

TPS7H4104-SEP Lookahead Total Ionizing Dose (TID) Report



ABSTRACT

This report discusses the total ionizing dose (TID) parametric results for the Texas Instruments TPS74104-SEP, 3V to 7V input, 3A per channel, quad 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	6
4 Applicable and Reference Documents	9
4.1 Applicable Documents	9
4.2 Reference Documents	9
A Appendix: HDR TID Report Data	10
B Revision History	11

List of Figures

Figure 1-1. TPS7H4104-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: 30krad (Si) and 50krad (Si)/s Biased Device Information	4
Table 2-2. HDR: 30krad (Si) and 50krad (Si)/s Unbiased Device Information	4

Trademarks

All trademarks are the property of their respective owners.

1 Device Information

1.1 Product Description

The TPS7H4104-SEP is an integrated, 7V, 3A per channel, quad channel, peak- current mode, synchronous buck converter designed for use in area sensitive, space environment applications. The device incorporate four identical channels that can be used to step down the power input voltage (PVIN) into four independent voltages up to 3A per phase or interleaved to increment the output current as needed, up to 12A.

Each channel incorporate 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. The TPS7H4104 also incorporates an input (EN_SEQ) to create a sequential power up and reverse sequence down.

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

The TPS7H4104-SEP is packaged in a 64-pin HTQFP plastic package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2320801PYE.

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	TPS7H4104-SEP
TI Part Name	PTPS7H4104PAPTSEP
Package	64-pin HTQFP (PAP)
Technology	LBC7
Quantity Tested	20
Lot Accept/Reject	All levels tested and passed up to 50krad(Si)
HDR Radiation Facility	Texas Instruments, Dallas, TX
HDR Dose Level	30 krad(Si), 50 krad(Si)
HDR Dose Rate	172.681rads(Si)/s
HDR Radiation Source	Gammacell (Hopewell, GR420) Co-60
Irradiation Temperature	Ambient room temperature



Figure 1-1. TPS7H4104-SEP Device

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H4104-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 TPS7H4104-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 172.681rads(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

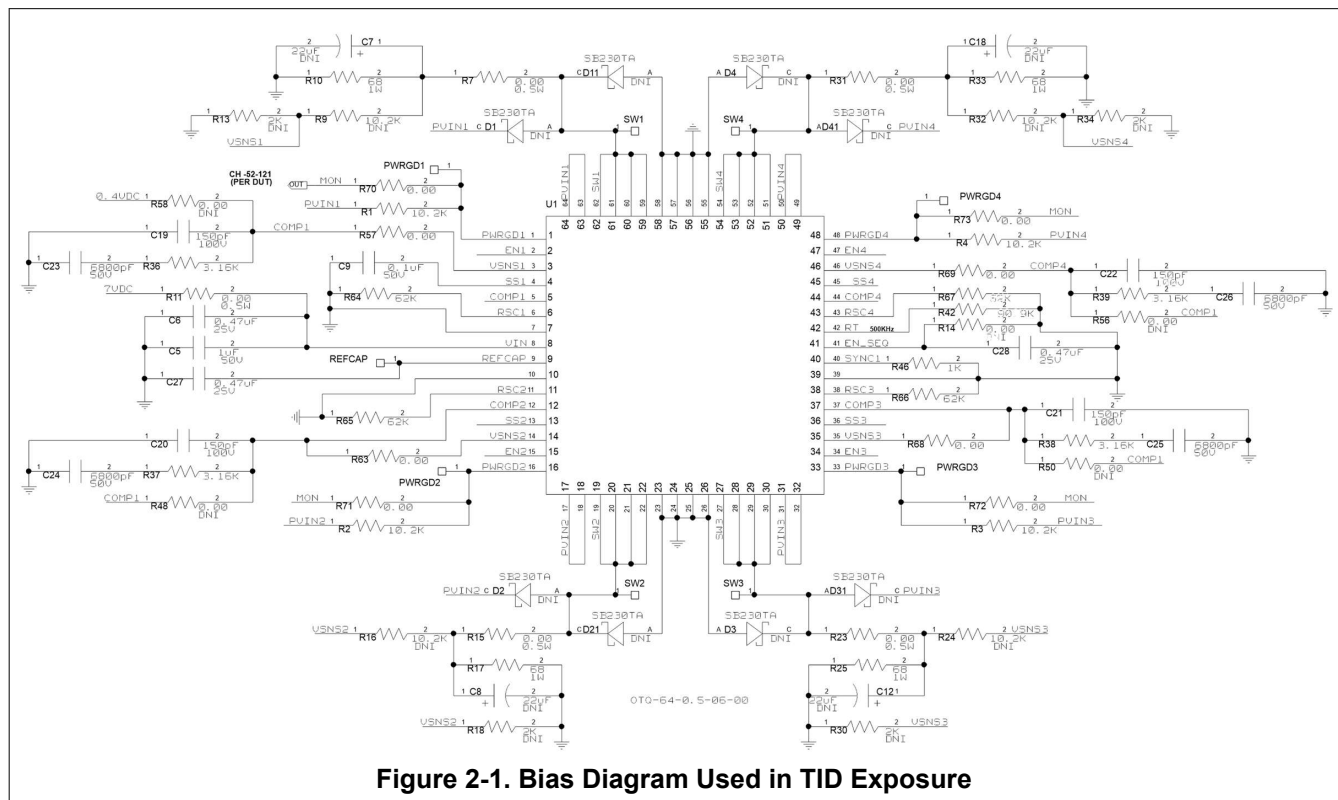
The devices under HDR exposure were tested in two conditions (biased and unbiased) as described in the following sections.

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 30krad(Si) and 50krad(Si) for biased and unbiased conditions.

