Radiation Report

TPS7H2211-SP Total Ionizing Dose (TID) Radiation Report

ABSTRACT

This report discusses the results of the total ionizing dose (TID) testing for TPS7H2211-SP, Texas Instruments 4.5V to 14V operating input voltage range, 3.5A continuous current, single channel load switch. The study was done to determine TID effects under high dose rate (HDR) up to 100krad(Si). The results show that all samples passed within the specified limits up to 100krad(Si).

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Trademarks

1 Device Information

1.1 Product Description

The TPS7H2211-SP is a single channel load switch that provides reverse current protection, overvoltage protection, and a configurable rise time to minimize inrush current (soft start). The device contains P-channel MOSFETs that operate over an input voltage range of 4.5V to 14V and supports a maximum continuous current of 3.5A.

The switch is controlled by an on and off input (EN), which is capable of interfacing directly with low-voltage control signals. Overvoltage protection and soft start are programmable with few external components through the OVP and SS pins. The TPS7H2211-SP is available in a ceramic package with an exposed thermal pad allowing for improved thermal performance.

1.2 Device Details

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

Table 1-1. Device and Exposure Details

TID Exposure Details	
TI Device	TPS7H2211-SP
TI Part Name	XTPS7H2211HKR/EM
Package	16-pin CFP (HKR)
Technology	LBC7
Quantity Tested	HDR - 20
Lot Accept/Reject	All levels tested and passed up to 100krad(Si) for HDR
HDR Radiation Facility	Texas Instruments Santa Clara - Santa Clara, CA
HDR Dose Level	50krad(Si) and 100krad(Si)
HDR Dose Rate	59.48rads(Si)/s [53.53 to 65.42rad(Si)/s]
HDR Radiation Source	Gammacell 220 Excel (GC-220E) Co-60
Irradiation Temperature	Ambient, room temperature

Figure 1-1. TPS7H2211-SP Device Photo

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H2211-SP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Conditions A and D were used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices remained functional passing all parametric test limits.

2.2 Test Description and Facilities

The TPS7H2211-SP HDR exposure was performed on biased and unbiased devices in a Co-60 gammacell at TI facility in Santa Clara, California. The un-attenuated dose rate of this cell is 59.48 rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and returned to TI Dallas for a full post-radiation electrical evaluation using Texas Instruments ATE. ATE test limits are set per SMD electrical limits based on qualification and characterization data. Post-radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-radiation measurements.

2.3 Test Setup Details

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

2.3.1 Unbiased

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

2.3.2 Biased

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

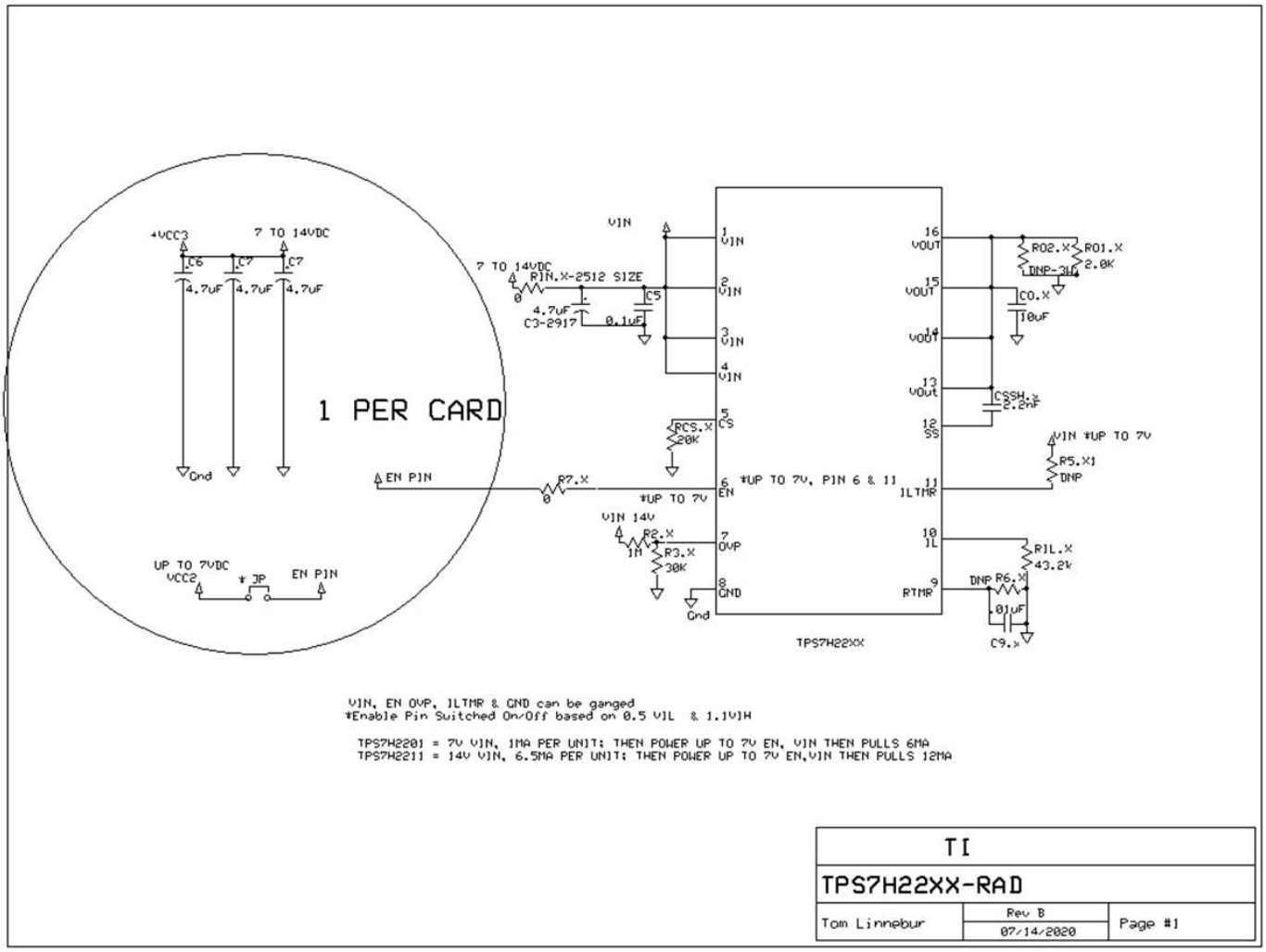


Figure 2-1. Bias Diagram Used in TID Exposure

2.4 Test Configuration and Conditions

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

Table 2-1. HDR ≥ 50–100-krad(Si)/s Biased and Unbiased Device Information

Total Samples: 20			
Exposure Levels			
50krad(Si) Biased	50krad(Si) Unbiased	100krad(Si) Biased	100krad(Si) Unbiased
1, 2, 3, 4, 5	6, 7, 8, 11, 12	13, 14, 15, 16, 17	18, 19, 20, 21, 22

3 TI Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H2211-SP passed up to 100krad(Si) HDR TID.

The drifts of SMD electrical parameters through HDR were within the SMD limits.

Overall, the TPS7H2211-SP showed a strong degree of hardness to HDR TID irradiation up to 100krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased devices. The parameters that showed a greater degree of change between pre- and post-irradiation were still within the SMD electrical specification. See Table 3-1 for Specification Compliance Matrix.

See Appendix A for Specifications Requiring Clarification.

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

3.2 Specification Compliance Matrix

Table 3-1. TPS7H2211-SP Specification Compliance Matrix

PARAMETER	TEST CONDITION	TPS7H2211-SP DATA SHEET (SLVSEW6)				TEST#
		MIN	TYP	MAX	UNIT	
VIN_{UVLOR} Internal VIN UVLO rising		3.2	3.4	3.8	V	5.0 __VIN_UVLO_RISING
VIN_{UVLOF} Internal VIN UVLO falling		2.6	2.9	3.2	V	5.1 __VIN_UVLO_FALLING
$HYST_{VIN-UVLO}$ Internal VIN UVLO hysteresis			0.55	0.75	V	5.2 __VIN_UVLO_HYSTERESIS
I_Q Quiescent current	I_{OUT} = 0 mA, EN = 7 V		5	10	mA	3.0 __IQ_Vin_4p5V, 3.2 __IQ_Vin_14p0V
I_F VIN to VOUT forward leakage current	EN = 0 V, VOUT = 0 V, measured VOUT current, VIN = 14 V		1	1.3	mA	4.9 __Forward_Leakage_14p0V
	EN = 0 V, VOUT = 0 V, measured VOUT current, VIN = 12 V		0.65	0.94	mA	4.7 __Forward_Leakage_12p0V
	EN = 0 V, VOUT = 0 V, measured VOUT current, VIN = 9 V		0.15	0.49	mA	4.5 __Forward_Leakage_9p0V
	EN = 0 V, VOUT = 0 V, measured VOUT current, VIN = 4.5 V		0.04	0.23	mA	4.1 __Forward_Leakage_4p5V
I_{SD} VIN off-state supply current	EN = 0 V, VOUT = 0 V, measured VIN current, VIN = 14 V		6.9	10	mA	4.8 __ISD_Vin_14p0V
	EN = 0 V, VOUT = 0 V, measured VIN current, VIN = 12 V		5.9	9.5	mA	4.6 __ISD_Vin_12p0V
	EN = 0 V, VOUT = 0 V, measured VIN current, VIN = 9 V		4.4	8	mA	4.4 __ISD_Vin_9p0V
	EN = 0 V, VOUT = 0 V, measured VIN current, VIN = 4.5 V		3.7	7	mA	4.0 __ISD_Vin_4p5V
I_{RCP} Reverse current protection leakage current	EN = 0 V, VOUT = 0 to 14 V and VOUT > VIN		44	250	µA	3.1 __IRCP_EN0p0V_4p5V, 3.3 __IRCP_EN0p0V_14p0V
	EN = 7 V, VIN = 0 V, VOUT = 0 to 14 V		37	240	µA	3.4 __IRCP_EN7p0V_4p5V, 3.5 __IRCP_EN7p0V_14p0V
I_{SS} Soft start charge current			65	83	µA	6.3 __SS_Icharge_4p5V, 6.7 __SS_Icharge_14V
V_{IHEN} EN threshold voltage, rising		0.60	0.63	0.68	V	6.0 __EN_UVLO_RISING_4p5V, 6.4 __EN_UVLO_RISING_14V
V_{ILEN} EN threshold voltage, falling		0.50	0.52	0.57	V	6.1 __EN_UVLO_FALLING_4p5V, 6.5 __EN_UVLO_FALLING_14V
$HYST_{EN}$ EN hysteresis voltage		94	109	139	mV	6.2 __EN_UVLO_HYSTERESIS_4p5V, 6.6 __EN_UVLO_HYSTERESIS_14V

Table 3-1. TPS7H2211-SP Specification Compliance Matrix (continued)

PARAMETER	TEST CONDITION	TPS7H2211-SP DATA SHEET (SLVSEW6)				TEST#
		MIN	TYP	MAX	UNIT	
I_{EN} EN pin input leakage current	EN = 7 V, VIN = 14 V		2	12	nA	6.8 __EN7p0V_I_Vin14V
V_{OVPR} OVP threshold voltage, rising		1.11	1.15	1.18	V	7.0 __OVP_UVLO_RISING_4p5V, 7.3 __OVP_UVLO_RISING_14p0V
V_{OVPF} OVP threshold voltage, falling		1.09	1.14	1.17	V	7.1 __OVP_UVLO_FALLING_4p5V, 7.4 __OVP_UVLO_FALLING_14p0V
$HYST_{OVP}$ OVP hysteresis voltage	4.6 V < VIN < 14 V	5	14	40	mV	7.2 __OVP_UVLO_HYSTERESIS_4p5V, 7.5 __OVP_UVLO_HYSTERESIS_14p0V
I_{OVP} OVP pin input leakage current	OVP = 7 V		1.5	12	nA	7.6 __OVP_I_Vin7V, 7.7 __OVP_I_Vin5V, 7.8 __OVP_I_Vin3p3V, 7.9 __OVP_I_Vin1p8V, 7.10__OVP_I_Vin1p5V
R_{ON}On-state resistance, lead length ≈ 2.5 mm	VIN = 14 V, IOUT = 3.5 A, 25°C		54	60	mΩ	8.4 __RdsOn_3p50A_14p0V
	VIN = 12 V, IOUT = 3.5 A, 25°C		54	60	mΩ	8.3 __RdsOn_3p50A_12p0V
	VIN = 9 V, IOUT = 3.5 A, 25°C		54	61	mΩ	8.2 __RdsOn_3p50A_9p0V
	VIN = 6 V, IOUT = 3.5 A, 25°C		54	61	mΩ	8.1 __RdsOn_3p50A_6p0V
	VIN = 4.5 V, IOUT = 3.5 A, 25°C		59	65	mΩ	8.0 __RdsOn_3p50A_4p5V

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, *TPS7H2211-SP Radiation-Hardness-Assured (RHA) 14-V, 3.5-A Load Switch* data sheet
- Texas Instruments, *TPS7H2211EVM-CVAL Evaluation Module* user's guide
- Texas Instruments, *Single-Event-Effects Test Report of the TPS7H2211-SP Load Switch* radiation report

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: Specifications Requiring Clarification

Data sheet specifications for which there is no parametric data and, therefore, not in the TID report. Functionality is assured by ATE testing.

Table A-1. Specifications Requiring Clarification - Set #1

PARAMETER	TEST CONDITION	TPS7H2211-SP DATA SHEET (SLVSEW6)			
		MIN	TYP	MAX	UNIT
t_{LOW_OFF} EN signal low time during cycling	VOUT falls to < 90%	20			µs
VIN_{EN} VIN percentage for enable(1)		75%			

(1) VIN must be ≥ 75% of its final value before EN is asserted only if VIN_{SR} > $VOUT_{SR}$.

Data sheet specifications for which no data is available in TID report as specification was verified through bench testing. TID testing is by ATE.

Table A-2. Specifications Requiring Clarification - Set #2

PARAMETER	TEST CONDITION	TPS7H2211-SP DATA SHEET (SLVSEW6)			
		MIN	TYP	MAX	UNIT
V_{RCP_ENTER} Reverse current protection enter voltage(1)	EN = 7V, VIN = 4.5V		390		mV
	EN = 7V, VIN = 14V		363		mV
V_{RCP_EXIT} Reverse current protection exit voltage(1)	EN = 7V, VIN = 4.5V		264		mV
	EN = 7V, VIN = 14V		249		mV
t_{RCP} Reverse current protection response time	EN = 7V, VIN = 4.5V		208		µs
	EN = 7V, VIN = 14V		247		µs
I_{L_trip} Internal current limit trip point	VIN = 12V, C_{SS} = 2nF		8		A
I_{L_peak} Fast trip off current limit peak	VIN = 12V, 10Ω to 10mΩ short in 1µs, switch inductance = 270nH		25		A
t_{ftr} Fast trip off response time			2.3		µs
t_{fto} Fast trip off off-time	VIN = 12V, C_{SS} = 2nF		51		µs
Thermal shutdown			155		°C
Thermal shutdown hysteresis			20		°C
t_{ON} Turn-on time	VIN = 5V		107		µs
t_{OFF} Turn-off time	VIN = 5V		56		µs
t_F VOUT fall time	VIN = 5V		167		µs
t_{ASSERT} OVP Assert time	VIN = 5V		8		µs
$t_{DEASSERT}$ OVP deassert time	VIN = 5V		41		µs
t_{ON} Turn-on time	VIN = 12V		220		µs
t_{OFF} Turn-off time	VIN = 12V		41		µs

Table A-2. Specifications Requiring Clarification - Set #2 (continued)

PARAMETER	TEST CONDITION	TPS7H2211-SP DATA SHEET (SLVSEW6)			
		MIN	TYP	MAX	UNIT
t_F VOUT fall time	VIN = 12V		139		µs
t_{ASSERT} OVP Assert time	VIN = 12V		6		µs
$t_{DEASSERT}$ OVP deassert time	VIN = 12V		63		µs

(1) This parameter is not referenced to GND; it is referenced from VOUT to VIN.

Data sheet specifications that are not covered in TID report because specification condition is at temperature other than 25°C. TID testing is at 25°C only.

Table A-3. Specifications Requiring Clarification - Set #3

PARAMETER	TEST CONDITION	TPS7H2211-SP DATA SHEET (SLVSEW6)			
		MIN	TYP	MAX	UNIT
R_{ON} On-state resistance, lead length ≈ 2.5mm	VIN = 14V, IOUT = 3.5A, –55°C		41	45	mΩ
	VIN = 14V, IOUT = 3.5A, –40°C		43	46	mΩ
	VIN = 14V, IOUT = 3.5A, 85°C		65	71	mΩ
	VIN = 14V, IOUT = 3.5A, 125°C		72	79	mΩ
	VIN = 12V, IOUT = 3.5A, –55°C		41	45	mΩ
	VIN = 12V, IOUT = 3.5A, –40°C		43	46	mΩ
	VIN = 12V, IOUT = 3.5A, 85°C		65	71	mΩ
	VIN = 12V, IOUT = 3.5A, 125°C		72	79	mΩ
	VIN = 9V, IOUT = 3.5A, –55°C		41	45	mΩ
	VIN = 9V, IOUT = 3.5A, –40°C		43	46	mΩ
	VIN = 9V, IOUT = 3.5A, 85°C		65	71	mΩ
	VIN = 9V, IOUT = 3.5A, 125°C		72	79	mΩ
	VIN = 6V, IOUT = 3.5A, –55°C		41	45	mΩ
	VIN = 6V, IOUT = 3.5A, –40°C		43	47	mΩ
	VIN = 6V, IOUT = 3.5A, 85°C		65	71	mΩ
	VIN = 6V, IOUT = 3.5A, 125°C		72	79	mΩ
	VIN = 4.5V, IOUT = 3.5A, –55°C		44	48	mΩ
	VIN = 4.5V, IOUT = 3.5A, –40°C		47	50	mΩ
	VIN = 4.5V, IOUT = 3.5A, 85°C		71	76	mΩ
	VIN = 4.5V, IOUT = 3.5A, 125°C		79	84	mΩ

B Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

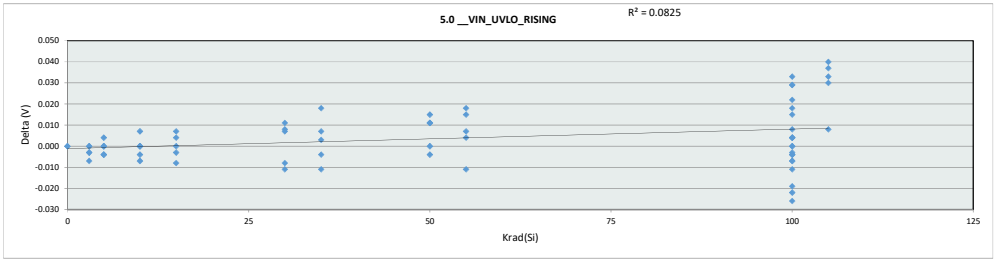
HDR TID REPORT
TPS7H2211-SP

IDENTIFIER	DESCRIPTION
0	Control Unit
3	3 krad(Si) biased
5	3 krad(Si) unbiased
10	10 krad(Si) biased
15	10 krad(Si) unbiased
30	30 krad(Si) biased
35	30 krad(Si) unbiased
50	50 krad(Si) biased
55	50 krad(Si) unbiased
100	100 krad(Si) biased
105	100 krad(Si) unbiased

HDR TID Report
TPS7H2211-SP

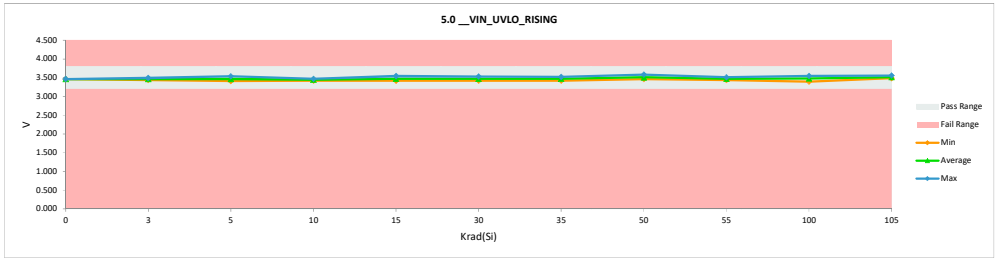
	5.0 __VIN_UVLO_RISING	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.8	3.8
Min Limit	3.2	3.2

Krad(Si)	Serial #	PRE	POST	Delta
0	227	3.461	3.461	0.000
0	229	3.468	3.468	0.000
3	107	3.442	3.439	-0.003
3	108	3.479	3.476	-0.003
3	109	3.501	3.494	-0.007
3	110	3.468	3.468	0.000
3	111	3.450	3.450	0.000
5	112	3.501	3.505	0.004
5	113	3.409	3.409	0.000
5	114	3.428	3.428	0.000
5	115	3.472	3.468	-0.004
5	116	3.542	3.538	-0.004
10	96	3.424	3.424	0.000
10	97	3.446	3.442	-0.004
10	98	3.468	3.461	-0.007
10	99	3.465	3.472	0.007
10	100	3.446	3.446	0.000
15	101	3.428	3.428	0.000
15	102	3.428	3.420	-0.008
15	104	3.538	3.545	0.007
15	105	3.468	3.465	-0.003
15	106	3.494	3.498	0.004
30	83	3.428	3.435	0.007
30	84	3.501	3.509	0.008
30	85	3.435	3.424	-0.011
30	86	3.523	3.534	0.011
30	87	3.476	3.468	-0.008
35	88	3.490	3.479	-0.011
35	92	3.509	3.512	0.003
35	93	3.505	3.523	0.018
35	94	3.428	3.424	-0.004
35	95	3.428	3.435	0.007
50	1	3.490	3.501	0.011
50	2	3.454	3.465	0.011
50	3	3.538	3.534	-0.004
50	5	3.571	3.586	0.015
50	6	3.476	3.476	0.000
55	7	3.505	3.512	0.007
55	8	3.494	3.498	0.004
55	9	3.424	3.439	0.015
55	10	3.468	3.457	-0.011
55	11	3.439	3.457	0.018
100	29	3.450	3.431	-0.019
100	30	3.523	3.527	0.004
100	31	3.402	3.398	-0.004
100	32	3.476	3.476	0.000
100	34	3.454	3.476	0.022
100	35	3.472	3.501	0.029
100	36	3.509	3.498	-0.011
100	38	3.483	3.457	-0.026
100	39	3.494	3.523	0.029
100	41	3.424	3.442	0.018
100	42	3.431	3.428	-0.003
100	43	3.516	3.549	0.033
100	45	3.490	3.483	-0.007
100	46	3.483	3.483	0.000
100	47	3.509	3.487	-0.022
100	48	3.468	3.472	0.004
100	49	3.494	3.490	-0.004
100	51	3.457	3.472	0.015
100	54	3.483	3.479	-0.004
100	56	3.446	3.450	0.004
100	57	3.523	3.527	0.004
100	58	3.549	3.542	-0.007
100	59	3.523	3.531	0.008
105	61	3.520	3.560	0.040
105	62	3.483	3.520	0.037
105	64	3.476	3.509	0.033
105	65	3.479	3.487	0.008
105	66	3.490	3.520	0.030
	Max	3.571	3.586	0.040
	Average	3.476	3.480	0.004
	Min	3.402	3.398	-0.026
	Std Dev	0.037	0.040	0.013



	5.0 __VIN_UVLO_RISING	
Test Site		
Tester		
Test Number		
Max Limit	3.8	V
Min Limit	3.2	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200
Min	3.461	3.439	3.409	3.424	3.420	3.424	3.424	3.465	3.439	3.398	3.487
Average	3.465	3.465	3.470	3.449	3.471	3.474	3.475	3.512	3.473	3.484	3.519
Max	3.468	3.494	3.538	3.472	3.545	3.534	3.523	3.586	3.512	3.549	3.560
UL	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800



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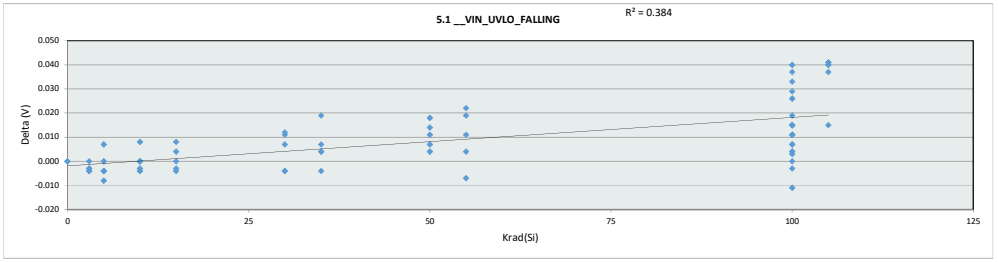
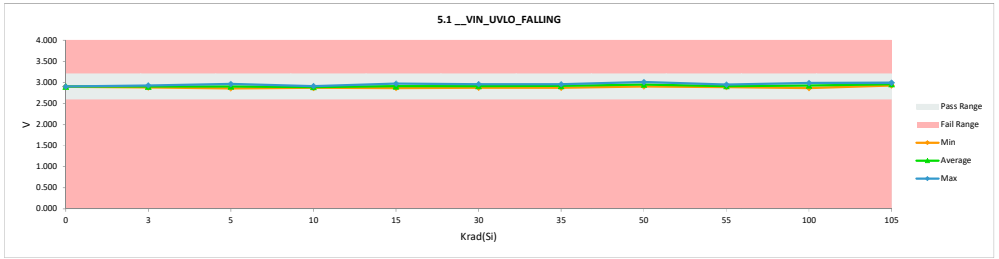
	5.1 __VIN_UVLO_FALLING	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	3.2	3.2
Min Limit	2.6	2.6

Krad(Si)	Serial #	PRE	POST	Delta
0	227	2.902	2.902	0.000
0	229	2.905	2.905	0.000
3	107	2.883	2.883	0.000
3	108	2.916	2.913	-0.003
3	109	2.935	2.931	-0.004
3	110	2.909	2.905	-0.004
3	111	2.894	2.891	-0.003
5	112	2.931	2.938	0.007
5	113	2.861	2.861	0.000
5	114	2.876	2.872	-0.004
5	115	2.913	2.905	-0.008
5	116	2.968	2.964	-0.004
10	96	2.872	2.872	0.000
10	97	2.891	2.887	-0.004
10	98	2.905	2.902	-0.003
10	99	2.905	2.913	0.008
10	100	2.891	2.891	0.000
15	101	2.876	2.876	0.000
15	102	2.872	2.869	-0.003
15	104	2.964	2.972	0.008
15	105	2.909	2.905	-0.004
15	106	2.927	2.931	0.004
30	83	2.872	2.883	0.011
30	84	2.935	2.942	0.007
30	85	2.880	2.876	-0.004
30	86	2.949	2.961	0.012
30	87	2.913	2.909	-0.004
35	88	2.924	2.920	-0.004
35	92	2.942	2.946	0.004
35	93	2.938	2.957	0.019
35	94	2.872	2.876	0.004
35	95	2.876	2.883	0.007
50	1	2.924	2.938	0.014
50	2	2.898	2.909	0.011
50	3	2.964	2.968	0.004
50	5	2.990	3.008	0.018
50	6	2.913	2.920	0.007
55	7	2.938	2.949	0.011
55	8	2.931	2.935	0.004
55	9	2.869	2.891	0.022
55	10	2.909	2.902	-0.007
55	11	2.883	2.902	0.019
100	29	2.891	2.891	0.000
100	30	2.953	2.968	0.015
100	31	2.854	2.865	0.011
100	32	2.913	2.924	0.011
100	34	2.891	2.920	0.029
100	35	2.909	2.946	0.037
100	36	2.942	2.946	0.004
100	38	2.916	2.905	-0.011
100	39	2.931	2.964	0.033
100	41	2.872	2.898	0.026
100	42	2.880	2.887	0.007
100	43	2.946	2.986	0.040
100	45	2.924	2.927	0.003
100	46	2.920	2.931	0.011
100	47	2.938	2.935	-0.003
100	48	2.905	2.920	0.015
100	49	2.927	2.938	0.011
100	51	2.894	2.920	0.026
100	54	2.920	2.927	0.007
100	56	2.887	2.902	0.015
100	57	2.953	2.968	0.015
100	58	2.975	2.979	0.004
100	59	2.953	2.972	0.019
105	61	2.953	2.994	0.041
105	62	2.920	2.961	0.041
105	64	2.913	2.953	0.040
105	65	2.916	2.931	0.015
105	66	2.924	2.961	0.037
	Max	2.990	3.008	0.041
	Average	2.913	2.923	0.009
	Min	2.854	2.861	-0.011
	Std Dev	0.030	0.035	0.013



	5.1 __VIN_UVLO_FALLING										
Test Site											
Tester											
Test Number											
Max Limit	3.2	V									
Min Limit	2.6	V									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600	2.600
Min	2.902	2.883	2.861	2.872	2.869	2.876	2.876	2.909	2.891	2.865	2.931
Average	2.904	2.905	2.908	2.893	2.911	2.914	2.916	2.949	2.916	2.931	2.960
Max	2.905	2.931	2.964	2.913	2.972	2.961	2.957	3.008	2.949	2.986	2.994
UL	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200	3.200



