585 | 0.014849 | 0 | 0 | 0 | 0 |
| 3 | 97.558 | 97.581 | 97.616 | 0.015593 | 97.554 | 97.59 | 97.618 | 0.020254 | -0.045 | 0.0086 | 0.049 | 0.030787 |
| 10 | 97.558 | 97.581 | 97.616 | 0.015593 | 97.475 | 97.508 | 97.533 | 0.018026 | -0.125 | -0.0738 | -0.034 | 0.029043 |
| 30 | 97.558 | 97.581 | 97.616 | 0.015593 | 97.458 | 97.498 | 97.524 | 0.021204 | -0.138 | -0.0839 | -0.045 | 0.031025 |
| 50 | 97.558 | 97.581 | 97.616 | 0.015593 | 97.493 | 97.54 | 97.597 | 0.032267 | -0.106 | -0.041 | 0.018 | 0.03962 |
| 100 | 97.566 | 97.58 | 97.593 | 0.011313 | 97.477 | 97.512 | 97.568 | 0.036296 | -0.113 | -0.068 | 0.001 | 0.041304 |

# Device Test: 6.39 VOH_2mA_PWRGD/PWRGD/1.6/14/0/0/2/@VOH_PWRGD_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 97.502 | 97.502 | 0 |
| 7 | 0 | Correlation | 97.514 | 97.514 | 0 |
| 16 | 3 | LDR-Biased | 97.52 | 97.533 | 0.013 |
| 18 | 3 | LDR-Biased | 97.522 | 97.516 | -0.006 |
| 19 | 3 | LDR-Biased | 97.522 | 97.516 | -0.006 |
| 20 | 3 | LDR-Biased | 97.502 | 97.535 | 0.033 |
| 21 | 3 | LDR-Biased | 97.536 | 97.506 | -0.03 |
| 22 | 3 | LDR-Unbiased | 97.503 | 97.534 | 0.031 |
| 23 | 3 | LDR-Unbiased | 97.537 | 97.509 | -0.028 |
| 25 | 3 | LDR-Unbiased | 97.526 | 97.493 | -0.033 |
| 26 | 3 | LDR-Unbiased | 97.514 | 97.502 | -0.012 |
| 27 | 3 | LDR-Unbiased | 97.513 | 97.51 | -0.003 |
| 46 | 10 | LDR-Biased | 97.52 | 97.445 | -0.075 |
| 48 | 10 | LDR-Biased | 97.522 | 97.433 | -0.089 |
| 49 | 10 | LDR-Biased | 97.522 | 97.438 | -0.084 |
| 50 | 10 | LDR-Biased | 97.502 | 97.455 | -0.047 |
| 51 | 10 | LDR-Biased | 97.536 | 97.425 | -0.111 |
| 52 | 10 | LDR-Unbiased | 97.503 | 97.452 | -0.051 |
| 53 | 10 | LDR-Unbiased | 97.537 | 97.432 | -0.105 |
| 55 | 10 | LDR-Unbiased | 97.526 | 97.416 | -0.11 |
| 56 | 10 | LDR-Unbiased | 97.514 | 97.425 | -0.089 |
| 57 | 10 | LDR-Unbiased | 97.513 | 97.431 | -0.082 |
| 76 | 30 | LDR-Biased | 97.52 | 97.441 | -0.079 |
| 78 | 30 | LDR-Biased | 97.522 | 97.422 | -0.1 |
| 79 | 30 | LDR-Biased | 97.522 | 97.429 | -0.093 |
| 80 | 30 | LDR-Biased | 97.502 | 97.448 | -0.054 |
| 81 | 30 | LDR-Biased | 97.536 | 97.431 | -0.105 |
| 82 | 30 | LDR-Unbiased | 97.503 | 97.444 | -0.059 |
| 83 | 30 | LDR-Unbiased | 97.537 | 97.421 | -0.116 |
| 84 | 30 | LDR-Unbiased | 97.513 | 97.423 | -0.09 |
| 85 | 30 | LDR-Unbiased | 97.526 | 97.401 | -0.125 |
| 86 | 30 | LDR-Unbiased | 97.514 | 97.412 | -0.102 |
| 87 | 100 | LDR-Biased | 97.519 | 97.425 | -0.094 |
| 88 | 100 | LDR-Biased | 97.508 | 97.512 | 0.004 |
| 90 | 100 | LDR-Biased | 97.517 | 97.507 | -0.01 |
| 91 | 100 | LDR-Unbiased | 97.511 | 97.417 | -0.094 |
| 93 | 100 | LDR-Unbiased | 97.536 | 97.43 | -0.106 |
| 94 | 100 | LDR-Unbiased | 97.518 | 97.44 | -0.078 |
| 95 | 100 | LDR-Unbiased | 97.515 | 97.431 | -0.084 |
| 96 | 100 | LDR-Unbiased | 97.511 | 97.428 | -0.083 |
| 106 | 50 | LDR-Biased | 97.52 | 97.52 | 0 |
| 108 | 50 | LDR-Biased | 97.522 | 97.48 | -0.042 |
| 109 | 50 | LDR-Biased | 97.522 | 97.484 | -0.038 |
| 110 | 50 | LDR-Biased | 97.502 | 97.507 | 0.005 |
| 111 | 50 | LDR-Biased | 97.536 | 97.476 | -0.06 |
| 112 | 50 | LDR-Unbiased | 97.503 | 97.478 | -0.025 |
| 113 | 50 | LDR-Unbiased | 97.537 | 97.459 | -0.078 |
| 115 | 50 | LDR-Unbiased | 97.526 | 97.44 | -0.086 |
| 116 | 50 | LDR-Unbiased | 97.514 | 97.445 | -0.069 |
| 117 | 50 | LDR-Unbiased | 97.513 | 97.459 | -0.054 |

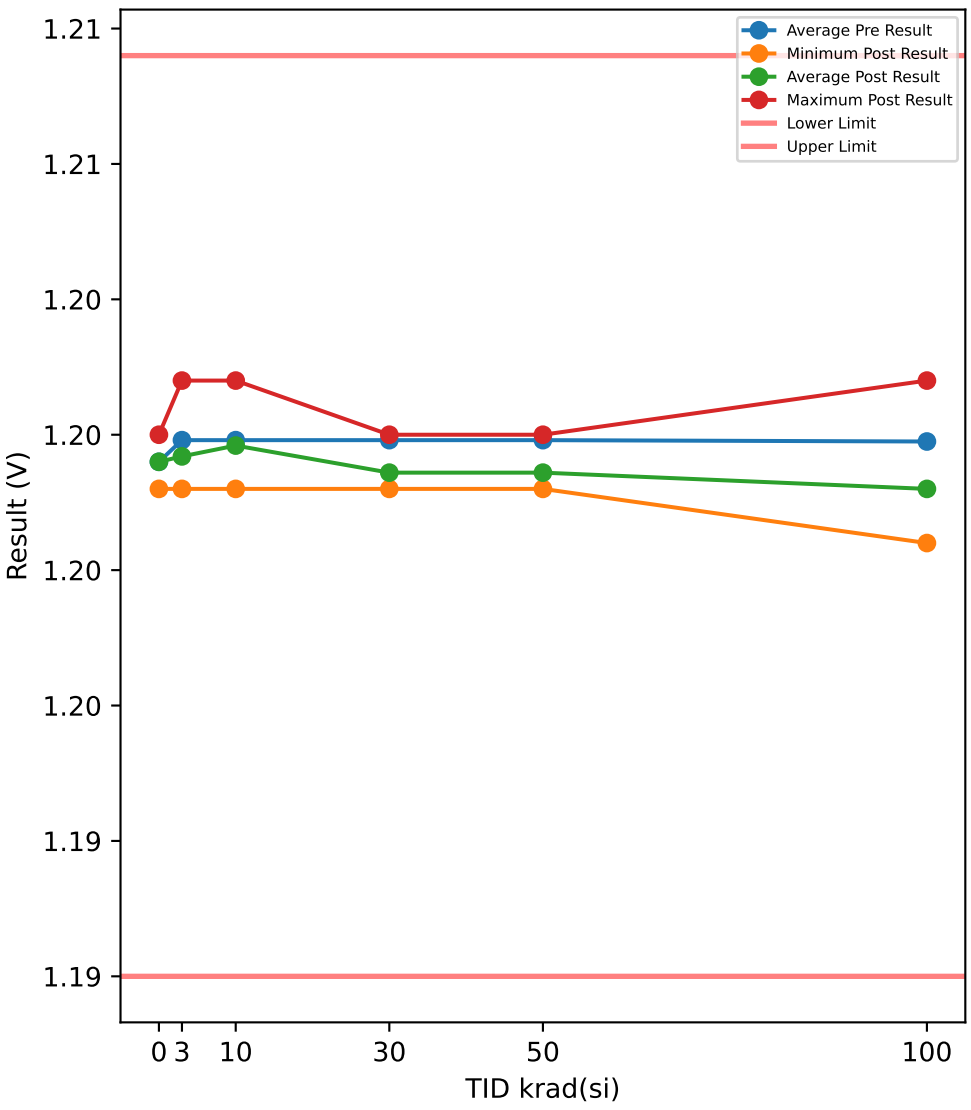



Test Statistics (%)

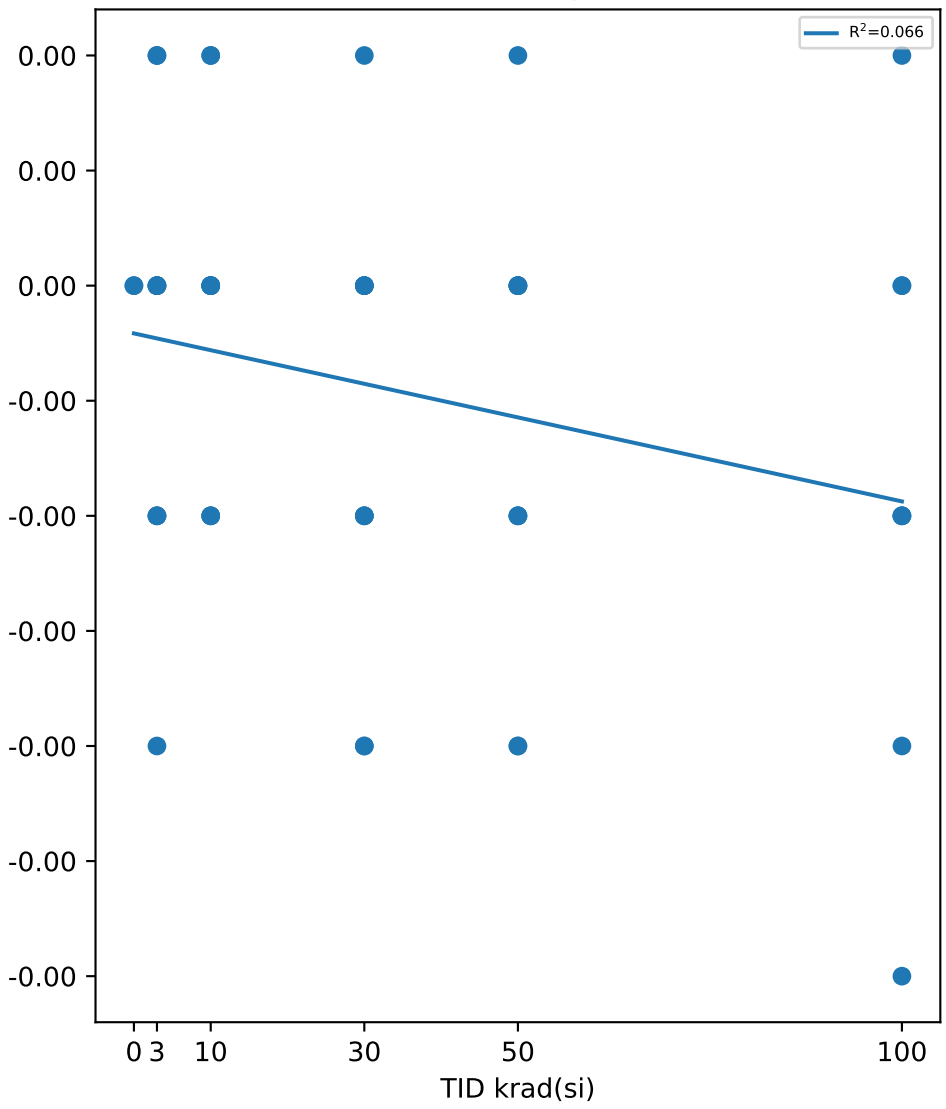
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 97.502 | 97.508 | 97.514 | 0.0084853 | 97.502 | 97.508 | 97.514 | 0.0084853 | 0 | 0 | 0 | 0 |
| 3 | 97.502 | 97.52 | 97.537 | 0.011947 | 97.493 | 97.515 | 97.535 | 0.014455 | -0.033 | -0.0041 | 0.033 | 0.023685 |
| 10 | 97.502 | 97.52 | 97.537 | 0.011947 | 97.416 | 97.435 | 97.455 | 0.012417 | -0.111 | -0.0843 | -0.047 | 0.022206 |
| 30 | 97.502 | 97.52 | 97.537 | 0.011947 | 97.401 | 97.427 | 97.448 | 0.01462 | -0.125 | -0.0923 | -0.054 | 0.022862 |
| 50 | 97.502 | 97.52 | 97.537 | 0.011947 | 97.44 | 97.475 | 97.52 | 0.025389 | -0.086 | -0.0447 | 0.005 | 0.030973 |
| 100 | 97.508 | 97.517 | 97.536 | 0.0086427 | 97.417 | 97.449 | 97.512 | 0.038059 | -0.106 | -0.068125 | 0.004 | 0.041274 |

# Device Test: 6.4 REFCAP/REFCAP//3/0/0/0/@REFCAP

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



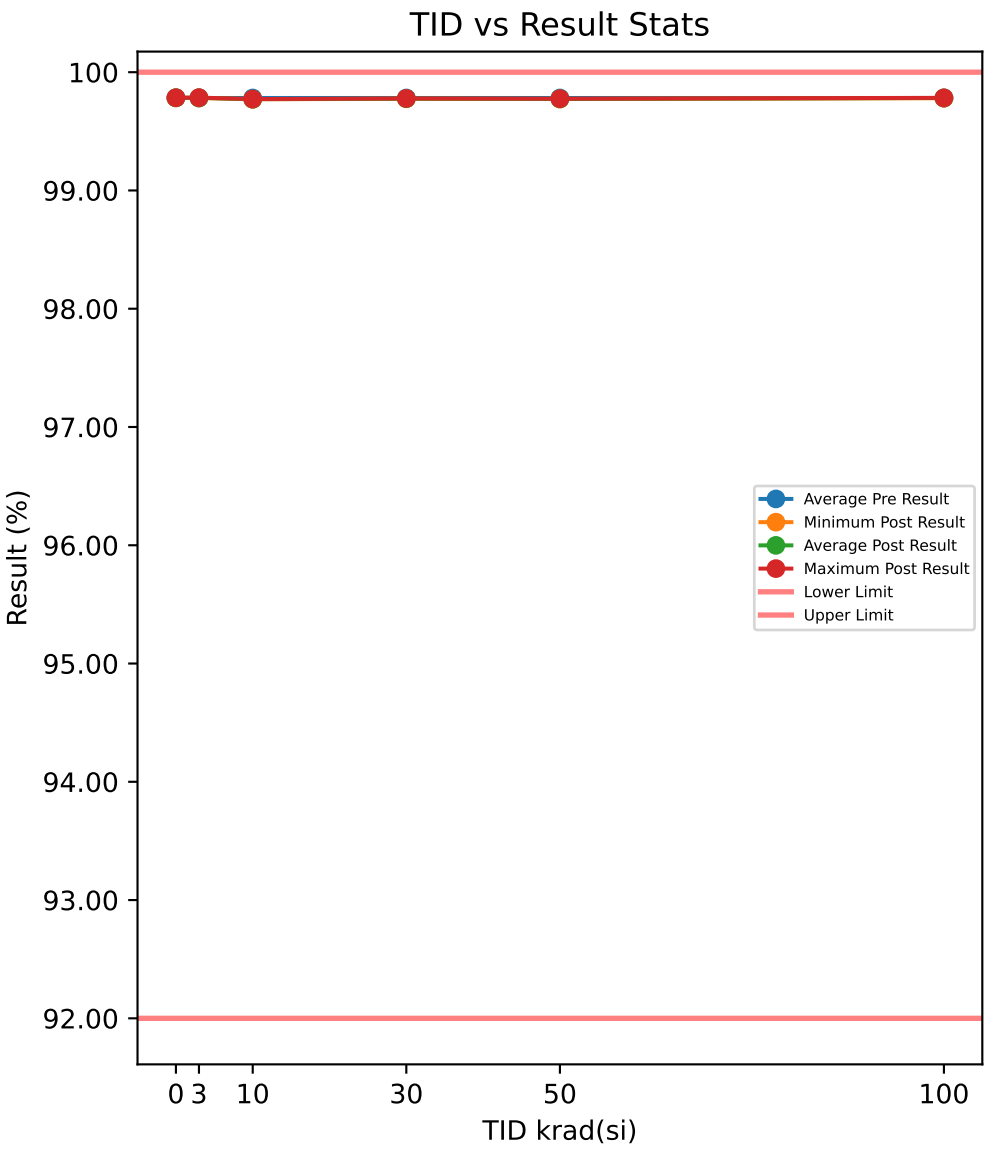

## Test Results (Lower Limit = 1.19, Upper Limit = 1.207 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.199 | 1.199 | 0 |
| 7 | 0 | Correlation | 1.2 | 1.2 | 0 |
| 16 | 3 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 18 | 3 | LDR-Biased | 1.199 | 1.199 | 0 |
| 19 | 3 | LDR-Biased | 1.2 | 1.201 | 0.001 |
| 20 | 3 | LDR-Biased | 1.199 | 1.199 | 0 |
| 21 | 3 | LDR-Biased | 1.2 | 1.2 | 0 |
| 22 | 3 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 23 | 3 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 25 | 3 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 26 | 3 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 27 | 3 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 46 | 10 | LDR-Biased | 1.2 | 1.2 | 0 |
| 48 | 10 | LDR-Biased | 1.199 | 1.199 | 0 |
| 49 | 10 | LDR-Biased | 1.2 | 1.201 | 0.001 |
| 50 | 10 | LDR-Biased | 1.199 | 1.199 | 0 |
| 51 | 10 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 52 | 10 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 53 | 10 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 55 | 10 | LDR-Unbiased | 1.201 | 1.201 | 0 |
| 56 | 10 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 57 | 10 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 76 | 30 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 78 | 30 | LDR-Biased | 1.199 | 1.199 | 0 |
| 79 | 30 | LDR-Biased | 1.2 | 1.2 | 0 |
| 80 | 30 | LDR-Biased | 1.199 | 1.199 | 0 |
| 81 | 30 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 82 | 30 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 83 | 30 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 84 | 30 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 85 | 30 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 86 | 30 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 87 | 100 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 88 | 100 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 90 | 100 | LDR-Biased | 1.199 | 1.199 | 0 |
| 91 | 100 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 93 | 100 | LDR-Unbiased | 1.2 | 1.201 | 0.001 |
| 94 | 100 | LDR-Unbiased | 1.2 | 1.198 | -0.002 |
| 95 | 100 | LDR-Unbiased | 1.2 | 1.199 | -0.001 |
| 96 | 100 | LDR-Unbiased | 1.201 | 1.198 | -0.003 |
| 106 | 50 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 108 | 50 | LDR-Biased | 1.199 | 1.199 | 0 |
| 109 | 50 | LDR-Biased | 1.2 | 1.2 | 0 |
| 110 | 50 | LDR-Biased | 1.199 | 1.199 | 0 |
| 111 | 50 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 112 | 50 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 113 | 50 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 115 | 50 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 116 | 50 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 117 | 50 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |

## Test Statistics (V)

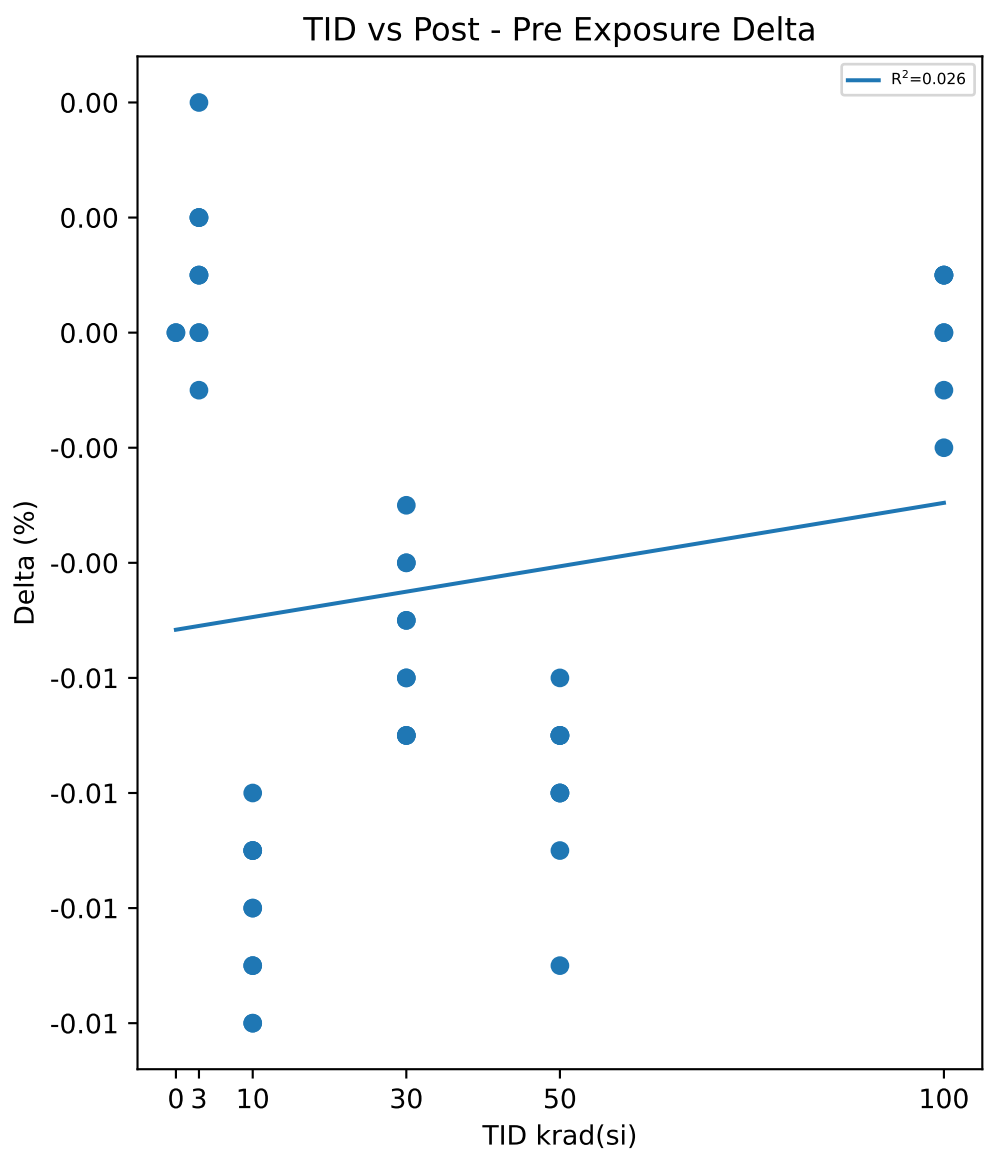
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.199 | 1.1995 | 1.2 | 0.00070711 | 1.199 | 1.1995 | 1.2 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1996 | 1.201 | 0.00069921 | -0.002 | -0.0003 | 0.001 | 0.00094868 |
| 10 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1998 | 1.201 | 0.00078881 | -0.001 | -0.0001 | 0.001 | 0.00073786 |
| 30 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1993 | 1.2 | 0.00048305 | -0.002 | -0.0006 | 0.001 | 0.00096609 |
| 50 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1993 | 1.2 | 0.00048305 | -0.002 | -0.0006 | 0.001 | 0.00096609 |
| 100 | 1.199 | 1.1999 | 1.201 | 0.00064087 | 1.198 | 1.199 | 1.201 | 0.00092582 | -0.003 | -0.000875 | 0.001 | 0.0012464 |

# Device Test: 6.40 VOH_2mA_EN1/EN1/7/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

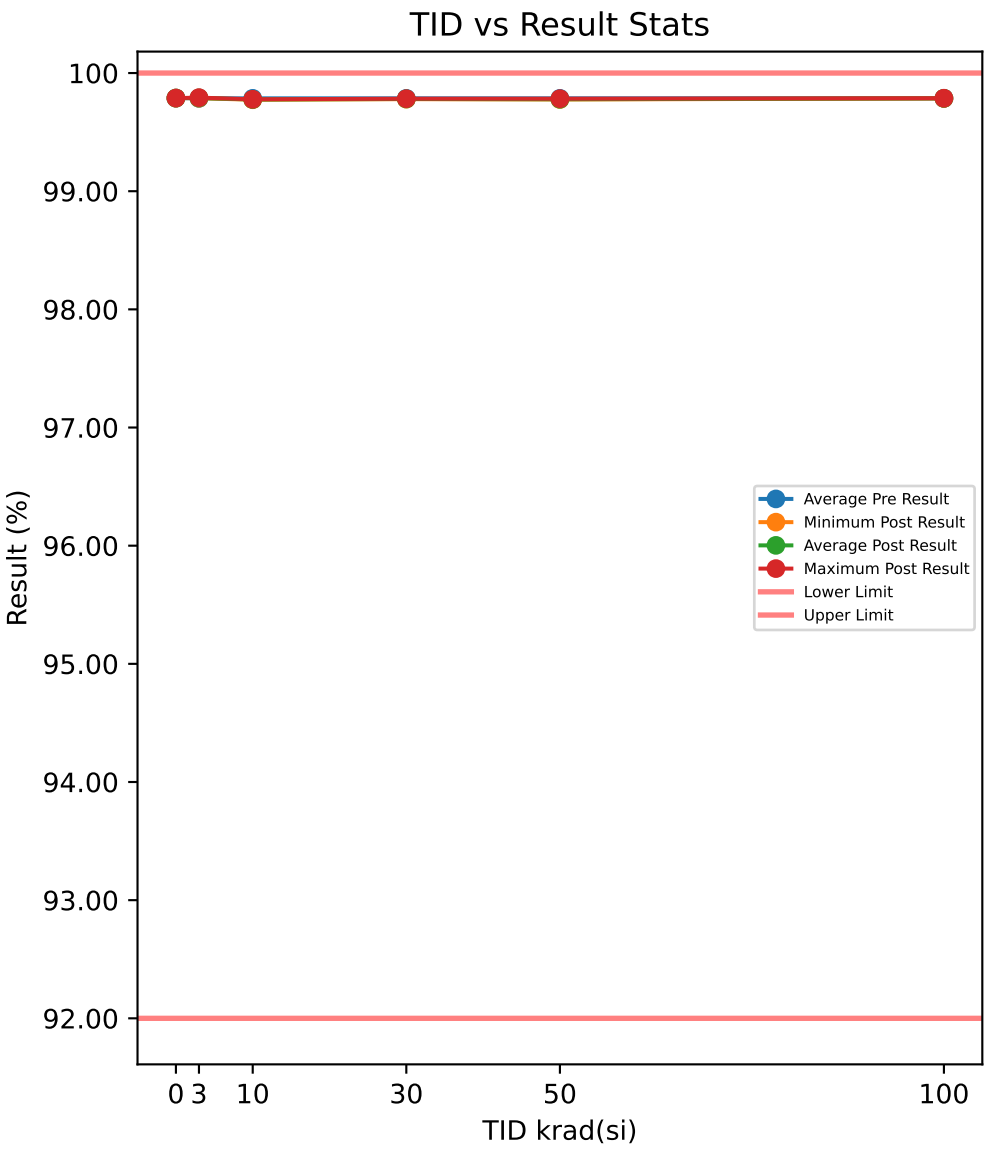
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.784 | 99.784 | 0 |
| 7 | 0 | Correlation | 99.783 | 99.783 | 0 |
| 16 | 3 | LDR-Biased | 99.783 | 99.783 | 0 |
| 18 | 3 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 19 | 3 | LDR-Biased | 99.781 | 99.783 | 0.002 |
| 20 | 3 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 21 | 3 | LDR-Biased | 99.784 | 99.783 | -0.001 |
| 22 | 3 | LDR-Unbiased | 99.781 | 99.785 | 0.004 |
| 23 | 3 | LDR-Unbiased | 99.783 | 99.783 | 0 |
| 25 | 3 | LDR-Unbiased | 99.781 | 99.783 | 0.002 |
| 26 | 3 | LDR-Unbiased | 99.781 | 99.782 | 0.001 |
| 27 | 3 | LDR-Unbiased | 99.781 | 99.783 | 0.002 |
| 46 | 10 | LDR-Biased | 99.783 | 99.771 | -0.012 |
| 48 | 10 | LDR-Biased | 99.782 | 99.771 | -0.011 |
| 49 | 10 | LDR-Biased | 99.781 | 99.772 | -0.009 |
| 50 | 10 | LDR-Biased | 99.782 | 99.772 | -0.01 |
| 51 | 10 | LDR-Biased | 99.784 | 99.772 | -0.012 |
| 52 | 10 | LDR-Unbiased | 99.781 | 99.773 | -0.008 |
| 53 | 10 | LDR-Unbiased | 99.783 | 99.772 | -0.011 |
| 55 | 10 | LDR-Unbiased | 99.781 | 99.771 | -0.01 |
| 56 | 10 | LDR-Unbiased | 99.781 | 99.772 | -0.009 |
| 57 | 10 | LDR-Unbiased | 99.781 | 99.772 | -0.009 |
| 76 | 30 | LDR-Biased | 99.783 | 99.776 | -0.007 |
| 78 | 30 | LDR-Biased | 99.782 | 99.775 | -0.007 |
| 79 | 30 | LDR-Biased | 99.781 | 99.776 | -0.005 |
| 80 | 30 | LDR-Biased | 99.782 | 99.776 | -0.006 |
| 81 | 30 | LDR-Biased | 99.784 | 99.777 | -0.007 |
| 82 | 30 | LDR-Unbiased | 99.781 | 99.778 | -0.003 |
| 83 | 30 | LDR-Unbiased | 99.783 | 99.777 | -0.006 |
| 84 | 30 | LDR-Unbiased | 99.781 | 99.777 | -0.004 |
| 85 | 30 | LDR-Unbiased | 99.781 | 99.777 | -0.004 |
| 86 | 30 | LDR-Unbiased | 99.781 | 99.776 | -0.005 |
| 87 | 100 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 88 | 100 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 90 | 100 | LDR-Biased | 99.781 | 99.782 | 0.001 |
| 91 | 100 | LDR-Unbiased | 99.782 | 99.782 | 0 |
| 93 | 100 | LDR-Unbiased | 99.784 | 99.782 | -0.002 |
| 94 | 100 | LDR-Unbiased | 99.782 | 99.782 | 0 |
| 95 | 100 | LDR-Unbiased | 99.781 | 99.782 | 0.001 |
| 96 | 100 | LDR-Unbiased | 99.781 | 99.78 | -0.001 |
| 106 | 50 | LDR-Biased | 99.783 | 99.776 | -0.007 |
| 108 | 50 | LDR-Biased | 99.782 | 99.774 | -0.008 |
| 109 | 50 | LDR-Biased | 99.781 | 99.774 | -0.007 |
| 110 | 50 | LDR-Biased | 99.782 | 99.775 | -0.007 |
| 111 | 50 | LDR-Biased | 99.784 | 99.773 | -0.011 |
| 112 | 50 | LDR-Unbiased | 99.781 | 99.775 | -0.006 |
| 113 | 50 | LDR-Unbiased | 99.783 | 99.774 | -0.009 |
| 115 | 50 | LDR-Unbiased | 99.781 | 99.774 | -0.007 |
| 116 | 50 | LDR-Unbiased | 99.781 | 99.773 | -0.008 |
| 117 | 50 | LDR-Unbiased | 99.781 | 99.773 | -0.008 |




Test Statistics (%)

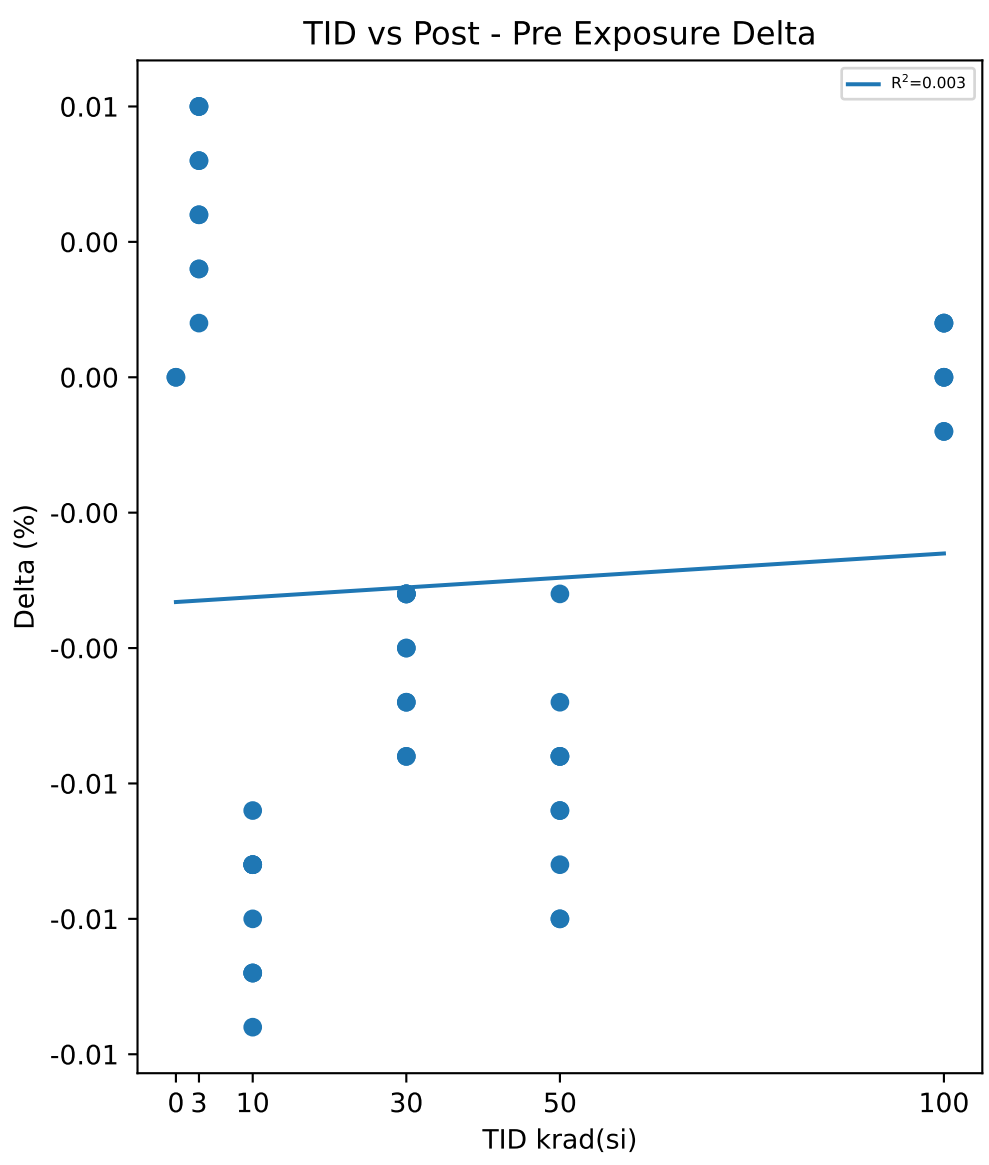
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.783 | 99.784 | 99.784 | 0.00070711 | 99.783 | 99.784 | 99.784 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 99.781 | 99.782 | 99.784 | 0.0011005 | 99.782 | 99.783 | 99.785 | 0.00073786 | -0.001 | 0.0012 | 0.004 | 0.0013984 |
| 10 | 99.781 | 99.782 | 99.784 | 0.0011005 | 99.771 | 99.772 | 99.773 | 0.00063246 | -0.012 | -0.0101 | -0.008 | 0.0013703 |
| 30 | 99.781 | 99.782 | 99.784 | 0.0011005 | 99.775 | 99.776 | 99.778 | 0.00084984 | -0.007 | -0.0054 | -0.003 | 0.0014298 |
| 50 | 99.781 | 99.782 | 99.784 | 0.0011005 | 99.773 | 99.774 | 99.776 | 0.00099443 | -0.011 | -0.0078 | -0.006 | 0.0013984 |
| 100 | 99.781 | 99.782 | 99.784 | 0.00099103 | 99.78 | 99.782 | 99.783 | 0.00092582 | -0.002 | 0.000125 | 0.001 | 0.001126 |

# Device Test: 6.41 VOH_2mA_EN2/EN2/7/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

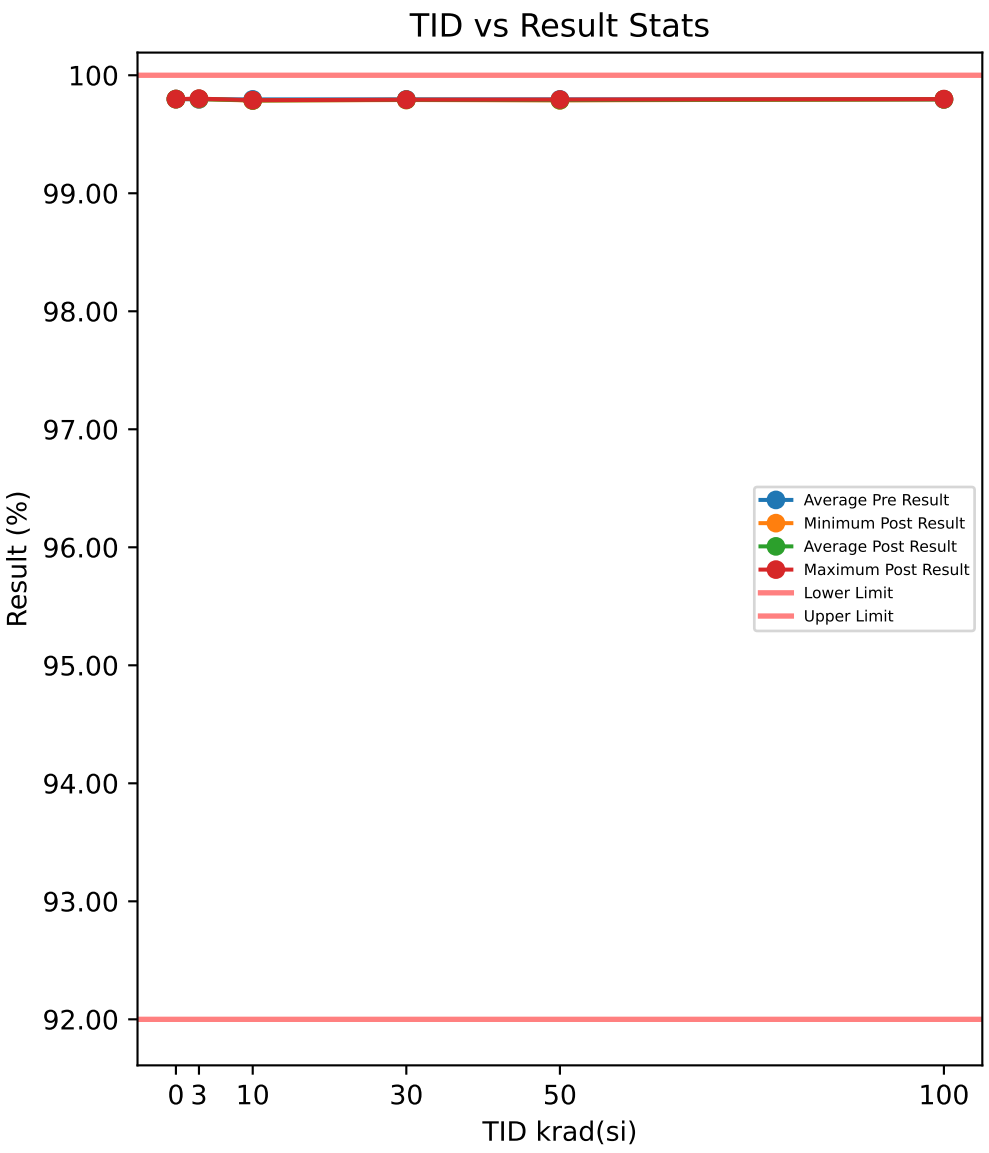
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.788 | 99.788 | 0 |
| 7 | 0 | Correlation | 99.788 | 99.788 | 0 |
| 16 | 3 | LDR-Biased | 99.787 | 99.792 | 0.005 |
| 18 | 3 | LDR-Biased | 99.787 | 99.79 | 0.003 |
| 19 | 3 | LDR-Biased | 99.785 | 99.789 | 0.004 |
| 20 | 3 | LDR-Biased | 99.786 | 99.791 | 0.005 |
| 21 | 3 | LDR-Biased | 99.787 | 99.789 | 0.002 |
| 22 | 3 | LDR-Unbiased | 99.785 | 99.79 | 0.005 |
| 23 | 3 | LDR-Unbiased | 99.788 | 99.789 | 0.001 |
| 25 | 3 | LDR-Unbiased | 99.785 | 99.787 | 0.002 |
| 26 | 3 | LDR-Unbiased | 99.784 | 99.787 | 0.003 |
| 27 | 3 | LDR-Unbiased | 99.785 | 99.789 | 0.004 |
| 46 | 10 | LDR-Biased | 99.787 | 99.778 | -0.009 |
| 48 | 10 | LDR-Biased | 99.787 | 99.776 | -0.011 |
| 49 | 10 | LDR-Biased | 99.785 | 99.776 | -0.009 |
| 50 | 10 | LDR-Biased | 99.786 | 99.778 | -0.008 |
| 51 | 10 | LDR-Biased | 99.787 | 99.776 | -0.011 |
| 52 | 10 | LDR-Unbiased | 99.785 | 99.776 | -0.009 |
| 53 | 10 | LDR-Unbiased | 99.788 | 99.776 | -0.012 |
| 55 | 10 | LDR-Unbiased | 99.785 | 99.774 | -0.011 |
| 56 | 10 | LDR-Unbiased | 99.784 | 99.774 | -0.01 |
| 57 | 10 | LDR-Unbiased | 99.785 | 99.776 | -0.009 |
| 76 | 30 | LDR-Biased | 99.787 | 99.783 | -0.004 |
| 78 | 30 | LDR-Biased | 99.787 | 99.78 | -0.007 |
| 79 | 30 | LDR-Biased | 99.785 | 99.78 | -0.005 |
| 80 | 30 | LDR-Biased | 99.786 | 99.782 | -0.004 |
| 81 | 30 | LDR-Biased | 99.787 | 99.781 | -0.006 |
| 82 | 30 | LDR-Unbiased | 99.785 | 99.781 | -0.004 |
| 83 | 30 | LDR-Unbiased | 99.788 | 99.781 | -0.007 |
| 84 | 30 | LDR-Unbiased | 99.785 | 99.781 | -0.004 |
| 85 | 30 | LDR-Unbiased | 99.785 | 99.779 | -0.006 |
| 86 | 30 | LDR-Unbiased | 99.784 | 99.779 | -0.005 |
| 87 | 100 | LDR-Biased | 99.787 | 99.787 | 0 |
| 88 | 100 | LDR-Biased | 99.786 | 99.786 | 0 |
| 90 | 100 | LDR-Biased | 99.787 | 99.786 | -0.001 |
| 91 | 100 | LDR-Unbiased | 99.785 | 99.786 | 0.001 |
| 93 | 100 | LDR-Unbiased | 99.787 | 99.786 | -0.001 |
| 94 | 100 | LDR-Unbiased | 99.786 | 99.787 | 0.001 |
| 95 | 100 | LDR-Unbiased | 99.785 | 99.786 | 0.001 |
| 96 | 100 | LDR-Unbiased | 99.785 | 99.785 | 0 |
| 106 | 50 | LDR-Biased | 99.787 | 99.783 | -0.004 |
| 108 | 50 | LDR-Biased | 99.787 | 99.779 | -0.008 |
| 109 | 50 | LDR-Biased | 99.785 | 99.778 | -0.007 |
| 110 | 50 | LDR-Biased | 99.786 | 99.78 | -0.006 |
| 111 | 50 | LDR-Biased | 99.787 | 99.777 | -0.01 |
| 112 | 50 | LDR-Unbiased | 99.785 | 99.778 | -0.007 |
| 113 | 50 | LDR-Unbiased | 99.788 | 99.778 | -0.01 |
| 115 | 50 | LDR-Unbiased | 99.785 | 99.776 | -0.009 |
| 116 | 50 | LDR-Unbiased | 99.784 | 99.776 | -0.008 |
| 117 | 50 | LDR-Unbiased | 99.785 | 99.778 | -0.007 |




Test Statistics (%)

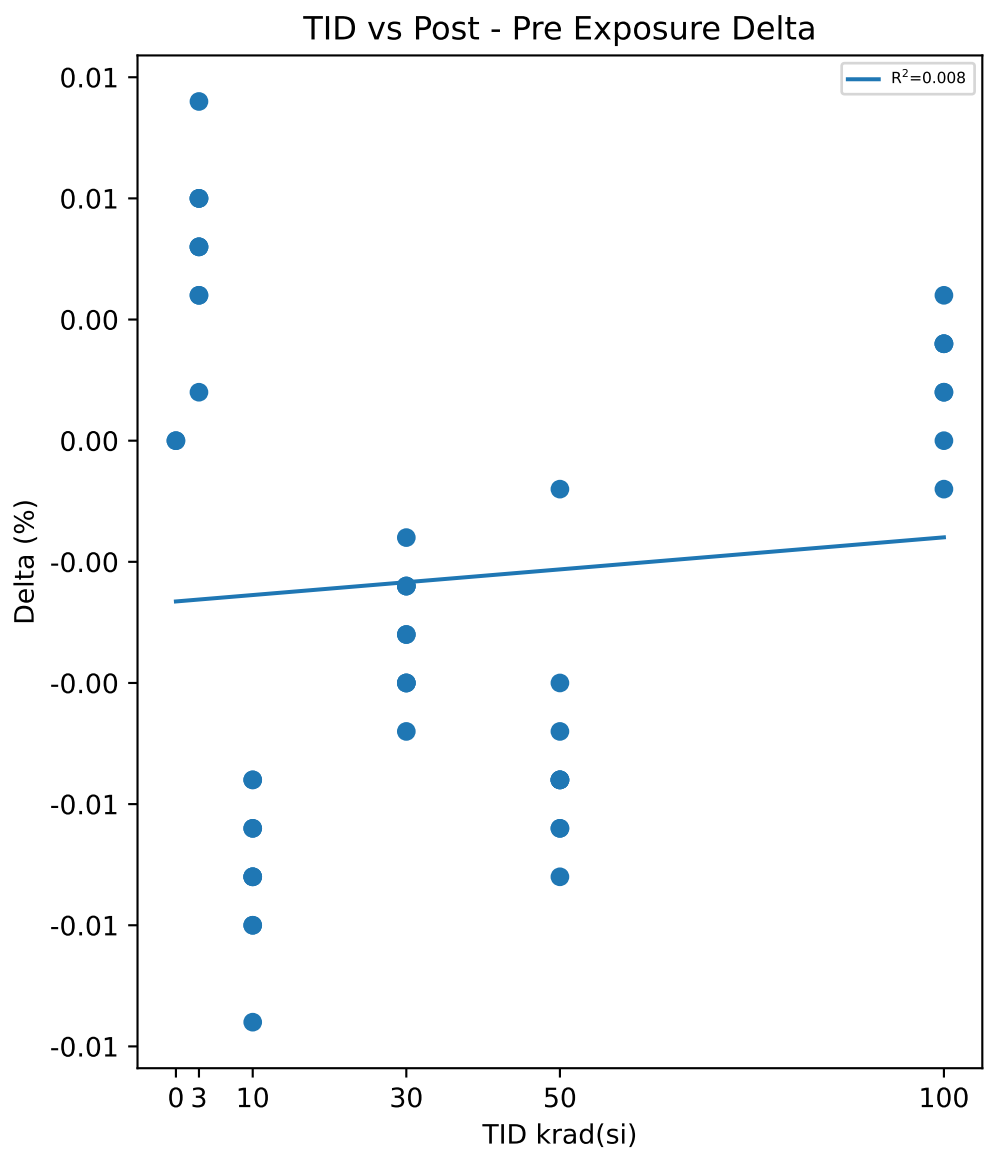
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.788 | 99.788 | 99.788 | 0 | 99.788 | 99.788 | 99.788 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.784 | 99.786 | 99.788 | 0.0012867 | 99.787 | 99.789 | 99.792 | 0.001567 | 0.001 | 0.0034 | 0.005 | 0.0014298 |
| 10 | 99.784 | 99.786 | 99.788 | 0.0012867 | 99.774 | 99.776 | 99.778 | 0.0013333 | -0.012 | -0.0099 | -0.008 | 0.0012867 |
| 30 | 99.784 | 99.786 | 99.788 | 0.0012867 | 99.779 | 99.781 | 99.783 | 0.0012517 | -0.007 | -0.0052 | -0.004 | 0.0012293 |
| 50 | 99.784 | 99.786 | 99.788 | 0.0012867 | 99.776 | 99.778 | 99.783 | 0.0020575 | -0.01 | -0.0076 | -0.004 | 0.0018379 |
| 100 | 99.785 | 99.786 | 99.787 | 0.00092582 | 99.785 | 99.786 | 99.787 | 0.00064087 | -0.001 | 0.000125 | 0.001 | 0.00083452 |

# Device Test: 6.42 VOH_2mA_EN3/EN3/7/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

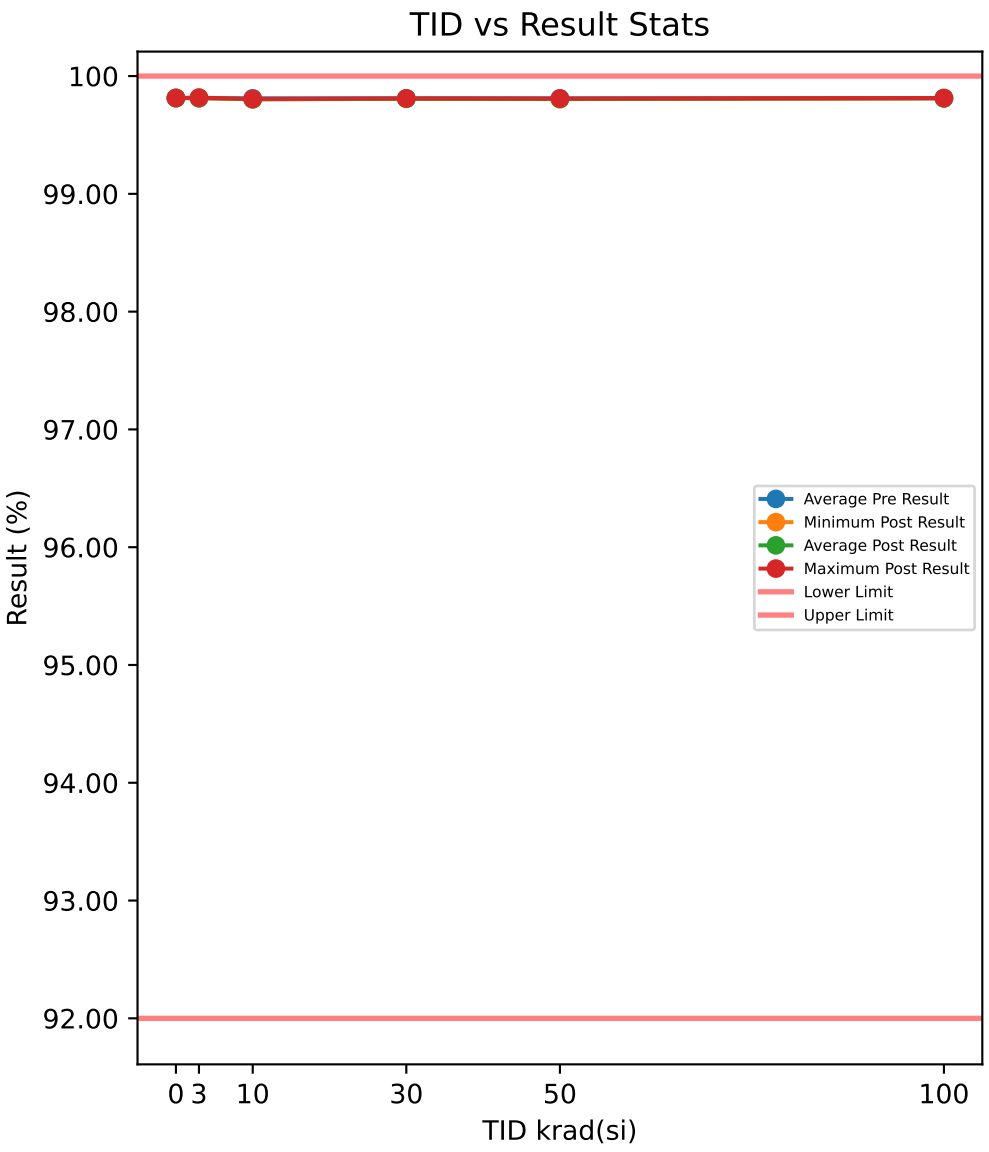
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.798 | 99.798 | 0 |
| 7 | 0 | Correlation | 99.798 | 99.798 | 0 |
| 16 | 3 | LDR-Biased | 99.795 | 99.802 | 0.007 |
| 18 | 3 | LDR-Biased | 99.796 | 99.8 | 0.004 |
| 19 | 3 | LDR-Biased | 99.795 | 99.799 | 0.004 |
| 20 | 3 | LDR-Biased | 99.796 | 99.801 | 0.005 |
| 21 | 3 | LDR-Biased | 99.796 | 99.799 | 0.003 |
| 22 | 3 | LDR-Unbiased | 99.795 | 99.8 | 0.005 |
| 23 | 3 | LDR-Unbiased | 99.798 | 99.799 | 0.001 |
| 25 | 3 | LDR-Unbiased | 99.795 | 99.798 | 0.003 |
| 26 | 3 | LDR-Unbiased | 99.795 | 99.799 | 0.004 |
| 27 | 3 | LDR-Unbiased | 99.795 | 99.8 | 0.005 |
| 46 | 10 | LDR-Biased | 99.795 | 99.788 | -0.007 |
| 48 | 10 | LDR-Biased | 99.796 | 99.787 | -0.009 |
| 49 | 10 | LDR-Biased | 99.795 | 99.786 | -0.009 |
| 50 | 10 | LDR-Biased | 99.796 | 99.789 | -0.007 |
| 51 | 10 | LDR-Biased | 99.796 | 99.786 | -0.01 |
| 52 | 10 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 53 | 10 | LDR-Unbiased | 99.798 | 99.786 | -0.012 |
| 55 | 10 | LDR-Unbiased | 99.795 | 99.785 | -0.01 |
| 56 | 10 | LDR-Unbiased | 99.795 | 99.786 | -0.009 |
| 57 | 10 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 76 | 30 | LDR-Biased | 99.795 | 99.793 | -0.002 |
| 78 | 30 | LDR-Biased | 99.796 | 99.791 | -0.005 |
| 79 | 30 | LDR-Biased | 99.795 | 99.79 | -0.005 |
| 80 | 30 | LDR-Biased | 99.796 | 99.793 | -0.003 |
| 81 | 30 | LDR-Biased | 99.796 | 99.792 | -0.004 |
| 82 | 30 | LDR-Unbiased | 99.795 | 99.792 | -0.003 |
| 83 | 30 | LDR-Unbiased | 99.798 | 99.792 | -0.006 |
| 84 | 30 | LDR-Unbiased | 99.795 | 99.792 | -0.003 |
| 85 | 30 | LDR-Unbiased | 99.795 | 99.79 | -0.005 |
| 86 | 30 | LDR-Unbiased | 99.795 | 99.791 | -0.004 |
| 87 | 100 | LDR-Biased | 99.797 | 99.796 | -0.001 |
| 88 | 100 | LDR-Biased | 99.794 | 99.796 | 0.002 |
| 90 | 100 | LDR-Biased | 99.796 | 99.796 | 0 |
| 91 | 100 | LDR-Unbiased | 99.795 | 99.796 | 0.001 |
| 93 | 100 | LDR-Unbiased | 99.796 | 99.797 | 0.001 |
| 94 | 100 | LDR-Unbiased | 99.795 | 99.798 | 0.003 |
| 95 | 100 | LDR-Unbiased | 99.795 | 99.797 | 0.002 |
| 96 | 100 | LDR-Unbiased | 99.795 | 99.797 | 0.002 |
| 106 | 50 | LDR-Biased | 99.795 | 99.794 | -0.001 |
| 108 | 50 | LDR-Biased | 99.796 | 99.789 | -0.007 |
| 109 | 50 | LDR-Biased | 99.795 | 99.788 | -0.007 |
| 110 | 50 | LDR-Biased | 99.796 | 99.791 | -0.005 |
| 111 | 50 | LDR-Biased | 99.796 | 99.788 | -0.008 |
| 112 | 50 | LDR-Unbiased | 99.795 | 99.789 | -0.006 |
| 113 | 50 | LDR-Unbiased | 99.798 | 99.789 | -0.009 |
| 115 | 50 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 116 | 50 | LDR-Unbiased | 99.795 | 99.788 | -0.007 |
| 117 | 50 | LDR-Unbiased | 99.795 | 99.788 | -0.007 |




Test Statistics (%)

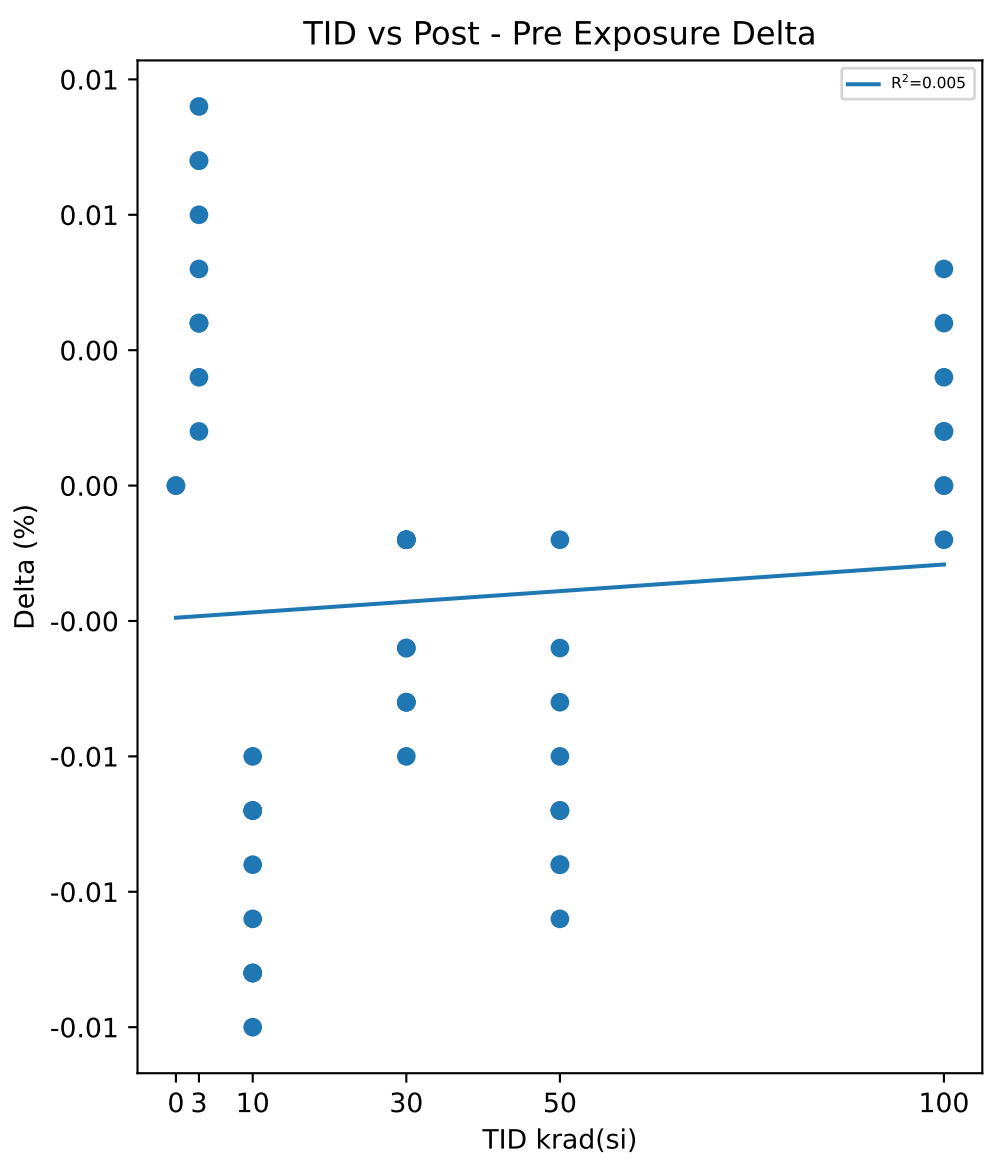
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.798 | 99.798 | 99.798 | 0 | 99.798 | 99.798 | 99.798 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.795 | 99.796 | 99.798 | 0.00096609 | 99.798 | 99.8 | 99.802 | 0.0011595 | 0.001 | 0.0041 | 0.007 | 0.0015951 |
| 10 | 99.795 | 99.796 | 99.798 | 0.00096609 | 99.785 | 99.787 | 99.789 | 0.0011595 | -0.012 | -0.0089 | -0.007 | 0.0015239 |
| 30 | 99.795 | 99.796 | 99.798 | 0.00096609 | 99.79 | 99.792 | 99.793 | 0.001075 | -0.006 | -0.004 | -0.002 | 0.0012472 |
| 50 | 99.795 | 99.796 | 99.798 | 0.00096609 | 99.787 | 99.789 | 99.794 | 0.0020248 | -0.009 | -0.0065 | -0.001 | 0.0022236 |
| 100 | 99.794 | 99.795 | 99.797 | 0.00091613 | 99.796 | 99.797 | 99.798 | 0.00074402 | -0.001 | 0.00125 | 0.003 | 0.0012817 |

# Device Test: 6.43 VOH_2mA_EN4/EN4/7/3/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

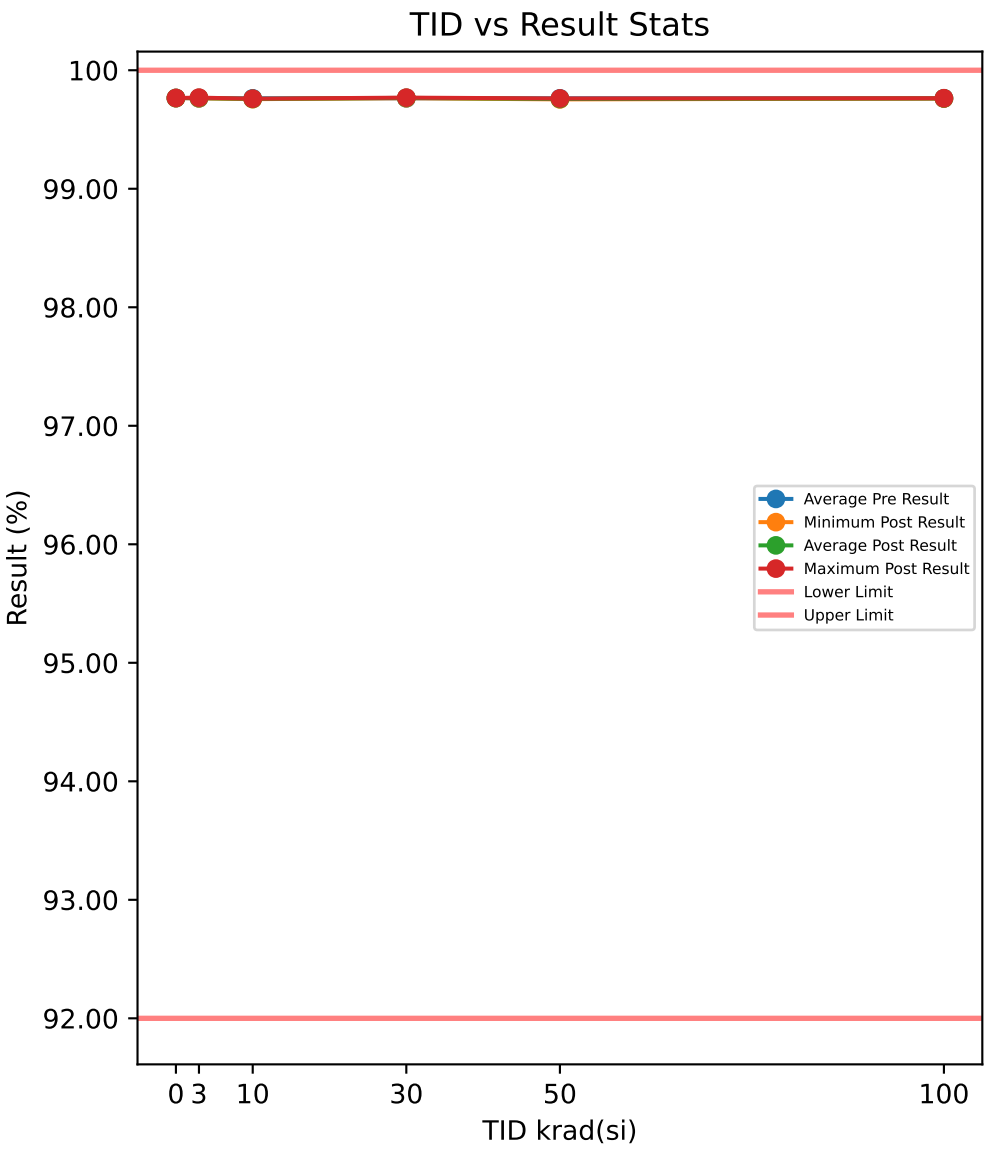
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.813 | 99.813 | 0 |
| 7 | 0 | Correlation | 99.814 | 99.814 | 0 |
| 16 | 3 | LDR-Biased | 99.81 | 99.817 | 0.007 |
| 18 | 3 | LDR-Biased | 99.812 | 99.815 | 0.003 |
| 19 | 3 | LDR-Biased | 99.81 | 99.814 | 0.004 |
| 20 | 3 | LDR-Biased | 99.811 | 99.817 | 0.006 |
| 21 | 3 | LDR-Biased | 99.812 | 99.814 | 0.002 |
| 22 | 3 | LDR-Unbiased | 99.81 | 99.816 | 0.006 |
| 23 | 3 | LDR-Unbiased | 99.813 | 99.814 | 0.001 |
| 25 | 3 | LDR-Unbiased | 99.811 | 99.814 | 0.003 |
| 26 | 3 | LDR-Unbiased | 99.81 | 99.813 | 0.003 |
| 27 | 3 | LDR-Unbiased | 99.81 | 99.815 | 0.005 |
| 46 | 10 | LDR-Biased | 99.81 | 99.804 | -0.006 |
| 48 | 10 | LDR-Biased | 99.812 | 99.803 | -0.009 |
| 49 | 10 | LDR-Biased | 99.81 | 99.803 | -0.007 |
| 50 | 10 | LDR-Biased | 99.811 | 99.806 | -0.005 |
| 51 | 10 | LDR-Biased | 99.812 | 99.803 | -0.009 |
| 52 | 10 | LDR-Unbiased | 99.81 | 99.804 | -0.006 |
| 53 | 10 | LDR-Unbiased | 99.813 | 99.803 | -0.01 |
| 55 | 10 | LDR-Unbiased | 99.811 | 99.802 | -0.009 |
| 56 | 10 | LDR-Unbiased | 99.81 | 99.802 | -0.008 |
| 57 | 10 | LDR-Unbiased | 99.81 | 99.804 | -0.006 |
| 76 | 30 | LDR-Biased | 99.81 | 99.809 | -0.001 |
| 78 | 30 | LDR-Biased | 99.812 | 99.808 | -0.004 |
| 79 | 30 | LDR-Biased | 99.81 | 99.807 | -0.003 |
| 80 | 30 | LDR-Biased | 99.811 | 99.81 | -0.001 |
| 81 | 30 | LDR-Biased | 99.812 | 99.808 | -0.004 |
| 82 | 30 | LDR-Unbiased | 99.81 | 99.809 | -0.001 |
| 83 | 30 | LDR-Unbiased | 99.813 | 99.808 | -0.005 |
| 84 | 30 | LDR-Unbiased | 99.81 | 99.809 | -0.001 |
| 85 | 30 | LDR-Unbiased | 99.811 | 99.807 | -0.004 |
| 86 | 30 | LDR-Unbiased | 99.81 | 99.807 | -0.003 |
| 87 | 100 | LDR-Biased | 99.812 | 99.812 | 0 |
| 88 | 100 | LDR-Biased | 99.81 | 99.811 | 0.001 |
| 90 | 100 | LDR-Biased | 99.812 | 99.811 | -0.001 |
| 91 | 100 | LDR-Unbiased | 99.81 | 99.812 | 0.002 |
| 93 | 100 | LDR-Unbiased | 99.812 | 99.812 | 0 |
| 94 | 100 | LDR-Unbiased | 99.81 | 99.814 | 0.004 |
| 95 | 100 | LDR-Unbiased | 99.811 | 99.812 | 0.001 |
| 96 | 100 | LDR-Unbiased | 99.81 | 99.813 | 0.003 |
| 106 | 50 | LDR-Biased | 99.81 | 99.809 | -0.001 |
| 108 | 50 | LDR-Biased | 99.812 | 99.806 | -0.006 |
| 109 | 50 | LDR-Biased | 99.81 | 99.804 | -0.006 |
| 110 | 50 | LDR-Biased | 99.811 | 99.808 | -0.003 |
| 111 | 50 | LDR-Biased | 99.812 | 99.805 | -0.007 |
| 112 | 50 | LDR-Unbiased | 99.81 | 99.806 | -0.004 |
| 113 | 50 | LDR-Unbiased | 99.813 | 99.805 | -0.008 |
| 115 | 50 | LDR-Unbiased | 99.811 | 99.804 | -0.007 |
| 116 | 50 | LDR-Unbiased | 99.81 | 99.804 | -0.006 |
| 117 | 50 | LDR-Unbiased | 99.81 | 99.805 | -0.005 |




Test Statistics (%)

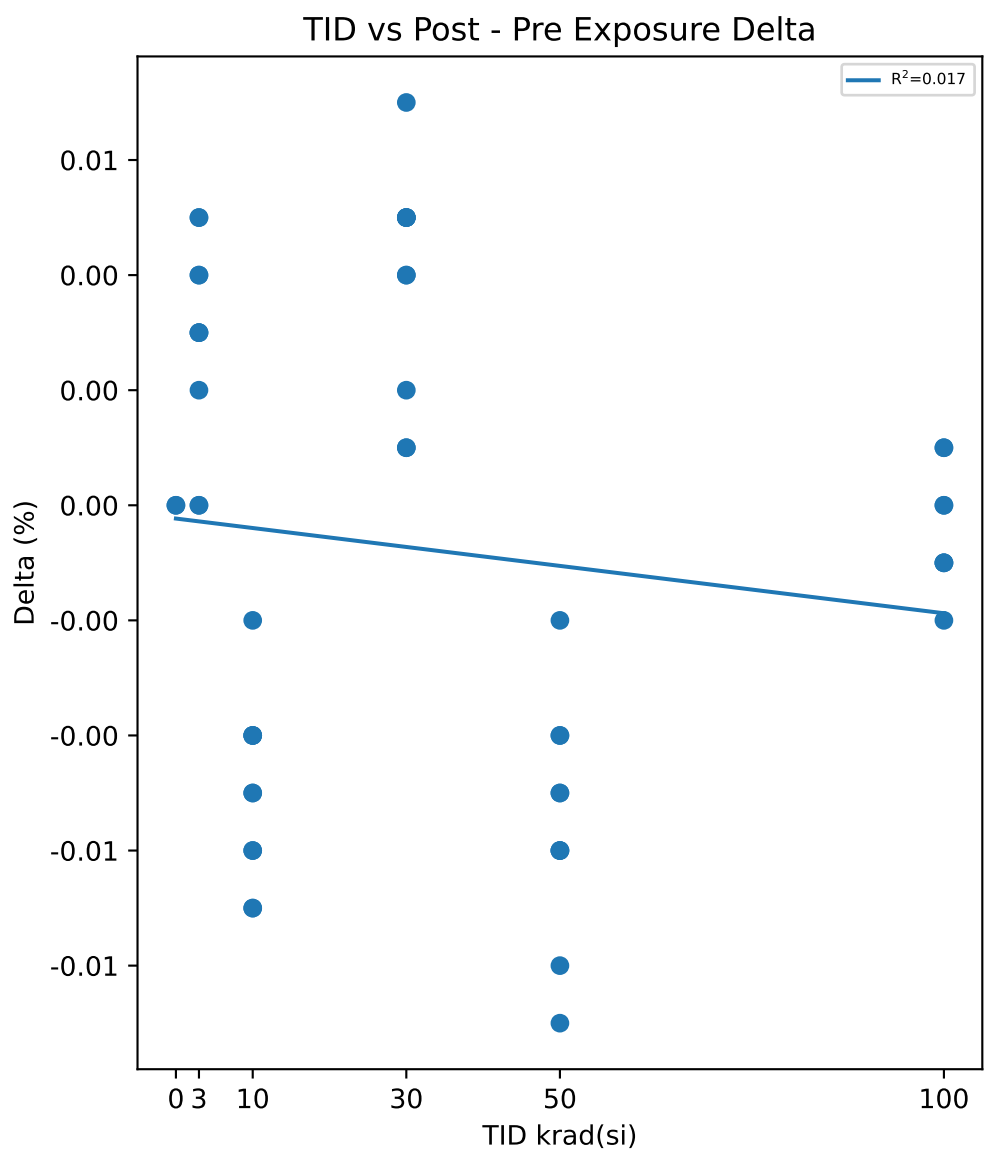
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.813 | 99.814 | 99.814 | 0.00070711 | 99.813 | 99.814 | 99.814 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 99.81 | 99.811 | 99.813 | 0.0011005 | 99.813 | 99.815 | 99.817 | 0.0013703 | 0.001 | 0.004 | 0.007 | 0.0019437 |
| 10 | 99.81 | 99.811 | 99.813 | 0.0011005 | 99.802 | 99.803 | 99.806 | 0.0011738 | -0.01 | -0.0075 | -0.005 | 0.0017159 |
| 30 | 99.81 | 99.811 | 99.813 | 0.0011005 | 99.807 | 99.808 | 99.81 | 0.0010328 | -0.005 | -0.0027 | -0.001 | 0.001567 |
| 50 | 99.81 | 99.811 | 99.813 | 0.0011005 | 99.804 | 99.806 | 99.809 | 0.0017127 | -0.008 | -0.0053 | -0.001 | 0.0021108 |
| 100 | 99.81 | 99.811 | 99.812 | 0.00099103 | 99.811 | 99.812 | 99.814 | 0.00099103 | -0.001 | 0.00125 | 0.004 | 0.001669 |

# Device Test: 6.44 VOH_2mA_SEQ/SEQ_DONE/7/3/0/0/2/@VOH_SEQ_DONE_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

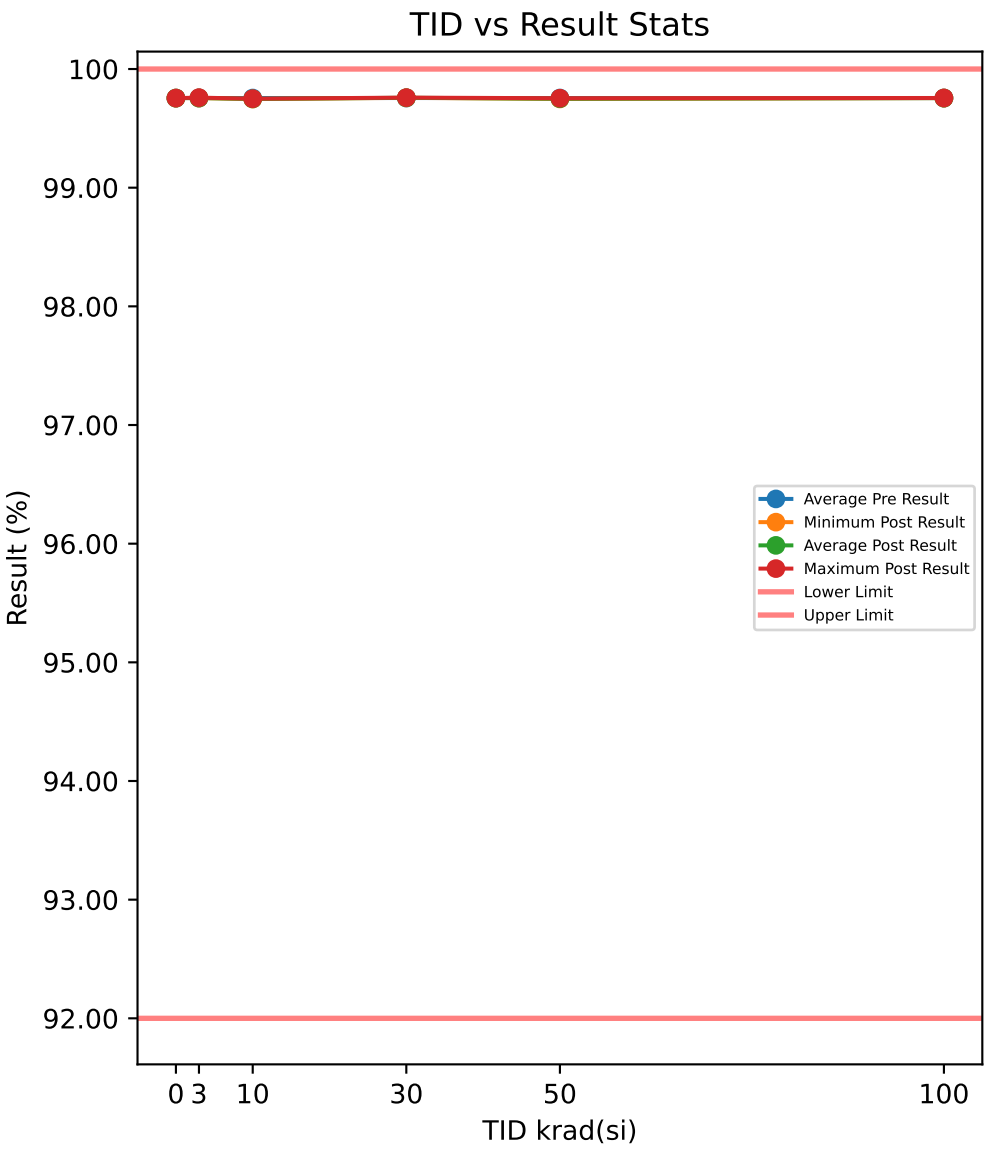
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.765 | 99.765 | 0 |
| 7 | 0 | Correlation | 99.766 | 99.766 | 0 |
| 16 | 3 | LDR-Biased | 99.764 | 99.769 | 0.005 |
| 18 | 3 | LDR-Biased | 99.764 | 99.767 | 0.003 |
| 19 | 3 | LDR-Biased | 99.762 | 99.766 | 0.004 |
| 20 | 3 | LDR-Biased | 99.763 | 99.767 | 0.004 |
| 21 | 3 | LDR-Biased | 99.764 | 99.766 | 0.002 |
| 22 | 3 | LDR-Unbiased | 99.762 | 99.767 | 0.005 |
| 23 | 3 | LDR-Unbiased | 99.765 | 99.765 | 0 |
| 25 | 3 | LDR-Unbiased | 99.763 | 99.763 | 0 |
| 26 | 3 | LDR-Unbiased | 99.762 | 99.765 | 0.003 |
| 27 | 3 | LDR-Unbiased | 99.762 | 99.765 | 0.003 |
| 46 | 10 | LDR-Biased | 99.764 | 99.76 | -0.004 |
| 48 | 10 | LDR-Biased | 99.764 | 99.758 | -0.006 |
| 49 | 10 | LDR-Biased | 99.762 | 99.758 | -0.004 |
| 50 | 10 | LDR-Biased | 99.763 | 99.759 | -0.004 |
| 51 | 10 | LDR-Biased | 99.764 | 99.758 | -0.006 |
| 52 | 10 | LDR-Unbiased | 99.762 | 99.76 | -0.002 |
| 53 | 10 | LDR-Unbiased | 99.765 | 99.758 | -0.007 |
| 55 | 10 | LDR-Unbiased | 99.763 | 99.756 | -0.007 |
| 56 | 10 | LDR-Unbiased | 99.762 | 99.757 | -0.005 |
| 57 | 10 | LDR-Unbiased | 99.762 | 99.757 | -0.005 |
| 76 | 30 | LDR-Biased | 99.764 | 99.769 | 0.005 |
| 78 | 30 | LDR-Biased | 99.764 | 99.766 | 0.002 |
| 79 | 30 | LDR-Biased | 99.762 | 99.766 | 0.004 |
| 80 | 30 | LDR-Biased | 99.763 | 99.768 | 0.005 |
| 81 | 30 | LDR-Biased | 99.764 | 99.768 | 0.004 |
| 82 | 30 | LDR-Unbiased | 99.762 | 99.769 | 0.007 |
| 83 | 30 | LDR-Unbiased | 99.765 | 99.766 | 0.001 |
| 84 | 30 | LDR-Unbiased | 99.762 | 99.767 | 0.005 |
| 85 | 30 | LDR-Unbiased | 99.763 | 99.764 | 0.001 |
| 86 | 30 | LDR-Unbiased | 99.762 | 99.767 | 0.005 |
| 87 | 100 | LDR-Biased | 99.764 | 99.763 | -0.001 |
| 88 | 100 | LDR-Biased | 99.763 | 99.762 | -0.001 |
| 90 | 100 | LDR-Biased | 99.763 | 99.762 | -0.001 |
| 91 | 100 | LDR-Unbiased | 99.763 | 99.763 | 0 |
| 93 | 100 | LDR-Unbiased | 99.763 | 99.761 | -0.002 |
| 94 | 100 | LDR-Unbiased | 99.763 | 99.764 | 0.001 |
| 95 | 100 | LDR-Unbiased | 99.763 | 99.763 | 0 |
| 96 | 100 | LDR-Unbiased | 99.762 | 99.763 | 0.001 |
| 106 | 50 | LDR-Biased | 99.764 | 99.762 | -0.002 |
| 108 | 50 | LDR-Biased | 99.764 | 99.758 | -0.006 |
| 109 | 50 | LDR-Biased | 99.762 | 99.757 | -0.005 |
| 110 | 50 | LDR-Biased | 99.763 | 99.759 | -0.004 |
| 111 | 50 | LDR-Biased | 99.764 | 99.758 | -0.006 |
| 112 | 50 | LDR-Unbiased | 99.762 | 99.758 | -0.004 |
| 113 | 50 | LDR-Unbiased | 99.765 | 99.757 | -0.008 |
| 115 | 50 | LDR-Unbiased | 99.763 | 99.754 | -0.009 |
| 116 | 50 | LDR-Unbiased | 99.762 | 99.756 | -0.006 |
| 117 | 50 | LDR-Unbiased | 99.762 | 99.757 | -0.005 |

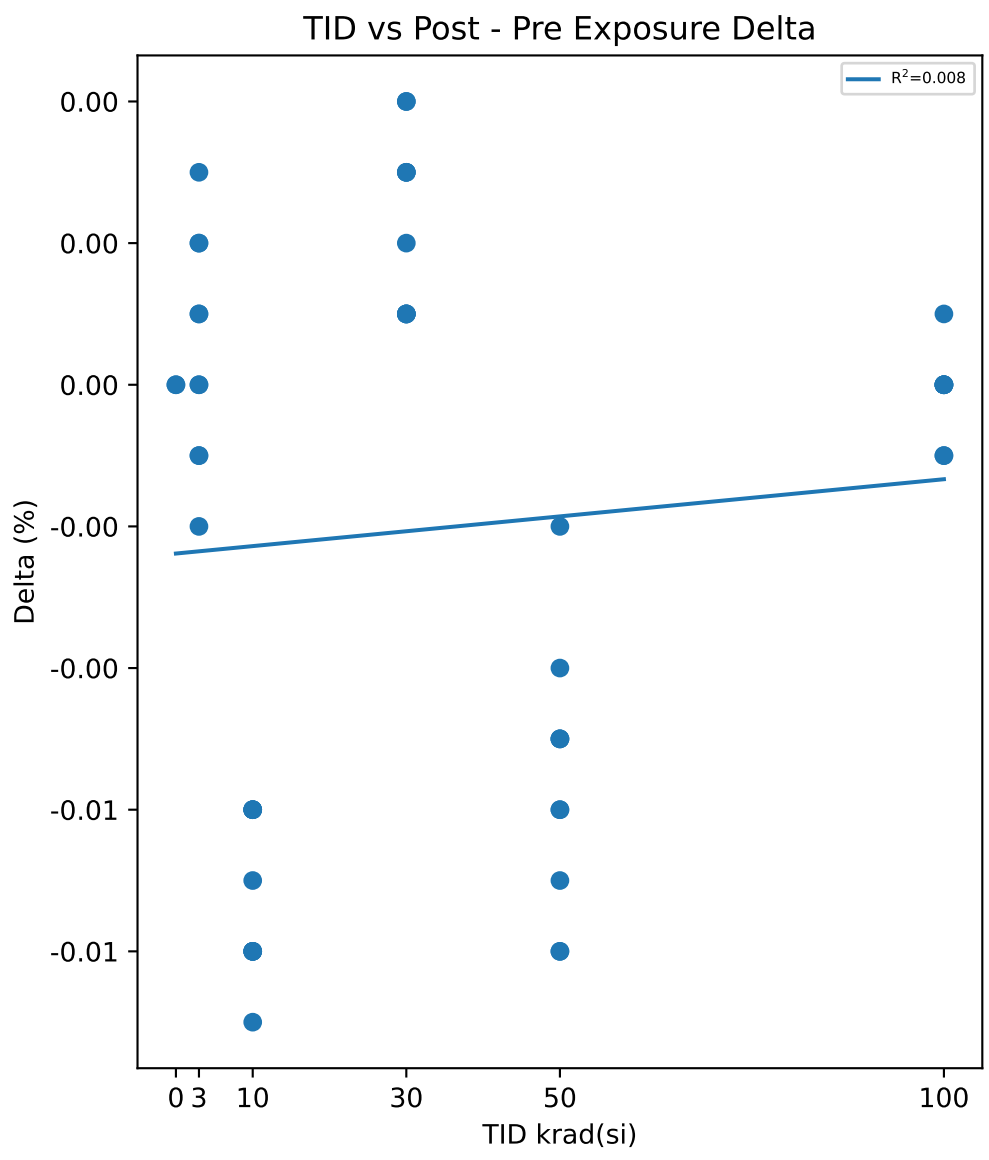



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.765 | 99.766 | 99.766 | 0.00070711 | 99.765 | 99.766 | 99.766 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 99.762 | 99.763 | 99.765 | 0.0011005 | 99.763 | 99.766 | 99.769 | 0.001633 | 0 | 0.0029 | 0.005 | 0.001792 |
| 10 | 99.762 | 99.763 | 99.765 | 0.0011005 | 99.756 | 99.758 | 99.76 | 0.0012867 | -0.007 | -0.005 | -0.002 | 0.0015635 |
| 30 | 99.762 | 99.763 | 99.765 | 0.0011005 | 99.764 | 99.767 | 99.769 | 0.0015635 | 0.001 | 0.0039 | 0.007 | 0.0019692 |
| 50 | 99.762 | 99.763 | 99.765 | 0.0011005 | 99.754 | 99.758 | 99.762 | 0.0020656 | -0.009 | -0.0055 | -0.002 | 0.0020138 |
| 100 | 99.762 | 99.763 | 99.764 | 0.00053452 | 99.761 | 99.763 | 99.764 | 0.00091613 | -0.002 | -0.000375 | 0.001 | 0.0010607 |

# Device Test: 6.45 VOH_2mA_PWRGD/PWRGD/7/3/0/0/2/@VOH_PWRGD_2MA



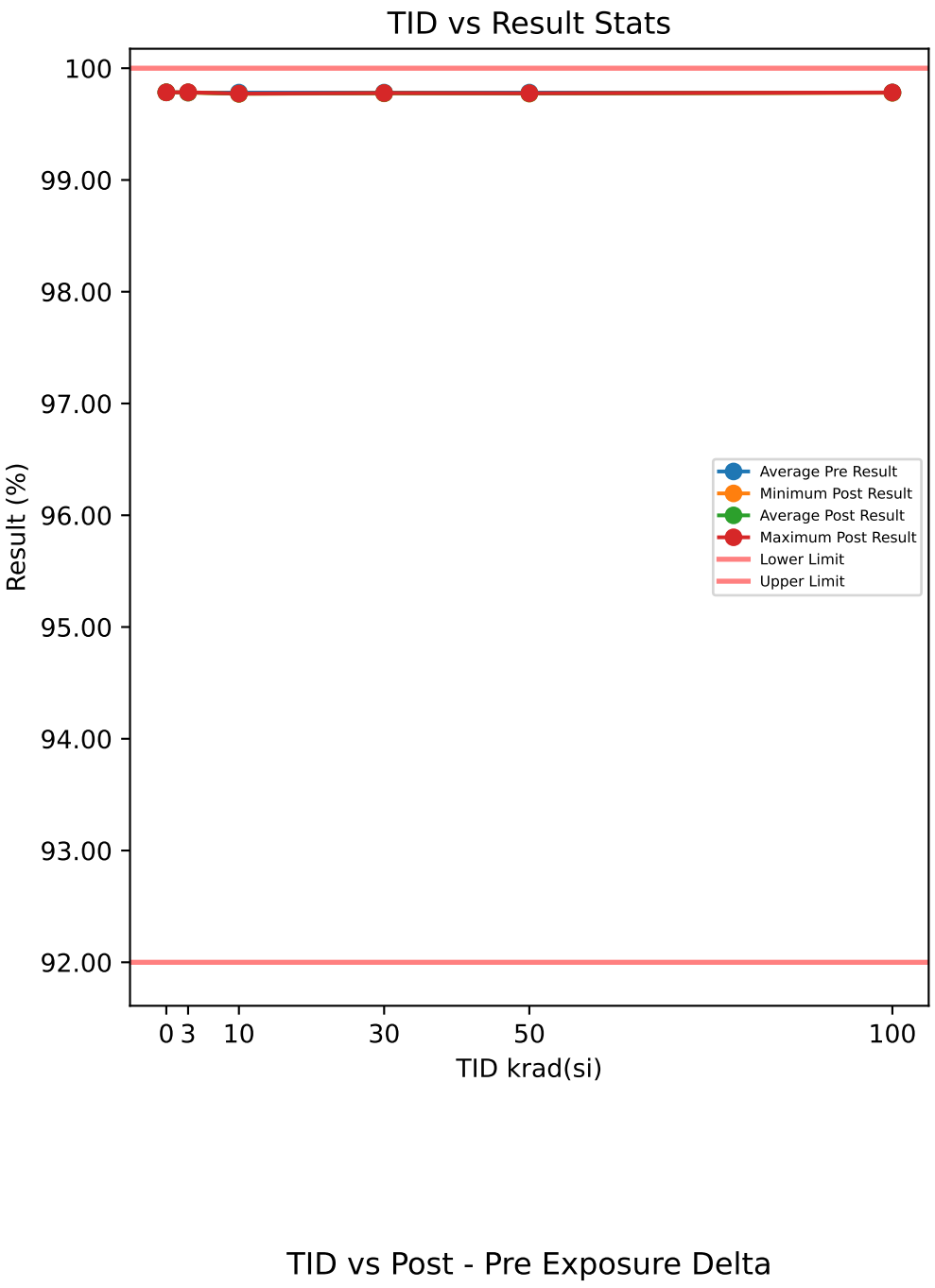

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.755 | 99.755 | 0 |
| 7 | 0 | Correlation | 99.755 | 99.755 | 0 |
| 16 | 3 | LDR-Biased | 99.756 | 99.759 | 0.003 |
| 18 | 3 | LDR-Biased | 99.756 | 99.757 | 0.001 |
| 19 | 3 | LDR-Biased | 99.755 | 99.755 | 0 |
| 20 | 3 | LDR-Biased | 99.755 | 99.757 | 0.002 |
| 21 | 3 | LDR-Biased | 99.756 | 99.755 | -0.001 |
| 22 | 3 | LDR-Unbiased | 99.755 | 99.756 | 0.001 |
| 23 | 3 | LDR-Unbiased | 99.757 | 99.755 | -0.002 |
| 25 | 3 | LDR-Unbiased | 99.756 | 99.755 | -0.001 |
| 26 | 3 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 27 | 3 | LDR-Unbiased | 99.754 | 99.756 | 0.002 |
| 46 | 10 | LDR-Biased | 99.756 | 99.75 | -0.006 |
| 48 | 10 | LDR-Biased | 99.756 | 99.748 | -0.008 |
| 49 | 10 | LDR-Biased | 99.755 | 99.747 | -0.008 |
| 50 | 10 | LDR-Biased | 99.755 | 99.749 | -0.006 |
| 51 | 10 | LDR-Biased | 99.756 | 99.748 | -0.008 |
| 52 | 10 | LDR-Unbiased | 99.755 | 99.749 | -0.006 |
| 53 | 10 | LDR-Unbiased | 99.757 | 99.748 | -0.009 |
| 55 | 10 | LDR-Unbiased | 99.756 | 99.748 | -0.008 |
| 56 | 10 | LDR-Unbiased | 99.755 | 99.748 | -0.007 |
| 57 | 10 | LDR-Unbiased | 99.754 | 99.748 | -0.006 |
| 76 | 30 | LDR-Biased | 99.756 | 99.759 | 0.003 |
| 78 | 30 | LDR-Biased | 99.756 | 99.757 | 0.001 |
| 79 | 30 | LDR-Biased | 99.755 | 99.757 | 0.002 |
| 80 | 30 | LDR-Biased | 99.755 | 99.758 | 0.003 |
| 81 | 30 | LDR-Biased | 99.756 | 99.757 | 0.001 |
| 82 | 30 | LDR-Unbiased | 99.755 | 99.759 | 0.004 |
| 83 | 30 | LDR-Unbiased | 99.757 | 99.758 | 0.001 |
| 84 | 30 | LDR-Unbiased | 99.754 | 99.758 | 0.004 |
| 85 | 30 | LDR-Unbiased | 99.756 | 99.757 | 0.001 |
| 86 | 30 | LDR-Unbiased | 99.755 | 99.758 | 0.003 |
| 87 | 100 | LDR-Biased | 99.755 | 99.755 | 0 |
| 88 | 100 | LDR-Biased | 99.755 | 99.755 | 0 |
| 90 | 100 | LDR-Biased | 99.756 | 99.755 | -0.001 |
| 91 | 100 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 93 | 100 | LDR-Unbiased | 99.756 | 99.755 | -0.001 |
| 94 | 100 | LDR-Unbiased | 99.756 | 99.756 | 0 |
| 95 | 100 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 96 | 100 | LDR-Unbiased | 99.754 | 99.755 | 0.001 |
| 106 | 50 | LDR-Biased | 99.756 | 99.754 | -0.002 |
| 108 | 50 | LDR-Biased | 99.756 | 99.751 | -0.005 |
| 109 | 50 | LDR-Biased | 99.755 | 99.749 | -0.006 |
| 110 | 50 | LDR-Biased | 99.755 | 99.751 | -0.004 |
| 111 | 50 | LDR-Biased | 99.756 | 99.749 | -0.007 |
| 112 | 50 | LDR-Unbiased | 99.755 | 99.75 | -0.005 |
| 113 | 50 | LDR-Unbiased | 99.757 | 99.749 | -0.008 |
| 115 | 50 | LDR-Unbiased | 99.756 | 99.748 | -0.008 |
| 116 | 50 | LDR-Unbiased | 99.755 | 99.749 | -0.006 |
| 117 | 50 | LDR-Unbiased | 99.754 | 99.749 | -0.005 |

Test Statistics (%)

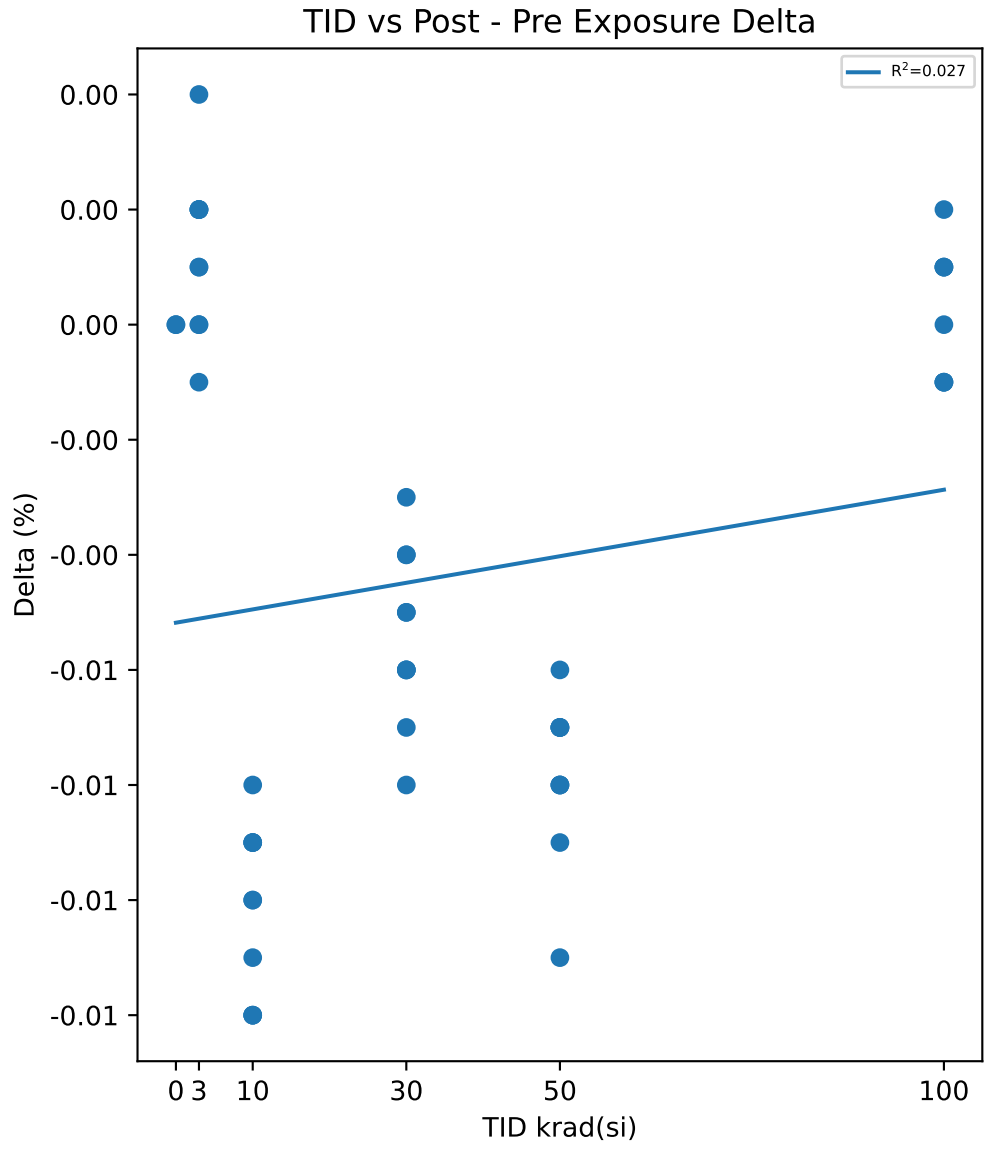
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.755 | 99.755 | 99.755 | 0 | 99.755 | 99.755 | 99.755 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.754 | 99.755 | 99.757 | 0.00084984 | 99.755 | 99.756 | 99.759 | 0.0013333 | -0.002 | 0.0005 | 0.003 | 0.0015811 |
| 10 | 99.754 | 99.755 | 99.757 | 0.00084984 | 99.747 | 99.748 | 99.75 | 0.00082327 | -0.009 | -0.0072 | -0.006 | 0.0011353 |
| 30 | 99.754 | 99.755 | 99.757 | 0.00084984 | 99.757 | 99.758 | 99.759 | 0.00078881 | 0.001 | 0.0023 | 0.004 | 0.0012517 |
| 50 | 99.754 | 99.755 | 99.757 | 0.00084984 | 99.748 | 99.75 | 99.754 | 0.0017288 | -0.008 | -0.0056 | -0.002 | 0.0018379 |
| 100 | 99.754 | 99.755 | 99.756 | 0.00070711 | 99.755 | 99.755 | 99.756 | 0.00035355 | -0.001 | -0.000125 | 0.001 | 0.00064087 |

# Device Test: 6.46 VOH_2mA_EN1/EN1/7/14/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

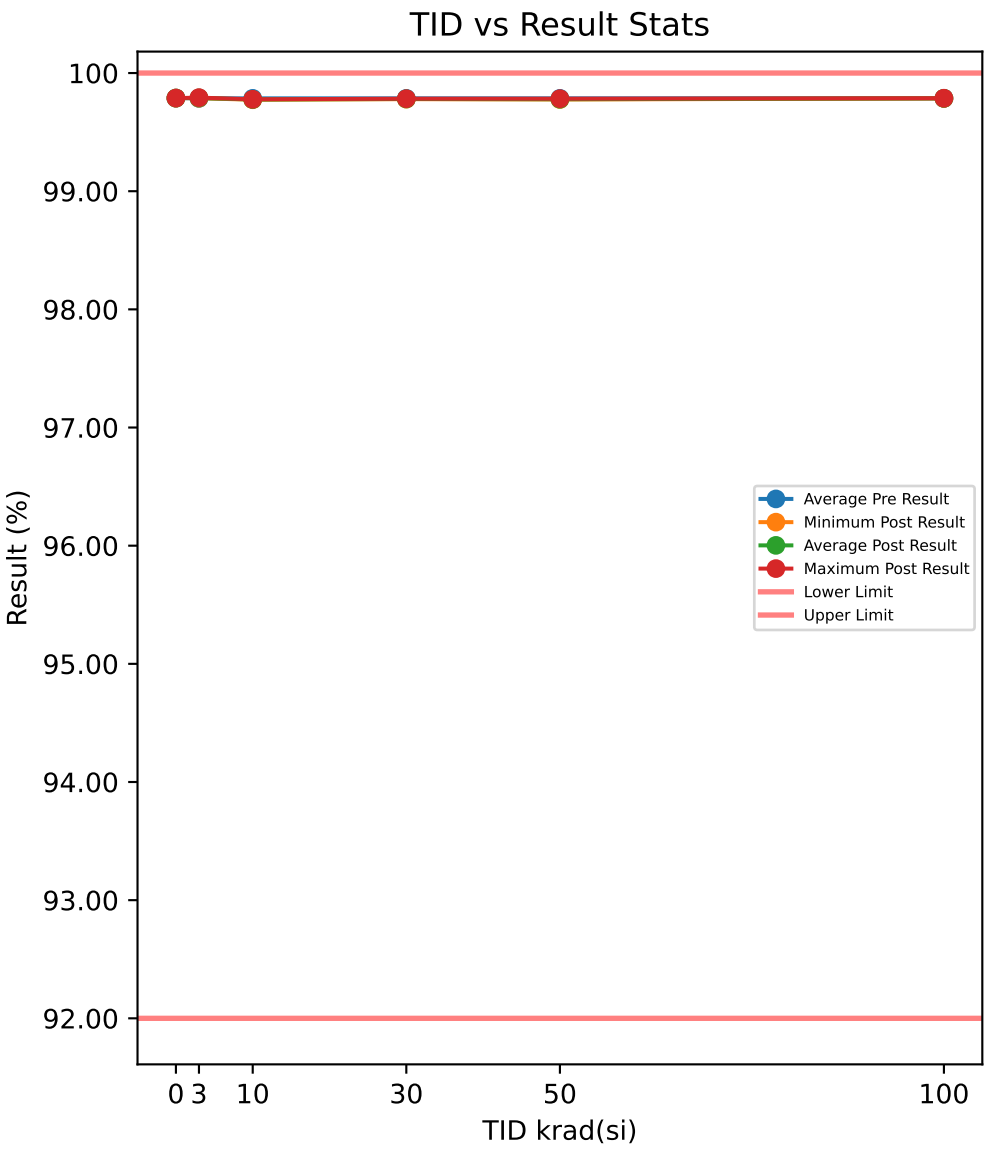
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.784 | 99.784 | 0 |
| 7 | 0 | Correlation | 99.784 | 99.784 | 0 |
| 16 | 3 | LDR-Biased | 99.783 | 99.783 | 0 |
| 18 | 3 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 19 | 3 | LDR-Biased | 99.781 | 99.783 | 0.002 |
| 20 | 3 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 21 | 3 | LDR-Biased | 99.784 | 99.783 | -0.001 |
| 22 | 3 | LDR-Unbiased | 99.781 | 99.785 | 0.004 |
| 23 | 3 | LDR-Unbiased | 99.783 | 99.783 | 0 |
| 25 | 3 | LDR-Unbiased | 99.781 | 99.783 | 0.002 |
| 26 | 3 | LDR-Unbiased | 99.78 | 99.782 | 0.002 |
| 27 | 3 | LDR-Unbiased | 99.781 | 99.783 | 0.002 |
| 46 | 10 | LDR-Biased | 99.783 | 99.771 | -0.012 |
| 48 | 10 | LDR-Biased | 99.782 | 99.771 | -0.011 |
| 49 | 10 | LDR-Biased | 99.781 | 99.772 | -0.009 |
| 50 | 10 | LDR-Biased | 99.782 | 99.772 | -0.01 |
| 51 | 10 | LDR-Biased | 99.784 | 99.772 | -0.012 |
| 52 | 10 | LDR-Unbiased | 99.781 | 99.773 | -0.008 |
| 53 | 10 | LDR-Unbiased | 99.783 | 99.771 | -0.012 |
| 55 | 10 | LDR-Unbiased | 99.781 | 99.771 | -0.01 |
| 56 | 10 | LDR-Unbiased | 99.78 | 99.771 | -0.009 |
| 57 | 10 | LDR-Unbiased | 99.781 | 99.772 | -0.009 |
| 76 | 30 | LDR-Biased | 99.783 | 99.775 | -0.008 |
| 78 | 30 | LDR-Biased | 99.782 | 99.776 | -0.006 |
| 79 | 30 | LDR-Biased | 99.781 | 99.776 | -0.005 |
| 80 | 30 | LDR-Biased | 99.782 | 99.776 | -0.006 |
| 81 | 30 | LDR-Biased | 99.784 | 99.777 | -0.007 |
| 82 | 30 | LDR-Unbiased | 99.781 | 99.778 | -0.003 |
| 83 | 30 | LDR-Unbiased | 99.783 | 99.777 | -0.006 |
| 84 | 30 | LDR-Unbiased | 99.781 | 99.776 | -0.005 |
| 85 | 30 | LDR-Unbiased | 99.781 | 99.777 | -0.004 |
| 86 | 30 | LDR-Unbiased | 99.78 | 99.776 | -0.004 |
| 87 | 100 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 88 | 100 | LDR-Biased | 99.782 | 99.783 | 0.001 |
| 90 | 100 | LDR-Biased | 99.781 | 99.782 | 0.001 |
| 91 | 100 | LDR-Unbiased | 99.782 | 99.782 | 0 |
| 93 | 100 | LDR-Unbiased | 99.783 | 99.782 | -0.001 |
| 94 | 100 | LDR-Unbiased | 99.783 | 99.782 | -0.001 |
| 95 | 100 | LDR-Unbiased | 99.78 | 99.782 | 0.002 |
| 96 | 100 | LDR-Unbiased | 99.781 | 99.78 | -0.001 |
| 106 | 50 | LDR-Biased | 99.783 | 99.776 | -0.007 |
| 108 | 50 | LDR-Biased | 99.782 | 99.774 | -0.008 |
| 109 | 50 | LDR-Biased | 99.781 | 99.774 | -0.007 |
| 110 | 50 | LDR-Biased | 99.782 | 99.774 | -0.008 |
| 111 | 50 | LDR-Biased | 99.784 | 99.773 | -0.011 |
| 112 | 50 | LDR-Unbiased | 99.781 | 99.775 | -0.006 |
| 113 | 50 | LDR-Unbiased | 99.783 | 99.774 | -0.009 |
| 115 | 50 | LDR-Unbiased | 99.781 | 99.774 | -0.007 |
| 116 | 50 | LDR-Unbiased | 99.78 | 99.773 | -0.007 |
| 117 | 50 | LDR-Unbiased | 99.781 | 99.773 | -0.008 |




