

TPS7H4102-SEP Total Ionizing Dose (TID) Report



ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for the Texas Instruments TPS74102-SEP, 3V to 7V input, 3A per channel, dual-channel, peak current mode, synchronous buck converter. The study was done to determine the TID effects under high dose rate (HDR) up to 50krad(Si). The results show that all samples passed within the specified limits up to 50krad(Si).

Table of Contents

1 Device Information	2
1.1 Product Description	2
1.2 Device Details	2
2 Total Dose Test Setup	3
2.1 Test Overview	3
2.2 Test Description and Facilities	3
2.3 Test Setup Details	3
2.4 Test Configuration and Condition	4
3 TID Characterization Test Results	5
3.1 TID Characterization Summary Results	5
3.2 Specification Compliance Matrix	5
4 Applicable and Reference Documents	8
4.1 Applicable Documents	8
4.2 Reference Documents	8
A Appendix: HDR TID Report Data	9
B Revision History	10

List of Figures

Figure 1-1. TPS7H4102-SEP Device	2
Figure 2-1. Bias Diagram Used in TID Exposure	3

List of Tables

Table 1-1. Device and Exposure Details	2
Table 2-1. HDR: 10krad(Si), 30krad (Si) and 50krad (Si)/s Biased Device Information	4
Table 2-2. HDR: 10krad(Si), 30krad (Si) and 50krad (Si)/s Unbiased Device Information	4
Table 3-1. Specification Compliance Matrix	5

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1 Device Information

1.1 Product Description

The TPS7H4102-SEP is an integrated, 7V, 3A per channel, dual-channel, peak current mode, synchronous buck converter designed for use in area sensitive, space environment applications. The device incorporates two identical channels that can be used to step down the power input voltage (PVIN) into two independent voltages up to 3A per phase or interleaved to increment the output current as needed, up to 6A.

Each channel incorporates the high and low side power MOSFETs with programmable soft-start and slope compensation. In addition, per channel powergood flag, and enable signals are provided.

Per Phase cycle-by-cycle current limiting on the high-side FET protects the device in overload situations and is enhanced by a low-side sourcing-sinking current protection which prevents current runaway. Thermal shutdown disables the device when the die temperature exceeds thermal limit.

The TPS7H4102-SEP is packaged in a 64-pin HTQFP plastic package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2320802PYE.

1.2 Device Details

[Table 1-1](#) lists the device information used in this TID HDR characterization.

Table 1-1. Device and Exposure Details

TID Exposure Details	
TI Device	TPS7H4102-SEP
TI Part Name	TPS7H4102PAPTSEP
Package	64-pin HTQFP (PAP)
Technology	LBC7
Quantity Tested	30
Lot Accept/Reject	All levels tested and passed up to 50krad(Si)
HDR Radiation Facility	Texas Instruments, Dallas, TX
HDR Dose Level	10krad(Si), 30krad(Si), 50krad(Si)
HDR Dose Rate	167rad(Si)/s
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	Ambient room temperature



Figure 1-1. TPS7H4102-SEP Device

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H4102-SEP was tested according to MIL-STD-883, Test Method 1019.9. For this testing, Condition A was used. The product was irradiated up to the target radiation level, and then put through full electrical parametric testing on the production Automated Test Equipment (ATE). All devices remained functional passing all parametric test limits.

2.2 Test Description and Facilities

The TPS7H4102-SEP HDR exposure was performed on biased and unbiased devices in a Co-60 gamma cell at the TI facility in Dallas, Texas. The unattenuated dose rate of this cell is 167rad(Si)/s. After exposure, the devices were packed in dry ice (per MIL-STD-883 Method 1019.9 section 3.10) and full post-radiation electrical evaluation using Texas Instruments ATE was conducted. ATE test limits are set per data sheet electrical limits based on qualification and characterization data. Post-radiation measurements were taken within 30 minutes of removing the devices from the dry ice container. The devices were allowed to reach room temperature prior to electrical post-radiation measurements.

2.3 Test Setup Details

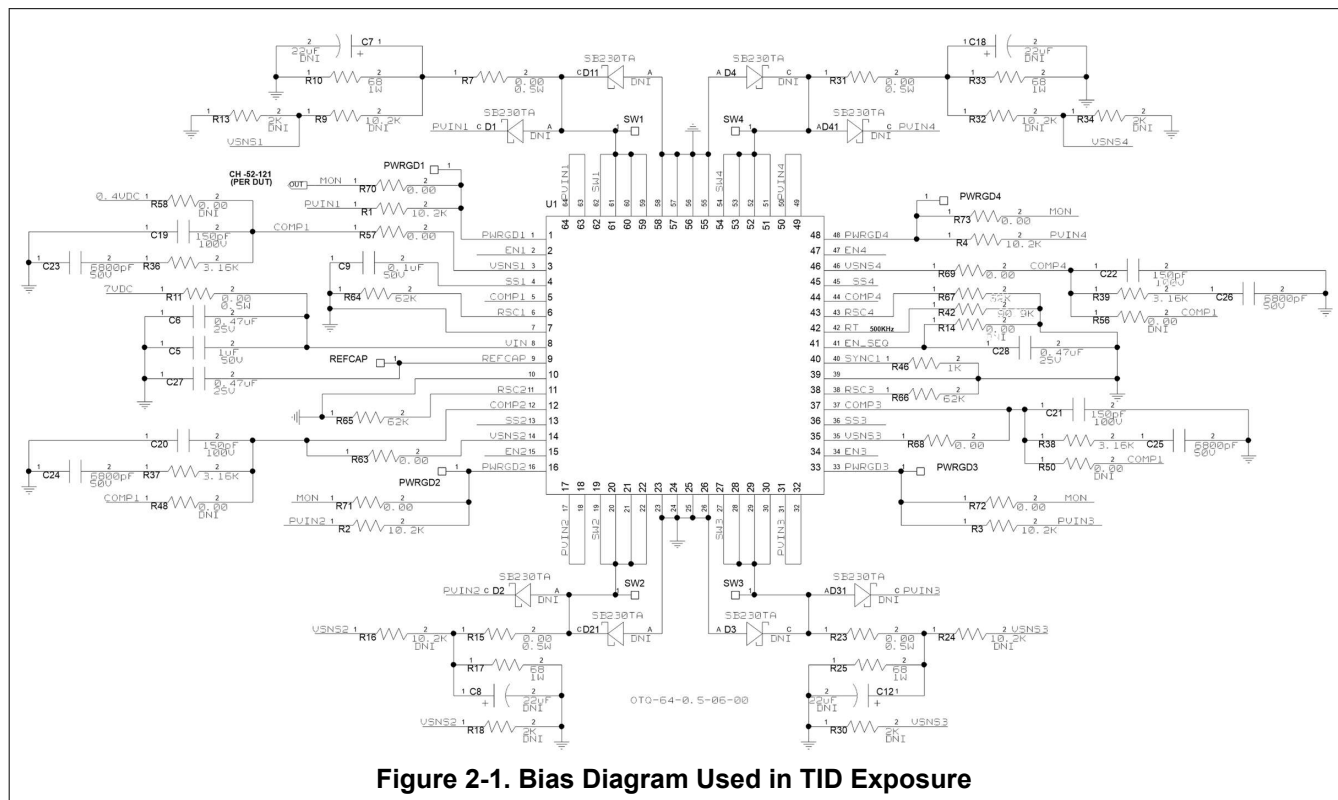
The devices under HDR exposure were tested in two conditions (biased and unbiased) as described in the following sections.

2.3.1 Unbiased

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

2.3.2 Biased

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



2.4 Test Configuration and Condition

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

Table 2-1. HDR: 10krad(Si), 30krad (Si) and 50krad (Si)/s Biased Device Information

Total Samples: 15		
Exposure Levels		
10krad(Si)	30krad(Si)	50krad(Si)
6, 7, 8, 9, 10	16, 17, 18, 19, 20	26, 27, 28, 29, 31

Table 2-2. HDR: 10krad(Si), 30krad (Si) and 50krad (Si)/s Unbiased Device Information

Total Samples: 15		
Exposure Levels		
10krad(Si)	30krad(Si)	50krad(Si)
1, 2, 3, 4, 5	11, 12, 13, 14, 15	21, 22, 23, 24, 25

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H4102-SEP passes up to 50krad(Si) HDR TID irradiation. The drifts of the electrical parameters through HDR were within the data sheet limits.

Overall, the TPS7H4102-SEP showed a strong degree of hardness to HDR TID irradiation up to 50krad(Si) for both biased and unbiased exposure conditions. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each dose level for both biased and unbiased. The electrical parameters after post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7H4104-SP Radiation-Hardness-Assured, 3V to 7V Input, 3A/Channel, Quad Channel Synchronous Step Down Converter](#) for the data sheet electrical parameters and associated tests.

See [Appendix A](#) for the HDR report up to 50krad(Si).

3.2 Specification Compliance Matrix

Over $3V \leq V_{IN} \leq 7V$, $PV_{INx} = V_{IN}$, REFCAP = 470nF, open loop configuration, over operating temperature range $T_A = -55^\circ\text{C}$ to 125°C , typical values are at $T_A = 25^\circ\text{C}$, valid for 2 phases, unless otherwise noted; includes group E radiation testing at $T_A = 25^\circ\text{C}$.

Table 3-1. Specification Compliance Matrix

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
POWER SUPPLIES AND CURRENTS								
V _{UVLOR_VIN}	VIN internal UVLO rising threshold	I _{OUTx} = 0A, V _{ENx} = 1V, PVIN = 5V		2.63	2.7	2.83	V	42.7, 42.8
V _{UVLOF_VIN}	VIN internal UVLO falling threshold	I _{OUTx} = 0A, V _{ENx} = 1V, PVIN = 5V		2.47	2.52	2.60		42.9, 42.10
V _{UVLOR_PVIN}	PVIN internal UVLO rising threshold	I _{OUTx} = 0A, V _{ENx} = 1V, VIN = 5V		2.37	2.44	2.58	V	42.1, 42.2
V _{UVLOF_PVIN}	PVIN internal UVLO falling threshold	I _{OUTx} = 0A, V _{ENx} = 1V, VIN = 5V		1.96	2	2.11		42.3, 42.4
I _{SHDN_VIN}	VIN shutdown supply current	V _{ENx} = 0V			6	8.5	mA	18.1, 19.1
I _{SHDN_PVIN}	PVIN shutdown supply current	V _{ENx} = 0V			2.3	4.3		18.2, 19.2
I _{Q_VIN}	VIN operating quiescent current (non switching)	V _{ENx} = 7V, VSNSx = 1V			6.7	15		18.3, 19.3
I _{Q_PVIN}	PVIN operating quiescent current (non switching)	V _{ENx} = 7V, VSNSx = 1V			2.1	3.7		18.4, 19.4
ENABLE and EN_SEQ								
V _{ENx_RISING}	Enable rising threshold (turn-on)	PVINx = VIN = 5V		0.573	0.606	0.645	V	33.2, 33.3, 34.2, 34.3
V _{ENx_FALLING}	Enable falling threshold (turn-off)	PVINx = VIN = 5V		0.473	0.500	0.532		33.4, 33.5, 34.4, 34.5
t _{ENx_VIN_RISING_PD}	Enable propagation delay when ENx and VIN are tied together.	VIN=ENx high to SW high			0.85	1.7	ms	35.1, 35.2, 36.1, 36.2
t _{ENx_RISING_PD}	Enable propagation delay	ENx high to SW high when VIN>V _{UVLOR_VIN} for at least 1.7ms			50	100	µs	35.3, 35.4, 36.3, 36.4
t _{ENx_FALLING_PD}	Disabled propagation delay	ENx low to SW high impedance			9.5	35		35.5, 35.6, 36.5, 36.6
I _{ENx_LKG}	Enable input leakage current	V _{ENx} = 7V			0.05	154	nA	34.8, 34.9
VOLTAGE REFERENCE								
V _{REFx}	Internal voltage reference (including error amplifier V _{IOx})	T _A = 25°C		591.5	599.48	603.5	mV	21.4, 21.5, 22.4, 22.5
V _{REFCAP}	REFCAP voltage			1.2	1.235	1.248	V	21.1, 22.1

Table 3-1. Specification Compliance Matrix (continued)

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
ERROR AMPLIFIER								
I _{VSNSx_LKG}	VSNSx input leakage current	VSNSx = 600mV, V _{COMP} = 1V				30	nA	38.1 to 38.2, 39.1, 39.2
gm _{EAx}	Error amplifier transconductance	-10μA < I _{COMP} < 10μA, V _{COMP} = 1V	T _A = 25°C	1153	1672	2191	μS	38.9, 38.10, 39.9, 39.10
EA _{x_ISRC}	Error amplifier source	V _{COMP} = 1V, ± 100mV input overdrive		88	137	200	μA	38.5, 38.6, 39.5, 39.6
EA _{x_ISNK}	Error amplifier sink			87	135	200		38.7, 38.8, 39.7, 39.8
gm _{PSx}	Power stage transconductance	V _{COMPx} = 500mV		5.78	8.35	10.46	S	68.9, 68.1, 69.9, 69.1
gm _{PSx_MATCHING}	Power stage transconductance matching across all phases	V _{COMPx} = 500mV			1%			68.11, 68.12, 69.11, 69.13,
OVERCURRENT PROTECTION								
I _{OC_HSx}	High-side switch overcurrent threshold	Slew rate = 25mA/μs		5.0	5.6	6.3	A	26.2, 26.3, 27.2, 27.3
I _{OC_LS_SOURCINGx}	Low-side switch overcurrent sourcing threshold			4.2	6	7.8	A	28.2, 28.3, 29.2, 29.3
I _{OC_LS_SINKINGx}	Low-side switch overcurrent sinking threshold			1.5	2.55	3.9	A	28.4, 28.5, 27.4, 27.5, 29.4, 29.5
COMPx _{CLAMP}	COMP voltage clamp			1.7	1.9	2.13	V	40.7, 40.8, 41.7, 41.8
SOFT START AND TRACKING								
I _{SS_TRx}	Soft start charge current	V _{SS_TRx} ≥ 90mV		1.4	2.28	2.83	μA	40.1, 40.2, 41.1, 41.2
R _{SS_TRx_DISCHARGE}	Soft start discharge pull-down resistor	V _{SS_TRx} = 110mV		230	364	513	Ω	40.3, 40.4, 41.3, 41.4
SS_TRx _{START_UP}	Maximum voltage on SS before startup				22	50	mV	40.5, 40.6, 41.5, 41.6
MINIMUM ON, OFF, AND DEAD TIME								
t _{ONx_MIN}	Minimum on time	10% of rising edge to 90% of falling edge of V _{SWx} , I _{OUT} = 400mA	V _{IN} = 3V	163	260	ns	45.1, 45.2	
			V _{IN} = 5V	182	270		46.1, 46.2	
			V _{IN} = 7V	216	320		47.1, 47.2	
SWITCHING FREQUENCY AND SYNCHRONIZATION								
f _{SW}	RT programmed switching frequency	RRT = 511kΩ		97	103	120	kHz	32.2, 75.2
		RRT = 90.9kΩ		446	502	564		32.3, 75.3
		RRT = 37.4kΩ		812	1040	1280		32.4, 75.4
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 3V			221	314	ns	72.7, 72.8

Table 3-1. Specification Compliance Matrix (continued)

Parameter		Test Conditions		MIN		TYP		MAX		UNIT	Test Number
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 5V			194		240		ns	73.1, 73.2	
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 7V			184		238		ns	74.7, 74.8	
V _{SYNC_VIH}	SYNC input high	V _{IN} = 3V		1.4				V	72.9		
		V _{IN} = 5V		1.8					73.3		
		V _{IN} = 7V		2					74.9		
V _{SYNC_VIL}	SYNC input low			0.8				V	72.1, 74.1		
DSYNC	SYNC input duty cycle range	external clock duty cycle		40%		60%			72.13, 74.13		
tCLK_I_E	Internal clock to external clock detection time			1		3		× T _{SW}	72.18, 74.18		
tCLK_E_I	External clock to internal clock detection time	RT populated		2		6		× T _{SYNC}	72.14, 72.15, 74.14, 74.15		
POWER GOOD											
PWRGD _{XUV_FAULT}	V _{SENSE} falling threshold (fault)			89%		91%		92%			30.3, 30.4, 31.3, 31.4
PWRGD _{XUV_GOOD}	V _{SENSE} rising threshold (good)			92%		94%		96%			30.5, 30.6, 31.5, 31.6
PWRGD _{XOV_FAULT}	V _{SENSE} rising threshold (fault)			107%		109%		111%			30.7, 30.8, 31.7, 31.8
PWRGD _{XOV_GOOD}	V _{SENSE} falling threshold (good)			103%		106%		109%			30.9, 30.10, 31.9, 31.10
I _{PWRGDx_LKG}	Output open high leakage	V _{SENSEx} = V _{REFx} , V _{PWRGD} = 7V		2		520		nA	31.11, 31.12		
V _{PWRGDx_VOL}	Power good output low	I _{PWRGD_SINK} ≤ 2mA		310		400		mV	30.1, 30.2, 31.1, 31.2		
V _{IN_MIN_PWRGDx}	Minimum VIN for valid PWRGD output	Measured when V _{PWRGD} ≤ 0.5V at 100μA		0.6		1		V	30.13, 30.14		
MOSFET											
R _{DS_ON_HSx}	High-side switch resistance	PVIN = VIN = 3V, I _{OUTx} = 500mA	T _A = 25°C	70		88		mΩ	48.1 to 48.2		
		PVIN = VIN = 5V, I _{OUTx} = 500mA	T _A = 25°C	62		80			49.1 to 49.2		
		PVIN = VIN = 7V, I _{OUTx} = 500mA	T _A = 25°C	59		76			50.1 to 50.2		
R _{DS_ON_LSx}	Low-side switch resistance	PVIN = VIN = 3V, I _{OUTx} = 500mA	T _A = 25°C	58		68		mΩ	51.1 to 51.2		
		PVIN = VIN = 5V, I _{OUTx} = 500mA	T _A = 25°C	55		64			52.1 to 52.2		
		PVIN = VIN = 7V, I _{OUTx} = 500mA	T _A = 25°C	54		63			53.1 to 53.2		

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H4104-SP Radiation-Hardness-Assured, 3V to 7V Input , 3A/Channel, Quad Channel Synchronous Step Down Converter](#), data sheet

4.2 Reference Documents

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

A Appendix: HDR TID Report Data

This appendix contains the HDR TID report data.

TID HDR Report
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

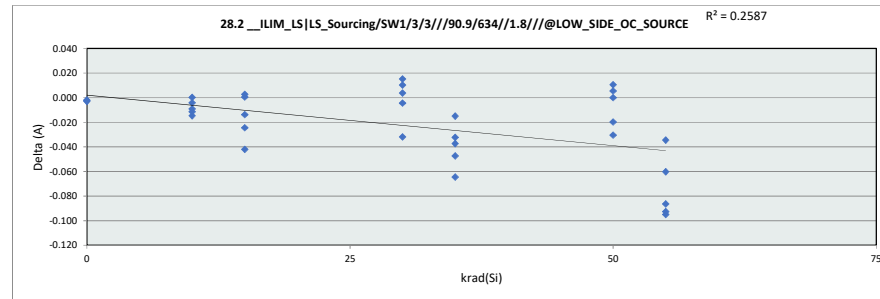
TID HDR Report

TPS7H4102-SEP

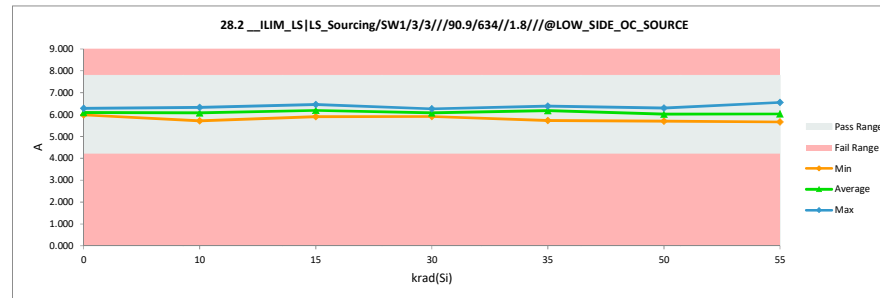
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

Test Site	28.2_ILIM_LS LS_Sourcing/SW1/3/3//90.9	
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.008	6.011	-0.003
0	98	5.981	5.984	-0.002
0	99	6.280	6.282	-0.002
10	1	5.701	5.713	-0.012
10	2	6.021	6.021	0.000
10	3	6.056	6.061	-0.004
10	4	6.316	6.325	-0.009
10	5	6.256	6.271	-0.015
15	6	6.226	6.251	-0.024
15	7	6.184	6.181	0.003
15	8	6.459	6.458	0.001
15	9	6.121	6.163	-0.042
15	10	5.887	5.901	-0.014
30	11	5.881	5.913	-0.032
30	12	6.109	6.105	0.004
30	13	6.116	6.106	0.010
30	14	6.024	6.008	0.015
30	15	6.259	6.263	-0.004
35	16	6.356	6.389	-0.032
35	17	6.277	6.292	-0.015
35	18	6.106	6.143	-0.037
35	19	5.663	5.727	-0.064
35	20	6.311	6.359	-0.047
50	21	5.765	5.785	-0.020
50	22	5.666	5.696	-0.030
50	23	6.301	6.301	0.000
50	24	6.119	6.108	0.011
50	25	6.206	6.201	0.005
55	26	6.034	6.094	-0.060
55	27	5.628	5.663	-0.035
55	28	6.466	6.553	-0.086
55	29	5.628	5.721	-0.093
55	31	6.011	6.106	-0.095
Max		6.466	6.553	0.015
Average		6.073	6.096	-0.022
Min		5.628	5.663	-0.095
Std Dev		0.239	0.233	0.030



	28.2_ILIM_LS LS_Sourcing/						
Test Site							
Tester							
Test Number							
Max Limit	7.792	A					
Min Limit	4.208	A					
krad(Si)	0	10	15	30	35	50	55
LL	4.208	4.208	4.208	4.208	4.208	4.208	4.208
Min	5.984	5.713	5.901	5.913	5.728	5.696	5.663
Average	6.092	6.078	6.191	6.079	6.182	6.018	6.027
Max	6.282	6.325	6.458	6.263	6.389	6.301	6.553
UL	7.792	7.792	7.792	7.792	7.792	7.792	7.792

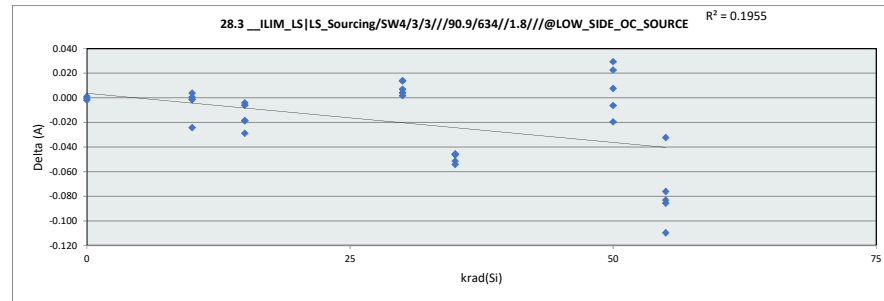


TID HDR Report

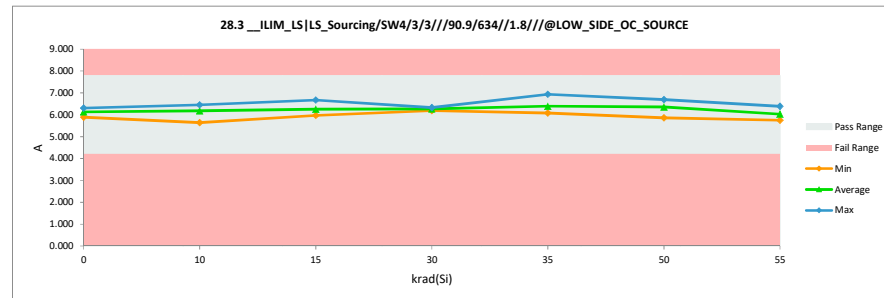
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

28.3 __ILIM_LS LS_Sourcing/SW4/3/3//90.9				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.8	7.792		
Min Limit	4.2	4.208		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.200	6.199	0.001
0	98	6.302	6.304	-0.002
0	99	5.885	5.886	-0.001
10	1	6.230	6.229	0.001
10	2	6.195	6.192	0.004
10	3	6.453	6.454	-0.001
10	4	6.395	6.397	-0.002
10	5	5.617	5.641	-0.024
15	6	6.403	6.432	-0.029
15	7	5.950	5.969	-0.019
15	8	6.663	6.669	-0.006
15	9	6.098	6.117	-0.019
15	10	6.093	6.097	-0.004
30	11	6.328	6.326	0.002
30	12	6.193	6.186	0.007
30	13	6.286	6.282	0.004
30	14	6.242	6.229	0.014
30	15	6.338	6.324	0.014
35	16	6.230	6.276	-0.046
35	17	6.128	6.174	-0.046
35	18	6.888	6.935	-0.046
35	19	6.025	6.076	-0.051
35	20	6.430	6.484	-0.054
50	21	5.850	5.856	-0.006
50	22	6.289	6.281	0.008
50	23	6.531	6.502	0.029
50	24	6.484	6.461	0.023
50	25	6.673	6.693	-0.020
55	26	5.663	5.746	-0.083
55	27	5.733	5.818	-0.086
55	28	6.311	6.387	-0.076
55	29	5.877	5.909	-0.032
55	31	6.170	6.279	-0.110
Max		6.888	6.935	0.029
Average		6.217	6.237	-0.020
Min		5.617	5.641	-0.110
Std Dev		0.288	0.280	0.034



28.3 __ILIM_LS LS_Sourcing/							
Test Site							
Tester							
Test Number							
Max Limit	7.792	A					
Min Limit	4.208	A					
krad(Si)	0	10	15	30	35	50	55
LL	4.208	4.208	4.208	4.208	4.208	4.208	4.208
Min	5.886	5.641	5.969	6.186	6.076	5.856	5.746
Average	6.130	6.183	6.257	6.270	6.389	6.359	6.028
Max	6.304	6.454	6.669	6.326	6.935	6.693	6.387
UL	7.792	7.792	7.792	7.792	7.792	7.792	7.792

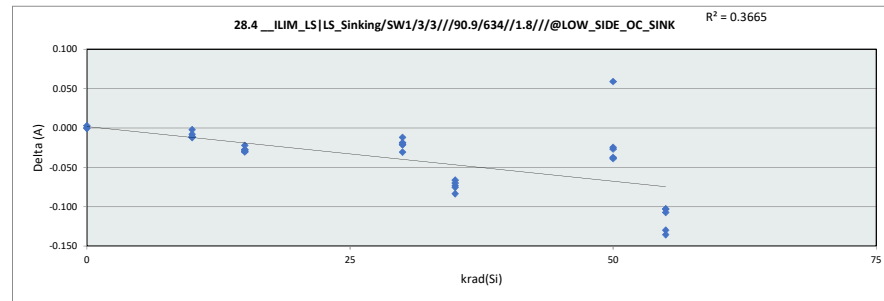


TID HDR Report

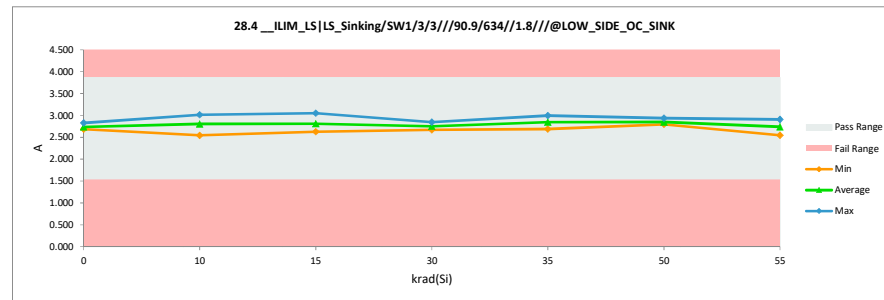
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

28.4 __ILIM_LS LS_Sinking/SW1/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.867		
Min Limit	1.5	1.533		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.704	2.701	0.003
0	98	2.684	2.685	-0.001
0	99	2.827	2.827	0.000
10	1	2.531	2.544	-0.012
10	2	2.799	2.801	-0.002
10	3	2.832	2.843	-0.011
10	4	3.005	3.013	-0.008
10	5	2.814	2.825	-0.011
15	6	2.708	2.736	-0.028
15	7	2.873	2.904	-0.031
15	8	3.028	3.050	-0.022
15	9	2.700	2.728	-0.028
15	10	2.597	2.627	-0.030
30	11	2.648	2.669	-0.021
30	12	2.826	2.845	-0.019
30	13	2.661	2.682	-0.021
30	14	2.707	2.737	-0.031
30	15	2.799	2.811	-0.012
35	16	2.924	2.997	-0.073
35	17	2.770	2.837	-0.066
35	18	2.658	2.733	-0.075
35	19	2.619	2.689	-0.070
35	20	2.891	2.975	-0.084
50	21	2.770	2.796	-0.027
50	22	2.788	2.827	-0.039
50	23	2.997	2.938	0.059
50	24	2.813	2.838	-0.025
50	25	2.807	2.844	-0.037
55	26	2.581	2.684	-0.103
55	27	2.612	2.716	-0.103
55	28	2.771	2.906	-0.135
55	29	2.437	2.544	-0.107
55	31	2.716	2.845	-0.130
Max		3.028	3.050	0.059
Average		2.754	2.794	-0.039
Min		2.437	2.544	-0.135
Std Dev		0.135	0.125	0.043



28.4 __ILIM_LS LS_Sinking/S							
Test Site							
Tester							
Test Number							
Max Limit	3.867	A					
Min Limit	1.533	A					
krad(Si)	0	10	15	30	35	50	55
LL	1.533	1.533	1.533	1.533	1.533	1.533	1.533
Min	2.685	2.544	2.627	2.669	2.689	2.797	2.544
Average	2.738	2.805	2.809	2.749	2.846	2.849	2.739
Max	2.827	3.013	3.051	2.845	2.997	2.938	2.906
UL	3.867	3.867	3.867	3.867	3.867	3.867	3.867

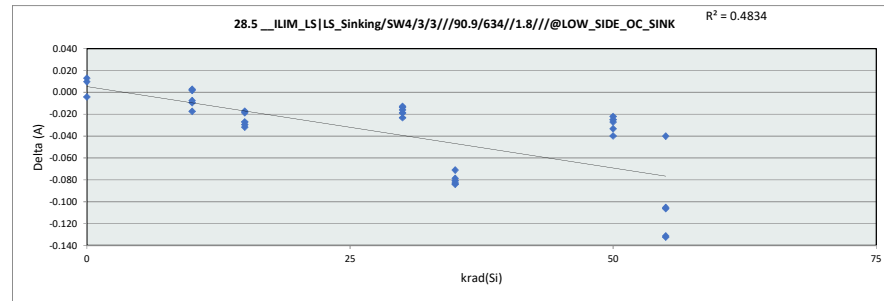


TID HDR Report

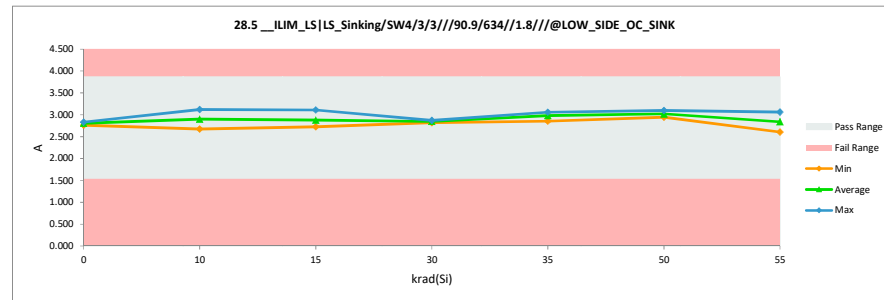
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

28.5 __ILIM_LS LS_Sinking/SW4/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.844	2.831	0.013
0	98	2.772	2.762	0.010
0	99	2.817	2.821	-0.004
10	1	2.678	2.675	0.003
10	2	2.850	2.849	0.002
10	3	2.922	2.939	-0.017
10	4	3.112	3.119	-0.008
10	5	2.906	2.915	-0.010
15	6	2.779	2.808	-0.030
15	7	2.900	2.918	-0.017
15	8	3.092	3.111	-0.019
15	9	2.809	2.840	-0.032
15	10	2.697	2.724	-0.027
30	11	2.834	2.848	-0.014
30	12	2.824	2.848	-0.023
30	13	2.854	2.870	-0.016
30	14	2.833	2.852	-0.019
30	15	2.807	2.819	-0.013
35	16	2.944	3.028	-0.084
35	17	2.819	2.900	-0.081
35	18	2.984	3.056	-0.071
35	19	2.771	2.854	-0.083
35	20	2.980	3.059	-0.079
50	21	2.983	3.023	-0.040
50	22	2.916	2.943	-0.027
50	23	3.074	3.099	-0.025
50	24	3.027	3.060	-0.033
50	25	2.946	2.968	-0.022
55	26	2.500	2.606	-0.106
55	27	2.636	2.742	-0.105
55	28	2.912	3.044	-0.131
55	29	2.692	2.733	-0.040
55	31	2.927	3.059	-0.132
Max		3.112	3.119	0.013
Average		2.862	2.901	-0.039
Min		2.500	2.606	-0.132
Std Dev		0.133	0.134	0.040



28.5 __ILIM_LS LS_Sinking/S							
Test Site							
Tester							
Test Number							
Max Limit	3.867		A				
Min Limit	1.533		A				
krad(Si)	0	10	15	30	35	50	55
LL	1.533	1.533	1.533	1.533	1.533	1.533	1.533
Min	2.762	2.675	2.724	2.820	2.854	2.943	2.606
Average	2.805	2.900	2.880	2.847	2.979	3.019	2.837
Max	2.831	3.119	3.111	2.870	3.059	3.099	3.060
UL	3.867	3.867	3.867	3.867	3.867	3.867	3.867

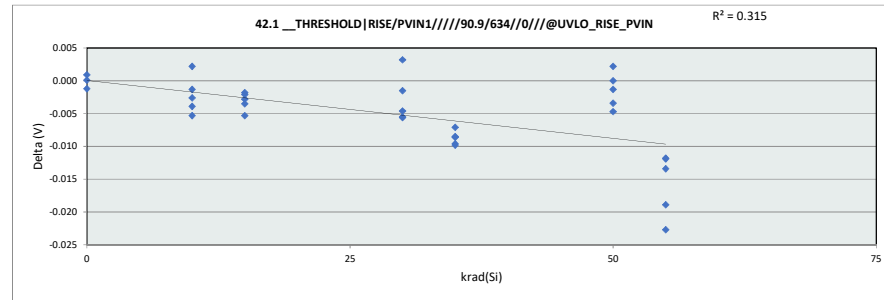


TID HDR Report

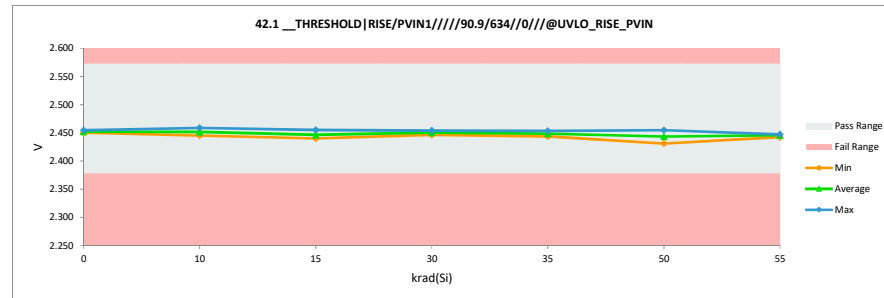
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.1 __THRESHOLD RISE/PVIN1/////90.9/634				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.572		
Min Limit	2.37	2.378		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.453	2.455	-0.001
0	98	2.451	2.451	0.000
0	99	2.451	2.450	0.001
10	1	2.450	2.454	-0.004
10	2	2.449	2.454	-0.005
10	3	2.456	2.459	-0.003
10	4	2.445	2.446	-0.001
10	5	2.447	2.445	0.002
15	6	2.447	2.449	-0.002
15	7	2.436	2.441	-0.005
15	8	2.445	2.447	-0.002
15	9	2.437	2.440	-0.003
15	10	2.451	2.455	-0.003
30	11	2.444	2.450	-0.006
30	12	2.445	2.447	-0.002
30	13	2.445	2.451	-0.006
30	14	2.449	2.454	-0.005
30	15	2.455	2.452	0.003
35	16	2.439	2.446	-0.007
35	17	2.438	2.447	-0.009
35	18	2.434	2.444	-0.010
35	19	2.444	2.453	-0.010
35	20	2.443	2.452	-0.009
50	21	2.445	2.443	0.002
50	22	2.440	2.443	-0.003
50	23	2.441	2.446	-0.005
50	24	2.454	2.455	-0.001
50	25	2.431	2.431	0.000
55	26	2.434	2.446	-0.012
55	27	2.434	2.447	-0.013
55	28	2.428	2.447	-0.019
55	29	2.431	2.443	-0.012
55	31	2.424	2.447	-0.023
Max		2.456	2.459	0.003
Average		2.443	2.448	-0.005
Min		2.424	2.431	-0.023
Std Dev		0.008	0.006	0.006



42.1 __THRESHOLD RISE/PVIN1/////90.9/634							
Test Site							
Tester							
Test Number							
Max Limit	2.572	V					
Min Limit	2.378	V					
krad(Si)	0	10	15	30	35	50	55
LL	2.378	2.378	2.378	2.378	2.378	2.378	2.378
Min	2.450	2.445	2.440	2.447	2.444	2.441	2.443
Average	2.452	2.452	2.447	2.451	2.448	2.444	2.446
Max	2.455	2.459	2.455	2.454	2.453	2.455	2.447
UL	2.572	2.572	2.572	2.572	2.572	2.572	2.572

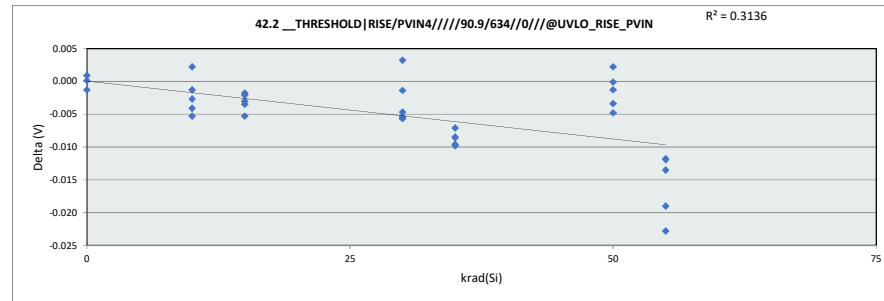


TID HDR Report

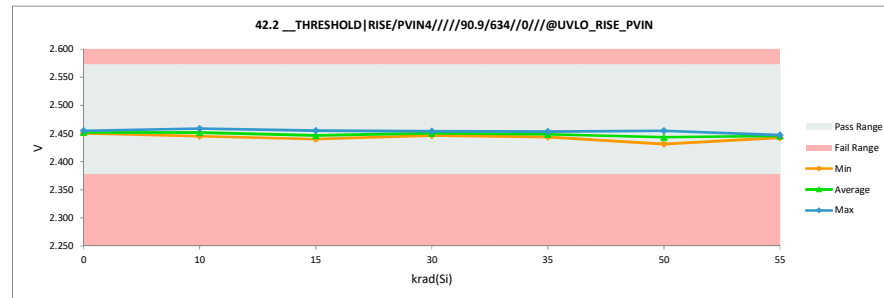
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.2 __THRESHOLD RISE/PVIN4/////90.9/634				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.572		
Min Limit	2.37	2.378		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.453	2.455	-0.001
0	98	2.451	2.451	0.000
0	99	2.451	2.450	0.001
10	1	2.450	2.454	-0.004
10	2	2.449	2.454	-0.005
10	3	2.456	2.459	-0.003
10	4	2.445	2.446	-0.001
10	5	2.447	2.445	0.002
15	6	2.447	2.449	-0.002
15	7	2.436	2.441	-0.005
15	8	2.445	2.447	-0.002
15	9	2.437	2.440	-0.003
15	10	2.451	2.455	-0.003
30	11	2.444	2.450	-0.006
30	12	2.445	2.447	-0.001
30	13	2.445	2.450	-0.005
30	14	2.449	2.454	-0.005
30	15	2.455	2.452	0.003
35	16	2.439	2.446	-0.007
35	17	2.438	2.447	-0.009
35	18	2.434	2.444	-0.010
35	19	2.444	2.453	-0.010
35	20	2.443	2.452	-0.009
50	21	2.445	2.443	0.002
50	22	2.440	2.443	-0.003
50	23	2.441	2.446	-0.005
50	24	2.454	2.455	-0.001
50	25	2.431	2.431	0.000
55	26	2.434	2.446	-0.012
55	27	2.434	2.447	-0.013
55	28	2.428	2.447	-0.019
55	29	2.431	2.443	-0.012
55	31	2.424	2.447	-0.023
Max		2.456	2.459	0.003
Average		2.443	2.448	-0.005
Min		2.424	2.431	-0.023
Std Dev		0.008	0.005	0.006



42.2 __THRESHOLD RISE/PVIN4/////90.9/634							
Test Site							
Tester							
Test Number							
Max Limit	2.572	V					
Min Limit	2.378	V					
krad(Si)	0	10	15	30	35	50	55
LL	2.378	2.378	2.378	2.378	2.378	2.378	2.378
Min	2.450	2.445	2.440	2.447	2.444	2.431	2.443
Average	2.452	2.452	2.447	2.451	2.448	2.444	2.446
Max	2.455	2.459	2.455	2.454	2.453	2.455	2.447
UL	2.572	2.572	2.572	2.572	2.572	2.572	2.572



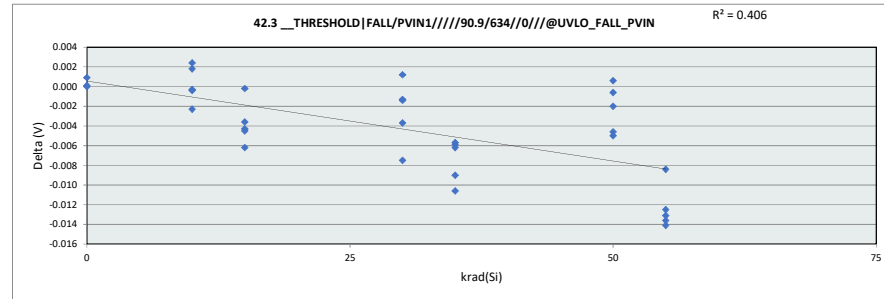
TID HDR Report

TPS7H4102-SEP

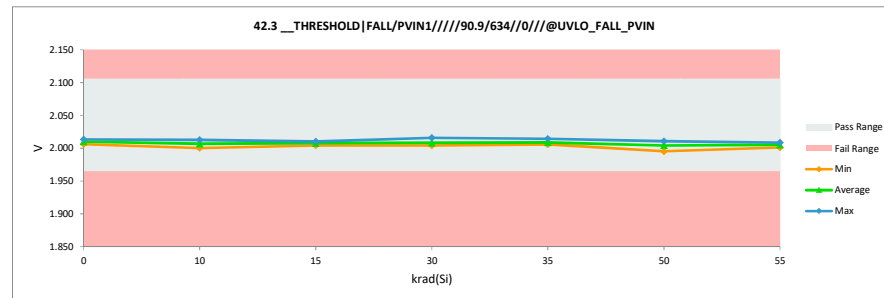
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

Test Site	42.3 __THRESHOLD FALL/PVIN1/////90.9/63	
Tester		
Test Number		
Unit	V	V
Max Limit	2.11	2.105
Min Limit	1.96	1.965

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.010	2.010	0.000
0	98	2.014	2.013	0.001
0	99	2.006	2.006	0.000
10	1	2.010	2.008	0.002
10	2	2.009	2.009	0.000
10	3	2.012	2.013	0.000
10	4	2.002	2.005	-0.002
10	5	2.003	2.000	0.002
15	6	2.005	2.009	-0.004
15	7	2.002	2.008	-0.006
15	8	2.007	2.010	-0.004
15	9	2.000	2.004	-0.005
15	10	2.007	2.008	0.000
30	11	2.003	2.004	-0.001
30	12	2.001	2.004	-0.004
30	13	2.000	2.007	-0.008
30	14	2.011	2.010	0.001
30	15	2.015	2.016	-0.001
35	16	2.000	2.009	-0.009
35	17	2.008	2.014	-0.006
35	18	1.995	2.006	-0.011
35	19	2.003	2.009	-0.006
35	20	2.000	2.006	-0.006
50	21	2.007	2.008	-0.001
50	22	2.002	2.004	-0.002
50	23	2.004	2.004	0.001
50	24	2.006	2.011	-0.005
50	25	1.990	1.995	-0.005
55	26	1.992	2.005	-0.013
55	27	1.994	2.009	-0.014
55	28	2.000	2.008	-0.008
55	29	1.992	2.004	-0.013
55	31	1.988	2.001	-0.014
Max		2.015	2.016	0.002
Average		2.003	2.007	-0.004
Min		1.988	1.995	-0.014
Std Dev		0.007	0.004	0.005



	42.3 THRESHOLD FALL/PVIN1						
Test Site							
Tester							
Test Number							
Max Limit	2.105	V					
Min Limit	1.965	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.965	1.965	1.965	1.965	1.965	1.965	1.965
Min	2.006	2.000	2.004	2.004	2.006	1.995	2.001
Average	2.010	2.007	2.008	2.008	2.009	2.004	2.005
Max	2.014	2.013	2.010	2.016	2.014	2.011	2.009
UL	2.105	2.105	2.105	2.105	2.105	2.105	2.105



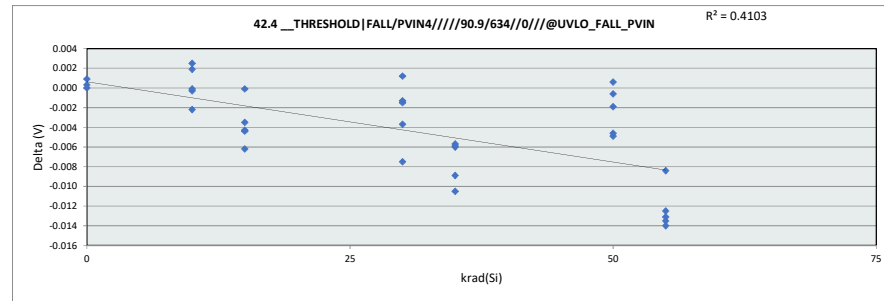
TID HDR Report

TPS7H4102-SEP

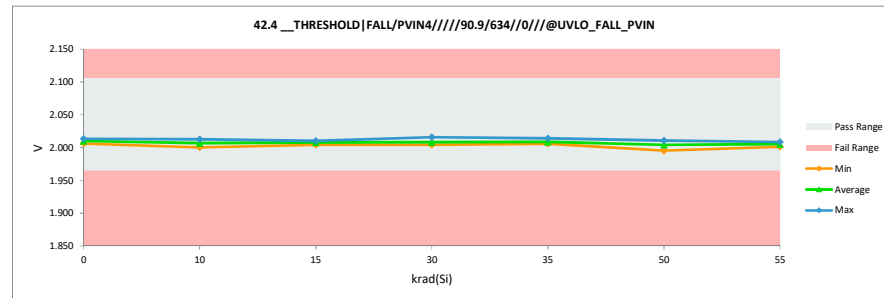
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.4 __THRESHOLD FALL/PVIN4/////90.9/63		
Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.11	2.105
Min Limit	1.96	1.965

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.010	2.010	0.000
0	98	2.014	2.013	0.001
0	99	2.006	2.006	0.000
10	1	2.010	2.008	0.002
10	2	2.009	2.009	0.000
10	3	2.013	2.013	0.000
10	4	2.002	2.004	-0.002
10	5	2.003	2.000	0.003
15	6	2.005	2.009	-0.004
15	7	2.002	2.008	-0.006
15	8	2.007	2.010	-0.003
15	9	2.000	2.004	-0.004
15	10	2.008	2.008	0.000
30	11	2.003	2.004	-0.002
30	12	2.001	2.004	-0.004
30	13	2.000	2.007	-0.008
30	14	2.011	2.010	0.001
30	15	2.015	2.016	-0.001
35	16	2.000	2.009	-0.009
35	17	2.008	2.014	-0.006
35	18	1.995	2.006	-0.010
35	19	2.003	2.009	-0.006
35	20	2.000	2.006	-0.006
50	21	2.007	2.008	-0.001
50	22	2.002	2.004	-0.002
50	23	2.004	2.004	0.001
50	24	2.006	2.011	-0.005
50	25	1.990	1.995	-0.005
55	26	1.992	2.005	-0.013
55	27	1.994	2.008	-0.014
55	28	2.000	2.008	-0.008
55	29	1.992	2.004	-0.013
55	31	1.988	2.001	-0.013
Max		2.015	2.016	0.003
Average		2.003	2.007	-0.004
Min		1.988	1.995	-0.014
Std Dev		0.007	0.004	0.005



42.4 __THRESHOLD FALL/PVIN4/////90.9/634//0///@UVLO_FALL_PVIN							
Test Site							
Tester							
Test Number							
Max Limit	2.105	V					
Min Limit	1.965	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.965	1.965	1.965	1.965	1.965	1.965	1.965
Min	2.006	2.000	2.004	2.004	2.006	1.995	2.001
Average	2.010	2.007	2.008	2.008	2.009	2.004	2.005
Max	2.014	2.013	2.010	2.016	2.014	2.011	2.008
UL	2.105	2.105	2.105	2.105	2.105	2.105	2.105



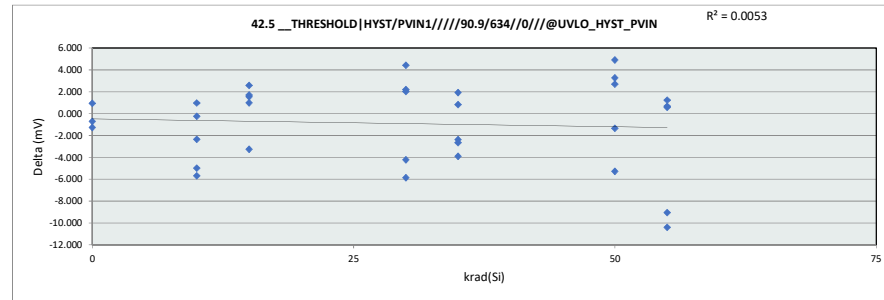
TID HDR Report

TPS7H4102-SEP

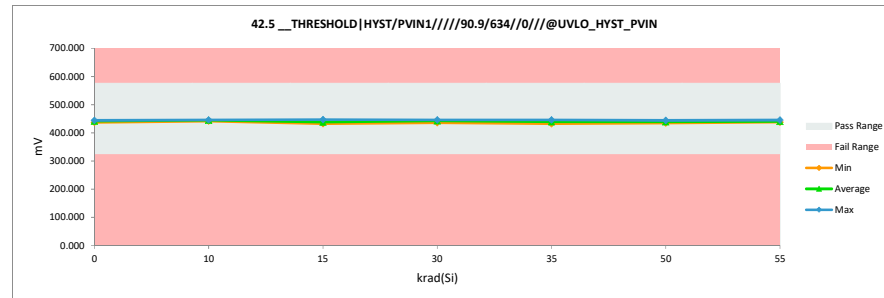
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.5 __THRESHOLD HYST/PVIN1 ///90.9/634		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	585	576
Min Limit	315	324

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	443.151	444.422	-1.270
0	98	436.354	437.060	-0.706
0	99	445.125	444.183	0.941
10	1	440.568	446.258	-5.689
10	2	439.843	444.821	-4.978
10	3	443.691	446.044	-2.353
10	4	442.763	441.792	0.971
10	5	444.734	444.974	-0.241
15	6	442.919	440.332	2.587
15	7	434.044	433.061	0.983
15	8	438.117	436.574	1.543
15	9	437.614	435.909	1.706
15	10	443.979	447.242	-3.263
30	11	441.697	445.926	-4.229
30	12	444.447	442.246	2.201
30	13	445.391	443.363	2.028
30	14	438.474	444.334	-5.861
30	15	440.853	436.429	4.425
35	16	439.501	437.571	1.930
35	17	430.288	432.671	-2.383
35	18	438.553	437.720	0.833
35	19	440.649	444.547	-3.898
35	20	443.309	445.961	-2.652
50	21	437.787	435.082	2.704
50	22	438.072	439.419	-1.347
50	23	436.894	442.165	-5.271
50	24	447.456	444.189	3.267
50	25	440.823	435.912	4.911
55	26	442.165	440.933	1.233
55	27	439.438	438.763	0.675
55	28	427.976	438.370	-10.394
55	29	438.901	438.325	0.575
55	31	436.196	445.255	-9.059
Max		447.456	447.242	4.911
Average		440.054	440.965	-0.912
Min		427.976	432.671	-10.394
Std Dev		4.202	4.235	3.708



		42.5 __THRESHOLD HYST/PV1					
Test Site							
Tester							
Test Number							
Max Limit	576	mV					
Min Limit	324	mV					
krad(Si)	0	10	15	30	35	50	55
LL	324.000	324.000	324.000	324.000	324.000	324.000	324.000
Min	437.060	441.792	433.061	436.429	432.671	435.082	438.325
Average	441.888	444.778	438.623	442.459	439.694	439.353	440.329
Max	444.422	446.258	447.242	445.926	445.961	444.189	445.255
UL	576.000	576.000	576.000	576.000	576.000	576.000	576.000



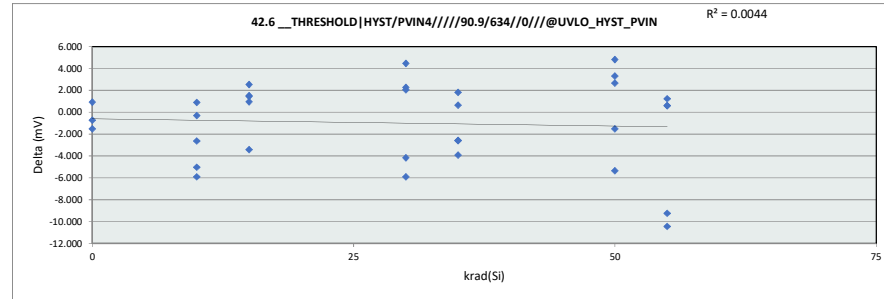
TID HDR Report

TPS7H4102-SEP

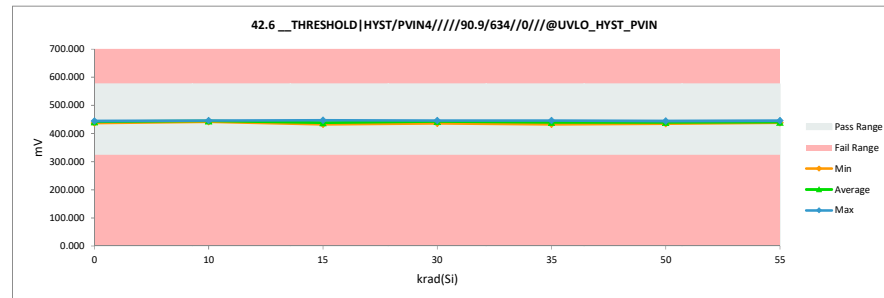
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.6 __THRESHOLD HYST/PVIN4 ///90.9/634 /0 ///@UVLO_HYST_PVIN		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	585	576
Min Limit	315	324

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	443.043	444.569	-1.526
0	98	436.333	437.073	-0.740
0	99	445.145	444.229	0.916
10	1	440.357	446.266	-5.909
10	2	439.841	444.869	-5.028
10	3	443.537	446.169	-2.632
10	4	442.760	441.871	0.889
10	5	444.685	444.992	-0.307
15	6	442.944	440.412	2.533
15	7	433.981	433.036	0.945
15	8	438.106	436.657	1.449
15	9	437.577	436.074	1.503
15	10	443.875	447.294	-3.420
30	11	441.702	445.872	-4.170
30	12	444.490	442.225	2.265
30	13	445.362	443.321	2.041
30	14	438.395	444.310	-5.915
30	15	440.847	436.391	4.456
35	16	439.497	437.690	1.807
35	17	430.225	432.795	-2.570
35	18	438.535	437.897	0.638
35	19	440.595	444.521	-3.925
35	20	443.335	445.943	-2.608
50	21	437.746	435.087	2.659
50	22	437.898	439.426	-1.528
50	23	436.797	442.154	-5.357
50	24	447.485	444.184	3.301
50	25	440.787	435.981	4.806
55	26	442.126	440.909	1.217
55	27	439.334	438.741	0.593
55	28	427.896	438.342	-10.446
55	29	438.906	438.311	0.594
55	31	436.099	445.346	-9.247
Max		447.485	447.294	4.806
Average		440.007	440.999	-0.991
Min		427.896	432.795	-10.446
Std Dev		4.219	4.225	3.731



42.6 __THRESHOLD HYST/PVIN4 ///90.9/634 /0 ///@UVLO_HYST_PVIN							
Test Site							
Tester							
Test Number							
Max Limit	576						
Min Limit	324						
krad(Si)	0	10	15	30	35	50	55
LL	324.000	324.000	324.000	324.000	324.000	324.000	324.000
Min	437.073	441.871	433.036	436.391	432.795	435.087	438.311
Average	441.957	444.833	438.695	442.424	439.769	439.366	440.330
Max	444.569	446.266	447.295	445.872	445.943	444.184	445.346
UL	576.000	576.000	576.000	576.000	576.000	576.000	576.000

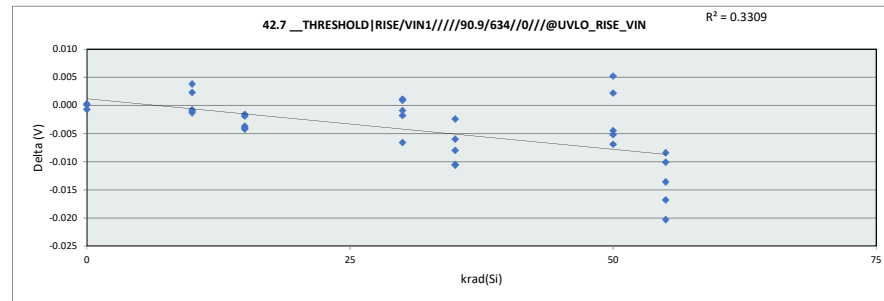


TID HDR Report

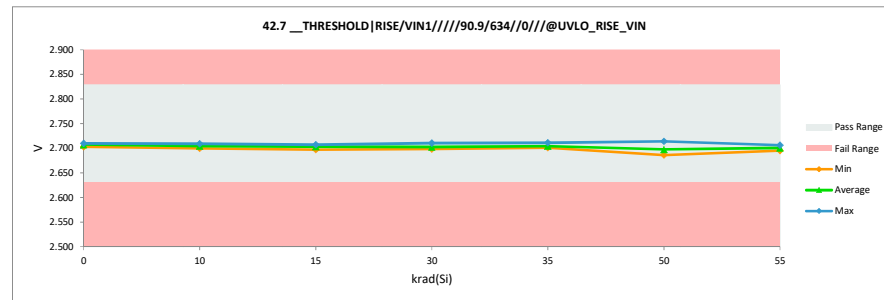
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.7 __THRESHOLD RISE/VIN1 ///90.9/634				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.8285		
Min Limit	2.63	2.6315		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.703	2.703	0.000
0	98	2.709	2.710	-0.001
0	99	2.709	2.709	0.000
10	1	2.708	2.709	-0.001
10	2	2.703	2.704	-0.001
10	3	2.708	2.704	0.004
10	4	2.699	2.700	-0.001
10	5	2.708	2.705	0.002
15	6	2.693	2.697	-0.004
15	7	2.705	2.707	-0.002
15	8	2.700	2.704	-0.004
15	9	2.703	2.705	-0.002
15	10	2.700	2.704	-0.004
30	11	2.697	2.698	-0.001
30	12	2.698	2.700	-0.002
30	13	2.706	2.705	0.001
30	14	2.701	2.700	0.001
30	15	2.704	2.710	-0.007
35	16	2.700	2.711	-0.011
35	17	2.695	2.701	-0.006
35	18	2.693	2.703	-0.010
35	19	2.695	2.703	-0.008
35	20	2.700	2.702	-0.002
50	21	2.702	2.700	0.002
50	22	2.698	2.693	0.005
50	23	2.707	2.714	-0.007
50	24	2.689	2.695	-0.005
50	25	2.682	2.686	-0.004
55	26	2.684	2.704	-0.020
55	27	2.690	2.700	-0.010
55	28	2.684	2.698	-0.014
55	29	2.687	2.695	-0.008
55	31	2.689	2.706	-0.017
Max		2.709	2.714	0.005
Average		2.698	2.703	-0.004
Min		2.682	2.686	-0.020
Std Dev		0.008	0.006	0.006



42.7 __THRESHOLD RISE/VIN							
Test Site							
Tester							
Test Number							
Max Limit	2.8285	V					
Min Limit	2.6315	V					
krad(Si)	0	10	15	30	35	50	55
LL	2.632	2.632	2.632	2.632	2.632	2.632	2.632
Min	2.703	2.700	2.697	2.698	2.701	2.686	2.695
Average	2.707	2.705	2.703	2.703	2.704	2.698	2.701
Max	2.710	2.709	2.707	2.710	2.711	2.714	2.706
UL	2.829	2.829	2.829	2.829	2.829	2.829	2.829

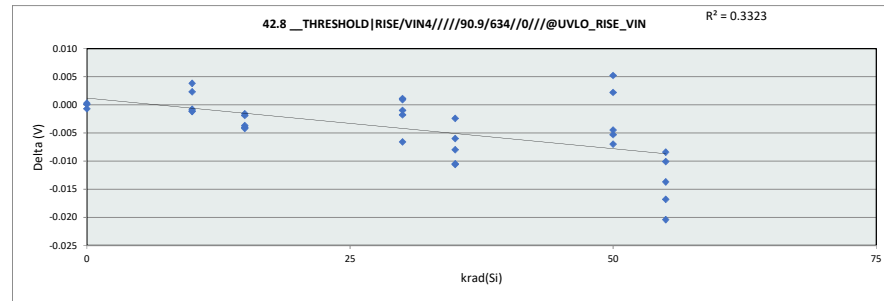


TID HDR Report

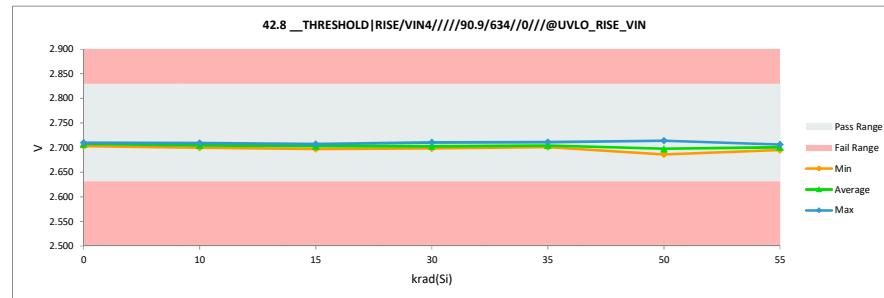
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.8 __THRESHOLD RISE/VIN4////90.9/634				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.8285		
Min Limit	2.63	2.6315		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.703	2.703	0.000
0	98	2.709	2.710	-0.001
0	99	2.709	2.709	0.000
10	1	2.708	2.709	-0.001
10	2	2.703	2.704	-0.001
10	3	2.708	2.704	0.004
10	4	2.699	2.700	-0.001
10	5	2.708	2.705	0.002
15	6	2.693	2.697	-0.004
15	7	2.705	2.707	-0.002
15	8	2.700	2.704	-0.004
15	9	2.703	2.705	-0.002
15	10	2.700	2.704	-0.004
30	11	2.697	2.698	-0.001
30	12	2.698	2.700	-0.002
30	13	2.706	2.705	0.001
30	14	2.701	2.700	0.001
30	15	2.704	2.710	-0.007
35	16	2.700	2.711	-0.011
35	17	2.695	2.701	-0.006
35	18	2.693	2.703	-0.010
35	19	2.695	2.703	-0.008
35	20	2.700	2.702	-0.002
50	21	2.702	2.700	0.002
50	22	2.698	2.693	0.005
50	23	2.707	2.714	-0.007
50	24	2.689	2.695	-0.005
50	25	2.682	2.686	-0.004
55	26	2.684	2.704	-0.020
55	27	2.690	2.700	-0.010
55	28	2.684	2.698	-0.014
55	29	2.687	2.695	-0.008
55	31	2.689	2.706	-0.017
Max		2.709	2.714	0.005
Average		2.698	2.703	-0.004
Min		2.682	2.686	-0.020
Std Dev		0.008	0.006	0.006



42.8 __THRESHOLD RISE/VIN							
Test Site							
Tester							
Test Number							
Max Limit	2.8285	V					
Min Limit	2.6315	V					
krad(Si)	0	10	15	30	35	50	55
LL	2.632	2.632	2.632	2.632	2.632	2.632	2.632
Min	2.703	2.700	2.697	2.698	2.701	2.686	2.695
Average	2.707	2.705	2.703	2.703	2.704	2.698	2.701
Max	2.710	2.709	2.707	2.710	2.711	2.714	2.706
UL	2.829	2.829	2.829	2.829	2.829	2.829	2.829

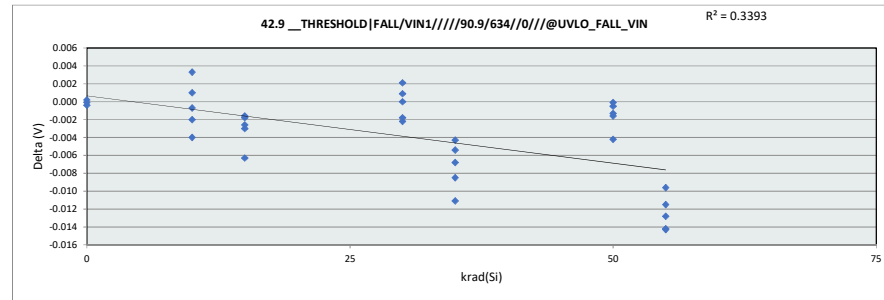


TID HDR Report

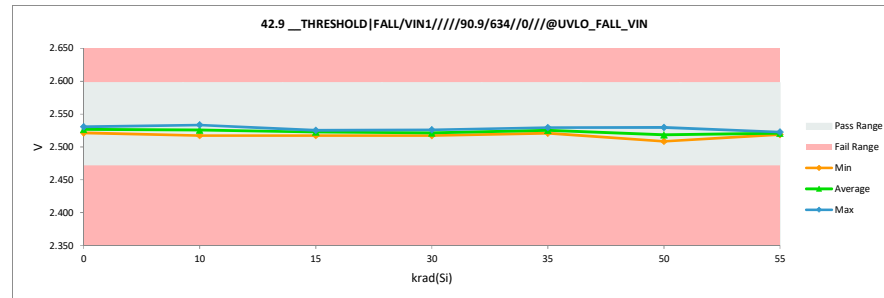
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.9 __THRESHOLD FALL/VIN1 ///90.9/634				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.598		
Min Limit	2.47	2.472		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.521	2.521	0.000
0	98	2.531	2.531	0.000
0	99	2.528	2.528	0.000
10	1	2.530	2.533	-0.004
10	2	2.529	2.530	-0.002
10	3	2.528	2.524	0.003
10	4	2.517	2.517	-0.001
10	5	2.524	2.523	0.001
15	6	2.514	2.517	-0.003
15	7	2.524	2.525	-0.002
15	8	2.519	2.521	-0.002
15	9	2.521	2.524	-0.003
15	10	2.519	2.525	-0.006
30	11	2.519	2.517	0.002
30	12	2.517	2.520	-0.002
30	13	2.524	2.524	0.001
30	14	2.520	2.520	0.000
30	15	2.524	2.526	-0.002
35	16	2.518	2.530	-0.011
35	17	2.519	2.524	-0.005
35	18	2.513	2.521	-0.008
35	19	2.516	2.523	-0.007
35	20	2.524	2.528	-0.004
50	21	2.525	2.526	-0.001
50	22	2.516	2.516	0.000
50	23	2.526	2.530	-0.004
50	24	2.511	2.512	0.000
50	25	2.507	2.509	-0.002
55	26	2.507	2.522	-0.014
55	27	2.510	2.520	-0.010
55	28	2.509	2.521	-0.013
55	29	2.507	2.519	-0.012
55	31	2.509	2.523	-0.014
Max		2.531	2.533	0.003
Average		2.519	2.523	-0.004
Min		2.507	2.509	-0.014
Std Dev		0.007	0.005	0.005



42.9 __THRESHOLD FALL/VIN							
Test Site							
Tester							
Test Number							
Max Limit	2.598	V					
Min Limit	2.472	V					
krad(Si)	0	10	15	30	35	50	55
LL	2.472	2.472	2.472	2.472	2.472	2.472	2.472
Min	2.521	2.517	2.517	2.517	2.521	2.509	2.519
Average	2.527	2.526	2.523	2.521	2.525	2.519	2.521
Max	2.531	2.534	2.525	2.526	2.530	2.530	2.523
UL	2.598	2.598	2.598	2.598	2.598	2.598	2.598

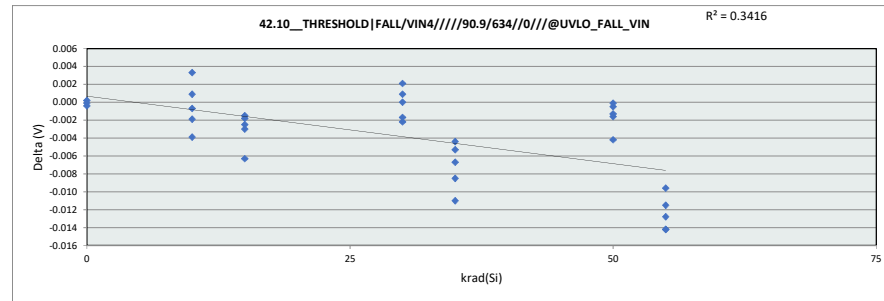


TID HDR Report

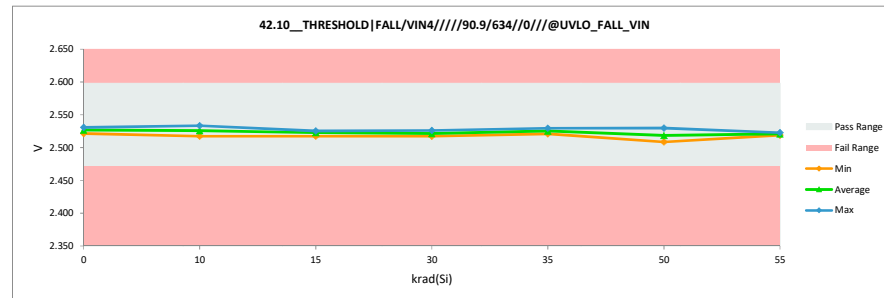
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.10_THRESHOLD FALL/VIN4 ///90.9/634				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.598		
Min Limit	2.47	2.472		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.521	2.521	0.000
0	98	2.531	2.531	0.000
0	99	2.528	2.528	0.000
10	1	2.530	2.533	-0.004
10	2	2.529	2.530	-0.002
10	3	2.528	2.524	0.003
10	4	2.517	2.517	-0.001
10	5	2.524	2.523	0.001
15	6	2.514	2.517	-0.003
15	7	2.523	2.525	-0.002
15	8	2.519	2.521	-0.002
15	9	2.521	2.524	-0.003
15	10	2.519	2.525	-0.006
30	11	2.519	2.517	0.002
30	12	2.517	2.520	-0.002
30	13	2.524	2.524	0.001
30	14	2.520	2.520	0.000
30	15	2.524	2.526	-0.002
35	16	2.519	2.530	-0.011
35	17	2.519	2.524	-0.005
35	18	2.513	2.521	-0.008
35	19	2.516	2.523	-0.007
35	20	2.524	2.528	-0.004
50	21	2.525	2.526	-0.001
50	22	2.516	2.516	0.000
50	23	2.526	2.530	-0.004
50	24	2.511	2.512	0.000
50	25	2.507	2.509	-0.002
55	26	2.507	2.522	-0.014
55	27	2.510	2.520	-0.010
55	28	2.509	2.521	-0.013
55	29	2.507	2.519	-0.012
55	31	2.509	2.523	-0.014
Max		2.531	2.533	0.003
Average		2.519	2.523	-0.004
Min		2.507	2.509	-0.014
Std Dev		0.007	0.005	0.005



42.10_THRESHOLD FALL/VIN4 ///90.9/634							
Test Site							
Tester							
Test Number							
Max Limit	2.598	V					
Min Limit	2.472	V					
krad(Si)	0	10	15	30	35	50	55
LL	2.472	2.472	2.472	2.472	2.472	2.472	2.472
Min	2.521	2.517	2.517	2.517	2.521	2.509	2.519
Average	2.527	2.526	2.523	2.521	2.525	2.519	2.521
Max	2.531	2.533	2.525	2.526	2.530	2.530	2.523
UL	2.598	2.598	2.598	2.598	2.598	2.598	2.598

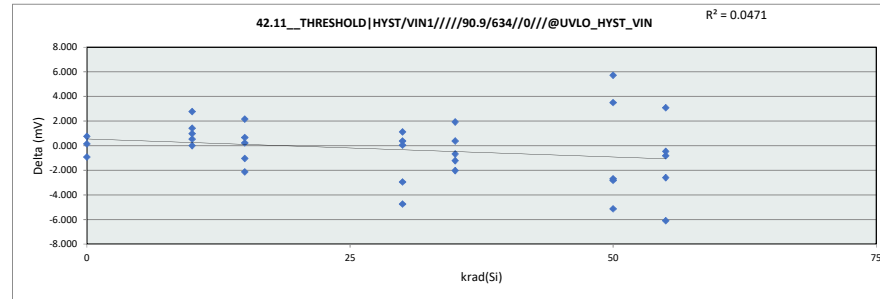


TID HDR Report

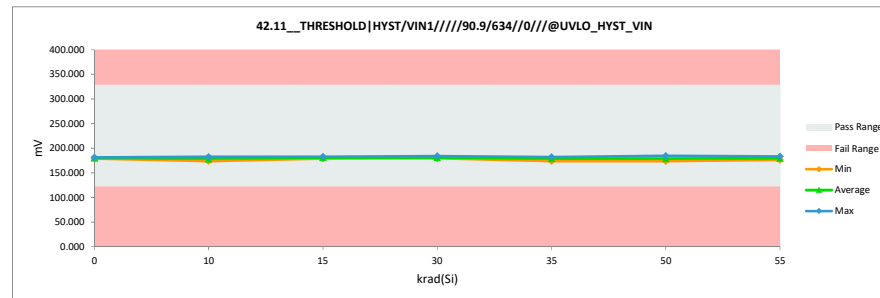
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.11__THRESHOLD HYST/VIN1/////90.9/63				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		330	328	
Min Limit		120	122	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	181.648	181.506	0.142
0	98	178.286	179.214	-0.928
0	99	181.726	180.971	0.755
10	1	178.464	175.691	2.773
10	2	174.566	173.594	0.972
10	3	180.319	179.792	0.527
10	4	182.446	182.444	0.003
10	5	183.264	181.853	1.411
15	6	178.559	179.604	-1.045
15	7	181.895	181.672	0.222
15	8	180.555	182.689	-2.134
15	9	181.613	180.948	0.665
15	10	181.269	179.113	2.156
30	11	177.971	180.918	-2.948
30	12	180.718	180.343	0.374
30	13	181.130	181.093	0.037
30	14	180.577	179.456	1.122
30	15	179.435	184.178	-4.743
35	16	181.931	181.554	0.377
35	17	175.787	176.458	-0.672
35	18	180.093	182.118	-2.025
35	19	178.523	179.752	-1.229
35	20	176.015	174.094	1.921
50	21	177.127	173.634	3.493
50	22	182.063	176.347	5.716
50	23	181.586	184.283	-2.698
50	24	177.899	183.034	-5.135
50	25	174.825	177.644	-2.820
55	26	176.548	182.647	-6.099
55	27	179.734	180.207	-0.473
55	28	175.428	176.246	-0.818
55	29	179.232	176.148	3.084
55	31	180.826	183.425	-2.600
	Max	183.264	184.283	5.716
	Average	179.456	179.778	-0.322
	Min	174.566	173.594	-6.099
	Std Dev	2.399	3.021	2.519



42.11__THRESHOLD HYST/VIN1/////90.9/634//0///@UVLO_HYST_VIN							
Test Site							
Tester							
Test Number							
Max Limit		328	mV				
Min Limit		122	mV				
krad(Si)	0	10	15	30	35	50	55
LL	122.000	122.000	122.000	122.000	122.000	122.000	122.000
Min	179.214	173.594	179.113	179.456	174.094	173.634	176.148
Average	180.564	178.675	180.805	181.198	178.795	178.989	179.735
Max	181.506	182.444	182.689	184.179	182.118	184.284	183.425
UL	328.000	328.000	328.000	328.000	328.000	328.000	328.000

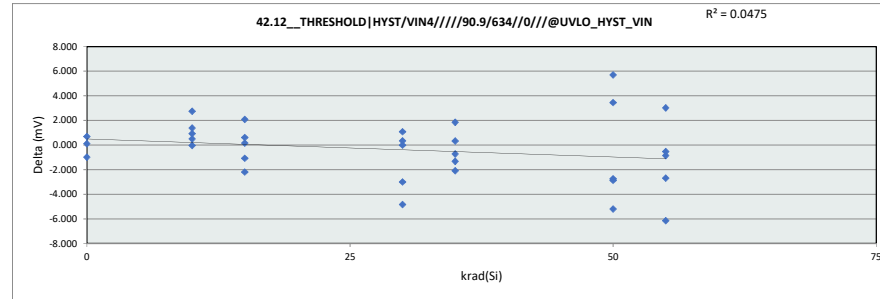


TID HDR Report

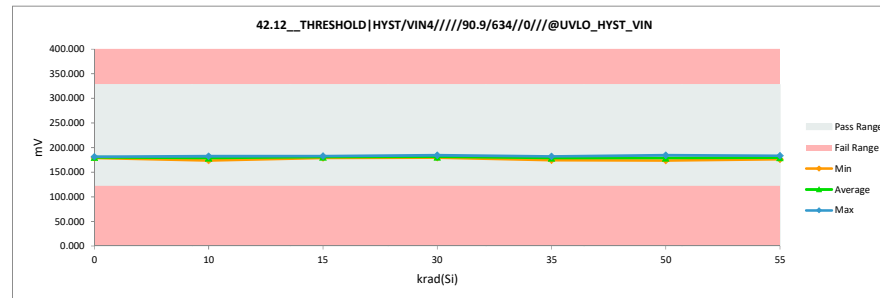
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

42.12_THRESHOLD HYST/VIN4 ///90.9/63				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		330	328	
Min Limit		120	122	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	181.639	181.533	0.106
0	98	178.260	179.244	-0.984
0	99	181.704	181.017	0.687
10	1	178.442	175.701	2.742
10	2	174.557	173.632	0.925
10	3	180.299	179.812	0.487
10	4	182.421	182.456	-0.035
10	5	183.242	181.867	1.375
15	6	178.531	179.612	-1.081
15	7	181.855	181.695	0.159
15	8	180.530	182.734	-2.204
15	9	181.604	180.990	0.614
15	10	181.215	179.133	2.082
30	11	177.929	180.938	-3.009
30	12	180.689	180.357	0.331
30	13	181.102	181.111	-0.008
30	14	180.557	179.477	1.079
30	15	179.399	184.235	-4.836
35	16	181.903	181.581	0.322
35	17	175.745	176.480	-0.735
35	18	180.075	182.166	-2.091
35	19	178.510	179.839	-1.328
35	20	176.012	174.166	1.846
50	21	177.116	173.671	3.445
50	22	182.036	176.348	5.687
50	23	181.563	184.303	-2.741
50	24	177.859	183.058	-5.199
50	25	174.801	177.679	-2.878
55	26	176.528	182.681	-6.153
55	27	179.679	180.214	-0.535
55	28	175.398	176.257	-0.860
55	29	179.216	176.205	3.012
55	31	180.780	183.469	-2.689
	Max	183.242	184.303	5.687
	Average	179.430	179.808	-0.378
	Min	174.557	173.632	-6.153
	Std Dev	2.397	3.021	2.526



42.12_THRESHOLD HYST/VIN4 ///90.9/634/0///@UVLO_HYST_VIN							
Test Site							
Tester							
Test Number							
Max Limit		328	mV				
Min Limit		122	mV				
krad(Si)	0	10	15	30	35	50	55
LL	122.000	122.000	122.000	122.000	122.000	122.000	122.000
Min	179.244	173.632	179.133	179.478	174.166	173.671	176.205
Average	180.598	178.693	180.833	181.224	178.846	179.012	179.765
Max	181.533	182.456	182.734	184.235	182.166	184.303	183.469
UL	328.000	328.000	328.000	328.000	328.000	328.000	328.000

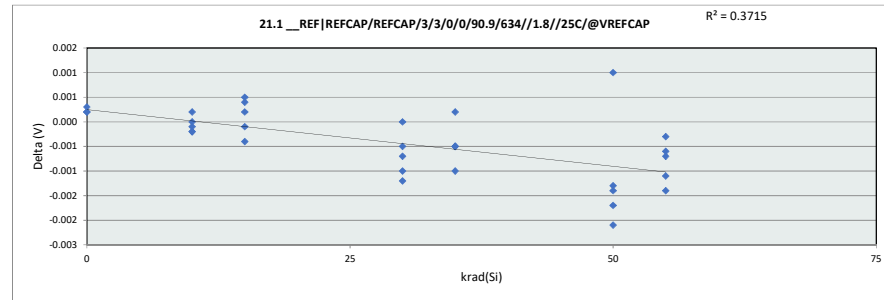


TID HDR Report

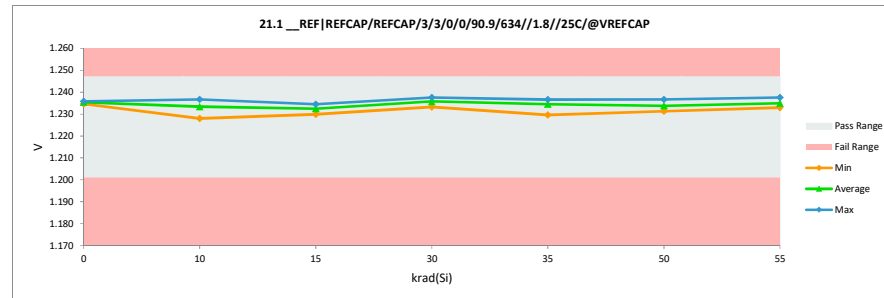
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

21.1 __REF REFCAP/REFCAP/3/3/0/0/90.9/6				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.248	1.247		
Min Limit	1.2	1.201		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.236	1.236	0.000
0	98	1.236	1.236	0.000
0	99	1.235	1.235	0.000
10	1	1.236	1.236	0.000
10	2	1.235	1.236	0.000
10	3	1.237	1.237	0.000
10	4	1.228	1.228	0.000
10	5	1.230	1.230	0.000
15	6	1.233	1.233	0.000
15	7	1.230	1.230	0.000
15	8	1.235	1.235	0.000
15	9	1.233	1.233	0.000
15	10	1.231	1.232	0.000
30	11	1.237	1.238	-0.001
30	12	1.237	1.237	-0.001
30	13	1.233	1.234	-0.001
30	14	1.232	1.233	-0.001
30	15	1.237	1.237	0.000
35	16	1.235	1.236	-0.001
35	17	1.236	1.235	0.000
35	18	1.229	1.230	0.000
35	19	1.235	1.235	-0.001
35	20	1.236	1.237	-0.001
50	21	1.232	1.234	-0.002
50	22	1.235	1.237	-0.002
50	23	1.230	1.231	-0.001
50	24	1.236	1.235	0.001
50	25	1.230	1.231	-0.001
55	26	1.237	1.238	-0.001
55	27	1.232	1.233	-0.001
55	28	1.236	1.236	0.000
55	29	1.233	1.234	-0.001
55	31	1.233	1.234	-0.001
Max		1.237	1.238	0.001
Average		1.234	1.234	0.000
Min		1.228	1.228	-0.002
Std Dev		0.003	0.002	0.001



21.1 __REF REFCAP/REFCAP/3/3/0/0/90.9/634//1.8//25C/@VREFCAP							
Test Site							
Tester							
Test Number							
Max Limit	1.247	V					
Min Limit	1.201	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.201	1.201	1.201	1.201	1.201	1.201	1.201
Min	1.235	1.228	1.230	1.233	1.230	1.231	1.233
Average	1.235	1.233	1.233	1.236	1.235	1.234	1.235
Max	1.236	1.237	1.235	1.238	1.237	1.237	1.238
UL	1.247	1.247	1.247	1.247	1.247	1.247	1.247

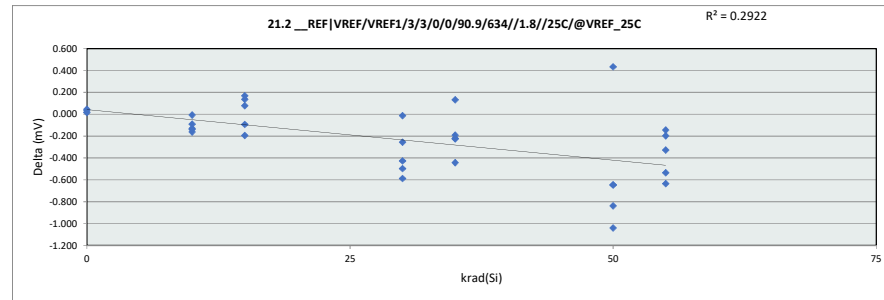


TID HDR Report

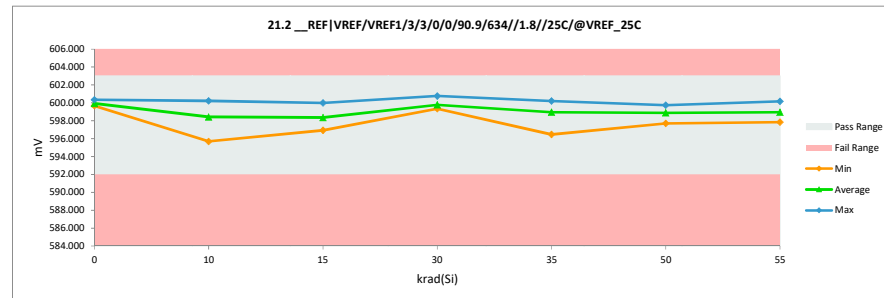
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

21.2 __REF VREF/VREF1/3/3/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	603.5	603		
Min Limit	591.5	592		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.702	599.672	0.031
0	98	599.796	599.782	0.015
0	99	600.393	600.347	0.045
10	1	599.910	600.050	-0.140
10	2	600.053	600.215	-0.163
10	3	599.243	599.251	-0.008
10	4	595.554	595.684	-0.130
10	5	596.866	596.957	-0.091
15	6	598.773	598.866	-0.094
15	7	597.069	596.934	0.135
15	8	600.153	599.986	0.168
15	9	598.349	598.272	0.078
15	10	597.553	597.748	-0.196
30	11	600.262	600.760	-0.497
30	12	599.584	599.841	-0.256
30	13	598.971	599.399	-0.428
30	14	598.761	599.349	-0.588
30	15	599.519	599.533	-0.014
35	16	598.931	599.375	-0.444
35	17	598.764	598.633	0.131
35	18	596.247	596.468	-0.221
35	19	599.979	600.205	-0.226
35	20	599.879	600.071	-0.193
50	21	598.406	599.446	-1.040
50	22	598.903	599.740	-0.838
50	23	597.262	597.909	-0.647
50	24	599.993	599.561	0.432
50	25	597.056	597.703	-0.647
55	26	598.754	598.952	-0.197
55	27	598.723	599.259	-0.536
55	28	600.023	600.168	-0.145
55	29	597.505	597.833	-0.328
55	31	597.921	598.556	-0.635
Max		600.393	600.760	0.432
Average		598.753	598.986	-0.232
Min		595.554	595.684	-1.040
Std Dev		1.268	1.233	0.319



21.2 __REF VREF/VREF1/3/3/							
Test Site							
Tester							
Test Number							
Max Limit	603	mV					
Min Limit	592	mV					
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.672	595.684	596.934	599.349	596.468	597.703	597.833
Average	599.933	598.431	598.361	599.776	598.951	598.872	598.953
Max	600.347	600.215	599.986	600.760	600.205	599.740	600.168
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

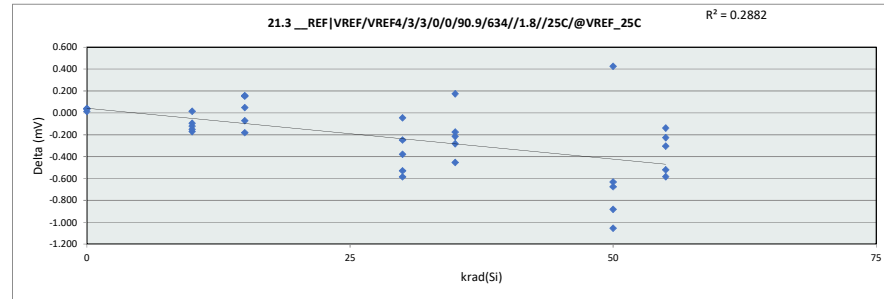


TID HDR Report TPS7H4102-SEP

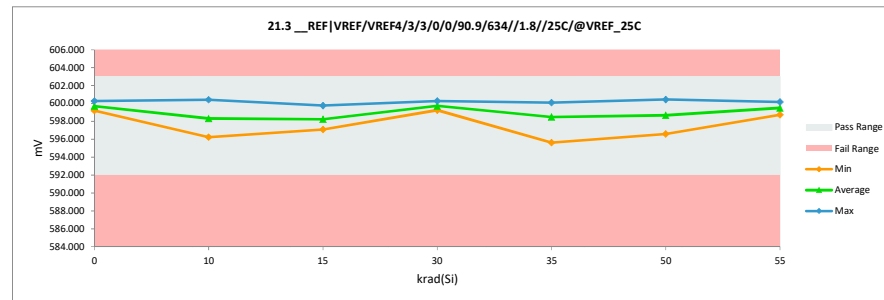
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

21.3 __REF VREF/VREF4/3/3/0/0/90.9/634/		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.651	599.615	0.035
0	98	600.283	600.270	0.013
0	99	599.240	599.199	0.041
10	1	599.839	599.961	-0.122
10	2	598.536	598.707	-0.171
10	3	600.426	600.411	0.015
10	4	596.185	596.337	-0.151
10	5	596.143	596.239	-0.095
15	6	598.370	598.442	-0.072
15	7	597.254	597.097	0.158
15	8	599.913	599.760	0.152
15	9	597.701	597.653	0.048
15	10	598.008	598.190	-0.182
30	11	598.987	599.516	-0.529
30	12	599.986	600.236	-0.250
30	13	598.871	599.251	-0.380
30	14	598.757	599.342	-0.585
30	15	600.225	600.271	-0.046
35	16	598.500	598.953	-0.453
35	17	599.245	599.071	0.174
35	18	595.405	595.620	-0.215
35	19	598.427	598.709	-0.282
35	20	599.924	600.100	-0.176
50	21	598.369	599.423	-1.054
50	22	599.557	600.440	-0.883
50	23	595.955	596.588	-0.633
50	24	599.281	598.856	0.425
50	25	597.407	598.084	-0.677
55	26	599.881	600.108	-0.227
55	27	598.587	599.107	-0.520
55	28	600.018	600.157	-0.139
55	29	599.100	599.405	-0.305
55	31	598.149	598.733	-0.583
Max		600.426	600.440	0.425
Average		598.672	598.904	-0.232
Min		595.405	595.620	-1.054
Std Dev		1.333	1.305	0.322