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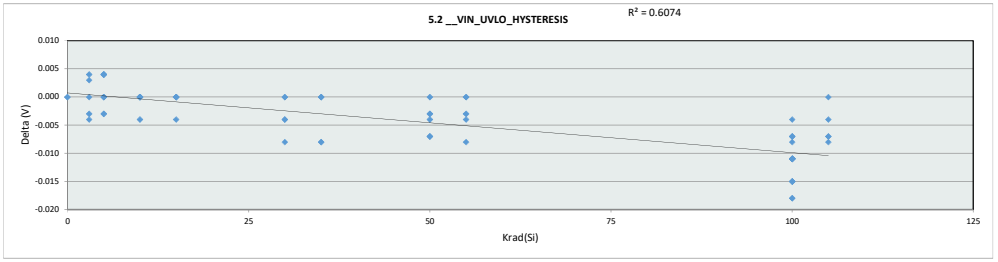
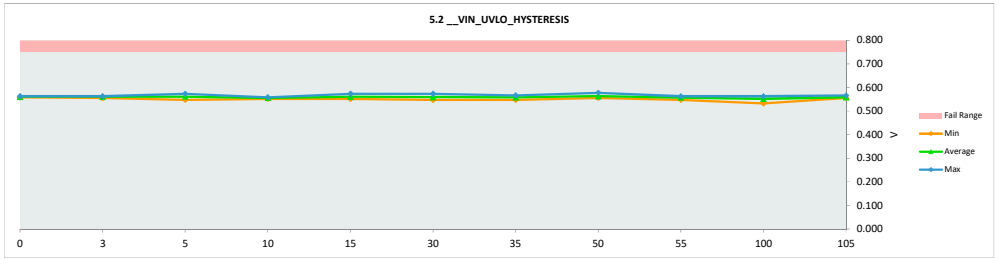
	5.2 __VIN_UVLO_HYSTERESIS	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.75	0.75
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.559	0.559	0.000
0	229	0.563	0.563	0.000
3	107	0.559	0.556	-0.003
3	108	0.563	0.563	0.000
3	109	0.567	0.563	-0.004
3	110	0.559	0.563	0.004
3	111	0.556	0.559	0.003
5	112	0.570	0.567	-0.003
5	113	0.548	0.548	0.000
5	114	0.552	0.556	0.004
5	115	0.559	0.563	0.004
5	116	0.574	0.574	0.000
10	96	0.552	0.552	0.000
10	97	0.556	0.556	0.000
10	98	0.563	0.559	-0.004
10	99	0.559	0.559	0.000
10	100	0.556	0.556	0.000
15	101	0.552	0.552	0.000
15	102	0.556	0.552	-0.004
15	104	0.574	0.574	0.000
15	105	0.559	0.559	0.000
15	106	0.567	0.567	0.000
30	83	0.556	0.552	-0.004
30	84	0.567	0.567	0.000
30	85	0.556	0.548	-0.008
30	86	0.574	0.574	0.000
30	87	0.563	0.559	-0.004
35	88	0.567	0.559	-0.008
35	92	0.567	0.567	0.000
35	93	0.567	0.567	0.000
35	94	0.556	0.548	-0.008
35	95	0.552	0.552	0.000
50	1	0.567	0.563	-0.004
50	2	0.556	0.556	0.000
50	3	0.574	0.567	-0.007
50	5	0.581	0.578	-0.003
50	6	0.563	0.556	-0.007
55	7	0.567	0.563	-0.004
55	8	0.563	0.563	0.000
55	9	0.556	0.548	-0.008
55	10	0.559	0.556	-0.003
55	11	0.556	0.556	0.000
100	29	0.559	0.541	-0.018
100	30	0.570	0.559	-0.011
100	31	0.548	0.533	-0.015
100	32	0.563	0.552	-0.011
100	34	0.563	0.556	-0.007
100	35	0.563	0.556	-0.007
100	36	0.567	0.552	-0.015
100	38	0.567	0.552	-0.015
100	39	0.563	0.559	-0.004
100	41	0.552	0.544	-0.008
100	42	0.552	0.541	-0.011
100	43	0.570	0.563	-0.007
100	45	0.567	0.556	-0.011
100	46	0.563	0.552	-0.011
100	47	0.570	0.552	-0.018
100	48	0.563	0.552	-0.011
100	49	0.567	0.552	-0.015
100	51	0.563	0.552	-0.011
100	54	0.563	0.552	-0.011
100	56	0.559	0.548	-0.011
100	57	0.570	0.559	-0.011
100	58	0.574	0.563	-0.011
100	59	0.570	0.559	-0.011
105	61	0.567	0.567	0.000
105	62	0.563	0.559	-0.004
105	64	0.563	0.556	-0.007
105	65	0.563	0.556	-0.007
105	66	0.567	0.559	-0.008
	Max	0.581	0.578	0.004
	Average	0.563	0.557	-0.005
	Min	0.548	0.533	-0.018
	Std Dev	0.007	0.008	0.006



	5.2 __VIN_UVLO_HYSTERESIS										
Test Site											
Tester											
Test Number											
Max Limit	0.75	V									
Min Limit		V									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.559	0.556	0.548	0.552	0.552	0.548	0.548	0.556	0.548	0.533	0.556
Average	0.561	0.561	0.562	0.556	0.561	0.560	0.559	0.564	0.557	0.552	0.559
Max	0.563	0.563	0.574	0.559	0.574	0.574	0.567	0.578	0.563	0.563	0.567
UL	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750	0.750



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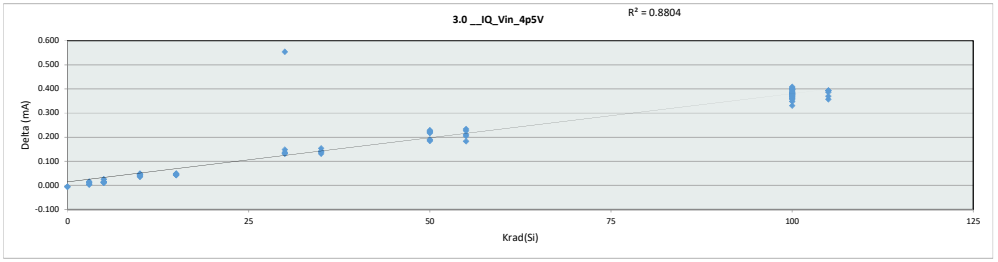
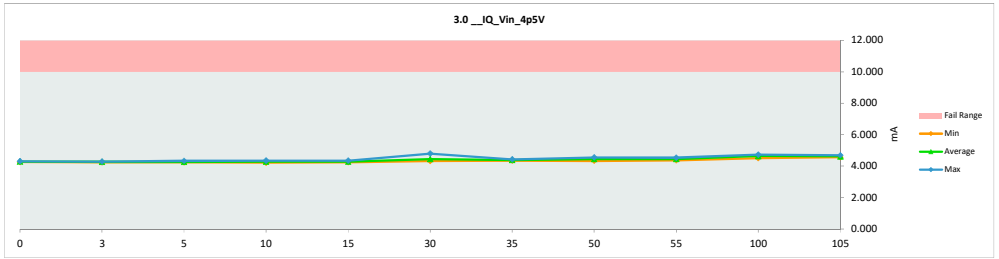
	3.0 __IQ_Vin_4p5V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	10	10
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	4.258	4.252	-0.006
0	229	4.318	4.312	-0.006
3	107	4.261	4.277	0.016
3	108	4.259	4.271	0.012
3	109	4.229	4.233	0.005
3	110	4.279	4.289	0.010
3	111	4.279	4.281	0.003
5	112	4.254	4.268	0.014
5	113	4.305	4.330	0.025
5	114	4.222	4.236	0.013
5	115	4.247	4.260	0.013
5	116	4.238	4.249	0.011
10	96	4.304	4.348	0.045
10	97	4.254	4.302	0.048
10	98	4.169	4.214	0.045
10	99	4.255	4.294	0.039
10	100	4.261	4.296	0.035
15	101	4.297	4.345	0.048
15	102	4.211	4.260	0.048
15	104	4.223	4.265	0.042
15	105	4.306	4.350	0.044
15	106	4.200	4.244	0.044
30	83	4.229	4.366	0.136
30	84	4.259	4.407	0.148
30	85	4.243	4.797	0.554
30	86	4.182	4.314	0.131
30	87	4.211	4.344	0.133
35	88	4.275	4.428	0.154
35	92	4.216	4.346	0.131
35	93	4.235	4.378	0.142
35	94	4.246	4.385	0.139
35	95	4.265	4.403	0.138
50	1	4.243	4.460	0.217
50	2	4.314	4.536	0.222
50	3	4.146	4.336	0.190
50	5	4.188	4.373	0.185
50	6	4.325	4.554	0.228
55	7	4.282	4.515	0.234
55	8	4.308	4.535	0.227
55	9	4.204	4.409	0.205
55	10	4.233	4.443	0.211
55	11	4.188	4.372	0.183
100	29	4.328	4.732	0.404
100	30	4.293	4.654	0.360
100	31	4.266	4.644	0.378
100	32	4.209	4.566	0.357
100	34	4.206	4.574	0.368
100	35	4.166	4.552	0.386
100	36	4.292	4.666	0.374
100	38	4.184	4.550	0.366
100	39	4.249	4.652	0.403
100	41	4.240	4.638	0.398
100	42	4.268	4.634	0.366
100	43	4.276	4.666	0.390
100	45	4.258	4.643	0.385
100	46	4.311	4.693	0.381
100	47	4.276	4.685	0.409
100	48	4.177	4.508	0.331
100	49	4.287	4.635	0.348
100	51	4.294	4.691	0.397
100	54	4.289	4.685	0.396
100	56	4.283	4.659	0.376
100	57	4.267	4.649	0.382
100	58	4.300	4.699	0.398
100	59	4.295	4.667	0.372
105	61	4.295	4.688	0.393
105	62	4.240	4.610	0.370
105	64	4.260	4.647	0.387
105	65	4.208	4.601	0.394
105	66	4.206	4.563	0.357
	Max	4.328	4.797	0.554
	Average	4.252	4.468	0.215
	Min	4.146	4.214	-0.006
	Std Dev	0.043	0.168	0.159



	3.0 __IQ_Vin_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	10	mA
Min Limit		mA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	4.252	4.233	4.236	4.214	4.244	4.314	4.346	4.336	4.372	4.508	4.563
Average	4.282	4.270	4.268	4.291	4.293	4.445	4.388	4.452	4.455	4.641	4.622
Max	4.312	4.289	4.330	4.349	4.350	4.797	4.428	4.554	4.535	4.732	4.689
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000



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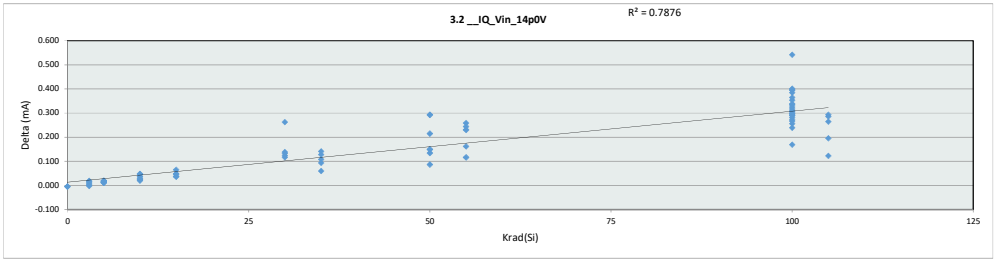
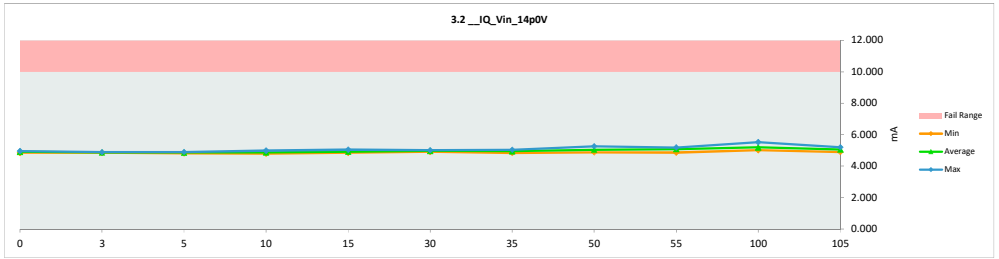
	3.2 __IQ_Vin_14p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	10	10
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	4.852	4.847	-0.005
0	229	4.965	4.959	-0.005
3	107	4.872	4.891	0.018
3	108	4.864	4.880	0.016
3	109	4.844	4.842	-0.002
3	110	4.878	4.887	0.010
3	111	4.865	4.869	0.004
5	112	4.881	4.895	0.014
5	113	4.853	4.869	0.016
5	114	4.853	4.864	0.011
5	115	4.794	4.806	0.012
5	116	4.874	4.894	0.019
10	96	4.933	4.980	0.047
10	97	4.803	4.827	0.024
10	98	4.764	4.801	0.037
10	99	4.820	4.841	0.020
10	100	4.879	4.909	0.029
15	101	4.979	5.044	0.065
15	102	4.795	4.841	0.047
15	104	4.816	4.853	0.036
15	105	4.945	4.982	0.037
15	106	4.849	4.897	0.048
30	83	4.871	5.009	0.138
30	84	4.883	5.007	0.124
30	85	4.746	5.008	0.262
30	86	4.786	4.903	0.117
30	87	4.795	4.928	0.133
35	88	4.874	5.001	0.128
35	92	4.778	4.838	0.060
35	93	4.784	4.877	0.093
35	94	4.874	4.982	0.108
35	95	4.892	5.033	0.141
50	1	4.853	5.002	0.149
50	2	4.936	5.151	0.215
50	3	4.746	4.881	0.134
50	5	4.821	4.907	0.087
50	6	4.972	5.264	0.293
55	7	4.938	5.168	0.230
55	8	4.938	5.100	0.162
55	9	4.839	5.083	0.244
55	10	4.926	5.185	0.258
55	11	4.744	4.860	0.116
100	29	4.985	5.527	0.542
100	30	4.941	5.213	0.272
100	31	4.863	5.217	0.353
100	32	4.812	5.102	0.290
100	34	4.831	5.128	0.298
100	35	4.721	5.012	0.291
100	36	4.931	5.197	0.266
100	38	4.822	5.217	0.395
100	39	4.847	5.185	0.338
100	41	4.855	5.151	0.296
100	42	4.912	5.277	0.364
100	43	4.786	5.067	0.281
100	45	4.905	5.301	0.396
100	46	4.900	5.285	0.384
100	47	4.888	5.192	0.304
100	48	4.803	5.111	0.309
100	49	4.906	5.239	0.333
100	51	4.926	5.327	0.401
100	54	4.888	5.144	0.256
100	56	4.866	5.035	0.169
100	57	4.893	5.210	0.317
100	58	4.913	5.238	0.325
100	59	4.914	5.153	0.239
105	61	4.913	5.199	0.286
105	62	4.847	5.140	0.293
105	64	4.849	5.045	0.196
105	65	4.776	4.898	0.122
105	66	4.775	5.040	0.265
Max		4.985	5.527	0.542
Average		4.861	5.036	0.175
Min		4.721	4.801	-0.005
Std Dev		0.062	0.160	0.135



	3.2 __IQ_Vin_14p0V	
Test Site		
Tester		
Test Number		
Max Limit	10	mA
Min Limit		mA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	4.848	4.842	4.806	4.801	4.842	4.903	4.838	4.881	4.860	5.012	4.898
Average	4.903	4.874	4.866	4.872	4.923	4.971	4.946	5.041	5.079	5.197	5.064
Max	4.959	4.891	4.895	4.980	5.044	5.009	5.033	5.264	5.185	5.527	5.199
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000



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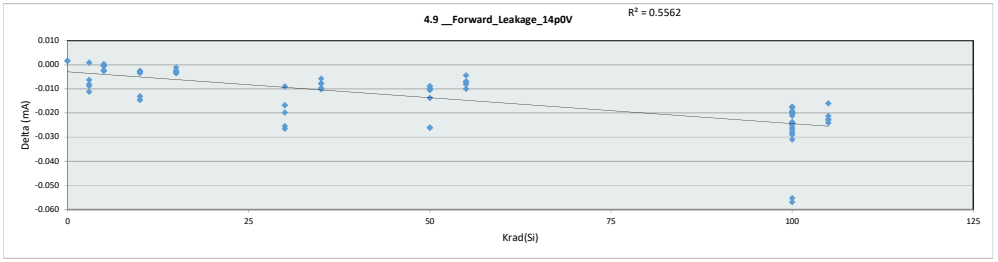
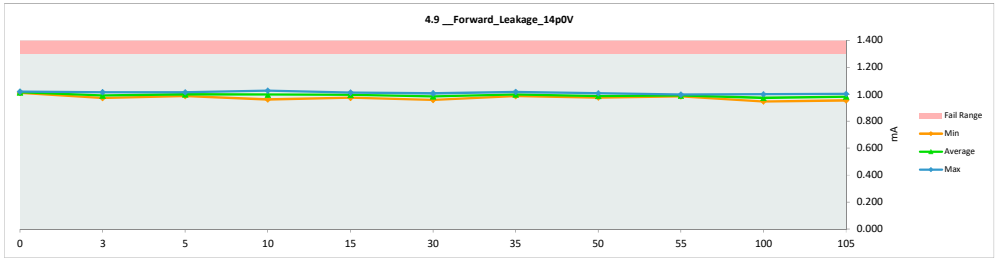
	4.9 __Forward_Leakage_14p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	1.3	1.3
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.008	1.010	0.002
0	229	1.019	1.021	0.002
3	107	0.981	0.972	-0.009
3	108	0.998	0.987	-0.011
3	109	1.015	1.016	0.001
3	110	0.985	0.979	-0.006
3	111	1.005	0.997	-0.008
5	112	1.016	1.015	0.000
5	113	1.006	1.004	-0.002
5	114	0.989	0.987	-0.002
5	115	0.988	0.988	0.000
5	116	1.005	1.006	0.000
10	96	1.014	1.001	-0.013
10	97	1.004	1.001	-0.003
10	98	1.030	1.027	-0.003
10	99	0.976	0.962	-0.015
10	100	1.000	0.997	-0.003
15	101	0.978	0.974	-0.003
15	102	1.001	0.998	-0.002
15	104	0.989	0.987	-0.003
15	105	1.015	1.013	-0.001
15	106	1.011	1.007	-0.003
30	83	1.009	0.990	-0.020
30	84	0.991	0.974	-0.017
30	85	1.016	1.007	-0.009
30	86	0.983	0.958	-0.025
30	87	1.019	0.992	-0.026
35	88	1.002	0.992	-0.010
35	92	1.011	1.003	-0.008
35	93	1.006	0.996	-0.010
35	94	1.023	1.017	-0.006
35	95	0.995	0.987	-0.008
50	1	0.996	0.982	-0.014
50	2	1.003	0.995	-0.009
50	3	0.988	0.978	-0.010
50	5	1.001	0.975	-0.026
50	6	1.018	1.008	-0.010
55	7	1.008	0.998	-0.010
55	8	0.999	0.995	-0.004
55	9	0.993	0.985	-0.008
55	10	0.998	0.991	-0.007
55	11	0.993	0.986	-0.007
100	29	1.010	0.986	-0.025
100	30	0.997	0.969	-0.028
100	31	0.982	0.957	-0.024
100	32	1.017	0.986	-0.031
100	34	0.982	0.962	-0.020
100	35	1.004	0.949	-0.055
100	36	1.008	0.988	-0.020
100	38	1.002	0.983	-0.019
100	39	0.995	0.969	-0.026
100	41	1.010	0.986	-0.024
100	42	0.991	0.970	-0.021
100	43	1.003	0.946	-0.057
100	45	1.007	0.988	-0.020
100	46	1.006	0.977	-0.029
100	47	0.992	0.972	-0.020
100	48	0.994	0.976	-0.018
100	49	0.995	0.971	-0.024
100	51	0.990	0.973	-0.017
100	54	0.975	0.948	-0.027
100	56	1.025	1.001	-0.024
100	57	0.989	0.964	-0.025
100	58	1.000	0.982	-0.018
100	59	1.017	0.997	-0.020
105	61	1.003	0.981	-0.023
105	62	1.023	1.002	-0.021
105	64	0.979	0.955	-0.024
105	65	1.019	1.003	-0.016
105	66	0.996	0.973	-0.023
	Max	1.030	1.027	0.002
	Average	1.001	0.987	-0.015
	Min	0.975	0.946	-0.057
	Std Dev	0.013	0.018	0.012



	4.9 __Forward_Leakage_14p0	
Test Site		
Tester		
Test Number		
Max Limit	1.3	mA
Min Limit		mA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	1.010	0.972	0.987	0.962	0.974	0.958	0.987	0.975	0.985	0.946	0.955
Average	1.015	0.990	1.000	0.998	0.996	0.984	0.999	0.988	0.991	0.974	0.983
Max	1.021	1.016	1.015	1.027	1.013	1.007	1.017	1.008	0.998	1.001	1.003
UL	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300	1.300



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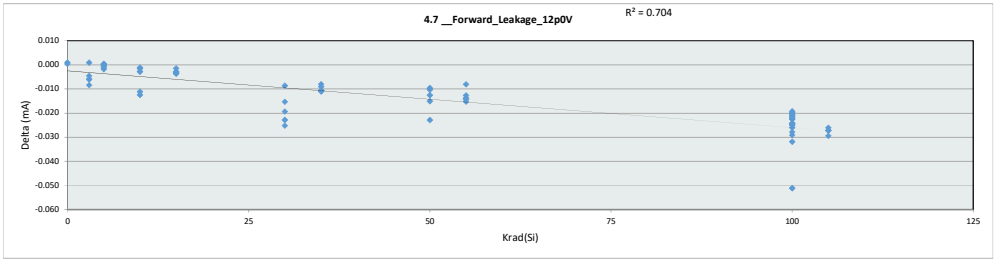
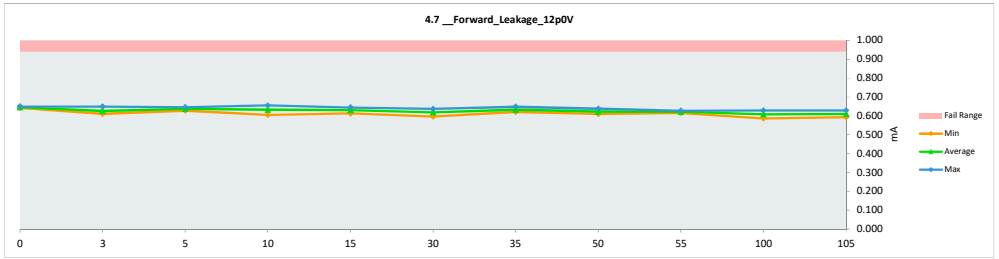
	4.7 __Forward_Leakage_12p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	0.94	0.94
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.641	0.642	0.001
0	229	0.649	0.650	0.000
3	107	0.617	0.611	-0.006
3	108	0.630	0.622	-0.008
3	109	0.648	0.649	0.001
3	110	0.622	0.618	-0.005
3	111	0.638	0.632	-0.006
5	112	0.646	0.646	0.000
5	113	0.640	0.639	-0.001
5	114	0.630	0.629	-0.002
5	115	0.627	0.627	0.000
5	116	0.643	0.643	0.000
10	96	0.644	0.633	-0.011
10	97	0.636	0.635	-0.001
10	98	0.657	0.655	-0.002
10	99	0.617	0.605	-0.013
10	100	0.639	0.636	-0.003
15	101	0.616	0.613	-0.003
15	102	0.636	0.633	-0.003
15	104	0.626	0.622	-0.004
15	105	0.646	0.645	-0.001
15	106	0.641	0.637	-0.004
30	83	0.645	0.625	-0.019
30	84	0.625	0.610	-0.015
30	85	0.645	0.636	-0.009
30	86	0.620	0.597	-0.023
30	87	0.649	0.624	-0.025
35	88	0.640	0.629	-0.011
35	92	0.645	0.635	-0.011
35	93	0.641	0.630	-0.011
35	94	0.656	0.648	-0.008
35	95	0.630	0.621	-0.009
50	1	0.634	0.619	-0.015
50	2	0.638	0.629	-0.010
50	3	0.630	0.618	-0.013
50	5	0.632	0.609	-0.023
50	6	0.648	0.638	-0.010
55	7	0.639	0.625	-0.014
55	8	0.632	0.624	-0.008
55	9	0.630	0.615	-0.015
55	10	0.640	0.627	-0.013
55	11	0.632	0.618	-0.014
100	29	0.641	0.616	-0.024
100	30	0.634	0.604	-0.029
100	31	0.621	0.596	-0.025
100	32	0.649	0.617	-0.032
100	34	0.621	0.600	-0.021
100	35	0.638	0.587	-0.051
100	36	0.640	0.620	-0.020
100	38	0.633	0.614	-0.020
100	39	0.630	0.605	-0.025
100	41	0.641	0.616	-0.024
100	42	0.628	0.605	-0.023
100	43	0.640	0.589	-0.051
100	45	0.642	0.619	-0.022
100	46	0.641	0.613	-0.028
100	47	0.629	0.608	-0.021
100	48	0.634	0.611	-0.023
100	49	0.626	0.605	-0.021
100	51	0.628	0.608	-0.019
100	54	0.610	0.586	-0.025
100	56	0.654	0.628	-0.026
100	57	0.625	0.601	-0.024
100	58	0.637	0.617	-0.020
100	59	0.650	0.628	-0.022
105	61	0.634	0.607	-0.027
105	62	0.655	0.628	-0.027
105	64	0.622	0.592	-0.030
105	65	0.648	0.622	-0.026
105	66	0.629	0.601	-0.027
Max		0.657	0.655	0.001
Average		0.636	0.621	-0.015
Min		0.610	0.586	-0.051
Std Dev		0.010	0.016	0.011



	4.7 __Forward_Leakage_12p0										
Test Site											
Tester											
Test Number											
Max Limit	0.94	mA									
Min Limit		mA									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.642	0.611	0.627	0.605	0.613	0.597	0.621	0.609	0.615	0.586	0.592
Average	0.646	0.626	0.637	0.633	0.630	0.618	0.632	0.622	0.622	0.608	0.610
Max	0.650	0.649	0.646	0.655	0.645	0.636	0.648	0.638	0.627	0.628	0.628
UL	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940	0.940



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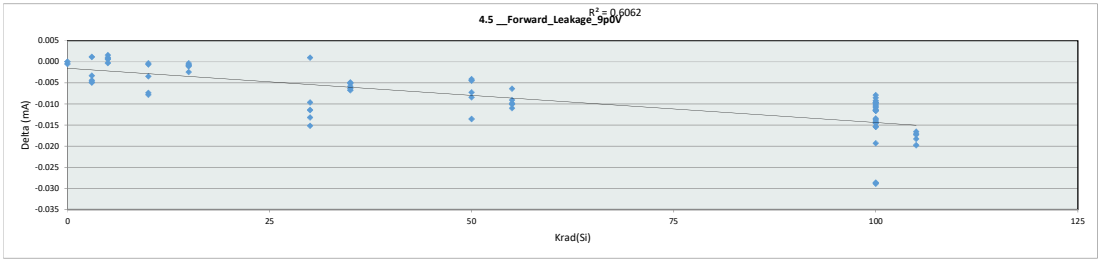
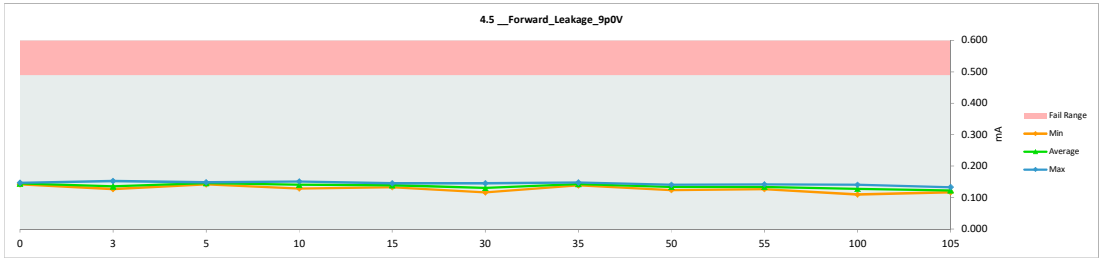
	4.5 __Forward_Leakage_9p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	0.49	0.49
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.142	0.142	0.000
0	229	0.148	0.147	-0.001
3	107	0.131	0.127	-0.004
3	108	0.136	0.131	-0.005
3	109	0.151	0.152	0.001
3	110	0.134	0.131	-0.003
3	111	0.140	0.136	-0.005
5	112	0.148	0.148	0.001
5	113	0.143	0.144	0.001
5	114	0.148	0.148	0.000
5	115	0.140	0.141	0.002
5	116	0.146	0.147	0.001
10	96	0.145	0.137	-0.008
10	97	0.141	0.140	-0.001
10	98	0.151	0.151	0.000
10	99	0.136	0.129	-0.007
10	100	0.149	0.146	-0.003
15	101	0.133	0.132	-0.001
15	102	0.142	0.141	-0.001
15	104	0.135	0.133	-0.002
15	105	0.146	0.145	0.000
15	106	0.145	0.144	-0.001
30	83	0.147	0.135	-0.011
30	84	0.134	0.124	-0.010
30	85	0.144	0.145	0.001
30	86	0.129	0.116	-0.013
30	87	0.146	0.131	-0.015
35	88	0.149	0.142	-0.006
35	92	0.149	0.143	-0.007
35	93	0.147	0.142	-0.006
35	94	0.152	0.147	-0.005
35	95	0.143	0.138	-0.005
50	1	0.140	0.132	-0.008
50	2	0.145	0.140	-0.004
50	3	0.141	0.133	-0.007
50	5	0.137	0.123	-0.014
50	6	0.144	0.140	-0.004
55	7	0.141	0.132	-0.010
55	8	0.142	0.136	-0.006
55	9	0.137	0.126	-0.011
55	10	0.151	0.142	-0.009
55	11	0.145	0.135	-0.010
100	29	0.143	0.130	-0.014
100	30	0.140	0.125	-0.015
100	31	0.136	0.122	-0.014
100	32	0.148	0.129	-0.019
100	34	0.134	0.123	-0.010
100	35	0.138	0.110	-0.029
100	36	0.148	0.139	-0.010
100	38	0.138	0.129	-0.009
100	39	0.140	0.129	-0.011
100	41	0.143	0.130	-0.013
100	42	0.141	0.129	-0.012
100	43	0.144	0.116	-0.029
100	45	0.144	0.133	-0.012
100	46	0.150	0.135	-0.015
100	47	0.140	0.131	-0.010
100	48	0.142	0.126	-0.015
100	49	0.132	0.124	-0.008
100	51	0.140	0.132	-0.009
100	54	0.127	0.115	-0.012
100	56	0.146	0.132	-0.014
100	57	0.139	0.128	-0.011
100	58	0.146	0.136	-0.010
100	59	0.151	0.140	-0.011
105	61	0.139	0.122	-0.017
105	62	0.150	0.133	-0.017
105	64	0.137	0.117	-0.020
105	65	0.143	0.125	-0.018
105	66	0.134	0.117	-0.017
	Max	0.152	0.152	0.002
	Average	0.142	0.134	-0.009
	Min	0.127	0.110	-0.029
	Std Dev	0.006	0.010	0.007



	4.5 __Forward_Leakage_9p0V										
Test Site											
Tester											
Test Number											
Max Limit	0.49	mA									
Min Limit		mA									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.142	0.127	0.141	0.129	0.132	0.116	0.138	0.123	0.126	0.110	0.117
Average	0.145	0.135	0.146	0.140	0.139	0.130	0.142	0.134	0.134	0.128	0.123
Max	0.147	0.152	0.148	0.151	0.145	0.145	0.147	0.140	0.142	0.140	0.133
UL	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490	0.490