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

Total Samples: 10	
Exposure Levels	
30krad(Si)	50krad(Si)
16, 17, 18, 19, 20	40, 41, 42, 43, 44

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

Total Samples: 10	
Exposure Levels	
30krad(Si)	50krad(Si)
11, 12, 13, 14, 15	30, 31, 32, 33, 34

3 TID Characterization Test Results

3.1 TID Characterization Summary Results

The parametric data for the TPS7H4104-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 TPS7H4104-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 parameters that showed a greater degree of change between pre- and post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [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 $T_A = -55^\circ C$ to $125^\circ C$, typical values are at $T_A = 25^\circ C$, valid for all 4 phases, unless otherwise noted; includes group E radiation testing at $T_A = 25^\circ C$

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	42.13 to 42.16	
V _{UVLOF_VIN}	VIN internal UVLO falling threshold	I _{OUTx} = 0A, V _{ENx} = 1V, PVIN = 5V		2.47	2.52	2.60		42.17 to 42.20	
V _{UVLOR_PVIN}	PVIN internal UVLO rising threshold	I _{OUTx} = 0A, V _{ENx} = 1V, VIN = 5V		2.39	2.44	2.58		42.1 to 42.4	
V _{UVLOF_PVIN}	PVIN internal UVLO falling threshold	I _{OUTx} = 0A, V _{ENx} = 1V, VIN = 5V		1.97	2	2.11		42.5 to 42.8	
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			2.27	4.3		18.2, 19.2	
I _{Q_VIN}	VIN operating quiescent current (non switching)	V _{ENx} = 7V, VSNSx = 1V			6.67	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	0.635	V	33.1 to 33.4 and 34.1 to 34.4	
V _{ENx_FALLING}	Enable falling threshold (turn-off)	PVINx = VIN = 5V		0.473	0.500	0.532		33.5 to 33.8 and 34.5 to 34.8	
V _{EN_SEQ_RISING}	Enable sequence rising threshold (sequence up)	Rise time ≥ 100ns			71%	80%	× VIN	54.2	
V _{EN_SEQ_FALLING}	Enable sequence falling threshold (sequence down)	Fall time ≤ 100ns		17%	25%	54.3			
V _{CHx_ON}	Sequence UP deemed good voltage				87.4%		× V _{REFx}	55.1 to 55.3 and 56.1 to 56.3	
V _{CHx_OFF}	Sequence DOWN deemed no-good voltage				15.4%			55.4 to 55.6 and 56.4 to 56.6	
t _{ENx_VIN_RISING_PD}	Enable propogation delay when ENx and VIN are tied together.	VIN=ENx high to SW high			0.85	1.7	ms	35.1 to 35.4 and 36.1 to 36.4	
t _{ENx_RISING_PD}	Enable propogation delay	ENx high to SW high when VIN>V _{UVLOR_VIN} for at least 1.7ms			50	100	µs	35.5 to 35.8 and 36.5 to 36.8	
t _{ENx_FALLING_PD}	Disabled propagation delay	ENx low to SW high impedance			9.5	35		35.9 to 35.12 and 36.9 to 36.12	
I _{ENx_LKG}	Enable input leakage current	V _{ENx} = 7V			0.05	154	nA	34.13 to 34.16	
VOLTAGE REFERENCE									
V _{REFx}	Internal voltage reference (including error amplifier V _{IOx})		T _A = 25°C	592.44	599.44	604.34	mV	21.2 to 21.5 and 22.2 to 22.5	
V _{REFCAP}	REFCAP voltage			1.2	1.235	1.248	V	21.1, 22.1	

3.2 Specification Compliance Matrix (continued)

Over $3V \leq V_{IN} \leq 7V$, $PV_{INx} = V_{IN}$, $REFCAP = 470nF$, open loop configuration, over operating temperature range $T_A = -55^\circ C$ to $125^\circ C$, typical values are at $T_A = 25^\circ C$, valid for all 4 phases, unless otherwise noted; includes group E radiation testing at $T_A = 25^\circ C$

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 38.4 and 39.1 to 39.4	
gm _{EAx}	Error amplifier transconductance	−10μA < I _{COMP} < 10μA, V _{COMP} = 1V	T _A = 25°C	1153	1672	2191	μS	38.5 to 38.8; 38.17 to 38.20; 39.5 to 39.8; and 39.17 to 39.20	
EA _{x_ISRC}	Error amplifier source	V _{COMP} = 1V, ± 100mV input overdrive		88	137	200	μA	38.9 to 38.12 and 39.9 to 39.12	
EA _{x_ISNK}	Error amplifier sink			87	135	200		38.13 to 38.16 and 39.13 to 39.16	
gm _{PSx}	Power stage transconductance	V _{COMPx} = 500mV		5.78	8.35	10.46	S	68.17 to 68.20 and 69.17 to 69.20	
gm _{PSx_MATCHING}	Power stage transconductance matching across all phases	V _{COMPx} = 500mV		1%				68.21 to 68.24 and 69.21 to 69.24	
OVERCURRENT PROTECTION									
I _{OC_HSx}	High-side switch overcurrent threshold	Slew rate = 25mA/μs		5.0	5.6	6.3	A	26.2 to 26.5 and 27.2 to 27.5	
I _{OC_LS_SOURCINGx}	Low-side switch overcurrent sourcing threshold			4.39	6	7.6	A	28.2 to 28.5; 29.2 to 29.5; and 77.2 to 77.5	
I _{OC_LS_SINKINGx}	Low-side switch overcurrent sinking threshold			1.5	2.55	3.9	A	28.6 to 28.9; 29.6 to 29.9; and 77.6 to 77.9	
COMPX _{CLAMP}	COMP voltage clamp			1.7	1.9	2.13	V	40.13 to 40.16 and 41.13 to 41.16	
SOFT START AND TRACKING									
I _{SS_TRx}	Soft start charge current	V _{SS_TRx} ≥ 90mV		1.4	2.31	2.83	μA	40.1 to 40.4 and 41.1 to 41.4	
R _{SS_TRx_DISCHARGE}	Soft start discharge pull-down resistor	V _{SS_TRx} = 110mV		230	376	513	Ω	40.5 and 40.8 and 41.5 to 41.8	
SS_TRx _{START_UP}	Maximum voltage on SS before startup			22			50	mV	40.9 to 40.12 and 41.9 to 41.12
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	VIN = 3V	163			260	ns	45.1 to 45.4
			VIN = 5V	182			270		46.1 to 46.4
			VIN = 7V	216			320		47.1 to 47.4