Test Statistics (%)

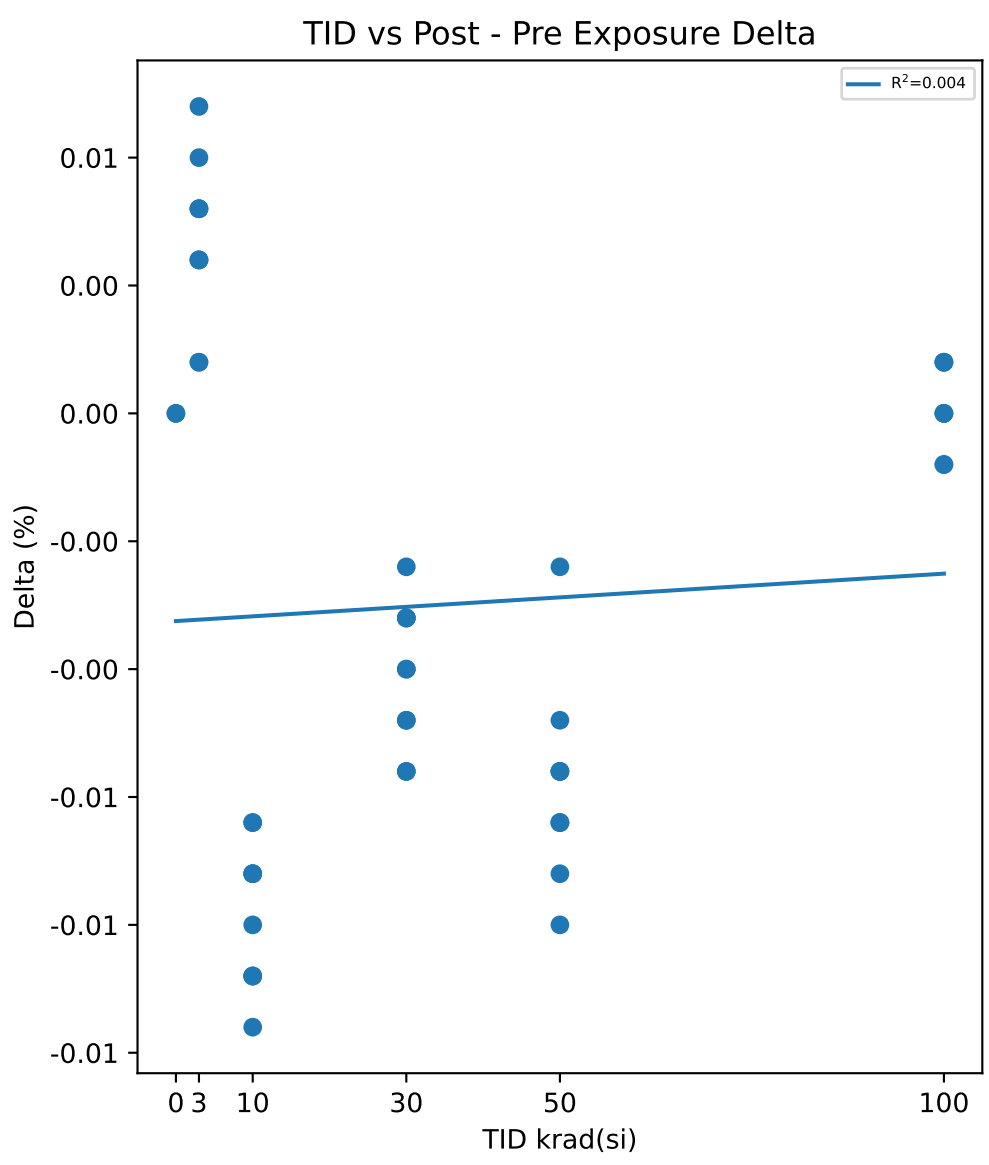
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.784 | 99.784 | 99.784 | 0 | 99.784 | 99.784 | 99.784 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.78 | 99.782 | 99.784 | 0.0012293 | 99.782 | 99.783 | 99.785 | 0.00073786 | -0.001 | 0.0013 | 0.004 | 0.0014181 |
| 10 | 99.78 | 99.782 | 99.784 | 0.0012293 | 99.771 | 99.772 | 99.773 | 0.00069921 | -0.012 | -0.0102 | -0.008 | 0.0014757 |
| 30 | 99.78 | 99.782 | 99.784 | 0.0012293 | 99.775 | 99.776 | 99.778 | 0.00084327 | -0.008 | -0.0054 | -0.003 | 0.0015055 |
| 50 | 99.78 | 99.782 | 99.784 | 0.0012293 | 99.773 | 99.774 | 99.776 | 0.00094281 | -0.011 | -0.0078 | -0.006 | 0.0013984 |
| 100 | 99.78 | 99.782 | 99.783 | 0.0010351 | 99.78 | 99.782 | 99.783 | 0.00092582 | -0.001 | 0.00025 | 0.002 | 0.001165 |

# Device Test: 6.47 VOH_2mA_EN2/EN2/7/14/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

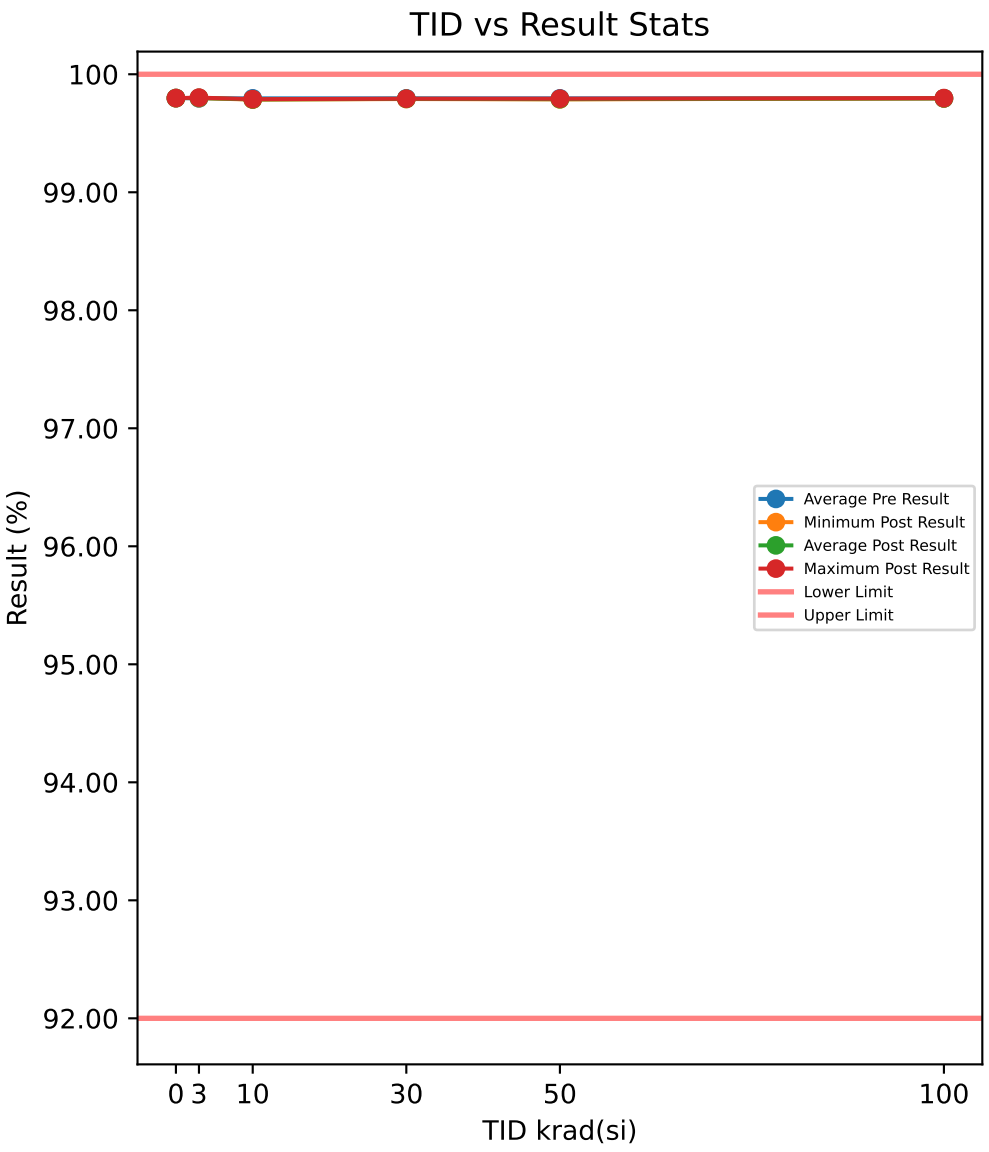
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.788 | 99.788 | 0 |
| 7 | 0 | Correlation | 99.788 | 99.788 | 0 |
| 16 | 3 | LDR-Biased | 99.786 | 99.792 | 0.006 |
| 18 | 3 | LDR-Biased | 99.787 | 99.79 | 0.003 |
| 19 | 3 | LDR-Biased | 99.785 | 99.789 | 0.004 |
| 20 | 3 | LDR-Biased | 99.786 | 99.791 | 0.005 |
| 21 | 3 | LDR-Biased | 99.787 | 99.788 | 0.001 |
| 22 | 3 | LDR-Unbiased | 99.785 | 99.789 | 0.004 |
| 23 | 3 | LDR-Unbiased | 99.788 | 99.789 | 0.001 |
| 25 | 3 | LDR-Unbiased | 99.785 | 99.788 | 0.003 |
| 26 | 3 | LDR-Unbiased | 99.784 | 99.787 | 0.003 |
| 27 | 3 | LDR-Unbiased | 99.785 | 99.789 | 0.004 |
| 46 | 10 | LDR-Biased | 99.786 | 99.778 | -0.008 |
| 48 | 10 | LDR-Biased | 99.787 | 99.776 | -0.011 |
| 49 | 10 | LDR-Biased | 99.785 | 99.776 | -0.009 |
| 50 | 10 | LDR-Biased | 99.786 | 99.778 | -0.008 |
| 51 | 10 | LDR-Biased | 99.787 | 99.776 | -0.011 |
| 52 | 10 | LDR-Unbiased | 99.785 | 99.776 | -0.009 |
| 53 | 10 | LDR-Unbiased | 99.788 | 99.776 | -0.012 |
| 55 | 10 | LDR-Unbiased | 99.785 | 99.774 | -0.011 |
| 56 | 10 | LDR-Unbiased | 99.784 | 99.774 | -0.01 |
| 57 | 10 | LDR-Unbiased | 99.785 | 99.776 | -0.009 |
| 76 | 30 | LDR-Biased | 99.786 | 99.783 | -0.003 |
| 78 | 30 | LDR-Biased | 99.787 | 99.78 | -0.007 |
| 79 | 30 | LDR-Biased | 99.785 | 99.78 | -0.005 |
| 80 | 30 | LDR-Biased | 99.786 | 99.782 | -0.004 |
| 81 | 30 | LDR-Biased | 99.787 | 99.781 | -0.006 |
| 82 | 30 | LDR-Unbiased | 99.785 | 99.781 | -0.004 |
| 83 | 30 | LDR-Unbiased | 99.788 | 99.781 | -0.007 |
| 84 | 30 | LDR-Unbiased | 99.785 | 99.781 | -0.004 |
| 85 | 30 | LDR-Unbiased | 99.785 | 99.779 | -0.006 |
| 86 | 30 | LDR-Unbiased | 99.784 | 99.779 | -0.005 |
| 87 | 100 | LDR-Biased | 99.787 | 99.787 | 0 |
| 88 | 100 | LDR-Biased | 99.786 | 99.786 | 0 |
| 90 | 100 | LDR-Biased | 99.787 | 99.786 | -0.001 |
| 91 | 100 | LDR-Unbiased | 99.785 | 99.786 | 0.001 |
| 93 | 100 | LDR-Unbiased | 99.787 | 99.786 | -0.001 |
| 94 | 100 | LDR-Unbiased | 99.786 | 99.787 | 0.001 |
| 95 | 100 | LDR-Unbiased | 99.785 | 99.786 | 0.001 |
| 96 | 100 | LDR-Unbiased | 99.785 | 99.785 | 0 |
| 106 | 50 | LDR-Biased | 99.786 | 99.783 | -0.003 |
| 108 | 50 | LDR-Biased | 99.787 | 99.779 | -0.008 |
| 109 | 50 | LDR-Biased | 99.785 | 99.778 | -0.007 |
| 110 | 50 | LDR-Biased | 99.786 | 99.78 | -0.006 |
| 111 | 50 | LDR-Biased | 99.787 | 99.778 | -0.009 |
| 112 | 50 | LDR-Unbiased | 99.785 | 99.778 | -0.007 |
| 113 | 50 | LDR-Unbiased | 99.788 | 99.778 | -0.01 |
| 115 | 50 | LDR-Unbiased | 99.785 | 99.777 | -0.008 |
| 116 | 50 | LDR-Unbiased | 99.784 | 99.776 | -0.008 |
| 117 | 50 | LDR-Unbiased | 99.785 | 99.778 | -0.007 |




Test Statistics (%)

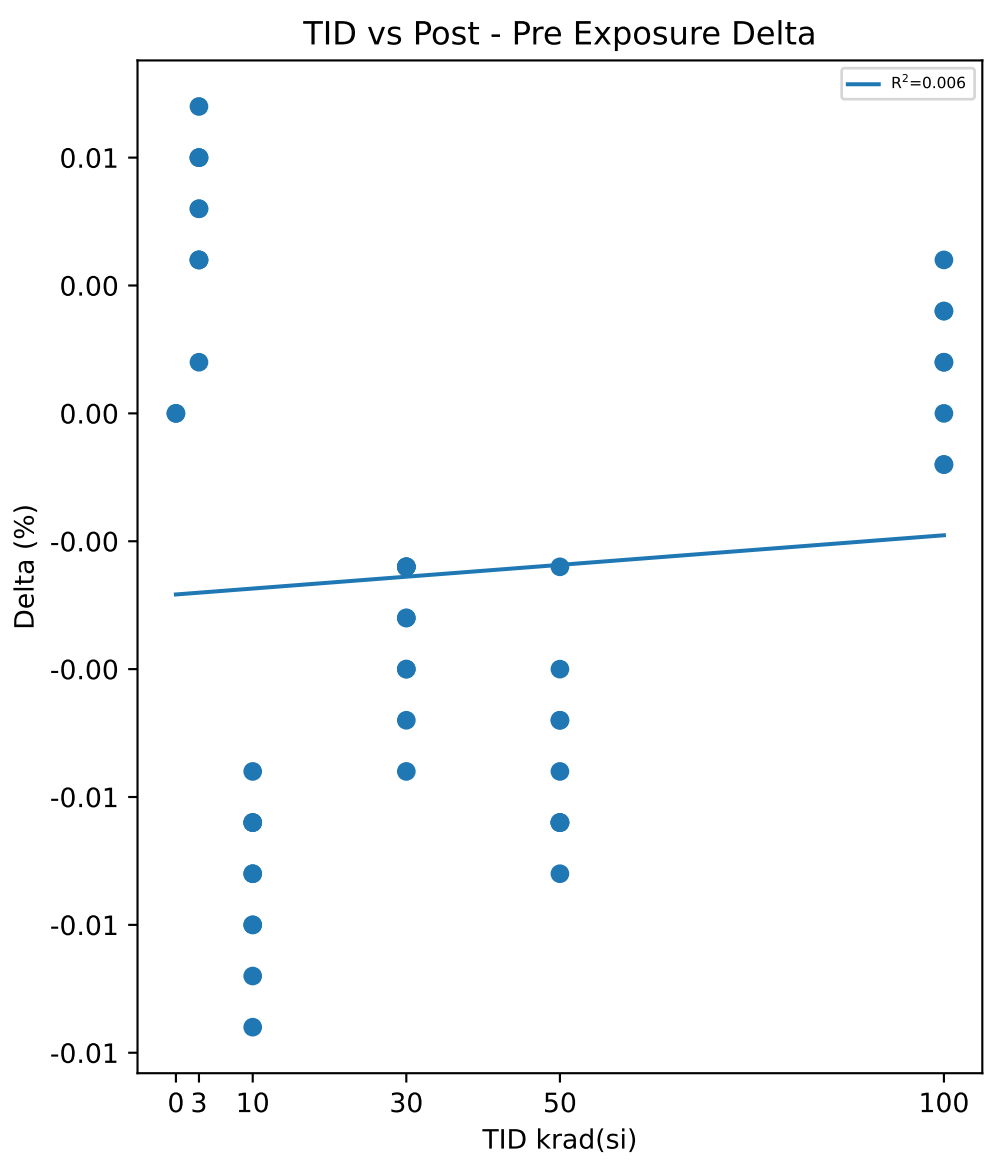
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.788 | 99.788 | 99.788 | 0 | 99.788 | 99.788 | 99.788 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.784 | 99.786 | 99.788 | 0.0012293 | 99.787 | 99.789 | 99.792 | 0.0014757 | 0.001 | 0.0034 | 0.006 | 0.0015776 |
| 10 | 99.784 | 99.786 | 99.788 | 0.0012293 | 99.774 | 99.776 | 99.778 | 0.0013333 | -0.012 | -0.0098 | -0.008 | 0.0013984 |
| 30 | 99.784 | 99.786 | 99.788 | 0.0012293 | 99.779 | 99.781 | 99.783 | 0.0012517 | -0.007 | -0.0051 | -0.003 | 0.0013703 |
| 50 | 99.784 | 99.786 | 99.788 | 0.0012293 | 99.776 | 99.779 | 99.783 | 0.0019003 | -0.01 | -0.0073 | -0.003 | 0.0018886 |
| 100 | 99.785 | 99.786 | 99.787 | 0.00092582 | 99.785 | 99.786 | 99.787 | 0.00064087 | -0.001 | 0.000125 | 0.001 | 0.00083452 |

# Device Test: 6.48 VOH_2mA_EN3/EN3/7/14/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

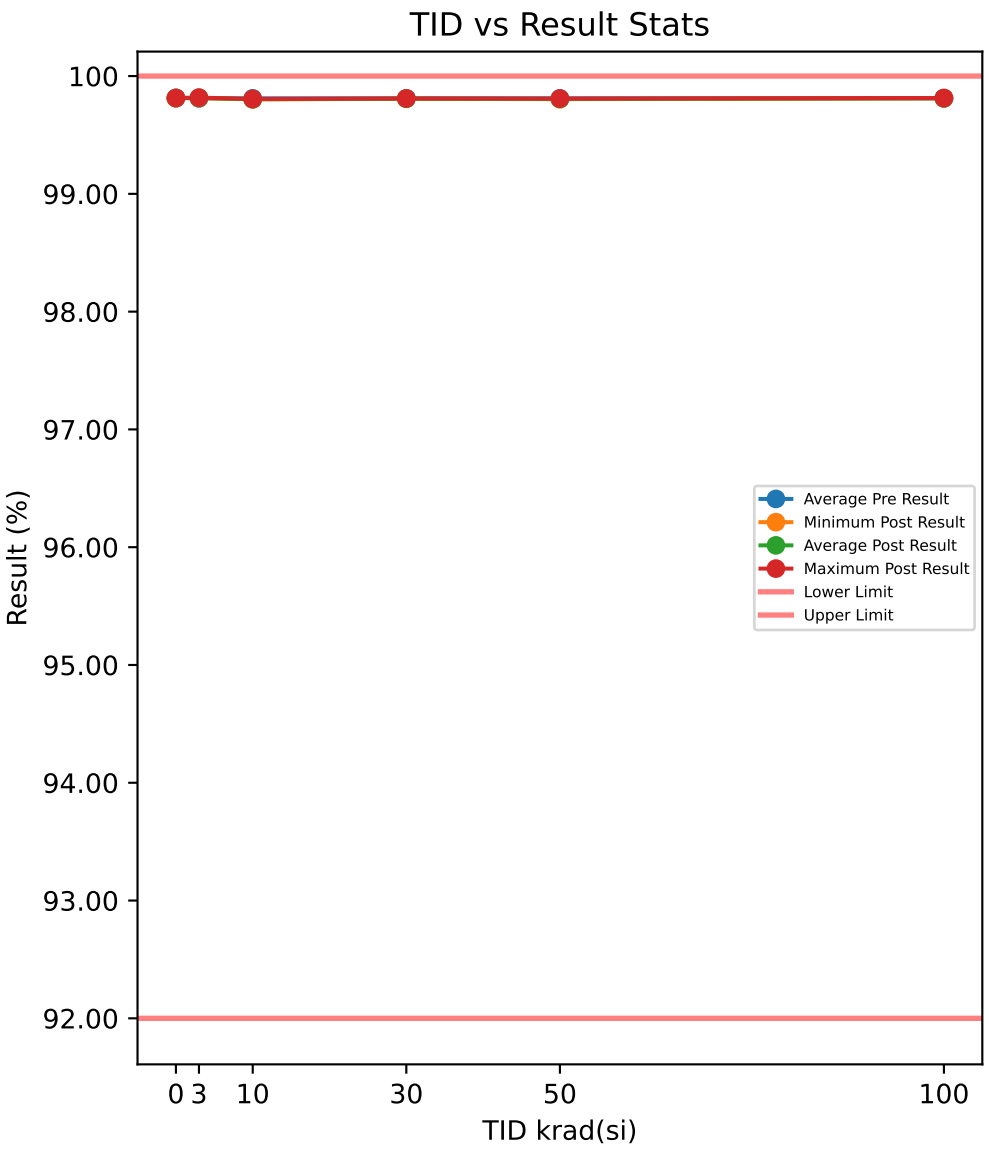
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.798 | 99.798 | 0 |
| 7 | 0 | Correlation | 99.798 | 99.798 | 0 |
| 16 | 3 | LDR-Biased | 99.796 | 99.802 | 0.006 |
| 18 | 3 | LDR-Biased | 99.797 | 99.8 | 0.003 |
| 19 | 3 | LDR-Biased | 99.795 | 99.799 | 0.004 |
| 20 | 3 | LDR-Biased | 99.796 | 99.801 | 0.005 |
| 21 | 3 | LDR-Biased | 99.796 | 99.799 | 0.003 |
| 22 | 3 | LDR-Unbiased | 99.795 | 99.8 | 0.005 |
| 23 | 3 | LDR-Unbiased | 99.798 | 99.799 | 0.001 |
| 25 | 3 | LDR-Unbiased | 99.795 | 99.798 | 0.003 |
| 26 | 3 | LDR-Unbiased | 99.795 | 99.799 | 0.004 |
| 27 | 3 | LDR-Unbiased | 99.795 | 99.8 | 0.005 |
| 46 | 10 | LDR-Biased | 99.796 | 99.788 | -0.008 |
| 48 | 10 | LDR-Biased | 99.797 | 99.786 | -0.011 |
| 49 | 10 | LDR-Biased | 99.795 | 99.786 | -0.009 |
| 50 | 10 | LDR-Biased | 99.796 | 99.789 | -0.007 |
| 51 | 10 | LDR-Biased | 99.796 | 99.786 | -0.01 |
| 52 | 10 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 53 | 10 | LDR-Unbiased | 99.798 | 99.786 | -0.012 |
| 55 | 10 | LDR-Unbiased | 99.795 | 99.785 | -0.01 |
| 56 | 10 | LDR-Unbiased | 99.795 | 99.786 | -0.009 |
| 57 | 10 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 76 | 30 | LDR-Biased | 99.796 | 99.793 | -0.003 |
| 78 | 30 | LDR-Biased | 99.797 | 99.791 | -0.006 |
| 79 | 30 | LDR-Biased | 99.795 | 99.79 | -0.005 |
| 80 | 30 | LDR-Biased | 99.796 | 99.793 | -0.003 |
| 81 | 30 | LDR-Biased | 99.796 | 99.792 | -0.004 |
| 82 | 30 | LDR-Unbiased | 99.795 | 99.792 | -0.003 |
| 83 | 30 | LDR-Unbiased | 99.798 | 99.791 | -0.007 |
| 84 | 30 | LDR-Unbiased | 99.795 | 99.792 | -0.003 |
| 85 | 30 | LDR-Unbiased | 99.795 | 99.79 | -0.005 |
| 86 | 30 | LDR-Unbiased | 99.795 | 99.791 | -0.004 |
| 87 | 100 | LDR-Biased | 99.797 | 99.796 | -0.001 |
| 88 | 100 | LDR-Biased | 99.795 | 99.796 | 0.001 |
| 90 | 100 | LDR-Biased | 99.796 | 99.795 | -0.001 |
| 91 | 100 | LDR-Unbiased | 99.795 | 99.796 | 0.001 |
| 93 | 100 | LDR-Unbiased | 99.796 | 99.796 | 0 |
| 94 | 100 | LDR-Unbiased | 99.795 | 99.798 | 0.003 |
| 95 | 100 | LDR-Unbiased | 99.795 | 99.797 | 0.002 |
| 96 | 100 | LDR-Unbiased | 99.795 | 99.797 | 0.002 |
| 106 | 50 | LDR-Biased | 99.796 | 99.793 | -0.003 |
| 108 | 50 | LDR-Biased | 99.797 | 99.789 | -0.008 |
| 109 | 50 | LDR-Biased | 99.795 | 99.788 | -0.007 |
| 110 | 50 | LDR-Biased | 99.796 | 99.791 | -0.005 |
| 111 | 50 | LDR-Biased | 99.796 | 99.788 | -0.008 |
| 112 | 50 | LDR-Unbiased | 99.795 | 99.789 | -0.006 |
| 113 | 50 | LDR-Unbiased | 99.798 | 99.789 | -0.009 |
| 115 | 50 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 116 | 50 | LDR-Unbiased | 99.795 | 99.787 | -0.008 |
| 117 | 50 | LDR-Unbiased | 99.795 | 99.789 | -0.006 |




Test Statistics (%)

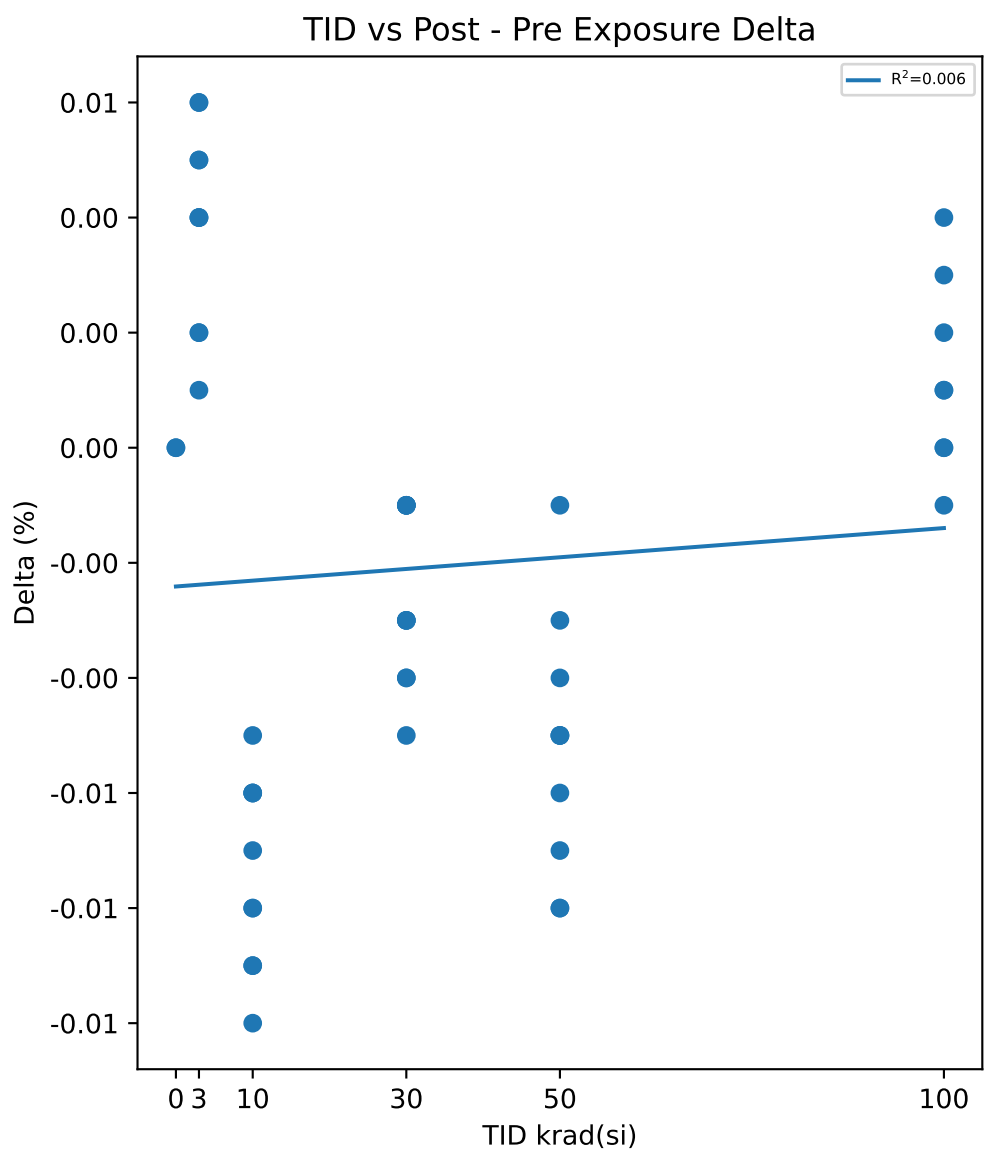
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.798 | 99.798 | 99.798 | 0 | 99.798 | 99.798 | 99.798 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.795 | 99.796 | 99.798 | 0.0010328 | 99.798 | 99.8 | 99.802 | 0.0011595 | 0.001 | 0.0039 | 0.006 | 0.0014491 |
| 10 | 99.795 | 99.796 | 99.798 | 0.0010328 | 99.785 | 99.787 | 99.789 | 0.0011738 | -0.012 | -0.0092 | -0.007 | 0.0015492 |
| 30 | 99.795 | 99.796 | 99.798 | 0.0010328 | 99.79 | 99.791 | 99.793 | 0.0010801 | -0.007 | -0.0043 | -0.003 | 0.0014181 |
| 50 | 99.795 | 99.796 | 99.798 | 0.0010328 | 99.787 | 99.789 | 99.793 | 0.0018257 | -0.009 | -0.0068 | -0.003 | 0.0018135 |
| 100 | 99.795 | 99.796 | 99.797 | 0.00075593 | 99.795 | 99.796 | 99.798 | 0.00091613 | -0.001 | 0.000875 | 0.003 | 0.0014577 |

# Device Test: 6.49 VOH_2mA_EN4/EN4/7/14/0/0/2/@VOH_EN_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.813 | 99.813 | 0 |
| 7 | 0 | Correlation | 99.814 | 99.814 | 0 |
| 16 | 3 | LDR-Biased | 99.81 | 99.816 | 0.006 |
| 18 | 3 | LDR-Biased | 99.811 | 99.815 | 0.004 |
| 19 | 3 | LDR-Biased | 99.81 | 99.814 | 0.004 |
| 20 | 3 | LDR-Biased | 99.811 | 99.817 | 0.006 |
| 21 | 3 | LDR-Biased | 99.812 | 99.814 | 0.002 |
| 22 | 3 | LDR-Unbiased | 99.81 | 99.815 | 0.005 |
| 23 | 3 | LDR-Unbiased | 99.813 | 99.814 | 0.001 |
| 25 | 3 | LDR-Unbiased | 99.81 | 99.814 | 0.004 |
| 26 | 3 | LDR-Unbiased | 99.811 | 99.813 | 0.002 |
| 27 | 3 | LDR-Unbiased | 99.81 | 99.815 | 0.005 |
| 46 | 10 | LDR-Biased | 99.81 | 99.804 | -0.006 |
| 48 | 10 | LDR-Biased | 99.811 | 99.803 | -0.008 |
| 49 | 10 | LDR-Biased | 99.81 | 99.803 | -0.007 |
| 50 | 10 | LDR-Biased | 99.811 | 99.806 | -0.005 |
| 51 | 10 | LDR-Biased | 99.812 | 99.803 | -0.009 |
| 52 | 10 | LDR-Unbiased | 99.81 | 99.804 | -0.006 |
| 53 | 10 | LDR-Unbiased | 99.813 | 99.803 | -0.01 |
| 55 | 10 | LDR-Unbiased | 99.81 | 99.802 | -0.008 |
| 56 | 10 | LDR-Unbiased | 99.811 | 99.802 | -0.009 |
| 57 | 10 | LDR-Unbiased | 99.81 | 99.804 | -0.006 |
| 76 | 30 | LDR-Biased | 99.81 | 99.809 | -0.001 |
| 78 | 30 | LDR-Biased | 99.811 | 99.808 | -0.003 |
| 79 | 30 | LDR-Biased | 99.81 | 99.807 | -0.003 |
| 80 | 30 | LDR-Biased | 99.811 | 99.81 | -0.001 |
| 81 | 30 | LDR-Biased | 99.812 | 99.808 | -0.004 |
| 82 | 30 | LDR-Unbiased | 99.81 | 99.809 | -0.001 |
| 83 | 30 | LDR-Unbiased | 99.813 | 99.808 | -0.005 |
| 84 | 30 | LDR-Unbiased | 99.81 | 99.809 | -0.001 |
| 85 | 30 | LDR-Unbiased | 99.81 | 99.807 | -0.003 |
| 86 | 30 | LDR-Unbiased | 99.811 | 99.807 | -0.004 |
| 87 | 100 | LDR-Biased | 99.812 | 99.812 | 0 |
| 88 | 100 | LDR-Biased | 99.809 | 99.811 | 0.002 |
| 90 | 100 | LDR-Biased | 99.811 | 99.811 | 0 |
| 91 | 100 | LDR-Unbiased | 99.81 | 99.811 | 0.001 |
| 93 | 100 | LDR-Unbiased | 99.812 | 99.811 | -0.001 |
| 94 | 100 | LDR-Unbiased | 99.81 | 99.814 | 0.004 |
| 95 | 100 | LDR-Unbiased | 99.811 | 99.812 | 0.001 |
| 96 | 100 | LDR-Unbiased | 99.81 | 99.813 | 0.003 |
| 106 | 50 | LDR-Biased | 99.81 | 99.809 | -0.001 |
| 108 | 50 | LDR-Biased | 99.811 | 99.806 | -0.005 |
| 109 | 50 | LDR-Biased | 99.81 | 99.805 | -0.005 |
| 110 | 50 | LDR-Biased | 99.811 | 99.808 | -0.003 |
| 111 | 50 | LDR-Biased | 99.812 | 99.804 | -0.008 |
| 112 | 50 | LDR-Unbiased | 99.81 | 99.806 | -0.004 |
| 113 | 50 | LDR-Unbiased | 99.813 | 99.805 | -0.008 |
| 115 | 50 | LDR-Unbiased | 99.81 | 99.804 | -0.006 |
| 116 | 50 | LDR-Unbiased | 99.811 | 99.804 | -0.007 |
| 117 | 50 | LDR-Unbiased | 99.81 | 99.805 | -0.005 |

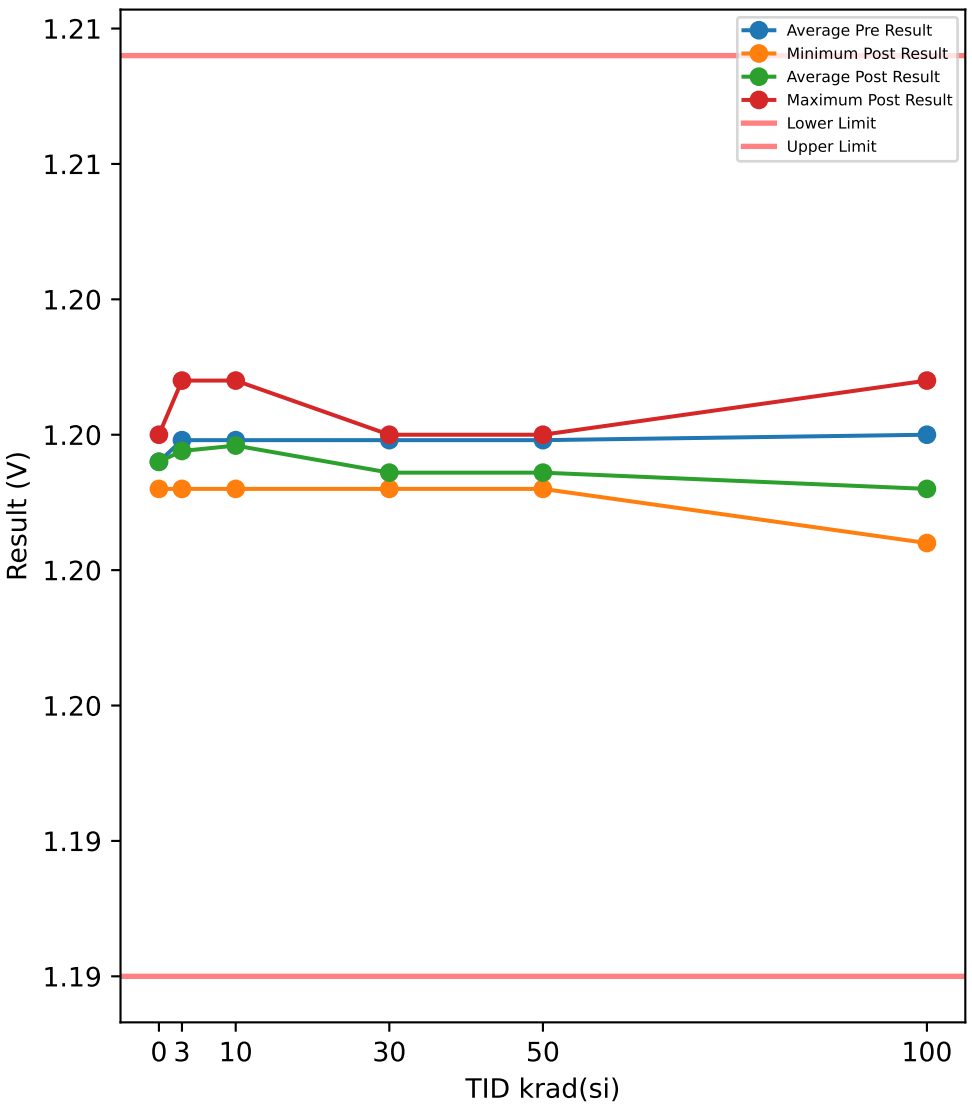



Test Statistics (%)

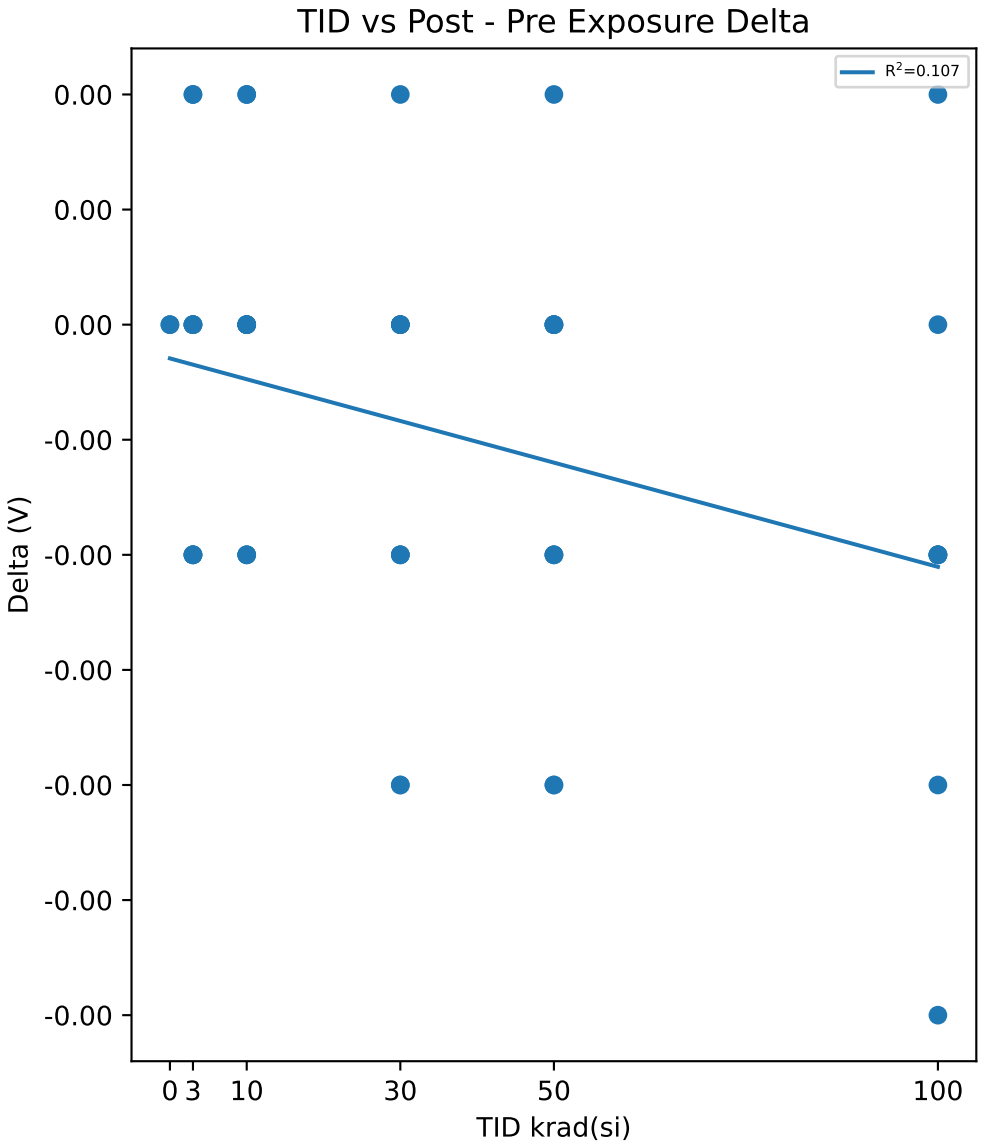
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.813 | 99.814 | 99.814 | 0.00070711 | 99.813 | 99.814 | 99.814 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 99.81 | 99.811 | 99.813 | 0.0010328 | 99.813 | 99.815 | 99.817 | 0.0011595 | 0.001 | 0.0039 | 0.006 | 0.0017288 |
| 10 | 99.81 | 99.811 | 99.813 | 0.0010328 | 99.802 | 99.803 | 99.806 | 0.0011738 | -0.01 | -0.0074 | -0.005 | 0.0016465 |
| 30 | 99.81 | 99.811 | 99.813 | 0.0010328 | 99.807 | 99.808 | 99.81 | 0.0010328 | -0.005 | -0.0026 | -0.001 | 0.0015055 |
| 50 | 99.81 | 99.811 | 99.813 | 0.0010328 | 99.804 | 99.806 | 99.809 | 0.0017127 | -0.008 | -0.0052 | -0.001 | 0.002201 |
| 100 | 99.809 | 99.811 | 99.812 | 0.0010607 | 99.811 | 99.812 | 99.814 | 0.001126 | -0.001 | 0.00125 | 0.004 | 0.001669 |

# Device Test: 6.5 REFCAP/REFCAP//14/0/0/0/@REFCAP

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



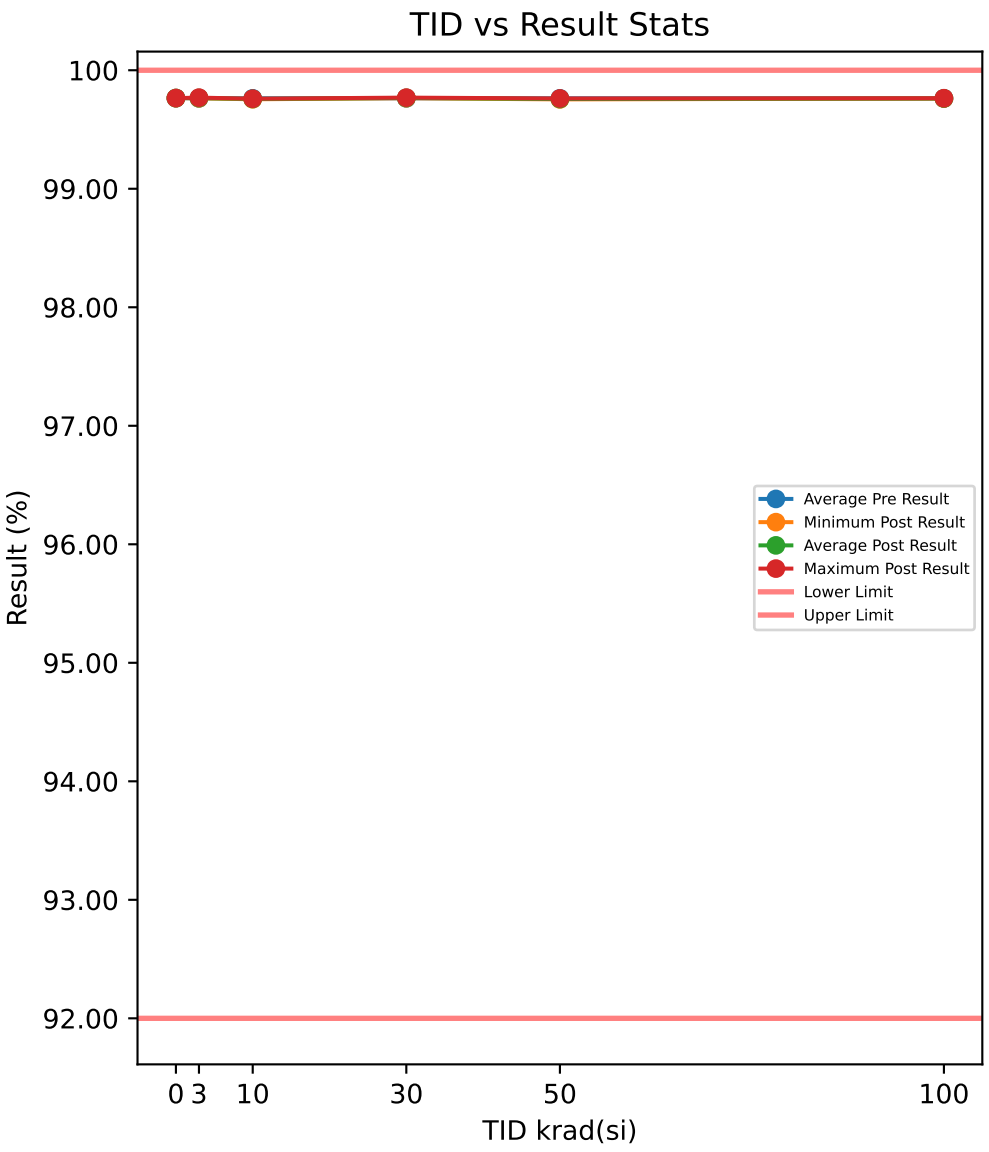

## Test Results (Lower Limit = 1.19, Upper Limit = 1.207 (V))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.199 | 1.199 | 0 |
| 7 | 0 | Correlation | 1.2 | 1.2 | 0 |
| 16 | 3 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 18 | 3 | LDR-Biased | 1.199 | 1.199 | 0 |
| 19 | 3 | LDR-Biased | 1.2 | 1.201 | 0.001 |
| 20 | 3 | LDR-Biased | 1.199 | 1.199 | 0 |
| 21 | 3 | LDR-Biased | 1.2 | 1.2 | 0 |
| 22 | 3 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 23 | 3 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 25 | 3 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 26 | 3 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 27 | 3 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 46 | 10 | LDR-Biased | 1.2 | 1.2 | 0 |
| 48 | 10 | LDR-Biased | 1.199 | 1.199 | 0 |
| 49 | 10 | LDR-Biased | 1.2 | 1.201 | 0.001 |
| 50 | 10 | LDR-Biased | 1.199 | 1.199 | 0 |
| 51 | 10 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 52 | 10 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 53 | 10 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 55 | 10 | LDR-Unbiased | 1.201 | 1.201 | 0 |
| 56 | 10 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 57 | 10 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 76 | 30 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 78 | 30 | LDR-Biased | 1.199 | 1.199 | 0 |
| 79 | 30 | LDR-Biased | 1.2 | 1.2 | 0 |
| 80 | 30 | LDR-Biased | 1.199 | 1.199 | 0 |
| 81 | 30 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 82 | 30 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 83 | 30 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 84 | 30 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 85 | 30 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 86 | 30 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 87 | 100 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 88 | 100 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 90 | 100 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 91 | 100 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 93 | 100 | LDR-Unbiased | 1.2 | 1.201 | 0.001 |
| 94 | 100 | LDR-Unbiased | 1.2 | 1.198 | -0.002 |
| 95 | 100 | LDR-Unbiased | 1.2 | 1.199 | -0.001 |
| 96 | 100 | LDR-Unbiased | 1.201 | 1.198 | -0.003 |
| 106 | 50 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 108 | 50 | LDR-Biased | 1.199 | 1.199 | 0 |
| 109 | 50 | LDR-Biased | 1.2 | 1.2 | 0 |
| 110 | 50 | LDR-Biased | 1.199 | 1.199 | 0 |
| 111 | 50 | LDR-Biased | 1.2 | 1.199 | -0.001 |
| 112 | 50 | LDR-Unbiased | 1.199 | 1.199 | 0 |
| 113 | 50 | LDR-Unbiased | 1.199 | 1.2 | 0.001 |
| 115 | 50 | LDR-Unbiased | 1.201 | 1.2 | -0.001 |
| 116 | 50 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |
| 117 | 50 | LDR-Unbiased | 1.201 | 1.199 | -0.002 |

## Test Statistics (V)

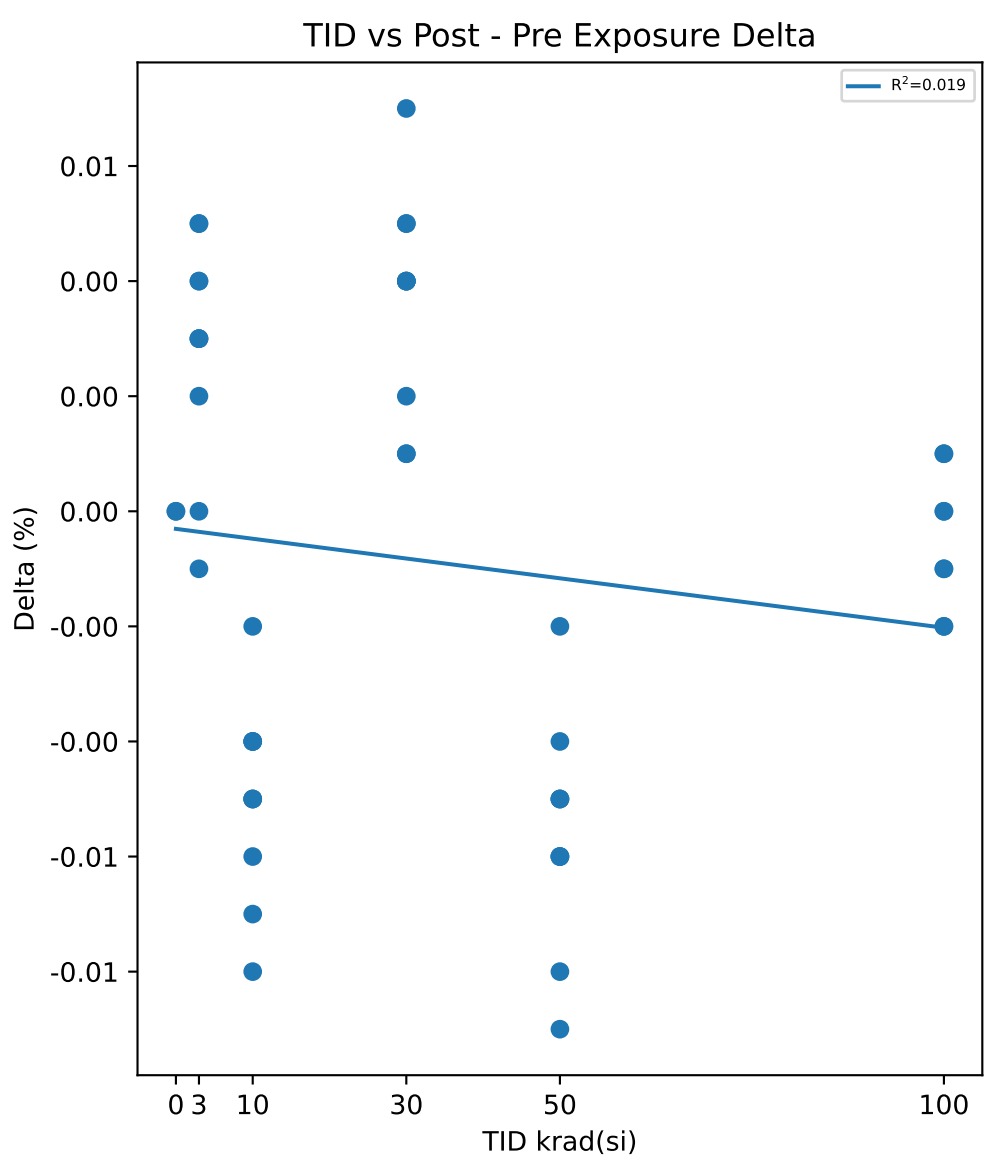
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.199 | 1.1995 | 1.2 | 0.00070711 | 1.199 | 1.1995 | 1.2 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1997 | 1.201 | 0.00067495 | -0.001 | -0.0002 | 0.001 | 0.00078881 |
| 10 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1998 | 1.201 | 0.00078881 | -0.001 | -0.0001 | 0.001 | 0.00073786 |
| 30 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1993 | 1.2 | 0.00048305 | -0.002 | -0.0006 | 0.001 | 0.00096609 |
| 50 | 1.199 | 1.1999 | 1.201 | 0.0008756 | 1.199 | 1.1993 | 1.2 | 0.00048305 | -0.002 | -0.0006 | 0.001 | 0.00096609 |
| 100 | 1.199 | 1.2 | 1.201 | 0.00053452 | 1.198 | 1.199 | 1.201 | 0.00092582 | -0.003 | -0.001 | 0.001 | 0.0011952 |

# Device Test: 6.50 VOH_2mA_SEQ/SEQ_DONE/7/14/0/0/2/@VOH_SEQ_DONE_2MA




Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

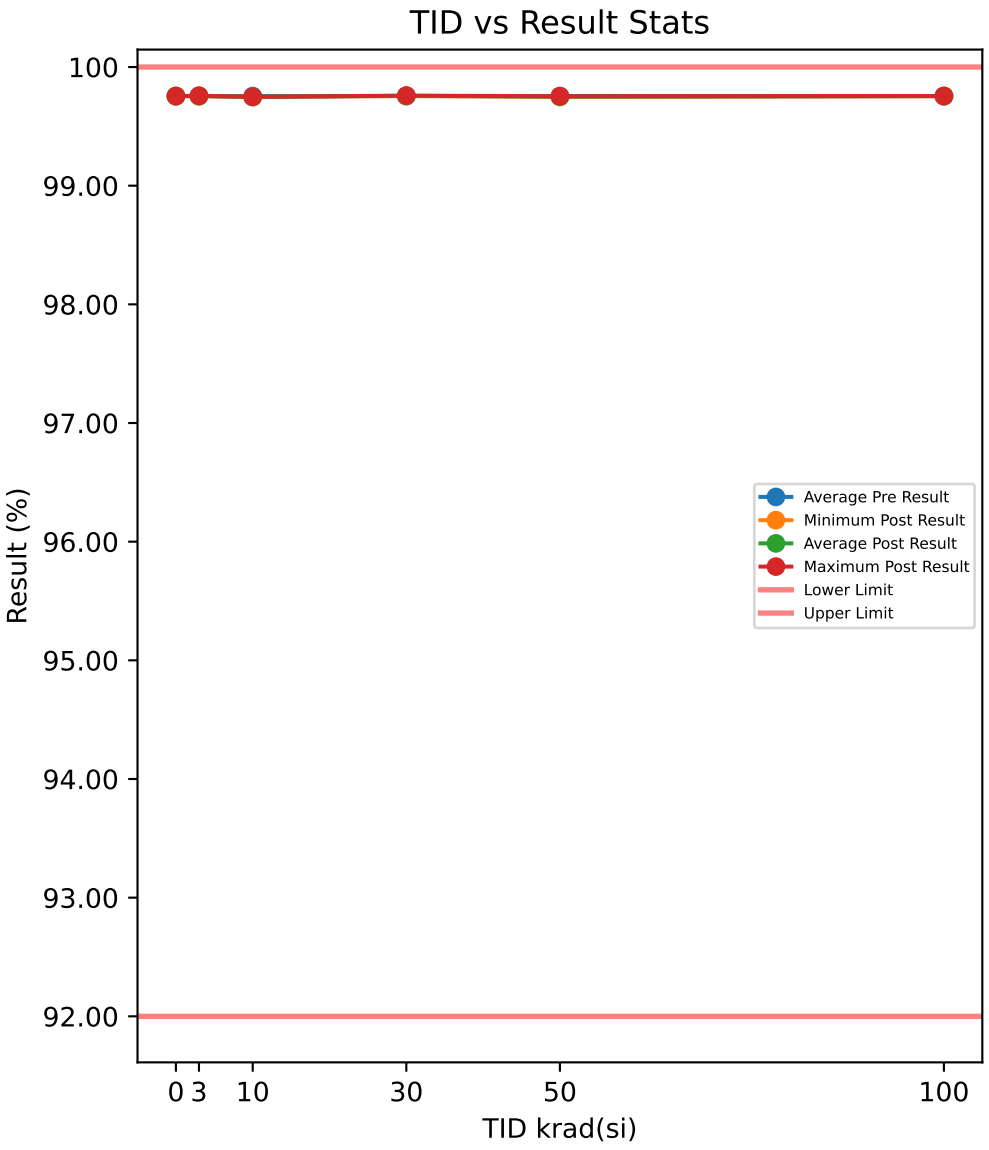
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.765 | 99.765 | 0 |
| 7 | 0 | Correlation | 99.765 | 99.765 | 0 |
| 16 | 3 | LDR-Biased | 99.764 | 99.769 | 0.005 |
| 18 | 3 | LDR-Biased | 99.764 | 99.767 | 0.003 |
| 19 | 3 | LDR-Biased | 99.762 | 99.766 | 0.004 |
| 20 | 3 | LDR-Biased | 99.763 | 99.767 | 0.004 |
| 21 | 3 | LDR-Biased | 99.763 | 99.766 | 0.003 |
| 22 | 3 | LDR-Unbiased | 99.762 | 99.767 | 0.005 |
| 23 | 3 | LDR-Unbiased | 99.765 | 99.764 | -0.001 |
| 25 | 3 | LDR-Unbiased | 99.763 | 99.763 | 0 |
| 26 | 3 | LDR-Unbiased | 99.762 | 99.764 | 0.002 |
| 27 | 3 | LDR-Unbiased | 99.762 | 99.765 | 0.003 |
| 46 | 10 | LDR-Biased | 99.764 | 99.76 | -0.004 |
| 48 | 10 | LDR-Biased | 99.764 | 99.758 | -0.006 |
| 49 | 10 | LDR-Biased | 99.762 | 99.758 | -0.004 |
| 50 | 10 | LDR-Biased | 99.763 | 99.759 | -0.004 |
| 51 | 10 | LDR-Biased | 99.763 | 99.758 | -0.005 |
| 52 | 10 | LDR-Unbiased | 99.762 | 99.76 | -0.002 |
| 53 | 10 | LDR-Unbiased | 99.765 | 99.758 | -0.007 |
| 55 | 10 | LDR-Unbiased | 99.763 | 99.755 | -0.008 |
| 56 | 10 | LDR-Unbiased | 99.762 | 99.757 | -0.005 |
| 57 | 10 | LDR-Unbiased | 99.762 | 99.757 | -0.005 |
| 76 | 30 | LDR-Biased | 99.764 | 99.768 | 0.004 |
| 78 | 30 | LDR-Biased | 99.764 | 99.766 | 0.002 |
| 79 | 30 | LDR-Biased | 99.762 | 99.766 | 0.004 |
| 80 | 30 | LDR-Biased | 99.763 | 99.768 | 0.005 |
| 81 | 30 | LDR-Biased | 99.763 | 99.767 | 0.004 |
| 82 | 30 | LDR-Unbiased | 99.762 | 99.769 | 0.007 |
| 83 | 30 | LDR-Unbiased | 99.765 | 99.766 | 0.001 |
| 84 | 30 | LDR-Unbiased | 99.762 | 99.767 | 0.005 |
| 85 | 30 | LDR-Unbiased | 99.763 | 99.764 | 0.001 |
| 86 | 30 | LDR-Unbiased | 99.762 | 99.766 | 0.004 |
| 87 | 100 | LDR-Biased | 99.763 | 99.762 | -0.001 |
| 88 | 100 | LDR-Biased | 99.762 | 99.762 | 0 |
| 90 | 100 | LDR-Biased | 99.763 | 99.761 | -0.002 |
| 91 | 100 | LDR-Unbiased | 99.762 | 99.762 | 0 |
| 93 | 100 | LDR-Unbiased | 99.763 | 99.761 | -0.002 |
| 94 | 100 | LDR-Unbiased | 99.763 | 99.764 | 0.001 |
| 95 | 100 | LDR-Unbiased | 99.763 | 99.762 | -0.001 |
| 96 | 100 | LDR-Unbiased | 99.762 | 99.763 | 0.001 |
| 106 | 50 | LDR-Biased | 99.764 | 99.762 | -0.002 |
| 108 | 50 | LDR-Biased | 99.764 | 99.758 | -0.006 |
| 109 | 50 | LDR-Biased | 99.762 | 99.757 | -0.005 |
| 110 | 50 | LDR-Biased | 99.763 | 99.758 | -0.005 |
| 111 | 50 | LDR-Biased | 99.763 | 99.758 | -0.005 |
| 112 | 50 | LDR-Unbiased | 99.762 | 99.758 | -0.004 |
| 113 | 50 | LDR-Unbiased | 99.765 | 99.757 | -0.008 |
| 115 | 50 | LDR-Unbiased | 99.763 | 99.754 | -0.009 |
| 116 | 50 | LDR-Unbiased | 99.762 | 99.756 | -0.006 |
| 117 | 50 | LDR-Unbiased | 99.762 | 99.756 | -0.006 |

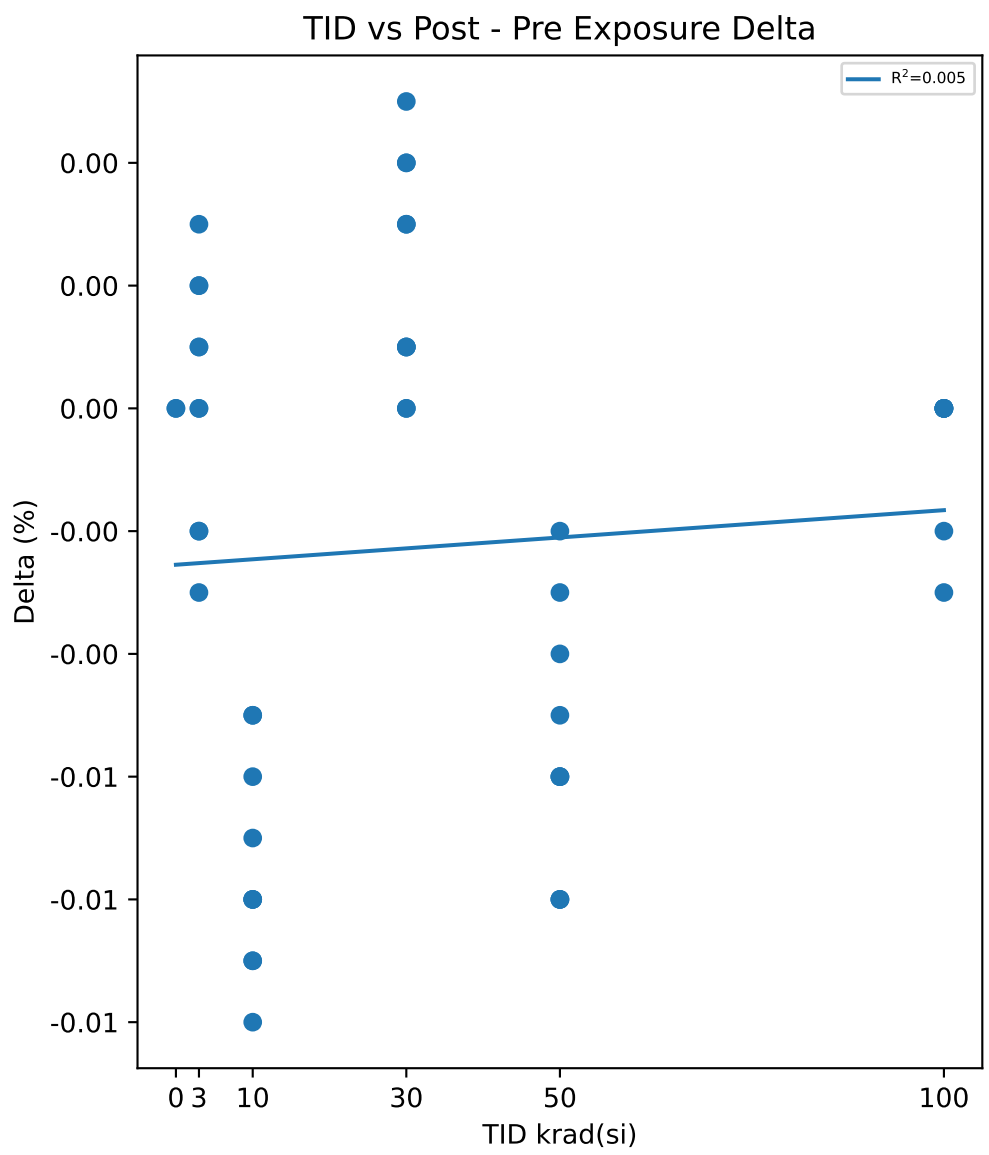



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.765 | 99.765 | 99.765 | 0 | 99.765 | 99.765 | 99.765 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.762 | 99.763 | 99.765 | 0.0010541 | 99.763 | 99.766 | 99.769 | 0.0018135 | -0.001 | 0.0028 | 0.005 | 0.0019889 |
| 10 | 99.762 | 99.763 | 99.765 | 0.0010541 | 99.755 | 99.758 | 99.76 | 0.0014907 | -0.008 | -0.005 | -0.002 | 0.0016997 |
| 30 | 99.762 | 99.763 | 99.765 | 0.0010541 | 99.764 | 99.767 | 99.769 | 0.0014181 | 0.001 | 0.0037 | 0.007 | 0.0018886 |
| 50 | 99.762 | 99.763 | 99.765 | 0.0010541 | 99.754 | 99.757 | 99.762 | 0.0020656 | -0.009 | -0.0056 | -0.002 | 0.0019551 |
| 100 | 99.762 | 99.763 | 99.763 | 0.00051755 | 99.761 | 99.762 | 99.764 | 0.00099103 | -0.002 | -0.0005 | 0.001 | 0.0011952 |

# Device Test: 6.51 VOH_2mA_PWRGD/PWRGD/7/14/0/0/2/@VOH_PWRGD_2MA



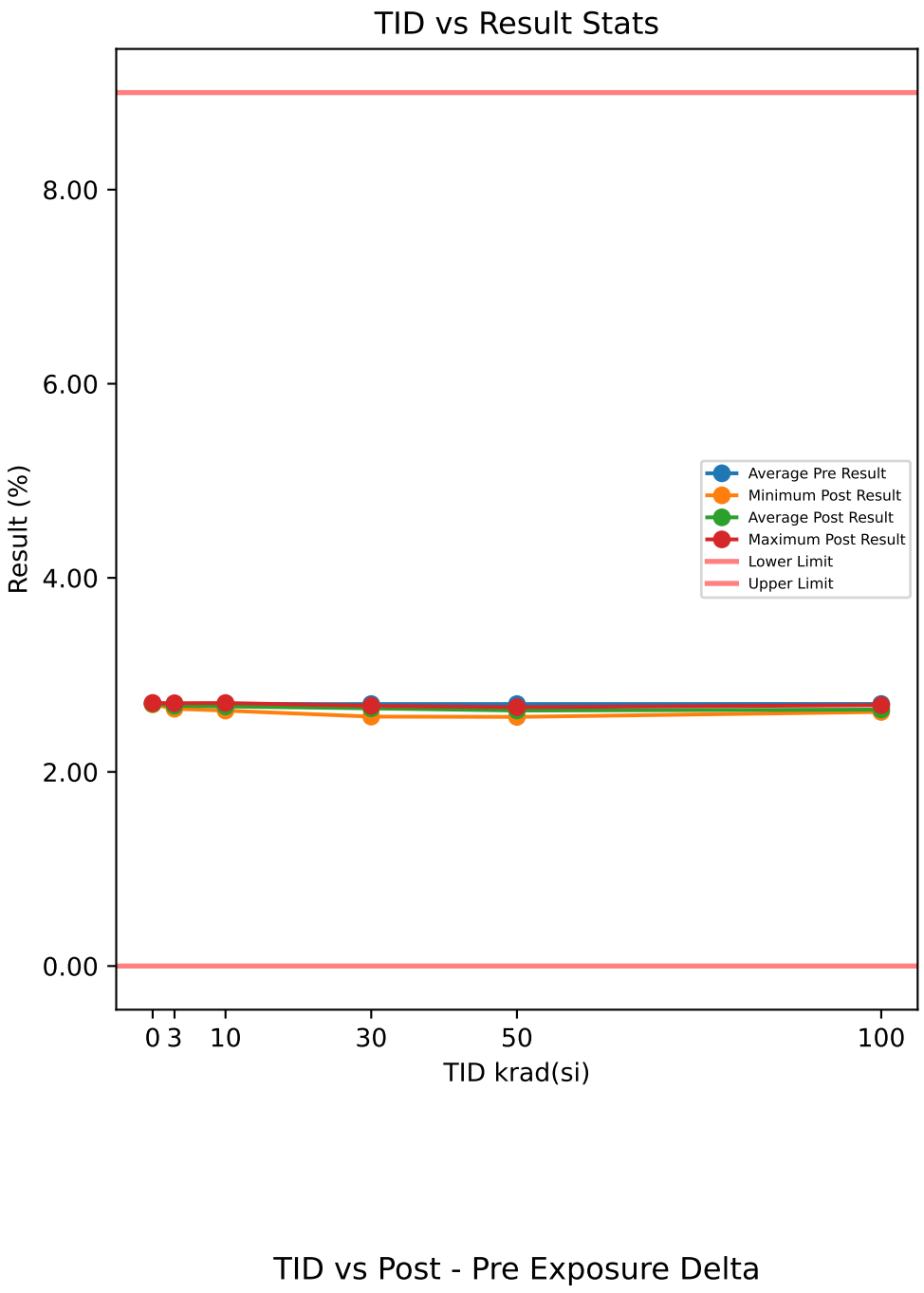

Test Results (Lower Limit = 92.0, Upper Limit = 100.0 (%))

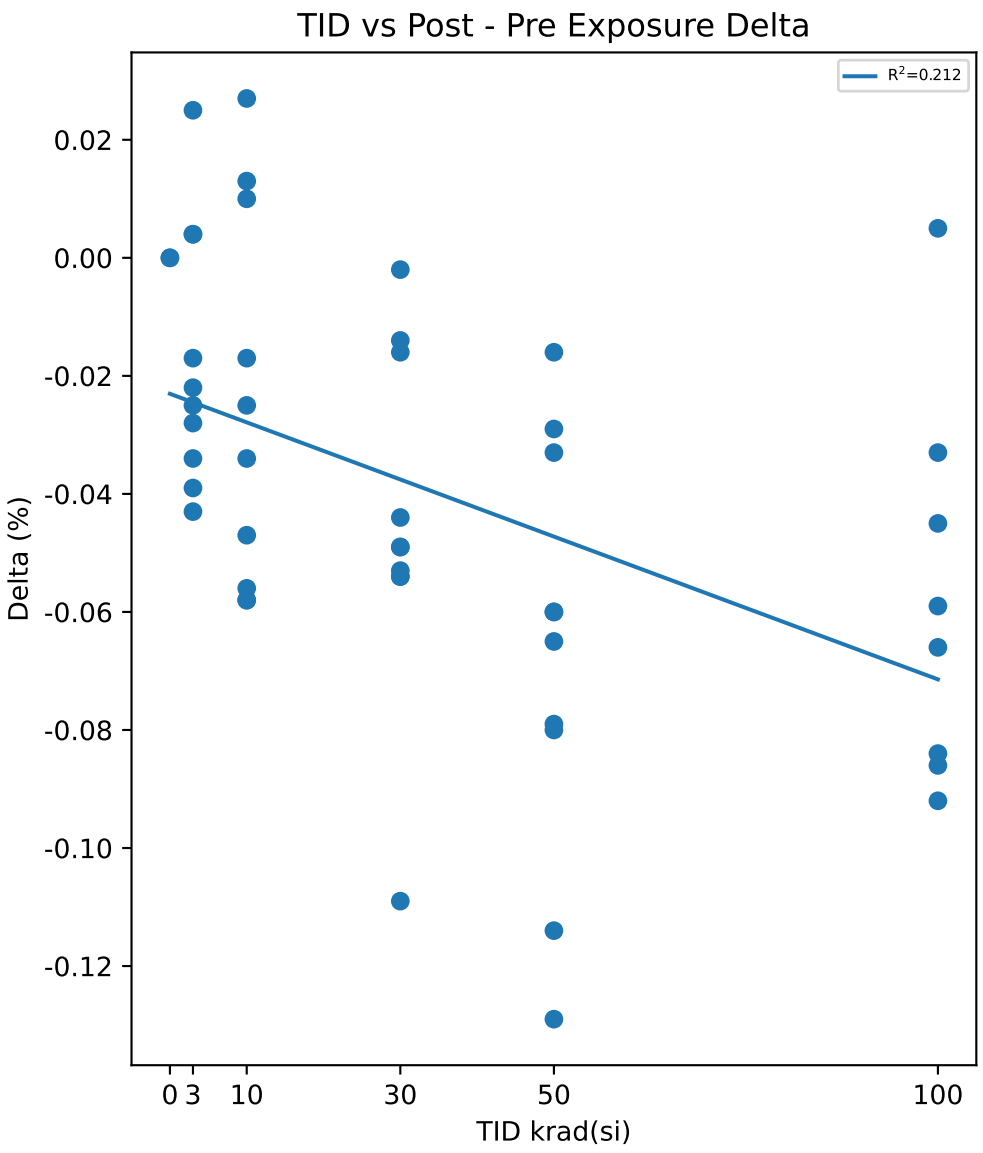
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.755 | 99.755 | 0 |
| 7 | 0 | Correlation | 99.755 | 99.755 | 0 |
| 16 | 3 | LDR-Biased | 99.756 | 99.758 | 0.002 |
| 18 | 3 | LDR-Biased | 99.756 | 99.757 | 0.001 |
| 19 | 3 | LDR-Biased | 99.755 | 99.755 | 0 |
| 20 | 3 | LDR-Biased | 99.754 | 99.756 | 0.002 |
| 21 | 3 | LDR-Biased | 99.757 | 99.754 | -0.003 |
| 22 | 3 | LDR-Unbiased | 99.754 | 99.757 | 0.003 |
| 23 | 3 | LDR-Unbiased | 99.757 | 99.755 | -0.002 |
| 25 | 3 | LDR-Unbiased | 99.756 | 99.754 | -0.002 |
| 26 | 3 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 27 | 3 | LDR-Unbiased | 99.754 | 99.755 | 0.001 |
| 46 | 10 | LDR-Biased | 99.756 | 99.749 | -0.007 |
| 48 | 10 | LDR-Biased | 99.756 | 99.748 | -0.008 |
| 49 | 10 | LDR-Biased | 99.755 | 99.747 | -0.008 |
| 50 | 10 | LDR-Biased | 99.754 | 99.749 | -0.005 |
| 51 | 10 | LDR-Biased | 99.757 | 99.747 | -0.01 |
| 52 | 10 | LDR-Unbiased | 99.754 | 99.749 | -0.005 |
| 53 | 10 | LDR-Unbiased | 99.757 | 99.748 | -0.009 |
| 55 | 10 | LDR-Unbiased | 99.756 | 99.747 | -0.009 |
| 56 | 10 | LDR-Unbiased | 99.755 | 99.747 | -0.008 |
| 57 | 10 | LDR-Unbiased | 99.754 | 99.748 | -0.006 |
| 76 | 30 | LDR-Biased | 99.756 | 99.759 | 0.003 |
| 78 | 30 | LDR-Biased | 99.756 | 99.757 | 0.001 |
| 79 | 30 | LDR-Biased | 99.755 | 99.756 | 0.001 |
| 80 | 30 | LDR-Biased | 99.754 | 99.758 | 0.004 |
| 81 | 30 | LDR-Biased | 99.757 | 99.757 | 0 |
| 82 | 30 | LDR-Unbiased | 99.754 | 99.759 | 0.005 |
| 83 | 30 | LDR-Unbiased | 99.757 | 99.758 | 0.001 |
| 84 | 30 | LDR-Unbiased | 99.754 | 99.758 | 0.004 |
| 85 | 30 | LDR-Unbiased | 99.756 | 99.756 | 0 |
| 86 | 30 | LDR-Unbiased | 99.755 | 99.758 | 0.003 |
| 87 | 100 | LDR-Biased | 99.755 | 99.755 | 0 |
| 88 | 100 | LDR-Biased | 99.755 | 99.755 | 0 |
| 90 | 100 | LDR-Biased | 99.756 | 99.754 | -0.002 |
| 91 | 100 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 93 | 100 | LDR-Unbiased | 99.757 | 99.754 | -0.003 |
| 94 | 100 | LDR-Unbiased | 99.756 | 99.756 | 0 |
| 95 | 100 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 96 | 100 | LDR-Unbiased | 99.755 | 99.755 | 0 |
| 106 | 50 | LDR-Biased | 99.756 | 99.754 | -0.002 |
| 108 | 50 | LDR-Biased | 99.756 | 99.75 | -0.006 |
| 109 | 50 | LDR-Biased | 99.755 | 99.749 | -0.006 |
| 110 | 50 | LDR-Biased | 99.754 | 99.751 | -0.003 |
| 111 | 50 | LDR-Biased | 99.757 | 99.749 | -0.008 |
| 112 | 50 | LDR-Unbiased | 99.754 | 99.75 | -0.004 |
| 113 | 50 | LDR-Unbiased | 99.757 | 99.749 | -0.008 |
| 115 | 50 | LDR-Unbiased | 99.756 | 99.748 | -0.008 |
| 116 | 50 | LDR-Unbiased | 99.755 | 99.749 | -0.006 |
| 117 | 50 | LDR-Unbiased | 99.754 | 99.749 | -0.005 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.755 | 99.755 | 99.755 | 0 | 99.755 | 99.755 | 99.755 | 0 | 0 | 0 | 0 | 0 |
| 3 | 99.754 | 99.755 | 99.757 | 0.0011738 | 99.754 | 99.756 | 99.758 | 0.0013499 | -0.003 | 0.0002 | 0.003 | 0.0019889 |
| 10 | 99.754 | 99.755 | 99.757 | 0.0011738 | 99.747 | 99.748 | 99.749 | 0.0008756 | -0.01 | -0.0075 | -0.005 | 0.0017159 |
| 30 | 99.754 | 99.755 | 99.757 | 0.0011738 | 99.756 | 99.758 | 99.759 | 0.001075 | 0 | 0.0022 | 0.005 | 0.0018135 |
| 50 | 99.754 | 99.755 | 99.757 | 0.0011738 | 99.748 | 99.75 | 99.754 | 0.0016865 | -0.008 | -0.0056 | -0.002 | 0.0021187 |
| 100 | 99.755 | 99.755 | 99.757 | 0.00075593 | 99.754 | 99.755 | 99.756 | 0.00064087 | -0.003 | -0.000625 | 0 | 0.0011877 |

# Device Test: 6.52 VOL_2mA_EN1/EN1/1.6/3/0/0/2/@VOL_EN_2MA



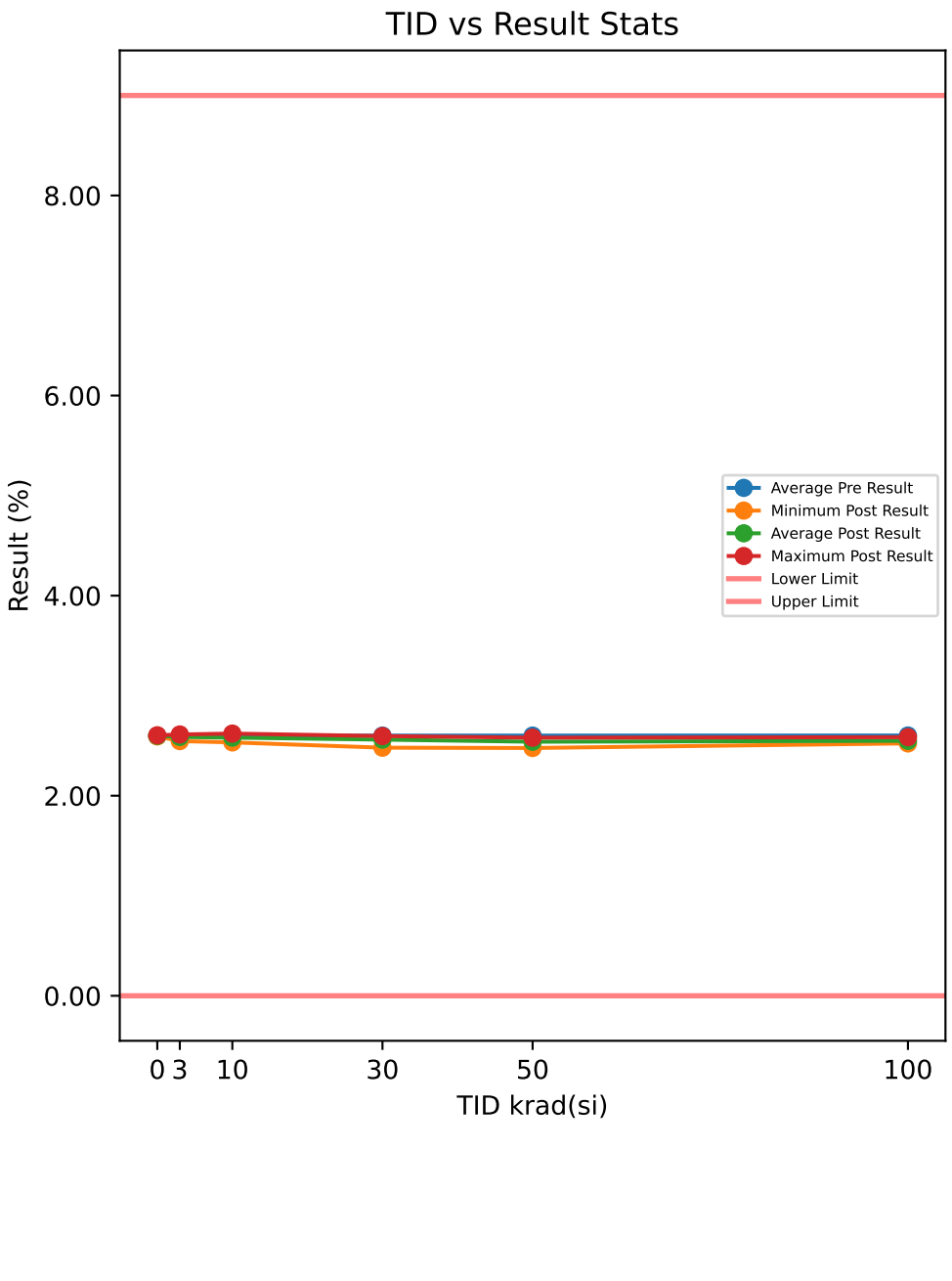

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

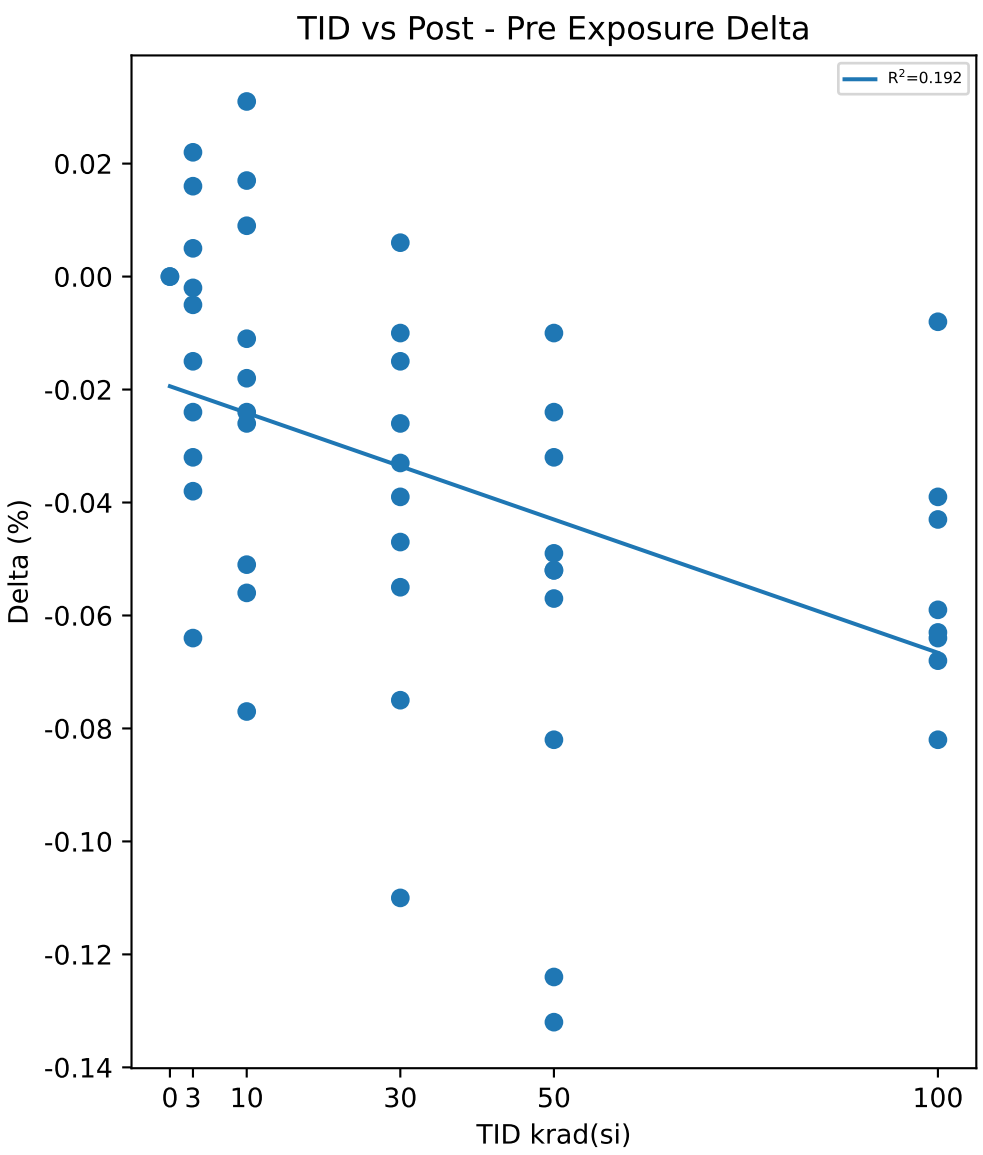
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.696 | 2.696 | 0 |
| 7 | 0 | Correlation | 2.711 | 2.711 | 0 |
| 16 | 3 | LDR-Biased | 2.703 | 2.66 | -0.043 |
| 18 | 3 | LDR-Biased | 2.679 | 2.651 | -0.028 |
| 19 | 3 | LDR-Biased | 2.702 | 2.668 | -0.034 |
| 20 | 3 | LDR-Biased | 2.696 | 2.657 | -0.039 |
| 21 | 3 | LDR-Biased | 2.717 | 2.7 | -0.017 |
| 22 | 3 | LDR-Unbiased | 2.694 | 2.698 | 0.004 |
| 23 | 3 | LDR-Unbiased | 2.685 | 2.689 | 0.004 |
| 25 | 3 | LDR-Unbiased | 2.711 | 2.689 | -0.022 |
| 26 | 3 | LDR-Unbiased | 2.723 | 2.698 | -0.025 |
| 27 | 3 | LDR-Unbiased | 2.683 | 2.708 | 0.025 |
| 46 | 10 | LDR-Biased | 2.703 | 2.645 | -0.058 |
| 48 | 10 | LDR-Biased | 2.679 | 2.632 | -0.047 |
| 49 | 10 | LDR-Biased | 2.702 | 2.646 | -0.056 |
| 50 | 10 | LDR-Biased | 2.696 | 2.638 | -0.058 |
| 51 | 10 | LDR-Biased | 2.717 | 2.683 | -0.034 |
| 52 | 10 | LDR-Unbiased | 2.694 | 2.707 | 0.013 |
| 53 | 10 | LDR-Unbiased | 2.685 | 2.695 | 0.01 |
| 55 | 10 | LDR-Unbiased | 2.711 | 2.694 | -0.017 |
| 56 | 10 | LDR-Unbiased | 2.723 | 2.698 | -0.025 |
| 57 | 10 | LDR-Unbiased | 2.683 | 2.71 | 0.027 |
| 76 | 30 | LDR-Biased | 2.703 | 2.649 | -0.054 |
| 78 | 30 | LDR-Biased | 2.679 | 2.57 | -0.109 |
| 79 | 30 | LDR-Biased | 2.702 | 2.648 | -0.054 |
| 80 | 30 | LDR-Biased | 2.696 | 2.643 | -0.053 |
| 81 | 30 | LDR-Biased | 2.717 | 2.668 | -0.049 |
| 82 | 30 | LDR-Unbiased | 2.694 | 2.68 | -0.014 |
| 83 | 30 | LDR-Unbiased | 2.685 | 2.669 | -0.016 |
| 84 | 30 | LDR-Unbiased | 2.683 | 2.681 | -0.002 |
| 85 | 30 | LDR-Unbiased | 2.711 | 2.667 | -0.044 |
| 86 | 30 | LDR-Unbiased | 2.723 | 2.674 | -0.049 |
| 87 | 100 | LDR-Biased | 2.722 | 2.63 | -0.092 |
| 88 | 100 | LDR-Biased | 2.718 | 2.685 | -0.033 |
| 90 | 100 | LDR-Biased | 2.683 | 2.688 | 0.005 |
| 91 | 100 | LDR-Unbiased | 2.686 | 2.62 | -0.066 |
| 93 | 100 | LDR-Unbiased | 2.717 | 2.633 | -0.084 |
| 94 | 100 | LDR-Unbiased | 2.704 | 2.618 | -0.086 |
| 95 | 100 | LDR-Unbiased | 2.685 | 2.64 | -0.045 |
| 96 | 100 | LDR-Unbiased | 2.685 | 2.626 | -0.059 |
| 106 | 50 | LDR-Biased | 2.703 | 2.589 | -0.114 |
| 108 | 50 | LDR-Biased | 2.679 | 2.6 | -0.079 |
| 109 | 50 | LDR-Biased | 2.702 | 2.622 | -0.08 |
| 110 | 50 | LDR-Biased | 2.696 | 2.567 | -0.129 |
| 111 | 50 | LDR-Biased | 2.717 | 2.652 | -0.065 |
| 112 | 50 | LDR-Unbiased | 2.694 | 2.665 | -0.029 |
| 113 | 50 | LDR-Unbiased | 2.685 | 2.652 | -0.033 |
| 115 | 50 | LDR-Unbiased | 2.711 | 2.651 | -0.06 |
| 116 | 50 | LDR-Unbiased | 2.723 | 2.663 | -0.06 |
| 117 | 50 | LDR-Unbiased | 2.683 | 2.667 | -0.016 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.696 | 2.7035 | 2.711 | 0.010607 | 2.696 | 2.7035 | 2.711 | 0.010607 | 0 | 0 | 0 | 0 |
| 3 | 2.679 | 2.6993 | 2.723 | 0.014735 | 2.651 | 2.6818 | 2.708 | 0.020751 | -0.043 | -0.0175 | 0.025 | 0.021864 |
| 10 | 2.679 | 2.6993 | 2.723 | 0.014735 | 2.632 | 2.6748 | 2.71 | 0.030843 | -0.058 | -0.0245 | 0.027 | 0.031865 |
| 30 | 2.679 | 2.6993 | 2.723 | 0.014735 | 2.57 | 2.6549 | 2.681 | 0.032702 | -0.109 | -0.0444 | -0.002 | 0.029819 |
| 50 | 2.679 | 2.6993 | 2.723 | 0.014735 | 2.567 | 2.6328 | 2.667 | 0.035944 | -0.129 | -0.0665 | -0.016 | 0.036004 |
| 100 | 2.683 | 2.7 | 2.722 | 0.017105 | 2.618 | 2.6425 | 2.688 | 0.028051 | -0.092 | -0.0575 | 0.005 | 0.032606 |

# Device Test: 6.53 VOL_2mA_EN2/EN2/1.6/3/0/0/2/@VOL_EN_2MA



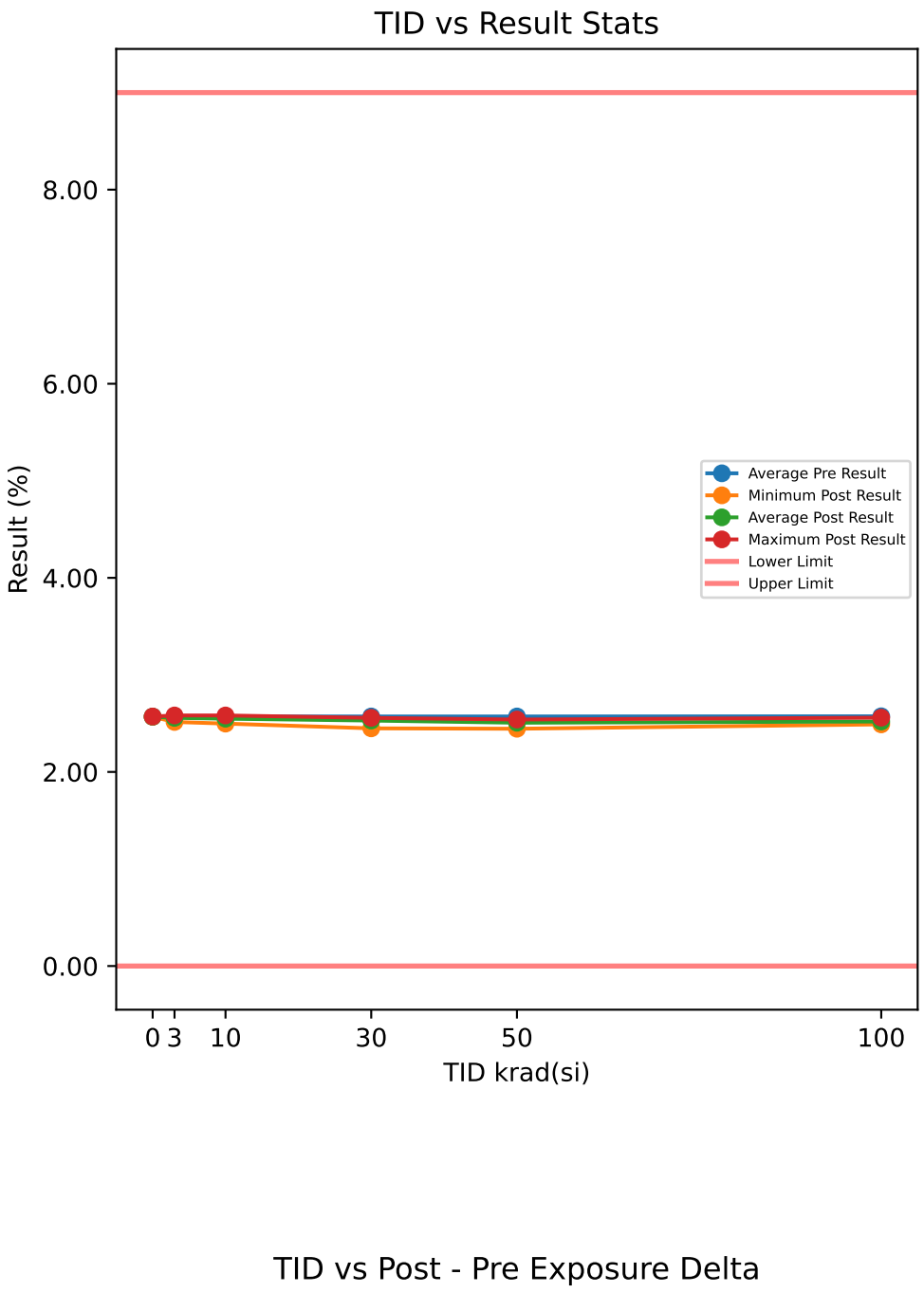

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

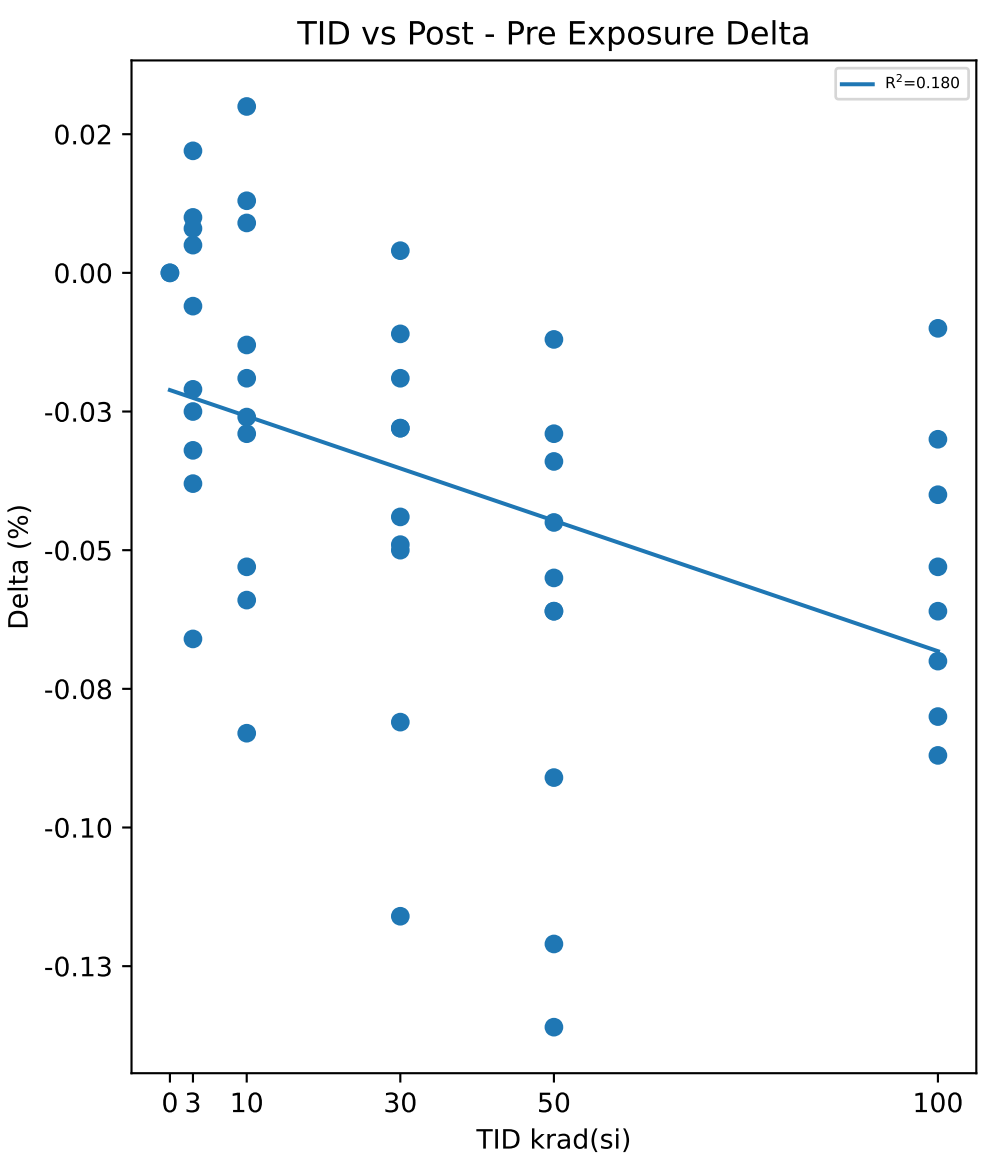
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.593 | 2.593 | 0 |
| 7 | 0 | Correlation | 2.604 | 2.604 | 0 |
| 16 | 3 | LDR-Biased | 2.61 | 2.546 | -0.064 |
| 18 | 3 | LDR-Biased | 2.59 | 2.558 | -0.032 |
| 19 | 3 | LDR-Biased | 2.602 | 2.597 | -0.005 |
| 20 | 3 | LDR-Biased | 2.601 | 2.563 | -0.038 |
| 21 | 3 | LDR-Biased | 2.609 | 2.607 | -0.002 |
| 22 | 3 | LDR-Unbiased | 2.59 | 2.612 | 0.022 |
| 23 | 3 | LDR-Unbiased | 2.599 | 2.604 | 0.005 |
| 25 | 3 | LDR-Unbiased | 2.598 | 2.583 | -0.015 |
| 26 | 3 | LDR-Unbiased | 2.618 | 2.594 | -0.024 |
| 27 | 3 | LDR-Unbiased | 2.593 | 2.609 | 0.016 |
| 46 | 10 | LDR-Biased | 2.61 | 2.533 | -0.077 |
| 48 | 10 | LDR-Biased | 2.59 | 2.539 | -0.051 |
| 49 | 10 | LDR-Biased | 2.602 | 2.576 | -0.026 |
| 50 | 10 | LDR-Biased | 2.601 | 2.545 | -0.056 |
| 51 | 10 | LDR-Biased | 2.609 | 2.591 | -0.018 |
| 52 | 10 | LDR-Unbiased | 2.59 | 2.621 | 0.031 |
| 53 | 10 | LDR-Unbiased | 2.599 | 2.608 | 0.009 |
| 55 | 10 | LDR-Unbiased | 2.598 | 2.587 | -0.011 |
| 56 | 10 | LDR-Unbiased | 2.618 | 2.594 | -0.024 |
| 57 | 10 | LDR-Unbiased | 2.593 | 2.61 | 0.017 |
| 76 | 30 | LDR-Biased | 2.61 | 2.535 | -0.075 |
| 78 | 30 | LDR-Biased | 2.59 | 2.48 | -0.11 |
| 79 | 30 | LDR-Biased | 2.602 | 2.576 | -0.026 |
| 80 | 30 | LDR-Biased | 2.601 | 2.546 | -0.055 |
| 81 | 30 | LDR-Biased | 2.609 | 2.576 | -0.033 |
| 82 | 30 | LDR-Unbiased | 2.59 | 2.596 | 0.006 |
| 83 | 30 | LDR-Unbiased | 2.599 | 2.584 | -0.015 |
| 84 | 30 | LDR-Unbiased | 2.593 | 2.583 | -0.01 |
| 85 | 30 | LDR-Unbiased | 2.598 | 2.559 | -0.039 |
| 86 | 30 | LDR-Unbiased | 2.618 | 2.571 | -0.047 |
| 87 | 100 | LDR-Biased | 2.614 | 2.532 | -0.082 |
| 88 | 100 | LDR-Biased | 2.625 | 2.582 | -0.043 |
| 90 | 100 | LDR-Biased | 2.593 | 2.585 | -0.008 |
| 91 | 100 | LDR-Unbiased | 2.582 | 2.523 | -0.059 |
| 93 | 100 | LDR-Unbiased | 2.609 | 2.545 | -0.064 |
| 94 | 100 | LDR-Unbiased | 2.611 | 2.543 | -0.068 |
| 95 | 100 | LDR-Unbiased | 2.586 | 2.547 | -0.039 |
| 96 | 100 | LDR-Unbiased | 2.594 | 2.531 | -0.063 |
| 106 | 50 | LDR-Biased | 2.61 | 2.478 | -0.132 |
| 108 | 50 | LDR-Biased | 2.59 | 2.508 | -0.082 |
| 109 | 50 | LDR-Biased | 2.602 | 2.55 | -0.052 |
| 110 | 50 | LDR-Biased | 2.601 | 2.477 | -0.124 |
| 111 | 50 | LDR-Biased | 2.609 | 2.56 | -0.049 |
| 112 | 50 | LDR-Unbiased | 2.59 | 2.58 | -0.01 |
| 113 | 50 | LDR-Unbiased | 2.599 | 2.567 | -0.032 |
| 115 | 50 | LDR-Unbiased | 2.598 | 2.546 | -0.052 |
| 116 | 50 | LDR-Unbiased | 2.618 | 2.561 | -0.057 |
| 117 | 50 | LDR-Unbiased | 2.593 | 2.569 | -0.024 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.593 | 2.5985 | 2.604 | 0.0077782 | 2.593 | 2.5985 | 2.604 | 0.0077782 | 0 | 0 | 0 | 0 |
| 3 | 2.59 | 2.601 | 2.618 | 0.009153 | 2.546 | 2.5873 | 2.612 | 0.023711 | -0.064 | -0.0137 | 0.022 | 0.02642 |
| 10 | 2.59 | 2.601 | 2.618 | 0.009153 | 2.533 | 2.5804 | 2.621 | 0.031377 | -0.077 | -0.0206 | 0.031 | 0.034076 |
| 30 | 2.59 | 2.601 | 2.618 | 0.009153 | 2.48 | 2.5606 | 2.596 | 0.033751 | -0.11 | -0.0404 | 0.006 | 0.033804 |
| 50 | 2.59 | 2.601 | 2.618 | 0.009153 | 2.477 | 2.5396 | 2.58 | 0.03798 | -0.132 | -0.0614 | -0.01 | 0.040253 |
| 100 | 2.582 | 2.6018 | 2.625 | 0.015135 | 2.523 | 2.5485 | 2.585 | 0.023078 | -0.082 | -0.05325 | -0.008 | 0.022814 |