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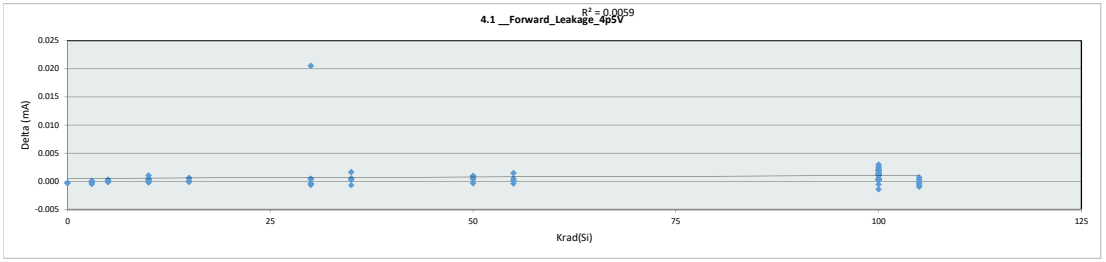
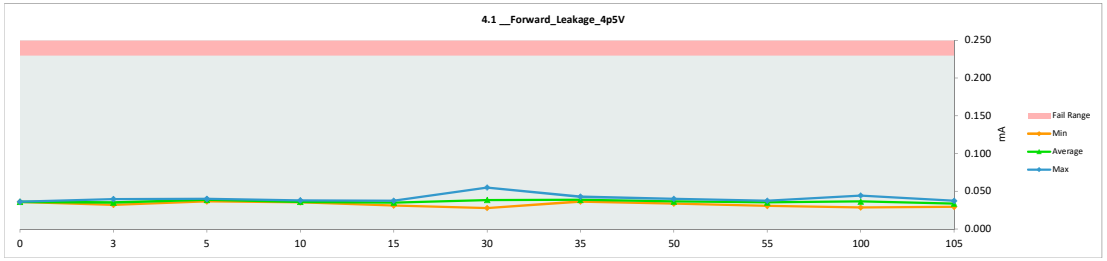
	4.1 __Forward_Leakage_4p5V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	0.23	0.23
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.036	0.036	0.000
0	229	0.037	0.036	0.000
3	107	0.032	0.032	0.000
3	108	0.033	0.033	0.000
3	109	0.040	0.040	0.000
3	110	0.034	0.034	0.000
3	111	0.037	0.037	0.000
5	112	0.036	0.037	0.000
5	113	0.039	0.039	0.000
5	114	0.039	0.039	0.000
5	115	0.039	0.040	0.000
5	116	0.039	0.039	0.000
10	96	0.035	0.036	0.000
10	97	0.036	0.035	0.000
10	98	0.037	0.038	0.001
10	99	0.035	0.035	0.000
10	100	0.035	0.035	0.000
15	101	0.032	0.032	0.000
15	102	0.036	0.037	0.001
15	104	0.031	0.031	0.000
15	105	0.036	0.037	0.001
15	106	0.037	0.037	0.000
30	83	0.039	0.039	0.000
30	84	0.034	0.033	-0.001
30	85	0.034	0.055	0.021
30	86	0.028	0.028	0.000
30	87	0.036	0.037	0.000
35	88	0.043	0.043	-0.001
35	92	0.036	0.036	0.000
35	93	0.037	0.037	0.001
35	94	0.038	0.039	0.002
35	95	0.037	0.037	0.000
50	1	0.034	0.034	0.000
50	2	0.039	0.040	0.001
50	3	0.034	0.034	0.001
50	5	0.034	0.035	0.001
50	6	0.039	0.039	0.000
55	7	0.035	0.035	0.000
55	8	0.035	0.037	0.001
55	9	0.030	0.031	0.000
55	10	0.038	0.037	0.000
55	11	0.036	0.037	0.001
100	29	0.034	0.036	0.002
100	30	0.037	0.039	0.002
100	31	0.035	0.036	0.001
100	32	0.036	0.036	0.000
100	34	0.029	0.030	0.002
100	35	0.031	0.031	0.001
100	36	0.040	0.043	0.003
100	38	0.031	0.034	0.003
100	39	0.033	0.035	0.002
100	41	0.034	0.035	0.001
100	42	0.038	0.037	-0.001
100	43	0.035	0.037	0.001
100	45	0.037	0.036	-0.001
100	46	0.043	0.044	0.001
100	47	0.038	0.039	0.001
100	48	0.032	0.032	0.001
100	49	0.031	0.033	0.002
100	51	0.036	0.038	0.002
100	54	0.027	0.029	0.001
100	56	0.035	0.036	0.000
100	57	0.038	0.038	0.000
100	58	0.041	0.041	0.000
100	59	0.042	0.044	0.002
105	61	0.035	0.036	0.000
105	62	0.037	0.037	0.001
105	64	0.033	0.033	0.000
105	65	0.033	0.033	0.000
105	66	0.030	0.029	-0.001
	Max	0.043	0.055	0.021
	Average	0.036	0.036	0.001
	Min	0.027	0.028	-0.001
	Std Dev	0.003	0.004	0.003



	4.1 __Forward_Leakage_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	0.23	mA
Min Limit		mA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.036	0.032	0.037	0.035	0.031	0.028	0.036	0.034	0.031	0.029	0.029
Average	0.036	0.035	0.039	0.036	0.035	0.038	0.038	0.036	0.035	0.037	0.034
Max	0.036	0.040	0.040	0.038	0.037	0.055	0.043	0.040	0.037	0.044	0.037
UL	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230



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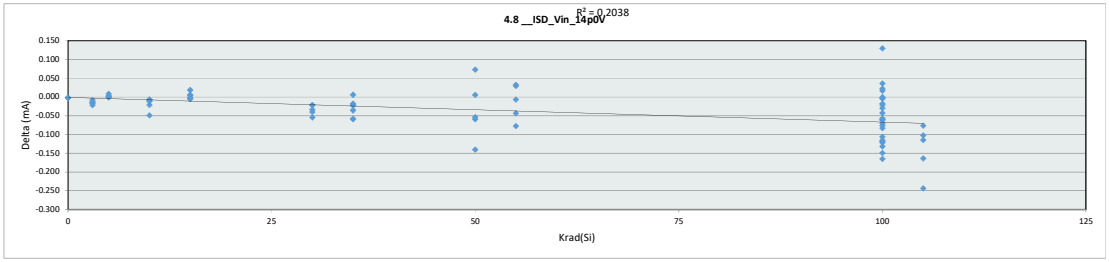
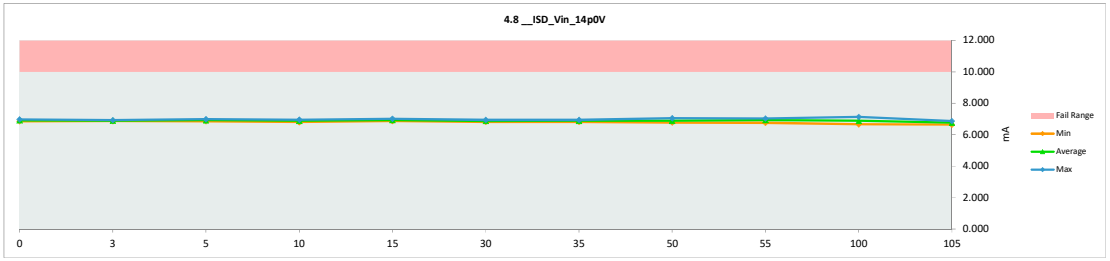
	4.8 __ISD_Vin_14p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	10	10
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	6.856	6.855	-0.001
0	229	6.978	6.976	-0.003
3	107	6.910	6.897	-0.013
3	108	6.901	6.884	-0.017
3	109	6.940	6.932	-0.008
3	110	6.919	6.904	-0.015
3	111	6.882	6.860	-0.022
5	112	6.954	6.953	-0.001
5	113	6.902	6.905	0.003
5	114	6.937	6.936	0.000
5	115	6.852	6.855	0.002
5	116	6.977	6.985	0.008
10	96	6.981	6.960	-0.021
10	97	6.869	6.858	-0.011
10	98	6.854	6.848	-0.007
10	99	6.854	6.805	-0.049
10	100	6.968	6.961	-0.007
15	101	6.997	7.015	0.018
15	102	6.880	6.884	0.004
15	104	6.877	6.872	-0.005
15	105	6.953	6.951	-0.002
15	106	6.917	6.922	0.006
30	83	6.946	6.925	-0.021
30	84	6.963	6.941	-0.022
30	85	6.896	6.863	-0.034
30	86	6.873	6.819	-0.054
30	87	6.908	6.868	-0.040
35	88	6.926	6.908	-0.018
35	92	6.882	6.823	-0.058
35	93	6.876	6.840	-0.036
35	94	6.966	6.944	-0.022
35	95	6.917	6.923	0.006
50	1	6.909	6.856	-0.054
50	2	6.988	6.994	0.006
50	3	6.834	6.774	-0.059
50	5	6.914	6.773	-0.140
50	6	6.971	7.044	0.073
55	7	7.011	7.004	-0.007
55	8	6.957	6.913	-0.044
55	9	6.933	6.963	0.030
55	10	6.993	7.026	0.032
55	11	6.836	6.759	-0.077
100	29	7.005	7.135	0.130
100	30	6.998	6.876	-0.122
100	31	6.906	6.885	-0.021
100	32	6.944	6.860	-0.083
100	34	6.898	6.841	-0.057
100	35	6.814	6.665	-0.149
100	36	6.973	6.858	-0.115
100	38	6.942	6.978	0.036
100	39	6.920	6.878	-0.043
100	41	6.923	6.853	-0.070
100	42	6.975	6.974	0.000
100	43	6.870	6.739	-0.132
100	45	6.972	6.989	0.017
100	46	6.937	6.934	-0.004
100	47	6.935	6.860	-0.076
100	48	6.952	6.934	-0.018
100	49	6.917	6.888	-0.030
100	51	6.973	6.995	0.022
100	54	6.928	6.810	-0.118
100	56	6.990	6.825	-0.165
100	57	6.921	6.860	-0.061
100	58	6.953	6.893	-0.060
100	59	6.983	6.877	-0.106
105	61	6.964	6.862	-0.102
105	62	6.946	6.870	-0.076
105	64	6.910	6.746	-0.164
105	65	6.880	6.637	-0.243
105	66	6.833	6.718	-0.115
	Max	7.011	7.135	0.130
	Average	6.926	6.889	-0.037
	Min	6.814	6.637	-0.243
	Std Dev	0.048	0.086	0.060



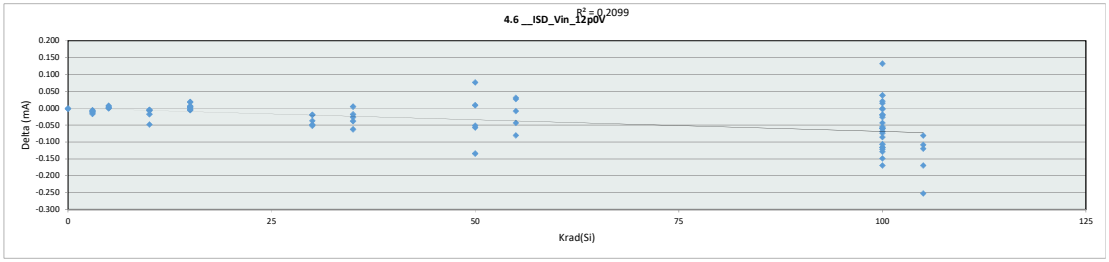
	4.8 __ISD_Vin_14p0V										
Test Site											
Tester											
Test Number											
Max Limit	10	mA									
Min Limit		mA									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	6.855	6.860	6.855	6.805	6.872	6.819	6.823	6.774	6.759	6.665	6.637
Average	6.915	6.895	6.927	6.886	6.929	6.883	6.888	6.888	6.933	6.887	6.766
Max	6.976	6.932	6.985	6.961	7.015	6.941	6.944	7.044	7.026	7.135	6.870
UL	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000



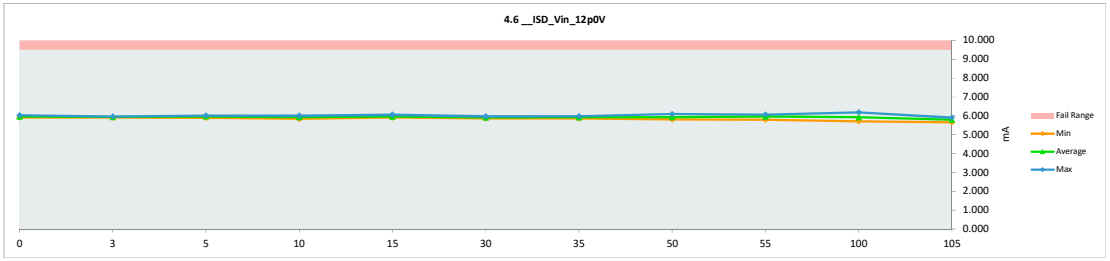
HDR TID Report
TPS7H2211-SP

	4.6 __ISD_Vin_12p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	9.5	9.5
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	5.910	5.910	0.000
0	229	6.027	6.025	-0.002
3	107	5.949	5.941	-0.008
3	108	5.941	5.928	-0.013
3	109	5.971	5.965	-0.006
3	110	5.959	5.949	-0.010
3	111	5.927	5.910	-0.017
5	112	5.993	5.992	-0.001
5	113	5.938	5.942	0.004
5	114	5.972	5.972	0.000
5	115	5.890	5.893	0.003
5	116	6.003	6.011	0.008
10	96	6.023	6.006	-0.018
10	97	5.909	5.902	-0.007
10	98	5.897	5.892	-0.004
10	99	5.897	5.848	-0.048
10	100	6.006	6.001	-0.006
15	101	6.036	6.054	0.018
15	102	5.912	5.916	0.003
15	104	5.917	5.911	-0.006
15	105	6.002	6.000	-0.002
15	106	5.954	5.960	0.006
30	83	5.984	5.964	-0.020
30	84	5.990	5.971	-0.019
30	85	5.923	5.874	-0.049
30	86	5.917	5.865	-0.052
30	87	5.937	5.900	-0.037
35	88	5.966	5.947	-0.018
35	92	5.922	5.859	-0.063
35	93	5.915	5.877	-0.038
35	94	6.005	5.979	-0.026
35	95	5.961	5.965	0.005
50	1	5.952	5.900	-0.052
50	2	6.019	6.028	0.009
50	3	5.878	5.820	-0.057
50	5	5.942	5.808	-0.134
50	6	6.017	6.094	0.077
55	7	6.037	6.029	-0.009
55	8	5.995	5.951	-0.044
55	9	5.972	6.000	0.027
55	10	6.032	6.063	0.031
55	11	5.874	5.794	-0.081
100	29	6.046	6.178	0.132
100	30	6.026	5.904	-0.122
100	31	5.944	5.924	-0.020
100	32	5.971	5.885	-0.086
100	34	5.936	5.881	-0.056
100	35	5.856	5.707	-0.149
100	36	6.009	5.893	-0.115
100	38	5.965	6.003	0.038
100	39	5.957	5.913	-0.044
100	41	5.959	5.891	-0.069
100	42	6.005	6.004	-0.001
100	43	5.907	5.778	-0.129
100	45	6.013	6.028	0.015
100	46	5.977	5.974	-0.003
100	47	5.969	5.895	-0.074
100	48	5.978	5.958	-0.020
100	49	5.957	5.931	-0.027
100	51	6.009	6.030	0.021
100	54	5.957	5.840	-0.117
100	56	6.017	5.847	-0.170
100	57	5.960	5.900	-0.060
100	58	5.995	5.935	-0.060
100	59	6.020	5.913	-0.107
105	61	6.000	5.891	-0.109
105	62	5.982	5.902	-0.081
105	64	5.952	5.782	-0.170
105	65	5.912	5.660	-0.253
105	66	5.877	5.757	-0.120
Max		6.046	6.178	0.132
Average		5.963	5.926	-0.037
Min		5.856	5.660	-0.253
Std Dev		0.046	0.087	0.061



	4.6 __ISD_Vin_12p0V										
Test Site											
Tester											
Test Number											
Max Limit	9.5	mA									
Min Limit		mA									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	5.910	5.910	5.893	5.849	5.911	5.865	5.859	5.808	5.794	5.707	5.660
Average	5.967	5.938	5.962	5.930	5.968	5.915	5.925	5.930	5.967	5.922	5.798
Max	6.025	5.965	6.011	6.006	6.054	5.971	5.979	6.094	6.063	6.178	5.902
UL	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500	9.500



HDR TID Report
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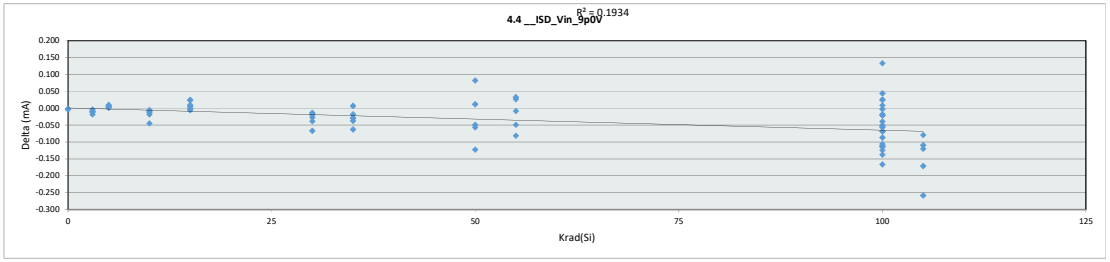
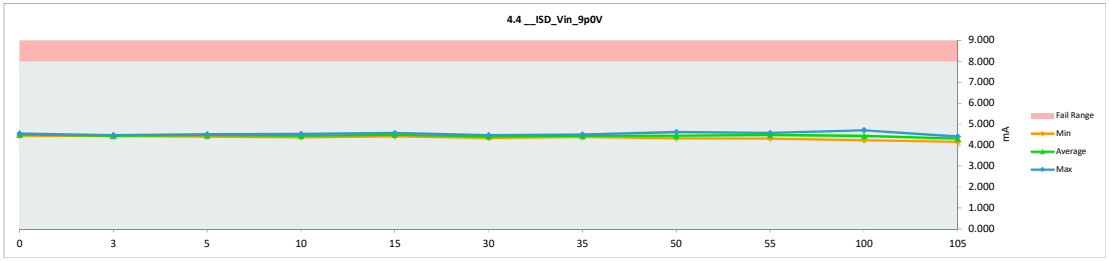
	4.4 __ISD_Vin_9p0V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	8	8
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	4.454	4.453	-0.002
0	229	4.564	4.560	-0.004
3	107	4.470	4.461	-0.009
3	108	4.460	4.450	-0.011
3	109	4.476	4.472	-0.004
3	110	4.476	4.466	-0.011
3	111	4.457	4.439	-0.018
5	112	4.515	4.517	0.002
5	113	4.443	4.450	0.007
5	114	4.490	4.492	0.002
5	115	4.400	4.406	0.006
5	116	4.490	4.499	0.010
10	96	4.549	4.531	-0.018
10	97	4.429	4.419	-0.011
10	98	4.420	4.415	-0.005
10	99	4.419	4.374	-0.045
10	100	4.527	4.516	-0.011
15	101	4.564	4.588	0.024
15	102	4.416	4.422	0.005
15	104	4.438	4.433	-0.006
15	105	4.543	4.542	-0.001
15	106	4.477	4.486	0.009
30	83	4.495	4.481	-0.014
30	84	4.487	4.468	-0.020
30	85	4.417	4.350	-0.067
30	86	4.434	4.395	-0.039
30	87	4.432	4.405	-0.027
35	88	4.483	4.464	-0.019
35	92	4.442	4.379	-0.063
35	93	4.433	4.396	-0.037
35	94	4.514	4.485	-0.029
35	95	4.497	4.503	0.007
50	1	4.472	4.423	-0.049
50	2	4.526	4.538	0.012
50	3	4.397	4.341	-0.057
50	5	4.443	4.320	-0.123
50	6	4.543	4.625	0.082
55	7	4.543	4.535	-0.008
55	8	4.524	4.475	-0.049
55	9	4.486	4.513	0.026
55	10	4.550	4.583	0.033
55	11	4.395	4.314	-0.082
100	29	4.581	4.714	0.133
100	30	4.518	4.404	-0.115
100	31	4.468	4.446	-0.021
100	32	4.465	4.378	-0.087
100	34	4.457	4.406	-0.050
100	35	4.371	4.234	-0.138
100	36	4.535	4.421	-0.114
100	38	4.460	4.505	0.044
100	39	4.475	4.436	-0.039
100	41	4.480	4.412	-0.068
100	42	4.510	4.519	0.009
100	43	4.422	4.298	-0.124
100	45	4.528	4.553	0.024
100	46	4.499	4.497	-0.002
100	47	4.478	4.409	-0.069
100	48	4.472	4.451	-0.021
100	49	4.480	4.462	-0.018
100	51	4.527	4.553	0.026
100	54	4.478	4.366	-0.112
100	56	4.508	4.341	-0.166
100	57	4.485	4.432	-0.053
100	58	4.518	4.461	-0.057
100	59	4.529	4.423	-0.106
105	61	4.516	4.406	-0.110
105	62	4.491	4.412	-0.080
105	64	4.472	4.301	-0.171
105	65	4.413	4.155	-0.259
105	66	4.406	4.285	-0.121
	Max	4.581	4.714	0.133
	Average	4.479	4.444	-0.035
	Min	4.371	4.155	-0.259
	Std Dev	0.047	0.090	0.061



	4.4 __ISD_Vin_9p0V										
Test Site											
Tester											
Test Number											
Max Limit	8	mA									
Min Limit		mA									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	4.453	4.439	4.406	4.375	4.422	4.350	4.379	4.320	4.314	4.234	4.155
Average	4.506	4.457	4.473	4.451	4.494	4.420	4.446	4.449	4.484	4.440	4.312
Max	4.560	4.472	4.518	4.531	4.588	4.481	4.504	4.625	4.583	4.714	4.412
UL	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000



HDR TID Report
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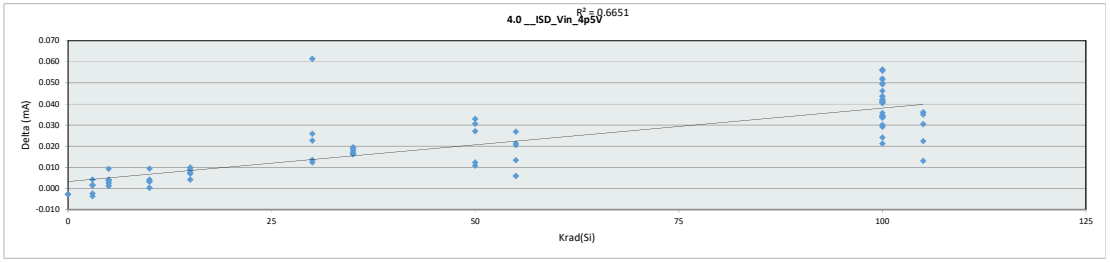
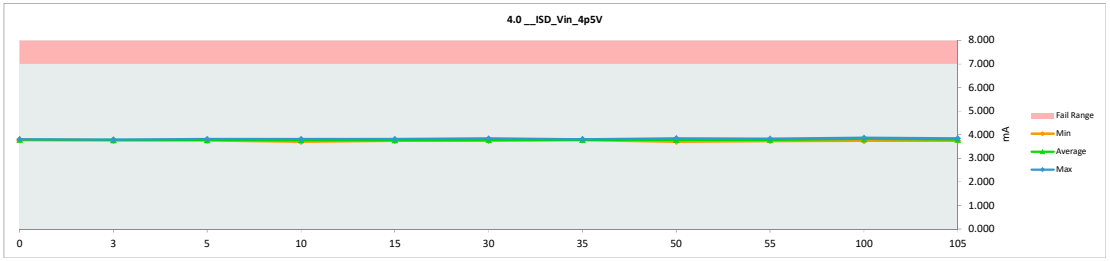
	4.0 __ISD_Vin_4p5V	
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	7	7
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	3.774	3.771	-0.003
0	229	3.813	3.810	-0.003
3	107	3.771	3.776	0.004
3	108	3.769	3.770	0.001
3	109	3.751	3.749	-0.002
3	110	3.786	3.788	0.002
3	111	3.787	3.783	-0.004
5	112	3.770	3.773	0.003
5	113	3.804	3.813	0.009
5	114	3.755	3.759	0.004
5	115	3.757	3.761	0.004
5	116	3.757	3.758	0.001
10	96	3.814	3.817	0.003
10	97	3.771	3.780	0.009
10	98	3.700	3.704	0.004
10	99	3.760	3.760	0.000
10	100	3.783	3.787	0.003
15	101	3.801	3.810	0.009
15	102	3.732	3.742	0.010
15	104	3.743	3.747	0.004
15	105	3.806	3.813	0.007
15	106	3.729	3.737	0.007
30	83	3.759	3.771	0.012
30	84	3.781	3.807	0.026
30	85	3.778	3.839	0.061
30	86	3.730	3.743	0.013
30	87	3.734	3.757	0.023
35	88	3.787	3.806	0.019
35	92	3.752	3.769	0.017
35	93	3.760	3.776	0.016
35	94	3.766	3.783	0.018
35	95	3.767	3.787	0.019
50	1	3.759	3.789	0.031
50	2	3.812	3.839	0.027
50	3	3.690	3.702	0.012
50	5	3.720	3.731	0.011
50	6	3.815	3.848	0.033
55	7	3.788	3.809	0.020
55	8	3.808	3.835	0.027
55	9	3.740	3.754	0.013
55	10	3.756	3.777	0.021
55	11	3.720	3.725	0.006
100	29	3.821	3.871	0.050
100	30	3.791	3.820	0.029
100	31	3.775	3.816	0.041
100	32	3.739	3.769	0.030
100	34	3.727	3.767	0.040
100	35	3.700	3.735	0.035
100	36	3.798	3.822	0.024
100	38	3.715	3.757	0.042
100	39	3.770	3.827	0.056
100	41	3.754	3.806	0.052
100	42	3.775	3.810	0.034
100	43	3.787	3.828	0.041
100	45	3.780	3.822	0.042
100	46	3.810	3.846	0.036
100	47	3.776	3.832	0.056
100	48	3.725	3.759	0.034
100	49	3.779	3.801	0.021
100	51	3.807	3.856	0.049
100	54	3.787	3.829	0.041
100	56	3.809	3.860	0.051
100	57	3.777	3.811	0.033
100	58	3.809	3.855	0.046
100	59	3.809	3.852	0.044
105	61	3.811	3.841	0.031
105	62	3.761	3.783	0.022
105	64	3.777	3.813	0.036
105	65	3.727	3.763	0.035
105	66	3.731	3.744	0.013
	Max	3.821	3.871	0.061
	Average	3.768	3.791	0.022
	Min	3.690	3.702	-0.004
	Std Dev	0.032	0.039	0.017



	4.0 __ISD_Vin_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	7	mA
Min Limit		mA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	3.771	3.749	3.758	3.704	3.737	3.743	3.769	3.702	3.725	3.735	3.744
Average	3.791	3.773	3.773	3.770	3.770	3.784	3.784	3.782	3.780	3.815	3.789
Max	3.810	3.788	3.813	3.817	3.813	3.839	3.806	3.848	3.835	3.871	3.841
UL	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000



HDR TID Report
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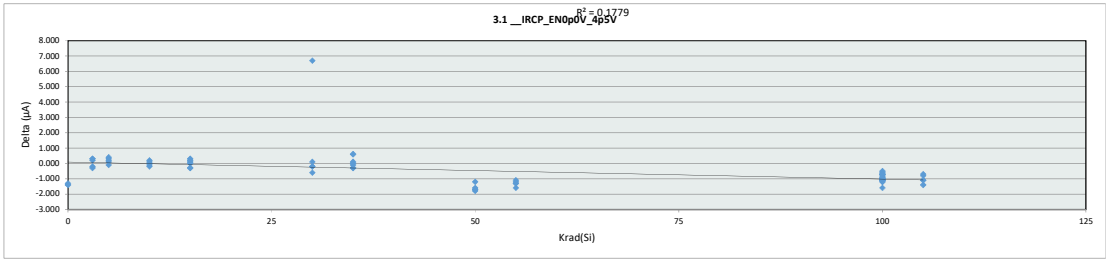
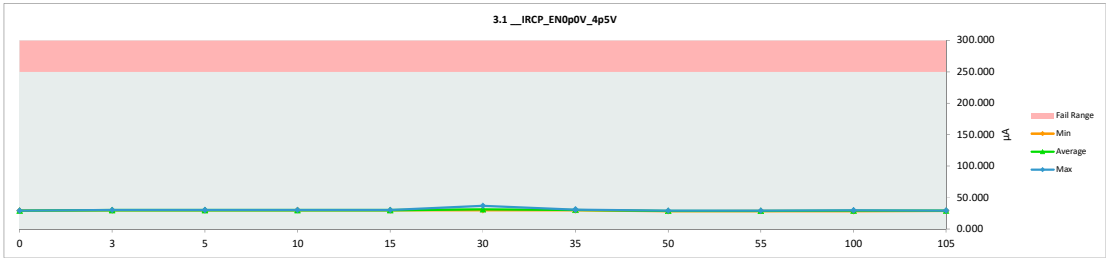
	3.1 __IRCP_EN0p0V_4p5V	
Test Site		
Tester		
Test Number		
Unit	µA	µA
Max Limit	250	250
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	30.400	29.000	-1.400
0	229	30.200	28.900	-1.300
3	107	29.900	30.200	0.300
3	108	30.000	29.700	-0.300
3	109	29.300	29.500	0.200
3	110	30.000	29.800	-0.200
3	111	29.900	30.200	0.300
5	112	29.700	30.000	0.300
5	113	29.600	30.000	0.400
5	114	29.700	29.900	0.200
5	115	29.700	29.800	0.100
5	116	29.800	29.700	-0.100
10	96	30.100	29.900	-0.200
10	97	29.900	30.000	0.100
10	98	29.800	29.800	0.000
10	99	29.700	29.900	0.200
10	100	30.000	29.900	-0.100
15	101	30.000	30.200	0.200
15	102	30.000	29.700	-0.300
15	104	29.800	29.800	0.000
15	105	29.700	30.000	0.300
15	106	29.700	29.800	0.100
30	83	30.300	29.700	-0.600
30	84	30.000	29.800	-0.200
30	85	29.900	36.600	6.700
30	86	29.600	29.700	0.100
30	87	30.100	29.900	-0.200
35	88	30.000	29.700	-0.300
35	92	29.900	29.900	0.000
35	93	30.000	29.900	-0.100
35	94	30.200	30.800	0.600
35	95	30.200	30.300	0.100
50	1	30.400	28.700	-1.700
50	2	30.400	28.700	-1.700
50	3	30.000	28.400	-1.600
50	5	30.000	28.200	-1.800
50	6	30.100	28.900	-1.200
55	7	30.200	28.900	-1.300
55	8	30.300	29.100	-1.200
55	9	29.900	28.600	-1.300
55	10	30.100	29.000	-1.100
55	11	30.000	28.400	-1.600
100	29	30.300	29.300	-1.000
100	30	30.100	29.100	-1.000
100	31	30.200	29.000	-1.200
100	32	29.400	28.900	-0.500
100	34	29.900	28.900	-1.000
100	35	29.800	28.200	-1.600
100	36	30.100	29.300	-0.800
100	38	29.600	28.900	-0.700
100	39	30.000	29.100	-0.900
100	41	29.600	28.900	-0.700
100	42	30.100	29.100	-1.000
100	43	30.100	29.000	-1.100
100	45	30.000	29.000	-1.000
100	46	30.300	29.600	-0.700
100	47	30.100	29.000	-1.100
100	48	30.000	28.900	-1.100
100	49	30.300	29.200	-1.100
100	51	30.100	28.900	-1.200
100	54	30.100	29.400	-0.700
100	56	30.000	29.100	-0.900
100	57	30.100	29.100	-1.000
100	58	29.900	28.900	-1.000
100	59	30.000	29.400	-0.600
105	61	30.100	28.700	-1.400
105	62	30.000	29.200	-0.800
105	64	30.300	29.200	-1.100
105	65	29.800	29.100	-0.700
105	66	30.100	29.000	-1.100
	Max	30.400	36.600	6.700
	Average	29.984	29.461	-0.523
	Min	29.300	28.200	-1.800
	Std Dev	0.230	1.024	1.080