3.2 Specification Compliance Matrix (continued)

Over $3V \leq V_{IN} \leq 7V$, $PV_{INx} = V_{IN}$, $REFCAP = 470nF$, open loop configuration, over operating temperature range $T_A = -55^\circ C$ to $125^\circ C$, typical values are at $T_A = 25^\circ C$, valid for all 4 phases, unless otherwise noted; includes group E radiation testing at $T_A = 25^\circ C$

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
SWITCHING FREQUENCY AND SYNCHRONIZATION								
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 3V			221	314	ns	72.13 to 72.16
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 5V			194	234	ns	73.1 to 73.4
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 7V			184	234	ns	74.13 to 74.16
V _{SYNC_VIH}	SYNC input high	V _{IN} = 3V		1.4			V	72.17
		V _{IN} = 5V		1.8				73.5
		V _{IN} = 7V		2				74.17
V _{SYNC_VIL}	SYNC input low			0.8			V	72.18, 74.18
t _{CLK_E_I}	External clock to internal clock detection time	RT populated		2		6	× T _{SYNC}	72.22 to 72.25 and 74.22 to 74.25
POWER GOOD								
PWRGD _{XUV_FAULT}	V _{SENSE} falling threshold (fault)			89%	91%	92%		30.5 to 30.8 and 31.5 to 31.8
PWRGD _{XUV_GOOD}	V _{SENSE} rising threshold (good)			92%	94%	96%		30.9 to 30.12 and 31.9 to 31.12
PWRGD _{XOV_FAULT}	V _{SENSE} rising threshold (fault)			107%	109%	111%		30.13 to 30.16 and 31.13 to 31.16
PWRGD _{XOV_GOOD}	V _{SENSE} falling threshold (good)			104%	106%	108%		30.17 to 30.20 and 31.17 to 31.20
I _{PWRGDx_LKG}	Output open high leakage	V _{SENSEX} = V _{REFx} , V _{PWRGD} = 7V		2		20	nA	31.21 to 31.24
V _{PWRGDx_VOL}	Power good output low	I _{PWRGD_SINK} ≤ 2mA		310		400	mV	30.1 to 30.4 and 31.1 to 31.4
V _{IN_MIN_PWRGDx}	Minimum VIN for valid PWRGD output	Measured when V _{PWRGD} ≤ 0.5V at 100μA		0.6		1	V	30.25 and 30.28
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 48.4
		PVIN = VIN = 5V, I _{OUTx} = 500mA	T _A = 25°C	62		80		49.1 to 49.4
		PVIN = VIN = 7V, I _{OUTx} = 500mA	T _A = 25°C	59		76		50.1 to 50.4
R _{DS_ON_LSx}	Low-side switch resistance	PVIN = VIN = 3V, I _{OUTx} = 500mA	T _A = 25°C	58		68	mΩ	51.1 to 51.4
		PVIN = VIN = 5V, I _{OUTx} = 500mA	T _A = 25°C	55		64		52.1 to 52.44
		PVIN = VIN = 7V, I _{OUTx} = 500mA	T _A = 25°C	54		63		53.1 to 53.4

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H4104-SP Radiation-Hardeness-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
TPS7H4104-SEP

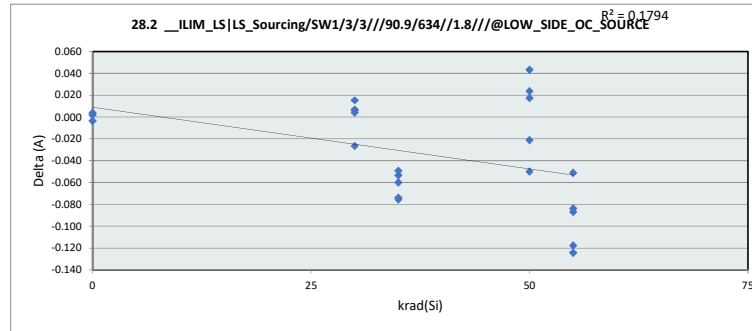
krad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

TID HDR Report

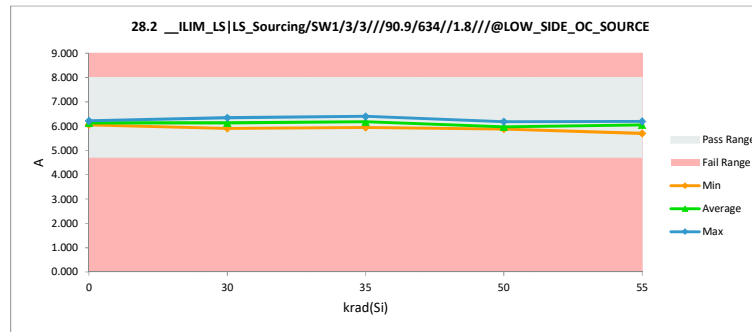
TPS7H4104-SEP

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

28.2 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.053	6.056	-0.003
0	2	6.218	6.214	0.004
0	3	6.148	6.146	0.002
30	11	6.116	6.109	0.007
30	12	6.301	6.285	0.015
30	13	6.348	6.344	0.004
30	14	6.033	6.060	-0.026
30	15	5.910	5.904	0.006
35	16	6.328	6.402	-0.074
35	17	5.976	6.052	-0.075
35	18	6.133	6.182	-0.049
35	19	6.272	6.332	-0.060
35	20	5.895	5.949	-0.053
50	30	5.923	5.880	0.043
50	31	5.979	5.961	0.017
50	32	5.833	5.883	-0.050
50	33	6.166	6.187	-0.021
50	34	5.993	5.969	0.024
55	40	6.061	6.185	-0.124
55	41	5.976	6.094	-0.118
55	42	5.988	6.075	-0.087
55	43	5.618	5.701	-0.084
55	44	6.146	6.197	-0.051
Max		6.348	6.402	0.043
Average		6.061	6.094	-0.033
Min		5.618	5.701	-0.124
Std Dev		0.174	0.171	0.047