# Device Test: 6.54 VOL_2mA_EN3/EN3/1.6/3/0/0/2/@VOL_EN_2MA



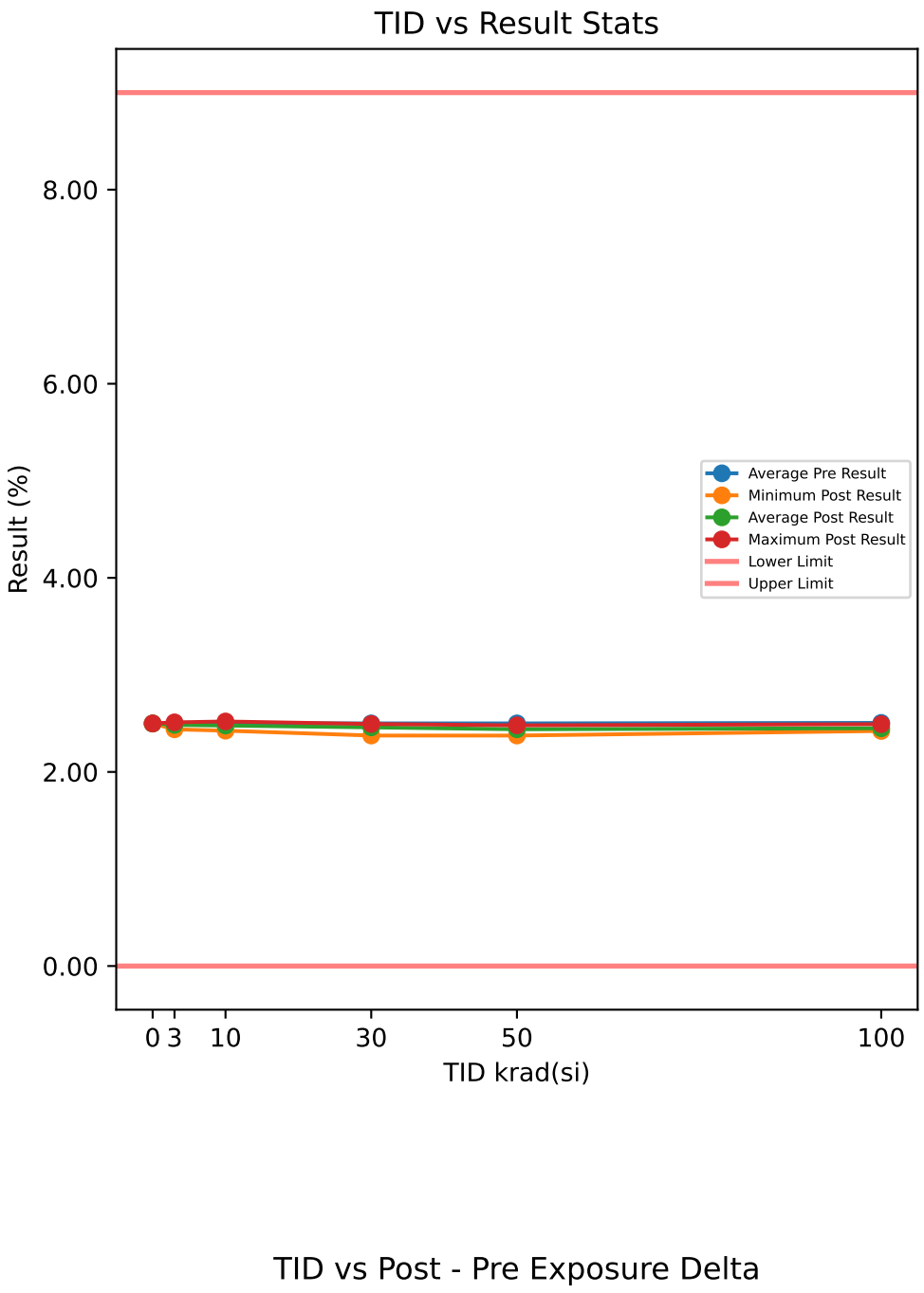

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

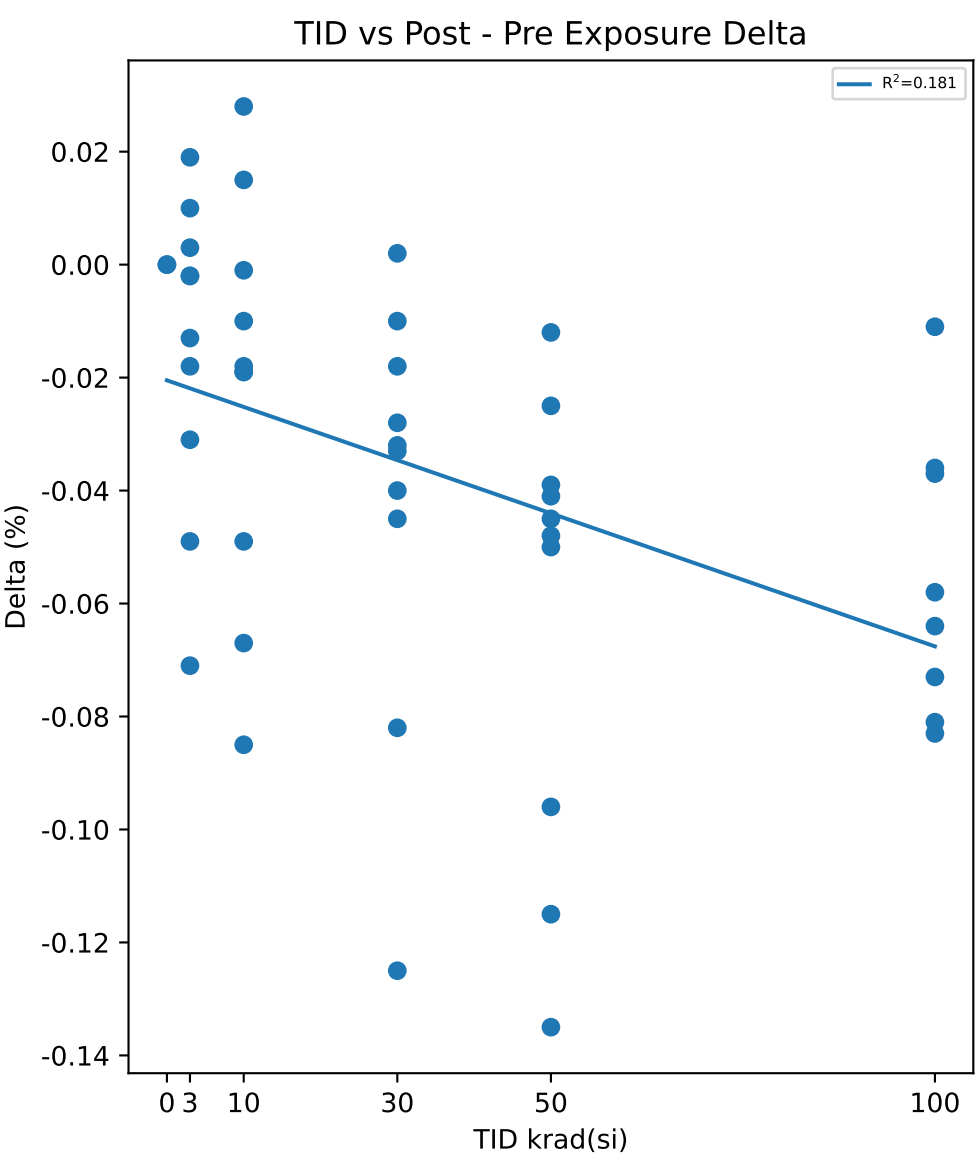
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.568 | 2.568 | 0 |
| 7 | 0 | Correlation | 2.571 | 2.571 | 0 |
| 16 | 3 | LDR-Biased | 2.581 | 2.515 | -0.066 |
| 18 | 3 | LDR-Biased | 2.565 | 2.527 | -0.038 |
| 19 | 3 | LDR-Biased | 2.578 | 2.572 | -0.006 |
| 20 | 3 | LDR-Biased | 2.567 | 2.535 | -0.032 |
| 21 | 3 | LDR-Biased | 2.577 | 2.582 | 0.005 |
| 22 | 3 | LDR-Unbiased | 2.552 | 2.574 | 0.022 |
| 23 | 3 | LDR-Unbiased | 2.568 | 2.578 | 0.01 |
| 25 | 3 | LDR-Unbiased | 2.568 | 2.547 | -0.021 |
| 26 | 3 | LDR-Unbiased | 2.589 | 2.564 | -0.025 |
| 27 | 3 | LDR-Unbiased | 2.57 | 2.578 | 0.008 |
| 46 | 10 | LDR-Biased | 2.581 | 2.498 | -0.083 |
| 48 | 10 | LDR-Biased | 2.565 | 2.506 | -0.059 |
| 49 | 10 | LDR-Biased | 2.578 | 2.549 | -0.029 |
| 50 | 10 | LDR-Biased | 2.567 | 2.514 | -0.053 |
| 51 | 10 | LDR-Biased | 2.577 | 2.564 | -0.013 |
| 52 | 10 | LDR-Unbiased | 2.552 | 2.582 | 0.03 |
| 53 | 10 | LDR-Unbiased | 2.568 | 2.581 | 0.013 |
| 55 | 10 | LDR-Unbiased | 2.568 | 2.549 | -0.019 |
| 56 | 10 | LDR-Unbiased | 2.589 | 2.563 | -0.026 |
| 57 | 10 | LDR-Unbiased | 2.57 | 2.579 | 0.009 |
| 76 | 30 | LDR-Biased | 2.581 | 2.5 | -0.081 |
| 78 | 30 | LDR-Biased | 2.565 | 2.449 | -0.116 |
| 79 | 30 | LDR-Biased | 2.578 | 2.55 | -0.028 |
| 80 | 30 | LDR-Biased | 2.567 | 2.518 | -0.049 |
| 81 | 30 | LDR-Biased | 2.577 | 2.549 | -0.028 |
| 82 | 30 | LDR-Unbiased | 2.552 | 2.556 | 0.004 |
| 83 | 30 | LDR-Unbiased | 2.568 | 2.557 | -0.011 |
| 84 | 30 | LDR-Unbiased | 2.57 | 2.551 | -0.019 |
| 85 | 30 | LDR-Unbiased | 2.568 | 2.524 | -0.044 |
| 86 | 30 | LDR-Unbiased | 2.589 | 2.539 | -0.05 |
| 87 | 100 | LDR-Biased | 2.594 | 2.507 | -0.087 |
| 88 | 100 | LDR-Biased | 2.596 | 2.556 | -0.04 |
| 90 | 100 | LDR-Biased | 2.569 | 2.559 | -0.01 |
| 91 | 100 | LDR-Unbiased | 2.543 | 2.49 | -0.053 |
| 93 | 100 | LDR-Unbiased | 2.577 | 2.516 | -0.061 |
| 94 | 100 | LDR-Unbiased | 2.583 | 2.513 | -0.07 |
| 95 | 100 | LDR-Unbiased | 2.554 | 2.524 | -0.03 |
| 96 | 100 | LDR-Unbiased | 2.571 | 2.491 | -0.08 |
| 106 | 50 | LDR-Biased | 2.581 | 2.445 | -0.136 |
| 108 | 50 | LDR-Biased | 2.565 | 2.474 | -0.091 |
| 109 | 50 | LDR-Biased | 2.578 | 2.523 | -0.055 |
| 110 | 50 | LDR-Biased | 2.567 | 2.446 | -0.121 |
| 111 | 50 | LDR-Biased | 2.577 | 2.532 | -0.045 |
| 112 | 50 | LDR-Unbiased | 2.552 | 2.54 | -0.012 |
| 113 | 50 | LDR-Unbiased | 2.568 | 2.539 | -0.029 |
| 115 | 50 | LDR-Unbiased | 2.568 | 2.507 | -0.061 |
| 116 | 50 | LDR-Unbiased | 2.589 | 2.528 | -0.061 |
| 117 | 50 | LDR-Unbiased | 2.57 | 2.536 | -0.034 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.568 | 2.5695 | 2.571 | 0.0021213 | 2.568 | 2.5695 | 2.571 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 2.552 | 2.5715 | 2.589 | 0.010212 | 2.515 | 2.5572 | 2.582 | 0.024307 | -0.066 | -0.0143 | 0.022 | 0.026986 |
| 10 | 2.552 | 2.5715 | 2.589 | 0.010212 | 2.498 | 2.5485 | 2.582 | 0.031809 | -0.083 | -0.023 | 0.03 | 0.035097 |
| 30 | 2.552 | 2.5715 | 2.589 | 0.010212 | 2.449 | 2.5293 | 2.557 | 0.033869 | -0.116 | -0.0422 | 0.004 | 0.035137 |
| 50 | 2.552 | 2.5715 | 2.589 | 0.010212 | 2.445 | 2.507 | 2.54 | 0.037903 | -0.136 | -0.0645 | -0.012 | 0.040067 |
| 100 | 2.543 | 2.5734 | 2.596 | 0.018384 | 2.49 | 2.5195 | 2.559 | 0.026203 | -0.087 | -0.053875 | -0.01 | 0.026128 |

# Device Test: 6.55 VOL_2mA_EN4/EN4/1.6/3/0/0/2/@VOL_EN_2MA



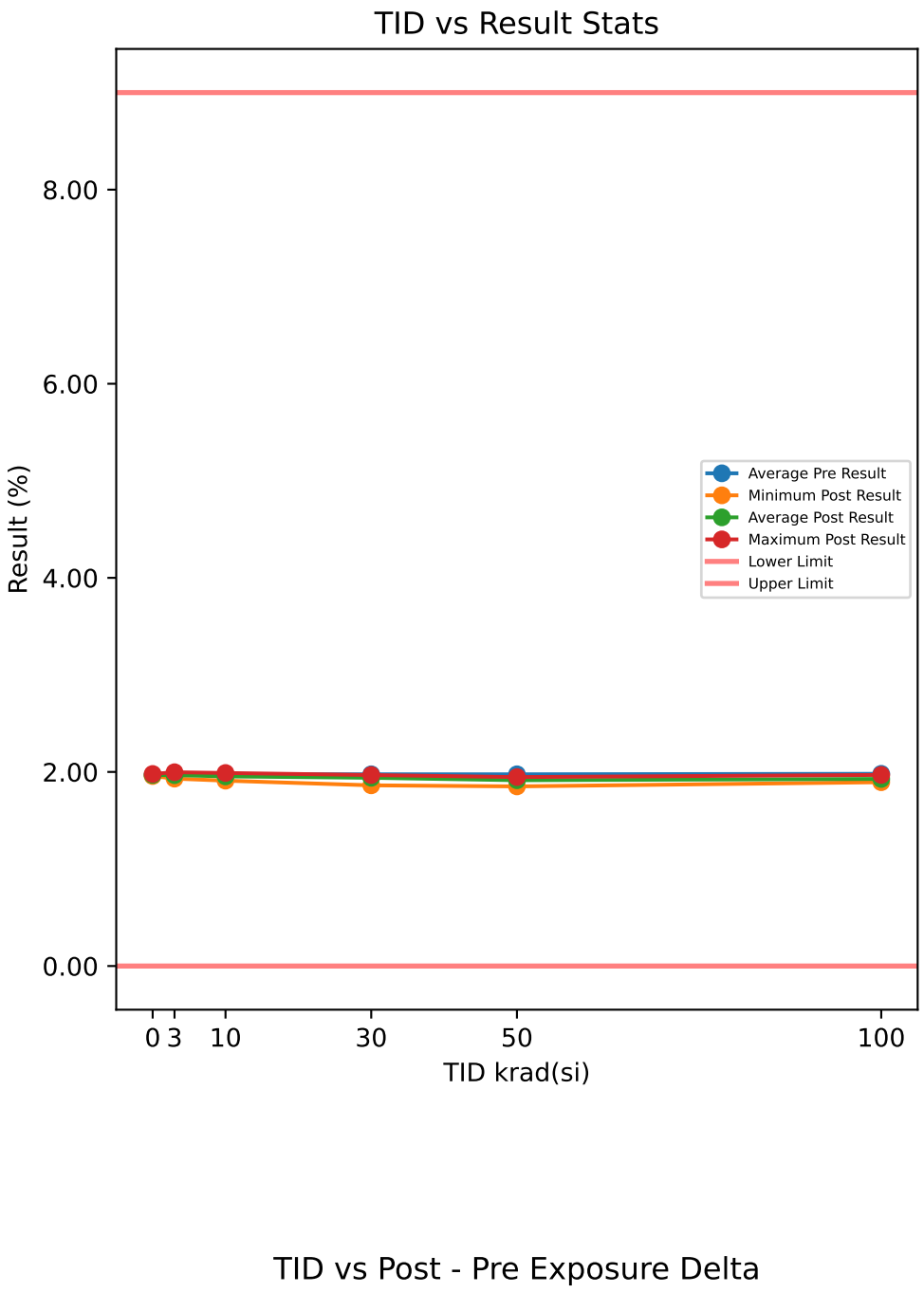

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

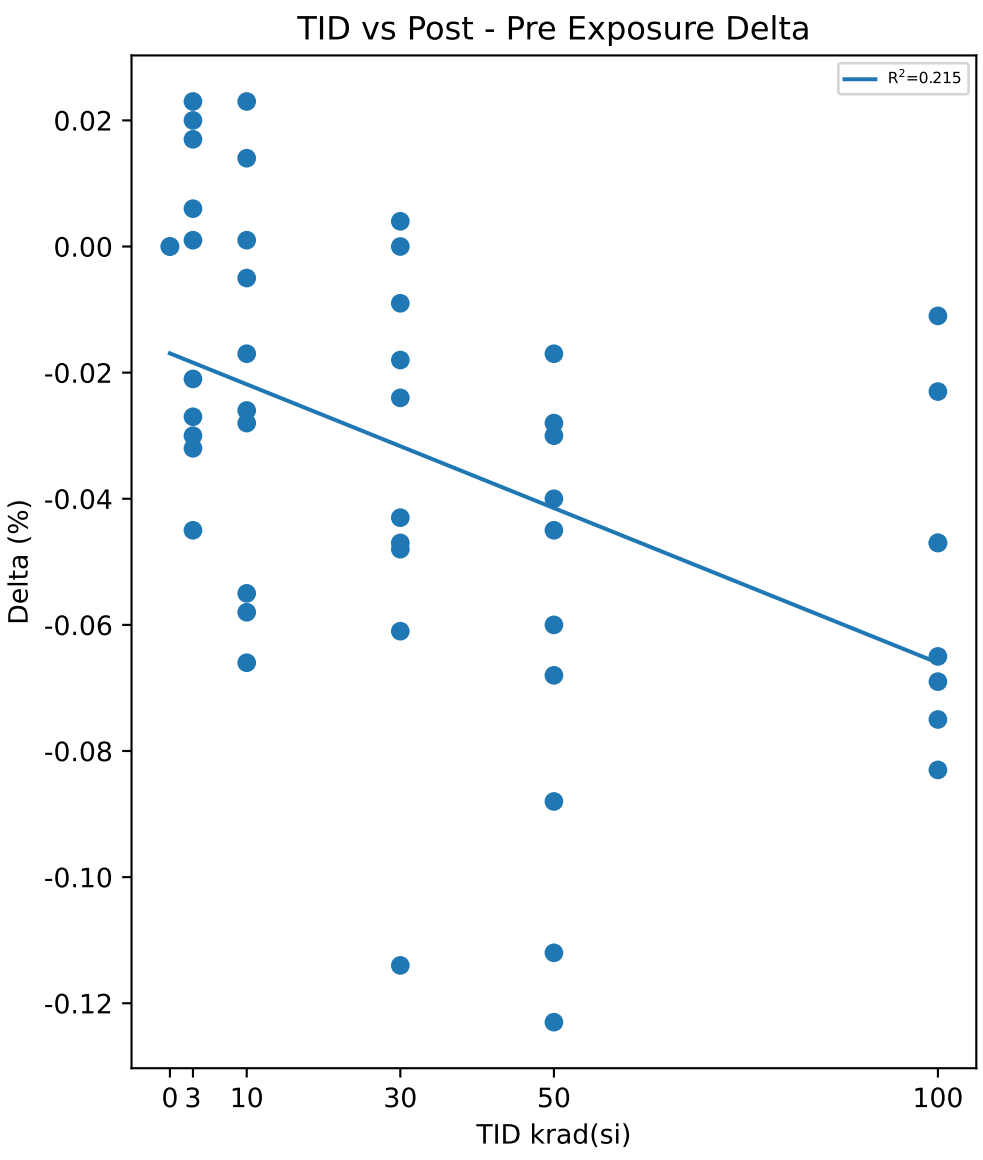
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.498 | 2.498 | 0 |
| 7 | 0 | Correlation | 2.5 | 2.5 | 0 |
| 16 | 3 | LDR-Biased | 2.51 | 2.439 | -0.071 |
| 18 | 3 | LDR-Biased | 2.5 | 2.451 | -0.049 |
| 19 | 3 | LDR-Biased | 2.499 | 2.502 | 0.003 |
| 20 | 3 | LDR-Biased | 2.494 | 2.463 | -0.031 |
| 21 | 3 | LDR-Biased | 2.508 | 2.506 | -0.002 |
| 22 | 3 | LDR-Unbiased | 2.492 | 2.511 | 0.019 |
| 23 | 3 | LDR-Unbiased | 2.492 | 2.502 | 0.01 |
| 25 | 3 | LDR-Unbiased | 2.491 | 2.478 | -0.013 |
| 26 | 3 | LDR-Unbiased | 2.513 | 2.495 | -0.018 |
| 27 | 3 | LDR-Unbiased | 2.503 | 2.501 | -0.002 |
| 46 | 10 | LDR-Biased | 2.51 | 2.425 | -0.085 |
| 48 | 10 | LDR-Biased | 2.5 | 2.433 | -0.067 |
| 49 | 10 | LDR-Biased | 2.499 | 2.48 | -0.019 |
| 50 | 10 | LDR-Biased | 2.494 | 2.445 | -0.049 |
| 51 | 10 | LDR-Biased | 2.508 | 2.49 | -0.018 |
| 52 | 10 | LDR-Unbiased | 2.492 | 2.52 | 0.028 |
| 53 | 10 | LDR-Unbiased | 2.492 | 2.507 | 0.015 |
| 55 | 10 | LDR-Unbiased | 2.491 | 2.481 | -0.01 |
| 56 | 10 | LDR-Unbiased | 2.513 | 2.494 | -0.019 |
| 57 | 10 | LDR-Unbiased | 2.503 | 2.502 | -0.001 |
| 76 | 30 | LDR-Biased | 2.51 | 2.428 | -0.082 |
| 78 | 30 | LDR-Biased | 2.5 | 2.375 | -0.125 |
| 79 | 30 | LDR-Biased | 2.499 | 2.481 | -0.018 |
| 80 | 30 | LDR-Biased | 2.494 | 2.449 | -0.045 |
| 81 | 30 | LDR-Biased | 2.508 | 2.476 | -0.032 |
| 82 | 30 | LDR-Unbiased | 2.492 | 2.494 | 0.002 |
| 83 | 30 | LDR-Unbiased | 2.492 | 2.482 | -0.01 |
| 84 | 30 | LDR-Unbiased | 2.503 | 2.475 | -0.028 |
| 85 | 30 | LDR-Unbiased | 2.491 | 2.458 | -0.033 |
| 86 | 30 | LDR-Unbiased | 2.513 | 2.473 | -0.04 |
| 87 | 100 | LDR-Biased | 2.52 | 2.439 | -0.081 |
| 88 | 100 | LDR-Biased | 2.524 | 2.488 | -0.036 |
| 90 | 100 | LDR-Biased | 2.503 | 2.492 | -0.011 |
| 91 | 100 | LDR-Unbiased | 2.484 | 2.426 | -0.058 |
| 93 | 100 | LDR-Unbiased | 2.508 | 2.444 | -0.064 |
| 94 | 100 | LDR-Unbiased | 2.512 | 2.439 | -0.073 |
| 95 | 100 | LDR-Unbiased | 2.486 | 2.449 | -0.037 |
| 96 | 100 | LDR-Unbiased | 2.505 | 2.422 | -0.083 |
| 106 | 50 | LDR-Biased | 2.51 | 2.375 | -0.135 |
| 108 | 50 | LDR-Biased | 2.5 | 2.404 | -0.096 |
| 109 | 50 | LDR-Biased | 2.499 | 2.458 | -0.041 |
| 110 | 50 | LDR-Biased | 2.494 | 2.379 | -0.115 |
| 111 | 50 | LDR-Biased | 2.508 | 2.463 | -0.045 |
| 112 | 50 | LDR-Unbiased | 2.492 | 2.48 | -0.012 |
| 113 | 50 | LDR-Unbiased | 2.492 | 2.467 | -0.025 |
| 115 | 50 | LDR-Unbiased | 2.491 | 2.443 | -0.048 |
| 116 | 50 | LDR-Unbiased | 2.513 | 2.463 | -0.05 |
| 117 | 50 | LDR-Unbiased | 2.503 | 2.464 | -0.039 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.498 | 2.499 | 2.5 | 0.0014142 | 2.498 | 2.499 | 2.5 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 2.491 | 2.5002 | 2.513 | 0.0080802 | 2.439 | 2.4848 | 2.511 | 0.025507 | -0.071 | -0.0154 | 0.019 | 0.027893 |
| 10 | 2.491 | 2.5002 | 2.513 | 0.0080802 | 2.425 | 2.4777 | 2.52 | 0.032517 | -0.085 | -0.0225 | 0.028 | 0.03529 |
| 30 | 2.491 | 2.5002 | 2.513 | 0.0080802 | 2.375 | 2.4591 | 2.494 | 0.035114 | -0.125 | -0.0411 | 0.002 | 0.037129 |
| 50 | 2.491 | 2.5002 | 2.513 | 0.0080802 | 2.375 | 2.4396 | 2.48 | 0.038782 | -0.135 | -0.0606 | -0.012 | 0.040473 |
| 100 | 2.484 | 2.5053 | 2.524 | 0.01439 | 2.422 | 2.4499 | 2.492 | 0.026314 | -0.083 | -0.055375 | -0.011 | 0.025337 |

# Device Test: 6.56 VOL_2mA_SEQ/SEQ_DONE/1.6/3/0/0/2/@VOL_SEQ_DONE_2MA



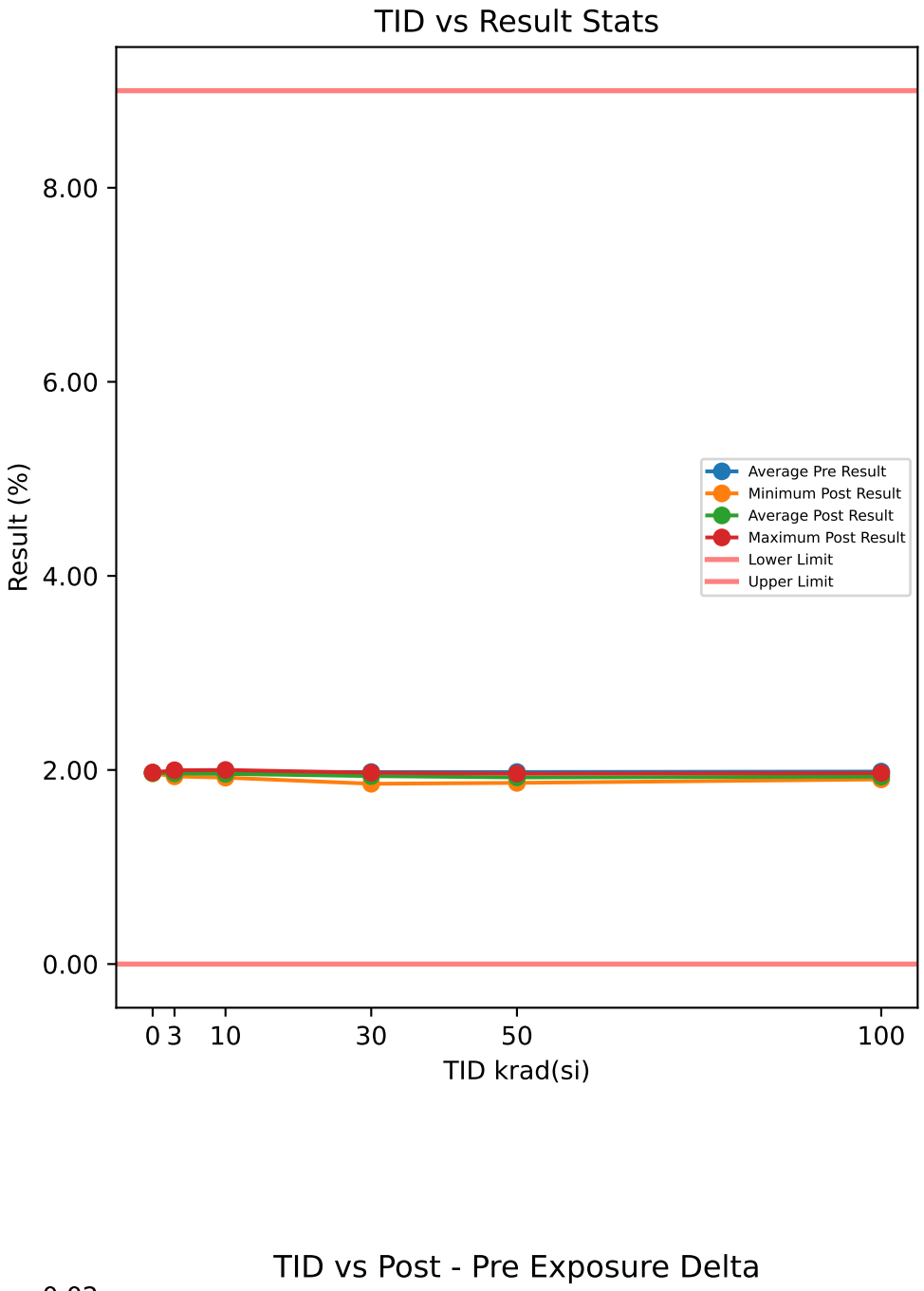

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

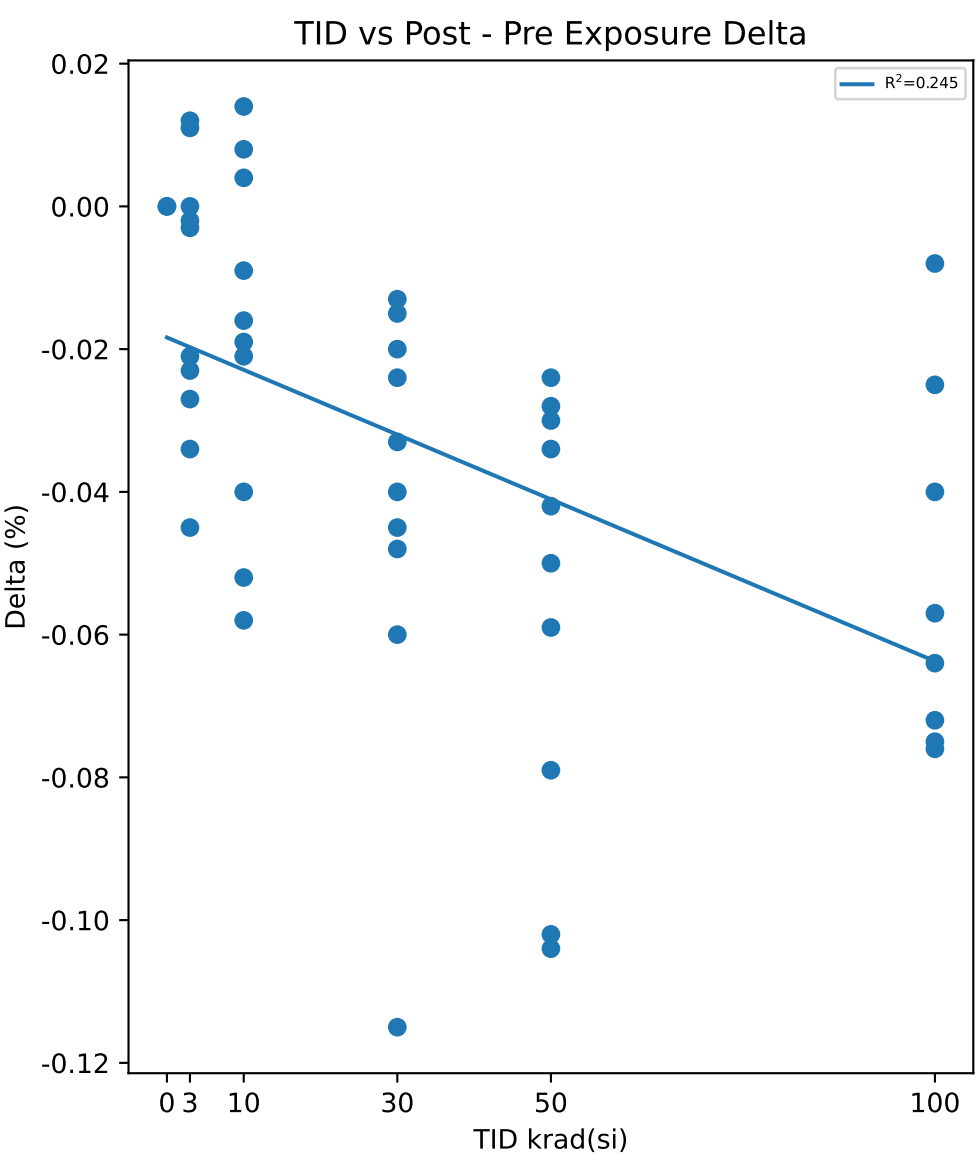
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.979 | 1.979 | 0 |
| 7 | 0 | Correlation | 1.958 | 1.958 | 0 |
| 16 | 3 | LDR-Biased | 1.976 | 1.931 | -0.045 |
| 18 | 3 | LDR-Biased | 1.976 | 1.944 | -0.032 |
| 19 | 3 | LDR-Biased | 1.964 | 1.987 | 0.023 |
| 20 | 3 | LDR-Biased | 1.974 | 1.944 | -0.03 |
| 21 | 3 | LDR-Biased | 1.991 | 1.997 | 0.006 |
| 22 | 3 | LDR-Unbiased | 1.964 | 1.984 | 0.02 |
| 23 | 3 | LDR-Unbiased | 1.973 | 1.974 | 0.001 |
| 25 | 3 | LDR-Unbiased | 1.971 | 1.944 | -0.027 |
| 26 | 3 | LDR-Unbiased | 1.992 | 1.971 | -0.021 |
| 27 | 3 | LDR-Unbiased | 1.975 | 1.992 | 0.017 |
| 46 | 10 | LDR-Biased | 1.976 | 1.91 | -0.066 |
| 48 | 10 | LDR-Biased | 1.976 | 1.918 | -0.058 |
| 49 | 10 | LDR-Biased | 1.964 | 1.959 | -0.005 |
| 50 | 10 | LDR-Biased | 1.974 | 1.919 | -0.055 |
| 51 | 10 | LDR-Biased | 1.991 | 1.974 | -0.017 |
| 52 | 10 | LDR-Unbiased | 1.964 | 1.987 | 0.023 |
| 53 | 10 | LDR-Unbiased | 1.973 | 1.974 | 0.001 |
| 55 | 10 | LDR-Unbiased | 1.971 | 1.943 | -0.028 |
| 56 | 10 | LDR-Unbiased | 1.992 | 1.966 | -0.026 |
| 57 | 10 | LDR-Unbiased | 1.975 | 1.989 | 0.014 |
| 76 | 30 | LDR-Biased | 1.976 | 1.915 | -0.061 |
| 78 | 30 | LDR-Biased | 1.976 | 1.862 | -0.114 |
| 79 | 30 | LDR-Biased | 1.964 | 1.964 | 0 |
| 80 | 30 | LDR-Biased | 1.974 | 1.927 | -0.047 |
| 81 | 30 | LDR-Biased | 1.991 | 1.967 | -0.024 |
| 82 | 30 | LDR-Unbiased | 1.964 | 1.968 | 0.004 |
| 83 | 30 | LDR-Unbiased | 1.973 | 1.955 | -0.018 |
| 84 | 30 | LDR-Unbiased | 1.975 | 1.966 | -0.009 |
| 85 | 30 | LDR-Unbiased | 1.971 | 1.923 | -0.048 |
| 86 | 30 | LDR-Unbiased | 1.992 | 1.949 | -0.043 |
| 87 | 100 | LDR-Biased | 2.001 | 1.918 | -0.083 |
| 88 | 100 | LDR-Biased | 1.988 | 1.965 | -0.023 |
| 90 | 100 | LDR-Biased | 1.98 | 1.969 | -0.011 |
| 91 | 100 | LDR-Unbiased | 1.959 | 1.894 | -0.065 |
| 93 | 100 | LDR-Unbiased | 1.992 | 1.917 | -0.075 |
| 94 | 100 | LDR-Unbiased | 1.978 | 1.931 | -0.047 |
| 95 | 100 | LDR-Unbiased | 1.968 | 1.921 | -0.047 |
| 96 | 100 | LDR-Unbiased | 1.977 | 1.908 | -0.069 |
| 106 | 50 | LDR-Biased | 1.976 | 1.864 | -0.112 |
| 108 | 50 | LDR-Biased | 1.976 | 1.888 | -0.088 |
| 109 | 50 | LDR-Biased | 1.964 | 1.934 | -0.03 |
| 110 | 50 | LDR-Biased | 1.974 | 1.851 | -0.123 |
| 111 | 50 | LDR-Biased | 1.991 | 1.946 | -0.045 |
| 112 | 50 | LDR-Unbiased | 1.964 | 1.947 | -0.017 |
| 113 | 50 | LDR-Unbiased | 1.973 | 1.933 | -0.04 |
| 115 | 50 | LDR-Unbiased | 1.971 | 1.903 | -0.068 |
| 116 | 50 | LDR-Unbiased | 1.992 | 1.932 | -0.06 |
| 117 | 50 | LDR-Unbiased | 1.975 | 1.947 | -0.028 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.958 | 1.9685 | 1.979 | 0.014849 | 1.958 | 1.9685 | 1.979 | 0.014849 | 0 | 0 | 0 | 0 |
| 3 | 1.964 | 1.9756 | 1.992 | 0.0094657 | 1.931 | 1.9668 | 1.997 | 0.023948 | -0.045 | -0.0088 | 0.023 | 0.024943 |
| 10 | 1.964 | 1.9756 | 1.992 | 0.0094657 | 1.91 | 1.9539 | 1.989 | 0.029554 | -0.066 | -0.0217 | 0.023 | 0.030797 |
| 30 | 1.964 | 1.9756 | 1.992 | 0.0094657 | 1.862 | 1.9396 | 1.968 | 0.033725 | -0.114 | -0.036 | 0.004 | 0.035144 |
| 50 | 1.964 | 1.9756 | 1.992 | 0.0094657 | 1.851 | 1.9145 | 1.947 | 0.035824 | -0.123 | -0.0611 | -0.017 | 0.036373 |
| 100 | 1.959 | 1.9804 | 2.001 | 0.013341 | 1.894 | 1.9279 | 1.969 | 0.026417 | -0.083 | -0.0525 | -0.011 | 0.025405 |

# Device Test: 6.57 VOL_2mA_PWRGD/PWRGD/1.6/3/0/0/2/@VOL_PWRGD_2MA



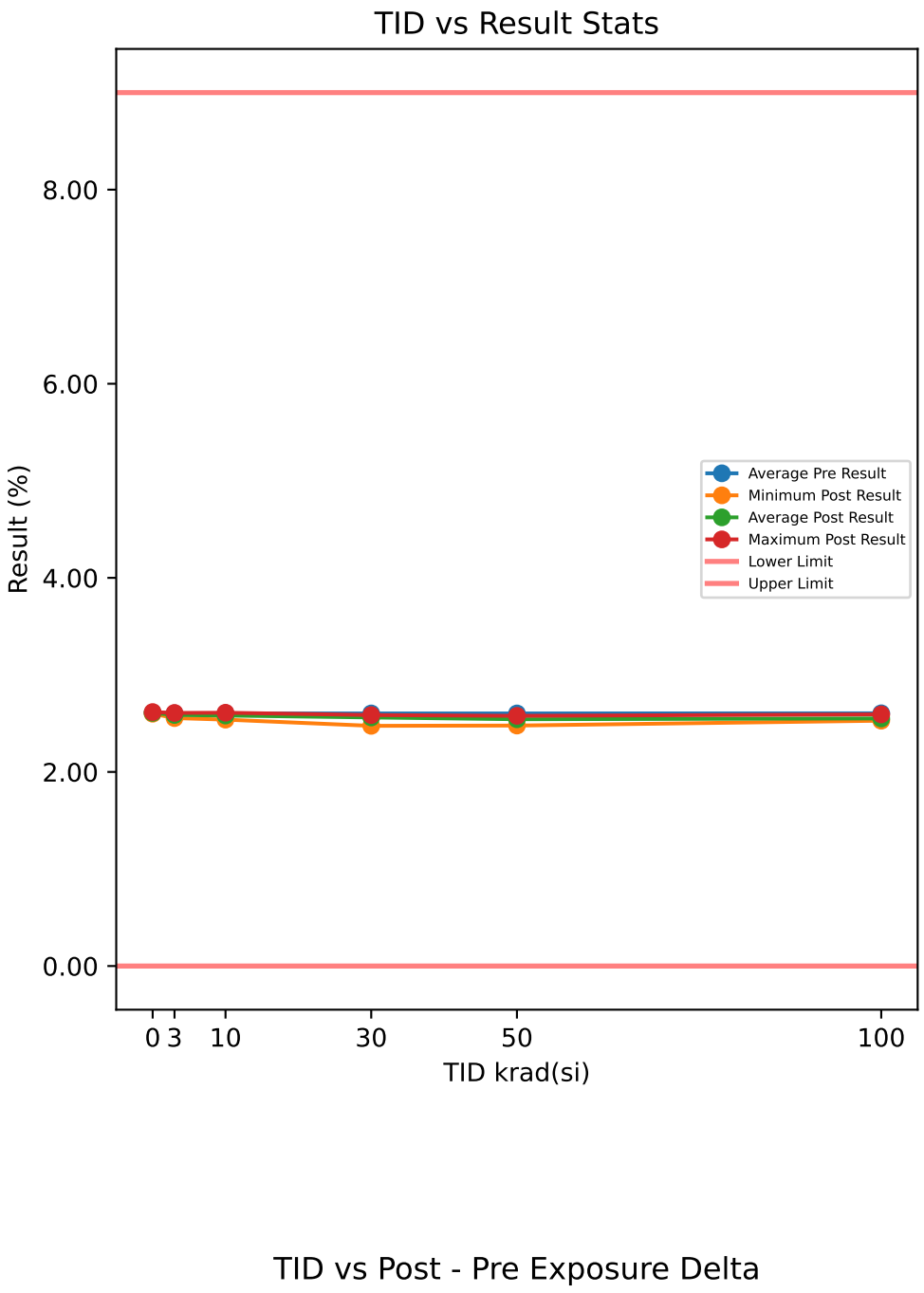

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

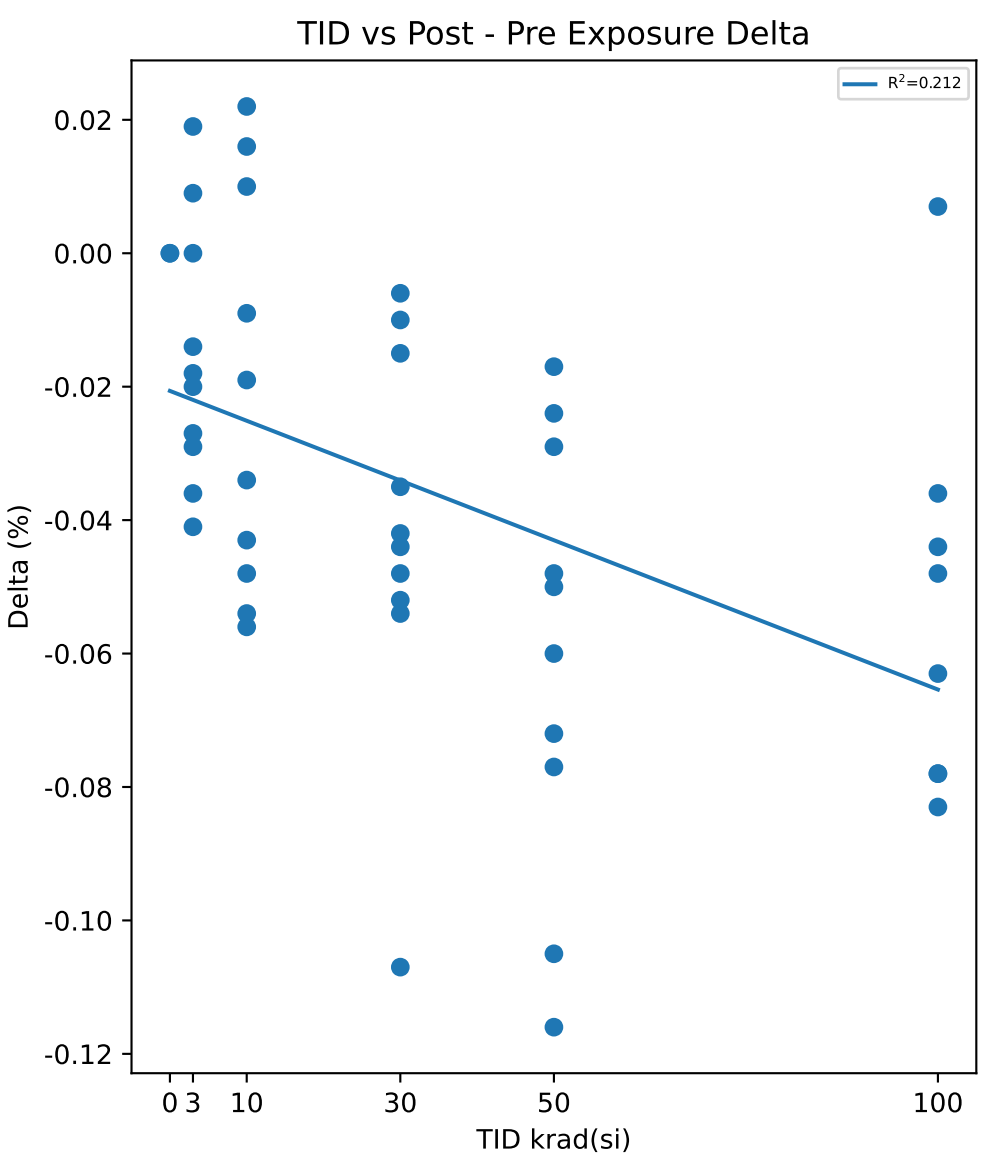
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.974 | 1.974 | 0 |
| 7 | 0 | Correlation | 1.965 | 1.965 | 0 |
| 16 | 3 | LDR-Biased | 1.979 | 1.934 | -0.045 |
| 18 | 3 | LDR-Biased | 1.973 | 1.939 | -0.034 |
| 19 | 3 | LDR-Biased | 1.976 | 1.988 | 0.012 |
| 20 | 3 | LDR-Biased | 1.971 | 1.948 | -0.023 |
| 21 | 3 | LDR-Biased | 1.993 | 1.993 | 0 |
| 22 | 3 | LDR-Unbiased | 1.972 | 1.97 | -0.002 |
| 23 | 3 | LDR-Unbiased | 1.974 | 1.971 | -0.003 |
| 25 | 3 | LDR-Unbiased | 1.974 | 1.947 | -0.027 |
| 26 | 3 | LDR-Unbiased | 1.988 | 1.967 | -0.021 |
| 27 | 3 | LDR-Unbiased | 1.986 | 1.997 | 0.011 |
| 46 | 10 | LDR-Biased | 1.979 | 1.921 | -0.058 |
| 48 | 10 | LDR-Biased | 1.973 | 1.921 | -0.052 |
| 49 | 10 | LDR-Biased | 1.976 | 1.967 | -0.009 |
| 50 | 10 | LDR-Biased | 1.971 | 1.931 | -0.04 |
| 51 | 10 | LDR-Biased | 1.993 | 1.977 | -0.016 |
| 52 | 10 | LDR-Unbiased | 1.972 | 1.98 | 0.008 |
| 53 | 10 | LDR-Unbiased | 1.974 | 1.978 | 0.004 |
| 55 | 10 | LDR-Unbiased | 1.974 | 1.953 | -0.021 |
| 56 | 10 | LDR-Unbiased | 1.988 | 1.969 | -0.019 |
| 57 | 10 | LDR-Unbiased | 1.986 | 2 | 0.014 |
| 76 | 30 | LDR-Biased | 1.979 | 1.919 | -0.06 |
| 78 | 30 | LDR-Biased | 1.973 | 1.858 | -0.115 |
| 79 | 30 | LDR-Biased | 1.976 | 1.963 | -0.013 |
| 80 | 30 | LDR-Biased | 1.971 | 1.931 | -0.04 |
| 81 | 30 | LDR-Biased | 1.993 | 1.96 | -0.033 |
| 82 | 30 | LDR-Unbiased | 1.972 | 1.952 | -0.02 |
| 83 | 30 | LDR-Unbiased | 1.974 | 1.95 | -0.024 |
| 84 | 30 | LDR-Unbiased | 1.986 | 1.971 | -0.015 |
| 85 | 30 | LDR-Unbiased | 1.974 | 1.926 | -0.048 |
| 86 | 30 | LDR-Unbiased | 1.988 | 1.943 | -0.045 |
| 87 | 100 | LDR-Biased | 1.993 | 1.918 | -0.075 |
| 88 | 100 | LDR-Biased | 1.99 | 1.965 | -0.025 |
| 90 | 100 | LDR-Biased | 1.976 | 1.968 | -0.008 |
| 91 | 100 | LDR-Unbiased | 1.967 | 1.903 | -0.064 |
| 93 | 100 | LDR-Unbiased | 1.992 | 1.916 | -0.076 |
| 94 | 100 | LDR-Unbiased | 1.981 | 1.941 | -0.04 |
| 95 | 100 | LDR-Unbiased | 1.978 | 1.921 | -0.057 |
| 96 | 100 | LDR-Unbiased | 1.988 | 1.916 | -0.072 |
| 106 | 50 | LDR-Biased | 1.979 | 1.877 | -0.102 |
| 108 | 50 | LDR-Biased | 1.973 | 1.894 | -0.079 |
| 109 | 50 | LDR-Biased | 1.976 | 1.946 | -0.03 |
| 110 | 50 | LDR-Biased | 1.971 | 1.867 | -0.104 |
| 111 | 50 | LDR-Biased | 1.993 | 1.951 | -0.042 |
| 112 | 50 | LDR-Unbiased | 1.972 | 1.944 | -0.028 |
| 113 | 50 | LDR-Unbiased | 1.974 | 1.94 | -0.034 |
| 115 | 50 | LDR-Unbiased | 1.974 | 1.915 | -0.059 |
| 116 | 50 | LDR-Unbiased | 1.988 | 1.938 | -0.05 |
| 117 | 50 | LDR-Unbiased | 1.986 | 1.962 | -0.024 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.965 | 1.9695 | 1.974 | 0.006364 | 1.965 | 1.9695 | 1.974 | 0.006364 | 0 | 0 | 0 | 0 |
| 3 | 1.971 | 1.9786 | 1.993 | 0.0076913 | 1.934 | 1.9654 | 1.997 | 0.022731 | -0.045 | -0.0132 | 0.012 | 0.019481 |
| 10 | 1.971 | 1.9786 | 1.993 | 0.0076913 | 1.921 | 1.9597 | 2 | 0.027232 | -0.058 | -0.0189 | 0.014 | 0.024745 |
| 30 | 1.971 | 1.9786 | 1.993 | 0.0076913 | 1.858 | 1.9373 | 1.971 | 0.03251 | -0.115 | -0.0413 | -0.013 | 0.030104 |
| 50 | 1.971 | 1.9786 | 1.993 | 0.0076913 | 1.867 | 1.9234 | 1.962 | 0.033241 | -0.104 | -0.0552 | -0.024 | 0.030095 |
| 100 | 1.967 | 1.9831 | 1.993 | 0.009172 | 1.903 | 1.931 | 1.968 | 0.024284 | -0.076 | -0.052125 | -0.008 | 0.025306 |

# Device Test: 6.58 VOL_2mA_EN1/EN1/1.6/14/0/0/2/@VOL_EN_2MA



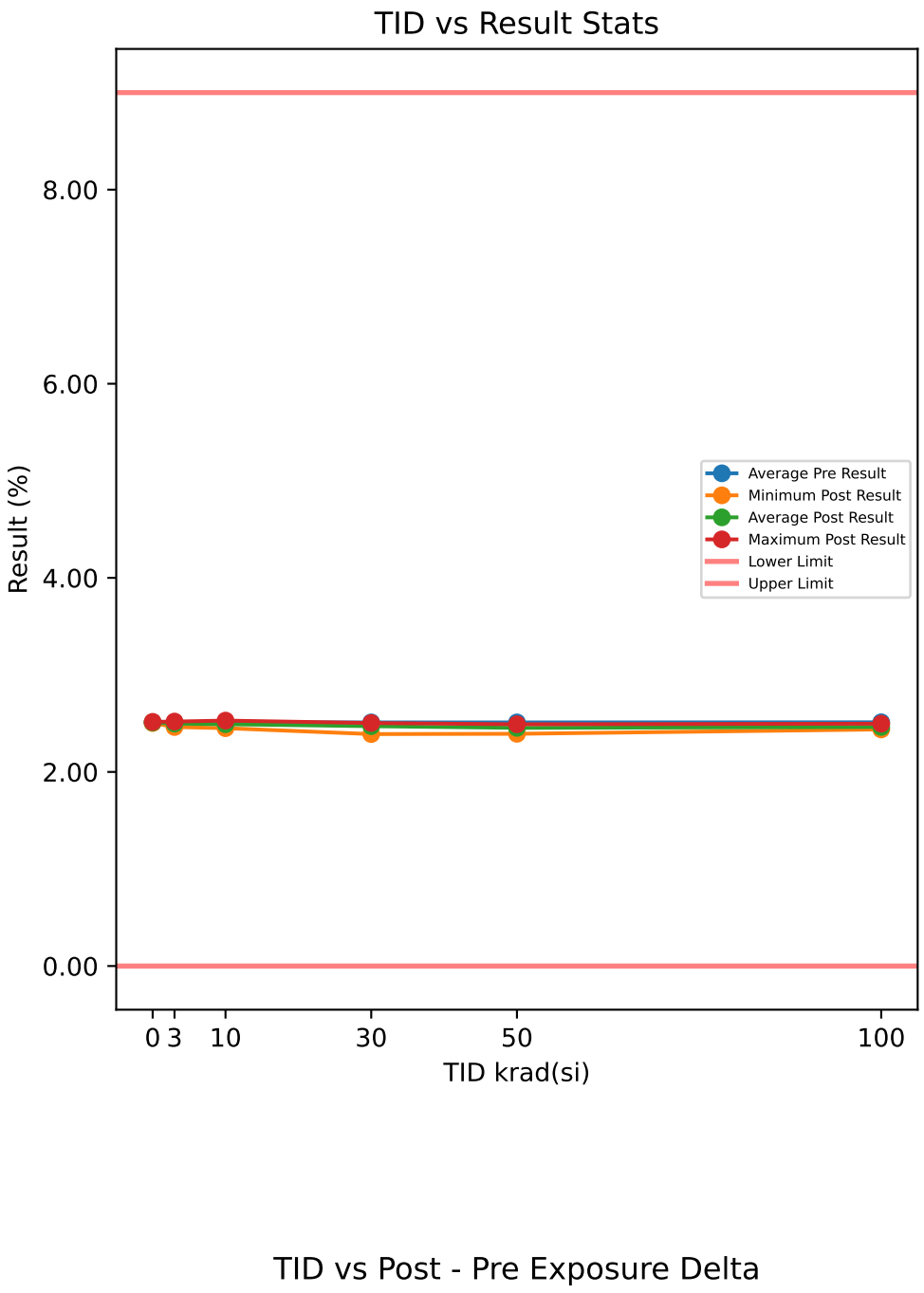

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

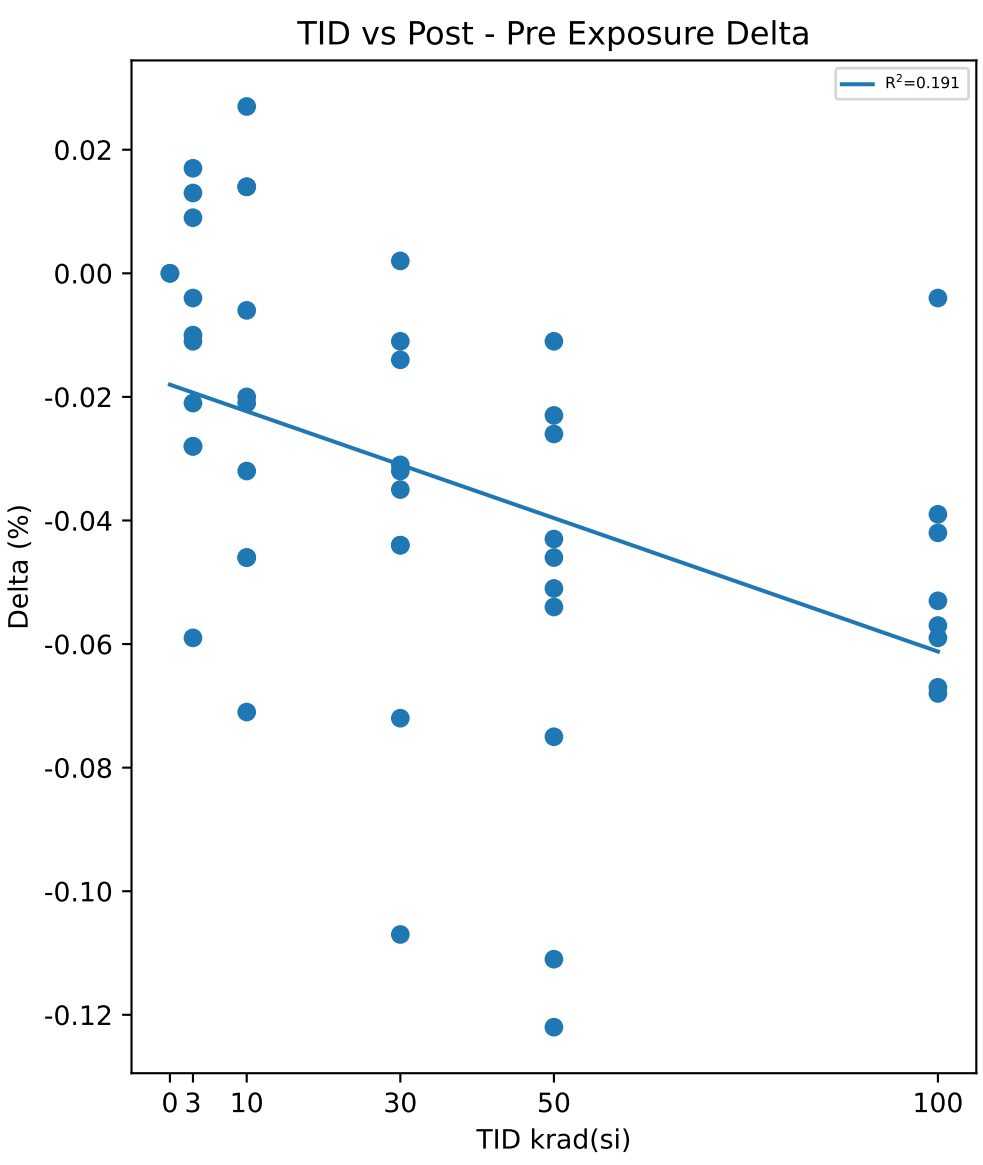
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.6 | 2.6 | 0 |
| 7 | 0 | Correlation | 2.617 | 2.617 | 0 |
| 16 | 3 | LDR-Biased | 2.61 | 2.569 | -0.041 |
| 18 | 3 | LDR-Biased | 2.582 | 2.555 | -0.027 |
| 19 | 3 | LDR-Biased | 2.608 | 2.572 | -0.036 |
| 20 | 3 | LDR-Biased | 2.594 | 2.565 | -0.029 |
| 21 | 3 | LDR-Biased | 2.619 | 2.601 | -0.018 |
| 22 | 3 | LDR-Unbiased | 2.6 | 2.6 | 0 |
| 23 | 3 | LDR-Unbiased | 2.587 | 2.596 | 0.009 |
| 25 | 3 | LDR-Unbiased | 2.614 | 2.6 | -0.014 |
| 26 | 3 | LDR-Unbiased | 2.628 | 2.608 | -0.02 |
| 27 | 3 | LDR-Unbiased | 2.585 | 2.604 | 0.019 |
| 46 | 10 | LDR-Biased | 2.61 | 2.556 | -0.054 |
| 48 | 10 | LDR-Biased | 2.582 | 2.539 | -0.043 |
| 49 | 10 | LDR-Biased | 2.608 | 2.552 | -0.056 |
| 50 | 10 | LDR-Biased | 2.594 | 2.546 | -0.048 |
| 51 | 10 | LDR-Biased | 2.619 | 2.585 | -0.034 |
| 52 | 10 | LDR-Unbiased | 2.6 | 2.61 | 0.01 |
| 53 | 10 | LDR-Unbiased | 2.587 | 2.603 | 0.016 |
| 55 | 10 | LDR-Unbiased | 2.614 | 2.605 | -0.009 |
| 56 | 10 | LDR-Unbiased | 2.628 | 2.609 | -0.019 |
| 57 | 10 | LDR-Unbiased | 2.585 | 2.607 | 0.022 |
| 76 | 30 | LDR-Biased | 2.61 | 2.558 | -0.052 |
| 78 | 30 | LDR-Biased | 2.582 | 2.475 | -0.107 |
| 79 | 30 | LDR-Biased | 2.608 | 2.554 | -0.054 |
| 80 | 30 | LDR-Biased | 2.594 | 2.55 | -0.044 |
| 81 | 30 | LDR-Biased | 2.619 | 2.571 | -0.048 |
| 82 | 30 | LDR-Unbiased | 2.6 | 2.585 | -0.015 |
| 83 | 30 | LDR-Unbiased | 2.587 | 2.577 | -0.01 |
| 84 | 30 | LDR-Unbiased | 2.585 | 2.579 | -0.006 |
| 85 | 30 | LDR-Unbiased | 2.614 | 2.579 | -0.035 |
| 86 | 30 | LDR-Unbiased | 2.628 | 2.586 | -0.042 |
| 87 | 100 | LDR-Biased | 2.623 | 2.545 | -0.078 |
| 88 | 100 | LDR-Biased | 2.625 | 2.589 | -0.036 |
| 90 | 100 | LDR-Biased | 2.586 | 2.593 | 0.007 |
| 91 | 100 | LDR-Unbiased | 2.592 | 2.529 | -0.063 |
| 93 | 100 | LDR-Unbiased | 2.619 | 2.541 | -0.078 |
| 94 | 100 | LDR-Unbiased | 2.611 | 2.528 | -0.083 |
| 95 | 100 | LDR-Unbiased | 2.592 | 2.548 | -0.044 |
| 96 | 100 | LDR-Unbiased | 2.585 | 2.537 | -0.048 |
| 106 | 50 | LDR-Biased | 2.61 | 2.505 | -0.105 |
| 108 | 50 | LDR-Biased | 2.582 | 2.51 | -0.072 |
| 109 | 50 | LDR-Biased | 2.608 | 2.531 | -0.077 |
| 110 | 50 | LDR-Biased | 2.594 | 2.478 | -0.116 |
| 111 | 50 | LDR-Biased | 2.619 | 2.559 | -0.06 |
| 112 | 50 | LDR-Unbiased | 2.6 | 2.571 | -0.029 |
| 113 | 50 | LDR-Unbiased | 2.587 | 2.563 | -0.024 |
| 115 | 50 | LDR-Unbiased | 2.614 | 2.566 | -0.048 |
| 116 | 50 | LDR-Unbiased | 2.628 | 2.578 | -0.05 |
| 117 | 50 | LDR-Unbiased | 2.585 | 2.568 | -0.017 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.6 | 2.6085 | 2.617 | 0.012021 | 2.6 | 2.6085 | 2.617 | 0.012021 | 0 | 0 | 0 | 0 |
| 3 | 2.582 | 2.6027 | 2.628 | 0.015585 | 2.555 | 2.587 | 2.608 | 0.019442 | -0.041 | -0.0157 | 0.019 | 0.019562 |
| 10 | 2.582 | 2.6027 | 2.628 | 0.015585 | 2.539 | 2.5812 | 2.61 | 0.029499 | -0.056 | -0.0215 | 0.022 | 0.029852 |
| 30 | 2.582 | 2.6027 | 2.628 | 0.015585 | 2.475 | 2.5614 | 2.586 | 0.032962 | -0.107 | -0.0413 | -0.006 | 0.029063 |
| 50 | 2.582 | 2.6027 | 2.628 | 0.015585 | 2.478 | 2.5429 | 2.578 | 0.034514 | -0.116 | -0.0598 | -0.017 | 0.033239 |
| 100 | 2.585 | 2.6041 | 2.625 | 0.017108 | 2.528 | 2.5513 | 2.593 | 0.025527 | -0.083 | -0.052875 | 0.007 | 0.029868 |

# Device Test: 6.59 VOL_2mA_EN2/EN2/1.6/14/0/0/2/@VOL_EN_2MA



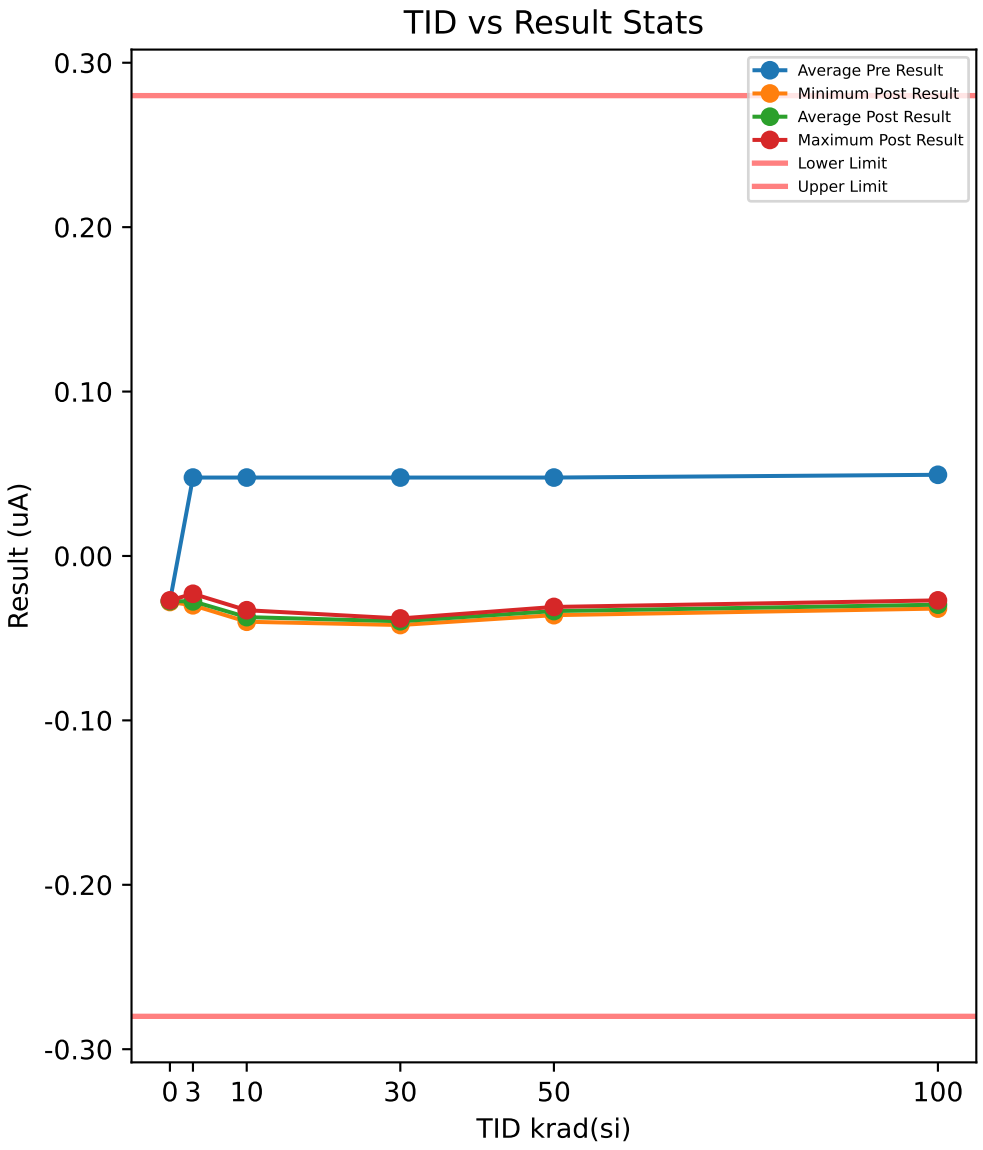

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

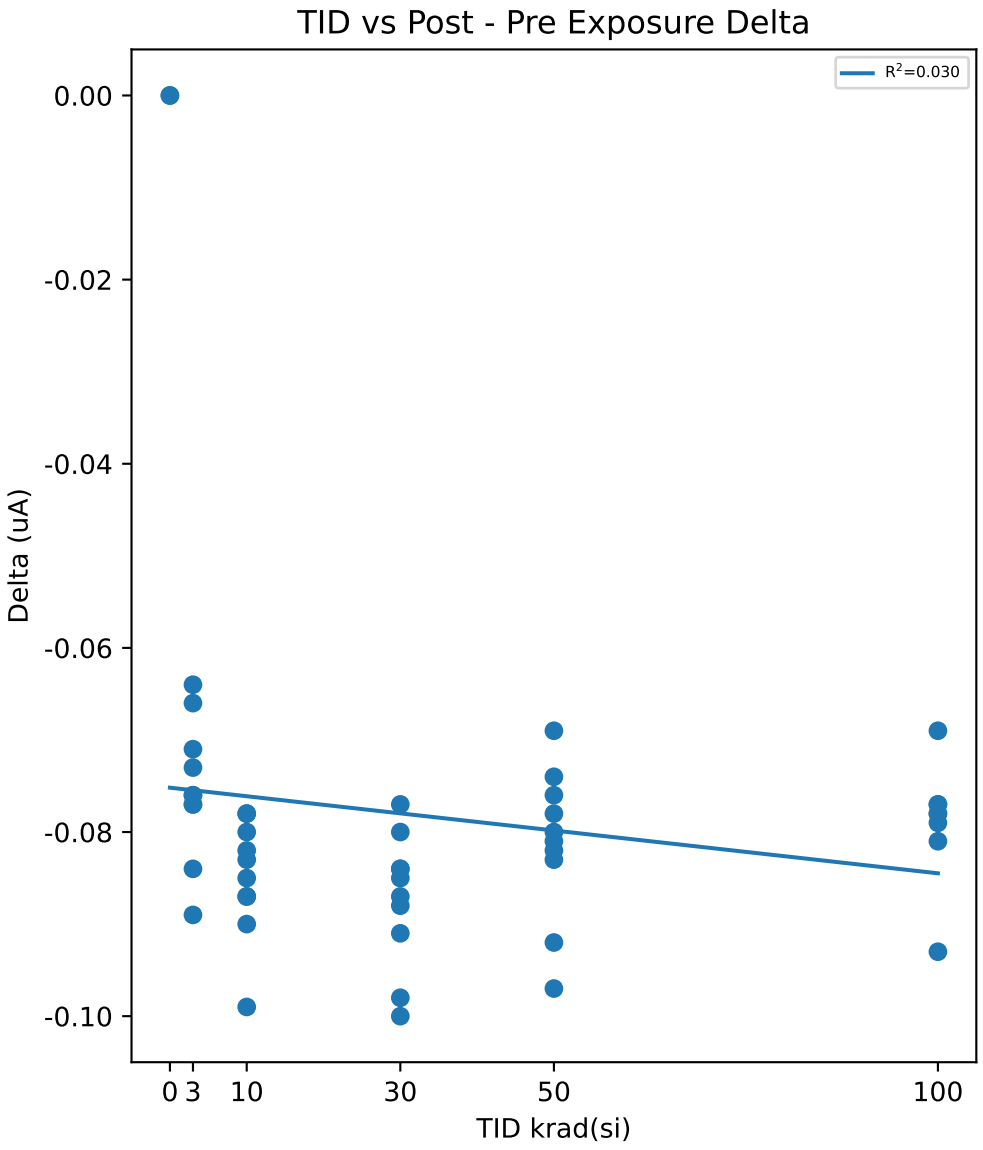
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.504 | 2.504 | 0 |
| 7 | 0 | Correlation | 2.516 | 2.516 | 0 |
| 16 | 3 | LDR-Biased | 2.522 | 2.463 | -0.059 |
| 18 | 3 | LDR-Biased | 2.497 | 2.469 | -0.028 |
| 19 | 3 | LDR-Biased | 2.515 | 2.504 | -0.011 |
| 20 | 3 | LDR-Biased | 2.504 | 2.476 | -0.028 |
| 21 | 3 | LDR-Biased | 2.518 | 2.514 | -0.004 |
| 22 | 3 | LDR-Unbiased | 2.502 | 2.519 | 0.017 |
| 23 | 3 | LDR-Unbiased | 2.506 | 2.515 | 0.009 |
| 25 | 3 | LDR-Unbiased | 2.509 | 2.499 | -0.01 |
| 26 | 3 | LDR-Unbiased | 2.531 | 2.51 | -0.021 |
| 27 | 3 | LDR-Unbiased | 2.499 | 2.512 | 0.013 |
| 46 | 10 | LDR-Biased | 2.522 | 2.451 | -0.071 |
| 48 | 10 | LDR-Biased | 2.497 | 2.451 | -0.046 |
| 49 | 10 | LDR-Biased | 2.515 | 2.483 | -0.032 |
| 50 | 10 | LDR-Biased | 2.504 | 2.458 | -0.046 |
| 51 | 10 | LDR-Biased | 2.518 | 2.498 | -0.02 |
| 52 | 10 | LDR-Unbiased | 2.502 | 2.529 | 0.027 |
| 53 | 10 | LDR-Unbiased | 2.506 | 2.52 | 0.014 |
| 55 | 10 | LDR-Unbiased | 2.509 | 2.503 | -0.006 |
| 56 | 10 | LDR-Unbiased | 2.531 | 2.51 | -0.021 |
| 57 | 10 | LDR-Unbiased | 2.499 | 2.513 | 0.014 |
| 76 | 30 | LDR-Biased | 2.522 | 2.45 | -0.072 |
| 78 | 30 | LDR-Biased | 2.497 | 2.39 | -0.107 |
| 79 | 30 | LDR-Biased | 2.515 | 2.484 | -0.031 |
| 80 | 30 | LDR-Biased | 2.504 | 2.46 | -0.044 |
| 81 | 30 | LDR-Biased | 2.518 | 2.483 | -0.035 |
| 82 | 30 | LDR-Unbiased | 2.502 | 2.504 | 0.002 |
| 83 | 30 | LDR-Unbiased | 2.506 | 2.495 | -0.011 |
| 84 | 30 | LDR-Unbiased | 2.499 | 2.485 | -0.014 |
| 85 | 30 | LDR-Unbiased | 2.509 | 2.477 | -0.032 |
| 86 | 30 | LDR-Unbiased | 2.531 | 2.487 | -0.044 |
| 87 | 100 | LDR-Biased | 2.52 | 2.452 | -0.068 |
| 88 | 100 | LDR-Biased | 2.537 | 2.495 | -0.042 |
| 90 | 100 | LDR-Biased | 2.501 | 2.497 | -0.004 |
| 91 | 100 | LDR-Unbiased | 2.495 | 2.438 | -0.057 |
| 93 | 100 | LDR-Unbiased | 2.518 | 2.459 | -0.059 |
| 94 | 100 | LDR-Unbiased | 2.524 | 2.457 | -0.067 |
| 95 | 100 | LDR-Unbiased | 2.498 | 2.459 | -0.039 |
| 96 | 100 | LDR-Unbiased | 2.5 | 2.447 | -0.053 |
| 106 | 50 | LDR-Biased | 2.522 | 2.4 | -0.122 |
| 108 | 50 | LDR-Biased | 2.497 | 2.422 | -0.075 |
| 109 | 50 | LDR-Biased | 2.515 | 2.461 | -0.054 |
| 110 | 50 | LDR-Biased | 2.504 | 2.393 | -0.111 |
| 111 | 50 | LDR-Biased | 2.518 | 2.472 | -0.046 |
| 112 | 50 | LDR-Unbiased | 2.502 | 2.491 | -0.011 |
| 113 | 50 | LDR-Unbiased | 2.506 | 2.48 | -0.026 |
| 115 | 50 | LDR-Unbiased | 2.509 | 2.466 | -0.043 |
| 116 | 50 | LDR-Unbiased | 2.531 | 2.48 | -0.051 |
| 117 | 50 | LDR-Unbiased | 2.499 | 2.476 | -0.023 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.504 | 2.51 | 2.516 | 0.0084853 | 2.504 | 2.51 | 2.516 | 0.0084853 | 0 | 0 | 0 | 0 |
| 3 | 2.497 | 2.5103 | 2.531 | 0.010955 | 2.463 | 2.4981 | 2.519 | 0.020851 | -0.059 | -0.0122 | 0.017 | 0.02304 |
| 10 | 2.497 | 2.5103 | 2.531 | 0.010955 | 2.451 | 2.4916 | 2.529 | 0.029197 | -0.071 | -0.0187 | 0.027 | 0.031266 |
| 30 | 2.497 | 2.5103 | 2.531 | 0.010955 | 2.39 | 2.4715 | 2.504 | 0.032637 | -0.107 | -0.0388 | 0.002 | 0.03159 |
| 50 | 2.497 | 2.5103 | 2.531 | 0.010955 | 2.393 | 2.4541 | 2.491 | 0.035564 | -0.122 | -0.0562 | -0.011 | 0.036596 |
| 100 | 2.495 | 2.5116 | 2.537 | 0.015203 | 2.438 | 2.463 | 2.497 | 0.021547 | -0.068 | -0.048625 | -0.004 | 0.020832 |

# Device Test: 6.6 ILKG_SR_FAULTb/ILKG_SR_FAULTb//3/0/0/0/@SR_FAULT_ILKG




Test Results (Lower Limit = -0.28, Upper Limit = 0.28 (uA))

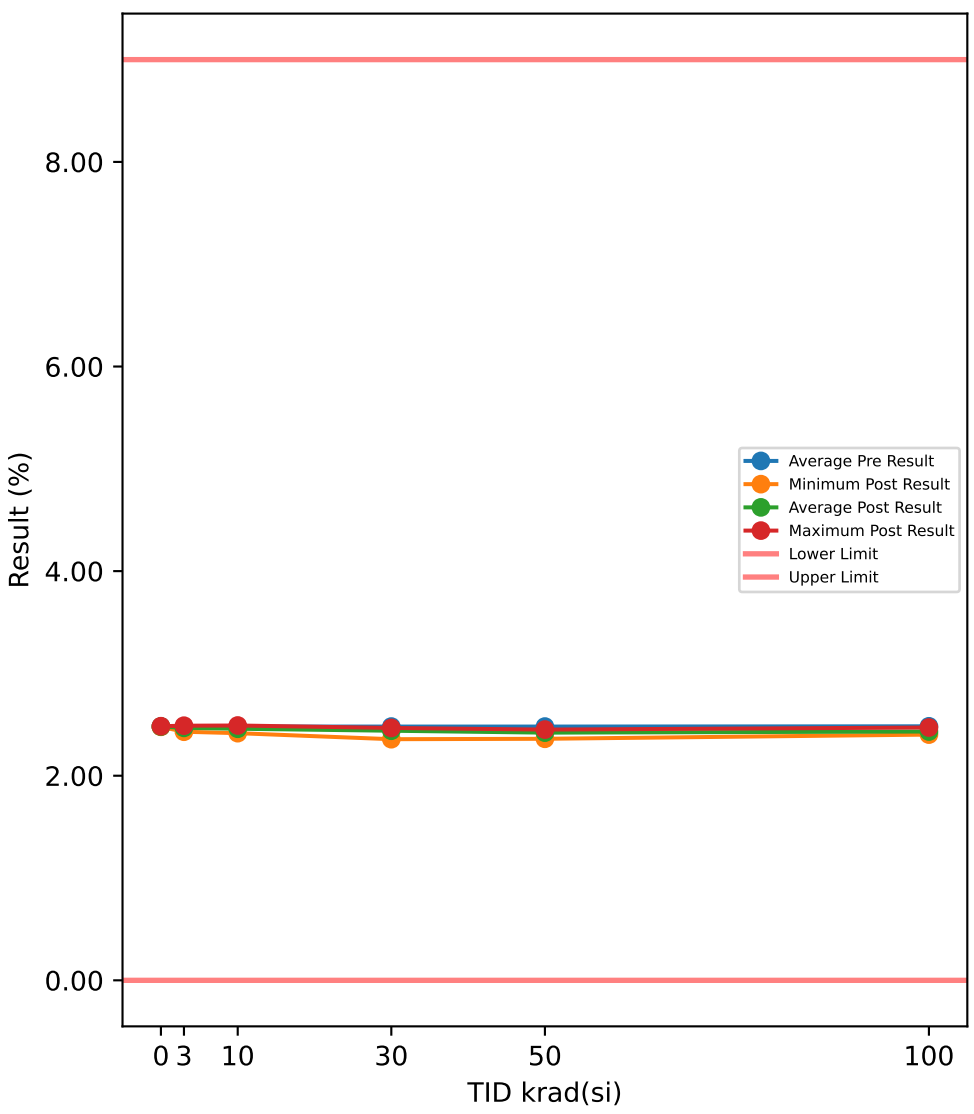
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | -0.027 | -0.027 | 0 |
| 7 | 0 | Correlation | -0.028 | -0.028 | 0 |
| 16 | 3 | LDR-Biased | 0.044 | -0.029 | -0.073 |
| 18 | 3 | LDR-Biased | 0.046 | -0.03 | -0.076 |
| 19 | 3 | LDR-Biased | 0.049 | -0.028 | -0.077 |
| 20 | 3 | LDR-Biased | 0.061 | -0.028 | -0.089 |
| 21 | 3 | LDR-Biased | 0.041 | -0.023 | -0.064 |
| 22 | 3 | LDR-Unbiased | 0.057 | -0.027 | -0.084 |
| 23 | 3 | LDR-Unbiased | 0.048 | -0.028 | -0.076 |
| 25 | 3 | LDR-Unbiased | 0.044 | -0.027 | -0.071 |
| 26 | 3 | LDR-Unbiased | 0.038 | -0.028 | -0.066 |
| 27 | 3 | LDR-Unbiased | 0.049 | -0.028 | -0.077 |
| 46 | 10 | LDR-Biased | 0.044 | -0.036 | -0.08 |
| 48 | 10 | LDR-Biased | 0.046 | -0.037 | -0.083 |
| 49 | 10 | LDR-Biased | 0.049 | -0.038 | -0.087 |
| 50 | 10 | LDR-Biased | 0.061 | -0.038 | -0.099 |
| 51 | 10 | LDR-Biased | 0.041 | -0.037 | -0.078 |
| 52 | 10 | LDR-Unbiased | 0.057 | -0.033 | -0.09 |
| 53 | 10 | LDR-Unbiased | 0.048 | -0.037 | -0.085 |
| 55 | 10 | LDR-Unbiased | 0.044 | -0.038 | -0.082 |
| 56 | 10 | LDR-Unbiased | 0.038 | -0.04 | -0.078 |
| 57 | 10 | LDR-Unbiased | 0.049 | -0.038 | -0.087 |
| 76 | 30 | LDR-Biased | 0.044 | -0.041 | -0.085 |
| 78 | 30 | LDR-Biased | 0.046 | -0.038 | -0.084 |
| 79 | 30 | LDR-Biased | 0.049 | -0.042 | -0.091 |
| 80 | 30 | LDR-Biased | 0.061 | -0.039 | -0.1 |
| 81 | 30 | LDR-Biased | 0.041 | -0.039 | -0.08 |
| 82 | 30 | LDR-Unbiased | 0.057 | -0.041 | -0.098 |
| 83 | 30 | LDR-Unbiased | 0.048 | -0.04 | -0.088 |
| 84 | 30 | LDR-Unbiased | 0.049 | -0.038 | -0.087 |
| 85 | 30 | LDR-Unbiased | 0.044 | -0.04 | -0.084 |
| 86 | 30 | LDR-Unbiased | 0.038 | -0.039 | -0.077 |
| 87 | 100 | LDR-Biased | 0.04 | -0.029 | -0.069 |
| 88 | 100 | LDR-Biased | 0.05 | -0.028 | -0.078 |
| 90 | 100 | LDR-Biased | 0.05 | -0.031 | -0.081 |
| 91 | 100 | LDR-Unbiased | 0.061 | -0.032 | -0.093 |
| 93 | 100 | LDR-Unbiased | 0.045 | -0.032 | -0.077 |
| 94 | 100 | LDR-Unbiased | 0.049 | -0.029 | -0.078 |
| 95 | 100 | LDR-Unbiased | 0.05 | -0.027 | -0.077 |
| 96 | 100 | LDR-Unbiased | 0.05 | -0.029 | -0.079 |
| 106 | 50 | LDR-Biased | 0.044 | -0.032 | -0.076 |
| 108 | 50 | LDR-Biased | 0.046 | -0.034 | -0.08 |
| 109 | 50 | LDR-Biased | 0.049 | -0.032 | -0.081 |
| 110 | 50 | LDR-Biased | 0.061 | -0.036 | -0.097 |
| 111 | 50 | LDR-Biased | 0.041 | -0.033 | -0.074 |
| 112 | 50 | LDR-Unbiased | 0.057 | -0.035 | -0.092 |
| 113 | 50 | LDR-Unbiased | 0.048 | -0.034 | -0.082 |
| 115 | 50 | LDR-Unbiased | 0.044 | -0.034 | -0.078 |
| 116 | 50 | LDR-Unbiased | 0.038 | -0.031 | -0.069 |
| 117 | 50 | LDR-Unbiased | 0.049 | -0.034 | -0.083 |

Test Statistics (uA)

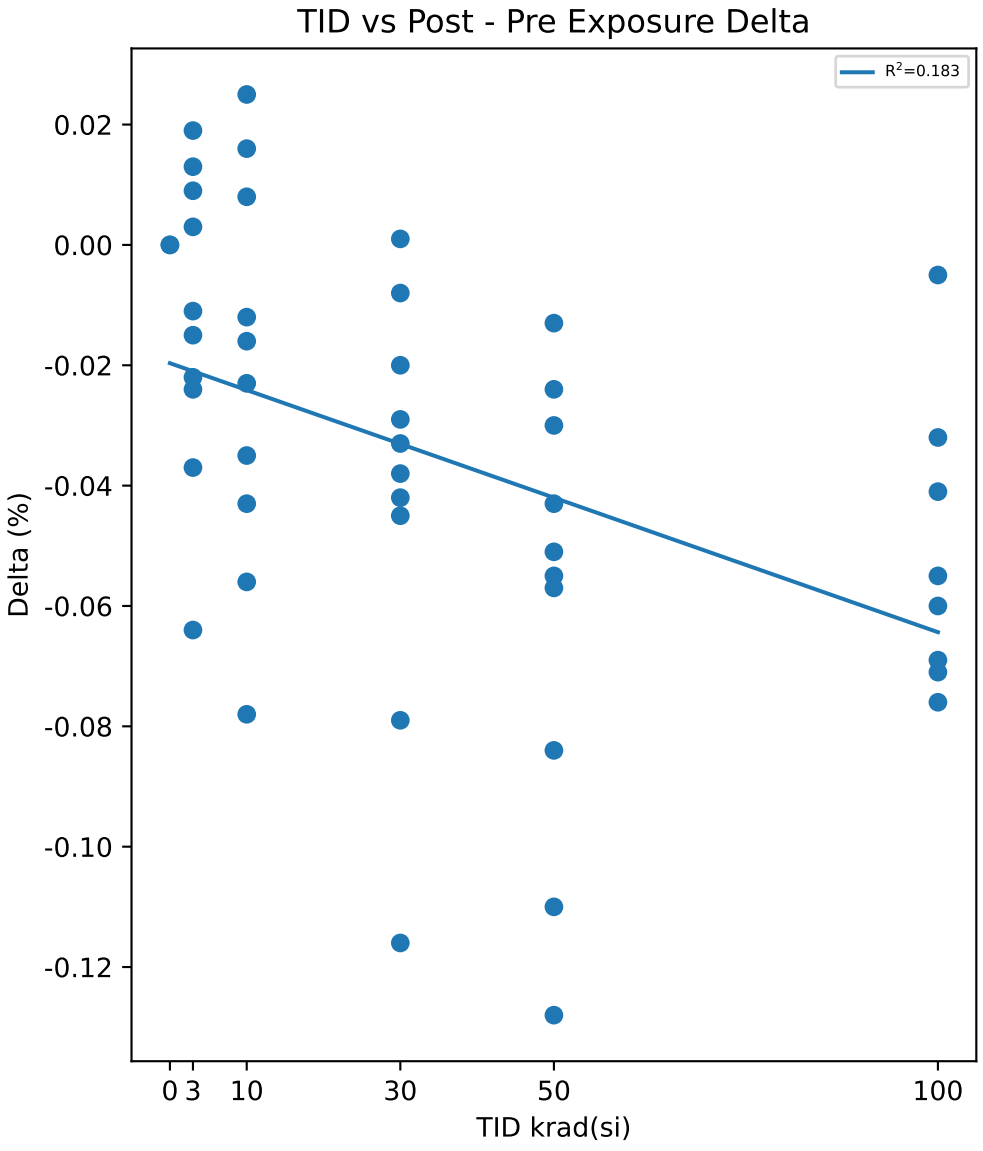
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | -0.028 | -0.0275 | -0.027 | 0.00070711 | -0.028 | -0.0275 | -0.027 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.038 | 0.0477 | 0.061 | 0.006961 | -0.03 | -0.0276 | -0.023 | 0.0018379 | -0.089 | -0.0753 | -0.064 | 0.0075137 |
| 10 | 0.038 | 0.0477 | 0.061 | 0.006961 | -0.04 | -0.0372 | -0.033 | 0.0018135 | -0.099 | -0.0849 | -0.078 | 0.0063675 |
| 30 | 0.038 | 0.0477 | 0.061 | 0.006961 | -0.042 | -0.0397 | -0.038 | 0.0013375 | -0.1 | -0.0874 | -0.077 | 0.0072755 |
| 50 | 0.038 | 0.0477 | 0.061 | 0.006961 | -0.036 | -0.0335 | -0.031 | 0.0015092 | -0.097 | -0.0812 | -0.069 | 0.00823 |
| 100 | 0.04 | 0.049375 | 0.061 | 0.0059025 | -0.032 | -0.029625 | -0.027 | 0.0018468 | -0.093 | -0.079 | -0.069 | 0.0066548 |

# Device Test: 6.60 VOL_2mA_EN3/EN3/1.6/14/0/0/2/@VOL_EN_2MA

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



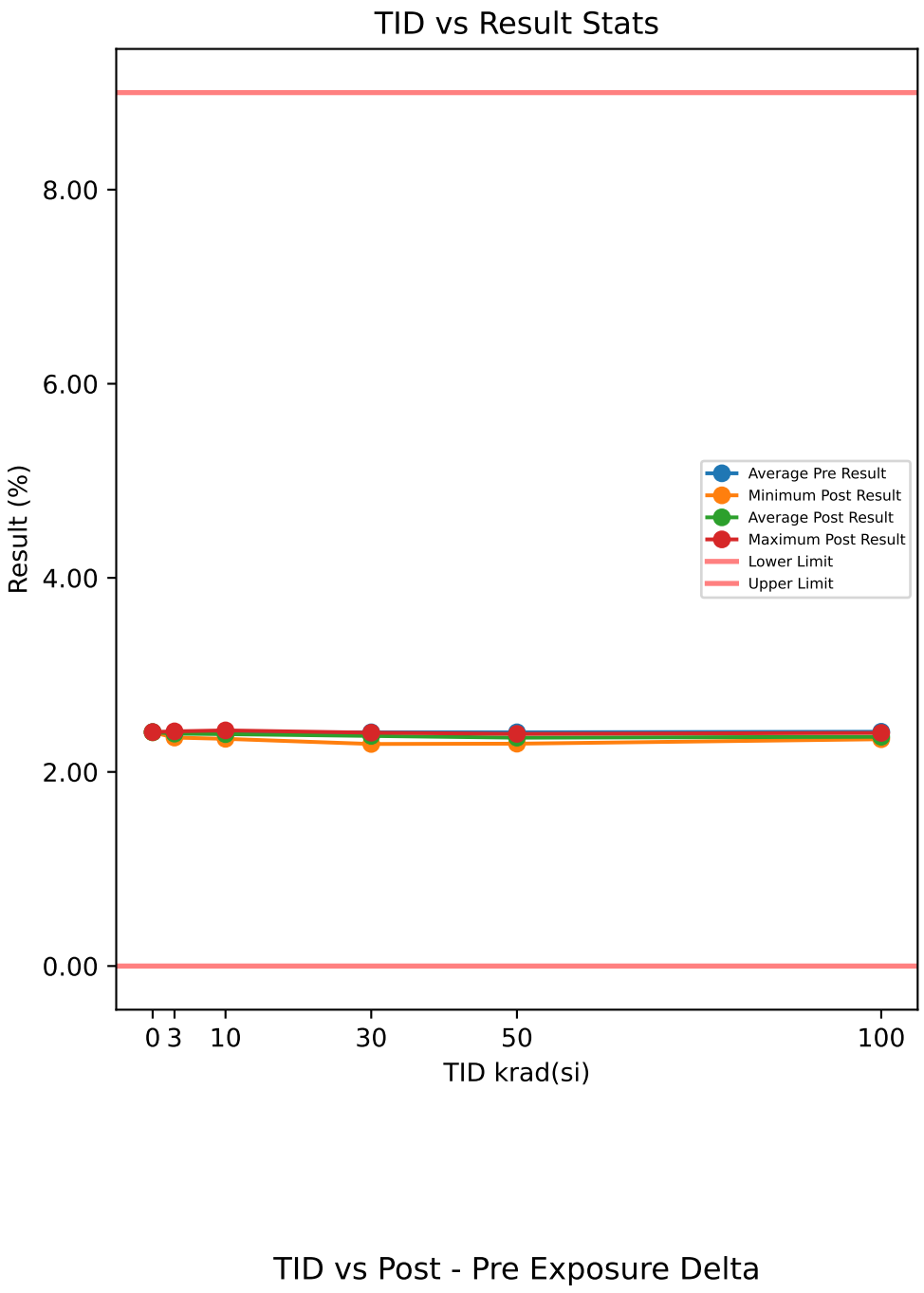

## Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

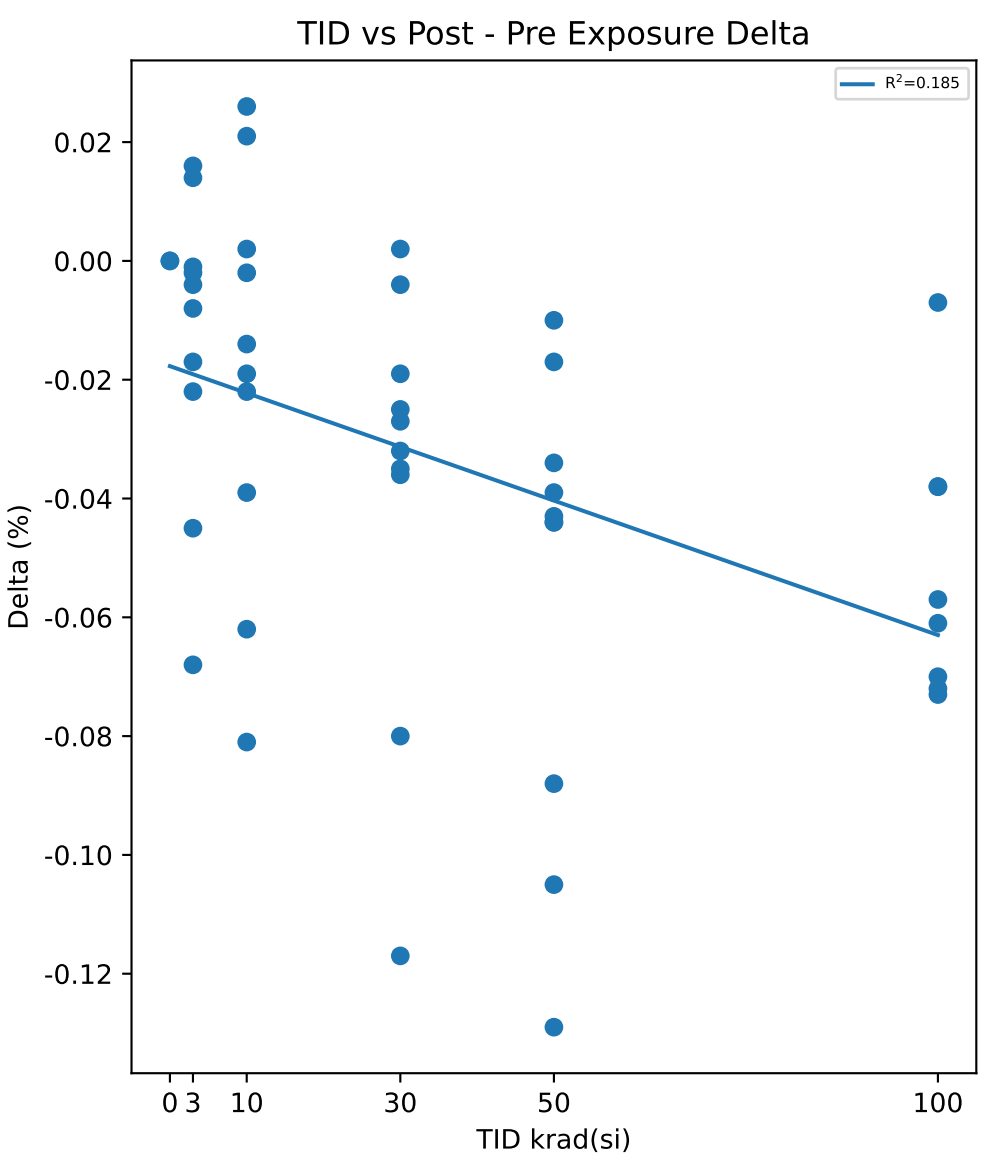
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.478 | 2.478 | 0 |
| 7 | 0 | Correlation | 2.484 | 2.484 | 0 |
| 16 | 3 | LDR-Biased | 2.494 | 2.43 | -0.064 |
| 18 | 3 | LDR-Biased | 2.473 | 2.436 | -0.037 |
| 19 | 3 | LDR-Biased | 2.49 | 2.479 | -0.011 |
| 20 | 3 | LDR-Biased | 2.471 | 2.447 | -0.024 |
| 21 | 3 | LDR-Biased | 2.486 | 2.489 | 0.003 |
| 22 | 3 | LDR-Unbiased | 2.464 | 2.483 | 0.019 |
| 23 | 3 | LDR-Unbiased | 2.475 | 2.488 | 0.013 |
| 25 | 3 | LDR-Unbiased | 2.478 | 2.463 | -0.015 |
| 26 | 3 | LDR-Unbiased | 2.501 | 2.479 | -0.022 |
| 27 | 3 | LDR-Unbiased | 2.474 | 2.483 | 0.009 |
| 46 | 10 | LDR-Biased | 2.494 | 2.416 | -0.078 |
| 48 | 10 | LDR-Biased | 2.473 | 2.417 | -0.056 |
| 49 | 10 | LDR-Biased | 2.49 | 2.455 | -0.035 |
| 50 | 10 | LDR-Biased | 2.471 | 2.428 | -0.043 |
| 51 | 10 | LDR-Biased | 2.486 | 2.47 | -0.016 |
| 52 | 10 | LDR-Unbiased | 2.464 | 2.489 | 0.025 |
| 53 | 10 | LDR-Unbiased | 2.475 | 2.491 | 0.016 |
| 55 | 10 | LDR-Unbiased | 2.478 | 2.466 | -0.012 |
| 56 | 10 | LDR-Unbiased | 2.501 | 2.478 | -0.023 |
| 57 | 10 | LDR-Unbiased | 2.474 | 2.482 | 0.008 |
| 76 | 30 | LDR-Biased | 2.494 | 2.415 | -0.079 |
| 78 | 30 | LDR-Biased | 2.473 | 2.357 | -0.116 |
| 79 | 30 | LDR-Biased | 2.49 | 2.457 | -0.033 |
| 80 | 30 | LDR-Biased | 2.471 | 2.429 | -0.042 |
| 81 | 30 | LDR-Biased | 2.486 | 2.457 | -0.029 |
| 82 | 30 | LDR-Unbiased | 2.464 | 2.465 | 0.001 |
| 83 | 30 | LDR-Unbiased | 2.475 | 2.467 | -0.008 |
| 84 | 30 | LDR-Unbiased | 2.474 | 2.454 | -0.02 |
| 85 | 30 | LDR-Unbiased | 2.478 | 2.44 | -0.038 |
| 86 | 30 | LDR-Unbiased | 2.501 | 2.456 | -0.045 |
| 87 | 100 | LDR-Biased | 2.5 | 2.424 | -0.076 |
| 88 | 100 | LDR-Biased | 2.508 | 2.467 | -0.041 |
| 90 | 100 | LDR-Biased | 2.476 | 2.471 | -0.005 |
| 91 | 100 | LDR-Unbiased | 2.457 | 2.402 | -0.055 |
| 93 | 100 | LDR-Unbiased | 2.487 | 2.427 | -0.06 |
| 94 | 100 | LDR-Unbiased | 2.496 | 2.425 | -0.071 |
| 95 | 100 | LDR-Unbiased | 2.466 | 2.434 | -0.032 |
| 96 | 100 | LDR-Unbiased | 2.475 | 2.406 | -0.069 |
| 106 | 50 | LDR-Biased | 2.494 | 2.366 | -0.128 |
| 108 | 50 | LDR-Biased | 2.473 | 2.389 | -0.084 |
| 109 | 50 | LDR-Biased | 2.49 | 2.433 | -0.057 |
| 110 | 50 | LDR-Biased | 2.471 | 2.361 | -0.11 |
| 111 | 50 | LDR-Biased | 2.486 | 2.443 | -0.043 |
| 112 | 50 | LDR-Unbiased | 2.464 | 2.451 | -0.013 |
| 113 | 50 | LDR-Unbiased | 2.475 | 2.451 | -0.024 |
| 115 | 50 | LDR-Unbiased | 2.478 | 2.427 | -0.051 |
| 116 | 50 | LDR-Unbiased | 2.501 | 2.446 | -0.055 |
| 117 | 50 | LDR-Unbiased | 2.474 | 2.444 | -0.03 |

## Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.478 | 2.481 | 2.484 | 0.0042426 | 2.478 | 2.481 | 2.484 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 2.464 | 2.4806 | 2.501 | 0.011645 | 2.43 | 2.4677 | 2.489 | 0.022276 | -0.064 | -0.0129 | 0.019 | 0.025445 |
| 10 | 2.464 | 2.4806 | 2.501 | 0.011645 | 2.416 | 2.4592 | 2.491 | 0.029009 | -0.078 | -0.0214 | 0.025 | 0.03264 |
| 30 | 2.464 | 2.4806 | 2.501 | 0.011645 | 2.357 | 2.4397 | 2.467 | 0.033363 | -0.116 | -0.0409 | 0.001 | 0.034314 |
| 50 | 2.464 | 2.4806 | 2.501 | 0.011645 | 2.361 | 2.4211 | 2.451 | 0.035382 | -0.128 | -0.0595 | -0.013 | 0.037277 |
| 100 | 2.457 | 2.4831 | 2.508 | 0.017635 | 2.402 | 2.432 | 2.471 | 0.025253 | -0.076 | -0.051125 | -0.005 | 0.023973 |