21.3 __REF VREF/VREF4/3/3/							
Test Site							
Tester							
Test Number							
Max Limit	603						mV
Min Limit	592						mV
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.199	596.239	597.097	599.251	595.620	596.588	598.733
Average	599.695	598.331	598.228	599.723	598.491	598.678	599.502
Max	600.270	600.411	599.760	600.271	600.100	600.440	600.157
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

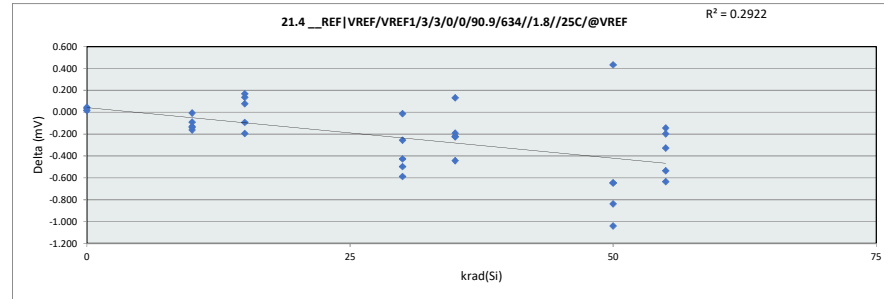


TID HDR Report

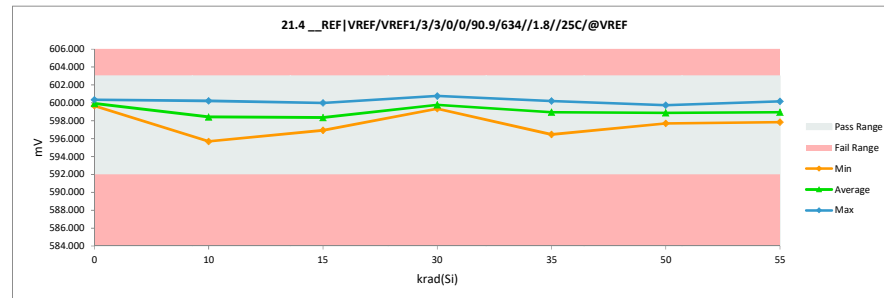
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

21.4 __REF VREF/VREF1/3/3/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	603.5	603		
Min Limit	591.5	592		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.702	599.672	0.031
0	98	599.796	599.782	0.015
0	99	600.393	600.347	0.045
10	1	599.910	600.050	-0.140
10	2	600.053	600.215	-0.163
10	3	599.243	599.251	-0.008
10	4	595.554	595.684	-0.130
10	5	596.866	596.957	-0.091
15	6	598.773	598.866	-0.094
15	7	597.069	596.934	0.135
15	8	600.153	599.986	0.168
15	9	598.349	598.272	0.078
15	10	597.553	597.748	-0.196
30	11	600.262	600.760	-0.497
30	12	599.584	599.841	-0.256
30	13	598.971	599.399	-0.428
30	14	598.761	599.349	-0.588
30	15	599.519	599.533	-0.014
35	16	598.931	599.375	-0.444
35	17	598.764	598.633	0.131
35	18	596.247	596.468	-0.221
35	19	599.979	600.205	-0.226
35	20	599.879	600.071	-0.193
50	21	598.406	599.446	-1.040
50	22	598.903	599.740	-0.838
50	23	597.262	597.909	-0.647
50	24	599.993	599.561	0.432
50	25	597.056	597.703	-0.647
55	26	598.754	598.952	-0.197
55	27	598.723	599.259	-0.536
55	28	600.023	600.168	-0.145
55	29	597.505	597.833	-0.328
55	31	597.921	598.556	-0.635
Max		600.393	600.760	0.432
Average		598.753	598.986	-0.232
Min		595.554	595.684	-1.040
Std Dev		1.268	1.233	0.319



21.4 __REF VREF/VREF1/3/3/							
Test Site							
Tester							
Test Number							
Max Limit	603	mV					
Min Limit	592	mV					
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.672	595.684	596.934	599.349	596.468	597.703	597.833
Average	599.933	598.431	598.361	599.776	598.951	598.872	598.953
Max	600.347	600.215	599.986	600.760	600.205	599.740	600.168
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

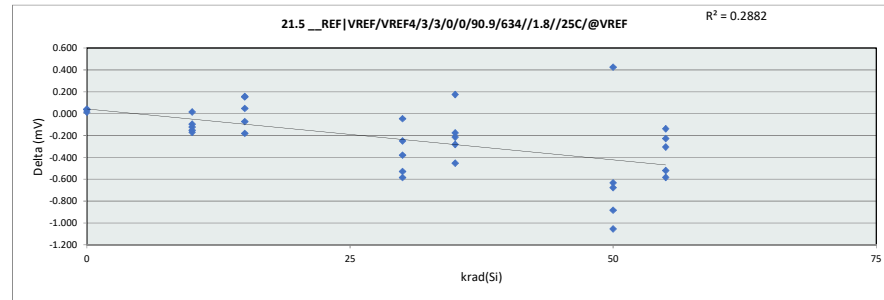


TID HDR Report

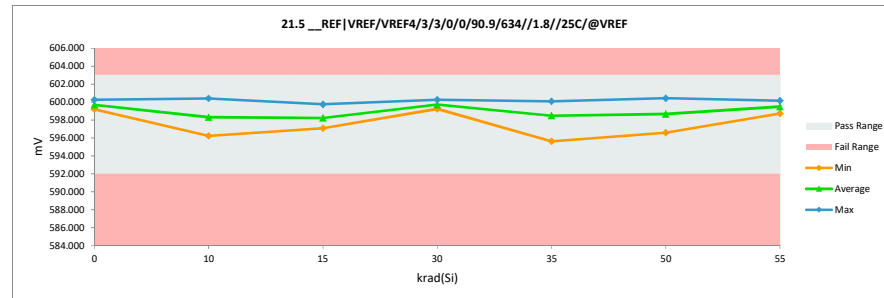
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

21.5 __REF VREF/VREF4/3/3/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	603.5	603		
Min Limit	591.5	592		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.651	599.615	0.035
0	98	600.283	600.270	0.013
0	99	599.240	599.199	0.041
10	1	599.839	599.961	-0.122
10	2	598.536	598.707	-0.171
10	3	600.426	600.411	0.015
10	4	596.185	596.337	-0.151
10	5	596.143	596.239	-0.095
15	6	598.370	598.442	-0.072
15	7	597.254	597.097	0.158
15	8	599.913	599.760	0.152
15	9	597.701	597.653	0.048
15	10	598.008	598.190	-0.182
30	11	598.987	599.516	-0.529
30	12	599.986	600.236	-0.250
30	13	598.871	599.251	-0.380
30	14	598.757	599.342	-0.585
30	15	600.225	600.271	-0.046
35	16	598.500	598.953	-0.453
35	17	599.245	599.071	0.174
35	18	595.405	595.620	-0.215
35	19	598.427	598.709	-0.282
35	20	599.924	600.100	-0.176
50	21	598.369	599.423	-1.054
50	22	599.557	600.440	-0.883
50	23	595.955	596.588	-0.633
50	24	599.281	598.856	0.425
50	25	597.407	598.084	-0.677
55	26	599.881	600.108	-0.227
55	27	598.587	599.107	-0.520
55	28	600.018	600.157	-0.139
55	29	599.100	599.405	-0.305
55	31	598.149	598.733	-0.583
Max		600.426	600.440	0.425
Average		598.672	598.904	-0.232
Min		595.405	595.620	-1.054
Std Dev		1.333	1.305	0.322



21.5 __REF VREF/VREF4/3/3/							
Test Site							
Tester							
Test Number							
Max Limit	603	mV					
Min Limit	592	mV					
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.199	596.239	597.097	599.251	595.620	596.588	598.733
Average	599.695	598.331	598.228	599.723	598.491	598.678	599.502
Max	600.270	600.411	599.760	600.271	600.100	600.440	600.157
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

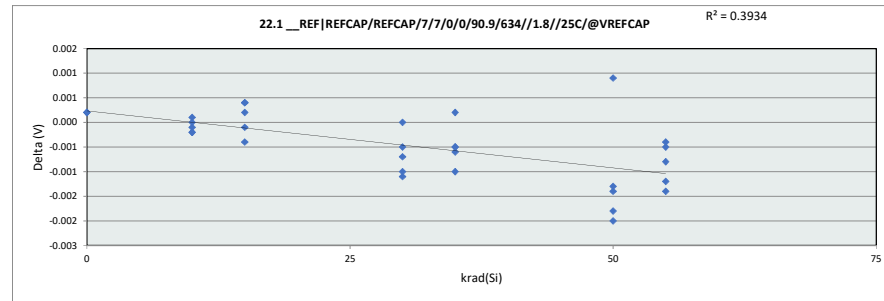


TID HDR Report

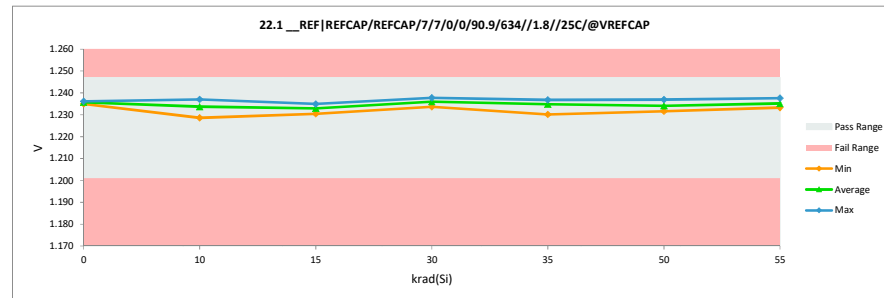
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

22.1 __REF REFCAP/REFCAP/7/7/0/0/90.9/6				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.248	1.247		
Min Limit	1.2	1.201		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.236	1.236	0.000
0	98	1.236	1.236	0.000
0	99	1.235	1.235	0.000
10	1	1.236	1.236	0.000
10	2	1.236	1.236	0.000
10	3	1.237	1.237	0.000
10	4	1.229	1.229	0.000
10	5	1.231	1.231	0.000
15	6	1.233	1.234	0.000
15	7	1.231	1.230	0.000
15	8	1.235	1.235	0.000
15	9	1.234	1.234	0.000
15	10	1.232	1.232	0.000
30	11	1.237	1.238	-0.001
30	12	1.237	1.237	-0.001
30	13	1.234	1.235	-0.001
30	14	1.232	1.234	-0.001
30	15	1.237	1.237	0.000
35	16	1.235	1.236	-0.001
35	17	1.236	1.236	0.000
35	18	1.230	1.230	-0.001
35	19	1.235	1.235	0.000
35	20	1.236	1.237	0.000
50	21	1.233	1.235	-0.002
50	22	1.235	1.237	-0.002
50	23	1.230	1.232	-0.001
50	24	1.236	1.235	0.001
50	25	1.230	1.232	-0.001
55	26	1.237	1.238	0.000
55	27	1.232	1.233	-0.001
55	28	1.236	1.237	0.000
55	29	1.233	1.234	-0.001
55	31	1.233	1.235	-0.001
Max		1.237	1.238	0.001
Average		1.234	1.235	0.000
Min		1.229	1.229	-0.002
Std Dev		0.002	0.002	0.001



22.1 __REF REFCAP/REFCAP/7/7/0/0/90.9/634//1.8//25C/@VREFCAP							
Test Site							
Tester							
Test Number							
Max Limit	1.247	V					
Min Limit	1.201	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.201	1.201	1.201	1.201	1.201	1.201	1.201
Min	1.235	1.229	1.230	1.234	1.230	1.232	1.233
Average	1.236	1.234	1.233	1.236	1.235	1.234	1.235
Max	1.236	1.237	1.235	1.238	1.237	1.237	1.238
UL	1.247	1.247	1.247	1.247	1.247	1.247	1.247

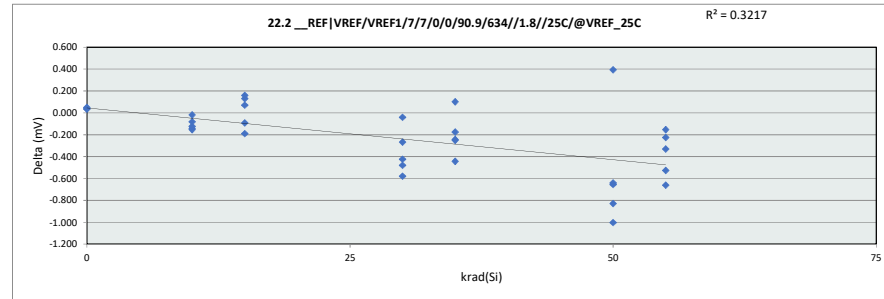


TID HDR Report

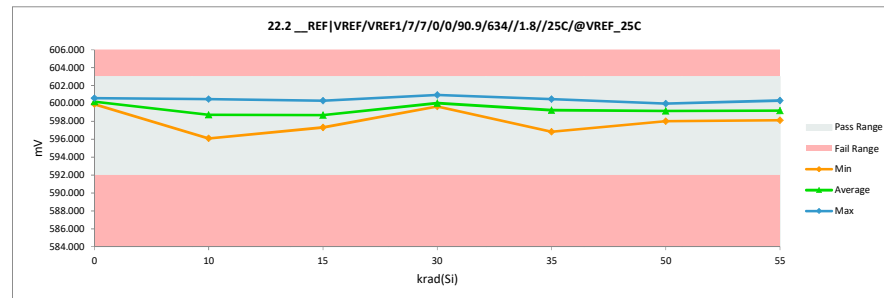
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

22.2 __REF VREF/VREF1/7/7/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	603.5	603		
Min Limit	591.5	592		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.972	599.923	0.049
0	98	600.085	600.049	0.036
0	99	600.633	600.598	0.035
10	1	600.146	600.300	-0.154
10	2	600.344	600.487	-0.143
10	3	599.496	599.516	-0.019
10	4	595.977	596.099	-0.122
10	5	597.198	597.280	-0.082
15	6	599.076	599.169	-0.093
15	7	597.450	597.320	0.130
15	8	600.461	600.301	0.159
15	9	598.604	598.535	0.069
15	10	597.957	598.147	-0.190
30	11	600.472	600.952	-0.479
30	12	599.780	600.048	-0.268
30	13	599.279	599.704	-0.425
30	14	599.090	599.670	-0.580
30	15	599.800	599.843	-0.042
35	16	599.217	599.659	-0.443
35	17	599.026	598.925	0.101
35	18	596.587	596.836	-0.250
35	19	600.245	600.490	-0.244
35	20	600.141	600.317	-0.176
50	21	598.740	599.743	-1.003
50	22	599.159	599.989	-0.830
50	23	597.640	598.295	-0.656
50	24	600.181	599.788	0.393
50	25	597.376	598.017	-0.641
55	26	598.930	599.156	-0.226
55	27	598.991	599.518	-0.527
55	28	600.166	600.319	-0.154
55	29	597.791	598.121	-0.331
55	31	598.201	598.861	-0.661
Max		600.633	600.952	0.393
Average		599.037	599.272	-0.235
Min		595.977	596.099	-1.003
Std Dev		1.224	1.188	0.311



22.2 __REF VREF/VREF1/7/7/							
Test Site							
Tester							
Test Number							
Max Limit	603	mV					
Min Limit	592	mV					
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.923	596.099	597.320	599.670	596.836	598.017	598.121
Average	600.190	598.736	598.695	600.043	599.245	599.166	599.195
Max	600.598	600.487	600.301	600.952	600.490	599.989	600.319
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

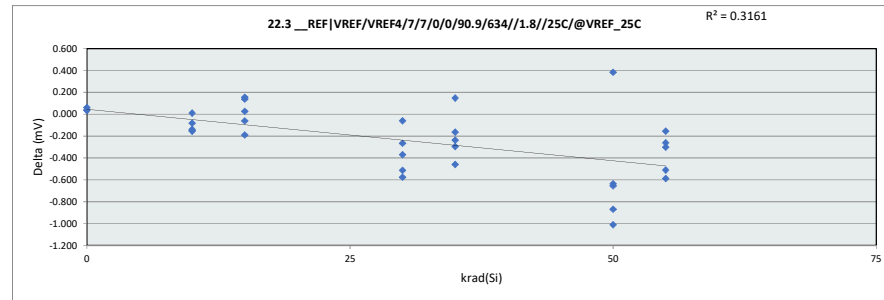


TID HDR Report

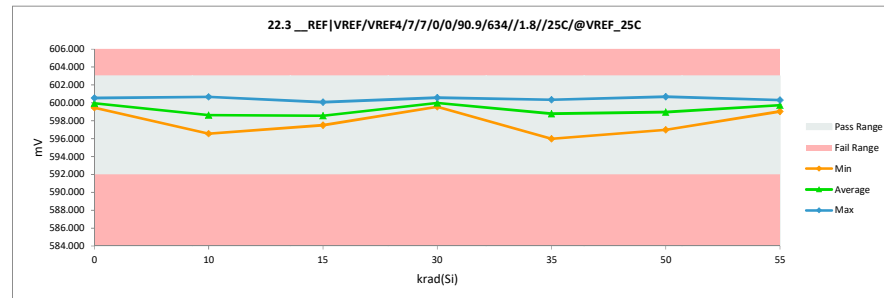
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

22.3 __REF VREF/VREF4/7/7/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	603.5	603		
Min Limit	591.5	592		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.921	599.860	0.061
0	98	600.581	600.547	0.033
0	99	599.486	599.447	0.039
10	1	600.057	600.209	-0.152
10	2	598.822	598.977	-0.154
10	3	600.676	600.666	0.010
10	4	596.609	596.748	-0.140
10	5	596.474	596.556	-0.083
15	6	598.685	598.747	-0.062
15	7	597.650	597.495	0.155
15	8	600.214	600.076	0.137
15	9	597.940	597.914	0.026
15	10	598.396	598.586	-0.190
30	11	599.203	599.716	-0.513
30	12	600.181	600.446	-0.266
30	13	599.183	599.553	-0.371
30	14	599.077	599.654	-0.577
30	15	600.514	600.574	-0.060
35	16	598.783	599.242	-0.459
35	17	599.510	599.362	0.148
35	18	595.751	595.988	-0.237
35	19	598.698	598.993	-0.295
35	20	600.173	600.338	-0.165
50	21	598.713	599.724	-1.011
50	22	599.806	600.674	-0.868
50	23	596.343	596.979	-0.636
50	24	599.469	599.087	0.383
50	25	597.740	598.395	-0.655
55	26	600.045	600.307	-0.262
55	27	598.846	599.358	-0.511
55	28	600.146	600.301	-0.155
55	29	599.380	599.681	-0.301
55	31	598.440	599.029	-0.589
Max		600.676	600.674	0.383
Average		598.955	599.189	-0.234
Min		595.751	595.988	-1.011
Std Dev		1.288	1.261	0.312



22.3 __REF VREF/VREF4/7/7/							
Test Site							
Tester							
Test Number							
Max Limit	603	mV					
Min Limit	592	mV					
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.447	596.556	597.495	599.553	595.988	596.979	599.029
Average	599.951	598.631	598.564	599.989	598.785	598.972	599.735
Max	600.547	600.666	600.076	600.574	600.338	600.674	600.307
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

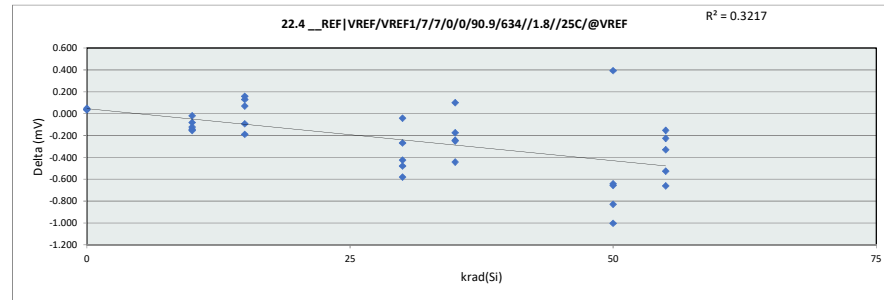


TID HDR Report

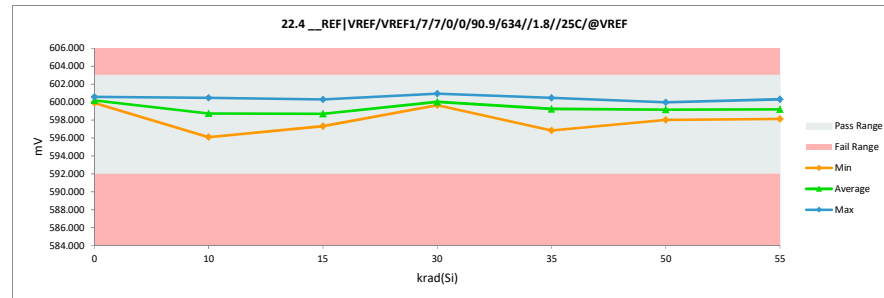
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

22.4 __REF VREF/VREF1/7/7/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.972	599.923	0.049
0	98	600.085	600.049	0.036
0	99	600.633	600.598	0.035
10	1	600.146	600.300	-0.154
10	2	600.344	600.487	-0.143
10	3	599.496	599.516	-0.019
10	4	595.977	596.099	-0.122
10	5	597.198	597.280	-0.082
15	6	599.076	599.169	-0.093
15	7	597.450	597.320	0.130
15	8	600.461	600.301	0.159
15	9	598.604	598.535	0.069
15	10	597.957	598.147	-0.190
30	11	600.472	600.952	-0.479
30	12	599.780	600.048	-0.268
30	13	599.279	599.704	-0.425
30	14	599.090	599.670	-0.580
30	15	599.800	599.843	-0.042
35	16	599.217	599.659	-0.443
35	17	599.026	598.925	0.101
35	18	596.587	596.836	-0.250
35	19	600.245	600.490	-0.244
35	20	600.141	600.317	-0.176
50	21	598.740	599.743	-1.003
50	22	599.159	599.989	-0.830
50	23	597.640	598.295	-0.656
50	24	600.181	599.788	0.393
50	25	597.376	598.017	-0.641
55	26	598.930	599.156	-0.226
55	27	598.991	599.518	-0.527
55	28	600.166	600.319	-0.154
55	29	597.791	598.121	-0.331
55	31	598.201	598.861	-0.661
Max		600.633	600.952	0.393
Average		599.037	599.272	-0.235
Min		595.977	596.099	-1.003
Std Dev		1.224	1.188	0.311



22.4 __REF VREF/VREF1/7/7/							
Test Site							
Tester							
Test Number							
Max Limit	603		mV				
Min Limit	592		mV				
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.923	596.099	597.320	599.670	596.836	598.017	598.121
Average	600.190	598.736	598.695	600.043	599.245	599.166	599.195
Max	600.598	600.487	600.301	600.952	600.490	599.989	600.319
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

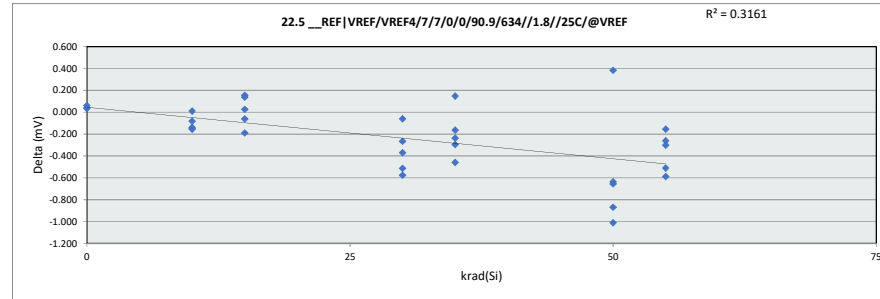


TID HDR Report

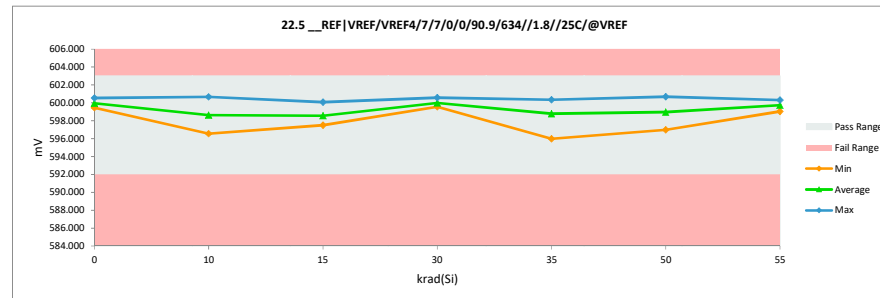
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

22.5 __REF VREF/VREF4/7/7/0/0/90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	599.921	599.860	0.061
0	98	600.581	600.547	0.033
0	99	599.486	599.447	0.039
10	1	600.057	600.209	-0.152
10	2	598.822	598.977	-0.154
10	3	600.676	600.666	0.010
10	4	596.609	596.748	-0.140
10	5	596.474	596.556	-0.083
15	6	598.685	598.747	-0.062
15	7	597.650	597.495	0.155
15	8	600.214	600.076	0.137
15	9	597.940	597.914	0.026
15	10	598.396	598.586	-0.190
30	11	599.203	599.716	-0.513
30	12	600.181	600.446	-0.266
30	13	599.183	599.553	-0.371
30	14	599.077	599.654	-0.577
30	15	600.514	600.574	-0.060
35	16	598.783	599.242	-0.459
35	17	599.510	599.362	0.148
35	18	595.751	595.988	-0.237
35	19	598.698	598.993	-0.295
35	20	600.173	600.338	-0.165
50	21	598.713	599.724	-1.011
50	22	599.806	600.674	-0.868
50	23	596.343	596.979	-0.636
50	24	599.469	599.087	0.383
50	25	597.740	598.395	-0.655
55	26	600.045	600.307	-0.262
55	27	598.846	599.358	-0.511
55	28	600.146	600.301	-0.155
55	29	599.380	599.681	-0.301
55	31	598.440	599.029	-0.589
Max		600.676	600.674	0.383
Average		598.955	599.189	-0.234
Min		595.751	595.988	-1.011
Std Dev		1.288	1.261	0.312



22.5 __REF VREF/VREF4/7/7/							
Test Site							
Tester							
Test Number							
Max Limit	603		mV				
Min Limit	592		mV				
krad(Si)	0	10	15	30	35	50	55
LL	592.000	592.000	592.000	592.000	592.000	592.000	592.000
Min	599.447	596.556	597.495	599.553	595.988	596.979	599.029
Average	599.951	598.631	598.564	599.989	598.785	598.972	599.735
Max	600.547	600.666	600.076	600.574	600.338	600.674	600.307
UL	603.000	603.000	603.000	603.000	603.000	603.000	603.000

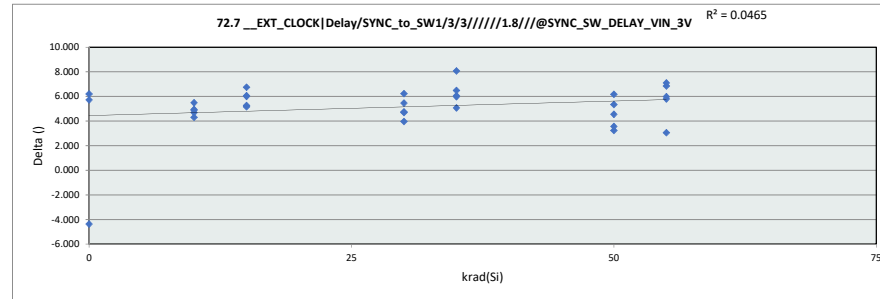


TID HDR Report

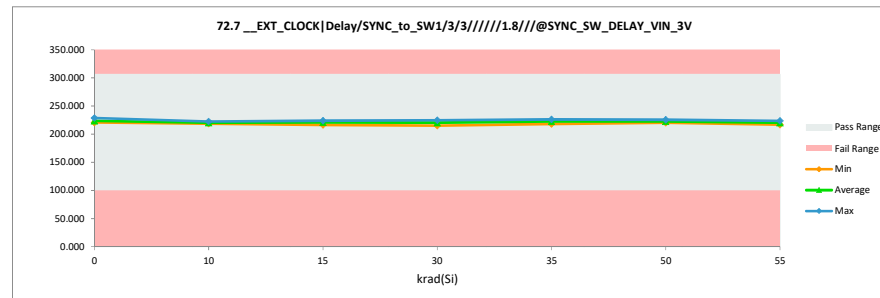
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.7 __EXT_CLOCK Delay/SYNC_to_SW1/3/3/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	314	306		
Min Limit	58.8	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	226.777	220.577	6.201
0	98	226.755	221.035	5.720
0	99	224.473	228.845	-4.373
10	1	224.078	219.773	4.305
10	2	224.286	218.807	5.479
10	3	224.661	219.772	4.889
10	4	227.233	222.561	4.672
10	5	226.986	222.050	4.936
15	6	228.426	222.430	5.995
15	7	221.714	216.447	5.267
15	8	226.838	220.789	6.049
15	9	226.632	221.481	5.151
15	10	230.734	223.989	6.745
30	11	230.301	224.849	5.452
30	12	226.318	222.352	3.966
30	13	224.789	220.046	4.744
30	14	221.266	215.046	6.220
30	15	224.682	219.989	4.693
35	16	231.557	225.506	6.051
35	17	226.345	218.282	8.063
35	18	232.548	226.070	6.479
35	19	230.155	224.178	5.977
35	20	224.146	219.074	5.071
50	21	224.746	220.204	4.543
50	22	230.966	225.632	5.334
50	23	226.378	223.148	3.230
50	24	226.873	220.708	6.165
50	25	225.986	222.429	3.556
55	26	226.762	223.705	3.057
55	27	222.624	216.652	5.972
55	28	225.120	219.331	5.790
55	29	227.304	220.451	6.853
55	31	228.110	221.022	7.087
Max		232.548	228.845	8.063
Average		226.563	221.431	5.131
Min		221.266	215.046	-4.373
Std Dev		2.719	2.949	2.030



72.7 __EXT_CLOCK Delay/SYN							
Test Site							
Tester							
Test Number							
Max Limit	306						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	220.577	218.807	216.447	215.046	218.282	220.204	216.652
Average	223.486	220.593	221.027	220.457	222.622	222.424	220.232
Max	228.845	222.561	223.989	224.849	226.070	225.632	223.705
UL	306.000	306.000	306.000	306.000	306.000	306.000	306.000



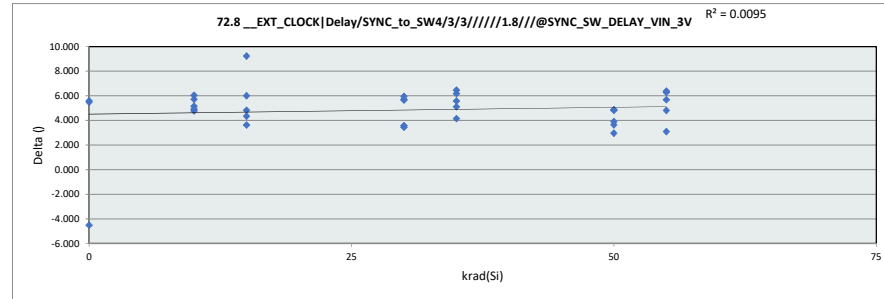
TID HDR Report

TPS7H4102-SEP

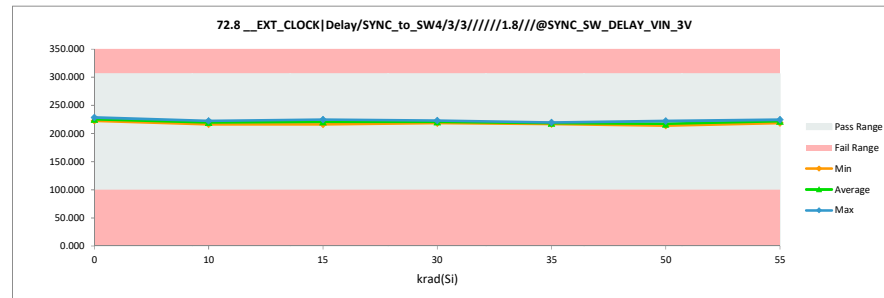
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

Test Site	72.8 __EXT_CLOCK Delay/SYNC_to_SW4/3/3/	
Tester		
Test Number		
Unit		
Max Limit	314	306
Min Limit	58.8	100

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	231.286	225.706	5.580
0	98	228.049	222.564	5.486
0	99	223.924	228.443	-4.519
10	1	227.179	222.409	4.770
10	2	225.164	220.003	5.162
10	3	226.177	220.139	6.038
10	4	221.050	216.130	4.920
10	5	225.067	219.345	5.722
15	6	222.095	216.097	5.998
15	7	228.275	224.654	3.620
15	8	223.066	218.251	4.815
15	9	227.224	222.880	4.344
15	10	230.409	221.186	9.223
30	11	228.648	223.001	5.648
30	12	222.740	219.296	3.444
30	13	224.460	220.894	3.565
30	14	224.199	218.485	5.714
30	15	228.541	222.597	5.944
35	16	223.311	219.166	4.145
35	17	225.610	219.434	6.176
35	18	223.340	216.880	6.460
35	19	224.610	219.504	5.106
35	20	223.120	217.548	5.572
50	21	222.580	217.711	4.870
50	22	219.333	214.507	4.825
50	23	218.031	214.130	3.901
50	24	220.907	217.269	3.638
50	25	225.036	222.069	2.967
55	26	225.028	221.941	3.086
55	27	230.138	224.456	5.681
55	28	224.997	218.728	6.270
55	29	229.922	223.540	6.382
55	31	226.114	221.312	4.802
Max		231.286	228.443	9.223
Average		225.140	220.311	4.829
Min		218.031	214.130	-4.519
Std Dev		3.186	3.238	2.083



Test Site	72.8 __EXT_CLOCK Delay/SYN						
Tester							
Test Number							
Max Limit	306						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	222.564	216.130	216.097	218.485	216.880	214.130	218.728
Average	225.571	219.605	220.614	220.855	218.506	217.137	221.996
Max	228.443	222.409	224.655	223.001	219.504	222.069	224.456
UL	306.000	306.000	306.000	306.000	306.000	306.000	306.000

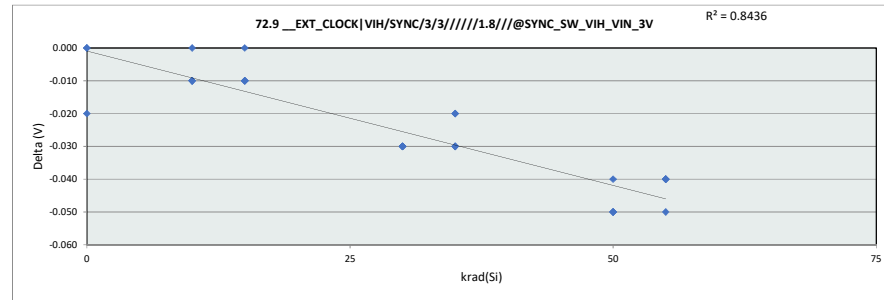


TID HDR Report

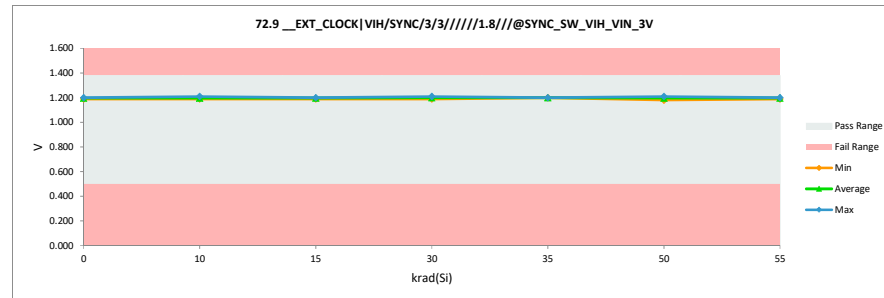
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.9 __EXT_CLOCK VIH/SYNC/3/3/////1.8/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.4	1.38		
Min Limit	0.324	0.5		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.200	1.200	0.000
0	98	1.180	1.200	-0.020
0	99	1.190	1.190	0.000
10	1	1.190	1.190	0.000
10	2	1.180	1.190	-0.010
10	3	1.180	1.190	-0.010
10	4	1.190	1.200	-0.010
10	5	1.200	1.210	-0.010
15	6	1.190	1.200	-0.010
15	7	1.190	1.200	-0.010
15	8	1.190	1.190	0.000
15	9	1.190	1.200	-0.010
15	10	1.190	1.200	-0.010
30	11	1.170	1.200	-0.030
30	12	1.180	1.210	-0.030
30	13	1.170	1.200	-0.030
30	14	1.160	1.190	-0.030
30	15	1.170	1.200	-0.030
35	16	1.180	1.200	-0.020
35	17	1.170	1.200	-0.030
35	18	1.170	1.200	-0.030
35	19	1.180	1.200	-0.020
35	20	1.170	1.200	-0.030
50	21	1.150	1.200	-0.050
50	22	1.160	1.200	-0.040
50	23	1.130	1.180	-0.050
50	24	1.150	1.200	-0.050
50	25	1.160	1.210	-0.050
55	26	1.160	1.200	-0.040
55	27	1.150	1.190	-0.040
55	28	1.160	1.200	-0.040
55	29	1.150	1.200	-0.050
55	31	1.160	1.200	-0.040
Max		1.200	1.210	0.000
Average		1.173	1.198	-0.025
Min		1.130	1.180	-0.050
Std Dev		0.017	0.006	0.017



72.9 __EXT_CLOCK VIH/SYNC							
Test Site							
Tester							
Test Number							
Max Limit	1.38	V					
Min Limit	0.5	V					
krad(Si)	0	10	15	30	35	50	55
LL	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Min	1.190	1.190	1.190	1.190	1.200	1.180	1.190
Average	1.197	1.196	1.198	1.200	1.200	1.198	1.198
Max	1.200	1.210	1.200	1.210	1.200	1.210	1.200
UL	1.380	1.380	1.380	1.380	1.380	1.380	1.380



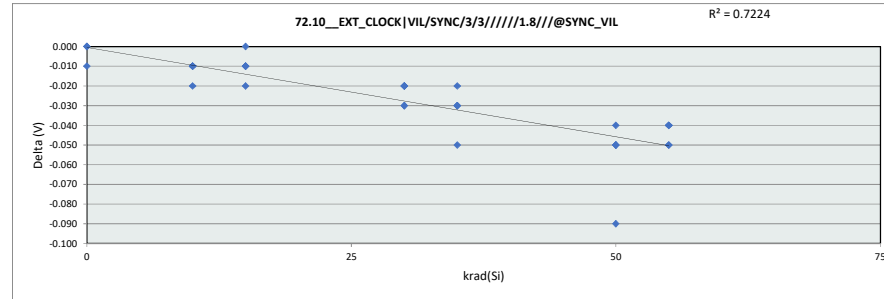
TID HDR Report

TPS7H4102-SEP

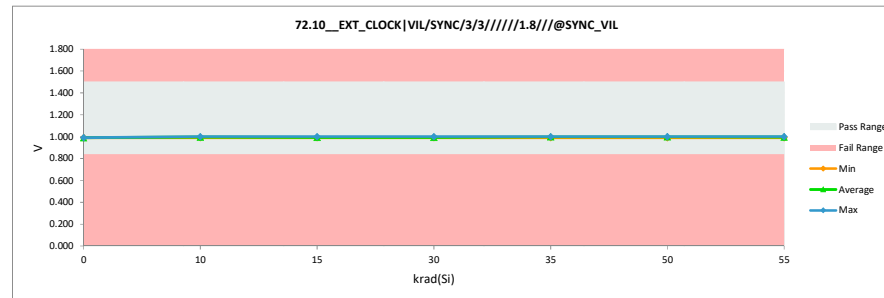
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.10_EXT_CLOCK VIL/SYNC/3/3/////1.8/	
Test Site	
Tester	
Test Number	
Unit	V
Max Limit	1.632
Min Limit	0.8

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.990	0.990	0.000
0	98	0.980	0.990	-0.010
0	99	0.990	0.990	0.000
10	1	0.980	0.990	-0.010
10	2	0.980	0.990	-0.010
10	3	0.980	1.000	-0.020
10	4	0.990	1.000	-0.010
10	5	0.990	1.000	-0.010
15	6	0.980	0.990	-0.010
15	7	0.980	1.000	-0.020
15	8	0.990	1.000	-0.010
15	9	0.980	0.990	-0.010
15	10	0.990	0.990	0.000
30	11	0.970	0.990	-0.020
30	12	0.980	1.000	-0.020
30	13	0.970	1.000	-0.030
30	14	0.960	0.990	-0.030
30	15	0.970	0.990	-0.020
35	16	0.970	0.990	-0.020
35	17	0.970	1.000	-0.030
35	18	0.970	1.000	-0.030
35	19	0.950	1.000	-0.050
35	20	0.970	1.000	-0.030
50	21	0.950	1.000	-0.050
50	22	0.950	1.000	-0.050
50	23	0.900	0.990	-0.090
50	24	0.950	1.000	-0.050
50	25	0.960	1.000	-0.040
55	26	0.960	1.000	-0.040
55	27	0.950	0.990	-0.040
55	28	0.950	1.000	-0.050
55	29	0.950	0.990	-0.040
55	31	0.950	1.000	-0.050
Max		0.990	1.000	0.000
Average		0.968	0.995	-0.027
Min		0.900	0.990	-0.090
Std Dev		0.019	0.005	0.020



72.10_EXT_CLOCK VIL/SYNC	
Test Site	
Tester	
Test Number	
Max Limit	1.5 V
Min Limit	0.84 V
krad(Si)	0101530355055
LL	0.8400.8400.8400.8400.8400.8400.840
Min	0.9900.9900.9900.9900.9900.9900.990
Average	0.9900.9960.9940.9940.9980.9980.996
Max	0.9901.0001.0001.0001.0001.0001.000
UL	1.5001.5001.5001.5001.5001.5001.500

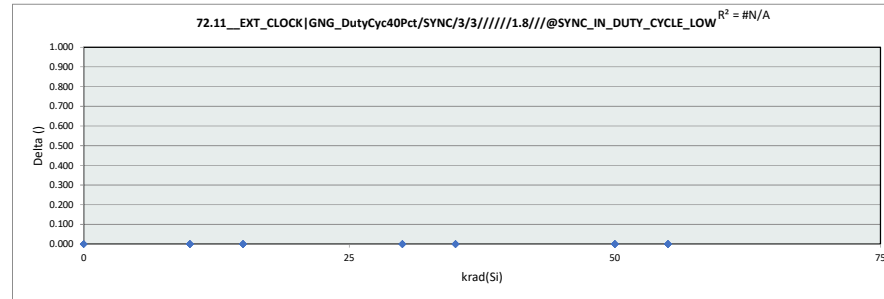


TID HDR Report

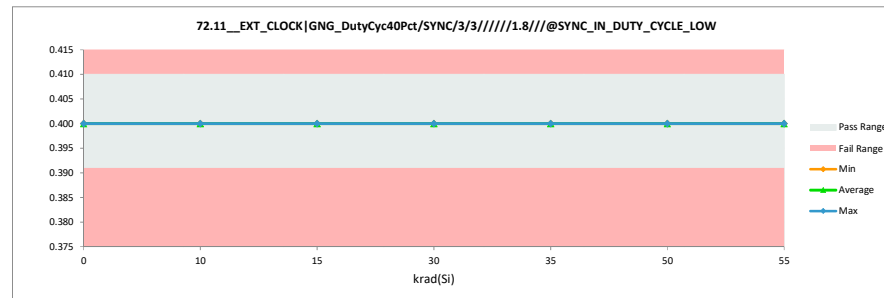
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.11_EXT_CLOCK GNG_DutyCyc40Pct/SYNC				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.4138	0.41		
Min Limit	0.39	0.391		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.400	0.400	0.000
0	98	0.400	0.400	0.000
0	99	0.400	0.400	0.000
10	1	0.400	0.400	0.000
10	2	0.400	0.400	0.000
10	3	0.400	0.400	0.000
10	4	0.400	0.400	0.000
10	5	0.400	0.400	0.000
15	6	0.400	0.400	0.000
15	7	0.400	0.400	0.000
15	8	0.400	0.400	0.000
15	9	0.400	0.400	0.000
15	10	0.400	0.400	0.000
30	11	0.400	0.400	0.000
30	12	0.400	0.400	0.000
30	13	0.400	0.400	0.000
30	14	0.400	0.400	0.000
30	15	0.400	0.400	0.000
35	16	0.400	0.400	0.000
35	17	0.400	0.400	0.000
35	18	0.400	0.400	0.000
35	19	0.400	0.400	0.000
35	20	0.400	0.400	0.000
50	21	0.400	0.400	0.000
50	22	0.400	0.400	0.000
50	23	0.400	0.400	0.000
50	24	0.400	0.400	0.000
50	25	0.400	0.400	0.000
55	26	0.400	0.400	0.000
55	27	0.400	0.400	0.000
55	28	0.400	0.400	0.000
55	29	0.400	0.400	0.000
55	31	0.400	0.400	0.000
Max		0.400	0.400	0.000
Average		0.400	0.400	0.000
Min		0.400	0.400	0.000
Std Dev		0.000	0.000	0.000



72.11_EXT_CLOCK GNG_DutyCyc40Pct/SYNC/3/3/////1.8///@SYNC_IN_DUTY_CYCLE_LOW							
Test Site							
Tester							
Test Number							
Max Limit	0.41						
Min Limit	0.391						
krad(Si)	0	10	15	30	35	50	55
LL	0.391	0.391	0.391	0.391	0.391	0.391	0.391
Min	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Average	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Max	0.400	0.400	0.400	0.400	0.400	0.400	0.400
UL	0.410	0.410	0.410	0.410	0.410	0.410	0.410

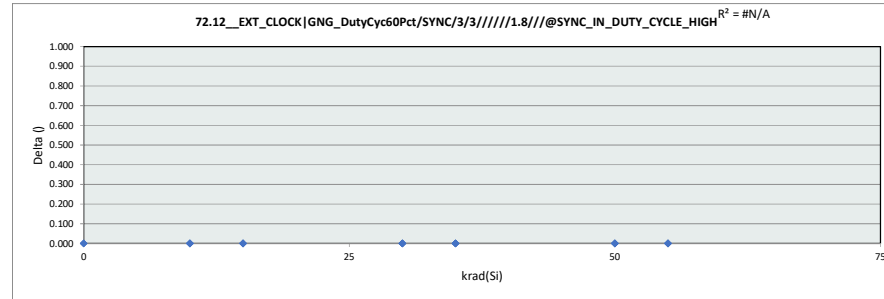


TID HDR Report

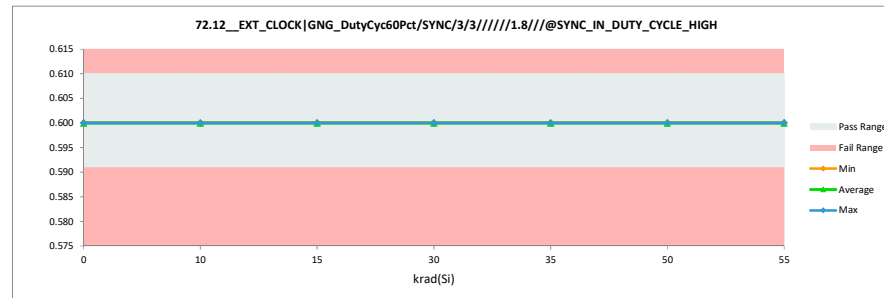
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.12_EXT_CLOCK GNG_DutyCyc60Pct/SYNC				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.6138	0.61		
Min Limit	0.59	0.591		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.600	0.600	0.000
0	98	0.600	0.600	0.000
0	99	0.600	0.600	0.000
10	1	0.600	0.600	0.000
10	2	0.600	0.600	0.000
10	3	0.600	0.600	0.000
10	4	0.600	0.600	0.000
10	5	0.600	0.600	0.000
15	6	0.600	0.600	0.000
15	7	0.600	0.600	0.000
15	8	0.600	0.600	0.000
15	9	0.600	0.600	0.000
15	10	0.600	0.600	0.000
30	11	0.600	0.600	0.000
30	12	0.600	0.600	0.000
30	13	0.600	0.600	0.000
30	14	0.600	0.600	0.000
30	15	0.600	0.600	0.000
35	16	0.600	0.600	0.000
35	17	0.600	0.600	0.000
35	18	0.600	0.600	0.000
35	19	0.600	0.600	0.000
35	20	0.600	0.600	0.000
50	21	0.600	0.600	0.000
50	22	0.600	0.600	0.000
50	23	0.600	0.600	0.000
50	24	0.600	0.600	0.000
50	25	0.600	0.600	0.000
55	26	0.600	0.600	0.000
55	27	0.600	0.600	0.000
55	28	0.600	0.600	0.000
55	29	0.600	0.600	0.000
55	31	0.600	0.600	0.000
	Max	0.600	0.600	0.000
	Average	0.600	0.600	0.000
	Min	0.600	0.600	0.000
	Std Dev	0.000	0.000	0.000



72.12_EXT_CLOCK GNG_DutyCyc60Pct/SYNC/3/3/////1.8///@SYNC_IN_DUTY_CYCLE_HIGH							
Test Site							
Tester							
Test Number							
Max Limit	0.61						
Min Limit	0.591						
krad(Si)	0	10	15	30	35	50	55
LL	0.591	0.591	0.591	0.591	0.591	0.591	0.591
Min	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Average	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Max	0.600	0.600	0.600	0.600	0.600	0.600	0.600
UL	0.610	0.610	0.610	0.610	0.610	0.610	0.610



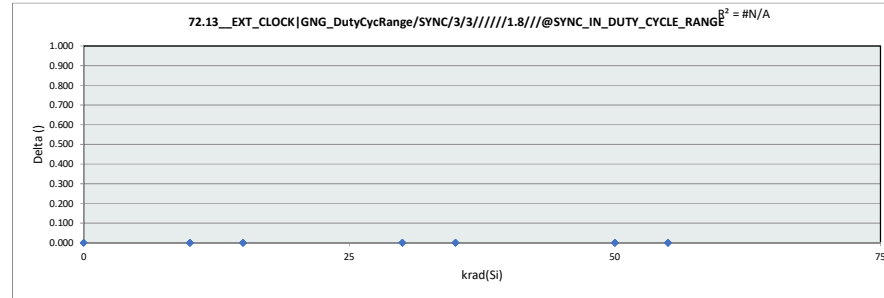
TID HDR Report

TPS7H4102-SEP

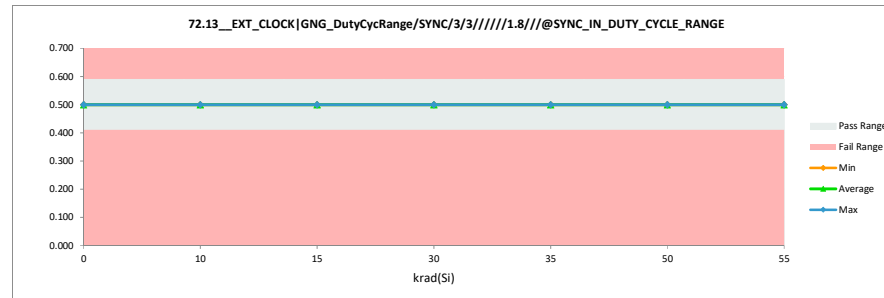
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.13_EXT_CLOCK GNG_DutyCycRange/SYNC			
Test Site			
Tester			
Test Number			
Unit			
Max Limit	0.6	0.59	
Min Limit	0.4	0.41	

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.500	0.500	0.000
0	98	0.500	0.500	0.000
0	99	0.500	0.500	0.000
10	1	0.500	0.500	0.000
10	2	0.500	0.500	0.000
10	3	0.500	0.500	0.000
10	4	0.500	0.500	0.000
10	5	0.500	0.500	0.000
15	6	0.500	0.500	0.000
15	7	0.500	0.500	0.000
15	8	0.500	0.500	0.000
15	9	0.500	0.500	0.000
15	10	0.500	0.500	0.000
30	11	0.500	0.500	0.000
30	12	0.500	0.500	0.000
30	13	0.500	0.500	0.000
30	14	0.500	0.500	0.000
30	15	0.500	0.500	0.000
35	16	0.500	0.500	0.000
35	17	0.500	0.500	0.000
35	18	0.500	0.500	0.000
35	19	0.500	0.500	0.000
35	20	0.500	0.500	0.000
50	21	0.500	0.500	0.000
50	22	0.500	0.500	0.000
50	23	0.500	0.500	0.000
50	24	0.500	0.500	0.000
50	25	0.500	0.500	0.000
55	26	0.500	0.500	0.000
55	27	0.500	0.500	0.000
55	28	0.500	0.500	0.000
55	29	0.500	0.500	0.000
55	31	0.500	0.500	0.000
Max		0.500	0.500	0.000
Average		0.500	0.500	0.000
Min		0.500	0.500	0.000
Std Dev		0.000	0.000	0.000



72.13_EXT_CLOCK GNG_DutyCycRange/SYNC/3/3/////1.8///@SYNC_IN_DUTY_CYCLE_RANGE							
Test Site							
Tester							
Test Number							
Max Limit	0.59						
Min Limit	0.41						
krad(Si)	0	10	15	30	35	50	55
LL	0.410	0.410	0.410	0.410	0.410	0.410	0.410
Min	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Average	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Max	0.500	0.500	0.500	0.500	0.500	0.500	0.500
UL	0.590	0.590	0.590	0.590	0.590	0.590	0.590

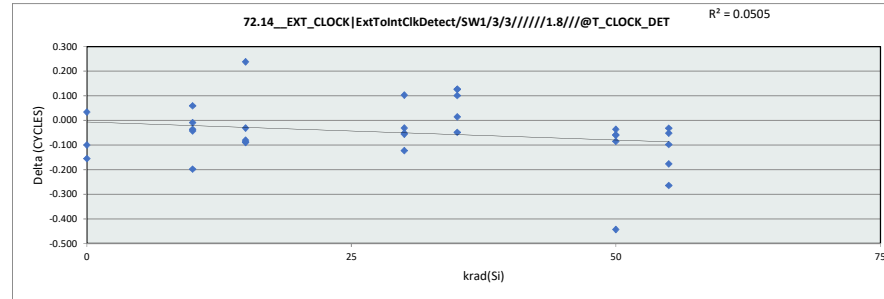


TID HDR Report

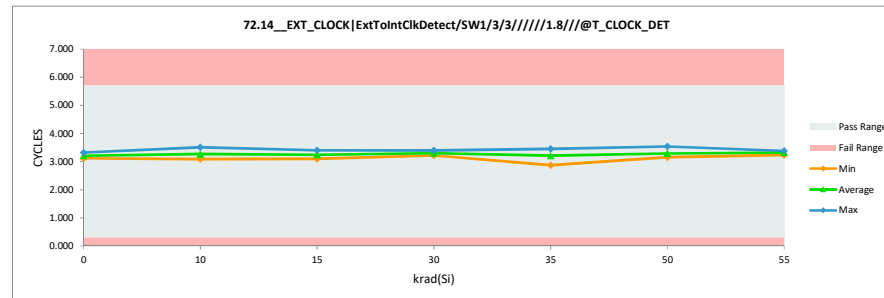
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.14_EXT_CLOCK ExtToIntClkDetect/SW1/3/3/1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	-0.78	0.3		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.963	3.118	-0.155
0	98	3.225	3.191	0.034
0	99	3.224	3.325	-0.100
10	1	3.202	3.239	-0.036
10	2	3.046	3.089	-0.043
10	3	3.313	3.511	-0.198
10	4	3.237	3.247	-0.009
10	5	3.334	3.274	0.059
15	6	3.320	3.401	-0.081
15	7	3.012	3.100	-0.088
15	8	3.208	3.298	-0.090
15	9	3.279	3.310	-0.032
15	10	3.357	3.119	0.238
30	11	3.235	3.291	-0.056
30	12	3.346	3.398	-0.052
30	13	3.324	3.222	0.102
30	14	3.288	3.319	-0.031
30	15	3.158	3.281	-0.123
35	16	3.314	3.363	-0.049
35	17	3.469	3.454	0.015
35	18	3.349	3.223	0.127
35	19	2.974	2.873	0.101
35	20	3.291	3.165	0.126
50	21	3.096	3.156	-0.060
50	22	3.281	3.366	-0.085
50	23	3.154	3.213	-0.059
50	24	3.098	3.541	-0.443
50	25	3.140	3.176	-0.036
55	26	3.092	3.356	-0.264
55	27	3.330	3.382	-0.052
55	28	3.204	3.303	-0.098
55	29	3.204	3.236	-0.032
55	31	3.155	3.332	-0.177
Max		3.469	3.541	0.238
Average		3.219	3.269	-0.050
Min		2.963	2.873	-0.443
Std Dev		0.120	0.133	0.123



72.14_EXT_CLOCK ExtToIntClkDetect/SW1/3/3/1.8///@T_CLOCK_DET							
Test Site							
Tester							
Test Number							
Max Limit	5.7	CYCLES					
Min Limit	0.3	CYCLES					
krad(Si)	0	10	15	30	35	50	55
LL	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Min	3.118	3.089	3.100	3.222	2.873	3.156	3.236
Average	3.211	3.272	3.246	3.302	3.216	3.290	3.322
Max	3.325	3.512	3.401	3.398	3.455	3.541	3.382
UL	5.700	5.700	5.700	5.700	5.700	5.700	5.700

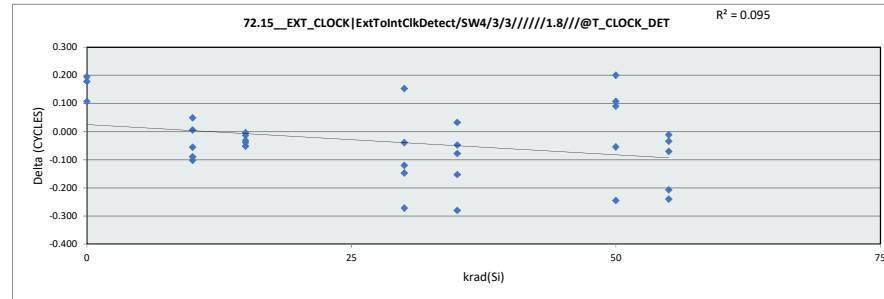


TID HDR Report

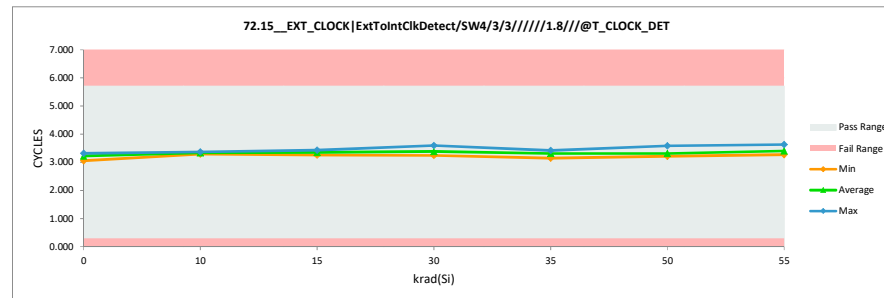
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.15_EXT_CLOCK ExtToIntClkDetect/SW4/3				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	-0.78	0.3		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	3.407	3.300	0.107
0	98	3.513	3.318	0.195
0	99	3.235	3.057	0.178
10	1	3.340	3.292	0.049
10	2	3.350	3.344	0.006
10	3	3.277	3.366	-0.089
10	4	3.305	3.361	-0.055
10	5	3.196	3.299	-0.103
15	6	3.382	3.434	-0.052
15	7	3.338	3.370	-0.032
15	8	3.328	3.342	-0.014
15	9	3.253	3.257	-0.004
15	10	3.310	3.349	-0.039
30	11	3.485	3.332	0.153
30	12	3.399	3.438	-0.039
30	13	3.099	3.246	-0.147
30	14	3.036	3.308	-0.272
30	15	3.476	3.596	-0.120
35	16	3.172	3.250	-0.078
35	17	3.287	3.335	-0.048
35	18	3.141	3.421	-0.280
35	19	3.267	3.420	-0.153
35	20	3.179	3.146	0.033
50	21	3.356	3.249	0.107
50	22	3.342	3.587	-0.245
50	23	3.305	3.215	0.090
50	24	3.179	3.233	-0.055
50	25	3.466	3.266	0.200
55	26	3.426	3.632	-0.207
55	27	3.267	3.279	-0.012
55	28	3.199	3.270	-0.071
55	29	3.315	3.349	-0.034
55	31	3.250	3.490	-0.240
Max		3.513	3.632	0.200
Average		3.299	3.338	-0.038
Min		3.036	3.057	-0.280
Std Dev		0.113	0.121	0.130



72.15_EXT_CLOCK ExtToIntClkDetect/SW4/3/3/1.8///@T_CLOCK_DET							
Test Site							
Tester							
Test Number							
Max Limit	5.7	CYCLES					
Min Limit	0.3	CYCLES					
krad(Si)	0	10	15	30	35	50	55
LL	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Min	3.057	3.292	3.257	3.246	3.146	3.215	3.270
Average	3.225	3.332	3.350	3.384	3.314	3.310	3.404
Max	3.318	3.366	3.434	3.596	3.421	3.587	3.633
UL	5.700	5.700	5.700	5.700	5.700	5.700	5.700

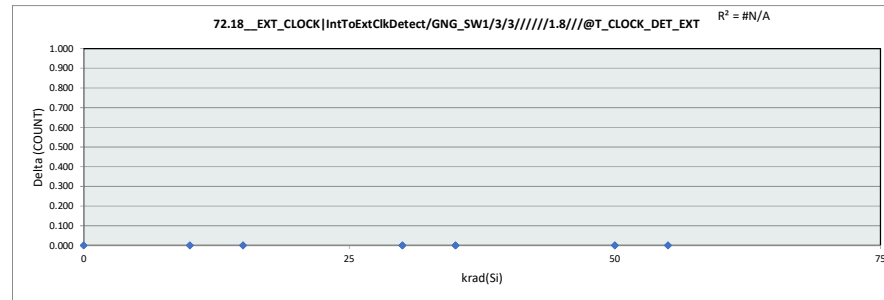


TID HDR Report

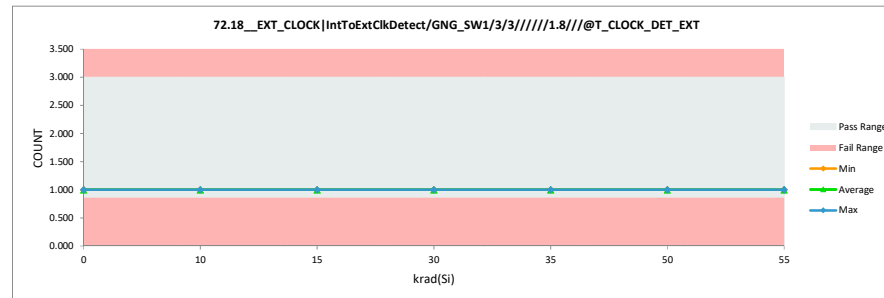
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

72.18_EXT_CLOCK IntToExtClkDetect/GNG_S				
Test Site				
Tester				
Test Number				
Unit	COUNT	COUNT		
Max Limit	3	3		
Min Limit	0.432	0.86		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.000	1.000	0.000
0	98	1.000	1.000	0.000
0	99	1.000	1.000	0.000
10	1	1.000	1.000	0.000
10	2	1.000	1.000	0.000
10	3	1.000	1.000	0.000
10	4	1.000	1.000	0.000
10	5	1.000	1.000	0.000
15	6	1.000	1.000	0.000
15	7	1.000	1.000	0.000
15	8	1.000	1.000	0.000
15	9	1.000	1.000	0.000
15	10	1.000	1.000	0.000
30	11	1.000	1.000	0.000
30	12	1.000	1.000	0.000
30	13	1.000	1.000	0.000
30	14	1.000	1.000	0.000
30	15	1.000	1.000	0.000
35	16	1.000	1.000	0.000
35	17	1.000	1.000	0.000
35	18	1.000	1.000	0.000
35	19	1.000	1.000	0.000
35	20	1.000	1.000	0.000
50	21	1.000	1.000	0.000
50	22	1.000	1.000	0.000
50	23	1.000	1.000	0.000
50	24	1.000	1.000	0.000
50	25	1.000	1.000	0.000
55	26	1.000	1.000	0.000
55	27	1.000	1.000	0.000
55	28	1.000	1.000	0.000
55	29	1.000	1.000	0.000
55	31	1.000	1.000	0.000
Max		1.000	1.000	0.000
Average		1.000	1.000	0.000
Min		1.000	1.000	0.000
Std Dev		0.000	0.000	0.000



72.18_EXT_CLOCK IntToExtClkDetect/GNG_SW1/3/3/////1.8///@T_CLOCK_DET_EXT							
Test Site							
Tester							
Test Number							
Max Limit	3	COUNT					
Min Limit	0.86	COUNT					
krad(Si)	0	10	15	30	35	50	55
LL	0.860	0.860	0.860	0.860	0.860	0.860	0.860
Min	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Average	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Max	1.000	1.000	1.000	1.000	1.000	1.000	1.000
UL	3.000	3.000	3.000	3.000	3.000	3.000	3.000



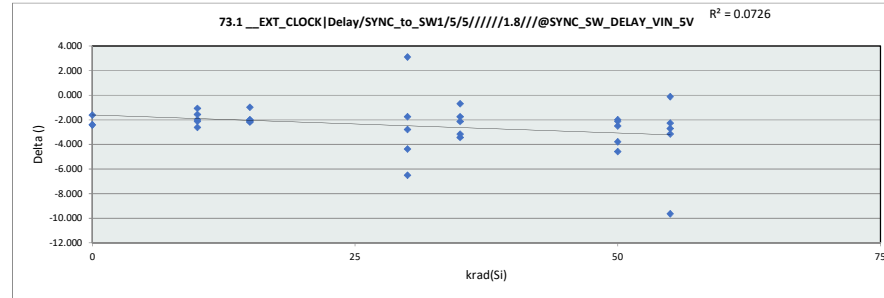
TID HDR Report

TPS7H4102-SEP

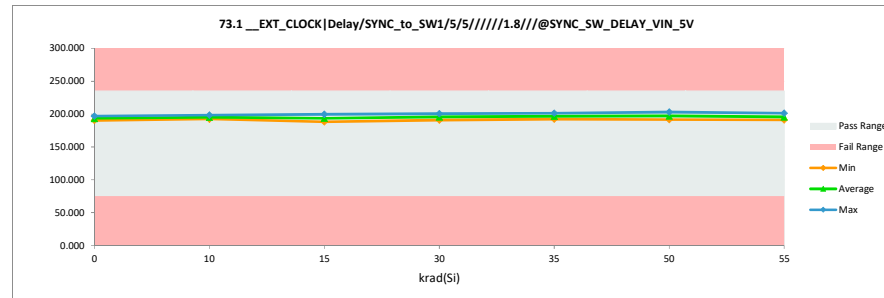
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

73.1 __EXT_CLOCK Delay/SYNC_to_SW1/5/5/		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	240	235
Min Limit	44.2	75

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	190.646	193.057	-2.412
0	98	195.286	196.901	-1.615
0	99	187.906	190.315	-2.409
10	1	189.853	192.470	-2.617
10	2	193.358	194.915	-1.556
10	3	192.652	194.773	-2.121
10	4	197.342	198.415	-1.073
10	5	193.897	195.892	-1.995
15	6	191.929	193.917	-1.988
15	7	186.103	188.126	-2.023
15	8	191.141	193.257	-2.117
15	9	191.026	193.207	-2.181
15	10	198.731	199.705	-0.974
30	11	196.191	200.559	-4.368
30	12	192.333	198.833	-6.501
30	13	194.128	196.918	-2.791
30	14	189.656	191.395	-1.739
30	15	193.937	190.831	3.105
35	16	195.103	198.537	-3.434
35	17	191.720	192.409	-0.690
35	18	199.283	201.413	-2.130
35	19	193.034	194.781	-1.746
35	20	192.994	196.160	-3.167
50	21	189.686	191.683	-1.997
50	22	200.520	203.016	-2.497
50	23	193.074	197.657	-4.583
50	24	196.167	198.288	-2.121
50	25	191.597	195.389	-3.792
55	26	191.758	201.401	-9.643
55	27	191.060	191.181	-0.122
55	28	189.912	192.621	-2.709
55	29	195.086	197.353	-2.267
55	31	193.481	196.630	-3.149
Max		200.520	203.016	3.105
Average		193.048	195.515	-2.467
Min		186.103	188.126	-9.643
Std Dev		3.181	3.625	1.997



73.1 __EXT_CLOCK Delay/SYN							
Test Site							
Tester							
Test Number							
Max Limit	235						
Min Limit	75						
krad(Si)	0	10	15	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Min	190.315	192.470	188.126	190.831	192.409	191.683	191.181
Average	193.424	195.293	193.642	195.707	196.660	197.207	195.837
Max	196.901	198.415	199.705	200.559	201.413	203.016	201.401
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000



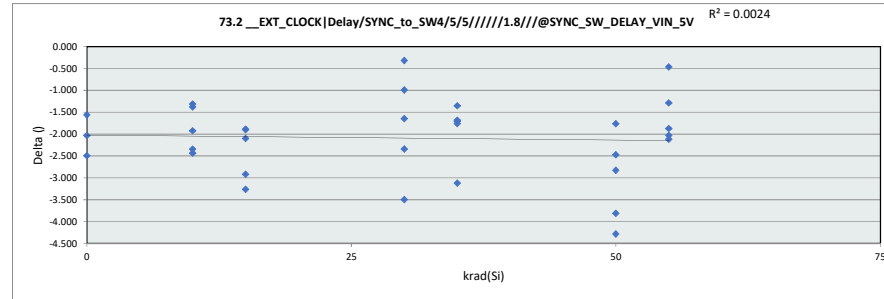
TID HDR Report

TPS7H4102-SEP

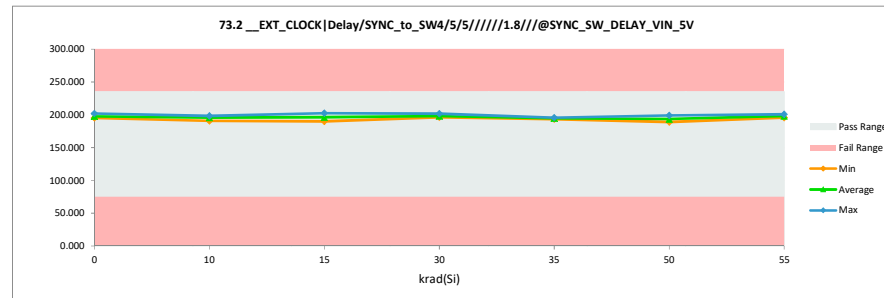
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

73.2 __EXT_CLOCK Delay/SYNC_to_SW4/5/5/			
Test Site			
Tester			
Test Number			
Unit			
Max Limit	240	235	
Min Limit	44.2	75	

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	199.471	201.965	-2.495
0	98	193.618	195.182	-1.564
0	99	192.974	195.008	-2.034
10	1	195.879	198.314	-2.435
10	2	196.309	198.236	-1.926
10	3	196.596	197.910	-1.314
10	4	188.358	190.704	-2.346
10	5	191.915	193.294	-1.379
15	6	187.831	189.932	-2.102
15	7	199.024	202.287	-3.264
15	8	194.147	196.041	-1.894
15	9	194.419	197.340	-2.920
15	10	193.975	195.868	-1.893
30	11	197.788	198.109	-0.322
30	12	193.639	197.134	-3.496
30	13	194.227	196.568	-2.340
30	14	195.092	196.085	-0.993
30	15	199.942	201.589	-1.647
35	16	192.537	195.656	-3.119
35	17	193.448	195.133	-1.685
35	18	192.048	193.810	-1.761
35	19	193.109	194.817	-1.708
35	20	192.089	193.444	-1.355
50	21	192.986	194.748	-1.762
50	22	186.430	188.903	-2.473
50	23	185.952	189.764	-3.812
50	24	190.572	194.854	-4.282
50	25	196.241	199.069	-2.828
55	26	195.836	197.955	-2.119
55	27	198.977	199.442	-0.465
55	28	194.296	195.584	-1.287
55	29	198.889	200.764	-1.875
55	31	195.203	197.235	-2.032
Max		199.942	202.287	-0.322
Average		194.055	196.144	-2.089
Min		185.952	188.903	-4.282
Std Dev		3.542	3.338	0.873



73.2 __EXT_CLOCK Delay/SYN							
Test Site							
Tester							
Test Number							
Max Limit	235						
Min Limit	75						
krad(Si)	0	10	15	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Min	195.008	190.704	189.933	196.085	193.444	188.903	195.584
Average	197.385	195.692	196.294	197.897	194.572	193.468	198.196
Max	201.966	198.314	202.287	201.589	195.656	199.069	200.764
UL	235.000	235.000	235.000	235.000	235.000	235.000	235.000

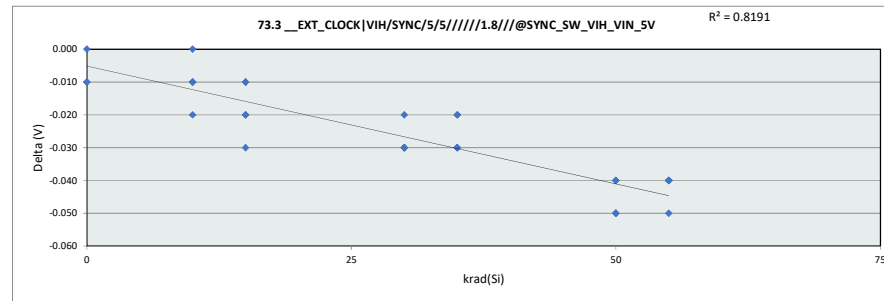


TID HDR Report

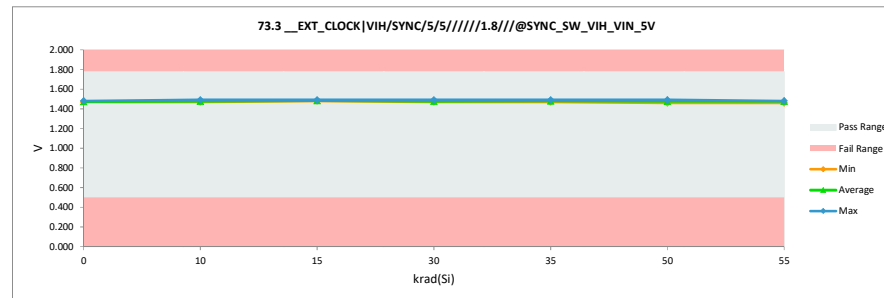
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

73.3 __EXT_CLOCK VIH/SYNC/5/5/////1.8/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.8	1.775		
Min Limit	0.245	0.5		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.470	1.480	-0.010
0	98	1.470	1.470	0.000
0	99	1.460	1.470	-0.010
10	1	1.460	1.470	-0.010
10	2	1.470	1.470	0.000
10	3	1.460	1.470	-0.010
10	4	1.470	1.480	-0.010
10	5	1.470	1.490	-0.020
15	6	1.470	1.480	-0.010
15	7	1.450	1.480	-0.030
15	8	1.470	1.490	-0.020
15	9	1.460	1.480	-0.020
15	10	1.470	1.480	-0.010
30	11	1.450	1.480	-0.030
30	12	1.460	1.490	-0.030
30	13	1.450	1.480	-0.030
30	14	1.440	1.470	-0.030
30	15	1.450	1.470	-0.020
35	16	1.460	1.480	-0.020
35	17	1.450	1.480	-0.030
35	18	1.450	1.470	-0.020
35	19	1.460	1.490	-0.030
35	20	1.450	1.480	-0.030
50	21	1.430	1.470	-0.040
50	22	1.440	1.480	-0.040
50	23	1.410	1.460	-0.050
50	24	1.430	1.480	-0.050
50	25	1.440	1.490	-0.050
55	26	1.440	1.480	-0.040
55	27	1.420	1.460	-0.040
55	28	1.440	1.480	-0.040
55	29	1.430	1.480	-0.050
55	31	1.440	1.480	-0.040
Max		1.470	1.490	0.000
Average		1.451	1.478	-0.026
Min		1.410	1.460	-0.050
Std Dev		0.016	0.008	0.015



73.3 __EXT_CLOCK VIH/SYNC							
Test Site							
Tester							
Test Number							
Max Limit	1.775	V					
Min Limit	0.5	V					
krad(Si)	0	10	15	30	35	50	55
LL	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Min	1.470	1.470	1.480	1.470	1.470	1.460	1.460
Average	1.473	1.476	1.482	1.478	1.480	1.476	1.476
Max	1.480	1.490	1.490	1.490	1.490	1.490	1.480
UL	1.775	1.775	1.775	1.775	1.775	1.775	1.775



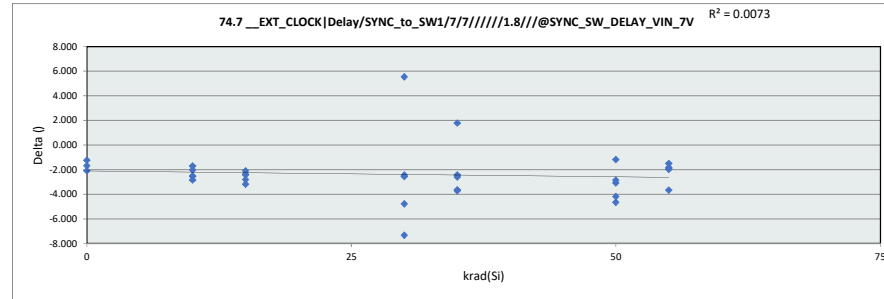
TID HDR Report

TPS7H4102-SEP

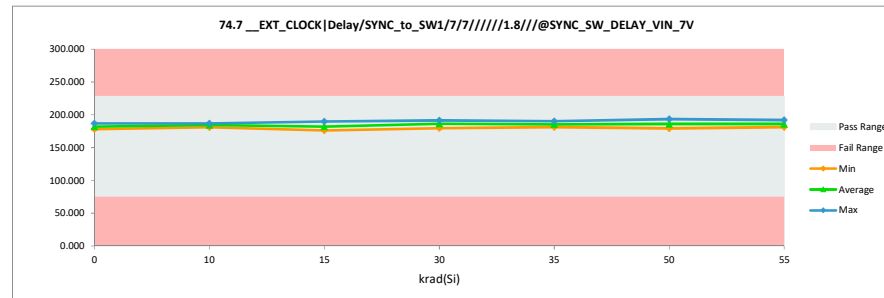
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.7 __EXT_CLOCK Delay/SYNC_to_SW1/7/7		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	238	228
Min Limit	45.2	75

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	178.629	180.721	-2.092
0	98	185.178	186.873	-1.695
0	99	176.675	177.917	-1.242
10	1	178.085	180.937	-2.852
10	2	183.767	185.471	-1.703
10	3	183.223	185.765	-2.542
10	4	180.374	182.402	-2.027
10	5	184.300	186.817	-2.518
15	6	179.415	181.839	-2.424
15	7	174.024	176.134	-2.110
15	8	178.135	180.943	-2.808
15	9	178.490	180.869	-2.380
15	10	186.522	189.710	-3.188
30	11	184.028	191.353	-7.325
30	12	187.372	189.928	-2.556
30	13	185.442	187.893	-2.451
30	14	177.726	182.513	-4.787
30	15	185.074	179.536	5.539
35	16	182.712	186.358	-3.646
35	17	182.930	181.151	1.779
35	18	187.769	190.204	-2.435
35	19	179.948	182.545	-2.597
35	20	182.444	186.164	-3.720
50	21	176.204	179.287	-3.083
50	22	190.555	193.411	-2.856
50	23	180.441	185.095	-4.654
50	24	187.902	189.081	-1.179
50	25	179.770	183.956	-4.186
55	26	189.892	191.819	-1.927
55	27	180.756	182.255	-1.500
55	28	177.497	181.167	-3.670
55	29	184.942	186.919	-1.977
55	31	186.548	188.368	-1.820
Max		190.555	193.411	5.539
Average		182.326	184.709	-2.383
Min		174.024	176.134	-7.325
Std Dev		4.207	4.351	2.024



74.7 __EXT_CLOCK Delay/SYN							
Test Site							
Tester							
Test Number							
Max Limit	228						
Min Limit	75						
krad(Si)	0	10	15	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Min	177.917	180.937	176.134	179.536	181.151	179.287	181.167
Average	181.837	184.278	181.899	186.245	185.284	186.166	186.106
Max	186.873	186.817	189.710	191.353	190.204	193.412	191.819
UL	228.000	228.000	228.000	228.000	228.000	228.000	228.000

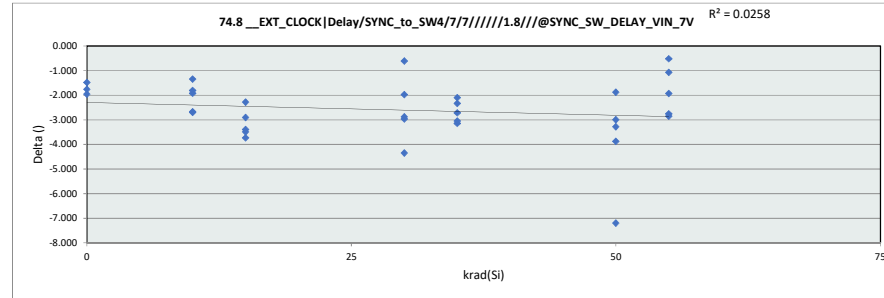


TID HDR Report

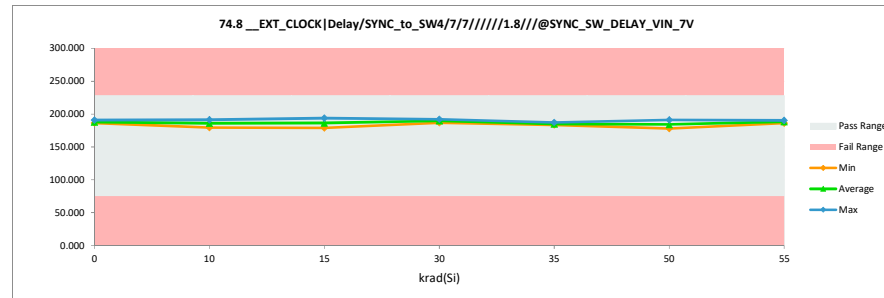
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.8 __EXT_CLOCK Delay/SYNC_to_SW4/7/7/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	238		228	
Min Limit	45.2		75	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	189.090	190.848	-1.758
0	98	184.994	186.948	-1.954
0	99	184.980	186.460	-1.480
10	1	185.461	188.160	-2.700
10	2	188.820	191.491	-2.671
10	3	187.337	189.144	-1.807
10	4	177.511	179.437	-1.926
10	5	180.944	182.290	-1.346
15	6	176.658	178.939	-2.280
15	7	190.295	193.787	-3.492
15	8	184.498	187.892	-3.394
15	9	183.428	187.161	-3.733
15	10	182.539	185.445	-2.906
30	11	189.111	192.074	-2.963
30	12	185.372	189.721	-4.349
30	13	183.875	186.755	-2.881
30	14	186.507	188.479	-1.973
30	15	191.361	191.967	-0.606
35	16	184.025	187.170	-3.145
35	17	183.198	185.529	-2.331
35	18	182.454	185.502	-3.048
35	19	181.879	183.979	-2.100
35	20	180.835	183.549	-2.714
50	21	183.551	186.544	-2.993
50	22	176.020	177.896	-1.876
50	23	174.485	178.358	-3.873
50	24	179.755	186.954	-7.199
50	25	187.842	191.127	-3.285
55	26	187.927	188.995	-1.068
55	27	189.143	189.662	-0.519
55	28	183.612	186.364	-2.752
55	29	188.618	190.548	-1.930
55	31	184.565	187.416	-2.852
Max		191.361	193.787	-0.519
Average		184.263	186.866	-2.603
Min		174.485	177.896	-7.199
Std Dev		4.208	4.027	1.219



74.8 __EXT_CLOCK Delay/SYN							
Test Site							
Tester							
Test Number							
Max Limit	228						
Min Limit	75						
krad(Si)	0	10	15	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000	75.000	75.000
Min	186.460	179.437	178.939	186.755	183.549	177.896	186.364
Average	188.085	186.104	186.645	189.799	185.146	184.176	188.597
Max	190.848	191.491	193.787	192.074	187.170	191.127	190.548
UL	228.000	228.000	228.000	228.000	228.000	228.000	228.000

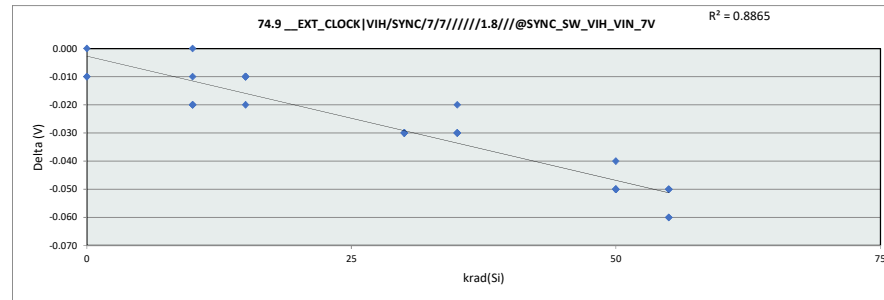


TID HDR Report

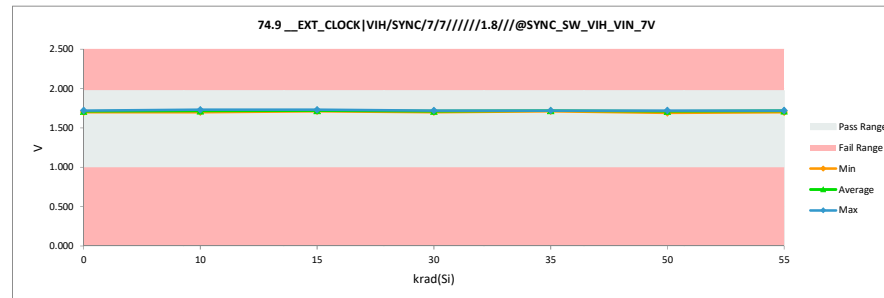
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.9 __EXT_CLOCK VIH/SYNC/7/7/////1.8/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2	1.97		
Min Limit	0.806	1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.710	1.720	-0.010
0	98	1.700	1.710	-0.010
0	99	1.700	1.700	0.000
10	1	1.690	1.710	-0.020
10	2	1.690	1.700	-0.010
10	3	1.710	1.710	0.000
10	4	1.710	1.730	-0.020
10	5	1.710	1.730	-0.020
15	6	1.710	1.720	-0.010
15	7	1.700	1.710	-0.010
15	8	1.710	1.730	-0.020
15	9	1.700	1.710	-0.010
15	10	1.710	1.720	-0.010
30	11	1.690	1.720	-0.030
30	12	1.680	1.710	-0.030
30	13	1.690	1.720	-0.030
30	14	1.670	1.700	-0.030
30	15	1.680	1.710	-0.030
35	16	1.690	1.720	-0.030
35	17	1.690	1.710	-0.020
35	18	1.690	1.720	-0.030
35	19	1.690	1.720	-0.030
35	20	1.690	1.720	-0.030
50	21	1.660	1.710	-0.050
50	22	1.670	1.720	-0.050
50	23	1.640	1.690	-0.050
50	24	1.670	1.720	-0.050
50	25	1.670	1.710	-0.040
55	26	1.670	1.720	-0.050
55	27	1.650	1.700	-0.050
55	28	1.660	1.720	-0.060
55	29	1.660	1.720	-0.060
55	31	1.670	1.720	-0.050
Max		1.710	1.730	0.000
Average		1.686	1.715	-0.029
Min		1.640	1.690	-0.060
Std Dev		0.019	0.009	0.017



74.9 __EXT_CLOCK VIH/SYNC							
Test Site							
Tester							
Test Number							
Max Limit	1.97	V					
Min Limit	1	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.700	1.700	1.710	1.700	1.710	1.690	1.700
Average	1.710	1.716	1.718	1.712	1.718	1.710	1.716
Max	1.720	1.730	1.730	1.720	1.720	1.720	1.720
UL	1.970	1.970	1.970	1.970	1.970	1.970	1.970

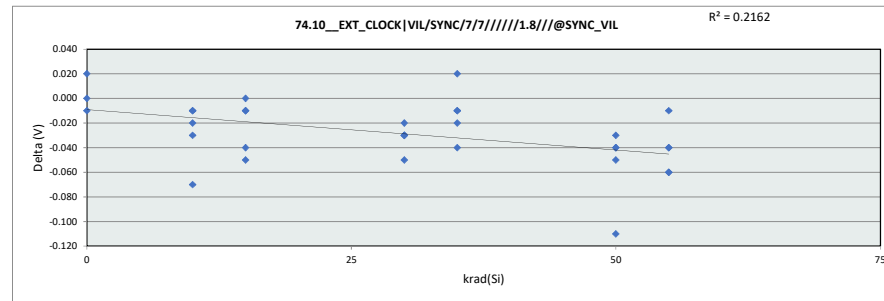


TID HDR Report

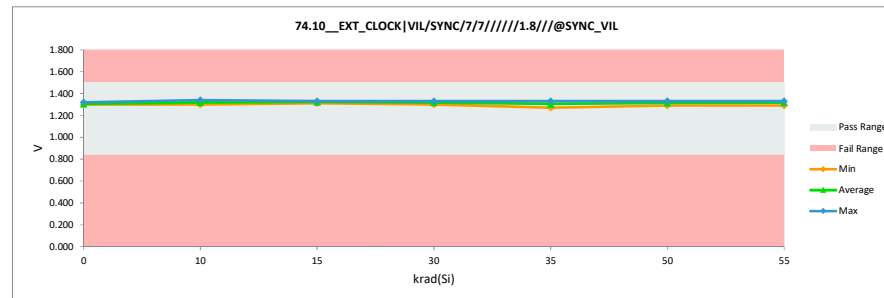
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.10_EXT_CLOCK VIL/SYNC/7/7/////1.8/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.632	1.5		
Min Limit	0.8	0.84		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.320	1.300	0.020
0	98	1.310	1.320	-0.010
0	99	1.300	1.300	0.000
10	1	1.300	1.310	-0.010
10	2	1.290	1.320	-0.030
10	3	1.250	1.320	-0.070
10	4	1.320	1.340	-0.020
10	5	1.290	1.300	-0.010
15	6	1.320	1.330	-0.010
15	7	1.320	1.330	-0.010
15	8	1.270	1.320	-0.050
15	9	1.290	1.330	-0.040
15	10	1.310	1.310	0.000
30	11	1.310	1.330	-0.020
30	12	1.290	1.320	-0.030
30	13	1.290	1.320	-0.030
30	14	1.250	1.300	-0.050
30	15	1.290	1.320	-0.030
35	16	1.290	1.330	-0.040
35	17	1.300	1.310	-0.010
35	18	1.310	1.330	-0.020
35	19	1.260	1.270	-0.010
35	20	1.300	1.280	0.020
50	21	1.270	1.320	-0.050
50	22	1.290	1.330	-0.040
50	23	1.180	1.290	-0.110
50	24	1.270	1.310	-0.040
50	25	1.290	1.320	-0.030
55	26	1.280	1.320	-0.040
55	27	1.270	1.310	-0.040
55	28	1.270	1.330	-0.060
55	29	1.280	1.290	-0.010
55	31	1.270	1.330	-0.060
Max		1.320	1.340	0.020
Average		1.286	1.315	-0.028
Min		1.180	1.270	-0.110
Std Dev		0.027	0.016	0.026



74.10_EXT_CLOCK VIL/SYNC/7/7/////1.8//@SYNC_VIL							
Test Site							
Tester							
Test Number							
Max Limit	1.5	V					
Min Limit	0.84	V					
krad(Si)	0	10	15	30	35	50	55
LL	0.840	0.840	0.840	0.840	0.840	0.840	0.840
Min	1.300	1.300	1.310	1.300	1.270	1.290	1.290
Average	1.307	1.318	1.324	1.318	1.304	1.314	1.316
Max	1.320	1.340	1.330	1.330	1.330	1.330	1.330
UL	1.500	1.500	1.500	1.500	1.500	1.500	1.500