28.2 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	6.056	5.904	5.949	5.880	5.701
Average	6.139	6.140	6.183	5.976	6.050
Max	6.214	6.344	6.402	6.187	6.197
UL	8.000	8.000	8.000	8.000	8.000

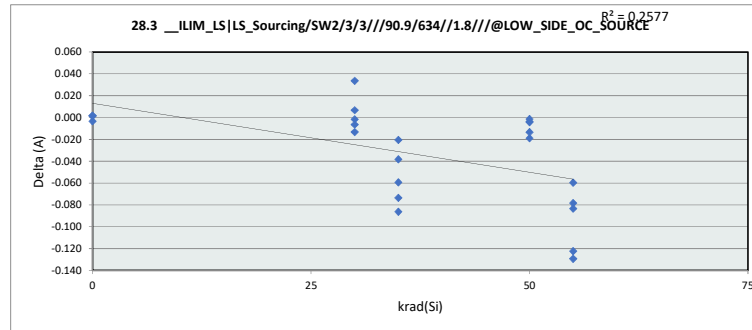


TID HDR Report

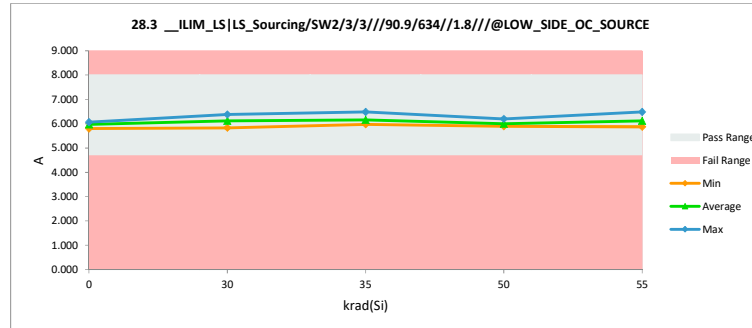
TPS7H4104-SEP

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

28.3 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.066	6.064	0.002
0	2	5.803	5.801	0.001
0	3	6.053	6.056	-0.003
30	11	6.303	6.305	-0.002
30	12	5.825	5.832	-0.007
30	13	6.413	6.380	0.034
30	14	6.095	6.109	-0.013
30	15	5.996	5.989	0.007
35	16	6.286	6.324	-0.038
35	17	5.918	5.977	-0.059
35	18	5.981	6.001	-0.021
35	19	5.943	6.016	-0.074
35	20	6.394	6.480	-0.086
50	30	5.933	5.946	-0.014
50	31	5.992	5.997	-0.004
50	32	5.908	5.927	-0.019
50	33	6.198	6.202	-0.004
50	34	5.897	5.899	-0.001
55	40	5.840	5.924	-0.083
55	41	6.256	6.378	-0.122
55	42	6.355	6.485	-0.129
55	43	5.887	5.946	-0.060
55	44	5.798	5.877	-0.078
Max		6.413	6.485	0.034
Average		6.050	6.083	-0.034
Min		5.798	5.801	-0.129
Std Dev		0.199	0.209	0.044



28.3 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.801	5.832	5.977	5.899	5.877
Average	5.974	6.123	6.160	5.994	6.122
Max	6.064	6.380	6.480	6.202	6.485
UL	8.000	8.000	8.000	8.000	8.000

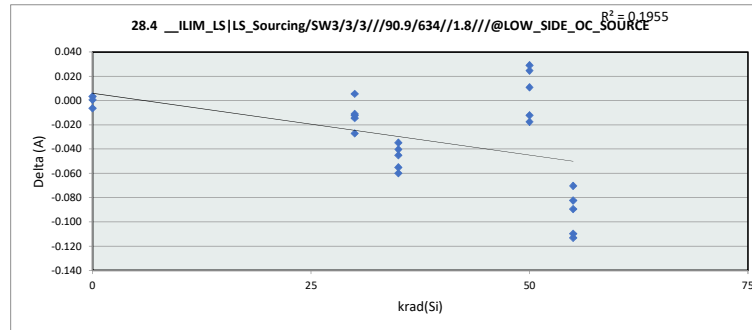


TID HDR Report

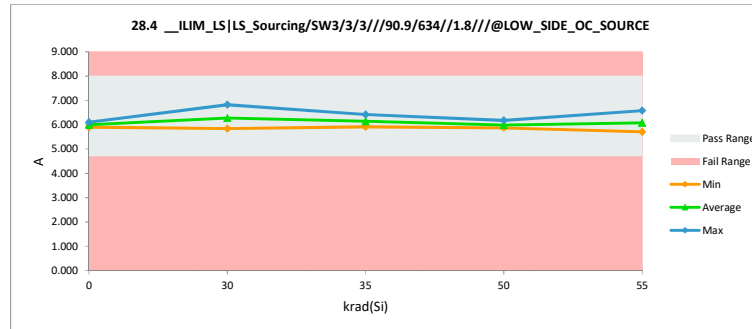
TPS7H4104-SEP

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

28.4 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.904	5.904	0.000
0	2	6.004	6.001	0.003
0	3	6.092	6.098	-0.006
30	11	6.342	6.354	-0.012
30	12	6.807	6.821	-0.015
30	13	6.269	6.296	-0.027
30	14	6.046	6.041	0.005
30	15	5.827	5.839	-0.011
35	16	5.981	6.026	-0.045
35	17	6.051	6.086	-0.035
35	18	6.206	6.246	-0.040
35	19	6.359	6.414	-0.055
35	20	5.854	5.913	-0.060
50	30	5.956	5.932	0.025
50	31	5.902	5.873	0.029
50	32	5.898	5.887	0.011
50	33	6.021	6.039	-0.018
50	34	6.164	6.176	-0.012
55	40	6.126	6.236	-0.110
55	41	5.869	5.958	-0.089
55	42	6.471	6.584	-0.113
55	43	5.633	5.703	-0.070
55	44	5.851	5.934	-0.082
Max		6.807	6.821	0.029
Average		6.071	6.103	-0.032
Min		5.633	5.703	-0.113
Std Dev		0.255	0.261	0.041