# Device Test: 6.61 VOL_2mA_EN4/EN4/1.6/14/0/0/2/@VOL_EN_2MA



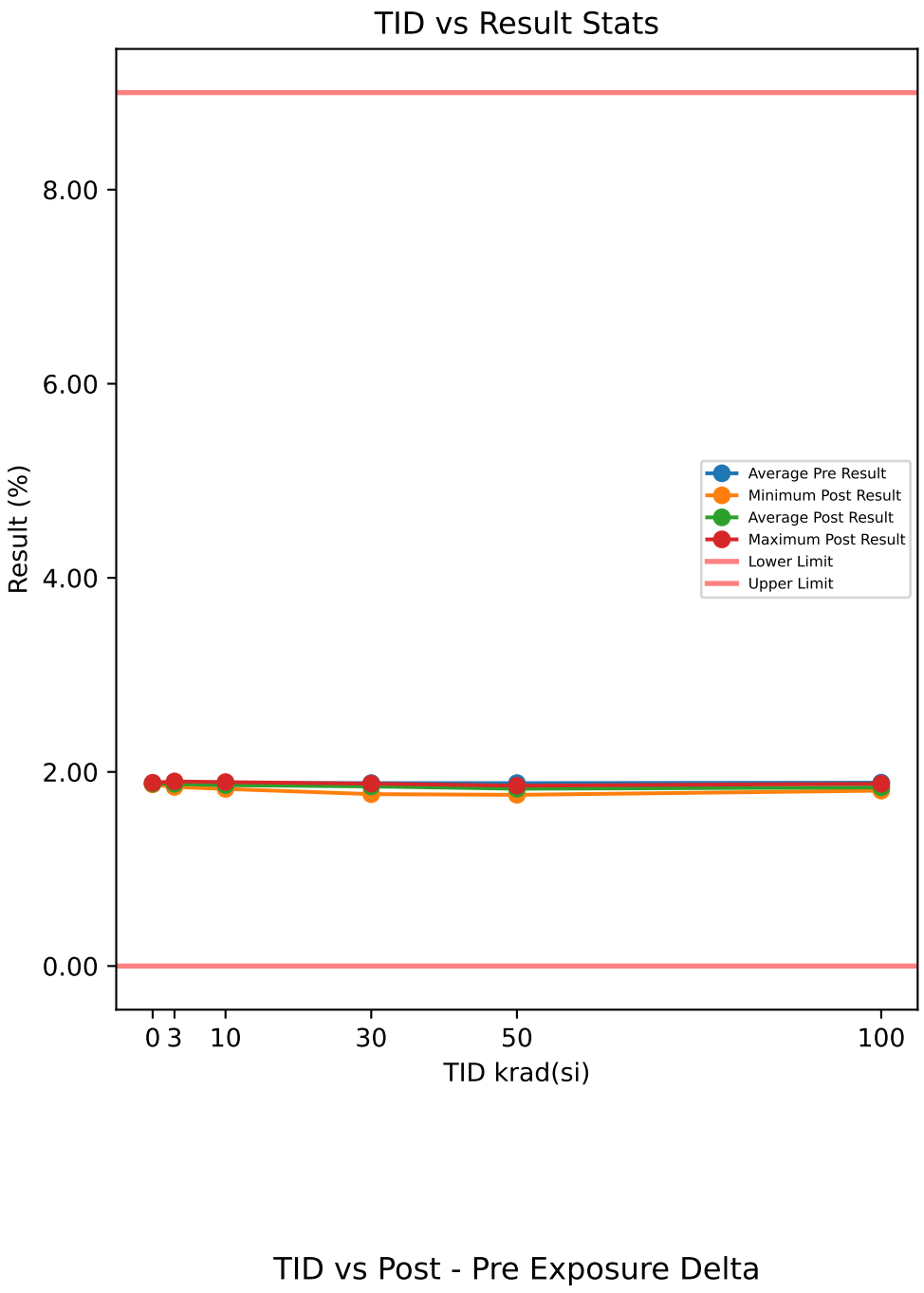

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

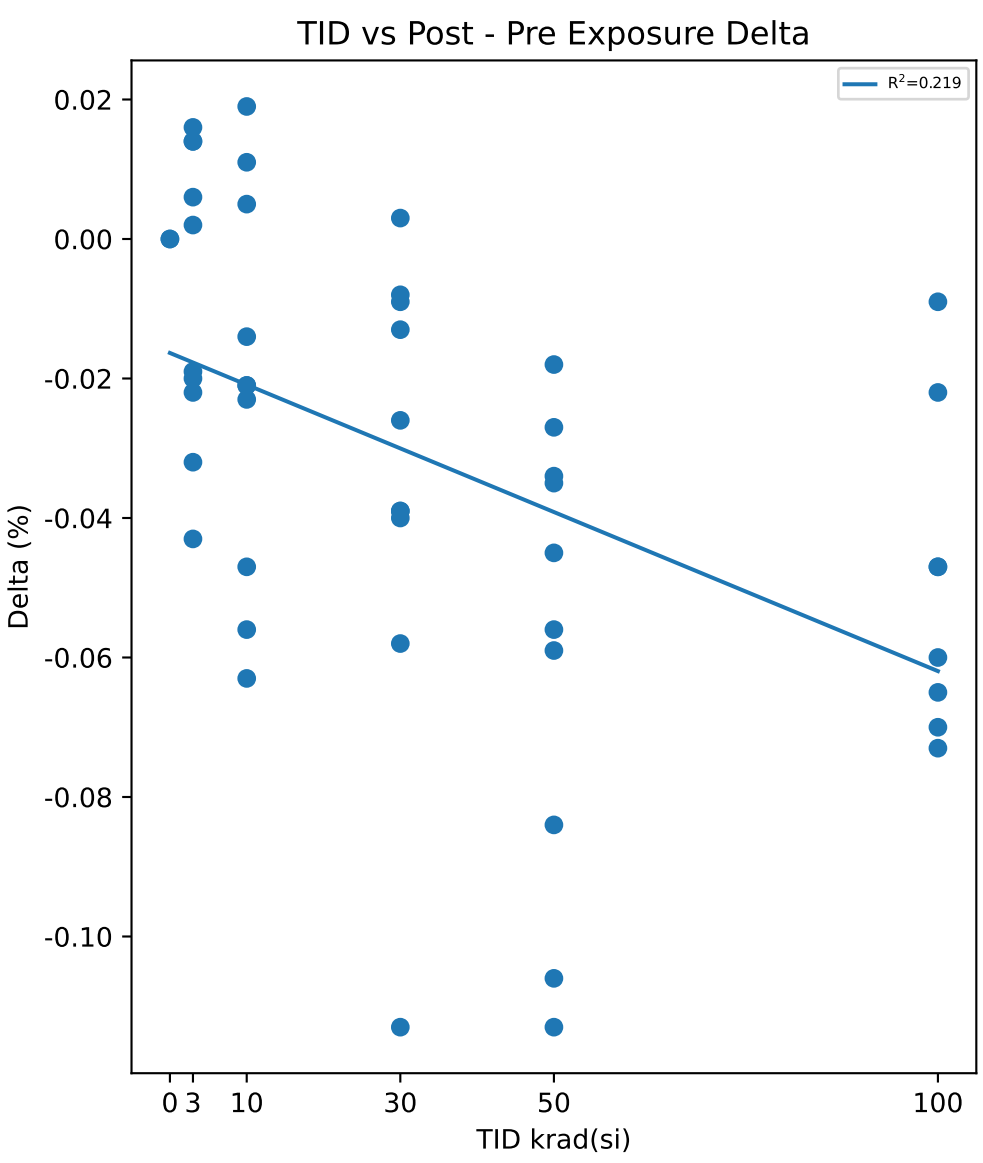
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 2.408 | 2.408 | 0 |
| 7 | 0 | Correlation | 2.411 | 2.411 | 0 |
| 16 | 3 | LDR-Biased | 2.422 | 2.354 | -0.068 |
| 18 | 3 | LDR-Biased | 2.405 | 2.36 | -0.045 |
| 19 | 3 | LDR-Biased | 2.41 | 2.408 | -0.002 |
| 20 | 3 | LDR-Biased | 2.396 | 2.374 | -0.022 |
| 21 | 3 | LDR-Biased | 2.417 | 2.413 | -0.004 |
| 22 | 3 | LDR-Unbiased | 2.402 | 2.418 | 0.016 |
| 23 | 3 | LDR-Unbiased | 2.398 | 2.412 | 0.014 |
| 25 | 3 | LDR-Unbiased | 2.401 | 2.393 | -0.008 |
| 26 | 3 | LDR-Unbiased | 2.425 | 2.408 | -0.017 |
| 27 | 3 | LDR-Unbiased | 2.406 | 2.405 | -0.001 |
| 46 | 10 | LDR-Biased | 2.422 | 2.341 | -0.081 |
| 48 | 10 | LDR-Biased | 2.405 | 2.343 | -0.062 |
| 49 | 10 | LDR-Biased | 2.41 | 2.388 | -0.022 |
| 50 | 10 | LDR-Biased | 2.396 | 2.357 | -0.039 |
| 51 | 10 | LDR-Biased | 2.417 | 2.398 | -0.019 |
| 52 | 10 | LDR-Unbiased | 2.402 | 2.428 | 0.026 |
| 53 | 10 | LDR-Unbiased | 2.398 | 2.419 | 0.021 |
| 55 | 10 | LDR-Unbiased | 2.401 | 2.399 | -0.002 |
| 56 | 10 | LDR-Unbiased | 2.425 | 2.411 | -0.014 |
| 57 | 10 | LDR-Unbiased | 2.406 | 2.408 | 0.002 |
| 76 | 30 | LDR-Biased | 2.422 | 2.342 | -0.08 |
| 78 | 30 | LDR-Biased | 2.405 | 2.288 | -0.117 |
| 79 | 30 | LDR-Biased | 2.41 | 2.391 | -0.019 |
| 80 | 30 | LDR-Biased | 2.396 | 2.361 | -0.035 |
| 81 | 30 | LDR-Biased | 2.417 | 2.385 | -0.032 |
| 82 | 30 | LDR-Unbiased | 2.402 | 2.404 | 0.002 |
| 83 | 30 | LDR-Unbiased | 2.398 | 2.394 | -0.004 |
| 84 | 30 | LDR-Unbiased | 2.406 | 2.381 | -0.025 |
| 85 | 30 | LDR-Unbiased | 2.401 | 2.374 | -0.027 |
| 86 | 30 | LDR-Unbiased | 2.425 | 2.389 | -0.036 |
| 87 | 100 | LDR-Biased | 2.427 | 2.355 | -0.072 |
| 88 | 100 | LDR-Biased | 2.436 | 2.398 | -0.038 |
| 90 | 100 | LDR-Biased | 2.409 | 2.402 | -0.007 |
| 91 | 100 | LDR-Unbiased | 2.396 | 2.339 | -0.057 |
| 93 | 100 | LDR-Unbiased | 2.416 | 2.355 | -0.061 |
| 94 | 100 | LDR-Unbiased | 2.424 | 2.351 | -0.073 |
| 95 | 100 | LDR-Unbiased | 2.396 | 2.358 | -0.038 |
| 96 | 100 | LDR-Unbiased | 2.407 | 2.337 | -0.07 |
| 106 | 50 | LDR-Biased | 2.422 | 2.293 | -0.129 |
| 108 | 50 | LDR-Biased | 2.405 | 2.317 | -0.088 |
| 109 | 50 | LDR-Biased | 2.41 | 2.367 | -0.043 |
| 110 | 50 | LDR-Biased | 2.396 | 2.291 | -0.105 |
| 111 | 50 | LDR-Biased | 2.417 | 2.373 | -0.044 |
| 112 | 50 | LDR-Unbiased | 2.402 | 2.392 | -0.01 |
| 113 | 50 | LDR-Unbiased | 2.398 | 2.381 | -0.017 |
| 115 | 50 | LDR-Unbiased | 2.401 | 2.362 | -0.039 |
| 116 | 50 | LDR-Unbiased | 2.425 | 2.381 | -0.044 |
| 117 | 50 | LDR-Unbiased | 2.406 | 2.372 | -0.034 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 2.408 | 2.4095 | 2.411 | 0.0021213 | 2.408 | 2.4095 | 2.411 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 2.396 | 2.4082 | 2.425 | 0.010064 | 2.354 | 2.3945 | 2.418 | 0.023401 | -0.068 | -0.0137 | 0.016 | 0.025996 |
| 10 | 2.396 | 2.4082 | 2.425 | 0.010064 | 2.341 | 2.3892 | 2.428 | 0.031432 | -0.081 | -0.019 | 0.026 | 0.034127 |
| 30 | 2.396 | 2.4082 | 2.425 | 0.010064 | 2.288 | 2.3709 | 2.404 | 0.034119 | -0.117 | -0.0373 | 0.002 | 0.035678 |
| 50 | 2.396 | 2.4082 | 2.425 | 0.010064 | 2.291 | 2.3529 | 2.392 | 0.037811 | -0.129 | -0.0553 | -0.01 | 0.038896 |
| 100 | 2.396 | 2.4139 | 2.436 | 0.014535 | 2.337 | 2.3619 | 2.402 | 0.024741 | -0.073 | -0.052 | -0.007 | 0.022953 |

# Device Test: 6.62 VOL_2mA_SEQ/SEQ_DONE/1.6/14/0/0/2/@VOL_SEQ_DONE_2MA



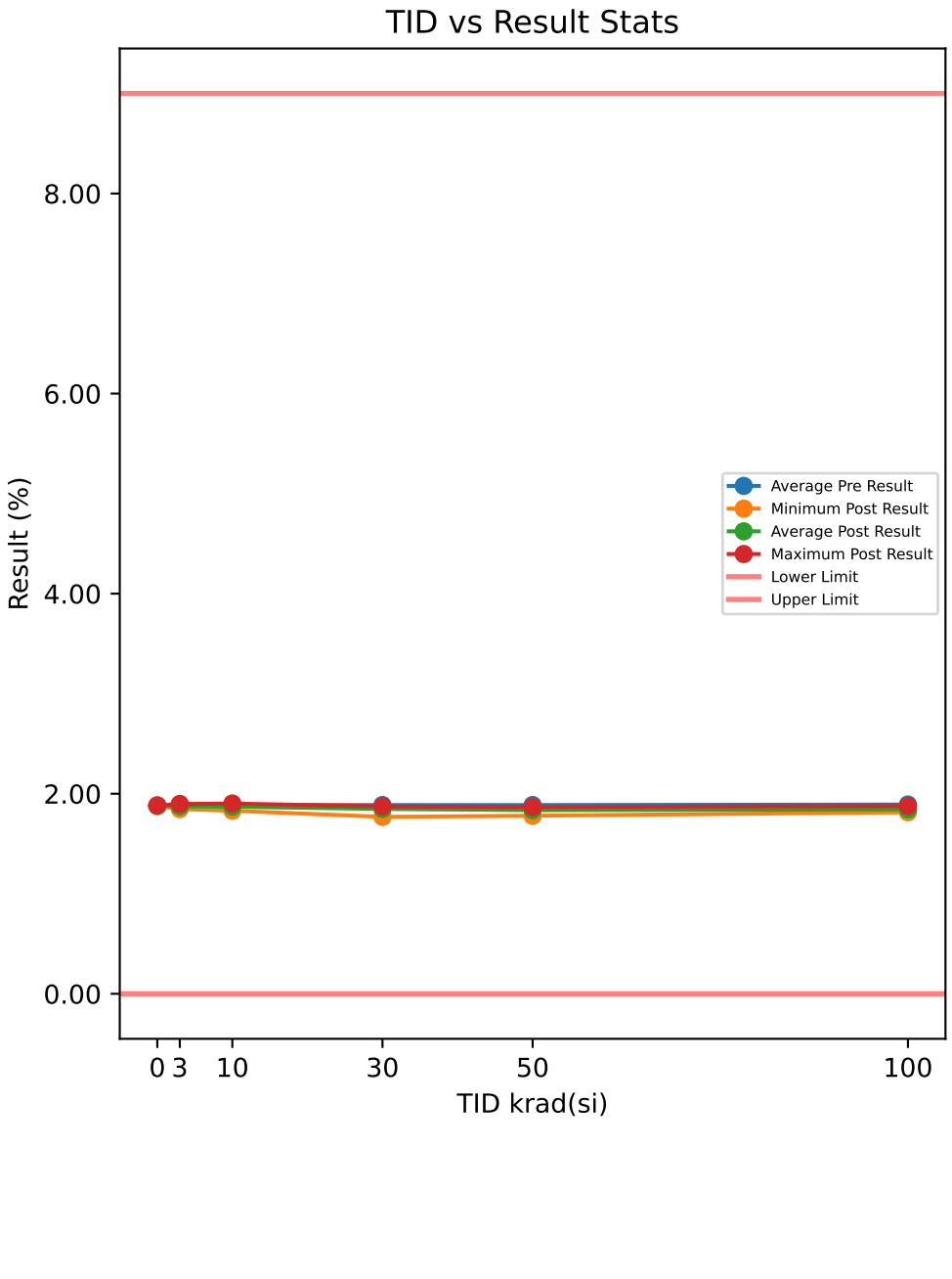

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

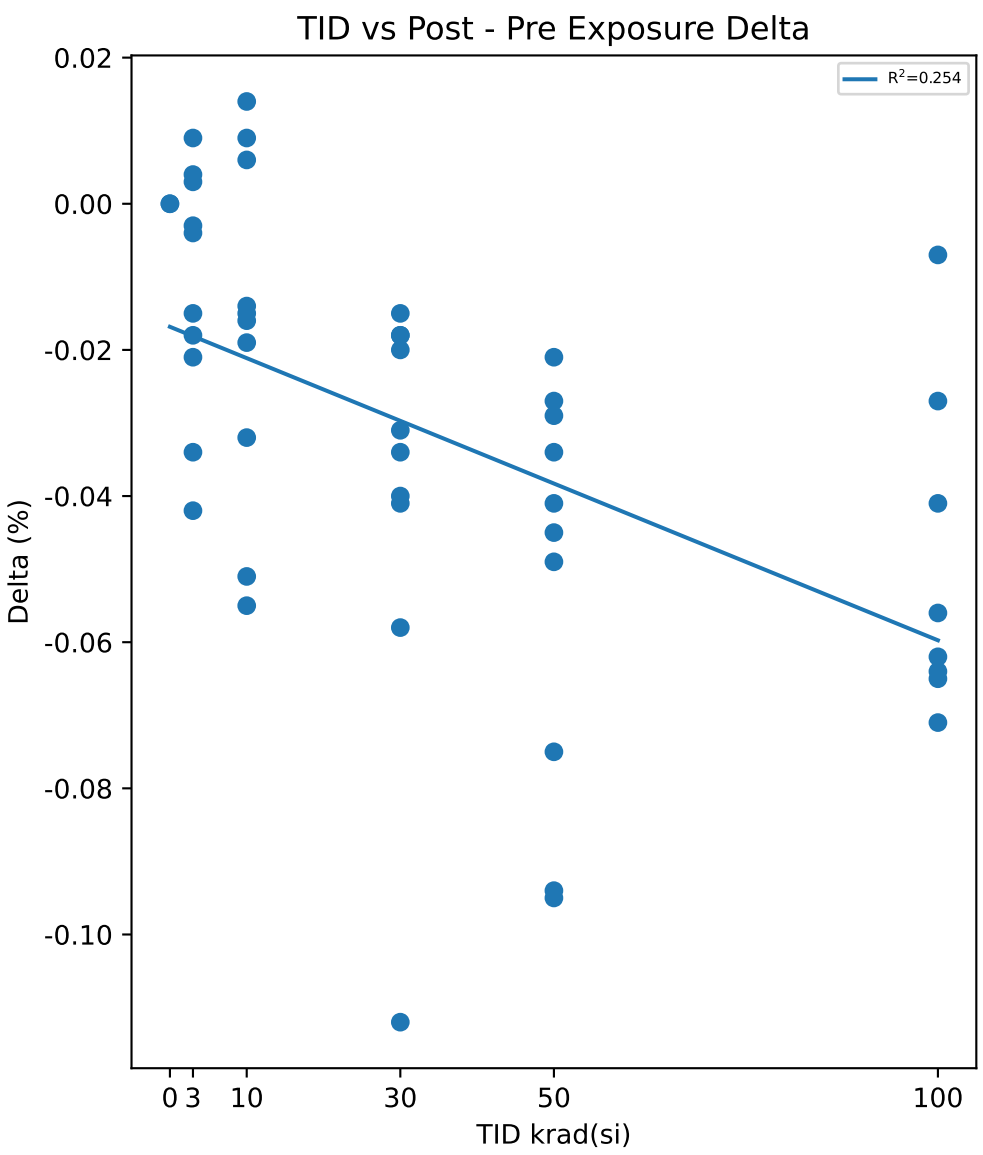
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.888 | 1.888 | 0 |
| 7 | 0 | Correlation | 1.872 | 1.872 | 0 |
| 16 | 3 | LDR-Biased | 1.888 | 1.845 | -0.043 |
| 18 | 3 | LDR-Biased | 1.884 | 1.852 | -0.032 |
| 19 | 3 | LDR-Biased | 1.878 | 1.892 | 0.014 |
| 20 | 3 | LDR-Biased | 1.877 | 1.855 | -0.022 |
| 21 | 3 | LDR-Biased | 1.9 | 1.902 | 0.002 |
| 22 | 3 | LDR-Unbiased | 1.876 | 1.892 | 0.016 |
| 23 | 3 | LDR-Unbiased | 1.88 | 1.886 | 0.006 |
| 25 | 3 | LDR-Unbiased | 1.88 | 1.86 | -0.02 |
| 26 | 3 | LDR-Unbiased | 1.904 | 1.885 | -0.019 |
| 27 | 3 | LDR-Unbiased | 1.879 | 1.893 | 0.014 |
| 46 | 10 | LDR-Biased | 1.888 | 1.825 | -0.063 |
| 48 | 10 | LDR-Biased | 1.884 | 1.828 | -0.056 |
| 49 | 10 | LDR-Biased | 1.878 | 1.864 | -0.014 |
| 50 | 10 | LDR-Biased | 1.877 | 1.83 | -0.047 |
| 51 | 10 | LDR-Biased | 1.9 | 1.879 | -0.021 |
| 52 | 10 | LDR-Unbiased | 1.876 | 1.895 | 0.019 |
| 53 | 10 | LDR-Unbiased | 1.88 | 1.885 | 0.005 |
| 55 | 10 | LDR-Unbiased | 1.88 | 1.859 | -0.021 |
| 56 | 10 | LDR-Unbiased | 1.904 | 1.881 | -0.023 |
| 57 | 10 | LDR-Unbiased | 1.879 | 1.89 | 0.011 |
| 76 | 30 | LDR-Biased | 1.888 | 1.83 | -0.058 |
| 78 | 30 | LDR-Biased | 1.884 | 1.771 | -0.113 |
| 79 | 30 | LDR-Biased | 1.878 | 1.87 | -0.008 |
| 80 | 30 | LDR-Biased | 1.877 | 1.838 | -0.039 |
| 81 | 30 | LDR-Biased | 1.9 | 1.874 | -0.026 |
| 82 | 30 | LDR-Unbiased | 1.876 | 1.879 | 0.003 |
| 83 | 30 | LDR-Unbiased | 1.88 | 1.867 | -0.013 |
| 84 | 30 | LDR-Unbiased | 1.879 | 1.87 | -0.009 |
| 85 | 30 | LDR-Unbiased | 1.88 | 1.84 | -0.04 |
| 86 | 30 | LDR-Unbiased | 1.904 | 1.865 | -0.039 |
| 87 | 100 | LDR-Biased | 1.908 | 1.835 | -0.073 |
| 88 | 100 | LDR-Biased | 1.898 | 1.876 | -0.022 |
| 90 | 100 | LDR-Biased | 1.887 | 1.878 | -0.009 |
| 91 | 100 | LDR-Unbiased | 1.872 | 1.807 | -0.065 |
| 93 | 100 | LDR-Unbiased | 1.9 | 1.83 | -0.07 |
| 94 | 100 | LDR-Unbiased | 1.89 | 1.843 | -0.047 |
| 95 | 100 | LDR-Unbiased | 1.879 | 1.832 | -0.047 |
| 96 | 100 | LDR-Unbiased | 1.88 | 1.82 | -0.06 |
| 106 | 50 | LDR-Biased | 1.888 | 1.782 | -0.106 |
| 108 | 50 | LDR-Biased | 1.884 | 1.8 | -0.084 |
| 109 | 50 | LDR-Biased | 1.878 | 1.843 | -0.035 |
| 110 | 50 | LDR-Biased | 1.877 | 1.764 | -0.113 |
| 111 | 50 | LDR-Biased | 1.9 | 1.855 | -0.045 |
| 112 | 50 | LDR-Unbiased | 1.876 | 1.858 | -0.018 |
| 113 | 50 | LDR-Unbiased | 1.88 | 1.846 | -0.034 |
| 115 | 50 | LDR-Unbiased | 1.88 | 1.821 | -0.059 |
| 116 | 50 | LDR-Unbiased | 1.904 | 1.848 | -0.056 |
| 117 | 50 | LDR-Unbiased | 1.879 | 1.852 | -0.027 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.872 | 1.88 | 1.888 | 0.011314 | 1.872 | 1.88 | 1.888 | 0.011314 | 0 | 0 | 0 | 0 |
| 3 | 1.876 | 1.8846 | 1.904 | 0.0098568 | 1.845 | 1.8762 | 1.902 | 0.020794 | -0.043 | -0.0084 | 0.016 | 0.021345 |
| 10 | 1.876 | 1.8846 | 1.904 | 0.0098568 | 1.825 | 1.8636 | 1.895 | 0.027056 | -0.063 | -0.021 | 0.019 | 0.027925 |
| 30 | 1.876 | 1.8846 | 1.904 | 0.0098568 | 1.771 | 1.8504 | 1.879 | 0.032684 | -0.113 | -0.0342 | 0.003 | 0.033462 |
| 50 | 1.876 | 1.8846 | 1.904 | 0.0098568 | 1.764 | 1.8269 | 1.858 | 0.033643 | -0.113 | -0.0577 | -0.018 | 0.033072 |
| 100 | 1.872 | 1.8892 | 1.908 | 0.012174 | 1.807 | 1.8401 | 1.878 | 0.025148 | -0.073 | -0.049125 | -0.009 | 0.023086 |

# Device Test: 6.63 VOL_2mA_PWRGD/PWRGD/1.6/14/0/0/2/@VOL_PWRGD_2MA



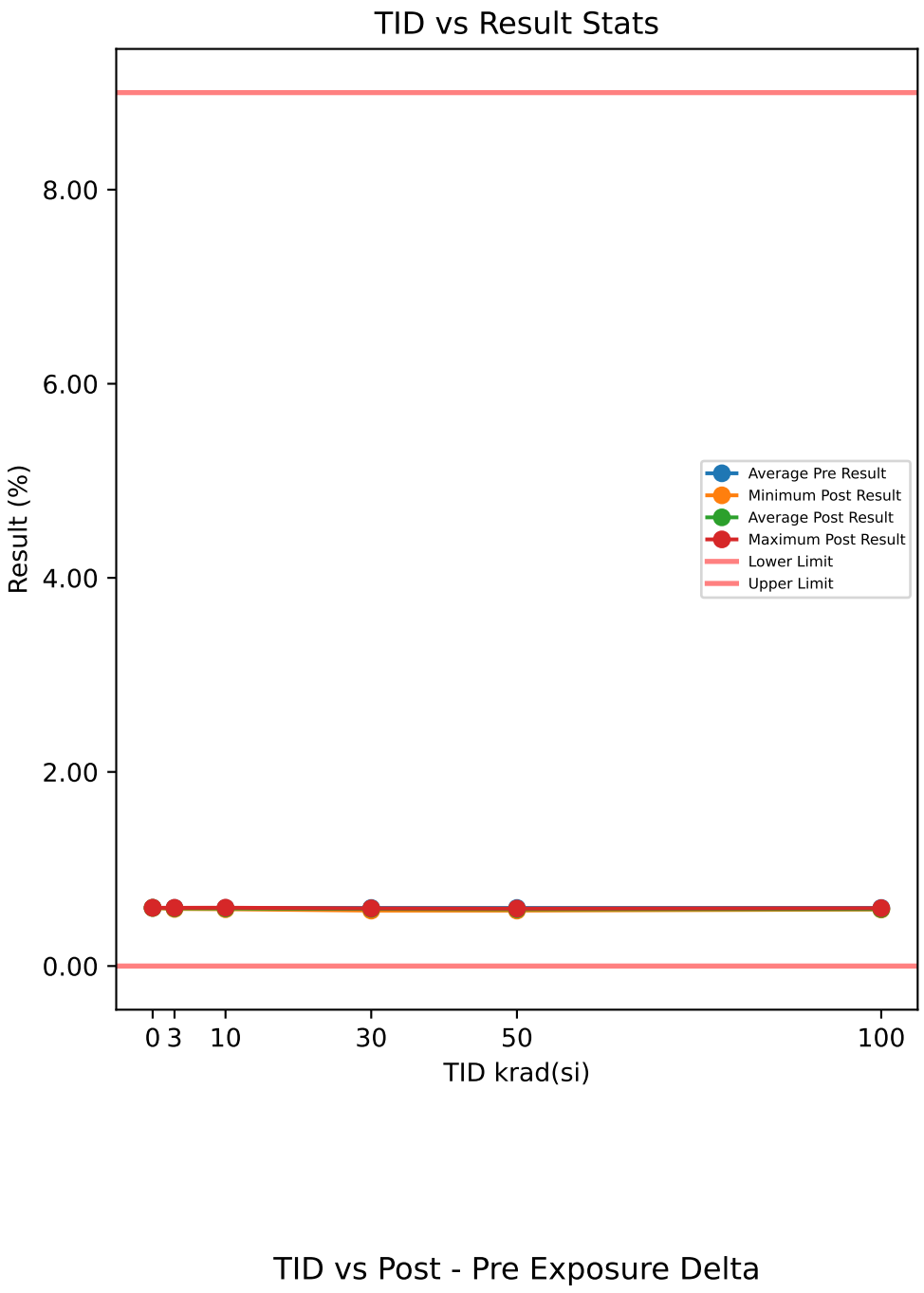

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

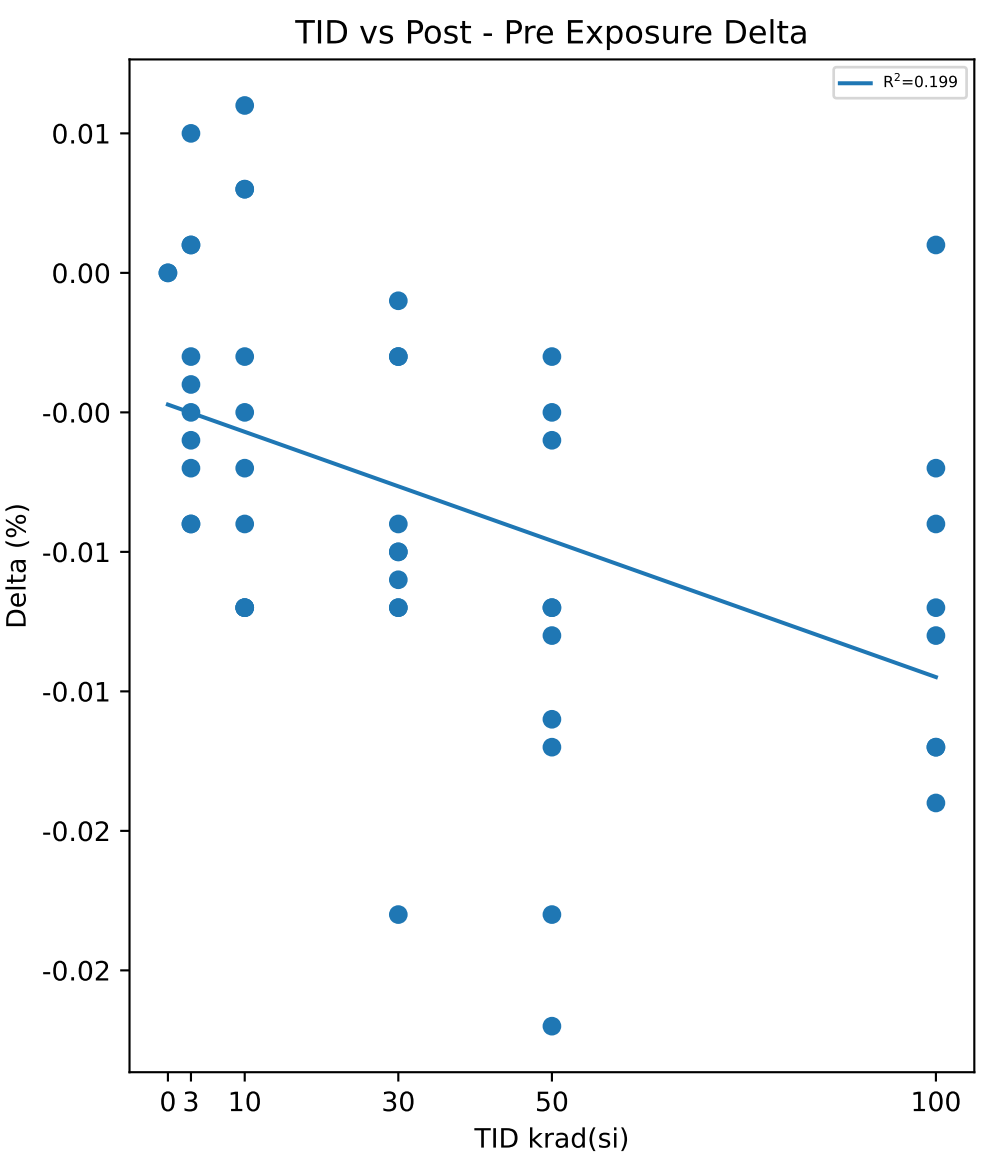
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 1.883 | 1.883 | 0 |
| 7 | 0 | Correlation | 1.877 | 1.877 | 0 |
| 16 | 3 | LDR-Biased | 1.89 | 1.848 | -0.042 |
| 18 | 3 | LDR-Biased | 1.881 | 1.847 | -0.034 |
| 19 | 3 | LDR-Biased | 1.888 | 1.892 | 0.004 |
| 20 | 3 | LDR-Biased | 1.874 | 1.859 | -0.015 |
| 21 | 3 | LDR-Biased | 1.901 | 1.898 | -0.003 |
| 22 | 3 | LDR-Unbiased | 1.884 | 1.88 | -0.004 |
| 23 | 3 | LDR-Unbiased | 1.88 | 1.883 | 0.003 |
| 25 | 3 | LDR-Unbiased | 1.883 | 1.862 | -0.021 |
| 26 | 3 | LDR-Unbiased | 1.9 | 1.882 | -0.018 |
| 27 | 3 | LDR-Unbiased | 1.888 | 1.897 | 0.009 |
| 46 | 10 | LDR-Biased | 1.89 | 1.835 | -0.055 |
| 48 | 10 | LDR-Biased | 1.881 | 1.83 | -0.051 |
| 49 | 10 | LDR-Biased | 1.888 | 1.872 | -0.016 |
| 50 | 10 | LDR-Biased | 1.874 | 1.842 | -0.032 |
| 51 | 10 | LDR-Biased | 1.901 | 1.882 | -0.019 |
| 52 | 10 | LDR-Unbiased | 1.884 | 1.89 | 0.006 |
| 53 | 10 | LDR-Unbiased | 1.88 | 1.889 | 0.009 |
| 55 | 10 | LDR-Unbiased | 1.883 | 1.869 | -0.014 |
| 56 | 10 | LDR-Unbiased | 1.9 | 1.885 | -0.015 |
| 57 | 10 | LDR-Unbiased | 1.888 | 1.902 | 0.014 |
| 76 | 30 | LDR-Biased | 1.89 | 1.832 | -0.058 |
| 78 | 30 | LDR-Biased | 1.881 | 1.769 | -0.112 |
| 79 | 30 | LDR-Biased | 1.888 | 1.87 | -0.018 |
| 80 | 30 | LDR-Biased | 1.874 | 1.843 | -0.031 |
| 81 | 30 | LDR-Biased | 1.901 | 1.867 | -0.034 |
| 82 | 30 | LDR-Unbiased | 1.884 | 1.864 | -0.02 |
| 83 | 30 | LDR-Unbiased | 1.88 | 1.862 | -0.018 |
| 84 | 30 | LDR-Unbiased | 1.888 | 1.873 | -0.015 |
| 85 | 30 | LDR-Unbiased | 1.883 | 1.842 | -0.041 |
| 86 | 30 | LDR-Unbiased | 1.9 | 1.86 | -0.04 |
| 87 | 100 | LDR-Biased | 1.9 | 1.835 | -0.065 |
| 88 | 100 | LDR-Biased | 1.901 | 1.874 | -0.027 |
| 90 | 100 | LDR-Biased | 1.884 | 1.877 | -0.007 |
| 91 | 100 | LDR-Unbiased | 1.879 | 1.815 | -0.064 |
| 93 | 100 | LDR-Unbiased | 1.901 | 1.83 | -0.071 |
| 94 | 100 | LDR-Unbiased | 1.892 | 1.851 | -0.041 |
| 95 | 100 | LDR-Unbiased | 1.888 | 1.832 | -0.056 |
| 96 | 100 | LDR-Unbiased | 1.89 | 1.828 | -0.062 |
| 106 | 50 | LDR-Biased | 1.89 | 1.795 | -0.095 |
| 108 | 50 | LDR-Biased | 1.881 | 1.806 | -0.075 |
| 109 | 50 | LDR-Biased | 1.888 | 1.854 | -0.034 |
| 110 | 50 | LDR-Biased | 1.874 | 1.78 | -0.094 |
| 111 | 50 | LDR-Biased | 1.901 | 1.86 | -0.041 |
| 112 | 50 | LDR-Unbiased | 1.884 | 1.855 | -0.029 |
| 113 | 50 | LDR-Unbiased | 1.88 | 1.853 | -0.027 |
| 115 | 50 | LDR-Unbiased | 1.883 | 1.834 | -0.049 |
| 116 | 50 | LDR-Unbiased | 1.9 | 1.855 | -0.045 |
| 117 | 50 | LDR-Unbiased | 1.888 | 1.867 | -0.021 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1.877 | 1.88 | 1.883 | 0.0042426 | 1.877 | 1.88 | 1.883 | 0.0042426 | 0 | 0 | 0 | 0 |
| 3 | 1.874 | 1.8869 | 1.901 | 0.0085303 | 1.847 | 1.8748 | 1.898 | 0.019372 | -0.042 | -0.0121 | 0.009 | 0.016921 |
| 10 | 1.874 | 1.8869 | 1.901 | 0.0085303 | 1.83 | 1.8696 | 1.902 | 0.025312 | -0.055 | -0.0173 | 0.014 | 0.023589 |
| 30 | 1.874 | 1.8869 | 1.901 | 0.0085303 | 1.769 | 1.8482 | 1.873 | 0.030954 | -0.112 | -0.0387 | -0.015 | 0.029063 |
| 50 | 1.874 | 1.8869 | 1.901 | 0.0085303 | 1.78 | 1.8359 | 1.867 | 0.030899 | -0.095 | -0.051 | -0.021 | 0.027386 |
| 100 | 1.879 | 1.8919 | 1.901 | 0.0082711 | 1.815 | 1.8428 | 1.877 | 0.022499 | -0.071 | -0.049125 | -0.007 | 0.022344 |

# Device Test: 6.64 VOL_2mA_EN1/EN1/7/3/0/0/2/@VOL_EN_2MA



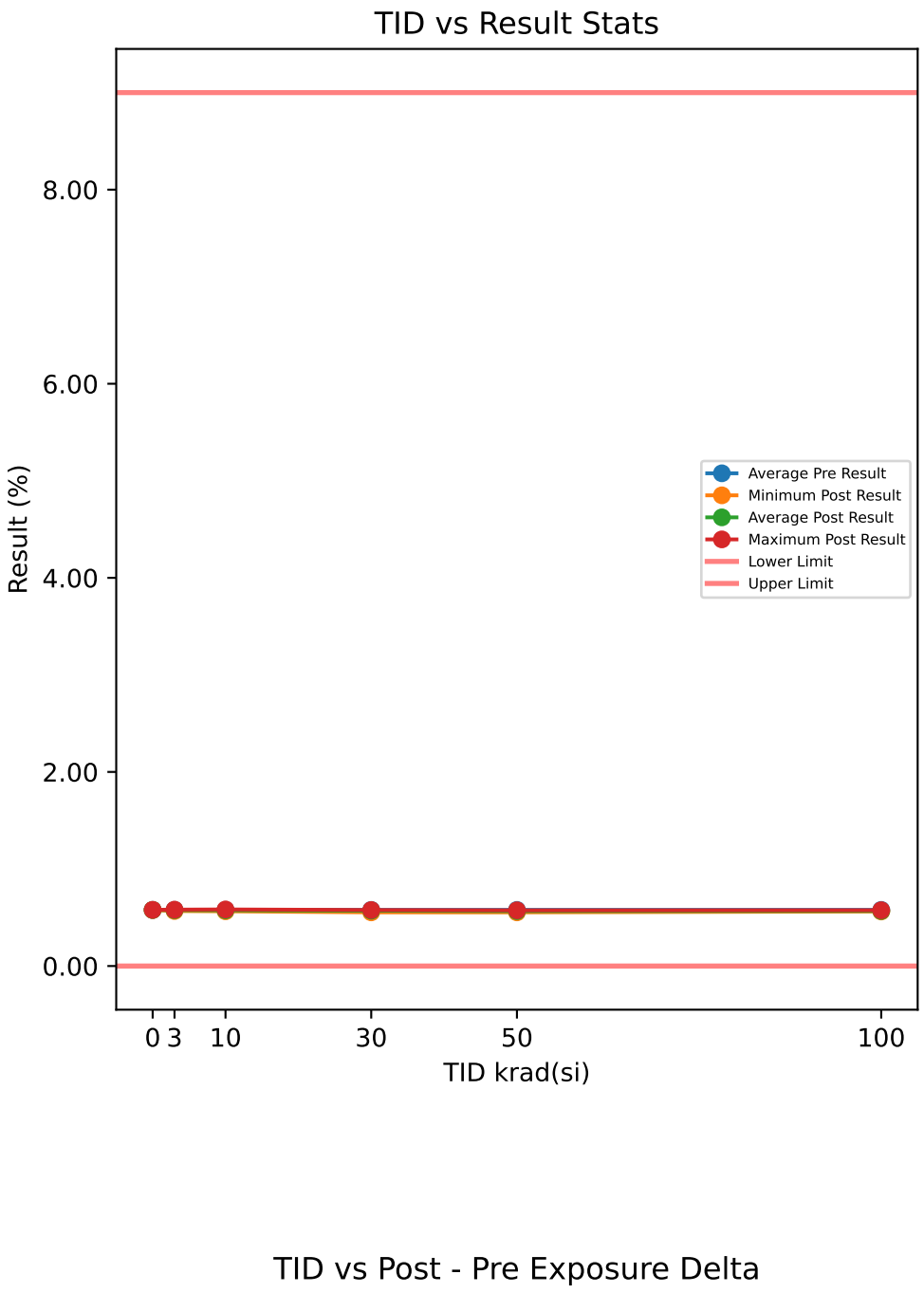

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

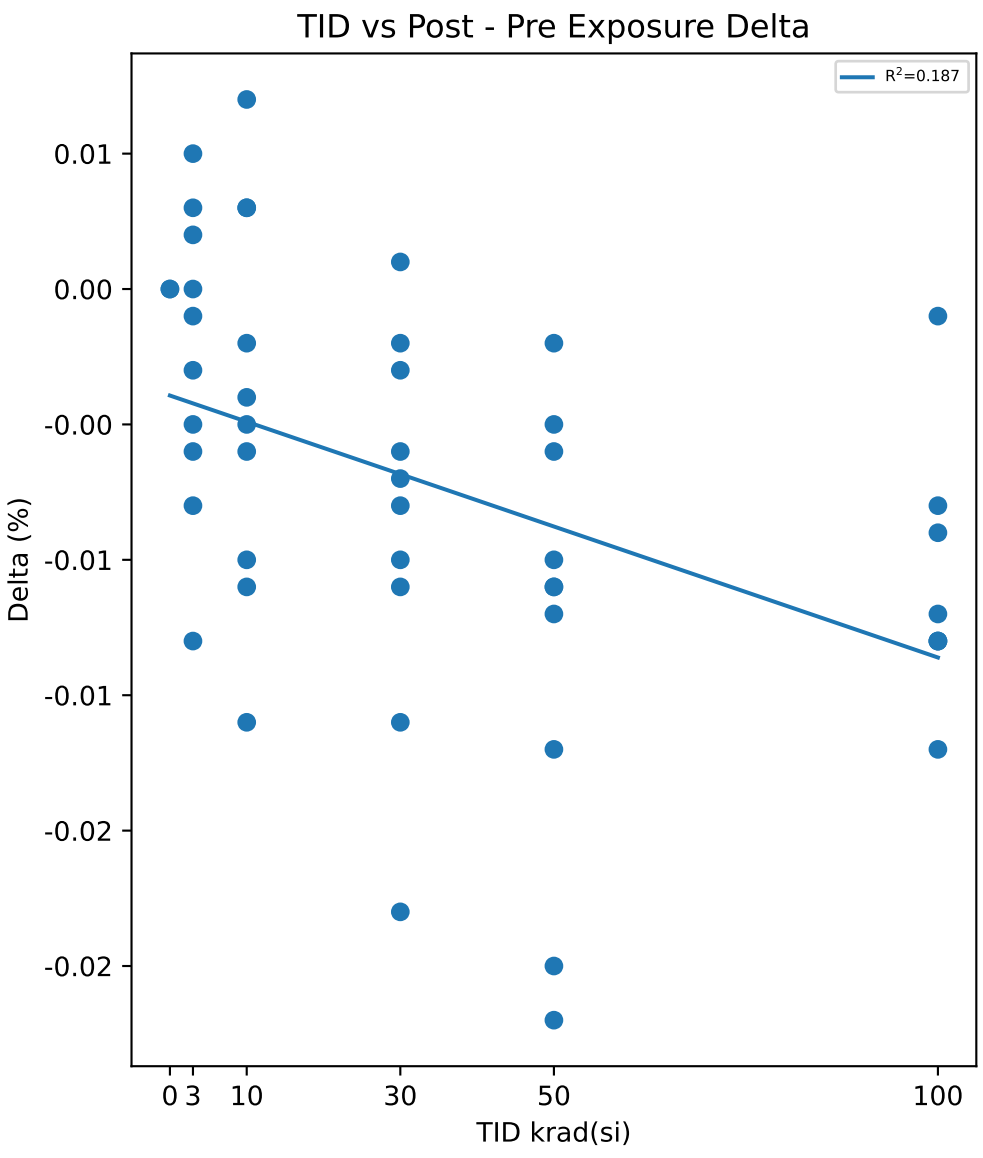
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.598 | 0.598 | 0 |
| 7 | 0 | Correlation | 0.601 | 0.601 | 0 |
| 16 | 3 | LDR-Biased | 0.599 | 0.59 | -0.009 |
| 18 | 3 | LDR-Biased | 0.594 | 0.588 | -0.006 |
| 19 | 3 | LDR-Biased | 0.599 | 0.592 | -0.007 |
| 20 | 3 | LDR-Biased | 0.598 | 0.589 | -0.009 |
| 21 | 3 | LDR-Biased | 0.602 | 0.599 | -0.003 |
| 22 | 3 | LDR-Unbiased | 0.597 | 0.598 | 0.001 |
| 23 | 3 | LDR-Unbiased | 0.595 | 0.596 | 0.001 |
| 25 | 3 | LDR-Unbiased | 0.601 | 0.597 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.603 | 0.598 | -0.005 |
| 27 | 3 | LDR-Unbiased | 0.595 | 0.6 | 0.005 |
| 46 | 10 | LDR-Biased | 0.599 | 0.587 | -0.012 |
| 48 | 10 | LDR-Biased | 0.594 | 0.585 | -0.009 |
| 49 | 10 | LDR-Biased | 0.599 | 0.587 | -0.012 |
| 50 | 10 | LDR-Biased | 0.598 | 0.586 | -0.012 |
| 51 | 10 | LDR-Biased | 0.602 | 0.595 | -0.007 |
| 52 | 10 | LDR-Unbiased | 0.597 | 0.6 | 0.003 |
| 53 | 10 | LDR-Unbiased | 0.595 | 0.598 | 0.003 |
| 55 | 10 | LDR-Unbiased | 0.601 | 0.598 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.603 | 0.598 | -0.005 |
| 57 | 10 | LDR-Unbiased | 0.595 | 0.601 | 0.006 |
| 76 | 30 | LDR-Biased | 0.599 | 0.588 | -0.011 |
| 78 | 30 | LDR-Biased | 0.594 | 0.571 | -0.023 |
| 79 | 30 | LDR-Biased | 0.599 | 0.587 | -0.012 |
| 80 | 30 | LDR-Biased | 0.598 | 0.586 | -0.012 |
| 81 | 30 | LDR-Biased | 0.602 | 0.592 | -0.01 |
| 82 | 30 | LDR-Unbiased | 0.597 | 0.594 | -0.003 |
| 83 | 30 | LDR-Unbiased | 0.595 | 0.592 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.595 | 0.594 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.601 | 0.592 | -0.009 |
| 86 | 30 | LDR-Unbiased | 0.603 | 0.593 | -0.01 |
| 87 | 100 | LDR-Biased | 0.603 | 0.584 | -0.019 |
| 88 | 100 | LDR-Biased | 0.602 | 0.595 | -0.007 |
| 90 | 100 | LDR-Biased | 0.595 | 0.596 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.595 | 0.582 | -0.013 |
| 93 | 100 | LDR-Unbiased | 0.602 | 0.585 | -0.017 |
| 94 | 100 | LDR-Unbiased | 0.599 | 0.582 | -0.017 |
| 95 | 100 | LDR-Unbiased | 0.595 | 0.586 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.595 | 0.583 | -0.012 |
| 106 | 50 | LDR-Biased | 0.599 | 0.576 | -0.023 |
| 108 | 50 | LDR-Biased | 0.594 | 0.578 | -0.016 |
| 109 | 50 | LDR-Biased | 0.599 | 0.582 | -0.017 |
| 110 | 50 | LDR-Biased | 0.598 | 0.571 | -0.027 |
| 111 | 50 | LDR-Biased | 0.602 | 0.589 | -0.013 |
| 112 | 50 | LDR-Unbiased | 0.597 | 0.592 | -0.005 |
| 113 | 50 | LDR-Unbiased | 0.595 | 0.589 | -0.006 |
| 115 | 50 | LDR-Unbiased | 0.601 | 0.589 | -0.012 |
| 116 | 50 | LDR-Unbiased | 0.603 | 0.591 | -0.012 |
| 117 | 50 | LDR-Unbiased | 0.595 | 0.592 | -0.003 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.598 | 0.5995 | 0.601 | 0.0021213 | 0.598 | 0.5995 | 0.601 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 0.594 | 0.5983 | 0.603 | 0.003093 | 0.588 | 0.5947 | 0.6 | 0.0044981 | -0.009 | -0.0036 | 0.005 | 0.0046476 |
| 10 | 0.594 | 0.5983 | 0.603 | 0.003093 | 0.585 | 0.5935 | 0.601 | 0.0064507 | -0.012 | -0.0048 | 0.006 | 0.006828 |
| 30 | 0.594 | 0.5983 | 0.603 | 0.003093 | 0.571 | 0.5889 | 0.594 | 0.0069194 | -0.023 | -0.0094 | -0.001 | 0.0062752 |
| 50 | 0.594 | 0.5983 | 0.603 | 0.003093 | 0.571 | 0.5849 | 0.592 | 0.0075785 | -0.027 | -0.0134 | -0.003 | 0.0077057 |
| 100 | 0.595 | 0.59825 | 0.603 | 0.0036547 | 0.582 | 0.58662 | 0.596 | 0.0056553 | -0.019 | -0.011625 | 0.001 | 0.006567 |

# Device Test: 6.65 VOL_2mA_EN2/EN2/7/3/0/0/2/@VOL_EN_2MA



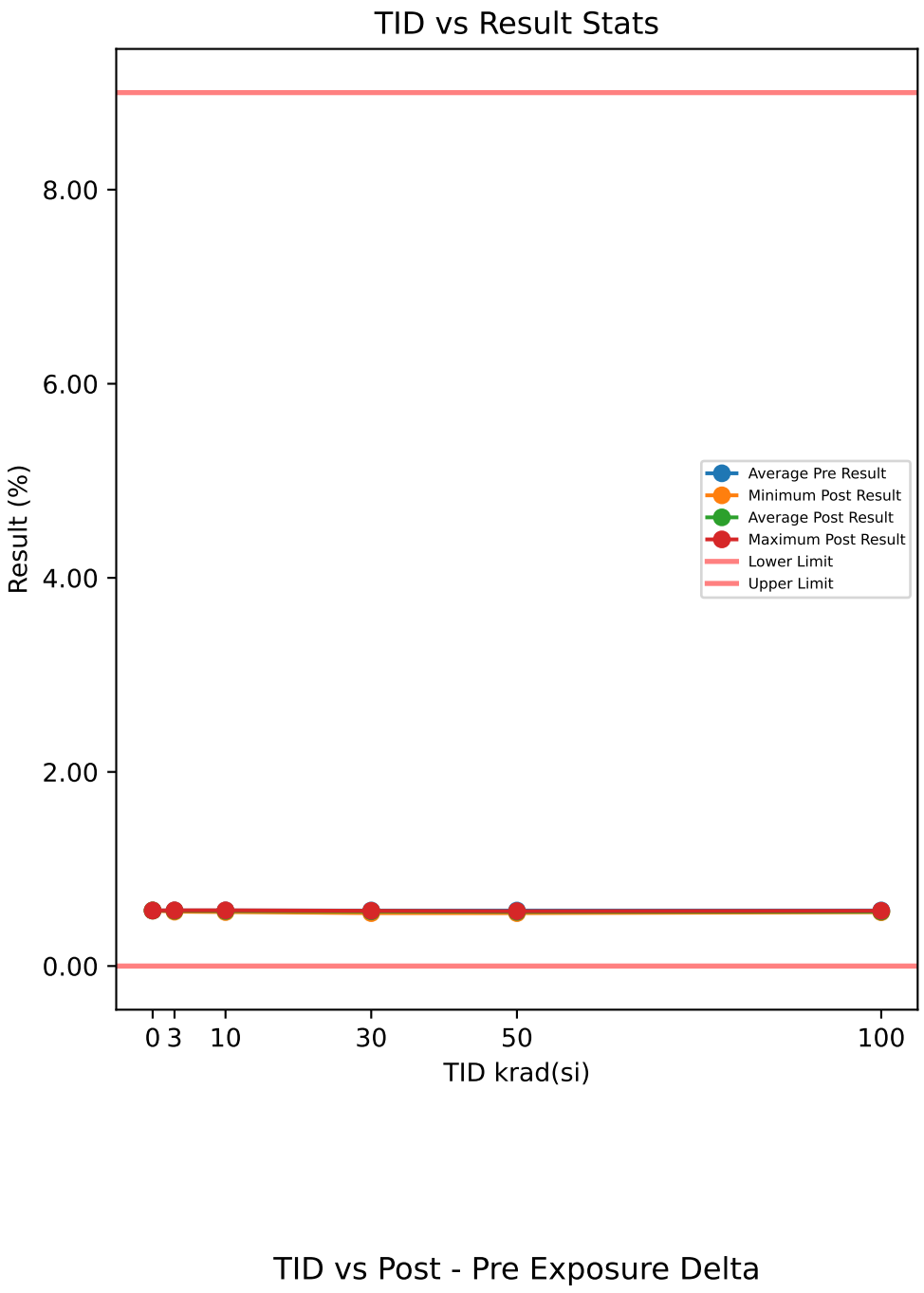

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

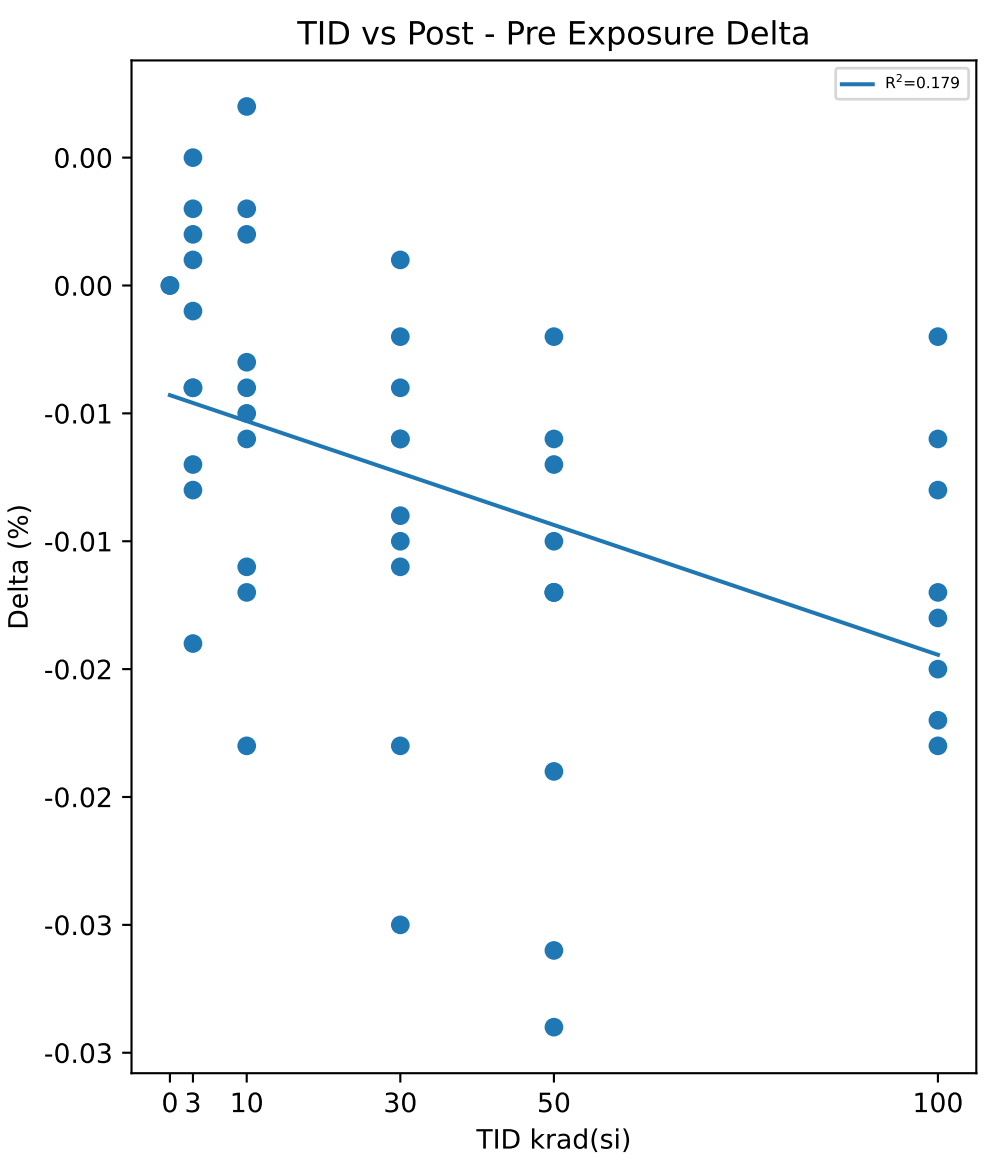
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.577 | 0.577 | 0 |
| 7 | 0 | Correlation | 0.579 | 0.579 | 0 |
| 16 | 3 | LDR-Biased | 0.58 | 0.567 | -0.013 |
| 18 | 3 | LDR-Biased | 0.576 | 0.57 | -0.006 |
| 19 | 3 | LDR-Biased | 0.579 | 0.578 | -0.001 |
| 20 | 3 | LDR-Biased | 0.578 | 0.57 | -0.008 |
| 21 | 3 | LDR-Biased | 0.58 | 0.58 | 0 |
| 22 | 3 | LDR-Unbiased | 0.576 | 0.581 | 0.005 |
| 23 | 3 | LDR-Unbiased | 0.577 | 0.579 | 0.002 |
| 25 | 3 | LDR-Unbiased | 0.578 | 0.575 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.582 | 0.577 | -0.005 |
| 27 | 3 | LDR-Unbiased | 0.577 | 0.58 | 0.003 |
| 46 | 10 | LDR-Biased | 0.58 | 0.564 | -0.016 |
| 48 | 10 | LDR-Biased | 0.576 | 0.566 | -0.01 |
| 49 | 10 | LDR-Biased | 0.579 | 0.573 | -0.006 |
| 50 | 10 | LDR-Biased | 0.578 | 0.567 | -0.011 |
| 51 | 10 | LDR-Biased | 0.58 | 0.576 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.576 | 0.583 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.577 | 0.58 | 0.003 |
| 55 | 10 | LDR-Unbiased | 0.578 | 0.576 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.582 | 0.577 | -0.005 |
| 57 | 10 | LDR-Unbiased | 0.577 | 0.58 | 0.003 |
| 76 | 30 | LDR-Biased | 0.58 | 0.564 | -0.016 |
| 78 | 30 | LDR-Biased | 0.576 | 0.553 | -0.023 |
| 79 | 30 | LDR-Biased | 0.579 | 0.573 | -0.006 |
| 80 | 30 | LDR-Biased | 0.578 | 0.567 | -0.011 |
| 81 | 30 | LDR-Biased | 0.58 | 0.573 | -0.007 |
| 82 | 30 | LDR-Unbiased | 0.576 | 0.577 | 0.001 |
| 83 | 30 | LDR-Unbiased | 0.577 | 0.575 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.577 | 0.574 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.578 | 0.57 | -0.008 |
| 86 | 30 | LDR-Unbiased | 0.582 | 0.572 | -0.01 |
| 87 | 100 | LDR-Biased | 0.581 | 0.564 | -0.017 |
| 88 | 100 | LDR-Biased | 0.583 | 0.575 | -0.008 |
| 90 | 100 | LDR-Biased | 0.576 | 0.575 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.574 | 0.562 | -0.012 |
| 93 | 100 | LDR-Unbiased | 0.58 | 0.567 | -0.013 |
| 94 | 100 | LDR-Unbiased | 0.58 | 0.567 | -0.013 |
| 95 | 100 | LDR-Unbiased | 0.576 | 0.567 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.577 | 0.564 | -0.013 |
| 106 | 50 | LDR-Biased | 0.58 | 0.553 | -0.027 |
| 108 | 50 | LDR-Biased | 0.576 | 0.559 | -0.017 |
| 109 | 50 | LDR-Biased | 0.579 | 0.568 | -0.011 |
| 110 | 50 | LDR-Biased | 0.578 | 0.553 | -0.025 |
| 111 | 50 | LDR-Biased | 0.58 | 0.57 | -0.01 |
| 112 | 50 | LDR-Unbiased | 0.576 | 0.574 | -0.002 |
| 113 | 50 | LDR-Unbiased | 0.577 | 0.571 | -0.006 |
| 115 | 50 | LDR-Unbiased | 0.578 | 0.567 | -0.011 |
| 116 | 50 | LDR-Unbiased | 0.582 | 0.57 | -0.012 |
| 117 | 50 | LDR-Unbiased | 0.577 | 0.572 | -0.005 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.577 | 0.578 | 0.579 | 0.0014142 | 0.577 | 0.578 | 0.579 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.576 | 0.5783 | 0.582 | 0.0019465 | 0.567 | 0.5757 | 0.581 | 0.00499 | -0.013 | -0.0026 | 0.005 | 0.0055217 |
| 10 | 0.576 | 0.5783 | 0.582 | 0.0019465 | 0.564 | 0.5742 | 0.583 | 0.0065286 | -0.016 | -0.0041 | 0.007 | 0.0071251 |
| 30 | 0.576 | 0.5783 | 0.582 | 0.0019465 | 0.553 | 0.5698 | 0.577 | 0.0070364 | -0.023 | -0.0085 | 0.001 | 0.0070435 |
| 50 | 0.576 | 0.5783 | 0.582 | 0.0019465 | 0.553 | 0.5657 | 0.574 | 0.0078038 | -0.027 | -0.0126 | -0.002 | 0.0082084 |
| 100 | 0.574 | 0.57837 | 0.583 | 0.0030677 | 0.562 | 0.56762 | 0.575 | 0.0048972 | -0.017 | -0.01075 | -0.001 | 0.0048033 |

# Device Test: 6.66 VOL_2mA_EN3/EN3/7/3/0/0/2/@VOL_EN_2MA



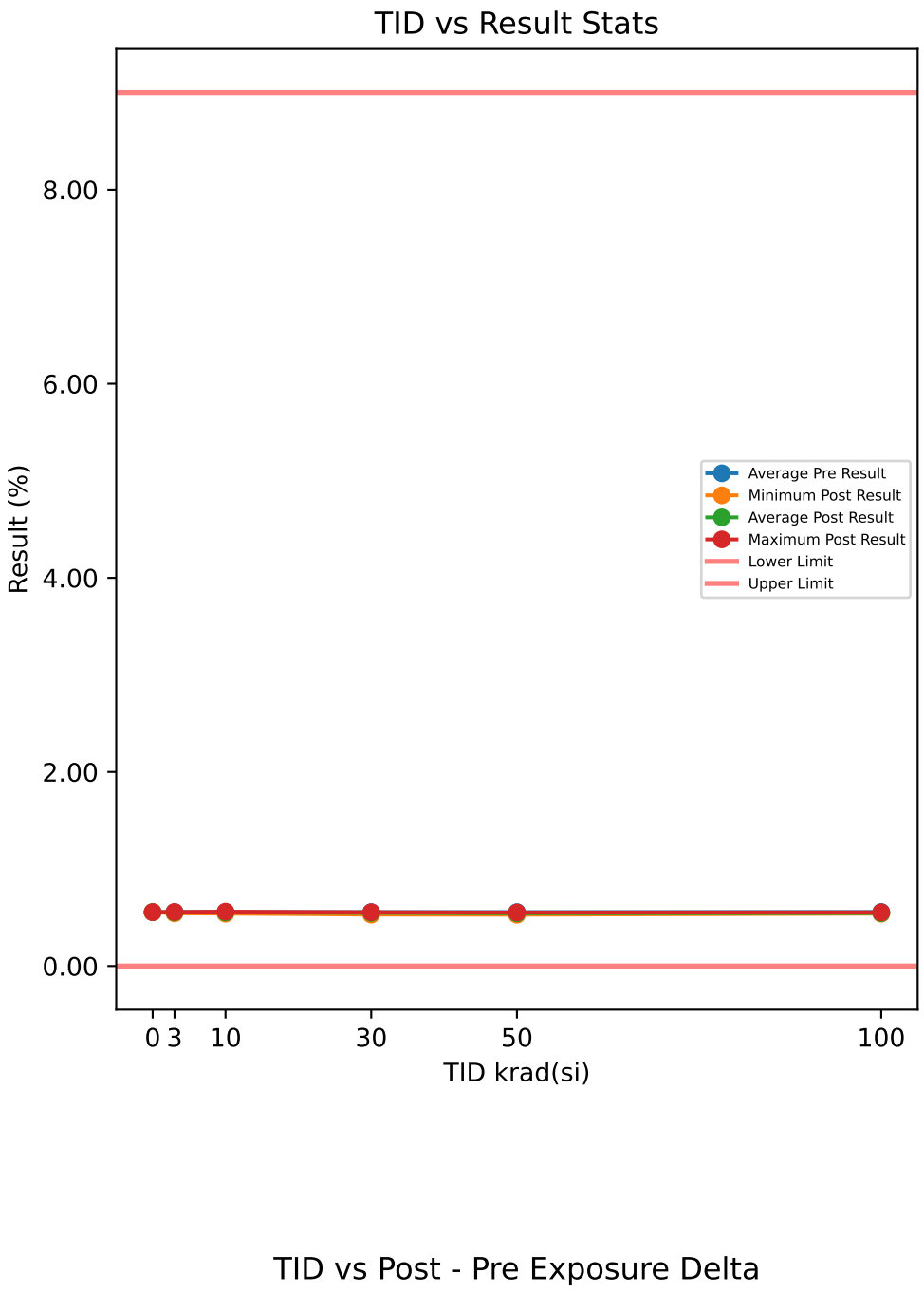

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

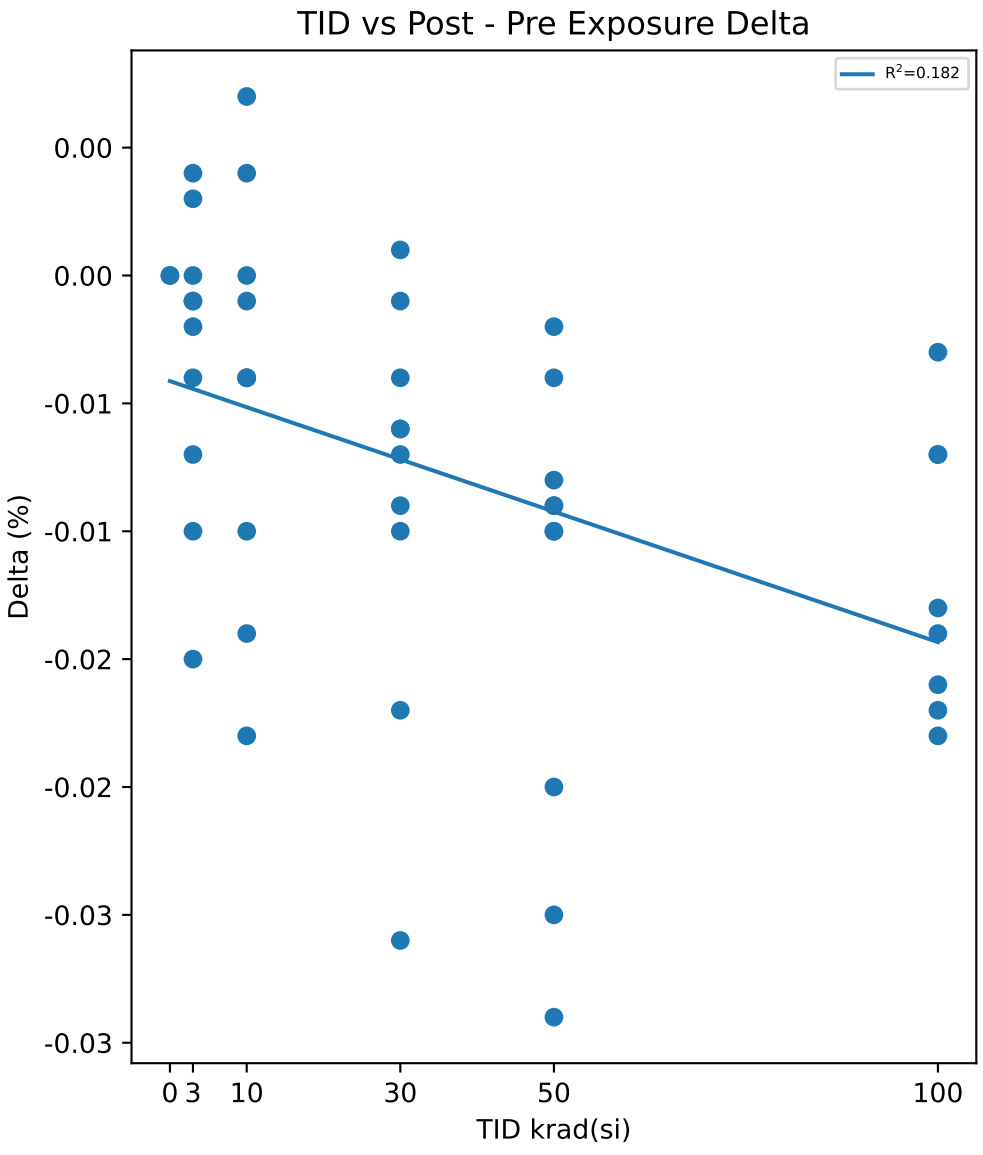
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.571 | 0.571 | 0 |
| 7 | 0 | Correlation | 0.572 | 0.572 | 0 |
| 16 | 3 | LDR-Biased | 0.574 | 0.56 | -0.014 |
| 18 | 3 | LDR-Biased | 0.57 | 0.562 | -0.008 |
| 19 | 3 | LDR-Biased | 0.573 | 0.572 | -0.001 |
| 20 | 3 | LDR-Biased | 0.571 | 0.564 | -0.007 |
| 21 | 3 | LDR-Biased | 0.573 | 0.574 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.567 | 0.572 | 0.005 |
| 23 | 3 | LDR-Unbiased | 0.571 | 0.573 | 0.002 |
| 25 | 3 | LDR-Unbiased | 0.571 | 0.567 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.575 | 0.571 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.571 | 0.574 | 0.003 |
| 46 | 10 | LDR-Biased | 0.574 | 0.556 | -0.018 |
| 48 | 10 | LDR-Biased | 0.57 | 0.558 | -0.012 |
| 49 | 10 | LDR-Biased | 0.573 | 0.567 | -0.006 |
| 50 | 10 | LDR-Biased | 0.571 | 0.56 | -0.011 |
| 51 | 10 | LDR-Biased | 0.573 | 0.57 | -0.003 |
| 52 | 10 | LDR-Unbiased | 0.567 | 0.574 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.571 | 0.574 | 0.003 |
| 55 | 10 | LDR-Unbiased | 0.571 | 0.567 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.575 | 0.57 | -0.005 |
| 57 | 10 | LDR-Unbiased | 0.571 | 0.573 | 0.002 |
| 76 | 30 | LDR-Biased | 0.574 | 0.556 | -0.018 |
| 78 | 30 | LDR-Biased | 0.57 | 0.545 | -0.025 |
| 79 | 30 | LDR-Biased | 0.573 | 0.567 | -0.006 |
| 80 | 30 | LDR-Biased | 0.571 | 0.56 | -0.011 |
| 81 | 30 | LDR-Biased | 0.573 | 0.567 | -0.006 |
| 82 | 30 | LDR-Unbiased | 0.567 | 0.568 | 0.001 |
| 83 | 30 | LDR-Unbiased | 0.571 | 0.569 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.571 | 0.567 | -0.004 |
| 85 | 30 | LDR-Unbiased | 0.571 | 0.562 | -0.009 |
| 86 | 30 | LDR-Unbiased | 0.575 | 0.565 | -0.01 |
| 87 | 100 | LDR-Biased | 0.576 | 0.558 | -0.018 |
| 88 | 100 | LDR-Biased | 0.576 | 0.568 | -0.008 |
| 90 | 100 | LDR-Biased | 0.571 | 0.569 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.566 | 0.554 | -0.012 |
| 93 | 100 | LDR-Unbiased | 0.573 | 0.56 | -0.013 |
| 94 | 100 | LDR-Unbiased | 0.574 | 0.559 | -0.015 |
| 95 | 100 | LDR-Unbiased | 0.568 | 0.562 | -0.006 |
| 96 | 100 | LDR-Unbiased | 0.572 | 0.555 | -0.017 |
| 106 | 50 | LDR-Biased | 0.574 | 0.545 | -0.029 |
| 108 | 50 | LDR-Biased | 0.57 | 0.551 | -0.019 |
| 109 | 50 | LDR-Biased | 0.573 | 0.561 | -0.012 |
| 110 | 50 | LDR-Biased | 0.571 | 0.545 | -0.026 |
| 111 | 50 | LDR-Biased | 0.573 | 0.563 | -0.01 |
| 112 | 50 | LDR-Unbiased | 0.567 | 0.565 | -0.002 |
| 113 | 50 | LDR-Unbiased | 0.571 | 0.565 | -0.006 |
| 115 | 50 | LDR-Unbiased | 0.571 | 0.559 | -0.012 |
| 116 | 50 | LDR-Unbiased | 0.575 | 0.563 | -0.012 |
| 117 | 50 | LDR-Unbiased | 0.571 | 0.564 | -0.007 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.571 | 0.5715 | 0.572 | 0.00070711 | 0.571 | 0.5715 | 0.572 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.567 | 0.5716 | 0.575 | 0.0022706 | 0.56 | 0.5689 | 0.574 | 0.0052377 | -0.014 | -0.0027 | 0.005 | 0.0058509 |
| 10 | 0.567 | 0.5716 | 0.575 | 0.0022706 | 0.556 | 0.5669 | 0.574 | 0.0066908 | -0.018 | -0.0047 | 0.007 | 0.0075726 |
| 30 | 0.567 | 0.5716 | 0.575 | 0.0022706 | 0.545 | 0.5626 | 0.569 | 0.0074117 | -0.025 | -0.009 | 0.001 | 0.0077028 |
| 50 | 0.567 | 0.5716 | 0.575 | 0.0022706 | 0.545 | 0.5581 | 0.565 | 0.008034 | -0.029 | -0.0135 | -0.002 | 0.0086699 |
| 100 | 0.566 | 0.572 | 0.576 | 0.0035857 | 0.554 | 0.56063 | 0.569 | 0.0055016 | -0.018 | -0.011375 | -0.002 | 0.0056045 |

# Device Test: 6.67 VOL_2mA_EN4/EN4/7/3/0/0/2/@VOL_EN_2MA



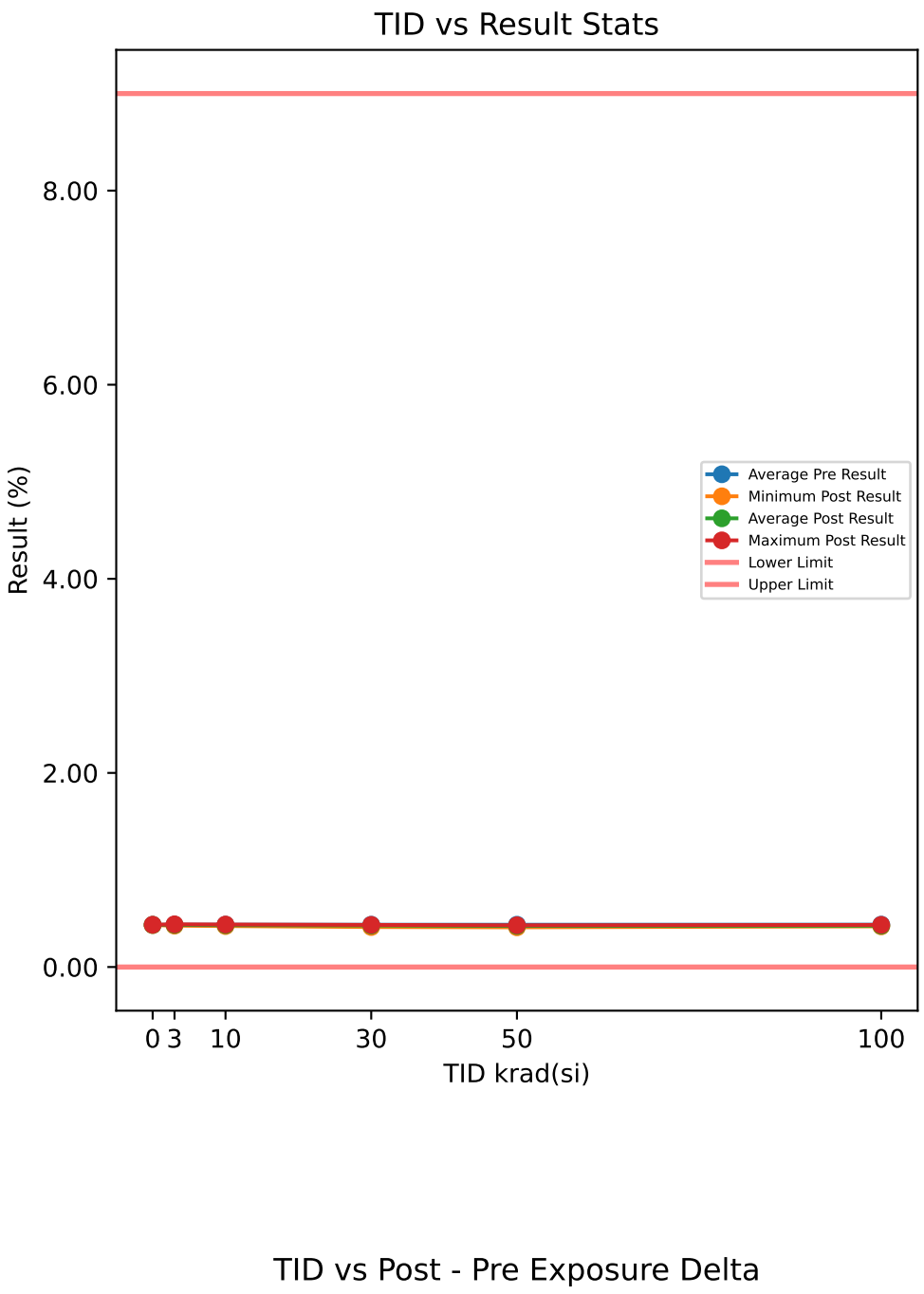

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

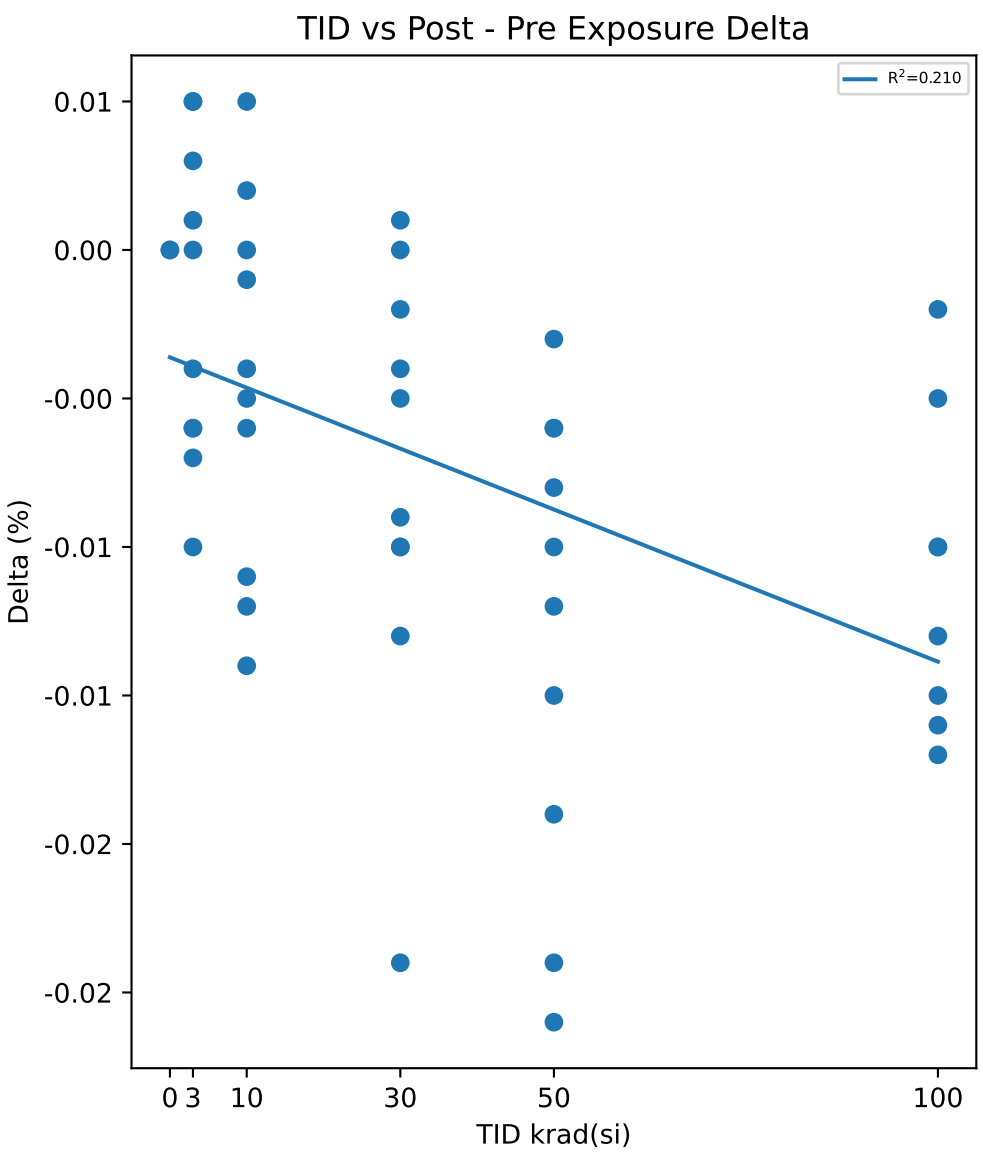
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.555 | 0.555 | 0 |
| 7 | 0 | Correlation | 0.555 | 0.555 | 0 |
| 16 | 3 | LDR-Biased | 0.557 | 0.542 | -0.015 |
| 18 | 3 | LDR-Biased | 0.555 | 0.545 | -0.01 |
| 19 | 3 | LDR-Biased | 0.555 | 0.555 | 0 |
| 20 | 3 | LDR-Biased | 0.554 | 0.547 | -0.007 |
| 21 | 3 | LDR-Biased | 0.557 | 0.556 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.553 | 0.557 | 0.004 |
| 23 | 3 | LDR-Unbiased | 0.553 | 0.556 | 0.003 |
| 25 | 3 | LDR-Unbiased | 0.553 | 0.551 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.558 | 0.554 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.556 | 0.555 | -0.001 |
| 46 | 10 | LDR-Biased | 0.557 | 0.539 | -0.018 |
| 48 | 10 | LDR-Biased | 0.555 | 0.541 | -0.014 |
| 49 | 10 | LDR-Biased | 0.555 | 0.551 | -0.004 |
| 50 | 10 | LDR-Biased | 0.554 | 0.544 | -0.01 |
| 51 | 10 | LDR-Biased | 0.557 | 0.553 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.553 | 0.56 | 0.007 |
| 53 | 10 | LDR-Unbiased | 0.553 | 0.557 | 0.004 |
| 55 | 10 | LDR-Unbiased | 0.553 | 0.552 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.558 | 0.554 | -0.004 |
| 57 | 10 | LDR-Unbiased | 0.556 | 0.556 | 0 |
| 76 | 30 | LDR-Biased | 0.557 | 0.54 | -0.017 |
| 78 | 30 | LDR-Biased | 0.555 | 0.529 | -0.026 |
| 79 | 30 | LDR-Biased | 0.555 | 0.551 | -0.004 |
| 80 | 30 | LDR-Biased | 0.554 | 0.544 | -0.01 |
| 81 | 30 | LDR-Biased | 0.557 | 0.55 | -0.007 |
| 82 | 30 | LDR-Unbiased | 0.553 | 0.554 | 0.001 |
| 83 | 30 | LDR-Unbiased | 0.553 | 0.552 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.556 | 0.55 | -0.006 |
| 85 | 30 | LDR-Unbiased | 0.553 | 0.547 | -0.006 |
| 86 | 30 | LDR-Unbiased | 0.558 | 0.549 | -0.009 |
| 87 | 100 | LDR-Biased | 0.56 | 0.542 | -0.018 |
| 88 | 100 | LDR-Biased | 0.56 | 0.553 | -0.007 |
| 90 | 100 | LDR-Biased | 0.556 | 0.553 | -0.003 |
| 91 | 100 | LDR-Unbiased | 0.552 | 0.539 | -0.013 |
| 93 | 100 | LDR-Unbiased | 0.557 | 0.543 | -0.014 |
| 94 | 100 | LDR-Unbiased | 0.558 | 0.542 | -0.016 |
| 95 | 100 | LDR-Unbiased | 0.552 | 0.545 | -0.007 |
| 96 | 100 | LDR-Unbiased | 0.556 | 0.539 | -0.017 |
| 106 | 50 | LDR-Biased | 0.557 | 0.528 | -0.029 |
| 108 | 50 | LDR-Biased | 0.555 | 0.535 | -0.02 |
| 109 | 50 | LDR-Biased | 0.555 | 0.546 | -0.009 |
| 110 | 50 | LDR-Biased | 0.554 | 0.529 | -0.025 |
| 111 | 50 | LDR-Biased | 0.557 | 0.547 | -0.01 |
| 112 | 50 | LDR-Unbiased | 0.553 | 0.551 | -0.002 |
| 113 | 50 | LDR-Unbiased | 0.553 | 0.549 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.553 | 0.544 | -0.009 |
| 116 | 50 | LDR-Unbiased | 0.558 | 0.548 | -0.01 |
| 117 | 50 | LDR-Unbiased | 0.556 | 0.548 | -0.008 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.555 | 0.555 | 0.555 | 0 | 0.555 | 0.555 | 0.555 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.553 | 0.5551 | 0.558 | 0.0018529 | 0.542 | 0.5518 | 0.557 | 0.0053083 | -0.015 | -0.0033 | 0.004 | 0.0058888 |
| 10 | 0.553 | 0.5551 | 0.558 | 0.0018529 | 0.539 | 0.5507 | 0.56 | 0.0070561 | -0.018 | -0.0044 | 0.007 | 0.0077488 |
| 30 | 0.553 | 0.5551 | 0.558 | 0.0018529 | 0.529 | 0.5466 | 0.554 | 0.0073967 | -0.026 | -0.0085 | 0.001 | 0.0079057 |
| 50 | 0.553 | 0.5551 | 0.558 | 0.0018529 | 0.528 | 0.5425 | 0.551 | 0.0085538 | -0.029 | -0.0126 | -0.002 | 0.0089716 |
| 100 | 0.552 | 0.55638 | 0.56 | 0.0031139 | 0.539 | 0.5445 | 0.553 | 0.0056061 | -0.018 | -0.011875 | -0.003 | 0.0055146 |

# Device Test: 6.68 VOL_2mA_SEQ/SEQ_DONE/7/3/0/0/2/@VOL_SEQ_DONE_2MA



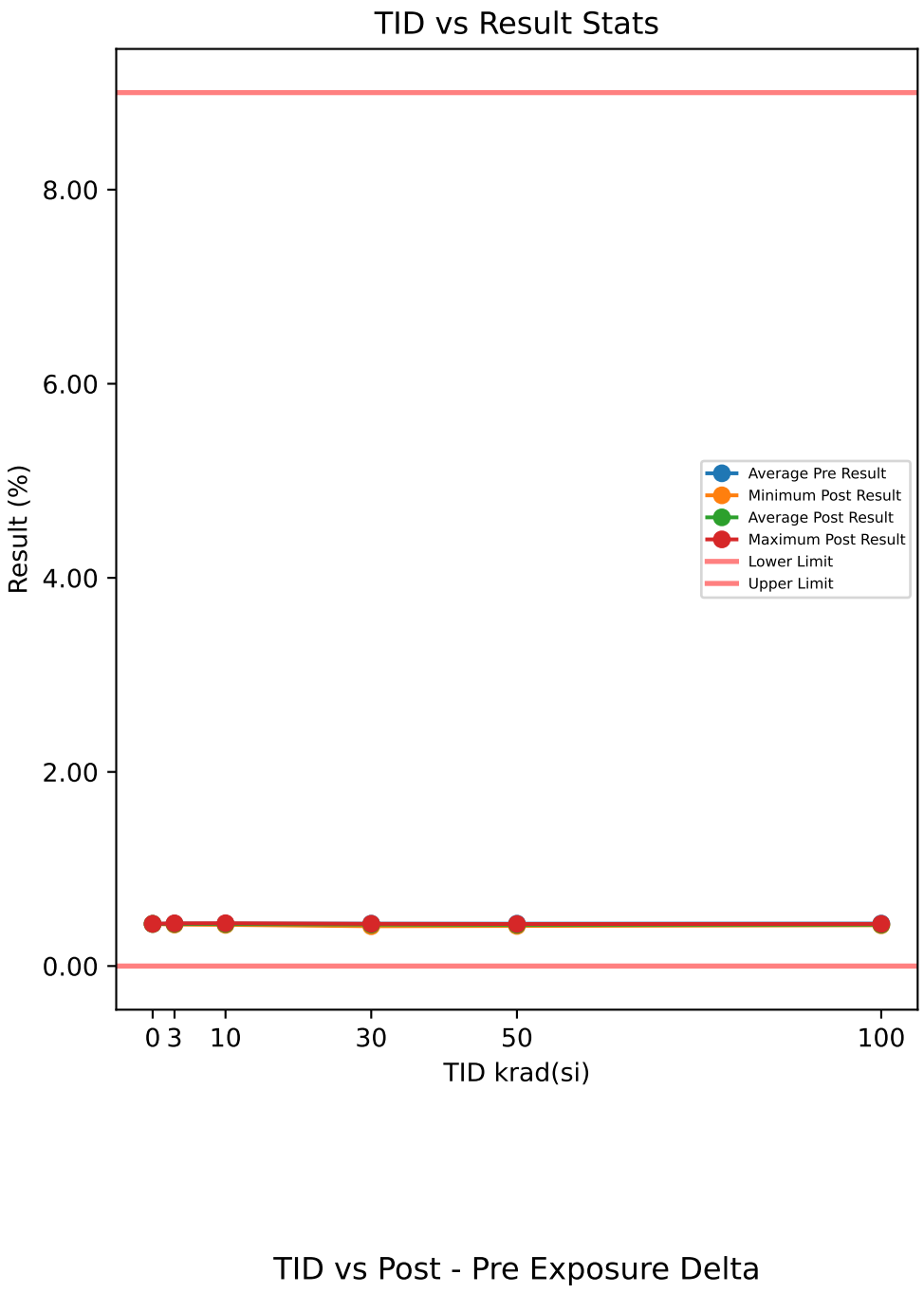

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

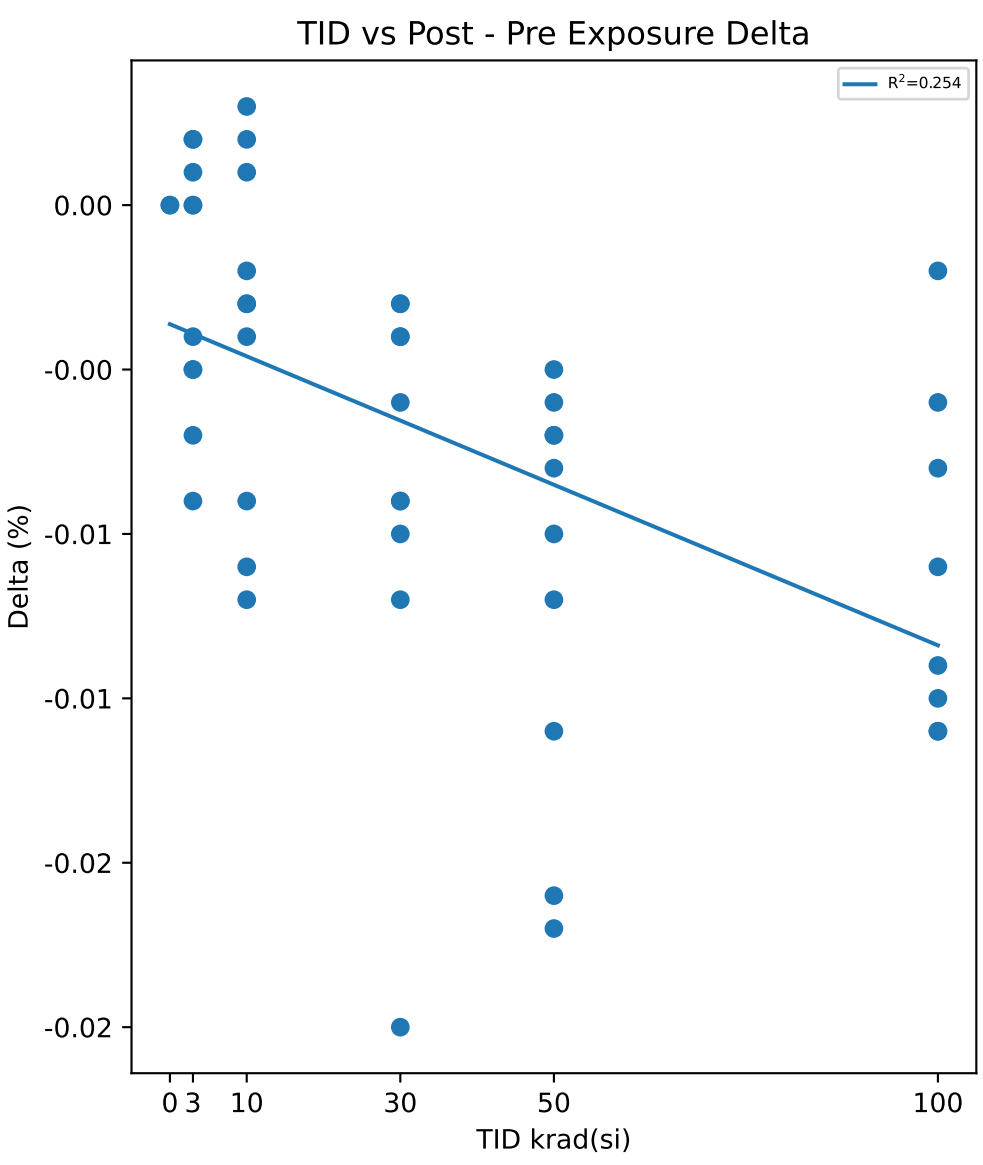
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.436 | 0.436 | 0 |
| 7 | 0 | Correlation | 0.432 | 0.432 | 0 |
| 16 | 3 | LDR-Biased | 0.436 | 0.426 | -0.01 |
| 18 | 3 | LDR-Biased | 0.436 | 0.429 | -0.007 |
| 19 | 3 | LDR-Biased | 0.433 | 0.438 | 0.005 |
| 20 | 3 | LDR-Biased | 0.435 | 0.429 | -0.006 |
| 21 | 3 | LDR-Biased | 0.439 | 0.44 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.433 | 0.438 | 0.005 |
| 23 | 3 | LDR-Unbiased | 0.435 | 0.435 | 0 |
| 25 | 3 | LDR-Unbiased | 0.435 | 0.429 | -0.006 |
| 26 | 3 | LDR-Unbiased | 0.439 | 0.435 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.436 | 0.439 | 0.003 |
| 46 | 10 | LDR-Biased | 0.436 | 0.422 | -0.014 |
| 48 | 10 | LDR-Biased | 0.436 | 0.424 | -0.012 |
| 49 | 10 | LDR-Biased | 0.433 | 0.432 | -0.001 |
| 50 | 10 | LDR-Biased | 0.435 | 0.424 | -0.011 |
| 51 | 10 | LDR-Biased | 0.439 | 0.435 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.433 | 0.438 | 0.005 |
| 53 | 10 | LDR-Unbiased | 0.435 | 0.435 | 0 |
| 55 | 10 | LDR-Unbiased | 0.435 | 0.429 | -0.006 |
| 56 | 10 | LDR-Unbiased | 0.439 | 0.434 | -0.005 |
| 57 | 10 | LDR-Unbiased | 0.436 | 0.438 | 0.002 |
| 76 | 30 | LDR-Biased | 0.436 | 0.423 | -0.013 |
| 78 | 30 | LDR-Biased | 0.436 | 0.412 | -0.024 |
| 79 | 30 | LDR-Biased | 0.433 | 0.433 | 0 |
| 80 | 30 | LDR-Biased | 0.435 | 0.425 | -0.01 |
| 81 | 30 | LDR-Biased | 0.439 | 0.434 | -0.005 |
| 82 | 30 | LDR-Unbiased | 0.433 | 0.434 | 0.001 |
| 83 | 30 | LDR-Unbiased | 0.435 | 0.431 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.436 | 0.434 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.435 | 0.425 | -0.01 |
| 86 | 30 | LDR-Unbiased | 0.439 | 0.43 | -0.009 |
| 87 | 100 | LDR-Biased | 0.441 | 0.424 | -0.017 |
| 88 | 100 | LDR-Biased | 0.438 | 0.433 | -0.005 |
| 90 | 100 | LDR-Biased | 0.436 | 0.434 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.432 | 0.419 | -0.013 |
| 93 | 100 | LDR-Unbiased | 0.439 | 0.423 | -0.016 |
| 94 | 100 | LDR-Unbiased | 0.436 | 0.426 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.434 | 0.424 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.436 | 0.421 | -0.015 |
| 106 | 50 | LDR-Biased | 0.436 | 0.412 | -0.024 |
| 108 | 50 | LDR-Biased | 0.436 | 0.417 | -0.019 |
| 109 | 50 | LDR-Biased | 0.433 | 0.427 | -0.006 |
| 110 | 50 | LDR-Biased | 0.435 | 0.409 | -0.026 |
| 111 | 50 | LDR-Biased | 0.439 | 0.429 | -0.01 |
| 112 | 50 | LDR-Unbiased | 0.433 | 0.43 | -0.003 |
| 113 | 50 | LDR-Unbiased | 0.435 | 0.427 | -0.008 |
| 115 | 50 | LDR-Unbiased | 0.435 | 0.42 | -0.015 |
| 116 | 50 | LDR-Unbiased | 0.439 | 0.427 | -0.012 |
| 117 | 50 | LDR-Unbiased | 0.436 | 0.43 | -0.006 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.432 | 0.434 | 0.436 | 0.0028284 | 0.432 | 0.434 | 0.436 | 0.0028284 | 0 | 0 | 0 | 0 |
| 3 | 0.433 | 0.4357 | 0.439 | 0.0020575 | 0.426 | 0.4338 | 0.44 | 0.0050947 | -0.01 | -0.0019 | 0.005 | 0.0053841 |
| 10 | 0.433 | 0.4357 | 0.439 | 0.0020575 | 0.422 | 0.4311 | 0.438 | 0.0059898 | -0.014 | -0.0046 | 0.005 | 0.0062929 |
| 30 | 0.433 | 0.4357 | 0.439 | 0.0020575 | 0.412 | 0.4281 | 0.434 | 0.0070309 | -0.024 | -0.0076 | 0.001 | 0.0074117 |
| 50 | 0.433 | 0.4357 | 0.439 | 0.0020575 | 0.409 | 0.4228 | 0.43 | 0.0077717 | -0.026 | -0.0129 | -0.003 | 0.0079085 |
| 100 | 0.432 | 0.4365 | 0.441 | 0.0028284 | 0.419 | 0.4255 | 0.434 | 0.0053719 | -0.017 | -0.011 | -0.002 | 0.0053452 |

# Device Test: 6.69 VOL_2mA_PWRGD/PWRGD/7/3/0/0/2/@VOL_PWRGD_2MA



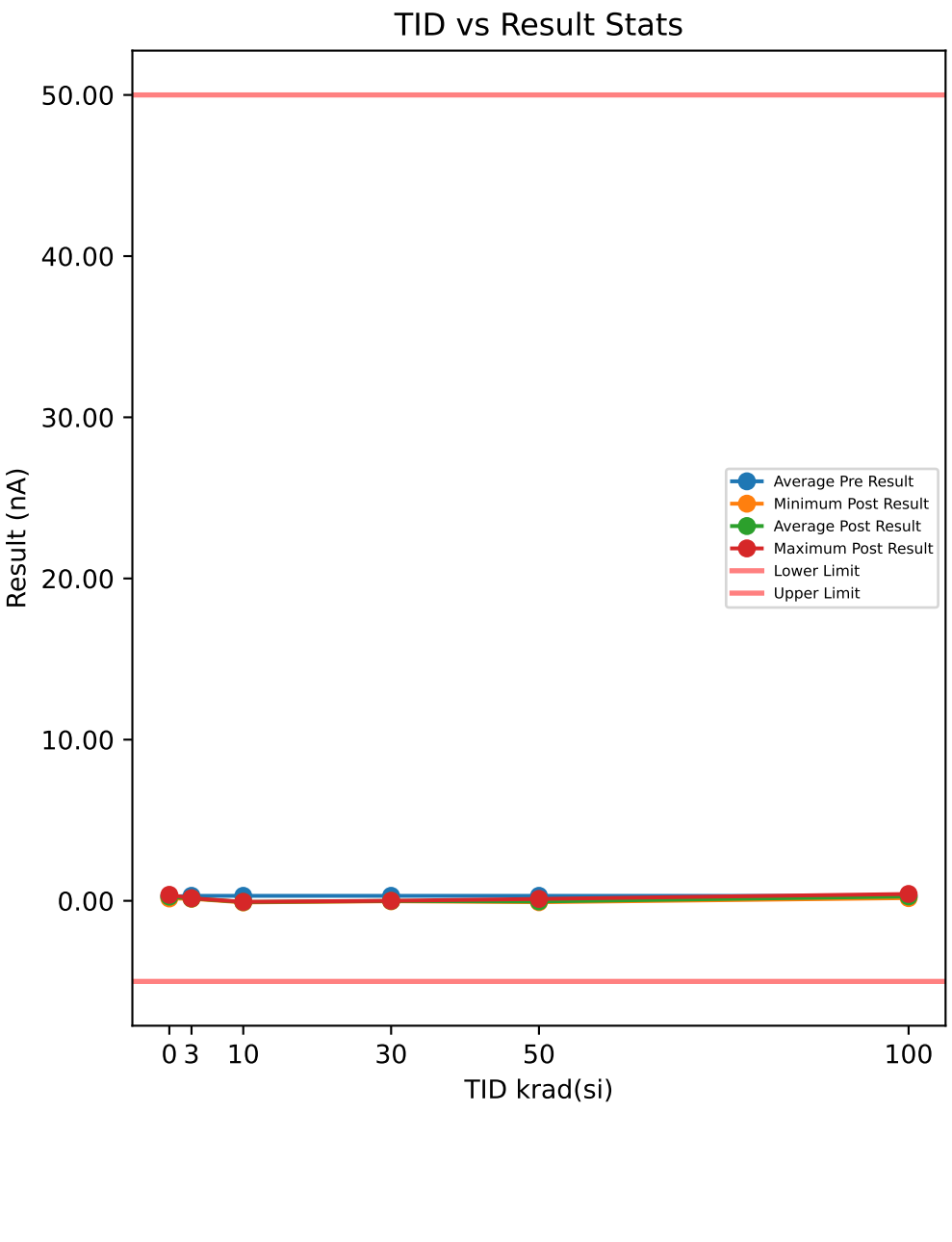

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.435 | 0.435 | 0 |
| 7 | 0 | Correlation | 0.433 | 0.433 | 0 |
| 16 | 3 | LDR-Biased | 0.436 | 0.427 | -0.009 |
| 18 | 3 | LDR-Biased | 0.435 | 0.428 | -0.007 |
| 19 | 3 | LDR-Biased | 0.436 | 0.438 | 0.002 |
| 20 | 3 | LDR-Biased | 0.435 | 0.43 | -0.005 |
| 21 | 3 | LDR-Biased | 0.439 | 0.44 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.435 | 0.435 | 0 |
| 23 | 3 | LDR-Unbiased | 0.435 | 0.435 | 0 |
| 25 | 3 | LDR-Unbiased | 0.435 | 0.43 | -0.005 |
| 26 | 3 | LDR-Unbiased | 0.438 | 0.434 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.438 | 0.44 | 0.002 |
| 46 | 10 | LDR-Biased | 0.436 | 0.424 | -0.012 |
| 48 | 10 | LDR-Biased | 0.435 | 0.424 | -0.011 |
| 49 | 10 | LDR-Biased | 0.436 | 0.434 | -0.002 |
| 50 | 10 | LDR-Biased | 0.435 | 0.426 | -0.009 |
| 51 | 10 | LDR-Biased | 0.439 | 0.436 | -0.003 |
| 52 | 10 | LDR-Unbiased | 0.435 | 0.437 | 0.002 |
| 53 | 10 | LDR-Unbiased | 0.435 | 0.436 | 0.001 |
| 55 | 10 | LDR-Unbiased | 0.435 | 0.431 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.438 | 0.435 | -0.003 |
| 57 | 10 | LDR-Unbiased | 0.438 | 0.441 | 0.003 |
| 76 | 30 | LDR-Biased | 0.436 | 0.424 | -0.012 |
| 78 | 30 | LDR-Biased | 0.435 | 0.41 | -0.025 |
| 79 | 30 | LDR-Biased | 0.436 | 0.433 | -0.003 |
| 80 | 30 | LDR-Biased | 0.435 | 0.426 | -0.009 |
| 81 | 30 | LDR-Biased | 0.439 | 0.433 | -0.006 |
| 82 | 30 | LDR-Unbiased | 0.435 | 0.431 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.435 | 0.431 | -0.004 |
| 84 | 30 | LDR-Unbiased | 0.438 | 0.435 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.435 | 0.425 | -0.01 |
| 86 | 30 | LDR-Unbiased | 0.438 | 0.429 | -0.009 |
| 87 | 100 | LDR-Biased | 0.439 | 0.423 | -0.016 |
| 88 | 100 | LDR-Biased | 0.439 | 0.433 | -0.006 |
| 90 | 100 | LDR-Biased | 0.436 | 0.434 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.434 | 0.42 | -0.014 |
| 93 | 100 | LDR-Unbiased | 0.439 | 0.423 | -0.016 |
| 94 | 100 | LDR-Unbiased | 0.436 | 0.428 | -0.008 |
| 95 | 100 | LDR-Unbiased | 0.436 | 0.425 | -0.011 |
| 96 | 100 | LDR-Unbiased | 0.438 | 0.423 | -0.015 |
| 106 | 50 | LDR-Biased | 0.436 | 0.415 | -0.021 |
| 108 | 50 | LDR-Biased | 0.435 | 0.419 | -0.016 |
| 109 | 50 | LDR-Biased | 0.436 | 0.429 | -0.007 |
| 110 | 50 | LDR-Biased | 0.435 | 0.413 | -0.022 |
| 111 | 50 | LDR-Biased | 0.439 | 0.431 | -0.008 |
| 112 | 50 | LDR-Unbiased | 0.435 | 0.429 | -0.006 |
| 113 | 50 | LDR-Unbiased | 0.435 | 0.428 | -0.007 |
| 115 | 50 | LDR-Unbiased | 0.435 | 0.423 | -0.012 |
| 116 | 50 | LDR-Unbiased | 0.438 | 0.428 | -0.01 |
| 117 | 50 | LDR-Unbiased | 0.438 | 0.433 | -0.005 |