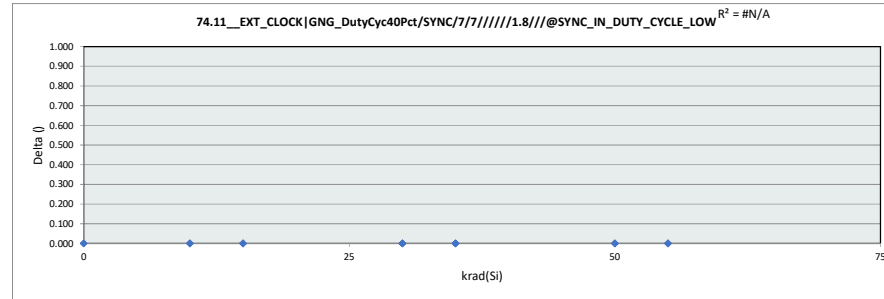
TID HDR Report

TPS7H4102-SEP

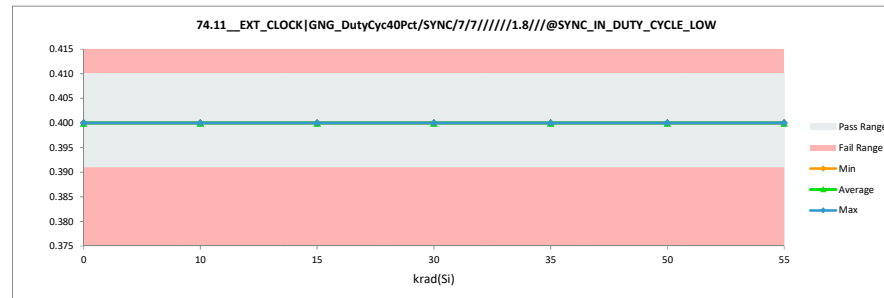
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.11_EXT_CLOCK GNG_DutyCyc40Pct/SYNC		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	0.4138	0.41
Min Limit	0.39	0.391

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.400	0.400	0.000
0	98	0.400	0.400	0.000
0	99	0.400	0.400	0.000
10	1	0.400	0.400	0.000
10	2	0.400	0.400	0.000
10	3	0.400	0.400	0.000
10	4	0.400	0.400	0.000
10	5	0.400	0.400	0.000
15	6	0.400	0.400	0.000
15	7	0.400	0.400	0.000
15	8	0.400	0.400	0.000
15	9	0.400	0.400	0.000
15	10	0.400	0.400	0.000
30	11	0.400	0.400	0.000
30	12	0.400	0.400	0.000
30	13	0.400	0.400	0.000
30	14	0.400	0.400	0.000
30	15	0.400	0.400	0.000
35	16	0.400	0.400	0.000
35	17	0.400	0.400	0.000
35	18	0.400	0.400	0.000
35	19	0.400	0.400	0.000
35	20	0.400	0.400	0.000
50	21	0.400	0.400	0.000
50	22	0.400	0.400	0.000
50	23	0.400	0.400	0.000
50	24	0.400	0.400	0.000
50	25	0.400	0.400	0.000
55	26	0.400	0.400	0.000
55	27	0.400	0.400	0.000
55	28	0.400	0.400	0.000
55	29	0.400	0.400	0.000
55	31	0.400	0.400	0.000
Max		0.400	0.400	0.000
Average		0.400	0.400	0.000
Min		0.400	0.400	0.000
Std Dev		0.000	0.000	0.000



74.11_EXT_CLOCK GNG_DutyCyc40Pct/SYNC/7/7/////1.8///@SYNC_IN_DUTY_CYCLE_LOW							
Test Site							
Tester							
Test Number							
Max Limit	0.41						
Min Limit	0.391						
krad(Si)	0	10	15	30	35	50	55
LL	0.391	0.391	0.391	0.391	0.391	0.391	0.391
Min	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Average	0.400	0.400	0.400	0.400	0.400	0.400	0.400
Max	0.400	0.400	0.400	0.400	0.400	0.400	0.400
UL	0.410	0.410	0.410	0.410	0.410	0.410	0.410



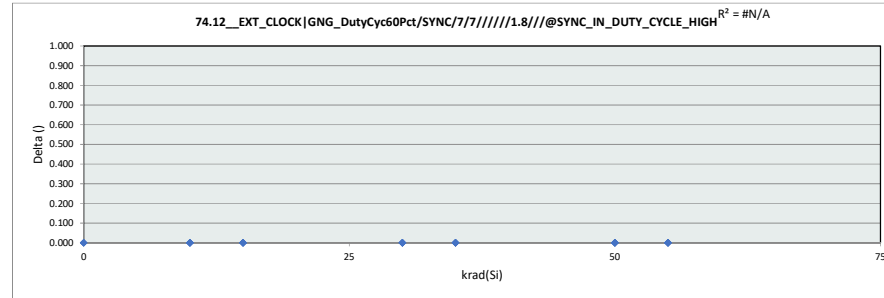
TID HDR Report

TPS7H4102-SEP

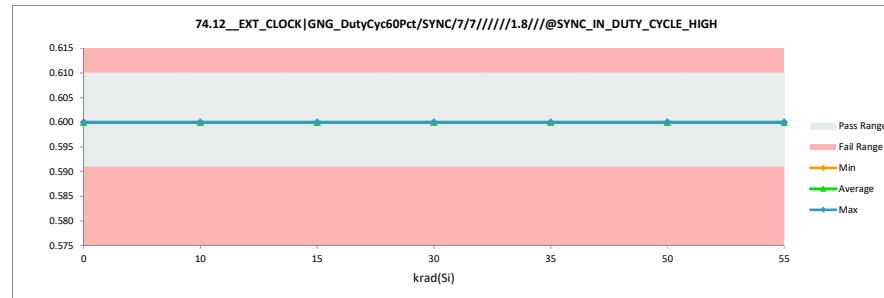
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.12_EXT_CLOCK GNG_DutyCyc60Pct/SYNC		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	0.6138	0.61
Min Limit	0.59	0.591

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.600	0.600	0.000
0	98	0.600	0.600	0.000
0	99	0.600	0.600	0.000
10	1	0.600	0.600	0.000
10	2	0.600	0.600	0.000
10	3	0.600	0.600	0.000
10	4	0.600	0.600	0.000
10	5	0.600	0.600	0.000
15	6	0.600	0.600	0.000
15	7	0.600	0.600	0.000
15	8	0.600	0.600	0.000
15	9	0.600	0.600	0.000
15	10	0.600	0.600	0.000
30	11	0.600	0.600	0.000
30	12	0.600	0.600	0.000
30	13	0.600	0.600	0.000
30	14	0.600	0.600	0.000
30	15	0.600	0.600	0.000
35	16	0.600	0.600	0.000
35	17	0.600	0.600	0.000
35	18	0.600	0.600	0.000
35	19	0.600	0.600	0.000
35	20	0.600	0.600	0.000
50	21	0.600	0.600	0.000
50	22	0.600	0.600	0.000
50	23	0.600	0.600	0.000
50	24	0.600	0.600	0.000
50	25	0.600	0.600	0.000
55	26	0.600	0.600	0.000
55	27	0.600	0.600	0.000
55	28	0.600	0.600	0.000
55	29	0.600	0.600	0.000
55	31	0.600	0.600	0.000
Max		0.600	0.600	0.000
Average		0.600	0.600	0.000
Min		0.600	0.600	0.000
Std Dev		0.000	0.000	0.000



74.12_EXT_CLOCK GNG_DutyCyc60Pct/SYNC/7/7/////1.8///@SYNC_IN_DUTY_CYCLE_HIGH							
Test Site							
Tester							
Test Number							
Max Limit	0.61						
Min Limit	0.591						
krad(Si)	0	10	15	30	35	50	55
LL	0.591	0.591	0.591	0.591	0.591	0.591	0.591
Min	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Average	0.600	0.600	0.600	0.600	0.600	0.600	0.600
Max	0.600	0.600	0.600	0.600	0.600	0.600	0.600
UL	0.610	0.610	0.610	0.610	0.610	0.610	0.610



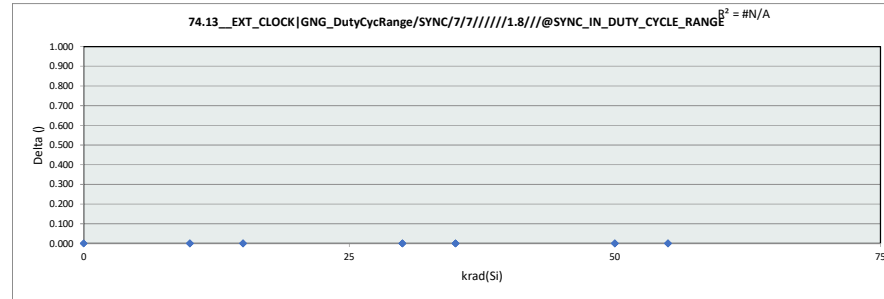
TID HDR Report

TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

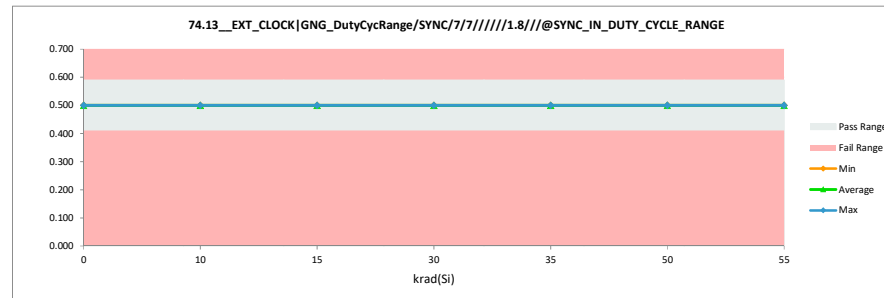
74.13_EXT_CLOCK GNG_DutyCycRange/SYNC	
Test Site	
Tester	
Test Number	
Unit	
Max Limit	0.6
Min Limit	0.4

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.500	0.500	0.000
0	98	0.500	0.500	0.000
0	99	0.500	0.500	0.000
10	1	0.500	0.500	0.000
10	2	0.500	0.500	0.000
10	3	0.500	0.500	0.000
10	4	0.500	0.500	0.000
10	5	0.500	0.500	0.000
15	6	0.500	0.500	0.000
15	7	0.500	0.500	0.000
15	8	0.500	0.500	0.000
15	9	0.500	0.500	0.000
15	10	0.500	0.500	0.000
30	11	0.500	0.500	0.000
30	12	0.500	0.500	0.000
30	13	0.500	0.500	0.000
30	14	0.500	0.500	0.000
30	15	0.500	0.500	0.000
35	16	0.500	0.500	0.000
35	17	0.500	0.500	0.000
35	18	0.500	0.500	0.000
35	19	0.500	0.500	0.000
35	20	0.500	0.500	0.000
50	21	0.500	0.500	0.000
50	22	0.500	0.500	0.000
50	23	0.500	0.500	0.000
50	24	0.500	0.500	0.000
50	25	0.500	0.500	0.000
55	26	0.500	0.500	0.000
55	27	0.500	0.500	0.000
55	28	0.500	0.500	0.000
55	29	0.500	0.500	0.000
55	31	0.500	0.500	0.000
Max		0.500	0.500	0.000
Average		0.500	0.500	0.000
Min		0.500	0.500	0.000
Std Dev		0.000	0.000	0.000



74.13_EXT_CLOCK GNG_DutyCycRange/SYNC/7/7/////1.8///@SYNC_IN_DUTY_CYCLE_RANGE	
Test Site	
Tester	
Test Number	
Max Limit	0.59
Min Limit	0.41

krad(Si)	0	10	15	30	35	50	55
LL	0.410	0.410	0.410	0.410	0.410	0.410	0.410
Min	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Average	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Max	0.500	0.500	0.500	0.500	0.500	0.500	0.500
UL	0.590	0.590	0.590	0.590	0.590	0.590	0.590

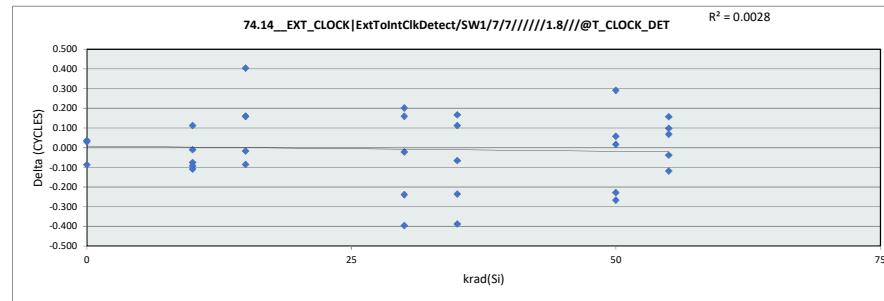


TID HDR Report

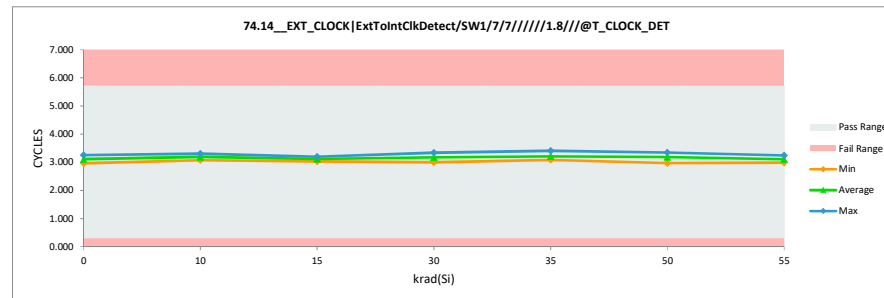
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.14_EXT_CLOCK ExtToIntClkDetect/SW1/7/7/1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	-0.78	0.3		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	3.169	3.257	-0.087
0	98	3.146	3.117	0.029
0	99	3.003	2.966	0.036
10	1	3.061	3.071	-0.010
10	2	3.231	3.119	0.112
10	3	3.093	3.169	-0.076
10	4	3.199	3.292	-0.093
10	5	3.197	3.306	-0.109
15	6	3.269	3.109	0.159
15	7	3.436	3.032	0.404
15	8	3.277	3.118	0.159
15	9	3.105	3.122	-0.017
15	10	3.113	3.198	-0.086
30	11	3.145	3.167	-0.022
30	12	3.158	2.999	0.159
30	13	2.955	3.194	-0.239
30	14	2.946	3.342	-0.395
30	15	3.378	3.177	0.201
35	16	3.020	3.408	-0.387
35	17	3.019	3.255	-0.236
35	18	3.309	3.142	0.167
35	19	3.281	3.169	0.112
35	20	3.016	3.083	-0.066
50	21	3.223	3.166	0.058
50	22	3.260	2.970	0.290
50	23	3.079	3.346	-0.267
50	24	3.029	3.257	-0.228
50	25	3.222	3.205	0.016
55	26	3.192	3.230	-0.038
55	27	3.173	3.017	0.156
55	28	3.126	3.244	-0.118
55	29	3.054	2.985	0.068
55	31	3.145	3.047	0.099
Max		3.436	3.408	0.404
Average		3.152	3.160	-0.008
Min		2.946	2.966	-0.395
Std Dev		0.117	0.114	0.182



74.14_EXT_CLOCK ExtToIntClkDetect/SW1/7/7/1.8///@T_CLOCK_DET							
Test Site							
Tester							
Test Number							
Max Limit	5.7	CYCLES					
Min Limit	0.3	CYCLES					
krad(Si)	0	10	15	30	35	50	55
LL	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Min	2.966	3.071	3.032	2.999	3.083	2.970	2.985
Average	3.113	3.191	3.116	3.176	3.211	3.189	3.105
Max	3.257	3.306	3.198	3.342	3.408	3.346	3.244
UL	5.700	5.700	5.700	5.700	5.700	5.700	5.700

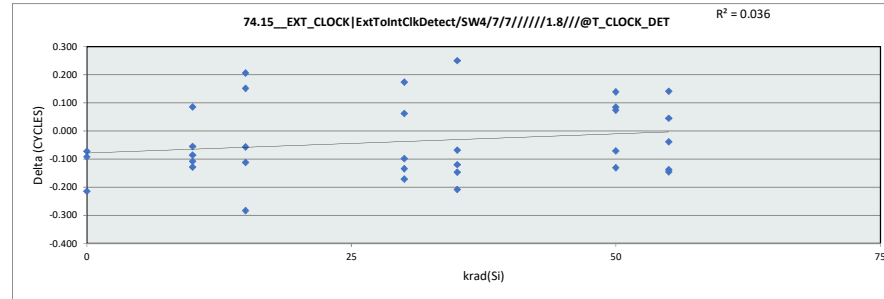


TID HDR Report

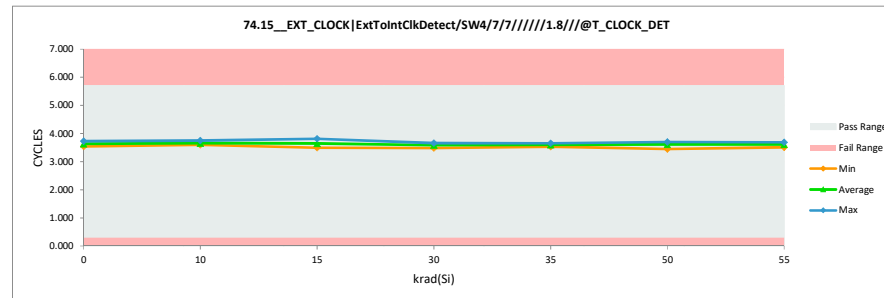
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.15_EXT_CLOCK ExtToIntClkDetect/SW4/7				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	-0.78	0.3		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	3.450	3.542	-0.092
0	98	3.514	3.729	-0.214
0	99	3.557	3.629	-0.072
10	1	3.506	3.634	-0.128
10	2	3.510	3.596	-0.086
10	3	3.528	3.636	-0.108
10	4	3.696	3.751	-0.055
10	5	3.765	3.680	0.086
15	6	3.702	3.814	-0.112
15	7	3.701	3.496	0.206
15	8	3.576	3.632	-0.057
15	9	3.462	3.746	-0.283
15	10	3.705	3.554	0.151
30	11	3.473	3.644	-0.171
30	12	3.659	3.485	0.174
30	13	3.573	3.511	0.062
30	14	3.515	3.613	-0.098
30	15	3.522	3.657	-0.134
35	16	3.410	3.618	-0.208
35	17	3.497	3.565	-0.068
35	18	3.483	3.629	-0.147
35	19	3.536	3.655	-0.120
35	20	3.781	3.531	0.250
50	21	3.696	3.557	0.139
50	22	3.530	3.446	0.085
50	23	3.569	3.700	-0.131
50	24	3.607	3.678	-0.071
50	25	3.757	3.683	0.074
55	26	3.615	3.570	0.045
55	27	3.651	3.510	0.141
55	28	3.501	3.638	-0.138
55	29	3.543	3.688	-0.145
55	31	3.629	3.668	-0.038
Max		3.781	3.814	0.250
Average		3.582	3.621	-0.038
Min		3.410	3.446	-0.283
Std Dev		0.100	0.084	0.134



74.15_EXT_CLOCK ExtToIntClkDetect/SW4/7/7/1.8///@T_CLOCK_DET							
Test Site							
Tester							
Test Number							
Max Limit	5.7	CYCLES					
Min Limit	0.3	CYCLES					
krad(Si)	0	10	15	30	35	50	55
LL	0.300	0.300	0.300	0.300	0.300	0.300	0.300
Min	3.542	3.597	3.496	3.485	3.531	3.446	3.510
Average	3.633	3.660	3.648	3.582	3.600	3.613	3.615
Max	3.729	3.751	3.814	3.657	3.656	3.700	3.688
UL	5.700	5.700	5.700	5.700	5.700	5.700	5.700



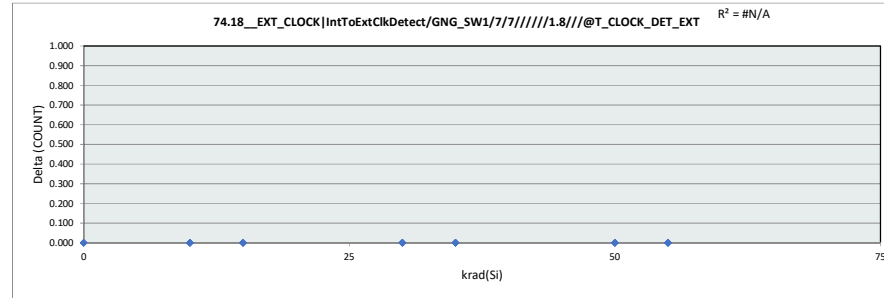
TID HDR Report

TPS7H4102-SEP

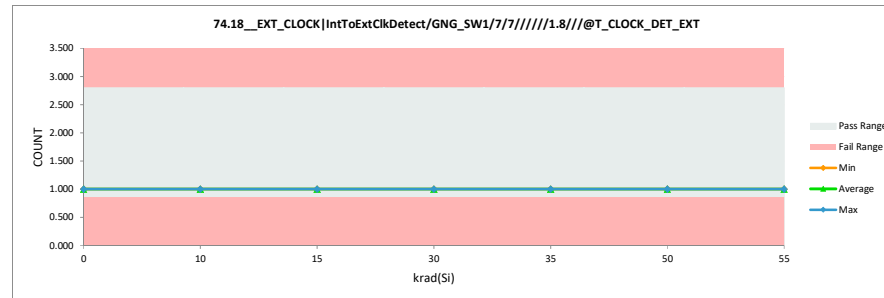
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

74.18_EXT_CLOCK IntToExtClkDetect/GNG_S		
Test Site		
Tester		
Test Number		
Unit	COUNT	COUNT
Max Limit	3	2.8
Min Limit	0.472	0.86

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.000	1.000	0.000
0	98	1.000	1.000	0.000
0	99	1.000	1.000	0.000
10	1	1.000	1.000	0.000
10	2	1.000	1.000	0.000
10	3	1.000	1.000	0.000
10	4	1.000	1.000	0.000
10	5	1.000	1.000	0.000
15	6	1.000	1.000	0.000
15	7	1.000	1.000	0.000
15	8	1.000	1.000	0.000
15	9	1.000	1.000	0.000
15	10	1.000	1.000	0.000
30	11	1.000	1.000	0.000
30	12	1.000	1.000	0.000
30	13	1.000	1.000	0.000
30	14	1.000	1.000	0.000
30	15	1.000	1.000	0.000
35	16	1.000	1.000	0.000
35	17	1.000	1.000	0.000
35	18	1.000	1.000	0.000
35	19	1.000	1.000	0.000
35	20	1.000	1.000	0.000
50	21	1.000	1.000	0.000
50	22	1.000	1.000	0.000
50	23	1.000	1.000	0.000
50	24	1.000	1.000	0.000
50	25	1.000	1.000	0.000
55	26	1.000	1.000	0.000
55	27	1.000	1.000	0.000
55	28	1.000	1.000	0.000
55	29	1.000	1.000	0.000
55	31	1.000	1.000	0.000
Max		1.000	1.000	0.000
Average		1.000	1.000	0.000
Min		1.000	1.000	0.000
Std Dev		0.000	0.000	0.000



74.18_EXT_CLOCK IntToExtClkDetect/GNG_SW1/7/7/////1.8///@T_CLOCK_DET_EXT							
Test Site							
Tester							
Test Number							
Max Limit	2.8	COUNT					
Min Limit	0.86	COUNT					
krad(Si)	0	10	15	30	35	50	55
LL	0.860	0.860	0.860	0.860	0.860	0.860	0.860
Min	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Average	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Max	1.000	1.000	1.000	1.000	1.000	1.000	1.000
UL	2.800	2.800	2.800	2.800	2.800	2.800	2.800

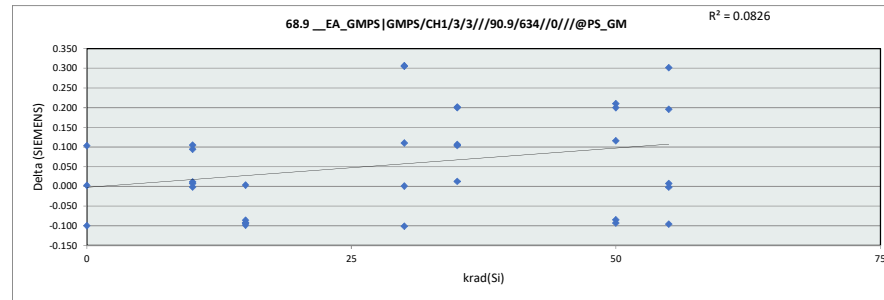


TID HDR Report

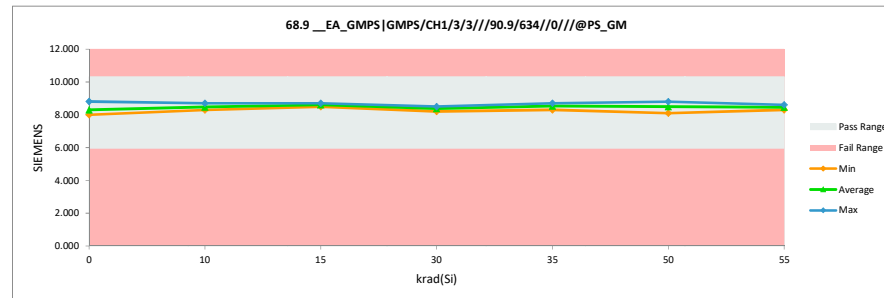
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

68.9 __EA_GMPS GMPS/CH1/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	8.807	8.805	0.002
0	98	8.101	7.997	0.103
0	99	8.003	8.103	-0.100
10	1	8.406	8.395	0.011
10	2	8.300	8.292	0.007
10	3	8.688	8.594	0.094
10	4	8.701	8.703	-0.002
10	5	8.495	8.390	0.105
15	6	8.704	8.701	0.003
15	7	8.398	8.491	-0.093
15	8	8.615	8.701	-0.086
15	9	8.501	8.594	-0.093
15	10	8.402	8.500	-0.098
30	11	8.703	8.398	0.305
30	12	8.607	8.496	0.110
30	13	8.600	8.294	0.306
30	14	8.099	8.200	-0.101
30	15	8.498	8.498	0.001
35	16	8.496	8.296	0.200
35	17	8.600	8.496	0.104
35	18	8.897	8.695	0.201
35	19	8.804	8.698	0.106
35	20	8.512	8.499	0.013
50	21	8.912	8.797	0.116
50	22	8.607	8.407	0.200
50	23	8.513	8.598	-0.085
50	24	8.305	8.095	0.210
50	25	8.498	8.591	-0.093
55	26	8.205	8.300	-0.096
55	27	8.596	8.400	0.196
55	28	8.498	8.500	-0.002
55	29	8.902	8.601	0.301
55	31	8.505	8.498	0.007
Max		8.912	8.805	0.306
Average		8.530	8.473	0.056
Min		8.003	7.997	-0.101
Std Dev		0.226	0.201	0.129



68.9 __EA_GMPS GMPS/CH1/3/3///90.9/634//0///@PS_GM							
Test Site							
Tester							
Test Number							
Max Limit	10.31	SIEMENS					
Min Limit	5.93	SIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	5.930	5.930	5.930	5.930	5.930	5.930	5.930
Min	7.997	8.292	8.491	8.200	8.296	8.095	8.300
Average	8.302	8.475	8.597	8.377	8.537	8.497	8.460
Max	8.805	8.703	8.701	8.498	8.698	8.797	8.601
UL	10.310	10.310	10.310	10.310	10.310	10.310	10.310



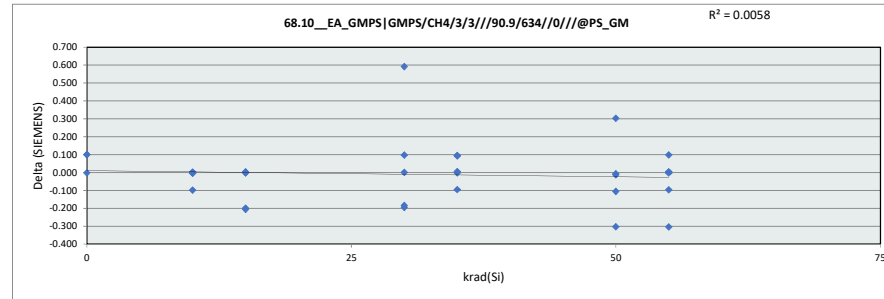
TID HDR Report

TPS7H4102-SEP

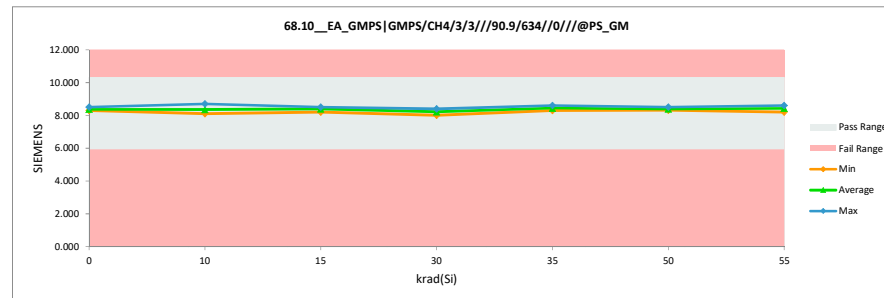
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

Test Site	68.10_EA_GMPS GMPS/CH4/3/3///90.9/634/	
Tester		
Test Number		
Unit	SIEMENS	SIEMENS
Max Limit	10.46	10.31
Min Limit	5.78	5.93

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	8.604	8.504	0.099
0	98	8.394	8.295	0.100
0	99	8.300	8.301	-0.002
10	1	8.105	8.102	0.002
10	2	8.201	8.203	-0.002
10	3	8.192	8.196	-0.004
10	4	8.504	8.602	-0.098
10	5	8.696	8.698	-0.002
15	6	8.297	8.497	-0.199
15	7	8.200	8.201	-0.002
15	8	8.402	8.403	0.000
15	9	8.404	8.400	0.003
15	10	8.298	8.504	-0.206
30	11	8.301	8.300	0.001
30	12	8.302	8.205	0.097
30	13	8.595	8.003	0.591
30	14	8.202	8.398	-0.195
30	15	8.002	8.187	-0.185
35	16	8.496	8.400	0.096
35	17	8.508	8.603	-0.095
35	18	8.400	8.395	0.005
35	19	8.497	8.499	-0.002
35	20	8.396	8.303	0.093
50	21	8.495	8.507	-0.012
50	22	8.296	8.402	-0.106
50	23	8.002	8.305	-0.303
50	24	8.703	8.400	0.302
50	25	8.300	8.307	-0.007
55	26	8.302	8.399	-0.097
55	27	8.301	8.203	0.098
55	28	8.405	8.408	-0.003
55	29	8.497	8.493	0.005
55	31	8.302	8.606	-0.304
Max		8.703	8.698	0.591
Average		8.361	8.371	-0.010
Min		8.002	8.003	-0.304
Std Dev		0.171	0.157	0.165



Test Site	68.10_EA_GMPS GMPS/CH4/						
Tester							
Test Number							
Max Limit	10.31	SIEMENS					
Min Limit	5.93	SIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	5.930	5.930	5.930	5.930	5.930	5.930	5.930
Min	8.295	8.102	8.201	8.004	8.303	8.305	8.203
Average	8.367	8.360	8.401	8.219	8.440	8.384	8.422
Max	8.504	8.698	8.504	8.398	8.603	8.507	8.606
UL	10.310	10.310	10.310	10.310	10.310	10.310	10.310

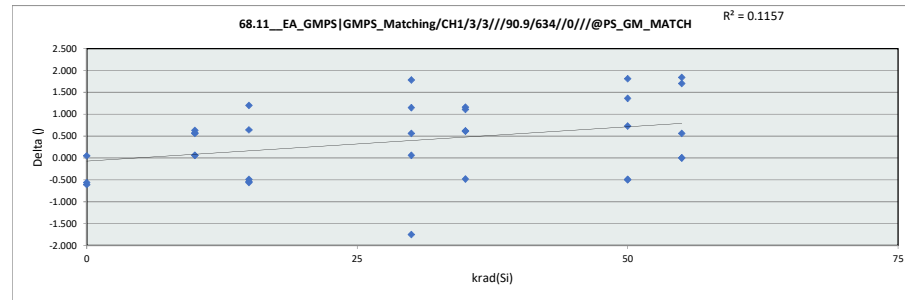


TID HDR Report

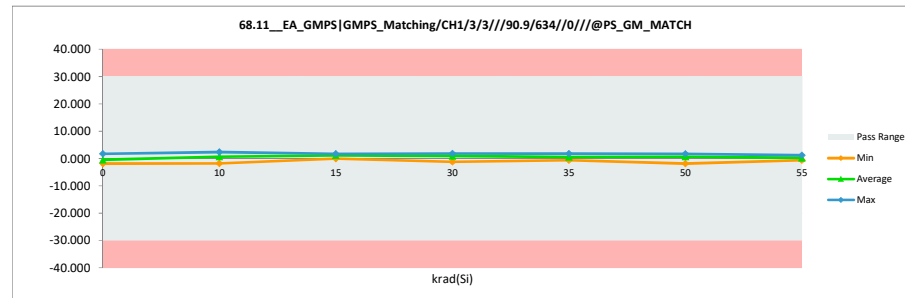
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

68.11_EA_GMPS GMPS_Matching/CH1/3/3//				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	42	30		
Min Limit	-42	-30		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.170	1.730	-0.560
0	98	-1.780	-1.830	0.050
0	99	-1.820	-1.210	-0.610
10	1	1.830	1.770	0.060
10	2	0.600	0.540	0.060
10	3	2.940	2.370	0.570
10	4	1.150	0.590	0.560
10	5	-1.170	-1.800	0.630
15	6	2.390	1.190	1.200
15	7	1.200	1.740	-0.540
15	8	1.250	1.740	-0.490
15	9	0.580	1.140	-0.560
15	10	0.620	-0.020	0.640
30	11	2.360	0.580	1.780
30	12	1.800	1.740	0.060
30	13	0.030	1.780	-1.750
30	14	-0.630	-1.190	0.560
30	15	3.010	1.860	1.150
35	16	0.000	-0.620	0.620
35	17	0.540	-0.620	1.160
35	18	2.870	1.760	1.110
35	19	1.770	1.160	0.610
35	20	0.690	1.170	-0.480
50	21	2.400	1.670	0.730
50	22	1.840	0.030	1.810
50	23	3.090	1.730	1.360
50	24	-2.340	-1.850	-0.490
50	25	1.180	1.680	-0.500
55	26	-0.590	-0.590	0.000
55	27	1.750	1.190	0.560
55	28	0.550	0.550	0.000
55	29	2.330	0.630	1.700
55	31	1.210	-0.630	1.840
Max		3.090	2.370	1.840
Average		0.995	0.605	0.389
Min		-2.340	-1.850	-1.750
Std Dev		1.439	1.250	0.859



68.11_EA_GMPS GMPS_Match							
Test Site							
Tester							
Test Number							
Max Limit	30						
Min Limit	-30						
krad(Si)	0	10	15	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-1.830	-1.800	-0.020	-1.190	-0.620	-1.850	-0.630
Average	-0.437	0.694	1.158	0.954	0.570	0.652	0.230
Max	1.730	2.370	1.740	1.860	1.760	1.730	1.190
UL	30.000	30.000	30.000	30.000	30.000	30.000	30.000

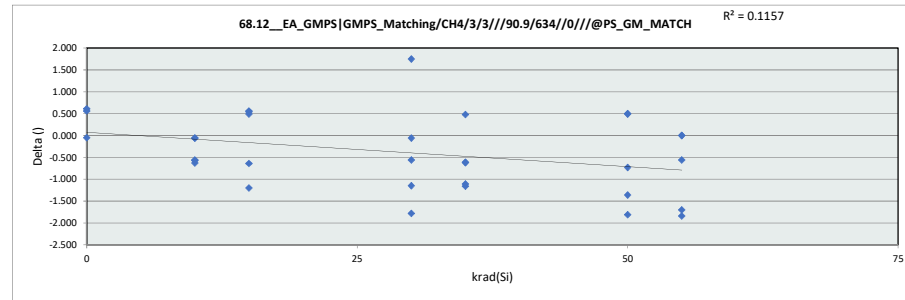


TID HDR Report

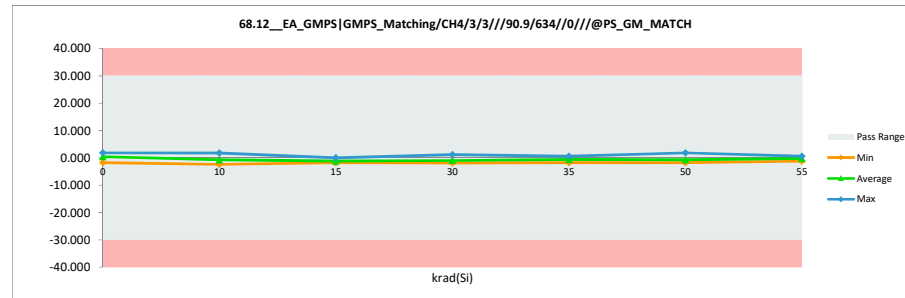
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

68.12_EA_GMPS GMPS_Matching/CH4/3/3//				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	42	30		
Min Limit	-42	-30		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	-1.170	-1.730	0.560
0	98	1.780	1.830	-0.050
0	99	1.820	1.210	0.610
10	1	-1.830	-1.770	-0.060
10	2	-0.600	-0.540	-0.060
10	3	-2.940	-2.370	-0.570
10	4	-1.150	-0.590	-0.560
10	5	1.170	1.800	-0.630
15	6	-2.390	-1.190	-1.200
15	7	-1.200	-1.740	0.540
15	8	-1.250	-1.740	0.490
15	9	-0.580	-1.140	0.560
15	10	-0.620	0.020	-0.640
30	11	-2.360	-0.580	-1.780
30	12	-1.800	-1.740	-0.060
30	13	-0.030	-1.780	1.750
30	14	0.630	1.190	-0.560
30	15	-3.010	-1.860	-1.150
35	16	0.000	0.620	-0.620
35	17	-0.540	0.620	-1.160
35	18	-2.870	-1.760	-1.110
35	19	-1.770	-1.160	-0.610
35	20	-0.690	-1.170	0.480
50	21	-2.400	-1.670	-0.730
50	22	-1.840	-0.030	-1.810
50	23	-3.090	-1.730	-1.360
50	24	2.340	1.850	0.490
50	25	-1.180	-1.680	0.500
55	26	0.590	0.590	0.000
55	27	-1.750	-1.190	-0.560
55	28	-0.550	-0.550	0.000
55	29	-2.330	-0.630	-1.700
55	31	-1.210	0.630	-1.840
Max		2.340	1.850	1.750
Average		-0.995	-0.605	-0.389
Min		-3.090	-2.370	-1.840
Std Dev		1.439	1.250	0.859



68.12_EA_GMPS GMPS_Matc							
Test Site							
Tester							
Test Number							
Max Limit	30						
Min Limit	-30						
krad(Si)	0	10	15	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-1.730	-2.370	-1.740	-1.860	-1.760	-1.730	-1.190
Average	0.437	-0.694	-1.158	-0.954	-0.570	-0.652	-0.230
Max	1.830	1.800	0.020	1.190	0.620	1.850	0.630
UL	30.000	30.000	30.000	30.000	30.000	30.000	30.000

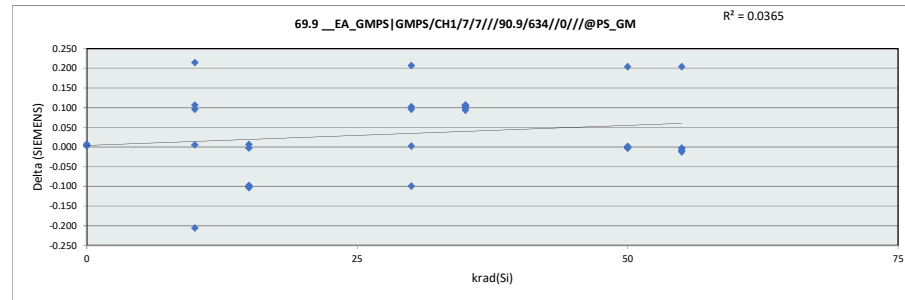


TID HDR Report

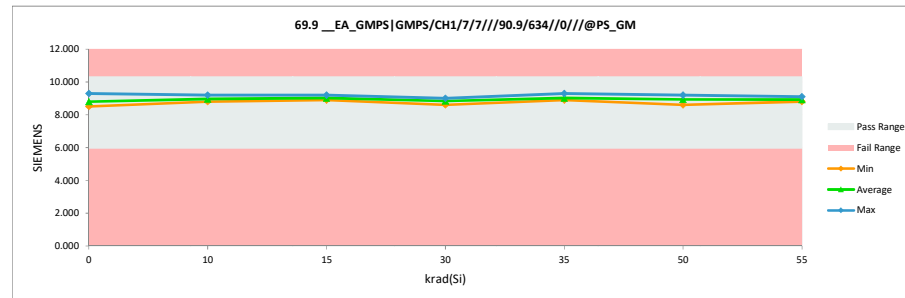
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

69.9 __EA_GMPS GMPS/CH1/7/7///90.9/634				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	9.296	9.292	0.004
0	98	8.512	8.504	0.007
0	99	8.603	8.599	0.003
10	1	8.903	8.797	0.106
10	2	8.895	8.799	0.096
10	3	9.209	8.994	0.215
10	4	8.990	9.196	-0.206
10	5	9.007	9.002	0.005
15	6	9.193	9.196	-0.003
15	7	8.905	8.898	0.006
15	8	8.997	9.097	-0.100
15	9	8.905	9.002	-0.098
15	10	8.798	8.901	-0.103
30	11	9.105	8.898	0.207
30	12	9.093	8.997	0.096
30	13	8.799	8.697	0.102
30	14	8.498	8.598	-0.099
30	15	9.001	8.998	0.002
35	16	9.006	8.901	0.105
35	17	8.991	8.898	0.093
35	18	9.397	9.291	0.107
35	19	9.202	9.100	0.103
35	20	8.997	8.898	0.099
50	21	9.196	9.194	0.001
50	22	8.899	8.901	-0.002
50	23	8.990	8.993	-0.003
50	24	8.803	8.599	0.204
50	25	9.002	9.001	0.001
55	26	8.792	8.805	-0.012
55	27	8.802	8.805	-0.003
55	28	9.098	8.894	0.204
55	29	9.093	9.097	-0.004
55	31	8.995	9.005	-0.009
Max		9.397	9.292	0.215
Average		8.969	8.935	0.034
Min		8.498	8.504	-0.206
Std Dev		0.202	0.196	0.098



69.9 __EA_GMPS GMPS/CH1/7/7///90.9/634							
Test Site							
Tester							
Test Number							
Max Limit	10.31	SIEMENS					
Min Limit	5.93	SIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	5.930	5.930	5.930	5.930	5.930	5.930	5.930
Min	8.504	8.797	8.898	8.598	8.898	8.599	8.805
Average	8.798	8.958	9.019	8.838	9.017	8.938	8.921
Max	9.292	9.196	9.196	8.998	9.291	9.195	9.097
UL	10.310	10.310	10.310	10.310	10.310	10.310	10.310

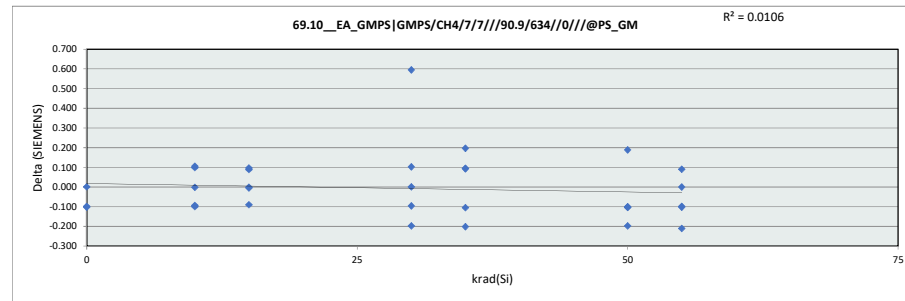


TID HDR Report

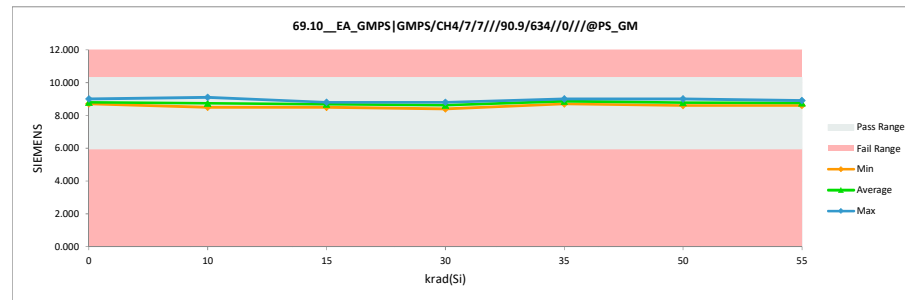
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

69.10_EA_GMPS GMPS/CH4/7/7///90.9/634/0///@PS_GM				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	8.902	9.004	-0.102
0	98	8.601	8.699	-0.098
0	99	8.701	8.701	0.001
10	1	8.603	8.497	0.106
10	2	8.599	8.500	0.098
10	3	8.607	8.608	-0.002
10	4	8.894	8.987	-0.093
10	5	9.000	9.100	-0.100
15	6	8.800	8.801	-0.001
15	7	8.596	8.499	0.097
15	8	8.603	8.607	-0.005
15	9	8.795	8.706	0.089
15	10	8.701	8.792	-0.090
30	11	8.800	8.698	0.102
30	12	8.701	8.701	0.001
30	13	8.994	8.399	0.595
30	14	8.603	8.800	-0.197
30	15	8.404	8.499	-0.095
35	16	9.002	8.906	0.095
35	17	8.802	9.003	-0.201
35	18	8.700	8.805	-0.105
35	19	8.996	8.904	0.093
35	20	8.898	8.701	0.197
50	21	8.800	8.997	-0.197
50	22	8.700	8.800	-0.099
50	23	8.501	8.604	-0.103
50	24	8.990	8.801	0.189
50	25	8.603	8.706	-0.103
55	26	8.599	8.697	-0.098
55	27	8.696	8.606	0.090
55	28	8.697	8.800	-0.102
55	29	8.900	8.900	0.000
55	31	8.597	8.807	-0.210
Max		9.002	9.100	0.595
Average		8.739	8.746	-0.008
Min		8.404	8.399	-0.210
Std Dev		0.160	0.171	0.156



69.10_EA_GMPS GMPS/CH4/7/7///90.9/634/0///@PS_GM							
Test Site							
Tester							
Test Number							
Max Limit	10.31	SIEMENS					
Min Limit	5.93	SIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	5.930	5.930	5.930	5.930	5.930	5.930	5.930
Min	8.699	8.497	8.499	8.399	8.701	8.605	8.606
Average	8.801	8.738	8.681	8.619	8.864	8.782	8.762
Max	9.004	9.100	8.801	8.800	9.003	8.997	8.900
UL	10.310	10.310	10.310	10.310	10.310	10.310	10.310

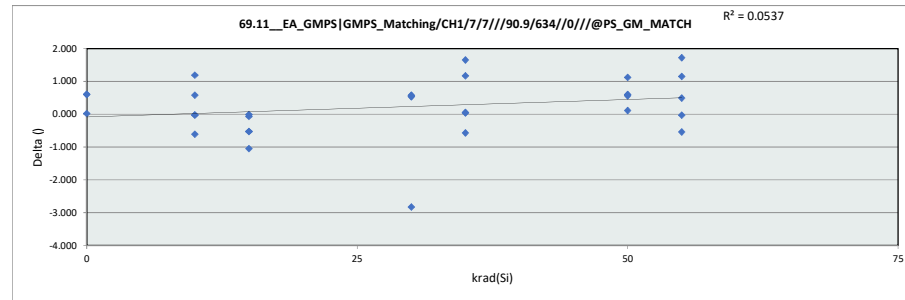


TID HDR Report

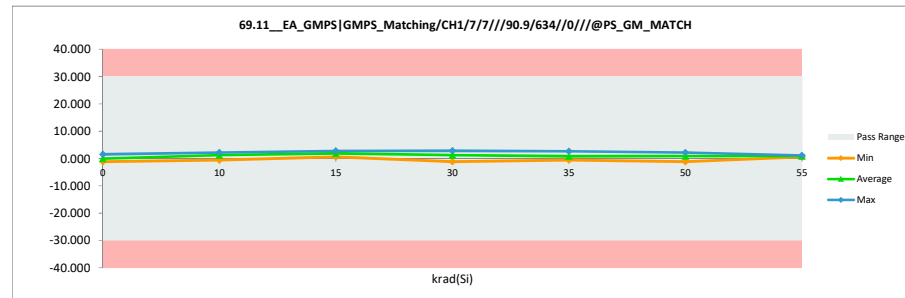
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

69.11_EA_GMPS GMPS_Matching/CH1/7/7/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	42	30		
Min Limit	-42	-30		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.170	1.570	0.600
0	98	-0.520	-1.130	0.610
0	99	-0.570	-0.590	0.020
10	1	1.720	1.740	-0.020
10	2	1.700	1.730	-0.030
10	3	3.380	2.190	1.190
10	4	0.540	1.150	-0.610
10	5	0.040	-0.540	0.580
15	6	2.180	2.190	-0.010
15	7	1.760	2.290	-0.530
15	8	2.240	2.770	-0.530
15	9	0.620	1.670	-1.050
15	10	0.550	0.620	-0.070
30	11	1.700	1.140	0.560
30	12	2.200	1.670	0.530
30	13	-1.090	1.740	-2.830
30	14	-0.610	-1.160	0.550
30	15	3.430	2.850	0.580
35	16	0.020	-0.030	0.050
35	17	1.070	-0.580	1.650
35	18	3.850	2.680	1.170
35	19	1.130	1.090	0.040
35	20	0.550	1.120	-0.570
50	21	2.200	1.080	1.120
50	22	1.130	0.570	0.560
50	23	2.800	2.210	0.590
50	24	-1.050	-1.160	0.110
50	25	2.270	1.670	0.600
55	26	1.110	0.620	0.490
55	27	0.600	1.140	-0.540
55	28	2.250	0.530	1.720
55	29	1.070	1.100	-0.030
55	31	2.260	1.110	1.150
Max		3.850	2.850	1.720
Average		1.294	1.062	0.232
Min		-1.090	-1.160	-2.830
Std Dev		1.286	1.141	0.857



69.11_EA_GMPS GMPS_Match							
Test Site							
Tester							
Test Number							
Max Limit	30						
Min Limit	-30						
krad(Si)	0	10	15	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-1.130	-0.540	0.620	-1.160	-0.580	-1.160	0.530
Average	-0.050	1.254	1.908	1.248	0.856	0.874	0.900
Max	1.570	2.190	2.770	2.850	2.680	2.210	1.140
UL	30.000	30.000	30.000	30.000	30.000	30.000	30.000

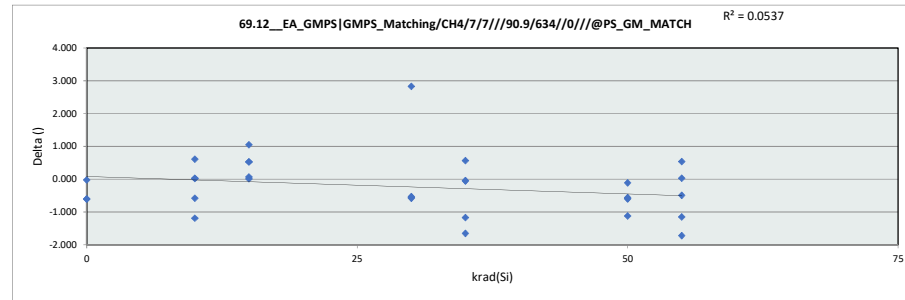


TID HDR Report

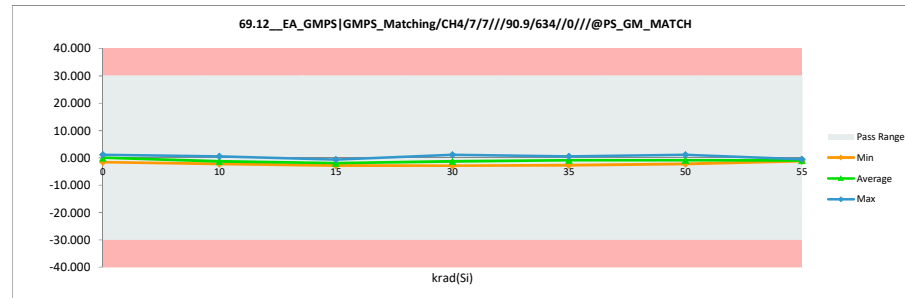
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

69.12_EA_GMPS GMPS_Matching/CH4/7/7/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	42	30		
Min Limit	-42	-30		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	-2.170	-1.570	-0.600
0	98	0.520	1.130	-0.610
0	99	0.570	0.590	-0.020
10	1	-1.720	-1.740	0.020
10	2	-1.700	-1.730	0.030
10	3	-3.380	-2.190	-1.190
10	4	-0.540	-1.150	0.610
10	5	-0.040	0.540	-0.580
15	6	-2.180	-2.190	0.010
15	7	-1.760	-2.290	0.530
15	8	-2.240	-2.770	0.530
15	9	-0.620	-1.670	1.050
15	10	-0.550	-0.620	0.070
30	11	-1.700	-1.140	-0.560
30	12	-2.200	-1.670	-0.530
30	13	1.090	-1.740	2.830
30	14	0.610	1.160	-0.550
30	15	-3.430	-2.850	-0.580
35	16	-0.020	0.030	-0.050
35	17	-1.070	0.580	-1.650
35	18	-3.850	-2.680	-1.170
35	19	-1.130	-1.090	-0.040
35	20	-0.550	-1.120	0.570
50	21	-2.200	-1.080	-1.120
50	22	-1.130	-0.570	-0.560
50	23	-2.800	-2.210	-0.590
50	24	1.050	1.160	-0.110
50	25	-2.270	-1.670	-0.600
55	26	-1.110	-0.620	-0.490
55	27	-0.600	-1.140	0.540
55	28	-2.250	-0.530	-1.720
55	29	-1.070	-1.100	0.030
55	31	-2.260	-1.110	-1.150
Max		1.090	1.160	2.830
Average		-1.294	-1.062	-0.232
Min		-3.850	-2.850	-1.720
Std Dev		1.286	1.141	0.857



69.12_EA_GMPS GMPS_Matc							
Test Site							
Tester							
Test Number							
Max Limit	30						
Min Limit	-30						
krad(Si)	0	10	15	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-1.570	-2.190	-2.770	-2.850	-2.680	-2.210	-1.140
Average	0.050	-1.254	-1.908	-1.248	-0.856	-0.874	-0.900
Max	1.130	0.540	-0.620	1.160	0.580	1.160	-0.530
UL	30.000	30.000	30.000	30.000	30.000	30.000	30.000

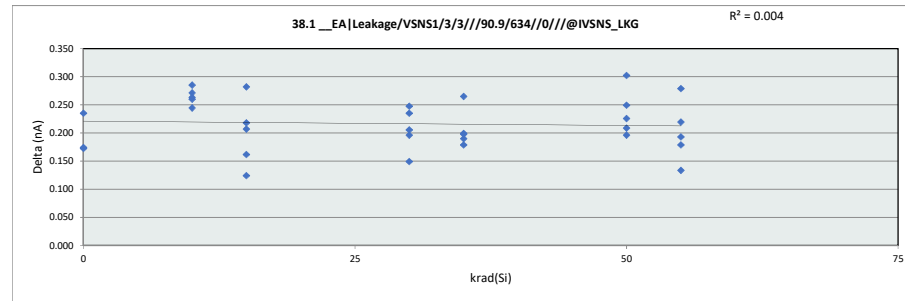


TID HDR Report

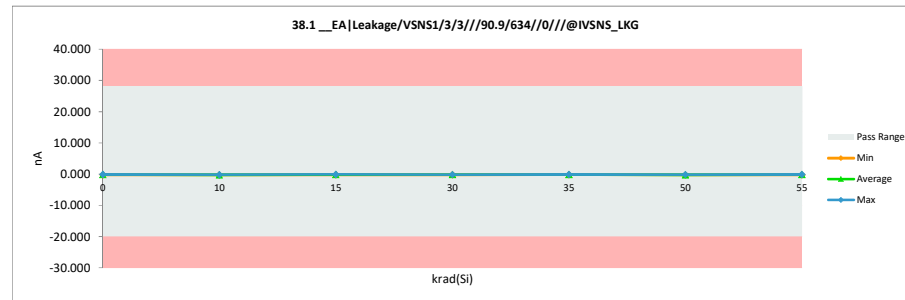
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.1 __EA Leakage/VSNS1/3/3///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.018	-0.156	0.174
0	98	0.063	-0.109	0.172
0	99	0.030	-0.205	0.235
10	1	0.052	-0.219	0.271
10	2	0.077	-0.186	0.263
10	3	0.052	-0.233	0.285
10	4	0.044	-0.216	0.260
10	5	0.051	-0.194	0.244
15	6	0.046	-0.078	0.124
15	7	0.063	-0.155	0.218
15	8	0.012	-0.150	0.162
15	9	0.102	-0.180	0.282
15	10	0.058	-0.148	0.207
30	11	0.052	-0.144	0.196
30	12	-0.034	-0.183	0.149
30	13	0.068	-0.167	0.235
30	14	0.026	-0.180	0.205
30	15	0.041	-0.206	0.248
35	16	0.041	-0.158	0.199
35	17	0.007	-0.172	0.179
35	18	0.058	-0.131	0.190
35	19	0.086	-0.178	0.265
35	20	0.074	-0.123	0.198
50	21	0.058	-0.244	0.302
50	22	0.044	-0.152	0.196
50	23	0.024	-0.202	0.226
50	24	0.062	-0.188	0.249
50	25	0.049	-0.159	0.209
55	26	0.047	-0.231	0.279
55	27	0.052	-0.127	0.179
55	28	-0.023	-0.156	0.134
55	29	0.040	-0.180	0.219
55	31	0.074	-0.119	0.193
Max		0.102	-0.078	0.302
Average		0.046	-0.171	0.217
Min		-0.034	-0.244	0.124
Std Dev		0.028	0.038	0.045



38.1 __EA Leakage/VSNS1/3/3///90.9/634//							
Test Site							
Tester							
Test Number							
Max Limit	28	nA					
Min Limit	-20	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.205	-0.233	-0.180	-0.206	-0.178	-0.244	-0.231
Average	-0.157	-0.209	-0.142	-0.176	-0.153	-0.189	-0.163
Max	-0.109	-0.186	-0.078	-0.144	-0.124	-0.152	-0.119
UL	28.000	28.000	28.000	28.000	28.000	28.000	28.000

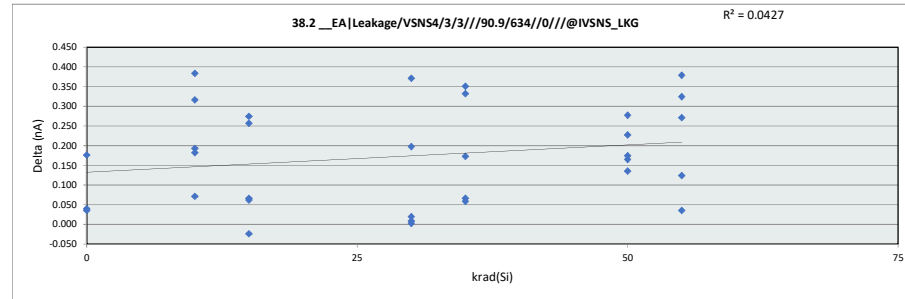


TID HDR Report

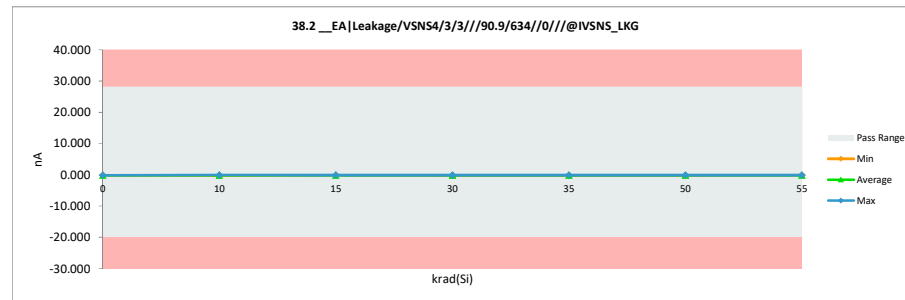
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.2 __EA Leakage/VSNS4/3/3///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.012	-0.164	0.176
0	98	-0.091	-0.131	0.040
0	99	-0.120	-0.156	0.035
10	1	0.139	-0.178	0.316
10	2	-0.008	-0.079	0.071
10	3	-0.022	-0.204	0.182
10	4	0.199	-0.184	0.383
10	5	0.023	-0.170	0.193
15	6	-0.180	-0.156	-0.024
15	7	0.103	-0.171	0.274
15	8	-0.056	-0.123	0.067
15	9	0.117	-0.140	0.257
15	10	-0.082	-0.143	0.062
30	11	-0.100	-0.109	0.009
30	12	0.036	-0.162	0.198
30	13	-0.106	-0.126	0.020
30	14	-0.184	-0.187	0.003
30	15	0.182	-0.189	0.371
35	16	-0.106	-0.173	0.067
35	17	-0.078	-0.137	0.059
35	18	0.053	-0.120	0.173
35	19	0.109	-0.223	0.332
35	20	0.203	-0.148	0.351
50	21	0.006	-0.168	0.174
50	22	0.103	-0.175	0.277
50	23	0.103	-0.125	0.227
50	24	-0.002	-0.137	0.135
50	25	-0.016	-0.181	0.165
55	26	-0.116	-0.151	0.035
55	27	-0.041	-0.165	0.124
55	28	0.178	-0.093	0.271
55	29	0.217	-0.162	0.379
55	31	0.173	-0.151	0.324
Max		0.217	-0.079	0.383
Average		0.020	-0.154	0.173
Min		-0.184	-0.223	-0.024
Std Dev		0.118	0.031	0.126



38.2 __EA Leakage/VSNS4/3/3///90.9/634//0///@IVSNS_LKG							
Test Site							
Tester							
Test Number							
Max Limit	28	nA					
Min Limit	-20	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.164	-0.204	-0.171	-0.189	-0.223	-0.181	-0.165
Average	-0.150	-0.163	-0.147	-0.155	-0.160	-0.157	-0.145
Max	-0.131	-0.079	-0.123	-0.109	-0.120	-0.125	-0.093
UL	28.000	28.000	28.000	28.000	28.000	28.000	28.000

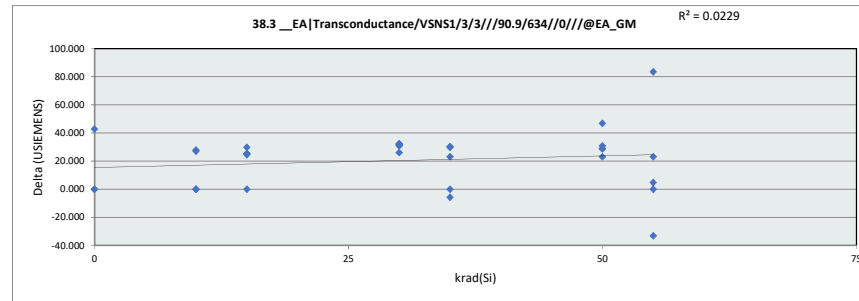


TID HDR Report

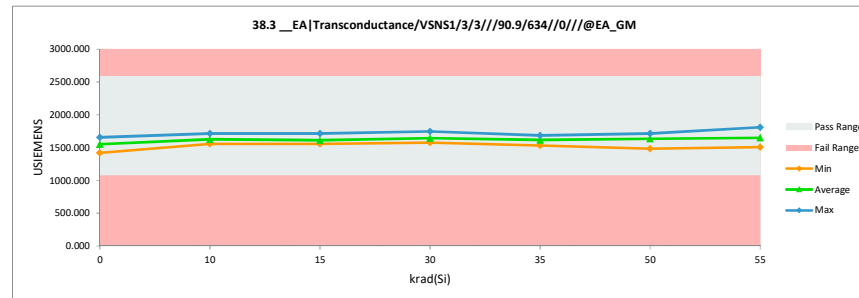
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.3 __EA Transconductance/VSNS1/3/3//9				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2630	2582		
Min Limit	1029	1077		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1461.460	1418.728	42.733
0	98	1655.989	1655.989	0.000
0	99	1580.472	1580.472	0.000
10	1	1555.144	1555.144	0.000
10	2	1633.686	1633.686	0.000
10	3	1655.989	1628.204	27.785
10	4	1714.505	1714.505	0.000
10	5	1633.686	1606.639	27.048
15	6	1714.505	1684.739	29.766
15	7	1580.472	1555.144	25.328
15	8	1739.085	1714.505	24.581
15	9	1555.144	1555.144	0.000
15	10	1580.472	1555.144	25.328
30	11	1633.686	1601.336	32.350
30	12	1777.307	1745.341	31.966
30	13	1601.336	1575.340	25.996
30	14	1606.639	1575.340	31.298
30	15	1745.341	1714.505	30.836
35	16	1580.472	1550.175	30.297
35	17	1714.505	1684.739	29.766
35	18	1684.739	1661.660	23.079
35	19	1530.615	1530.615	0.000
35	20	1655.989	1661.660	-5.671
50	21	1530.615	1483.807	46.808
50	22	1745.341	1714.505	30.836
50	23	1684.739	1661.660	23.079
50	24	1684.739	1655.989	28.750
50	25	1684.739	1655.989	28.750
55	26	1684.739	1601.336	83.403
55	27	1777.307	1810.466	-33.159
55	28	1684.739	1661.660	23.079
55	29	1511.542	1506.847	4.694
55	31	1661.660	1661.660	0.000
Max		1777.307	1810.466	83.403
Average		1643.679	1623.414	20.264
Min		1461.460	1418.728	-33.159
Std Dev		79.605	82.255	20.564



38.3 __EA Transconductance/							
Test Site							
Tester							
Test Number							
Max Limit	2582	USIEMENS					
Min Limit	1077	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000
Min	1418.728	1555.144	1555.144	1575.340	1530.615	1483.807	1506.847
Average	1551.730	1627.635	1612.935	1642.373	1617.770	1634.390	1648.394
Max	1655.989	1714.505	1714.505	1745.341	1684.739	1714.505	1810.466
UL	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000

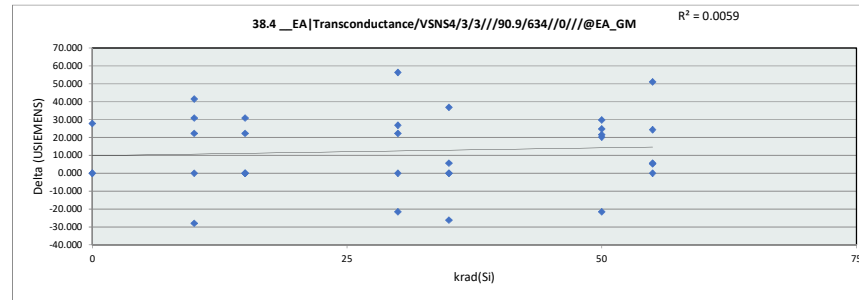


TID HDR Report

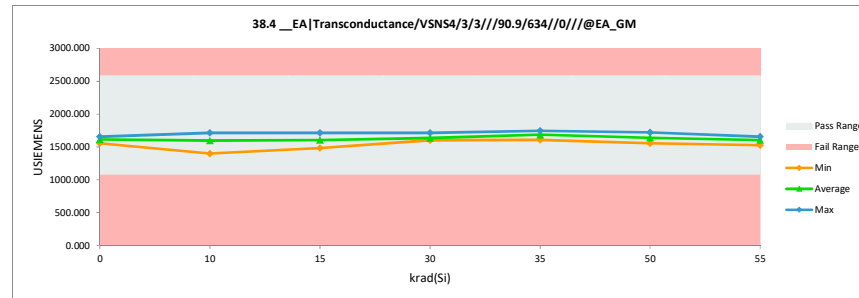
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.4 __EA Transconductance/VSNS4/3/3//9				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2630	2582		
Min Limit	1029	1077		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1555.144	1555.144	0.000
0	98	1655.989	1655.989	0.000
0	99	1655.989	1628.204	27.785
10	1	1439.777	1398.285	41.492
10	2	1745.341	1714.505	30.836
10	3	1580.472	1580.472	0.000
10	4	1633.686	1661.660	-27.974
10	5	1655.989	1633.686	22.303
15	6	1530.615	1530.615	0.000
15	7	1655.989	1633.686	22.303
15	8	1745.341	1714.505	30.836
15	9	1655.989	1655.989	0.000
15	10	1483.807	1483.807	0.000
30	11	1628.204	1601.336	26.868
30	12	1655.989	1633.686	22.303
30	13	1601.336	1601.336	0.000
30	14	1606.639	1628.204	-21.566
30	15	1770.821	1714.505	56.316
35	16	1661.660	1655.989	5.671
35	17	1714.505	1714.505	0.000
35	18	1745.341	1745.341	0.000
35	19	1580.472	1606.639	-26.167
35	20	1745.341	1708.468	36.873
50	21	1606.639	1628.204	-21.566
50	22	1575.340	1555.144	20.197
50	23	1628.204	1606.639	21.566
50	24	1714.505	1684.739	29.766
50	25	1745.341	1720.584	24.757
55	26	1684.739	1633.686	51.053
55	27	1606.639	1601.336	5.302
55	28	1606.639	1606.639	0.000
55	29	1550.175	1525.801	24.374
55	31	1661.660	1655.989	5.671
	Max	1770.821	1745.341	56.316
	Average	1638.919	1626.525	12.394
	Min	1439.777	1398.285	-27.974
	Std Dev	78.539	74.195	21.016



38.4 __EA Transconductance/							
Test Site							
Tester							
Test Number							
Max Limit	2582	USIEMENS					
Min Limit	1077	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000
Min	1555.144	1398.285	1483.807	1601.336	1606.639	1555.144	1525.801
Average	1613.112	1597.722	1603.720	1635.813	1686.188	1639.062	1604.690
Max	1655.989	1714.505	1714.505	1714.505	1745.341	1720.585	1655.989
UL	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000

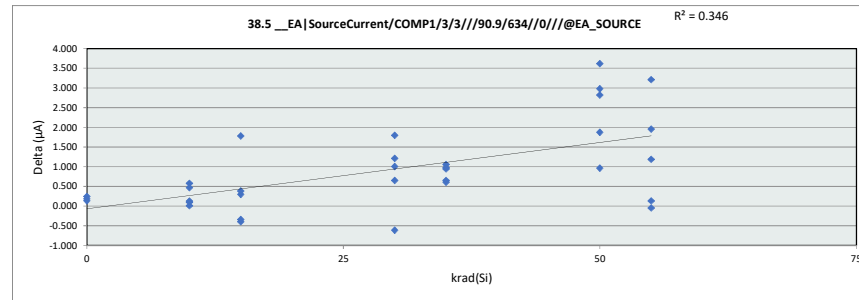


TID HDR Report

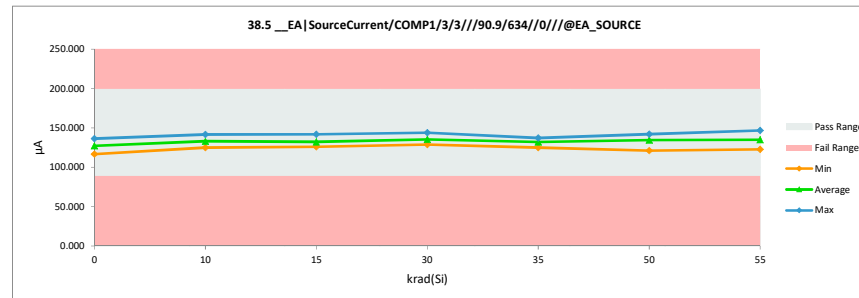
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.5 __EA SourceCurrent/COMP1/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	199	
Min Limit		88	89	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	116.928	116.744	0.184
0	98	136.643	136.397	0.246
0	99	128.495	128.362	0.133
10	1	125.027	124.901	0.126
10	2	132.587	132.576	0.011
10	3	134.656	134.190	0.466
10	4	141.814	141.714	0.100
10	5	132.598	132.020	0.578
15	6	138.941	138.558	0.383
15	7	128.288	128.685	-0.397
15	8	143.607	141.828	1.779
15	9	126.343	126.685	-0.342
15	10	126.370	126.073	0.297
30	11	132.875	132.222	0.653
30	12	145.563	143.767	1.796
30	13	129.606	130.220	-0.614
30	14	129.925	128.921	1.004
30	15	142.379	141.168	1.211
35	16	126.739	126.132	0.607
35	17	138.058	137.115	0.943
35	18	136.584	135.934	0.650
35	19	125.950	124.974	0.975
35	20	137.120	136.061	1.059
50	21	124.068	121.091	2.977
50	22	145.581	141.967	3.614
50	23	138.996	138.031	0.965
50	24	137.225	135.350	1.875
50	25	138.633	135.815	2.819
55	26	136.205	132.994	3.211
55	27	147.871	146.686	1.185
55	28	138.494	138.365	0.129
55	29	122.682	122.729	-0.047
55	31	136.298	134.342	1.956
	Max	147.871	146.686	3.614
	Average	134.035	133.110	0.925
	Min	116.928	116.744	-0.614
	Std Dev	7.443	7.060	1.064



38.5 __EA SourceCurrent/COMP1/3/3///90.9/634//0///@EA_SOURCE							
Test Site							
Tester							
Test Number							
Max Limit		199	μA				
Min Limit		89	μA				
krad(Si)	0	10	15	30	35	50	55
LL	89.000	89.000	89.000	89.000	89.000	89.000	89.000
Min	116.744	124.901	126.073	128.921	124.974	121.091	122.729
Average	127.168	133.080	132.366	135.260	132.043	134.451	135.023
Max	136.397	141.714	141.828	143.767	137.115	141.967	146.686
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

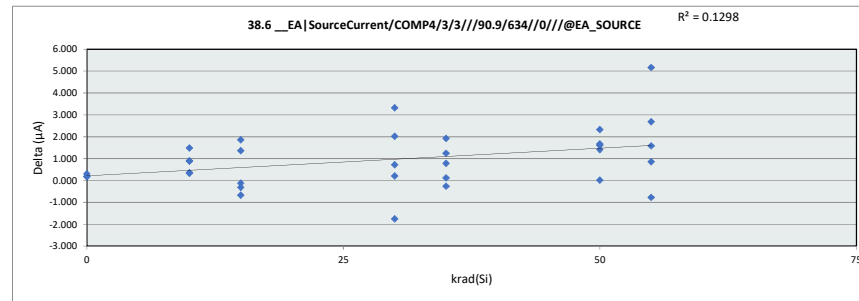


TID HDR Report

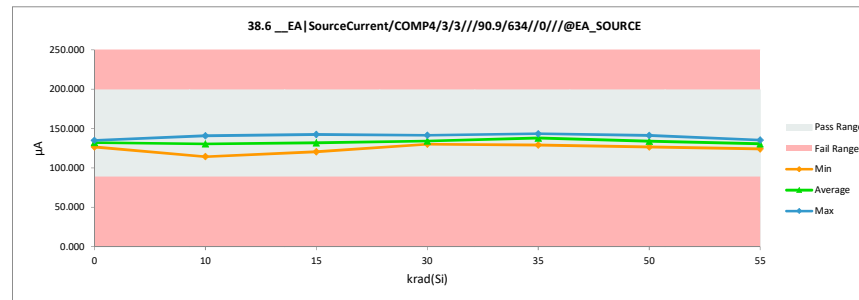
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.6 __EA SourceCurrent/COMP4/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	199	
Min Limit		88	89	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	126.743	126.549	0.194
0	98	135.202	135.032	0.170
0	99	135.085	134.787	0.298
10	1	115.234	114.332	0.902
10	2	141.117	140.762	0.355
10	3	129.589	128.702	0.887
10	4	134.772	134.444	0.328
10	5	136.148	134.665	1.483
15	6	125.676	125.797	-0.121
15	7	136.237	134.376	1.861
15	8	143.880	142.521	1.359
15	9	135.332	136.002	-0.670
15	10	120.252	120.569	-0.317
30	11	132.205	130.184	2.021
30	12	135.191	134.989	0.202
30	13	132.882	132.165	0.717
30	14	130.518	132.271	-1.754
30	15	144.796	141.479	3.317
35	16	136.551	135.307	1.244
35	17	139.307	139.191	0.116
35	18	144.141	143.357	0.784
35	19	128.797	129.060	-0.263
35	20	145.000	143.074	1.926
50	21	133.490	132.075	1.415
50	22	128.257	126.587	1.670
50	23	131.482	131.464	0.019
50	24	140.209	137.886	2.322
50	25	142.755	141.144	1.611
55	26	137.626	132.463	5.163
55	27	132.457	130.881	1.577
55	28	131.686	130.831	0.855
55	29	126.779	124.093	2.686
55	31	134.472	135.250	-0.778
Max		145.000	143.357	5.163
Average		134.057	133.100	0.957
Min		115.234	114.332	-1.754
Std Dev		6.832	6.543	1.311



38.6 __EA SourceCurrent/COMP4/3/3///90.9/634//0///@EA_SOURCE							
Test Site							
Tester							
Test Number							
Max Limit		199	μA				
Min Limit		89	μA				
krad(Si)	0	10	15	30	35	50	55
LL	89.000	89.000	89.000	89.000	89.000	89.000	89.000
Min	126.549	114.332	120.569	130.184	129.060	126.587	124.093
Average	132.123	130.581	131.853	134.218	137.998	133.831	130.703
Max	135.032	140.762	142.521	141.479	143.357	141.144	135.250
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

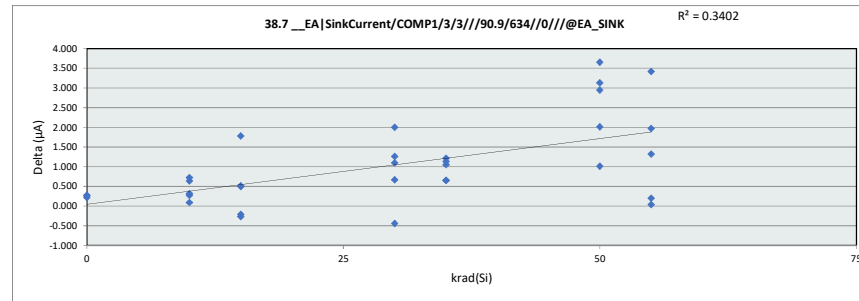


TID HDR Report

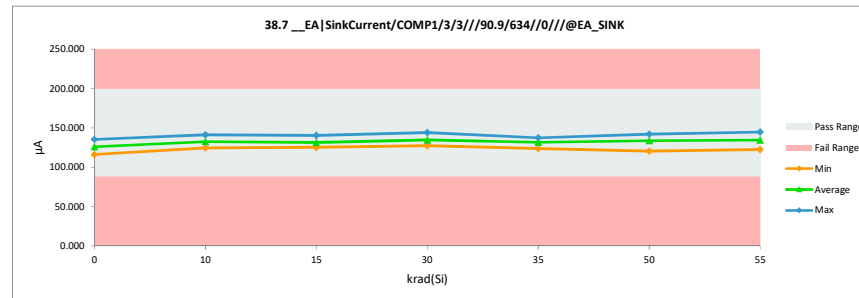
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.7 __EA SinkCurrent/COMP1/3/3//90.9/634//0///@EA_SINK				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		200	199	
Min Limit		87	88	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	116.350	116.134	0.215
0	98	135.564	135.304	0.260
0	99	127.050	126.773	0.277
10	1	124.803	124.483	0.320
10	2	131.571	131.479	0.092
10	3	135.194	134.470	0.724
10	4	141.572	141.299	0.273
10	5	131.884	131.243	0.641
15	6	138.199	137.703	0.496
15	7	127.816	128.027	-0.211
15	8	142.247	140.469	1.778
15	9	125.213	125.481	-0.268
15	10	126.072	125.560	0.512
30	11	132.466	131.799	0.667
30	12	146.029	144.030	1.998
30	13	128.638	129.082	-0.444
30	14	128.563	127.467	1.096
30	15	142.297	141.038	1.259
35	16	126.052	125.397	0.654
35	17	138.539	137.405	1.134
35	18	136.883	136.234	0.649
35	19	124.758	123.708	1.050
35	20	137.276	136.061	1.216
50	21	123.620	120.493	3.128
50	22	145.658	142.004	3.654
50	23	137.576	136.562	1.014
50	24	137.053	135.043	2.010
50	25	137.391	134.446	2.945
55	26	137.097	133.679	3.418
55	27	146.003	144.682	1.321
55	28	138.325	138.127	0.198
55	29	122.638	122.600	0.038
55	31	135.900	133.929	1.971
Max		146.029	144.682	3.654
Average		133.524	132.491	1.033
Min		116.350	116.134	-0.444
Std Dev		7.536	7.135	1.064



38.7 __EA SinkCurrent/COMP1/3/3//90.9/634//0///@EA_SINK							
Test Site							
Tester							
Test Number							
Max Limit		199	µA				
Min Limit		88	µA				
krad(Si)	0	10	15	30	35	50	55
LL	88.000	88.000	88.000	88.000	88.000	88.000	88.000
Min	116.135	124.483	125.481	127.467	123.708	120.493	122.600
Average	126.070	132.595	131.448	134.683	131.761	133.709	134.603
Max	135.304	141.299	140.469	144.030	137.405	142.004	144.682
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

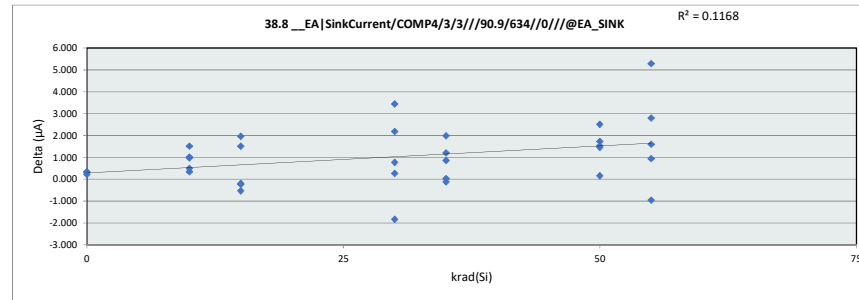


TID HDR Report

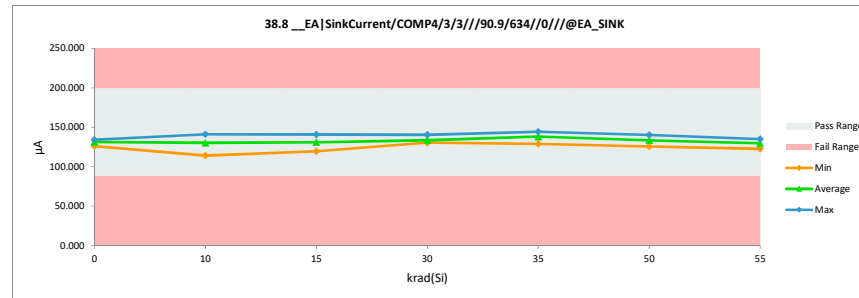
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.8 __EA SinkCurrent/COMP4/3/3///90.9/634/0///@EA_SINK				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	199	
Min Limit		87	88	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	126.401	126.078	0.323
0	98	134.021	133.681	0.340
0	99	134.260	134.036	0.223
10	1	115.047	114.037	1.010
10	2	141.590	141.097	0.493
10	3	128.736	127.763	0.973
10	4	134.100	133.762	0.338
10	5	136.609	135.097	1.512
15	6	125.265	125.457	-0.193
15	7	135.128	133.162	1.967
15	8	142.420	140.908	1.512
15	9	134.959	135.491	-0.532
15	10	119.303	119.531	-0.228
30	11	132.531	130.347	2.183
30	12	135.072	134.807	0.266
30	13	131.791	131.016	0.775
30	14	128.808	130.638	-1.830
30	15	143.805	140.360	3.445
35	16	137.132	135.930	1.202
35	17	139.035	139.001	0.034
35	18	145.112	144.253	0.860
35	19	128.791	128.910	-0.119
35	20	144.249	142.262	1.988
50	21	132.424	130.967	1.456
50	22	127.296	125.564	1.731
50	23	131.811	131.651	0.160
50	24	140.584	138.070	2.514
50	25	141.764	140.236	1.528
55	26	136.596	131.313	5.283
55	27	130.572	128.975	1.597
55	28	131.420	130.477	0.943
55	29	125.384	122.588	2.796
55	31	134.031	134.984	-0.954
Max		145.112	144.253	5.283
Average		133.517	132.499	1.018
Min		115.047	114.037	-1.830
Std Dev		6.947	6.686	1.345



38.8 __EA SinkCurrent/COMP4/3/3///90.9/634/0///@EA_SINK							
Test Site							
Tester							
Test Number							
Max Limit		199	μA				
Min Limit		88	μA				
krad(Si)	0	10	15	30	35	50	55
LL	88.000	88.000	88.000	88.000	88.000	88.000	88.000
Min	126.078	114.037	119.531	130.347	128.910	125.565	122.588
Average	131.265	130.351	130.910	133.434	138.071	133.298	129.668
Max	134.036	141.097	140.908	140.360	144.253	140.236	134.984
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

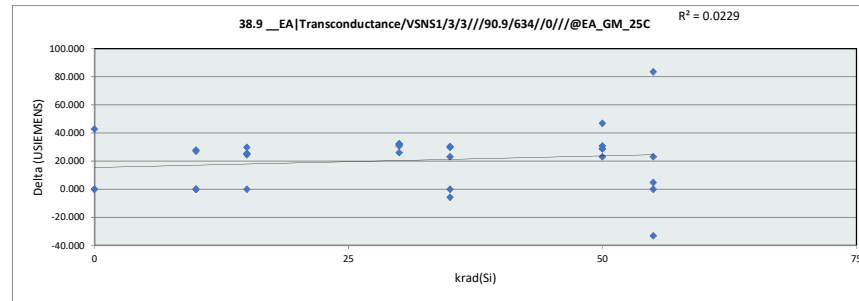


TID HDR Report

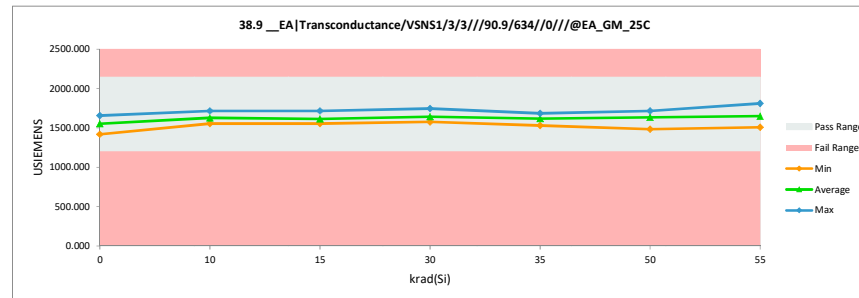
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.9 __EA Transconductance/VSNS1/3/3//9				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	2143		
Min Limit	1153	1201		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1461.460	1418.728	42.733
0	98	1655.989	1655.989	0.000
0	99	1580.472	1580.472	0.000
10	1	1555.144	1555.144	0.000
10	2	1633.686	1633.686	0.000
10	3	1655.989	1628.204	27.785
10	4	1714.505	1714.505	0.000
10	5	1633.686	1606.639	27.048
15	6	1714.505	1684.739	29.766
15	7	1580.472	1555.144	25.328
15	8	1739.085	1714.505	24.581
15	9	1555.144	1555.144	0.000
15	10	1580.472	1555.144	25.328
30	11	1633.686	1601.336	32.350
30	12	1777.307	1745.341	31.966
30	13	1601.336	1575.340	25.996
30	14	1606.639	1575.340	31.298
30	15	1745.341	1714.505	30.836
35	16	1580.472	1550.175	30.297
35	17	1714.505	1684.739	29.766
35	18	1684.739	1661.660	23.079
35	19	1530.615	1530.615	0.000
35	20	1655.989	1661.660	-5.671
50	21	1530.615	1483.807	46.808
50	22	1745.341	1714.505	30.836
50	23	1684.739	1661.660	23.079
50	24	1684.739	1655.989	28.750
50	25	1684.739	1655.989	28.750
55	26	1684.739	1601.336	83.403
55	27	1777.307	1810.466	-33.159
55	28	1684.739	1661.660	23.079
55	29	1511.542	1506.847	4.694
55	31	1661.660	1661.660	0.000
Max		1777.307	1810.466	83.403
Average		1643.679	1623.414	20.264
Min		1461.460	1418.728	-33.159
Std Dev		79.605	82.255	20.564



38.9 __EA Transconductance/							
Test Site							
Tester							
Test Number							
Max Limit	2143	USIEMENS					
Min Limit	1201	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000
Min	1418.728	1555.144	1555.144	1575.340	1530.615	1483.807	1506.847
Average	1551.730	1627.635	1612.935	1642.373	1617.770	1634.390	1648.394
Max	1655.989	1714.505	1714.505	1745.341	1684.739	1714.505	1810.466
UL	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000

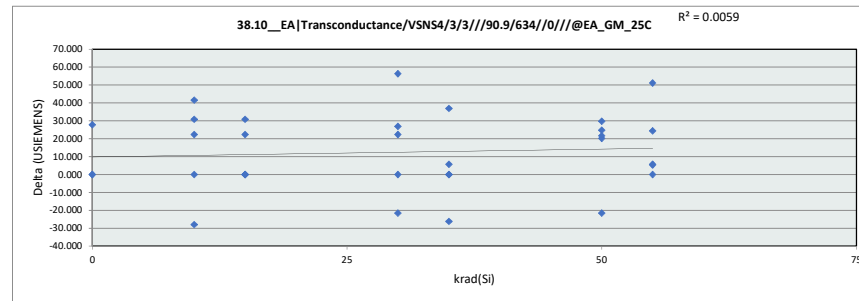


TID HDR Report

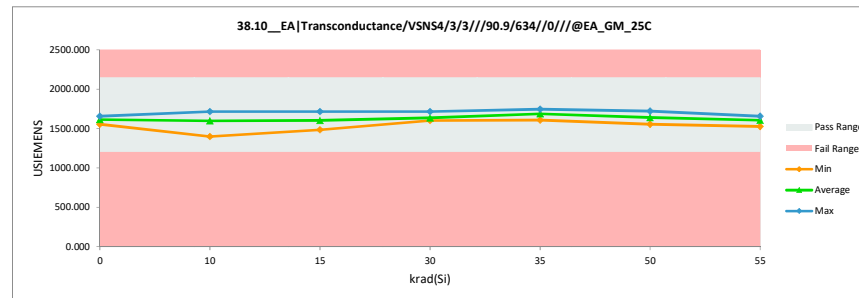
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.10_EA Transconductance/VSNS4/3/3///90.9/634/0/0///@EA_GM_25C				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	2143		
Min Limit	1153	1201		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1555.144	1555.144	0.000
0	98	1655.989	1655.989	0.000
0	99	1655.989	1628.204	27.785
10	1	1439.777	1398.285	41.492
10	2	1745.341	1714.505	30.836
10	3	1580.472	1580.472	0.000
10	4	1633.686	1661.660	-27.974
10	5	1655.989	1633.686	22.303
15	6	1530.615	1530.615	0.000
15	7	1655.989	1633.686	22.303
15	8	1745.341	1714.505	30.836
15	9	1655.989	1655.989	0.000
15	10	1483.807	1483.807	0.000
30	11	1628.204	1601.336	26.868
30	12	1655.989	1633.686	22.303
30	13	1601.336	1601.336	0.000
30	14	1606.639	1628.204	-21.566
30	15	1770.821	1714.505	56.316
35	16	1661.660	1655.989	5.671
35	17	1714.505	1714.505	0.000
35	18	1745.341	1745.341	0.000
35	19	1580.472	1606.639	-26.167
35	20	1745.341	1708.468	36.873
50	21	1606.639	1628.204	-21.566
50	22	1575.340	1555.144	20.197
50	23	1628.204	1606.639	21.566
50	24	1714.505	1684.739	29.766
50	25	1745.341	1720.584	24.757
55	26	1684.739	1633.686	51.053
55	27	1606.639	1601.336	5.302
55	28	1606.639	1606.639	0.000
55	29	1550.175	1525.801	24.374
55	31	1661.660	1655.989	5.671
	Max	1770.821	1745.341	56.316
	Average	1638.919	1626.525	12.394
	Min	1439.777	1398.285	-27.974
	Std Dev	78.539	74.195	21.016