	3.1 __IRCP_EN0p0V_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	250	µA
Min Limit		µA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	28.900	29.500	29.700	29.800	29.700	29.700	29.700	28.200	28.400	28.200	28.700
Average	28.950	29.880	29.880	29.900	29.900	31.140	30.120	28.580	28.800	29.052	29.040
Max	29.000	30.200	30.000	30.000	30.200	36.600	30.800	28.900	29.100	29.600	29.200
UL	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000



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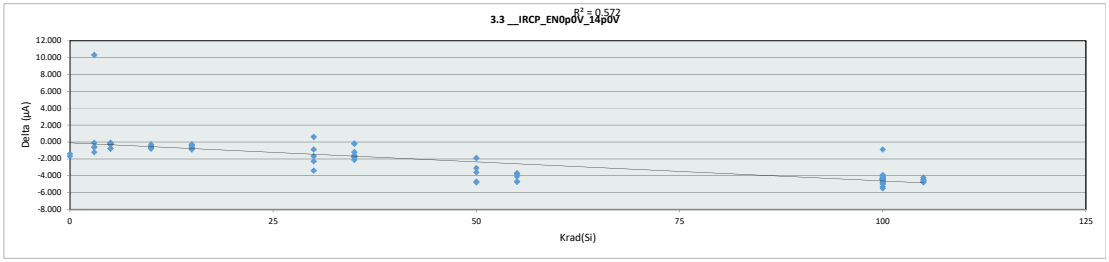
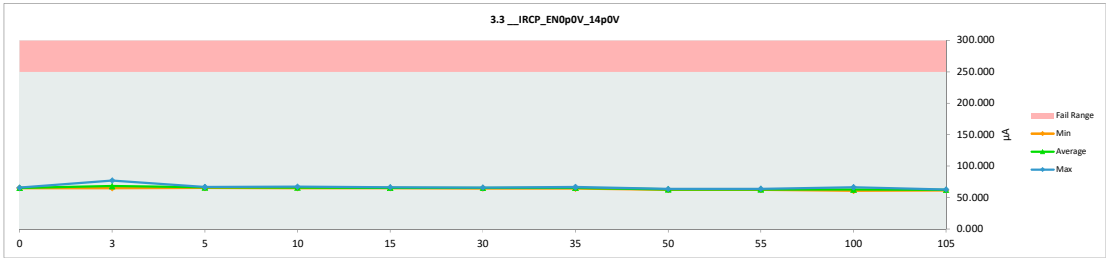
	3.3 __IRCP_EN0p0V_14p0V	
Test Site		
Tester		
Test Number		
Unit	µA	µA
Max Limit	250	250
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	67.300	65.600	-1.700
0	229	66.400	65.000	-1.400
3	107	67.200	67.100	-0.100
3	108	66.200	65.000	-1.200
3	109	65.900	65.300	-0.600
3	110	66.700	77.000	10.300
3	111	66.900	66.300	-0.600
5	112	66.700	66.600	-0.100
5	113	66.700	65.900	-0.800
5	114	67.000	66.800	-0.200
5	115	65.900	65.600	-0.300
5	116	65.600	65.300	-0.300
10	96	66.500	66.200	-0.300
10	97	66.000	65.500	-0.500
10	98	65.400	64.700	-0.700
10	99	66.400	65.700	-0.700
10	100	68.000	67.200	-0.800
15	101	66.700	66.300	-0.400
15	102	65.800	64.900	-0.900
15	104	66.000	65.300	-0.700
15	105	65.900	65.600	-0.300
15	106	65.500	64.900	-0.600
30	83	67.700	64.300	-3.400
30	84	66.600	64.900	-1.700
30	85	66.400	65.500	-0.900
30	86	64.500	65.100	0.600
30	87	68.200	65.900	-2.300
35	88	66.000	64.200	-1.800
35	92	67.200	65.100	-2.100
35	93	67.800	66.200	-1.600
35	94	66.700	66.500	-0.200
35	95	66.600	65.400	-1.200
50	1	67.300	62.600	-4.700
50	2	66.900	63.300	-3.600
50	3	66.900	62.100	-4.800
50	5	65.500	63.600	-1.900
50	6	66.800	63.700	-3.100
55	7	67.200	63.400	-3.800
55	8	67.600	63.900	-3.700
55	9	66.800	62.100	-4.700
55	10	67.800	63.700	-4.100
55	11	66.900	62.200	-4.700
100	29	67.800	63.400	-4.400
100	30	67.300	66.400	-0.900
100	31	66.800	62.000	-4.800
100	32	65.000	60.600	-4.400
100	34	66.400	61.600	-4.800
100	35	65.800	60.800	-5.000
100	36	66.800	62.700	-4.100
100	38	65.900	61.400	-4.500
100	39	68.000	63.100	-4.900
100	41	66.000	61.600	-4.400
100	42	66.300	62.200	-4.100
100	43	68.200	63.900	-4.300
100	45	66.600	62.000	-4.600
100	46	67.700	63.800	-3.900
100	47	66.800	62.400	-4.400
100	48	67.500	62.200	-5.300
100	49	66.900	62.600	-4.300
100	51	66.700	62.500	-4.200
100	54	67.800	63.000	-4.800
100	56	67.500	62.000	-5.500
100	57	66.400	62.100	-4.300
100	58	66.500	62.100	-4.400
100	59	67.000	62.600	-4.400
105	61	67.100	62.600	-4.500
105	62	66.600	61.800	-4.800
105	64	67.300	62.800	-4.500
105	65	66.200	61.500	-4.700
105	66	65.700	61.500	-4.200
	Max	68.200	77.000	10.300
	Average	66.696	64.124	-2.571
	Min	64.500	60.600	-5.500
	Std Dev	0.775	2.360	2.432



	3.3 __IRCP_EN0p0V_14p0V	
Test Site		
Tester		
Test Number		
Max Limit	250	µA
Min Limit		µA

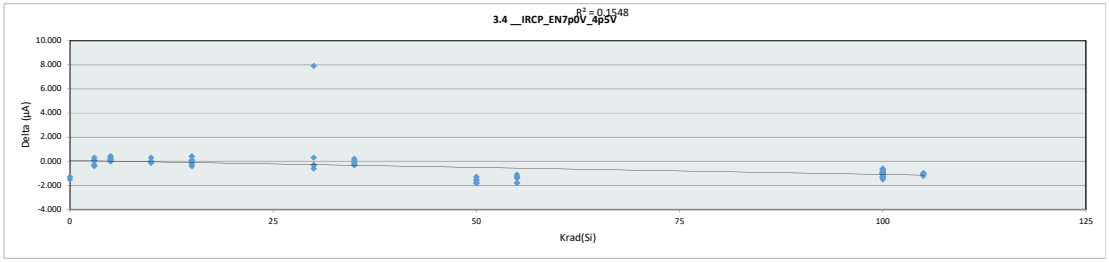
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	65.000	65.000	65.300	64.700	64.900	64.300	64.200	62.100	62.100	60.600	61.500
Average	65.300	68.140	66.040	65.860	65.400	65.140	65.480	63.060	63.060	62.478	62.040
Max	65.600	77.000	66.800	67.200	66.300	65.900	66.500	63.700	63.900	66.400	62.800
UL	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000



HDR TID Report
TPS7H2211-SP

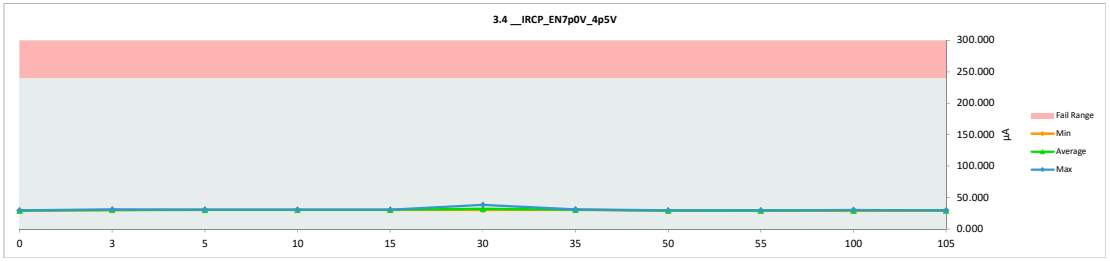
	3.4 __IRCP_EN7p0V_4p5V	
Test Site		
Tester		
Test Number		
Unit	µA	µA
Max Limit	240	240
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	30.900	29.400	-1.500
0	229	30.800	29.500	-1.300
3	107	30.500	30.800	0.300
3	108	30.600	30.200	-0.400
3	109	29.800	29.800	0.000
3	110	30.500	30.200	-0.300
3	111	30.400	30.500	0.100
5	112	30.200	30.400	0.200
5	113	30.200	30.600	0.400
5	114	30.300	30.500	0.200
5	115	30.300	30.300	0.000
5	116	30.200	30.300	0.100
10	96	30.600	30.500	-0.100
10	97	30.300	30.600	0.300
10	98	30.400	30.400	0.000
10	99	30.400	30.300	-0.100
10	100	30.500	30.400	-0.100
15	101	30.600	30.600	0.000
15	102	30.700	30.300	-0.400
15	104	30.400	30.200	-0.200
15	105	30.300	30.700	0.400
15	106	30.300	30.400	0.100
30	83	30.800	30.200	-0.600
30	84	30.700	30.400	-0.300
30	85	30.400	38.300	7.900
30	86	30.100	30.400	0.300
30	87	30.700	30.400	-0.300
35	88	30.600	30.300	-0.300
35	92	30.600	30.300	-0.300
35	93	30.600	30.600	0.000
35	94	30.600	30.800	0.200
35	95	30.800	30.700	-0.100
50	1	31.000	29.400	-1.600
50	2	31.000	29.200	-1.800
50	3	30.700	29.200	-1.500
50	5	30.700	28.900	-1.800
50	6	30.800	29.500	-1.300
55	7	30.900	29.500	-1.400
55	8	30.900	29.600	-1.300
55	9	30.500	29.200	-1.300
55	10	30.700	29.600	-1.100
55	11	30.800	29.000	-1.800
100	29	31.000	29.700	-1.300
100	30	30.700	29.600	-1.100
100	31	30.800	29.500	-1.300
100	32	30.000	29.300	-0.700
100	34	30.500	29.500	-1.000
100	35	30.300	28.800	-1.500
100	36	30.700	29.700	-1.000
100	38	30.200	29.500	-0.700
100	39	30.500	29.500	-1.000
100	41	30.400	29.400	-1.000
100	42	30.700	29.600	-1.100
100	43	30.600	29.700	-0.900
100	45	30.500	29.500	-1.000
100	46	30.800	30.200	-0.600
100	47	30.800	29.700	-1.100
100	48	30.600	29.600	-1.000
100	49	31.000	29.600	-1.400
100	51	30.700	29.400	-1.300
100	54	30.700	29.800	-0.900
100	56	30.600	29.600	-1.000
100	57	30.600	29.800	-0.800
100	58	30.500	29.500	-1.000
100	59	30.700	29.800	-0.900
105	61	30.500	29.500	-1.000
105	62	30.500	29.500	-1.000
105	64	30.700	29.500	-1.200
105	65	30.400	29.300	-1.100
105	66	30.500	29.500	-1.000
	Max	31.000	38.300	7.900
	Average	30.566	30.000	-0.566
	Min	29.800	28.800	-1.800
	Std Dev	0.244	1.130	1.202



	3.4 __IRCP_EN7p0V_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	240	µA
Min Limit		µA

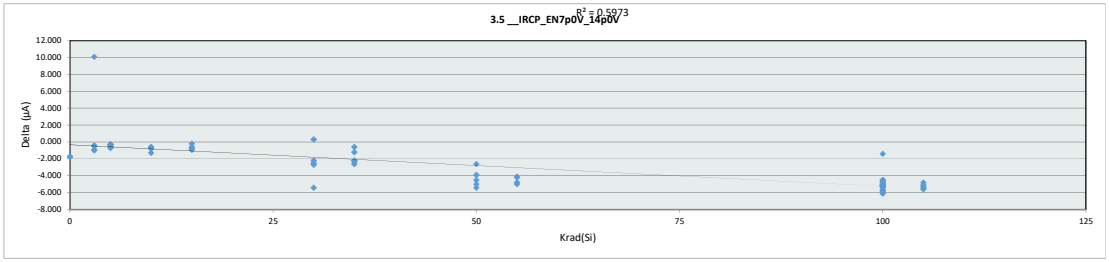
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	29.400	29.800	30.300	30.300	30.200	30.200	30.300	28.900	29.000	28.800	29.300
Average	29.450	30.300	30.420	30.440	30.440	31.940	30.540	29.240	29.380	29.578	29.460
Max	29.500	30.800	30.600	30.600	30.700	38.300	30.800	29.500	29.600	30.200	29.500
UL	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000



HDR TID Report
TPS7H2211-SP

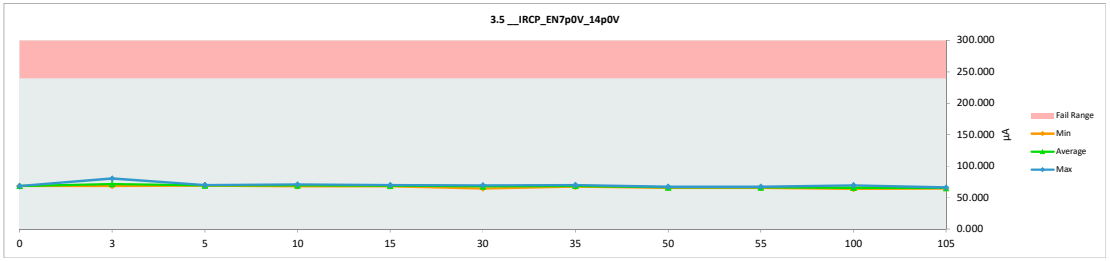
	3.5 __IRCP_EN7p0V_14p0V	
Test Site		
Tester		
Test Number		
Unit	µA	µA
Max Limit	240	240
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	70.200	68.500	-1.700
0	229	70.000	68.200	-1.800
3	107	70.800	70.300	-0.500
3	108	69.500	68.500	-1.000
3	109	69.600	68.700	-0.900
3	110	70.200	80.300	10.100
3	111	70.000	69.600	-0.400
5	112	70.100	69.800	-0.300
5	113	69.800	69.500	-0.300
5	114	70.600	70.000	-0.600
5	115	69.500	68.800	-0.700
5	116	69.000	68.700	-0.300
10	96	70.300	69.700	-0.600
10	97	69.700	68.900	-0.800
10	98	69.100	67.800	-1.300
10	99	69.700	69.000	-0.700
10	100	71.400	70.800	-0.600
15	101	70.500	69.600	-0.900
15	102	69.300	68.400	-0.900
15	104	69.300	68.700	-0.600
15	105	69.400	69.200	-0.200
15	106	68.600	67.900	-0.700
30	83	70.700	68.000	-2.700
30	84	70.400	68.200	-2.200
30	85	69.800	64.400	-5.400
30	86	68.300	68.600	0.300
30	87	71.900	69.400	-2.500
35	88	69.600	67.300	-2.300
35	92	71.200	68.600	-2.600
35	93	71.200	69.000	-2.200
35	94	70.200	69.600	-0.600
35	95	70.200	69.000	-1.200
50	1	71.100	65.700	-5.400
50	2	70.900	66.400	-4.500
50	3	70.500	65.500	-5.000
50	5	69.600	67.000	-2.600
50	6	70.700	66.800	-3.900
55	7	70.700	66.500	-4.200
55	8	71.100	67.000	-4.100
55	9	70.400	65.400	-5.000
55	10	71.800	67.000	-4.800
55	11	70.400	65.600	-4.800
100	29	71.600	66.400	-5.200
100	30	70.800	69.400	-1.400
100	31	70.800	64.900	-5.900
100	32	69.000	63.800	-5.200
100	34	69.900	64.600	-5.300
100	35	69.700	64.000	-5.700
100	36	70.300	65.500	-4.800
100	38	69.500	64.500	-5.000
100	39	71.500	66.400	-5.100
100	41	69.500	64.400	-5.100
100	42	69.700	65.200	-4.500
100	43	72.000	67.200	-4.800
100	45	69.900	65.300	-4.600
100	46	71.400	66.800	-4.600
100	47	70.300	65.300	-5.000
100	48	71.200	65.500	-5.700
100	49	70.800	65.900	-4.900
100	51	70.400	65.300	-5.100
100	54	71.500	65.400	-6.100
100	56	70.700	65.300	-5.400
100	57	69.700	65.200	-4.500
100	58	70.300	65.100	-5.200
100	59	70.700	65.500	-5.200
105	61	71.100	65.800	-5.300
105	62	70.500	64.900	-5.600
105	64	70.800	66.000	-4.800
105	65	69.900	64.400	-5.500
105	66	69.600	64.500	-5.100
	Max	72.000	80.300	10.100
	Average	70.291	67.263	-3.029
	Min	68.300	63.800	-6.100
	Std Dev	0.797	2.467	2.604



	3.5 __IRCP_EN7p0V_14p0V	
Test Site		
Tester		
Test Number		
Max Limit	240	µA
Min Limit		µA

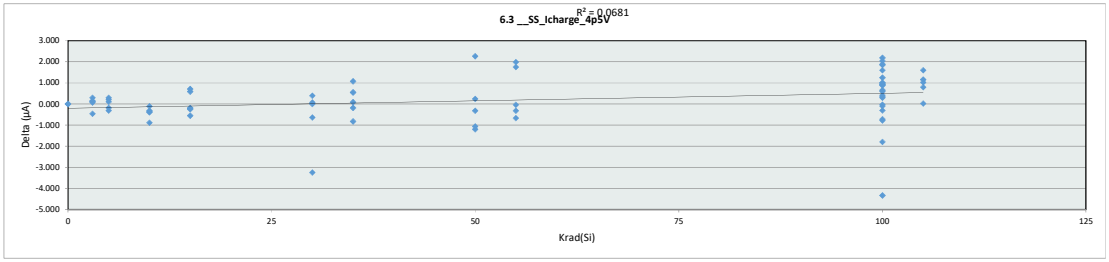
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	68.200	68.500	68.700	67.800	67.900	64.400	67.300	65.500	65.400	63.800	64.400
Average	68.350	71.480	69.360	69.240	68.760	67.720	68.700	66.280	66.300	65.517	65.120
Max	68.500	80.300	70.000	70.800	69.600	69.400	69.600	67.000	67.000	69.400	66.000
UL	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000	240.000



HDR TID Report
TPS7H2211-SP

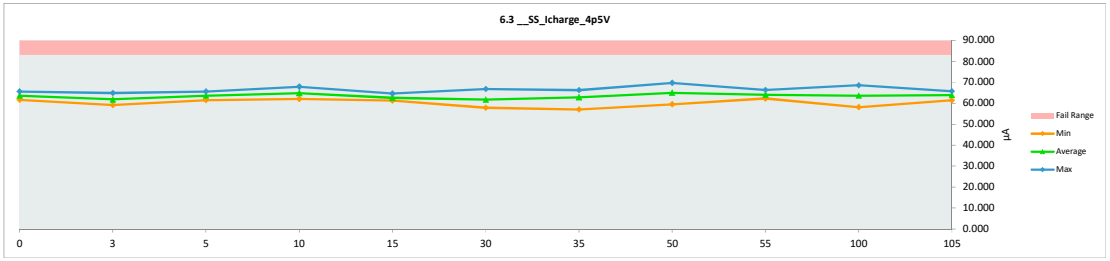
	6.3 __SS_Icharge_4p5V	
Test Site		
Tester		
Test Number		
Unit	µA	µA
Max Limit	83	83
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	61.566	61.573	0.007
0	229	65.604	65.598	-0.006
3	107	61.360	61.497	0.137
3	108	64.839	64.906	0.067
3	109	60.973	61.268	0.295
3	110	62.448	62.581	0.133
3	111	59.602	59.137	-0.465
5	112	62.902	62.719	-0.183
5	113	64.994	65.289	0.295
5	114	62.419	62.625	0.206
5	115	61.810	61.496	-0.314
5	116	65.528	65.632	0.104
10	96	64.494	64.181	-0.313
10	97	66.272	66.158	-0.114
10	98	62.442	62.086	-0.356
10	99	64.699	63.812	-0.887
10	100	68.310	67.921	-0.389
15	101	61.936	61.378	-0.558
15	102	62.057	61.861	-0.196
15	104	63.890	64.601	0.711
15	105	64.124	63.876	-0.248
15	106	60.754	61.338	0.584
30	83	66.372	66.763	0.391
30	84	61.589	61.590	0.001
30	85	61.111	57.863	-3.248
30	86	61.027	60.388	-0.639
30	87	62.224	62.293	0.069
35	88	61.556	62.631	1.075
35	92	56.446	56.996	0.550
35	93	62.876	62.961	0.085
35	94	66.443	66.262	-0.181
35	95	66.127	65.295	-0.832
50	1	64.850	63.646	-1.204
50	2	69.196	69.437	0.241
50	3	63.115	62.795	-0.320
50	5	60.559	59.492	-1.067
50	6	67.495	69.761	2.266
55	7	62.453	64.435	1.982
55	8	64.921	64.598	-0.323
55	9	66.348	66.306	-0.042
55	10	60.547	62.293	1.746
55	11	63.665	62.992	-0.673
100	29	66.634	67.641	1.007
100	30	62.582	62.272	-0.310
100	31	63.751	64.043	0.292
100	32	65.422	63.621	-1.801
100	34	63.611	62.886	-0.725
100	35	60.899	60.866	-0.033
100	36	65.928	65.146	-0.782
100	38	61.303	61.890	0.587
100	39	59.228	60.110	0.882
100	41	63.424	63.763	0.339
100	42	62.853	62.755	-0.098
100	43	65.111	66.057	0.946
100	45	64.861	66.104	1.243
100	46	66.440	68.290	1.850
100	47	61.683	62.678	0.995
100	48	56.259	58.142	1.883
100	49	68.274	63.937	-4.337
100	51	60.098	62.138	2.040
100	54	66.398	68.580	2.182
100	56	60.404	61.328	0.924
100	57	60.568	62.164	1.596
100	58	64.797	65.213	0.416
100	59	62.034	62.686	0.652
105	61	59.822	61.423	1.601
105	62	64.330	64.348	0.018
105	64	63.974	65.129	1.155
105	65	64.706	65.732	1.026
105	66	62.177	62.973	0.796
	Max	69.196	69.761	2.266
	Average	63.279	63.461	0.182
	Min	56.259	56.996	-4.337
	Std Dev	2.602	2.606	1.103



	6.3 __SS_Icharge_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	83	µA
Min Limit		µA

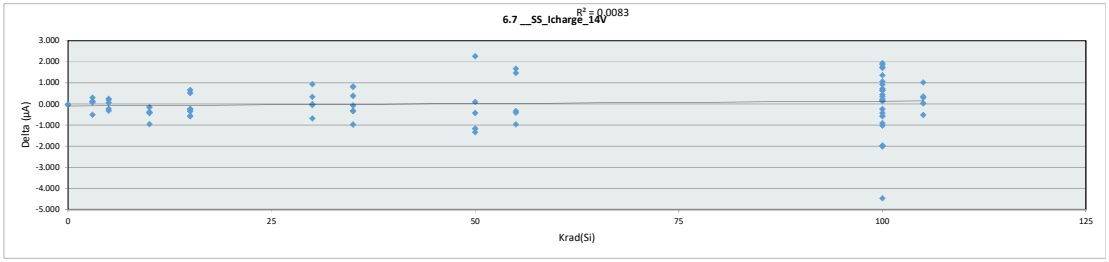
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	61.573	59.137	61.496	62.086	61.338	57.863	56.996	59.492	62.293	58.142	61.423
Average	63.586	61.878	63.552	64.832	62.611	61.779	62.829	65.026	64.125	63.579	63.921
Max	65.598	64.906	65.632	67.921	64.601	66.763	66.262	69.761	66.306	68.580	65.732
UL	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000



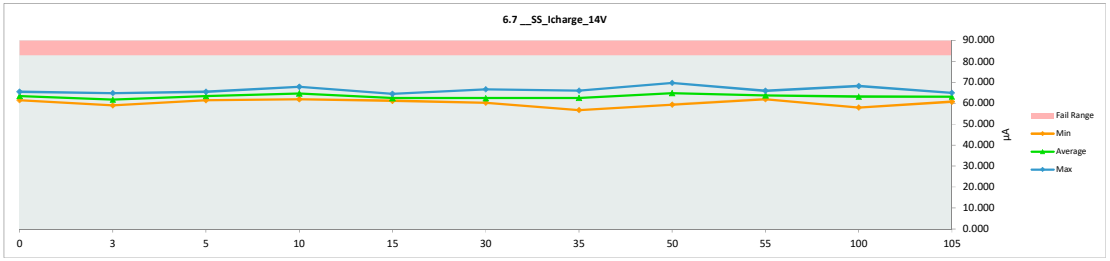
HDR TID Report
TPS7H2211-SP

	6.7 __SS_Icharge_14V	
Test Site		
Tester		
Test Number		
Unit	µA	µA
Max Limit	83	83
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	61.488	61.460	-0.028
0	229	65.544	65.522	-0.022
3	107	61.297	61.407	0.110
3	108	64.744	64.818	0.074
3	109	60.869	61.168	0.299
3	110	62.366	62.495	0.129
3	111	59.504	58.999	-0.505
5	112	62.822	62.595	-0.227
5	113	64.867	65.115	0.248
5	114	62.358	62.555	0.197
5	115	61.713	61.393	-0.320
5	116	65.453	65.512	0.059
10	96	64.421	64.039	-0.382
10	97	66.171	66.023	-0.148
10	98	62.361	61.934	-0.427
10	99	64.572	63.621	-0.951
10	100	68.235	67.842	-0.393
15	101	61.897	61.324	-0.573
15	102	61.967	61.729	-0.238
15	104	63.792	64.454	0.662
15	105	64.064	63.721	-0.343
15	106	60.702	61.226	0.524
30	83	66.328	66.671	0.343
30	84	61.526	61.480	-0.046
30	85	61.012	61.950	0.938
30	86	60.943	60.257	-0.686
30	87	62.137	62.123	-0.014
35	88	61.478	62.303	0.825
35	92	56.359	56.743	0.384
35	93	62.773	62.701	-0.072
35	94	66.358	66.027	-0.331
35	95	66.012	65.041	-0.971
50	1	64.771	63.433	-1.338
50	2	69.090	69.189	0.099
50	3	63.034	62.606	-0.428
50	5	60.455	59.291	-1.164
50	6	67.432	69.694	2.262
55	7	62.376	64.052	1.676
55	8	64.835	64.425	-0.410
55	9	66.286	65.949	-0.337
55	10	60.471	61.940	1.469
55	11	63.549	62.582	-0.967
100	29	66.585	67.509	0.924
100	30	62.499	61.924	-0.575
100	31	63.664	63.800	0.136
100	32	65.346	63.339	-2.007
100	34	63.552	62.649	-0.903
100	35	60.790	60.359	-0.431
100	36	65.834	64.812	-1.022
100	38	61.222	61.667	0.445
100	39	59.159	59.822	0.663
100	41	63.342	63.581	0.239
100	42	62.782	62.540	-0.242
100	43	64.995	63.026	-1.969
100	45	64.776	65.846	1.070
100	46	66.333	68.042	1.709
100	47	61.606	62.330	0.724
100	48	56.198	57.946	1.748
100	49	68.168	63.701	-4.467
100	51	60.036	61.914	1.878
100	54	66.309	68.246	1.937
100	56	60.333	60.967	0.634
100	57	60.492	61.858	1.366
100	58	64.693	64.868	0.175
100	59	61.953	62.313	0.360
105	61	59.747	60.775	1.028
105	62	64.237	63.714	-0.523
105	64	63.881	63.916	0.035
105	65	64.591	64.945	0.354
105	66	62.063	62.365	0.302
Max		69.090	69.694	2.262
Average		63.195	63.231	0.037
Min		56.198	56.743	-4.467
Std Dev		2.599	2.502	1.021



	6.7 __SS_Icharge_14V										
Test Site											
Tester											
Test Number											
Max Limit	83	µA									
Min Limit		µA									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	61.460	58.999	61.393	61.934	61.226	60.257	56.743	59.291	61.940	57.946	60.775
Average	63.491	61.777	63.434	64.692	62.491	62.496	62.563	64.843	63.790	63.176	63.143
Max	65.522	64.818	65.512	67.842	64.454	66.671	66.027	69.694	65.949	68.246	64.945
UL	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000	83.000



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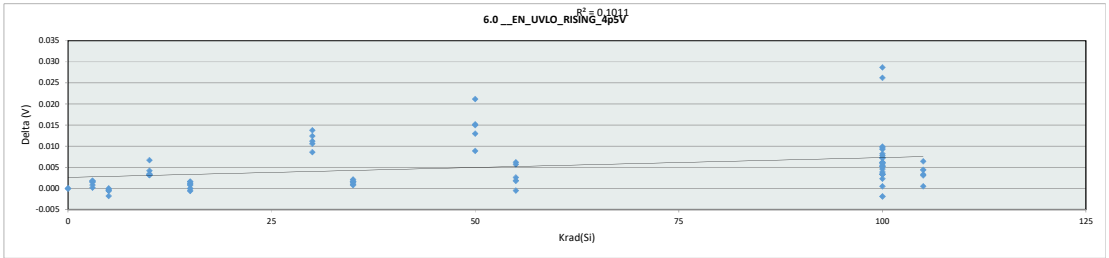
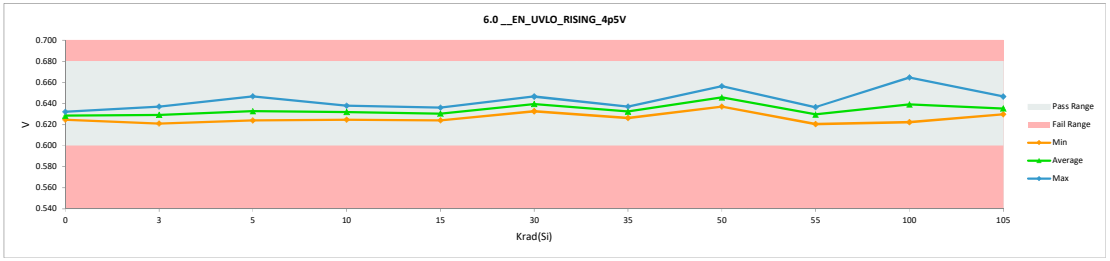
	6.0 __EN_UVLO_RISING_4p5V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.68	0.68
Min Limit	0.6	0.6