Test Statistics (%)

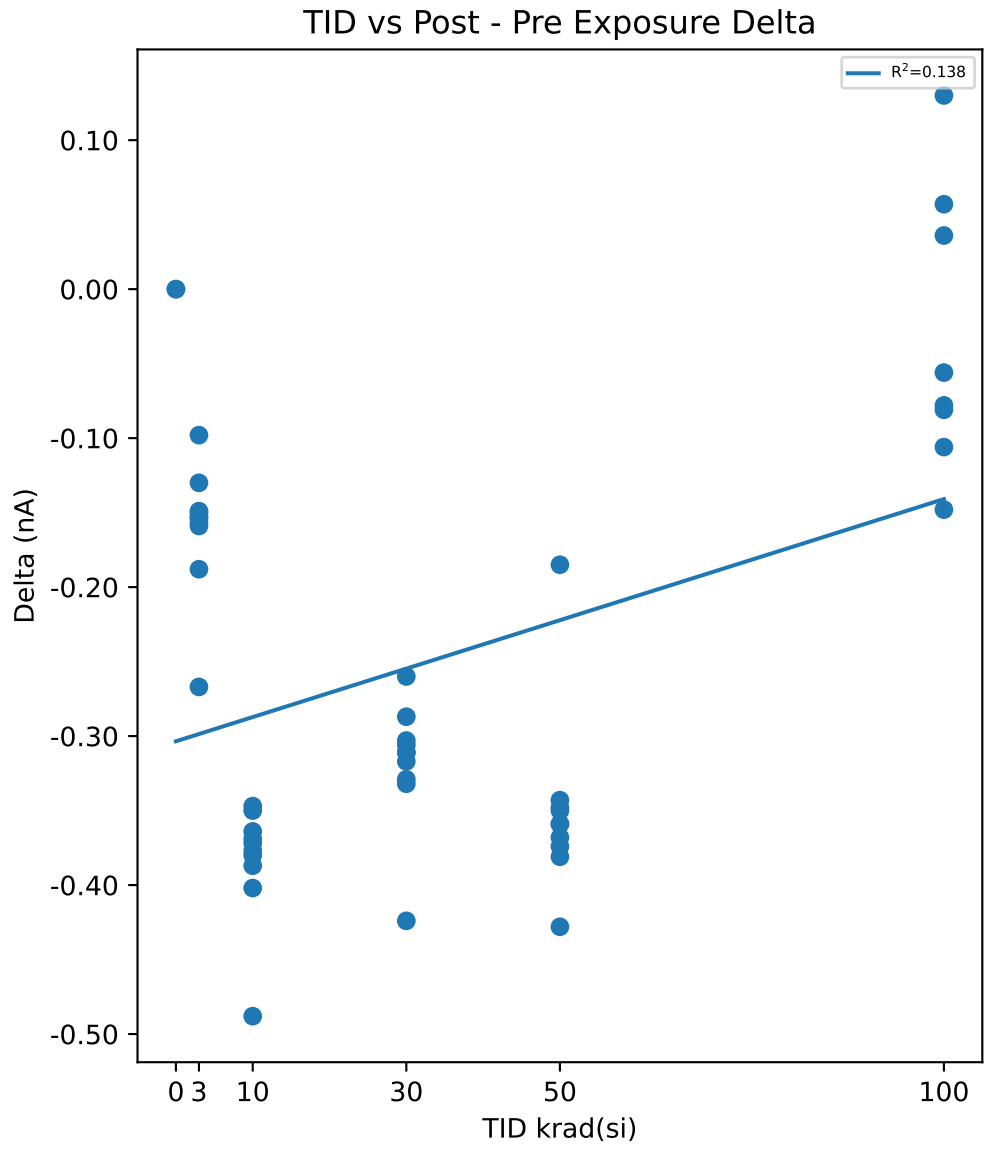
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.433 | 0.434 | 0.435 | 0.0014142 | 0.433 | 0.434 | 0.435 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 0.435 | 0.4362 | 0.439 | 0.0015492 | 0.427 | 0.4337 | 0.44 | 0.0047854 | -0.009 | -0.0025 | 0.002 | 0.0039791 |
| 10 | 0.435 | 0.4362 | 0.439 | 0.0015492 | 0.424 | 0.4324 | 0.441 | 0.0059104 | -0.012 | -0.0038 | 0.003 | 0.0053083 |
| 30 | 0.435 | 0.4362 | 0.439 | 0.0015492 | 0.41 | 0.4277 | 0.435 | 0.0072273 | -0.025 | -0.0085 | -0.003 | 0.0066207 |
| 50 | 0.435 | 0.4362 | 0.439 | 0.0015492 | 0.413 | 0.4248 | 0.433 | 0.006941 | -0.022 | -0.0114 | -0.005 | 0.0062218 |
| 100 | 0.434 | 0.43712 | 0.439 | 0.0018851 | 0.42 | 0.42612 | 0.434 | 0.0050832 | -0.016 | -0.011 | -0.002 | 0.0052099 |

# Device Test: 6.7 ILKG_UP/UP//3/0/0/0/@ILKG_UP_DOWN




Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

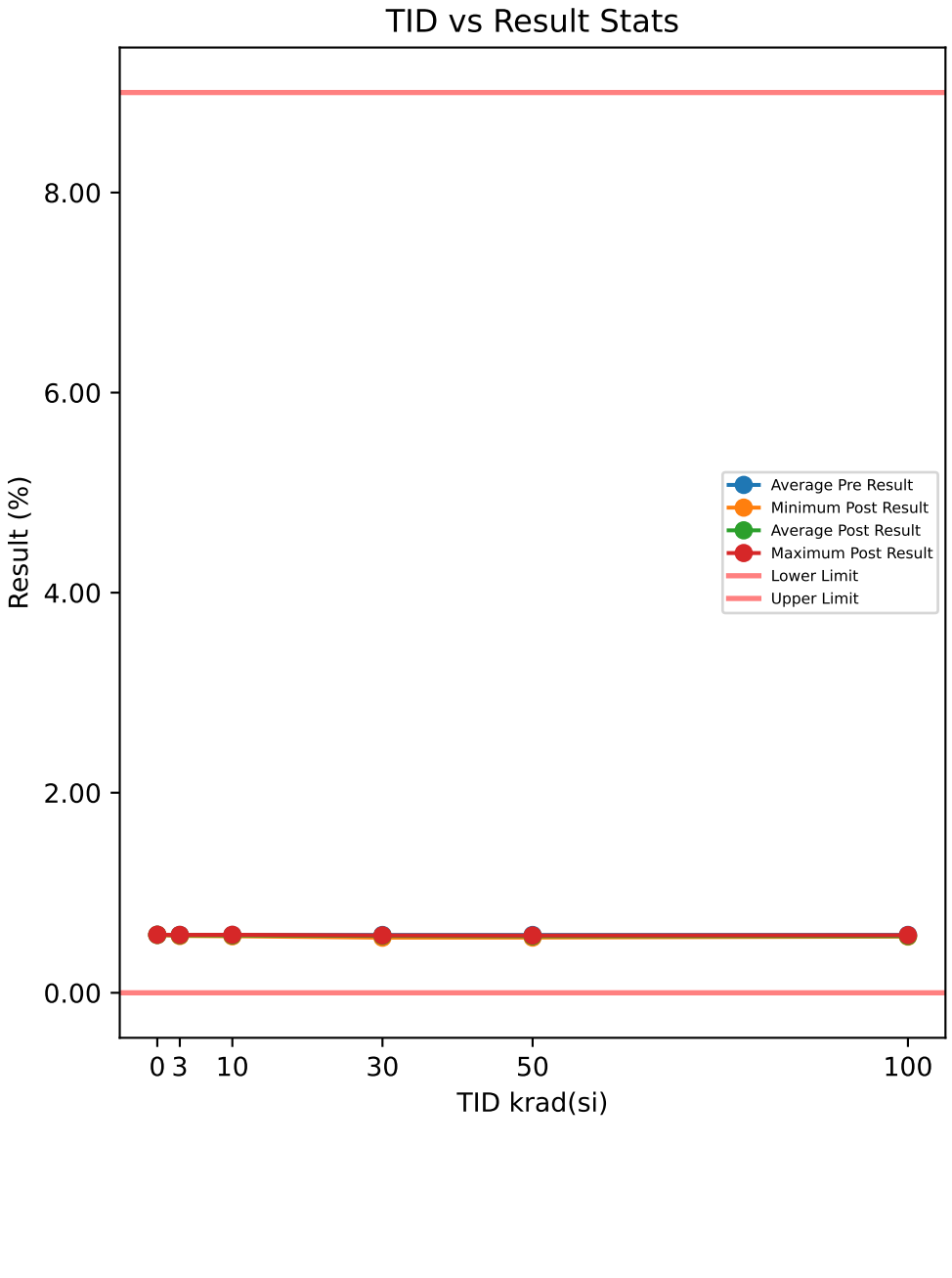
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.371 | 0.371 | 0 |
| 7 | 0 | Correlation | 0.147 | 0.147 | 0 |
| 16 | 3 | LDR-Biased | 0.415 | 0.148 | -0.267 |
| 18 | 3 | LDR-Biased | 0.313 | 0.159 | -0.154 |
| 19 | 3 | LDR-Biased | 0.304 | 0.147 | -0.157 |
| 20 | 3 | LDR-Biased | 0.313 | 0.125 | -0.188 |
| 21 | 3 | LDR-Biased | 0.302 | 0.153 | -0.149 |
| 22 | 3 | LDR-Unbiased | 0.3 | 0.141 | -0.159 |
| 23 | 3 | LDR-Unbiased | 0.289 | 0.139 | -0.15 |
| 25 | 3 | LDR-Unbiased | 0.256 | 0.158 | -0.098 |
| 26 | 3 | LDR-Unbiased | 0.29 | 0.16 | -0.13 |
| 27 | 3 | LDR-Unbiased | 0.301 | 0.148 | -0.153 |
| 46 | 10 | LDR-Biased | 0.415 | -0.073 | -0.488 |
| 48 | 10 | LDR-Biased | 0.313 | -0.074 | -0.387 |
| 49 | 10 | LDR-Biased | 0.304 | -0.073 | -0.377 |
| 50 | 10 | LDR-Biased | 0.313 | -0.067 | -0.38 |
| 51 | 10 | LDR-Biased | 0.302 | -0.067 | -0.369 |
| 52 | 10 | LDR-Unbiased | 0.3 | -0.102 | -0.402 |
| 53 | 10 | LDR-Unbiased | 0.289 | -0.061 | -0.35 |
| 55 | 10 | LDR-Unbiased | 0.256 | -0.091 | -0.347 |
| 56 | 10 | LDR-Unbiased | 0.29 | -0.082 | -0.372 |
| 57 | 10 | LDR-Unbiased | 0.301 | -0.063 | -0.364 |
| 76 | 30 | LDR-Biased | 0.415 | -0.009 | -0.424 |
| 78 | 30 | LDR-Biased | 0.313 | -0.019 | -0.332 |
| 79 | 30 | LDR-Biased | 0.304 | -0.007 | -0.311 |
| 80 | 30 | LDR-Biased | 0.313 | -0.004 | -0.317 |
| 81 | 30 | LDR-Biased | 0.302 | -0.004 | -0.306 |
| 82 | 30 | LDR-Unbiased | 0.3 | -0.003 | -0.303 |
| 83 | 30 | LDR-Unbiased | 0.289 | -0.022 | -0.311 |
| 84 | 30 | LDR-Unbiased | 0.301 | -0.028 | -0.329 |
| 85 | 30 | LDR-Unbiased | 0.256 | -0.004 | -0.26 |
| 86 | 30 | LDR-Unbiased | 0.29 | 0.003 | -0.287 |
| 87 | 100 | LDR-Biased | 0.296 | 0.332 | 0.036 |
| 88 | 100 | LDR-Biased | 0.294 | 0.424 | 0.13 |
| 90 | 100 | LDR-Biased | 0.286 | 0.208 | -0.078 |
| 91 | 100 | LDR-Unbiased | 0.309 | 0.366 | 0.057 |
| 93 | 100 | LDR-Unbiased | 0.3 | 0.219 | -0.081 |
| 94 | 100 | LDR-Unbiased | 0.326 | 0.22 | -0.106 |
| 95 | 100 | LDR-Unbiased | 0.316 | 0.168 | -0.148 |
| 96 | 100 | LDR-Unbiased | 0.287 | 0.231 | -0.056 |
| 106 | 50 | LDR-Biased | 0.415 | -0.013 | -0.428 |
| 108 | 50 | LDR-Biased | 0.313 | -0.037 | -0.35 |
| 109 | 50 | LDR-Biased | 0.304 | -0.07 | -0.374 |
| 110 | 50 | LDR-Biased | 0.313 | -0.068 | -0.381 |
| 111 | 50 | LDR-Biased | 0.302 | -0.046 | -0.348 |
| 112 | 50 | LDR-Unbiased | 0.3 | -0.059 | -0.359 |
| 113 | 50 | LDR-Unbiased | 0.289 | -0.07 | -0.359 |
| 115 | 50 | LDR-Unbiased | 0.256 | -0.087 | -0.343 |
| 116 | 50 | LDR-Unbiased | 0.29 | -0.078 | -0.368 |
| 117 | 50 | LDR-Unbiased | 0.301 | 0.116 | -0.185 |

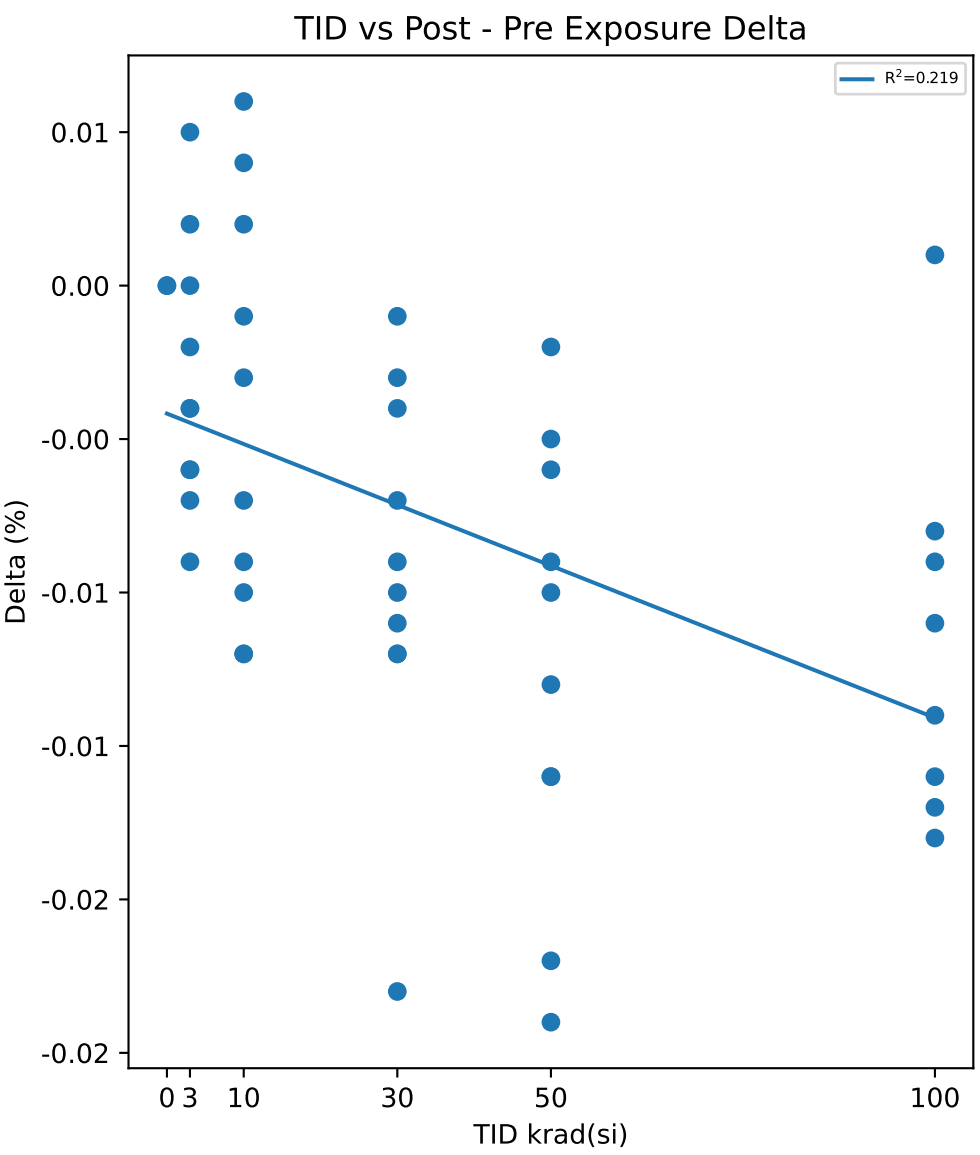



Test Statistics (nA)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.147 | 0.259 | 0.371 | 0.15839 | 0.147 | 0.259 | 0.371 | 0.15839 | 0 | 0 | 0 | 0 |
| 3 | 0.256 | 0.3083 | 0.415 | 0.040896 | 0.125 | 0.1478 | 0.16 | 0.010799 | -0.267 | -0.1605 | -0.098 | 0.043831 |
| 10 | 0.256 | 0.3083 | 0.415 | 0.040896 | -0.102 | -0.0753 | -0.061 | 0.012953 | -0.488 | -0.3836 | -0.347 | 0.040148 |
| 30 | 0.256 | 0.3083 | 0.415 | 0.040896 | -0.028 | -0.0097 | 0.003 | 0.0099113 | -0.424 | -0.318 | -0.26 | 0.042617 |
| 50 | 0.256 | 0.3083 | 0.415 | 0.040896 | -0.087 | -0.0412 | 0.116 | 0.059342 | -0.428 | -0.3495 | -0.185 | 0.062701 |
| 100 | 0.286 | 0.30175 | 0.326 | 0.01417 | 0.168 | 0.271 | 0.424 | 0.090741 | -0.148 | -0.03075 | 0.13 | 0.094719 |

# Device Test: 6.70 VOL_2mA_EN1/EN1/7/14/0/0/2/@VOL_EN_2MA



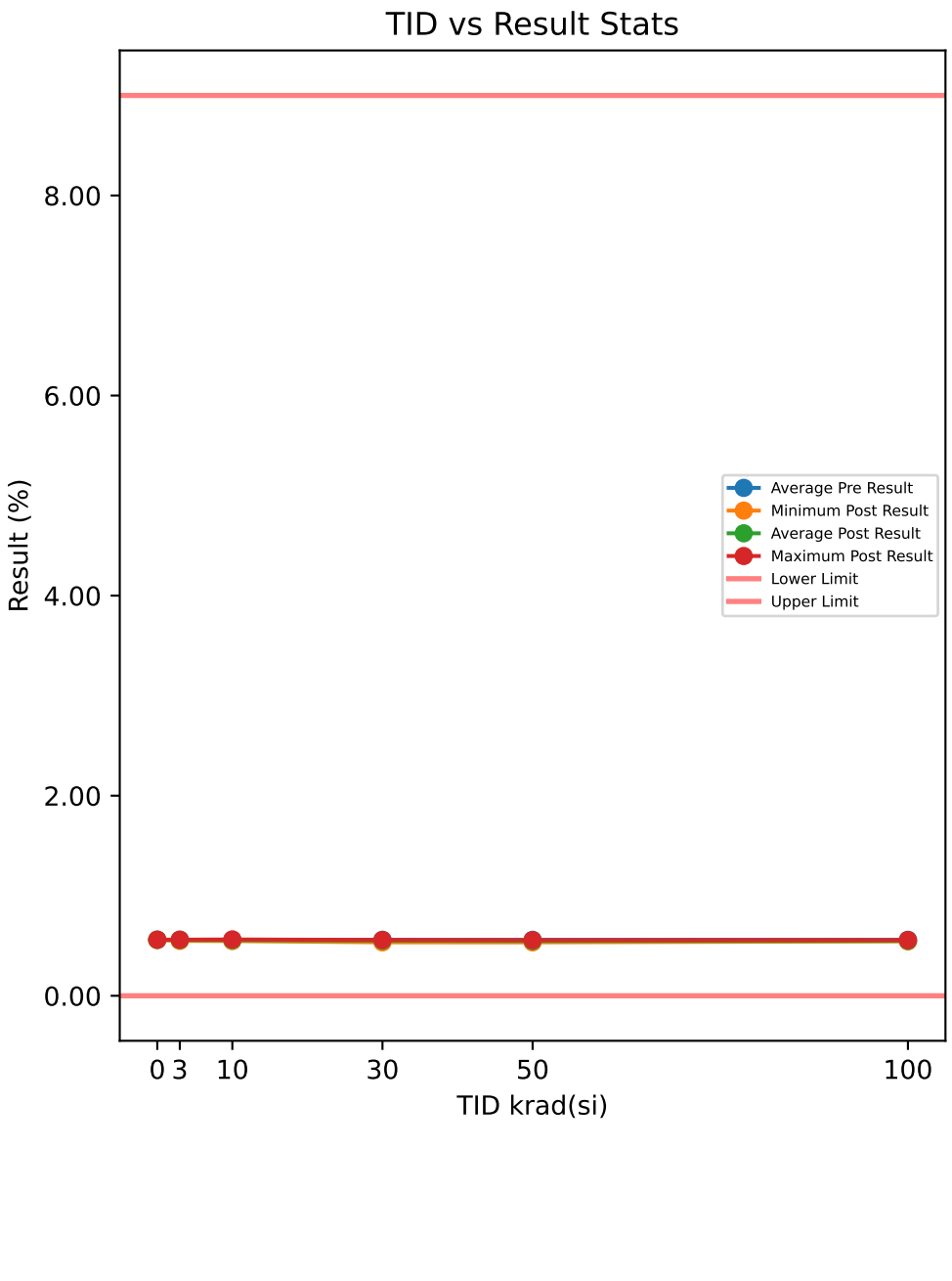

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

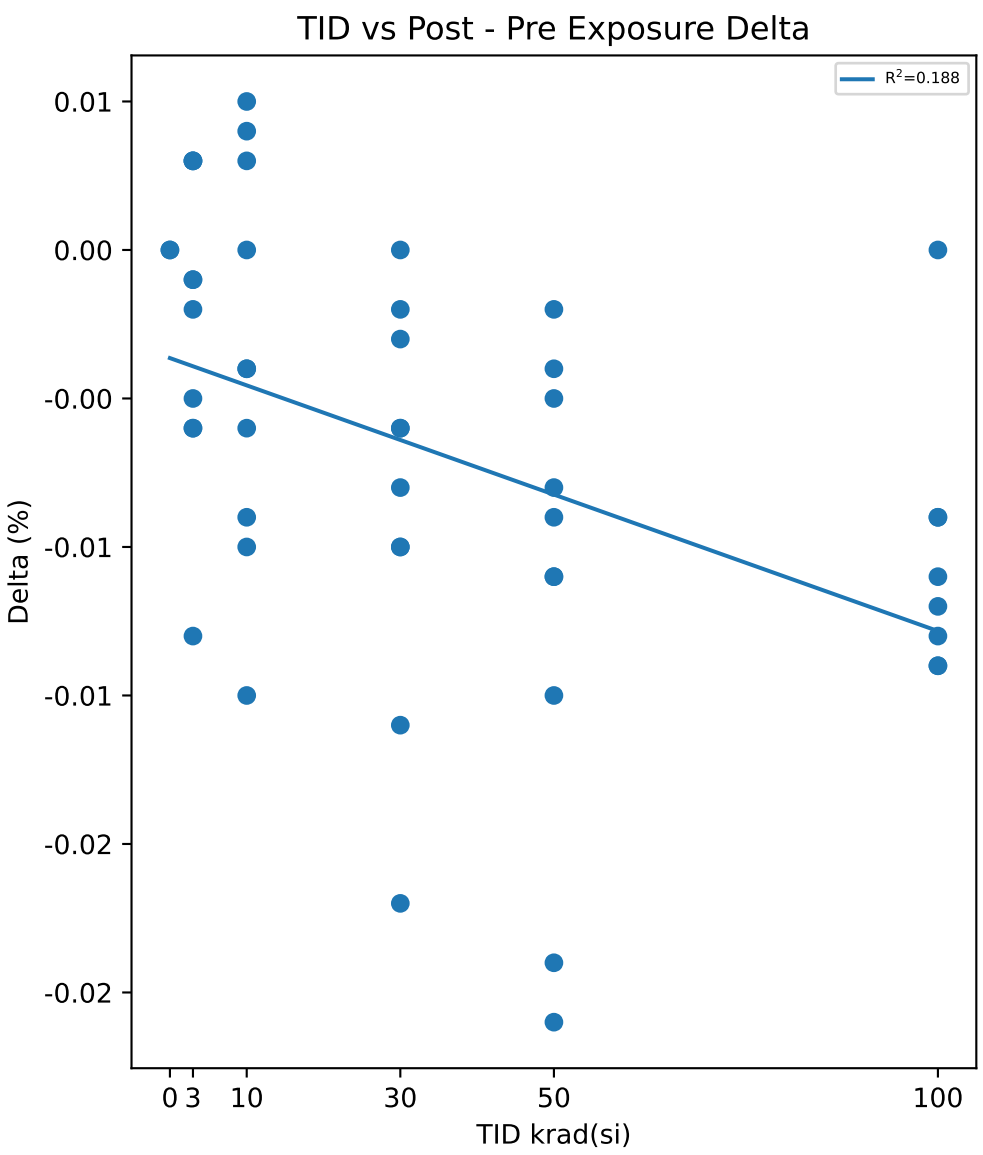
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.578 | 0.578 | 0 |
| 7 | 0 | Correlation | 0.581 | 0.581 | 0 |
| 16 | 3 | LDR-Biased | 0.58 | 0.571 | -0.009 |
| 18 | 3 | LDR-Biased | 0.574 | 0.568 | -0.006 |
| 19 | 3 | LDR-Biased | 0.579 | 0.572 | -0.007 |
| 20 | 3 | LDR-Biased | 0.576 | 0.57 | -0.006 |
| 21 | 3 | LDR-Biased | 0.582 | 0.578 | -0.004 |
| 22 | 3 | LDR-Unbiased | 0.578 | 0.578 | 0 |
| 23 | 3 | LDR-Unbiased | 0.575 | 0.577 | 0.002 |
| 25 | 3 | LDR-Unbiased | 0.58 | 0.578 | -0.002 |
| 26 | 3 | LDR-Unbiased | 0.583 | 0.579 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.574 | 0.579 | 0.005 |
| 46 | 10 | LDR-Biased | 0.58 | 0.568 | -0.012 |
| 48 | 10 | LDR-Biased | 0.574 | 0.565 | -0.009 |
| 49 | 10 | LDR-Biased | 0.579 | 0.567 | -0.012 |
| 50 | 10 | LDR-Biased | 0.576 | 0.566 | -0.01 |
| 51 | 10 | LDR-Biased | 0.582 | 0.575 | -0.007 |
| 52 | 10 | LDR-Unbiased | 0.578 | 0.58 | 0.002 |
| 53 | 10 | LDR-Unbiased | 0.575 | 0.579 | 0.004 |
| 55 | 10 | LDR-Unbiased | 0.58 | 0.579 | -0.001 |
| 56 | 10 | LDR-Unbiased | 0.583 | 0.58 | -0.003 |
| 57 | 10 | LDR-Unbiased | 0.574 | 0.58 | 0.006 |
| 76 | 30 | LDR-Biased | 0.58 | 0.568 | -0.012 |
| 78 | 30 | LDR-Biased | 0.574 | 0.551 | -0.023 |
| 79 | 30 | LDR-Biased | 0.579 | 0.567 | -0.012 |
| 80 | 30 | LDR-Biased | 0.576 | 0.566 | -0.01 |
| 81 | 30 | LDR-Biased | 0.582 | 0.571 | -0.011 |
| 82 | 30 | LDR-Unbiased | 0.578 | 0.574 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.575 | 0.572 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.574 | 0.573 | -0.001 |
| 85 | 30 | LDR-Unbiased | 0.58 | 0.573 | -0.007 |
| 86 | 30 | LDR-Unbiased | 0.583 | 0.574 | -0.009 |
| 87 | 100 | LDR-Biased | 0.582 | 0.566 | -0.016 |
| 88 | 100 | LDR-Biased | 0.583 | 0.575 | -0.008 |
| 90 | 100 | LDR-Biased | 0.575 | 0.576 | 0.001 |
| 91 | 100 | LDR-Unbiased | 0.576 | 0.562 | -0.014 |
| 93 | 100 | LDR-Unbiased | 0.582 | 0.565 | -0.017 |
| 94 | 100 | LDR-Unbiased | 0.58 | 0.562 | -0.018 |
| 95 | 100 | LDR-Unbiased | 0.576 | 0.567 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.575 | 0.564 | -0.011 |
| 106 | 50 | LDR-Biased | 0.58 | 0.558 | -0.022 |
| 108 | 50 | LDR-Biased | 0.574 | 0.558 | -0.016 |
| 109 | 50 | LDR-Biased | 0.579 | 0.563 | -0.016 |
| 110 | 50 | LDR-Biased | 0.576 | 0.552 | -0.024 |
| 111 | 50 | LDR-Biased | 0.582 | 0.569 | -0.013 |
| 112 | 50 | LDR-Unbiased | 0.578 | 0.572 | -0.006 |
| 113 | 50 | LDR-Unbiased | 0.575 | 0.57 | -0.005 |
| 115 | 50 | LDR-Unbiased | 0.58 | 0.571 | -0.009 |
| 116 | 50 | LDR-Unbiased | 0.583 | 0.573 | -0.01 |
| 117 | 50 | LDR-Unbiased | 0.574 | 0.572 | -0.002 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.578 | 0.5795 | 0.581 | 0.0021213 | 0.578 | 0.5795 | 0.581 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 0.574 | 0.5781 | 0.583 | 0.0032472 | 0.568 | 0.575 | 0.579 | 0.0042426 | -0.009 | -0.0031 | 0.005 | 0.0043576 |
| 10 | 0.574 | 0.5781 | 0.583 | 0.0032472 | 0.565 | 0.5739 | 0.58 | 0.0065735 | -0.012 | -0.0042 | 0.006 | 0.0067297 |
| 30 | 0.574 | 0.5781 | 0.583 | 0.0032472 | 0.551 | 0.5689 | 0.574 | 0.0069354 | -0.023 | -0.0092 | -0.001 | 0.0062147 |
| 50 | 0.574 | 0.5781 | 0.583 | 0.0032472 | 0.552 | 0.5658 | 0.573 | 0.0074803 | -0.024 | -0.0123 | -0.002 | 0.0072579 |
| 100 | 0.575 | 0.57862 | 0.583 | 0.0034615 | 0.562 | 0.56712 | 0.576 | 0.0054625 | -0.018 | -0.0115 | 0.001 | 0.0062564 |

# Device Test: 6.71 VOL_2mA_EN2/EN2/7/14/0/0/2/@VOL_EN_2MA



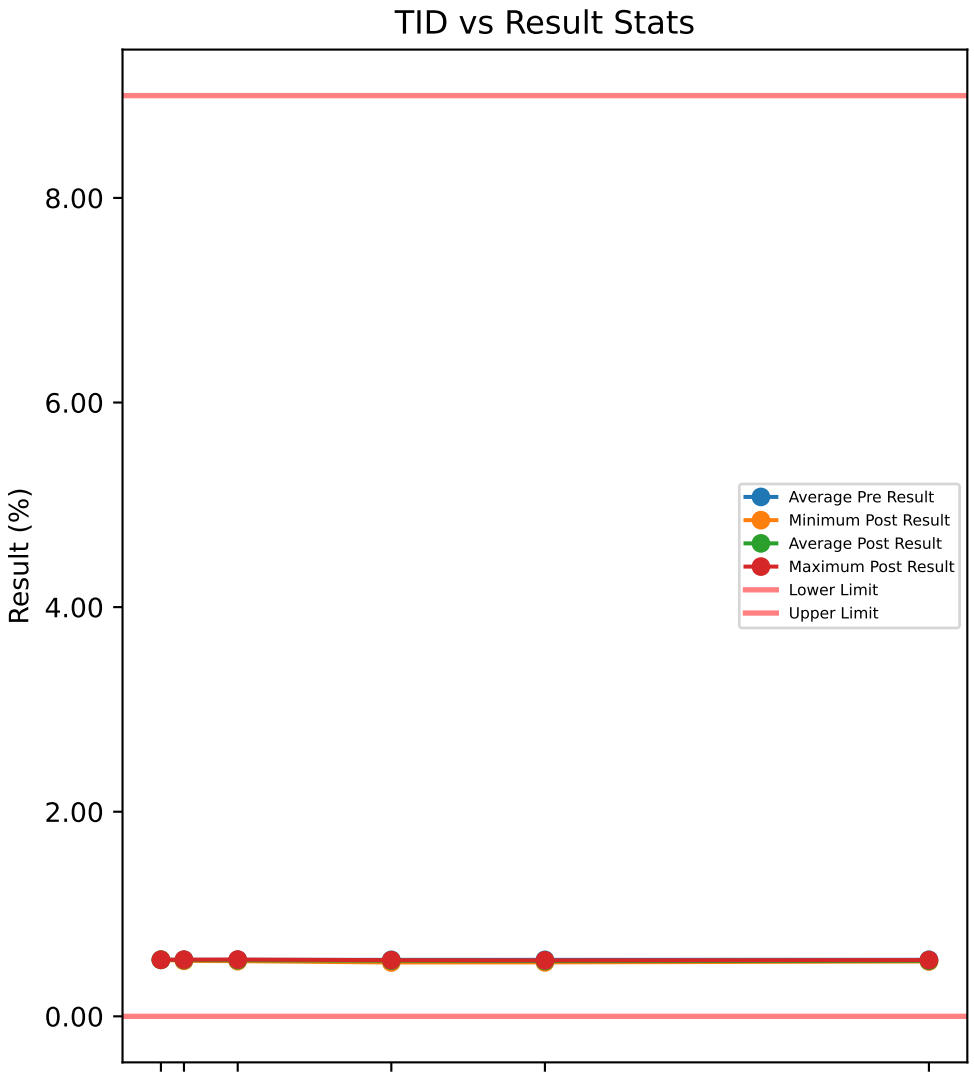

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

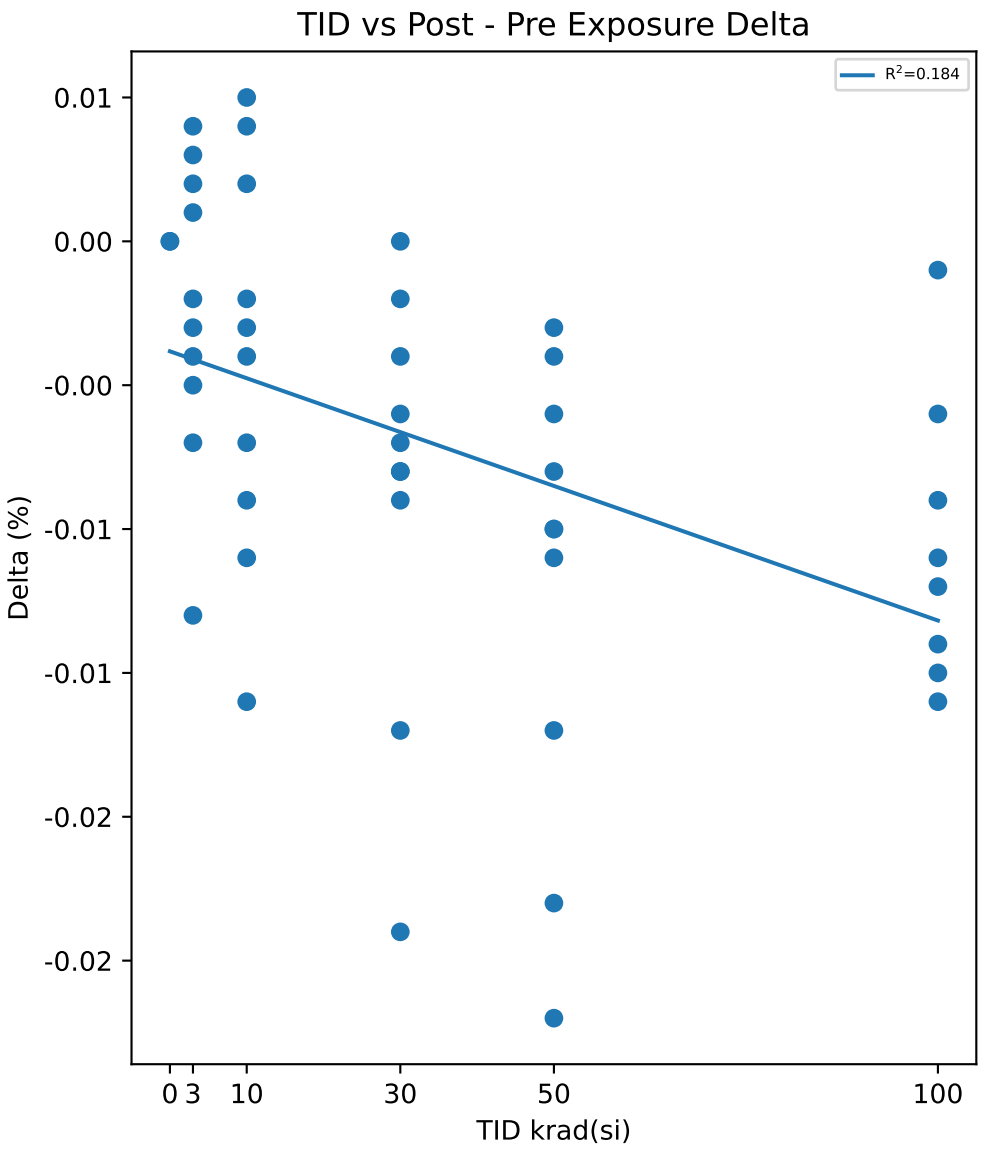
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.558 | 0.558 | 0 |
| 7 | 0 | Correlation | 0.561 | 0.561 | 0 |
| 16 | 3 | LDR-Biased | 0.562 | 0.549 | -0.013 |
| 18 | 3 | LDR-Biased | 0.556 | 0.55 | -0.006 |
| 19 | 3 | LDR-Biased | 0.56 | 0.558 | -0.002 |
| 20 | 3 | LDR-Biased | 0.558 | 0.552 | -0.006 |
| 21 | 3 | LDR-Biased | 0.561 | 0.56 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.558 | 0.561 | 0.003 |
| 23 | 3 | LDR-Unbiased | 0.558 | 0.561 | 0.003 |
| 25 | 3 | LDR-Unbiased | 0.559 | 0.558 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.564 | 0.559 | -0.005 |
| 27 | 3 | LDR-Unbiased | 0.557 | 0.56 | 0.003 |
| 46 | 10 | LDR-Biased | 0.562 | 0.547 | -0.015 |
| 48 | 10 | LDR-Biased | 0.556 | 0.547 | -0.009 |
| 49 | 10 | LDR-Biased | 0.56 | 0.554 | -0.006 |
| 50 | 10 | LDR-Biased | 0.558 | 0.548 | -0.01 |
| 51 | 10 | LDR-Biased | 0.561 | 0.557 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.558 | 0.563 | 0.005 |
| 53 | 10 | LDR-Unbiased | 0.558 | 0.562 | 0.004 |
| 55 | 10 | LDR-Unbiased | 0.559 | 0.559 | 0 |
| 56 | 10 | LDR-Unbiased | 0.564 | 0.56 | -0.004 |
| 57 | 10 | LDR-Unbiased | 0.557 | 0.56 | 0.003 |
| 76 | 30 | LDR-Biased | 0.562 | 0.546 | -0.016 |
| 78 | 30 | LDR-Biased | 0.556 | 0.534 | -0.022 |
| 79 | 30 | LDR-Biased | 0.56 | 0.554 | -0.006 |
| 80 | 30 | LDR-Biased | 0.558 | 0.548 | -0.01 |
| 81 | 30 | LDR-Biased | 0.561 | 0.553 | -0.008 |
| 82 | 30 | LDR-Unbiased | 0.558 | 0.558 | 0 |
| 83 | 30 | LDR-Unbiased | 0.558 | 0.556 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.557 | 0.554 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.559 | 0.553 | -0.006 |
| 86 | 30 | LDR-Unbiased | 0.564 | 0.554 | -0.01 |
| 87 | 100 | LDR-Biased | 0.561 | 0.547 | -0.014 |
| 88 | 100 | LDR-Biased | 0.565 | 0.556 | -0.009 |
| 90 | 100 | LDR-Biased | 0.557 | 0.557 | 0 |
| 91 | 100 | LDR-Unbiased | 0.556 | 0.544 | -0.012 |
| 93 | 100 | LDR-Unbiased | 0.561 | 0.548 | -0.013 |
| 94 | 100 | LDR-Unbiased | 0.562 | 0.548 | -0.014 |
| 95 | 100 | LDR-Unbiased | 0.557 | 0.548 | -0.009 |
| 96 | 100 | LDR-Unbiased | 0.557 | 0.546 | -0.011 |
| 106 | 50 | LDR-Biased | 0.562 | 0.536 | -0.026 |
| 108 | 50 | LDR-Biased | 0.556 | 0.541 | -0.015 |
| 109 | 50 | LDR-Biased | 0.56 | 0.549 | -0.011 |
| 110 | 50 | LDR-Biased | 0.558 | 0.534 | -0.024 |
| 111 | 50 | LDR-Biased | 0.561 | 0.552 | -0.009 |
| 112 | 50 | LDR-Unbiased | 0.558 | 0.556 | -0.002 |
| 113 | 50 | LDR-Unbiased | 0.558 | 0.554 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.559 | 0.551 | -0.008 |
| 116 | 50 | LDR-Unbiased | 0.564 | 0.553 | -0.011 |
| 117 | 50 | LDR-Unbiased | 0.557 | 0.552 | -0.005 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.558 | 0.5595 | 0.561 | 0.0021213 | 0.558 | 0.5595 | 0.561 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 0.556 | 0.5593 | 0.564 | 0.0024518 | 0.549 | 0.5568 | 0.561 | 0.004638 | -0.013 | -0.0025 | 0.003 | 0.0051262 |
| 10 | 0.556 | 0.5593 | 0.564 | 0.0024518 | 0.547 | 0.5557 | 0.563 | 0.0062902 | -0.015 | -0.0036 | 0.005 | 0.0066198 |
| 30 | 0.556 | 0.5593 | 0.564 | 0.0024518 | 0.534 | 0.551 | 0.558 | 0.0069282 | -0.022 | -0.0083 | 0 | 0.0066675 |
| 50 | 0.556 | 0.5593 | 0.564 | 0.0024518 | 0.534 | 0.5478 | 0.556 | 0.0078571 | -0.026 | -0.0115 | -0.002 | 0.0080726 |
| 100 | 0.556 | 0.5595 | 0.565 | 0.0032071 | 0.544 | 0.54925 | 0.557 | 0.0046828 | -0.014 | -0.01025 | 0 | 0.0045904 |

# Device Test: 6.72 VOL_2mA_EN3/EN3/7/14/0/0/2/@VOL_EN_2MA



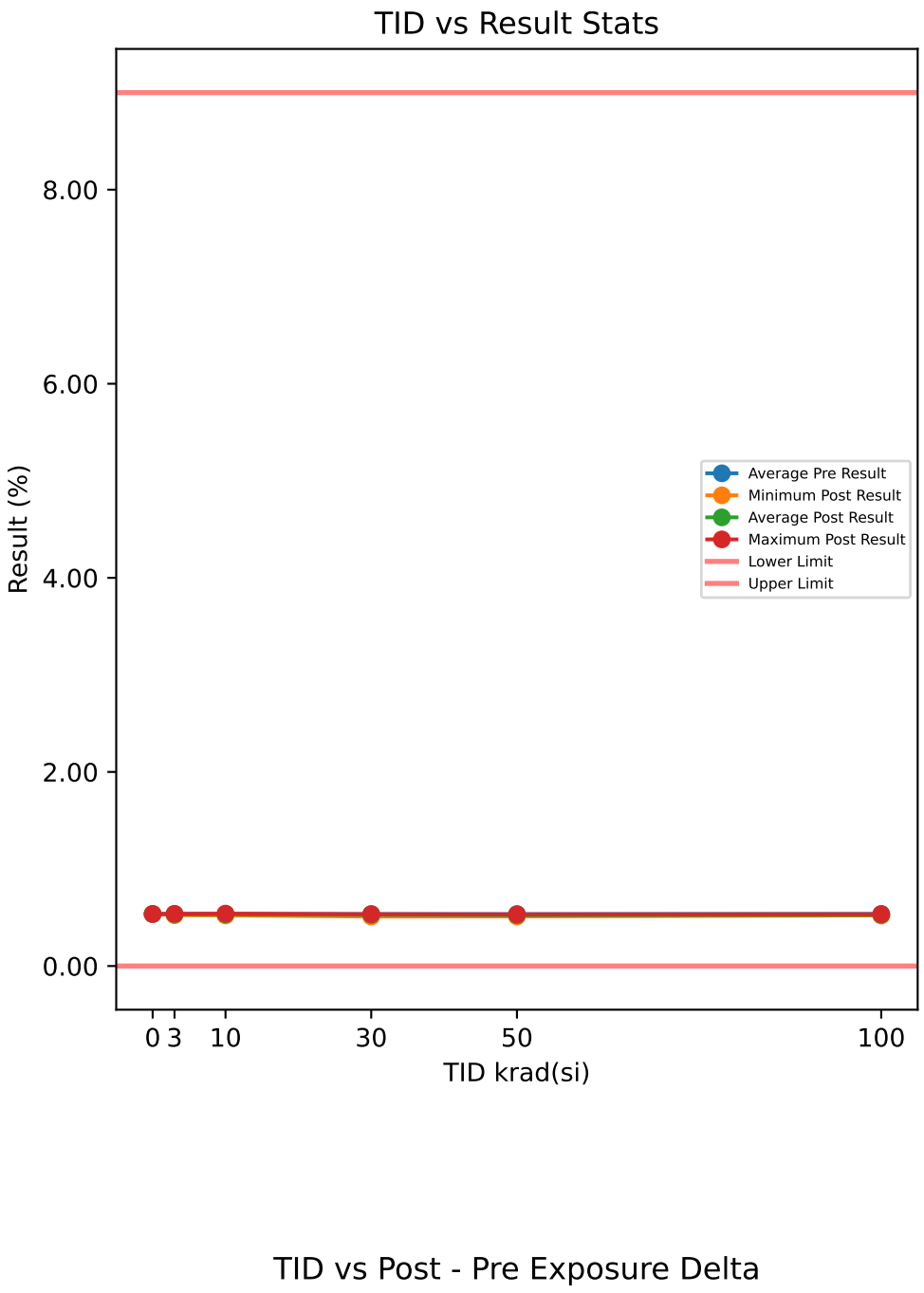

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

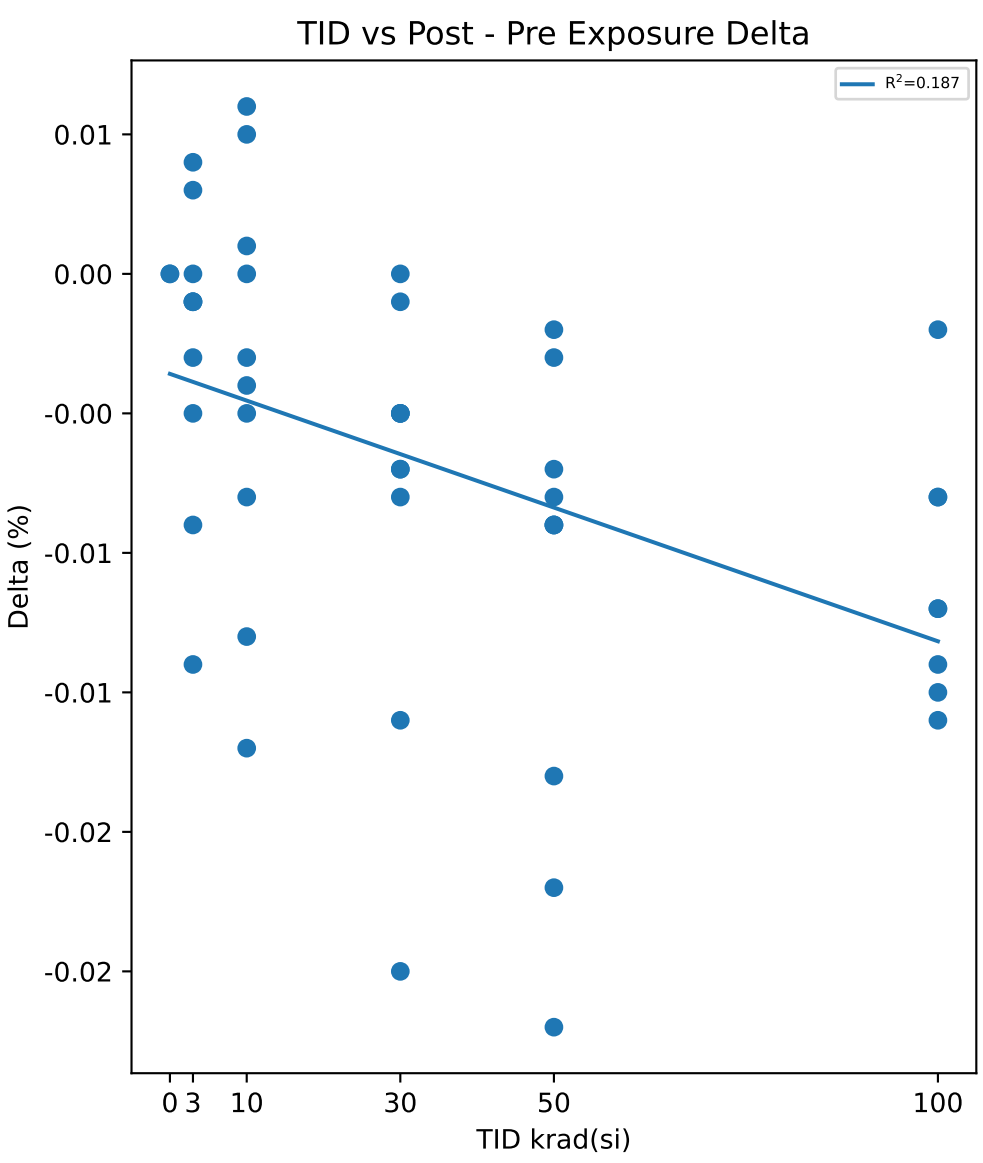
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.552 | 0.552 | 0 |
| 7 | 0 | Correlation | 0.553 | 0.553 | 0 |
| 16 | 3 | LDR-Biased | 0.555 | 0.542 | -0.013 |
| 18 | 3 | LDR-Biased | 0.55 | 0.543 | -0.007 |
| 19 | 3 | LDR-Biased | 0.554 | 0.552 | -0.002 |
| 20 | 3 | LDR-Biased | 0.55 | 0.545 | -0.005 |
| 21 | 3 | LDR-Biased | 0.553 | 0.554 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.549 | 0.553 | 0.004 |
| 23 | 3 | LDR-Unbiased | 0.551 | 0.554 | 0.003 |
| 25 | 3 | LDR-Unbiased | 0.552 | 0.549 | -0.003 |
| 26 | 3 | LDR-Unbiased | 0.556 | 0.552 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.551 | 0.553 | 0.002 |
| 46 | 10 | LDR-Biased | 0.555 | 0.539 | -0.016 |
| 48 | 10 | LDR-Biased | 0.55 | 0.539 | -0.011 |
| 49 | 10 | LDR-Biased | 0.554 | 0.547 | -0.007 |
| 50 | 10 | LDR-Biased | 0.55 | 0.541 | -0.009 |
| 51 | 10 | LDR-Biased | 0.553 | 0.55 | -0.003 |
| 52 | 10 | LDR-Unbiased | 0.549 | 0.554 | 0.005 |
| 53 | 10 | LDR-Unbiased | 0.551 | 0.555 | 0.004 |
| 55 | 10 | LDR-Unbiased | 0.552 | 0.55 | -0.002 |
| 56 | 10 | LDR-Unbiased | 0.556 | 0.552 | -0.004 |
| 57 | 10 | LDR-Unbiased | 0.551 | 0.553 | 0.002 |
| 76 | 30 | LDR-Biased | 0.555 | 0.538 | -0.017 |
| 78 | 30 | LDR-Biased | 0.55 | 0.526 | -0.024 |
| 79 | 30 | LDR-Biased | 0.554 | 0.547 | -0.007 |
| 80 | 30 | LDR-Biased | 0.55 | 0.542 | -0.008 |
| 81 | 30 | LDR-Biased | 0.553 | 0.547 | -0.006 |
| 82 | 30 | LDR-Unbiased | 0.549 | 0.549 | 0 |
| 83 | 30 | LDR-Unbiased | 0.551 | 0.549 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.551 | 0.547 | -0.004 |
| 85 | 30 | LDR-Unbiased | 0.552 | 0.544 | -0.008 |
| 86 | 30 | LDR-Unbiased | 0.556 | 0.547 | -0.009 |
| 87 | 100 | LDR-Biased | 0.556 | 0.54 | -0.016 |
| 88 | 100 | LDR-Biased | 0.558 | 0.549 | -0.009 |
| 90 | 100 | LDR-Biased | 0.551 | 0.55 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.547 | 0.536 | -0.011 |
| 93 | 100 | LDR-Unbiased | 0.553 | 0.541 | -0.012 |
| 94 | 100 | LDR-Unbiased | 0.555 | 0.54 | -0.015 |
| 95 | 100 | LDR-Unbiased | 0.549 | 0.543 | -0.006 |
| 96 | 100 | LDR-Unbiased | 0.551 | 0.537 | -0.014 |
| 106 | 50 | LDR-Biased | 0.555 | 0.528 | -0.027 |
| 108 | 50 | LDR-Biased | 0.55 | 0.533 | -0.017 |
| 109 | 50 | LDR-Biased | 0.554 | 0.543 | -0.011 |
| 110 | 50 | LDR-Biased | 0.55 | 0.527 | -0.023 |
| 111 | 50 | LDR-Biased | 0.553 | 0.545 | -0.008 |
| 112 | 50 | LDR-Unbiased | 0.549 | 0.546 | -0.003 |
| 113 | 50 | LDR-Unbiased | 0.551 | 0.547 | -0.004 |
| 115 | 50 | LDR-Unbiased | 0.552 | 0.542 | -0.01 |
| 116 | 50 | LDR-Unbiased | 0.556 | 0.546 | -0.01 |
| 117 | 50 | LDR-Unbiased | 0.551 | 0.545 | -0.006 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.552 | 0.5525 | 0.553 | 0.00070711 | 0.552 | 0.5525 | 0.553 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.549 | 0.5521 | 0.556 | 0.002331 | 0.542 | 0.5497 | 0.554 | 0.0046679 | -0.013 | -0.0024 | 0.004 | 0.0052111 |
| 10 | 0.549 | 0.5521 | 0.556 | 0.002331 | 0.539 | 0.548 | 0.555 | 0.0062004 | -0.016 | -0.0041 | 0.005 | 0.0067733 |
| 30 | 0.549 | 0.5521 | 0.556 | 0.002331 | 0.526 | 0.5436 | 0.549 | 0.0070585 | -0.024 | -0.0085 | 0 | 0.007122 |
| 50 | 0.549 | 0.5521 | 0.556 | 0.002331 | 0.527 | 0.5402 | 0.547 | 0.007786 | -0.027 | -0.0119 | -0.003 | 0.0080062 |
| 100 | 0.547 | 0.5525 | 0.558 | 0.0037033 | 0.536 | 0.542 | 0.55 | 0.005127 | -0.016 | -0.0105 | -0.001 | 0.0050427 |

# Device Test: 6.73 VOL_2mA_EN4/EN4/7/14/0/0/2/@VOL_EN_2MA



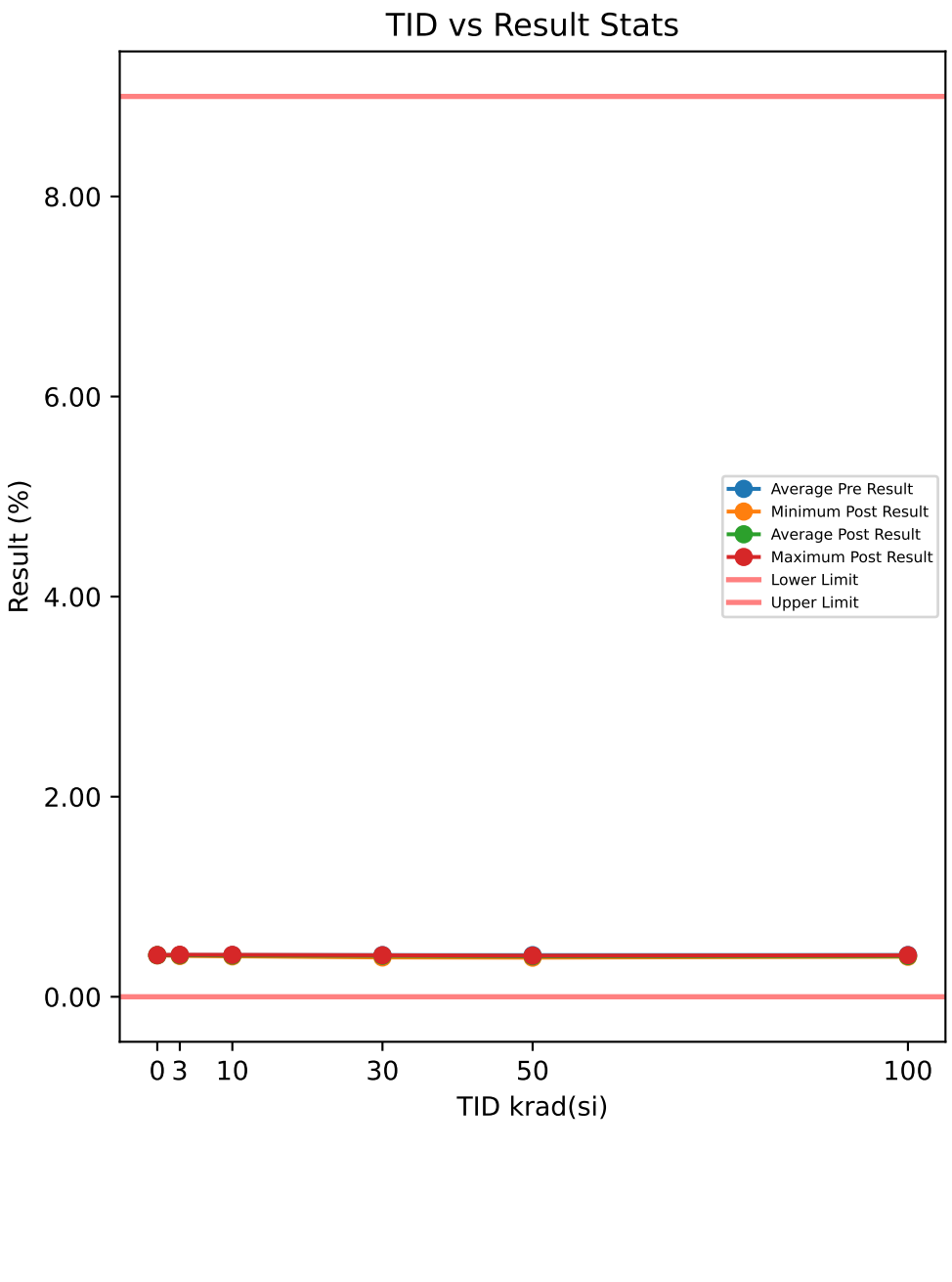

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

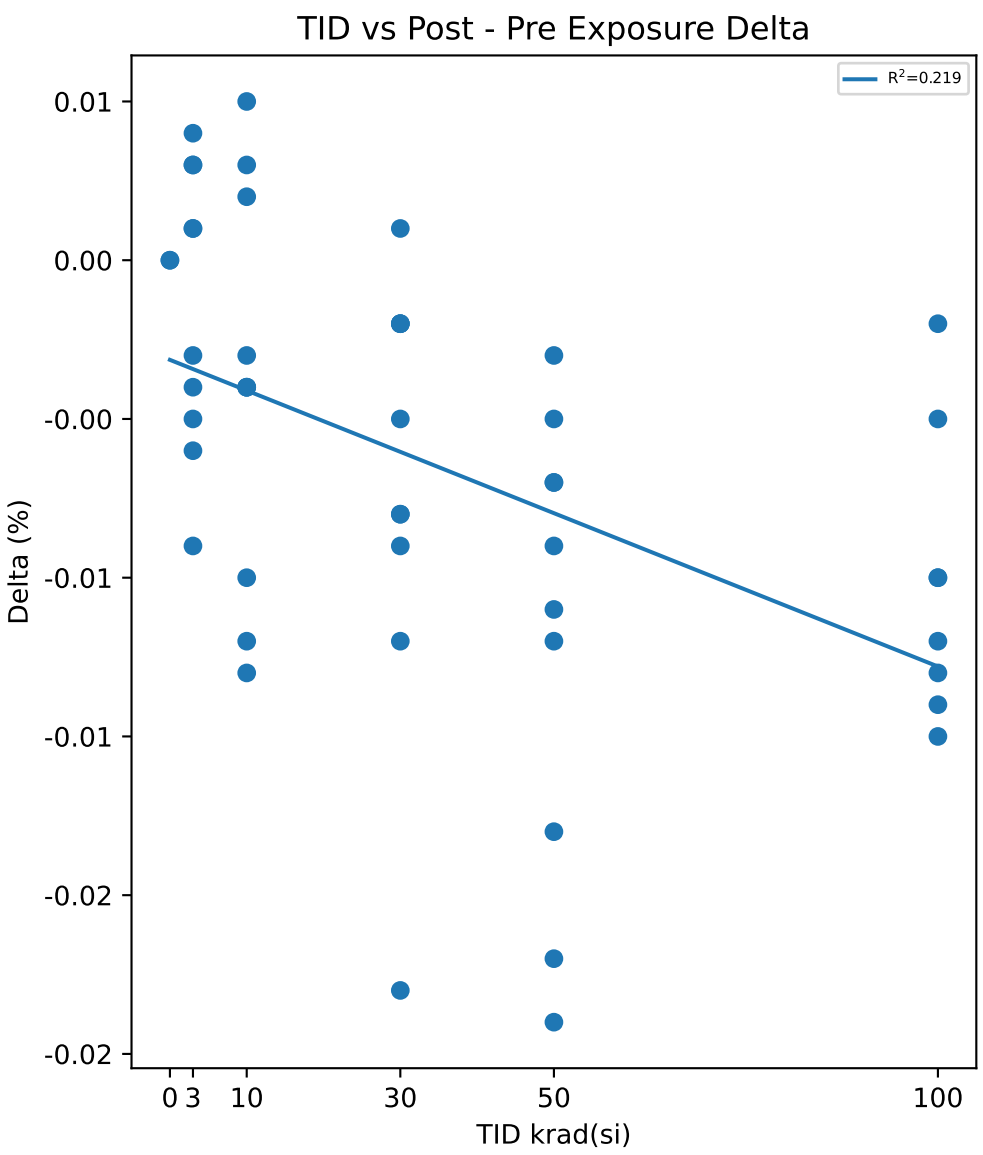
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.536 | 0.536 | 0 |
| 7 | 0 | Correlation | 0.536 | 0.536 | 0 |
| 16 | 3 | LDR-Biased | 0.538 | 0.524 | -0.014 |
| 18 | 3 | LDR-Biased | 0.535 | 0.526 | -0.009 |
| 19 | 3 | LDR-Biased | 0.536 | 0.535 | -0.001 |
| 20 | 3 | LDR-Biased | 0.533 | 0.528 | -0.005 |
| 21 | 3 | LDR-Biased | 0.537 | 0.536 | -0.001 |
| 22 | 3 | LDR-Unbiased | 0.534 | 0.538 | 0.004 |
| 23 | 3 | LDR-Unbiased | 0.533 | 0.536 | 0.003 |
| 25 | 3 | LDR-Unbiased | 0.534 | 0.533 | -0.001 |
| 26 | 3 | LDR-Unbiased | 0.539 | 0.536 | -0.003 |
| 27 | 3 | LDR-Unbiased | 0.535 | 0.535 | 0 |
| 46 | 10 | LDR-Biased | 0.538 | 0.521 | -0.017 |
| 48 | 10 | LDR-Biased | 0.535 | 0.522 | -0.013 |
| 49 | 10 | LDR-Biased | 0.536 | 0.531 | -0.005 |
| 50 | 10 | LDR-Biased | 0.533 | 0.525 | -0.008 |
| 51 | 10 | LDR-Biased | 0.537 | 0.533 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.534 | 0.54 | 0.006 |
| 53 | 10 | LDR-Unbiased | 0.533 | 0.538 | 0.005 |
| 55 | 10 | LDR-Unbiased | 0.534 | 0.534 | 0 |
| 56 | 10 | LDR-Unbiased | 0.539 | 0.536 | -0.003 |
| 57 | 10 | LDR-Unbiased | 0.535 | 0.536 | 0.001 |
| 76 | 30 | LDR-Biased | 0.538 | 0.522 | -0.016 |
| 78 | 30 | LDR-Biased | 0.535 | 0.51 | -0.025 |
| 79 | 30 | LDR-Biased | 0.536 | 0.531 | -0.005 |
| 80 | 30 | LDR-Biased | 0.533 | 0.526 | -0.007 |
| 81 | 30 | LDR-Biased | 0.537 | 0.53 | -0.007 |
| 82 | 30 | LDR-Unbiased | 0.534 | 0.534 | 0 |
| 83 | 30 | LDR-Unbiased | 0.533 | 0.532 | -0.001 |
| 84 | 30 | LDR-Unbiased | 0.535 | 0.53 | -0.005 |
| 85 | 30 | LDR-Unbiased | 0.534 | 0.529 | -0.005 |
| 86 | 30 | LDR-Unbiased | 0.539 | 0.531 | -0.008 |
| 87 | 100 | LDR-Biased | 0.54 | 0.524 | -0.016 |
| 88 | 100 | LDR-Biased | 0.541 | 0.533 | -0.008 |
| 90 | 100 | LDR-Biased | 0.536 | 0.534 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.533 | 0.521 | -0.012 |
| 93 | 100 | LDR-Unbiased | 0.537 | 0.525 | -0.012 |
| 94 | 100 | LDR-Unbiased | 0.539 | 0.524 | -0.015 |
| 95 | 100 | LDR-Unbiased | 0.533 | 0.525 | -0.008 |
| 96 | 100 | LDR-Unbiased | 0.535 | 0.521 | -0.014 |
| 106 | 50 | LDR-Biased | 0.538 | 0.511 | -0.027 |
| 108 | 50 | LDR-Biased | 0.535 | 0.517 | -0.018 |
| 109 | 50 | LDR-Biased | 0.536 | 0.527 | -0.009 |
| 110 | 50 | LDR-Biased | 0.533 | 0.511 | -0.022 |
| 111 | 50 | LDR-Biased | 0.537 | 0.528 | -0.009 |
| 112 | 50 | LDR-Unbiased | 0.534 | 0.532 | -0.002 |
| 113 | 50 | LDR-Unbiased | 0.533 | 0.53 | -0.003 |
| 115 | 50 | LDR-Unbiased | 0.534 | 0.526 | -0.008 |
| 116 | 50 | LDR-Unbiased | 0.539 | 0.53 | -0.009 |
| 117 | 50 | LDR-Unbiased | 0.535 | 0.528 | -0.007 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.536 | 0.536 | 0.536 | 0 | 0.536 | 0.536 | 0.536 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0.533 | 0.5354 | 0.539 | 0.0020656 | 0.524 | 0.5327 | 0.538 | 0.0048774 | -0.014 | -0.0027 | 0.004 | 0.0054375 |
| 10 | 0.533 | 0.5354 | 0.539 | 0.0020656 | 0.521 | 0.5316 | 0.54 | 0.0067198 | -0.017 | -0.0038 | 0.006 | 0.0073756 |
| 30 | 0.533 | 0.5354 | 0.539 | 0.0020656 | 0.51 | 0.5275 | 0.534 | 0.006996 | -0.025 | -0.0079 | 0 | 0.0074154 |
| 50 | 0.533 | 0.5354 | 0.539 | 0.0020656 | 0.511 | 0.524 | 0.532 | 0.0079443 | -0.027 | -0.0114 | -0.002 | 0.0082084 |
| 100 | 0.533 | 0.53675 | 0.541 | 0.0030589 | 0.521 | 0.52587 | 0.534 | 0.0049696 | -0.016 | -0.010875 | -0.002 | 0.0046426 |

# Device Test: 6.74 VOL_2mA_SEQ/SEQ_DONE/7/14/0/0/2/@VOL_SEQ_DONE_2MA



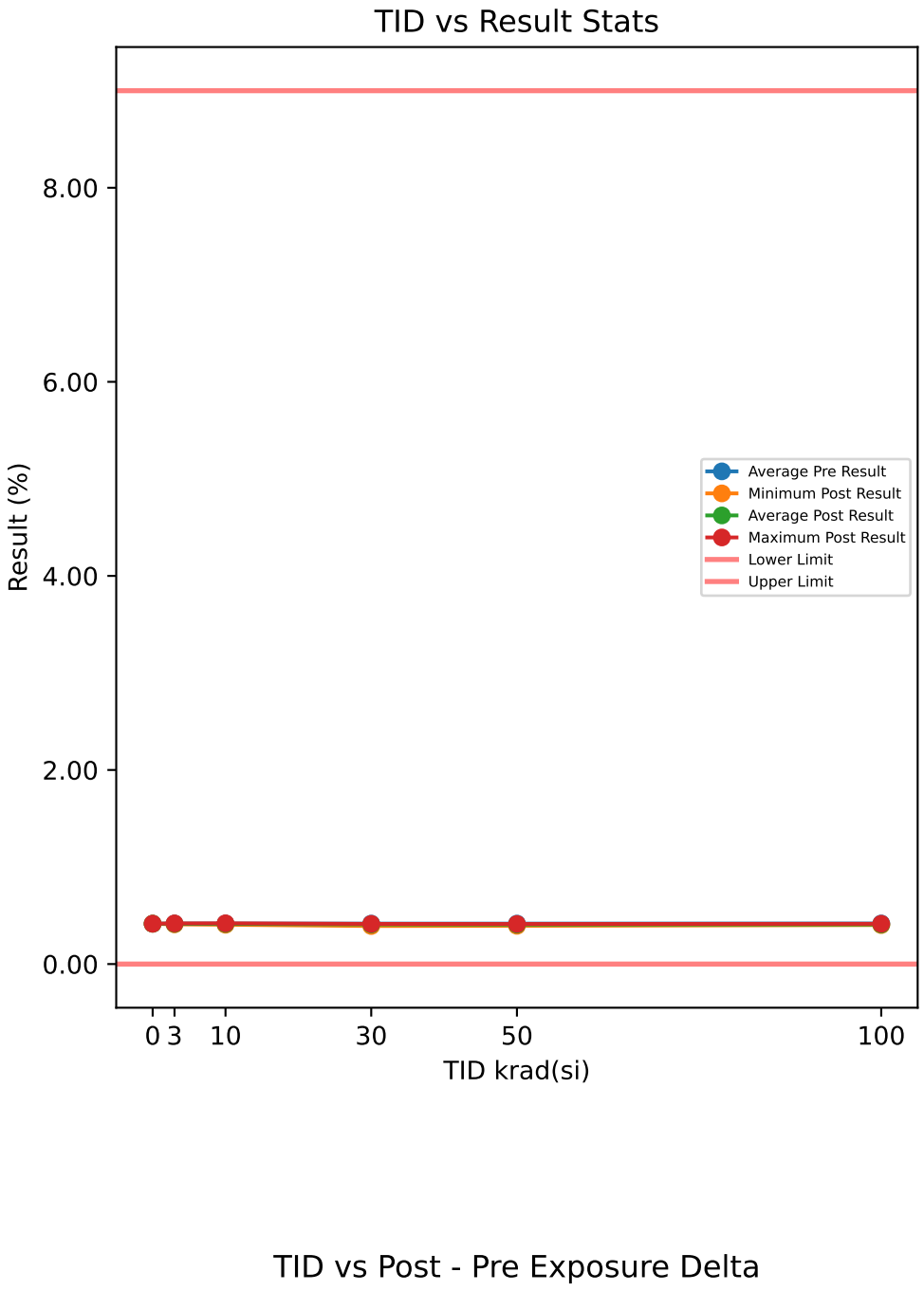

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

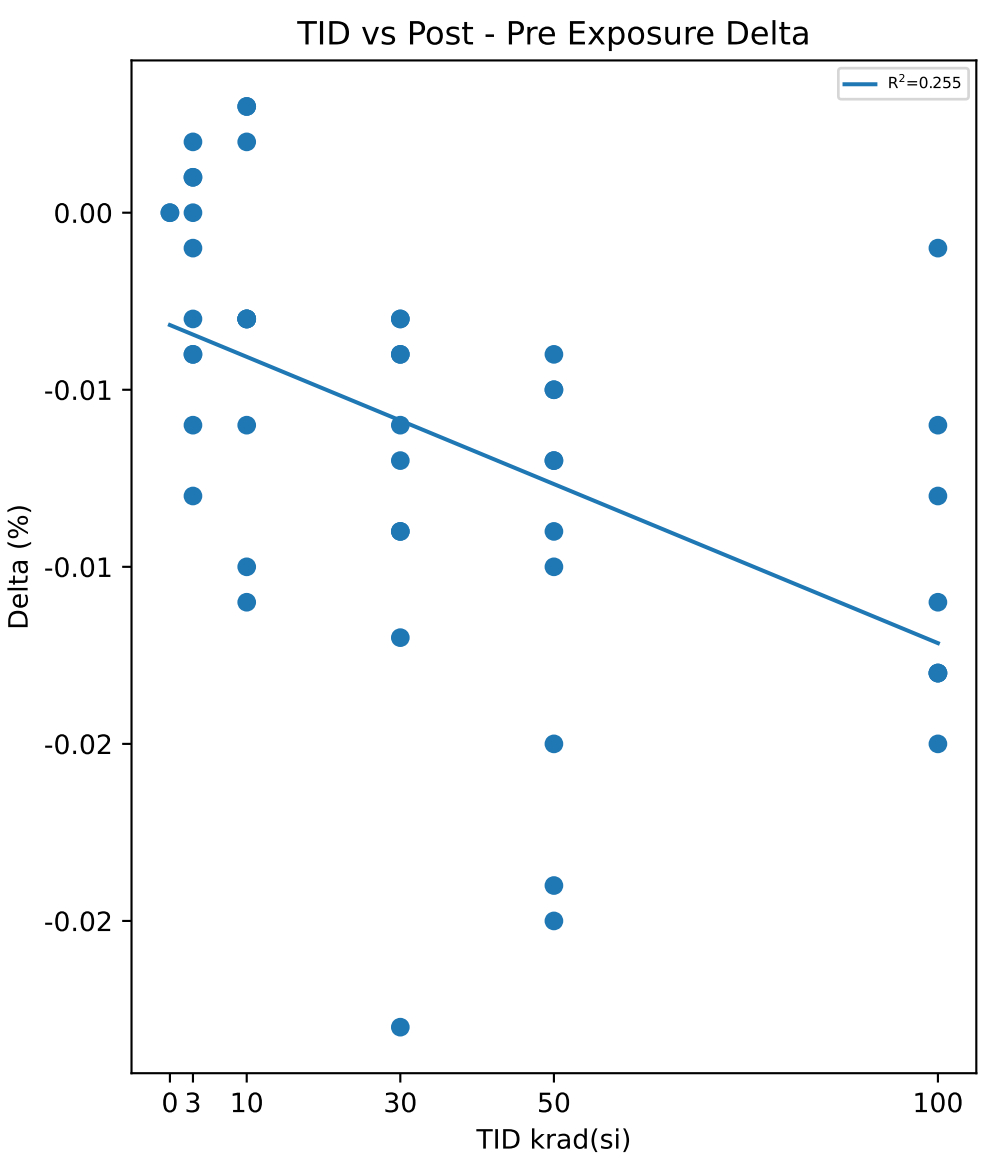
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.417 | 0.417 | 0 |
| 7 | 0 | Correlation | 0.414 | 0.414 | 0 |
| 16 | 3 | LDR-Biased | 0.417 | 0.408 | -0.009 |
| 18 | 3 | LDR-Biased | 0.416 | 0.41 | -0.006 |
| 19 | 3 | LDR-Biased | 0.415 | 0.418 | 0.003 |
| 20 | 3 | LDR-Biased | 0.415 | 0.41 | -0.005 |
| 21 | 3 | LDR-Biased | 0.419 | 0.42 | 0.001 |
| 22 | 3 | LDR-Unbiased | 0.414 | 0.418 | 0.004 |
| 23 | 3 | LDR-Unbiased | 0.415 | 0.416 | 0.001 |
| 25 | 3 | LDR-Unbiased | 0.415 | 0.411 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.42 | 0.417 | -0.003 |
| 27 | 3 | LDR-Unbiased | 0.415 | 0.418 | 0.003 |
| 46 | 10 | LDR-Biased | 0.417 | 0.404 | -0.013 |
| 48 | 10 | LDR-Biased | 0.416 | 0.404 | -0.012 |
| 49 | 10 | LDR-Biased | 0.415 | 0.412 | -0.003 |
| 50 | 10 | LDR-Biased | 0.415 | 0.405 | -0.01 |
| 51 | 10 | LDR-Biased | 0.419 | 0.415 | -0.004 |
| 52 | 10 | LDR-Unbiased | 0.414 | 0.419 | 0.005 |
| 53 | 10 | LDR-Unbiased | 0.415 | 0.417 | 0.002 |
| 55 | 10 | LDR-Unbiased | 0.415 | 0.411 | -0.004 |
| 56 | 10 | LDR-Unbiased | 0.42 | 0.416 | -0.004 |
| 57 | 10 | LDR-Unbiased | 0.415 | 0.418 | 0.003 |
| 76 | 30 | LDR-Biased | 0.417 | 0.405 | -0.012 |
| 78 | 30 | LDR-Biased | 0.416 | 0.393 | -0.023 |
| 79 | 30 | LDR-Biased | 0.415 | 0.413 | -0.002 |
| 80 | 30 | LDR-Biased | 0.415 | 0.406 | -0.009 |
| 81 | 30 | LDR-Biased | 0.419 | 0.414 | -0.005 |
| 82 | 30 | LDR-Unbiased | 0.414 | 0.415 | 0.001 |
| 83 | 30 | LDR-Unbiased | 0.415 | 0.413 | -0.002 |
| 84 | 30 | LDR-Unbiased | 0.415 | 0.413 | -0.002 |
| 85 | 30 | LDR-Unbiased | 0.415 | 0.407 | -0.008 |
| 86 | 30 | LDR-Unbiased | 0.42 | 0.412 | -0.008 |
| 87 | 100 | LDR-Biased | 0.421 | 0.406 | -0.015 |
| 88 | 100 | LDR-Biased | 0.419 | 0.414 | -0.005 |
| 90 | 100 | LDR-Biased | 0.417 | 0.415 | -0.002 |
| 91 | 100 | LDR-Unbiased | 0.413 | 0.4 | -0.013 |
| 93 | 100 | LDR-Unbiased | 0.419 | 0.405 | -0.014 |
| 94 | 100 | LDR-Unbiased | 0.417 | 0.407 | -0.01 |
| 95 | 100 | LDR-Unbiased | 0.415 | 0.405 | -0.01 |
| 96 | 100 | LDR-Unbiased | 0.415 | 0.403 | -0.012 |
| 106 | 50 | LDR-Biased | 0.417 | 0.395 | -0.022 |
| 108 | 50 | LDR-Biased | 0.416 | 0.398 | -0.018 |
| 109 | 50 | LDR-Biased | 0.415 | 0.408 | -0.007 |
| 110 | 50 | LDR-Biased | 0.415 | 0.391 | -0.024 |
| 111 | 50 | LDR-Biased | 0.419 | 0.41 | -0.009 |
| 112 | 50 | LDR-Unbiased | 0.414 | 0.411 | -0.003 |
| 113 | 50 | LDR-Unbiased | 0.415 | 0.408 | -0.007 |
| 115 | 50 | LDR-Unbiased | 0.415 | 0.403 | -0.012 |
| 116 | 50 | LDR-Unbiased | 0.42 | 0.409 | -0.011 |
| 117 | 50 | LDR-Unbiased | 0.415 | 0.41 | -0.005 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.414 | 0.4155 | 0.417 | 0.0021213 | 0.414 | 0.4155 | 0.417 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 0.414 | 0.4161 | 0.42 | 0.0019692 | 0.408 | 0.4146 | 0.42 | 0.0043512 | -0.009 | -0.0015 | 0.004 | 0.0044783 |
| 10 | 0.414 | 0.4161 | 0.42 | 0.0019692 | 0.404 | 0.4121 | 0.419 | 0.0058963 | -0.013 | -0.004 | 0.005 | 0.0062183 |
| 30 | 0.414 | 0.4161 | 0.42 | 0.0019692 | 0.393 | 0.4091 | 0.415 | 0.0066908 | -0.023 | -0.007 | 0.001 | 0.0069121 |
| 50 | 0.414 | 0.4161 | 0.42 | 0.0019692 | 0.391 | 0.4043 | 0.411 | 0.007181 | -0.024 | -0.0118 | -0.003 | 0.0072234 |
| 100 | 0.413 | 0.417 | 0.421 | 0.0026186 | 0.4 | 0.40687 | 0.415 | 0.0051669 | -0.015 | -0.010125 | -0.002 | 0.0045178 |

# Device Test: 6.75 VOL_2mA_PWRGD/PWRGD/7/14/0/0/2/@VOL_PWRGD_2MA



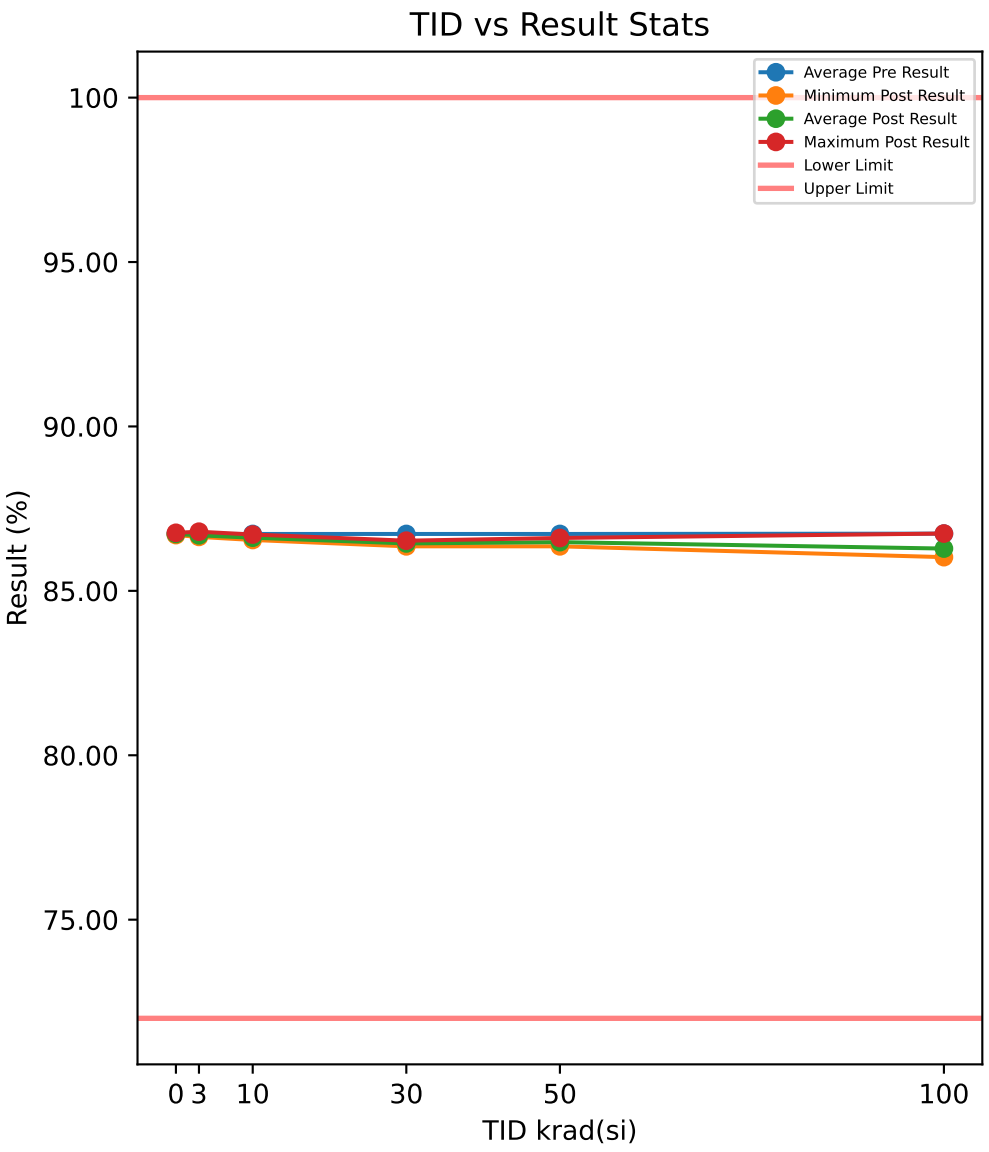

Test Results (Lower Limit = 0.0, Upper Limit = 9.0 (%))

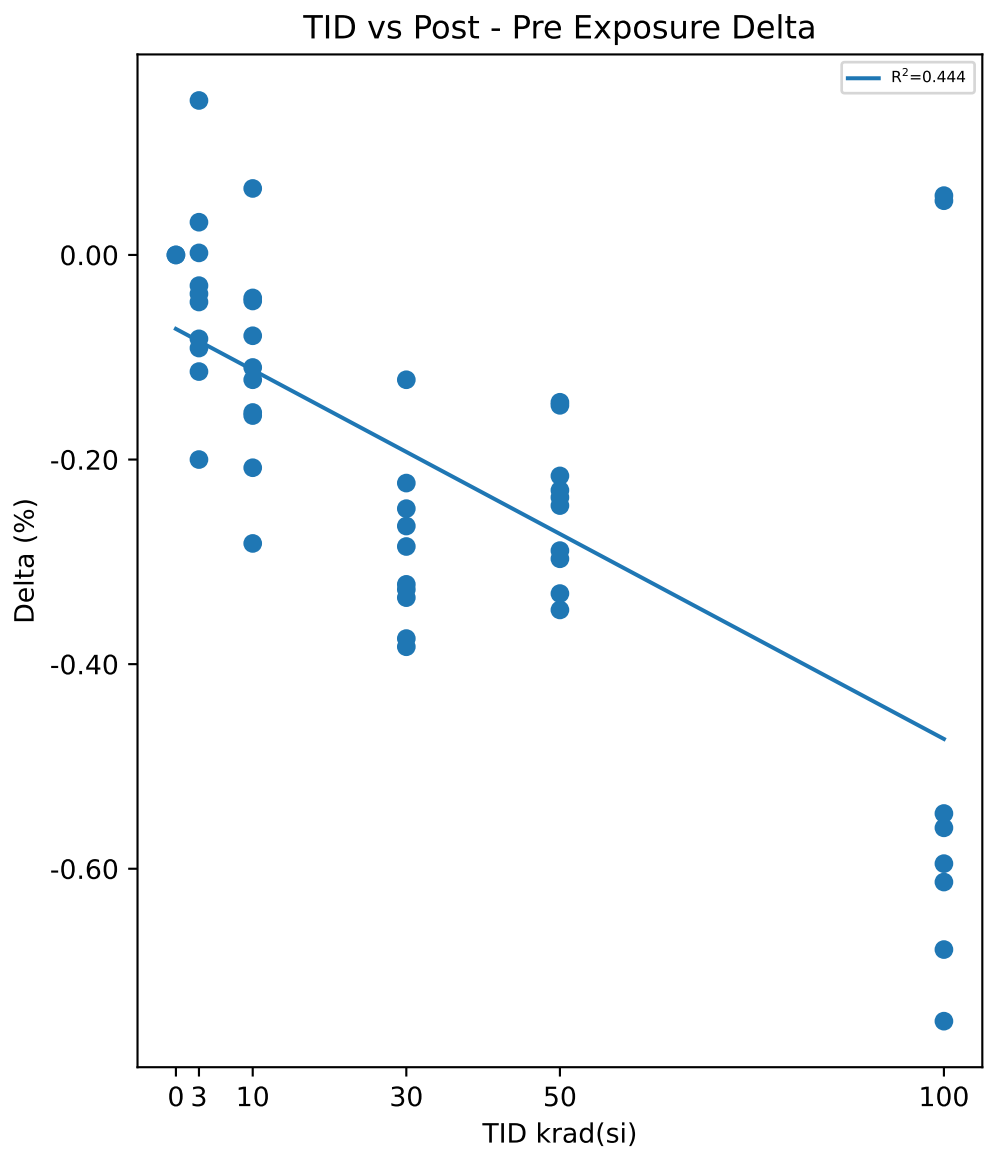
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.416 | 0.416 | 0 |
| 7 | 0 | Correlation | 0.415 | 0.415 | 0 |
| 16 | 3 | LDR-Biased | 0.417 | 0.409 | -0.008 |
| 18 | 3 | LDR-Biased | 0.415 | 0.409 | -0.006 |
| 19 | 3 | LDR-Biased | 0.417 | 0.418 | 0.001 |
| 20 | 3 | LDR-Biased | 0.414 | 0.411 | -0.003 |
| 21 | 3 | LDR-Biased | 0.419 | 0.419 | 0 |
| 22 | 3 | LDR-Unbiased | 0.416 | 0.415 | -0.001 |
| 23 | 3 | LDR-Unbiased | 0.415 | 0.416 | 0.001 |
| 25 | 3 | LDR-Unbiased | 0.416 | 0.412 | -0.004 |
| 26 | 3 | LDR-Unbiased | 0.42 | 0.416 | -0.004 |
| 27 | 3 | LDR-Unbiased | 0.417 | 0.419 | 0.002 |
| 46 | 10 | LDR-Biased | 0.417 | 0.406 | -0.011 |
| 48 | 10 | LDR-Biased | 0.415 | 0.405 | -0.01 |
| 49 | 10 | LDR-Biased | 0.417 | 0.414 | -0.003 |
| 50 | 10 | LDR-Biased | 0.414 | 0.408 | -0.006 |
| 51 | 10 | LDR-Biased | 0.419 | 0.416 | -0.003 |
| 52 | 10 | LDR-Unbiased | 0.416 | 0.418 | 0.002 |
| 53 | 10 | LDR-Unbiased | 0.415 | 0.418 | 0.003 |
| 55 | 10 | LDR-Unbiased | 0.416 | 0.413 | -0.003 |
| 56 | 10 | LDR-Unbiased | 0.42 | 0.417 | -0.003 |
| 57 | 10 | LDR-Unbiased | 0.417 | 0.42 | 0.003 |
| 76 | 30 | LDR-Biased | 0.417 | 0.405 | -0.012 |
| 78 | 30 | LDR-Biased | 0.415 | 0.392 | -0.023 |
| 79 | 30 | LDR-Biased | 0.417 | 0.413 | -0.004 |
| 80 | 30 | LDR-Biased | 0.414 | 0.407 | -0.007 |
| 81 | 30 | LDR-Biased | 0.419 | 0.413 | -0.006 |
| 82 | 30 | LDR-Unbiased | 0.416 | 0.412 | -0.004 |
| 83 | 30 | LDR-Unbiased | 0.415 | 0.412 | -0.003 |
| 84 | 30 | LDR-Unbiased | 0.417 | 0.414 | -0.003 |
| 85 | 30 | LDR-Unbiased | 0.416 | 0.407 | -0.009 |
| 86 | 30 | LDR-Unbiased | 0.42 | 0.411 | -0.009 |
| 87 | 100 | LDR-Biased | 0.419 | 0.406 | -0.013 |
| 88 | 100 | LDR-Biased | 0.42 | 0.414 | -0.006 |
| 90 | 100 | LDR-Biased | 0.416 | 0.415 | -0.001 |
| 91 | 100 | LDR-Unbiased | 0.415 | 0.402 | -0.013 |
| 93 | 100 | LDR-Unbiased | 0.42 | 0.405 | -0.015 |
| 94 | 100 | LDR-Unbiased | 0.418 | 0.41 | -0.008 |
| 95 | 100 | LDR-Unbiased | 0.417 | 0.406 | -0.011 |
| 96 | 100 | LDR-Unbiased | 0.418 | 0.405 | -0.013 |
| 106 | 50 | LDR-Biased | 0.417 | 0.398 | -0.019 |
| 108 | 50 | LDR-Biased | 0.415 | 0.4 | -0.015 |
| 109 | 50 | LDR-Biased | 0.417 | 0.41 | -0.007 |
| 110 | 50 | LDR-Biased | 0.414 | 0.394 | -0.02 |
| 111 | 50 | LDR-Biased | 0.419 | 0.412 | -0.007 |
| 112 | 50 | LDR-Unbiased | 0.416 | 0.411 | -0.005 |
| 113 | 50 | LDR-Unbiased | 0.415 | 0.41 | -0.005 |
| 115 | 50 | LDR-Unbiased | 0.416 | 0.406 | -0.01 |
| 116 | 50 | LDR-Unbiased | 0.42 | 0.411 | -0.009 |
| 117 | 50 | LDR-Unbiased | 0.417 | 0.413 | -0.004 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.415 | 0.4155 | 0.416 | 0.00070711 | 0.415 | 0.4155 | 0.416 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 0.414 | 0.4166 | 0.42 | 0.0018379 | 0.409 | 0.4144 | 0.419 | 0.003893 | -0.008 | -0.0022 | 0.002 | 0.0033267 |
| 10 | 0.414 | 0.4166 | 0.42 | 0.0018379 | 0.405 | 0.4135 | 0.42 | 0.00538 | -0.011 | -0.0031 | 0.003 | 0.0049318 |
| 30 | 0.414 | 0.4166 | 0.42 | 0.0018379 | 0.392 | 0.4086 | 0.414 | 0.0065862 | -0.023 | -0.008 | -0.003 | 0.0060553 |
| 50 | 0.414 | 0.4166 | 0.42 | 0.0018379 | 0.394 | 0.4065 | 0.413 | 0.0067371 | -0.02 | -0.0101 | -0.004 | 0.0058775 |
| 100 | 0.415 | 0.41787 | 0.42 | 0.0018077 | 0.402 | 0.40787 | 0.415 | 0.0046426 | -0.015 | -0.01 | -0.001 | 0.0046904 |

# Device Test: 6.76 VOH_10mA_EN1/EN1/1.6/3/0/0/10/@VOH_EN_10MA



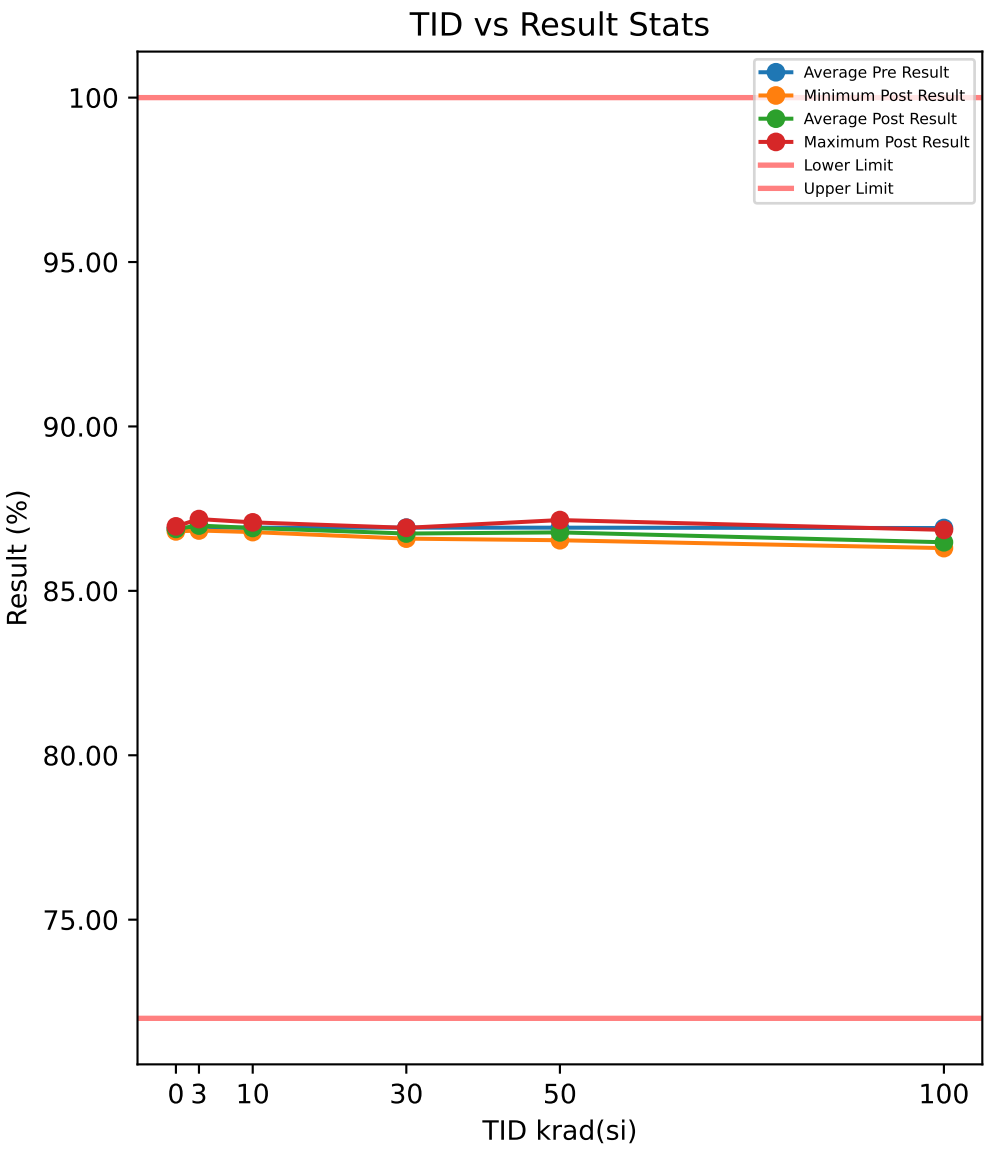

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

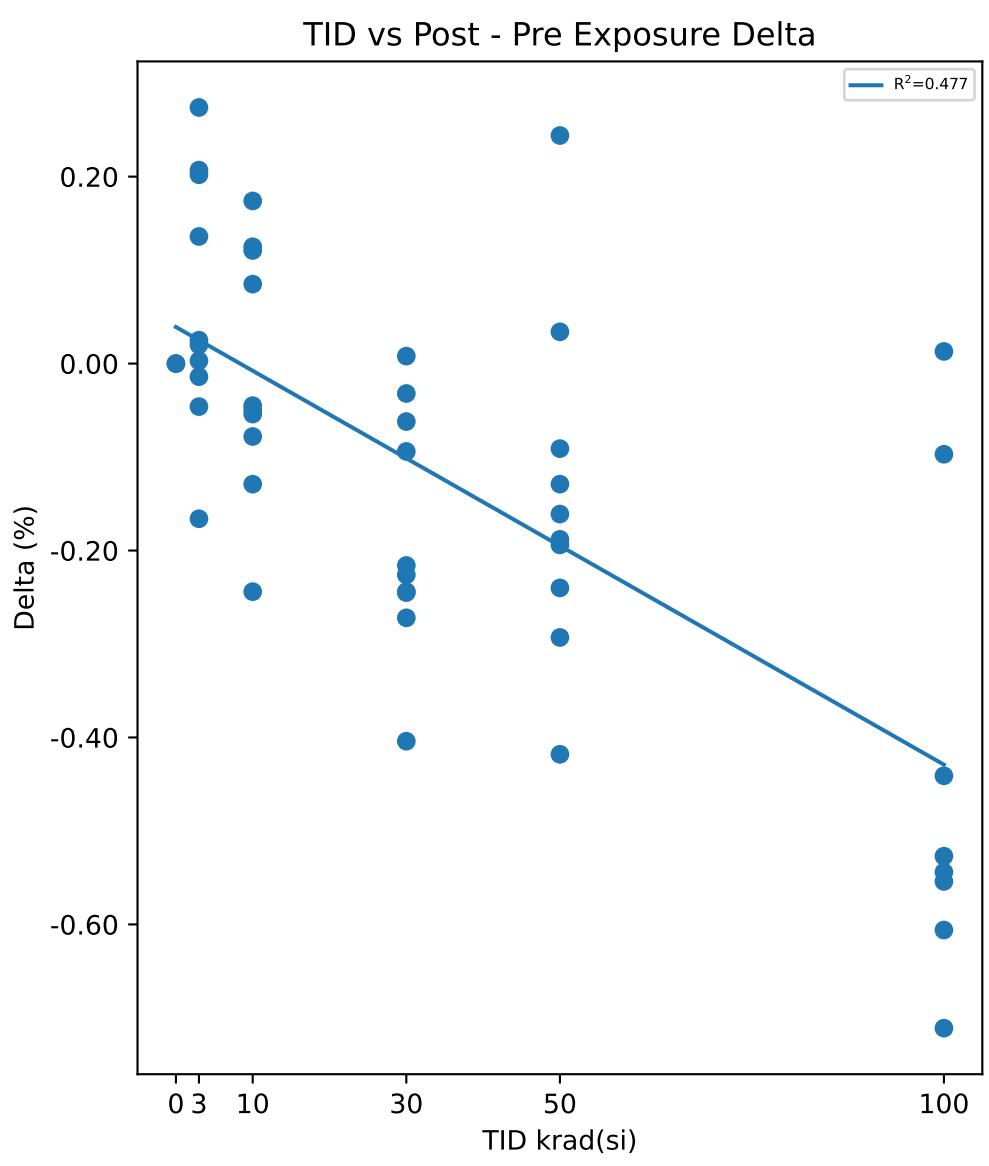
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.696 | 86.696 | 0 |
| 7 | 0 | Correlation | 86.765 | 86.765 | 0 |
| 16 | 3 | LDR-Biased | 86.755 | 86.641 | -0.114 |
| 18 | 3 | LDR-Biased | 86.689 | 86.651 | -0.038 |
| 19 | 3 | LDR-Biased | 86.773 | 86.682 | -0.091 |
| 20 | 3 | LDR-Biased | 86.71 | 86.664 | -0.046 |
| 21 | 3 | LDR-Biased | 86.879 | 86.679 | -0.2 |
| 22 | 3 | LDR-Unbiased | 86.648 | 86.799 | 0.151 |
| 23 | 3 | LDR-Unbiased | 86.781 | 86.699 | -0.082 |
| 25 | 3 | LDR-Unbiased | 86.71 | 86.742 | 0.032 |
| 26 | 3 | LDR-Unbiased | 86.643 | 86.645 | 0.002 |
| 27 | 3 | LDR-Unbiased | 86.715 | 86.685 | -0.03 |
| 46 | 10 | LDR-Biased | 86.755 | 86.547 | -0.208 |
| 48 | 10 | LDR-Biased | 86.689 | 86.579 | -0.11 |
| 49 | 10 | LDR-Biased | 86.773 | 86.619 | -0.154 |
| 50 | 10 | LDR-Biased | 86.71 | 86.588 | -0.122 |
| 51 | 10 | LDR-Biased | 86.879 | 86.597 | -0.282 |
| 52 | 10 | LDR-Unbiased | 86.648 | 86.713 | 0.065 |
| 53 | 10 | LDR-Unbiased | 86.781 | 86.624 | -0.157 |
| 55 | 10 | LDR-Unbiased | 86.71 | 86.668 | -0.042 |
| 56 | 10 | LDR-Unbiased | 86.643 | 86.598 | -0.045 |
| 57 | 10 | LDR-Unbiased | 86.715 | 86.636 | -0.079 |
| 76 | 30 | LDR-Biased | 86.755 | 86.372 | -0.383 |
| 78 | 30 | LDR-Biased | 86.689 | 86.354 | -0.335 |
| 79 | 30 | LDR-Biased | 86.773 | 86.446 | -0.327 |
| 80 | 30 | LDR-Biased | 86.71 | 86.425 | -0.285 |
| 81 | 30 | LDR-Biased | 86.879 | 86.504 | -0.375 |
| 82 | 30 | LDR-Unbiased | 86.648 | 86.526 | -0.122 |
| 83 | 30 | LDR-Unbiased | 86.781 | 86.459 | -0.322 |
| 84 | 30 | LDR-Unbiased | 86.715 | 86.45 | -0.265 |
| 85 | 30 | LDR-Unbiased | 86.71 | 86.487 | -0.223 |
| 86 | 30 | LDR-Unbiased | 86.643 | 86.395 | -0.248 |
| 87 | 100 | LDR-Biased | 86.805 | 86.21 | -0.595 |
| 88 | 100 | LDR-Biased | 86.685 | 86.743 | 0.058 |
| 90 | 100 | LDR-Biased | 86.667 | 86.72 | 0.053 |
| 91 | 100 | LDR-Unbiased | 86.685 | 86.125 | -0.56 |
| 93 | 100 | LDR-Unbiased | 86.874 | 86.125 | -0.749 |
| 94 | 100 | LDR-Unbiased | 86.747 | 86.134 | -0.613 |
| 95 | 100 | LDR-Unbiased | 86.754 | 86.208 | -0.546 |
| 96 | 100 | LDR-Unbiased | 86.704 | 86.025 | -0.679 |
| 106 | 50 | LDR-Biased | 86.755 | 86.608 | -0.147 |
| 108 | 50 | LDR-Biased | 86.689 | 86.444 | -0.245 |
| 109 | 50 | LDR-Biased | 86.773 | 86.536 | -0.237 |
| 110 | 50 | LDR-Biased | 86.71 | 86.494 | -0.216 |
| 111 | 50 | LDR-Biased | 86.879 | 86.532 | -0.347 |
| 112 | 50 | LDR-Unbiased | 86.648 | 86.504 | -0.144 |
| 113 | 50 | LDR-Unbiased | 86.781 | 86.45 | -0.331 |
| 115 | 50 | LDR-Unbiased | 86.71 | 86.48 | -0.23 |
| 116 | 50 | LDR-Unbiased | 86.643 | 86.354 | -0.289 |
| 117 | 50 | LDR-Unbiased | 86.715 | 86.418 | -0.297 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.696 | 86.731 | 86.765 | 0.04879 | 86.696 | 86.731 | 86.765 | 0.04879 | 0 | 0 | 0 | 0 |
| 3 | 86.643 | 86.73 | 86.879 | 0.070138 | 86.641 | 86.689 | 86.799 | 0.048856 | -0.2 | -0.0416 | 0.151 | 0.093681 |
| 10 | 86.643 | 86.73 | 86.879 | 0.070138 | 86.547 | 86.617 | 86.713 | 0.047348 | -0.282 | -0.1134 | 0.065 | 0.096492 |
| 30 | 86.643 | 86.73 | 86.879 | 0.070138 | 86.354 | 86.442 | 86.526 | 0.05621 | -0.383 | -0.2885 | -0.122 | 0.078455 |
| 50 | 86.643 | 86.73 | 86.879 | 0.070138 | 86.354 | 86.482 | 86.608 | 0.07061 | -0.347 | -0.2483 | -0.144 | 0.069335 |
| 100 | 86.667 | 86.74 | 86.874 | 0.070813 | 86.025 | 86.286 | 86.743 | 0.28085 | -0.749 | -0.45388 | 0.058 | 0.32109 |