38.10_EA Transconductance							
Test Site							
Tester							
Test Number							
Max Limit	2143	USIEMENS					
Min Limit	1201	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000
Min	1555.144	1398.285	1483.807	1601.336	1606.639	1555.144	1525.801
Average	1613.112	1597.722	1603.720	1635.813	1686.188	1639.062	1604.690
Max	1655.989	1714.505	1714.505	1714.505	1745.341	1720.585	1655.989
UL	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000

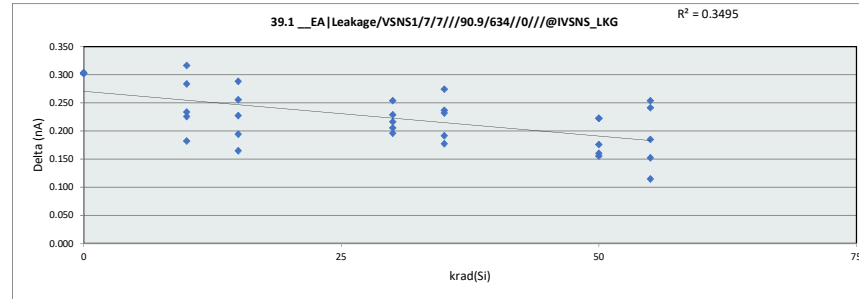


TID HDR Report

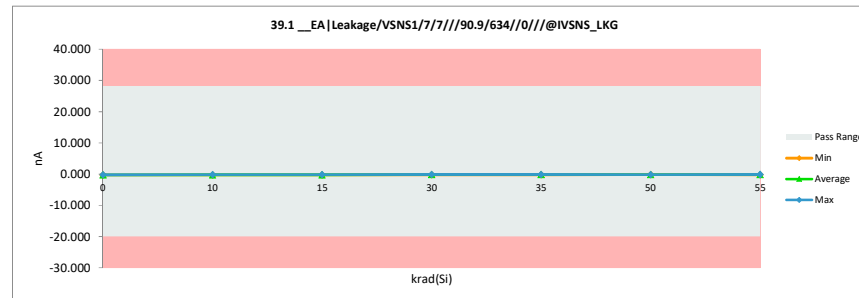
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.1 __EA Leakage/VSNS1/7/7///90.9/634/				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.051	-0.252	0.302
0	98	0.069	-0.234	0.304
0	99	0.104	-0.199	0.302
10	1	0.029	-0.255	0.284
10	2	0.088	-0.228	0.316
10	3	0.058	-0.167	0.226
10	4	0.029	-0.153	0.182
10	5	0.080	-0.153	0.234
15	6	0.066	-0.161	0.227
15	7	0.057	-0.199	0.255
15	8	0.052	-0.142	0.194
15	9	0.024	-0.141	0.165
15	10	0.012	-0.277	0.288
30	11	0.034	-0.162	0.196
30	12	0.030	-0.175	0.205
30	13	0.110	-0.119	0.229
30	14	0.069	-0.147	0.216
30	15	0.062	-0.192	0.254
35	16	0.126	-0.106	0.232
35	17	0.046	-0.228	0.274
35	18	0.029	-0.208	0.237
35	19	0.009	-0.183	0.191
35	20	0.058	-0.119	0.177
50	21	0.007	-0.169	0.176
50	22	0.012	-0.148	0.160
50	23	0.063	-0.159	0.223
50	24	0.071	-0.152	0.223
50	25	0.012	-0.144	0.155
55	26	-0.004	-0.119	0.115
55	27	0.058	-0.127	0.185
55	28	0.023	-0.130	0.152
55	29	0.063	-0.191	0.254
55	31	0.057	-0.184	0.241
Max		0.126	-0.106	0.316
Average		0.050	-0.173	0.223
Min		-0.004	-0.277	0.115
Std Dev		0.031	0.043	0.050



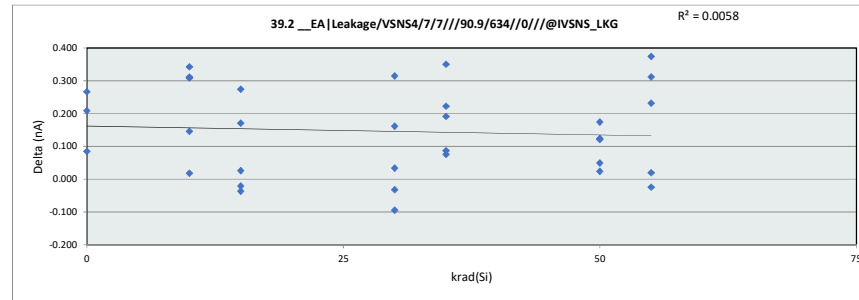
39.1 __EA Leakage/VSNS1/7/7///90.9/634/							
Test Site							
Tester							
Test Number							
Max Limit	28	nA					
Min Limit	-20	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.252	-0.255	-0.277	-0.192	-0.228	-0.169	-0.191
Average	-0.228	-0.191	-0.184	-0.159	-0.169	-0.154	-0.150
Max	-0.199	-0.153	-0.141	-0.119	-0.106	-0.144	-0.119
UL	28.000	28.000	28.000	28.000	28.000	28.000	28.000



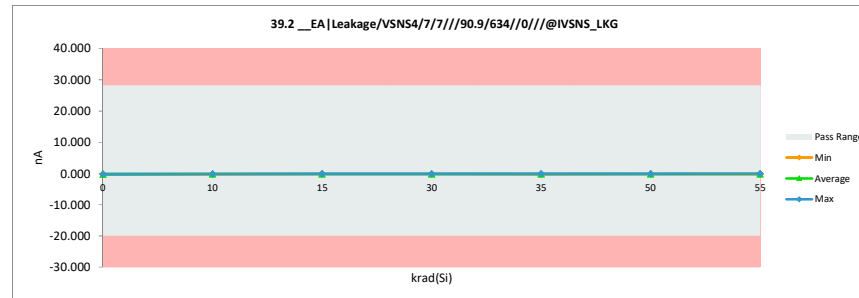
TID HDR Report TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.2 __EA Leakage/VSNS4/7/7///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.054	-0.212	0.266
0	98	-0.142	-0.228	0.085
0	99	-0.010	-0.218	0.208
10	1	0.150	-0.193	0.343
10	2	-0.047	-0.193	0.146
10	3	-0.117	-0.135	0.018
10	4	0.159	-0.149	0.308
10	5	0.175	-0.137	0.312
15	6	-0.158	-0.137	-0.021
15	7	0.118	-0.156	0.274
15	8	-0.060	-0.086	0.026
15	9	-0.003	-0.175	0.171
15	10	-0.191	-0.154	-0.036
30	11	-0.134	-0.103	-0.032
30	12	-0.005	-0.167	0.162
30	13	-0.134	-0.168	0.034
30	14	-0.170	-0.076	-0.094
30	15	0.173	-0.142	0.315
35	16	-0.072	-0.159	0.087
35	17	-0.130	-0.206	0.076
35	18	0.068	-0.154	0.223
35	19	0.059	-0.132	0.191
35	20	0.234	-0.117	0.351
50	21	0.011	-0.114	0.124
50	22	-0.024	-0.145	0.121
50	23	0.039	-0.135	0.174
50	24	-0.113	-0.162	0.049
50	25	-0.113	-0.137	0.024
55	26	-0.097	-0.073	-0.024
55	27	-0.136	-0.156	0.020
55	28	0.187	-0.125	0.312
55	29	0.182	-0.192	0.374
55	31	0.083	-0.149	0.232
Max		0.234	-0.073	0.374
Average		-0.005	-0.151	0.146
Min		-0.191	-0.228	-0.094
Std Dev		0.126	0.038	0.134



39.2 __EA Leakage/VSNS4/7/7///90.9/634//							
Test Site							
Tester							
Test Number							
Max Limit	28	nA					
Min Limit	-20	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.228	-0.193	-0.175	-0.168	-0.206	-0.162	-0.192
Average	-0.219	-0.162	-0.141	-0.131	-0.154	-0.139	-0.139
Max	-0.212	-0.136	-0.086	-0.076	-0.117	-0.114	-0.073
UL	28.000	28.000	28.000	28.000	28.000	28.000	28.000

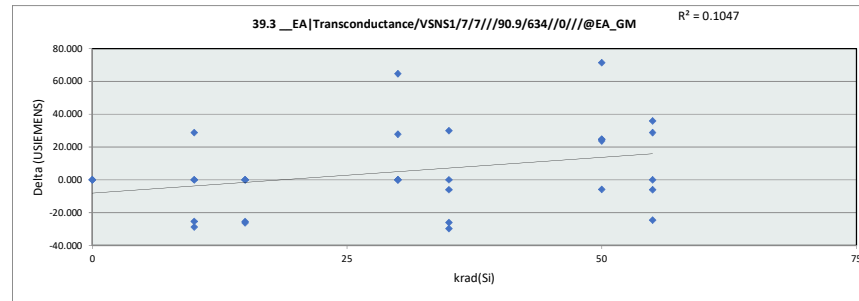


TID HDR Report

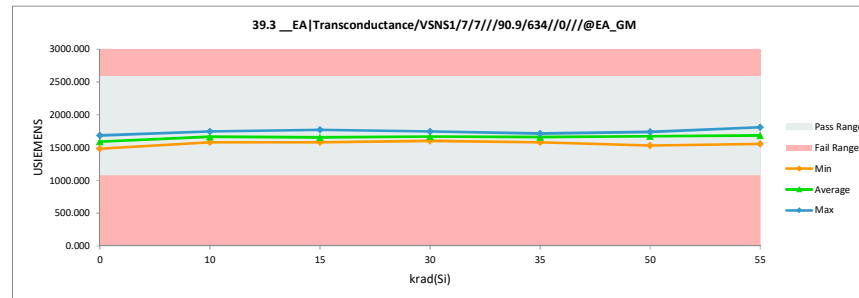
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.3 __EA Transconductance/VSNS1/7/7///9				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2630	2582		
Min Limit	1029	1077		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1483.807	1483.807	0.000
0	98	1684.739	1684.739	0.000
0	99	1601.336	1601.336	0.000
10	1	1555.144	1580.472	-25.328
10	2	1684.739	1655.989	28.750
10	3	1655.989	1684.739	-28.750
10	4	1745.341	1745.341	0.000
10	5	1655.989	1655.989	0.000
15	6	1714.505	1714.505	0.000
15	7	1601.336	1601.336	0.000
15	8	1745.341	1770.821	-25.479
15	9	1580.472	1606.639	-26.167
15	10	1580.472	1580.472	0.000
30	11	1655.989	1628.204	27.785
30	12	1803.735	1739.085	64.650
30	13	1628.204	1628.204	0.000
30	14	1601.336	1601.336	0.000
30	15	1745.341	1745.341	0.000
35	16	1575.340	1601.336	-25.996
35	17	1684.739	1714.505	-29.766
35	18	1720.584	1690.609	29.975
35	19	1580.472	1580.472	0.000
35	20	1708.468	1714.505	-6.037
50	21	1555.144	1530.615	24.529
50	22	1810.466	1739.085	71.380
50	23	1745.341	1720.584	24.757
50	24	1708.468	1684.739	23.729
50	25	1684.739	1690.609	-5.870
55	26	1684.739	1655.989	28.750
55	27	1810.466	1810.466	0.000
55	28	1708.468	1714.505	-6.037
55	29	1530.615	1555.144	-24.529
55	31	1720.584	1684.739	35.845
Max		1810.466	1810.466	71.380
Average		1665.226	1660.493	4.733
Min		1483.807	1483.807	-29.766
Std Dev		83.271	74.645	24.997



39.3 __EA Transconductance/							
Test Site							
Tester							
Test Number							
Max Limit	2582	USIEMENS					
Min Limit	1077	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000
Min	1483.807	1580.472	1580.472	1601.336	1580.472	1530.615	1555.144
Average	1589.961	1664.506	1654.754	1668.434	1660.285	1673.127	1684.168
Max	1684.739	1745.341	1770.821	1745.341	1714.505	1739.085	1810.466
UL	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000

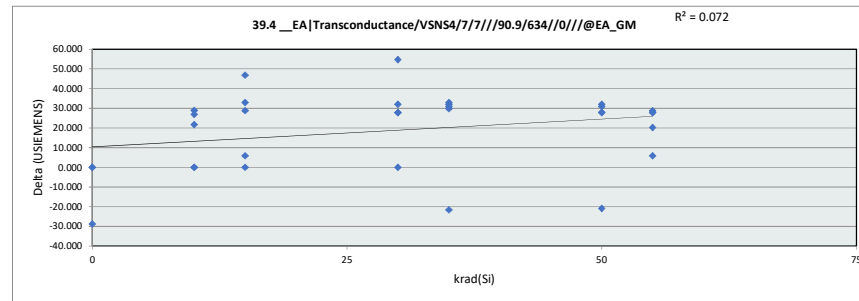


TID HDR Report

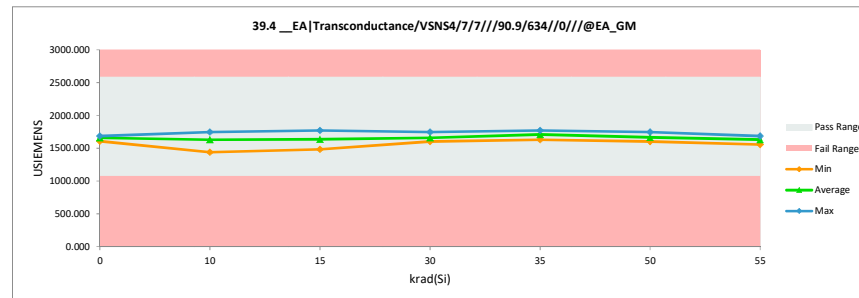
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.4 __EA Transconductance/VSNS4/7/7///9				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2630	2582		
Min Limit	1029	1077		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1606.639	1606.639	0.000
0	98	1684.739	1684.739	0.000
0	99	1655.989	1684.739	-28.750
10	1	1461.460	1439.777	21.683
10	2	1745.341	1745.341	0.000
10	3	1628.204	1601.336	26.868
10	4	1690.609	1661.660	28.949
10	5	1690.609	1690.609	0.000
15	6	1580.472	1580.472	0.000
15	7	1684.739	1655.989	28.750
15	8	1803.735	1770.821	32.915
15	9	1690.609	1684.739	5.870
15	10	1530.615	1483.807	46.808
30	11	1655.989	1601.336	54.653
30	12	1684.739	1684.739	0.000
30	13	1655.989	1628.204	27.785
30	14	1655.989	1628.204	27.785
30	15	1777.307	1745.341	31.966
35	16	1714.505	1684.739	29.766
35	17	1745.341	1714.505	30.836
35	18	1777.307	1745.341	31.966
35	19	1606.639	1628.204	-21.566
35	20	1803.735	1770.821	32.915
50	21	1655.989	1628.204	27.785
50	22	1580.472	1601.336	-20.864
50	23	1661.660	1633.686	27.974
50	24	1745.341	1714.505	30.836
50	25	1777.307	1745.341	31.966
55	26	1684.739	1655.989	28.750
55	27	1655.989	1628.204	27.785
55	28	1661.660	1633.686	27.974
55	29	1575.340	1555.144	20.197
55	31	1690.609	1684.739	5.870
	Max	1803.735	1770.821	54.653
	Average	1673.346	1654.634	18.711
	Min	1461.460	1439.777	-28.750
	Std Dev	77.161	74.959	19.513



39.4 __EA Transconductance/							
Test Site							
Tester							
Test Number							
Max Limit	2582	USIEMENS					
Min Limit	1077	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000	1077.000
Min	1606.639	1439.777	1483.807	1601.336	1628.204	1601.336	1555.144
Average	1658.706	1627.745	1635.165	1657.565	1708.722	1664.614	1631.552
Max	1684.739	1745.341	1770.821	1745.341	1770.821	1745.341	1684.739
UL	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000	2582.000

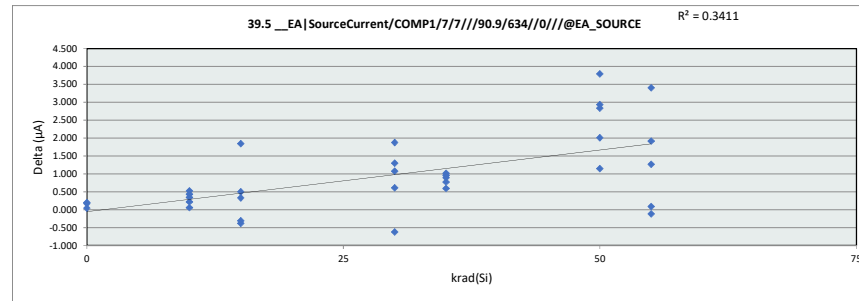


TID HDR Report

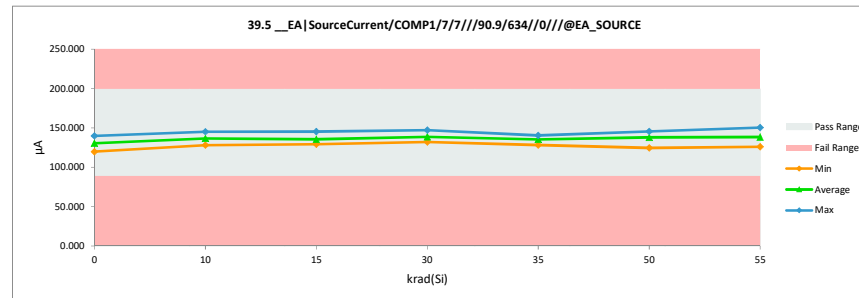
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.5 __EA SourceCurrent/COMP1/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		200	199	
Min Limit		88	89	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	119.958	119.758	0.200
0	98	139.977	139.808	0.169
0	99	131.606	131.561	0.045
10	1	128.326	128.109	0.217
10	2	136.235	136.177	0.058
10	3	137.924	137.493	0.430
10	4	145.422	145.081	0.342
10	5	136.055	135.528	0.528
15	6	142.549	142.052	0.497
15	7	131.590	131.900	-0.310
15	8	147.041	145.196	1.845
15	9	129.461	129.842	-0.381
15	10	129.538	129.210	0.328
30	11	136.256	135.644	0.612
30	12	149.089	147.215	1.874
30	13	132.956	133.580	-0.625
30	14	133.229	132.154	1.075
30	15	145.927	144.628	1.299
35	16	130.007	129.236	0.770
35	17	141.371	140.355	1.016
35	18	140.025	139.430	0.595
35	19	129.139	128.245	0.894
35	20	140.582	139.621	0.961
50	21	127.462	124.628	2.834
50	22	149.242	145.451	3.791
50	23	142.563	141.415	1.147
50	24	140.804	138.793	2.011
50	25	142.235	139.303	2.932
55	26	139.445	136.042	3.403
55	27	151.614	150.349	1.265
55	28	141.859	141.769	0.090
55	29	125.825	125.943	-0.118
55	31	139.655	137.739	1.916
Max		151.614	150.349	3.791
Average		137.423	136.462	0.961
Min		119.958	119.758	-0.625
Std Dev		7.587	7.161	1.094



39.5 __EA SourceCurrent/COMP1/7/7///90.9/634//0///@EA_SOURCE							
Test Site							
Tester							
Test Number							
Max Limit		199	µA				
Min Limit		89	µA				
krad(Si)	0	10	15	30	35	50	55
LL	89.000	89.000	89.000	89.000	89.000	89.000	89.000
Min	119.758	128.109	129.210	132.154	128.245	124.628	125.943
Average	130.376	136.478	135.640	138.644	135.377	137.918	138.368
Max	139.808	145.081	145.196	147.215	140.355	145.451	150.349
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

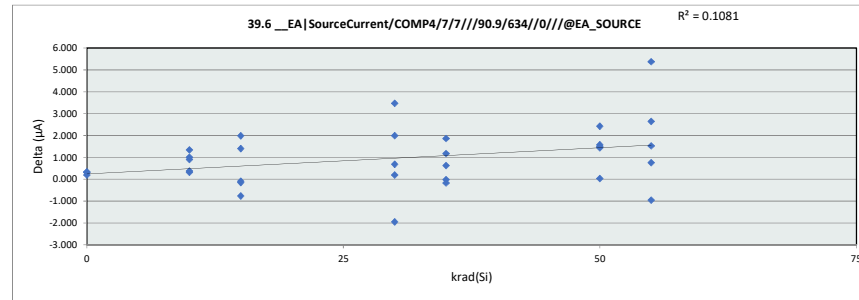


TID HDR Report

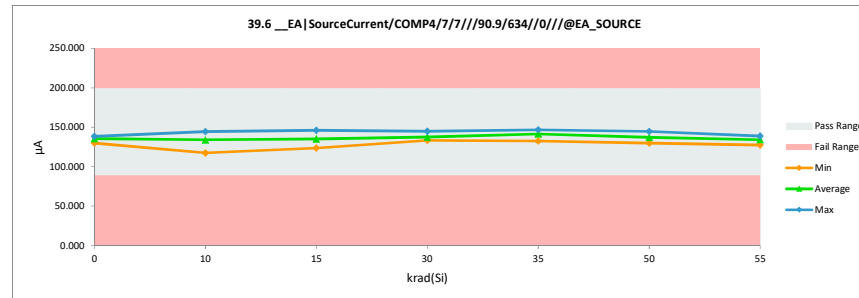
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.6 __EA SourceCurrent/COMP4/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	199	
Min Limit		88	89	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	130.060	129.868	0.193
0	98	138.705	138.368	0.336
0	99	138.725	138.417	0.307
10	1	118.345	117.341	1.004
10	2	144.779	144.400	0.378
10	3	133.110	132.207	0.903
10	4	138.168	137.849	0.319
10	5	139.511	138.169	1.342
15	6	128.784	128.875	-0.091
15	7	139.960	137.977	1.983
15	8	147.411	146.011	1.399
15	9	138.570	139.335	-0.764
15	10	123.430	123.582	-0.152
30	11	135.246	133.256	1.990
30	12	138.439	138.247	0.192
30	13	136.223	135.541	0.682
30	14	133.913	135.864	-1.951
30	15	148.262	144.787	3.475
35	16	139.937	138.763	1.174
35	17	142.576	142.592	-0.016
35	18	147.389	146.766	0.622
35	19	132.322	132.495	-0.172
35	20	148.556	146.695	1.861
50	21	136.751	135.316	1.435
50	22	131.517	129.938	1.578
50	23	134.758	134.722	0.036
50	24	143.688	141.264	2.424
50	25	146.266	144.755	1.510
55	26	141.056	135.680	5.376
55	27	135.993	134.469	1.524
55	28	134.713	133.954	0.759
55	29	129.990	127.344	2.645
55	31	137.844	138.799	-0.955
Max		148.556	146.766	5.376
Average		137.424	136.474	0.950
Min		118.345	117.341	-1.951
Std Dev		6.924	6.660	1.356



39.6 __EA SourceCurrent/COMP4/7/7///90.9/634/0///@EA_SOURCE							
Test Site							
Tester							
Test Number							
Max Limit		199	μA				
Min Limit		89	μA				
krad(Si)	0	10	15	30	35	50	55
LL	89.000	89.000	89.000	89.000	89.000	89.000	89.000
Min	129.868	117.341	123.582	133.256	132.495	129.938	127.344
Average	135.551	133.993	135.156	137.539	141.462	137.199	134.049
Max	138.417	144.400	146.011	144.787	146.766	144.755	138.799
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

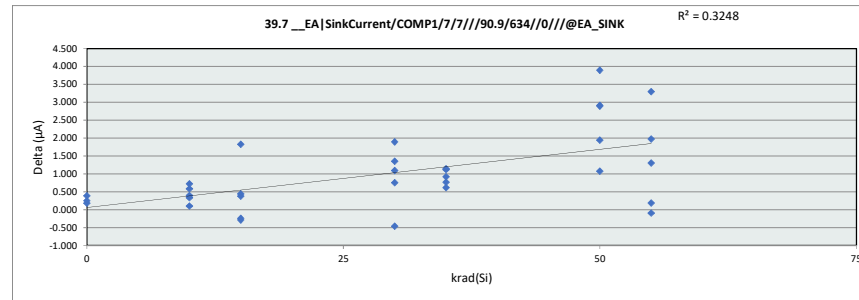


TID HDR Report

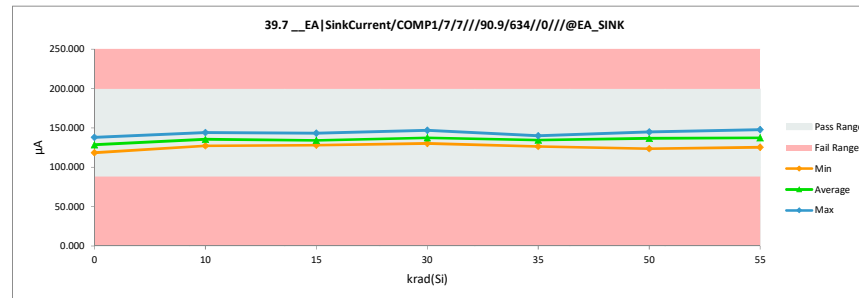
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.7 __EA SinkCurrent/COMP1/7/7///90.9/634/0///@EA_SINK				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		200	199	
Min Limit		87	88	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	118.781	118.534	0.247
0	98	138.407	138.020	0.386
0	99	129.659	129.477	0.182
10	1	127.569	127.174	0.395
10	2	134.607	134.508	0.099
10	3	137.891	137.167	0.724
10	4	144.450	144.119	0.331
10	5	134.823	134.238	0.585
15	6	141.082	140.704	0.378
15	7	130.478	130.721	-0.243
15	8	145.028	143.203	1.825
15	9	127.744	128.031	-0.287
15	10	128.742	128.302	0.440
30	11	135.274	134.521	0.753
30	12	148.880	146.989	1.891
30	13	131.366	131.827	-0.461
30	14	131.353	130.258	1.095
30	15	145.219	143.865	1.353
35	16	128.811	128.042	0.768
35	17	141.190	140.070	1.119
35	18	139.821	139.205	0.617
35	19	127.390	126.470	0.920
35	20	140.208	139.064	1.144
50	21	126.473	123.563	2.909
50	22	148.849	144.956	3.893
50	23	140.583	139.510	1.073
50	24	139.891	137.947	1.944
50	25	140.290	137.398	2.892
55	26	139.622	136.324	3.297
55	27	149.024	147.720	1.304
55	28	141.085	140.900	0.185
55	29	125.232	125.325	-0.094
55	31	138.668	136.693	1.975
	Max	149.024	147.720	3.893
	Average	136.318	135.298	1.019
	Min	118.781	118.534	-0.461
	Std Dev	7.642	7.213	1.062



39.7 __EA SinkCurrent/COMP1/7/7///90.9/634/0///@EA_SINK							
Test Site							
Tester							
Test Number							
Max Limit		199	µA				
Min Limit		88	µA				
krad(Si)	0	10	15	30	35	50	55
LL	88.000	88.000	88.000	88.000	88.000	88.000	88.000
Min	118.534	127.174	128.031	130.258	126.470	123.563	125.325
Average	128.677	135.441	134.192	137.492	134.570	136.675	137.392
Max	138.020	144.119	143.203	146.989	140.070	144.956	147.720
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

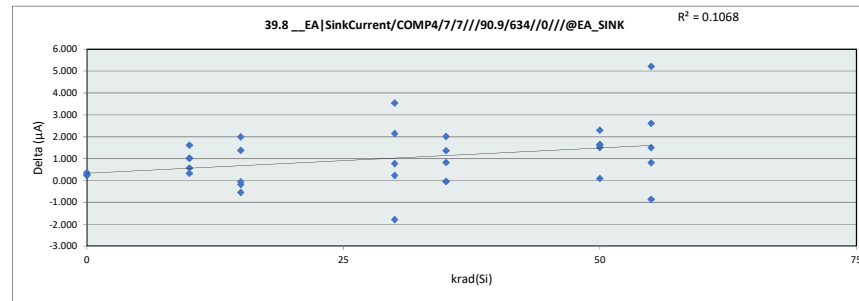


TID HDR Report

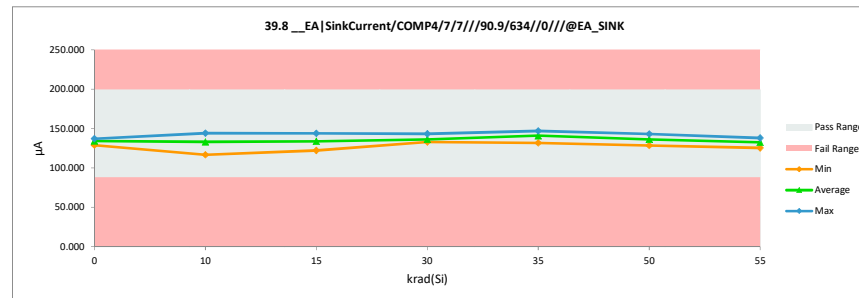
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.8 __EA SinkCurrent/COMP4/7/7///90.9/634/0///@EA_SINK				
Test Site				
Tester				
Test Number				
Unit	μA	μA		
Max Limit	200	199		
Min Limit	87	88		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	129.155	128.806	0.349
0	98	136.847	136.612	0.236
0	99	137.318	137.077	0.241
10	1	117.589	116.580	1.009
10	2	144.622	144.051	0.572
10	3	131.644	130.625	1.019
10	4	137.008	136.688	0.319
10	5	139.499	137.890	1.610
15	6	127.939	128.001	-0.062
15	7	138.198	136.208	1.990
15	8	145.255	143.883	1.372
15	9	137.605	138.154	-0.549
15	10	121.917	122.100	-0.184
30	11	135.061	132.922	2.139
30	12	137.792	137.566	0.225
30	13	134.609	133.842	0.767
30	14	131.786	133.579	-1.793
30	15	146.746	143.206	3.539
35	16	140.115	138.754	1.361
35	17	141.740	141.783	-0.043
35	18	147.775	146.954	0.822
35	19	131.689	131.735	-0.046
35	20	147.266	145.252	2.014
50	21	135.207	133.702	1.505
50	22	129.972	128.350	1.622
50	23	134.523	134.436	0.086
50	24	143.235	140.936	2.298
50	25	144.760	143.112	1.648
55	26	139.359	134.144	5.215
55	27	133.474	131.973	1.501
55	28	133.908	133.093	0.815
55	29	127.935	125.322	2.613
55	31	137.041	137.904	-0.862
Max		147.775	146.954	5.215
Average		136.321	135.310	1.010
Min		117.589	116.580	-1.793
Std Dev		7.021	6.761	1.322



39.8 __EA SinkCurrent/COMP4/7/7///90.9/634/0///@EA_SINK							
Test Site							
Tester							
Test Number							
Max Limit	199	μA					
Min Limit	88	μA					
krad(Si)	0	10	15	30	35	50	55
LL	88.000	88.000	88.000	88.000	88.000	88.000	88.000
Min	128.806	116.580	122.100	132.922	131.735	128.350	125.322
Average	134.165	133.167	133.669	136.223	140.896	136.107	132.487
Max	137.077	144.051	143.884	143.206	146.954	143.112	137.904
UL	199.000	199.000	199.000	199.000	199.000	199.000	199.000

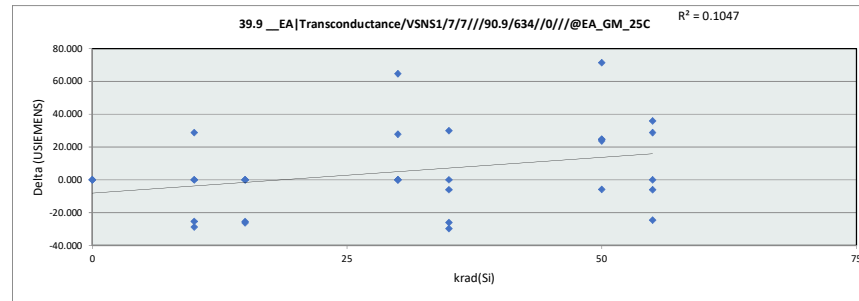


TID HDR Report

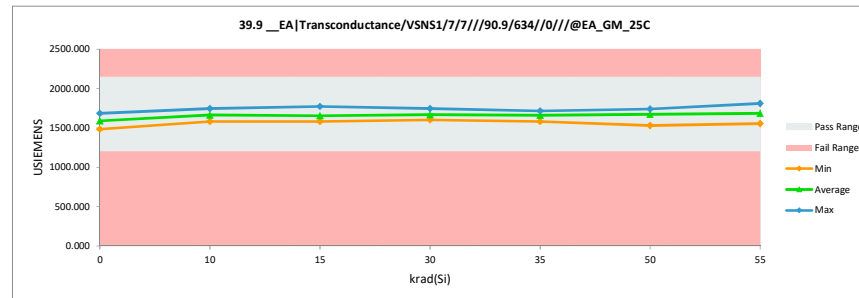
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.9 __EA Transconductance/VSNS1/7/7///9				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	2143		
Min Limit	1153	1201		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1483.807	1483.807	0.000
0	98	1684.739	1684.739	0.000
0	99	1601.336	1601.336	0.000
10	1	1555.144	1580.472	-25.328
10	2	1684.739	1655.989	28.750
10	3	1655.989	1684.739	-28.750
10	4	1745.341	1745.341	0.000
10	5	1655.989	1655.989	0.000
15	6	1714.505	1714.505	0.000
15	7	1601.336	1601.336	0.000
15	8	1745.341	1770.821	-25.479
15	9	1580.472	1606.639	-26.167
15	10	1580.472	1580.472	0.000
30	11	1655.989	1628.204	27.785
30	12	1803.735	1739.085	64.650
30	13	1628.204	1628.204	0.000
30	14	1601.336	1601.336	0.000
30	15	1745.341	1745.341	0.000
35	16	1575.340	1601.336	-25.996
35	17	1684.739	1714.505	-29.766
35	18	1720.584	1690.609	29.975
35	19	1580.472	1580.472	0.000
35	20	1708.468	1714.505	-6.037
50	21	1555.144	1530.615	24.529
50	22	1810.466	1739.085	71.380
50	23	1745.341	1720.584	24.757
50	24	1708.468	1684.739	23.729
50	25	1684.739	1690.609	-5.870
55	26	1684.739	1655.989	28.750
55	27	1810.466	1810.466	0.000
55	28	1708.468	1714.505	-6.037
55	29	1530.615	1555.144	-24.529
55	31	1720.584	1684.739	35.845
	Max	1810.466	1810.466	71.380
	Average	1665.226	1660.493	4.733
	Min	1483.807	1483.807	-29.766
	Std Dev	83.271	74.645	24.997



39.9 __EA Transconductance/							
Test Site							
Tester							
Test Number							
Max Limit	2143	USIEMENS					
Min Limit	1201	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000
Min	1483.807	1580.472	1580.472	1601.336	1580.472	1530.615	1555.144
Average	1589.961	1664.506	1654.754	1668.434	1660.285	1673.127	1684.168
Max	1684.739	1745.341	1770.821	1745.341	1714.505	1739.085	1810.466
UL	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000

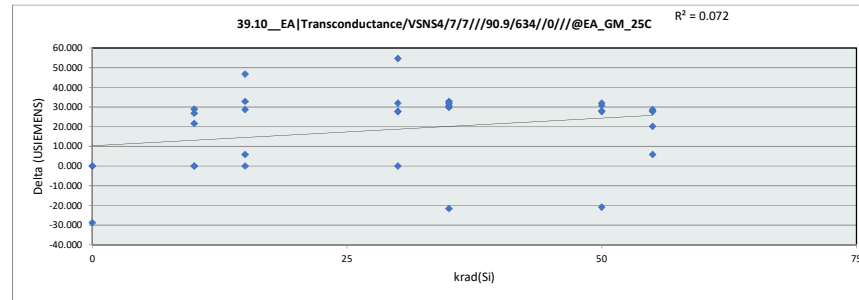


TID HDR Report

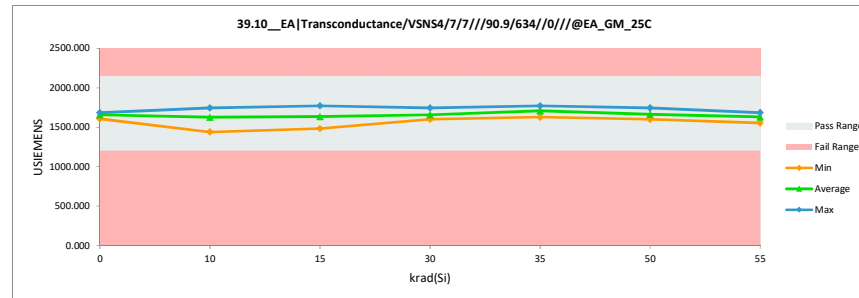
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

39.10_EA Transconductance/VSNS4/7/7///90.9/634/0///@EA_GM_25C				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	2143		
Min Limit	1153	1201		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1606.639	1606.639	0.000
0	98	1684.739	1684.739	0.000
0	99	1655.989	1684.739	-28.750
10	1	1461.460	1439.777	21.683
10	2	1745.341	1745.341	0.000
10	3	1628.204	1601.336	26.868
10	4	1690.609	1661.660	28.949
10	5	1690.609	1690.609	0.000
15	6	1580.472	1580.472	0.000
15	7	1684.739	1655.989	28.750
15	8	1803.735	1770.821	32.915
15	9	1690.609	1684.739	5.870
15	10	1530.615	1483.807	46.808
30	11	1655.989	1601.336	54.653
30	12	1684.739	1684.739	0.000
30	13	1655.989	1628.204	27.785
30	14	1655.989	1628.204	27.785
30	15	1777.307	1745.341	31.966
35	16	1714.505	1684.739	29.766
35	17	1745.341	1714.505	30.836
35	18	1777.307	1745.341	31.966
35	19	1606.639	1628.204	-21.566
35	20	1803.735	1770.821	32.915
50	21	1655.989	1628.204	27.785
50	22	1580.472	1601.336	-20.864
50	23	1661.660	1633.686	27.974
50	24	1745.341	1714.505	30.836
50	25	1777.307	1745.341	31.966
55	26	1684.739	1655.989	28.750
55	27	1655.989	1628.204	27.785
55	28	1661.660	1633.686	27.974
55	29	1575.340	1555.144	20.197
55	31	1690.609	1684.739	5.870
	Max	1803.735	1770.821	54.653
	Average	1673.346	1654.634	18.711
	Min	1461.460	1439.777	-28.750
	Std Dev	77.161	74.959	19.513



39.10_EA Transconductance							
Test Site							
Tester							
Test Number							
Max Limit	2143	USIEMENS					
Min Limit	1201	USIEMENS					
krad(Si)	0	10	15	30	35	50	55
LL	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000	1201.000
Min	1606.639	1439.777	1483.807	1601.336	1628.204	1601.336	1555.144
Average	1658.706	1627.745	1635.165	1657.565	1708.722	1664.614	1631.552
Max	1684.739	1745.341	1770.821	1745.341	1770.821	1745.341	1684.739
UL	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000	2143.000

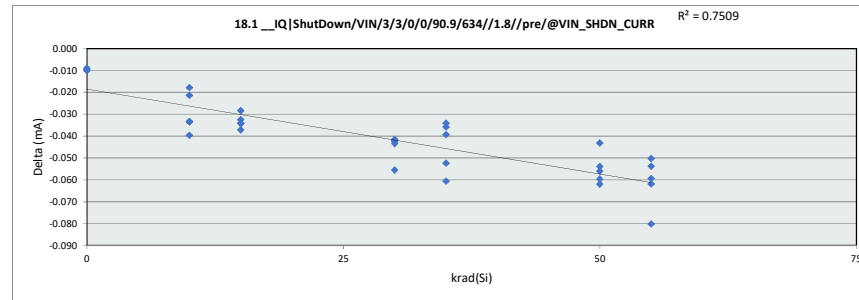


TID HDR Report

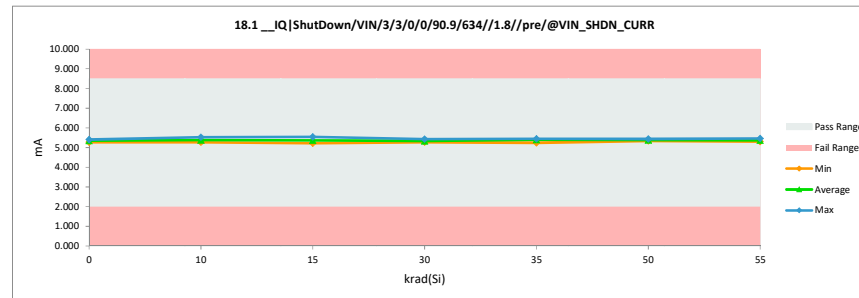
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

18.1 __IQ ShutDown/VIN/3/3/0/0/90.9/634				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		8.5	8.482	
Min Limit		0.7036	2	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.269	5.279	-0.010
0	98	5.395	5.404	-0.009
0	99	5.381	5.391	-0.010
10	1	5.253	5.271	-0.018
10	2	5.346	5.367	-0.021
10	3	5.388	5.422	-0.033
10	4	5.490	5.523	-0.033
10	5	5.268	5.308	-0.040
15	6	5.354	5.386	-0.033
15	7	5.279	5.313	-0.034
15	8	5.516	5.545	-0.028
15	9	5.333	5.367	-0.034
15	10	5.182	5.219	-0.037
30	11	5.236	5.278	-0.042
30	12	5.324	5.367	-0.043
30	13	5.291	5.332	-0.042
30	14	5.235	5.278	-0.043
30	15	5.375	5.431	-0.056
35	16	5.397	5.437	-0.039
35	17	5.413	5.448	-0.034
35	18	5.391	5.427	-0.036
35	19	5.189	5.241	-0.052
35	20	5.385	5.445	-0.061
50	21	5.306	5.369	-0.062
50	22	5.287	5.341	-0.054
50	23	5.285	5.345	-0.060
50	24	5.382	5.438	-0.056
50	25	5.377	5.420	-0.043
55	26	5.299	5.359	-0.059
55	27	5.286	5.337	-0.050
55	28	5.405	5.459	-0.054
55	29	5.232	5.312	-0.080
55	31	5.324	5.385	-0.062
Max		5.516	5.545	-0.009
Average		5.330	5.371	-0.041
Min		5.182	5.219	-0.080
Std Dev		0.078	0.076	0.017



18.1 __IQ ShutDown/VIN/3/3/0/0/90.9/634							
Test Site							
Tester							
Test Number							
Max Limit		8.482	mA				
Min Limit		2	mA				
krad(Si)	0	10	15	30	35	50	55
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.279	5.271	5.219	5.278	5.241	5.341	5.312
Average	5.358	5.378	5.366	5.337	5.400	5.382	5.370
Max	5.404	5.523	5.545	5.431	5.448	5.438	5.459
UL	8.482	8.482	8.482	8.482	8.482	8.482	8.482

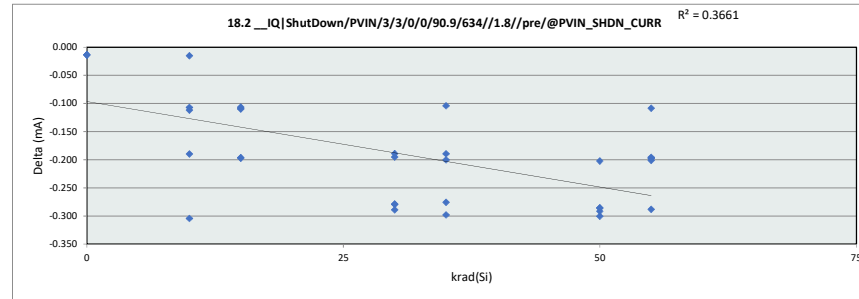


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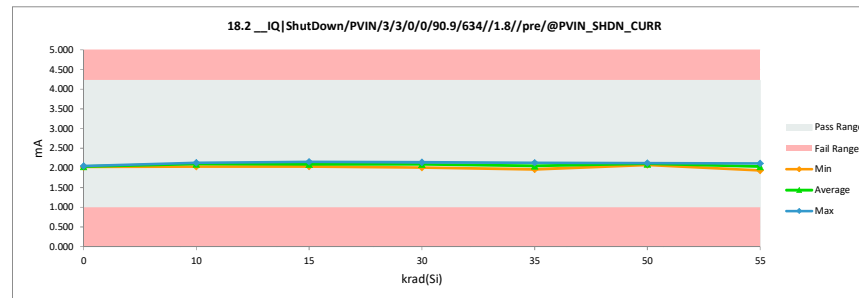
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

18.2 __IQ ShutDown/PVIN/3/3/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	4.3	4.216		
Min Limit	0.3568	1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.036	2.049	-0.013
0	98	2.009	2.023	-0.013
0	99	2.021	2.035	-0.014
10	1	2.114	2.130	-0.015
10	2	2.022	2.129	-0.107
10	3	1.911	2.101	-0.190
10	4	1.920	2.032	-0.112
10	5	1.820	2.125	-0.304
15	6	2.045	2.154	-0.108
15	7	2.010	2.120	-0.110
15	8	1.937	2.044	-0.107
15	9	1.926	2.123	-0.196
15	10	1.839	2.036	-0.197
30	11	1.847	2.136	-0.289
30	12	1.834	2.029	-0.195
30	13	1.865	2.144	-0.279
30	14	1.818	2.007	-0.189
30	15	1.846	2.125	-0.280
35	16	1.816	2.114	-0.298
35	17	1.860	1.964	-0.104
35	18	1.833	2.033	-0.200
35	19	1.837	2.027	-0.189
35	20	1.855	2.130	-0.276
50	21	1.822	2.122	-0.300
50	22	1.803	2.089	-0.286
50	23	1.821	2.107	-0.286
50	24	1.831	2.122	-0.292
50	25	1.875	2.077	-0.202
55	26	1.832	2.030	-0.197
55	27	1.862	2.063	-0.201
55	28	1.828	1.936	-0.108
55	29	1.827	2.115	-0.288
55	31	1.849	2.045	-0.196
Max		2.114	2.154	-0.013
Average		1.890	2.076	-0.186
Min		1.803	1.936	-0.304
Std Dev		0.085	0.055	0.093



18.2 __IQ ShutDown/PVIN/3							
Test Site							
Tester							
Test Number							
Max Limit	4.216	mA					
Min Limit	1	mA					
krad(Si)	0	10	15	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	2.023	2.032	2.036	2.007	1.964	2.077	1.936
Average	2.036	2.103	2.095	2.088	2.054	2.104	2.038
Max	2.049	2.130	2.154	2.144	2.130	2.122	2.115
UL	4.216	4.216	4.216	4.216	4.216	4.216	4.216

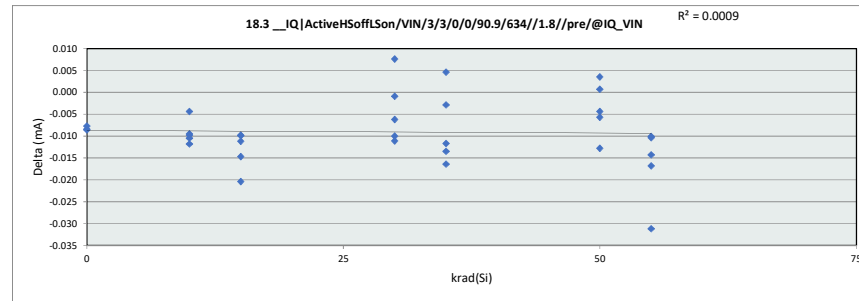


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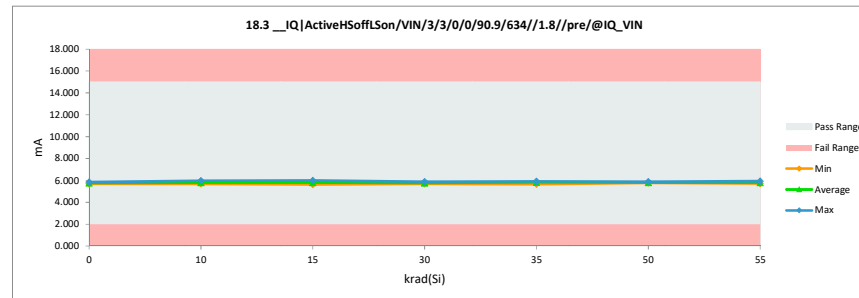
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

18.3 __IQ ActiveHSoftLson/VIN/3/3/0/0/90.9/634//1.8//pre/@IQ_VIN				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	15	14.988		
Min Limit	-0.5976	2		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.692	5.701	-0.009
0	98	5.828	5.837	-0.008
0	99	5.806	5.813	-0.008
10	1	5.667	5.678	-0.010
10	2	5.786	5.790	-0.004
10	3	5.848	5.858	-0.010
10	4	5.969	5.979	-0.010
10	5	5.717	5.728	-0.012
15	6	5.810	5.830	-0.020
15	7	5.706	5.715	-0.010
15	8	5.978	5.987	-0.010
15	9	5.781	5.793	-0.011
15	10	5.624	5.639	-0.015
30	11	5.723	5.716	0.008
30	12	5.800	5.810	-0.010
30	13	5.753	5.754	-0.001
30	14	5.683	5.694	-0.011
30	15	5.874	5.880	-0.006
35	16	5.853	5.849	0.005
35	17	5.908	5.919	-0.012
35	18	5.880	5.883	-0.003
35	19	5.645	5.661	-0.016
35	20	5.861	5.874	-0.014
50	21	5.766	5.779	-0.013
50	22	5.769	5.768	0.001
50	23	5.762	5.768	-0.006
50	24	5.875	5.879	-0.004
50	25	5.880	5.877	0.003
55	26	5.781	5.791	-0.010
55	27	5.754	5.765	-0.010
55	28	5.906	5.923	-0.017
55	29	5.690	5.721	-0.031
55	31	5.806	5.820	-0.014
Max		5.978	5.987	0.008
Average		5.793	5.802	-0.009
Min		5.624	5.639	-0.031
Std Dev		0.089	0.088	0.007



18.3 __IQ ActiveHSoftLson/VIN/3/3/0/0/90.9/634//1.8//pre/@IQ_VIN							
Test Site							
Tester							
Test Number							
Max Limit	14.988	mA					
Min Limit	2	mA					
krad(Si)	0	10	15	30	35	50	55
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	5.701	5.678	5.639	5.695	5.661	5.768	5.721
Average	5.784	5.807	5.793	5.771	5.837	5.814	5.804
Max	5.837	5.979	5.987	5.880	5.920	5.879	5.923
UL	14.988	14.988	14.988	14.988	14.988	14.988	14.988



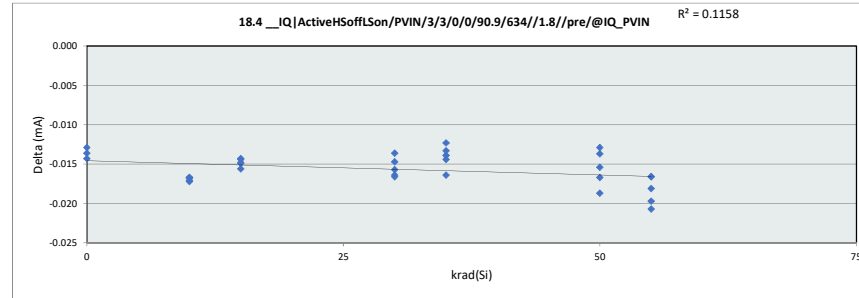
TID HDR Report

TPS7H4102-SEP

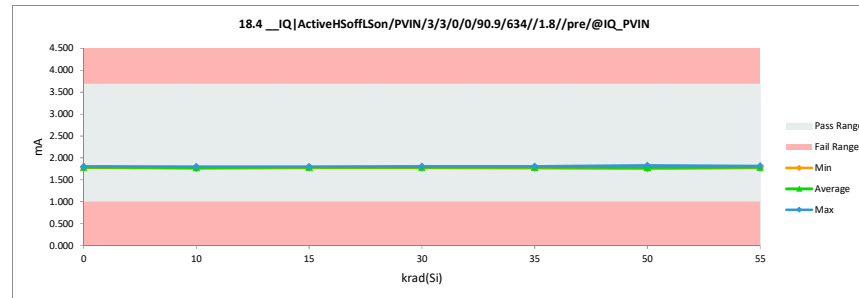
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

18.4 __IQ ActiveHSoftLson/PVIN/3/3/0/0/90.9/634//1.8//pre/@IQ_PVIN		
Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	3.7	3.682
Min Limit	0.4636	1

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.771	1.786	-0.014
0	98	1.765	1.779	-0.014
0	99	1.792	1.805	-0.013
10	1	1.784	1.801	-0.017
10	2	1.780	1.796	-0.017
10	3	1.743	1.760	-0.017
10	4	1.755	1.772	-0.017
10	5	1.750	1.767	-0.017
15	6	1.785	1.800	-0.015
15	7	1.760	1.775	-0.015
15	8	1.778	1.793	-0.014
15	9	1.771	1.786	-0.016
15	10	1.768	1.782	-0.014
30	11	1.776	1.791	-0.016
30	12	1.764	1.781	-0.017
30	13	1.789	1.806	-0.016
30	14	1.757	1.772	-0.015
30	15	1.778	1.792	-0.014
35	16	1.750	1.764	-0.014
35	17	1.791	1.808	-0.016
35	18	1.757	1.771	-0.014
35	19	1.764	1.778	-0.013
35	20	1.786	1.798	-0.012
50	21	1.754	1.767	-0.013
50	22	1.736	1.750	-0.014
50	23	1.753	1.770	-0.017
50	24	1.761	1.777	-0.015
50	25	1.806	1.825	-0.019
55	26	1.767	1.786	-0.020
55	27	1.794	1.815	-0.021
55	28	1.759	1.775	-0.017
55	29	1.754	1.770	-0.017
55	31	1.779	1.797	-0.018
Max		1.806	1.825	-0.012
Average		1.769	1.785	-0.016
Min		1.736	1.750	-0.021
Std Dev		0.016	0.017	0.002



18.4 __IQ ActiveHSoftLson/PVIN/3/3/0/0/90.9/634//1.8//pre/@IQ_PVIN							
Test Site							
Tester							
Test Number							
Max Limit	3.682						mA
Min Limit	1						mA
krad(Si)	0	10	15	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	1.779	1.760	1.775	1.772	1.764	1.750	1.771
Average	1.790	1.779	1.787	1.788	1.784	1.778	1.771
Max	1.805	1.801	1.800	1.806	1.808	1.825	1.815
UL	3.682	3.682	3.682	3.682	3.682	3.682	3.682

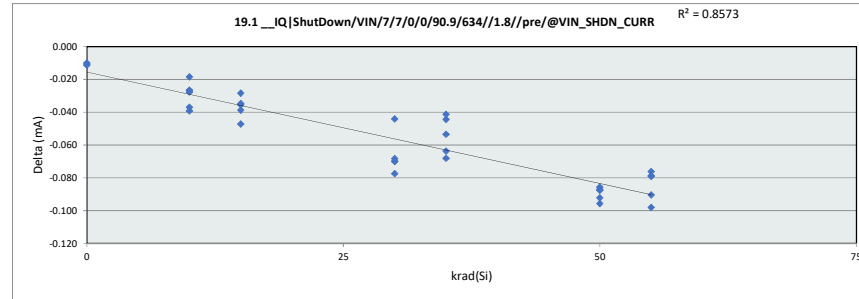


TID HDR Report

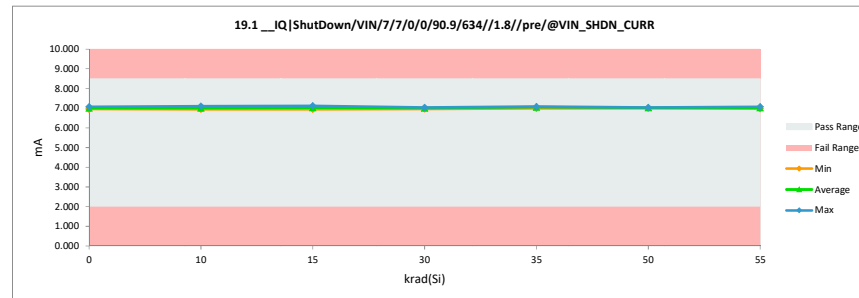
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

19.1 __IQ ShutDown/VIN/7/7/0/0/90.9/634				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		8.5	8.482	
Min Limit		0.7036	2	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.940	6.951	-0.011
0	98	7.057	7.068	-0.010
0	99	7.015	7.025	-0.011
10	1	6.926	6.952	-0.027
10	2	6.976	6.995	-0.019
10	3	7.009	7.048	-0.039
10	4	7.062	7.099	-0.037
10	5	6.957	6.985	-0.028
15	6	6.990	7.025	-0.036
15	7	6.978	7.026	-0.047
15	8	7.081	7.115	-0.035
15	9	6.963	6.991	-0.028
15	10	6.913	6.952	-0.039
30	11	6.894	6.962	-0.068
30	12	6.960	7.030	-0.070
30	13	6.969	7.039	-0.070
30	14	6.893	6.971	-0.077
30	15	6.986	7.031	-0.044
35	16	7.029	7.070	-0.041
35	17	7.023	7.068	-0.044
35	18	7.015	7.068	-0.054
35	19	6.921	6.989	-0.068
35	20	7.018	7.082	-0.064
50	21	6.927	7.023	-0.096
50	22	6.919	7.007	-0.088
50	23	6.904	6.991	-0.087
50	24	6.948	7.040	-0.092
50	25	6.954	7.039	-0.086
55	26	6.937	7.014	-0.076
55	27	6.932	7.011	-0.079
55	28	6.977	7.067	-0.090
55	29	6.874	6.972	-0.098
55	31	6.947	7.026	-0.079
Max		7.081	7.115	-0.010
Average		6.967	7.022	-0.056
Min		6.874	6.951	-0.098
Std Dev		0.052	0.043	0.027



19.1 __IQ ShutDown/VIN/7/7/0/0/90.9/634							
Test Site							
Tester							
Test Number							
Max Limit		8.482	mA				
Min Limit		2	mA				
krad(Si)	0	10	15	30	35	50	55
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	6.952	6.953	6.952	6.962	6.989	6.991	6.972
Average	7.015	7.016	7.022	7.007	7.055	7.020	7.018
Max	7.068	7.099	7.115	7.039	7.082	7.040	7.067
UL	8.482	8.482	8.482	8.482	8.482	8.482	8.482

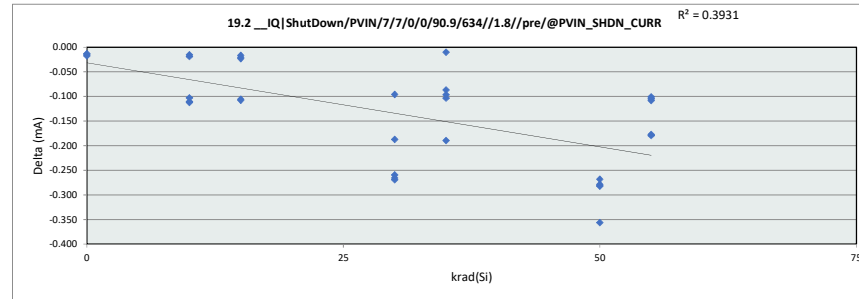


TID HDR Report

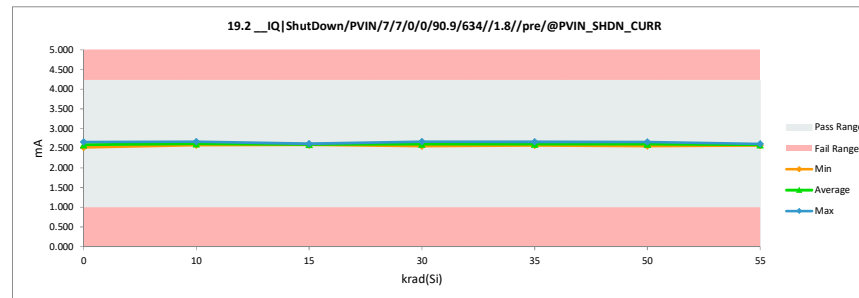
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

19.2 __IQ ShutDown/PVIN/7/7/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	4.3	4.216		
Min Limit	0.3568	1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.504	2.519	-0.016
0	98	2.647	2.660	-0.013
0	99	2.573	2.591	-0.018
10	1	2.572	2.592	-0.019
10	2	2.564	2.667	-0.103
10	3	2.536	2.647	-0.111
10	4	2.474	2.586	-0.112
10	5	2.565	2.580	-0.016
15	6	2.591	2.615	-0.023
15	7	2.562	2.582	-0.021
15	8	2.495	2.601	-0.106
15	9	2.566	2.582	-0.017
15	10	2.488	2.596	-0.108
30	11	2.410	2.597	-0.187
30	12	2.397	2.667	-0.269
30	13	2.341	2.607	-0.266
30	14	2.294	2.553	-0.260
30	15	2.493	2.589	-0.096
35	16	2.563	2.573	-0.010
35	17	2.424	2.614	-0.190
35	18	2.487	2.591	-0.103
35	19	2.486	2.582	-0.097
35	20	2.576	2.663	-0.087
50	21	2.298	2.579	-0.281
50	22	2.283	2.551	-0.268
50	23	2.300	2.657	-0.356
50	24	2.310	2.589	-0.278
50	25	2.355	2.638	-0.282
55	26	2.475	2.583	-0.108
55	27	2.428	2.608	-0.180
55	28	2.397	2.575	-0.177
55	29	2.469	2.573	-0.105
55	31	2.496	2.597	-0.101
Max		2.647	2.667	-0.010
Average		2.467	2.600	-0.133
Min		2.283	2.519	-0.356
Std Dev		0.101	0.035	0.101



19.2 __IQ ShutDown/PVIN/7							
Test Site							
Tester							
Test Number							
Max Limit	4.216	mA					
Min Limit	1	mA					
krad(Si)	0	10	15	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	2.519	2.580	2.582	2.553	2.573	2.551	2.574
Average	2.590	2.614	2.595	2.603	2.605	2.603	2.587
Max	2.660	2.667	2.615	2.667	2.663	2.657	2.608
UL	4.216	4.216	4.216	4.216	4.216	4.216	4.216

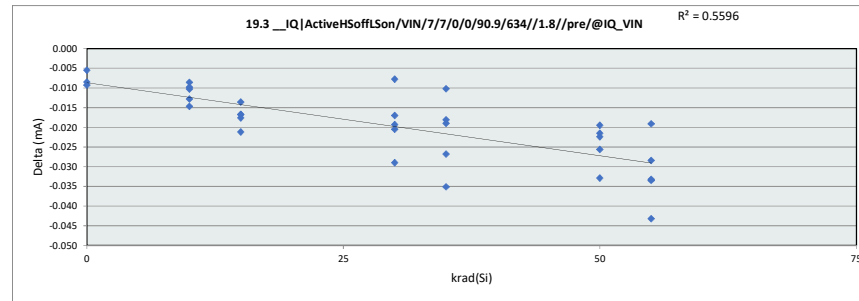


TID HDR Report

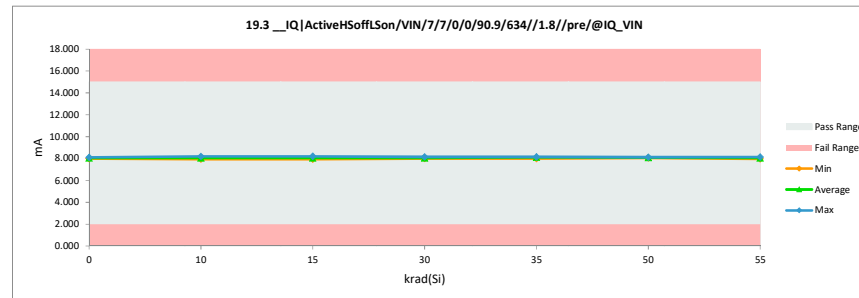
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

19.3 __IQ ActiveHSoftLson/VIN/7/7/0/0/90.9				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	15	14.988		
Min Limit	-0.5976	2		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	7.979	7.988	-0.009
0	98	8.102	8.112	-0.009
0	99	8.057	8.062	-0.005
10	1	7.932	7.947	-0.015
10	2	8.020	8.029	-0.009
10	3	8.078	8.088	-0.010
10	4	8.187	8.200	-0.013
10	5	8.004	8.014	-0.010
15	6	8.037	8.059	-0.021
15	7	8.010	8.027	-0.017
15	8	8.189	8.202	-0.014
15	9	8.002	8.020	-0.018
15	10	7.924	7.940	-0.017
30	11	7.996	8.003	-0.008
30	12	8.032	8.051	-0.019
30	13	8.022	8.039	-0.017
30	14	7.978	7.999	-0.020
30	15	8.116	8.145	-0.029
35	16	8.114	8.125	-0.010
35	17	8.134	8.153	-0.019
35	18	8.123	8.141	-0.018
35	19	7.958	7.985	-0.027
35	20	8.113	8.148	-0.035
50	21	8.018	8.051	-0.033
50	22	8.026	8.049	-0.022
50	23	8.036	8.057	-0.021
50	24	8.083	8.109	-0.026
50	25	8.109	8.128	-0.019
55	26	8.022	8.041	-0.019
55	27	8.001	8.029	-0.028
55	28	8.106	8.140	-0.034
55	29	7.933	7.976	-0.043
55	31	8.055	8.089	-0.033
Max		8.189	8.202	-0.005
Average		8.045	8.065	-0.020
Min		7.924	7.940	-0.043
Std Dev		0.069	0.069	0.009



19.3 __IQ ActiveHSoftLson/VIN/7/7/0/0/90.9/634//1.8//pre/@IQ_VIN							
Test Site							
Tester							
Test Number							
Max Limit	14.988	mA					
Min Limit	2	mA					
krad(Si)	0	10	15	30	35	50	55
LL	2.000	2.000	2.000	2.000	2.000	2.000	2.000
Min	7.988	7.947	7.940	7.999	7.985	8.049	7.976
Average	8.054	8.055	8.050	8.047	8.110	8.079	8.055
Max	8.112	8.200	8.202	8.145	8.153	8.129	8.140
UL	14.988	14.988	14.988	14.988	14.988	14.988	14.988

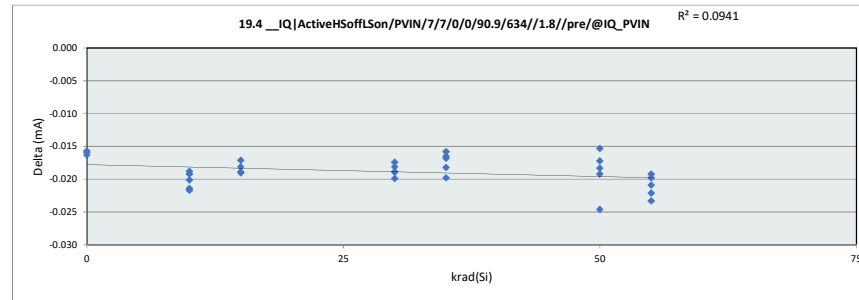


TID HDR Report

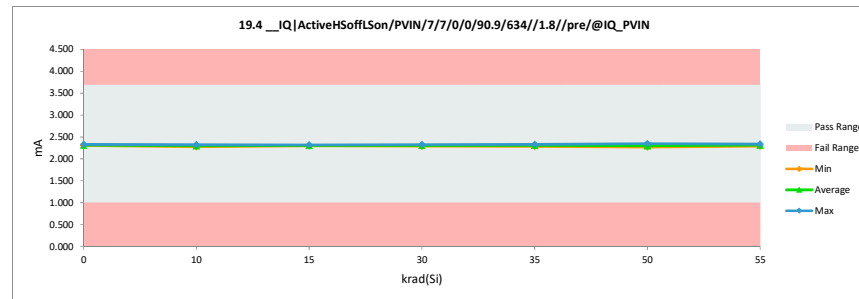
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

19.4 __IQ ActiveHSoftLson/PVIN/7/7/0/0/90.9/634//1.8//pre/@IQ_PVIN				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	3.7	3.682		
Min Limit	0.4636	1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.294	2.310	-0.016
0	98	2.287	2.303	-0.016
0	99	2.316	2.332	-0.016
10	1	2.305	2.324	-0.019
10	2	2.295	2.317	-0.022
10	3	2.259	2.280	-0.021
10	4	2.271	2.291	-0.020
10	5	2.264	2.283	-0.019
15	6	2.301	2.320	-0.019
15	7	2.278	2.297	-0.019
15	8	2.298	2.316	-0.018
15	9	2.290	2.309	-0.019
15	10	2.290	2.307	-0.017
30	11	2.296	2.315	-0.019
30	12	2.280	2.300	-0.020
30	13	2.307	2.326	-0.019
30	14	2.273	2.291	-0.018
30	15	2.299	2.317	-0.017
35	16	2.269	2.285	-0.017
35	17	2.312	2.332	-0.020
35	18	2.279	2.297	-0.018
35	19	2.284	2.301	-0.016
35	20	2.303	2.319	-0.016
50	21	2.270	2.285	-0.015
50	22	2.254	2.272	-0.017
50	23	2.275	2.294	-0.019
50	24	2.280	2.298	-0.018
50	25	2.325	2.350	-0.025
55	26	2.287	2.309	-0.022
55	27	2.316	2.339	-0.023
55	28	2.281	2.301	-0.019
55	29	2.273	2.292	-0.020
55	31	2.296	2.316	-0.021
Max		2.325	2.350	-0.015
Average		2.288	2.307	-0.019
Min		2.254	2.272	-0.025
Std Dev		0.017	0.018	0.002



19.4 __IQ ActiveHSoftLson/PVIN/7/7/0/0/90.9/634//1.8//pre/@IQ_PVIN							
Test Site							
Tester							
Test Number							
Max Limit	3.682	mA					
Min Limit	1	mA					
krad(Si)	0	10	15	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000	1.000	1.000
Min	2.303	2.280	2.297	2.291	2.285	2.272	2.292
Average	2.315	2.299	2.310	2.310	2.307	2.300	2.311
Max	2.332	2.324	2.320	2.326	2.332	2.350	2.339
UL	3.682	3.682	3.682	3.682	3.682	3.682	3.682



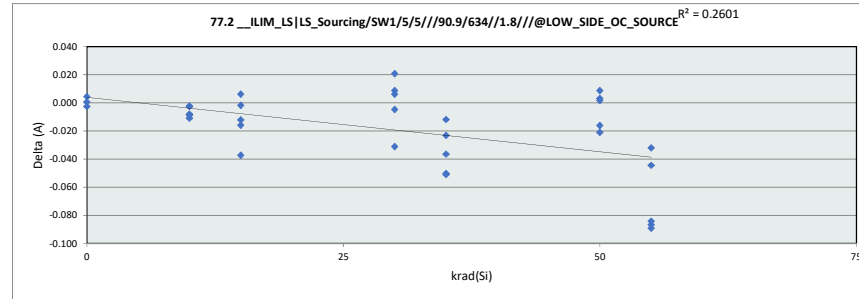
TID HDR Report

TPS7H4102-SEP

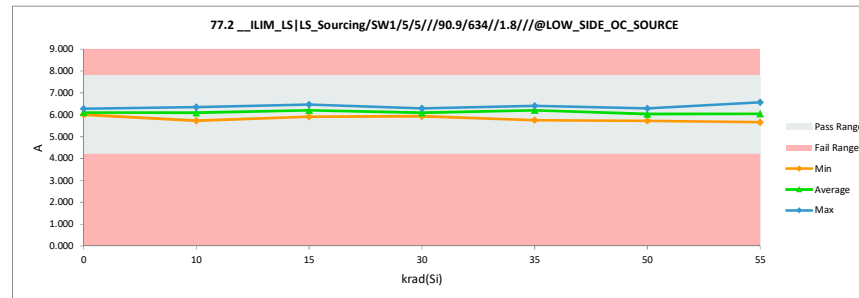
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

77.2 __ILIM_LS LS_Sourcing/SW1/5/5//90.9	
Test Site	
Tester	
Test Number	
Unit	A
Max Limit	7.8
Min Limit	4.2

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.018	6.017	0.001
0	98	6.003	6.006	-0.003
0	99	6.283	6.279	0.004
10	1	5.726	5.728	-0.002
10	2	6.006	6.008	-0.003
10	3	6.079	6.087	-0.008
10	4	6.337	6.348	-0.011
10	5	6.283	6.292	-0.009
15	6	6.254	6.270	-0.016
15	7	6.187	6.181	0.006
15	8	6.466	6.468	-0.002
15	9	6.144	6.181	-0.037
15	10	5.896	5.908	-0.012
30	11	5.901	5.933	-0.031
30	12	6.139	6.133	0.006
30	13	6.139	6.130	0.009
30	14	6.018	5.998	0.021
30	15	6.282	6.287	-0.005
35	16	6.382	6.405	-0.023
35	17	6.306	6.318	-0.012
35	18	6.116	6.153	-0.036
35	19	5.697	5.748	-0.051
35	20	6.331	6.381	-0.050
50	21	5.789	5.805	-0.016
50	22	5.697	5.718	-0.021
50	23	6.293	6.291	0.002
50	24	6.141	6.133	0.009
50	25	6.229	6.226	0.003
55	26	6.068	6.113	-0.044
55	27	5.626	5.658	-0.032
55	28	6.487	6.571	-0.084
55	29	5.651	5.737	-0.087
55	31	6.034	6.123	-0.089
Max		6.487	6.571	0.021
Average		6.091	6.110	-0.019
Min		5.626	5.658	-0.089
Std Dev		0.238	0.235	0.028



77.2		ILIM_LS LS_Sourcing/					
Test Site							
Tester							
Test Number							
Max Limit	7.792	A					
Min Limit	4.208	A					
krad(Si)	0	10	15	30	35	50	55
LL	4.208	4.208	4.208	4.208	4.208	4.208	4.208
Min	6.006	5.728	5.908	5.933	5.748	5.718	5.658
Average	6.101	6.093	6.202	6.096	6.201	6.035	6.040
Max	6.279	6.348	6.468	6.287	6.406	6.291	6.571
UL	7.792	7.792	7.792	7.792	7.792	7.792	7.792



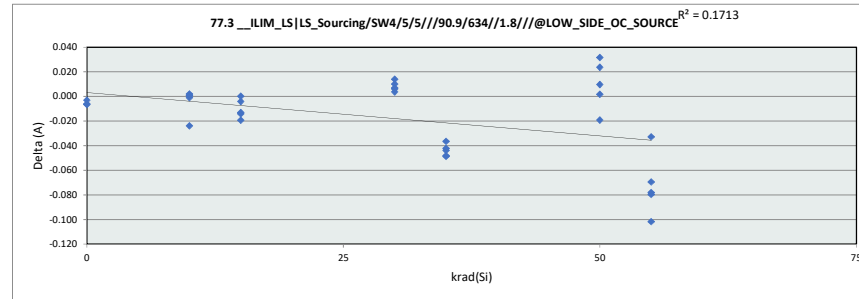
TID HDR Report

TPS7H4102-SEP

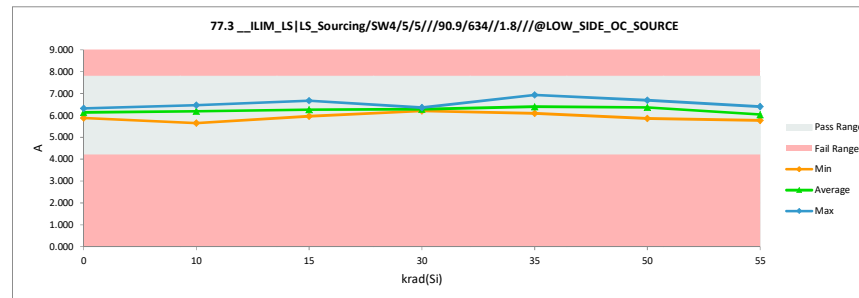
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

77.3 __ILIM_LS LS_Sourcing/SW4/5/5//90.9		
Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.210	6.216	-0.006
0	98	6.315	6.322	-0.007
0	99	5.878	5.881	-0.003
10	1	6.238	6.239	-0.001
10	2	6.172	6.171	0.001
10	3	6.465	6.464	0.001
10	4	6.406	6.404	0.002
10	5	5.625	5.649	-0.024
15	6	6.425	6.445	-0.019
15	7	5.950	5.964	-0.014
15	8	6.670	6.674	-0.004
15	9	6.105	6.118	-0.013
15	10	6.100	6.100	0.000
30	11	6.341	6.334	0.007
30	12	6.206	6.202	0.004
30	13	6.310	6.300	0.010
30	14	6.233	6.227	0.006
30	15	6.368	6.354	0.014
35	16	6.247	6.290	-0.042
35	17	6.155	6.192	-0.036
35	18	6.889	6.937	-0.048
35	19	6.046	6.094	-0.049
35	20	6.440	6.484	-0.044
50	21	5.863	5.861	0.002
50	22	6.310	6.300	0.010
50	23	6.510	6.487	0.024
50	24	6.500	6.469	0.032
50	25	6.676	6.695	-0.019
55	26	5.693	5.771	-0.078
55	27	5.725	5.805	-0.080
55	28	6.328	6.397	-0.069
55	29	5.899	5.931	-0.033
55	31	6.185	6.287	-0.102
Max		6.889	6.937	0.032
Average		6.227	6.244	-0.018
Min		5.625	5.649	-0.102
Std Dev		0.287	0.280	0.032



77.3		ILIM_LS LS_Sourcing/					
Test Site							
Tester							
Test Number							
Max Limit	7.792	A					
Min Limit	4.208	A					
krad(Si)	0	10	15	30	35	50	55
LL	4.208	4.208	4.208	4.208	4.208	4.208	4.208
Min	5.881	5.649	5.964	6.202	6.094	5.861	5.771
Average	6.140	6.185	6.260	6.283	6.399	6.362	6.038
Max	6.322	6.464	6.674	6.354	6.937	6.695	6.397
UL	7.792	7.792	7.792	7.792	7.792	7.792	7.792

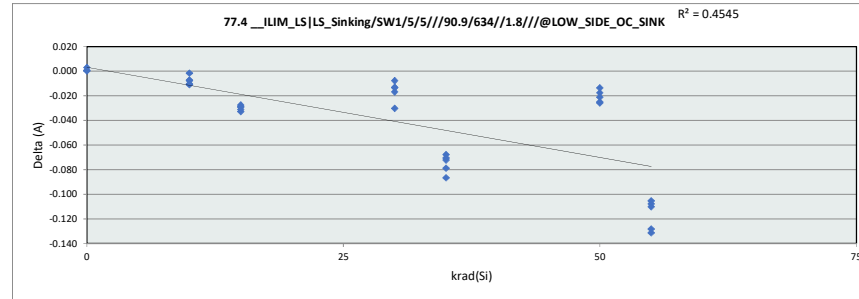


TID HDR Report

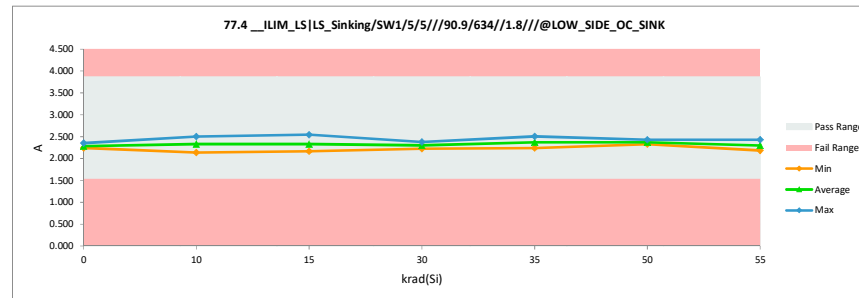
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

77.4 __ILIM_LS LS_Sinking/SW1/5/5///90.9				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.254	2.251	0.003
0	98	2.241	2.241	0.000
0	99	2.353	2.353	0.001
10	1	2.124	2.135	-0.011
10	2	2.312	2.313	-0.002
10	3	2.353	2.360	-0.007
10	4	2.491	2.501	-0.010
10	5	2.342	2.350	-0.008
15	6	2.249	2.277	-0.028
15	7	2.370	2.403	-0.033
15	8	2.515	2.544	-0.029
15	9	2.237	2.268	-0.031
15	10	2.135	2.164	-0.029
30	11	2.211	2.224	-0.013
30	12	2.363	2.376	-0.013
30	13	2.233	2.250	-0.017
30	14	2.256	2.286	-0.030
30	15	2.351	2.359	-0.008
35	16	2.434	2.504	-0.071
35	17	2.297	2.365	-0.068
35	18	2.177	2.256	-0.079
35	19	2.167	2.239	-0.072
35	20	2.396	2.482	-0.087
50	21	2.309	2.327	-0.018
50	22	2.329	2.355	-0.026
50	23	2.402	2.427	-0.025
50	24	2.359	2.372	-0.014
50	25	2.340	2.361	-0.021
55	26	2.138	2.246	-0.108
55	27	2.148	2.254	-0.105
55	28	2.296	2.427	-0.131
55	29	2.075	2.185	-0.110
55	31	2.247	2.376	-0.128
Max		2.515	2.544	0.003
Average		2.288	2.328	-0.040
Min		2.075	2.135	-0.131
Std Dev		0.106	0.100	0.040



77.4 __ILIM_LS LS_Sinking/S							
Test Site							
Tester							
Test Number							
Max Limit	3.867		A				
Min Limit	1.533		A				
krad(Si)	0	10	15	30	35	50	55
LL	1.533	1.533	1.533	1.533	1.533	1.533	1.533
Min	2.241	2.135	2.164	2.224	2.239	2.327	2.185
Average	2.282	2.332	2.331	2.299	2.369	2.369	2.298
Max	2.353	2.501	2.544	2.376	2.504	2.427	2.427
UL	3.867	3.867	3.867	3.867	3.867	3.867	3.867

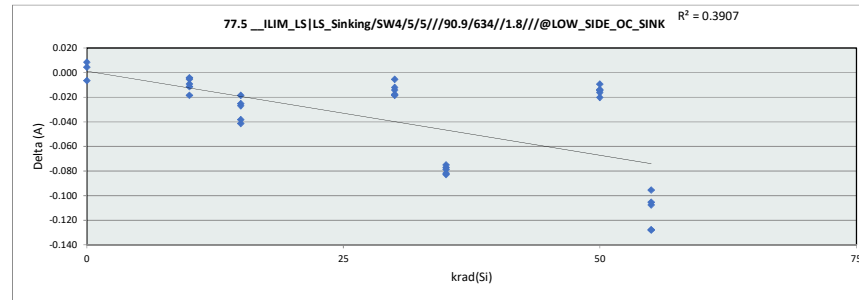


TID HDR Report

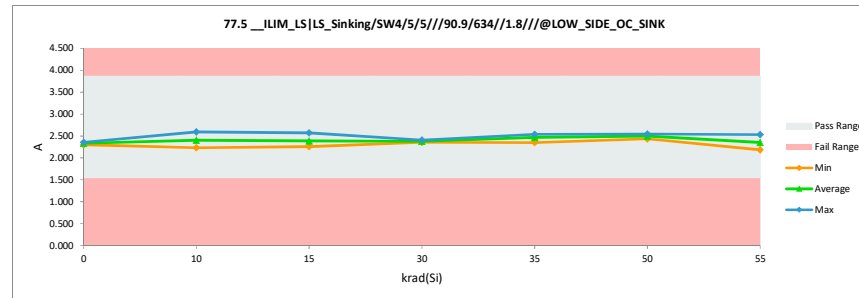
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

77.5 __ILIM_LS LS_Sinking/SW4/5/5///90.9				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.350	2.345	0.005
0	98	2.309	2.301	0.008
0	99	2.348	2.354	-0.007
10	1	2.226	2.231	-0.005
10	2	2.346	2.351	-0.004
10	3	2.419	2.438	-0.019
10	4	2.583	2.592	-0.009
10	5	2.398	2.409	-0.011
15	6	2.300	2.341	-0.041
15	7	2.368	2.393	-0.025
15	8	2.546	2.573	-0.027
15	9	2.338	2.376	-0.038
15	10	2.238	2.257	-0.018
30	11	2.365	2.379	-0.014
30	12	2.355	2.360	-0.005
30	13	2.388	2.406	-0.018
30	14	2.369	2.381	-0.012
30	15	2.339	2.357	-0.018
35	16	2.437	2.514	-0.077
35	17	2.334	2.409	-0.075
35	18	2.454	2.533	-0.079
35	19	2.267	2.350	-0.083
35	20	2.455	2.537	-0.082
50	21	2.483	2.499	-0.016
50	22	2.424	2.434	-0.009
50	23	2.532	2.545	-0.014
50	24	2.514	2.534	-0.020
50	25	2.462	2.476	-0.015
55	26	2.076	2.183	-0.108
55	27	2.184	2.289	-0.105
55	28	2.392	2.520	-0.128
55	29	2.133	2.229	-0.095
55	31	2.404	2.532	-0.128
Max		2.583	2.592	0.008
Average		2.368	2.407	-0.039
Min		2.076	2.183	-0.128
Std Dev		0.113	0.107	0.041



77.5 __ILIM_LS LS_Sinking/S							
Test Site							
Tester							
Test Number							
Max Limit	3.867		A				
Min Limit	1.533		A				
krad(Si)	0	10	15	30	35	50	55
LL	1.533	1.533	1.533	1.533	1.533	1.533	1.533
Min	2.301	2.232	2.257	2.357	2.350	2.434	2.183
Average	2.333	2.404	2.388	2.377	2.469	2.498	2.350
Max	2.354	2.592	2.573	2.406	2.537	2.545	2.532
UL	3.867	3.867	3.867	3.867	3.867	3.867	3.867

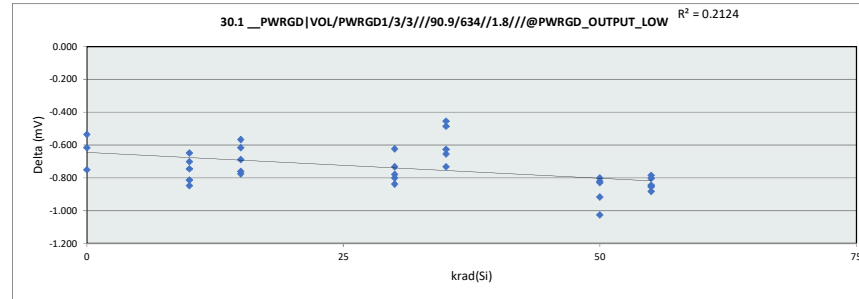


TID HDR Report

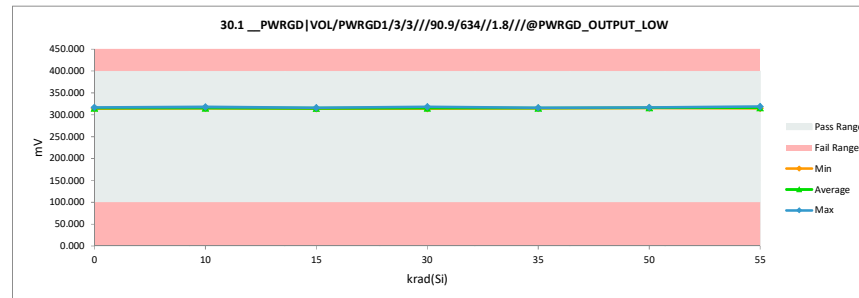
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.1 __PWRGD VOL/PWRGD1/3/3///90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	313.645	314.262	-0.617
0	98	314.226	314.977	-0.751
0	99	316.231	316.767	-0.536
10	1	314.710	315.524	-0.814
10	2	317.206	317.854	-0.648
10	3	314.507	315.355	-0.848
10	4	313.992	314.693	-0.701
10	5	314.548	315.293	-0.745
15	6	314.535	315.296	-0.760
15	7	315.297	315.914	-0.617
15	8	313.361	314.137	-0.776
15	9	314.698	315.387	-0.689
15	10	313.246	313.812	-0.567
30	11	313.224	314.003	-0.779
30	12	313.695	314.534	-0.838
30	13	315.016	315.818	-0.801
30	14	317.649	318.273	-0.624
30	15	314.948	315.680	-0.732
35	16	314.866	315.352	-0.486
35	17	314.201	314.934	-0.732
35	18	313.961	314.587	-0.626
35	19	314.695	315.349	-0.654
35	20	315.666	316.121	-0.455
50	21	315.241	316.071	-0.829
50	22	315.026	315.846	-0.820
50	23	315.922	316.839	-0.917
50	24	314.407	315.208	-0.801
50	25	314.217	315.243	-1.026
55	26	315.332	316.117	-0.786
55	27	317.762	318.645	-0.883
55	28	314.017	314.821	-0.804
55	29	315.057	315.911	-0.854
55	31	314.267	315.112	-0.845
Max		317.762	318.645	-0.455
Average		314.829	315.568	-0.738
Min		313.224	313.812	-1.026
Std Dev		1.130	1.125	0.126



30.1 __PWRGD VOL/PWRGD1							
Test Site							
Tester							
Test Number							
Max Limit	399		mV				
Min Limit	100		mV				
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	314.262	314.693	313.812	314.003	314.587	315.208	314.821
Average	315.335	315.744	314.909	315.661	315.268	315.841	316.121
Max	316.767	317.854	315.914	318.273	316.121	316.839	318.645
UL	399.000	399.000	399.000	399.000	399.000	399.000	399.000

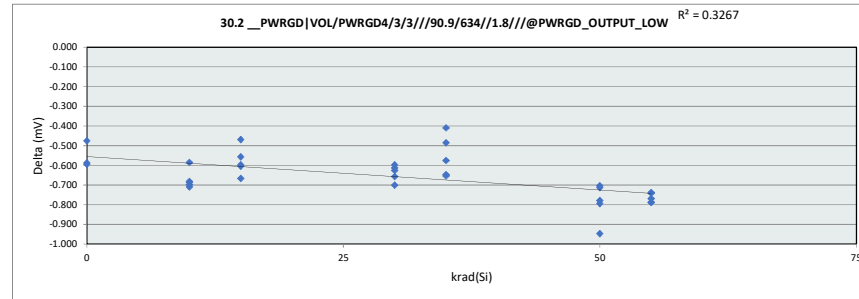


TID HDR Report

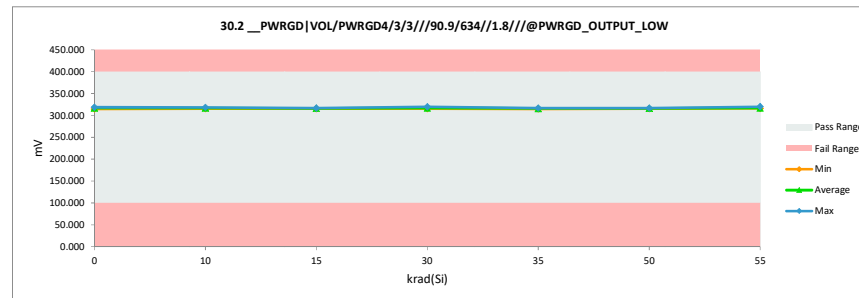
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.2 __PWRGD VOL/PWRGD4/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	313.823	314.410	-0.588
0	98	316.227	316.821	-0.594
0	99	317.991	318.467	-0.476
10	1	316.854	317.552	-0.698
10	2	317.629	318.214	-0.585
10	3	315.324	316.009	-0.685
10	4	314.578	315.288	-0.710
10	5	315.515	316.197	-0.682
15	6	315.318	315.984	-0.666
15	7	316.236	316.793	-0.557
15	8	314.959	315.563	-0.604
15	9	315.156	315.753	-0.597
15	10	314.837	315.307	-0.469
30	11	314.878	315.535	-0.657
30	12	315.296	315.922	-0.626
30	13	316.352	317.052	-0.701
30	14	318.925	319.523	-0.598
30	15	316.630	317.243	-0.613
35	16	316.230	316.640	-0.410
35	17	314.266	314.913	-0.647
35	18	314.294	314.870	-0.576
35	19	315.040	315.694	-0.654
35	20	316.136	316.621	-0.485
50	21	314.397	315.191	-0.794
50	22	316.115	316.828	-0.713
50	23	316.174	316.878	-0.704
50	24	314.866	315.644	-0.779
50	25	314.254	315.201	-0.947
55	26	315.605	316.393	-0.788
55	27	319.112	319.854	-0.742
55	28	315.075	315.844	-0.769
55	29	316.052	316.840	-0.788
55	31	315.396	316.134	-0.738
Max		319.112	319.854	-0.410
Average		315.744	316.399	-0.656
Min		313.823	314.410	-0.947
Std Dev		1.276	1.256	0.111