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.625	0.625	0.000
0	229	0.632	0.632	0.000
3	107	0.621	0.623	0.002
3	108	0.634	0.636	0.002
3	109	0.636	0.637	0.001
3	110	0.621	0.621	0.000
3	111	0.629	0.630	0.002
5	112	0.634	0.634	0.000
5	113	0.627	0.625	-0.002
5	114	0.624	0.624	0.000
5	115	0.634	0.634	0.000
5	116	0.647	0.647	-0.001
10	96	0.627	0.631	0.003
10	97	0.622	0.625	0.003
10	98	0.634	0.638	0.004
10	99	0.630	0.636	0.007
10	100	0.627	0.630	0.003
15	101	0.625	0.626	0.001
15	102	0.625	0.624	-0.001
15	104	0.634	0.635	0.001
15	105	0.635	0.636	0.002
15	106	0.631	0.631	0.000
30	83	0.626	0.635	0.009
30	84	0.622	0.633	0.011
30	85	0.631	0.641	0.011
30	86	0.633	0.647	0.014
30	87	0.630	0.643	0.012
35	88	0.635	0.635	0.001
35	92	0.636	0.637	0.001
35	93	0.634	0.636	0.002
35	94	0.626	0.627	0.002
35	95	0.624	0.626	0.002
50	1	0.624	0.637	0.013
50	2	0.630	0.645	0.015
50	3	0.635	0.650	0.015
50	5	0.635	0.656	0.021
50	6	0.632	0.641	0.009
55	7	0.632	0.634	0.002
55	8	0.631	0.637	0.006
55	9	0.618	0.621	0.003
55	10	0.621	0.621	0.000
55	11	0.630	0.637	0.006
100	29	0.619	0.622	0.003
100	30	0.638	0.648	0.010
100	31	0.631	0.640	0.009
100	32	0.634	0.644	0.010
100	34	0.623	0.632	0.008
100	35	0.634	0.663	0.029
100	36	0.635	0.641	0.006
100	38	0.625	0.631	0.005
100	39	0.638	0.645	0.007
100	41	0.628	0.636	0.008
100	42	0.631	0.636	0.005
100	43	0.639	0.665	0.026
100	45	0.627	0.631	0.004
100	46	0.641	0.647	0.006
100	47	0.631	0.633	0.002
100	48	0.635	0.633	-0.002
100	49	0.627	0.631	0.003
100	51	0.627	0.632	0.005
100	54	0.635	0.641	0.006
100	56	0.632	0.638	0.006
100	57	0.631	0.634	0.003
100	58	0.634	0.635	0.001
100	59	0.638	0.645	0.007
105	61	0.630	0.633	0.003
105	62	0.630	0.633	0.003
105	64	0.642	0.647	0.004
105	65	0.629	0.630	0.001
105	66	0.628	0.634	0.006
	Max	0.647	0.665	0.029
	Average	0.630	0.636	0.005
	Min	0.618	0.621	-0.002
	Std Dev	0.006	0.009	0.006



	6.0 __EN_UVLO_RISING_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	0.68	V
Min Limit	0.6	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Min	0.625	0.621	0.624	0.625	0.624	0.633	0.626	0.637	0.621	0.622	0.630
Average	0.628	0.629	0.633	0.632	0.630	0.640	0.632	0.646	0.630	0.639	0.635
Max	0.632	0.637	0.647	0.638	0.636	0.647	0.637	0.657	0.637	0.665	0.647
UL	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680



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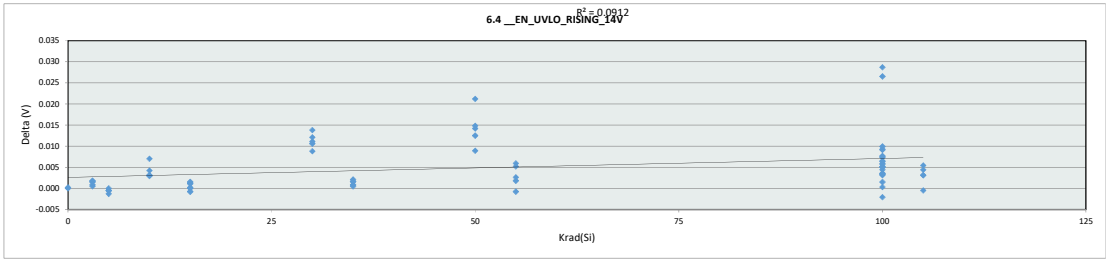
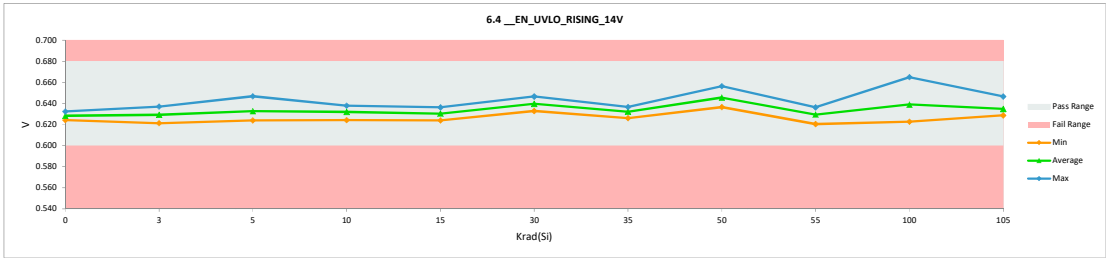
	6.4 __EN_UVLO_RISING_14V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.68	0.68
Min Limit	0.6	0.6

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.624	0.624	0.000
0	229	0.632	0.632	0.000
3	107	0.621	0.623	0.002
3	108	0.634	0.635	0.002
3	109	0.636	0.637	0.001
3	110	0.621	0.621	0.000
3	111	0.628	0.630	0.002
5	112	0.634	0.634	0.000
5	113	0.627	0.625	-0.001
5	114	0.624	0.624	-0.001
5	115	0.634	0.634	0.000
5	116	0.647	0.647	-0.001
10	96	0.628	0.631	0.003
10	97	0.622	0.624	0.003
10	98	0.634	0.638	0.004
10	99	0.629	0.636	0.007
10	100	0.627	0.631	0.003
15	101	0.626	0.626	0.000
15	102	0.625	0.624	-0.001
15	104	0.634	0.635	0.001
15	105	0.635	0.636	0.002
15	106	0.631	0.631	0.000
30	83	0.627	0.635	0.009
30	84	0.622	0.633	0.011
30	85	0.631	0.641	0.011
30	86	0.633	0.647	0.014
30	87	0.630	0.642	0.012
35	88	0.635	0.635	0.001
35	92	0.636	0.637	0.001
35	93	0.634	0.636	0.002
35	94	0.626	0.627	0.002
35	95	0.624	0.626	0.002
50	1	0.624	0.637	0.012
50	2	0.631	0.645	0.015
50	3	0.635	0.650	0.014
50	5	0.635	0.656	0.021
50	6	0.632	0.641	0.009
55	7	0.632	0.634	0.002
55	8	0.631	0.636	0.005
55	9	0.618	0.621	0.003
55	10	0.621	0.621	-0.001
55	11	0.630	0.636	0.006
100	29	0.619	0.623	0.004
100	30	0.638	0.648	0.010
100	31	0.631	0.640	0.009
100	32	0.634	0.643	0.009
100	34	0.624	0.632	0.008
100	35	0.634	0.663	0.029
100	36	0.635	0.641	0.006
100	38	0.625	0.631	0.005
100	39	0.638	0.645	0.007
100	41	0.628	0.636	0.007
100	42	0.631	0.635	0.004
100	43	0.639	0.665	0.026
100	45	0.627	0.631	0.003
100	46	0.641	0.647	0.007
100	47	0.631	0.632	0.001
100	48	0.635	0.633	-0.002
100	49	0.627	0.631	0.003
100	51	0.627	0.632	0.005
100	54	0.635	0.640	0.006
100	56	0.632	0.637	0.005
100	57	0.631	0.634	0.003
100	58	0.634	0.635	0.000
100	59	0.638	0.644	0.006
105	61	0.630	0.633	0.003
105	62	0.630	0.633	0.003
105	64	0.642	0.647	0.004
105	65	0.629	0.629	-0.001
105	66	0.628	0.633	0.005
Max		0.647	0.665	0.029
Average		0.630	0.636	0.005
Min		0.618	0.621	-0.002
Std Dev		0.006	0.009	0.006



	6.4 __EN_UVLO_RISING_14V	
Test Site		
Tester		
Test Number		
Max Limit	0.68	V
Min Limit	0.6	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Min	0.624	0.621	0.624	0.624	0.624	0.633	0.626	0.637	0.621	0.623	0.629
Average	0.628	0.629	0.633	0.632	0.630	0.640	0.632	0.646	0.630	0.639	0.635
Max	0.632	0.637	0.647	0.638	0.636	0.647	0.637	0.657	0.636	0.665	0.647
UL	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680	0.680



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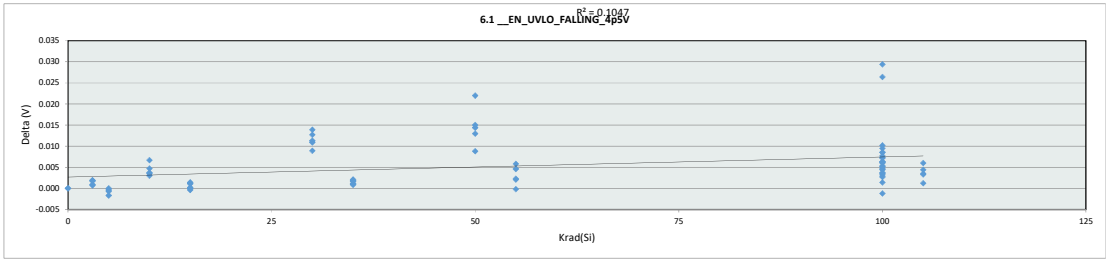
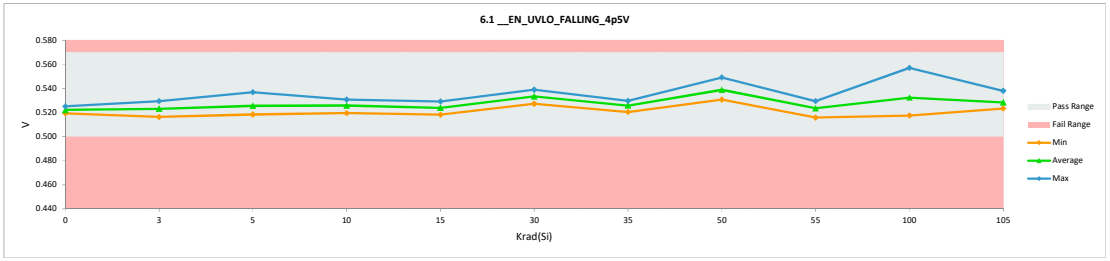
	6.1 __EN_UVLO_FALLING_4p5V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.57	0.57
Min Limit	0.5	0.5

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.519	0.519	0.000
0	229	0.525	0.525	0.000
3	107	0.516	0.518	0.002
3	108	0.526	0.528	0.002
3	109	0.529	0.530	0.001
3	110	0.516	0.516	0.001
3	111	0.522	0.524	0.002
5	112	0.526	0.526	0.000
5	113	0.521	0.520	-0.002
5	114	0.519	0.518	0.000
5	115	0.528	0.527	-0.001
5	116	0.537	0.537	-0.001
10	96	0.521	0.525	0.004
10	97	0.516	0.520	0.003
10	98	0.526	0.531	0.005
10	99	0.523	0.530	0.007
10	100	0.521	0.524	0.003
15	101	0.519	0.520	0.000
15	102	0.519	0.518	0.000
15	104	0.527	0.528	0.001
15	105	0.528	0.529	0.001
15	106	0.525	0.525	0.000
30	83	0.520	0.529	0.009
30	84	0.516	0.527	0.011
30	85	0.524	0.535	0.011
30	86	0.525	0.539	0.014
30	87	0.523	0.536	0.013
35	88	0.527	0.528	0.001
35	92	0.529	0.530	0.001
35	93	0.527	0.529	0.002
35	94	0.520	0.521	0.002
35	95	0.518	0.521	0.002
50	1	0.518	0.531	0.013
50	2	0.524	0.538	0.014
50	3	0.528	0.543	0.015
50	5	0.527	0.549	0.022
50	6	0.525	0.534	0.009
55	7	0.525	0.527	0.002
55	8	0.525	0.530	0.005
55	9	0.513	0.516	0.002
55	10	0.516	0.516	0.000
55	11	0.524	0.530	0.006
100	29	0.514	0.517	0.003
100	30	0.530	0.541	0.010
100	31	0.524	0.533	0.009
100	32	0.527	0.536	0.009
100	34	0.518	0.526	0.009
100	35	0.526	0.556	0.029
100	36	0.527	0.534	0.006
100	38	0.520	0.525	0.005
100	39	0.530	0.537	0.008
100	41	0.522	0.529	0.007
100	42	0.524	0.529	0.005
100	43	0.531	0.557	0.026
100	45	0.521	0.524	0.004
100	46	0.533	0.539	0.006
100	47	0.524	0.527	0.003
100	48	0.527	0.526	-0.001
100	49	0.521	0.525	0.004
100	51	0.521	0.526	0.005
100	54	0.527	0.534	0.006
100	56	0.525	0.531	0.006
100	57	0.524	0.527	0.003
100	58	0.527	0.528	0.001
100	59	0.530	0.537	0.007
105	61	0.523	0.526	0.003
105	62	0.523	0.526	0.003
105	64	0.534	0.538	0.004
105	65	0.522	0.523	0.001
105	66	0.522	0.528	0.006
	Max	0.537	0.557	0.029
	Average	0.524	0.529	0.005
	Min	0.513	0.516	-0.002
	Std Dev	0.005	0.008	0.006



	6.1 __EN_UVLO_FALLING_4p5	
Test Site		
Tester		
Test Number		
Max Limit	0.57	V
Min Limit	0.5	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.519	0.516	0.518	0.520	0.518	0.527	0.521	0.531	0.516	0.518	0.523
Average	0.522	0.523	0.526	0.526	0.524	0.533	0.526	0.539	0.524	0.532	0.528
Max	0.525	0.530	0.537	0.531	0.529	0.539	0.530	0.549	0.530	0.557	0.538
UL	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570



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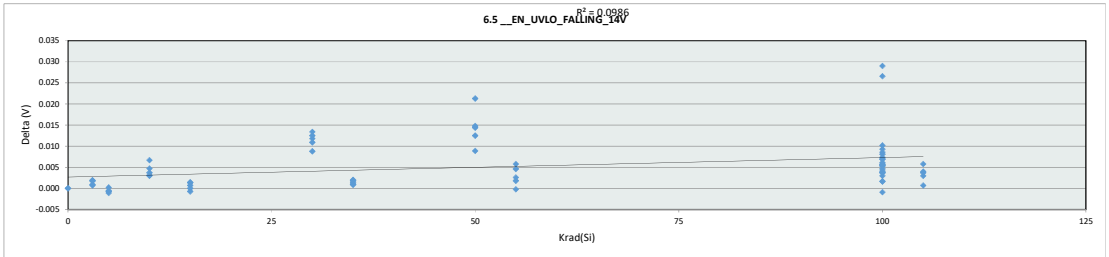
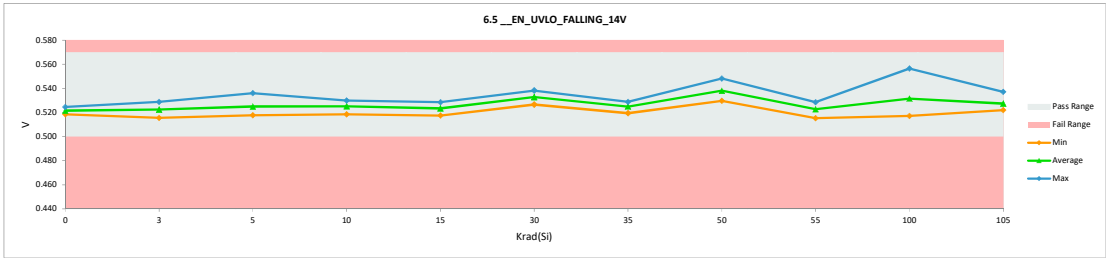
	6.5 __EN_UVLO_FALLING_14V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	0.57	0.57
Min Limit	0.5	0.5

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.519	0.519	0.000
0	229	0.525	0.525	0.000
3	107	0.516	0.517	0.002
3	108	0.525	0.527	0.002
3	109	0.528	0.529	0.001
3	110	0.515	0.516	0.001
3	111	0.521	0.523	0.002
5	112	0.526	0.526	0.000
5	113	0.520	0.519	-0.001
5	114	0.518	0.518	0.000
5	115	0.527	0.526	-0.001
5	116	0.537	0.536	-0.001
10	96	0.521	0.524	0.004
10	97	0.516	0.519	0.003
10	98	0.525	0.530	0.005
10	99	0.523	0.530	0.007
10	100	0.520	0.523	0.003
15	101	0.519	0.519	0.001
15	102	0.518	0.517	-0.001
15	104	0.526	0.528	0.001
15	105	0.527	0.529	0.001
15	106	0.524	0.524	0.000
30	83	0.520	0.529	0.009
30	84	0.516	0.527	0.011
30	85	0.523	0.535	0.012
30	86	0.525	0.538	0.013
30	87	0.523	0.535	0.012
35	88	0.527	0.528	0.001
35	92	0.528	0.529	0.001
35	93	0.526	0.528	0.002
35	94	0.519	0.521	0.001
35	95	0.517	0.520	0.002
50	1	0.517	0.530	0.012
50	2	0.523	0.537	0.014
50	3	0.527	0.542	0.015
50	5	0.527	0.548	0.021
50	6	0.525	0.534	0.009
55	7	0.524	0.526	0.002
55	8	0.524	0.529	0.005
55	9	0.513	0.515	0.003
55	10	0.516	0.516	0.000
55	11	0.523	0.529	0.006
100	29	0.513	0.517	0.004
100	30	0.530	0.540	0.010
100	31	0.524	0.532	0.008
100	32	0.526	0.535	0.009
100	34	0.517	0.526	0.009
100	35	0.526	0.555	0.029
100	36	0.527	0.533	0.006
100	38	0.519	0.525	0.006
100	39	0.530	0.536	0.007
100	41	0.521	0.529	0.007
100	42	0.523	0.528	0.005
100	43	0.530	0.557	0.027
100	45	0.520	0.524	0.004
100	46	0.532	0.538	0.006
100	47	0.524	0.525	0.002
100	48	0.527	0.526	-0.001
100	49	0.521	0.525	0.004
100	51	0.521	0.526	0.005
100	54	0.527	0.532	0.006
100	56	0.524	0.530	0.005
100	57	0.523	0.526	0.003
100	58	0.526	0.528	0.002
100	59	0.529	0.536	0.007
105	61	0.522	0.525	0.003
105	62	0.522	0.526	0.004
105	64	0.533	0.537	0.004
105	65	0.521	0.522	0.001
105	66	0.521	0.527	0.006
	Max	0.537	0.557	0.029
	Average	0.523	0.528	0.005
	Min	0.513	0.515	-0.001
	Std Dev	0.005	0.008	0.006



	6.5 __EN_UVLO_FALLING_14V	
Test Site		
Tester		
Test Number		
Max Limit	0.57	V
Min Limit	0.5	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Min	0.519	0.516	0.518	0.519	0.518	0.527	0.520	0.530	0.515	0.517	0.522
Average	0.522	0.522	0.525	0.525	0.523	0.533	0.525	0.538	0.523	0.532	0.527
Max	0.525	0.529	0.536	0.530	0.529	0.538	0.529	0.548	0.529	0.557	0.537
UL	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570	0.570



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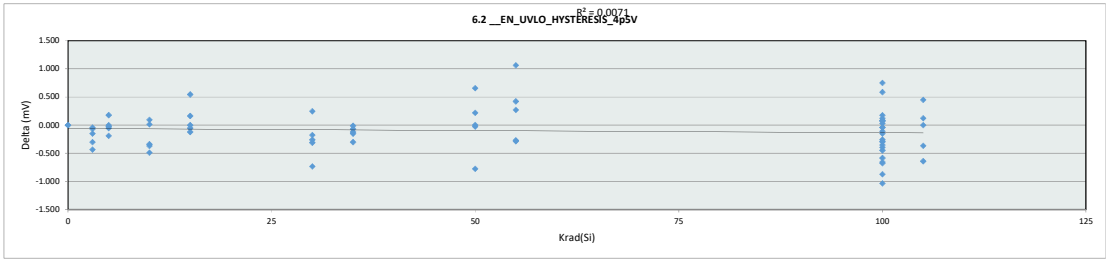
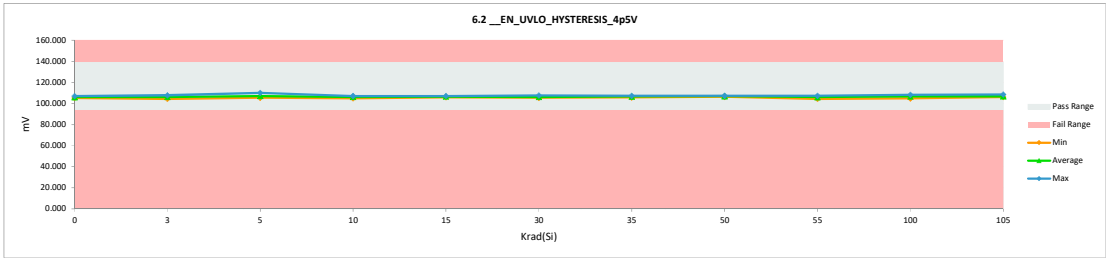
	6.2 __EN_UVLO_HYSTERESIS_4p5V	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	139	139
Min Limit	94	94

Krad(Si)	Serial #	PRE	POST	Delta
0	227	105.338	105.338	0.000
0	229	107.056	107.056	0.000
3	107	104.465	104.424	-0.041
3	108	107.943	107.875	-0.068
3	109	107.725	107.576	-0.149
3	110	105.160	104.724	-0.436
3	111	106.702	106.401	-0.301
5	112	107.711	107.711	0.000
5	113	106.074	105.883	-0.191
5	114	105.514	105.487	-0.027
5	115	106.579	106.757	0.178
5	116	110.059	110.004	-0.055
10	96	106.333	105.993	-0.340
10	97	105.010	105.106	0.096
10	98	107.684	107.194	-0.490
10	99	106.320	106.334	0.014
10	100	106.770	106.401	-0.369
15	101	105.597	106.142	0.545
15	102	106.033	105.978	-0.055
15	104	107.275	107.153	-0.122
15	105	106.838	107.002	0.164
15	106	106.225	106.225	0.000
30	83	105.706	105.447	-0.259
30	84	105.242	105.489	0.247
30	85	106.660	105.926	-0.734
30	86	107.834	107.658	-0.176
30	87	107.097	106.786	-0.311
35	88	107.302	107.153	-0.149
35	92	107.466	107.344	-0.122
35	93	107.275	106.975	-0.300
35	94	106.401	106.333	-0.068
35	95	105.746	105.733	-0.013
50	1	106.442	106.417	-0.025
50	2	106.633	107.290	0.657
50	3	107.098	107.318	0.220
50	5	108.080	107.305	-0.775
50	6	106.770	106.771	0.001
55	7	107.520	107.248	-0.272
55	8	105.993	107.057	1.064
55	9	104.396	104.668	0.272
55	10	104.751	104.465	-0.286
55	11	106.633	107.057	0.424
100	29	104.969	104.860	-0.109
100	30	107.684	107.331	-0.353
100	31	106.920	107.671	0.751
100	32	107.507	107.590	0.083
100	34	105.665	105.379	-0.286
100	35	107.711	107.033	-0.678
100	36	107.562	107.522	-0.040
100	38	105.419	105.270	-0.149
100	39	108.380	107.986	-0.394
100	41	106.156	106.743	0.587
100	42	106.920	106.948	0.028
100	43	107.971	107.715	-0.256
100	45	106.252	106.429	0.177
100	46	108.476	108.177	-0.299
100	47	106.660	106.212	-0.448
100	48	107.562	106.907	-0.655
100	49	106.565	105.530	-1.035
100	51	106.074	106.156	0.082
100	54	107.302	107.262	-0.040
100	56	107.547	106.962	-0.585
100	57	106.920	107.043	0.123
100	58	107.248	106.375	-0.873
100	59	108.121	108.190	0.069
105	61	106.552	106.675	0.123
105	62	107.043	106.675	-0.368
105	64	108.585	108.585	0.000
105	65	107.220	106.579	-0.641
105	66	105.665	106.116	0.451
	Max	110.059	110.004	1.064
	Average	106.744	106.645	-0.100
	Min	104.396	104.424	-1.035
	Std Dev	1.066	1.029	0.374



	6.2 __EN_UVLO_HYSTERESIS_	
Test Site		
Tester		
Test Number		
Max Limit	139	mV
Min Limit	94	mV

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000
Min	105.338	104.424	105.487	105.106	105.978	105.447	105.733	106.417	104.465	104.860	106.116
Average	106.197	106.200	107.168	106.206	106.500	106.261	106.708	107.020	106.099	106.839	106.926
Max	107.056	107.875	110.004	107.194	107.153	107.658	107.344	107.318	107.248	108.190	108.585
UL	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000



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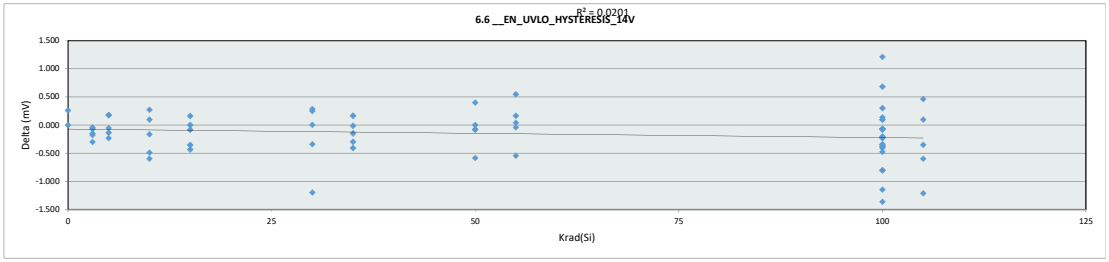
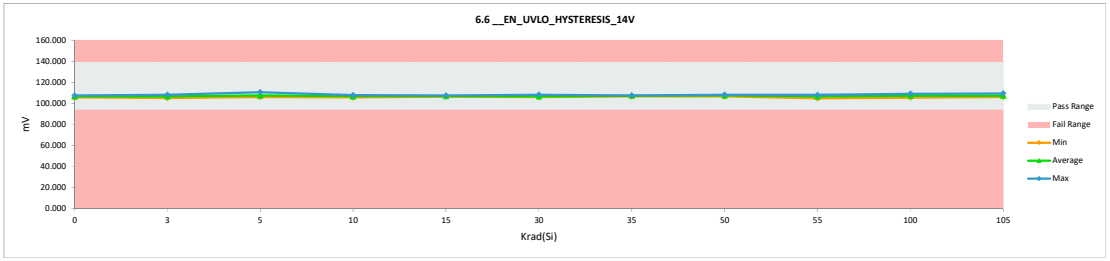
	6.6 __EN_UVLO_HYSTERESIS_14V	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	139	139
Min Limit	94	94

Krad(Si)	Serial #	PRE	POST	Delta
0	227	105.773	105.773	0.000
0	229	107.520	107.779	0.259
3	107	105.419	105.379	-0.040
3	108	108.380	108.312	-0.068
3	109	108.420	108.271	-0.149
3	110	105.856	105.678	-0.178
3	111	106.879	106.579	-0.300
5	112	108.434	108.202	-0.232
5	113	106.484	106.347	-0.137
5	114	106.237	106.183	-0.054
5	115	107.275	107.452	0.177
5	116	110.522	110.700	0.178
10	96	107.288	106.689	-0.599
10	97	105.937	105.773	-0.164
10	98	108.380	107.889	-0.491
10	99	106.525	106.798	0.273
10	100	107.261	107.356	0.095
15	101	107.069	106.633	-0.436
15	102	106.497	106.415	-0.082
15	104	107.970	107.616	-0.354
15	105	107.562	107.725	0.163
15	106	106.920	106.920	0.000
30	83	106.455	106.457	0.002
30	84	105.964	106.212	0.248
30	85	107.356	106.158	-1.198
30	86	108.066	108.353	0.287
30	87	107.561	107.221	-0.340
35	88	107.766	107.616	-0.150
35	92	108.161	107.752	-0.409
35	93	107.970	107.671	-0.299
35	94	106.865	107.029	0.164
35	95	106.674	106.660	-0.014
50	1	106.905	106.825	-0.080
50	2	107.588	107.986	0.398
50	3	108.312	107.727	-0.585
50	5	108.312	108.232	-0.080
50	6	107.002	107.003	0.001
55	7	108.215	108.175	-0.040
55	8	106.920	107.466	0.546
55	9	105.350	105.392	0.042
55	10	105.446	104.900	-0.546
55	11	107.561	107.725	0.164
100	29	105.692	105.610	-0.082
100	30	108.380	108.027	-0.353
100	31	107.152	108.366	1.214
100	32	107.943	107.740	-0.203
100	34	106.646	105.843	-0.803
100	35	108.175	107.960	-0.215
100	36	108.026	107.957	-0.069
100	38	106.115	105.733	-0.382
100	39	108.612	108.913	0.301
100	41	107.110	107.207	0.097
100	42	107.616	107.384	-0.232
100	43	108.666	108.438	-0.228
100	45	107.233	106.892	-0.341
100	46	108.681	109.363	0.682
100	47	107.152	107.084	-0.068
100	48	108.544	107.398	-1.146
100	49	107.029	106.225	-0.804
100	51	106.770	106.361	-0.409
100	54	107.766	107.903	0.137
100	56	107.984	107.603	-0.381
100	57	107.616	107.711	0.095
100	58	108.202	106.838	-1.364
100	59	108.816	108.340	-0.476
105	61	107.247	107.344	0.097
105	62	107.738	107.139	-0.599
105	64	109.049	109.513	0.464
105	65	107.916	106.702	-1.214
105	66	106.592	106.239	-0.353
Max		110.522	110.700	1.214
Average		107.393	107.241	-0.152
Min		105.350	104.900	-1.364
Std Dev		0.987	1.056	0.430



	6.6 __EN_UVLO_HYSTERESIS_	
Test Site		
Tester		
Test Number		
Max Limit	139	mV
Min Limit	94	mV

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000	94.000
Min	105.773	105.379	106.183	105.773	106.415	106.158	106.660	106.825	104.900	105.610	106.239
Average	106.776	106.844	107.777	106.901	107.062	106.880	107.346	107.555	106.732	107.430	107.387
Max	107.779	108.312	110.700	107.889	107.725	108.353	107.752	108.232	108.175	109.363	109.513
UL	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000	139.000