28.4 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.904	5.839	5.914	5.873	5.703
Average	6.001	6.270	6.137	5.981	6.083
Max	6.098	6.821	6.414	6.176	6.584
UL	8.000	8.000	8.000	8.000	8.000

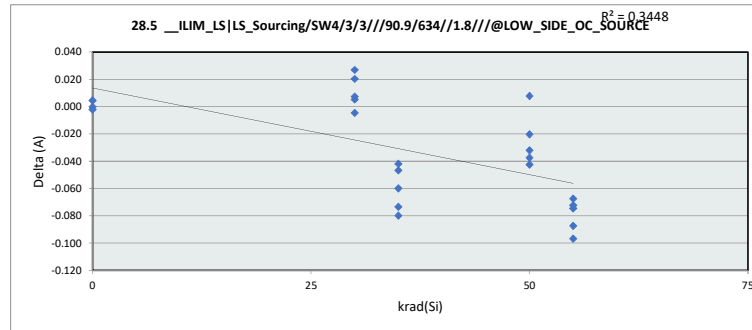


TID HDR Report

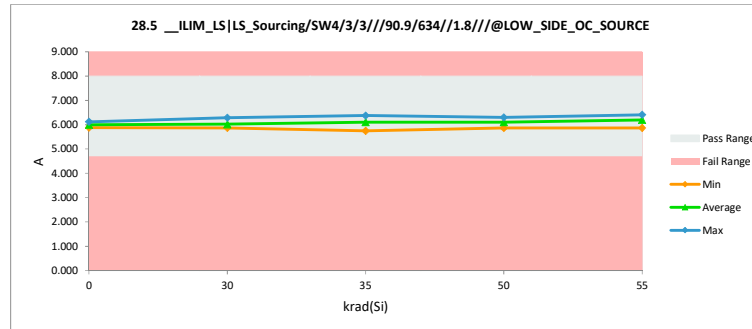
TPS7H4104-SEP

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

28.5 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.999	6.001	-0.002
0	2	5.886	5.882	0.005
0	3	6.121	6.121	0.000
30	11	5.956	5.951	0.005
30	12	6.008	6.001	0.007
30	13	6.316	6.289	0.027
30	14	5.866	5.870	-0.005
30	15	6.019	5.998	0.020
35	16	6.306	6.379	-0.073
35	17	6.186	6.266	-0.080
35	18	6.194	6.236	-0.042
35	19	5.843	5.903	-0.060
35	20	5.699	5.746	-0.047
50	30	6.309	6.301	0.008
50	31	6.187	6.219	-0.032
50	32	6.076	6.096	-0.020
50	33	6.031	6.073	-0.042
50	34	5.826	5.863	-0.037
55	40	6.236	6.324	-0.087
55	41	6.337	6.409	-0.072
55	42	6.334	6.402	-0.067
55	43	5.924	5.998	-0.075
55	44	5.769	5.866	-0.097
Max		6.337	6.409	0.027
Average		6.062	6.095	-0.033
Min		5.699	5.746	-0.097
Std Dev		0.196	0.201	0.038



28.5 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.882	5.870	5.746	5.863	5.866
Average	6.001	6.022	6.106	6.111	6.200
Max	6.121	6.289	6.379	6.301	6.409
UL	8.000	8.000	8.000	8.000	8.000

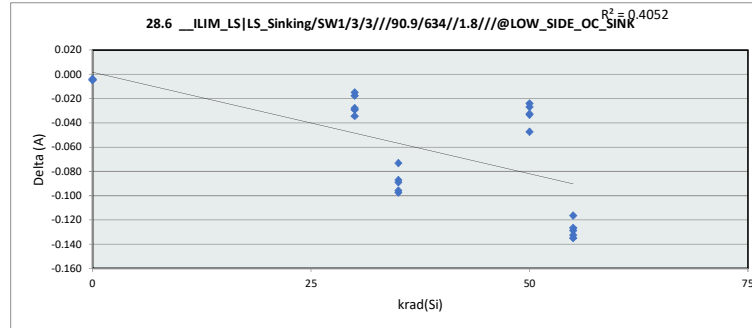


TID HDR Report

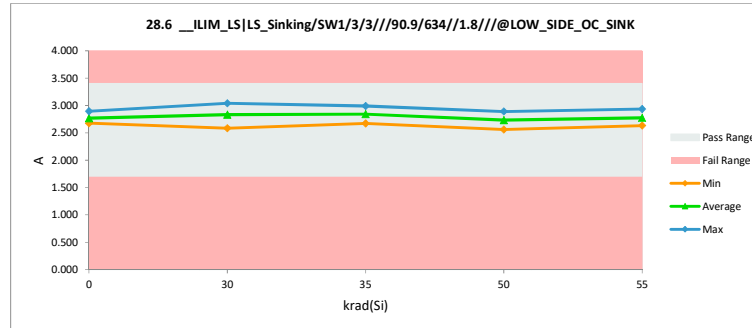
TPS7H4104-SEP

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

28.6 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.4		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.726	2.730	-0.005
0	2	2.889	2.893	-0.004
0	3	2.672	2.676	-0.005
30	11	2.780	2.810	-0.029
30	12	3.004	3.039	-0.034
30	13	2.934	2.949	-0.015
30	14	2.750	2.778	-0.028
30	15	2.568	2.586	-0.018
35	16	2.836	2.933	-0.097
35	17	2.599	2.672	-0.073
35	18	2.844	2.931	-0.087
35	19	2.901	2.990	-0.089
35	20	2.593	2.689	-0.096
50	30	2.758	2.785	-0.027
50	31	2.695	2.729	-0.033
50	32	2.536	2.560	-0.024
50	33	2.842	2.889	-0.047
50	34	2.668	2.700	-0.033
55	40	2.800	2.935	-0.135
55	41	2.640	2.773	-0.132
55	42	2.684	2.813	-0.129
55	43	2.517	2.633	-0.116
55	44	2.586	2.713	-0.127
Max		3.004	3.039	-0.004
Average		2.731	2.792	-0.060
Min		2.517	2.560	-0.135
Std Dev		0.135	0.133	0.046



