



ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for the Texas Instruments TPS7H5031-SEP radiation-hardness-assured PWM controller with integrated gate driver. The study was done to determine TID effects at 50krad(Si) high dose rate (HDR). The results show that all samples pass within device specified test limits.

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Trademarks

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1 Device Information

1.1 Product Description

The TPS7H5031 is a radiation-hardness-assured, current mode, single-ended PWM controller with an integrated gate driver that can be utilized in silicon power semiconductor-based converter designs. The TPS7H5031 integrates several key functions, such as soft-start, enable, and adjustable slope compensation while maintaining a small package size. The controller also features a $0.6V \pm 1\%$ voltage reference tolerance to support highly accurate power converter designs. The TPS7H5031-SEP is packaged in a plastic 24-pin HTSSOP PWP package.

1.2 Device Details

Testing was performed per MIL-STD-883, Test Method 1019, with a sample size per MIL-PRF-38535, Appendix C, test condition A (high dose rate).

Table 1-1. Device and Exposure Details

RHA TID Details: Up to 50krad(Si)	
TI Device	TPS7H5031-SEP
TI Part Number	TPS7H5031MPWPTSEP
Device Function	PWM Controller with Integrated Gate Driver
Package	24-pin HTSSOP-PWP
Technology	LBC7 (250nm Linear BiCMOS)
Quantity tested	HDR : <ul style="list-style-type: none"> • 15 biased units from 20krad(Si) to 50krad(Si) • 15 unbiased units from 20krad(Si) to 50krad(Si) • 5 Correlation units
Lot Accept/Reject	Passes up to 50krad(Si); no observed fails
HDR Radiation Facility	Texas Instruments CLAB Dallas, Texas
Die Lot Number and Assembly Lot Number	DIE: 5133889 Assembly: 5241187
HDR Dose Rate	149.3915rad(Si)/s
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation and Test Temperature	Ambient, room temperature controlled to $25^{\circ}C \pm 6^{\circ}C$ per MIL-STD-883 and MIL-STD-750



Figure 1-1. Device Used in Exposure (Front)

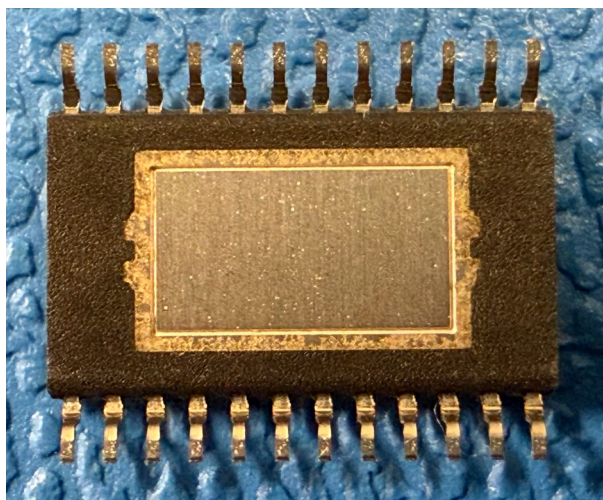


Figure 1-2. Device Used in Exposure (Back)

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H5031-SEP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, condition A was used. For this test, 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 TPS7H5031-SEP HDR exposure was performed on biased devices in a Co-60 Gammacell at the TI Dallas C-Lab facility in Dallas, Texas. The unattenuated dose rate of this cell is 149.3915rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and post-radiation electrical testing at TI's Dallas Forest Lane facility. Test limit guard bands are set within SMD electrical test limits.

Post-radiation measurements were taken within 30 minutes after removing device 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

[HDR TID Hardware](#) through [HDR TID Bias Diagram](#) are shown for the biased HDR test conditions.

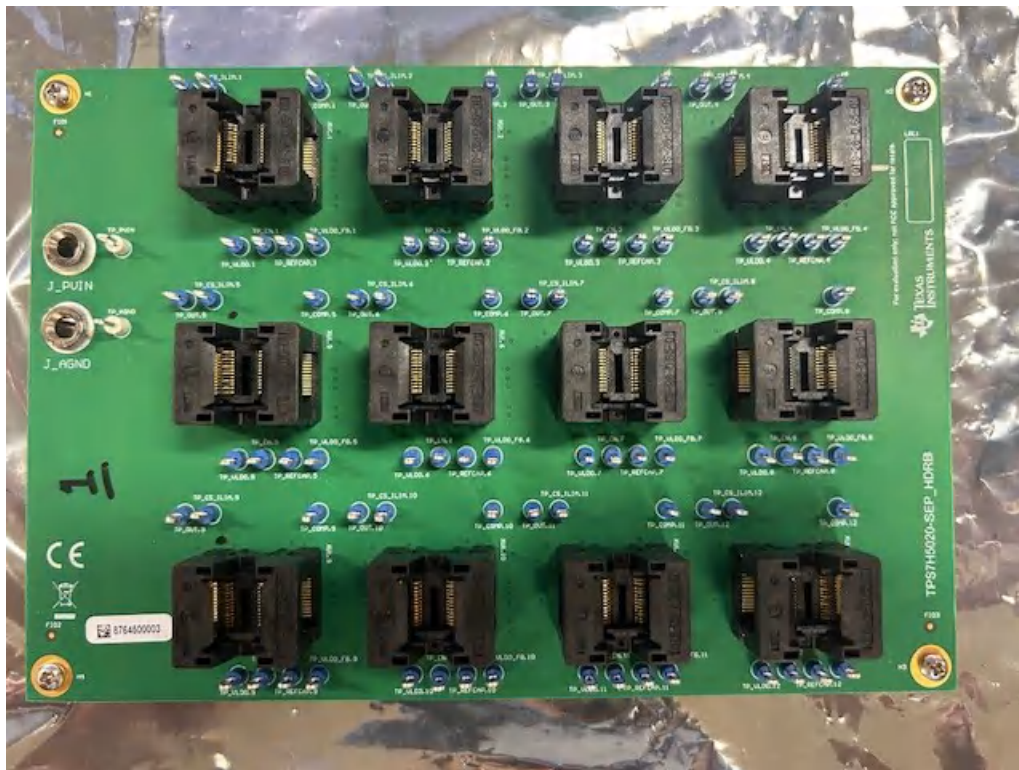


Figure 2-1. HDR TID Hardware

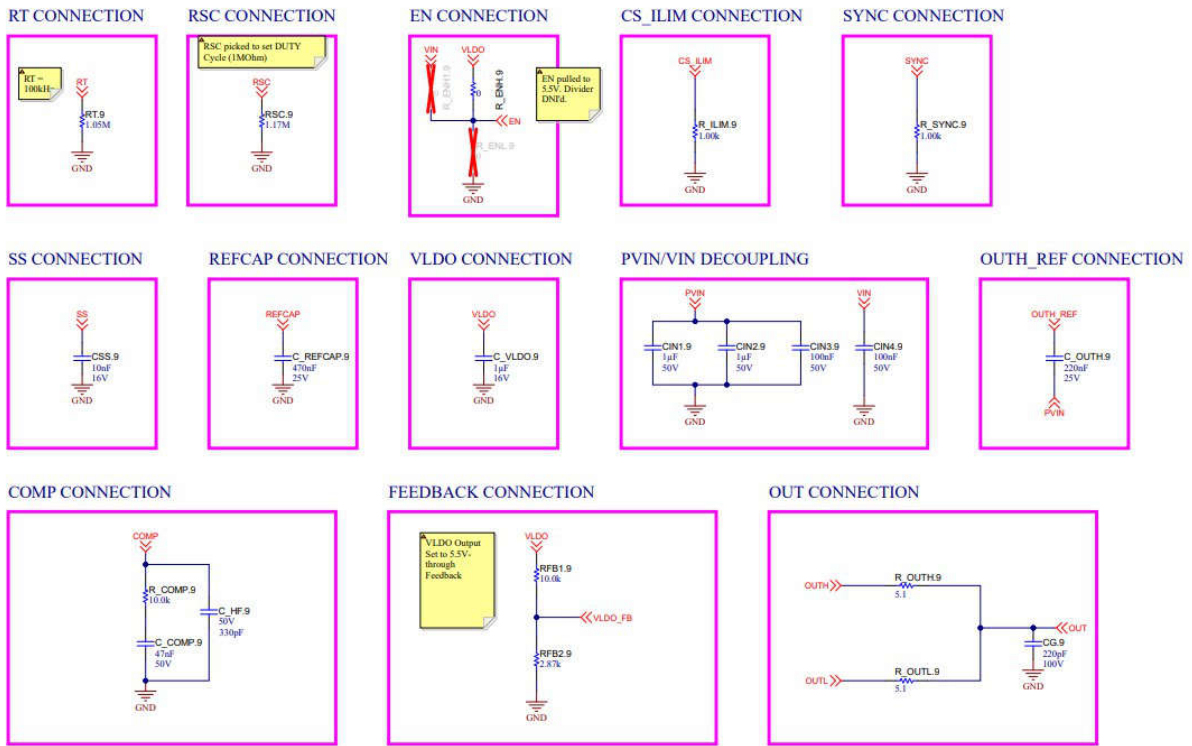


Figure 2-2. Supplies and GND HDR TID Bias Diagram

SITE - SOCKET PIN MAPPING

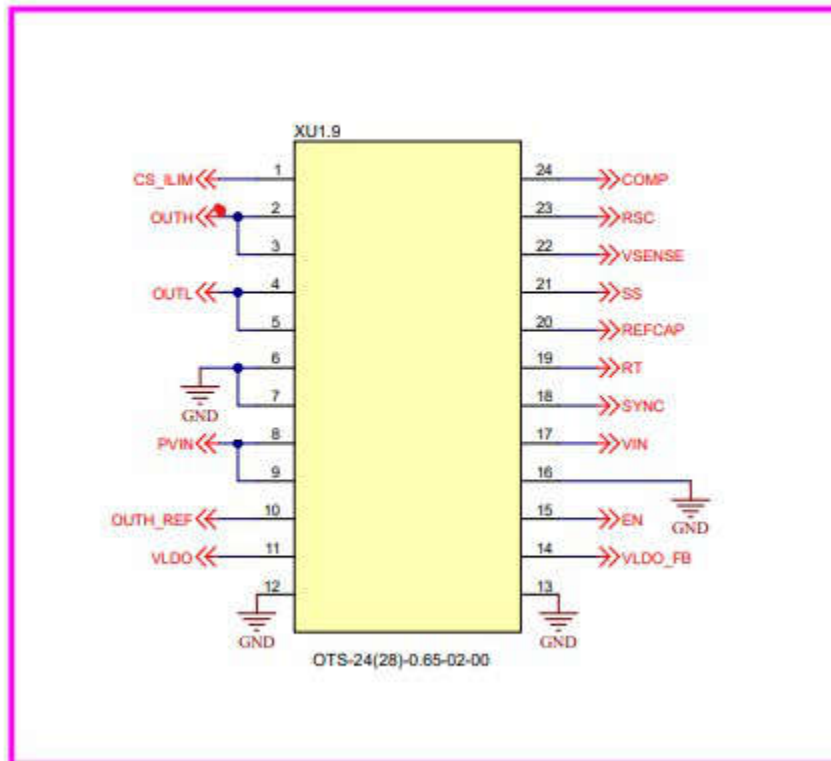


Figure 2-3. HDR TID Bias Diagram (VLDO_FB Not used on TPS7H5031-SEP)

2.4 Test Configuration and Conditions

HDR devices were stressed up to 50krad(Si) for biased and unbiased conditions.

Table 2-1. HDR Biased Device Information

Total Samples: 15 units + 5 control			
Exposure Levels:			
Control	20krad(Si)	30krad(Si)	50krad (Si)
558, 1056, 1099, 1737, 1748	724, 1297, 1337, 1401, 1794	1359, 1398, 1662, 1703, 1736	744, 799, 1411, 1474, 1504

Table 2-2. HDR Unbiased Device Information

Total Samples: 15 units + 5 control			
Exposure Levels:			
Control	20krad(Si)	30krad(Si)	50krad (Si)
558, 1056, 1099, 1737, 1748	365, 371, 383, 964, 1500	444, 509, 842, 1331, 1375,	390, 930, 1095, 1215, 1229

3 TID Characterization Test Results

3.1 TID Characterization Results Summary

The results show that all TPS7H5031-SEP devices were fully functional and within specification limits up to 50krad(Si) HDR. Overall the TPS7H5031-SEP show a strong degree of hardness to TID HDR exposure levels at 50krad(Si) under biased and unbiased conditions. Performance is measured based on the difference between pre- and post-irradiation with respect to SMD electrical minimum and maximum specification. 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. (see [Datasheet Electrical Parameters](#) for the electrical parameters). Note that test numbers are listed only for parameters tested post-TID.

See [Appendix: HDR TID Report](#) for HDR report.

3.2 Datasheet Electrical Parameters

Specifications are at ambient temperature $T_A = 25^\circ\text{C}$, $P_{VIN}=V_{IN}=14\text{V}$ unless otherwise noted. Parameters not listed in the table are omitted either because there is no parametric data or because verification was done through bench testing. Parameters without MIN and MAX values are functionally assured by ATE testing.

Table 3-1. TPS7H5031-SEP Data Sheet Electrical Parameters

PARAMETER	TEST CONDITIONS		MIN	TYP	MAX	UNIT	Test #	
SUPPLY VOLTAGES AND CURRENTS								
IDD	Operating supply current	No load for OUT, $P_{VIN} = V_{IN}$	$f_{SW} = 100\text{kHz}$		6.8	11	mA	14.3, 14.4, 14.16
			$f_{SW} = 500\text{kHz}$		8.5	17		14.5, 14.7, 14.18
		CLOAD = 1000pF for OUT, $P_{VIN} = V_{IN}$	$f_{SW} = 100\text{kHz}$		8.5	12	mA	14.2
			$f_{SW} = 500\text{kHz}$		14.5	22		14.21
IDD(dis)	Standby current	EN = 0V				8	mA	14.6, 14.8, 14.19
VLDO	Internal linear regulator output voltage	$C_{VLDO} = 1\mu\text{F}$	$8\text{V} \leq V_{IN} \leq 14\text{V}$	4.8	5	5.2	V	15.15, 15.16, 15.17
VLDO_DO	Internal linear dropout voltage	$I_{VLDO} = 25\text{mA}$, $C_{VLDO} = 1\mu\text{F}$				0.5	V	15.19, 15.20, 15.21
ENABLE AND UNDERVOLTAGE LOCKOUT								
VENR	Enable rising threshold			0.57	0.63	0.66	V	16.7, 16.10, 16.17
VENF	Enable falling threshold			0.48	0.52	0.55	V	16.8, 16.11, 16.18
IEN	Enable input leakage current	$V_{IN} = 14\text{V}$	EN = 1V		1	100	nA	16.13, 16.15
			EN = 7V		30	700		16.14, 16.16
PVINUVLOR	PVIN UVLO rising			7.2	7.5	7.8	V	17.13, 17.19
PVINUVLOF	PVIN UVLO falling			6.9	7.2	7.5	V	17.14, 17.20
VINUVLOR	VIN UVLO rising			7.2	7.5	7.8	V	17.16, 17.22
VINUVLOF	VIN UVLO falling			6.9	7.2	7.5	V	17.17, 17.23
VLDOUVLOR	VLDO UVLO rising			3.65	3.77	3.95	V	17.7, 17.10
VLDOUVLOF	VLDO UVLO falling			3.45	3.59	3.75	V	17.8, 17.11
SOFT START								
ISS	Soft-start current	SS = 0.3V		2	2.8	3.4	μA	18.9, 18.13, 18.17, 18.21, 18.25, 18.29
ERROR AMPLIFIER								
EAgm	Error amplifier transconductance	$-10\mu\text{A} < I_{COMP} < 10\mu\text{A}$, $V_{(COMP)} = 1\text{V}$		1100	1750	2700	$\mu\text{A/V}$	19.9, 19.13, 19.39
EAISRC	Error amplifier source current	$V_{(COMP)} = 1\text{V}$, 100mV input overdrive		95		210	μA	19.10, 19.14, 19.40
EAISNK	Error amplifier sink current	$V_{(COMP)} = 1\text{V}$, 100mV input overdrive		95		210	μA	19.11, 19.15, 19.41

Table 3-1. TPS7H5031-SEP Data Sheet Electrical Parameters (continued)

PARAMETER		TEST CONDITIONS		MIN	TYP	MAX	UNIT	Test #
EAOS	Error amplifier input offset voltage			-5		6	mV	19.21, 19.24, 19.27, 19.30, 19.46, 19.49
EAIB	Error amplifier input bias current					25	nA	19.12, 19.16, 19.17, 19.18, 19.42, 19.43
OSCILLATOR								
DTINT	External clock to internal clock detection time	RT populated			2	5	(1/fsw) s	20.84, 20.86, 20.88, 20.90, 20.92, 20.94, 20.120, 20.122, 20.124
DTEXT	Internal clock to external clock detection time	RT populated			2	5	(1/fsw) s	20.72, 20.74, 20.76, 20.78, 20.80, 20.82, 20.114, 20.116, 20.118
fsw	RT programmed switching frequency	RT = 1.18M Ω		80	95	110	kHz	20.27, 20.31, 20.47, 20.49, 20.97, 20.107
		RT = 560k Ω		175	195	220	kHz	20.35, 20.37, 20.51, 20.53, 20.101, 20.109
		RT = 210k Ω		450	500	550	kHz	20.39, 20.43, 20.55, 20.57, 20.103, 20.111
VOLTAGE REFERENCE								
VREF	Internal voltage reference	Measured at COMP, COMP = VSENSE	TA = 25°C	0.597	0.6	0.603	V	19.19, 19.22, 19.25, 19.28, 19.31, 19.33, 19.35, 19.37, 19.44, 19.47, 19.50, 19.52
REFCAP	REFCAP voltage	CREFCAP = 470nF		1.208	1.223	1.235	V	21.5, 21.7, 21.9, 21.11, 21.13, 21.15, 21.17, 21.19, 21.23, 21.25, 21.27, 21.29
CURRENT SENSE								
CCSR	COMP to CS_ILIM ratio	RSC = open		1.94	2	2.06		28.3, 28.4, 28.15
VCS_ILIM	Current limit (overcurrent) threshold			0.96	1	1.04	V	28.7, 28.8, 28.9, 28.10, 28.17, 28.18
	CS_ILIM to OUT delay	CS_ILIM = 1V to 90% of OUT falling			65	115	ns	28.11, 28.12, 28.13, 28.14, 28.19, 28.20
GATE DRIVER								
VOL	Low-level voltage	IOL = 50mA			0.08	0.15	V	24.5, 24.7, 24.15
PVIN - VOH	High-level voltage	IOH = 50mA			0.13	0.25	V	24.6, 24.8, 24.16

Table 3-1. TPS7H5031-SEP Data Sheet Electrical Parameters (continued)

PARAMETER		TEST CONDITIONS		MIN	TYP	MAX	UNIT	Test #
tR_OUT	OUT rise time	CLOAD = 1000pF, 10% to 90%	VIN = PVIN = 8V		9.5	18	ns	24.17
tR_OUT	OUT rise time	CLOAD = 1000pF, 10% to 90%	VIN = PVIN = 12V		9.5	18	ns	24.9
			VIN = PVIN = 14V		11.5	20		24.11
tF_OUT	OUT fall time	CLOAD = 1000pF, 90% to 10%	VIN = PVIN = 8V		9.5	18	ns	24.18
tF_OUT	OUT fall time	CLOAD = 1000pF, 90% to 10%	VIN = PVIN = 12V		9.5	18	ns	24.1
			VIN = PVIN = 14V		11	18		24.12
ROH	Pull-up resistance	100mA from OUT			2.6	4.7	Ω	23.19, 23.21, 23.23
ROL	Pull-down resistance	100mA into OUT			1.6	2.8	Ω	23.20, 23.22, 23.24
VUCLAMP	Unpowered OUT clamp voltage	Switching disabled, 1mA pull-up applied to OUT	PVIN = 0V		0.7	1	V	24.13
			0V < PVIN < 5V		1.8	2.5		24.14
PWM AND DUTY CYCLE								
ton_min	Minimum on-time				135	165	ns	26.3, 26.4, 26.7
toff_min	Minimum off-time pulse extender				55	70	ns	26.5, 26.8
DMAX	Maximum duty cycle		42%		46%	50%		27.19, 27.20, 27.21, 27.22, 27.23, 27.24, 27.25, 27.26, 27.27, 27.28, 27.29, 27.30, 27.45, 27.46, 27.47, 27.48, 27.49, 27.50

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H502x-SP/SEP and TPS7H503x-SP/SEP Radiation-Hardened Current Mode PWM Controllers With Integrated Gate Driver](#), datasheet.
- Texas Instruments, [TPS7H5030-SP Evaluation Module](#), EVM user's guide.

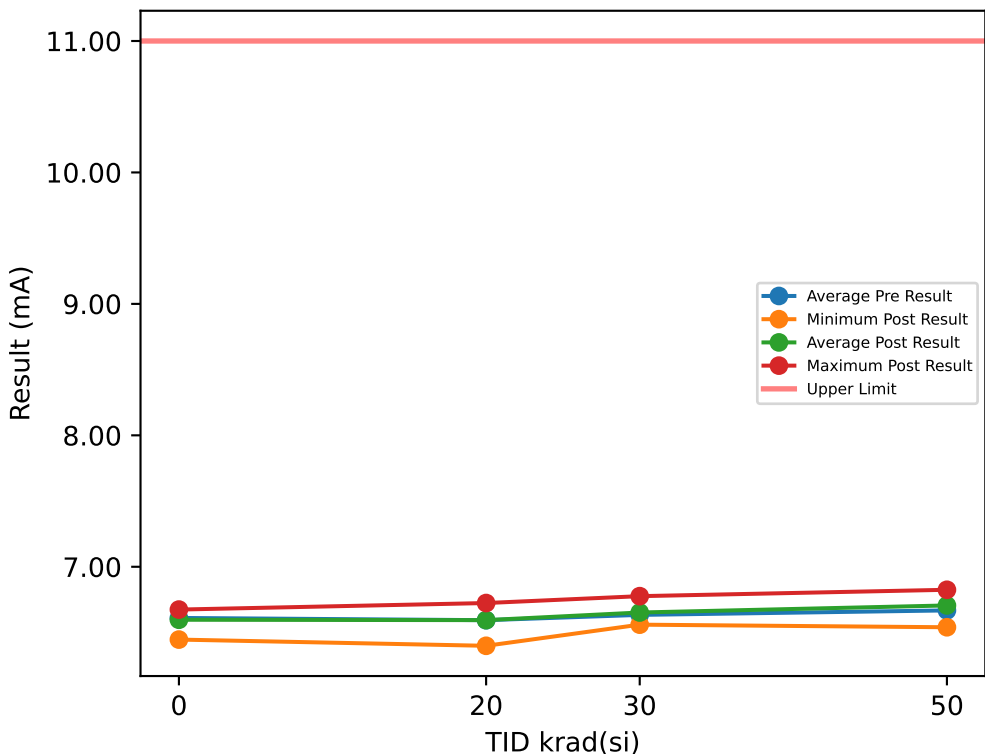
4.2 Reference Documents

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

Device Test: 14.16 IDD|SUPPLY CURRENT/IN/8/8/0/0/5/100kHz//@IDD_ACT_100K_NOLOAD

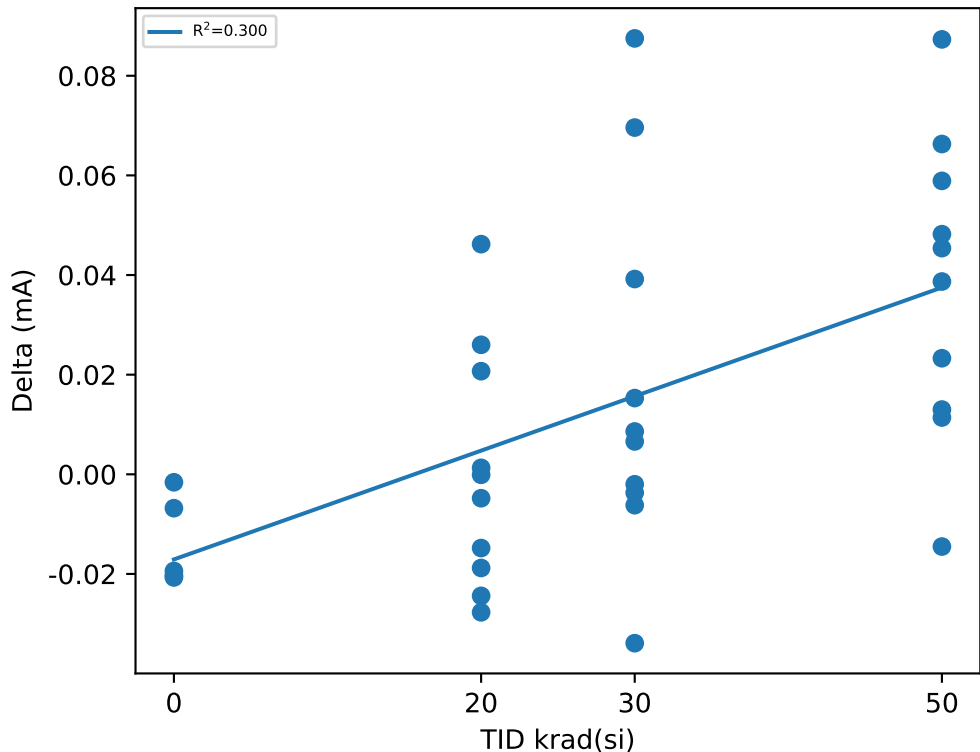
TID vs Result Stats



Test Results (Upper Limit = 11.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	6.6022	6.6035	0.0013
371	20	Unbiased	6.6633	6.6585	-0.0048
383	20	Unbiased	6.7242	6.7241	-0.0001
390	50	Unbiased	6.6535	6.7017	0.0482
444	30	Unbiased	6.6114	6.6077	-0.0037
509	30	Unbiased	6.7678	6.7764	0.0086
558	0	Correlation	6.6938	6.6744	-0.0194
724	20	Biased	6.3526	6.3988	0.0462
744	50	Biased	6.766	6.8249	0.0589
799	50	Biased	6.5643	6.6516	0.0873
842	30	Unbiased	6.6683	6.6749	0.0066
930	50	Unbiased	6.7068	6.7198	0.013
964	20	Unbiased	6.6407	6.6614	0.0207
1056	0	Correlation	6.6174	6.6106	-0.0068
1095	50	Unbiased	6.726	6.7115	-0.0145
1099	0	Correlation	6.4668	6.4461	-0.0207
1215	50	Unbiased	6.6326	6.6713	0.0387
1229	50	Unbiased	6.7611	6.8065	0.0454
1297	20	Biased	6.6451	6.6207	-0.0244
1331	30	Unbiased	6.6339	6.6319	-0.002
1337	20	Biased	6.5695	6.5955	0.026
1359	30	Biased	6.6072	6.6768	0.0696
1375	30	Unbiased	6.5269	6.5661	0.0392
1398	30	Biased	6.5935	6.5596	-0.0339
1401	20	Biased	6.6929	6.6652	-0.0277
1411	50	Biased	6.7217	6.788	0.0663
1474	50	Biased	6.5166	6.5399	0.0233
1500	20	Unbiased	6.457	6.4382	-0.0188
1504	50	Biased	6.6311	6.6425	0.0114
1662	30	Biased	6.7234	6.7172	-0.0062
1703	30	Biased	6.5446	6.6321	0.0875
1736	30	Biased	6.6625	6.6778	0.0153
1737	0	Correlation	6.5955	6.5939	-0.0016
1748	0	Correlation	6.68	6.6597	-0.0203
1794	20	Biased	6.5895	6.5747	-0.0148

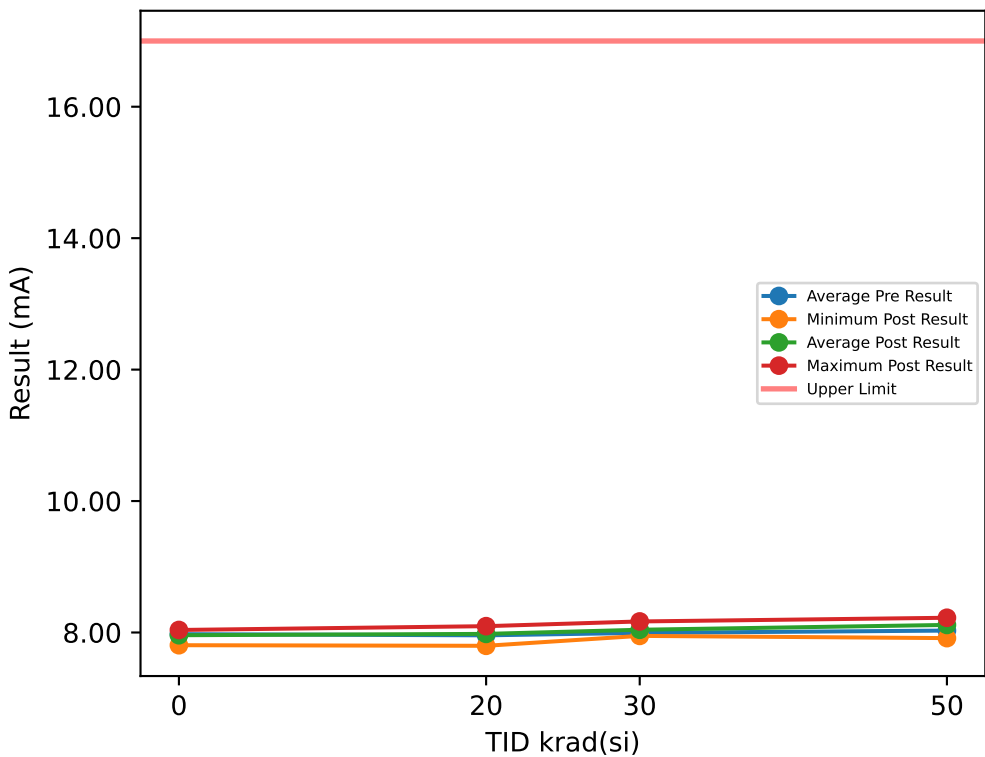
TID vs Post - Pre Exposure Delta



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	6.4668	6.6107	6.6938	0.090404	6.4461	6.5969	6.6744	0.090674	-0.0207	-0.01376	-0.0016	0.008931
20	6.3526	6.5937	6.7242	0.11257	6.3988	6.5941	6.7241	0.10234	-0.0277	0.00036	0.0462	0.024031
30	6.5269	6.634	6.7678	0.074696	6.5596	6.6521	6.7764	0.066842	-0.0339	0.0181	0.0875	0.036995
50	6.5166	6.668	6.766	0.08335	6.5399	6.7058	6.8249	0.086272	-0.0145	0.0378	0.0873	0.030059

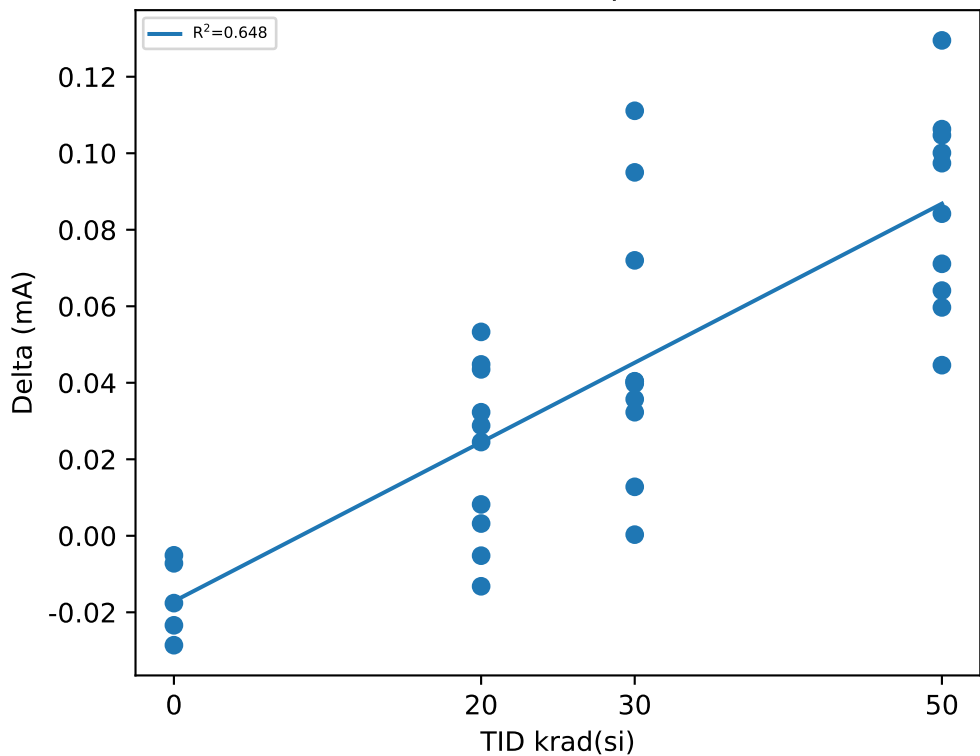
TID vs Result Stats



Test Results (Upper Limit = 17.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.9365	7.961	0.0245
371	20	Unbiased	8.0233	8.0556	0.0323
383	20	Unbiased	8.0674	8.0962	0.0288
390	50	Unbiased	8.0172	8.1146	0.0974
444	30	Unbiased	7.9786	8.0143	0.0357
509	30	Unbiased	8.1283	8.1681	0.0398
558	0	Correlation	8.0559	8.0383	-0.0176
724	20	Biased	7.7443	7.7976	0.0533
744	50	Biased	8.1165	8.2228	0.1063
799	50	Biased	7.9219	8.0514	0.1295
842	30	Unbiased	8.0081	8.0484	0.0403
930	50	Unbiased	8.0963	8.1674	0.0711
964	20	Unbiased	8.0108	8.0556	0.0448
1056	0	Correlation	7.9855	7.9804	-0.0051
1095	50	Unbiased	8.1027	8.1473	0.0446
1099	0	Correlation	7.83	7.8066	-0.0234
1215	50	Unbiased	7.9873	8.0715	0.0842
1229	50	Unbiased	8.124	8.2241	0.1001
1297	20	Biased	7.9977	7.9925	-0.0052
1331	30	Unbiased	8.0002	8.0325	0.0323
1337	20	Biased	7.9245	7.968	0.0435
1359	30	Biased	7.9528	8.0478	0.095
1375	30	Unbiased	7.8926	7.9646	0.072
1398	30	Biased	7.948	7.9483	0.0003
1401	20	Biased	8.0653	8.0521	-0.0132
1411	50	Biased	8.0755	8.1802	0.1047
1474	50	Biased	7.8548	7.9145	0.0597
1500	20	Unbiased	7.8672	7.8704	0.0032
1504	50	Biased	7.9941	8.0582	0.0641
1662	30	Biased	8.0921	8.1049	0.0128
1703	30	Biased	7.9213	8.0324	0.1111
1736	30	Biased	8.0163	8.0567	0.0404
1737	0	Correlation	7.9611	7.9539	-0.0072
1748	0	Correlation	8.0421	8.0135	-0.0286
1794	20	Biased	7.9307	7.9389	0.0082

TID vs Post - Pre Exposure Delta

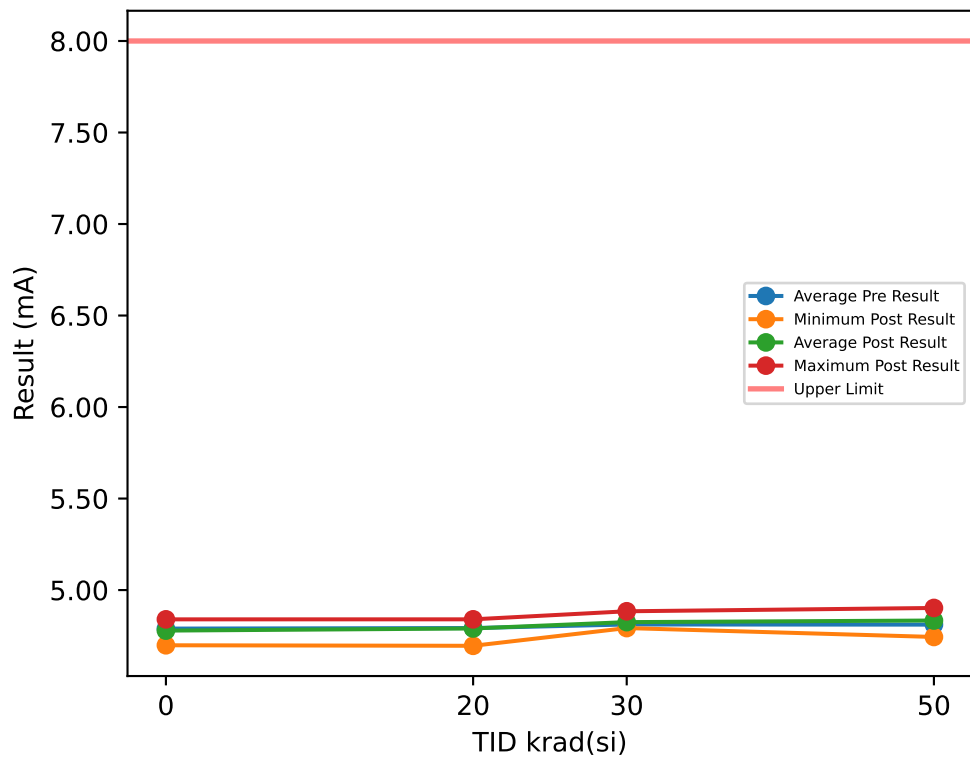


Test Statistics (mA)

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	7.83	7.9749	8.0559	0.089966	7.8066	7.9585	8.0383	0.090785	-0.0286	-0.01638	-0.0051	0.010144
20	7.7443	7.9568	8.0674	0.099072	7.7976	7.9788	8.0962	0.092945	-0.0132	0.02202	0.0533	0.022713
30	7.8926	7.9938	8.1283	0.073039	7.9483	8.0418	8.1681	0.06313	0.0003	0.04797	0.1111	0.034742
50	7.8548	8.029	8.124	0.090503	7.9145	8.1152	8.2241	0.094826	0.0446	0.08617	0.1295	0.026019

Device Test: 14.19 IDD_DIS|STANDBY CURRENT/IN/8/8/0/0/5/500kHz//@IDD_DIS

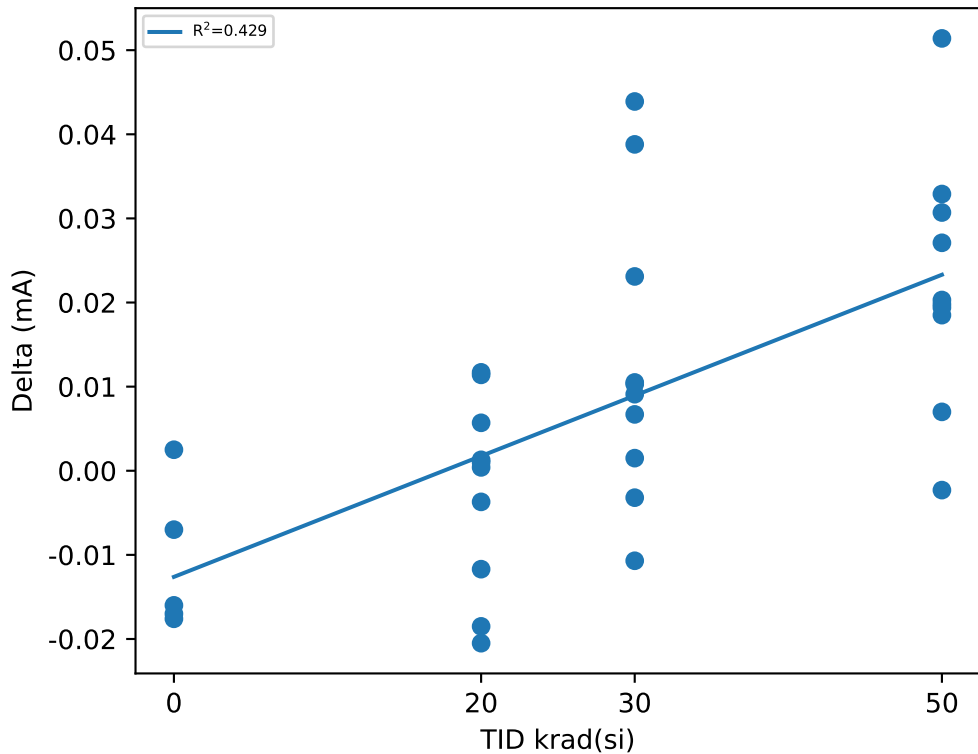
TID vs Result Stats



Test Results (Upper Limit = 8.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	4.8044	4.8101	0.0057
371	20	Unbiased	4.8438	4.8401	-0.0037
383	20	Unbiased	4.82	4.821	0.001
390	50	Unbiased	4.7964	4.8158	0.0194
444	30	Unbiased	4.8013	4.8028	0.0015
509	30	Unbiased	4.8736	4.8841	0.0105
558	0	Correlation	4.857	4.84	-0.017
724	20	Biased	4.6838	4.6955	0.0117
744	50	Biased	4.8751	4.9022	0.0271
799	50	Biased	4.7449	4.7963	0.0514
842	30	Unbiased	4.8119	4.821	0.0091
930	50	Unbiased	4.8133	4.8203	0.007
964	20	Unbiased	4.7834	4.7838	0.0004
1056	0	Correlation	4.7767	4.7697	-0.007
1095	50	Unbiased	4.8346	4.8323	-0.0023
1099	0	Correlation	4.7144	4.6984	-0.016
1215	50	Unbiased	4.8149	4.8352	0.0203
1229	50	Unbiased	4.8424	4.8753	0.0329
1297	20	Biased	4.7991	4.7786	-0.0205
1331	30	Unbiased	4.7936	4.8039	0.0103
1337	20	Biased	4.8062	4.8176	0.0114
1359	30	Biased	4.8172	4.856	0.0388
1375	30	Unbiased	4.7693	4.7924	0.0231
1398	30	Biased	4.833	4.8223	-0.0107
1401	20	Biased	4.8437	4.8252	-0.0185
1411	50	Biased	4.849	4.8797	0.0307
1474	50	Biased	4.724	4.7438	0.0198
1500	20	Unbiased	4.7109	4.7122	0.0013
1504	50	Biased	4.8169	4.8354	0.0185
1662	30	Biased	4.82	4.8267	0.0067
1703	30	Biased	4.7492	4.7931	0.0439
1736	30	Biased	4.8499	4.8467	-0.0032
1737	0	Correlation	4.7808	4.7833	0.0025
1748	0	Correlation	4.8187	4.8011	-0.0176
1794	20	Biased	4.8293	4.8176	-0.0117

TID vs Post - Pre Exposure Delta

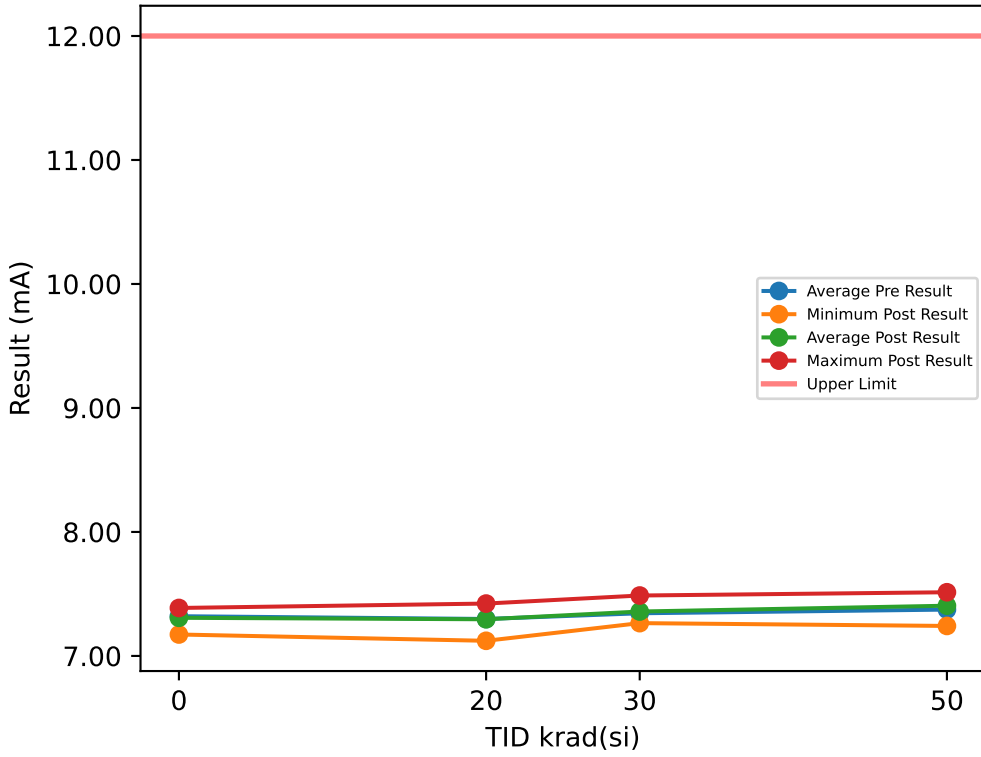


Test Statistics (mA)

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	4.7144	4.7895	4.857	0.053124	4.6984	4.7785	4.84	0.051984	-0.0176	-0.01102	0.0025	0.0087007
20	4.6838	4.7925	4.8438	0.054051	4.6955	4.7902	4.8401	0.049203	-0.0205	-0.00229	0.0117	0.011367
30	4.7492	4.8119	4.8736	0.036489	4.7924	4.8249	4.8841	0.029757	-0.0107	0.013	0.0439	0.017472
50	4.724	4.8111	4.8751	0.046311	4.7438	4.8336	4.9022	0.045371	-0.0023	0.02248	0.0514	0.014624

Device Test: 14.20 IDD|SUPPLY CURRENT/IN/8/8/0/1000/5/100kHz//@IDD_ACT_100K_LOAD

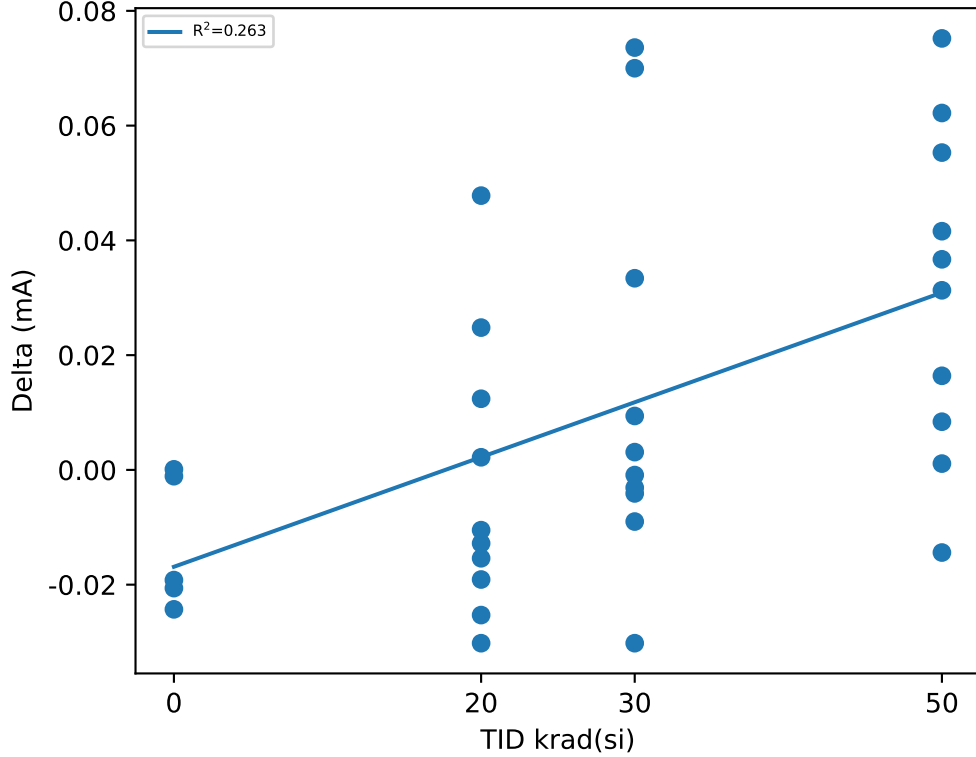
TID vs Result Stats



Test Results (Upper Limit = 12.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.2811	7.2833	0.0022
371	20	Unbiased	7.3763	7.3635	-0.0128
383	20	Unbiased	7.4329	7.4224	-0.0105
390	50	Unbiased	7.3587	7.4003	0.0416
444	30	Unbiased	7.3253	7.3212	-0.0041
509	30	Unbiased	7.4842	7.4873	0.0031
558	0	Correlation	7.4061	7.3869	-0.0192
724	20	Biased	7.0743	7.1221	0.0478
744	50	Biased	7.4583	7.5136	0.0553
799	50	Biased	7.2562	7.3314	0.0752
842	30	Unbiased	7.3699	7.369	-0.0009
930	50	Unbiased	7.4391	7.4402	0.0011
964	20	Unbiased	7.3455	7.3579	0.0124
1056	0	Correlation	7.3188	7.3189	0.0001
1095	50	Unbiased	7.4424	7.428	-0.0144
1099	0	Correlation	7.1972	7.1729	-0.0243
1215	50	Unbiased	7.3407	7.372	0.0313
1229	50	Unbiased	7.4605	7.4972	0.0367
1297	20	Biased	7.3412	7.3159	-0.0253
1331	30	Unbiased	7.3341	7.3251	-0.009
1337	20	Biased	7.2793	7.3041	0.0248
1359	30	Biased	7.3221	7.3957	0.0736
1375	30	Unbiased	7.2312	7.2646	0.0334
1398	30	Biased	7.306	7.2758	-0.0302
1401	20	Biased	7.3977	7.3675	-0.0302
1411	50	Biased	7.4267	7.4889	0.0622
1474	50	Biased	7.2255	7.2419	0.0164
1500	20	Unbiased	7.1703	7.1512	-0.0191
1504	50	Biased	7.3292	7.3376	0.0084
1662	30	Biased	7.4305	7.4274	-0.0031
1703	30	Biased	7.2583	7.3283	0.07
1736	30	Biased	7.3783	7.3877	0.0094
1737	0	Correlation	7.2938	7.2927	-0.0011
1748	0	Correlation	7.3868	7.3662	-0.0206
1794	20	Biased	7.2839	7.2685	-0.0154

TID vs Post - Pre Exposure Delta

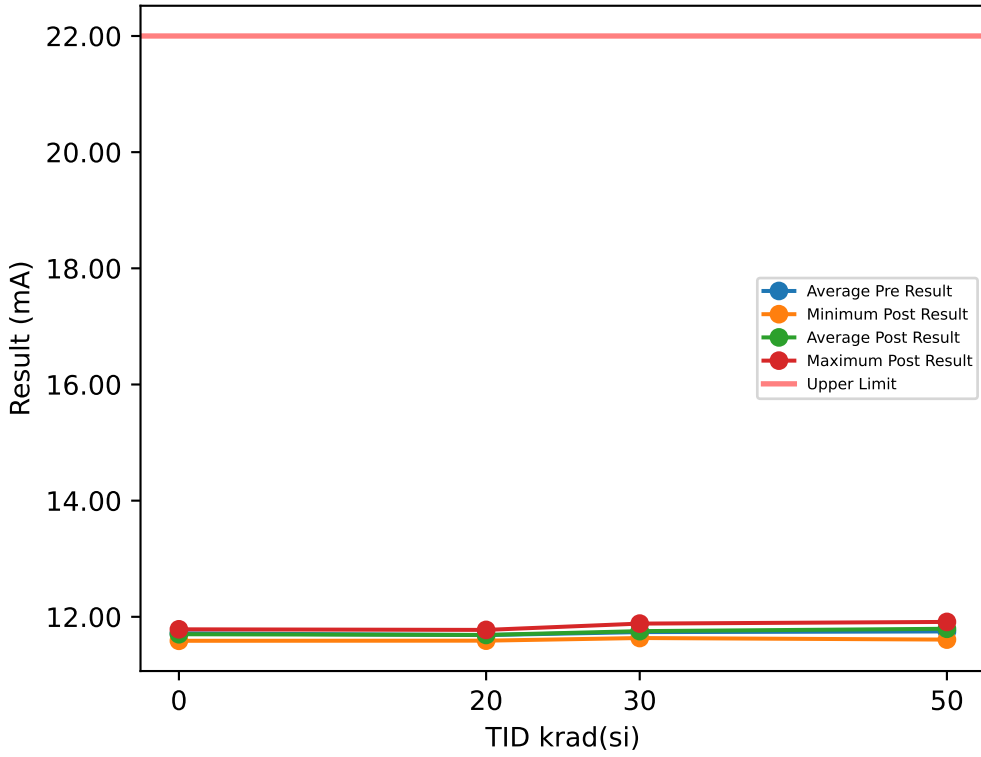


Test Statistics (mA)

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	7.1972	7.3205	7.4061	0.083129	7.1729	7.3075	7.3869	0.083988	-0.0243	-0.01302	0.0001	0.011588
20	7.0743	7.2983	7.4329	0.10831	7.1221	7.2956	7.4224	0.095489	-0.0302	-0.00261	0.0478	0.024537
30	7.2312	7.344	7.4842	0.07559	7.2646	7.3582	7.4873	0.068927	-0.0302	0.01422	0.0736	0.034203
50	7.2255	7.3737	7.4605	0.08535	7.2419	7.4051	7.5136	0.086136	-0.0144	0.03138	0.0752	0.028558

Device Test: 14.21 IDD|SUPPLY CURRENT/IN/8/8/0/1000/5/500kHz//@IDD_ACT_500K_LOAD

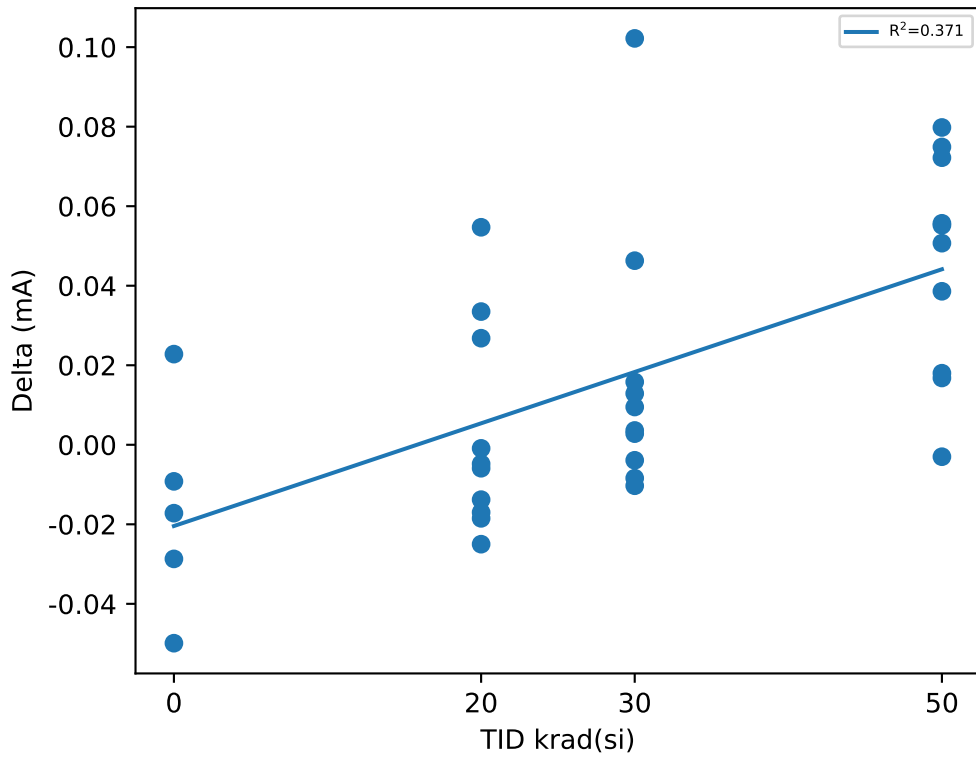
TID vs Result Stats



Test Results (Upper Limit = 22.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	11.563	11.589	0.0268
371	20	Unbiased	11.78	11.766	-0.0138
383	20	Unbiased	11.8	11.775	-0.025
390	50	Unbiased	11.721	11.776	0.0557
444	30	Unbiased	11.716	11.732	0.0158
509	30	Unbiased	11.887	11.883	-0.0039
558	0	Correlation	11.802	11.785	-0.0172
724	20	Biased	11.543	11.598	0.0547
744	50	Biased	11.801	11.876	0.0749
799	50	Biased	11.595	11.668	0.0722
842	30	Unbiased	11.752	11.744	-0.0084
930	50	Unbiased	11.915	11.912	-0.003
964	20	Unbiased	11.761	11.76	-0.0009
1056	0	Correlation	11.694	11.716	0.0228
1095	50	Unbiased	11.855	11.872	0.0168
1099	0	Correlation	11.637	11.587	-0.0499
1215	50	Unbiased	11.698	11.753	0.0552
1229	50	Unbiased	11.825	11.864	0.0386
1297	20	Biased	11.706	11.688	-0.0185
1331	30	Unbiased	11.697	11.686	-0.0103
1337	20	Biased	11.675	11.708	0.0335
1359	30	Biased	11.704	11.806	0.1022
1375	30	Unbiased	11.589	11.635	0.0463
1398	30	Biased	11.691	11.695	0.0036
1401	20	Biased	11.788	11.771	-0.017
1411	50	Biased	11.802	11.881	0.0798
1474	50	Biased	11.59	11.608	0.018
1500	20	Unbiased	11.621	11.615	-0.0059
1504	50	Biased	11.681	11.732	0.0507
1662	30	Biased	11.843	11.856	0.0129
1703	30	Biased	11.689	11.698	0.0095
1736	30	Biased	11.796	11.799	0.0028
1737	0	Correlation	11.681	11.672	-0.0092
1748	0	Correlation	11.769	11.74	-0.0287
1794	20	Biased	11.616	11.611	-0.0048

TID vs Post - Pre Exposure Delta

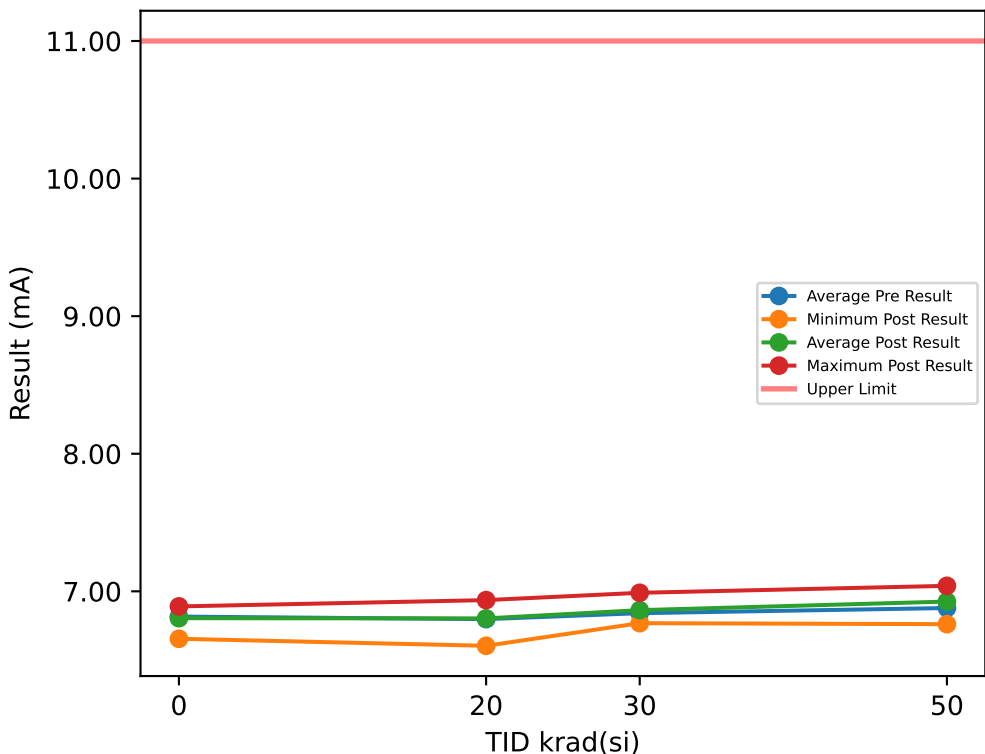


Test Statistics (mA)

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	11.637	11.716	11.802	0.067402	11.587	11.7	11.785	0.075205	-0.0499	-0.01644	0.0228	0.026752
20	11.543	11.685	11.8	0.096085	11.589	11.688	11.775	0.078329	-0.025	0.00291	0.0547	0.026359
30	11.589	11.736	11.887	0.086327	11.635	11.753	11.883	0.080107	-0.0103	0.01705	0.1022	0.033994
50	11.59	11.748	11.915	0.10903	11.608	11.794	11.912	0.1031	-0.003	0.04589	0.0798	0.027803

Device Test: 14.3 IDD|SUPPLY CURRENT/IN/12/12/0/0/5/100kHz//@IDD_ACT_100K_NOLOAD

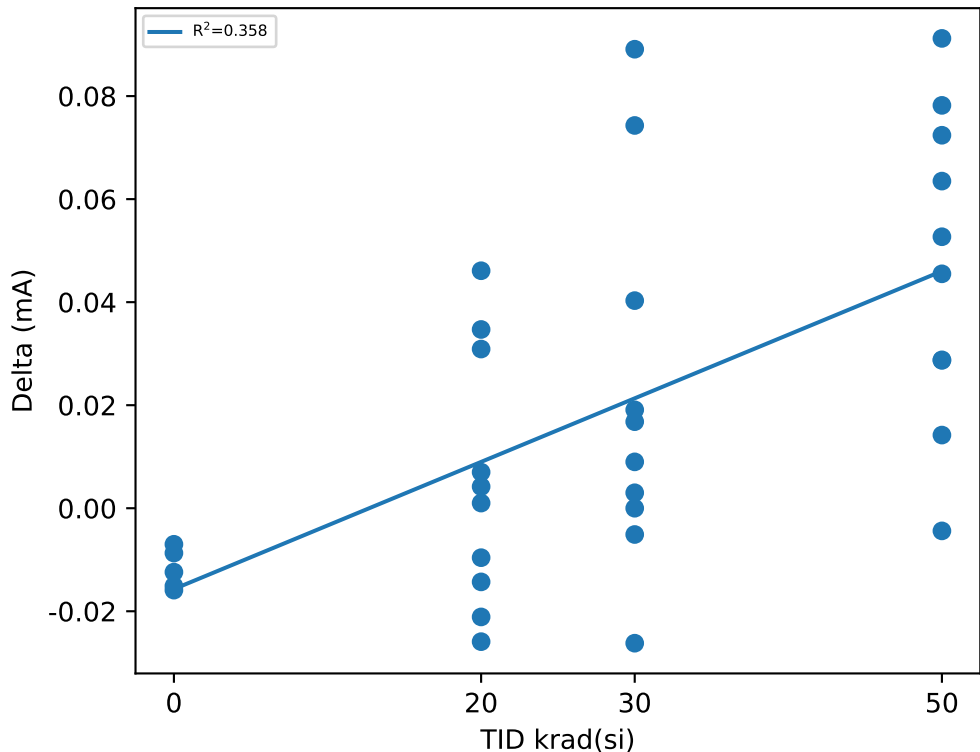
TID vs Result Stats



Test Results (Upper Limit = 11.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	6.8037	6.8047	0.001
371	20	Unbiased	6.8779	6.8821	0.0042
383	20	Unbiased	6.9291	6.9361	0.007
390	50	Unbiased	6.8608	6.9243	0.0635
444	30	Unbiased	6.8245	6.8245	0
509	30	Unbiased	6.9803	6.9893	0.009
558	0	Correlation	6.9027	6.8903	-0.0124
724	20	Biased	6.558	6.6041	0.0461
744	50	Biased	6.9675	7.0399	0.0724
799	50	Biased	6.7789	6.8701	0.0912
842	30	Unbiased	6.8628	6.8796	0.0168
930	50	Unbiased	6.9173	6.9461	0.0288
964	20	Unbiased	6.8384	6.8731	0.0347
1056	0	Correlation	6.8189	6.8119	-0.007
1095	50	Unbiased	6.9399	6.9355	-0.0044
1099	0	Correlation	6.6703	6.6552	-0.0151
1215	50	Unbiased	6.8402	6.8857	0.0455
1229	50	Unbiased	6.9734	7.0261	0.0527
1297	20	Biased	6.835	6.8207	-0.0143
1331	30	Unbiased	6.8452	6.8482	0.003
1337	20	Biased	6.7659	6.7968	0.0309
1359	30	Biased	6.8099	6.8842	0.0743
1375	30	Unbiased	6.7316	6.7719	0.0403
1398	30	Biased	6.7947	6.7685	-0.0262
1401	20	Biased	6.8902	6.8643	-0.0259
1411	50	Biased	6.9221	7.0003	0.0782
1474	50	Biased	6.7326	6.7613	0.0287
1500	20	Unbiased	6.6797	6.6586	-0.0211
1504	50	Biased	6.8528	6.867	0.0142
1662	30	Biased	6.9328	6.9277	-0.0051
1703	30	Biased	6.7599	6.849	0.0891
1736	30	Biased	6.8699	6.889	0.0191
1737	0	Correlation	6.8025	6.7938	-0.0087
1748	0	Correlation	6.8881	6.8722	-0.0159
1794	20	Biased	6.8012	6.7916	-0.0096

TID vs Post - Pre Exposure Delta

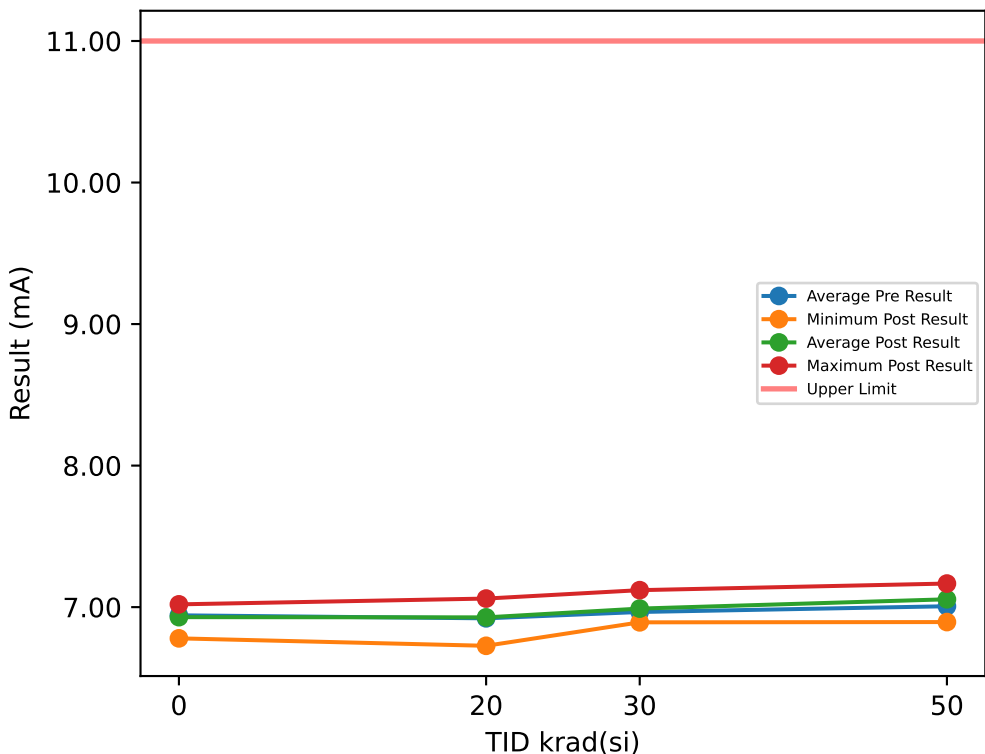


Test Statistics (mA)

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	6.6703	6.8165	6.9027	0.092376	6.6552	6.8047	6.8903	0.092742	-0.0159	-0.01182	-0.007	0.0038958
20	6.558	6.7979	6.9291	0.10941	6.6041	6.8032	6.9361	0.10195	-0.0259	0.0053	0.0461	0.024684
30	6.7316	6.8412	6.9803	0.075342	6.7685	6.8632	6.9893	0.067219	-0.0262	0.02203	0.0891	0.036024
50	6.7326	6.8785	6.9734	0.080105	6.7613	6.9256	7.0399	0.084568	-0.0044	0.04708	0.0912	0.030301

Device Test: 14.4 IDD|SUPPLY CURRENT/IN/14/14/0/0/5/100kHz//@IDD_ACT_100K_NOLOAD

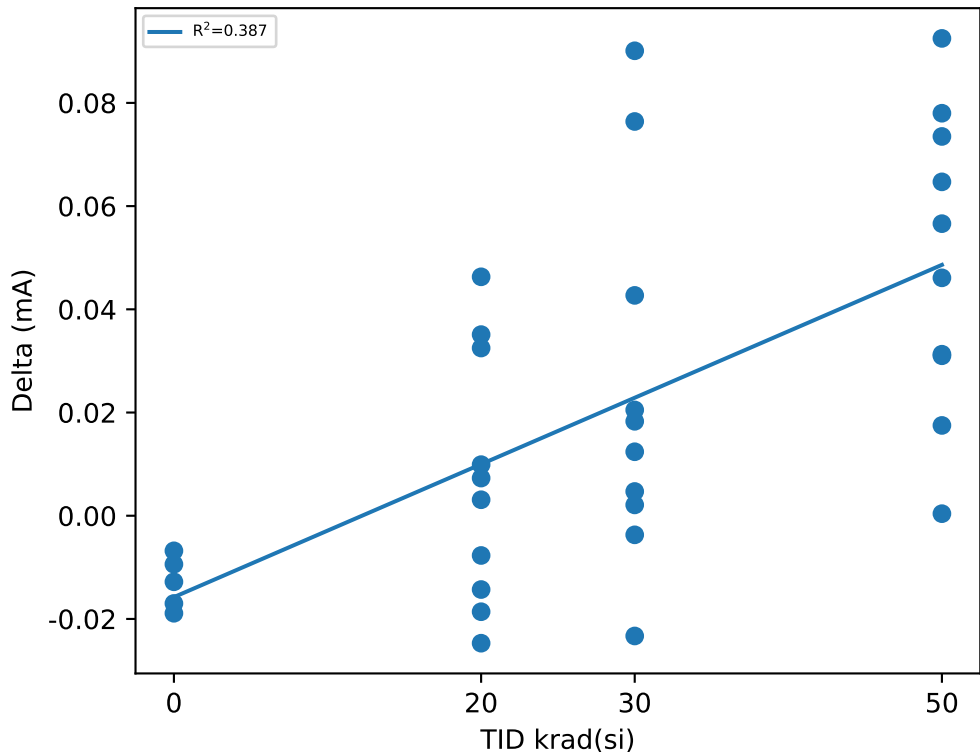
TID vs Result Stats



Test Results (Upper Limit = 11.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	6.9249	6.928	0.0031
371	20	Unbiased	7.0052	7.0125	0.0073
383	20	Unbiased	7.0506	7.0605	0.0099
390	50	Unbiased	6.9886	7.0533	0.0647
444	30	Unbiased	6.9515	6.9536	0.0021
509	30	Unbiased	7.1075	7.1199	0.0124
558	0	Correlation	7.0324	7.0196	-0.0128
724	20	Biased	6.6805	6.7268	0.0463
744	50	Biased	7.0931	7.1666	0.0735
799	50	Biased	6.9061	6.9986	0.0925
842	30	Unbiased	6.9862	7.0045	0.0183
930	50	Unbiased	7.0486	7.0799	0.0313
964	20	Unbiased	6.9607	6.9958	0.0351
1056	0	Correlation	6.9378	6.931	-0.0068
1095	50	Unbiased	7.0666	7.067	0.0004
1099	0	Correlation	6.7964	6.7794	-0.017
1215	50	Unbiased	6.9643	7.0104	0.0461
1229	50	Unbiased	7.1	7.1566	0.0566
1297	20	Biased	6.9531	6.9388	-0.0143
1331	30	Unbiased	6.9712	6.9759	0.0047
1337	20	Biased	6.8871	6.9196	0.0325
1359	30	Biased	6.9324	7.0088	0.0764
1375	30	Unbiased	6.8533	6.896	0.0427
1398	30	Biased	6.9159	6.8926	-0.0233
1401	20	Biased	7.0074	6.9827	-0.0247
1411	50	Biased	7.0467	7.1247	0.078
1474	50	Biased	6.8635	6.8945	0.031
1500	20	Unbiased	6.8111	6.7925	-0.0186
1504	50	Biased	6.9848	7.0023	0.0175
1662	30	Biased	7.0569	7.0532	-0.0037
1703	30	Biased	6.8869	6.977	0.0901
1736	30	Biased	6.9951	7.0156	0.0205
1737	0	Correlation	6.9264	6.917	-0.0094
1748	0	Correlation	7.0178	6.9989	-0.0189
1794	20	Biased	6.9276	6.9199	-0.0077

TID vs Post - Pre Exposure Delta

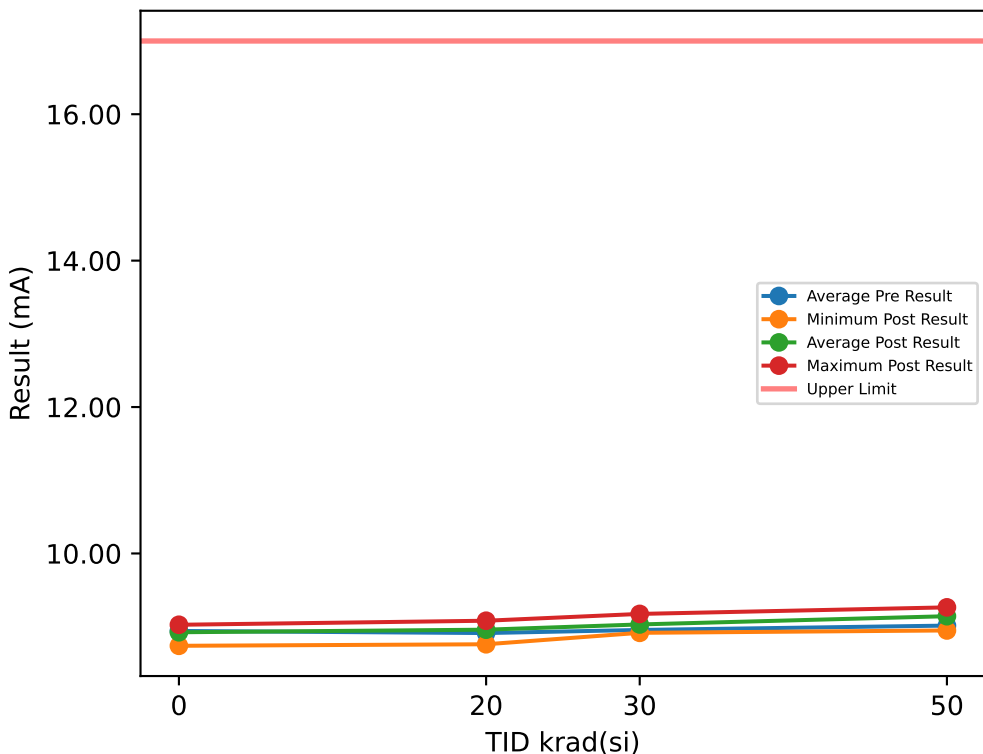


Test Statistics (mA)

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	6.7964	6.9422	7.0324	0.094045	6.7794	6.9292	7.0196	0.094369	-0.0189	-0.01298	-0.0068	0.0050559
20	6.6805	6.9208	7.0506	0.10806	6.7268	6.9277	7.0605	0.10076	-0.0247	0.00689	0.0463	0.024354
30	6.8533	6.9657	7.1075	0.076284	6.8926	6.9897	7.1199	0.068396	-0.0233	0.02402	0.0901	0.035747
50	6.8635	7.0062	7.1	0.079122	6.8945	7.0554	7.1666	0.083072	0.0004	0.04916	0.0925	0.029131

Device Test: 14.5 IDD|SUPPLY CURRENT/IN/12/12/0/0/5/500kHz//@IDD_ACT_500K_NOLOAD

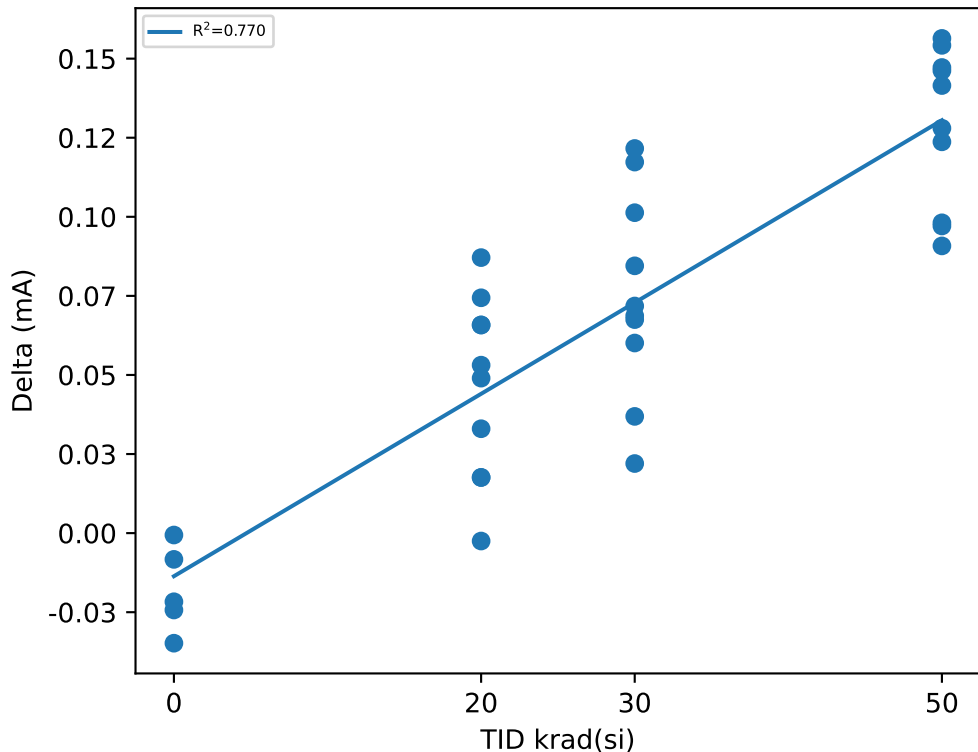
TID vs Result Stats



Test Results (Upper Limit = 17.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	8.8855	8.9345	0.049
371	20	Unbiased	8.9936	9.068	0.0744
383	20	Unbiased	9.0154	9.0812	0.0658
390	50	Unbiased	8.9859	9.1331	0.1472
444	30	Unbiased	8.9484	9.0202	0.0718
509	30	Unbiased	9.1067	9.1742	0.0675
558	0	Correlation	9.0343	9.026	-0.0083
724	20	Biased	8.7066	8.7597	0.0531
744	50	Biased	9.0968	9.251	0.1542
799	50	Biased	8.9226	9.079	0.1564
842	30	Unbiased	8.9502	9.0347	0.0845
930	50	Unbiased	9.0856	9.2136	0.128
964	20	Unbiased	8.9577	9.0448	0.0871
1056	0	Correlation	8.9257	8.9251	-0.0006
1095	50	Unbiased	9.0867	9.1838	0.0971
1099	0	Correlation	8.7605	8.7388	-0.0217
1215	50	Unbiased	8.9343	9.058	0.1237
1229	50	Unbiased	9.1176	9.2638	0.1462
1297	20	Biased	8.9253	8.9429	0.0176
1331	30	Unbiased	8.9749	9.0436	0.0687
1337	20	Biased	8.8454	8.9112	0.0658
1359	30	Biased	8.8939	9.0112	0.1173
1375	30	Unbiased	8.8414	8.9427	0.1013
1398	30	Biased	8.8791	8.916	0.0369
1401	20	Biased	8.9932	8.9907	-0.0025
1411	50	Biased	9.0326	9.1741	0.1415
1474	50	Biased	8.8576	8.9484	0.0908
1500	20	Unbiased	8.8979	8.9155	0.0176
1504	50	Biased	9.0274	9.1255	0.0981
1662	30	Biased	9.0689	9.0909	0.022
1703	30	Biased	8.9078	9.0294	0.1216
1736	30	Biased	8.9812	9.0413	0.0601
1737	0	Correlation	8.9494	8.9251	-0.0243
1748	0	Correlation	9.0381	9.0033	-0.0348
1794	20	Biased	8.908	8.941	0.033

TID vs Post - Pre Exposure Delta

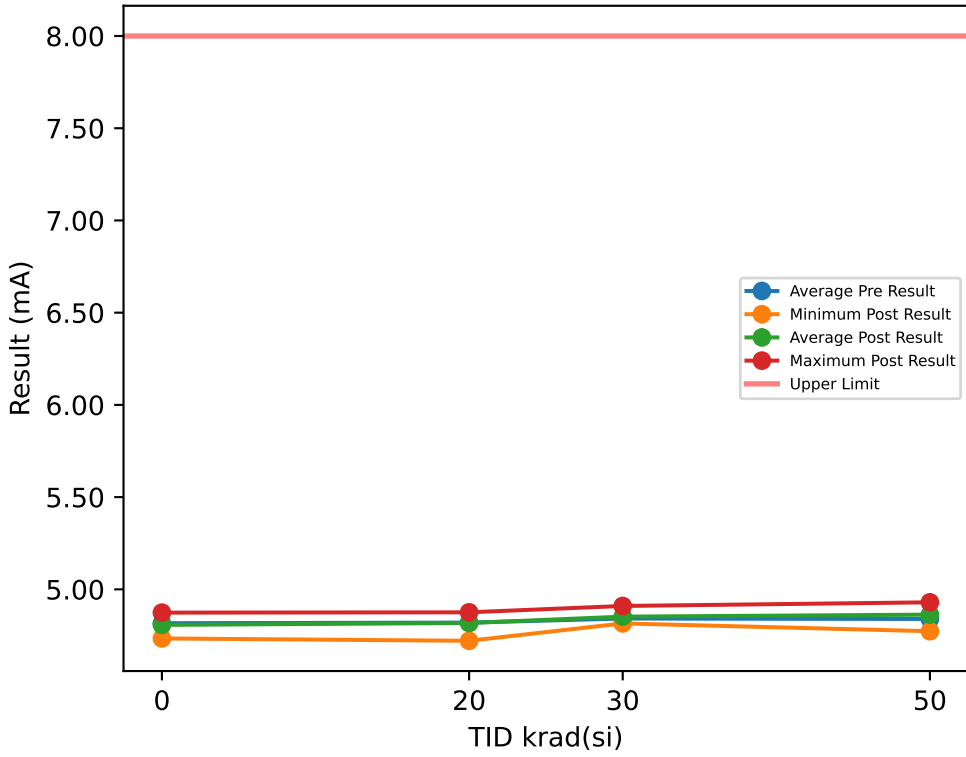


Test Statistics (mA)

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	8.7605	8.9416	9.0381	0.11293	8.7388	8.9237	9.026	0.11291	-0.0348	-0.01794	-0.0006	0.013532
20	8.7066	8.9129	9.0154	0.090519	8.7597	8.9589	9.0812	0.094435	-0.0025	0.04609	0.0871	0.028817
30	8.8414	8.9552	9.1067	0.082839	8.916	9.0304	9.1742	0.071416	0.022	0.07517	0.1216	0.0322
50	8.8576	9.0147	9.1176	0.087228	8.9484	9.143	9.2638	0.096302	0.0908	0.12832	0.1564	0.025001

Device Test: 14.6 IDD_DIS|STANDBY CURRENT/IN/12/12/0/0/5/500kHz//@IDD_DIS

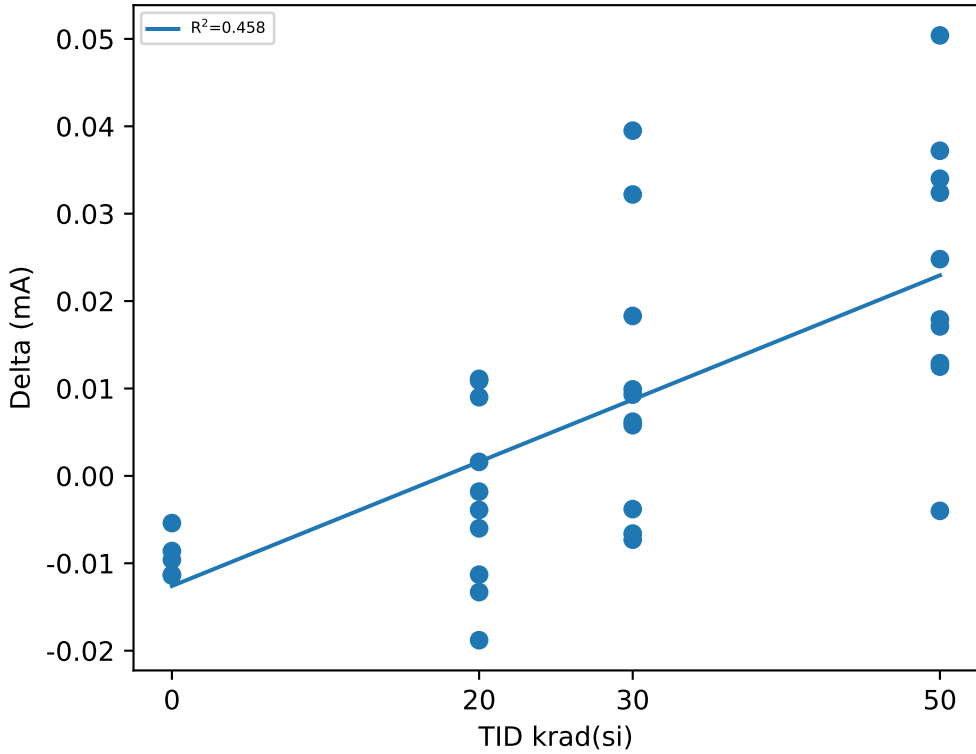
TID vs Result Stats



Test Results (Upper Limit = 8.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	4.8335	4.8317	-0.0018
371	20	Unbiased	4.8794	4.8755	-0.0039
383	20	Unbiased	4.8489	4.8505	0.0016
390	50	Unbiased	4.8245	4.8493	0.0248
444	30	Unbiased	4.8344	4.8306	-0.0038
509	30	Unbiased	4.9038	4.91	0.0062
558	0	Correlation	4.8851	4.8738	-0.0113
724	20	Biased	4.7102	4.7211	0.0109
744	50	Biased	4.8957	4.9297	0.034
799	50	Biased	4.7757	4.8261	0.0504
842	30	Unbiased	4.8337	4.843	0.0093
930	50	Unbiased	4.8391	4.8516	0.0125
964	20	Unbiased	4.8057	4.8147	0.009
1056	0	Correlation	4.8039	4.7953	-0.0086
1095	50	Unbiased	4.8662	4.8622	-0.004
1099	0	Correlation	4.7453	4.7339	-0.0114
1215	50	Unbiased	4.848	4.8651	0.0171
1229	50	Unbiased	4.8698	4.9022	0.0324
1297	20	Biased	4.8158	4.8025	-0.0133
1331	30	Unbiased	4.8241	4.834	0.0099
1337	20	Biased	4.8315	4.8426	0.0111
1359	30	Biased	4.8432	4.8827	0.0395
1375	30	Unbiased	4.7971	4.8154	0.0183
1398	30	Biased	4.86	4.8527	-0.0073
1401	20	Biased	4.8688	4.85	-0.0188
1411	50	Biased	4.8716	4.9088	0.0372
1474	50	Biased	4.7552	4.7731	0.0179
1500	20	Unbiased	4.743	4.737	-0.006
1504	50	Biased	4.8479	4.8608	0.0129
1662	30	Biased	4.8489	4.8547	0.0058
1703	30	Biased	4.7932	4.8254	0.0322
1736	30	Biased	4.8792	4.8726	-0.0066
1737	0	Correlation	4.8078	4.8024	-0.0054
1748	0	Correlation	4.8407	4.8311	-0.0096
1794	20	Biased	4.861	4.8497	-0.0113

TID vs Post - Pre Exposure Delta

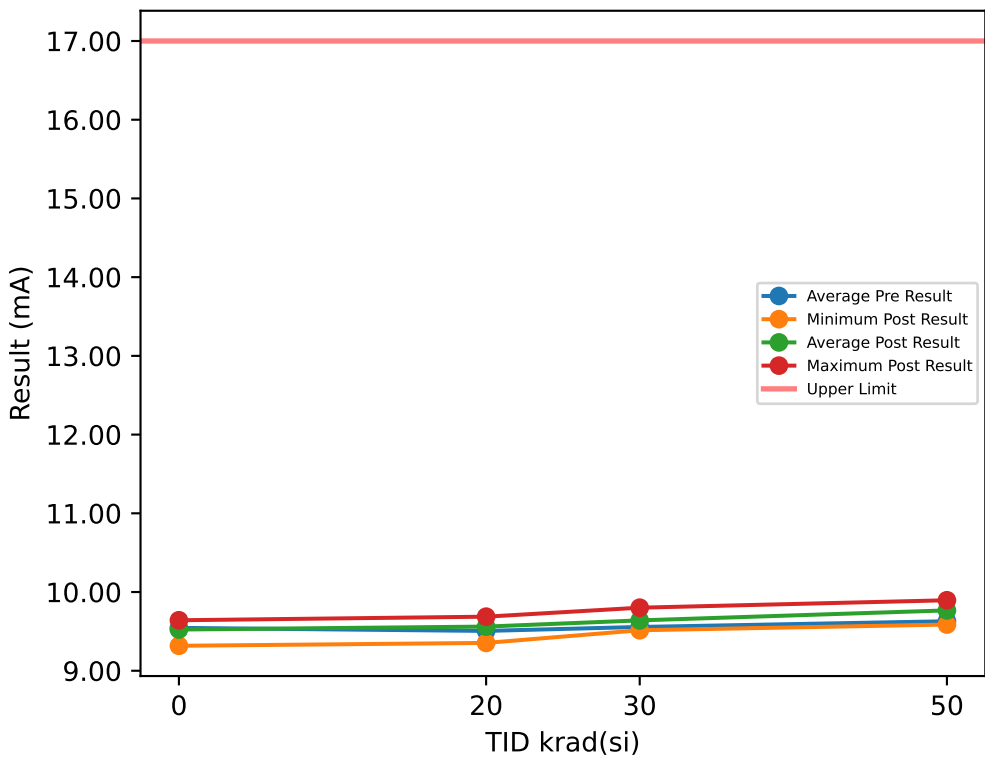


Test Statistics (mA)

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	4.7453	4.8166	4.8851	0.051467	4.7339	4.8073	4.8738	0.051343	-0.0114	-0.00926	-0.0054	0.0024593
20	4.7102	4.8198	4.8794	0.054719	4.7211	4.8175	4.8755	0.050973	-0.0188	-0.00225	0.0111	0.010474
30	4.7932	4.8418	4.9038	0.034026	4.8154	4.8521	4.91	0.029152	-0.0073	0.01035	0.0395	0.015736
50	4.7552	4.8394	4.8957	0.043925	4.7731	4.8629	4.9297	0.04454	-0.004	0.02352	0.0504	0.015508

Device Test: 14.7 IDD|SUPPLY CURRENT/IN/14/14/0/0/5/500kHz//@IDD_ACT_500K_NOLOAD

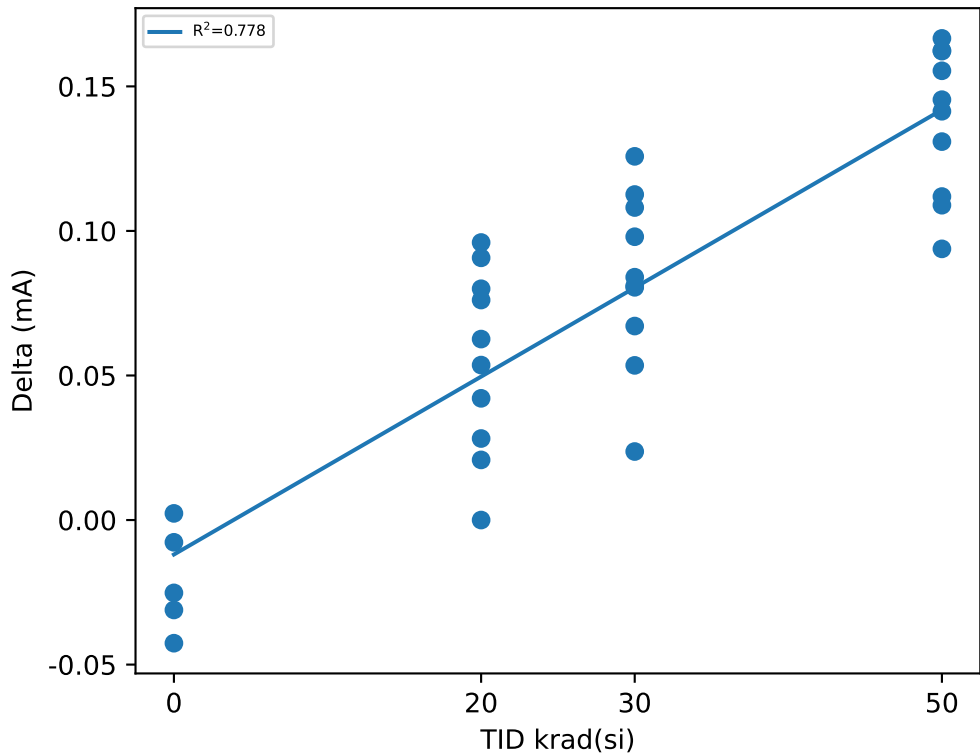
TID vs Result Stats



Test Results (Upper Limit = 17.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	9.4776	9.5402	0.0626
371	20	Unbiased	9.5962	9.6869	0.0907
383	20	Unbiased	9.6023	9.6823	0.08
390	50	Unbiased	9.5887	9.7441	0.1554
444	30	Unbiased	9.5513	9.6353	0.084
509	30	Unbiased	9.7205	9.801	0.0805
558	0	Correlation	9.6491	9.6414	-0.0077
724	20	Biased	9.3	9.3536	0.0536
744	50	Biased	9.7086	9.8752	0.1666
799	50	Biased	9.5391	9.7015	0.1624
842	30	Unbiased	9.5493	9.6473	0.098
930	50	Unbiased	9.7064	9.8478	0.1414
964	20	Unbiased	9.5473	9.6433	0.096
1056	0	Correlation	9.5034	9.5057	0.0023
1095	50	Unbiased	9.6946	9.8065	0.1119
1099	0	Correlation	9.3422	9.317	-0.0252
1215	50	Unbiased	9.5243	9.6552	0.1309
1229	50	Unbiased	9.7333	9.8955	0.1622
1297	20	Biased	9.5029	9.5237	0.0208
1331	30	Unbiased	9.5785	9.6595	0.081
1337	20	Biased	9.4215	9.4976	0.0761
1359	30	Biased	9.4873	9.6131	0.1258
1375	30	Unbiased	9.4259	9.5385	0.1126
1398	30	Biased	9.4609	9.5144	0.0535
1401	20	Biased	9.5675	9.5675	0
1411	50	Biased	9.6305	9.7759	0.1454
1474	50	Biased	9.493	9.5868	0.0938
1500	20	Unbiased	9.5287	9.5569	0.0282
1504	50	Biased	9.6703	9.7792	0.1089
1662	30	Biased	9.6746	9.6983	0.0237
1703	30	Biased	9.527	9.6351	0.1081
1736	30	Biased	9.5876	9.6547	0.0671
1737	0	Correlation	9.5643	9.5332	-0.0311
1748	0	Correlation	9.6633	9.6207	-0.0426
1794	20	Biased	9.516	9.5581	0.0421

TID vs Post - Pre Exposure Delta

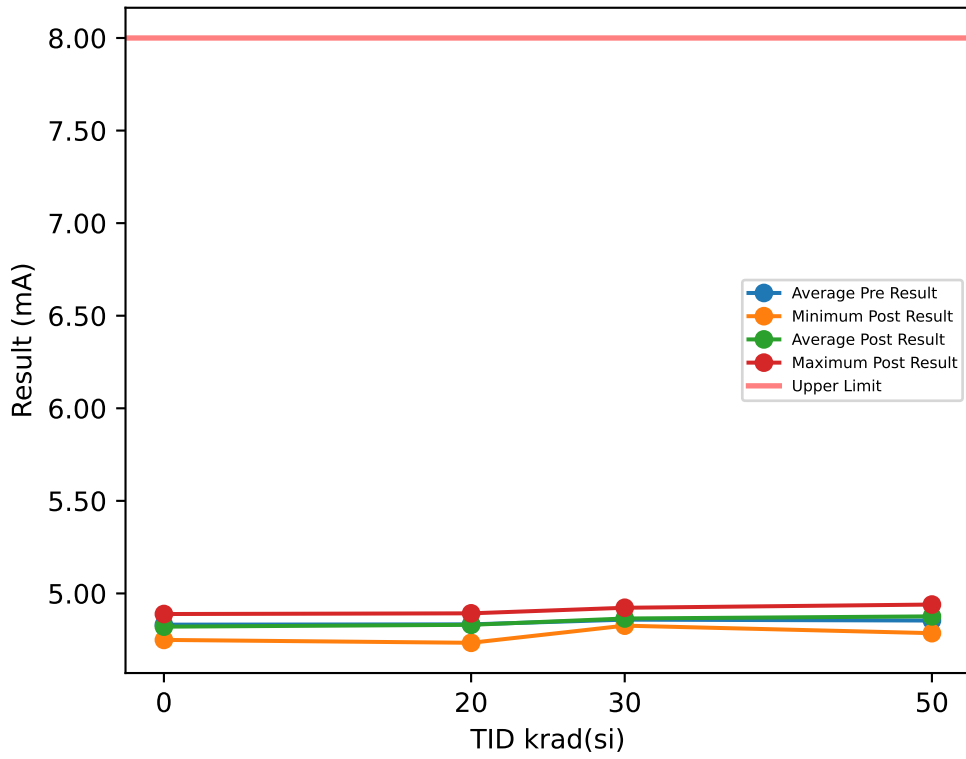


Test Statistics (mA)

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	9.3422	9.5445	9.6633	0.13044	9.317	9.5236	9.6414	0.12884	-0.0426	-0.02086	0.0023	0.018069
20	9.3	9.506	9.6023	0.090618	9.3536	9.561	9.6869	0.097902	0	0.05501	0.096	0.031911
30	9.4259	9.5563	9.7205	0.090816	9.5144	9.6397	9.801	0.079454	0.0237	0.08343	0.1258	0.030207
50	9.493	9.6289	9.7333	0.087166	9.5868	9.7668	9.8955	0.097935	0.0938	0.13789	0.1666	0.025604

Device Test: 14.8 IDD_DIS|STANDBY CURRENT/IN/14/14/0/0/5/500kHz//@IDD_DIS

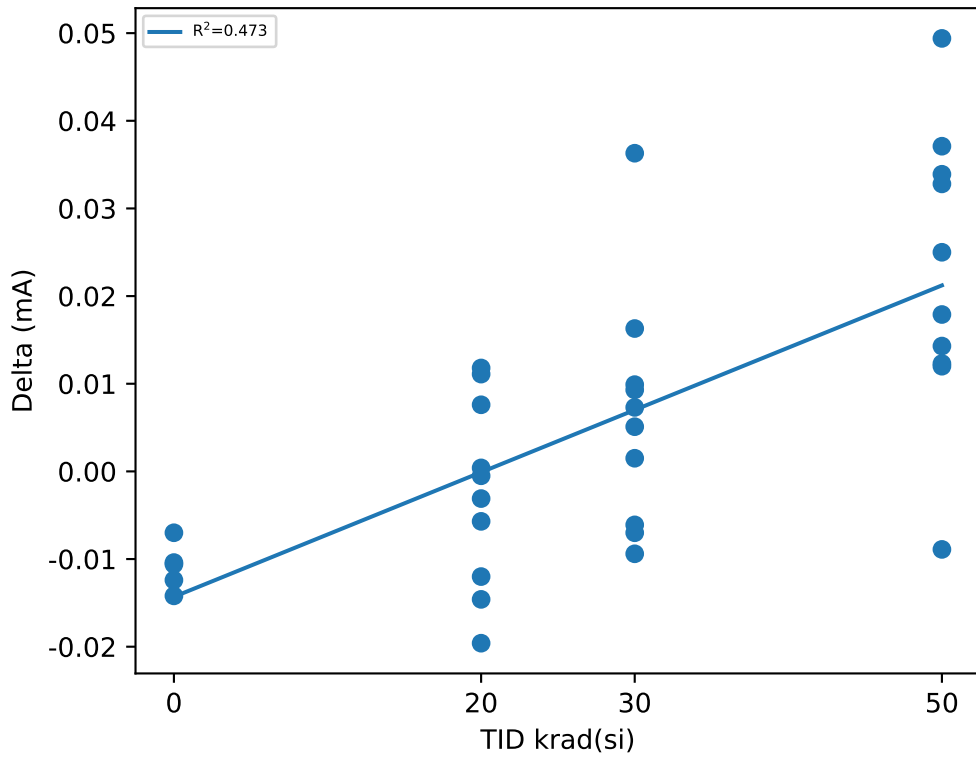
TID vs Result Stats



Test Results (Upper Limit = 8.0 (mA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	4.8445	4.844	-0.0005
371	20	Unbiased	4.8956	4.8925	-0.0031
383	20	Unbiased	4.8619	4.8623	0.0004
390	50	Unbiased	4.8393	4.8643	0.025
444	30	Unbiased	4.8503	4.8442	-0.0061
509	30	Unbiased	4.9175	4.9226	0.0051
558	0	Correlation	4.9012	4.8888	-0.0124
724	20	Biased	4.7223	4.7334	0.0111
744	50	Biased	4.9061	4.94	0.0339
799	50	Biased	4.7913	4.8407	0.0494
842	30	Unbiased	4.8456	4.8555	0.0099
930	50	Unbiased	4.8537	4.866	0.0123
964	20	Unbiased	4.8193	4.8269	0.0076
1056	0	Correlation	4.8153	4.8083	-0.007
1095	50	Unbiased	4.8831	4.8742	-0.0089
1099	0	Correlation	4.7632	4.749	-0.0142
1215	50	Unbiased	4.8613	4.8792	0.0179
1229	50	Unbiased	4.8831	4.9159	0.0328
1297	20	Biased	4.8282	4.8136	-0.0146
1331	30	Unbiased	4.8395	4.8488	0.0093
1337	20	Biased	4.8458	4.8576	0.0118
1359	30	Biased	4.8558	4.8921	0.0363
1375	30	Unbiased	4.8097	4.826	0.0163
1398	30	Biased	4.8723	4.8629	-0.0094
1401	20	Biased	4.8792	4.8596	-0.0196
1411	50	Biased	4.884	4.9211	0.0371
1474	50	Biased	4.7734	4.7854	0.012
1500	20	Unbiased	4.7571	4.7514	-0.0057
1504	50	Biased	4.8606	4.8749	0.0143
1662	30	Biased	4.865	4.8665	0.0015
1703	30	Biased	4.8332	4.8405	0.0073
1736	30	Biased	4.8945	4.8875	-0.007
1737	0	Correlation	4.8224	4.812	-0.0104
1748	0	Correlation	4.855	4.8444	-0.0106
1794	20	Biased	4.8758	4.8638	-0.012

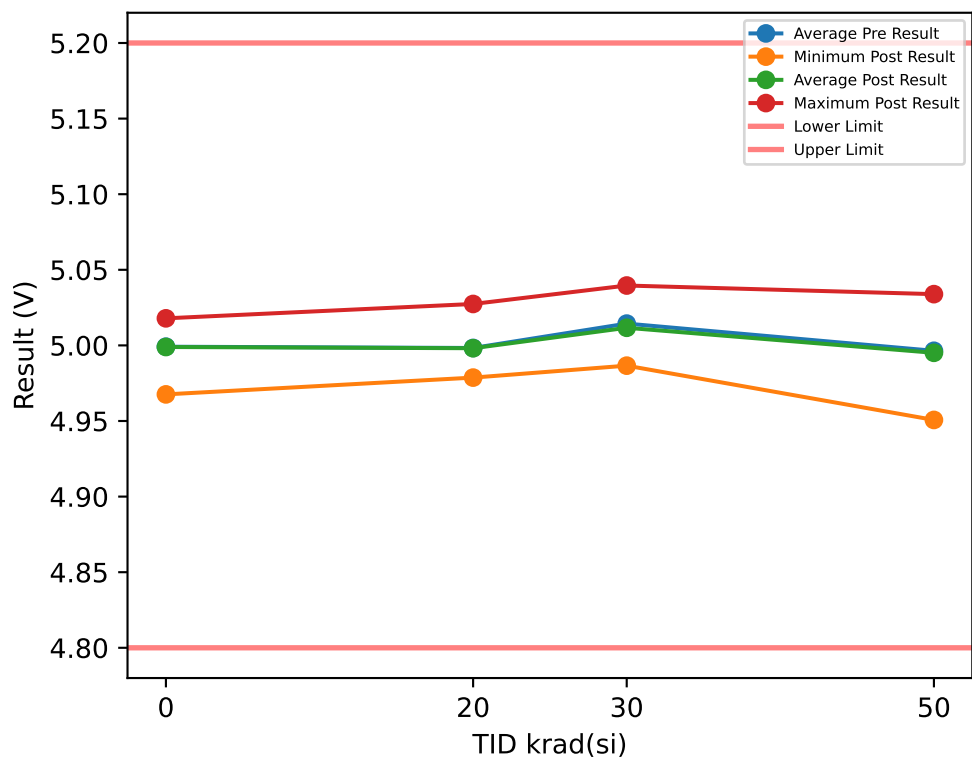
TID vs Post - Pre Exposure Delta



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	4.7632	4.8314	4.9012	0.05104	4.749	4.8205	4.8888	0.051404	-0.0142	-0.01092	-0.007	0.0026781
20	4.7223	4.833	4.8956	0.055018	4.7334	4.8305	4.8925	0.051328	-0.0196	-0.00246	0.0118	0.010768
30	4.8097	4.8583	4.9175	0.030971	4.826	4.8647	4.9226	0.028811	-0.0094	0.00632	0.0363	0.013435
50	4.7734	4.8536	4.9061	0.042226	4.7854	4.8762	4.94	0.044005	-0.0089	0.02258	0.0494	0.016559

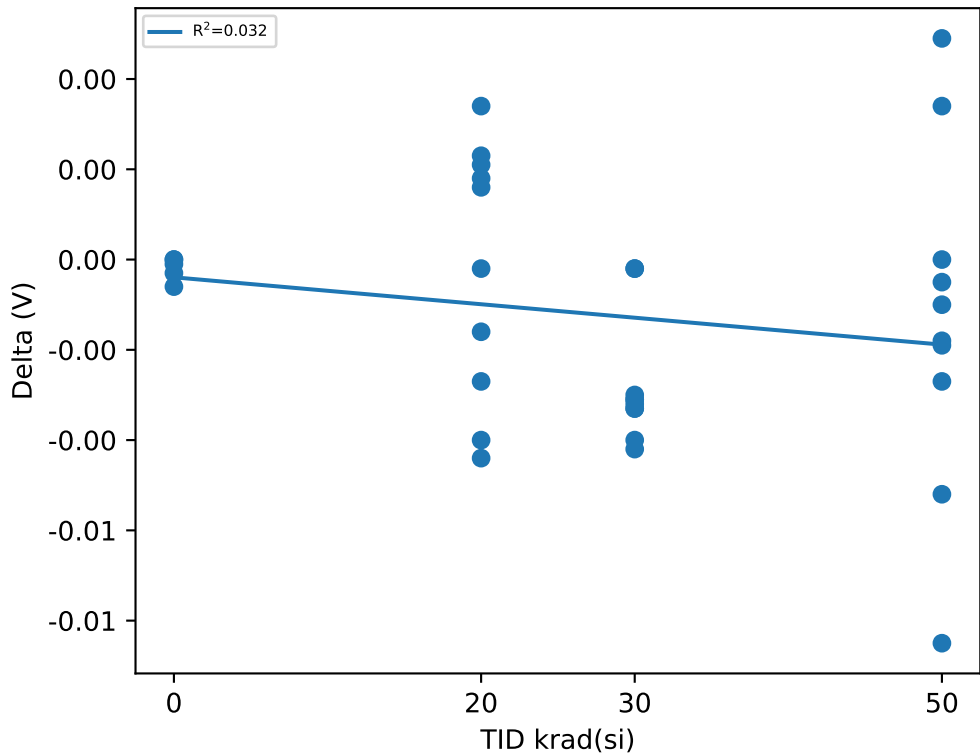
TID vs Result Stats



Test Results (Lower Limit = 4.8, Upper Limit = 5.2 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5.0048	5.0004	-0.0044
371	20	Unbiased	4.9951	4.9924	-0.0027
383	20	Unbiased	4.9753	4.9787	0.0034
390	50	Unbiased	5.0146	5.0127	-0.0019
444	30	Unbiased	4.9997	4.9995	-0.0002
509	30	Unbiased	5.006	5.0027	-0.0033
558	0	Correlation	4.9965	4.9962	-0.0003
724	20	Biased	4.9906	4.9904	-0.0002
744	50	Biased	4.9842	4.9832	-0.001
799	50	Biased	4.967	4.967	0
842	30	Unbiased	4.9898	4.9866	-0.0032
930	50	Unbiased	5.0267	5.0301	0.0034
964	20	Unbiased	4.9908	4.9929	0.0021
1056	0	Correlation	5.0048	5.0042	-0.0006
1095	50	Unbiased	5.0065	5.006	-0.0005
1099	0	Correlation	5.0089	5.0088	-0.0001
1215	50	Unbiased	5.0056	5.0105	0.0049
1229	50	Unbiased	5.0366	5.0339	-0.0027
1297	20	Biased	5.0012	4.9996	-0.0016
1331	30	Unbiased	5.0427	5.0396	-0.0031
1337	20	Biased	4.997	4.993	-0.004
1359	30	Biased	5.0164	5.0134	-0.003
1375	30	Unbiased	5.0288	5.0246	-0.0042
1398	30	Biased	5.0052	5.0021	-0.0031
1401	20	Biased	5.0256	5.0274	0.0018
1411	50	Biased	4.9908	4.9856	-0.0052
1474	50	Biased	4.9592	4.9507	-0.0085
1500	20	Unbiased	5.0232	5.0255	0.0023
1504	50	Biased	4.9731	4.9713	-0.0018
1662	30	Biased	5.0238	5.0198	-0.004
1703	30	Biased	5.0269	5.0267	-0.0002
1736	30	Biased	5.0048	5.0015	-0.0033
1737	0	Correlation	4.9676	4.9676	0
1748	0	Correlation	5.0179	5.0179	0
1794	20	Biased	4.9794	4.981	0.0016

TID vs Post - Pre Exposure Delta

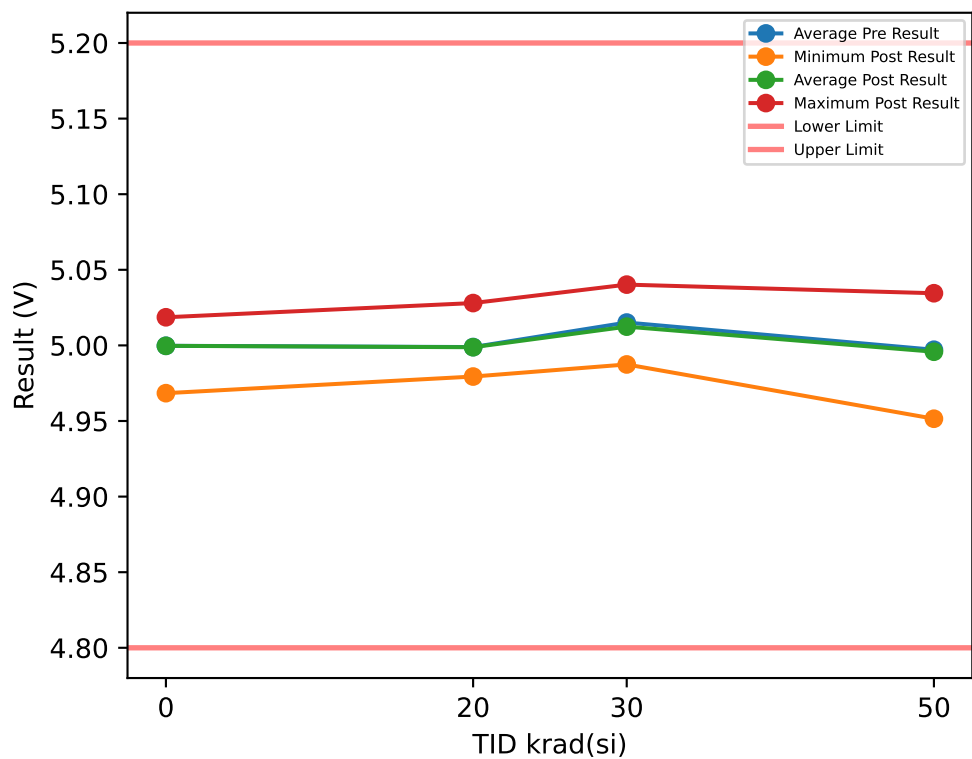


Test Statistics (V)

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	4.9676	4.9991	5.0179	0.019242	4.9676	4.9989	5.0179	0.019197	-0.0006	-0.0002	0	0.00025495
20	4.9753	4.9983	5.0256	0.01643	4.9787	4.9981	5.0274	0.016433	-0.0044	-0.00017	0.0034	0.0028288
30	4.9898	5.0144	5.0427	0.016074	4.9866	5.0117	5.0396	0.015966	-0.0042	-0.00276	-0.0002	0.0014057
50	4.9592	4.9964	5.0366	0.02587	4.9507	4.9951	5.0339	0.0278	-0.0085	-0.00133	0.0049	0.0038378

Device Test: 15.16 VLDO|V_VLDO/VLDO/12/12/0/0/5/500kHz//@V_LDO_INT

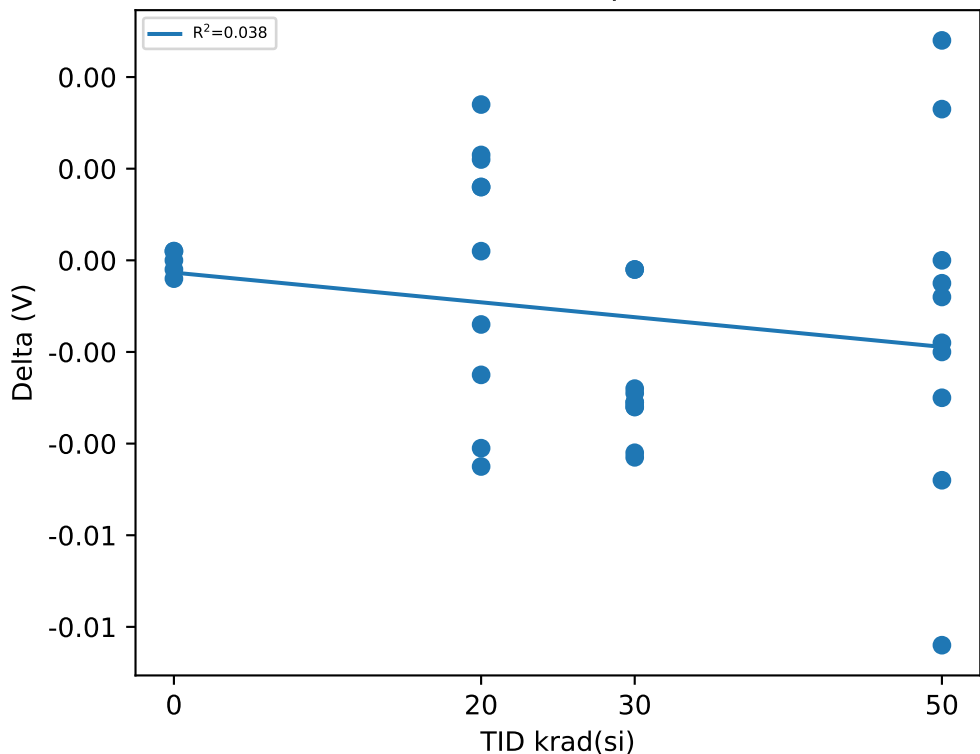
TID vs Result Stats



Test Results (Lower Limit = 4.8, Upper Limit = 5.2 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5.0055	5.001	-0.0045
371	20	Unbiased	4.9957	4.9932	-0.0025
383	20	Unbiased	4.976	4.9794	0.0034
390	50	Unbiased	5.0153	5.0133	-0.002
444	30	Unbiased	5.0004	5.0002	-0.0002
509	30	Unbiased	5.0066	5.0035	-0.0031
558	0	Correlation	4.997	4.9968	-0.0002
724	20	Biased	4.9911	4.9913	0.0002
744	50	Biased	4.9848	4.984	-0.0008
799	50	Biased	4.9678	4.9678	0
842	30	Unbiased	4.9903	4.9874	-0.0029
930	50	Unbiased	5.0274	5.0307	0.0033
964	20	Unbiased	4.9912	4.9935	0.0023
1056	0	Correlation	5.0055	5.0051	-0.0004
1095	50	Unbiased	5.0073	5.0068	-0.0005
1099	0	Correlation	5.0094	5.0096	0.0002
1215	50	Unbiased	5.0063	5.0111	0.0048
1229	50	Unbiased	5.0375	5.0345	-0.003
1297	20	Biased	5.0017	5.0003	-0.0014
1331	30	Unbiased	5.0434	5.0402	-0.0032
1337	20	Biased	4.9977	4.9936	-0.0041
1359	30	Biased	5.0172	5.0141	-0.0031
1375	30	Unbiased	5.0297	5.0254	-0.0043
1398	30	Biased	5.0058	5.003	-0.0028
1401	20	Biased	5.0264	5.028	0.0016
1411	50	Biased	4.9913	4.9865	-0.0048
1474	50	Biased	4.9599	4.9515	-0.0084
1500	20	Unbiased	5.0239	5.0261	0.0022
1504	50	Biased	4.9737	4.9719	-0.0018
1662	30	Biased	5.0246	5.0204	-0.0042
1703	30	Biased	5.0277	5.0275	-0.0002
1736	30	Biased	5.0055	5.0023	-0.0032
1737	0	Correlation	4.9684	4.9684	0
1748	0	Correlation	5.0184	5.0186	0.0002
1794	20	Biased	4.9799	4.9815	0.0016

TID vs Post - Pre Exposure Delta

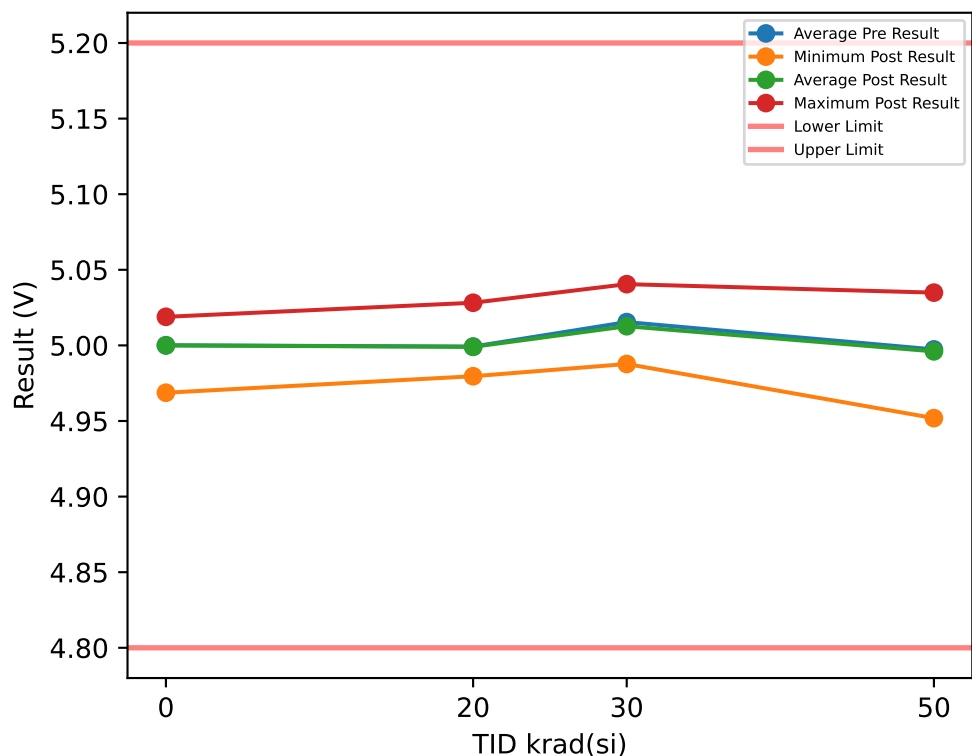


Test Statistics (V)

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	4.9684	4.9997	5.0184	0.019134	4.9684	4.9997	5.0186	0.019186	-0.0004	-4e-05	0.0002	0.00026077
20	4.976	4.9989	5.0264	0.016499	4.9794	4.9988	5.028	0.016409	-0.0045	-0.00012	0.0034	0.002828
30	4.9903	5.0151	5.0434	0.016157	4.9874	5.0124	5.0402	0.015917	-0.0043	-0.00272	-0.0002	0.0014211
50	4.9599	4.9971	5.0375	0.025916	4.9515	4.9958	5.0345	0.02773	-0.0084	-0.00132	0.0048	0.00376

Device Test: 15.17 VLDO|V_VLDO/VLDO/14/14/0/0/5/500kHz//@V_LDO_INT

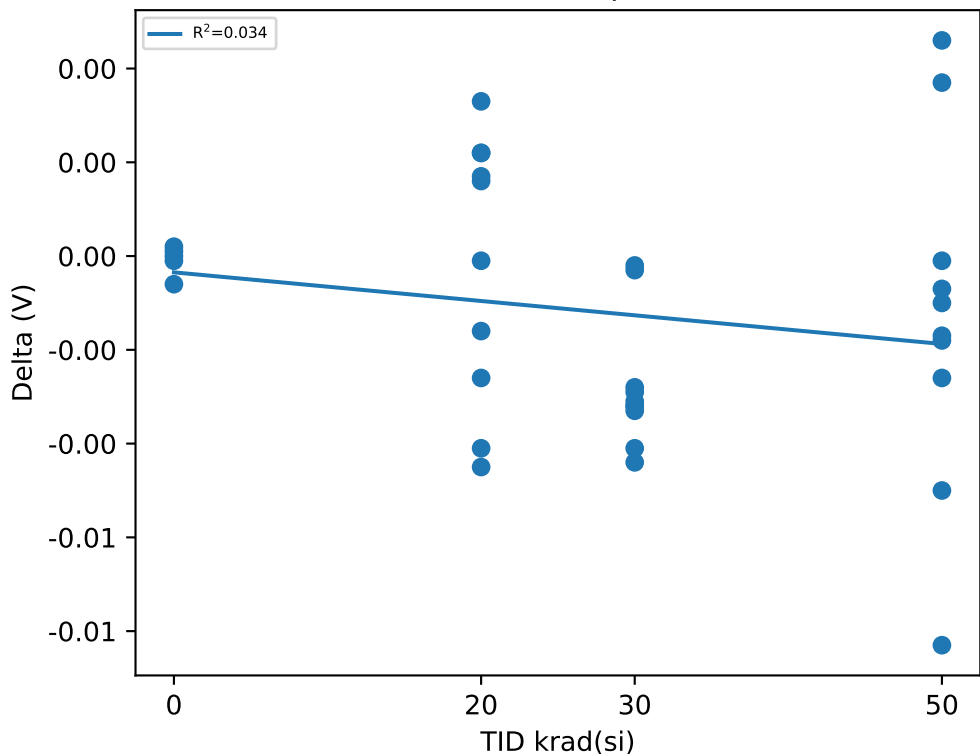
TID vs Result Stats



Test Results (Lower Limit = 4.8, Upper Limit = 5.2 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5.0057	5.0012	-0.0045
371	20	Unbiased	4.9961	4.9935	-0.0026
383	20	Unbiased	4.9763	4.9796	0.0033
390	50	Unbiased	5.0154	5.0136	-0.0018
444	30	Unbiased	5.0006	5.0003	-0.0003
509	30	Unbiased	5.007	5.0038	-0.0032
558	0	Correlation	4.9973	4.9972	-0.0001
724	20	Biased	4.9915	4.9914	-0.0001
744	50	Biased	4.9851	4.9841	-0.001
799	50	Biased	4.9681	4.968	-0.0001
842	30	Unbiased	4.9905	4.9877	-0.0028
930	50	Unbiased	5.0274	5.0311	0.0037
964	20	Unbiased	4.9916	4.9938	0.0022
1056	0	Correlation	5.0059	5.0053	-0.0006
1095	50	Unbiased	5.0075	5.0068	-0.0007
1099	0	Correlation	5.0097	5.0099	0.0002
1215	50	Unbiased	5.0067	5.0113	0.0046
1229	50	Unbiased	5.0375	5.0349	-0.0026
1297	20	Biased	5.0022	5.0006	-0.0016
1331	30	Unbiased	5.0438	5.0405	-0.0033
1337	20	Biased	4.9979	4.9938	-0.0041
1359	30	Biased	5.0174	5.0145	-0.0029
1375	30	Unbiased	5.0299	5.0258	-0.0041
1398	30	Biased	5.0062	5.0031	-0.0031
1401	20	Biased	5.0266	5.0282	0.0016
1411	50	Biased	4.9916	4.9866	-0.005
1474	50	Biased	4.9602	4.9519	-0.0083
1500	20	Unbiased	5.0241	5.0263	0.0022
1504	50	Biased	4.974	4.9723	-0.0017
1662	30	Biased	5.025	5.0206	-0.0044
1703	30	Biased	5.028	5.0278	-0.0002
1736	30	Biased	5.0058	5.0026	-0.0032
1737	0	Correlation	4.9687	4.9687	0
1748	0	Correlation	5.0188	5.0189	0.0001
1794	20	Biased	4.9802	4.9819	0.0017

TID vs Post - Pre Exposure Delta

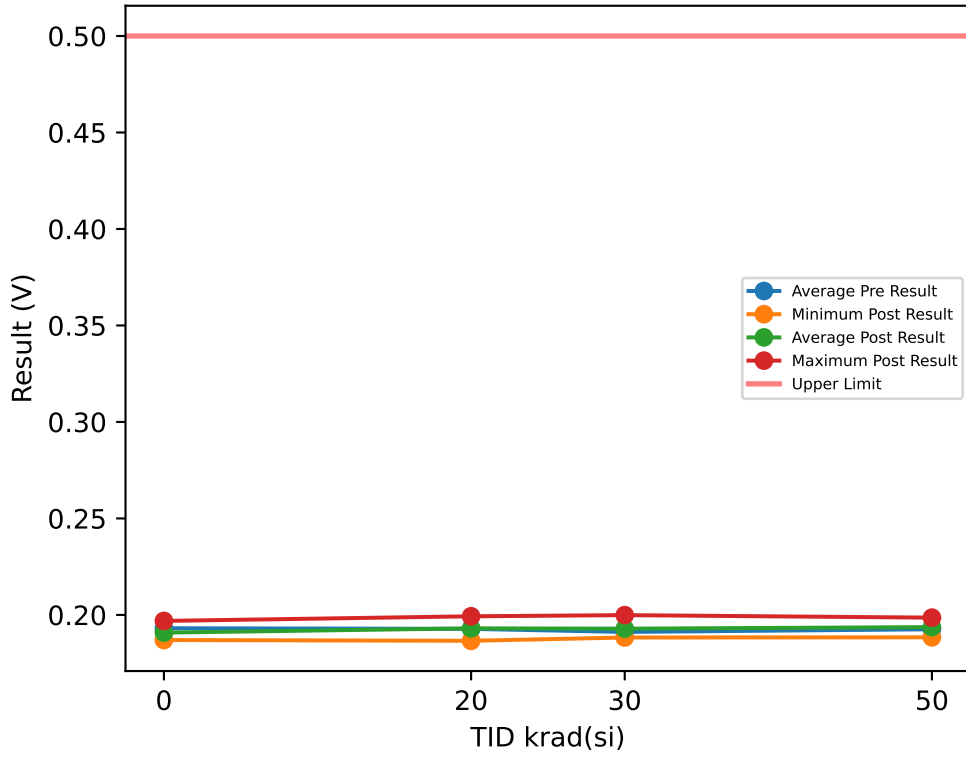


Test Statistics (V)

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	4.9687	5.0001	5.0188	0.019166	4.9687	5	5.0189	0.019176	-0.0006	-8e-05	0.0002	0.00031145
20	4.9763	4.9992	5.0266	0.016451	4.9796	4.999	5.0282	0.016385	-0.0045	-0.00019	0.0033	0.0028294
30	4.9905	5.0154	5.0438	0.016187	4.9877	5.0127	5.0405	0.015952	-0.0044	-0.00275	-0.0002	0.0014105
50	4.9602	4.9973	5.0375	0.02581	4.9519	4.9961	5.0349	0.027741	-0.0083	-0.00129	0.0046	0.0037489

Device Test: 15.19 VLDO|VDO_VLDO/VLDO/8/8/0/0/5/500kHz//@V_LDO_DO_INT

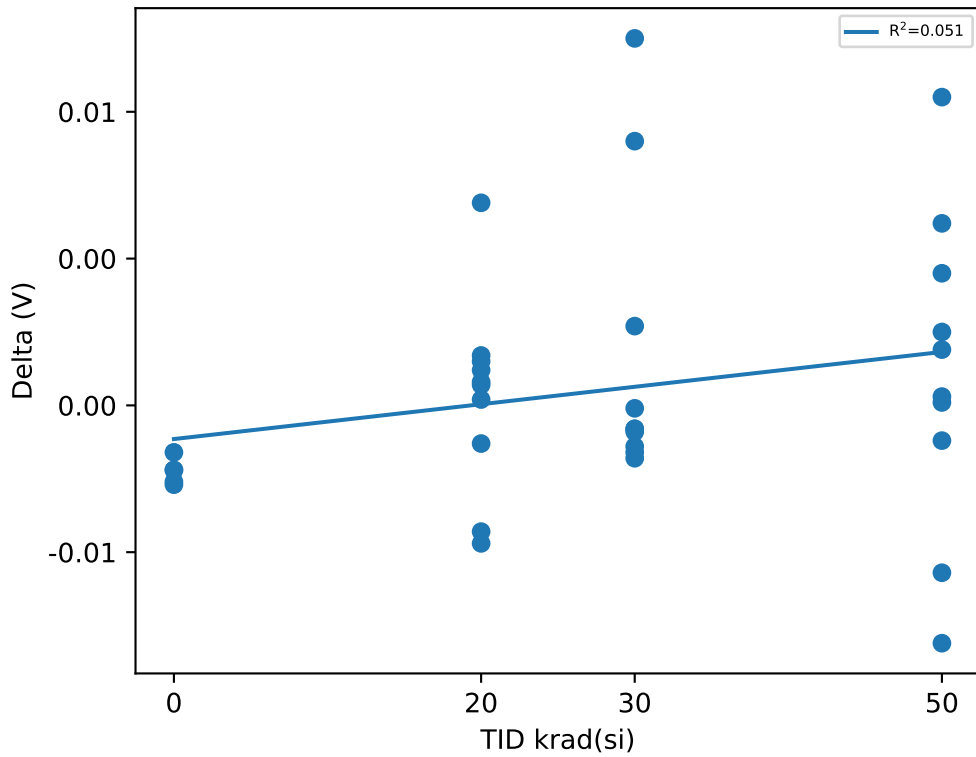
TID vs Result Stats



Test Results (Upper Limit = 0.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.1924	0.1993	0.0069
371	20	Unbiased	0.1979	0.1932	-0.0047
383	20	Unbiased	0.1923	0.194	0.0017
390	50	Unbiased	0.188	0.1899	0.0019
444	30	Unbiased	0.1874	0.1999	0.0125
509	30	Unbiased	0.1946	0.1932	-0.0014
558	0	Correlation	0.1985	0.1969	-0.0016
724	20	Biased	0.1888	0.189	0.0002
744	50	Biased	0.1885	0.193	0.0045
799	50	Biased	0.197	0.1889	-0.0081
842	30	Unbiased	0.19	0.1884	-0.0016
930	50	Unbiased	0.1997	0.194	-0.0057
964	20	Unbiased	0.1894	0.1901	0.0007
1056	0	Correlation	0.1913	0.1887	-0.0026
1095	50	Unbiased	0.1938	0.1963	0.0025
1099	0	Correlation	0.1909	0.1887	-0.0022
1215	50	Unbiased	0.1924	0.1986	0.0062
1229	50	Unbiased	0.1979	0.1982	0.0003
1297	20	Biased	0.1879	0.1866	-0.0013
1331	30	Unbiased	0.1901	0.1883	-0.0018
1337	20	Biased	0.1976	0.1933	-0.0043
1359	30	Biased	0.1884	0.1883	-0.0001
1375	30	Unbiased	0.1895	0.1985	0.009
1398	30	Biased	0.1904	0.1895	-0.0009
1401	20	Biased	0.1968	0.198	0.0012
1411	50	Biased	0.1944	0.1932	-0.0012
1474	50	Biased	0.1858	0.1963	0.0105
1500	20	Unbiased	0.1918	0.1926	0.0008
1504	50	Biased	0.1883	0.1884	0.0001
1662	30	Biased	0.193	0.1922	-0.0008
1703	30	Biased	0.1963	0.199	0.0027
1736	30	Biased	0.1923	0.1915	-0.0008
1737	0	Correlation	0.1951	0.1929	-0.0022
1748	0	Correlation	0.1897	0.187	-0.0027
1794	20	Biased	0.1929	0.1944	0.0015

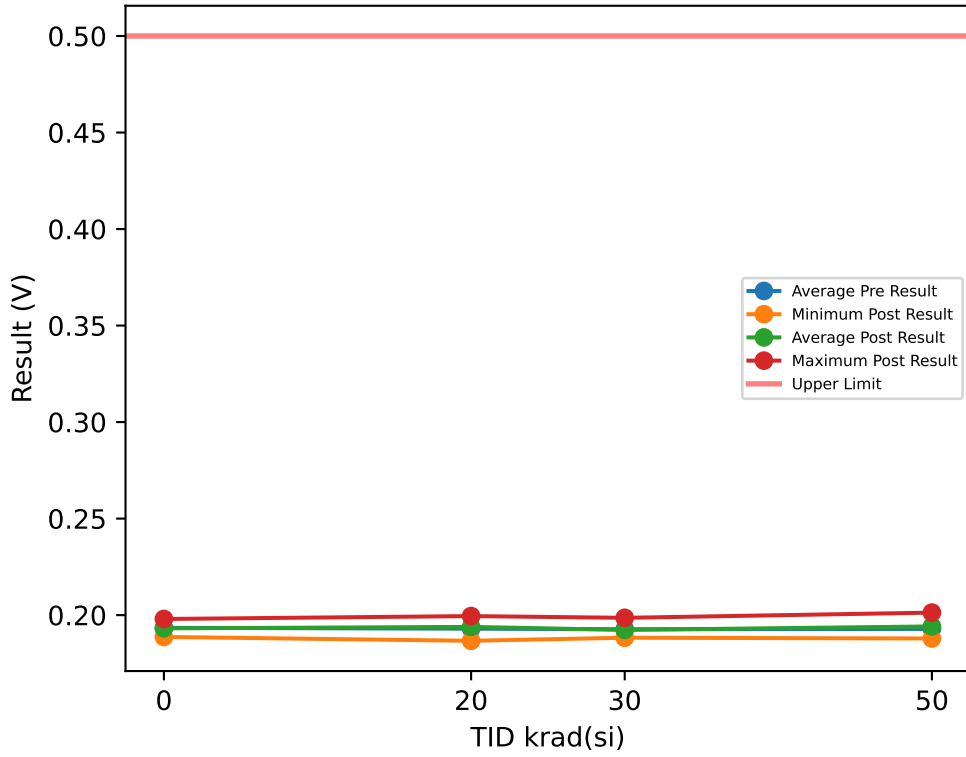
TID vs Post - Pre Exposure Delta



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	0.1897	0.1931	0.1985	0.0036332	0.187	0.19084	0.1969	0.0040272	-0.0027	-0.00226	-0.0016	0.00043359
20	0.1879	0.19278	0.1979	0.0036215	0.1866	0.19305	0.1993	0.0038483	-0.0047	0.00027	0.0069	0.0032813
30	0.1874	0.1912	0.1963	0.0027984	0.1883	0.19288	0.1999	0.0046456	-0.0018	0.00168	0.0125	0.005013
50	0.1858	0.19258	0.1997	0.0047758	0.1884	0.19368	0.1986	0.0037145	-0.0081	0.0011	0.0105	0.00544

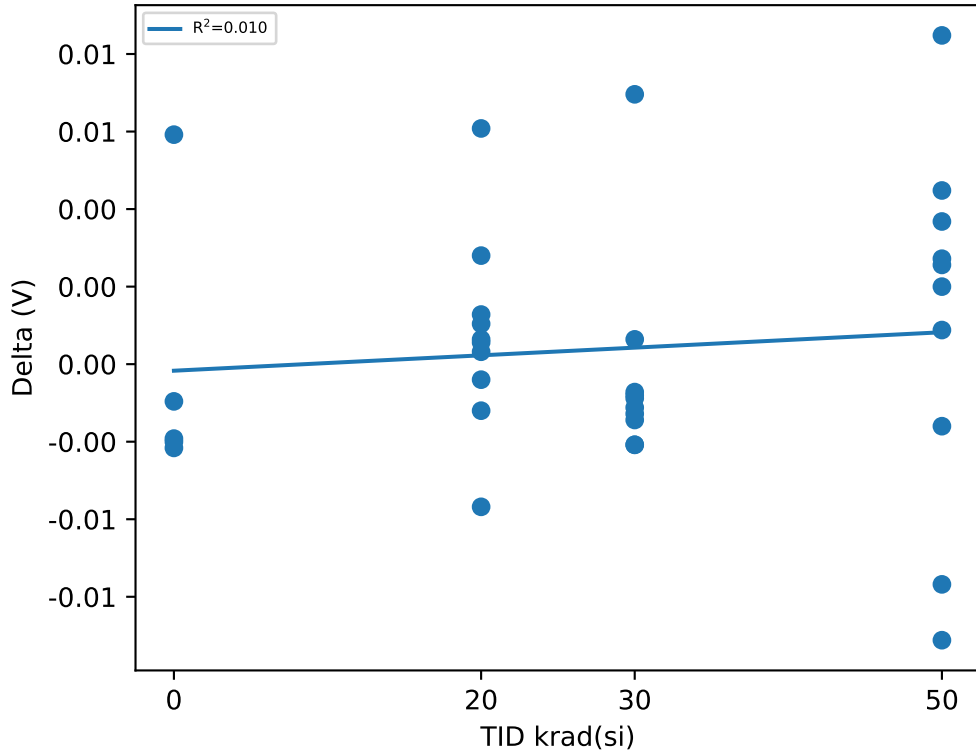
TID vs Result Stats



Test Results (Upper Limit = 0.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.1919	0.1995	0.0076
371	20	Unbiased	0.1985	0.198	-0.0005
383	20	Unbiased	0.1923	0.1936	0.0013
390	50	Unbiased	0.1884	0.1895	0.0011
444	30	Unbiased	0.2004	0.1986	-0.0018
509	30	Unbiased	0.195	0.1924	-0.0026
558	0	Correlation	0.1991	0.1966	-0.0025
724	20	Biased	0.1888	0.1892	0.0004
744	50	Biased	0.1887	0.1933	0.0046
799	50	Biased	0.1984	0.1895	-0.0089
842	30	Unbiased	0.1909	0.1883	-0.0026
930	50	Unbiased	0.1998	0.1978	-0.002
964	20	Unbiased	0.1896	0.1904	0.0008
1056	0	Correlation	0.1906	0.198	0.0074
1095	50	Unbiased	0.1938	0.1963	0.0025
1099	0	Correlation	0.1911	0.1887	-0.0024
1215	50	Unbiased	0.1924	0.198	0.0056
1229	50	Unbiased	0.1979	0.2013	0.0034
1297	20	Biased	0.1882	0.1867	-0.0015
1331	30	Unbiased	0.19	0.1884	-0.0016
1337	20	Biased	0.1979	0.1933	-0.0046
1359	30	Biased	0.1888	0.1896	0.0008
1375	30	Unbiased	0.1894	0.1981	0.0087
1398	30	Biased	0.1904	0.1895	-0.0009
1401	20	Biased	0.1973	0.198	0.0007
1411	50	Biased	0.195	0.1879	-0.0071
1474	50	Biased	0.1861	0.1967	0.0106
1500	20	Unbiased	0.1922	0.1957	0.0035
1504	50	Biased	0.188	0.1912	0.0032
1662	30	Biased	0.1931	0.1917	-0.0014
1703	30	Biased	0.1964	0.1953	-0.0011
1736	30	Biased	0.1924	0.1914	-0.001
1737	0	Correlation	0.1949	0.1922	-0.0027
1748	0	Correlation	0.1914	0.1902	-0.0012
1794	20	Biased	0.1931	0.1947	0.0016

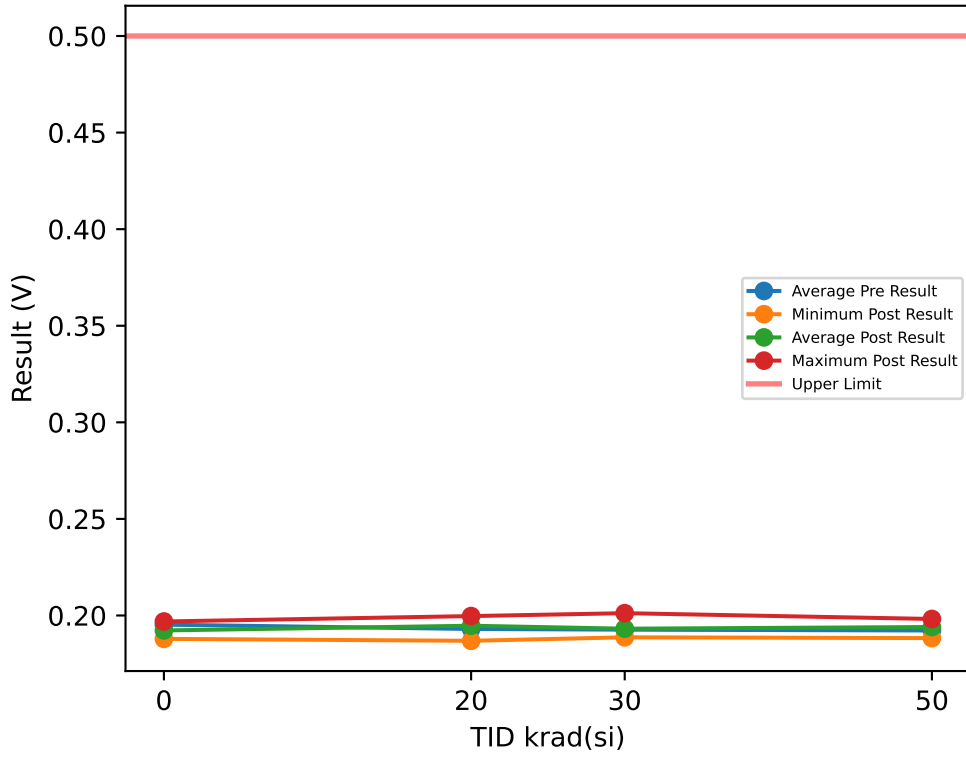
TID vs Post - Pre Exposure Delta



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	0.1906	0.19342	0.1991	0.003601	0.1887	0.19314	0.198	0.0040259	-0.0027	-0.00028	0.0074	0.0043332
20	0.1882	0.19298	0.1985	0.0037614	0.1867	0.19391	0.1995	0.0041565	-0.0046	0.00093	0.0076	0.0031721
30	0.1888	0.19268	0.2004	0.0036581	0.1883	0.19233	0.1986	0.0037983	-0.0026	-0.00035	0.0087	0.0033234
50	0.1861	0.19285	0.1998	0.004904	0.1879	0.19415	0.2013	0.0044985	-0.0089	0.0013	0.0106	0.0058771

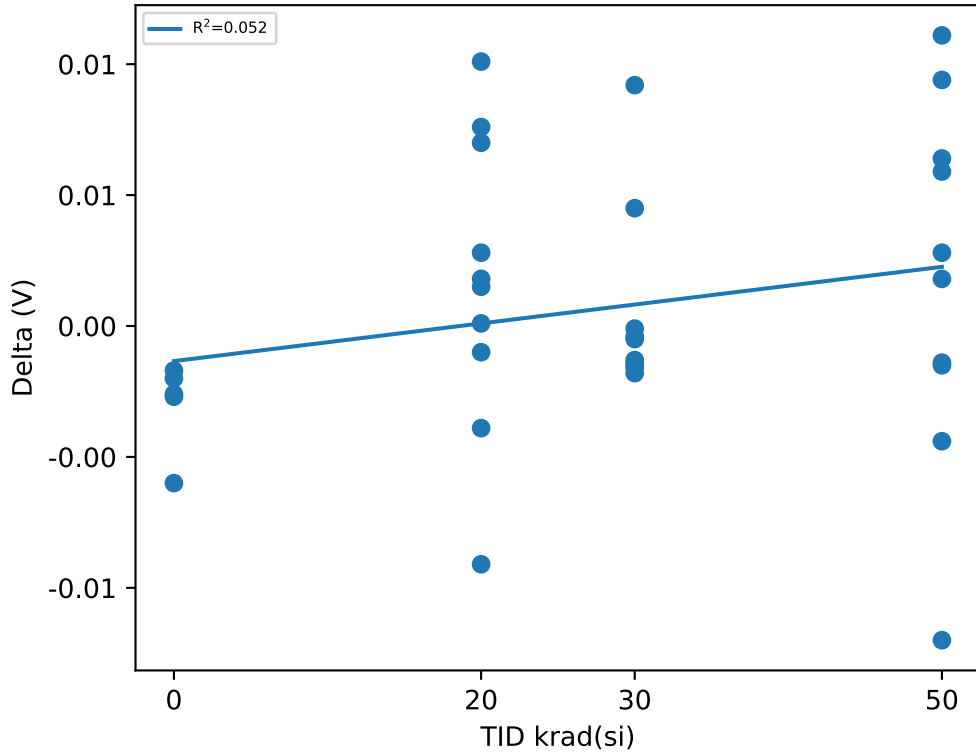
TID vs Result Stats



Test Results (Upper Limit = 0.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.1918	0.1994	0.0076
371	20	Unbiased	0.1986	0.1895	-0.0091
383	20	Unbiased	0.1925	0.1943	0.0018
390	50	Unbiased	0.1909	0.1895	-0.0014
444	30	Unbiased	0.1908	0.1893	-0.0015
509	30	Unbiased	0.1982	0.1977	-0.0005
558	0	Correlation	0.1989	0.1969	-0.002
724	20	Biased	0.1891	0.1992	0.0101
744	50	Biased	0.1889	0.1953	0.0064
799	50	Biased	0.1877	0.1895	0.0018
842	30	Unbiased	0.1904	0.1891	-0.0013
930	50	Unbiased	0.2003	0.1883	-0.012
964	20	Unbiased	0.1902	0.1903	0.0001
1056	0	Correlation	0.1939	0.1879	-0.006
1095	50	Unbiased	0.1937	0.1965	0.0028
1099	0	Correlation	0.1907	0.189	-0.0017
1215	50	Unbiased	0.1923	0.1982	0.0059
1229	50	Unbiased	0.199	0.1975	-0.0015
1297	20	Biased	0.1879	0.1869	-0.001
1331	30	Unbiased	0.1903	0.1887	-0.0016
1337	20	Biased	0.1977	0.1938	-0.0039
1359	30	Biased	0.1889	0.1934	0.0045
1375	30	Unbiased	0.1896	0.1988	0.0092
1398	30	Biased	0.1903	0.1902	-0.0001
1401	20	Biased	0.1969	0.1997	0.0028
1411	50	Biased	0.1952	0.1908	-0.0044
1474	50	Biased	0.1862	0.1973	0.0111
1500	20	Unbiased	0.1924	0.1994	0.007
1504	50	Biased	0.1881	0.1975	0.0094
1662	30	Biased	0.193	0.1916	-0.0014
1703	30	Biased	0.2016	0.2012	-0.0004
1736	30	Biased	0.1935	0.1917	-0.0018
1737	0	Correlation	0.1951	0.1925	-0.0026
1748	0	Correlation	0.1977	0.195	-0.0027
1794	20	Biased	0.1931	0.1946	0.0015

TID vs Post - Pre Exposure Delta

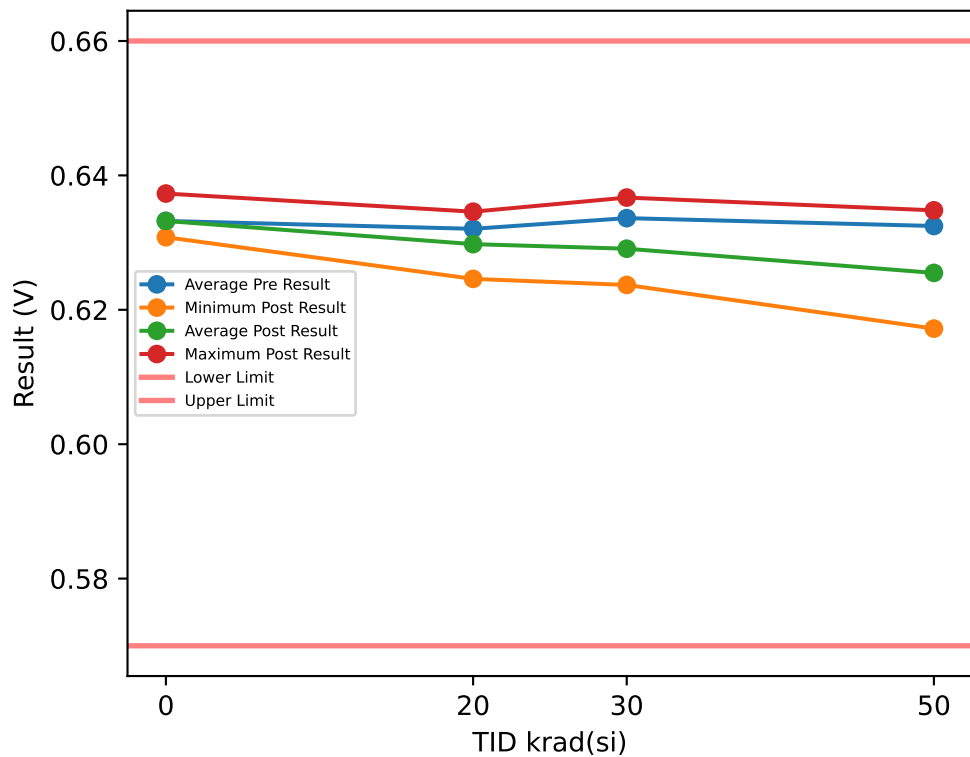


Test Statistics (V)

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	0.1907	0.19526	0.1989	0.0032354	0.1879	0.19226	0.1969	0.0038318	-0.006	-0.003	-0.0017	0.0017277
20	0.1879	0.19302	0.1986	0.0036481	0.1869	0.19471	0.1997	0.0046863	-0.0091	0.00169	0.0101	0.0057015
30	0.1889	0.19266	0.2016	0.0041452	0.1887	0.19317	0.2012	0.0044935	-0.0018	0.00051	0.0092	0.0035654
50	0.1862	0.19223	0.2003	0.004816	0.1883	0.19404	0.1982	0.0040026	-0.012	0.00181	0.0111	0.0069381

Device Test: 16.10 LEVEL|EN_RISE/EN/14/14/0/0/5/500kHz//@V_EN_RISE

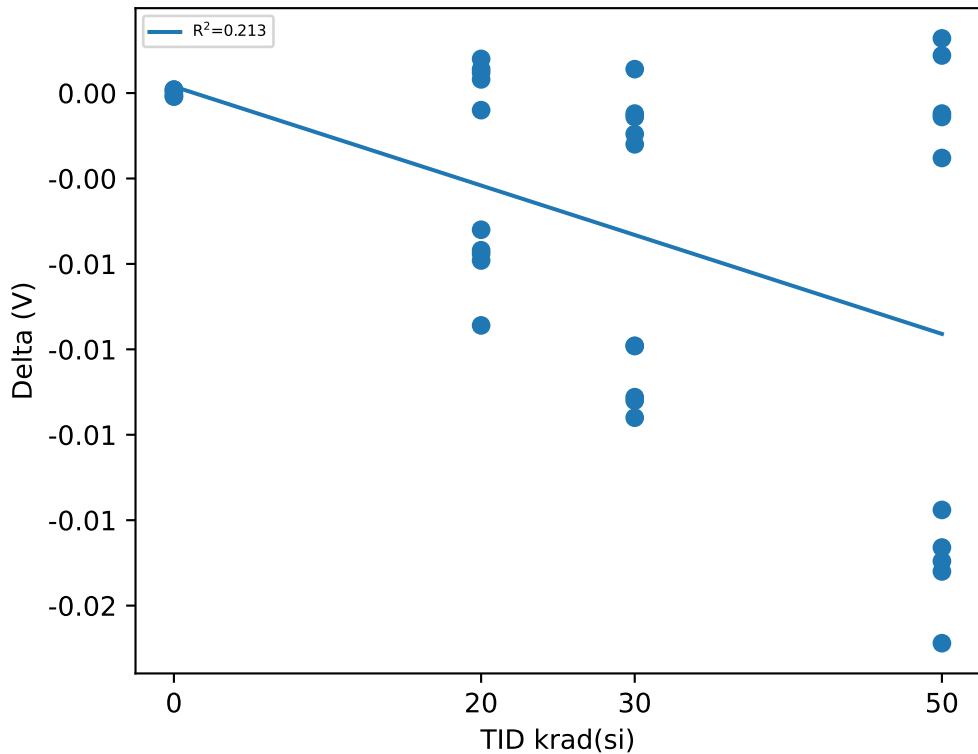
TID vs Result Stats



Test Results (Lower Limit = 0.57, Upper Limit = 0.66 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.6315	0.6319	0.0004
371	20	Unbiased	0.6339	0.6346	0.0007
383	20	Unbiased	0.6305	0.6315	0.001
390	50	Unbiased	0.6333	0.6327	-0.0006
444	30	Unbiased	0.6326	0.6314	-0.0012
509	30	Unbiased	0.6312	0.6319	0.0007
558	0	Correlation	0.6307	0.6308	0.0001
724	20	Biased	0.6326	0.6286	-0.004
744	50	Biased	0.6307	0.6185	-0.0122
799	50	Biased	0.634	0.62	-0.014
842	30	Unbiased	0.6373	0.6367	-0.0006
930	50	Unbiased	0.6332	0.6313	-0.0019
964	20	Unbiased	0.6334	0.634	0.0006
1056	0	Correlation	0.6313	0.6314	0.0001
1095	50	Unbiased	0.6332	0.6348	0.0016
1099	0	Correlation	0.6373	0.6373	0
1215	50	Unbiased	0.6321	0.6314	-0.0007
1229	50	Unbiased	0.6315	0.6326	0.0011
1297	20	Biased	0.6306	0.6259	-0.0047
1331	30	Unbiased	0.6333	0.6318	-0.0015
1337	20	Biased	0.6314	0.6246	-0.0068
1359	30	Biased	0.6366	0.6277	-0.0089
1375	30	Unbiased	0.63	0.6293	-0.0007
1398	30	Biased	0.6333	0.6259	-0.0074
1401	20	Biased	0.6347	0.6298	-0.0049
1411	50	Biased	0.6333	0.6172	-0.0161
1474	50	Biased	0.6314	0.6177	-0.0137
1500	20	Unbiased	0.6307	0.6302	-0.0005
1504	50	Biased	0.632	0.6187	-0.0133
1662	30	Biased	0.634	0.6266	-0.0074
1703	30	Biased	0.6327	0.6237	-0.009
1736	30	Biased	0.6354	0.6259	-0.0095
1737	0	Correlation	0.6341	0.634	-0.0001
1748	0	Correlation	0.6327	0.6326	-0.0001
1794	20	Biased	0.6312	0.6266	-0.0046

TID vs Post - Pre Exposure Delta

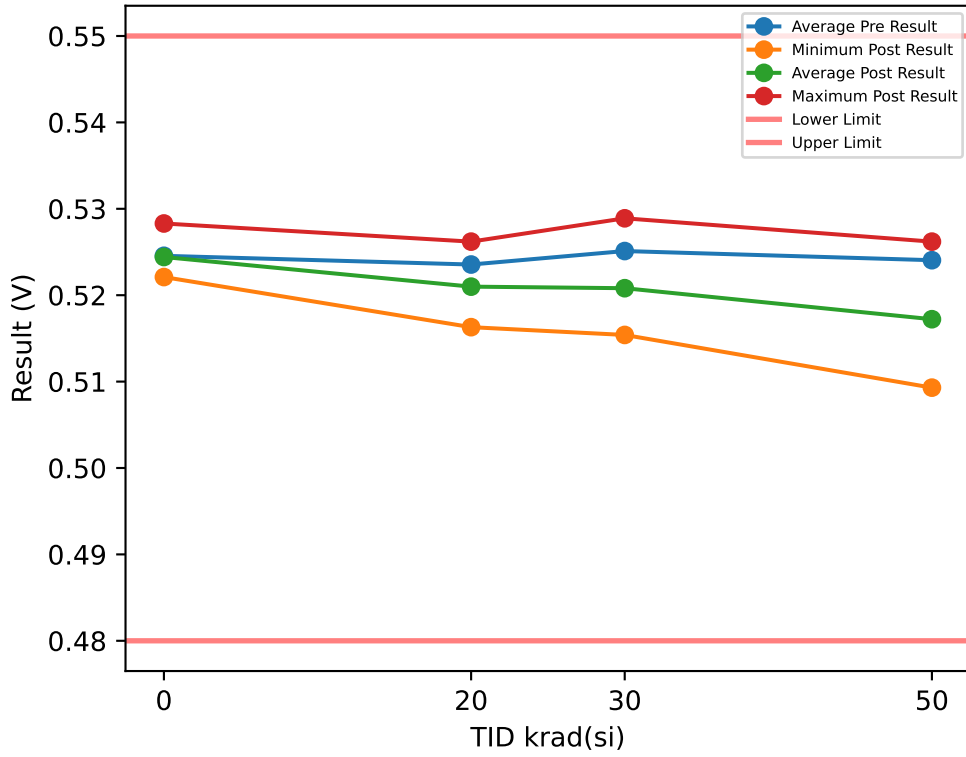


Test Statistics (V)

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	0.6307	0.63322	0.6373	0.0026329	0.6308	0.63322	0.6373	0.0025888	-0.0001	0	0.0001	0.0001
20	0.6305	0.63205	0.6347	0.0015035	0.6246	0.62977	0.6346	0.0033675	-0.0068	-0.00228	0.001	0.0029772
30	0.63	0.63364	0.6373	0.00228	0.6237	0.62909	0.6367	0.0038883	-0.0095	-0.00455	0.0007	0.0041897
50	0.6307	0.63247	0.634	0.001073	0.6172	0.62549	0.6348	0.0075455	-0.0161	-0.00698	0.0016	0.0073761

Device Test: 16.11 LEVEL|EN_FALL/EN/14/14/0/0/5/500kHz//@V_EN_FALL

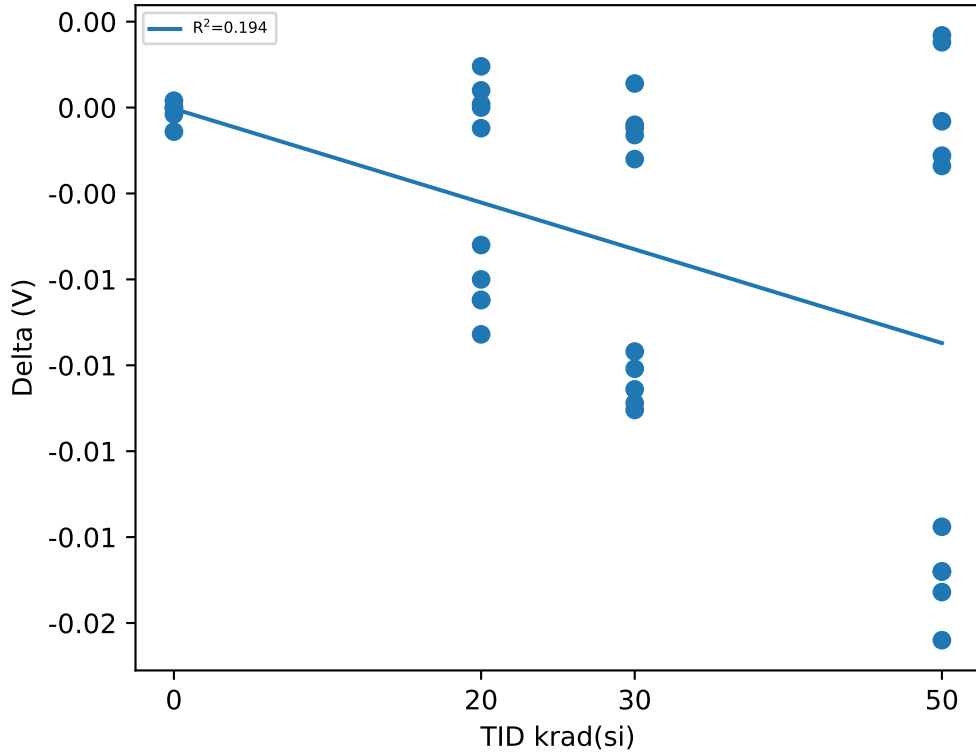
TID vs Result Stats



Test Results (Lower Limit = 0.48, Upper Limit = 0.55 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.5221	0.5233	0.0012
371	20	Unbiased	0.5261	0.5262	0.0001
383	20	Unbiased	0.5228	0.5233	0.0005
390	50	Unbiased	0.5246	0.5242	-0.0004
444	30	Unbiased	0.5241	0.5226	-0.0015
509	30	Unbiased	0.5234	0.5241	0.0007
558	0	Correlation	0.5228	0.5221	-0.0007
724	20	Biased	0.5233	0.5193	-0.004
744	50	Biased	0.5229	0.5107	-0.0122
799	50	Biased	0.5255	0.5114	-0.0141
842	30	Unbiased	0.5294	0.5289	-0.0005
930	50	Unbiased	0.5245	0.5228	-0.0017
964	20	Unbiased	0.5248	0.5248	0
1056	0	Correlation	0.5227	0.5227	0
1095	50	Unbiased	0.5243	0.5262	0.0019
1099	0	Correlation	0.5281	0.5283	0.0002
1215	50	Unbiased	0.5242	0.5228	-0.0014
1229	50	Unbiased	0.5228	0.5249	0.0021
1297	20	Biased	0.523	0.518	-0.005
1331	30	Unbiased	0.5242	0.5234	-0.0008
1337	20	Biased	0.5229	0.5163	-0.0066
1359	30	Biased	0.5283	0.5201	-0.0082
1375	30	Unbiased	0.5214	0.5208	-0.0006
1398	30	Biased	0.5247	0.5176	-0.0071
1401	20	Biased	0.5262	0.5206	-0.0056
1411	50	Biased	0.5248	0.5093	-0.0155
1474	50	Biased	0.5228	0.5093	-0.0135
1500	20	Unbiased	0.5214	0.5208	-0.0006
1504	50	Biased	0.5241	0.5106	-0.0135
1662	30	Biased	0.5255	0.5179	-0.0076
1703	30	Biased	0.524	0.5154	-0.0086
1736	30	Biased	0.5261	0.5173	-0.0088
1737	0	Correlation	0.5249	0.5249	0
1748	0	Correlation	0.5243	0.5241	-0.0002
1794	20	Biased	0.5229	0.5173	-0.0056

TID vs Post - Pre Exposure Delta

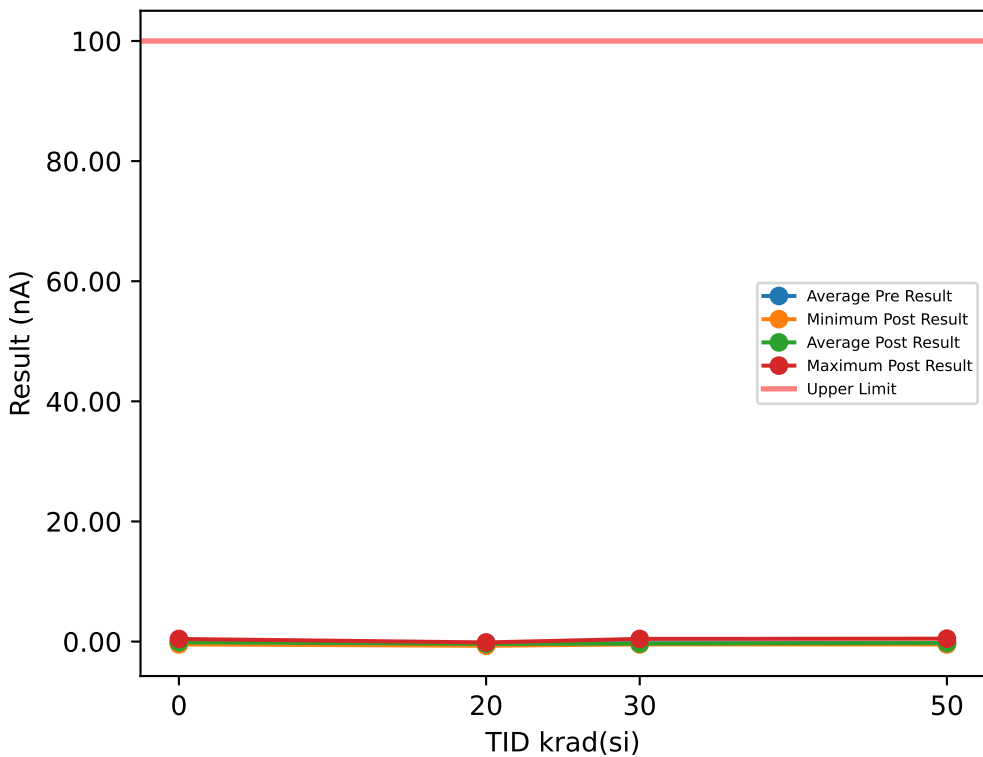


Test Statistics (V)

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	0.5227	0.52456	0.5281	0.002195	0.5221	0.52442	0.5283	0.0024356	-0.0007	-0.00014	0.0002	0.00034351
20	0.5214	0.52355	0.5262	0.0016188	0.5163	0.52099	0.5262	0.0033321	-0.0066	-0.00256	0.0012	0.0030515
30	0.5214	0.52511	0.5294	0.0023487	0.5154	0.52081	0.5289	0.0040421	-0.0088	-0.0043	0.0007	0.0040263
50	0.5228	0.52405	0.5255	0.00092526	0.5093	0.51722	0.5262	0.0074258	-0.0155	-0.00683	0.0021	0.0074457