30.2 __PWRGD VOL/PWRGD4							
Test Site							
Tester							
Test Number							
Max Limit	399		mV				
Min Limit	100		mV				
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	314.411	315.288	315.307	315.535	314.870	315.191	315.844
Average	316.566	316.652	315.880	317.055	315.748	315.948	317.013
Max	318.467	318.214	316.793	319.523	316.640	316.878	319.854
UL	399.000	399.000	399.000	399.000	399.000	399.000	399.000

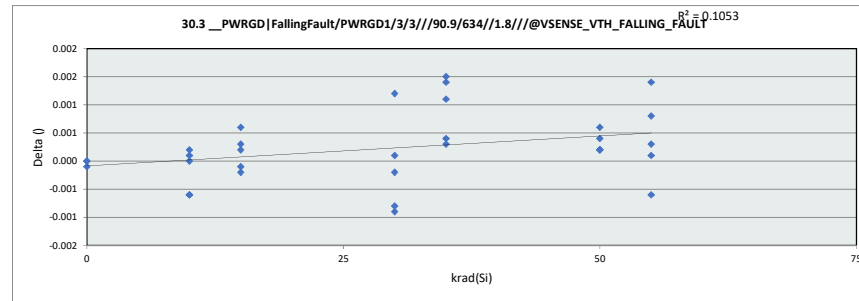


TID HDR Report

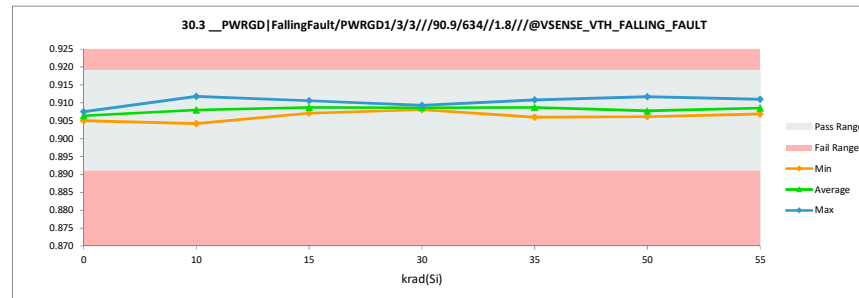
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.3 __PWRGD FallingFault/PWRGD1/3/3//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.905	0.905	0.000
0	98	0.908	0.908	0.000
0	99	0.906	0.907	0.000
10	1	0.907	0.908	-0.001
10	2	0.904	0.904	-0.001
10	3	0.908	0.908	0.000
10	4	0.909	0.909	0.000
10	5	0.912	0.912	0.000
15	6	0.907	0.907	0.000
15	7	0.908	0.908	0.000
15	8	0.910	0.910	0.001
15	9	0.908	0.908	0.000
15	10	0.911	0.911	0.000
30	11	0.908	0.909	-0.001
30	12	0.910	0.909	0.001
30	13	0.908	0.908	0.000
30	14	0.908	0.908	0.000
30	15	0.908	0.909	-0.001
35	16	0.911	0.910	0.002
35	17	0.910	0.908	0.001
35	18	0.911	0.911	0.000
35	19	0.906	0.906	0.000
35	20	0.910	0.909	0.001
50	21	0.908	0.907	0.001
50	22	0.912	0.912	0.000
50	23	0.907	0.907	0.000
50	24	0.906	0.906	0.000
50	25	0.907	0.907	0.000
55	26	0.908	0.908	0.000
55	27	0.909	0.908	0.001
55	28	0.908	0.909	-0.001
55	29	0.908	0.907	0.001
55	31	0.911	0.911	0.000
Max		0.912	0.912	0.002
Average		0.908	0.908	0.000
Min		0.904	0.904	-0.001
Std Dev		0.002	0.002	0.001



30.3 __PWRGD FallingFault/P							
Test Site							
Tester							
Test Number							
Max Limit	0.919						
Min Limit	0.891						
krad(Si)	0	10	15	30	35	50	55
LL	0.891	0.891	0.891	0.891	0.891	0.891	0.891
Min	0.905	0.904	0.907	0.908	0.906	0.906	0.907
Average	0.906	0.908	0.909	0.909	0.909	0.908	0.909
Max	0.908	0.912	0.911	0.909	0.911	0.912	0.911
UL	0.919	0.919	0.919	0.919	0.919	0.919	0.919

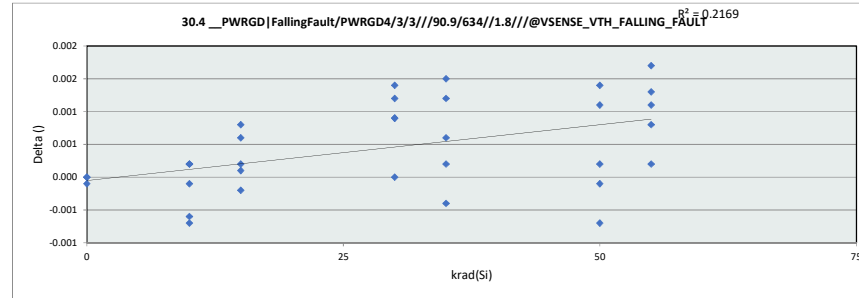


TID HDR Report

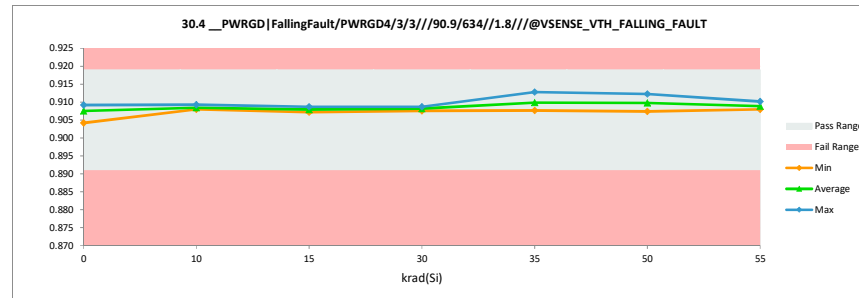
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.4 __PWRGD FallingFault/PWRGD4/3/3//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.904	0.904	0.000
0	98	0.909	0.909	0.000
0	99	0.909	0.909	0.000
10	1	0.908	0.908	0.000
10	2	0.908	0.908	-0.001
10	3	0.908	0.908	0.000
10	4	0.908	0.908	-0.001
10	5	0.910	0.909	0.000
15	6	0.909	0.909	0.000
15	7	0.907	0.907	0.000
15	8	0.908	0.908	0.001
15	9	0.909	0.908	0.001
15	10	0.908	0.908	0.000
30	11	0.909	0.909	0.000
30	12	0.910	0.908	0.001
30	13	0.910	0.908	0.001
30	14	0.909	0.908	0.001
30	15	0.909	0.908	0.001
35	16	0.913	0.911	0.002
35	17	0.908	0.908	0.001
35	18	0.910	0.909	0.001
35	19	0.909	0.909	0.000
35	20	0.913	0.913	0.000
50	21	0.910	0.910	0.000
50	22	0.910	0.909	0.001
50	23	0.912	0.912	-0.001
50	24	0.911	0.910	0.000
50	25	0.909	0.907	0.001
55	26	0.911	0.910	0.001
55	27	0.909	0.909	0.001
55	28	0.910	0.910	0.000
55	29	0.909	0.908	0.001
55	31	0.910	0.908	0.002
Max		0.913	0.913	0.002
Average		0.909	0.909	0.000
Min		0.904	0.904	-0.001
Std Dev		0.002	0.002	0.001



30.4 __PWRGD FallingFault/P							
Test Site							
Tester							
Test Number							
Max Limit	0.919						
Min Limit	0.891						
krad(Si)	0	10	15	30	35	50	55
LL	0.891	0.891	0.891	0.891	0.891	0.891	0.891
Min	0.904	0.908	0.907	0.908	0.908	0.907	0.908
Average	0.908	0.908	0.908	0.908	0.910	0.910	0.909
Max	0.909	0.909	0.909	0.909	0.913	0.912	0.910
UL	0.919	0.919	0.919	0.919	0.919	0.919	0.919

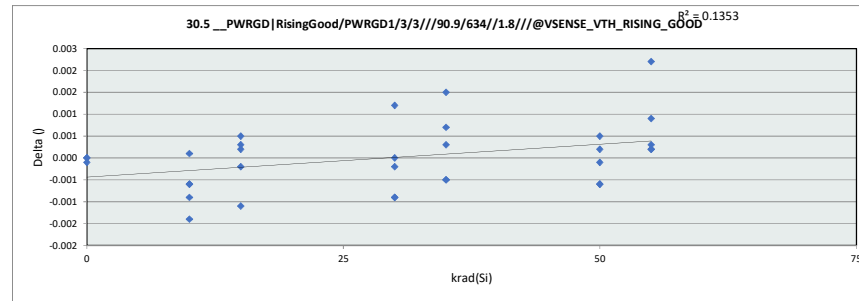


TID HDR Report

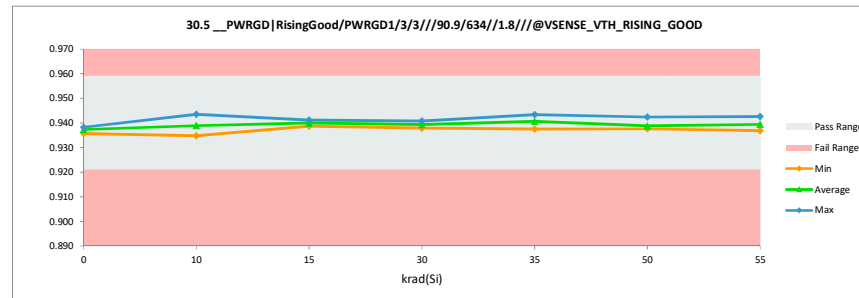
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.5 __PWRGD RisingGood/PWRGD1/3/3//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.936	0.936	0.000
0	98	0.938	0.938	0.000
0	99	0.938	0.938	0.000
10	1	0.938	0.939	-0.001
10	2	0.933	0.935	-0.001
10	3	0.938	0.939	-0.001
10	4	0.938	0.939	-0.001
10	5	0.944	0.943	0.000
15	6	0.939	0.939	0.000
15	7	0.939	0.939	0.000
15	8	0.942	0.941	0.000
15	9	0.939	0.941	-0.001
15	10	0.941	0.941	0.000
30	11	0.940	0.941	-0.001
30	12	0.942	0.941	0.001
30	13	0.938	0.938	0.000
30	14	0.938	0.939	-0.001
30	15	0.939	0.939	0.000
35	16	0.942	0.941	0.001
35	17	0.942	0.941	0.002
35	18	0.943	0.943	-0.001
35	19	0.937	0.938	-0.001
35	20	0.941	0.940	0.000
50	21	0.938	0.938	0.000
50	22	0.943	0.942	0.001
50	23	0.938	0.938	-0.001
50	24	0.937	0.938	-0.001
50	25	0.938	0.938	0.000
55	26	0.939	0.939	0.000
55	27	0.940	0.939	0.001
55	28	0.940	0.940	0.000
55	29	0.939	0.937	0.002
55	31	0.943	0.943	0.000
Max		0.944	0.943	0.002
Average		0.939	0.939	0.000
Min		0.933	0.935	-0.001
Std Dev		0.002	0.002	0.001



30.5 __PWRGD RisingGood/PWRGD1/3/3//90.9/634//1.8///@VSENSE_VTH_RISING_GOOD							
Test Site							
Tester							
Test Number							
Max Limit	0.959						
Min Limit	0.921						
krad(Si)	0	10	15	30	35	50	55
LL	0.921	0.921	0.921	0.921	0.921	0.921	0.921
Min	0.936	0.935	0.939	0.938	0.938	0.938	0.937
Average	0.937	0.939	0.940	0.939	0.941	0.939	0.939
Max	0.938	0.944	0.941	0.941	0.943	0.942	0.943
UL	0.959	0.959	0.959	0.959	0.959	0.959	0.959

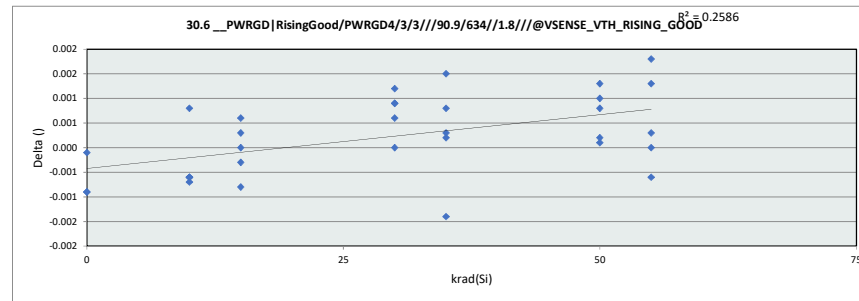


TID HDR Report

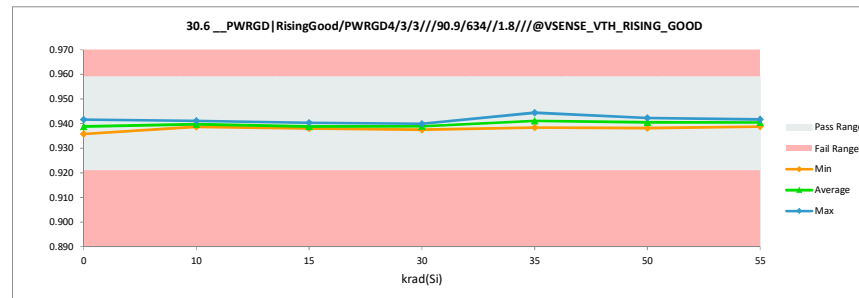
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.6 __PWRGD RisingGood/PWRGD4/3/3//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.936	0.936	0.000
0	98	0.938	0.939	-0.001
0	99	0.941	0.942	-0.001
10	1	0.938	0.939	-0.001
10	2	0.938	0.939	-0.001
10	3	0.941	0.940	0.001
10	4	0.939	0.940	-0.001
10	5	0.940	0.941	-0.001
15	6	0.939	0.940	-0.001
15	7	0.939	0.939	0.000
15	8	0.939	0.938	0.001
15	9	0.939	0.939	0.000
15	10	0.938	0.938	0.000
30	11	0.939	0.939	0.000
30	12	0.939	0.938	0.001
30	13	0.940	0.940	0.001
30	14	0.939	0.938	0.001
30	15	0.941	0.940	0.001
35	16	0.945	0.944	0.001
35	17	0.940	0.938	0.002
35	18	0.941	0.940	0.000
35	19	0.938	0.939	-0.001
35	20	0.944	0.943	0.000
50	21	0.941	0.940	0.001
50	22	0.942	0.941	0.001
50	23	0.942	0.942	0.000
50	24	0.942	0.941	0.001
50	25	0.938	0.938	0.000
55	26	0.941	0.941	0.000
55	27	0.941	0.941	0.000
55	28	0.941	0.942	-0.001
55	29	0.940	0.939	0.001
55	31	0.942	0.940	0.002
Max		0.945	0.944	0.002
Average		0.940	0.940	0.000
Min		0.936	0.936	-0.001
Std Dev		0.002	0.002	0.001



30.6 __PWRGD RisingGood/PWRGD4/3/3//90.9/634//1.8///@VSENSE_VTH_RISING_GOOD							
Test Site							
Tester							
Test Number							
Max Limit	0.959						
Min Limit	0.921						
krad(Si)	0	10	15	30	35	50	55
LL	0.921	0.921	0.921	0.921	0.921	0.921	0.921
Min	0.936	0.939	0.938	0.938	0.938	0.938	0.939
Average	0.939	0.940	0.939	0.939	0.941	0.941	0.940
Max	0.942	0.941	0.940	0.940	0.944	0.942	0.942
UL	0.959	0.959	0.959	0.959	0.959	0.959	0.959

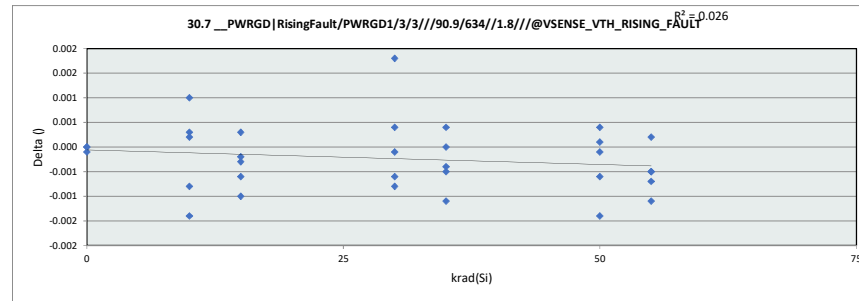


TID HDR Report

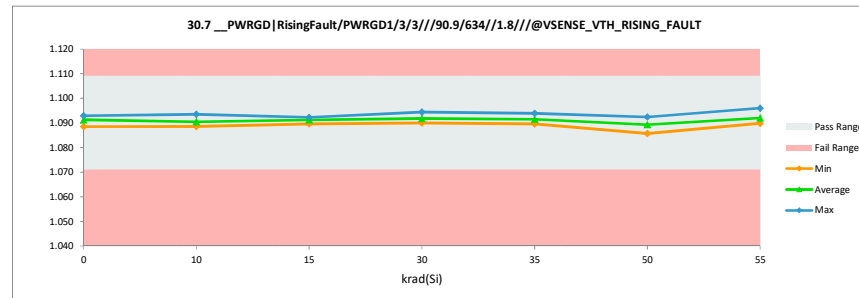
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.7 __PWRGD RisingFault/PWRGD1/3/3//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.093	1.093	0.000
0	98	1.089	1.089	0.000
0	99	1.092	1.092	0.000
10	1	1.089	1.089	0.000
10	2	1.090	1.092	-0.001
10	3	1.088	1.089	-0.001
10	4	1.094	1.094	0.000
10	5	1.090	1.089	0.001
15	6	1.091	1.092	-0.001
15	7	1.091	1.091	0.000
15	8	1.092	1.092	0.000
15	9	1.089	1.090	-0.001
15	10	1.092	1.091	0.000
30	11	1.092	1.090	0.002
30	12	1.095	1.094	0.000
30	13	1.092	1.092	0.000
30	14	1.090	1.091	-0.001
30	15	1.091	1.092	-0.001
35	16	1.092	1.092	0.000
35	17	1.093	1.094	-0.001
35	18	1.092	1.092	0.000
35	19	1.090	1.090	0.000
35	20	1.089	1.090	0.000
50	21	1.092	1.092	-0.001
50	22	1.091	1.091	0.000
50	23	1.087	1.087	0.000
50	24	1.091	1.090	0.000
50	25	1.084	1.086	-0.001
55	26	1.095	1.096	0.000
55	27	1.090	1.090	-0.001
55	28	1.090	1.090	0.000
55	29	1.093	1.094	-0.001
55	31	1.089	1.090	0.000
Max		1.095	1.096	0.002
Average		1.091	1.091	0.000
Min		1.084	1.086	-0.001
Std Dev		0.002	0.002	0.001



30.7 __PWRGD RisingFault/PWRGD1/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_FAULT							
Test Site							
Tester							
Test Number							
Max Limit	1.109						
Min Limit	1.071						
krad(Si)	0	10	15	30	35	50	55
LL	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Min	1.089	1.089	1.090	1.090	1.090	1.086	1.090
Average	1.091	1.090	1.091	1.092	1.092	1.089	1.092
Max	1.093	1.094	1.092	1.094	1.094	1.092	1.096
UL	1.109	1.109	1.109	1.109	1.109	1.109	1.109

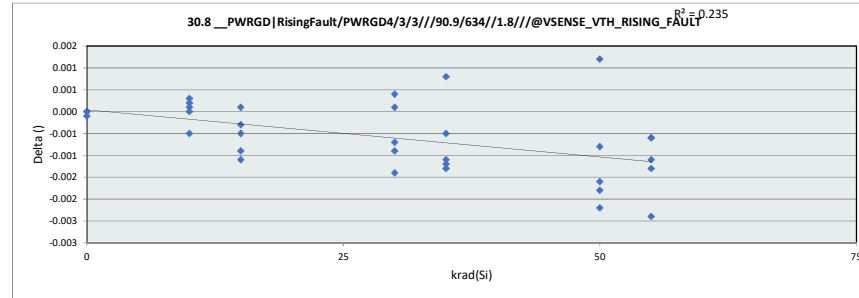


TID HDR Report

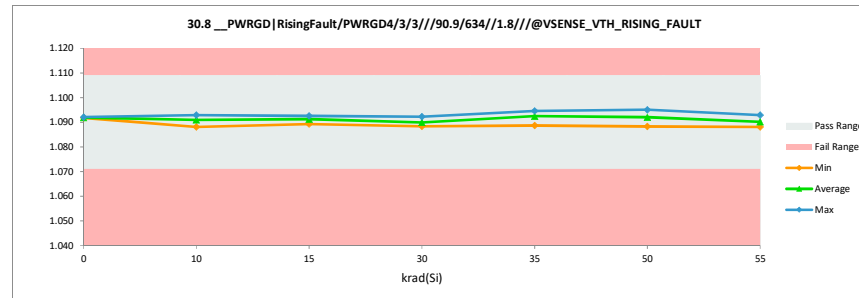
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.8 __PWRGD RisingFault/PWRGD4/3/3//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.092	1.092	0.000
0	98	1.092	1.092	0.000
0	99	1.092	1.092	0.000
10	1	1.092	1.092	0.000
10	2	1.092	1.093	-0.001
10	3	1.090	1.090	0.000
10	4	1.088	1.088	0.000
10	5	1.093	1.092	0.000
15	6	1.089	1.089	0.000
15	7	1.092	1.093	0.000
15	8	1.091	1.092	-0.001
15	9	1.091	1.092	-0.001
15	10	1.091	1.091	-0.001
30	11	1.092	1.092	0.000
30	12	1.091	1.091	0.000
30	13	1.088	1.089	-0.001
30	14	1.088	1.089	-0.001
30	15	1.088	1.088	-0.001
35	16	1.095	1.094	0.001
35	17	1.090	1.091	-0.001
35	18	1.092	1.094	-0.001
35	19	1.093	1.095	-0.001
35	20	1.088	1.089	-0.001
50	21	1.094	1.095	-0.002
50	22	1.090	1.092	-0.002
50	23	1.090	1.093	-0.002
50	24	1.092	1.093	-0.001
50	25	1.089	1.088	0.001
55	26	1.089	1.090	-0.001
55	27	1.086	1.088	-0.002
55	28	1.090	1.090	-0.001
55	29	1.088	1.089	-0.001
55	31	1.092	1.093	-0.001
Max		1.095	1.095	0.001
Average		1.091	1.091	-0.001
Min		1.086	1.088	-0.002
Std Dev		0.002	0.002	0.001



30.8 __PWRGD RisingFault/PWRGD4/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_FAULT							
Test Site							
Tester							
Test Number							
Max Limit	1.109						
Min Limit	1.071						
krad(Si)	0	10	15	30	35	50	55
LL	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Min	1.092	1.088	1.089	1.088	1.089	1.088	1.088
Average	1.092	1.091	1.091	1.090	1.093	1.092	1.090
Max	1.092	1.093	1.093	1.092	1.095	1.095	1.093
UL	1.109	1.109	1.109	1.109	1.109	1.109	1.109

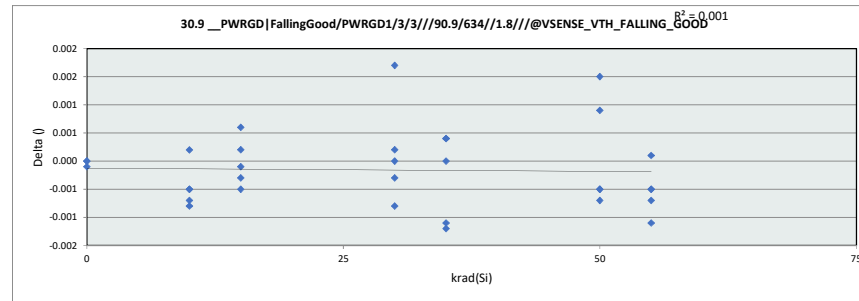


TID HDR Report

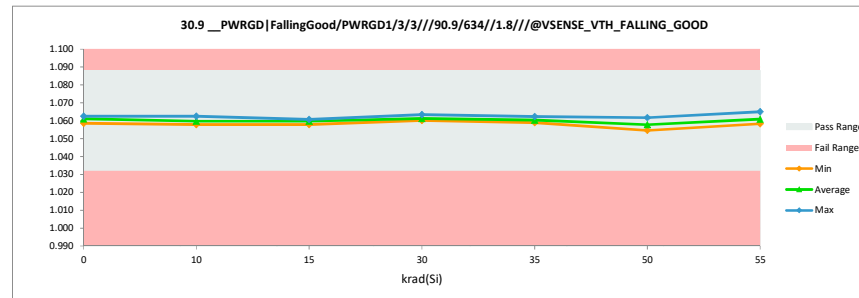
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.9 __PWRGD FallingGood/PWRGD1/3/3///9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.062	1.062	0.000
0	98	1.059	1.059	0.000
0	99	1.063	1.063	0.000
10	1	1.058	1.059	0.000
10	2	1.061	1.061	0.000
10	3	1.057	1.058	-0.001
10	4	1.062	1.063	-0.001
10	5	1.059	1.058	0.000
15	6	1.060	1.060	0.000
15	7	1.061	1.060	0.001
15	8	1.060	1.061	0.000
15	9	1.058	1.058	0.000
15	10	1.059	1.060	0.000
30	11	1.062	1.060	0.002
30	12	1.063	1.063	0.000
30	13	1.061	1.062	-0.001
30	14	1.060	1.060	0.000
30	15	1.061	1.061	0.000
35	16	1.060	1.060	0.000
35	17	1.061	1.062	-0.001
35	18	1.061	1.061	0.000
35	19	1.058	1.059	-0.001
35	20	1.059	1.059	0.000
50	21	1.061	1.062	-0.001
50	22	1.059	1.058	0.001
50	23	1.055	1.055	0.000
50	24	1.061	1.060	0.001
50	25	1.054	1.055	0.000
55	26	1.064	1.065	-0.001
55	27	1.059	1.059	0.000
55	28	1.058	1.059	0.000
55	29	1.063	1.064	-0.001
55	31	1.058	1.058	-0.001
Max		1.064	1.065	0.002
Average		1.060	1.060	0.000
Min		1.054	1.055	-0.001
Std Dev		0.002	0.002	0.001



30.9 __PWRGD FallingGood/P							
Test Site							
Tester							
Test Number							
Max Limit	1.088						
Min Limit	1.032						
krad(Si)	0	10	15	30	35	50	55
LL	1.032	1.032	1.032	1.032	1.032	1.032	1.032
Min	1.059	1.058	1.058	1.060	1.059	1.055	1.058
Average	1.061	1.060	1.060	1.061	1.060	1.058	1.061
Max	1.063	1.063	1.061	1.063	1.062	1.062	1.065
UL	1.088	1.088	1.088	1.088	1.088	1.088	1.088

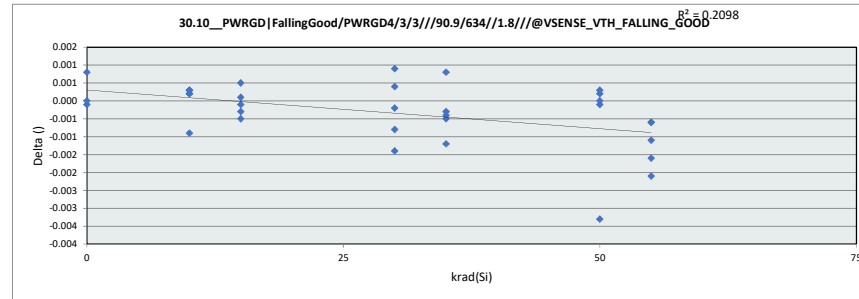


TID HDR Report

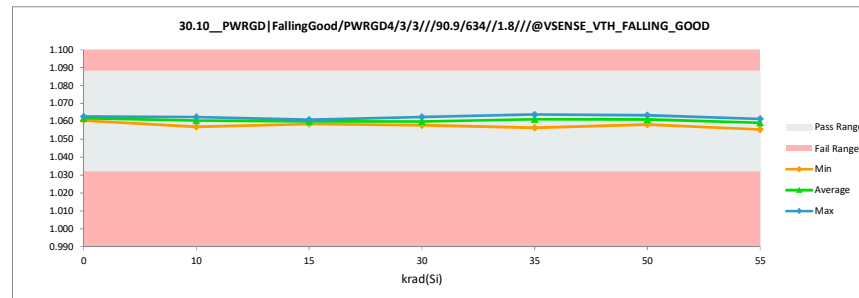
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.10_PWRGD FallingGood/PWRGD4/3/3///				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.061	1.061	0.001
0	98	1.063	1.063	0.000
0	99	1.062	1.062	0.000
10	1	1.061	1.061	0.000
10	2	1.062	1.061	0.000
10	3	1.060	1.061	-0.001
10	4	1.057	1.057	0.000
10	5	1.063	1.062	0.000
15	6	1.059	1.059	0.000
15	7	1.061	1.061	0.001
15	8	1.059	1.059	0.000
15	9	1.061	1.061	0.000
15	10	1.060	1.061	-0.001
30	11	1.063	1.062	0.001
30	12	1.061	1.060	0.000
30	13	1.058	1.058	0.000
30	14	1.059	1.060	-0.001
30	15	1.058	1.059	-0.001
35	16	1.064	1.063	0.001
35	17	1.061	1.061	0.000
35	18	1.060	1.061	0.000
35	19	1.063	1.064	-0.001
35	20	1.056	1.056	0.000
50	21	1.064	1.063	0.000
50	22	1.061	1.061	0.000
50	23	1.059	1.062	-0.003
50	24	1.061	1.061	0.000
50	25	1.059	1.058	0.000
55	26	1.058	1.061	-0.002
55	27	1.054	1.056	-0.002
55	28	1.059	1.060	-0.001
55	29	1.058	1.059	-0.001
55	31	1.061	1.061	-0.001
Max		1.064	1.064	0.001
Average		1.060	1.060	0.000
Min		1.054	1.056	-0.003
Std Dev		0.002	0.002	0.001



30.10_PWRGD FallingGood/PWRGD4/3/3///							
Test Site							
Tester							
Test Number							
Max Limit	1.088						
Min Limit	1.032						
krad(Si)	0	10	15	30	35	50	55
LL	1.032	1.032	1.032	1.032	1.032	1.032	1.032
Min	1.061	1.057	1.059	1.058	1.056	1.058	1.056
Average	1.062	1.060	1.060	1.060	1.061	1.061	1.059
Max	1.063	1.062	1.061	1.062	1.064	1.063	1.061
UL	1.088	1.088	1.088	1.088	1.088	1.088	1.088

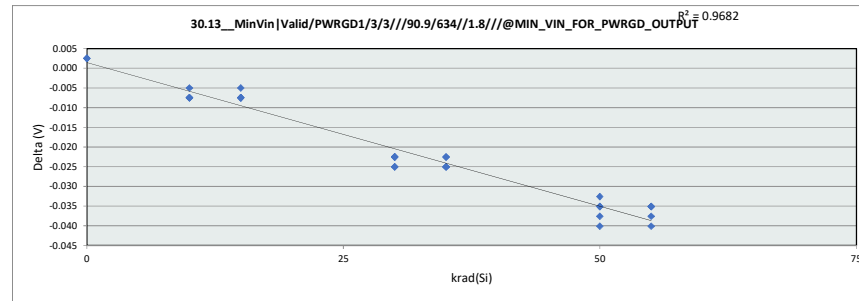


TID HDR Report

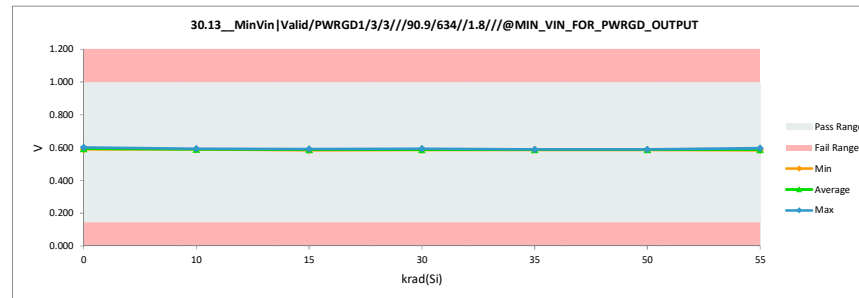
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.13_MinVin Valid/PWRGD1/3/3//90.9/634//1.8//@MIN_VIN_FOR_PWRGD_OUTPUT				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	0.995		
Min Limit	-0.025	0.145		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.591	0.589	0.002
0	98	0.591	0.589	0.002
0	99	0.604	0.601	0.002
10	1	0.584	0.589	-0.005
10	2	0.586	0.594	-0.007
10	3	0.581	0.589	-0.008
10	4	0.581	0.589	-0.008
10	5	0.581	0.589	-0.008
15	6	0.584	0.591	-0.007
15	7	0.578	0.584	-0.005
15	8	0.581	0.589	-0.008
15	9	0.584	0.591	-0.007
15	10	0.578	0.586	-0.008
30	11	0.563	0.586	-0.023
30	12	0.563	0.586	-0.023
30	13	0.566	0.589	-0.023
30	14	0.568	0.594	-0.025
30	15	0.563	0.589	-0.025
35	16	0.563	0.589	-0.025
35	17	0.566	0.589	-0.023
35	18	0.563	0.586	-0.023
35	19	0.561	0.586	-0.025
35	20	0.561	0.586	-0.025
50	21	0.553	0.586	-0.033
50	22	0.551	0.586	-0.035
50	23	0.548	0.586	-0.038
50	24	0.548	0.589	-0.040
50	25	0.553	0.589	-0.035
55	26	0.551	0.591	-0.040
55	27	0.561	0.596	-0.035
55	28	0.548	0.584	-0.035
55	29	0.551	0.589	-0.038
55	31	0.548	0.584	-0.035
Max		0.604	0.601	0.002
Average		0.568	0.589	-0.020
Min		0.548	0.584	-0.040
Std Dev		0.015	0.004	0.014



30.13_MinVin Valid/PWRGD1/3/3//90.9/634//1.8//@MIN_VIN_FOR_PWRGD_OUTPUT							
Test Site							
Tester							
Test Number							
Max Limit	0.995	V					
Min Limit	0.145	V					
krad(Si)	0	10	15	30	35	50	55
LL	0.145	0.145	0.145	0.145	0.145	0.145	0.145
Min	0.589	0.589	0.584	0.586	0.586	0.586	0.584
Average	0.593	0.590	0.588	0.589	0.587	0.587	0.589
Max	0.601	0.594	0.591	0.594	0.589	0.589	0.596
UL	0.995	0.995	0.995	0.995	0.995	0.995	0.995

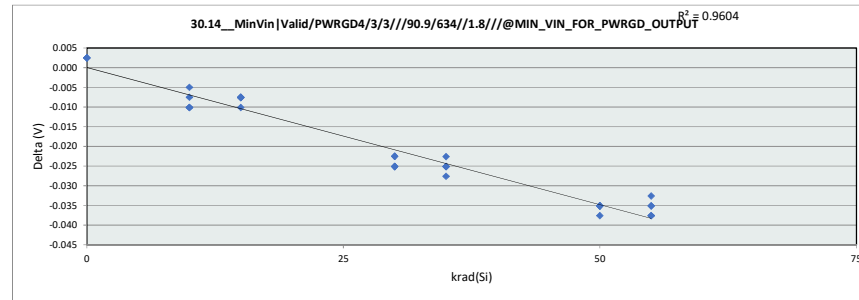


TID HDR Report

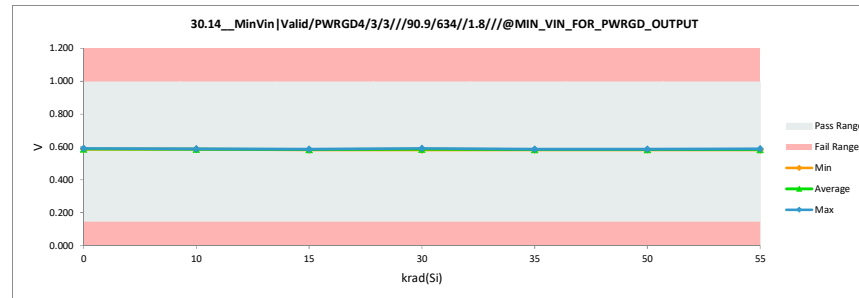
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

30.14_MinVin Valid/PWRGD4/3/3//90.9/634//1.8//@MIN_VIN_FOR_PWRGD_OUTPUT				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	0.995		
Min Limit	-0.025	0.145		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.589	0.586	0.002
0	98	0.589	0.586	0.002
0	99	0.594	0.591	0.002
10	1	0.581	0.589	-0.008
10	2	0.581	0.586	-0.005
10	3	0.576	0.586	-0.010
10	4	0.576	0.586	-0.010
10	5	0.576	0.586	-0.010
15	6	0.578	0.586	-0.008
15	7	0.573	0.581	-0.007
15	8	0.576	0.584	-0.008
15	9	0.576	0.586	-0.010
15	10	0.576	0.584	-0.008
30	11	0.561	0.586	-0.025
30	12	0.563	0.586	-0.023
30	13	0.563	0.586	-0.023
30	14	0.566	0.591	-0.025
30	15	0.556	0.581	-0.025
35	16	0.561	0.586	-0.025
35	17	0.558	0.584	-0.025
35	18	0.558	0.581	-0.023
35	19	0.561	0.586	-0.025
35	20	0.558	0.586	-0.028
50	21	0.548	0.584	-0.035
50	22	0.551	0.586	-0.035
50	23	0.546	0.581	-0.035
50	24	0.546	0.584	-0.038
50	25	0.548	0.584	-0.035
55	26	0.553	0.586	-0.033
55	27	0.551	0.589	-0.038
55	28	0.546	0.584	-0.038
55	29	0.546	0.581	-0.035
55	31	0.546	0.581	-0.035
Max		0.594	0.591	0.002
Average		0.564	0.585	-0.021
Min		0.546	0.581	-0.038
Std Dev		0.014	0.003	0.013



30.14_MinVin Valid/PWRGD4/3/3//90.9/634//1.8//@MIN_VIN_FOR_PWRGD_OUTPUT							
Test Site							
Tester							
Test Number							
Max Limit	0.995	V					
Min Limit	0.145	V					
krad(Si)	0	10	15	30	35	50	55
LL	0.145	0.145	0.145	0.145	0.145	0.145	0.145
Min	0.586	0.586	0.581	0.581	0.581	0.581	0.581
Average	0.588	0.587	0.584	0.586	0.585	0.584	0.584
Max	0.591	0.589	0.586	0.591	0.586	0.586	0.589
UL	0.995	0.995	0.995	0.995	0.995	0.995	0.995

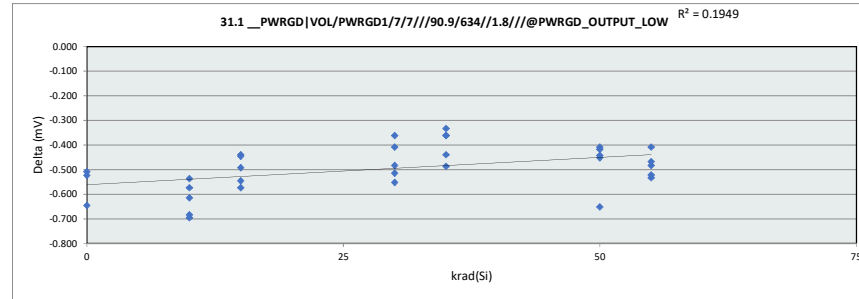


TID HDR Report

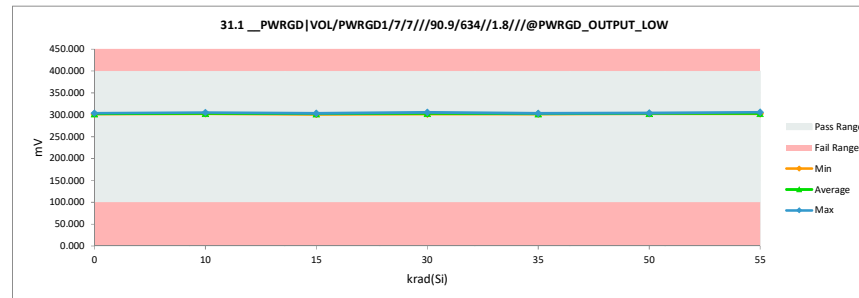
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.1 __PWRGD VOL/PWRGD1/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	300.803	301.327	-0.524
0	98	301.446	302.092	-0.646
0	99	303.102	303.610	-0.508
10	1	302.015	302.698	-0.683
10	2	304.426	304.962	-0.537
10	3	301.830	302.526	-0.696
10	4	301.346	301.961	-0.614
10	5	301.874	302.448	-0.574
15	6	301.777	302.351	-0.574
15	7	302.667	303.107	-0.440
15	8	300.700	301.192	-0.492
15	9	301.946	302.492	-0.546
15	10	300.594	301.039	-0.445
30	11	300.684	301.198	-0.514
30	12	301.209	301.692	-0.483
30	13	302.430	302.982	-0.552
30	14	305.029	305.391	-0.362
30	15	302.393	302.801	-0.408
35	16	302.152	302.485	-0.333
35	17	301.674	302.160	-0.486
35	18	301.443	301.804	-0.361
35	19	302.021	302.460	-0.439
35	20	303.011	303.373	-0.362
50	21	302.733	303.185	-0.452
50	22	302.568	302.985	-0.418
50	23	303.620	304.029	-0.409
50	24	301.980	302.423	-0.443
50	25	301.715	302.367	-0.652
55	26	302.667	303.201	-0.533
55	27	305.122	305.643	-0.521
55	28	301.531	301.998	-0.467
55	29	302.543	302.951	-0.408
55	31	301.802	302.285	-0.483
Max		305.122	305.643	-0.333
Average		302.208	302.704	-0.496
Min		300.594	301.039	-0.696
Std Dev		1.114	1.095	0.094



31.1 __PWRGD VOL/PWRGD1							
Test Site							
Tester							
Test Number							
Max Limit	399		mV				
Min Limit	100		mV				
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	301.327	301.961	301.039	301.198	301.804	302.367	301.998
Average	302.343	302.919	302.036	302.813	302.457	302.998	303.216
Max	303.610	304.963	303.107	305.391	303.373	304.029	305.644
UL	399.000	399.000	399.000	399.000	399.000	399.000	399.000

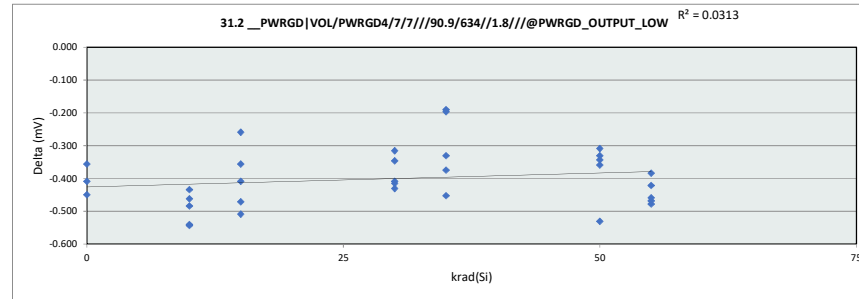


TID HDR Report

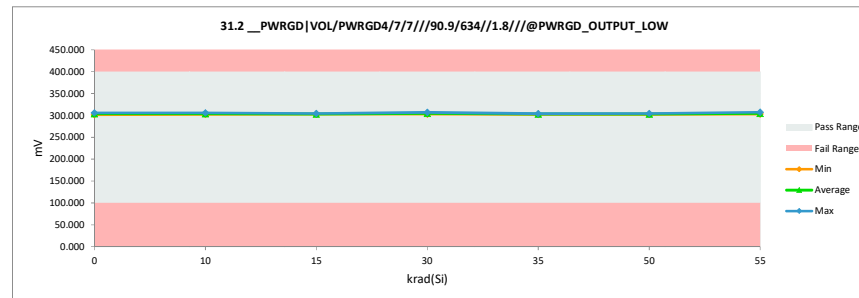
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.2 __PWRGD VOL/PWRGD4/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	400	399		
Min Limit	40.2	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	301.270	301.679	-0.409
0	98	303.696	304.146	-0.450
0	99	305.376	305.732	-0.356
10	1	304.349	304.889	-0.540
10	2	305.236	305.670	-0.434
10	3	302.766	303.309	-0.543
10	4	302.135	302.597	-0.462
10	5	303.056	303.540	-0.484
15	6	302.803	303.312	-0.509
15	7	303.840	304.196	-0.356
15	8	302.422	302.831	-0.409
15	9	302.678	303.150	-0.471
15	10	302.466	302.725	-0.259
30	11	302.510	302.925	-0.415
30	12	302.760	303.190	-0.431
30	13	303.924	304.333	-0.409
30	14	306.522	306.838	-0.316
30	15	304.305	304.652	-0.347
35	16	303.806	303.996	-0.190
35	17	301.870	302.322	-0.453
35	18	301.938	302.269	-0.331
35	19	302.550	302.925	-0.374
35	20	303.696	303.893	-0.197
50	21	302.188	302.547	-0.359
50	22	303.706	304.015	-0.309
50	23	304.074	304.418	-0.343
50	24	302.691	303.022	-0.331
50	25	301.991	302.522	-0.531
55	26	303.222	303.690	-0.468
55	27	306.772	307.250	-0.478
55	28	302.710	303.094	-0.384
55	29	303.728	304.186	-0.459
55	31	302.981	303.403	-0.421
Max		306.772	307.250	-0.190
Average		303.334	303.735	-0.401
Min		301.270	301.679	-0.543
Std Dev		1.273	1.265	0.088



31.2 __PWRGD VOL/PWRGD4							
Test Site							
Tester							
Test Number							
Max Limit	399	mV					
Min Limit	100	mV					
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	301.679	302.597	302.725	302.925	302.269	302.522	303.094
Average	303.852	304.001	303.243	304.388	303.081	303.305	304.324
Max	305.732	305.670	304.196	306.838	303.996	304.418	307.250
UL	399.000	399.000	399.000	399.000	399.000	399.000	399.000

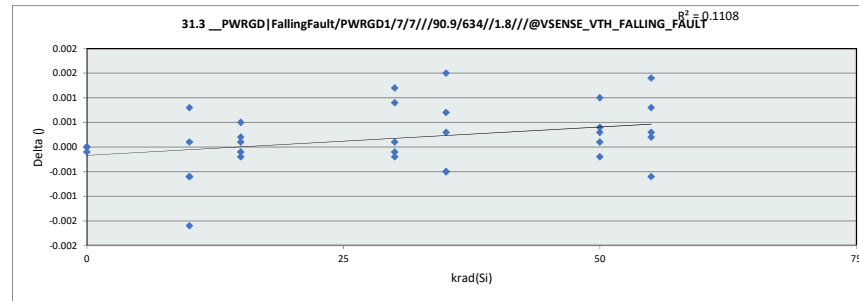


TID HDR Report

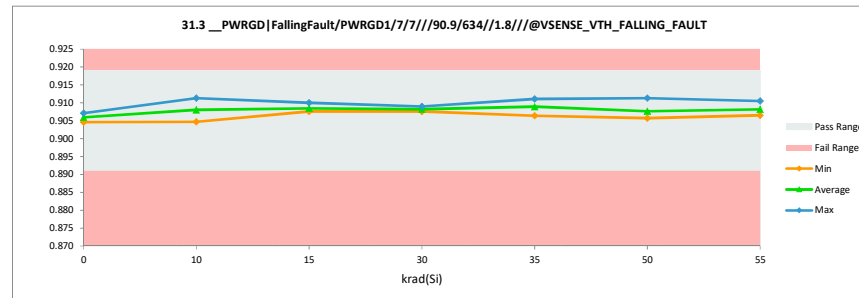
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.3 __PWRGD FallingFault/PWRGD1/7/7///9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.905	0.905	0.000
0	98	0.907	0.907	0.000
0	99	0.906	0.906	0.000
10	1	0.908	0.908	-0.001
10	2	0.903	0.905	-0.002
10	3	0.908	0.907	0.001
10	4	0.908	0.909	-0.001
10	5	0.911	0.911	0.000
15	6	0.908	0.908	0.000
15	7	0.908	0.908	0.000
15	8	0.910	0.909	0.000
15	9	0.908	0.908	0.000
15	10	0.910	0.910	0.000
30	11	0.909	0.909	0.000
30	12	0.910	0.909	0.001
30	13	0.907	0.908	0.000
30	14	0.909	0.908	0.001
30	15	0.908	0.908	0.000
35	16	0.911	0.910	0.001
35	17	0.909	0.908	0.002
35	18	0.911	0.911	0.000
35	19	0.906	0.906	-0.001
35	20	0.909	0.909	0.000
50	21	0.907	0.908	0.000
50	22	0.912	0.911	0.000
50	23	0.907	0.907	0.000
50	24	0.906	0.906	0.000
50	25	0.908	0.907	0.001
55	26	0.908	0.908	0.000
55	27	0.909	0.908	0.001
55	28	0.908	0.908	-0.001
55	29	0.908	0.906	0.001
55	31	0.911	0.910	0.000
Max		0.912	0.911	0.002
Average		0.908	0.908	0.000
Min		0.903	0.905	-0.002
Std Dev		0.002	0.002	0.001



31.3 __PWRGD FallingFault/P							
Test Site							
Tester							
Test Number							
Max Limit	0.919						
Min Limit	0.891						
krad(Si)	0	10	15	30	35	50	55
LL	0.891	0.891	0.891	0.891	0.891	0.891	0.891
Min	0.905	0.905	0.908	0.908	0.906	0.906	0.907
Average	0.906	0.908	0.908	0.908	0.909	0.908	0.908
Max	0.907	0.911	0.910	0.909	0.911	0.911	0.911
UL	0.919	0.919	0.919	0.919	0.919	0.919	0.919

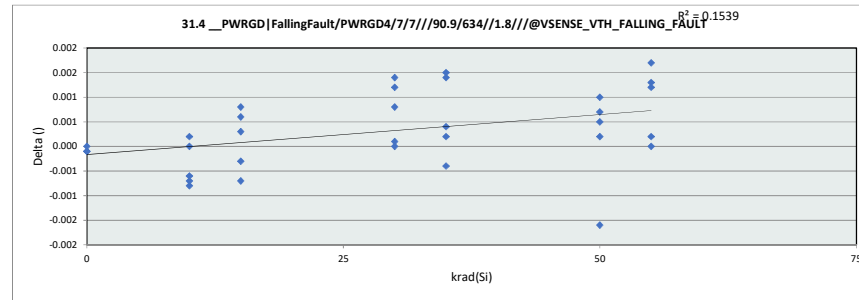


TID HDR Report

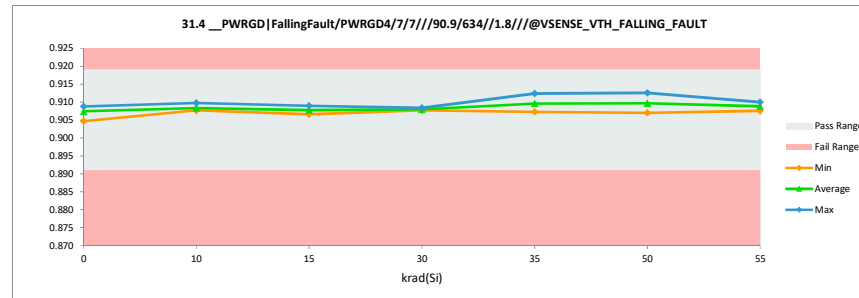
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.4 __PWRGD FallingFault/PWRGD4/7/7///9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.905	0.905	0.000
0	98	0.909	0.909	0.000
0	99	0.909	0.909	0.000
10	1	0.908	0.909	-0.001
10	2	0.907	0.908	-0.001
10	3	0.908	0.908	0.000
10	4	0.908	0.908	0.000
10	5	0.909	0.910	-0.001
15	6	0.908	0.909	-0.001
15	7	0.907	0.907	0.001
15	8	0.908	0.908	0.000
15	9	0.909	0.908	0.001
15	10	0.908	0.908	0.000
30	11	0.908	0.908	0.000
30	12	0.909	0.908	0.001
30	13	0.909	0.908	0.001
30	14	0.909	0.908	0.001
30	15	0.908	0.908	0.000
35	16	0.912	0.911	0.002
35	17	0.909	0.907	0.001
35	18	0.909	0.909	0.000
35	19	0.908	0.909	0.000
35	20	0.913	0.912	0.000
50	21	0.910	0.909	0.001
50	22	0.910	0.909	0.001
50	23	0.911	0.913	-0.002
50	24	0.910	0.910	0.000
50	25	0.908	0.907	0.001
55	26	0.910	0.909	0.001
55	27	0.909	0.909	0.000
55	28	0.910	0.910	0.000
55	29	0.909	0.908	0.001
55	31	0.910	0.909	0.002
Max		0.913	0.913	0.002
Average		0.909	0.909	0.000
Min		0.905	0.905	-0.002
Std Dev		0.002	0.002	0.001



31.4 __PWRGD FallingFault/P							
Test Site							
Tester							
Test Number							
Max Limit	0.919						
Min Limit	0.891						
krad(Si)	0	10	15	30	35	50	55
LL	0.891	0.891	0.891	0.891	0.891	0.891	0.891
Min	0.905	0.908	0.907	0.908	0.907	0.907	0.908
Average	0.907	0.908	0.908	0.908	0.910	0.910	0.909
Max	0.909	0.910	0.909	0.908	0.912	0.913	0.910
UL	0.919	0.919	0.919	0.919	0.919	0.919	0.919

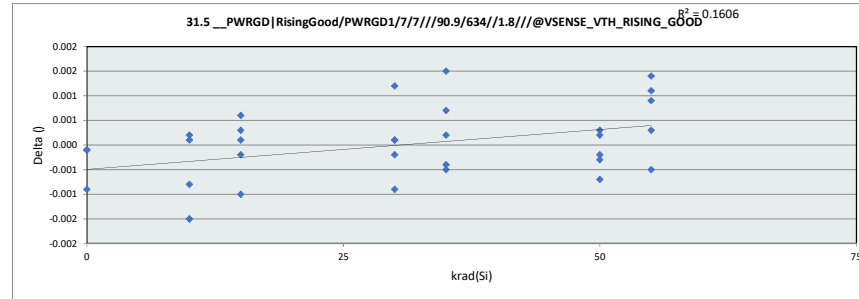


TID HDR Report

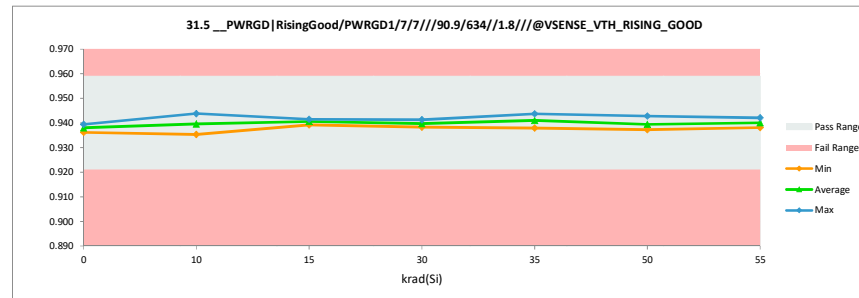
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.5 __PWRGD RisingGood/PWRGD1/7/7//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.936	0.936	0.000
0	98	0.938	0.939	-0.001
0	99	0.938	0.939	0.000
10	1	0.938	0.940	-0.002
10	2	0.934	0.935	-0.002
10	3	0.939	0.939	-0.001
10	4	0.940	0.940	0.000
10	5	0.944	0.944	0.000
15	6	0.939	0.939	0.000
15	7	0.940	0.940	0.000
15	8	0.942	0.942	0.001
15	9	0.940	0.941	-0.001
15	10	0.941	0.941	0.000
30	11	0.940	0.941	-0.001
30	12	0.942	0.941	0.001
30	13	0.938	0.938	0.000
30	14	0.939	0.939	0.000
30	15	0.939	0.939	0.000
35	16	0.942	0.942	0.001
35	17	0.943	0.941	0.002
35	18	0.943	0.944	-0.001
35	19	0.938	0.938	0.000
35	20	0.941	0.941	0.000
50	21	0.939	0.939	0.000
50	22	0.942	0.943	0.000
50	23	0.939	0.940	-0.001
50	24	0.938	0.937	0.000
50	25	0.938	0.938	0.000
55	26	0.939	0.940	-0.001
55	27	0.940	0.939	0.001
55	28	0.941	0.941	0.000
55	29	0.939	0.938	0.001
55	31	0.943	0.942	0.001
Max		0.944	0.944	0.002
Average		0.940	0.940	0.000
Min		0.934	0.935	-0.002
Std Dev		0.002	0.002	0.001



31.5 __PWRGD RisingGood/PWRGD1/7/7//90.9/634//1.8///@VSENSE_VTH_RISING_GOOD							
Test Site							
Tester							
Test Number							
Max Limit	0.959						
Min Limit	0.921						
krad(Si)	0	10	15	30	35	50	55
LL	0.921	0.921	0.921	0.921	0.921	0.921	0.921
Min	0.936	0.935	0.939	0.938	0.938	0.937	0.938
Average	0.938	0.940	0.941	0.940	0.941	0.939	0.940
Max	0.939	0.944	0.942	0.941	0.944	0.943	0.942
UL	0.959	0.959	0.959	0.959	0.959	0.959	0.959

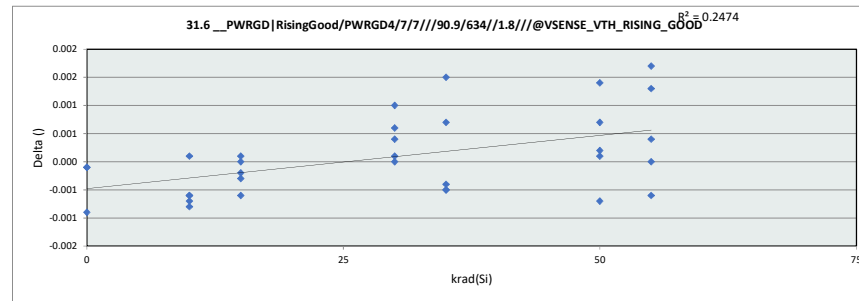


TID HDR Report

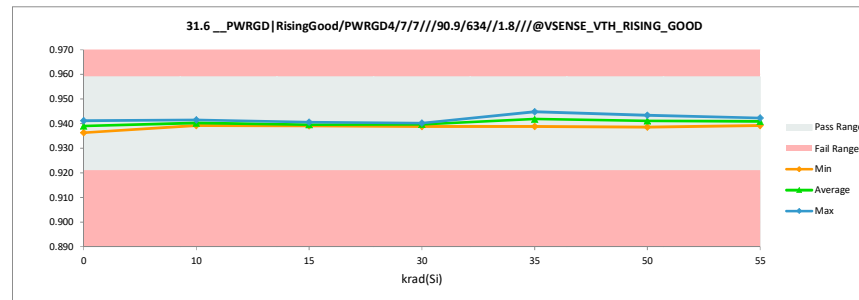
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.6 __PWRGD RisingGood/PWRGD4/7/7//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.936	0.936	0.000
0	98	0.939	0.939	-0.001
0	99	0.941	0.941	0.000
10	1	0.939	0.939	-0.001
10	2	0.939	0.939	-0.001
10	3	0.940	0.941	-0.001
10	4	0.940	0.940	-0.001
10	5	0.942	0.942	0.000
15	6	0.941	0.941	0.000
15	7	0.939	0.939	0.000
15	8	0.939	0.939	0.000
15	9	0.939	0.939	0.000
15	10	0.939	0.939	-0.001
30	11	0.940	0.940	0.000
30	12	0.939	0.939	0.000
30	13	0.941	0.940	0.001
30	14	0.939	0.939	0.000
30	15	0.941	0.940	0.001
35	16	0.946	0.945	0.001
35	17	0.940	0.939	0.002
35	18	0.941	0.942	-0.001
35	19	0.939	0.939	0.000
35	20	0.944	0.945	-0.001
50	21	0.942	0.941	0.001
50	22	0.942	0.941	0.001
50	23	0.943	0.943	-0.001
50	24	0.942	0.942	0.000
50	25	0.939	0.939	0.000
55	26	0.942	0.942	0.000
55	27	0.941	0.941	0.000
55	28	0.942	0.942	-0.001
55	29	0.941	0.939	0.001
55	31	0.942	0.940	0.002
Max		0.946	0.945	0.002
Average		0.940	0.940	0.000
Min		0.936	0.936	-0.001
Std Dev		0.002	0.002	0.001



31.6 __PWRGD RisingGood/PWRGD4/7/7//90.9/634//1.8//@VSENSE_VTH_RISING_GOOD							
Test Site							
Tester							
Test Number							
Max Limit	0.959						
Min Limit	0.921						
krad(Si)	0	10	15	30	35	50	55
LL	0.921	0.921	0.921	0.921	0.921	0.921	0.921
Min	0.936	0.939	0.939	0.939	0.939	0.939	0.939
Average	0.939	0.940	0.940	0.940	0.942	0.941	0.941
Max	0.941	0.942	0.941	0.940	0.945	0.943	0.942
UL	0.959	0.959	0.959	0.959	0.959	0.959	0.959

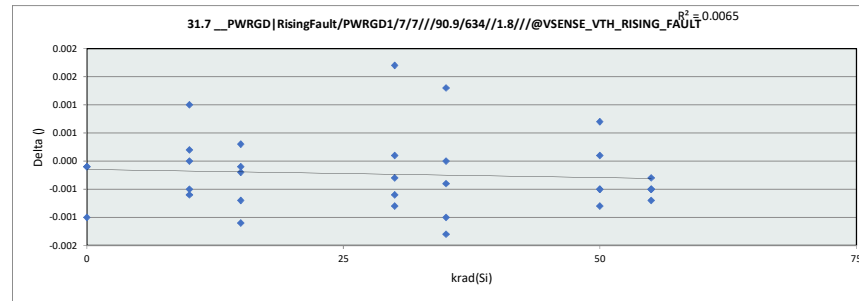


TID HDR Report

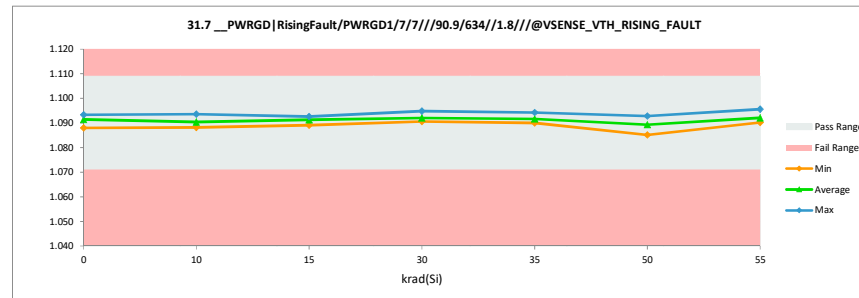
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.7 __PWRGD RisingFault/PWRGD1/7/7//9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.092	1.093	-0.001
0	98	1.088	1.088	0.000
0	99	1.093	1.093	0.000
10	1	1.089	1.089	0.000
10	2	1.091	1.091	-0.001
10	3	1.088	1.088	0.000
10	4	1.094	1.094	0.000
10	5	1.091	1.090	0.001
15	6	1.091	1.092	-0.001
15	7	1.091	1.091	0.000
15	8	1.092	1.093	-0.001
15	9	1.089	1.089	0.000
15	10	1.092	1.092	0.000
30	11	1.092	1.091	0.002
30	12	1.094	1.095	0.000
30	13	1.091	1.092	-0.001
30	14	1.091	1.091	-0.001
30	15	1.092	1.092	0.000
35	16	1.092	1.092	0.000
35	17	1.093	1.094	-0.001
35	18	1.093	1.091	0.001
35	19	1.090	1.090	0.000
35	20	1.089	1.090	-0.001
50	21	1.092	1.093	-0.001
50	22	1.091	1.091	0.001
50	23	1.087	1.087	-0.001
50	24	1.091	1.091	0.000
50	25	1.085	1.085	-0.001
55	26	1.095	1.096	0.000
55	27	1.090	1.091	-0.001
55	28	1.090	1.091	-0.001
55	29	1.093	1.093	0.000
55	31	1.090	1.090	0.000
Max		1.095	1.096	0.002
Average		1.091	1.091	0.000
Min		1.085	1.085	-0.001
Std Dev		0.002	0.002	0.001



31.7 __PWRGD RisingFault/PV							
Test Site							
Tester							
Test Number							
Max Limit	1.109						
Min Limit	1.071						
krad(Si)	0	10	15	30	35	50	55
LL	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Min	1.088	1.088	1.089	1.091	1.090	1.085	1.090
Average	1.091	1.090	1.091	1.092	1.092	1.089	1.092
Max	1.093	1.094	1.093	1.095	1.094	1.093	1.096
UL	1.109	1.109	1.109	1.109	1.109	1.109	1.109

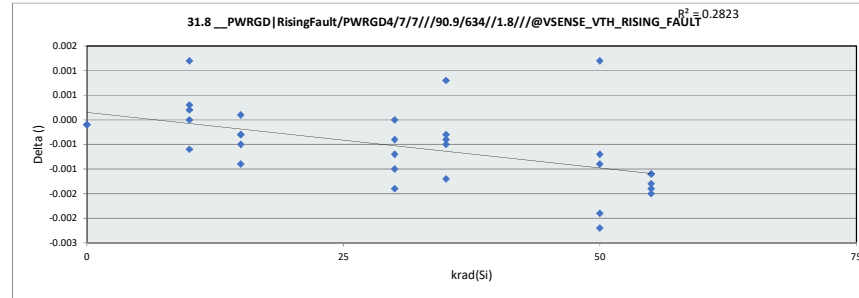


TID HDR Report

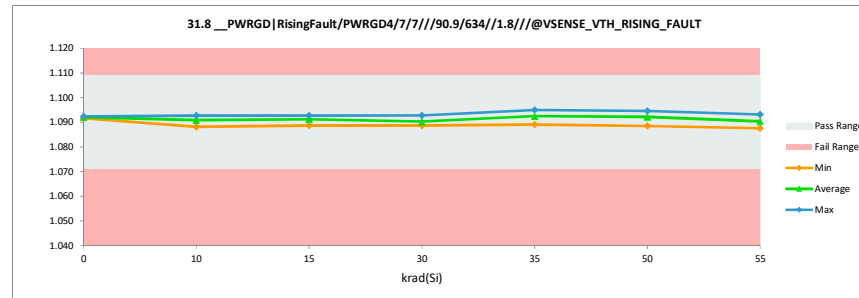
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.8 __PWRGD RisingFault/PWRGD4/7/7///9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.092	1.092	0.000
0	98	1.092	1.092	0.000
0	99	1.092	1.092	0.000
10	1	1.092	1.091	0.001
10	2	1.093	1.092	0.000
10	3	1.090	1.090	0.000
10	4	1.088	1.088	-0.001
10	5	1.093	1.093	0.000
15	6	1.089	1.089	0.000
15	7	1.092	1.093	0.000
15	8	1.091	1.091	0.000
15	9	1.091	1.092	-0.001
15	10	1.091	1.092	-0.001
30	11	1.093	1.093	0.000
30	12	1.091	1.092	0.000
30	13	1.088	1.089	-0.001
30	14	1.088	1.089	-0.001
30	15	1.088	1.089	-0.001
35	16	1.095	1.095	0.001
35	17	1.091	1.091	0.000
35	18	1.092	1.093	0.000
35	19	1.094	1.095	-0.001
35	20	1.089	1.089	0.000
50	21	1.094	1.095	-0.001
50	22	1.090	1.092	-0.002
50	23	1.091	1.093	-0.002
50	24	1.092	1.093	-0.001
50	25	1.090	1.089	0.001
55	26	1.090	1.091	-0.001
55	27	1.086	1.088	-0.002
55	28	1.089	1.091	-0.001
55	29	1.088	1.089	-0.001
55	31	1.092	1.093	-0.001
Max		1.095	1.095	0.001
Average		1.091	1.091	-0.001
Min		1.086	1.088	-0.002
Std Dev		0.002	0.002	0.001



31.8 __PWRGD RisingFault/PWRGD4/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_FAULT							
Test Site							
Tester							
Test Number							
Max Limit	1.109						
Min Limit	1.071						
krad(Si)	0	10	15	30	35	50	55
LL	1.071	1.071	1.071	1.071	1.071	1.071	1.071
Min	1.092	1.088	1.089	1.089	1.089	1.089	1.088
Average	1.092	1.091	1.091	1.090	1.093	1.092	1.090
Max	1.092	1.093	1.093	1.093	1.095	1.095	1.093
UL	1.109	1.109	1.109	1.109	1.109	1.109	1.109

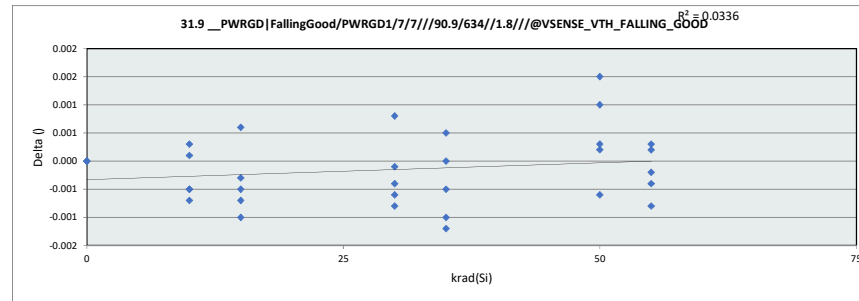


TID HDR Report

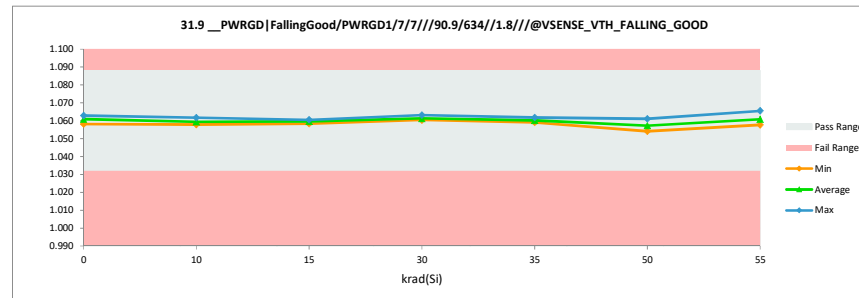
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.9 __PWRGD FallingGood/PWRGD1/7/7///9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.062	1.062	0.000
0	98	1.058	1.058	0.000
0	99	1.063	1.063	0.000
10	1	1.058	1.059	-0.001
10	2	1.060	1.061	-0.001
10	3	1.058	1.058	-0.001
10	4	1.062	1.062	0.000
10	5	1.058	1.058	0.000
15	6	1.060	1.061	-0.001
15	7	1.060	1.060	0.001
15	8	1.060	1.060	0.000
15	9	1.057	1.058	-0.001
15	10	1.059	1.060	-0.001
30	11	1.061	1.061	0.001
30	12	1.063	1.063	0.000
30	13	1.061	1.061	0.000
30	14	1.060	1.060	-0.001
30	15	1.060	1.061	-0.001
35	16	1.060	1.060	0.000
35	17	1.061	1.062	-0.001
35	18	1.062	1.061	0.000
35	19	1.058	1.059	-0.001
35	20	1.059	1.059	0.000
50	21	1.061	1.061	0.000
50	22	1.059	1.057	0.002
50	23	1.055	1.054	0.000
50	24	1.060	1.059	0.001
50	25	1.054	1.054	-0.001
55	26	1.065	1.066	0.000
55	27	1.058	1.059	-0.001
55	28	1.059	1.059	0.000
55	29	1.063	1.063	0.000
55	31	1.058	1.058	0.000
Max		1.065	1.066	0.002
Average		1.060	1.060	0.000
Min		1.054	1.054	-0.001
Std Dev		0.002	0.002	0.001



31.9 __PWRGD FallingGood/P							
Test Site							
Tester							
Test Number							
Max Limit	1.088						
Min Limit	1.032						
krad(Si)	0	10	15	30	35	50	55
LL	1.032	1.032	1.032	1.032	1.032	1.032	1.032
Min	1.058	1.058	1.058	1.060	1.059	1.054	1.058
Average	1.061	1.059	1.060	1.061	1.060	1.057	1.061
Max	1.063	1.062	1.061	1.063	1.062	1.061	1.066
UL	1.088	1.088	1.088	1.088	1.088	1.088	1.088

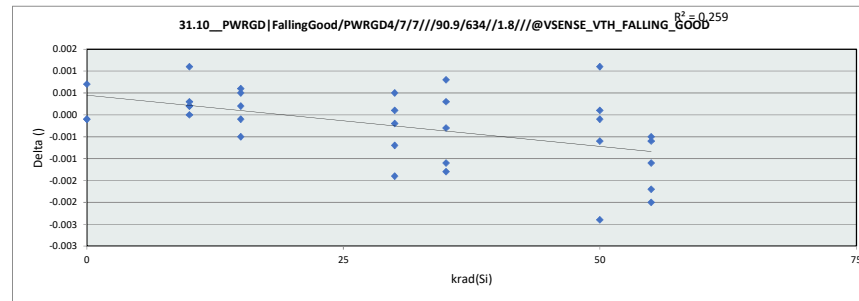


TID HDR Report

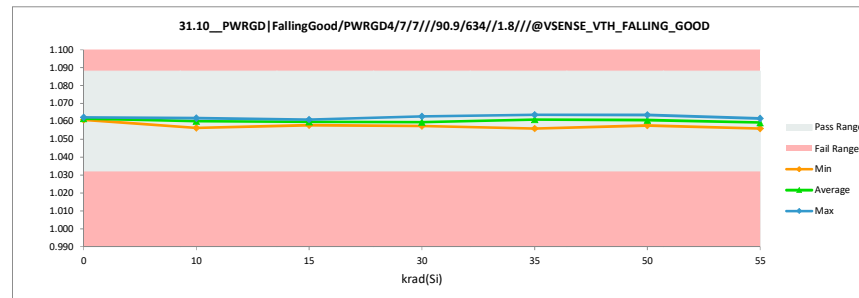
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.10_PWRGD FallingGood/PWRGD4/7/7///				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.061	1.061	0.000
0	98	1.062	1.062	0.000
0	99	1.062	1.062	0.001
10	1	1.061	1.060	0.001
10	2	1.062	1.062	0.000
10	3	1.060	1.060	0.000
10	4	1.057	1.056	0.000
10	5	1.062	1.062	0.000
15	6	1.058	1.058	0.000
15	7	1.061	1.061	0.000
15	8	1.059	1.059	0.001
15	9	1.060	1.060	0.000
15	10	1.060	1.061	-0.001
30	11	1.063	1.063	0.000
30	12	1.060	1.060	0.000
30	13	1.057	1.057	0.000
30	14	1.058	1.060	-0.001
30	15	1.057	1.058	-0.001
35	16	1.064	1.064	0.001
35	17	1.061	1.061	0.000
35	18	1.060	1.061	-0.001
35	19	1.062	1.063	-0.001
35	20	1.056	1.056	0.000
50	21	1.063	1.064	-0.001
50	22	1.060	1.060	0.000
50	23	1.059	1.061	-0.002
50	24	1.061	1.061	0.000
50	25	1.059	1.058	0.001
55	26	1.058	1.060	-0.002
55	27	1.054	1.056	-0.002
55	28	1.059	1.059	0.000
55	29	1.059	1.060	-0.001
55	31	1.061	1.062	-0.001
Max		1.064	1.064	0.001
Average		1.060	1.060	0.000
Min		1.054	1.056	-0.002
Std Dev		0.002	0.002	0.001



31.10_PWRGD FallingGood/PWRGD4/7/7///90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD							
Test Site							
Tester							
Test Number							
Max Limit	1.088						
Min Limit	1.032						
krad(Si)	0	10	15	30	35	50	55
LL	1.032	1.032	1.032	1.032	1.032	1.032	1.032
Min	1.061	1.056	1.058	1.057	1.056	1.058	1.056
Average	1.062	1.060	1.060	1.060	1.061	1.061	1.059
Max	1.062	1.062	1.061	1.063	1.064	1.064	1.062
UL	1.088	1.088	1.088	1.088	1.088	1.088	1.088

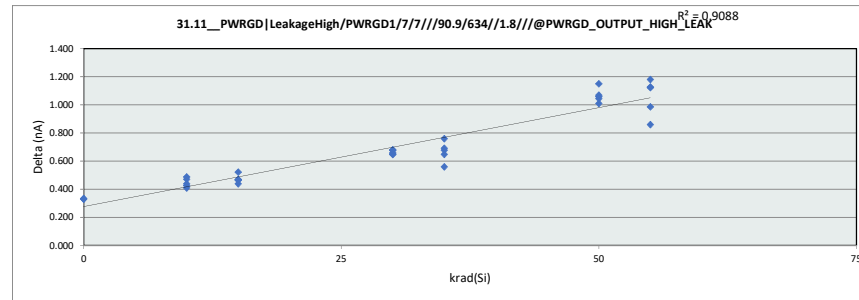


TID HDR Report

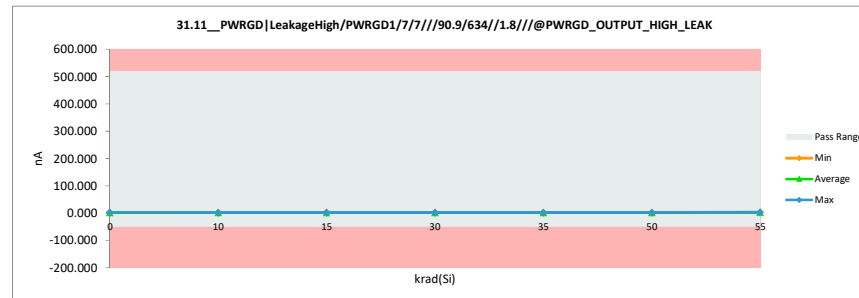
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.11_PWRGD LeakageHigh/PWRGD1/7/7//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	518		
Min Limit	-163.6	-50		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.769	2.435	0.334
0	98	3.417	3.088	0.329
0	99	2.652	2.321	0.331
10	1	2.789	2.318	0.470
10	2	2.791	2.304	0.487
10	3	2.842	2.404	0.438
10	4	2.755	2.346	0.409
10	5	2.804	2.378	0.426
15	6	2.769	2.330	0.439
15	7	2.894	2.429	0.465
15	8	2.875	2.408	0.467
15	9	2.836	2.314	0.522
15	10	2.923	2.454	0.469
30	11	3.071	2.395	0.676
30	12	3.060	2.411	0.650
30	13	3.045	2.399	0.646
30	14	2.993	2.335	0.658
30	15	3.048	2.368	0.680
35	16	2.987	2.428	0.559
35	17	3.081	2.390	0.691
35	18	3.101	2.454	0.647
35	19	3.115	2.356	0.759
35	20	3.058	2.381	0.677
50	21	3.459	2.401	1.058
50	22	3.454	2.445	1.010
50	23	3.549	2.401	1.149
50	24	3.494	2.451	1.044
50	25	3.444	2.376	1.068
55	26	3.364	2.379	0.985
55	27	3.171	2.312	0.859
55	28	3.757	2.631	1.126
55	29	3.787	2.665	1.122
55	31	4.536	3.356	1.180
Max		4.536	3.356	1.180
Average		3.142	2.450	0.692
Min		2.652	2.304	0.329
Std Dev		0.392	0.216	0.274



31.11_PWRGD LeakageHigh/							
Test Site							
Tester							
Test Number							
Max Limit	518	nA					
Min Limit	-50	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	2.321	2.304	2.314	2.335	2.356	2.376	2.312
Average	2.615	2.350	2.387	2.382	2.402	2.414	2.669
Max	3.088	2.404	2.454	2.411	2.454	2.451	3.356
UL	518.000	518.000	518.000	518.000	518.000	518.000	518.000

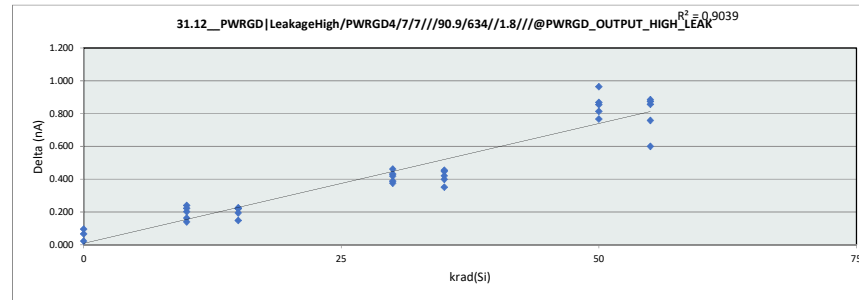


TID HDR Report

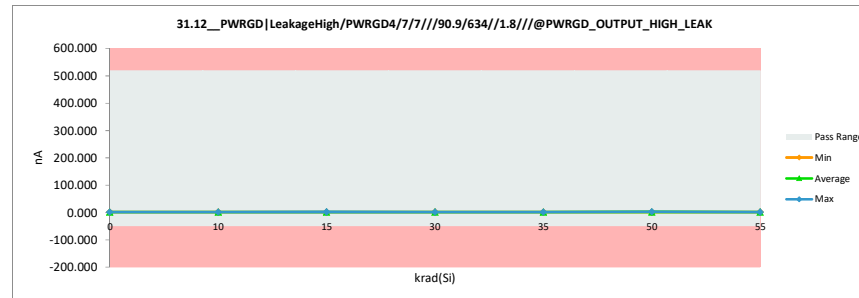
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

31.12_PWRGD LeakageHigh/PWRGD4/7/7//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	518		
Min Limit	-163.6	-50		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.929	1.907	0.023
0	98	1.906	1.839	0.067
0	99	1.933	1.837	0.096
10	1	1.976	1.774	0.202
10	2	2.059	1.819	0.240
10	3	2.036	1.813	0.223
10	4	2.020	1.880	0.140
10	5	2.044	1.881	0.163
15	6	2.017	1.868	0.149
15	7	2.061	1.840	0.221
15	8	1.974	1.779	0.194
15	9	2.634	2.412	0.221
15	10	2.089	1.863	0.226
30	11	2.240	1.822	0.419
30	12	2.196	1.820	0.376
30	13	2.282	1.820	0.462
30	14	2.223	1.834	0.389
30	15	2.292	1.860	0.432
35	16	2.210	1.859	0.351
35	17	2.227	1.828	0.399
35	18	2.302	1.853	0.449
35	19	2.239	1.817	0.421
35	20	2.427	1.972	0.455
50	21	2.720	1.865	0.855
50	22	2.932	2.164	0.767
50	23	2.794	1.829	0.964
50	24	2.808	1.940	0.868
50	25	3.832	3.018	0.814
55	26	2.599	1.841	0.758
55	27	2.547	1.946	0.600
55	28	2.714	1.858	0.857
55	29	2.807	1.933	0.874
55	31	2.796	1.910	0.885
Max		3.832	3.018	0.964
Average		2.359	1.918	0.441
Min		1.906	1.774	0.023
Std Dev		0.410	0.230	0.286



31.12_PWRGD LeakageHigh/							
Test Site							
Tester							
Test Number							
Max Limit	518	nA					
Min Limit	-50	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000	-50.000
Min	1.837	1.774	1.779	1.820	1.817	1.829	1.841
Average	1.861	1.833	1.953	1.831	1.866	2.163	1.898
Max	1.907	1.881	2.412	1.860	1.972	3.018	1.947
UL	518.000	518.000	518.000	518.000	518.000	518.000	518.000

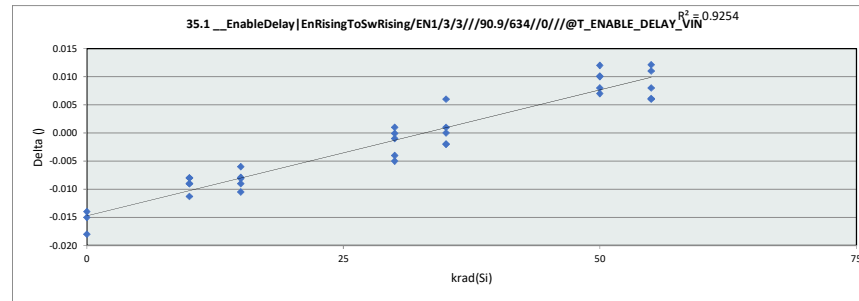


TID HDR Report

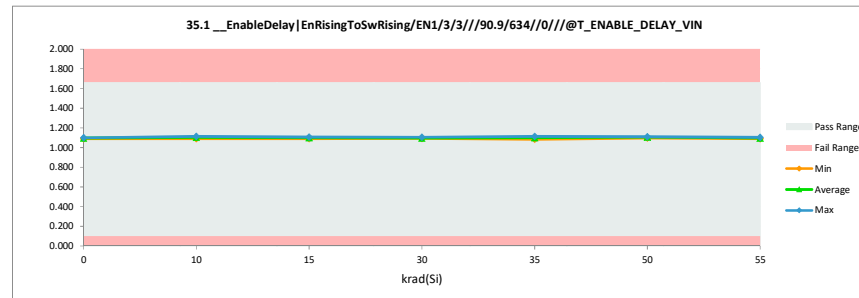
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

35.1 __EnableDelay EnRisingToSwRising/EN1/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.7	1.66		
Min Limit	-0.212	0.1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.075	1.090	-0.015
0	98	1.082	1.100	-0.018
0	99	1.086	1.100	-0.014
10	1	1.082	1.091	-0.009
10	2	1.092	1.101	-0.009
10	3	1.106	1.114	-0.008
10	4	1.099	1.107	-0.008
10	5	1.092	1.103	-0.011
15	6	1.094	1.104	-0.011
15	7	1.082	1.090	-0.008
15	8	1.091	1.100	-0.009
15	9	1.101	1.107	-0.006
15	10	1.094	1.102	-0.008
30	11	1.091	1.096	-0.005
30	12	1.090	1.094	-0.004
30	13	1.097	1.098	-0.001
30	14	1.092	1.092	0.000
30	15	1.106	1.105	0.001
35	16	1.106	1.108	-0.002
35	17	1.098	1.098	0.000
35	18	1.100	1.102	-0.002
35	19	1.114	1.113	0.001
35	20	1.088	1.082	0.006
50	21	1.115	1.105	0.010
50	22	1.103	1.096	0.007
50	23	1.118	1.108	0.010
50	24	1.123	1.111	0.012
50	25	1.117	1.109	0.008
55	26	1.099	1.091	0.008
55	27	1.110	1.104	0.006
55	28	1.107	1.095	0.012
55	29	1.100	1.089	0.011
55	31	1.110	1.104	0.006
Max		1.123	1.114	0.012
Average		1.099	1.100	-0.002
Min		1.075	1.082	-0.018
Std Dev		0.012	0.008	0.009



35.1 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	1.66						
Min Limit	0.1						
krad(Si)	0	10	15	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.090	1.091	1.090	1.092	1.082	1.096	1.089
Average	1.097	1.103	1.101	1.097	1.101	1.106	1.097
Max	1.100	1.114	1.107	1.105	1.113	1.111	1.104
UL	1.660	1.660	1.660	1.660	1.660	1.660	1.660

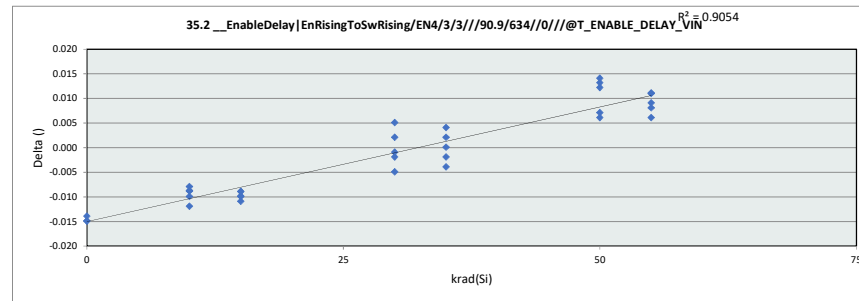


TID HDR Report

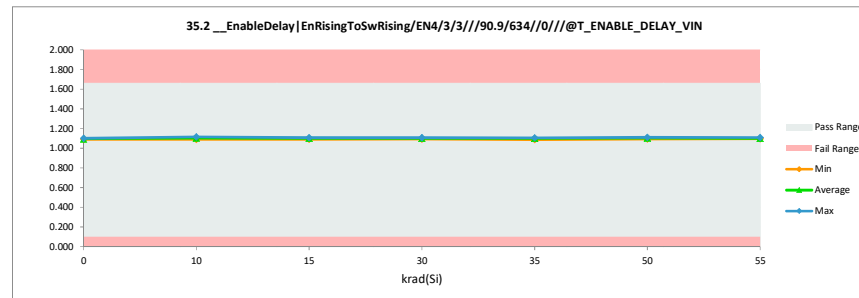
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

35.2 __EnableDelay EnRisingToSwRising/EN4/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.7	1.66		
Min Limit	-0.212	0.1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.076	1.091	-0.015
0	98	1.078	1.093	-0.015
0	99	1.087	1.101	-0.014
10	1	1.078	1.090	-0.012
10	2	1.091	1.100	-0.009
10	3	1.102	1.110	-0.008
10	4	1.106	1.116	-0.010
10	5	1.087	1.096	-0.009
15	6	1.097	1.107	-0.010
15	7	1.080	1.091	-0.011
15	8	1.092	1.101	-0.009
15	9	1.097	1.106	-0.009
15	10	1.093	1.103	-0.010
30	11	1.090	1.095	-0.005
30	12	1.095	1.097	-0.002
30	13	1.102	1.103	-0.001
30	14	1.095	1.093	0.002
30	15	1.113	1.108	0.005
35	16	1.100	1.104	-0.004
35	17	1.099	1.099	0.000
35	18	1.101	1.103	-0.002
35	19	1.108	1.106	0.002
35	20	1.091	1.087	0.004
50	21	1.111	1.104	0.007
50	22	1.104	1.092	0.012
50	23	1.112	1.099	0.013
50	24	1.124	1.110	0.014
50	25	1.111	1.105	0.006
55	26	1.108	1.097	0.011
55	27	1.117	1.109	0.008
55	28	1.105	1.096	0.009
55	29	1.107	1.096	0.011
55	31	1.106	1.100	0.006
Max		1.124	1.116	0.014
Average		1.099	1.100	-0.001
Min		1.076	1.087	-0.015
Std Dev		0.012	0.007	0.009



35.2 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	1.66						
Min Limit	0.1						
krad(Si)	0	10	15	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Min	1.091	1.090	1.091	1.093	1.087	1.092	1.096
Average	1.095	1.102	1.101	1.099	1.100	1.102	1.099
Max	1.101	1.116	1.107	1.108	1.106	1.110	1.109
UL	1.660	1.660	1.660	1.660	1.660	1.660	1.660