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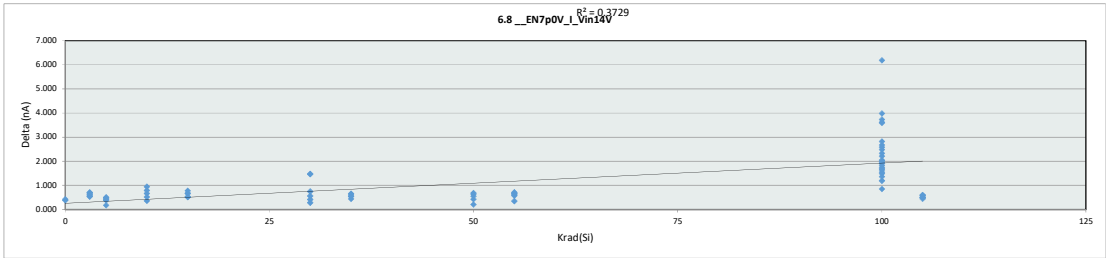
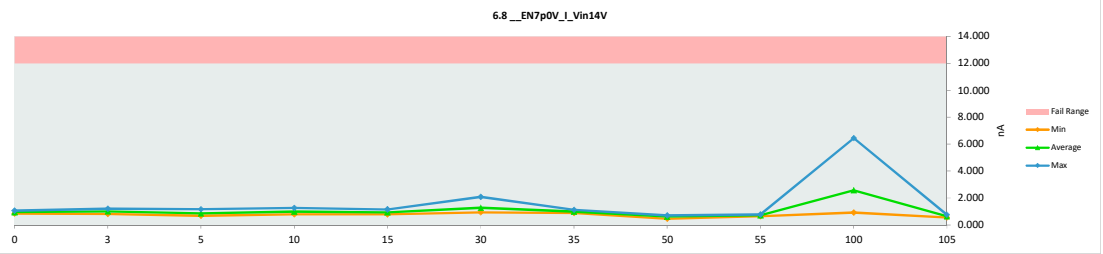
	6.8 __EN7p0V_I_Vin14V	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	12	12
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.630	1.057	0.427
0	229	0.455	0.837	0.382
3	107	0.467	1.173	0.706
3	108	0.241	0.922	0.681
3	109	0.282	0.915	0.633
3	110	0.646	1.208	0.562
3	111	0.274	0.809	0.535
5	112	0.304	0.684	0.380
5	113	0.350	0.851	0.501
5	114	0.739	1.165	0.426
5	115	0.374	0.846	0.472
5	116	0.547	0.719	0.172
10	96	0.437	0.792	0.355
10	97	0.374	0.892	0.518
10	98	0.374	1.165	0.791
10	99	0.310	1.257	0.947
10	100	0.196	0.859	0.663
15	101	0.348	1.027	0.679
15	102	0.378	1.154	0.776
15	104	0.192	0.847	0.655
15	105	0.360	0.888	0.528
15	106	0.276	0.788	0.512
30	83	0.816	1.096	0.280
30	84	0.612	2.081	1.469
30	85	0.766	1.181	0.415
30	86	0.338	1.082	0.744
30	87	0.374	0.934	0.560
35	88	0.411	0.968	0.557
35	92	0.415	0.957	0.542
35	93	0.477	1.117	0.640
35	94	0.444	0.881	0.437
35	95	0.380	1.033	0.653
50	1	0.104	0.532	0.428
50	2	0.022	0.703	0.681
50	3	0.038	0.678	0.640
50	5	0.259	0.465	0.206
50	6	0.138	0.692	0.554
55	7	0.297	0.644	0.347
55	8	0.174	0.747	0.573
55	9	0.055	0.690	0.635
55	10	0.059	0.716	0.657
55	11	0.068	0.777	0.709
100	29	0.324	2.368	2.044
100	30	0.274	2.245	1.971
100	31	0.112	1.801	1.689
100	32	0.274	2.951	2.677
100	34	0.106	2.028	1.922
100	35	0.107	3.839	3.732
100	36	0.252	3.072	2.820
100	38	0.124	3.713	3.589
100	39	0.058	1.801	1.743
100	41	0.037	1.675	1.638
100	42	0.732	3.212	2.480
100	43	0.196	1.684	1.488
100	45	0.072	2.400	2.328
100	46	0.023	1.383	1.360
100	47	0.001	2.207	2.206
100	48	0.054	3.669	3.615
100	49	0.067	0.916	0.849
100	51	0.030	4.014	3.984
100	54	0.064	1.606	1.542
100	56	0.259	6.447	6.188
100	57	0.303	2.135	1.832
100	58	0.169	2.752	2.583
100	59	0.171	1.363	1.192
105	61	0.156	0.749	0.593
105	62	0.097	0.600	0.503
105	64	0.069	0.664	0.595
105	65	0.110	0.552	0.442
105	66	0.123	0.636	0.513
	Max	0.816	6.447	6.188
	Average	0.274	1.447	1.174
	Min	0.001	0.465	0.172
	Std Dev	0.201	1.071	1.111



	6.8 __EN7p0V_I_Vin14V	
Test Site		
Tester		
Test Number		
Max Limit	12	nA
Min Limit		nA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.837	0.809	0.684	0.792	0.788	0.934	0.881	0.465	0.644	0.916	0.552
Average	0.947	1.005	0.853	0.993	0.941	1.275	0.991	0.614	0.715	2.577	0.640
Max	1.057	1.208	1.165	1.257	1.154	2.081	1.117	0.703	0.777	6.447	0.749
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



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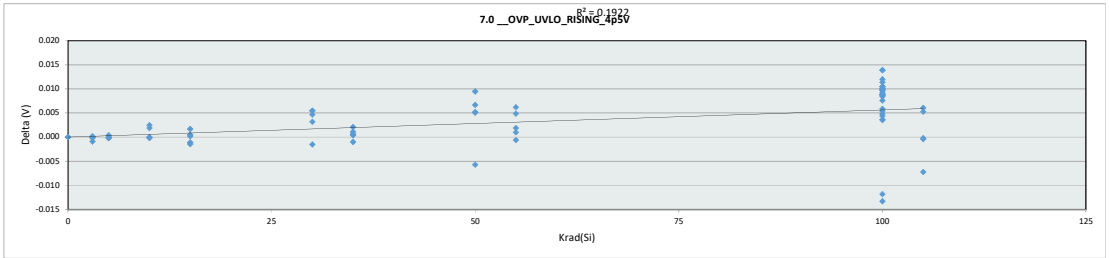
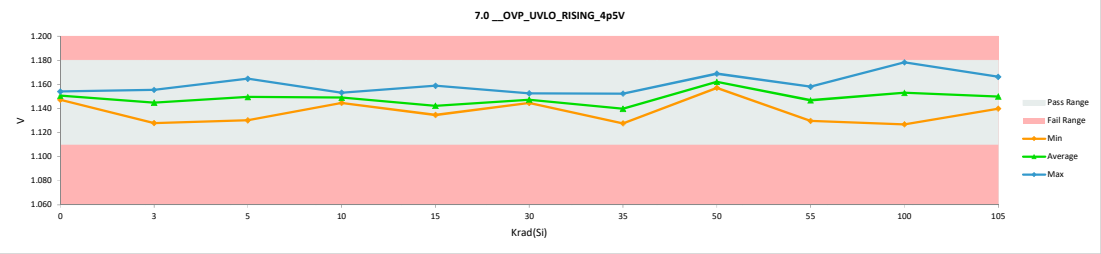
	7.0 __OVP_UVLO_RISING_4p5V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1.18	1.18
Min Limit	1.11	1.11

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.154	1.154	0.000
0	229	1.147	1.147	0.000
3	107	1.147	1.148	0.000
3	108	1.145	1.145	0.000
3	109	1.156	1.156	-0.001
3	110	1.128	1.128	0.000
3	111	1.149	1.149	0.000
5	112	1.161	1.161	0.000
5	113	1.151	1.151	0.000
5	114	1.130	1.130	0.000
5	115	1.142	1.142	0.000
5	116	1.165	1.165	0.000
10	96	1.153	1.153	0.000
10	97	1.149	1.152	0.003
10	98	1.147	1.147	0.000
10	99	1.145	1.145	0.000
10	100	1.147	1.149	0.002
15	101	1.138	1.137	-0.001
15	102	1.140	1.139	-0.001
15	104	1.157	1.159	0.002
15	105	1.135	1.135	0.000
15	106	1.142	1.143	0.001
30	83	1.142	1.145	0.003
30	84	1.147	1.153	0.006
30	85	1.146	1.145	-0.002
30	86	1.143	1.148	0.006
30	87	1.142	1.146	0.005
35	88	1.138	1.137	-0.001
35	92	1.151	1.152	0.001
35	93	1.148	1.149	0.000
35	94	1.127	1.128	0.001
35	95	1.132	1.134	0.002
50	1	1.150	1.159	0.010
50	2	1.162	1.169	0.007
50	3	1.152	1.157	0.005
50	5	1.163	1.157	-0.006
50	6	1.163	1.168	0.005
55	7	1.157	1.157	-0.001
55	8	1.153	1.158	0.005
55	9	1.129	1.130	0.001
55	10	1.130	1.132	0.002
55	11	1.152	1.158	0.006
100	29	1.135	1.145	0.011
100	30	1.156	1.165	0.009
100	31	1.131	1.141	0.010
100	32	1.153	1.163	0.010
100	34	1.133	1.147	0.014
100	35	1.139	1.127	-0.012
100	36	1.146	1.154	0.008
100	38	1.152	1.158	0.005
100	39	1.157	1.166	0.010
100	41	1.134	1.145	0.011
100	42	1.141	1.149	0.008
100	43	1.146	1.133	-0.013
100	45	1.148	1.156	0.009
100	46	1.137	1.146	0.009
100	47	1.141	1.146	0.004
100	48	1.164	1.178	0.014
100	49	1.152	1.162	0.010
100	51	1.141	1.146	0.005
100	54	1.144	1.150	0.006
100	56	1.130	1.139	0.009
100	57	1.161	1.173	0.012
100	58	1.171	1.174	0.004
100	59	1.153	1.157	0.004
105	61	1.140	1.140	0.000
105	62	1.161	1.166	0.005
105	64	1.143	1.142	0.000
105	65	1.157	1.149	-0.007
105	66	1.146	1.152	0.006
Max		1.171	1.178	0.014
Average		1.147	1.150	0.003
Min		1.127	1.127	-0.013
Std Dev		0.010	0.012	0.005



	7.0 __OVP_UVLO_RISING_4p5	
Test Site		
Tester		
Test Number		
Max Limit	1.18	V
Min Limit	1.11	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.147	1.128	1.130	1.145	1.135	1.145	1.128	1.157	1.130	1.127	1.140
Average	1.151	1.145	1.150	1.149	1.142	1.147	1.140	1.162	1.147	1.153	1.150
Max	1.154	1.156	1.165	1.153	1.159	1.153	1.152	1.169	1.158	1.178	1.166
UL	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180



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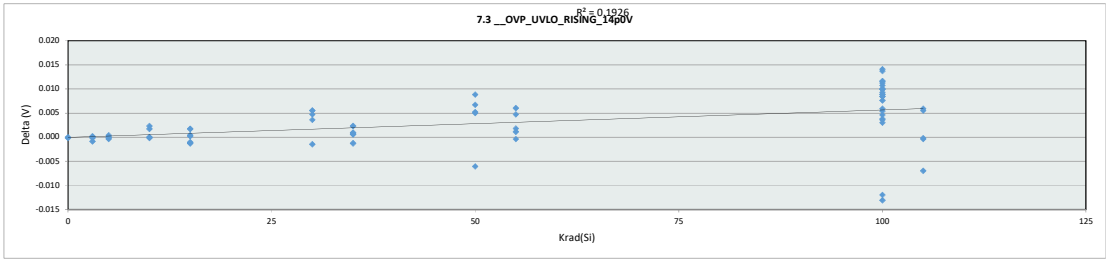
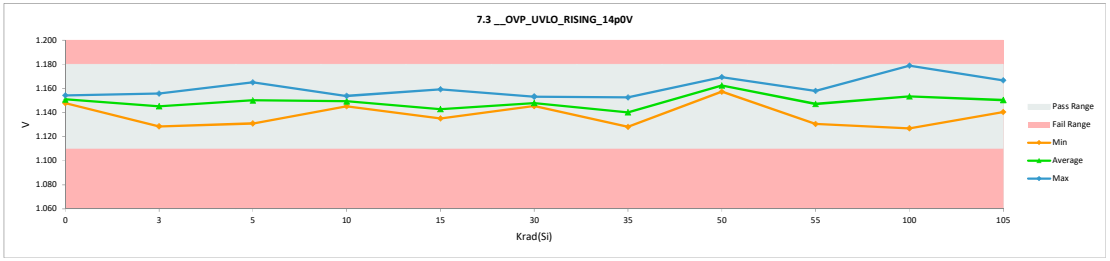
	7.3 __OVP_UVLO_RISING_14p0V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1.18	1.18
Min Limit	1.11	1.11

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.154	1.154	0.000
0	229	1.148	1.148	0.000
3	107	1.148	1.148	0.000
3	108	1.145	1.145	0.000
3	109	1.157	1.156	-0.001
3	110	1.129	1.129	0.000
3	111	1.149	1.149	0.000
5	112	1.161	1.161	0.000
5	113	1.151	1.151	0.000
5	114	1.130	1.131	0.000
5	115	1.143	1.143	0.000
5	116	1.165	1.165	0.000
10	96	1.154	1.154	0.000
10	97	1.149	1.152	0.002
10	98	1.148	1.147	0.000
10	99	1.145	1.145	0.000
10	100	1.147	1.149	0.002
15	101	1.139	1.138	-0.001
15	102	1.140	1.139	-0.001
15	104	1.158	1.159	0.002
15	105	1.135	1.135	0.000
15	106	1.143	1.143	0.000
30	83	1.142	1.146	0.004
30	84	1.148	1.153	0.006
30	85	1.147	1.145	-0.002
30	86	1.143	1.149	0.005
30	87	1.142	1.146	0.005
35	88	1.138	1.137	-0.001
35	92	1.152	1.153	0.001
35	93	1.149	1.149	0.001
35	94	1.128	1.128	0.001
35	95	1.132	1.134	0.002
50	1	1.150	1.159	0.009
50	2	1.163	1.169	0.007
50	3	1.153	1.158	0.005
50	5	1.163	1.157	-0.006
50	6	1.164	1.169	0.005
55	7	1.158	1.157	0.000
55	8	1.153	1.158	0.005
55	9	1.129	1.130	0.001
55	10	1.130	1.132	0.002
55	11	1.152	1.158	0.006
100	29	1.135	1.146	0.011
100	30	1.157	1.166	0.009
100	31	1.131	1.142	0.011
100	32	1.153	1.163	0.010
100	34	1.134	1.147	0.014
100	35	1.139	1.127	-0.012
100	36	1.147	1.155	0.008
100	38	1.152	1.158	0.006
100	39	1.157	1.168	0.010
100	41	1.134	1.146	0.012
100	42	1.141	1.150	0.008
100	43	1.147	1.134	-0.013
100	45	1.148	1.157	0.009
100	46	1.137	1.146	0.009
100	47	1.142	1.145	0.004
100	48	1.165	1.179	0.014
100	49	1.152	1.162	0.010
100	51	1.141	1.146	0.005
100	54	1.144	1.150	0.005
100	56	1.131	1.139	0.008
100	57	1.162	1.173	0.012
100	58	1.171	1.174	0.003
100	59	1.154	1.158	0.004
105	61	1.141	1.140	0.000
105	62	1.161	1.167	0.005
105	64	1.143	1.143	0.000
105	65	1.157	1.150	-0.007
105	66	1.146	1.152	0.006
	Max	1.171	1.179	0.014
	Average	1.147	1.150	0.003
	Min	1.128	1.127	-0.013
	Std Dev	0.010	0.012	0.005



	7.3 __OVP_UVLO_RISING_14	
Test Site		
Tester		
Test Number		
Max Limit	1.18	V
Min Limit	1.11	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110	1.110
Min	1.148	1.129	1.131	1.145	1.135	1.145	1.128	1.157	1.131	1.127	1.140
Average	1.151	1.145	1.150	1.149	1.143	1.148	1.140	1.162	1.147	1.153	1.150
Max	1.154	1.156	1.165	1.154	1.159	1.153	1.153	1.169	1.158	1.179	1.167
UL	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180	1.180



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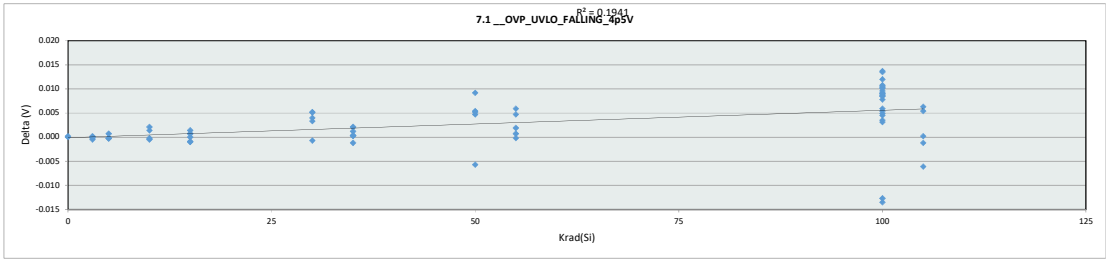
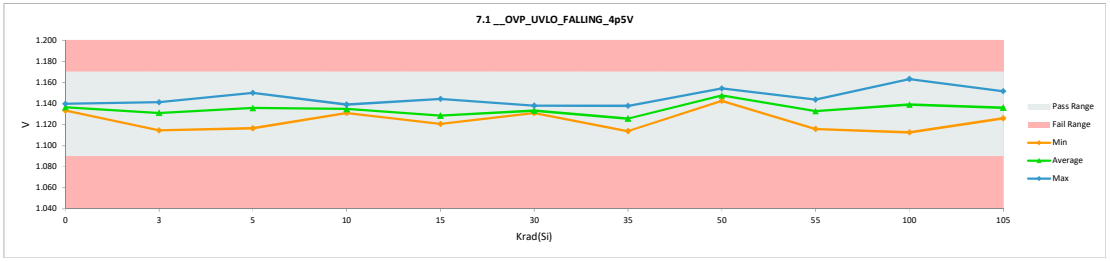
	7.1 __OVP_UVLO_FALLING_4p5V	
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1.17	1.17
Min Limit	1.09	1.09

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.140	1.140	0.000
0	229	1.133	1.133	0.000
3	107	1.134	1.134	0.000
3	108	1.131	1.131	0.000
3	109	1.142	1.141	-0.001
3	110	1.115	1.115	0.000
3	111	1.134	1.134	0.000
5	112	1.147	1.146	0.000
5	113	1.138	1.138	0.000
5	114	1.116	1.117	0.001
5	115	1.128	1.128	0.000
5	116	1.150	1.150	0.000
10	96	1.140	1.139	0.000
10	97	1.135	1.137	0.002
10	98	1.133	1.133	0.000
10	99	1.131	1.131	0.000
10	100	1.133	1.134	0.001
15	101	1.124	1.123	-0.001
15	102	1.127	1.126	-0.001
15	104	1.143	1.144	0.001
15	105	1.121	1.121	0.000
15	106	1.128	1.128	0.001
30	83	1.128	1.131	0.003
30	84	1.133	1.138	0.005
30	85	1.132	1.132	-0.001
30	86	1.129	1.134	0.005
30	87	1.128	1.132	0.004
35	88	1.124	1.122	-0.001
35	92	1.137	1.138	0.001
35	93	1.134	1.134	0.000
35	94	1.113	1.114	0.000
35	95	1.118	1.120	0.002
50	1	1.135	1.144	0.009
50	2	1.149	1.154	0.005
50	3	1.138	1.143	0.005
50	5	1.148	1.143	-0.006
50	6	1.149	1.154	0.005
55	7	1.143	1.143	0.000
55	8	1.139	1.144	0.005
55	9	1.115	1.116	0.001
55	10	1.116	1.118	0.002
55	11	1.137	1.143	0.006
100	29	1.121	1.131	0.010
100	30	1.143	1.152	0.009
100	31	1.117	1.127	0.011
100	32	1.138	1.149	0.010
100	34	1.120	1.134	0.014
100	35	1.125	1.113	-0.013
100	36	1.132	1.140	0.008
100	38	1.138	1.143	0.005
100	39	1.142	1.152	0.010
100	41	1.120	1.131	0.011
100	42	1.127	1.135	0.008
100	43	1.132	1.119	-0.013
100	45	1.134	1.142	0.008
100	46	1.123	1.132	0.009
100	47	1.128	1.133	0.005
100	48	1.150	1.163	0.014
100	49	1.138	1.148	0.009
100	51	1.128	1.132	0.005
100	54	1.130	1.136	0.006
100	56	1.117	1.126	0.009
100	57	1.147	1.159	0.012
100	58	1.156	1.159	0.003
100	59	1.139	1.143	0.003
105	61	1.126	1.126	0.000
105	62	1.146	1.152	0.005
105	64	1.129	1.128	-0.001
105	65	1.142	1.136	-0.006
105	66	1.132	1.138	0.006
	Max	1.156	1.163	0.014
	Average	1.133	1.136	0.003
	Min	1.113	1.113	-0.013
	Std Dev	0.010	0.011	0.005



	7.1 __OVP_UVLO_FALLING_4p	
Test Site		
Tester		
Test Number		
Max Limit	1.17	V
Min Limit	1.09	V

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090
Min	1.133	1.115	1.117	1.131	1.121	1.131	1.114	1.143	1.116	1.113	1.126
Average	1.137	1.131	1.136	1.135	1.128	1.133	1.126	1.148	1.133	1.139	1.136
Max	1.140	1.141	1.150	1.139	1.144	1.138	1.138	1.154	1.144	1.163	1.152
UL	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170



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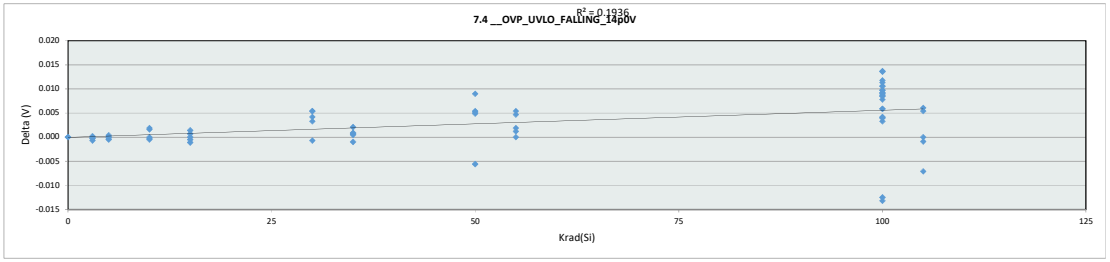
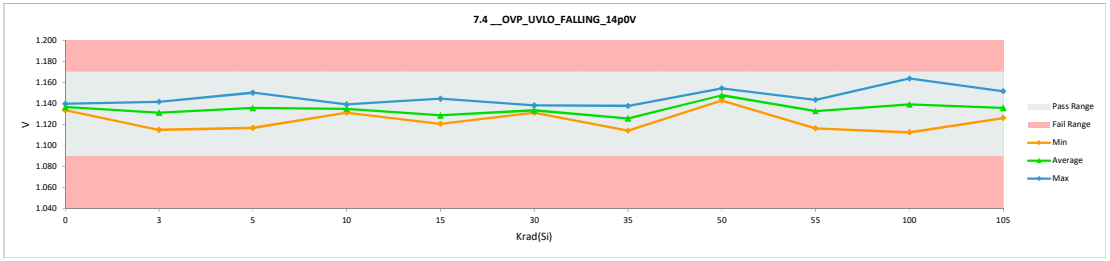
	7.4 __OVP_UVLO_FALLING_14p0V		
Test Site			
Tester			
Test Number			
Unit	V	V	
Max Limit	1.17	1.17	
Min Limit	1.09	1.09	
Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.140	1.140	0.000
0	229	1.134	1.134	0.000
3	107	1.134	1.134	0.000
3	108	1.131	1.131	0.000
3	109	1.142	1.142	-0.001
3	110	1.115	1.115	0.000
3	111	1.134	1.134	0.000
5	112	1.147	1.146	0.000
5	113	1.138	1.138	0.000
5	114	1.116	1.117	0.000
5	115	1.128	1.128	0.000
5	116	1.150	1.150	0.000
10	96	1.140	1.139	0.000
10	97	1.135	1.137	0.002
10	98	1.133	1.133	0.000
10	99	1.132	1.131	-0.001
10	100	1.133	1.135	0.002
15	101	1.125	1.124	-0.001
15	102	1.127	1.126	-0.001
15	104	1.143	1.145	0.001
15	105	1.121	1.121	0.000
15	106	1.128	1.129	0.001
30	83	1.128	1.131	0.003
30	84	1.133	1.138	0.005
30	85	1.133	1.132	-0.001
30	86	1.129	1.134	0.005
30	87	1.128	1.132	0.004
35	88	1.124	1.123	-0.001
35	92	1.137	1.138	0.001
35	93	1.134	1.135	0.001
35	94	1.114	1.114	0.000
35	95	1.118	1.120	0.002
50	1	1.135	1.144	0.009
50	2	1.149	1.155	0.005
50	3	1.138	1.143	0.005
50	5	1.148	1.143	-0.006
50	6	1.150	1.155	0.005
55	7	1.143	1.143	0.000
55	8	1.139	1.143	0.005
55	9	1.115	1.116	0.001
55	10	1.116	1.118	0.002
55	11	1.138	1.143	0.005
100	29	1.121	1.132	0.011
100	30	1.143	1.152	0.009
100	31	1.117	1.127	0.011
100	32	1.138	1.148	0.010
100	34	1.120	1.134	0.014
100	35	1.125	1.113	-0.013
100	36	1.133	1.140	0.008
100	38	1.138	1.144	0.006
100	39	1.143	1.153	0.010
100	41	1.121	1.131	0.011
100	42	1.127	1.135	0.008
100	43	1.132	1.119	-0.013
100	45	1.134	1.142	0.008
100	46	1.123	1.132	0.009
100	47	1.128	1.132	0.004
100	48	1.150	1.164	0.014
100	49	1.138	1.148	0.009
100	51	1.128	1.132	0.004
100	54	1.130	1.136	0.006
100	56	1.117	1.126	0.009
100	57	1.147	1.159	0.012
100	58	1.156	1.160	0.003
100	59	1.139	1.143	0.004
105	61	1.126	1.126	0.000
105	62	1.146	1.152	0.005
105	64	1.129	1.128	-0.001
105	65	1.142	1.135	-0.007
105	66	1.132	1.138	0.006
Max		1.156	1.164	0.014
Average		1.133	1.136	0.003
Min		1.114	1.113	-0.013
Std Dev		0.010	0.011	0.005



	7.4 __OVP_UVLO_FALLING_14										
Test Site											
Tester											
Test Number											
Max Limit	1.17	V									
Min Limit	1.09	V									
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090	1.090
Min	1.134	1.115	1.117	1.131	1.121	1.131	1.114	1.143	1.116	1.113	1.126
Average	1.137	1.131	1.136	1.135	1.129	1.134	1.126	1.148	1.133	1.139	1.136
Max	1.140	1.142	1.150	1.139	1.145	1.138	1.138	1.155	1.144	1.164	1.152
UL	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170	1.170



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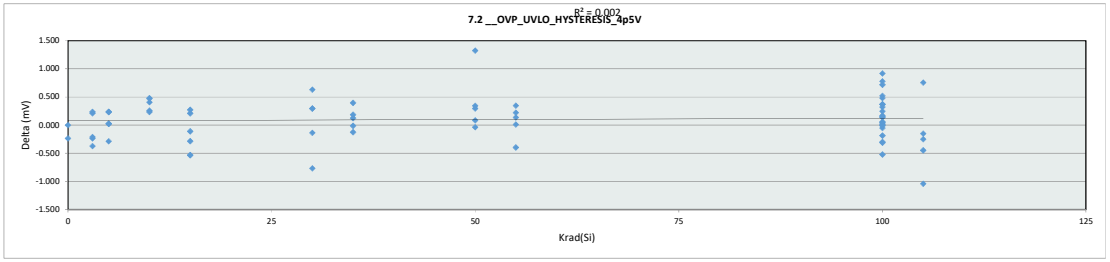
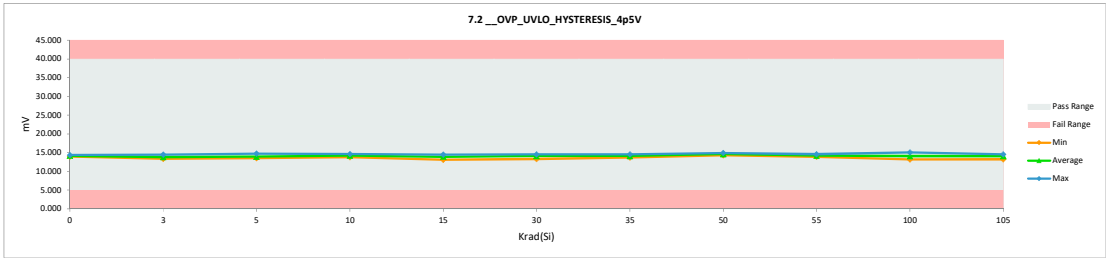
	7.2 __OVP_UVLO_HYSTERESIS_4p5V	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	40	40
Min Limit	5	5

Krad(Si)	Serial #	PRE	POST	Delta
0	227	14.363	14.363	0.000
0	229	14.215	13.980	-0.235
3	107	13.509	13.720	0.211
3	108	13.595	13.360	-0.235
3	109	14.561	14.189	-0.372
3	110	13.201	13.436	0.235
3	111	14.723	14.512	-0.211
5	112	14.040	14.065	0.025
5	113	13.508	13.532	0.024
5	114	13.920	13.634	-0.286
5	115	13.448	13.683	0.235
5	116	14.511	14.746	0.235
10	96	13.967	14.227	0.260
10	97	14.228	14.637	0.409
10	98	13.980	14.215	0.235
10	99	13.335	13.806	0.471
10	100	13.819	14.301	0.482
15	101	13.869	13.758	-0.111
15	102	13.646	13.113	-0.533
15	104	14.226	14.499	0.273
15	105	13.845	14.056	0.211
15	106	14.364	14.080	-0.284
30	83	13.943	13.806	-0.137
30	84	14.240	14.537	0.297
30	85	14.079	13.311	-0.768
30	86	14.055	14.352	0.297
30	87	13.943	14.575	0.632
35	88	13.944	14.068	0.124
35	92	14.686	14.562	-0.124
35	93	14.116	14.301	0.185
35	94	13.536	13.932	0.396
35	95	13.721	13.708	-0.013
50	1	14.649	14.945	0.296
50	2	13.395	14.721	1.326
50	3	14.351	14.437	0.086
50	5	14.734	14.697	-0.037
50	6	13.978	14.324	0.346
55	7	14.437	14.041	-0.396
55	8	14.227	14.363	0.136
55	9	13.573	13.920	0.347
55	10	14.105	14.118	0.013
55	11	14.401	14.623	0.222
100	29	13.584	13.756	0.172
100	30	13.383	13.519	0.136
100	31	14.056	13.757	-0.299
100	32	14.487	14.474	-0.013
100	34	13.287	13.533	0.246
100	35	13.348	14.267	0.919
100	36	14.079	13.892	-0.187
100	38	14.351	14.413	0.062
100	39	14.512	14.548	0.036
100	41	13.237	14.017	0.780
100	42	14.489	14.438	-0.051
100	43	14.315	14.465	0.150
100	45	13.720	14.090	0.370
100	46	13.361	13.683	0.322
100	47	13.732	13.211	-0.521
100	48	14.561	15.042	0.481
100	49	13.644	14.362	0.718
100	51	13.521	13.893	0.372
100	54	13.695	13.706	0.011
100	56	13.634	13.324	-0.310
100	57	14.461	14.460	-0.001
100	58	14.547	15.067	0.520
100	59	14.438	14.486	0.048
105	61	14.353	13.906	-0.447
105	62	14.722	14.572	-0.150
105	64	13.584	14.340	0.756
105	65	14.301	13.260	-1.041
105	66	14.575	14.326	-0.249
	Max	14.734	15.067	1.326
	Average	14.014	14.115	0.101
	Min	13.201	13.113	-1.041
	Std Dev	0.435	0.458	0.386