Device Test: 16.13 LEAK|EN_LEAK/EN/14/14/0/0/5/500kHz//@I_EN_LEAK_1V

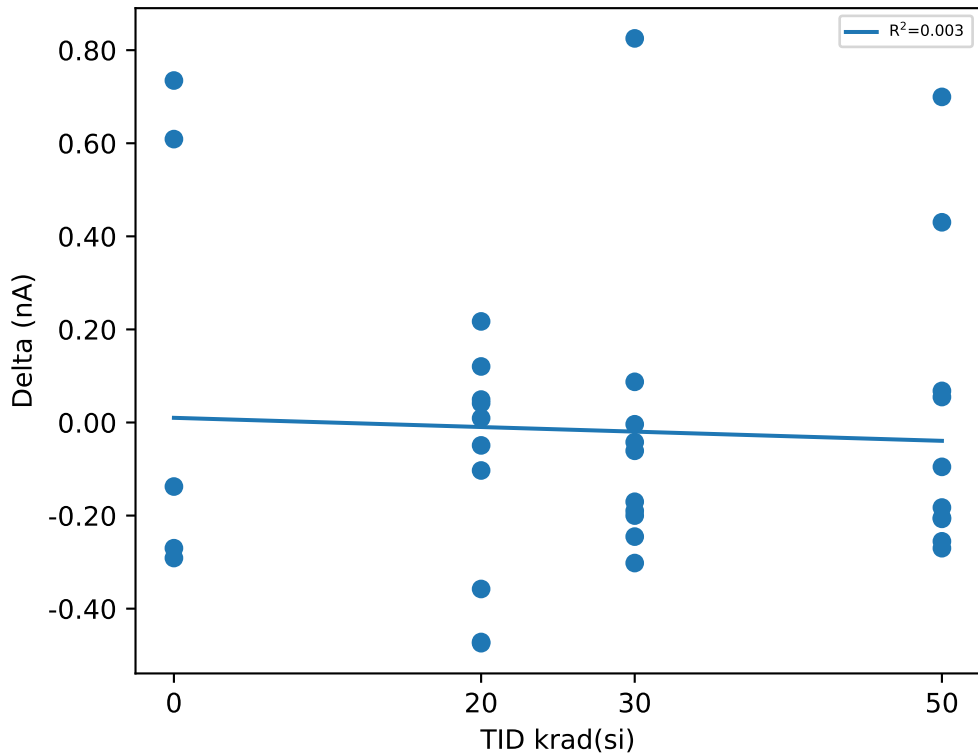
TID vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.3369	-0.2954	0.0415
371	20	Unbiased	-0.5541	-0.3369	0.2172
383	20	Unbiased	-0.551	-0.4306	0.1204
390	50	Unbiased	-0.1642	-0.3688	-0.2046
444	30	Unbiased	-0.3244	-0.3666	-0.0422
509	30	Unbiased	-0.2072	-0.4072	-0.2
558	0	Correlation	-0.2798	0.3291	0.6089
724	20	Biased	-0.1481	-0.6197	-0.4716
744	50	Biased	-0.2142	0.4854	0.6996
799	50	Biased	-0.1792	-0.4493	-0.2701
842	30	Unbiased	-0.2267	-0.4165	-0.1898
930	50	Unbiased	-0.2298	-0.4368	-0.207
964	20	Unbiased	-0.1736	-0.2228	-0.0492
1056	0	Correlation	-0.2994	0.4354	0.7348
1095	50	Unbiased	-0.1855	0.2447	0.4302
1099	0	Correlation	-0.183	-0.4742	-0.2912
1215	50	Unbiased	-0.4118	-0.3439	0.0679
1229	50	Unbiased	-0.1886	-0.3713	-0.1827
1297	20	Biased	-0.133	-0.6072	-0.4742
1331	30	Unbiased	-0.4618	-0.3744	0.0874
1337	20	Biased	-0.1861	-0.2892	-0.1031
1359	30	Biased	-0.3775	-0.3813	-0.0038
1375	30	Unbiased	-0.3869	-0.4477	-0.0608
1398	30	Biased	-0.3837	0.4416	0.8253
1401	20	Biased	-0.3463	-0.704	-0.3577
1411	50	Biased	-0.311	-0.4063	-0.0953
1474	50	Biased	-0.229	-0.4843	-0.2553
1500	20	Unbiased	-0.1917	-0.1424	0.0493
1504	50	Biased	-0.3869	-0.3322	0.0547
1662	30	Biased	-0.173	-0.475	-0.302
1703	30	Biased	-0.2322	-0.4025	-0.1703
1736	30	Biased	-0.2197	-0.4649	-0.2452
1737	0	Correlation	-0.2508	-0.3884	-0.1376
1748	0	Correlation	-0.1955	-0.4656	-0.2701
1794	20	Biased	-0.1979	-0.1886	0.0093

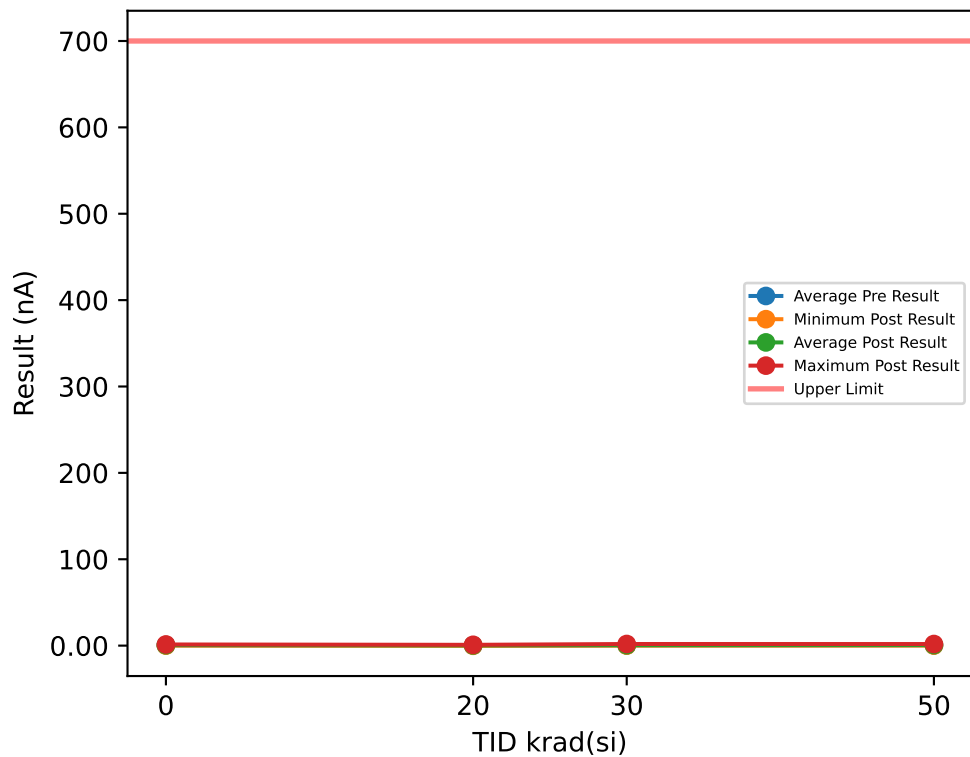
TID vs Post - Pre Exposure Delta



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	-0.2994	-0.2417	-0.183	0.051098	-0.4742	-0.11274	0.4354	0.45465	-0.2912	0.12896	0.7348	0.50105
20	-0.5541	-0.28187	-0.133	0.15981	-0.704	-0.38368	-0.1424	0.19763	-0.4742	-0.10181	0.2172	0.24733
30	-0.4618	-0.29931	-0.173	0.099159	-0.475	-0.32945	0.4416	0.27347	-0.302	-0.03014	0.8253	0.32344
50	-0.4118	-0.25002	-0.1642	0.088868	-0.4843	-0.24628	0.4854	0.33061	-0.2701	0.00374	0.6996	0.32443

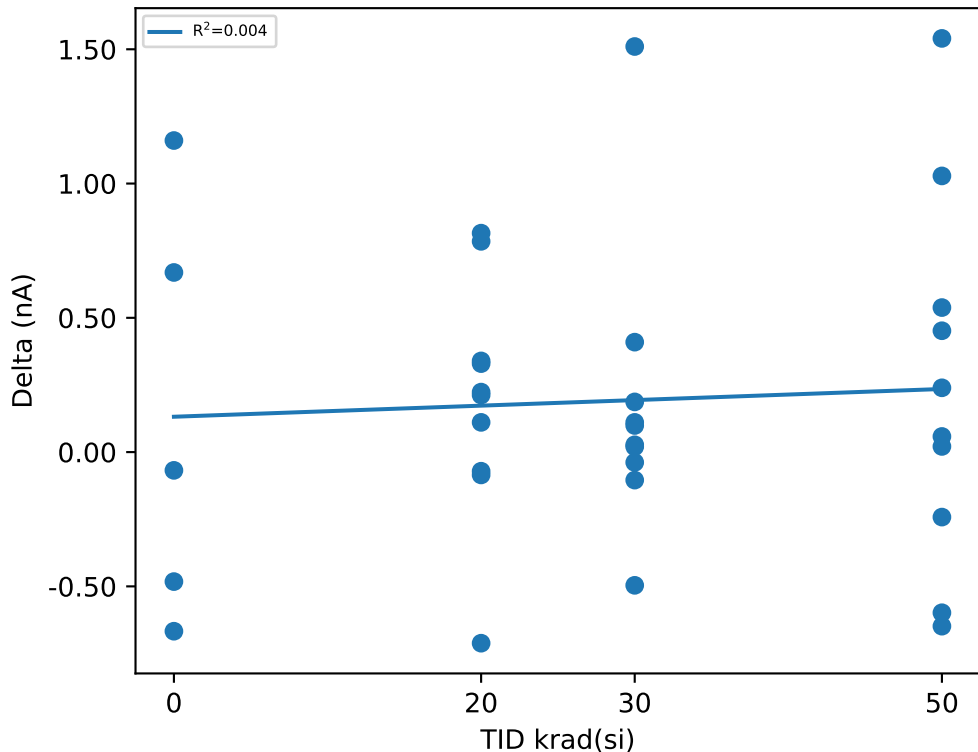
TID vs Result Stats



Test Results (Upper Limit = 700.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.0559	0.7289	0.7848
371	20	Unbiased	-0.2075	0.0159	0.2234
383	20	Unbiased	-0.2762	0.0533	0.3295
390	50	Unbiased	0.6383	0.0401	-0.5982
444	30	Unbiased	-0.0278	-0.0076	0.0202
509	30	Unbiased	1.4619	1.8713	0.4094
558	0	Correlation	0.6633	1.3322	0.6689
724	20	Biased	0.1353	0.0641	-0.0712
744	50	Biased	0.8101	1.8385	1.0284
799	50	Biased	0.1509	0.2091	0.0582
842	30	Unbiased	0.5977	0.1016	-0.4961
930	50	Unbiased	0.6009	0.3589	-0.242
964	20	Unbiased	0.3791	0.2941	-0.085
1056	0	Correlation	0.1751	1.3353	1.1602
1095	50	Unbiased	0.1042	1.6447	1.5405
1099	0	Correlation	0.5884	0.1062	-0.4822
1215	50	Unbiased	0.0658	0.0869	0.0211
1229	50	Unbiased	0.3408	0.7927	0.4519
1297	20	Biased	0.5103	-0.2013	-0.7116
1331	30	Unbiased	0.2157	0.4026	0.1869
1337	20	Biased	0.4572	0.6696	0.2124
1359	30	Biased	0.3343	0.4334	0.0991
1375	30	Unbiased	0.0315	0.1422	0.1107
1398	30	Biased	0.2282	1.7385	1.5103
1401	20	Biased	0.0752	0.1859	0.1107
1411	50	Biased	0.6914	0.0432	-0.6482
1474	50	Biased	0.3595	0.5989	0.2394
1500	20	Unbiased	0.1166	0.9319	0.8153
1504	50	Biased	0.3936	0.9318	0.5382
1662	30	Biased	0.2412	0.1369	-0.1043
1703	30	Biased	0.1976	0.1592	-0.0384
1736	30	Biased	0.1851	0.2123	0.0272
1737	0	Correlation	0.1602	0.0922	-0.068
1748	0	Correlation	0.6696	0.0026	-0.667
1794	20	Biased	0.1664	0.5059	0.3395

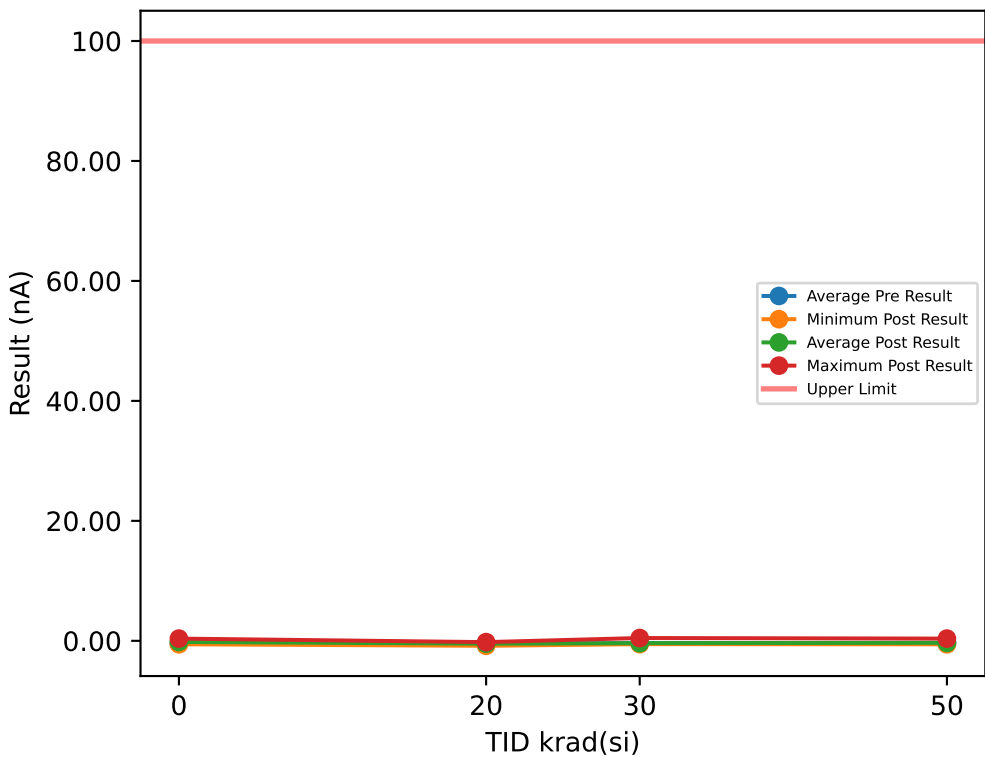
TID vs Post - Pre Exposure Delta



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	0.1602	0.45132	0.6696	0.26097	0.0026	0.5737	1.3353	0.69497	-0.667	0.12238	1.1602	0.7747
20	-0.2762	0.13005	0.5103	0.26494	-0.2013	0.32483	0.9319	0.36783	-0.7116	0.19478	0.8153	0.44109
30	-0.0278	0.34654	1.4619	0.4265	-0.0076	0.51904	1.8713	0.6912	-0.4961	0.1725	1.5103	0.52363
50	0.0658	0.41555	0.8101	0.26125	0.0401	0.65448	1.8385	0.65324	-0.6482	0.23893	1.5405	0.6873

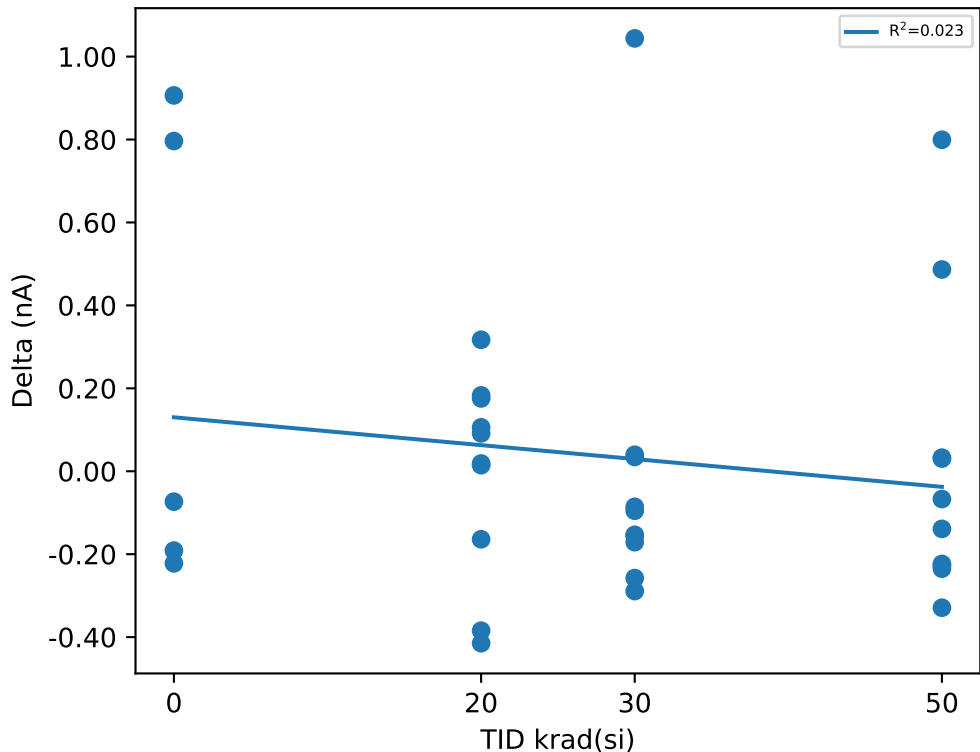
TID vs Result Stats



Test Results (Upper Limit = 100.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.468	-0.3766	0.0914
371	20	Unbiased	-0.7851	-0.468	0.3171
383	20	Unbiased	-0.6915	-0.5086	0.1829
390	50	Unbiased	-0.3922	-0.5312	-0.139
444	30	Unbiased	-0.4649	-0.5507	-0.0858
509	30	Unbiased	-0.2913	-0.4446	-0.1533
558	0	Correlation	-0.4266	0.3697	0.7963
724	20	Biased	-0.2976	-0.6821	-0.3845
744	50	Biased	-0.4547	0.3447	0.7994
799	50	Biased	-0.2944	-0.5179	-0.2235
842	30	Unbiased	-0.3173	-0.4727	-0.1554
930	50	Unbiased	-0.3454	-0.5803	-0.2349
964	20	Unbiased	-0.3922	-0.2166	0.1756
1056	0	Correlation	-0.6023	0.3041	0.9064
1095	50	Unbiased	-0.1169	0.3697	0.4866
1099	0	Correlation	-0.3547	-0.546	-0.1913
1215	50	Unbiased	-0.518	-0.4875	0.0305
1229	50	Unbiased	-0.1294	-0.4586	-0.3292
1297	20	Biased	-0.4141	-0.8288	-0.4147
1331	30	Unbiased	-0.5086	-0.4742	0.0344
1337	20	Biased	-0.4203	-0.4016	0.0187
1359	30	Biased	-0.4711	-0.4313	0.0398
1375	30	Unbiased	-0.4181	-0.5133	-0.0952
1398	30	Biased	-0.5773	0.4666	1.0439
1401	20	Biased	-0.5492	-0.7133	-0.1641
1411	50	Biased	-0.4672	-0.5343	-0.0671
1474	50	Biased	-0.2477	-0.475	-0.2273
1500	20	Unbiased	-0.3287	-0.3141	0.0146
1504	50	Biased	-0.5024	-0.4696	0.0328
1662	30	Biased	-0.2789	-0.45	-0.1711
1703	30	Biased	-0.2477	-0.5367	-0.289
1736	30	Biased	-0.2477	-0.5054	-0.2577
1737	0	Correlation	-0.3536	-0.5757	-0.2221
1748	0	Correlation	-0.4141	-0.4875	-0.0734
1794	20	Biased	-0.3536	-0.2477	0.1059

TID vs Post - Pre Exposure Delta

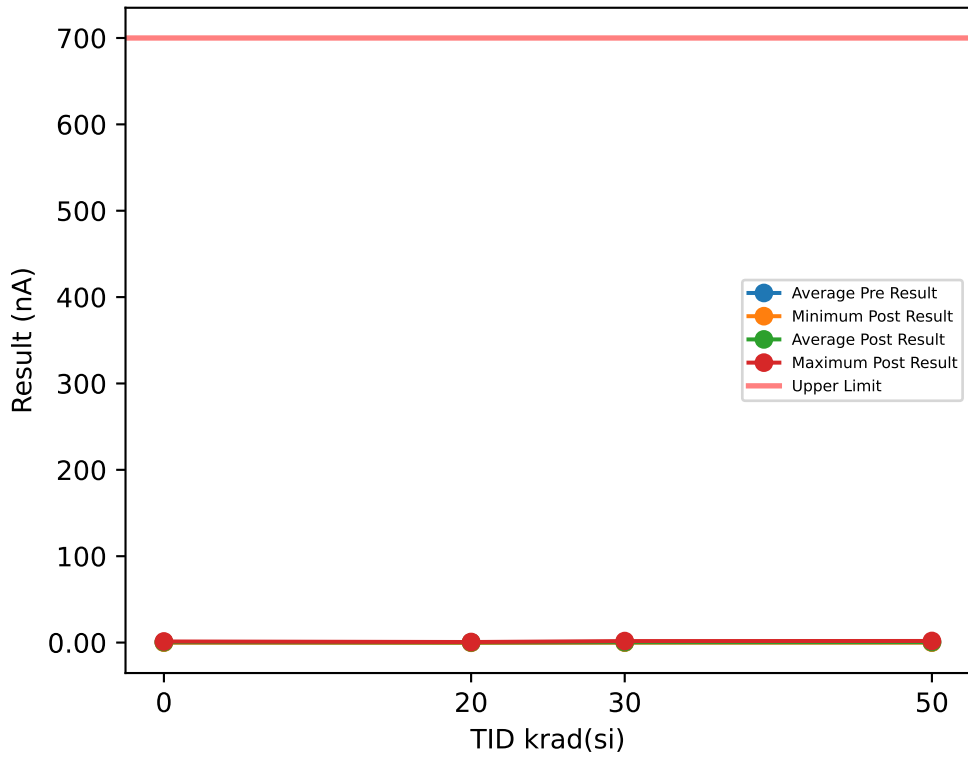


Test Statistics (nA)

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	-0.6023	-0.43026	-0.3536	0.10181	-0.5757	-0.18708	0.3697	0.47994	-0.2221	0.24318	0.9064	0.5593
20	-0.7851	-0.47003	-0.2976	0.15969	-0.8288	-0.47574	-0.2166	0.20694	-0.4147	-0.00571	0.3171	0.24299
30	-0.5773	-0.38229	-0.2477	0.11991	-0.5507	-0.39123	0.4666	0.30402	-0.289	-0.00894	1.0439	0.38514
50	-0.518	-0.34683	-0.1169	0.14697	-0.5803	-0.334	0.3697	0.36616	-0.3292	0.01283	0.7994	0.35981

Device Test: 16.16 LEAK|EN_LEAK/EN/14/14/0/1000/5/500kHz//@I_EN_LEAK

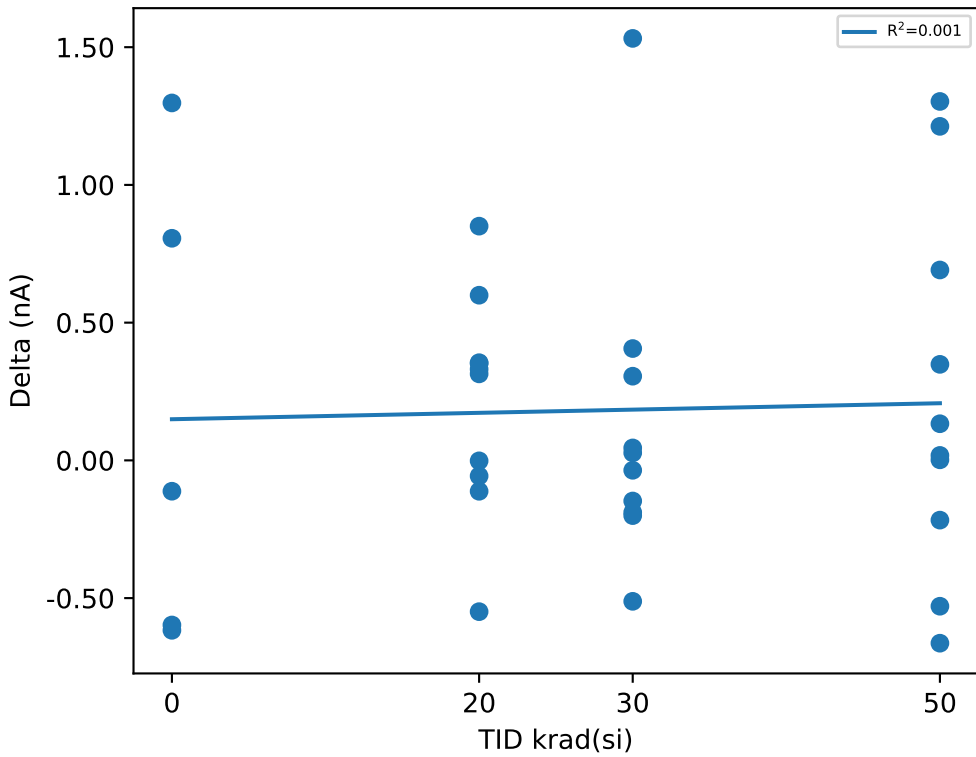
TID vs Result Stats



Test Results (Upper Limit = 700.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.2245	0.6258	0.8503
371	20	Unbiased	-0.3699	-0.0153	0.3546
383	20	Unbiased	-0.3543	-0.0403	0.314
390	50	Unbiased	0.4572	-0.0723	-0.5295
444	30	Unbiased	-0.1465	-0.1013	0.0452
509	30	Unbiased	1.3342	1.7402	0.406
558	0	Correlation	0.4728	1.2791	0.8063
724	20	Biased	-0.0391	-0.1513	-0.1122
744	50	Biased	0.6415	1.8541	1.2126
799	50	Biased	0.0917	0.0937	0.002
842	30	Unbiased	0.5103	-0.0014	-0.5117
930	50	Unbiased	0.4541	0.2372	-0.2169
964	20	Unbiased	0.2948	0.2381	-0.0567
1056	0	Correlation	-0.0185	1.2791	1.2976
1095	50	Unbiased	0.1073	1.4103	1.303
1099	0	Correlation	0.4884	-0.1092	-0.5976
1215	50	Unbiased	0.0252	0.0432	0.018
1229	50	Unbiased	0.1913	0.5399	0.3486
1297	20	Biased	0.2886	-0.2606	-0.5492
1331	30	Unbiased	0.0377	0.3433	0.3056
1337	20	Biased	0.2761	0.6071	0.331
1359	30	Biased	0.3	0.3273	0.0273
1375	30	Unbiased	0.0065	-0.0295	-0.036
1398	30	Biased	0.0284	1.5603	1.5319
1401	20	Biased	0.0502	0.0485	-0.0017
1411	50	Biased	0.5977	-0.066	-0.6637
1474	50	Biased	0.2817	0.4147	0.133
1500	20	Unbiased	0.0512	0.6508	0.5996
1504	50	Biased	0.1595	0.8507	0.6912
1662	30	Biased	0.2318	0.0432	-0.1886
1703	30	Biased	0.2318	0.0313	-0.2005
1736	30	Biased	0.2225	0.075	-0.1475
1737	0	Correlation	0.0419	-0.0701	-0.112
1748	0	Correlation	0.4978	-0.1191	-0.6169
1794	20	Biased	0.1322	0.4841	0.3519

TID vs Post - Pre Exposure Delta

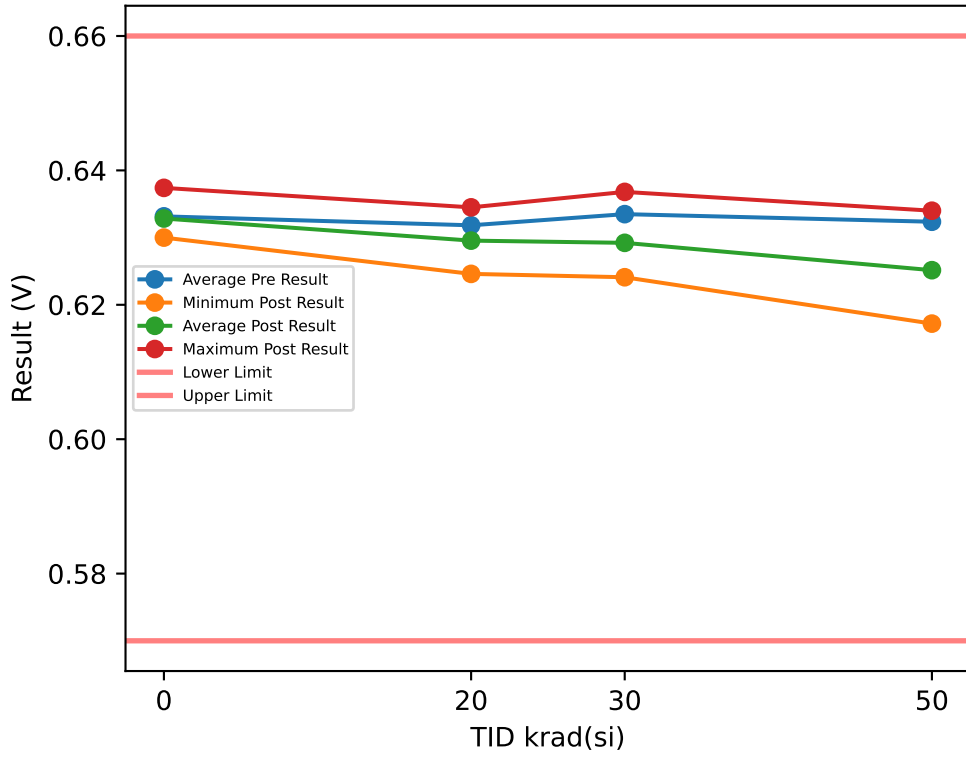


Test Statistics (nA)

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	-0.0185	0.29648	0.4978	0.261	-0.1191	0.45196	1.2791	0.75529	-0.6169	0.15548	1.2976	0.8607
20	-0.3699	0.01053	0.2948	0.25434	-0.2606	0.21869	0.6508	0.34826	-0.5492	0.20816	0.8503	0.39783
30	-0.1465	0.27567	1.3342	0.41516	-0.1013	0.39884	1.7402	0.67632	-0.5117	0.12317	1.5319	0.55943
50	0.0252	0.30072	0.6415	0.22152	-0.0723	0.53055	1.8541	0.65621	-0.6637	0.22983	1.303	0.66876

Device Test: 16.17 LEVEL|EN_RISE/EN/8/8/0/0/5/500kHz//@V_EN_RISE

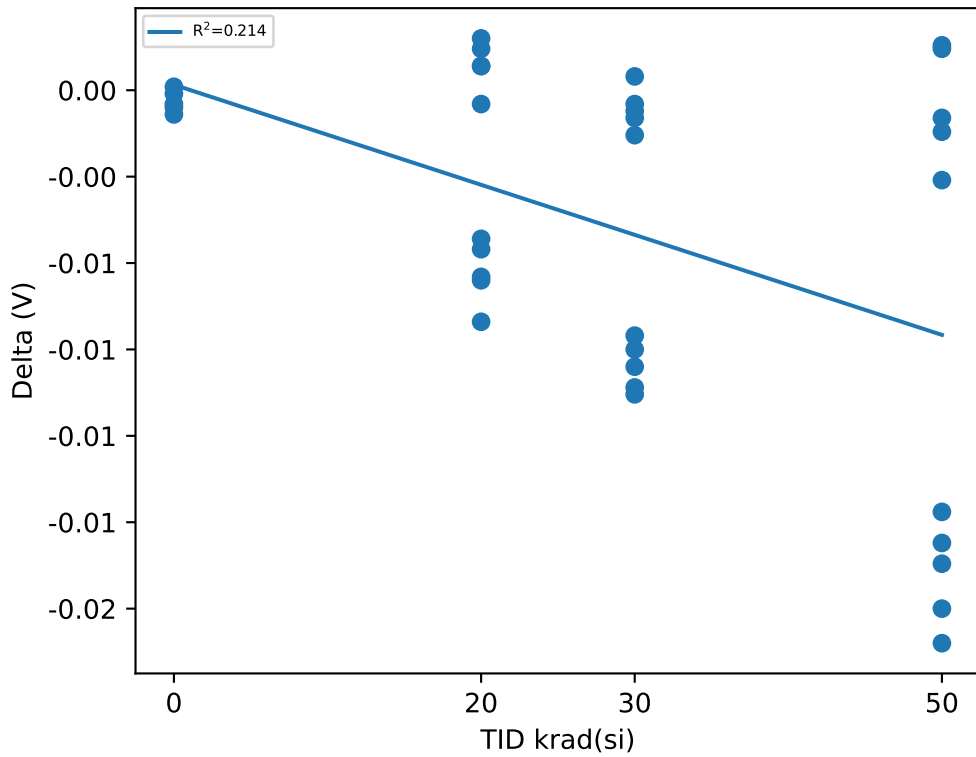
TID vs Result Stats



Test Results (Lower Limit = 0.57, Upper Limit = 0.66 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.6306	0.6321	0.0015
371	20	Unbiased	0.6333	0.6345	0.0012
383	20	Unbiased	0.6305	0.6312	0.0007
390	50	Unbiased	0.6332	0.632	-0.0012
444	30	Unbiased	0.6326	0.6313	-0.0013
509	30	Unbiased	0.6315	0.6319	0.0004
558	0	Correlation	0.6304	0.63	-0.0004
724	20	Biased	0.6327	0.6284	-0.0043
744	50	Biased	0.6307	0.6185	-0.0122
799	50	Biased	0.6341	0.6191	-0.015
842	30	Unbiased	0.6374	0.6368	-0.0006
930	50	Unbiased	0.6333	0.6307	-0.0026
964	20	Unbiased	0.6327	0.6334	0.0007
1056	0	Correlation	0.6313	0.6308	-0.0005
1095	50	Unbiased	0.6327	0.634	0.0013
1099	0	Correlation	0.6373	0.6374	0.0001
1215	50	Unbiased	0.632	0.6312	-0.0008
1229	50	Unbiased	0.6312	0.6324	0.0012
1297	20	Biased	0.6307	0.6252	-0.0055
1331	30	Unbiased	0.6326	0.6322	-0.0004
1337	20	Biased	0.6313	0.6246	-0.0067
1359	30	Biased	0.636	0.628	-0.008
1375	30	Unbiased	0.6301	0.6293	-0.0008
1398	30	Biased	0.6333	0.6262	-0.0071
1401	20	Biased	0.6347	0.6293	-0.0054
1411	50	Biased	0.6332	0.6172	-0.016
1474	50	Biased	0.6314	0.6177	-0.0137
1500	20	Unbiased	0.6306	0.6302	-0.0004
1504	50	Biased	0.6318	0.6187	-0.0131
1662	30	Biased	0.634	0.6265	-0.0075
1703	30	Biased	0.6327	0.6241	-0.0086
1736	30	Biased	0.6347	0.6259	-0.0088
1737	0	Correlation	0.6341	0.634	-0.0001
1748	0	Correlation	0.6327	0.632	-0.0007
1794	20	Biased	0.6312	0.6266	-0.0046

TID vs Post - Pre Exposure Delta

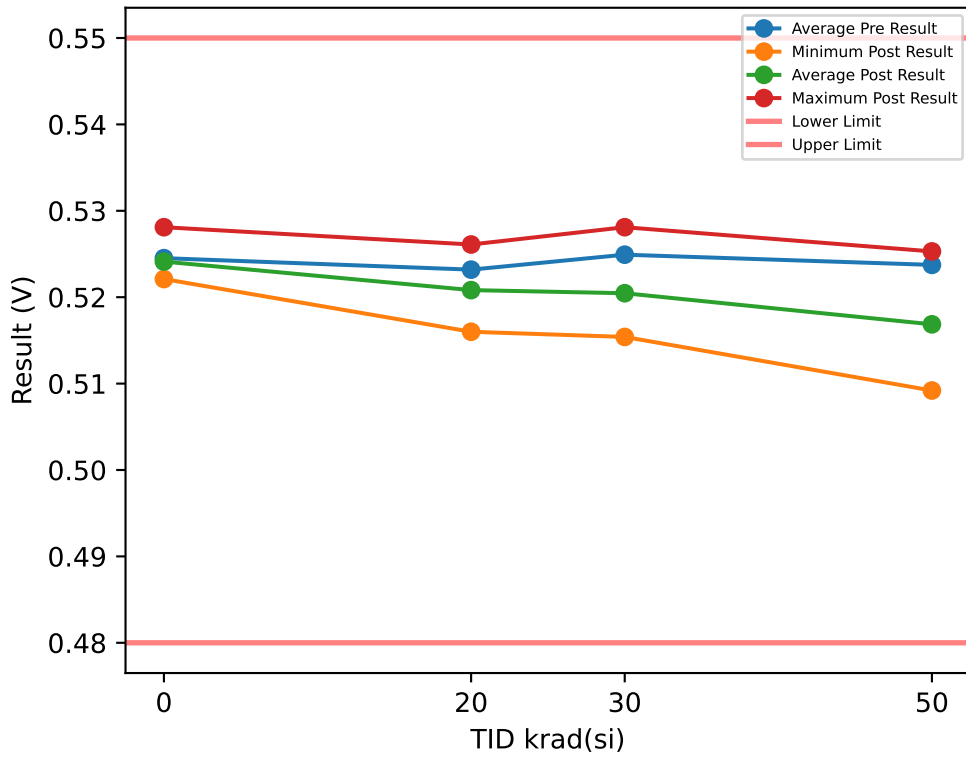


Test Statistics (V)

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	0.6304	0.63316	0.6373	0.002707	0.63	0.63284	0.6374	0.0029611	-0.0007	-0.00032	0.0001	0.00031937
20	0.6305	0.63183	0.6347	0.0014399	0.6246	0.62955	0.6345	0.0033745	-0.0067	-0.00228	0.0015	0.0032795
30	0.6301	0.63349	0.6374	0.0021346	0.6241	0.62922	0.6368	0.0038456	-0.0088	-0.00427	0.0004	0.0039825
50	0.6307	0.63236	0.6341	0.0011007	0.6172	0.62515	0.634	0.0073511	-0.016	-0.00721	0.0013	0.0073126

Device Test: 16.18 LEVEL|EN_FALL/EN/8/8/0/0/5/500kHz//@V_EN_FALL

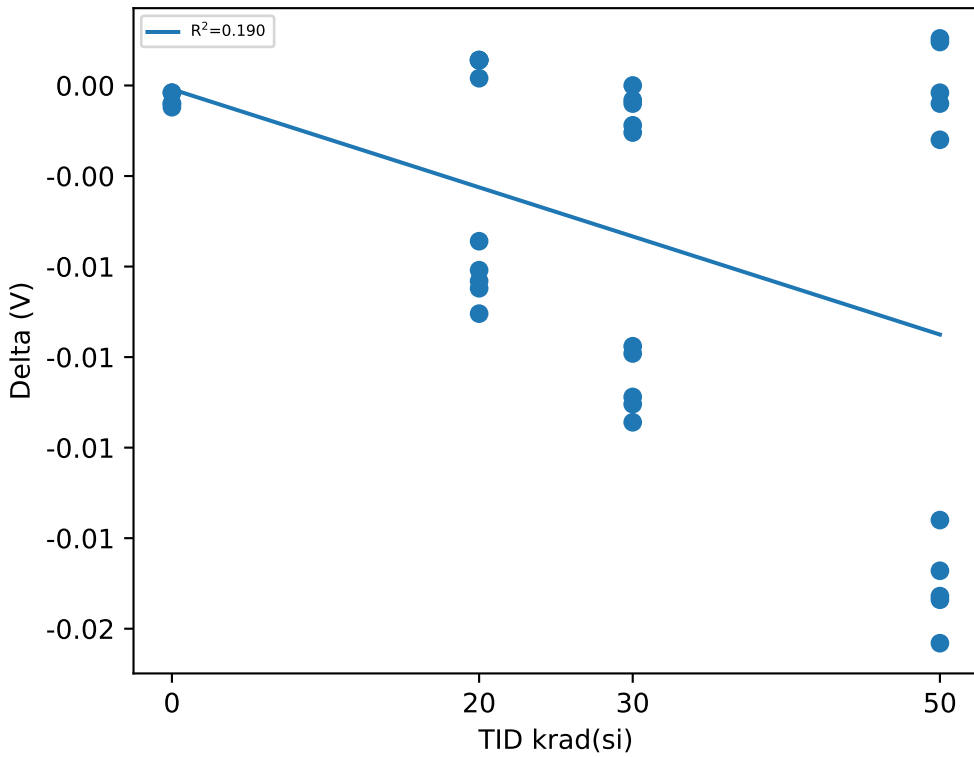
TID vs Result Stats



Test Results (Lower Limit = 0.48, Upper Limit = 0.55 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.5221	0.5228	0.0007
371	20	Unbiased	0.5254	0.5261	0.0007
383	20	Unbiased	0.5226	0.5233	0.0007
390	50	Unbiased	0.5243	0.5241	-0.0002
444	30	Unbiased	0.5232	0.5221	-0.0011
509	30	Unbiased	0.5234	0.5234	0
558	0	Correlation	0.5226	0.5221	-0.0005
724	20	Biased	0.5234	0.5191	-0.0043
744	50	Biased	0.5228	0.5108	-0.012
799	50	Biased	0.5246	0.5105	-0.0141
842	30	Unbiased	0.5286	0.5281	-0.0005
930	50	Unbiased	0.5243	0.5228	-0.0015
964	20	Unbiased	0.5241	0.5248	0.0007
1056	0	Correlation	0.5227	0.5221	-0.0006
1095	50	Unbiased	0.524	0.5253	0.0013
1099	0	Correlation	0.5283	0.5281	-0.0002
1215	50	Unbiased	0.5232	0.5227	-0.0005
1229	50	Unbiased	0.5229	0.5241	0.0012
1297	20	Biased	0.5228	0.5174	-0.0054
1331	30	Unbiased	0.5241	0.5228	-0.0013
1337	20	Biased	0.5223	0.516	-0.0063
1359	30	Biased	0.5282	0.5194	-0.0088
1375	30	Unbiased	0.5214	0.521	-0.0004
1398	30	Biased	0.5247	0.5175	-0.0072
1401	20	Biased	0.5257	0.5206	-0.0051
1411	50	Biased	0.5246	0.5092	-0.0154
1474	50	Biased	0.5226	0.5092	-0.0134
1500	20	Unbiased	0.5206	0.5208	0.0002
1504	50	Biased	0.5241	0.5099	-0.0142
1662	30	Biased	0.5255	0.5181	-0.0074
1703	30	Biased	0.524	0.5154	-0.0086
1736	30	Biased	0.5261	0.5168	-0.0093
1737	0	Correlation	0.5249	0.5247	-0.0002
1748	0	Correlation	0.5241	0.5236	-0.0005
1794	20	Biased	0.5229	0.5173	-0.0056

TID vs Post - Pre Exposure Delta

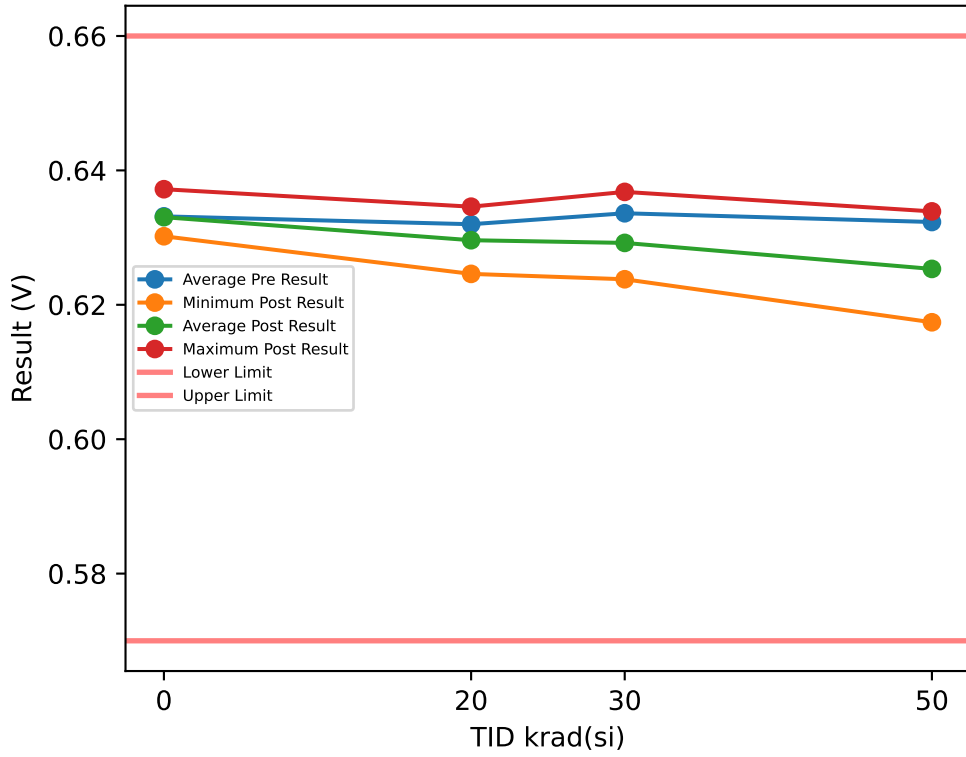


Test Statistics (V)

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	0.5226	0.52452	0.5283	0.0023242	0.5221	0.52412	0.5281	0.0024803	-0.0006	-0.0004	-0.0002	0.00018708
20	0.5206	0.52319	0.5257	0.0015394	0.516	0.52082	0.5261	0.0034012	-0.0063	-0.00237	0.0007	0.0031718
30	0.5214	0.52492	0.5286	0.0022424	0.5154	0.52046	0.5281	0.0037995	-0.0093	-0.00446	0	0.0040673
50	0.5226	0.52374	0.5246	0.0007806	0.5092	0.51686	0.5253	0.0073668	-0.0154	-0.00688	0.0013	0.0074049

Device Test: 16.7 LEVEL|EN_RISE/EN/12/12/0/0/5/500kHz//@V_EN_RISE

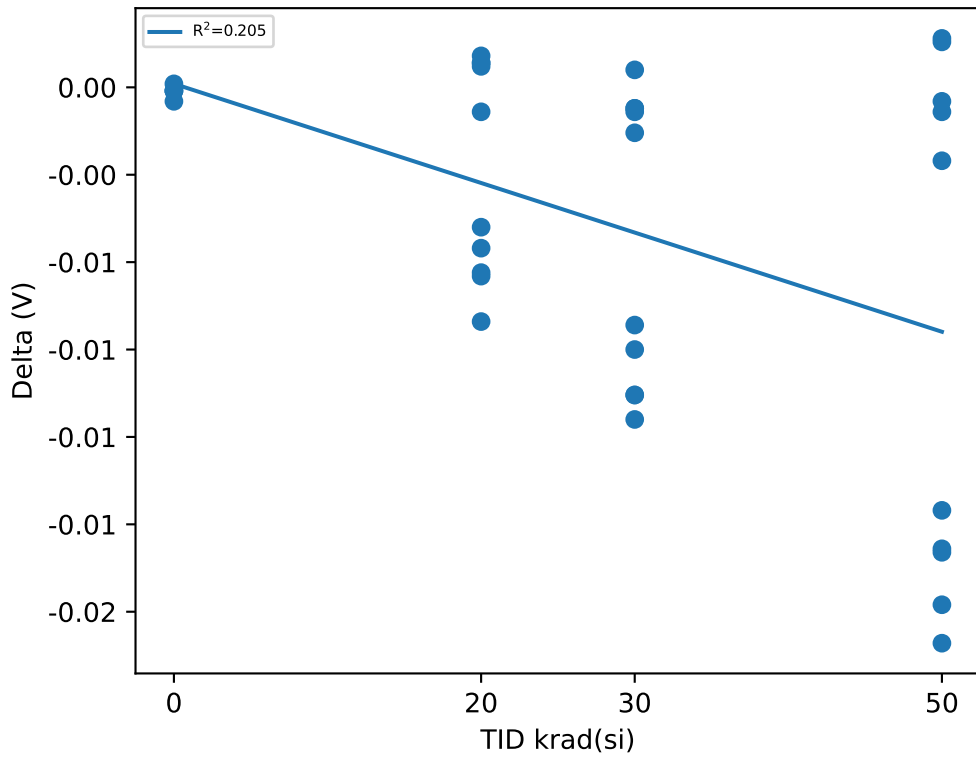
TID vs Result Stats



Test Results (Lower Limit = 0.57, Upper Limit = 0.66 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.6313	0.6319	0.0006
371	20	Unbiased	0.6339	0.6346	0.0007
383	20	Unbiased	0.6304	0.6313	0.0009
390	50	Unbiased	0.6333	0.6326	-0.0007
444	30	Unbiased	0.6327	0.6314	-0.0013
509	30	Unbiased	0.6314	0.6319	0.0005
558	0	Correlation	0.6306	0.6302	-0.0004
724	20	Biased	0.6326	0.6286	-0.004
744	50	Biased	0.6306	0.6185	-0.0121
799	50	Biased	0.634	0.6192	-0.0148
842	30	Unbiased	0.6374	0.6368	-0.0006
930	50	Unbiased	0.6333	0.6312	-0.0021
964	20	Unbiased	0.6333	0.634	0.0007
1056	0	Correlation	0.6312	0.6313	0.0001
1095	50	Unbiased	0.6325	0.6339	0.0014
1099	0	Correlation	0.6373	0.6372	-0.0001
1215	50	Unbiased	0.6318	0.6314	-0.0004
1229	50	Unbiased	0.6314	0.6327	0.0013
1297	20	Biased	0.6306	0.6253	-0.0053
1331	30	Unbiased	0.6327	0.6321	-0.0006
1337	20	Biased	0.6313	0.6246	-0.0067
1359	30	Biased	0.6367	0.6279	-0.0088
1375	30	Unbiased	0.63	0.6293	-0.0007
1398	30	Biased	0.6333	0.6265	-0.0068
1401	20	Biased	0.6347	0.6293	-0.0054
1411	50	Biased	0.6333	0.6174	-0.0159
1474	50	Biased	0.6312	0.6179	-0.0133
1500	20	Unbiased	0.6306	0.6299	-0.0007
1504	50	Biased	0.6318	0.6186	-0.0132
1662	30	Biased	0.634	0.6265	-0.0075
1703	30	Biased	0.6326	0.6238	-0.0088
1736	30	Biased	0.6354	0.6259	-0.0095
1737	0	Correlation	0.634	0.6339	-0.0001
1748	0	Correlation	0.6327	0.6326	-0.0001
1794	20	Biased	0.6312	0.6266	-0.0046

TID vs Post - Pre Exposure Delta

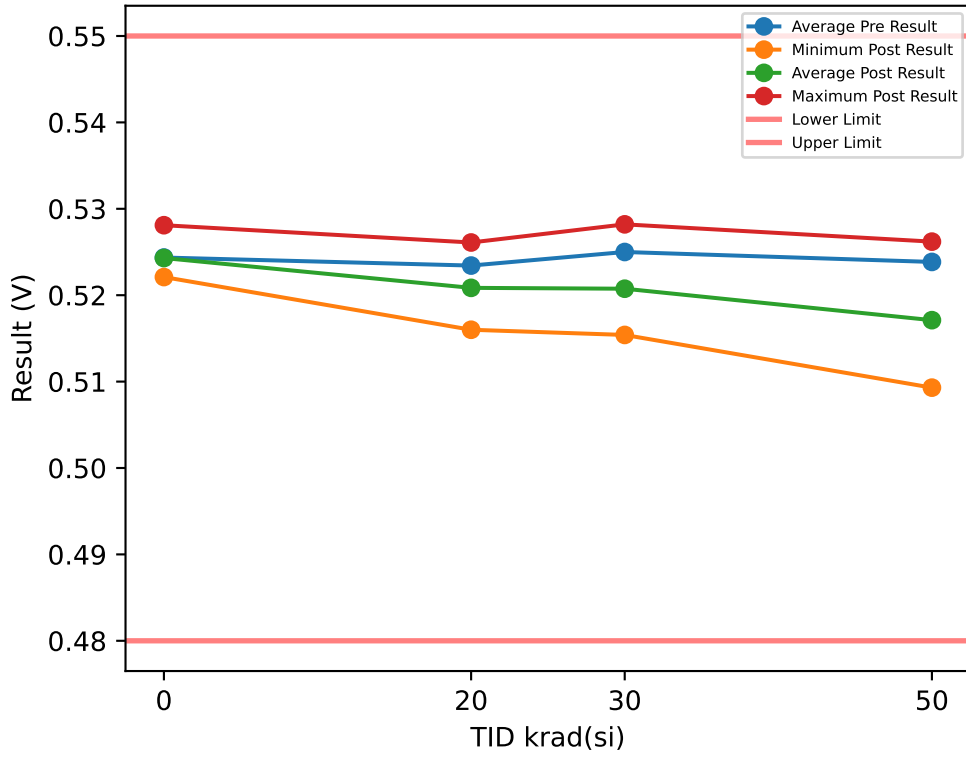


Test Statistics (V)

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	0.6306	0.63316	0.6373	0.002667	0.6302	0.63304	0.6372	0.002708	-0.0004	-0.00012	0.0001	0.00017889
20	0.6304	0.63199	0.6347	0.0015293	0.6246	0.62961	0.6346	0.0034353	-0.0067	-0.00238	0.0009	0.0030785
30	0.63	0.63362	0.6374	0.0023083	0.6238	0.62921	0.6368	0.0038677	-0.0095	-0.00441	0.0005	0.0041672
50	0.6306	0.63232	0.634	0.0011223	0.6174	0.62534	0.6339	0.00745	-0.0159	-0.00698	0.0014	0.0073854

Device Test: 16.8 LEVEL|EN_FALL/EN/12/12/0/0/5/500kHz//@V_EN_FALL

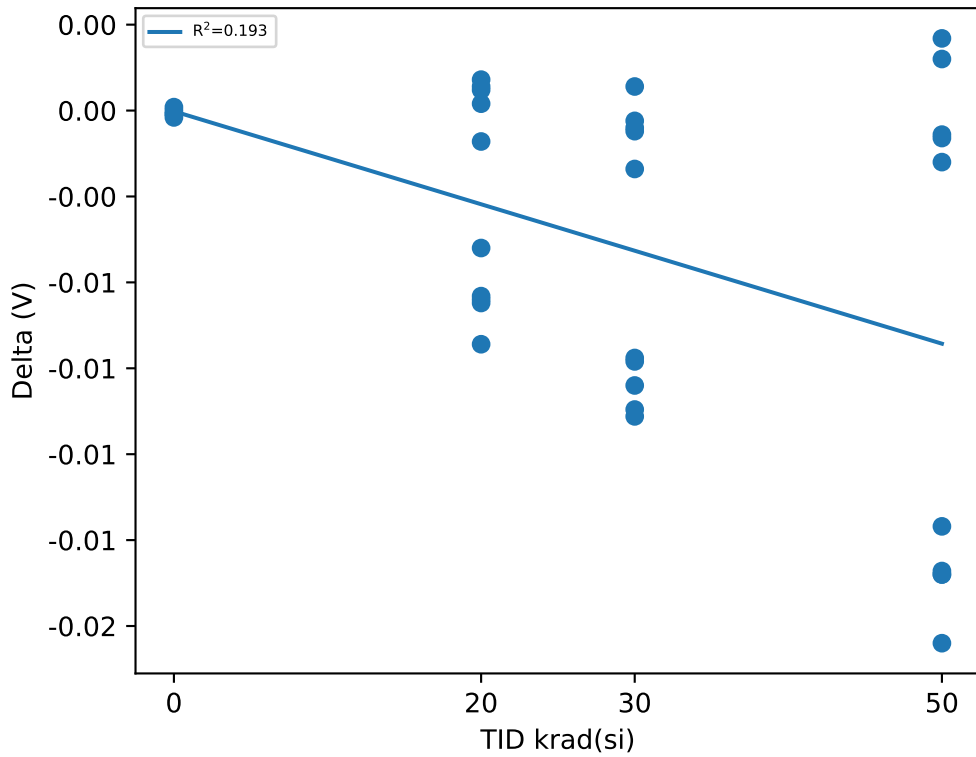
TID vs Result Stats



Test Results (Lower Limit = 0.48, Upper Limit = 0.55 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.5221	0.523	0.0009
371	20	Unbiased	0.5254	0.5261	0.0007
383	20	Unbiased	0.5228	0.5234	0.0006
390	50	Unbiased	0.5248	0.5241	-0.0007
444	30	Unbiased	0.5241	0.5224	-0.0017
509	30	Unbiased	0.5233	0.524	0.0007
558	0	Correlation	0.5221	0.5221	0
724	20	Biased	0.5234	0.5194	-0.004
744	50	Biased	0.5228	0.5107	-0.0121
799	50	Biased	0.5248	0.5113	-0.0135
842	30	Unbiased	0.5288	0.5282	-0.0006
930	50	Unbiased	0.5241	0.5226	-0.0015
964	20	Unbiased	0.5244	0.5246	0.0002
1056	0	Correlation	0.5226	0.5225	-0.0001
1095	50	Unbiased	0.5241	0.5262	0.0021
1099	0	Correlation	0.5283	0.5281	-0.0002
1215	50	Unbiased	0.5236	0.5228	-0.0008
1229	50	Unbiased	0.5226	0.5241	0.0015
1297	20	Biased	0.5228	0.5173	-0.0055
1331	30	Unbiased	0.5239	0.5236	-0.0003
1337	20	Biased	0.5228	0.516	-0.0068
1359	30	Biased	0.5281	0.5201	-0.008
1375	30	Unbiased	0.5213	0.5208	-0.0005
1398	30	Biased	0.5247	0.5175	-0.0072
1401	20	Biased	0.5262	0.5206	-0.0056
1411	50	Biased	0.5248	0.5093	-0.0155
1474	50	Biased	0.5228	0.5094	-0.0134
1500	20	Unbiased	0.5215	0.5206	-0.0009
1504	50	Biased	0.5241	0.5106	-0.0135
1662	30	Biased	0.5255	0.5182	-0.0073
1703	30	Biased	0.5243	0.5154	-0.0089
1736	30	Biased	0.526	0.5173	-0.0087
1737	0	Correlation	0.5248	0.5247	-0.0001
1748	0	Correlation	0.524	0.5241	0.0001
1794	20	Biased	0.5229	0.5175	-0.0054

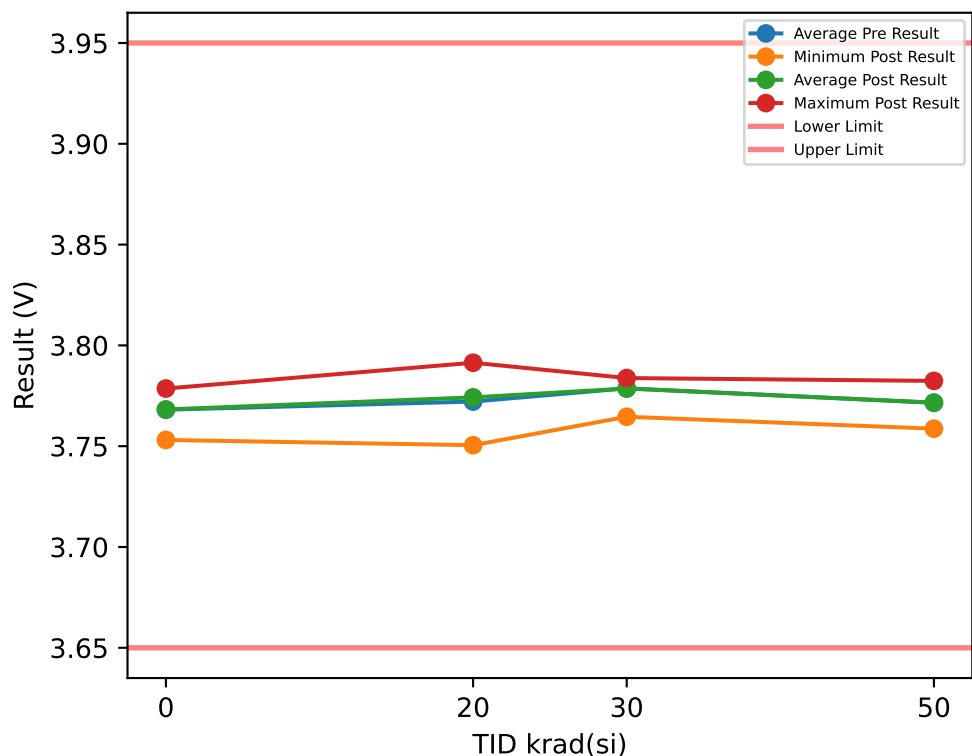
TID vs Post - Pre Exposure Delta



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	0.5221	0.52436	0.5283	0.0024521	0.5221	0.5243	0.5281	0.0023833	-0.0002	-6e-05	0.0001	0.00011402
20	0.5215	0.52343	0.5262	0.0014705	0.516	0.52085	0.5261	0.0033719	-0.0068	-0.00258	0.0009	0.0031439
30	0.5213	0.525	0.5288	0.0022231	0.5154	0.52075	0.5282	0.0038719	-0.0089	-0.00425	0.0007	0.0040481
50	0.5226	0.52385	0.5248	0.00086442	0.5093	0.51711	0.5262	0.007307	-0.0155	-0.00674	0.0021	0.0073521

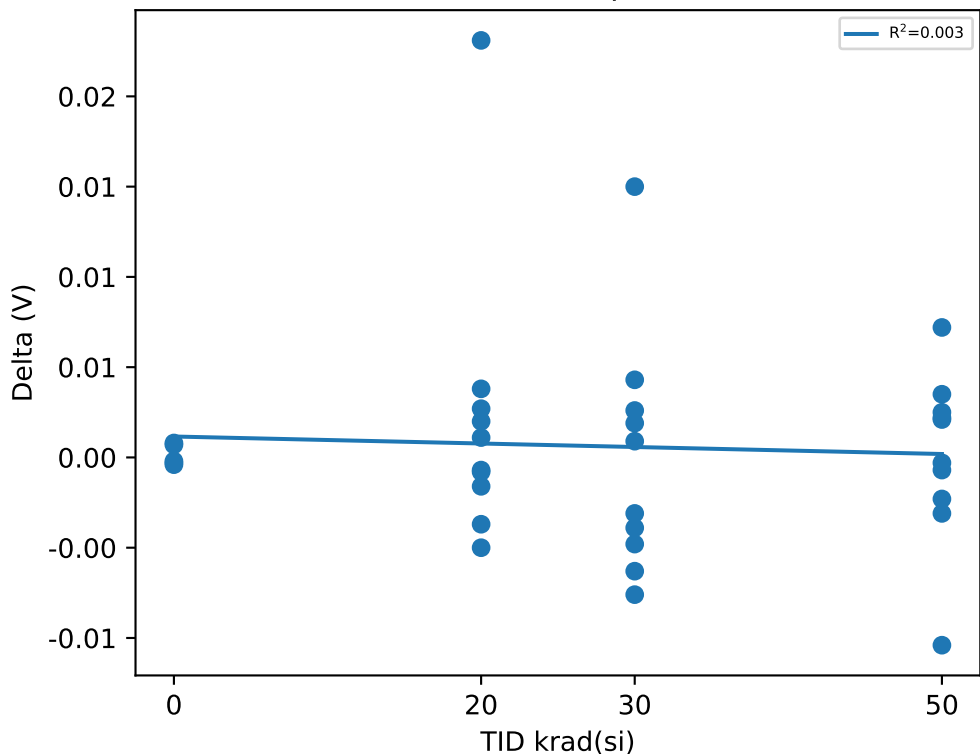
TID vs Result Stats



Test Results (Lower Limit = 3.65, Upper Limit = 3.95 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	3.7683	3.7914	0.0231
371	20	Unbiased	3.7632	3.7652	0.002
383	20	Unbiased	3.7711	3.7749	0.0038
390	50	Unbiased	3.7699	3.7696	-0.0003
444	30	Unbiased	3.7812	3.7736	-0.0076
509	30	Unbiased	3.7822	3.7774	-0.0048
558	0	Correlation	3.7739	3.7735	-0.0004
724	20	Biased	3.781	3.7773	-0.0037
744	50	Biased	3.7799	3.782	0.0021
799	50	Biased	3.7928	3.7824	-0.0104
842	30	Unbiased	3.7799	3.7808	0.0009
930	50	Unbiased	3.7686	3.7655	-0.0031
964	20	Unbiased	3.7883	3.7894	0.0011
1056	0	Correlation	3.7602	3.761	0.0008
1095	50	Unbiased	3.766	3.7685	0.0025
1099	0	Correlation	3.7752	3.7749	-0.0003
1215	50	Unbiased	3.7552	3.7587	0.0035
1229	50	Unbiased	3.7797	3.779	-0.0007
1297	20	Biased	3.7705	3.7698	-0.0007
1331	30	Unbiased	3.7662	3.7812	0.015
1337	20	Biased	3.7555	3.7505	-0.005
1359	30	Biased	3.7855	3.7824	-0.0031
1375	30	Unbiased	3.778	3.7799	0.0019
1398	30	Biased	3.7812	3.7838	0.0026
1401	20	Biased	3.769	3.7717	0.0027
1411	50	Biased	3.7721	3.7793	0.0072
1474	50	Biased	3.7635	3.7612	-0.0023
1500	20	Unbiased	3.781	3.7802	-0.0008
1504	50	Biased	3.7677	3.7699	0.0022
1662	30	Biased	3.7872	3.7809	-0.0063
1703	30	Biased	3.7685	3.7646	-0.0039
1736	30	Biased	3.7772	3.7815	0.0043
1737	0	Correlation	3.7788	3.7786	-0.0002
1748	0	Correlation	3.7524	3.7531	0.0007
1794	20	Biased	3.7735	3.7719	-0.0016

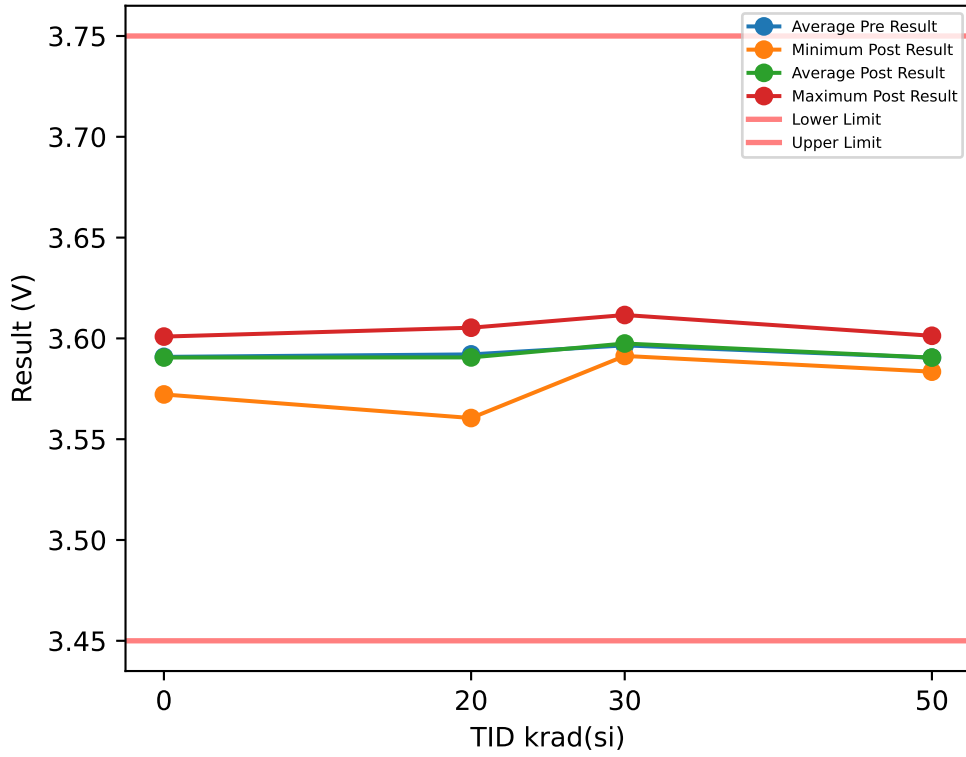
TID vs Post - Pre Exposure Delta



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	3.7524	3.7681	3.7788	0.011263	3.7531	3.7682	3.7786	0.010735	-0.0004	0.00012	0.0008	0.00058052
20	3.7555	3.7721	3.7883	0.0094586	3.7505	3.7742	3.7914	0.011769	-0.005	0.00209	0.0231	0.0078828
30	3.7662	3.7787	3.7872	0.0067306	3.7646	3.7786	3.7838	0.0056854	-0.0076	-0.0001	0.015	0.0066657
50	3.7552	3.7715	3.7928	0.01042	3.7587	3.7716	3.7824	0.0086096	-0.0104	7e-05	0.0072	0.0047514

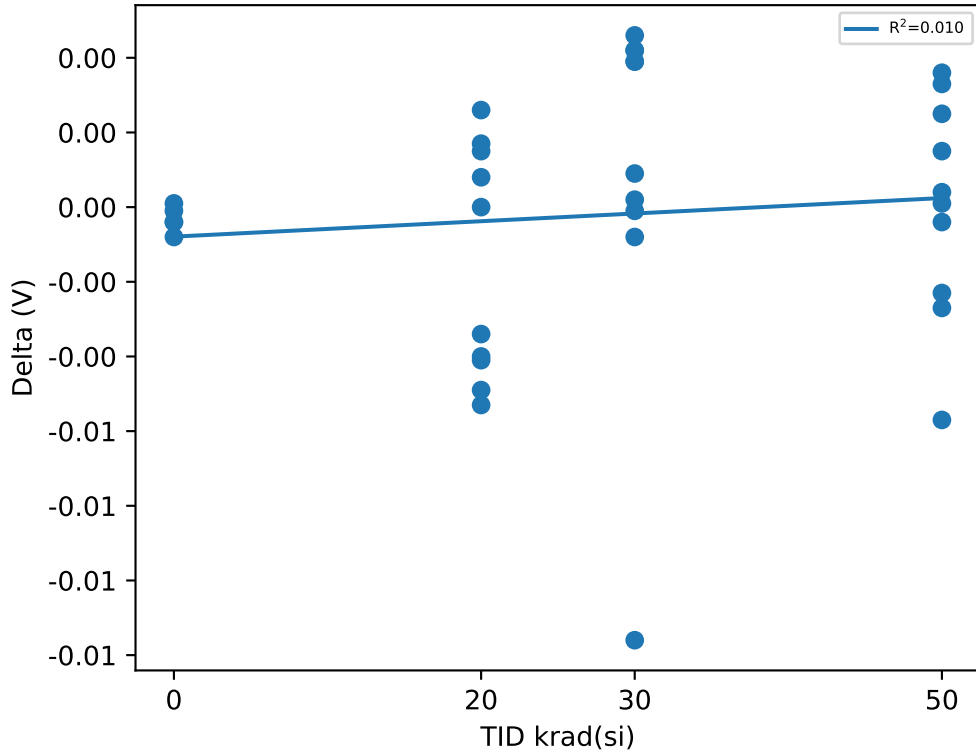
TID vs Result Stats



Test Results (Lower Limit = 3.45, Upper Limit = 3.75 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	3.5979	3.6005	0.0026
371	20	Unbiased	3.5862	3.587	0.0008
383	20	Unbiased	3.5916	3.5882	-0.0034
390	50	Unbiased	3.5939	3.5882	-0.0057
444	30	Unbiased	3.6117	3.6116	-0.0001
509	30	Unbiased	3.5974	3.6016	0.0042
558	0	Correlation	3.5902	3.5903	0.0001
724	20	Biased	3.5986	3.5937	-0.0049
744	50	Biased	3.5908	3.5912	0.0004
799	50	Biased	3.6017	3.6013	-0.0004
842	30	Unbiased	3.5905	3.5947	0.0042
930	50	Unbiased	3.5871	3.5872	0.0001
964	20	Unbiased	3.5946	3.5961	0.0015
1056	0	Correlation	3.5726	3.5722	-0.0004
1095	50	Unbiased	3.5817	3.5853	0.0036
1099	0	Correlation	3.5964	3.5963	-0.0001
1215	50	Unbiased	3.5851	3.5876	0.0025
1229	50	Unbiased	3.6017	3.5994	-0.0023
1297	20	Biased	3.5905	3.5865	-0.004
1331	30	Unbiased	3.5886	3.5925	0.0039
1337	20	Biased	3.5658	3.5605	-0.0053
1359	30	Biased	3.6079	3.5963	-0.0116
1375	30	Unbiased	3.5907	3.5953	0.0046
1398	30	Biased	3.5992	3.5984	-0.0008
1401	20	Biased	3.6036	3.6053	0.0017
1411	50	Biased	3.5943	3.5916	-0.0027
1474	50	Biased	3.5802	3.5835	0.0033
1500	20	Unbiased	3.5986	3.5986	0
1504	50	Biased	3.5879	3.5894	0.0015
1662	30	Biased	3.5986	3.5995	0.0009
1703	30	Biased	3.5874	3.5913	0.0039
1736	30	Biased	3.5933	3.5935	0.0002
1737	0	Correlation	3.6017	3.6009	-0.0008
1748	0	Correlation	3.5933	3.5929	-0.0004
1794	20	Biased	3.5933	3.5892	-0.0041

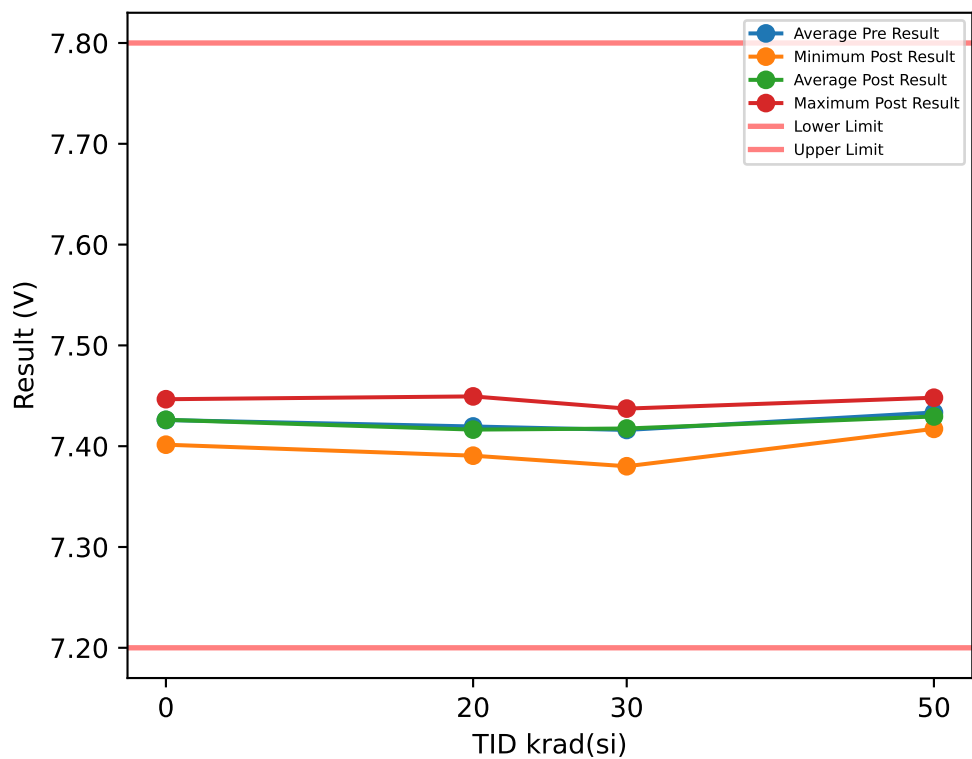
TID vs Post - Pre Exposure Delta



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	3.5726	3.5908	3.6017	0.011045	3.5722	3.5905	3.6009	0.010983	-0.0008	-0.00032	0.0001	0.00034205
20	3.5658	3.5921	3.6036	0.010474	3.5605	3.5906	3.6053	0.012299	-0.0053	-0.00151	0.0026	0.003095
30	3.5874	3.5965	3.6117	0.0081554	3.5913	3.5975	3.6116	0.0059065	-0.0116	0.00094	0.0046	0.0048772
50	3.5802	3.5904	3.6017	0.0075125	3.5835	3.5905	3.6013	0.0057675	-0.0057	3e-05	0.0036	0.002939

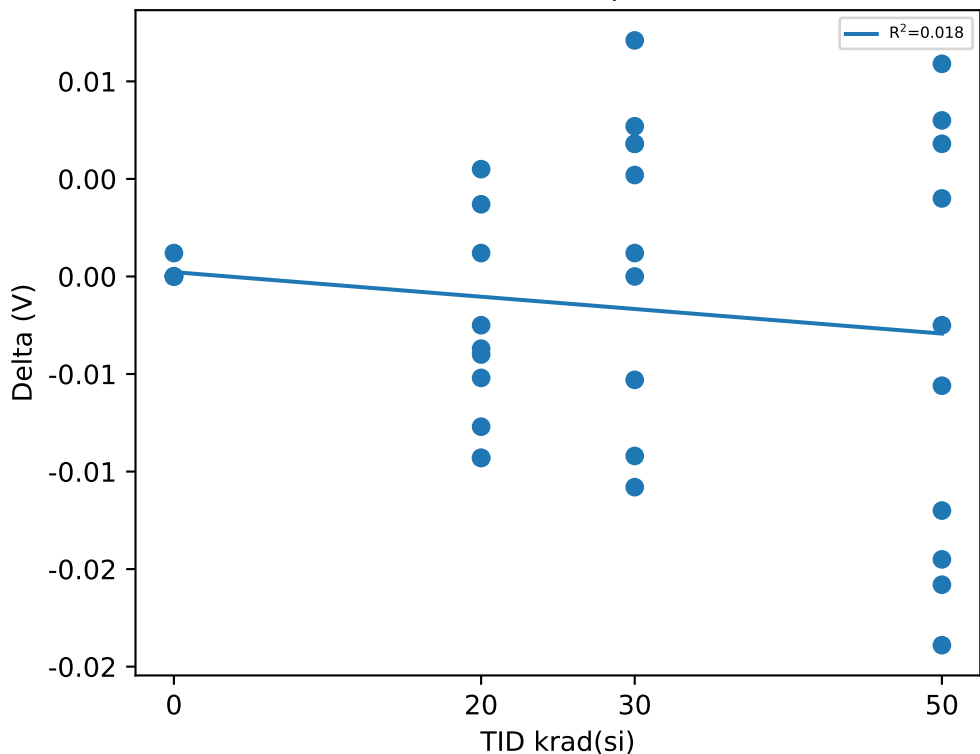
TID vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.4305	7.4268	-0.0037
371	20	Unbiased	7.4055	7.4092	0.0037
383	20	Unbiased	7.4228	7.424	0.0012
390	50	Unbiased	7.424	7.428	0.004
444	30	Unbiased	7.4413	7.4321	-0.0092
509	30	Unbiased	7.4305	7.4373	0.0068
558	0	Correlation	7.4015	7.4015	0
724	20	Biased	7.3999	7.3906	-0.0093
744	50	Biased	7.4639	7.4481	-0.0158
799	50	Biased	7.4413	7.4293	-0.012
842	30	Unbiased	7.3801	7.3801	0
930	50	Unbiased	7.4361	7.4172	-0.0189
964	20	Unbiased	7.428	7.4228	-0.0052
1056	0	Correlation	7.4067	7.4067	0
1095	50	Unbiased	7.4212	7.428	0.0068
1099	0	Correlation	7.4361	7.4361	0
1215	50	Unbiased	7.4361	7.4441	0.008
1229	50	Unbiased	7.4212	7.4321	0.0109
1297	20	Biased	7.3919	7.3974	0.0055
1331	30	Unbiased	7.4132	7.4253	0.0121
1337	20	Biased	7.4188	7.4148	-0.004
1359	30	Biased	7.424	7.4132	-0.0108
1375	30	Unbiased	7.412	7.4172	0.0052
1398	30	Biased	7.4132	7.42	0.0068
1401	20	Biased	7.4132	7.4055	-0.0077
1411	50	Biased	7.4373	7.4228	-0.0145
1474	50	Biased	7.4305	7.428	-0.0025
1500	20	Unbiased	7.4519	7.4494	-0.0025
1504	50	Biased	7.4228	7.4172	-0.0056
1662	30	Biased	7.4055	7.4132	0.0077
1703	30	Biased	7.408	7.4027	-0.0053
1736	30	Biased	7.4333	7.4345	0.0012
1737	0	Correlation	7.4401	7.4401	0
1748	0	Correlation	7.4454	7.4466	0.0012
1794	20	Biased	7.4333	7.424	-0.0093

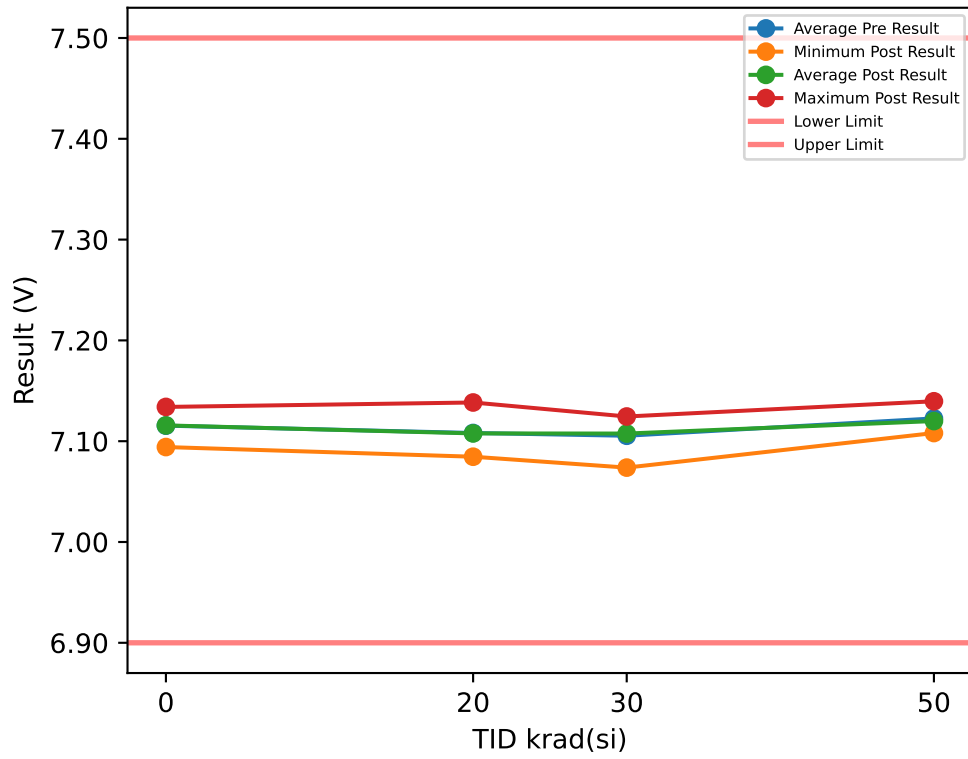
TID vs Post - Pre Exposure Delta



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	7.4015	7.426	7.4454	0.02031	7.4015	7.4262	7.4466	0.020602	0	0.00024	0.0012	0.00053666
20	7.3919	7.4196	7.4519	0.017721	7.3906	7.4165	7.4494	0.016844	-0.0093	-0.00313	0.0055	0.0051925
30	7.3801	7.4161	7.4413	0.017347	7.3801	7.4176	7.4373	0.017049	-0.0108	0.00145	0.0121	0.0077101
50	7.4212	7.4334	7.4639	0.013035	7.4172	7.4295	7.4481	0.010111	-0.0189	-0.00396	0.0109	0.01099

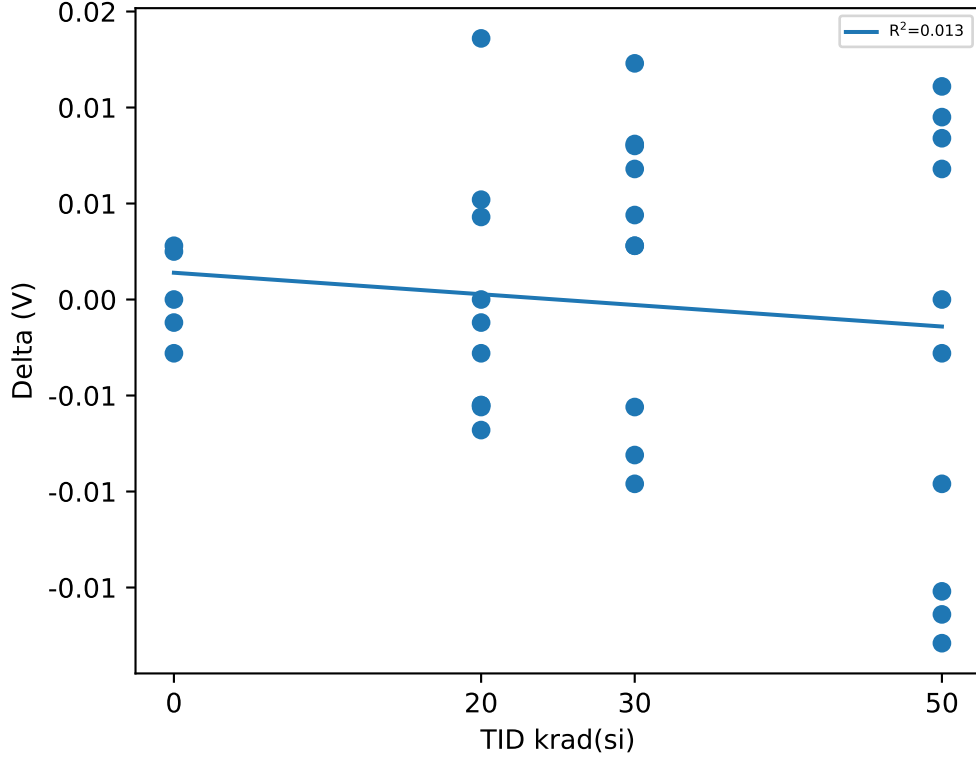
TID vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.1204	7.1149	-0.0055
371	20	Unbiased	7.0942	7.0985	0.0043
383	20	Unbiased	7.1109	7.1161	0.0052
390	50	Unbiased	7.1136	7.1204	0.0068
444	30	Unbiased	7.1285	7.1204	-0.0081
509	30	Unbiased	7.1217	7.1245	0.0028
558	0	Correlation	7.0929	7.0957	0.0028
724	20	Biased	7.0874	7.0846	-0.0028
744	50	Biased	7.1548	7.1396	-0.0152
799	50	Biased	7.1313	7.1217	-0.0096
842	30	Unbiased	7.0694	7.0738	0.0044
930	50	Unbiased	7.1245	7.1081	-0.0164
964	20	Unbiased	7.1161	7.1149	-0.0012
1056	0	Correlation	7.097	7.0942	-0.0028
1095	50	Unbiased	7.1093	7.1177	0.0084
1099	0	Correlation	7.1272	7.126	-0.0012
1215	50	Unbiased	7.1245	7.1356	0.0111
1229	50	Unbiased	7.1109	7.1204	0.0095
1297	20	Biased	7.0778	7.0914	0.0136
1331	30	Unbiased	7.1038	7.1161	0.0123
1337	20	Biased	7.1121	7.1065	-0.0056
1359	30	Biased	7.1109	7.1013	-0.0096
1375	30	Unbiased	7.1013	7.1093	0.008
1398	30	Biased	7.1025	7.1093	0.0068
1401	20	Biased	7.1038	7.097	-0.0068
1411	50	Biased	7.13	7.1121	-0.0179
1474	50	Biased	7.1161	7.1161	0
1500	20	Unbiased	7.1384	7.1384	0
1504	50	Biased	7.1109	7.1081	-0.0028
1662	30	Biased	7.0957	7.1038	0.0081
1703	30	Biased	7.0985	7.0929	-0.0056
1736	30	Biased	7.1217	7.1245	0.0028
1737	0	Correlation	7.126	7.1285	0.0025
1748	0	Correlation	7.134	7.134	0
1794	20	Biased	7.1204	7.1149	-0.0055

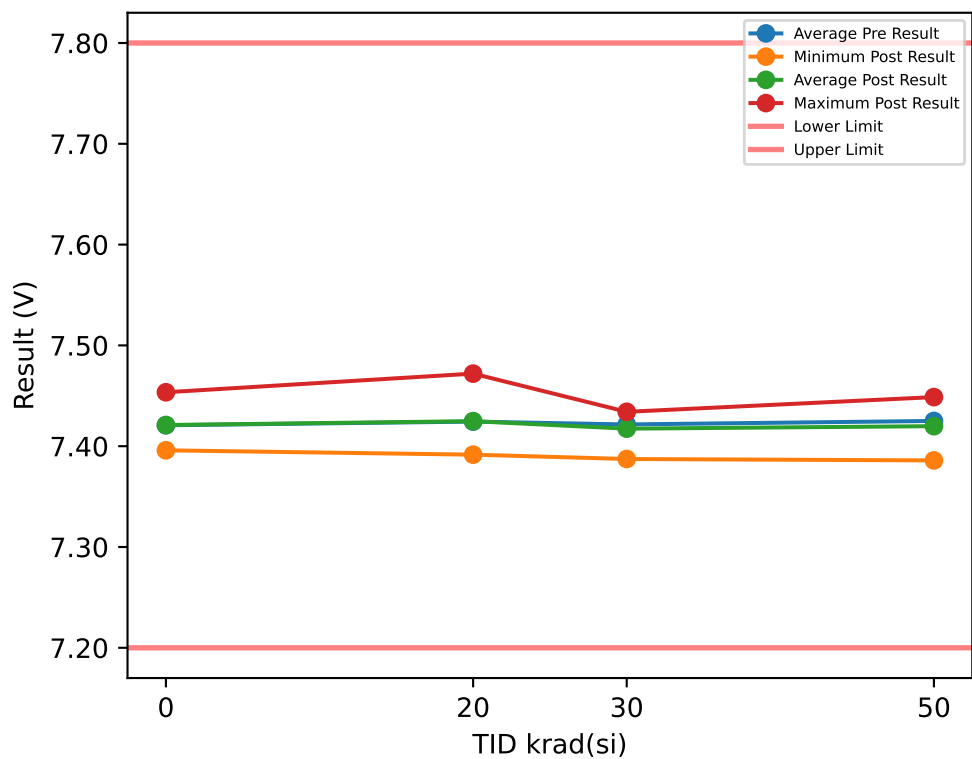
TID vs Post - Pre Exposure Delta



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	7.0929	7.1154	7.134	0.018989	7.0942	7.1157	7.134	0.019151	-0.0028	0.00026	0.0028	0.0023996
20	7.0778	7.1082	7.1384	0.017847	7.0846	7.1077	7.1384	0.015522	-0.0068	-0.00043	0.0136	0.0064638
30	7.0694	7.1054	7.1285	0.016868	7.0738	7.1076	7.1245	0.015726	-0.0096	0.00219	0.0123	0.0074785
50	7.1093	7.1226	7.1548	0.013938	7.1081	7.12	7.1396	0.010524	-0.0179	-0.00261	0.0111	0.011463

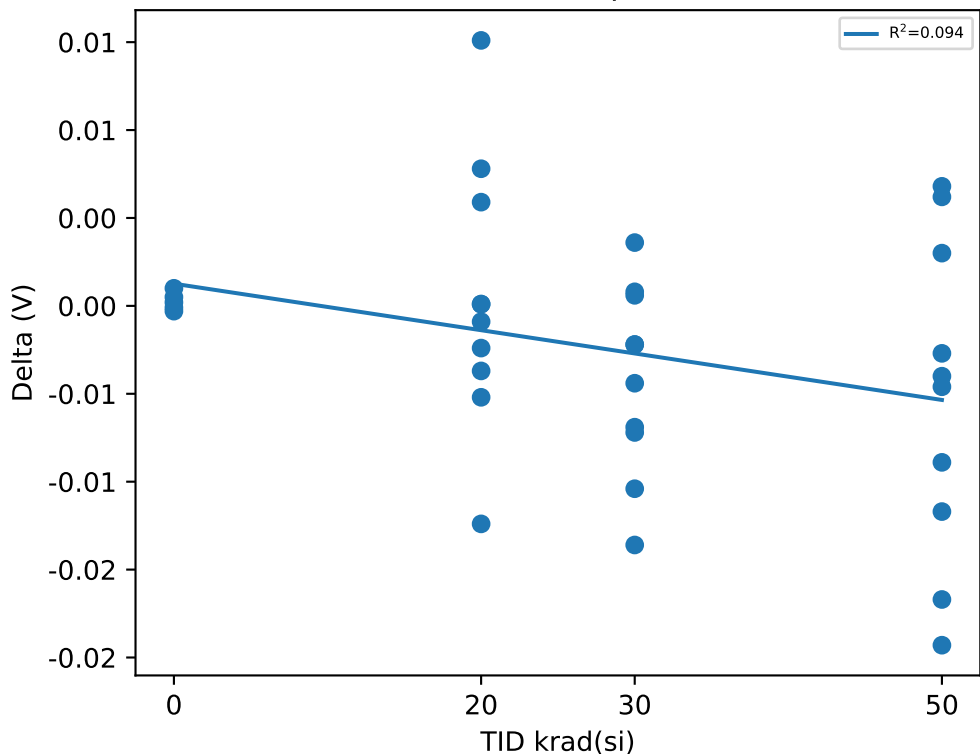
TID vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.426	7.4236	-0.0024
371	20	Unbiased	7.4075	7.4023	-0.0052
383	20	Unbiased	7.4116	7.4117	0.0001
390	50	Unbiased	7.4236	7.4209	-0.0027
444	30	Unbiased	7.441	7.4341	-0.0069
509	30	Unbiased	7.4132	7.411	-0.0022
558	0	Correlation	7.3989	7.3988	-0.0001
724	20	Biased	7.4244	7.4235	-0.0009
744	50	Biased	7.4289	7.4172	-0.0117
799	50	Biased	7.426	7.4171	-0.0089
842	30	Unbiased	7.3865	7.3873	0.0008
930	50	Unbiased	7.4349	7.4156	-0.0193
964	20	Unbiased	7.4424	7.43	-0.0124
1056	0	Correlation	7.3954	7.3959	0.0005
1095	50	Unbiased	7.441	7.4472	0.0062
1099	0	Correlation	7.4533	7.4535	0.0002
1215	50	Unbiased	7.4129	7.4159	0.003
1229	50	Unbiased	7.4185	7.4253	0.0068
1297	20	Biased	7.3915	7.3916	0.0001
1331	30	Unbiased	7.4198	7.4234	0.0036
1337	20	Biased	7.4089	7.4052	-0.0037
1359	30	Biased	7.4304	7.4168	-0.0136
1375	30	Unbiased	7.4223	7.4229	0.0006
1398	30	Biased	7.4207	7.4103	-0.0104
1401	20	Biased	7.4491	7.4569	0.0078
1411	50	Biased	7.4533	7.4487	-0.0046
1474	50	Biased	7.4026	7.3859	-0.0167
1500	20	Unbiased	7.4569	7.472	0.0151
1504	50	Biased	7.4088	7.4048	-0.004
1662	30	Biased	7.4303	7.4259	-0.0044
1703	30	Biased	7.4319	7.4247	-0.0072
1736	30	Biased	7.4197	7.4175	-0.0022
1737	0	Correlation	7.416	7.4157	-0.0003
1748	0	Correlation	7.4402	7.4412	0.001
1794	20	Biased	7.4257	7.4316	0.0059

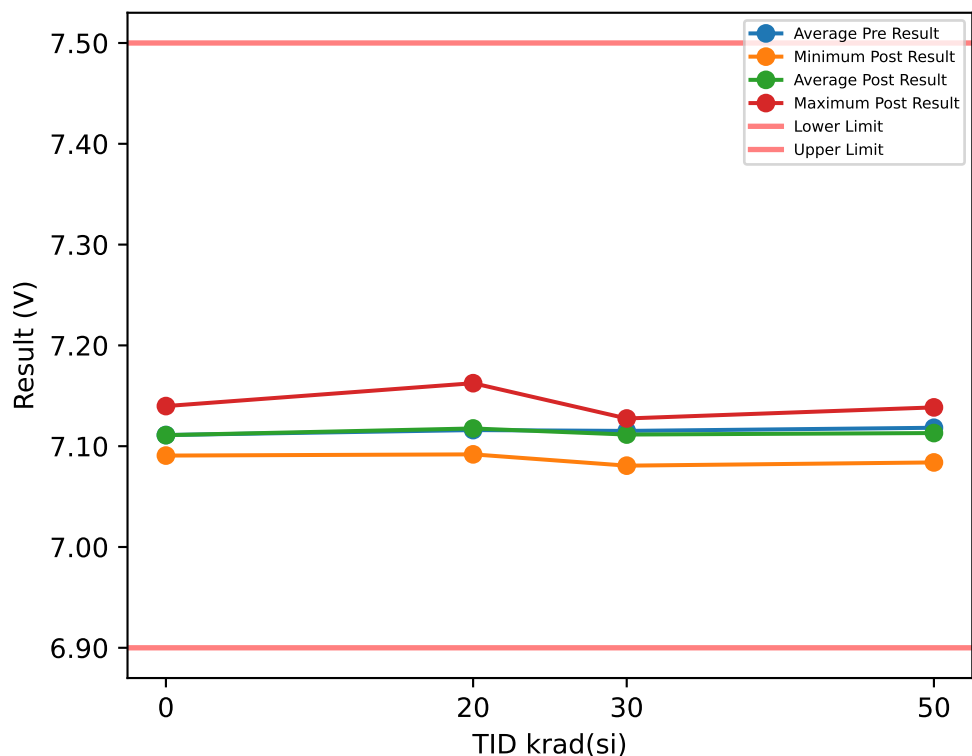
TID vs Post - Pre Exposure Delta



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	7.3954	7.4208	7.4533	0.025399	7.3959	7.421	7.4535	0.02557	-0.0003	0.00026	0.001	0.00051284
20	7.3915	7.4244	7.4569	0.020458	7.3916	7.4248	7.472	0.024718	-0.0124	0.00044	0.0151	0.0076216
30	7.3865	7.4216	7.441	0.014706	7.3873	7.4174	7.4341	0.012773	-0.0136	-0.00419	0.0036	0.0053749
50	7.4026	7.4251	7.4533	0.015369	7.3859	7.4199	7.4487	0.018374	-0.0193	-0.00519	0.0068	0.0090446

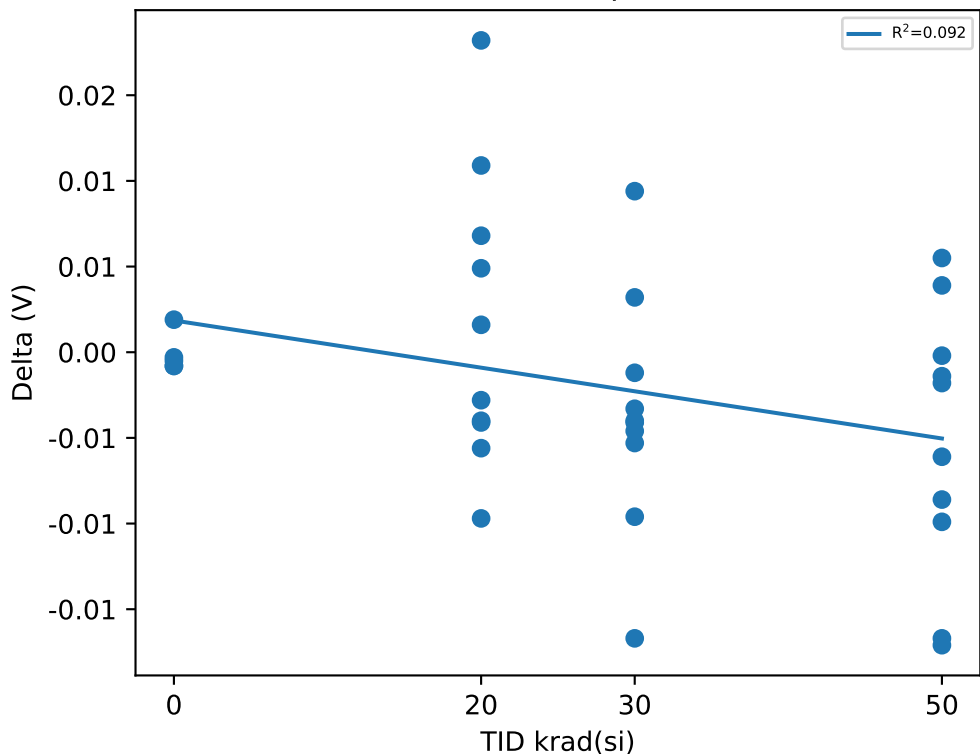
TID vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.1144	7.1103	-0.0041
371	20	Unbiased	7.0975	7.0919	-0.0056
383	20	Unbiased	7.1084	7.11	0.0016
390	50	Unbiased	7.1091	7.113	0.0039
444	30	Unbiased	7.1328	7.1275	-0.0053
509	30	Unbiased	7.1112	7.11	-0.0012
558	0	Correlation	7.091	7.0907	-0.0003
724	20	Biased	7.1212	7.1184	-0.0028
744	50	Biased	7.1144	7.1126	-0.0018
799	50	Biased	7.1199	7.1138	-0.0061
842	30	Unbiased	7.0775	7.0807	0.0032
930	50	Unbiased	7.1309	7.1138	-0.0171
964	20	Unbiased	7.1306	7.1209	-0.0097
1056	0	Correlation	7.0919	7.0938	0.0019
1095	50	Unbiased	7.1387	7.1385	-0.0002
1099	0	Correlation	7.1406	7.1398	-0.0008
1215	50	Unbiased	7.1084	7.107	-0.0014
1229	50	Unbiased	7.114	7.1195	0.0055
1297	20	Biased	7.0885	7.0934	0.0049
1331	30	Unbiased	7.1113	7.1207	0.0094
1337	20	Biased	7.1006	7.0966	-0.004
1359	30	Biased	7.1266	7.1099	-0.0167
1375	30	Unbiased	7.1194	7.1154	-0.004
1398	30	Biased	7.1153	7.1057	-0.0096
1401	20	Biased	7.1403	7.1471	0.0068
1411	50	Biased	7.1434	7.1348	-0.0086
1474	50	Biased	7.1006	7.0839	-0.0167
1500	20	Unbiased	7.1443	7.1625	0.0182
1504	50	Biased	7.1034	7.0935	-0.0099
1662	30	Biased	7.1268	7.1227	-0.0041
1703	30	Biased	7.1184	7.1138	-0.0046
1736	30	Biased	7.1124	7.1091	-0.0033
1737	0	Correlation	7.1062	7.1057	-0.0005
1748	0	Correlation	7.1256	7.1248	-0.0008
1794	20	Biased	7.114	7.1249	0.0109

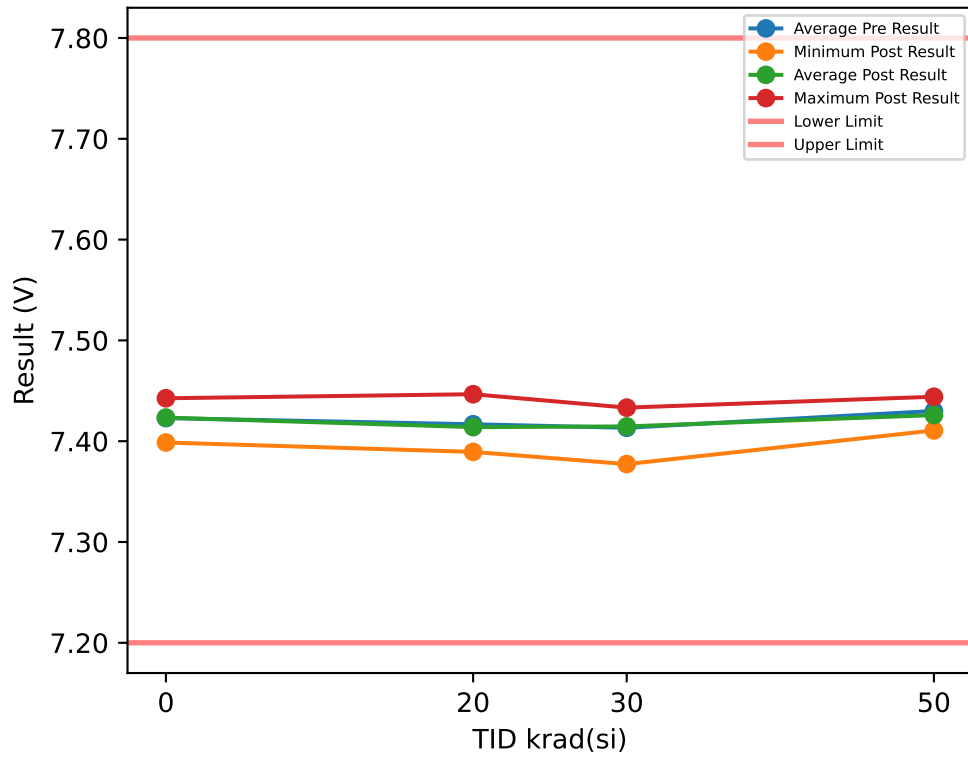
TID vs Post - Pre Exposure Delta



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	7.091	7.1111	7.1406	0.021663	7.0907	7.111	7.1398	0.020952	-0.0008	-0.0001	0.0019	0.001138
20	7.0885	7.116	7.1443	0.018353	7.0919	7.1176	7.1625	0.022972	-0.0097	0.00162	0.0182	0.0085811
30	7.0775	7.1152	7.1328	0.015138	7.0807	7.1115	7.1275	0.012821	-0.0167	-0.00362	0.0094	0.0069362
50	7.1006	7.1183	7.1434	0.014754	7.0839	7.113	7.1385	0.016439	-0.0171	-0.00524	0.0055	0.0078642

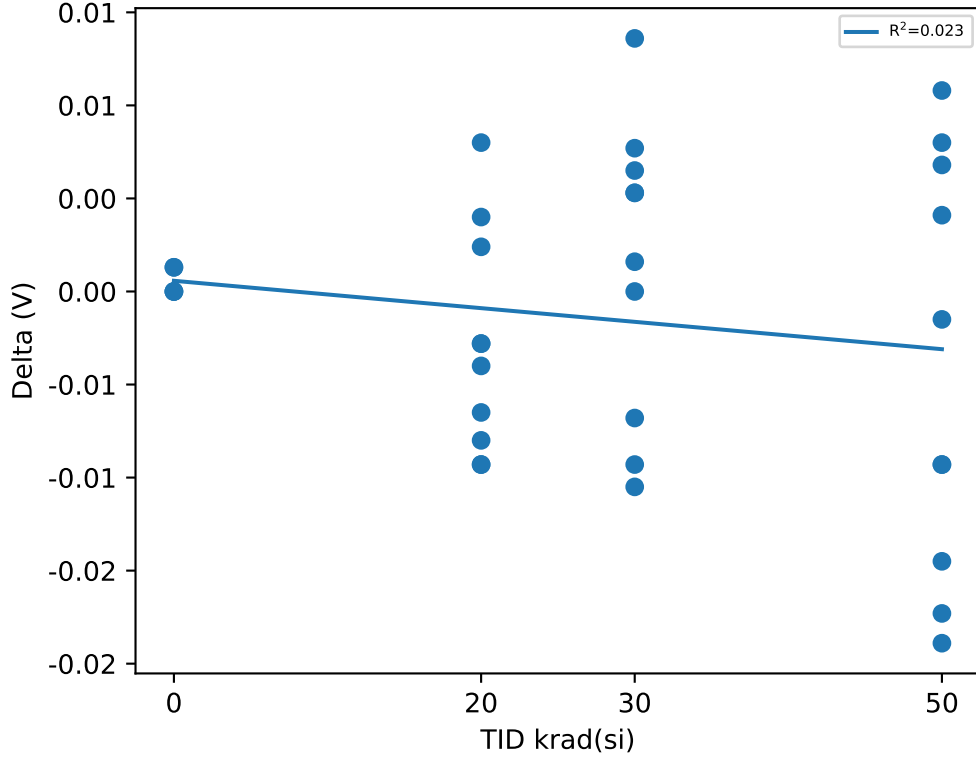
TID vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.428	7.424	-0.004
371	20	Unbiased	7.4027	7.4067	0.004
383	20	Unbiased	7.4188	7.4212	0.0024
390	50	Unbiased	7.4212	7.4253	0.0041
444	30	Unbiased	7.4386	7.4293	-0.0093
509	30	Unbiased	7.428	7.4333	0.0053
558	0	Correlation	7.3974	7.3987	0.0013
724	20	Biased	7.3974	7.3894	-0.008
744	50	Biased	7.4614	7.4441	-0.0173
799	50	Biased	7.4386	7.4293	-0.0093
842	30	Unbiased	7.3773	7.3773	0
930	50	Unbiased	7.4321	7.4132	-0.0189
964	20	Unbiased	7.4253	7.4188	-0.0065
1056	0	Correlation	7.4039	7.4039	0
1095	50	Unbiased	7.4172	7.424	0.0068
1099	0	Correlation	7.4345	7.4345	0
1215	50	Unbiased	7.4321	7.4401	0.008
1229	50	Unbiased	7.4172	7.428	0.0108
1297	20	Biased	7.3879	7.3959	0.008
1331	30	Unbiased	7.4092	7.4228	0.0136
1337	20	Biased	7.416	7.4132	-0.0028
1359	30	Biased	7.4212	7.4107	-0.0105
1375	30	Unbiased	7.4107	7.416	0.0053
1398	30	Biased	7.4107	7.4172	0.0065
1401	20	Biased	7.412	7.4027	-0.0093
1411	50	Biased	7.4333	7.4188	-0.0145
1474	50	Biased	7.4268	7.4253	-0.0015
1500	20	Unbiased	7.4494	7.4466	-0.0028
1504	50	Biased	7.42	7.4107	-0.0093
1662	30	Biased	7.4015	7.4092	0.0077
1703	30	Biased	7.4055	7.3987	-0.0068
1736	30	Biased	7.4305	7.4321	0.0016
1737	0	Correlation	7.4373	7.4373	0
1748	0	Correlation	7.4413	7.4426	0.0013
1794	20	Biased	7.4305	7.4212	-0.0093

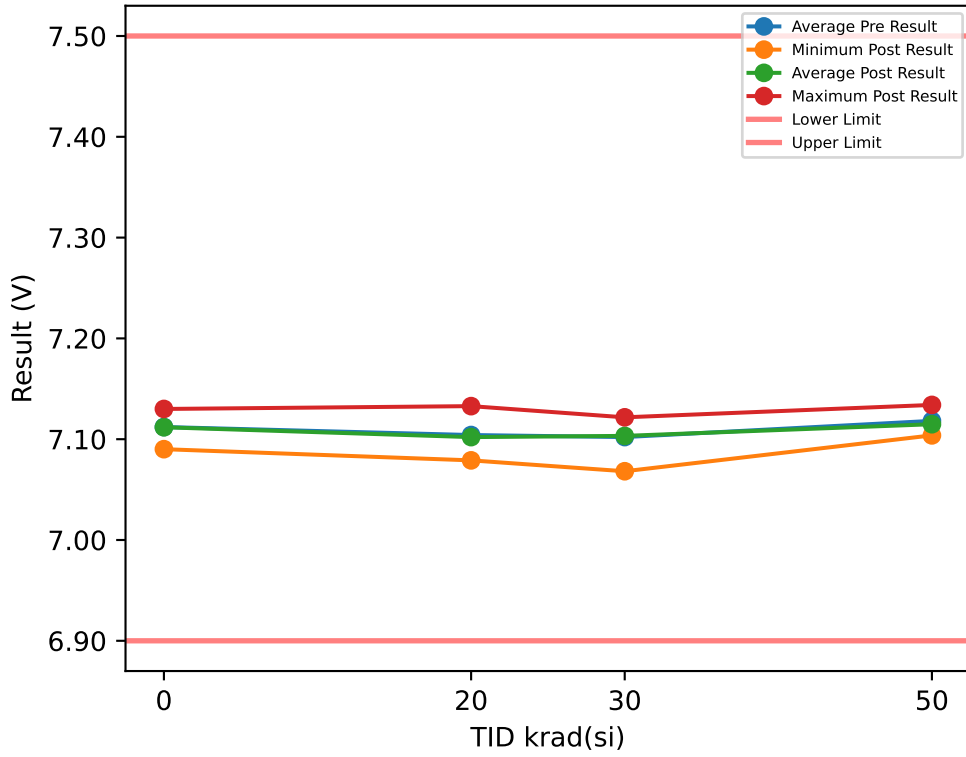
TID vs Post - Pre Exposure Delta



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	7.3974	7.4229	7.4413	0.020565	7.3987	7.4234	7.4426	0.020466	0	0.00052	0.0013	0.00071204
20	7.3879	7.4168	7.4494	0.017908	7.3894	7.414	7.4466	0.016343	-0.0093	-0.00283	0.008	0.0059309
30	7.3773	7.4133	7.4386	0.017451	7.3773	7.4147	7.4333	0.017115	-0.0105	0.00134	0.0136	0.0079601
50	7.4172	7.43	7.4614	0.013312	7.4107	7.4259	7.4441	0.010519	-0.0189	-0.00411	0.0108	0.011139

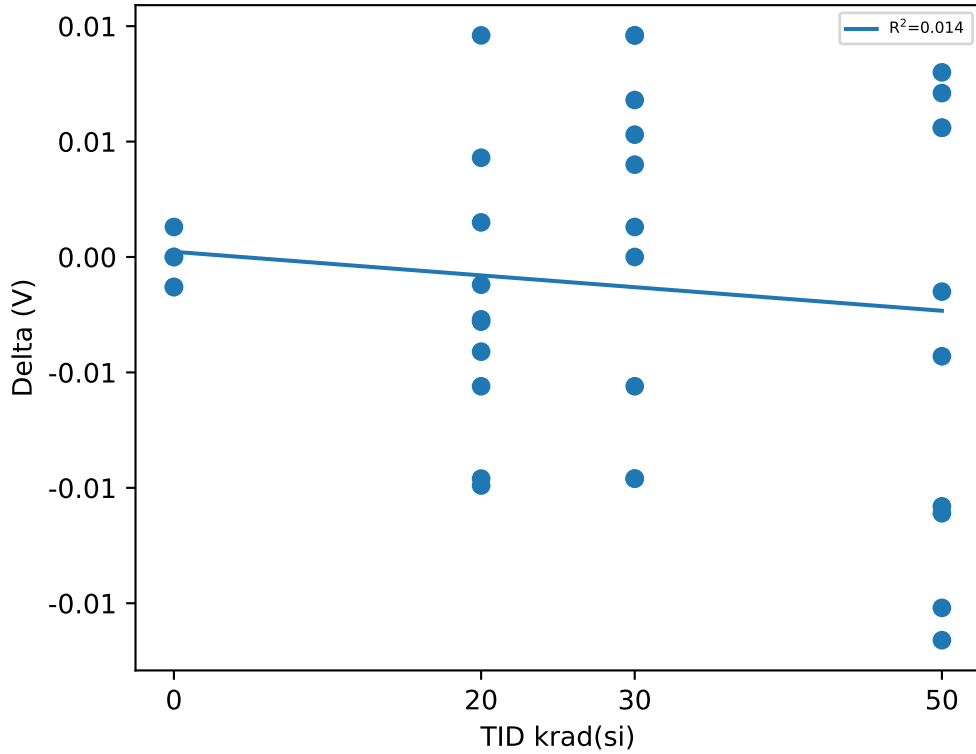
TID vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.1149	7.1121	-0.0028
371	20	Unbiased	7.0914	7.0929	0.0015
383	20	Unbiased	7.1038	7.1081	0.0043
390	50	Unbiased	7.1065	7.1121	0.0056
444	30	Unbiased	7.1245	7.1149	-0.0096
509	30	Unbiased	7.1177	7.1217	0.004
558	0	Correlation	7.0901	7.0901	0
724	20	Biased	7.0846	7.079	-0.0056
744	50	Biased	7.1492	7.134	-0.0152
799	50	Biased	7.13	7.1189	-0.0111
842	30	Unbiased	7.0682	7.0682	0
930	50	Unbiased	7.1204	7.1038	-0.0166
964	20	Unbiased	7.1136	7.1109	-0.0027
1056	0	Correlation	7.0942	7.0929	-0.0013
1095	50	Unbiased	7.1038	7.1109	0.0071
1099	0	Correlation	7.1204	7.1217	0.0013
1215	50	Unbiased	7.1204	7.126	0.0056
1229	50	Unbiased	7.1081	7.1161	0.008
1297	20	Biased	7.075	7.0846	0.0096
1331	30	Unbiased	7.0997	7.1093	0.0096
1337	20	Biased	7.1038	7.0997	-0.0041
1359	30	Biased	7.1081	7.0985	-0.0096
1375	30	Unbiased	7.0985	7.1038	0.0053
1398	30	Biased	7.0997	7.1065	0.0068
1401	20	Biased	7.1013	7.0914	-0.0099
1411	50	Biased	7.1217	7.1109	-0.0108
1474	50	Biased	7.1136	7.1121	-0.0015
1500	20	Unbiased	7.134	7.1328	-0.0012
1504	50	Biased	7.1081	7.1038	-0.0043
1662	30	Biased	7.0901	7.0997	0.0096
1703	30	Biased	7.0942	7.0886	-0.0056
1736	30	Biased	7.1204	7.1217	0.0013
1737	0	Correlation	7.1245	7.1245	0
1748	0	Correlation	7.1313	7.13	-0.0013
1794	20	Biased	7.1189	7.1093	-0.0096

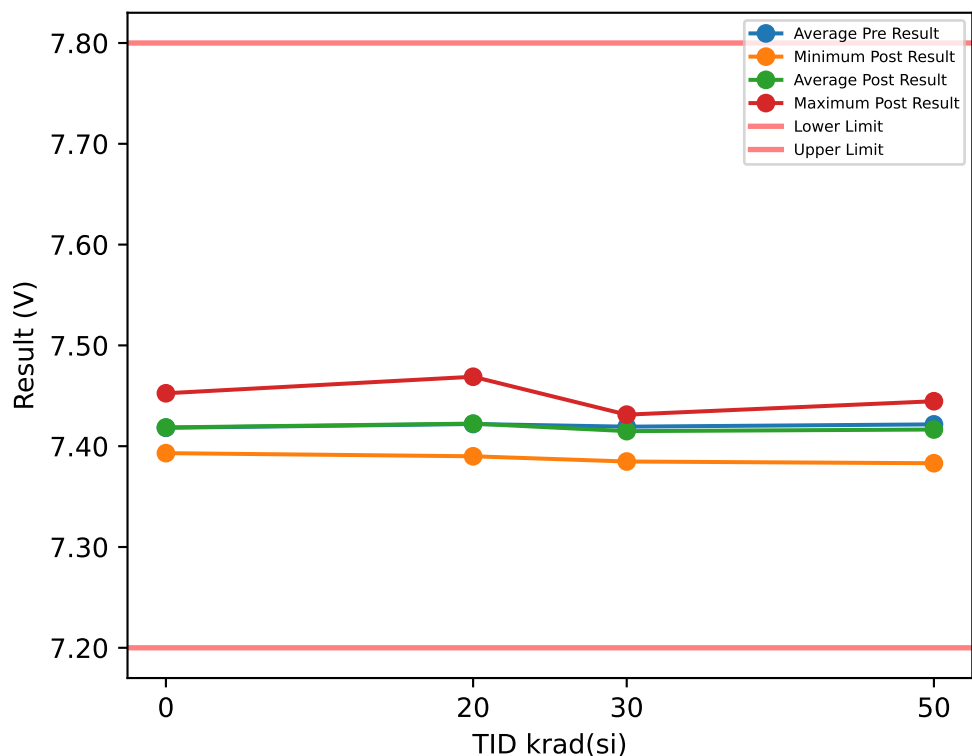
TID vs Post - Pre Exposure Delta



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	7.0901	7.1121	7.1313	0.01868	7.0901	7.1118	7.13	0.018832	-0.0013	-0.00026	0.0013	0.0010877
20	7.075	7.1041	7.134	0.017373	7.079	7.1021	7.1328	0.01582	-0.0099	-0.00205	0.0096	0.0060165
30	7.0682	7.1021	7.1245	0.016654	7.0682	7.1033	7.1217	0.016132	-0.0096	0.00118	0.0096	0.0072885
50	7.1038	7.1182	7.1492	0.01371	7.1038	7.1149	7.134	0.0094254	-0.0166	-0.00332	0.008	0.0096269

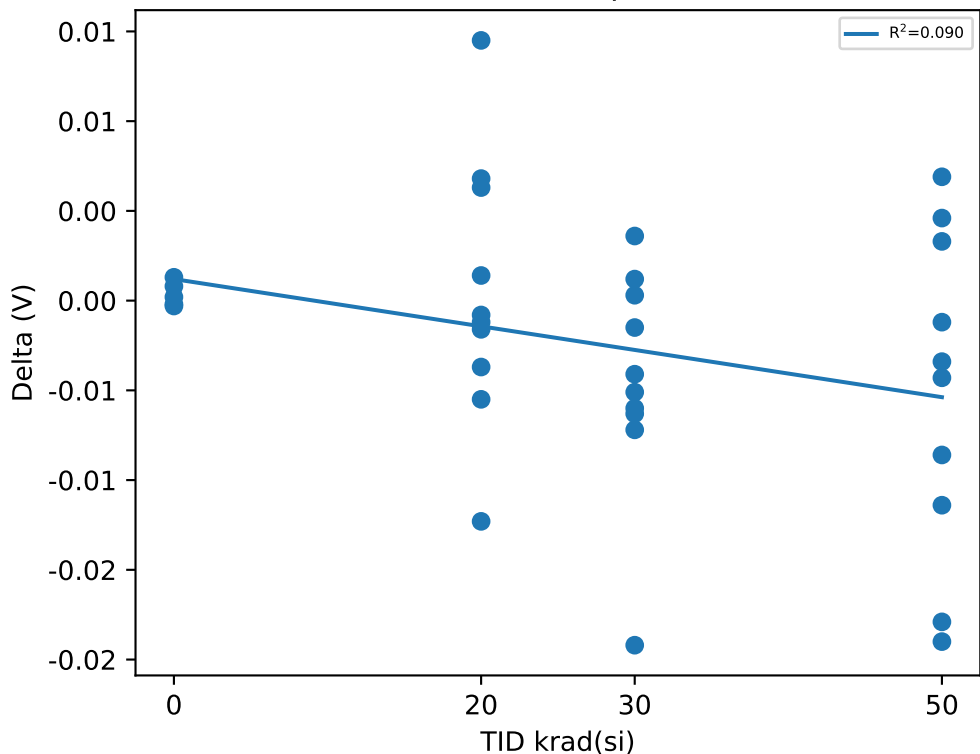
TID vs Result Stats



Test Results (Lower Limit = 7.2, Upper Limit = 7.8 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.4232	7.4224	-0.0008
371	20	Unbiased	7.405	7.3995	-0.0055
383	20	Unbiased	7.4088	7.4076	-0.0012
390	50	Unbiased	7.4199	7.4187	-0.0012
444	30	Unbiased	7.4385	7.4313	-0.0072
509	30	Unbiased	7.41	7.4085	-0.0015
558	0	Correlation	7.3961	7.3959	-0.0002
724	20	Biased	7.4235	7.4219	-0.0016
744	50	Biased	7.4249	7.4135	-0.0114
799	50	Biased	7.4232	7.4146	-0.0086
842	30	Unbiased	7.3836	7.3848	0.0012
930	50	Unbiased	7.4308	7.4118	-0.019
964	20	Unbiased	7.4386	7.4263	-0.0123
1056	0	Correlation	7.3929	7.3931	0.0002
1095	50	Unbiased	7.4369	7.4438	0.0069
1099	0	Correlation	7.4517	7.4525	0.0008
1215	50	Unbiased	7.4101	7.4134	0.0033
1229	50	Unbiased	7.4147	7.4193	0.0046
1297	20	Biased	7.3886	7.39	0.0014
1331	30	Unbiased	7.417	7.4206	0.0036
1337	20	Biased	7.4061	7.4024	-0.0037
1359	30	Biased	7.4323	7.4131	-0.0192
1375	30	Unbiased	7.4207	7.421	0.0003
1398	30	Biased	7.4182	7.4122	-0.006
1401	20	Biased	7.4476	7.4544	0.0068
1411	50	Biased	7.4489	7.4446	-0.0043
1474	50	Biased	7.401	7.3831	-0.0179
1500	20	Unbiased	7.4544	7.4689	0.0145
1504	50	Biased	7.406	7.4026	-0.0034
1662	30	Biased	7.4275	7.4224	-0.0051
1703	30	Biased	7.4288	7.4225	-0.0063
1736	30	Biased	7.4172	7.4131	-0.0041
1737	0	Correlation	7.4132	7.4145	0.0013
1748	0	Correlation	7.4374	7.4371	-0.0003
1794	20	Biased	7.4244	7.4307	0.0063

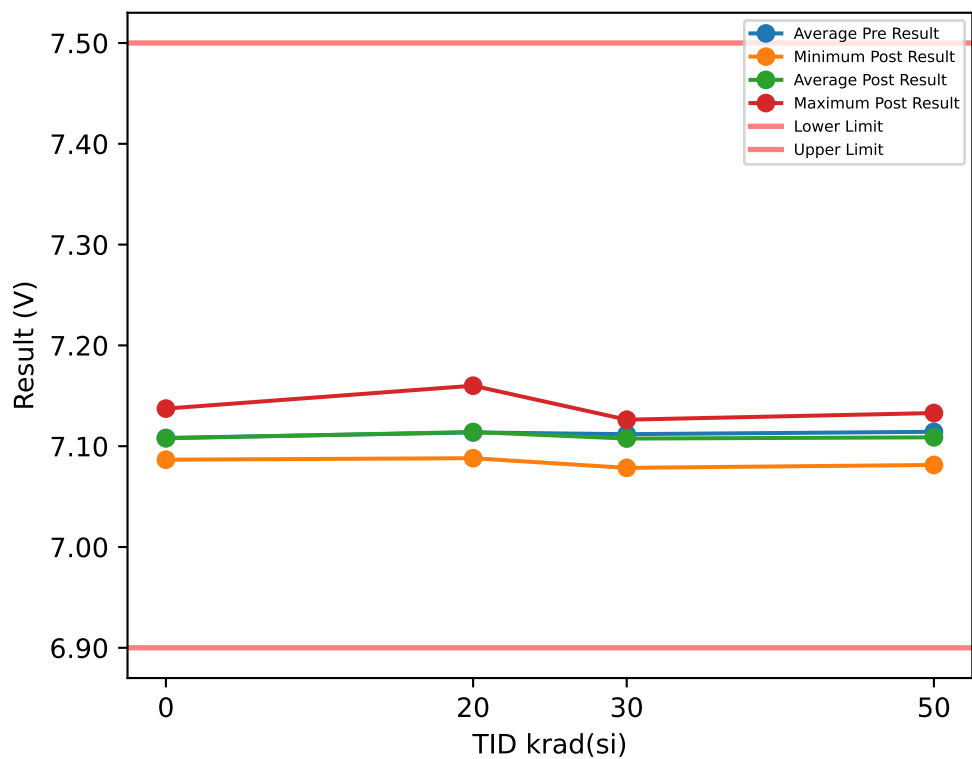
TID vs Post - Pre Exposure Delta



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	7.3929	7.4183	7.4517	0.025712	7.3931	7.4186	7.4525	0.025854	-0.0003	0.00036	0.0013	0.00068044
20	7.3886	7.422	7.4544	0.020607	7.39	7.4224	7.4689	0.024639	-0.0123	0.00039	0.0145	0.0074273
30	7.3836	7.4194	7.4385	0.015162	7.3848	7.415	7.4313	0.012532	-0.0192	-0.00443	0.0036	0.00632
50	7.401	7.4216	7.4489	0.014636	7.3831	7.4165	7.4446	0.017953	-0.019	-0.0051	0.0069	0.0090454

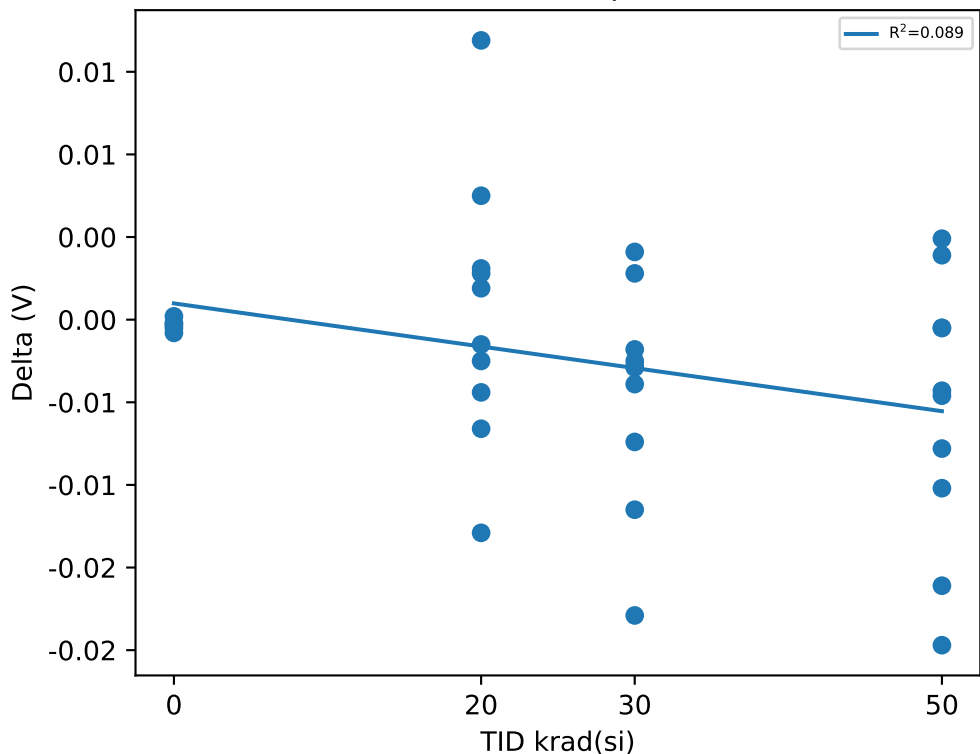
TID vs Result Stats



Test Results (Lower Limit = 6.9, Upper Limit = 7.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.1122	7.1078	-0.0044
371	20	Unbiased	7.0947	7.0881	-0.0066
383	20	Unbiased	7.1031	7.1016	-0.0015
390	50	Unbiased	7.105	7.1099	0.0049
444	30	Unbiased	7.1291	7.1263	-0.0028
509	30	Unbiased	7.1075	7.1057	-0.0018
558	0	Correlation	7.0869	7.0866	-0.0003
724	20	Biased	7.1165	7.1184	0.0019
744	50	Biased	7.1131	7.1088	-0.0043
799	50	Biased	7.1156	7.111	-0.0046
842	30	Unbiased	7.0757	7.0785	0.0028
930	50	Unbiased	7.1266	7.1069	-0.0197
964	20	Unbiased	7.1294	7.1165	-0.0129
1056	0	Correlation	7.0906	7.0898	-0.0008
1095	50	Unbiased	7.1334	7.1329	-0.0005
1099	0	Correlation	7.1378	7.1373	-0.0005
1215	50	Unbiased	7.1047	7.1042	-0.0005
1229	50	Unbiased	7.1087	7.1126	0.0039
1297	20	Biased	7.0869	7.0897	0.0028
1331	30	Unbiased	7.1088	7.1129	0.0041
1337	20	Biased	7.0966	7.0941	-0.0025
1359	30	Biased	7.1237	7.1058	-0.0179
1375	30	Unbiased	7.115	7.1125	-0.0025
1398	30	Biased	7.1128	7.1013	-0.0115
1401	20	Biased	7.1359	7.1434	0.0075
1411	50	Biased	7.1394	7.1292	-0.0102
1474	50	Biased	7.0975	7.0814	-0.0161
1500	20	Unbiased	7.1431	7.16	0.0169
1504	50	Biased	7.0988	7.091	-0.0078
1662	30	Biased	7.1212	7.1183	-0.0029
1703	30	Biased	7.114	7.1101	-0.0039
1736	30	Biased	7.1115	7.1041	-0.0074
1737	0	Correlation	7.1031	7.1029	-0.0002
1748	0	Correlation	7.1225	7.1227	0.0002
1794	20	Biased	7.1181	7.1212	0.0031

TID vs Post - Pre Exposure Delta

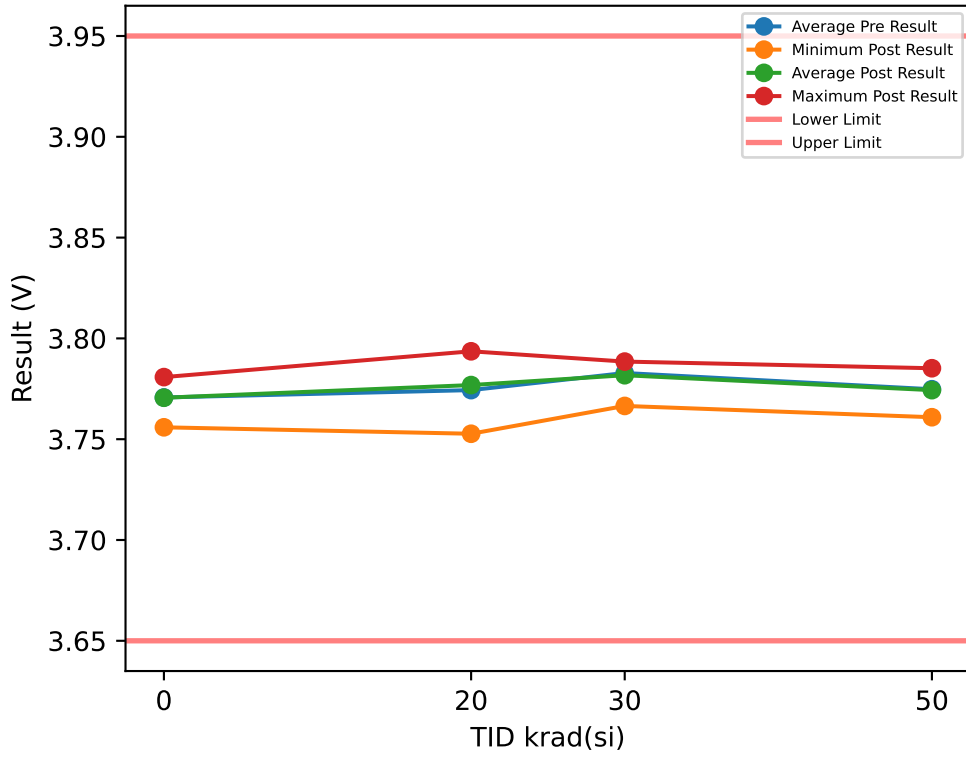


Test Statistics (V)

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	7.0869	7.1082	7.1378	0.021622	7.0866	7.1079	7.1373	0.021735	-0.0008	-0.00032	0.0002	0.00037014
20	7.0869	7.1136	7.1431	0.01861	7.0881	7.1141	7.16	0.023351	-0.0129	0.00043	0.0169	0.0081575
30	7.0757	7.1119	7.1291	0.014437	7.0785	7.1076	7.1263	0.012597	-0.0179	-0.00438	0.0041	0.0065079
50	7.0975	7.1143	7.1394	0.01446	7.0814	7.1088	7.1329	0.015311	-0.0197	-0.00549	0.0049	0.0080977

Device Test: 17.7 UVLO|VLDO_RISE/VLDO/4.5/4.5/0/1000/4.5/100kHz//@VLDO_UVLO_RISE

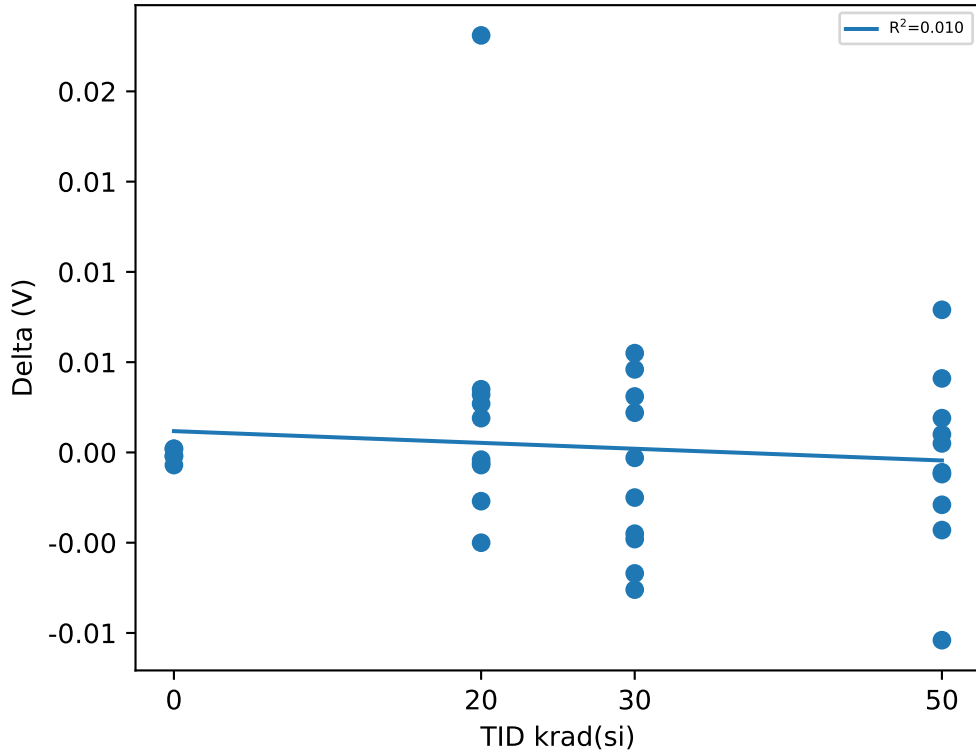
TID vs Result Stats



Test Results (Lower Limit = 3.65, Upper Limit = 3.95 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	3.7705	3.7936	0.0231
371	20	Unbiased	3.7661	3.768	0.0019
383	20	Unbiased	3.7745	3.778	0.0035
390	50	Unbiased	3.7733	3.7721	-0.0012
444	30	Unbiased	3.7837	3.7761	-0.0076
509	30	Unbiased	3.7853	3.7805	-0.0048
558	0	Correlation	3.7764	3.7757	-0.0007
724	20	Biased	3.7825	3.7798	-0.0027
744	50	Biased	3.7836	3.7841	0.0005
799	50	Biased	3.7956	3.7852	-0.0104
842	30	Unbiased	3.7842	3.7839	-0.0003
930	50	Unbiased	3.773	3.7687	-0.0043
964	20	Unbiased	3.7899	3.7931	0.0032
1056	0	Correlation	3.7637	3.7639	0.0002
1095	50	Unbiased	3.7694	3.7713	0.0019
1099	0	Correlation	3.7767	3.7765	-0.0002
1215	50	Unbiased	3.7568	3.7609	0.0041
1229	50	Unbiased	3.7838	3.7827	-0.0011
1297	20	Biased	3.773	3.7723	-0.0007
1331	30	Unbiased	3.7815	3.7846	0.0031
1337	20	Biased	3.7577	3.7527	-0.005
1359	30	Biased	3.789	3.7865	-0.0025
1375	30	Unbiased	3.7799	3.7821	0.0022
1398	30	Biased	3.783	3.7885	0.0055
1401	20	Biased	3.7721	3.7748	0.0027
1411	50	Biased	3.7752	3.7831	0.0079
1474	50	Biased	3.7663	3.7634	-0.0029
1500	20	Unbiased	3.7828	3.7824	-0.0004
1504	50	Biased	3.7708	3.7718	0.001
1662	30	Biased	3.791	3.7843	-0.0067
1703	30	Biased	3.771	3.7665	-0.0045
1736	30	Biased	3.7797	3.7843	0.0046
1737	0	Correlation	3.7806	3.7808	0.0002
1748	0	Correlation	3.7561	3.7559	-0.0002
1794	20	Biased	3.7744	3.7738	-0.0006

TID vs Post - Pre Exposure Delta

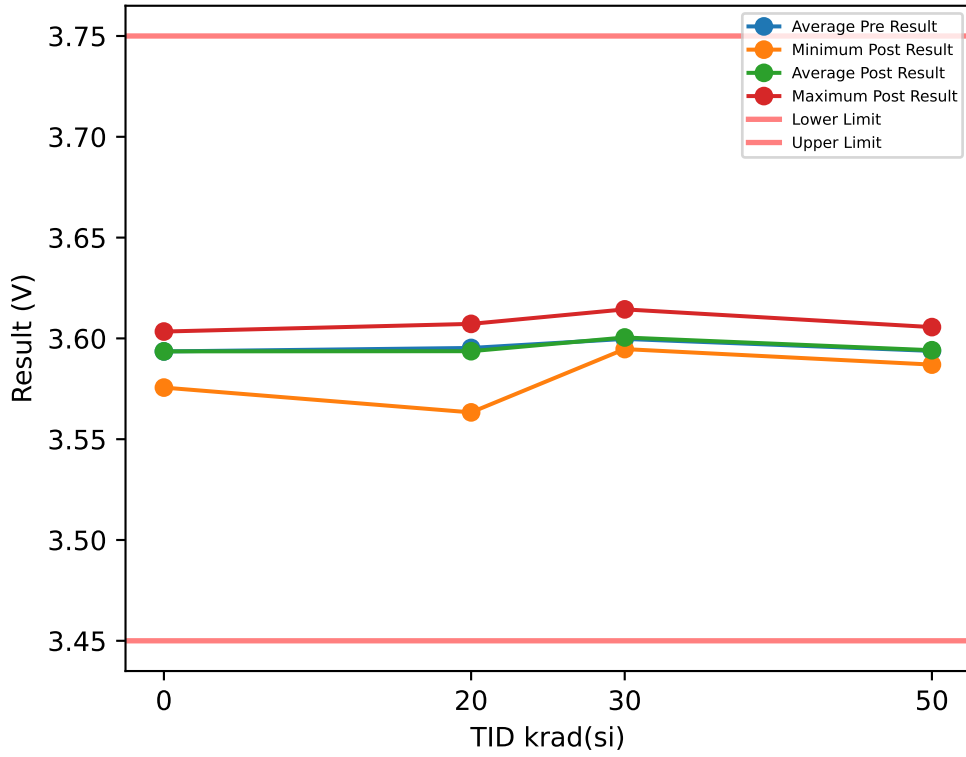


Test Statistics (V)

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	3.7561	3.7707	3.7806	0.010352	3.7559	3.7706	3.7808	0.010318	-0.0007	-0.00014	0.0002	0.00037148
20	3.7577	3.7743	3.7899	0.0091083	3.7527	3.7769	3.7936	0.011931	-0.005	0.0025	0.0231	0.0077302
30	3.771	3.7828	3.791	0.0055144	3.7665	3.7817	3.7885	0.0063249	-0.0076	-0.0011	0.0055	0.0047847
50	3.7568	3.7748	3.7956	0.01074	3.7609	3.7743	3.7852	0.0088986	-0.0104	-0.00045	0.0079	0.0049415

Device Test: 17.8 UVLO|VLDO_FALL/VLDO/4.5/4.5/0/1000/4.5/100kHz//@VLDO_UVLO_FALL

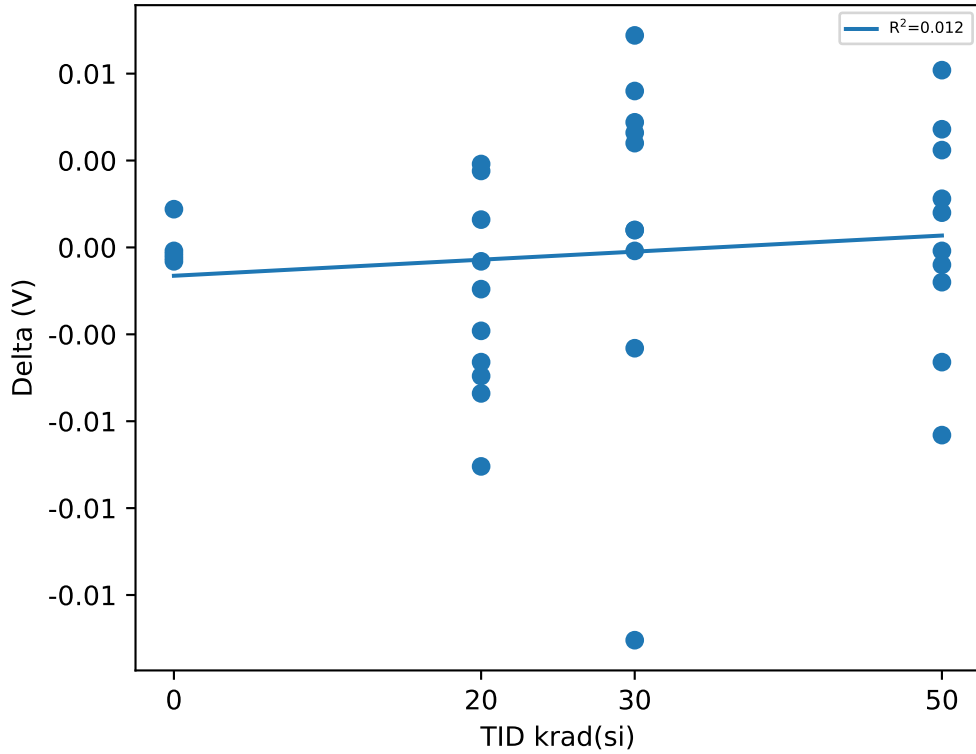
TID vs Result Stats



Test Results (Lower Limit = 3.45, Upper Limit = 3.75 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	3.6017	3.6039	0.0022
371	20	Unbiased	3.5903	3.5911	0.0008
383	20	Unbiased	3.595	3.5926	-0.0024
390	50	Unbiased	3.5983	3.5929	-0.0054
444	30	Unbiased	3.6139	3.6144	0.0005
509	30	Unbiased	3.6017	3.6053	0.0036
558	0	Correlation	3.5946	3.5943	-0.0003
724	20	Biased	3.6005	3.5972	-0.0033
744	50	Biased	3.5943	3.5953	0.001
799	50	Biased	3.6042	3.6056	0.0014
842	30	Unbiased	3.593	3.5975	0.0045
930	50	Unbiased	3.5918	3.5913	-0.0005
964	20	Unbiased	3.5971	3.5995	0.0024
1056	0	Correlation	3.5757	3.5756	-0.0001
1095	50	Unbiased	3.5842	3.5893	0.0051
1099	0	Correlation	3.5983	3.5994	0.0011
1215	50	Unbiased	3.5886	3.592	0.0034
1229	50	Unbiased	3.6045	3.6035	-0.001
1297	20	Biased	3.5933	3.5891	-0.0042
1331	30	Unbiased	3.592	3.595	0.003
1337	20	Biased	3.5696	3.5633	-0.0063
1359	30	Biased	3.6098	3.5985	-0.0113
1375	30	Unbiased	3.5936	3.5997	0.0061
1398	30	Biased	3.6032	3.6003	-0.0029
1401	20	Biased	3.6076	3.6072	-0.0004
1411	50	Biased	3.5974	3.5941	-0.0033
1474	50	Biased	3.5842	3.587	0.0028
1500	20	Unbiased	3.6011	3.5999	-0.0012
1504	50	Biased	3.5904	3.5903	-0.0001
1662	30	Biased	3.6027	3.6026	-0.0001
1703	30	Biased	3.5914	3.5947	0.0033
1736	30	Biased	3.5961	3.5966	0.0005
1737	0	Correlation	3.6036	3.6034	-0.0002
1748	0	Correlation	3.5955	3.5951	-0.0004
1794	20	Biased	3.5964	3.5927	-0.0037

TID vs Post - Pre Exposure Delta

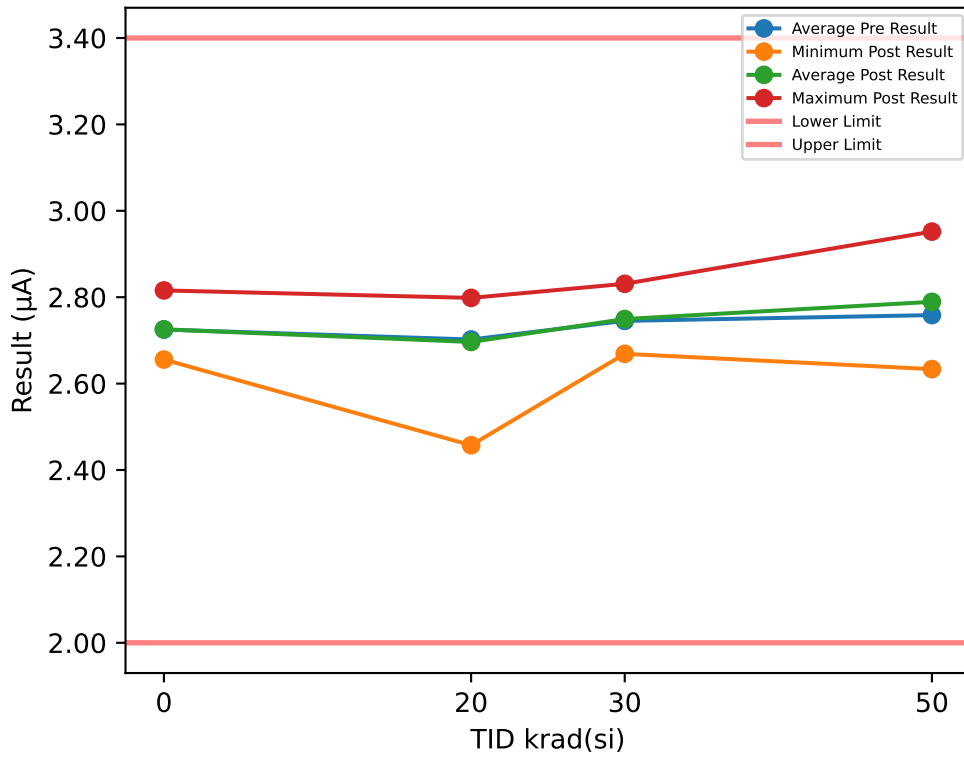


Test Statistics (V)

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	3.5757	3.5935	3.6036	0.010572	3.5756	3.5936	3.6034	0.010682	-0.0004	2e-05	0.0011	0.000614
20	3.5696	3.5953	3.6076	0.010257	3.5633	3.5937	3.6072	0.012133	-0.0063	-0.00161	0.0024	0.0028788
30	3.5914	3.5997	3.6139	0.0078324	3.5947	3.6005	3.6144	0.0059013	-0.0113	0.00072	0.0061	0.0049636
50	3.5842	3.5938	3.6045	0.007326	3.587	3.5941	3.6056	0.0059965	-0.0054	0.00034	0.0051	0.0031362

Device Test: 18.13 CURRENT|SS_0p3V/SS/14/14/0/1000/5/100kHz//@I_SS

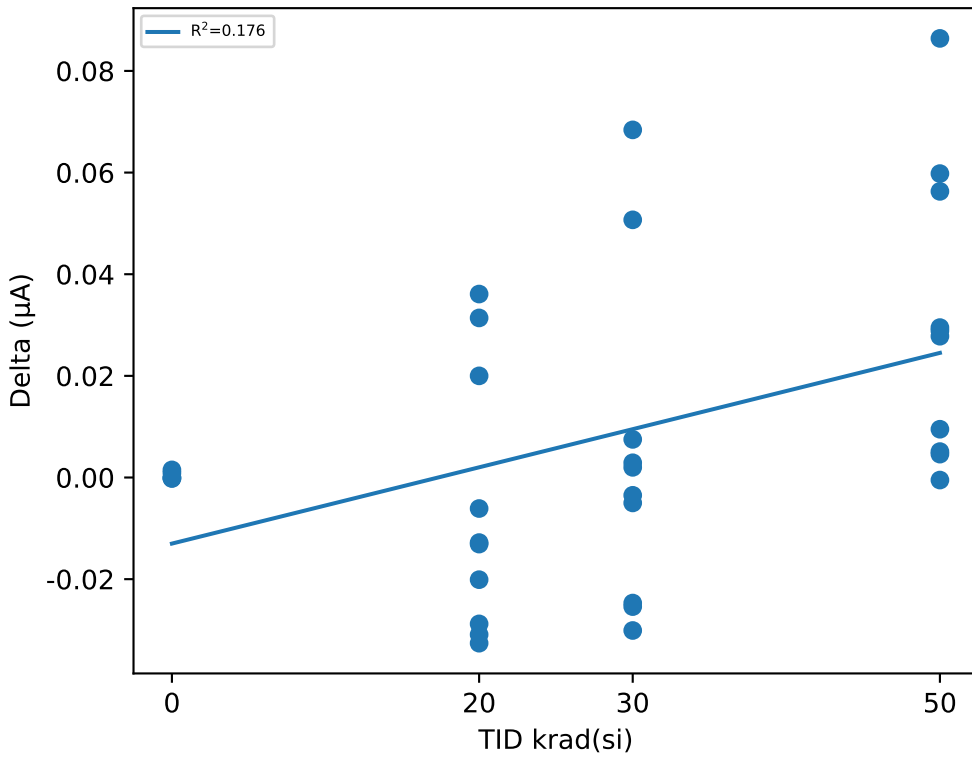
TID vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.6923	2.6862	-0.0061
371	20	Unbiased	2.7349	2.7023	-0.0326
383	20	Unbiased	2.8044	2.7916	-0.0128
390	50	Unbiased	2.7727	2.8022	0.0295
444	30	Unbiased	2.7495	2.7445	-0.005
509	30	Unbiased	2.8513	2.8266	-0.0247
558	0	Correlation	2.8142	2.8157	0.0015
724	20	Biased	2.5561	2.5922	0.0361
744	50	Biased	2.8654	2.9518	0.0864
799	50	Biased	2.6439	2.7002	0.0563
842	30	Unbiased	2.745	2.7149	-0.0301
930	50	Unbiased	2.7395	2.749	0.0095
964	20	Unbiased	2.7745	2.7945	0.02
1056	0	Correlation	2.7045	2.7045	0
1095	50	Unbiased	2.7849	2.7844	-0.0005
1099	0	Correlation	2.6559	2.6557	-0.0002
1215	50	Unbiased	2.776	2.8049	0.0289
1229	50	Unbiased	2.8006	2.8284	0.0278
1297	20	Biased	2.7651	2.752	-0.0131
1331	30	Unbiased	2.7565	2.7594	0.0029
1337	20	Biased	2.767	2.7984	0.0314
1359	30	Biased	2.7319	2.7826	0.0507
1375	30	Unbiased	2.6669	2.6689	0.002
1398	30	Biased	2.6919	2.6884	-0.0035
1401	20	Biased	2.7472	2.7163	-0.0309
1411	50	Biased	2.8137	2.8735	0.0598
1474	50	Biased	2.6284	2.6335	0.0051
1500	20	Unbiased	2.4861	2.4573	-0.0288
1504	50	Biased	2.7603	2.7649	0.0046
1662	30	Biased	2.8564	2.831	-0.0254
1703	30	Biased	2.6073	2.6757	0.0684
1736	30	Biased	2.7953	2.8028	0.0075
1737	0	Correlation	2.6909	2.6908	-0.0001
1748	0	Correlation	2.7603	2.7612	0.0009
1794	20	Biased	2.6931	2.673	-0.0201

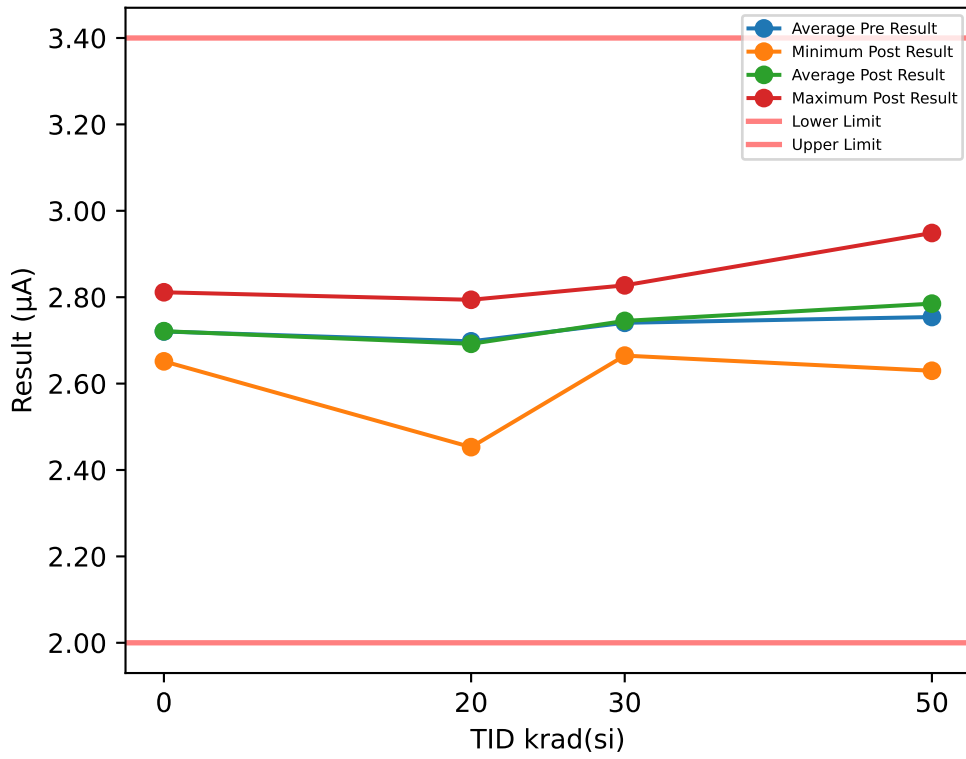
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6559	2.7252	2.8142	0.062371	2.6557	2.7256	2.8157	0.063102	-0.0002	0.00042	0.0015	0.00074632
20	2.4861	2.7021	2.8044	0.10282	2.4573	2.6964	2.7984	0.10609	-0.0326	-0.00569	0.0361	0.025796
30	2.6073	2.7452	2.8564	0.077777	2.6689	2.7495	2.831	0.061028	-0.0301	0.00428	0.0684	0.032203
50	2.6284	2.7585	2.8654	0.072935	2.6335	2.7893	2.9518	0.088123	-0.0005	0.03074	0.0864	0.02863

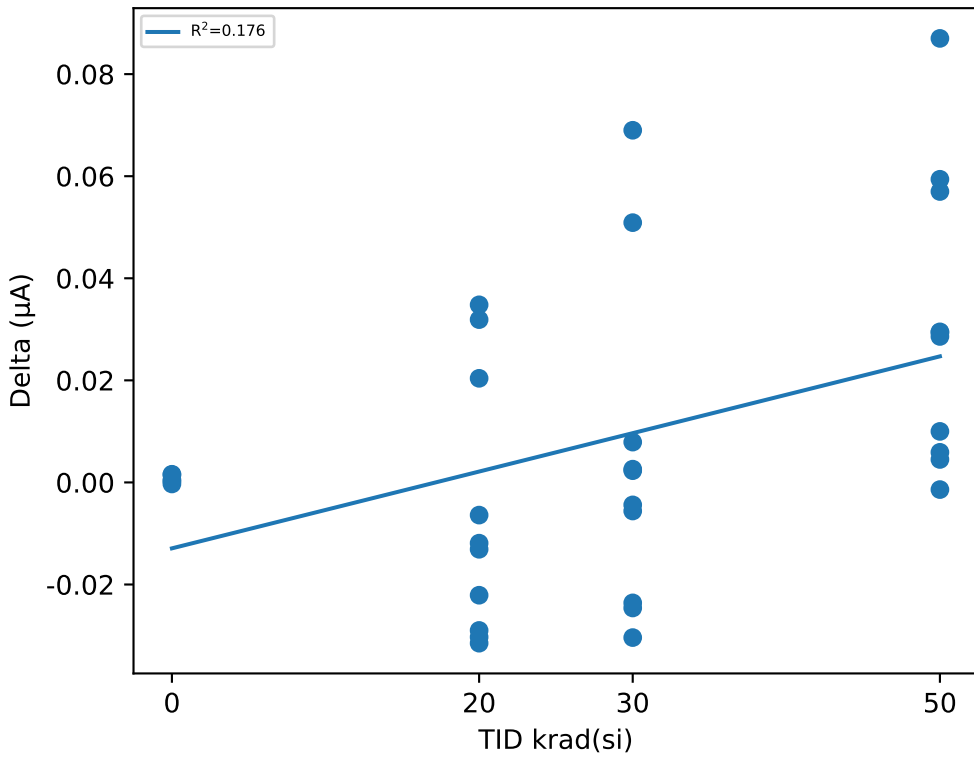
TID vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.6886	2.6822	-0.0064
371	20	Unbiased	2.7302	2.6987	-0.0315
383	20	Unbiased	2.8001	2.7882	-0.0119
390	50	Unbiased	2.7679	2.7973	0.0294
444	30	Unbiased	2.7451	2.7395	-0.0056
509	30	Unbiased	2.846	2.8224	-0.0236
558	0	Correlation	2.8098	2.8114	0.0016
724	20	Biased	2.5523	2.5871	0.0348
744	50	Biased	2.8616	2.9486	0.087
799	50	Biased	2.6396	2.6966	0.057
842	30	Unbiased	2.7407	2.7103	-0.0304
930	50	Unbiased	2.7349	2.7449	0.01
964	20	Unbiased	2.7698	2.7902	0.0204
1056	0	Correlation	2.6999	2.7004	0.0005
1095	50	Unbiased	2.7805	2.7791	-0.0014
1099	0	Correlation	2.6513	2.6515	0.0002
1215	50	Unbiased	2.7715	2.8001	0.0286
1229	50	Unbiased	2.7958	2.8253	0.0295
1297	20	Biased	2.7605	2.7474	-0.0131
1331	30	Unbiased	2.7524	2.7547	0.0023
1337	20	Biased	2.7621	2.794	0.0319
1359	30	Biased	2.7274	2.7783	0.0509
1375	30	Unbiased	2.6622	2.6648	0.0026
1398	30	Biased	2.6875	2.6831	-0.0044
1401	20	Biased	2.7425	2.7122	-0.0303
1411	50	Biased	2.8094	2.8688	0.0594
1474	50	Biased	2.6238	2.6297	0.0059
1500	20	Unbiased	2.4819	2.4529	-0.029
1504	50	Biased	2.756	2.7605	0.0045
1662	30	Biased	2.852	2.8274	-0.0246
1703	30	Biased	2.6029	2.6719	0.069
1736	30	Biased	2.7908	2.7987	0.0079
1737	0	Correlation	2.6862	2.6859	-0.0003
1748	0	Correlation	2.7559	2.7574	0.0015
1794	20	Biased	2.6905	2.6684	-0.0221

TID vs Post - Pre Exposure Delta

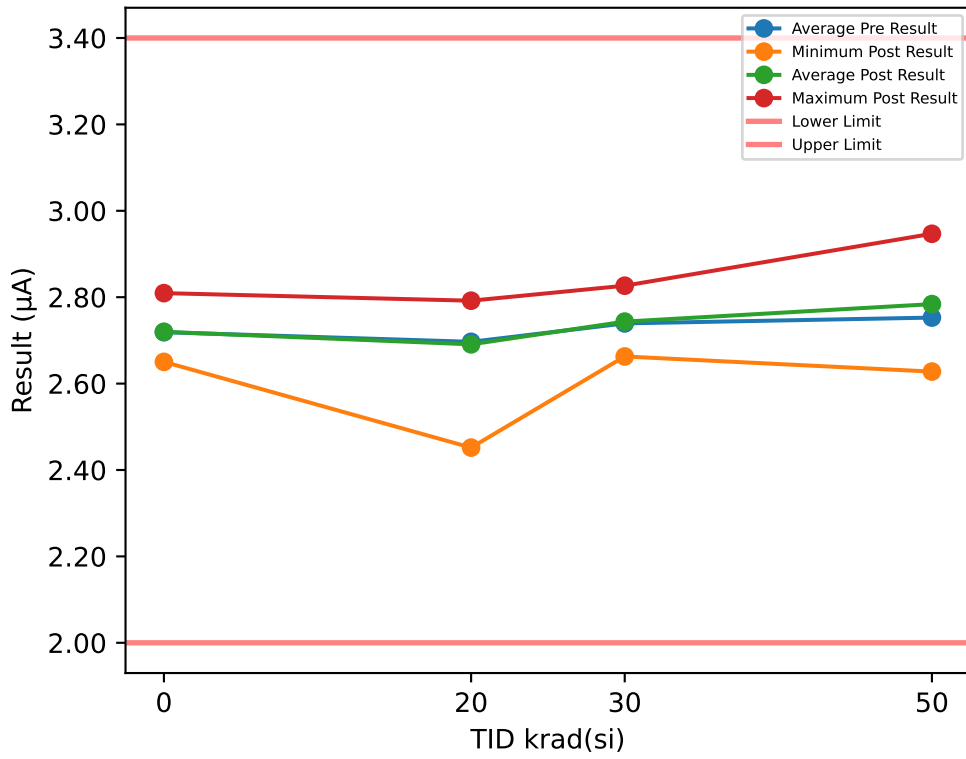


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6513	2.7206	2.8098	0.062484	2.6515	2.7213	2.8114	0.063212	-0.0003	0.0007	0.0016	0.00082765
20	2.4819	2.6978	2.8001	0.10257	2.4529	2.6921	2.794	0.10628	-0.0315	-0.00572	0.0348	0.025629
30	2.6029	2.7407	2.852	0.077675	2.6648	2.7451	2.8274	0.0612	-0.0304	0.00441	0.069	0.032264
50	2.6238	2.7541	2.8616	0.073033	2.6297	2.7851	2.9486	0.088171	-0.0014	0.03099	0.087	0.028775

Device Test: 18.21 CURRENT|SS_0p3V/SS/14/14/0/1000/5/500kHz//@I_SS

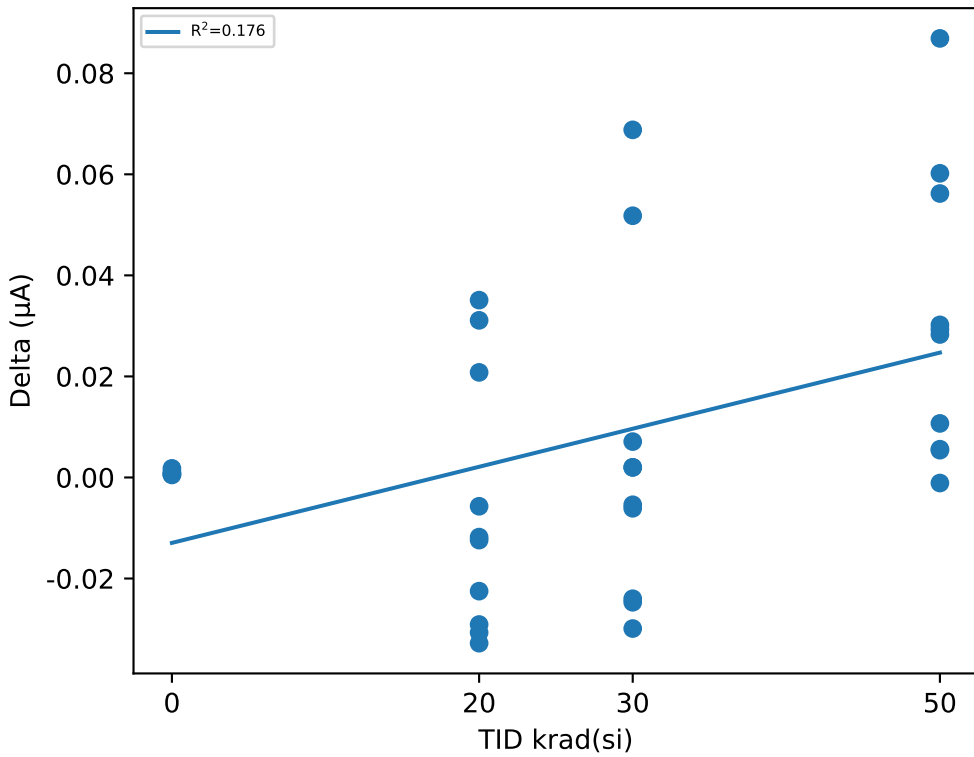
TID vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.6869	2.6812	-0.0057
371	20	Unbiased	2.7301	2.6973	-0.0328
383	20	Unbiased	2.7986	2.7868	-0.0118
390	50	Unbiased	2.7671	2.7964	0.0293
444	30	Unbiased	2.7434	2.7373	-0.0061
509	30	Unbiased	2.845	2.8203	-0.0247
558	0	Correlation	2.8083	2.8094	0.0011
724	20	Biased	2.5511	2.5862	0.0351
744	50	Biased	2.8599	2.9468	0.0869
799	50	Biased	2.6383	2.6945	0.0562
842	30	Unbiased	2.7394	2.7095	-0.0299
930	50	Unbiased	2.7336	2.7443	0.0107
964	20	Unbiased	2.7684	2.7892	0.0208
1056	0	Correlation	2.6983	2.6989	0.0006
1095	50	Unbiased	2.7792	2.7781	-0.0011
1099	0	Correlation	2.6496	2.6503	0.0007
1215	50	Unbiased	2.7709	2.7992	0.0283
1229	50	Unbiased	2.7943	2.8245	0.0302
1297	20	Biased	2.7593	2.7469	-0.0124
1331	30	Unbiased	2.7513	2.7533	0.002
1337	20	Biased	2.7608	2.7919	0.0311
1359	30	Biased	2.7259	2.7777	0.0518
1375	30	Unbiased	2.6608	2.6628	0.002
1398	30	Biased	2.6865	2.6811	-0.0054
1401	20	Biased	2.7412	2.7105	-0.0307
1411	50	Biased	2.8076	2.8678	0.0602
1474	50	Biased	2.6222	2.6278	0.0056
1500	20	Unbiased	2.4809	2.4518	-0.0291
1504	50	Biased	2.7548	2.7602	0.0054
1662	30	Biased	2.8506	2.8266	-0.024
1703	30	Biased	2.6013	2.6701	0.0688
1736	30	Biased	2.789	2.7961	0.0071
1737	0	Correlation	2.6845	2.685	0.0005
1748	0	Correlation	2.7541	2.7559	0.0018
1794	20	Biased	2.6897	2.6672	-0.0225