# Device Test: 6.77 VOH_10mA_EN2/EN2/1.6/3/0/0/10/@VOH_EN_10MA



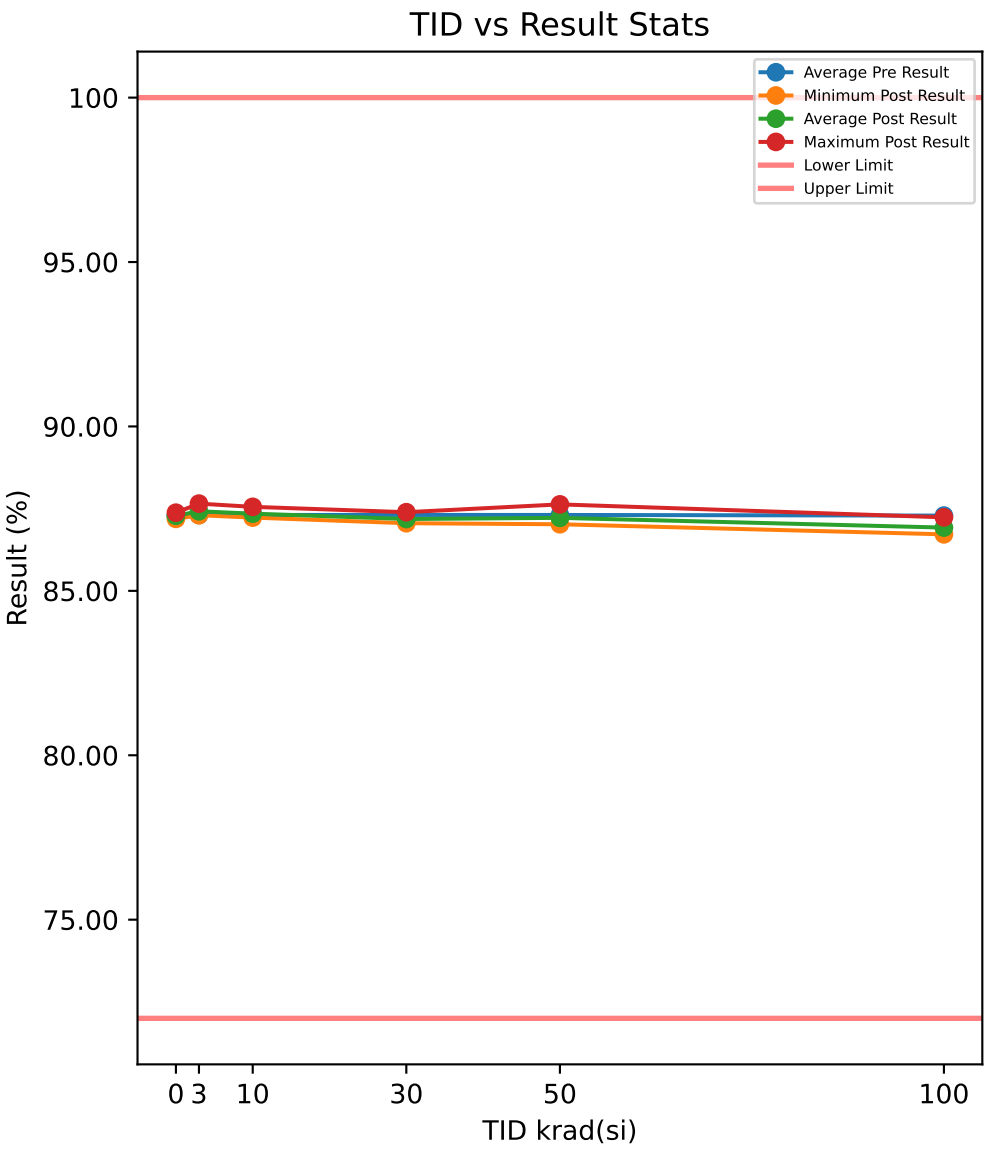

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

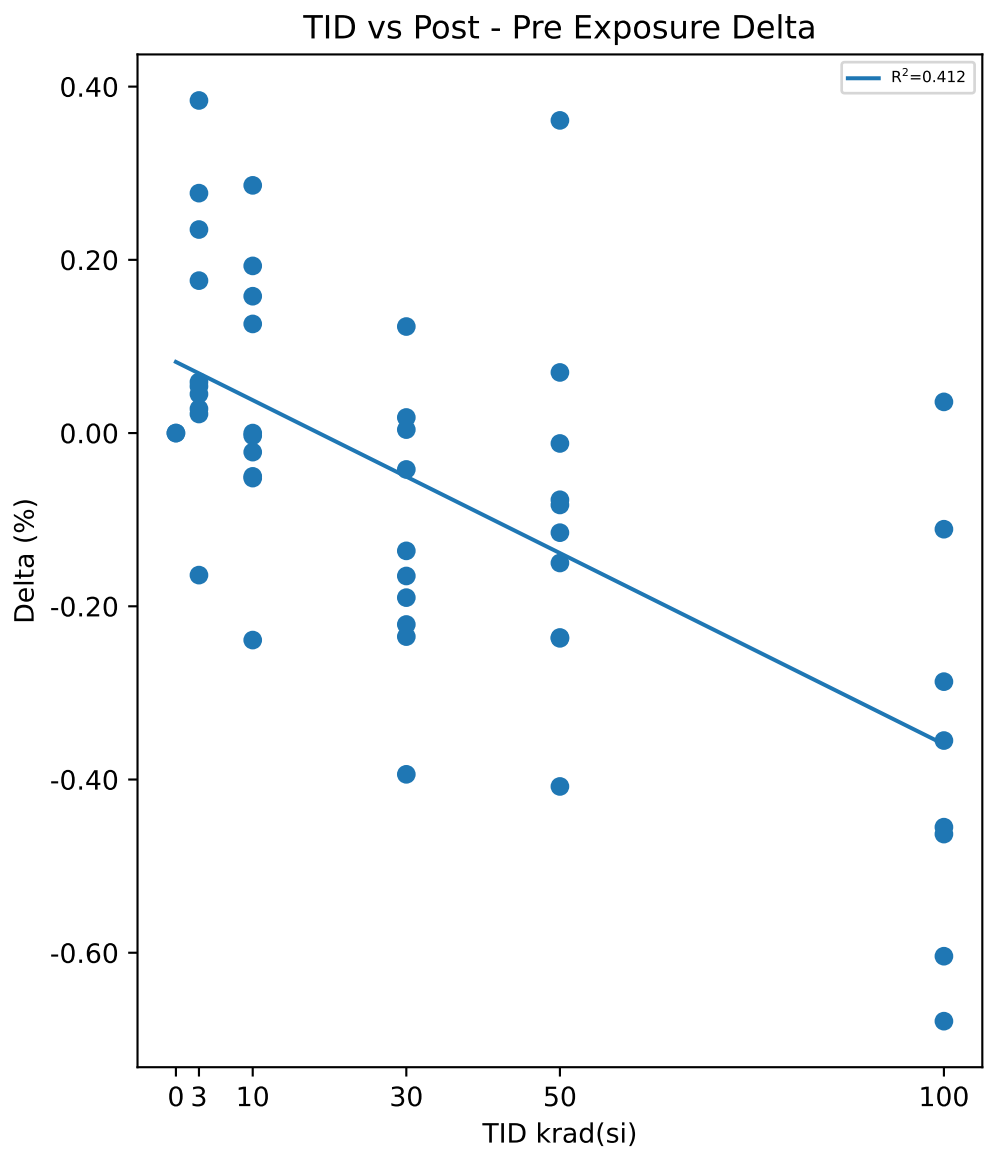
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.808 | 86.808 | 0 |
| 7 | 0 | Correlation | 86.961 | 86.961 | 0 |
| 16 | 3 | LDR-Biased | 86.909 | 87.183 | 0.274 |
| 18 | 3 | LDR-Biased | 86.952 | 86.972 | 0.02 |
| 19 | 3 | LDR-Biased | 86.951 | 86.937 | -0.014 |
| 20 | 3 | LDR-Biased | 86.892 | 87.094 | 0.202 |
| 21 | 3 | LDR-Biased | 87.028 | 86.982 | -0.046 |
| 22 | 3 | LDR-Unbiased | 86.79 | 86.997 | 0.207 |
| 23 | 3 | LDR-Unbiased | 87.089 | 86.923 | -0.166 |
| 25 | 3 | LDR-Unbiased | 86.902 | 86.927 | 0.025 |
| 26 | 3 | LDR-Unbiased | 86.832 | 86.835 | 0.003 |
| 27 | 3 | LDR-Unbiased | 86.871 | 87.007 | 0.136 |
| 46 | 10 | LDR-Biased | 86.909 | 87.083 | 0.174 |
| 48 | 10 | LDR-Biased | 86.952 | 86.898 | -0.054 |
| 49 | 10 | LDR-Biased | 86.951 | 86.873 | -0.078 |
| 50 | 10 | LDR-Biased | 86.892 | 87.017 | 0.125 |
| 51 | 10 | LDR-Biased | 87.028 | 86.899 | -0.129 |
| 52 | 10 | LDR-Unbiased | 86.79 | 86.911 | 0.121 |
| 53 | 10 | LDR-Unbiased | 87.089 | 86.845 | -0.244 |
| 55 | 10 | LDR-Unbiased | 86.902 | 86.853 | -0.049 |
| 56 | 10 | LDR-Unbiased | 86.832 | 86.787 | -0.045 |
| 57 | 10 | LDR-Unbiased | 86.871 | 86.956 | 0.085 |
| 76 | 30 | LDR-Biased | 86.909 | 86.917 | 0.008 |
| 78 | 30 | LDR-Biased | 86.952 | 86.68 | -0.272 |
| 79 | 30 | LDR-Biased | 86.951 | 86.706 | -0.245 |
| 80 | 30 | LDR-Biased | 86.892 | 86.86 | -0.032 |
| 81 | 30 | LDR-Biased | 87.028 | 86.812 | -0.216 |
| 82 | 30 | LDR-Unbiased | 86.79 | 86.728 | -0.062 |
| 83 | 30 | LDR-Unbiased | 87.089 | 86.685 | -0.404 |
| 84 | 30 | LDR-Unbiased | 86.871 | 86.777 | -0.094 |
| 85 | 30 | LDR-Unbiased | 86.902 | 86.676 | -0.226 |
| 86 | 30 | LDR-Unbiased | 86.832 | 86.588 | -0.244 |
| 87 | 100 | LDR-Biased | 86.961 | 86.355 | -0.606 |
| 88 | 100 | LDR-Biased | 86.841 | 86.854 | 0.013 |
| 90 | 100 | LDR-Biased | 86.93 | 86.833 | -0.097 |
| 91 | 100 | LDR-Unbiased | 86.827 | 86.3 | -0.527 |
| 93 | 100 | LDR-Unbiased | 87.023 | 86.312 | -0.711 |
| 94 | 100 | LDR-Unbiased | 86.902 | 86.461 | -0.441 |
| 95 | 100 | LDR-Unbiased | 86.944 | 86.39 | -0.554 |
| 96 | 100 | LDR-Unbiased | 86.859 | 86.315 | -0.544 |
| 106 | 50 | LDR-Biased | 86.909 | 87.153 | 0.244 |
| 108 | 50 | LDR-Biased | 86.952 | 86.764 | -0.188 |
| 109 | 50 | LDR-Biased | 86.951 | 86.79 | -0.161 |
| 110 | 50 | LDR-Biased | 86.892 | 86.926 | 0.034 |
| 111 | 50 | LDR-Biased | 87.028 | 86.834 | -0.194 |
| 112 | 50 | LDR-Unbiased | 86.79 | 86.699 | -0.091 |
| 113 | 50 | LDR-Unbiased | 87.089 | 86.671 | -0.418 |
| 115 | 50 | LDR-Unbiased | 86.902 | 86.662 | -0.24 |
| 116 | 50 | LDR-Unbiased | 86.832 | 86.539 | -0.293 |
| 117 | 50 | LDR-Unbiased | 86.871 | 86.742 | -0.129 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.808 | 86.885 | 86.961 | 0.10819 | 86.808 | 86.885 | 86.961 | 0.10819 | 0 | 0 | 0 | 0 |
| 3 | 86.79 | 86.922 | 87.089 | 0.08848 | 86.835 | 86.986 | 87.183 | 0.096551 | -0.166 | 0.0641 | 0.274 | 0.13623 |
| 10 | 86.79 | 86.922 | 87.089 | 0.08848 | 86.787 | 86.912 | 87.083 | 0.08672 | -0.244 | -0.0094 | 0.174 | 0.13186 |
| 30 | 86.79 | 86.922 | 87.089 | 0.08848 | 86.588 | 86.743 | 86.917 | 0.098501 | -0.404 | -0.1787 | 0.008 | 0.12864 |
| 50 | 86.79 | 86.922 | 87.089 | 0.08848 | 86.539 | 86.778 | 87.153 | 0.16851 | -0.418 | -0.1436 | 0.244 | 0.1815 |
| 100 | 86.827 | 86.911 | 87.023 | 0.066799 | 86.3 | 86.477 | 86.854 | 0.23188 | -0.711 | -0.43337 | 0.013 | 0.25492 |

# Device Test: 6.78 VOH_10mA_EN3/EN3/1.6/3/0/0/10/@VOH_EN_10MA



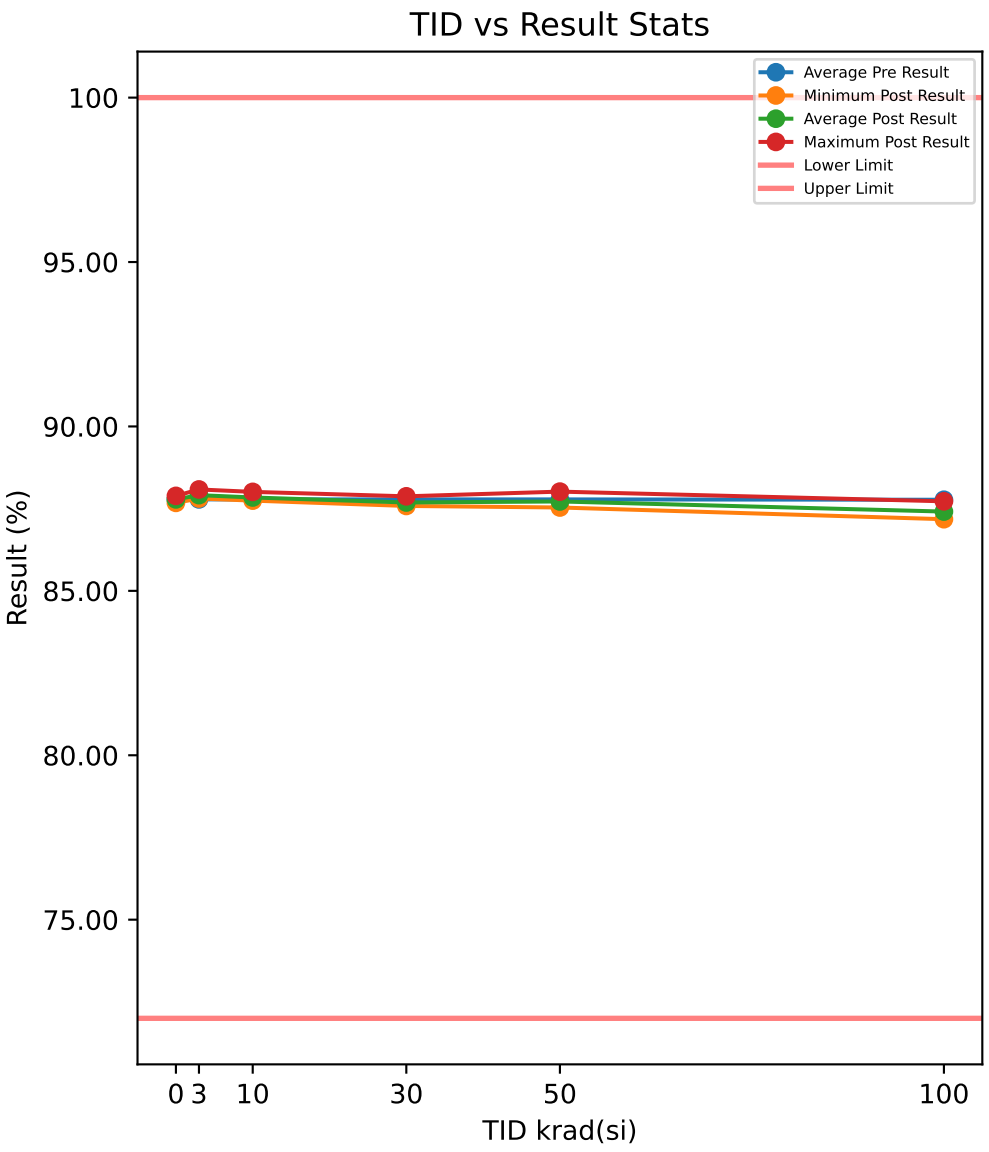

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

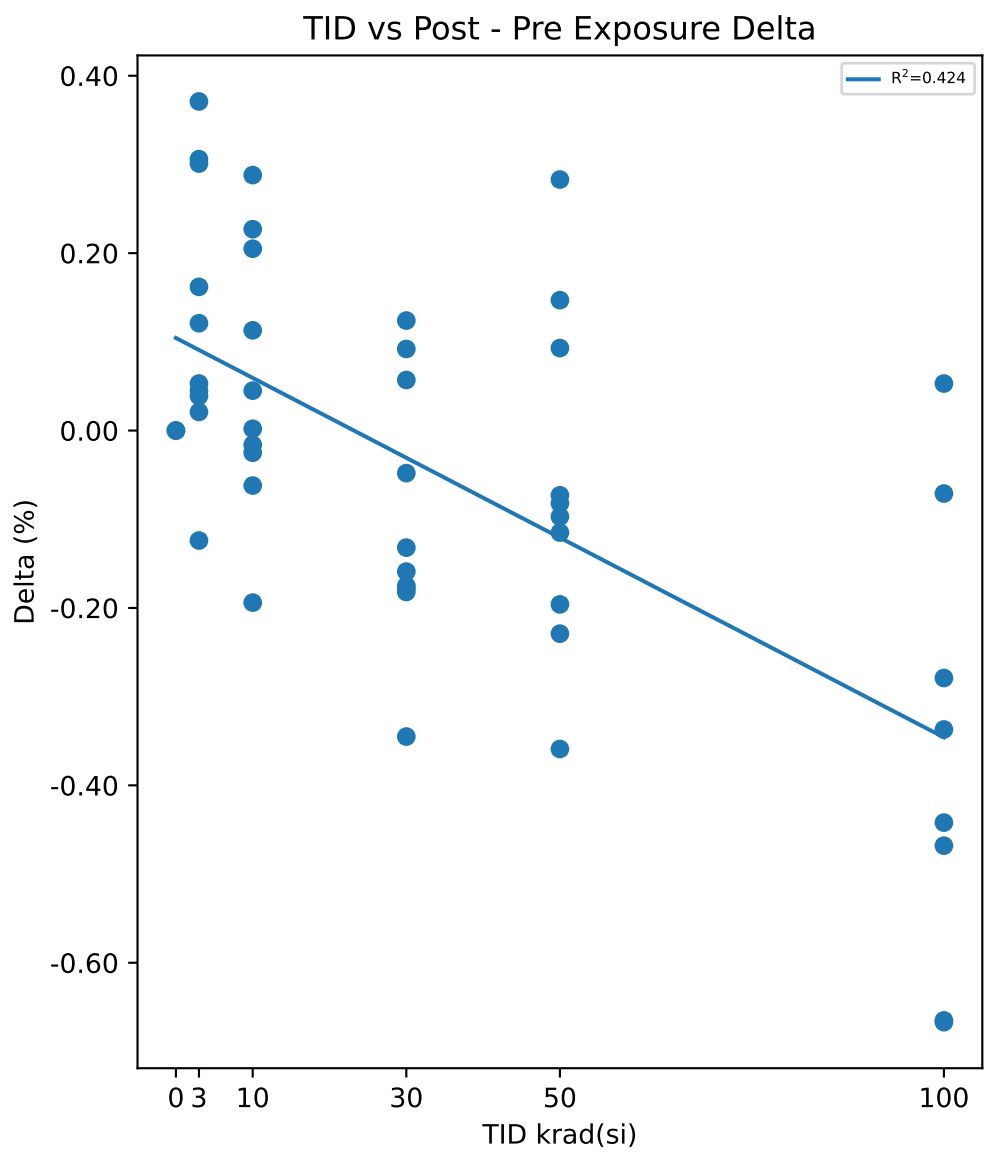
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 87.189 | 87.189 | 0 |
| 7 | 0 | Correlation | 87.377 | 87.377 | 0 |
| 16 | 3 | LDR-Biased | 87.269 | 87.653 | 0.384 |
| 18 | 3 | LDR-Biased | 87.347 | 87.401 | 0.054 |
| 19 | 3 | LDR-Biased | 87.335 | 87.394 | 0.059 |
| 20 | 3 | LDR-Biased | 87.33 | 87.565 | 0.235 |
| 21 | 3 | LDR-Biased | 87.368 | 87.396 | 0.028 |
| 22 | 3 | LDR-Unbiased | 87.138 | 87.415 | 0.277 |
| 23 | 3 | LDR-Unbiased | 87.505 | 87.341 | -0.164 |
| 25 | 3 | LDR-Unbiased | 87.278 | 87.3 | 0.022 |
| 26 | 3 | LDR-Unbiased | 87.261 | 87.306 | 0.045 |
| 27 | 3 | LDR-Unbiased | 87.254 | 87.43 | 0.176 |
| 46 | 10 | LDR-Biased | 87.269 | 87.555 | 0.286 |
| 48 | 10 | LDR-Biased | 87.347 | 87.325 | -0.022 |
| 49 | 10 | LDR-Biased | 87.335 | 87.332 | -0.003 |
| 50 | 10 | LDR-Biased | 87.33 | 87.488 | 0.158 |
| 51 | 10 | LDR-Biased | 87.368 | 87.316 | -0.052 |
| 52 | 10 | LDR-Unbiased | 87.138 | 87.331 | 0.193 |
| 53 | 10 | LDR-Unbiased | 87.505 | 87.266 | -0.239 |
| 55 | 10 | LDR-Unbiased | 87.278 | 87.228 | -0.05 |
| 56 | 10 | LDR-Unbiased | 87.261 | 87.261 | 0 |
| 57 | 10 | LDR-Unbiased | 87.254 | 87.38 | 0.126 |
| 76 | 30 | LDR-Biased | 87.269 | 87.392 | 0.123 |
| 78 | 30 | LDR-Biased | 87.347 | 87.112 | -0.235 |
| 79 | 30 | LDR-Biased | 87.335 | 87.17 | -0.165 |
| 80 | 30 | LDR-Biased | 87.33 | 87.334 | 0.004 |
| 81 | 30 | LDR-Biased | 87.368 | 87.232 | -0.136 |
| 82 | 30 | LDR-Unbiased | 87.138 | 87.156 | 0.018 |
| 83 | 30 | LDR-Unbiased | 87.505 | 87.111 | -0.394 |
| 84 | 30 | LDR-Unbiased | 87.254 | 87.212 | -0.042 |
| 85 | 30 | LDR-Unbiased | 87.278 | 87.057 | -0.221 |
| 86 | 30 | LDR-Unbiased | 87.261 | 87.071 | -0.19 |
| 87 | 100 | LDR-Biased | 87.402 | 86.723 | -0.679 |
| 88 | 100 | LDR-Biased | 87.2 | 87.236 | 0.036 |
| 90 | 100 | LDR-Biased | 87.325 | 87.214 | -0.111 |
| 91 | 100 | LDR-Unbiased | 87.174 | 86.719 | -0.455 |
| 93 | 100 | LDR-Unbiased | 87.363 | 86.759 | -0.604 |
| 94 | 100 | LDR-Unbiased | 87.261 | 86.974 | -0.287 |
| 95 | 100 | LDR-Unbiased | 87.341 | 86.878 | -0.463 |
| 96 | 100 | LDR-Unbiased | 87.243 | 86.888 | -0.355 |
| 106 | 50 | LDR-Biased | 87.269 | 87.63 | 0.361 |
| 108 | 50 | LDR-Biased | 87.347 | 87.197 | -0.15 |
| 109 | 50 | LDR-Biased | 87.335 | 87.252 | -0.083 |
| 110 | 50 | LDR-Biased | 87.33 | 87.4 | 0.07 |
| 111 | 50 | LDR-Biased | 87.368 | 87.253 | -0.115 |
| 112 | 50 | LDR-Unbiased | 87.138 | 87.126 | -0.012 |
| 113 | 50 | LDR-Unbiased | 87.505 | 87.097 | -0.408 |
| 115 | 50 | LDR-Unbiased | 87.278 | 87.041 | -0.237 |
| 116 | 50 | LDR-Unbiased | 87.261 | 87.025 | -0.236 |
| 117 | 50 | LDR-Unbiased | 87.254 | 87.177 | -0.077 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 87.189 | 87.283 | 87.377 | 0.13294 | 87.189 | 87.283 | 87.377 | 0.13294 | 0 | 0 | 0 | 0 |
| 3 | 87.138 | 87.309 | 87.505 | 0.095211 | 87.3 | 87.42 | 87.653 | 0.1109 | -0.164 | 0.1116 | 0.384 | 0.15721 |
| 10 | 87.138 | 87.309 | 87.505 | 0.095211 | 87.228 | 87.348 | 87.555 | 0.10234 | -0.239 | 0.0397 | 0.286 | 0.15164 |
| 30 | 87.138 | 87.309 | 87.505 | 0.095211 | 87.057 | 87.185 | 87.392 | 0.11017 | -0.394 | -0.1238 | 0.123 | 0.15096 |
| 50 | 87.138 | 87.309 | 87.505 | 0.095211 | 87.025 | 87.22 | 87.63 | 0.18228 | -0.408 | -0.0887 | 0.361 | 0.20644 |
| 100 | 87.174 | 87.289 | 87.402 | 0.081319 | 86.719 | 86.924 | 87.236 | 0.20598 | -0.679 | -0.36475 | 0.036 | 0.24051 |

# Device Test: 6.79 VOH_10mA_EN4/EN4/1.6/3/0/0/10/@VOH_EN_10MA



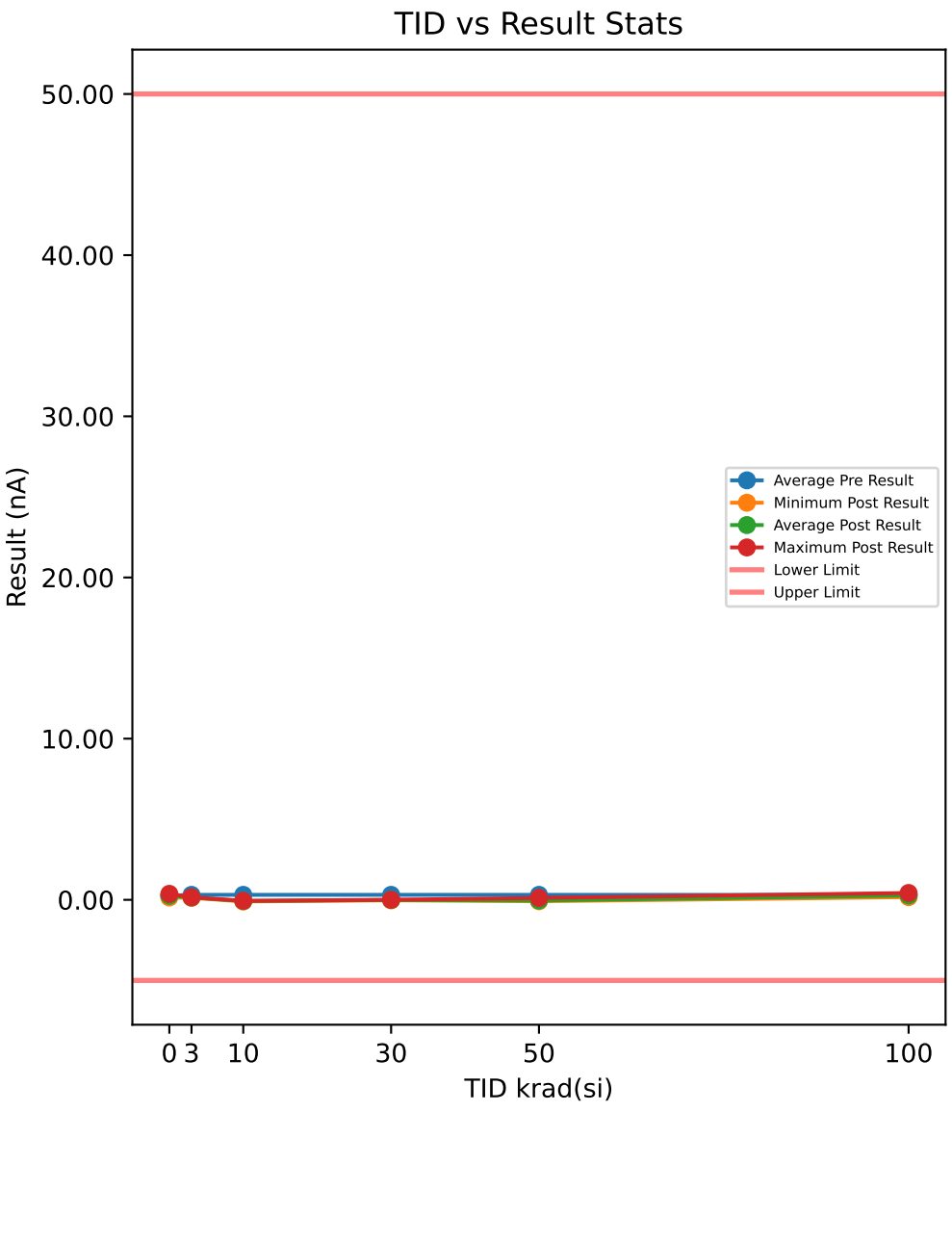

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

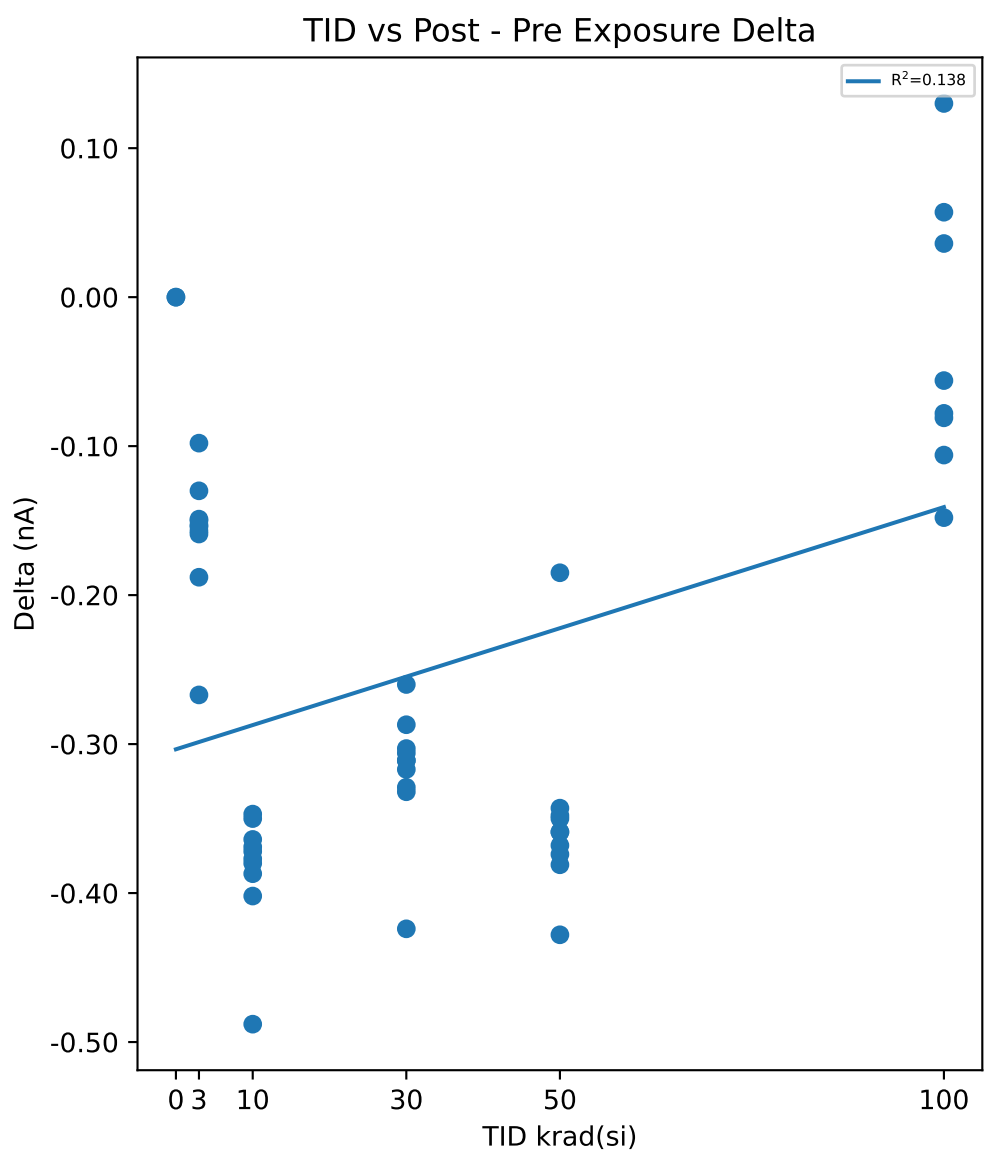
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 87.676 | 87.676 | 0 |
| 7 | 0 | Correlation | 87.888 | 87.888 | 0 |
| 16 | 3 | LDR-Biased | 87.735 | 88.041 | 0.306 |
| 18 | 3 | LDR-Biased | 87.795 | 87.916 | 0.121 |
| 19 | 3 | LDR-Biased | 87.814 | 87.853 | 0.039 |
| 20 | 3 | LDR-Biased | 87.783 | 88.084 | 0.301 |
| 21 | 3 | LDR-Biased | 87.882 | 87.903 | 0.021 |
| 22 | 3 | LDR-Unbiased | 87.586 | 87.957 | 0.371 |
| 23 | 3 | LDR-Unbiased | 87.938 | 87.814 | -0.124 |
| 25 | 3 | LDR-Unbiased | 87.76 | 87.813 | 0.053 |
| 26 | 3 | LDR-Unbiased | 87.764 | 87.809 | 0.045 |
| 27 | 3 | LDR-Unbiased | 87.758 | 87.92 | 0.162 |
| 46 | 10 | LDR-Biased | 87.735 | 87.94 | 0.205 |
| 48 | 10 | LDR-Biased | 87.795 | 87.84 | 0.045 |
| 49 | 10 | LDR-Biased | 87.814 | 87.789 | -0.025 |
| 50 | 10 | LDR-Biased | 87.783 | 88.01 | 0.227 |
| 51 | 10 | LDR-Biased | 87.882 | 87.82 | -0.062 |
| 52 | 10 | LDR-Unbiased | 87.586 | 87.874 | 0.288 |
| 53 | 10 | LDR-Unbiased | 87.938 | 87.744 | -0.194 |
| 55 | 10 | LDR-Unbiased | 87.76 | 87.744 | -0.016 |
| 56 | 10 | LDR-Unbiased | 87.764 | 87.766 | 0.002 |
| 57 | 10 | LDR-Unbiased | 87.758 | 87.871 | 0.113 |
| 76 | 30 | LDR-Biased | 87.735 | 87.792 | 0.057 |
| 78 | 30 | LDR-Biased | 87.795 | 87.636 | -0.159 |
| 79 | 30 | LDR-Biased | 87.814 | 87.639 | -0.175 |
| 80 | 30 | LDR-Biased | 87.783 | 87.875 | 0.092 |
| 81 | 30 | LDR-Biased | 87.882 | 87.75 | -0.132 |
| 82 | 30 | LDR-Unbiased | 87.586 | 87.71 | 0.124 |
| 83 | 30 | LDR-Unbiased | 87.938 | 87.593 | -0.345 |
| 84 | 30 | LDR-Unbiased | 87.758 | 87.71 | -0.048 |
| 85 | 30 | LDR-Unbiased | 87.76 | 87.582 | -0.178 |
| 86 | 30 | LDR-Unbiased | 87.764 | 87.582 | -0.182 |
| 87 | 100 | LDR-Biased | 87.871 | 87.206 | -0.665 |
| 88 | 100 | LDR-Biased | 87.67 | 87.723 | 0.053 |
| 90 | 100 | LDR-Biased | 87.774 | 87.703 | -0.071 |
| 91 | 100 | LDR-Unbiased | 87.621 | 87.179 | -0.442 |
| 93 | 100 | LDR-Unbiased | 87.879 | 87.212 | -0.667 |
| 94 | 100 | LDR-Unbiased | 87.729 | 87.45 | -0.279 |
| 95 | 100 | LDR-Unbiased | 87.872 | 87.404 | -0.468 |
| 96 | 100 | LDR-Unbiased | 87.749 | 87.412 | -0.337 |
| 106 | 50 | LDR-Biased | 87.735 | 88.018 | 0.283 |
| 108 | 50 | LDR-Biased | 87.795 | 87.722 | -0.073 |
| 109 | 50 | LDR-Biased | 87.814 | 87.717 | -0.097 |
| 110 | 50 | LDR-Biased | 87.783 | 87.93 | 0.147 |
| 111 | 50 | LDR-Biased | 87.882 | 87.767 | -0.115 |
| 112 | 50 | LDR-Unbiased | 87.586 | 87.679 | 0.093 |
| 113 | 50 | LDR-Unbiased | 87.938 | 87.579 | -0.359 |
| 115 | 50 | LDR-Unbiased | 87.76 | 87.564 | -0.196 |
| 116 | 50 | LDR-Unbiased | 87.764 | 87.535 | -0.229 |
| 117 | 50 | LDR-Unbiased | 87.758 | 87.676 | -0.082 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 87.676 | 87.782 | 87.888 | 0.14991 | 87.676 | 87.782 | 87.888 | 0.14991 | 0 | 0 | 0 | 0 |
| 3 | 87.586 | 87.782 | 87.938 | 0.092818 | 87.809 | 87.911 | 88.084 | 0.095392 | -0.124 | 0.1295 | 0.371 | 0.15536 |
| 10 | 87.586 | 87.782 | 87.938 | 0.092818 | 87.744 | 87.84 | 88.01 | 0.086875 | -0.194 | 0.0583 | 0.288 | 0.14895 |
| 30 | 87.586 | 87.782 | 87.938 | 0.092818 | 87.582 | 87.687 | 87.875 | 0.098425 | -0.345 | -0.0946 | 0.124 | 0.14797 |
| 50 | 87.586 | 87.782 | 87.938 | 0.092818 | 87.535 | 87.719 | 88.018 | 0.15534 | -0.359 | -0.0628 | 0.283 | 0.19013 |
| 100 | 87.621 | 87.771 | 87.879 | 0.097704 | 87.179 | 87.411 | 87.723 | 0.21368 | -0.667 | -0.3595 | 0.053 | 0.25825 |

# Device Test: 6.8 ILKG_DOWNb/DOWNb//3/0/0/0/@ILKG_UP_DOWN




Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

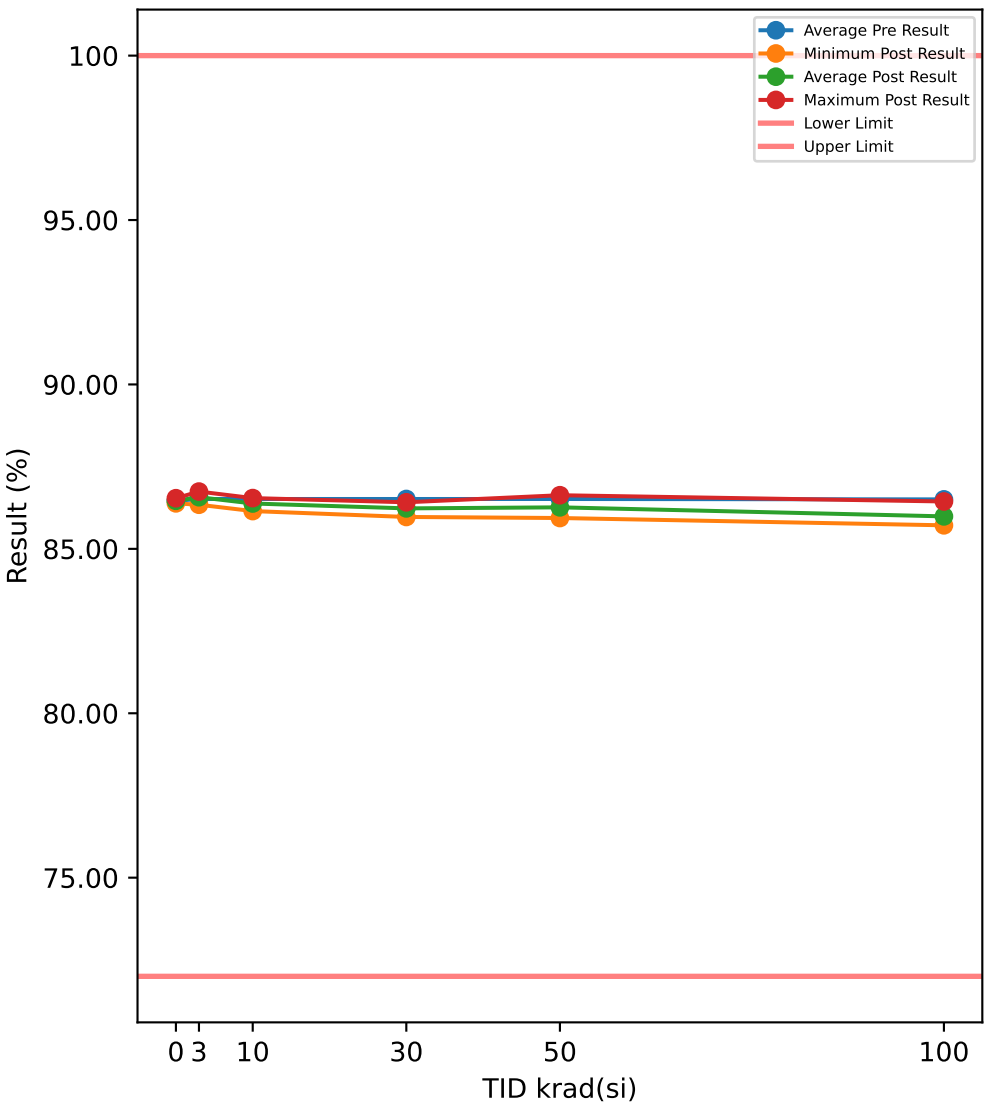
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 0.371 | 0.371 | 0 |
| 7 | 0 | Correlation | 0.147 | 0.147 | 0 |
| 16 | 3 | LDR-Biased | 0.415 | 0.148 | -0.267 |
| 18 | 3 | LDR-Biased | 0.313 | 0.159 | -0.154 |
| 19 | 3 | LDR-Biased | 0.304 | 0.147 | -0.157 |
| 20 | 3 | LDR-Biased | 0.313 | 0.125 | -0.188 |
| 21 | 3 | LDR-Biased | 0.302 | 0.153 | -0.149 |
| 22 | 3 | LDR-Unbiased | 0.3 | 0.141 | -0.159 |
| 23 | 3 | LDR-Unbiased | 0.289 | 0.139 | -0.15 |
| 25 | 3 | LDR-Unbiased | 0.256 | 0.158 | -0.098 |
| 26 | 3 | LDR-Unbiased | 0.29 | 0.16 | -0.13 |
| 27 | 3 | LDR-Unbiased | 0.301 | 0.148 | -0.153 |
| 46 | 10 | LDR-Biased | 0.415 | -0.073 | -0.488 |
| 48 | 10 | LDR-Biased | 0.313 | -0.074 | -0.387 |
| 49 | 10 | LDR-Biased | 0.304 | -0.073 | -0.377 |
| 50 | 10 | LDR-Biased | 0.313 | -0.067 | -0.38 |
| 51 | 10 | LDR-Biased | 0.302 | -0.067 | -0.369 |
| 52 | 10 | LDR-Unbiased | 0.3 | -0.102 | -0.402 |
| 53 | 10 | LDR-Unbiased | 0.289 | -0.061 | -0.35 |
| 55 | 10 | LDR-Unbiased | 0.256 | -0.091 | -0.347 |
| 56 | 10 | LDR-Unbiased | 0.29 | -0.082 | -0.372 |
| 57 | 10 | LDR-Unbiased | 0.301 | -0.063 | -0.364 |
| 76 | 30 | LDR-Biased | 0.415 | -0.009 | -0.424 |
| 78 | 30 | LDR-Biased | 0.313 | -0.019 | -0.332 |
| 79 | 30 | LDR-Biased | 0.304 | -0.007 | -0.311 |
| 80 | 30 | LDR-Biased | 0.313 | -0.004 | -0.317 |
| 81 | 30 | LDR-Biased | 0.302 | -0.004 | -0.306 |
| 82 | 30 | LDR-Unbiased | 0.3 | -0.003 | -0.303 |
| 83 | 30 | LDR-Unbiased | 0.289 | -0.022 | -0.311 |
| 84 | 30 | LDR-Unbiased | 0.301 | -0.028 | -0.329 |
| 85 | 30 | LDR-Unbiased | 0.256 | -0.004 | -0.26 |
| 86 | 30 | LDR-Unbiased | 0.29 | 0.003 | -0.287 |
| 87 | 100 | LDR-Biased | 0.296 | 0.332 | 0.036 |
| 88 | 100 | LDR-Biased | 0.294 | 0.424 | 0.13 |
| 90 | 100 | LDR-Biased | 0.286 | 0.208 | -0.078 |
| 91 | 100 | LDR-Unbiased | 0.309 | 0.366 | 0.057 |
| 93 | 100 | LDR-Unbiased | 0.3 | 0.219 | -0.081 |
| 94 | 100 | LDR-Unbiased | 0.326 | 0.22 | -0.106 |
| 95 | 100 | LDR-Unbiased | 0.316 | 0.168 | -0.148 |
| 96 | 100 | LDR-Unbiased | 0.287 | 0.231 | -0.056 |
| 106 | 50 | LDR-Biased | 0.415 | -0.013 | -0.428 |
| 108 | 50 | LDR-Biased | 0.313 | -0.037 | -0.35 |
| 109 | 50 | LDR-Biased | 0.304 | -0.07 | -0.374 |
| 110 | 50 | LDR-Biased | 0.313 | -0.068 | -0.381 |
| 111 | 50 | LDR-Biased | 0.302 | -0.046 | -0.348 |
| 112 | 50 | LDR-Unbiased | 0.3 | -0.059 | -0.359 |
| 113 | 50 | LDR-Unbiased | 0.289 | -0.07 | -0.359 |
| 115 | 50 | LDR-Unbiased | 0.256 | -0.087 | -0.343 |
| 116 | 50 | LDR-Unbiased | 0.29 | -0.078 | -0.368 |
| 117 | 50 | LDR-Unbiased | 0.301 | 0.116 | -0.185 |

Test Statistics (nA)

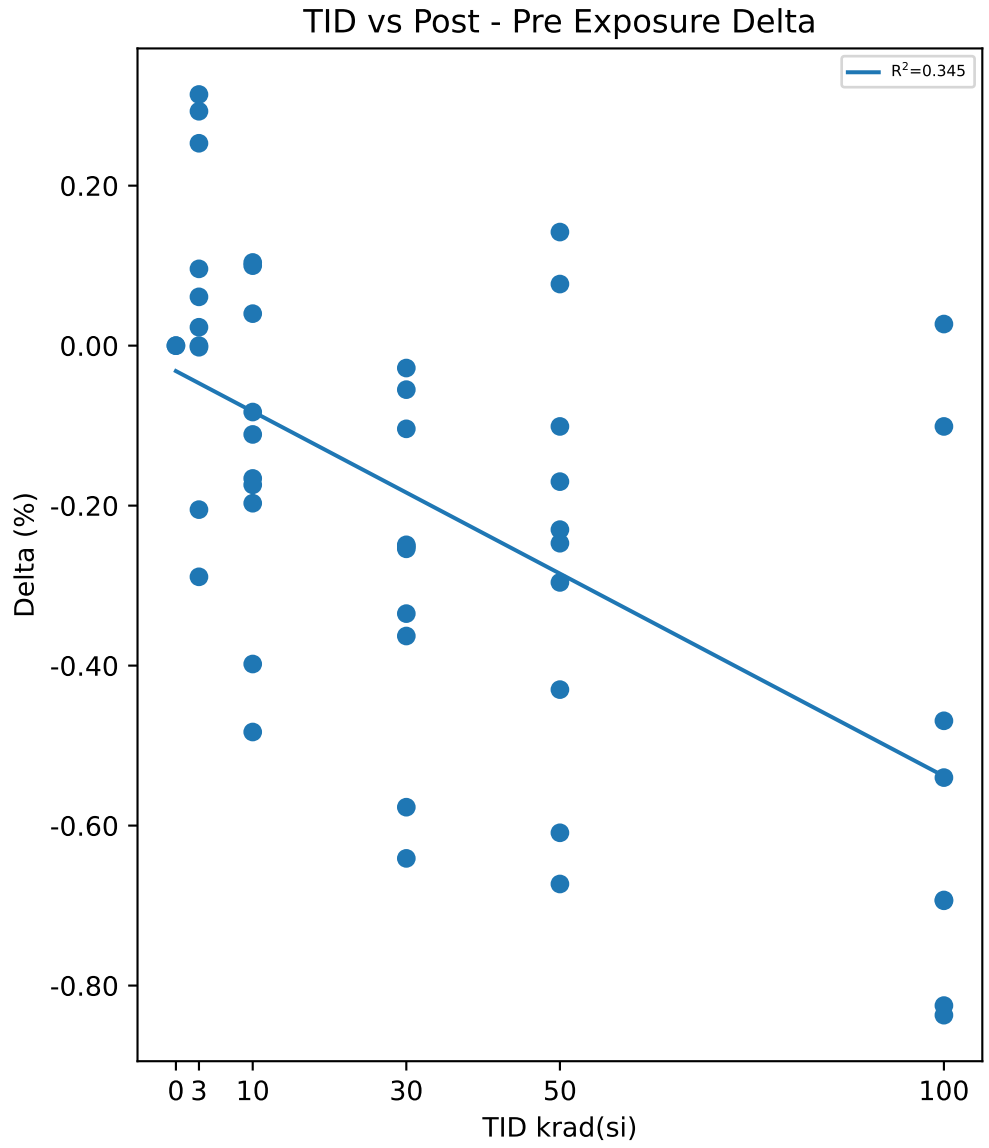
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.147 | 0.259 | 0.371 | 0.15839 | 0.147 | 0.259 | 0.371 | 0.15839 | 0 | 0 | 0 | 0 |
| 3 | 0.256 | 0.3083 | 0.415 | 0.040896 | 0.125 | 0.1478 | 0.16 | 0.010799 | -0.267 | -0.1605 | -0.098 | 0.043831 |
| 10 | 0.256 | 0.3083 | 0.415 | 0.040896 | -0.102 | -0.0753 | -0.061 | 0.012953 | -0.488 | -0.3836 | -0.347 | 0.040148 |
| 30 | 0.256 | 0.3083 | 0.415 | 0.040896 | -0.028 | -0.0097 | 0.003 | 0.0099113 | -0.424 | -0.318 | -0.26 | 0.042617 |
| 50 | 0.256 | 0.3083 | 0.415 | 0.040896 | -0.087 | -0.0412 | 0.116 | 0.059342 | -0.428 | -0.3495 | -0.185 | 0.062701 |
| 100 | 0.286 | 0.30175 | 0.326 | 0.01417 | 0.168 | 0.271 | 0.424 | 0.090741 | -0.148 | -0.03075 | 0.13 | 0.094719 |

# Device Test: 6.80 VOH_10mA_SEQ/SEQ_DONE/1.6/3/0/0/10/@VOH_SEQ_DONE_10MA

## TID vs Result Stats




## TID vs Post - Pre Exposure Delta



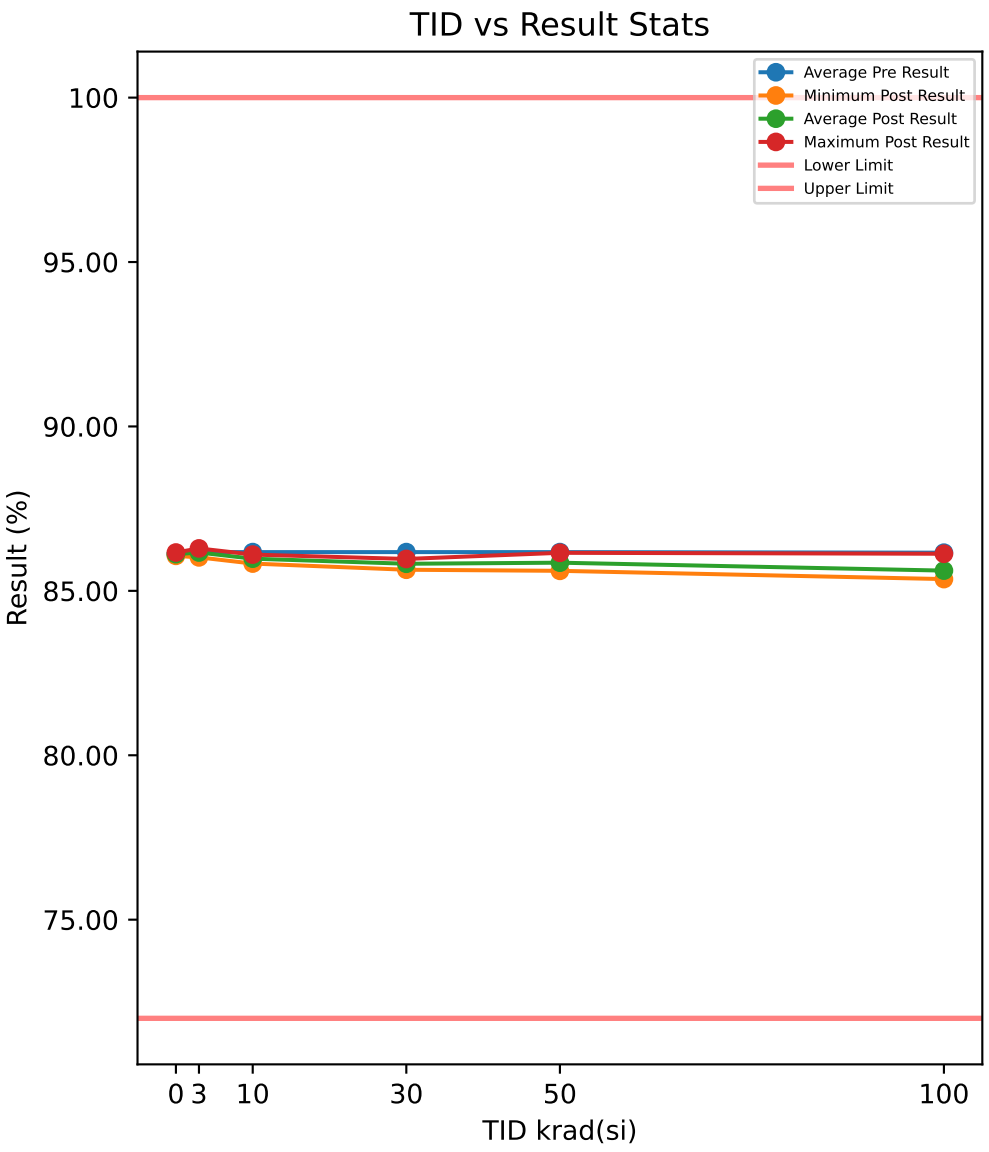

## Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

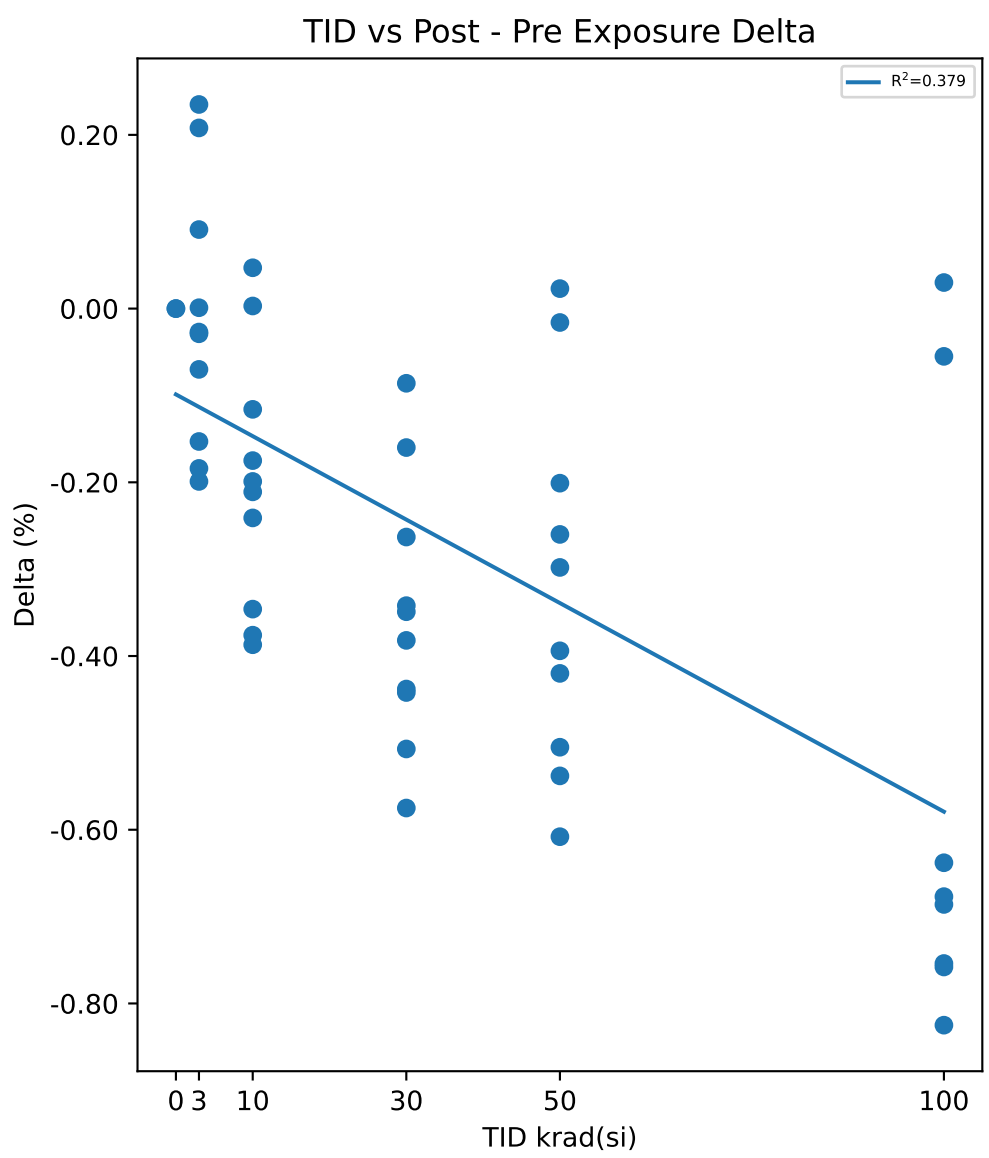
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.384 | 86.384 | 0 |
| 7 | 0 | Correlation | 86.54 | 86.54 | 0 |
| 16 | 3 | LDR-Biased | 86.489 | 86.742 | 0.253 |
| 18 | 3 | LDR-Biased | 86.541 | 86.564 | 0.023 |
| 19 | 3 | LDR-Biased | 86.497 | 86.558 | 0.061 |
| 20 | 3 | LDR-Biased | 86.444 | 86.737 | 0.293 |
| 21 | 3 | LDR-Biased | 86.598 | 86.598 | 0 |
| 22 | 3 | LDR-Unbiased | 86.368 | 86.682 | 0.314 |
| 23 | 3 | LDR-Unbiased | 86.741 | 86.452 | -0.289 |
| 25 | 3 | LDR-Unbiased | 86.547 | 86.342 | -0.205 |
| 26 | 3 | LDR-Unbiased | 86.477 | 86.475 | -0.002 |
| 27 | 3 | LDR-Unbiased | 86.462 | 86.558 | 0.096 |
| 46 | 10 | LDR-Biased | 86.489 | 86.529 | 0.04 |
| 48 | 10 | LDR-Biased | 86.541 | 86.375 | -0.166 |
| 49 | 10 | LDR-Biased | 86.497 | 86.386 | -0.111 |
| 50 | 10 | LDR-Biased | 86.444 | 86.544 | 0.1 |
| 51 | 10 | LDR-Biased | 86.598 | 86.401 | -0.197 |
| 52 | 10 | LDR-Unbiased | 86.368 | 86.472 | 0.104 |
| 53 | 10 | LDR-Unbiased | 86.741 | 86.258 | -0.483 |
| 55 | 10 | LDR-Unbiased | 86.547 | 86.149 | -0.398 |
| 56 | 10 | LDR-Unbiased | 86.477 | 86.303 | -0.174 |
| 57 | 10 | LDR-Unbiased | 86.462 | 86.379 | -0.083 |
| 76 | 30 | LDR-Biased | 86.489 | 86.385 | -0.104 |
| 78 | 30 | LDR-Biased | 86.541 | 86.206 | -0.335 |
| 79 | 30 | LDR-Biased | 86.497 | 86.246 | -0.251 |
| 80 | 30 | LDR-Biased | 86.444 | 86.416 | -0.028 |
| 81 | 30 | LDR-Biased | 86.598 | 86.344 | -0.254 |
| 82 | 30 | LDR-Unbiased | 86.368 | 86.313 | -0.055 |
| 83 | 30 | LDR-Unbiased | 86.741 | 86.1 | -0.641 |
| 84 | 30 | LDR-Unbiased | 86.462 | 86.213 | -0.249 |
| 85 | 30 | LDR-Unbiased | 86.547 | 85.97 | -0.577 |
| 86 | 30 | LDR-Unbiased | 86.477 | 86.114 | -0.363 |
| 87 | 100 | LDR-Biased | 86.57 | 85.745 | -0.825 |
| 88 | 100 | LDR-Biased | 86.414 | 86.441 | 0.027 |
| 90 | 100 | LDR-Biased | 86.519 | 86.418 | -0.101 |
| 91 | 100 | LDR-Unbiased | 86.409 | 85.716 | -0.693 |
| 93 | 100 | LDR-Unbiased | 86.593 | 85.756 | -0.837 |
| 94 | 100 | LDR-Unbiased | 86.482 | 86.013 | -0.469 |
| 95 | 100 | LDR-Unbiased | 86.598 | 85.904 | -0.694 |
| 96 | 100 | LDR-Unbiased | 86.45 | 85.91 | -0.54 |
| 106 | 50 | LDR-Biased | 86.489 | 86.631 | 0.142 |
| 108 | 50 | LDR-Biased | 86.541 | 86.294 | -0.247 |
| 109 | 50 | LDR-Biased | 86.497 | 86.327 | -0.17 |
| 110 | 50 | LDR-Biased | 86.444 | 86.521 | 0.077 |
| 111 | 50 | LDR-Biased | 86.598 | 86.368 | -0.23 |
| 112 | 50 | LDR-Unbiased | 86.368 | 86.267 | -0.101 |
| 113 | 50 | LDR-Unbiased | 86.741 | 86.068 | -0.673 |
| 115 | 50 | LDR-Unbiased | 86.547 | 85.938 | -0.609 |
| 116 | 50 | LDR-Unbiased | 86.477 | 86.047 | -0.43 |
| 117 | 50 | LDR-Unbiased | 86.462 | 86.166 | -0.296 |

## Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.384 | 86.462 | 86.54 | 0.11031 | 86.384 | 86.462 | 86.54 | 0.11031 | 0 | 0 | 0 | 0 |
| 3 | 86.368 | 86.516 | 86.741 | 0.10086 | 86.342 | 86.571 | 86.742 | 0.12739 | -0.289 | 0.0544 | 0.314 | 0.19941 |
| 10 | 86.368 | 86.516 | 86.741 | 0.10086 | 86.149 | 86.38 | 86.544 | 0.12121 | -0.483 | -0.1368 | 0.104 | 0.19517 |
| 30 | 86.368 | 86.516 | 86.741 | 0.10086 | 85.97 | 86.231 | 86.416 | 0.14047 | -0.641 | -0.2857 | -0.028 | 0.20432 |
| 50 | 86.368 | 86.516 | 86.741 | 0.10086 | 85.938 | 86.263 | 86.631 | 0.21546 | -0.673 | -0.2537 | 0.142 | 0.26495 |
| 100 | 86.409 | 86.504 | 86.598 | 0.077332 | 85.716 | 85.988 | 86.441 | 0.2905 | -0.837 | -0.5165 | 0.027 | 0.32324 |

# Device Test: 6.81 VOH_10mA_PWRGD/PWRGD/1.6/3/0/0/10/@VOH_PWRGD_10MA



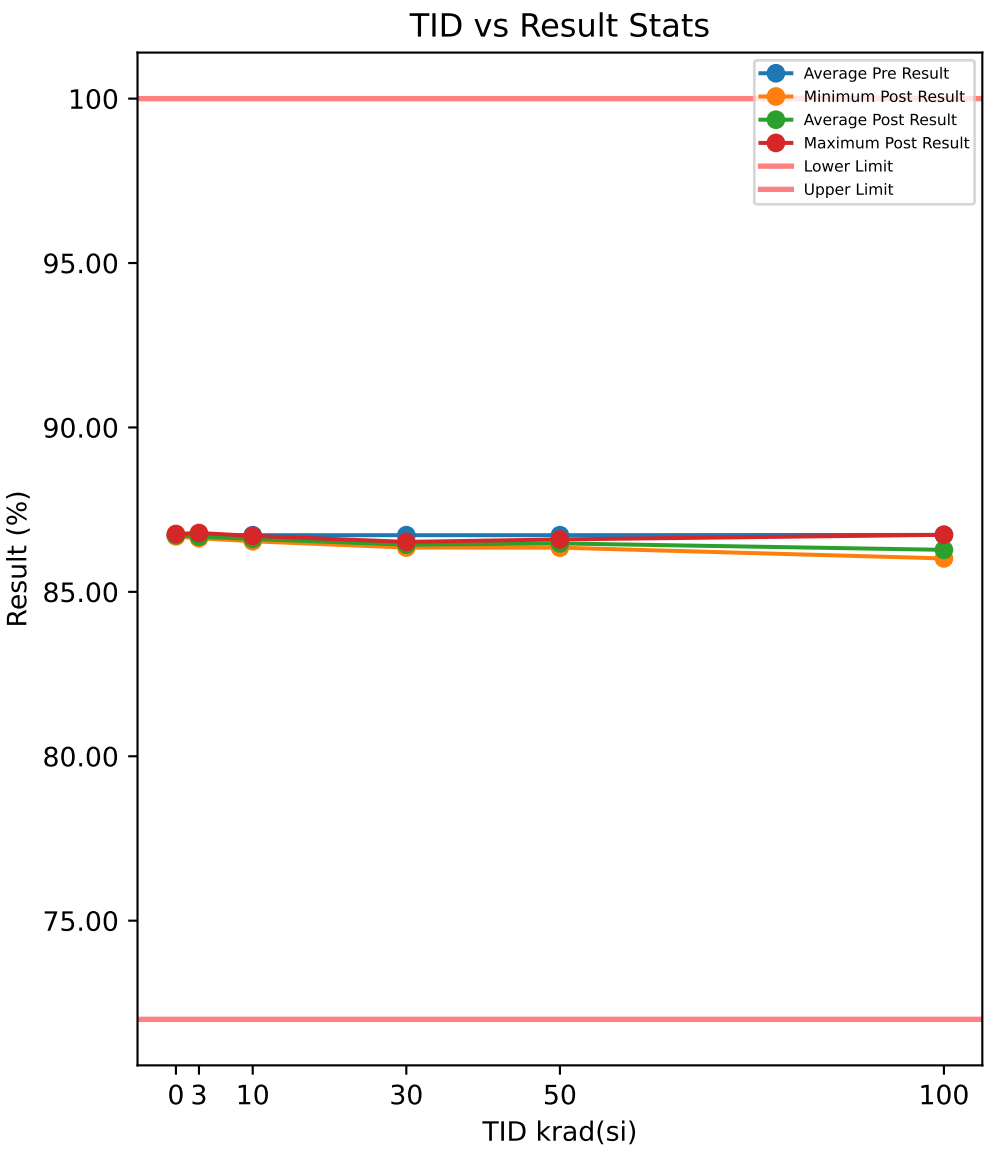

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

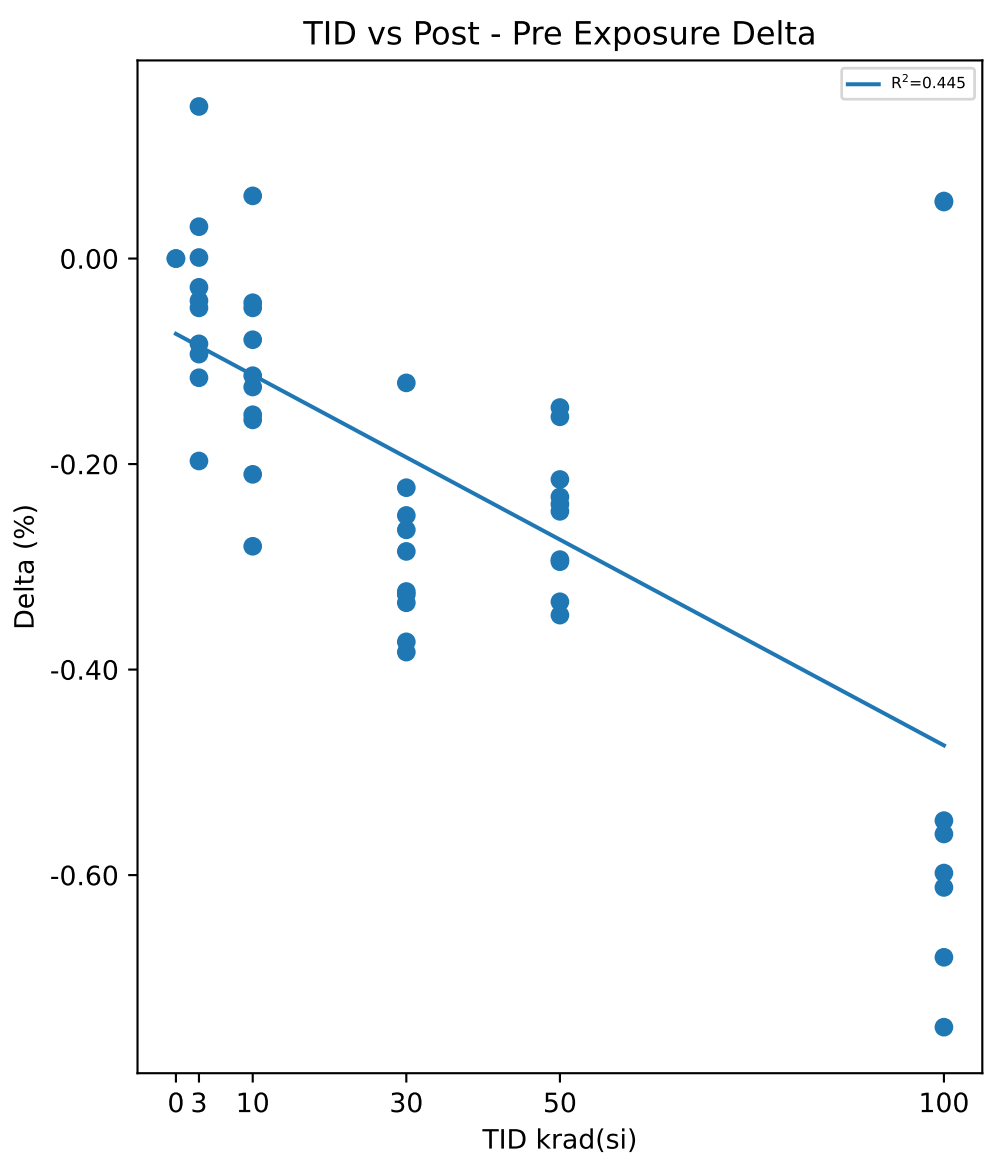
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.065 | 86.065 | 0 |
| 7 | 0 | Correlation | 86.166 | 86.166 | 0 |
| 16 | 3 | LDR-Biased | 86.173 | 86.264 | 0.091 |
| 18 | 3 | LDR-Biased | 86.184 | 86.157 | -0.027 |
| 19 | 3 | LDR-Biased | 86.204 | 86.175 | -0.029 |
| 20 | 3 | LDR-Biased | 86.056 | 86.291 | 0.235 |
| 21 | 3 | LDR-Biased | 86.294 | 86.11 | -0.184 |
| 22 | 3 | LDR-Unbiased | 86.075 | 86.283 | 0.208 |
| 23 | 3 | LDR-Unbiased | 86.291 | 86.138 | -0.153 |
| 25 | 3 | LDR-Unbiased | 86.217 | 86.018 | -0.199 |
| 26 | 3 | LDR-Unbiased | 86.152 | 86.082 | -0.07 |
| 27 | 3 | LDR-Unbiased | 86.139 | 86.14 | 0.001 |
| 46 | 10 | LDR-Biased | 86.173 | 86.057 | -0.116 |
| 48 | 10 | LDR-Biased | 86.184 | 85.973 | -0.211 |
| 49 | 10 | LDR-Biased | 86.204 | 86.005 | -0.199 |
| 50 | 10 | LDR-Biased | 86.056 | 86.103 | 0.047 |
| 51 | 10 | LDR-Biased | 86.294 | 85.918 | -0.376 |
| 52 | 10 | LDR-Unbiased | 86.075 | 86.078 | 0.003 |
| 53 | 10 | LDR-Unbiased | 86.291 | 85.945 | -0.346 |
| 55 | 10 | LDR-Unbiased | 86.217 | 85.83 | -0.387 |
| 56 | 10 | LDR-Unbiased | 86.152 | 85.911 | -0.241 |
| 57 | 10 | LDR-Unbiased | 86.139 | 85.964 | -0.175 |
| 76 | 30 | LDR-Biased | 86.173 | 85.91 | -0.263 |
| 78 | 30 | LDR-Biased | 86.184 | 85.802 | -0.382 |
| 79 | 30 | LDR-Biased | 86.204 | 85.862 | -0.342 |
| 80 | 30 | LDR-Biased | 86.056 | 85.97 | -0.086 |
| 81 | 30 | LDR-Biased | 86.294 | 85.852 | -0.442 |
| 82 | 30 | LDR-Unbiased | 86.075 | 85.915 | -0.16 |
| 83 | 30 | LDR-Unbiased | 86.291 | 85.784 | -0.507 |
| 84 | 30 | LDR-Unbiased | 86.139 | 85.79 | -0.349 |
| 85 | 30 | LDR-Unbiased | 86.217 | 85.642 | -0.575 |
| 86 | 30 | LDR-Unbiased | 86.152 | 85.714 | -0.438 |
| 87 | 100 | LDR-Biased | 86.182 | 85.428 | -0.754 |
| 88 | 100 | LDR-Biased | 86.098 | 86.128 | 0.03 |
| 90 | 100 | LDR-Biased | 86.161 | 86.106 | -0.055 |
| 91 | 100 | LDR-Unbiased | 86.116 | 85.358 | -0.758 |
| 93 | 100 | LDR-Unbiased | 86.289 | 85.464 | -0.825 |
| 94 | 100 | LDR-Unbiased | 86.165 | 85.527 | -0.638 |
| 95 | 100 | LDR-Unbiased | 86.15 | 85.473 | -0.677 |
| 96 | 100 | LDR-Unbiased | 86.128 | 85.442 | -0.686 |
| 106 | 50 | LDR-Biased | 86.173 | 86.157 | -0.016 |
| 108 | 50 | LDR-Biased | 86.184 | 85.886 | -0.298 |
| 109 | 50 | LDR-Biased | 86.204 | 85.944 | -0.26 |
| 110 | 50 | LDR-Biased | 86.056 | 86.079 | 0.023 |
| 111 | 50 | LDR-Biased | 86.294 | 85.874 | -0.42 |
| 112 | 50 | LDR-Unbiased | 86.075 | 85.874 | -0.201 |
| 113 | 50 | LDR-Unbiased | 86.291 | 85.753 | -0.538 |
| 115 | 50 | LDR-Unbiased | 86.217 | 85.609 | -0.608 |
| 116 | 50 | LDR-Unbiased | 86.152 | 85.647 | -0.505 |
| 117 | 50 | LDR-Unbiased | 86.139 | 85.745 | -0.394 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.065 | 86.115 | 86.166 | 0.071418 | 86.065 | 86.115 | 86.166 | 0.071418 | 0 | 0 | 0 | 0 |
| 3 | 86.056 | 86.178 | 86.294 | 0.079001 | 86.018 | 86.166 | 86.291 | 0.089837 | -0.199 | -0.0127 | 0.235 | 0.1522 |
| 10 | 86.056 | 86.178 | 86.294 | 0.079001 | 85.83 | 85.978 | 86.103 | 0.084259 | -0.387 | -0.2001 | 0.047 | 0.14868 |
| 30 | 86.056 | 86.178 | 86.294 | 0.079001 | 85.642 | 85.824 | 85.97 | 0.098705 | -0.575 | -0.3544 | -0.086 | 0.1512 |
| 50 | 86.056 | 86.178 | 86.294 | 0.079001 | 85.609 | 85.857 | 86.157 | 0.17551 | -0.608 | -0.3217 | 0.023 | 0.21303 |
| 100 | 86.098 | 86.161 | 86.289 | 0.058609 | 85.358 | 85.616 | 86.128 | 0.31303 | -0.825 | -0.54538 | 0.03 | 0.33469 |

# Device Test: 6.82 VOH_10mA_EN1/EN1/1.6/14/0/0/10/@VOH_EN_10MA



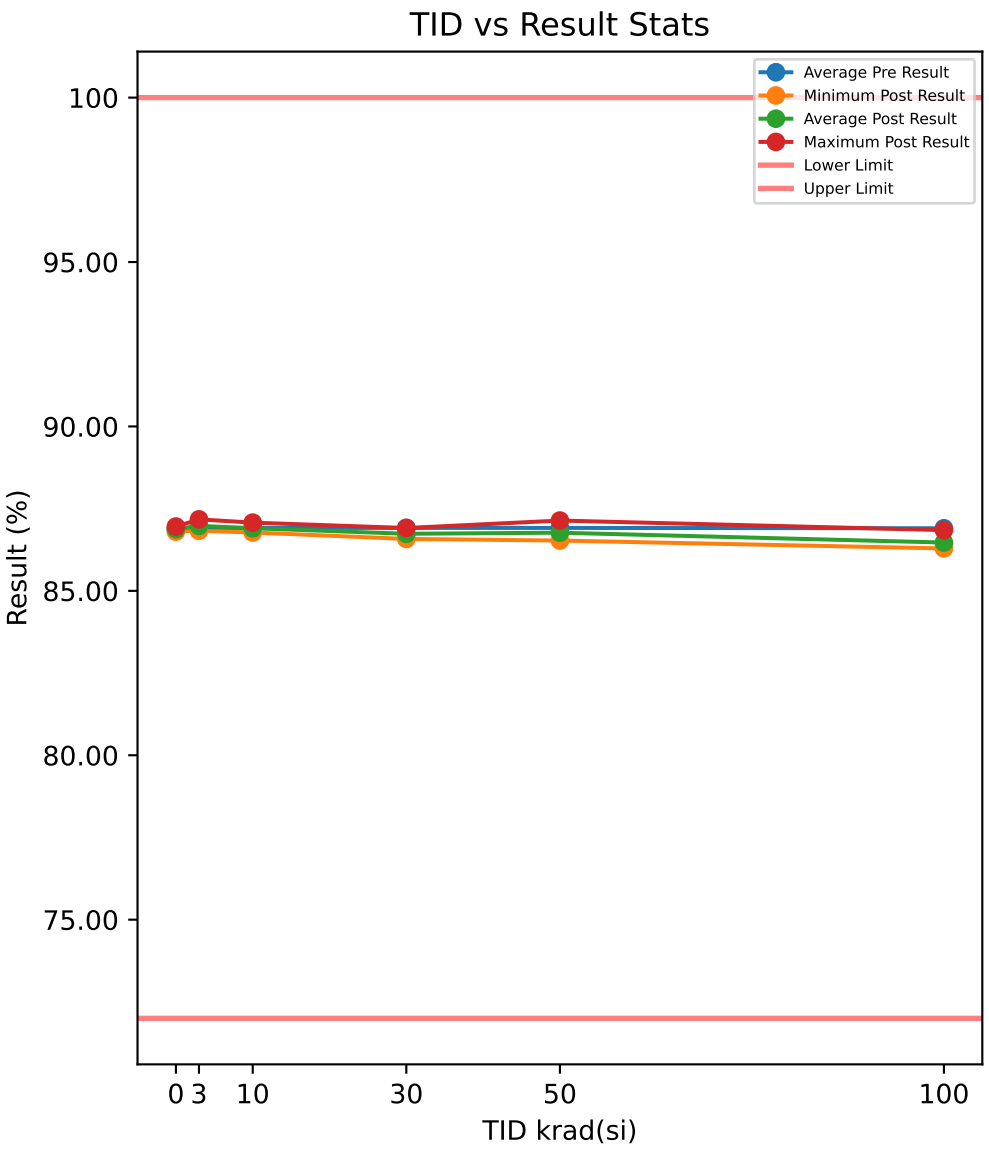

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

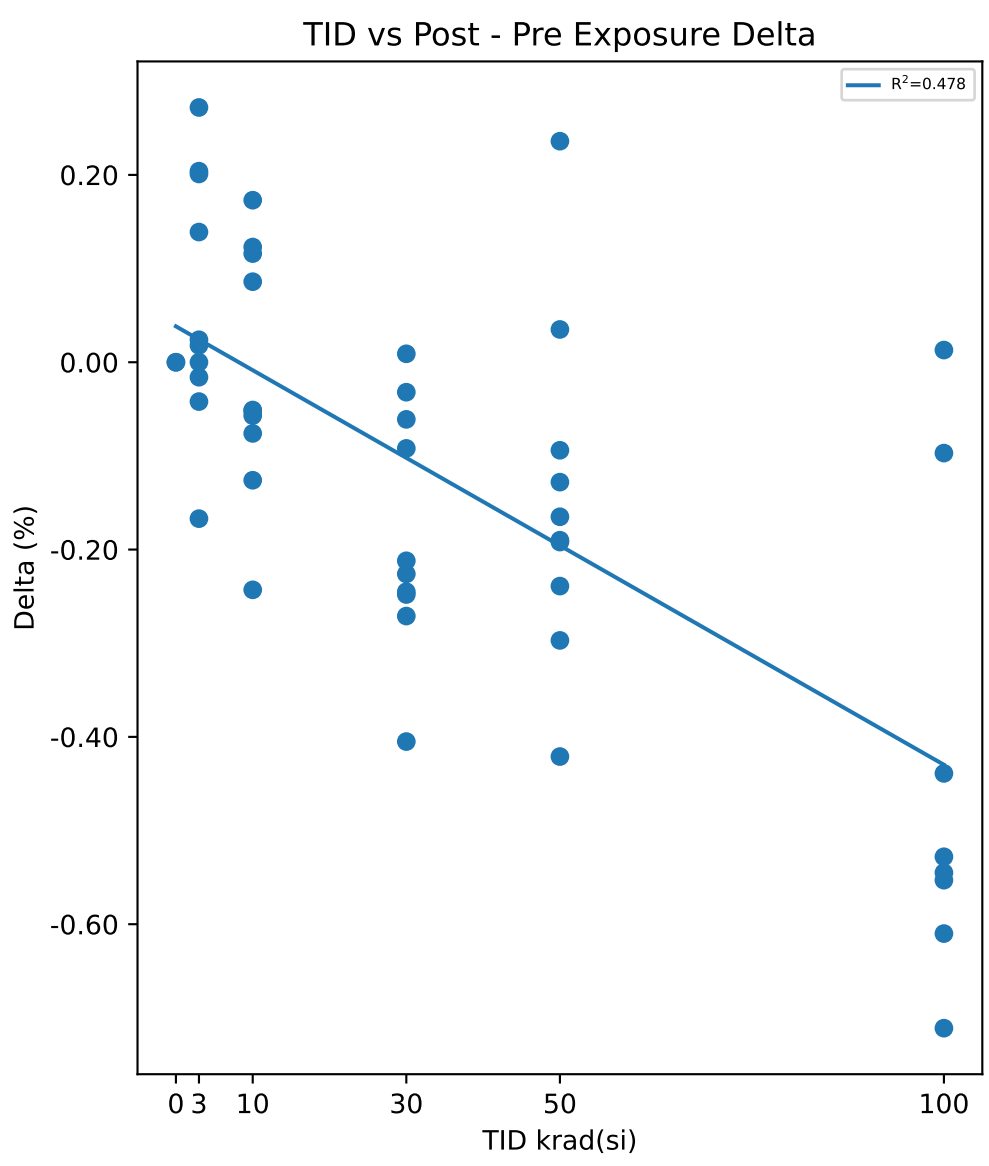
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.688 | 86.688 | 0 |
| 7 | 0 | Correlation | 86.759 | 86.759 | 0 |
| 16 | 3 | LDR-Biased | 86.748 | 86.632 | -0.116 |
| 18 | 3 | LDR-Biased | 86.682 | 86.641 | -0.041 |
| 19 | 3 | LDR-Biased | 86.766 | 86.673 | -0.093 |
| 20 | 3 | LDR-Biased | 86.704 | 86.656 | -0.048 |
| 21 | 3 | LDR-Biased | 86.871 | 86.674 | -0.197 |
| 22 | 3 | LDR-Unbiased | 86.641 | 86.789 | 0.148 |
| 23 | 3 | LDR-Unbiased | 86.774 | 86.691 | -0.083 |
| 25 | 3 | LDR-Unbiased | 86.703 | 86.734 | 0.031 |
| 26 | 3 | LDR-Unbiased | 86.637 | 86.638 | 0.001 |
| 27 | 3 | LDR-Unbiased | 86.706 | 86.678 | -0.028 |
| 46 | 10 | LDR-Biased | 86.748 | 86.538 | -0.21 |
| 48 | 10 | LDR-Biased | 86.682 | 86.568 | -0.114 |
| 49 | 10 | LDR-Biased | 86.766 | 86.614 | -0.152 |
| 50 | 10 | LDR-Biased | 86.704 | 86.579 | -0.125 |
| 51 | 10 | LDR-Biased | 86.871 | 86.591 | -0.28 |
| 52 | 10 | LDR-Unbiased | 86.641 | 86.702 | 0.061 |
| 53 | 10 | LDR-Unbiased | 86.774 | 86.617 | -0.157 |
| 55 | 10 | LDR-Unbiased | 86.703 | 86.66 | -0.043 |
| 56 | 10 | LDR-Unbiased | 86.637 | 86.589 | -0.048 |
| 57 | 10 | LDR-Unbiased | 86.706 | 86.627 | -0.079 |
| 76 | 30 | LDR-Biased | 86.748 | 86.365 | -0.383 |
| 78 | 30 | LDR-Biased | 86.682 | 86.347 | -0.335 |
| 79 | 30 | LDR-Biased | 86.766 | 86.439 | -0.327 |
| 80 | 30 | LDR-Biased | 86.704 | 86.419 | -0.285 |
| 81 | 30 | LDR-Biased | 86.871 | 86.498 | -0.373 |
| 82 | 30 | LDR-Unbiased | 86.641 | 86.52 | -0.121 |
| 83 | 30 | LDR-Unbiased | 86.774 | 86.45 | -0.324 |
| 84 | 30 | LDR-Unbiased | 86.706 | 86.442 | -0.264 |
| 85 | 30 | LDR-Unbiased | 86.703 | 86.48 | -0.223 |
| 86 | 30 | LDR-Unbiased | 86.637 | 86.387 | -0.25 |
| 87 | 100 | LDR-Biased | 86.799 | 86.201 | -0.598 |
| 88 | 100 | LDR-Biased | 86.679 | 86.735 | 0.056 |
| 90 | 100 | LDR-Biased | 86.659 | 86.714 | 0.055 |
| 91 | 100 | LDR-Unbiased | 86.676 | 86.116 | -0.56 |
| 93 | 100 | LDR-Unbiased | 86.864 | 86.116 | -0.748 |
| 94 | 100 | LDR-Unbiased | 86.738 | 86.126 | -0.612 |
| 95 | 100 | LDR-Unbiased | 86.747 | 86.2 | -0.547 |
| 96 | 100 | LDR-Unbiased | 86.696 | 86.016 | -0.68 |
| 106 | 50 | LDR-Biased | 86.748 | 86.594 | -0.154 |
| 108 | 50 | LDR-Biased | 86.682 | 86.436 | -0.246 |
| 109 | 50 | LDR-Biased | 86.766 | 86.527 | -0.239 |
| 110 | 50 | LDR-Biased | 86.704 | 86.489 | -0.215 |
| 111 | 50 | LDR-Biased | 86.871 | 86.524 | -0.347 |
| 112 | 50 | LDR-Unbiased | 86.641 | 86.496 | -0.145 |
| 113 | 50 | LDR-Unbiased | 86.774 | 86.44 | -0.334 |
| 115 | 50 | LDR-Unbiased | 86.703 | 86.471 | -0.232 |
| 116 | 50 | LDR-Unbiased | 86.637 | 86.344 | -0.293 |
| 117 | 50 | LDR-Unbiased | 86.706 | 86.411 | -0.295 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.688 | 86.724 | 86.759 | 0.050205 | 86.688 | 86.724 | 86.759 | 0.050205 | 0 | 0 | 0 | 0 |
| 3 | 86.637 | 86.723 | 86.871 | 0.069785 | 86.632 | 86.681 | 86.789 | 0.048498 | -0.197 | -0.0426 | 0.148 | 0.092671 |
| 10 | 86.637 | 86.723 | 86.871 | 0.069785 | 86.538 | 86.609 | 86.702 | 0.047148 | -0.28 | -0.1147 | 0.061 | 0.095119 |
| 30 | 86.637 | 86.723 | 86.871 | 0.069785 | 86.347 | 86.435 | 86.52 | 0.056482 | -0.383 | -0.2885 | -0.121 | 0.078469 |
| 50 | 86.637 | 86.723 | 86.871 | 0.069785 | 86.344 | 86.473 | 86.594 | 0.069833 | -0.347 | -0.25 | -0.145 | 0.068529 |
| 100 | 86.659 | 86.732 | 86.864 | 0.070451 | 86.016 | 86.278 | 86.735 | 0.28163 | -0.748 | -0.45425 | 0.056 | 0.32122 |

# Device Test: 6.83 VOH_10mA_EN2/EN2/1.6/14/0/0/10/@VOH_EN_10MA



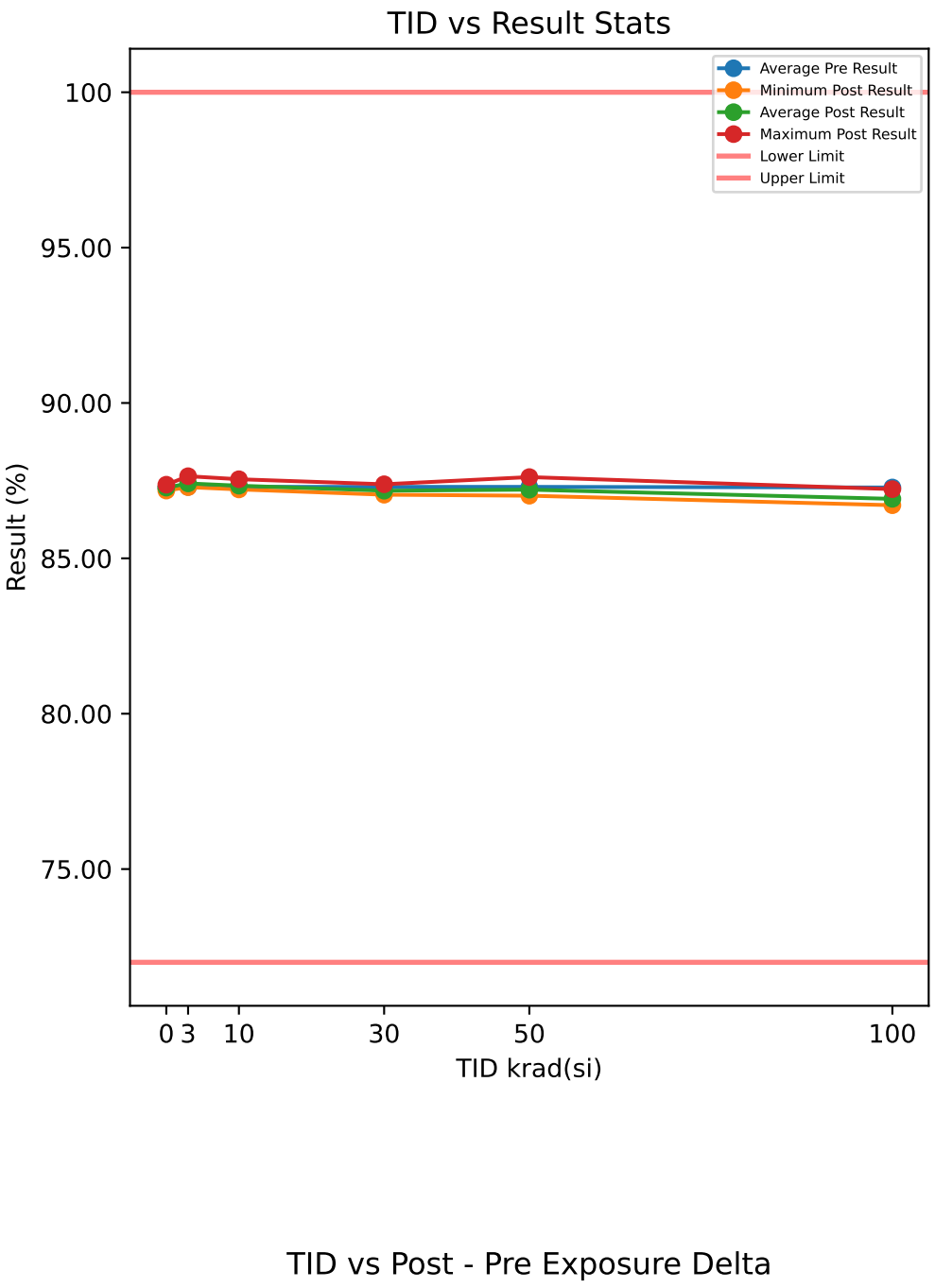

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

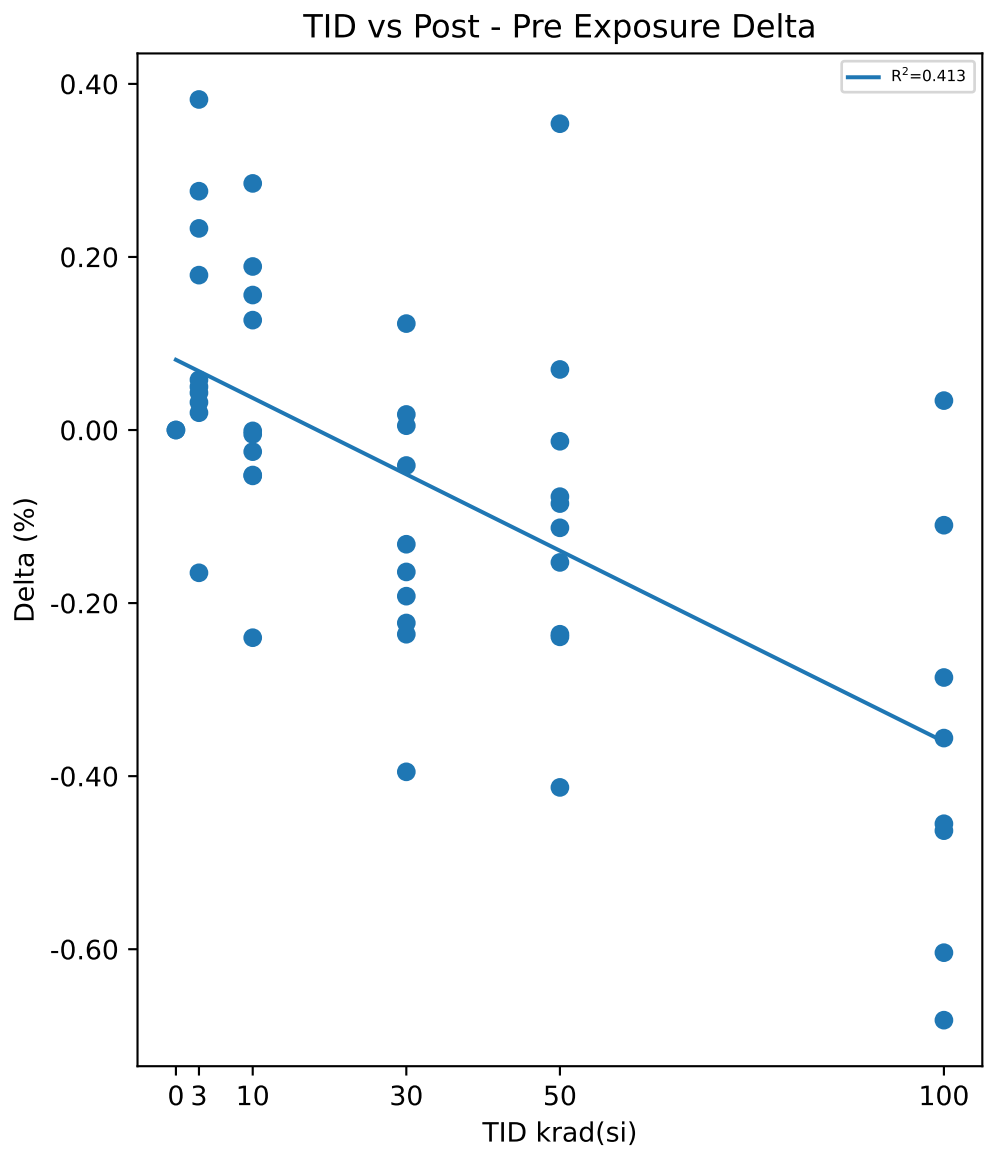
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.801 | 86.801 | 0 |
| 7 | 0 | Correlation | 86.955 | 86.955 | 0 |
| 16 | 3 | LDR-Biased | 86.902 | 87.174 | 0.272 |
| 18 | 3 | LDR-Biased | 86.944 | 86.962 | 0.018 |
| 19 | 3 | LDR-Biased | 86.944 | 86.928 | -0.016 |
| 20 | 3 | LDR-Biased | 86.885 | 87.086 | 0.201 |
| 21 | 3 | LDR-Biased | 87.018 | 86.976 | -0.042 |
| 22 | 3 | LDR-Unbiased | 86.783 | 86.987 | 0.204 |
| 23 | 3 | LDR-Unbiased | 87.082 | 86.915 | -0.167 |
| 25 | 3 | LDR-Unbiased | 86.895 | 86.919 | 0.024 |
| 26 | 3 | LDR-Unbiased | 86.827 | 86.827 | 0 |
| 27 | 3 | LDR-Unbiased | 86.861 | 87 | 0.139 |
| 46 | 10 | LDR-Biased | 86.902 | 87.075 | 0.173 |
| 48 | 10 | LDR-Biased | 86.944 | 86.887 | -0.057 |
| 49 | 10 | LDR-Biased | 86.944 | 86.868 | -0.076 |
| 50 | 10 | LDR-Biased | 86.885 | 87.008 | 0.123 |
| 51 | 10 | LDR-Biased | 87.018 | 86.892 | -0.126 |
| 52 | 10 | LDR-Unbiased | 86.783 | 86.899 | 0.116 |
| 53 | 10 | LDR-Unbiased | 87.082 | 86.839 | -0.243 |
| 55 | 10 | LDR-Unbiased | 86.895 | 86.844 | -0.051 |
| 56 | 10 | LDR-Unbiased | 86.827 | 86.775 | -0.052 |
| 57 | 10 | LDR-Unbiased | 86.861 | 86.947 | 0.086 |
| 76 | 30 | LDR-Biased | 86.902 | 86.911 | 0.009 |
| 78 | 30 | LDR-Biased | 86.944 | 86.673 | -0.271 |
| 79 | 30 | LDR-Biased | 86.944 | 86.699 | -0.245 |
| 80 | 30 | LDR-Biased | 86.885 | 86.853 | -0.032 |
| 81 | 30 | LDR-Biased | 87.018 | 86.806 | -0.212 |
| 82 | 30 | LDR-Unbiased | 86.783 | 86.722 | -0.061 |
| 83 | 30 | LDR-Unbiased | 87.082 | 86.677 | -0.405 |
| 84 | 30 | LDR-Unbiased | 86.861 | 86.769 | -0.092 |
| 85 | 30 | LDR-Unbiased | 86.895 | 86.669 | -0.226 |
| 86 | 30 | LDR-Unbiased | 86.827 | 86.579 | -0.248 |
| 87 | 100 | LDR-Biased | 86.956 | 86.346 | -0.61 |
| 88 | 100 | LDR-Biased | 86.834 | 86.847 | 0.013 |
| 90 | 100 | LDR-Biased | 86.923 | 86.826 | -0.097 |
| 91 | 100 | LDR-Unbiased | 86.818 | 86.29 | -0.528 |
| 93 | 100 | LDR-Unbiased | 87.013 | 86.302 | -0.711 |
| 94 | 100 | LDR-Unbiased | 86.892 | 86.453 | -0.439 |
| 95 | 100 | LDR-Unbiased | 86.936 | 86.383 | -0.553 |
| 96 | 100 | LDR-Unbiased | 86.851 | 86.306 | -0.545 |
| 106 | 50 | LDR-Biased | 86.902 | 87.138 | 0.236 |
| 108 | 50 | LDR-Biased | 86.944 | 86.754 | -0.19 |
| 109 | 50 | LDR-Biased | 86.944 | 86.779 | -0.165 |
| 110 | 50 | LDR-Biased | 86.885 | 86.92 | 0.035 |
| 111 | 50 | LDR-Biased | 87.018 | 86.826 | -0.192 |
| 112 | 50 | LDR-Unbiased | 86.783 | 86.689 | -0.094 |
| 113 | 50 | LDR-Unbiased | 87.082 | 86.661 | -0.421 |
| 115 | 50 | LDR-Unbiased | 86.895 | 86.656 | -0.239 |
| 116 | 50 | LDR-Unbiased | 86.827 | 86.53 | -0.297 |
| 117 | 50 | LDR-Unbiased | 86.861 | 86.733 | -0.128 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.801 | 86.878 | 86.955 | 0.10889 | 86.801 | 86.878 | 86.955 | 0.10889 | 0 | 0 | 0 | 0 |
| 3 | 86.783 | 86.914 | 87.082 | 0.088018 | 86.827 | 86.977 | 87.174 | 0.096409 | -0.167 | 0.0633 | 0.272 | 0.13584 |
| 10 | 86.783 | 86.914 | 87.082 | 0.088018 | 86.775 | 86.903 | 87.075 | 0.087001 | -0.243 | -0.0107 | 0.173 | 0.13082 |
| 30 | 86.783 | 86.914 | 87.082 | 0.088018 | 86.579 | 86.736 | 86.911 | 0.099138 | -0.405 | -0.1783 | 0.009 | 0.12927 |
| 50 | 86.783 | 86.914 | 87.082 | 0.088018 | 86.53 | 86.769 | 87.138 | 0.16726 | -0.421 | -0.1455 | 0.236 | 0.18049 |
| 100 | 86.818 | 86.903 | 87.013 | 0.066771 | 86.29 | 86.469 | 86.847 | 0.23287 | -0.711 | -0.43375 | 0.013 | 0.25535 |