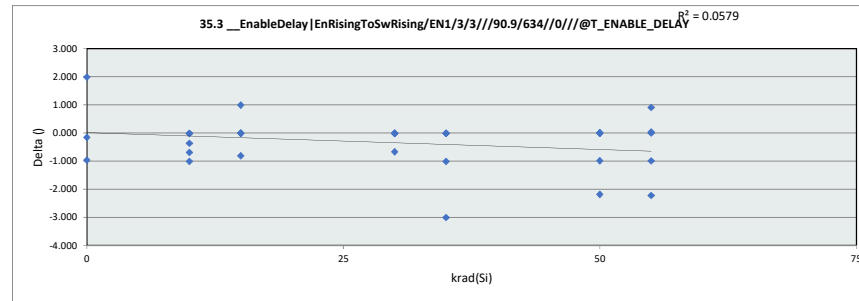


TID HDR Report

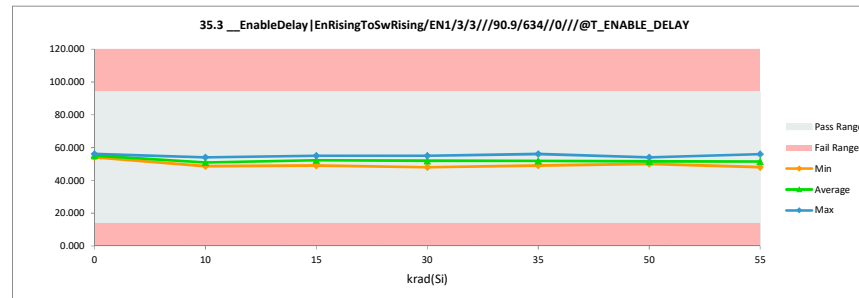
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

35.3 __EnableDelay EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_ENABLE_DELAY				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	100	94		
Min Limit	-2	14		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	58.050	56.067	1.983
0	98	55.047	55.205	-0.158
0	99	53.042	54.008	-0.965
10	1	50.222	50.917	-0.695
10	2	54.040	54.054	-0.015
10	3	49.042	49.058	-0.016
10	4	51.044	52.057	-1.013
10	5	48.345	48.712	-0.367
15	6	49.043	49.055	-0.012
15	7	53.043	52.054	0.989
15	8	52.043	52.053	-0.010
15	9	53.045	53.053	-0.008
15	10	54.241	55.053	-0.812
30	11	51.041	51.056	-0.015
30	12	48.042	48.055	-0.013
30	13	54.039	54.056	-0.017
30	14	55.038	55.050	-0.012
30	15	51.042	51.714	-0.672
35	16	51.045	51.055	-0.009
35	17	48.045	49.055	-1.010
35	18	52.042	52.058	-0.015
35	19	53.045	56.055	-3.010
35	20	51.043	51.055	-0.011
50	21	53.043	54.032	-0.989
50	22	51.042	51.055	-0.013
50	23	50.038	50.051	-0.013
50	24	48.867	51.052	-2.186
50	25	52.043	52.035	0.008
55	26	50.043	52.264	-2.221
55	27	50.041	51.038	-0.997
55	28	49.044	48.138	0.907
55	29	56.044	56.008	0.035
55	31	50.045	50.052	-0.007
Max		58.050	56.067	1.983
Average		51.664	52.008	-0.344
Min		48.042	48.055	-3.010
Std Dev		2.445	2.354	0.924



35.3 __EnableDelay EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_ENABLE_DELAY							
Test Site							
Tester							
Test Number							
Max Limit	94						
Min Limit	14						
krad(Si)	0	10	15	30	35	50	55
LL	14.000	14.000	14.000	14.000	14.000	14.000	14.000
Min	54.008	48.712	49.055	48.055	49.055	50.051	48.138
Average	55.093	50.960	52.254	51.986	51.856	51.645	51.500
Max	56.067	54.054	55.053	55.050	56.055	54.032	56.009
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000

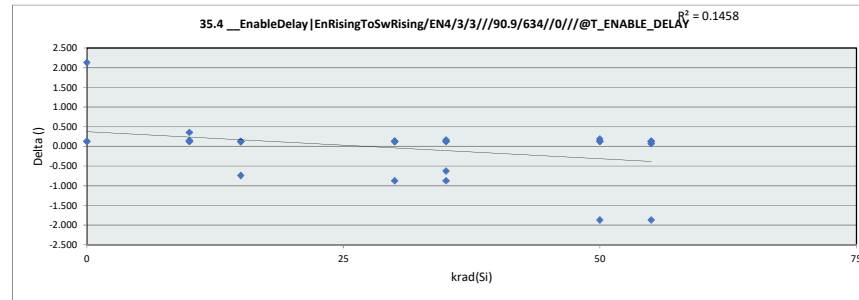


TID HDR Report

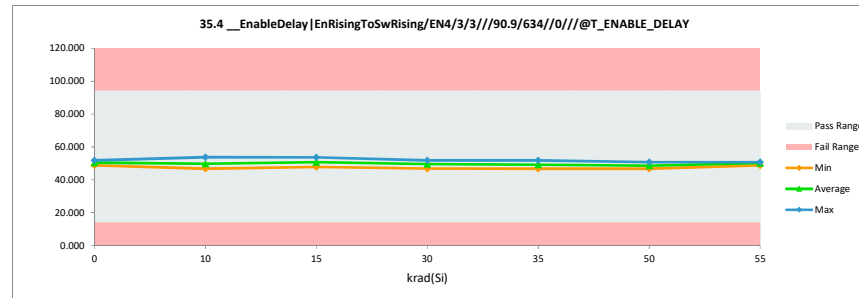
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

35.4 __EnableDelay EnRisingToSwRising/EN4/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	100	94		
Min Limit	-2	14		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	53.904	51.773	2.132
0	98	50.902	50.773	0.129
0	99	48.903	48.773	0.130
10	1	53.904	53.773	0.131
10	2	49.125	48.771	0.354
10	3	49.900	49.772	0.128
10	4	46.904	46.772	0.132
10	5	49.955	49.804	0.151
15	6	49.901	49.772	0.129
15	7	50.899	50.772	0.127
15	8	47.896	47.771	0.125
15	9	51.897	51.772	0.125
15	10	52.899	53.636	-0.737
30	11	51.895	51.770	0.125
30	12	48.898	48.770	0.128
30	13	48.900	49.772	-0.872
30	14	50.903	50.770	0.133
30	15	46.902	46.771	0.131
35	16	49.146	49.771	-0.625
35	17	48.899	49.771	-0.871
35	18	47.897	47.773	0.124
35	19	51.936	51.772	0.164
35	20	46.900	46.773	0.126
50	21	48.902	48.773	0.129
50	22	49.971	49.783	0.189
50	23	50.905	50.773	0.131
50	24	46.904	46.773	0.130
50	25	44.905	46.771	-1.867
55	26	50.902	50.772	0.129
55	27	48.904	48.772	0.131
55	28	49.905	49.835	0.070
55	29	48.904	50.774	-1.869
55	31	50.903	50.772	0.131
	Max	53.904	53.773	2.132
	Average	49.708	49.741	-0.033
	Min	44.905	46.771	-1.869
	Std Dev	2.054	1.870	0.673



35.4 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	94						
Min Limit	14						
krad(Si)	0	10	15	30	35	50	55
LL	14.000	14.000	14.000	14.000	14.000	14.000	14.000
Min	48.773	46.772	47.771	46.771	46.773	46.771	48.773
Average	50.440	49.778	50.744	49.571	49.172	48.575	50.185
Max	51.773	53.773	53.636	51.770	51.772	50.773	50.774
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000

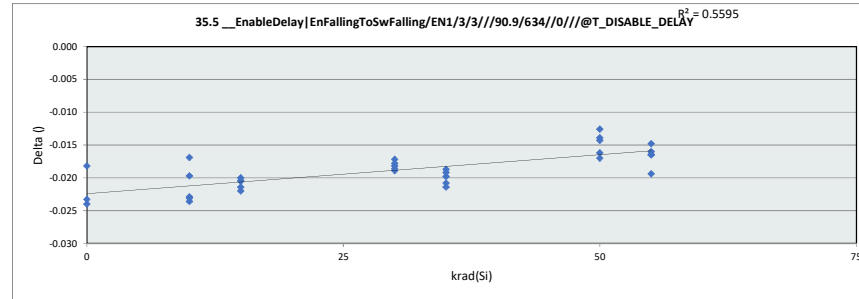


TID HDR Report

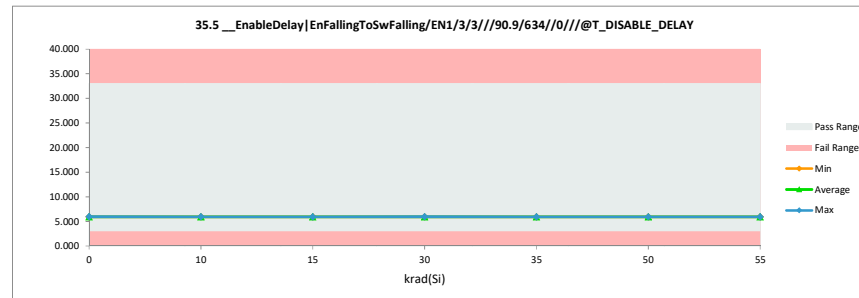
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

35.5 __EnableDelay EnFallingToSwFalling/EN1/3/3///90.9/634//0///@T_DISABLE_DELAY				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	35		33	
Min Limit	-3		3	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.923	5.941	-0.018
0	98	5.921	5.945	-0.024
0	99	5.920	5.943	-0.023
10	1	5.922	5.945	-0.023
10	2	5.923	5.946	-0.024
10	3	5.920	5.940	-0.020
10	4	5.920	5.937	-0.017
10	5	5.917	5.940	-0.023
15	6	5.919	5.941	-0.022
15	7	5.919	5.939	-0.020
15	8	5.920	5.940	-0.021
15	9	5.920	5.940	-0.020
15	10	5.919	5.941	-0.021
30	11	5.919	5.936	-0.017
30	12	5.920	5.938	-0.018
30	13	5.920	5.939	-0.019
30	14	5.927	5.946	-0.019
30	15	5.923	5.941	-0.018
35	16	5.920	5.939	-0.019
35	17	5.920	5.940	-0.020
35	18	5.920	5.938	-0.019
35	19	5.920	5.940	-0.021
35	20	5.922	5.944	-0.021
50	21	5.923	5.937	-0.014
50	22	5.922	5.938	-0.016
50	23	5.926	5.940	-0.014
50	24	5.925	5.938	-0.013
50	25	5.918	5.935	-0.017
55	26	5.922	5.939	-0.016
55	27	5.919	5.938	-0.019
55	28	5.922	5.938	-0.016
55	29	5.921	5.937	-0.016
55	31	5.923	5.937	-0.015
Max		5.927	5.946	-0.013
Average		5.921	5.940	-0.019
Min		5.917	5.935	-0.024
Std Dev		0.002	0.003	0.003



35.5 __EnableDelay EnFallingToSwFalling/EN1/3/3///90.9/634//0///@T_DISABLE_DELAY							
Test Site							
Tester							
Test Number							
Max Limit	33						
Min Limit	3						
krad(Si)	0	10	15	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000	3.000	3.000
Min	5.941	5.937	5.939	5.936	5.938	5.935	5.937
Average	5.943	5.942	5.940	5.940	5.940	5.938	5.938
Max	5.945	5.946	5.941	5.946	5.944	5.940	5.939
UL	33.000	33.000	33.000	33.000	33.000	33.000	33.000

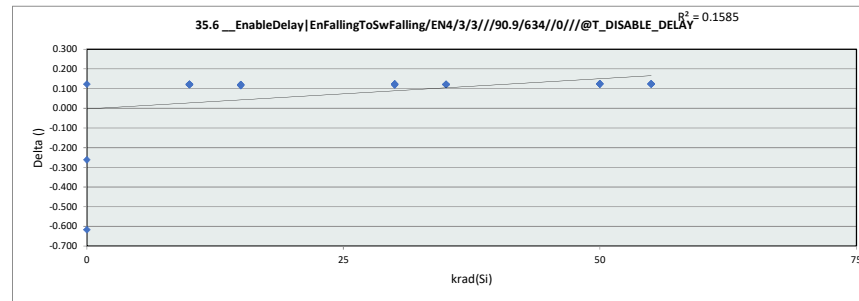


TID HDR Report

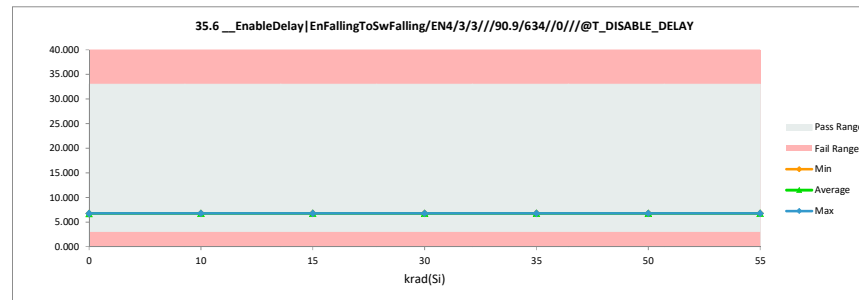
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

35.6 __EnableDelay EnFallingToSwFalling/EN4				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	35	33		
Min Limit	-3	3		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.878	6.756	0.122
0	98	6.495	6.756	-0.262
0	99	6.139	6.756	-0.617
10	1	6.880	6.758	0.122
10	2	6.882	6.762	0.120
10	3	6.878	6.759	0.119
10	4	6.881	6.759	0.122
10	5	6.880	6.760	0.121
15	6	6.878	6.759	0.119
15	7	6.879	6.759	0.120
15	8	6.877	6.761	0.117
15	9	6.878	6.758	0.120
15	10	6.878	6.763	0.115
30	11	6.880	6.762	0.118
30	12	6.881	6.761	0.120
30	13	6.883	6.759	0.124
30	14	6.886	6.763	0.123
30	15	6.883	6.760	0.123
35	16	6.879	6.758	0.121
35	17	6.879	6.758	0.121
35	18	6.879	6.759	0.120
35	19	6.881	6.759	0.122
35	20	6.881	6.760	0.121
50	21	6.884	6.760	0.124
50	22	6.883	6.760	0.123
50	23	6.887	6.762	0.125
50	24	6.883	6.760	0.123
50	25	6.885	6.762	0.123
55	26	6.883	6.759	0.123
55	27	6.886	6.763	0.123
55	28	6.884	6.760	0.124
55	29	6.884	6.760	0.124
55	31	6.883	6.761	0.122
Max		6.887	6.763	0.125
Average		6.847	6.760	0.087
Min		6.139	6.756	-0.617
Std Dev		0.144	0.002	0.143



35.6 __EnableDelay EnFallingToSwFalling/EN4/3/3///90.9/634/0///@T_DISABLE_DELAY							
Test Site							
Tester							
Test Number							
Max Limit	33						
Min Limit	3						
krad(Si)	0	10	15	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000	3.000	3.000
Min	6.756	6.758	6.758	6.759	6.758	6.760	6.759
Average	6.756	6.759	6.760	6.761	6.759	6.761	6.761
Max	6.756	6.762	6.763	6.763	6.760	6.763	6.763
UL	33.000	33.000	33.000	33.000	33.000	33.000	33.000

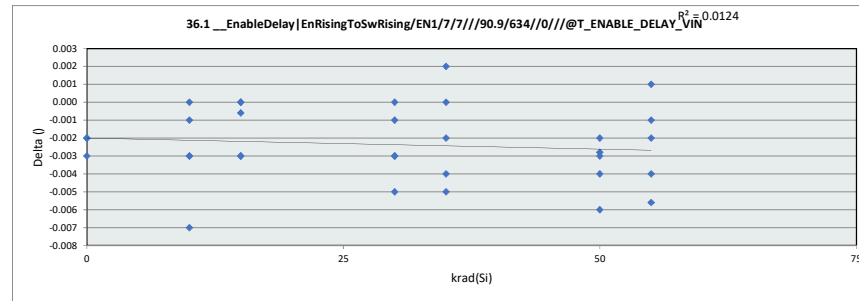


TID HDR Report

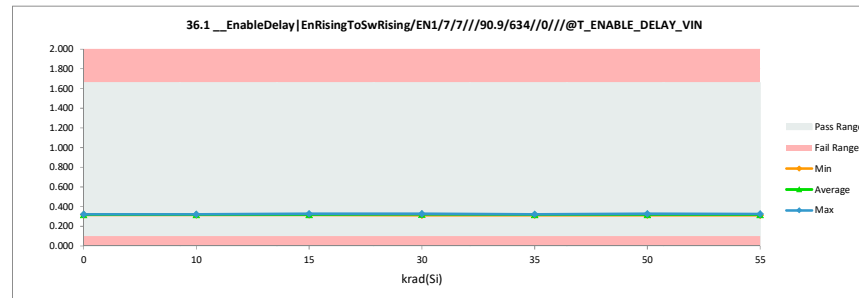
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

36.1 __EnableDelay EnRisingToSwRising/EN1/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.7	1.66		
Min Limit	-0.212	0.1		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.320	0.323	-0.003
0	98	0.316	0.318	-0.002
0	99	0.315	0.317	-0.002
10	1	0.317	0.320	-0.003
10	2	0.315	0.318	-0.003
10	3	0.322	0.322	0.000
10	4	0.315	0.316	-0.001
10	5	0.313	0.320	-0.007
15	6	0.315	0.315	-0.001
15	7	0.327	0.327	0.000
15	8	0.315	0.318	-0.003
15	9	0.321	0.321	0.000
15	10	0.323	0.326	-0.003
30	11	0.320	0.323	-0.003
30	12	0.312	0.315	-0.003
30	13	0.318	0.319	-0.001
30	14	0.322	0.327	-0.005
30	15	0.327	0.327	0.000
35	16	0.316	0.321	-0.005
35	17	0.310	0.312	-0.002
35	18	0.315	0.319	-0.004
35	19	0.324	0.322	0.002
35	20	0.320	0.320	0.000
50	21	0.321	0.324	-0.003
50	22	0.314	0.316	-0.002
50	23	0.323	0.327	-0.004
50	24	0.318	0.324	-0.006
50	25	0.311	0.314	-0.003
55	26	0.319	0.321	-0.002
55	27	0.316	0.320	-0.004
55	28	0.314	0.313	0.001
55	29	0.324	0.325	-0.001
55	31	0.314	0.319	-0.006
Max		0.327	0.327	0.002
Average		0.318	0.320	-0.002
Min		0.310	0.312	-0.007
Std Dev		0.004	0.004	0.002



36.1 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	1.66						
Min Limit	0.1						
krad(Si)	0	10	15	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Min	0.317	0.316	0.316	0.315	0.312	0.314	0.313
Average	0.319	0.319	0.321	0.322	0.319	0.321	0.320
Max	0.323	0.322	0.327	0.327	0.322	0.327	0.325
UL	1.660	1.660	1.660	1.660	1.660	1.660	1.660

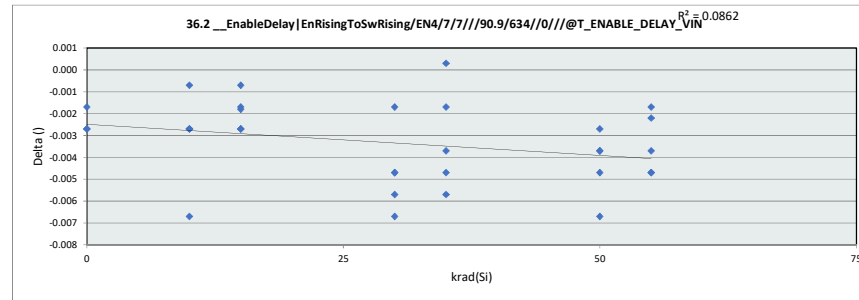


TID HDR Report

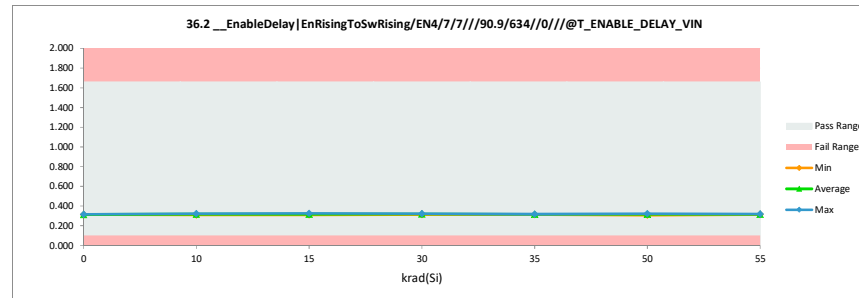
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

36.2 __EnableDelay EnRisingToSwRising/EN4/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.7		1.66	
Min Limit	-0.212		0.1	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.314	0.317	-0.003
0	98	0.312	0.315	-0.003
0	99	0.311	0.313	-0.002
10	1	0.320	0.322	-0.003
10	2	0.309	0.312	-0.003
10	3	0.320	0.322	-0.003
10	4	0.309	0.310	-0.001
10	5	0.312	0.319	-0.007
15	6	0.314	0.315	-0.002
15	7	0.323	0.326	-0.003
15	8	0.311	0.312	-0.001
15	9	0.318	0.319	-0.002
15	10	0.317	0.319	-0.003
30	11	0.316	0.322	-0.006
30	12	0.309	0.313	-0.005
30	13	0.310	0.315	-0.005
30	14	0.316	0.322	-0.007
30	15	0.321	0.322	-0.002
35	16	0.312	0.317	-0.005
35	17	0.309	0.313	-0.004
35	18	0.309	0.315	-0.006
35	19	0.318	0.317	0.000
35	20	0.314	0.315	-0.002
50	21	0.315	0.317	-0.003
50	22	0.310	0.315	-0.005
50	23	0.319	0.322	-0.004
50	24	0.313	0.319	-0.007
50	25	0.304	0.308	-0.004
55	26	0.315	0.317	-0.002
55	27	0.312	0.315	-0.004
55	28	0.312	0.313	-0.002
55	29	0.314	0.319	-0.005
55	31	0.311	0.315	-0.005
Max		0.323	0.326	0.000
Average		0.313	0.317	-0.003
Min		0.304	0.308	-0.007
Std Dev		0.004	0.004	0.002



36.2 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	1.66						
Min Limit	0.1						
krad(Si)	0	10	15	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100	0.100	0.100
Min	0.313	0.310	0.312	0.314	0.313	0.308	0.314
Average	0.315	0.317	0.318	0.319	0.315	0.316	0.316
Max	0.317	0.323	0.326	0.323	0.318	0.323	0.319
UL	1.660	1.660	1.660	1.660	1.660	1.660	1.660

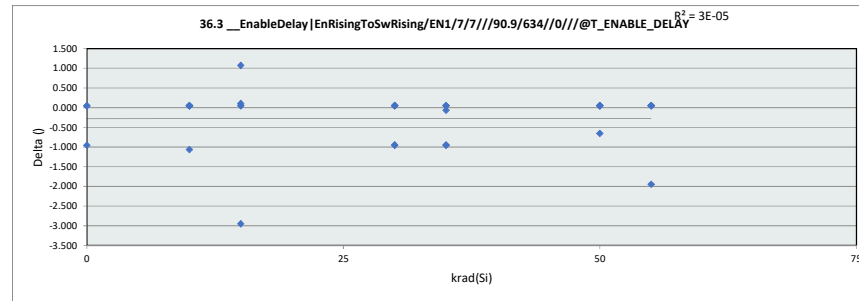


TID HDR Report

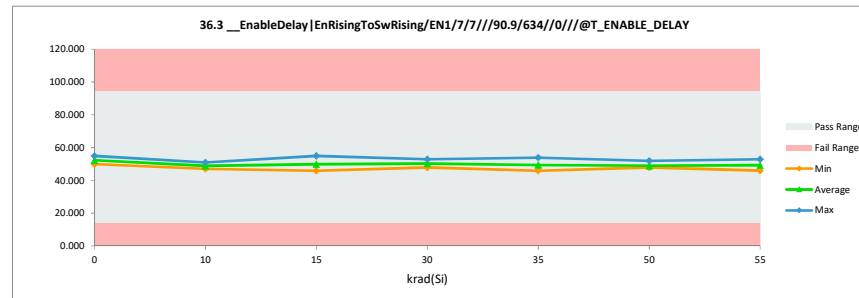
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

36.3 __EnableDelay EnRisingToSwRising/EN1/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	100	94		
Min Limit	-2	14		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	54.936	54.889	0.047
0	98	50.935	51.889	-0.954
0	99	49.934	49.889	0.045
10	1	49.934	49.888	0.046
10	2	50.934	50.890	0.044
10	3	45.934	46.999	-1.065
10	4	48.935	48.885	0.050
10	5	47.934	47.889	0.045
15	6	45.936	45.889	0.048
15	7	49.945	49.889	0.055
15	8	48.993	48.888	0.105
15	9	50.957	49.887	1.070
15	10	51.936	54.888	-2.952
30	11	50.936	50.886	0.050
30	12	46.936	47.889	-0.953
30	13	50.934	50.887	0.047
30	14	51.936	52.888	-0.952
30	15	48.937	48.887	0.050
35	16	47.936	48.887	-0.951
35	17	45.937	45.888	0.049
35	18	49.049	48.999	0.050
35	19	52.936	53.887	-0.951
35	20	48.936	49.001	-0.065
50	21	51.235	51.889	-0.654
50	22	48.048	48.001	0.046
50	23	47.936	47.887	0.049
50	24	47.936	47.885	0.051
50	25	48.937	48.887	0.050
55	26	49.937	49.885	0.052
55	27	47.939	49.885	-1.945
55	28	46.049	46.000	0.049
55	29	52.938	52.886	0.052
55	31	47.936	47.887	0.049
Max		54.936	54.889	1.070
Average		49.412	49.692	-0.280
Min		45.934	45.888	-2.952
Std Dev		2.194	2.367	0.733



36.3 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	94						
Min Limit	14						
krad(Si)	0	10	15	30	35	50	55
LL	14.000	14.000	14.000	14.000	14.000	14.000	14.000
Min	49.889	46.999	45.889	47.889	45.888	47.885	46.000
Average	52.222	48.910	49.888	50.288	49.333	48.910	49.309
Max	54.889	50.890	54.888	52.888	53.887	51.889	52.886
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000

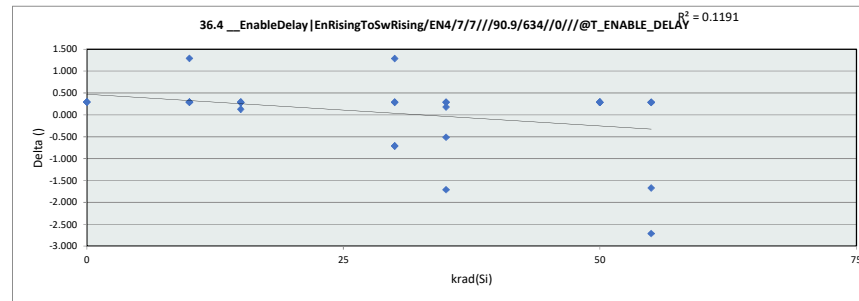


TID HDR Report

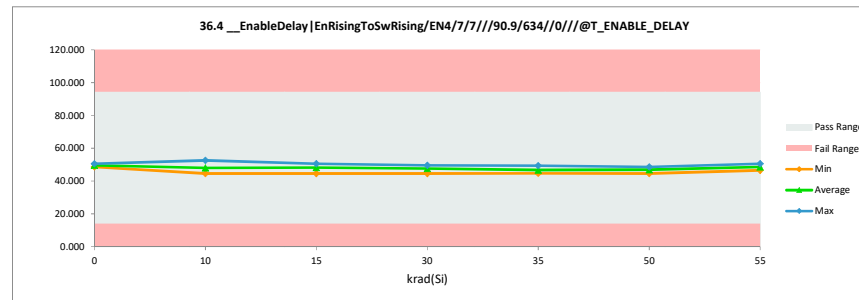
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

36.4 __EnableDelay EnRisingToSwRising/EN4/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	100	94		
Min Limit	-2	14		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	50.859	50.567	0.292
0	98	49.859	49.567	0.292
0	99	48.861	48.567	0.294
10	1	52.860	52.568	0.292
10	2	46.857	46.567	0.290
10	3	48.859	47.569	1.289
10	4	44.860	44.570	0.289
10	5	48.860	48.567	0.293
15	6	46.861	46.573	0.289
15	7	50.700	50.571	0.129
15	8	44.857	44.570	0.287
15	9	48.858	48.570	0.288
15	10	50.858	50.579	0.279
30	11	48.857	49.566	-0.708
30	12	47.859	48.573	-0.714
30	13	46.858	46.573	0.285
30	14	49.860	48.573	1.287
30	15	44.861	44.571	0.290
35	16	46.860	46.570	0.290
35	17	46.860	46.571	0.289
35	18	44.858	46.570	-1.712
35	19	48.860	49.373	-0.513
35	20	44.860	44.683	0.177
50	21	46.861	46.575	0.286
50	22	48.861	48.575	0.286
50	23	48.861	48.575	0.286
50	24	46.863	46.575	0.288
50	25	44.861	44.575	0.286
55	26	48.861	48.574	0.287
55	27	45.860	48.575	-2.715
55	28	46.861	46.576	0.284
55	29	48.861	48.576	0.285
55	31	48.860	50.531	-1.671
Max		52.860	52.568	1.289
Average		47.885	47.840	0.045
Min		44.857	44.570	-2.715
Std Dev		2.062	2.038	0.782



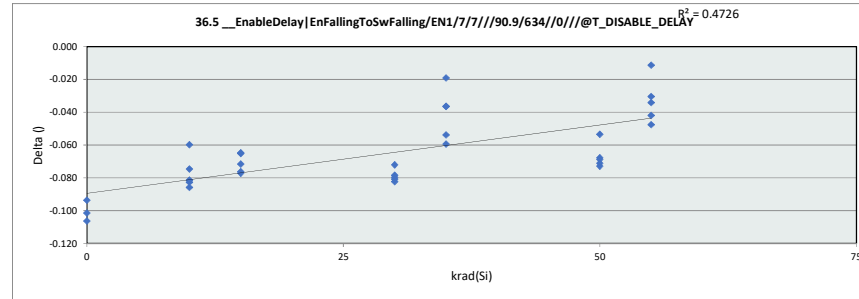
36.4 __EnableDelay EnRisingT							
Test Site							
Tester							
Test Number							
Max Limit	94						
Min Limit	14						
krad(Si)	0	10	15	30	35	50	55
LL	14.000	14.000	14.000	14.000	14.000	14.000	14.000
Min	48.567	44.571	44.571	44.572	44.683	44.575	46.576
Average	49.567	47.968	48.173	47.571	46.753	46.975	48.566
Max	50.567	52.568	50.579	49.566	49.373	48.575	50.531
UL	94.000	94.000	94.000	94.000	94.000	94.000	94.000



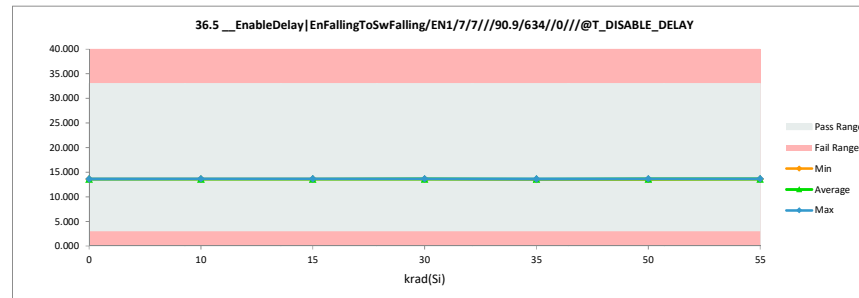
TID HDR Report TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

36.5 __EnableDelay EnFallingToSwFalling/EN1				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	35		33	
Min Limit	-3		3	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	13.489	13.595	-0.106
0	98	13.485	13.586	-0.101
0	99	13.548	13.642	-0.094
10	1	13.533	13.593	-0.060
10	2	13.521	13.595	-0.075
10	3	13.512	13.598	-0.086
10	4	13.512	13.595	-0.083
10	5	13.585	13.666	-0.081
15	6	13.550	13.615	-0.065
15	7	13.520	13.585	-0.065
15	8	13.505	13.581	-0.076
15	9	13.577	13.654	-0.077
15	10	13.533	13.604	-0.072
30	11	13.601	13.673	-0.072
30	12	13.578	13.657	-0.078
30	13	13.573	13.654	-0.081
30	14	13.530	13.612	-0.082
30	15	13.505	13.585	-0.080
35	16	13.501	13.537	-0.036
35	17	13.581	13.600	-0.019
35	18	13.578	13.632	-0.054
35	19	13.558	13.617	-0.059
35	20	13.566	13.602	-0.036
50	21	13.538	13.606	-0.068
50	22	13.593	13.647	-0.054
50	23	13.571	13.642	-0.071
50	24	13.506	13.575	-0.069
50	25	13.597	13.670	-0.073
55	26	13.547	13.589	-0.042
55	27	13.643	13.654	-0.011
55	28	13.572	13.619	-0.048
55	29	13.574	13.609	-0.034
55	31	13.568	13.599	-0.031
Max		13.643	13.673	-0.011
Average		13.550	13.615	-0.065
Min		13.485	13.537	-0.106
Std Dev		0.037	0.032	0.023



36.5 __EnableDelay EnFallingToSwFalling/EN1							
Test Site							
Tester							
Test Number							
Max Limit	33						
Min Limit	3						
krad(Si)	0	10	15	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000	3.000	3.000
Min	13.586	13.593	13.581	13.585	13.537	13.575	13.589
Average	13.608	13.609	13.608	13.636	13.598	13.628	13.614
Max	13.642	13.666	13.654	13.673	13.632	13.670	13.654
UL	33.000	33.000	33.000	33.000	33.000	33.000	33.000



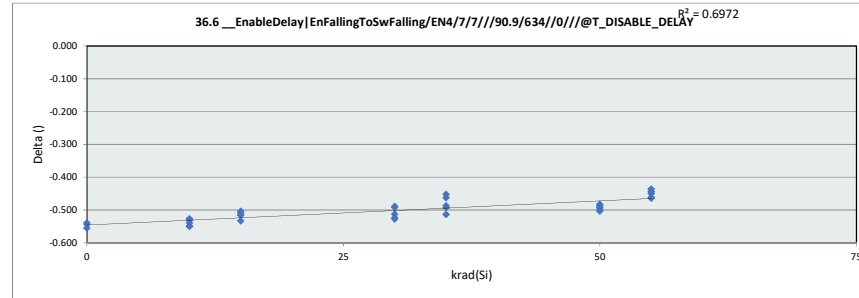
TID HDR Report

TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

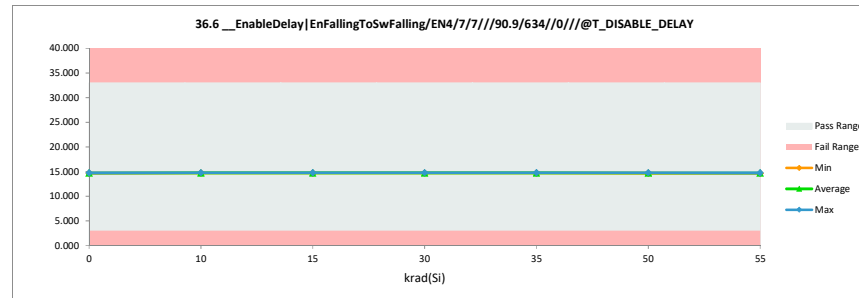
36.6 __EnableDelay EnFallingToSwFalling/EN4		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	35	33
Min Limit	-3	3

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	14.169	14.724	-0.555
0	98	14.122	14.665	-0.543
0	99	14.136	14.675	-0.539
10	1	14.179	14.727	-0.548
10	2	14.188	14.715	-0.527
10	3	14.184	14.713	-0.530
10	4	14.240	14.779	-0.539
10	5	14.218	14.768	-0.550
15	6	14.229	14.762	-0.533
15	7	14.218	14.731	-0.513
15	8	14.236	14.752	-0.516
15	9	14.227	14.733	-0.506
15	10	14.207	14.711	-0.504
30	11	14.274	14.765	-0.491
30	12	14.239	14.766	-0.527
30	13	14.196	14.685	-0.489
30	14	14.217	14.741	-0.523
30	15	14.189	14.702	-0.513
35	16	14.206	14.719	-0.513
35	17	14.251	14.702	-0.452
35	18	14.232	14.695	-0.463
35	19	14.274	14.767	-0.492
35	20	14.251	14.738	-0.487
50	21	14.239	14.722	-0.483
50	22	14.187	14.675	-0.487
50	23	14.189	14.682	-0.493
50	24	14.216	14.719	-0.503
50	25	14.256	14.754	-0.498
55	26	14.197	14.640	-0.444
55	27	14.300	14.736	-0.436
55	28	14.221	14.682	-0.462
55	29	14.237	14.686	-0.450
55	31	14.224	14.688	-0.464
Max		14.300	14.779	-0.436
Average		14.217	14.719	-0.502
Min		14.122	14.640	-0.555
Std Dev		0.037	0.035	0.033



36.6 __EnableDelay EnFallingToSwFalling/EN4/7/7///90.9/634/0///@T_DISABLE_DELAY		
Test Site		
Tester		
Test Number		
Max Limit	33	
Min Limit	3	

krad(Si)	0	10	15	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000	3.000	3.000
Min	14.665	14.713	14.711	14.685	14.695	14.675	14.640
Average	14.688	14.740	14.738	14.732	14.724	14.710	14.687
Max	14.724	14.779	14.762	14.766	14.767	14.754	14.736
UL	33.000	33.000	33.000	33.000	33.000	33.000	33.000

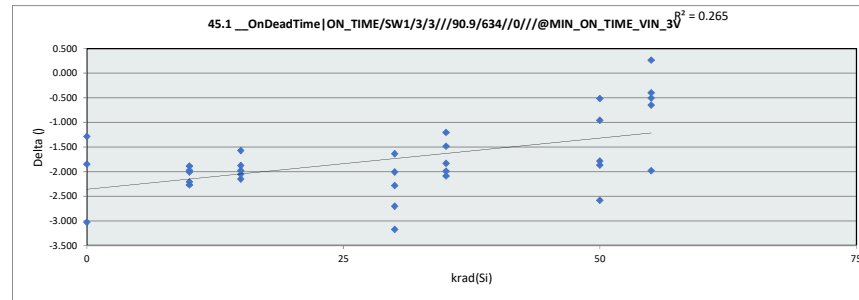


TID HDR Report

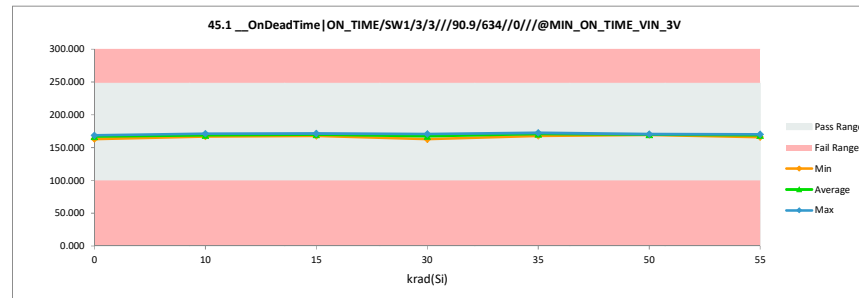
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

45.1 __OnDeadTime ON_TIME/SW1/3/3//90.9/634//0//@MIN_ON_TIME_VIN_3V				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	260	248		
Min Limit	70.4	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	166.757	168.605	-1.848
0	98	165.518	168.546	-3.029
0	99	161.857	163.143	-1.286
10	1	165.162	167.049	-1.887
10	2	164.833	167.102	-2.269
10	3	169.222	171.228	-2.006
10	4	167.495	169.703	-2.208
10	5	167.521	169.497	-1.976
15	6	168.526	170.404	-1.878
15	7	168.454	170.605	-2.151
15	8	169.332	171.311	-1.979
15	9	167.341	169.395	-2.054
15	10	166.256	167.827	-1.571
30	11	168.311	170.595	-2.284
30	12	164.613	167.315	-2.701
30	13	166.225	167.862	-1.637
30	14	159.553	162.727	-3.174
30	15	166.635	168.642	-2.008
35	16	170.901	172.386	-1.484
35	17	168.082	170.072	-1.990
35	18	171.034	172.240	-1.206
35	19	169.370	171.457	-2.087
35	20	165.883	167.714	-1.831
50	21	167.962	170.544	-2.582
50	22	168.161	170.030	-1.869
50	23	167.515	169.300	-1.785
50	24	169.152	170.110	-0.958
50	25	168.634	169.151	-0.517
55	26	167.812	168.461	-0.650
55	27	164.130	166.111	-1.982
55	28	170.573	170.309	0.264
55	29	169.294	169.693	-0.399
55	31	168.266	168.771	-0.505
Max		171.034	172.386	0.264
Average		167.284	169.027	-1.743
Min		159.553	162.727	-3.174
Std Dev		2.447	2.178	0.754



45.1 __OnDeadTime ON_TIME							
Test Site							
Tester							
Test Number							
Max Limit	248						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	163.143	167.049	167.828	162.727	167.714	169.151	166.111
Average	166.765	168.916	169.908	167.428	170.774	169.827	168.669
Max	168.605	171.228	171.311	170.595	172.386	170.544	170.309
UL	248.000	248.000	248.000	248.000	248.000	248.000	248.000

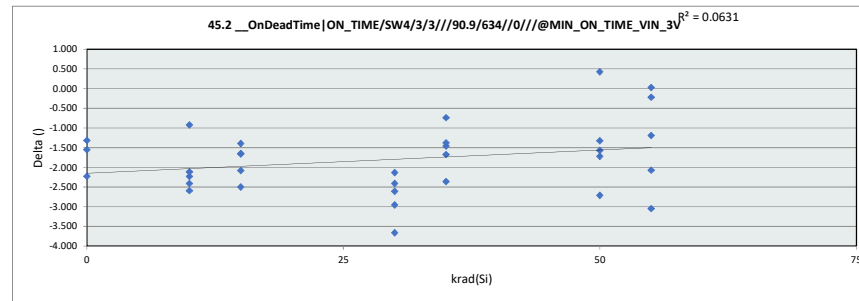


TID HDR Report

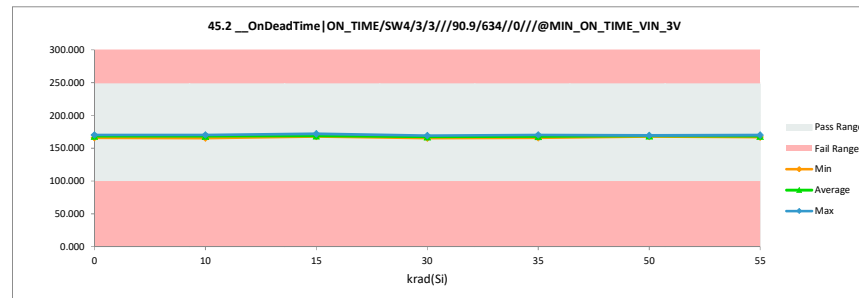
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

45.2 __OnDeadTime ON_TIME/SW4/3/3///90.9/634//0///@MIN_ON_TIME_VIN_3V				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	260	248		
Min Limit	70.4	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	168.698	170.251	-1.553
0	98	166.799	169.027	-2.227
0	99	164.833	166.151	-1.318
10	1	165.353	167.585	-2.232
10	2	164.401	165.324	-0.923
10	3	165.817	168.410	-2.593
10	4	167.461	169.575	-2.114
10	5	167.877	170.286	-2.409
15	6	166.401	168.480	-2.079
15	7	165.418	167.917	-2.499
15	8	166.705	168.101	-1.396
15	9	166.957	168.606	-1.649
15	10	170.302	171.959	-1.658
30	11	166.841	169.250	-2.410
30	12	165.317	168.979	-3.662
30	13	163.221	165.831	-2.610
30	14	163.387	165.521	-2.134
30	15	164.253	167.206	-2.953
35	16	168.192	169.867	-1.675
35	17	164.434	165.812	-1.378
35	18	167.129	167.871	-0.742
35	19	168.702	170.160	-1.458
35	20	164.448	166.810	-2.362
50	21	167.243	168.963	-1.720
50	22	167.876	169.447	-1.571
50	23	165.116	167.826	-2.710
50	24	167.662	168.990	-1.328
50	25	169.053	168.627	0.426
55	26	167.508	169.581	-2.073
55	27	164.031	167.078	-3.047
55	28	167.920	167.893	0.027
55	29	167.047	167.270	-0.223
55	31	168.831	170.021	-1.190
Max		170.302	171.959	0.426
Average		166.522	168.323	-1.801
Min		163.221	165.324	-3.662
Std Dev		1.796	1.565	0.882



45.2 __OnDeadTime ON_TIME							
Test Site							
Tester							
Test Number							
Max Limit	248						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	166.151	165.324	167.917	165.521	165.812	167.826	167.078
Average	168.476	168.236	169.013	167.358	168.104	168.771	168.369
Max	170.251	170.286	171.959	169.250	170.160	169.447	170.021
UL	248.000	248.000	248.000	248.000	248.000	248.000	248.000

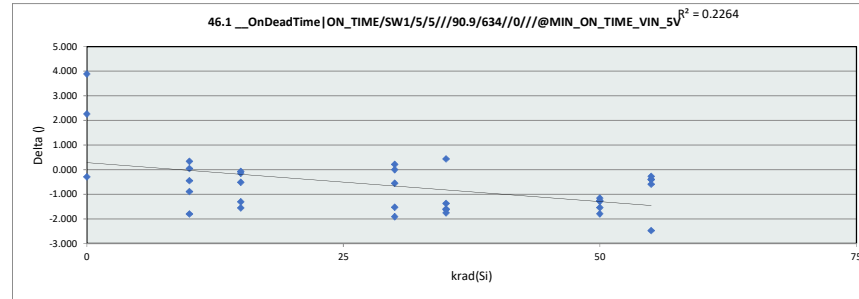


TID HDR Report

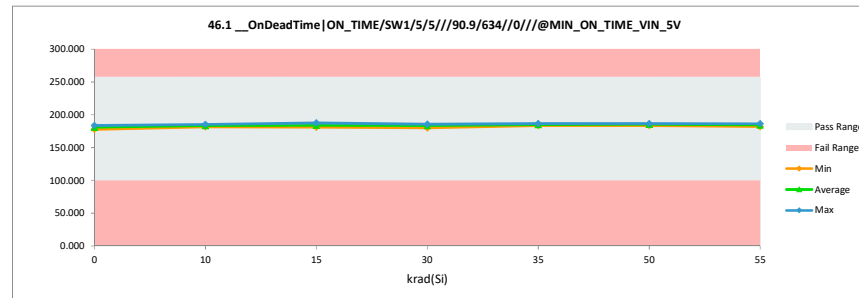
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

46.1 __OnDeadTime ON_TIME SW1/5/5///90.9/634//0///@MIN_ON_TIME_VIN_5V				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	270	257		
Min Limit	68.6	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	181.354	181.645	-0.292
0	98	187.452	183.568	3.885
0	99	180.003	177.744	2.259
10	1	182.145	182.596	-0.451
10	2	183.560	183.222	0.339
10	3	183.551	185.354	-1.803
10	4	183.719	183.678	0.042
10	5	180.777	181.668	-0.891
15	6	183.642	184.159	-0.517
15	7	187.453	187.524	-0.071
15	8	183.135	184.441	-1.306
15	9	180.248	181.801	-1.554
15	10	181.027	181.170	-0.143
30	11	182.557	184.466	-1.909
30	12	185.471	185.471	0.001
30	13	183.656	184.208	-0.552
30	14	180.226	180.013	0.213
30	15	182.710	184.242	-1.531
35	16	185.255	186.626	-1.371
35	17	181.907	183.523	-1.616
35	18	185.687	185.253	0.434
35	19	183.107	184.708	-1.601
35	20	183.306	185.063	-1.757
50	21	183.577	185.119	-1.542
50	22	183.471	185.265	-1.794
50	23	185.093	186.254	-1.161
50	24	185.326	186.613	-1.287
50	25	182.023	183.280	-1.257
55	26	183.698	184.096	-0.397
55	27	181.487	181.890	-0.403
55	28	184.672	184.949	-0.277
55	29	183.847	186.325	-2.479
55	31	184.521	185.114	-0.593
	Max	187.453	187.524	3.885
	Average	183.323	183.971	-0.648
	Min	180.003	177.744	-2.479
	Std Dev	1.893	2.064	1.237



46.1 __OnDeadTime ON_TIME							
Test Site							
Tester							
Test Number							
Max Limit	257						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	177.744	181.668	181.170	180.013	183.523	183.280	181.890
Average	180.986	183.303	183.819	183.680	185.035	185.306	184.475
Max	183.568	185.354	187.524	185.471	186.626	186.613	186.325
UL	257.000	257.000	257.000	257.000	257.000	257.000	257.000

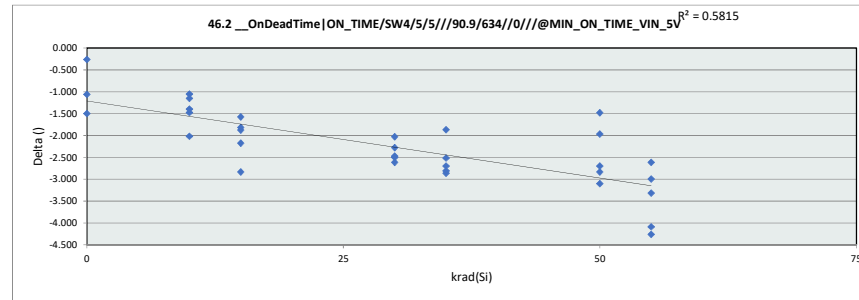


TID HDR Report

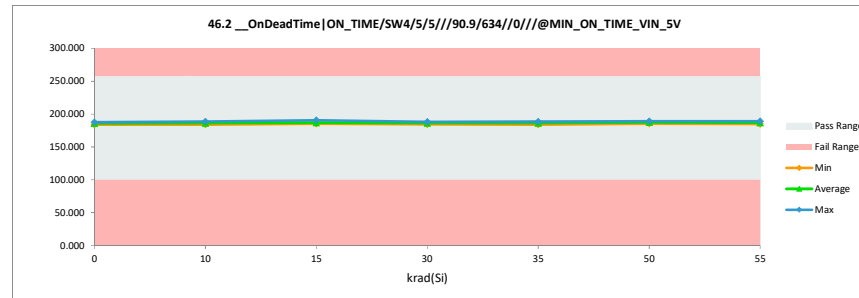
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

46.2 __OnDeadTime ON_TIME/SW4/5/5//90.9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	270	257		
Min Limit	68.6	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	185.911	187.411	-1.500
0	98	185.821	186.083	-0.262
0	99	182.699	183.760	-1.061
10	1	183.845	185.241	-1.396
10	2	182.954	184.007	-1.052
10	3	184.459	186.475	-2.017
10	4	186.854	188.331	-1.477
10	5	187.647	188.799	-1.152
15	6	183.970	185.544	-1.574
15	7	183.031	185.864	-2.833
15	8	183.527	185.702	-2.175
15	9	184.947	186.763	-1.816
15	10	188.756	190.631	-1.875
30	11	186.122	188.152	-2.030
30	12	185.232	187.508	-2.276
30	13	182.091	184.706	-2.615
30	14	183.594	186.067	-2.473
30	15	182.003	184.503	-2.500
35	16	185.686	188.384	-2.698
35	17	182.202	184.070	-1.868
35	18	182.916	185.433	-2.517
35	19	185.429	188.238	-2.809
35	20	183.128	185.993	-2.865
50	21	184.996	187.831	-2.835
50	22	186.557	189.254	-2.697
50	23	184.322	187.424	-3.102
50	24	185.587	187.554	-1.967
50	25	183.926	185.408	-1.482
55	26	182.577	186.837	-4.260
55	27	181.688	185.004	-3.315
55	28	182.914	187.004	-4.090
55	29	182.889	185.883	-2.993
55	31	186.484	189.097	-2.613
Max		188.756	190.631	-0.262
Average		184.387	186.635	-2.248
Min		181.688	183.760	-4.260
Std Dev		1.778	1.683	0.860



46.2 __OnDeadTime ON_TIME							
Test Site							
Tester							
Test Number							
Max Limit	257						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	183.760	184.007	185.544	184.503	184.070	185.408	185.004
Average	185.751	186.571	186.901	186.187	186.423	187.494	186.765
Max	187.411	188.799	190.631	188.152	188.384	189.254	189.097
UL	257.000	257.000	257.000	257.000	257.000	257.000	257.000

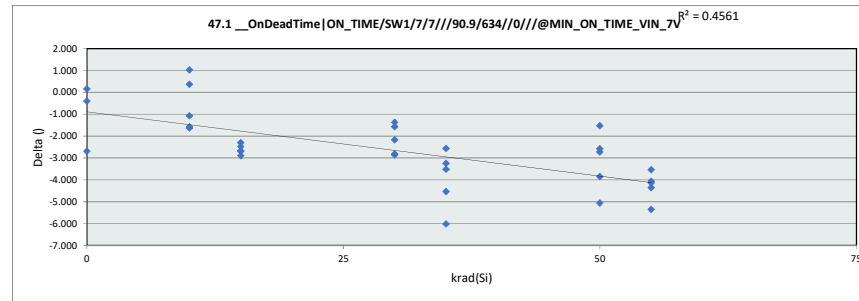


TID HDR Report

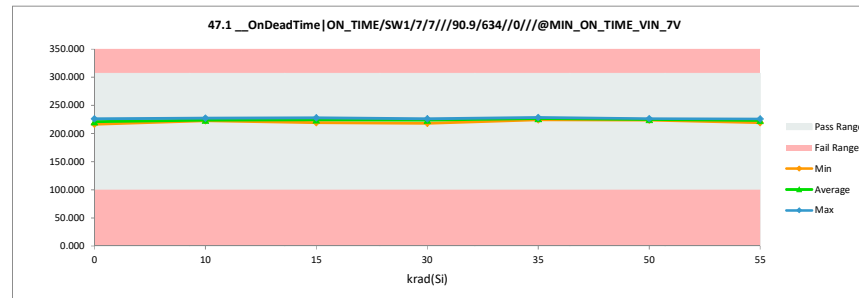
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

47.1 __OnDeadTime ON_TIME/SW1/7/7///90.9/634//0///@MIN_ON_TIME_VIN_7V				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	320	307		
Min Limit	58.6	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	219.768	220.171	-0.403
0	98	223.458	226.149	-2.691
0	99	216.664	216.510	0.154
10	1	222.271	223.343	-1.072
10	2	221.967	223.599	-1.632
10	3	227.563	227.198	0.364
10	4	221.895	223.477	-1.581
10	5	223.336	222.313	1.024
15	6	223.763	226.065	-2.302
15	7	225.450	227.935	-2.485
15	8	223.462	226.152	-2.690
15	9	219.344	222.027	-2.682
15	10	216.314	219.211	-2.897
30	11	224.813	226.184	-1.372
30	12	221.900	224.072	-2.172
30	13	222.996	224.569	-1.573
30	14	215.376	218.192	-2.815
30	15	222.211	225.071	-2.860
35	16	224.930	228.448	-3.518
35	17	218.060	224.080	-6.020
35	18	225.721	228.285	-2.564
35	19	221.876	226.411	-4.534
35	20	221.066	224.311	-3.245
50	21	221.507	226.566	-5.059
50	22	221.026	223.607	-2.581
50	23	224.068	225.596	-1.528
50	24	221.376	224.102	-2.725
50	25	220.951	224.803	-3.852
55	26	218.572	222.932	-4.360
55	27	213.908	219.262	-5.354
55	28	221.686	225.827	-4.140
55	29	220.264	224.330	-4.066
55	31	220.976	224.518	-3.542
Max		227.563	228.448	1.024
Average		221.471	224.100	-2.629
Min		213.908	216.510	-6.020
Std Dev		3.040	2.859	1.613



47.1 __OnDeadTime ON_TIME							
Test Site							
Tester							
Test Number							
Max Limit	307						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	216.511	222.313	219.211	218.192	224.080	223.607	219.262
Average	220.943	223.986	224.278	223.618	226.307	224.934	223.374
Max	226.149	227.198	227.935	226.184	228.448	226.566	225.827
UL	307.000	307.000	307.000	307.000	307.000	307.000	307.000

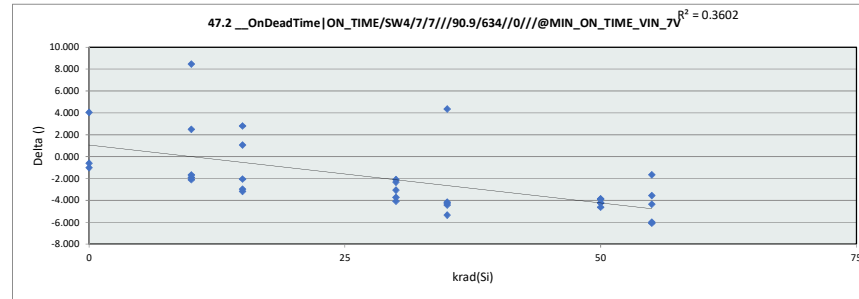


TID HDR Report

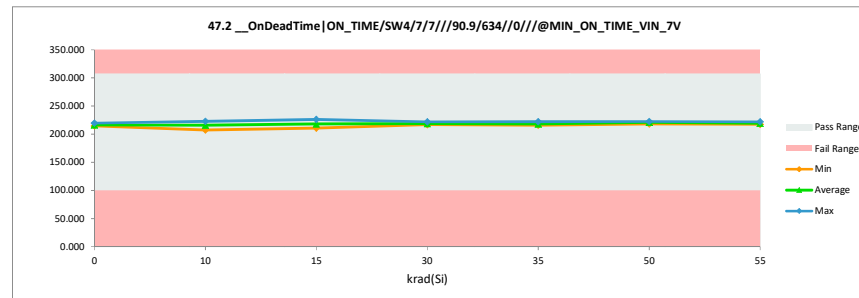
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

47.2 __OnDeadTime ON_TIME/SW4/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	320	307		
Min Limit	58.6	100		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	218.656	214.617	4.039
0	98	218.625	219.640	-1.014
0	99	213.949	214.555	-0.605
10	1	215.897	207.440	8.457
10	2	213.043	210.553	2.490
10	3	215.977	217.657	-1.679
10	4	219.071	220.987	-1.916
10	5	220.689	222.806	-2.117
15	6	213.607	210.817	2.790
15	7	216.179	215.115	1.064
15	8	215.137	218.113	-2.976
15	9	217.341	220.530	-3.189
15	10	224.071	226.126	-2.055
30	11	218.938	222.001	-3.063
30	12	217.898	220.003	-2.105
30	13	212.929	217.004	-4.075
30	14	215.285	217.618	-2.333
30	15	213.068	216.791	-3.724
35	16	217.885	222.144	-4.259
35	17	212.602	217.034	-4.432
35	18	212.691	216.855	-4.164
35	19	220.048	215.707	4.341
35	20	213.101	218.448	-5.347
50	21	216.286	220.528	-4.242
50	22	218.102	222.327	-4.224
50	23	217.792	222.416	-4.624
50	24	217.272	221.179	-3.907
50	25	213.936	217.797	-3.860
55	26	213.818	219.805	-5.987
55	27	213.684	217.245	-3.562
55	28	213.186	219.279	-6.093
55	29	215.842	217.510	-1.668
55	31	217.558	221.913	-4.355
Max		224.071	226.126	8.457
Average		216.187	218.259	-2.073
Min		212.602	207.440	-6.093
Std Dev		2.774	3.867	3.278



47.2 __OnDeadTime ON_TIME							
Test Site							
Tester							
Test Number							
Max Limit	307						
Min Limit	100						
krad(Si)	0	10	15	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000	100.000	100.000
Min	214.555	207.440	210.817	216.791	215.707	217.797	217.245
Average	216.271	215.889	218.140	218.684	218.038	220.849	219.151
Max	219.640	222.806	226.126	222.001	222.144	222.416	221.914
UL	307.000	307.000	307.000	307.000	307.000	307.000	307.000

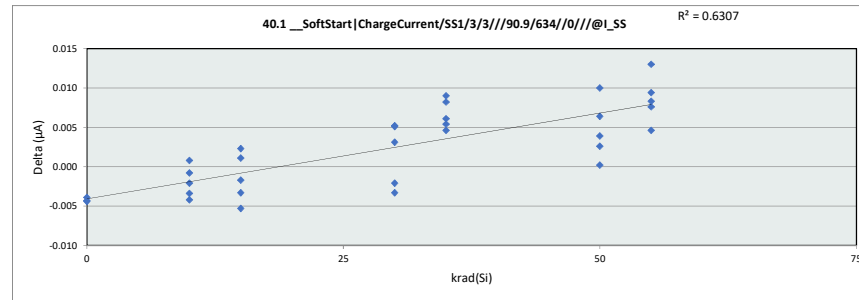


TID HDR Report

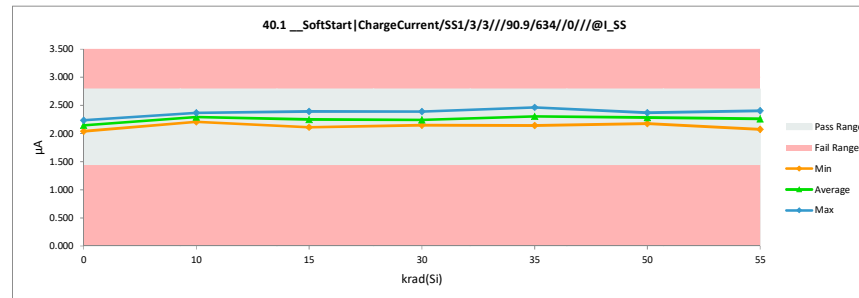
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.1 __SoftStart ChargeCurrent/SS1/3/3///90.9/634/0///@_I_SS				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.79	
Min Limit		1.4	1.44	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.036	2.040	-0.004
0	98	2.159	2.163	-0.004
0	99	2.230	2.234	-0.004
10	1	2.241	2.245	-0.004
10	2	2.208	2.209	-0.001
10	3	2.354	2.356	-0.002
10	4	2.289	2.288	0.001
10	5	2.363	2.366	-0.003
15	6	2.389	2.391	-0.002
15	7	2.229	2.227	0.002
15	8	2.330	2.329	0.001
15	9	2.195	2.200	-0.005
15	10	2.106	2.109	-0.003
30	11	2.246	2.241	0.005
30	12	2.387	2.390	-0.003
30	13	2.179	2.181	-0.002
30	14	2.150	2.147	0.003
30	15	2.259	2.253	0.005
35	16	2.323	2.317	0.006
35	17	2.470	2.464	0.005
35	18	2.292	2.284	0.008
35	19	2.148	2.143	0.005
35	20	2.320	2.311	0.009
50	21	2.177	2.177	0.000
50	22	2.322	2.315	0.006
50	23	2.285	2.282	0.003
50	24	2.379	2.369	0.010
50	25	2.283	2.279	0.004
55	26	2.241	2.228	0.013
55	27	2.306	2.298	0.008
55	28	2.413	2.403	0.009
55	29	2.079	2.074	0.005
55	31	2.312	2.304	0.008
Max		2.470	2.464	0.013
Average		2.264	2.261	0.002
Min		2.036	2.040	-0.005
Std Dev		0.100	0.099	0.005



40.1 __SoftStart ChargeCurrent							
Test Site							
Tester							
Test Number							
Max Limit		2.79	µA				
Min Limit		1.44	µA				
krad(Si)	0	10	15	30	35	50	55
LL	1.440	1.440	1.440	1.440	1.440	1.440	1.440
Min	2.040	2.209	2.109	2.147	2.143	2.177	2.074
Average	2.146	2.293	2.251	2.243	2.304	2.284	2.261
Max	2.234	2.366	2.391	2.390	2.464	2.369	2.403
UL	2.790	2.790	2.790	2.790	2.790	2.790	2.790

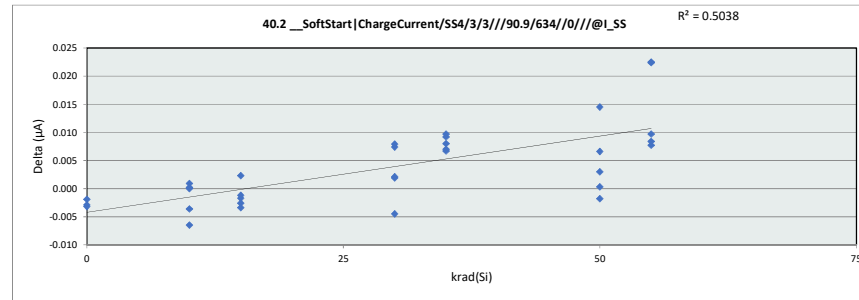


TID HDR Report

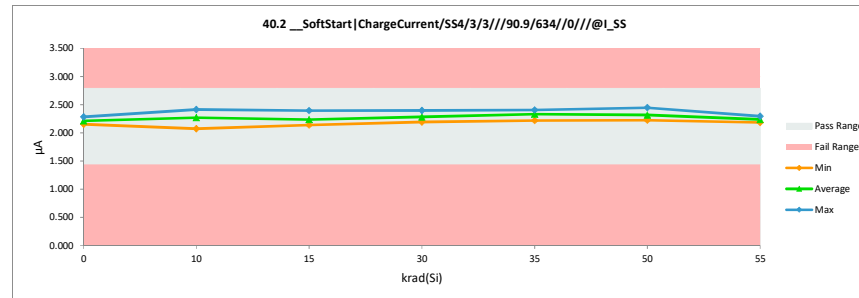
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.2 __SoftStart ChargeCurrent/SS4/3/3///90.9/634/0///@_l_SS				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		2.83	2.79	
Min Limit		1.4	1.44	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.151	2.154	-0.003
0	98	2.198	2.202	-0.003
0	99	2.283	2.284	-0.002
10	1	2.074	2.074	0.000
10	2	2.333	2.332	0.001
10	3	2.282	2.282	0.000
10	4	2.410	2.414	-0.004
10	5	2.240	2.246	-0.007
15	6	2.282	2.284	-0.002
15	7	2.170	2.171	-0.001
15	8	2.397	2.395	0.002
15	9	2.193	2.197	-0.003
15	10	2.136	2.138	-0.003
30	11	2.234	2.226	0.007
30	12	2.298	2.296	0.002
30	13	2.304	2.308	-0.004
30	14	2.201	2.194	0.008
30	15	2.401	2.398	0.002
35	16	2.338	2.330	0.008
35	17	2.328	2.321	0.007
35	18	2.401	2.391	0.010
35	19	2.226	2.219	0.007
35	20	2.417	2.408	0.009
50	21	2.281	2.283	-0.002
50	22	2.269	2.263	0.007
50	23	2.224	2.224	0.000
50	24	2.380	2.377	0.003
50	25	2.463	2.448	0.015
55	26	2.207	2.199	0.008
55	27	2.318	2.296	0.023
55	28	2.295	2.272	0.022
55	29	2.253	2.243	0.010
55	31	2.194	2.185	0.008
Max		2.463	2.448	0.023
Average		2.278	2.274	0.004
Min		2.074	2.074	-0.007
Std Dev		0.092	0.090	0.007



40.2 __SoftStart ChargeCurrent							
Test Site							
Tester							
Test Number							
Max Limit		2.79	μA				
Min Limit		1.44	μA				
krad(Si)	0	10	15	30	35	50	55
LL	1.440	1.440	1.440	1.440	1.440	1.440	1.440
Min	2.154	2.074	2.138	2.194	2.219	2.224	2.185
Average	2.213	2.270	2.237	2.285	2.334	2.319	2.239
Max	2.285	2.414	2.395	2.399	2.408	2.448	2.296
UL	2.790	2.790	2.790	2.790	2.790	2.790	2.790



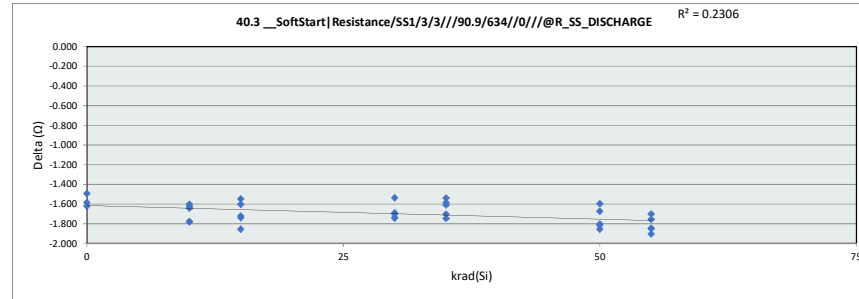
TID HDR Report

TPS7H4102-SEP

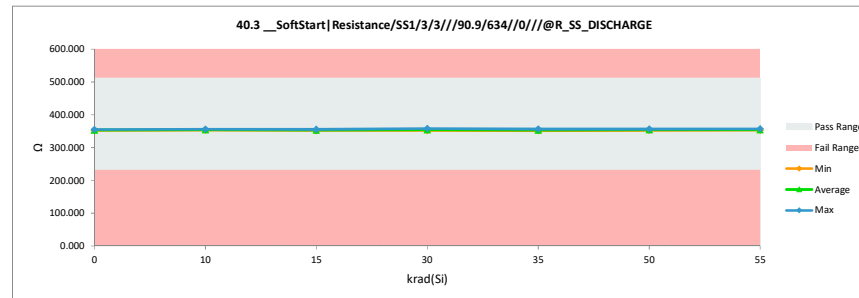
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.3 __SoftStart Resistance/SS1/3/3//90.9/		
Test Site		
Tester		
Test Number		
Unit	Ω	Ω
Max Limit	513	511
Min Limit	230	232

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	350.526	352.018	-1.492
0	98	352.476	354.096	-1.621
0	99	353.509	355.095	-1.585
10	1	353.445	355.222	-1.777
10	2	354.210	355.990	-1.780
10	3	352.269	353.893	-1.624
10	4	351.235	352.877	-1.642
10	5	352.091	353.692	-1.602
15	6	351.846	353.567	-1.722
15	7	353.678	355.533	-1.855
15	8	351.642	353.244	-1.603
15	9	351.471	353.019	-1.548
15	10	350.045	351.782	-1.737
30	11	350.613	352.350	-1.737
30	12	350.794	352.329	-1.536
30	13	351.838	353.538	-1.700
30	14	356.288	358.029	-1.741
30	15	352.302	353.991	-1.690
35	16	353.121	354.659	-1.538
35	17	350.815	352.399	-1.585
35	18	350.134	351.836	-1.702
35	19	351.093	352.703	-1.609
35	20	354.636	356.383	-1.746
50	21	353.802	355.605	-1.803
50	22	352.725	354.538	-1.814
50	23	355.005	356.601	-1.596
50	24	352.153	353.825	-1.672
50	25	350.714	352.569	-1.855
55	26	352.152	354.000	-1.849
55	27	355.455	357.210	-1.755
55	28	351.170	352.871	-1.701
55	29	351.478	353.381	-1.904
55	31	353.158	355.004	-1.846
Max		356.288	358.029	-1.492
Average		352.360	354.056	-1.696
Min		350.045	351.782	-1.904
Std Dev		1.578	1.606	0.109



40.3 __SoftStart Resistance/SS1/3/3//90.9/634//0///@R_SS_DISCHARGE							
Test Site							
Tester							
Test Number							
Max Limit	511	Ω					
Min Limit	232	Ω					
krad(Si)	0	10	15	30	35	50	55
LL	232.000	232.000	232.000	232.000	232.000	232.000	232.000
Min	352.019	352.877	351.782	352.329	351.836	352.569	352.871
Average	353.737	354.335	353.429	354.047	353.596	354.628	354.493
Max	355.095	355.990	355.533	358.029	356.383	356.601	357.210
UL	511.000	511.000	511.000	511.000	511.000	511.000	511.000

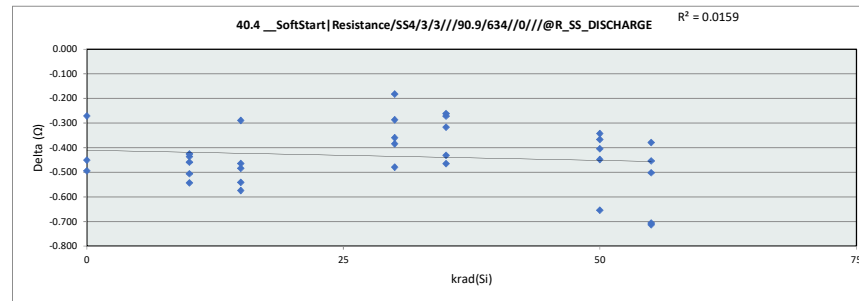


TID HDR Report

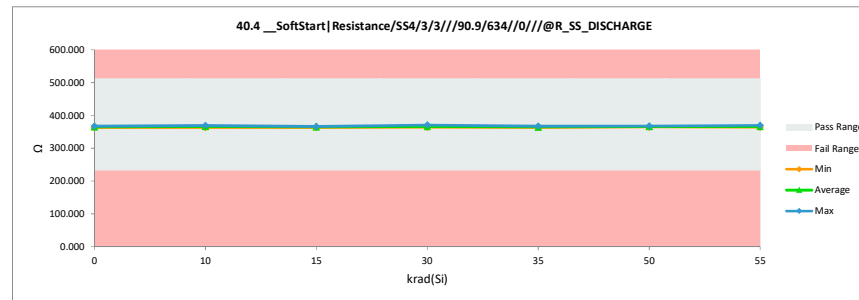
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.4 __SoftStart Resistance/SS4/3/3//90.9/				
Test Site				
Tester				
Test Number				
Unit	Ω	Ω		
Max Limit	513	511		
Min Limit	230	232		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	362.351	362.622	-0.271
0	98	365.090	365.584	-0.494
0	99	366.862	367.313	-0.451
10	1	367.165	367.625	-0.460
10	2	368.673	369.110	-0.436
10	3	364.952	365.458	-0.506
10	4	364.481	365.024	-0.543
10	5	363.038	363.463	-0.425
15	6	364.804	365.269	-0.464
15	7	365.796	366.370	-0.574
15	8	363.836	364.378	-0.541
15	9	363.803	364.287	-0.484
15	10	362.502	362.792	-0.290
30	11	363.453	363.812	-0.360
30	12	363.796	364.083	-0.287
30	13	366.201	366.383	-0.182
30	14	370.020	370.499	-0.479
30	15	365.942	366.326	-0.385
35	16	364.846	365.108	-0.262
35	17	362.501	362.773	-0.272
35	18	362.558	362.989	-0.431
35	19	363.963	364.279	-0.317
35	20	366.693	367.158	-0.465
50	21	366.112	366.517	-0.404
50	22	365.041	365.489	-0.448
50	23	367.206	367.549	-0.343
50	24	365.052	365.419	-0.367
50	25	363.806	364.460	-0.654
55	26	365.069	365.775	-0.706
55	27	369.095	369.475	-0.379
55	28	363.859	364.361	-0.502
55	29	365.157	365.870	-0.713
55	31	365.316	365.770	-0.454
Max		370.020	370.499	-0.182
Average		365.122	365.557	-0.435
Min		362.351	362.622	-0.713
Std Dev		1.898	1.915	0.124



40.4 __SoftStart Resistance/S							
Test Site							
Tester							
Test Number							
Max Limit	511	Ω					
Min Limit	232	Ω					
krad(Si)	0	10	15	30	35	50	55
LL	232.000	232.000	232.000	232.000	232.000	232.000	232.000
Min	362.622	363.463	362.792	363.812	362.773	364.460	364.361
Average	365.173	366.136	364.619	366.221	364.462	365.887	366.250
Max	367.313	369.110	366.370	370.499	367.158	367.549	369.475
UL	511.000	511.000	511.000	511.000	511.000	511.000	511.000



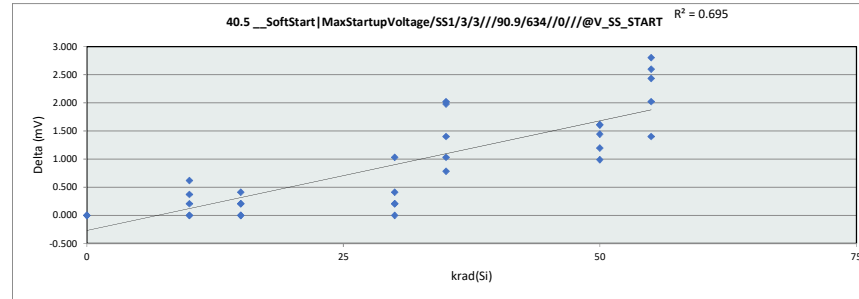
TID HDR Report

TPS7H4102-SEP

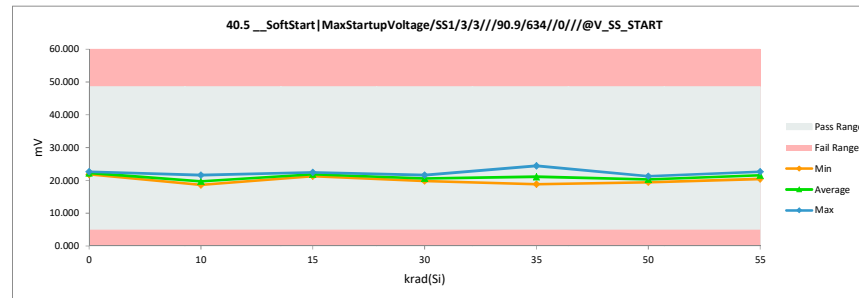
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.5 __SoftStart MaxStartupVoltage/SS1/3/3/		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	50	48.5
Min Limit	-3.7	5

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	21.826	21.826	0.000
0	98	22.650	22.650	0.000
0	99	22.444	22.444	0.000
10	1	19.229	19.229	0.000
10	2	22.238	21.620	0.618
10	3	18.817	18.611	0.206
10	4	19.806	19.435	0.371
10	5	19.641	19.641	0.000
15	6	21.249	21.249	0.000
15	7	21.620	21.414	0.206
15	8	22.032	21.826	0.206
15	9	22.650	22.238	0.412
15	10	22.444	22.444	0.000
30	11	22.032	21.620	0.412
30	12	20.424	20.218	0.206
30	13	19.806	19.806	0.000
30	14	21.249	20.218	1.031
30	15	21.249	21.043	0.206
35	16	21.826	19.806	2.020
35	17	21.414	20.631	0.783
35	18	24.010	22.032	1.979
35	19	20.218	18.817	1.402
35	20	25.453	24.423	1.030
50	21	21.043	19.435	1.608
50	22	22.238	20.631	1.608
50	23	22.238	21.249	0.989
50	24	21.249	19.806	1.443
50	25	21.620	20.424	1.195
55	26	22.856	20.424	2.432
55	27	23.846	21.826	2.020
55	28	22.444	21.043	1.401
55	29	25.453	22.650	2.803
55	31	24.423	21.826	2.597
Max		25.453	24.423	2.803
Average		21.871	20.986	0.884
Min		18.817	18.611	0.000
Std Dev		1.596	1.305	0.869



40.5 __SoftStart MaxStartupV							
Test Site							
Tester							
Test Number							
Max Limit	48.5						mV
Min Limit	5						mV
krad(Si)	0	10	15	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	21.826	18.611	21.249	19.806	18.817	19.435	20.424
Average	22.307	19.707	21.834	20.581	21.142	20.309	21.554
Max	22.650	21.620	22.444	21.620	24.423	21.249	22.650
UL	48.500	48.500	48.500	48.500	48.500	48.500	48.500



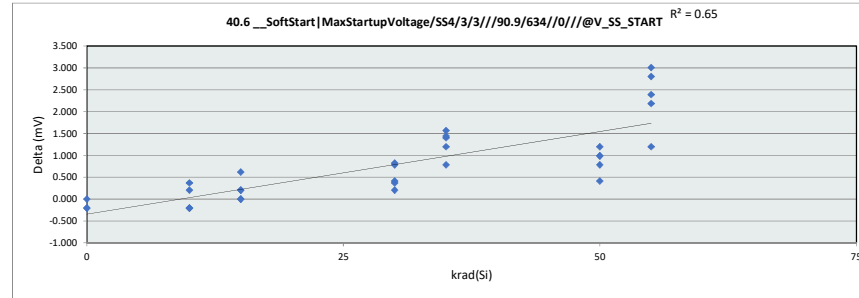
TID HDR Report

TPS7H4102-SEP

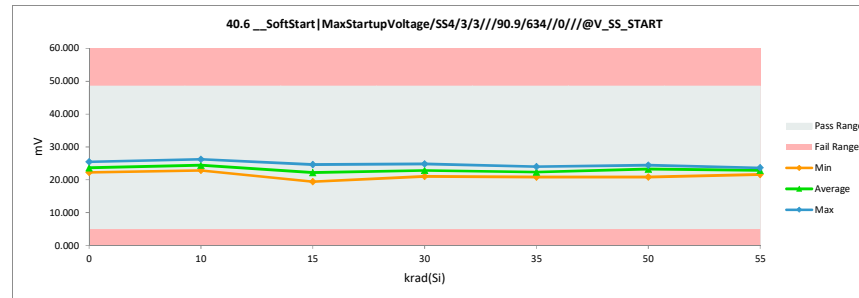
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.6 __SoftStart MaxStartupVoltage/SS4/3/3/			
Test Site			
Tester			
Test Number			
Unit	mV	mV	
Max Limit	50	48.5	
Min Limit	-3.7	5	

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	22.238	22.238	0.000
0	98	25.247	25.453	-0.206
0	99	23.021	23.227	-0.206
10	1	26.030	26.236	-0.206
10	2	25.041	25.247	-0.206
10	3	23.227	22.856	0.371
10	4	23.639	23.846	-0.206
10	5	24.217	24.010	0.206
15	6	23.639	23.433	0.206
15	7	22.032	21.414	0.618
15	8	19.641	19.435	0.206
15	9	24.629	24.629	0.000
15	10	22.032	22.032	0.000
30	11	21.249	21.043	0.206
30	12	25.247	24.835	0.412
30	13	24.217	23.846	0.371
30	14	22.444	21.620	0.824
30	15	23.639	22.856	0.783
35	16	22.032	20.837	1.195
35	17	23.021	21.620	1.402
35	18	25.453	24.010	1.443
35	19	23.227	22.444	0.783
35	20	24.423	22.856	1.566
50	21	21.826	20.837	0.989
50	22	25.618	24.423	1.195
50	23	24.835	23.846	0.989
50	24	24.835	24.423	0.412
50	25	23.639	22.856	0.783
55	26	23.021	21.826	1.195
55	27	25.824	23.639	2.185
55	28	24.629	21.620	3.009
55	29	26.442	23.639	2.803
55	31	26.030	23.639	2.391
Max		26.442	26.236	3.009
Average		23.827	23.054	0.773
Min		19.641	19.435	-0.206
Std Dev		1.591	1.527	0.872



40.6 __SoftStart MaxStartupV							
Test Site							
Tester							
Test Number							
Max Limit	48.5	mV					
Min Limit	5	mV					
krad(Si)	0	10	15	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	22.238	22.856	19.435	21.043	20.837	20.837	21.620
Average	23.640	24.439	22.189	22.840	22.353	23.277	22.873
Max	25.453	26.236	24.629	24.835	24.011	24.423	23.640
UL	48.500	48.500	48.500	48.500	48.500	48.500	48.500

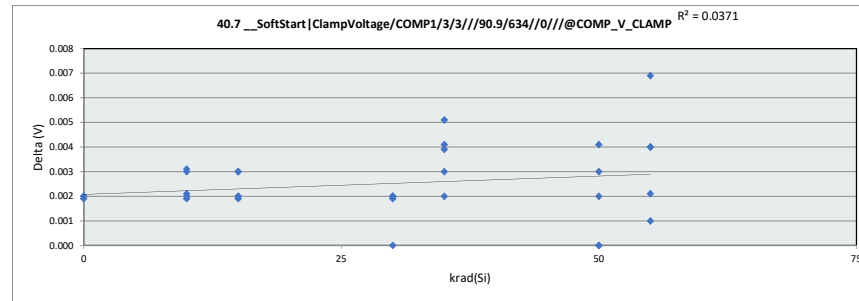


TID HDR Report

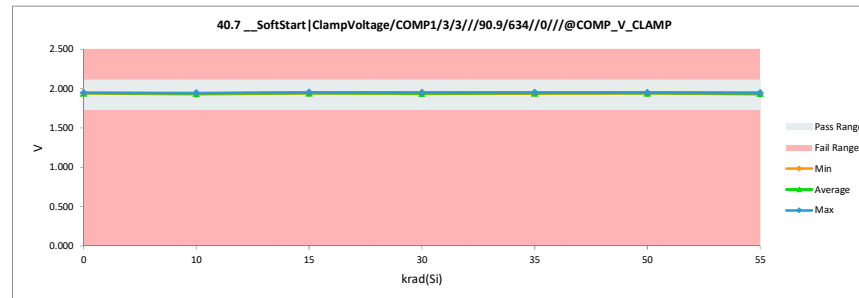
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.7 __SoftStart ClampVoltage/COMP1/3/3//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.105		
Min Limit	1.7	1.725		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.939	1.938	0.002
0	98	1.949	1.947	0.002
0	99	1.948	1.946	0.002
10	1	1.946	1.942	0.003
10	2	1.939	1.937	0.002
10	3	1.946	1.944	0.002
10	4	1.931	1.929	0.003
10	5	1.936	1.934	0.002
15	6	1.954	1.952	0.002
15	7	1.941	1.939	0.003
15	8	1.949	1.946	0.003
15	9	1.948	1.946	0.002
15	10	1.939	1.938	0.002
30	11	1.944	1.941	0.002
30	12	1.951	1.949	0.002
30	13	1.936	1.934	0.002
30	14	1.941	1.941	0.000
30	15	1.941	1.939	0.002
35	16	1.952	1.951	0.002
35	17	1.949	1.944	0.005
35	18	1.939	1.936	0.004
35	19	1.947	1.942	0.004
35	20	1.944	1.941	0.003
50	21	1.941	1.939	0.002
50	22	1.948	1.948	0.000
50	23	1.946	1.946	0.000
50	24	1.948	1.944	0.004
50	25	1.948	1.945	0.003
55	26	1.952	1.945	0.007
55	27	1.945	1.942	0.002
55	28	1.949	1.945	0.004
55	29	1.931	1.928	0.004
55	31	1.946	1.945	0.001
Max		1.954	1.952	0.007
Average		1.944	1.942	0.003
Min		1.931	1.928	0.000
Std Dev		0.006	0.006	0.001



40.7 __SoftStart ClampVoltage/COMP1/3/3//90.9/634//0///@COMP_V_CLAMP							
Test Site							
Tester							
Test Number							
Max Limit	2.105	V					
Min Limit	1.725	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.725	1.725	1.725	1.725	1.725	1.725	1.725
Min	1.938	1.929	1.938	1.934	1.936	1.939	1.928
Average	1.943	1.937	1.944	1.941	1.943	1.944	1.941
Max	1.947	1.944	1.952	1.949	1.951	1.948	1.945
UL	2.105	2.105	2.105	2.105	2.105	2.105	2.105

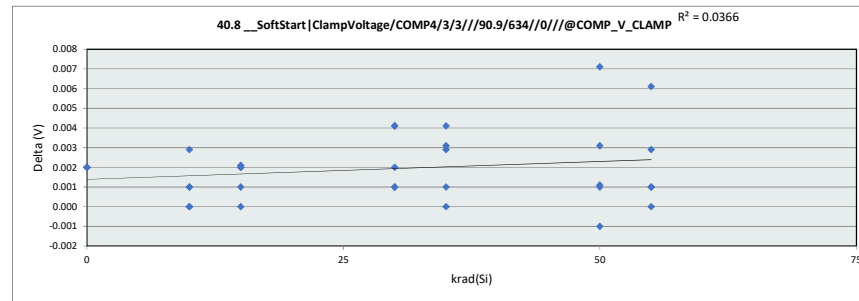


TID HDR Report

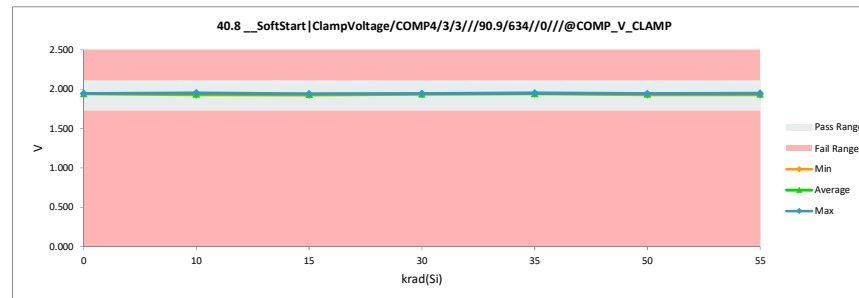
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.8 __SoftStart ClampVoltage/COMP4/3/3//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.105		
Min Limit	1.7	1.725		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.942	1.941	0.002
0	98	1.948	1.946	0.002
0	99	1.948	1.946	0.002
10	1	1.941	1.941	0.001
10	2	1.954	1.954	0.000
10	3	1.938	1.938	0.000
10	4	1.939	1.937	0.003
10	5	1.929	1.928	0.001
15	6	1.941	1.939	0.002
15	7	1.923	1.921	0.002
15	8	1.945	1.942	0.002
15	9	1.936	1.936	0.000
15	10	1.941	1.939	0.001
30	11	1.936	1.935	0.001
30	12	1.946	1.941	0.004
30	13	1.941	1.939	0.002
30	14	1.946	1.945	0.001
30	15	1.946	1.941	0.004
35	16	1.946	1.942	0.003
35	17	1.956	1.952	0.004
35	18	1.941	1.938	0.003
35	19	1.939	1.939	0.000
35	20	1.947	1.946	0.001
50	21	1.945	1.944	0.001
50	22	1.947	1.944	0.003
50	23	1.925	1.926	-0.001
50	24	1.948	1.941	0.007
50	25	1.946	1.945	0.001
55	26	1.951	1.948	0.003
55	27	1.946	1.939	0.006
55	28	1.947	1.946	0.001
55	29	1.939	1.939	0.000
55	31	1.929	1.928	0.001
Max		1.956	1.954	0.007
Average		1.942	1.940	0.002
Min		1.923	1.921	-0.001
Std Dev		0.007	0.007	0.002



40.8 __SoftStart ClampVoltage/COMP4/3/3//90.9/634//0///@COMP_V_CLAMP							
Test Site							
Tester							
Test Number							
Max Limit	2.105	V					
Min Limit	1.725	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.725	1.725	1.725	1.725	1.725	1.725	1.725
Min	1.941	1.928	1.922	1.935	1.938	1.926	1.928
Average	1.944	1.939	1.936	1.940	1.943	1.940	1.940
Max	1.946	1.954	1.943	1.945	1.952	1.945	1.948
UL	2.105	2.105	2.105	2.105	2.105	2.105	2.105



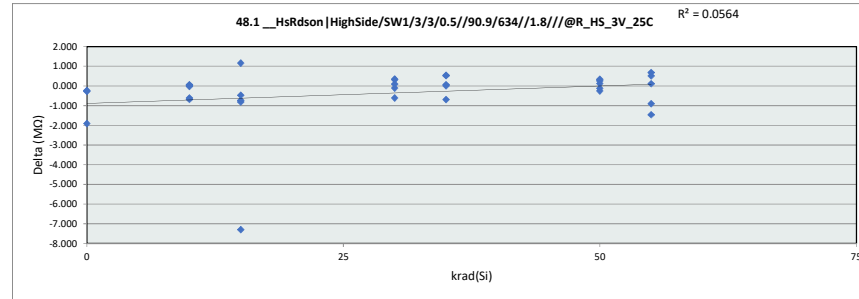
TID HDR Report

TPS7H4102-SEP

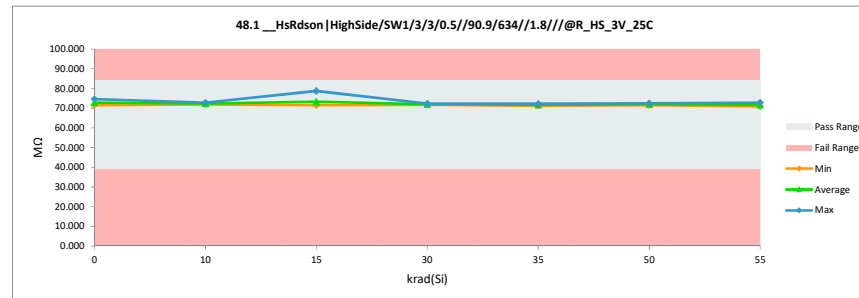
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