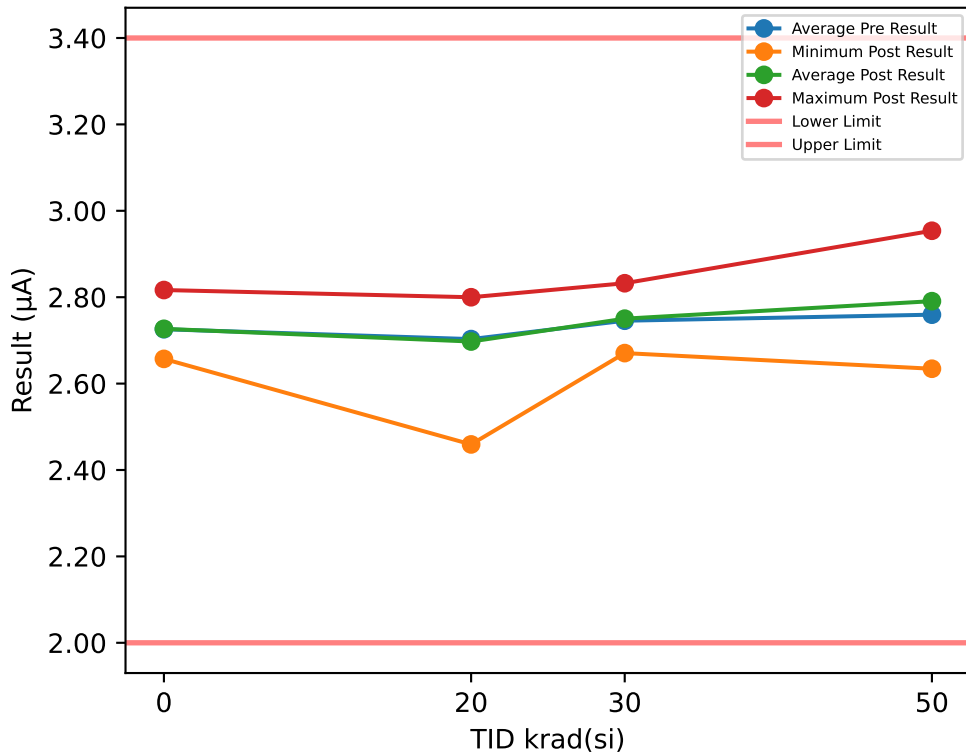
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6496	2.719	2.8083	0.062533	2.6503	2.7199	2.8094	0.062868	0.0005	0.00094	0.0018	0.00053198
20	2.4809	2.6967	2.7986	0.1025	2.4518	2.6909	2.7919	0.10615	-0.0328	-0.0058	0.0351	0.025803
30	2.6013	2.7393	2.8506	0.077721	2.6628	2.7435	2.8266	0.061305	-0.0299	0.00416	0.0688	0.032401
50	2.6222	2.7528	2.8599	0.073002	2.6278	2.784	2.9468	0.088278	-0.0011	0.03117	0.0869	0.028609

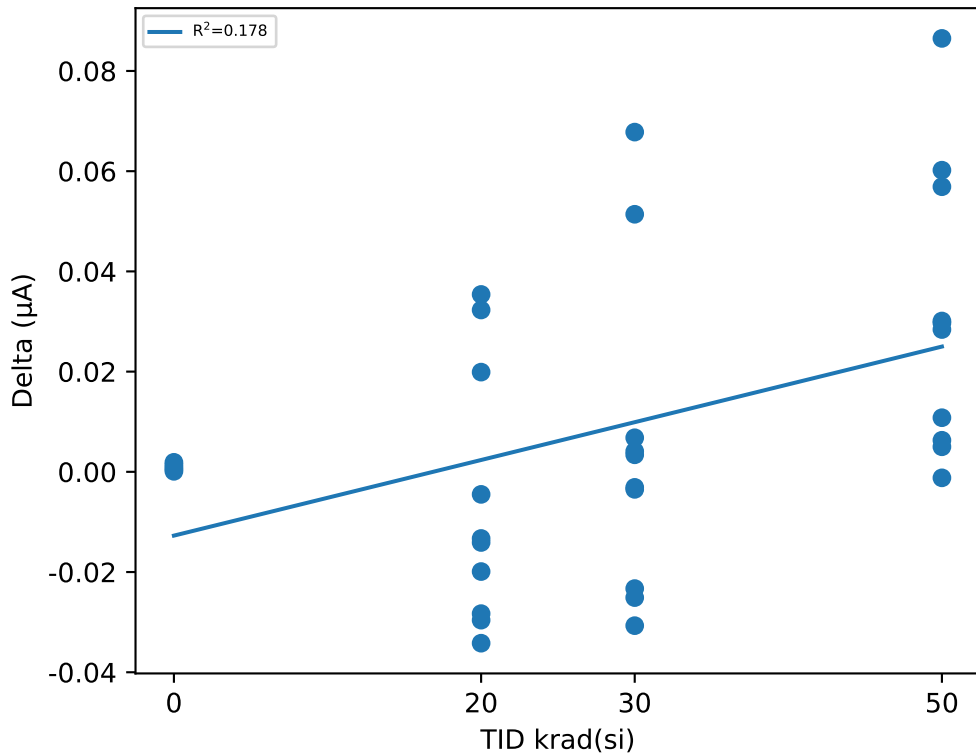
TID vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.6923	2.6878	-0.0045
371	20	Unbiased	2.7371	2.7029	-0.0342
383	20	Unbiased	2.8054	2.7921	-0.0133
390	50	Unbiased	2.7739	2.8023	0.0284
444	30	Unbiased	2.7489	2.7454	-0.0035
509	30	Unbiased	2.8521	2.8288	-0.0233
558	0	Correlation	2.8152	2.8166	0.0014
724	20	Biased	2.5579	2.5933	0.0354
744	50	Biased	2.8673	2.9538	0.0865
799	50	Biased	2.6452	2.7021	0.0569
842	30	Unbiased	2.7457	2.715	-0.0307
930	50	Unbiased	2.7404	2.7512	0.0108
964	20	Unbiased	2.7756	2.7955	0.0199
1056	0	Correlation	2.7039	2.7058	0.0019
1095	50	Unbiased	2.7867	2.7855	-0.0012
1099	0	Correlation	2.6571	2.6572	0.0001
1215	50	Unbiased	2.7763	2.8064	0.0301
1229	50	Unbiased	2.8015	2.8312	0.0297
1297	20	Biased	2.7662	2.7521	-0.0141
1331	30	Unbiased	2.7564	2.7598	0.0034
1337	20	Biased	2.7676	2.7999	0.0323
1359	30	Biased	2.7315	2.7829	0.0514
1375	30	Unbiased	2.6665	2.6706	0.0041
1398	30	Biased	2.6921	2.689	-0.0031
1401	20	Biased	2.7471	2.7175	-0.0296
1411	50	Biased	2.8144	2.8746	0.0602
1474	50	Biased	2.6294	2.6344	0.005
1500	20	Unbiased	2.4875	2.4592	-0.0283
1504	50	Biased	2.7601	2.7664	0.0063
1662	30	Biased	2.8574	2.8323	-0.0251
1703	30	Biased	2.6082	2.676	0.0678
1736	30	Biased	2.7965	2.8033	0.0068
1737	0	Correlation	2.6916	2.6921	0.0005
1748	0	Correlation	2.7613	2.7622	0.0009
1794	20	Biased	2.6935	2.6736	-0.0199

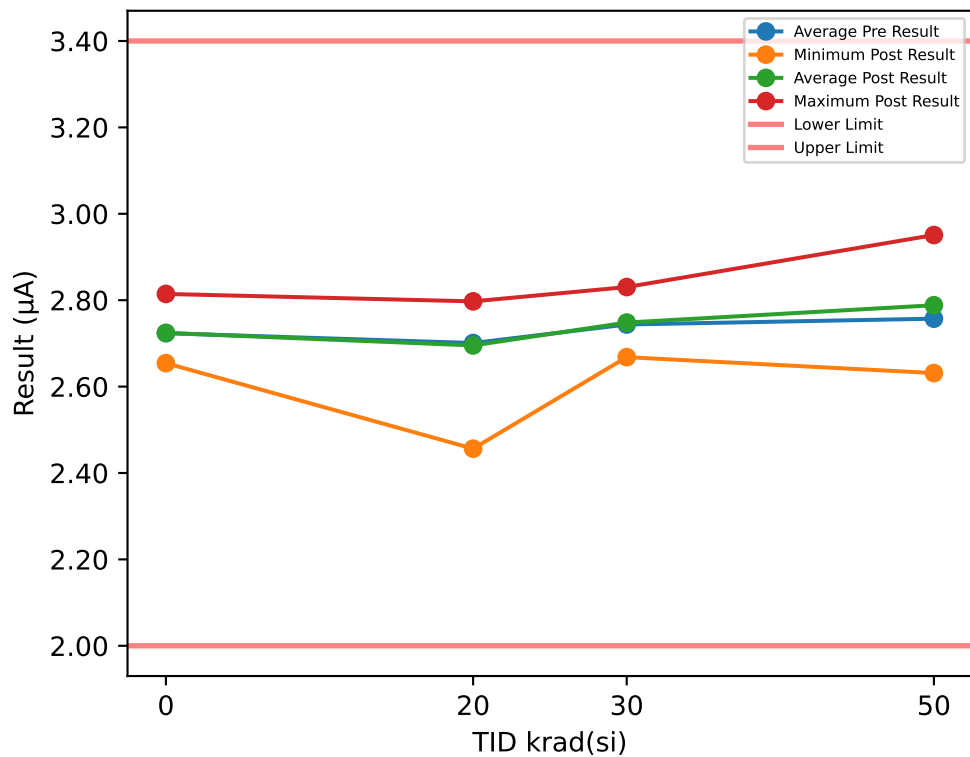
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6571	2.7258	2.8152	0.062493	2.6572	2.7268	2.8166	0.062862	0.0001	0.00096	0.0019	0.00071274
20	2.4875	2.703	2.8054	0.10259	2.4592	2.6974	2.7999	0.10581	-0.0342	-0.00563	0.0354	0.02585
30	2.6082	2.7455	2.8574	0.078	2.6706	2.7503	2.8323	0.061236	-0.0307	0.00478	0.0678	0.032011
50	2.6294	2.7595	2.8673	0.073017	2.6344	2.7908	2.9538	0.088267	-0.0012	0.03127	0.0865	0.028564

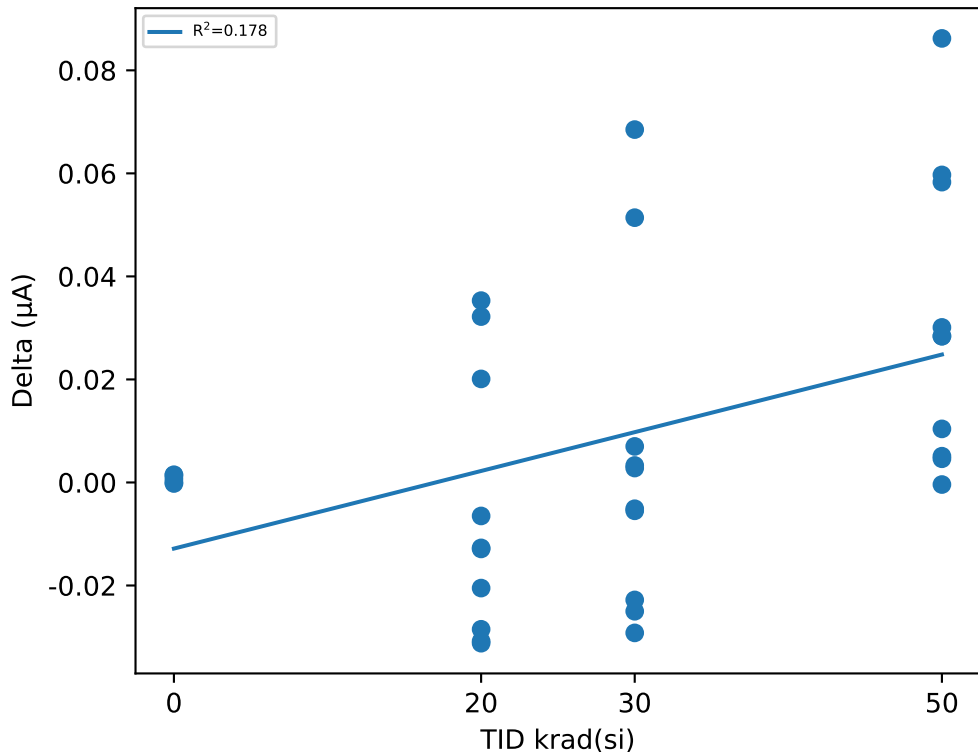
TID vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.691	2.6845	-0.0065
371	20	Unbiased	2.7339	2.7027	-0.0312
383	20	Unbiased	2.8033	2.7906	-0.0127
390	50	Unbiased	2.7713	2.7997	0.0284
444	30	Unbiased	2.7482	2.7427	-0.0055
509	30	Unbiased	2.849	2.8262	-0.0228
558	0	Correlation	2.8131	2.8145	0.0014
724	20	Biased	2.5553	2.5906	0.0353
744	50	Biased	2.8646	2.9508	0.0862
799	50	Biased	2.6426	2.7009	0.0583
842	30	Unbiased	2.7437	2.7145	-0.0292
930	50	Unbiased	2.738	2.7484	0.0104
964	20	Unbiased	2.7728	2.7929	0.0201
1056	0	Correlation	2.7028	2.7035	0.0007
1095	50	Unbiased	2.7843	2.7839	-0.0004
1099	0	Correlation	2.6545	2.6543	-0.0002
1215	50	Unbiased	2.7749	2.8033	0.0284
1229	50	Unbiased	2.799	2.8291	0.0301
1297	20	Biased	2.7637	2.7508	-0.0129
1331	30	Unbiased	2.7556	2.7584	0.0028
1337	20	Biased	2.7651	2.7973	0.0322
1359	30	Biased	2.7303	2.7817	0.0514
1375	30	Unbiased	2.6649	2.6682	0.0033
1398	30	Biased	2.6905	2.6854	-0.0051
1401	20	Biased	2.746	2.7152	-0.0308
1411	50	Biased	2.8124	2.8721	0.0597
1474	50	Biased	2.6267	2.6313	0.0046
1500	20	Unbiased	2.4848	2.4563	-0.0285
1504	50	Biased	2.7587	2.7638	0.0051
1662	30	Biased	2.8554	2.8304	-0.025
1703	30	Biased	2.6057	2.6742	0.0685
1736	30	Biased	2.7939	2.8009	0.007
1737	0	Correlation	2.6891	2.6891	0
1748	0	Correlation	2.7587	2.7602	0.0015
1794	20	Biased	2.6925	2.672	-0.0205

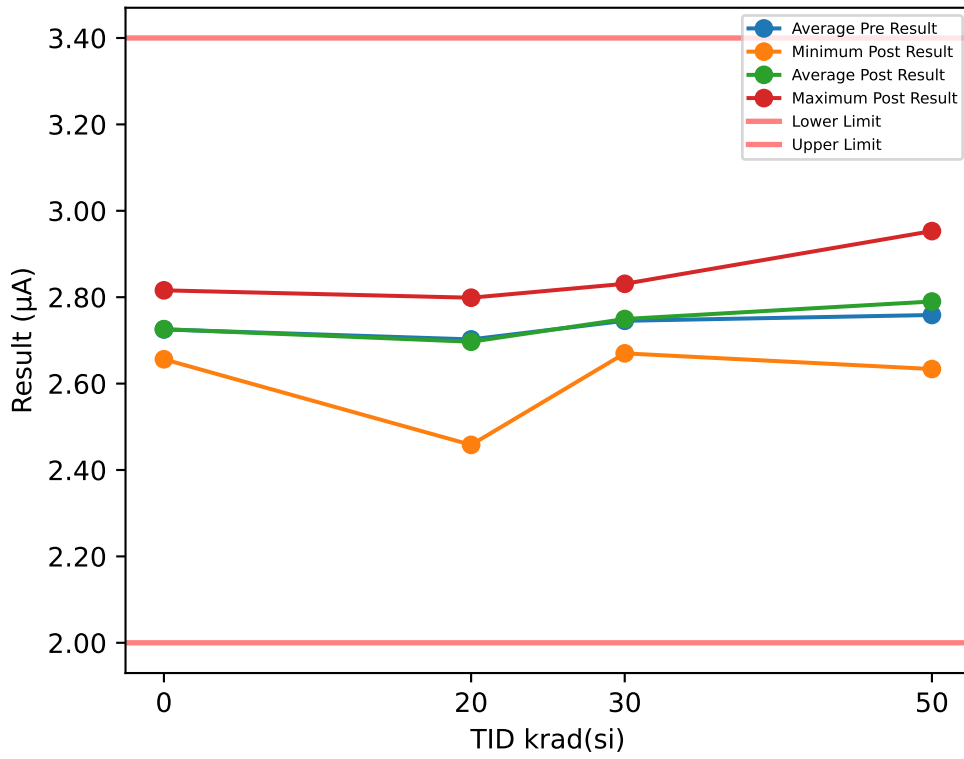
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6545	2.7236	2.8131	0.06253	2.6543	2.7243	2.8145	0.063239	-0.0002	0.00068	0.0015	0.0007791
20	2.4848	2.7008	2.8033	0.10269	2.4563	2.6953	2.7973	0.10608	-0.0312	-0.00555	0.0353	0.025611
30	2.6057	2.7437	2.8554	0.077825	2.6682	2.7483	2.8304	0.06131	-0.0292	0.00454	0.0685	0.032058
50	2.6267	2.7572	2.8646	0.073113	2.6313	2.7883	2.9508	0.088159	-0.0004	0.03108	0.0862	0.028691

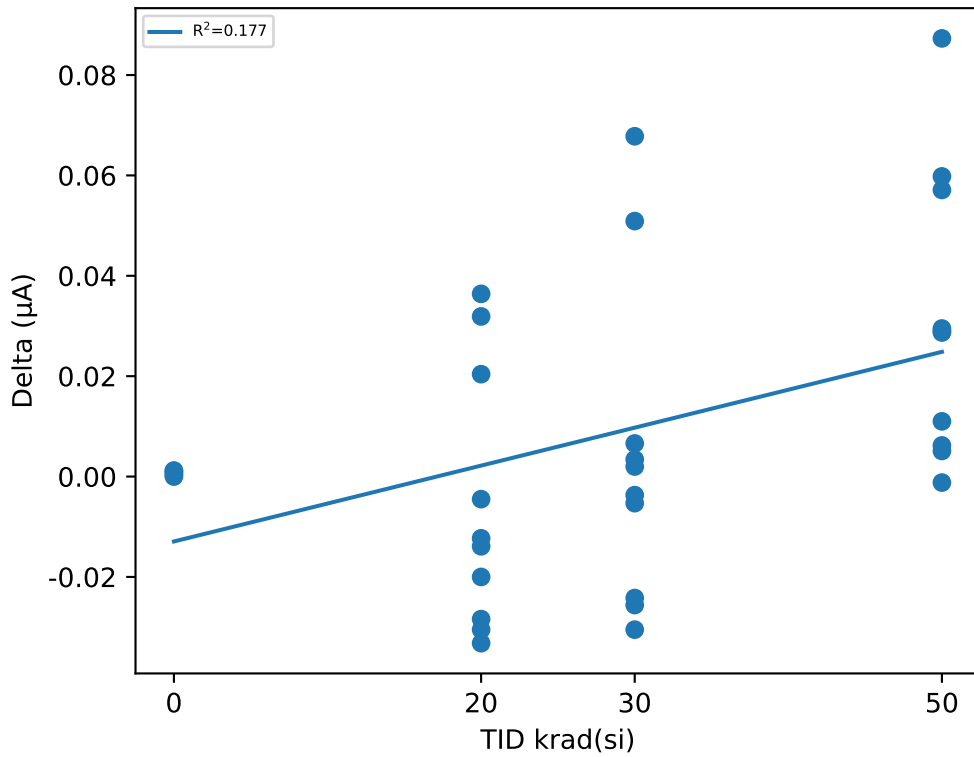
TID vs Result Stats



Test Results (Lower Limit = 2.0, Upper Limit = 3.4 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.6918	2.6873	-0.0045
371	20	Unbiased	2.7353	2.7021	-0.0332
383	20	Unbiased	2.8047	2.7924	-0.0123
390	50	Unbiased	2.7732	2.8019	0.0287
444	30	Unbiased	2.7497	2.7444	-0.0053
509	30	Unbiased	2.8512	2.827	-0.0242
558	0	Correlation	2.8148	2.8159	0.0011
724	20	Biased	2.5568	2.5932	0.0364
744	50	Biased	2.8657	2.953	0.0873
799	50	Biased	2.6445	2.7016	0.0571
842	30	Unbiased	2.7453	2.7148	-0.0305
930	50	Unbiased	2.7399	2.7509	0.011
964	20	Unbiased	2.7747	2.7951	0.0204
1056	0	Correlation	2.7045	2.7052	0.0007
1095	50	Unbiased	2.7854	2.7842	-0.0012
1099	0	Correlation	2.6563	2.6563	0
1215	50	Unbiased	2.7763	2.8053	0.029
1229	50	Unbiased	2.8006	2.8301	0.0295
1297	20	Biased	2.7658	2.7519	-0.0139
1331	30	Unbiased	2.7571	2.7591	0.002
1337	20	Biased	2.7669	2.7988	0.0319
1359	30	Biased	2.7318	2.7827	0.0509
1375	30	Unbiased	2.6666	2.67	0.0034
1398	30	Biased	2.6918	2.6881	-0.0037
1401	20	Biased	2.7472	2.7167	-0.0305
1411	50	Biased	2.8139	2.8737	0.0598
1474	50	Biased	2.6286	2.6337	0.0051
1500	20	Unbiased	2.4865	2.4581	-0.0284
1504	50	Biased	2.7599	2.7661	0.0062
1662	30	Biased	2.8566	2.831	-0.0256
1703	30	Biased	2.6077	2.6755	0.0678
1736	30	Biased	2.7959	2.8025	0.0066
1737	0	Correlation	2.6908	2.6911	0.0003
1748	0	Correlation	2.7604	2.7616	0.0012
1794	20	Biased	2.6933	2.6733	-0.02

TID vs Post - Pre Exposure Delta

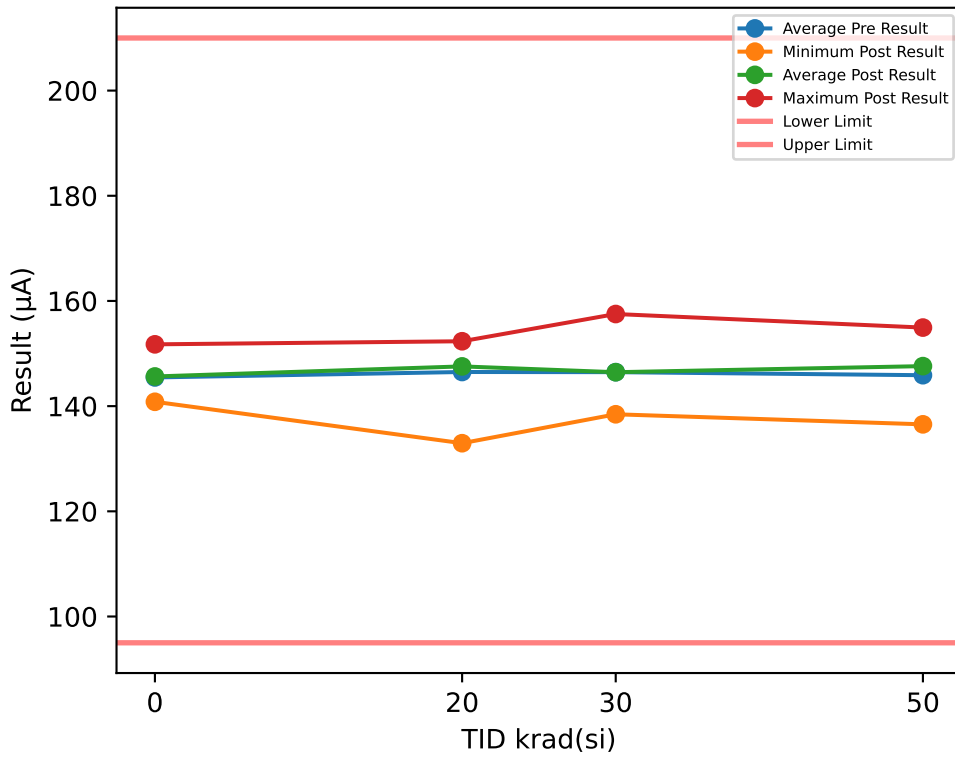


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.6563	2.7254	2.8148	0.062502	2.6563	2.726	2.8159	0.062964	0	0.00066	0.0012	0.00051284
20	2.4865	2.7023	2.8047	0.10272	2.4581	2.6969	2.7988	0.10595	-0.0332	-0.00541	0.0364	0.02597
30	2.6077	2.7454	2.8566	0.077813	2.67	2.7495	2.831	0.060963	-0.0305	0.00414	0.0678	0.032125
50	2.6286	2.7588	2.8657	0.072883	2.6337	2.79	2.953	0.088152	-0.0012	0.03125	0.0873	0.028701

Device Test: 19.10 CURRENT|EA_SOURCE//12/12/0/0/5/500kHz//@EA_I_SOURCE

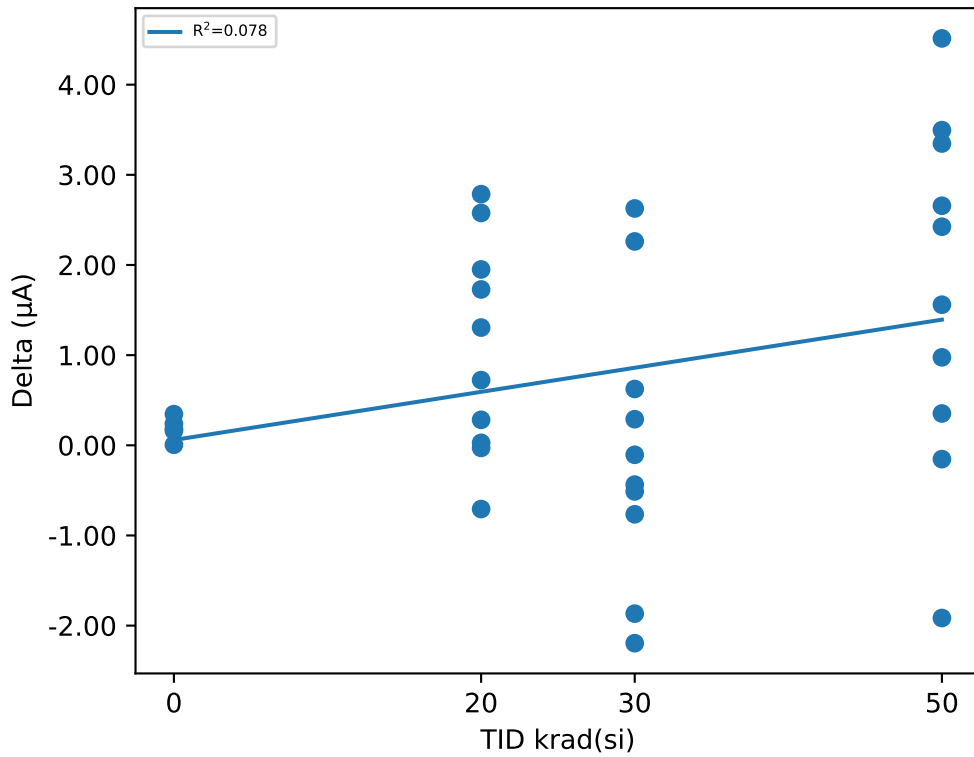
TID vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	147.86	147.16	-0.7069
371	20	Unbiased	150.39	152.34	1.9507
383	20	Unbiased	147.33	148.05	0.7233
390	50	Unbiased	148.41	148.26	-0.1534
444	30	Unbiased	138.16	138.45	0.2895
509	30	Unbiased	157.62	157.52	-0.1051
558	0	Correlation	151.74	151.75	0.0061
724	20	Biased	146.78	149.57	2.7859
744	50	Biased	145.68	149.17	3.4957
799	50	Biased	142.35	145.01	2.6572
842	30	Unbiased	143.92	144.54	0.6247
930	50	Unbiased	152.15	153.71	1.5594
964	20	Unbiased	149.45	152.03	2.5771
1056	0	Correlation	145.03	145.37	0.3456
1095	50	Unbiased	146.12	146.47	0.3529
1099	0	Correlation	140.59	140.83	0.2393
1215	50	Unbiased	149.31	152.66	3.3473
1229	50	Unbiased	150.43	154.94	4.5133
1297	20	Biased	146.72	148.02	1.3059
1331	30	Unbiased	139.61	139.1	-0.5116
1337	20	Biased	146.06	147.78	1.7285
1359	30	Biased	143.45	145.71	2.2614
1375	30	Unbiased	144.49	143.73	-0.7654
1398	30	Biased	143.58	141.38	-2.195
1401	20	Biased	151.01	150.98	-0.029
1411	50	Biased	137.6	140.03	2.4246
1474	50	Biased	135.56	136.54	0.9757
1500	20	Unbiased	132.92	132.95	0.0272
1504	50	Biased	151.2	149.29	-1.9157
1662	30	Biased	156.08	155.64	-0.4361
1703	30	Biased	148.76	151.39	2.6272
1736	30	Biased	148.92	147.05	-1.867
1737	0	Correlation	141.88	142.06	0.1841
1748	0	Correlation	148.04	148.2	0.1609
1794	20	Biased	146.4	146.69	0.2828

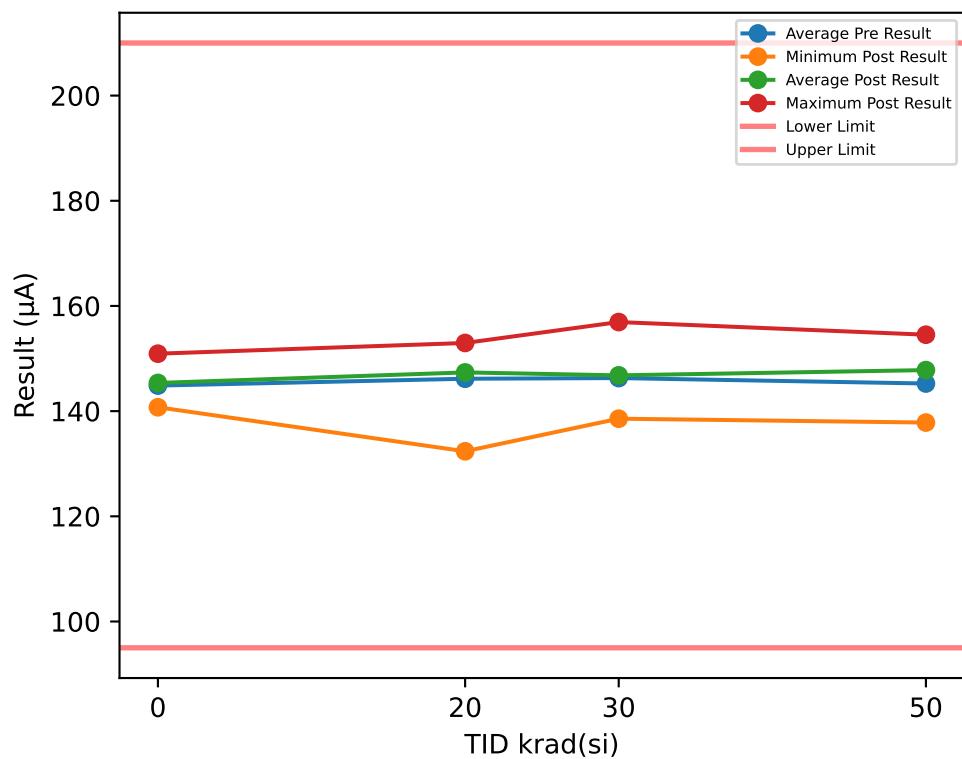
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	140.59	145.46	151.74	4.5521	140.83	145.64	151.75	4.4697	0.0061	0.1872	0.3456	0.1238
20	132.92	146.49	151.01	5.0702	132.95	147.56	152.34	5.5114	-0.7069	1.0645	2.7859	1.1866
30	138.16	146.46	157.62	6.4282	138.45	146.45	157.52	6.5574	-2.195	-0.00774	2.6272	1.5579
50	135.56	145.88	152.15	5.716	136.54	147.61	154.94	5.8715	-1.9157	1.7257	4.5133	1.9481

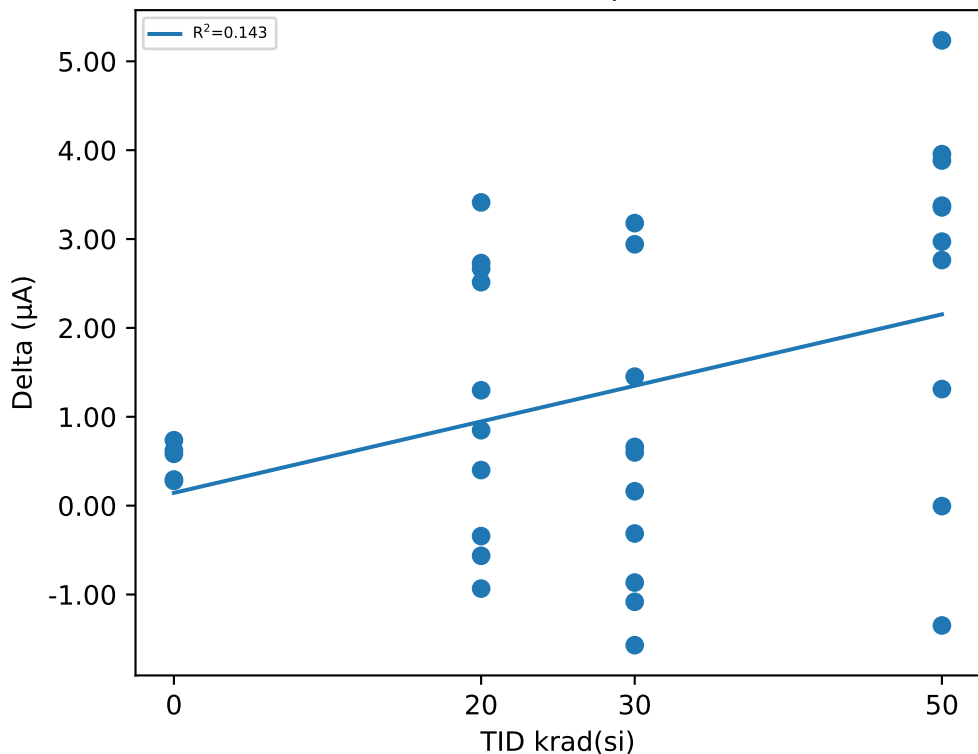
TID vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	146.88	146.54	-0.3429
371	20	Unbiased	150.23	152.96	2.7294
383	20	Unbiased	145.85	146.25	0.4
390	50	Unbiased	147.89	147.88	-0.005
444	30	Unbiased	137.97	138.57	0.5985
509	30	Unbiased	156.78	156.94	0.1618
558	0	Correlation	150.34	150.92	0.5831
724	20	Biased	146.06	149.48	3.4125
744	50	Biased	145.5	149.38	3.8837
799	50	Biased	142.2	145.17	2.9709
842	30	Unbiased	143.21	144.66	1.4515
930	50	Unbiased	150	153.37	3.3761
964	20	Unbiased	147.76	150.43	2.666
1056	0	Correlation	144.64	144.92	0.2793
1095	50	Unbiased	146.79	148.1	1.3116
1099	0	Correlation	140	140.74	0.7361
1215	50	Unbiased	148.46	151.81	3.3565
1229	50	Unbiased	149.3	154.53	5.2354
1297	20	Biased	146.48	147.77	1.298
1331	30	Unbiased	139.73	140.39	0.6608
1337	20	Biased	146.85	149.37	2.5143
1359	30	Biased	143.73	146.91	3.1793
1375	30	Unbiased	144.68	143.81	-0.8658
1398	30	Biased	143.26	141.69	-1.5705
1401	20	Biased	152.3	151.37	-0.9335
1411	50	Biased	138.71	142.67	3.9555
1474	50	Biased	135.07	137.83	2.7636
1500	20	Unbiased	132.93	132.36	-0.5644
1504	50	Biased	148.61	147.27	-1.3485
1662	30	Biased	156.56	156.24	-0.3134
1703	30	Biased	148.17	151.11	2.9408
1736	30	Biased	148.8	147.71	-1.0818
1737	0	Correlation	141.6	141.89	0.2938
1748	0	Correlation	147.7	148.32	0.6235
1794	20	Biased	146.25	147.1	0.8484

TID vs Post - Pre Exposure Delta

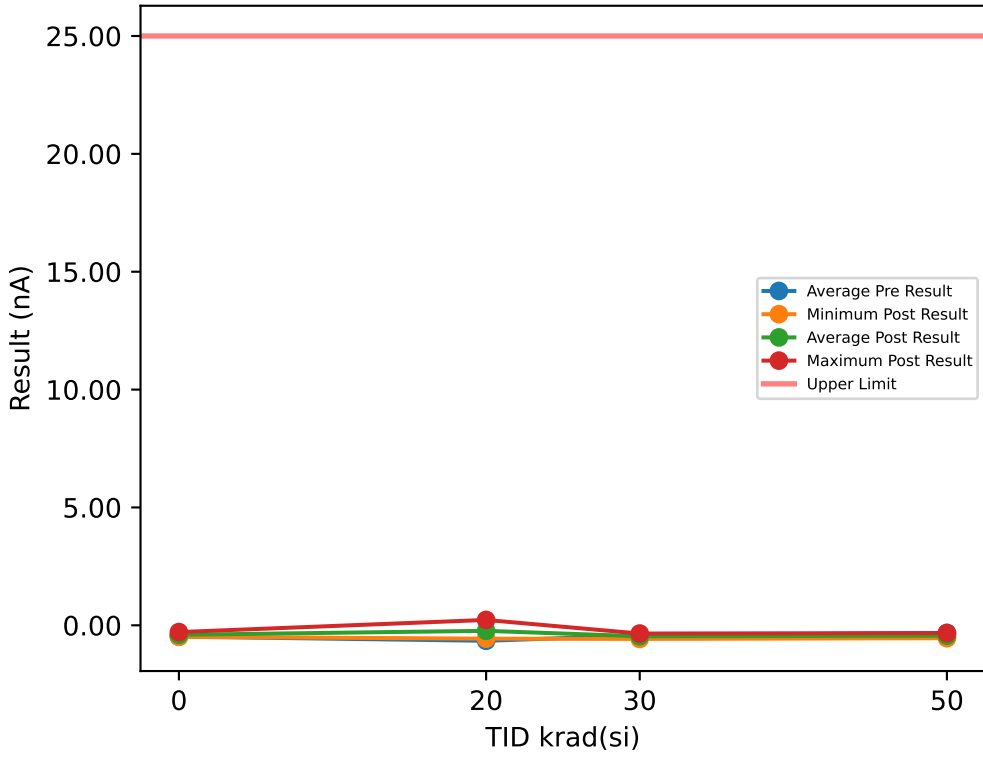


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	140	144.86	150.34	4.2541	140.74	145.36	150.92	4.2813	0.2793	0.50316	0.7361	0.2056
20	132.93	146.16	152.3	5.0894	132.36	147.36	152.96	5.6995	-0.9335	1.2028	3.4125	1.561
30	137.97	146.29	156.78	6.3713	138.57	146.8	156.94	6.3238	-1.5705	0.51612	3.1793	1.6161
50	135.07	145.25	150	5.0075	137.83	147.8	154.53	5.034	-1.3485	2.55	5.2354	1.9939

Device Test: 19.12 CURRENT|EA//12/12/0/0/5/500kHz//@EA_IB

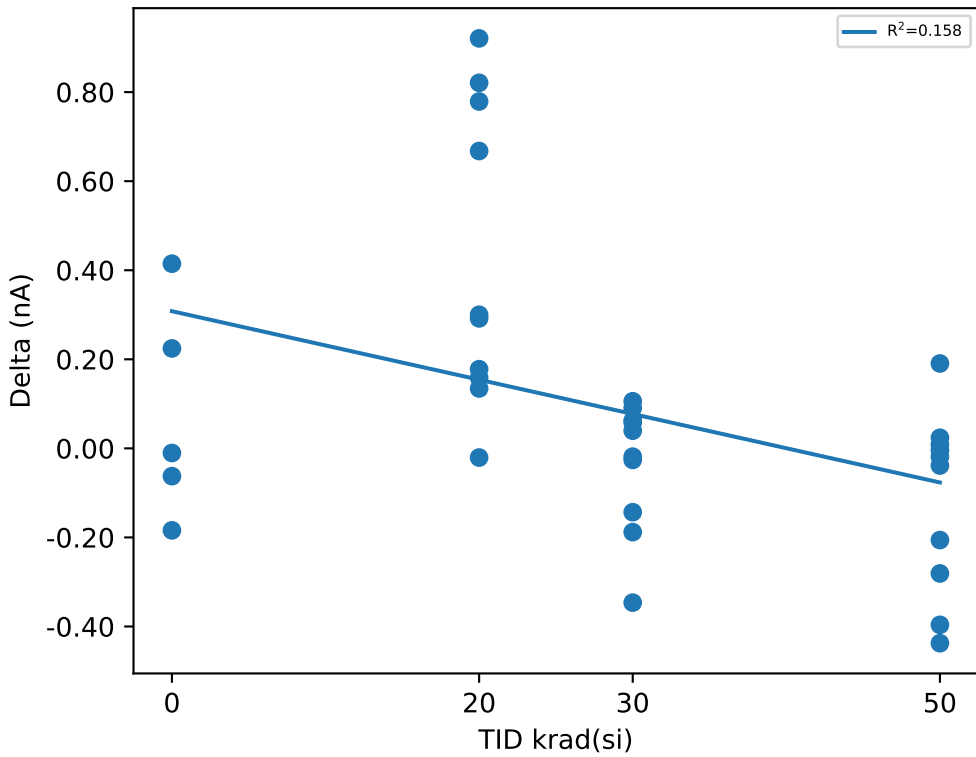
TID vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.9208	-0.0999	0.8209
371	20	Unbiased	-0.687	-0.387	0.3
383	20	Unbiased	-0.5933	-0.4588	0.1345
390	50	Unbiased	-0.1092	-0.5055	-0.3963
444	30	Unbiased	-0.3309	-0.4743	-0.1434
509	30	Unbiased	-0.3892	-0.5773	-0.1881
558	0	Correlation	-0.5118	-0.2874	0.2244
724	20	Biased	-0.5355	-0.2436	0.2919
744	50	Biased	-0.1092	-0.5467	-0.4375
799	50	Biased	-0.4203	-0.4588	-0.0385
842	30	Unbiased	-0.1654	-0.5118	-0.3464
930	50	Unbiased	-0.1061	-0.387	-0.2809
964	20	Unbiased	-0.5461	-0.5667	-0.0206
1056	0	Correlation	-0.8427	-0.428	0.4147
1095	50	Unbiased	-0.3518	-0.328	0.0238
1099	0	Correlation	-0.2403	-0.4244	-0.1841
1215	50	Unbiased	-0.6087	-0.4181	0.1906
1229	50	Unbiased	-0.383	-0.3745	0.0085
1297	20	Biased	-0.8238	-0.1561	0.6677
1331	30	Unbiased	-0.5244	-0.4619	0.0625
1337	20	Biased	-0.8488	0.0718	0.9206
1359	30	Biased	-0.6243	-0.5336	0.0907
1375	30	Unbiased	-0.4682	-0.4868	-0.0186
1398	30	Biased	-0.4557	-0.3499	0.1058
1401	20	Biased	-0.5275	-0.3497	0.1778
1411	50	Biased	-0.2465	-0.4524	-0.2059
1474	50	Biased	-0.411	-0.415	-0.004
1500	20	Unbiased	-0.5511	0.2278	0.7789
1504	50	Biased	-0.4963	-0.5149	-0.0186
1662	30	Biased	-0.4328	-0.4587	-0.0259
1703	30	Biased	-0.5075	-0.4494	0.0581
1736	30	Biased	-0.3892	-0.3495	0.0397
1737	0	Correlation	-0.4764	-0.4868	-0.0104
1748	0	Correlation	-0.3245	-0.3869	-0.0624
1794	20	Biased	-0.5386	-0.3799	0.1587

TID vs Post - Pre Exposure Delta

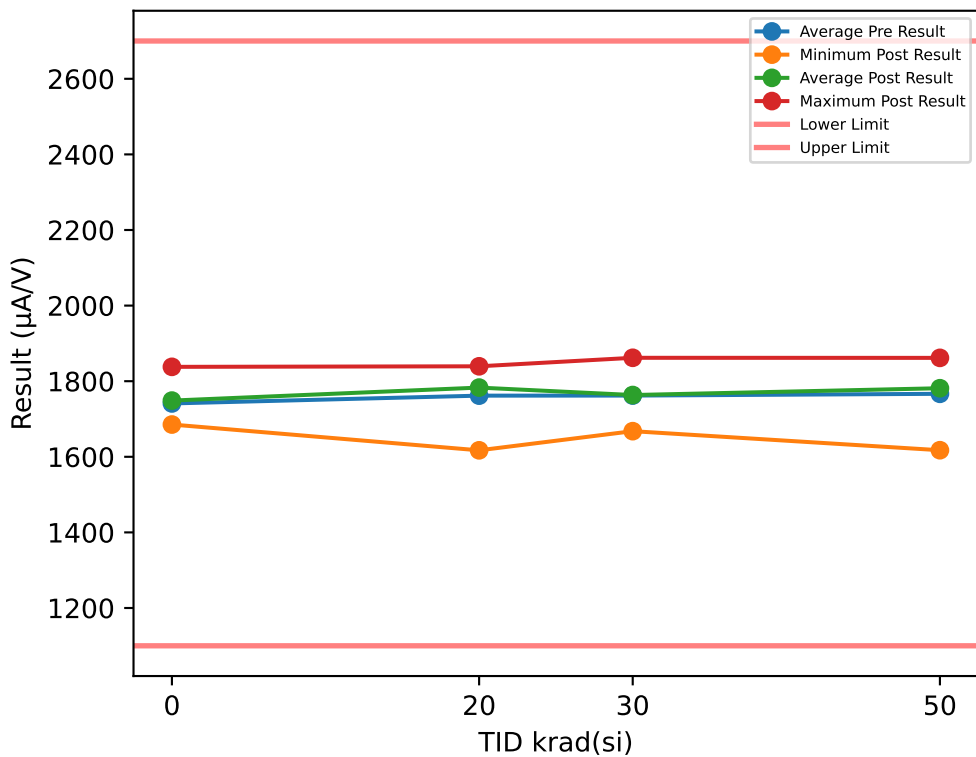


Test Statistics (nA)

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	-0.8427	-0.47914	-0.2403	0.23141	-0.4868	-0.4027	-0.2874	0.073701	-0.1841	0.07644	0.4147	0.24032
20	-0.9208	-0.65725	-0.5275	0.1521	-0.5667	-0.23421	0.2278	0.24726	-0.0206	0.42304	0.9206	0.33908
30	-0.6243	-0.42876	-0.1654	0.1238	-0.5773	-0.46532	-0.3495	0.072226	-0.3464	-0.03656	0.1058	0.14601
50	-0.6087	-0.32421	-0.1061	0.17563	-0.5467	-0.44009	-0.328	0.068751	-0.4375	-0.11588	0.1906	0.20393

Device Test: 19.13 LEVEL|TRANSCONDUCTANCE//14/14/0/0/5/500kHz//@EA_GM

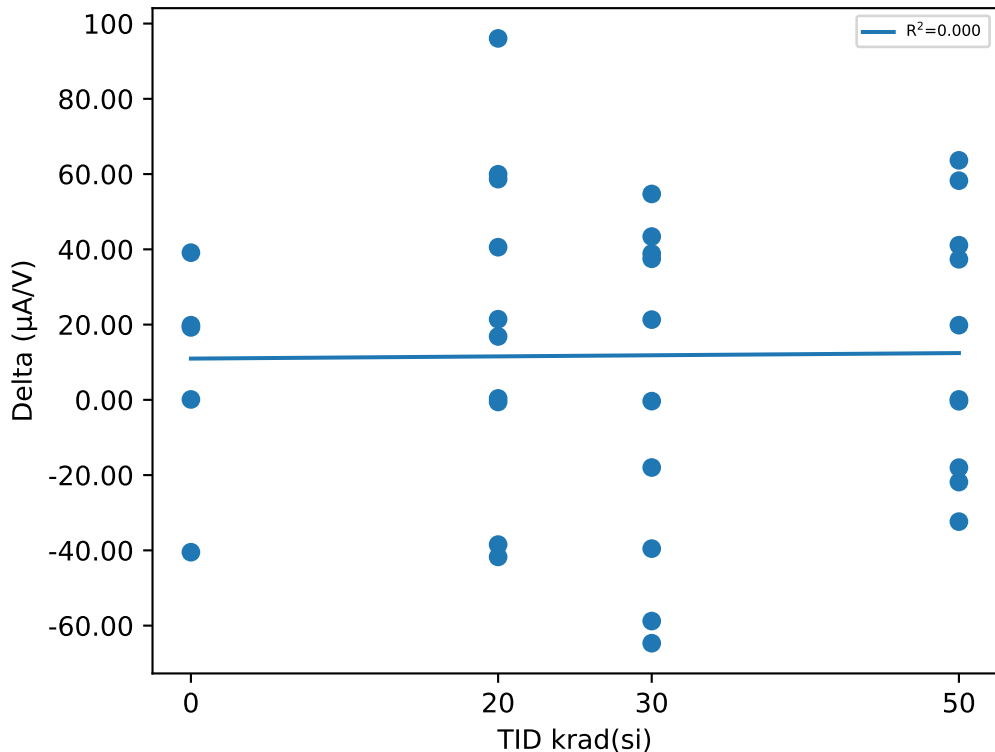
TID vs Result Stats



Test Results (Lower Limit = 1100.0, Upper Limit = 2700.0 (µA/V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1779.4	1778.9	-0.566
371	20	Unbiased	1819.5	1819.9	0.3849
383	20	Unbiased	1703.4	1799.4	96.059
390	50	Unbiased	1759.3	1779.2	19.842
444	30	Unbiased	1685.8	1685.4	-0.3387
509	30	Unbiased	1905.1	1840.4	-64.67
558	0	Correlation	1798.8	1838	39.118
724	20	Biased	1798.1	1819.5	21.431
744	50	Biased	1759.3	1796.7	37.351
799	50	Biased	1720.7	1779	58.249
842	30	Unbiased	1740.2	1779.1	38.862
930	50	Unbiased	1840.2	1840.3	0.111
964	20	Unbiased	1798.8	1839.4	40.568
1056	0	Correlation	1759.9	1719.4	-40.49
1095	50	Unbiased	1818.5	1796.7	-21.85
1099	0	Correlation	1685.2	1685.3	0.11
1215	50	Unbiased	1799.4	1840.5	41.099
1229	50	Unbiased	1798.1	1861.7	63.649
1297	20	Biased	1778.9	1740.4	-38.465
1331	30	Unbiased	1685.8	1667.8	-17.981
1337	20	Biased	1740.2	1798.8	58.652
1359	30	Biased	1685.8	1740.5	54.721
1375	30	Unbiased	1722	1759.5	37.492
1398	30	Biased	1759.9	1701.1	-58.786
1401	20	Biased	1840.8	1799	-41.738
1411	50	Biased	1721.5	1703.5	-18.021
1474	50	Biased	1649.8	1617.4	-32.358
1500	20	Unbiased	1600.3	1617.1	16.852
1504	50	Biased	1799.4	1799	-0.3763
1662	30	Biased	1818.5	1861.9	43.4
1703	30	Biased	1798.1	1819.4	21.322
1736	30	Biased	1818.5	1779	-39.539
1737	0	Correlation	1702.4	1721.7	19.252
1748	0	Correlation	1759.3	1779.2	19.842
1794	20	Biased	1758.6	1818.5	59.957

TID vs Post - Pre Exposure Delta

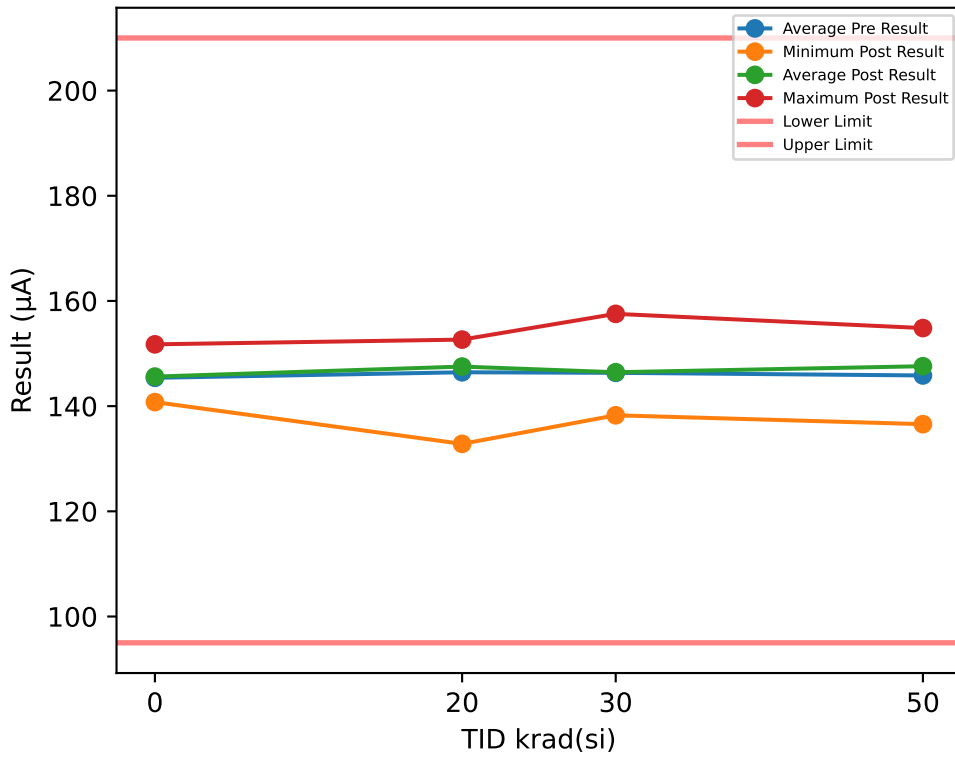


Test Statistics (µA/V)

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	1685.2	1741.1	1798.8	46.464	1685.3	1748.7	1838	60.207	-40.49	7.5662	39.118	30.198
20	1600.3	1761.8	1840.8	68.988	1617.1	1783.1	1839.4	64.338	-41.738	21.313	96.059	43.882
30	1685.8	1762	1905.1	72.781	1667.8	1763.4	1861.9	65.746	-64.67	1.4483	54.721	44.413
50	1649.8	1766.6	1840.2	56.914	1617.4	1781.4	1861.7	72.397	-32.358	14.77	63.649	34.303

Device Test: 19.14 CURRENT|EA_SOURCE//14/14/0/0/5/500kHz//@EA_I_SOURCE

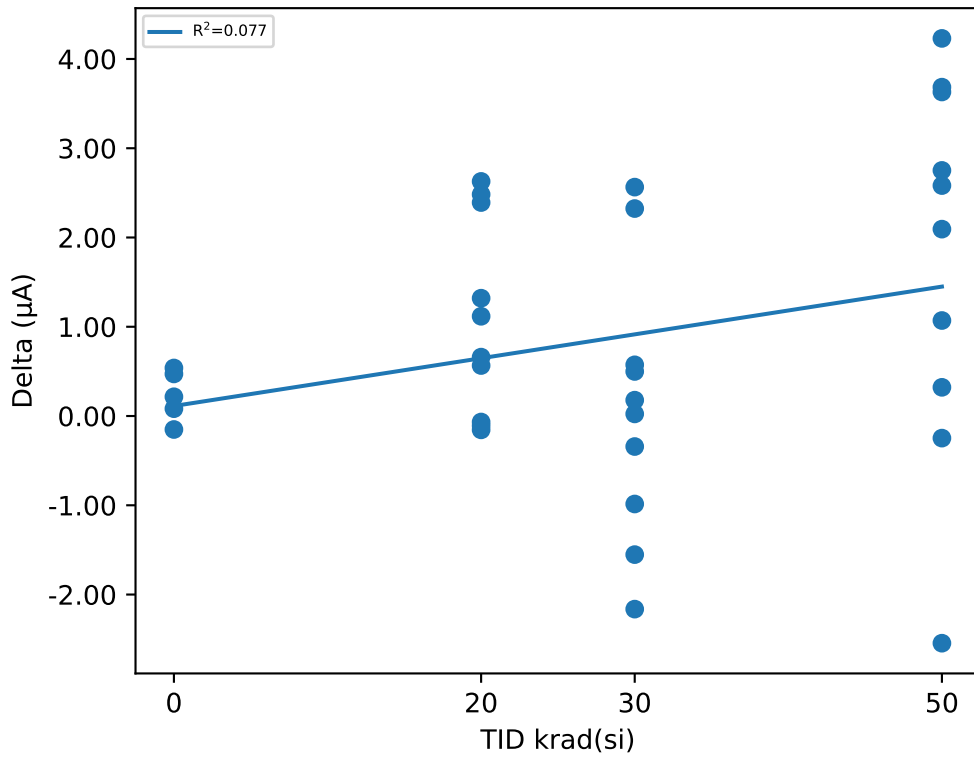
TID vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	147.42	147.31	-0.1088
371	20	Unbiased	150.26	152.65	2.3917
383	20	Unbiased	147.2	147.77	0.5658
390	50	Unbiased	148.44	148.2	-0.2476
444	30	Unbiased	137.69	138.26	0.5736
509	30	Unbiased	157.37	157.55	0.1776
558	0	Correlation	151.9	151.75	-0.151
724	20	Biased	146.72	149.35	2.6283
744	50	Biased	145.49	149.17	3.6843
799	50	Biased	142.22	144.98	2.7515
842	30	Unbiased	143.95	144.45	0.4991
930	50	Unbiased	151.65	153.74	2.0936
964	20	Unbiased	149.64	152.12	2.4827
1056	0	Correlation	144.93	145.41	0.4715
1095	50	Unbiased	146.09	146.41	0.3215
1099	0	Correlation	140.68	140.76	0.0822
1215	50	Unbiased	149.25	152.88	3.6302
1229	50	Unbiased	150.61	154.84	4.2305
1297	20	Biased	146.9	148.02	1.1174
1331	30	Unbiased	139.17	139.19	0.0236
1337	20	Biased	146.18	147.5	1.32
1359	30	Biased	143.45	145.78	2.3243
1375	30	Unbiased	144.62	143.63	-0.9856
1398	30	Biased	143.52	141.35	-2.1634
1401	20	Biased	150.95	150.8	-0.155
1411	50	Biased	137.44	140.03	2.5818
1474	50	Biased	135.5	136.57	1.07
1500	20	Unbiased	132.89	132.83	-0.0671
1504	50	Biased	151.64	149.1	-2.5451
1662	30	Biased	156.05	155.71	-0.3418
1703	30	Biased	148.7	151.26	2.5644
1736	30	Biased	148.82	147.27	-1.5527
1737	0	Correlation	141.75	141.97	0.2156
1748	0	Correlation	147.66	148.2	0.5381
1794	20	Biased	146.21	146.87	0.6598

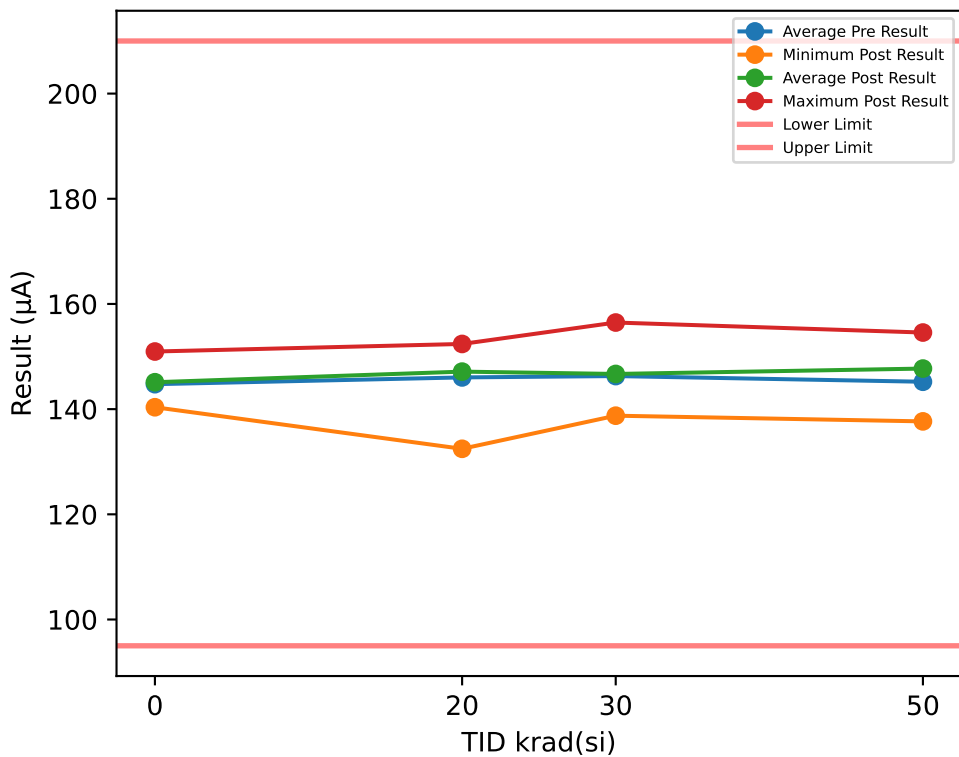
TID vs Post - Pre Exposure Delta



Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	140.68	145.39	151.9	4.5595	140.76	145.62	151.75	4.5052	-0.151	0.23128	0.5381	0.28304
20	132.89	146.44	150.95	5.0625	132.83	147.52	152.65	5.5606	-0.155	1.0835	2.6283	1.0974
30	137.69	146.33	157.37	6.4883	138.26	146.45	157.55	6.589	-2.1634	0.11191	2.5644	1.5145
50	135.5	145.84	151.65	5.7666	136.57	147.59	154.84	5.8736	-2.5451	1.7571	4.2305	2.113

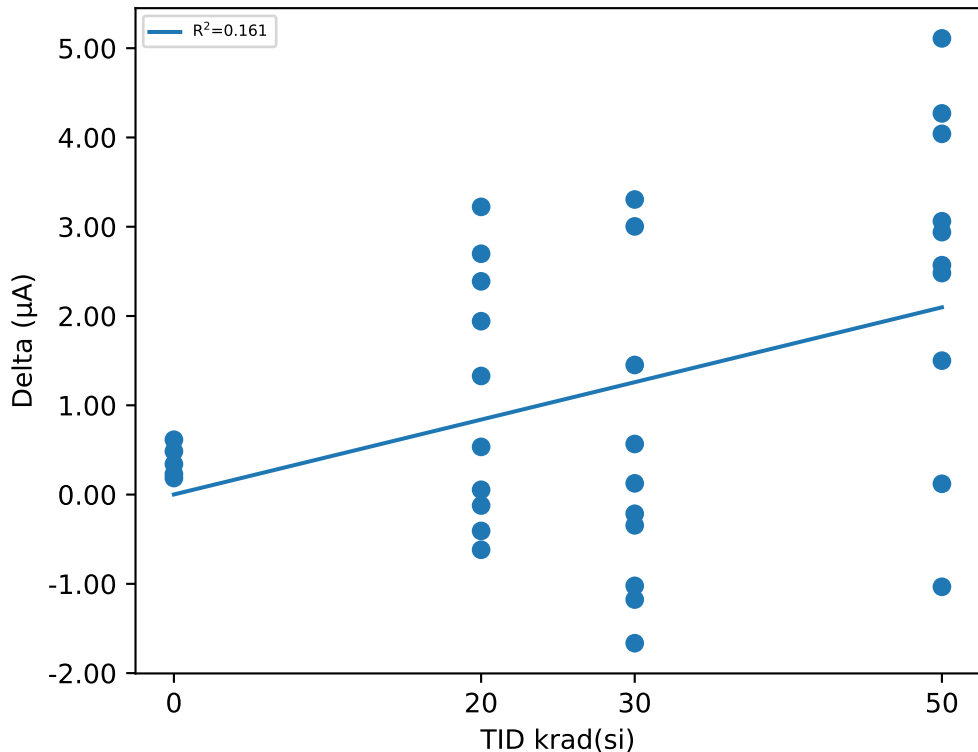
TID vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	146.76	146.63	-0.1227
371	20	Unbiased	150.45	152.39	1.9419
383	20	Unbiased	145.66	145.72	0.0535
390	50	Unbiased	147.58	147.7	0.1207
444	30	Unbiased	138.19	138.75	0.5664
509	30	Unbiased	156.68	156.47	-0.215
558	0	Correlation	150.34	150.96	0.6145
724	20	Biased	145.75	148.97	3.2225
744	50	Biased	145.47	149.51	4.0407
799	50	Biased	142.1	145.04	2.9394
842	30	Unbiased	143.08	144.53	1.4515
930	50	Unbiased	149.93	152.99	3.0617
964	20	Unbiased	147.61	150.3	2.6975
1056	0	Correlation	144.58	144.77	0.1852
1095	50	Unbiased	146.69	148.19	1.5001
1099	0	Correlation	139.88	140.36	0.4846
1215	50	Unbiased	148.99	151.56	2.5696
1229	50	Unbiased	149.46	154.57	5.1097
1297	20	Biased	146.04	147.36	1.3284
1331	30	Unbiased	140.05	140.17	0.1258
1337	20	Biased	146.76	149.15	2.3885
1359	30	Biased	143.7	147	3.3051
1375	30	Unbiased	144.61	143.59	-1.0227
1398	30	Biased	143.32	141.66	-1.6648
1401	20	Biased	152.2	151.59	-0.6185
1411	50	Biased	138.56	142.83	4.2697
1474	50	Biased	135.19	137.67	2.4808
1500	20	Unbiased	132.87	132.46	-0.4072
1504	50	Biased	148.11	147.08	-1.0329
1662	30	Biased	156.34	155.99	-0.3449
1703	30	Biased	148.01	151.01	3.0037
1736	30	Biased	148.89	147.71	-1.1761
1737	0	Correlation	141.26	141.49	0.2311
1748	0	Correlation	147.67	148.01	0.3407
1794	20	Biased	146.22	146.75	0.5341

TID vs Post - Pre Exposure Delta

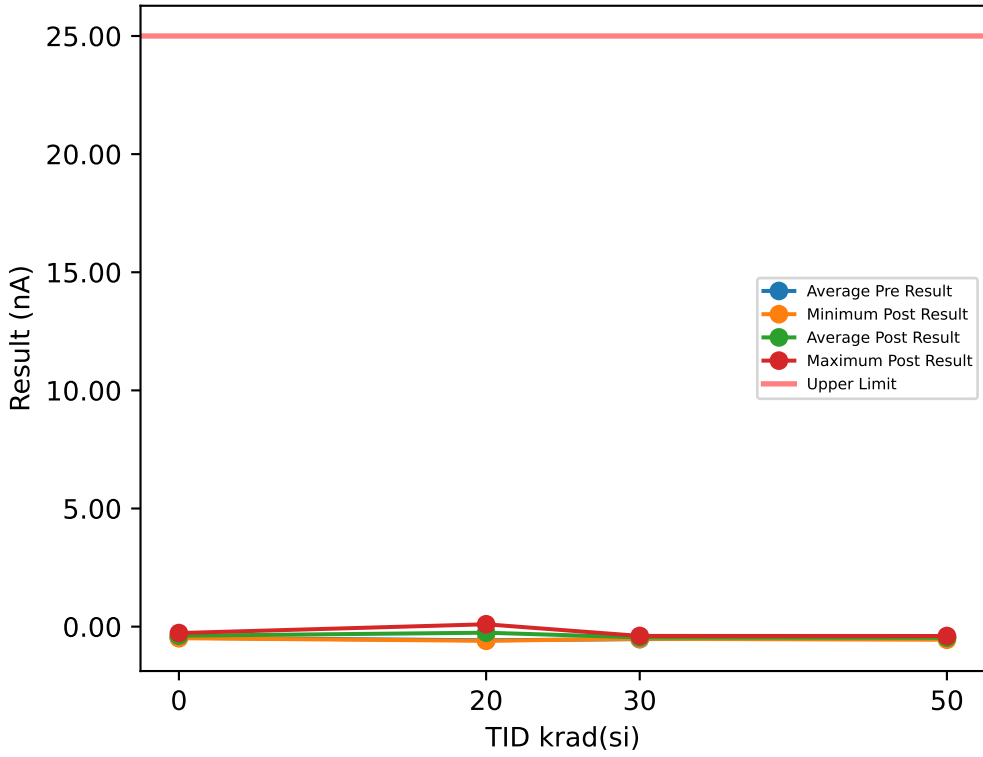


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	139.88	144.74	150.34	4.3528	140.36	145.12	150.96	4.427	0.1852	0.37122	0.6145	0.17833
20	132.87	146.03	152.2	5.1074	132.46	147.13	152.39	5.6055	-0.6185	1.1018	3.2225	1.3989
30	138.19	146.29	156.68	6.2534	138.75	146.69	156.47	6.2098	-1.6648	0.4029	3.3051	1.704
50	135.19	145.21	149.93	5.0023	137.67	147.71	154.57	5.0041	-1.0329	2.506	5.1097	1.8848

Device Test: 19.16 CURRENT|EA//14/14/0/0/5/500kHz//@EA_IB

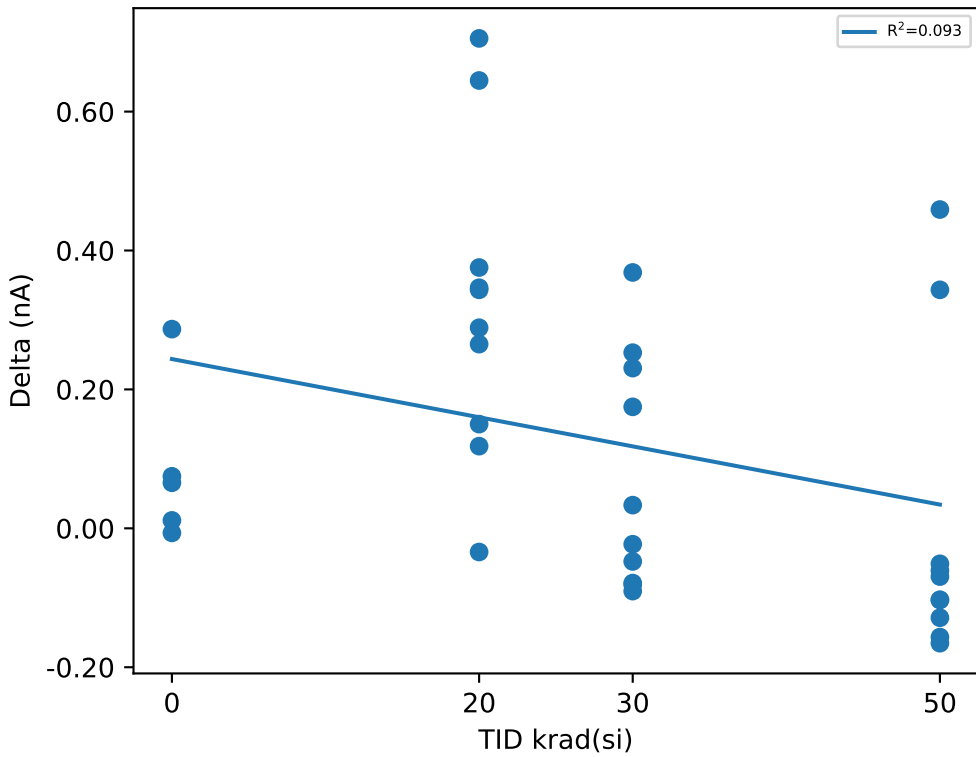
TID vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.4058	-0.0624	0.3434
371	20	Unbiased	-0.5652	-0.5993	-0.0341
383	20	Unbiased	-0.6026	-0.4526	0.15
390	50	Unbiased	-0.2777	-0.4431	-0.1654
444	30	Unbiased	-0.6274	-0.4525	0.1749
509	30	Unbiased	-0.3799	-0.4587	-0.0788
558	0	Correlation	-0.2652	-0.2718	-0.0066
724	20	Biased	-0.5324	-0.2436	0.2888
744	50	Biased	-0.3557	-0.5123	-0.1566
799	50	Biased	-0.2989	-0.4276	-0.1287
842	30	Unbiased	-0.4057	-0.4868	-0.0811
930	50	Unbiased	-0.2933	-0.3964	-0.1031
964	20	Unbiased	-0.8363	-0.4608	0.3755
1056	0	Correlation	-0.6804	-0.3936	0.2868
1095	50	Unbiased	-0.4203	-0.4811	-0.0608
1099	0	Correlation	-0.4057	-0.3308	0.0749
1215	50	Unbiased	-0.8896	-0.4306	0.459
1229	50	Unbiased	-0.5044	-0.5555	-0.0511
1297	20	Biased	-0.4494	-0.1842	0.2652
1331	30	Unbiased	-0.7678	-0.5149	0.2529
1337	20	Biased	-0.4681	-0.1217	0.3464
1359	30	Biased	-0.3652	-0.4556	-0.0904
1375	30	Unbiased	-0.8677	-0.4993	0.3684
1398	30	Biased	-0.6243	-0.3936	0.2307
1401	20	Biased	-0.8365	-0.1311	0.7054
1411	50	Biased	-0.3682	-0.4712	-0.103
1474	50	Biased	-0.4297	-0.4992	-0.0695
1500	20	Unbiased	-0.5449	0.0999	0.6448
1504	50	Biased	-0.824	-0.4806	0.3434
1662	30	Biased	-0.4266	-0.3932	0.0334
1703	30	Biased	-0.3767	-0.4244	-0.0477
1736	30	Biased	-0.4452	-0.4681	-0.0229
1737	0	Correlation	-0.5013	-0.4899	0.0114
1748	0	Correlation	-0.5024	-0.4368	0.0656
1794	20	Biased	-0.5293	-0.411	0.1183

TID vs Post - Pre Exposure Delta

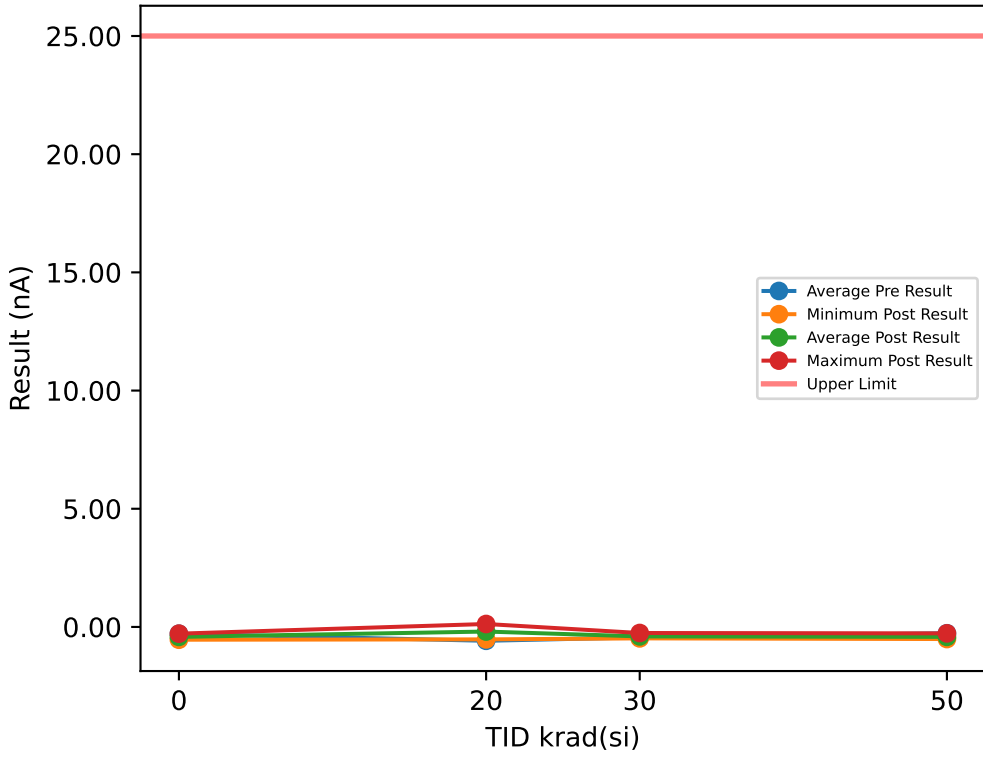


Test Statistics (nA)

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	-0.6804	-0.471	-0.2652	0.15196	-0.4899	-0.38458	-0.2718	0.085896	-0.0066	0.08642	0.2868	0.11726
20	-0.8365	-0.57705	-0.4058	0.14837	-0.5993	-0.25668	0.0999	0.21745	-0.0341	0.32037	0.7054	0.22541
30	-0.8677	-0.52865	-0.3652	0.18119	-0.5149	-0.45471	-0.3932	0.041202	-0.0904	0.07394	0.3684	0.16789
50	-0.8896	-0.46618	-0.2777	0.21792	-0.5555	-0.46976	-0.3964	0.046761	-0.1654	-0.00358	0.459	0.2184

Device Test: 19.17 CURRENT|EA//12/12/0/0/5/100kHz//@EA_IB

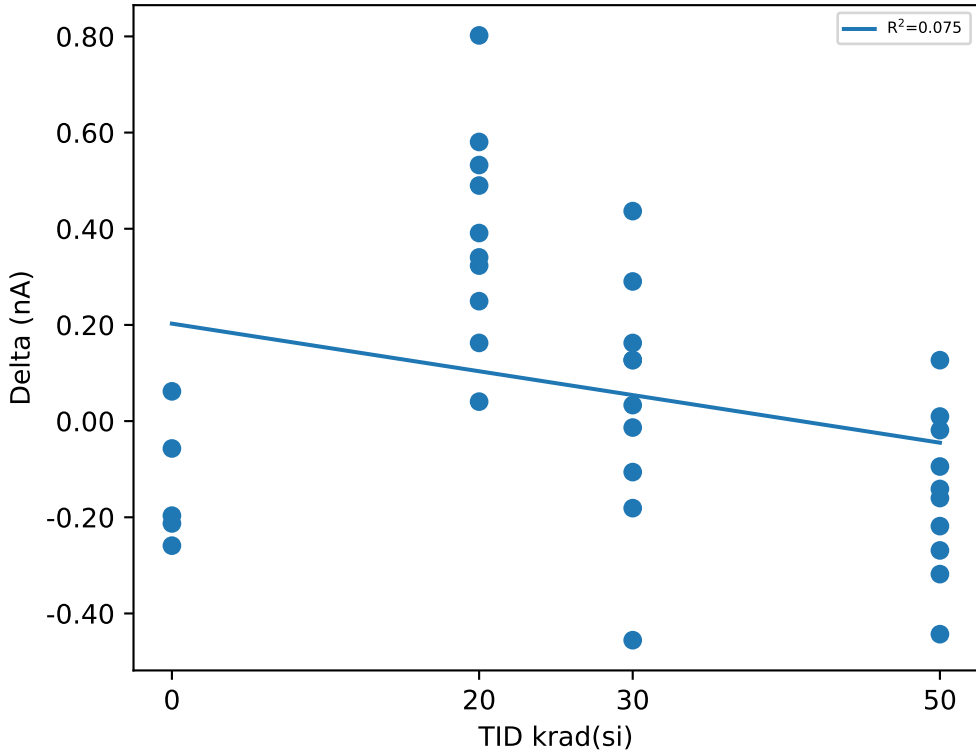
TID vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.4557	0.1248	0.5805
371	20	Unbiased	-0.5496	-0.387	0.1626
383	20	Unbiased	-0.5246	-0.1842	0.3404
390	50	Unbiased	-0.0718	-0.39	-0.3182
444	30	Unbiased	-0.5962	-0.4337	0.1625
509	30	Unbiased	-0.4359	-0.4493	-0.0134
558	0	Correlation	-0.3277	-0.5405	-0.2128
724	20	Biased	-0.4951	-0.1717	0.3234
744	50	Biased	-0.2278	-0.4967	-0.2689
799	50	Biased	-0.3425	-0.4369	-0.0944
842	30	Unbiased	-0.0281	-0.4837	-0.4556
930	50	Unbiased	-0.2933	-0.3121	-0.0188
964	20	Unbiased	-0.8675	-0.4764	0.3911
1056	0	Correlation	-0.5899	-0.528	0.0619
1095	50	Unbiased	-0.3985	-0.2718	0.1267
1099	0	Correlation	-0.025	-0.284	-0.259
1215	50	Unbiased	-0.4713	-0.4618	0.0095
1229	50	Unbiased	-0.3518	-0.5118	-0.16
1297	20	Biased	-0.5086	-0.2592	0.2494
1331	30	Unbiased	-0.2684	-0.4494	-0.181
1337	20	Biased	-0.493	-0.0031	0.4899
1359	30	Biased	-0.7304	-0.44	0.2904
1375	30	Unbiased	-0.3153	-0.4213	-0.106
1398	30	Biased	-0.6929	-0.2562	0.4367
1401	20	Biased	-0.9083	-0.1062	0.8021
1411	50	Biased	0.0125	-0.4306	-0.4431
1474	50	Biased	-0.3145	-0.4556	-0.1411
1500	20	Unbiased	-0.4919	0.0406	0.5325
1504	50	Biased	-0.2122	-0.4306	-0.2184
1662	30	Biased	-0.4639	-0.4306	0.0333
1703	30	Biased	-0.4328	-0.3058	0.127
1736	30	Biased	-0.4577	-0.3308	0.1269
1737	0	Correlation	-0.3581	-0.415	-0.0569
1748	0	Correlation	-0.1404	-0.337	-0.1966
1794	20	Biased	-0.5667	-0.5262	0.0405

TID vs Post - Pre Exposure Delta

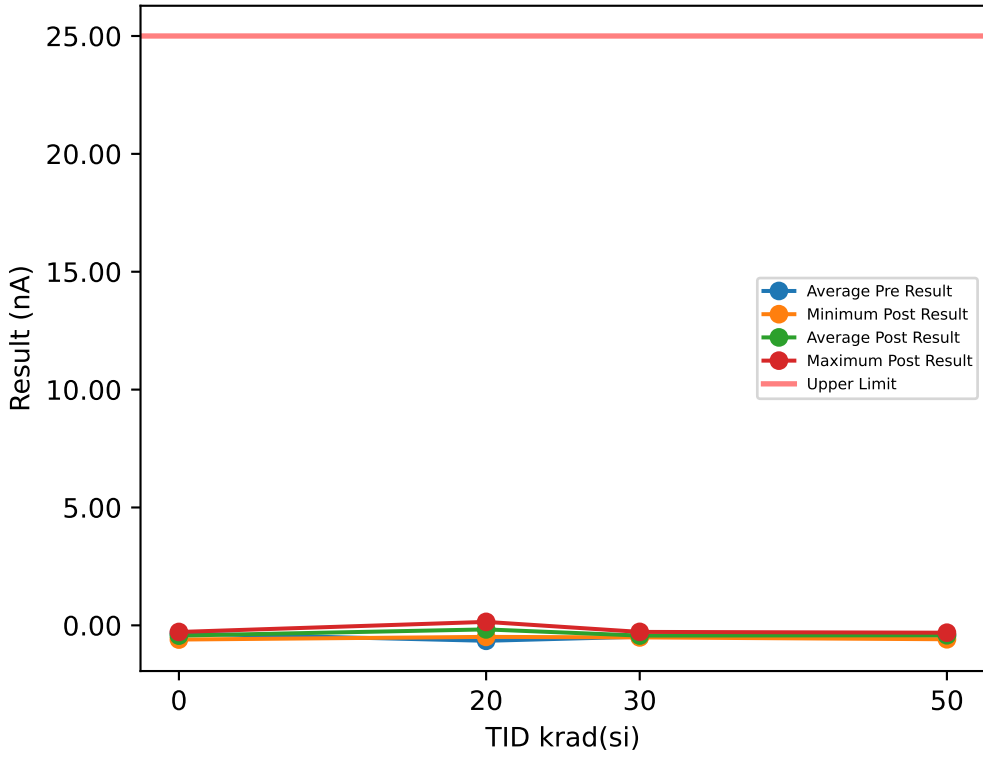


Test Statistics (nA)

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	-0.5899	-0.28822	-0.025	0.21713	-0.5405	-0.4209	-0.284	0.11357	-0.259	-0.13268	0.0619	0.13235
20	-0.9083	-0.5861	-0.4557	0.16239	-0.5262	-0.19486	0.1248	0.21935	0.0405	0.39124	0.8021	0.22033
30	-0.7304	-0.44216	-0.0281	0.2077	-0.4837	-0.40008	-0.2562	0.074791	-0.4556	0.04208	0.4367	0.2514
50	-0.4713	-0.26712	0.0125	0.14743	-0.5118	-0.41979	-0.2718	0.07626	-0.4431	-0.15267	0.1267	0.16847

Device Test: 19.18 CURRENT|EA//14/14/0/0/5/100kHz//@EA_IB

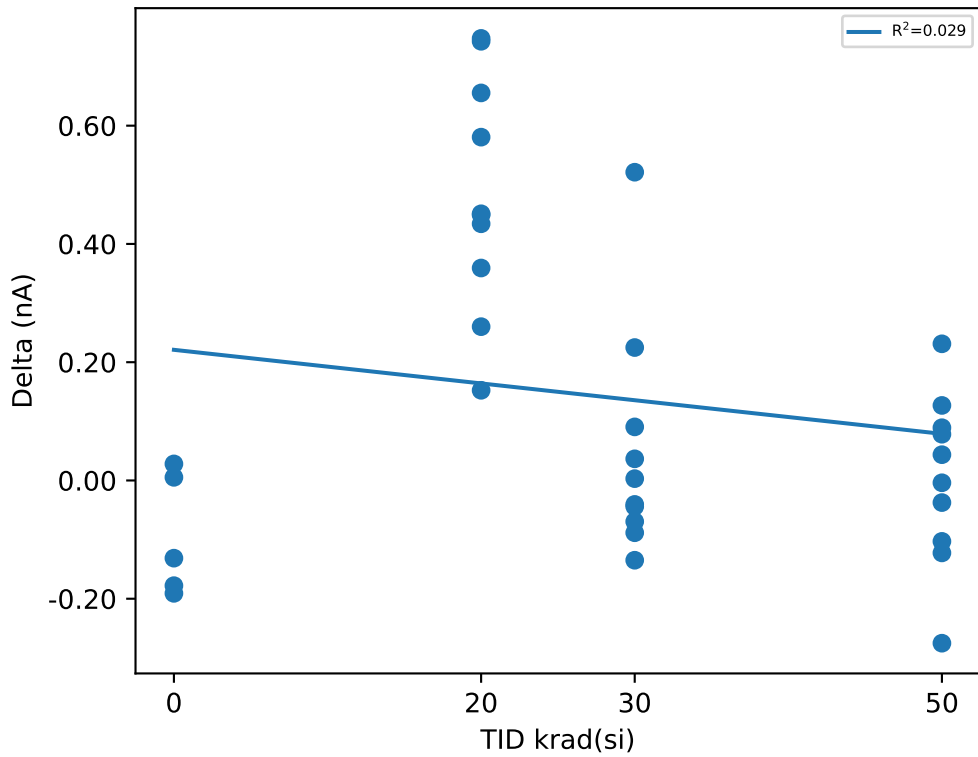
TID vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.6648	-0.0094	0.6554
371	20	Unbiased	-0.6682	-0.2341	0.4341
383	20	Unbiased	-0.7151	-0.3558	0.3593
390	50	Unbiased	-0.3557	-0.4587	-0.103
444	30	Unbiased	-0.5618	-0.4712	0.0906
509	30	Unbiased	-0.3425	-0.4774	-0.1349
558	0	Correlation	-0.1498	-0.2812	-0.1314
724	20	Biased	-0.5978	-0.1468	0.451
744	50	Biased	-0.3152	-0.5904	-0.2752
799	50	Biased	-0.3332	-0.4557	-0.1225
842	30	Unbiased	-0.5149	-0.5118	0.0031
930	50	Unbiased	-0.3557	-0.3121	0.0436
964	20	Unbiased	-0.7489	-0.4888	0.2601
1056	0	Correlation	-0.412	-0.6029	-0.1909
1095	50	Unbiased	-0.4141	-0.3249	0.0892
1099	0	Correlation	-0.4712	-0.4432	0.028
1215	50	Unbiased	-0.5899	-0.5117	0.0782
1229	50	Unbiased	-0.4577	-0.3308	0.1269
1297	20	Biased	-0.6147	-0.1655	0.4492
1331	30	Unbiased	-0.7991	-0.2778	0.5213
1337	20	Biased	-0.6709	0.0718	0.7427
1359	30	Biased	-0.3714	-0.4119	-0.0405
1375	30	Unbiased	-0.721	-0.4962	0.2248
1398	30	Biased	-0.3184	-0.3624	-0.044
1401	20	Biased	-0.668	-0.0874	0.5806
1411	50	Biased	-0.3651	-0.4025	-0.0374
1474	50	Biased	-0.3612	-0.3651	-0.0039
1500	20	Unbiased	-0.6009	0.1467	0.7476
1504	50	Biased	-0.6836	-0.4525	0.2311
1662	30	Biased	-0.4079	-0.3713	0.0366
1703	30	Biased	-0.3705	-0.44	-0.0695
1736	30	Biased	-0.4234	-0.5118	-0.0884
1737	0	Correlation	-0.4484	-0.4431	0.0053
1748	0	Correlation	-0.2309	-0.4088	-0.1779
1794	20	Biased	-0.604	-0.4515	0.1525

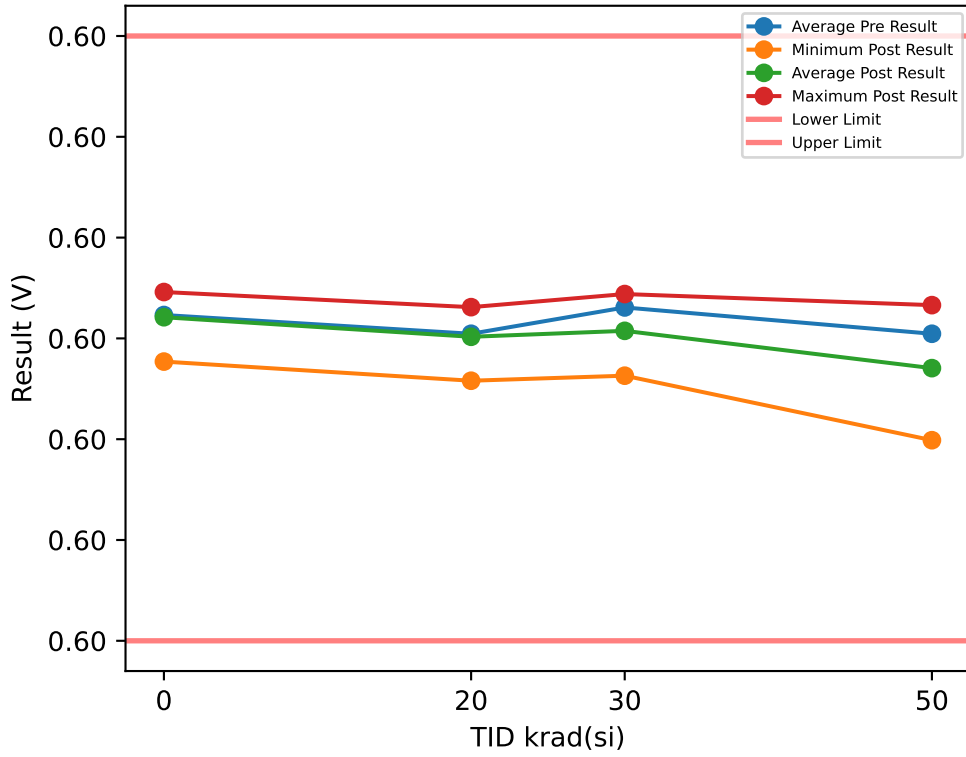
TID vs Post - Pre Exposure Delta



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	-0.4712	-0.34246	-0.1498	0.14335	-0.6029	-0.43584	-0.2812	0.11474	-0.1909	-0.09338	0.028	0.10316
20	-0.7489	-0.65533	-0.5978	0.051147	-0.4888	-0.17208	0.1467	0.2138	0.1525	0.48325	0.7476	0.19874
30	-0.7991	-0.48309	-0.3184	0.16497	-0.5118	-0.43318	-0.2778	0.076895	-0.1349	0.04991	0.5213	0.19475
50	-0.6836	-0.42314	-0.3152	0.12155	-0.5904	-0.42044	-0.3121	0.090206	-0.2752	0.0027	0.2311	0.1446

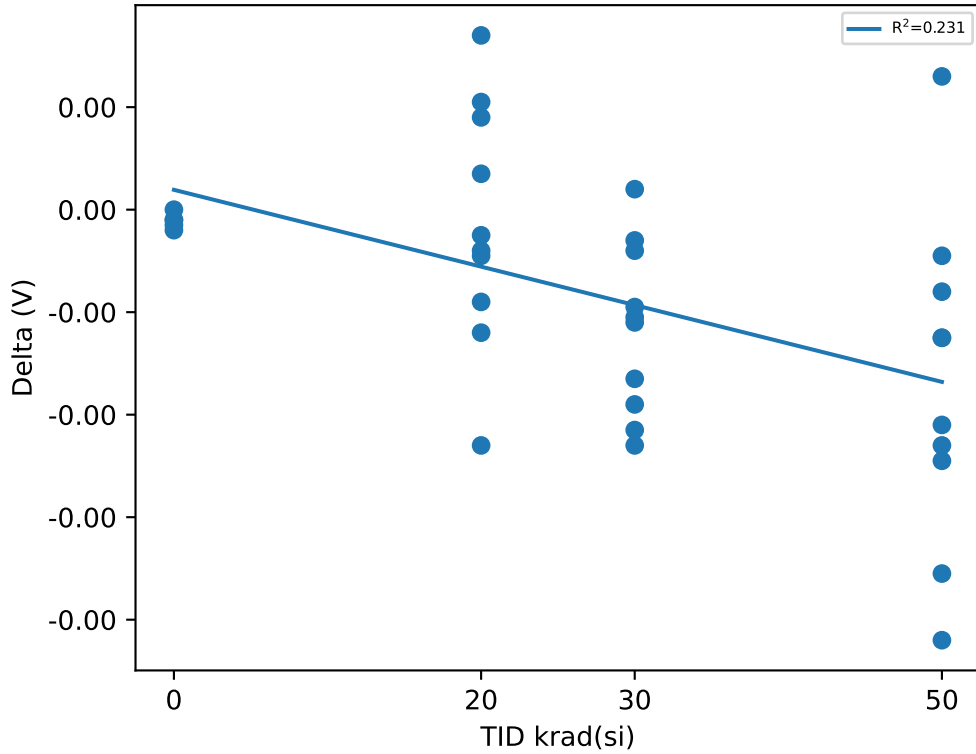
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59982	0.59958	-0.00024
371	20	Unbiased	0.60011	0.60003	-8e-05
383	20	Unbiased	0.60003	0.60021	0.00018
390	50	Unbiased	0.60005	0.5998	-0.00025
444	30	Unbiased	0.60047	0.60041	-6e-05
509	30	Unbiased	0.60052	0.60044	-8e-05
558	0	Correlation	0.60034	0.60031	-3e-05
724	20	Biased	0.6004	0.60022	-0.00018
744	50	Biased	0.59983	0.59967	-0.00016
799	50	Biased	0.59997	0.59988	-9e-05
842	30	Unbiased	0.60033	0.59995	-0.00038
930	50	Unbiased	0.60038	0.59996	-0.00042
964	20	Unbiased	0.60015	0.60022	7e-05
1056	0	Correlation	0.60045	0.60041	-4e-05
1095	50	Unbiased	0.59972	0.59926	-0.00046
1099	0	Correlation	0.60048	0.60046	-2e-05
1215	50	Unbiased	0.60007	0.60033	0.00026
1229	50	Unbiased	0.60041	0.60016	-0.00025
1297	20	Biased	0.59996	0.59991	-5e-05
1331	30	Unbiased	0.6001	0.59964	-0.00046
1337	20	Biased	0.60006	0.5996	-0.00046
1359	30	Biased	0.60006	0.59963	-0.00043
1375	30	Unbiased	0.60041	0.60019	-0.00022
1398	30	Biased	0.60034	0.60001	-0.00033
1401	20	Biased	0.59997	0.60031	0.00034
1411	50	Biased	0.59992	0.59921	-0.00071
1474	50	Biased	0.59983	0.59899	-0.00084
1500	20	Unbiased	0.59997	0.60018	0.00021
1504	50	Biased	0.60028	0.59979	-0.00049
1662	30	Biased	0.60018	0.60022	4e-05
1703	30	Biased	0.60063	0.60044	-0.00019
1736	30	Biased	0.60003	0.59982	-0.00021
1737	0	Correlation	0.6001	0.6001	0
1748	0	Correlation	0.59979	0.59977	-2e-05
1794	20	Biased	0.59999	0.5999	-9e-05

TID vs Post - Pre Exposure Delta

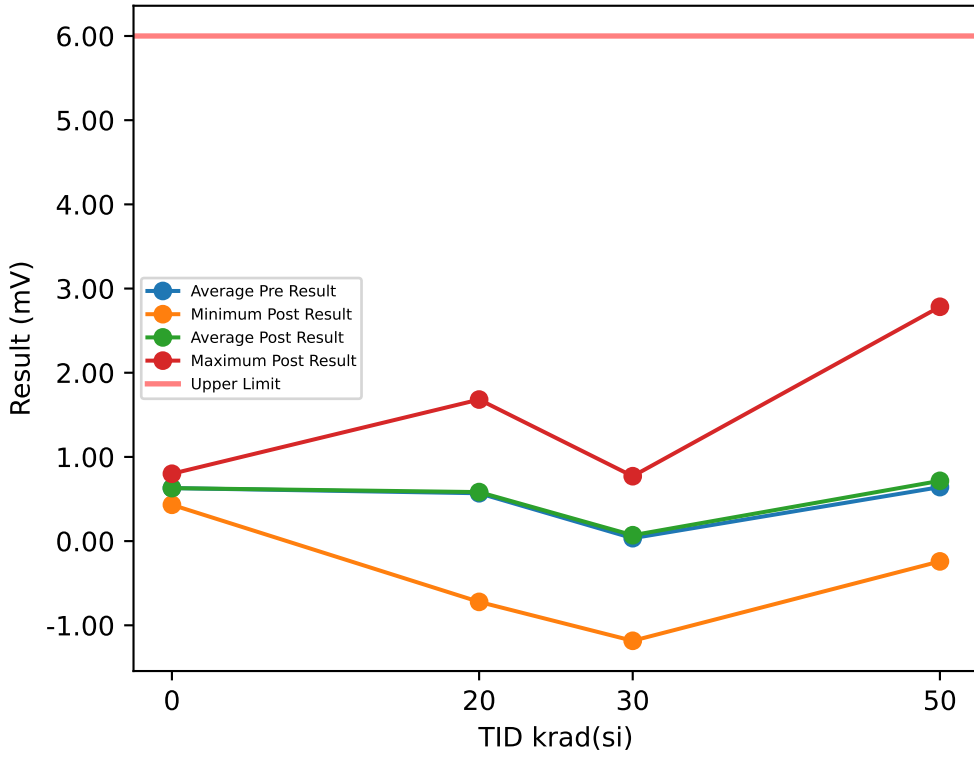


Test Statistics (V)

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	0.59979	0.60023	0.60048	0.00028874	0.59977	0.60021	0.60046	0.00028205	-4e-05	-2.2e-05	0	1.4832e-05
20	0.59982	0.60005	0.6004	0.00015414	0.59958	0.60002	0.60031	0.00026294	-0.00046	-3e-05	0.00034	0.00023725
30	0.60003	0.60031	0.60063	0.00020688	0.59963	0.60008	0.60044	0.00031359	-0.00046	-0.000232	4e-05	0.00016725
50	0.59972	0.60005	0.60041	0.00024052	0.59899	0.5997	0.60033	0.00043012	-0.00084	-0.000341	0.00026	0.00031645

Device Test: 19.21 VOLTAGE|OFFSET//12/12/0/0/5/100kHz//@EA_OS

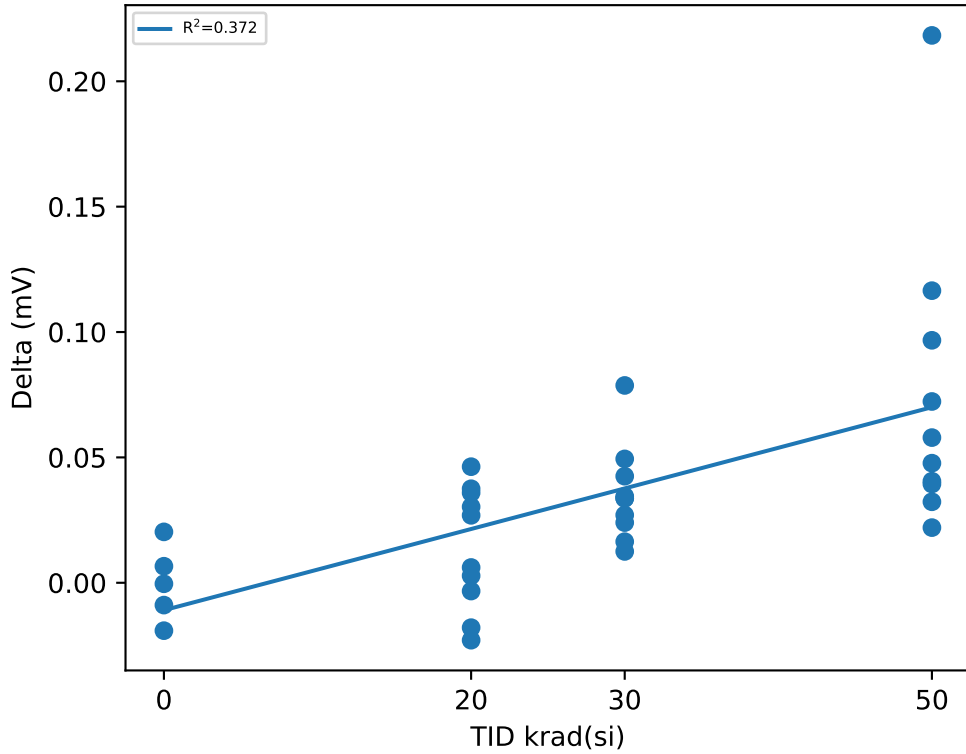
TID vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.6465	1.6768	0.0303
371	20	Unbiased	0.4966	0.5429	0.0463
383	20	Unbiased	1.6457	1.6816	0.0359
390	50	Unbiased	0.1568	0.2147	0.0579
444	30	Unbiased	-1.2178	-1.1841	0.0337
509	30	Unbiased	-0.083	-0.056	0.027
558	0	Correlation	0.7594	0.759	-0.0004
724	20	Biased	-0.0253	-0.0432	-0.0179
744	50	Biased	1.1066	1.1389	0.0323
799	50	Biased	0.8158	0.8563	0.0405
842	30	Unbiased	0.596	0.62	0.024
930	50	Unbiased	0.3094	0.5277	0.2183
964	20	Unbiased	1.2068	1.1839	-0.0229
1056	0	Correlation	0.5064	0.513	0.0066
1095	50	Unbiased	0.1191	0.1411	0.022
1099	0	Correlation	0.6524	0.6435	-0.0089
1215	50	Unbiased	1.0067	1.1232	0.1165
1229	50	Unbiased	0.6689	0.7656	0.0967
1297	20	Biased	0.8333	0.83	-0.0033
1331	30	Unbiased	0.0967	0.1754	0.0787
1337	20	Biased	-0.3714	-0.3445	0.0269
1359	30	Biased	0.2898	0.3023	0.0125
1375	30	Unbiased	0.7285	0.771	0.0425
1398	30	Biased	0.3533	0.3697	0.0164
1401	20	Biased	-0.728	-0.7219	0.0061
1411	50	Biased	-0.2803	-0.2409	0.0394
1474	50	Biased	-0.1988	-0.1511	0.0477
1500	20	Unbiased	0.4358	0.4733	0.0375
1504	50	Biased	2.7113	2.7836	0.0723
1662	30	Biased	-0.1556	-0.1219	0.0337
1703	30	Biased	-0.0772	-0.0278	0.0494
1736	30	Biased	-0.1834	-0.1489	0.0345
1737	0	Correlation	0.4112	0.4315	0.0203
1748	0	Correlation	0.8192	0.8001	-0.0191
1794	20	Biased	0.5432	0.546	0.0028

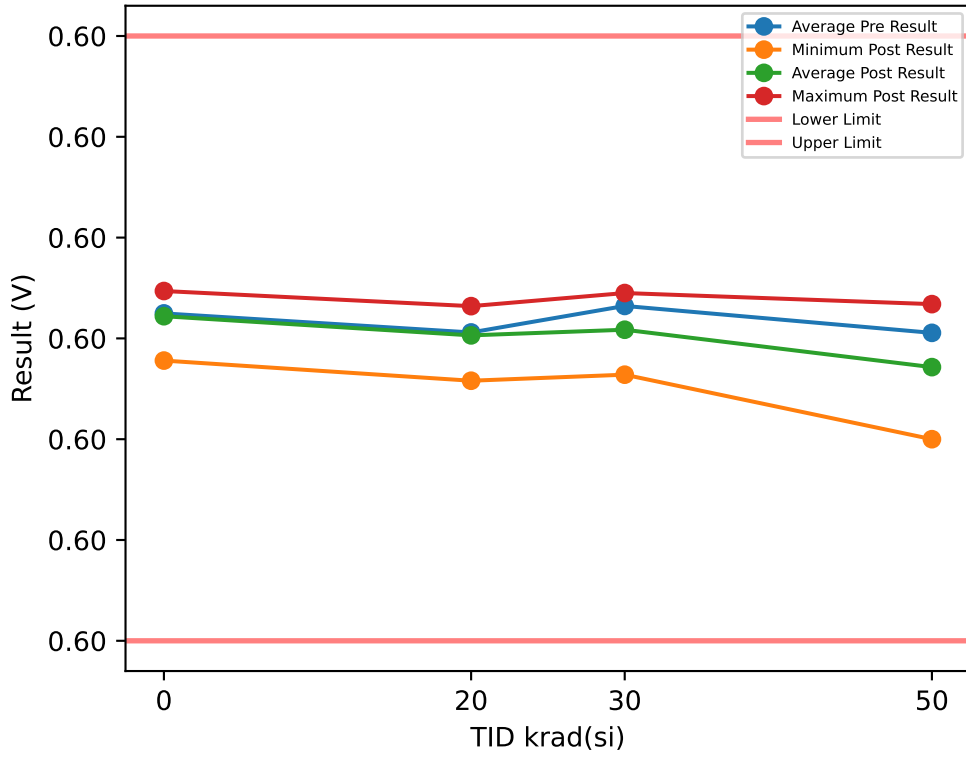
TID vs Post - Pre Exposure Delta



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	0.4112	0.62972	0.8192	0.17044	0.4315	0.62942	0.8001	0.1572	-0.0191	-0.0003	0.0203	0.014995
20	-0.728	0.56832	1.6465	0.79863	-0.7219	0.58249	1.6816	0.80247	-0.0229	0.01417	0.0463	0.024434
30	-1.2178	0.03473	0.7285	0.54219	-1.1841	0.06997	0.771	0.54076	0.0125	0.03524	0.0787	0.018896
50	-0.2803	0.64155	2.7113	0.87171	-0.2409	0.71591	2.7836	0.87728	0.022	0.07436	0.2183	0.058556

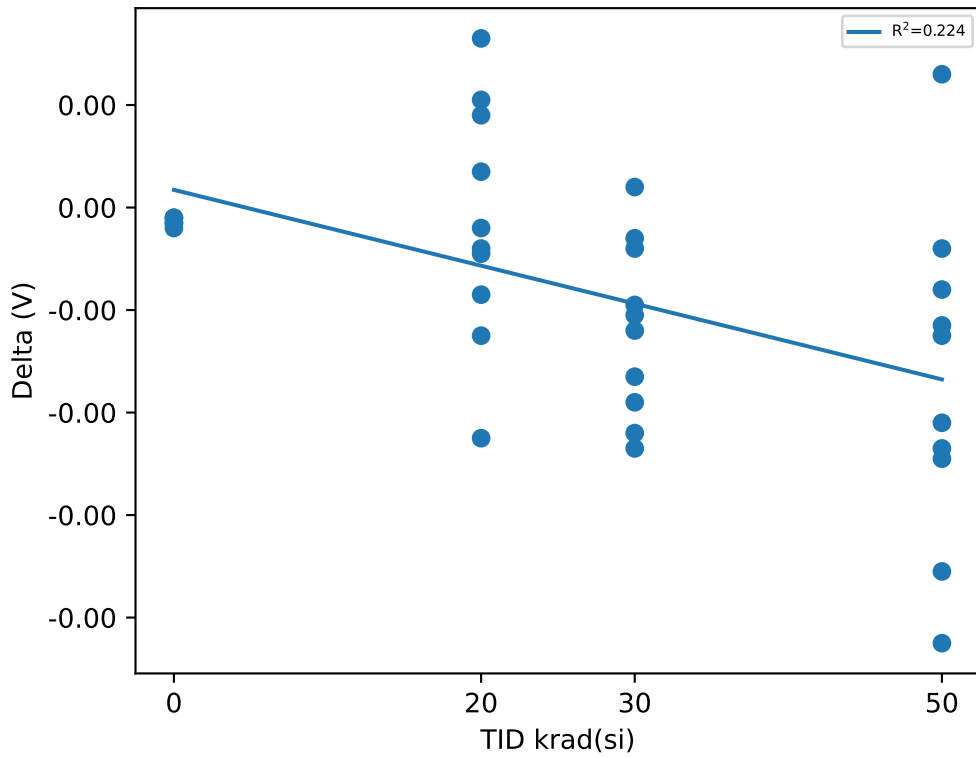
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59983	0.59958	-0.00025
371	20	Unbiased	0.60012	0.60004	-8e-05
383	20	Unbiased	0.60004	0.60022	0.00018
390	50	Unbiased	0.60006	0.59983	-0.00023
444	30	Unbiased	0.60048	0.60042	-6e-05
509	30	Unbiased	0.60053	0.60045	-8e-05
558	0	Correlation	0.60036	0.60032	-4e-05
724	20	Biased	0.60041	0.60024	-0.00017
744	50	Biased	0.59984	0.59968	-0.00016
799	50	Biased	0.59997	0.59989	-8e-05
842	30	Unbiased	0.60034	0.59996	-0.00038
930	50	Unbiased	0.60039	0.59997	-0.00042
964	20	Unbiased	0.60017	0.60024	7e-05
1056	0	Correlation	0.60046	0.60043	-3e-05
1095	50	Unbiased	0.59974	0.59927	-0.00047
1099	0	Correlation	0.6005	0.60047	-3e-05
1215	50	Unbiased	0.60008	0.60034	0.00026
1229	50	Unbiased	0.60042	0.60017	-0.00025
1297	20	Biased	0.59997	0.59993	-4e-05
1331	30	Unbiased	0.60012	0.59965	-0.00047
1337	20	Biased	0.60007	0.59962	-0.00045
1359	30	Biased	0.60008	0.59964	-0.00044
1375	30	Unbiased	0.60043	0.60019	-0.00024
1398	30	Biased	0.60036	0.60003	-0.00033
1401	20	Biased	0.59999	0.60032	0.00033
1411	50	Biased	0.59992	0.59921	-0.00071
1474	50	Biased	0.59985	0.599	-0.00085
1500	20	Unbiased	0.59999	0.6002	0.00021
1504	50	Biased	0.60028	0.59979	-0.00049
1662	30	Biased	0.6002	0.60024	4e-05
1703	30	Biased	0.60064	0.60045	-0.00019
1736	30	Biased	0.60004	0.59983	-0.00021
1737	0	Correlation	0.60012	0.6001	-2e-05
1748	0	Correlation	0.5998	0.59978	-2e-05
1794	20	Biased	0.6	0.59991	-9e-05

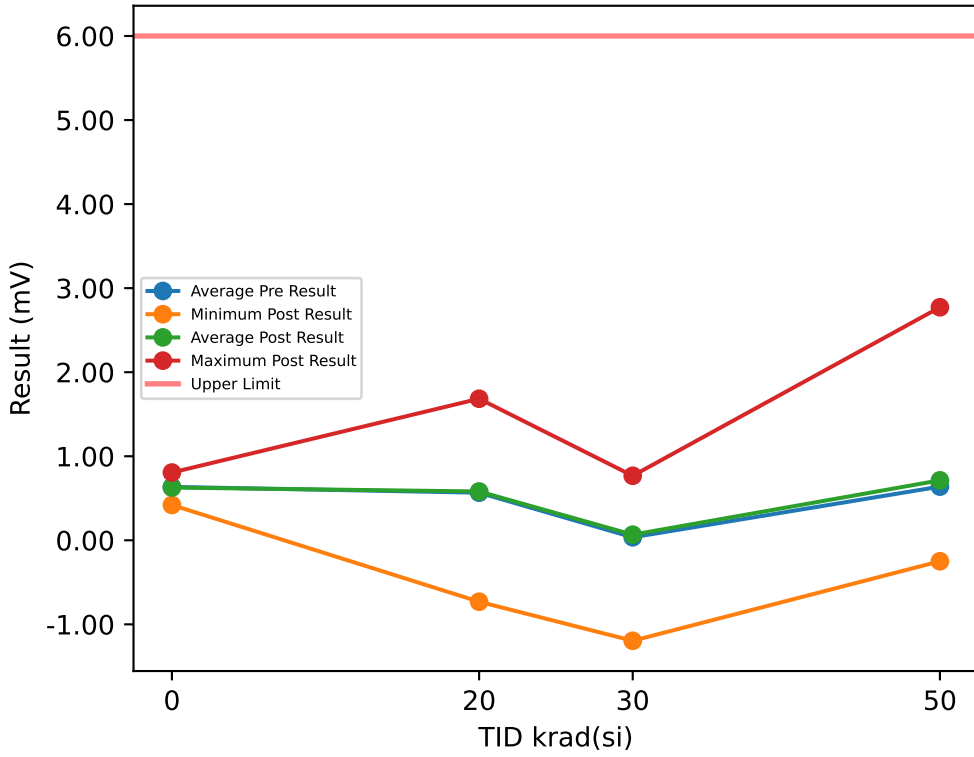
TID vs Post - Pre Exposure Delta



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	0.5998	0.60025	0.6005	0.00029072	0.59978	0.60022	0.60047	0.00028487	-4e-05	-2.8e-05	-2e-05	8.3666e-06
20	0.59983	0.60006	0.60041	0.00015387	0.59958	0.60003	0.60032	0.00026508	-0.00045	-2.9e-05	0.00033	0.00023378
30	0.60004	0.60032	0.60064	0.00020455	0.59964	0.60009	0.60045	0.00031352	-0.00047	-0.000236	4e-05	0.00017005
50	0.59974	0.60006	0.60042	0.00023797	0.599	0.59971	0.60034	0.00043175	-0.00085	-0.00034	0.00026	0.00032024

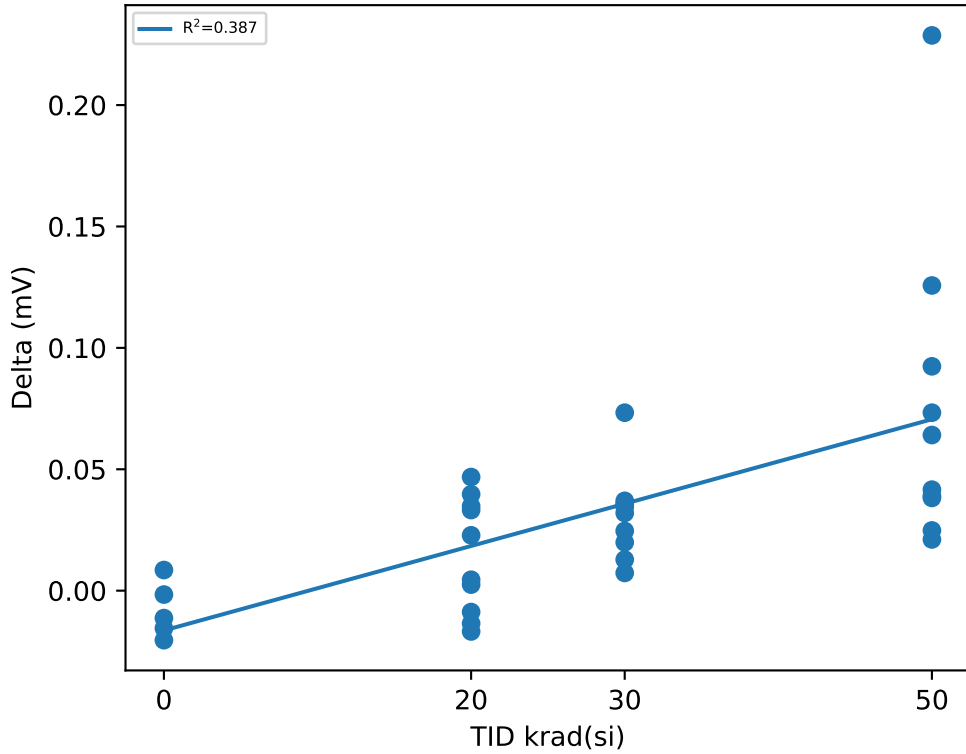
TID vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.6448	1.678	0.0332
371	20	Unbiased	0.4958	0.5355	0.0397
383	20	Unbiased	1.6374	1.6842	0.0468
390	50	Unbiased	0.1513	0.2246	0.0733
444	30	Unbiased	-1.2157	-1.1958	0.0199
509	30	Unbiased	-0.0817	-0.0571	0.0246
558	0	Correlation	0.771	0.7555	-0.0155
724	20	Biased	-0.0275	-0.0443	-0.0168
744	50	Biased	1.1078	1.1326	0.0248
799	50	Biased	0.8099	0.8481	0.0382
842	30	Unbiased	0.5887	0.6237	0.035
930	50	Unbiased	0.2999	0.5286	0.2287
964	20	Unbiased	1.2019	1.1884	-0.0135
1056	0	Correlation	0.5101	0.5085	-0.0016
1095	50	Unbiased	0.1188	0.1399	0.0211
1099	0	Correlation	0.6662	0.6458	-0.0204
1215	50	Unbiased	1.0003	1.126	0.1257
1229	50	Unbiased	0.6677	0.7601	0.0924
1297	20	Biased	0.8319	0.8364	0.0045
1331	30	Unbiased	0.1067	0.18	0.0733
1337	20	Biased	-0.372	-0.3492	0.0228
1359	30	Biased	0.2903	0.2976	0.0073
1375	30	Unbiased	0.733	0.7676	0.0346
1398	30	Biased	0.3569	0.3697	0.0128
1401	20	Biased	-0.7221	-0.7309	-0.0088
1411	50	Biased	-0.291	-0.2494	0.0416
1474	50	Biased	-0.188	-0.1489	0.0391
1500	20	Unbiased	0.4333	0.4681	0.0348
1504	50	Biased	2.7084	2.7725	0.0641
1662	30	Biased	-0.1552	-0.1232	0.032
1703	30	Biased	-0.0751	-0.0381	0.037
1736	30	Biased	-0.1918	-0.1561	0.0357
1737	0	Correlation	0.412	0.4205	0.0085
1748	0	Correlation	0.8175	0.8062	-0.0113
1794	20	Biased	0.5392	0.5417	0.0025

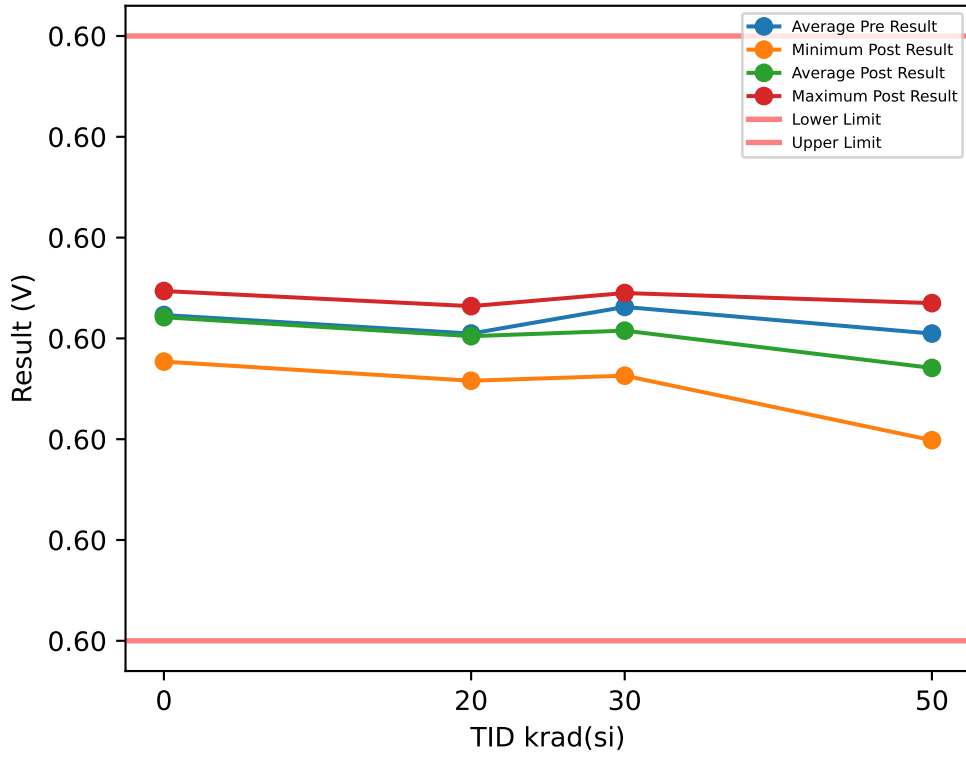
TID vs Post - Pre Exposure Delta



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	0.412	0.63536	0.8175	0.17183	0.4205	0.6273	0.8062	0.16253	-0.0204	-0.00806	0.0085	0.011555
20	-0.7221	0.56627	1.6448	0.79591	-0.7309	0.58079	1.6842	0.80611	-0.0168	0.01452	0.0468	0.02371
30	-1.2157	0.03561	0.733	0.54215	-1.1958	0.06683	0.7676	0.5442	0.0073	0.03122	0.0733	0.018055
50	-0.291	0.63851	2.7084	0.87146	-0.2494	0.71341	2.7725	0.87424	0.0211	0.0749	0.2287	0.063072

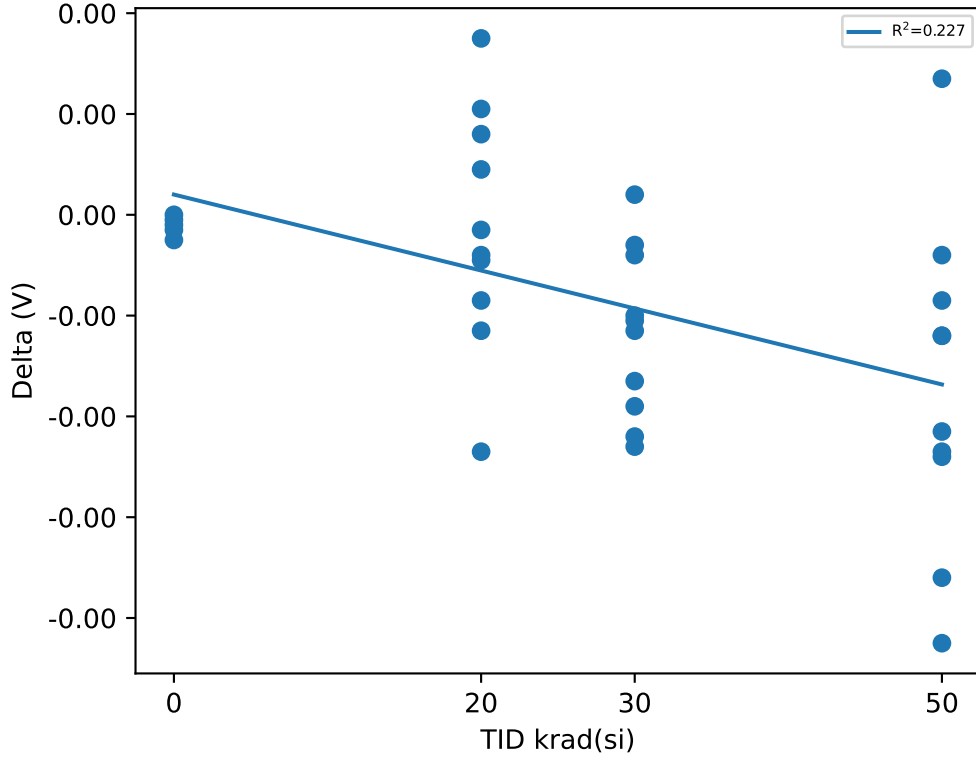
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59981	0.59958	-0.00023
371	20	Unbiased	0.60012	0.60004	-8e-05
383	20	Unbiased	0.60004	0.6002	0.00016
390	50	Unbiased	0.60006	0.59982	-0.00024
444	30	Unbiased	0.60047	0.60041	-6e-05
509	30	Unbiased	0.60053	0.60045	-8e-05
558	0	Correlation	0.60034	0.60031	-3e-05
724	20	Biased	0.60041	0.60024	-0.00017
744	50	Biased	0.59983	0.59966	-0.00017
799	50	Biased	0.59997	0.59989	-8e-05
842	30	Unbiased	0.60033	0.59995	-0.00038
930	50	Unbiased	0.60038	0.59995	-0.00043
964	20	Unbiased	0.60014	0.60023	9e-05
1056	0	Correlation	0.60046	0.60041	-5e-05
1095	50	Unbiased	0.59973	0.59926	-0.00047
1099	0	Correlation	0.60047	0.60047	0
1215	50	Unbiased	0.60008	0.60035	0.00027
1229	50	Unbiased	0.60041	0.60017	-0.00024
1297	20	Biased	0.59996	0.59993	-3e-05
1331	30	Unbiased	0.6001	0.59964	-0.00046
1337	20	Biased	0.60007	0.5996	-0.00047
1359	30	Biased	0.60007	0.59963	-0.00044
1375	30	Unbiased	0.60042	0.60019	-0.00023
1398	30	Biased	0.60035	0.60002	-0.00033
1401	20	Biased	0.59997	0.60032	0.00035
1411	50	Biased	0.59992	0.5992	-0.00072
1474	50	Biased	0.59984	0.59899	-0.00085
1500	20	Unbiased	0.59997	0.60018	0.00021
1504	50	Biased	0.60026	0.59978	-0.00048
1662	30	Biased	0.60019	0.60023	4e-05
1703	30	Biased	0.60064	0.60044	-0.0002
1736	30	Biased	0.60002	0.59981	-0.00021
1737	0	Correlation	0.6001	0.60009	-1e-05
1748	0	Correlation	0.59979	0.59977	-2e-05
1794	20	Biased	0.59999	0.5999	-9e-05

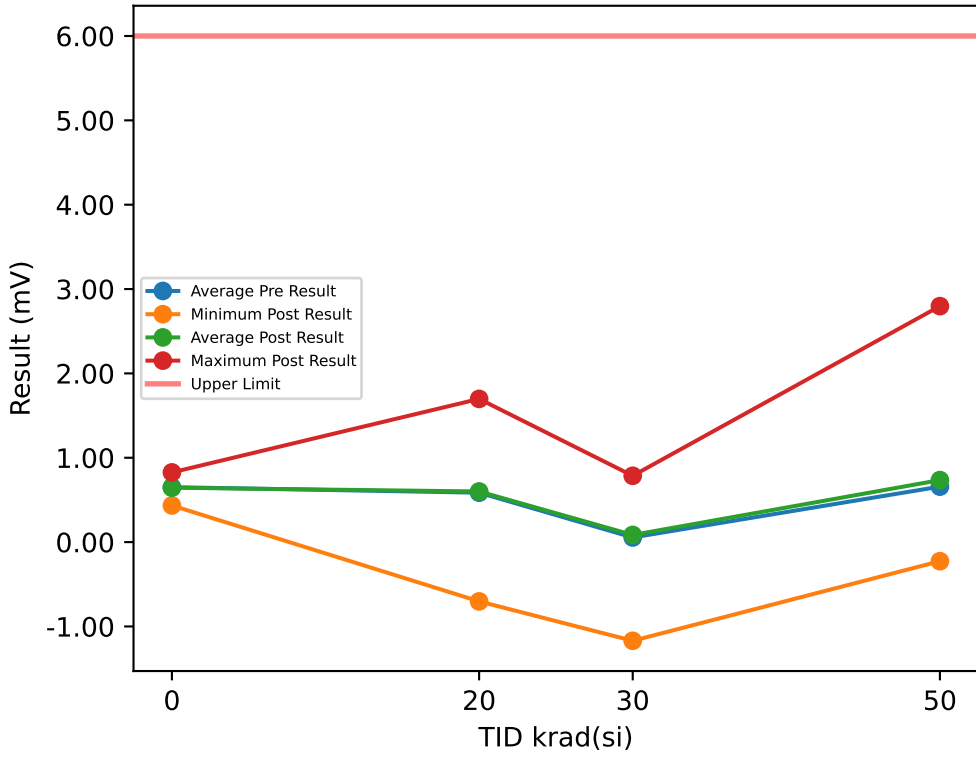
TID vs Post - Pre Exposure Delta



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	0.59979	0.60023	0.60047	0.00028857	0.59977	0.60021	0.60047	0.00028531	-5e-05	-2.2e-05	0	1.9235e-05
20	0.59981	0.60005	0.60041	0.00015817	0.59958	0.60002	0.60032	0.00026528	-0.00047	-2.6e-05	0.00035	0.00023843
30	0.60002	0.60031	0.60064	0.00021007	0.59963	0.60008	0.60045	0.00031612	-0.00046	-0.000235	4e-05	0.00016828
50	0.59973	0.60005	0.60041	0.00023612	0.59899	0.59971	0.60035	0.0004361	-0.00085	-0.000341	0.00027	0.00032278

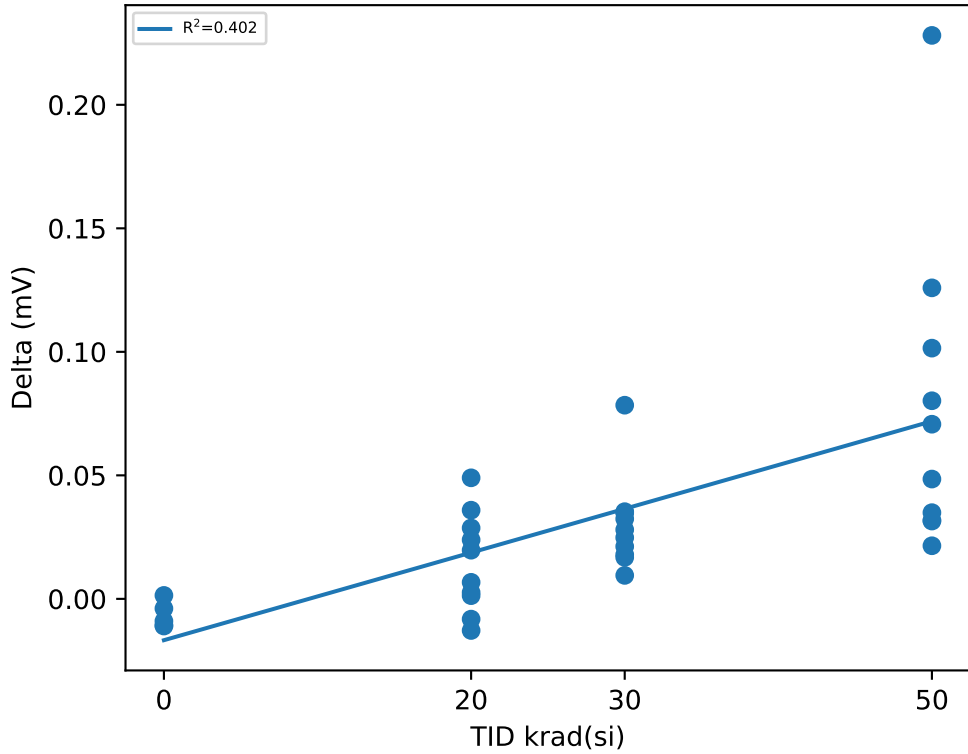
TID vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.6646	1.6885	0.0239
371	20	Unbiased	0.51	0.559	0.049
383	20	Unbiased	1.6618	1.6977	0.0359
390	50	Unbiased	0.1683	0.239	0.0707
444	30	Unbiased	-1.1879	-1.17	0.0179
509	30	Unbiased	-0.0603	-0.0323	0.028
558	0	Correlation	0.7827	0.7717	-0.011
724	20	Biased	-0.0087	-0.0215	-0.0128
744	50	Biased	1.1253	1.1568	0.0315
799	50	Biased	0.8389	0.8707	0.0318
842	30	Unbiased	0.6088	0.6436	0.0348
930	50	Unbiased	0.3155	0.5436	0.2281
964	20	Unbiased	1.2067	1.2093	0.0026
1056	0	Correlation	0.5331	0.5224	-0.0107
1095	50	Unbiased	0.1442	0.1657	0.0215
1099	0	Correlation	0.6728	0.6689	-0.0039
1215	50	Unbiased	1.0239	1.1498	0.1259
1229	50	Unbiased	0.6819	0.7834	0.1015
1297	20	Biased	0.8533	0.86	0.0067
1331	30	Unbiased	0.1121	0.1905	0.0784
1337	20	Biased	-0.3518	-0.3321	0.0197
1359	30	Biased	0.3073	0.3168	0.0095
1375	30	Unbiased	0.7539	0.7863	0.0324
1398	30	Biased	0.3673	0.3885	0.0212
1401	20	Biased	-0.7041	-0.7028	0.0013
1411	50	Biased	-0.2612	-0.2263	0.0349
1474	50	Biased	-0.1782	-0.1297	0.0485
1500	20	Unbiased	0.4556	0.4843	0.0287
1504	50	Biased	2.7174	2.7976	0.0802
1662	30	Biased	-0.1372	-0.1019	0.0353
1703	30	Biased	-0.0482	-0.0234	0.0248
1736	30	Biased	-0.1657	-0.1489	0.0168
1737	0	Correlation	0.433	0.4344	0.0014
1748	0	Correlation	0.8352	0.8262	-0.009
1794	20	Biased	0.5707	0.5625	-0.0082

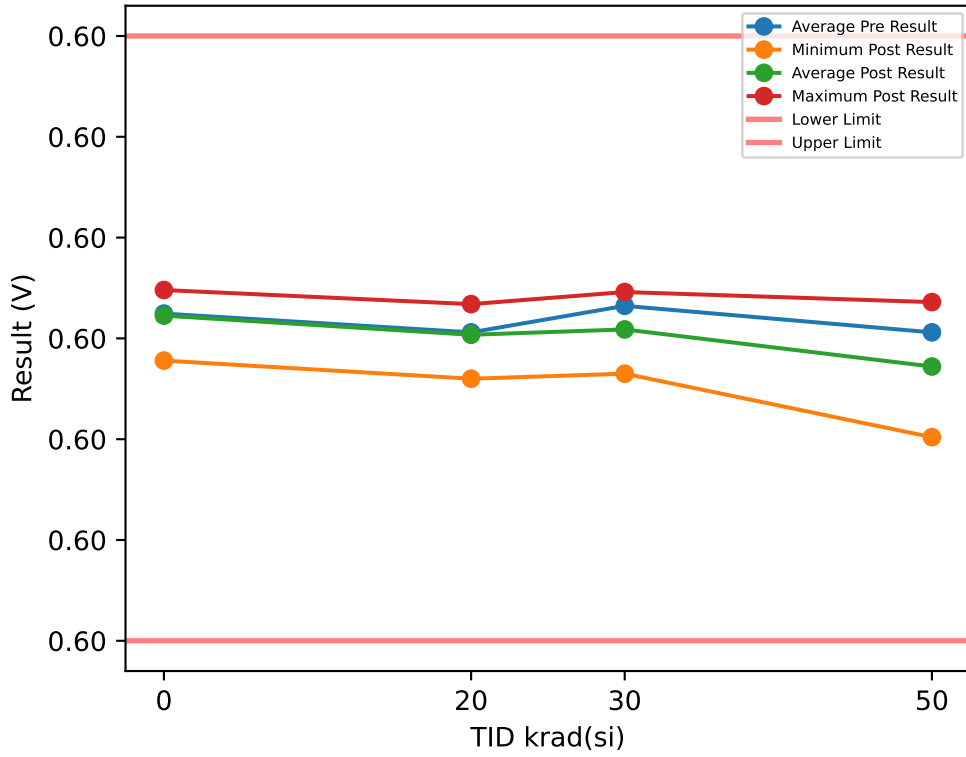
TID vs Post - Pre Exposure Delta



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	0.433	0.65136	0.8352	0.16821	0.4344	0.64472	0.8262	0.16495	-0.011	-0.00664	0.0014	0.0053201
20	-0.7041	0.58581	1.6646	0.79568	-0.7028	0.60049	1.6977	0.8026	-0.0128	0.01468	0.049	0.020006
30	-1.1879	0.05501	0.7539	0.53893	-1.17	0.08492	0.7863	0.54273	0.0095	0.02991	0.0784	0.018999
50	-0.2612	0.6576	2.7174	0.86871	-0.2263	0.73506	2.7976	0.87582	0.0215	0.07746	0.2281	0.062936

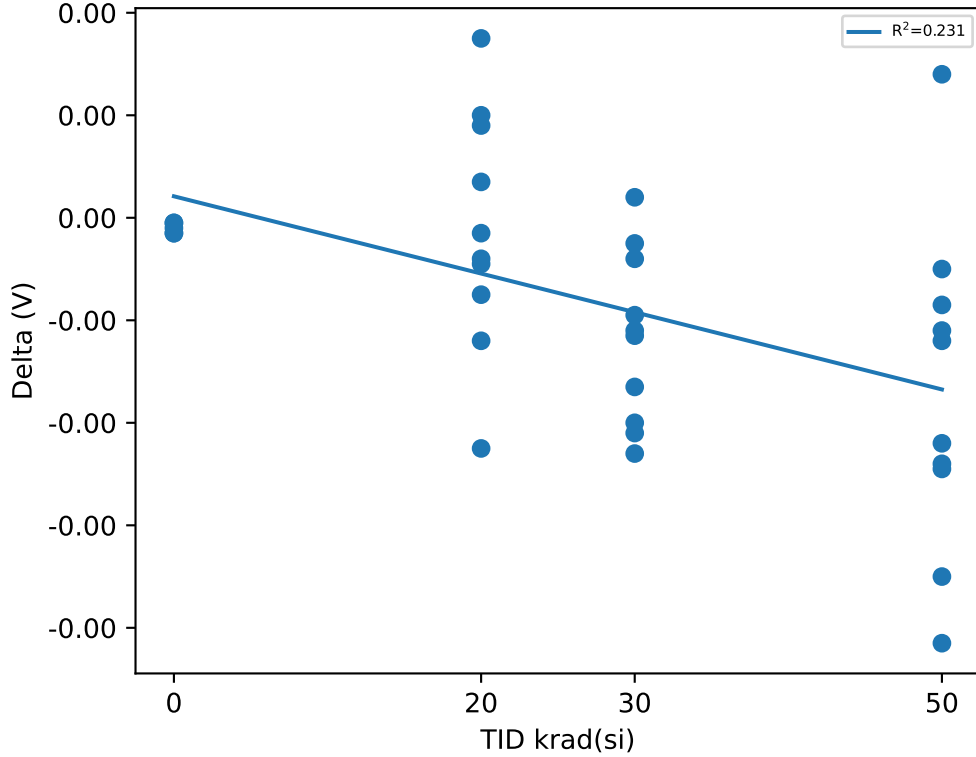
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59984	0.5996	-0.00024
371	20	Unbiased	0.60012	0.60004	-8e-05
383	20	Unbiased	0.60005	0.60023	0.00018
390	50	Unbiased	0.60006	0.59984	-0.00022
444	30	Unbiased	0.60048	0.60043	-5e-05
509	30	Unbiased	0.60054	0.60046	-8e-05
558	0	Correlation	0.60035	0.60032	-3e-05
724	20	Biased	0.60041	0.60026	-0.00015
744	50	Biased	0.59985	0.59968	-0.00017
799	50	Biased	0.59999	0.59989	-0.0001
842	30	Unbiased	0.60035	0.59995	-0.0004
930	50	Unbiased	0.6004	0.59996	-0.00044
964	20	Unbiased	0.60016	0.60023	7e-05
1056	0	Correlation	0.60046	0.60043	-3e-05
1095	50	Unbiased	0.59975	0.59927	-0.00048
1099	0	Correlation	0.60049	0.60048	-1e-05
1215	50	Unbiased	0.60008	0.60036	0.00028
1229	50	Unbiased	0.60042	0.60018	-0.00024
1297	20	Biased	0.59997	0.59994	-3e-05
1331	30	Unbiased	0.60011	0.59965	-0.00046
1337	20	Biased	0.60006	0.59961	-0.00045
1359	30	Biased	0.60007	0.59965	-0.00042
1375	30	Unbiased	0.60043	0.6002	-0.00023
1398	30	Biased	0.60036	0.60003	-0.00033
1401	20	Biased	0.59999	0.60034	0.00035
1411	50	Biased	0.59992	0.59922	-0.0007
1474	50	Biased	0.59985	0.59902	-0.00083
1500	20	Unbiased	0.59999	0.60019	0.0002
1504	50	Biased	0.60028	0.59979	-0.00049
1662	30	Biased	0.6002	0.60024	4e-05
1703	30	Biased	0.60065	0.60046	-0.00019
1736	30	Biased	0.60004	0.59982	-0.00022
1737	0	Correlation	0.60013	0.60012	-1e-05
1748	0	Correlation	0.5998	0.59978	-2e-05
1794	20	Biased	0.60001	0.59992	-9e-05

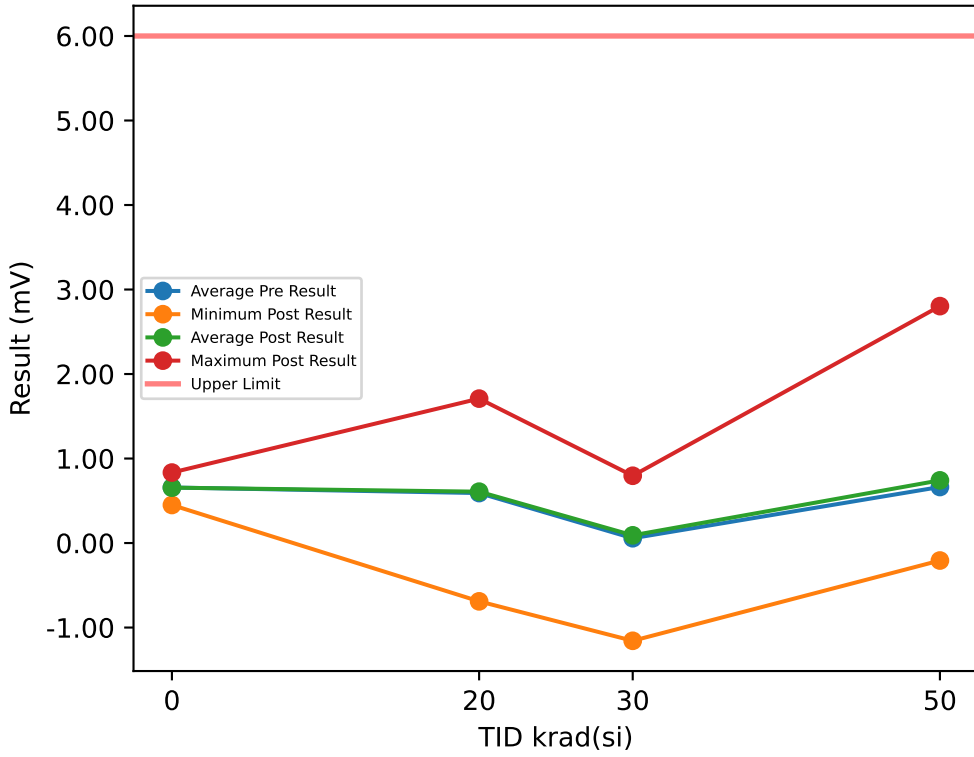
TID vs Post - Pre Exposure Delta



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	0.5998	0.60025	0.60049	0.00028658	0.59978	0.60023	0.60048	0.0002851	-3e-05	-2e-05	-1e-05	1e-05
20	0.59984	0.60006	0.60041	0.00015092	0.5996	0.60004	0.60034	0.0002658	-0.00045	-2.4e-05	0.00035	0.00023382
30	0.60004	0.60032	0.60065	0.00020998	0.59965	0.60009	0.60046	0.00031751	-0.00046	-0.000234	4e-05	0.00016906
50	0.59975	0.60006	0.60042	0.00023636	0.59902	0.59972	0.60036	0.0004309	-0.00083	-0.000339	0.00028	0.00031922

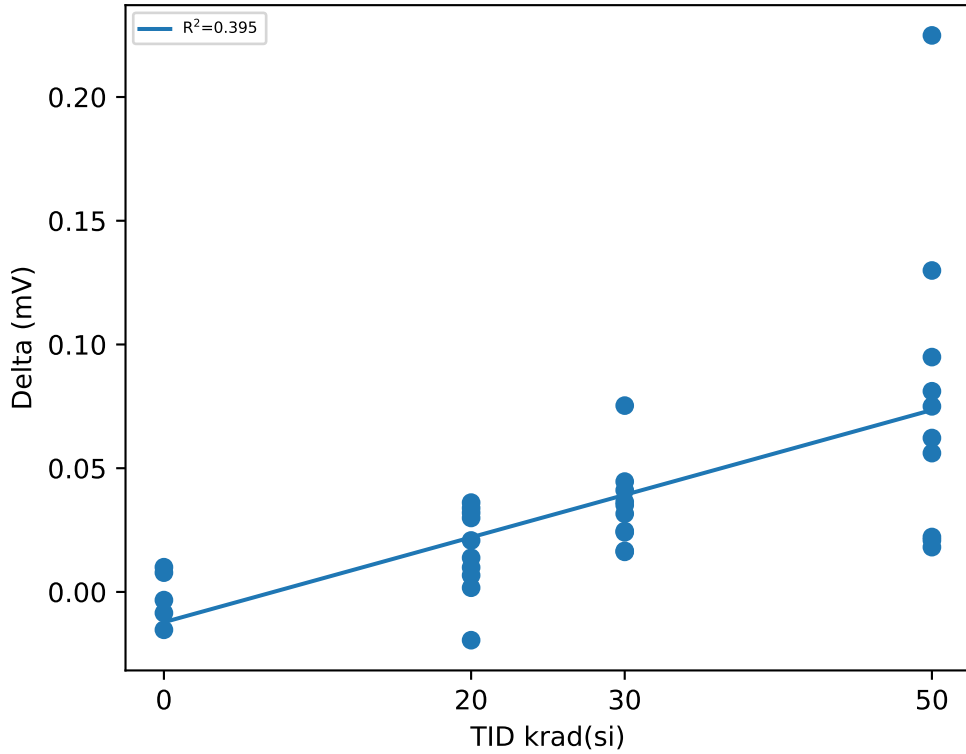
TID vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.6772	1.698	0.0208
371	20	Unbiased	0.5228	0.5589	0.0361
383	20	Unbiased	1.6751	1.709	0.0339
390	50	Unbiased	0.1722	0.2533	0.0811
444	30	Unbiased	-1.1919	-1.1568	0.0351
509	30	Unbiased	-0.063	-0.0314	0.0316
558	0	Correlation	0.7866	0.7713	-0.0153
724	20	Biased	-0.0078	-0.0061	0.0017
744	50	Biased	1.1342	1.1564	0.0222
799	50	Biased	0.848	0.8661	0.0181
842	30	Unbiased	0.6258	0.6424	0.0166
930	50	Unbiased	0.3344	0.5593	0.2249
964	20	Unbiased	1.2269	1.2074	-0.0195
1056	0	Correlation	0.5343	0.5443	0.01
1095	50	Unbiased	0.1479	0.1688	0.0209
1099	0	Correlation	0.6863	0.6778	-0.0085
1215	50	Unbiased	1.0217	1.1516	0.1299
1229	50	Unbiased	0.6912	0.7861	0.0949
1297	20	Biased	0.8512	0.865	0.0138
1331	30	Unbiased	0.1146	0.1899	0.0753
1337	20	Biased	-0.362	-0.3321	0.0299
1359	30	Biased	0.3061	0.3302	0.0241
1375	30	Unbiased	0.7516	0.7962	0.0446
1398	30	Biased	0.3724	0.397	0.0246
1401	20	Biased	-0.6967	-0.69	0.0067
1411	50	Biased	-0.269	-0.2068	0.0622
1474	50	Biased	-0.178	-0.1219	0.0561
1500	20	Unbiased	0.4584	0.4904	0.032
1504	50	Biased	2.7285	2.8035	0.075
1662	30	Biased	-0.1408	-0.0997	0.0411
1703	30	Biased	-0.0448	-0.0084	0.0364
1736	30	Biased	-0.1616	-0.1454	0.0162
1737	0	Correlation	0.4424	0.4502	0.0078
1748	0	Correlation	0.8373	0.834	-0.0033
1794	20	Biased	0.5684	0.5783	0.0099

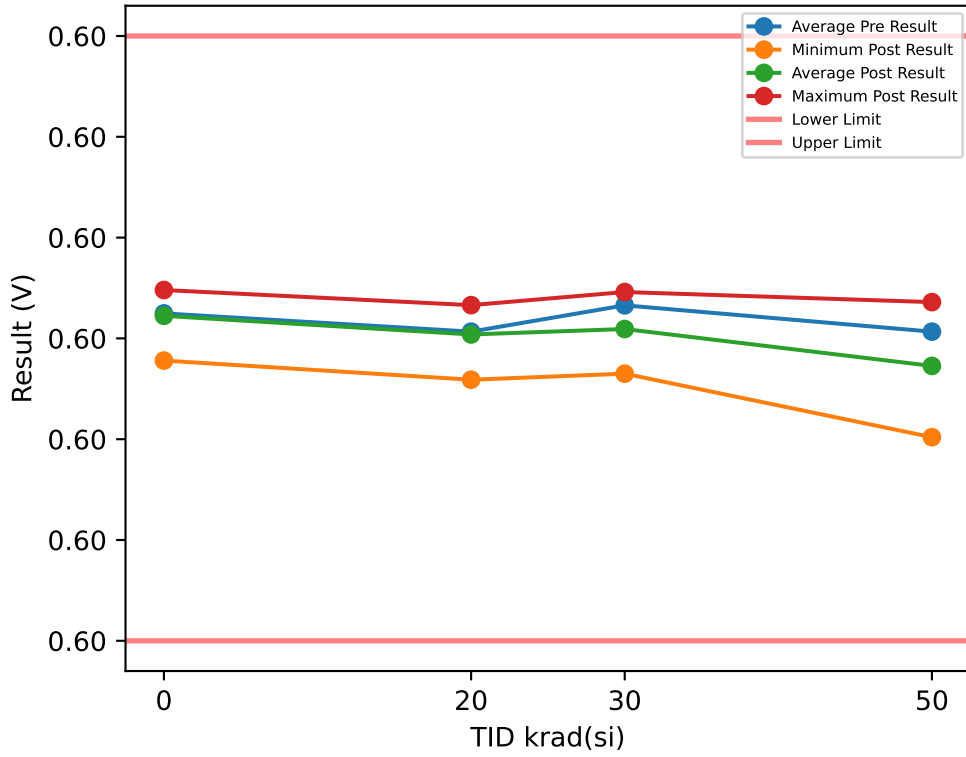
TID vs Post - Pre Exposure Delta



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	0.4424	0.65738	0.8373	0.16679	0.4502	0.65552	0.834	0.15834	-0.0153	-0.00186	0.01	0.010733
20	-0.6967	0.59135	1.6772	0.80103	-0.69	0.60788	1.709	0.80197	-0.0195	0.01653	0.0361	0.017598
30	-1.1919	0.05684	0.7516	0.54184	-1.1568	0.0914	0.7962	0.5412	0.0162	0.03456	0.0753	0.017269
50	-0.269	0.66311	2.7285	0.87191	-0.2068	0.74164	2.8035	0.87267	0.0181	0.07853	0.2249	0.062597

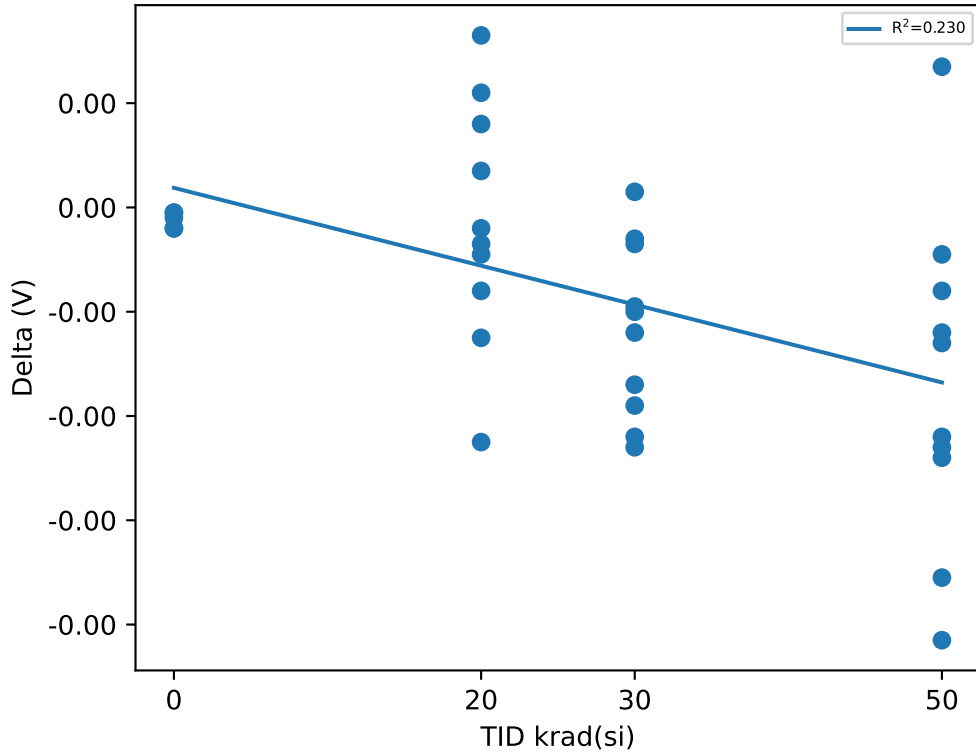
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59984	0.59959	-0.00025
371	20	Unbiased	0.60012	0.60005	-7e-05
383	20	Unbiased	0.60006	0.60022	0.00016
390	50	Unbiased	0.60007	0.59983	-0.00024
444	30	Unbiased	0.60048	0.60042	-6e-05
509	30	Unbiased	0.60053	0.60046	-7e-05
558	0	Correlation	0.60036	0.60032	-4e-05
724	20	Biased	0.60042	0.60026	-0.00016
744	50	Biased	0.59985	0.59969	-0.00016
799	50	Biased	0.59999	0.5999	-9e-05
842	30	Unbiased	0.60035	0.59997	-0.00038
930	50	Unbiased	0.60041	0.59997	-0.00044
964	20	Unbiased	0.60017	0.60024	7e-05
1056	0	Correlation	0.60047	0.60043	-4e-05
1095	50	Unbiased	0.59975	0.59929	-0.00046
1099	0	Correlation	0.60049	0.60048	-1e-05
1215	50	Unbiased	0.60009	0.60036	0.00027
1229	50	Unbiased	0.60044	0.60018	-0.00026
1297	20	Biased	0.59998	0.59994	-4e-05
1331	30	Unbiased	0.60012	0.59966	-0.00046
1337	20	Biased	0.60007	0.59962	-0.00045
1359	30	Biased	0.60009	0.59965	-0.00044
1375	30	Unbiased	0.60044	0.6002	-0.00024
1398	30	Biased	0.60037	0.60003	-0.00034
1401	20	Biased	0.6	0.60033	0.00033
1411	50	Biased	0.59994	0.59923	-0.00071
1474	50	Biased	0.59985	0.59902	-0.00083
1500	20	Unbiased	0.59999	0.60021	0.00022
1504	50	Biased	0.60028	0.5998	-0.00048
1662	30	Biased	0.60021	0.60024	3e-05
1703	30	Biased	0.60065	0.60046	-0.00019
1736	30	Biased	0.60004	0.59984	-0.0002
1737	0	Correlation	0.60012	0.60011	-1e-05
1748	0	Correlation	0.5998	0.59978	-2e-05
1794	20	Biased	0.60002	0.59993	-9e-05

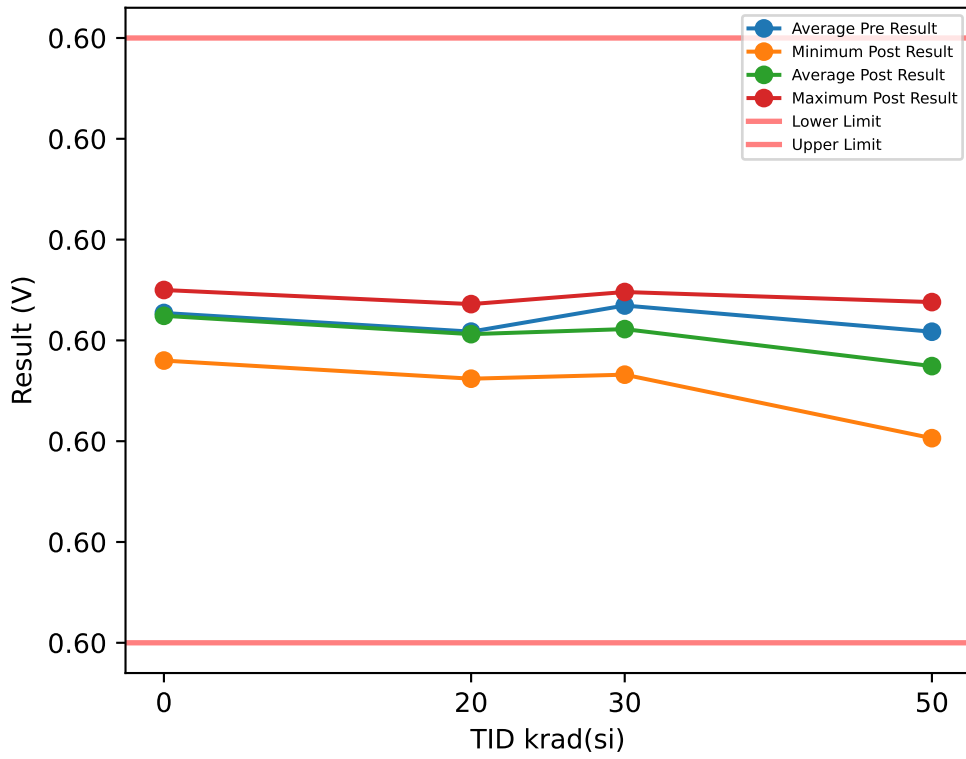
TID vs Post - Pre Exposure Delta



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	0.5998	0.60025	0.60049	0.00029047	0.59978	0.60022	0.60048	0.00028606	-4e-05	-2.4e-05	-1e-05	1.5166e-05
20	0.59984	0.60007	0.60042	0.00015268	0.59959	0.60004	0.60033	0.0002656	-0.00045	-2.8e-05	0.00033	0.00023218
30	0.60004	0.60033	0.60065	0.00020525	0.59965	0.60009	0.60046	0.00031202	-0.00046	-0.000235	3e-05	0.00016867
50	0.59975	0.60007	0.60044	0.00024023	0.59902	0.59973	0.60036	0.00042818	-0.00083	-0.00034	0.00027	0.000317

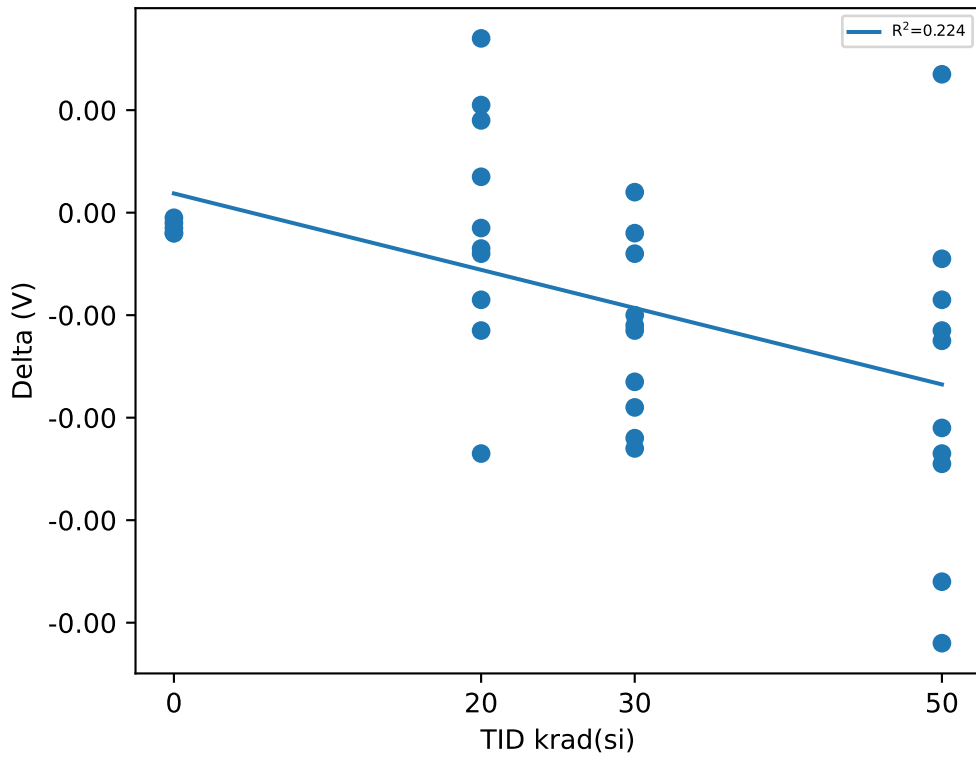
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59985	0.59962	-0.00023
371	20	Unbiased	0.60015	0.60008	-7e-05
383	20	Unbiased	0.60007	0.60025	0.00018
390	50	Unbiased	0.60009	0.59986	-0.00023
444	30	Unbiased	0.60049	0.60045	-4e-05
509	30	Unbiased	0.60056	0.60048	-8e-05
558	0	Correlation	0.60039	0.60035	-4e-05
724	20	Biased	0.60044	0.60027	-0.00017
744	50	Biased	0.59987	0.5997	-0.00017
799	50	Biased	0.60001	0.59992	-9e-05
842	30	Unbiased	0.60037	0.59999	-0.00038
930	50	Unbiased	0.60042	0.6	-0.00042
964	20	Unbiased	0.60019	0.60026	7e-05
1056	0	Correlation	0.60048	0.60044	-4e-05
1095	50	Unbiased	0.59977	0.5993	-0.00047
1099	0	Correlation	0.60052	0.6005	-2e-05
1215	50	Unbiased	0.60011	0.60038	0.00027
1229	50	Unbiased	0.60045	0.6002	-0.00025
1297	20	Biased	0.59999	0.59996	-3e-05
1331	30	Unbiased	0.60014	0.59968	-0.00046
1337	20	Biased	0.60011	0.59964	-0.00047
1359	30	Biased	0.6001	0.59966	-0.00044
1375	30	Unbiased	0.60045	0.60022	-0.00023
1398	30	Biased	0.60039	0.60006	-0.00033
1401	20	Biased	0.60002	0.60036	0.00034
1411	50	Biased	0.59996	0.59924	-0.00072
1474	50	Biased	0.59987	0.59903	-0.00084
1500	20	Unbiased	0.60002	0.60023	0.00021
1504	50	Biased	0.60031	0.59982	-0.00049
1662	30	Biased	0.60022	0.60026	4e-05
1703	30	Biased	0.60067	0.60047	-0.0002
1736	30	Biased	0.60007	0.59985	-0.00022
1737	0	Correlation	0.60014	0.60013	-1e-05
1748	0	Correlation	0.59983	0.5998	-3e-05
1794	20	Biased	0.60003	0.59995	-8e-05