# Device Test: 6.84 VOH_10mA_EN3/EN3/1.6/14/0/0/10/@VOH_EN_10MA



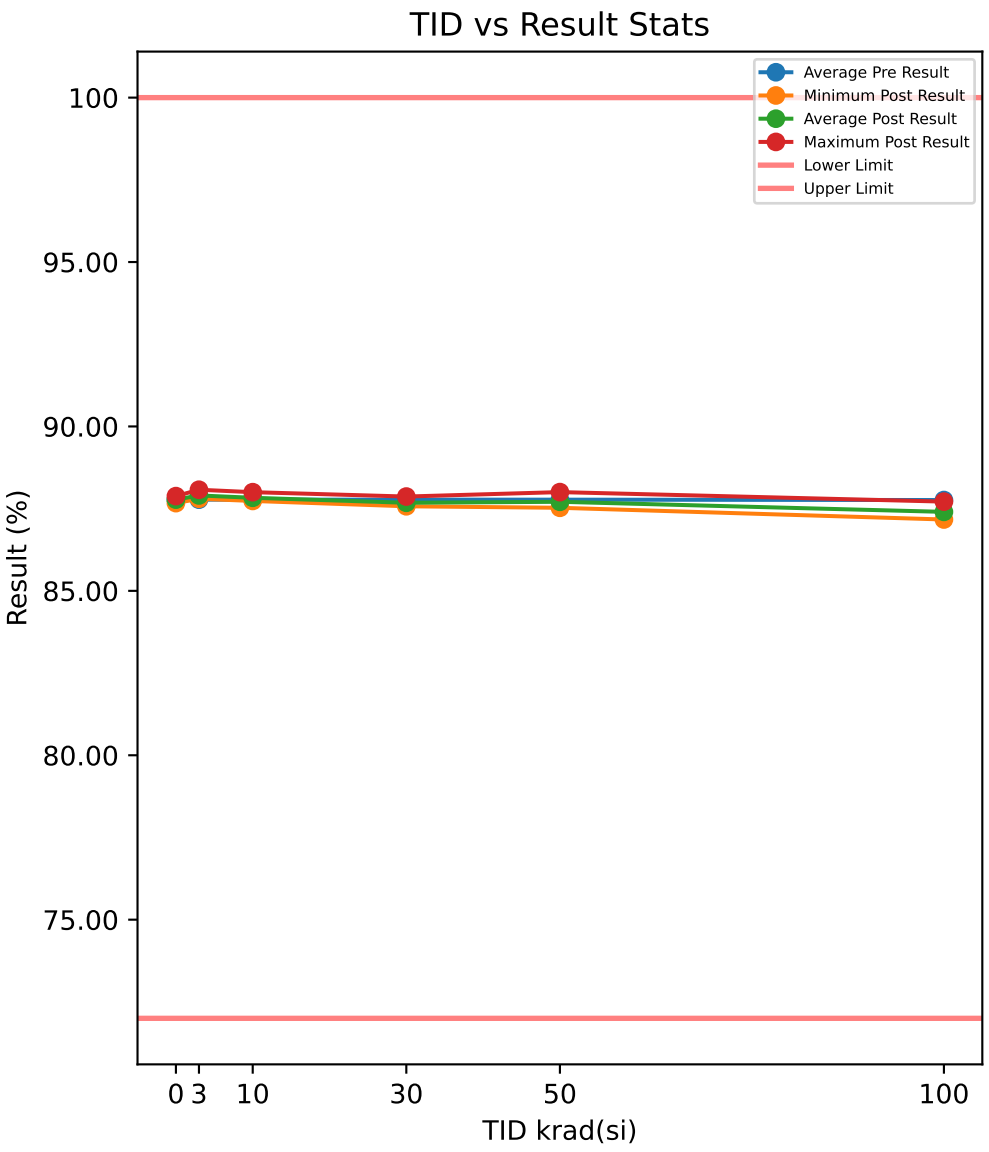

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

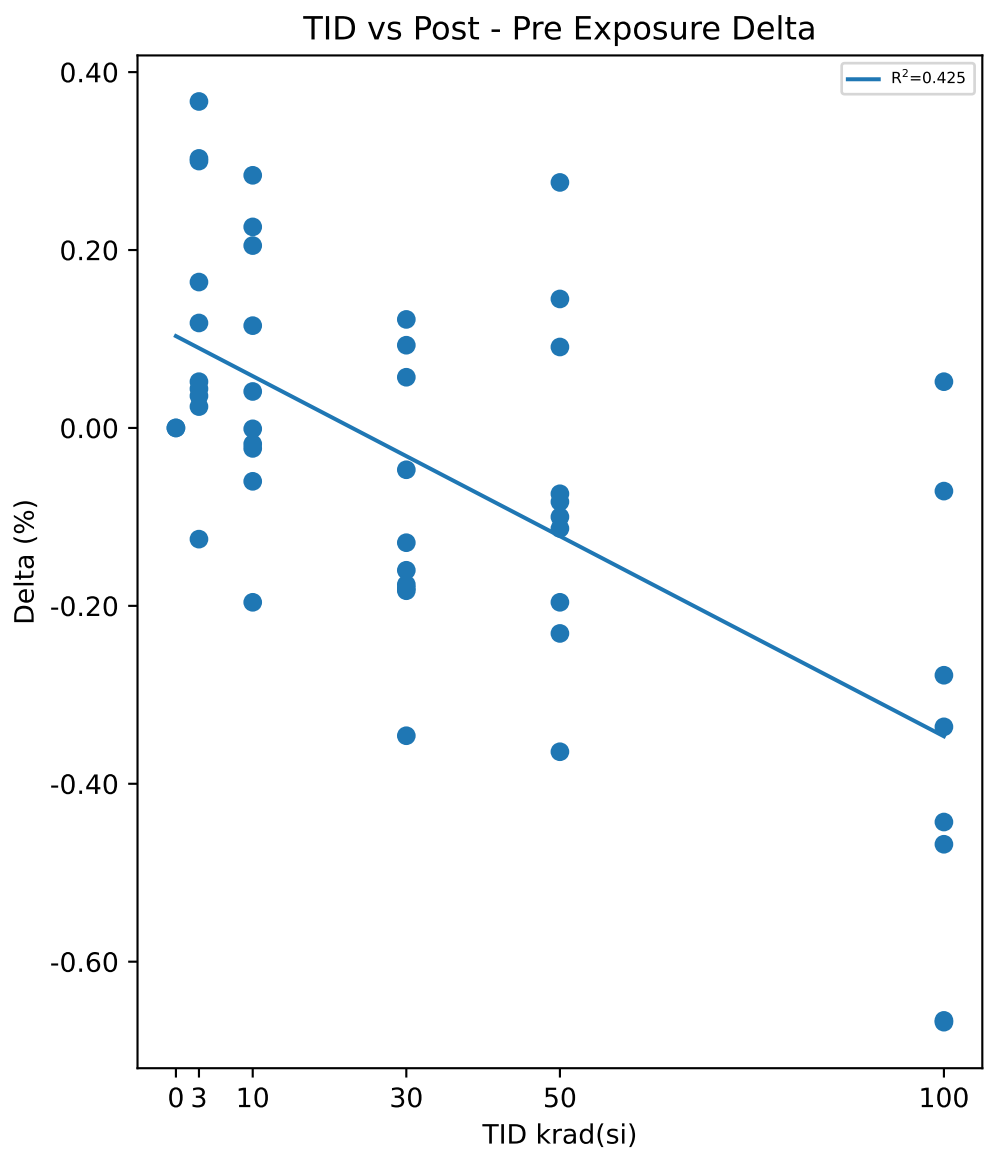
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 87.181 | 87.181 | 0 |
| 7 | 0 | Correlation | 87.37 | 87.37 | 0 |
| 16 | 3 | LDR-Biased | 87.261 | 87.643 | 0.382 |
| 18 | 3 | LDR-Biased | 87.339 | 87.389 | 0.05 |
| 19 | 3 | LDR-Biased | 87.327 | 87.385 | 0.058 |
| 20 | 3 | LDR-Biased | 87.323 | 87.556 | 0.233 |
| 21 | 3 | LDR-Biased | 87.358 | 87.39 | 0.032 |
| 22 | 3 | LDR-Unbiased | 87.13 | 87.406 | 0.276 |
| 23 | 3 | LDR-Unbiased | 87.497 | 87.332 | -0.165 |
| 25 | 3 | LDR-Unbiased | 87.271 | 87.291 | 0.02 |
| 26 | 3 | LDR-Unbiased | 87.255 | 87.298 | 0.043 |
| 27 | 3 | LDR-Unbiased | 87.244 | 87.423 | 0.179 |
| 46 | 10 | LDR-Biased | 87.261 | 87.546 | 0.285 |
| 48 | 10 | LDR-Biased | 87.339 | 87.314 | -0.025 |
| 49 | 10 | LDR-Biased | 87.327 | 87.326 | -0.001 |
| 50 | 10 | LDR-Biased | 87.323 | 87.479 | 0.156 |
| 51 | 10 | LDR-Biased | 87.358 | 87.306 | -0.052 |
| 52 | 10 | LDR-Unbiased | 87.13 | 87.319 | 0.189 |
| 53 | 10 | LDR-Unbiased | 87.497 | 87.257 | -0.24 |
| 55 | 10 | LDR-Unbiased | 87.271 | 87.218 | -0.053 |
| 56 | 10 | LDR-Unbiased | 87.255 | 87.25 | -0.005 |
| 57 | 10 | LDR-Unbiased | 87.244 | 87.371 | 0.127 |
| 76 | 30 | LDR-Biased | 87.261 | 87.384 | 0.123 |
| 78 | 30 | LDR-Biased | 87.339 | 87.103 | -0.236 |
| 79 | 30 | LDR-Biased | 87.327 | 87.163 | -0.164 |
| 80 | 30 | LDR-Biased | 87.323 | 87.328 | 0.005 |
| 81 | 30 | LDR-Biased | 87.358 | 87.226 | -0.132 |
| 82 | 30 | LDR-Unbiased | 87.13 | 87.148 | 0.018 |
| 83 | 30 | LDR-Unbiased | 87.497 | 87.102 | -0.395 |
| 84 | 30 | LDR-Unbiased | 87.244 | 87.203 | -0.041 |
| 85 | 30 | LDR-Unbiased | 87.271 | 87.048 | -0.223 |
| 86 | 30 | LDR-Unbiased | 87.255 | 87.063 | -0.192 |
| 87 | 100 | LDR-Biased | 87.395 | 86.713 | -0.682 |
| 88 | 100 | LDR-Biased | 87.193 | 87.227 | 0.034 |
| 90 | 100 | LDR-Biased | 87.316 | 87.206 | -0.11 |
| 91 | 100 | LDR-Unbiased | 87.165 | 86.71 | -0.455 |
| 93 | 100 | LDR-Unbiased | 87.353 | 86.749 | -0.604 |
| 94 | 100 | LDR-Unbiased | 87.252 | 86.966 | -0.286 |
| 95 | 100 | LDR-Unbiased | 87.332 | 86.869 | -0.463 |
| 96 | 100 | LDR-Unbiased | 87.234 | 86.878 | -0.356 |
| 106 | 50 | LDR-Biased | 87.261 | 87.615 | 0.354 |
| 108 | 50 | LDR-Biased | 87.339 | 87.186 | -0.153 |
| 109 | 50 | LDR-Biased | 87.327 | 87.242 | -0.085 |
| 110 | 50 | LDR-Biased | 87.323 | 87.393 | 0.07 |
| 111 | 50 | LDR-Biased | 87.358 | 87.245 | -0.113 |
| 112 | 50 | LDR-Unbiased | 87.13 | 87.117 | -0.013 |
| 113 | 50 | LDR-Unbiased | 87.497 | 87.084 | -0.413 |
| 115 | 50 | LDR-Unbiased | 87.271 | 87.035 | -0.236 |
| 116 | 50 | LDR-Unbiased | 87.255 | 87.016 | -0.239 |
| 117 | 50 | LDR-Unbiased | 87.244 | 87.167 | -0.077 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 87.181 | 87.275 | 87.37 | 0.13364 | 87.181 | 87.275 | 87.37 | 0.13364 | 0 | 0 | 0 | 0 |
| 3 | 87.13 | 87.3 | 87.497 | 0.095086 | 87.291 | 87.411 | 87.643 | 0.11057 | -0.165 | 0.1108 | 0.382 | 0.15707 |
| 10 | 87.13 | 87.3 | 87.497 | 0.095086 | 87.218 | 87.339 | 87.546 | 0.10276 | -0.24 | 0.0381 | 0.285 | 0.15153 |
| 30 | 87.13 | 87.3 | 87.497 | 0.095086 | 87.048 | 87.177 | 87.384 | 0.11081 | -0.395 | -0.1237 | 0.123 | 0.15158 |
| 50 | 87.13 | 87.3 | 87.497 | 0.095086 | 87.016 | 87.21 | 87.615 | 0.18104 | -0.413 | -0.0905 | 0.354 | 0.2058 |
| 100 | 87.165 | 87.28 | 87.395 | 0.081283 | 86.71 | 86.915 | 87.227 | 0.2065 | -0.682 | -0.36525 | 0.034 | 0.24079 |

# Device Test: 6.85 VOH_10mA_EN4/EN4/1.6/14/0/0/10/@VOH_EN_10MA



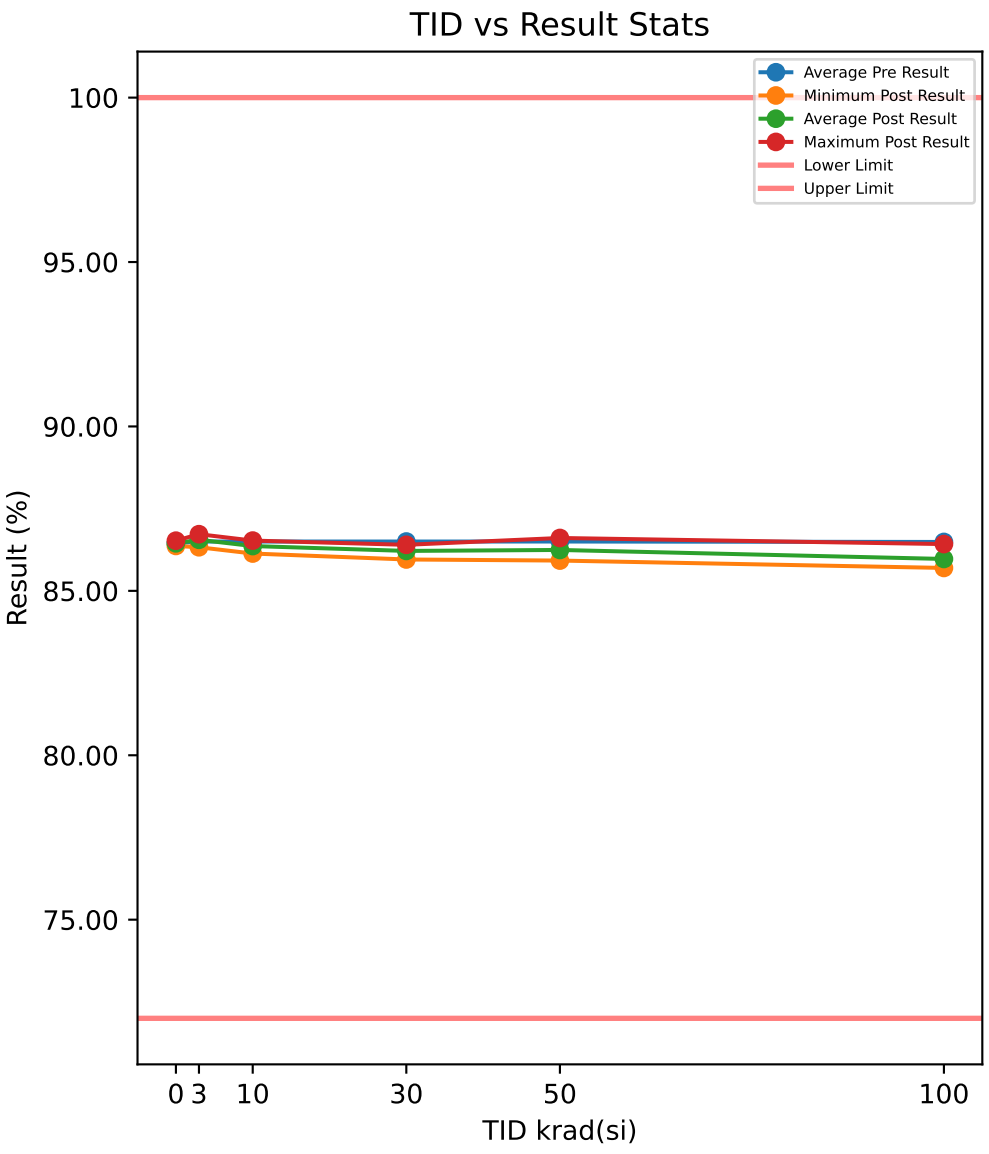

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

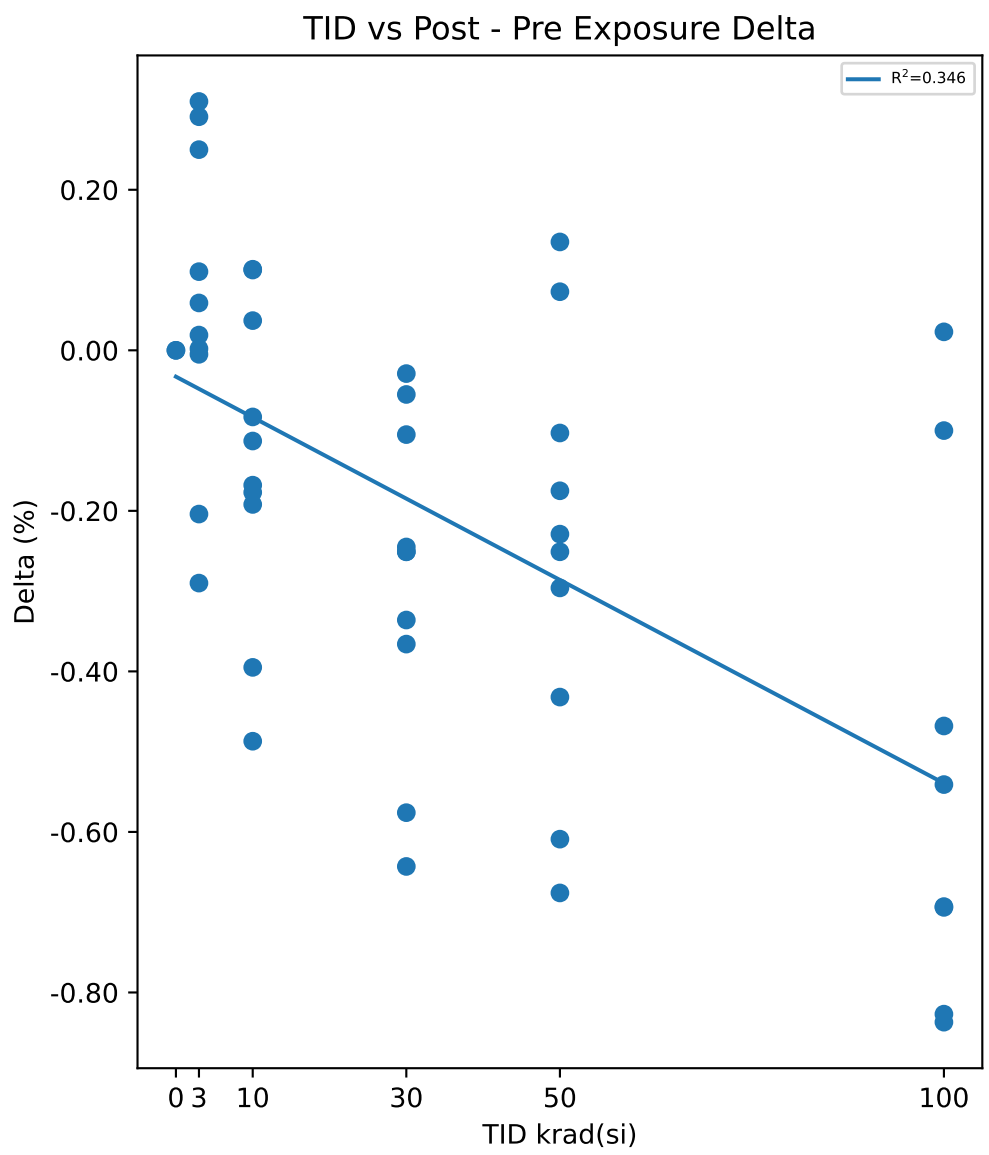
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 87.668 | 87.668 | 0 |
| 7 | 0 | Correlation | 87.881 | 87.881 | 0 |
| 16 | 3 | LDR-Biased | 87.727 | 88.03 | 0.303 |
| 18 | 3 | LDR-Biased | 87.787 | 87.905 | 0.118 |
| 19 | 3 | LDR-Biased | 87.807 | 87.843 | 0.036 |
| 20 | 3 | LDR-Biased | 87.775 | 88.075 | 0.3 |
| 21 | 3 | LDR-Biased | 87.872 | 87.896 | 0.024 |
| 22 | 3 | LDR-Unbiased | 87.579 | 87.946 | 0.367 |
| 23 | 3 | LDR-Unbiased | 87.93 | 87.805 | -0.125 |
| 25 | 3 | LDR-Unbiased | 87.752 | 87.804 | 0.052 |
| 26 | 3 | LDR-Unbiased | 87.757 | 87.801 | 0.044 |
| 27 | 3 | LDR-Unbiased | 87.748 | 87.912 | 0.164 |
| 46 | 10 | LDR-Biased | 87.727 | 87.932 | 0.205 |
| 48 | 10 | LDR-Biased | 87.787 | 87.828 | 0.041 |
| 49 | 10 | LDR-Biased | 87.807 | 87.784 | -0.023 |
| 50 | 10 | LDR-Biased | 87.775 | 88.001 | 0.226 |
| 51 | 10 | LDR-Biased | 87.872 | 87.812 | -0.06 |
| 52 | 10 | LDR-Unbiased | 87.579 | 87.863 | 0.284 |
| 53 | 10 | LDR-Unbiased | 87.93 | 87.734 | -0.196 |
| 55 | 10 | LDR-Unbiased | 87.752 | 87.734 | -0.018 |
| 56 | 10 | LDR-Unbiased | 87.757 | 87.756 | -0.001 |
| 57 | 10 | LDR-Unbiased | 87.748 | 87.863 | 0.115 |
| 76 | 30 | LDR-Biased | 87.727 | 87.784 | 0.057 |
| 78 | 30 | LDR-Biased | 87.787 | 87.627 | -0.16 |
| 79 | 30 | LDR-Biased | 87.807 | 87.631 | -0.176 |
| 80 | 30 | LDR-Biased | 87.775 | 87.868 | 0.093 |
| 81 | 30 | LDR-Biased | 87.872 | 87.743 | -0.129 |
| 82 | 30 | LDR-Unbiased | 87.579 | 87.701 | 0.122 |
| 83 | 30 | LDR-Unbiased | 87.93 | 87.584 | -0.346 |
| 84 | 30 | LDR-Unbiased | 87.748 | 87.701 | -0.047 |
| 85 | 30 | LDR-Unbiased | 87.752 | 87.572 | -0.18 |
| 86 | 30 | LDR-Unbiased | 87.757 | 87.574 | -0.183 |
| 87 | 100 | LDR-Biased | 87.864 | 87.196 | -0.668 |
| 88 | 100 | LDR-Biased | 87.662 | 87.714 | 0.052 |
| 90 | 100 | LDR-Biased | 87.766 | 87.695 | -0.071 |
| 91 | 100 | LDR-Unbiased | 87.613 | 87.17 | -0.443 |
| 93 | 100 | LDR-Unbiased | 87.869 | 87.203 | -0.666 |
| 94 | 100 | LDR-Unbiased | 87.719 | 87.441 | -0.278 |
| 95 | 100 | LDR-Unbiased | 87.863 | 87.395 | -0.468 |
| 96 | 100 | LDR-Unbiased | 87.739 | 87.403 | -0.336 |
| 106 | 50 | LDR-Biased | 87.727 | 88.003 | 0.276 |
| 108 | 50 | LDR-Biased | 87.787 | 87.713 | -0.074 |
| 109 | 50 | LDR-Biased | 87.807 | 87.707 | -0.1 |
| 110 | 50 | LDR-Biased | 87.775 | 87.92 | 0.145 |
| 111 | 50 | LDR-Biased | 87.872 | 87.759 | -0.113 |
| 112 | 50 | LDR-Unbiased | 87.579 | 87.67 | 0.091 |
| 113 | 50 | LDR-Unbiased | 87.93 | 87.566 | -0.364 |
| 115 | 50 | LDR-Unbiased | 87.752 | 87.556 | -0.196 |
| 116 | 50 | LDR-Unbiased | 87.757 | 87.526 | -0.231 |
| 117 | 50 | LDR-Unbiased | 87.748 | 87.665 | -0.083 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 87.668 | 87.775 | 87.881 | 0.15061 | 87.668 | 87.775 | 87.881 | 0.15061 | 0 | 0 | 0 | 0 |
| 3 | 87.579 | 87.773 | 87.93 | 0.092423 | 87.801 | 87.902 | 88.075 | 0.09492 | -0.125 | 0.1283 | 0.367 | 0.1545 |
| 10 | 87.579 | 87.773 | 87.93 | 0.092423 | 87.734 | 87.831 | 88.001 | 0.087031 | -0.196 | 0.0573 | 0.284 | 0.14859 |
| 30 | 87.579 | 87.773 | 87.93 | 0.092423 | 87.572 | 87.678 | 87.868 | 0.099059 | -0.346 | -0.0949 | 0.122 | 0.14823 |
| 50 | 87.579 | 87.773 | 87.93 | 0.092423 | 87.526 | 87.709 | 88.003 | 0.1543 | -0.364 | -0.0649 | 0.276 | 0.18938 |
| 100 | 87.613 | 87.762 | 87.869 | 0.097577 | 87.17 | 87.402 | 87.714 | 0.21402 | -0.668 | -0.35975 | 0.052 | 0.25846 |

# Device Test: 6.86 VOH_10mA_SEQ/SEQ_DONE/1.6/14/0/0/10/@VOH_SEQ_DONE_10MA



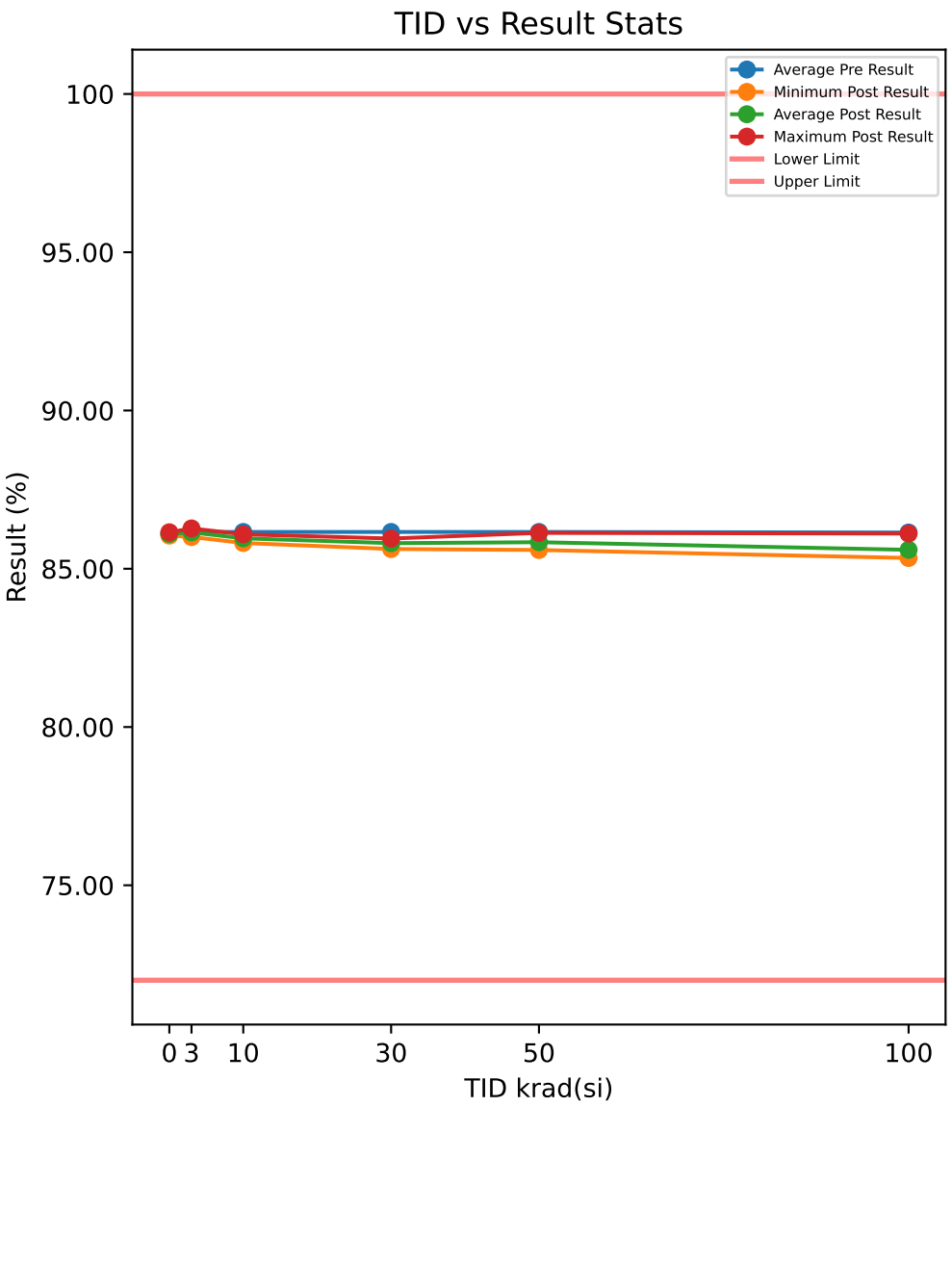

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

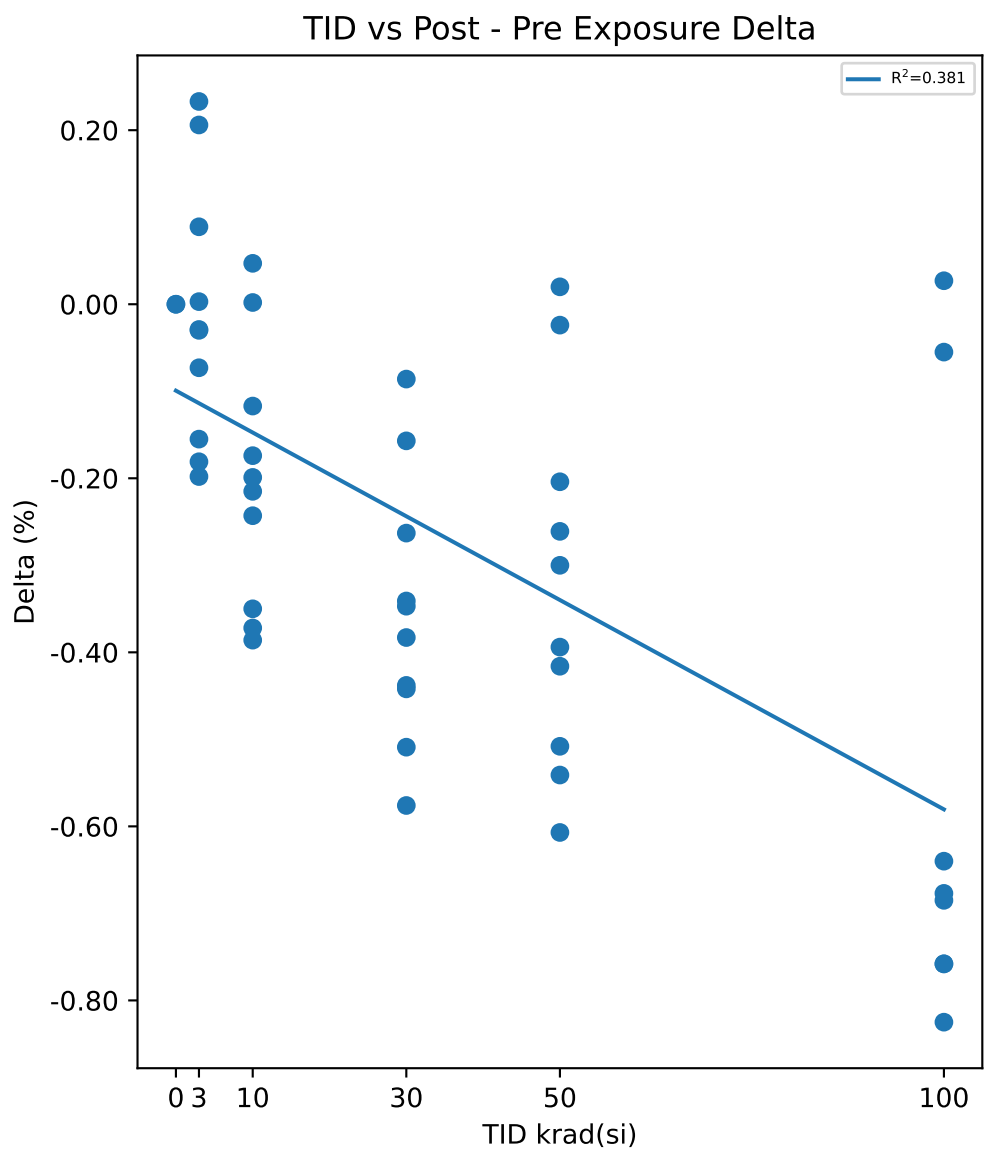
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.366 | 86.366 | 0 |
| 7 | 0 | Correlation | 86.526 | 86.526 | 0 |
| 16 | 3 | LDR-Biased | 86.473 | 86.723 | 0.25 |
| 18 | 3 | LDR-Biased | 86.525 | 86.544 | 0.019 |
| 19 | 3 | LDR-Biased | 86.481 | 86.54 | 0.059 |
| 20 | 3 | LDR-Biased | 86.429 | 86.72 | 0.291 |
| 21 | 3 | LDR-Biased | 86.58 | 86.582 | 0.002 |
| 22 | 3 | LDR-Unbiased | 86.352 | 86.662 | 0.31 |
| 23 | 3 | LDR-Unbiased | 86.725 | 86.435 | -0.29 |
| 25 | 3 | LDR-Unbiased | 86.53 | 86.326 | -0.204 |
| 26 | 3 | LDR-Unbiased | 86.463 | 86.458 | -0.005 |
| 27 | 3 | LDR-Unbiased | 86.443 | 86.541 | 0.098 |
| 46 | 10 | LDR-Biased | 86.473 | 86.51 | 0.037 |
| 48 | 10 | LDR-Biased | 86.525 | 86.357 | -0.168 |
| 49 | 10 | LDR-Biased | 86.481 | 86.368 | -0.113 |
| 50 | 10 | LDR-Biased | 86.429 | 86.529 | 0.1 |
| 51 | 10 | LDR-Biased | 86.58 | 86.388 | -0.192 |
| 52 | 10 | LDR-Unbiased | 86.352 | 86.453 | 0.101 |
| 53 | 10 | LDR-Unbiased | 86.725 | 86.238 | -0.487 |
| 55 | 10 | LDR-Unbiased | 86.53 | 86.135 | -0.395 |
| 56 | 10 | LDR-Unbiased | 86.463 | 86.286 | -0.177 |
| 57 | 10 | LDR-Unbiased | 86.443 | 86.36 | -0.083 |
| 76 | 30 | LDR-Biased | 86.473 | 86.368 | -0.105 |
| 78 | 30 | LDR-Biased | 86.525 | 86.189 | -0.336 |
| 79 | 30 | LDR-Biased | 86.481 | 86.23 | -0.251 |
| 80 | 30 | LDR-Biased | 86.429 | 86.4 | -0.029 |
| 81 | 30 | LDR-Biased | 86.58 | 86.329 | -0.251 |
| 82 | 30 | LDR-Unbiased | 86.352 | 86.297 | -0.055 |
| 83 | 30 | LDR-Unbiased | 86.725 | 86.082 | -0.643 |
| 84 | 30 | LDR-Unbiased | 86.443 | 86.198 | -0.245 |
| 85 | 30 | LDR-Unbiased | 86.53 | 85.954 | -0.576 |
| 86 | 30 | LDR-Unbiased | 86.463 | 86.097 | -0.366 |
| 87 | 100 | LDR-Biased | 86.554 | 85.727 | -0.827 |
| 88 | 100 | LDR-Biased | 86.4 | 86.423 | 0.023 |
| 90 | 100 | LDR-Biased | 86.502 | 86.402 | -0.1 |
| 91 | 100 | LDR-Unbiased | 86.39 | 85.697 | -0.693 |
| 93 | 100 | LDR-Unbiased | 86.574 | 85.737 | -0.837 |
| 94 | 100 | LDR-Unbiased | 86.464 | 85.996 | -0.468 |
| 95 | 100 | LDR-Unbiased | 86.58 | 85.886 | -0.694 |
| 96 | 100 | LDR-Unbiased | 86.434 | 85.893 | -0.541 |
| 106 | 50 | LDR-Biased | 86.473 | 86.608 | 0.135 |
| 108 | 50 | LDR-Biased | 86.525 | 86.274 | -0.251 |
| 109 | 50 | LDR-Biased | 86.481 | 86.306 | -0.175 |
| 110 | 50 | LDR-Biased | 86.429 | 86.502 | 0.073 |
| 111 | 50 | LDR-Biased | 86.58 | 86.351 | -0.229 |
| 112 | 50 | LDR-Unbiased | 86.352 | 86.249 | -0.103 |
| 113 | 50 | LDR-Unbiased | 86.725 | 86.049 | -0.676 |
| 115 | 50 | LDR-Unbiased | 86.53 | 85.921 | -0.609 |
| 116 | 50 | LDR-Unbiased | 86.463 | 86.031 | -0.432 |
| 117 | 50 | LDR-Unbiased | 86.443 | 86.147 | -0.296 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.366 | 86.446 | 86.526 | 0.11314 | 86.366 | 86.446 | 86.526 | 0.11314 | 0 | 0 | 0 | 0 |
| 3 | 86.352 | 86.5 | 86.725 | 0.10067 | 86.326 | 86.553 | 86.723 | 0.12666 | -0.29 | 0.053 | 0.31 | 0.19843 |
| 10 | 86.352 | 86.5 | 86.725 | 0.10067 | 86.135 | 86.362 | 86.529 | 0.12087 | -0.487 | -0.1377 | 0.101 | 0.19472 |
| 30 | 86.352 | 86.5 | 86.725 | 0.10067 | 85.954 | 86.214 | 86.4 | 0.14074 | -0.643 | -0.2857 | -0.029 | 0.2046 |
| 50 | 86.352 | 86.5 | 86.725 | 0.10067 | 85.921 | 86.244 | 86.608 | 0.21406 | -0.676 | -0.2563 | 0.135 | 0.26361 |
| 100 | 86.39 | 86.487 | 86.58 | 0.076763 | 85.697 | 85.97 | 86.423 | 0.29115 | -0.837 | -0.51713 | 0.023 | 0.32277 |

# Device Test: 6.87 VOH_10mA_PWRGD/PWRGD/1.6/14/0/0/10/@VOH_PWRGD_10MA



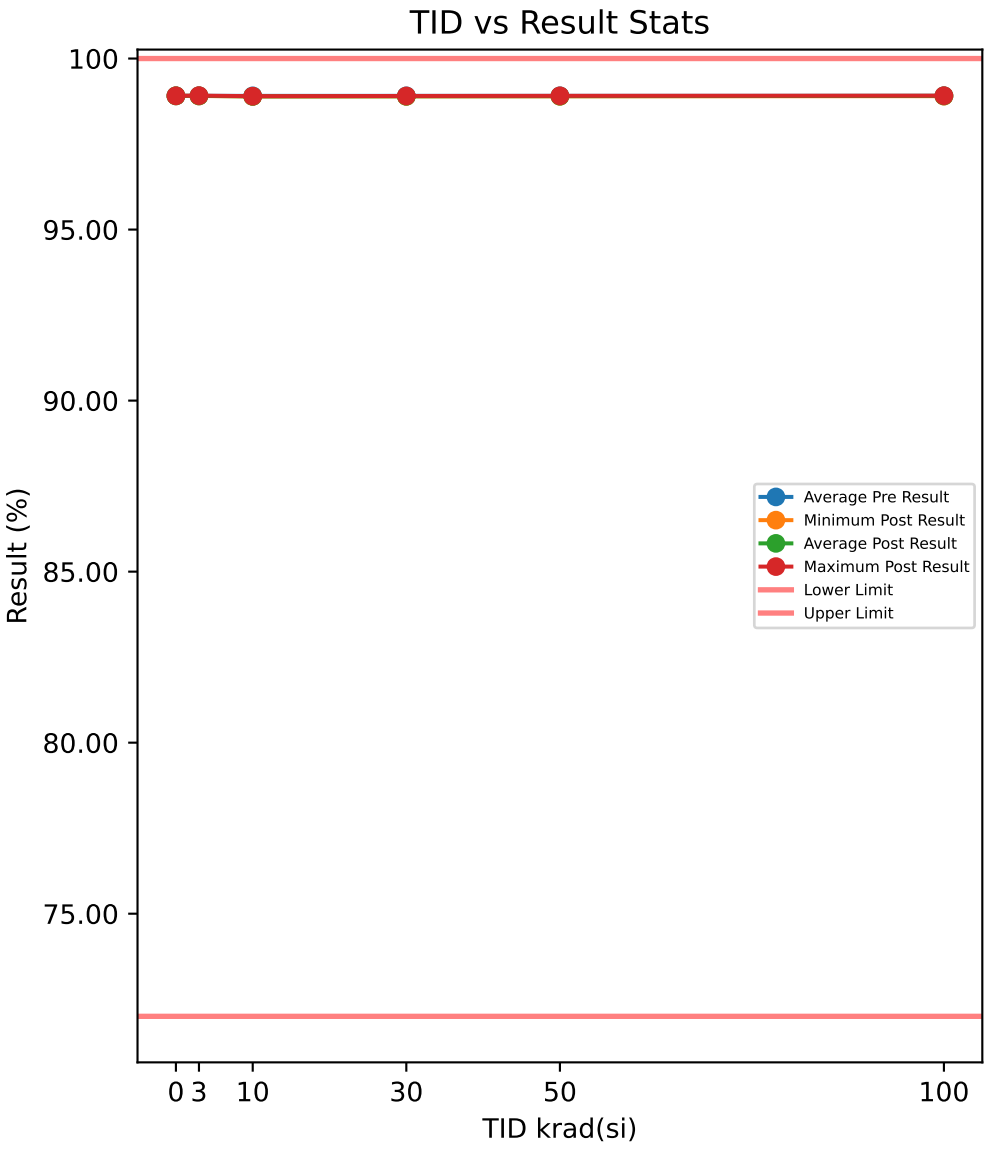

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 86.048 | 86.048 | 0 |
| 7 | 0 | Correlation | 86.152 | 86.152 | 0 |
| 16 | 3 | LDR-Biased | 86.157 | 86.246 | 0.089 |
| 18 | 3 | LDR-Biased | 86.168 | 86.138 | -0.03 |
| 19 | 3 | LDR-Biased | 86.187 | 86.158 | -0.029 |
| 20 | 3 | LDR-Biased | 86.041 | 86.274 | 0.233 |
| 21 | 3 | LDR-Biased | 86.276 | 86.095 | -0.181 |
| 22 | 3 | LDR-Unbiased | 86.059 | 86.265 | 0.206 |
| 23 | 3 | LDR-Unbiased | 86.276 | 86.121 | -0.155 |
| 25 | 3 | LDR-Unbiased | 86.2 | 86.002 | -0.198 |
| 26 | 3 | LDR-Unbiased | 86.138 | 86.065 | -0.073 |
| 27 | 3 | LDR-Unbiased | 86.121 | 86.124 | 0.003 |
| 46 | 10 | LDR-Biased | 86.157 | 86.04 | -0.117 |
| 48 | 10 | LDR-Biased | 86.168 | 85.953 | -0.215 |
| 49 | 10 | LDR-Biased | 86.187 | 85.988 | -0.199 |
| 50 | 10 | LDR-Biased | 86.041 | 86.088 | 0.047 |
| 51 | 10 | LDR-Biased | 86.276 | 85.904 | -0.372 |
| 52 | 10 | LDR-Unbiased | 86.059 | 86.061 | 0.002 |
| 53 | 10 | LDR-Unbiased | 86.276 | 85.926 | -0.35 |
| 55 | 10 | LDR-Unbiased | 86.2 | 85.814 | -0.386 |
| 56 | 10 | LDR-Unbiased | 86.138 | 85.895 | -0.243 |
| 57 | 10 | LDR-Unbiased | 86.121 | 85.947 | -0.174 |
| 76 | 30 | LDR-Biased | 86.157 | 85.894 | -0.263 |
| 78 | 30 | LDR-Biased | 86.168 | 85.785 | -0.383 |
| 79 | 30 | LDR-Biased | 86.187 | 85.846 | -0.341 |
| 80 | 30 | LDR-Biased | 86.041 | 85.955 | -0.086 |
| 81 | 30 | LDR-Biased | 86.276 | 85.838 | -0.438 |
| 82 | 30 | LDR-Unbiased | 86.059 | 85.902 | -0.157 |
| 83 | 30 | LDR-Unbiased | 86.276 | 85.767 | -0.509 |
| 84 | 30 | LDR-Unbiased | 86.121 | 85.774 | -0.347 |
| 85 | 30 | LDR-Unbiased | 86.2 | 85.624 | -0.576 |
| 86 | 30 | LDR-Unbiased | 86.138 | 85.696 | -0.442 |
| 87 | 100 | LDR-Biased | 86.167 | 85.409 | -0.758 |
| 88 | 100 | LDR-Biased | 86.084 | 86.111 | 0.027 |
| 90 | 100 | LDR-Biased | 86.145 | 86.09 | -0.055 |
| 91 | 100 | LDR-Unbiased | 86.098 | 85.34 | -0.758 |
| 93 | 100 | LDR-Unbiased | 86.271 | 85.446 | -0.825 |
| 94 | 100 | LDR-Unbiased | 86.148 | 85.508 | -0.64 |
| 95 | 100 | LDR-Unbiased | 86.133 | 85.456 | -0.677 |
| 96 | 100 | LDR-Unbiased | 86.11 | 85.425 | -0.685 |
| 106 | 50 | LDR-Biased | 86.157 | 86.133 | -0.024 |
| 108 | 50 | LDR-Biased | 86.168 | 85.868 | -0.3 |
| 109 | 50 | LDR-Biased | 86.187 | 85.926 | -0.261 |
| 110 | 50 | LDR-Biased | 86.041 | 86.061 | 0.02 |
| 111 | 50 | LDR-Biased | 86.276 | 85.86 | -0.416 |
| 112 | 50 | LDR-Unbiased | 86.059 | 85.855 | -0.204 |
| 113 | 50 | LDR-Unbiased | 86.276 | 85.735 | -0.541 |
| 115 | 50 | LDR-Unbiased | 86.2 | 85.593 | -0.607 |
| 116 | 50 | LDR-Unbiased | 86.138 | 85.63 | -0.508 |
| 117 | 50 | LDR-Unbiased | 86.121 | 85.727 | -0.394 |

Test Statistics (%)

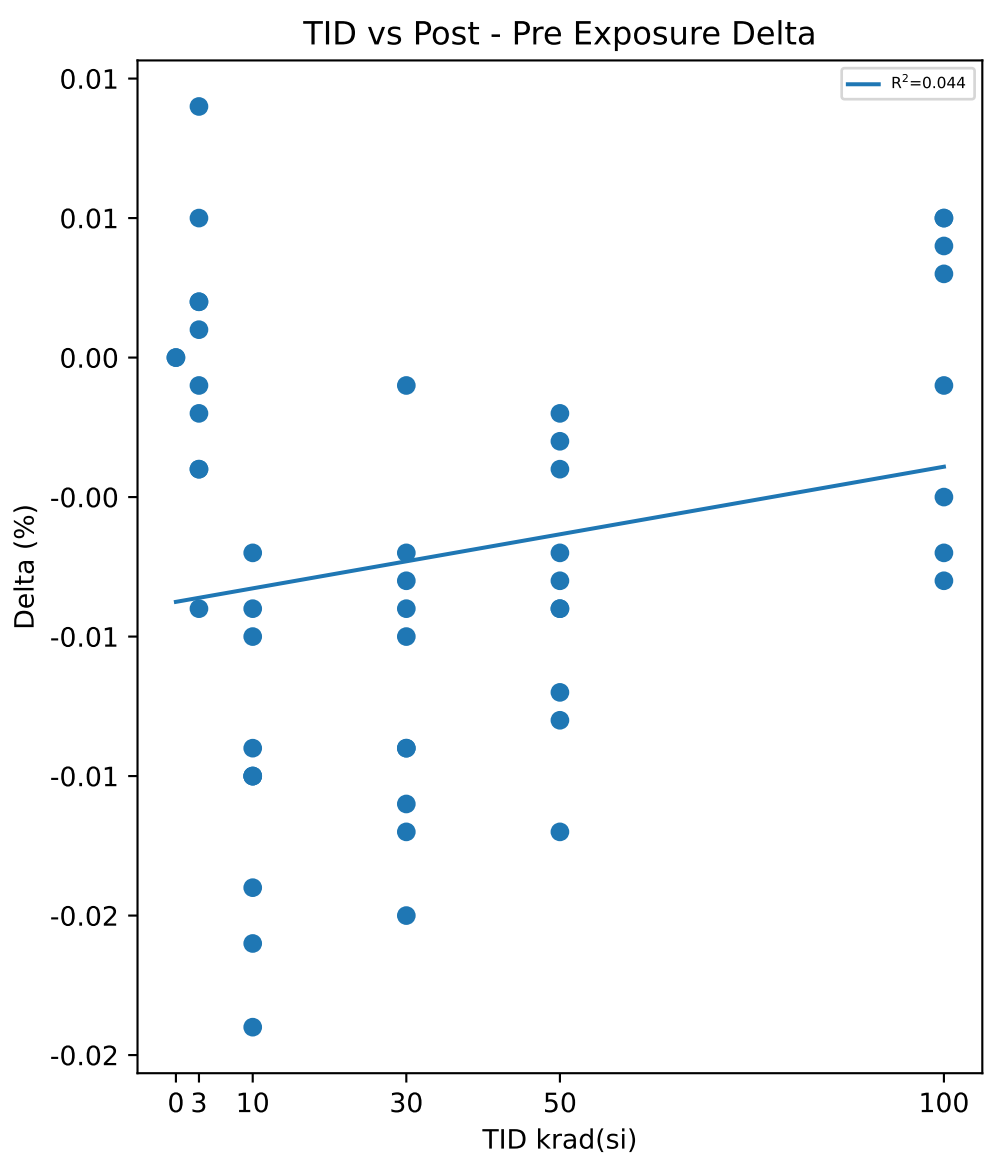
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 86.048 | 86.1 | 86.152 | 0.073539 | 86.048 | 86.1 | 86.152 | 0.073539 | 0 | 0 | 0 | 0 |
| 3 | 86.041 | 86.162 | 86.276 | 0.078619 | 86.002 | 86.149 | 86.274 | 0.089245 | -0.198 | -0.0135 | 0.233 | 0.15125 |
| 10 | 86.041 | 86.162 | 86.276 | 0.078619 | 85.814 | 85.962 | 86.088 | 0.084192 | -0.386 | -0.2007 | 0.047 | 0.14837 |
| 30 | 86.041 | 86.162 | 86.276 | 0.078619 | 85.624 | 85.808 | 85.955 | 0.099973 | -0.576 | -0.3542 | -0.086 | 0.15205 |
| 50 | 86.041 | 86.162 | 86.276 | 0.078619 | 85.593 | 85.839 | 86.133 | 0.17397 | -0.607 | -0.3235 | 0.02 | 0.21126 |
| 100 | 86.084 | 86.144 | 86.271 | 0.058145 | 85.34 | 85.598 | 86.111 | 0.31369 | -0.825 | -0.54637 | 0.027 | 0.33433 |

# Device Test: 6.88 VOH_10mA_EN1/EN1/7/3/0/0/10/@VOH_EN_10MA




Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

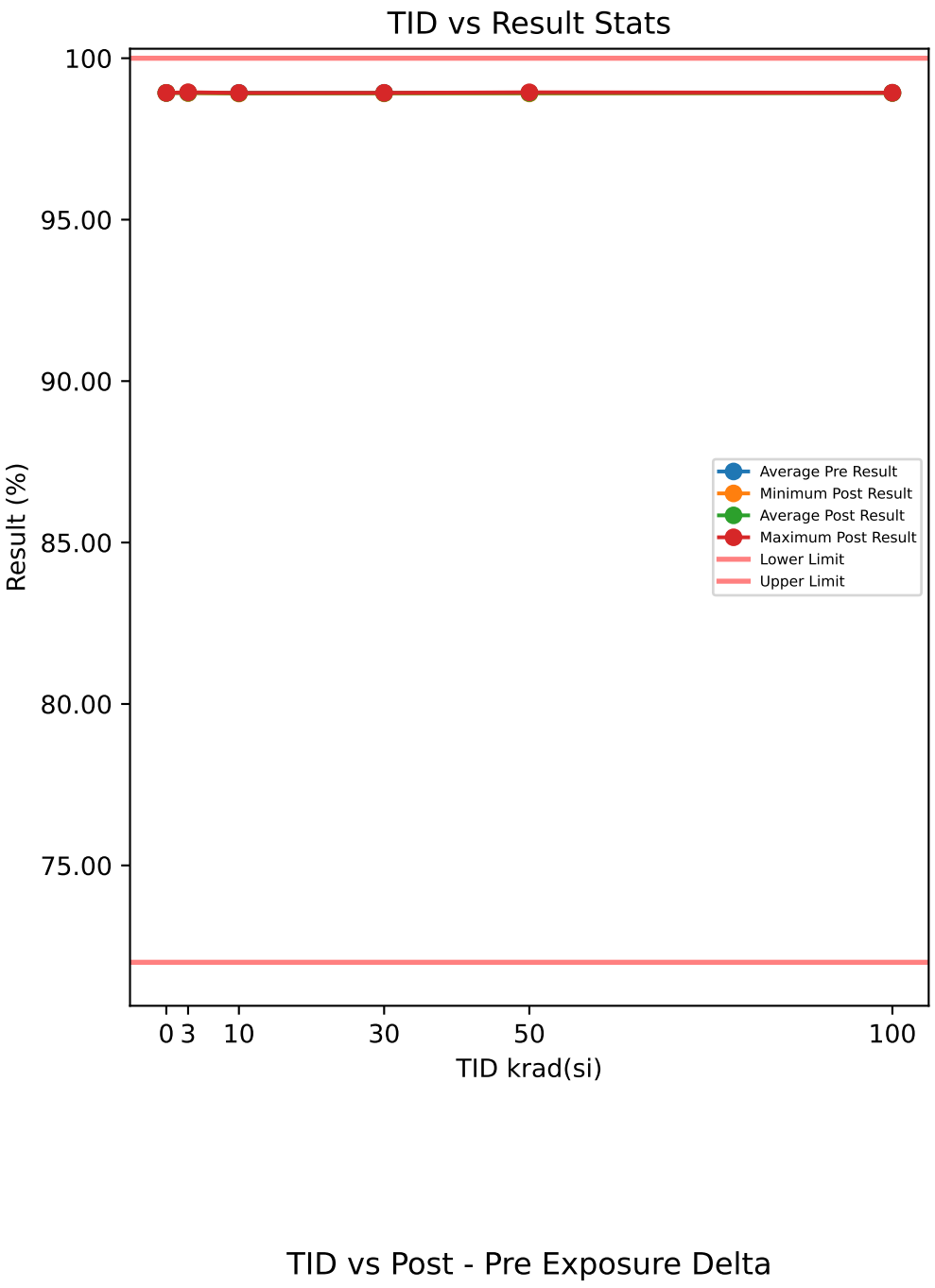
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.911 | 98.911 | 0 |
| 7 | 0 | Correlation | 98.908 | 98.908 | 0 |
| 16 | 3 | LDR-Biased | 98.913 | 98.909 | -0.004 |
| 18 | 3 | LDR-Biased | 98.909 | 98.91 | 0.001 |
| 19 | 3 | LDR-Biased | 98.903 | 98.908 | 0.005 |
| 20 | 3 | LDR-Biased | 98.91 | 98.909 | -0.001 |
| 21 | 3 | LDR-Biased | 98.917 | 98.908 | -0.009 |
| 22 | 3 | LDR-Unbiased | 98.907 | 98.916 | 0.009 |
| 23 | 3 | LDR-Unbiased | 98.913 | 98.909 | -0.004 |
| 25 | 3 | LDR-Unbiased | 98.906 | 98.908 | 0.002 |
| 26 | 3 | LDR-Unbiased | 98.903 | 98.905 | 0.002 |
| 27 | 3 | LDR-Unbiased | 98.908 | 98.906 | -0.002 |
| 46 | 10 | LDR-Biased | 98.913 | 98.892 | -0.021 |
| 48 | 10 | LDR-Biased | 98.909 | 98.894 | -0.015 |
| 49 | 10 | LDR-Biased | 98.903 | 98.894 | -0.009 |
| 50 | 10 | LDR-Biased | 98.91 | 98.895 | -0.015 |
| 51 | 10 | LDR-Biased | 98.917 | 98.893 | -0.024 |
| 52 | 10 | LDR-Unbiased | 98.907 | 98.9 | -0.007 |
| 53 | 10 | LDR-Unbiased | 98.913 | 98.894 | -0.019 |
| 55 | 10 | LDR-Unbiased | 98.906 | 98.892 | -0.014 |
| 56 | 10 | LDR-Unbiased | 98.903 | 98.893 | -0.01 |
| 57 | 10 | LDR-Unbiased | 98.908 | 98.893 | -0.015 |
| 76 | 30 | LDR-Biased | 98.913 | 98.893 | -0.02 |
| 78 | 30 | LDR-Biased | 98.909 | 98.893 | -0.016 |
| 79 | 30 | LDR-Biased | 98.903 | 98.894 | -0.009 |
| 80 | 30 | LDR-Biased | 98.91 | 98.896 | -0.014 |
| 81 | 30 | LDR-Biased | 98.917 | 98.9 | -0.017 |
| 82 | 30 | LDR-Unbiased | 98.907 | 98.906 | -0.001 |
| 83 | 30 | LDR-Unbiased | 98.913 | 98.899 | -0.014 |
| 84 | 30 | LDR-Unbiased | 98.908 | 98.898 | -0.01 |
| 85 | 30 | LDR-Unbiased | 98.906 | 98.898 | -0.008 |
| 86 | 30 | LDR-Unbiased | 98.903 | 98.896 | -0.007 |
| 87 | 100 | LDR-Biased | 98.912 | 98.915 | 0.003 |
| 88 | 100 | LDR-Biased | 98.908 | 98.912 | 0.004 |
| 90 | 100 | LDR-Biased | 98.906 | 98.911 | 0.005 |
| 91 | 100 | LDR-Unbiased | 98.909 | 98.908 | -0.001 |
| 93 | 100 | LDR-Unbiased | 98.917 | 98.909 | -0.008 |
| 94 | 100 | LDR-Unbiased | 98.912 | 98.907 | -0.005 |
| 95 | 100 | LDR-Unbiased | 98.902 | 98.907 | 0.005 |
| 96 | 100 | LDR-Unbiased | 98.907 | 98.9 | -0.007 |
| 106 | 50 | LDR-Biased | 98.913 | 98.91 | -0.003 |
| 108 | 50 | LDR-Biased | 98.909 | 98.9 | -0.009 |
| 109 | 50 | LDR-Biased | 98.903 | 98.899 | -0.004 |
| 110 | 50 | LDR-Biased | 98.91 | 98.901 | -0.009 |
| 111 | 50 | LDR-Biased | 98.917 | 98.9 | -0.017 |
| 112 | 50 | LDR-Unbiased | 98.907 | 98.905 | -0.002 |
| 113 | 50 | LDR-Unbiased | 98.913 | 98.9 | -0.013 |
| 115 | 50 | LDR-Unbiased | 98.906 | 98.899 | -0.007 |
| 116 | 50 | LDR-Unbiased | 98.903 | 98.895 | -0.008 |
| 117 | 50 | LDR-Unbiased | 98.908 | 98.896 | -0.012 |

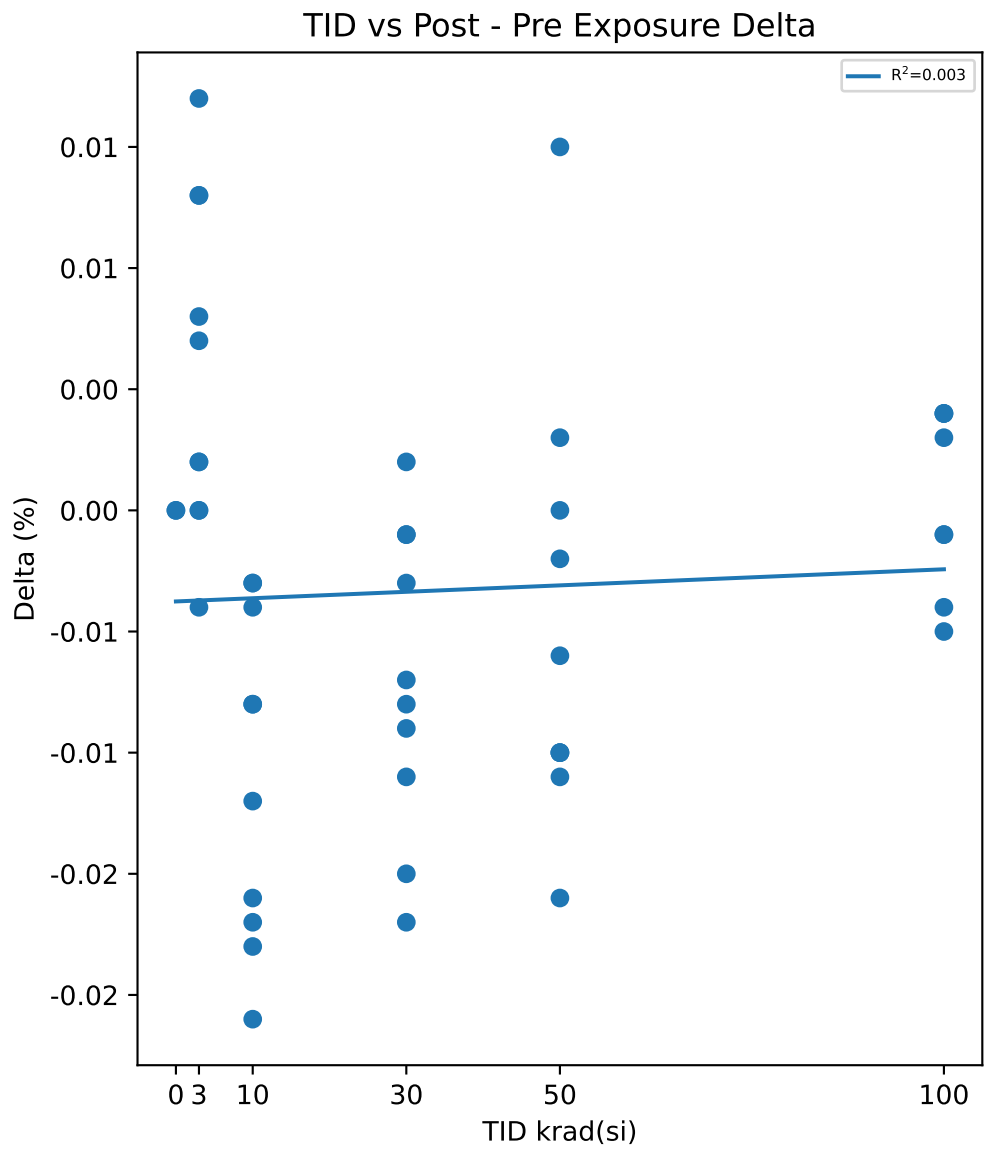



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.908 | 98.91 | 98.911 | 0.0021213 | 98.908 | 98.91 | 98.911 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 98.903 | 98.909 | 98.917 | 0.004508 | 98.905 | 98.909 | 98.916 | 0.0029364 | -0.009 | -0.0001 | 0.009 | 0.005087 |
| 10 | 98.903 | 98.909 | 98.917 | 0.004508 | 98.892 | 98.894 | 98.9 | 0.0023094 | -0.024 | -0.0149 | -0.007 | 0.0053635 |
| 30 | 98.903 | 98.909 | 98.917 | 0.004508 | 98.893 | 98.897 | 98.906 | 0.0039172 | -0.02 | -0.0116 | -0.001 | 0.0056411 |
| 50 | 98.903 | 98.909 | 98.917 | 0.004508 | 98.895 | 98.9 | 98.91 | 0.0043012 | -0.017 | -0.0084 | -0.002 | 0.0047188 |
| 100 | 98.902 | 98.909 | 98.917 | 0.0045493 | 98.9 | 98.909 | 98.915 | 0.0044381 | -0.008 | -0.0005 | 0.005 | 0.0055032 |

# Device Test: 6.89 VOH_10mA_EN2/EN2/7/3/0/0/10/@VOH_EN_10MA



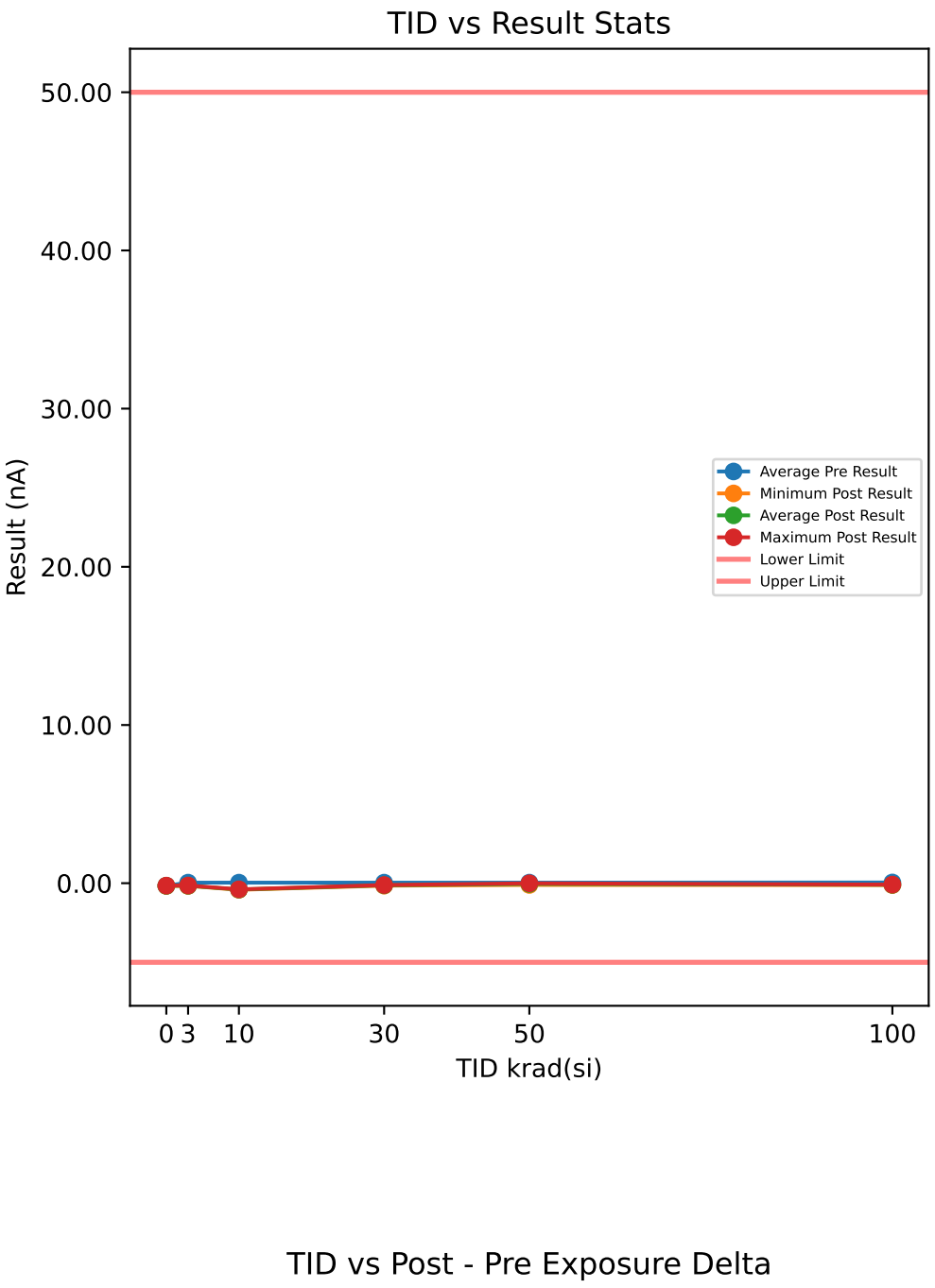

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

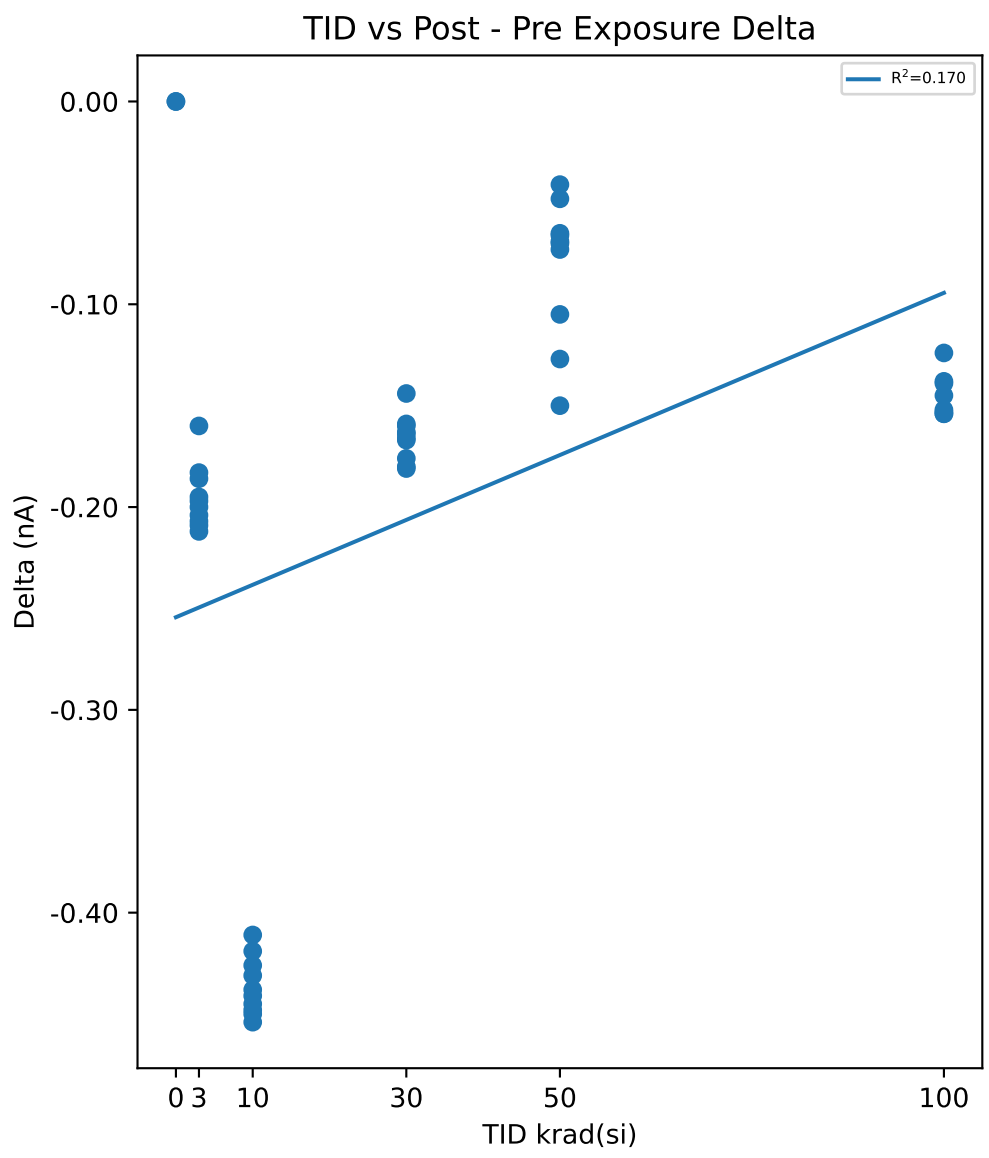
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.927 | 98.927 | 0 |
| 7 | 0 | Correlation | 98.925 | 98.925 | 0 |
| 16 | 3 | LDR-Biased | 98.929 | 98.946 | 0.017 |
| 18 | 3 | LDR-Biased | 98.933 | 98.935 | 0.002 |
| 19 | 3 | LDR-Biased | 98.922 | 98.93 | 0.008 |
| 20 | 3 | LDR-Biased | 98.927 | 98.94 | 0.013 |
| 21 | 3 | LDR-Biased | 98.931 | 98.931 | 0 |
| 22 | 3 | LDR-Unbiased | 98.921 | 98.934 | 0.013 |
| 23 | 3 | LDR-Unbiased | 98.936 | 98.932 | -0.004 |
| 25 | 3 | LDR-Unbiased | 98.924 | 98.924 | 0 |
| 26 | 3 | LDR-Unbiased | 98.919 | 98.921 | 0.002 |
| 27 | 3 | LDR-Unbiased | 98.924 | 98.931 | 0.007 |
| 46 | 10 | LDR-Biased | 98.929 | 98.926 | -0.003 |
| 48 | 10 | LDR-Biased | 98.933 | 98.917 | -0.016 |
| 49 | 10 | LDR-Biased | 98.922 | 98.914 | -0.008 |
| 50 | 10 | LDR-Biased | 98.927 | 98.924 | -0.003 |
| 51 | 10 | LDR-Biased | 98.931 | 98.914 | -0.017 |
| 52 | 10 | LDR-Unbiased | 98.921 | 98.917 | -0.004 |
| 53 | 10 | LDR-Unbiased | 98.936 | 98.915 | -0.021 |
| 55 | 10 | LDR-Unbiased | 98.924 | 98.906 | -0.018 |
| 56 | 10 | LDR-Unbiased | 98.919 | 98.907 | -0.012 |
| 57 | 10 | LDR-Unbiased | 98.924 | 98.916 | -0.008 |
| 76 | 30 | LDR-Biased | 98.929 | 98.928 | -0.001 |
| 78 | 30 | LDR-Biased | 98.933 | 98.916 | -0.017 |
| 79 | 30 | LDR-Biased | 98.922 | 98.915 | -0.007 |
| 80 | 30 | LDR-Biased | 98.927 | 98.926 | -0.001 |
| 81 | 30 | LDR-Biased | 98.931 | 98.922 | -0.009 |
| 82 | 30 | LDR-Unbiased | 98.921 | 98.923 | 0.002 |
| 83 | 30 | LDR-Unbiased | 98.936 | 98.921 | -0.015 |
| 84 | 30 | LDR-Unbiased | 98.924 | 98.921 | -0.003 |
| 85 | 30 | LDR-Unbiased | 98.924 | 98.913 | -0.011 |
| 86 | 30 | LDR-Unbiased | 98.919 | 98.911 | -0.008 |
| 87 | 100 | LDR-Biased | 98.93 | 98.929 | -0.001 |
| 88 | 100 | LDR-Biased | 98.925 | 98.928 | 0.003 |
| 90 | 100 | LDR-Biased | 98.931 | 98.926 | -0.005 |
| 91 | 100 | LDR-Unbiased | 98.923 | 98.927 | 0.004 |
| 93 | 100 | LDR-Unbiased | 98.931 | 98.927 | -0.004 |
| 94 | 100 | LDR-Unbiased | 98.928 | 98.932 | 0.004 |
| 95 | 100 | LDR-Unbiased | 98.921 | 98.925 | 0.004 |
| 96 | 100 | LDR-Unbiased | 98.924 | 98.923 | -0.001 |
| 106 | 50 | LDR-Biased | 98.929 | 98.944 | 0.015 |
| 108 | 50 | LDR-Biased | 98.933 | 98.923 | -0.01 |
| 109 | 50 | LDR-Biased | 98.922 | 98.92 | -0.002 |
| 110 | 50 | LDR-Biased | 98.927 | 98.93 | 0.003 |
| 111 | 50 | LDR-Biased | 98.931 | 98.921 | -0.01 |
| 112 | 50 | LDR-Unbiased | 98.921 | 98.921 | 0 |
| 113 | 50 | LDR-Unbiased | 98.936 | 98.92 | -0.016 |
| 115 | 50 | LDR-Unbiased | 98.924 | 98.913 | -0.011 |
| 116 | 50 | LDR-Unbiased | 98.919 | 98.909 | -0.01 |
| 117 | 50 | LDR-Unbiased | 98.924 | 98.918 | -0.006 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.925 | 98.926 | 98.927 | 0.0014142 | 98.925 | 98.926 | 98.927 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 98.919 | 98.927 | 98.936 | 0.0055618 | 98.921 | 98.932 | 98.946 | 0.0071678 | -0.004 | 0.0058 | 0.017 | 0.0068928 |
| 10 | 98.919 | 98.927 | 98.936 | 0.0055618 | 98.906 | 98.916 | 98.926 | 0.0062752 | -0.021 | -0.011 | -0.003 | 0.0067165 |
| 30 | 98.919 | 98.927 | 98.936 | 0.0055618 | 98.911 | 98.92 | 98.928 | 0.0056214 | -0.017 | -0.007 | 0.002 | 0.0062716 |
| 50 | 98.919 | 98.927 | 98.936 | 0.0055618 | 98.909 | 98.922 | 98.944 | 0.0095737 | -0.016 | -0.0047 | 0.015 | 0.0090068 |
| 100 | 98.921 | 98.927 | 98.931 | 0.0038891 | 98.923 | 98.927 | 98.932 | 0.0026959 | -0.005 | 0.0005 | 0.004 | 0.0037417 |

# Device Test: 6.9 ILKG_SENSE1/SENSE1//3/0/0/0/@ILKG_SENSE



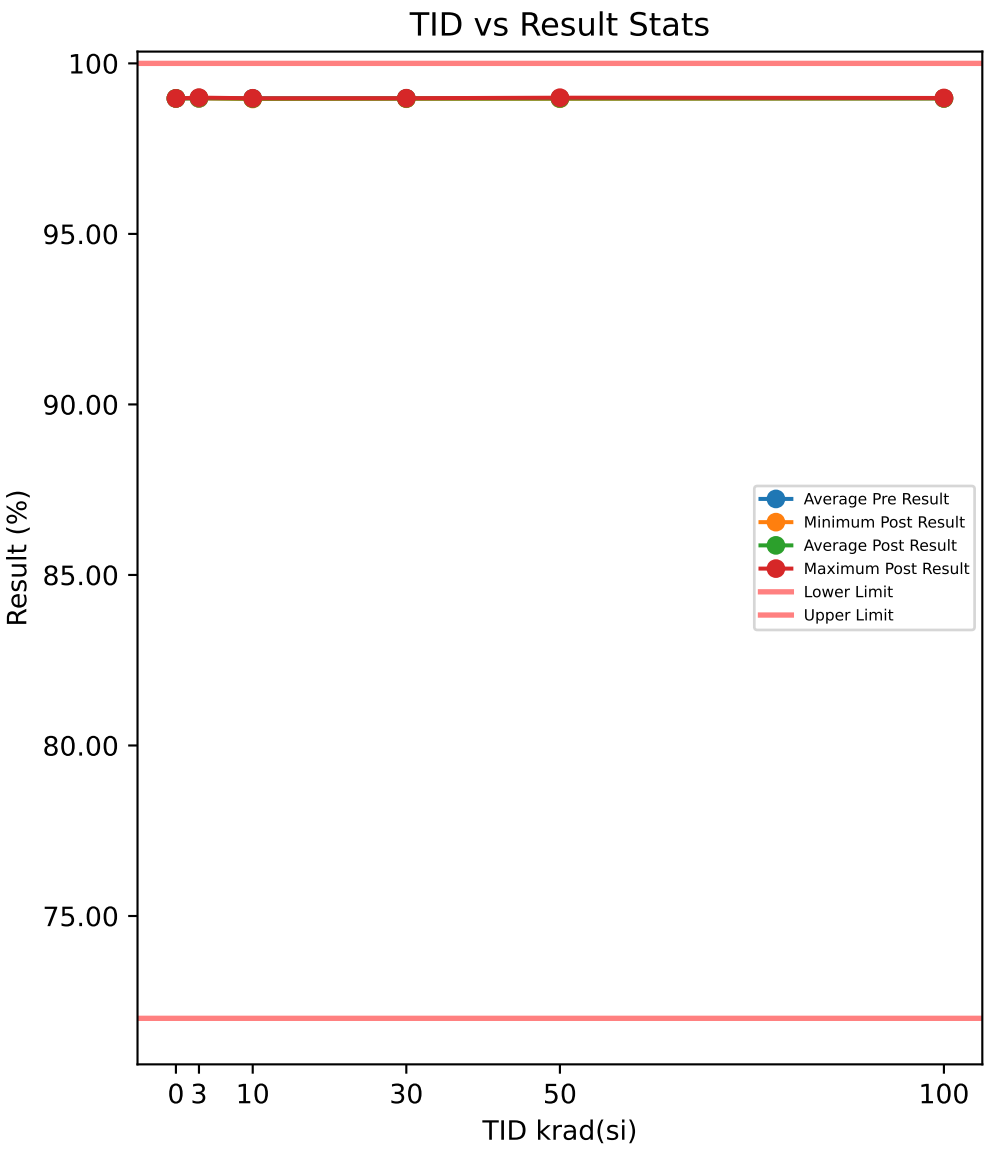

Test Results (Lower Limit = -5.0, Upper Limit = 50.0 (nA))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | -0.172 | -0.172 | 0 |
| 7 | 0 | Correlation | -0.153 | -0.153 | 0 |
| 16 | 3 | LDR-Biased | 0.043 | -0.157 | -0.2 |
| 18 | 3 | LDR-Biased | 0.04 | -0.169 | -0.209 |
| 19 | 3 | LDR-Biased | 0.036 | -0.159 | -0.195 |
| 20 | 3 | LDR-Biased | 0.014 | -0.146 | -0.16 |
| 21 | 3 | LDR-Biased | 0.042 | -0.165 | -0.207 |
| 22 | 3 | LDR-Unbiased | 0.034 | -0.17 | -0.204 |
| 23 | 3 | LDR-Unbiased | 0.026 | -0.157 | -0.183 |
| 25 | 3 | LDR-Unbiased | 0.024 | -0.162 | -0.186 |
| 26 | 3 | LDR-Unbiased | 0.049 | -0.163 | -0.212 |
| 27 | 3 | LDR-Unbiased | 0.035 | -0.162 | -0.197 |
| 46 | 10 | LDR-Biased | 0.043 | -0.388 | -0.431 |
| 48 | 10 | LDR-Biased | 0.04 | -0.408 | -0.448 |
| 49 | 10 | LDR-Biased | 0.036 | -0.418 | -0.454 |
| 50 | 10 | LDR-Biased | 0.014 | -0.397 | -0.411 |
| 51 | 10 | LDR-Biased | 0.042 | -0.396 | -0.438 |
| 52 | 10 | LDR-Unbiased | 0.034 | -0.411 | -0.445 |
| 53 | 10 | LDR-Unbiased | 0.026 | -0.393 | -0.419 |
| 55 | 10 | LDR-Unbiased | 0.024 | -0.402 | -0.426 |
| 56 | 10 | LDR-Unbiased | 0.049 | -0.392 | -0.441 |
| 57 | 10 | LDR-Unbiased | 0.035 | -0.415 | -0.45 |
| 76 | 30 | LDR-Biased | 0.043 | -0.116 | -0.159 |
| 78 | 30 | LDR-Biased | 0.04 | -0.14 | -0.18 |
| 79 | 30 | LDR-Biased | 0.036 | -0.13 | -0.166 |
| 80 | 30 | LDR-Biased | 0.014 | -0.13 | -0.144 |
| 81 | 30 | LDR-Biased | 0.042 | -0.122 | -0.164 |
| 82 | 30 | LDR-Unbiased | 0.034 | -0.129 | -0.163 |
| 83 | 30 | LDR-Unbiased | 0.026 | -0.155 | -0.181 |
| 84 | 30 | LDR-Unbiased | 0.035 | -0.141 | -0.176 |
| 85 | 30 | LDR-Unbiased | 0.024 | -0.136 | -0.16 |
| 86 | 30 | LDR-Unbiased | 0.049 | -0.118 | -0.167 |
| 87 | 100 | LDR-Biased | 0.036 | -0.088 | -0.124 |
| 88 | 100 | LDR-Biased | 0.04 | -0.105 | -0.145 |
| 90 | 100 | LDR-Biased | 0.037 | -0.117 | -0.154 |
| 91 | 100 | LDR-Unbiased | 0.041 | -0.098 | -0.139 |
| 93 | 100 | LDR-Unbiased | 0.052 | -0.101 | -0.153 |
| 94 | 100 | LDR-Unbiased | 0.056 | -0.098 | -0.154 |
| 95 | 100 | LDR-Unbiased | 0.05 | -0.088 | -0.138 |
| 96 | 100 | LDR-Unbiased | 0.048 | -0.104 | -0.152 |
| 106 | 50 | LDR-Biased | 0.043 | -0.084 | -0.127 |
| 108 | 50 | LDR-Biased | 0.04 | -0.11 | -0.15 |
| 109 | 50 | LDR-Biased | 0.036 | -0.037 | -0.073 |
| 110 | 50 | LDR-Biased | 0.014 | -0.034 | -0.048 |
| 111 | 50 | LDR-Biased | 0.042 | -0.024 | -0.066 |
| 112 | 50 | LDR-Unbiased | 0.034 | -0.007 | -0.041 |
| 113 | 50 | LDR-Unbiased | 0.026 | -0.044 | -0.07 |
| 115 | 50 | LDR-Unbiased | 0.024 | -0.045 | -0.069 |
| 116 | 50 | LDR-Unbiased | 0.049 | -0.056 | -0.105 |
| 117 | 50 | LDR-Unbiased | 0.035 | -0.03 | -0.065 |

Test Statistics (nA)

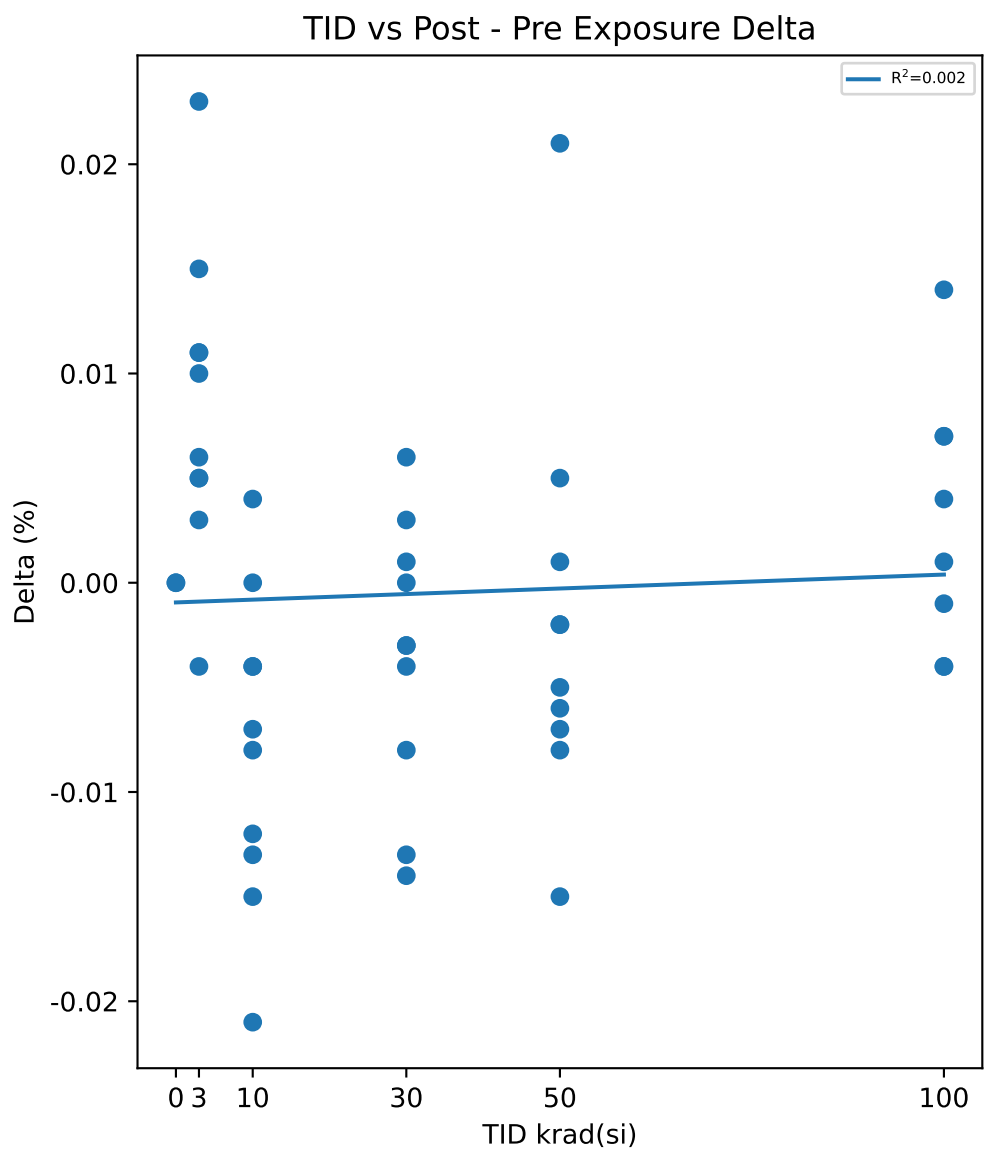
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | -0.172 | -0.1625 | -0.153 | 0.013435 | -0.172 | -0.1625 | -0.153 | 0.013435 | 0 | 0 | 0 | 0 |
| 3 | 0.014 | 0.0343 | 0.049 | 0.010404 | -0.17 | -0.161 | -0.146 | 0.0068961 | -0.212 | -0.1953 | -0.16 | 0.015592 |
| 10 | 0.014 | 0.0343 | 0.049 | 0.010404 | -0.418 | -0.402 | -0.388 | 0.010435 | -0.454 | -0.4363 | -0.411 | 0.01419 |
| 30 | 0.014 | 0.0343 | 0.049 | 0.010404 | -0.155 | -0.1317 | -0.116 | 0.011823 | -0.181 | -0.166 | -0.144 | 0.011075 |
| 50 | 0.014 | 0.0343 | 0.049 | 0.010404 | -0.11 | -0.0471 | -0.007 | 0.030035 | -0.15 | -0.0814 | -0.041 | 0.034881 |
| 100 | 0.036 | 0.045 | 0.056 | 0.0074642 | -0.117 | -0.099875 | -0.088 | 0.0094633 | -0.154 | -0.14488 | -0.124 | 0.010696 |

# Device Test: 6.90 VOH_10mA_EN3/EN3/7/3/0/0/10/@VOH_EN_10MA




Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

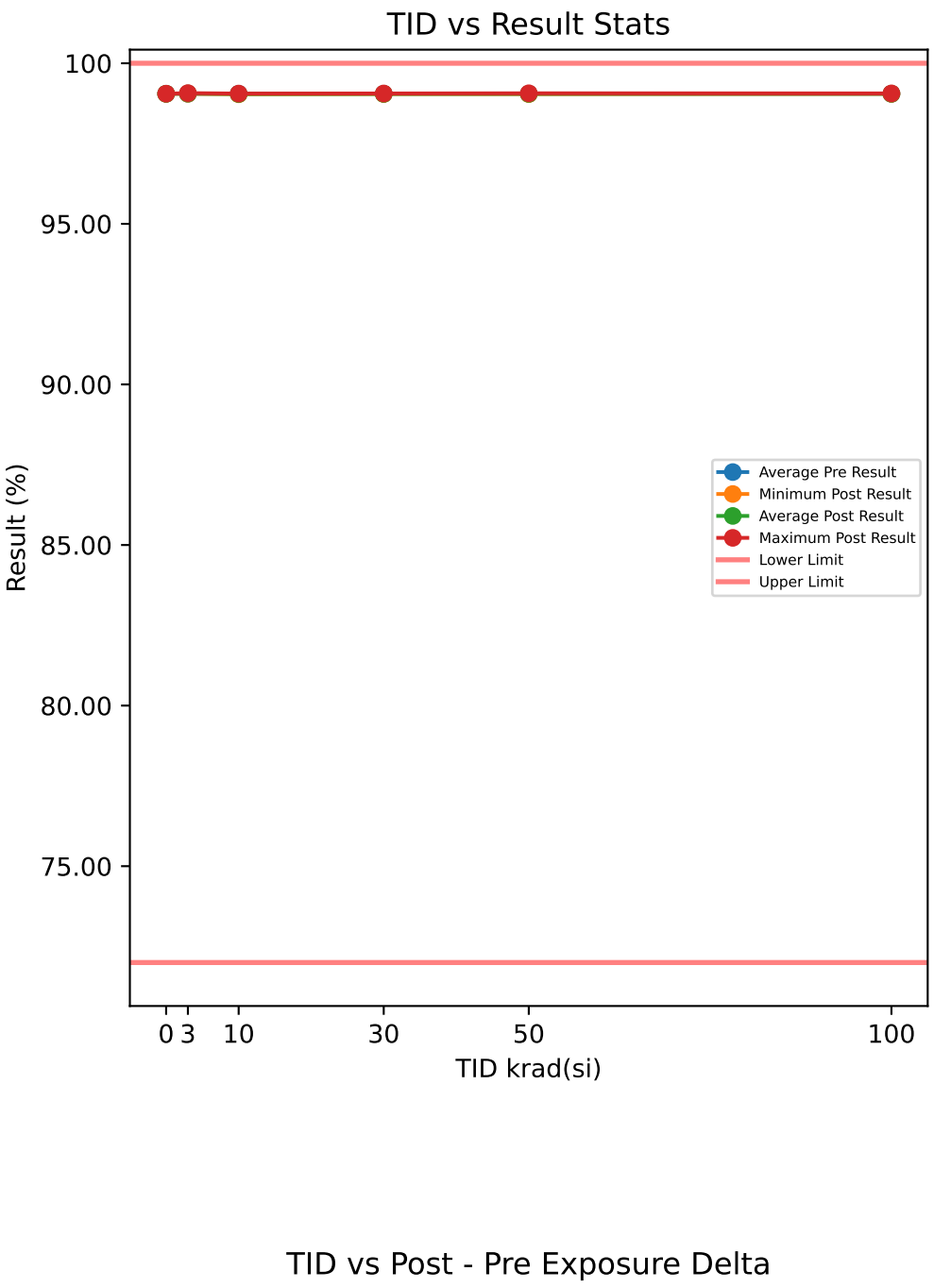
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.973 | 98.973 | 0 |
| 7 | 0 | Correlation | 98.973 | 98.973 | 0 |
| 16 | 3 | LDR-Biased | 98.973 | 98.996 | 0.023 |
| 18 | 3 | LDR-Biased | 98.979 | 98.984 | 0.005 |
| 19 | 3 | LDR-Biased | 98.968 | 98.979 | 0.011 |
| 20 | 3 | LDR-Biased | 98.975 | 98.99 | 0.015 |
| 21 | 3 | LDR-Biased | 98.976 | 98.981 | 0.005 |
| 22 | 3 | LDR-Unbiased | 98.972 | 98.983 | 0.011 |
| 23 | 3 | LDR-Unbiased | 98.985 | 98.981 | -0.004 |
| 25 | 3 | LDR-Unbiased | 98.971 | 98.974 | 0.003 |
| 26 | 3 | LDR-Unbiased | 98.971 | 98.977 | 0.006 |
| 27 | 3 | LDR-Unbiased | 98.972 | 98.982 | 0.01 |
| 46 | 10 | LDR-Biased | 98.973 | 98.977 | 0.004 |
| 48 | 10 | LDR-Biased | 98.979 | 98.966 | -0.013 |
| 49 | 10 | LDR-Biased | 98.968 | 98.964 | -0.004 |
| 50 | 10 | LDR-Biased | 98.975 | 98.975 | 0 |
| 51 | 10 | LDR-Biased | 98.976 | 98.964 | -0.012 |
| 52 | 10 | LDR-Unbiased | 98.972 | 98.965 | -0.007 |
| 53 | 10 | LDR-Unbiased | 98.985 | 98.964 | -0.021 |
| 55 | 10 | LDR-Unbiased | 98.971 | 98.956 | -0.015 |
| 56 | 10 | LDR-Unbiased | 98.971 | 98.963 | -0.008 |
| 57 | 10 | LDR-Unbiased | 98.972 | 98.968 | -0.004 |
| 76 | 30 | LDR-Biased | 98.973 | 98.979 | 0.006 |
| 78 | 30 | LDR-Biased | 98.979 | 98.966 | -0.013 |
| 79 | 30 | LDR-Biased | 98.968 | 98.965 | -0.003 |
| 80 | 30 | LDR-Biased | 98.975 | 98.978 | 0.003 |
| 81 | 30 | LDR-Biased | 98.976 | 98.972 | -0.004 |
| 82 | 30 | LDR-Unbiased | 98.972 | 98.972 | 0 |
| 83 | 30 | LDR-Unbiased | 98.985 | 98.971 | -0.014 |
| 84 | 30 | LDR-Unbiased | 98.972 | 98.973 | 0.001 |
| 85 | 30 | LDR-Unbiased | 98.971 | 98.963 | -0.008 |
| 86 | 30 | LDR-Unbiased | 98.971 | 98.968 | -0.003 |
| 87 | 100 | LDR-Biased | 98.979 | 98.975 | -0.004 |
| 88 | 100 | LDR-Biased | 98.969 | 98.973 | 0.004 |
| 90 | 100 | LDR-Biased | 98.976 | 98.972 | -0.004 |
| 91 | 100 | LDR-Unbiased | 98.973 | 98.974 | 0.001 |
| 93 | 100 | LDR-Unbiased | 98.976 | 98.975 | -0.001 |
| 94 | 100 | LDR-Unbiased | 98.972 | 98.986 | 0.014 |
| 95 | 100 | LDR-Unbiased | 98.97 | 98.977 | 0.007 |
| 96 | 100 | LDR-Unbiased | 98.972 | 98.979 | 0.007 |
| 106 | 50 | LDR-Biased | 98.973 | 98.994 | 0.021 |
| 108 | 50 | LDR-Biased | 98.979 | 98.972 | -0.007 |
| 109 | 50 | LDR-Biased | 98.968 | 98.969 | 0.001 |
| 110 | 50 | LDR-Biased | 98.975 | 98.98 | 0.005 |
| 111 | 50 | LDR-Biased | 98.976 | 98.971 | -0.005 |
| 112 | 50 | LDR-Unbiased | 98.972 | 98.97 | -0.002 |
| 113 | 50 | LDR-Unbiased | 98.985 | 98.97 | -0.015 |
| 115 | 50 | LDR-Unbiased | 98.971 | 98.963 | -0.008 |
| 116 | 50 | LDR-Unbiased | 98.971 | 98.965 | -0.006 |
| 117 | 50 | LDR-Unbiased | 98.972 | 98.97 | -0.002 |

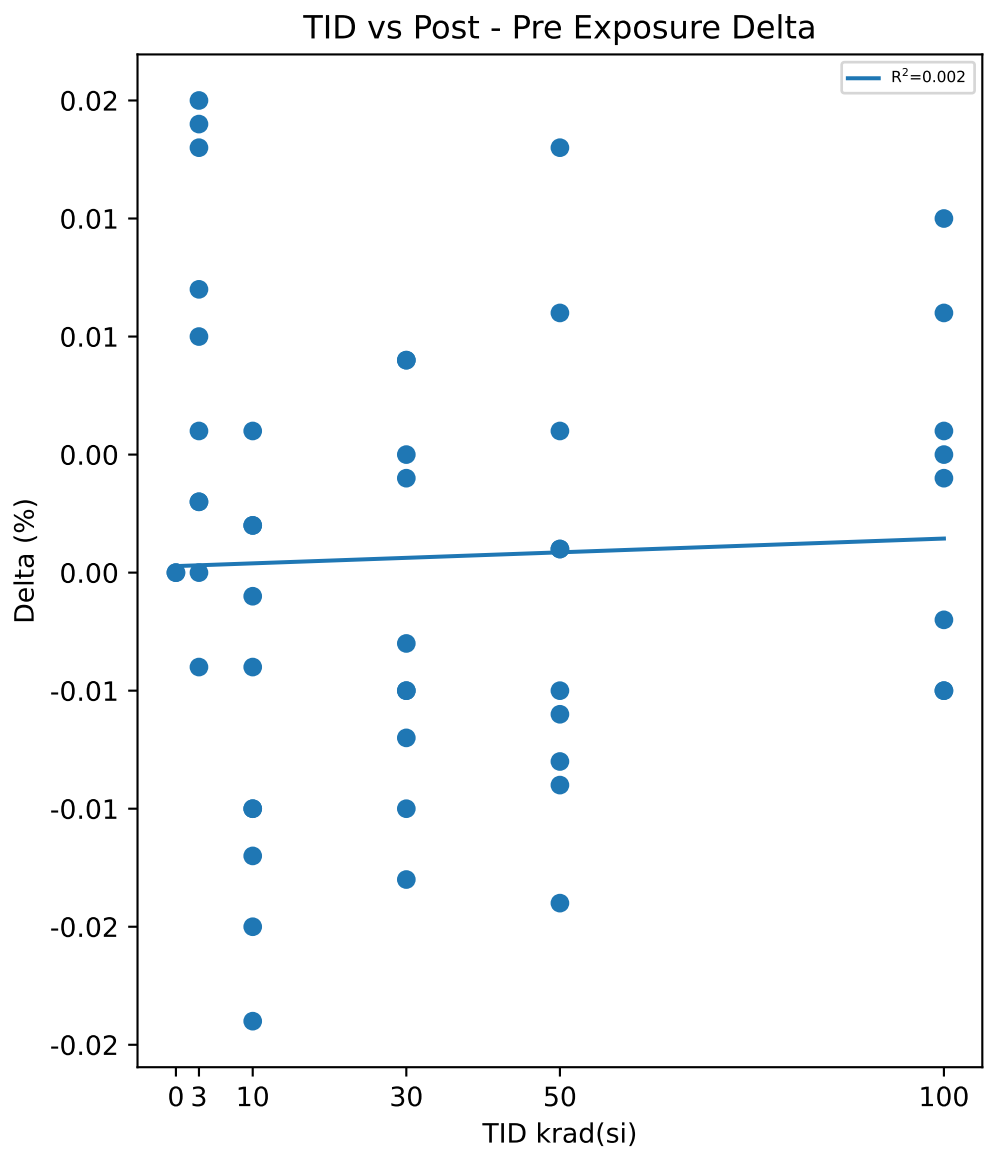



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.973 | 98.973 | 98.973 | 0 | 98.973 | 98.973 | 98.973 | 0 | 0 | 0 | 0 | 0 |
| 3 | 98.968 | 98.974 | 98.985 | 0.0048717 | 98.974 | 98.983 | 98.996 | 0.0063254 | -0.004 | 0.0085 | 0.023 | 0.0073371 |
| 10 | 98.968 | 98.974 | 98.985 | 0.0048717 | 98.956 | 98.966 | 98.977 | 0.0060332 | -0.021 | -0.008 | 0.004 | 0.0074536 |
| 30 | 98.968 | 98.974 | 98.985 | 0.0048717 | 98.963 | 98.971 | 98.979 | 0.0052926 | -0.014 | -0.0035 | 0.006 | 0.0065532 |
| 50 | 98.968 | 98.974 | 98.985 | 0.0048717 | 98.963 | 98.972 | 98.994 | 0.0088091 | -0.015 | -0.0018 | 0.021 | 0.0096701 |
| 100 | 98.969 | 98.973 | 98.979 | 0.003378 | 98.972 | 98.976 | 98.986 | 0.0044701 | -0.004 | 0.003 | 0.014 | 0.0062335 |