48.1 __HsRdson HighSide/SW1/3/3/0.5//90.9		
Test Site		
Tester		
Test Number		
Unit	MΩ	MΩ
Max Limit	88	84
Min Limit	30	39

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	71.330	71.561	-0.230
0	98	71.888	72.165	-0.277
0	99	72.719	74.635	-1.916
10	1	72.790	72.818	-0.028
10	2	71.741	72.430	-0.688
10	3	71.423	72.033	-0.610
10	4	72.525	72.463	0.062
10	5	71.893	71.865	0.028
15	6	71.892	72.623	-0.731
15	7	71.090	71.908	-0.817
15	8	71.220	71.695	-0.476
15	9	72.688	71.528	1.161
15	10	71.433	78.727	-7.294
30	11	72.014	72.122	-0.109
30	12	72.403	72.053	0.350
30	13	72.462	72.366	0.096
30	14	71.124	71.737	-0.613
30	15	72.266	71.952	0.315
35	16	72.770	72.229	0.540
35	17	71.358	72.051	-0.693
35	18	71.238	71.175	0.064
35	19	71.625	71.623	0.002
35	20	72.301	71.783	0.518
50	21	72.296	72.419	-0.123
50	22	71.305	71.558	-0.252
50	23	72.264	71.923	0.341
50	24	72.603	72.487	0.116
50	25	72.037	71.784	0.253
55	26	72.064	71.553	0.511
55	27	71.126	72.034	-0.908
55	28	71.592	70.910	0.681
55	29	71.355	72.818	-1.464
55	31	71.560	71.446	0.114
Max		72.790	78.727	1.161
Average		71.891	72.257	-0.366
Min		71.090	70.910	-7.294
Std Dev		0.551	1.325	1.390



48.1 __HsRdson HighSide/SW							
Test Site							
Tester							
Test Number							
Max Limit	84		MΩ				
Min Limit	39		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	39.000	39.000	39.000	39.000	39.000	39.000	39.000
Min	71.561	71.865	71.528	71.737	71.175	71.558	70.911
Average	72.787	72.322	73.296	72.046	71.772	72.034	71.752
Max	74.635	72.818	78.727	72.366	72.229	72.487	72.818
UL	84.000	84.000	84.000	84.000	84.000	84.000	84.000

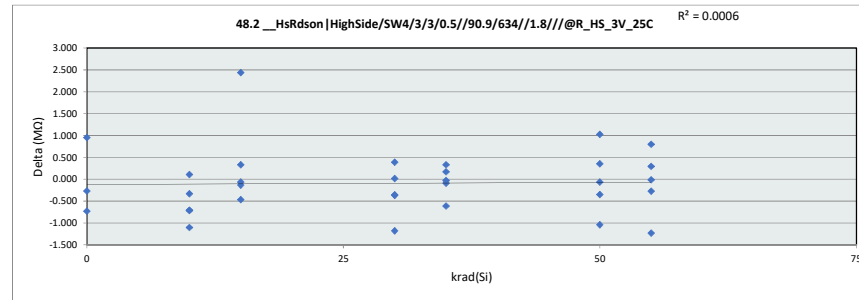


TID HDR Report

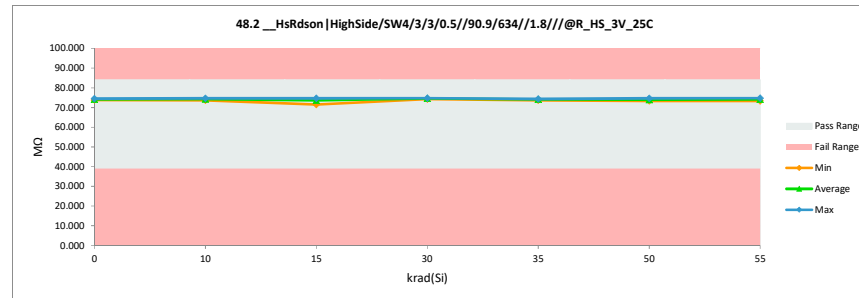
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

48.2 __HsRdson HighSide/SW4/3/3/0.5//90.9/634//1.8///@R_HS_3V_25C				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	88	84		
Min Limit	30	39		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	74.903	73.952	0.951
0	98	73.764	74.495	-0.732
0	99	73.549	73.819	-0.270
10	1	73.531	74.633	-1.103
10	2	74.173	74.504	-0.332
10	3	74.003	74.710	-0.707
10	4	73.603	74.317	-0.714
10	5	73.845	73.739	0.106
15	6	74.086	73.756	0.330
15	7	74.195	74.661	-0.466
15	8	73.922	74.056	-0.134
15	9	73.964	74.028	-0.064
15	10	73.934	71.495	2.439
30	11	74.689	74.300	0.389
30	12	74.793	74.778	0.015
30	13	74.430	74.797	-0.367
30	14	73.307	74.487	-1.180
30	15	74.404	74.762	-0.358
35	16	73.755	74.368	-0.613
35	17	74.198	74.225	-0.027
35	18	74.014	73.846	0.168
35	19	74.039	73.708	0.330
35	20	74.173	74.263	-0.091
50	21	74.762	73.735	1.027
50	22	74.171	74.235	-0.064
50	23	73.440	73.790	-0.351
50	24	73.724	73.372	0.352
50	25	73.630	74.673	-1.042
55	26	74.280	74.291	-0.011
55	27	74.044	73.748	0.296
55	28	72.987	74.218	-1.231
55	29	74.196	73.396	0.800
55	31	74.467	74.740	-0.273
Max		74.903	74.797	2.439
Average		74.029	74.118	-0.089
Min		72.987	71.495	-1.231
Std Dev		0.437	0.627	0.728



48.2 __HsRdson HighSide/SW							
Test Site							
Tester							
Test Number							
Max Limit	84	MΩ					
Min Limit	39	MΩ					
krad(Si)	0	10	15	30	35	50	55
LL	39.000	39.000	39.000	39.000	39.000	39.000	39.000
Min	73.819	73.739	71.495	74.300	73.708	73.372	73.396
Average	74.089	74.381	73.599	74.625	74.082	73.961	74.079
Max	74.495	74.710	74.661	74.797	74.368	74.673	74.740
UL	84.000	84.000	84.000	84.000	84.000	84.000	84.000

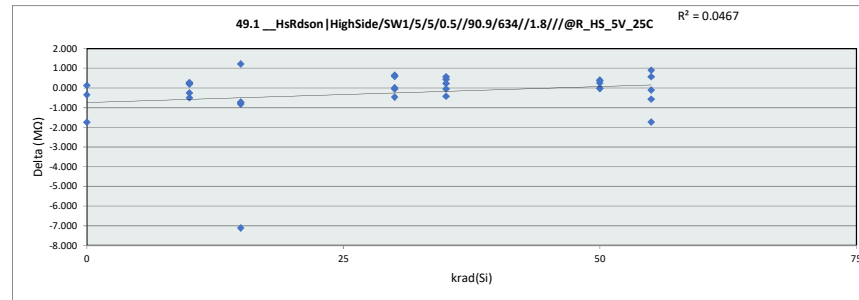


TID HDR Report

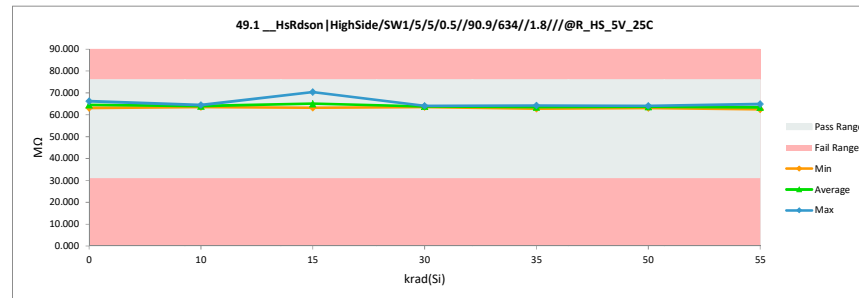
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

49.1 __HsRdson HighSide/SW1/5/5/0.5//90.9/634//1.8///@R_HS_5V_25C				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	80	76		
Min Limit	22	31		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	63.248	63.122	0.126
0	98	63.767	64.119	-0.352
0	99	64.477	66.218	-1.741
10	1	64.655	64.454	0.201
10	2	63.676	63.927	-0.251
10	3	63.240	63.740	-0.499
10	4	64.555	64.340	0.215
10	5	63.761	63.488	0.274
15	6	63.570	64.334	-0.764
15	7	62.900	63.720	-0.821
15	8	62.951	63.673	-0.722
15	9	64.413	63.201	1.212
15	10	63.256	70.367	-7.111
30	11	63.921	63.975	-0.054
30	12	64.194	63.614	0.580
30	13	64.106	64.100	0.006
30	14	63.024	63.493	-0.469
30	15	64.292	63.644	0.648
35	16	64.644	64.206	0.438
35	17	63.174	63.599	-0.425
35	18	62.983	62.761	0.222
35	19	63.410	63.458	-0.048
35	20	64.205	63.640	0.566
50	21	64.066	64.086	-0.020
50	22	63.011	63.038	-0.027
50	23	64.061	63.811	0.250
50	24	64.392	64.024	0.368
50	25	63.829	63.436	0.394
55	26	63.586	63.023	0.563
55	27	62.909	63.480	-0.571
55	28	63.387	62.487	0.900
55	29	63.156	64.892	-1.736
55	31	63.174	63.285	-0.111
Max		64.655	70.367	1.212
Average		63.697	63.962	-0.266
Min		62.900	62.487	-7.111
Std Dev		0.571	1.330	1.389



49.1 __HsRdson HighSide/SW							
Test Site							
Tester							
Test Number							
Max Limit	76	MΩ					
Min Limit	31	MΩ					
krad(Si)	0	10	15	30	35	50	55
LL	31.000	31.000	31.000	31.000	31.000	31.000	31.000
Min	63.122	63.488	63.201	63.493	62.761	63.038	62.487
Average	64.486	63.990	65.059	63.765	63.533	63.679	63.433
Max	66.219	64.454	70.367	64.100	64.206	64.086	64.892
UL	76.000	76.000	76.000	76.000	76.000	76.000	76.000



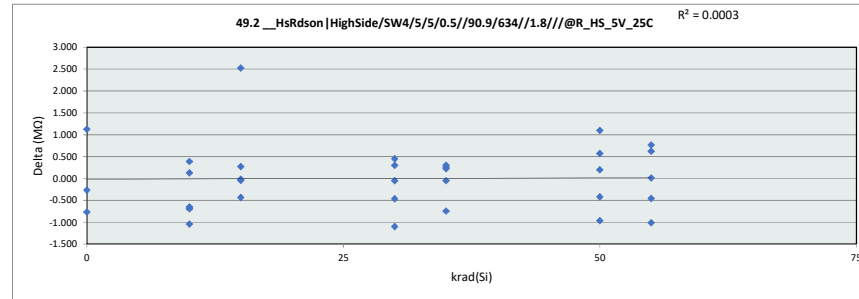
TID HDR Report

TPS7H4102-SEP

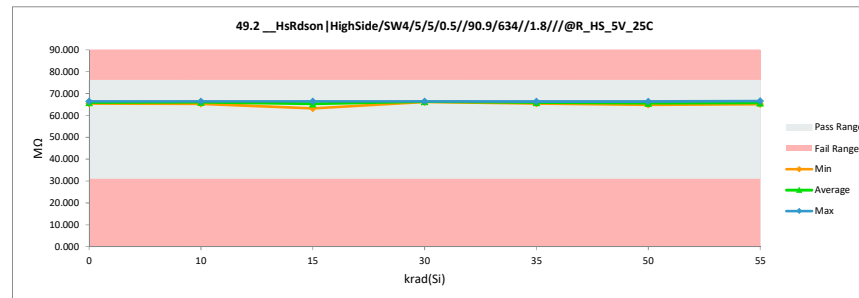
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

49.2 __HsRdson HighSide/SW4/5/5/0.5//90.9/634//1.8///@R_HS_5V_25C		
Test Site		
Tester		
Test Number		
Unit	MΩ	MΩ
Max Limit	80	76
Min Limit	22	31

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	66.623	65.497	1.126
0	98	65.624	66.390	-0.766
0	99	65.432	65.700	-0.268
10	1	65.338	66.380	-1.041
10	2	66.046	65.920	0.127
10	3	65.728	66.423	-0.696
10	4	65.556	66.207	-0.651
10	5	65.676	65.287	0.388
15	6	65.762	65.491	0.271
15	7	65.981	66.417	-0.436
15	8	65.612	65.629	-0.017
15	9	65.778	65.823	-0.045
15	10	65.696	63.174	2.522
30	11	66.525	66.076	0.450
30	12	66.561	66.263	0.299
30	13	65.963	66.426	-0.463
30	14	65.194	66.293	-1.099
30	15	66.392	66.441	-0.049
35	16	65.603	66.349	-0.747
35	17	65.963	65.738	0.225
35	18	65.755	65.495	0.260
35	19	65.785	65.481	0.303
35	20	65.967	66.019	-0.052
50	21	66.506	65.409	1.097
50	22	65.770	65.571	0.199
50	23	65.187	65.609	-0.421
50	24	65.484	64.914	0.570
50	25	65.412	66.375	-0.963
55	26	65.813	65.802	0.011
55	27	65.927	65.161	0.766
55	28	64.698	65.712	-1.014
55	29	65.909	65.285	0.623
55	31	66.101	66.559	-0.458
Max		66.623	66.559	2.522
Average		65.799	65.797	0.002
Min		64.698	63.174	-1.099
Std Dev		0.421	0.650	0.752



49.2 __HsRdson HighSide/SW							
Test Site							
Tester							
Test Number							
Max Limit	76	MΩ					
Min Limit	31	MΩ					
krad(Si)	0	10	15	30	35	50	55
LL	31.000	31.000	31.000	31.000	31.000	31.000	31.000
Min	65.497	65.287	63.174	66.076	65.481	64.914	65.161
Average	65.862	66.043	65.307	66.300	65.816	65.575	65.704
Max	66.390	66.423	66.417	66.441	66.349	66.375	66.559
UL	76.000	76.000	76.000	76.000	76.000	76.000	76.000

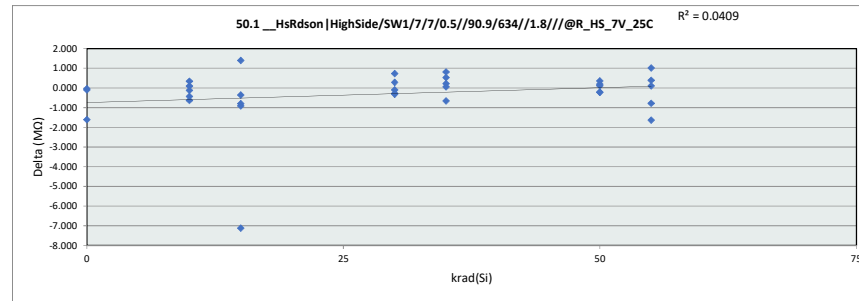


TID HDR Report

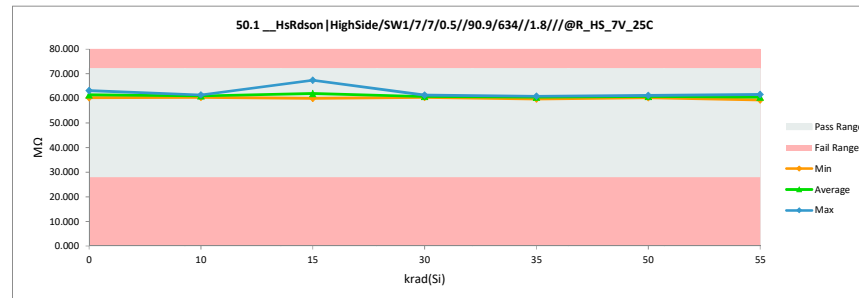
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

50.1 __HsRdson HighSide/SW1/7/7/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	76	72		
Min Limit	19.2	28		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	60.232	60.277	-0.045
0	98	60.823	60.928	-0.104
0	99	61.496	63.110	-1.614
10	1	61.463	61.365	0.098
10	2	60.578	61.015	-0.437
10	3	60.176	60.815	-0.639
10	4	61.213	61.341	-0.128
10	5	60.735	60.398	0.337
15	6	60.407	61.206	-0.799
15	7	59.956	60.867	-0.912
15	8	60.078	60.442	-0.364
15	9	61.429	60.037	1.391
15	10	60.206	67.324	-7.118
30	11	60.641	60.740	-0.099
30	12	61.018	60.734	0.284
30	13	61.011	61.329	-0.319
30	14	60.085	60.368	-0.283
30	15	61.221	60.492	0.729
35	16	61.658	60.852	0.807
35	17	60.009	60.673	-0.663
35	18	59.993	59.777	0.216
35	19	60.391	60.338	0.054
35	20	61.128	60.602	0.527
50	21	60.848	61.064	-0.216
50	22	60.017	60.243	-0.226
50	23	61.124	60.770	0.353
50	24	61.260	61.152	0.108
50	25	60.638	60.444	0.194
55	26	60.693	60.308	0.385
55	27	59.933	60.713	-0.779
55	28	60.361	59.348	1.014
55	29	59.926	61.558	-1.632
55	31	60.416	60.312	0.104
Max		61.658	67.324	1.391
Average		60.641	60.938	-0.296
Min		59.926	59.348	-7.118
Std Dev		0.533	1.310	1.388



50.1 __HsRdson HighSide/SW							
Test Site							
Tester							
Test Number							
Max Limit	72	MΩ					
Min Limit	28	MΩ					
krad(Si)	0	10	15	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000	28.000	28.000
Min	60.277	60.398	60.037	60.368	59.777	60.243	59.348
Average	61.438	60.987	61.975	60.733	60.448	60.735	60.448
Max	63.110	61.365	67.324	61.329	60.852	61.152	61.558
UL	72.000	72.000	72.000	72.000	72.000	72.000	72.000

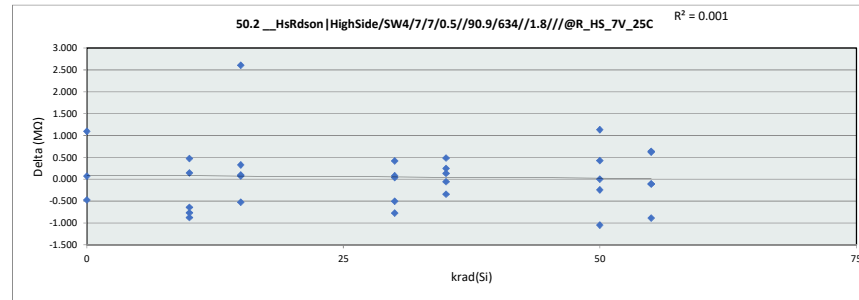


TID HDR Report

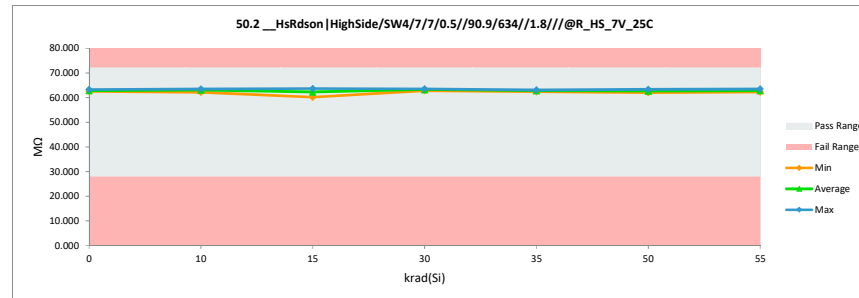
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

50.2 __HsRdson HighSide/SW4/7/7/0.5//90.9/634//1.8///@R_HS_7V_25C				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	76		72	
Min Limit	19.2		28	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	63.739	62.642	1.097
0	98	62.867	63.340	-0.473
0	99	62.688	62.617	0.071
10	1	62.405	63.280	-0.875
10	2	63.218	63.075	0.143
10	3	62.857	63.499	-0.641
10	4	62.442	63.209	-0.767
10	5	62.719	62.247	0.472
15	6	62.773	62.447	0.326
15	7	63.152	63.679	-0.527
15	8	62.889	62.814	0.075
15	9	62.777	62.682	0.095
15	10	62.811	60.206	2.605
30	11	63.292	62.873	0.420
30	12	63.515	63.437	0.079
30	13	63.059	63.561	-0.502
30	14	62.414	63.187	-0.773
30	15	63.415	63.378	0.037
35	16	62.780	63.122	-0.342
35	17	62.968	62.837	0.132
35	18	62.811	62.564	0.247
35	19	62.895	62.410	0.485
35	20	63.053	63.111	-0.058
50	21	63.491	62.360	1.131
50	22	62.878	62.878	0.001
50	23	62.411	62.657	-0.245
50	24	62.521	62.094	0.427
50	25	62.349	63.396	-1.047
55	26	63.025	63.131	-0.106
55	27	63.156	62.518	0.639
55	28	61.779	62.666	-0.887
55	29	62.914	62.293	0.620
55	31	63.434	63.541	-0.107
Max		63.739	63.679	2.605
Average		62.894	62.841	0.053
Min		61.779	60.206	-1.047
Std Dev		0.403	0.641	0.712



50.2 __HsRdson HighSide/SW							
Test Site							
Tester							
Test Number							
Max Limit	72		MΩ				
Min Limit	28		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000	28.000	28.000
Min	62.617	62.247	60.206	62.873	62.411	62.094	62.294
Average	62.866	63.062	62.366	63.287	62.809	62.677	62.830
Max	63.340	63.499	63.679	63.561	63.122	63.396	63.541
UL	72.000	72.000	72.000	72.000	72.000	72.000	72.000

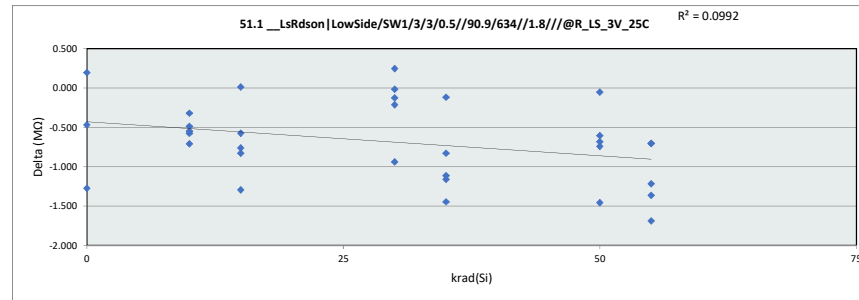


TID HDR Report

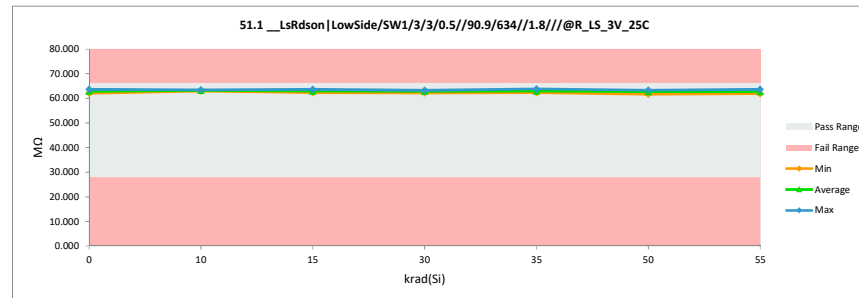
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

51.1 __LsRdson LowSide/SW1/3/3/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	68		66	
Min Limit	20.4		28	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	62.252	62.059	0.193
0	98	62.343	63.618	-1.275
0	99	62.463	62.932	-0.469
10	1	63.120	63.442	-0.322
10	2	62.394	62.943	-0.549
10	3	62.668	63.377	-0.709
10	4	62.702	63.279	-0.578
10	5	62.683	63.171	-0.488
15	6	62.363	63.658	-1.295
15	7	62.281	63.044	-0.763
15	8	62.107	62.936	-0.829
15	9	62.636	62.625	0.011
15	10	61.685	62.261	-0.575
30	11	62.258	62.472	-0.215
30	12	63.104	63.121	-0.018
30	13	63.120	63.247	-0.128
30	14	61.267	62.207	-0.940
30	15	63.117	62.873	0.244
35	16	62.695	63.808	-1.113
35	17	61.732	63.179	-1.447
35	18	61.448	62.277	-0.828
35	19	61.912	63.073	-1.161
35	20	62.694	62.813	-0.118
50	21	62.637	63.320	-0.682
50	22	61.827	62.433	-0.606
50	23	61.648	61.701	-0.053
50	24	61.992	62.733	-0.741
50	25	61.778	63.235	-1.456
55	26	61.961	62.665	-0.704
55	27	61.039	62.257	-1.218
55	28	61.215	61.921	-0.707
55	29	61.948	63.637	-1.689
55	31	61.922	63.286	-1.364
Max		63.120	63.808	0.244
Average		62.212	62.897	-0.685
Min		61.039	61.701	-1.689
Std Dev		0.567	0.539	0.508



51.1 __LsRdson LowSide/SW1							
Test Site							
Tester							
Test Number							
Max Limit	66		MΩ				
Min Limit	28		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000	28.000	28.000
Min	62.059	62.943	62.261	62.207	62.277	61.701	61.921
Average	62.870	63.242	62.905	62.784	63.030	62.684	62.753
Max	63.618	63.442	63.658	63.247	63.808	63.320	63.637
UL	66.000	66.000	66.000	66.000	66.000	66.000	66.000

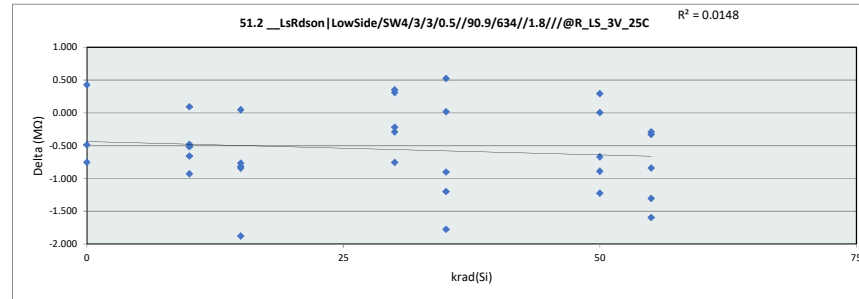


TID HDR Report

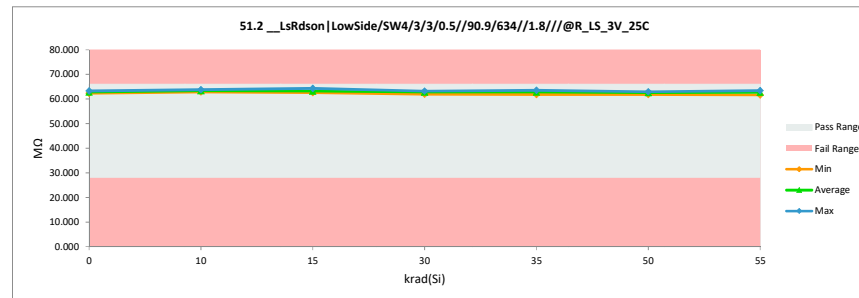
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

51.2 __LsRdson LowSide/SW4/3/3/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	68		66	
Min Limit	20.4		28	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	62.766	62.340	0.425
0	98	62.765	63.254	-0.489
0	99	62.293	63.046	-0.753
10	1	63.249	63.767	-0.518
10	2	62.390	62.871	-0.481
10	3	62.669	63.598	-0.928
10	4	63.133	63.042	0.091
10	5	62.569	63.227	-0.657
15	6	62.571	63.413	-0.843
15	7	62.433	64.310	-1.877
15	8	61.978	62.747	-0.768
15	9	62.662	62.617	0.045
15	10	61.971	62.789	-0.819
30	11	62.693	62.982	-0.290
30	12	63.548	63.199	0.349
30	13	63.176	62.868	0.308
30	14	61.133	61.889	-0.756
30	15	62.871	63.091	-0.220
35	16	62.304	63.503	-1.199
35	17	61.522	63.298	-1.775
35	18	61.855	61.839	0.016
35	19	62.078	62.981	-0.903
35	20	63.180	62.656	0.524
50	21	63.169	62.878	0.291
50	22	61.776	62.665	-0.889
50	23	61.818	61.815	0.003
50	24	62.149	62.820	-0.671
50	25	61.726	62.950	-1.224
55	26	62.569	62.898	-0.329
55	27	61.128	62.723	-1.595
55	28	61.356	61.646	-0.290
55	29	61.906	63.210	-1.304
55	31	62.514	63.356	-0.842
Max		63.548	64.310	0.524
Average		62.361	62.918	-0.557
Min		61.128	61.646	-1.877
Std Dev		0.625	0.565	0.628



51.2 __LsRdson LowSide/SW4/3/3/0.5//90.9/634//1.8///@R_LS_3V_25C							
Test Site							
Tester							
Test Number							
Max Limit	66		MΩ				
Min Limit	28		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000	28.000	28.000
Min	62.341	62.872	62.617	61.889	61.839	61.815	61.646
Average	62.880	63.301	63.175	62.806	62.855	62.626	62.767
Max	63.254	63.767	64.310	63.199	63.503	62.950	63.356
UL	66.000	66.000	66.000	66.000	66.000	66.000	66.000

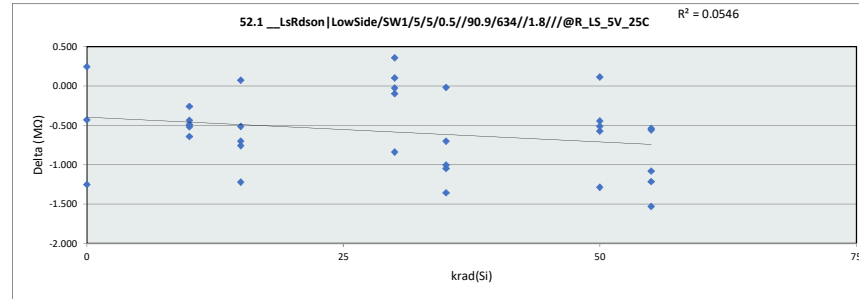


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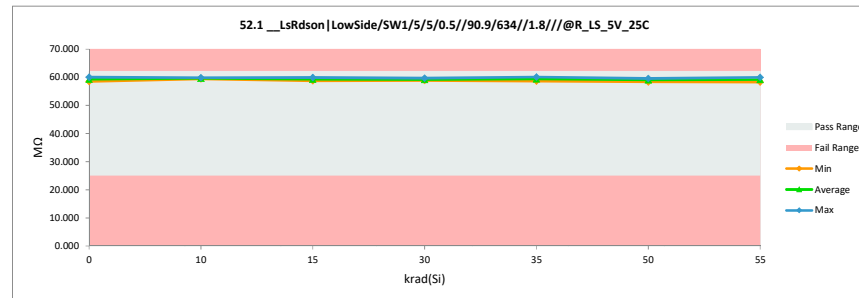
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

52.1 __LsRdson LowSide/SW1/5/5/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	64		62	
Min Limit	17.6		25	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	58.707	58.464	0.243
0	98	58.750	60.001	-1.251
0	99	59.099	59.531	-0.431
10	1	59.594	59.856	-0.261
10	2	59.120	59.611	-0.490
10	3	59.077	59.719	-0.642
10	4	59.035	59.554	-0.519
10	5	58.967	59.404	-0.437
15	6	58.702	59.923	-1.221
15	7	58.782	59.483	-0.701
15	8	58.546	59.303	-0.758
15	9	59.049	58.977	0.072
15	10	58.222	58.737	-0.515
30	11	58.735	58.834	-0.099
30	12	59.534	59.433	0.100
30	13	59.628	59.655	-0.027
30	14	58.135	58.974	-0.840
30	15	59.607	59.251	0.357
35	16	59.057	60.062	-1.004
35	17	58.165	59.522	-1.357
35	18	57.975	58.675	-0.701
35	19	58.308	59.356	-1.048
35	20	59.201	59.221	-0.020
50	21	59.049	59.562	-0.513
50	22	58.375	58.822	-0.446
50	23	58.445	58.333	0.113
50	24	58.465	59.040	-0.574
50	25	58.233	59.519	-1.287
55	26	58.438	58.977	-0.539
55	27	57.880	58.962	-1.082
55	28	57.775	58.335	-0.560
55	29	58.450	59.980	-1.530
55	31	58.373	59.588	-1.215
Max		59.628	60.062	0.357
Average		58.712	59.293	-0.581
Min		57.775	58.333	-1.530
Std Dev		0.507	0.477	0.500



52.1 __LsRdson LowSide/SW1							
Test Site							
Tester							
Test Number							
Max Limit	62		MΩ				
Min Limit	25		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Min	58.464	59.404	58.738	58.834	58.676	58.333	58.335
Average	59.332	59.629	59.285	59.230	59.367	59.055	59.168
Max	60.001	59.856	59.923	59.655	60.062	59.562	59.980
UL	62.000	62.000	62.000	62.000	62.000	62.000	62.000

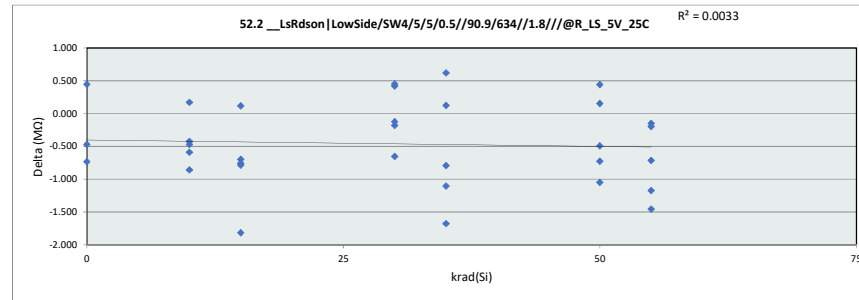


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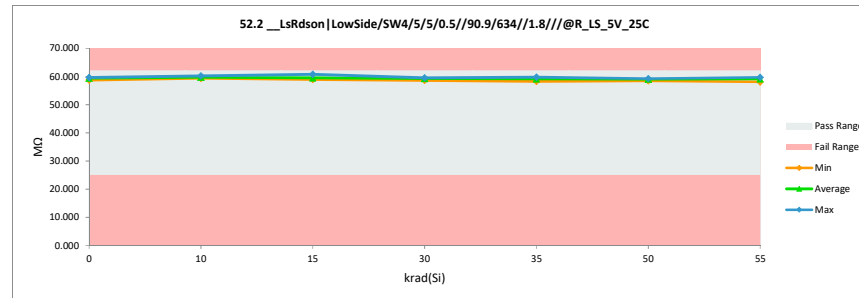
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

52.2 __LsRdson LowSide/SW4/5/5/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	64		62	
Min Limit	17.6		25	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	59.229	58.780	0.448
0	98	59.206	59.676	-0.470
0	99	58.951	59.684	-0.733
10	1	59.756	60.226	-0.471
10	2	59.147	59.570	-0.424
10	3	59.101	59.958	-0.857
10	4	59.520	59.349	0.170
10	5	58.895	59.486	-0.590
15	6	58.932	59.716	-0.784
15	7	58.972	60.789	-1.816
15	8	58.441	59.138	-0.697
15	9	59.105	58.987	0.119
15	10	58.503	59.257	-0.754
30	11	59.187	59.367	-0.179
30	12	59.983	59.532	0.452
30	13	59.717	59.295	0.422
30	14	58.025	58.677	-0.652
30	15	59.390	59.513	-0.123
35	16	58.710	59.814	-1.104
35	17	57.992	59.668	-1.676
35	18	58.417	58.291	0.126
35	19	58.519	59.311	-0.793
35	20	59.708	59.088	0.620
50	21	59.637	59.194	0.443
50	22	58.335	59.060	-0.725
50	23	58.638	58.484	0.154
50	24	58.668	59.159	-0.491
50	25	58.209	59.256	-1.047
55	26	59.043	59.240	-0.197
55	27	57.996	59.452	-1.456
55	28	57.954	58.102	-0.148
55	29	58.436	59.609	-1.173
55	31	59.016	59.729	-0.713
Max		59.983	60.789	0.620
Average		58.889	59.347	-0.458
Min		57.954	58.102	-1.816
Std Dev		0.561	0.526	0.627



52.2 __LsRdson LowSide/SW4/5/5/0.5//90.9/634//1.8///@R_LS_5V_25C							
Test Site							
Tester							
Test Number							
Max Limit	62		MΩ				
Min Limit	25		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	25.000	25.000	25.000	25.000	25.000	25.000	25.000
Min	58.780	59.349	58.987	58.677	58.291	58.484	58.102
Average	59.380	59.718	59.577	59.277	59.234	59.031	59.226
Max	59.684	60.226	60.789	59.532	59.814	59.256	59.729
UL	62.000	62.000	62.000	62.000	62.000	62.000	62.000

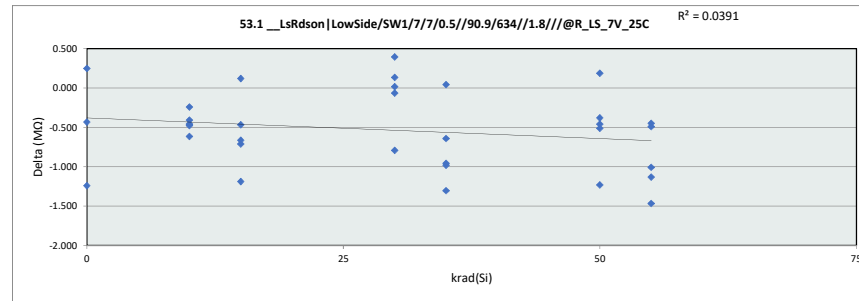


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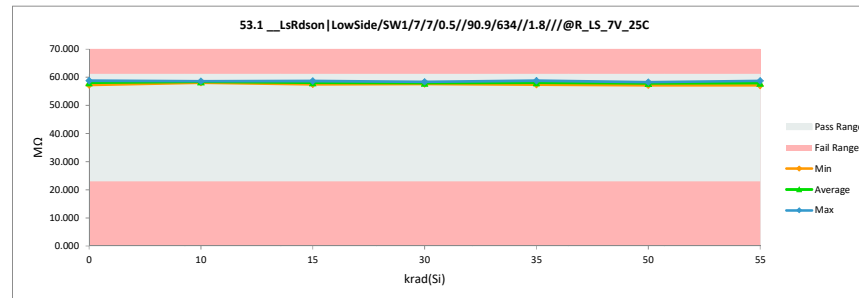
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

53.1 __LsRdson LowSide/SW1/7/7/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	63		61	
Min Limit	15.4		23	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	57.476	57.228	0.248
0	98	57.497	58.738	-1.241
0	99	57.895	58.329	-0.434
10	1	58.359	58.602	-0.243
10	2	57.952	58.412	-0.460
10	3	57.824	58.440	-0.616
10	4	57.777	58.254	-0.477
10	5	57.685	58.094	-0.409
15	6	57.435	58.625	-1.189
15	7	57.563	58.227	-0.664
15	8	57.312	58.025	-0.712
15	9	57.819	57.700	0.119
15	10	57.017	57.486	-0.469
30	11	57.502	57.569	-0.066
30	12	58.279	58.146	0.133
30	13	58.403	58.389	0.015
30	14	57.005	57.798	-0.793
30	15	58.382	57.990	0.392
35	16	57.815	58.773	-0.958
35	17	56.945	58.251	-1.305
35	18	56.772	57.416	-0.644
35	19	57.089	58.071	-0.982
35	20	57.998	57.957	0.042
50	21	57.801	58.260	-0.459
50	22	57.160	57.542	-0.381
50	23	57.290	57.104	0.186
50	24	57.245	57.757	-0.512
50	25	56.995	58.227	-1.232
55	26	57.246	57.696	-0.450
55	27	56.772	57.780	-1.007
55	28	56.583	57.075	-0.492
55	29	57.245	58.713	-1.468
55	31	57.152	58.285	-1.133
Max		58.403	58.773	0.392
Average		57.494	58.029	-0.535
Min		56.583	57.075	-1.468
Std Dev		0.490	0.468	0.495



53.1 __LsRdson LowSide/SW1							
Test Site							
Tester							
Test Number							
Max Limit	61		MΩ				
Min Limit	23		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	23.000	23.000	23.000	23.000	23.000	23.000	23.000
Min	57.228	58.094	57.486	57.569	57.416	57.104	57.075
Average	58.098	58.360	58.013	57.978	58.093	57.778	57.910
Max	58.738	58.602	58.625	58.389	58.773	58.260	58.713
UL	61.000	61.000	61.000	61.000	61.000	61.000	61.000

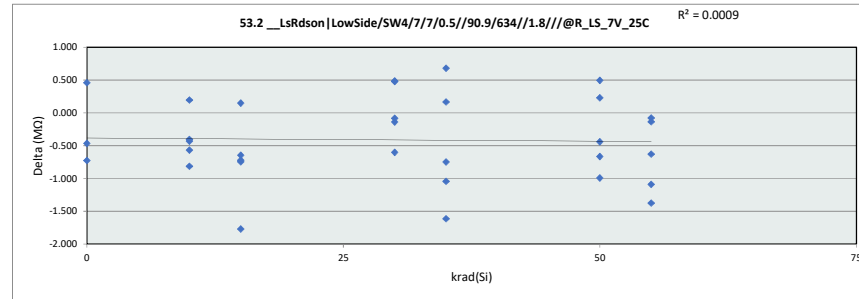


TID HDR Report

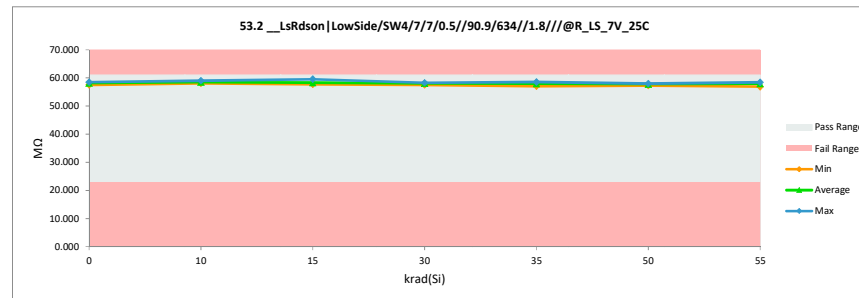
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

53.2 __LsRdson LowSide/SW4/7/7/0.5//90.9				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	63		61	
Min Limit	15.4		23	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	57.990	57.532	0.458
0	98	57.962	58.427	-0.466
0	99	57.758	58.485	-0.727
10	1	58.533	58.965	-0.432
10	2	57.975	58.379	-0.404
10	3	57.868	58.683	-0.815
10	4	58.255	58.060	0.195
10	5	57.630	58.199	-0.569
15	6	57.685	58.431	-0.746
15	7	57.766	59.536	-1.770
15	8	57.218	57.864	-0.646
15	9	57.869	57.721	0.149
15	10	57.286	58.007	-0.721
30	11	57.960	58.100	-0.140
30	12	58.733	58.249	0.484
30	13	58.498	58.020	0.478
30	14	56.904	57.506	-0.602
30	15	58.173	58.257	-0.084
35	16	57.487	58.530	-1.043
35	17	56.787	58.402	-1.615
35	18	57.212	57.046	0.166
35	19	57.290	58.040	-0.750
35	20	58.510	57.830	0.680
50	21	58.400	57.907	0.493
50	22	57.122	57.789	-0.667
50	23	57.494	57.265	0.228
50	24	57.444	57.887	-0.442
50	25	56.979	57.972	-0.993
55	26	57.822	57.960	-0.138
55	27	56.897	58.272	-1.376
55	28	56.778	56.856	-0.078
55	29	57.256	58.346	-1.090
55	31	57.808	58.438	-0.630
Max		58.733	59.536	0.680
Average		57.677	58.090	-0.412
Min		56.778	56.856	-1.770
Std Dev		0.543	0.520	0.622



53.2 __LsRdson LowSide/SW4/7/7/0.5//90.9/634//1.8//@R_LS_7V_25C							
Test Site							
Tester							
Test Number							
Max Limit	61		MΩ				
Min Limit	23		MΩ				
krad(Si)	0	10	15	30	35	50	55
LL	23.000	23.000	23.000	23.000	23.000	23.000	23.000
Min	57.532	58.060	57.721	57.506	57.046	57.266	56.856
Average	58.148	58.457	58.312	58.026	57.970	57.764	57.974
Max	58.485	58.965	59.536	58.257	58.530	57.972	58.438
UL	61.000	61.000	61.000	61.000	61.000	61.000	61.000



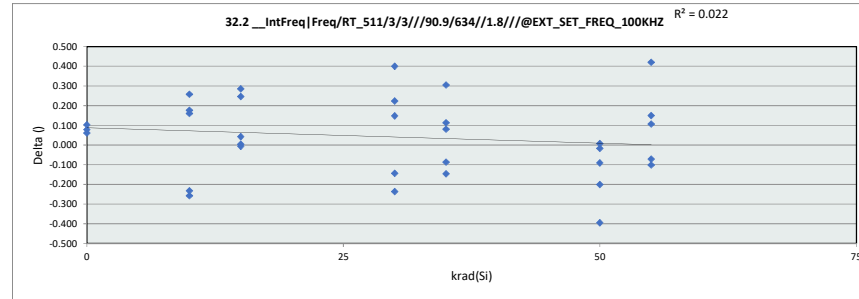
TID HDR Report

TPS7H4102-SEP

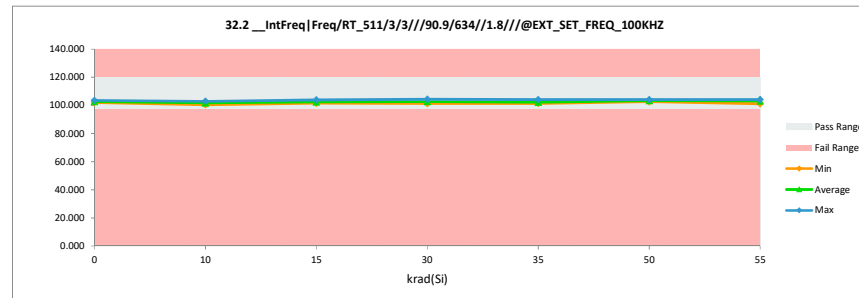
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

32.2 __IntFreq Freq/RT_511/3/3///90.9/634		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	120	119.7
Min Limit	97	97.3

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	102.183	102.105	0.078
0	98	103.591	103.489	0.102
0	99	102.395	102.334	0.061
10	1	101.269	101.502	-0.232
10	2	101.946	101.770	0.176
10	3	100.578	100.321	0.257
10	4	103.076	102.915	0.160
10	5	101.657	101.914	-0.257
15	6	101.932	101.938	-0.007
15	7	103.899	103.895	0.004
15	8	101.921	101.636	0.285
15	9	101.706	101.460	0.246
15	10	103.328	103.286	0.042
30	11	101.388	101.240	0.148
30	12	103.296	103.073	0.223
30	13	101.806	101.951	-0.144
30	14	104.710	104.310	0.400
30	15	102.070	102.306	-0.236
35	16	101.633	101.329	0.304
35	17	101.904	101.824	0.080
35	18	101.472	101.559	-0.087
35	19	102.005	101.893	0.113
35	20	103.970	104.116	-0.146
50	21	102.571	102.564	0.007
50	22	103.249	103.449	-0.201
50	23	103.340	103.357	-0.017
50	24	103.995	104.086	-0.091
50	25	102.546	102.941	-0.395
55	26	104.136	103.717	0.419
55	27	103.839	103.690	0.149
55	28	101.311	101.204	0.107
55	29	103.320	103.391	-0.071
55	31	103.953	104.055	-0.102
Max		104.710	104.310	0.419
Average		102.606	102.564	0.042
Min		100.578	100.321	-0.395
Std Dev		1.055	1.059	0.196



32.2 __IntFreq Freq/RT_511/							
Test Site							
Tester							
Test Number							
Max Limit	119.7						
Min Limit	97.3						
krad(Si)	0	10	15	30	35	50	55
LL	97.300	97.300	97.300	97.300	97.300	97.300	97.300
Min	102.105	100.321	101.460	101.240	101.329	102.564	101.204
Average	102.643	101.684	102.443	102.576	102.144	103.279	103.211
Max	103.489	102.916	103.895	104.310	104.116	104.086	104.055
UL	119.700	119.700	119.700	119.700	119.700	119.700	119.700

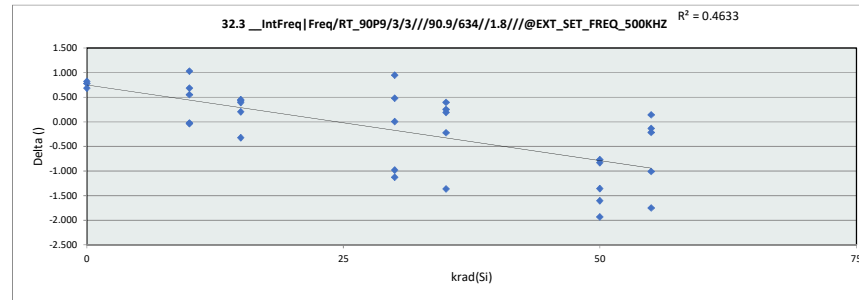


TID HDR Report

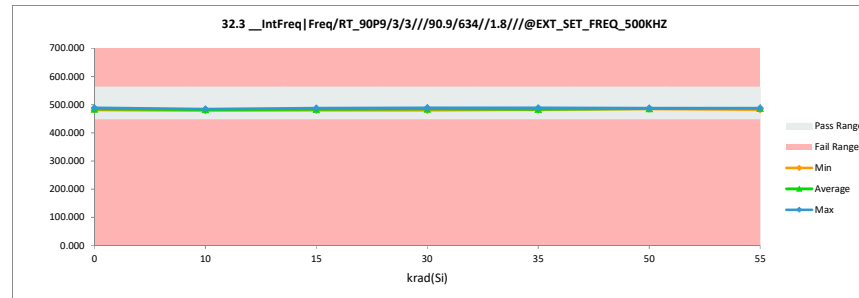
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

32.3 __IntFreq Freq/RT_90P9/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	564	562.5		
Min Limit	446	447.5		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	482.240	481.419	0.821
0	98	489.202	488.422	0.779
0	99	485.707	485.023	0.684
10	1	483.122	483.159	-0.037
10	2	485.463	484.910	0.553
10	3	480.241	479.210	1.031
10	4	484.968	484.284	0.684
10	5	482.420	482.445	-0.025
15	6	483.334	482.885	0.449
15	7	487.560	487.358	0.202
15	8	481.581	481.190	0.391
15	9	481.434	481.006	0.427
15	10	486.336	486.659	-0.324
30	11	480.372	480.366	0.007
30	12	487.715	487.236	0.479
30	13	483.390	484.369	-0.979
30	14	490.460	489.512	0.948
30	15	483.727	484.853	-1.126
35	16	482.590	482.194	0.396
35	17	483.085	482.893	0.191
35	18	482.578	482.800	-0.223
35	19	482.770	482.516	0.254
35	20	487.324	488.687	-1.362
50	21	484.230	484.999	-0.770
50	22	484.176	485.533	-1.357
50	23	485.879	486.709	-0.830
50	24	486.276	487.881	-1.605
50	25	482.565	484.498	-1.933
55	26	486.818	487.034	-0.216
55	27	487.987	488.122	-0.136
55	28	482.866	482.725	0.141
55	29	486.302	488.053	-1.752
55	31	486.702	487.711	-1.009
Max		490.460	489.512	1.031
Average		484.588	484.747	-0.159
Min		480.241	479.210	-1.933
Std Dev		2.551	2.746	0.840



32.3 __IntFreq Freq/RT_90P9							
Test Site							
Tester							
Test Number							
Max Limit	562.5						
Min Limit	447.5						
krad(Si)	0	10	15	30	35	50	55
LL	447.500	447.500	447.500	447.500	447.500	447.500	447.500
Min	481.419	479.210	481.006	480.366	482.194	484.498	482.725
Average	484.955	482.802	483.820	485.267	483.818	485.924	486.729
Max	488.422	484.910	487.358	489.512	488.687	487.881	488.122
UL	562.500	562.500	562.500	562.500	562.500	562.500	562.500

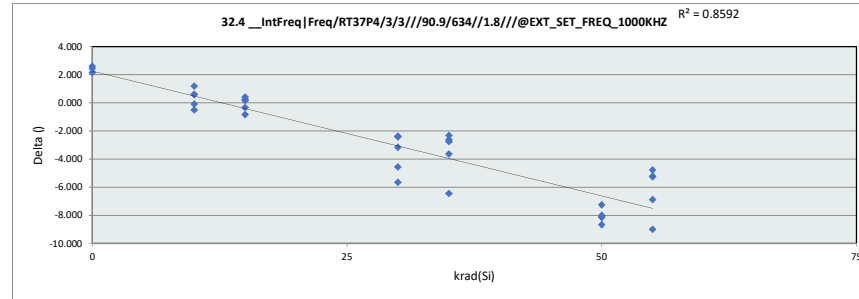


TID HDR Report

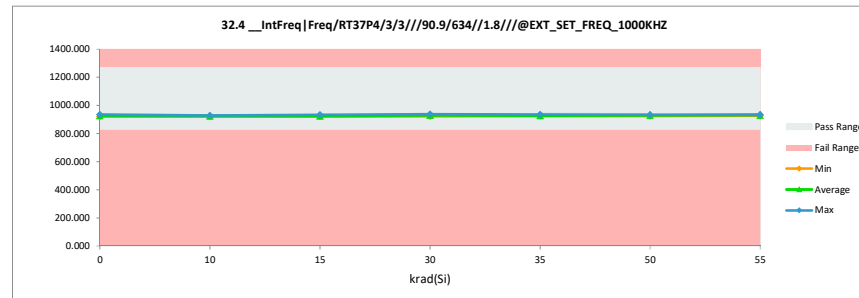
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

32.4 __IntFreq Freq/RT37P4/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1280	1267		
Min Limit	812	825		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	922.817	920.380	2.438
0	98	936.534	933.939	2.595
0	99	930.104	927.953	2.150
10	1	925.545	926.057	-0.513
10	2	929.574	928.980	0.595
10	3	920.084	918.902	1.182
10	4	925.291	924.701	0.590
10	5	924.362	924.454	-0.092
15	6	923.332	923.171	0.162
15	7	932.225	932.567	-0.341
15	8	920.274	920.051	0.223
15	9	919.333	918.923	0.410
15	10	930.270	931.110	-0.840
30	11	918.383	921.544	-3.160
30	12	928.671	931.049	-2.378
30	13	922.107	926.670	-4.564
30	14	935.267	937.684	-2.417
30	15	923.034	928.690	-5.656
35	16	923.917	926.679	-2.762
35	17	921.125	923.748	-2.623
35	18	921.121	924.761	-3.640
35	19	921.476	923.798	-2.322
35	20	929.420	935.864	-6.443
50	21	924.532	932.670	-8.138
50	22	920.936	928.938	-8.002
50	23	924.272	931.521	-7.249
50	24	922.029	930.698	-8.669
50	25	916.575	924.669	-8.094
55	26	922.784	928.005	-5.221
55	27	926.369	931.621	-5.252
55	28	921.141	925.921	-4.780
55	29	924.928	933.920	-8.993
55	31	923.923	930.807	-6.884
	Max	936.534	937.684	2.595
	Average	924.599	927.589	-2.991
	Min	916.575	918.902	-8.993
	Std Dev	4.676	4.902	3.553



32.4 __IntFreq Freq/RT37P4/							
Test Site							
Tester							
Test Number							
Max Limit	1267						
Min Limit	825						
krad(Si)	0	10	15	30	35	50	55
LL	825.000	825.000	825.000	825.000	825.000	825.000	825.000
Min	920.380	918.902	918.923	921.544	923.748	924.670	925.921
Average	927.424	924.619	925.164	929.127	926.970	929.699	930.055
Max	933.939	928.980	932.567	937.684	935.864	932.670	933.921
UL	1267.000	1267.000	1267.000	1267.000	1267.000	1267.000	1267.000



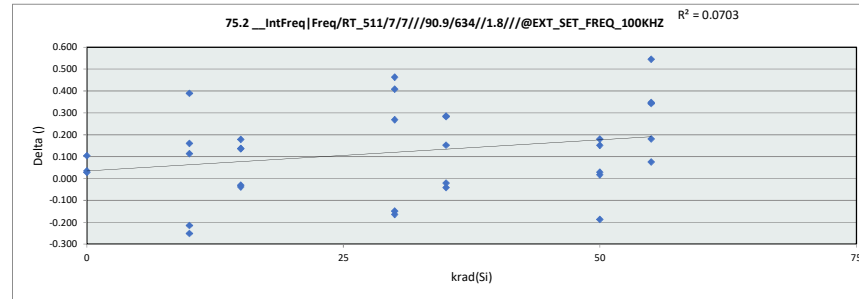
TID HDR Report

TPS7H4102-SEP

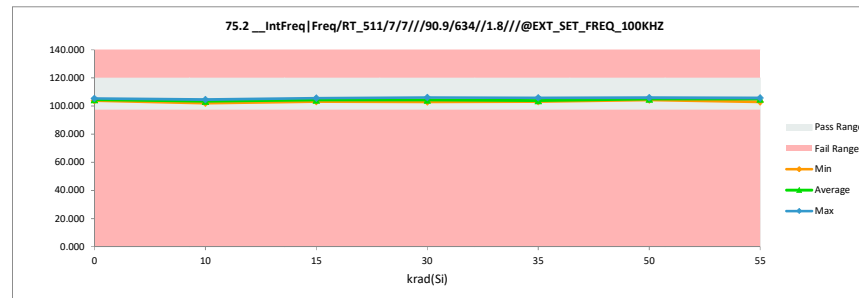
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

75.2 __IntFreq Freq/RT_511/7/7///90.9/634		
Test Site		
Tester		
Test Number		
Unit		
Max Limit	120	119.7
Min Limit	97	97.3

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	103.785	103.751	0.034
0	98	105.431	105.327	0.104
0	99	104.156	104.128	0.028
10	1	103.087	103.338	-0.252
10	2	103.777	103.617	0.160
10	3	102.282	101.893	0.389
10	4	104.687	104.573	0.114
10	5	103.297	103.511	-0.215
15	6	103.695	103.726	-0.031
15	7	105.578	105.617	-0.039
15	8	103.561	103.424	0.137
15	9	103.408	103.229	0.179
15	10	105.061	104.924	0.136
30	11	103.251	102.983	0.268
30	12	105.060	104.651	0.408
30	13	103.669	103.818	-0.149
30	14	106.557	106.095	0.463
30	15	103.952	104.117	-0.165
35	16	103.398	103.116	0.282
35	17	103.693	103.540	0.152
35	18	103.259	103.301	-0.041
35	19	103.713	103.428	0.285
35	20	105.810	105.831	-0.021
50	21	104.394	104.214	0.180
50	22	105.079	105.063	0.017
50	23	105.336	105.184	0.152
50	24	105.923	105.894	0.029
50	25	104.476	104.663	-0.187
55	26	106.019	105.474	0.545
55	27	105.838	105.491	0.348
55	28	103.314	102.972	0.342
55	29	105.293	105.218	0.076
55	31	105.886	105.706	0.181
Max		106.557	106.095	0.545
Average		104.416	104.297	0.118
Min		102.282	101.893	-0.252
Std Dev		1.095	1.068	0.200



75.2 __IntFreq Freq/RT_511/							
Test Site							
Tester							
Test Number							
Max Limit	119.7						
Min Limit	97.3						
krad(Si)	0	10	15	30	35	50	55
LL	97.300	97.300	97.300	97.300	97.300	97.300	97.300
Min	103.751	101.893	103.229	102.983	103.116	104.214	102.972
Average	104.402	103.387	104.184	104.333	103.843	105.003	104.972
Max	105.327	104.573	105.617	106.095	105.831	105.894	105.706
UL	119.700	119.700	119.700	119.700	119.700	119.700	119.700

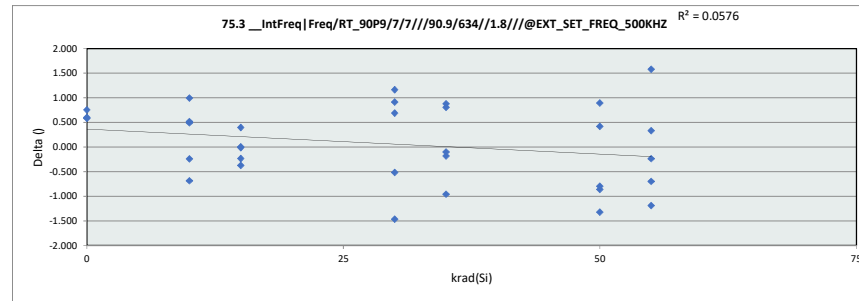


TID HDR Report

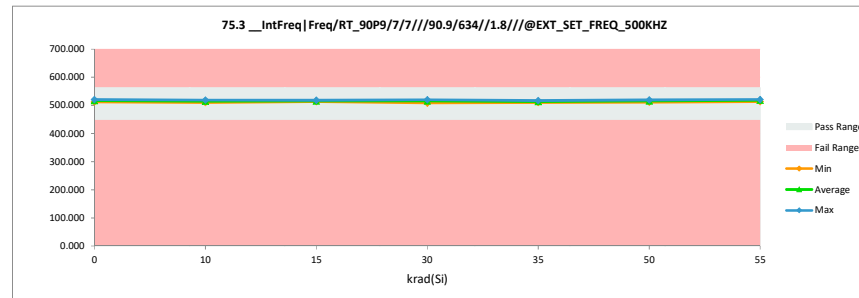
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

75.3 __IntFreq Freq/RT_90P9/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	564	562.5		
Min Limit	446	447.5		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	512.716	512.115	0.602
0	98	521.137	520.383	0.755
0	99	517.999	517.419	0.580
10	1	513.392	513.634	-0.242
10	2	519.094	518.604	0.491
10	3	510.948	509.953	0.995
10	4	516.662	516.146	0.516
10	5	511.195	511.881	-0.685
15	6	515.568	515.582	-0.014
15	7	517.818	518.052	-0.234
15	8	513.326	513.324	0.001
15	9	513.306	512.910	0.396
15	10	515.853	516.227	-0.374
30	11	509.348	508.184	1.164
30	12	520.912	520.225	0.688
30	13	516.615	518.080	-1.465
30	14	520.694	519.780	0.914
30	15	513.833	514.349	-0.516
35	16	511.129	510.324	0.805
35	17	514.187	514.369	-0.182
35	18	513.725	513.826	-0.102
35	19	511.805	510.926	0.879
35	20	516.140	517.098	-0.958
50	21	512.612	511.718	0.894
50	22	513.782	513.364	0.418
50	23	517.096	517.958	-0.861
50	24	518.744	519.539	-0.796
50	25	515.000	516.322	-1.322
55	26	517.911	518.611	-0.700
55	27	521.117	520.784	0.332
55	28	514.768	513.191	1.577
55	29	516.322	517.512	-1.190
55	31	518.416	518.654	-0.238
Max		521.137	520.784	1.577
Average		515.551	515.486	0.064
Min		509.348	508.184	-1.465
Std Dev		3.195	3.401	0.783



75.3 __IntFreq Freq/RT_90P9							
Test Site							
Tester							
Test Number							
Max Limit	562.5						
Min Limit	447.5						
krad(Si)	0	10	15	30	35	50	55
LL	447.500	447.500	447.500	447.500	447.500	447.500	447.500
Min	512.115	509.953	512.910	508.184	510.324	511.718	513.191
Average	516.639	514.044	515.219	516.123	513.309	515.780	517.750
Max	520.383	518.604	518.052	520.225	517.098	519.539	520.784
UL	562.500	562.500	562.500	562.500	562.500	562.500	562.500



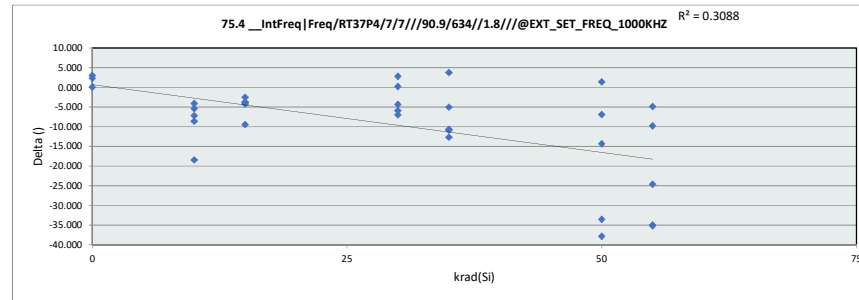
TID HDR Report

TPS7H4102-SEP

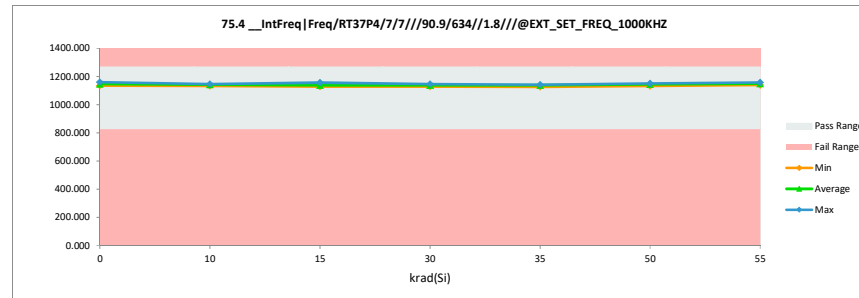
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

75.4 __IntFreq Freq/RT37P4/7/7///90.9/634			
Test Site			
Tester			
Test Number			
Unit			
Max Limit	1280	1267	
Min Limit	812	825	

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1137.512	1135.163	2.349
0	98	1160.534	1160.478	0.056
0	99	1149.885	1146.878	3.007
10	1	1123.151	1141.589	-18.437
10	2	1140.200	1147.365	-7.165
10	3	1129.399	1133.501	-4.102
10	4	1136.017	1141.422	-5.405
10	5	1137.182	1145.766	-8.584
15	6	1132.965	1136.814	-3.849
15	7	1152.303	1156.511	-4.208
15	8	1127.355	1129.875	-2.520
15	9	1129.323	1133.033	-3.710
15	10	1126.176	1135.613	-9.438
30	11	1123.783	1128.131	-4.348
30	12	1141.263	1147.191	-5.928
30	13	1130.980	1137.961	-6.980
30	14	1144.774	1141.965	2.809
30	15	1132.133	1131.902	0.231
35	16	1131.016	1127.255	3.761
35	17	1130.177	1140.802	-10.626
35	18	1131.634	1142.492	-10.858
35	19	1126.723	1139.400	-12.677
35	20	1137.724	1142.763	-5.038
50	21	1134.017	1132.628	1.388
50	22	1104.527	1142.341	-37.813
50	23	1136.418	1150.769	-14.351
50	24	1144.749	1151.655	-6.906
50	25	1112.289	1145.827	-33.538
55	26	1113.541	1148.538	-34.997
55	27	1122.940	1158.098	-35.157
55	28	1139.578	1144.444	-4.866
55	29	1115.477	1140.091	-24.614
55	31	1142.501	1152.279	-9.778
Max		1160.534	1160.478	3.761
Average		1132.674	1142.138	-9.463
Min		1104.527	1127.255	-37.813
Std Dev		11.721	8.453	11.524



75.4 __IntFreq Freq/RT37P4/							
Test Site							
Tester							
Test Number							
Max Limit	1267						
Min Limit	825						
krad(Si)	0	10	15	30	35	50	55
LL	825.000	825.000	825.000	825.000	825.000	825.000	825.000
Min	1135.163	1133.501	1129.875	1128.132	1127.255	1132.628	1140.091
Average	1147.506	1141.928	1138.369	1137.430	1138.542	1144.644	1148.690
Max	1160.478	1147.365	1156.511	1147.191	1142.763	1151.655	1158.098
UL	1267.000	1267.000	1267.000	1267.000	1267.000	1267.000	1267.000

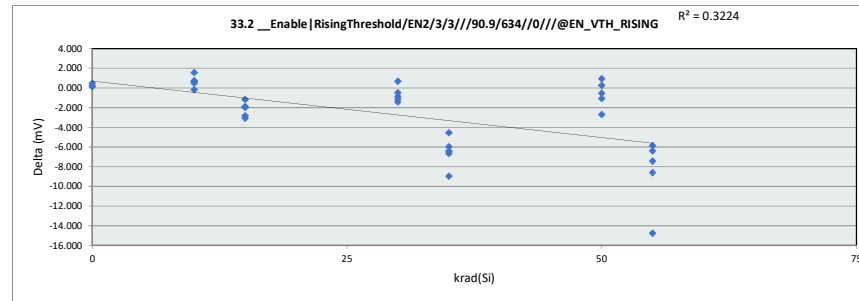


TID HDR Report

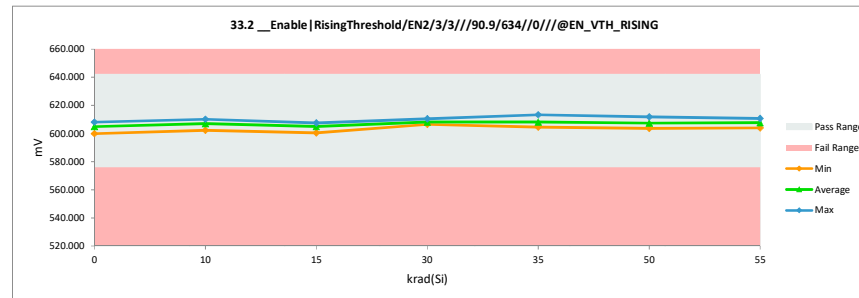
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

33.2 __Enable RisingThreshold/EN2/3/3///90.9/634/0///@EN_VTH_RISING				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		645	642	
Min Limit		573	576	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	606.993	606.864	0.129
0	98	608.279	608.071	0.208
0	99	600.355	599.869	0.486
10	1	610.569	610.081	0.487
10	2	608.931	608.260	0.671
10	3	610.580	609.848	0.732
10	4	604.693	604.875	-0.182
10	5	603.781	602.234	1.547
15	6	604.154	606.044	-1.890
15	7	604.396	607.228	-2.832
15	8	605.479	607.468	-1.989
15	9	599.265	600.448	-1.183
15	10	600.786	603.863	-3.077
30	11	607.337	608.210	-0.874
30	12	605.344	606.473	-1.128
30	13	607.262	606.582	0.680
30	14	609.946	610.445	-0.500
30	15	607.828	609.250	-1.422
35	16	606.947	613.346	-6.400
35	17	597.444	606.399	-8.955
35	18	598.624	604.589	-5.965
35	19	604.428	608.977	-4.549
35	20	601.088	607.753	-6.665
50	21	608.910	608.648	0.261
50	22	606.890	607.427	-0.537
50	23	602.582	603.654	-1.072
50	24	612.784	611.850	0.934
50	25	602.735	605.442	-2.707
55	26	604.283	610.682	-6.399
55	27	589.180	603.943	-14.763
55	28	599.895	607.330	-7.435
55	29	602.972	608.822	-5.850
55	31	599.398	608.006	-8.607
Max		612.784	613.346	1.547
Average		604.368	607.060	-2.692
Min		589.180	599.869	-14.763
Std Dev		4.735	3.008	3.750



33.2 __Enable RisingThreshold/EN2/3/3///90.9/634/0///@EN_VTH_RISING							
Test Site							
Tester							
Test Number							
Max Limit		642	mV				
Min Limit		576	mV				
krad(Si)	0	10	15	30	35	50	55
LL	576.000	576.000	576.000	576.000	576.000	576.000	576.000
Min	599.869	602.234	600.448	606.473	604.589	603.654	603.943
Average	604.935	607.060	605.010	608.192	608.213	607.404	607.757
Max	608.071	610.082	607.468	610.445	613.346	611.850	610.682
UL	642.000	642.000	642.000	642.000	642.000	642.000	642.000



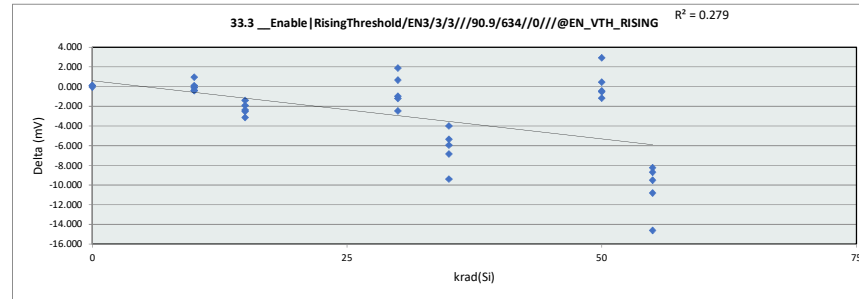
TID HDR Report

TPS7H4102-SEP

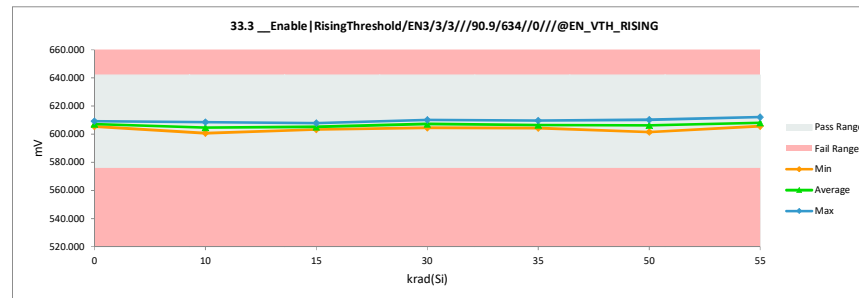
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

33.3 __Enable RisingThreshold/EN3/3/3///90.9/634//0///@EN_VTH_RISING		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	605.566	605.461	0.105
0	98	606.706	606.760	-0.054
0	99	609.277	609.186	0.091
10	1	608.045	607.087	0.958
10	2	604.247	604.655	-0.407
10	3	608.407	608.518	-0.111
10	4	600.244	600.648	-0.404
10	5	602.339	602.241	0.098
15	6	601.323	603.245	-1.922
15	7	602.374	605.516	-3.142
15	8	601.327	603.852	-2.525
15	9	606.394	607.798	-1.404
15	10	603.201	605.584	-2.383
30	11	602.015	604.498	-2.483
30	12	610.323	608.451	1.873
30	13	608.954	610.155	-1.201
30	14	606.489	605.823	0.666
30	15	606.299	607.287	-0.988
35	16	601.806	605.804	-3.998
35	17	600.277	609.675	-9.398
35	18	601.839	607.199	-5.359
35	19	597.486	604.332	-6.846
35	20	599.459	605.419	-5.960
50	21	603.676	604.852	-1.176
50	22	609.803	610.244	-0.441
50	23	607.577	608.100	-0.523
50	24	607.203	606.758	0.445
50	25	604.437	601.522	2.915
55	26	602.589	612.093	-9.504
55	27	591.374	605.992	-14.617
55	28	597.410	605.653	-8.244
55	29	599.698	610.502	-10.804
55	31	597.656	606.362	-8.706
Max		610.323	612.093	2.915
Average		603.510	606.402	-2.892
Min		591.374	600.648	-14.617
Std Dev		4.304	2.628	4.168



33.3 __Enable RisingThreshold/EN3/3/3///90.9/634//0///@EN_VTH_RISING							
Test Site							
Tester							
Test Number							
Max Limit	642						mV
Min Limit	576						mV
krad(Si)	0	10	15	30	35	50	55
LL	576.000	576.000	576.000	576.000	576.000	576.000	576.000
Min	605.461	600.648	603.245	604.498	604.332	601.522	605.653
Average	607.136	604.630	605.199	607.243	606.486	606.295	608.120
Max	609.186	608.518	607.798	610.155	609.675	610.244	612.093
UL	642.000	642.000	642.000	642.000	642.000	642.000	642.000

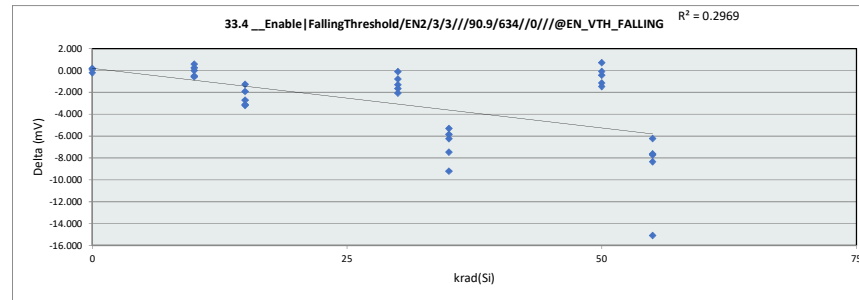


TID HDR Report

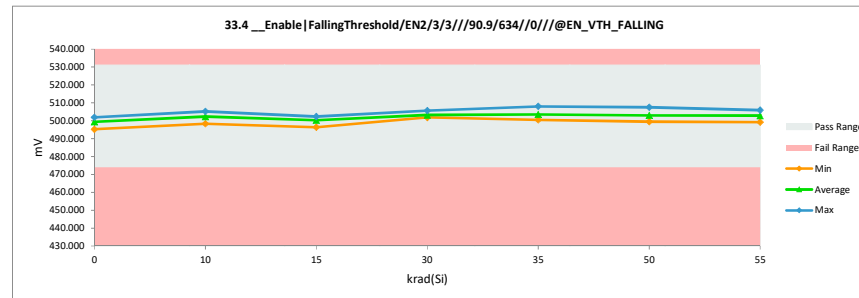
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

33.4 __Enable FallingThreshold/EN2/3/3///90.9/634/0/0///@EN_VTH_FALLING				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	532	531		
Min Limit	473	474		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	501.132	501.017	0.115
0	98	502.089	501.910	0.179
0	99	494.993	495.208	-0.215
10	1	504.622	505.203	-0.581
10	2	503.233	503.240	-0.007
10	3	504.529	503.962	0.567
10	4	500.219	500.727	-0.509
10	5	498.530	498.298	0.233
15	6	498.340	501.061	-2.721
15	7	499.214	502.340	-3.126
15	8	500.981	502.245	-1.264
15	9	494.411	496.345	-1.935
15	10	496.100	499.296	-3.196
30	11	502.379	503.170	-0.790
30	12	500.162	501.822	-1.660
30	13	502.239	502.354	-0.116
30	14	504.319	505.636	-1.318
30	15	501.179	503.257	-2.078
35	16	502.156	508.004	-5.848
35	17	493.015	502.217	-9.202
35	18	494.206	500.445	-6.238
35	19	499.243	504.545	-5.303
35	20	494.845	502.314	-7.468
50	21	504.139	504.236	-0.097
50	22	502.673	503.110	-0.437
50	23	498.314	499.464	-1.150
50	24	508.169	507.467	0.702
50	25	498.824	500.299	-1.475
55	26	498.255	505.883	-7.628
55	27	484.082	499.168	-15.086
55	28	494.396	502.118	-7.722
55	29	498.201	504.429	-6.228
55	31	494.385	502.724	-8.340
Max		508.169	508.004	0.702
Average		499.199	502.228	-3.029
Min		484.082	495.208	-15.086
Std Dev		4.602	2.812	3.709



33.4 __Enable FallingThreshold							
Test Site							
Tester							
Test Number							
Max Limit	531	mV					
Min Limit	474	mV					
krad(Si)	0	10	15	30	35	50	55
LL	474.000	474.000	474.000	474.000	474.000	474.000	474.000
Min	495.208	498.298	496.346	501.822	500.445	499.464	499.168
Average	499.379	502.286	500.258	503.248	503.505	502.915	502.865
Max	501.910	505.203	502.340	505.636	508.004	507.467	505.883
UL	531.000	531.000	531.000	531.000	531.000	531.000	531.000

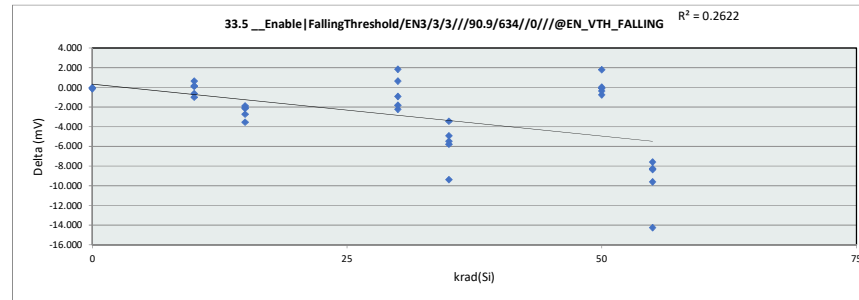


TID HDR Report

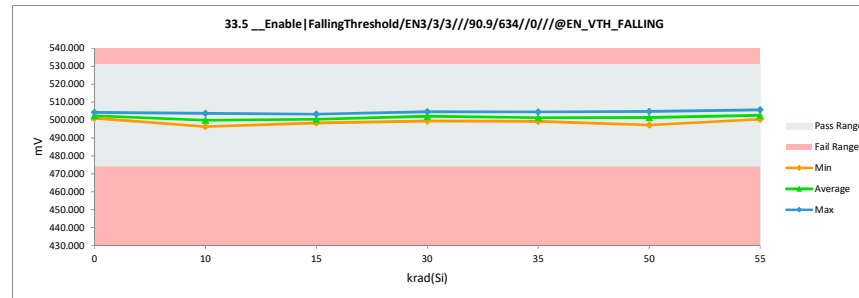
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

33.5 __Enable FallingThreshold/EN3/3/3///90.9/634/0/0///@EN_VTH_FALLING				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	532		531	
Min Limit	473		474	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	500.920	501.059	-0.138
0	98	501.891	501.914	-0.023
0	99	504.262	504.337	-0.074
10	1	502.844	502.203	0.641
10	2	499.250	500.250	-1.000
10	3	503.114	503.750	-0.635
10	4	496.411	496.299	0.112
10	5	497.316	497.163	0.154
15	6	496.298	498.435	-2.137
15	7	497.743	501.284	-3.540
15	8	496.232	498.949	-2.718
15	9	501.315	503.341	-2.025
15	10	498.247	500.125	-1.878
30	11	497.234	499.448	-2.214
30	12	505.202	503.366	1.836
30	13	502.867	504.685	-1.818
30	14	501.869	501.222	0.647
30	15	501.147	502.060	-0.913
35	16	497.005	500.441	-3.436
35	17	495.186	504.556	-9.370
35	18	497.329	502.248	-4.919
35	19	493.465	499.247	-5.782
35	20	494.686	500.155	-5.469
50	21	499.229	499.981	-0.752
50	22	504.419	504.788	-0.369
50	23	502.960	503.050	-0.091
50	24	502.255	502.232	0.024
50	25	499.066	497.274	1.792
55	26	498.109	505.690	-7.581
55	27	486.244	500.503	-14.258
55	28	492.201	500.457	-8.256
55	29	495.802	505.403	-9.601
55	31	493.098	501.451	-8.353
Max		505.202	505.690	1.836
Average		498.643	501.435	-2.792
Min		486.244	496.299	-14.258
Std Dev		4.145	2.420	3.838



33.5 __Enable FallingThreshold							
Test Site							
Tester							
Test Number							
Max Limit	531						
Min Limit	474						
krad(Si)	0	10	15	30	35	50	55
LL	474.000	474.000	474.000	474.000	474.000	474.000	474.000
Min	501.059	496.299	498.435	499.448	499.247	497.274	500.458
Average	502.437	499.933	500.427	502.156	501.329	501.465	502.701
Max	504.337	503.750	503.341	504.685	504.556	504.788	505.690
UL	531.000	531.000	531.000	531.000	531.000	531.000	531.000

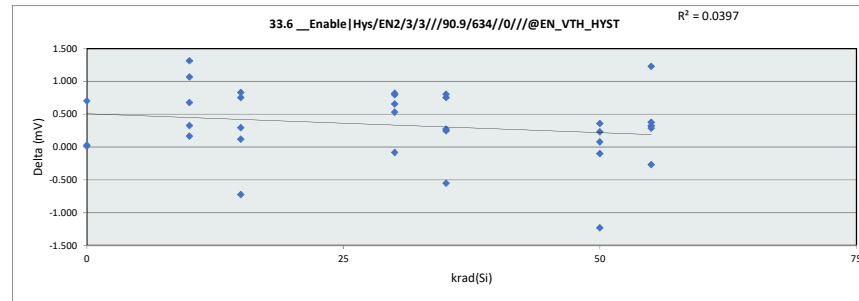


TID HDR Report

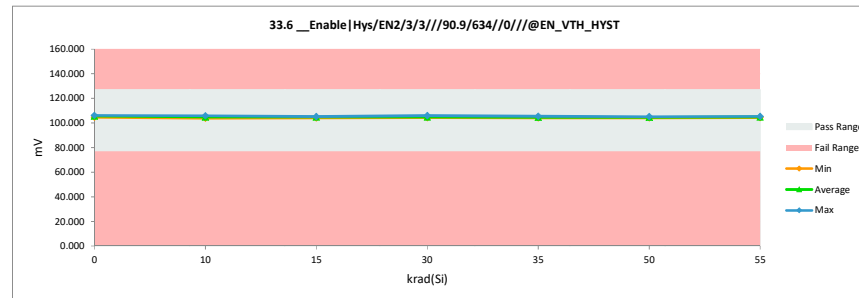
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

33.6 __Enable Hys/EN2/3/3///90.9/634//0/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	130	127		
Min Limit	74	77		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	105.861	105.847	0.014
0	98	106.190	106.161	0.029
0	99	105.362	104.660	0.701
10	1	105.947	104.879	1.068
10	2	105.699	105.020	0.678
10	3	106.051	105.885	0.165
10	4	104.475	104.147	0.327
10	5	105.250	103.936	1.314
15	6	105.814	104.982	0.832
15	7	105.182	104.888	0.294
15	8	104.498	105.223	-0.725
15	9	104.855	104.103	0.752
15	10	104.685	104.566	0.119
30	11	104.958	105.041	-0.083
30	12	105.182	104.650	0.532
30	13	105.023	104.228	0.796
30	14	105.627	104.809	0.818
30	15	106.649	105.993	0.656
35	16	104.791	105.342	-0.552
35	17	104.429	104.183	0.247
35	18	104.418	104.144	0.273
35	19	105.185	104.432	0.754
35	20	106.243	105.440	0.803
50	21	104.771	104.412	0.358
50	22	104.216	104.316	-0.100
50	23	104.268	104.189	0.078
50	24	104.615	104.383	0.232
50	25	103.911	105.143	-1.232
55	26	106.028	104.799	1.229
55	27	105.098	104.776	0.323
55	28	105.499	105.212	0.287
55	29	104.771	104.393	0.378
55	31	105.014	105.281	-0.268
Max		106.649	106.161	1.314
Average		105.169	104.832	0.336
Min		103.911	103.936	-1.232
Std Dev		0.675	0.592	0.542



33.6 __Enable Hys/EN2/3/3/							
Test Site							
Tester							
Test Number							
Max Limit	127	mV					
Min Limit	77	mV					
krad(Si)	0	10	15	30	35	50	55
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	104.661	103.936	104.103	104.228	104.144	104.190	104.393
Average	105.556	104.774	104.752	104.944	104.708	104.489	104.892
Max	106.161	105.886	105.223	105.993	105.440	105.143	105.281
UL	127.000	127.000	127.000	127.000	127.000	127.000	127.000

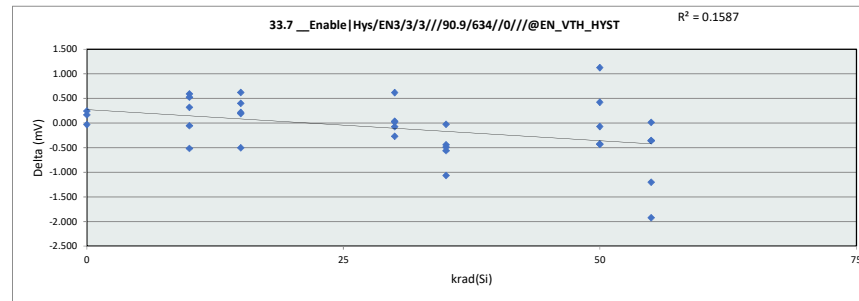


TID HDR Report

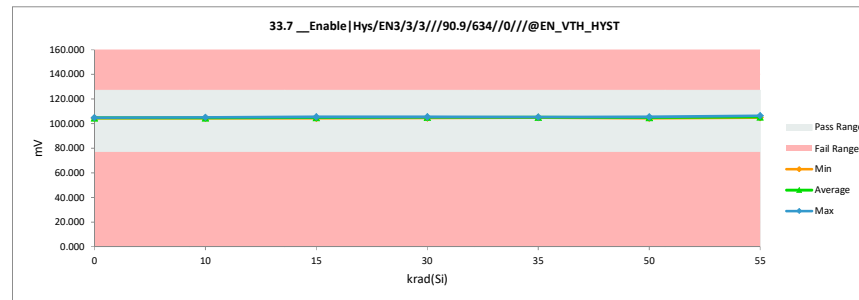
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

33.7 __Enable Hys/EN3/3/3///90.9/634//0/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	130	127		
Min Limit	74	77		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	104.646	104.402	0.244
0	98	104.815	104.846	-0.031
0	99	105.015	104.850	0.165
10	1	105.201	104.884	0.317
10	2	104.997	104.405	0.593
10	3	105.293	104.768	0.525
10	4	103.834	104.349	-0.515
10	5	105.023	105.078	-0.056
15	6	105.024	104.810	0.215
15	7	104.631	104.232	0.399
15	8	105.096	104.903	0.193
15	9	105.079	104.457	0.621
15	10	104.954	105.459	-0.505
30	11	104.781	105.050	-0.269
30	12	105.121	105.085	0.037
30	13	106.087	105.471	0.617
30	14	104.619	104.601	0.018
30	15	105.152	105.227	-0.075
35	16	104.801	105.363	-0.562
35	17	105.091	105.119	-0.028
35	18	104.511	104.951	-0.441
35	19	104.021	105.086	-1.064
35	20	104.774	105.264	-0.490
50	21	104.447	104.871	-0.424
50	22	105.384	105.456	-0.072
50	23	104.618	105.050	-0.432
50	24	104.948	104.527	0.421
50	25	105.372	104.248	1.124
55	26	104.480	106.403	-1.923
55	27	105.130	105.489	-0.359
55	28	105.208	105.196	0.012
55	29	103.896	105.098	-1.203
55	31	104.558	104.911	-0.353
Max		106.087	106.403	1.124
Average		104.867	104.967	-0.100
Min		103.834	104.232	-1.923
Std Dev		0.448	0.444	0.591



33.7 __Enable Hys/EN3/3/3///							
Test Site							
Tester							
Test Number							
Max Limit	127	mV					
Min Limit	77	mV					
krad(Si)	0	10	15	30	35	50	55
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	104.402	104.349	104.232	104.601	104.951	104.248	104.911
Average	104.699	104.697	104.772	105.087	105.157	104.830	105.419
Max	104.850	105.078	105.459	105.471	105.363	105.456	106.403
UL	127.000	127.000	127.000	127.000	127.000	127.000	127.000