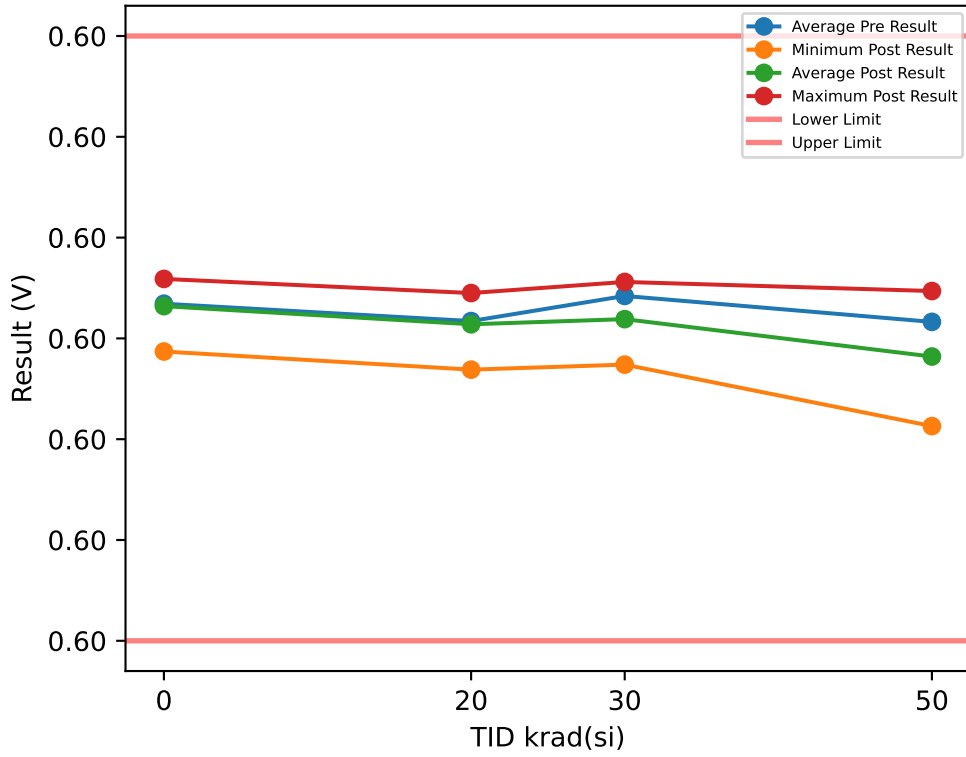
TID vs Post - Pre Exposure Delta



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	0.59983	0.60027	0.60052	0.00028787	0.5998	0.60024	0.6005	0.00028518	-4e-05	-2.8e-05	-1e-05	1.3038e-05
20	0.59985	0.60009	0.60044	0.00015557	0.59962	0.60006	0.60036	0.0002649	-0.00047	-2.5e-05	0.00034	0.00023703
30	0.60007	0.60035	0.60067	0.00020544	0.59966	0.60011	0.60048	0.00031421	-0.00046	-0.000234	4e-05	0.00017057
50	0.59977	0.60009	0.60045	0.00023796	0.59903	0.59974	0.60038	0.00043347	-0.00084	-0.000341	0.00027	0.0003204

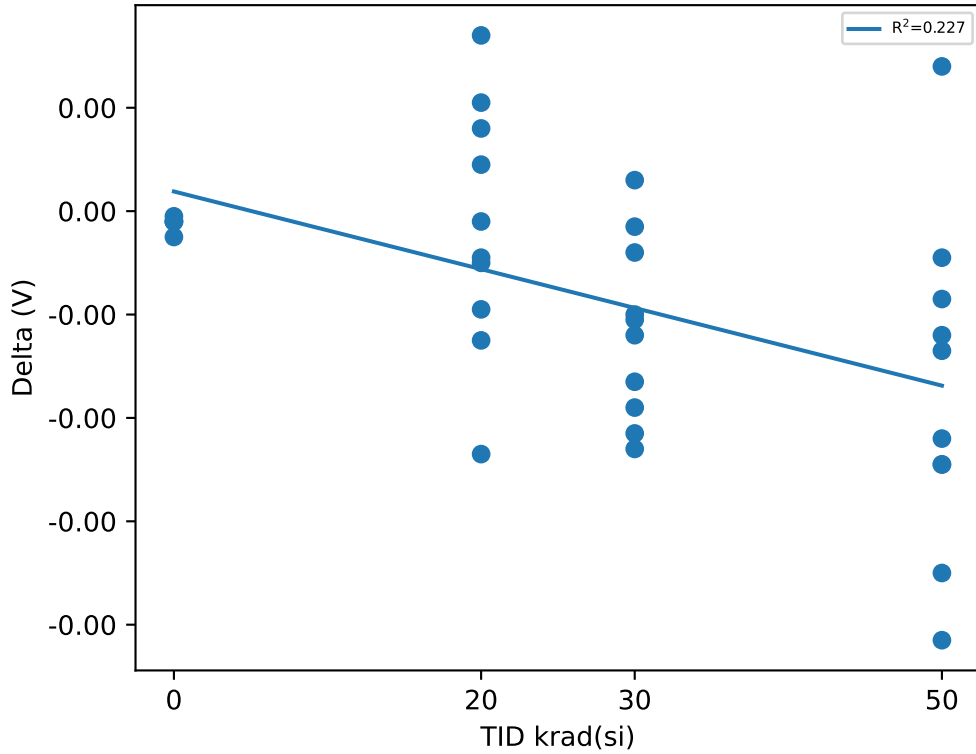
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59994	0.59969	-0.00025
371	20	Unbiased	0.60023	0.60013	-0.0001
383	20	Unbiased	0.60015	0.60031	0.00016
390	50	Unbiased	0.60018	0.59994	-0.00024
444	30	Unbiased	0.60056	0.60053	-3e-05
509	30	Unbiased	0.60064	0.60056	-8e-05
558	0	Correlation	0.60045	0.60043	-2e-05
724	20	Biased	0.60055	0.60036	-0.00019
744	50	Biased	0.59994	0.59977	-0.00017
799	50	Biased	0.60009	0.6	-9e-05
842	30	Unbiased	0.60045	0.60007	-0.00038
930	50	Unbiased	0.60049	0.60005	-0.00044
964	20	Unbiased	0.60027	0.60036	9e-05
1056	0	Correlation	0.60056	0.60051	-5e-05
1095	50	Unbiased	0.59985	0.59936	-0.00049
1099	0	Correlation	0.6006	0.60059	-1e-05
1215	50	Unbiased	0.60019	0.60047	0.00028
1229	50	Unbiased	0.60053	0.60026	-0.00027
1297	20	Biased	0.60006	0.60004	-2e-05
1331	30	Unbiased	0.60022	0.59976	-0.00046
1337	20	Biased	0.60018	0.59971	-0.00047
1359	30	Biased	0.60017	0.59974	-0.00043
1375	30	Unbiased	0.60053	0.60029	-0.00024
1398	30	Biased	0.60047	0.60014	-0.00033
1401	20	Biased	0.60011	0.60045	0.00034
1411	50	Biased	0.60003	0.59933	-0.0007
1474	50	Biased	0.59996	0.59913	-0.00083
1500	20	Unbiased	0.60011	0.60032	0.00021
1504	50	Biased	0.60038	0.59989	-0.00049
1662	30	Biased	0.60029	0.60035	6e-05
1703	30	Biased	0.60075	0.60054	-0.00021
1736	30	Biased	0.60013	0.59993	-0.0002
1737	0	Correlation	0.60022	0.6002	-2e-05
1748	0	Correlation	0.59989	0.59987	-2e-05
1794	20	Biased	0.60012	0.60003	-9e-05

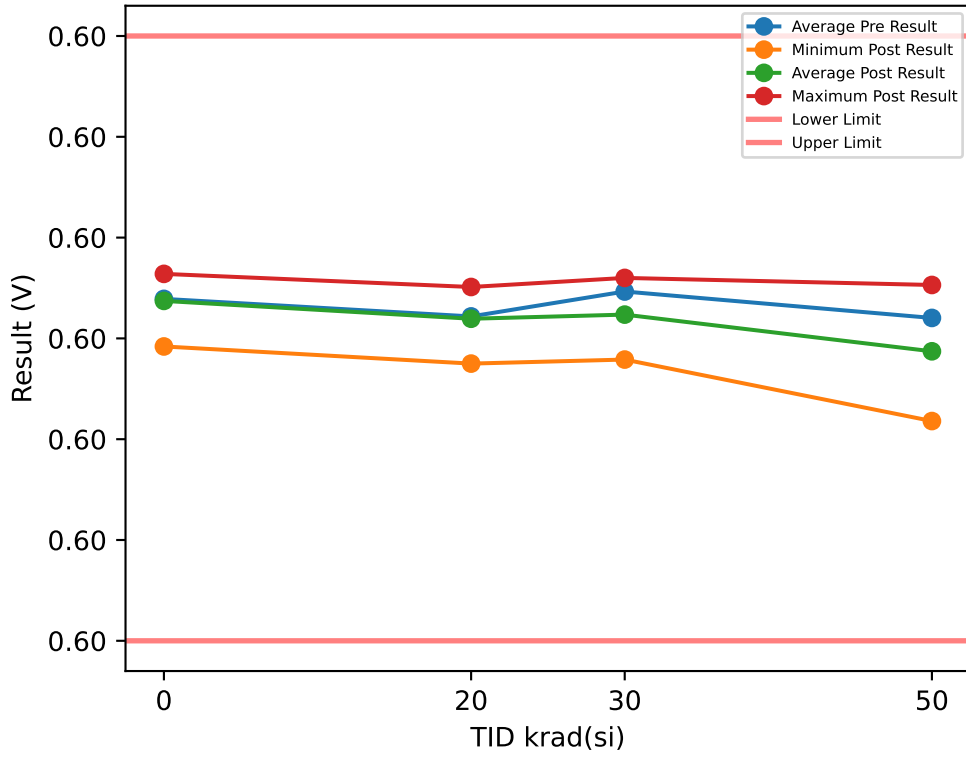
TID vs Post - Pre Exposure Delta



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	0.59989	0.60034	0.6006	0.00029365	0.59987	0.60032	0.60059	0.00029069	-5e-05	-2.4e-05	-1e-05	1.5166e-05
20	0.59994	0.60017	0.60055	0.00016096	0.59969	0.60014	0.60045	0.00027158	-0.00047	-3.2e-05	0.00034	0.00024064
30	0.60013	0.60042	0.60075	0.00020973	0.59974	0.60019	0.60056	0.00031314	-0.00046	-0.00023	6e-05	0.00017429
50	0.59985	0.60016	0.60053	0.00023609	0.59913	0.59982	0.60047	0.0004283	-0.00083	-0.000344	0.00028	0.00031889

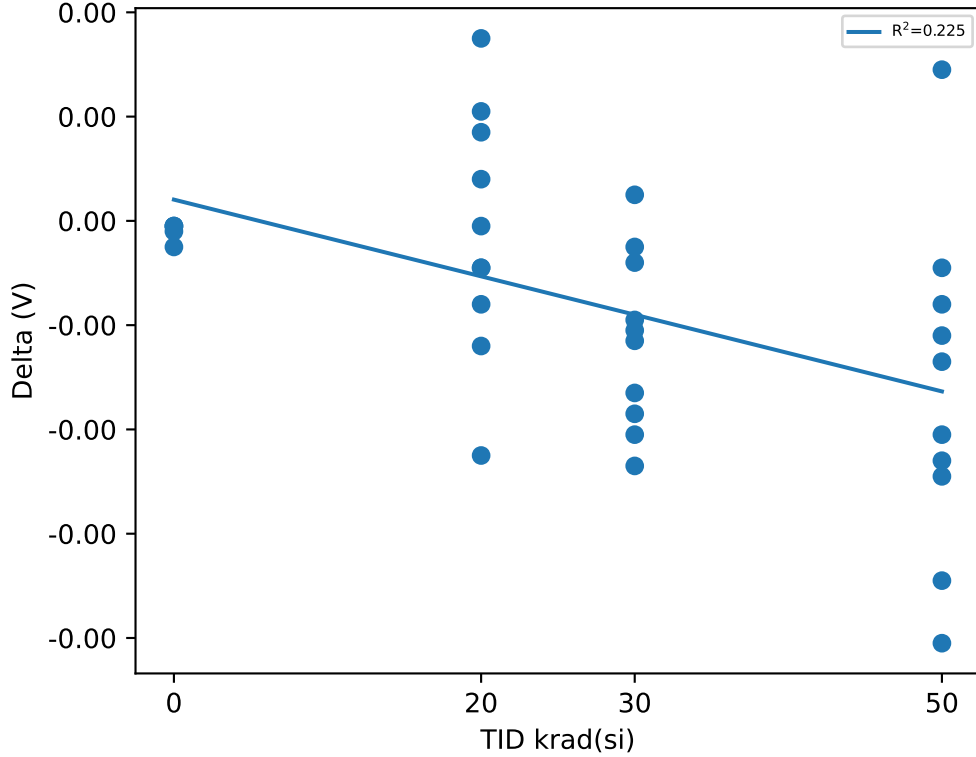
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59999	0.59975	-0.00024
371	20	Unbiased	0.60027	0.60018	-9e-05
383	20	Unbiased	0.60019	0.60036	0.00017
390	50	Unbiased	0.60022	0.6	-0.00022
444	30	Unbiased	0.60062	0.60057	-5e-05
509	30	Unbiased	0.60067	0.60059	-8e-05
558	0	Correlation	0.60049	0.60047	-2e-05
724	20	Biased	0.60059	0.60043	-0.00016
744	50	Biased	0.59997	0.59981	-0.00016
799	50	Biased	0.60013	0.60004	-9e-05
842	30	Unbiased	0.60049	0.60012	-0.00037
930	50	Unbiased	0.60052	0.60011	-0.00041
964	20	Unbiased	0.60033	0.60041	8e-05
1056	0	Correlation	0.60062	0.60057	-5e-05
1095	50	Unbiased	0.5999	0.59941	-0.00049
1099	0	Correlation	0.60065	0.60064	-1e-05
1215	50	Unbiased	0.60024	0.60053	0.00029
1229	50	Unbiased	0.60057	0.6003	-0.00027
1297	20	Biased	0.60011	0.6001	-1e-05
1331	30	Unbiased	0.60028	0.59981	-0.00047
1337	20	Biased	0.60022	0.59977	-0.00045
1359	30	Biased	0.6002	0.59979	-0.00041
1375	30	Unbiased	0.60057	0.60034	-0.00023
1398	30	Biased	0.60052	0.60019	-0.00033
1401	20	Biased	0.60016	0.60051	0.00035
1411	50	Biased	0.60008	0.59939	-0.00069
1474	50	Biased	0.59999	0.59918	-0.00081
1500	20	Unbiased	0.60016	0.60037	0.00021
1504	50	Biased	0.60041	0.59995	-0.00046
1662	30	Biased	0.60033	0.60038	5e-05
1703	30	Biased	0.60079	0.6006	-0.00019
1736	30	Biased	0.60018	0.59997	-0.00021
1737	0	Correlation	0.60027	0.60026	-1e-05
1748	0	Correlation	0.59993	0.59992	-1e-05
1794	20	Biased	0.60016	0.60007	-9e-05

TID vs Post - Pre Exposure Delta

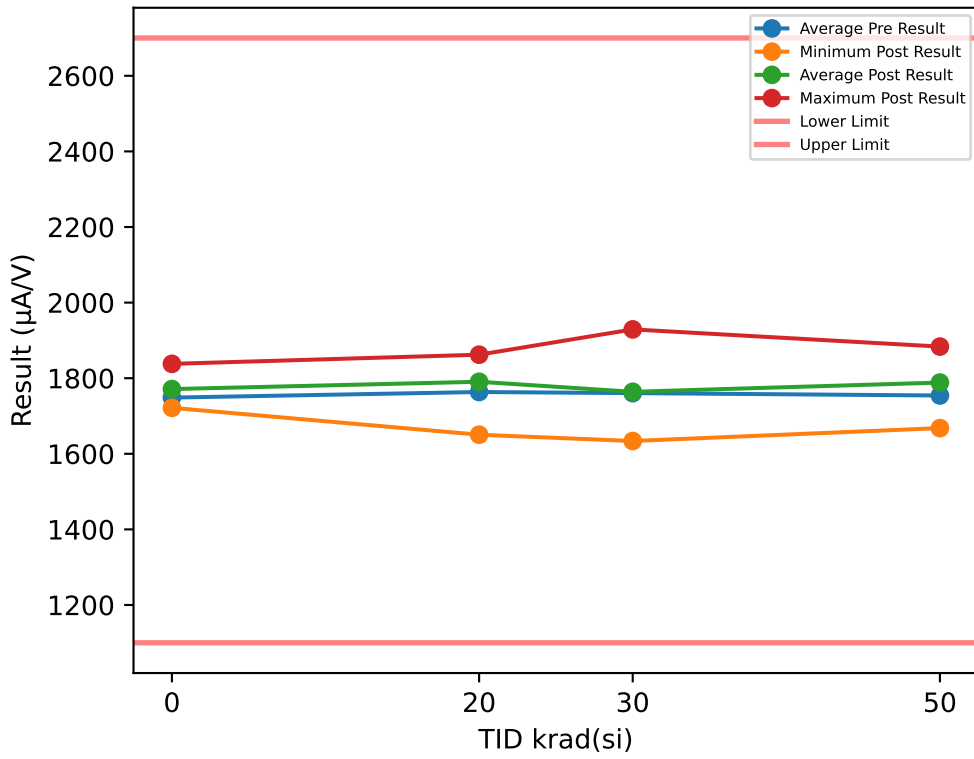


Test Statistics (V)

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	0.59993	0.60039	0.60065	0.00029853	0.59992	0.60037	0.60064	0.00029047	-5e-05	-2e-05	-1e-05	1.7321e-05
20	0.59999	0.60022	0.60059	0.00015922	0.59975	0.6002	0.60051	0.00027122	-0.00045	-2.3e-05	0.00035	0.00023537
30	0.60018	0.60047	0.60079	0.00020823	0.59979	0.60024	0.6006	0.00031049	-0.00047	-0.000229	5e-05	0.00016829
50	0.5999	0.6002	0.60057	0.00023372	0.59918	0.59987	0.60053	0.00042843	-0.00081	-0.000331	0.00029	0.00031543

Device Test: 19.39 LEVEL|TRANSCONDUCTANCE//8/8/0/0/5/500kHz//@EA_GM

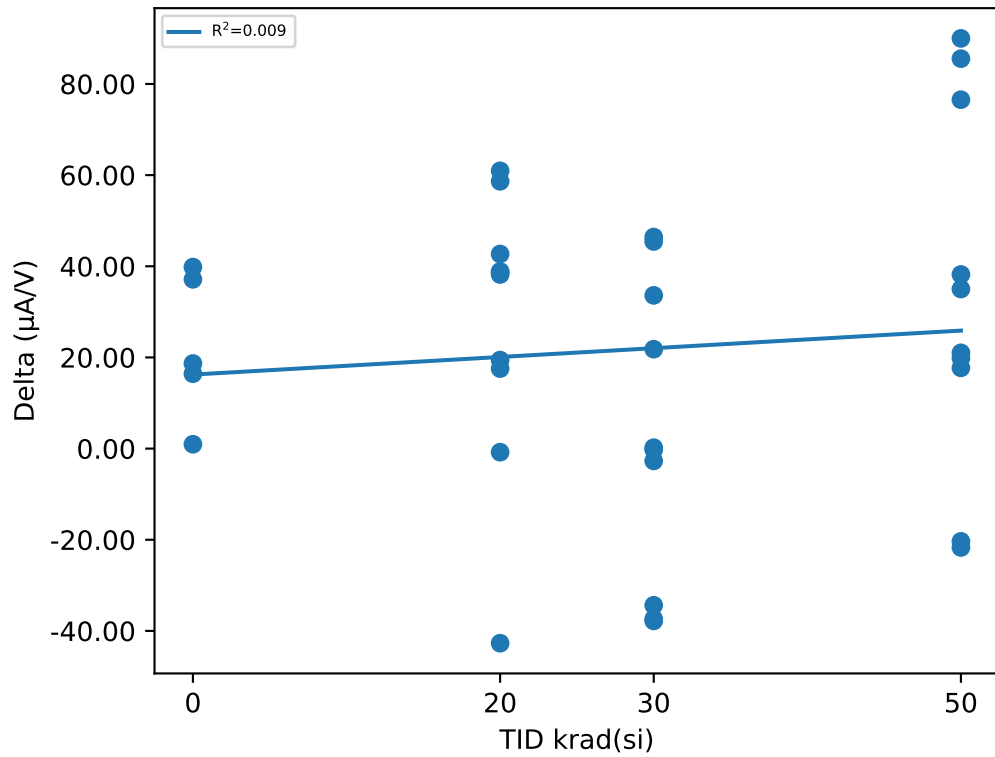
TID vs Result Stats



Test Results (Lower Limit = 1100.0, Upper Limit = 2700.0 (µA/V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1779.4	1798.8	19.422
371	20	Unbiased	1819.5	1862.2	42.693
383	20	Unbiased	1721.7	1759.9	38.196
390	50	Unbiased	1759.3	1779.2	19.851
444	30	Unbiased	1668.2	1633.8	-34.376
509	30	Unbiased	1882.7	1929.1	46.413
558	0	Correlation	1819.3	1838	18.675
724	20	Biased	1758.6	1819.5	60.943
744	50	Biased	1778.9	1817.1	38.205
799	50	Biased	1702.4	1779	76.548
842	30	Unbiased	1740.2	1740.4	0.1986
930	50	Unbiased	1819.3	1840.3	21.014
964	20	Unbiased	1840.2	1839.4	-0.7869
1056	0	Correlation	1740.7	1757.2	16.427
1095	50	Unbiased	1739.4	1757.2	17.717
1099	0	Correlation	1703.2	1740.3	37.136
1215	50	Unbiased	1862.2	1840.5	-21.685
1229	50	Unbiased	1798.1	1883.6	85.554
1297	20	Biased	1740.2	1779.1	38.871
1331	30	Unbiased	1634.2	1667.8	33.619
1337	20	Biased	1740.2	1778.9	38.664
1359	30	Biased	1722	1721.8	-0.2474
1375	30	Unbiased	1740.7	1703.4	-37.38
1398	30	Biased	1759.9	1757.2	-2.7003
1401	20	Biased	1862.2	1819.5	-42.693
1411	50	Biased	1650.5	1740.5	89.995
1474	50	Biased	1632.9	1668	35.009
1500	20	Unbiased	1632.9	1650.5	17.55
1504	50	Biased	1799.4	1779.1	-20.35
1662	30	Biased	1860.8	1906.2	45.446
1703	30	Biased	1818.5	1840.3	21.813
1736	30	Biased	1778.1	1740.3	-37.802
1737	0	Correlation	1720.7	1721.7	0.9535
1748	0	Correlation	1759.3	1799.1	39.827
1794	20	Biased	1739.4	1798.1	58.64

TID vs Post - Pre Exposure Delta

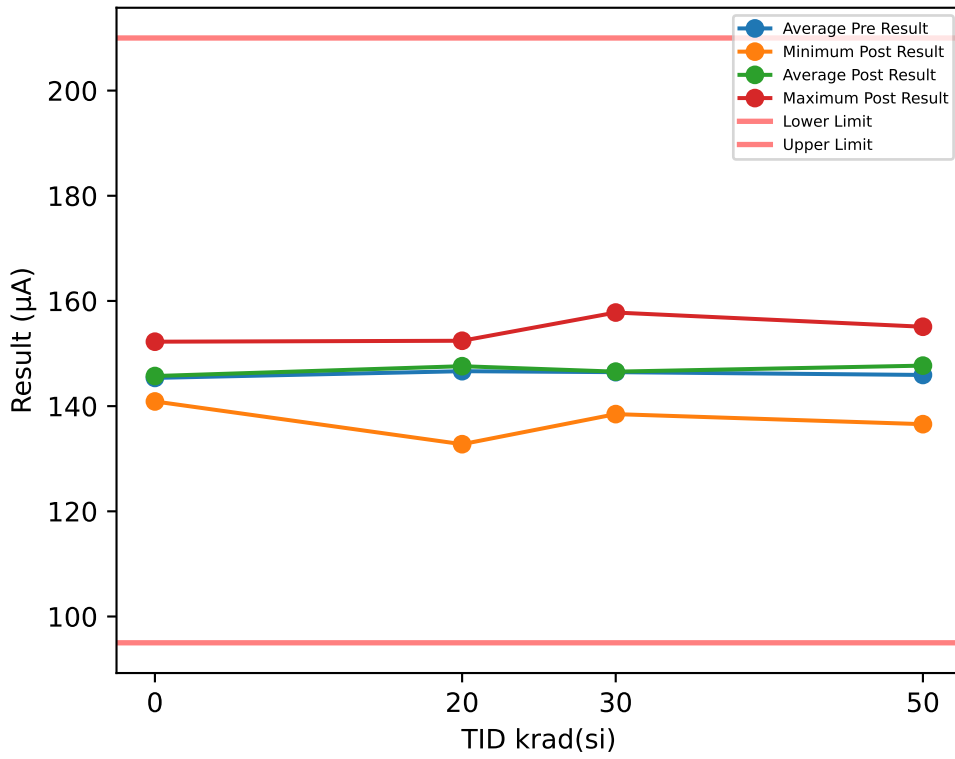


Test Statistics (µA/V)

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	1703.2	1748.6	1819.3	44.763	1721.7	1771.3	1838	47.017	0.9535	22.604	39.827	16.048
20	1632.9	1763.4	1862.2	66.243	1650.5	1790.6	1862.2	57.875	-42.693	27.15	60.943	30.872
30	1634.2	1760.5	1882.7	78.475	1633.8	1764	1929.1	97.833	-37.802	3.4984	46.413	32.861
50	1632.9	1754.2	1862.2	73.681	1668	1788.4	1883.6	60.863	-21.685	34.186	89.995	39.876

Device Test: 19.40 CURRENT|EA_SOURCE//8/8/0/0/5/500kHz//@EA_I_SOURCE

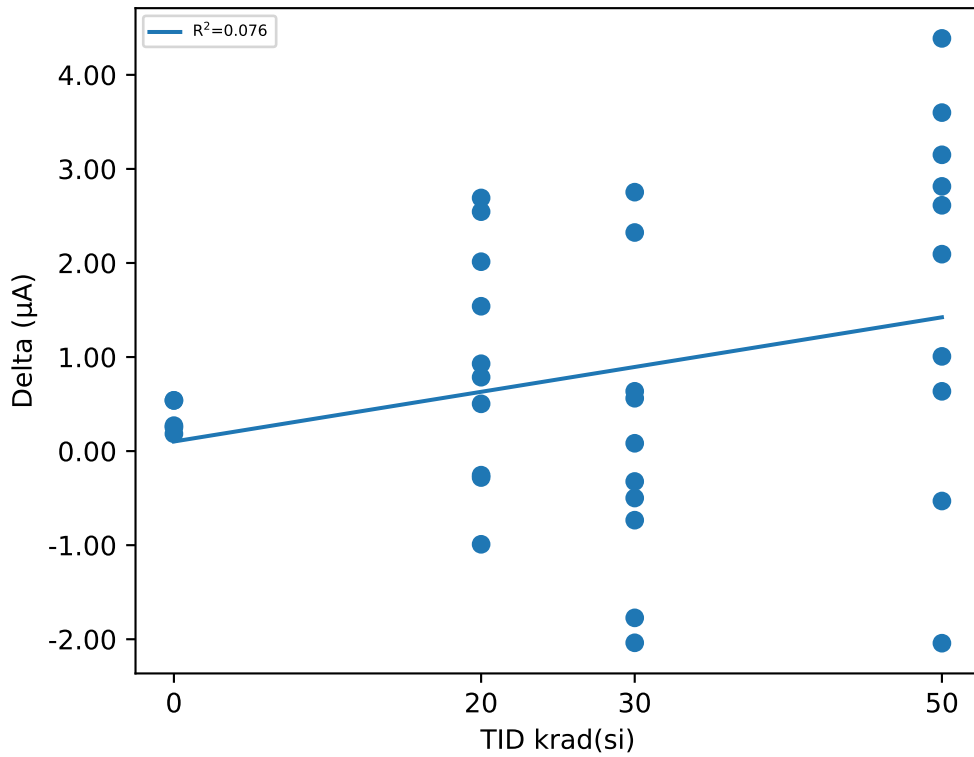
TID vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	148.24	147.25	-0.9907
371	20	Unbiased	150.42	152.43	2.0137
383	20	Unbiased	147.52	148.02	0.5027
390	50	Unbiased	148.66	148.13	-0.5305
444	30	Unbiased	137.85	138.48	0.6359
509	30	Unbiased	157.71	157.8	0.0832
558	0	Correlation	151.71	152.25	0.5402
724	20	Biased	146.78	149.47	2.6914
744	50	Biased	145.8	148.96	3.1501
799	50	Biased	142.38	145.2	2.8144
842	30	Unbiased	143.95	144.51	0.5619
930	50	Unbiased	151.93	154.03	2.0937
964	20	Unbiased	149.51	152.06	2.5456
1056	0	Correlation	144.84	145.09	0.2519
1095	50	Unbiased	146.06	146.69	0.6356
1099	0	Correlation	140.62	140.89	0.2708
1215	50	Unbiased	149.28	152.88	3.5987
1229	50	Unbiased	150.71	155.1	4.3876
1297	20	Biased	147.12	148.05	0.9289
1331	30	Unbiased	139.48	139.16	-0.3228
1337	20	Biased	146.18	147.72	1.54
1359	30	Biased	143.55	145.87	2.3241
1375	30	Unbiased	144.62	143.88	-0.7343
1398	30	Biased	143.55	141.51	-2.0378
1401	20	Biased	151.27	150.98	-0.281
1411	50	Biased	137.41	140.03	2.6132
1474	50	Biased	135.56	136.57	1.0071
1500	20	Unbiased	133.02	132.76	-0.2557
1504	50	Biased	151.49	149.44	-2.0421
1662	30	Biased	156.11	155.61	-0.4989
1703	30	Biased	148.89	151.64	2.7529
1736	30	Biased	148.89	147.11	-1.7727
1737	0	Correlation	141.91	142.09	0.1841
1748	0	Correlation	147.75	148.29	0.5381
1794	20	Biased	146.4	147.19	0.7856

TID vs Post - Pre Exposure Delta

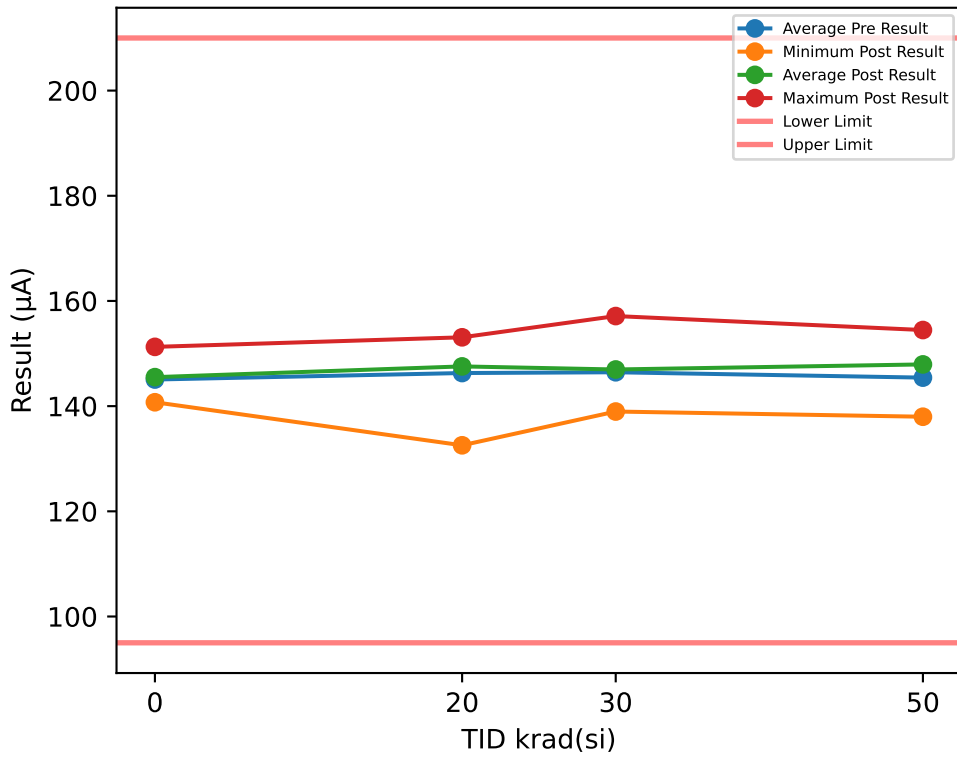


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	140.62	145.37	151.71	4.4928	140.89	145.72	152.25	4.6414	0.1841	0.35702	0.5402	0.16936
20	133.02	146.65	151.27	5.0917	132.76	147.59	152.43	5.568	-0.9907	0.94805	2.6914	1.2481
30	137.85	146.46	157.71	6.5074	138.48	146.56	157.8	6.5969	-2.0378	0.09915	2.7529	1.5562
50	135.56	145.93	151.93	5.7838	136.57	147.7	155.1	5.9291	-2.0421	1.7728	4.3876	1.9917

Device Test: 19.41 CURRENT|EA_SINK//8/8/0/0/5/500kHz//@EA_I_SINK

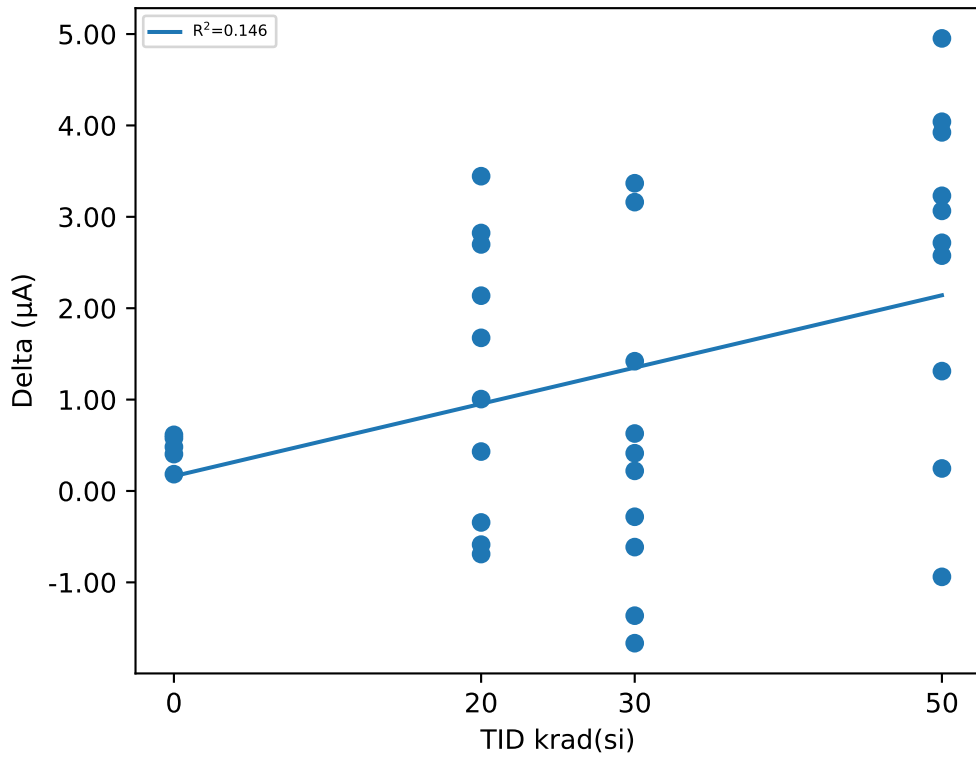
TID vs Result Stats



Test Results (Lower Limit = 95.0, Upper Limit = 210.0 (µA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	147.51	146.82	-0.6902
371	20	Unbiased	150.39	153.09	2.6979
383	20	Unbiased	146.04	146.47	0.4314
390	50	Unbiased	147.8	148.04	0.2464
444	30	Unbiased	138.34	138.97	0.6288
509	30	Unbiased	156.71	157.13	0.4131
558	0	Correlation	150.66	151.27	0.6143
724	20	Biased	146.25	149.7	3.4446
744	50	Biased	145.69	149.73	4.0406
799	50	Biased	142.17	145.23	3.0652
842	30	Unbiased	143.43	144.85	1.4199
930	50	Unbiased	150.47	153.18	2.716
964	20	Unbiased	147.83	150.65	2.8231
1056	0	Correlation	145.02	145.21	0.1839
1095	50	Unbiased	147.04	148.35	1.3116
1099	0	Correlation	140.16	140.74	0.5789
1215	50	Unbiased	148.74	151.97	3.2301
1229	50	Unbiased	149.52	154.47	4.9525
1297	20	Biased	146.29	147.96	1.6757
1331	30	Unbiased	140.05	140.27	0.2201
1337	20	Biased	147.32	149.46	2.1371
1359	30	Biased	143.89	147.26	3.3674
1375	30	Unbiased	144.55	143.94	-0.6142
1398	30	Biased	143.67	142	-1.6657
1401	20	Biased	152.17	151.59	-0.587
1411	50	Biased	138.96	142.89	3.9241
1474	50	Biased	135.41	137.99	2.5752
1500	20	Unbiased	132.9	132.55	-0.3443
1504	50	Biased	148.43	147.49	-0.9397
1662	30	Biased	156.59	156.31	-0.2821
1703	30	Biased	148.01	151.17	3.1608
1736	30	Biased	149.17	147.81	-1.3645
1737	0	Correlation	141.51	141.99	0.4822
1748	0	Correlation	147.95	148.36	0.4035
1794	20	Biased	146.25	147.26	1.0055

TID vs Post - Pre Exposure Delta

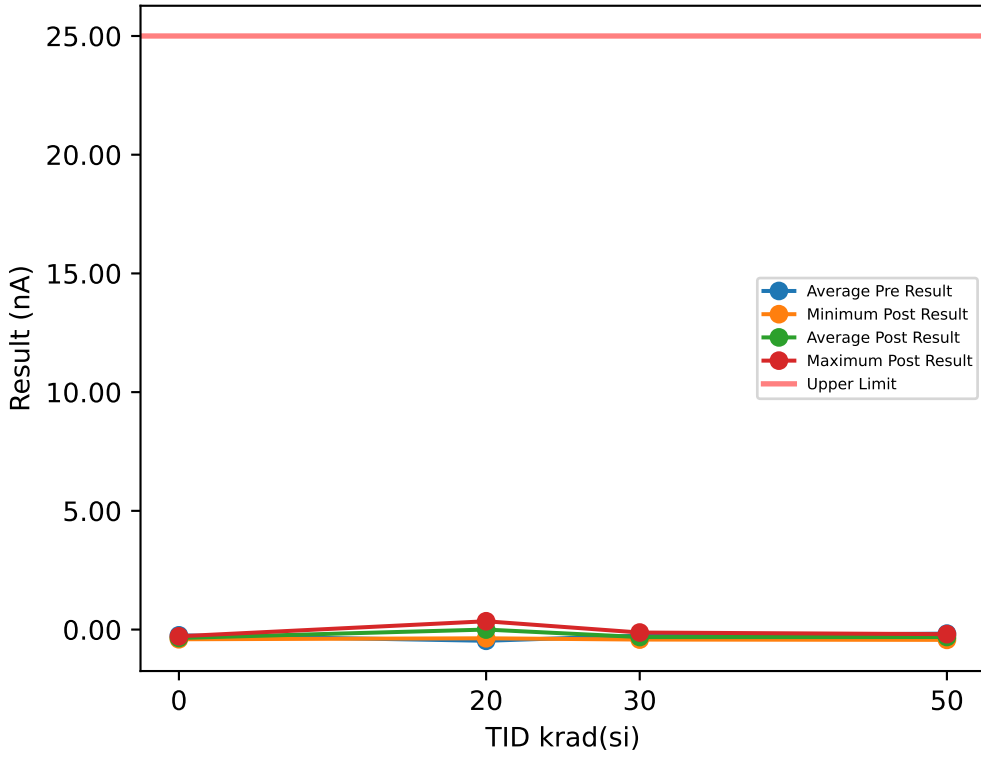


Test Statistics (µA)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	140.16	145.06	150.66	4.3683	140.74	145.51	151.27	4.3744	0.1839	0.45256	0.6143	0.17145
20	132.9	146.3	152.17	5.1183	132.55	147.55	153.09	5.6929	-0.6902	1.2594	3.4446	1.519
30	138.34	146.44	156.71	6.2516	138.97	146.97	157.13	6.2898	-1.6657	0.52836	3.3674	1.7082
50	135.41	145.42	150.47	4.9788	137.99	147.93	154.47	4.9656	-0.9397	2.5122	4.9525	1.8148

Device Test: 19.42 CURRENT|EA//8/8/0/0/5/500kHz//@EA_IB

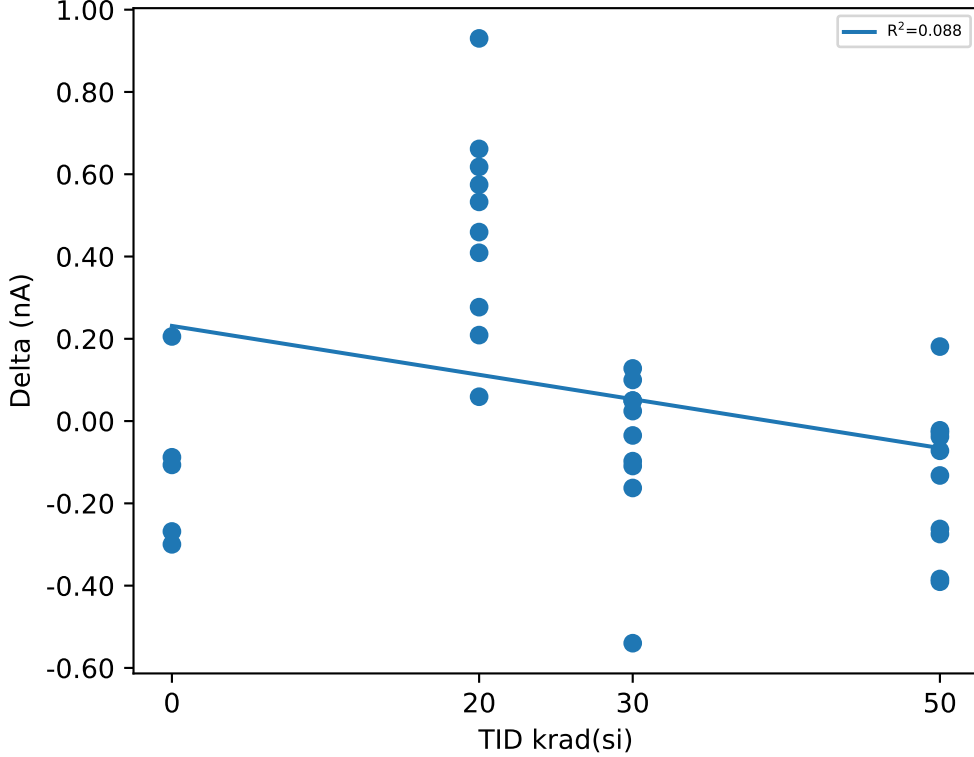
TID vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.3121	0.3495	0.6616
371	20	Unbiased	-0.4653	-0.0562	0.4091
383	20	Unbiased	-0.5059	0.0687	0.5746
390	50	Unbiased	0.0593	-0.3245	-0.3838
444	30	Unbiased	-0.4183	-0.3183	0.1
509	30	Unbiased	-0.2771	-0.3745	-0.0974
558	0	Correlation	-0.2746	-0.3811	-0.1065
724	20	Biased	-0.3799	-0.103	0.2769
744	50	Biased	-0.0437	-0.4342	-0.3905
799	50	Biased	-0.2522	-0.2746	-0.0224
842	30	Unbiased	0.1186	-0.4213	-0.5399
930	50	Unbiased	0.0062	-0.2684	-0.2746
964	20	Unbiased	-0.7832	-0.3238	0.4594
1056	0	Correlation	-0.6149	-0.4092	0.2057
1095	50	Unbiased	-0.2958	-0.428	-0.1322
1099	0	Correlation	0.0156	-0.284	-0.2996
1215	50	Unbiased	-0.4838	-0.3027	0.1811
1229	50	Unbiased	-0.2024	-0.2403	-0.0379
1297	20	Biased	-0.2933	-0.0843	0.209
1331	30	Unbiased	-0.1748	-0.1248	0.05
1337	20	Biased	-0.3277	0.2902	0.6179
1359	30	Biased	-0.4463	-0.3183	0.128
1375	30	Unbiased	-0.2341	-0.3433	-0.1092
1398	30	Biased	-0.4713	-0.4217	0.0496
1401	20	Biased	-0.8771	0.0531	0.9302
1411	50	Biased	0.0687	-0.1935	-0.2622
1474	50	Biased	-0.2273	-0.2995	-0.0722
1500	20	Unbiased	-0.3612	0.1716	0.5328
1504	50	Biased	-0.3402	-0.3682	-0.028
1662	30	Biased	-0.2397	-0.2746	-0.0349
1703	30	Biased	-0.137	-0.2996	-0.1626
1736	30	Biased	-0.2833	-0.259	0.0243
1737	0	Correlation	-0.2802	-0.3682	-0.088
1748	0	Correlation	-0.0593	-0.3276	-0.2683
1794	20	Biased	-0.4266	-0.3674	0.0592

TID vs Post - Pre Exposure Delta

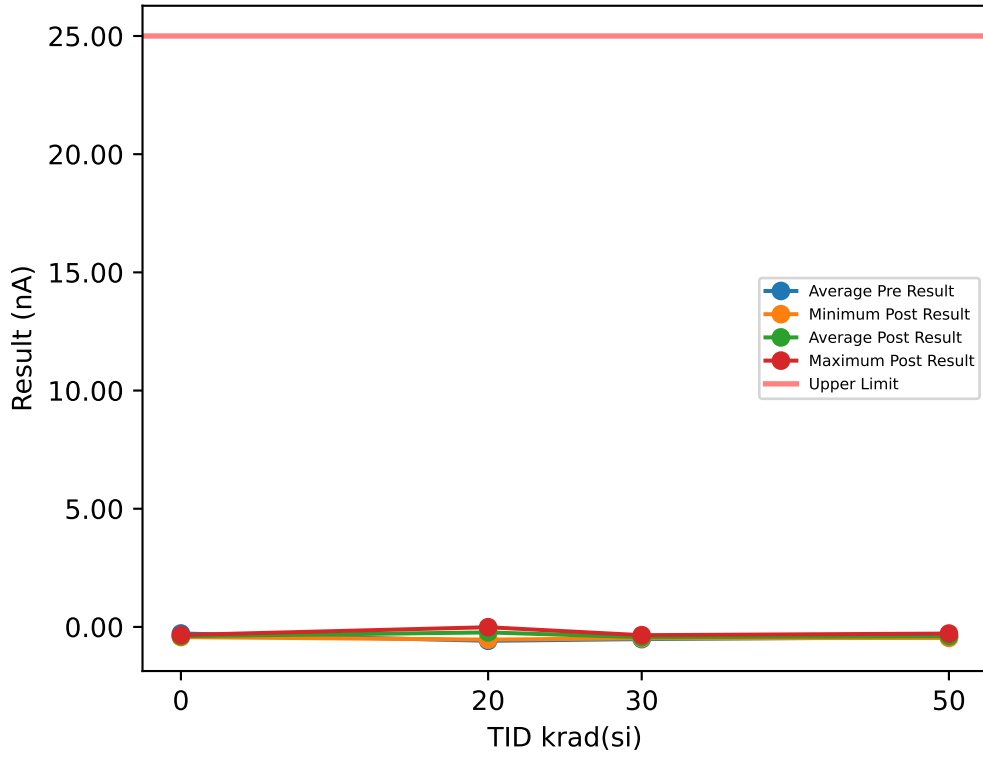


Test Statistics (nA)

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	-0.6149	-0.24268	0.0156	0.24562	-0.4092	-0.35402	-0.284	0.048939	-0.2996	-0.11134	0.2057	0.20072
20	-0.8771	-0.47323	-0.2933	0.20091	-0.3674	-0.00016	0.3495	0.23666	0.0592	0.47307	0.9302	0.25014
30	-0.4713	-0.25633	0.1186	0.17382	-0.4217	-0.31554	-0.1248	0.087067	-0.5399	-0.05921	0.128	0.19363
50	-0.4838	-0.17112	0.0687	0.18586	-0.4342	-0.31339	-0.1935	0.077753	-0.3905	-0.14227	0.1811	0.1825

Device Test: 19.43 CURRENT|EA//8/8/0/0/5/100kHz//@EA_IB

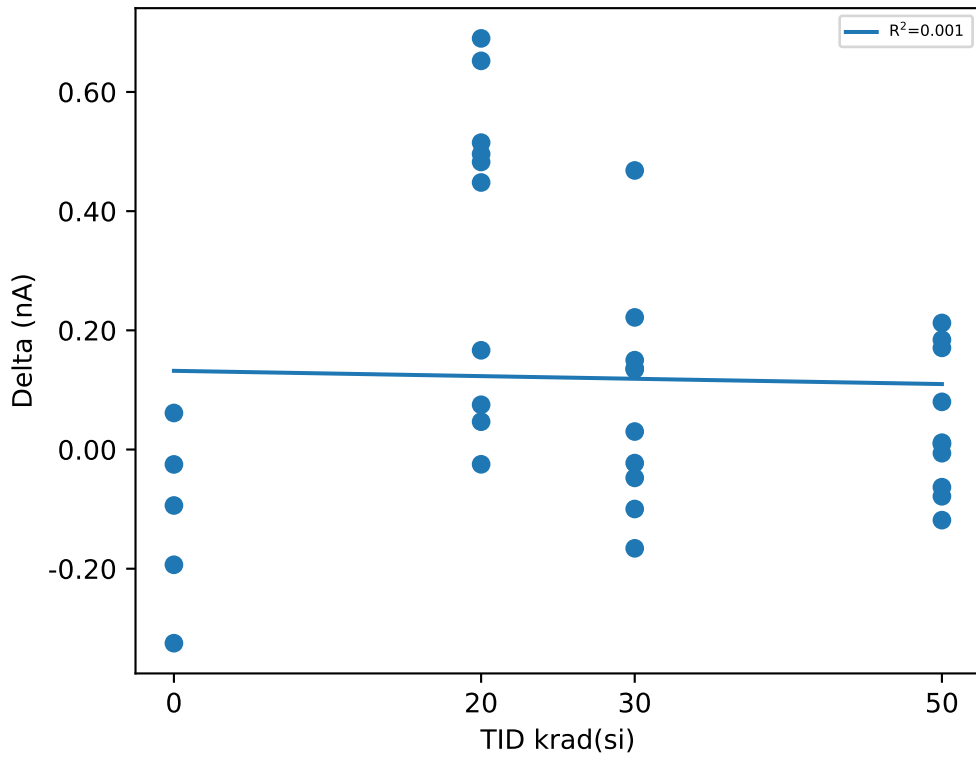
TID vs Result Stats



Test Results (Upper Limit = 25.0 (nA))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	-0.7117	-0.0218	0.6899
371	20	Unbiased	-0.5308	-0.4557	0.0751
383	20	Unbiased	-0.5121	-0.5369	-0.0248
390	50	Unbiased	-0.3464	-0.4649	-0.1185
444	30	Unbiased	-0.7023	-0.4806	0.2217
509	30	Unbiased	-0.383	-0.4306	-0.0476
558	0	Correlation	-0.0811	-0.4061	-0.325
724	20	Biased	-0.5106	-0.0625	0.4481
744	50	Biased	-0.3557	-0.4342	-0.0785
799	50	Biased	-0.33	-0.3932	-0.0632
842	30	Unbiased	-0.3495	-0.4493	-0.0998
930	50	Unbiased	-0.4119	-0.4026	0.0093
964	20	Unbiased	-0.6678	-0.5013	0.1665
1056	0	Correlation	-0.3153	-0.4092	-0.0939
1095	50	Unbiased	-0.3612	-0.2812	0.08
1099	0	Correlation	-0.3183	-0.3433	-0.025
1215	50	Unbiased	-0.5681	-0.3838	0.1843
1229	50	Unbiased	-0.4608	-0.2902	0.1706
1297	20	Biased	-0.6147	-0.1187	0.496
1331	30	Unbiased	-0.8771	-0.4088	0.4683
1337	20	Biased	-0.6647	-0.0125	0.6522
1359	30	Biased	-0.6055	-0.4556	0.1499
1375	30	Unbiased	-0.5962	-0.4618	0.1344
1398	30	Biased	-0.3153	-0.4811	-0.1658
1401	20	Biased	-0.643	-0.128	0.515
1411	50	Biased	-0.4275	-0.4337	-0.0062
1474	50	Biased	-0.4515	-0.44	0.0115
1500	20	Unbiased	-0.5262	-0.0437	0.4825
1504	50	Biased	-0.6087	-0.3963	0.2124
1662	30	Biased	-0.4421	-0.4119	0.0302
1703	30	Biased	-0.3985	-0.4213	-0.0228
1736	30	Biased	-0.4857	-0.3495	0.1362
1737	0	Correlation	-0.4919	-0.4306	0.0613
1748	0	Correlation	-0.181	-0.3744	-0.1934
1794	20	Biased	-0.4888	-0.4421	0.0467

TID vs Post - Pre Exposure Delta

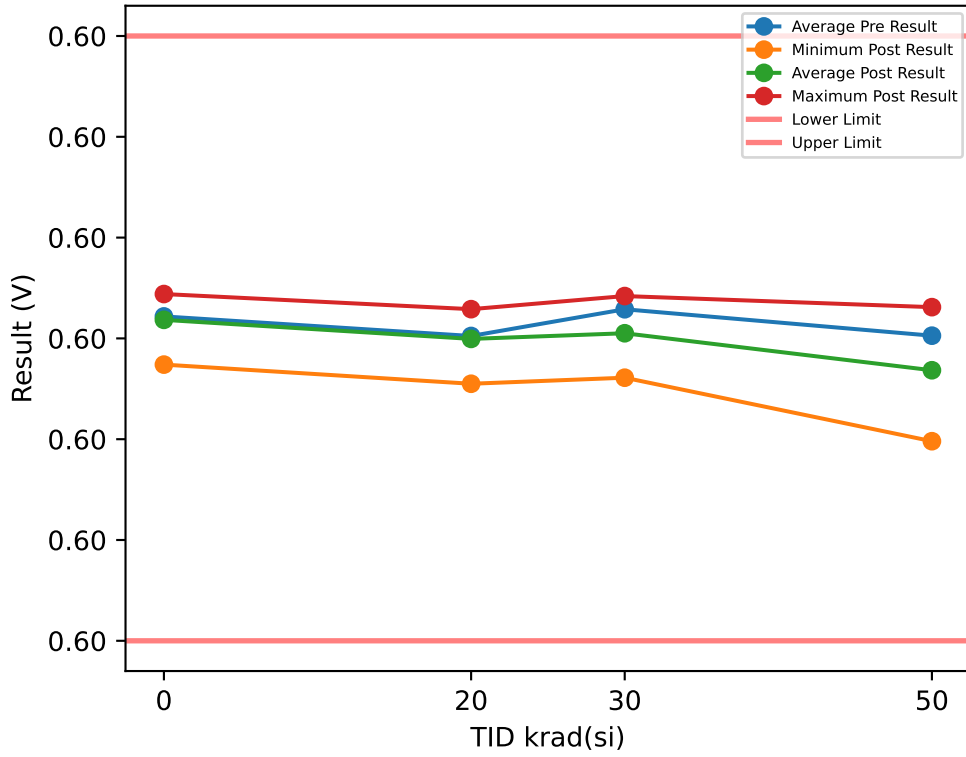


Test Statistics (nA)

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	-0.4919	-0.27752	-0.0811	0.15568	-0.4306	-0.39272	-0.3433	0.034145	-0.325	-0.1152	0.0613	0.14989
20	-0.7117	-0.58704	-0.4888	0.081626	-0.5369	-0.23232	-0.0125	0.22108	-0.0248	0.35472	0.6899	0.26333
30	-0.8771	-0.51552	-0.3153	0.17808	-0.4811	-0.43505	-0.3495	0.039846	-0.1658	0.08047	0.4683	0.18377
50	-0.6087	-0.43218	-0.33	0.094249	-0.4649	-0.39201	-0.2812	0.061443	-0.1185	0.04017	0.2124	0.11686

Device Test: 19.44 VOLTAGE|VREF//8/8/0/0/5/100kHz//@VREF_25C

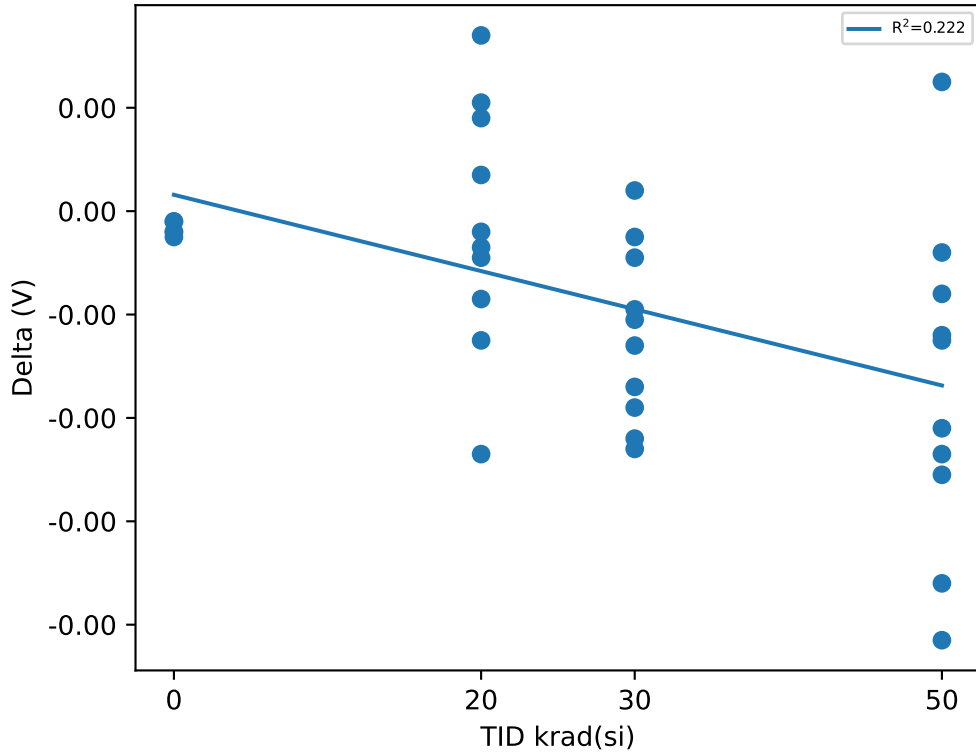
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.5998	0.59955	-0.00025
371	20	Unbiased	0.60008	0.60001	-7e-05
383	20	Unbiased	0.60001	0.60019	0.00018
390	50	Unbiased	0.60004	0.59979	-0.00025
444	30	Unbiased	0.60044	0.60039	-5e-05
509	30	Unbiased	0.6005	0.60041	-9e-05
558	0	Correlation	0.60033	0.60029	-4e-05
724	20	Biased	0.60037	0.6002	-0.00017
744	50	Biased	0.59981	0.59965	-0.00016
799	50	Biased	0.59994	0.59986	-8e-05
842	30	Unbiased	0.6003	0.59992	-0.00038
930	50	Unbiased	0.60036	0.59994	-0.00042
964	20	Unbiased	0.60013	0.6002	7e-05
1056	0	Correlation	0.60043	0.60038	-5e-05
1095	50	Unbiased	0.59971	0.59924	-0.00047
1099	0	Correlation	0.60046	0.60044	-2e-05
1215	50	Unbiased	0.60006	0.60031	0.00025
1229	50	Unbiased	0.60039	0.60015	-0.00024
1297	20	Biased	0.59994	0.5999	-4e-05
1331	30	Unbiased	0.60008	0.59962	-0.00046
1337	20	Biased	0.60004	0.59957	-0.00047
1359	30	Biased	0.60005	0.59961	-0.00044
1375	30	Unbiased	0.60042	0.60016	-0.00026
1398	30	Biased	0.60033	0.59999	-0.00034
1401	20	Biased	0.59995	0.60029	0.00034
1411	50	Biased	0.59989	0.59917	-0.00072
1474	50	Biased	0.59981	0.59898	-0.00083
1500	20	Unbiased	0.59995	0.60016	0.00021
1504	50	Biased	0.60026	0.59975	-0.00051
1662	30	Biased	0.60016	0.6002	4e-05
1703	30	Biased	0.60061	0.60042	-0.00019
1736	30	Biased	0.6	0.59979	-0.00021
1737	0	Correlation	0.60009	0.60007	-2e-05
1748	0	Correlation	0.59978	0.59974	-4e-05
1794	20	Biased	0.59997	0.59988	-9e-05

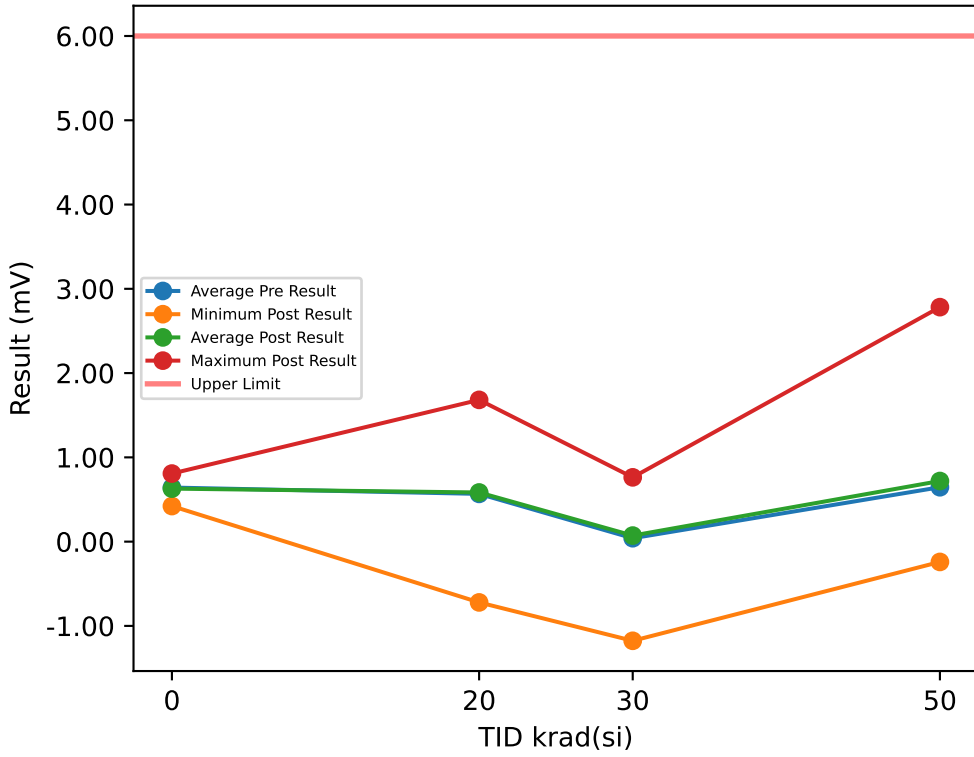
TID vs Post - Pre Exposure Delta



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	0.59978	0.60022	0.60046	0.00028473	0.59974	0.60018	0.60044	0.00028518	-5e-05	-3.4e-05	-2e-05	1.3416e-05
20	0.5998	0.60002	0.60037	0.00015116	0.59955	0.6	0.60029	0.00026613	-0.00047	-2.9e-05	0.00034	0.00023933
30	0.6	0.60029	0.60061	0.00020824	0.59961	0.60005	0.60042	0.00031328	-0.00046	-0.000238	4e-05	0.00016956
50	0.59971	0.60003	0.60039	0.00024019	0.59898	0.59968	0.60031	0.00043195	-0.00083	-0.000343	0.00025	0.00031672

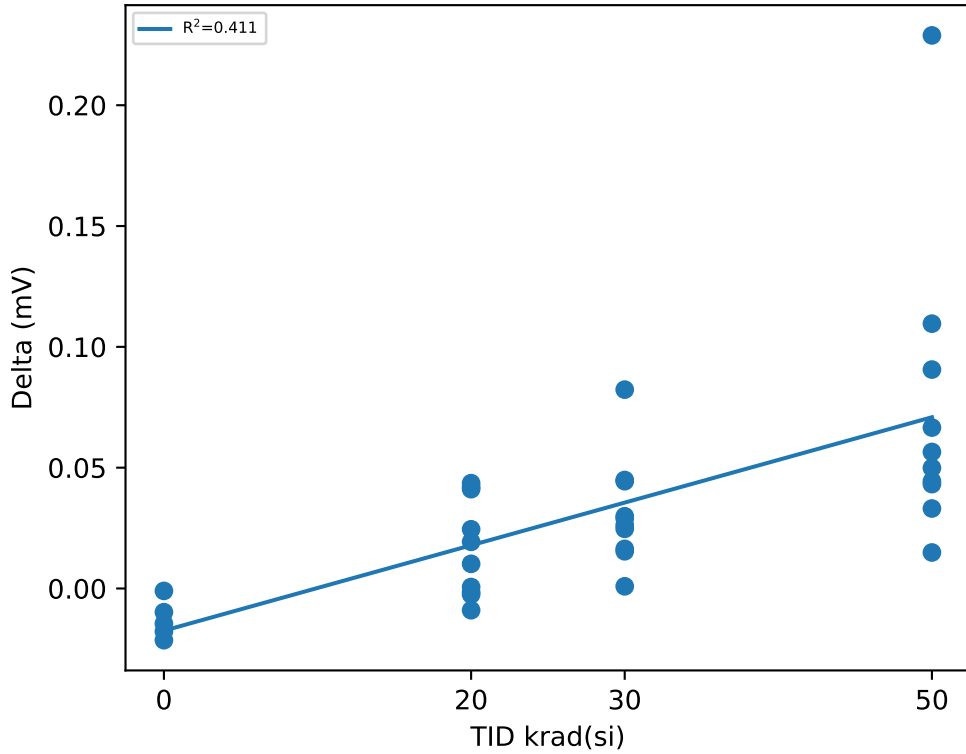
TID vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.6522	1.6715	0.0193
371	20	Unbiased	0.4893	0.5313	0.042
383	20	Unbiased	1.6386	1.6822	0.0436
390	50	Unbiased	0.1745	0.2244	0.0499
444	30	Unbiased	-1.2029	-1.1767	0.0262
509	30	Unbiased	-0.0772	-0.0482	0.029
558	0	Correlation	0.7776	0.7562	-0.0214
724	20	Biased	-0.033	-0.0355	-0.0025
744	50	Biased	1.1061	1.1493	0.0432
799	50	Biased	0.819	0.8521	0.0331
842	30	Unbiased	0.5889	0.6136	0.0247
930	50	Unbiased	0.3124	0.5413	0.2289
964	20	Unbiased	1.2052	1.1962	-0.009
1056	0	Correlation	0.517	0.5025	-0.0145
1095	50	Unbiased	0.123	0.1379	0.0149
1099	0	Correlation	0.666	0.6562	-0.0098
1215	50	Unbiased	1.0132	1.1228	0.1096
1229	50	Unbiased	0.6716	0.7622	0.0906
1297	20	Biased	0.839	0.8396	0.0006
1331	30	Unbiased	0.0931	0.1754	0.0823
1337	20	Biased	-0.3708	-0.3463	0.0245
1359	30	Biased	0.2908	0.3072	0.0164
1375	30	Unbiased	0.7475	0.7629	0.0154
1398	30	Biased	0.3702	0.3711	0.0009
1401	20	Biased	-0.7314	-0.7212	0.0102
1411	50	Biased	-0.2853	-0.2409	0.0444
1474	50	Biased	-0.1959	-0.1394	0.0565
1500	20	Unbiased	0.4334	0.4745	0.0411
1504	50	Biased	2.7159	2.7825	0.0666
1662	30	Biased	-0.1527	-0.1083	0.0444
1703	30	Biased	-0.0711	-0.0262	0.0449
1736	30	Biased	-0.1812	-0.1513	0.0299
1737	0	Correlation	0.4231	0.4221	-0.001
1748	0	Correlation	0.8256	0.8078	-0.0178
1794	20	Biased	0.5434	0.5419	-0.0015

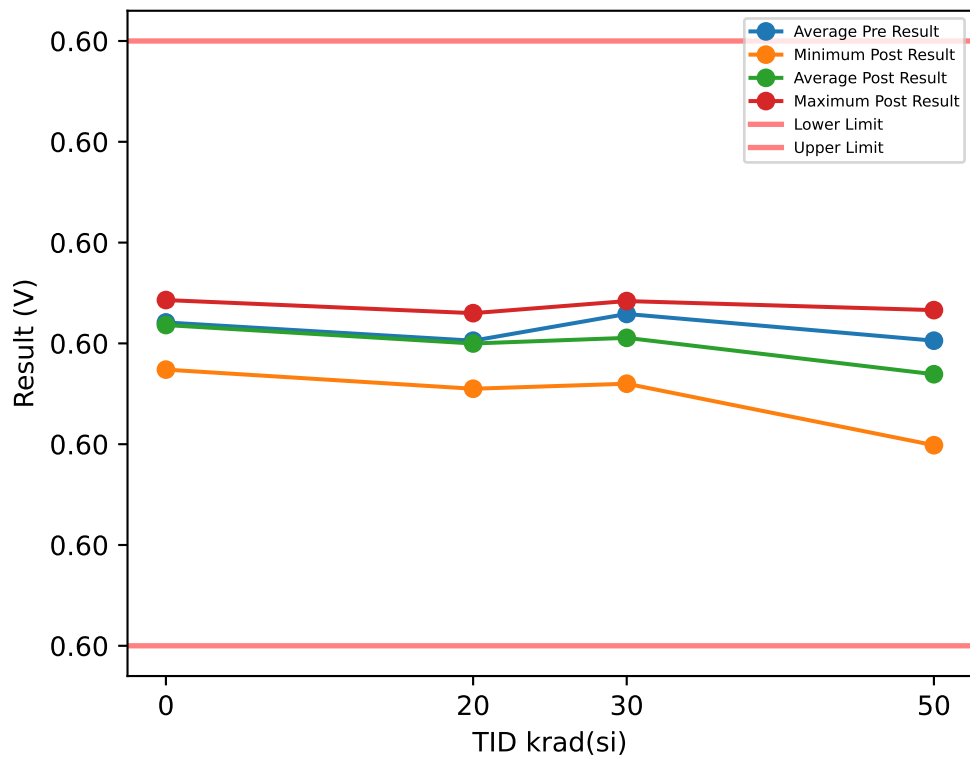
TID vs Post - Pre Exposure Delta



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	0.4231	0.64186	0.8256	0.17045	0.4221	0.62896	0.8078	0.16409	-0.0214	-0.0129	-0.001	0.0079063
20	-0.7314	0.56659	1.6522	0.79979	-0.7212	0.58342	1.6822	0.80264	-0.009	0.01683	0.0436	0.020244
30	-1.2029	0.04054	0.7475	0.54094	-1.1767	0.07195	0.7629	0.53664	0.0009	0.03141	0.0823	0.022194
50	-0.2853	0.64545	2.7159	0.87209	-0.2409	0.71922	2.7825	0.87547	0.0149	0.07377	0.2289	0.060981

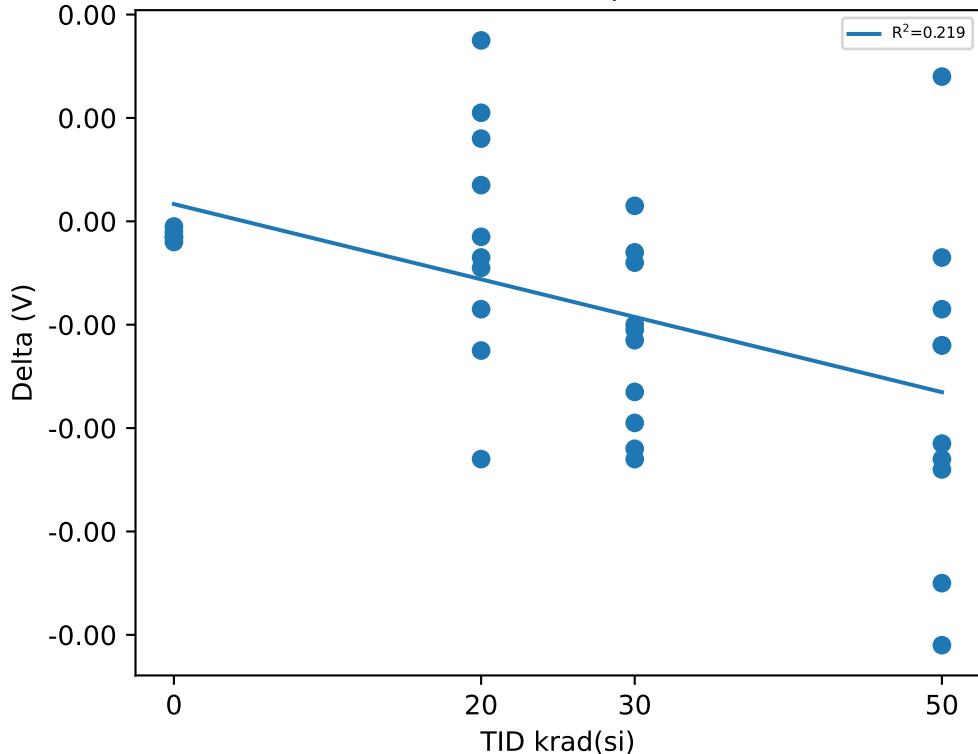
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.5998	0.59955	-0.00025
371	20	Unbiased	0.60009	0.60002	-7e-05
383	20	Unbiased	0.60002	0.60018	0.00016
390	50	Unbiased	0.60004	0.5998	-0.00024
444	30	Unbiased	0.60045	0.60039	-6e-05
509	30	Unbiased	0.6005	0.60042	-8e-05
558	0	Correlation	0.60032	0.60029	-3e-05
724	20	Biased	0.60038	0.60021	-0.00017
744	50	Biased	0.59981	0.59964	-0.00017
799	50	Biased	0.59995	0.59988	-7e-05
842	30	Unbiased	0.60032	0.59993	-0.00039
930	50	Unbiased	0.60037	0.59994	-0.00043
964	20	Unbiased	0.60013	0.6002	7e-05
1056	0	Correlation	0.60043	0.60039	-4e-05
1095	50	Unbiased	0.59971	0.59925	-0.00046
1099	0	Correlation	0.60044	0.60043	-1e-05
1215	50	Unbiased	0.60005	0.60033	0.00028
1229	50	Unbiased	0.60039	0.60015	-0.00024
1297	20	Biased	0.59993	0.5999	-3e-05
1331	30	Unbiased	0.60008	0.59962	-0.00046
1337	20	Biased	0.60005	0.59959	-0.00046
1359	30	Biased	0.60004	0.5996	-0.00044
1375	30	Unbiased	0.6004	0.60017	-0.00023
1398	30	Biased	0.60033	0.6	-0.00033
1401	20	Biased	0.59995	0.6003	0.00035
1411	50	Biased	0.59989	0.59919	-0.0007
1474	50	Biased	0.59981	0.59899	-0.00082
1500	20	Unbiased	0.59995	0.60016	0.00021
1504	50	Biased	0.60025	0.59977	-0.00048
1662	30	Biased	0.60017	0.6002	3e-05
1703	30	Biased	0.60062	0.60042	-0.0002
1736	30	Biased	0.60001	0.5998	-0.00021
1737	0	Correlation	0.60008	0.60006	-2e-05
1748	0	Correlation	0.59977	0.59974	-3e-05
1794	20	Biased	0.59997	0.59988	-9e-05

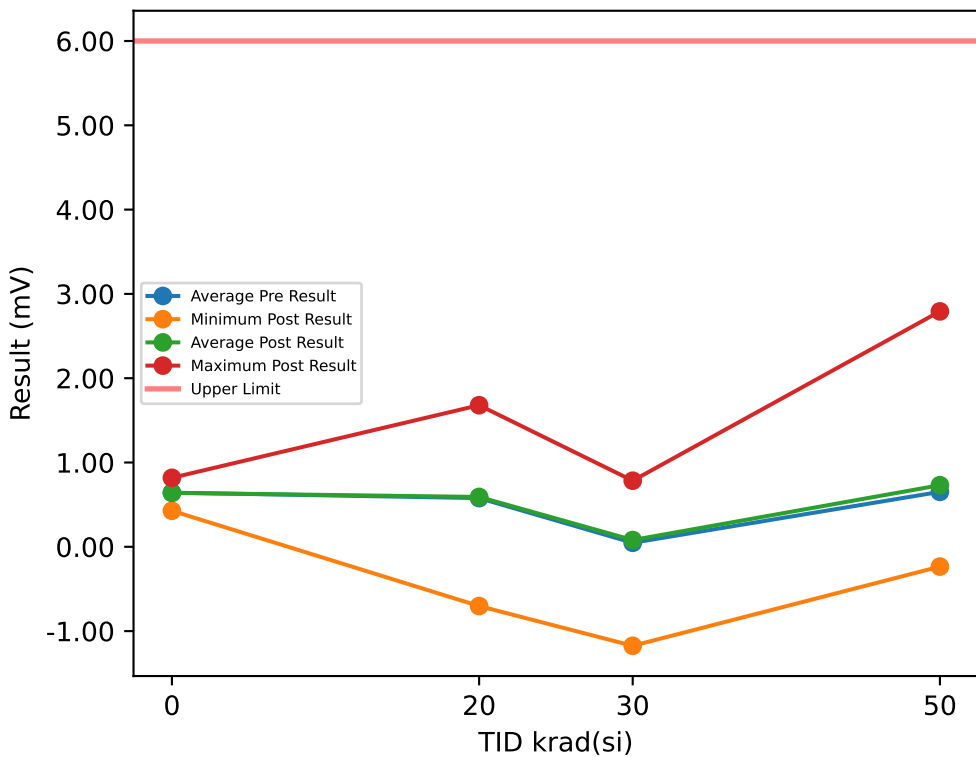
TID vs Post - Pre Exposure Delta



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	0.59977	0.60021	0.60044	0.00028455	0.59974	0.60018	0.60043	0.00028578	-4e-05	-2.6e-05	-1e-05	1.1402e-05
20	0.5998	0.60003	0.60038	0.00015485	0.59955	0.6	0.6003	0.00026405	-0.00046	-2.8e-05	0.00035	0.00023715
30	0.60001	0.60029	0.60062	0.00020885	0.5996	0.60006	0.60042	0.00031497	-0.00046	-0.000237	3e-05	0.00016747
50	0.59971	0.60003	0.60039	0.00024019	0.59899	0.59969	0.60033	0.00043131	-0.00082	-0.000333	0.00028	0.0003176

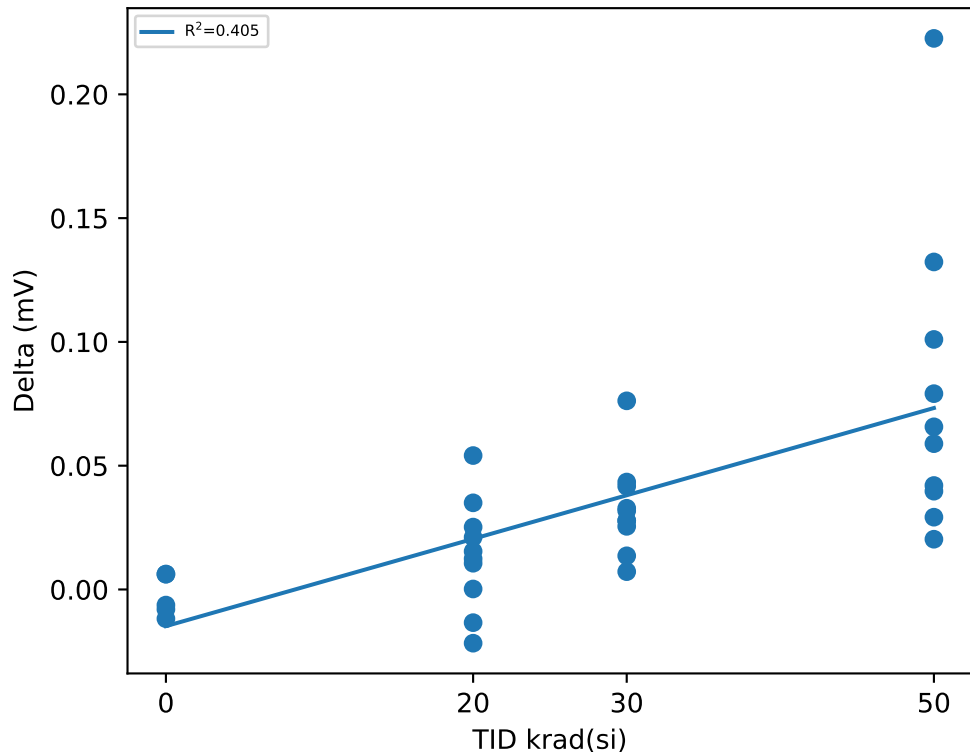
TID vs Result Stats



Test Results (Upper Limit = 6.0 (mV))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.6652	1.6758	0.0106
371	20	Unbiased	0.5031	0.5572	0.0541
383	20	Unbiased	1.6543	1.6795	0.0252
390	50	Unbiased	0.1728	0.2385	0.0657
444	30	Unbiased	-1.2021	-1.1743	0.0278
509	30	Unbiased	-0.0706	-0.0378	0.0328
558	0	Correlation	0.7757	0.7639	-0.0118
724	20	Biased	-0.0101	-0.0318	-0.0217
744	50	Biased	1.1222	1.1425	0.0203
799	50	Biased	0.8338	0.8735	0.0397
842	30	Unbiased	0.6063	0.6341	0.0278
930	50	Unbiased	0.3237	0.5463	0.2226
964	20	Unbiased	1.2133	1.1999	-0.0134
1056	0	Correlation	0.5271	0.5333	0.0062
1095	50	Unbiased	0.1352	0.1644	0.0292
1099	0	Correlation	0.6624	0.6561	-0.0063
1215	50	Unbiased	1.0084	1.1407	0.1323
1229	50	Unbiased	0.6741	0.7751	0.101
1297	20	Biased	0.8329	0.8483	0.0154
1331	30	Unbiased	0.1029	0.1791	0.0762
1337	20	Biased	-0.357	-0.3359	0.0211
1359	30	Biased	0.2972	0.3044	0.0072
1375	30	Unbiased	0.7424	0.7841	0.0417
1398	30	Biased	0.3709	0.3845	0.0136
1401	20	Biased	-0.7152	-0.7028	0.0124
1411	50	Biased	-0.2766	-0.2346	0.042
1474	50	Biased	-0.1894	-0.1305	0.0589
1500	20	Unbiased	0.4394	0.4744	0.035
1504	50	Biased	2.7136	2.7927	0.0791
1662	30	Biased	-0.1396	-0.1078	0.0318
1703	30	Biased	-0.058	-0.0146	0.0434
1736	30	Biased	-0.1753	-0.1498	0.0255
1737	0	Correlation	0.4211	0.4273	0.0062
1748	0	Correlation	0.8262	0.8182	-0.008
1794	20	Biased	0.5509	0.5511	0.0002

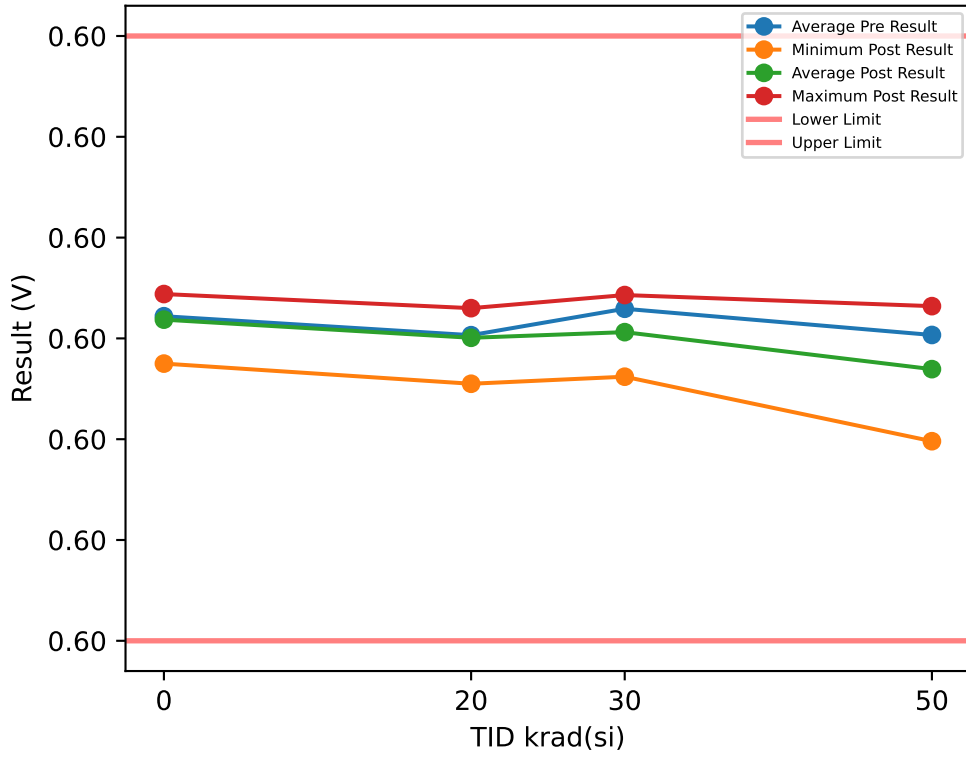
TID vs Post - Pre Exposure Delta



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	0.4211	0.6425	0.8262	0.16898	0.4273	0.63976	0.8182	0.16124	-0.0118	-0.00274	0.0062	0.0084005
20	-0.7152	0.57768	1.6652	0.79771	-0.7028	0.59157	1.6795	0.79832	-0.0217	0.01389	0.0541	0.022252
30	-1.2021	0.04741	0.7424	0.54123	-1.1743	0.08019	0.7841	0.54159	0.0072	0.03278	0.0762	0.018866
50	-0.2766	0.65178	2.7136	0.86965	-0.2346	0.73086	2.7927	0.87447	0.0203	0.07908	0.2226	0.060888

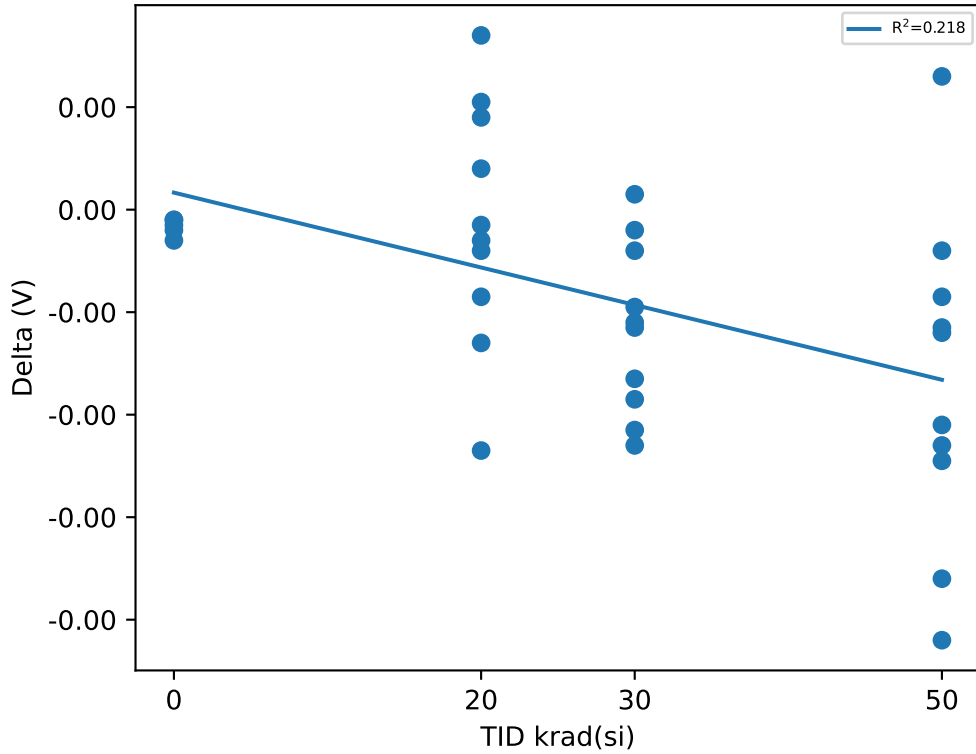
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59981	0.59955	-0.00026
371	20	Unbiased	0.60008	0.60002	-6e-05
383	20	Unbiased	0.60001	0.60019	0.00018
390	50	Unbiased	0.60004	0.59981	-0.00023
444	30	Unbiased	0.60044	0.6004	-4e-05
509	30	Unbiased	0.6005	0.60042	-8e-05
558	0	Correlation	0.60033	0.60029	-4e-05
724	20	Biased	0.60039	0.60022	-0.00017
744	50	Biased	0.59982	0.59965	-0.00017
799	50	Biased	0.59995	0.59987	-8e-05
842	30	Unbiased	0.60031	0.59994	-0.00037
930	50	Unbiased	0.60037	0.59995	-0.00042
964	20	Unbiased	0.60013	0.60021	8e-05
1056	0	Correlation	0.60044	0.60038	-6e-05
1095	50	Unbiased	0.59971	0.59925	-0.00046
1099	0	Correlation	0.60046	0.60044	-2e-05
1215	50	Unbiased	0.60006	0.60032	0.00026
1229	50	Unbiased	0.6004	0.60016	-0.00024
1297	20	Biased	0.59994	0.59991	-3e-05
1331	30	Unbiased	0.60009	0.59963	-0.00046
1337	20	Biased	0.60006	0.59959	-0.00047
1359	30	Biased	0.60005	0.59962	-0.00043
1375	30	Unbiased	0.60041	0.60018	-0.00023
1398	30	Biased	0.60033	0.6	-0.00033
1401	20	Biased	0.59996	0.6003	0.00034
1411	50	Biased	0.59991	0.59919	-0.00072
1474	50	Biased	0.59982	0.59898	-0.00084
1500	20	Unbiased	0.59996	0.60017	0.00021
1504	50	Biased	0.60026	0.59977	-0.00049
1662	30	Biased	0.60017	0.6002	3e-05
1703	30	Biased	0.60062	0.60043	-0.00019
1736	30	Biased	0.60002	0.5998	-0.00022
1737	0	Correlation	0.60009	0.60007	-2e-05
1748	0	Correlation	0.59978	0.59975	-3e-05
1794	20	Biased	0.59998	0.5999	-8e-05

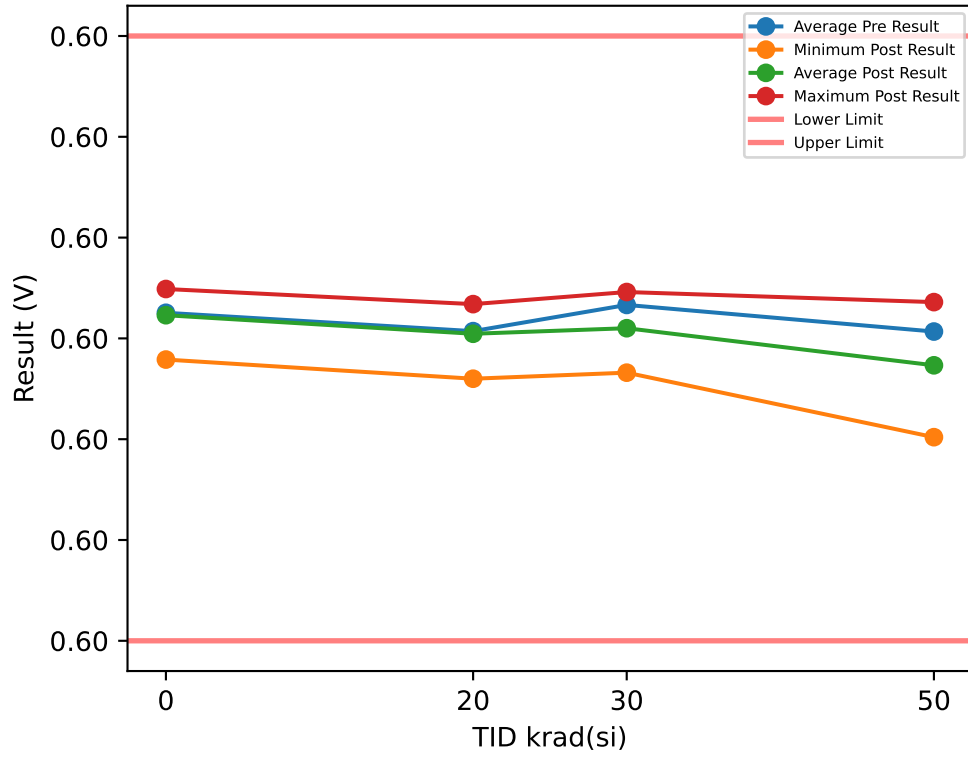
TID vs Post - Pre Exposure Delta



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	0.59978	0.60022	0.60046	0.00028662	0.59975	0.60019	0.60044	0.0002813	-6e-05	-3.4e-05	-2e-05	1.6733e-05
20	0.59981	0.60003	0.60039	0.00015354	0.59955	0.60001	0.6003	0.00026588	-0.00047	-2.6e-05	0.00034	0.00024038
30	0.60002	0.60029	0.60062	0.00020457	0.59962	0.60006	0.60043	0.00031272	-0.00046	-0.000232	3e-05	0.00016679
50	0.59971	0.60003	0.6004	0.00023982	0.59898	0.59969	0.60032	0.00043303	-0.00084	-0.000339	0.00026	0.00031908

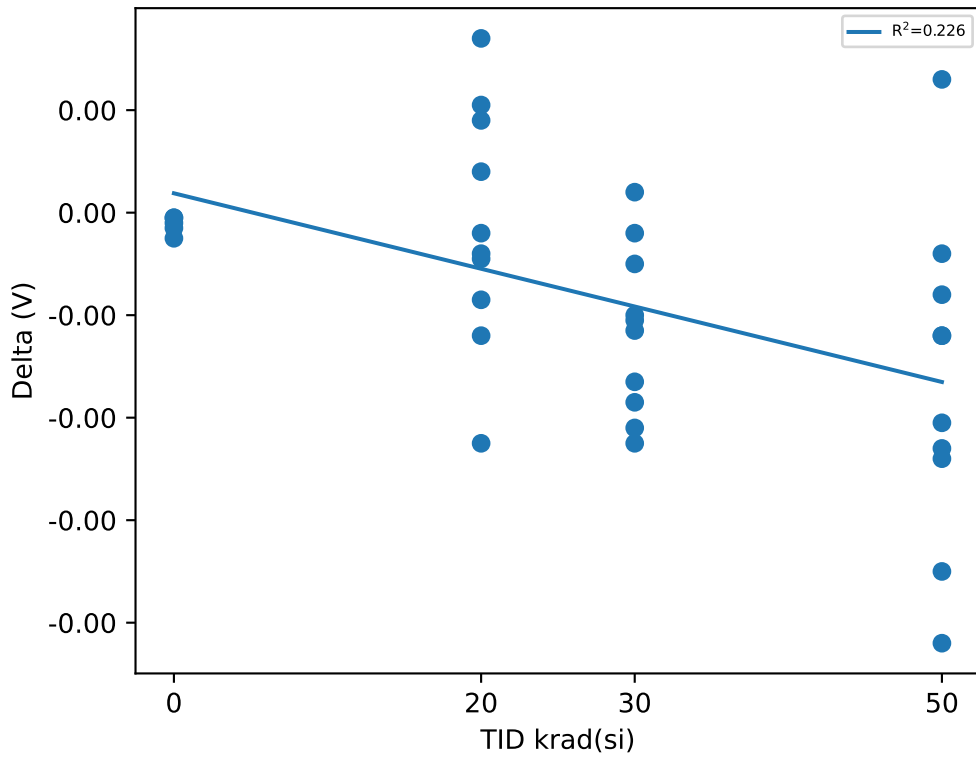
TID vs Result Stats



Test Results (Lower Limit = 0.597, Upper Limit = 0.603 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.59984	0.5996	-0.00024
371	20	Unbiased	0.60013	0.60005	-8e-05
383	20	Unbiased	0.60005	0.60023	0.00018
390	50	Unbiased	0.60008	0.59984	-0.00024
444	30	Unbiased	0.60048	0.60044	-4e-05
509	30	Unbiased	0.60055	0.60045	-0.0001
558	0	Correlation	0.60036	0.60034	-2e-05
724	20	Biased	0.60043	0.60026	-0.00017
744	50	Biased	0.59985	0.59969	-0.00016
799	50	Biased	0.59999	0.59991	-8e-05
842	30	Unbiased	0.60036	0.59999	-0.00037
930	50	Unbiased	0.60039	0.59998	-0.00041
964	20	Unbiased	0.60017	0.60025	8e-05
1056	0	Correlation	0.60047	0.60042	-5e-05
1095	50	Unbiased	0.59976	0.59928	-0.00048
1099	0	Correlation	0.6005	0.60049	-1e-05
1215	50	Unbiased	0.6001	0.60036	0.00026
1229	50	Unbiased	0.60043	0.60019	-0.00024
1297	20	Biased	0.59999	0.59995	-4e-05
1331	30	Unbiased	0.60012	0.59967	-0.00045
1337	20	Biased	0.60008	0.59963	-0.00045
1359	30	Biased	0.60008	0.59966	-0.00042
1375	30	Unbiased	0.60044	0.60021	-0.00023
1398	30	Biased	0.60037	0.60004	-0.00033
1401	20	Biased	0.6	0.60034	0.00034
1411	50	Biased	0.59993	0.59923	-0.0007
1474	50	Biased	0.59986	0.59902	-0.00084
1500	20	Unbiased	0.60001	0.60022	0.00021
1504	50	Biased	0.60029	0.59983	-0.00046
1662	30	Biased	0.60021	0.60025	4e-05
1703	30	Biased	0.60066	0.60046	-0.0002
1736	30	Biased	0.60005	0.59984	-0.00021
1737	0	Correlation	0.60014	0.60011	-3e-05
1748	0	Correlation	0.5998	0.59979	-1e-05
1794	20	Biased	0.60002	0.59993	-9e-05

TID vs Post - Pre Exposure Delta

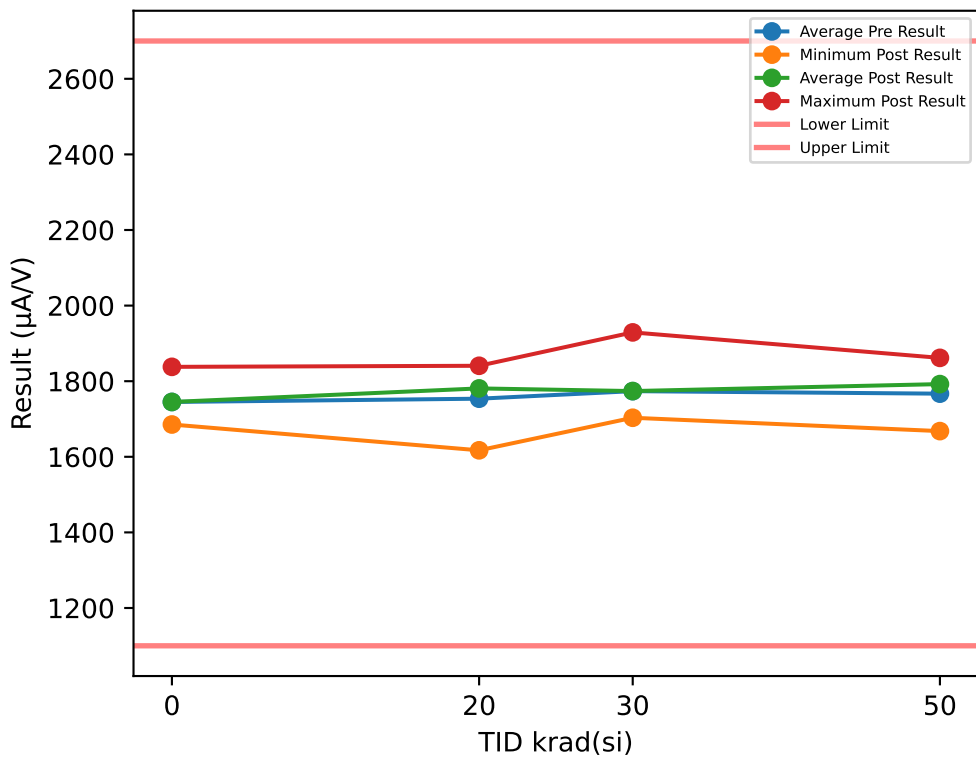


Test Statistics (V)

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	0.5998	0.60025	0.6005	0.00029048	0.59979	0.60023	0.60049	0.00028452	-5e-05	-2.4e-05	-1e-05	1.6733e-05
20	0.59984	0.60007	0.60043	0.00015419	0.5996	0.60005	0.60034	0.00026513	-0.00045	-2.6e-05	0.00034	0.00023496
30	0.60005	0.60033	0.60066	0.00020917	0.59966	0.6001	0.60046	0.00030985	-0.00045	-0.000231	4e-05	0.00016374
50	0.59976	0.60007	0.60043	0.00023475	0.59902	0.59973	0.60036	0.00043251	-0.00084	-0.000335	0.00026	0.00031592

Device Test: 19.9 LEVEL|TRANSCONDUCTANCE//12/12/0/0/5/500kHz//@EA_GM

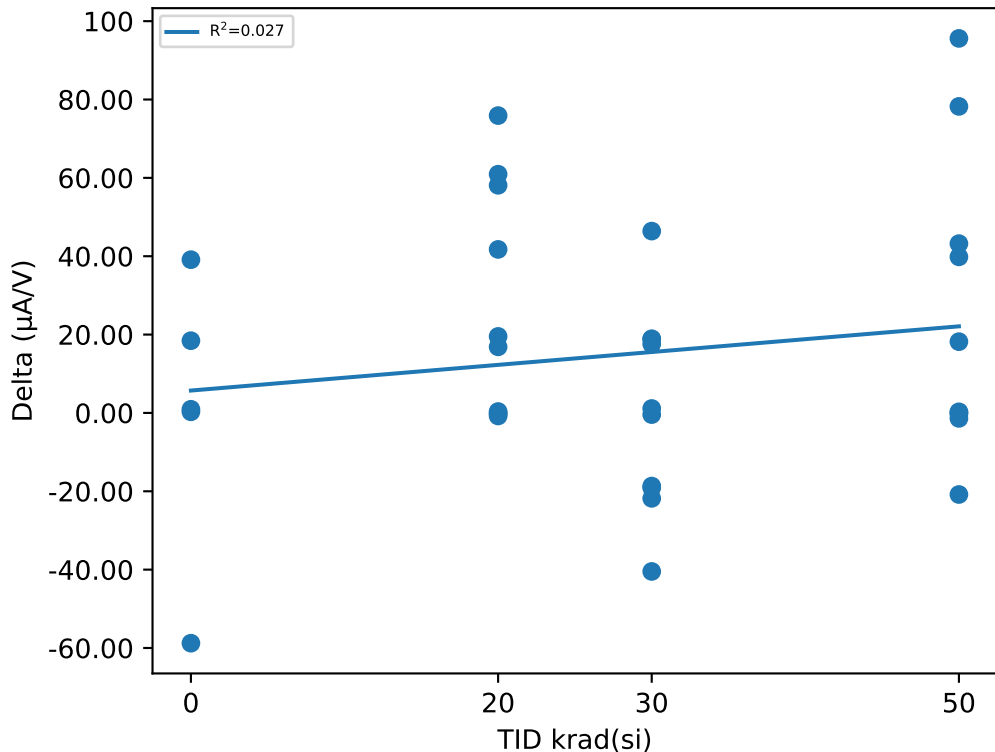
TID vs Result Stats



Test Results (Lower Limit = 1100.0, Upper Limit = 2700.0 (µA/V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1740.7	1798.8	58.102
371	20	Unbiased	1799	1840.8	41.738
383	20	Unbiased	1779.1	1779.4	0.3585
390	50	Unbiased	1759.3	1799.2	39.837
444	30	Unbiased	1722	1703.4	-18.664
509	30	Unbiased	1882.7	1929.1	46.413
558	0	Correlation	1798.8	1838	39.118
724	20	Biased	1758.6	1819.5	60.933
744	50	Biased	1721.5	1817.1	95.6
799	50	Biased	1720.7	1799	78.24
842	30	Unbiased	1721.5	1740.4	18.903
930	50	Unbiased	1840.2	1840.3	0.111
964	20	Unbiased	1819.3	1818.5	-0.7789
1056	0	Correlation	1759.9	1701.1	-58.778
1095	50	Unbiased	1778.1	1776.7	-1.3934
1099	0	Correlation	1703.2	1721.6	18.438
1215	50	Unbiased	1840.8	1840.5	-0.2726
1229	50	Unbiased	1818.5	1861.7	43.214
1297	20	Biased	1703.2	1779.1	75.898
1331	30	Unbiased	1703.7	1703.3	-0.4238
1337	20	Biased	1778.9	1778.9	0
1359	30	Biased	1740.7	1759.6	18.878
1375	30	Unbiased	1685.8	1703.4	17.595
1398	30	Biased	1759.9	1738.1	-21.805
1401	20	Biased	1799.4	1799	-0.3666
1411	50	Biased	1721.5	1721.8	0.2827
1474	50	Biased	1649.8	1668	18.19
1500	20	Unbiased	1600.3	1617.2	16.868
1504	50	Biased	1819.9	1799	-20.822
1662	30	Biased	1882.7	1883.8	1.131
1703	30	Biased	1839.4	1799	-40.462
1736	30	Biased	1798.1	1779	-19.104
1737	0	Correlation	1684.5	1685.4	0.9308
1748	0	Correlation	1778.9	1779.2	0.2829
1794	20	Biased	1758.6	1778.1	19.532

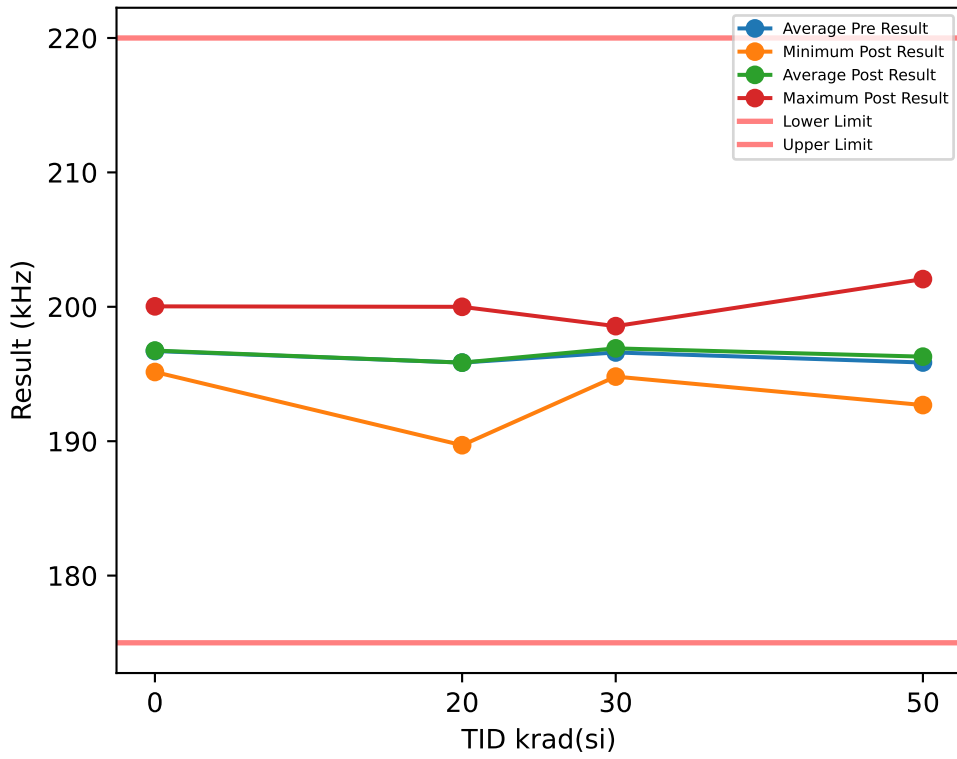
TID vs Post - Pre Exposure Delta



Test Statistics (µA/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	1684.5	1745.1	1798.8	49.191	1685.4	1745	1838	62.915	-58.778	-0.00168	39.118	36.489
20	1600.3	1753.7	1819.3	63.271	1617.2	1780.9	1840.8	61.437	-0.7789	27.228	75.898	29.523
30	1685.8	1773.6	1882.7	73.009	1703.3	1773.9	1929.1	77.724	-40.462	0.246	46.413	25.829
50	1649.8	1767	1840.8	63.65	1668	1792.3	1861.7	58.573	-20.822	25.299	95.6	38.125

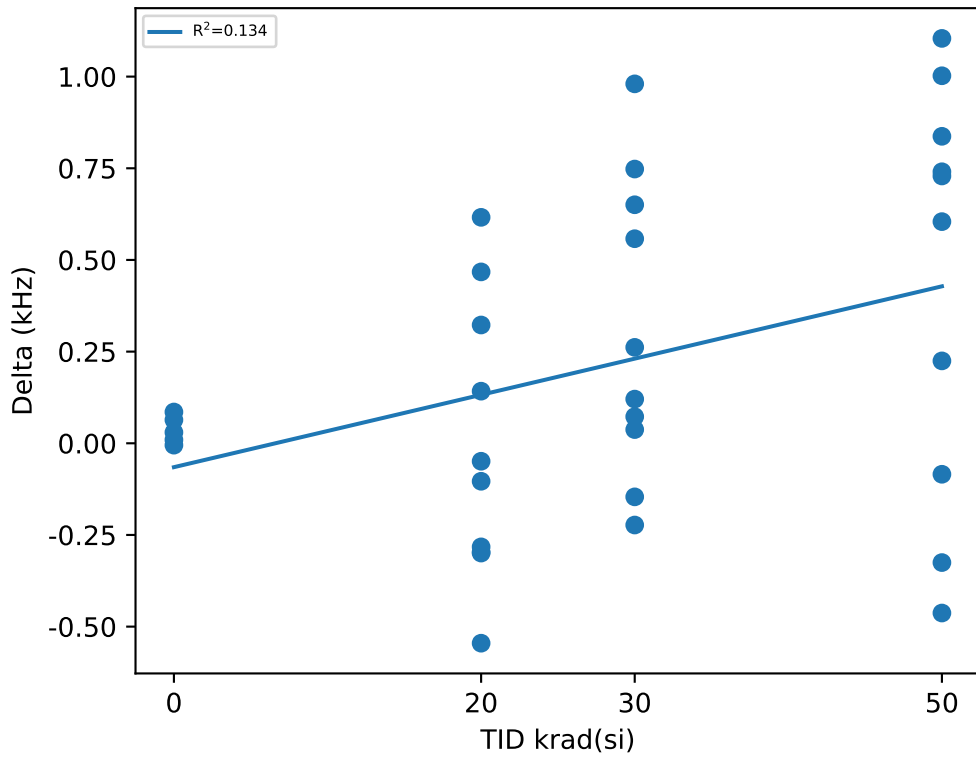
TID vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	189.98	189.7	-0.2825
371	20	Unbiased	197.52	197.66	0.1421
383	20	Unbiased	196.43	196.13	-0.2967
390	50	Unbiased	194.98	195.81	0.8372
444	30	Unbiased	197.91	198.56	0.6505
509	30	Unbiased	197.96	197.82	-0.1461
558	0	Correlation	196.63	196.62	-0.0051
724	20	Biased	200.05	200	-0.049
744	50	Biased	193.05	193.65	0.6045
799	50	Biased	193.15	192.69	-0.4629
842	30	Unbiased	194.25	194.81	0.5579
930	50	Unbiased	201.33	202.06	0.729
964	20	Unbiased	196.32	196.02	-0.2994
1056	0	Correlation	195.92	195.98	0.0638
1095	50	Unbiased	198.45	199.19	0.7405
1099	0	Correlation	200	200.03	0.0298
1215	50	Unbiased	196.14	196.06	-0.0845
1229	50	Unbiased	195.07	195.29	0.2247
1297	20	Biased	193.72	194.34	0.6162
1331	30	Unbiased	195.47	195.24	-0.2229
1337	20	Biased	195.8	196.12	0.3226
1359	30	Biased	197.34	198.32	0.9802
1375	30	Unbiased	195.85	195.89	0.0374
1398	30	Biased	197.01	197.27	0.2616
1401	20	Biased	196.4	195.85	-0.5452
1411	50	Biased	195.21	196.21	1.0023
1474	50	Biased	195.9	195.58	-0.3253
1500	20	Unbiased	199.11	199	-0.1036
1504	50	Biased	195.26	196.36	1.1042
1662	30	Biased	196.81	197.56	0.7479
1703	30	Biased	195.75	195.82	0.0726
1736	30	Biased	197.67	197.79	0.1205
1737	0	Correlation	195.14	195.15	0.0095
1748	0	Correlation	195.85	195.94	0.0853
1794	20	Biased	193.16	193.63	0.4674

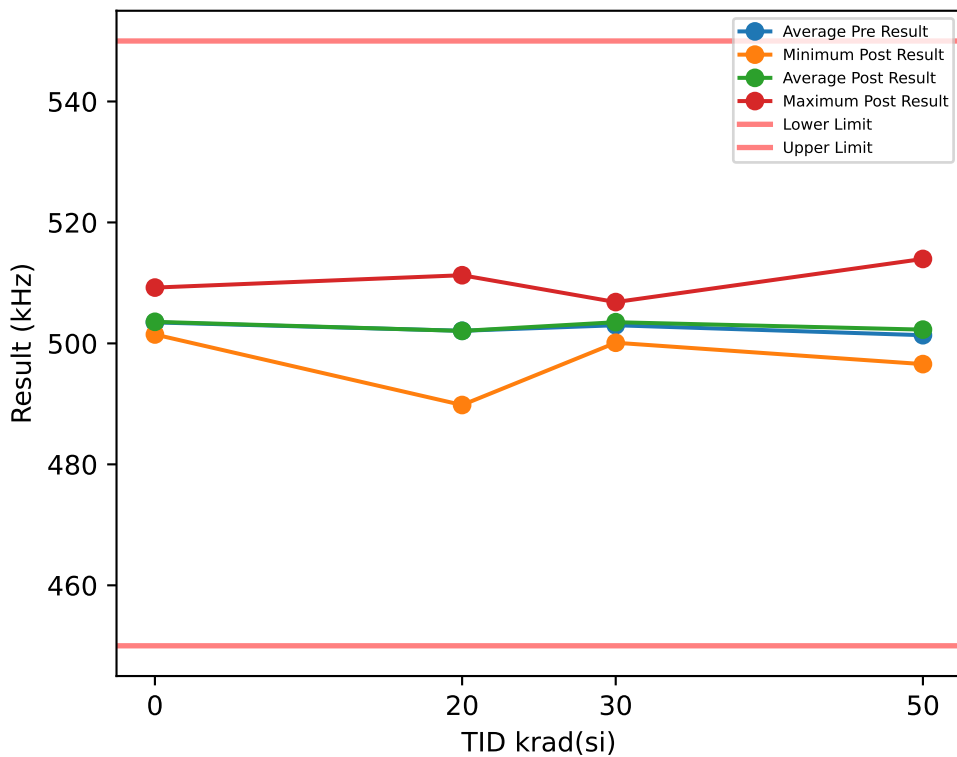
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	195.14	196.71	200	1.9159	195.15	196.75	200.03	1.911	-0.0051	0.03666	0.0853	0.03752
20	189.98	195.85	200.05	2.9447	189.7	195.85	200	2.8992	-0.5452	-0.00281	0.6162	0.37862
30	194.25	196.6	197.96	1.2286	194.81	196.91	198.56	1.3458	-0.2229	0.30596	0.9802	0.40539
50	193.05	195.85	201.33	2.454	192.69	196.29	202.06	2.6555	-0.4629	0.43697	1.1042	0.56157

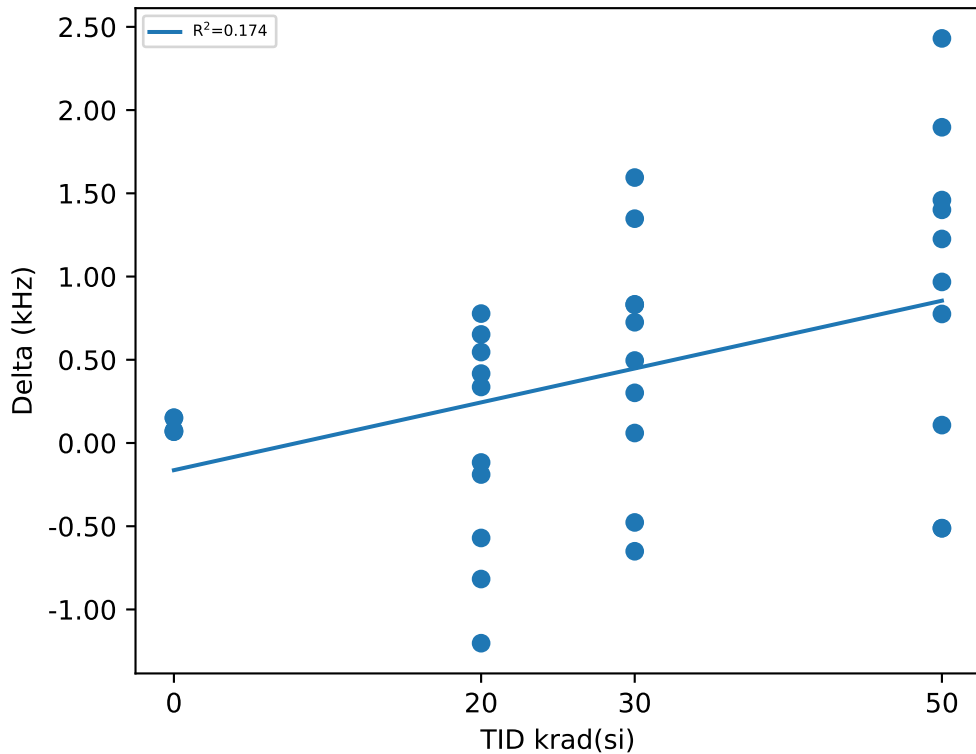
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	490	489.81	-0.1894
371	20	Unbiased	504.88	505.3	0.417
383	20	Unbiased	502.46	501.89	-0.5705
390	50	Unbiased	498.47	499.93	1.4595
444	30	Unbiased	504.94	505.77	0.8303
509	30	Unbiased	504.87	504.22	-0.6504
558	0	Correlation	502.76	502.83	0.075
724	20	Biased	510.93	511.27	0.3366
744	50	Biased	496.72	497.69	0.9676
799	50	Biased	496.47	496.58	0.1075
842	30	Unbiased	500.31	500.8	0.4956
930	50	Unbiased	512.74	513.96	1.2258
964	20	Unbiased	504.26	503.44	-0.8172
1056	0	Correlation	502.57	502.72	0.1498
1095	50	Unbiased	505.88	507.28	1.4008
1099	0	Correlation	509.16	509.23	0.0691
1215	50	Unbiased	500.93	500.41	-0.5124
1229	50	Unbiased	499.85	500.63	0.7752
1297	20	Biased	498.65	499.43	0.7775
1331	30	Unbiased	500.81	500.34	-0.4772
1337	20	Biased	502.05	502.6	0.5462
1359	30	Biased	503.66	505.26	1.5947
1375	30	Unbiased	500.05	500.11	0.06
1398	30	Biased	503.58	503.88	0.3014
1401	20	Biased	502.89	501.69	-1.2027
1411	50	Biased	500.75	502.65	1.8968
1474	50	Biased	500.96	500.45	-0.5114
1500	20	Unbiased	508.77	508.66	-0.117
1504	50	Biased	500.77	503.2	2.4307
1662	30	Biased	505.09	506.44	1.3477
1703	30	Biased	500.58	501.41	0.8332
1736	30	Biased	506.11	506.83	0.7254
1737	0	Correlation	501.45	501.6	0.1524
1748	0	Correlation	501.41	501.47	0.0679
1794	20	Biased	495.92	496.57	0.6523

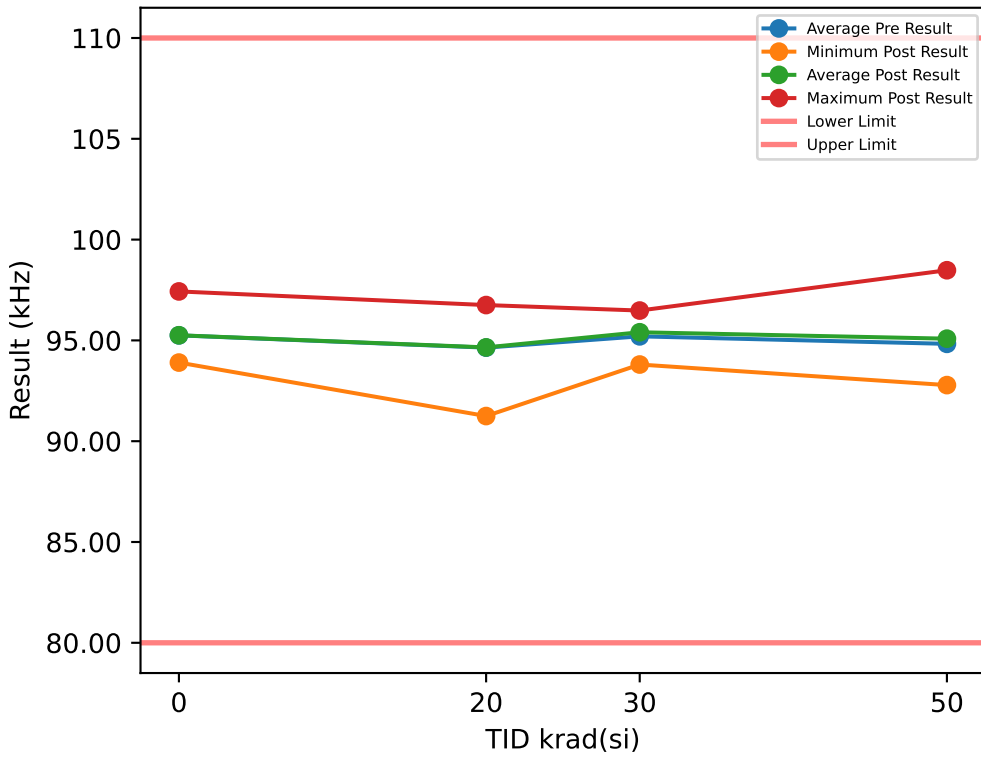
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.41	503.47	509.16	3.2422	501.47	503.57	509.23	3.2237	0.0679	0.10284	0.1524	0.044147
20	490	502.08	510.93	6.0753	489.81	502.07	511.27	6.0392	-1.2027	-0.01672	0.7775	0.67512
30	500.05	503	506.11	2.3257	500.11	503.51	506.83	2.6205	-0.6504	0.50607	1.5947	0.72257
50	496.47	501.35	512.74	4.7954	496.58	502.28	513.96	5.0676	-0.5124	0.92401	2.4307	0.97957

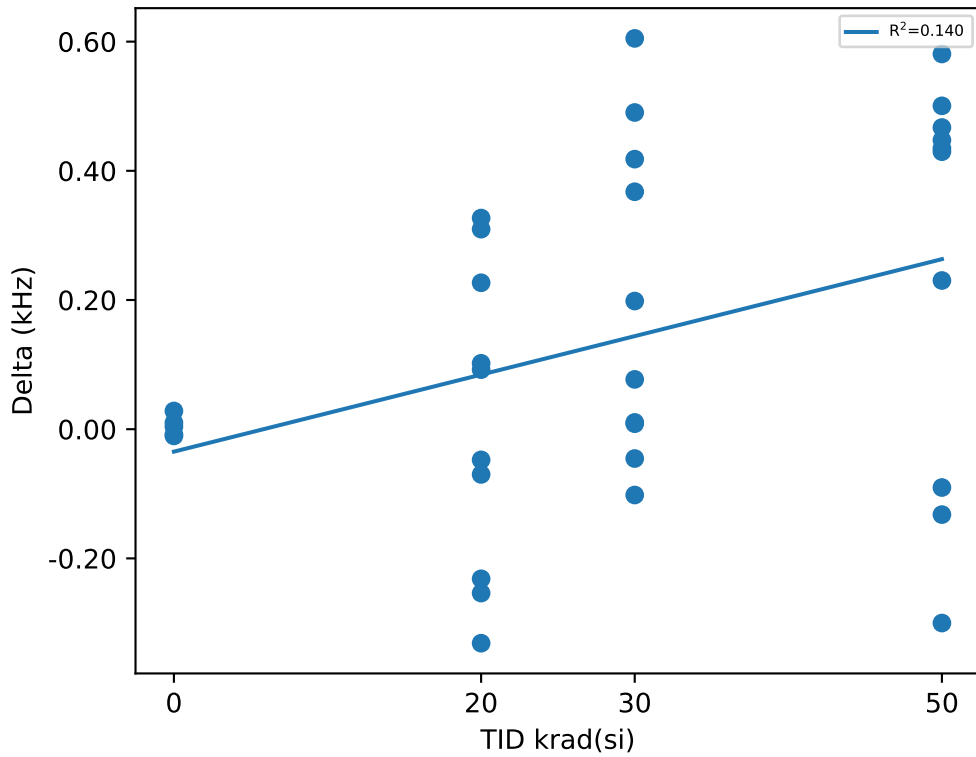
TID vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	91.501	91.247	-0.2537
371	20	Unbiased	95.67	95.762	0.0922
383	20	Unbiased	95.118	95.048	-0.07
390	50	Unbiased	94.54	94.975	0.4349
444	30	Unbiased	96.063	96.481	0.4181
509	30	Unbiased	96.007	96.017	0.0105
558	0	Correlation	95.339	95.328	-0.0104
724	20	Biased	96.801	96.753	-0.0475
744	50	Biased	93.088	93.535	0.4476
799	50	Biased	93.083	92.783	-0.3001
842	30	Unbiased	93.436	93.803	0.3676
930	50	Unbiased	97.98	98.48	0.5006
964	20	Unbiased	94.71	94.478	-0.2316
1056	0	Correlation	94.829	94.821	-0.0081
1095	50	Unbiased	96.357	96.938	0.5809
1099	0	Correlation	97.401	97.429	0.0282
1215	50	Unbiased	95.275	95.184	-0.0903
1229	50	Unbiased	94.245	94.475	0.2302
1297	20	Biased	93.346	93.673	0.3269
1331	30	Unbiased	94.597	94.495	-0.1019
1337	20	Biased	94.674	94.9	0.2267
1359	30	Biased	95.803	96.408	0.605
1375	30	Unbiased	95.116	95.07	-0.0454
1398	30	Biased	95.621	95.819	0.1984
1401	20	Biased	95.035	94.704	-0.3313
1411	50	Biased	94.426	94.855	0.4296
1474	50	Biased	94.845	94.713	-0.1322
1500	20	Unbiased	96.334	96.436	0.102
1504	50	Biased	94.453	94.92	0.467
1662	30	Biased	94.974	95.465	0.4903
1703	30	Biased	94.761	94.77	0.0085
1736	30	Biased	95.634	95.711	0.0771
1737	0	Correlation	93.89	93.9	0.0101
1748	0	Correlation	94.791	94.795	0.0039
1794	20	Biased	93.218	93.527	0.3097

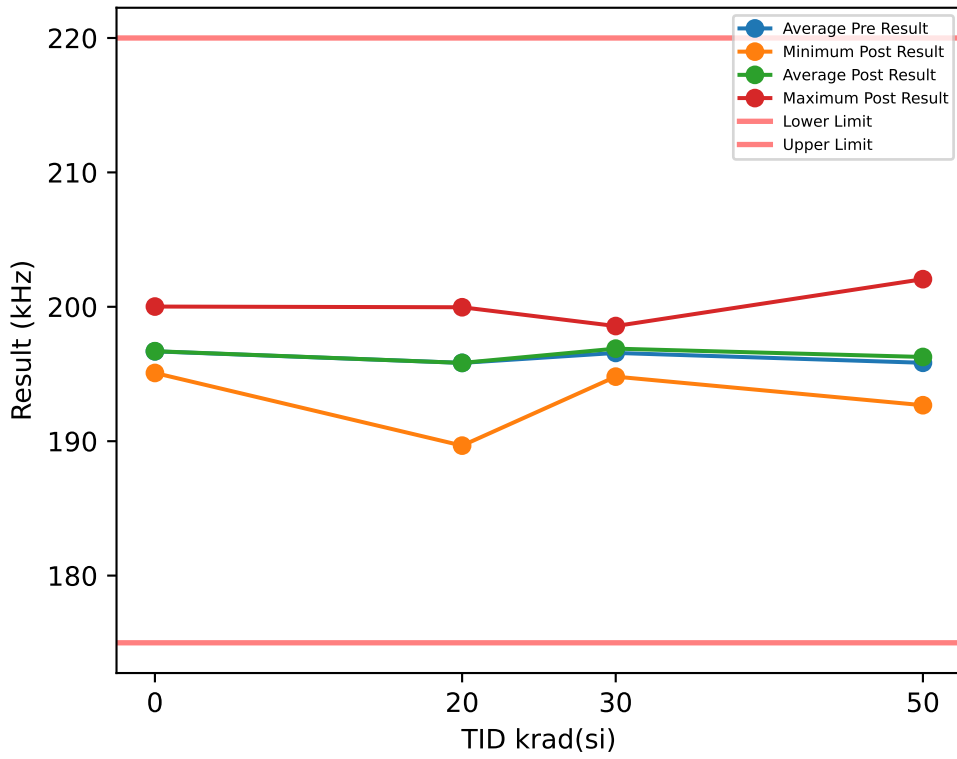
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.89	95.25	97.401	1.3106	93.9	95.255	97.429	1.3198	-0.0104	0.00474	0.0282	0.015604
20	91.501	94.641	96.801	1.5825	91.247	94.653	96.753	1.595	-0.3313	0.01234	0.3269	0.23722
30	93.436	95.201	96.063	0.80636	93.803	95.404	96.481	0.86393	-0.1019	0.20282	0.605	0.2501
50	93.083	94.829	97.98	1.4632	92.783	95.086	98.48	1.6081	-0.3001	0.25682	0.5809	0.31434

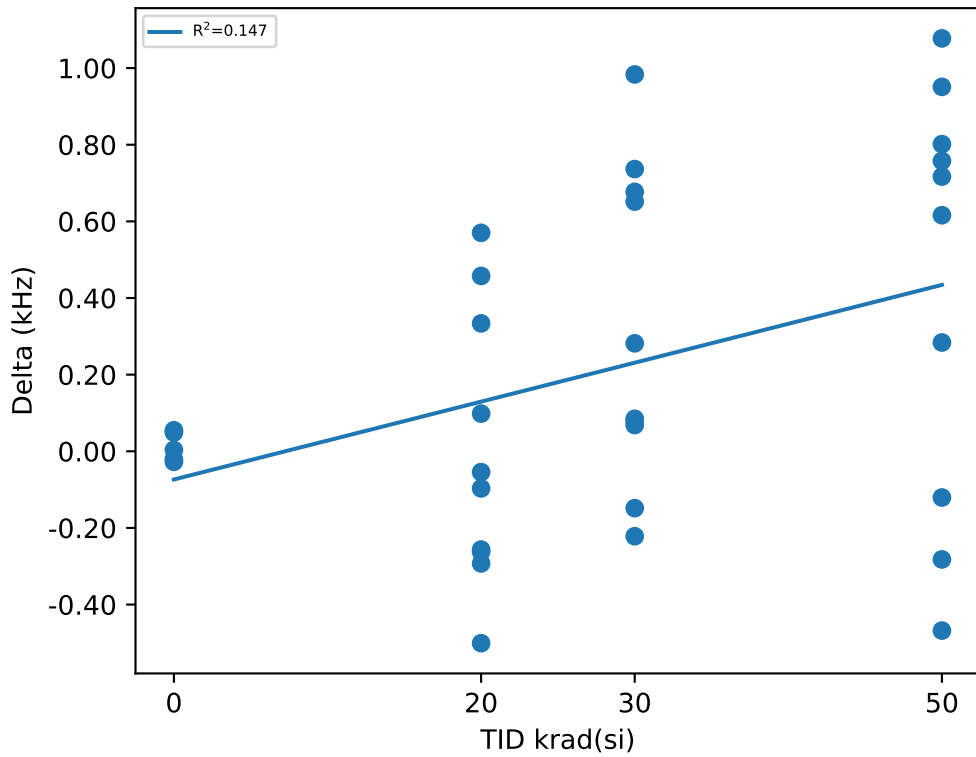
TID vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	189.96	189.67	-0.2926
371	20	Unbiased	197.51	197.61	0.0983
383	20	Unbiased	196.38	196.11	-0.2625
390	50	Unbiased	194.96	195.76	0.8015
444	30	Unbiased	197.89	198.57	0.677
509	30	Unbiased	197.93	197.78	-0.1484
558	0	Correlation	196.6	196.57	-0.0204
724	20	Biased	200.02	199.97	-0.0544
744	50	Biased	193.03	193.64	0.616
799	50	Biased	193.15	192.68	-0.4679
842	30	Unbiased	194.15	194.8	0.6517
930	50	Unbiased	201.3	202.06	0.7578
964	20	Unbiased	196.28	196.02	-0.2565
1056	0	Correlation	195.93	195.94	0.0036
1095	50	Unbiased	198.44	199.16	0.7169
1099	0	Correlation	199.96	200.02	0.0548
1215	50	Unbiased	196.14	196.02	-0.1206
1229	50	Unbiased	195.01	195.29	0.2839
1297	20	Biased	193.75	194.32	0.5701
1331	30	Unbiased	195.45	195.23	-0.2217
1337	20	Biased	195.76	196.09	0.3338
1359	30	Biased	197.29	198.27	0.9834
1375	30	Unbiased	195.8	195.89	0.0847
1398	30	Biased	196.98	197.27	0.2818
1401	20	Biased	196.36	195.85	-0.5008
1411	50	Biased	195.2	196.15	0.951
1474	50	Biased	195.88	195.59	-0.2822
1500	20	Unbiased	199.08	198.99	-0.0969
1504	50	Biased	195.25	196.33	1.0775
1662	30	Biased	196.79	197.53	0.7365
1703	30	Biased	195.72	195.79	0.0685
1736	30	Biased	197.67	197.75	0.0786
1737	0	Correlation	195.1	195.08	-0.0275
1748	0	Correlation	195.83	195.88	0.049
1794	20	Biased	193.16	193.62	0.4576

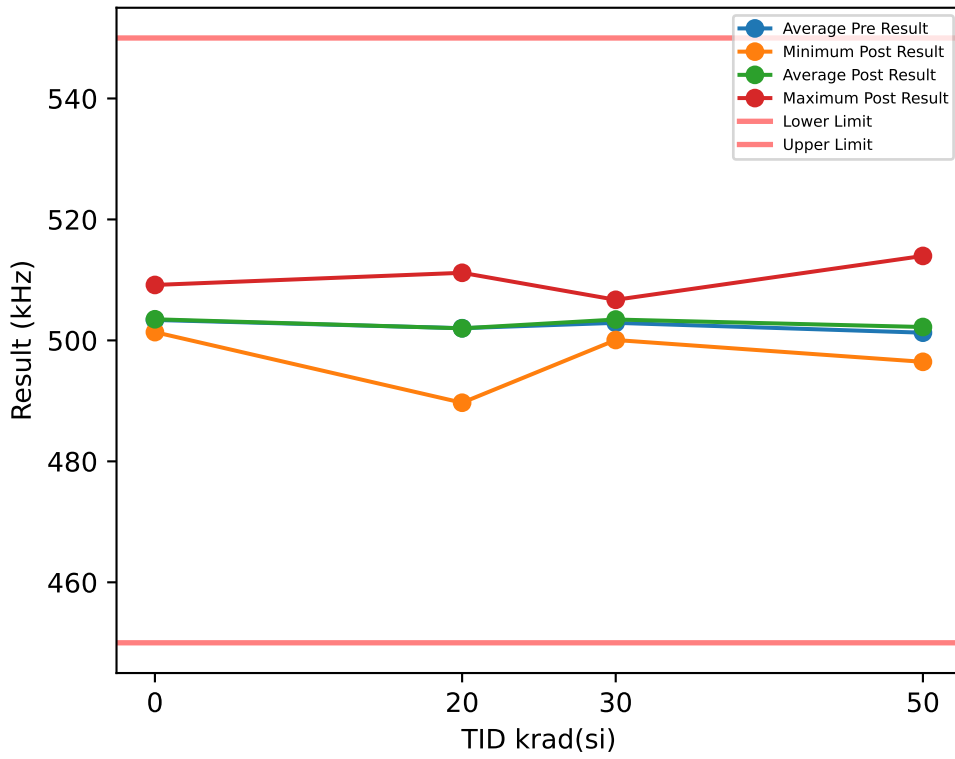
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	195.1	196.69	199.96	1.9071	195.08	196.7	200.02	1.931	-0.0275	0.0119	0.0548	0.038345
20	189.96	195.83	200.02	2.9368	189.67	195.83	199.97	2.8971	-0.5008	-0.00039	0.5701	0.35574
30	194.15	196.57	197.93	1.2451	194.8	196.89	198.57	1.3392	-0.2217	0.31921	0.9834	0.41395
50	193.03	195.83	201.3	2.4502	192.68	196.27	202.06	2.6534	-0.4679	0.43339	1.0775	0.5468

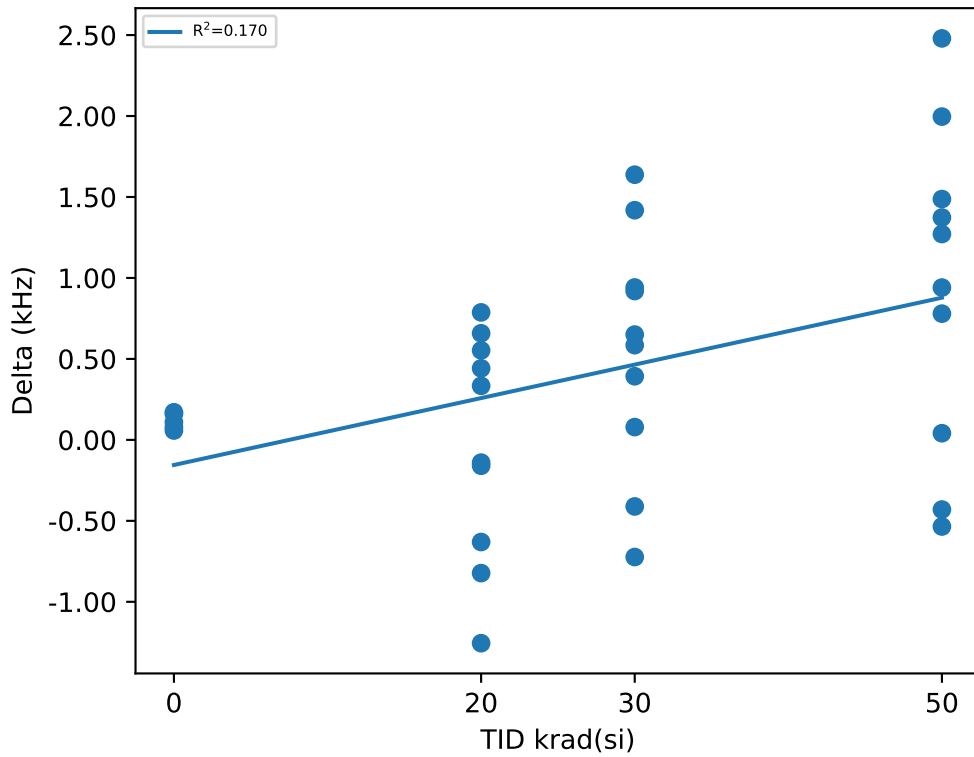
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	489.83	489.69	-0.1405
371	20	Unbiased	504.8	505.24	0.4418
383	20	Unbiased	502.41	501.78	-0.6307
390	50	Unbiased	498.45	499.82	1.3732
444	30	Unbiased	504.84	505.76	0.9191
509	30	Unbiased	504.81	504.08	-0.7234
558	0	Correlation	502.7	502.81	0.1096
724	20	Biased	510.84	511.18	0.334
744	50	Biased	496.68	497.62	0.9406
799	50	Biased	496.42	496.46	0.0411
842	30	Unbiased	500.2	500.79	0.585
930	50	Unbiased	512.69	513.97	1.2713
964	20	Unbiased	504.22	503.4	-0.8228
1056	0	Correlation	502.48	502.64	0.1612
1095	50	Unbiased	505.8	507.29	1.4872
1099	0	Correlation	509	509.17	0.1705
1215	50	Unbiased	500.87	500.34	-0.5349
1229	50	Unbiased	499.73	500.51	0.7796
1297	20	Biased	498.57	499.36	0.7873
1331	30	Unbiased	500.69	500.28	-0.4111
1337	20	Biased	502	502.55	0.5528
1359	30	Biased	503.55	505.19	1.6377
1375	30	Unbiased	499.98	500.06	0.079
1398	30	Biased	503.47	503.86	0.3929
1401	20	Biased	502.89	501.63	-1.2556
1411	50	Biased	500.57	502.57	1.9965
1474	50	Biased	500.85	500.42	-0.4302
1500	20	Unbiased	508.73	508.57	-0.1597
1504	50	Biased	500.67	503.15	2.4794
1662	30	Biased	504.98	506.39	1.4183
1703	30	Biased	500.45	501.39	0.9411
1736	30	Biased	506.06	506.71	0.6504
1737	0	Correlation	501.41	501.48	0.0793
1748	0	Correlation	501.31	501.37	0.0578
1794	20	Biased	495.87	496.53	0.6582

TID vs Post - Pre Exposure Delta

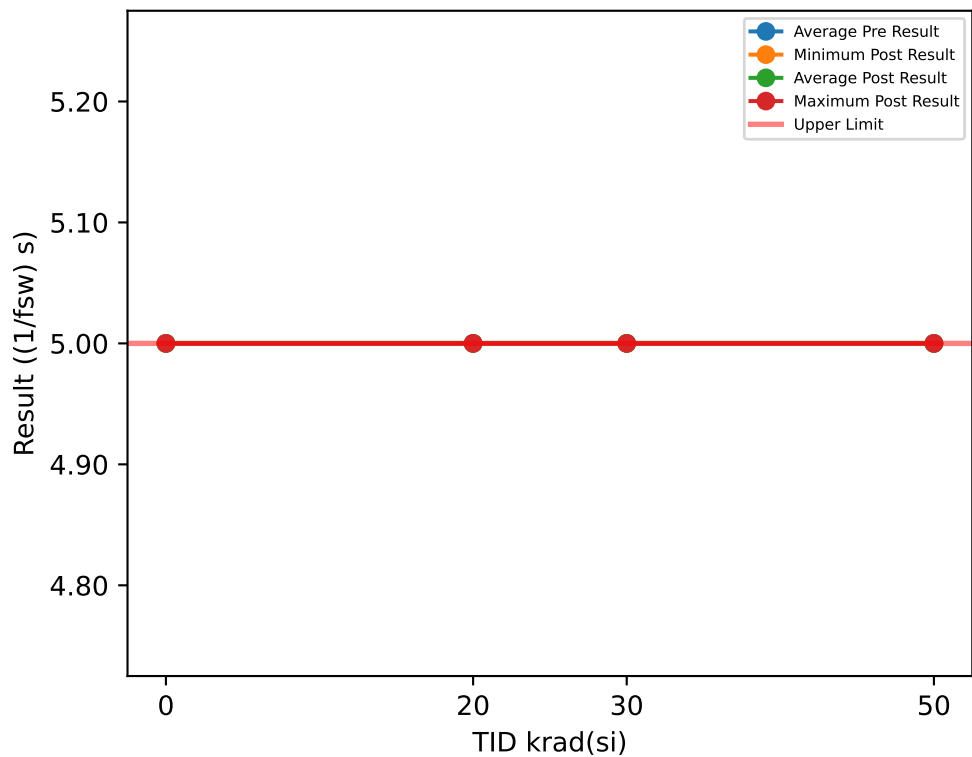


Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.31	503.38	509	3.2016	501.37	503.49	509.17	3.2379	0.0578	0.11568	0.1705	0.049467
20	489.83	502.02	510.84	6.0974	489.69	501.99	511.18	6.0437	-1.2556	-0.02352	0.7873	0.69574
30	499.98	502.9	506.06	2.3367	500.06	503.45	506.71	2.6057	-0.7234	0.5489	1.6377	0.74754
50	496.42	501.27	512.69	4.797	496.46	502.21	513.97	5.1033	-0.5349	0.94038	2.4794	0.99829

Device Test: 20.114 FREQ|DETECTION/SYNC/8/8/0/0/5/100kHz//@T_SYNC_DET

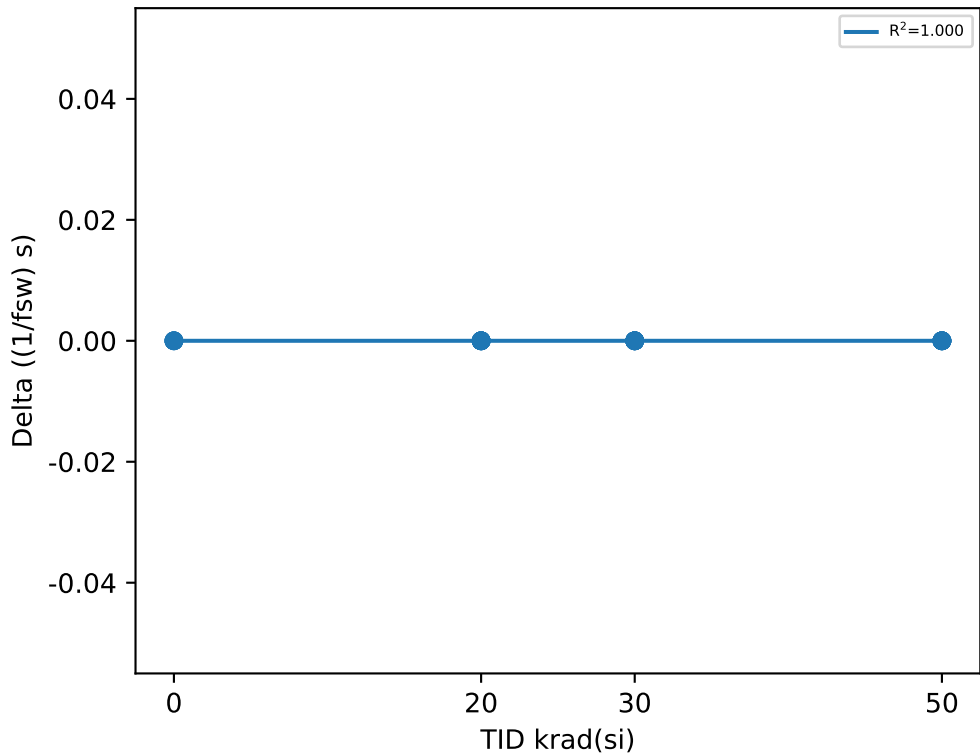
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

TID vs Post - Pre Exposure Delta

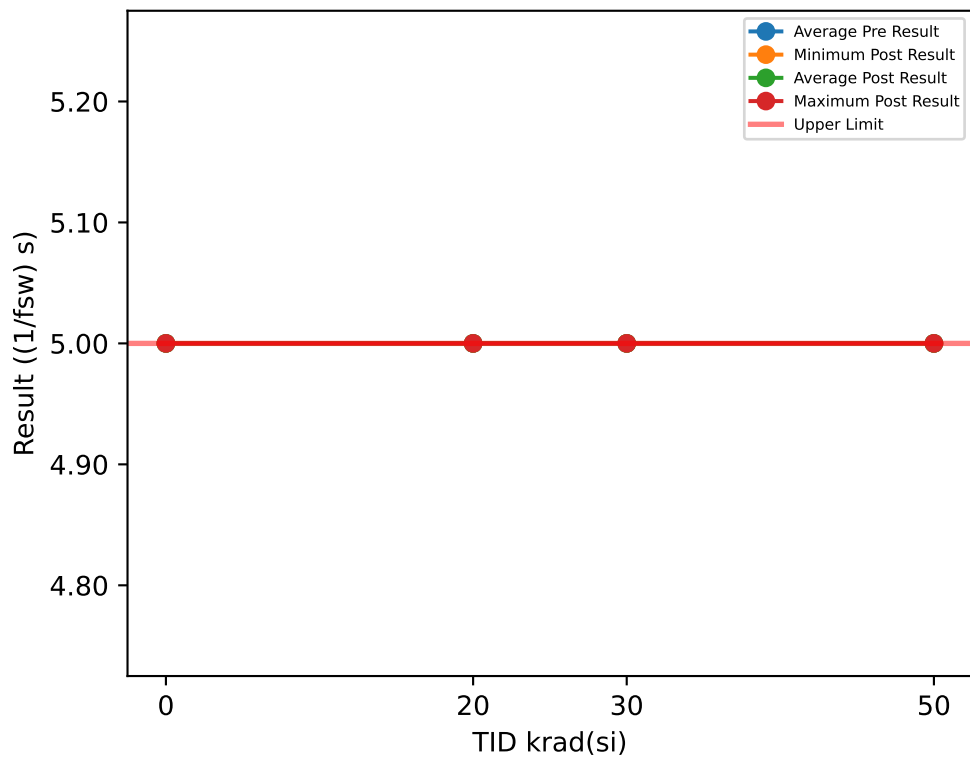


Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 20.116 FREQ|DETECTION/SYNC/8/8/0/0/5/200kHz//@T_SYNC_DET

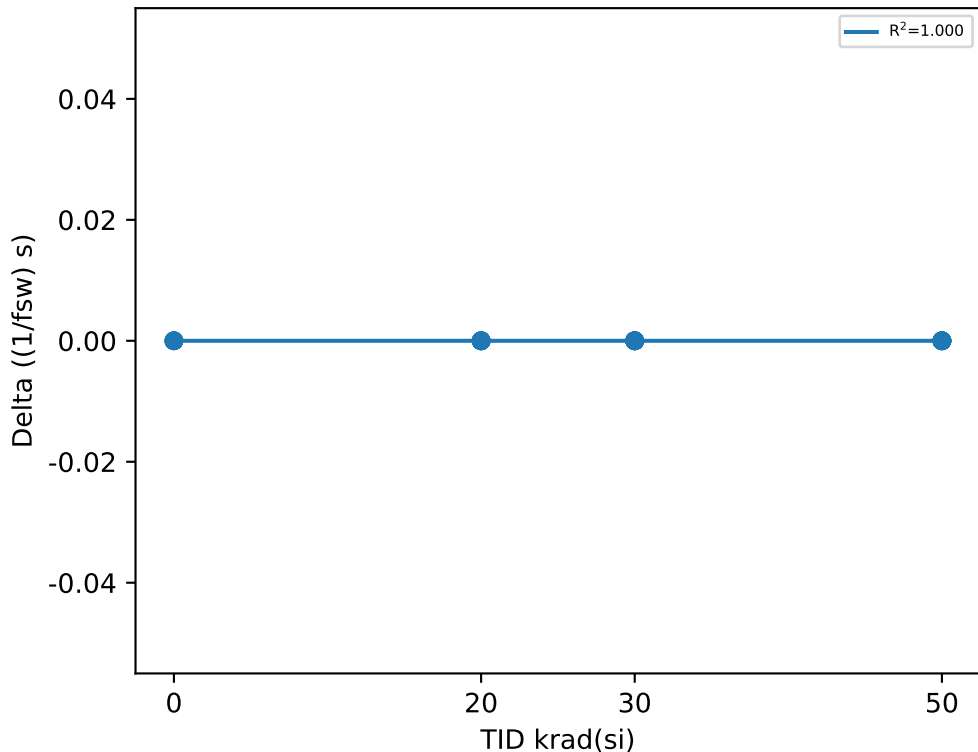
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

TID vs Post - Pre Exposure Delta

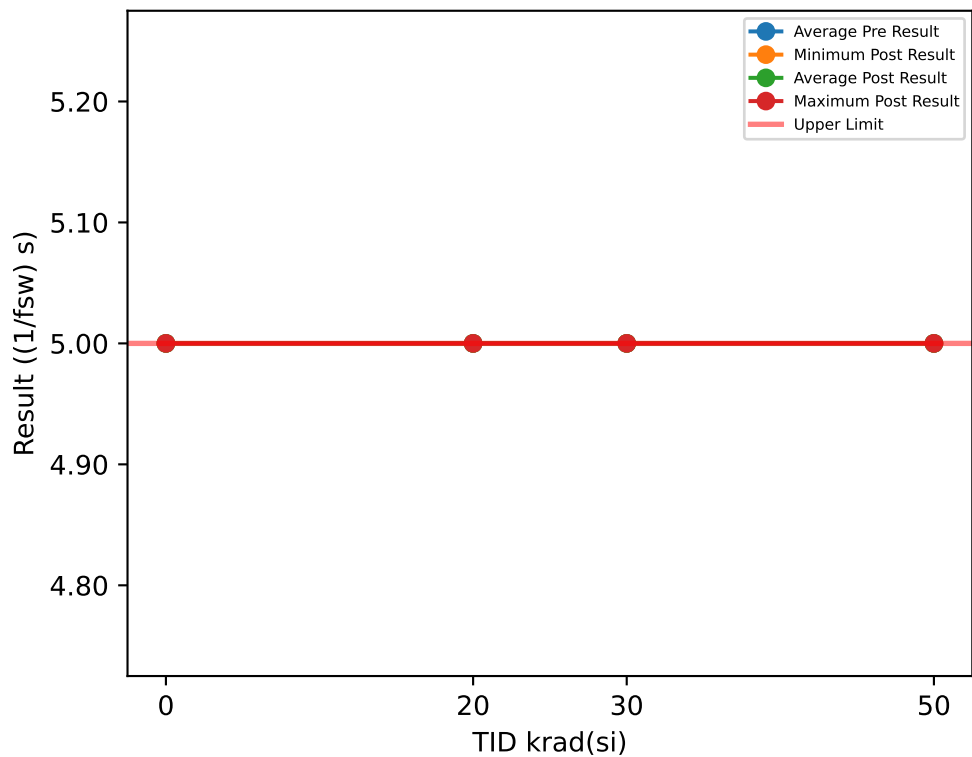


Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

Device Test: 20.118 FREQ|DETECTION/SYNC/8/8/0/0/5/500kHz//@T_SYNC_DET

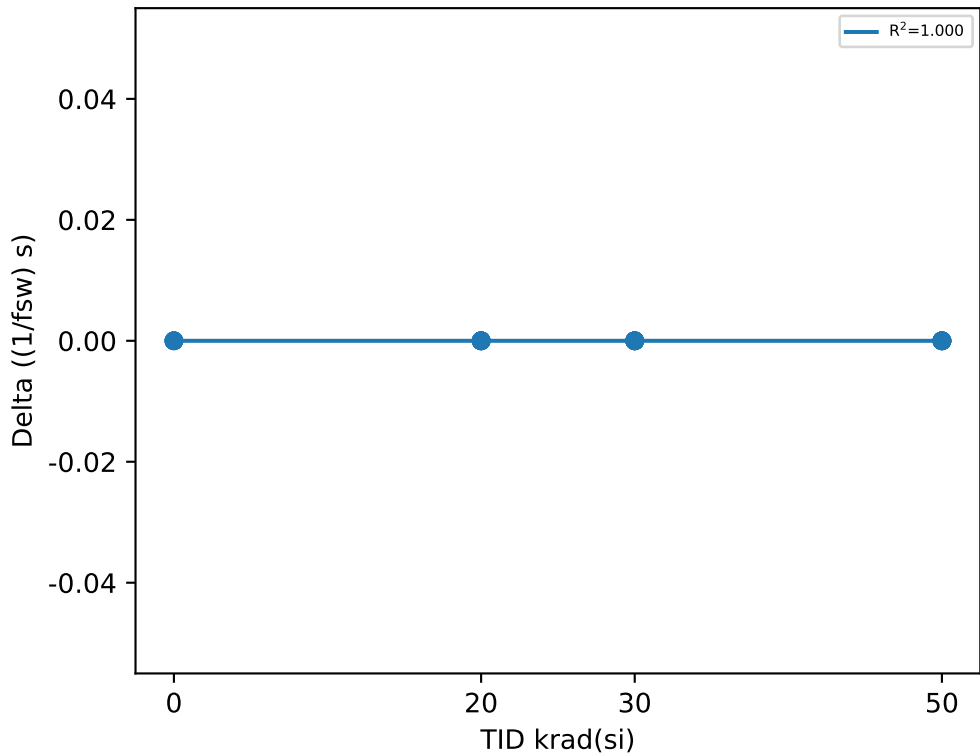
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

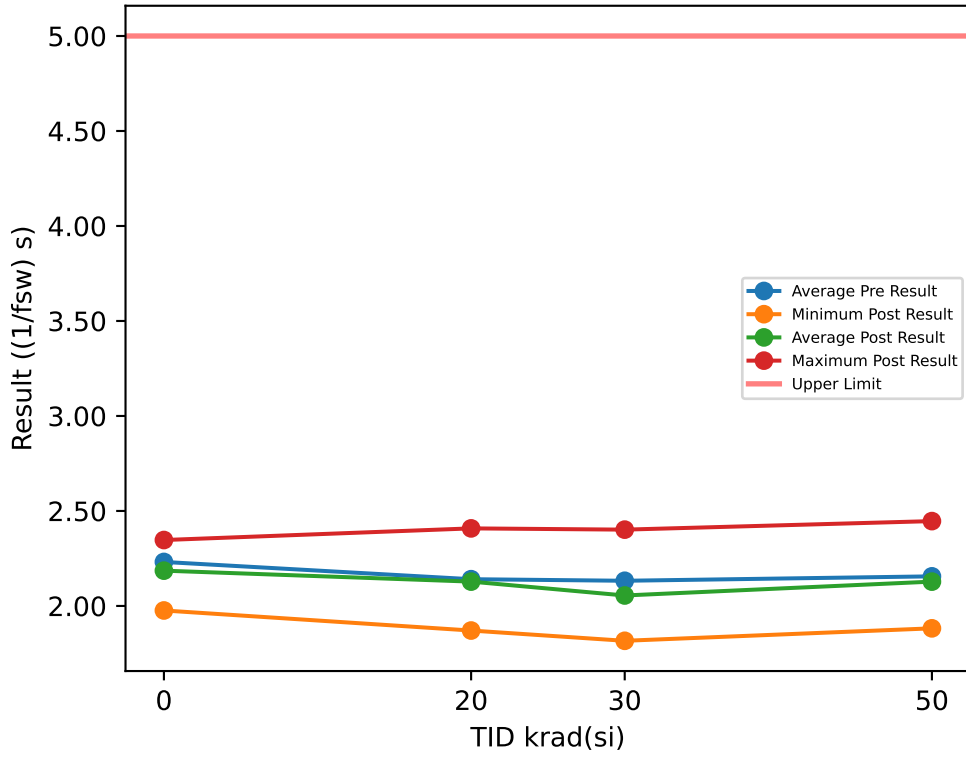
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

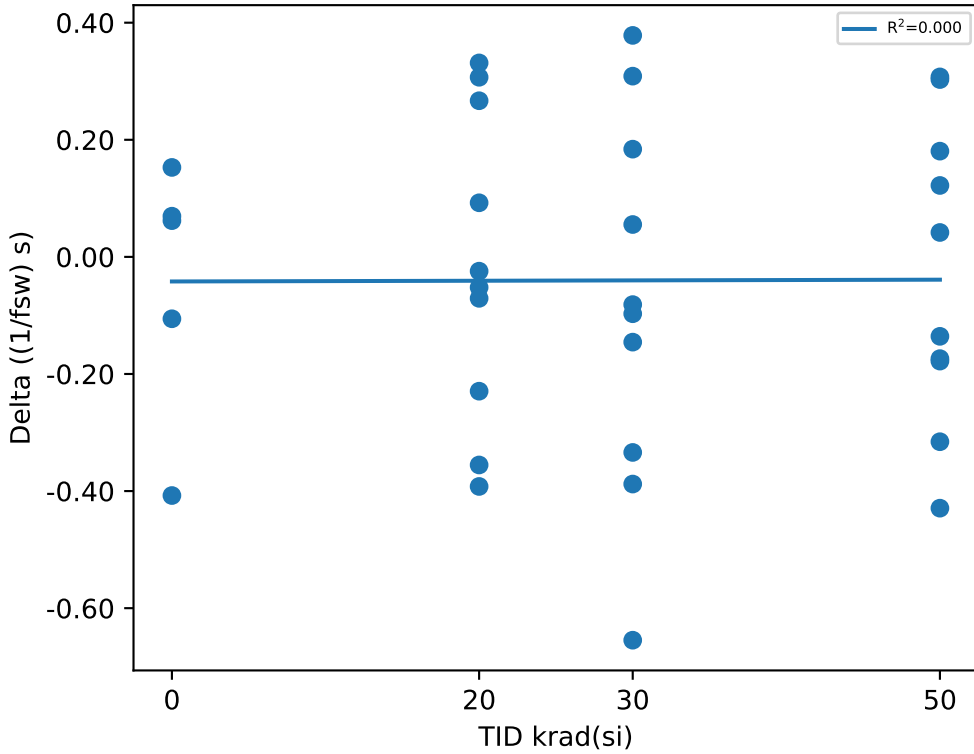
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.4791	2.4083	-0.0708
371	20	Unbiased	2.0276	2.3344	0.3068
383	20	Unbiased	2.0155	2.2822	0.2667
390	50	Unbiased	2.3711	1.9419	-0.4292
444	30	Unbiased	2.034	1.9369	-0.0971
509	30	Unbiased	1.9293	1.8478	-0.0815
558	0	Correlation	2.2851	2.347	0.0619
724	20	Biased	1.895	1.8706	-0.0244
744	50	Biased	2.2626	2.3846	0.122
799	50	Biased	2.1392	2.4466	0.3074
842	30	Unbiased	2.4713	1.8166	-0.6547
930	50	Unbiased	2.1828	2.0471	-0.1357
964	20	Unbiased	2.3075	2.0781	-0.2294
1056	0	Correlation	2.3416	2.2359	-0.1057
1095	50	Unbiased	2.0841	2.387	0.3029
1099	0	Correlation	2.1798	2.2493	0.0695
1215	50	Unbiased	2.2561	2.0823	-0.1738
1229	50	Unbiased	1.9877	2.1683	0.1806
1297	20	Biased	2.3242	1.9321	-0.3921
1331	30	Unbiased	2.2177	2.4017	0.184
1337	20	Biased	2.241	2.1889	-0.0521
1359	30	Biased	2.1933	1.8593	-0.334
1375	30	Unbiased	2.4186	2.0306	-0.388
1398	30	Biased	2.1265	2.1818	0.0553
1401	20	Biased	2.322	1.9666	-0.3554
1411	50	Biased	2.1979	1.8822	-0.3157
1474	50	Biased	1.9047	1.9464	0.0417
1500	20	Unbiased	1.9357	2.267	0.3313
1504	50	Biased	2.1722	1.9942	-0.178
1662	30	Biased	2.0053	1.8597	-0.1456
1703	30	Biased	1.9343	2.3126	0.3783
1736	30	Biased	1.9953	2.304	0.3087
1737	0	Correlation	1.9678	2.1206	0.1528
1748	0	Correlation	2.3838	1.9762	-0.4076
1794	20	Biased	1.8607	1.9531	0.0924

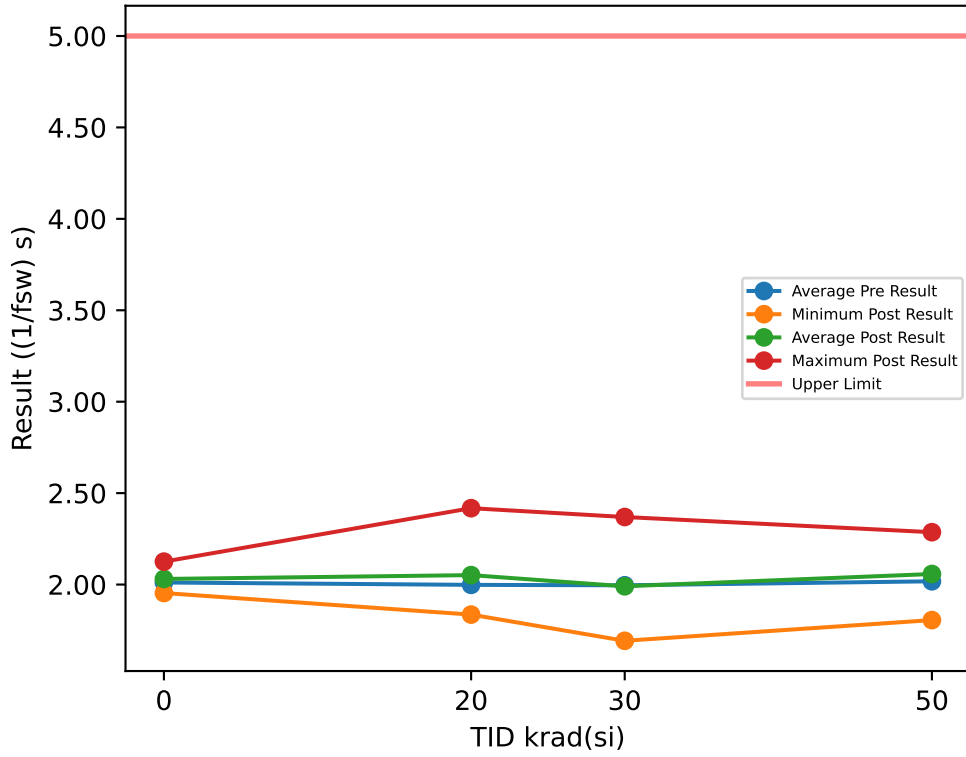
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9678	2.2316	2.3838	0.16613	1.9762	2.1858	2.347	0.14205	-0.4076	-0.04582	0.1528	0.22295
20	1.8607	2.1408	2.4791	0.21812	1.8706	2.1281	2.4083	0.19199	-0.3921	-0.0127	0.3313	0.26309
30	1.9293	2.1326	2.4713	0.19233	1.8166	2.0551	2.4017	0.22494	-0.6547	-0.07746	0.3783	0.32375
50	1.9047	2.1558	2.3711	0.13635	1.8822	2.1281	2.4466	0.20833	-0.4292	-0.02778	0.3074	0.25646