	7.2 __OVP_UVLO_HYSTERESIS
Test Site	
Tester	
Test Number	
Max Limit	40 mV
Min Limit	5 mV

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	13.980	13.360	13.532	13.806	13.113	13.311	13.708	14.324	13.920	13.211	13.260
Average	14.172	13.843	13.932	14.237	13.901	14.116	14.114	14.625	14.213	14.104	14.081
Max	14.363	14.512	14.746	14.637	14.499	14.575	14.562	14.945	14.623	15.067	14.572
UL	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000



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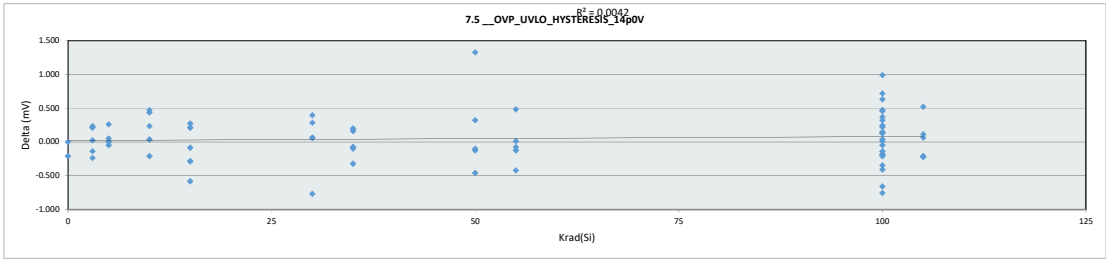
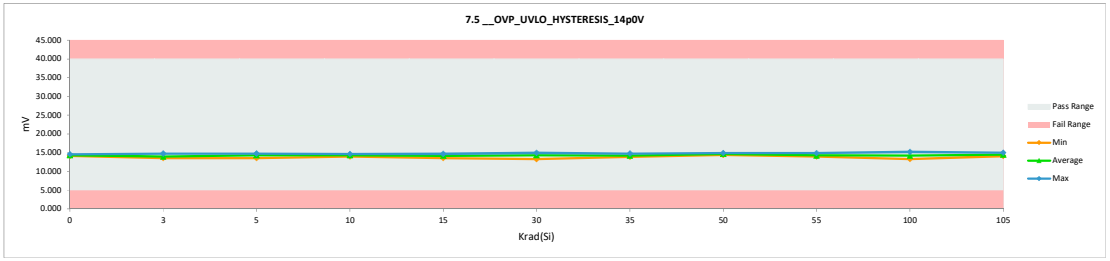
	7.5 __OVP_UVLO_HYSTERESIS_14p0V	
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	40	40
Min Limit	5	5

Krad(Si)	Serial #	PRE	POST	Delta
0	227	14.574	14.574	0.000
0	229	14.376	14.165	-0.211
3	107	13.694	13.905	0.211
3	108	13.782	13.546	-0.236
3	109	14.301	14.165	-0.136
3	110	13.362	13.597	0.235
3	111	14.723	14.748	0.025
5	112	14.226	14.487	0.261
5	113	13.483	13.532	0.049
5	114	14.081	14.032	-0.049
5	115	14.762	14.762	0.000
5	116	14.722	14.722	0.000
10	96	14.388	14.623	0.235
10	97	14.202	14.637	0.435
10	98	14.426	14.215	-0.211
10	99	13.521	13.992	0.471
10	100	14.215	14.252	0.037
15	101	14.266	13.683	-0.583
15	102	13.621	13.535	-0.086
15	104	14.413	14.685	0.272
15	105	14.031	14.242	0.211
15	106	14.762	14.476	-0.286
30	83	14.129	14.414	0.285
30	84	14.872	14.934	0.062
30	85	14.029	13.261	-0.768
30	86	14.476	14.537	0.061
30	87	14.154	14.550	0.396
35	88	14.576	14.253	-0.323
35	92	14.872	14.773	-0.099
35	93	14.301	14.228	-0.073
35	94	13.722	13.883	0.161
35	95	13.932	14.130	0.198
50	1	14.835	14.734	-0.101
50	2	13.581	14.907	1.326
50	3	14.537	14.413	-0.124
50	5	15.131	14.673	-0.458
50	6	14.163	14.485	0.322
55	7	14.413	13.991	-0.422
55	8	14.463	14.387	-0.076
55	9	14.205	14.081	-0.124
55	10	14.081	14.093	0.012
55	11	14.375	14.858	0.483
100	29	14.006	13.868	-0.138
100	30	13.334	13.469	0.135
100	31	14.242	14.390	0.148
100	32	14.487	14.734	0.247
100	34	13.708	13.744	0.036
100	35	13.795	14.267	0.472
100	36	14.264	14.078	-0.186
100	38	14.562	14.574	0.012
100	39	14.673	14.895	0.222
100	41	13.424	14.414	0.990
100	42	14.439	14.389	-0.050
100	43	14.500	14.626	0.126
100	45	13.930	14.301	0.371
100	46	13.547	13.868	0.321
100	47	13.943	13.285	-0.658
100	48	14.746	15.203	0.457
100	49	13.855	14.573	0.718
100	51	13.732	14.364	0.632
100	54	14.117	13.706	-0.411
100	56	14.056	13.299	-0.757
100	57	14.648	14.460	-0.188
100	58	14.919	14.572	-0.347
100	59	14.623	14.413	-0.210
105	61	14.303	14.092	-0.211
105	62	14.932	14.994	0.062
105	64	13.794	14.315	0.521
105	65	14.512	14.624	0.112
105	66	14.786	14.562	-0.224
	Max	15.131	15.203	1.326
	Average	14.238	14.289	0.051
	Min	13.334	13.261	-0.768
	Std Dev	0.433	0.445	0.366



	7.5 __OVP_UVLO_HYSTERESIS	
Test Site		
Tester		
Test Number		
Max Limit	40	mV
Min Limit	5	mV

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	14.165	13.546	13.532	13.992	13.535	13.261	13.883	14.413	13.991	13.285	14.092
Average	14.370	13.992	14.307	14.344	14.124	14.339	14.253	14.642	14.282	14.239	14.517
Max	14.574	14.748	14.762	14.637	14.685	14.934	14.773	14.907	14.858	15.203	14.994
UL	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000	40.000



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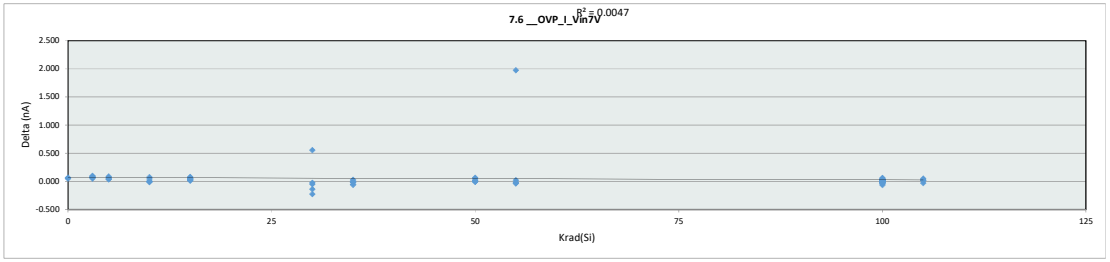
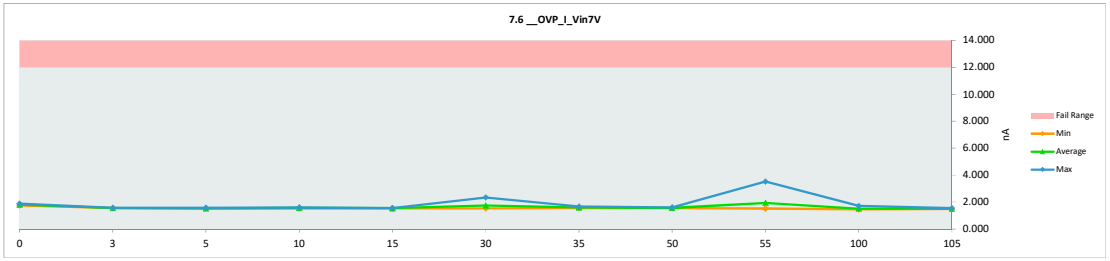
	7.6 __OVP_I_Vin7V	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	12	12
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.822	1.871	0.049
0	229	1.673	1.739	0.066
3	107	1.474	1.552	0.078
3	108	1.471	1.566	0.095
3	109	1.499	1.548	0.049
3	110	1.485	1.557	0.072
3	111	1.469	1.539	0.070
5	112	1.457	1.543	0.086
5	113	1.460	1.497	0.037
5	114	1.447	1.518	0.071
5	115	1.463	1.502	0.039
5	116	1.528	1.577	0.049
10	96	1.569	1.558	-0.011
10	97	1.577	1.578	0.001
10	98	1.519	1.561	0.042
10	99	1.529	1.533	0.004
10	100	1.497	1.572	0.075
15	101	1.538	1.553	0.015
15	102	1.509	1.537	0.028
15	104	1.479	1.556	0.077
15	105	1.512	1.556	0.044
15	106	1.475	1.525	0.050
30	83	1.900	1.673	-0.227
30	84	1.785	2.341	0.556
30	85	1.659	1.521	-0.138
30	86	1.639	1.614	-0.025
30	87	1.632	1.581	-0.051
35	88	1.624	1.608	-0.016
35	92	1.595	1.585	-0.010
35	93	1.678	1.668	-0.010
35	94	1.578	1.603	0.025
35	95	1.609	1.551	-0.058
50	1	1.607	1.600	-0.007
50	2	1.515	1.577	0.062
50	3	1.549	1.571	0.022
50	5	1.541	1.548	0.007
50	6	1.545	1.540	-0.005
55	7	1.561	1.544	-0.017
55	8	1.547	1.516	-0.031
55	9	1.537	3.513	1.976
55	10	1.538	1.558	0.020
55	11	1.555	1.519	-0.036
100	29	1.548	1.575	0.027
100	30	1.533	1.490	-0.043
100	31	1.534	1.468	-0.066
100	32	1.495	1.482	-0.013
100	34	1.505	1.498	-0.007
100	35	1.495	1.487	-0.008
100	36	1.650	1.709	0.059
100	38	1.485	1.512	0.027
100	39	1.487	1.486	-0.001
100	41	1.472	1.504	0.032
100	42	1.481	1.473	-0.008
100	43	1.447	1.499	0.052
100	45	1.474	1.487	0.013
100	46	1.497	1.510	0.013
100	47	1.497	1.454	-0.043
100	48	1.486	1.473	-0.013
100	49	1.554	1.568	0.014
100	51	1.519	1.494	-0.025
100	54	1.450	1.476	0.026
100	56	1.472	1.454	-0.018
100	57	1.458	1.480	0.022
100	58	1.519	1.524	0.005
100	59	1.480	1.491	0.011
105	61	1.521	1.537	0.016
105	62	1.486	1.506	0.020
105	64	1.525	1.495	-0.030
105	65	1.490	1.512	0.022
105	66	1.470	1.519	0.049
	Max	1.900	3.513	1.976
	Average	1.538	1.585	0.047
	Min	1.447	1.454	-0.227
	Std Dev	0.086	0.261	0.248



	7.6 __OVP_I_Vin7V	
Test Site		
Tester		
Test Number		
Max Limit	12	nA
Min Limit		nA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	1.739	1.539	1.497	1.533	1.525	1.521	1.551	1.540	1.516	1.454	1.495
Average	1.805	1.552	1.527	1.560	1.545	1.746	1.603	1.567	1.930	1.504	1.514
Max	1.871	1.566	1.577	1.578	1.556	2.341	1.668	1.600	3.513	1.709	1.537
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



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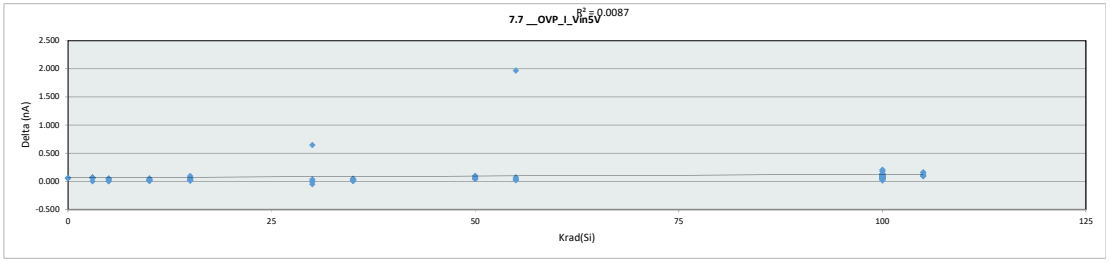
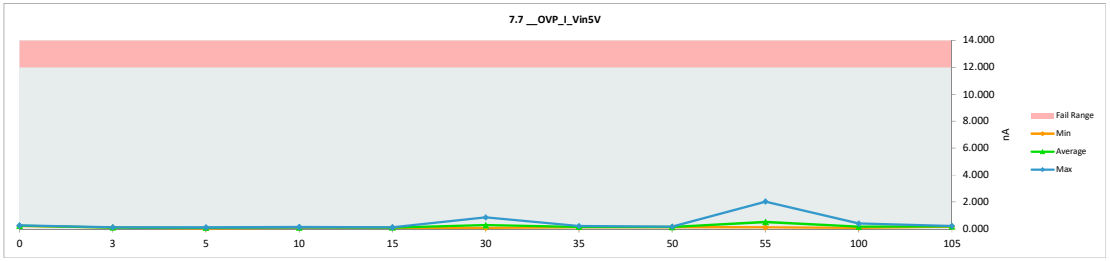
	7.7 __OVP_I_Vin5V	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	12	12
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.207	0.261	0.054
0	229	0.150	0.216	0.066
3	107	0.048	0.119	0.071
3	108	0.033	0.104	0.071
3	109	0.102	0.104	0.002
3	110	0.043	0.099	0.056
3	111	0.026	0.093	0.067
5	112	0.055	0.101	0.046
5	113	0.035	0.039	0.004
5	114	0.027	0.081	0.054
5	115	0.057	0.062	0.005
5	116	0.087	0.112	0.025
10	96	0.125	0.133	0.008
10	97	0.113	0.124	0.011
10	98	0.075	0.109	0.034
10	99	0.069	0.093	0.024
10	100	0.030	0.086	0.056
15	101	0.076	0.091	0.015
15	102	0.057	0.101	0.044
15	104	0.023	0.116	0.093
15	105	0.060	0.114	0.054
15	106	0.064	0.087	0.023
30	83	0.210	0.201	-0.009
30	84	0.212	0.859	0.647
30	85	0.122	0.073	-0.049
30	86	0.135	0.139	0.004
30	87	0.112	0.147	0.035
35	88	0.104	0.136	0.032
35	92	0.133	0.142	0.009
35	93	0.198	0.213	0.015
35	94	0.113	0.161	0.048
35	95	0.079	0.118	0.039
50	1	0.093	0.141	0.048
50	2	0.068	0.166	0.098
50	3	0.087	0.154	0.067
50	5	0.089	0.131	0.042
50	6	0.090	0.140	0.050
55	7	0.112	0.184	0.072
55	8	0.101	0.122	0.021
55	9	0.060	2.031	1.971
55	10	0.089	0.128	0.039
55	11	0.076	0.113	0.037
100	29	0.130	0.217	0.087
100	30	0.083	0.157	0.074
100	31	0.094	0.156	0.062
100	32	0.076	0.115	0.039
100	34	0.047	0.099	0.052
100	35	0.051	0.100	0.049
100	36	0.192	0.397	0.205
100	38	0.100	0.117	0.017
100	39	0.042	0.118	0.076
100	41	0.065	0.128	0.063
100	42	0.057	0.164	0.107
100	43	0.009	0.188	0.179
100	45	0.038	0.124	0.086
100	46	0.061	0.188	0.127
100	47	0.059	0.188	0.129
100	48	0.043	0.082	0.039
100	49	0.145	0.254	0.109
100	51	0.077	0.154	0.077
100	54	0.044	0.174	0.130
100	56	0.037	0.087	0.050
100	57	0.083	0.169	0.086
100	58	0.078	0.182	0.104
100	59	0.063	0.196	0.133
105	61	0.074	0.172	0.098
105	62	0.063	0.183	0.120
105	64	0.078	0.171	0.093
105	65	0.061	0.221	0.160
105	66	0.057	0.214	0.157
	Max	0.212	2.031	1.971
	Average	0.084	0.181	0.097
	Min	0.009	0.039	-0.049
	Std Dev	0.046	0.246	0.242



	7.7 __OVP_I_Vin5V	
Test Site		
Tester		
Test Number		
Max Limit	12	nA
Min Limit		nA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.216	0.093	0.039	0.086	0.087	0.073	0.118	0.131	0.113	0.082	0.171
Average	0.239	0.104	0.079	0.109	0.102	0.284	0.154	0.146	0.516	0.163	0.192
Max	0.261	0.119	0.112	0.133	0.116	0.859	0.213	0.166	2.031	0.397	0.221
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



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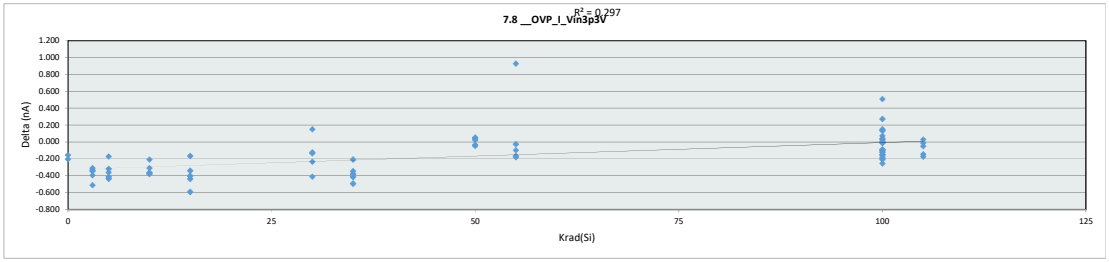
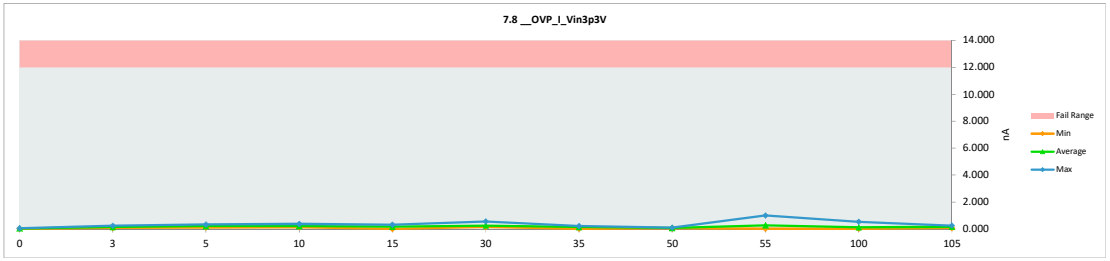
	7.8 __OVP_I_Vin3p3V	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	12	12
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	0.213	0.057	-0.156
0	229	0.217	0.013	-0.204
3	107	0.508	0.160	-0.348
3	108	0.445	0.111	-0.334
3	109	0.524	0.129	-0.395
3	110	0.552	0.241	-0.311
3	111	0.591	0.079	-0.512
5	112	0.558	0.143	-0.415
5	113	0.507	0.333	-0.174
5	114	0.429	0.109	-0.320
5	115	0.678	0.241	-0.437
5	116	0.636	0.274	-0.362
10	96	0.490	0.123	-0.367
10	97	0.546	0.180	-0.366
10	98	0.519	0.208	-0.311
10	99	0.611	0.231	-0.380
10	100	0.580	0.370	-0.210
15	101	0.763	0.171	-0.592
15	102	0.477	0.311	-0.166
15	104	0.555	0.214	-0.341
15	105	0.448	0.009	-0.439
15	106	0.526	0.123	-0.403
30	83	0.268	0.144	-0.124
30	84	0.401	0.551	0.150
30	85	0.366	0.231	-0.135
30	86	0.409	0.174	-0.235
30	87	0.559	0.148	-0.411
35	88	0.590	0.210	-0.380
35	92	0.525	0.177	-0.348
35	93	0.511	0.097	-0.414
35	94	0.508	0.014	-0.494
35	95	0.416	0.207	-0.209
50	1	0.092	0.044	-0.048
50	2	0.025	0.047	0.022
50	3	0.025	0.079	0.054
50	5	0.086	0.052	-0.034
50	6	0.060	0.100	0.040
55	7	0.225	0.043	-0.182
55	8	0.260	0.092	-0.168
55	9	0.080	1.008	0.928
55	10	0.271	0.172	-0.099
55	11	0.038	0.010	-0.028
100	29	0.082	0.088	0.006
100	30	0.124	0.029	-0.095
100	31	0.200	0.098	-0.102
100	32	0.249	0.123	-0.126
100	34	0.041	0.028	-0.013
100	35	0.229	0.077	-0.152
100	36	0.008	0.050	0.042
100	38	0.026	0.018	-0.008
100	39	0.002	0.274	0.272
100	41	0.086	0.217	0.131
100	42	0.366	0.109	-0.257
100	43	0.143	0.281	0.138
100	45	0.174	0.058	-0.116
100	46	0.213	0.047	-0.166
100	47	0.296	0.104	-0.192
100	48	0.023	0.532	0.509
100	49	0.086	0.158	0.072
100	51	0.081	0.233	0.152
100	54	0.224	0.013	-0.211
100	56	0.256	0.057	-0.199
100	57	0.167	0.078	-0.089
100	58	0.274	0.125	-0.149
100	59	0.175	0.204	0.029
105	61	0.155	0.183	0.028
105	62	0.267	0.253	-0.014
105	64	0.231	0.084	-0.147
105	65	0.263	0.212	-0.051
105	66	0.244	0.069	-0.175
Max		0.763	1.008	0.928
Average		0.311	0.160	-0.151
Min		0.002	0.009	-0.592
Std Dev		0.204	0.150	0.240



	7.8 __OVP_I_Vin3p3V	
Test Site		
Tester		
Test Number		
Max Limit	12	nA
Min Limit		nA

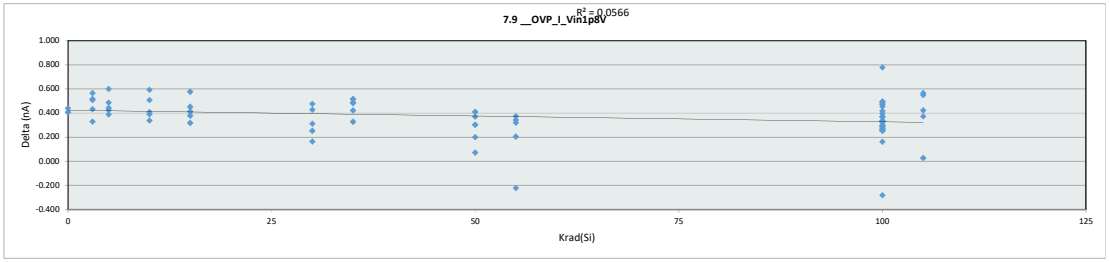
Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	0.013	0.079	0.109	0.123	0.009	0.144	0.014	0.044	0.010	0.013	0.069
Average	0.035	0.144	0.220	0.222	0.166	0.250	0.141	0.064	0.265	0.130	0.160
Max	0.057	0.241	0.333	0.370	0.311	0.551	0.210	0.100	1.008	0.532	0.253
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



HDR TID Report
TPS7H2211-SP

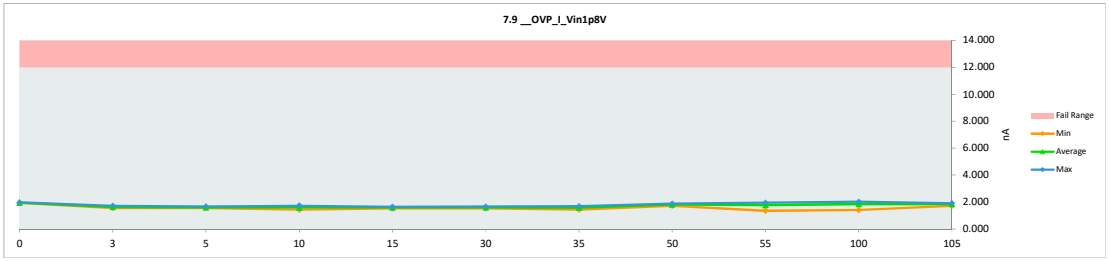
	7.9 __OVP_I_Vin1p8V	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	12	12
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.527	1.965	0.438
0	229	1.514	1.921	0.407
3	107	1.224	1.553	0.329
3	108	1.151	1.716	0.565
3	109	1.153	1.585	0.432
3	110	1.106	1.614	0.508
3	111	1.174	1.691	0.517
5	112	1.064	1.551	0.487
5	113	1.160	1.584	0.424
5	114	1.231	1.674	0.443
5	115	1.011	1.610	0.599
5	116	1.198	1.586	0.388
10	96	1.171	1.560	0.389
10	97	1.128	1.721	0.593
10	98	0.935	1.443	0.508
10	99	1.350	1.688	0.338
10	100	1.137	1.545	0.408
15	101	1.222	1.634	0.412
15	102	1.007	1.584	0.577
15	104	1.202	1.580	0.378
15	105	1.158	1.609	0.451
15	106	1.215	1.533	0.318
30	83	1.328	1.581	0.253
30	84	1.362	1.525	0.163
30	85	1.182	1.658	0.476
30	86	1.230	1.657	0.427
30	87	1.244	1.556	0.312
35	88	1.200	1.684	0.484
35	92	1.109	1.437	0.328
35	93	1.032	1.547	0.515
35	94	1.185	1.606	0.421
35	95	1.070	1.555	0.485
50	1	1.505	1.808	0.303
50	2	1.640	1.712	0.072
50	3	1.503	1.873	0.370
50	5	1.458	1.867	0.409
50	6	1.555	1.755	0.200
55	7	1.518	1.860	0.342
55	8	1.581	1.954	0.373
55	9	1.567	1.345	-0.222
55	10	1.658	1.863	0.205
55	11	1.535	1.855	0.320
100	29	1.577	1.906	0.329
100	30	1.415	1.911	0.496
100	31	1.551	2.022	0.471
100	32	1.466	1.948	0.482
100	34	1.441	1.809	0.368
100	35	1.594	1.867	0.273
100	36	1.633	1.884	0.251
100	38	1.499	1.868	0.369
100	39	1.044	1.823	0.779
100	41	1.604	1.899	0.295
100	42	1.629	1.928	0.299
100	43	1.540	1.796	0.256
100	45	1.563	1.886	0.323
100	46	1.485	1.816	0.331
100	47	1.346	1.839	0.493
100	48	1.675	1.393	-0.282
100	49	1.529	1.814	0.285
100	51	1.545	1.999	0.454
100	54	1.568	1.729	0.161
100	56	1.477	1.737	0.260
100	57	1.427	1.845	0.418
100	58	1.549	1.887	0.338
100	59	1.469	1.865	0.396
105	61	1.684	1.710	0.026
105	62	1.345	1.910	0.565
105	64	1.500	1.872	0.372
105	65	1.437	1.860	0.423
105	66	1.331	1.880	0.549
	Max	1.684	2.022	0.779
	Average	1.363	1.734	0.370
	Min	0.935	1.345	-0.282
	Std Dev	0.203	0.162	0.165



	7.9 __OVP_I_Vin1p8V	
Test Site		
Tester		
Test Number		
Max Limit	12	nA
Min Limit		nA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	1.921	1.553	1.551	1.443	1.533	1.525	1.437	1.712	1.345	1.393	1.710
Average	1.943	1.632	1.601	1.591	1.588	1.595	1.566	1.803	1.775	1.847	1.846
Max	1.965	1.716	1.674	1.721	1.634	1.658	1.684	1.873	1.954	2.022	1.910
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



HDR TID Report
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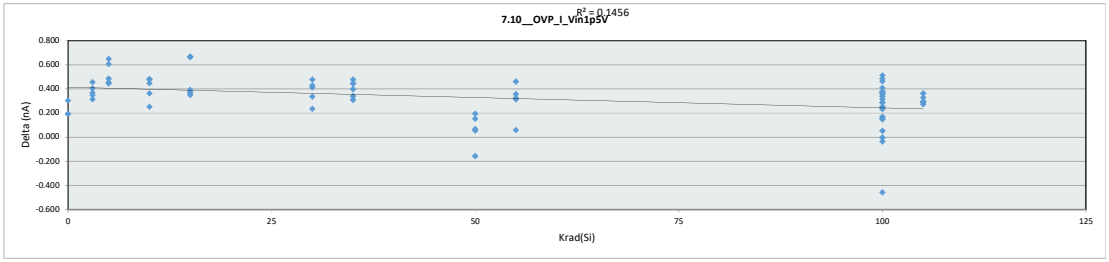
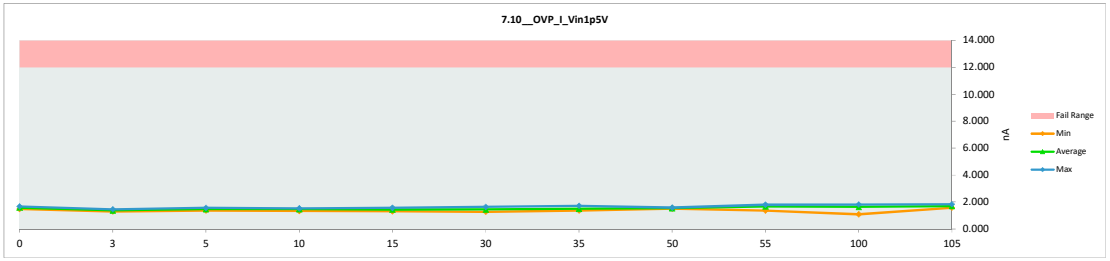
	7.10__OVP_I_Vin1p5V	
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	12	12
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	1.373	1.677	0.304
0	229	1.278	1.471	0.193
3	107	1.069	1.437	0.368
3	108	0.937	1.394	0.457
3	109	0.984	1.298	0.314
3	110	0.985	1.334	0.349
3	111	1.055	1.459	0.404
5	112	0.880	1.366	0.486
5	113	0.879	1.528	0.649
5	114	0.954	1.560	0.606
5	115	1.059	1.515	0.456
5	116	0.965	1.409	0.444
10	96	0.978	1.461	0.483
10	97	1.172	1.536	0.364
10	98	1.079	1.331	0.252
10	99	1.074	1.522	0.448
10	100	1.027	1.503	0.476
15	101	0.856	1.524	0.668
15	102	0.959	1.311	0.352
15	104	0.997	1.389	0.392
15	105	0.894	1.559	0.665
15	106	1.031	1.401	0.370
30	83	1.299	1.636	0.337
30	84	1.027	1.263	0.236
30	85	1.050	1.463	0.413
30	86	1.114	1.545	0.431
30	87	0.876	1.355	0.479
35	88	1.315	1.714	0.399
35	92	1.135	1.445	0.310
35	93	0.895	1.374	0.479
35	94	1.061	1.507	0.446
35	95	1.086	1.426	0.340
50	1	1.319	1.514	0.195
50	2	1.529	1.584	0.055
50	3	1.489	1.557	0.068
50	5	1.386	1.539	0.153
50	6	1.671	1.514	-0.157
55	7	1.337	1.799	0.462
55	8	1.370	1.684	0.314
55	9	1.304	1.363	0.059
55	10	1.395	1.753	0.358
55	11	1.422	1.745	0.323
100	29	1.522	1.777	0.255
100	30	1.392	1.624	0.232
100	31	1.359	1.603	0.244
100	32	1.273	1.737	0.464
100	34	1.296	1.466	0.170
100	35	1.326	1.665	0.339
100	36	1.530	1.583	0.053
100	38	1.414	1.561	0.147
100	39	1.419	1.577	0.158
100	41	1.235	1.748	0.513
100	42	1.604	1.601	-0.003
100	43	1.340	1.824	0.484
100	45	1.279	1.569	0.290
100	46	1.489	1.453	-0.036
100	47	1.306	1.684	0.378
100	48	1.541	1.083	-0.458
100	49	1.403	1.761	0.358
100	51	1.514	1.801	0.287
100	54	1.293	1.671	0.378
100	56	1.232	1.599	0.367
100	57	1.315	1.632	0.317
100	58	1.279	1.688	0.409
100	59	1.433	1.801	0.368
105	61	1.403	1.677	0.274
105	62	1.290	1.578	0.288
105	64	1.434	1.731	0.297
105	65	1.497	1.826	0.329
105	66	1.296	1.659	0.363
	Max	1.671	1.826	0.668
	Average	1.233	1.553	0.321
	Min	0.856	1.083	-0.458
	Std Dev	0.212	0.155	0.184