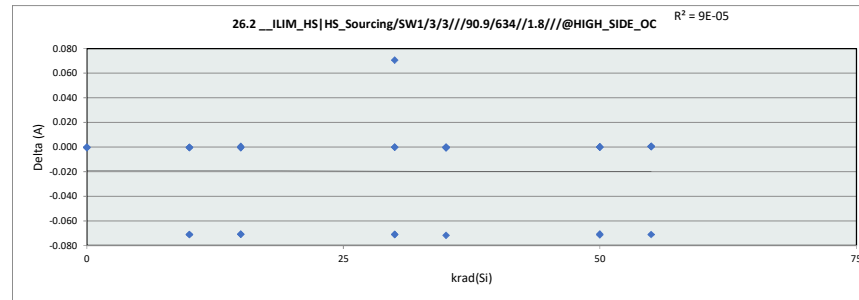


TID HDR Report

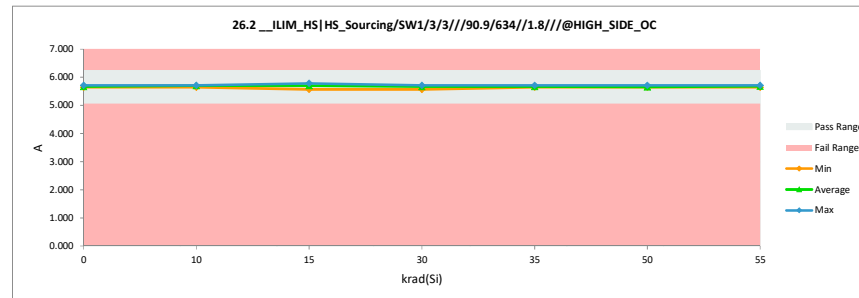
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

26.2 __ILIM_HS HS_Sourcing/SW1/3/3//90				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.24		
Min Limit	5	5.06		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.712	5.712	0.000
0	98	5.641	5.641	-0.001
0	99	5.641	5.641	0.000
10	1	5.712	5.712	0.000
10	2	5.641	5.712	-0.071
10	3	5.641	5.712	-0.071
10	4	5.641	5.641	-0.001
10	5	5.712	5.712	0.000
15	6	5.783	5.782	0.001
15	7	5.570	5.570	0.000
15	8	5.641	5.712	-0.071
15	9	5.712	5.712	0.000
15	10	5.641	5.712	-0.071
30	11	5.499	5.570	-0.071
30	12	5.641	5.641	0.000
30	13	5.783	5.712	0.071
30	14	5.641	5.712	-0.071
30	15	5.712	5.712	0.000
35	16	5.641	5.641	0.000
35	17	5.712	5.712	0.000
35	18	5.712	5.712	0.000
35	19	5.641	5.641	-0.001
35	20	5.570	5.642	-0.072
50	21	5.570	5.641	-0.071
50	22	5.641	5.641	0.000
50	23	5.712	5.712	0.000
50	24	5.641	5.641	0.000
50	25	5.570	5.641	-0.071
55	26	5.641	5.712	-0.071
55	27	5.641	5.641	0.001
55	28	5.712	5.712	0.000
55	29	5.641	5.641	0.001
55	31	5.712	5.712	0.000
Max		5.783	5.782	0.071
Average		5.658	5.678	-0.019
Min		5.499	5.570	-0.072
Std Dev		0.062	0.047	0.037



26.2 __ILIM_HS HS_Sourcing							
Test Site							
Tester							
Test Number							
Max Limit	6.24	A					
Min Limit	5.06	A					
krad(Si)	0	10	15	30	35	50	55
LL	5.060	5.060	5.060	5.060	5.060	5.060	5.060
Min	5.641	5.641	5.570	5.571	5.641	5.641	5.641
Average	5.665	5.698	5.698	5.670	5.670	5.655	5.684
Max	5.712	5.712	5.783	5.712	5.712	5.712	5.712
UL	6.240	6.240	6.240	6.240	6.240	6.240	6.240

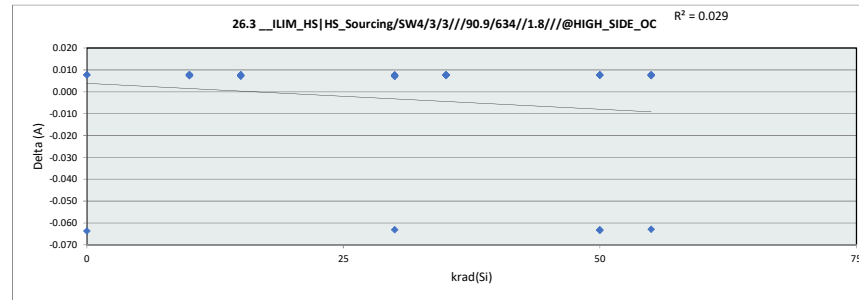


TID HDR Report

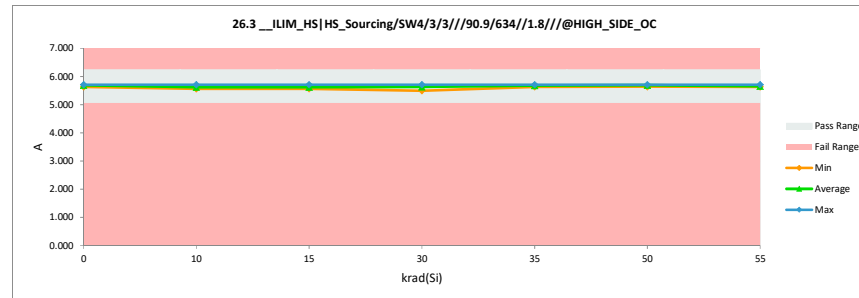
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

26.3 __ILIM_HS HS_Sourcing/SW4/3/3///90				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.24		
Min Limit	5	5.06		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.646	5.710	-0.064
0	98	5.647	5.639	0.008
0	99	5.718	5.710	0.008
10	1	5.576	5.568	0.008
10	2	5.717	5.710	0.008
10	3	5.647	5.639	0.008
10	4	5.576	5.568	0.007
10	5	5.647	5.639	0.008
15	6	5.647	5.639	0.008
15	7	5.576	5.569	0.007
15	8	5.576	5.568	0.007
15	9	5.646	5.639	0.007
15	10	5.718	5.710	0.008
30	11	5.505	5.498	0.007
30	12	5.647	5.710	-0.063
30	13	5.717	5.710	0.007
30	14	5.647	5.639	0.007
30	15	5.647	5.639	0.008
35	16	5.718	5.710	0.008
35	17	5.647	5.639	0.008
35	18	5.718	5.710	0.007
35	19	5.718	5.710	0.007
35	20	5.647	5.639	0.008
50	21	5.718	5.710	0.008
50	22	5.718	5.710	0.008
50	23	5.576	5.639	-0.063
50	24	5.646	5.710	-0.063
50	25	5.717	5.710	0.008
55	26	5.717	5.710	0.008
55	27	5.647	5.639	0.007
55	28	5.576	5.639	-0.063
55	29	5.647	5.639	0.008
55	31	5.647	5.639	0.008
Max		5.718	5.710	0.008
Average		5.653	5.656	-0.003
Min		5.505	5.498	-0.064
Std Dev		0.057	0.056	0.026



26.3 __ILIM_HS HS_Sourcing							
Test Site							
Tester							
Test Number							
Max Limit	6.24	A					
Min Limit	5.06	A					
krad(Si)	0	10	15	30	35	50	55
LL	5.060	5.060	5.060	5.060	5.060	5.060	5.060
Min	5.639	5.568	5.568	5.498	5.639	5.639	5.639
Average	5.686	5.625	5.625	5.639	5.682	5.696	5.653
Max	5.710	5.710	5.710	5.710	5.710	5.710	5.710
UL	6.240	6.240	6.240	6.240	6.240	6.240	6.240

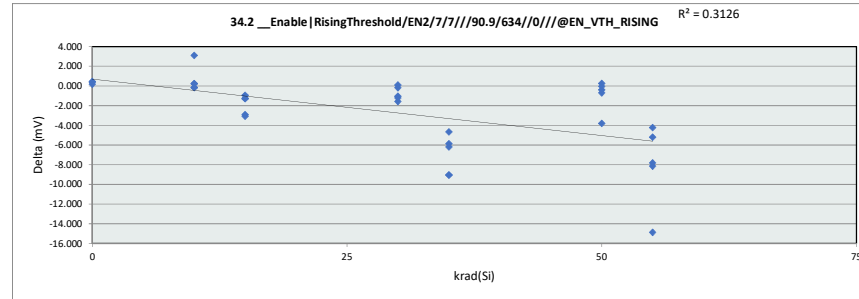


TID HDR Report

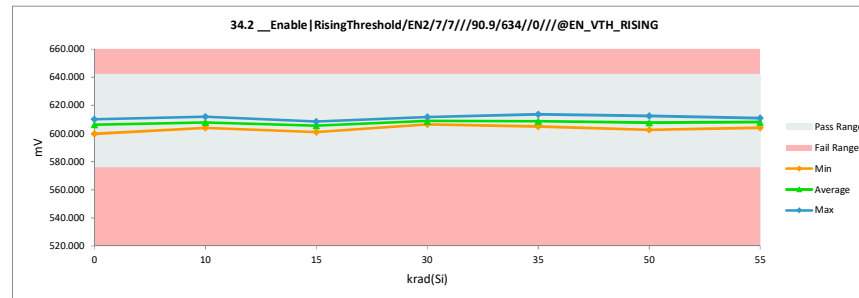
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.2 __Enable RisingThreshold/EN2/7/7///90.9/634/0///@EN_VTH_RISING				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	609.382	608.930	0.452
0	98	610.521	610.157	0.363
0	99	599.943	599.779	0.164
10	1	611.792	611.961	-0.169
10	2	609.693	609.471	0.222
10	3	611.018	607.924	3.095
10	4	605.858	606.027	-0.169
10	5	604.211	603.980	0.231
15	6	605.506	606.810	-1.304
15	7	605.389	608.460	-3.071
15	8	606.700	607.958	-1.258
15	9	600.087	601.028	-0.941
15	10	600.945	603.865	-2.920
30	11	607.804	608.855	-1.051
30	12	604.860	606.448	-1.588
30	13	606.979	606.888	0.091
30	14	611.543	611.724	-0.181
30	15	609.473	610.703	-1.229
35	16	607.773	613.652	-5.879
35	17	597.602	606.651	-9.049
35	18	598.841	605.032	-6.191
35	19	605.517	610.192	-4.675
35	20	599.380	608.413	-9.033
50	21	609.616	609.671	-0.055
50	22	606.860	607.260	-0.400
50	23	601.923	602.636	-0.713
50	24	612.816	612.561	0.255
50	25	602.734	606.541	-3.807
55	26	605.647	610.859	-5.212
55	27	589.167	604.043	-14.876
55	28	600.789	608.606	-7.817
55	29	604.500	608.737	-4.237
55	31	600.774	608.916	-8.142
Max		612.816	613.652	3.095
Average		605.019	607.719	-2.700
Min		589.167	599.779	-14.876
Std Dev		5.059	3.209	3.808



34.2 __Enable RisingThreshold/EN2/7/7///90.9/634/0///@EN_VTH_RISING							
Test Site							
Tester							
Test Number							
Max Limit	642		mV				
Min Limit	576		mV				
krad(Si)	0	10	15	30	35	50	55
LL	576.000	576.000	576.000	576.000	576.000	576.000	576.000
Min	599.779	603.980	601.028	606.448	605.032	602.636	604.043
Average	606.289	607.873	605.624	608.923	608.788	607.734	608.232
Max	610.157	611.961	608.460	611.724	613.652	612.561	610.859
UL	642.000	642.000	642.000	642.000	642.000	642.000	642.000

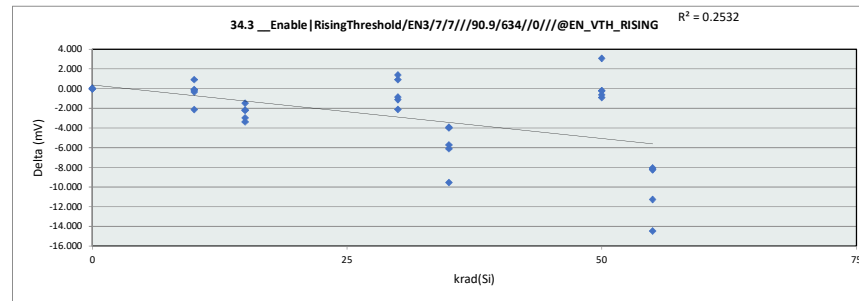


TID HDR Report

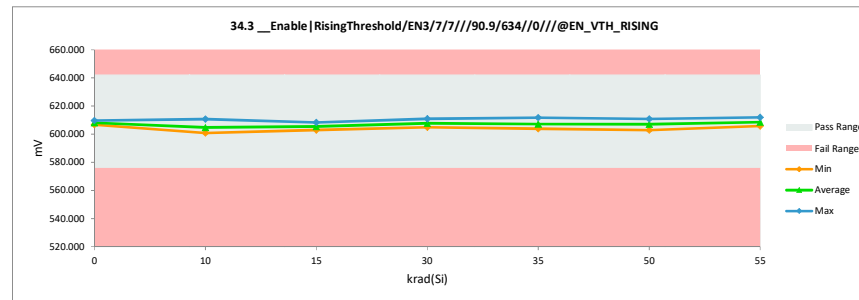
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.3 __Enable RisingThreshold/EN3/7/7///90.9/634/0///@EN_VTH_RISING				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	606.750	606.706	0.044
0	98	607.785	607.820	-0.035
0	99	609.665	609.701	-0.035
10	1	607.642	606.744	0.898
10	2	604.479	604.825	-0.345
10	3	608.548	610.683	-2.135
10	4	600.598	600.754	-0.155
10	5	600.829	600.926	-0.097
15	6	600.771	602.988	-2.217
15	7	602.396	605.781	-3.385
15	8	600.872	603.847	-2.975
15	9	606.806	608.284	-1.478
15	10	604.411	606.591	-2.180
30	11	602.806	604.924	-2.118
30	12	610.828	609.452	1.377
30	13	609.798	610.933	-1.135
30	14	606.584	605.682	0.902
30	15	606.747	607.617	-0.870
35	16	601.971	605.977	-4.006
35	17	602.111	611.654	-9.544
35	18	602.986	608.704	-5.718
35	19	597.747	603.856	-6.109
35	20	601.849	605.764	-3.915
50	21	604.075	604.997	-0.922
50	22	610.535	610.767	-0.233
50	23	608.532	609.169	-0.637
50	24	607.450	607.662	-0.212
50	25	605.878	602.809	3.069
55	26	602.794	610.863	-8.068
55	27	593.450	607.919	-14.470
55	28	597.635	605.842	-8.207
55	29	600.647	611.912	-11.265
55	31	597.692	605.930	-8.238
Max		610.828	611.912	3.069
Average		604.050	606.911	-2.861
Min		593.450	600.754	-14.470
Std Dev		4.227	2.956	4.018



34.3 __Enable RisingThreshold/EN3/7/7///90.9/634/0///@EN_VTH_RISING							
Test Site							
Tester							
Test Number							
Max Limit	642		mV				
Min Limit	576		mV				
krad(Si)	0	10	15	30	35	50	55
LL	576.000	576.000	576.000	576.000	576.000	576.000	576.000
Min	606.706	600.754	602.988	604.924	603.856	602.809	605.842
Average	608.075	604.786	605.498	607.721	607.191	607.081	608.493
Max	609.701	610.683	608.284	610.933	611.654	610.767	611.912
UL	642.000	642.000	642.000	642.000	642.000	642.000	642.000

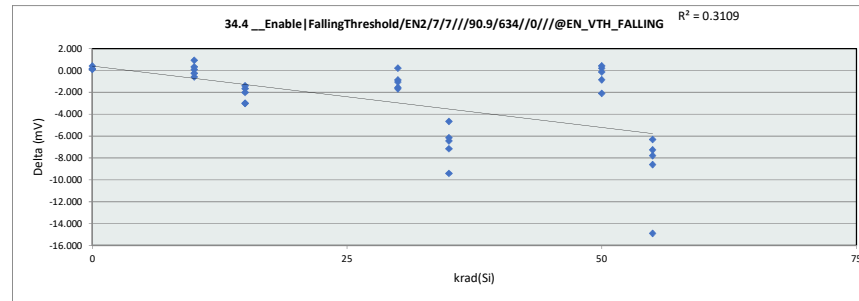


TID HDR Report

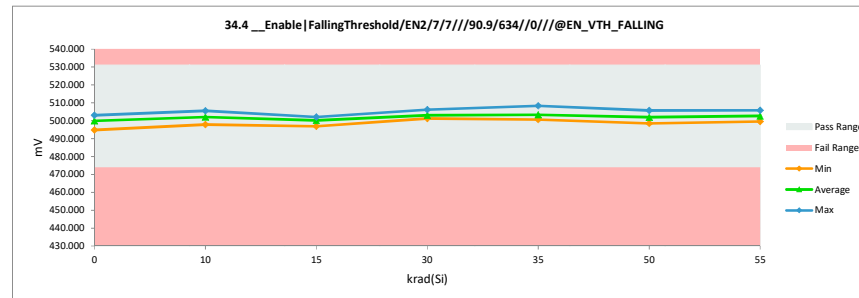
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.4 __Enable FallingThreshold/EN2/7/7///90.9/634//0///@EN_VTH_FALLING				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	532	531		
Min Limit	473	474		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	502.068	501.981	0.087
0	98	503.174	503.033	0.141
0	99	495.223	494.833	0.390
10	1	504.961	505.563	-0.602
10	2	503.569	503.252	0.317
10	3	503.791	502.868	0.923
10	4	500.598	500.866	-0.268
10	5	497.954	497.873	0.081
15	6	498.938	500.949	-2.011
15	7	498.708	501.729	-3.020
15	8	500.383	502.051	-1.668
15	9	495.492	496.897	-1.405
15	10	496.292	499.289	-2.997
30	11	501.499	502.381	-0.881
30	12	499.698	501.259	-1.561
30	13	502.087	501.886	0.201
30	14	505.065	506.136	-1.071
30	15	501.735	503.418	-1.683
35	16	501.874	508.326	-6.452
35	17	492.749	502.169	-9.421
35	18	494.465	500.621	-6.156
35	19	499.597	504.266	-4.669
35	20	494.229	501.387	-7.158
50	21	503.602	503.406	0.196
50	22	502.207	502.355	-0.147
50	23	497.642	498.502	-0.861
50	24	506.143	505.730	0.413
50	25	497.875	499.976	-2.102
55	26	498.571	505.840	-7.269
55	27	484.626	499.526	-14.900
55	28	493.826	501.613	-7.787
55	29	497.965	504.273	-6.308
55	31	493.705	502.308	-8.603
Max		506.143	508.326	0.923
Average		499.100	502.017	-2.917
Min		484.626	494.833	-14.900
Std Dev		4.490	2.774	3.754



34.4 __Enable FallingThreshold							
Test Site							
Tester							
Test Number							
Max Limit	531	mV					
Min Limit	474	mV					
krad(Si)	0	10	15	30	35	50	55
LL	474.000	474.000	474.000	474.000	474.000	474.000	474.000
Min	494.833	497.873	496.897	501.259	500.621	498.502	499.526
Average	499.949	502.084	500.183	503.016	503.354	501.994	502.712
Max	503.033	505.563	502.051	506.136	508.326	505.730	505.840
UL	531.000	531.000	531.000	531.000	531.000	531.000	531.000



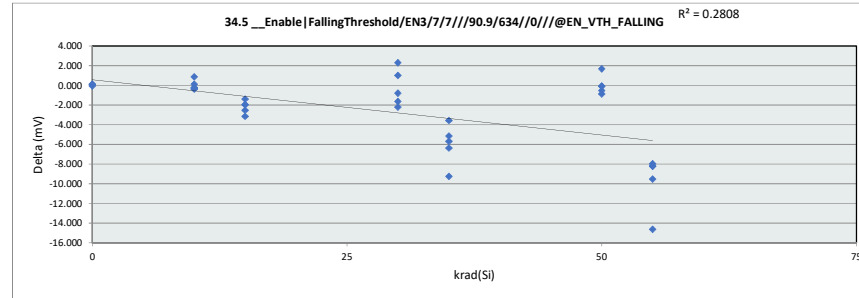
TID HDR Report

TPS7H4102-SEP

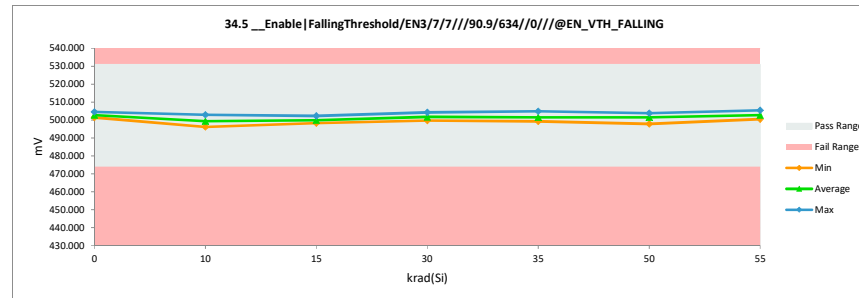
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.5 __Enable FallingThreshold/EN3/7/7///90.9		
Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	501.570	501.434	0.137
0	98	502.550	502.479	0.071
0	99	504.484	504.543	-0.059
10	1	502.536	501.671	0.865
10	2	499.584	499.867	-0.283
10	3	502.686	502.913	-0.227
10	4	495.786	496.170	-0.384
10	5	496.317	496.196	0.121
15	6	496.360	498.321	-1.961
15	7	497.484	500.634	-3.150
15	8	496.273	498.799	-2.526
15	9	500.894	502.292	-1.398
15	10	497.647	499.603	-1.956
30	11	497.554	499.765	-2.211
30	12	504.539	502.245	2.294
30	13	502.668	504.310	-1.642
30	14	501.634	500.612	1.022
30	15	501.180	501.965	-0.784
35	16	497.353	500.918	-3.566
35	17	495.630	504.879	-9.248
35	18	497.217	502.365	-5.148
35	19	492.874	499.248	-6.374
35	20	494.624	500.302	-5.678
50	21	499.546	500.082	-0.536
50	22	503.732	503.818	-0.085
50	23	502.684	503.562	-0.878
50	24	502.268	502.340	-0.072
50	25	499.582	497.902	1.680
55	26	497.496	505.464	-7.968
55	27	486.897	501.529	-14.632
55	28	492.370	500.554	-8.184
55	29	495.888	505.405	-9.518
55	31	492.581	500.798	-8.217
Max		504.539	505.464	2.294
Average		498.560	501.303	-2.742
Min		486.897	496.170	-14.632
Std Dev		4.076	2.383	3.943



34.5 __Enable FallingThreshold							
Test Site							
Tester							
Test Number							
Max Limit	531						
Min Limit	474						
krad(Si)	0	10	15	30	35	50	55
LL	474.000	474.000	474.000	474.000	474.000	474.000	474.000
Min	501.434	496.170	498.321	499.765	499.248	497.902	500.554
Average	502.819	499.363	499.930	501.779	501.542	501.541	502.750
Max	504.543	502.913	502.292	504.310	504.879	503.818	505.464
UL	531.000	531.000	531.000	531.000	531.000	531.000	531.000

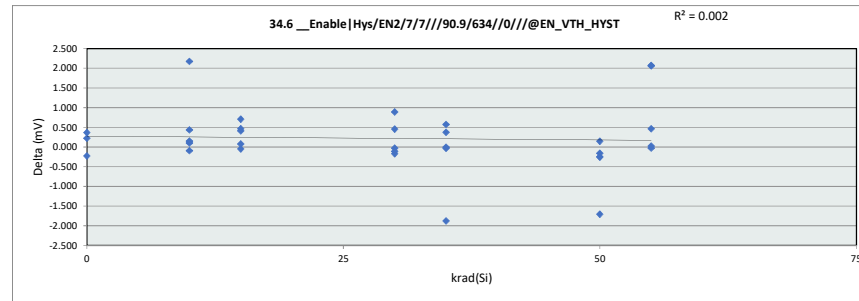


TID HDR Report

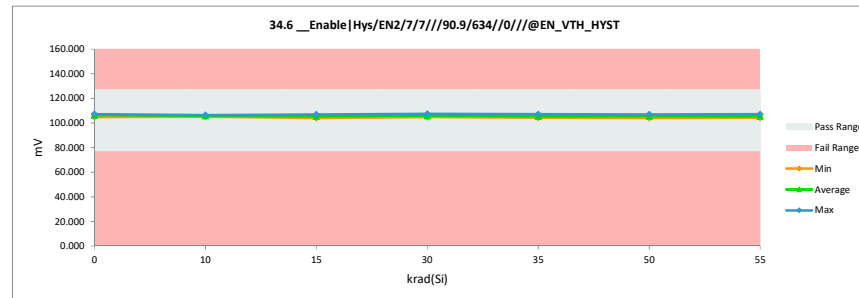
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.6 __Enable Hys/EN2/7/7///90.9/634//0//				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		130	127	
Min Limit		74	77	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	107.314	106.949	0.365
0	98	107.346	107.124	0.222
0	99	104.720	104.945	-0.226
10	1	106.831	106.398	0.433
10	2	106.123	106.219	-0.096
10	3	107.228	105.056	2.171
10	4	105.261	105.161	0.099
10	5	106.257	106.107	0.150
15	6	106.568	105.861	0.707
15	7	106.680	106.731	-0.051
15	8	106.317	105.908	0.409
15	9	104.595	104.131	0.464
15	10	104.653	104.576	0.078
30	11	106.305	106.474	-0.170
30	12	105.163	105.190	-0.027
30	13	104.892	105.002	-0.110
30	14	106.478	105.588	0.890
30	15	107.738	107.284	0.454
35	16	105.899	105.327	0.573
35	17	104.853	104.482	0.372
35	18	104.377	104.411	-0.035
35	19	105.920	105.926	-0.006
35	20	105.151	107.026	-1.875
50	21	106.014	106.265	-0.251
50	22	104.652	104.905	-0.253
50	23	104.281	104.133	0.147
50	24	106.673	106.831	-0.158
50	25	104.859	106.564	-1.705
55	26	107.076	105.018	2.058
55	27	104.541	104.517	0.024
55	28	106.963	106.993	-0.030
55	29	106.535	104.463	2.071
55	31	107.070	106.608	0.461
Max		107.738	107.284	2.171
Average		105.919	105.702	0.217
Min		104.281	104.131	-1.875
Std Dev		1.040	0.983	0.817



34.6 __Enable Hys/EN2/7/7//							
Test Site							
Tester							
Test Number							
Max Limit		127	mV				
Min Limit		77	mV				
krad(Si)	0	10	15	30	35	50	55
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	104.945	105.056	104.131	105.002	104.411	104.134	104.463
Average	106.339	105.788	105.441	105.908	105.434	105.740	105.520
Max	107.124	106.398	106.731	107.284	107.026	106.831	106.993
UL	127.000	127.000	127.000	127.000	127.000	127.000	127.000

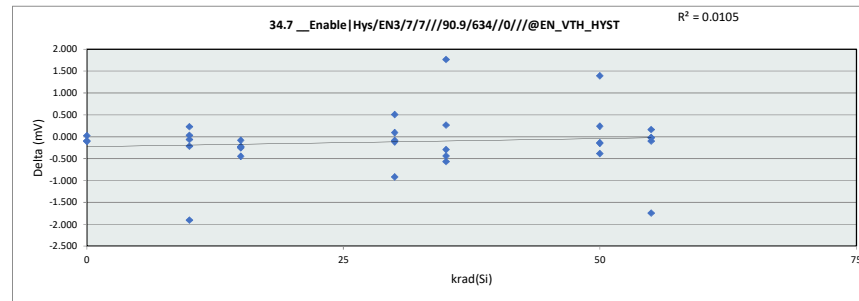


TID HDR Report

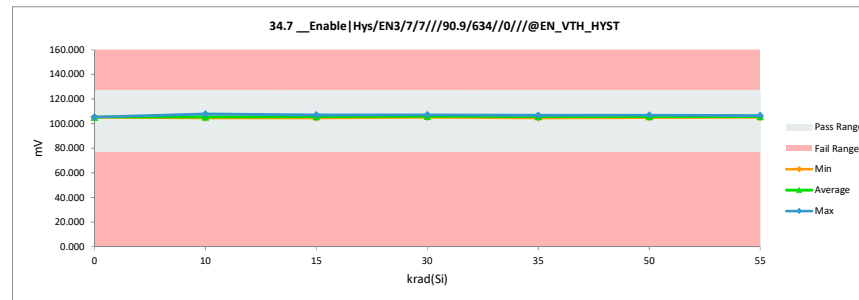
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.7 __Enable Hys/EN3/7/7///90.9/634//0/				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	130	127		
Min Limit	74	77		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	105.179	105.272	-0.092
0	98	105.235	105.341	-0.106
0	99	105.181	105.157	0.024
10	1	105.106	105.073	0.033
10	2	104.895	104.958	-0.062
10	3	105.862	107.769	-1.908
10	4	104.812	104.583	0.229
10	5	104.513	104.730	-0.218
15	6	104.411	104.667	-0.255
15	7	104.911	105.147	-0.236
15	8	104.599	105.047	-0.449
15	9	105.912	105.992	-0.081
15	10	106.764	106.988	-0.224
30	11	105.252	105.159	0.093
30	12	106.289	107.207	-0.918
30	13	107.130	106.623	0.507
30	14	104.949	105.070	-0.120
30	15	105.567	105.652	-0.085
35	16	104.618	105.058	-0.440
35	17	106.480	106.776	-0.296
35	18	105.769	106.339	-0.570
35	19	104.873	104.607	0.266
35	20	107.225	105.462	1.763
50	21	104.528	104.915	-0.386
50	22	106.802	106.950	-0.147
50	23	105.848	105.607	0.241
50	24	105.182	105.322	-0.140
50	25	106.297	104.907	1.390
55	26	105.298	105.398	-0.100
55	27	106.553	106.390	0.163
55	28	105.265	105.288	-0.023
55	29	104.759	106.506	-1.747
55	31	105.111	105.132	-0.021
Max		107.225	107.769	1.763
Average		105.490	105.609	-0.119
Min		104.411	104.583	-1.908
Std Dev		0.805	0.848	0.658



34.7 __Enable Hys/EN3/7/7///							
Test Site							
Tester							
Test Number							
Max Limit	127	mV					
Min Limit	77	mV					
krad(Si)	0	10	15	30	35	50	55
LL	77.000	77.000	77.000	77.000	77.000	77.000	77.000
Min	105.157	104.583	104.667	105.070	104.607	104.907	105.132
Average	105.257	105.423	105.568	105.942	105.648	105.540	105.743
Max	105.341	107.769	106.988	107.207	106.776	106.950	106.506
UL	127.000	127.000	127.000	127.000	127.000	127.000	127.000



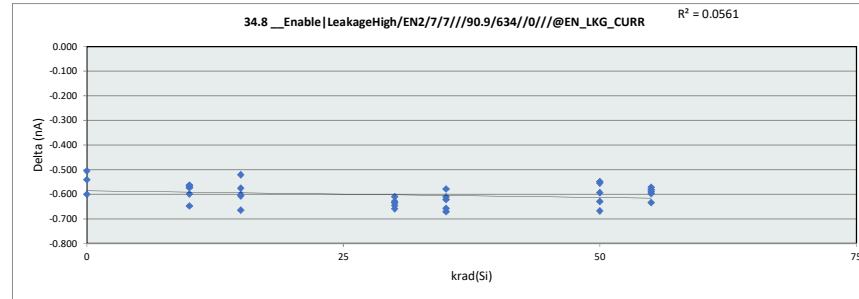
TID HDR Report

TPS7H4102-SEP

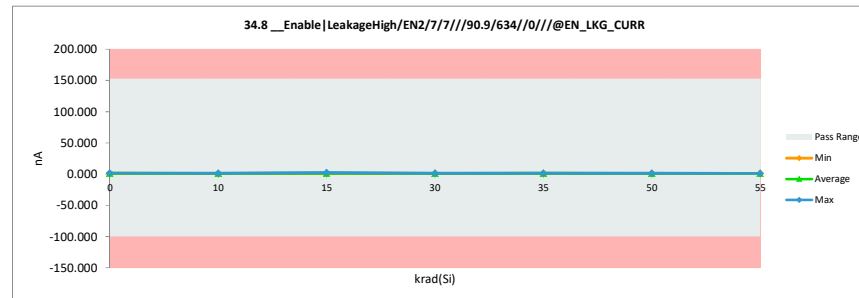
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.8 __Enable LeakageHigh/EN2/7/7///90.9/		
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	154	152
Min Limit	-150.4	-100

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.298	1.839	-0.541
0	98	0.884	1.390	-0.506
0	99	0.690	1.290	-0.600
10	1	0.722	1.295	-0.574
10	2	0.807	1.455	-0.648
10	3	0.697	1.296	-0.599
10	4	0.676	1.239	-0.563
10	5	0.854	1.420	-0.566
15	6	0.731	1.306	-0.575
15	7	0.759	1.280	-0.521
15	8	0.646	1.252	-0.607
15	9	1.808	2.472	-0.664
15	10	0.613	1.215	-0.602
30	11	0.634	1.280	-0.645
30	12	0.673	1.331	-0.658
30	13	0.886	1.520	-0.635
30	14	0.683	1.312	-0.629
30	15	0.915	1.525	-0.610
35	16	0.996	1.653	-0.657
35	17	0.706	1.377	-0.671
35	18	0.928	1.550	-0.622
35	19	0.665	1.244	-0.579
35	20	0.739	1.350	-0.610
50	21	0.842	1.471	-0.629
50	22	0.697	1.290	-0.594
50	23	0.701	1.256	-0.555
50	24	0.795	1.344	-0.549
50	25	0.700	1.368	-0.668
55	26	0.701	1.298	-0.597
55	27	0.664	1.245	-0.581
55	28	0.678	1.268	-0.590
55	29	0.677	1.311	-0.634
55	31	0.724	1.296	-0.572
Max		1.808	2.472	-0.506
Average		0.794	1.395	-0.601
Min		0.613	1.215	-0.671
Std Dev		0.227	0.235	0.043



34.8 __Enable LeakageHigh/E							
Test Site							
Tester							
Test Number							
Max Limit	152	nA					
Min Limit	-100	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-100.000	-100.000	-100.000	-100.000	-100.000	-100.000	-100.000
Min	1.290	1.239	1.215	1.280	1.244	1.256	1.246
Average	1.506	1.341	1.505	1.394	1.435	1.346	1.284
Max	1.839	1.455	2.472	1.525	1.653	1.471	1.311
UL	152.000	152.000	152.000	152.000	152.000	152.000	152.000



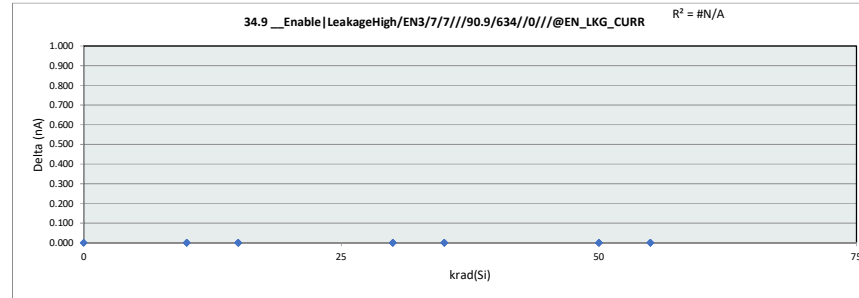
TID HDR Report

TPS7H4102-SEP

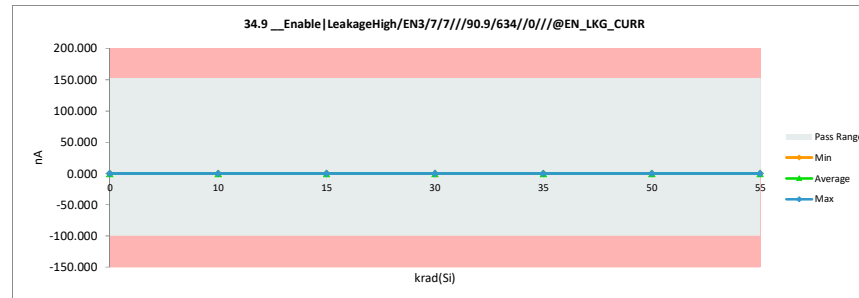
krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

34.9 __Enable LeakageHigh/EN3/7/7///90.9/		
Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	154	152
Min Limit	-150.4	-100

krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	0.000	0.000	0.000
0	98	0.000	0.000	0.000
0	99	0.000	0.000	0.000
10	1	0.000	0.000	0.000
10	2	0.000	0.000	0.000
10	3	0.000	0.000	0.000
10	4	0.000	0.000	0.000
10	5	0.000	0.000	0.000
15	6	0.000	0.000	0.000
15	7	0.000	0.000	0.000
15	8	0.000	0.000	0.000
15	9	0.000	0.000	0.000
15	10	0.000	0.000	0.000
30	11	0.000	0.000	0.000
30	12	0.000	0.000	0.000
30	13	0.000	0.000	0.000
30	14	0.000	0.000	0.000
30	15	0.000	0.000	0.000
35	16	0.000	0.000	0.000
35	17	0.000	0.000	0.000
35	18	0.000	0.000	0.000
35	19	0.000	0.000	0.000
35	20	0.000	0.000	0.000
50	21	0.000	0.000	0.000
50	22	0.000	0.000	0.000
50	23	0.000	0.000	0.000
50	24	0.000	0.000	0.000
50	25	0.000	0.000	0.000
55	26	0.000	0.000	0.000
55	27	0.000	0.000	0.000
55	28	0.000	0.000	0.000
55	29	0.000	0.000	0.000
55	31	0.000	0.000	0.000
Max		0.000	0.000	0.000
Average		0.000	0.000	0.000
Min		0.000	0.000	0.000
Std Dev		0.000	0.000	0.000



34.9 __Enable LeakageHigh/E							
Test Site							
Tester							
Test Number							
Max Limit	152	nA					
Min Limit	-100	nA					
krad(Si)	0	10	15	30	35	50	55
LL	-100.000	-100.000	-100.000	-100.000	-100.000	-100.000	-100.000
Min	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Max	0.000	0.000	0.000	0.000	0.000	0.000	0.000
UL	152.000	152.000	152.000	152.000	152.000	152.000	152.000

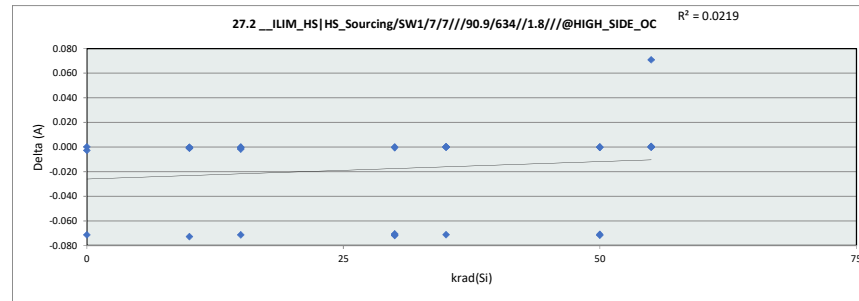


TID HDR Report

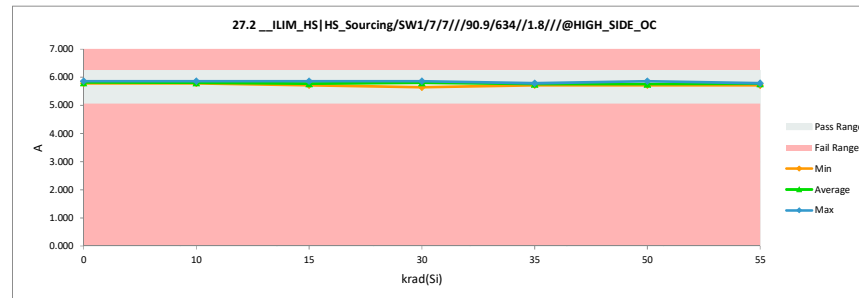
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

27.2 __ILIM_HS HS_Sourcing/SW1/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.24		
Min Limit	5	5.06		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.857	5.857	0.000
0	98	5.786	5.789	-0.003
0	99	5.715	5.786	-0.071
10	1	5.786	5.787	-0.001
10	2	5.786	5.787	-0.001
10	3	5.786	5.786	0.000
10	4	5.715	5.788	-0.073
10	5	5.857	5.857	0.000
15	6	5.857	5.858	-0.001
15	7	5.644	5.716	-0.071
15	8	5.786	5.786	0.000
15	9	5.786	5.787	-0.001
15	10	5.715	5.717	-0.002
30	11	5.644	5.644	0.000
30	12	5.715	5.787	-0.071
30	13	5.857	5.858	-0.001
30	14	5.786	5.858	-0.072
30	15	5.786	5.857	-0.071
35	16	5.715	5.786	-0.071
35	17	5.786	5.786	0.000
35	18	5.786	5.786	0.000
35	19	5.716	5.715	0.000
35	20	5.716	5.716	0.000
50	21	5.644	5.716	-0.072
50	22	5.715	5.716	0.000
50	23	5.857	5.857	0.000
50	24	5.786	5.786	0.000
50	25	5.644	5.715	-0.071
55	26	5.786	5.786	0.000
55	27	5.786	5.786	0.000
55	28	5.857	5.787	0.071
55	29	5.716	5.715	0.001
55	31	5.786	5.787	0.000
Max		5.857	5.858	0.071
Average		5.763	5.780	-0.018
Min		5.644	5.644	-0.073
Std Dev		0.066	0.054	0.036



27.2 __ILIM_HS HS_Sourcing							
Test Site							
Tester							
Test Number							
Max Limit	6.24	A					
Min Limit	5.06	A					
krad(Si)	0	10	15	30	35	50	55
LL	5.060	5.060	5.060	5.060	5.060	5.060	5.060
Min	5.786	5.787	5.716	5.644	5.716	5.715	5.715
Average	5.811	5.801	5.773	5.801	5.758	5.758	5.772
Max	5.857	5.857	5.858	5.858	5.787	5.857	5.787
UL	6.240	6.240	6.240	6.240	6.240	6.240	6.240

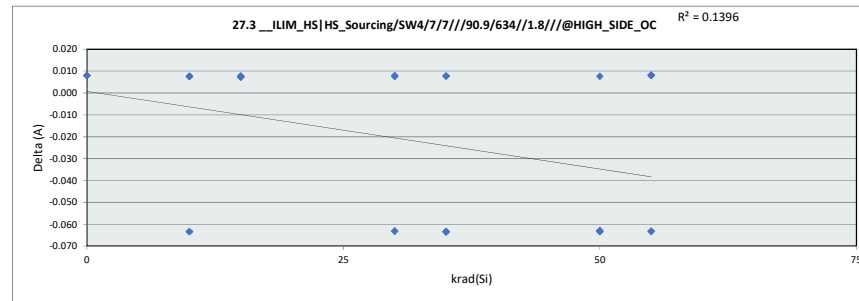


TID HDR Report

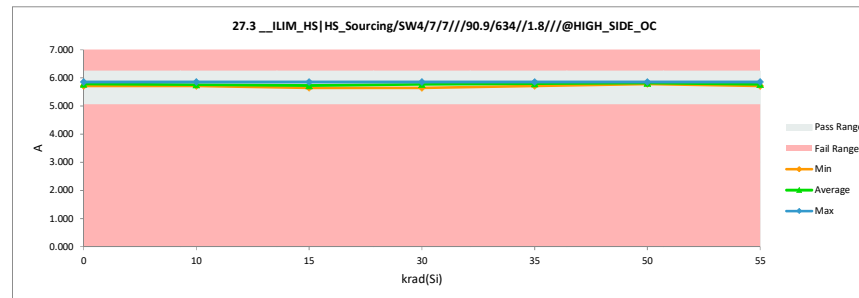
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

27.3 __ILIM_HS HS_Sourcing/SW4/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.24		
Min Limit	5	5.06		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	5.792	5.784	0.008
0	98	5.721	5.713	0.008
0	99	5.863	5.855	0.008
10	1	5.721	5.713	0.008
10	2	5.862	5.855	0.008
10	3	5.720	5.713	0.008
10	4	5.650	5.713	-0.063
10	5	5.721	5.784	-0.063
15	6	5.721	5.713	0.007
15	7	5.650	5.642	0.007
15	8	5.721	5.713	0.007
15	9	5.721	5.713	0.008
15	10	5.863	5.855	0.008
30	11	5.579	5.642	-0.063
30	12	5.791	5.784	0.008
30	13	5.863	5.855	0.008
30	14	5.792	5.784	0.008
30	15	5.721	5.784	-0.063
35	16	5.792	5.784	0.008
35	17	5.721	5.713	0.008
35	18	5.791	5.855	-0.063
35	19	5.791	5.855	-0.063
35	20	5.721	5.784	-0.064
50	21	5.791	5.855	-0.063
50	22	5.792	5.855	-0.063
50	23	5.721	5.784	-0.063
50	24	5.721	5.784	-0.063
50	25	5.791	5.784	0.008
55	26	5.863	5.854	0.008
55	27	5.721	5.784	-0.063
55	28	5.721	5.713	0.008
55	29	5.721	5.784	-0.063
55	31	5.721	5.713	0.008
Max		5.863	5.855	0.008
Average		5.753	5.773	-0.020
Min		5.579	5.642	-0.064
Std Dev		0.067	0.064	0.035



27.3 __ILIM_HS HS_Sourcing							
Test Site							
Tester							
Test Number							
Max Limit	6.24	A					
Min Limit	5.06	A					
krad(Si)	0	10	15	30	35	50	55
LL	5.060	5.060	5.060	5.060	5.060	5.060	5.060
Min	5.713	5.713	5.642	5.642	5.713	5.784	5.713
Average	5.784	5.756	5.727	5.770	5.798	5.812	5.770
Max	5.855	5.855	5.855	5.855	5.855	5.855	5.854
UL	6.240	6.240	6.240	6.240	6.240	6.240	6.240

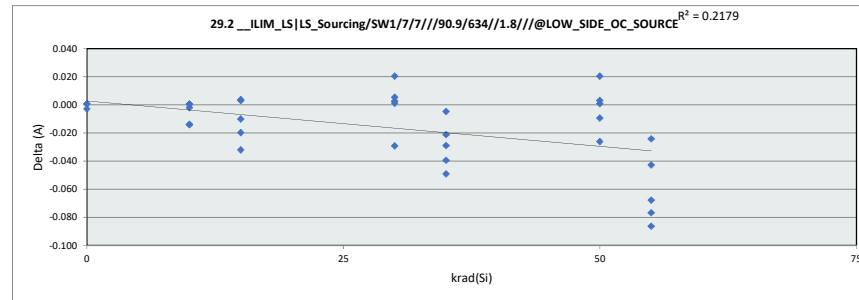


TID HDR Report

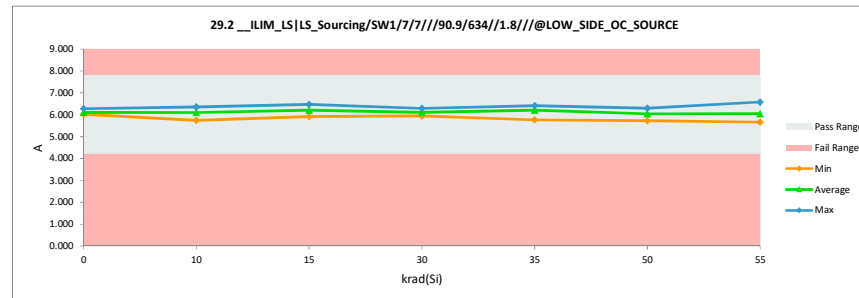
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

29.2 __ILIM_LS LS_Sourcing/SW1/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.8	7.792		
Min Limit	4.2	4.208		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.028	6.028	0.001
0	98	6.018	6.021	-0.003
0	99	6.280	6.279	0.001
10	1	5.739	5.740	-0.002
10	2	6.009	6.008	0.001
10	3	6.096	6.096	0.000
10	4	6.341	6.356	-0.014
10	5	6.292	6.306	-0.014
15	6	6.272	6.291	-0.020
15	7	6.189	6.186	0.003
15	8	6.475	6.471	0.004
15	9	6.159	6.191	-0.032
15	10	5.908	5.918	-0.010
30	11	5.919	5.948	-0.029
30	12	6.149	6.143	0.005
30	13	6.144	6.141	0.003
30	14	6.021	6.001	0.020
30	15	6.293	6.292	0.001
35	16	6.397	6.418	-0.021
35	17	6.324	6.328	-0.005
35	18	6.134	6.163	-0.029
35	19	5.714	5.763	-0.049
35	20	6.341	6.381	-0.040
50	21	5.806	5.815	-0.009
50	22	5.702	5.728	-0.026
50	23	6.299	6.298	0.001
50	24	6.156	6.135	0.020
50	25	6.241	6.238	0.003
55	26	6.087	6.130	-0.043
55	27	5.639	5.663	-0.024
55	28	6.511	6.579	-0.068
55	29	5.673	5.750	-0.077
55	31	6.044	6.130	-0.086
Max		6.511	6.579	0.020
Average		6.103	6.119	-0.016
Min		5.639	5.663	-0.086
Std Dev		0.237	0.234	0.026



29.2 __ILIM_LS LS_Sourcing/							
Test Site							
Tester							
Test Number							
Max Limit	7.792	A					
Min Limit	4.208	A					
krad(Si)	0	10	15	30	35	50	55
LL	4.208	4.208	4.208	4.208	4.208	4.208	4.208
Min	6.021	5.741	5.918	5.948	5.763	5.728	5.663
Average	6.109	6.101	6.212	6.105	6.211	6.043	6.050
Max	6.279	6.356	6.471	6.292	6.418	6.298	6.579
UL	7.792	7.792	7.792	7.792	7.792	7.792	7.792

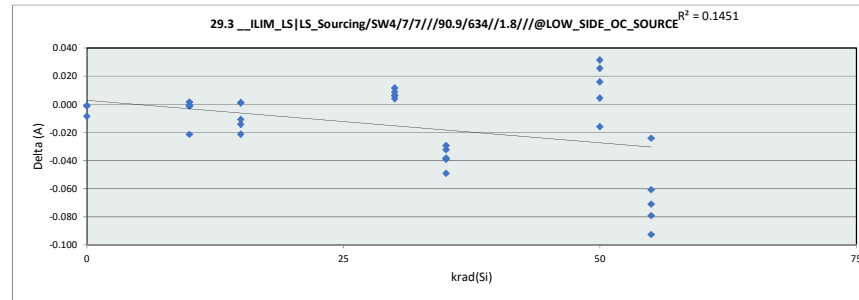


TID HDR Report

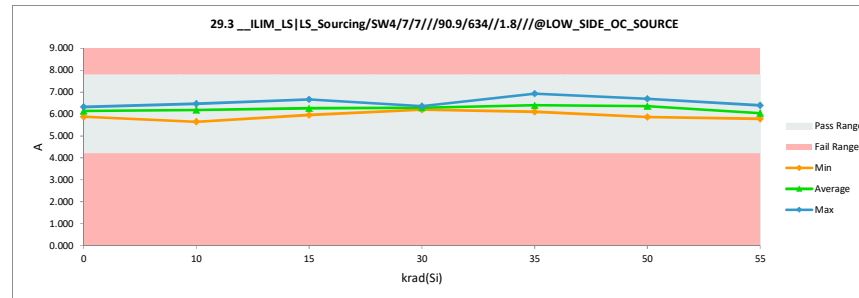
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

29.3 __ILIM_LS LS_Sourcing/SW4/7/7//90.9/634//1.8//@LOW_SIDE_OC_SOURCE				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.8	7.792		
Min Limit	4.2	4.208		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	6.218	6.226	-0.009
0	98	6.327	6.328	-0.001
0	99	5.882	5.884	-0.001
10	1	6.247	6.249	-0.001
10	2	6.168	6.168	-0.001
10	3	6.475	6.476	-0.001
10	4	6.411	6.409	0.002
10	5	5.630	5.651	-0.021
15	6	6.443	6.464	-0.021
15	7	5.950	5.964	-0.014
15	8	6.673	6.672	0.001
15	9	6.118	6.129	-0.011
15	10	6.110	6.109	0.001
30	11	6.346	6.342	0.004
30	12	6.213	6.207	0.006
30	13	6.318	6.312	0.006
30	14	6.238	6.226	0.012
30	15	6.375	6.366	0.009
35	16	6.258	6.290	-0.032
35	17	6.170	6.200	-0.029
35	18	6.898	6.937	-0.039
35	19	6.057	6.107	-0.049
35	20	6.443	6.481	-0.038
50	21	5.870	5.866	0.004
50	22	6.318	6.302	0.016
50	23	6.513	6.487	0.026
50	24	6.503	6.472	0.031
50	25	6.686	6.702	-0.016
55	26	5.715	5.786	-0.071
55	27	5.727	5.806	-0.079
55	28	6.338	6.399	-0.061
55	29	5.915	5.939	-0.024
55	31	6.200	6.293	-0.093
Max		6.898	6.937	0.031
Average		6.235	6.250	-0.015
Min		5.630	5.651	-0.093
Std Dev		0.287	0.279	0.029



29.3 __ILIM_LS LS_Sourcing/							
Test Site							
Tester							
Test Number							
Max Limit	7.792	A					
Min Limit	4.208	A					
krad(Si)	0	10	15	30	35	50	55
LL	4.208	4.208	4.208	4.208	4.208	4.208	4.208
Min	5.884	5.651	5.964	6.207	6.107	5.866	5.786
Average	6.146	6.191	6.267	6.291	6.403	6.366	6.045
Max	6.328	6.476	6.672	6.366	6.937	6.702	6.399
UL	7.792	7.792	7.792	7.792	7.792	7.792	7.792

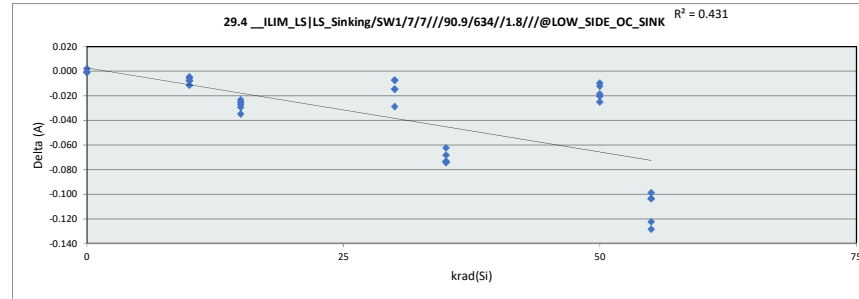


TID HDR Report

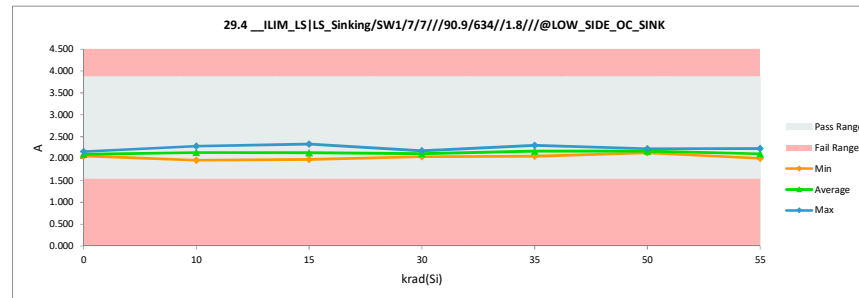
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

29.4 __ILIM_LS LS_Sinking/SW1/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.072	2.070	0.002
0	98	2.058	2.059	-0.001
0	99	2.159	2.160	-0.001
10	1	1.949	1.961	-0.012
10	2	2.115	2.120	-0.005
10	3	2.156	2.164	-0.008
10	4	2.278	2.284	-0.006
10	5	2.147	2.155	-0.008
15	6	2.066	2.091	-0.025
15	7	2.166	2.190	-0.023
15	8	2.304	2.331	-0.027
15	9	2.046	2.081	-0.035
15	10	1.950	1.979	-0.029
30	11	2.027	2.041	-0.015
30	12	2.168	2.175	-0.007
30	13	2.050	2.065	-0.015
30	14	2.068	2.097	-0.029
30	15	2.160	2.167	-0.007
35	16	2.232	2.300	-0.068
35	17	2.107	2.169	-0.062
35	18	1.992	2.066	-0.074
35	19	1.979	2.052	-0.073
35	20	2.185	2.259	-0.074
50	21	2.119	2.131	-0.012
50	22	2.131	2.152	-0.020
50	23	2.198	2.224	-0.025
50	24	2.166	2.176	-0.010
50	25	2.147	2.165	-0.018
55	26	1.962	2.065	-0.104
55	27	1.966	2.065	-0.099
55	28	2.101	2.229	-0.128
55	29	1.903	2.006	-0.104
55	31	2.054	2.177	-0.122
Max		2.304	2.331	0.002
Average		2.096	2.134	-0.038
Min		1.903	1.961	-0.128
Std Dev		0.097	0.089	0.039



29.4 __ILIM_LS LS_Sinking/S							
Test Site							
Tester							
Test Number							
Max Limit	3.867		A				
Min Limit	1.533		A				
krad(Si)	0	10	15	30	35	50	55
LL	1.533	1.533	1.533	1.533	1.533	1.533	1.533
Min	2.059	1.961	1.979	2.041	2.052	2.131	2.006
Average	2.096	2.137	2.134	2.109	2.169	2.169	2.108
Max	2.160	2.284	2.331	2.175	2.300	2.224	2.229
UL	3.867	3.867	3.867	3.867	3.867	3.867	3.867

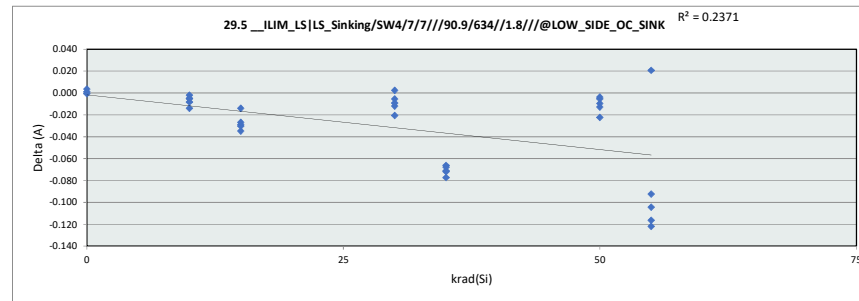


TID HDR Report

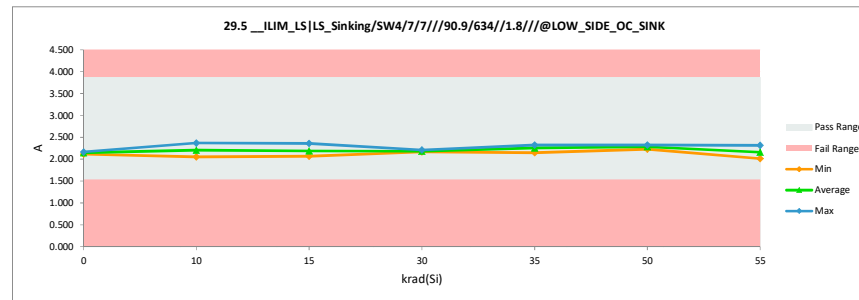
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

29.5 __ILIM_LS LS_Sinking/SW4/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.867		
Min Limit	1.5	1.533		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.163	2.162	0.001
0	98	2.119	2.115	0.003
0	99	2.162	2.163	-0.001
10	1	2.044	2.052	-0.008
10	2	2.161	2.163	-0.002
10	3	2.220	2.234	-0.014
10	4	2.363	2.368	-0.005
10	5	2.198	2.203	-0.005
15	6	2.111	2.146	-0.035
15	7	2.166	2.180	-0.014
15	8	2.329	2.359	-0.030
15	9	2.154	2.181	-0.027
15	10	2.036	2.065	-0.029
30	11	2.172	2.184	-0.012
30	12	2.158	2.164	-0.006
30	13	2.201	2.210	-0.009
30	14	2.174	2.171	0.002
30	15	2.151	2.171	-0.021
35	16	2.231	2.299	-0.068
35	17	2.138	2.210	-0.072
35	18	2.244	2.322	-0.077
35	19	2.077	2.148	-0.071
35	20	2.246	2.312	-0.066
50	21	2.268	2.280	-0.013
50	22	2.217	2.226	-0.010
50	23	2.319	2.323	-0.004
50	24	2.296	2.318	-0.022
50	25	2.268	2.273	-0.005
55	26	1.920	2.012	-0.092
55	27	2.005	2.110	-0.104
55	28	2.191	2.307	-0.116
55	29	2.074	2.053	0.021
55	31	2.193	2.315	-0.122
Max		2.363	2.368	0.021
Average		2.175	2.206	-0.031
Min		1.920	2.012	-0.122
Std Dev		0.095	0.094	0.038



29.5 __ILIM_LS LS_Sinking/S							
Test Site							
Tester							
Test Number							
Max Limit	3.867	A					
Min Limit	1.533	A					
krad(Si)	0	10	15	30	35	50	55
LL	1.533	1.533	1.533	1.533	1.533	1.533	1.533
Min	2.115	2.052	2.065	2.164	2.148	2.226	2.012
Average	2.147	2.204	2.186	2.180	2.258	2.284	2.160
Max	2.163	2.368	2.359	2.210	2.322	2.323	2.315
UL	3.867	3.867	3.867	3.867	3.867	3.867	3.867

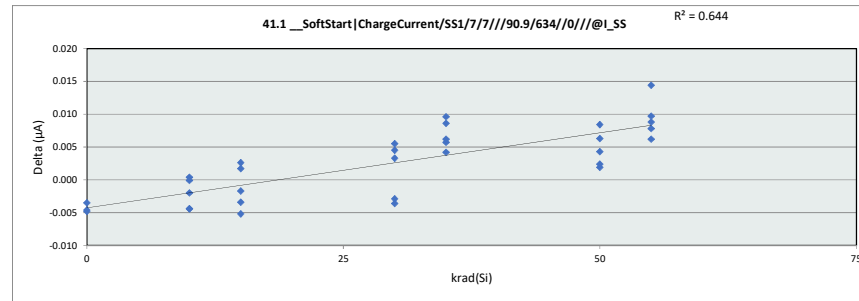


TID HDR Report

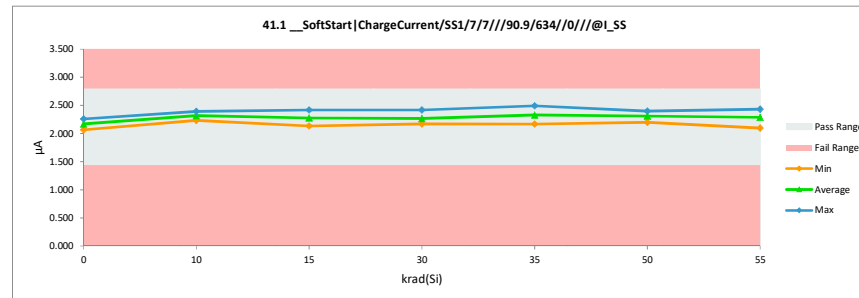
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.1 __SoftStart ChargeCurrent/SS1/7/7///90.9/634/0///@_l_SS				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.79	
Min Limit		1.4	1.44	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.059	2.064	-0.005
0	98	2.183	2.188	-0.005
0	99	2.256	2.260	-0.003
10	1	2.267	2.271	-0.004
10	2	2.233	2.233	0.000
10	3	2.381	2.383	-0.002
10	4	2.313	2.313	0.000
10	5	2.389	2.394	-0.004
15	6	2.417	2.419	-0.002
15	7	2.254	2.251	0.003
15	8	2.357	2.356	0.002
15	9	2.219	2.225	-0.005
15	10	2.130	2.134	-0.003
30	11	2.272	2.267	0.004
30	12	2.414	2.417	-0.004
30	13	2.204	2.207	-0.003
30	14	2.175	2.172	0.003
30	15	2.285	2.279	0.005
35	16	2.349	2.343	0.006
35	17	2.497	2.493	0.004
35	18	2.318	2.309	0.009
35	19	2.174	2.168	0.006
35	20	2.346	2.337	0.010
50	21	2.202	2.200	0.002
50	22	2.347	2.341	0.006
50	23	2.310	2.309	0.002
50	24	2.405	2.397	0.008
50	25	2.309	2.304	0.004
55	26	2.267	2.253	0.014
55	27	2.333	2.324	0.009
55	28	2.441	2.431	0.010
55	29	2.104	2.098	0.006
55	31	2.338	2.331	0.008
Max		2.497	2.493	0.014
Average		2.289	2.287	0.002
Min		2.059	2.064	-0.005
Std Dev		0.101	0.100	0.005



41.1 __SoftStart ChargeCurrent							
Test Site							
Tester							
Test Number							
Max Limit		2.79	µA				
Min Limit		1.44	µA				
krad(Si)	0	10	15	30	35	50	55
LL	1.440	1.440	1.440	1.440	1.440	1.440	1.440
Min	2.064	2.233	2.134	2.172	2.168	2.200	2.098
Average	2.171	2.319	2.277	2.268	2.330	2.310	2.287
Max	2.260	2.394	2.419	2.417	2.493	2.397	2.431
UL	2.790	2.790	2.790	2.790	2.790	2.790	2.790

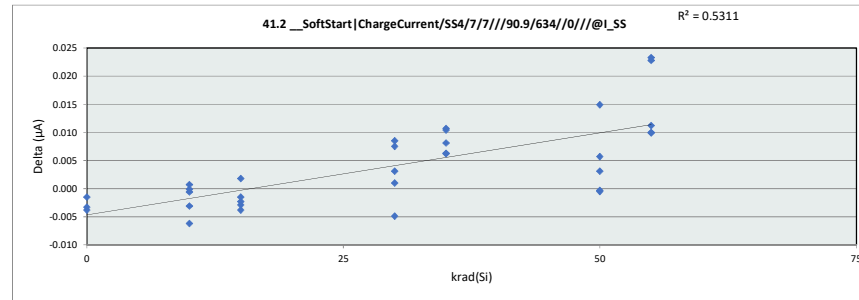


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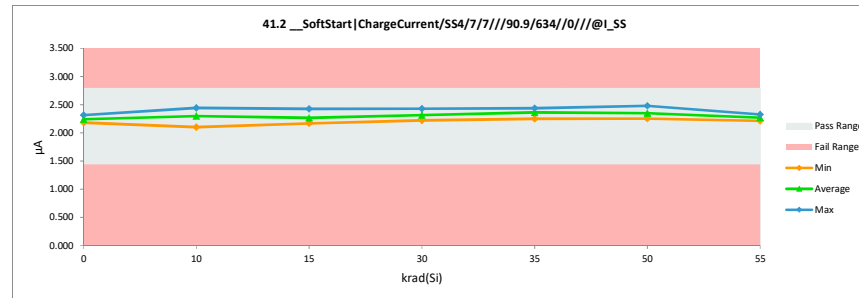
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.2 __SoftStart ChargeCurrent/SS4/7/7///90.9/634/0///@_l_SS				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		2.83	2.79	
Min Limit		1.4	1.44	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	2.180	2.183	-0.003
0	98	2.228	2.231	-0.004
0	99	2.313	2.315	-0.001
10	1	2.101	2.102	-0.001
10	2	2.364	2.363	0.001
10	3	2.312	2.312	0.000
10	4	2.441	2.444	-0.003
10	5	2.269	2.275	-0.006
15	6	2.311	2.313	-0.002
15	7	2.198	2.200	-0.002
15	8	2.428	2.426	0.002
15	9	2.223	2.227	-0.004
15	10	2.164	2.167	-0.003
30	11	2.262	2.255	0.007
30	12	2.328	2.327	0.001
30	13	2.333	2.338	-0.005
30	14	2.231	2.223	0.008
30	15	2.433	2.430	0.003
35	16	2.368	2.360	0.008
35	17	2.358	2.352	0.006
35	18	2.432	2.421	0.011
35	19	2.255	2.249	0.006
35	20	2.448	2.438	0.010
50	21	2.311	2.311	0.000
50	22	2.297	2.292	0.006
50	23	2.252	2.253	0.000
50	24	2.411	2.408	0.003
50	25	2.495	2.480	0.015
55	26	2.237	2.226	0.011
55	27	2.349	2.326	0.023
55	28	2.326	2.303	0.023
55	29	2.283	2.274	0.010
55	31	2.224	2.214	0.010
Max		2.495	2.480	0.023
Average		2.308	2.304	0.004
Min		2.101	2.102	-0.006
Std Dev		0.093	0.091	0.007



41.2 __SoftStart ChargeCurrent							
Test Site							
Tester							
Test Number							
Max Limit		2.79	μA				
Min Limit		1.44	μA				
krad(Si)	0	10	15	30	35	50	55
LL	1.440	1.440	1.440	1.440	1.440	1.440	1.440
Min	2.183	2.102	2.167	2.223	2.249	2.253	2.214
Average	2.243	2.299	2.266	2.314	2.364	2.349	2.269
Max	2.315	2.445	2.426	2.430	2.438	2.480	2.327
UL	2.790	2.790	2.790	2.790	2.790	2.790	2.790

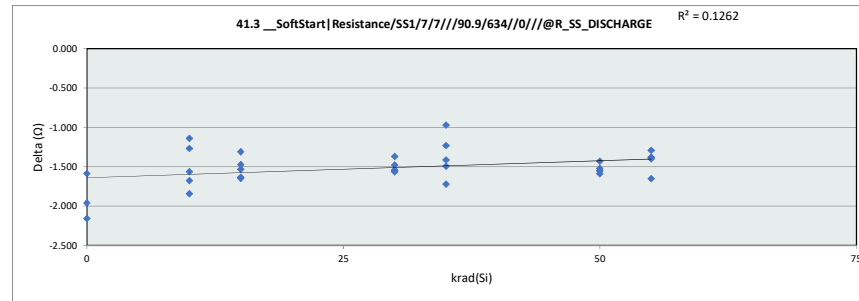


TID HDR Report

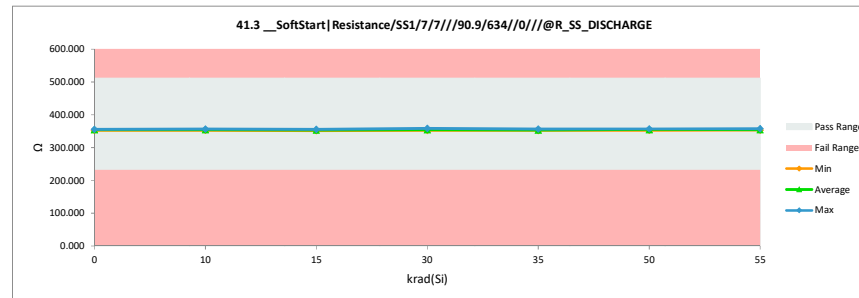
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.3 __SoftStart Resistance/SS1/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	Ω	Ω		
Max Limit	513	511		
Min Limit	230	232		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	350.641	352.228	-1.587
0	98	352.677	354.835	-2.158
0	99	353.629	355.590	-1.960
10	1	354.290	355.559	-1.269
10	2	354.605	356.282	-1.677
10	3	353.016	354.157	-1.141
10	4	351.229	352.793	-1.563
10	5	352.217	354.059	-1.842
15	6	351.973	353.506	-1.533
15	7	354.084	355.719	-1.635
15	8	351.718	353.030	-1.312
15	9	351.582	353.055	-1.473
15	10	350.180	351.829	-1.649
30	11	350.779	352.344	-1.565
30	12	351.013	352.384	-1.371
30	13	352.266	353.745	-1.479
30	14	356.954	358.496	-1.543
30	15	352.661	354.207	-1.546
35	16	353.757	354.729	-0.972
35	17	351.147	352.868	-1.721
35	18	350.259	351.753	-1.494
35	19	351.416	352.648	-1.232
35	20	355.125	356.540	-1.415
50	21	354.088	355.636	-1.547
50	22	353.105	354.659	-1.554
50	23	355.563	356.994	-1.431
50	24	352.474	353.997	-1.523
50	25	350.837	352.426	-1.589
55	26	352.628	354.029	-1.401
55	27	356.062	357.446	-1.384
55	28	351.615	352.908	-1.293
55	29	351.934	353.587	-1.653
55	31	353.618	354.999	-1.381
Max		356.954	358.496	-0.972
Average		352.701	354.213	-1.512
Min		350.180	351.753	-2.158
Std Dev		1.717	1.708	0.225



41.3 __SoftStart Resistance/S							
Test Site							
Tester							
Test Number							
Max Limit	511	Ω					
Min Limit	232	Ω					
krad(Si)	0	10	15	30	35	50	55
LL	232.000	232.000	232.000	232.000	232.000	232.000	232.000
Min	352.228	352.793	351.829	352.344	351.753	352.426	352.908
Average	354.217	354.570	353.428	354.235	353.708	354.742	354.594
Max	355.590	356.282	355.719	358.496	356.540	356.994	357.446
UL	511.000	511.000	511.000	511.000	511.000	511.000	511.000

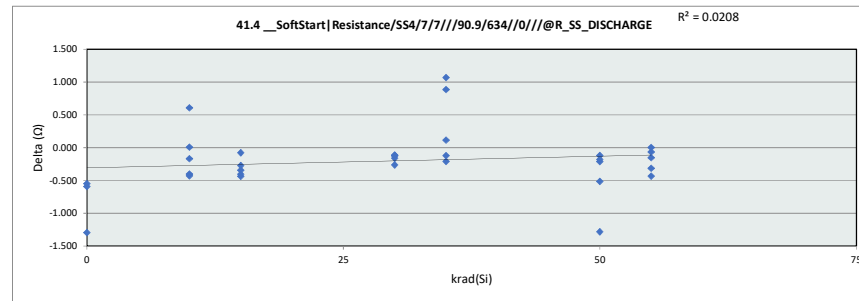


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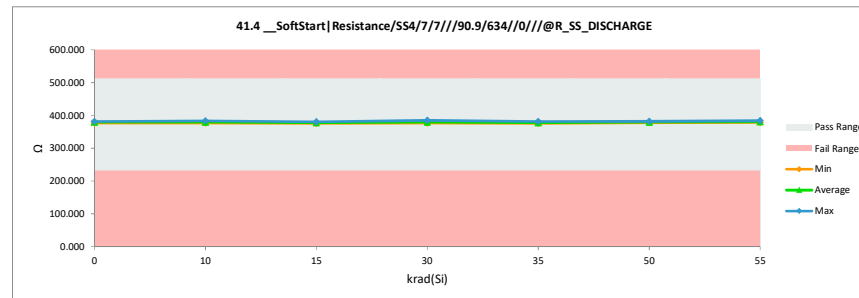
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.4 __SoftStart Resistance/SS4/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	Ω	Ω		
Max Limit	513	511		
Min Limit	230	232		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	375.465	376.761	-1.295
0	98	379.186	379.779	-0.593
0	99	380.822	381.371	-0.549
10	1	381.730	381.723	0.007
10	2	382.963	383.366	-0.403
10	3	378.888	379.056	-0.169
10	4	378.063	378.492	-0.429
10	5	377.588	376.980	0.608
15	6	378.338	378.611	-0.272
15	7	379.871	380.215	-0.343
15	8	377.181	377.587	-0.406
15	9	377.184	377.621	-0.437
15	10	375.765	375.844	-0.079
30	11	376.770	376.931	-0.161
30	12	377.236	377.352	-0.116
30	13	380.033	380.151	-0.118
30	14	384.445	384.708	-0.264
30	15	380.098	380.224	-0.126
35	16	378.918	378.803	0.114
35	17	375.980	376.189	-0.210
35	18	375.906	376.027	-0.121
35	19	378.535	377.469	1.066
35	20	382.171	381.287	0.884
50	21	380.223	380.342	-0.119
50	22	378.822	379.003	-0.181
50	23	381.541	381.753	-0.212
50	24	379.080	380.361	-1.281
50	25	377.269	377.783	-0.514
55	26	379.155	379.469	-0.314
55	27	383.689	383.754	-0.065
55	28	378.580	378.578	0.002
55	29	379.328	379.761	-0.433
55	31	379.309	379.463	-0.153
	Max	384.445	384.708	1.066
	Average	379.095	379.297	-0.202
	Min	375.465	375.844	-1.295
	Std Dev	2.252	2.221	0.458



41.4 __SoftStart Resistance/S							
Test Site							
Tester							
Test Number							
Max Limit	511	Ω					
Min Limit	232	Ω					
krad(Si)	0	10	15	30	35	50	55
LL	232.000	232.000	232.000	232.000	232.000	232.000	232.000
Min	376.761	376.980	375.844	376.931	376.027	377.783	378.578
Average	379.303	379.924	377.975	379.873	377.955	379.848	380.205
Max	381.371	383.366	380.215	384.708	381.287	381.753	383.754
UL	511.000	511.000	511.000	511.000	511.000	511.000	511.000

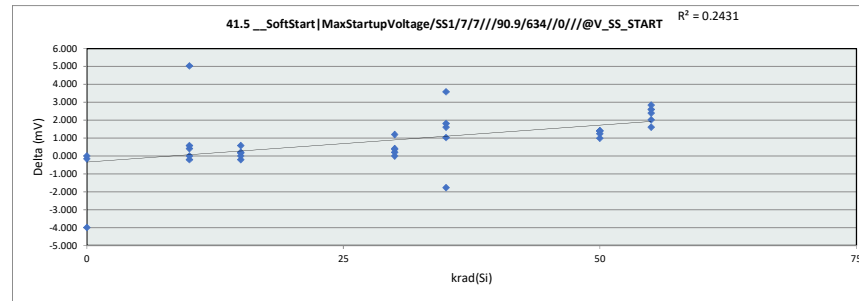


TID HDR Report

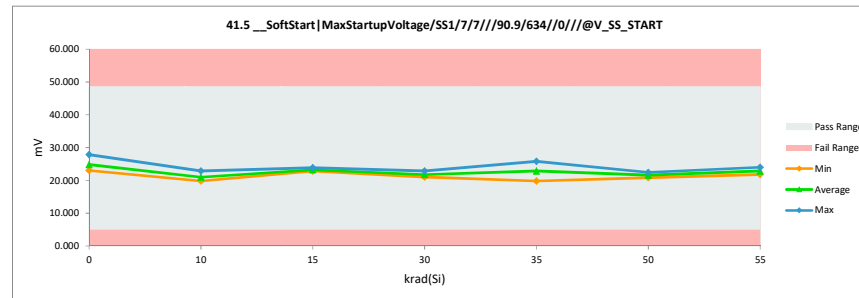
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.5 __SoftStart MaxStartupVoltage/SS1/7/7/				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	22.856	23.021	-0.165
0	98	23.846	27.844	-3.998
0	99	23.639	23.639	0.000
10	1	20.424	20.424	0.000
10	2	23.433	22.856	0.577
10	3	24.835	19.806	5.029
10	4	21.249	20.837	0.412
10	5	20.837	21.043	-0.206
15	6	22.650	22.856	-0.206
15	7	23.021	22.856	0.165
15	8	23.433	23.227	0.206
15	9	24.010	23.433	0.577
15	10	23.846	23.846	0.000
30	11	23.227	22.856	0.371
30	12	21.620	21.414	0.206
30	13	21.043	21.043	0.000
30	14	22.444	21.249	1.195
30	15	22.650	22.238	0.412
35	16	24.629	21.043	3.586
35	17	22.444	24.217	-1.773
35	18	25.247	23.433	1.814
35	19	21.414	19.806	1.608
35	20	26.855	25.824	1.031
50	21	22.238	20.837	1.401
50	22	23.433	22.032	1.401
50	23	23.433	22.444	0.989
50	24	22.650	21.249	1.401
50	25	22.856	21.620	1.237
55	26	24.217	21.826	2.391
55	27	25.247	23.227	2.020
55	28	23.846	22.238	1.608
55	29	26.855	24.010	2.844
55	31	25.618	23.021	2.597
	Max	26.855	27.844	5.029
	Average	23.335	22.464	0.871
	Min	20.424	19.806	-3.998
	Std Dev	1.572	1.662	1.557



41.5 __SoftStart MaxStartupV							
Test Site							
Tester							
Test Number							
Max Limit	48.5		mV				
Min Limit	5		mV				
krad(Si)	0	10	15	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	23.021	19.806	22.856	21.043	19.806	20.837	21.826
Average	24.835	20.993	23.244	21.760	22.865	21.636	22.865
Max	27.844	22.856	23.846	22.856	25.824	22.444	24.011
UL	48.500	48.500	48.500	48.500	48.500	48.500	48.500

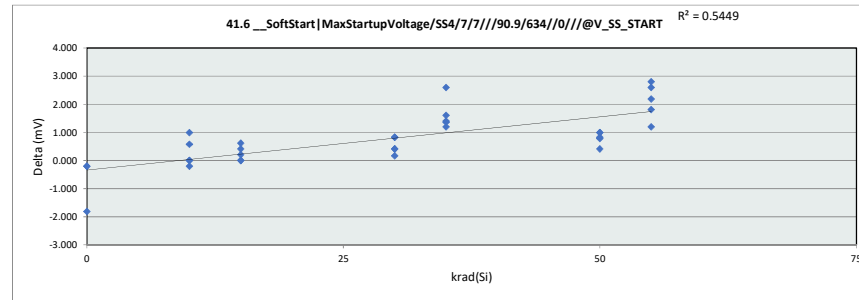


TID HDR Report

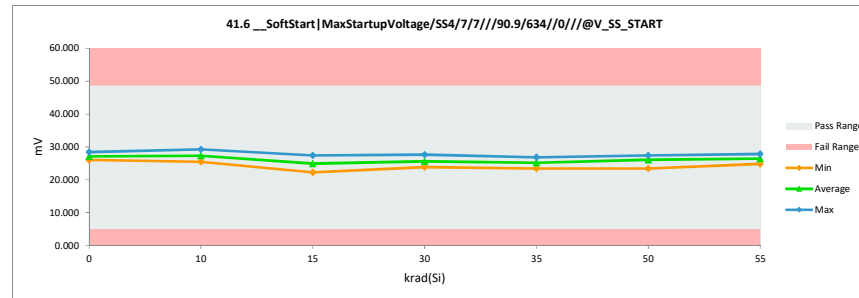
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.6 __SoftStart MaxStartupVoltage/SS4/7/7///90.9/634/0///@V_SS_START				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	25.041	26.855	-1.814
0	98	28.215	28.421	-0.206
0	99	25.824	26.030	-0.206
10	1	29.039	29.245	-0.206
10	2	28.050	28.050	0.000
10	3	26.030	25.453	0.577
10	4	26.649	26.649	0.000
10	5	28.050	27.061	0.989
15	6	26.442	26.030	0.412
15	7	24.835	24.217	0.618
15	8	22.444	22.238	0.206
15	9	27.432	27.432	0.000
15	10	24.629	24.629	0.000
30	11	24.010	23.846	0.165
30	12	28.050	27.638	0.412
30	13	27.061	26.649	0.412
30	14	25.041	24.217	0.824
30	15	26.442	25.618	0.824
35	16	24.629	23.433	1.195
35	17	25.824	24.423	1.401
35	18	28.215	26.855	1.360
35	19	27.844	25.247	2.597
35	20	27.432	25.824	1.608
50	21	24.423	23.433	0.989
50	22	28.421	27.432	0.989
50	23	27.638	26.855	0.783
50	24	27.638	27.226	0.412
50	25	26.442	25.618	0.824
55	26	26.030	24.835	1.195
55	27	28.833	26.649	2.185
55	28	29.658	27.844	1.814
55	29	29.245	26.442	2.803
55	31	29.039	26.442	2.597
Max		29.658	29.245	2.803
Average		26.806	26.025	0.781
Min		22.444	22.238	-1.814
Std Dev		1.753	1.605	0.952



41.6 __SoftStart MaxStartupV							
Test Site							
Tester							
Test Number							
Max Limit	48.5						mV
Min Limit	5						mV
krad(Si)	0	10	15	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Min	26.030	25.453	22.238	23.846	23.433	23.433	24.835
Average	27.102	27.292	24.909	25.593	25.156	26.113	26.442
Max	28.421	29.245	27.432	27.638	26.855	27.432	27.844
UL	48.500	48.500	48.500	48.500	48.500	48.500	48.500

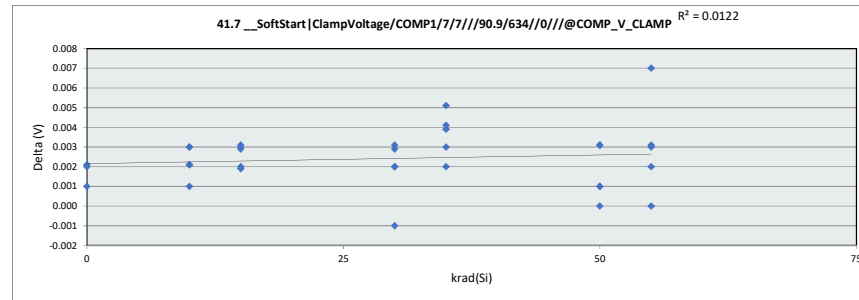


TID HDR Report

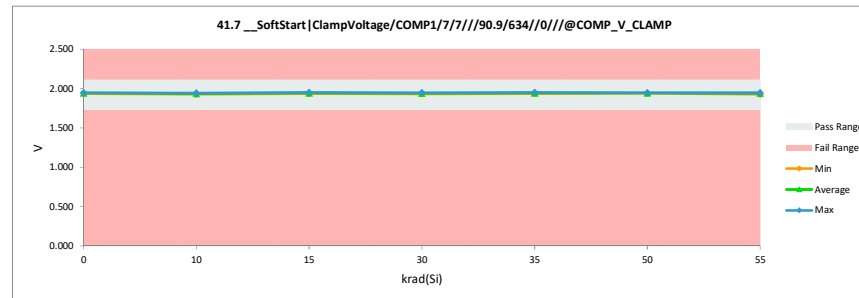
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.7 __SoftStart ClampVoltage/COMP1/7/7//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.105		
Min Limit	1.7	1.725		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.938	1.937	0.001
0	98	1.948	1.946	0.002
0	99	1.946	1.944	0.002
10	1	1.944	1.941	0.003
10	2	1.937	1.936	0.001
10	3	1.945	1.942	0.002
10	4	1.931	1.928	0.003
10	5	1.935	1.933	0.002
15	6	1.952	1.951	0.002
15	7	1.941	1.938	0.003
15	8	1.948	1.945	0.003
15	9	1.947	1.944	0.003
15	10	1.939	1.937	0.002
30	11	1.941	1.939	0.002
30	12	1.949	1.947	0.002
30	13	1.935	1.931	0.003
30	14	1.939	1.939	-0.001
30	15	1.939	1.937	0.003
35	16	1.952	1.949	0.002
35	17	1.947	1.941	0.005
35	18	1.939	1.935	0.004
35	19	1.946	1.941	0.004
35	20	1.942	1.939	0.003
50	21	1.939	1.939	0.001
50	22	1.947	1.946	0.001
50	23	1.945	1.945	0.000
50	24	1.946	1.942	0.003
50	25	1.947	1.944	0.003
55	26	1.949	1.942	0.007
55	27	1.942	1.941	0.002
55	28	1.947	1.944	0.003
55	29	1.929	1.926	0.003
55	31	1.944	1.944	0.000
Max		1.952	1.951	0.007
Average		1.943	1.940	0.002
Min		1.929	1.926	-0.001
Std Dev		0.006	0.006	0.001



41.7 __SoftStart ClampVoltage/COMP1/7/7//90.9/634//0///@COMP_V_CLAMP							
Test Site							
Tester							
Test Number							
Max Limit	2.105	V					
Min Limit	1.725	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.725	1.725	1.725	1.725	1.725	1.725	1.725
Min	1.937	1.928	1.937	1.932	1.935	1.939	1.927
Average	1.942	1.936	1.943	1.939	1.941	1.943	1.939
Max	1.946	1.943	1.951	1.947	1.950	1.946	1.944
UL	2.105	2.105	2.105	2.105	2.105	2.105	2.105

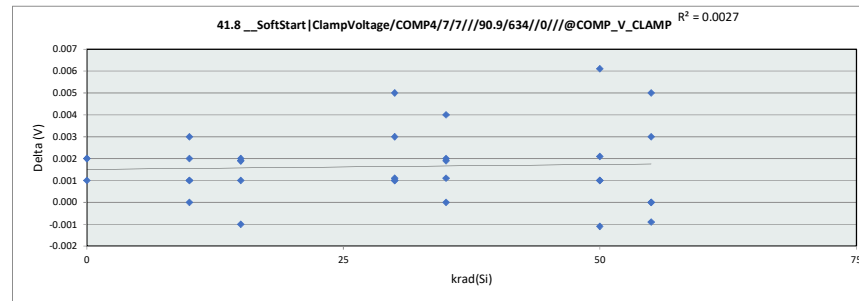


TID HDR Report

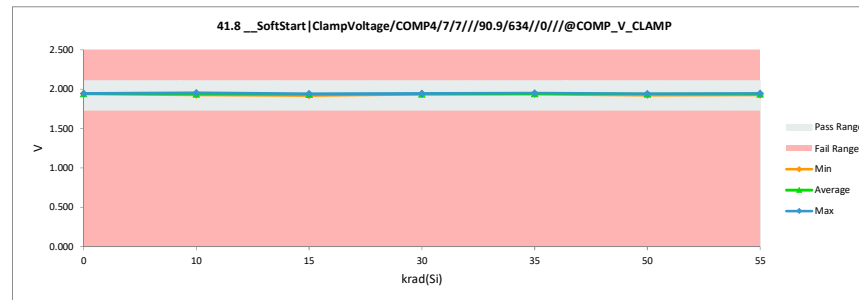
TPS7H4102-SEP

krad(Si)	Description
10	10 krad Unbiased
15	10 krad Biased
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.8 __SoftStart ClampVoltage/COMP4/7/7//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.105		
Min Limit	1.7	1.725		
krad(Si)	Serial #	Post_HDR_4102SEP	Pre_HDR_TPS7H4102SEP	Delta
0	97	1.941	1.939	0.002
0	98	1.947	1.945	0.002
0	99	1.946	1.945	0.001
10	1	1.941	1.939	0.002
10	2	1.952	1.952	0.000
10	3	1.937	1.936	0.001
10	4	1.938	1.935	0.003
10	5	1.928	1.926	0.001
15	6	1.939	1.937	0.002
15	7	1.921	1.921	0.001
15	8	1.944	1.941	0.002
15	9	1.934	1.935	-0.001
15	10	1.939	1.938	0.002
30	11	1.935	1.934	0.001
30	12	1.944	1.941	0.003
30	13	1.939	1.939	0.001
30	14	1.945	1.944	0.001
30	15	1.944	1.939	0.005
35	16	1.944	1.941	0.002
35	17	1.954	1.951	0.004
35	18	1.939	1.937	0.002
35	19	1.938	1.938	0.000
35	20	1.945	1.944	0.001
50	21	1.942	1.941	0.001
50	22	1.945	1.942	0.002
50	23	1.923	1.925	-0.001
50	24	1.946	1.939	0.006
50	25	1.944	1.942	0.001
55	26	1.949	1.946	0.003
55	27	1.944	1.939	0.005
55	28	1.945	1.945	0.000
55	29	1.938	1.939	-0.001
55	31	1.926	1.926	0.000
Max		1.954	1.952	0.006
Average		1.940	1.939	0.002
Min		1.921	1.921	-0.001
Std Dev		0.007	0.007	0.002



41.8 __SoftStart ClampVoltage/COMP4/7/7//90.9/634//0///@COMP_V_CLAMP							
Test Site							
Tester							
Test Number							
Max Limit	2.105	V					
Min Limit	1.725	V					
krad(Si)	0	10	15	30	35	50	55
LL	1.725	1.725	1.725	1.725	1.725	1.725	1.725
Min	1.940	1.927	1.921	1.934	1.937	1.925	1.927
Average	1.943	1.938	1.934	1.939	1.942	1.938	1.939
Max	1.945	1.953	1.942	1.944	1.951	1.943	1.946
UL	2.105	2.105	2.105	2.105	2.105	2.105	2.105



6 Revision History

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

Changes from Revision * (July 2025) to Revision A (November 2025)	Page
• Changed the title of the document.....	0
• Changed the device picture and name.....	2

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Last updated 10/2025