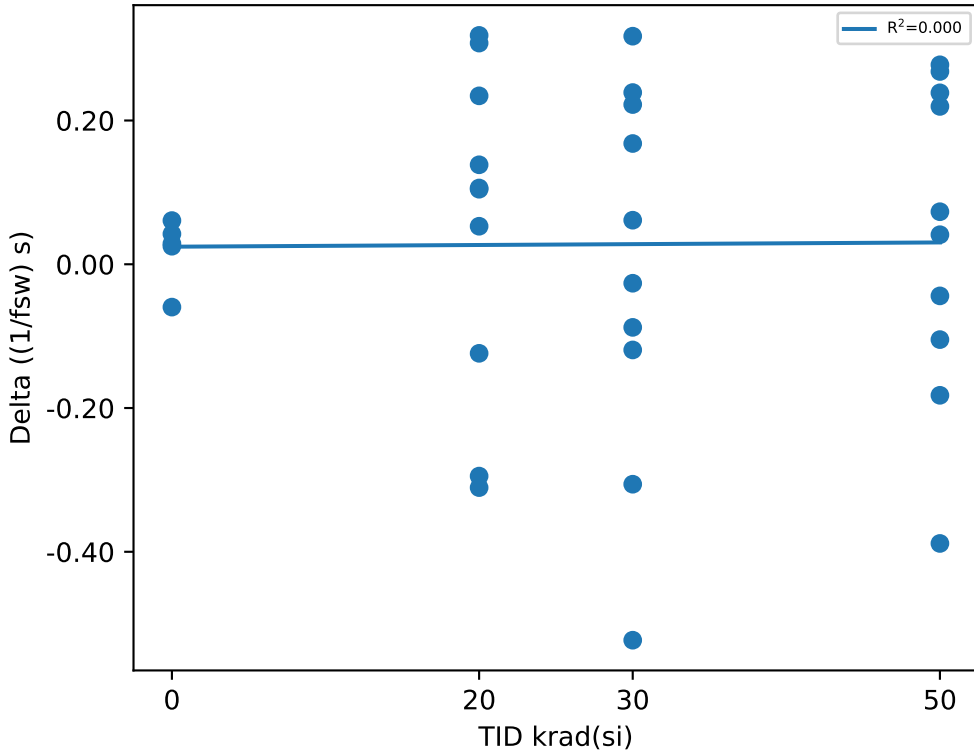
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.11	2.4177	0.3077
371	20	Unbiased	1.9346	2.1689	0.2343
383	20	Unbiased	1.9541	2.2725	0.3184
390	50	Unbiased	2.0649	1.9601	-0.1048
444	30	Unbiased	2.0822	1.9944	-0.0878
509	30	Unbiased	1.7955	1.8568	0.0613
558	0	Correlation	2.049	2.1098	0.0608
724	20	Biased	1.7249	1.8633	0.1384
744	50	Biased	2.2133	2.2864	0.0731
799	50	Biased	1.9118	2.1893	0.2775
842	30	Unbiased	1.98	1.8608	-0.1192
930	50	Unbiased	1.9796	2.1992	0.2196
964	20	Unbiased	2.1978	1.9031	-0.2947
1056	0	Correlation	2.1002	2.1253	0.0251
1095	50	Unbiased	1.8306	2.0988	0.2682
1099	0	Correlation	2.0398	1.9802	-0.0596
1215	50	Unbiased	2.194	1.8056	-0.3884
1229	50	Unbiased	1.8844	2.1229	0.2385
1297	20	Biased	2.0655	1.9416	-0.1239
1331	30	Unbiased	2.0901	2.2581	0.168
1337	20	Biased	2.0884	2.1945	0.1061
1359	30	Biased	2.2154	1.6924	-0.523
1375	30	Unbiased	2.19	1.884	-0.306
1398	30	Biased	2.1472	2.3694	0.2222
1401	20	Biased	2.1464	1.8357	-0.3107
1411	50	Biased	1.998	1.954	-0.044
1474	50	Biased	1.9016	1.9427	0.0411
1500	20	Unbiased	1.8913	1.9957	0.1044
1504	50	Biased	2.1999	2.0176	-0.1823
1662	30	Biased	1.8904	1.864	-0.0264
1703	30	Biased	1.8456	2.1629	0.3173
1736	30	Biased	1.7234	1.9623	0.2389
1737	0	Correlation	1.9421	1.9843	0.0422
1748	0	Correlation	1.925	1.9537	0.0287
1794	20	Biased	1.8701	1.923	0.0529

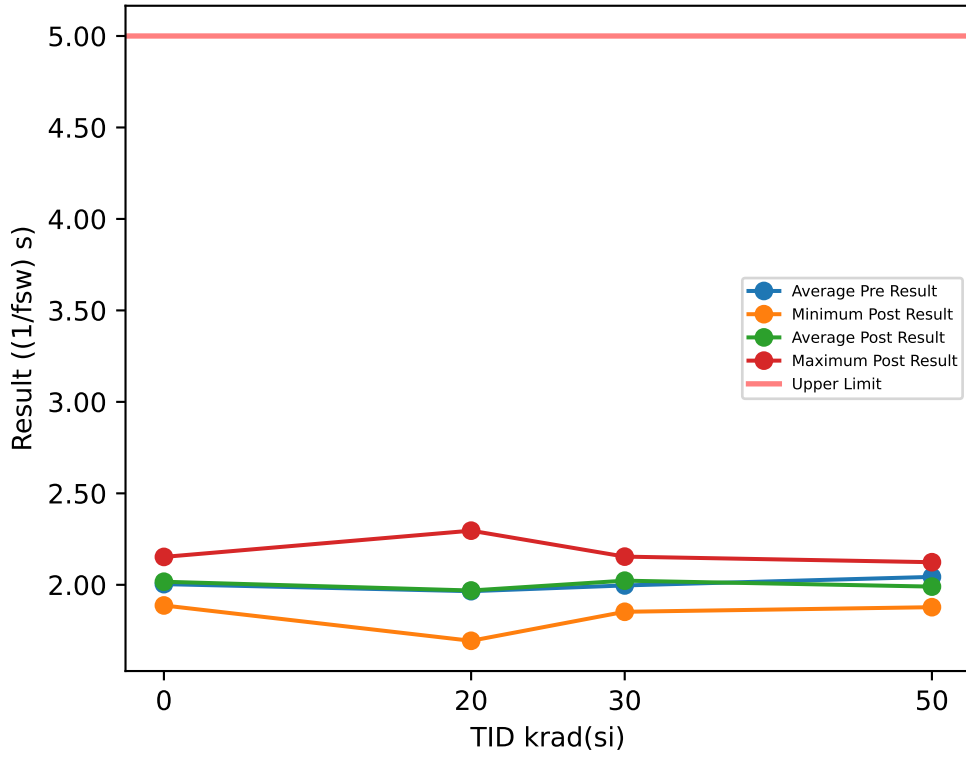
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.925	2.0112	2.1002	0.074788	1.9537	2.0307	2.1253	0.080371	-0.0596	0.01944	0.0608	0.046351
20	1.7249	1.9983	2.1978	0.14738	1.8357	2.0516	2.4177	0.19802	-0.3107	0.05329	0.3184	0.2274
30	1.7234	1.996	2.2154	0.17431	1.6924	1.9905	2.3694	0.20992	-0.523	-0.00547	0.3173	0.26428
50	1.8306	2.0178	2.2133	0.14301	1.8056	2.0577	2.2864	0.14691	-0.3884	0.03985	0.2775	0.22166

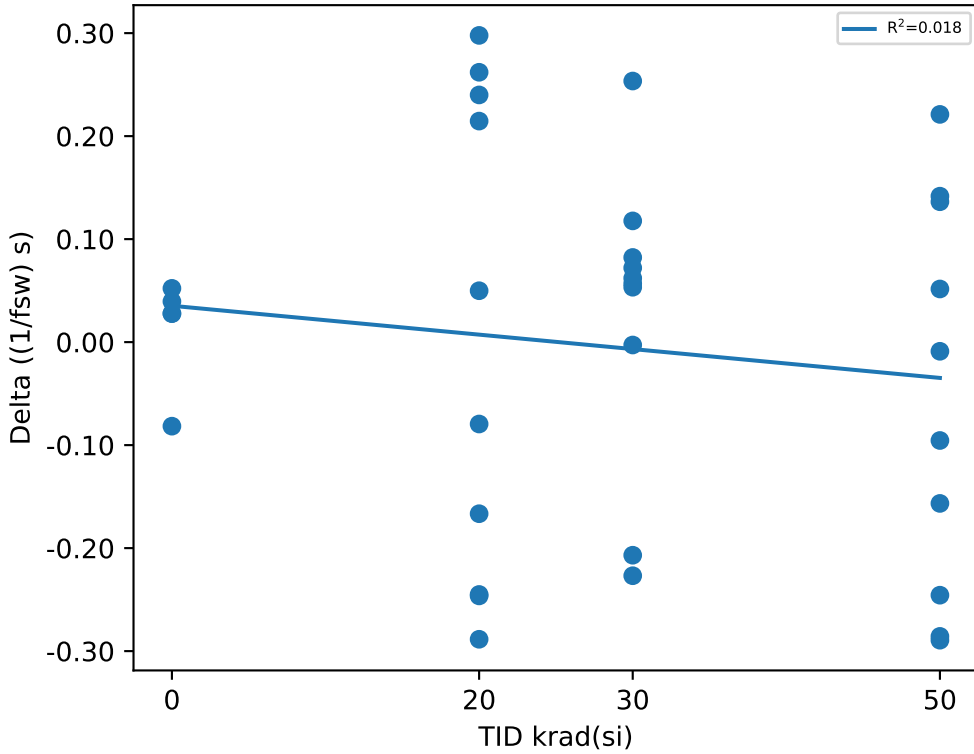
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.1091	2.0296	-0.0795
371	20	Unbiased	1.8645	2.1045	0.24
383	20	Unbiased	1.864	2.0786	0.2146
390	50	Unbiased	2.2024	1.9167	-0.2857
444	30	Unbiased	1.9957	2.0526	0.0569
509	30	Unbiased	1.9428	2.0149	0.0721
558	0	Correlation	2.0919	2.1196	0.0277
724	20	Biased	1.9404	1.694	-0.2464
744	50	Biased	2.1671	1.8777	-0.2894
799	50	Biased	1.9819	2.1236	0.1417
842	30	Unbiased	2.1554	1.9286	-0.2268
930	50	Unbiased	2.0864	2.0775	-0.0089
964	20	Unbiased	2.0745	1.786	-0.2885
1056	0	Correlation	2.113	2.1525	0.0395
1095	50	Unbiased	1.9254	1.977	0.0516
1099	0	Correlation	1.9557	2.0079	0.0522
1215	50	Unbiased	2.1488	1.9922	-0.1566
1229	50	Unbiased	1.8929	2.114	0.2211
1297	20	Biased	2.1556	1.9106	-0.245
1331	30	Unbiased	2.0946	2.1479	0.0533
1337	20	Biased	2.034	2.296	0.262
1359	30	Biased	2.0595	1.8526	-0.2069
1375	30	Unbiased	1.9855	2.0677	0.0822
1398	30	Biased	2.1186	2.1158	-0.0028
1401	20	Biased	1.9597	1.7931	-0.1666
1411	50	Biased	2.1677	1.922	-0.2457
1474	50	Biased	1.8191	1.9554	0.1363
1500	20	Unbiased	1.7733	2.0711	0.2978
1504	50	Biased	2.0417	1.9462	-0.0955
1662	30	Biased	1.8913	2.009	0.1177
1703	30	Biased	1.9006	2.1541	0.2535
1736	30	Biased	1.8218	1.8839	0.0621
1737	0	Correlation	1.8594	1.8872	0.0278
1748	0	Correlation	1.999	1.9174	-0.0816
1794	20	Biased	1.8762	1.9261	0.0499

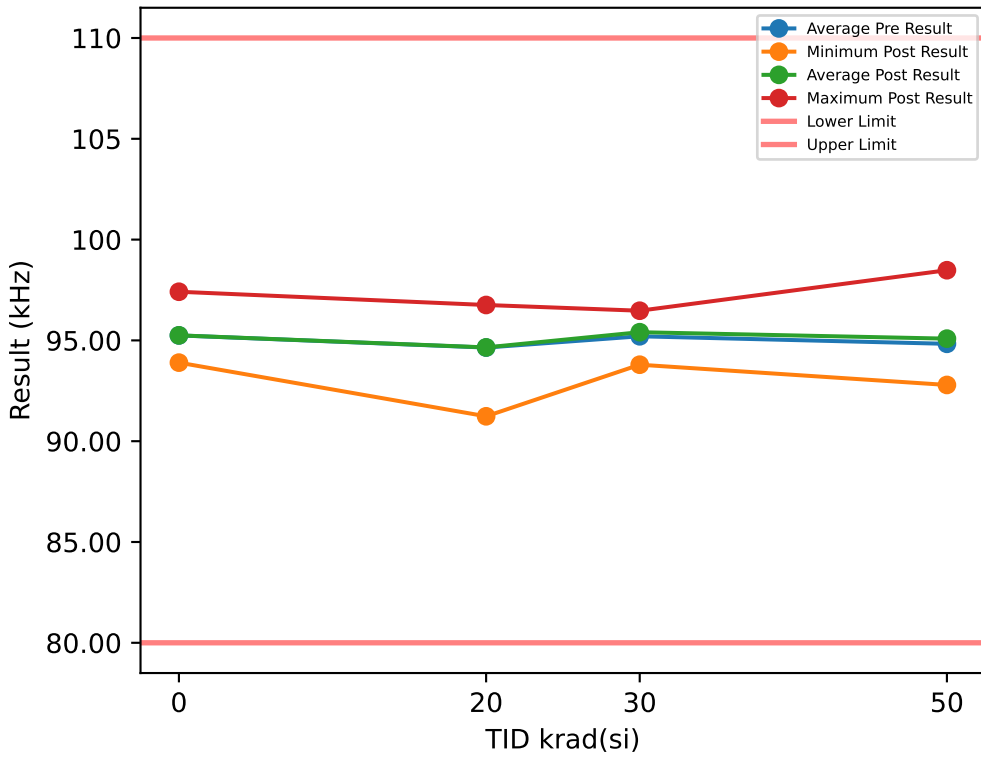
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8594	2.0038	2.113	0.10353	1.8872	2.0169	2.1525	0.11804	-0.0816	0.01312	0.0522	0.053905
20	1.7733	1.9651	2.1556	0.12446	1.694	1.969	2.296	0.18157	-0.2885	0.00383	0.2978	0.23603
30	1.8218	1.9966	2.1554	0.10931	1.8526	2.0227	2.1541	0.10637	-0.2268	0.02613	0.2535	0.14431
50	1.8191	2.0433	2.2024	0.13319	1.8777	1.9902	2.1236	0.086138	-0.2894	-0.05311	0.2211	0.18899

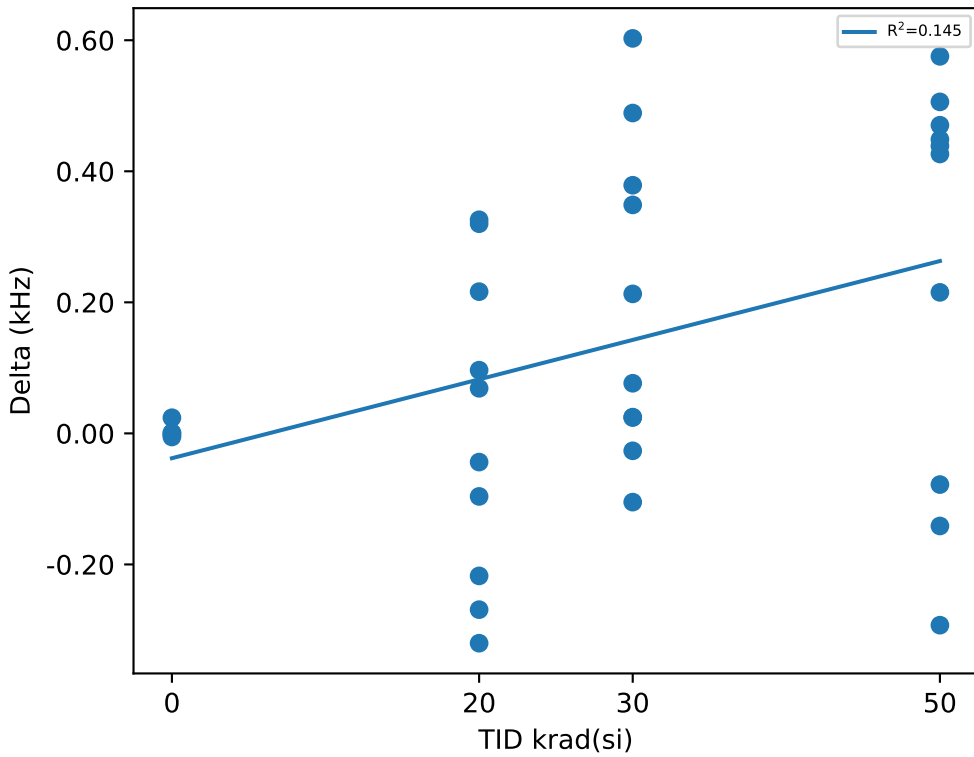
TID vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	91.504	91.235	-0.269
371	20	Unbiased	95.675	95.771	0.0965
383	20	Unbiased	95.139	95.043	-0.0962
390	50	Unbiased	94.538	94.977	0.4387
444	30	Unbiased	96.094	96.472	0.3787
509	30	Unbiased	95.999	96.024	0.0248
558	0	Correlation	95.325	95.322	-0.0027
724	20	Biased	96.8	96.756	-0.0438
744	50	Biased	93.105	93.531	0.4264
799	50	Biased	93.083	92.79	-0.2927
842	30	Unbiased	93.445	93.794	0.3487
930	50	Unbiased	97.975	98.481	0.5059
964	20	Unbiased	94.703	94.485	-0.2175
1056	0	Correlation	94.825	94.826	0.001
1095	50	Unbiased	96.355	96.931	0.5754
1099	0	Correlation	97.389	97.413	0.0239
1215	50	Unbiased	95.269	95.191	-0.0781
1229	50	Unbiased	94.262	94.478	0.2152
1297	20	Biased	93.353	93.679	0.326
1331	30	Unbiased	94.603	94.498	-0.1049
1337	20	Biased	94.681	94.898	0.2163
1359	30	Biased	95.815	96.417	0.6028
1375	30	Unbiased	95.11	95.083	-0.0266
1398	30	Biased	95.609	95.822	0.2129
1401	20	Biased	95.029	94.709	-0.3202
1411	50	Biased	94.427	94.875	0.4486
1474	50	Biased	94.838	94.697	-0.1413
1500	20	Unbiased	96.348	96.417	0.0688
1504	50	Biased	94.451	94.922	0.4703
1662	30	Biased	94.975	95.464	0.4889
1703	30	Biased	94.754	94.778	0.0242
1736	30	Biased	95.634	95.711	0.0765
1737	0	Correlation	93.897	93.897	0.0004
1748	0	Correlation	94.799	94.793	-0.0055
1794	20	Biased	93.211	93.531	0.32

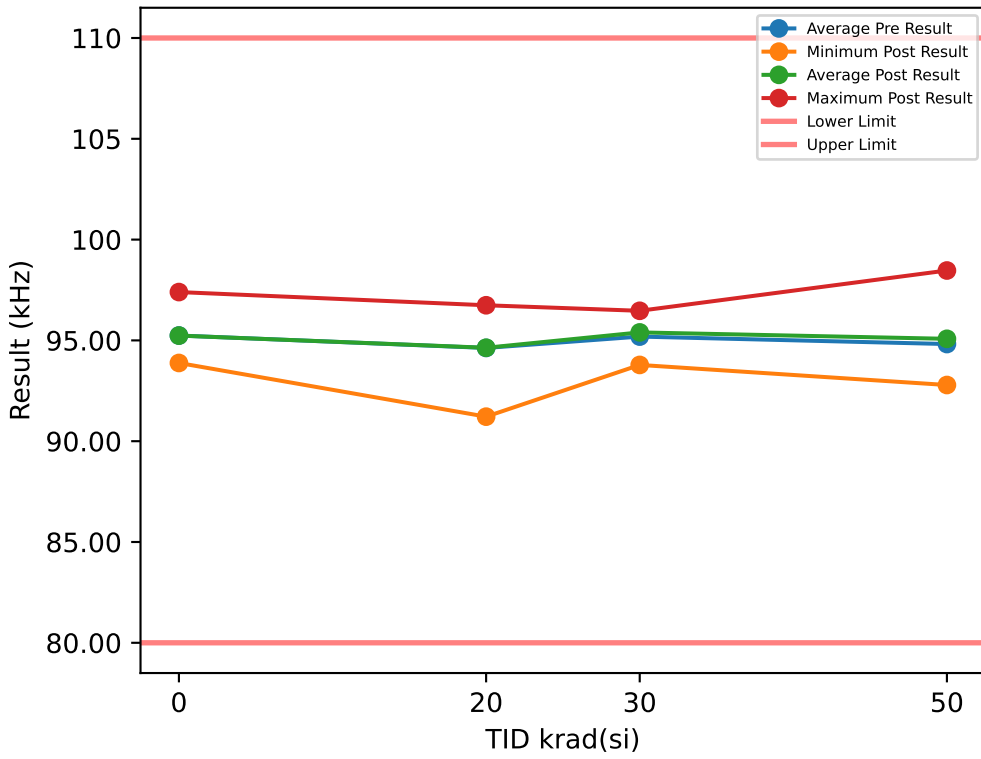
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.897	95.247	97.389	1.3036	93.897	95.251	97.413	1.3137	-0.0055	0.00342	0.0239	0.011741
20	91.504	94.644	96.8	1.5846	91.235	94.652	96.756	1.5959	-0.3202	0.00809	0.326	0.23623
30	93.445	95.204	96.094	0.80713	93.794	95.406	96.472	0.86486	-0.1049	0.2026	0.6028	0.24061
50	93.083	94.83	97.975	1.4588	92.79	95.087	98.481	1.6067	-0.2927	0.25684	0.5754	0.31307

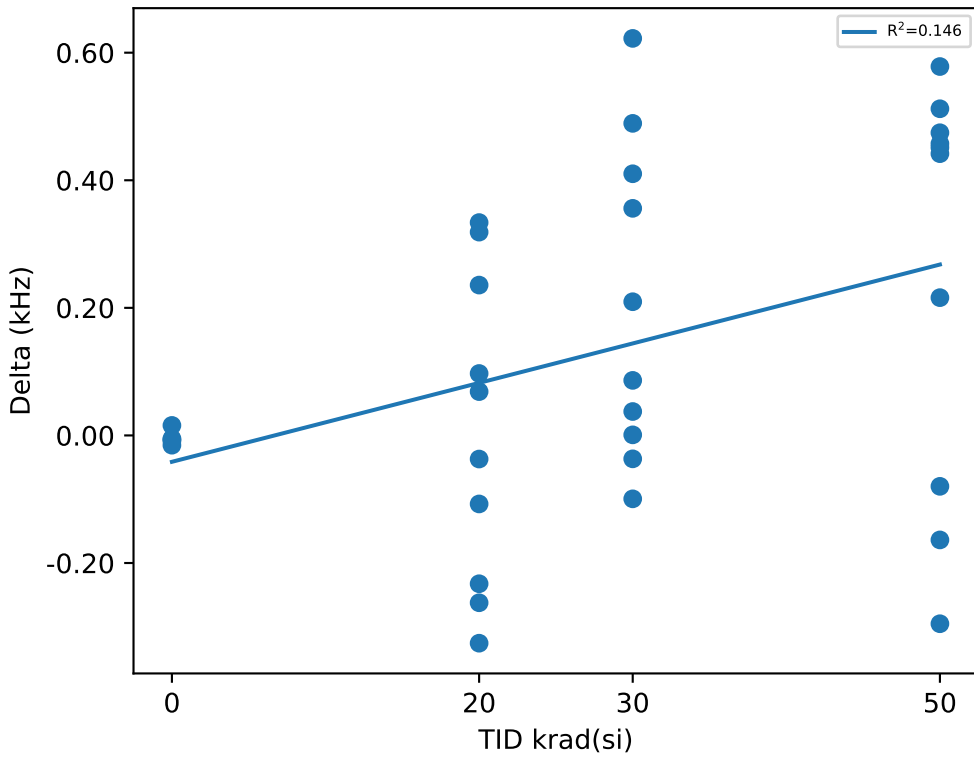
TID vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	91.479	91.217	-0.2623
371	20	Unbiased	95.655	95.752	0.0971
383	20	Unbiased	95.117	95.009	-0.1074
390	50	Unbiased	94.523	94.981	0.4574
444	30	Unbiased	96.058	96.468	0.4102
509	30	Unbiased	96.007	96.008	0.0009
558	0	Correlation	95.324	95.309	-0.0153
724	20	Biased	96.78	96.743	-0.037
744	50	Biased	93.079	93.521	0.4417
799	50	Biased	93.082	92.787	-0.2952
842	30	Unbiased	93.427	93.783	0.356
930	50	Unbiased	97.955	98.467	0.5121
964	20	Unbiased	94.699	94.467	-0.2325
1056	0	Correlation	94.83	94.824	-0.0065
1095	50	Unbiased	96.344	96.922	0.5783
1099	0	Correlation	97.382	97.397	0.0157
1215	50	Unbiased	95.25	95.17	-0.0798
1229	50	Unbiased	94.246	94.462	0.216
1297	20	Biased	93.329	93.663	0.3337
1331	30	Unbiased	94.582	94.482	-0.0994
1337	20	Biased	94.649	94.884	0.2357
1359	30	Biased	95.795	96.417	0.6224
1375	30	Unbiased	95.107	95.07	-0.0367
1398	30	Biased	95.599	95.809	0.2096
1401	20	Biased	95.017	94.691	-0.3257
1411	50	Biased	94.422	94.874	0.4514
1474	50	Biased	94.848	94.684	-0.1638
1500	20	Unbiased	96.334	96.403	0.0687
1504	50	Biased	94.446	94.921	0.4745
1662	30	Biased	94.972	95.461	0.4892
1703	30	Biased	94.732	94.769	0.0375
1736	30	Biased	95.609	95.695	0.0863
1737	0	Correlation	93.889	93.88	-0.0085
1748	0	Correlation	94.785	94.78	-0.005
1794	20	Biased	93.2	93.519	0.3187

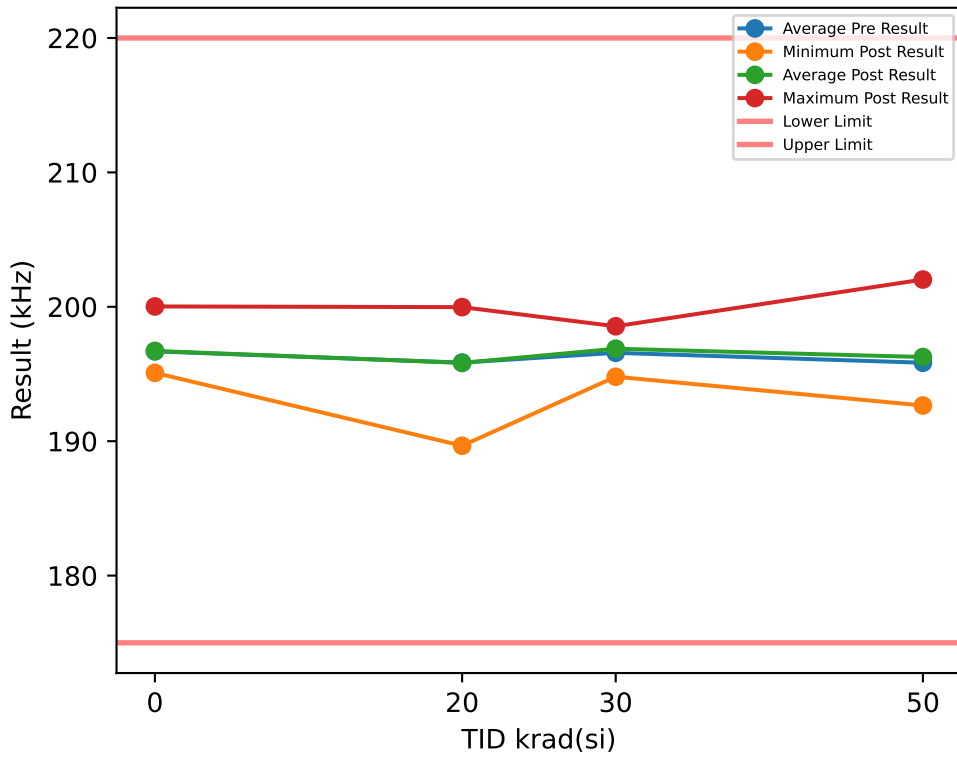
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.889	95.242	97.382	1.3032	93.88	95.238	97.397	1.3126	-0.0153	-0.00392	0.0157	0.011654
20	91.479	94.626	96.78	1.5857	91.217	94.635	96.743	1.5959	-0.3257	0.0089	0.3337	0.24122
30	93.427	95.189	96.058	0.80773	93.783	95.396	96.468	0.86705	-0.0994	0.2076	0.6224	0.24827
50	93.079	94.82	97.955	1.4568	92.787	95.079	98.467	1.6048	-0.2952	0.25926	0.5783	0.32055

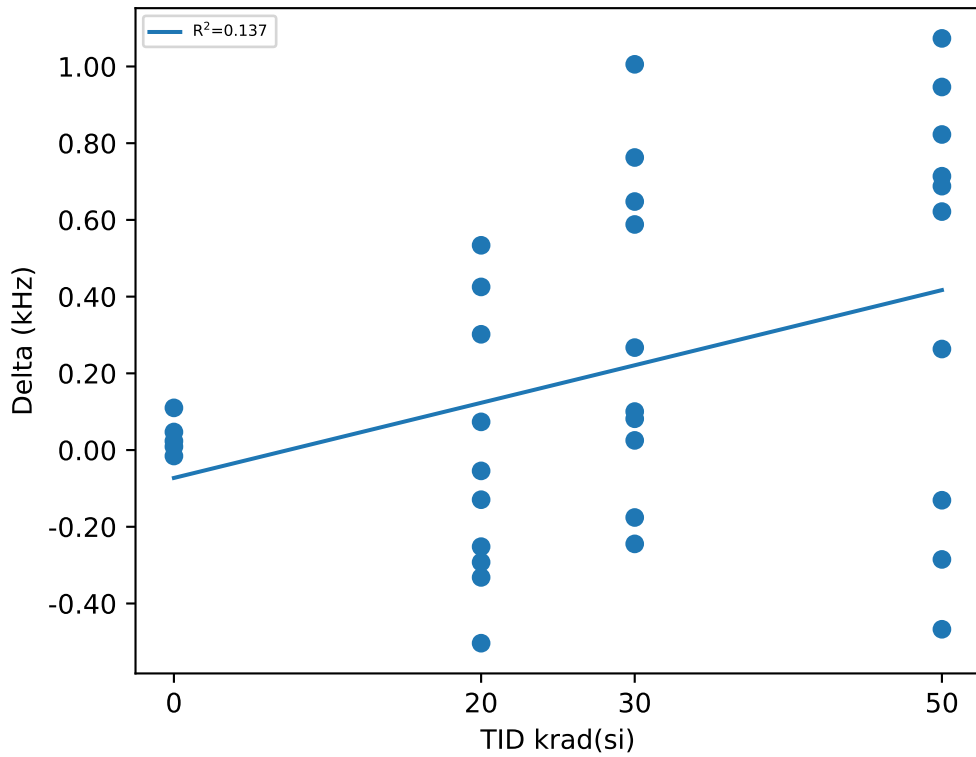
TID vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	189.99	189.66	-0.332
371	20	Unbiased	197.55	197.62	0.0735
383	20	Unbiased	196.38	196.13	-0.2518
390	50	Unbiased	194.96	195.78	0.8227
444	30	Unbiased	197.9	198.55	0.6479
509	30	Unbiased	197.94	197.76	-0.1758
558	0	Correlation	196.58	196.61	0.0235
724	20	Biased	200.03	199.98	-0.0543
744	50	Biased	193.04	193.66	0.6217
799	50	Biased	193.12	192.66	-0.4672
842	30	Unbiased	194.21	194.8	0.5881
930	50	Unbiased	201.31	202.03	0.7139
964	20	Unbiased	196.31	196.01	-0.2924
1056	0	Correlation	195.92	195.93	0.009
1095	50	Unbiased	198.46	199.14	0.688
1099	0	Correlation	199.98	200.03	0.0471
1215	50	Unbiased	196.16	196.03	-0.1308
1229	50	Unbiased	195.01	195.27	0.2634
1297	20	Biased	193.77	194.3	0.5338
1331	30	Unbiased	195.44	195.2	-0.2446
1337	20	Biased	195.79	196.09	0.3018
1359	30	Biased	197.29	198.3	1.0056
1375	30	Unbiased	195.85	195.87	0.0252
1398	30	Biased	196.98	197.25	0.2671
1401	20	Biased	196.36	195.86	-0.5035
1411	50	Biased	195.19	196.14	0.9465
1474	50	Biased	195.87	195.58	-0.2851
1500	20	Unbiased	199.1	198.97	-0.1294
1504	50	Biased	195.27	196.34	1.0732
1662	30	Biased	196.77	197.53	0.7627
1703	30	Biased	195.7	195.8	0.1004
1736	30	Biased	197.67	197.76	0.0816
1737	0	Correlation	195.1	195.09	-0.0155
1748	0	Correlation	195.83	195.94	0.11
1794	20	Biased	193.19	193.61	0.4253

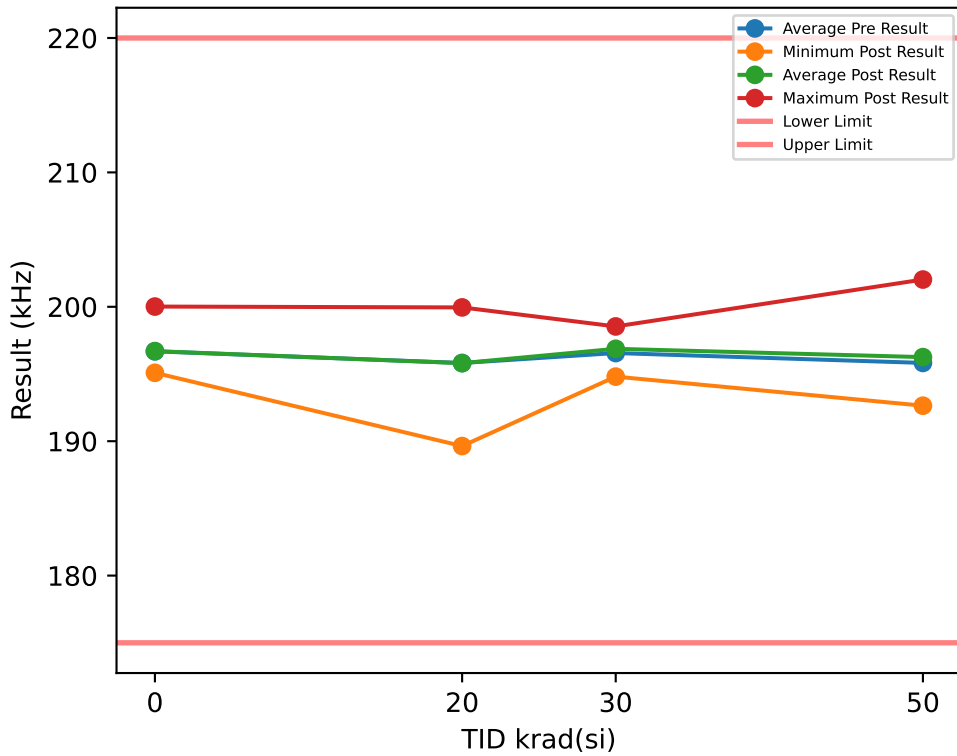
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	195.1	196.68	199.98	1.9159	195.09	196.72	200.03	1.9265	-0.0155	0.03482	0.11	0.047775
20	189.99	195.85	200.03	2.9321	189.66	195.82	199.98	2.9008	-0.5035	-0.0229	0.5338	0.34791
30	194.21	196.58	197.94	1.2352	194.8	196.88	198.55	1.3441	-0.2446	0.30582	1.0056	0.422
50	193.04	195.84	201.31	2.4579	192.66	196.26	202.03	2.6475	-0.4672	0.42463	1.0732	0.54537

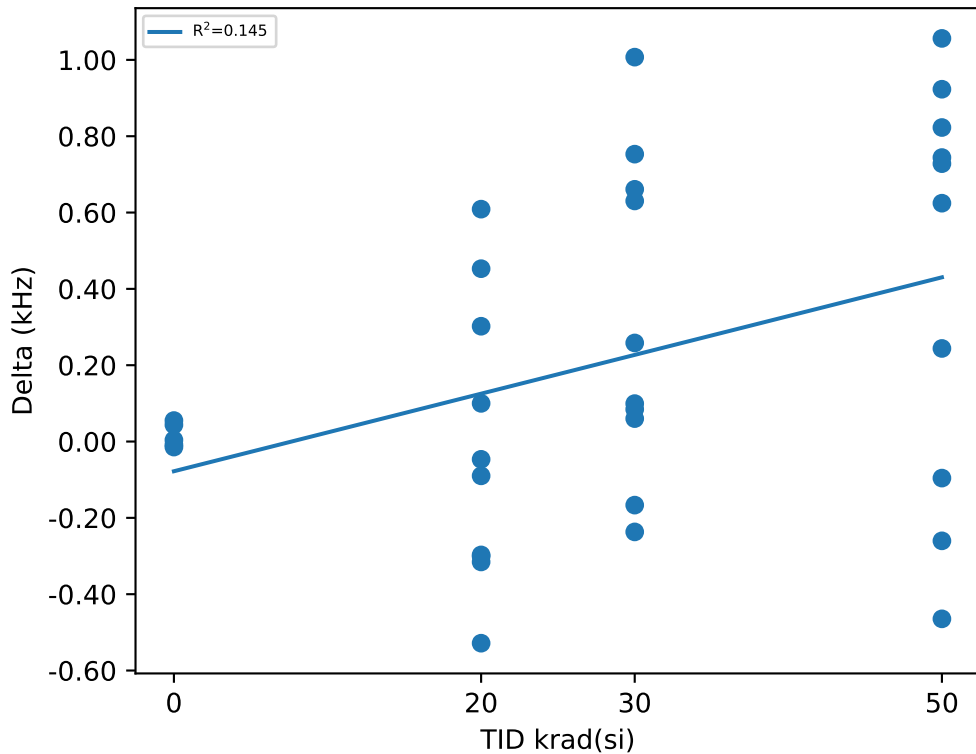
TID vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	189.95	189.64	-0.3155
371	20	Unbiased	197.51	197.61	0.1
383	20	Unbiased	196.39	196.09	-0.2971
390	50	Unbiased	194.96	195.79	0.8228
444	30	Unbiased	197.88	198.54	0.6609
509	30	Unbiased	197.92	197.75	-0.1666
558	0	Correlation	196.6	196.6	-0.0084
724	20	Biased	200	199.95	-0.0466
744	50	Biased	193.02	193.64	0.6245
799	50	Biased	193.11	192.64	-0.4646
842	30	Unbiased	194.17	194.8	0.6304
930	50	Unbiased	201.3	202.03	0.7281
964	20	Unbiased	196.3	196	-0.3009
1056	0	Correlation	195.91	195.92	0.004
1095	50	Unbiased	198.4	199.14	0.7441
1099	0	Correlation	199.96	200.02	0.055
1215	50	Unbiased	196.13	196.03	-0.0958
1229	50	Unbiased	195.01	195.26	0.2439
1297	20	Biased	193.7	194.31	0.6089
1331	30	Unbiased	195.44	195.2	-0.2368
1337	20	Biased	195.78	196.08	0.3021
1359	30	Biased	197.27	198.27	1.0072
1375	30	Unbiased	195.81	195.87	0.0601
1398	30	Biased	196.97	197.23	0.2583
1401	20	Biased	196.34	195.81	-0.5284
1411	50	Biased	195.2	196.12	0.9231
1474	50	Biased	195.85	195.59	-0.2602
1500	20	Unbiased	199.07	198.98	-0.0899
1504	50	Biased	195.27	196.32	1.0563
1662	30	Biased	196.78	197.53	0.753
1703	30	Biased	195.7	195.8	0.0994
1736	30	Biased	197.66	197.75	0.0844
1737	0	Correlation	195.1	195.09	-0.0145
1748	0	Correlation	195.85	195.89	0.0437
1794	20	Biased	193.14	193.59	0.4529

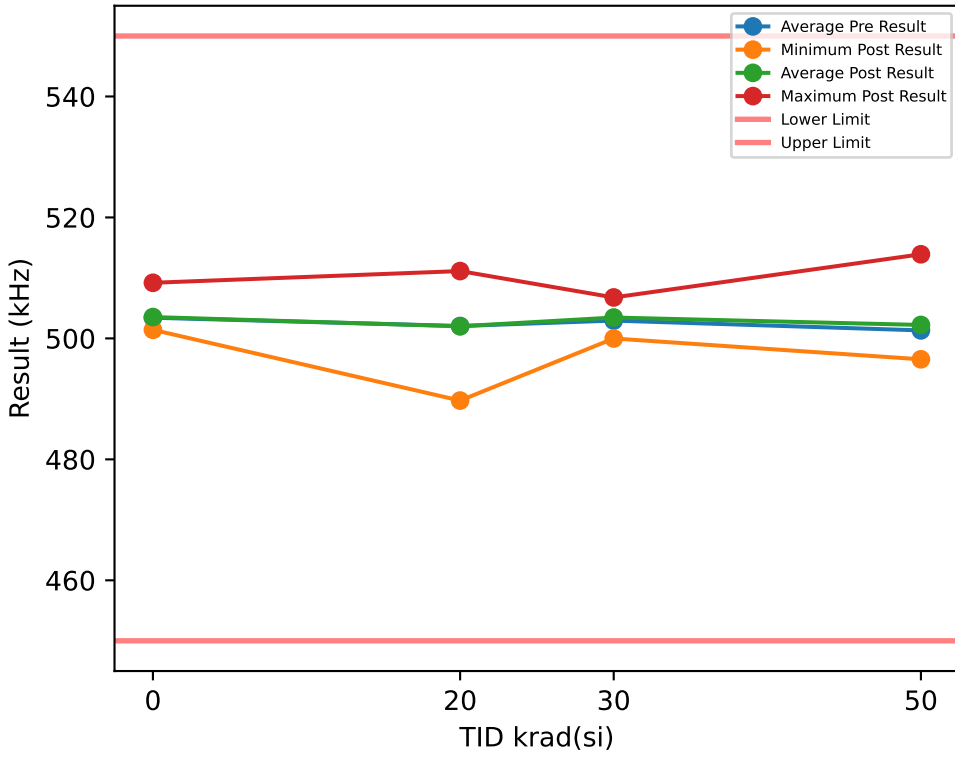
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	195.1	196.69	199.96	1.9071	195.09	196.7	200.02	1.9288	-0.0145	0.01596	0.055	0.031456
20	189.95	195.82	200	2.9403	189.64	195.81	199.95	2.9041	-0.5284	-0.01145	0.6089	0.37173
30	194.17	196.56	197.92	1.2367	194.8	196.87	198.54	1.3361	-0.2368	0.31503	1.0072	0.4209
50	193.02	195.82	201.3	2.4508	192.64	196.26	202.03	2.6514	-0.4646	0.43222	1.0563	0.53777

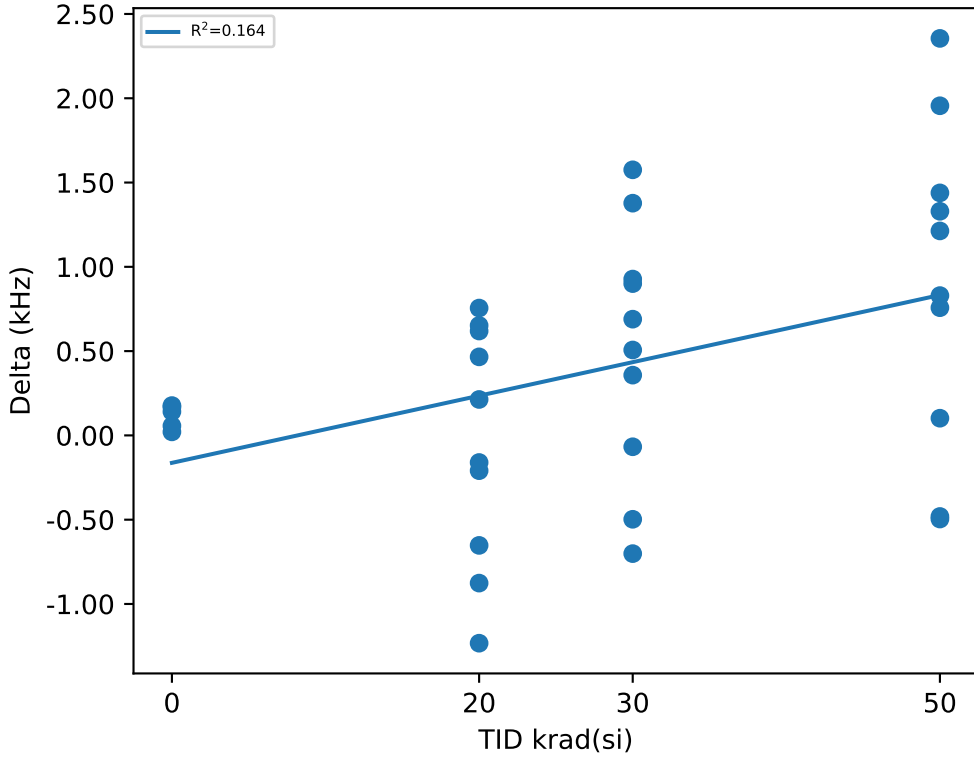
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	489.93	489.72	-0.2092
371	20	Unbiased	504.84	505.31	0.4659
383	20	Unbiased	502.46	501.81	-0.6525
390	50	Unbiased	498.49	499.82	1.3295
444	30	Unbiased	504.87	505.77	0.9005
509	30	Unbiased	504.8	504.1	-0.7013
558	0	Correlation	502.74	502.79	0.0566
724	20	Biased	510.92	511.13	0.2132
744	50	Biased	496.82	497.65	0.8294
799	50	Biased	496.44	496.55	0.102
842	30	Unbiased	500.23	500.74	0.5067
930	50	Unbiased	512.69	513.91	1.213
964	20	Unbiased	504.2	503.32	-0.8762
1056	0	Correlation	502.52	502.7	0.177
1095	50	Unbiased	505.8	507.24	1.4386
1099	0	Correlation	509.05	509.19	0.1411
1215	50	Unbiased	500.84	500.34	-0.4961
1229	50	Unbiased	499.79	500.55	0.7576
1297	20	Biased	498.59	499.35	0.7554
1331	30	Unbiased	500.76	500.26	-0.4976
1337	20	Biased	501.98	502.6	0.6192
1359	30	Biased	503.62	505.2	1.5755
1375	30	Unbiased	500.05	499.99	-0.0674
1398	30	Biased	503.54	503.9	0.3575
1401	20	Biased	502.89	501.66	-1.2327
1411	50	Biased	500.66	502.61	1.9555
1474	50	Biased	500.93	500.45	-0.481
1500	20	Unbiased	508.76	508.6	-0.1607
1504	50	Biased	500.77	503.13	2.3551
1662	30	Biased	505.04	506.42	1.3776
1703	30	Biased	500.45	501.38	0.9274
1736	30	Biased	506.08	506.77	0.6895
1737	0	Correlation	501.37	501.53	0.1681
1748	0	Correlation	501.4	501.42	0.0209
1794	20	Biased	495.9	496.55	0.652

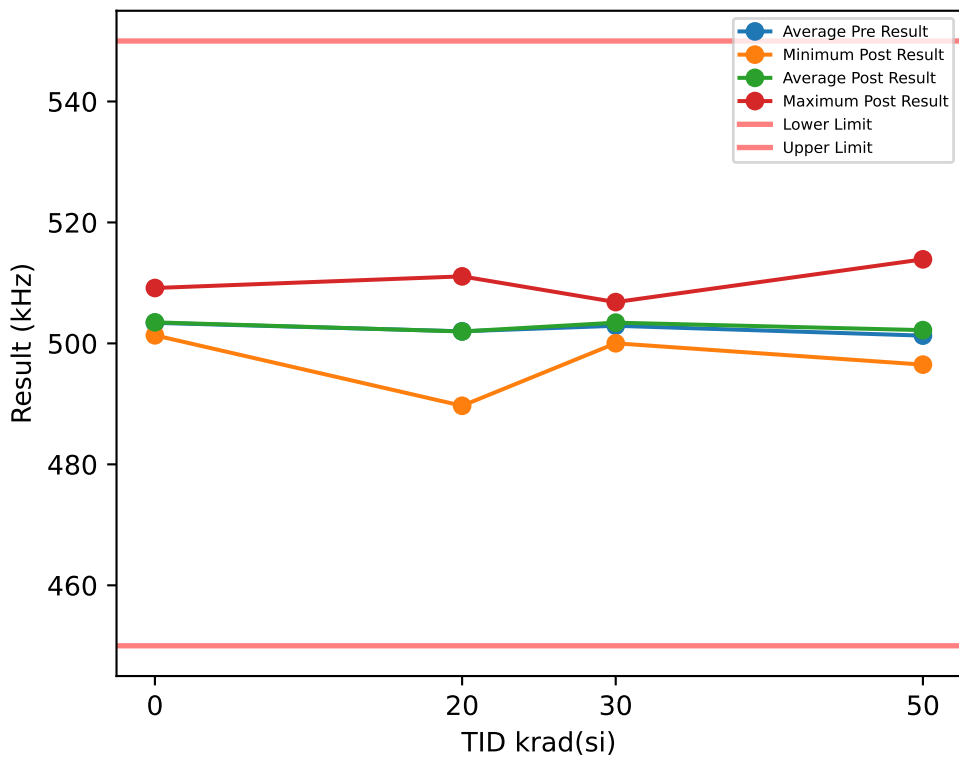
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.37	503.42	509.05	3.2135	501.42	503.53	509.19	3.2307	0.0209	0.11274	0.177	0.069973
20	489.93	502.05	510.92	6.0891	489.72	502	511.13	6.0341	-1.2327	-0.04256	0.7554	0.6997
30	500.05	502.94	506.08	2.3313	499.99	503.45	506.77	2.64	-0.7013	0.50684	1.5755	0.75174
50	496.44	501.32	512.69	4.7719	496.55	502.22	513.91	5.0667	-0.4961	0.90036	2.3551	0.96161

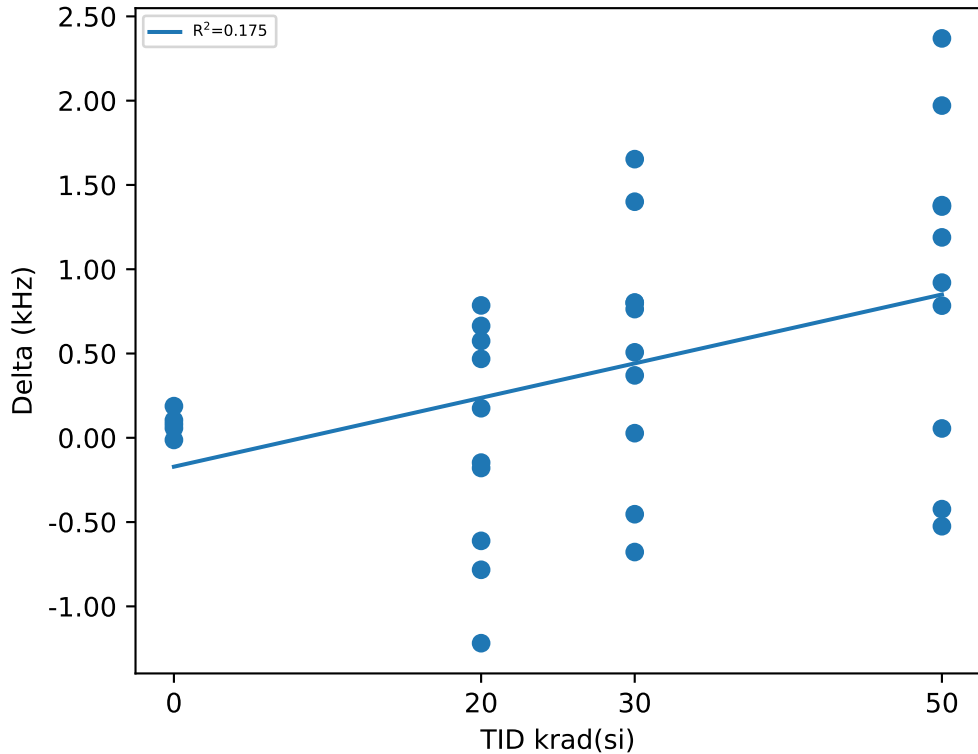
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	489.83	489.69	-0.1472
371	20	Unbiased	504.77	505.24	0.4683
383	20	Unbiased	502.38	501.77	-0.6114
390	50	Unbiased	498.45	499.82	1.3718
444	30	Unbiased	504.86	505.66	0.7997
509	30	Unbiased	504.78	504.1	-0.6777
558	0	Correlation	502.72	502.78	0.0575
724	20	Biased	510.91	511.08	0.1754
744	50	Biased	496.68	497.6	0.9205
799	50	Biased	496.43	496.49	0.0554
842	30	Unbiased	500.21	500.72	0.5071
930	50	Unbiased	512.71	513.9	1.1889
964	20	Unbiased	504.15	503.37	-0.783
1056	0	Correlation	502.48	502.67	0.1878
1095	50	Unbiased	505.79	507.17	1.3801
1099	0	Correlation	509.08	509.16	0.0813
1215	50	Unbiased	500.86	500.33	-0.5246
1229	50	Unbiased	499.77	500.55	0.784
1297	20	Biased	498.54	499.32	0.7854
1331	30	Unbiased	500.7	500.25	-0.4534
1337	20	Biased	501.92	502.58	0.6637
1359	30	Biased	503.56	505.22	1.6531
1375	30	Unbiased	499.99	500.02	0.0274
1398	30	Biased	503.48	503.85	0.3703
1401	20	Biased	502.82	501.6	-1.2185
1411	50	Biased	500.57	502.54	1.9709
1474	50	Biased	500.87	500.44	-0.4232
1500	20	Unbiased	508.74	508.56	-0.1792
1504	50	Biased	500.71	503.08	2.3694
1662	30	Biased	504.96	506.36	1.4006
1703	30	Biased	500.5	501.31	0.8028
1736	30	Biased	506.07	506.83	0.7635
1737	0	Correlation	501.36	501.46	0.1045
1748	0	Correlation	501.35	501.34	-0.0127
1794	20	Biased	495.91	496.49	0.5744

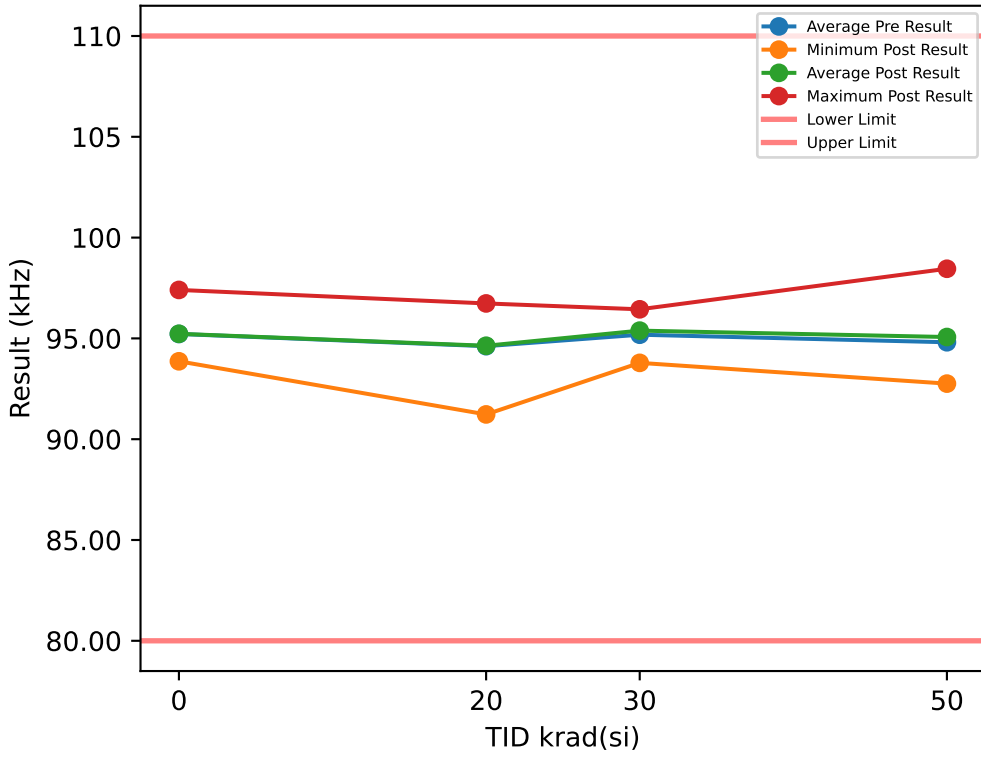
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.35	503.4	509.08	3.2364	501.34	503.48	509.16	3.2421	-0.0127	0.08368	0.1878	0.072895
20	489.83	502	510.91	6.1006	489.69	501.97	511.08	6.0336	-1.2185	-0.02721	0.7854	0.67949
30	499.99	502.91	506.07	2.3264	500.02	503.43	506.83	2.637	-0.6777	0.51934	1.6531	0.73968
50	496.43	501.28	512.71	4.7974	496.49	502.19	513.9	5.0685	-0.5246	0.90932	2.3694	0.96317

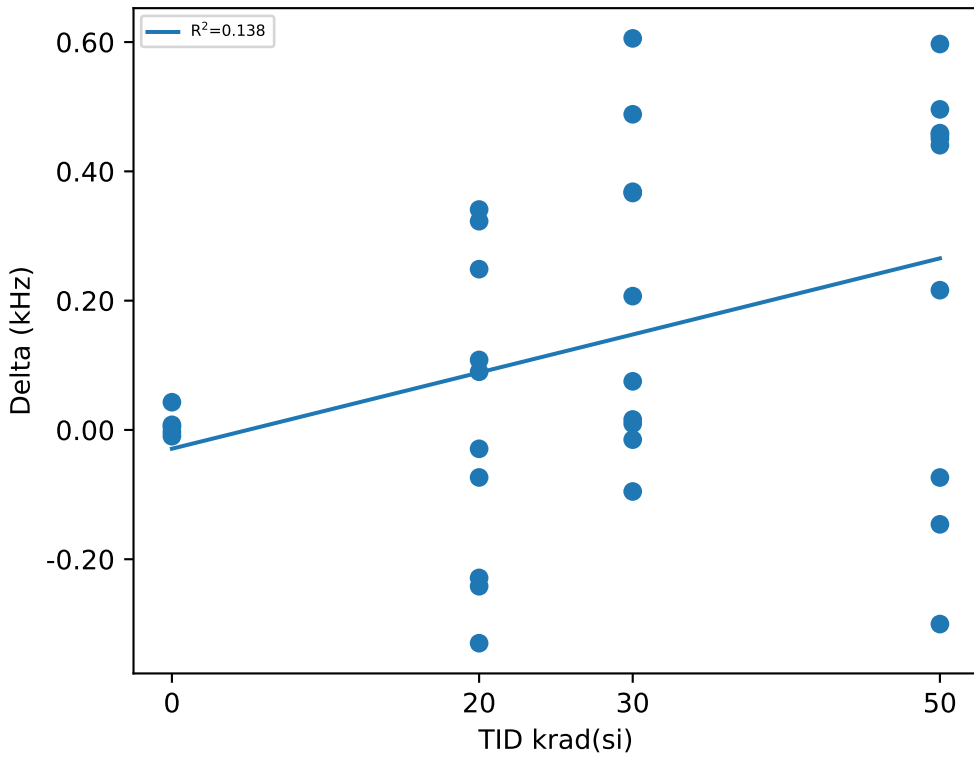
TID vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	91.471	91.229	-0.2418
371	20	Unbiased	95.64	95.748	0.1083
383	20	Unbiased	95.09	95.017	-0.0735
390	50	Unbiased	94.524	94.975	0.451
444	30	Unbiased	96.075	96.443	0.3685
509	30	Unbiased	95.981	95.991	0.0097
558	0	Correlation	95.291	95.299	0.0079
724	20	Biased	96.764	96.734	-0.0292
744	50	Biased	93.076	93.517	0.4405
799	50	Biased	93.057	92.757	-0.3003
842	30	Unbiased	93.42	93.786	0.3665
930	50	Unbiased	97.958	98.454	0.4959
964	20	Unbiased	94.69	94.461	-0.2289
1056	0	Correlation	94.809	94.806	-0.0033
1095	50	Unbiased	96.325	96.922	0.597
1099	0	Correlation	97.361	97.404	0.0429
1215	50	Unbiased	95.248	95.174	-0.0736
1229	50	Unbiased	94.228	94.445	0.2162
1297	20	Biased	93.326	93.667	0.341
1331	30	Unbiased	94.573	94.478	-0.0952
1337	20	Biased	94.641	94.889	0.2487
1359	30	Biased	95.786	96.392	0.6057
1375	30	Unbiased	95.079	95.064	-0.015
1398	30	Biased	95.589	95.796	0.207
1401	20	Biased	95.01	94.68	-0.3299
1411	50	Biased	94.404	94.861	0.4567
1474	50	Biased	94.829	94.683	-0.146
1500	20	Unbiased	96.314	96.404	0.09
1504	50	Biased	94.438	94.897	0.4591
1662	30	Biased	94.958	95.446	0.4883
1703	30	Biased	94.742	94.758	0.0162
1736	30	Biased	95.625	95.701	0.0752
1737	0	Correlation	93.859	93.864	0.0047
1748	0	Correlation	94.776	94.766	-0.0097
1794	20	Biased	93.194	93.517	0.3229

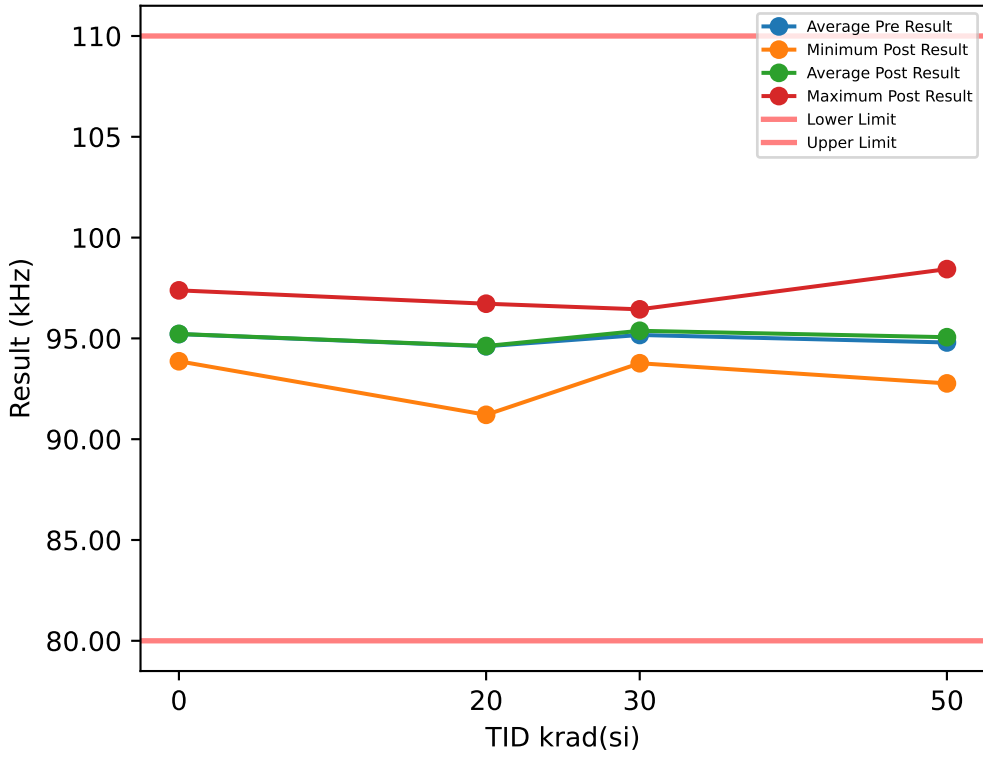
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.859	95.219	97.361	1.3044	93.864	95.228	97.404	1.3221	-0.0097	0.0085	0.0429	0.020424
20	91.471	94.614	96.764	1.5814	91.229	94.635	96.734	1.5919	-0.3299	0.02076	0.341	0.24126
30	93.42	95.183	96.075	0.80928	93.786	95.386	96.443	0.85948	-0.0952	0.20269	0.6057	0.241
50	93.057	94.809	97.958	1.4607	92.757	95.069	98.454	1.6084	-0.3003	0.25965	0.597	0.31773

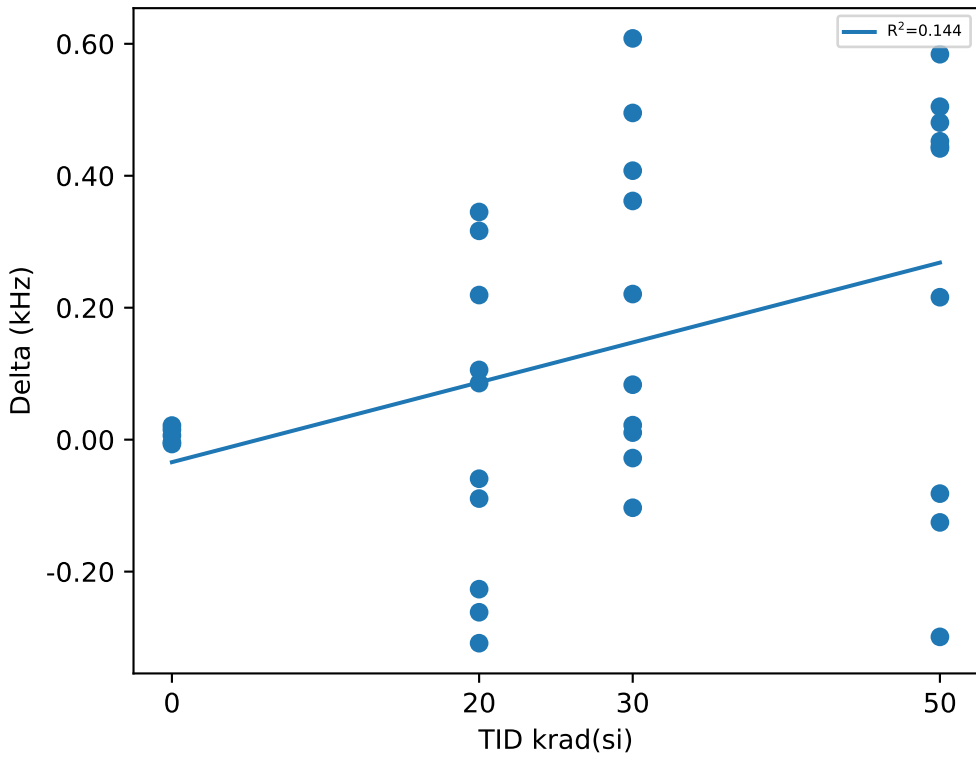
TID vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	91.471	91.209	-0.2616
371	20	Unbiased	95.632	95.737	0.1057
383	20	Unbiased	95.104	95.015	-0.0893
390	50	Unbiased	94.514	94.966	0.4523
444	30	Unbiased	96.034	96.441	0.4077
509	30	Unbiased	95.968	95.99	0.022
558	0	Correlation	95.283	95.298	0.0153
724	20	Biased	96.78	96.721	-0.0592
744	50	Biased	93.061	93.502	0.4414
799	50	Biased	93.066	92.767	-0.2989
842	30	Unbiased	93.406	93.768	0.3618
930	50	Unbiased	97.932	98.437	0.5047
964	20	Unbiased	94.665	94.439	-0.2266
1056	0	Correlation	94.799	94.795	-0.0038
1095	50	Unbiased	96.325	96.909	0.5842
1099	0	Correlation	97.361	97.383	0.0214
1215	50	Unbiased	95.236	95.154	-0.0818
1229	50	Unbiased	94.23	94.446	0.2159
1297	20	Biased	93.31	93.655	0.3451
1331	30	Unbiased	94.563	94.46	-0.1032
1337	20	Biased	94.648	94.867	0.2192
1359	30	Biased	95.78	96.388	0.6082
1375	30	Unbiased	95.087	95.059	-0.0279
1398	30	Biased	95.57	95.791	0.2207
1401	20	Biased	94.989	94.68	-0.3085
1411	50	Biased	94.396	94.841	0.4444
1474	50	Biased	94.801	94.676	-0.1254
1500	20	Unbiased	96.31	96.396	0.0857
1504	50	Biased	94.413	94.894	0.4806
1662	30	Biased	94.962	95.457	0.4952
1703	30	Biased	94.738	94.749	0.0107
1736	30	Biased	95.592	95.675	0.0833
1737	0	Correlation	93.859	93.866	0.0063
1748	0	Correlation	94.769	94.762	-0.0066
1794	20	Biased	93.183	93.499	0.3165

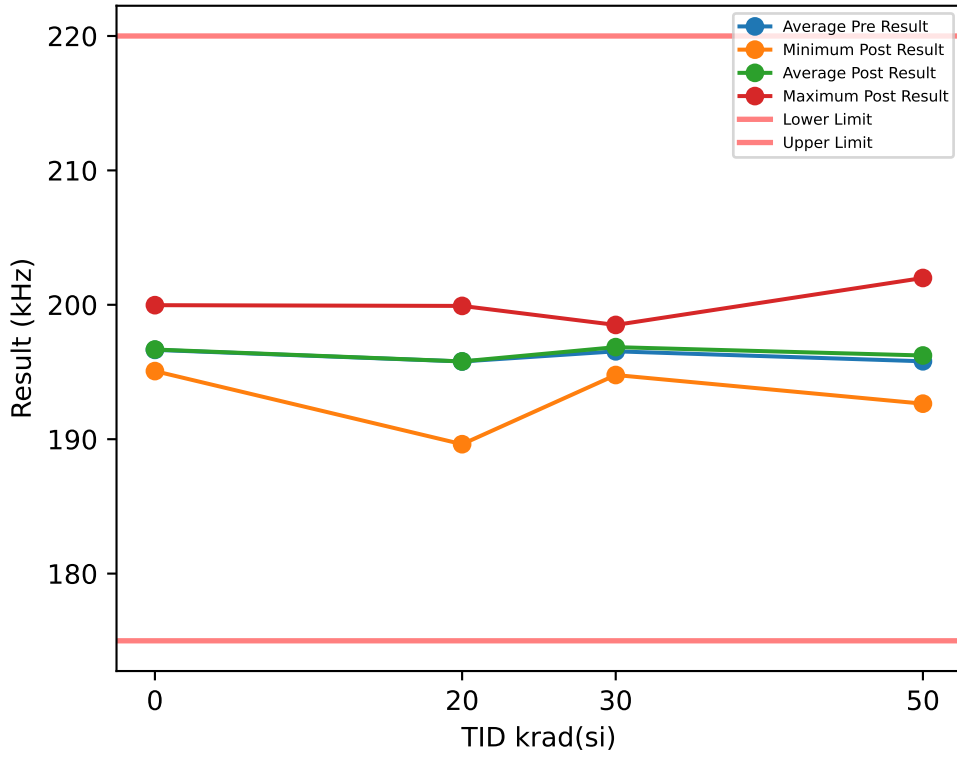
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.859	95.214	97.361	1.3059	93.866	95.221	97.383	1.3142	-0.0066	0.00652	0.0214	0.012012
20	91.471	94.609	96.78	1.5852	91.209	94.622	96.721	1.5948	-0.3085	0.0127	0.3451	0.2382
30	93.406	95.17	96.034	0.8034	93.768	95.378	96.441	0.86433	-0.1032	0.20785	0.6082	0.24674
50	93.061	94.798	97.932	1.4558	92.767	95.059	98.437	1.6029	-0.2989	0.26174	0.5842	0.31573

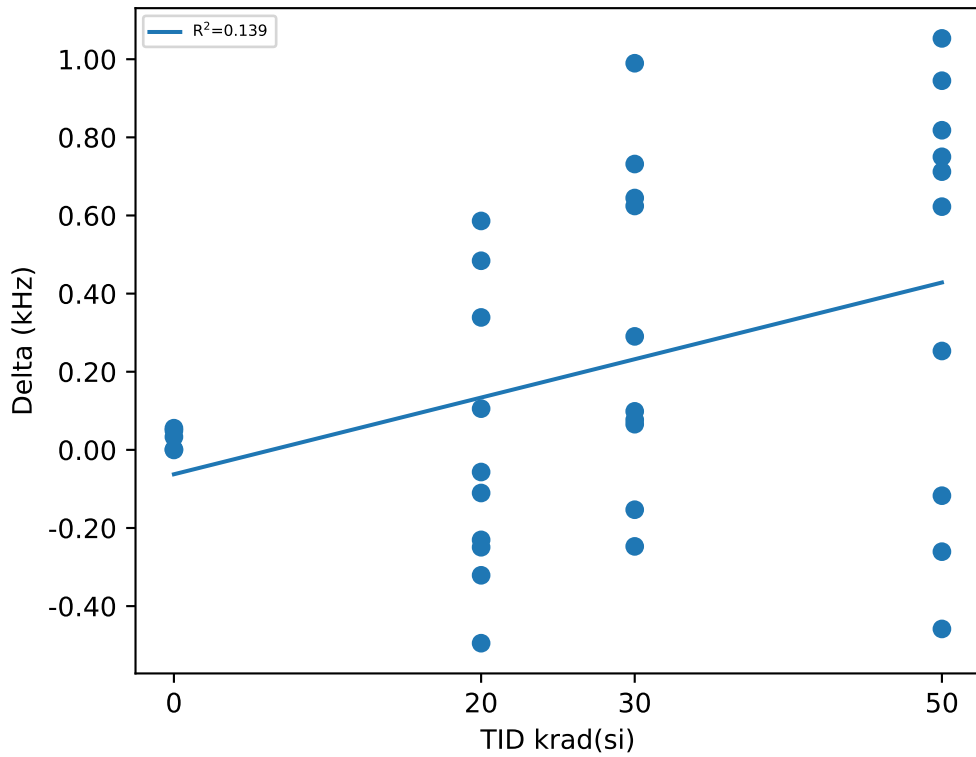
TID vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	189.95	189.63	-0.3211
371	20	Unbiased	197.46	197.57	0.1055
383	20	Unbiased	196.35	196.1	-0.2493
390	50	Unbiased	194.92	195.74	0.8182
444	30	Unbiased	197.86	198.5	0.6447
509	30	Unbiased	197.89	197.74	-0.1532
558	0	Correlation	196.55	196.55	0.0013
724	20	Biased	199.97	199.92	-0.0567
744	50	Biased	192.99	193.61	0.6226
799	50	Biased	193.1	192.64	-0.4584
842	30	Unbiased	194.15	194.78	0.6243
930	50	Unbiased	201.28	202	0.7122
964	20	Unbiased	196.22	195.99	-0.2304
1056	0	Correlation	195.87	195.91	0.0496
1095	50	Unbiased	198.39	199.14	0.7502
1099	0	Correlation	199.94	199.97	0.0332
1215	50	Unbiased	196.1	195.99	-0.1173
1229	50	Unbiased	194.98	195.24	0.2531
1297	20	Biased	193.69	194.28	0.586
1331	30	Unbiased	195.41	195.17	-0.2471
1337	20	Biased	195.74	196.07	0.339
1359	30	Biased	197.25	198.24	0.9897
1375	30	Unbiased	195.8	195.87	0.0657
1398	30	Biased	196.95	197.24	0.2905
1401	20	Biased	196.31	195.81	-0.4949
1411	50	Biased	195.16	196.1	0.945
1474	50	Biased	195.81	195.55	-0.2606
1500	20	Unbiased	199.04	198.93	-0.1104
1504	50	Biased	195.23	196.28	1.0533
1662	30	Biased	196.76	197.5	0.7317
1703	30	Biased	195.67	195.77	0.0986
1736	30	Biased	197.63	197.71	0.077
1737	0	Correlation	195.07	195.07	-0.0002
1748	0	Correlation	195.81	195.87	0.0555
1794	20	Biased	193.11	193.59	0.4841

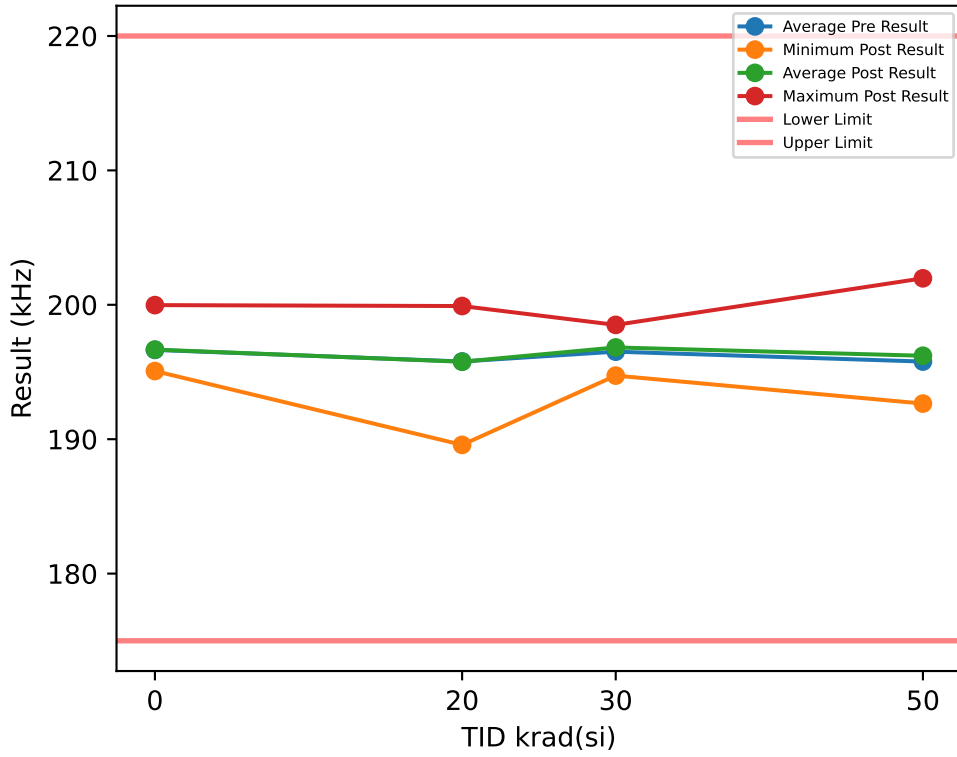
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	195.07	196.65	199.94	1.9138	195.07	196.67	199.97	1.9172	-0.0002	0.02788	0.0555	0.026258
20	189.95	195.78	199.97	2.932	189.63	195.79	199.92	2.8941	-0.4949	0.00518	0.586	0.36243
30	194.15	196.54	197.89	1.2357	194.78	196.85	198.5	1.3342	-0.2471	0.31219	0.9897	0.41292
50	192.99	195.8	201.28	2.4544	192.64	196.23	202	2.6495	-0.4584	0.43183	1.0533	0.53962

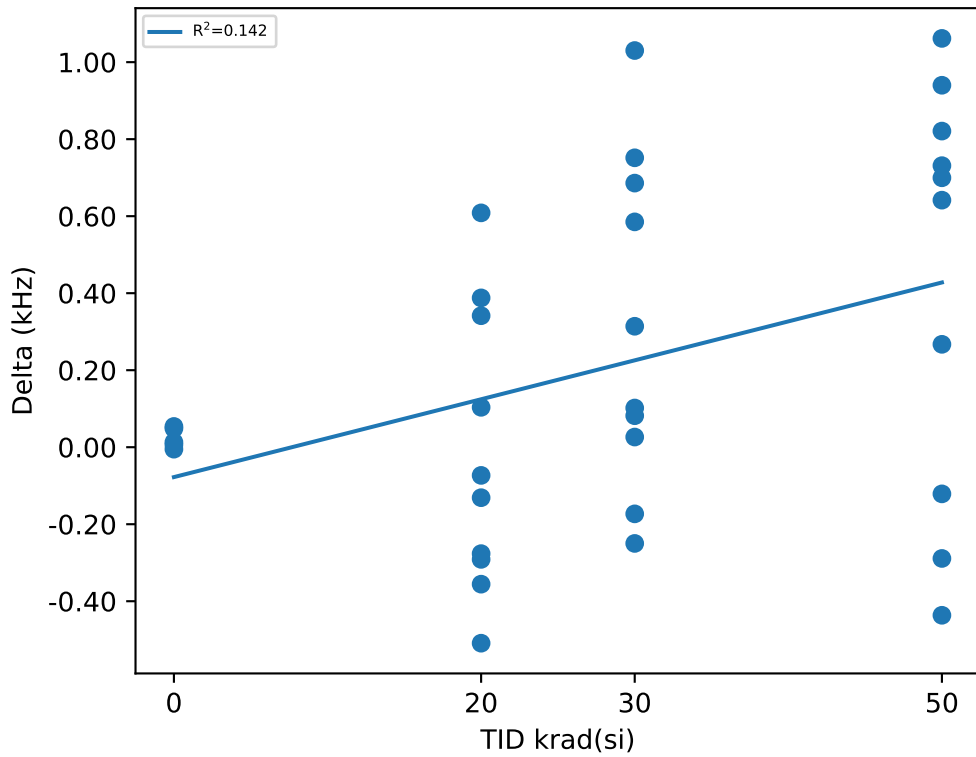
TID vs Result Stats



Test Results (Lower Limit = 175.0, Upper Limit = 220.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	189.93	189.58	-0.3557
371	20	Unbiased	197.46	197.57	0.1036
383	20	Unbiased	196.33	196.04	-0.2913
390	50	Unbiased	194.91	195.73	0.821
444	30	Unbiased	197.82	198.5	0.6859
509	30	Unbiased	197.89	197.71	-0.1731
558	0	Correlation	196.55	196.55	-0.0051
724	20	Biased	199.98	199.91	-0.0732
744	50	Biased	192.97	193.61	0.6416
799	50	Biased	193.09	192.65	-0.4365
842	30	Unbiased	194.15	194.73	0.5852
930	50	Unbiased	201.27	201.97	0.6997
964	20	Unbiased	196.25	195.97	-0.2764
1056	0	Correlation	195.89	195.9	0.0132
1095	50	Unbiased	198.36	199.09	0.7312
1099	0	Correlation	199.93	199.98	0.0486
1215	50	Unbiased	196.07	195.94	-0.1212
1229	50	Unbiased	194.93	195.2	0.2672
1297	20	Biased	193.66	194.27	0.6086
1331	30	Unbiased	195.39	195.14	-0.2499
1337	20	Biased	195.7	196.04	0.3415
1359	30	Biased	197.21	198.24	1.0302
1375	30	Unbiased	195.79	195.81	0.0264
1398	30	Biased	196.9	197.22	0.3141
1401	20	Biased	196.29	195.78	-0.509
1411	50	Biased	195.15	196.09	0.94
1474	50	Biased	195.81	195.52	-0.2889
1500	20	Unbiased	199.05	198.92	-0.1311
1504	50	Biased	195.21	196.28	1.0617
1662	30	Biased	196.75	197.5	0.7516
1703	30	Biased	195.63	195.73	0.1018
1736	30	Biased	197.6	197.69	0.0818
1737	0	Correlation	195.06	195.07	0.0064
1748	0	Correlation	195.79	195.85	0.0539
1794	20	Biased	193.15	193.54	0.3878

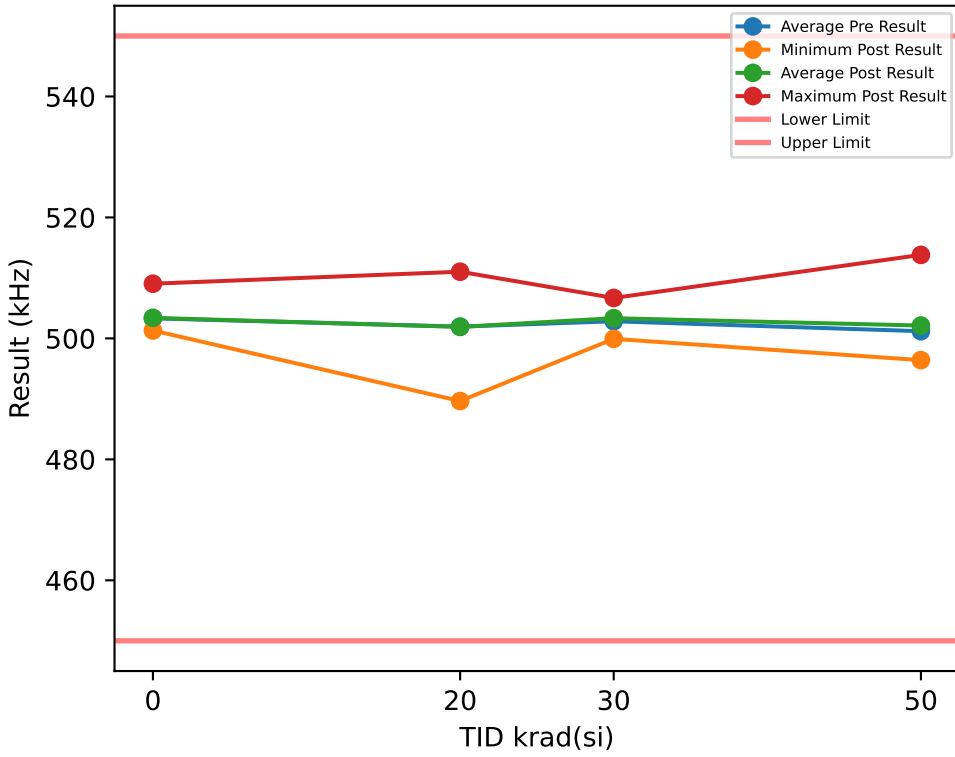
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	195.06	196.64	199.93	1.9095	195.07	196.67	199.98	1.9219	-0.0051	0.0234	0.0539	0.026318
20	189.93	195.78	199.98	2.935	189.58	195.76	199.91	2.9061	-0.509	-0.01952	0.6086	0.36723
30	194.15	196.51	197.89	1.2316	194.73	196.83	198.5	1.3503	-0.2499	0.3154	1.0302	0.42859
50	192.97	195.78	201.27	2.455	192.65	196.21	201.97	2.6401	-0.4365	0.43158	1.0617	0.53936

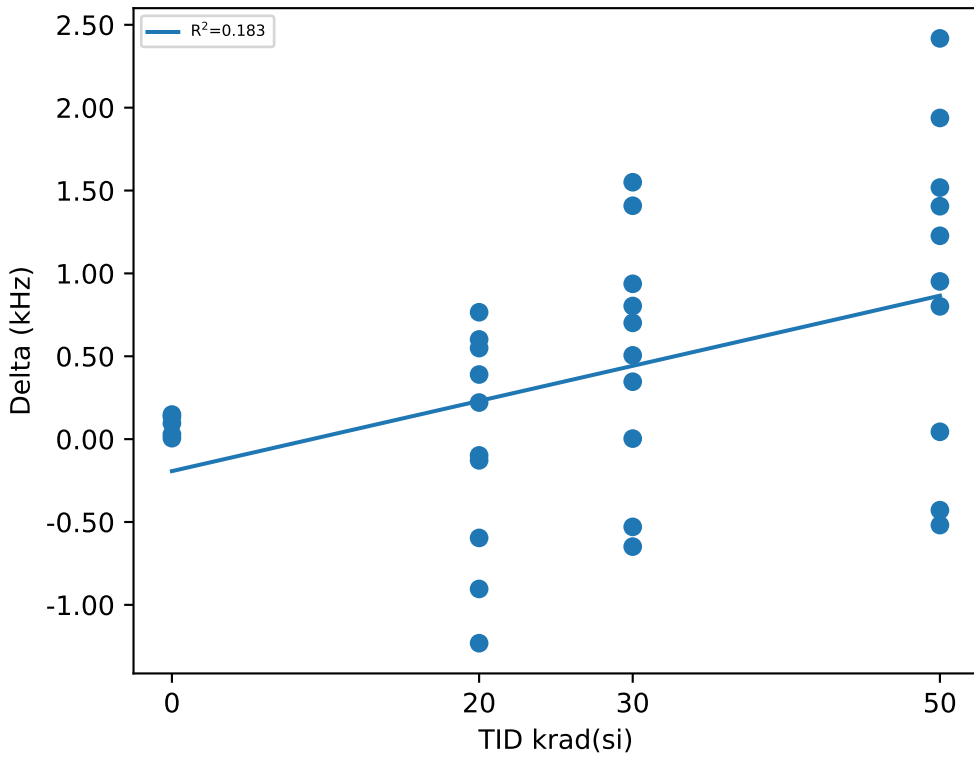
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	489.77	489.64	-0.1281
371	20	Unbiased	504.76	505.15	0.3899
383	20	Unbiased	502.33	501.74	-0.5961
390	50	Unbiased	498.34	499.74	1.4054
444	30	Unbiased	504.8	505.6	0.8033
509	30	Unbiased	504.67	504.02	-0.6485
558	0	Correlation	502.61	502.64	0.0287
724	20	Biased	510.8	511.02	0.2208
744	50	Biased	496.59	497.54	0.9515
799	50	Biased	496.36	496.41	0.0443
842	30	Unbiased	500.16	500.67	0.5055
930	50	Unbiased	512.58	513.81	1.227
964	20	Unbiased	504.14	503.23	-0.904
1056	0	Correlation	502.42	502.56	0.1485
1095	50	Unbiased	505.63	507.15	1.5179
1099	0	Correlation	508.95	509.04	0.0958
1215	50	Unbiased	500.77	500.25	-0.5187
1229	50	Unbiased	499.67	500.47	0.8012
1297	20	Biased	498.47	499.23	0.7656
1331	30	Unbiased	500.67	500.14	-0.5295
1337	20	Biased	501.91	502.51	0.6016
1359	30	Biased	503.51	505.06	1.5501
1375	30	Unbiased	499.92	499.92	0.0032
1398	30	Biased	503.39	503.73	0.3465
1401	20	Biased	502.76	501.52	-1.2313
1411	50	Biased	500.54	502.48	1.9379
1474	50	Biased	500.77	500.35	-0.4286
1500	20	Unbiased	508.61	508.51	-0.0982
1504	50	Biased	500.64	503.06	2.418
1662	30	Biased	504.88	506.28	1.4083
1703	30	Biased	500.36	501.29	0.9372
1736	30	Biased	505.98	506.69	0.7015
1737	0	Correlation	501.3	501.43	0.134
1748	0	Correlation	501.3	501.31	0.0057
1794	20	Biased	495.89	496.44	0.5493

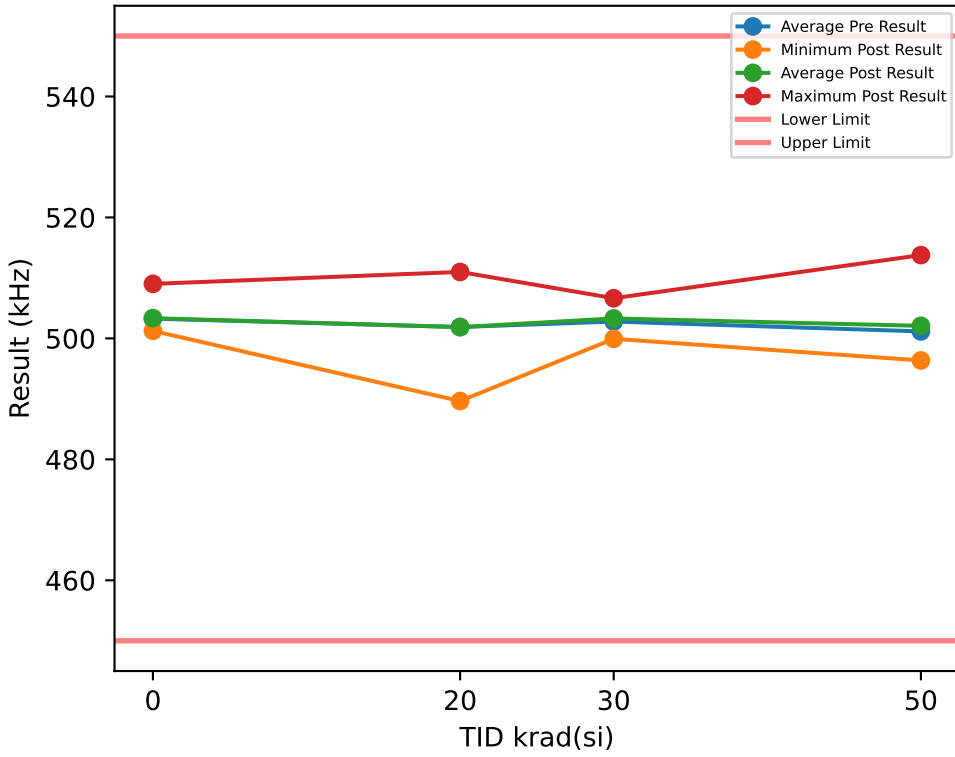
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.3	503.32	508.95	3.2071	501.31	503.4	509.04	3.2158	0.0057	0.08254	0.1485	0.063202
20	489.77	501.94	510.8	6.086	489.64	501.9	511.02	6.0274	-1.2313	-0.04305	0.7656	0.67879
30	499.92	502.83	505.98	2.3234	499.92	503.34	506.69	2.6215	-0.6485	0.50776	1.5501	0.73788
50	496.36	501.19	512.58	4.7785	496.41	502.12	513.81	5.0724	-0.5187	0.93559	2.418	0.97955

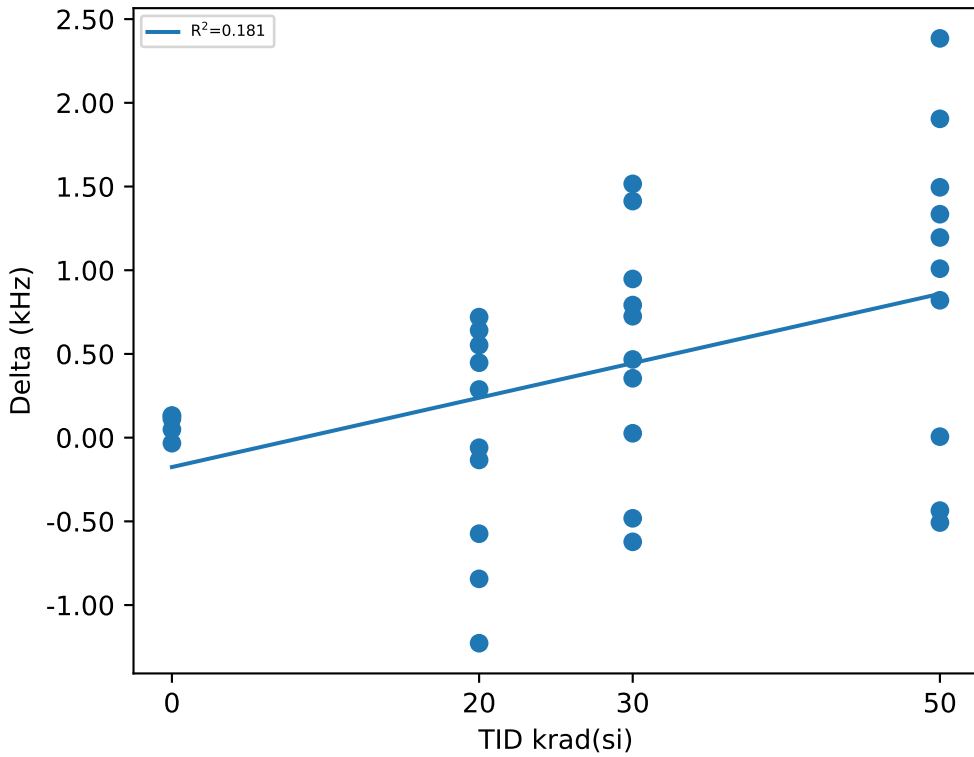
TID vs Result Stats



Test Results (Lower Limit = 450.0, Upper Limit = 550.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	489.7	489.64	-0.0602
371	20	Unbiased	504.7	505.15	0.4476
383	20	Unbiased	502.26	501.69	-0.5738
390	50	Unbiased	498.36	499.69	1.3346
444	30	Unbiased	504.73	505.52	0.792
509	30	Unbiased	504.61	503.99	-0.6223
558	0	Correlation	502.6	502.57	-0.0331
724	20	Biased	510.7	510.99	0.2877
744	50	Biased	496.54	497.55	1.0093
799	50	Biased	496.35	496.36	0.0059
842	30	Unbiased	500.12	500.59	0.4671
930	50	Unbiased	512.58	513.77	1.1956
964	20	Unbiased	504.1	503.26	-0.8435
1056	0	Correlation	502.37	502.48	0.1122
1095	50	Unbiased	505.64	507.13	1.4952
1099	0	Correlation	508.88	509.02	0.1322
1215	50	Unbiased	500.72	500.21	-0.5073
1229	50	Unbiased	499.6	500.42	0.8204
1297	20	Biased	498.47	499.19	0.7199
1331	30	Unbiased	500.61	500.13	-0.4818
1337	20	Biased	501.83	502.47	0.6409
1359	30	Biased	503.44	504.95	1.5159
1375	30	Unbiased	499.9	499.93	0.0261
1398	30	Biased	503.32	503.68	0.3546
1401	20	Biased	502.68	501.45	-1.2278
1411	50	Biased	500.53	502.44	1.9043
1474	50	Biased	500.7	500.27	-0.4358
1500	20	Unbiased	508.56	508.42	-0.1334
1504	50	Biased	500.56	502.94	2.3848
1662	30	Biased	504.84	506.25	1.413
1703	30	Biased	500.34	501.29	0.9479
1736	30	Biased	505.92	506.64	0.7252
1737	0	Correlation	501.28	501.41	0.1292
1748	0	Correlation	501.2	501.25	0.049
1794	20	Biased	495.83	496.39	0.5526

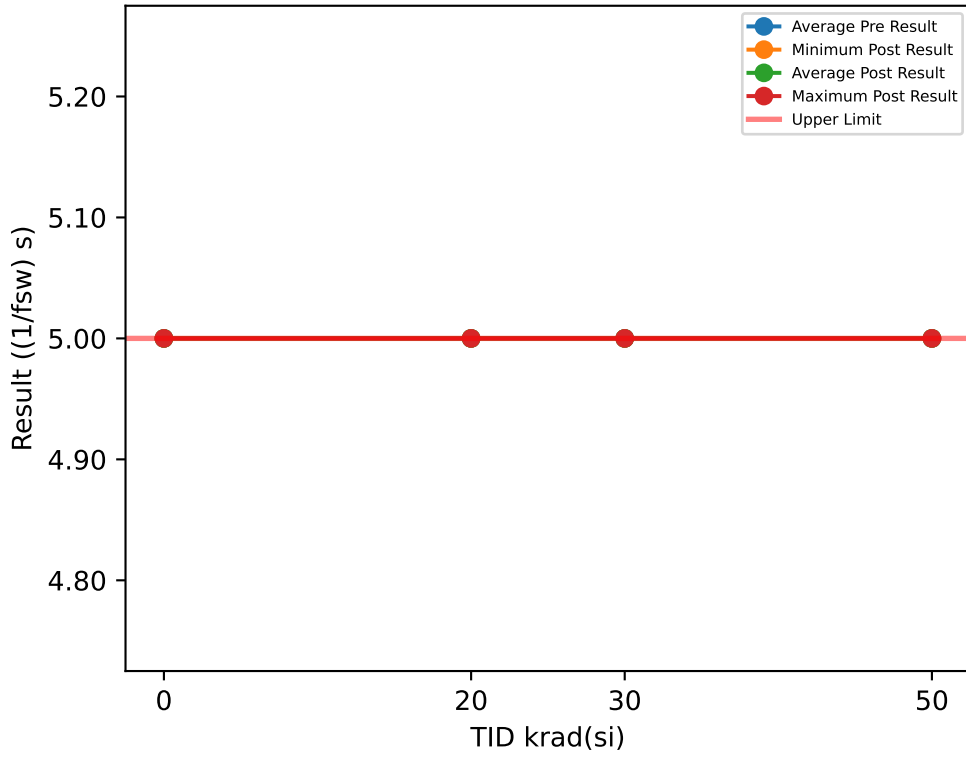
TID vs Post - Pre Exposure Delta



Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	501.2	503.27	508.88	3.202	501.25	503.34	509.02	3.2266	-0.0331	0.0779	0.1322	0.070557
20	489.7	501.88	510.7	6.0793	489.64	501.86	510.99	6.0203	-1.2278	-0.019	0.7199	0.67359
30	499.9	502.78	505.92	2.3082	499.93	503.3	506.64	2.6027	-0.6223	0.51377	1.5159	0.72039
50	496.35	501.16	512.58	4.7876	496.36	502.08	513.77	5.0729	-0.5073	0.9207	2.3848	0.96736

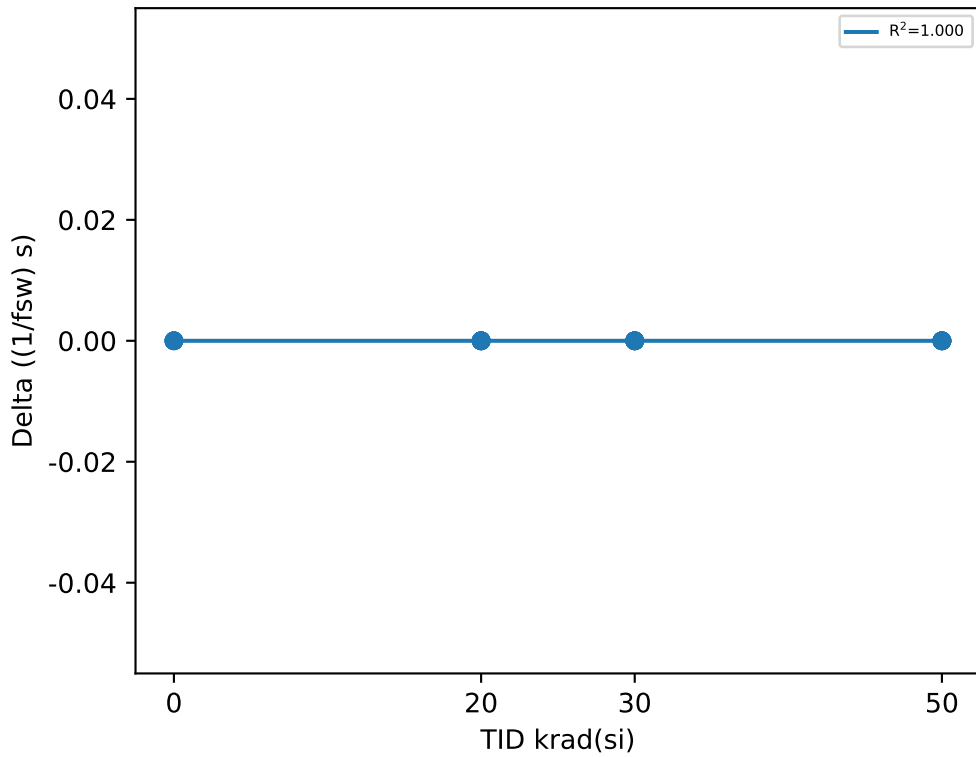
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

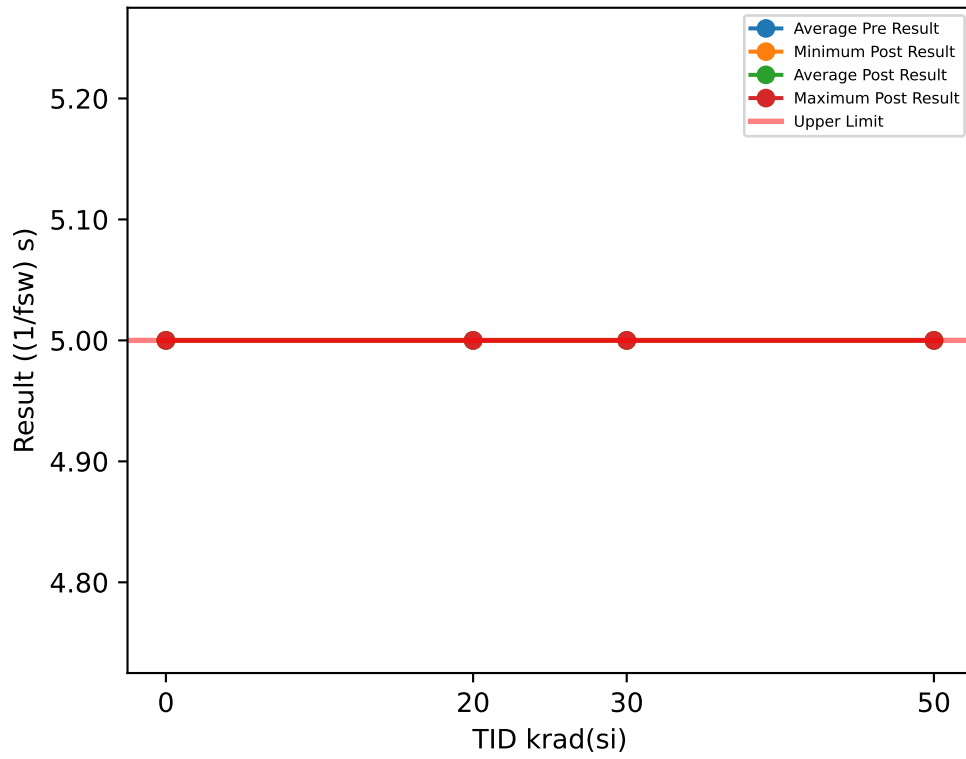
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

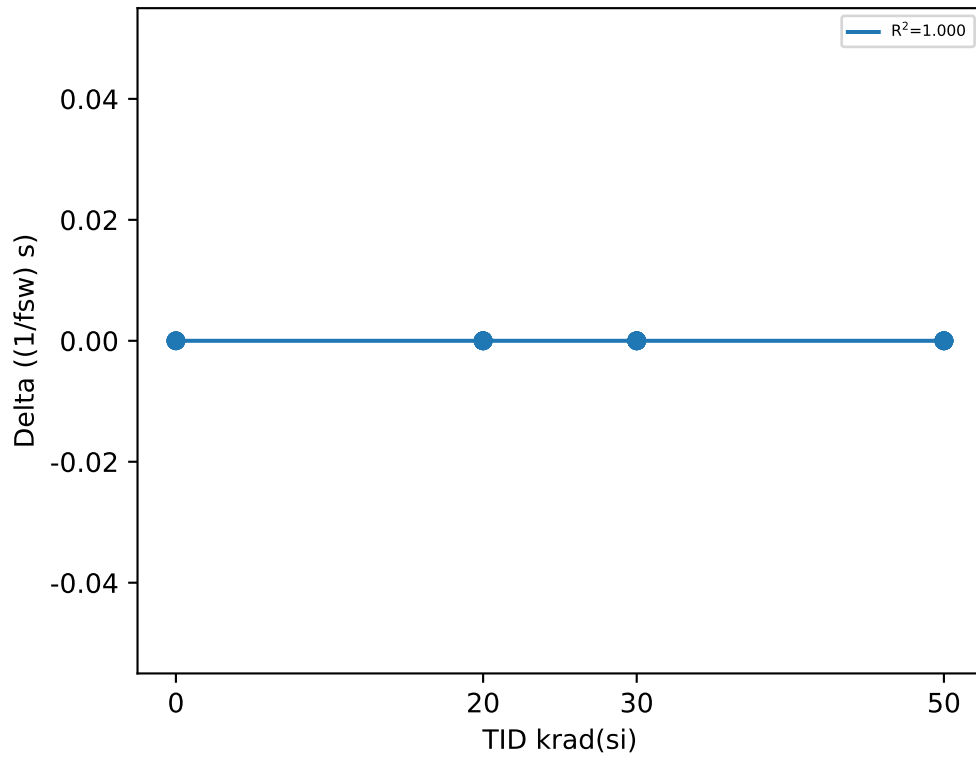
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

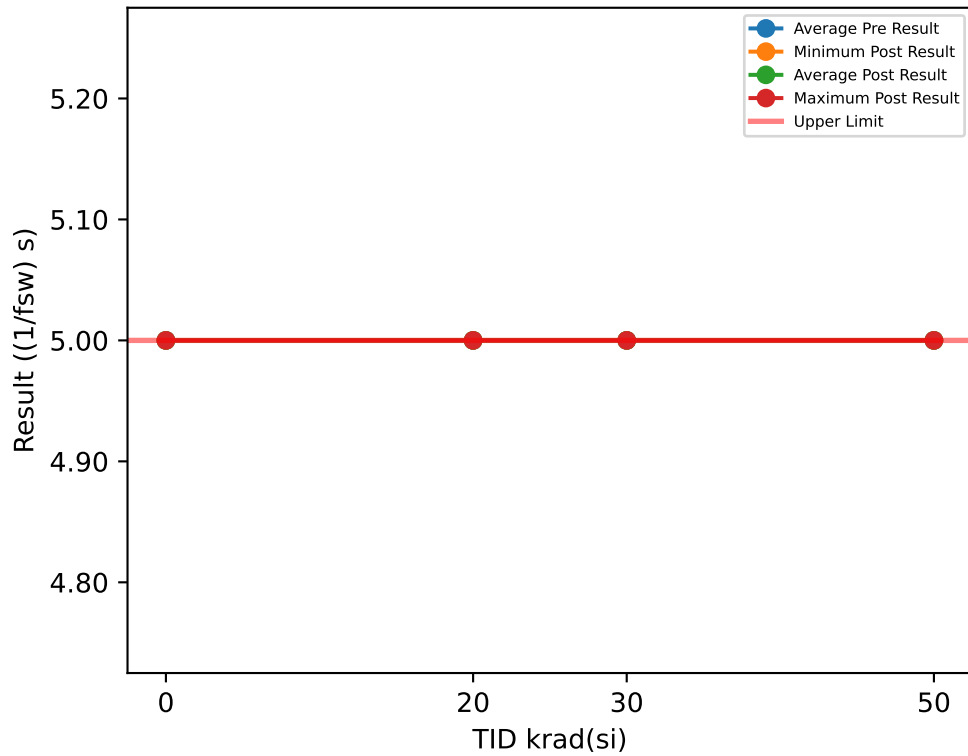
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

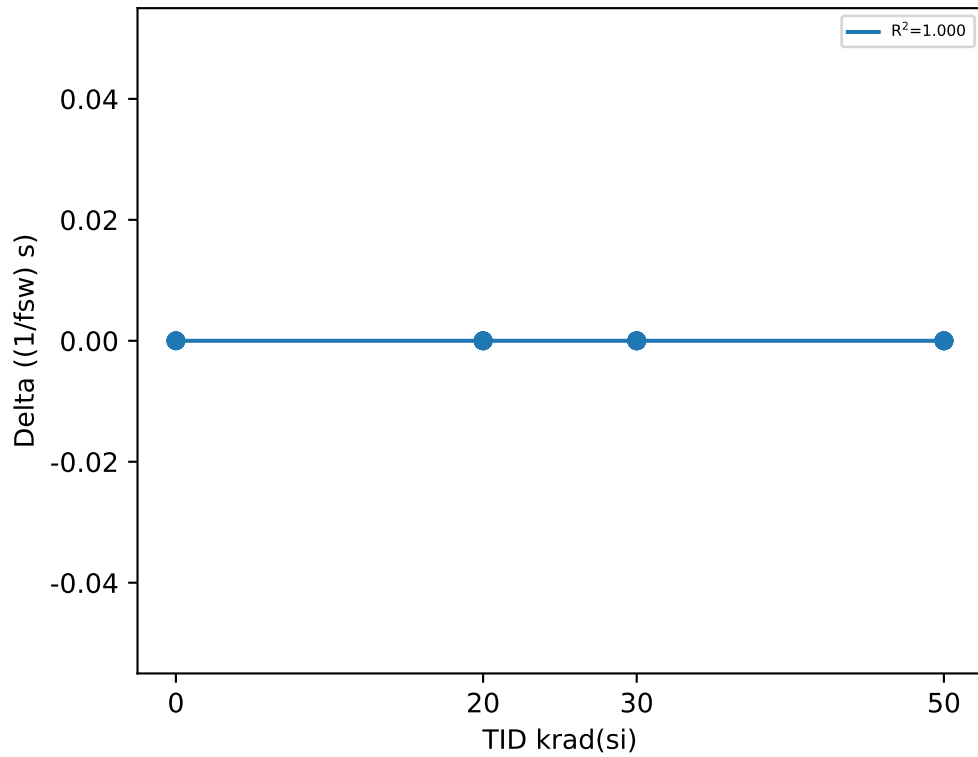
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

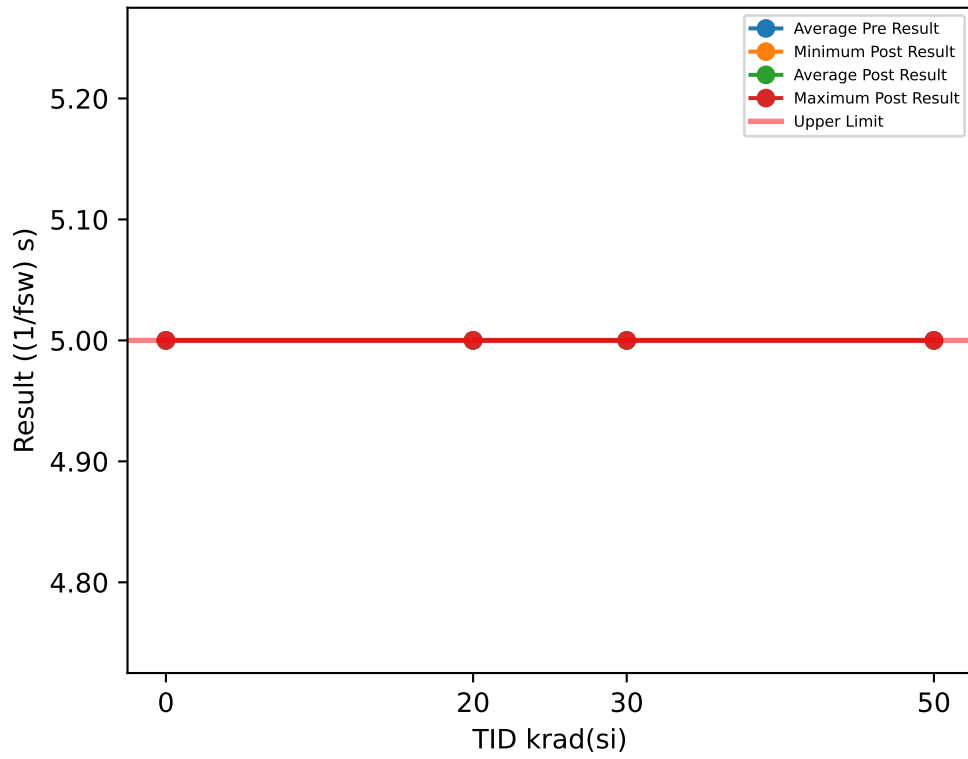
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

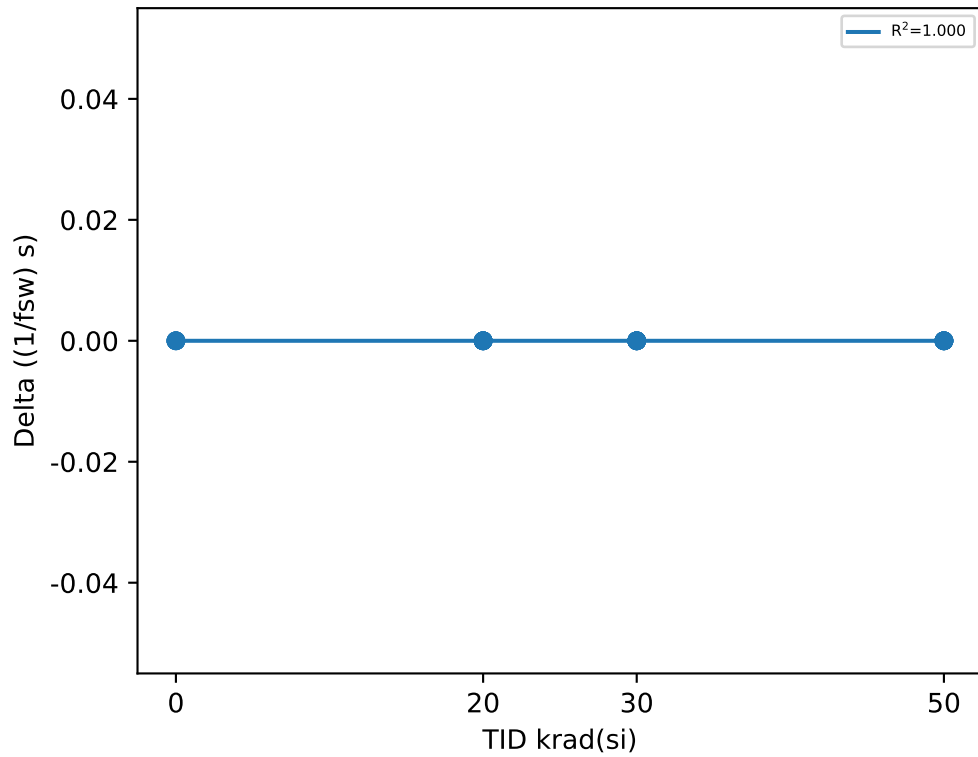
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

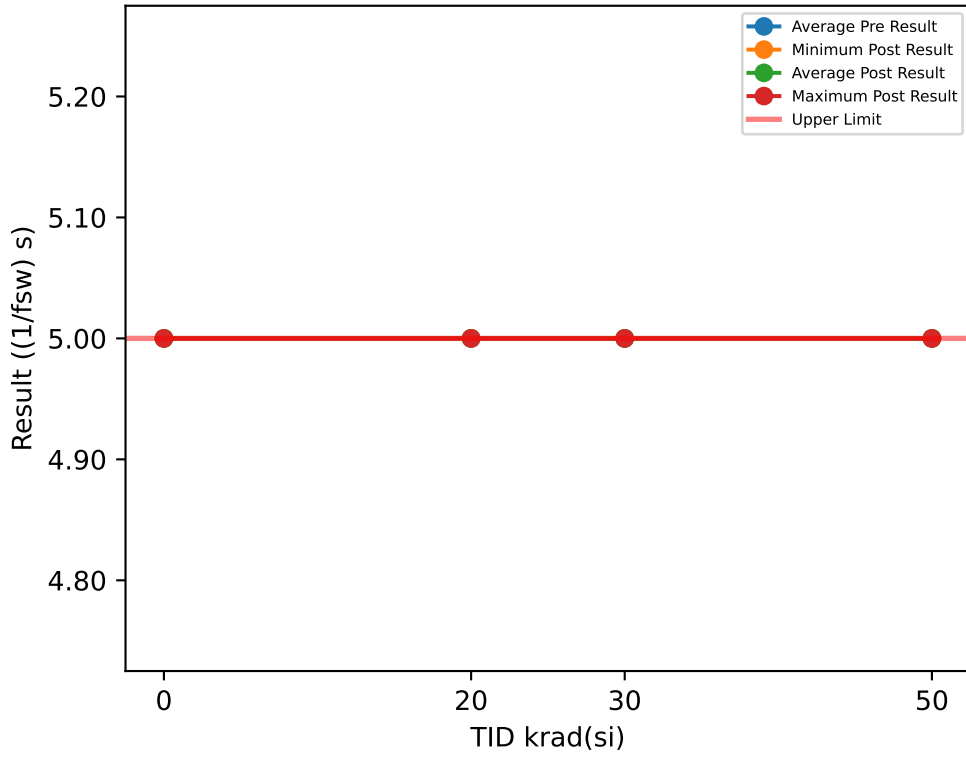
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

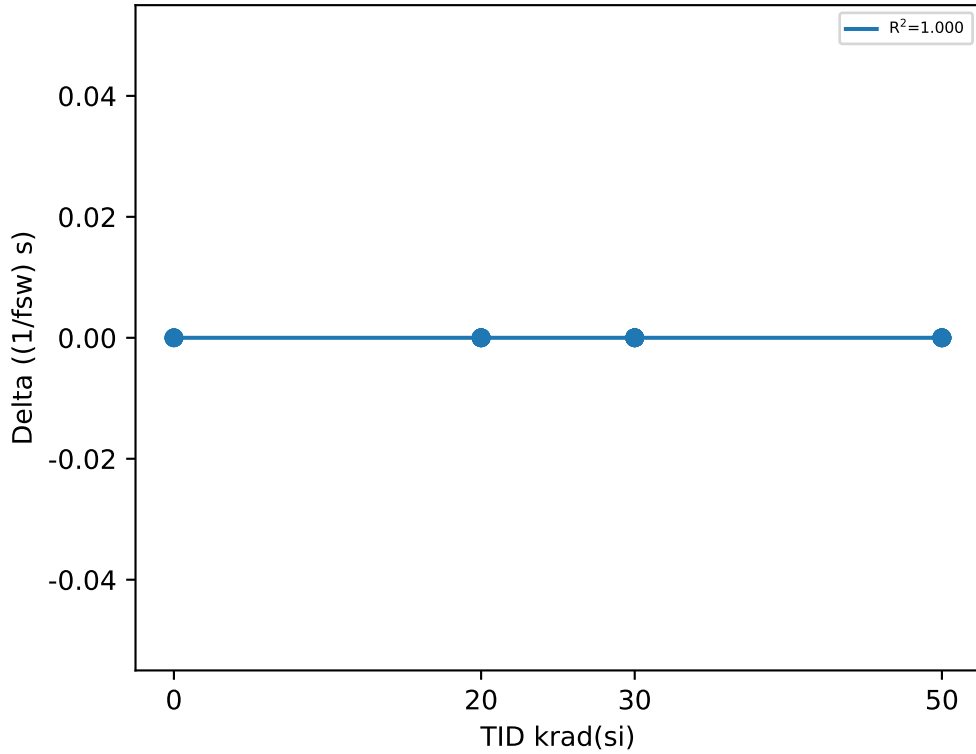
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

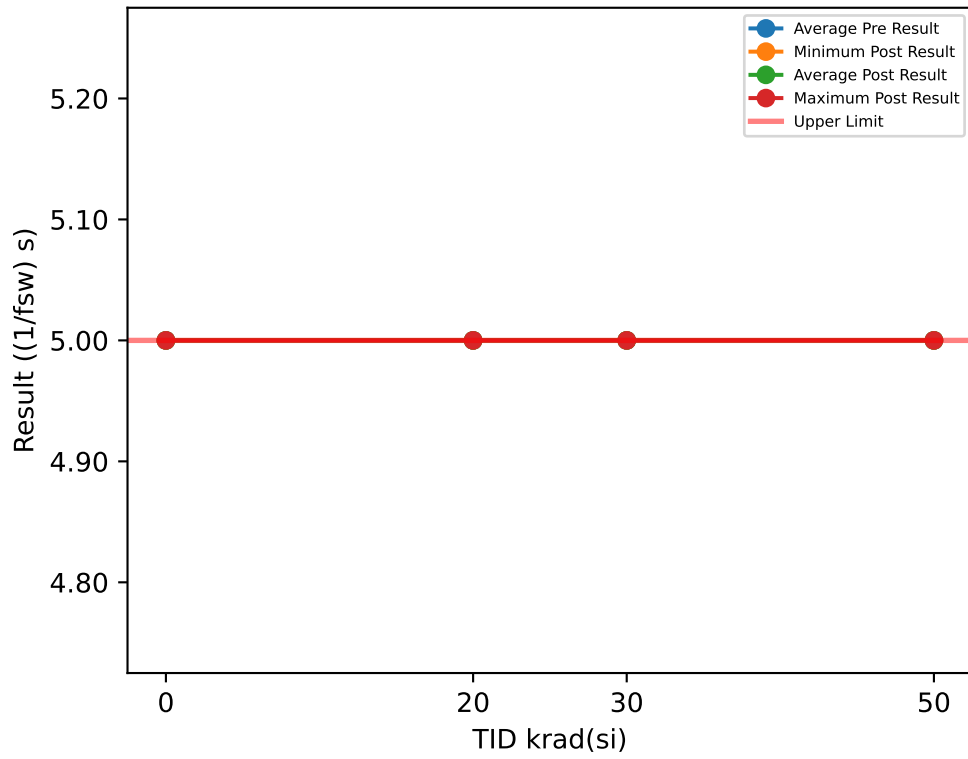
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

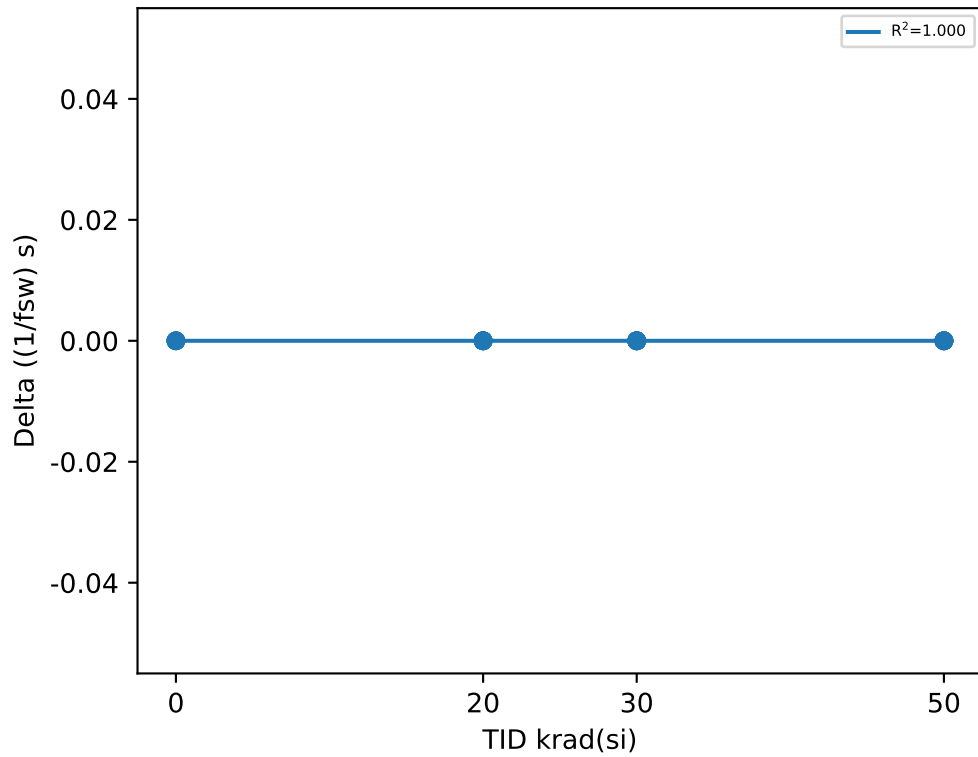
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	5	5	0
371	20	Unbiased	5	5	0
383	20	Unbiased	5	5	0
390	50	Unbiased	5	5	0
444	30	Unbiased	5	5	0
509	30	Unbiased	5	5	0
558	0	Correlation	5	5	0
724	20	Biased	5	5	0
744	50	Biased	5	5	0
799	50	Biased	5	5	0
842	30	Unbiased	5	5	0
930	50	Unbiased	5	5	0
964	20	Unbiased	5	5	0
1056	0	Correlation	5	5	0
1095	50	Unbiased	5	5	0
1099	0	Correlation	5	5	0
1215	50	Unbiased	5	5	0
1229	50	Unbiased	5	5	0
1297	20	Biased	5	5	0
1331	30	Unbiased	5	5	0
1337	20	Biased	5	5	0
1359	30	Biased	5	5	0
1375	30	Unbiased	5	5	0
1398	30	Biased	5	5	0
1401	20	Biased	5	5	0
1411	50	Biased	5	5	0
1474	50	Biased	5	5	0
1500	20	Unbiased	5	5	0
1504	50	Biased	5	5	0
1662	30	Biased	5	5	0
1703	30	Biased	5	5	0
1736	30	Biased	5	5	0
1737	0	Correlation	5	5	0
1748	0	Correlation	5	5	0
1794	20	Biased	5	5	0

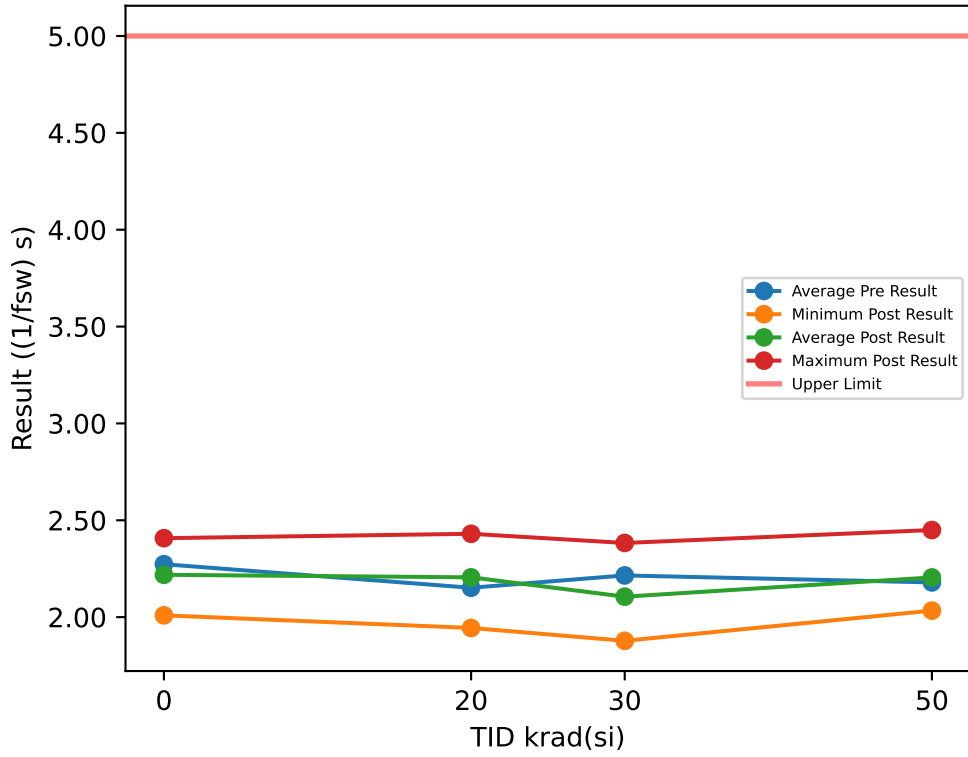
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	5	5	5	0	5	5	5	0	0	0	0	0
20	5	5	5	0	5	5	5	0	0	0	0	0
30	5	5	5	0	5	5	5	0	0	0	0	0
50	5	5	5	0	5	5	5	0	0	0	0	0

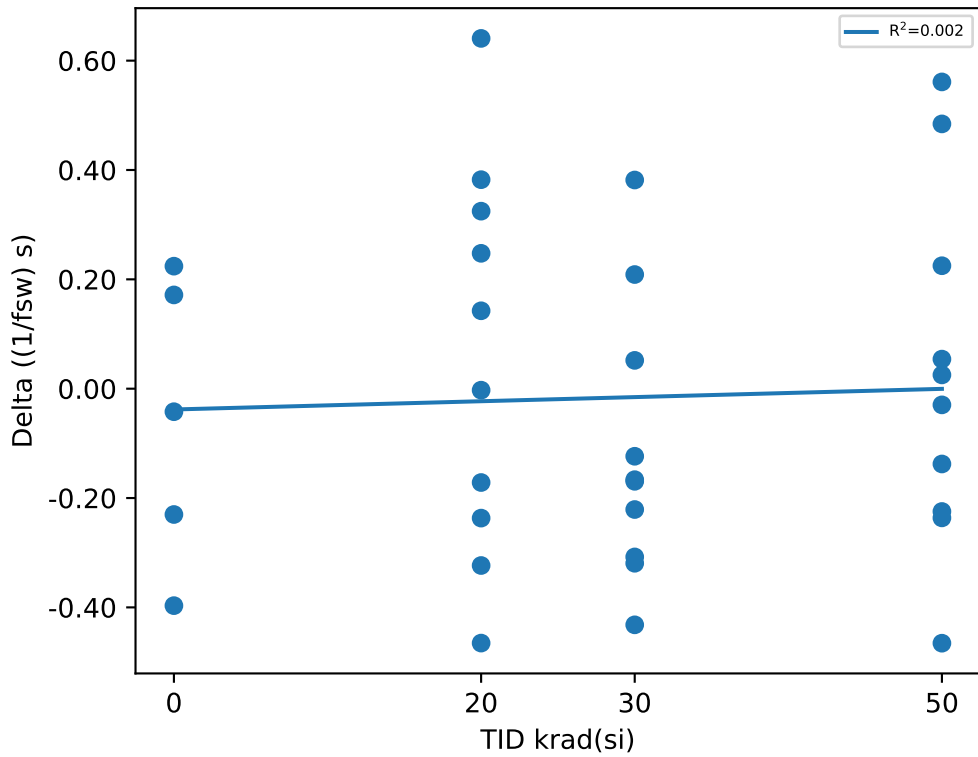
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.5764	2.4048	-0.1716
371	20	Unbiased	1.7851	2.4258	0.6407
383	20	Unbiased	1.9998	2.3245	0.3247
390	50	Unbiased	2.1	2.0704	-0.0296
444	30	Unbiased	2.2205	1.9128	-0.3077
509	30	Unbiased	1.8814	1.9332	0.0518
558	0	Correlation	2.4498	2.4077	-0.0421
724	20	Biased	1.8282	2.0758	0.2476
744	50	Biased	2.4245	2.4497	0.0252
799	50	Biased	2.1085	2.3334	0.2249
842	30	Unbiased	2.3098	1.8779	-0.4319
930	50	Unbiased	2.2597	2.122	-0.1377
964	20	Unbiased	2.4263	2.1029	-0.3234
1056	0	Correlation	2.4521	2.222	-0.2301
1095	50	Unbiased	1.788	2.3491	0.5611
1099	0	Correlation	2.0927	2.3168	0.2241
1215	50	Unbiased	2.3404	2.1041	-0.2363
1229	50	Unbiased	1.9621	2.4464	0.4843
1297	20	Biased	2.2515	2.0148	-0.2367
1331	30	Unbiased	2.5493	2.3829	-0.1664
1337	20	Biased	2.2878	2.4303	0.1425
1359	30	Biased	2.2731	2.0521	-0.221
1375	30	Unbiased	2.3149	1.9956	-0.3193
1398	30	Biased	2.4834	2.3598	-0.1236
1401	20	Biased	2.4095	1.9442	-0.4653
1411	50	Biased	2.3301	2.1055	-0.2246
1474	50	Biased	1.981	2.0351	0.0541
1500	20	Unbiased	1.8631	2.2454	0.3823
1504	50	Biased	2.4992	2.0337	-0.4655
1662	30	Biased	2.0882	1.9188	-0.1694
1703	30	Biased	1.9669	2.3486	0.3817
1736	30	Biased	2.0657	2.2745	0.2088
1737	0	Correlation	1.9655	2.137	0.1715
1748	0	Correlation	2.4061	2.0093	-0.3968
1794	20	Biased	2.0899	2.0872	-0.0027

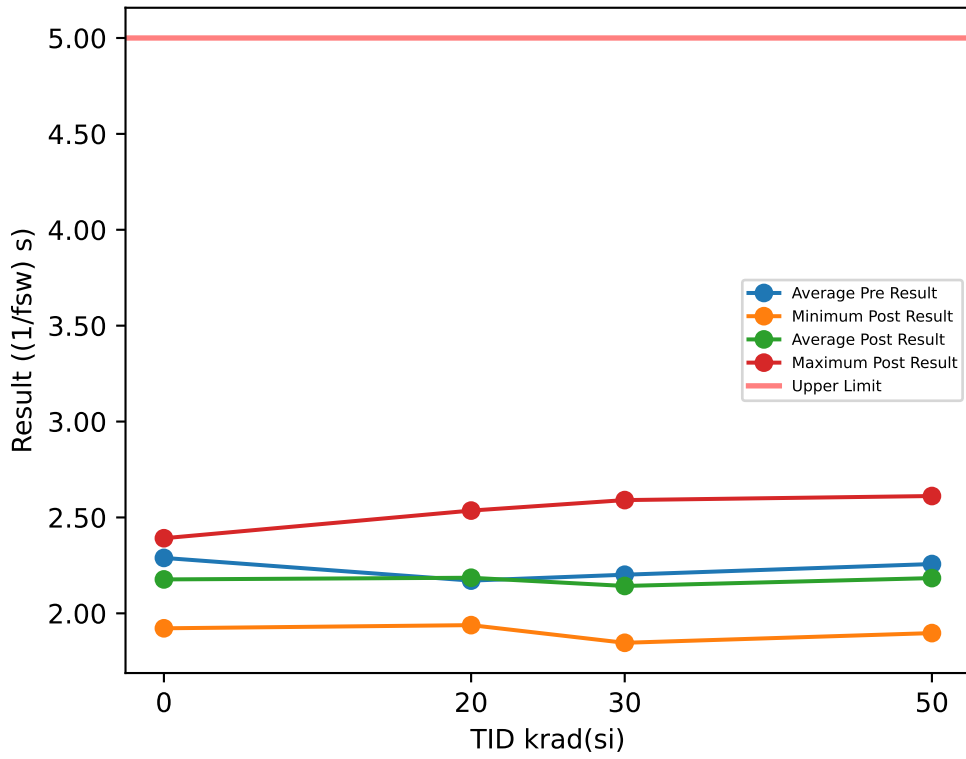
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9655	2.2732	2.4521	0.2281	2.0093	2.2186	2.4077	0.15482	-0.3968	-0.05468	0.2241	0.26308
20	1.7851	2.1518	2.5764	0.27888	1.9442	2.2056	2.4303	0.18273	-0.4653	0.05381	0.6407	0.35297
30	1.8814	2.2153	2.5493	0.21535	1.8779	2.1056	2.3829	0.21021	-0.4319	-0.1097	0.3817	0.25283
50	1.788	2.1794	2.4992	0.22816	2.0337	2.2049	2.4497	0.16954	-0.4655	0.02559	0.5611	0.32314

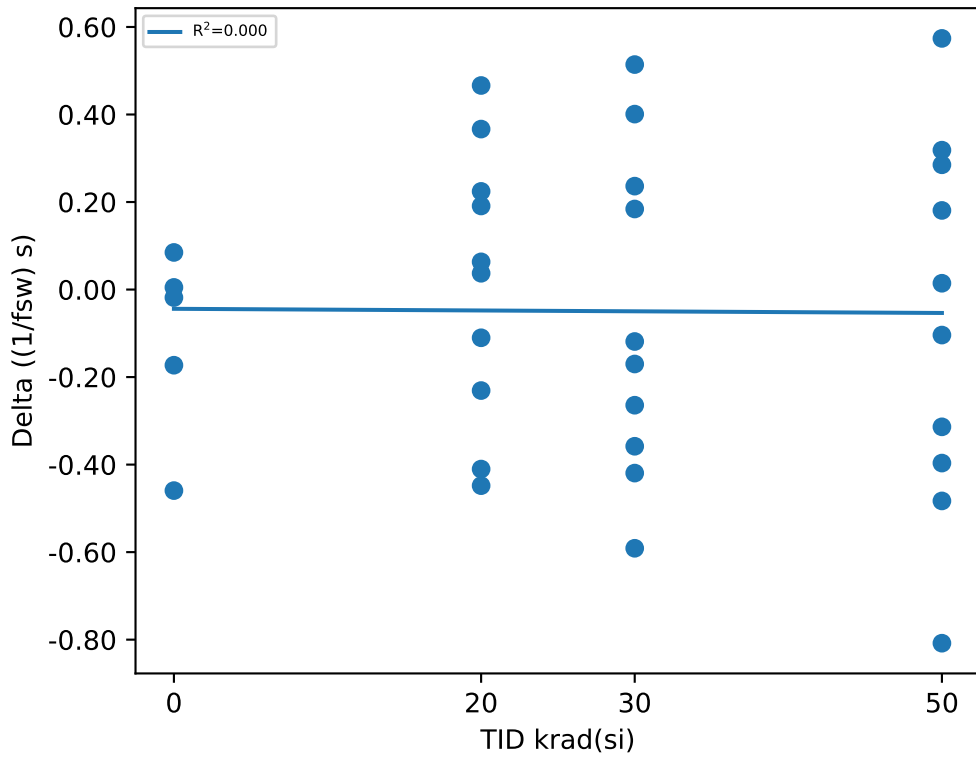
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.3115	2.5358	0.2243
371	20	Unbiased	1.9597	2.1507	0.191
383	20	Unbiased	1.9272	2.3935	0.4663
390	50	Unbiased	2.7584	1.9503	-0.8081
444	30	Unbiased	2.445	2.0869	-0.3581
509	30	Unbiased	2.0437	1.8736	-0.1701
558	0	Correlation	2.4666	2.2937	-0.1729
724	20	Biased	1.95	1.9872	0.0372
744	50	Biased	2.4309	2.6117	0.1808
799	50	Biased	1.8946	2.4685	0.5739
842	30	Unbiased	2.5275	1.9363	-0.5912
930	50	Unbiased	2.3396	2.2356	-0.104
964	20	Unbiased	2.3424	2.1116	-0.2308
1056	0	Correlation	2.3867	2.3916	0.0049
1095	50	Unbiased	1.8897	2.2082	0.3185
1099	0	Correlation	2.3622	2.3439	-0.0183
1215	50	Unbiased	2.5125	2.0295	-0.483
1229	50	Unbiased	2.0177	2.3028	0.2851
1297	20	Biased	2.5201	2.1099	-0.4102
1331	30	Unbiased	2.1896	2.5905	0.4009
1337	20	Biased	2.3847	2.2745	-0.1102
1359	30	Biased	2.2658	1.8464	-0.4194
1375	30	Unbiased	2.301	2.0367	-0.2643
1398	30	Biased	2.3524	2.5365	0.1841
1401	20	Biased	2.3866	1.9385	-0.4481
1411	50	Biased	2.2935	1.897	-0.3965
1474	50	Biased	2.06	2.0744	0.0144
1500	20	Unbiased	1.9502	2.3169	0.3667
1504	50	Biased	2.3737	2.06	-0.3137
1662	30	Biased	2.007	1.8883	-0.1187
1703	30	Biased	1.8566	2.3707	0.5141
1736	30	Biased	2.0254	2.2617	0.2363
1737	0	Correlation	1.8484	1.9332	0.0848
1748	0	Correlation	2.3814	1.922	-0.4594
1794	20	Biased	1.9743	2.0376	0.0633

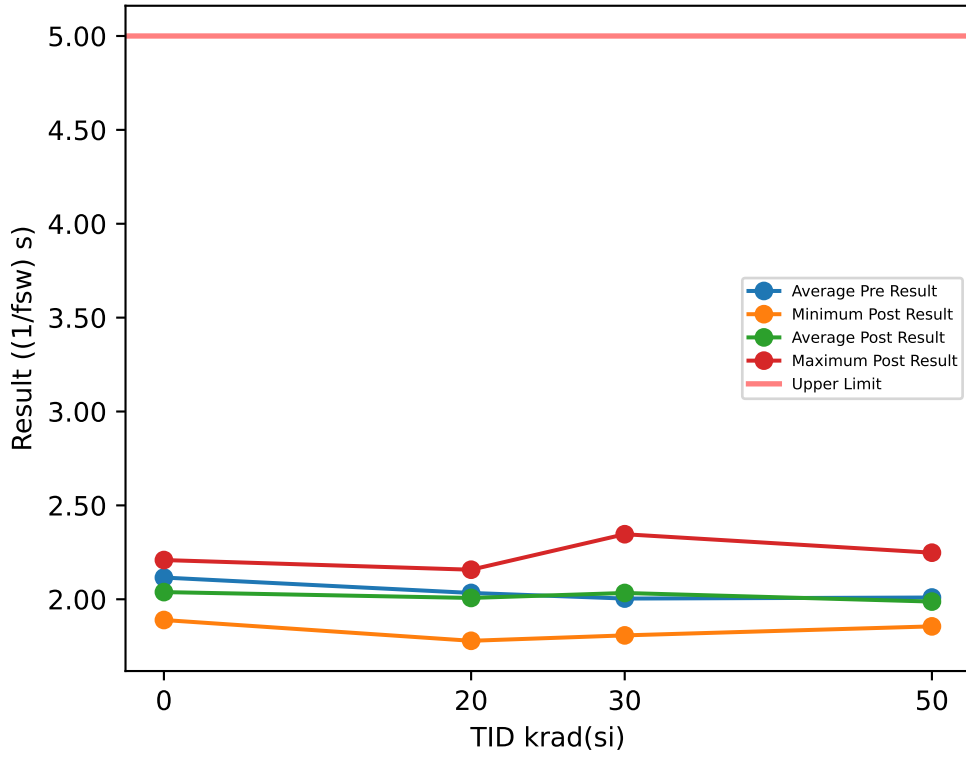
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8484	2.2891	2.4666	0.24956	1.922	2.1769	2.3916	0.23021	-0.4594	-0.11218	0.0848	0.21539
20	1.9272	2.1707	2.5201	0.23653	1.9385	2.1856	2.5358	0.19025	-0.4481	0.01495	0.4663	0.31204
30	1.8566	2.2014	2.5275	0.21479	1.8464	2.1428	2.5905	0.27961	-0.5912	-0.05864	0.5141	0.37221
50	1.8897	2.2571	2.7584	0.285	1.897	2.1838	2.6117	0.22839	-0.8081	-0.07326	0.5739	0.4274

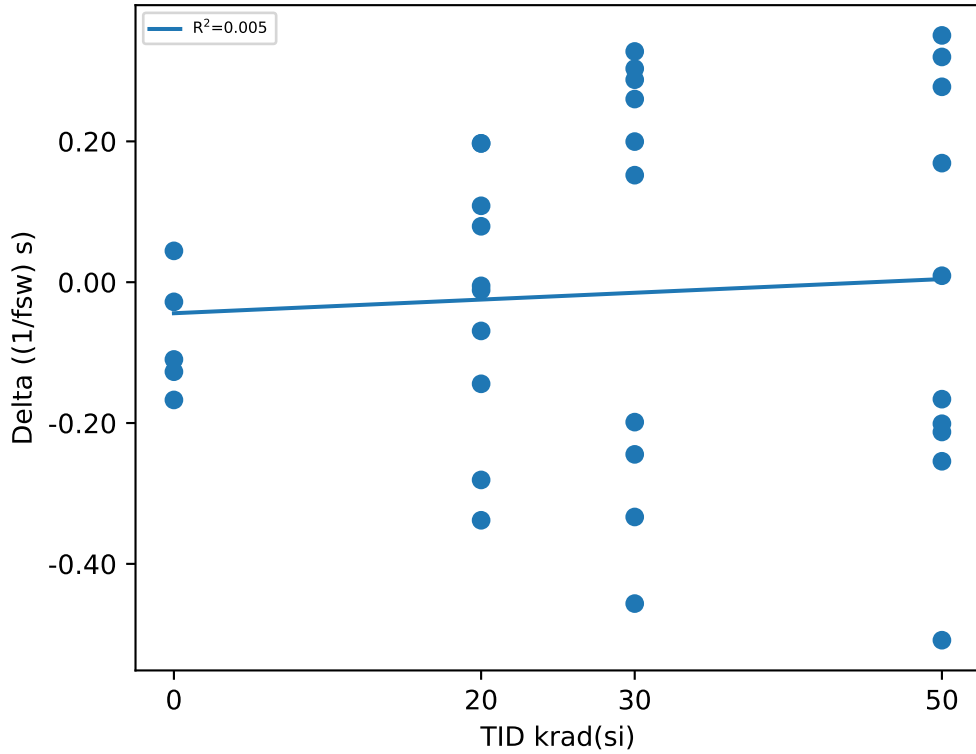
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.2913	2.147	-0.1443
371	20	Unbiased	1.8923	2.0894	0.1971
383	20	Unbiased	2.0103	2.1188	0.1085
390	50	Unbiased	2.0922	1.8795	-0.2127
444	30	Unbiased	2.1225	1.878	-0.2445
509	30	Unbiased	1.7493	1.9013	0.152
558	0	Correlation	2.2711	2.1614	-0.1097
724	20	Biased	1.79	1.7788	-0.0112
744	50	Biased	2.2389	2.2481	0.0092
799	50	Biased	1.8254	2.1759	0.3505
842	30	Unbiased	2.1959	1.9972	-0.1987
930	50	Unbiased	2.1035	1.9025	-0.201
964	20	Unbiased	1.97	1.9008	-0.0692
1056	0	Correlation	2.1644	2.2089	0.0445
1095	50	Unbiased	1.7519	2.0718	0.3199
1099	0	Correlation	2.1258	1.9987	-0.1271
1215	50	Unbiased	2.0481	1.882	-0.1661
1229	50	Unbiased	1.7553	2.0328	0.2775
1297	20	Biased	2.2732	1.9351	-0.3381
1331	30	Unbiased	2.0431	2.3464	0.3033
1337	20	Biased	2.1626	2.1574	-0.0052
1359	30	Biased	2.2317	1.8983	-0.3334
1375	30	Unbiased	2.264	1.8076	-0.4564
1398	30	Biased	2.0177	2.2778	0.2601
1401	20	Biased	2.1628	1.882	-0.2808
1411	50	Biased	2.364	1.8556	-0.5084
1474	50	Biased	1.7938	1.9629	0.1691
1500	20	Unbiased	1.9051	2.1023	0.1972
1504	50	Biased	2.1204	1.8661	-0.2543
1662	30	Biased	1.6442	1.8439	0.1997
1703	30	Biased	1.8889	2.1765	0.2876
1736	30	Biased	1.8802	2.2079	0.3277
1737	0	Correlation	1.9174	1.8895	-0.0279
1748	0	Correlation	2.0997	1.9325	-0.1672
1794	20	Biased	1.879	1.9584	0.0794

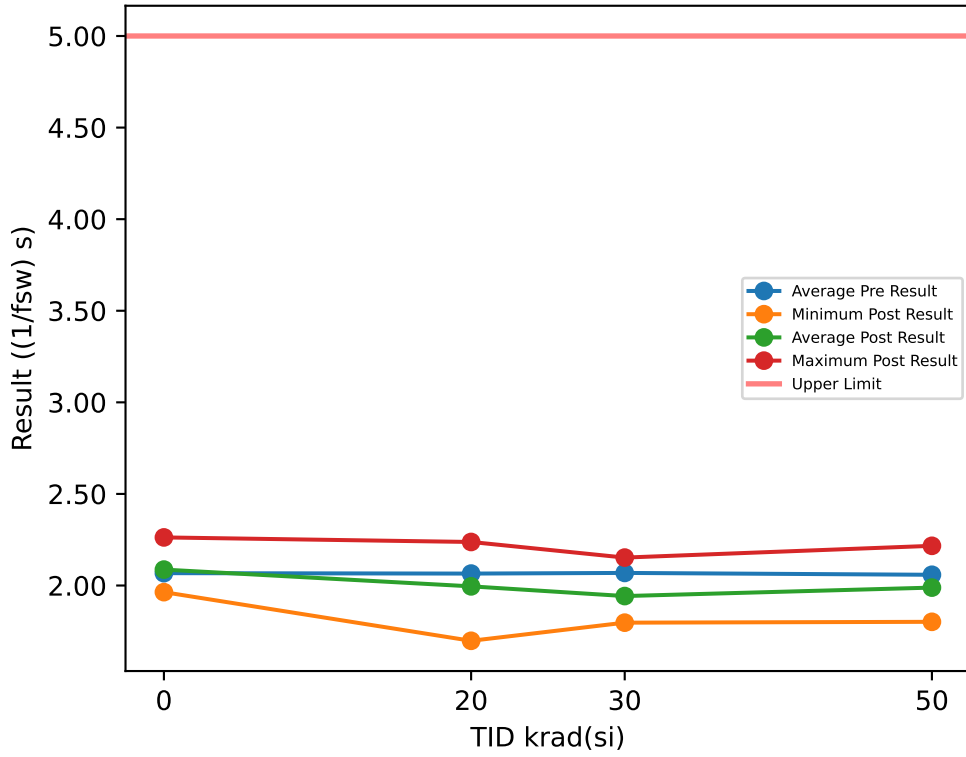
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.9174	2.1157	2.2711	0.12865	1.8895	2.0382	2.2089	0.14068	-0.1672	-0.07748	0.0445	0.084981
20	1.79	2.0337	2.2913	0.17684	1.7788	2.007	2.1574	0.13212	-0.3381	-0.02666	0.1972	0.18488
30	1.6442	2.0038	2.264	0.20948	1.8076	2.0335	2.3464	0.19908	-0.4564	0.02974	0.3277	0.30232
50	1.7519	2.0093	2.364	0.21581	1.8556	1.9877	2.2481	0.13957	-0.5084	-0.02163	0.3505	0.29108

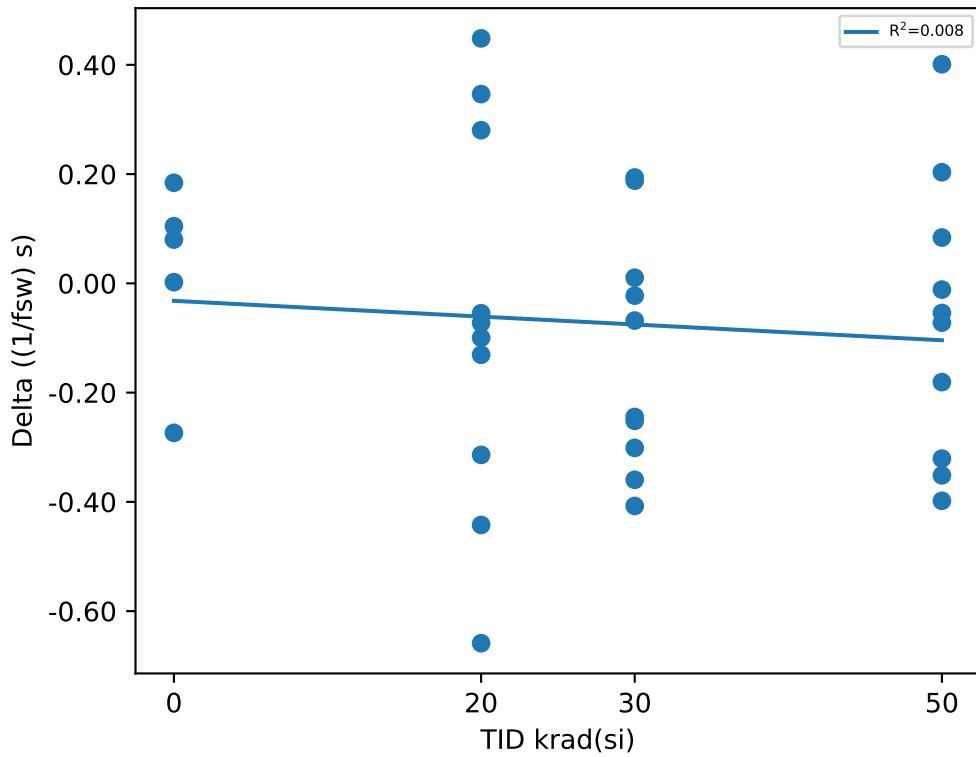
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.3373	2.2377	-0.0996
371	20	Unbiased	1.7842	2.2326	0.4484
383	20	Unbiased	1.937	2.2173	0.2803
390	50	Unbiased	2.0698	1.889	-0.1808
444	30	Unbiased	2.1143	1.8131	-0.3012
509	30	Unbiased	1.8531	1.8634	0.0103
558	0	Correlation	2.158	2.2626	0.1046
724	20	Biased	1.8802	1.8078	-0.0724
744	50	Biased	2.1542	2.1428	-0.0114
799	50	Biased	1.8156	2.2167	0.4011
842	30	Unbiased	2.244	1.8365	-0.4075
930	50	Unbiased	2.0952	2.0233	-0.0719
964	20	Unbiased	2.2374	1.7951	-0.4423
1056	0	Correlation	2.1139	2.1941	0.0802
1095	50	Unbiased	1.94	2.1434	0.2034
1099	0	Correlation	2.0153	2.0175	0.0022
1215	50	Unbiased	2.192	1.8712	-0.3208
1229	50	Unbiased	2.0473	1.9931	-0.0542
1297	20	Biased	2.3569	1.6982	-0.6587
1331	30	Unbiased	2.1771	2.109	-0.0681
1337	20	Biased	2.272	2.2173	-0.0547
1359	30	Biased	2.1568	1.7972	-0.3596
1375	30	Unbiased	2.1276	1.883	-0.2446
1398	30	Biased	2.2736	2.0219	-0.2517
1401	20	Biased	2.16	1.846	-0.314
1411	50	Biased	2.1936	1.8421	-0.3515
1474	50	Biased	1.8789	1.9628	0.0839
1500	20	Unbiased	1.7691	2.1155	0.3464
1504	50	Biased	2.1998	1.8018	-0.398
1662	30	Biased	1.8213	1.7988	-0.0225
1703	30	Biased	1.9609	2.1489	0.188
1736	30	Biased	1.9587	2.1525	0.1938
1737	0	Correlation	1.7797	1.9638	0.1841
1748	0	Correlation	2.2704	1.9967	-0.2737
1794	20	Biased	1.9176	1.7869	-0.1307

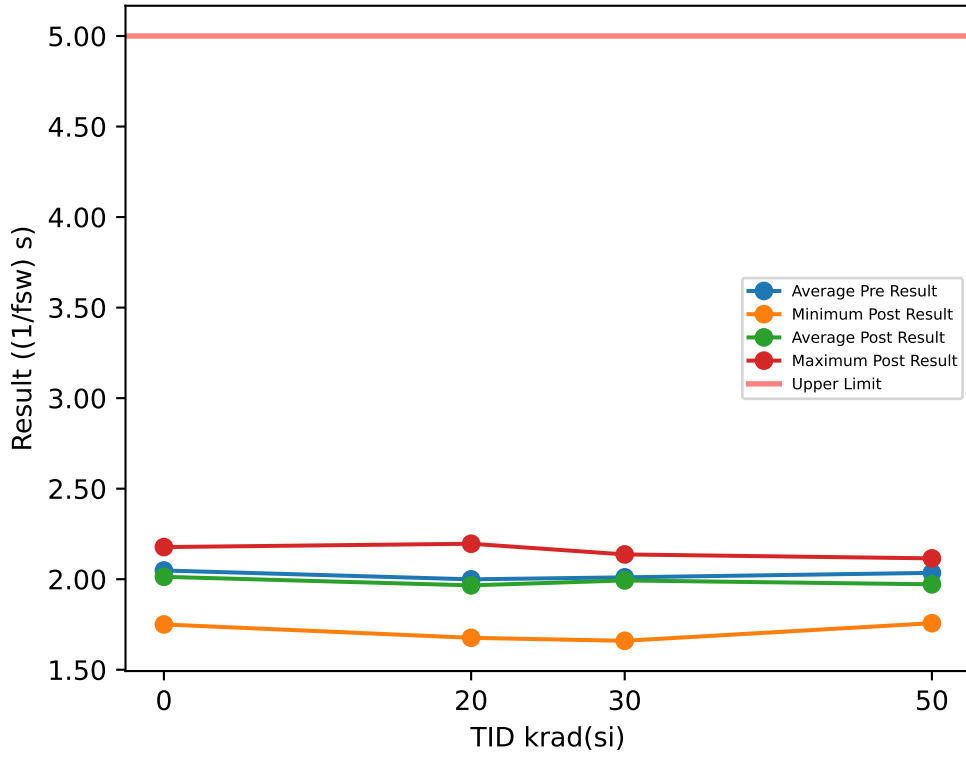
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.7797	2.0675	2.2704	0.18511	1.9638	2.0869	2.2626	0.13273	-0.2737	0.01948	0.1841	0.17627
20	1.7691	2.0652	2.3569	0.23085	1.6982	1.9954	2.2377	0.22542	-0.6587	-0.06973	0.4484	0.35188
30	1.8213	2.0687	2.2736	0.15958	1.7972	1.9424	2.1525	0.14917	-0.4075	-0.12631	0.1938	0.21804
50	1.8156	2.0586	2.1998	0.13828	1.8018	1.9886	2.2167	0.1421	-0.398	-0.07002	0.4011	0.25518

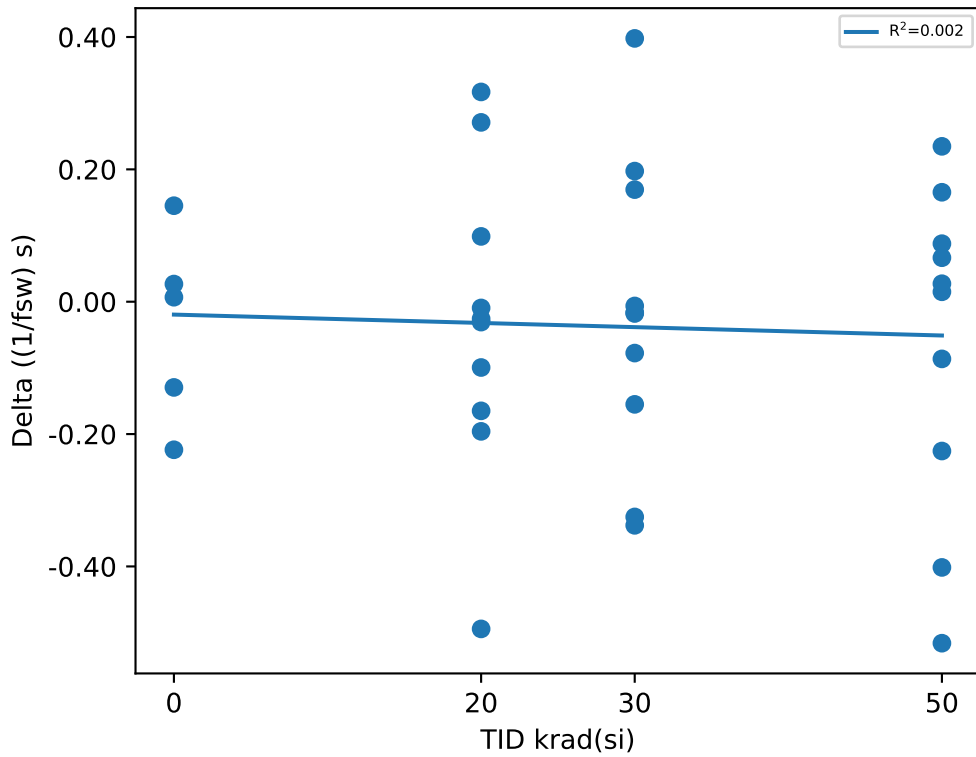
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.1079	2.0822	-0.0257
371	20	Unbiased	1.9403	2.039	0.0987
383	20	Unbiased	1.9248	2.1958	0.271
390	50	Unbiased	2.0515	1.8259	-0.2256
444	30	Unbiased	1.8912	2.0886	0.1974
509	30	Unbiased	1.9977	1.6598	-0.3379
558	0	Correlation	2.0911	2.1178	0.0267
724	20	Biased	1.8605	1.8511	-0.0094
744	50	Biased	2.0113	2.099	0.0877
799	50	Biased	2.0763	2.1035	0.0272
842	30	Unbiased	2.0935	1.9384	-0.1551
930	50	Unbiased	2.09	2.0036	-0.0864
964	20	Unbiased	2.1706	1.6762	-0.4944
1056	0	Correlation	2.0756	2.0824	0.0068
1095	50	Unbiased	1.9271	2.0925	0.1654
1099	0	Correlation	2.0323	2.1774	0.1451
1215	50	Unbiased	2.1585	1.757	-0.4015
1229	50	Unbiased	1.8803	2.1151	0.2348
1297	20	Biased	2.0458	1.9464	-0.0994
1331	30	Unbiased	2.1331	2.1267	-0.0064
1337	20	Biased	2.2436	2.0477	-0.1959
1359	30	Biased	2.144	1.8188	-0.3252
1375	30	Unbiased	2.0471	2.0293	-0.0178
1398	30	Biased	2.157	2.0794	-0.0776
1401	20	Biased	2.072	1.9071	-0.1649
1411	50	Biased	2.0149	2.0299	0.015
1474	50	Biased	1.8627	1.9292	0.0665
1500	20	Unbiased	1.8298	2.1468	0.317
1504	50	Biased	2.2774	1.7614	-0.516
1662	30	Biased	1.9472	1.931	-0.0162
1703	30	Biased	1.9674	2.1368	0.1694
1736	30	Biased	1.7245	2.1224	0.3979
1737	0	Correlation	1.8797	1.7502	-0.1295
1748	0	Correlation	2.1623	1.9386	-0.2237
1794	20	Biased	1.7971	1.7663	-0.0308

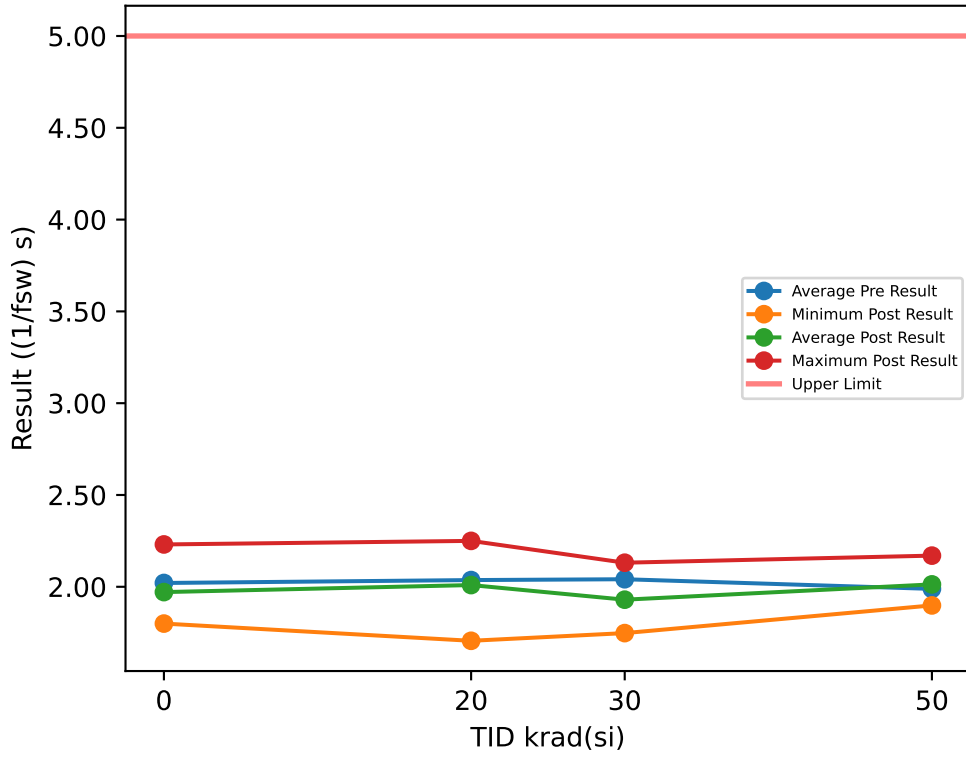
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.8797	2.0482	2.1623	0.10518	1.7502	2.0133	2.1774	0.17134	-0.2237	-0.03492	0.1451	0.14364
20	1.7971	1.9992	2.2436	0.15136	1.6762	1.9659	2.1958	0.16731	-0.4944	-0.03338	0.317	0.23431
30	1.7245	2.0103	2.157	0.13524	1.6598	1.9931	2.1368	0.15685	-0.3379	-0.01715	0.3979	0.22941
50	1.8627	2.035	2.2774	0.12703	1.757	1.9717	2.1151	0.14396	-0.516	-0.06329	0.2348	0.24525