28.6 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	3.4	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.676	2.586	2.672	2.560	2.633
Average	2.767	2.832	2.843	2.733	2.773
Max	2.893	3.039	2.990	2.889	2.935
UL	3.400	3.400	3.400	3.400	3.400

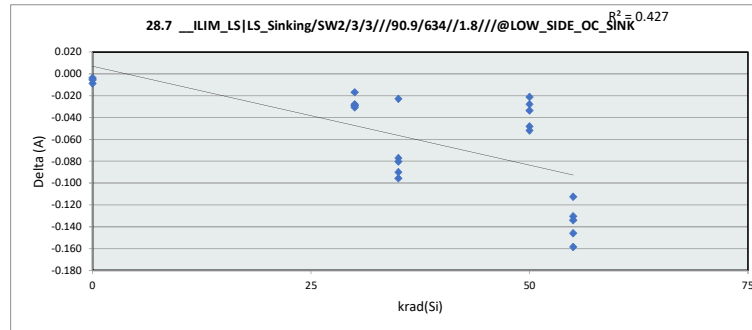


TID HDR Report

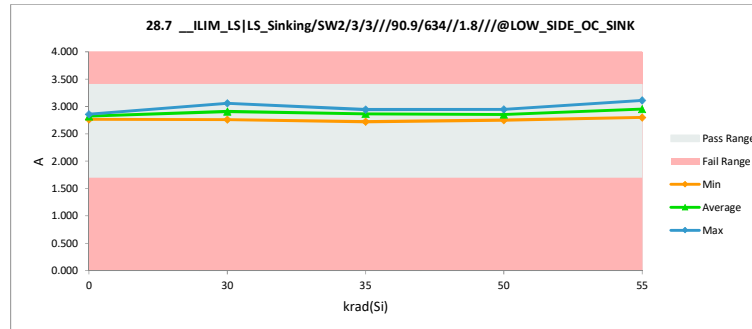
TPS7H4104-SEP

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

28.7 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.4		
Min Limit	1.75	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.840	2.843	-0.004
0	2	2.759	2.765	-0.005
0	3	2.850	2.859	-0.009
30	11	2.977	3.005	-0.029
30	12	2.743	2.760	-0.017
30	13	3.032	3.061	-0.029
30	14	2.925	2.955	-0.031
30	15	2.733	2.761	-0.028
35	16	2.803	2.880	-0.077
35	17	2.782	2.862	-0.080
35	18	2.699	2.721	-0.023
35	19	2.853	2.943	-0.090
35	20	2.830	2.926	-0.096
50	30	2.731	2.752	-0.021
50	31	2.791	2.819	-0.028
50	32	2.813	2.865	-0.052
50	33	2.898	2.946	-0.048
50	34	2.855	2.888	-0.034
55	40	2.781	2.893	-0.112
55	41	2.949	3.095	-0.146
55	42	2.954	3.112	-0.158
55	43	2.732	2.866	-0.134
55	44	2.669	2.800	-0.130
Max		3.032	3.112	-0.004
Average		2.826	2.886	-0.060
Min		2.669	2.721	-0.158
Std Dev		0.095	0.109	0.049



28.7 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	3.4	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.765	2.760	2.721	2.752	2.800
Average	2.822	2.908	2.867	2.854	2.953
Max	2.859	3.061	2.943	2.946	3.112
UL	3.400	3.400	3.400	3.400	3.400

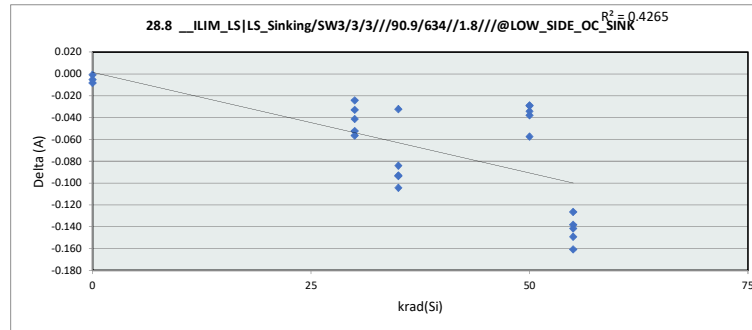


TID HDR Report

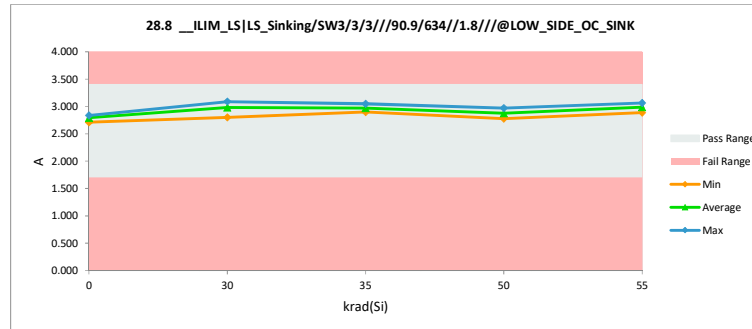
TPS7H4104-SEP

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

28.8 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.4		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.828	2.836	-0.008
0	2	2.830	2.831	-0.001
0	3	2.706	2.711	-0.005
30	11	2.960	3.016	-0.056
30	12	2.900	2.941	-0.041
30	13	3.065	3.090	-0.024
30	14	3.004	3.056	-0.052
30	15	2.768	2.801	-0.033
35	16	2.956	3.049	-0.093
35	17	2.874	2.968	-0.094
35	18	2.938	2.970	-0.032
35	19	2.897	2.981	-0.084
35	20	2.793	2.898	-0.104
50	30	2.749	2.778	-0.029
50	31	2.768	2.797	-0.029
50	32	2.827	2.865	-0.038
50	33	2.915	2.972	-0.058
50	34	2.931	2.965	-0.034
55	40	2.865	3.014	-0.149
55	41	2.844	2.982	-0.138
55	42	2.922	3.064	-0.142
55	43	2.761	2.887	-0.126
55	44	2.833	2.993	-0.161
Max		3.065	3.090	-0.001
Average		2.867	2.933	-0.067
Min		2.706	2.711	-0.161
Std Dev		0.089	0.103	0.050