	7.10__OVP_I_Vin1p5V	
Test Site		
Tester		
Test Number		
Max Limit	12	nA
Min Limit		nA

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	1.471	1.298	1.366	1.331	1.311	1.263	1.374	1.514	1.363	1.083	1.578
Average	1.574	1.384	1.476	1.471	1.437	1.452	1.493	1.542	1.669	1.631	1.694
Max	1.677	1.459	1.560	1.536	1.559	1.636	1.714	1.584	1.799	1.824	1.826
UL	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000	12.000



HDR TID Report
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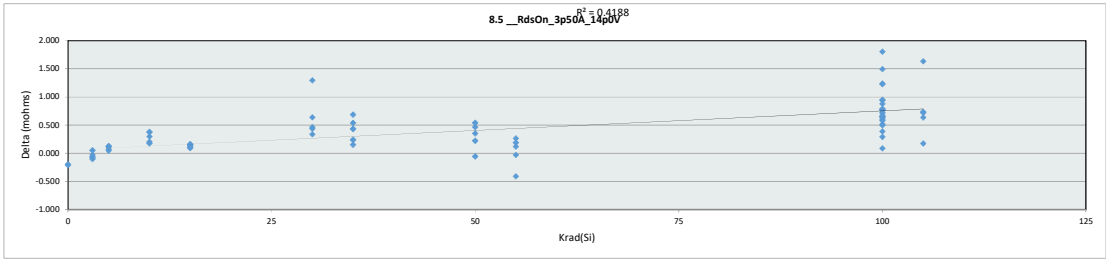
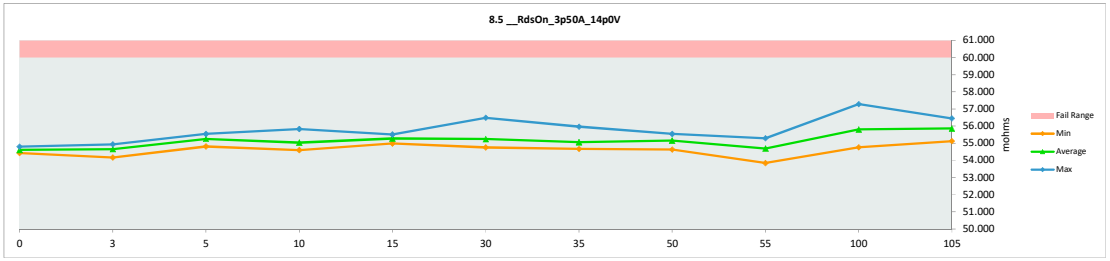
	8.5 __RdsOn_3p50A_14p0V	
Test Site		
Tester		
Test Number		
Unit	mohms	mohms
Max Limit	60	60
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	54.637	54.425	-0.212
0	229	54.998	54.804	-0.194
3	107	54.603	54.656	0.053
3	108	54.852	54.824	-0.028
3	109	54.803	54.701	-0.102
3	110	55.002	54.938	-0.064
3	111	54.239	54.169	-0.070
5	112	55.493	55.541	0.048
5	113	55.148	55.279	0.131
5	114	55.009	55.129	0.120
5	115	55.405	55.521	0.116
5	116	54.738	54.813	0.075
10	96	54.399	54.604	0.205
10	97	54.667	55.043	0.376
10	98	55.529	55.829	0.300
10	99	54.473	54.651	0.178
10	100	54.677	55.056	0.379
15	101	55.376	55.511	0.135
15	102	55.075	55.183	0.108
15	104	55.123	55.285	0.162
15	105	55.251	55.400	0.149
15	106	54.899	54.993	0.094
30	83	54.114	54.753	0.639
30	84	54.769	55.204	0.435
30	85	55.195	56.493	1.298
30	86	54.433	54.899	0.466
30	87	54.549	54.888	0.339
35	88	54.461	54.701	0.240
35	92	54.329	54.762	0.433
35	93	55.282	55.971	0.689
35	94	54.129	54.669	0.540
35	95	55.047	55.200	0.153
50	1	54.993	55.458	0.465
50	2	55.022	55.245	0.223
50	3	55.191	55.544	0.353
50	5	54.344	54.886	0.542
50	6	54.693	54.637	-0.056
55	7	54.281	54.252	-0.029
55	8	54.558	54.822	0.264
55	9	55.180	55.297	0.117
55	10	54.253	53.843	-0.410
55	11	55.055	55.245	0.190
100	29	54.677	54.767	0.090
100	30	55.321	55.612	0.291
100	31	55.335	55.968	0.633
100	32	54.637	55.294	0.657
100	34	54.722	55.439	0.717
100	35	55.844	56.615	0.771
100	36	54.824	55.704	0.880
100	38	54.737	55.407	0.670
100	39	55.370	56.131	0.761
100	41	54.307	55.535	1.228
100	42	55.103	55.619	0.516
100	43	55.477	57.284	1.807
100	45	54.637	55.217	0.580
100	46	54.964	55.755	0.791
100	47	55.153	55.751	0.598
100	48	55.250	56.032	0.782
100	49	55.013	55.403	0.390
100	51	55.100	55.746	0.646
100	54	55.022	56.260	1.238
100	56	55.425	56.921	1.496
100	57	54.852	55.805	0.953
100	58	55.075	55.573	0.498
100	59	54.740	55.677	0.937
105	61	55.044	55.763	0.719
105	62	55.435	56.072	0.637
105	64	54.814	56.450	1.636
105	65	55.195	55.930	0.735
105	66	54.949	55.124	0.175
	Max	55.844	57.284	1.807
	Average	54.904	55.343	0.438
	Min	54.114	53.843	-0.410
	Std Dev	0.380	0.639	0.438



	8.5 __RdsOn_3p50A_14p0V	
Test Site		
Tester		
Test Number		
Max Limit	60	mohms
Min Limit		mohms

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	54.425	54.169	54.813	54.604	54.993	54.753	54.669	54.637	53.843	54.767	55.124
Average	54.615	54.658	55.257	55.037	55.274	55.247	55.061	55.154	54.692	55.805	55.868
Max	54.804	54.938	55.541	55.829	55.511	56.493	55.971	55.544	55.297	57.284	56.450
UL	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000



HDR TID Report
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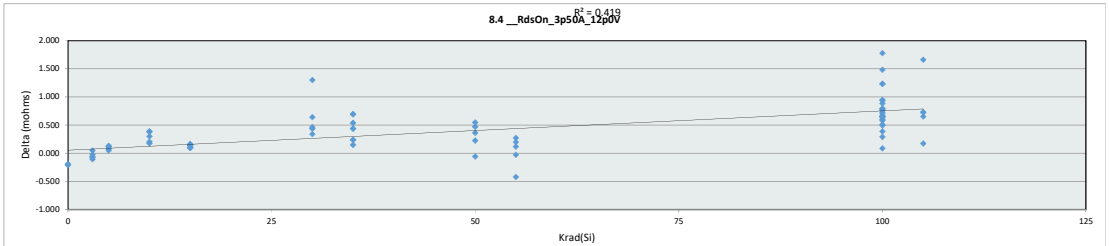
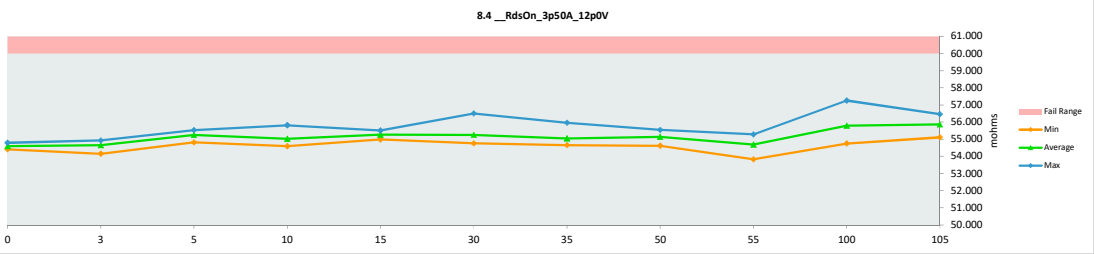
	8.4 __RdsOn_3p50A_12p0V	
Test Site		
Tester		
Test Number		
Unit	mohms	mohms
Max Limit	60	60
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	54.627	54.414	-0.213
0	229	54.987	54.793	-0.194
3	107	54.598	54.643	0.045
3	108	54.851	54.825	-0.026
3	109	54.812	54.706	-0.106
3	110	54.992	54.927	-0.065
3	111	54.225	54.155	-0.070
5	112	55.482	55.531	0.049
5	113	55.149	55.280	0.131
5	114	55.012	55.132	0.120
5	115	55.400	55.516	0.116
5	116	54.739	54.815	0.076
10	96	54.392	54.593	0.201
10	97	54.638	55.024	0.386
10	98	55.520	55.820	0.300
10	99	54.465	54.639	0.174
10	100	54.673	55.050	0.377
15	101	55.371	55.504	0.133
15	102	55.077	55.179	0.102
15	104	55.124	55.287	0.163
15	105	55.242	55.389	0.147
15	106	54.897	54.991	0.094
30	83	54.123	54.762	0.639
30	84	54.766	55.203	0.437
30	85	55.202	56.502	1.300
30	86	54.421	54.884	0.463
30	87	54.538	54.877	0.339
35	88	54.454	54.693	0.239
35	92	54.320	54.756	0.436
35	93	55.268	55.961	0.693
35	94	54.115	54.653	0.538
35	95	55.033	55.181	0.148
50	1	54.974	55.446	0.472
50	2	55.011	55.234	0.223
50	3	55.186	55.546	0.360
50	5	54.329	54.875	0.546
50	6	54.684	54.624	-0.060
55	7	54.263	54.236	-0.027
55	8	54.564	54.835	0.271
55	9	55.168	55.284	0.116
55	10	54.247	53.823	-0.424
55	11	55.052	55.250	0.198
100	29	54.666	54.753	0.087
100	30	55.316	55.607	0.291
100	31	55.338	55.982	0.644
100	32	54.625	55.265	0.640
100	34	54.724	55.440	0.716
100	35	55.834	56.607	0.773
100	36	54.818	55.703	0.885
100	38	54.736	55.407	0.671
100	39	55.364	56.124	0.760
100	41	54.307	55.539	1.232
100	42	55.095	55.606	0.511
100	43	55.481	57.259	1.778
100	45	54.622	55.202	0.580
100	46	54.954	55.741	0.787
100	47	55.149	55.747	0.598
100	48	55.236	56.032	0.796
100	49	55.001	55.390	0.389
100	51	55.103	55.754	0.651
100	54	55.010	56.242	1.232
100	56	55.423	56.904	1.481
100	57	54.850	55.798	0.948
100	58	55.063	55.557	0.494
100	59	54.736	55.673	0.937
105	61	55.048	55.771	0.723
105	62	55.421	56.073	0.652
105	64	54.803	56.465	1.662
105	65	55.194	55.925	0.731
105	66	54.938	55.111	0.173
Max		55.834	57.259	1.778
Average		54.898	55.336	0.438
Min		54.115	53.823	-0.424
Std Dev		0.381	0.640	0.438



	8.4 __RdsOn_3p50A_12p0V	
Test Site		
Tester		
Test Number		
Max Limit	60	mohms
Min Limit		mohms

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	54.414	54.155	54.815	54.593	54.991	54.762	54.653	54.624	53.823	54.753	55.111
Average	54.604	54.651	55.255	55.025	55.270	55.246	55.049	55.145	54.686	55.797	55.869
Max	54.793	54.927	55.531	55.820	55.504	56.502	55.961	55.546	55.284	57.259	56.465
UL	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000	60.000



HDR TID Report
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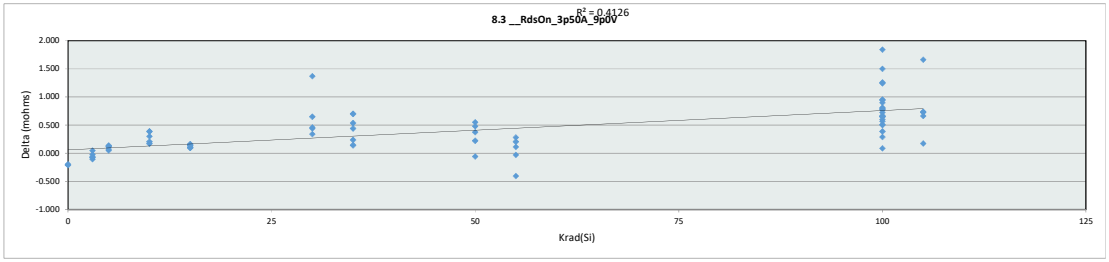
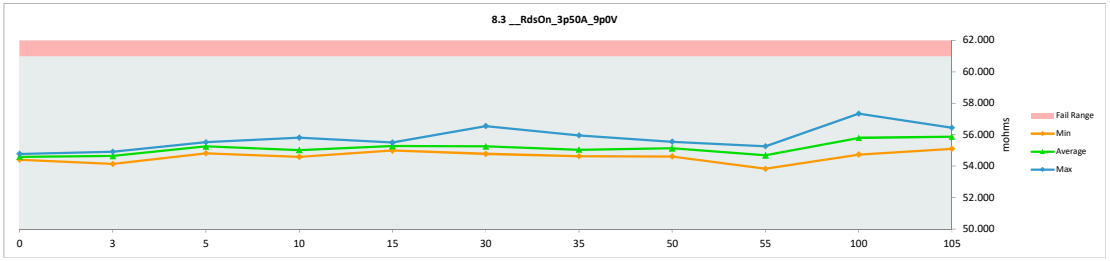
8.3 __RdsOn_3p50A_9p0V			
Test Site			
Tester			
Test Number			
Unit	mohms	mohms	
Max Limit	61	61	
Min Limit			

Krad(Si)	Serial #	PRE	POST	Delta
0	227	54.616	54.405	-0.211
0	229	54.974	54.778	-0.196
3	107	54.586	54.632	0.046
3	108	54.854	54.828	-0.026
3	109	54.821	54.715	-0.106
3	110	54.977	54.914	-0.063
3	111	54.209	54.136	-0.073
5	112	55.468	55.516	0.048
5	113	55.153	55.290	0.137
5	114	55.019	55.137	0.118
5	115	55.400	55.518	0.118
5	116	54.747	54.821	0.074
10	96	54.382	54.587	0.205
10	97	54.612	55.003	0.391
10	98	55.512	55.812	0.300
10	99	54.457	54.628	0.171
10	100	54.679	55.063	0.384
15	101	55.367	55.501	0.134
15	102	55.081	55.183	0.102
15	104	55.128	55.289	0.161
15	105	55.235	55.379	0.144
15	106	54.897	54.992	0.095
30	83	54.139	54.786	0.647
30	84	54.770	55.209	0.439
30	85	55.182	56.551	1.369
30	86	54.407	54.867	0.460
30	87	54.527	54.866	0.339
35	88	54.451	54.687	0.236
35	92	54.313	54.754	0.441
35	93	55.253	55.953	0.700
35	94	54.098	54.634	0.536
35	95	55.015	55.157	0.142
50	1	54.944	55.424	0.480
50	2	54.995	55.218	0.223
50	3	55.178	55.551	0.373
50	5	54.313	54.863	0.550
50	6	54.673	54.614	-0.059
55	7	54.245	54.215	-0.030
55	8	54.576	54.858	0.282
55	9	55.156	55.267	0.111
55	10	54.235	53.828	-0.407
55	11	55.052	55.256	0.204
100	29	54.648	54.736	0.088
100	30	55.311	55.599	0.288
100	31	55.341	55.991	0.650
100	32	54.610	55.257	0.647
100	34	54.730	55.453	0.723
100	35	55.822	56.604	0.782
100	36	54.814	55.711	0.897
100	38	54.738	55.409	0.671
100	39	55.360	56.130	0.770
100	41	54.311	55.553	1.242
100	42	55.087	55.597	0.510
100	43	55.499	57.340	1.841
100	45	54.604	55.171	0.567
100	46	54.940	55.732	0.792
100	47	55.146	55.744	0.598
100	48	55.223	56.034	0.811
100	49	54.991	55.376	0.385
100	51	55.116	55.766	0.650
100	54	54.994	56.250	1.256
100	56	55.430	56.930	1.500
100	57	54.849	55.802	0.953
100	58	55.049	55.550	0.501
100	59	54.734	55.677	0.943
105	61	55.057	55.785	0.728
105	62	55.404	56.066	0.662
105	64	54.786	56.449	1.663
105	65	55.187	55.925	0.738
105	66	54.928	55.102	0.174
Max		55.822	57.340	1.841
Average		54.891	55.335	0.443
Min		54.098	53.828	-0.407
Std Dev		0.382	0.648	0.445



8.3 __RdsOn_3p50A_9p0V		
Test Site		
Tester		
Test Number		
Max Limit	61	mohms
Min Limit		mohms

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	54.405	54.136	54.821	54.587	54.992	54.786	54.634	54.614	53.828	54.736	55.102
Average	54.592	54.645	55.256	55.019	55.269	55.256	55.037	55.134	54.685	55.801	55.865
Max	54.778	54.914	55.518	55.812	55.501	56.551	55.953	55.551	55.267	57.340	56.449
UL	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000



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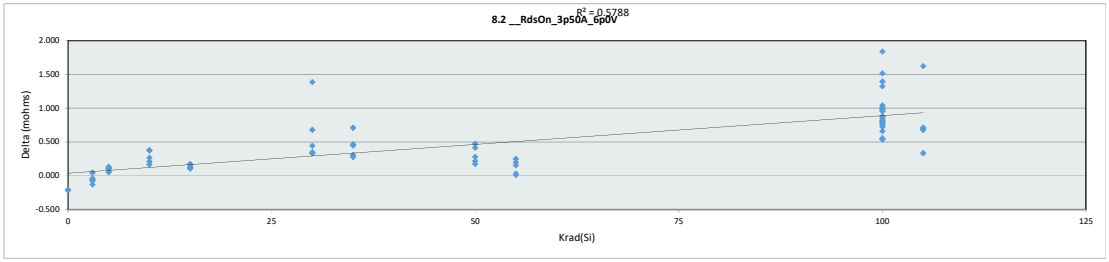
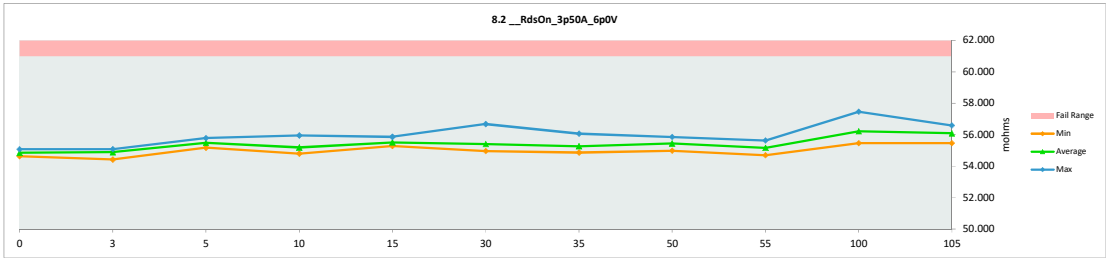
	8.2 __RdsOn_3p50A_6p0V	
Test Site		
Tester		
Test Number		
Unit	mohms	mohms
Max Limit	61	61
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	54.841	54.623	-0.218
0	229	55.277	55.073	-0.204
3	107	54.754	54.799	0.045
3	108	55.121	55.085	-0.036
3	109	55.188	55.058	-0.130
3	110	55.142	55.068	-0.074
3	111	54.478	54.418	-0.060
5	112	55.726	55.780	0.054
5	113	55.280	55.416	0.136
5	114	55.325	55.427	0.102
5	115	55.497	55.613	0.116
5	116	55.063	55.171	0.108
10	96	54.661	54.871	0.210
10	97	54.720	55.098	0.378
10	98	55.686	55.952	0.266
10	99	54.623	54.790	0.167
10	100	54.839	55.216	0.377
15	101	55.695	55.865	0.170
15	102	55.224	55.342	0.118
15	104	55.253	55.419	0.166
15	105	55.531	55.638	0.107
15	106	55.155	55.283	0.128
30	83	54.313	54.993	0.680
30	84	54.938	55.382	0.444
30	85	55.291	56.678	1.387
30	86	54.687	55.021	0.334
30	87	54.611	54.958	0.347
35	88	54.589	54.897	0.308
35	92	54.408	54.859	0.451
35	93	55.349	56.059	0.710
35	94	54.409	54.874	0.465
35	95	55.374	55.652	0.278
50	1	55.242	55.657	0.415
50	2	55.255	55.536	0.281
50	3	55.376	55.851	0.475
50	5	54.804	54.979	0.175
50	6	54.959	55.177	0.218
55	7	54.685	54.695	0.010
55	8	54.953	55.107	0.154
55	9	55.433	55.631	0.198
55	10	54.962	54.993	0.031
55	11	55.141	55.390	0.249
100	29	54.920	55.457	0.537
100	30	55.777	56.335	0.558
100	31	55.450	56.244	0.794
100	32	54.859	55.703	0.844
100	34	55.001	55.732	0.731
100	35	55.932	56.805	0.873
100	36	55.266	56.266	1.000
100	38	55.139	55.905	0.766
100	39	55.505	56.458	0.953
100	41	54.536	55.863	1.327
100	42	55.387	56.169	0.782
100	43	55.628	57.468	1.840
100	45	54.985	55.804	0.819
100	46	55.076	56.120	1.044
100	47	55.305	56.032	0.727
100	48	55.454	56.255	0.801
100	49	55.287	55.946	0.659
100	51	55.405	56.405	1.000
100	54	55.160	56.555	1.395
100	56	55.606	57.125	1.519
100	57	55.187	56.160	0.973
100	58	55.334	56.212	0.878
100	59	55.008	56.018	1.010
105	61	55.295	55.990	0.695
105	62	55.593	56.273	0.680
105	64	54.964	56.589	1.625
105	65	55.407	56.120	0.713
105	66	55.128	55.461	0.333
Max		55.932	57.468	1.840
Average		55.135	55.641	0.506
Min		54.313	54.418	-0.218
Std Dev		0.361	0.634	0.457



	8.2 __RdsOn_3p50A_6p0V	
Test Site		
Tester		
Test Number		
Max Limit	61	mohms
Min Limit		mohms

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	54.623	54.418	55.171	54.790	55.283	54.958	54.859	54.979	54.695	55.457	55.461
Average	54.848	54.886	55.481	55.185	55.509	55.406	55.268	55.440	55.163	56.219	56.087
Max	55.073	55.085	55.780	55.952	55.865	56.678	56.059	55.851	55.631	57.468	56.589
UL	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000	61.000



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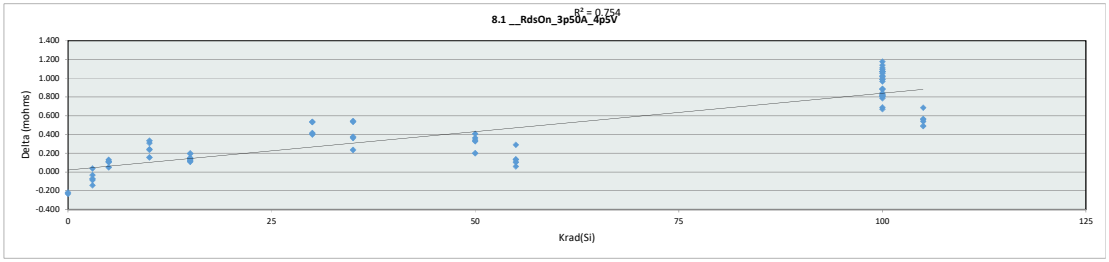
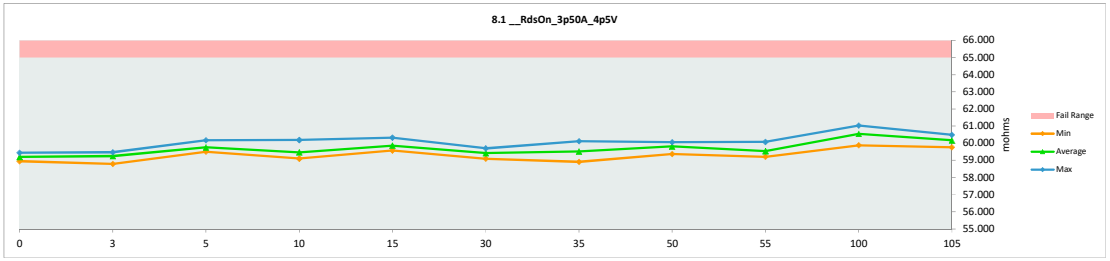
	8.1 __RdsOn_3p50A_4p5V	
Test Site		
Tester		
Test Number		
Unit	mohms	mohms
Max Limit	65	65
Min Limit		

Krad(Si)	Serial #	PRE	POST	Delta
0	227	59.183	58.951	-0.232
0	229	59.662	59.445	-0.217
3	107	59.087	59.124	0.037
3	108	59.509	59.476	-0.033
3	109	59.545	59.403	-0.142
3	110	59.556	59.470	-0.086
3	111	58.865	58.793	-0.072
5	112	60.123	60.174	0.051
5	113	59.567	59.698	0.131
5	114	59.666	59.779	0.113
5	115	59.548	59.653	0.105
5	116	59.392	59.506	0.114
10	96	59.052	59.289	0.237
10	97	58.983	59.292	0.309
10	98	59.950	60.194	0.244
10	99	58.951	59.108	0.157
10	100	59.116	59.450	0.334
15	101	60.128	60.325	0.197
15	102	59.458	59.580	0.122
15	104	59.564	59.701	0.137
15	105	59.952	60.061	0.109
15	106	59.510	59.659	0.149
30	83	58.563	59.099	0.536
30	84	59.290	59.701	0.411
30	85	59.071	59.604	0.533
30	86	58.996	59.396	0.400
30	87	58.937	59.353	0.416
35	88	58.903	59.278	0.375
35	92	58.677	58.913	0.236
35	93	59.476	60.019	0.543
35	94	58.733	59.270	0.537
35	95	59.754	60.119	0.365
50	1	59.634	59.998	0.364
50	2	59.624	59.953	0.329
50	3	59.658	60.066	0.408
50	5	59.168	59.368	0.200
50	6	59.329	59.669	0.340
55	7	59.105	59.210	0.105
55	8	59.391	59.524	0.133
55	9	59.787	60.077	0.290
55	10	59.322	59.457	0.135
55	11	59.383	59.442	0.059
100	29	59.359	60.165	0.806
100	30	60.212	61.032	0.820
100	31	59.819	60.622	0.803
100	32	59.192	60.036	0.844
100	34	59.337	60.163	0.826
100	35	60.280	60.951	0.671
100	36	59.671	60.742	1.071
100	38	59.510	60.526	1.016
100	39	59.883	60.908	1.025
100	41	58.892	59.882	0.990
100	42	59.737	60.704	0.967
100	43	59.475	60.261	0.786
100	45	59.325	60.420	1.095
100	46	59.455	60.526	1.071
100	47	59.702	60.585	0.883
100	48	59.804	60.494	0.690
100	49	59.680	60.567	0.887
100	51	59.806	60.984	1.178
100	54	59.532	60.585	1.053
100	56	59.876	60.864	0.988
100	57	59.598	60.738	1.140
100	58	59.715	60.826	1.111
100	59	59.385	60.200	0.815
105	61	59.692	60.378	0.686
105	62	59.928	60.496	0.568
105	64	59.223	59.762	0.539
105	65	59.746	60.306	0.560
105	66	59.461	59.952	0.491
	Max	60.280	61.032	1.178
	Average	59.464	59.933	0.469
	Min	58.563	58.793	-0.232
	Std Dev	0.370	0.582	0.384



	8.1 __RdsOn_3p50A_4p5V	
Test Site		
Tester		
Test Number		
Max Limit	65	mohms
Min Limit		mohms

Krad(Si)	0	3	5	10	15	30	35	50	55	100	105
LL											
Min	58.951	58.793	59.506	59.108	59.580	59.099	58.913	59.368	59.210	59.882	59.762
Average	59.198	59.253	59.762	59.467	59.865	59.431	59.520	59.811	59.542	60.556	60.179
Max	59.445	59.476	60.174	60.194	60.325	59.701	60.119	60.066	60.077	61.032	60.496
UL	65.000	65.000	65.000	65.000	65.000	65.000	65.000	65.000	65.000	65.000	65.000



7 Revision History

NOTE: Page numbers for previous revisions may differ from page numbers in the current version.

Changes from Revision D (July 2026) to Revision E (August 2026)	Page
• Removed all low dose rate data from publication	1

Changes from Revision C (June 2026) to Revision D (July 2026)	Page
• Removed LDR data	10

Changes from Revision B (June 2026) to Revision C (June 2026)	Page
• Changed all instances of SN54AC00-SP to TPS7H2211-SP	1

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