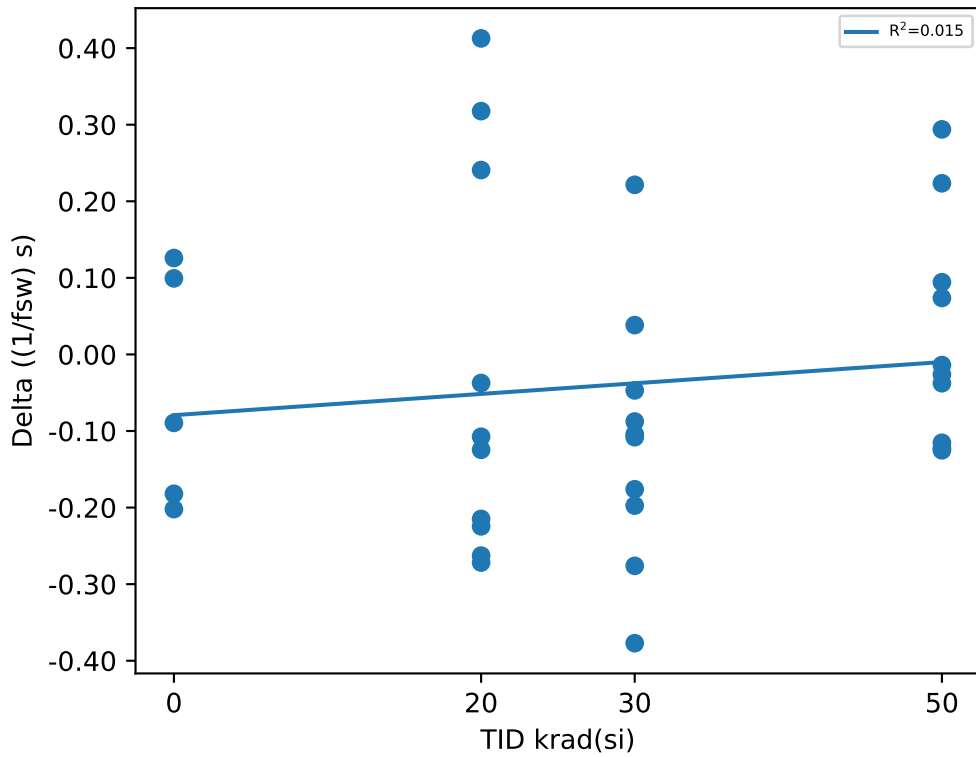
TID vs Result Stats



Test Results (Upper Limit = 5.0 ((1/fsw) s))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.1951	2.1578	-0.0373
371	20	Unbiased	1.8329	2.1506	0.3177
383	20	Unbiased	1.9759	2.2167	0.2408
390	50	Unbiased	2.089	2.1627	0.0737
444	30	Unbiased	1.9203	1.8161	-0.1042
509	30	Unbiased	1.9238	1.7477	-0.1761
558	0	Correlation	2.1047	2.2306	0.1259
724	20	Biased	1.9685	1.7058	-0.2627
744	50	Biased	2.2851	2.1697	-0.1154
799	50	Biased	1.8138	2.0373	0.2235
842	30	Unbiased	2.0491	1.8517	-0.1974
930	50	Unbiased	1.9769	1.9393	-0.0376
964	20	Unbiased	2.0859	1.8711	-0.2148
1056	0	Correlation	2.1775	1.9755	-0.202
1095	50	Unbiased	1.7749	2.0688	0.2939
1099	0	Correlation	1.941	2.0403	0.0993
1215	50	Unbiased	2.1287	2.0035	-0.1252
1229	50	Unbiased	1.8042	1.8985	0.0943
1297	20	Biased	2.1326	1.9081	-0.2245
1331	30	Unbiased	2.2187	2.1311	-0.0876
1337	20	Biased	2.201	2.0935	-0.1075
1359	30	Biased	2.1504	1.8743	-0.2761
1375	30	Unbiased	2.158	1.7809	-0.3771
1398	30	Biased	2.2095	2.1014	-0.1081
1401	20	Biased	2.0877	1.9632	-0.1245
1411	50	Biased	2.0664	1.9441	-0.1223
1474	50	Biased	1.9167	1.9028	-0.0139
1500	20	Unbiased	1.8373	2.25	0.4127
1504	50	Biased	2.0297	2.0035	-0.0262
1662	30	Biased	1.9363	1.8893	-0.047
1703	30	Biased	1.9931	2.0314	0.0383
1736	30	Biased	1.8519	2.0734	0.2215
1737	0	Correlation	1.889	1.7996	-0.0894
1748	0	Correlation	1.9914	1.8094	-0.182
1794	20	Biased	2.0487	1.7769	-0.2718

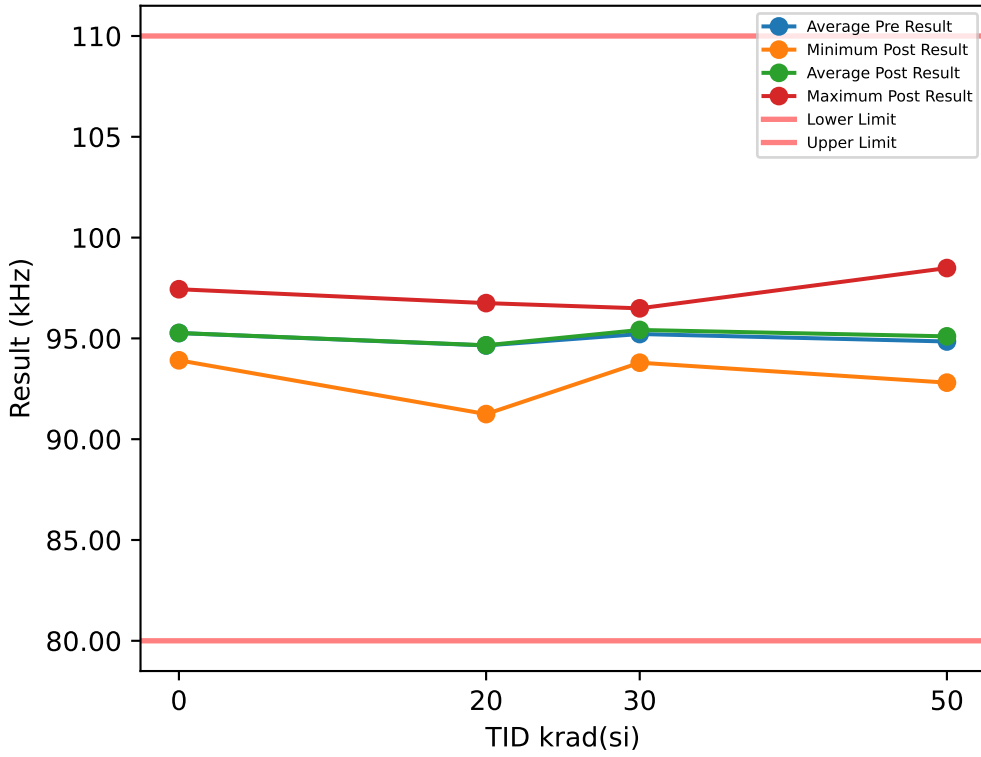
TID vs Post - Pre Exposure Delta



Test Statistics ((1/fsw) s)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.889	2.0207	2.1775	0.11853	1.7996	1.9711	2.2306	0.17868	-0.202	-0.04964	0.1259	0.15436
20	1.8329	2.0366	2.201	0.13169	1.7058	2.0094	2.25	0.1908	-0.2718	-0.02719	0.4127	0.25598
30	1.8519	2.0411	2.2187	0.13458	1.7477	1.9297	2.1311	0.14142	-0.3771	-0.11138	0.2215	0.16577
50	1.7749	1.9885	2.2851	0.1636	1.8985	2.013	2.1697	0.097913	-0.1252	0.02448	0.2939	0.14564

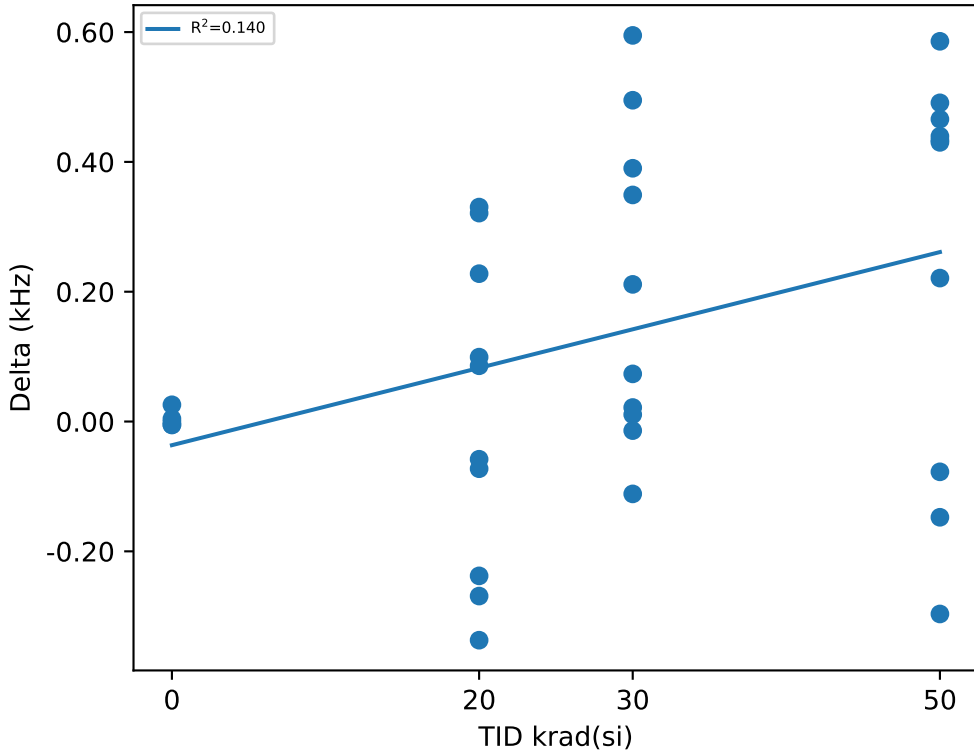
TID vs Result Stats



Test Results (Lower Limit = 80.0, Upper Limit = 110.0 (kHz))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	91.515	91.246	-0.2689
371	20	Unbiased	95.674	95.773	0.0992
383	20	Unbiased	95.13	95.057	-0.0727
390	50	Unbiased	94.556	94.989	0.4335
444	30	Unbiased	96.101	96.491	0.3902
509	30	Unbiased	96.019	96.03	0.0107
558	0	Correlation	95.35	95.345	-0.005
724	20	Biased	96.808	96.75	-0.0581
744	50	Biased	93.118	93.548	0.4301
799	50	Biased	93.102	92.806	-0.2965
842	30	Unbiased	93.445	93.795	0.3491
930	50	Unbiased	97.998	98.489	0.491
964	20	Unbiased	94.727	94.489	-0.2378
1056	0	Correlation	94.849	94.844	-0.0053
1095	50	Unbiased	96.362	96.948	0.5858
1099	0	Correlation	97.413	97.439	0.0258
1215	50	Unbiased	95.281	95.204	-0.0775
1229	50	Unbiased	94.271	94.492	0.221
1297	20	Biased	93.358	93.688	0.3304
1331	30	Unbiased	94.622	94.51	-0.1115
1337	20	Biased	94.687	94.915	0.2278
1359	30	Biased	95.836	96.431	0.5949
1375	30	Unbiased	95.116	95.102	-0.014
1398	30	Biased	95.632	95.844	0.2113
1401	20	Biased	95.046	94.71	-0.3369
1411	50	Biased	94.453	94.893	0.4395
1474	50	Biased	94.858	94.711	-0.1475
1500	20	Unbiased	96.335	96.421	0.0859
1504	50	Biased	94.47	94.936	0.4658
1662	30	Biased	94.98	95.475	0.495
1703	30	Biased	94.77	94.792	0.0216
1736	30	Biased	95.65	95.723	0.0734
1737	0	Correlation	93.914	93.913	-0.0006
1748	0	Correlation	94.802	94.806	0.0043
1794	20	Biased	93.216	93.537	0.3211

TID vs Post - Pre Exposure Delta

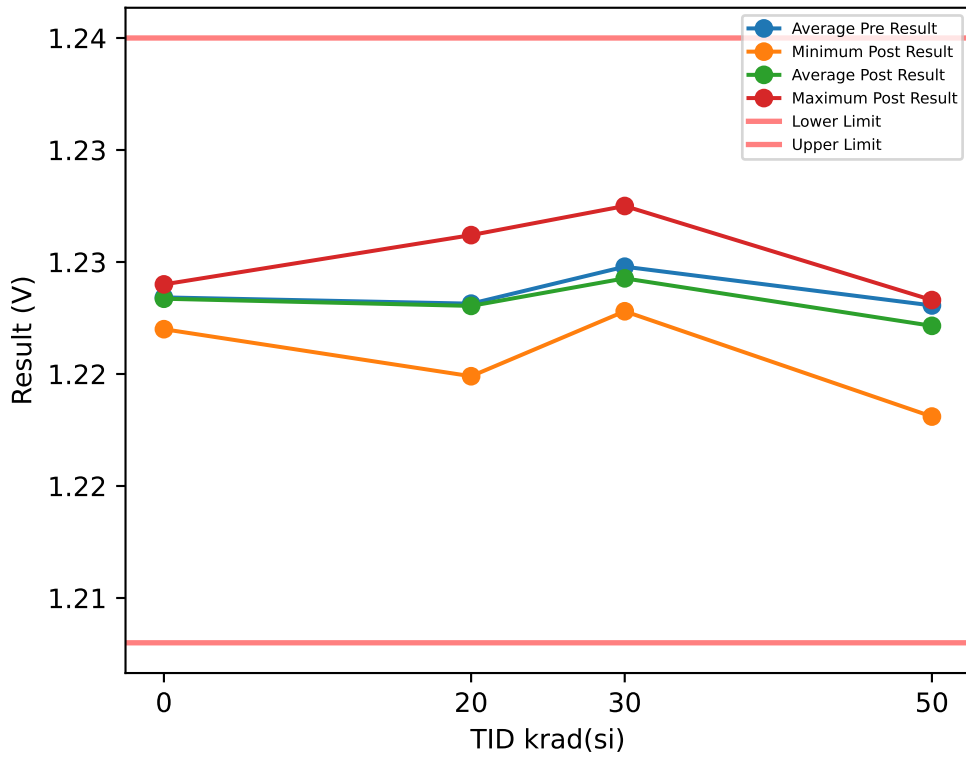


Test Statistics (kHz)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	93.914	95.266	97.413	1.3072	93.913	95.27	97.439	1.3179	-0.0053	0.00384	0.0258	0.012883
20	91.515	94.65	96.808	1.581	91.246	94.659	96.75	1.5925	-0.3369	0.009	0.3304	0.24303
30	93.445	95.217	96.101	0.81146	93.795	95.419	96.491	0.86797	-0.1115	0.20207	0.5949	0.24221
50	93.102	94.847	97.998	1.4592	92.806	95.101	98.489	1.6051	-0.2965	0.25452	0.5858	0.3134

Device Test: 21.11 VOLTAGE|VREF/VREF/14/14/0/0/5/500kHz//@V_REFCAP

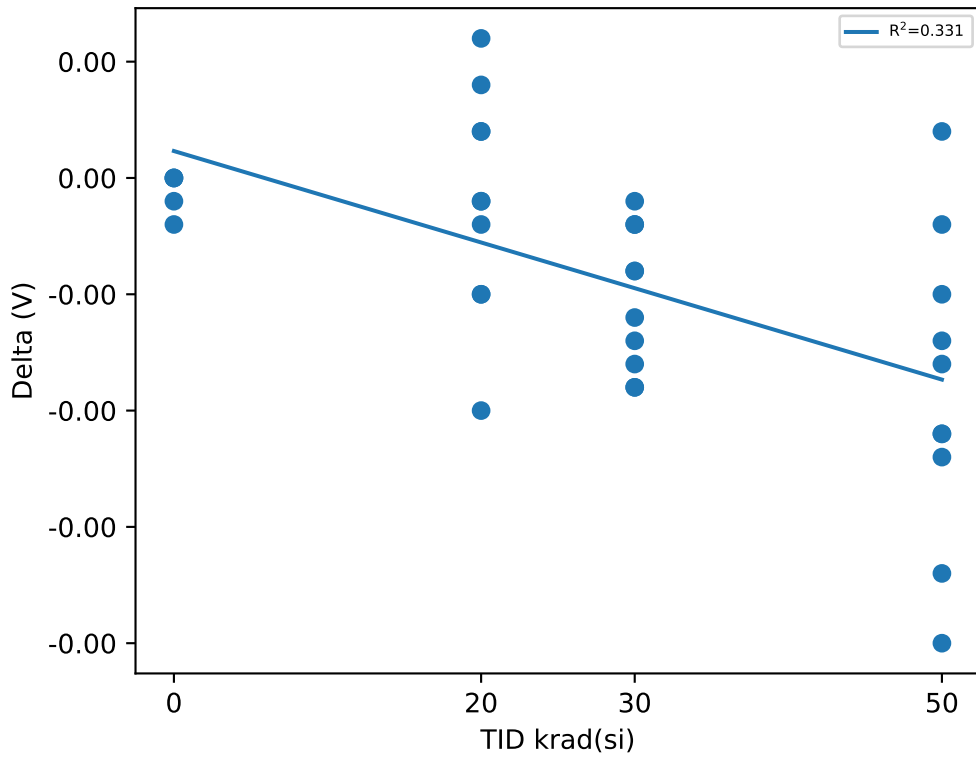
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2199	-0.0005
371	20	Unbiased	1.2233	1.2232	-0.0001
383	20	Unbiased	1.2208	1.2212	0.0004
390	50	Unbiased	1.2241	1.2233	-0.0008
444	30	Unbiased	1.2276	1.2275	-0.0001
509	30	Unbiased	1.2255	1.2253	-0.0002
558	0	Correlation	1.2234	1.2233	-0.0001
724	20	Biased	1.2252	1.2247	-0.0005
744	50	Biased	1.2217	1.2212	-0.0005
799	50	Biased	1.2226	1.2224	-0.0002
842	30	Unbiased	1.2237	1.2229	-0.0008
930	50	Unbiased	1.2244	1.2232	-0.0012
964	20	Unbiased	1.2221	1.2223	0.0002
1056	0	Correlation	1.224	1.224	0
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.2239	0
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2238	1.2231	-0.0007
1297	20	Biased	1.2224	1.2222	-0.0002
1331	30	Unbiased	1.2242	1.2233	-0.0009
1337	20	Biased	1.2251	1.2241	-0.001
1359	30	Biased	1.2237	1.2228	-0.0009
1375	30	Unbiased	1.2236	1.223	-0.0006
1398	30	Biased	1.2242	1.2235	-0.0007
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2247	1.223	-0.0017
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2234	1.2236	0.0002
1504	50	Biased	1.2192	1.2181	-0.0011
1662	30	Biased	1.225	1.2248	-0.0002
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2243	-0.0004
1737	0	Correlation	1.2236	1.2236	0
1748	0	Correlation	1.2222	1.222	-0.0002
1794	20	Biased	1.2231	1.223	-0.0001

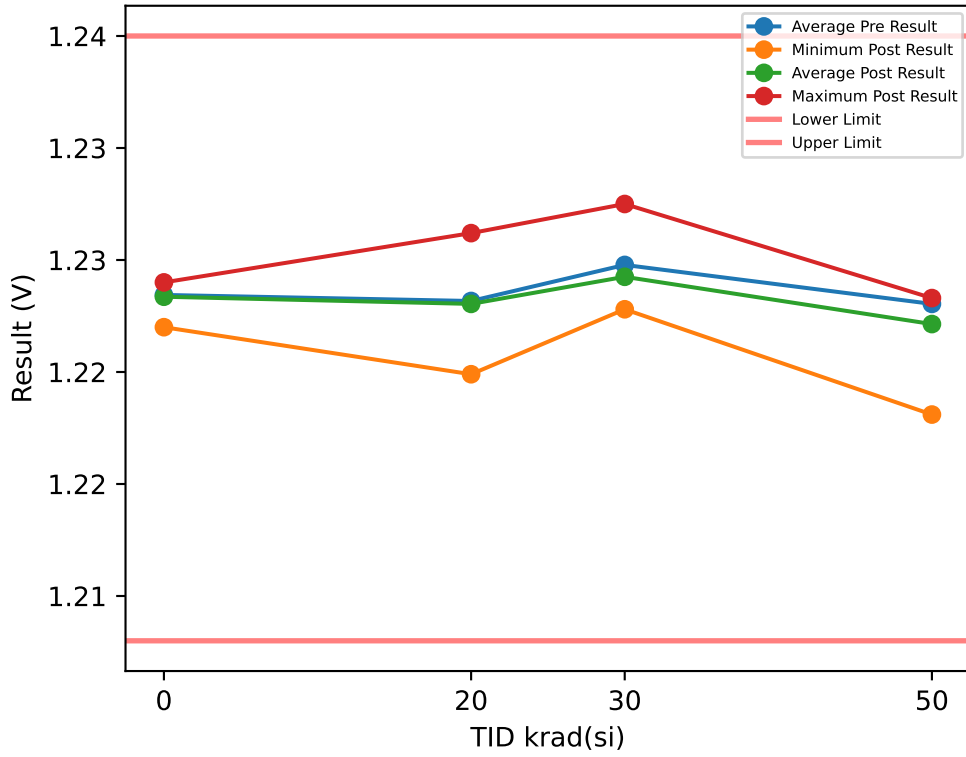
TID vs Post - Pre Exposure Delta



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	1.2222	1.2234	1.224	0.0007225	1.222	1.2234	1.224	0.00080808	-0.0002	-6e-05	0	8.9443e-05
20	1.2204	1.2231	1.2256	0.0017902	1.2199	1.223	1.2262	0.0017859	-0.001	-0.0001	0.0006	0.00047842
30	1.2236	1.2248	1.2276	0.0012369	1.2228	1.2243	1.2275	0.0014915	-0.0009	-0.00052	-0.0001	0.00030111
50	1.2192	1.2231	1.2247	0.0016794	1.2181	1.2222	1.2233	0.0015501	-0.002	-0.00091	0.0002	0.00066072

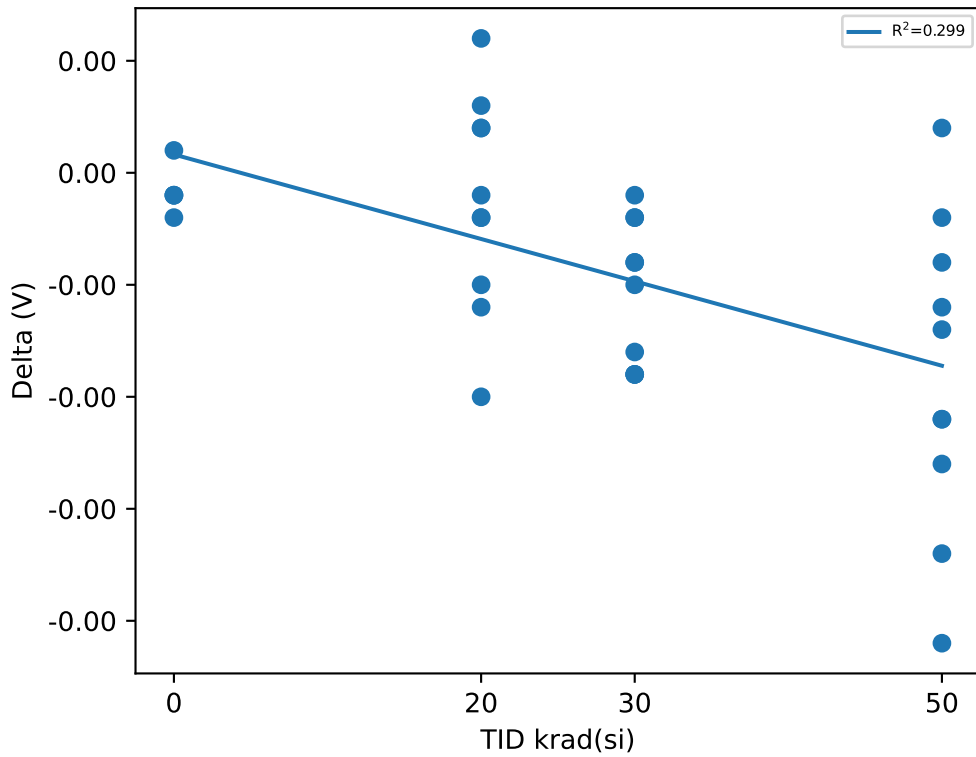
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2205	1.2199	-0.0006
371	20	Unbiased	1.2233	1.2232	-0.0001
383	20	Unbiased	1.2209	1.2212	0.0003
390	50	Unbiased	1.224	1.2233	-0.0007
444	30	Unbiased	1.2276	1.2275	-0.0001
509	30	Unbiased	1.2255	1.2253	-0.0002
558	0	Correlation	1.2234	1.2233	-0.0001
724	20	Biased	1.2252	1.2247	-0.0005
744	50	Biased	1.2216	1.2212	-0.0004
799	50	Biased	1.2226	1.2224	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2244	1.2231	-0.0013
964	20	Unbiased	1.2221	1.2223	0.0002
1056	0	Correlation	1.2241	1.224	-0.0001
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.224	0.0001
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2224	1.2222	-0.0002
1331	30	Unbiased	1.2242	1.2233	-0.0009
1337	20	Biased	1.2251	1.2241	-0.001
1359	30	Biased	1.2237	1.2228	-0.0009
1375	30	Unbiased	1.2235	1.223	-0.0005
1398	30	Biased	1.2242	1.2234	-0.0008
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2247	1.223	-0.0017
1474	50	Biased	1.2244	1.2223	-0.0021
1500	20	Unbiased	1.2234	1.2236	0.0002
1504	50	Biased	1.2192	1.2181	-0.0011
1662	30	Biased	1.225	1.2248	-0.0002
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2243	-0.0004
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2222	1.222	-0.0002
1794	20	Biased	1.2232	1.223	-0.0002

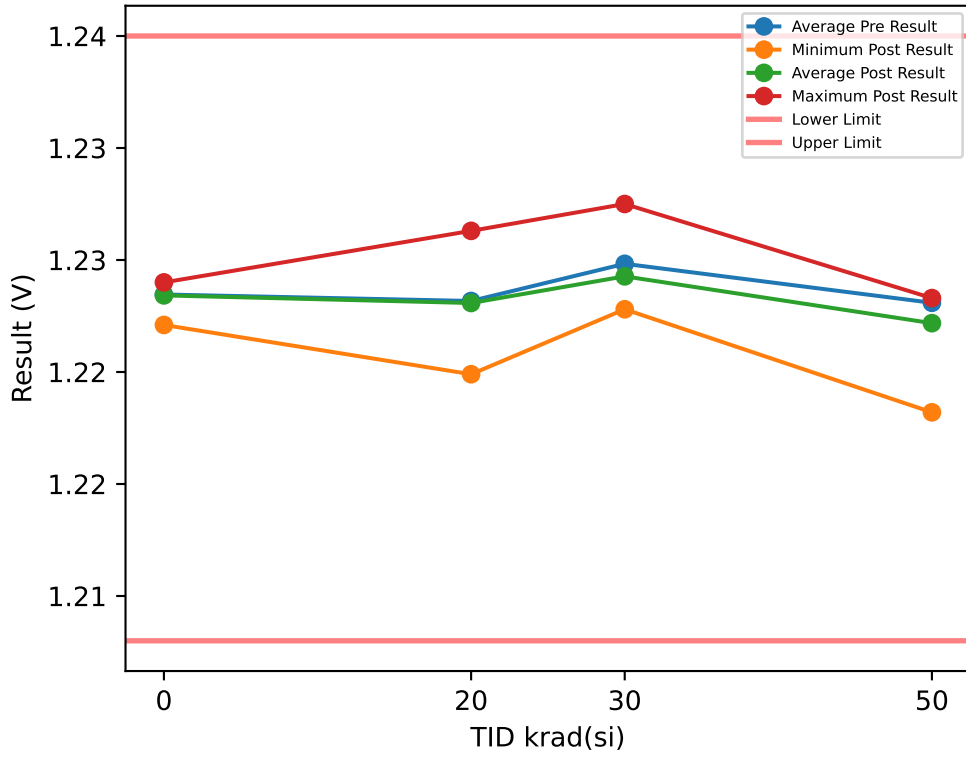
TID vs Post - Pre Exposure Delta



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	1.2222	1.2234	1.2241	0.00074364	1.222	1.2234	1.224	0.00082037	-0.0002	-8e-05	0.0001	0.00010954
20	1.2205	1.2232	1.2256	0.0017588	1.2199	1.223	1.2262	0.0017859	-0.001	-0.00013	0.0006	0.00047854
30	1.2235	1.2248	1.2276	0.0012479	1.2228	1.2243	1.2275	0.0015079	-0.0009	-0.00053	-0.0001	0.0003199
50	1.2192	1.223	1.2247	0.001686	1.2181	1.2221	1.2233	0.0015429	-0.0021	-0.0009	0.0002	0.00069921

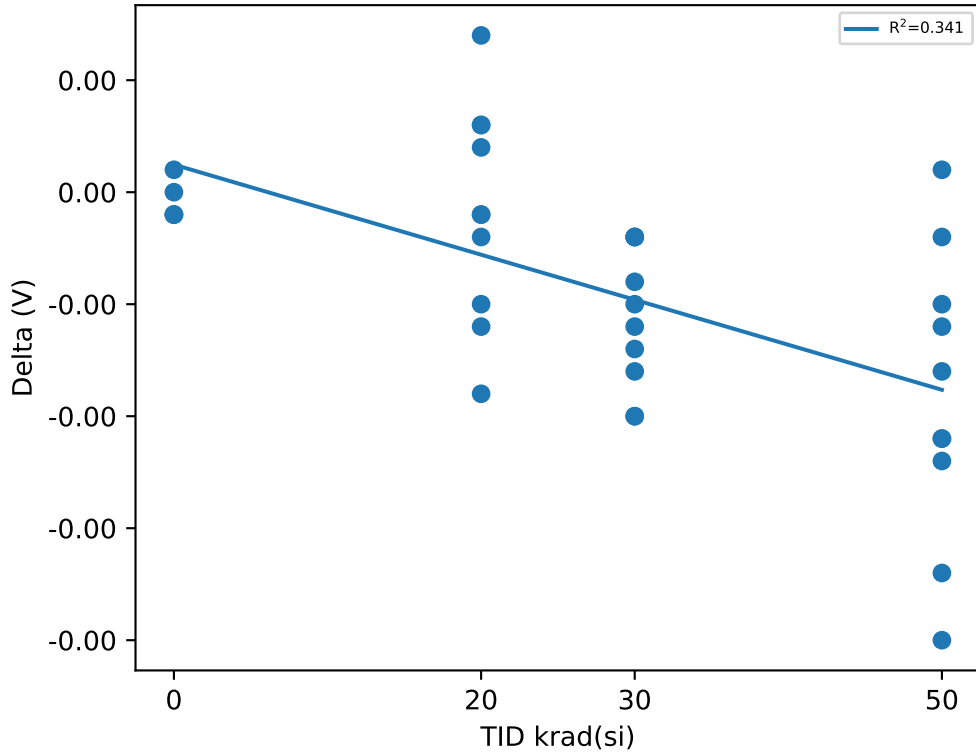
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2205	1.2199	-0.0006
371	20	Unbiased	1.2233	1.2232	-0.0001
383	20	Unbiased	1.2209	1.2212	0.0003
390	50	Unbiased	1.2241	1.2233	-0.0008
444	30	Unbiased	1.2277	1.2275	-0.0002
509	30	Unbiased	1.2255	1.2253	-0.0002
558	0	Correlation	1.2234	1.2234	0
724	20	Biased	1.2252	1.2247	-0.0005
744	50	Biased	1.2217	1.2212	-0.0005
799	50	Biased	1.2226	1.2224	-0.0002
842	30	Unbiased	1.2237	1.2229	-0.0008
930	50	Unbiased	1.2244	1.2232	-0.0012
964	20	Unbiased	1.2221	1.2223	0.0002
1056	0	Correlation	1.2241	1.224	-0.0001
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.224	0.0001
1215	50	Unbiased	1.2224	1.2225	0.0001
1229	50	Unbiased	1.2238	1.2232	-0.0006
1297	20	Biased	1.2224	1.2223	-0.0001
1331	30	Unbiased	1.2243	1.2233	-0.001
1337	20	Biased	1.2251	1.2242	-0.0009
1359	30	Biased	1.2238	1.2228	-0.001
1375	30	Unbiased	1.2236	1.223	-0.0006
1398	30	Biased	1.2242	1.2235	-0.0007
1401	20	Biased	1.2256	1.2263	0.0007
1411	50	Biased	1.2247	1.223	-0.0017
1474	50	Biased	1.2244	1.2224	-0.002
1500	20	Unbiased	1.2234	1.2237	0.0003
1504	50	Biased	1.2193	1.2182	-0.0011
1662	30	Biased	1.225	1.2248	-0.0002
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2248	1.2243	-0.0005
1737	0	Correlation	1.2237	1.2236	-0.0001
1748	0	Correlation	1.2222	1.2221	-0.0001
1794	20	Biased	1.2232	1.223	-0.0002

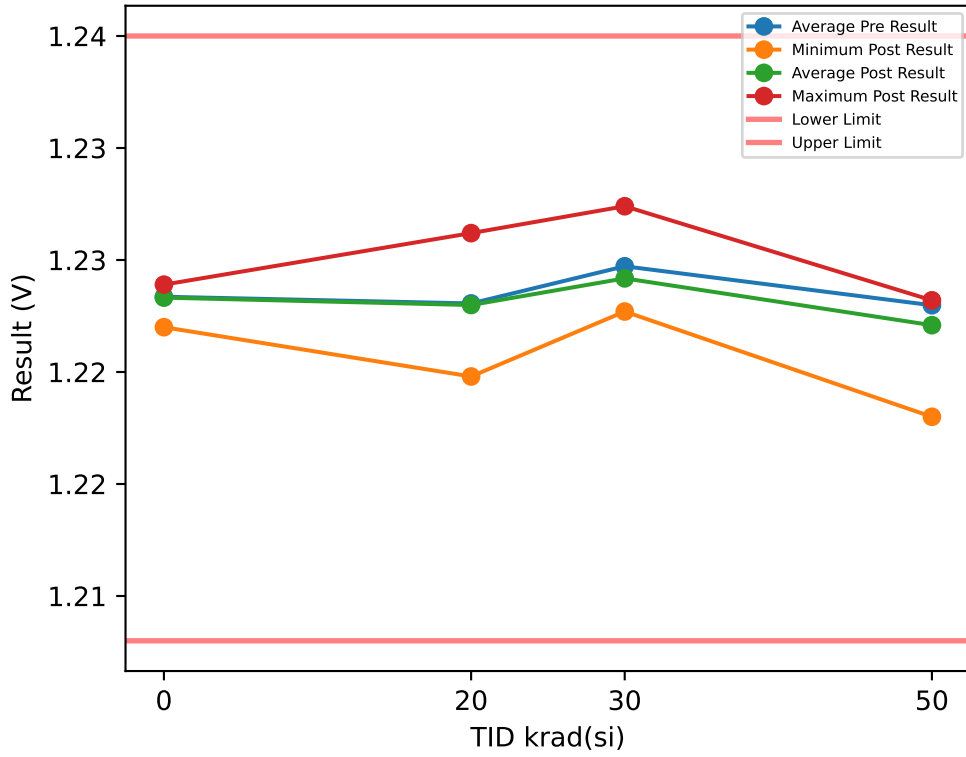
TID vs Post - Pre Exposure Delta



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	1.2222	1.2235	1.2241	0.00075033	1.2221	1.2234	1.224	0.0007823	-0.0001	-4e-05	0.0001	8.9443e-05
20	1.2205	1.2232	1.2256	0.0017588	1.2199	1.2231	1.2263	0.001811	-0.0009	-9e-05	0.0007	0.00048408
30	1.2236	1.2248	1.2277	0.0012473	1.2228	1.2243	1.2275	0.0014915	-0.001	-0.00056	-0.0002	0.0003134
50	1.2193	1.2231	1.2247	0.0016576	1.2182	1.2222	1.2233	0.0015296	-0.002	-0.00091	0.0001	0.00064713

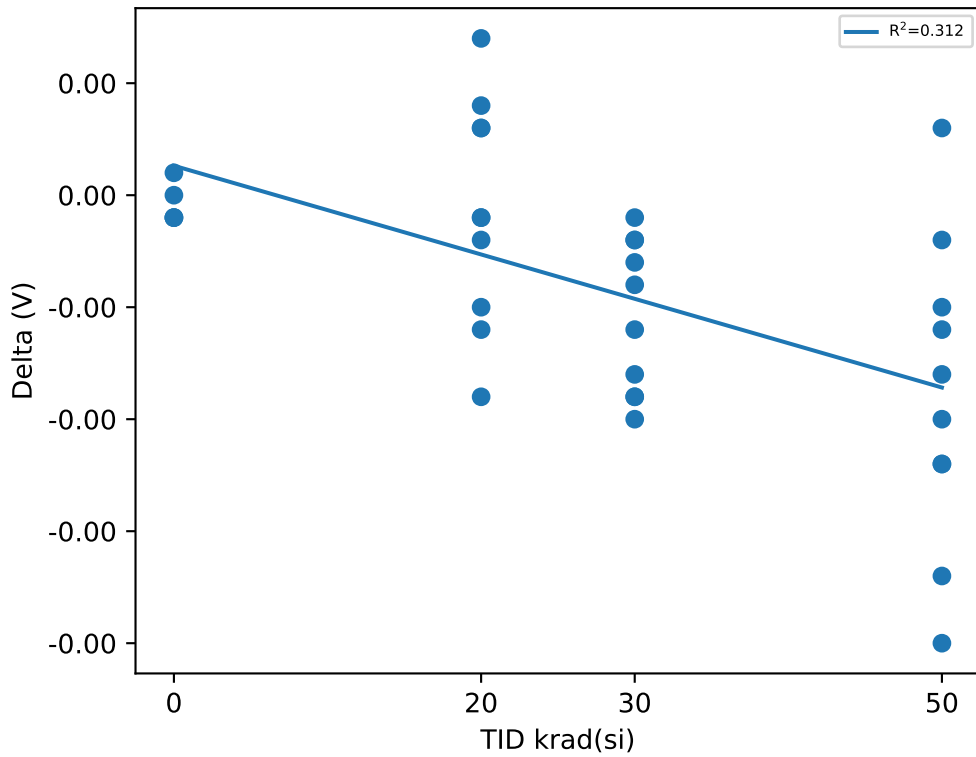
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2198	-0.0006
371	20	Unbiased	1.2232	1.2231	-0.0001
383	20	Unbiased	1.2207	1.2211	0.0004
390	50	Unbiased	1.224	1.2232	-0.0008
444	30	Unbiased	1.2276	1.2274	-0.0002
509	30	Unbiased	1.2254	1.2252	-0.0002
558	0	Correlation	1.2233	1.2233	0
724	20	Biased	1.2251	1.2246	-0.0005
744	50	Biased	1.2216	1.2211	-0.0005
799	50	Biased	1.2225	1.2223	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2243	1.2231	-0.0012
964	20	Unbiased	1.222	1.2223	0.0003
1056	0	Correlation	1.224	1.2239	-0.0001
1095	50	Unbiased	1.2234	1.2224	-0.001
1099	0	Correlation	1.2238	1.2239	0.0001
1215	50	Unbiased	1.2222	1.2225	0.0003
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2223	1.2222	-0.0001
1331	30	Unbiased	1.2242	1.2232	-0.001
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2236	1.2227	-0.0009
1375	30	Unbiased	1.2235	1.2229	-0.0006
1398	30	Biased	1.2241	1.2233	-0.0008
1401	20	Biased	1.2255	1.2262	0.0007
1411	50	Biased	1.2246	1.2229	-0.0017
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2236	0.0003
1504	50	Biased	1.2192	1.218	-0.0012
1662	30	Biased	1.2249	1.2248	-0.0001
1703	30	Biased	1.2256	1.2253	-0.0003
1736	30	Biased	1.2246	1.2242	-0.0004
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2221	1.222	-0.0001
1794	20	Biased	1.2231	1.2229	-0.0002

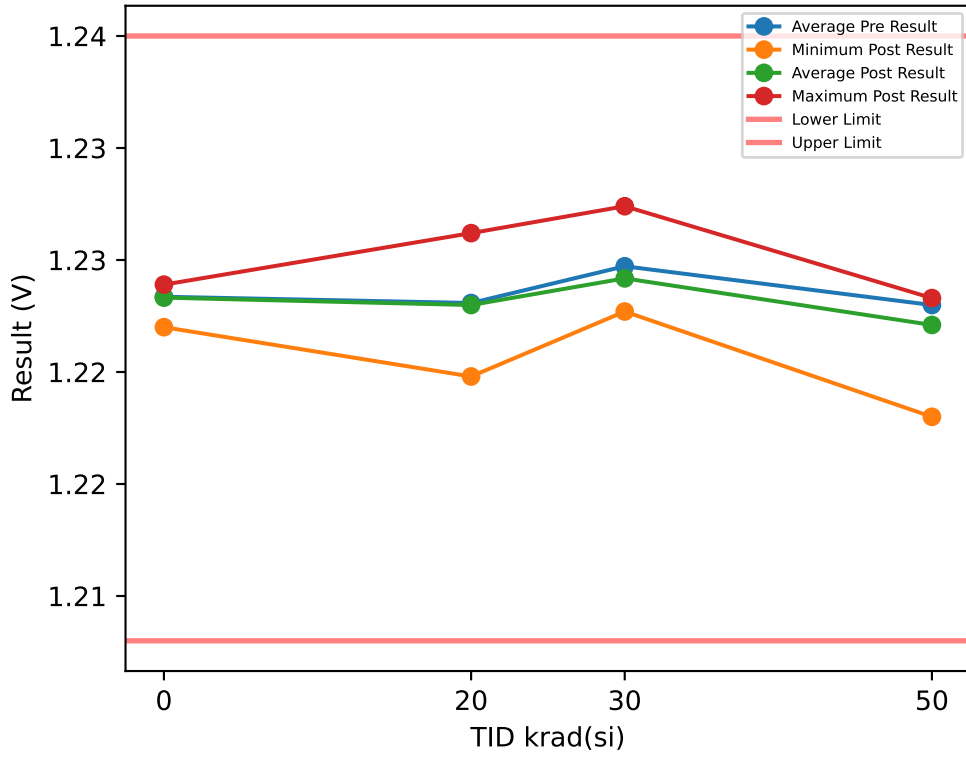
TID vs Post - Pre Exposure Delta



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	1.2221	1.2234	1.224	0.00075033	1.222	1.2233	1.2239	0.0007823	-0.0001	-4e-05	0.0001	8.9443e-05
20	1.2204	1.2231	1.2255	0.0017734	1.2198	1.223	1.2262	0.0018064	-0.0009	-7e-05	0.0007	0.00050122
30	1.2235	1.2247	1.2276	0.0012479	1.2227	1.2242	1.2274	0.0015098	-0.001	-0.00054	-0.0001	0.00034059
50	1.2192	1.223	1.2246	0.0016625	1.218	1.2221	1.2232	0.0015631	-0.002	-0.00089	0.0003	0.00068548

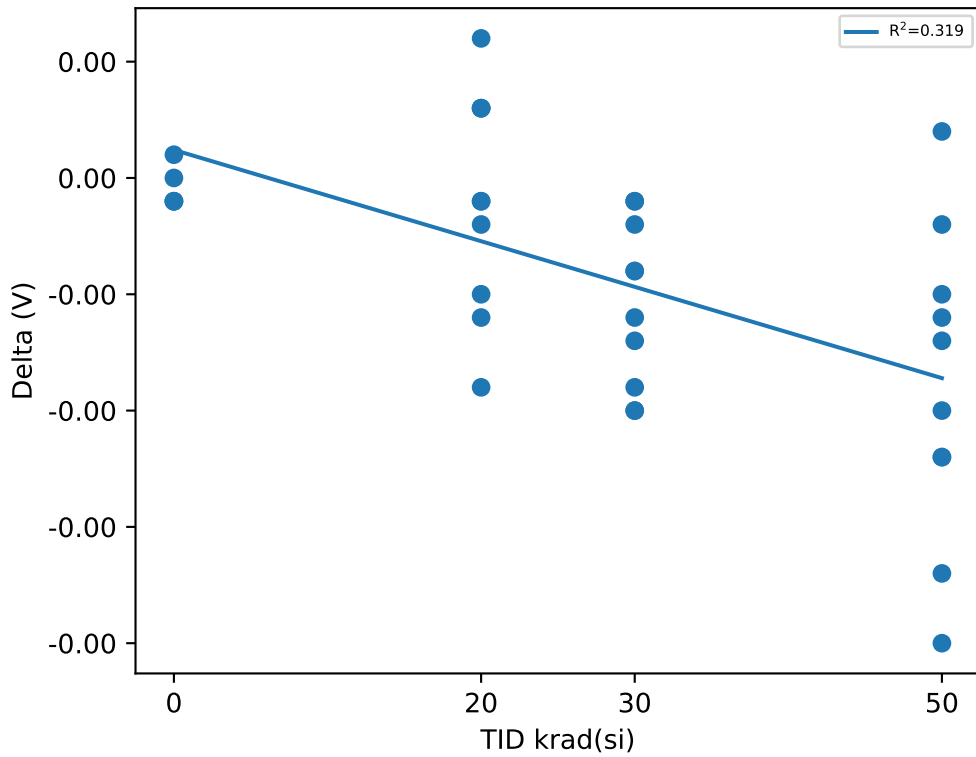
TID vs Result Stats



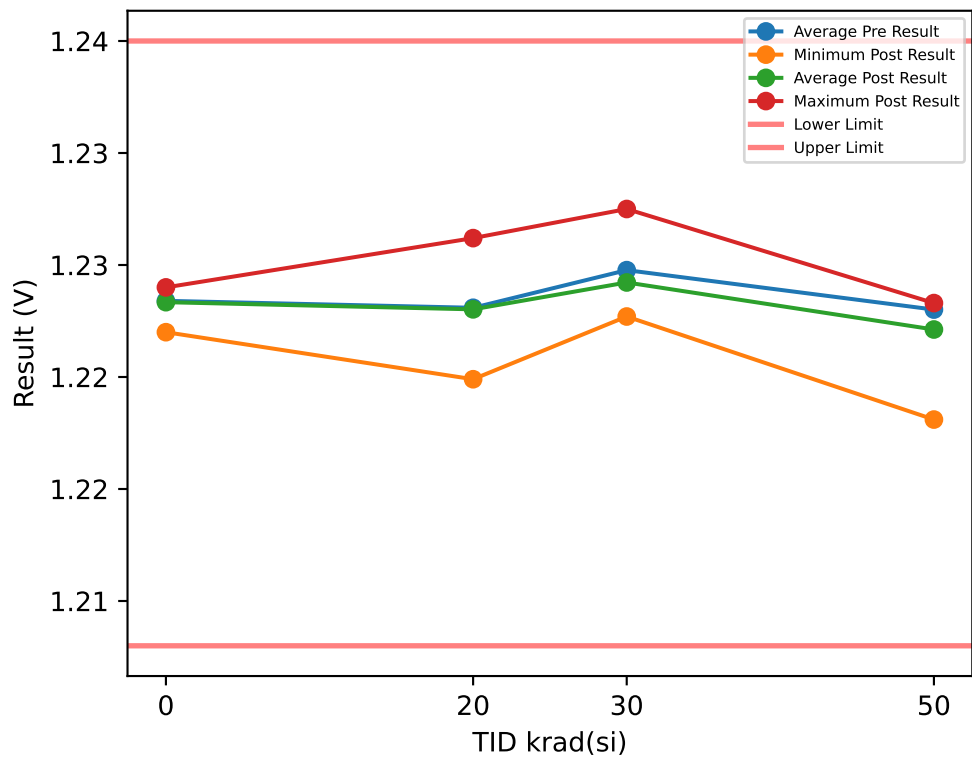
Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2198	-0.0006
371	20	Unbiased	1.2232	1.2231	-0.0001
383	20	Unbiased	1.2208	1.2211	0.0003
390	50	Unbiased	1.224	1.2233	-0.0007
444	30	Unbiased	1.2275	1.2274	-0.0001
509	30	Unbiased	1.2254	1.2252	-0.0002
558	0	Correlation	1.2233	1.2233	0
724	20	Biased	1.2251	1.2246	-0.0005
744	50	Biased	1.2216	1.2211	-0.0005
799	50	Biased	1.2225	1.2223	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2243	1.2231	-0.0012
964	20	Unbiased	1.222	1.2223	0.0003
1056	0	Correlation	1.224	1.2239	-0.0001
1095	50	Unbiased	1.2234	1.2224	-0.001
1099	0	Correlation	1.2238	1.2239	0.0001
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2223	1.2222	-0.0001
1331	30	Unbiased	1.2242	1.2232	-0.001
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2237	1.2227	-0.001
1375	30	Unbiased	1.2235	1.2229	-0.0006
1398	30	Biased	1.2241	1.2234	-0.0007
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2246	1.2229	-0.0017
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2236	0.0003
1504	50	Biased	1.2192	1.218	-0.0012
1662	30	Biased	1.2249	1.2248	-0.0001
1703	30	Biased	1.2256	1.2252	-0.0004
1736	30	Biased	1.2246	1.2242	-0.0004
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2221	1.222	-0.0001
1794	20	Biased	1.2231	1.2229	-0.0002

TID vs Post - Pre Exposure Delta



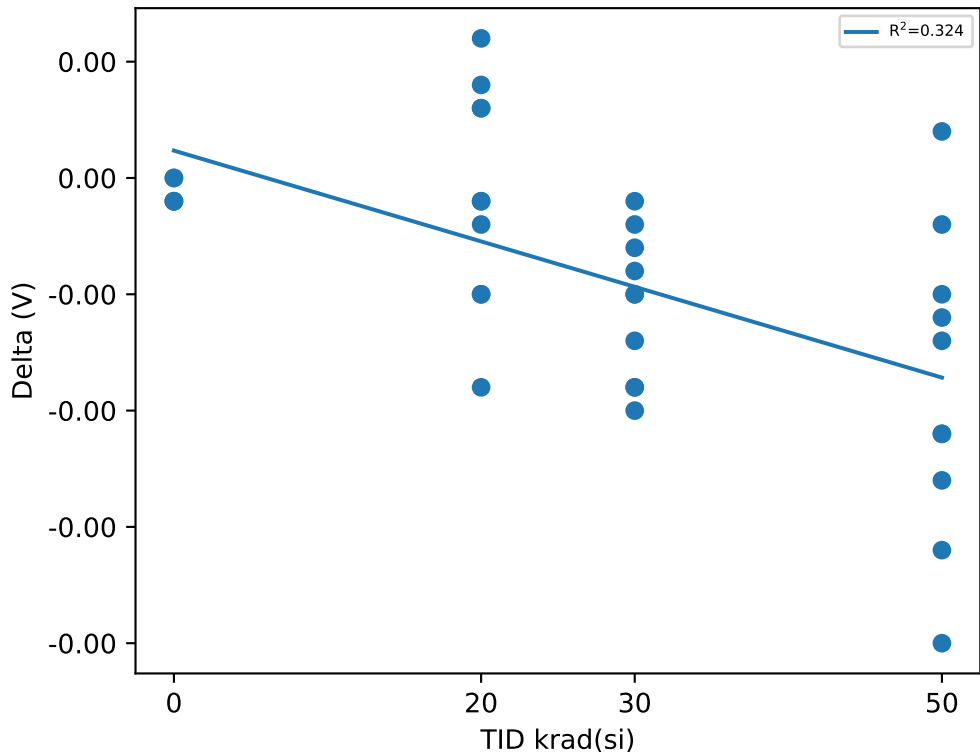
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2199	-0.0005
371	20	Unbiased	1.2233	1.2231	-0.0002
383	20	Unbiased	1.2208	1.2212	0.0004
390	50	Unbiased	1.224	1.2233	-0.0007
444	30	Unbiased	1.2276	1.2275	-0.0001
509	30	Unbiased	1.2255	1.2253	-0.0002
558	0	Correlation	1.2234	1.2233	-0.0001
724	20	Biased	1.2251	1.2246	-0.0005
744	50	Biased	1.2216	1.2211	-0.0005
799	50	Biased	1.2225	1.2223	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2244	1.2231	-0.0013
964	20	Unbiased	1.222	1.2223	0.0003
1056	0	Correlation	1.224	1.224	0
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.2239	0
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2223	1.2222	-0.0001
1331	30	Unbiased	1.2242	1.2233	-0.0009
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2237	1.2227	-0.001
1375	30	Unbiased	1.2235	1.223	-0.0005
1398	30	Biased	1.2241	1.2234	-0.0007
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2246	1.223	-0.0016
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2236	0.0003
1504	50	Biased	1.2192	1.2181	-0.0011
1662	30	Biased	1.225	1.2247	-0.0003
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2242	-0.0005
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2221	1.222	-0.0001
1794	20	Biased	1.2231	1.223	-0.0001

TID vs Post - Pre Exposure Delta

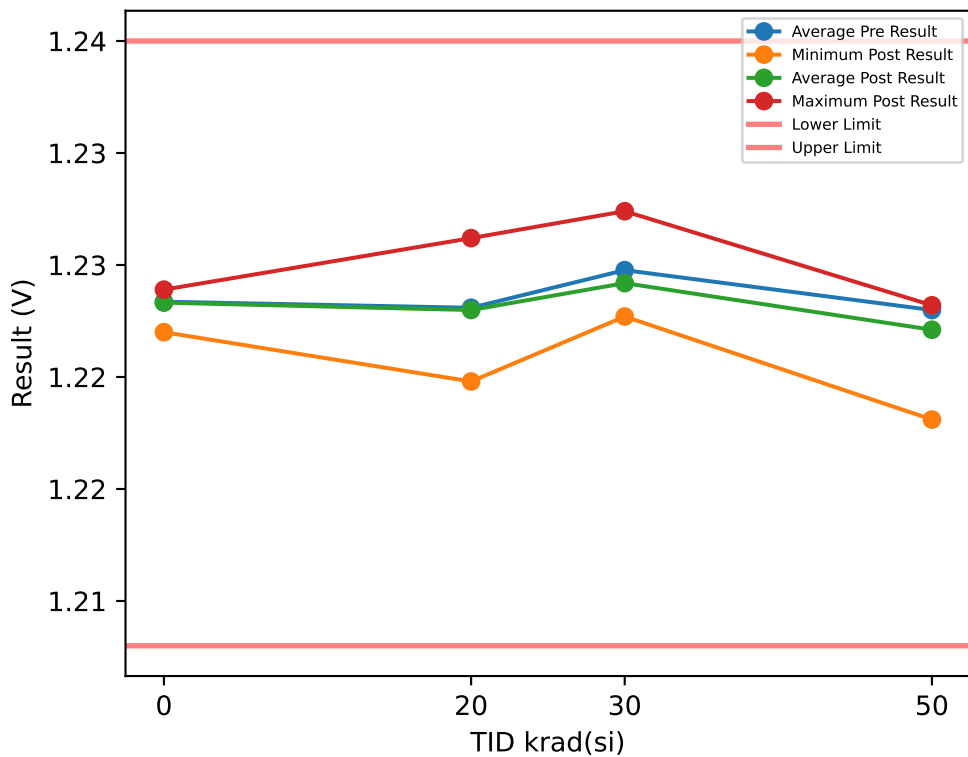


Test Statistics (V)

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	1.2221	1.2234	1.224	0.00076485	1.222	1.2233	1.224	0.00080187	-0.0001	-6e-05	0	5.4772e-05
20	1.2204	1.2231	1.2256	0.0017754	1.2199	1.223	1.2262	0.001775	-0.0009	-7e-05	0.0006	0.00047387
30	1.2235	1.2248	1.2276	0.0012535	1.2227	1.2242	1.2275	0.001515	-0.001	-0.00055	-0.0001	0.00031358
50	1.2192	1.223	1.2246	0.0016696	1.2181	1.2221	1.2233	0.0015483	-0.002	-0.00089	0.0002	0.00066072

Device Test: 21.25 VOLTAGE|VREF/VREF/8/8/0/0/5/500kHz//@V_REFCAP

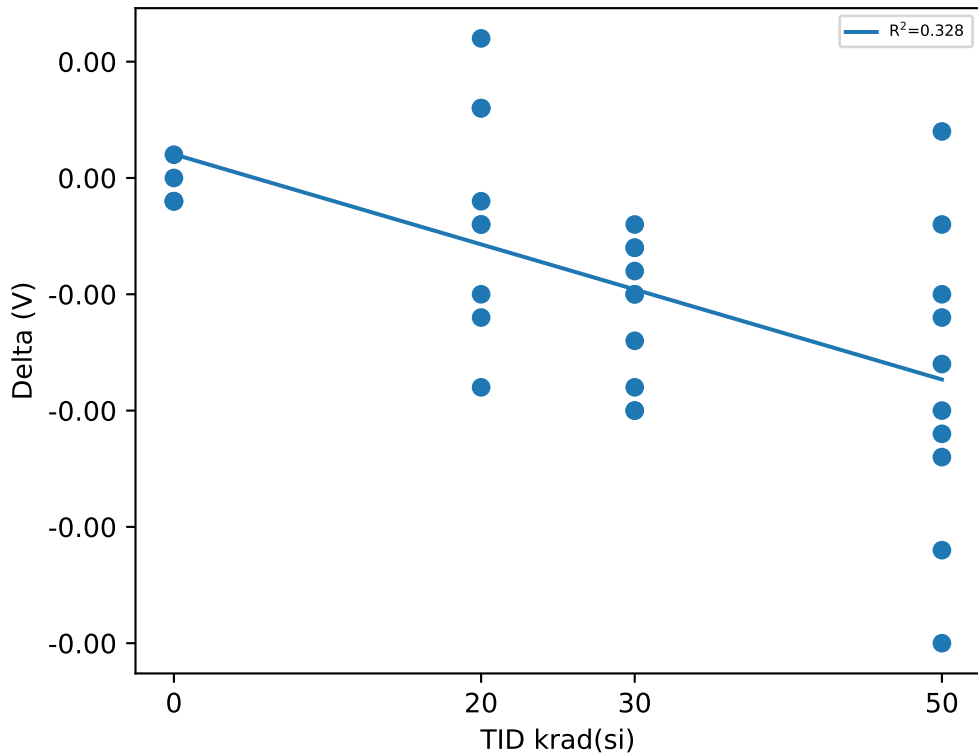
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2198	-0.0006
371	20	Unbiased	1.2233	1.2231	-0.0002
383	20	Unbiased	1.2208	1.2211	0.0003
390	50	Unbiased	1.224	1.2232	-0.0008
444	30	Unbiased	1.2276	1.2274	-0.0002
509	30	Unbiased	1.2255	1.2252	-0.0003
558	0	Correlation	1.2233	1.2233	0
724	20	Biased	1.2251	1.2246	-0.0005
744	50	Biased	1.2216	1.2211	-0.0005
799	50	Biased	1.2225	1.2223	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2243	1.2231	-0.0012
964	20	Unbiased	1.222	1.2223	0.0003
1056	0	Correlation	1.224	1.2239	-0.0001
1095	50	Unbiased	1.2234	1.2224	-0.001
1099	0	Correlation	1.2238	1.2239	0.0001
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2223	1.2222	-0.0001
1331	30	Unbiased	1.2242	1.2232	-0.001
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2237	1.2227	-0.001
1375	30	Unbiased	1.2235	1.223	-0.0005
1398	30	Biased	1.2241	1.2234	-0.0007
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2246	1.223	-0.0016
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2236	0.0003
1504	50	Biased	1.2192	1.2181	-0.0011
1662	30	Biased	1.225	1.2247	-0.0003
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2242	-0.0005
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2221	1.222	-0.0001
1794	20	Biased	1.2231	1.2229	-0.0002

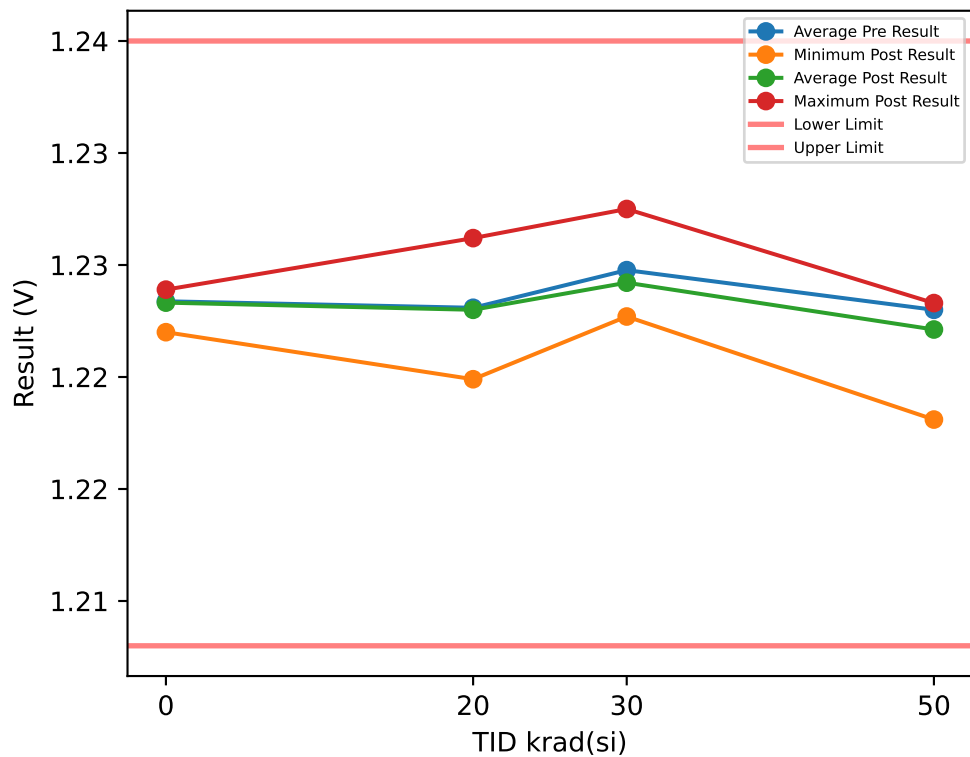
TID vs Post - Pre Exposure Delta



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	1.2221	1.2234	1.224	0.00075033	1.222	1.2233	1.2239	0.0007823	-0.0001	-4e-05	0.0001	8.9443e-05
20	1.2204	1.2231	1.2256	0.0017754	1.2198	1.223	1.2262	0.0018064	-0.0009	-0.0001	0.0006	0.0004761
30	1.2235	1.2248	1.2276	0.0012535	1.2227	1.2242	1.2274	0.0014903	-0.001	-0.00058	-0.0002	0.00030111
50	1.2192	1.223	1.2246	0.0016576	1.2181	1.2221	1.2232	0.0015402	-0.002	-0.00088	0.0002	0.00064944

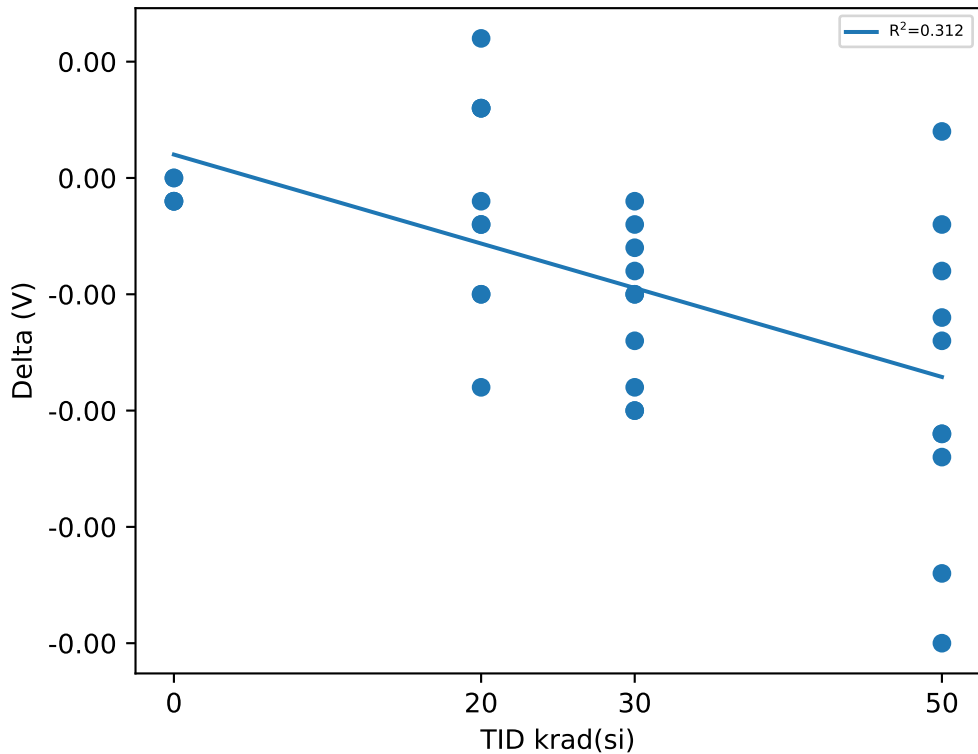
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2199	-0.0005
371	20	Unbiased	1.2233	1.2231	-0.0002
383	20	Unbiased	1.2208	1.2211	0.0003
390	50	Unbiased	1.224	1.2233	-0.0007
444	30	Unbiased	1.2276	1.2275	-0.0001
509	30	Unbiased	1.2255	1.2252	-0.0003
558	0	Correlation	1.2233	1.2233	0
724	20	Biased	1.2251	1.2246	-0.0005
744	50	Biased	1.2216	1.2212	-0.0004
799	50	Biased	1.2225	1.2223	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2243	1.2231	-0.0012
964	20	Unbiased	1.222	1.2223	0.0003
1056	0	Correlation	1.224	1.2239	-0.0001
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.2239	0
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2223	1.2222	-0.0001
1331	30	Unbiased	1.2242	1.2232	-0.001
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2237	1.2227	-0.001
1375	30	Unbiased	1.2235	1.223	-0.0005
1398	30	Biased	1.2241	1.2234	-0.0007
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2246	1.2229	-0.0017
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2236	0.0003
1504	50	Biased	1.2192	1.2181	-0.0011
1662	30	Biased	1.225	1.2248	-0.0002
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2242	-0.0005
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2221	1.222	-0.0001
1794	20	Biased	1.2231	1.2229	-0.0002

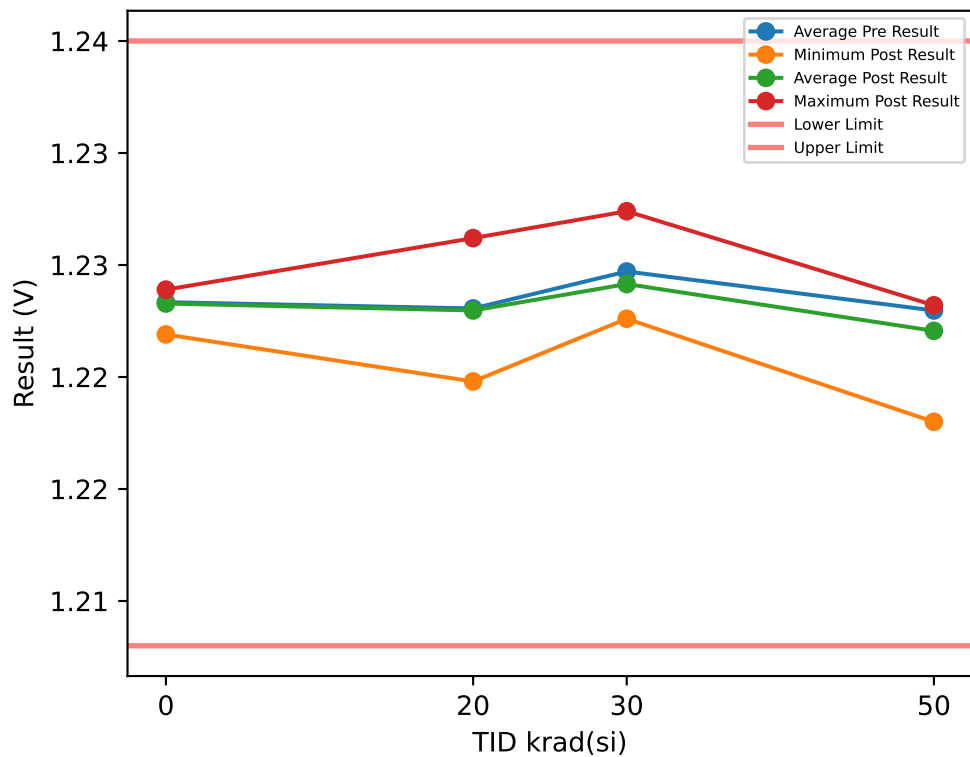
TID vs Post - Pre Exposure Delta



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	1.2221	1.2234	1.224	0.00076616	1.222	1.2233	1.2239	0.0007823	-0.0001	-6e-05	0	5.4772e-05
20	1.2204	1.2231	1.2256	0.0017754	1.2199	1.223	1.2262	0.001787	-0.0009	-9e-05	0.0006	0.00046536
30	1.2235	1.2248	1.2276	0.0012535	1.2227	1.2242	1.2275	0.0015184	-0.001	-0.00056	-0.0001	0.00032728
50	1.2192	1.223	1.2246	0.0016607	1.2181	1.2221	1.2233	0.0015354	-0.002	-0.00088	0.0002	0.00067462

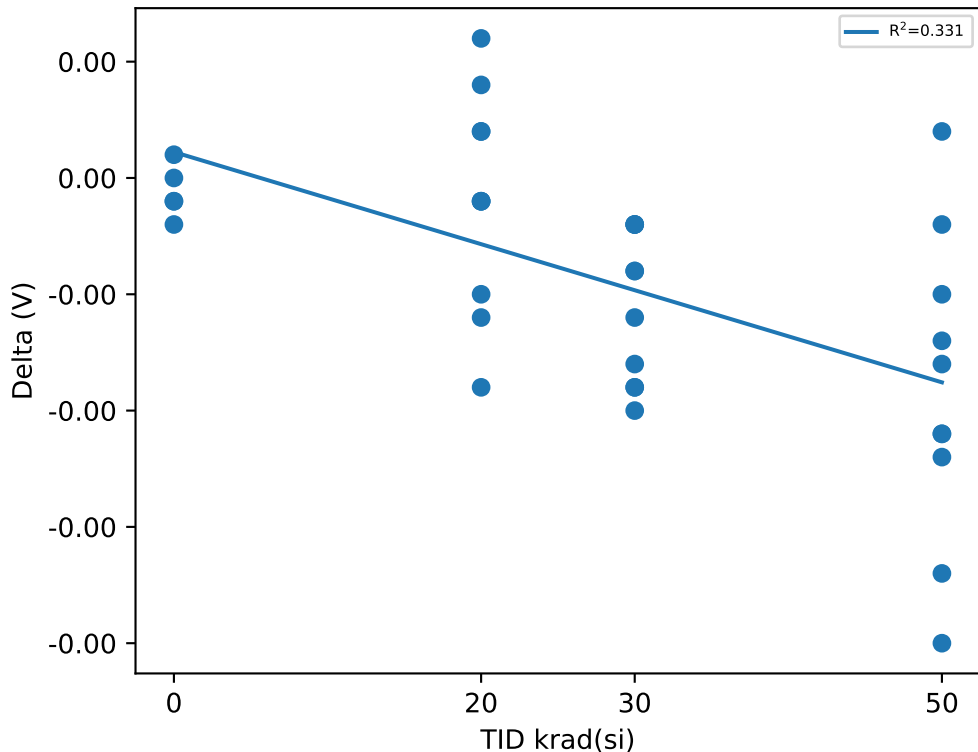
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2198	-0.0006
371	20	Unbiased	1.2232	1.2231	-0.0001
383	20	Unbiased	1.2207	1.2211	0.0004
390	50	Unbiased	1.224	1.2232	-0.0008
444	30	Unbiased	1.2276	1.2274	-0.0002
509	30	Unbiased	1.2254	1.2252	-0.0002
558	0	Correlation	1.2233	1.2232	-0.0001
724	20	Biased	1.2251	1.2246	-0.0005
744	50	Biased	1.2216	1.2211	-0.0005
799	50	Biased	1.2225	1.2223	-0.0002
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2243	1.2231	-0.0012
964	20	Unbiased	1.222	1.2222	0.0002
1056	0	Correlation	1.224	1.2239	-0.0001
1095	50	Unbiased	1.2234	1.2223	-0.0011
1099	0	Correlation	1.2238	1.2239	0.0001
1215	50	Unbiased	1.2222	1.2224	0.0002
1229	50	Unbiased	1.2237	1.223	-0.0007
1297	20	Biased	1.2223	1.2222	-0.0001
1331	30	Unbiased	1.2241	1.2232	-0.0009
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2236	1.2226	-0.001
1375	30	Unbiased	1.2235	1.2229	-0.0006
1398	30	Biased	1.2241	1.2233	-0.0008
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2246	1.2229	-0.0017
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2235	0.0002
1504	50	Biased	1.2191	1.218	-0.0011
1662	30	Biased	1.2249	1.2247	-0.0002
1703	30	Biased	1.2256	1.2252	-0.0004
1736	30	Biased	1.2246	1.2242	-0.0004
1737	0	Correlation	1.2235	1.2235	0
1748	0	Correlation	1.2221	1.2219	-0.0002
1794	20	Biased	1.223	1.2229	-0.0001

TID vs Post - Pre Exposure Delta

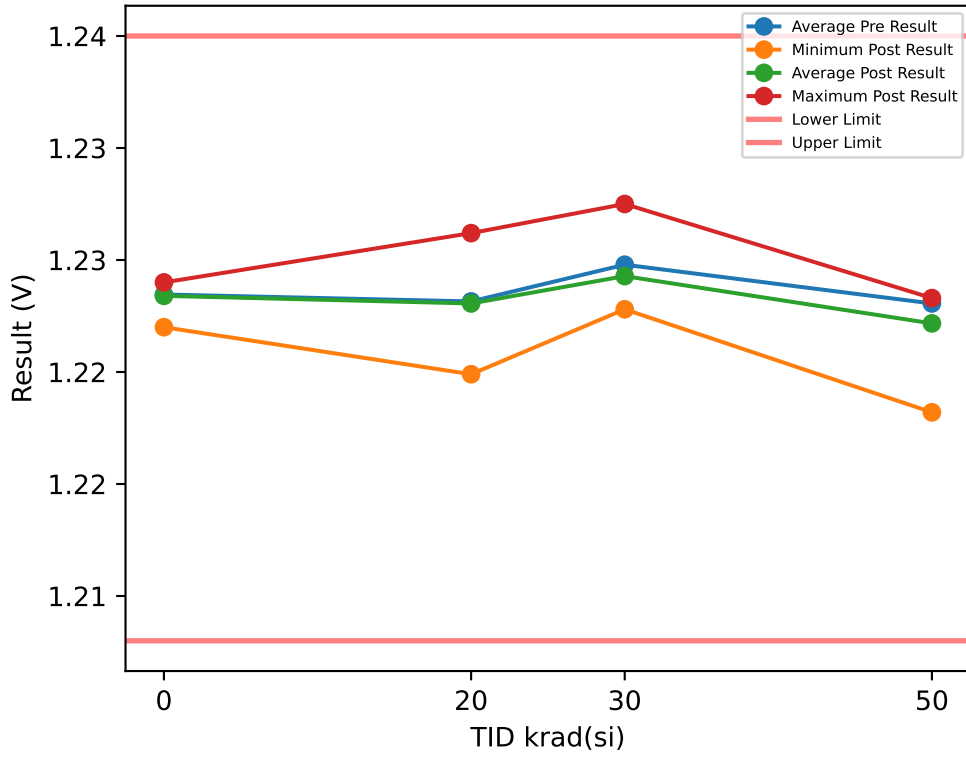


Test Statistics (V)

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	1.2221	1.2233	1.224	0.00074364	1.2219	1.2233	1.2239	0.00082583	-0.0002	-6e-05	0.0001	0.00011402
20	1.2204	1.2231	1.2256	0.001789	1.2198	1.223	1.2262	0.0018074	-0.0009	-9e-05	0.0006	0.00046774
30	1.2235	1.2247	1.2276	0.001253	1.2226	1.2242	1.2274	0.0015087	-0.001	-0.00056	-0.0002	0.00032042
50	1.2191	1.223	1.2246	0.0016879	1.218	1.2221	1.2232	0.0015515	-0.002	-0.00091	0.0002	0.00066072

Device Test: 21.5 VOLTAGE|VREF/VREF/12/12/0/0/5/100kHz//@V_REFCAP

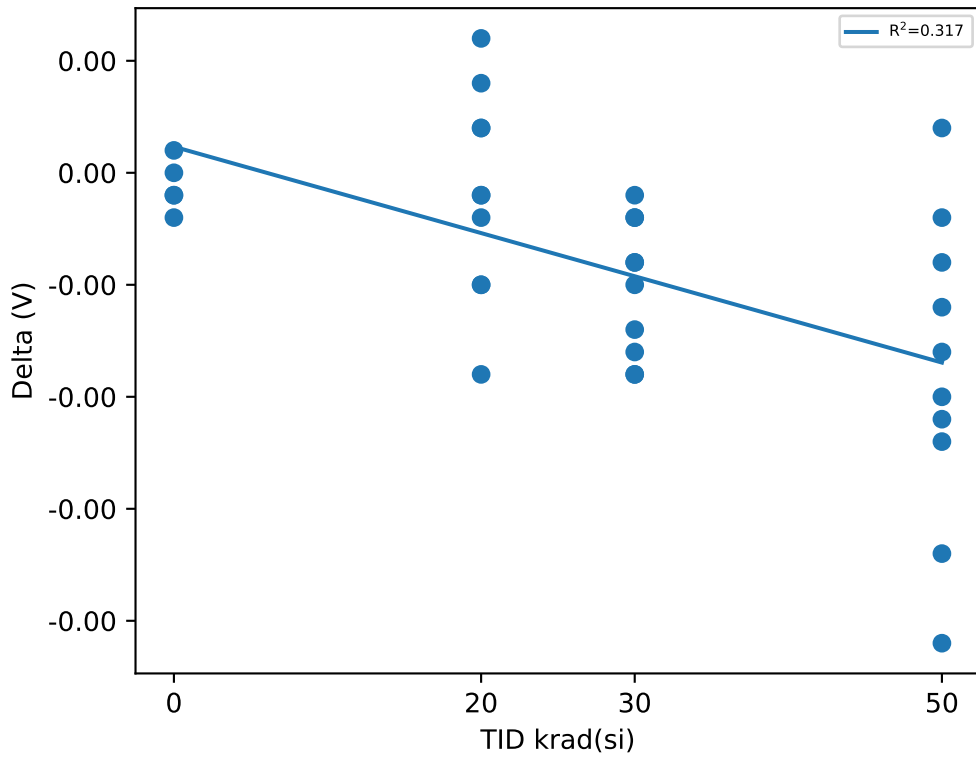
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

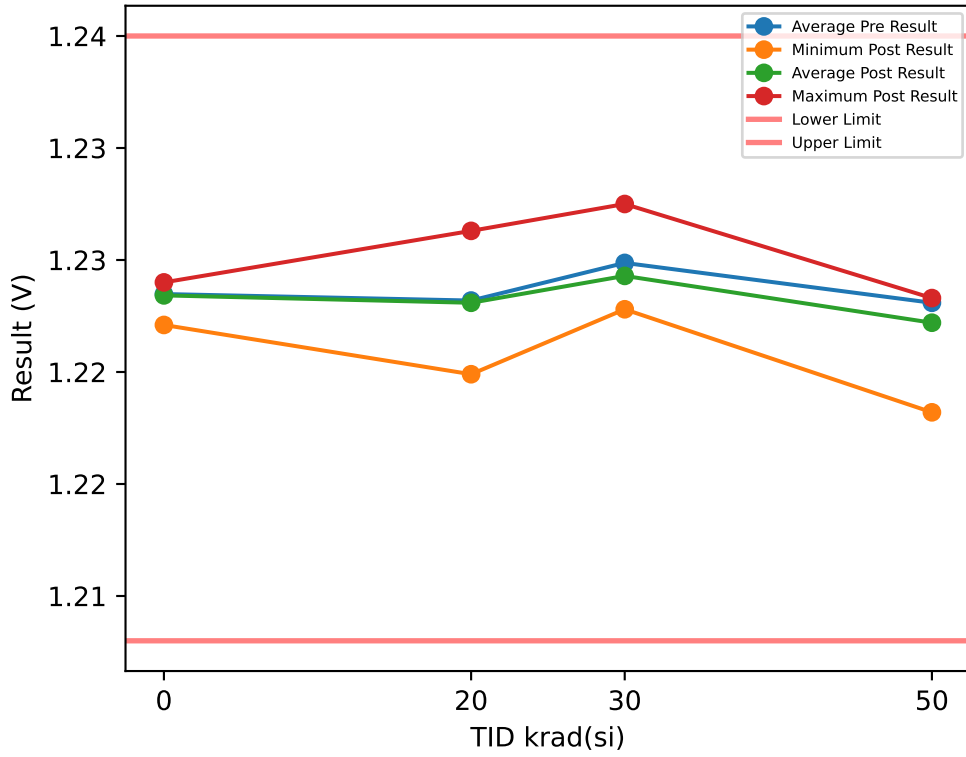
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2199	-0.0005
371	20	Unbiased	1.2233	1.2232	-0.0001
383	20	Unbiased	1.2208	1.2212	0.0004
390	50	Unbiased	1.2241	1.2233	-0.0008
444	30	Unbiased	1.2276	1.2275	-0.0001
509	30	Unbiased	1.2255	1.2253	-0.0002
558	0	Correlation	1.2234	1.2234	0
724	20	Biased	1.2252	1.2247	-0.0005
744	50	Biased	1.2216	1.2212	-0.0004
799	50	Biased	1.2226	1.2224	-0.0002
842	30	Unbiased	1.2237	1.2229	-0.0008
930	50	Unbiased	1.2244	1.2232	-0.0012
964	20	Unbiased	1.2221	1.2223	0.0002
1056	0	Correlation	1.2241	1.224	-0.0001
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.224	0.0001
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2238	1.2232	-0.0006
1297	20	Biased	1.2224	1.2223	-0.0001
1331	30	Unbiased	1.2242	1.2233	-0.0009
1337	20	Biased	1.2251	1.2242	-0.0009
1359	30	Biased	1.2237	1.2228	-0.0009
1375	30	Unbiased	1.2236	1.2231	-0.0005
1398	30	Biased	1.2242	1.2235	-0.0007
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2247	1.223	-0.0017
1474	50	Biased	1.2244	1.2223	-0.0021
1500	20	Unbiased	1.2234	1.2236	0.0002
1504	50	Biased	1.2192	1.2182	-0.001
1662	30	Biased	1.225	1.2248	-0.0002
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2243	-0.0004
1737	0	Correlation	1.2237	1.2236	-0.0001
1748	0	Correlation	1.2222	1.222	-0.0002
1794	20	Biased	1.2232	1.223	-0.0002

TID vs Post - Pre Exposure Delta



Device Test: 21.7 VOLTAGE|VREF/VREF/14/14/0/0/5/100kHz//@V_REFCAP

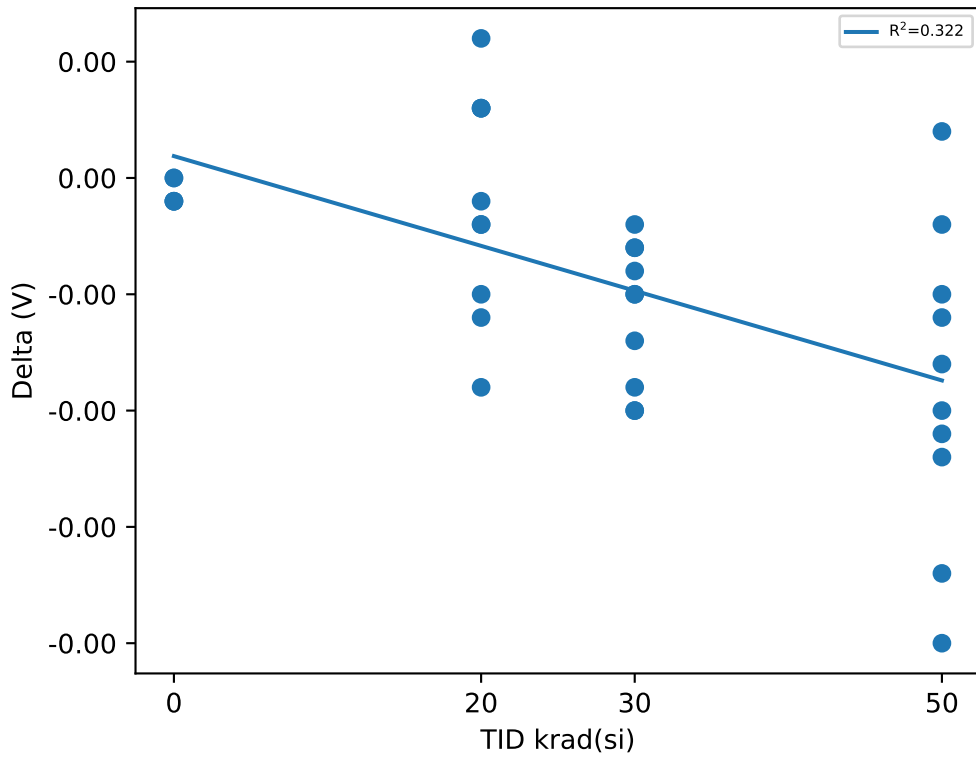
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2205	1.2199	-0.0006
371	20	Unbiased	1.2234	1.2232	-0.0002
383	20	Unbiased	1.2209	1.2212	0.0003
390	50	Unbiased	1.2241	1.2233	-0.0008
444	30	Unbiased	1.2277	1.2275	-0.0002
509	30	Unbiased	1.2256	1.2253	-0.0003
558	0	Correlation	1.2234	1.2234	0
724	20	Biased	1.2252	1.2247	-0.0005
744	50	Biased	1.2217	1.2212	-0.0005
799	50	Biased	1.2226	1.2224	-0.0002
842	30	Unbiased	1.2238	1.2229	-0.0009
930	50	Unbiased	1.2244	1.2232	-0.0012
964	20	Unbiased	1.2221	1.2224	0.0003
1056	0	Correlation	1.2241	1.224	-0.0001
1095	50	Unbiased	1.2235	1.2225	-0.001
1099	0	Correlation	1.224	1.224	0
1215	50	Unbiased	1.2224	1.2226	0.0002
1229	50	Unbiased	1.2238	1.2232	-0.0006
1297	20	Biased	1.2224	1.2223	-0.0001
1331	30	Unbiased	1.2243	1.2233	-0.001
1337	20	Biased	1.2251	1.2242	-0.0009
1359	30	Biased	1.2238	1.2228	-0.001
1375	30	Unbiased	1.2236	1.2231	-0.0005
1398	30	Biased	1.2242	1.2235	-0.0007
1401	20	Biased	1.2257	1.2263	0.0006
1411	50	Biased	1.2247	1.223	-0.0017
1474	50	Biased	1.2244	1.2224	-0.002
1500	20	Unbiased	1.2234	1.2237	0.0003
1504	50	Biased	1.2193	1.2182	-0.0011
1662	30	Biased	1.2251	1.2248	-0.0003
1703	30	Biased	1.2258	1.2254	-0.0004
1736	30	Biased	1.2248	1.2243	-0.0005
1737	0	Correlation	1.2237	1.2236	-0.0001
1748	0	Correlation	1.2222	1.2221	-0.0001
1794	20	Biased	1.2232	1.223	-0.0002

TID vs Post - Pre Exposure Delta

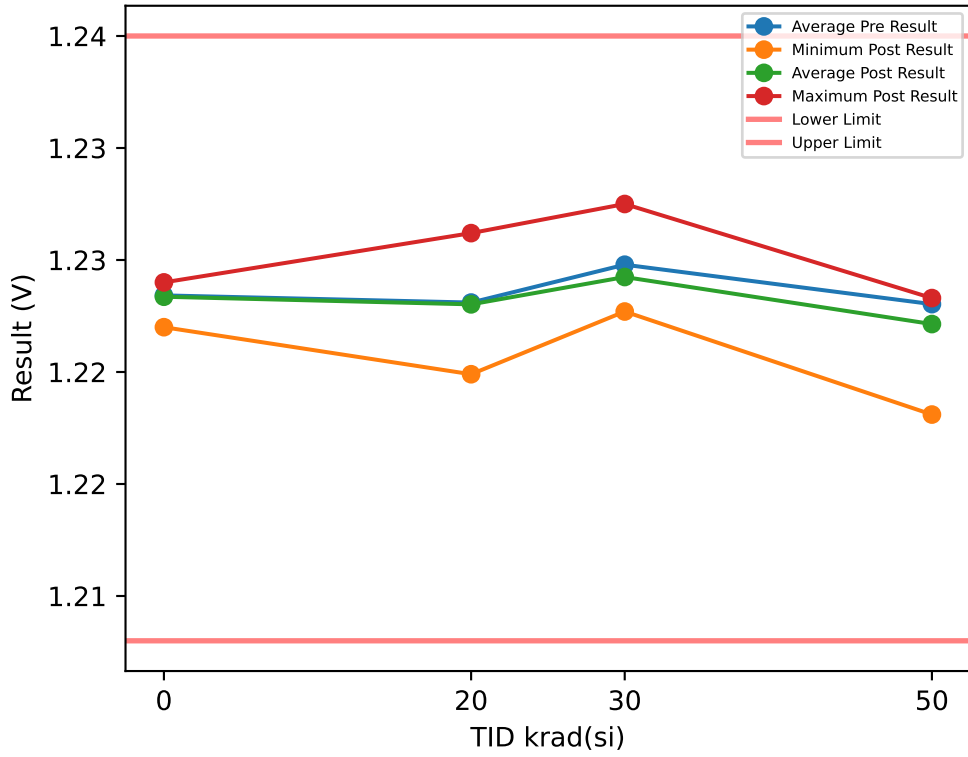


Test Statistics (V)

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	1.2222	1.2235	1.2241	0.00076616	1.2221	1.2234	1.224	0.0007823	-0.0001	-6e-05	0	5.4772e-05
20	1.2205	1.2232	1.2257	0.0017754	1.2199	1.2231	1.2263	0.0018064	-0.0009	-0.0001	0.0006	0.0004761
30	1.2236	1.2249	1.2277	0.0012535	1.2228	1.2243	1.2275	0.0014903	-0.001	-0.00058	-0.0002	0.00030111
50	1.2193	1.2231	1.2247	0.0016576	1.2182	1.2222	1.2233	0.0015341	-0.002	-0.00089	0.0002	0.0006624

Device Test: 21.9 VOLTAGE|VREF/VREF/12/12/0/0/5/500kHz//@V_REFCAP

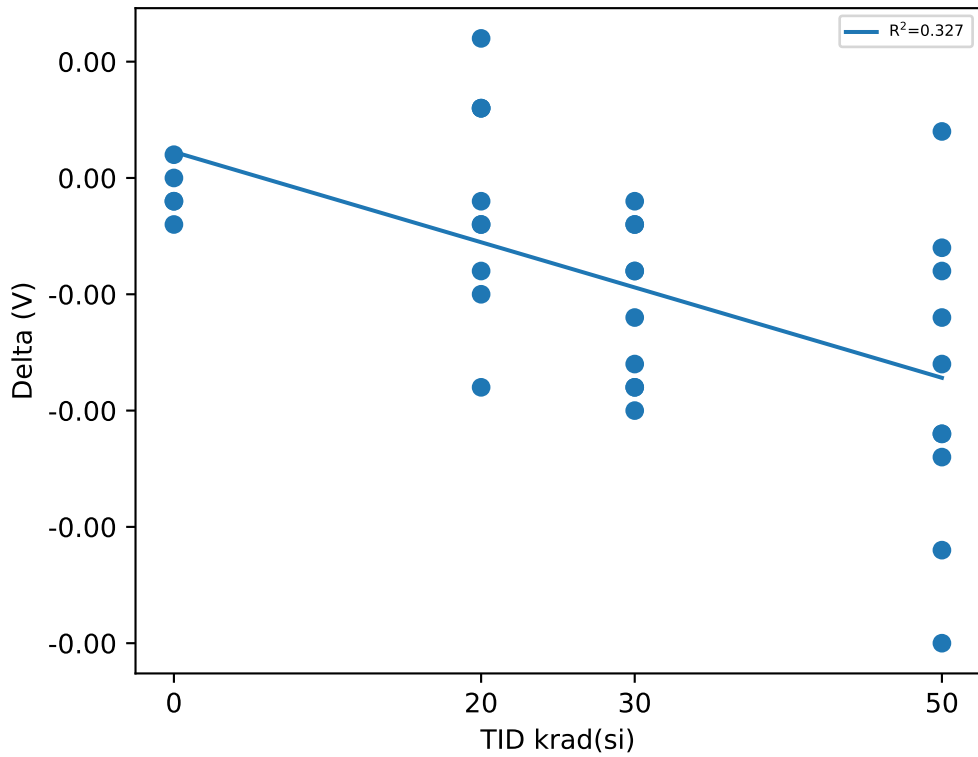
TID vs Result Stats



Test Results (Lower Limit = 1.208, Upper Limit = 1.235 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.2204	1.2199	-0.0005
371	20	Unbiased	1.2233	1.2231	-0.0002
383	20	Unbiased	1.2208	1.2211	0.0003
390	50	Unbiased	1.2241	1.2233	-0.0008
444	30	Unbiased	1.2276	1.2275	-0.0001
509	30	Unbiased	1.2255	1.2253	-0.0002
558	0	Correlation	1.2234	1.2233	-0.0001
724	20	Biased	1.2251	1.2247	-0.0004
744	50	Biased	1.2216	1.2212	-0.0004
799	50	Biased	1.2226	1.2223	-0.0003
842	30	Unbiased	1.2237	1.2228	-0.0009
930	50	Unbiased	1.2244	1.2232	-0.0012
964	20	Unbiased	1.222	1.2223	0.0003
1056	0	Correlation	1.224	1.224	0
1095	50	Unbiased	1.2235	1.2224	-0.0011
1099	0	Correlation	1.2239	1.224	0.0001
1215	50	Unbiased	1.2223	1.2225	0.0002
1229	50	Unbiased	1.2237	1.2231	-0.0006
1297	20	Biased	1.2224	1.2222	-0.0002
1331	30	Unbiased	1.2242	1.2233	-0.0009
1337	20	Biased	1.225	1.2241	-0.0009
1359	30	Biased	1.2237	1.2227	-0.001
1375	30	Unbiased	1.2236	1.223	-0.0006
1398	30	Biased	1.2242	1.2234	-0.0008
1401	20	Biased	1.2256	1.2262	0.0006
1411	50	Biased	1.2246	1.223	-0.0016
1474	50	Biased	1.2243	1.2223	-0.002
1500	20	Unbiased	1.2233	1.2236	0.0003
1504	50	Biased	1.2192	1.2181	-0.0011
1662	30	Biased	1.225	1.2248	-0.0002
1703	30	Biased	1.2257	1.2253	-0.0004
1736	30	Biased	1.2247	1.2243	-0.0004
1737	0	Correlation	1.2236	1.2235	-0.0001
1748	0	Correlation	1.2222	1.222	-0.0002
1794	20	Biased	1.2231	1.223	-0.0001

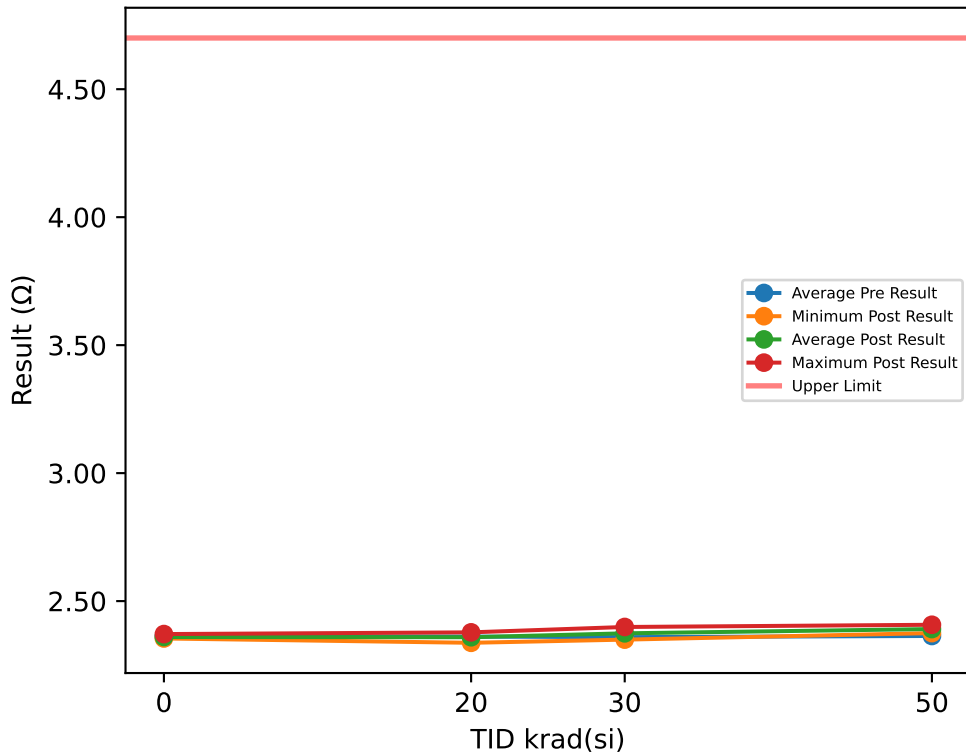
TID vs Post - Pre Exposure Delta



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	1.2222	1.2234	1.224	0.0007225	1.222	1.2234	1.224	0.00082037	-0.0002	-6e-05	0.0001	0.00011402
20	1.2204	1.2231	1.2256	0.0017707	1.2199	1.223	1.2262	0.0017968	-0.0009	-8e-05	0.0006	0.00045656
30	1.2236	1.2248	1.2276	0.0012369	1.2227	1.2242	1.2275	0.0015189	-0.001	-0.00055	-0.0001	0.00033417
50	1.2192	1.223	1.2246	0.0016734	1.2181	1.2221	1.2233	0.0015486	-0.002	-0.00089	0.0002	0.00064885

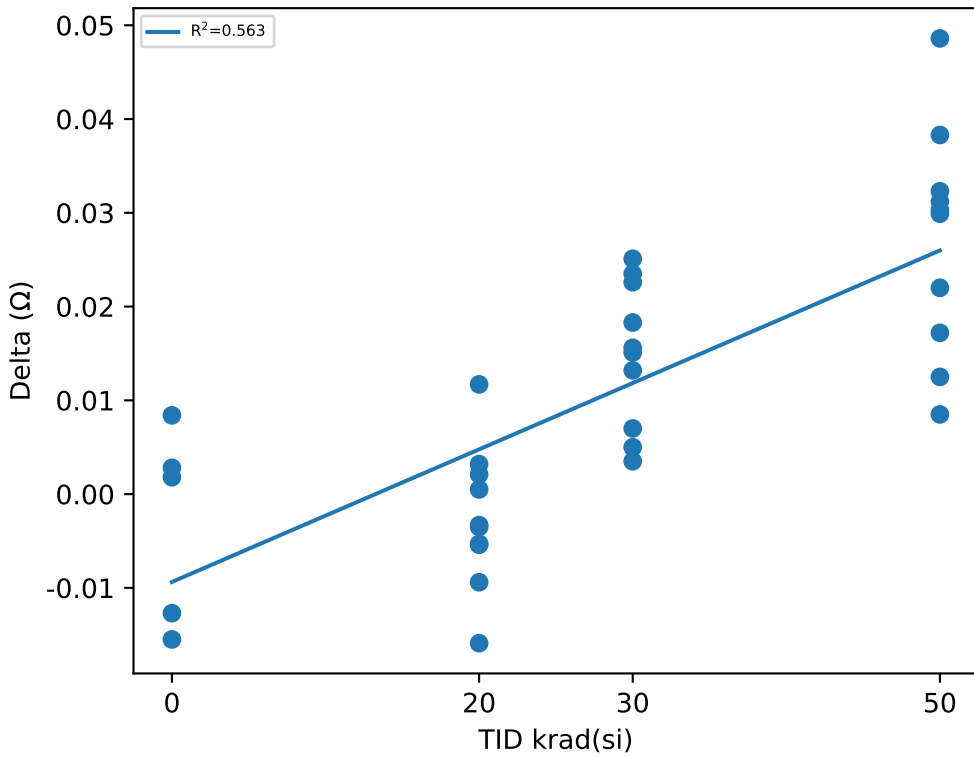
TID vs Result Stats



Test Results (Upper Limit = 4.7 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.353	2.3371	-0.0159
371	20	Unbiased	2.3559	2.3526	-0.0033
383	20	Unbiased	2.3619	2.364	0.0021
390	50	Unbiased	2.3646	2.4029	0.0383
444	30	Unbiased	2.3425	2.3495	0.007
509	30	Unbiased	2.3497	2.3648	0.0151
558	0	Correlation	2.3497	2.3581	0.0084
724	20	Biased	2.3786	2.3733	-0.0053
744	50	Biased	2.3568	2.4054	0.0486
799	50	Biased	2.3836	2.4008	0.0172
842	30	Unbiased	2.3754	2.3989	0.0235
930	50	Unbiased	2.3461	2.376	0.0299
964	20	Unbiased	2.3662	2.3779	0.0117
1056	0	Correlation	2.3684	2.3712	0.0028
1095	50	Unbiased	2.3631	2.3943	0.0312
1099	0	Correlation	2.3683	2.3556	-0.0127
1215	50	Unbiased	2.3531	2.3751	0.022
1229	50	Unbiased	2.3665	2.375	0.0085
1297	20	Biased	2.377	2.3735	-0.0035
1331	30	Unbiased	2.3577	2.3733	0.0156
1337	20	Biased	2.3608	2.3613	0.0005
1359	30	Biased	2.3503	2.3729	0.0226
1375	30	Unbiased	2.3681	2.3716	0.0035
1398	30	Biased	2.3442	2.3693	0.0251
1401	20	Biased	2.3485	2.3431	-0.0054
1411	50	Biased	2.361	2.3913	0.0303
1474	50	Biased	2.3752	2.4075	0.0323
1500	20	Unbiased	2.353	2.3436	-0.0094
1504	50	Biased	2.3673	2.3798	0.0125
1662	30	Biased	2.3694	2.3877	0.0183
1703	30	Biased	2.3639	2.3689	0.005
1736	30	Biased	2.371	2.3842	0.0132
1737	0	Correlation	2.3756	2.3601	-0.0155
1748	0	Correlation	2.3522	2.354	0.0018
1794	20	Biased	2.3589	2.3621	0.0032

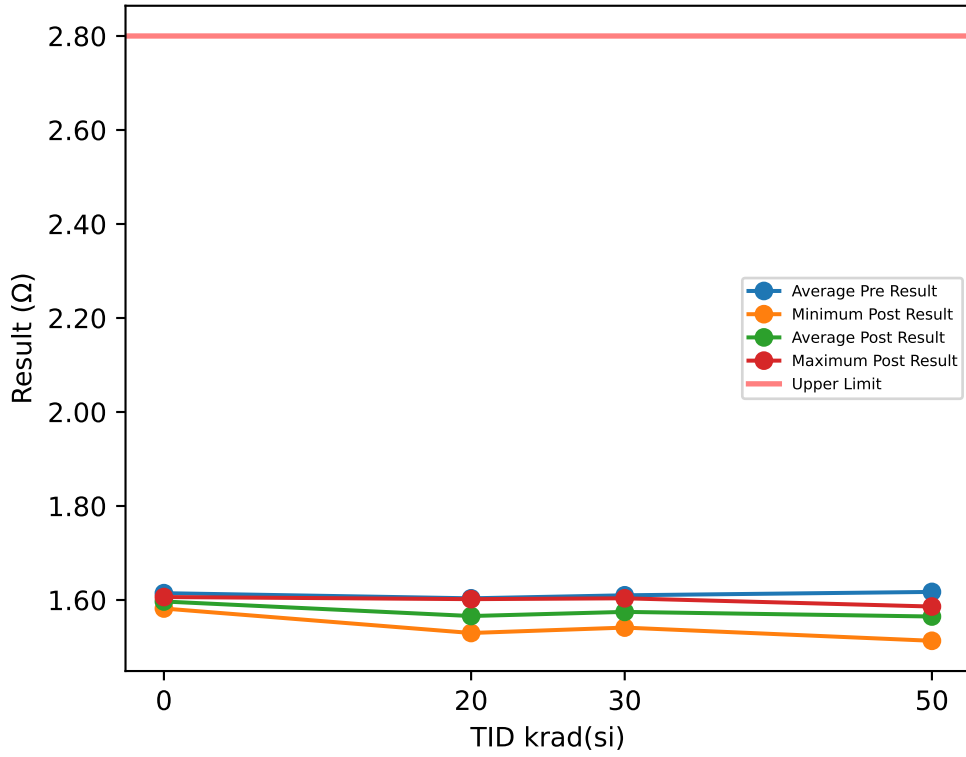
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.3497	2.3628	2.3756	0.011285	2.354	2.3598	2.3712	0.0067864	-0.0155	-0.00304	0.0084	0.010452
20	2.3485	2.3614	2.3786	0.010038	2.3371	2.3588	2.3779	0.014229	-0.0159	-0.00253	0.0117	0.0075229
30	2.3425	2.3592	2.3754	0.011938	2.3495	2.3741	2.3989	0.013549	0.0035	0.01489	0.0251	0.0077649
50	2.3461	2.3637	2.3836	0.010684	2.375	2.3908	2.4075	0.01328	0.0085	0.02708	0.0486	0.012169

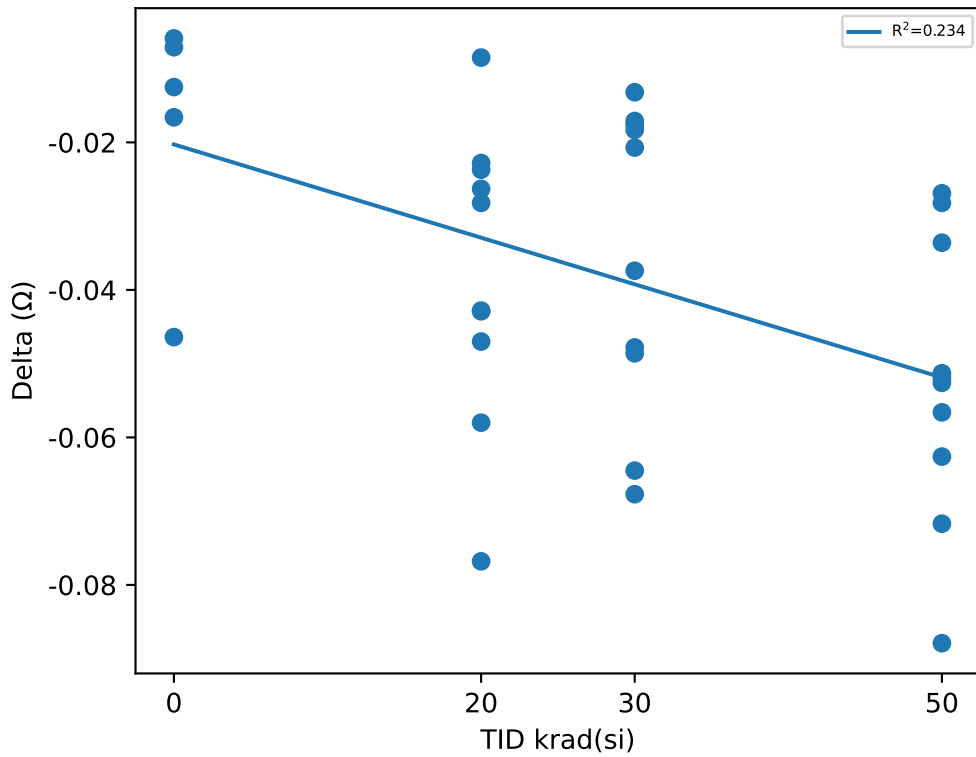
TID vs Result Stats



Test Results (Upper Limit = 2.8 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.5912	1.5827	-0.0085
371	20	Unbiased	1.5918	1.569	-0.0228
383	20	Unbiased	1.6032	1.5769	-0.0263
390	50	Unbiased	1.6162	1.5636	-0.0526
444	30	Unbiased	1.5999	1.5867	-0.0132
509	30	Unbiased	1.6207	1.6036	-0.0171
558	0	Correlation	1.6188	1.6063	-0.0125
724	20	Biased	1.5984	1.5404	-0.058
744	50	Biased	1.6392	1.5766	-0.0626
799	50	Biased	1.6172	1.5659	-0.0513
842	30	Unbiased	1.6161	1.5985	-0.0176
930	50	Unbiased	1.6137	1.5801	-0.0336
964	20	Unbiased	1.6039	1.5757	-0.0282
1056	0	Correlation	1.6008	1.5949	-0.0059
1095	50	Unbiased	1.613	1.5861	-0.0269
1099	0	Correlation	1.5985	1.5819	-0.0166
1215	50	Unbiased	1.6025	1.5459	-0.0566
1229	50	Unbiased	1.6075	1.5793	-0.0282
1297	20	Biased	1.6066	1.5298	-0.0768
1331	30	Unbiased	1.5956	1.5749	-0.0207
1337	20	Biased	1.6091	1.5621	-0.047
1359	30	Biased	1.609	1.5413	-0.0677
1375	30	Unbiased	1.6089	1.5906	-0.0183
1398	30	Biased	1.6007	1.5633	-0.0374
1401	20	Biased	1.5842	1.5413	-0.0429
1411	50	Biased	1.6011	1.5132	-0.0879
1474	50	Biased	1.6271	1.5554	-0.0717
1500	20	Unbiased	1.6255	1.6018	-0.0237
1504	50	Biased	1.6345	1.5825	-0.052
1662	30	Biased	1.6173	1.5528	-0.0645
1703	30	Biased	1.6093	1.5607	-0.0486
1736	30	Biased	1.6226	1.5748	-0.0478
1737	0	Correlation	1.6127	1.6056	-0.0071
1748	0	Correlation	1.6419	1.5955	-0.0464
1794	20	Biased	1.622	1.5792	-0.0428

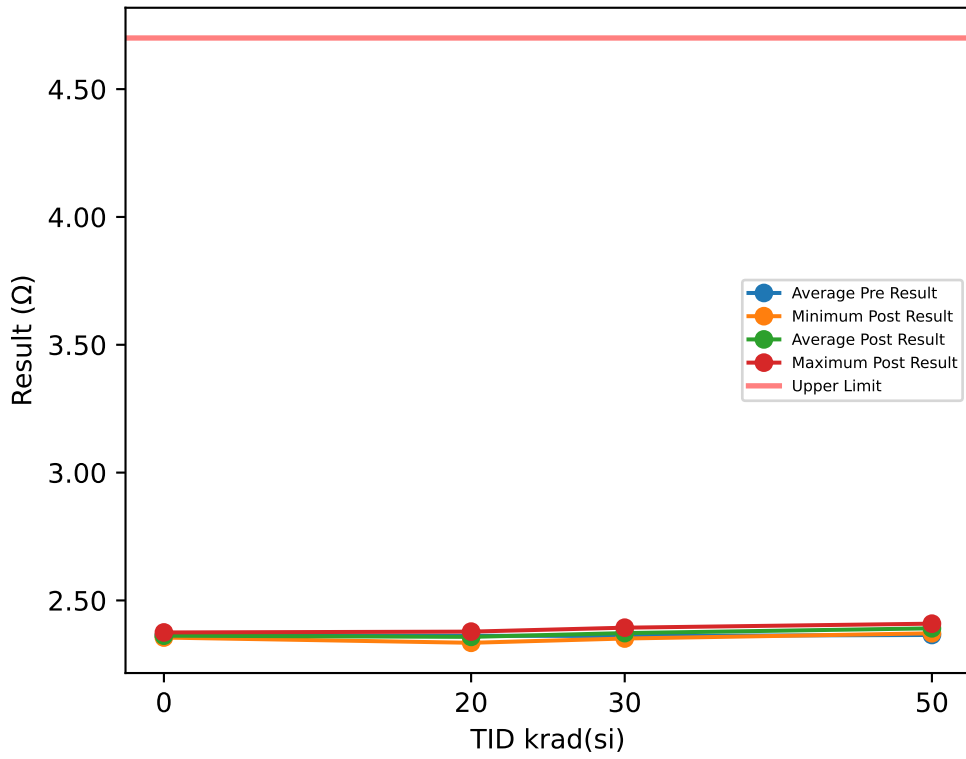
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5985	1.6145	1.6419	0.017437	1.5819	1.5968	1.6063	0.0099372	-0.0464	-0.0177	-0.0059	0.01661
20	1.5842	1.6036	1.6255	0.013141	1.5298	1.5659	1.6018	0.022479	-0.0768	-0.0377	-0.0085	0.01992
30	1.5956	1.61	1.6226	0.0092033	1.5413	1.5747	1.6036	0.02033	-0.0677	-0.03529	-0.0132	0.02075
50	1.6011	1.6172	1.6392	0.01283	1.5132	1.5649	1.5861	0.022264	-0.0879	-0.05234	-0.0269	0.019279

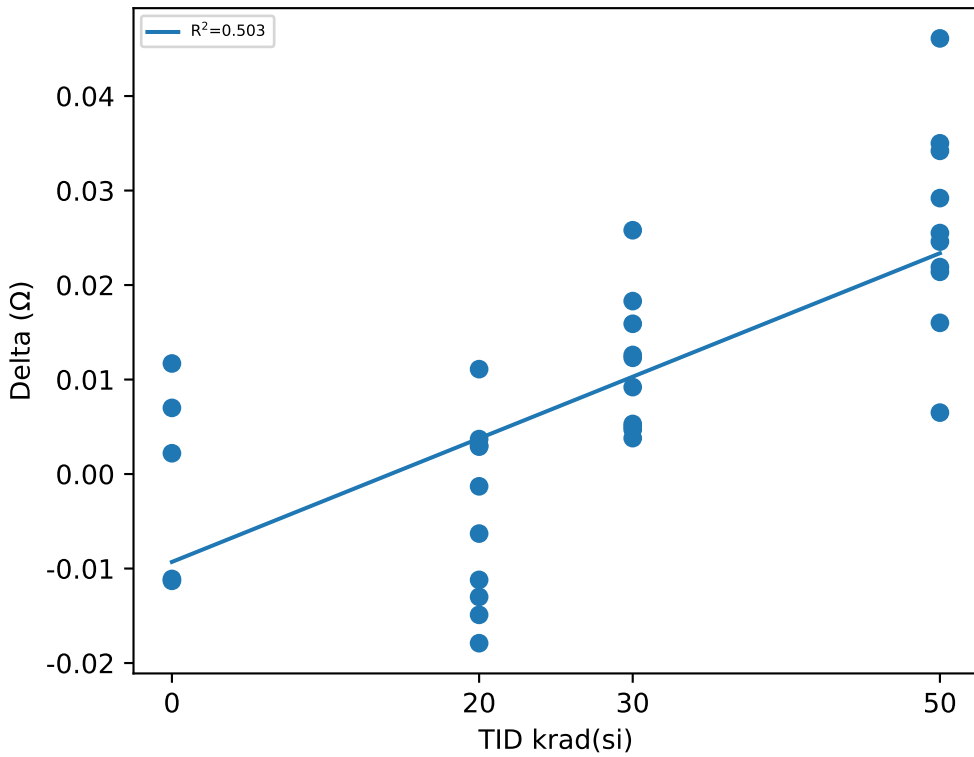
TID vs Result Stats



Test Results (Upper Limit = 4.7 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.3555	2.3425	-0.013
371	20	Unbiased	2.3526	2.3513	-0.0013
383	20	Unbiased	2.3599	2.3636	0.0037
390	50	Unbiased	2.3707	2.3962	0.0255
444	30	Unbiased	2.3418	2.351	0.0092
509	30	Unbiased	2.3537	2.3587	0.005
558	0	Correlation	2.3477	2.3594	0.0117
724	20	Biased	2.3856	2.3677	-0.0179
744	50	Biased	2.363	2.4091	0.0461
799	50	Biased	2.3885	2.4045	0.016
842	30	Unbiased	2.3751	2.3934	0.0183
930	50	Unbiased	2.3423	2.3715	0.0292
964	20	Unbiased	2.3669	2.378	0.0111
1056	0	Correlation	2.3726	2.3748	0.0022
1095	50	Unbiased	2.3697	2.3943	0.0246
1099	0	Correlation	2.3661	2.3548	-0.0113
1215	50	Unbiased	2.3511	2.373	0.0219
1229	50	Unbiased	2.3695	2.376	0.0065
1297	20	Biased	2.3784	2.3672	-0.0112
1331	30	Unbiased	2.3584	2.3707	0.0123
1337	20	Biased	2.3589	2.3619	0.003
1359	30	Biased	2.3547	2.3706	0.0159
1375	30	Unbiased	2.3678	2.3725	0.0047
1398	30	Biased	2.3478	2.3736	0.0258
1401	20	Biased	2.3501	2.3438	-0.0063
1411	50	Biased	2.3609	2.3951	0.0342
1474	50	Biased	2.3723	2.4073	0.035
1500	20	Unbiased	2.3492	2.3343	-0.0149
1504	50	Biased	2.3607	2.3821	0.0214
1662	30	Biased	2.3742	2.3868	0.0126
1703	30	Biased	2.3618	2.3671	0.0053
1736	30	Biased	2.3746	2.3784	0.0038
1737	0	Correlation	2.3756	2.3645	-0.0111
1748	0	Correlation	2.3502	2.3572	0.007
1794	20	Biased	2.3615	2.3644	0.0029

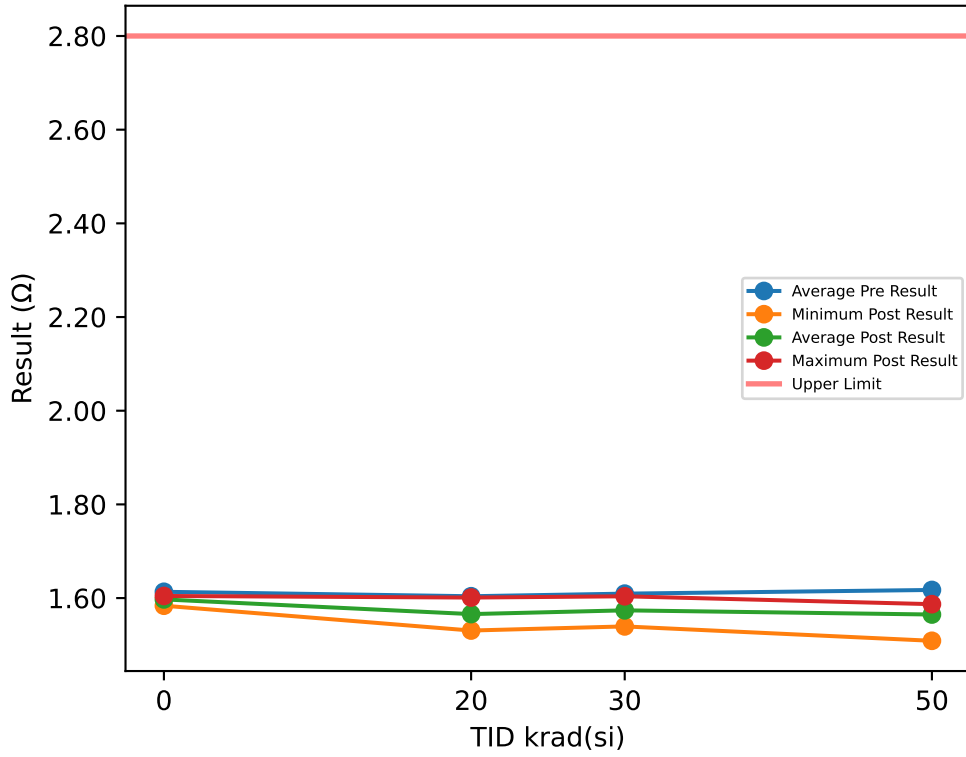
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.3477	2.3624	2.3756	0.012815	2.3548	2.3621	2.3748	0.0079315	-0.0113	-0.0003	0.0117	0.010502
20	2.3492	2.3619	2.3856	0.012019	2.3343	2.3575	2.378	0.013792	-0.0179	-0.00439	0.0111	0.0096599
30	2.3418	2.361	2.3751	0.011773	2.351	2.3723	2.3934	0.012318	0.0038	0.01129	0.0258	0.0071725
50	2.3423	2.3649	2.3885	0.012596	2.3715	2.3909	2.4091	0.014293	0.0065	0.02604	0.0461	0.010969

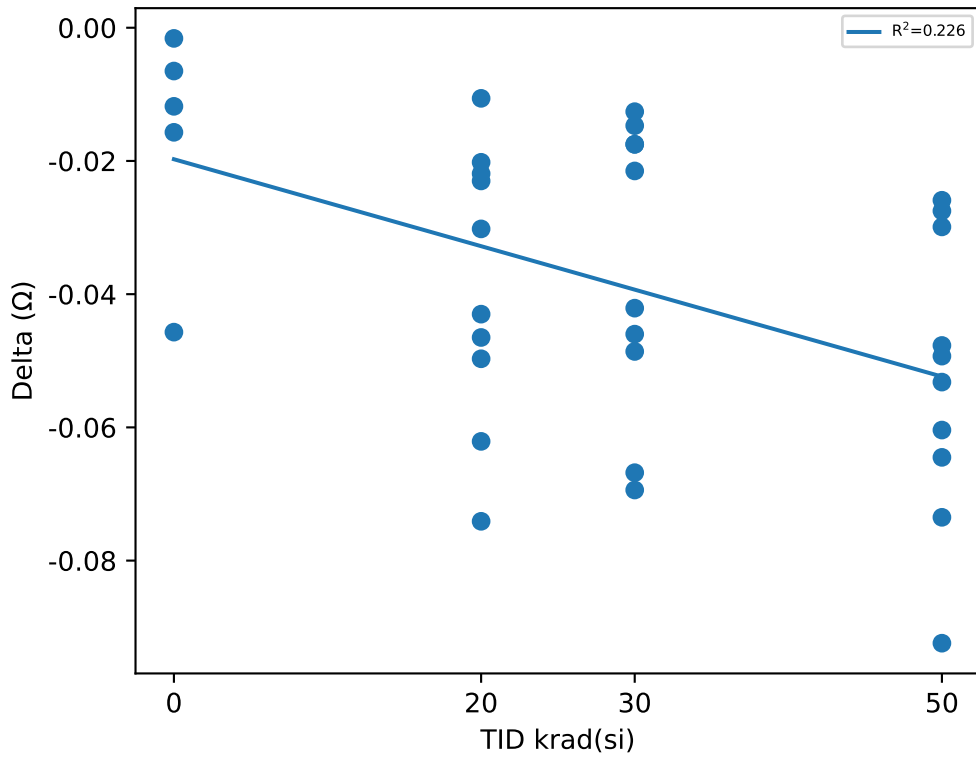
TID vs Result Stats



Test Results (Upper Limit = 2.8 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.5923	1.5817	-0.0106
371	20	Unbiased	1.5883	1.5681	-0.0202
383	20	Unbiased	1.6008	1.5778	-0.023
390	50	Unbiased	1.6136	1.5643	-0.0493
444	30	Unbiased	1.6018	1.5871	-0.0147
509	30	Unbiased	1.6164	1.6038	-0.0126
558	0	Correlation	1.6163	1.6045	-0.0118
724	20	Biased	1.6025	1.5404	-0.0621
744	50	Biased	1.6438	1.5793	-0.0645
799	50	Biased	1.6174	1.5642	-0.0532
842	30	Unbiased	1.6153	1.5978	-0.0175
930	50	Unbiased	1.6119	1.582	-0.0299
964	20	Unbiased	1.6059	1.5757	-0.0302
1056	0	Correlation	1.6009	1.5993	-0.0016
1095	50	Unbiased	1.6129	1.587	-0.0259
1099	0	Correlation	1.5994	1.5837	-0.0157
1215	50	Unbiased	1.6043	1.5439	-0.0604
1229	50	Unbiased	1.6058	1.5783	-0.0275
1297	20	Biased	1.6048	1.5307	-0.0741
1331	30	Unbiased	1.5963	1.5748	-0.0215
1337	20	Biased	1.61	1.5603	-0.0497
1359	30	Biased	1.6089	1.5395	-0.0694
1375	30	Unbiased	1.607	1.5895	-0.0175
1398	30	Biased	1.6	1.5579	-0.0421
1401	20	Biased	1.5878	1.5413	-0.0465
1411	50	Biased	1.6012	1.5088	-0.0924
1474	50	Biased	1.628	1.5545	-0.0735
1500	20	Unbiased	1.623	1.6011	-0.0219
1504	50	Biased	1.6345	1.5868	-0.0477
1662	30	Biased	1.6181	1.5513	-0.0668
1703	30	Biased	1.6092	1.5606	-0.0486
1736	30	Biased	1.6218	1.5758	-0.046
1737	0	Correlation	1.6103	1.6038	-0.0065
1748	0	Correlation	1.6402	1.5945	-0.0457
1794	20	Biased	1.624	1.581	-0.043

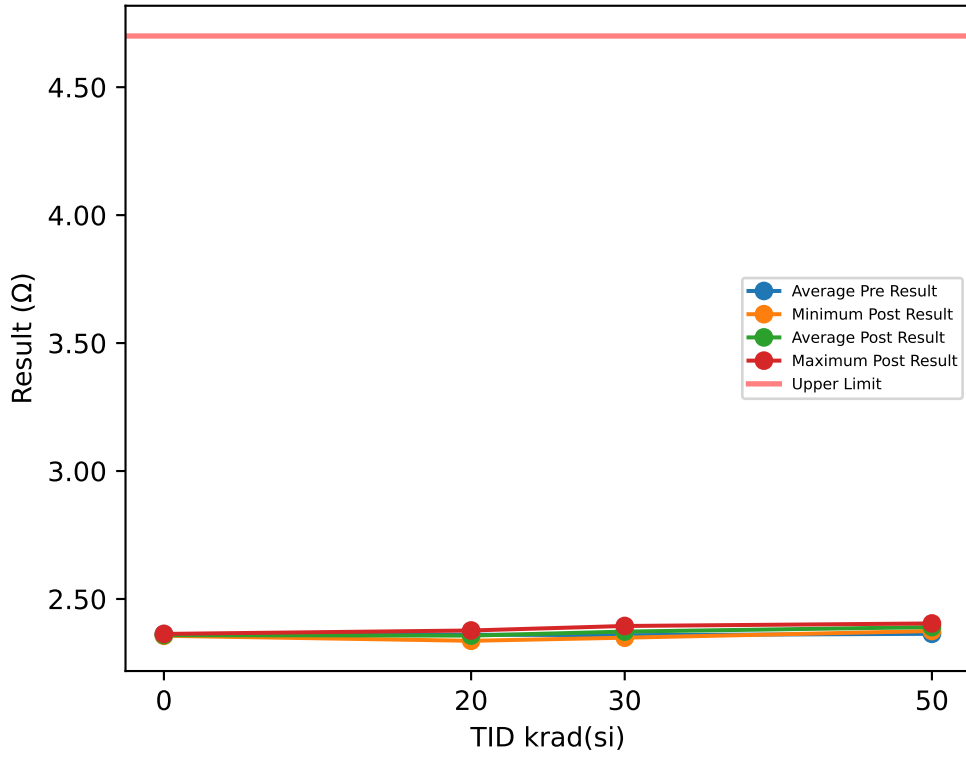
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5994	1.6134	1.6402	0.016496	1.5837	1.5972	1.6045	0.0085263	-0.0457	-0.01626	-0.0016	0.0173
20	1.5878	1.6039	1.624	0.012735	1.5307	1.5658	1.6011	0.022323	-0.0741	-0.03813	-0.0106	0.02036
30	1.5963	1.6095	1.6218	0.0084128	1.5395	1.5738	1.6038	0.021119	-0.0694	-0.03567	-0.0126	0.021744
50	1.6012	1.6173	1.6438	0.013885	1.5088	1.5649	1.587	0.024369	-0.0924	-0.05243	-0.0259	0.021387

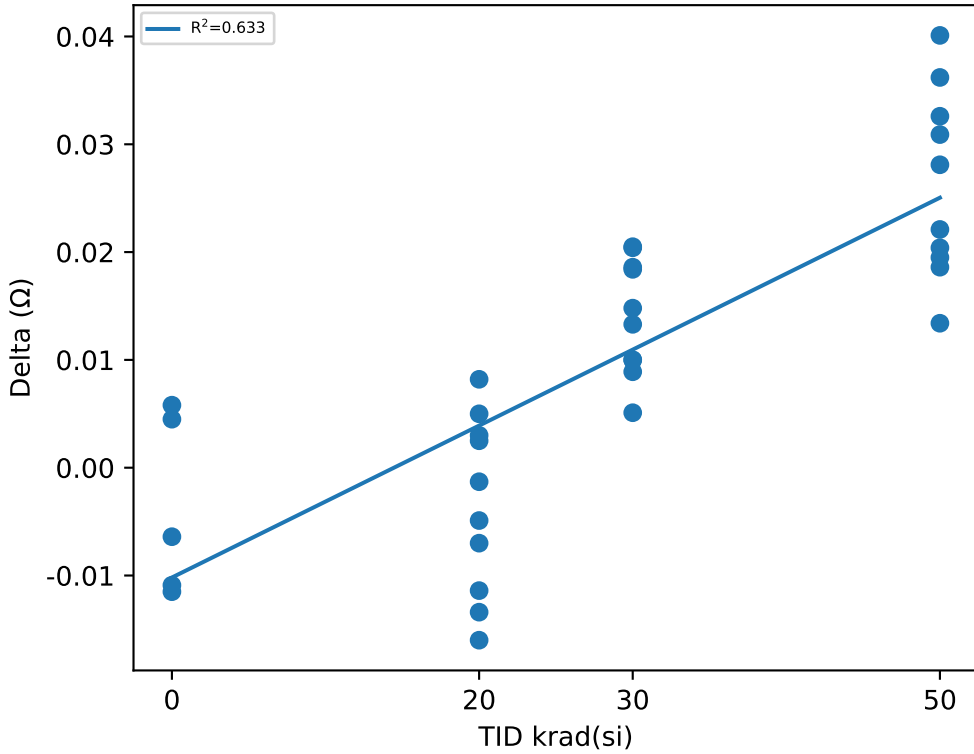
TID vs Result Stats



Test Results (Upper Limit = 4.7 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.3531	2.3371	-0.016
371	20	Unbiased	2.3523	2.3553	0.003
383	20	Unbiased	2.358	2.363	0.005
390	50	Unbiased	2.3665	2.3991	0.0326
444	30	Unbiased	2.3387	2.3487	0.01
509	30	Unbiased	2.3472	2.3561	0.0089
558	0	Correlation	2.3517	2.3562	0.0045
724	20	Biased	2.3802	2.3688	-0.0114
744	50	Biased	2.3634	2.4035	0.0401
799	50	Biased	2.3825	2.402	0.0195
842	30	Unbiased	2.3761	2.3945	0.0184
930	50	Unbiased	2.3472	2.3753	0.0281
964	20	Unbiased	2.3687	2.3769	0.0082
1056	0	Correlation	2.3699	2.3635	-0.0064
1095	50	Unbiased	2.3657	2.3878	0.0221
1099	0	Correlation	2.3699	2.3584	-0.0115
1215	50	Unbiased	2.3563	2.3749	0.0186
1229	50	Unbiased	2.3651	2.3785	0.0134
1297	20	Biased	2.3714	2.3644	-0.007
1331	30	Unbiased	2.3624	2.3724	0.01
1337	20	Biased	2.3598	2.3585	-0.0013
1359	30	Biased	2.3512	2.3698	0.0186
1375	30	Unbiased	2.3666	2.3717	0.0051
1398	30	Biased	2.3441	2.3646	0.0205
1401	20	Biased	2.3481	2.3432	-0.0049
1411	50	Biased	2.3616	2.3925	0.0309
1474	50	Biased	2.3682	2.4044	0.0362
1500	20	Unbiased	2.35	2.3366	-0.0134
1504	50	Biased	2.3625	2.3829	0.0204
1662	30	Biased	2.3687	2.3891	0.0204
1703	30	Biased	2.3608	2.3741	0.0133
1736	30	Biased	2.3697	2.3845	0.0148
1737	0	Correlation	2.3706	2.3597	-0.0109
1748	0	Correlation	2.3505	2.3563	0.0058
1794	20	Biased	2.3627	2.3652	0.0025

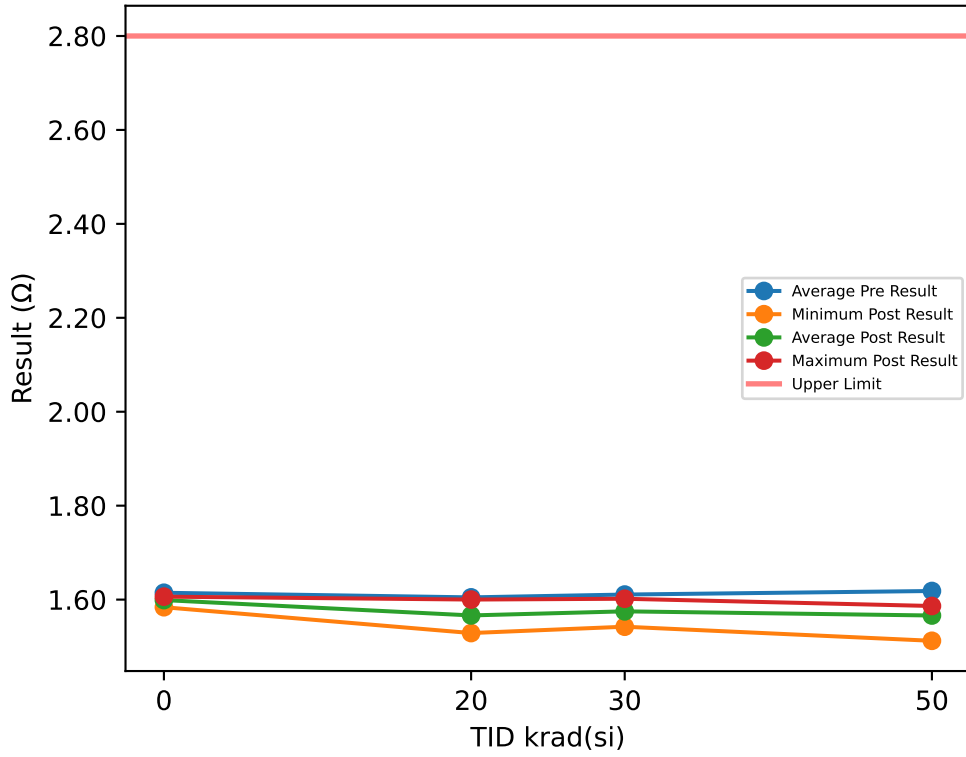
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	2.3505	2.3625	2.3706	0.010438	2.3562	2.3588	2.3635	0.0030028	-0.0115	-0.0037	0.0058	0.0083286
20	2.3481	2.3604	2.3802	0.010391	2.3366	2.3569	2.3769	0.013747	-0.016	-0.00353	0.0082	0.0083207
30	2.3387	2.3586	2.3761	0.012498	2.3487	2.3725	2.3945	0.014189	0.0051	0.014	0.0205	0.0053963
50	2.3472	2.3639	2.3825	0.0089445	2.3749	2.3901	2.4044	0.011805	0.0134	0.02619	0.0401	0.0086719

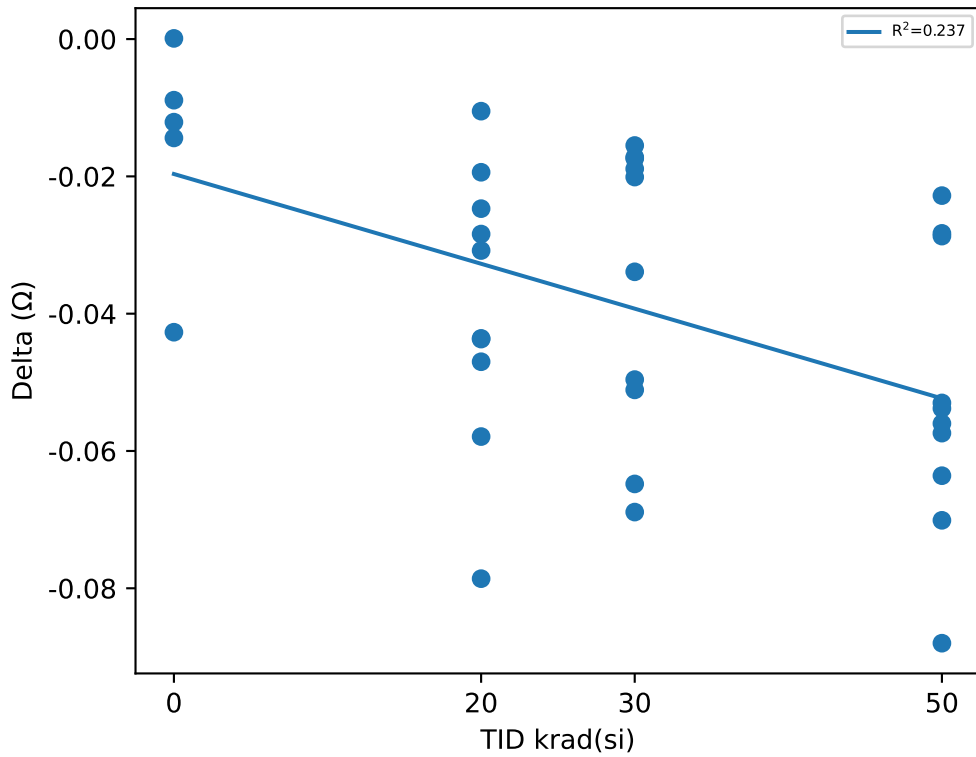
TID vs Result Stats



Test Results (Upper Limit = 2.8 (Ω))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.5947	1.5842	-0.0105
371	20	Unbiased	1.5901	1.5707	-0.0194
383	20	Unbiased	1.6007	1.576	-0.0247
390	50	Unbiased	1.6172	1.5634	-0.0538
444	30	Unbiased	1.6043	1.5869	-0.0174
509	30	Unbiased	1.6173	1.6018	-0.0155
558	0	Correlation	1.6207	1.6063	-0.0144
724	20	Biased	1.6	1.5421	-0.0579
744	50	Biased	1.6419	1.5783	-0.0636
799	50	Biased	1.6218	1.5658	-0.056
842	30	Unbiased	1.6155	1.5966	-0.0189
930	50	Unbiased	1.6092	1.5864	-0.0228
964	20	Unbiased	1.6075	1.5767	-0.0308
1056	0	Correlation	1.6009	1.601	0.0001
1095	50	Unbiased	1.6148	1.5861	-0.0287
1099	0	Correlation	1.5959	1.5838	-0.0121
1215	50	Unbiased	1.6043	1.5469	-0.0574
1229	50	Unbiased	1.6076	1.5793	-0.0283
1297	20	Biased	1.6074	1.5288	-0.0786
1331	30	Unbiased	1.5947	1.5775	-0.0172
1337	20	Biased	1.611	1.564	-0.047
1359	30	Biased	1.6071	1.5423	-0.0648
1375	30	Unbiased	1.6106	1.5905	-0.0201
1398	30	Biased	1.6008	1.5669	-0.0339
1401	20	Biased	1.5868	1.5431	-0.0437
1411	50	Biased	1.6003	1.5123	-0.088
1474	50	Biased	1.629	1.5589	-0.0701
1500	20	Unbiased	1.6285	1.6001	-0.0284
1504	50	Biased	1.6372	1.5842	-0.053
1662	30	Biased	1.6226	1.5537	-0.0689
1703	30	Biased	1.6103	1.5607	-0.0496
1736	30	Biased	1.6243	1.5732	-0.0511
1737	0	Correlation	1.6145	1.6056	-0.0089
1748	0	Correlation	1.6409	1.5982	-0.0427
1794	20	Biased	1.621	1.5774	-0.0436

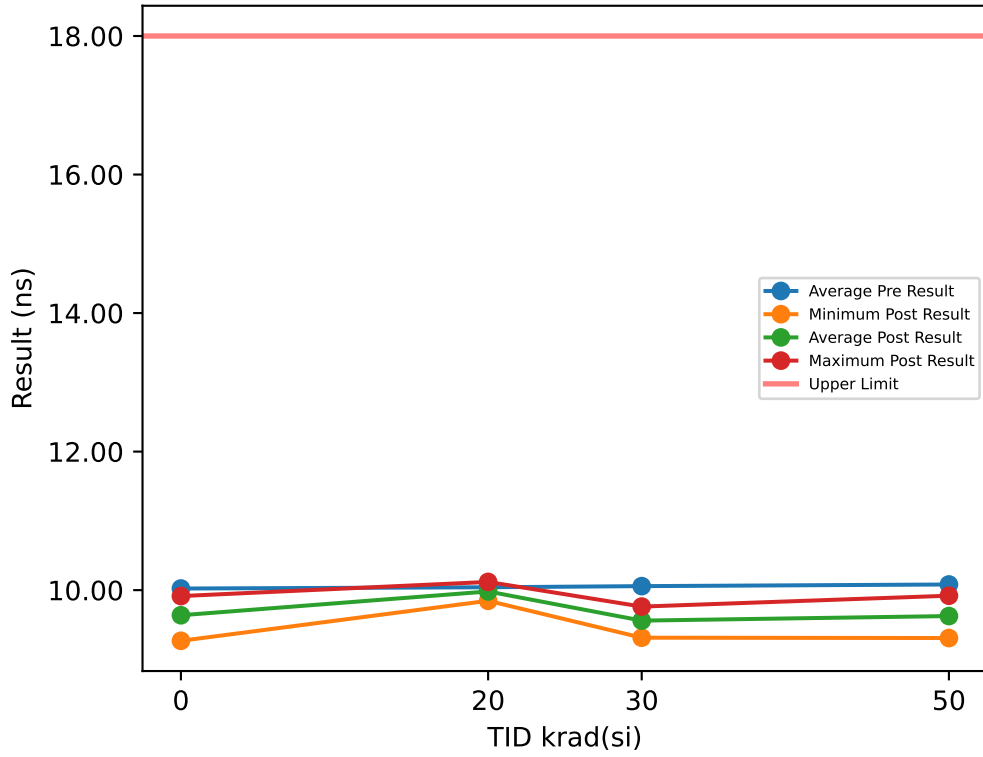
TID vs Post - Pre Exposure Delta



Test Statistics (Ω)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	1.5959	1.6146	1.6409	0.017792	1.5838	1.599	1.6063	0.0091177	-0.0427	-0.0156	0.0001	0.01612
20	1.5868	1.6048	1.6285	0.01316	1.5288	1.5663	1.6001	0.021967	-0.0786	-0.03846	-0.0105	0.020028
30	1.5947	1.6108	1.6243	0.0094354	1.5423	1.575	1.6018	0.019348	-0.0689	-0.03574	-0.0155	0.021065
50	1.6003	1.6183	1.6419	0.01403	1.5123	1.5662	1.5864	0.023058	-0.088	-0.05217	-0.0228	0.020452

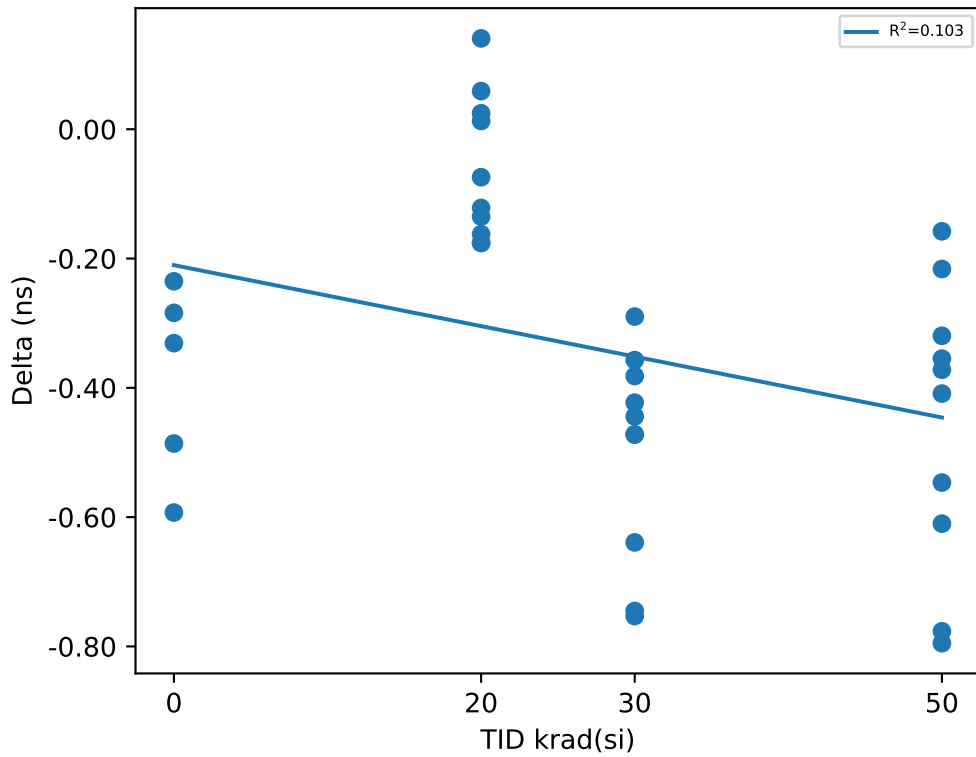
TID vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	10.022	9.8866	-0.1351
371	20	Unbiased	10.158	9.982	-0.1756
383	20	Unbiased	10.166	9.9898	-0.176
390	50	Unbiased	10.062	9.7424	-0.3195
444	30	Unbiased	9.9742	9.5513	-0.4229
509	30	Unbiased	10.168	9.6952	-0.4724
558	0	Correlation	10.087	9.7561	-0.3309
724	20	Biased	9.9973	10.056	0.059
744	50	Biased	10.182	9.8099	-0.372
799	50	Biased	10.173	9.3966	-0.7766
842	30	Unbiased	10.114	9.6425	-0.472
930	50	Unbiased	9.9187	9.3086	-0.6101
964	20	Unbiased	9.9409	9.9537	0.0128
1056	0	Correlation	9.9509	9.6669	-0.284
1095	50	Unbiased	10.062	9.6534	-0.4089
1099	0	Correlation	9.8615	9.2686	-0.5929
1215	50	Unbiased	9.9845	9.7683	-0.2162
1229	50	Unbiased	10.134	9.3392	-0.795
1297	20	Biased	9.8999	10.04	0.1405
1331	30	Unbiased	9.9611	9.322	-0.6391
1337	20	Biased	9.968	9.8462	-0.1218
1359	30	Biased	10.052	9.7624	-0.2898
1375	30	Unbiased	9.9763	9.532	-0.4443
1398	30	Biased	10.004	9.6217	-0.3818
1401	20	Biased	9.9517	9.9764	0.0247
1411	50	Biased	9.8549	9.697	-0.1579
1474	50	Biased	10.274	9.9196	-0.3549
1500	20	Unbiased	10.119	9.9566	-0.1624
1504	50	Biased	10.169	9.6222	-0.5465
1662	30	Biased	10.094	9.7369	-0.3571
1703	30	Biased	10.067	9.3135	-0.7531
1736	30	Biased	10.167	9.422	-0.7452
1737	0	Correlation	10.067	9.5811	-0.4861
1748	0	Correlation	10.149	9.9143	-0.2352
1794	20	Biased	10.193	10.119	-0.0742

TID vs Post - Pre Exposure Delta

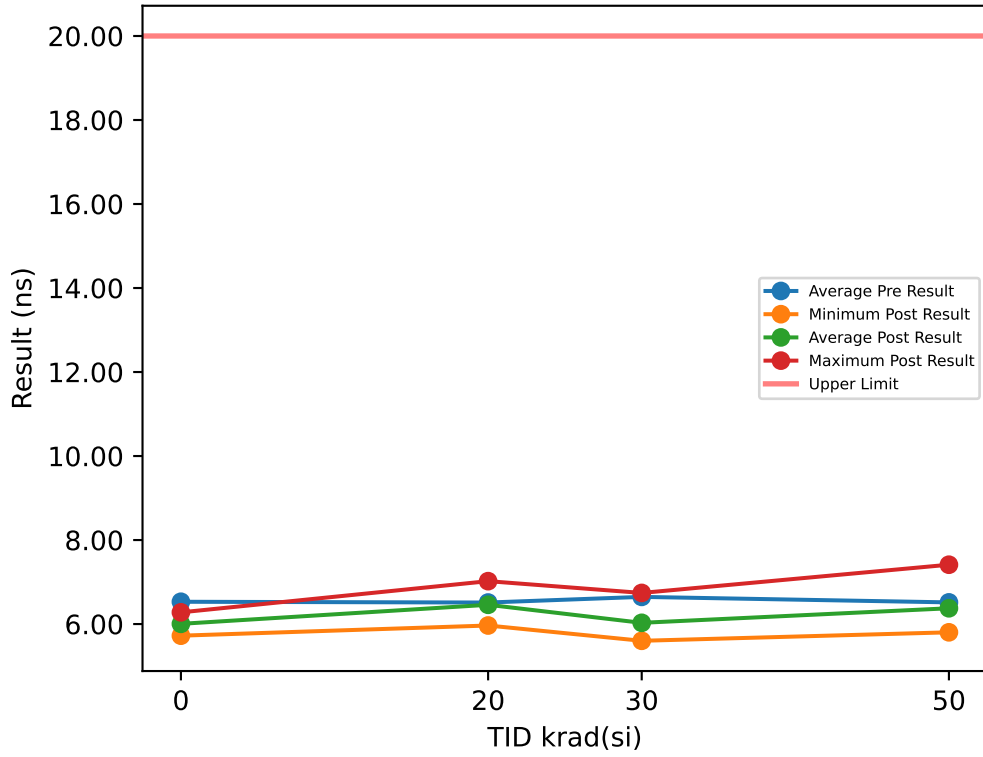


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	9.8615	10.023	10.149	0.11547	9.2686	9.6374	9.9143	0.24022	-0.5929	-0.38582	-0.2352	0.14917
20	9.8999	10.041	10.193	0.1074	9.8462	9.9807	10.119	0.07934	-0.176	-0.06081	0.1405	0.11244
30	9.9611	10.058	10.168	0.077881	9.3135	9.56	9.7624	0.16278	-0.7531	-0.49777	-0.2898	0.16078
50	9.8549	10.081	10.274	0.13087	9.3086	9.6257	9.9196	0.20956	-0.795	-0.45576	-0.1579	0.21963

Device Test: 24.11 TIMING|OUT_RISE/OUTH/14/14/0/1000/5/500kHz//@OUT_RISE_14V

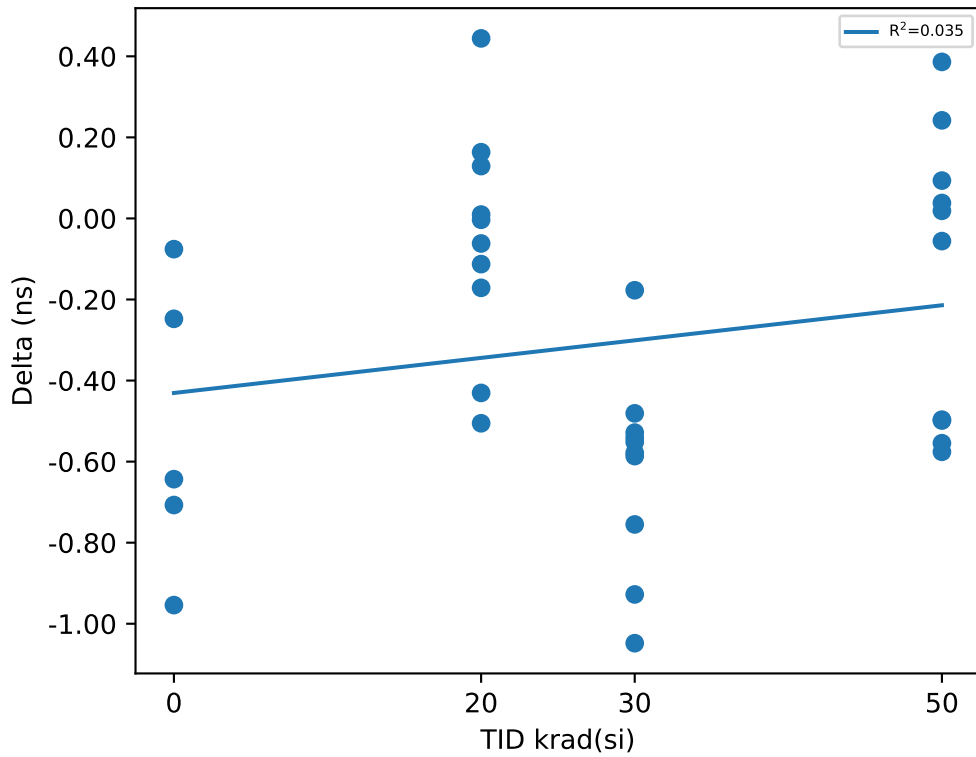
TID vs Result Stats



Test Results (Upper Limit = 20.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	6.6583	6.2278	-0.4305
371	20	Unbiased	6.5292	6.6584	0.1292
383	20	Unbiased	6.7039	6.7135	0.0096
390	50	Unbiased	7.0264	7.4126	0.3862
444	30	Unbiased	6.6493	5.6013	-1.048
509	30	Unbiased	6.3831	5.842	-0.5411
558	0	Correlation	6.1486	6.0728	-0.0758
724	20	Biased	6.4313	6.428	-0.0033
744	50	Biased	6.4416	6.4797	0.0381
799	50	Biased	6.8825	6.3067	-0.5758
842	30	Unbiased	7.3192	6.7409	-0.5783
930	50	Unbiased	5.8767	5.8955	0.0188
964	20	Unbiased	6.3613	6.2486	-0.1127
1056	0	Correlation	6.5264	6.2787	-0.2477
1095	50	Unbiased	6.4659	6.5593	0.0934
1099	0	Correlation	6.6771	5.7231	-0.954
1215	50	Unbiased	6.5429	6.0464	-0.4965
1229	50	Unbiased	6.3579	5.8033	-0.5546
1297	20	Biased	6.8576	7.021	0.1634
1331	30	Unbiased	6.7181	5.9631	-0.755
1337	20	Biased	6.1441	6.5883	0.4442
1359	30	Biased	6.6601	6.0737	-0.5864
1375	30	Unbiased	6.6093	6.0575	-0.5518
1398	30	Biased	6.8852	5.9575	-0.9277
1401	20	Biased	6.6866	6.5154	-0.1712
1411	50	Biased	6.1589	6.103	-0.0559
1474	50	Biased	6.7089	6.9509	0.242
1500	20	Unbiased	6.4707	5.9653	-0.5054
1504	50	Biased	6.6967	6.1981	-0.4986
1662	30	Biased	6.642	6.4648	-0.1772
1703	30	Biased	6.3544	5.826	-0.5284
1736	30	Biased	6.2465	5.7656	-0.4809
1737	0	Correlation	6.5416	5.8983	-0.6433
1748	0	Correlation	6.7595	6.0524	-0.7071
1794	20	Biased	6.2797	6.2179	-0.0618

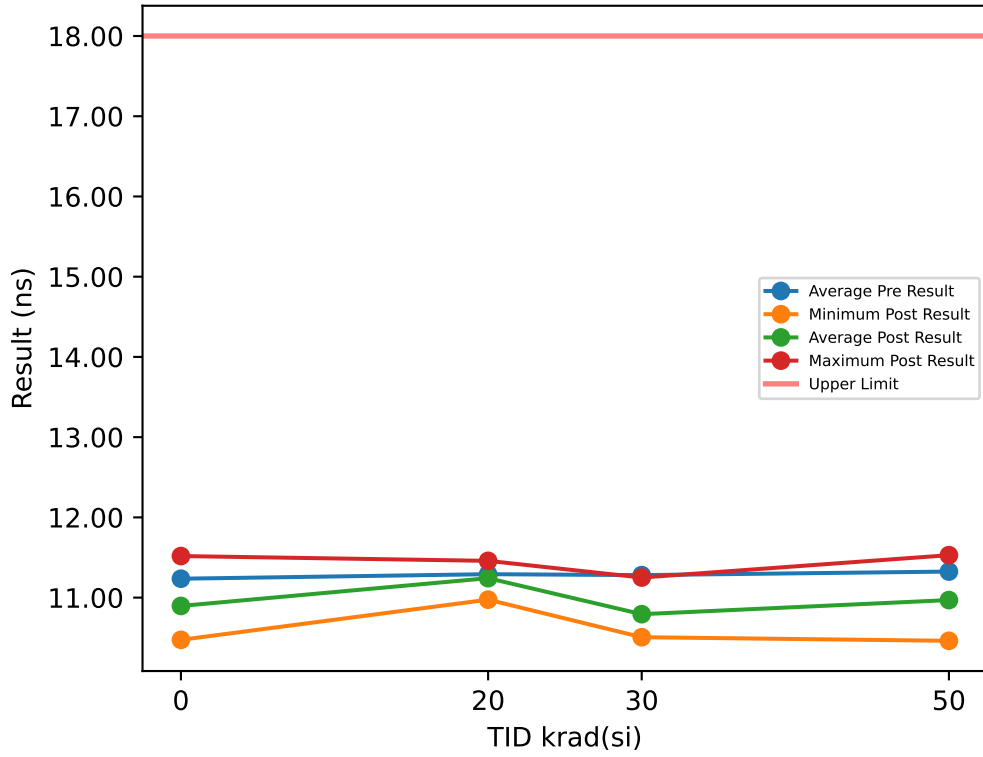
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.1486	6.5306	6.7595	0.23448	5.7231	6.0051	6.2787	0.20773	-0.954	-0.52558	-0.0758	0.35703
20	6.1441	6.5123	6.8576	0.21825	5.9653	6.4584	7.021	0.30565	-0.5054	-0.05385	0.4442	0.27857
30	6.2465	6.6467	7.3192	0.30385	5.6013	6.0292	6.7409	0.33952	-1.048	-0.61748	-0.1772	0.24349
50	5.8767	6.5158	7.0264	0.33906	5.8033	6.3755	7.4126	0.49754	-0.5758	-0.14029	0.3862	0.35882

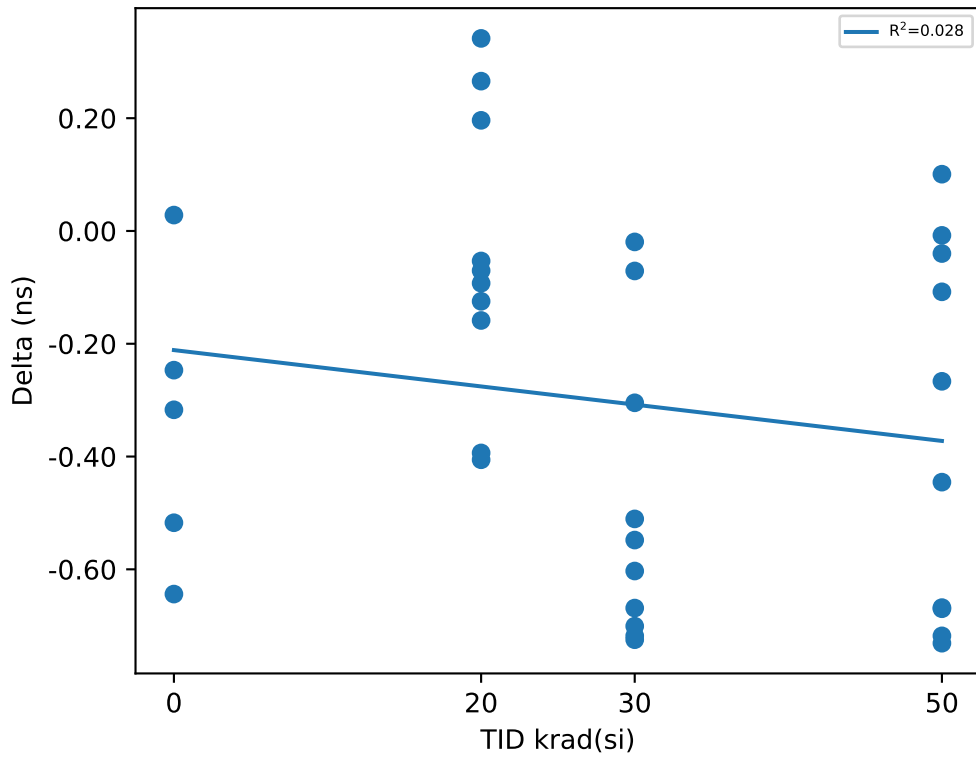
TID vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	11.275	11.222	-0.0532
371	20	Unbiased	11.588	11.195	-0.3936
383	20	Unbiased	11.65	11.245	-0.4057
390	50	Unbiased	11.206	11.198	-0.0078
444	30	Unbiased	11.232	10.531	-0.7008
509	30	Unbiased	11.395	10.885	-0.5106
558	0	Correlation	11.273	11.027	-0.2468
724	20	Biased	11.117	11.458	0.3415
744	50	Biased	11.552	11.107	-0.4454
799	50	Biased	11.383	10.652	-0.731
842	30	Unbiased	11.478	10.753	-0.7248
930	50	Unbiased	11.13	10.462	-0.6679
964	20	Unbiased	11.045	10.975	-0.0703
1056	0	Correlation	11.067	10.75	-0.3171
1095	50	Unbiased	11.193	10.926	-0.2666
1099	0	Correlation	11.118	10.474	-0.6439
1215	50	Unbiased	11.222	11.182	-0.04
1229	50	Unbiased	11.287	10.617	-0.6699
1297	20	Biased	11.171	11.437	0.2657
1331	30	Unbiased	11.23	10.512	-0.718
1337	20	Biased	11.178	11.019	-0.1587
1359	30	Biased	11.317	11.246	-0.0709
1375	30	Unbiased	11.163	10.614	-0.5481
1398	30	Biased	11.207	10.902	-0.3047
1401	20	Biased	11.112	11.309	0.1962
1411	50	Biased	10.994	11.095	0.1007
1474	50	Biased	11.637	11.529	-0.1079
1500	20	Unbiased	11.298	11.205	-0.0926
1504	50	Biased	11.642	10.924	-0.718
1662	30	Biased	11.27	11.25	-0.0194
1703	30	Biased	11.175	10.506	-0.6687
1736	30	Biased	11.338	10.735	-0.603
1737	0	Correlation	11.23	10.712	-0.5174
1748	0	Correlation	11.49	11.518	0.0282
1794	20	Biased	11.484	11.36	-0.1247

TID vs Post - Pre Exposure Delta

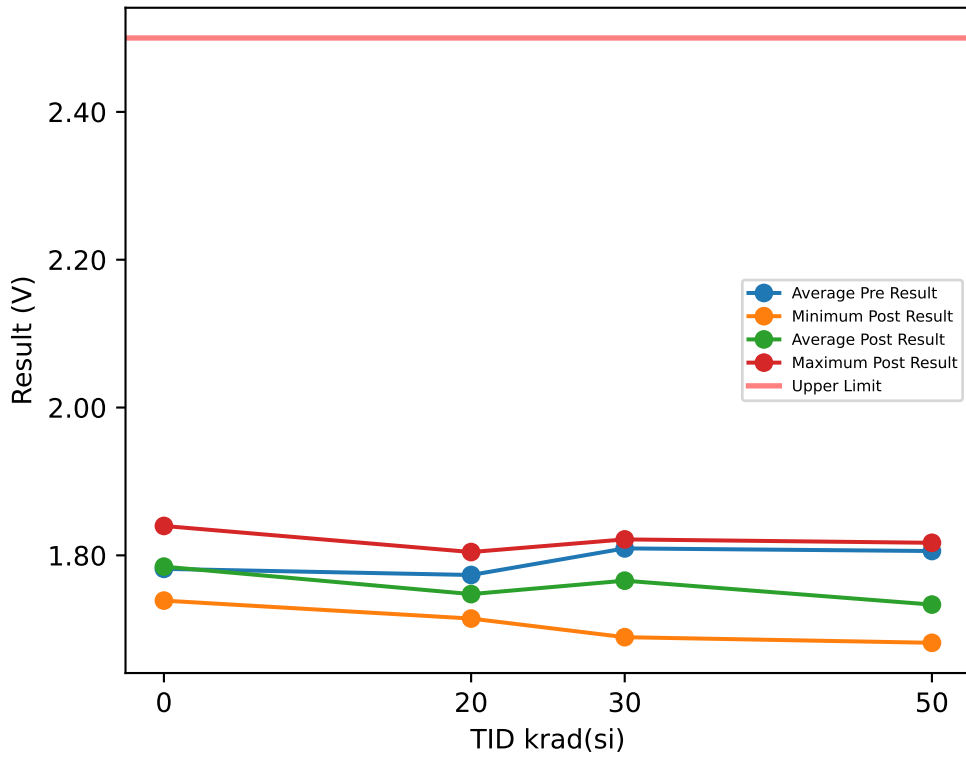


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	11.067	11.236	11.49	0.16457	10.474	10.896	11.518	0.39911	-0.6439	-0.3394	0.0282	0.25914
20	11.045	11.292	11.65	0.21226	10.975	11.242	11.458	0.15915	-0.4057	-0.04954	0.3415	0.25337
30	11.163	11.28	11.478	0.10125	10.506	10.793	11.25	0.27901	-0.7248	-0.4869	-0.0194	0.26487
50	10.994	11.325	11.642	0.22216	10.462	10.969	11.529	0.32179	-0.731	-0.35538	0.1007	0.32909

Device Test: 24.14 VOLTAGE|OUT_CLAMP/OUTL/5/0/0/0/0/0//@OUT_CLAMP_FULL

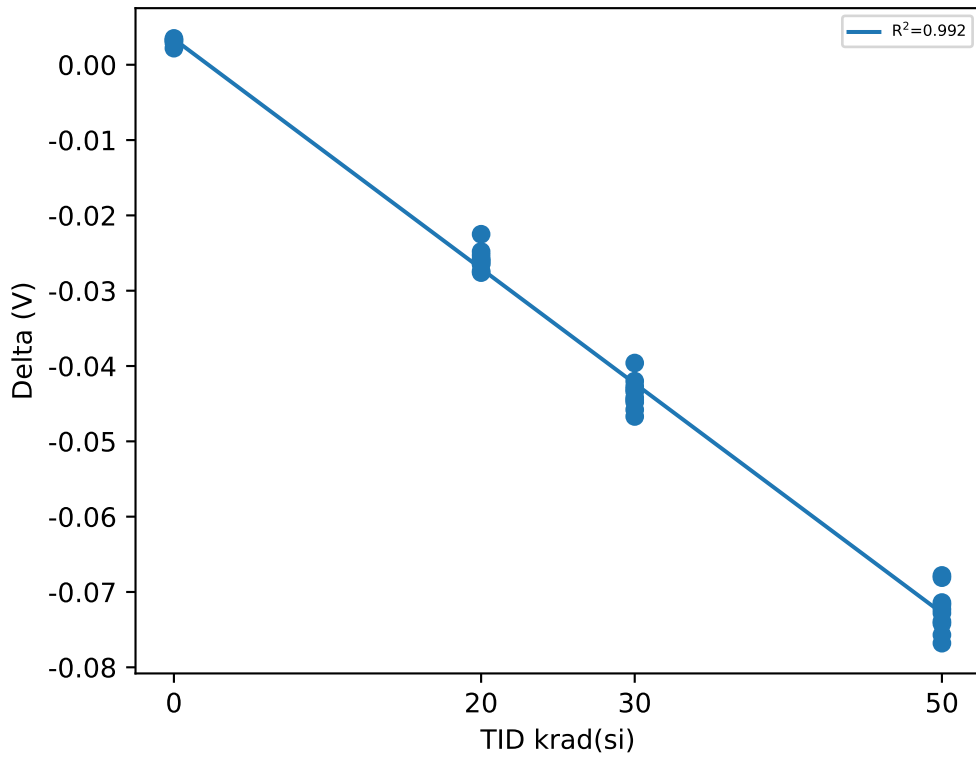
TID vs Result Stats



Test Results (Upper Limit = 2.5 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	1.8304	1.8045	-0.0259
371	20	Unbiased	1.7855	1.7591	-0.0264
383	20	Unbiased	1.7495	1.7221	-0.0274
390	50	Unbiased	1.7879	1.7122	-0.0757
444	30	Unbiased	1.8019	1.7552	-0.0467
509	30	Unbiased	1.833	1.7872	-0.0458
558	0	Correlation	1.8369	1.8398	0.0029
724	20	Biased	1.7665	1.744	-0.0225
744	50	Biased	1.7761	1.708	-0.0681
799	50	Biased	1.8225	1.7511	-0.0714
842	30	Unbiased	1.8548	1.81	-0.0448
930	50	Unbiased	1.7921	1.7182	-0.0739
964	20	Unbiased	1.7505	1.7229	-0.0276
1056	0	Correlation	1.7366	1.7388	0.0022
1095	50	Unbiased	1.8067	1.7339	-0.0728
1099	0	Correlation	1.7578	1.7613	0.0035
1215	50	Unbiased	1.7585	1.6817	-0.0768
1229	50	Unbiased	1.8214	1.7472	-0.0742
1297	20	Biased	1.7646	1.7398	-0.0248
1331	30	Unbiased	1.7973	1.7528	-0.0445
1337	20	Biased	1.7733	1.748	-0.0253
1359	30	Biased	1.8643	1.8216	-0.0427
1375	30	Unbiased	1.7658	1.7238	-0.042
1398	30	Biased	1.8139	1.7697	-0.0442
1401	20	Biased	1.741	1.7145	-0.0265
1411	50	Biased	1.7897	1.718	-0.0717
1474	50	Biased	1.8893	1.817	-0.0723
1500	20	Unbiased	1.7534	1.7276	-0.0258
1504	50	Biased	1.8145	1.7467	-0.0678
1662	30	Biased	1.7919	1.7523	-0.0396
1703	30	Biased	1.7327	1.6893	-0.0434
1736	30	Biased	1.8387	1.7956	-0.0431
1737	0	Correlation	1.7833	1.7866	0.0033
1748	0	Correlation	1.7941	1.7973	0.0032
1794	20	Biased	1.8197	1.7936	-0.0261