28.8 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	3.4	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.711	2.801	2.898	2.778	2.887
Average	2.793	2.981	2.973	2.875	2.988
Max	2.837	3.090	3.049	2.972	3.064
UL	3.400	3.400	3.400	3.400	3.400

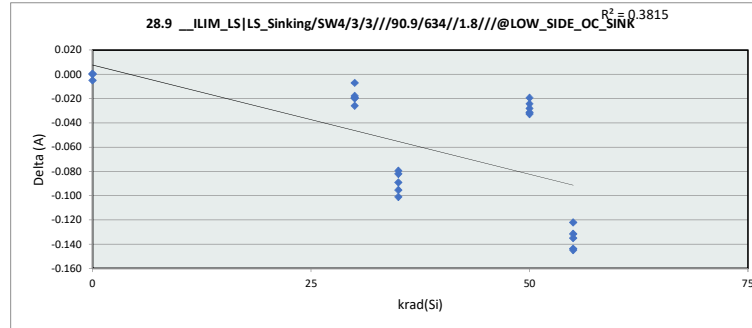


TID HDR Report

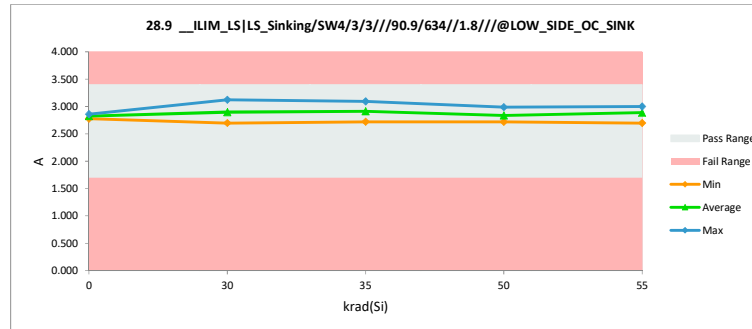
TPS7H4104-SEP

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

28.9 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.4		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.779	2.779	0.000
0	2	2.853	2.858	-0.005
0	3	2.829	2.829	0.000
30	11	2.875	2.894	-0.019
30	12	3.103	3.123	-0.020
30	13	2.878	2.904	-0.026
30	14	2.861	2.868	-0.007
30	15	2.679	2.697	-0.018
35	16	2.836	2.919	-0.082
35	17	2.772	2.873	-0.101
35	18	2.997	3.092	-0.095
35	19	2.873	2.963	-0.089
35	20	2.640	2.719	-0.079
50	30	2.954	2.986	-0.032
50	31	2.902	2.927	-0.024
50	32	2.782	2.801	-0.019
50	33	2.724	2.752	-0.028
50	34	2.685	2.718	-0.033
55	40	2.863	2.998	-0.135
55	41	2.809	2.953	-0.145
55	42	2.806	2.949	-0.144
55	43	2.576	2.698	-0.122
55	44	2.701	2.832	-0.132
Max		3.103	3.123	0.000
Average		2.816	2.875	-0.059
Min		2.576	2.697	-0.145
Std Dev		0.119	0.118	0.051



28.9 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	3.4	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.779	2.697	2.719	2.718	2.698
Average	2.822	2.897	2.913	2.837	2.886
Max	2.858	3.123	3.092	2.986	2.998
UL	3.400	3.400	3.400	3.400	3.400

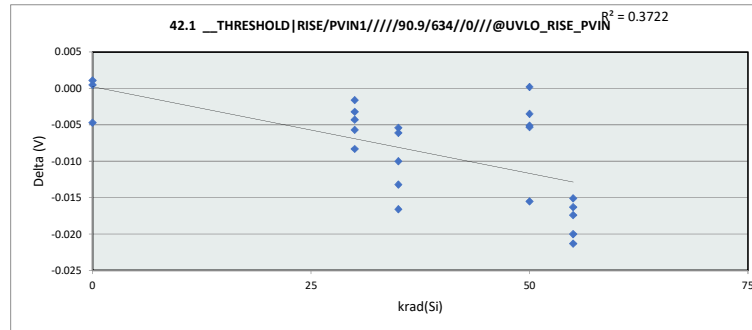


TID HDR Report

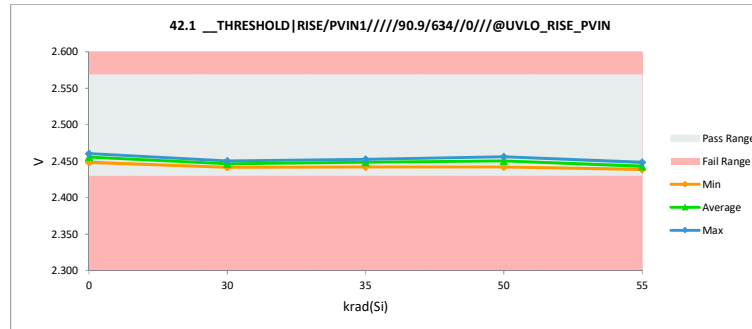
TPS7H4104-SEP

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

42.1 __THRESHOLD RISE/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.568		
Min Limit	2.39	2.43		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.459	2.459	0.000
0	2	2.450	2.448	0.001
0	3	2.456	2.460	-0.005
30	11	2.440	2.442	-0.002
30	12	2.444	2.449	-0.006
30	13	2.445	2.450	-0.004
30	14	2.442	2.450	-0.008
30	15	2.438	2.442	-0.003
35	16	2.444	2.450	-0.006
35	17	2.436	2.450	-0.013
35	18	2.437	2.442	-0.005
35	19	2.440	2.450	-0.010
35	20	2.436	2.453	-0.017
50	30	2.439	2.455	-0.016
50	31	2.437	2.442	-0.005
50	32	2.445	2.451	-0.005
50	33	2.453	2.456	-0.003
50	34	2.448	2.448	0.000
55	40	2.424	2.439	-0.015
55	41	2.423	2.440	-0.017
55	42	2.428	2.448	-0.020
55	43	2.425	2.447	-0.021
55	44	2.425	2.442	-0.016
Max		2.459	2.460	0.001
Average		2.440	2.448	-0.009
Min		2.423	2.439	-0.021
Std Dev		0.010	0.006	0.007