# Device Test: 6.91 VOH_10mA_EN4/EN4/7/3/0/0/10/@VOH_EN_10MA



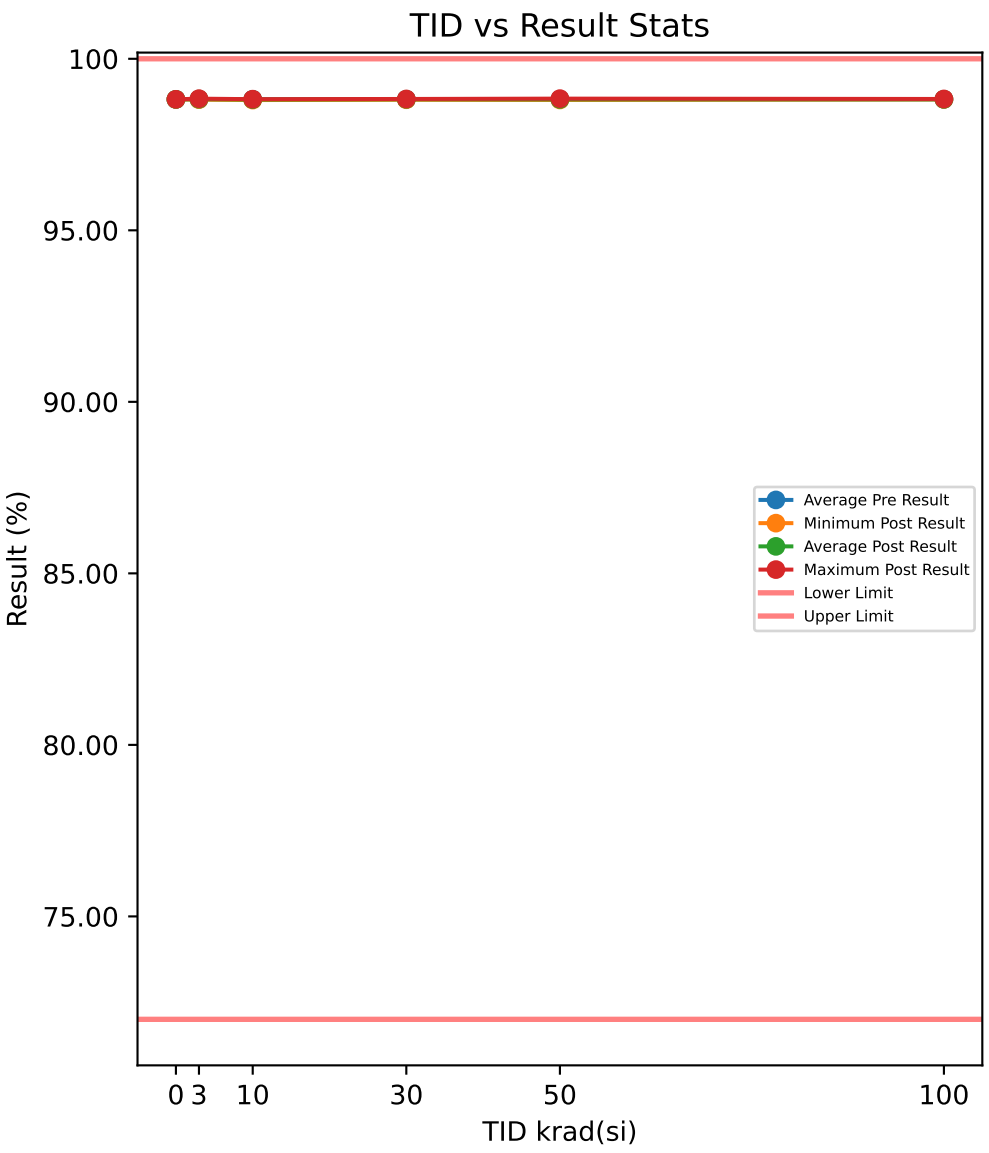

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.048 | 99.048 | 0 |
| 7 | 0 | Correlation | 99.053 | 99.053 | 0 |
| 16 | 3 | LDR-Biased | 99.047 | 99.066 | 0.019 |
| 18 | 3 | LDR-Biased | 99.054 | 99.06 | 0.006 |
| 19 | 3 | LDR-Biased | 99.045 | 99.055 | 0.01 |
| 20 | 3 | LDR-Biased | 99.05 | 99.07 | 0.02 |
| 21 | 3 | LDR-Biased | 99.055 | 99.055 | 0 |
| 22 | 3 | LDR-Unbiased | 99.044 | 99.062 | 0.018 |
| 23 | 3 | LDR-Unbiased | 99.059 | 99.055 | -0.004 |
| 25 | 3 | LDR-Unbiased | 99.047 | 99.05 | 0.003 |
| 26 | 3 | LDR-Unbiased | 99.048 | 99.051 | 0.003 |
| 27 | 3 | LDR-Unbiased | 99.047 | 99.059 | 0.012 |
| 46 | 10 | LDR-Biased | 99.047 | 99.049 | 0.002 |
| 48 | 10 | LDR-Biased | 99.054 | 99.044 | -0.01 |
| 49 | 10 | LDR-Biased | 99.045 | 99.041 | -0.004 |
| 50 | 10 | LDR-Biased | 99.05 | 99.056 | 0.006 |
| 51 | 10 | LDR-Biased | 99.055 | 99.04 | -0.015 |
| 52 | 10 | LDR-Unbiased | 99.044 | 99.046 | 0.002 |
| 53 | 10 | LDR-Unbiased | 99.059 | 99.04 | -0.019 |
| 55 | 10 | LDR-Unbiased | 99.047 | 99.035 | -0.012 |
| 56 | 10 | LDR-Unbiased | 99.048 | 99.038 | -0.01 |
| 57 | 10 | LDR-Unbiased | 99.047 | 99.046 | -0.001 |
| 76 | 30 | LDR-Biased | 99.047 | 99.052 | 0.005 |
| 78 | 30 | LDR-Biased | 99.054 | 99.044 | -0.01 |
| 79 | 30 | LDR-Biased | 99.045 | 99.042 | -0.003 |
| 80 | 30 | LDR-Biased | 99.05 | 99.059 | 0.009 |
| 81 | 30 | LDR-Biased | 99.055 | 99.048 | -0.007 |
| 82 | 30 | LDR-Unbiased | 99.044 | 99.053 | 0.009 |
| 83 | 30 | LDR-Unbiased | 99.059 | 99.046 | -0.013 |
| 84 | 30 | LDR-Unbiased | 99.047 | 99.051 | 0.004 |
| 85 | 30 | LDR-Unbiased | 99.047 | 99.042 | -0.005 |
| 86 | 30 | LDR-Unbiased | 99.048 | 99.043 | -0.005 |
| 87 | 100 | LDR-Biased | 99.054 | 99.052 | -0.002 |
| 88 | 100 | LDR-Biased | 99.042 | 99.048 | 0.006 |
| 90 | 100 | LDR-Biased | 99.052 | 99.047 | -0.005 |
| 91 | 100 | LDR-Unbiased | 99.046 | 99.05 | 0.004 |
| 93 | 100 | LDR-Unbiased | 99.055 | 99.05 | -0.005 |
| 94 | 100 | LDR-Unbiased | 99.046 | 99.061 | 0.015 |
| 95 | 100 | LDR-Unbiased | 99.049 | 99.054 | 0.005 |
| 96 | 100 | LDR-Unbiased | 99.046 | 99.057 | 0.011 |
| 106 | 50 | LDR-Biased | 99.047 | 99.065 | 0.018 |
| 108 | 50 | LDR-Biased | 99.054 | 99.049 | -0.005 |
| 109 | 50 | LDR-Biased | 99.045 | 99.046 | 0.001 |
| 110 | 50 | LDR-Biased | 99.05 | 99.061 | 0.011 |
| 111 | 50 | LDR-Biased | 99.055 | 99.046 | -0.009 |
| 112 | 50 | LDR-Unbiased | 99.044 | 99.05 | 0.006 |
| 113 | 50 | LDR-Unbiased | 99.059 | 99.045 | -0.014 |
| 115 | 50 | LDR-Unbiased | 99.047 | 99.041 | -0.006 |
| 116 | 50 | LDR-Unbiased | 99.048 | 99.04 | -0.008 |
| 117 | 50 | LDR-Unbiased | 99.047 | 99.048 | 0.001 |

Test Statistics (%)

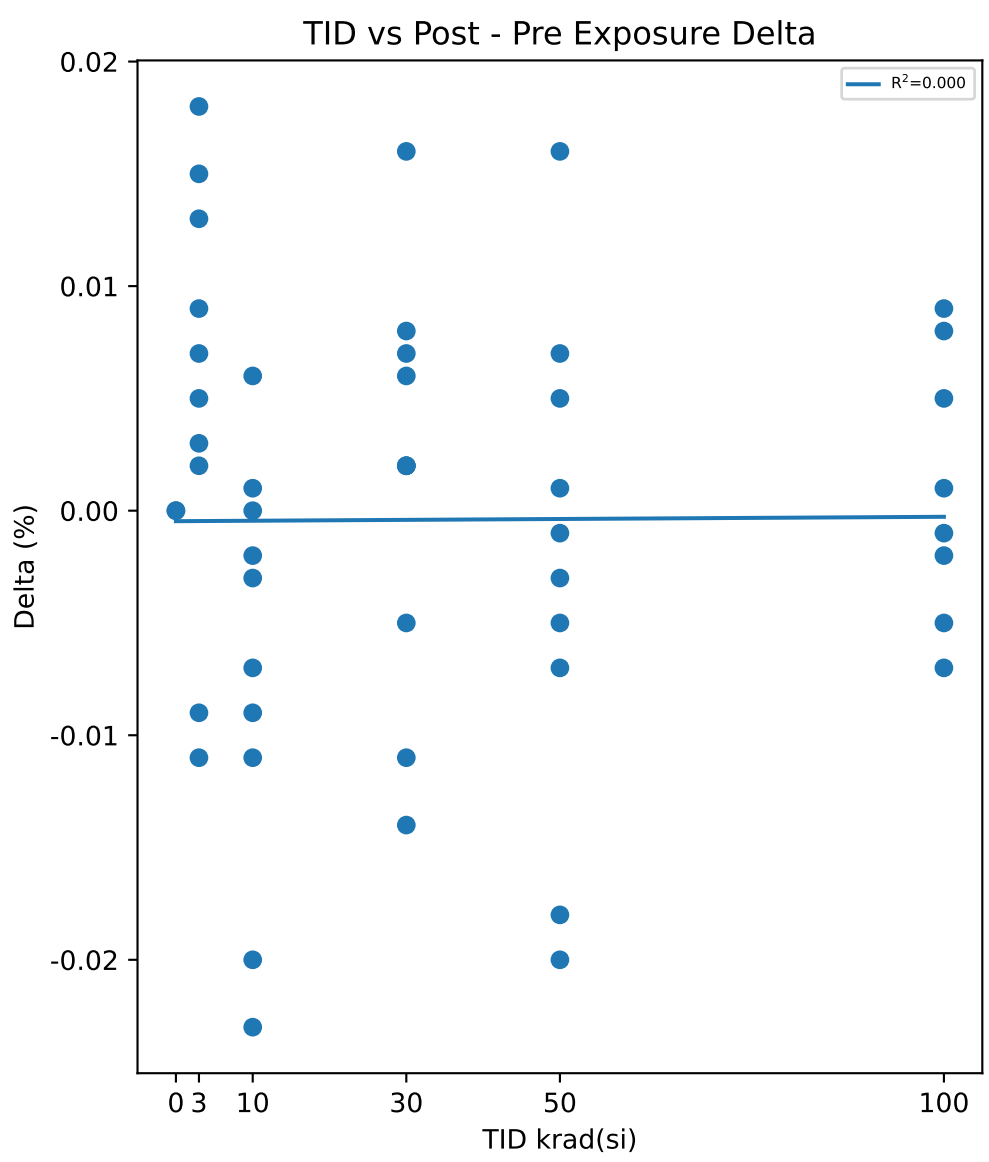
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.048 | 99.05 | 99.053 | 0.0035355 | 99.048 | 99.05 | 99.053 | 0.0035355 | 0 | 0 | 0 | 0 |
| 3 | 99.044 | 99.05 | 99.059 | 0.004858 | 99.05 | 99.058 | 99.07 | 0.0063953 | -0.004 | 0.0087 | 0.02 | 0.0084466 |
| 10 | 99.044 | 99.05 | 99.059 | 0.004858 | 99.035 | 99.044 | 99.056 | 0.0060782 | -0.019 | -0.0061 | 0.006 | 0.0082926 |
| 30 | 99.044 | 99.05 | 99.059 | 0.004858 | 99.042 | 99.048 | 99.059 | 0.0056569 | -0.013 | -0.0016 | 0.009 | 0.0078486 |
| 50 | 99.044 | 99.05 | 99.059 | 0.004858 | 99.04 | 99.049 | 99.065 | 0.008034 | -0.014 | -0.0005 | 0.018 | 0.0099023 |
| 100 | 99.042 | 99.049 | 99.055 | 0.0045591 | 99.047 | 99.052 | 99.061 | 0.0047491 | -0.005 | 0.003625 | 0.015 | 0.0072887 |

# Device Test: 6.92 VOH_10mA_SEQ/SEQ_DONE/7/3/0/0/10/@VOH_SEQ_DONE_10MA




Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

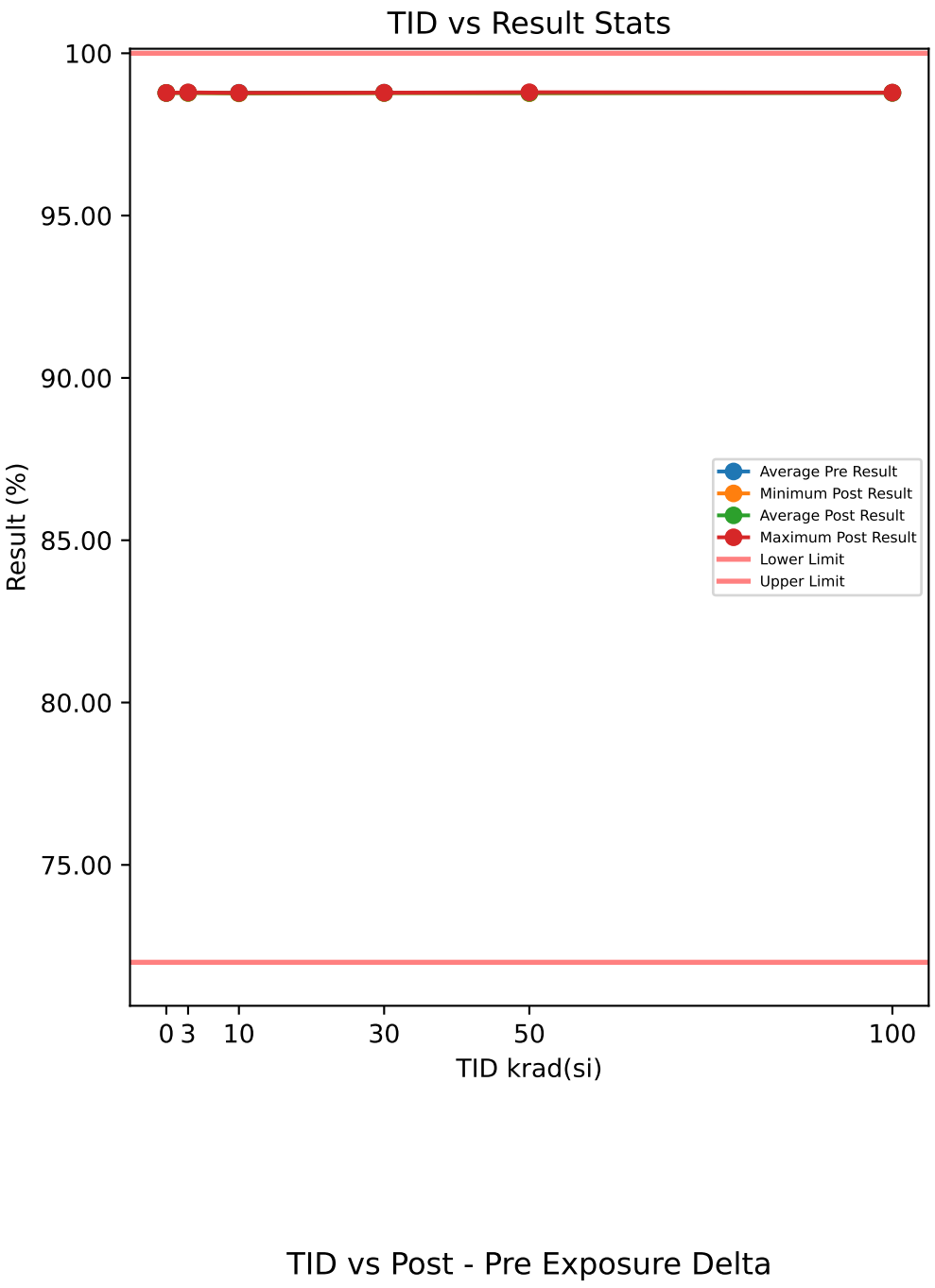
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.816 | 98.816 | 0 |
| 7 | 0 | Correlation | 98.819 | 98.819 | 0 |
| 16 | 3 | LDR-Biased | 98.823 | 98.838 | 0.015 |
| 18 | 3 | LDR-Biased | 98.824 | 98.829 | 0.005 |
| 19 | 3 | LDR-Biased | 98.814 | 98.823 | 0.009 |
| 20 | 3 | LDR-Biased | 98.818 | 98.831 | 0.013 |
| 21 | 3 | LDR-Biased | 98.822 | 98.824 | 0.002 |
| 22 | 3 | LDR-Unbiased | 98.813 | 98.831 | 0.018 |
| 23 | 3 | LDR-Unbiased | 98.83 | 98.821 | -0.009 |
| 25 | 3 | LDR-Unbiased | 98.82 | 98.809 | -0.011 |
| 26 | 3 | LDR-Unbiased | 98.816 | 98.819 | 0.003 |
| 27 | 3 | LDR-Unbiased | 98.814 | 98.821 | 0.007 |
| 46 | 10 | LDR-Biased | 98.823 | 98.823 | 0 |
| 48 | 10 | LDR-Biased | 98.824 | 98.815 | -0.009 |
| 49 | 10 | LDR-Biased | 98.814 | 98.812 | -0.002 |
| 50 | 10 | LDR-Biased | 98.818 | 98.819 | 0.001 |
| 51 | 10 | LDR-Biased | 98.822 | 98.811 | -0.011 |
| 52 | 10 | LDR-Unbiased | 98.813 | 98.819 | 0.006 |
| 53 | 10 | LDR-Unbiased | 98.83 | 98.81 | -0.02 |
| 55 | 10 | LDR-Unbiased | 98.82 | 98.797 | -0.023 |
| 56 | 10 | LDR-Unbiased | 98.816 | 98.809 | -0.007 |
| 57 | 10 | LDR-Unbiased | 98.814 | 98.811 | -0.003 |
| 76 | 30 | LDR-Biased | 98.823 | 98.829 | 0.006 |
| 78 | 30 | LDR-Biased | 98.824 | 98.819 | -0.005 |
| 79 | 30 | LDR-Biased | 98.814 | 98.816 | 0.002 |
| 80 | 30 | LDR-Biased | 98.818 | 98.826 | 0.008 |
| 81 | 30 | LDR-Biased | 98.822 | 98.824 | 0.002 |
| 82 | 30 | LDR-Unbiased | 98.813 | 98.829 | 0.016 |
| 83 | 30 | LDR-Unbiased | 98.83 | 98.819 | -0.011 |
| 84 | 30 | LDR-Unbiased | 98.814 | 98.821 | 0.007 |
| 85 | 30 | LDR-Unbiased | 98.82 | 98.806 | -0.014 |
| 86 | 30 | LDR-Unbiased | 98.816 | 98.818 | 0.002 |
| 87 | 100 | LDR-Biased | 98.822 | 98.82 | -0.002 |
| 88 | 100 | LDR-Biased | 98.817 | 98.816 | -0.001 |
| 90 | 100 | LDR-Biased | 98.822 | 98.815 | -0.007 |
| 91 | 100 | LDR-Unbiased | 98.816 | 98.821 | 0.005 |
| 93 | 100 | LDR-Unbiased | 98.821 | 98.816 | -0.005 |
| 94 | 100 | LDR-Unbiased | 98.821 | 98.829 | 0.008 |
| 95 | 100 | LDR-Unbiased | 98.82 | 98.821 | 0.001 |
| 96 | 100 | LDR-Unbiased | 98.813 | 98.822 | 0.009 |
| 106 | 50 | LDR-Biased | 98.823 | 98.839 | 0.016 |
| 108 | 50 | LDR-Biased | 98.824 | 98.821 | -0.003 |
| 109 | 50 | LDR-Biased | 98.814 | 98.815 | 0.001 |
| 110 | 50 | LDR-Biased | 98.818 | 98.823 | 0.005 |
| 111 | 50 | LDR-Biased | 98.822 | 98.817 | -0.005 |
| 112 | 50 | LDR-Unbiased | 98.813 | 98.82 | 0.007 |
| 113 | 50 | LDR-Unbiased | 98.83 | 98.812 | -0.018 |
| 115 | 50 | LDR-Unbiased | 98.82 | 98.8 | -0.02 |
| 116 | 50 | LDR-Unbiased | 98.816 | 98.809 | -0.007 |
| 117 | 50 | LDR-Unbiased | 98.814 | 98.813 | -0.001 |

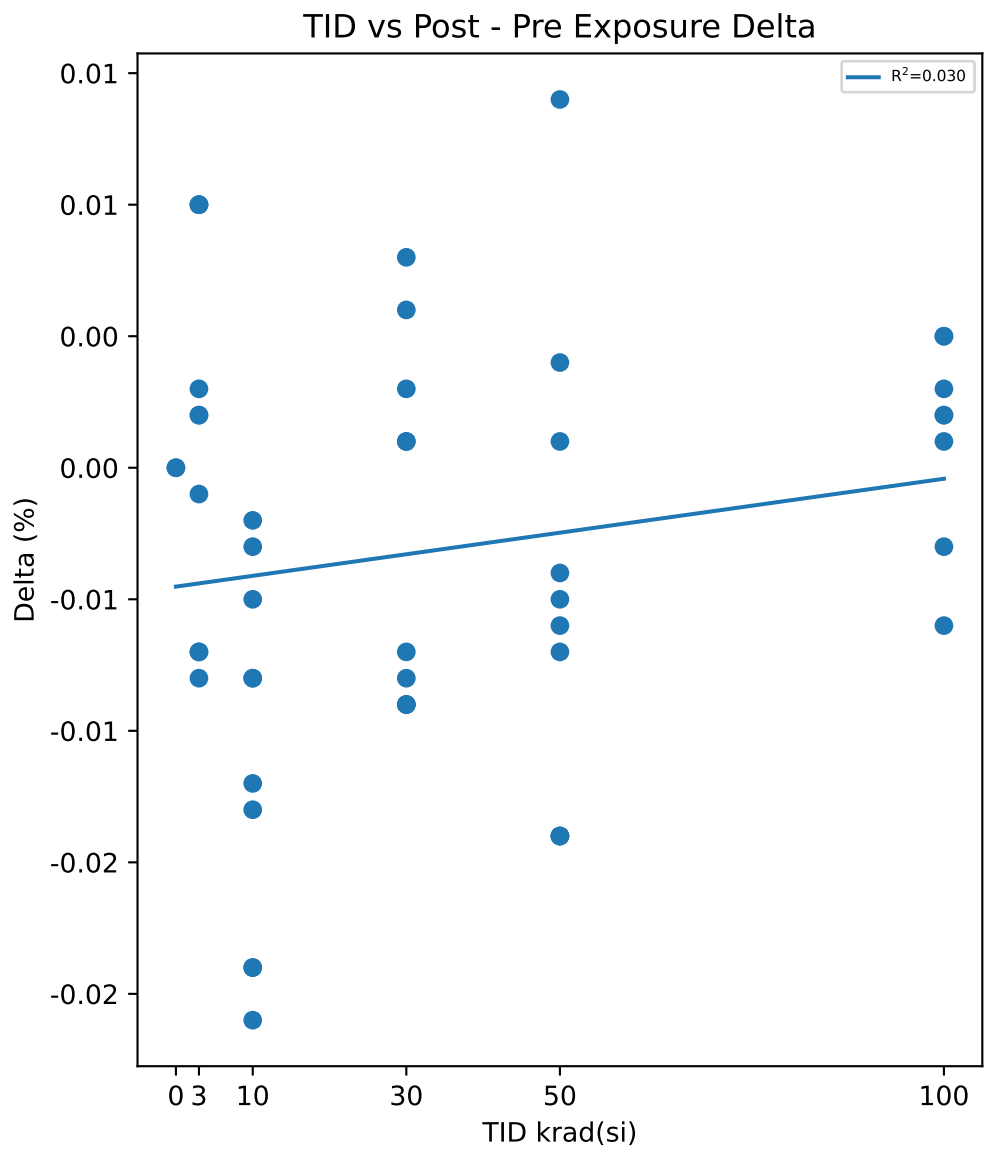



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.816 | 98.817 | 98.819 | 0.0021213 | 98.816 | 98.817 | 98.819 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 98.813 | 98.819 | 98.83 | 0.0054406 | 98.809 | 98.825 | 98.838 | 0.0080581 | -0.011 | 0.0052 | 0.018 | 0.0095312 |
| 10 | 98.813 | 98.819 | 98.83 | 0.0054406 | 98.797 | 98.813 | 98.823 | 0.0071833 | -0.023 | -0.0068 | 0.006 | 0.0092352 |
| 30 | 98.813 | 98.819 | 98.83 | 0.0054406 | 98.806 | 98.821 | 98.829 | 0.0068969 | -0.014 | 0.0013 | 0.016 | 0.0090805 |
| 50 | 98.813 | 98.819 | 98.83 | 0.0054406 | 98.8 | 98.817 | 98.839 | 0.010236 | -0.02 | -0.0025 | 0.016 | 0.010937 |
| 100 | 98.813 | 98.819 | 98.822 | 0.003295 | 98.815 | 98.82 | 98.829 | 0.0045356 | -0.007 | 0.001 | 0.009 | 0.0058797 |

# Device Test: 6.93 VOH_10mA_PWRGD/PWRGD/7/3/0/0/10/@VOH_PWRGD_10MA



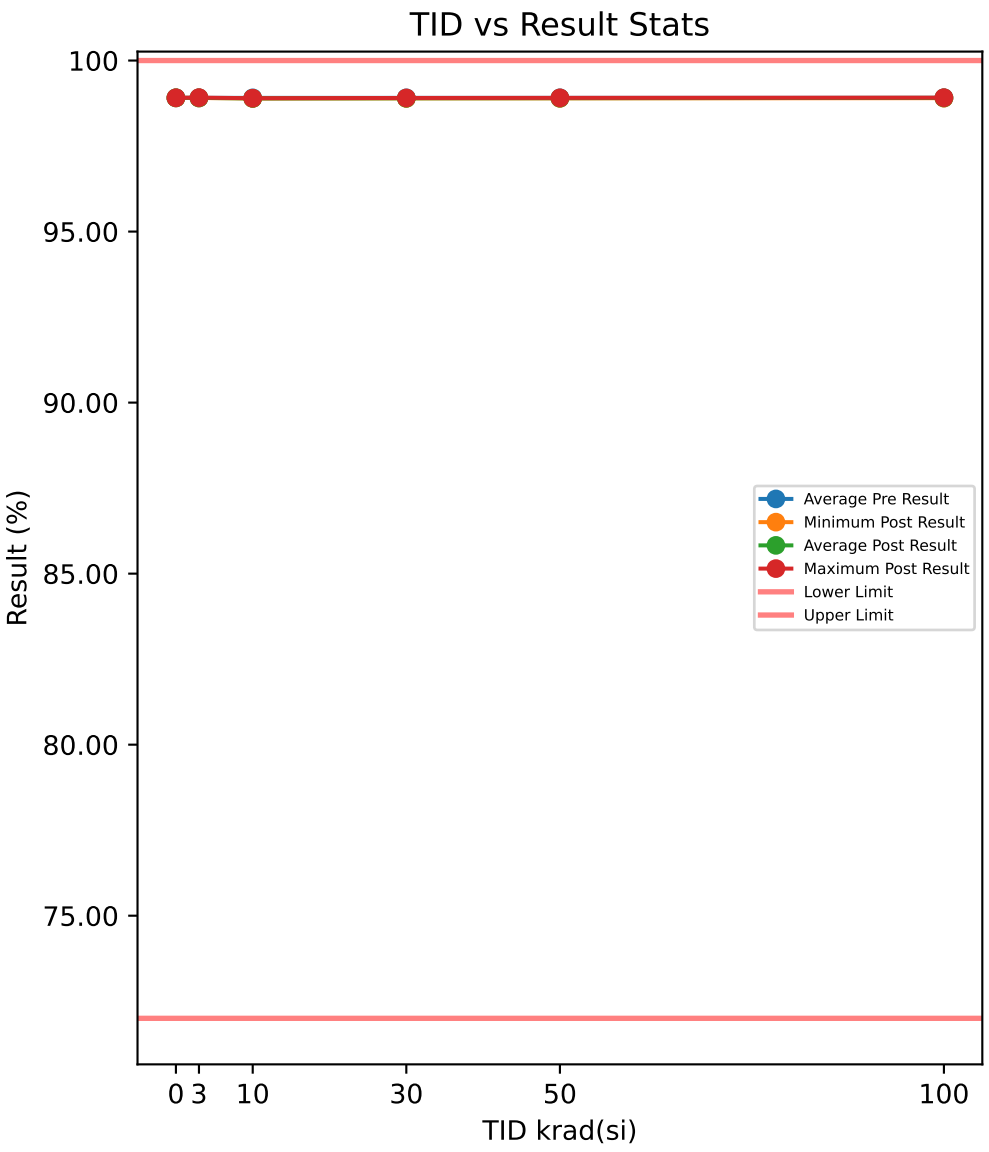

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

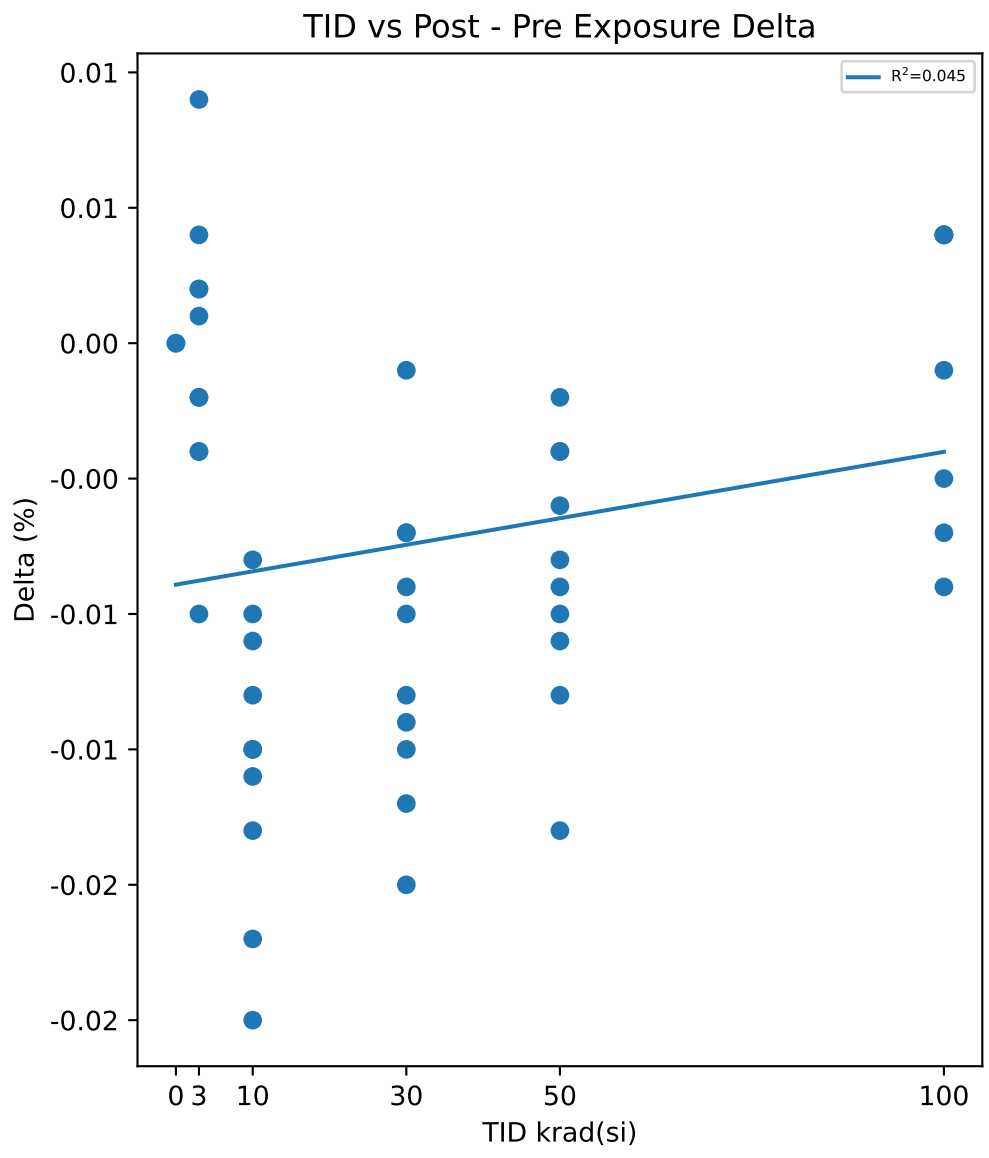
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.779 | 98.779 | 0 |
| 7 | 0 | Correlation | 98.777 | 98.777 | 0 |
| 16 | 3 | LDR-Biased | 98.785 | 98.795 | 0.01 |
| 18 | 3 | LDR-Biased | 98.786 | 98.788 | 0.002 |
| 19 | 3 | LDR-Biased | 98.781 | 98.78 | -0.001 |
| 20 | 3 | LDR-Biased | 98.778 | 98.788 | 0.01 |
| 21 | 3 | LDR-Biased | 98.787 | 98.779 | -0.008 |
| 22 | 3 | LDR-Unbiased | 98.778 | 98.788 | 0.01 |
| 23 | 3 | LDR-Unbiased | 98.789 | 98.782 | -0.007 |
| 25 | 3 | LDR-Unbiased | 98.783 | 98.776 | -0.007 |
| 26 | 3 | LDR-Unbiased | 98.778 | 98.78 | 0.002 |
| 27 | 3 | LDR-Unbiased | 98.778 | 98.781 | 0.003 |
| 46 | 10 | LDR-Biased | 98.785 | 98.78 | -0.005 |
| 48 | 10 | LDR-Biased | 98.786 | 98.774 | -0.012 |
| 49 | 10 | LDR-Biased | 98.781 | 98.768 | -0.013 |
| 50 | 10 | LDR-Biased | 98.778 | 98.776 | -0.002 |
| 51 | 10 | LDR-Biased | 98.787 | 98.766 | -0.021 |
| 52 | 10 | LDR-Unbiased | 98.778 | 98.775 | -0.003 |
| 53 | 10 | LDR-Unbiased | 98.789 | 98.77 | -0.019 |
| 55 | 10 | LDR-Unbiased | 98.783 | 98.764 | -0.019 |
| 56 | 10 | LDR-Unbiased | 98.778 | 98.77 | -0.008 |
| 57 | 10 | LDR-Unbiased | 98.778 | 98.77 | -0.008 |
| 76 | 30 | LDR-Biased | 98.785 | 98.786 | 0.001 |
| 78 | 30 | LDR-Biased | 98.786 | 98.778 | -0.008 |
| 79 | 30 | LDR-Biased | 98.781 | 98.774 | -0.007 |
| 80 | 30 | LDR-Biased | 98.778 | 98.784 | 0.006 |
| 81 | 30 | LDR-Biased | 98.787 | 98.778 | -0.009 |
| 82 | 30 | LDR-Unbiased | 98.778 | 98.786 | 0.008 |
| 83 | 30 | LDR-Unbiased | 98.789 | 98.78 | -0.009 |
| 84 | 30 | LDR-Unbiased | 98.778 | 98.781 | 0.003 |
| 85 | 30 | LDR-Unbiased | 98.783 | 98.774 | -0.009 |
| 86 | 30 | LDR-Unbiased | 98.778 | 98.779 | 0.001 |
| 87 | 100 | LDR-Biased | 98.781 | 98.783 | 0.002 |
| 88 | 100 | LDR-Biased | 98.78 | 98.782 | 0.002 |
| 90 | 100 | LDR-Biased | 98.784 | 98.781 | -0.003 |
| 91 | 100 | LDR-Unbiased | 98.781 | 98.782 | 0.001 |
| 93 | 100 | LDR-Unbiased | 98.787 | 98.781 | -0.006 |
| 94 | 100 | LDR-Unbiased | 98.784 | 98.789 | 0.005 |
| 95 | 100 | LDR-Unbiased | 98.779 | 98.782 | 0.003 |
| 96 | 100 | LDR-Unbiased | 98.778 | 98.783 | 0.005 |
| 106 | 50 | LDR-Biased | 98.785 | 98.799 | 0.014 |
| 108 | 50 | LDR-Biased | 98.786 | 98.781 | -0.005 |
| 109 | 50 | LDR-Biased | 98.781 | 98.774 | -0.007 |
| 110 | 50 | LDR-Biased | 98.778 | 98.782 | 0.004 |
| 111 | 50 | LDR-Biased | 98.787 | 98.773 | -0.014 |
| 112 | 50 | LDR-Unbiased | 98.778 | 98.779 | 0.001 |
| 113 | 50 | LDR-Unbiased | 98.789 | 98.775 | -0.014 |
| 115 | 50 | LDR-Unbiased | 98.783 | 98.769 | -0.014 |
| 116 | 50 | LDR-Unbiased | 98.778 | 98.772 | -0.006 |
| 117 | 50 | LDR-Unbiased | 98.778 | 98.774 | -0.004 |

## Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.777 | 98.778 | 98.779 | 0.0014142 | 98.777 | 98.778 | 98.779 | 0.0014142 | 0 | 0 | 0 | 0 |
| 3 | 98.778 | 98.782 | 98.789 | 0.0042701 | 98.776 | 98.784 | 98.795 | 0.0057937 | -0.008 | 0.0014 | 0.01 | 0.0071523 |
| 10 | 98.778 | 98.782 | 98.789 | 0.0042701 | 98.764 | 98.771 | 98.78 | 0.0049001 | -0.021 | -0.011 | -0.002 | 0.0069282 |
| 30 | 98.778 | 98.782 | 98.789 | 0.0042701 | 98.774 | 98.78 | 98.786 | 0.0043461 | -0.009 | -0.0023 | 0.008 | 0.0067831 |
| 50 | 98.778 | 98.782 | 98.789 | 0.0042701 | 98.769 | 98.778 | 98.799 | 0.0084958 | -0.014 | -0.0045 | 0.014 | 0.0089722 |
| 100 | 98.778 | 98.782 | 98.787 | 0.0030119 | 98.781 | 98.783 | 98.789 | 0.0025877 | -0.006 | 0.001125 | 0.005 | 0.0038336 |

# Device Test: 6.94 VOH_10mA_EN1/EN1/7/14/0/0/10/@VOH_EN_10MA



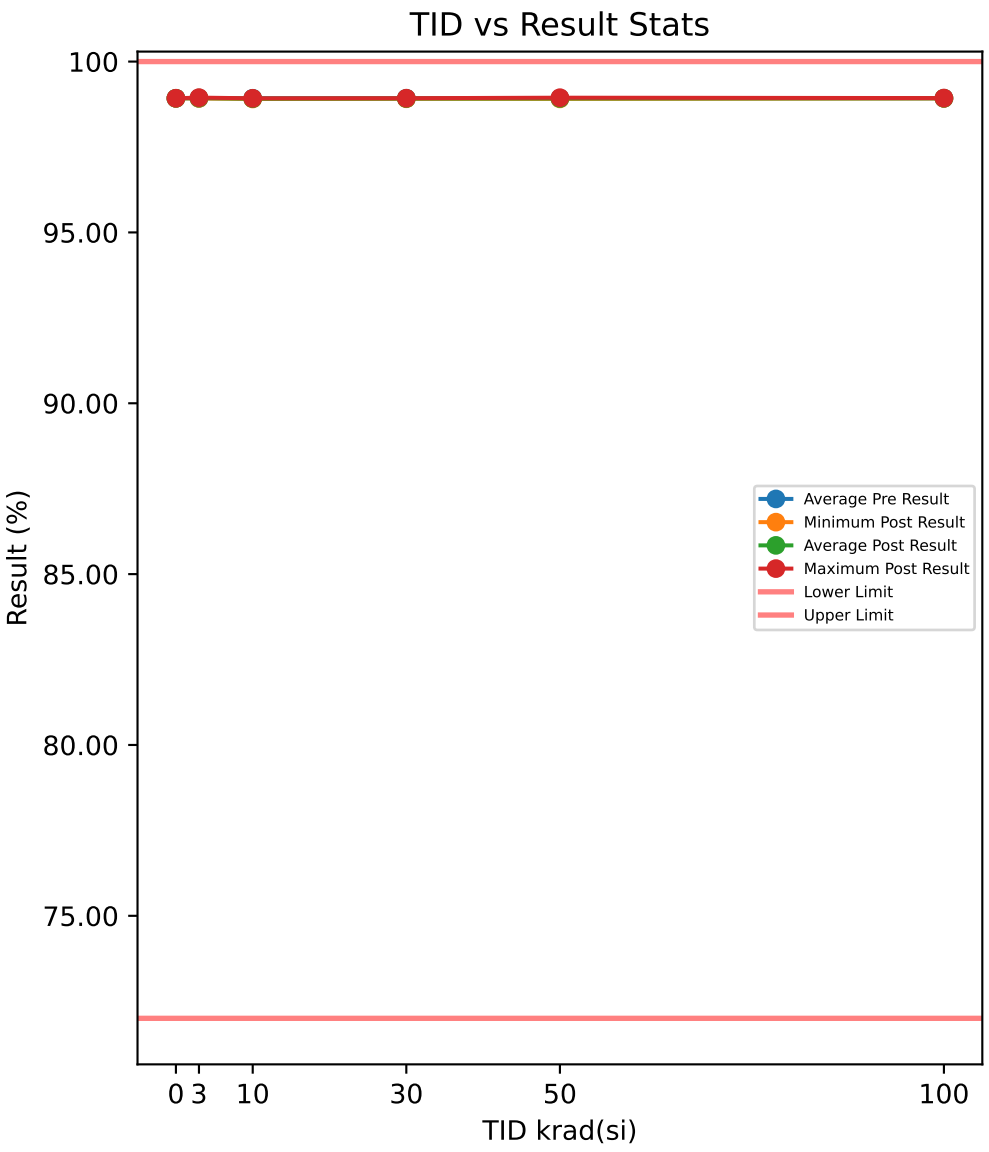

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

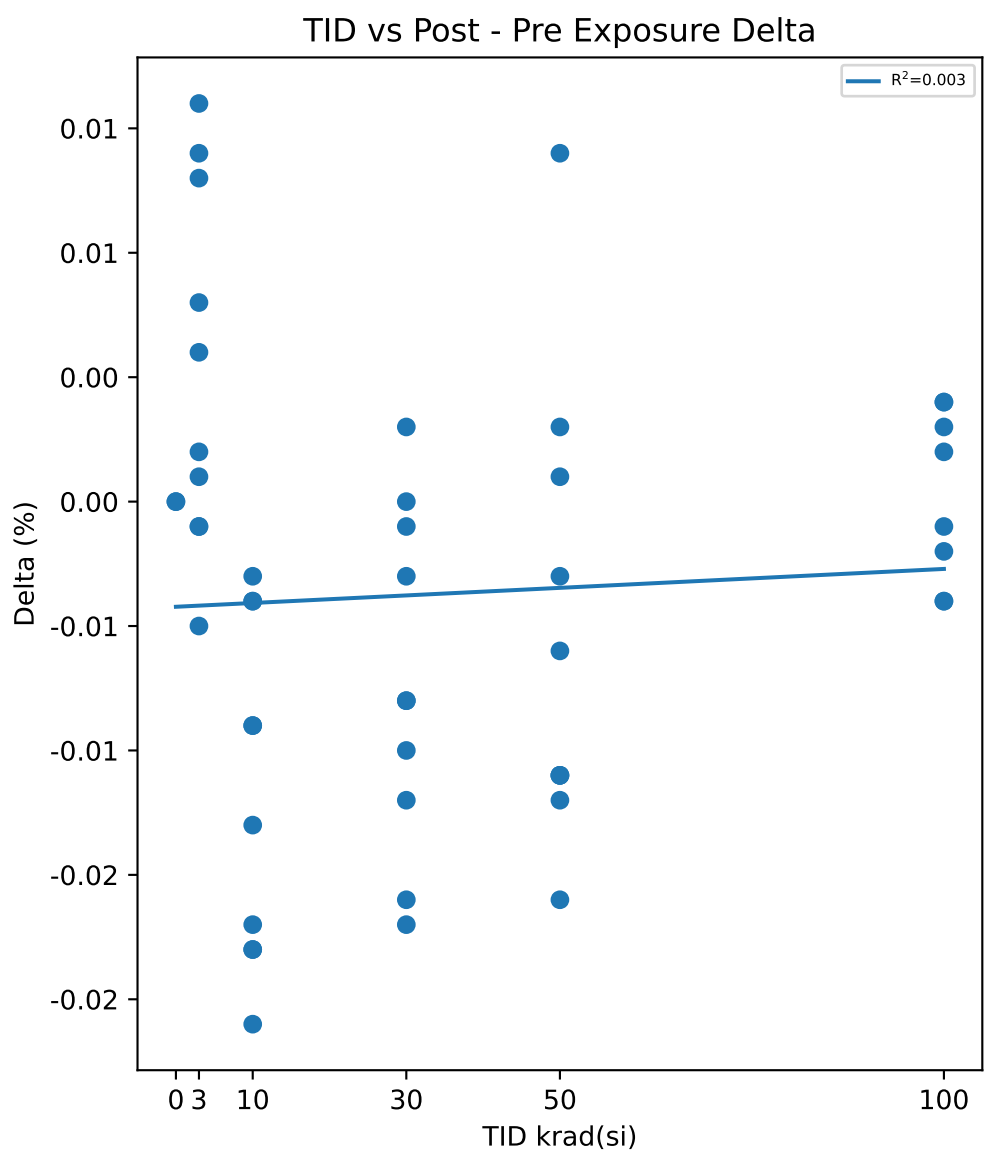
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.911 | 98.911 | 0 |
| 7 | 0 | Correlation | 98.908 | 98.908 | 0 |
| 16 | 3 | LDR-Biased | 98.913 | 98.909 | -0.004 |
| 18 | 3 | LDR-Biased | 98.908 | 98.909 | 0.001 |
| 19 | 3 | LDR-Biased | 98.903 | 98.907 | 0.004 |
| 20 | 3 | LDR-Biased | 98.91 | 98.908 | -0.002 |
| 21 | 3 | LDR-Biased | 98.917 | 98.907 | -0.01 |
| 22 | 3 | LDR-Unbiased | 98.907 | 98.916 | 0.009 |
| 23 | 3 | LDR-Unbiased | 98.912 | 98.908 | -0.004 |
| 25 | 3 | LDR-Unbiased | 98.905 | 98.907 | 0.002 |
| 26 | 3 | LDR-Unbiased | 98.903 | 98.905 | 0.002 |
| 27 | 3 | LDR-Unbiased | 98.907 | 98.905 | -0.002 |
| 46 | 10 | LDR-Biased | 98.913 | 98.891 | -0.022 |
| 48 | 10 | LDR-Biased | 98.908 | 98.893 | -0.015 |
| 49 | 10 | LDR-Biased | 98.903 | 98.893 | -0.01 |
| 50 | 10 | LDR-Biased | 98.91 | 98.894 | -0.016 |
| 51 | 10 | LDR-Biased | 98.917 | 98.892 | -0.025 |
| 52 | 10 | LDR-Unbiased | 98.907 | 98.899 | -0.008 |
| 53 | 10 | LDR-Unbiased | 98.912 | 98.894 | -0.018 |
| 55 | 10 | LDR-Unbiased | 98.905 | 98.892 | -0.013 |
| 56 | 10 | LDR-Unbiased | 98.903 | 98.892 | -0.011 |
| 57 | 10 | LDR-Unbiased | 98.907 | 98.892 | -0.015 |
| 76 | 30 | LDR-Biased | 98.913 | 98.893 | -0.02 |
| 78 | 30 | LDR-Biased | 98.908 | 98.893 | -0.015 |
| 79 | 30 | LDR-Biased | 98.903 | 98.894 | -0.009 |
| 80 | 30 | LDR-Biased | 98.91 | 98.896 | -0.014 |
| 81 | 30 | LDR-Biased | 98.917 | 98.9 | -0.017 |
| 82 | 30 | LDR-Unbiased | 98.907 | 98.906 | -0.001 |
| 83 | 30 | LDR-Unbiased | 98.912 | 98.899 | -0.013 |
| 84 | 30 | LDR-Unbiased | 98.907 | 98.897 | -0.01 |
| 85 | 30 | LDR-Unbiased | 98.905 | 98.898 | -0.007 |
| 86 | 30 | LDR-Unbiased | 98.903 | 98.896 | -0.007 |
| 87 | 100 | LDR-Biased | 98.911 | 98.915 | 0.004 |
| 88 | 100 | LDR-Biased | 98.908 | 98.912 | 0.004 |
| 90 | 100 | LDR-Biased | 98.906 | 98.91 | 0.004 |
| 91 | 100 | LDR-Unbiased | 98.909 | 98.908 | -0.001 |
| 93 | 100 | LDR-Unbiased | 98.917 | 98.908 | -0.009 |
| 94 | 100 | LDR-Unbiased | 98.912 | 98.907 | -0.005 |
| 95 | 100 | LDR-Unbiased | 98.902 | 98.906 | 0.004 |
| 96 | 100 | LDR-Unbiased | 98.907 | 98.9 | -0.007 |
| 106 | 50 | LDR-Biased | 98.913 | 98.909 | -0.004 |
| 108 | 50 | LDR-Biased | 98.908 | 98.9 | -0.008 |
| 109 | 50 | LDR-Biased | 98.903 | 98.899 | -0.004 |
| 110 | 50 | LDR-Biased | 98.91 | 98.9 | -0.01 |
| 111 | 50 | LDR-Biased | 98.917 | 98.899 | -0.018 |
| 112 | 50 | LDR-Unbiased | 98.907 | 98.905 | -0.002 |
| 113 | 50 | LDR-Unbiased | 98.912 | 98.899 | -0.013 |
| 115 | 50 | LDR-Unbiased | 98.905 | 98.899 | -0.006 |
| 116 | 50 | LDR-Unbiased | 98.903 | 98.894 | -0.009 |
| 117 | 50 | LDR-Unbiased | 98.907 | 98.896 | -0.011 |

Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.908 | 98.91 | 98.911 | 0.0021213 | 98.908 | 98.91 | 98.911 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 98.903 | 98.909 | 98.917 | 0.0045277 | 98.905 | 98.908 | 98.916 | 0.0031073 | -0.01 | -0.0004 | 0.009 | 0.0052111 |
| 10 | 98.903 | 98.909 | 98.917 | 0.0045277 | 98.891 | 98.893 | 98.899 | 0.0022509 | -0.025 | -0.0153 | -0.008 | 0.0052926 |
| 30 | 98.903 | 98.909 | 98.917 | 0.0045277 | 98.893 | 98.897 | 98.906 | 0.0039101 | -0.02 | -0.0113 | -0.001 | 0.0055986 |
| 50 | 98.903 | 98.909 | 98.917 | 0.0045277 | 98.894 | 98.9 | 98.909 | 0.0042426 | -0.018 | -0.0085 | -0.002 | 0.0048132 |
| 100 | 98.902 | 98.909 | 98.917 | 0.0044721 | 98.9 | 98.908 | 98.915 | 0.004432 | -0.009 | -0.00075 | 0.004 | 0.0055485 |

# Device Test: 6.95 VOH_10mA_EN2/EN2/7/14/0/0/10/@VOH_EN_10MA



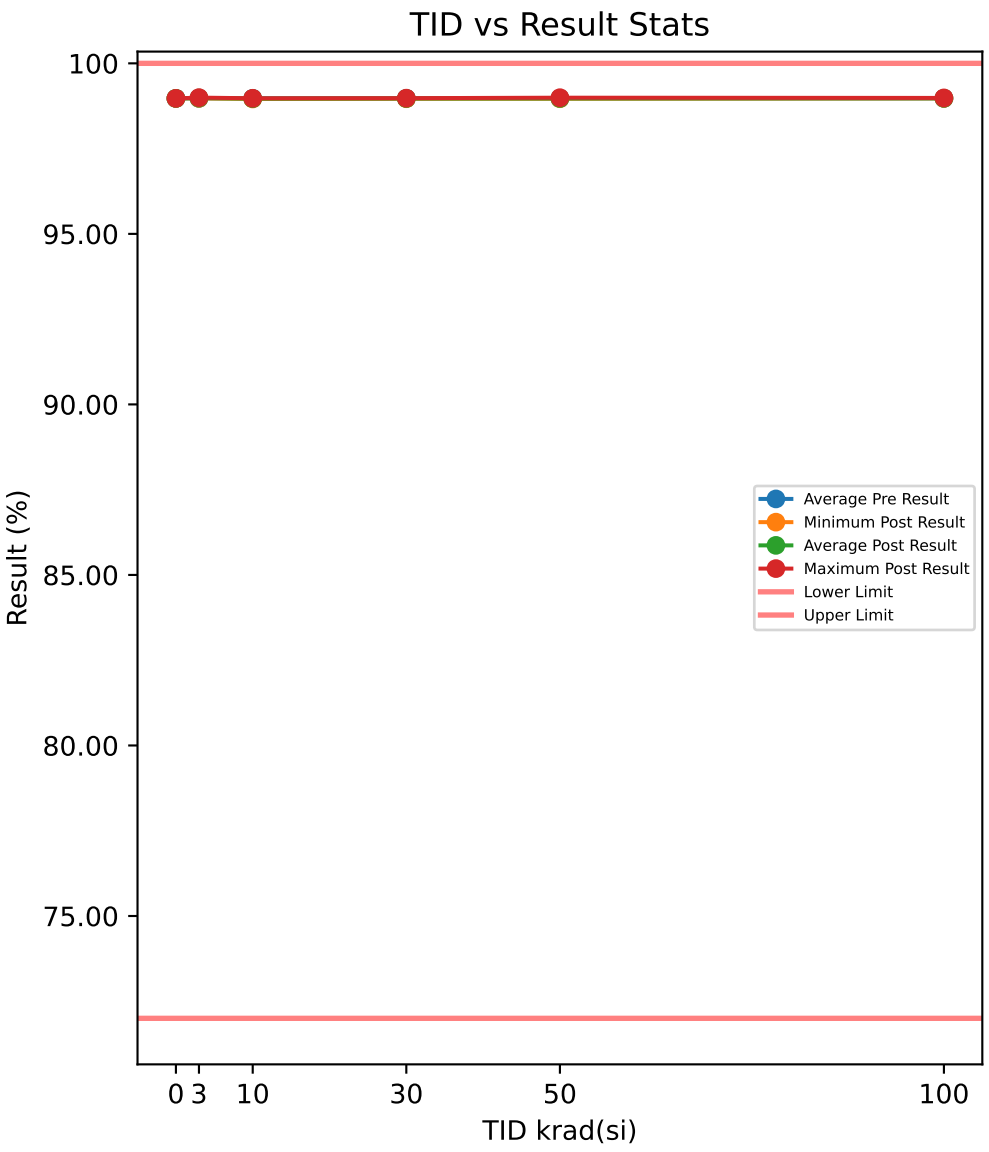

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.927 | 98.927 | 0 |
| 7 | 0 | Correlation | 98.924 | 98.924 | 0 |
| 16 | 3 | LDR-Biased | 98.929 | 98.945 | 0.016 |
| 18 | 3 | LDR-Biased | 98.933 | 98.934 | 0.001 |
| 19 | 3 | LDR-Biased | 98.922 | 98.93 | 0.008 |
| 20 | 3 | LDR-Biased | 98.926 | 98.939 | 0.013 |
| 21 | 3 | LDR-Biased | 98.931 | 98.93 | -0.001 |
| 22 | 3 | LDR-Unbiased | 98.92 | 98.934 | 0.014 |
| 23 | 3 | LDR-Unbiased | 98.936 | 98.931 | -0.005 |
| 25 | 3 | LDR-Unbiased | 98.924 | 98.923 | -0.001 |
| 26 | 3 | LDR-Unbiased | 98.919 | 98.921 | 0.002 |
| 27 | 3 | LDR-Unbiased | 98.924 | 98.93 | 0.006 |
| 46 | 10 | LDR-Biased | 98.929 | 98.925 | -0.004 |
| 48 | 10 | LDR-Biased | 98.933 | 98.916 | -0.017 |
| 49 | 10 | LDR-Biased | 98.922 | 98.913 | -0.009 |
| 50 | 10 | LDR-Biased | 98.926 | 98.923 | -0.003 |
| 51 | 10 | LDR-Biased | 98.931 | 98.913 | -0.018 |
| 52 | 10 | LDR-Unbiased | 98.92 | 98.916 | -0.004 |
| 53 | 10 | LDR-Unbiased | 98.936 | 98.915 | -0.021 |
| 55 | 10 | LDR-Unbiased | 98.924 | 98.906 | -0.018 |
| 56 | 10 | LDR-Unbiased | 98.919 | 98.906 | -0.013 |
| 57 | 10 | LDR-Unbiased | 98.924 | 98.915 | -0.009 |
| 76 | 30 | LDR-Biased | 98.929 | 98.928 | -0.001 |
| 78 | 30 | LDR-Biased | 98.933 | 98.916 | -0.017 |
| 79 | 30 | LDR-Biased | 98.922 | 98.914 | -0.008 |
| 80 | 30 | LDR-Biased | 98.926 | 98.926 | 0 |
| 81 | 30 | LDR-Biased | 98.931 | 98.921 | -0.01 |
| 82 | 30 | LDR-Unbiased | 98.92 | 98.923 | 0.003 |
| 83 | 30 | LDR-Unbiased | 98.936 | 98.92 | -0.016 |
| 84 | 30 | LDR-Unbiased | 98.924 | 98.921 | -0.003 |
| 85 | 30 | LDR-Unbiased | 98.924 | 98.912 | -0.012 |
| 86 | 30 | LDR-Unbiased | 98.919 | 98.911 | -0.008 |
| 87 | 100 | LDR-Biased | 98.93 | 98.928 | -0.002 |
| 88 | 100 | LDR-Biased | 98.925 | 98.927 | 0.002 |
| 90 | 100 | LDR-Biased | 98.93 | 98.926 | -0.004 |
| 91 | 100 | LDR-Unbiased | 98.923 | 98.927 | 0.004 |
| 93 | 100 | LDR-Unbiased | 98.93 | 98.926 | -0.004 |
| 94 | 100 | LDR-Unbiased | 98.928 | 98.932 | 0.004 |
| 95 | 100 | LDR-Unbiased | 98.921 | 98.924 | 0.003 |
| 96 | 100 | LDR-Unbiased | 98.923 | 98.922 | -0.001 |
| 106 | 50 | LDR-Biased | 98.929 | 98.943 | 0.014 |
| 108 | 50 | LDR-Biased | 98.933 | 98.922 | -0.011 |
| 109 | 50 | LDR-Biased | 98.922 | 98.919 | -0.003 |
| 110 | 50 | LDR-Biased | 98.926 | 98.929 | 0.003 |
| 111 | 50 | LDR-Biased | 98.931 | 98.92 | -0.011 |
| 112 | 50 | LDR-Unbiased | 98.92 | 98.921 | 0.001 |
| 113 | 50 | LDR-Unbiased | 98.936 | 98.92 | -0.016 |
| 115 | 50 | LDR-Unbiased | 98.924 | 98.912 | -0.012 |
| 116 | 50 | LDR-Unbiased | 98.919 | 98.908 | -0.011 |
| 117 | 50 | LDR-Unbiased | 98.924 | 98.918 | -0.006 |

Test Statistics (%)

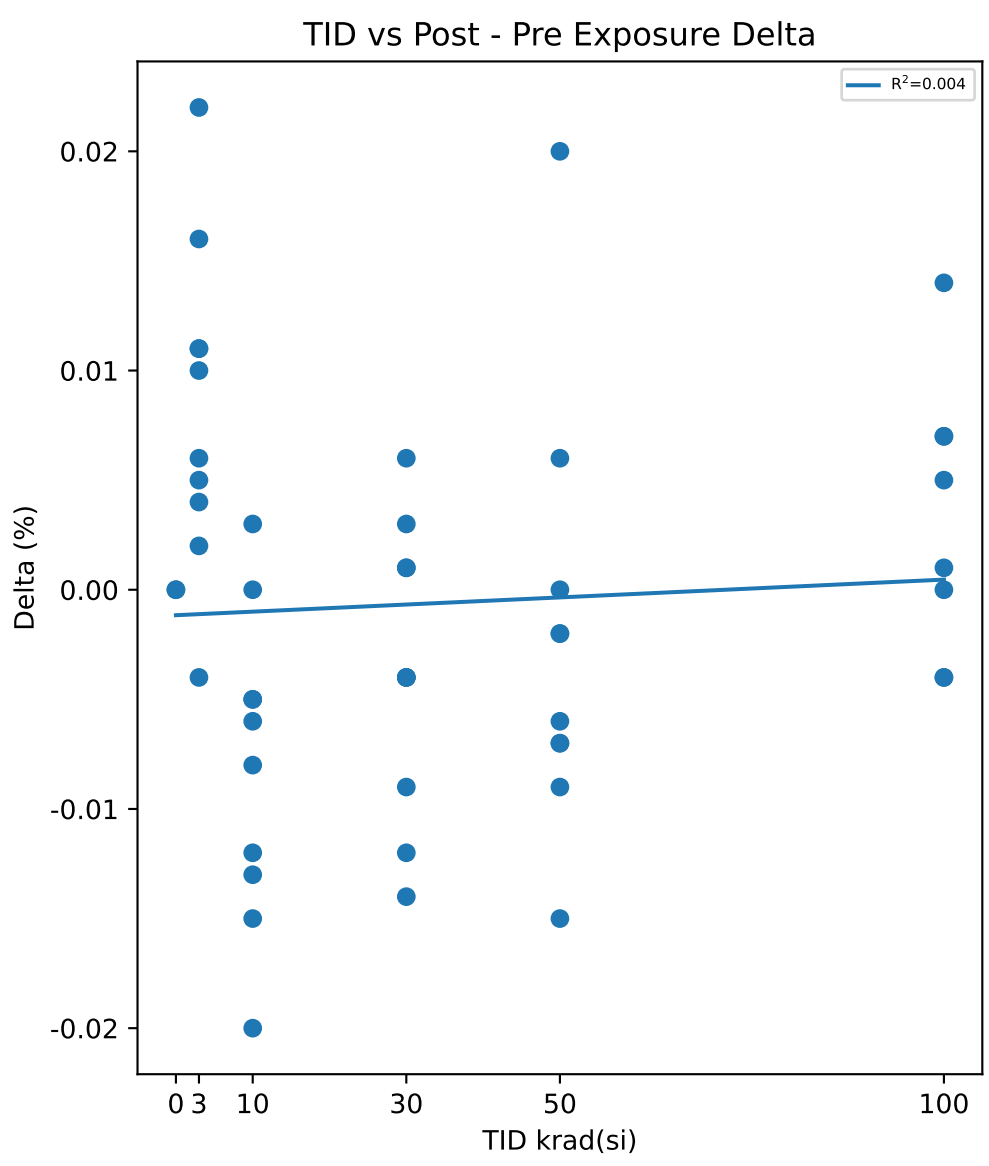
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.924 | 98.925 | 98.927 | 0.0021213 | 98.924 | 98.925 | 98.927 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 98.919 | 98.926 | 98.936 | 0.0056804 | 98.921 | 98.932 | 98.945 | 0.0069929 | -0.005 | 0.0053 | 0.016 | 0.0072426 |
| 10 | 98.919 | 98.926 | 98.936 | 0.0056804 | 98.906 | 98.915 | 98.925 | 0.0061065 | -0.021 | -0.0116 | -0.003 | 0.0067032 |
| 30 | 98.919 | 98.926 | 98.936 | 0.0056804 | 98.911 | 98.919 | 98.928 | 0.0057889 | -0.017 | -0.0072 | 0.003 | 0.0068118 |
| 50 | 98.919 | 98.926 | 98.936 | 0.0056804 | 98.908 | 98.921 | 98.943 | 0.0095079 | -0.016 | -0.0052 | 0.014 | 0.0090897 |
| 100 | 98.921 | 98.926 | 98.93 | 0.0036936 | 98.922 | 98.927 | 98.932 | 0.0029277 | -0.004 | 0.00025 | 0.004 | 0.0034122 |

# Device Test: 6.96 VOH_10mA_EN3/EN3/7/14/0/0/10/@VOH_EN_10MA




Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

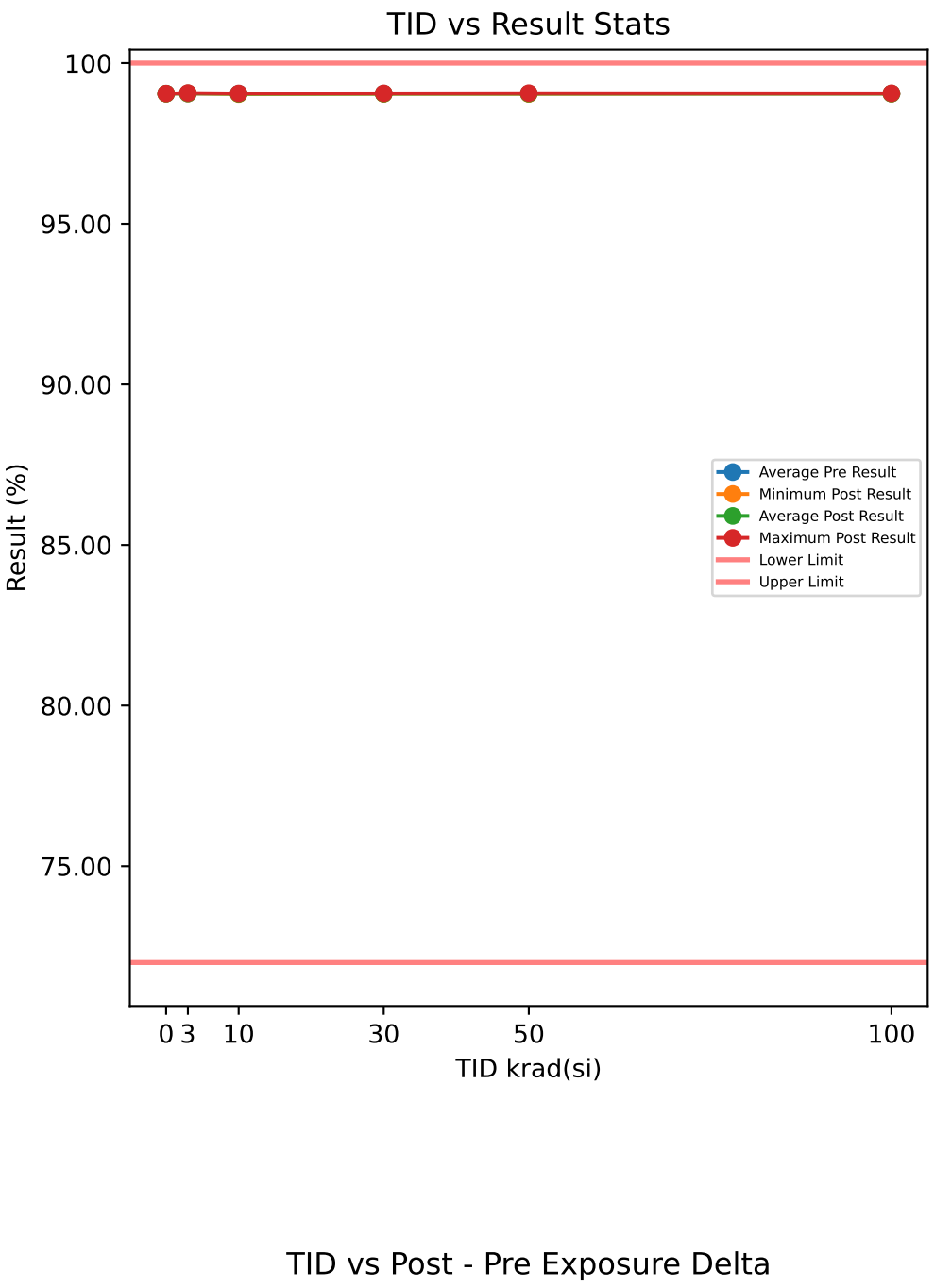
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.972 | 98.972 | 0 |
| 7 | 0 | Correlation | 98.973 | 98.973 | 0 |
| 16 | 3 | LDR-Biased | 98.973 | 98.995 | 0.022 |
| 18 | 3 | LDR-Biased | 98.978 | 98.983 | 0.005 |
| 19 | 3 | LDR-Biased | 98.968 | 98.979 | 0.011 |
| 20 | 3 | LDR-Biased | 98.974 | 98.99 | 0.016 |
| 21 | 3 | LDR-Biased | 98.976 | 98.98 | 0.004 |
| 22 | 3 | LDR-Unbiased | 98.971 | 98.982 | 0.011 |
| 23 | 3 | LDR-Unbiased | 98.984 | 98.98 | -0.004 |
| 25 | 3 | LDR-Unbiased | 98.971 | 98.973 | 0.002 |
| 26 | 3 | LDR-Unbiased | 98.971 | 98.977 | 0.006 |
| 27 | 3 | LDR-Unbiased | 98.972 | 98.982 | 0.01 |
| 46 | 10 | LDR-Biased | 98.973 | 98.976 | 0.003 |
| 48 | 10 | LDR-Biased | 98.978 | 98.965 | -0.013 |
| 49 | 10 | LDR-Biased | 98.968 | 98.963 | -0.005 |
| 50 | 10 | LDR-Biased | 98.974 | 98.974 | 0 |
| 51 | 10 | LDR-Biased | 98.976 | 98.964 | -0.012 |
| 52 | 10 | LDR-Unbiased | 98.971 | 98.965 | -0.006 |
| 53 | 10 | LDR-Unbiased | 98.984 | 98.964 | -0.02 |
| 55 | 10 | LDR-Unbiased | 98.971 | 98.956 | -0.015 |
| 56 | 10 | LDR-Unbiased | 98.971 | 98.963 | -0.008 |
| 57 | 10 | LDR-Unbiased | 98.972 | 98.967 | -0.005 |
| 76 | 30 | LDR-Biased | 98.973 | 98.979 | 0.006 |
| 78 | 30 | LDR-Biased | 98.978 | 98.966 | -0.012 |
| 79 | 30 | LDR-Biased | 98.968 | 98.964 | -0.004 |
| 80 | 30 | LDR-Biased | 98.974 | 98.977 | 0.003 |
| 81 | 30 | LDR-Biased | 98.976 | 98.972 | -0.004 |
| 82 | 30 | LDR-Unbiased | 98.971 | 98.972 | 0.001 |
| 83 | 30 | LDR-Unbiased | 98.984 | 98.97 | -0.014 |
| 84 | 30 | LDR-Unbiased | 98.972 | 98.973 | 0.001 |
| 85 | 30 | LDR-Unbiased | 98.971 | 98.962 | -0.009 |
| 86 | 30 | LDR-Unbiased | 98.971 | 98.967 | -0.004 |
| 87 | 100 | LDR-Biased | 98.979 | 98.975 | -0.004 |
| 88 | 100 | LDR-Biased | 98.968 | 98.973 | 0.005 |
| 90 | 100 | LDR-Biased | 98.976 | 98.972 | -0.004 |
| 91 | 100 | LDR-Unbiased | 98.973 | 98.974 | 0.001 |
| 93 | 100 | LDR-Unbiased | 98.975 | 98.975 | 0 |
| 94 | 100 | LDR-Unbiased | 98.972 | 98.986 | 0.014 |
| 95 | 100 | LDR-Unbiased | 98.97 | 98.977 | 0.007 |
| 96 | 100 | LDR-Unbiased | 98.971 | 98.978 | 0.007 |
| 106 | 50 | LDR-Biased | 98.973 | 98.993 | 0.02 |
| 108 | 50 | LDR-Biased | 98.978 | 98.971 | -0.007 |
| 109 | 50 | LDR-Biased | 98.968 | 98.968 | 0 |
| 110 | 50 | LDR-Biased | 98.974 | 98.98 | 0.006 |
| 111 | 50 | LDR-Biased | 98.976 | 98.97 | -0.006 |
| 112 | 50 | LDR-Unbiased | 98.971 | 98.969 | -0.002 |
| 113 | 50 | LDR-Unbiased | 98.984 | 98.969 | -0.015 |
| 115 | 50 | LDR-Unbiased | 98.971 | 98.962 | -0.009 |
| 116 | 50 | LDR-Unbiased | 98.971 | 98.964 | -0.007 |
| 117 | 50 | LDR-Unbiased | 98.972 | 98.97 | -0.002 |

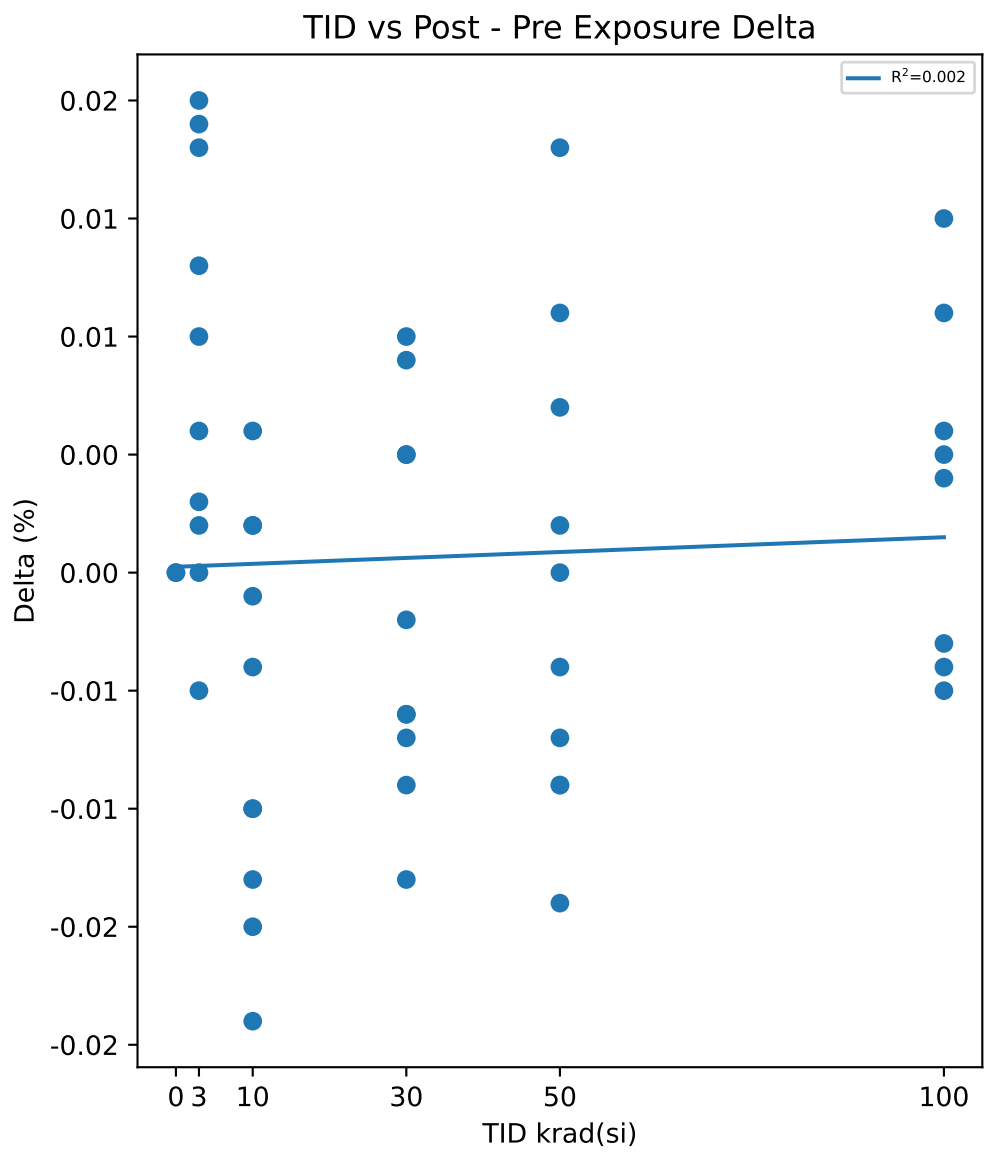



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.972 | 98.972 | 98.973 | 0.00070711 | 98.972 | 98.972 | 98.973 | 0.00070711 | 0 | 0 | 0 | 0 |
| 3 | 98.968 | 98.974 | 98.984 | 0.0045656 | 98.973 | 98.982 | 98.995 | 0.0062973 | -0.004 | 0.0083 | 0.022 | 0.0073794 |
| 10 | 98.968 | 98.974 | 98.984 | 0.0045656 | 98.956 | 98.966 | 98.976 | 0.005697 | -0.02 | -0.0081 | 0.003 | 0.0069992 |
| 30 | 98.968 | 98.974 | 98.984 | 0.0045656 | 98.962 | 98.97 | 98.979 | 0.0054934 | -0.014 | -0.0036 | 0.006 | 0.0065524 |
| 50 | 98.968 | 98.974 | 98.984 | 0.0045656 | 98.962 | 98.972 | 98.993 | 0.0088844 | -0.015 | -0.0022 | 0.02 | 0.0096356 |
| 100 | 98.968 | 98.973 | 98.979 | 0.0035456 | 98.972 | 98.976 | 98.986 | 0.0043997 | -0.004 | 0.00325 | 0.014 | 0.0061818 |

# Device Test: 6.97 VOH_10mA_EN4/EN4/7/14/0/0/10/@VOH_EN_10MA



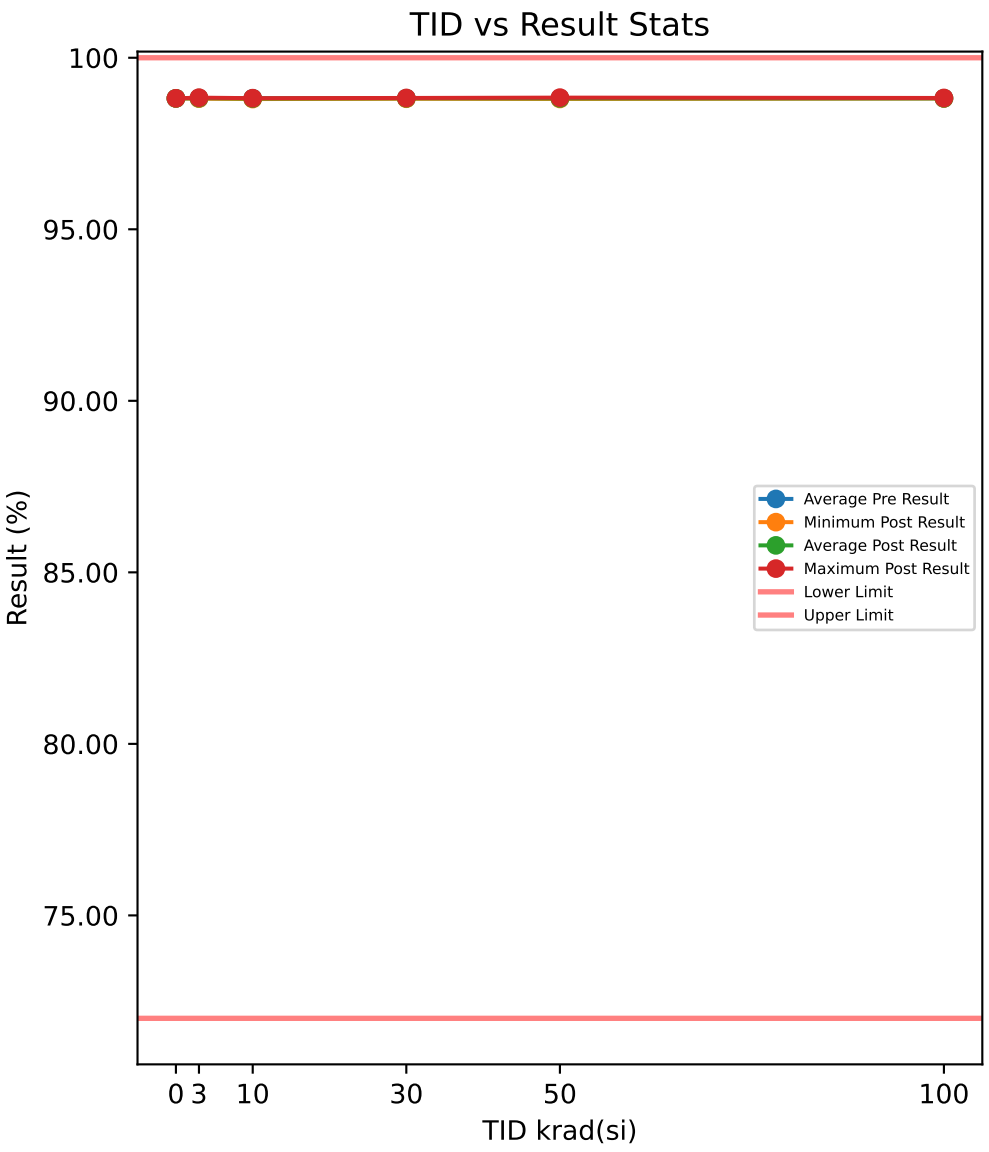

Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 99.047 | 99.047 | 0 |
| 7 | 0 | Correlation | 99.052 | 99.052 | 0 |
| 16 | 3 | LDR-Biased | 99.046 | 99.066 | 0.02 |
| 18 | 3 | LDR-Biased | 99.053 | 99.059 | 0.006 |
| 19 | 3 | LDR-Biased | 99.044 | 99.054 | 0.01 |
| 20 | 3 | LDR-Biased | 99.05 | 99.069 | 0.019 |
| 21 | 3 | LDR-Biased | 99.055 | 99.055 | 0 |
| 22 | 3 | LDR-Unbiased | 99.043 | 99.061 | 0.018 |
| 23 | 3 | LDR-Unbiased | 99.059 | 99.054 | -0.005 |
| 25 | 3 | LDR-Unbiased | 99.047 | 99.05 | 0.003 |
| 26 | 3 | LDR-Unbiased | 99.048 | 99.05 | 0.002 |
| 27 | 3 | LDR-Unbiased | 99.046 | 99.059 | 0.013 |
| 46 | 10 | LDR-Biased | 99.046 | 99.048 | 0.002 |
| 48 | 10 | LDR-Biased | 99.053 | 99.043 | -0.01 |
| 49 | 10 | LDR-Biased | 99.044 | 99.04 | -0.004 |
| 50 | 10 | LDR-Biased | 99.05 | 99.056 | 0.006 |
| 51 | 10 | LDR-Biased | 99.055 | 99.04 | -0.015 |
| 52 | 10 | LDR-Unbiased | 99.043 | 99.045 | 0.002 |
| 53 | 10 | LDR-Unbiased | 99.059 | 99.04 | -0.019 |
| 55 | 10 | LDR-Unbiased | 99.047 | 99.034 | -0.013 |
| 56 | 10 | LDR-Unbiased | 99.048 | 99.038 | -0.01 |
| 57 | 10 | LDR-Unbiased | 99.046 | 99.045 | -0.001 |
| 76 | 30 | LDR-Biased | 99.046 | 99.051 | 0.005 |
| 78 | 30 | LDR-Biased | 99.053 | 99.044 | -0.009 |
| 79 | 30 | LDR-Biased | 99.044 | 99.042 | -0.002 |
| 80 | 30 | LDR-Biased | 99.05 | 99.059 | 0.009 |
| 81 | 30 | LDR-Biased | 99.055 | 99.048 | -0.007 |
| 82 | 30 | LDR-Unbiased | 99.043 | 99.053 | 0.01 |
| 83 | 30 | LDR-Unbiased | 99.059 | 99.046 | -0.013 |
| 84 | 30 | LDR-Unbiased | 99.046 | 99.051 | 0.005 |
| 85 | 30 | LDR-Unbiased | 99.047 | 99.041 | -0.006 |
| 86 | 30 | LDR-Unbiased | 99.048 | 99.042 | -0.006 |
| 87 | 100 | LDR-Biased | 99.054 | 99.051 | -0.003 |
| 88 | 100 | LDR-Biased | 99.042 | 99.048 | 0.006 |
| 90 | 100 | LDR-Biased | 99.051 | 99.046 | -0.005 |
| 91 | 100 | LDR-Unbiased | 99.045 | 99.049 | 0.004 |
| 93 | 100 | LDR-Unbiased | 99.054 | 99.05 | -0.004 |
| 94 | 100 | LDR-Unbiased | 99.045 | 99.06 | 0.015 |
| 95 | 100 | LDR-Unbiased | 99.048 | 99.053 | 0.005 |
| 96 | 100 | LDR-Unbiased | 99.045 | 99.056 | 0.011 |
| 106 | 50 | LDR-Biased | 99.046 | 99.064 | 0.018 |
| 108 | 50 | LDR-Biased | 99.053 | 99.049 | -0.004 |
| 109 | 50 | LDR-Biased | 99.044 | 99.044 | 0 |
| 110 | 50 | LDR-Biased | 99.05 | 99.061 | 0.011 |
| 111 | 50 | LDR-Biased | 99.055 | 99.046 | -0.009 |
| 112 | 50 | LDR-Unbiased | 99.043 | 99.05 | 0.007 |
| 113 | 50 | LDR-Unbiased | 99.059 | 99.045 | -0.014 |
| 115 | 50 | LDR-Unbiased | 99.047 | 99.04 | -0.007 |
| 116 | 50 | LDR-Unbiased | 99.048 | 99.039 | -0.009 |
| 117 | 50 | LDR-Unbiased | 99.046 | 99.048 | 0.002 |

Test Statistics (%)

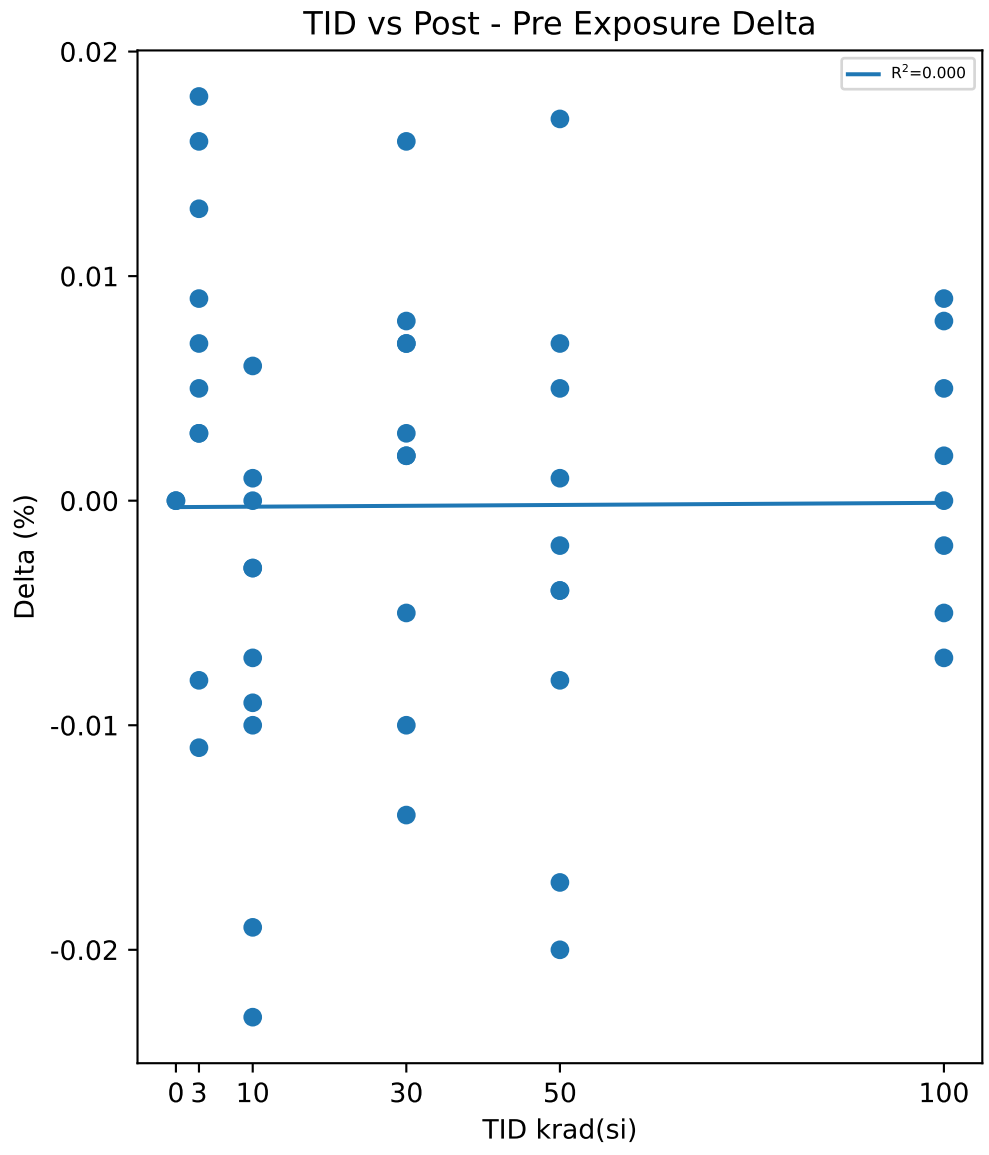
| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 99.047 | 99.049 | 99.052 | 0.0035355 | 99.047 | 99.049 | 99.052 | 0.0035355 | 0 | 0 | 0 | 0 |
| 3 | 99.043 | 99.049 | 99.059 | 0.0051305 | 99.05 | 99.058 | 99.069 | 0.0063605 | -0.005 | 0.0086 | 0.02 | 0.0087458 |
| 10 | 99.043 | 99.049 | 99.059 | 0.0051305 | 99.034 | 99.043 | 99.056 | 0.0061001 | -0.019 | -0.0062 | 0.006 | 0.0083772 |
| 30 | 99.043 | 99.049 | 99.059 | 0.0051305 | 99.041 | 99.048 | 99.059 | 0.0058128 | -0.013 | -0.0014 | 0.01 | 0.0080719 |
| 50 | 99.043 | 99.049 | 99.059 | 0.0051305 | 99.039 | 99.049 | 99.064 | 0.0081677 | -0.014 | -0.0005 | 0.018 | 0.010102 |
| 100 | 99.042 | 99.048 | 99.054 | 0.0045356 | 99.046 | 99.052 | 99.06 | 0.004565 | -0.005 | 0.003625 | 0.015 | 0.0072494 |

# Device Test: 6.98 VOH_10mA_SEQ/SEQ_DONE/7/14/0/0/10/@VOH_SEQ_DONE_10MA




Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

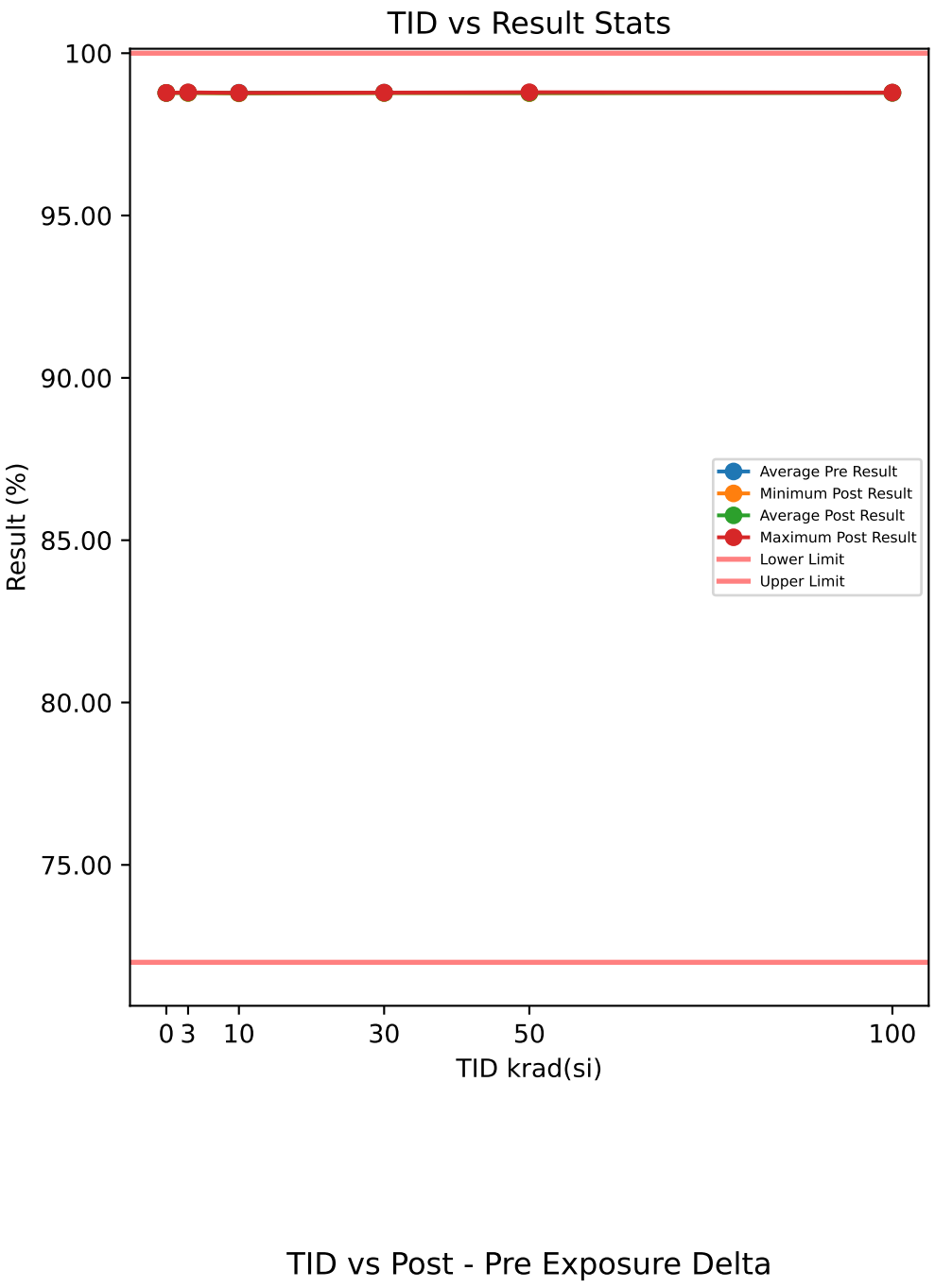
| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.815 | 98.815 | 0 |
| 7 | 0 | Correlation | 98.818 | 98.818 | 0 |
| 16 | 3 | LDR-Biased | 98.821 | 98.837 | 0.016 |
| 18 | 3 | LDR-Biased | 98.823 | 98.828 | 0.005 |
| 19 | 3 | LDR-Biased | 98.813 | 98.822 | 0.009 |
| 20 | 3 | LDR-Biased | 98.817 | 98.83 | 0.013 |
| 21 | 3 | LDR-Biased | 98.82 | 98.823 | 0.003 |
| 22 | 3 | LDR-Unbiased | 98.812 | 98.83 | 0.018 |
| 23 | 3 | LDR-Unbiased | 98.828 | 98.82 | -0.008 |
| 25 | 3 | LDR-Unbiased | 98.819 | 98.808 | -0.011 |
| 26 | 3 | LDR-Unbiased | 98.815 | 98.818 | 0.003 |
| 27 | 3 | LDR-Unbiased | 98.813 | 98.82 | 0.007 |
| 46 | 10 | LDR-Biased | 98.821 | 98.822 | 0.001 |
| 48 | 10 | LDR-Biased | 98.823 | 98.814 | -0.009 |
| 49 | 10 | LDR-Biased | 98.813 | 98.81 | -0.003 |
| 50 | 10 | LDR-Biased | 98.817 | 98.817 | 0 |
| 51 | 10 | LDR-Biased | 98.82 | 98.81 | -0.01 |
| 52 | 10 | LDR-Unbiased | 98.812 | 98.818 | 0.006 |
| 53 | 10 | LDR-Unbiased | 98.828 | 98.809 | -0.019 |
| 55 | 10 | LDR-Unbiased | 98.819 | 98.796 | -0.023 |
| 56 | 10 | LDR-Unbiased | 98.815 | 98.808 | -0.007 |
| 57 | 10 | LDR-Unbiased | 98.813 | 98.81 | -0.003 |
| 76 | 30 | LDR-Biased | 98.821 | 98.828 | 0.007 |
| 78 | 30 | LDR-Biased | 98.823 | 98.818 | -0.005 |
| 79 | 30 | LDR-Biased | 98.813 | 98.815 | 0.002 |
| 80 | 30 | LDR-Biased | 98.817 | 98.825 | 0.008 |
| 81 | 30 | LDR-Biased | 98.82 | 98.823 | 0.003 |
| 82 | 30 | LDR-Unbiased | 98.812 | 98.828 | 0.016 |
| 83 | 30 | LDR-Unbiased | 98.828 | 98.818 | -0.01 |
| 84 | 30 | LDR-Unbiased | 98.813 | 98.82 | 0.007 |
| 85 | 30 | LDR-Unbiased | 98.819 | 98.805 | -0.014 |
| 86 | 30 | LDR-Unbiased | 98.815 | 98.817 | 0.002 |
| 87 | 100 | LDR-Biased | 98.821 | 98.819 | -0.002 |
| 88 | 100 | LDR-Biased | 98.815 | 98.815 | 0 |
| 90 | 100 | LDR-Biased | 98.82 | 98.813 | -0.007 |
| 91 | 100 | LDR-Unbiased | 98.815 | 98.82 | 0.005 |
| 93 | 100 | LDR-Unbiased | 98.82 | 98.815 | -0.005 |
| 94 | 100 | LDR-Unbiased | 98.82 | 98.828 | 0.008 |
| 95 | 100 | LDR-Unbiased | 98.818 | 98.82 | 0.002 |
| 96 | 100 | LDR-Unbiased | 98.812 | 98.821 | 0.009 |
| 106 | 50 | LDR-Biased | 98.821 | 98.838 | 0.017 |
| 108 | 50 | LDR-Biased | 98.823 | 98.819 | -0.004 |
| 109 | 50 | LDR-Biased | 98.813 | 98.814 | 0.001 |
| 110 | 50 | LDR-Biased | 98.817 | 98.822 | 0.005 |
| 111 | 50 | LDR-Biased | 98.82 | 98.816 | -0.004 |
| 112 | 50 | LDR-Unbiased | 98.812 | 98.819 | 0.007 |
| 113 | 50 | LDR-Unbiased | 98.828 | 98.811 | -0.017 |
| 115 | 50 | LDR-Unbiased | 98.819 | 98.799 | -0.02 |
| 116 | 50 | LDR-Unbiased | 98.815 | 98.807 | -0.008 |
| 117 | 50 | LDR-Unbiased | 98.813 | 98.811 | -0.002 |

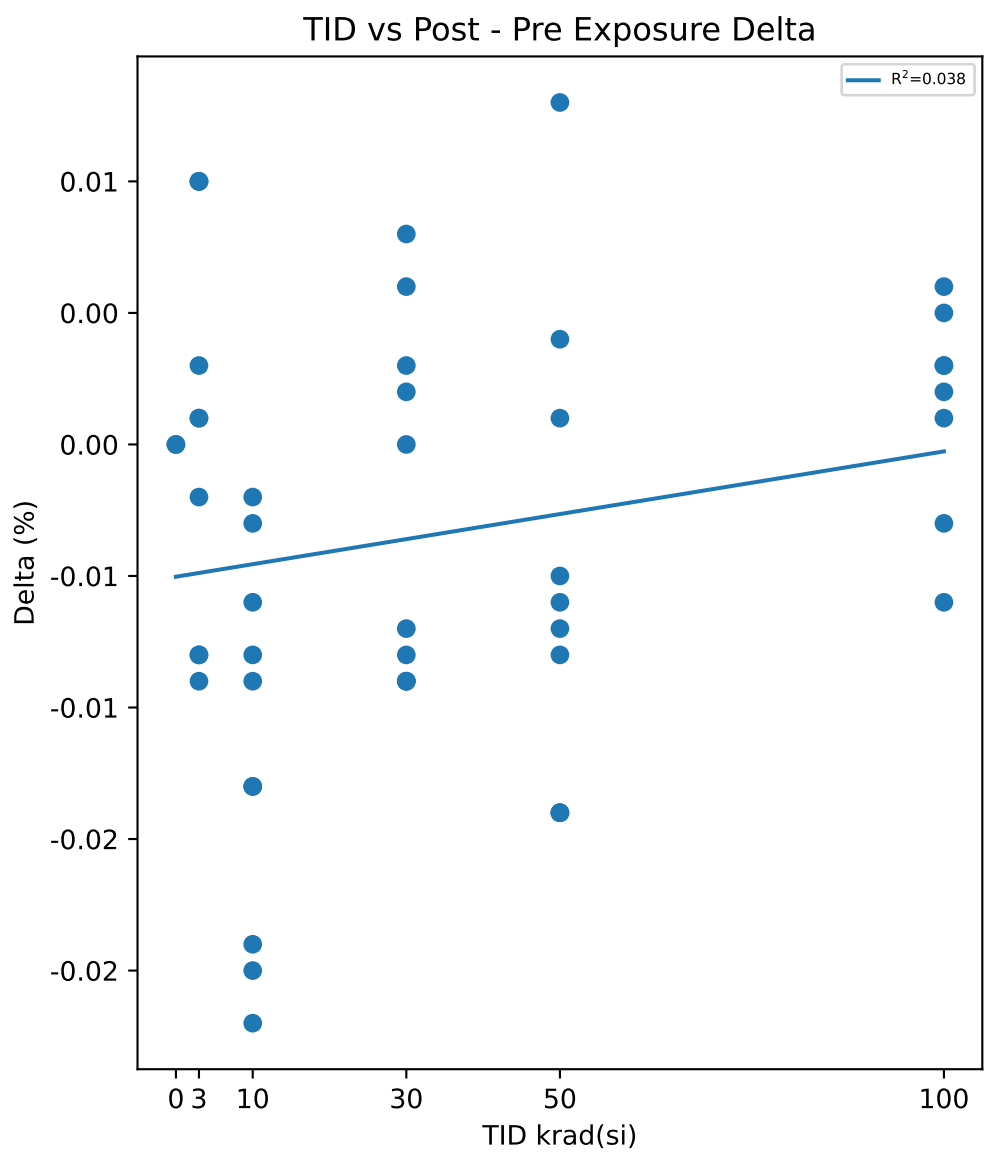



Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.815 | 98.816 | 98.818 | 0.0021213 | 98.815 | 98.816 | 98.818 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 98.812 | 98.818 | 98.828 | 0.0051088 | 98.808 | 98.824 | 98.837 | 0.0080581 | -0.011 | 0.0055 | 0.018 | 0.0094546 |
| 10 | 98.812 | 98.818 | 98.828 | 0.0051088 | 98.796 | 98.811 | 98.822 | 0.0071056 | -0.023 | -0.0067 | 0.006 | 0.0089821 |
| 30 | 98.812 | 98.818 | 98.828 | 0.0051088 | 98.805 | 98.82 | 98.828 | 0.0068969 | -0.014 | 0.0016 | 0.016 | 0.0090086 |
| 50 | 98.812 | 98.818 | 98.828 | 0.0051088 | 98.799 | 98.816 | 98.838 | 0.01033 | -0.02 | -0.0025 | 0.017 | 0.011008 |
| 100 | 98.812 | 98.818 | 98.821 | 0.0032486 | 98.813 | 98.819 | 98.828 | 0.0047037 | -0.007 | 0.00125 | 0.009 | 0.0058493 |

# Device Test: 6.99 VOH_10mA_PWRGD/PWRGD/7/14/0/0/10/@VOH_PWRGD_10MA




Test Results (Lower Limit = 72.0, Upper Limit = 100.0 (%))

| Serial # | krad(si) | Exposure Conditions | Pre Result | Post Result | Delta |
|---|---|---|---|---|---|
| 6 | 0 | Correlation | 98.778 | 98.778 | 0 |
| 7 | 0 | Correlation | 98.775 | 98.775 | 0 |
| 16 | 3 | LDR-Biased | 98.784 | 98.794 | 0.01 |
| 18 | 3 | LDR-Biased | 98.785 | 98.786 | 0.001 |
| 19 | 3 | LDR-Biased | 98.78 | 98.778 | -0.002 |
| 20 | 3 | LDR-Biased | 98.777 | 98.787 | 0.01 |
| 21 | 3 | LDR-Biased | 98.786 | 98.777 | -0.009 |
| 22 | 3 | LDR-Unbiased | 98.777 | 98.787 | 0.01 |
| 23 | 3 | LDR-Unbiased | 98.788 | 98.78 | -0.008 |
| 25 | 3 | LDR-Unbiased | 98.782 | 98.774 | -0.008 |
| 26 | 3 | LDR-Unbiased | 98.778 | 98.779 | 0.001 |
| 27 | 3 | LDR-Unbiased | 98.777 | 98.78 | 0.003 |
| 46 | 10 | LDR-Biased | 98.784 | 98.778 | -0.006 |
| 48 | 10 | LDR-Biased | 98.785 | 98.772 | -0.013 |
| 49 | 10 | LDR-Biased | 98.78 | 98.767 | -0.013 |
| 50 | 10 | LDR-Biased | 98.777 | 98.775 | -0.002 |
| 51 | 10 | LDR-Biased | 98.786 | 98.764 | -0.022 |
| 52 | 10 | LDR-Unbiased | 98.777 | 98.774 | -0.003 |
| 53 | 10 | LDR-Unbiased | 98.788 | 98.768 | -0.02 |
| 55 | 10 | LDR-Unbiased | 98.782 | 98.763 | -0.019 |
| 56 | 10 | LDR-Unbiased | 98.778 | 98.769 | -0.009 |
| 57 | 10 | LDR-Unbiased | 98.777 | 98.769 | -0.008 |
| 76 | 30 | LDR-Biased | 98.784 | 98.786 | 0.002 |
| 78 | 30 | LDR-Biased | 98.785 | 98.777 | -0.008 |
| 79 | 30 | LDR-Biased | 98.78 | 98.773 | -0.007 |
| 80 | 30 | LDR-Biased | 98.777 | 98.783 | 0.006 |
| 81 | 30 | LDR-Biased | 98.786 | 98.777 | -0.009 |
| 82 | 30 | LDR-Unbiased | 98.777 | 98.785 | 0.008 |
| 83 | 30 | LDR-Unbiased | 98.788 | 98.779 | -0.009 |
| 84 | 30 | LDR-Unbiased | 98.777 | 98.78 | 0.003 |
| 85 | 30 | LDR-Unbiased | 98.782 | 98.773 | -0.009 |
| 86 | 30 | LDR-Unbiased | 98.778 | 98.778 | 0 |
| 87 | 100 | LDR-Biased | 98.78 | 98.782 | 0.002 |
| 88 | 100 | LDR-Biased | 98.778 | 98.781 | 0.003 |
| 90 | 100 | LDR-Biased | 98.783 | 98.78 | -0.003 |
| 91 | 100 | LDR-Unbiased | 98.78 | 98.781 | 0.001 |
| 93 | 100 | LDR-Unbiased | 98.786 | 98.78 | -0.006 |
| 94 | 100 | LDR-Unbiased | 98.783 | 98.788 | 0.005 |
| 95 | 100 | LDR-Unbiased | 98.778 | 98.781 | 0.003 |
| 96 | 100 | LDR-Unbiased | 98.776 | 98.782 | 0.006 |
| 106 | 50 | LDR-Biased | 98.784 | 98.797 | 0.013 |
| 108 | 50 | LDR-Biased | 98.785 | 98.779 | -0.006 |
| 109 | 50 | LDR-Biased | 98.78 | 98.772 | -0.008 |
| 110 | 50 | LDR-Biased | 98.777 | 98.781 | 0.004 |
| 111 | 50 | LDR-Biased | 98.786 | 98.772 | -0.014 |
| 112 | 50 | LDR-Unbiased | 98.777 | 98.778 | 0.001 |
| 113 | 50 | LDR-Unbiased | 98.788 | 98.774 | -0.014 |
| 115 | 50 | LDR-Unbiased | 98.782 | 98.768 | -0.014 |
| 116 | 50 | LDR-Unbiased | 98.778 | 98.771 | -0.007 |
| 117 | 50 | LDR-Unbiased | 98.777 | 98.772 | -0.005 |

## Test Statistics (%)

| krad(si) | Pre Exposure Min | Pre Exposure Avg | Pre Exposure Max | Pre Exposure Std | Post Exposure Min | Post Exposure Avg | Post Exposure Max | Post Exposure Std | Min Delta | Avg Delta | Max Delta | Std Delta |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 98.775 | 98.776 | 98.778 | 0.0021213 | 98.775 | 98.776 | 98.778 | 0.0021213 | 0 | 0 | 0 | 0 |
| 3 | 98.777 | 98.781 | 98.788 | 0.0041687 | 98.774 | 98.782 | 98.794 | 0.00607 | -0.009 | 0.0008 | 0.01 | 0.0075836 |
| 10 | 98.777 | 98.781 | 98.788 | 0.0041687 | 98.763 | 98.77 | 98.778 | 0.0048178 | -0.022 | -0.0115 | -0.002 | 0.0071063 |
| 30 | 98.777 | 98.781 | 98.788 | 0.0041687 | 98.773 | 98.779 | 98.786 | 0.004508 | -0.009 | -0.0023 | 0.008 | 0.0067995 |
| 50 | 98.777 | 98.781 | 98.788 | 0.0041687 | 98.768 | 98.776 | 98.797 | 0.0082892 | -0.014 | -0.005 | 0.013 | 0.0088066 |
| 100 | 98.776 | 98.781 | 98.786 | 0.003295 | 98.78 | 98.782 | 98.788 | 0.0025877 | -0.006 | 0.001375 | 0.006 | 0.0040333 |

# 7 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

| Changes from Revision * (April 2024) to Revision A (June 2026) | Page |
|---|---|
| • Added Appendix B data | 11 |



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