TID vs Post - Pre Exposure Delta

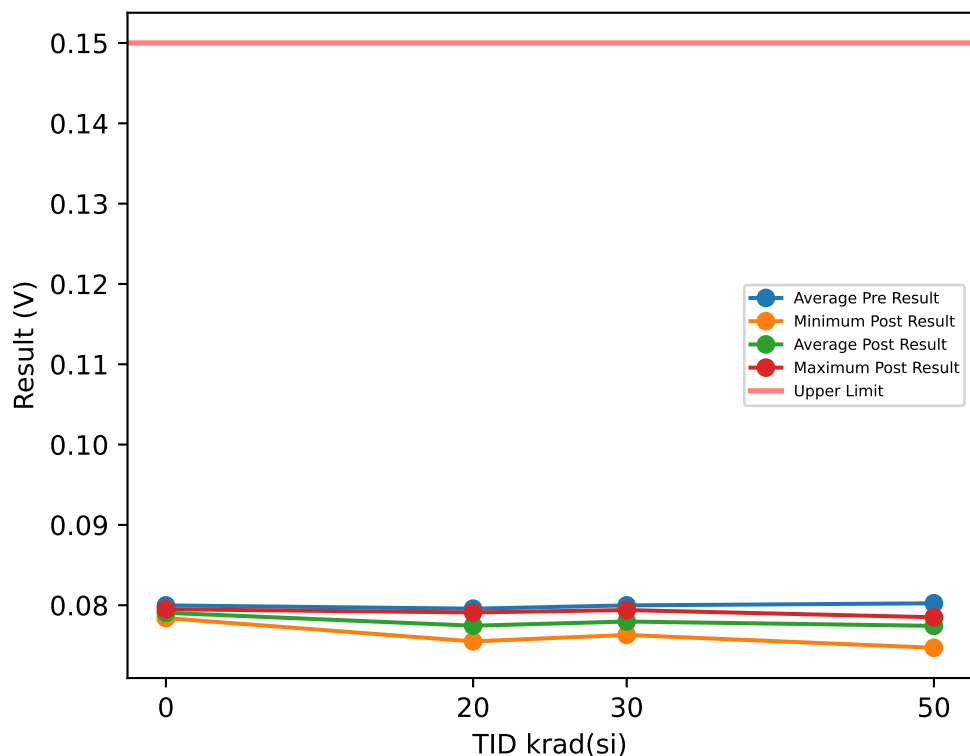


Test Statistics (V)

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	1.7366	1.7817	1.8369	0.038107	1.7388	1.7848	1.8398	0.038252	0.0022	0.00302	0.0035	0.00050695
20	1.741	1.7734	1.8304	0.030202	1.7145	1.7476	1.8045	0.030397	-0.0276	-0.02583	-0.0225	0.0014484
30	1.7327	1.8094	1.8643	0.040557	1.6893	1.7657	1.8216	0.04015	-0.0467	-0.04368	-0.0396	0.0020181
50	1.7585	1.8059	1.8893	0.03568	1.6817	1.7334	1.817	0.036371	-0.0768	-0.07247	-0.0678	0.002925

Device Test: 24.15 LEVEL|LOW_LEVEL/OUTL/8/8/0/0/5/500kHz//@OUT_VOL

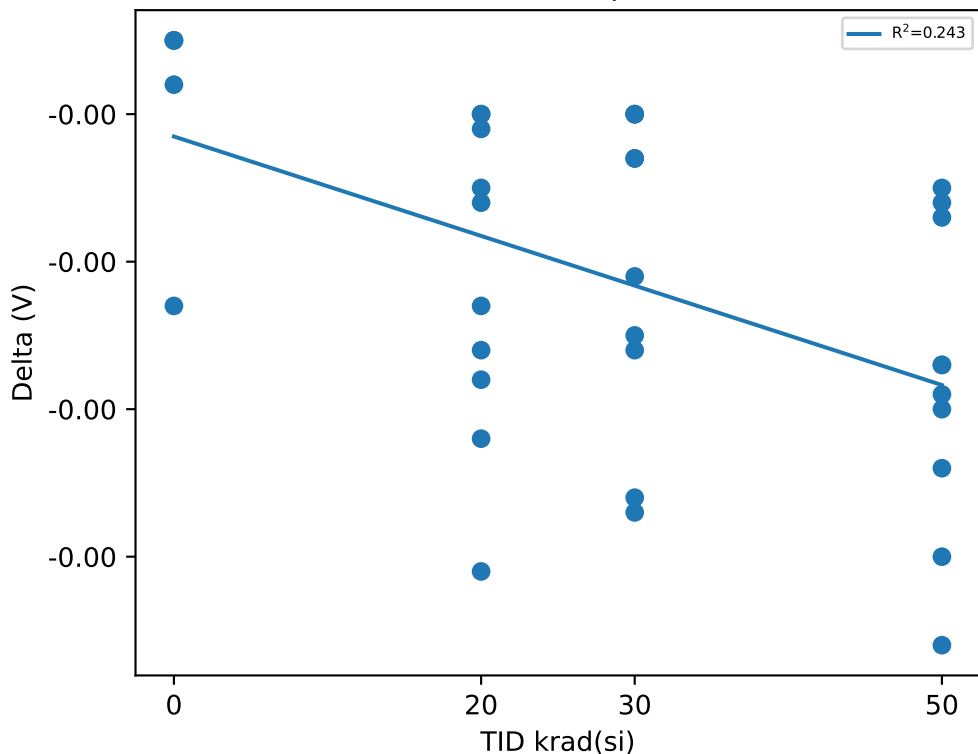
TID vs Result Stats



Test Results (Upper Limit = 0.15 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.0792	0.0781	-0.0011
371	20	Unbiased	0.0788	0.0778	-0.001
383	20	Unbiased	0.0793	0.0783	-0.001
390	50	Unbiased	0.08	0.0773	-0.0027
444	30	Unbiased	0.0796	0.0786	-0.001
509	30	Unbiased	0.0804	0.0794	-0.001
558	0	Correlation	0.08	0.0795	-0.0005
724	20	Biased	0.0794	0.0762	-0.0032
744	50	Biased	0.0811	0.0781	-0.003
799	50	Biased	0.0803	0.0776	-0.0027
842	30	Unbiased	0.08	0.079	-0.001
930	50	Unbiased	0.0798	0.0783	-0.0015
964	20	Unbiased	0.0795	0.078	-0.0015
1056	0	Correlation	0.0796	0.0791	-0.0005
1095	50	Unbiased	0.0801	0.0785	-0.0016
1099	0	Correlation	0.0792	0.0784	-0.0008
1215	50	Unbiased	0.0798	0.0764	-0.0034
1229	50	Unbiased	0.0799	0.0782	-0.0017
1297	20	Biased	0.0796	0.0755	-0.0041
1331	30	Unbiased	0.0794	0.0781	-0.0013
1337	20	Biased	0.0798	0.0772	-0.0026
1359	30	Biased	0.08	0.0763	-0.0037
1375	30	Unbiased	0.0801	0.0788	-0.0013
1398	30	Biased	0.0795	0.0774	-0.0021
1401	20	Biased	0.0789	0.0761	-0.0028
1411	50	Biased	0.0793	0.0747	-0.0046
1474	50	Biased	0.0808	0.0768	-0.004
1500	20	Unbiased	0.0807	0.0791	-0.0016
1504	50	Biased	0.0813	0.0784	-0.0029
1662	30	Biased	0.0803	0.0767	-0.0036
1703	30	Biased	0.0799	0.0774	-0.0025
1736	30	Biased	0.0806	0.078	-0.0026
1737	0	Correlation	0.08	0.0795	-0.0005
1748	0	Correlation	0.0811	0.0788	-0.0023
1794	20	Biased	0.0805	0.0782	-0.0023

TID vs Post - Pre Exposure Delta

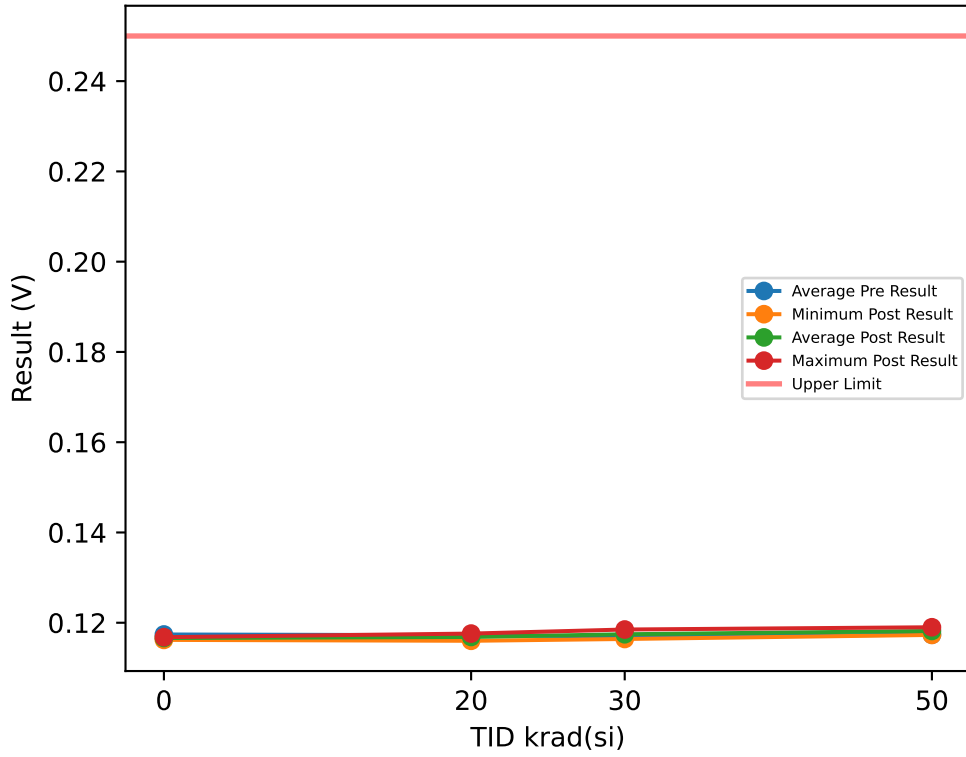


Test Statistics (V)

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	0.0792	0.07998	0.0811	0.00070852	0.0784	0.07906	0.0795	0.00047223	-0.0023	-0.00092	-0.0005	0.0007823
20	0.0788	0.07957	0.0807	0.00062191	0.0755	0.07745	0.0791	0.0011597	-0.0041	-0.00212	-0.001	0.0010549
30	0.0794	0.07998	0.0806	0.00039384	0.0763	0.07797	0.0794	0.0010144	-0.0037	-0.00201	-0.001	0.0010567
50	0.0793	0.08024	0.0813	0.00063631	0.0747	0.07743	0.0785	0.0011945	-0.0046	-0.00281	-0.0015	0.0010246

Device Test: 24.16 LEVEL|HIGH_LEVEL/OUTH/8/8/0/0/5/500kHz//@OUT_VOH

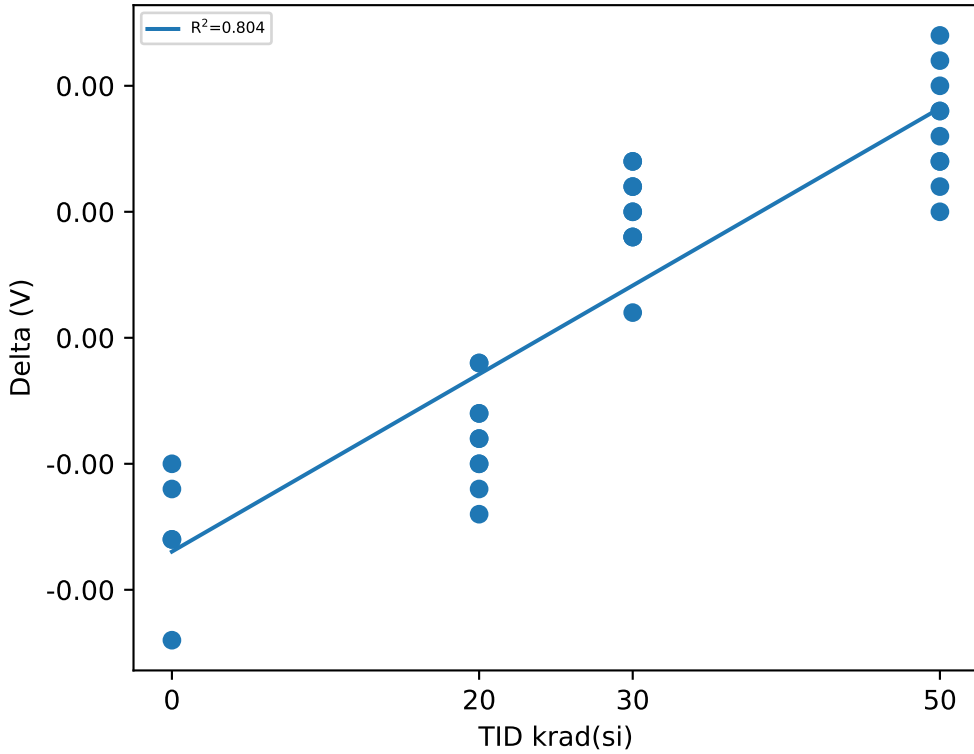
TID vs Result Stats



Test Results (Upper Limit = 0.25 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.1166	0.116	-0.0006
371	20	Unbiased	0.1171	0.1164	-0.0007
383	20	Unbiased	0.1174	0.1169	-0.0005
390	50	Unbiased	0.1178	0.1186	0.0008
444	30	Unbiased	0.116	0.1164	0.0004
509	30	Unbiased	0.1164	0.1168	0.0004
558	0	Correlation	0.117	0.1162	-0.0008
724	20	Biased	0.1179	0.1175	-0.0004
744	50	Biased	0.1174	0.1185	0.0011
799	50	Biased	0.118	0.119	0.001
842	30	Unbiased	0.1181	0.1185	0.0004
930	50	Unbiased	0.1168	0.1177	0.0009
964	20	Unbiased	0.1179	0.1176	-0.0003
1056	0	Correlation	0.1174	0.1168	-0.0006
1095	50	Unbiased	0.1173	0.118	0.0007
1099	0	Correlation	0.118	0.1168	-0.0012
1215	50	Unbiased	0.1167	0.1173	0.0006
1229	50	Unbiased	0.1173	0.1178	0.0005
1297	20	Biased	0.1179	0.1174	-0.0005
1331	30	Unbiased	0.1171	0.1176	0.0005
1337	20	Biased	0.1175	0.1171	-0.0004
1359	30	Biased	0.1165	0.1171	0.0006
1375	30	Unbiased	0.1173	0.1174	0.0001
1398	30	Biased	0.1162	0.1168	0.0006
1401	20	Biased	0.1164	0.1163	-0.0001
1411	50	Biased	0.1175	0.1182	0.0007
1474	50	Biased	0.1175	0.1187	0.0012
1500	20	Unbiased	0.1165	0.1162	-0.0003
1504	50	Biased	0.1171	0.118	0.0009
1662	30	Biased	0.1175	0.118	0.0005
1703	30	Biased	0.117	0.1177	0.0007
1736	30	Biased	0.1175	0.1182	0.0007
1737	0	Correlation	0.1176	0.1168	-0.0008
1748	0	Correlation	0.117	0.1165	-0.0005
1794	20	Biased	0.1172	0.1171	-0.0001

TID vs Post - Pre Exposure Delta

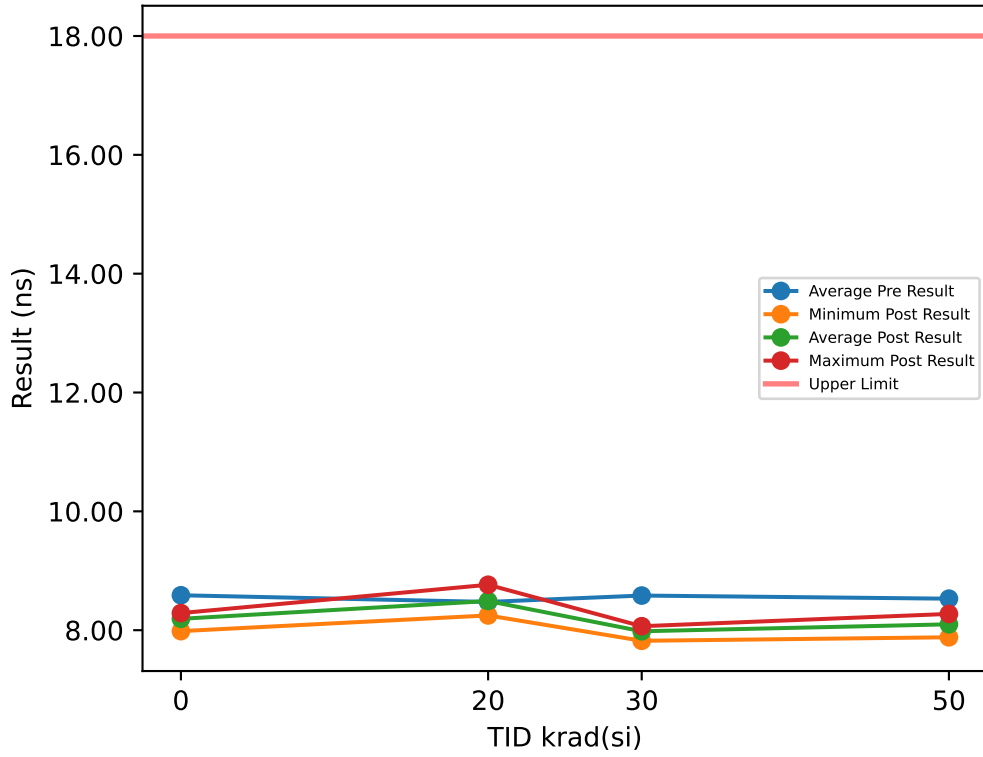


Test Statistics (V)

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	0.117	0.1174	0.118	0.00042426	0.1162	0.11662	0.1168	0.00026833	-0.0012	-0.00078	-0.0005	0.00026833
20	0.1164	0.11724	0.1179	0.00058538	0.116	0.11685	0.1176	0.00058357	-0.0007	-0.00039	-0.0001	0.00019692
30	0.116	0.11696	0.1181	0.00067032	0.1164	0.11745	0.1185	0.000677	0.0001	0.00049	0.0007	0.0001792
50	0.1167	0.11734	0.118	0.00040332	0.1173	0.11818	0.119	0.00052026	0.0005	0.00084	0.0012	0.00022211

Device Test: 24.17 TIMING|OUT_RISE/OUTH/8/8/0/1000/4.5/500kHz//@OUT_RISE_8V

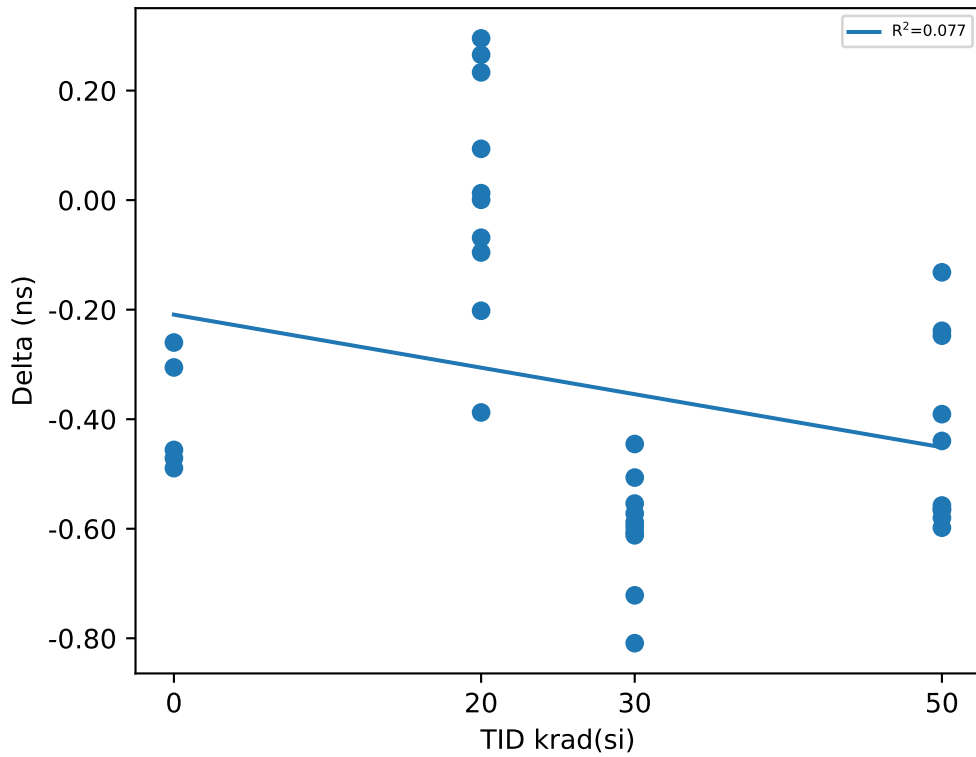
TID vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	8.6362	8.2485	-0.3877
371	20	Unbiased	8.4892	8.7225	0.2333
383	20	Unbiased	8.4991	8.7645	0.2654
390	50	Unbiased	8.61	8.03	-0.58
444	30	Unbiased	8.6444	8.048	-0.5964
509	30	Unbiased	8.4335	7.8215	-0.612
558	0	Correlation	8.7262	8.255	-0.4712
724	20	Biased	8.5179	8.4492	-0.0687
744	50	Biased	8.341	8.2092	-0.1318
799	50	Biased	8.5916	8.1519	-0.4397
842	30	Unbiased	8.5735	8.0669	-0.5066
930	50	Unbiased	8.4788	7.8807	-0.5981
964	20	Unbiased	8.4651	8.4778	0.0127
1056	0	Correlation	8.7439	8.2878	-0.4561
1095	50	Unbiased	8.5125	8.2739	-0.2386
1099	0	Correlation	8.4697	8.1642	-0.3055
1215	50	Unbiased	8.6884	8.1308	-0.5576
1229	50	Unbiased	8.503	7.9376	-0.5654
1297	20	Biased	8.331	8.4247	0.0937
1331	30	Unbiased	8.631	8.0589	-0.5721
1337	20	Biased	8.3432	8.6385	0.2953
1359	30	Biased	8.6857	7.9641	-0.7216
1375	30	Unbiased	8.7483	7.9393	-0.809
1398	30	Biased	8.6134	8.0253	-0.5881
1401	20	Biased	8.5773	8.3753	-0.202
1411	50	Biased	8.3264	8.0789	-0.2475
1474	50	Biased	8.5541	8.1633	-0.3908
1500	20	Unbiased	8.4026	8.307	-0.0956
1504	50	Biased	8.6977	8.1332	-0.5645
1662	30	Biased	8.5608	8.0068	-0.554
1703	30	Biased	8.4859	7.8798	-0.6061
1736	30	Biased	8.4531	8.0078	-0.4453
1737	0	Correlation	8.5256	8.2656	-0.26
1748	0	Correlation	8.4735	7.9841	-0.4894
1794	20	Biased	8.4966	8.4972	0.0006

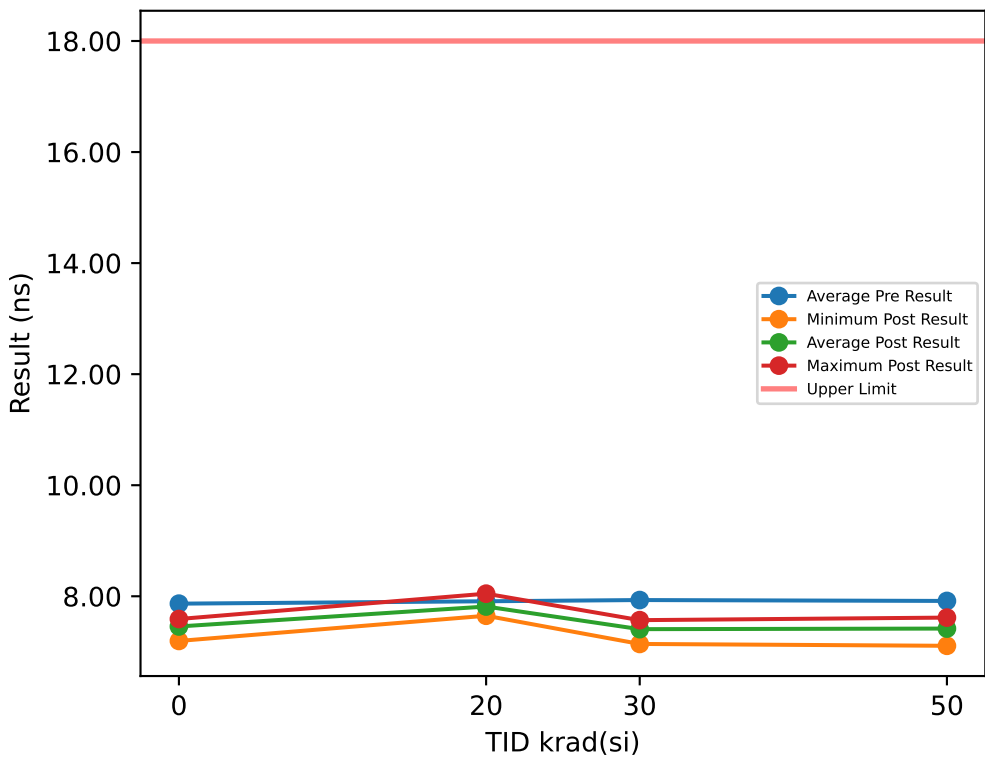
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	8.4697	8.5878	8.7439	0.13638	7.9841	8.1913	8.2878	0.12506	-0.4894	-0.39644	-0.26	0.10568
20	8.331	8.4758	8.6362	0.096021	8.2485	8.4905	8.7645	0.1708	-0.3877	0.0147	0.2953	0.21701
30	8.4335	8.583	8.7483	0.10226	7.8215	7.9818	8.0669	0.080954	-0.809	-0.60112	-0.4453	0.10238
50	8.3264	8.5304	8.6977	0.12685	7.8807	8.0989	8.2739	0.12052	-0.5981	-0.4314	-0.1318	0.17125

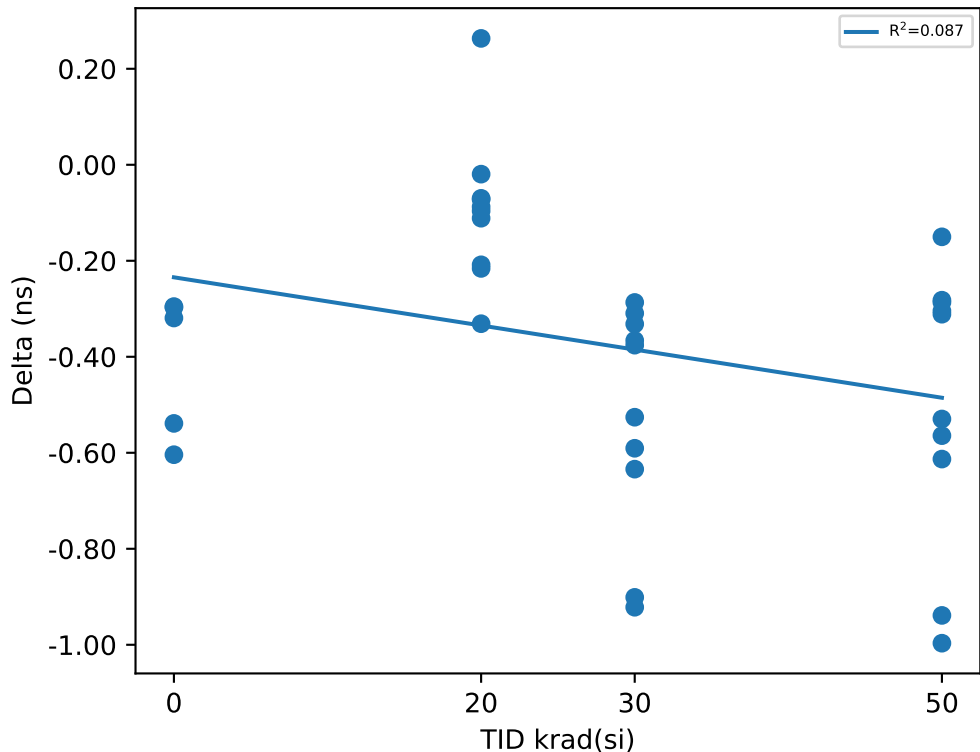
TID vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.8365	7.7489	-0.0876
371	20	Unbiased	7.9045	7.7932	-0.1113
383	20	Unbiased	7.9003	7.8042	-0.0961
390	50	Unbiased	7.8098	7.5231	-0.2867
444	30	Unbiased	7.8129	7.5261	-0.2868
509	30	Unbiased	8.0649	7.4743	-0.5906
558	0	Correlation	7.8078	7.5124	-0.2954
724	20	Biased	8.0169	7.8085	-0.2084
744	50	Biased	7.8215	7.5171	-0.3044
799	50	Biased	8.1092	7.1704	-0.9388
842	30	Unbiased	7.9456	7.5698	-0.3758
930	50	Unbiased	7.768	7.1549	-0.6131
964	20	Unbiased	7.7358	7.9991	0.2633
1056	0	Correlation	7.7839	7.4647	-0.3192
1095	50	Unbiased	8.0528	7.5232	-0.5296
1099	0	Correlation	7.7993	7.1953	-0.604
1215	50	Unbiased	7.8447	7.5334	-0.3113
1229	50	Unbiased	8.1047	7.108	-0.9967
1297	20	Biased	7.8183	7.7988	-0.0195
1331	30	Unbiased	7.8124	7.1783	-0.6341
1337	20	Biased	7.865	7.6491	-0.2159
1359	30	Biased	7.8547	7.523	-0.3317
1375	30	Unbiased	7.8198	7.5104	-0.3094
1398	30	Biased	7.8286	7.4626	-0.366
1401	20	Biased	7.84	7.7679	-0.0721
1411	50	Biased	7.6345	7.4844	-0.1501
1474	50	Biased	8.1165	7.5522	-0.5643
1500	20	Unbiased	8.0653	7.7342	-0.3311
1504	50	Biased	7.8979	7.6158	-0.2821
1662	30	Biased	8.06	7.5341	-0.5259
1703	30	Biased	8.0425	7.1413	-0.9012
1736	30	Biased	8.0777	7.1559	-0.9218
1737	0	Correlation	8.0567	7.5179	-0.5388
1748	0	Correlation	7.8873	7.5903	-0.297
1794	20	Biased	8.1168	8.0469	-0.0699

TID vs Post - Pre Exposure Delta

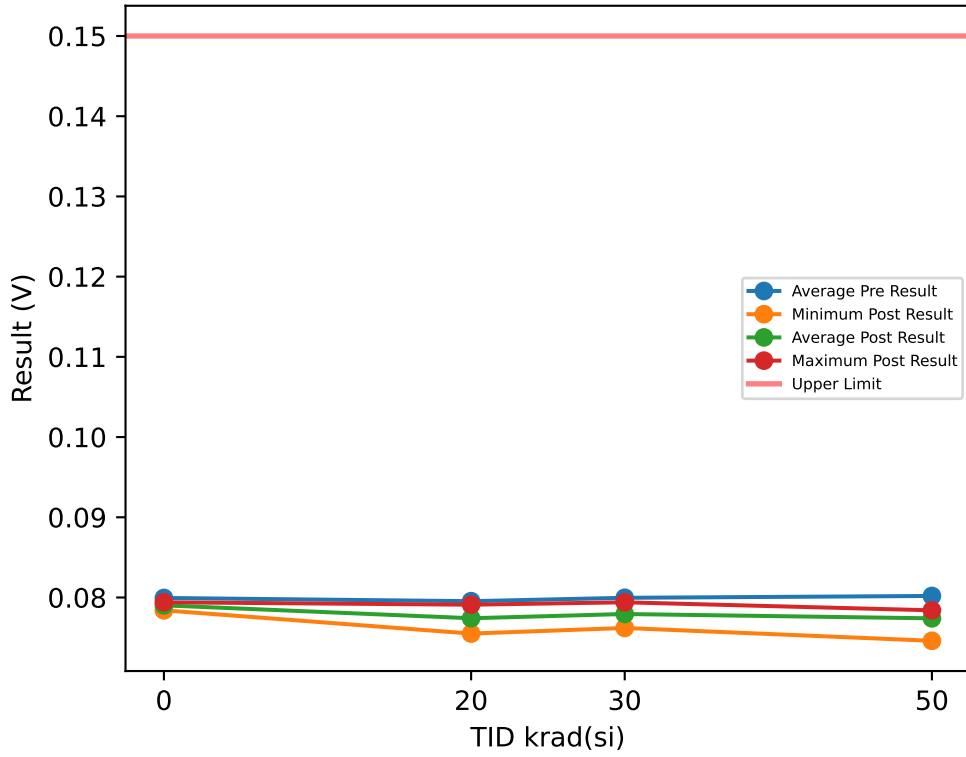


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	7.7839	7.867	8.0567	0.11335	7.1953	7.4561	7.5903	0.15255	-0.604	-0.41088	-0.2954	0.14863
20	7.7358	7.9099	8.1168	0.11996	7.6491	7.8151	8.0469	0.11982	-0.3311	-0.09486	0.2633	0.15591
30	7.8124	7.9319	8.0777	0.11805	7.1413	7.4076	7.5698	0.17466	-0.9218	-0.52433	-0.2868	0.23648
50	7.6345	7.916	8.1165	0.16951	7.108	7.4183	7.6158	0.19248	-0.9967	-0.49771	-0.1501	0.28796

Device Test: 24.5 LEVEL|LOW_LEVEL/OUTL/12/12/0/0/5/500kHz//@OUT_VOL

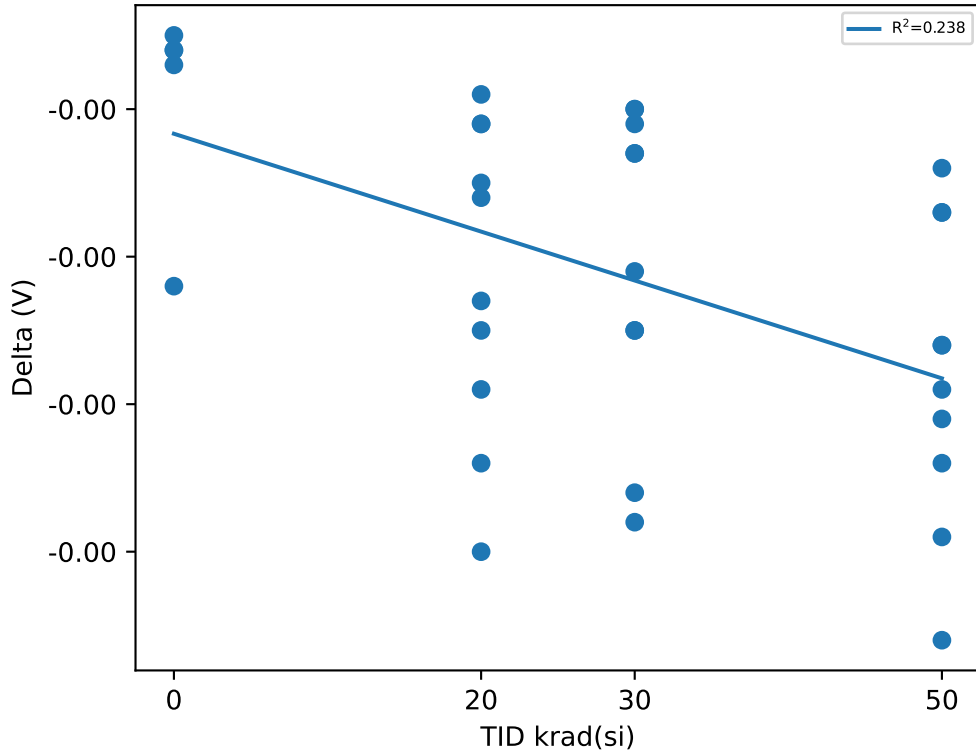
TID vs Result Stats



Test Results (Upper Limit = 0.15 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.0791	0.078	-0.0011
371	20	Unbiased	0.0787	0.0778	-0.0009
383	20	Unbiased	0.0793	0.0782	-0.0011
390	50	Unbiased	0.0799	0.0773	-0.0026
444	30	Unbiased	0.0796	0.0785	-0.0011
509	30	Unbiased	0.0804	0.0794	-0.001
558	0	Correlation	0.08	0.0794	-0.0006
724	20	Biased	0.0795	0.0761	-0.0034
744	50	Biased	0.0811	0.078	-0.0031
799	50	Biased	0.0802	0.0776	-0.0026
842	30	Unbiased	0.08	0.079	-0.001
930	50	Unbiased	0.0797	0.0783	-0.0014
964	20	Unbiased	0.0795	0.078	-0.0015
1056	0	Correlation	0.0796	0.0791	-0.0005
1095	50	Unbiased	0.0801	0.0784	-0.0017
1099	0	Correlation	0.0791	0.0784	-0.0007
1215	50	Unbiased	0.0798	0.0764	-0.0034
1229	50	Unbiased	0.0799	0.0782	-0.0017
1297	20	Biased	0.0795	0.0755	-0.004
1331	30	Unbiased	0.0794	0.0781	-0.0013
1337	20	Biased	0.0797	0.0772	-0.0025
1359	30	Biased	0.08	0.0762	-0.0038
1375	30	Unbiased	0.08	0.0787	-0.0013
1398	30	Biased	0.0795	0.0774	-0.0021
1401	20	Biased	0.0789	0.076	-0.0029
1411	50	Biased	0.0792	0.0746	-0.0046
1474	50	Biased	0.0807	0.0768	-0.0039
1500	20	Unbiased	0.0807	0.0791	-0.0016
1504	50	Biased	0.0813	0.0784	-0.0029
1662	30	Biased	0.0803	0.0767	-0.0036
1703	30	Biased	0.0799	0.0774	-0.0025
1736	30	Biased	0.0805	0.078	-0.0025
1737	0	Correlation	0.08	0.0794	-0.0006
1748	0	Correlation	0.081	0.0788	-0.0022
1794	20	Biased	0.0805	0.0782	-0.0023

TID vs Post - Pre Exposure Delta

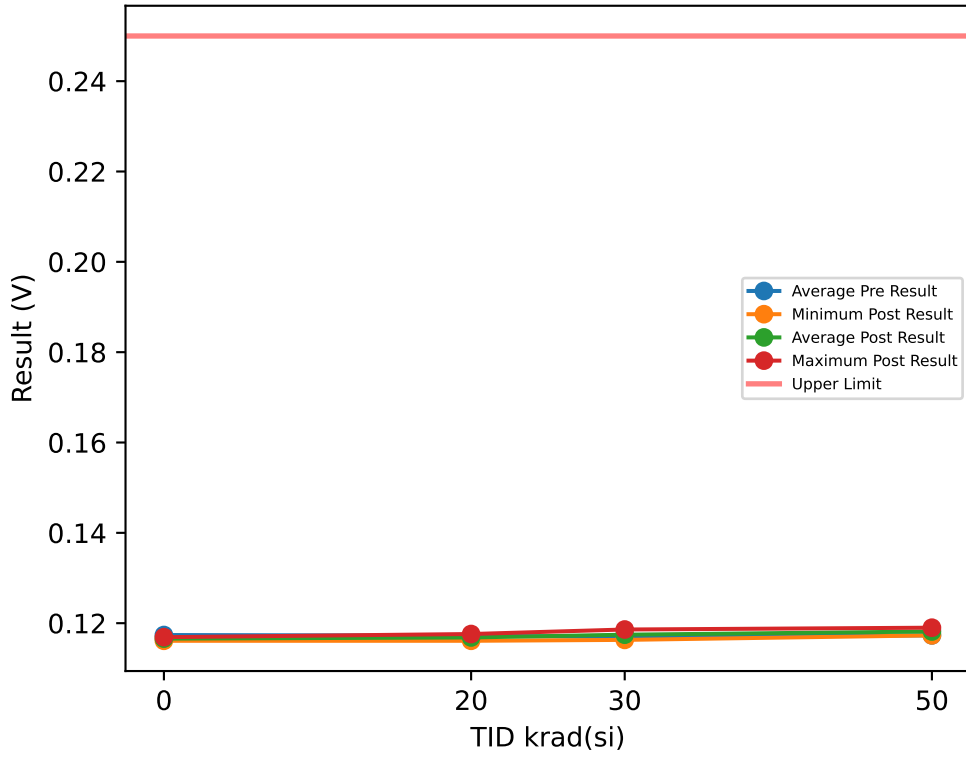


Test Statistics (V)

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	0.0791	0.07994	0.081	0.00069857	0.0784	0.07902	0.0794	0.00042661	-0.0022	-0.00092	-0.0005	0.00071903
20	0.0787	0.07954	0.0807	0.00063805	0.0755	0.07741	0.0791	0.0011714	-0.004	-0.00213	-0.0009	0.0010636
30	0.0794	0.07996	0.0805	0.00037476	0.0762	0.07794	0.0794	0.0010178	-0.0038	-0.00202	-0.001	0.0010591
50	0.0792	0.08019	0.0813	0.00065566	0.0746	0.0774	0.0784	0.0012046	-0.0046	-0.00279	-0.0014	0.0010203

Device Test: 24.6 LEVEL|HIGH_LEVEL/OUTH/12/12/0/0/5/500kHz//@OUT_VOH

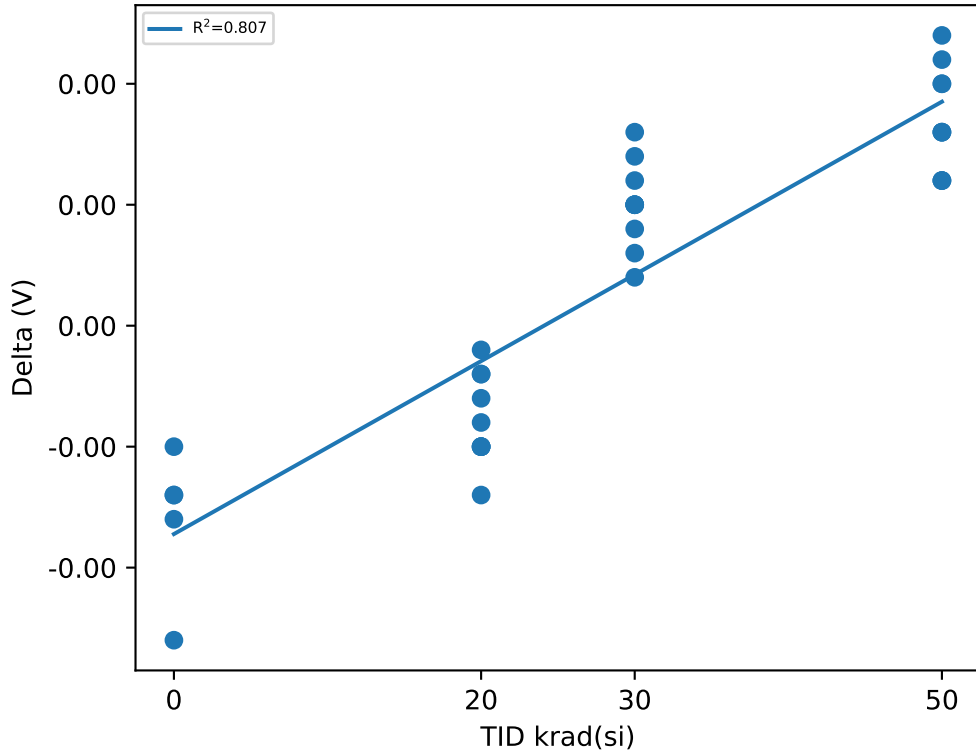
TID vs Result Stats



Test Results (Upper Limit = 0.25 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.1166	0.1161	-0.0005
371	20	Unbiased	0.117	0.1163	-0.0007
383	20	Unbiased	0.1174	0.1169	-0.0005
390	50	Unbiased	0.1177	0.1185	0.0008
444	30	Unbiased	0.116	0.1163	0.0003
509	30	Unbiased	0.1164	0.1168	0.0004
558	0	Correlation	0.1169	0.1161	-0.0008
724	20	Biased	0.118	0.1176	-0.0004
744	50	Biased	0.1174	0.1185	0.0011
799	50	Biased	0.118	0.119	0.001
842	30	Unbiased	0.1181	0.1186	0.0005
930	50	Unbiased	0.1167	0.1177	0.001
964	20	Unbiased	0.1178	0.1176	-0.0002
1056	0	Correlation	0.1175	0.1168	-0.0007
1095	50	Unbiased	0.1173	0.1179	0.0006
1099	0	Correlation	0.1179	0.1166	-0.0013
1215	50	Unbiased	0.1167	0.1173	0.0006
1229	50	Unbiased	0.1173	0.1179	0.0006
1297	20	Biased	0.118	0.1175	-0.0005
1331	30	Unbiased	0.117	0.1176	0.0006
1337	20	Biased	0.1175	0.117	-0.0005
1359	30	Biased	0.1166	0.1171	0.0005
1375	30	Unbiased	0.1173	0.1175	0.0002
1398	30	Biased	0.1163	0.1168	0.0005
1401	20	Biased	0.1165	0.1163	-0.0002
1411	50	Biased	0.1174	0.1182	0.0008
1474	50	Biased	0.1175	0.1187	0.0012
1500	20	Unbiased	0.1164	0.1161	-0.0003
1504	50	Biased	0.1171	0.1179	0.0008
1662	30	Biased	0.1175	0.118	0.0005
1703	30	Biased	0.1168	0.1176	0.0008
1736	30	Biased	0.1175	0.1182	0.0007
1737	0	Correlation	0.1176	0.1169	-0.0007
1748	0	Correlation	0.117	0.1165	-0.0005
1794	20	Biased	0.1171	0.117	-0.0001

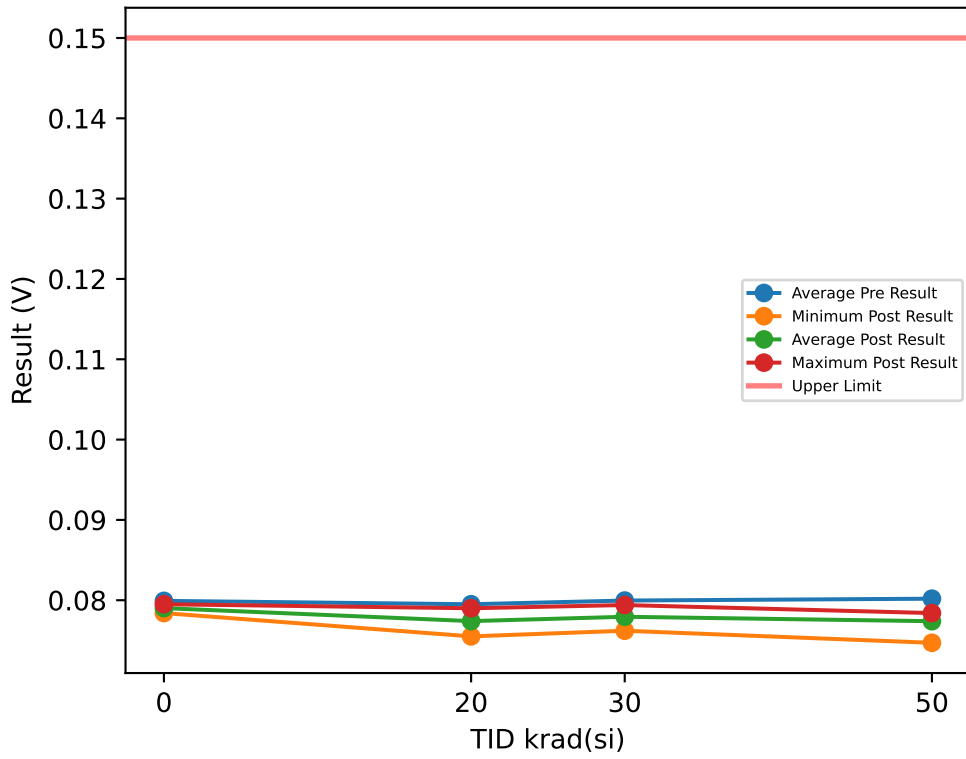
TID vs Post - Pre Exposure Delta



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	0.1169	0.11738	0.1179	0.00042071	0.1161	0.11658	0.1169	0.00031145	-0.0013	-0.0008	-0.0005	0.0003
20	0.1164	0.11723	0.118	0.00060562	0.1161	0.11684	0.1176	0.00060773	-0.0007	-0.00039	-0.0001	0.00018529
30	0.116	0.11695	0.1181	0.00065192	0.1163	0.11745	0.1186	0.00070907	0.0002	0.0005	0.0008	0.00017638
50	0.1167	0.11731	0.118	0.00040401	0.1173	0.11816	0.119	0.00051467	0.0006	0.00085	0.0012	0.00021731

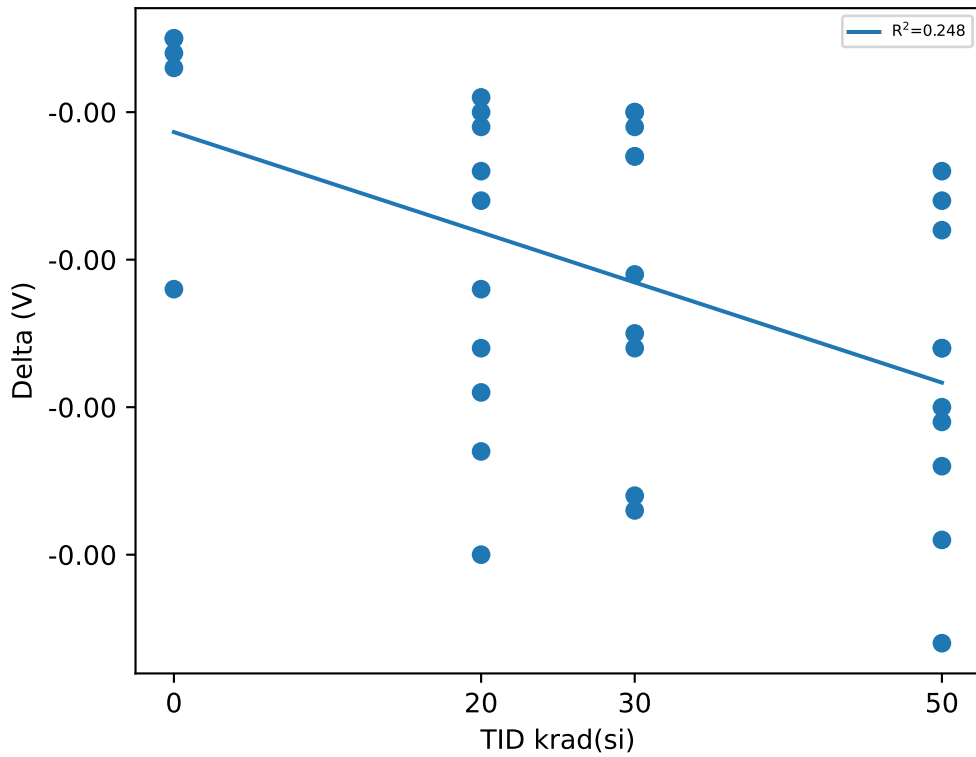
TID vs Result Stats



Test Results (Upper Limit = 0.15 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.0791	0.0781	-0.001
371	20	Unbiased	0.0787	0.0778	-0.0009
383	20	Unbiased	0.0793	0.0782	-0.0011
390	50	Unbiased	0.0799	0.0773	-0.0026
444	30	Unbiased	0.0796	0.0785	-0.0011
509	30	Unbiased	0.0804	0.0794	-0.001
558	0	Correlation	0.0799	0.0794	-0.0005
724	20	Biased	0.0794	0.0761	-0.0033
744	50	Biased	0.0811	0.078	-0.0031
799	50	Biased	0.0802	0.0776	-0.0026
842	30	Unbiased	0.08	0.079	-0.001
930	50	Unbiased	0.0797	0.0783	-0.0014
964	20	Unbiased	0.0794	0.078	-0.0014
1056	0	Correlation	0.0796	0.079	-0.0006
1095	50	Unbiased	0.08	0.0784	-0.0016
1099	0	Correlation	0.0791	0.0784	-0.0007
1215	50	Unbiased	0.0798	0.0764	-0.0034
1229	50	Unbiased	0.0799	0.0781	-0.0018
1297	20	Biased	0.0795	0.0755	-0.004
1331	30	Unbiased	0.0794	0.0781	-0.0013
1337	20	Biased	0.0797	0.0771	-0.0026
1359	30	Biased	0.0799	0.0762	-0.0037
1375	30	Unbiased	0.0801	0.0788	-0.0013
1398	30	Biased	0.0795	0.0774	-0.0021
1401	20	Biased	0.0789	0.076	-0.0029
1411	50	Biased	0.0793	0.0747	-0.0046
1474	50	Biased	0.0807	0.0768	-0.0039
1500	20	Unbiased	0.0806	0.079	-0.0016
1504	50	Biased	0.0813	0.0783	-0.003
1662	30	Biased	0.0803	0.0767	-0.0036
1703	30	Biased	0.0799	0.0773	-0.0026
1736	30	Biased	0.0805	0.078	-0.0025
1737	0	Correlation	0.08	0.0795	-0.0005
1748	0	Correlation	0.081	0.0788	-0.0022
1794	20	Biased	0.0804	0.0782	-0.0022

TID vs Post - Pre Exposure Delta

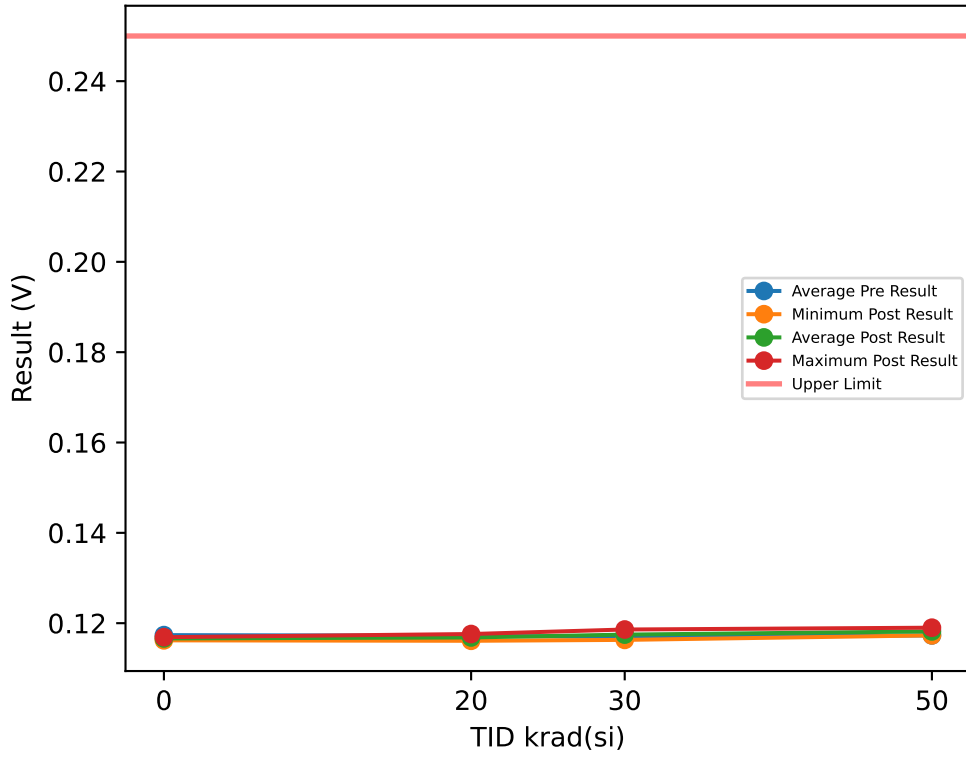


Test Statistics (V)

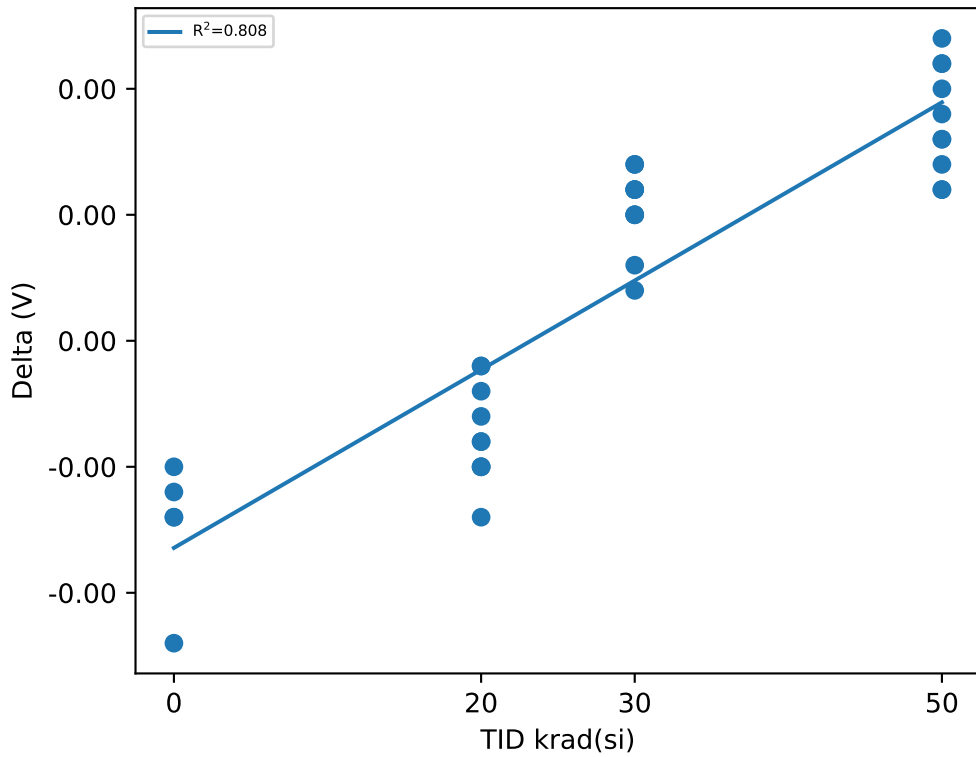
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	0.0791	0.07992	0.081	0.00069785	0.0784	0.07902	0.0795	0.00044944	-0.0022	-0.0009	-0.0005	0.00073144
20	0.0787	0.0795	0.0806	0.00060369	0.0755	0.0774	0.079	0.0011643	-0.004	-0.0021	-0.0009	0.0010719
30	0.0794	0.07996	0.0805	0.00037771	0.0762	0.07794	0.0794	0.001033	-0.0037	-0.00202	-0.001	0.0010465
50	0.0793	0.08019	0.0813	0.00064196	0.0747	0.07739	0.0784	0.0011628	-0.0046	-0.0028	-0.0014	0.0010231

Device Test: 24.8 LEVEL|HIGH_LEVEL/OUTH/14/14/0/0/5/500kHz//@OUT_VOH

TID vs Result Stats



TID vs Post - Pre Exposure Delta



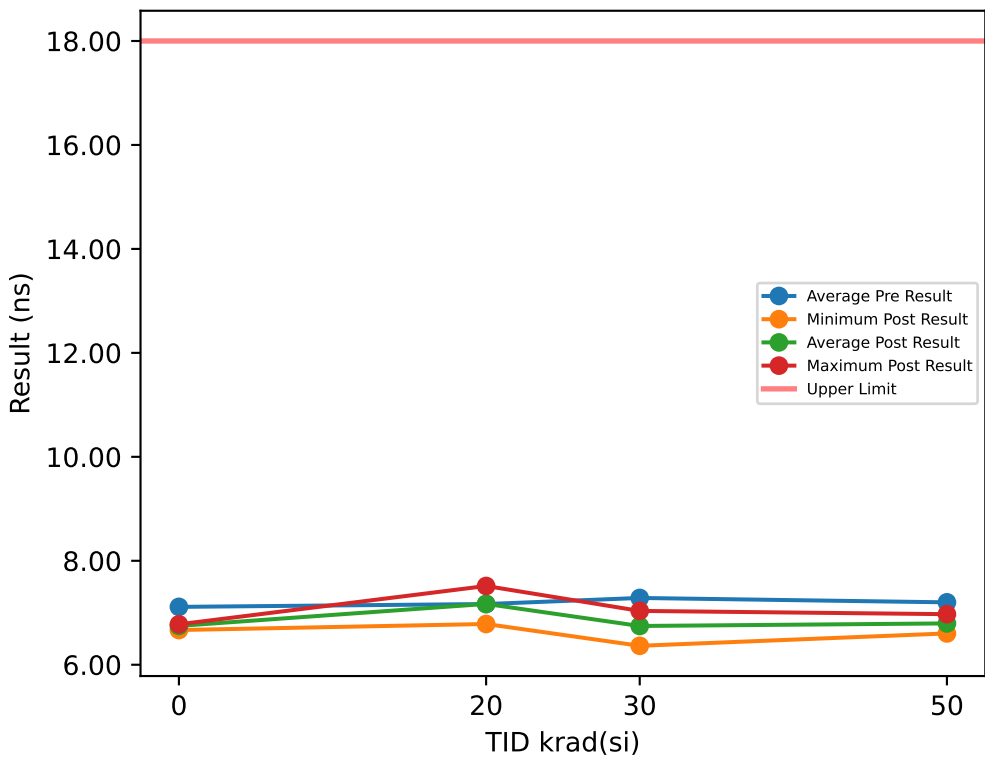
Test Results (Upper Limit = 0.25 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.1166	0.1161	-0.0005
371	20	Unbiased	0.117	0.1163	-0.0007
383	20	Unbiased	0.1174	0.1169	-0.0005
390	50	Unbiased	0.1177	0.1185	0.0008
444	30	Unbiased	0.116	0.1163	0.0003
509	30	Unbiased	0.1164	0.1169	0.0005
558	0	Correlation	0.1169	0.1162	-0.0007
724	20	Biased	0.118	0.1176	-0.0004
744	50	Biased	0.1174	0.1185	0.0011
799	50	Biased	0.1179	0.119	0.0011
842	30	Unbiased	0.1181	0.1186	0.0005
930	50	Unbiased	0.1167	0.1177	0.001
964	20	Unbiased	0.1178	0.1176	-0.0002
1056	0	Correlation	0.1175	0.1169	-0.0006
1095	50	Unbiased	0.1172	0.1179	0.0007
1099	0	Correlation	0.1178	0.1166	-0.0012
1215	50	Unbiased	0.1167	0.1173	0.0006
1229	50	Unbiased	0.1173	0.1179	0.0006
1297	20	Biased	0.118	0.1175	-0.0005
1331	30	Unbiased	0.117	0.1176	0.0006
1337	20	Biased	0.1174	0.117	-0.0004
1359	30	Biased	0.1166	0.1172	0.0006
1375	30	Unbiased	0.1173	0.1175	0.0002
1398	30	Biased	0.1163	0.1169	0.0006
1401	20	Biased	0.1165	0.1164	-0.0001
1411	50	Biased	0.1175	0.1183	0.0008
1474	50	Biased	0.1175	0.1187	0.0012
1500	20	Unbiased	0.1164	0.1161	-0.0003
1504	50	Biased	0.1171	0.118	0.0009
1662	30	Biased	0.1175	0.118	0.0005
1703	30	Biased	0.1168	0.1175	0.0007
1736	30	Biased	0.1175	0.1182	0.0007
1737	0	Correlation	0.1176	0.1169	-0.0007
1748	0	Correlation	0.117	0.1165	-0.0005
1794	20	Biased	0.117	0.1169	-0.0001

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	0.1169	0.11736	0.1178	0.00039115	0.1162	0.11662	0.1169	0.00029496	-0.0012	-0.00074	-0.0005	0.00027019
20	0.1164	0.11721	0.118	0.00060452	0.1161	0.11684	0.1176	0.00059666	-0.0007	-0.00037	-0.0001	0.00019465
30	0.116	0.11695	0.1181	0.00065192	0.1163	0.11747	0.1186	0.00068321	0.0002	0.00052	0.0007	0.00016193
50	0.1167	0.1173	0.1179	0.00039158	0.1173	0.11818	0.119	0.00051164	0.0006	0.00088	0.0012	0.00021499

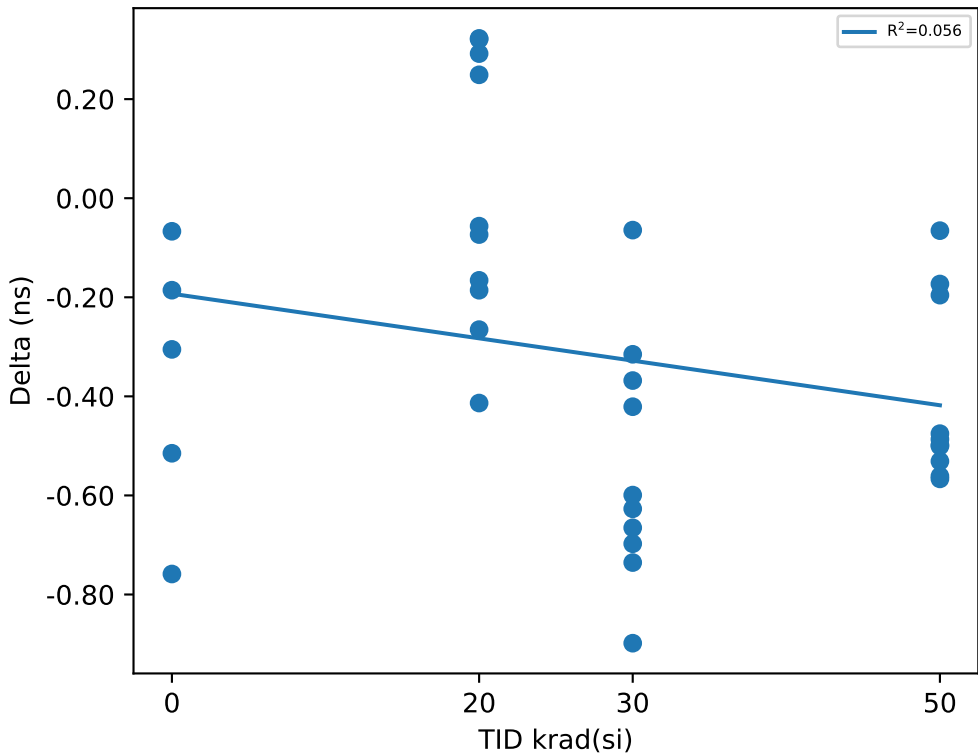
TID vs Result Stats



Test Results (Upper Limit = 18.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	7.3568	7.0915	-0.2653
371	20	Unbiased	7.0845	7.4071	0.3226
383	20	Unbiased	7.1943	7.5152	0.3209
390	50	Unbiased	7.1462	6.973	-0.1732
444	30	Unbiased	7.2745	6.9064	-0.3681
509	30	Unbiased	7.166	6.8509	-0.3151
558	0	Correlation	6.8178	6.751	-0.0668
724	20	Biased	7.312	7.1262	-0.1858
744	50	Biased	7.2201	6.7197	-0.5004
799	50	Biased	7.3611	6.8	-0.5611
842	30	Unbiased	7.1002	7.0358	-0.0644
930	50	Unbiased	6.7982	6.6025	-0.1957
964	20	Unbiased	7.0302	7.2793	0.2491
1056	0	Correlation	7.5252	6.7666	-0.7586
1095	50	Unbiased	7.3032	6.8049	-0.4983
1099	0	Correlation	6.9728	6.6676	-0.3052
1215	50	Unbiased	7.3348	6.7682	-0.5666
1229	50	Unbiased	7.2966	6.7656	-0.531
1297	20	Biased	7.249	7.1756	-0.0734
1331	30	Unbiased	7.3261	6.7268	-0.5993
1337	20	Biased	6.9206	7.2125	0.2919
1359	30	Biased	7.3259	6.6606	-0.6653
1375	30	Unbiased	7.4538	6.7563	-0.6975
1398	30	Biased	7.2628	6.3645	-0.8983
1401	20	Biased	7.0625	6.8967	-0.1658
1411	50	Biased	6.7802	6.7147	-0.0655
1474	50	Biased	7.3256	6.8389	-0.4867
1500	20	Unbiased	7.1974	6.7839	-0.4135
1504	50	Biased	7.4394	6.9641	-0.4753
1662	30	Biased	7.3828	6.7558	-0.627
1703	30	Biased	7.3019	6.5664	-0.7355
1736	30	Biased	7.2548	6.8339	-0.4209
1737	0	Correlation	7.2929	6.778	-0.5149
1748	0	Correlation	6.9579	6.7722	-0.1857
1794	20	Biased	7.2701	7.2137	-0.0564

TID vs Post - Pre Exposure Delta

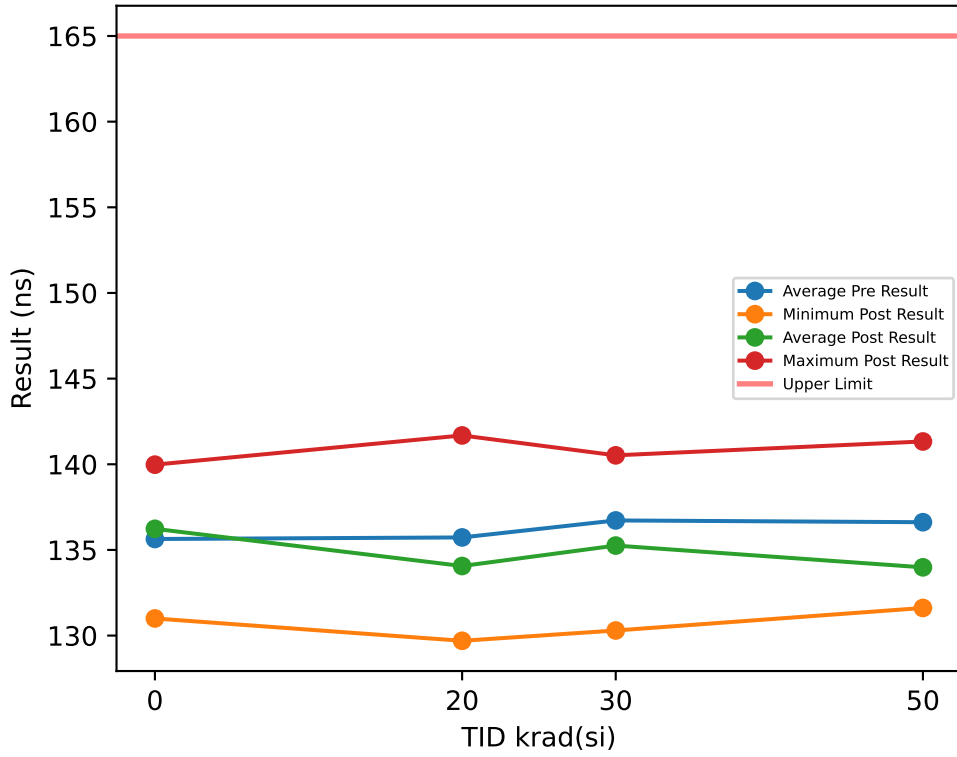


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	6.8178	7.1133	7.5252	0.28859	6.6676	6.7471	6.778	0.045554	-0.7586	-0.36624	-0.0668	0.27479
20	6.9206	7.1677	7.3568	0.13873	6.7839	7.1702	7.5152	0.21677	-0.4135	0.00243	0.3226	0.27207
30	7.1002	7.2849	7.4538	0.10085	6.3645	6.7457	7.0358	0.18682	-0.8983	-0.53914	-0.0644	0.24465
50	6.7802	7.2005	7.4394	0.2305	6.6025	6.7952	6.973	0.11209	-0.5666	-0.40538	-0.0655	0.18517

Device Test: 26.3 TIMING|MIN/OUT/12/12/0/0/5/500kHz//@TON_MIN

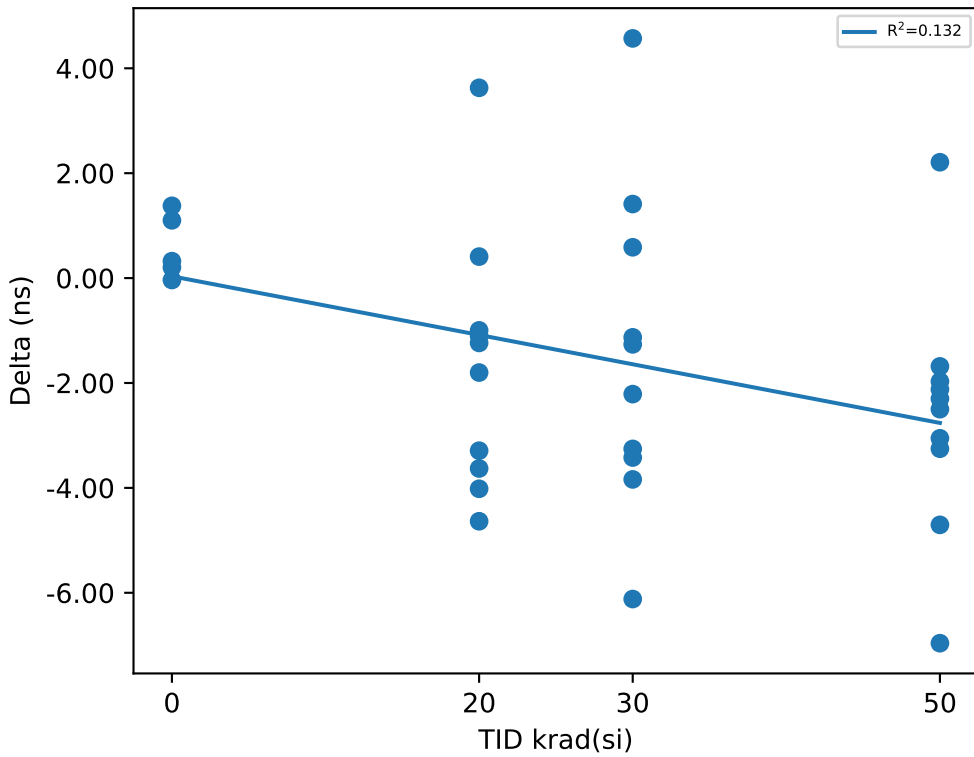
TID vs Result Stats



Test Results (Upper Limit = 165.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	134.94	131.65	-3.291
371	20	Unbiased	134.86	130.22	-4.6363
383	20	Unbiased	133.33	129.7	-3.6301
390	50	Unbiased	135.82	132.57	-3.253
444	30	Unbiased	134.16	130.91	-3.2567
509	30	Unbiased	135.83	132	-3.8383
558	0	Correlation	136.67	136.99	0.3227
724	20	Biased	138.06	141.68	3.6277
744	50	Biased	136.48	134.36	-2.121
799	50	Biased	134.4	131.9	-2.4994
842	30	Unbiased	135.91	136.5	0.5873
930	50	Unbiased	135.72	134.04	-1.6833
964	20	Unbiased	130.25	130.66	0.4098
1056	0	Correlation	131.04	131	-0.0368
1095	50	Unbiased	138.6	135.55	-3.0547
1099	0	Correlation	136.1	137.48	1.3779
1215	50	Unbiased	133.95	131.98	-1.97
1229	50	Unbiased	137.6	132.9	-4.7051
1297	20	Biased	136.99	132.97	-4.017
1331	30	Unbiased	140.92	139.79	-1.1295
1337	20	Biased	138.8	137.56	-1.2363
1359	30	Biased	135.95	140.52	4.5699
1375	30	Unbiased	133.72	130.3	-3.4214
1398	30	Biased	135.34	136.76	1.4117
1401	20	Biased	138.27	137.17	-1.1027
1411	50	Biased	138.57	131.61	-6.9611
1474	50	Biased	139.12	141.33	2.2089
1500	20	Unbiased	136.52	134.72	-1.8011
1504	50	Biased	135.91	133.61	-2.2994
1662	30	Biased	138.6	137.34	-1.2635
1703	30	Biased	137.5	135.29	-2.2119
1736	30	Biased	139.27	133.15	-6.1193
1737	0	Correlation	138.88	139.98	1.1013
1748	0	Correlation	135.51	135.72	0.2036
1794	20	Biased	135.28	134.28	-0.9969

TID vs Post - Pre Exposure Delta

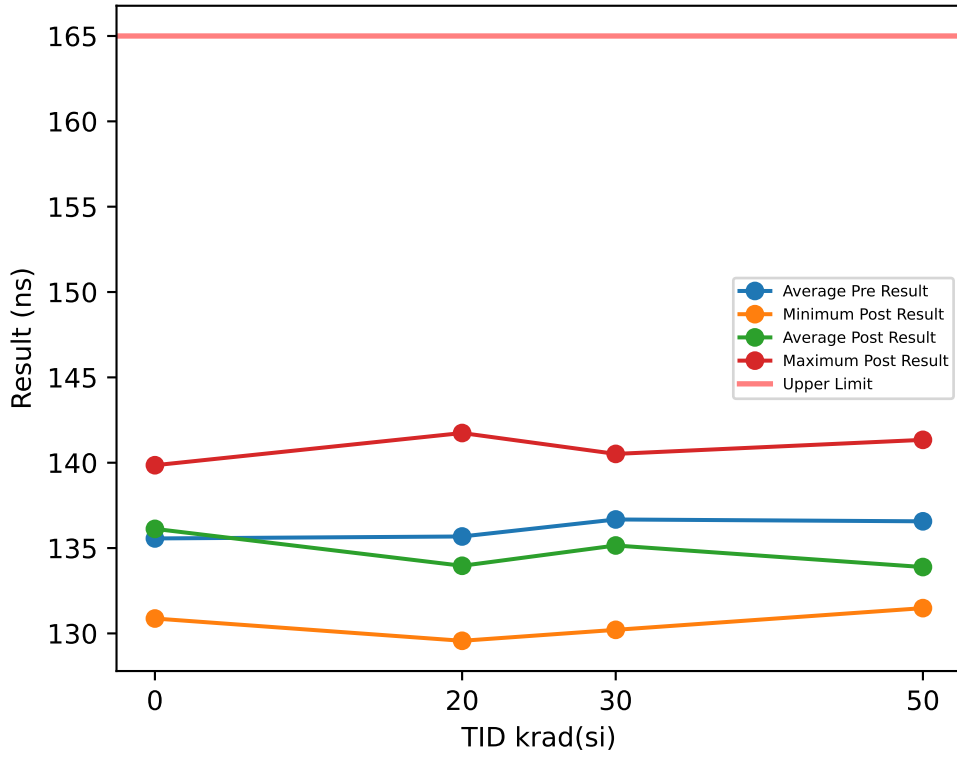


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	131.04	135.64	138.88	2.8701	131	136.23	139.98	3.3089	-0.0368	0.59374	1.3779	0.61151
20	130.25	135.73	138.8	2.6002	129.7	134.06	141.68	3.8421	-4.6363	-1.6674	3.6277	2.4529
30	133.72	136.72	140.92	2.3038	130.3	135.25	140.52	3.5748	-6.1193	-1.4672	4.5699	3.0542
50	133.95	136.62	139.12	1.7943	131.61	133.98	141.33	2.8647	-6.9611	-2.6338	2.2089	2.3277

Device Test: 26.4 TIMING|MIN/OUT/14/14/0/0/5/500kHz//@TON_MIN

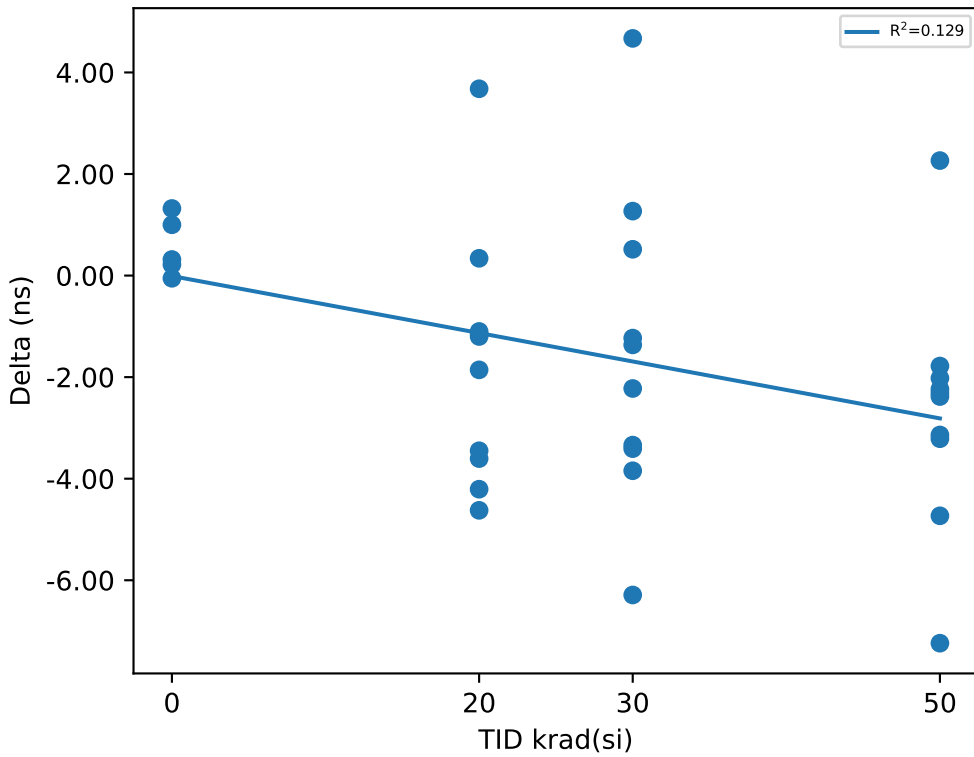
TID vs Result Stats



Test Results (Upper Limit = 165.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	134.86	131.41	-3.4499
371	20	Unbiased	134.76	130.14	-4.6231
383	20	Unbiased	133.17	129.57	-3.6041
390	50	Unbiased	135.69	132.48	-3.2126
444	30	Unbiased	134.05	130.71	-3.3388
509	30	Unbiased	135.72	131.88	-3.8436
558	0	Correlation	136.59	136.91	0.3165
724	20	Biased	138.06	141.74	3.6787
744	50	Biased	136.43	134.2	-2.235
799	50	Biased	134.23	131.85	-2.3821
842	30	Unbiased	135.82	136.34	0.5178
930	50	Unbiased	135.67	133.89	-1.7816
964	20	Unbiased	130.08	130.42	0.3402
1056	0	Correlation	130.93	130.87	-0.0532
1095	50	Unbiased	138.55	135.41	-3.1388
1099	0	Correlation	136.06	137.38	1.3212
1215	50	Unbiased	133.85	131.83	-2.0201
1229	50	Unbiased	137.65	132.91	-4.7309
1297	20	Biased	137.07	132.86	-4.2069
1331	30	Unbiased	140.96	139.72	-1.2311
1337	20	Biased	138.83	137.64	-1.1995
1359	30	Biased	135.85	140.52	4.6706
1375	30	Unbiased	133.62	130.21	-3.4083
1398	30	Biased	135.32	136.58	1.2691
1401	20	Biased	138.25	137.1	-1.1486
1411	50	Biased	138.72	131.48	-7.2395
1474	50	Biased	139.08	141.34	2.2646
1500	20	Unbiased	136.47	134.62	-1.8567
1504	50	Biased	135.81	133.5	-2.3124
1662	30	Biased	138.62	137.25	-1.3651
1703	30	Biased	137.52	135.3	-2.2236
1736	30	Biased	139.29	133	-6.2901
1737	0	Correlation	138.85	139.85	1.0005
1748	0	Correlation	135.39	135.6	0.2171
1794	20	Biased	135.22	134.12	-1.1003

TID vs Post - Pre Exposure Delta

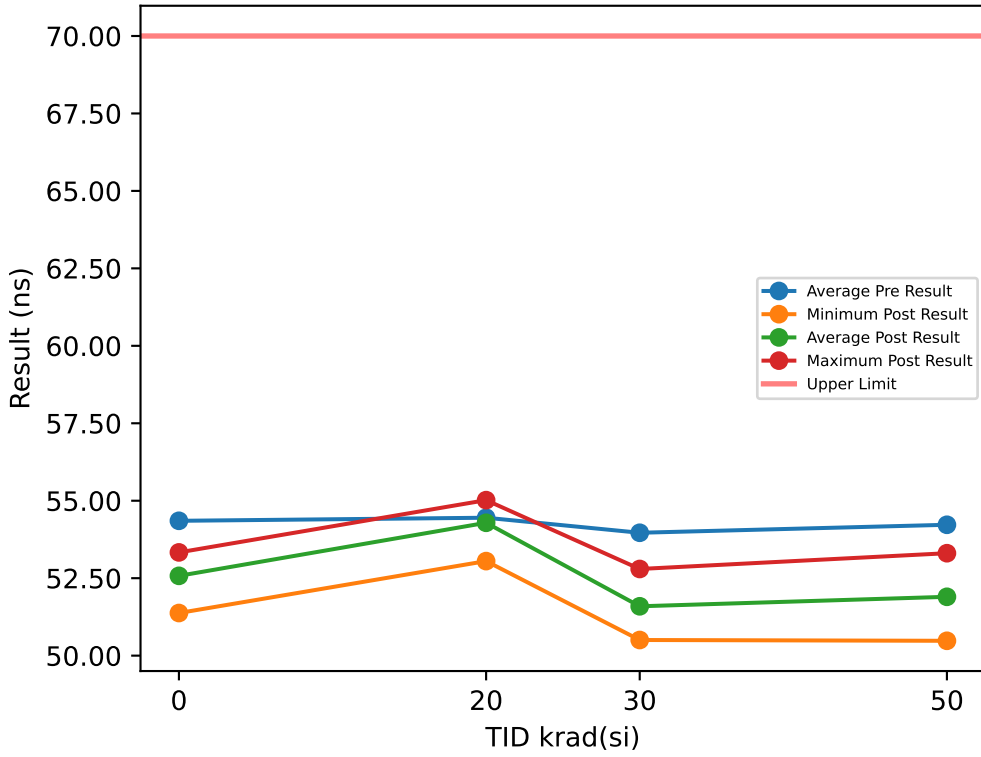


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	130.93	135.56	138.85	2.9008	130.87	136.12	139.85	3.3148	-0.0532	0.56042	1.3212	0.57584
20	130.08	135.68	138.83	2.6691	129.57	133.96	141.74	3.9226	-4.6231	-1.717	3.6787	2.4843
30	133.62	136.68	140.96	2.3586	130.21	135.15	140.52	3.6066	-6.2901	-1.5243	4.6706	3.0891
50	133.85	136.57	139.08	1.8578	131.48	133.89	141.34	2.8916	-7.2395	-2.6788	2.2646	2.3945

Device Test: 26.5 TIMING|EXT/OUT/14/14/0/0/5/500kHz//@T_OFF_EXTENDER

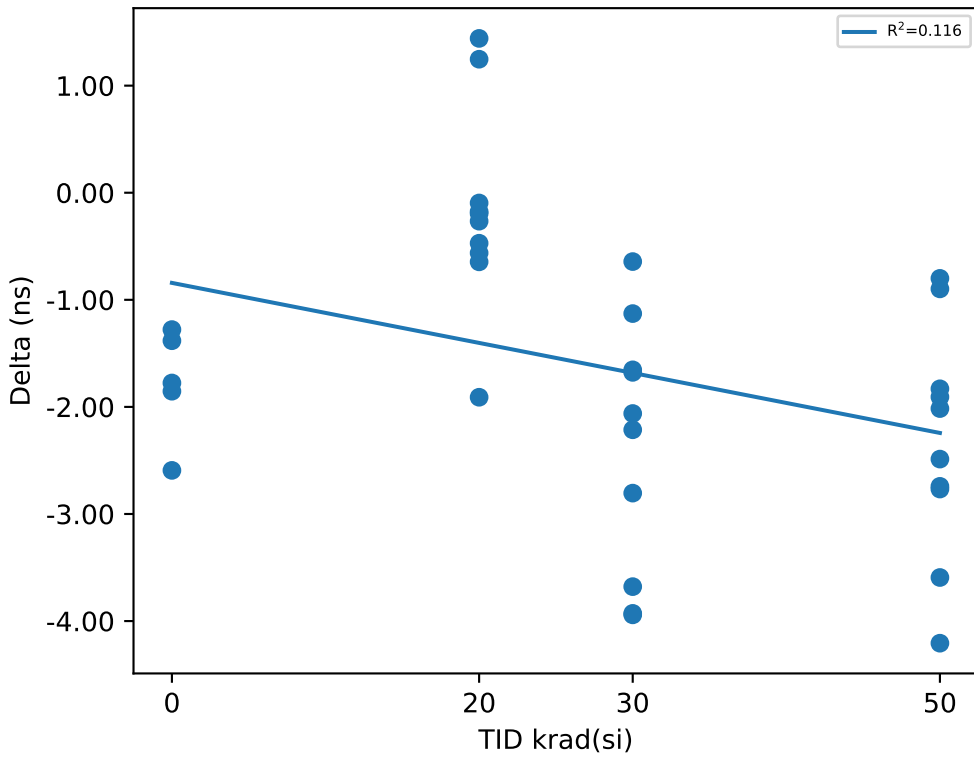
TID vs Result Stats



Test Results (Upper Limit = 70.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	54.595	54.419	-0.1761
371	20	Unbiased	54.865	54.394	-0.4716
383	20	Unbiased	55.581	55.019	-0.5625
390	50	Unbiased	54.895	52.128	-2.7671
444	30	Unbiased	54.556	50.614	-3.9419
509	30	Unbiased	53.197	50.983	-2.2136
558	0	Correlation	54.667	53.285	-1.382
724	20	Biased	53.428	54.869	1.4412
744	50	Biased	55.322	53.306	-2.0155
799	50	Biased	53.226	51.319	-1.9071
842	30	Unbiased	54.733	51.055	-3.6784
930	50	Unbiased	54.861	51.268	-3.593
964	20	Unbiased	55.21	53.3	-1.9098
1056	0	Correlation	54.61	53.332	-1.2779
1095	50	Unbiased	53.157	52.259	-0.8979
1099	0	Correlation	54.731	52.138	-2.5928
1215	50	Unbiased	54.756	52.014	-2.7419
1229	50	Unbiased	53.255	51.424	-1.831
1297	20	Biased	55.093	54.447	-0.6455
1331	30	Unbiased	54.719	51.914	-2.8051
1337	20	Biased	54.801	54.536	-0.2657
1359	30	Biased	54.601	52.539	-2.0616
1375	30	Unbiased	54.433	50.505	-3.9281
1398	30	Biased	54.475	52.797	-1.6775
1401	20	Biased	54.76	54.664	-0.0957
1411	50	Biased	54.878	52.391	-2.4874
1474	50	Biased	53.201	52.401	-0.7997
1500	20	Unbiased	52.934	54.181	1.2468
1504	50	Biased	54.686	50.479	-4.2066
1662	30	Biased	53.014	52.371	-0.6429
1703	30	Biased	52.784	51.13	-1.6539
1736	30	Biased	53.148	52.02	-1.1285
1737	0	Correlation	53.229	51.376	-1.8536
1748	0	Correlation	54.523	52.746	-1.7766
1794	20	Biased	53.246	53.051	-0.1944

TID vs Post - Pre Exposure Delta

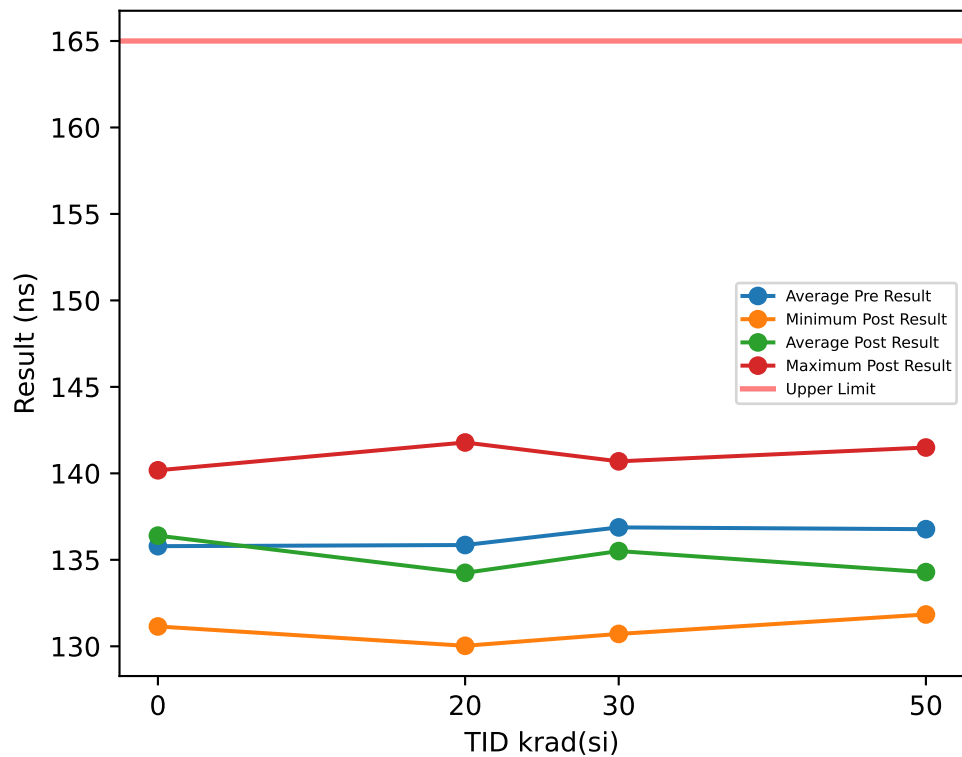


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	53.229	54.352	54.731	0.63221	51.376	52.575	53.332	0.82689	-2.5928	-1.7766	-1.2779	0.51878
20	52.934	54.451	55.581	0.91151	53.051	54.288	55.019	0.63638	-1.9098	-0.16333	1.4412	0.94963
30	52.784	53.966	54.733	0.81288	50.505	51.593	52.797	0.83371	-3.9419	-2.3732	-0.6429	1.1755
50	53.157	54.224	55.322	0.88855	50.479	51.899	53.306	0.79202	-4.2066	-2.3247	-0.7997	1.0761

Device Test: 26.7 TIMING|MIN/OUT/8/8/0/0/5/500kHz//@TON_MIN

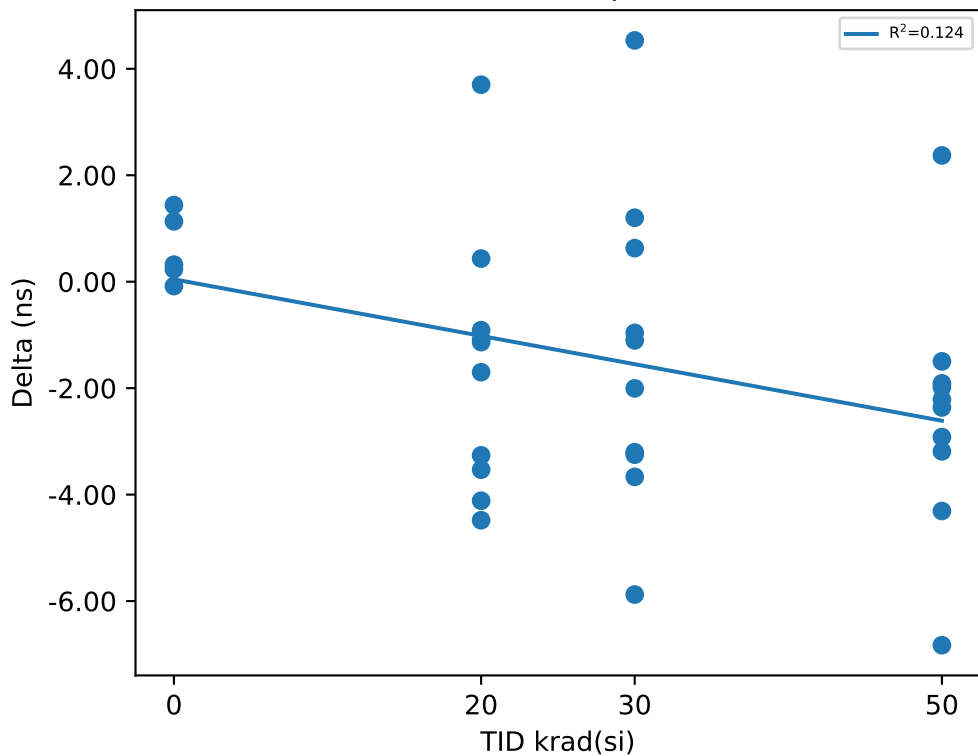
TID vs Result Stats



Test Results (Upper Limit = 165.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	135.18	131.92	-3.262
371	20	Unbiased	135.01	130.53	-4.4814
383	20	Unbiased	133.56	130.03	-3.531
390	50	Unbiased	136.05	132.86	-3.1871
444	30	Unbiased	134.4	131.15	-3.2495
509	30	Unbiased	135.97	132.3	-3.6664
558	0	Correlation	136.82	137.14	0.321
724	20	Biased	138.08	141.78	3.7014
744	50	Biased	136.62	134.64	-1.9833
799	50	Biased	134.59	132.22	-2.3628
842	30	Unbiased	136.09	136.72	0.6303
930	50	Unbiased	135.88	134.38	-1.4972
964	20	Unbiased	130.5	130.93	0.4346
1056	0	Correlation	131.23	131.15	-0.0825
1095	50	Unbiased	138.67	135.75	-2.919
1099	0	Correlation	136.2	137.64	1.4403
1215	50	Unbiased	134.22	132.31	-1.9102
1229	50	Unbiased	137.73	133.42	-4.308
1297	20	Biased	136.98	132.87	-4.1145
1331	30	Unbiased	141.04	140.08	-0.9609
1337	20	Biased	138.8	137.66	-1.1353
1359	30	Biased	136.16	140.69	4.5333
1375	30	Unbiased	133.92	130.72	-3.2034
1398	30	Biased	135.6	136.8	1.2013
1401	20	Biased	138.41	137.32	-1.0847
1411	50	Biased	138.67	131.84	-6.8288
1474	50	Biased	139.12	141.49	2.3723
1500	20	Unbiased	136.65	134.95	-1.7001
1504	50	Biased	136.19	133.98	-2.2131
1662	30	Biased	138.63	137.53	-1.1021
1703	30	Biased	137.61	135.61	-2.0037
1736	30	Biased	139.33	133.45	-5.8773
1737	0	Correlation	139.04	140.18	1.1334
1748	0	Correlation	135.66	135.89	0.2348
1794	20	Biased	135.39	134.48	-0.9107

TID vs Post - Pre Exposure Delta

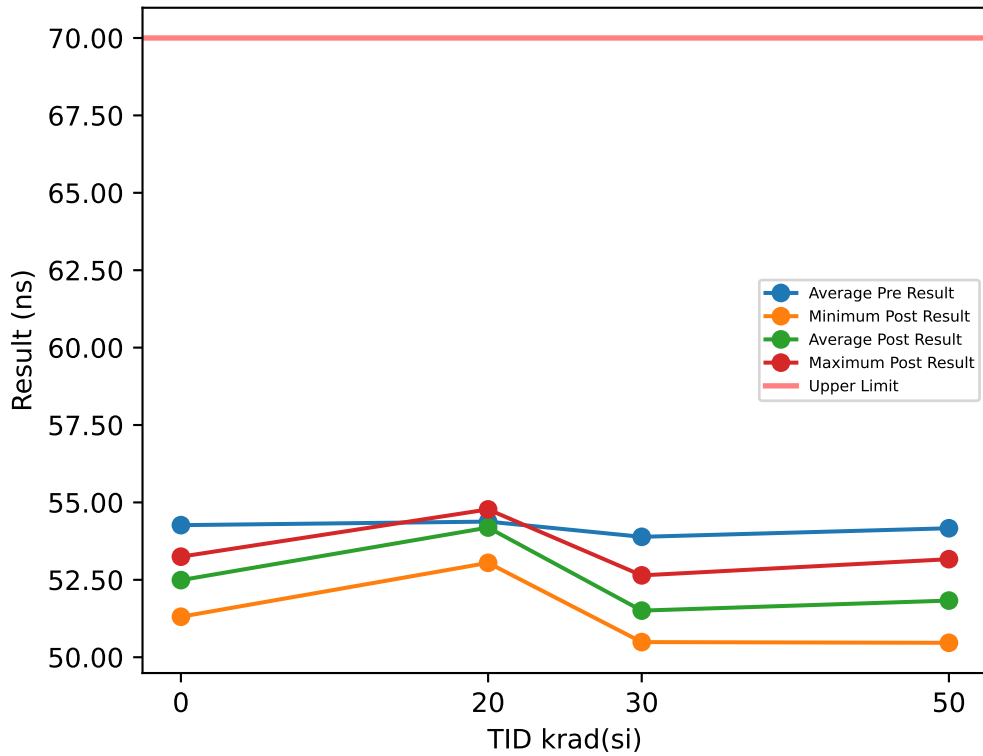


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	131.23	135.79	139.04	2.8558	131.15	136.4	140.18	3.3239	-0.0825	0.6094	1.4403	0.6456
20	130.5	135.86	138.8	2.5246	130.03	134.25	141.78	3.7772	-4.4814	-1.6084	3.7014	2.4569
30	133.92	136.88	141.04	2.2471	130.72	135.51	140.69	3.5195	-5.8773	-1.3698	4.5333	2.9549
50	134.22	136.77	139.12	1.72	131.84	134.29	141.49	2.8141	-6.8288	-2.4837	2.3723	2.3121

Device Test: 26.8 TIMING|EXT/OUT/8/8/0/0/5/500kHz//@T_OFF_EXTENDER

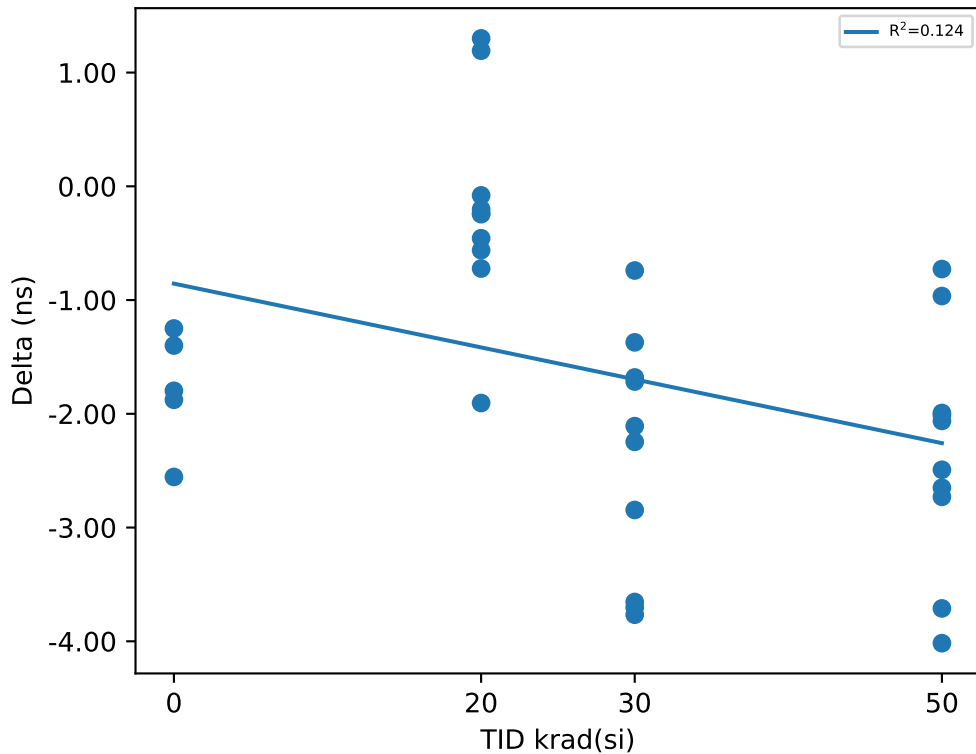
TID vs Result Stats



Test Results (Upper Limit = 70.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	54.455	54.375	-0.0798
371	20	Unbiased	54.734	54.172	-0.5618
383	20	Unbiased	55.498	54.775	-0.7229
390	50	Unbiased	54.772	52.122	-2.65
444	30	Unbiased	54.382	50.616	-3.7662
509	30	Unbiased	53.27	51.023	-2.2465
558	0	Correlation	54.573	53.173	-1.3997
724	20	Biased	53.377	54.678	1.3004
744	50	Biased	55.23	53.167	-2.0629
799	50	Biased	53.195	51.182	-2.0131
842	30	Unbiased	54.644	50.99	-3.6544
930	50	Unbiased	54.768	51.057	-3.7109
964	20	Unbiased	55.164	53.259	-1.9052
1056	0	Correlation	54.497	53.248	-1.2497
1095	50	Unbiased	53.165	52.2	-0.9647
1099	0	Correlation	54.622	52.067	-2.5551
1215	50	Unbiased	54.666	51.936	-2.7297
1229	50	Unbiased	53.212	51.22	-1.9927
1297	20	Biased	55	54.544	-0.4566
1331	30	Unbiased	54.657	51.811	-2.8455
1337	20	Biased	54.73	54.485	-0.245
1359	30	Biased	54.466	52.358	-2.1085
1375	30	Unbiased	54.192	50.489	-3.703
1398	30	Biased	54.324	52.644	-1.6804
1401	20	Biased	54.675	54.473	-0.2015
1411	50	Biased	54.93	52.438	-2.4921
1474	50	Biased	53.235	52.508	-0.7274
1500	20	Unbiased	52.882	54.075	1.1921
1504	50	Biased	54.483	50.466	-4.0167
1662	30	Biased	53.011	52.271	-0.7402
1703	30	Biased	52.749	51.032	-1.7163
1736	30	Biased	53.19	51.818	-1.3717
1737	0	Correlation	53.185	51.308	-1.8767
1748	0	Correlation	54.452	52.654	-1.7978
1794	20	Biased	53.288	53.048	-0.2395

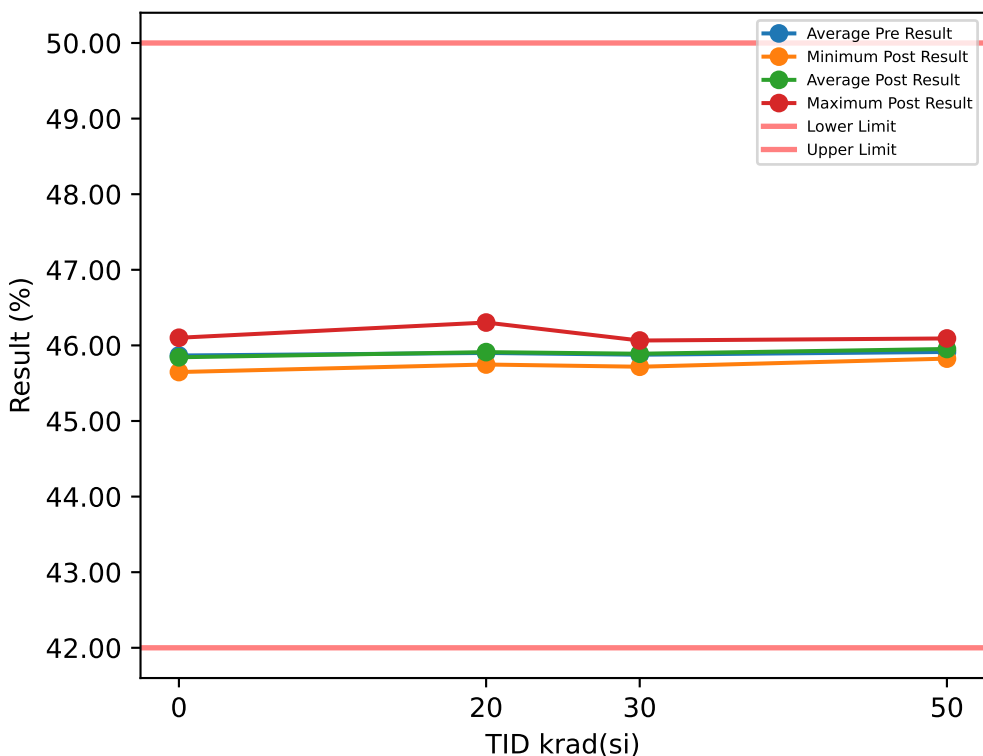
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	53.185	54.266	54.622	0.60797	51.308	52.49	53.248	0.81294	-2.5551	-1.7758	-1.2497	0.50897
20	52.882	54.38	55.498	0.88382	53.048	54.188	54.775	0.58594	-1.9052	-0.19198	1.3004	0.91799
30	52.749	53.889	54.657	0.74239	50.489	51.505	52.644	0.77073	-3.7662	-2.3833	-0.7402	1.0666
50	53.165	54.166	55.23	0.8508	50.466	51.829	53.167	0.82315	-4.0167	-2.336	-0.7274	1.0413

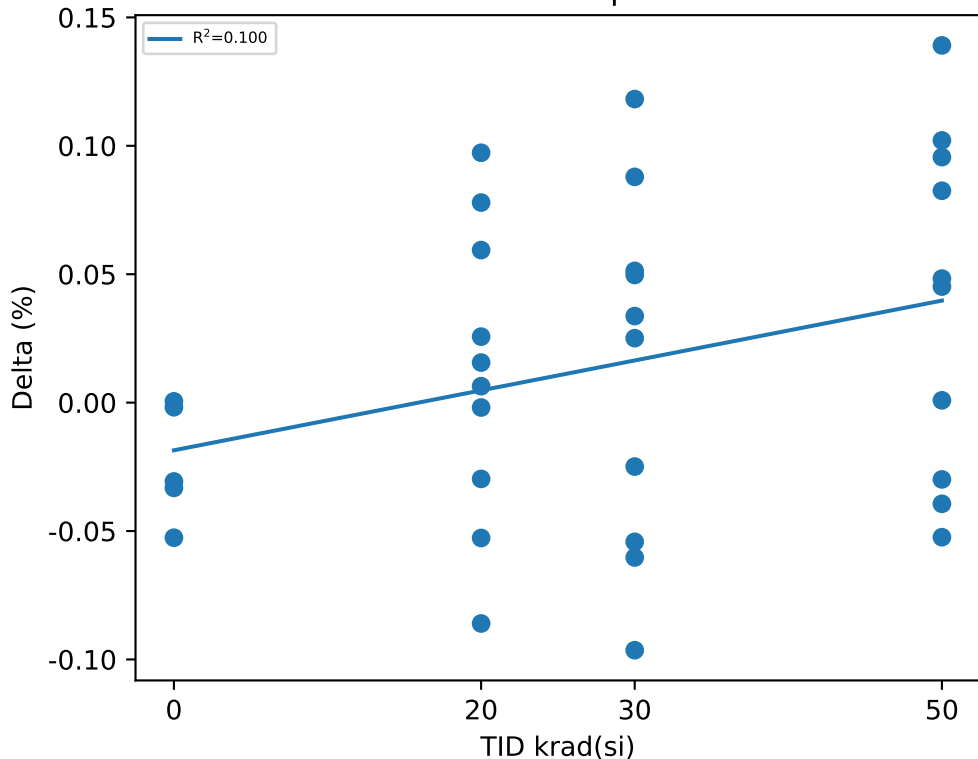
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.069	45.983	-0.086
371	20	Unbiased	45.952	45.967	0.0156
383	20	Unbiased	45.935	45.883	-0.0527
390	50	Unbiased	45.905	46.044	0.1391
444	30	Unbiased	45.869	45.844	-0.0249
509	30	Unbiased	45.814	45.865	0.0513
558	0	Correlation	45.762	45.729	-0.0332
724	20	Biased	45.822	45.881	0.0594
744	50	Biased	46.009	45.969	-0.0394
799	50	Biased	45.989	45.99	0.0009
842	30	Unbiased	46.015	46.065	0.0497
930	50	Unbiased	45.894	45.976	0.0825
964	20	Unbiased	45.812	45.782	-0.0297
1056	0	Correlation	45.921	45.868	-0.0526
1095	50	Unbiased	45.99	46.092	0.1021
1099	0	Correlation	45.87	45.868	-0.0018
1215	50	Unbiased	45.784	45.879	0.0956
1229	50	Unbiased	45.981	45.928	-0.0524
1297	20	Biased	45.94	45.946	0.0064
1331	30	Unbiased	45.693	45.718	0.0251
1337	20	Biased	45.786	45.864	0.0779
1359	30	Biased	45.752	45.87	0.1182
1375	30	Unbiased	45.97	45.91	-0.0603
1398	30	Biased	46.139	46.043	-0.0964
1401	20	Biased	46.205	46.302	0.0973
1411	50	Biased	45.777	45.825	0.0483
1474	50	Biased	45.873	45.918	0.0452
1500	20	Unbiased	45.757	45.755	-0.0019
1504	50	Biased	45.934	45.904	-0.0299
1662	30	Biased	45.687	45.775	0.0879
1703	30	Biased	45.998	45.944	-0.0542
1736	30	Biased	45.831	45.865	0.0337
1737	0	Correlation	46.101	46.101	0.0005
1748	0	Correlation	45.678	45.648	-0.0307
1794	20	Biased	45.721	45.747	0.0257

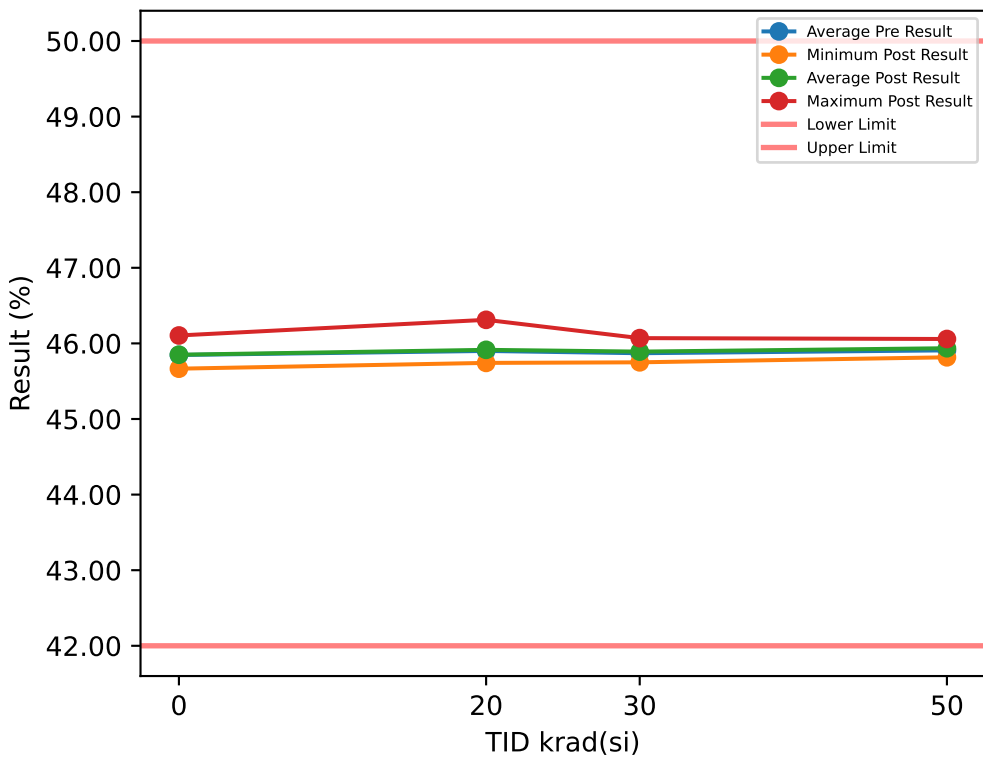
TID vs Post - Pre Exposure Delta



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	45.678	45.866	46.101	0.1613	45.648	45.843	46.101	0.17253	-0.0526	-0.02356	0.0005	0.022581
20	45.721	45.9	46.205	0.15139	45.747	45.911	46.302	0.16138	-0.086	0.0112	0.0973	0.057555
30	45.687	45.877	46.139	0.15031	45.718	45.89	46.065	0.1075	-0.0964	0.01301	0.1182	0.06941
50	45.777	45.913	46.009	0.083811	45.825	45.953	46.092	0.078661	-0.0524	0.0392	0.1391	0.066601

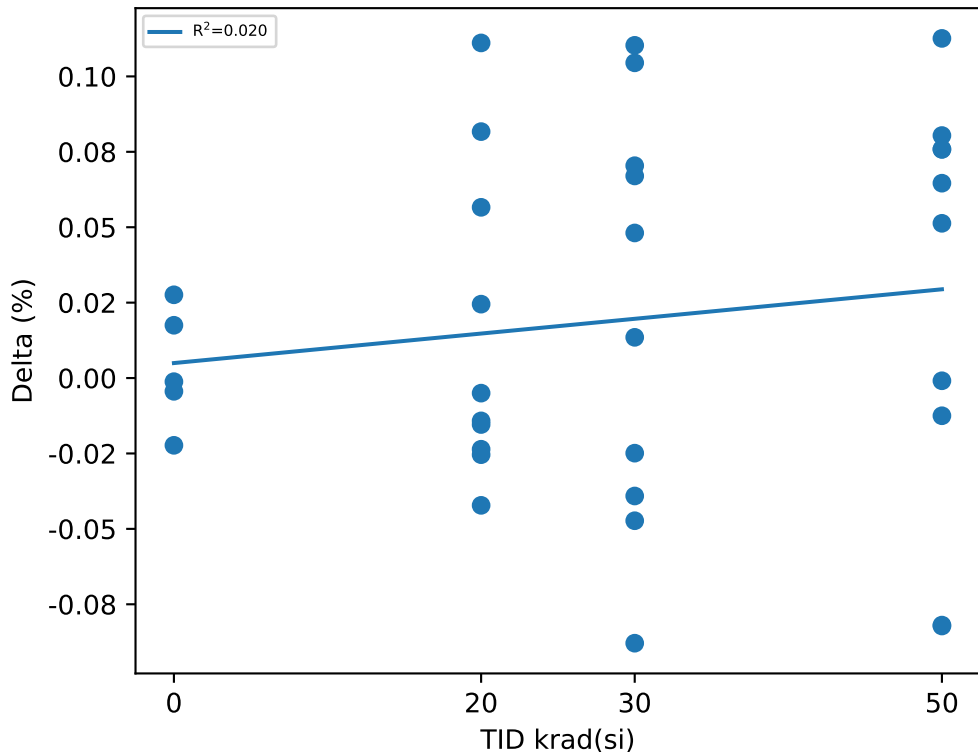
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.048	46.023	-0.0254
371	20	Unbiased	45.973	45.968	-0.005
383	20	Unbiased	45.94	45.925	-0.0154
390	50	Unbiased	45.899	45.98	0.0804
444	30	Unbiased	45.883	45.844	-0.0391
509	30	Unbiased	45.803	45.87	0.067
558	0	Correlation	45.728	45.724	-0.0044
724	20	Biased	45.811	45.868	0.0566
744	50	Biased	46.006	45.924	-0.0822
799	50	Biased	45.988	45.987	-0.0009
842	30	Unbiased	46.022	46.07	0.0481
930	50	Unbiased	45.891	45.967	0.0758
964	20	Unbiased	45.82	45.778	-0.0422
1056	0	Correlation	45.901	45.879	-0.0223
1095	50	Unbiased	45.982	46.058	0.0759
1099	0	Correlation	45.85	45.877	0.0276
1215	50	Unbiased	45.779	45.891	0.1126
1229	50	Unbiased	45.986	45.904	-0.0819
1297	20	Biased	45.966	45.943	-0.0236
1331	30	Unbiased	45.679	45.75	0.0704
1337	20	Biased	45.76	45.842	0.0817
1359	30	Biased	45.762	45.866	0.1045
1375	30	Unbiased	45.924	45.899	-0.0249
1398	30	Biased	46.122	46.034	-0.0879
1401	20	Biased	46.201	46.312	0.1111
1411	50	Biased	45.752	45.816	0.0646
1474	50	Biased	45.867	45.918	0.0513
1500	20	Unbiased	45.756	45.742	-0.0142
1504	50	Biased	45.929	45.916	-0.0125
1662	30	Biased	45.674	45.785	0.1103
1703	30	Biased	45.99	45.942	-0.0473
1736	30	Biased	45.841	45.855	0.0135
1737	0	Correlation	46.087	46.105	0.0175
1748	0	Correlation	45.667	45.666	-0.0012
1794	20	Biased	45.726	45.75	0.0245

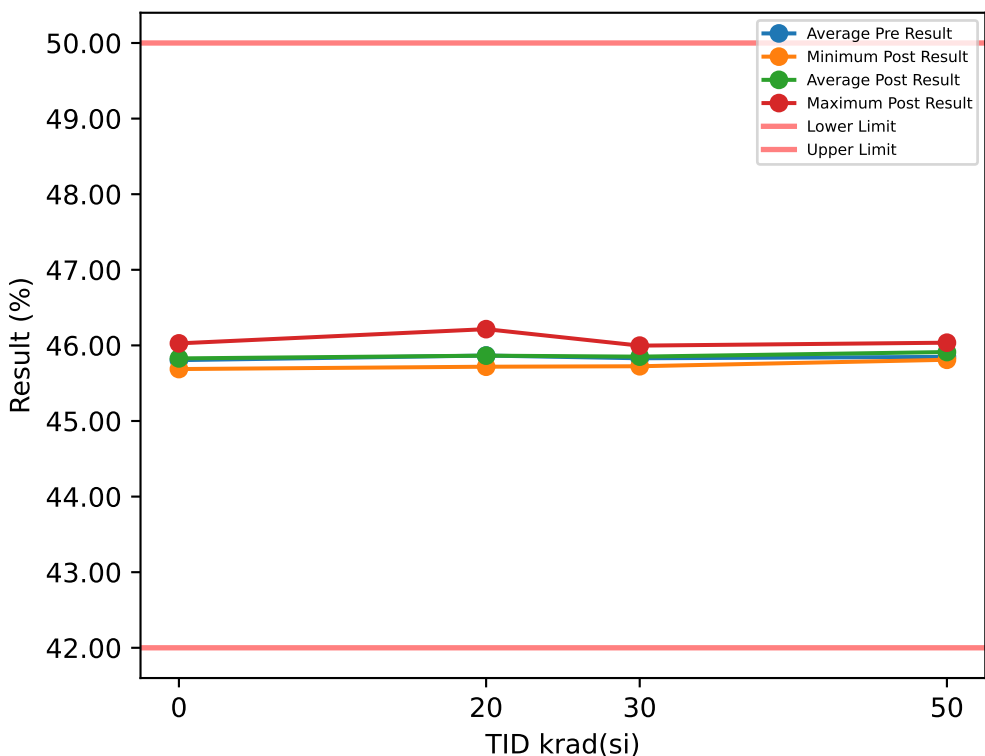
TID vs Post - Pre Exposure Delta



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	45.667	45.847	46.087	0.16373	45.666	45.85	46.105	0.17057	-0.0223	0.00344	0.0276	0.019538
20	45.726	45.9	46.201	0.1522	45.742	45.915	46.312	0.1687	-0.0422	0.01481	0.1111	0.051721
30	45.674	45.87	46.122	0.14738	45.75	45.891	46.07	0.10054	-0.0879	0.02146	0.1103	0.068746
50	45.752	45.908	46.006	0.088976	45.816	45.936	46.058	0.065574	-0.0822	0.02831	0.1126	0.069171

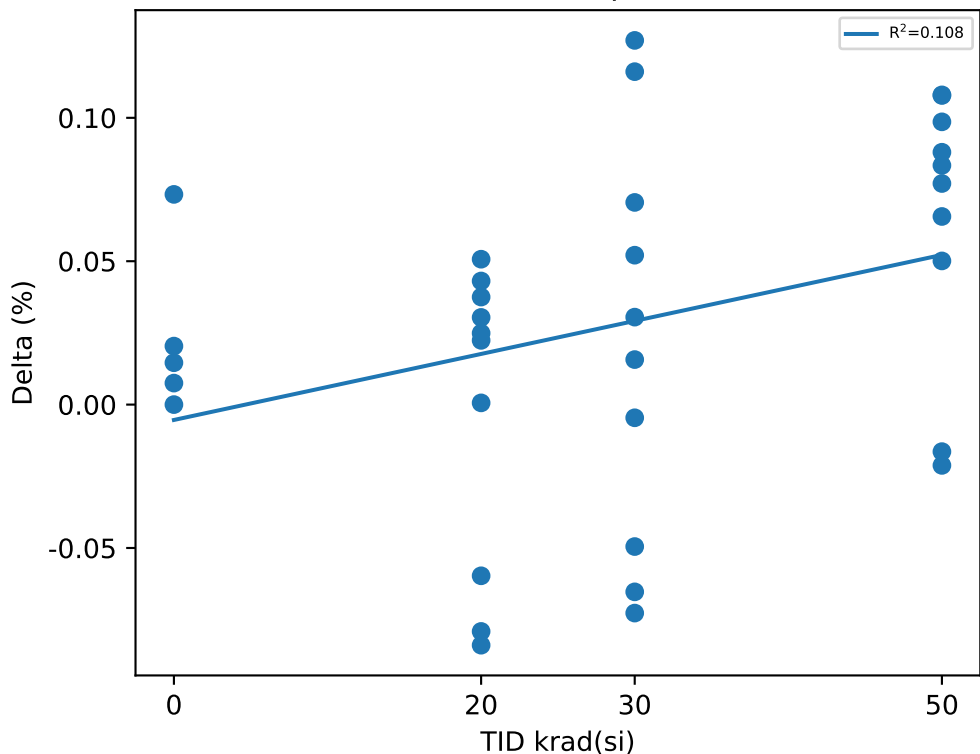
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.028	45.969	-0.0597
371	20	Unbiased	45.938	45.96	0.0224
383	20	Unbiased	45.841	45.892	0.0507
390	50	Unbiased	45.878	45.928	0.0501
444	30	Unbiased	45.829	45.825	-0.0046
509	30	Unbiased	45.74	45.857	0.1161
558	0	Correlation	45.725	45.725	0
724	20	Biased	45.763	45.793	0.0304
744	50	Biased	45.947	45.93	-0.0164
799	50	Biased	45.921	46.009	0.088
842	30	Unbiased	45.967	45.997	0.0305
930	50	Unbiased	45.825	45.902	0.0771
964	20	Unbiased	45.814	45.73	-0.0839
1056	0	Correlation	45.817	45.89	0.0733
1095	50	Unbiased	45.928	46.036	0.1078
1099	0	Correlation	45.803	45.811	0.0075
1215	50	Unbiased	45.75	45.858	0.108
1229	50	Unbiased	45.849	45.932	0.0834
1297	20	Biased	45.899	45.82	-0.0791
1331	30	Unbiased	45.676	45.728	0.0521
1337	20	Biased	45.791	45.792	0.0006
1359	30	Biased	45.797	45.724	-0.0727
1375	30	Unbiased	45.958	45.893	-0.0653
1398	30	Biased	45.999	45.949	-0.0495
1401	20	Biased	46.172	46.215	0.0431
1411	50	Biased	45.711	45.81	0.0986
1474	50	Biased	45.795	45.861	0.0656
1500	20	Unbiased	45.693	45.718	0.0249
1504	50	Biased	45.876	45.854	-0.0212
1662	30	Biased	45.608	45.736	0.127
1703	30	Biased	45.925	45.941	0.0157
1736	30	Biased	45.793	45.864	0.0705
1737	0	Correlation	46.006	46.027	0.0204
1748	0	Correlation	45.672	45.687	0.0146
1794	20	Biased	45.719	45.757	0.0375

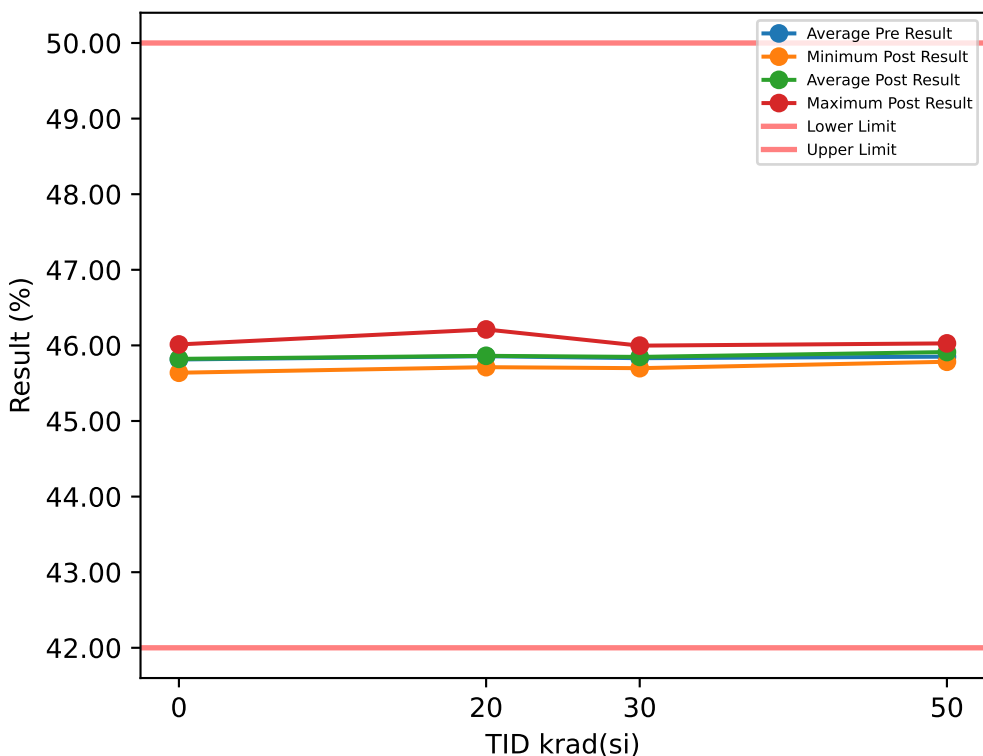
TID vs Post - Pre Exposure Delta



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	45.672	45.805	46.006	0.12704	45.687	45.828	46.027	0.13601	0	0.02316	0.0733	0.029054
20	45.693	45.866	46.172	0.14803	45.718	45.865	46.215	0.15169	-0.0839	-0.00131	0.0507	0.052412
30	45.608	45.829	45.999	0.13158	45.724	45.851	45.997	0.09788	-0.0727	0.02198	0.127	0.071227
50	45.711	45.848	45.947	0.077948	45.81	45.912	46.036	0.070819	-0.0212	0.0641	0.108	0.047252

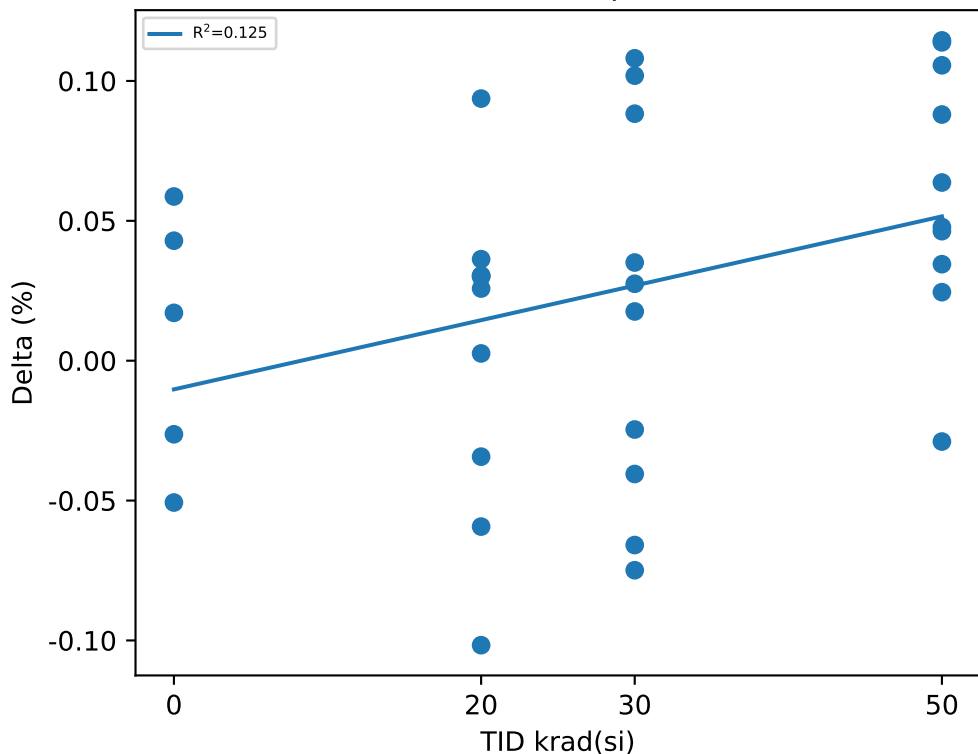
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.023	45.964	-0.0593
371	20	Unbiased	45.914	45.917	0.0026
383	20	Unbiased	45.849	45.942	0.0937
390	50	Unbiased	45.865	45.928	0.0637
444	30	Unbiased	45.851	45.826	-0.0246
509	30	Unbiased	45.733	45.835	0.1019
558	0	Correlation	45.73	45.704	-0.0263
724	20	Biased	45.753	45.784	0.0305
744	50	Biased	45.944	45.979	0.0345
799	50	Biased	45.939	46.027	0.088
842	30	Unbiased	45.962	45.997	0.0351
930	50	Unbiased	45.823	45.936	0.1138
964	20	Unbiased	45.824	45.722	-0.1017
1056	0	Correlation	45.839	45.898	0.0587
1095	50	Unbiased	45.915	46.021	0.1056
1099	0	Correlation	45.814	45.856	0.0429
1215	50	Unbiased	45.748	45.863	0.1145
1229	50	Unbiased	45.866	45.89	0.0245
1297	20	Biased	45.879	45.845	-0.0343
1331	30	Unbiased	45.692	45.71	0.0176
1337	20	Biased	45.743	45.773	0.03
1359	30	Biased	45.781	45.74	-0.0405
1375	30	Unbiased	45.953	45.887	-0.0659
1398	30	Biased	46.023	45.948	-0.0749
1401	20	Biased	46.181	46.211	0.0303
1411	50	Biased	45.736	45.784	0.0478
1474	50	Biased	45.798	45.844	0.0463
1500	20	Unbiased	45.686	45.712	0.0258
1504	50	Biased	45.878	45.849	-0.0289
1662	30	Biased	45.61	45.699	0.0883
1703	30	Biased	45.917	45.945	0.0275
1736	30	Biased	45.783	45.891	0.1081
1737	0	Correlation	45.995	46.013	0.0171
1748	0	Correlation	45.689	45.638	-0.0507
1794	20	Biased	45.716	45.752	0.0363

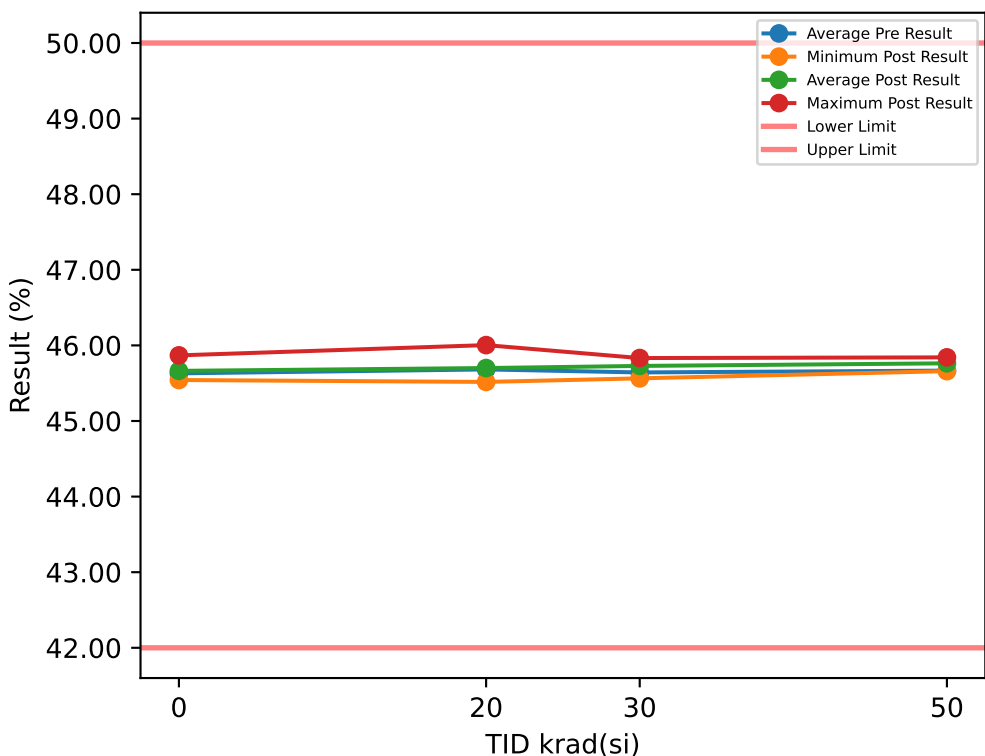
TID vs Post - Pre Exposure Delta



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	45.689	45.814	45.995	0.11852	45.638	45.822	46.013	0.15078	-0.0507	0.00834	0.0587	0.046078
20	45.686	45.857	46.181	0.1528	45.712	45.862	46.211	0.1528	-0.1017	0.00539	0.0937	0.056039
30	45.61	45.83	46.023	0.13297	45.699	45.848	45.997	0.10468	-0.0749	0.01726	0.1081	0.06781
50	45.736	45.851	45.944	0.073857	45.784	45.912	46.027	0.080446	-0.0289	0.06098	0.1145	0.045804

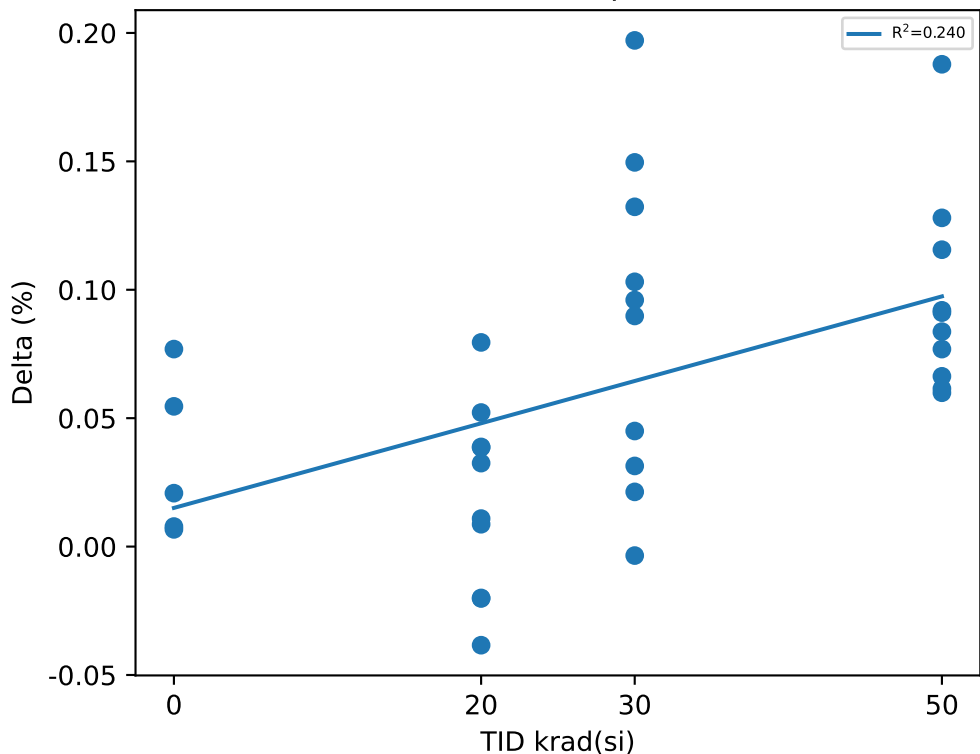
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	45.77	45.75	-0.02
371	20	Unbiased	45.669	45.721	0.0522
383	20	Unbiased	45.716	45.795	0.0795
390	50	Unbiased	45.693	45.784	0.0911
444	30	Unbiased	45.68	45.725	0.045
509	30	Unbiased	45.617	45.749	0.1323
558	0	Correlation	45.534	45.542	0.0078
724	20	Biased	45.642	45.622	-0.0202
744	50	Biased	45.718	45.78	0.0615
799	50	Biased	45.714	45.842	0.128
842	30	Unbiased	45.743	45.833	0.0898
930	50	Unbiased	45.626	45.814	0.1878
964	20	Unbiased	45.602	45.634	0.0325
1056	0	Correlation	45.678	45.685	0.0067
1095	50	Unbiased	45.722	45.788	0.0663
1099	0	Correlation	45.593	45.669	0.0769
1215	50	Unbiased	45.645	45.729	0.0837
1229	50	Unbiased	45.7	45.815	0.1156
1297	20	Biased	45.723	45.684	-0.0384
1331	30	Unbiased	45.45	45.6	0.1496
1337	20	Biased	45.608	45.616	0.0087
1359	30	Biased	45.543	45.564	0.0213
1375	30	Unbiased	45.764	45.795	0.0314
1398	30	Biased	45.805	45.802	-0.0035
1401	20	Biased	45.993	46.004	0.0109
1411	50	Biased	45.583	45.66	0.0769
1474	50	Biased	45.6	45.66	0.0599
1500	20	Unbiased	45.478	45.517	0.0388
1504	50	Biased	45.666	45.758	0.092
1662	30	Biased	45.492	45.595	0.1031
1703	30	Biased	45.715	45.811	0.096
1736	30	Biased	45.613	45.81	0.1971
1737	0	Correlation	45.813	45.868	0.0546
1748	0	Correlation	45.532	45.552	0.0208
1794	20	Biased	45.622	45.661	0.0386

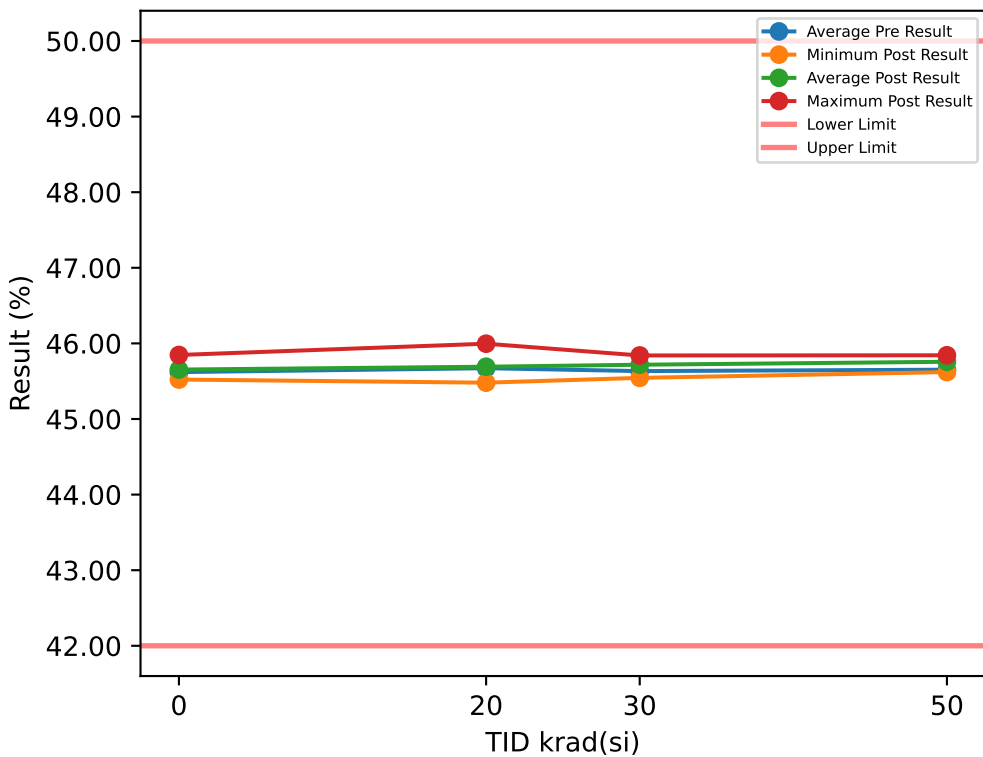
TID vs Post - Pre Exposure Delta



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	45.532	45.63	45.813	0.11854	45.542	45.663	45.868	0.13173	0.0067	0.03336	0.0769	0.031099
20	45.478	45.682	45.993	0.13586	45.517	45.7	46.004	0.13212	-0.0384	0.01826	0.0795	0.036878
30	45.45	45.642	45.805	0.11972	45.564	45.728	45.833	0.10328	-0.0035	0.08621	0.1971	0.063067
50	45.583	45.667	45.722	0.050912	45.66	45.763	45.842	0.062757	0.0599	0.09628	0.1878	0.03911

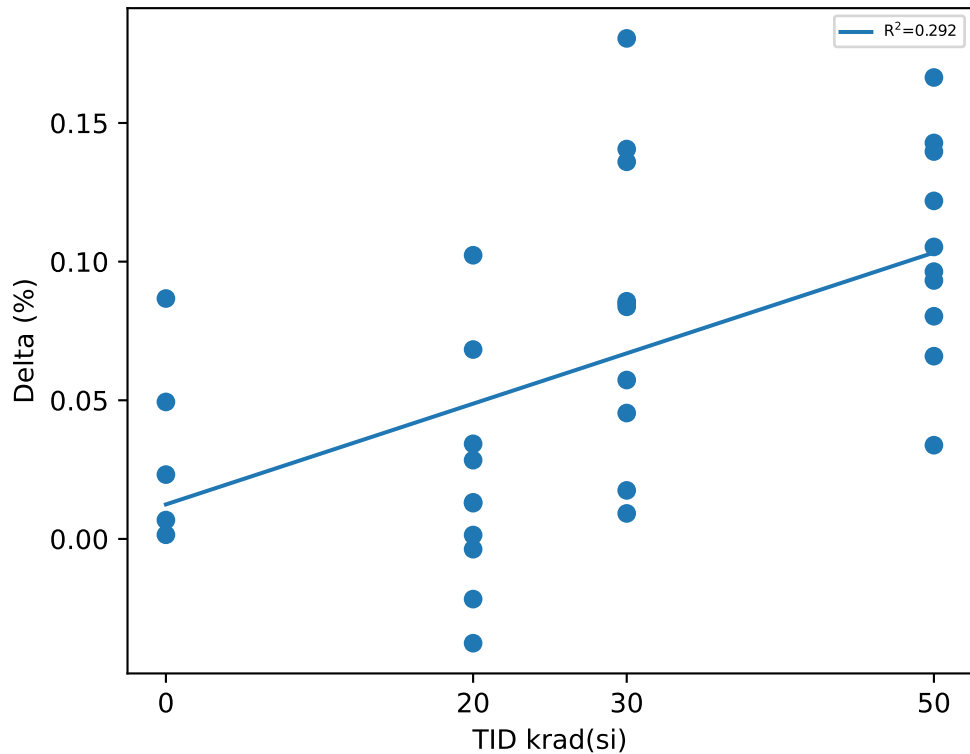
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	45.77	45.766	-0.0037
371	20	Unbiased	45.657	45.726	0.0683
383	20	Unbiased	45.696	45.798	0.1023
390	50	Unbiased	45.676	45.798	0.1219
444	30	Unbiased	45.673	45.73	0.0573
509	30	Unbiased	45.586	45.727	0.1406
558	0	Correlation	45.529	45.553	0.0232
724	20	Biased	45.629	45.592	-0.0376
744	50	Biased	45.707	45.773	0.0659
799	50	Biased	45.703	45.843	0.1397
842	30	Unbiased	45.757	45.84	0.0837
930	50	Unbiased	45.616	45.782	0.1664
964	20	Unbiased	45.608	45.621	0.0132
1056	0	Correlation	45.675	45.682	0.0068
1095	50	Unbiased	45.704	45.81	0.1053
1099	0	Correlation	45.578	45.665	0.0867
1215	50	Unbiased	45.623	45.716	0.0932
1229	50	Unbiased	45.684	45.827	0.1428
1297	20	Biased	45.72	45.698	-0.0217
1331	30	Unbiased	45.445	45.581	0.136
1337	20	Biased	45.567	45.601	0.0343
1359	30	Biased	45.535	45.544	0.0092
1375	30	Unbiased	45.771	45.789	0.0175
1398	30	Biased	45.771	45.816	0.0454
1401	20	Biased	45.983	45.996	0.0129
1411	50	Biased	45.587	45.621	0.0338
1474	50	Biased	45.564	45.644	0.0803
1500	20	Unbiased	45.479	45.48	0.0014
1504	50	Biased	45.659	45.755	0.0964
1662	30	Biased	45.487	45.573	0.0857
1703	30	Biased	45.706	45.791	0.0849
1736	30	Biased	45.606	45.786	0.1805
1737	0	Correlation	45.797	45.847	0.0494
1748	0	Correlation	45.52	45.522	0.0015
1794	20	Biased	45.61	45.638	0.0284

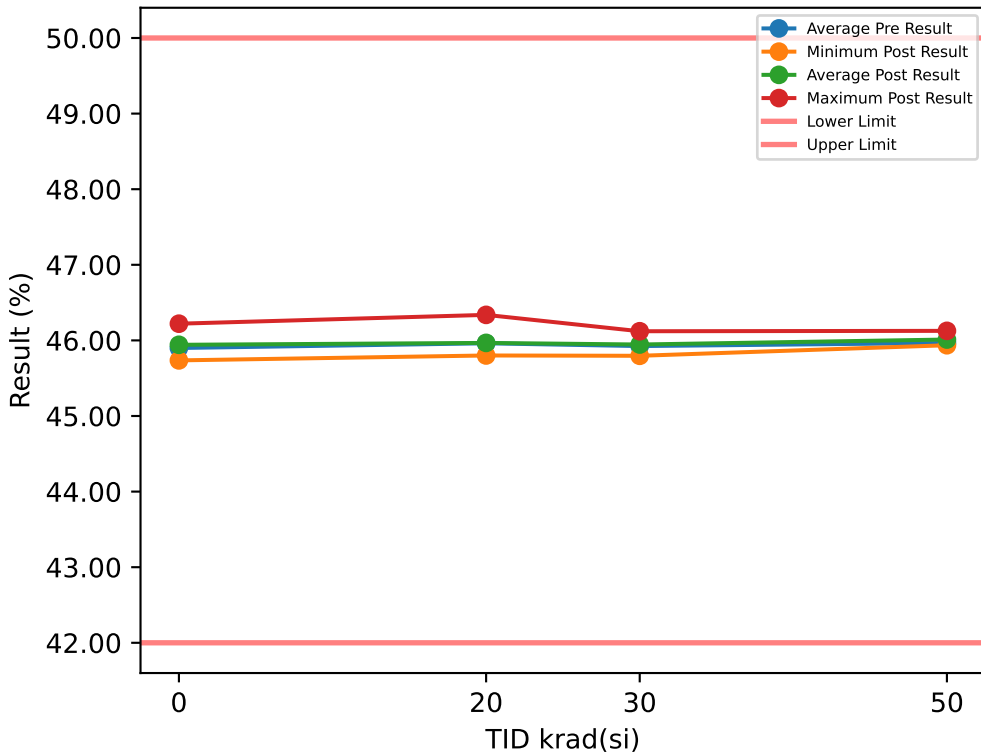
TID vs Post - Pre Exposure Delta



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	45.52	45.62	45.797	0.11654	45.522	45.654	45.847	0.12822	0.0015	0.03352	0.0867	0.035093
20	45.479	45.672	45.983	0.13639	45.48	45.692	45.996	0.14193	-0.0376	0.01978	0.1023	0.041422
30	45.445	45.634	45.771	0.11999	45.544	45.718	45.84	0.11059	0.0092	0.08408	0.1805	0.05522
50	45.564	45.652	45.707	0.051855	45.621	45.757	45.843	0.075017	0.0338	0.10457	0.1664	0.039593

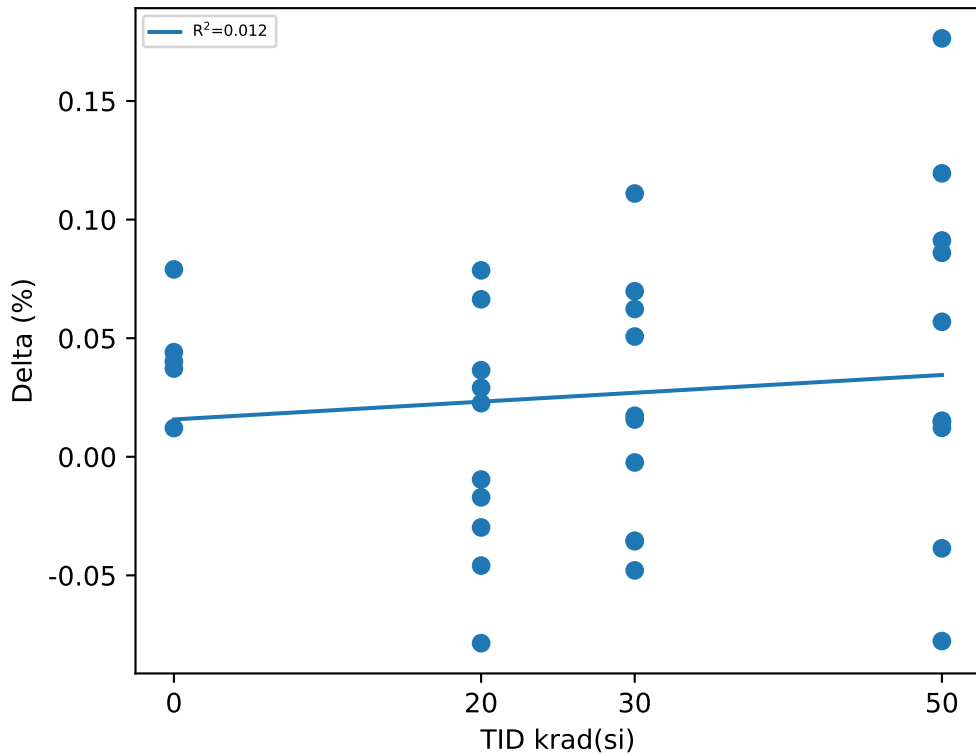
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.137	46.059	-0.0786
371	20	Unbiased	46.054	46.044	-0.0096
383	20	Unbiased	45.982	45.965	-0.0171
390	50	Unbiased	45.936	46.028	0.0912
444	30	Unbiased	45.935	45.899	-0.0354
509	30	Unbiased	45.857	45.919	0.0623
558	0	Correlation	45.807	45.847	0.0402
724	20	Biased	45.85	45.929	0.0786
744	50	Biased	46.049	46.011	-0.0386
799	50	Biased	46.054	46.069	0.0145
842	30	Unbiased	46.094	46.111	0.0173
930	50	Unbiased	45.935	45.992	0.0569
964	20	Unbiased	45.89	45.844	-0.0459
1056	0	Correlation	45.931	45.968	0.0372
1095	50	Unbiased	46.04	46.126	0.086
1099	0	Correlation	45.894	45.938	0.0441
1215	50	Unbiased	45.834	46.01	0.1764
1229	50	Unbiased	45.995	46.008	0.0122
1297	20	Biased	46.008	45.978	-0.0298
1331	30	Unbiased	45.727	45.796	0.0698
1337	20	Biased	45.868	45.891	0.0226
1359	30	Biased	45.822	45.873	0.0507
1375	30	Unbiased	45.985	46.001	0.0157
1398	30	Biased	46.169	46.121	-0.0479
1401	20	Biased	46.271	46.338	0.0664
1411	50	Biased	45.816	45.936	0.1195
1474	50	Biased	45.982	45.997	0.0152
1500	20	Unbiased	45.785	45.821	0.0365
1504	50	Biased	46.016	45.938	-0.0777
1662	30	Biased	45.722	45.833	0.111
1703	30	Biased	46.038	46.003	-0.0356
1736	30	Biased	45.902	45.899	-0.0024
1737	0	Correlation	46.142	46.221	0.079
1748	0	Correlation	45.724	45.736	0.0121
1794	20	Biased	45.772	45.801	0.0291

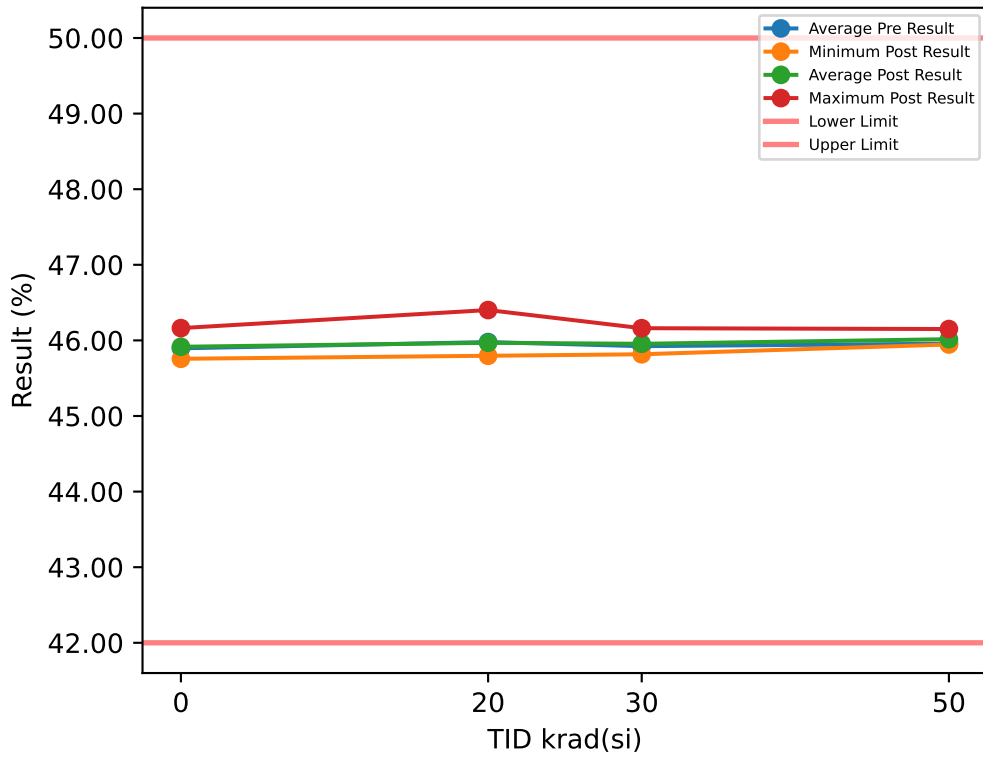
TID vs Post - Pre Exposure Delta



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	45.724	45.899	46.142	0.15758	45.736	45.942	46.221	0.18034	0.0121	0.04252	0.079	0.023939
20	45.772	45.962	46.271	0.16042	45.801	45.967	46.338	0.15749	-0.0786	0.00522	0.0786	0.050068
30	45.722	45.925	46.169	0.14939	45.796	45.946	46.121	0.11041	-0.0479	0.02055	0.111	0.052481
50	45.816	45.966	46.054	0.085372	45.936	46.011	46.126	0.056124	-0.0777	0.04556	0.1764	0.075798

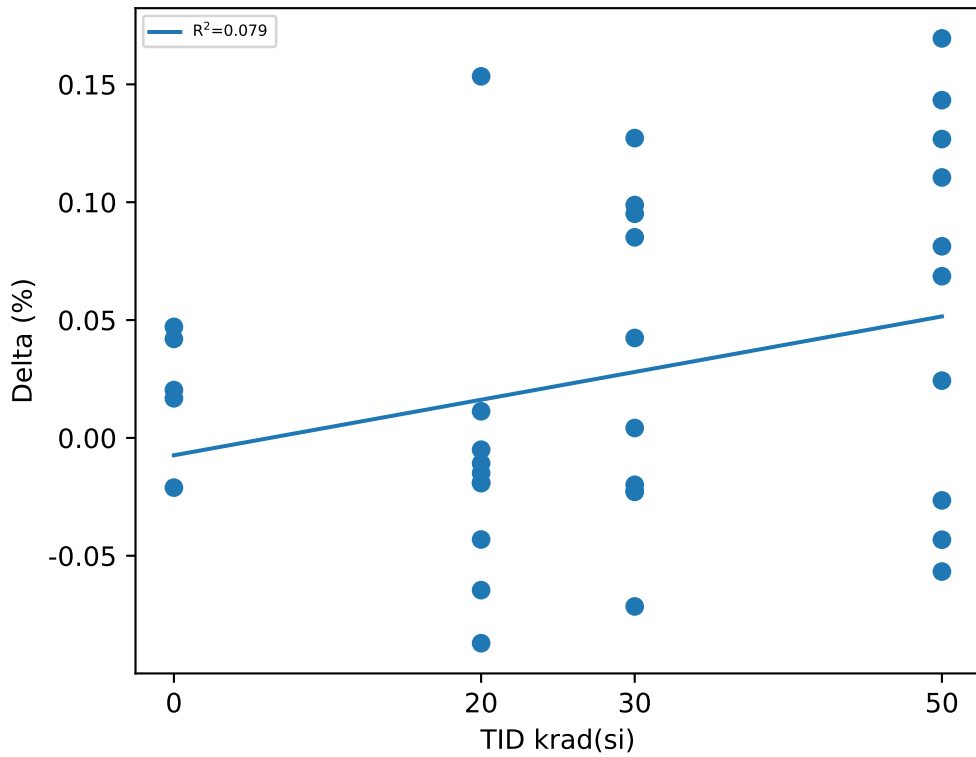
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.118	46.054	-0.0646
371	20	Unbiased	46.06	46.049	-0.0108
383	20	Unbiased	46.013	45.97	-0.0431
390	50	Unbiased	45.93	46.099	0.1695
444	30	Unbiased	45.92	45.9	-0.0199
509	30	Unbiased	45.855	45.954	0.0988
558	0	Correlation	45.775	45.822	0.0471
724	20	Biased	45.905	45.9	-0.005
744	50	Biased	46.043	46.017	-0.0265
799	50	Biased	46.049	46.074	0.0243
842	30	Unbiased	46.034	46.161	0.1272
930	50	Unbiased	45.922	46.003	0.0813
964	20	Unbiased	45.9	45.813	-0.0871
1056	0	Correlation	45.928	45.907	-0.0211
1095	50	Unbiased	46.04	46.15	0.1105
1099	0	Correlation	45.913	45.93	0.0168
1215	50	Unbiased	45.832	45.959	0.1268
1229	50	Unbiased	46.018	45.975	-0.0432
1297	20	Biased	46.024	46.005	-0.0192
1331	30	Unbiased	45.752	45.847	0.0951
1337	20	Biased	45.853	45.865	0.0113
1359	30	Biased	45.832	45.875	0.0424
1375	30	Unbiased	45.983	45.96	-0.0225
1398	30	Biased	46.138	46.115	-0.0229
1401	20	Biased	46.248	46.401	0.1534
1411	50	Biased	45.803	45.946	0.1433
1474	50	Biased	45.919	45.988	0.0686
1500	20	Unbiased	45.843	45.828	-0.0149
1504	50	Biased	46.007	45.95	-0.0567
1662	30	Biased	45.731	45.816	0.0851
1703	30	Biased	46.057	45.985	-0.0715
1736	30	Biased	45.934	45.938	0.0042
1737	0	Correlation	46.142	46.163	0.0203
1748	0	Correlation	45.715	45.757	0.042
1794	20	Biased	45.816	45.797	-0.0189

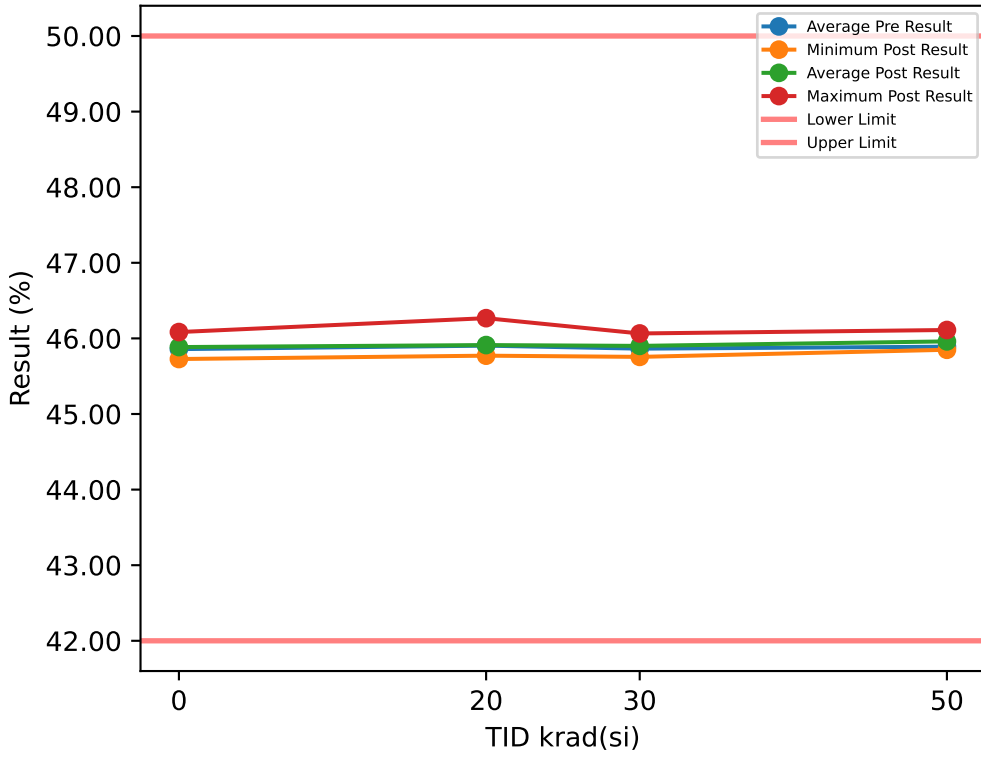
TID vs Post - Pre Exposure Delta



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	45.715	45.895	46.142	0.16535	45.757	45.916	46.163	0.15423	-0.0211	0.02102	0.0471	0.026985
20	45.816	45.978	46.248	0.13911	45.797	45.968	46.401	0.17996	-0.0871	-0.00989	0.1534	0.064453
30	45.731	45.924	46.138	0.13287	45.816	45.955	46.161	0.1104	-0.0715	0.0316	0.1272	0.067162
50	45.803	45.956	46.049	0.089335	45.946	46.016	46.15	0.069393	-0.0567	0.05979	0.1695	0.081305

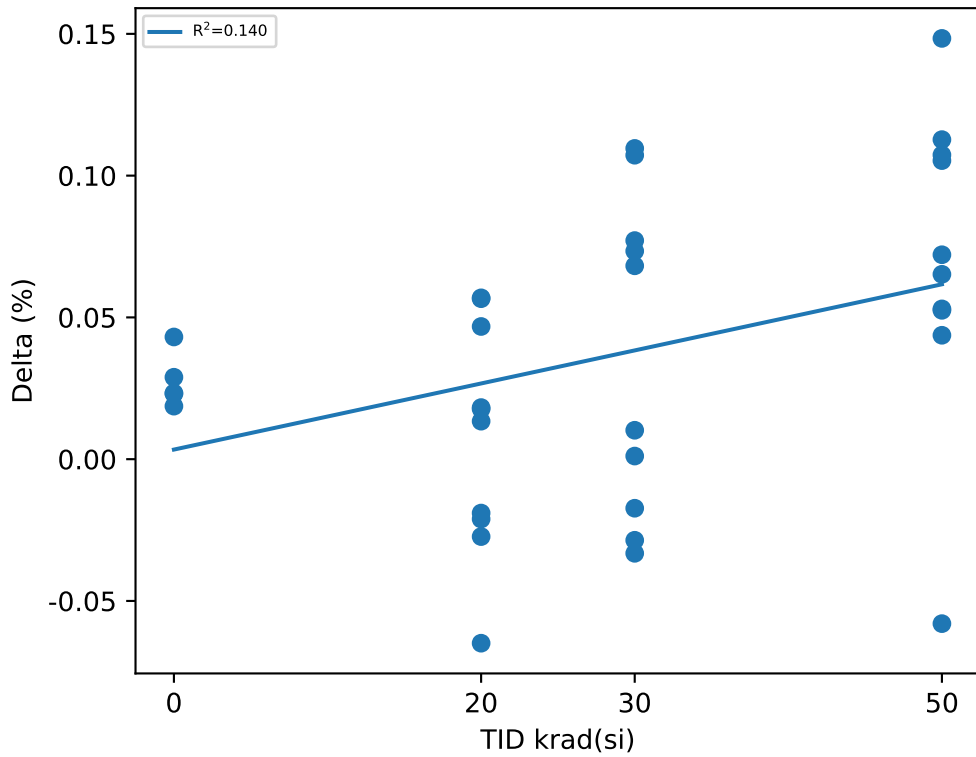
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.071	46.044	-0.0273
371	20	Unbiased	45.959	45.972	0.0134
383	20	Unbiased	45.935	45.953	0.0177
390	50	Unbiased	45.913	45.967	0.053
444	30	Unbiased	45.857	45.867	0.0102
509	30	Unbiased	45.793	45.902	0.1096
558	0	Correlation	45.772	45.815	0.0431
724	20	Biased	45.817	45.798	-0.019
744	50	Biased	45.98	46.045	0.0652
799	50	Biased	45.94	46.047	0.1073
842	30	Unbiased	45.992	46.065	0.0734
930	50	Unbiased	45.877	45.949	0.0721
964	20	Unbiased	45.837	45.773	-0.0649
1056	0	Correlation	45.905	45.928	0.0231
1095	50	Unbiased	45.963	46.111	0.1484
1099	0	Correlation	45.844	45.873	0.0289
1215	50	Unbiased	45.819	45.931	0.1127
1229	50	Unbiased	45.892	45.944	0.0525
1297	20	Biased	45.92	45.898	-0.0211
1331	30	Unbiased	45.69	45.767	0.0771
1337	20	Biased	45.824	45.843	0.0182
1359	30	Biased	45.812	45.813	0.0011
1375	30	Unbiased	45.973	45.945	-0.0286
1398	30	Biased	46.055	46.022	-0.0332
1401	20	Biased	46.221	46.268	0.0468
1411	50	Biased	45.744	45.849	0.1053
1474	50	Biased	45.837	45.88	0.0437
1500	20	Unbiased	45.715	45.772	0.0566
1504	50	Biased	45.938	45.88	-0.058
1662	30	Biased	45.648	45.755	0.1072
1703	30	Biased	45.968	45.951	-0.0173
1736	30	Biased	45.854	45.922	0.0682
1737	0	Correlation	46.06	46.084	0.0233
1748	0	Correlation	45.709	45.727	0.0187
1794	20	Biased	45.741	45.798	0.0569

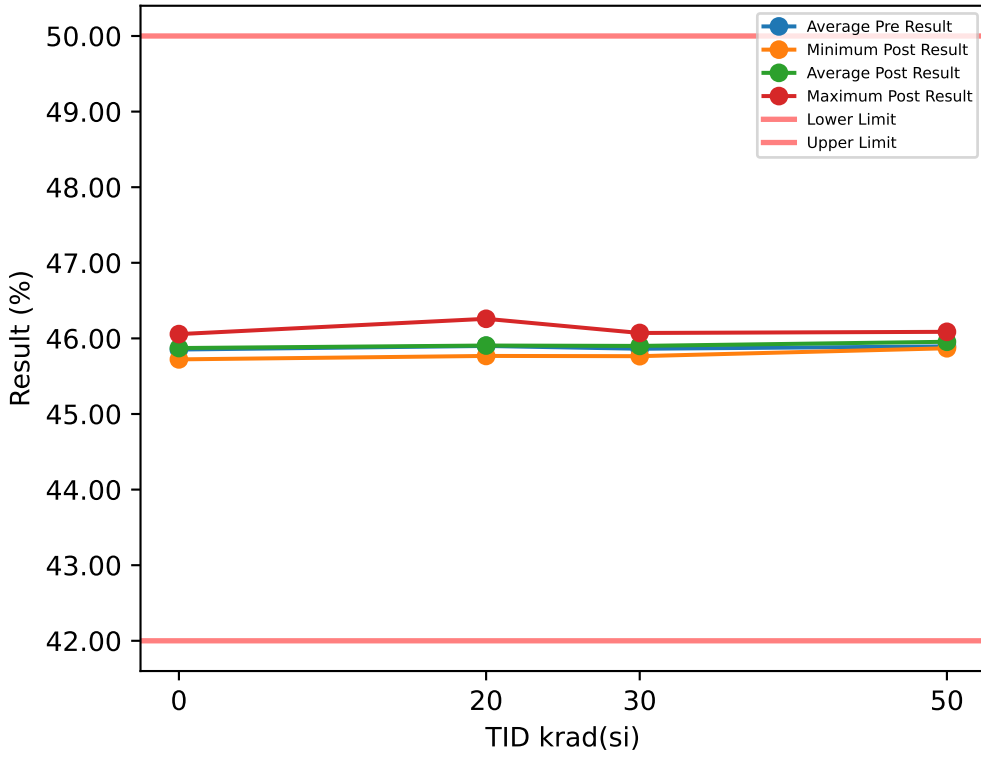
TID vs Post - Pre Exposure Delta



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	45.709	45.858	46.06	0.13523	45.727	45.885	46.084	0.13352	0.0187	0.02742	0.0431	0.0094832
20	45.715	45.904	46.221	0.1539	45.772	45.912	46.268	0.15612	-0.0649	0.00773	0.0569	0.040306
30	45.648	45.864	46.055	0.13355	45.755	45.901	46.065	0.10247	-0.0332	0.03677	0.1096	0.056067
50	45.744	45.89	45.98	0.073174	45.849	45.96	46.111	0.084319	-0.058	0.07022	0.1484	0.05608

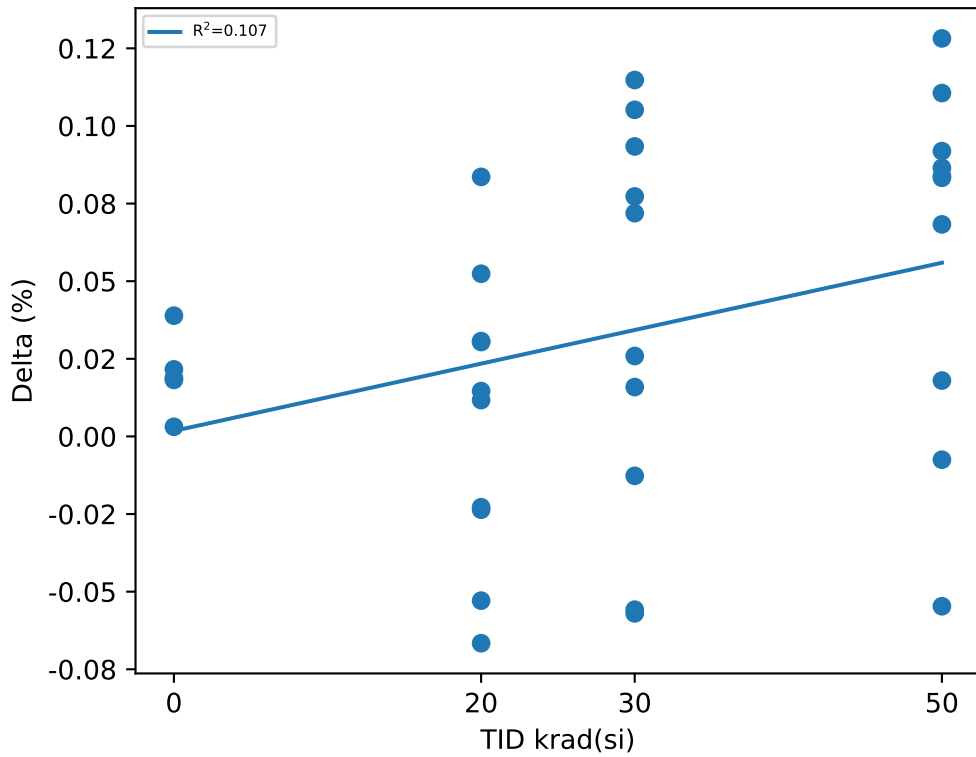
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.067	46.014	-0.0529
371	20	Unbiased	45.926	45.979	0.0524
383	20	Unbiased	45.862	45.946	0.0836
390	50	Unbiased	45.913	45.931	0.018
444	30	Unbiased	45.869	45.885	0.0159
509	30	Unbiased	45.786	45.901	0.1148
558	0	Correlation	45.774	45.777	0.0031
724	20	Biased	45.797	45.774	-0.0228
744	50	Biased	45.997	45.989	-0.0075
799	50	Biased	45.956	46.048	0.0919
842	30	Unbiased	46	46.072	0.0719
930	50	Unbiased	45.872	45.955	0.0833
964	20	Unbiased	45.835	45.768	-0.0666
1056	0	Correlation	45.905	45.924	0.0188
1095	50	Unbiased	45.959	46.087	0.1282
1099	0	Correlation	45.844	45.883	0.0389
1215	50	Unbiased	45.828	45.914	0.0865
1229	50	Unbiased	45.882	45.965	0.0839
1297	20	Biased	45.894	45.87	-0.0236
1331	30	Unbiased	45.709	45.787	0.0773
1337	20	Biased	45.864	45.895	0.0304
1359	30	Biased	45.809	45.797	-0.0127
1375	30	Unbiased	45.964	45.908	-0.0558
1398	30	Biased	46.065	46.008	-0.057
1401	20	Biased	46.245	46.259	0.0146
1411	50	Biased	45.759	45.87	0.1106
1474	50	Biased	45.839	45.908	0.0683
1500	20	Unbiased	45.741	45.772	0.0307
1504	50	Biased	45.941	45.887	-0.0547
1662	30	Biased	45.66	45.765	0.1052
1703	30	Biased	45.933	45.959	0.0259
1736	30	Biased	45.832	45.926	0.0934
1737	0	Correlation	46.038	46.057	0.0182
1748	0	Correlation	45.701	45.722	0.0216
1794	20	Biased	45.768	45.78	0.0117

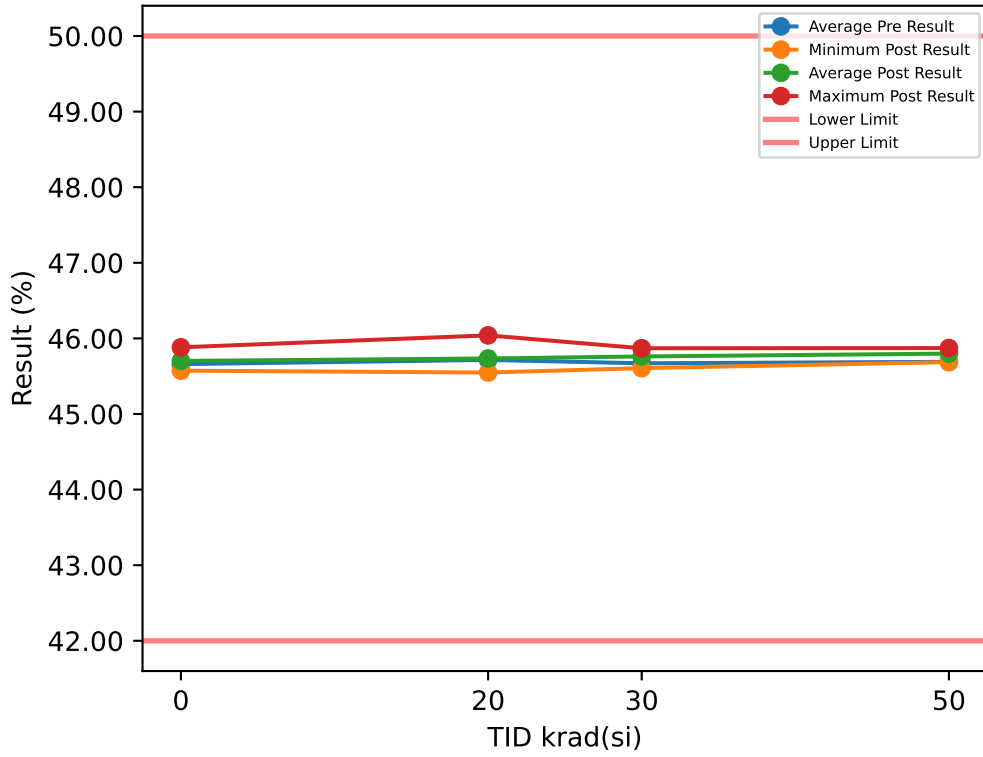
TID vs Post - Pre Exposure Delta



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	45.701	45.852	46.038	0.12901	45.722	45.873	46.057	0.13063	0.0031	0.02012	0.0389	0.012747
20	45.741	45.9	46.245	0.15184	45.768	45.906	46.259	0.15455	-0.0666	0.00575	0.0836	0.04706
30	45.66	45.863	46.065	0.1288	45.765	45.901	46.072	0.098501	-0.057	0.03789	0.1148	0.064296
50	45.759	45.895	45.997	0.072628	45.87	45.955	46.087	0.069761	-0.0547	0.06085	0.1282	0.057333

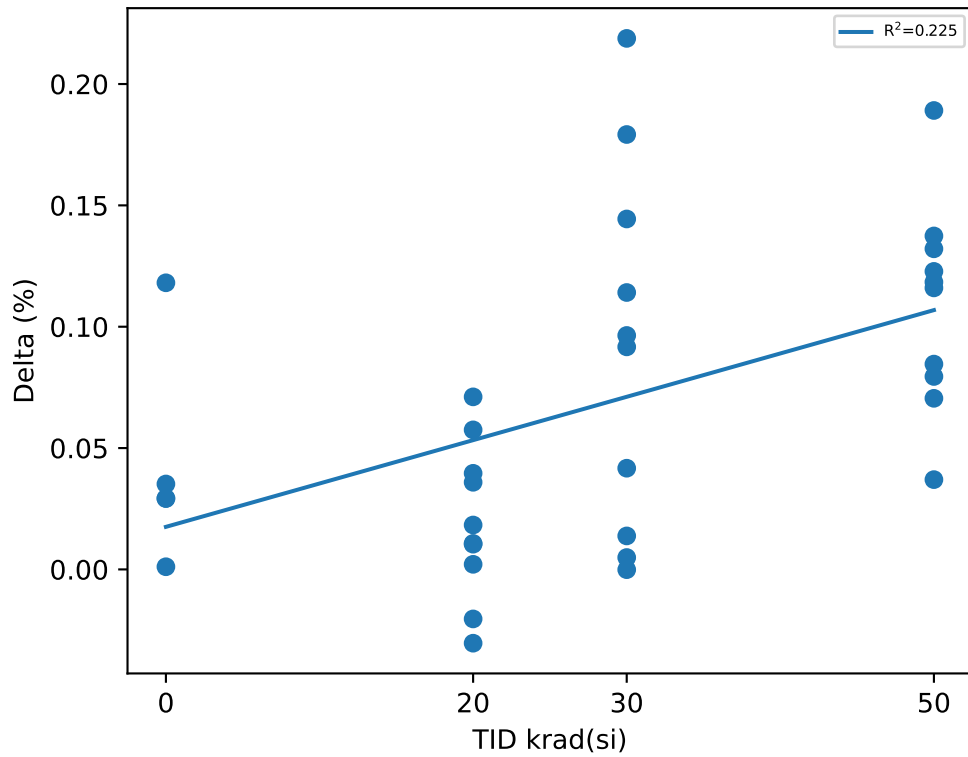
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	45.804	45.784	-0.0204
371	20	Unbiased	45.72	45.76	0.0396
383	20	Unbiased	45.744	45.815	0.0711
390	50	Unbiased	45.71	45.826	0.116
444	30	Unbiased	45.713	45.755	0.0417
509	30	Unbiased	45.617	45.836	0.2188
558	0	Correlation	45.572	45.573	0.0011
724	20	Biased	45.662	45.632	-0.0304
744	50	Biased	45.761	45.798	0.037
799	50	Biased	45.74	45.872	0.1321
842	30	Unbiased	45.778	45.87	0.0917
930	50	Unbiased	45.64	45.829	0.1891
964	20	Unbiased	45.656	45.667	0.0104
1056	0	Correlation	45.708	45.737	0.0293
1095	50	Unbiased	45.736	45.821	0.0846
1099	0	Correlation	45.616	45.734	0.1181
1215	50	Unbiased	45.665	45.783	0.1184
1229	50	Unbiased	45.73	45.852	0.1228
1297	20	Biased	45.731	45.733	0.0021
1331	30	Unbiased	45.482	45.627	0.1444
1337	20	Biased	45.628	45.664	0.0359
1359	30	Biased	45.606	45.606	-0.0001
1375	30	Unbiased	45.795	45.8	0.0049
1398	30	Biased	45.803	45.816	0.0138
1401	20	Biased	46.029	46.04	0.0107
1411	50	Biased	45.616	45.686	0.0705
1474	50	Biased	45.614	45.694	0.0795
1500	20	Unbiased	45.53	45.548	0.0183
1504	50	Biased	45.689	45.826	0.1374
1662	30	Biased	45.52	45.616	0.0964
1703	30	Biased	45.747	45.861	0.1141
1736	30	Biased	45.645	45.824	0.1792
1737	0	Correlation	45.853	45.882	0.0292
1748	0	Correlation	45.549	45.584	0.0352
1794	20	Biased	45.647	45.705	0.0575

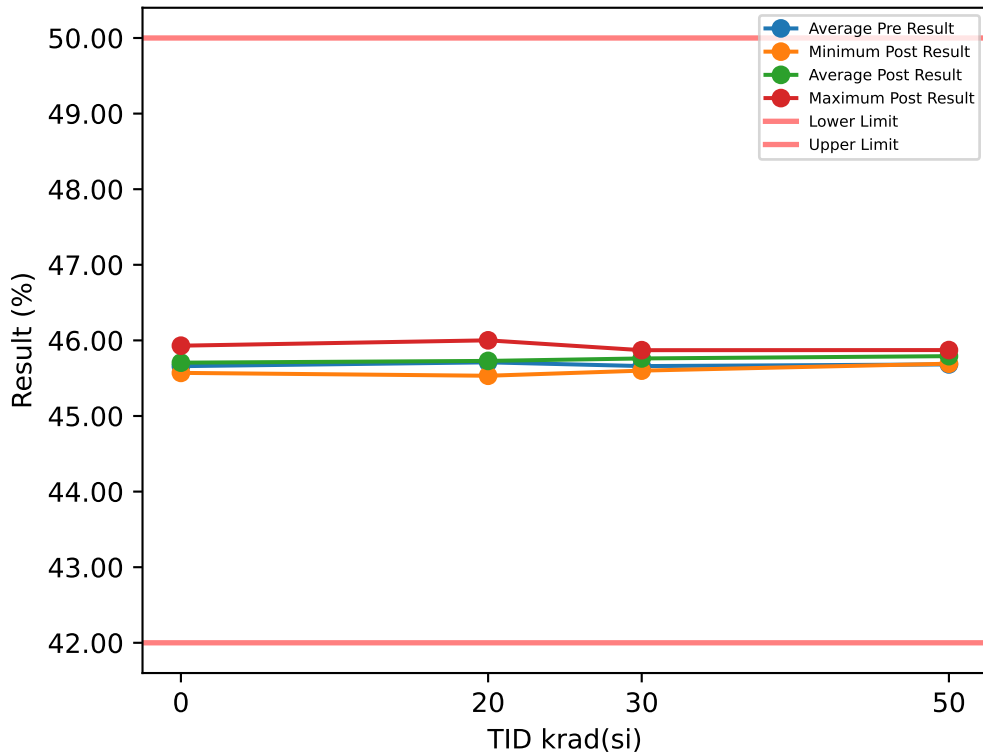
TID vs Post - Pre Exposure Delta



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	45.549	45.66	45.853	0.12395	45.573	45.702	45.882	0.12758	0.0011	0.04258	0.1181	0.044254
20	45.53	45.715	46.029	0.13357	45.548	45.735	46.04	0.13276	-0.0304	0.01948	0.0711	0.03219
30	45.482	45.671	45.803	0.11452	45.606	45.761	45.87	0.10496	-0.0001	0.09049	0.2188	0.075739
50	45.614	45.69	45.761	0.053844	45.686	45.799	45.872	0.062453	0.037	0.10874	0.1891	0.042446

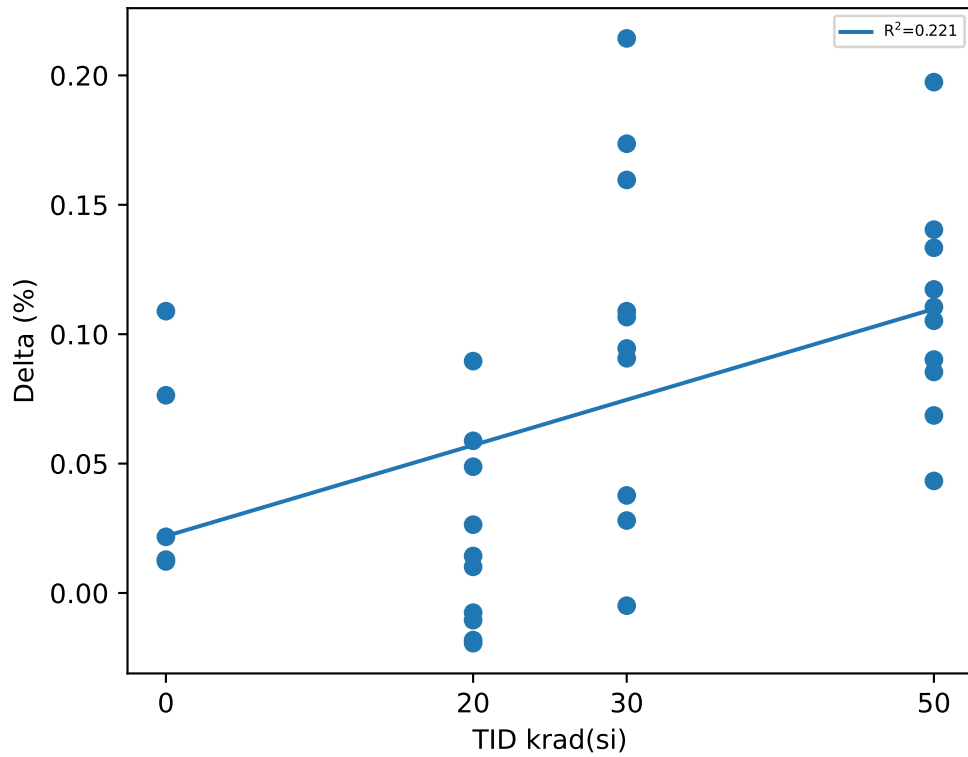
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	45.802	45.795	-0.0076
371	20	Unbiased	45.706	45.765	0.0588
383	20	Unbiased	45.73	45.819	0.0896
390	50	Unbiased	45.709	45.799	0.0902
444	30	Unbiased	45.693	45.783	0.0907
509	30	Unbiased	45.611	45.785	0.1736
558	0	Correlation	45.556	45.578	0.0217
724	20	Biased	45.648	45.638	-0.0105
744	50	Biased	45.741	45.785	0.0433
799	50	Biased	45.732	45.872	0.1404
842	30	Unbiased	45.776	45.871	0.0945
930	50	Unbiased	45.651	45.848	0.1974
964	20	Unbiased	45.663	45.644	-0.0194
1056	0	Correlation	45.724	45.736	0.0122
1095	50	Unbiased	45.72	45.837	0.1173
1099	0	Correlation	45.604	45.713	0.1089
1215	50	Unbiased	45.656	45.761	0.1052
1229	50	Unbiased	45.699	45.832	0.1334
1297	20	Biased	45.723	45.733	0.0101
1331	30	Unbiased	45.487	45.647	0.1596
1337	20	Biased	45.626	45.675	0.0488
1359	30	Biased	45.572	45.6	0.028
1375	30	Unbiased	45.78	45.818	0.0377
1398	30	Biased	45.819	45.814	-0.0049
1401	20	Biased	46.019	46.001	-0.0182
1411	50	Biased	45.613	45.699	0.0854
1474	50	Biased	45.623	45.692	0.0686
1500	20	Unbiased	45.518	45.532	0.0143
1504	50	Biased	45.679	45.789	0.1105
1662	30	Biased	45.5	45.607	0.1066
1703	30	Biased	45.736	45.845	0.1089
1736	30	Biased	45.628	45.842	0.2143
1737	0	Correlation	45.854	45.93	0.0764
1748	0	Correlation	45.557	45.57	0.0129
1794	20	Biased	45.66	45.686	0.0264

TID vs Post - Pre Exposure Delta

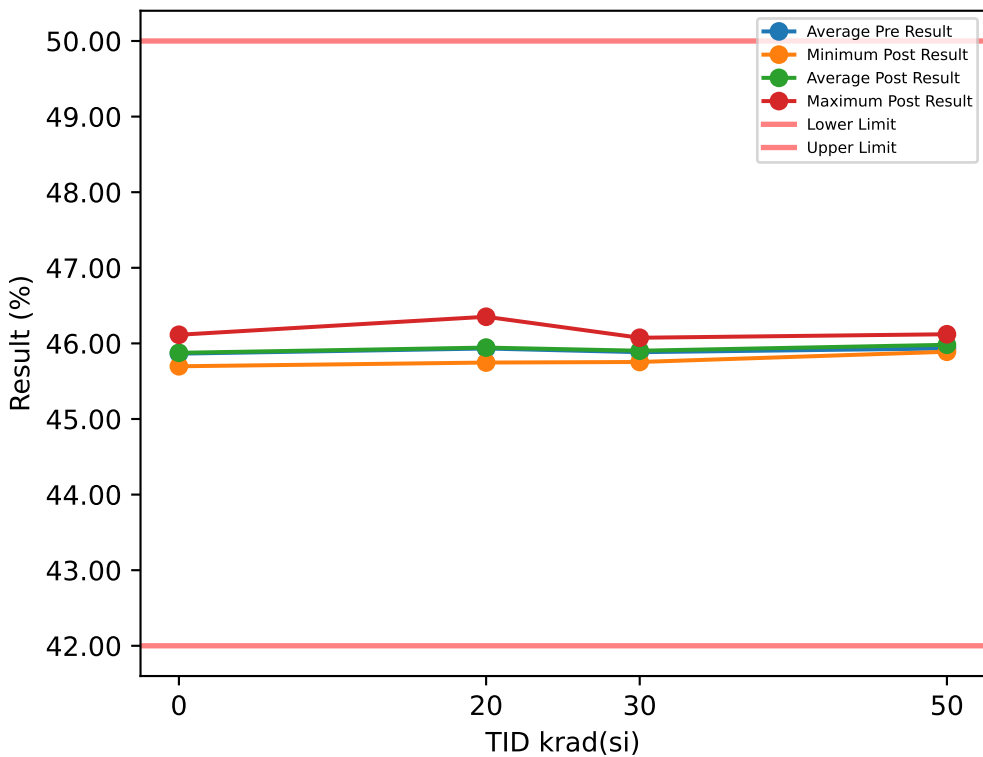


Test Statistics (%)

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	45.556	45.659	45.854	0.12842	45.57	45.706	45.93	0.14651	0.0122	0.04642	0.1089	0.043898
20	45.518	45.71	46.019	0.13214	45.532	45.729	46.001	0.12772	-0.0194	0.01923	0.0896	0.036588
30	45.487	45.66	45.819	0.11856	45.6	45.761	45.871	0.10301	-0.0049	0.1009	0.2143	0.068584
50	45.613	45.682	45.741	0.045103	45.692	45.791	45.872	0.060624	0.0433	0.10917	0.1974	0.04261

Device Test: 27.45 LEVEL|DCL/OUT/8/8/0/0/5/100kHz//@MAX_DCL_50

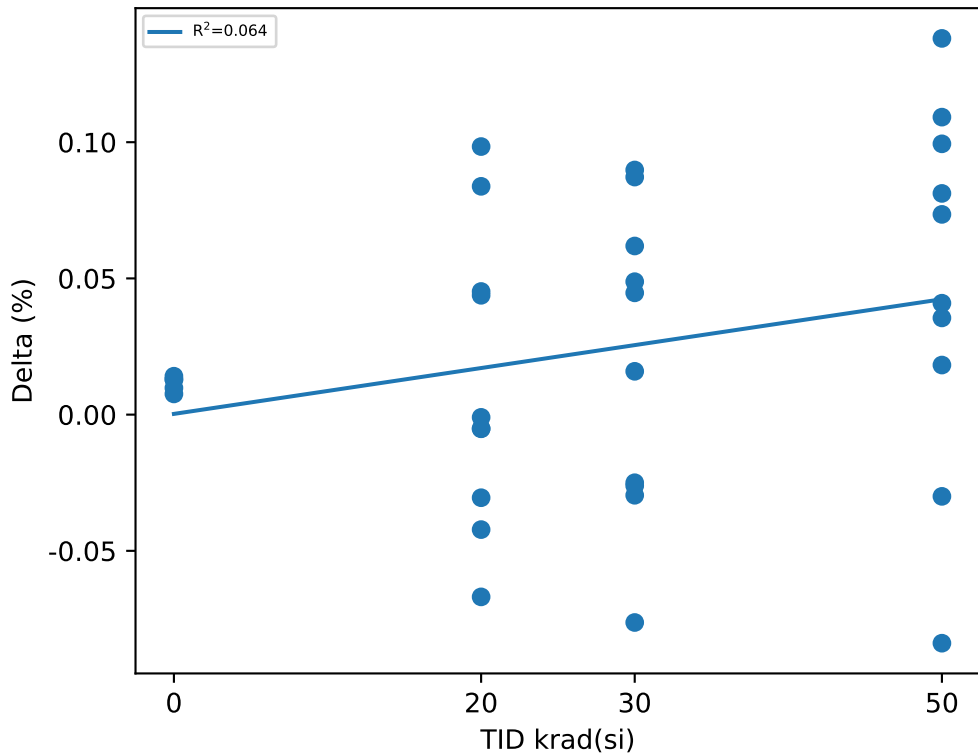
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.109	46.067	-0.0422
371	20	Unbiased	46.008	46.007	-0.001
383	20	Unbiased	45.948	45.943	-0.0051
390	50	Unbiased	45.928	46.037	0.1092
444	30	Unbiased	45.87	45.841	-0.0296
509	30	Unbiased	45.814	45.876	0.0619
558	0	Correlation	45.776	45.786	0.0098
724	20	Biased	45.821	45.905	0.0838
744	50	Biased	46.026	45.996	-0.03
799	50	Biased	46.007	46.048	0.0409
842	30	Unbiased	46.03	46.075	0.0447
930	50	Unbiased	45.908	45.981	0.0735
964	20	Unbiased	45.874	45.807	-0.0669
1056	0	Correlation	45.887	45.9	0.0129
1095	50	Unbiased	45.983	46.121	0.1381
1099	0	Correlation	45.866	45.88	0.0141
1215	50	Unbiased	45.85	45.931	0.0812
1229	50	Unbiased	45.97	45.989	0.0182
1297	20	Biased	45.964	45.933	-0.0305
1331	30	Unbiased	45.705	45.754	0.0488
1337	20	Biased	45.828	45.873	0.0452
1359	30	Biased	45.781	45.871	0.0898
1375	30	Unbiased	45.986	45.91	-0.0763
1398	30	Biased	46.1	46.074	-0.0261
1401	20	Biased	46.254	46.352	0.0984
1411	50	Biased	45.79	45.889	0.0994
1474	50	Biased	45.89	45.926	0.0355
1500	20	Unbiased	45.768	45.812	0.0438
1504	50	Biased	45.98	45.896	-0.0839
1662	30	Biased	45.684	45.771	0.0872
1703	30	Biased	45.994	45.969	-0.025
1736	30	Biased	45.874	45.89	0.0159
1737	0	Correlation	46.106	46.114	0.0076
1748	0	Correlation	45.684	45.697	0.0129
1794	20	Biased	45.752	45.747	-0.0052

TID vs Post - Pre Exposure Delta

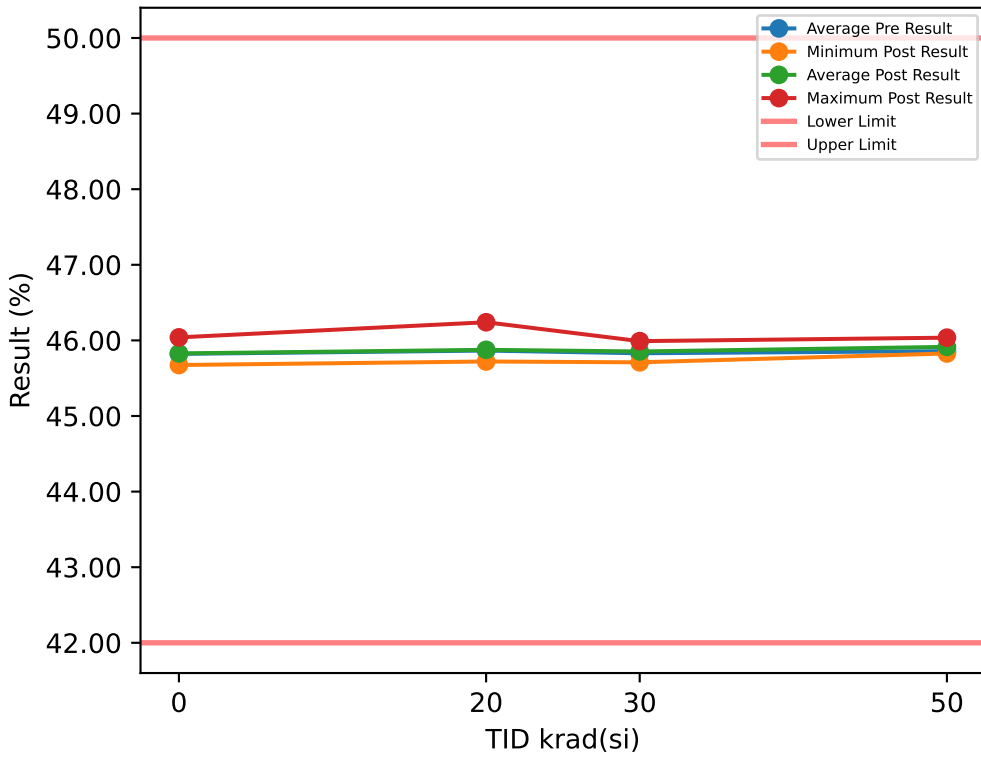


Test Statistics (%)

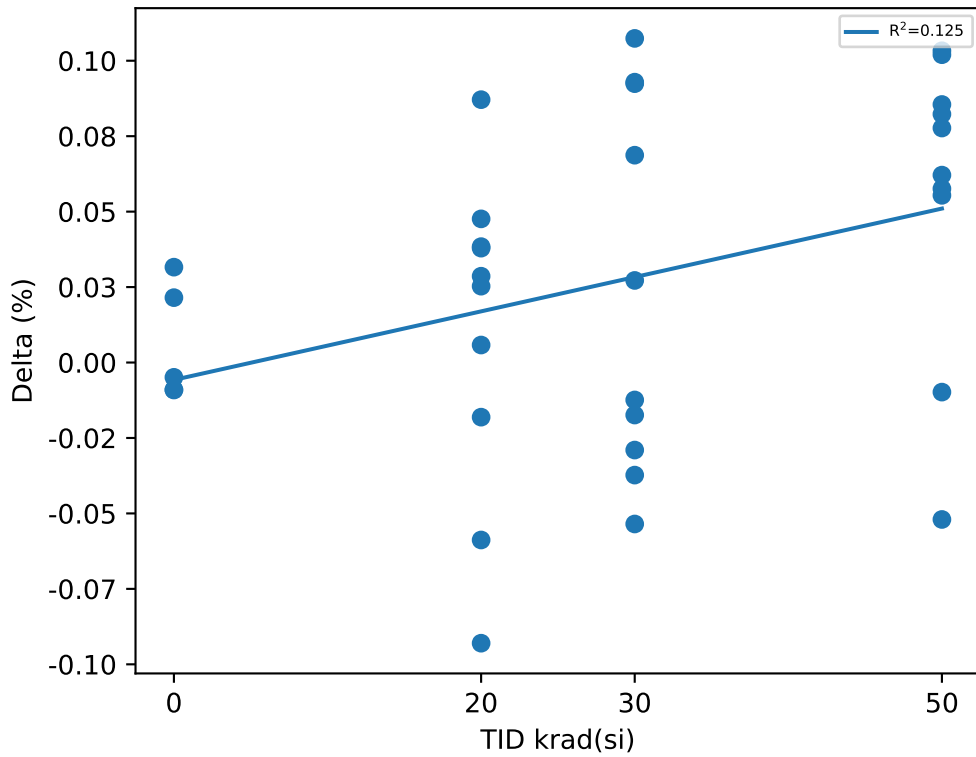
krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	45.684	45.864	46.106	0.15752	45.697	45.876	46.114	0.15593	0.0076	0.01146	0.0141	0.002682
20	45.752	45.932	46.254	0.15915	45.747	45.945	46.352	0.17244	-0.0669	0.01203	0.0984	0.054222
30	45.684	45.884	46.1	0.1406	45.754	45.903	46.075	0.10969	-0.0763	0.01913	0.0898	0.05625
50	45.79	45.933	46.026	0.074555	45.889	45.981	46.121	0.073442	-0.0839	0.04821	0.1381	0.067358

Device Test: 27.46 LEVEL|DCL/OUT/8/8/0/0/5/200kHz//@MAX_DCL_50

TID vs Result Stats



TID vs Post - Pre Exposure Delta



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

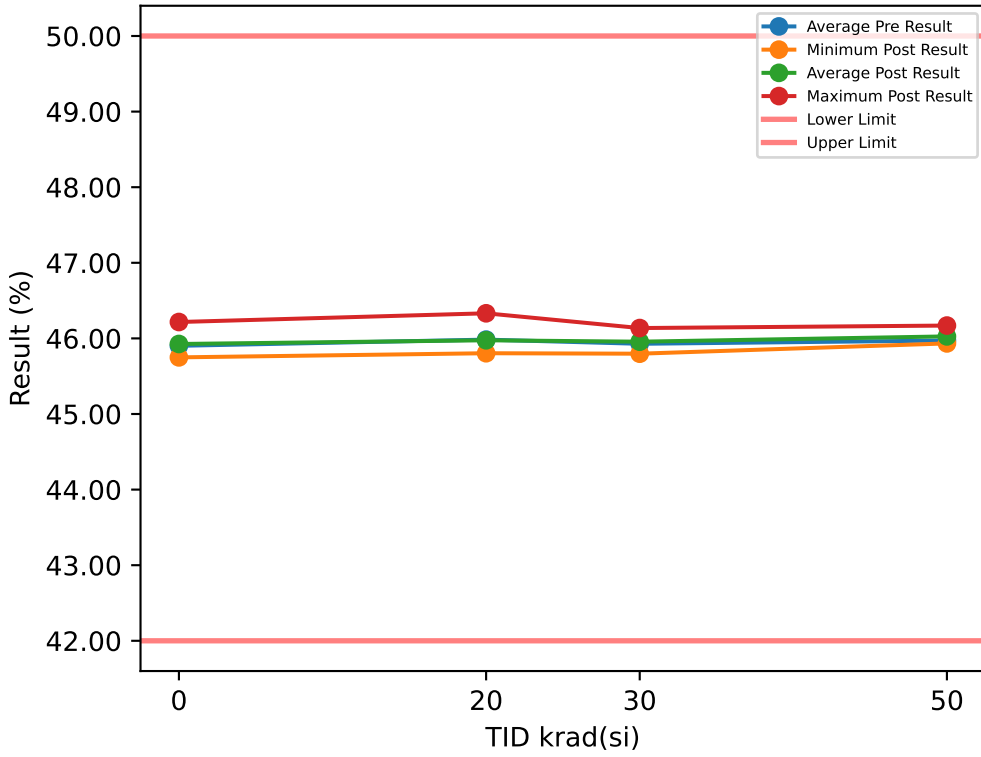
Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.036	45.977	-0.0588
371	20	Unbiased	45.928	45.934	0.0058
383	20	Unbiased	45.849	45.936	0.0871
390	50	Unbiased	45.877	45.935	0.0576
444	30	Unbiased	45.844	45.827	-0.0174
509	30	Unbiased	45.743	45.85	0.1074
558	0	Correlation	45.739	45.73	-0.009
724	20	Biased	45.752	45.79	0.0379
744	50	Biased	45.956	45.946	-0.0098
799	50	Biased	45.93	46.012	0.0823
842	30	Unbiased	45.963	45.99	0.0272
930	50	Unbiased	45.829	45.914	0.0855
964	20	Unbiased	45.826	45.733	-0.093
1056	0	Correlation	45.854	45.875	0.0215
1095	50	Unbiased	45.934	46.036	0.102
1099	0	Correlation	45.825	45.82	-0.0049
1215	50	Unbiased	45.786	45.864	0.0777
1229	50	Unbiased	45.849	45.905	0.0554
1297	20	Biased	45.882	45.864	-0.0181
1331	30	Unbiased	45.641	45.733	0.0924
1337	20	Biased	45.774	45.812	0.0384
1359	30	Biased	45.773	45.744	-0.029
1375	30	Unbiased	45.953	45.916	-0.0373
1398	30	Biased	46.02	45.967	-0.0535
1401	20	Biased	46.192	46.24	0.0476
1411	50	Biased	45.724	45.827	0.1033
1474	50	Biased	45.794	45.856	0.0621
1500	20	Unbiased	45.692	45.721	0.0286
1504	50	Biased	45.9	45.848	-0.052
1662	30	Biased	45.617	45.71	0.0929
1703	30	Biased	45.934	45.922	-0.0124
1736	30	Biased	45.808	45.877	0.0687
1737	0	Correlation	46.008	46.04	0.0316
1748	0	Correlation	45.683	45.674	-0.0091
1794	20	Biased	45.721	45.746	0.0253

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	45.683	45.822	46.008	0.12431	45.674	45.828	46.04	0.14179	-0.0091	0.00602	0.0316	0.019154
20	45.692	45.865	46.192	0.15424	45.721	45.875	46.24	0.15723	-0.093	0.01008	0.0871	0.053409
30	45.617	45.83	46.02	0.13849	45.71	45.854	45.99	0.099162	-0.0535	0.0239	0.1074	0.061465
50	45.724	45.858	45.956	0.075093	45.827	45.914	46.036	0.0697	-0.052	0.05641	0.1033	0.049909

Device Test: 27.48 LEVEL|WRST_MAX/OUT/8/8/0/0/5/100kHz//@MAX_DCL_50

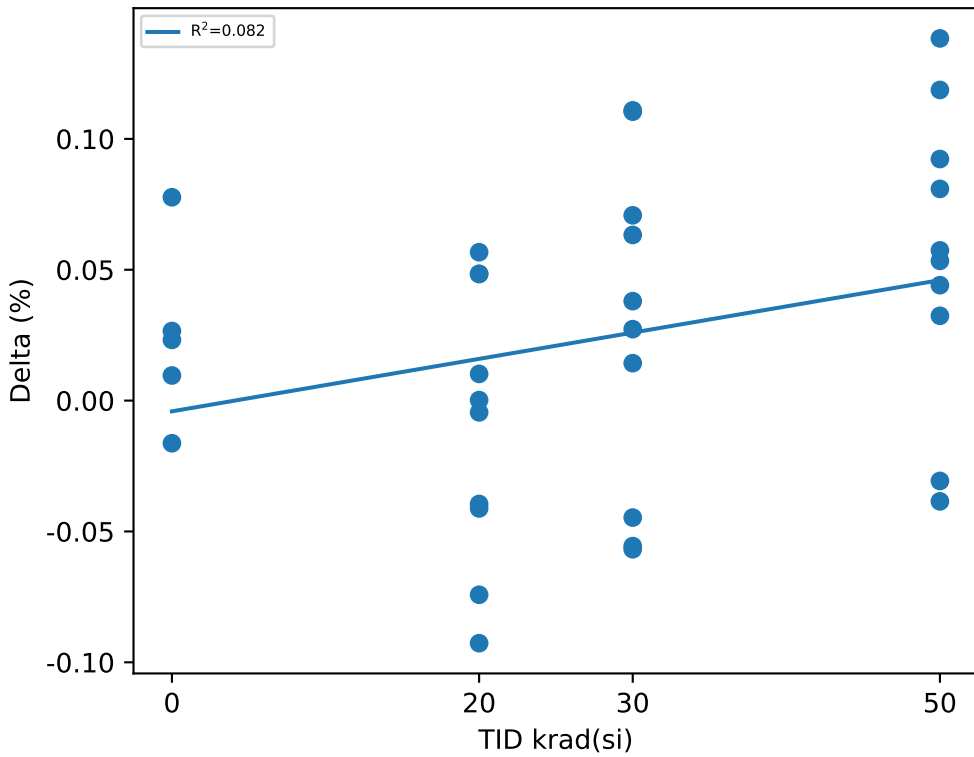
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.167	46.093	-0.0742
371	20	Unbiased	46.049	46.045	-0.0045
383	20	Unbiased	46.029	45.988	-0.0412
390	50	Unbiased	45.951	46.069	0.1187
444	30	Unbiased	45.895	45.922	0.0273
509	30	Unbiased	45.867	45.938	0.0708
558	0	Correlation	45.786	45.813	0.0266
724	20	Biased	45.856	45.905	0.0484
744	50	Biased	46.062	46.094	0.0324
799	50	Biased	46.057	46.102	0.0441
842	30	Unbiased	46.074	46.137	0.0633
930	50	Unbiased	45.959	46.017	0.0574
964	20	Unbiased	45.931	45.838	-0.0927
1056	0	Correlation	45.926	45.949	0.0232
1095	50	Unbiased	46.031	46.17	0.1384
1099	0	Correlation	45.92	45.904	-0.0163
1215	50	Unbiased	45.871	45.952	0.0809
1229	50	Unbiased	46.031	45.992	-0.0385
1297	20	Biased	46.028	45.989	-0.0395
1331	30	Unbiased	45.76	45.798	0.038
1337	20	Biased	45.88	45.891	0.0102
1359	30	Biased	45.828	45.938	0.1104
1375	30	Unbiased	45.983	45.938	-0.0447
1398	30	Biased	46.149	46.092	-0.0568
1401	20	Biased	46.284	46.332	0.0484
1411	50	Biased	45.841	45.934	0.0923
1474	50	Biased	45.911	45.965	0.0534
1500	20	Unbiased	45.81	45.867	0.0567
1504	50	Biased	46.003	45.972	-0.0307
1662	30	Biased	45.764	45.875	0.1109
1703	30	Biased	46.049	45.994	-0.0556
1736	30	Biased	45.918	45.932	0.0143
1737	0	Correlation	46.139	46.217	0.0777
1748	0	Correlation	45.739	45.749	0.0096
1794	20	Biased	45.804	45.804	0.0002

TID vs Post - Pre Exposure Delta

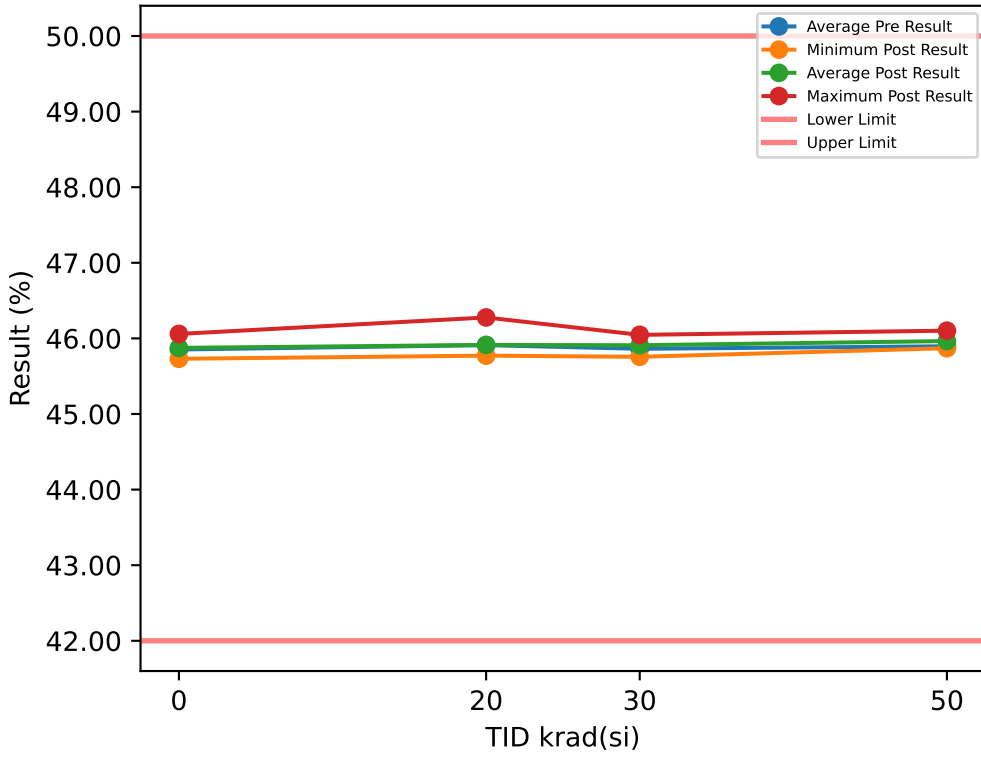


Test Statistics (%)

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	45.739	45.902	46.139	0.15565	45.749	45.926	46.217	0.18006	-0.0163	0.02416	0.0777	0.03436
20	45.804	45.984	46.284	0.15773	45.804	45.975	46.332	0.1557	-0.0927	-0.00882	0.0567	0.052285
30	45.76	45.929	46.149	0.13253	45.798	45.956	46.137	0.098375	-0.0568	0.02779	0.1109	0.063677
50	45.841	45.972	46.062	0.078068	45.934	46.027	46.17	0.078085	-0.0385	0.05484	0.1384	0.057542

Device Test: 27.49 LEVEL|WRST_MAX/OUT/8/8/0/0/5/200kHz//@MAX_DCL_50

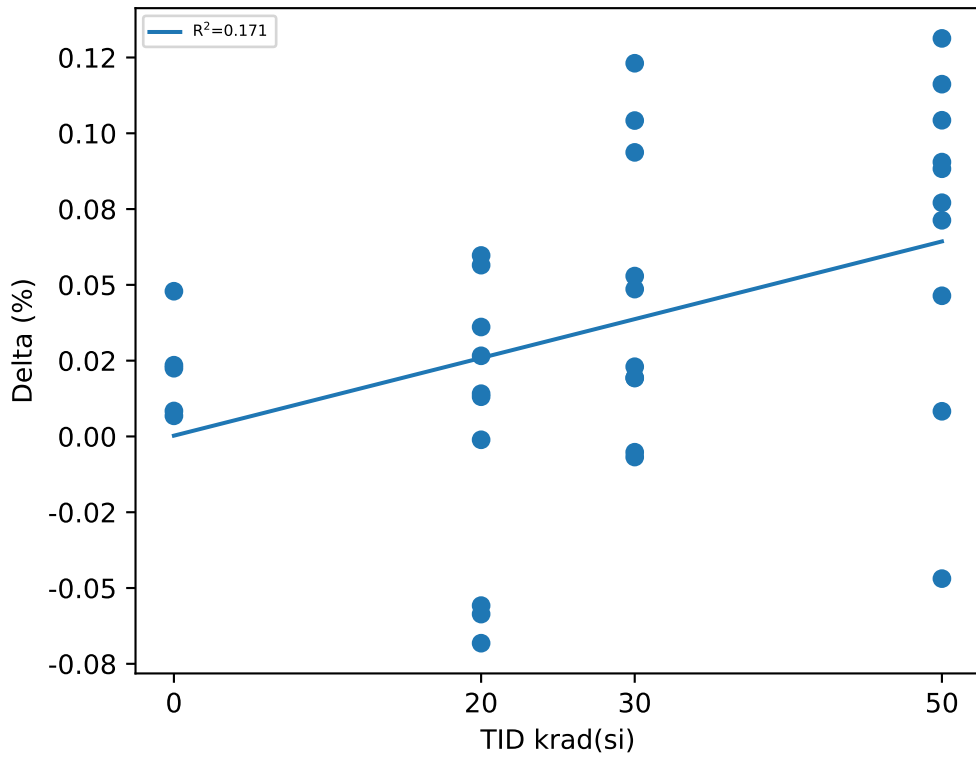
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	46.081	46.022	-0.0586
371	20	Unbiased	45.979	45.978	-0.0011
383	20	Unbiased	45.904	45.963	0.0597
390	50	Unbiased	45.919	45.99	0.0713
444	30	Unbiased	45.874	45.868	-0.0068
509	30	Unbiased	45.788	45.911	0.1231
558	0	Correlation	45.772	45.794	0.0225
724	20	Biased	45.783	45.819	0.0361
744	50	Biased	45.992	46	0.0083
799	50	Biased	45.954	46.045	0.0905
842	30	Unbiased	45.998	46.047	0.0486
930	50	Unbiased	45.86	45.949	0.0883
964	20	Unbiased	45.828	45.772	-0.0558
1056	0	Correlation	45.888	45.912	0.0235
1095	50	Unbiased	45.971	46.102	0.1313
1099	0	Correlation	45.831	45.879	0.0479
1215	50	Unbiased	45.812	45.917	0.1043
1229	50	Unbiased	45.902	45.949	0.0464
1297	20	Biased	45.967	45.899	-0.0682
1331	30	Unbiased	45.694	45.787	0.0937
1337	20	Biased	45.829	45.843	0.0141
1359	30	Biased	45.772	45.792	0.0193
1375	30	Unbiased	45.99	46.013	0.023
1398	30	Biased	46.027	46.022	-0.0052
1401	20	Biased	46.25	46.277	0.0266
1411	50	Biased	45.754	45.87	0.1162
1474	50	Biased	45.855	45.933	0.0771
1500	20	Unbiased	45.72	45.776	0.0565
1504	50	Biased	45.939	45.892	-0.0469
1662	30	Biased	45.703	45.756	0.0529
1703	30	Biased	45.953	45.972	0.0193
1736	30	Biased	45.823	45.927	0.1042
1737	0	Correlation	46.052	46.059	0.0068
1748	0	Correlation	45.722	45.731	0.0084
1794	20	Biased	45.769	45.782	0.0131

TID vs Post - Pre Exposure Delta

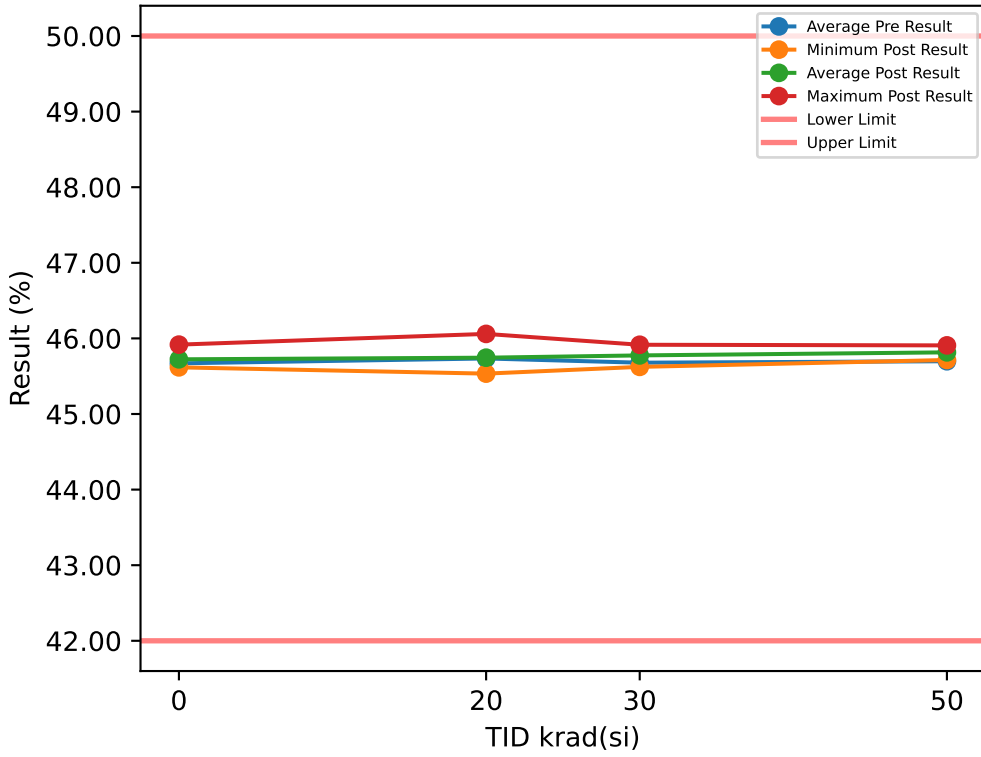


Test Statistics (%)

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	45.722	45.853	46.052	0.12752	45.731	45.875	46.059	0.12503	0.0068	0.02182	0.0479	0.016501
20	45.72	45.911	46.25	0.16277	45.772	45.913	46.277	0.15659	-0.0682	0.00224	0.0597	0.047478
30	45.694	45.862	46.027	0.12433	45.756	45.91	46.047	0.10567	-0.0068	0.04721	0.1231	0.04596
50	45.754	45.896	45.992	0.075046	45.87	45.965	46.102	0.070931	-0.0469	0.06868	0.1313	0.053632

Device Test: 27.50 LEVEL|WRST_MAX/OUT/8/8/0/0/5/500kHz//@MAX_DCL_50

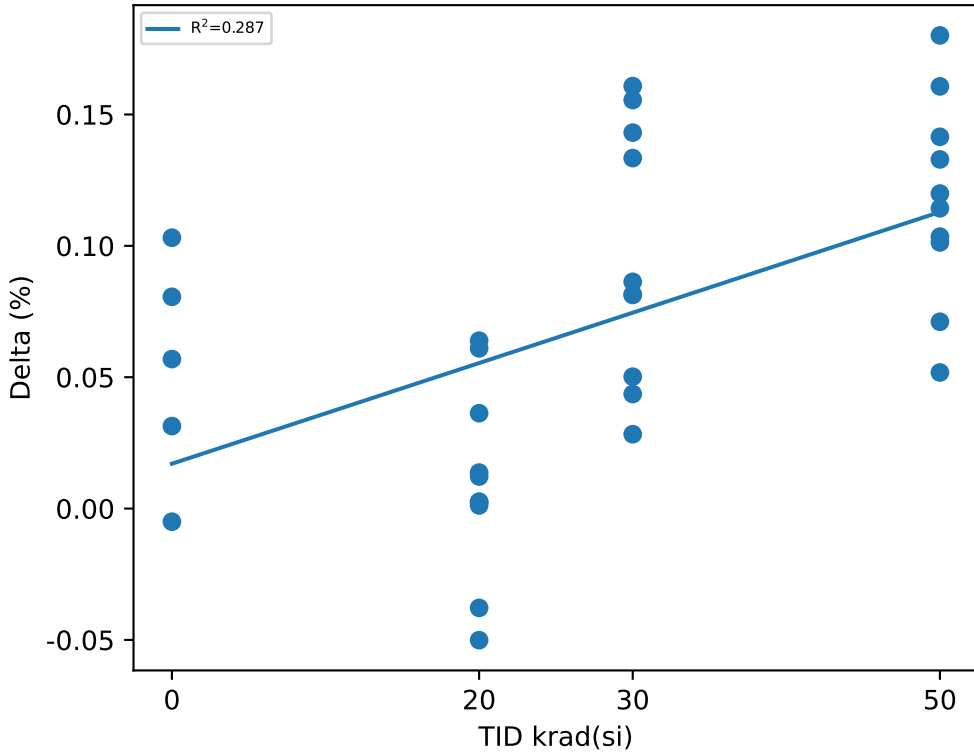
TID vs Result Stats



Test Results (Lower Limit = 42.0, Upper Limit = 50.0 (%))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	45.825	45.775	-0.0501
371	20	Unbiased	45.733	45.77	0.0363
383	20	Unbiased	45.757	45.821	0.0639
390	50	Unbiased	45.724	45.843	0.1199
444	30	Unbiased	45.703	45.789	0.0863
509	30	Unbiased	45.647	45.808	0.1608
558	0	Correlation	45.586	45.617	0.0314
724	20	Biased	45.7	45.663	-0.0378
744	50	Biased	45.753	45.805	0.0518
799	50	Biased	45.747	45.908	0.1607
842	30	Unbiased	45.782	45.916	0.1334
930	50	Unbiased	45.672	45.852	0.1801
964	20	Unbiased	45.671	45.684	0.0137
1056	0	Correlation	45.729	45.724	-0.005
1095	50	Unbiased	45.763	45.834	0.0711
1099	0	Correlation	45.615	45.718	0.1031
1215	50	Unbiased	45.657	45.799	0.1415
1229	50	Unbiased	45.734	45.849	0.1143
1297	20	Biased	45.773	45.775	0.0026
1331	30	Unbiased	45.495	45.639	0.1431
1337	20	Biased	45.62	45.681	0.061
1359	30	Biased	45.573	45.623	0.0502
1375	30	Unbiased	45.778	45.822	0.0436
1398	30	Biased	45.819	45.847	0.0283
1401	20	Biased	46.047	46.059	0.0122
1411	50	Biased	45.611	45.714	0.1035
1474	50	Biased	45.629	45.73	0.1013
1500	20	Unbiased	45.533	45.534	0.0012
1504	50	Biased	45.687	45.82	0.1329
1662	30	Biased	45.544	45.625	0.0815
1703	30	Biased	45.771	45.853	0.0813
1736	30	Biased	45.674	45.83	0.1555
1737	0	Correlation	45.861	45.918	0.0569
1748	0	Correlation	45.56	45.641	0.0806
1794	20	Biased	45.684	45.687	0.0025

TID vs Post - Pre Exposure Delta

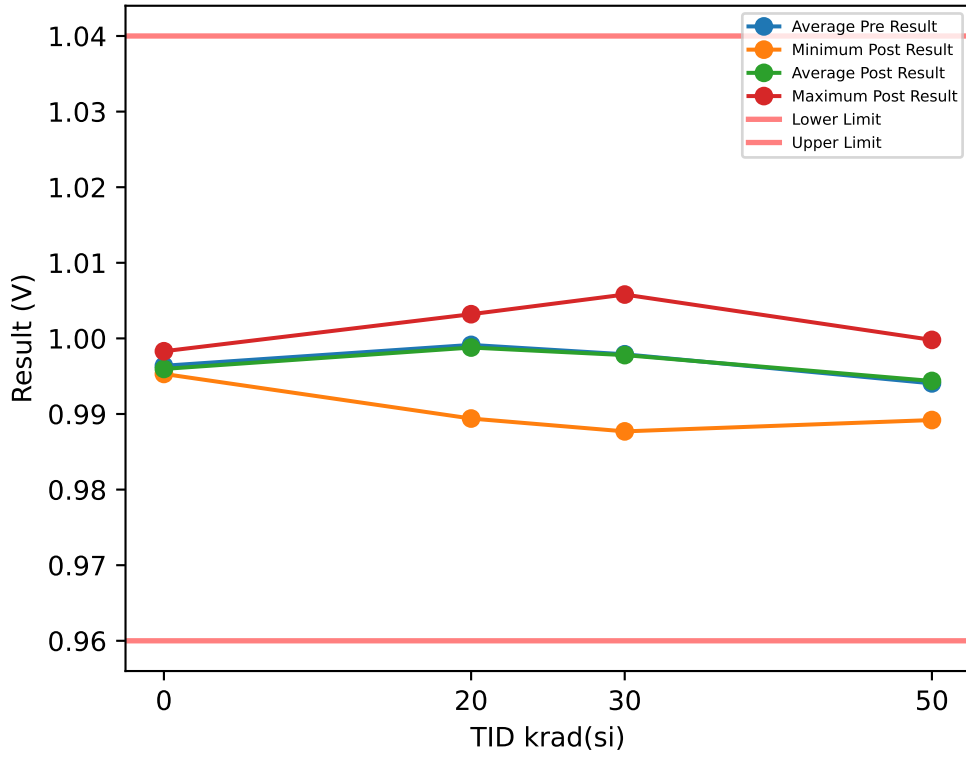


Test Statistics (%)

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	45.56	45.67	45.861	0.1245	45.617	45.723	45.918	0.11818	-0.005	0.0534	0.1031	0.04218
20	45.533	45.734	46.047	0.13721	45.534	45.745	46.059	0.13722	-0.0501	0.01055	0.0639	0.036967
30	45.495	45.679	45.819	0.11229	45.623	45.775	45.916	0.10626	0.0283	0.0964	0.1608	0.048651
50	45.611	45.698	45.763	0.054268	45.714	45.815	45.908	0.05773	0.0518	0.11771	0.1801	0.038789

Device Test: 28.10 VOLTAGE|OC/CS/14/14/0/0/5/500kHz//@V_CS_ILIM_OC

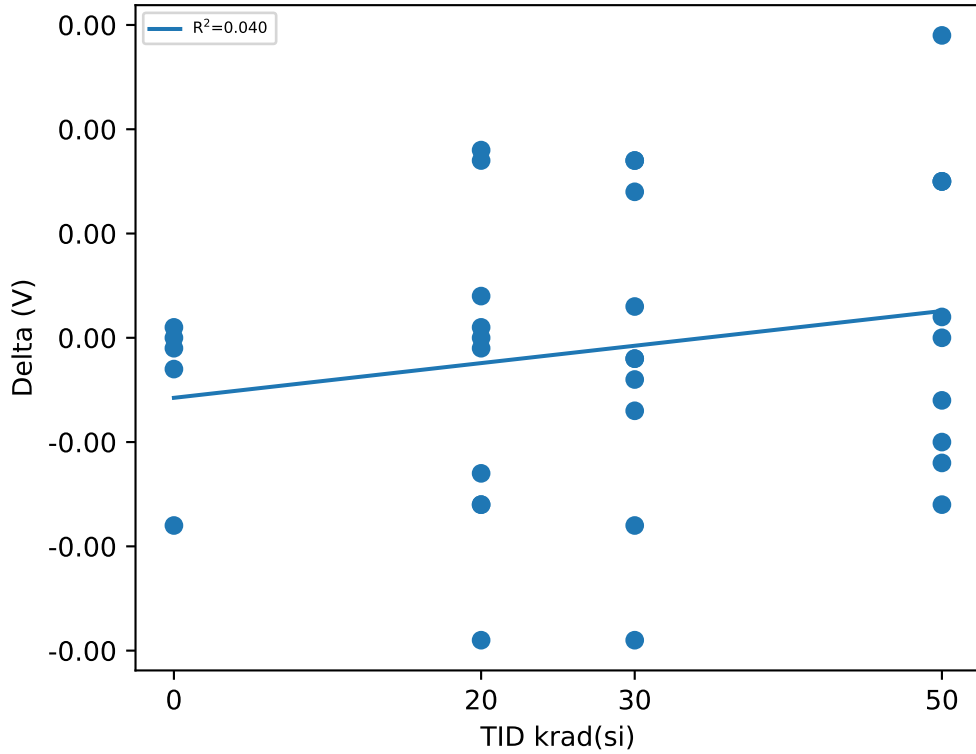
TID vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.9895	0.9894	-0.0001
371	20	Unbiased	0.9998	1.0016	0.0018
383	20	Unbiased	0.9998	0.9969	-0.0029
390	50	Unbiased	0.9939	0.9929	-0.001
444	30	Unbiased	1.0013	1.003	0.0017
509	30	Unbiased	1.0044	1.0058	0.0014
558	0	Correlation	0.9971	0.9953	-0.0018
724	20	Biased	0.9999	1.0003	0.0004
744	50	Biased	0.9877	0.9892	0.0015
799	50	Biased	0.9983	0.9998	0.0015
842	30	Unbiased	1.0033	1.0026	-0.0007
930	50	Unbiased	0.9968	0.997	0.0002
964	20	Unbiased	1.0043	1.003	-0.0013
1056	0	Correlation	0.9986	0.9983	-0.0003
1095	50	Unbiased	0.9909	0.9909	0
1099	0	Correlation	0.9954	0.9955	0.0001
1215	50	Unbiased	0.9987	0.9981	-0.0006
1229	50	Unbiased	0.9922	0.991	-0.0012
1297	20	Biased	1.0031	1.0032	0.0001
1331	30	Unbiased	0.9895	0.9877	-0.0018
1337	20	Biased	0.9998	0.9998	0
1359	30	Biased	0.9984	0.9955	-0.0029
1375	30	Unbiased	0.9956	0.9954	-0.0002
1398	30	Biased	0.9957	0.9953	-0.0004
1401	20	Biased	0.9984	1.0001	0.0017
1411	50	Biased	0.9971	0.9986	0.0015
1474	50	Biased	0.9954	0.9938	-0.0016
1500	20	Unbiased	0.9983	0.9967	-0.0016
1504	50	Biased	0.9895	0.9924	0.0029
1662	30	Biased	0.9955	0.9958	0.0003
1703	30	Biased	0.9999	1.0016	0.0017
1736	30	Biased	0.9954	0.9952	-0.0002
1737	0	Correlation	0.9954	0.9953	-0.0001
1748	0	Correlation	0.9954	0.9954	0
1794	20	Biased	0.9985	0.9969	-0.0016

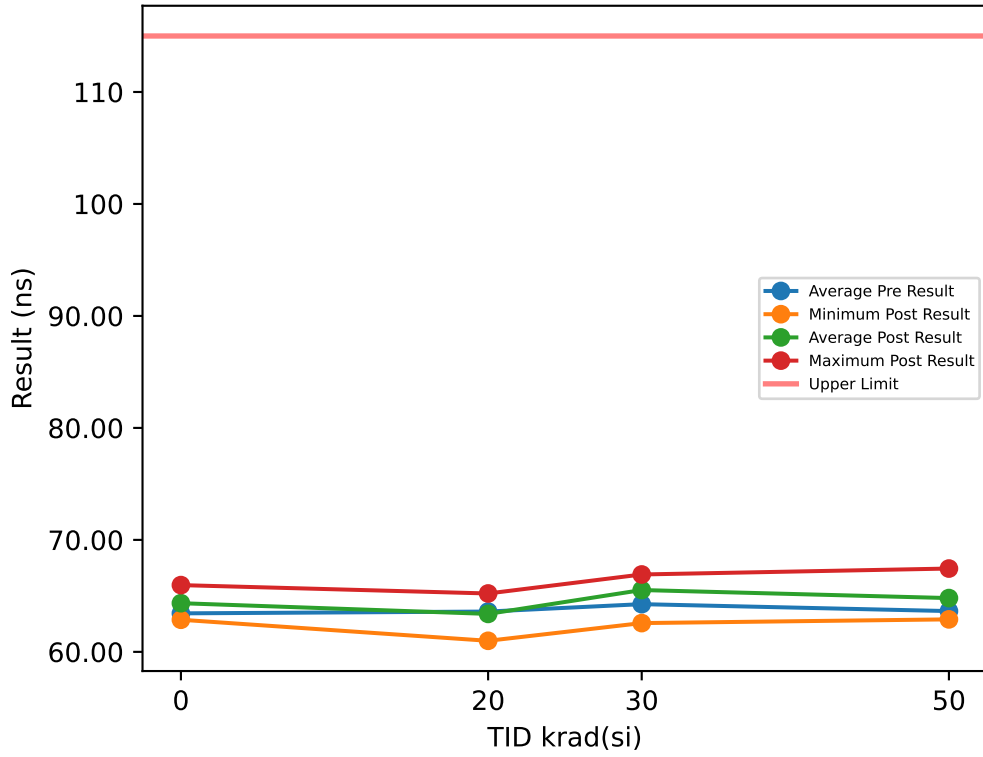
TID vs Post - Pre Exposure Delta



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	0.9954	0.99638	0.9986	0.0014429	0.9953	0.99596	0.9983	0.0013107	-0.0018	-0.00042	0.0001	0.00078549
20	0.9895	0.99914	1.0043	0.0039269	0.9894	0.99879	1.0032	0.0040793	-0.0029	-0.00035	0.0018	0.001502
30	0.9895	0.9979	1.0044	0.0044711	0.9877	0.99779	1.0058	0.0053602	-0.0029	-0.00011	0.0017	0.001494
50	0.9877	0.99405	0.9987	0.0038408	0.9892	0.99437	0.9998	0.0037223	-0.0016	0.00032	0.0029	0.0014733

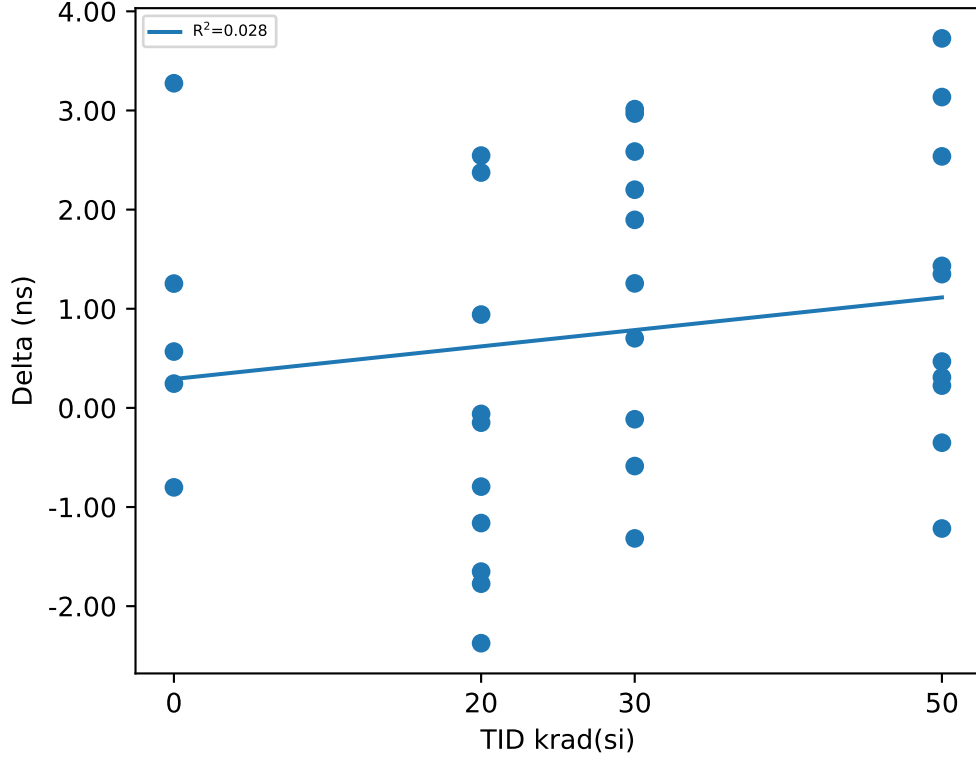
TID vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	65.118	63.467	-1.6514
371	20	Unbiased	62.669	65.214	2.5451
383	20	Unbiased	62.471	64.845	2.3739
390	50	Unbiased	63.77	64.079	0.3085
444	30	Unbiased	65.392	66.648	1.2559
509	30	Unbiased	64.388	66.284	1.8967
558	0	Correlation	63.485	64.053	0.5682
724	20	Biased	64.373	62.6	-1.7731
744	50	Biased	62.839	64.271	1.4323
799	50	Biased	64.305	67.441	3.1353
842	30	Unbiased	63.886	66.472	2.5857
930	50	Unbiased	62.222	65.949	3.727
964	20	Unbiased	62.395	63.336	0.9414
1056	0	Correlation	64.44	63.639	-0.8016
1095	50	Unbiased	64.016	64.24	0.2246
1099	0	Correlation	62.687	65.962	3.2744
1215	50	Unbiased	64.415	63.198	-1.2166
1229	50	Unbiased	63.154	65.691	2.5368
1297	20	Biased	64.048	62.886	-1.1617
1331	30	Unbiased	63.615	65.816	2.2008
1337	20	Biased	63.32	63.171	-0.1491
1359	30	Biased	65.033	63.716	-1.3165
1375	30	Unbiased	65.166	65.868	0.7021
1398	30	Biased	64.449	64.335	-0.1145
1401	20	Biased	63.362	60.988	-2.3735
1411	50	Biased	62.435	62.902	0.4674
1474	50	Biased	64.706	64.355	-0.3511
1500	20	Unbiased	63.551	62.757	-0.7941
1504	50	Biased	64.559	65.908	1.3493
1662	30	Biased	63.157	62.57	-0.5868
1703	30	Biased	63.898	66.911	3.0135
1736	30	Biased	63.623	66.591	2.9685
1737	0	Correlation	63.958	65.212	1.2539
1748	0	Correlation	62.623	62.868	0.2448
1794	20	Biased	64.693	64.632	-0.0607

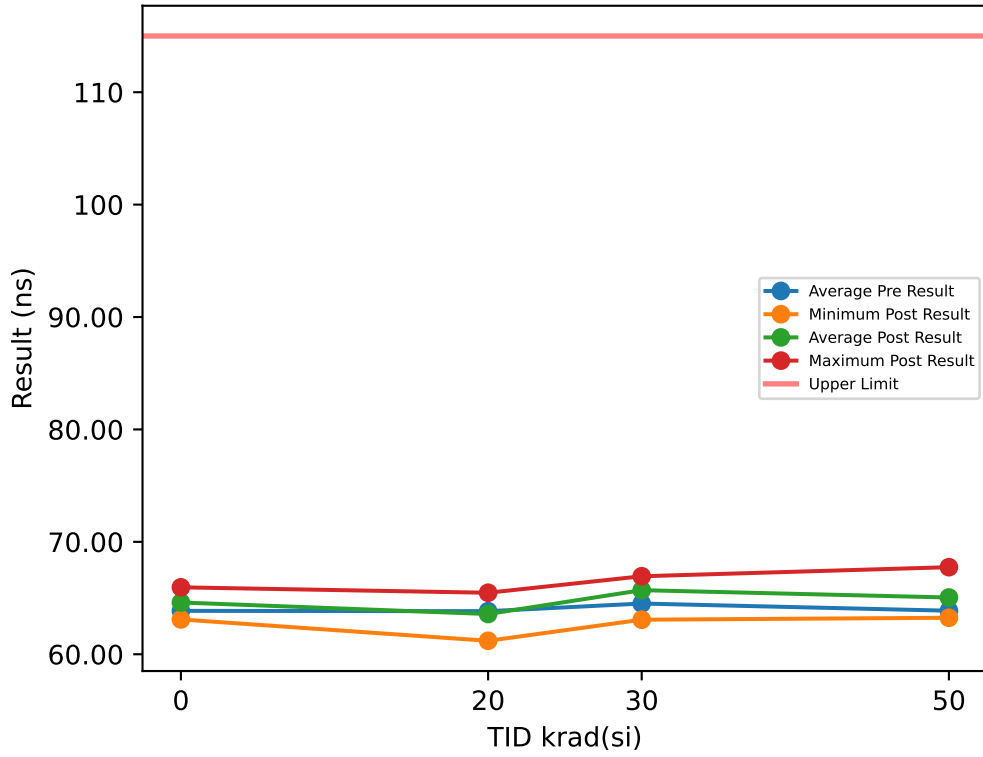
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	62.623	63.439	64.44	0.79121	62.868	64.347	65.962	1.238	-0.8016	0.90794	3.2744	1.5164
20	62.395	63.6	65.118	0.94452	60.988	63.39	65.214	1.2513	-2.3735	-0.21032	2.5451	1.7019
30	63.157	64.261	65.392	0.74991	62.57	65.521	66.911	1.4689	-1.3165	1.2605	3.0135	1.5381
50	62.222	63.642	64.706	0.91433	62.902	64.803	67.441	1.4061	-1.2166	1.1614	3.727	1.5814

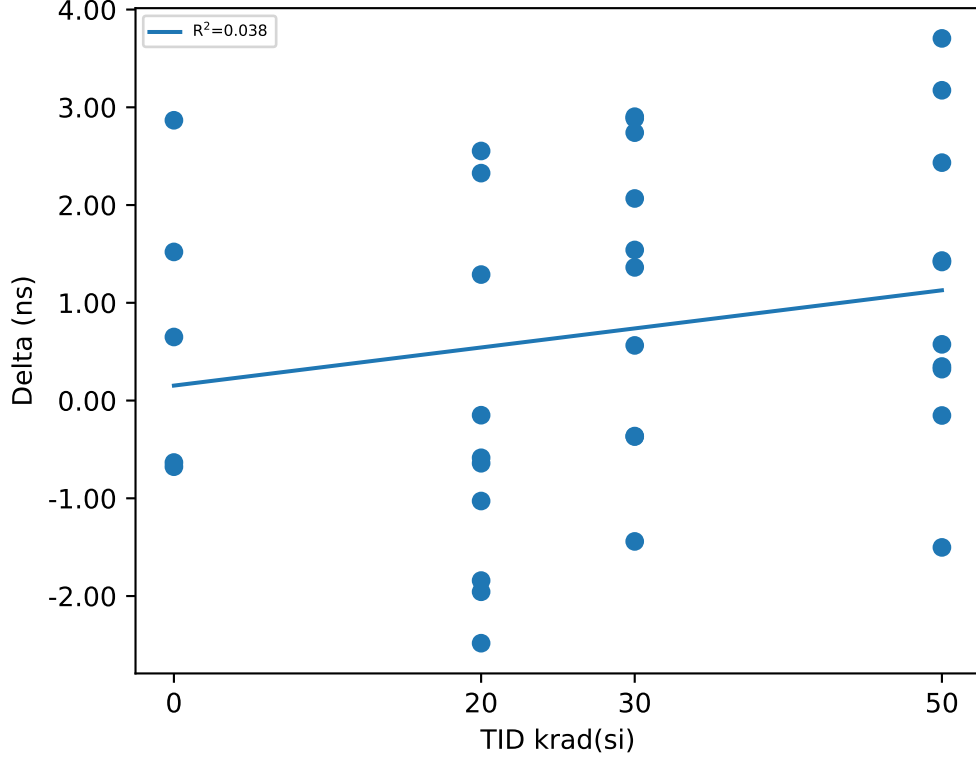
TID vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	65.269	63.313	-1.9562
371	20	Unbiased	62.918	65.471	2.5531
383	20	Unbiased	62.774	65.1	2.3266
390	50	Unbiased	64.051	64.372	0.3212
444	30	Unbiased	65.558	66.92	1.3621
509	30	Unbiased	64.986	66.526	1.5406
558	0	Correlation	63.692	64.343	0.6502
724	20	Biased	64.618	62.776	-1.8415
744	50	Biased	63.074	64.506	1.4323
799	50	Biased	64.572	67.746	3.1742
842	30	Unbiased	63.781	66.521	2.7407
930	50	Unbiased	62.469	66.174	3.7049
964	20	Unbiased	62.421	63.71	1.2888
1056	0	Correlation	64.644	63.968	-0.6768
1095	50	Unbiased	64.171	64.519	0.3482
1099	0	Correlation	63.087	65.954	2.8673
1215	50	Unbiased	64.8	63.298	-1.5023
1229	50	Unbiased	63.401	65.835	2.4339
1297	20	Biased	63.865	63.28	-0.5855
1331	30	Unbiased	63.735	65.802	2.0673
1337	20	Biased	63.995	63.353	-0.6416
1359	30	Biased	65.359	63.918	-1.4411
1375	30	Unbiased	65.414	65.978	0.5641
1398	30	Biased	64.803	64.434	-0.3686
1401	20	Biased	63.68	61.197	-2.4823
1411	50	Biased	62.671	63.246	0.575
1474	50	Biased	64.827	64.674	-0.1528
1500	20	Unbiased	63.707	62.679	-1.0278
1504	50	Biased	64.699	66.116	1.4175
1662	30	Biased	63.438	63.075	-0.3635
1703	30	Biased	64.052	66.938	2.8865
1736	30	Biased	63.997	66.901	2.904
1737	0	Correlation	64.148	65.668	1.5205
1748	0	Correlation	63.732	63.098	-0.6338
1794	20	Biased	65.067	64.918	-0.1499

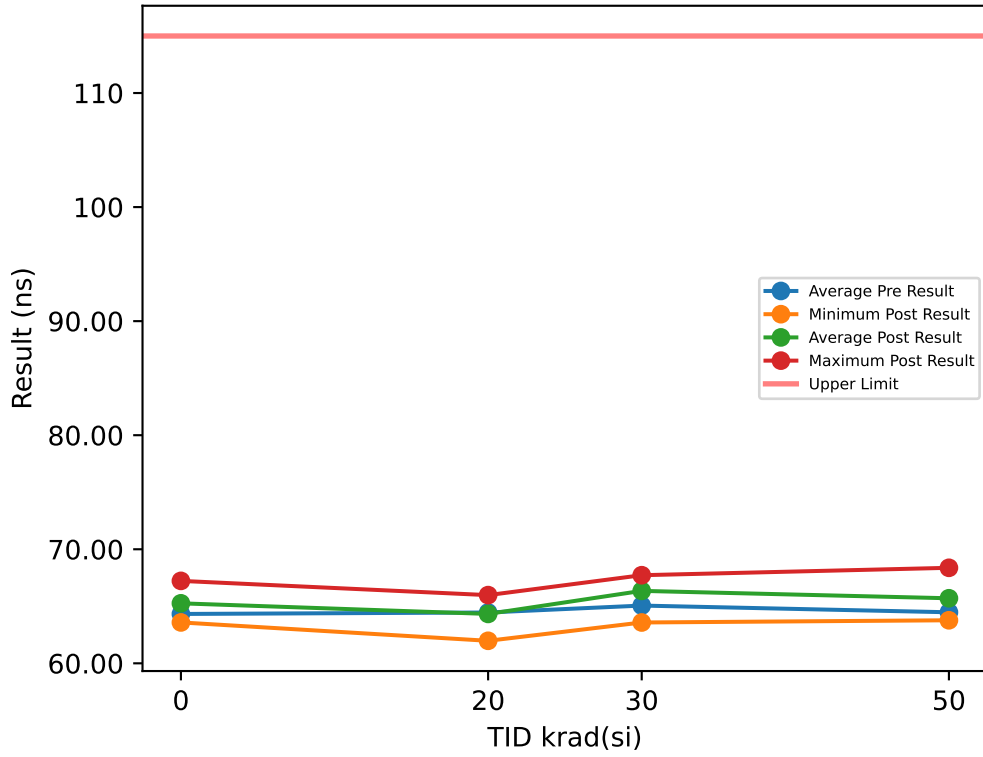
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.087	63.861	64.644	0.57888	63.098	64.606	65.954	1.1934	-0.6768	0.74548	2.8673	1.5031
20	62.421	63.831	65.269	0.95574	61.197	63.58	65.471	1.2927	-2.4823	-0.25163	2.5531	1.7692
30	63.438	64.512	65.558	0.79613	63.075	65.701	66.938	1.3977	-1.4411	1.1892	2.904	1.5384
50	62.469	63.873	64.827	0.90293	63.246	65.049	67.746	1.406	-1.5023	1.1752	3.7049	1.592

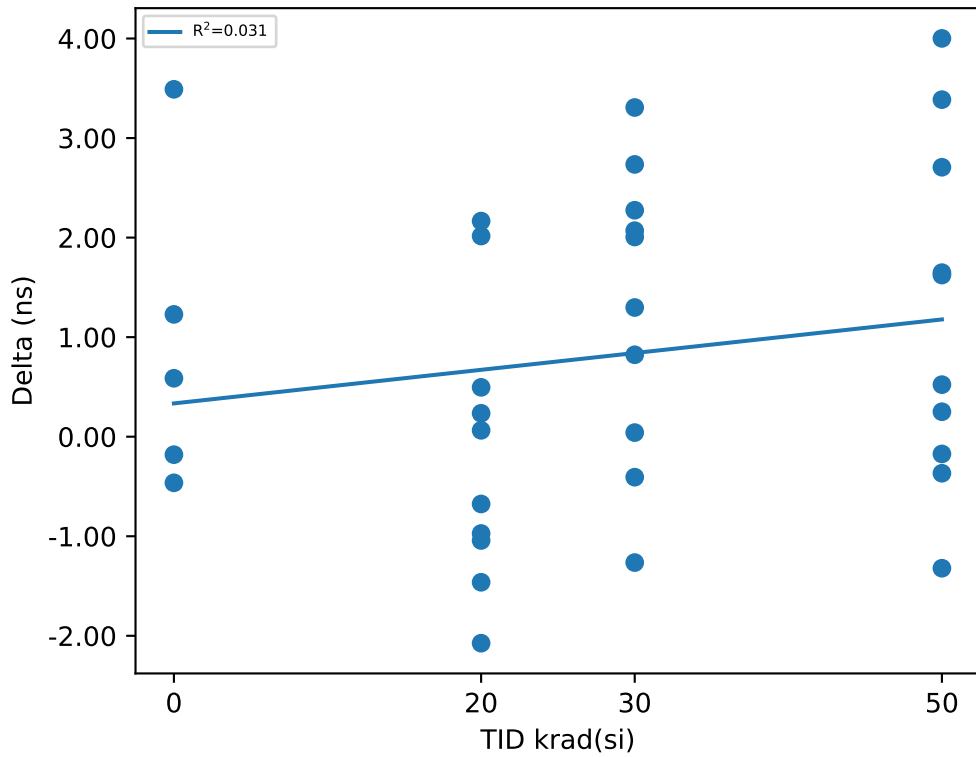
TID vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	65.692	64.65	-1.0426
371	20	Unbiased	63.813	65.979	2.1661
383	20	Unbiased	63.584	65.6	2.0157
390	50	Unbiased	64.463	64.714	0.2507
444	30	Unbiased	66.18	67.478	1.2978
509	30	Unbiased	65.213	67.219	2.0059
558	0	Correlation	64.476	65.063	0.5869
724	20	Biased	65.038	63.575	-1.4623
744	50	Biased	63.811	65.459	1.6481
799	50	Biased	64.988	68.374	3.3859
842	30	Unbiased	64.936	67.211	2.2749
930	50	Unbiased	62.862	66.864	4.0011
964	20	Unbiased	63.561	64.056	0.4958
1056	0	Correlation	64.986	64.523	-0.4634
1095	50	Unbiased	64.772	65.295	0.523
1099	0	Correlation	63.738	67.227	3.4896
1215	50	Unbiased	65.162	63.84	-1.3212
1229	50	Unbiased	63.928	66.634	2.7068
1297	20	Biased	64.969	63.997	-0.9723
1331	30	Unbiased	64.54	66.609	2.0696
1337	20	Biased	64.243	64.478	0.2352
1359	30	Biased	65.686	64.421	-1.2644
1375	30	Unbiased	65.693	66.516	0.8229
1398	30	Biased	65.094	65.135	0.0413
1401	20	Biased	64.049	61.974	-2.0744
1411	50	Biased	63.947	63.774	-0.1732
1474	50	Biased	65.612	65.245	-0.3672
1500	20	Unbiased	64.242	63.566	-0.6758
1504	50	Biased	65.206	66.83	1.6238
1662	30	Biased	63.987	63.58	-0.4067
1703	30	Biased	64.88	67.616	2.7352
1736	30	Biased	64.418	67.725	3.307
1737	0	Correlation	64.674	65.903	1.2287
1748	0	Correlation	63.766	63.585	-0.1805
1794	20	Biased	65.366	65.43	0.064

TID vs Post - Pre Exposure Delta

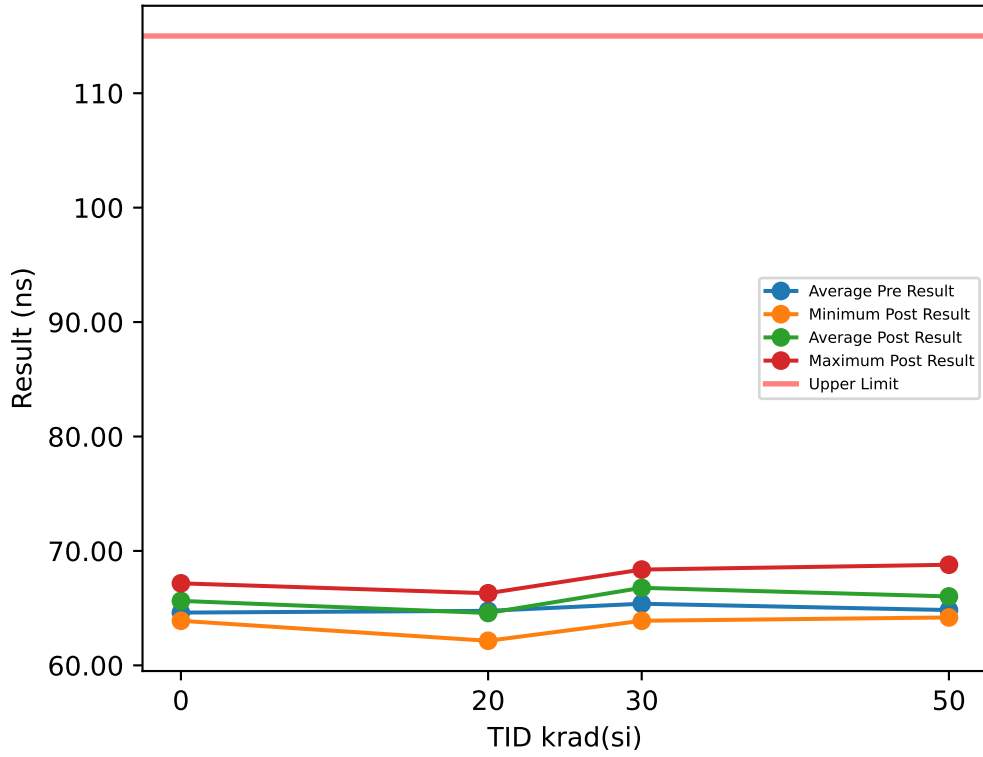


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.738	64.328	64.986	0.55675	63.585	65.26	67.227	1.3848	-0.4634	0.93226	3.4896	1.5759
20	63.561	64.456	65.692	0.75943	61.974	64.331	65.979	1.181	-2.0744	-0.12506	2.1661	1.4077
30	63.987	65.063	66.18	0.66298	63.58	66.351	67.725	1.4615	-1.2644	1.2884	3.307	1.4693
50	62.862	64.475	65.612	0.8347	63.774	65.703	68.374	1.4613	-1.3212	1.2278	4.0011	1.7425

Device Test: 28.14 TIMING|DELAY/CS/14/14/0/1000/5/100kHz//@CS_ILIM_DELAY

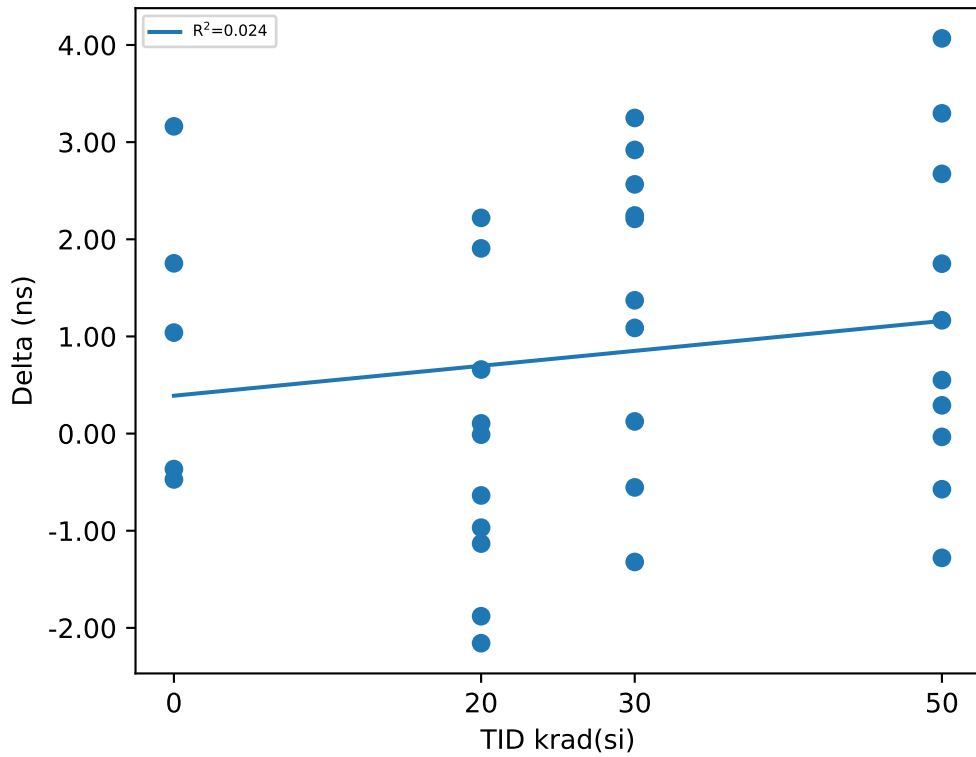
TID vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	65.943	64.811	-1.132
371	20	Unbiased	64.081	66.302	2.2205
383	20	Unbiased	64.084	65.99	1.9063
390	50	Unbiased	65.188	65.154	-0.034
444	30	Unbiased	66.344	67.716	1.372
509	30	Unbiased	65.6	67.81	2.2101
558	0	Correlation	64.431	65.471	1.0396
724	20	Biased	65.766	63.886	-1.88
744	50	Biased	64.384	65.55	1.1662
799	50	Biased	65.494	68.791	3.2965
842	30	Unbiased	65.049	67.614	2.5653
930	50	Unbiased	63.005	67.073	4.0679
964	20	Unbiased	63.641	64.301	0.6595
1056	0	Correlation	65.239	64.767	-0.4721
1095	50	Unbiased	65.132	65.682	0.5508
1099	0	Correlation	64.006	67.168	3.1625
1215	50	Unbiased	65.538	64.258	-1.2793
1229	50	Unbiased	64.187	66.86	2.6733
1297	20	Biased	64.82	64.183	-0.6368
1331	30	Unbiased	64.647	66.892	2.2454
1337	20	Biased	64.636	64.741	0.105
1359	30	Biased	66.031	64.709	-1.3213
1375	30	Unbiased	66.225	67.313	1.0875
1398	30	Biased	65.513	65.638	0.1251
1401	20	Biased	64.304	62.146	-2.1576
1411	50	Biased	63.896	64.187	0.2908
1474	50	Biased	65.976	65.403	-0.5727
1500	20	Unbiased	64.658	63.69	-0.9683
1504	50	Biased	65.534	67.283	1.749
1662	30	Biased	64.45	63.896	-0.5541
1703	30	Biased	65.122	68.371	3.2489
1736	30	Biased	64.876	67.796	2.9197
1737	0	Correlation	65.119	66.871	1.7527
1748	0	Correlation	64.261	63.895	-0.3654
1794	20	Biased	65.716	65.705	-0.0112

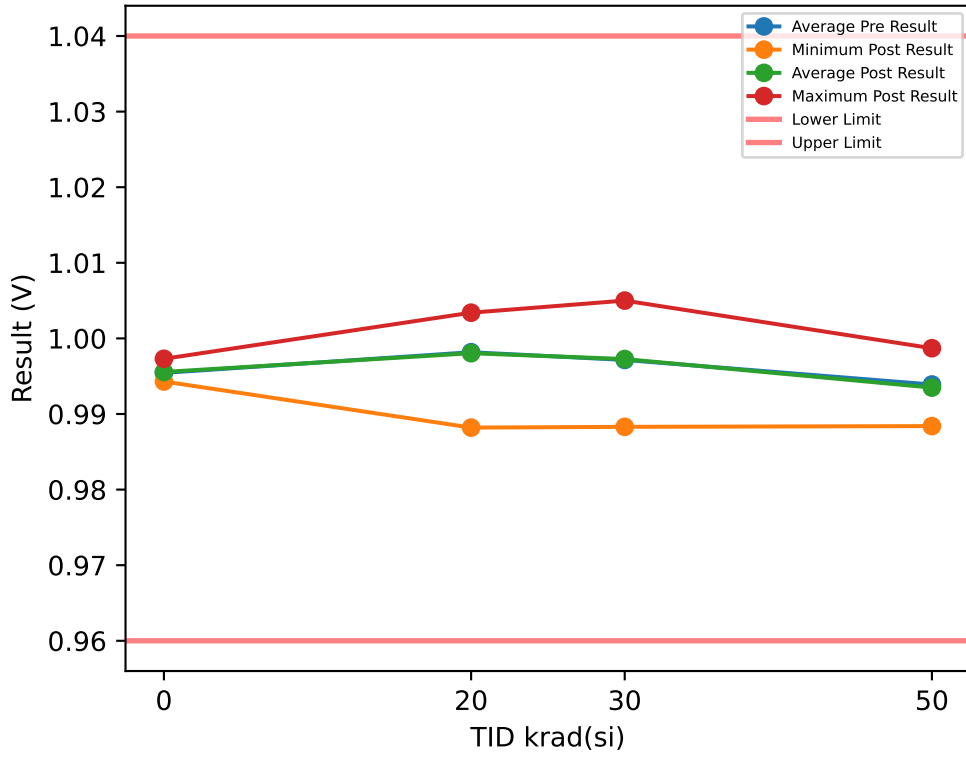
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	64.006	64.611	65.239	0.54157	63.895	65.635	67.168	1.3863	-0.4721	1.0235	3.1625	1.5226
20	63.641	64.765	65.943	0.79803	62.146	64.576	66.302	1.2351	-2.1576	-0.18946	2.2205	1.4707
30	64.45	65.386	66.344	0.66386	63.896	66.775	68.371	1.5057	-1.3213	1.3899	3.2489	1.5421
50	63.005	64.833	65.976	0.93011	64.187	66.024	68.791	1.4536	-1.2793	1.1908	4.0679	1.7369

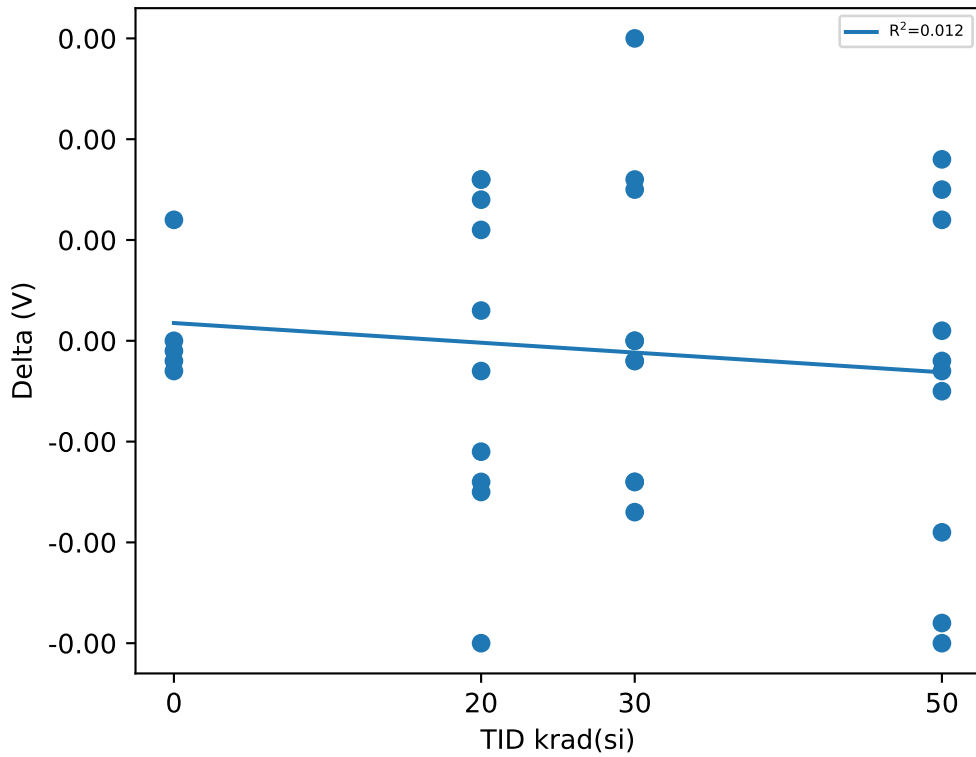
TID vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.9885	0.9882	-0.0003
371	20	Unbiased	0.9992	1.0006	0.0014
383	20	Unbiased	0.9989	0.9959	-0.003
390	50	Unbiased	0.9944	0.9916	-0.0028
444	30	Unbiased	1.0021	1.0019	-0.0002
509	30	Unbiased	1.0034	1.005	0.0016
558	0	Correlation	0.9959	0.9959	0
724	20	Biased	0.9987	1.0003	0.0016
744	50	Biased	0.9883	0.9884	0.0001
799	50	Biased	0.9975	0.9987	0.0012
842	30	Unbiased	1.0034	1.002	-0.0014
930	50	Unbiased	0.9962	0.996	-0.0002
964	20	Unbiased	1.0033	1.0019	-0.0014
1056	0	Correlation	0.9976	0.9973	-0.0003
1095	50	Unbiased	0.9916	0.9913	-0.0003
1099	0	Correlation	0.9946	0.9958	0.0012
1215	50	Unbiased	0.9976	0.9971	-0.0005
1229	50	Unbiased	0.9916	0.9897	-0.0019
1297	20	Biased	1.0018	1.0034	0.0016
1331	30	Unbiased	0.9883	0.9883	0
1337	20	Biased	0.9989	0.9992	0.0003
1359	30	Biased	0.9961	0.9944	-0.0017
1375	30	Unbiased	0.9959	0.9945	-0.0014
1398	30	Biased	0.9946	0.9944	-0.0002
1401	20	Biased	0.9977	0.9988	0.0011
1411	50	Biased	0.9959	0.9977	0.0018
1474	50	Biased	0.9959	0.9929	-0.003
1500	20	Unbiased	0.9973	0.9962	-0.0011
1504	50	Biased	0.99	0.9915	0.0015
1662	30	Biased	0.9944	0.9944	0
1703	30	Biased	0.9988	1.0018	0.003
1736	30	Biased	0.9945	0.996	0.0015
1737	0	Correlation	0.9945	0.9943	-0.0002
1748	0	Correlation	0.9946	0.9945	-0.0001
1794	20	Biased	0.9974	0.9959	-0.0015

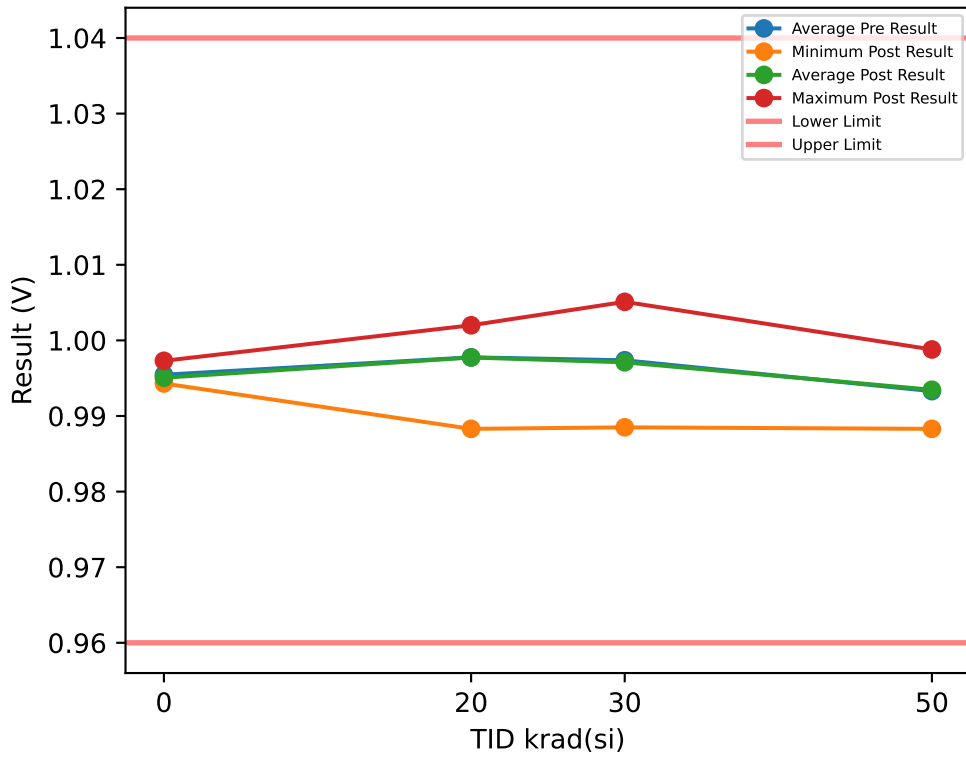
TID vs Post - Pre Exposure Delta



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	0.9945	0.99544	0.9976	0.001339	0.9943	0.99556	0.9973	0.0012157	-0.0003	0.00012	0.0012	0.000614
20	0.9885	0.99817	1.0033	0.0039013	0.9882	0.99804	1.0034	0.0043022	-0.003	-0.00013	0.0016	0.0015889
30	0.9883	0.99715	1.0034	0.0048008	0.9883	0.99727	1.005	0.0051483	-0.0017	0.00012	0.003	0.0015113
50	0.9883	0.9939	0.9976	0.0032887	0.9884	0.99349	0.9987	0.0036078	-0.003	-0.00041	0.0018	0.0017026

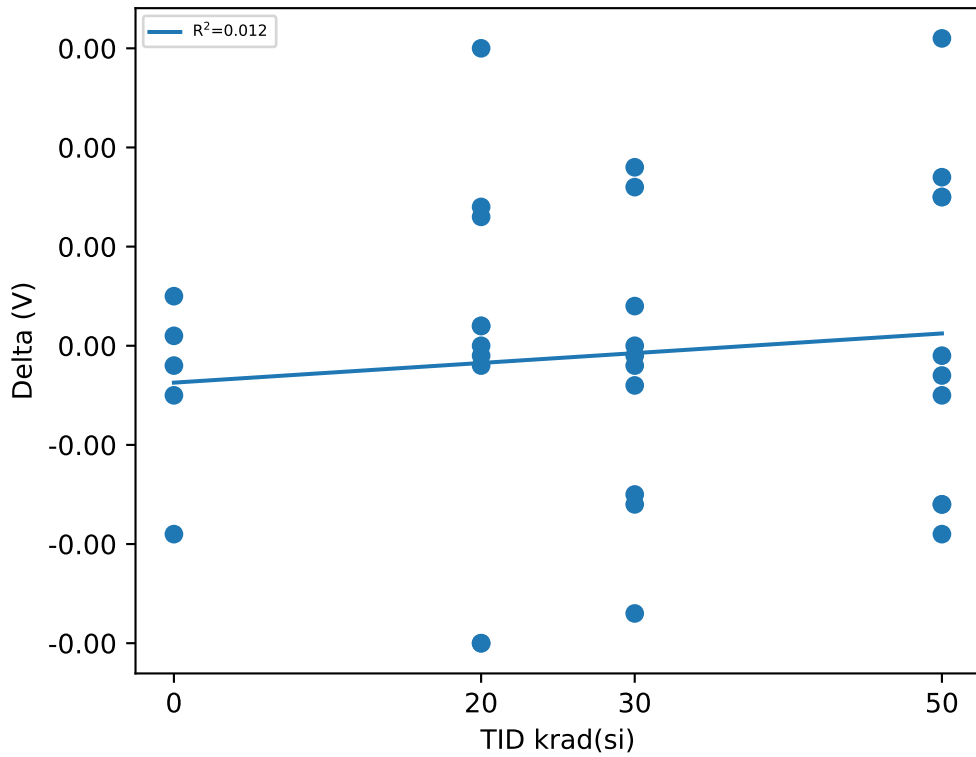
TID vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.9885	0.9883	-0.0002
371	20	Unbiased	0.9992	1.0006	0.0014
383	20	Unbiased	0.9991	0.9961	-0.003
390	50	Unbiased	0.9932	0.9913	-0.0019
444	30	Unbiased	1.0021	1.002	-0.0001
509	30	Unbiased	1.0033	1.0051	0.0018
558	0	Correlation	0.9949	0.9944	-0.0005
724	20	Biased	0.9988	0.9988	0
744	50	Biased	0.9868	0.9883	0.0015
799	50	Biased	0.9973	0.9988	0.0015
842	30	Unbiased	1.0022	1.0018	-0.0004
930	50	Unbiased	0.9961	0.996	-0.0001
964	20	Unbiased	1.0018	1.002	0.0002
1056	0	Correlation	0.9992	0.9973	-0.0019
1095	50	Unbiased	0.9916	0.9913	-0.0003
1099	0	Correlation	0.9944	0.9945	0.0001
1215	50	Unbiased	0.9976	0.9971	-0.0005
1229	50	Unbiased	0.9916	0.99	-0.0016
1297	20	Biased	1.0016	1.0018	0.0002
1331	30	Unbiased	0.99	0.9885	-0.0015
1337	20	Biased	0.9976	0.9989	0.0013
1359	30	Biased	0.9976	0.9949	-0.0027
1375	30	Unbiased	0.9961	0.9945	-0.0016
1398	30	Biased	0.9946	0.9944	-0.0002
1401	20	Biased	0.9961	0.9991	0.003
1411	50	Biased	0.9958	0.9975	0.0017
1474	50	Biased	0.9945	0.9929	-0.0016
1500	20	Unbiased	0.9989	0.9959	-0.003
1504	50	Biased	0.9884	0.9915	0.0031
1662	30	Biased	0.9945	0.9949	0.0004
1703	30	Biased	0.9988	1.0004	0.0016
1736	30	Biased	0.9945	0.9945	0
1737	0	Correlation	0.9945	0.9943	-0.0002
1748	0	Correlation	0.9943	0.9948	0.0005
1794	20	Biased	0.996	0.9959	-0.0001

TID vs Post - Pre Exposure Delta

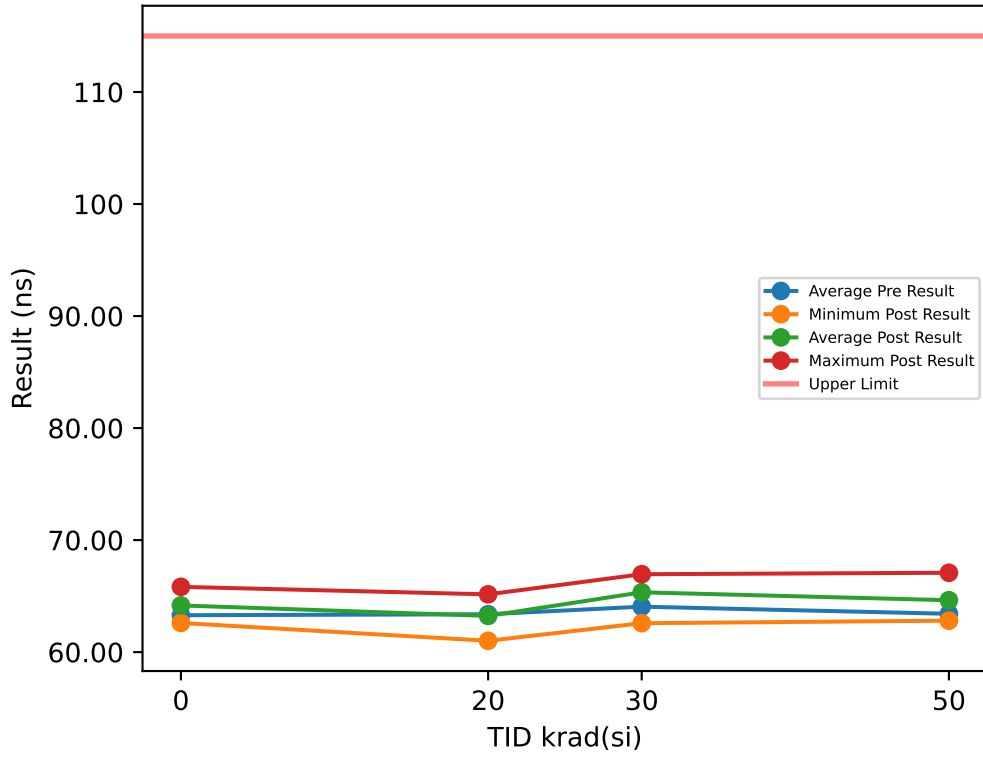


Test Statistics (V)

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	0.9943	0.99546	0.9992	0.0021031	0.9943	0.99506	0.9973	0.0012661	-0.0019	-0.0004	0.0005	0.00091652
20	0.9885	0.99776	1.0018	0.0037851	0.9883	0.99774	1.002	0.0040236	-0.003	-2e-05	0.003	0.0018492
30	0.99	0.99737	1.0033	0.0042563	0.9885	0.9971	1.0051	0.0050049	-0.0027	-0.00027	0.0018	0.0013961
50	0.9868	0.99329	0.9976	0.0036828	0.9883	0.99347	0.9988	0.0035997	-0.0019	0.00018	0.0031	0.0016917

Device Test: 28.19 TIMING|DELAY/CS/8/8/0/0/5/100kHz//@CS_ILIM_DELAY

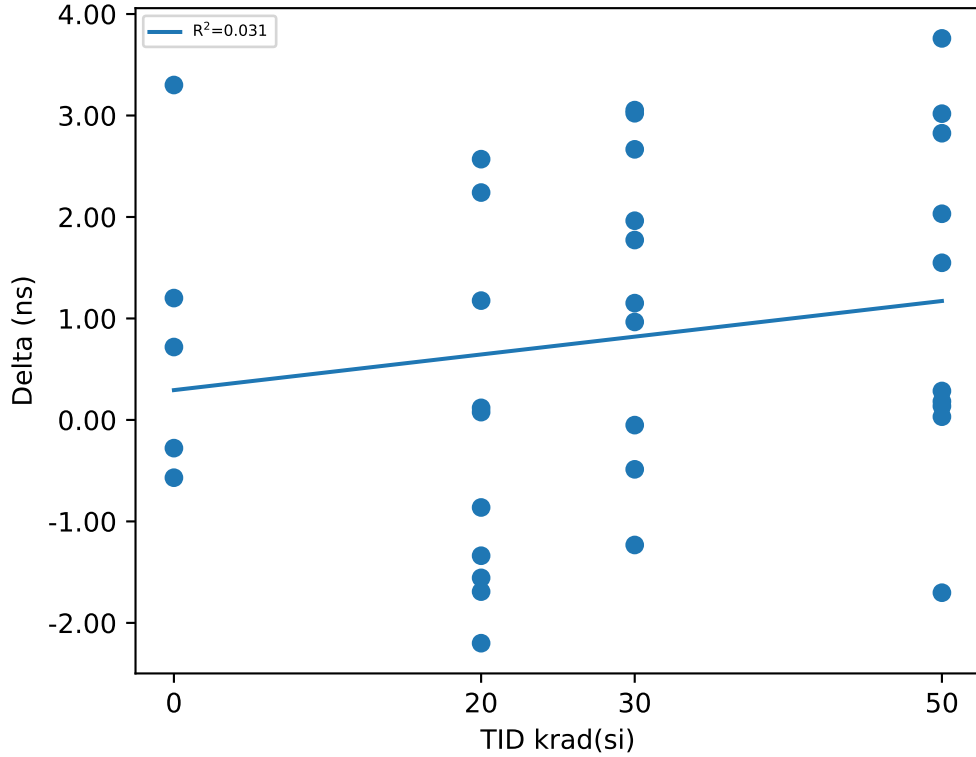
TID vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	64.797	63.241	-1.5562
371	20	Unbiased	62.587	65.157	2.5698
383	20	Unbiased	62.254	64.495	2.2408
390	50	Unbiased	63.562	63.744	0.1825
444	30	Unbiased	65.239	66.39	1.1511
509	30	Unbiased	64.338	66.111	1.7729
558	0	Correlation	63.261	63.98	0.7185
724	20	Biased	64.119	62.427	-1.6917
744	50	Biased	62.273	64.304	2.0318
799	50	Biased	64.065	67.083	3.0181
842	30	Unbiased	63.107	65.774	2.6666
930	50	Unbiased	61.8	65.559	3.7599
964	20	Unbiased	62.13	63.306	1.1759
1056	0	Correlation	64.039	63.47	-0.5692
1095	50	Unbiased	63.822	63.959	0.1364
1099	0	Correlation	62.527	65.827	3.3005
1215	50	Unbiased	64.509	62.806	-1.7025
1229	50	Unbiased	62.929	65.754	2.8254
1297	20	Biased	63.561	62.698	-0.8626
1331	30	Unbiased	63.53	65.493	1.9632
1337	20	Biased	63.163	63.24	0.077
1359	30	Biased	64.695	63.462	-1.2322
1375	30	Unbiased	64.74	65.705	0.9658
1398	30	Biased	64.342	64.291	-0.051
1401	20	Biased	63.211	61.011	-2.2001
1411	50	Biased	62.693	62.978	0.2854
1474	50	Biased	64.329	64.361	0.032
1500	20	Unbiased	63.554	62.215	-1.3381
1504	50	Biased	64.236	65.785	1.5487
1662	30	Biased	63.069	62.583	-0.4868
1703	30	Biased	63.902	66.955	3.0531
1736	30	Biased	63.617	66.639	3.0222
1737	0	Correlation	63.759	64.96	1.2009
1748	0	Correlation	62.883	62.605	-0.2779
1794	20	Biased	64.425	64.544	0.1191

TID vs Post - Pre Exposure Delta

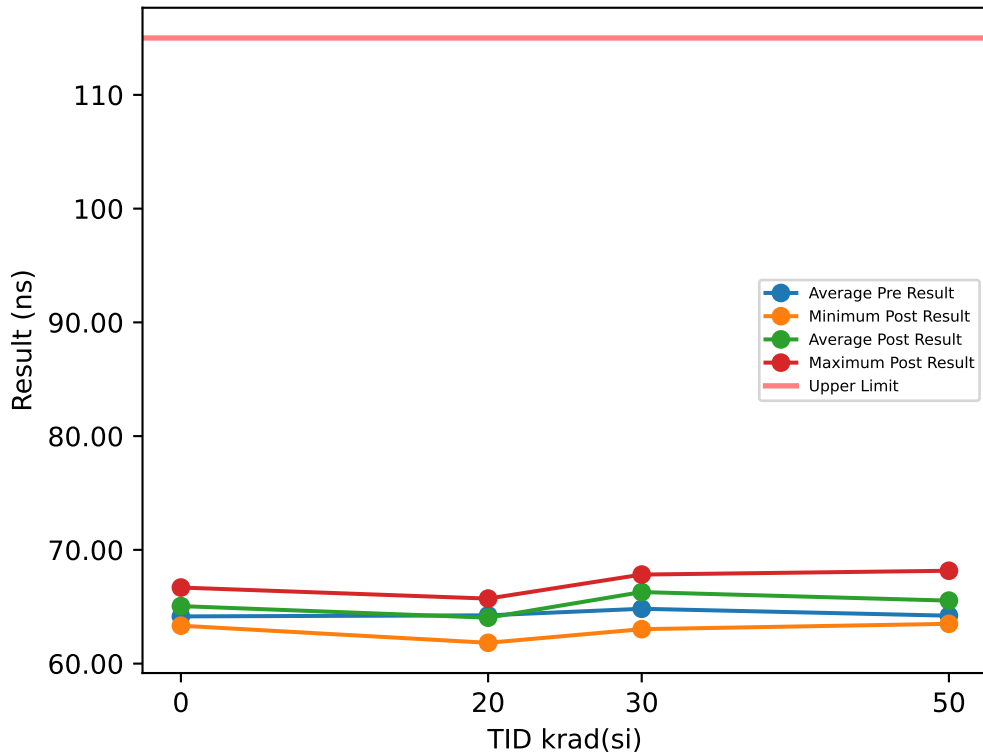


Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	62.527	63.294	64.039	0.61858	62.605	64.168	65.827	1.2598	-0.5692	0.87456	3.3005	1.5353
20	62.13	63.38	64.797	0.89734	61.011	63.233	65.157	1.2439	-2.2001	-0.14661	2.5698	1.6823
30	63.069	64.058	65.239	0.73057	62.583	65.34	66.955	1.4363	-1.2322	1.2825	3.0531	1.4956
50	61.8	63.422	64.509	0.94214	62.806	64.633	67.083	1.3723	-1.7025	1.2118	3.7599	1.7031

Device Test: 28.20 TIMING|DELAY/CS/8/8/0/1000/5/100kHz//@CS_ILIM_DELAY

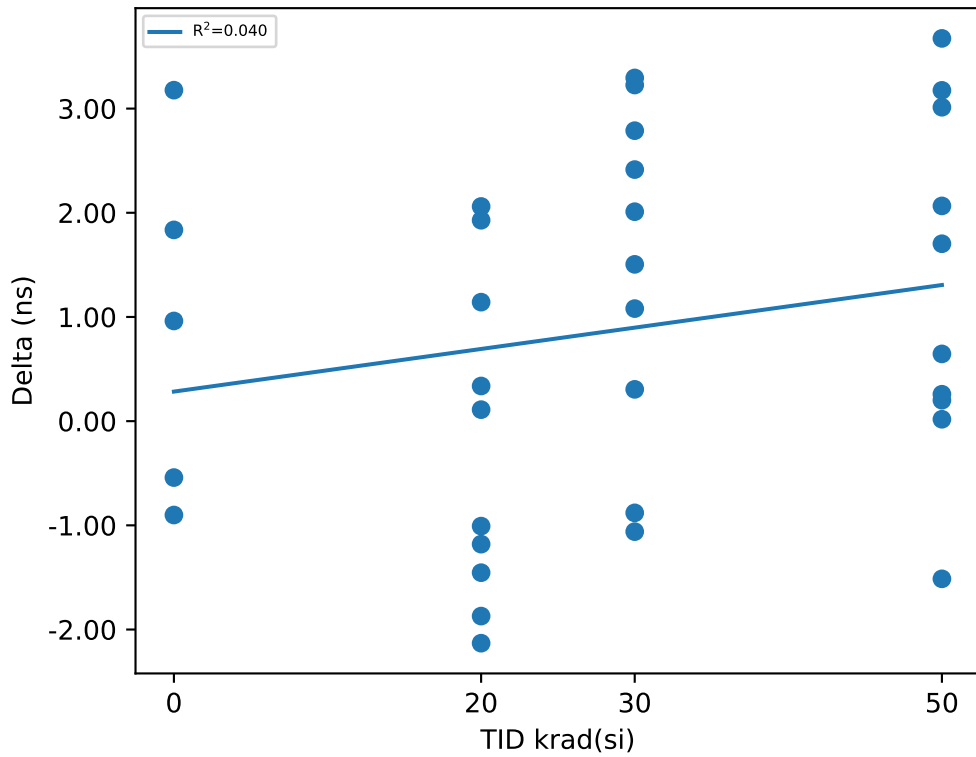
TID vs Result Stats



Test Results (Upper Limit = 115.0 (ns))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	65.627	63.756	-1.871
371	20	Unbiased	63.656	65.716	2.0605
383	20	Unbiased	63.379	65.307	1.9283
390	50	Unbiased	64.373	64.631	0.2583
444	30	Unbiased	65.904	67.409	1.5049
509	30	Unbiased	65.019	67.029	2.0104
558	0	Correlation	63.932	64.894	0.9616
724	20	Biased	64.755	63.301	-1.4544
744	50	Biased	63.084	65.15	2.0659
799	50	Biased	64.989	68.164	3.175
842	30	Unbiased	64.271	67.059	2.7881
930	50	Unbiased	62.928	66.601	3.6737
964	20	Unbiased	62.798	63.94	1.1422
1056	0	Correlation	64.761	64.22	-0.5415
1095	50	Unbiased	64.51	65.155	0.6454
1099	0	Correlation	63.512	66.689	3.1769
1215	50	Unbiased	65.013	63.499	-1.5135
1229	50	Unbiased	63.55	66.563	3.0129
1297	20	Biased	64.635	63.627	-1.0074
1331	30	Unbiased	64.163	66.578	2.4146
1337	20	Biased	64.061	64.399	0.3375
1359	30	Biased	65.421	64.36	-1.0604
1375	30	Unbiased	65.481	66.562	1.0803
1398	30	Biased	65.134	65.439	0.3052
1401	20	Biased	63.962	61.83	-2.1312
1411	50	Biased	63.525	63.726	0.201
1474	50	Biased	65.151	65.169	0.0181
1500	20	Unbiased	64.33	63.15	-1.1806
1504	50	Biased	65.021	66.724	1.7028
1662	30	Biased	63.908	63.027	-0.8802
1703	30	Biased	64.534	67.829	3.2942
1736	30	Biased	64.382	67.608	3.2261
1737	0	Correlation	64.312	66.147	1.8357
1748	0	Correlation	64.234	63.334	-0.9009
1794	20	Biased	65.233	65.344	0.1104

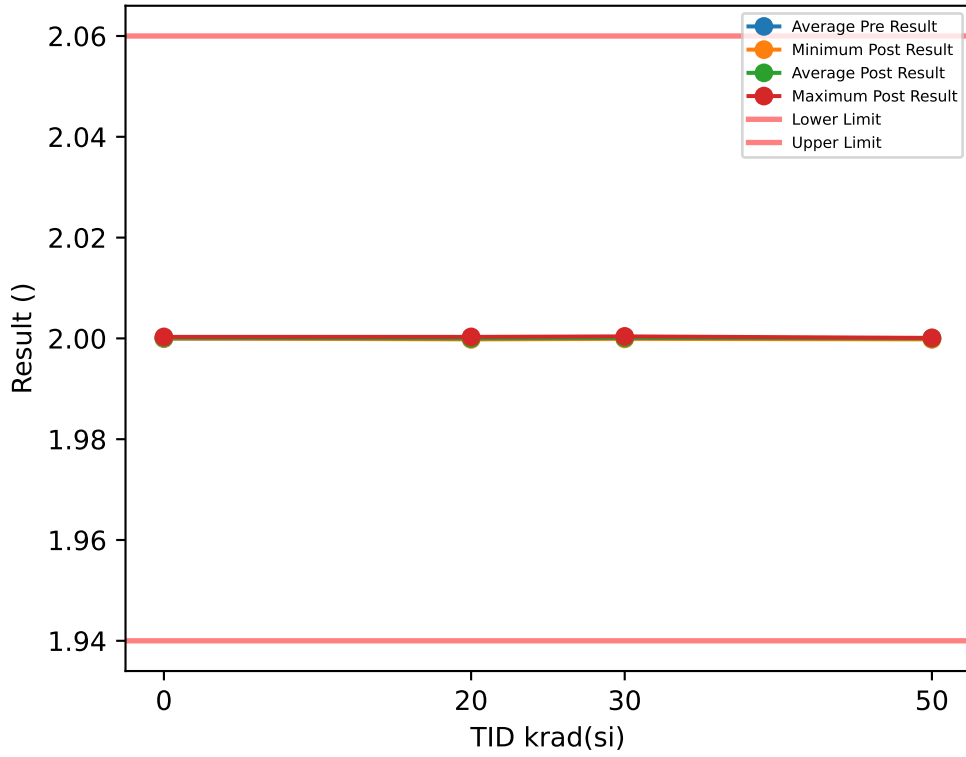
TID vs Post - Pre Exposure Delta



Test Statistics (ns)

krad(si)	Pre Exposure Min	Pre Exposure Avg	Pre Exposure Max	Pre Exposure Std	Post Exposure Min	Post Exposure Avg	Post Exposure Max	Post Exposure Std	Min Delta	Avg Delta	Max Delta	Std Delta
0	63.512	64.15	64.761	0.464	63.334	65.057	66.689	1.3739	-0.9009	0.90636	3.1769	1.6871
20	62.798	64.244	65.627	0.85715	61.83	64.037	65.716	1.1892	-2.1312	-0.20657	2.0605	1.5468
30	63.908	64.822	65.904	0.66254	63.027	66.29	67.829	1.5544	-1.0604	1.4683	3.2942	1.5906
50	62.928	64.214	65.151	0.86454	63.499	65.538	68.164	1.4598	-1.5135	1.324	3.6737	1.6703

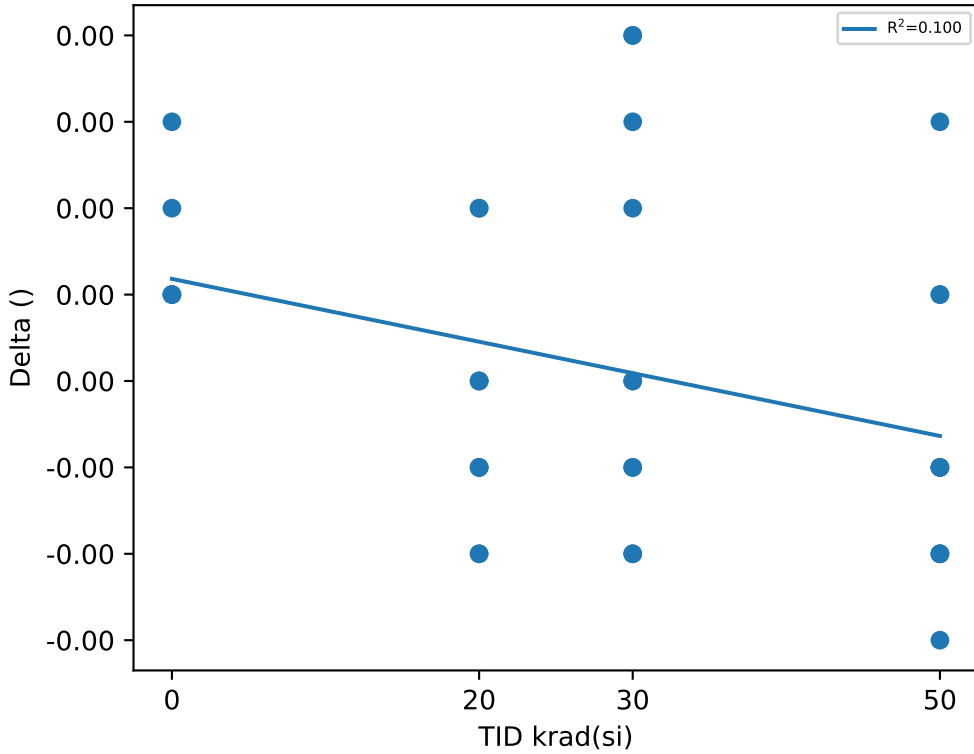
TID vs Result Stats



Test Results (Lower Limit = 1.94, Upper Limit = 2.06 (°))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.0001	2.0001	0
371	20	Unbiased	2.0001	2.0001	0
383	20	Unbiased	1.9998	2	0.0002
390	50	Unbiased	2.0003	2.0001	-0.0002
444	30	Unbiased	2.0001	1.9999	-0.0002
509	30	Unbiased	1.9998	2	0.0002
558	0	Correlation	1.9999	2	0.0001
724	20	Biased	2	1.9998	-0.0002
744	50	Biased	1.9998	2.0001	0.0003
799	50	Biased	2.0001	1.9999	-0.0002
842	30	Unbiased	2	2.0004	0.0004
930	50	Unbiased	2.0001	1.9999	-0.0002
964	20	Unbiased	2	2	0
1056	0	Correlation	1.9999	2	0.0001
1095	50	Unbiased	2	2.0001	0.0001
1099	0	Correlation	2.0001	2.0003	0.0002
1215	50	Unbiased	2.0001	1.9998	-0.0003
1229	50	Unbiased	2.0002	2.0001	-0.0001
1297	20	Biased	1.9999	1.9998	-0.0001
1331	30	Unbiased	2	2	0
1337	20	Biased	1.9999	1.9998	-0.0001
1359	30	Biased	2.0001	2	-0.0001
1375	30	Unbiased	2.0001	2.0001	0
1398	30	Biased	2.0001	1.9999	-0.0002
1401	20	Biased	2.0001	1.9999	-0.0002
1411	50	Biased	2	1.9999	-0.0001
1474	50	Biased	2.0001	2	-0.0001
1500	20	Unbiased	2	1.9999	-0.0001
1504	50	Biased	1.9999	2	0.0001
1662	30	Biased	1.9999	2.0002	0.0003
1703	30	Biased	2	2.0004	0.0004
1736	30	Biased	2.0001	2	-0.0001
1737	0	Correlation	1.9999	2	0.0001
1748	0	Correlation	2	2.0003	0.0003
1794	20	Biased	2.0001	2.0003	0.0002

TID vs Post - Pre Exposure Delta

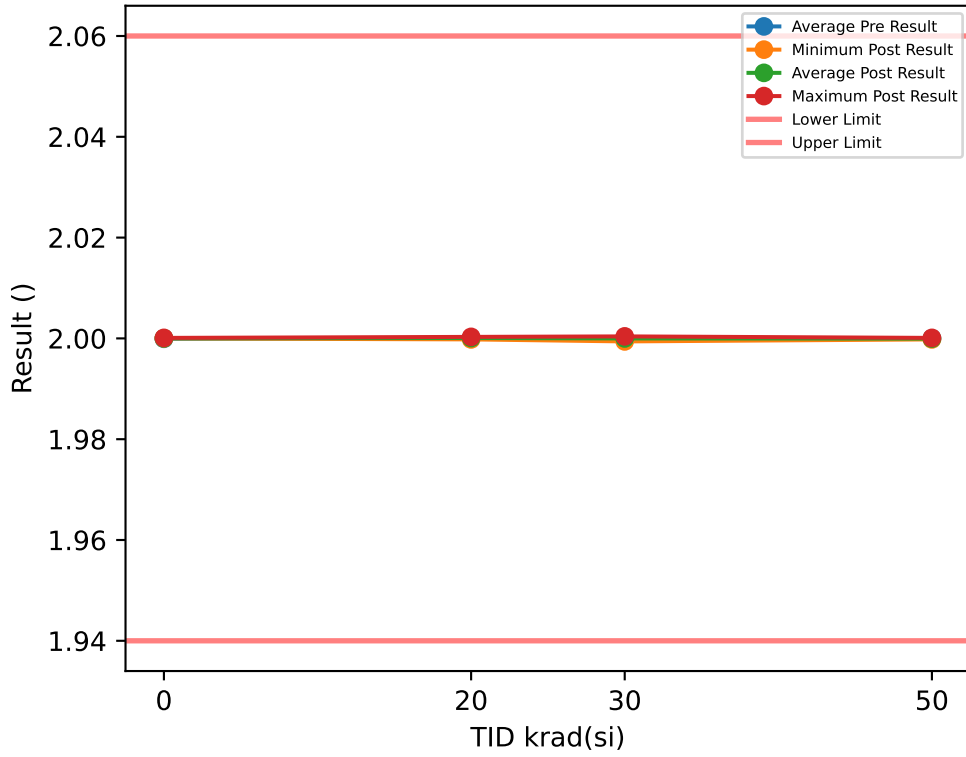


Test Statistics (°)

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	1.9999	2	2.0001	8.9443e-05	2	2.0001	2.0003	0.00016432	0.0001	0.00016	0.0003	8.9443e-05
20	1.9998	2	2.0001	0.00010541	1.9998	2	2.0003	0.00016364	-0.0002	-3e-05	0.0002	0.00014181
30	1.9998	2	2.0001	0.00010328	1.9999	2.0001	2.0004	0.00018529	-0.0002	7e-05	0.0004	0.00023594
50	1.9998	2.0001	2.0003	0.00014298	1.9998	2	2.0001	0.00011005	-0.0003	-7e-05	0.0003	0.00018288

Device Test: 28.4 LEVEL|RATIO/CS/14/14/0/0/5/500kHz//@C_CS_R

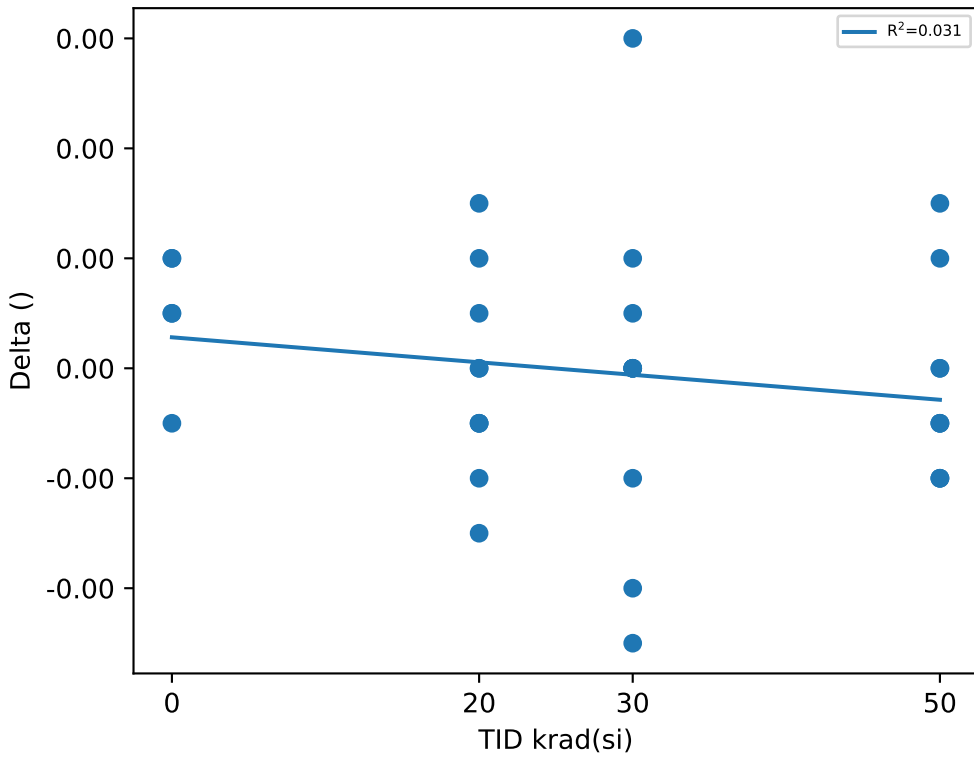
TID vs Result Stats



Test Results (Lower Limit = 1.94, Upper Limit = 2.06 (°))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	2.0003	2.0001	-0.0002
371	20	Unbiased	2.0002	2.0001	-0.0001
383	20	Unbiased	2.0001	2	-0.0001
390	50	Unbiased	2.0001	1.9999	-0.0002
444	30	Unbiased	2.0001	2.0001	0
509	30	Unbiased	1.9999	1.9994	-0.0005
558	0	Correlation	1.9998	2	0.0002
724	20	Biased	2.0001	2.0001	0
744	50	Biased	1.9998	2	0.0002
799	50	Biased	1.9998	2.0001	0.0003
842	30	Unbiased	2.0001	1.9997	-0.0004
930	50	Unbiased	2.0002	2	-0.0002
964	20	Unbiased	2.0001	1.9998	-0.0003
1056	0	Correlation	1.9999	2	0.0001
1095	50	Unbiased	2.0001	2.0001	0
1099	0	Correlation	1.9999	2.0001	0.0002
1215	50	Unbiased	2	1.9999	-0.0001
1229	50	Unbiased	2.0001	2	-0.0001
1297	20	Biased	2	2.0001	0.0001
1331	30	Unbiased	2	2	0
1337	20	Biased	2.0001	2.0003	0.0002
1359	30	Biased	2.0001	2.0002	0.0001
1375	30	Unbiased	2.0001	2.0001	0
1398	30	Biased	2.0001	2.0001	0
1401	20	Biased	2.0001	2.0001	0
1411	50	Biased	2.0001	2	-0.0001
1474	50	Biased	1.9998	1.9998	0
1500	20	Unbiased	1.9998	2.0001	0.0003
1504	50	Biased	2	1.9998	-0.0002
1662	30	Biased	1.9999	2.0001	0.0002
1703	30	Biased	1.9998	2.0004	0.0006
1736	30	Biased	2	1.9998	-0.0002
1737	0	Correlation	2.0001	2	-0.0001
1748	0	Correlation	1.9999	2	0.0001
1794	20	Biased	2.0001	2	-0.0001

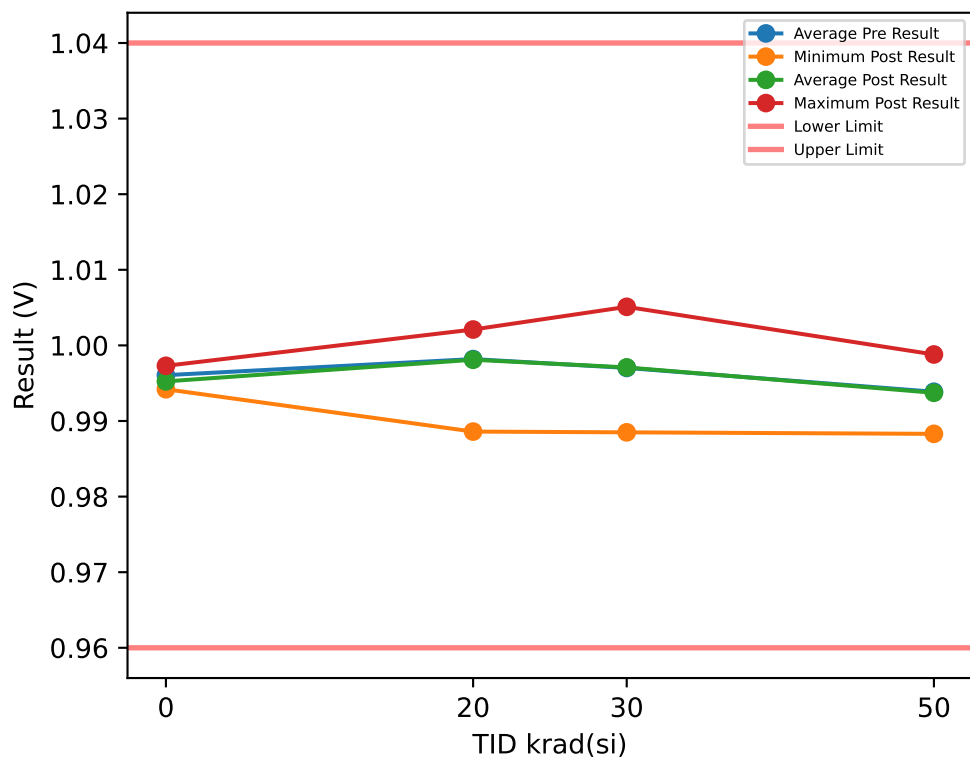
TID vs Post - Pre Exposure Delta



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	1.9998	1.9999	2.0001	0.00010954	2	2	2.0001	4.4721e-05	-0.0001	0.0001	0.0002	0.00012247
20	1.9998	2.0001	2.0003	0.00012867	1.9998	2.0001	2.0003	0.00012517	-0.0003	-2e-05	0.0003	0.00018135
30	1.9998	2	2.0001	0.00011005	1.9994	2	2.0004	0.0002846	-0.0005	-2e-05	0.0006	0.0003084
50	1.9998	2	2.0002	0.00014907	1.9998	2	2.0001	0.0001075	-0.0002	-4e-05	0.0003	0.00017127

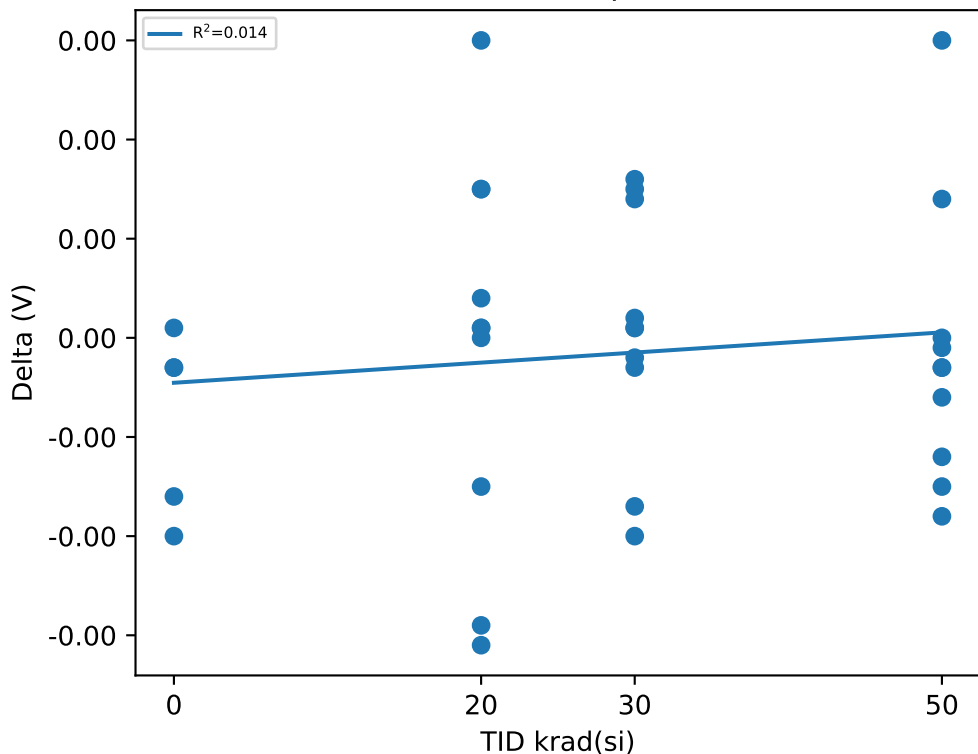
TID vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.9885	0.9886	0.0001
371	20	Unbiased	1.0006	1.0021	0.0015
383	20	Unbiased	0.9992	0.9961	-0.0031
390	50	Unbiased	0.9928	0.9916	-0.0012
444	30	Unbiased	1.0019	1.002	0.0001
509	30	Unbiased	1.0035	1.0051	0.0016
558	0	Correlation	0.9962	0.9959	-0.0003
724	20	Biased	0.9989	1.0004	0.0015
744	50	Biased	0.9883	0.9883	0
799	50	Biased	0.9974	0.9988	0.0014
842	30	Unbiased	1.0019	1.0021	0.0002
930	50	Unbiased	0.9961	0.9958	-0.0003
964	20	Unbiased	1.0018	1.0019	0.0001
1056	0	Correlation	0.9989	0.9973	-0.0016
1095	50	Unbiased	0.9916	0.9913	-0.0003
1099	0	Correlation	0.9962	0.9942	-0.002
1215	50	Unbiased	0.9977	0.9971	-0.0006
1229	50	Unbiased	0.9916	0.9898	-0.0018
1297	20	Biased	1.0017	1.0021	0.0004
1331	30	Unbiased	0.9884	0.9885	0.0001
1337	20	Biased	0.9991	0.9991	0
1359	30	Biased	0.9961	0.9941	-0.002
1375	30	Unbiased	0.9947	0.9945	-0.0002
1398	30	Biased	0.9961	0.9944	-0.0017
1401	20	Biased	0.9959	0.9989	0.003
1411	50	Biased	0.9974	0.9973	-0.0001
1474	50	Biased	0.9959	0.9944	-0.0015
1500	20	Unbiased	0.9988	0.9959	-0.0029
1504	50	Biased	0.9899	0.9929	0.003
1662	30	Biased	0.9944	0.9941	-0.0003
1703	30	Biased	0.9988	1.0003	0.0015
1736	30	Biased	0.9944	0.9958	0.0014
1737	0	Correlation	0.9944	0.9945	0.0001
1748	0	Correlation	0.9946	0.9943	-0.0003
1794	20	Biased	0.9974	0.9959	-0.0015

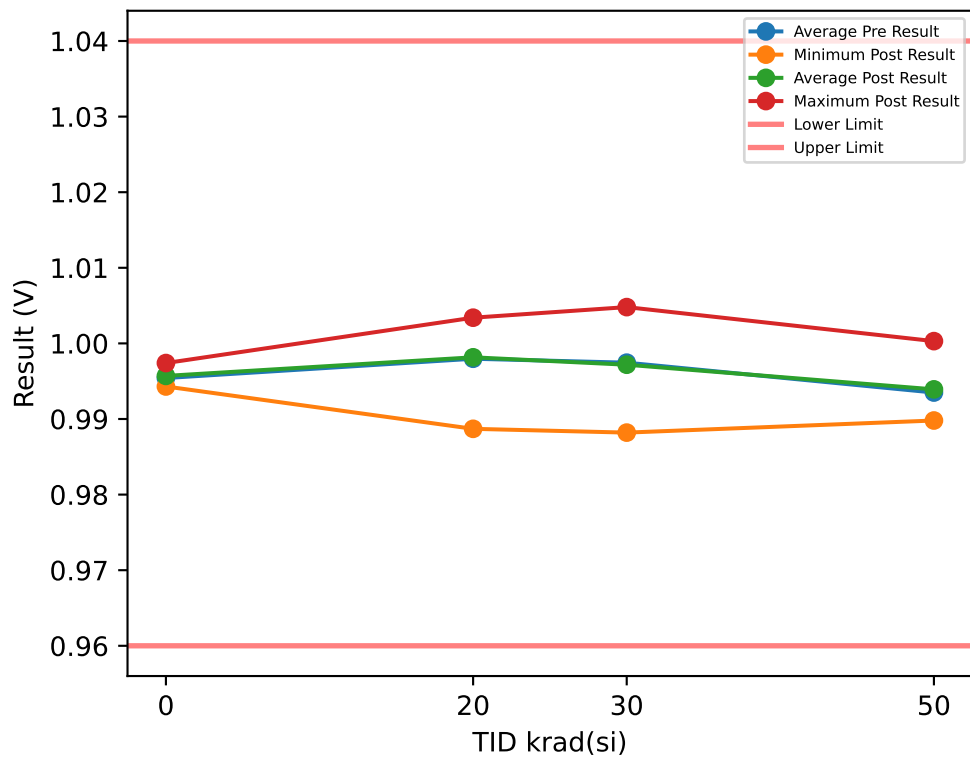
TID vs Post - Pre Exposure Delta



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	0.9944	0.99606	0.9989	0.0018022	0.9942	0.99524	0.9973	0.0013409	-0.002	-0.00082	0.0001	0.00092033
20	0.9885	0.99819	1.0018	0.0038536	0.9886	0.9981	1.0021	0.0041806	-0.0031	-9e-05	0.003	0.0019399
30	0.9884	0.99702	1.0035	0.0045692	0.9885	0.99709	1.0051	0.0050657	-0.002	7e-05	0.0016	0.0012383
50	0.9883	0.99387	0.9977	0.0034468	0.9883	0.99373	0.9988	0.0035056	-0.0018	-0.00014	0.003	0.0014238

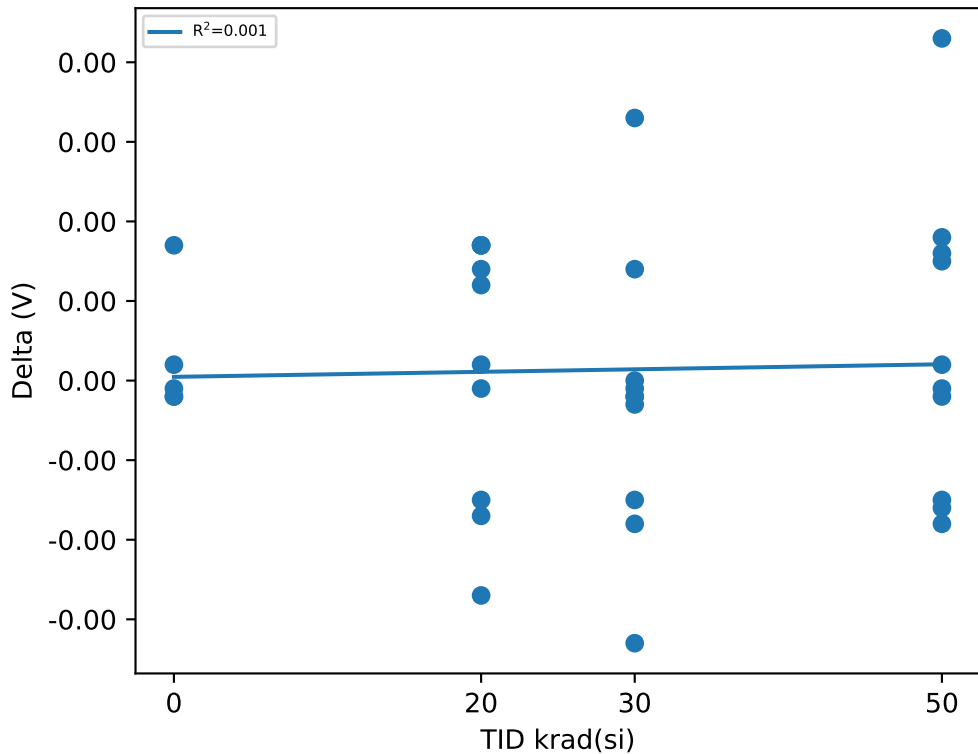
TID vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.987	0.9887	0.0017
371	20	Unbiased	0.9994	1.0006	0.0012
383	20	Unbiased	0.9993	0.9976	-0.0017
390	50	Unbiased	0.9929	0.9913	-0.0016
444	30	Unbiased	1.0021	1.0018	-0.0003
509	30	Unbiased	1.0048	1.0048	0
558	0	Correlation	0.9961	0.9959	-0.0002
724	20	Biased	0.9989	0.9991	0.0002
744	50	Biased	0.9883	0.9899	0.0016
799	50	Biased	0.9988	1.0003	0.0015
842	30	Unbiased	1.0019	1.0018	-0.0001
930	50	Unbiased	0.9958	0.996	0.0002
964	20	Unbiased	1.0021	1.002	-0.0001
1056	0	Correlation	0.9976	0.9974	-0.0002
1095	50	Unbiased	0.9914	0.9912	-0.0002
1099	0	Correlation	0.9943	0.996	0.0017
1215	50	Unbiased	0.9976	0.9975	-0.0001
1229	50	Unbiased	0.9916	0.9898	-0.0018
1297	20	Biased	1.0017	1.0034	0.0017
1331	30	Unbiased	0.9884	0.9882	-0.0002
1337	20	Biased	0.9974	0.9991	0.0017
1359	30	Biased	0.9976	0.9943	-0.0033
1375	30	Unbiased	0.9963	0.9945	-0.0018
1398	30	Biased	0.9959	0.9944	-0.0015
1401	20	Biased	0.9977	0.9991	0.0014
1411	50	Biased	0.9958	0.9976	0.0018
1474	50	Biased	0.9943	0.9928	-0.0015
1500	20	Unbiased	0.9988	0.9961	-0.0027
1504	50	Biased	0.9885	0.9928	0.0043
1662	30	Biased	0.9943	0.9941	-0.0002
1703	30	Biased	0.9988	1.0021	0.0033
1736	30	Biased	0.9944	0.9958	0.0014
1737	0	Correlation	0.9944	0.9943	-0.0001
1748	0	Correlation	0.9947	0.9949	0.0002
1794	20	Biased	0.9974	0.9959	-0.0015

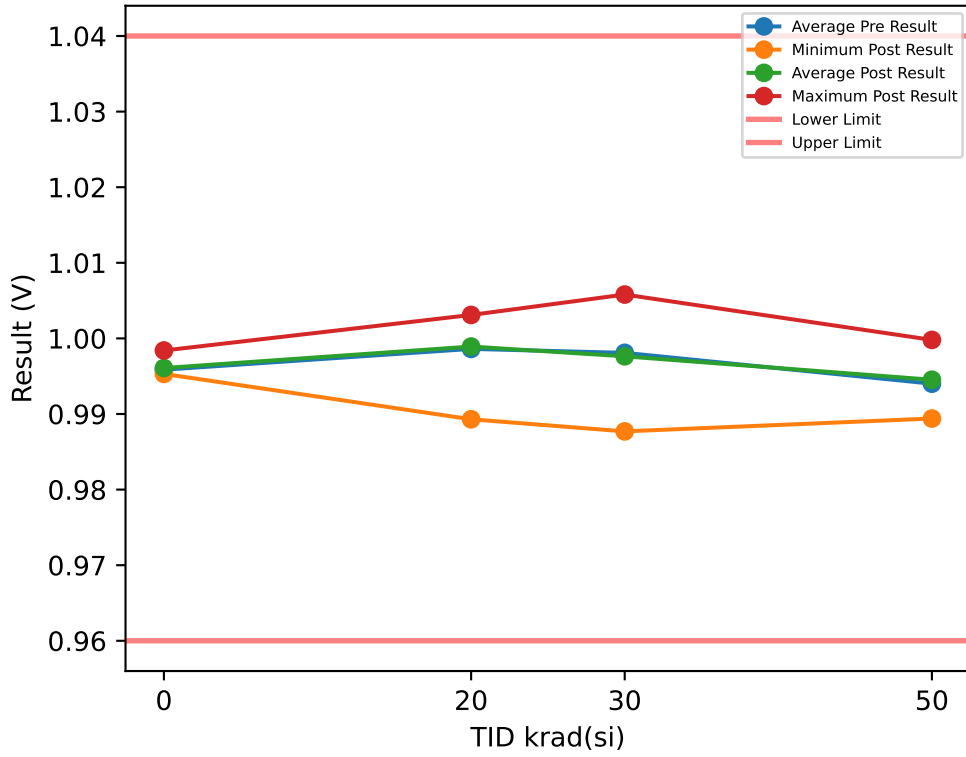
TID vs Post - Pre Exposure Delta



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	0.9943	0.99542	0.9976	0.0014167	0.9943	0.9957	0.9974	0.0011853	-0.0002	0.00028	0.0017	0.00081056
20	0.987	0.99797	1.0021	0.004182	0.9887	0.99816	1.0034	0.004082	-0.0027	0.00019	0.0017	0.0016394
30	0.9884	0.99745	1.0048	0.0047393	0.9882	0.99718	1.0048	0.0051661	-0.0033	-0.00027	0.0033	0.0017852
50	0.9883	0.9935	0.9988	0.0035985	0.9898	0.99392	1.0003	0.0036711	-0.0018	0.00042	0.0043	0.0019124

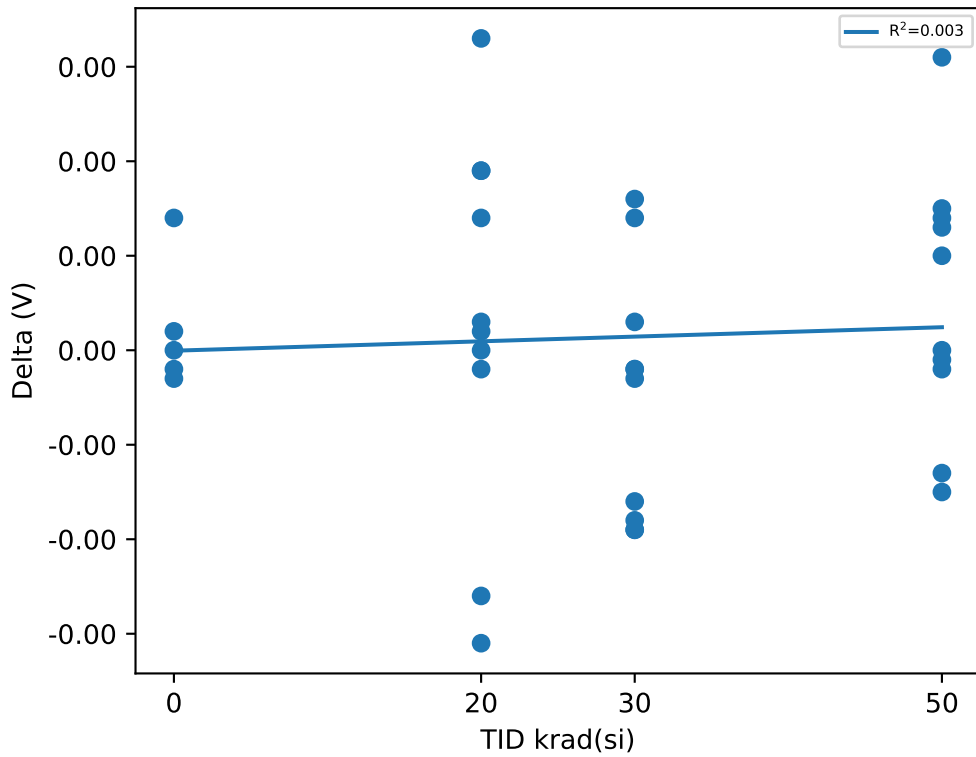
TID vs Result Stats



Test Results (Lower Limit = 0.96, Upper Limit = 1.04 (V))

Serial #	krad(si)	Exposure Conditions	Pre Result	Post Result	Delta
365	20	Unbiased	0.9895	0.9893	-0.0002
371	20	Unbiased	1.0003	1.0017	0.0014
383	20	Unbiased	0.9999	0.9973	-0.0026
390	50	Unbiased	0.9941	0.9928	-0.0013
444	30	Unbiased	1.0032	1.003	-0.0002
509	30	Unbiased	1.0044	1.0058	0.0014
558	0	Correlation	0.9954	0.9954	0
724	20	Biased	0.9983	1.0002	0.0019
744	50	Biased	0.9879	0.9894	0.0015
799	50	Biased	0.9984	0.9998	0.0014
842	30	Unbiased	1.0029	1.0013	-0.0016
930	50	Unbiased	0.9968	0.9968	0
964	20	Unbiased	1.0028	1.003	0.0002
1056	0	Correlation	0.9987	0.9984	-0.0003
1095	50	Unbiased	0.9911	0.9924	0.0013
1099	0	Correlation	0.9957	0.9955	-0.0002
1215	50	Unbiased	0.9988	0.9986	-0.0002
1229	50	Unbiased	0.9909	0.9908	-0.0001
1297	20	Biased	1.0028	1.0031	0.0003
1331	30	Unbiased	0.9895	0.9877	-0.0018
1337	20	Biased	0.9984	1.0003	0.0019
1359	30	Biased	0.9969	0.995	-0.0019
1375	30	Unbiased	0.9957	0.9954	-0.0003
1398	30	Biased	0.9973	0.9954	-0.0019
1401	20	Biased	0.9971	1.0004	0.0033
1411	50	Biased	0.9971	0.9981	0.001
1474	50	Biased	0.9955	0.994	-0.0015
1500	20	Unbiased	1	0.9969	-0.0031
1504	50	Biased	0.9895	0.9926	0.0031
1662	30	Biased	0.9955	0.9958	0.0003
1703	30	Biased	1	1.0016	0.0016
1736	30	Biased	0.9955	0.9953	-0.0002
1737	0	Correlation	0.9939	0.9953	0.0014
1748	0	Correlation	0.9956	0.9958	0.0002
1794	20	Biased	0.997	0.997	0

TID vs Post - Pre Exposure Delta



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	0.9939	0.99586	0.9987	0.0017473	0.9953	0.99608	0.9984	0.0013103	-0.0003	0.00022	0.0014	0.00068702
20	0.9895	0.99861	1.0028	0.0037943	0.9893	0.99892	1.0031	0.0040895	-0.0031	0.00031	0.0033	0.0019902
30	0.9895	0.99809	1.0044	0.0045664	0.9877	0.99763	1.0058	0.0052606	-0.0019	-0.00046	0.0016	0.0013201
50	0.9879	0.99401	0.9988	0.0039099	0.9894	0.99453	0.9998	0.003559	-0.0015	0.00052	0.0031	0.0014062

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