42.1 __THRESHOLD RISE/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.568	V			
Min Limit	2.43	V			
krad(Si)	0	30	35	50	55
LL	2.430	2.430	2.430	2.430	2.430
Min	2.448	2.442	2.442	2.442	2.439
Average	2.456	2.447	2.449	2.450	2.443
Max	2.460	2.450	2.453	2.456	2.448
UL	2.568	2.568	2.568	2.568	2.568

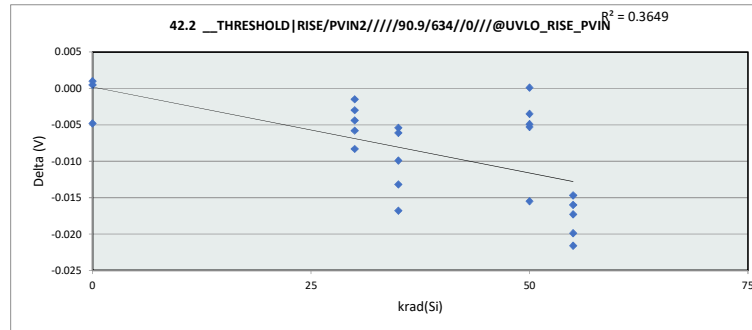


TID HDR Report

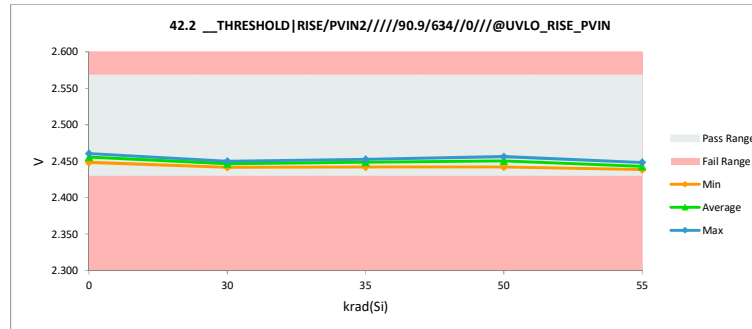
TPS7H4104-SEP

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

42.2 __THRESHOLD RISE/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.568		
Min Limit	2.39	2.43		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.459	2.459	0.000
0	2	2.449	2.448	0.001
0	3	2.455	2.460	-0.005
30	11	2.440	2.442	-0.001
30	12	2.444	2.450	-0.006
30	13	2.445	2.450	-0.004
30	14	2.442	2.450	-0.008
30	15	2.439	2.442	-0.003
35	16	2.444	2.450	-0.006
35	17	2.436	2.450	-0.013
35	18	2.437	2.442	-0.005
35	19	2.440	2.449	-0.010
35	20	2.436	2.453	-0.017
50	30	2.439	2.454	-0.016
50	31	2.437	2.442	-0.005
50	32	2.445	2.451	-0.005
50	33	2.453	2.456	-0.003
50	34	2.448	2.448	0.000
55	40	2.424	2.438	-0.015
55	41	2.423	2.440	-0.017
55	42	2.428	2.448	-0.020
55	43	2.425	2.447	-0.022
55	44	2.425	2.441	-0.016
Max		2.459	2.460	0.001
Average		2.440	2.448	-0.009
Min		2.423	2.438	-0.022
Std Dev		0.010	0.006	0.007



42.2 __THRESHOLD RISE/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.568	V			
Min Limit	2.43	V			
krad(Si)	0	30	35	50	55
LL	2.430	2.430	2.430	2.430	2.430
Min	2.448	2.442	2.442	2.442	2.438
Average	2.456	2.447	2.449	2.450	2.443
Max	2.460	2.450	2.453	2.456	2.448
UL	2.568	2.568	2.568	2.568	2.568

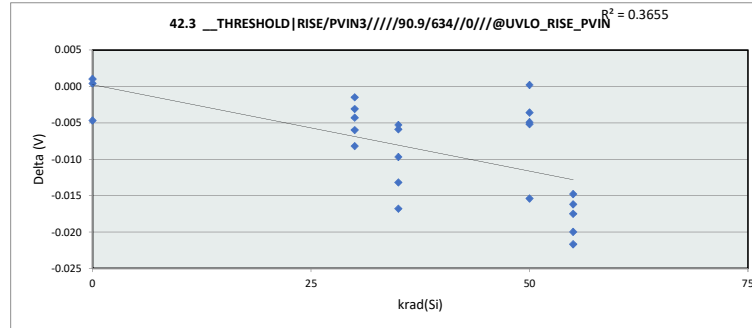


TID HDR Report

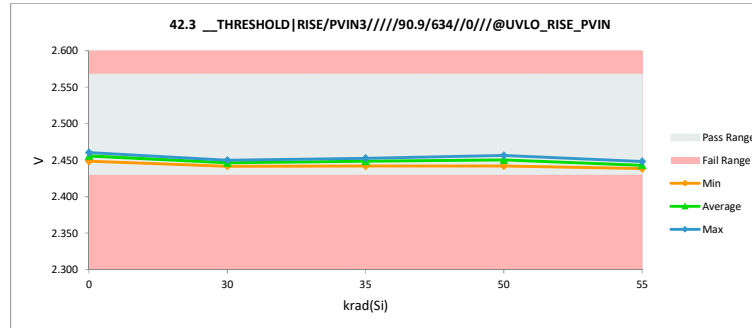
TPS7H4104-SEP

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

42.3 __THRESHOLD RISE/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.568		
Min Limit	2.39	2.43		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.459	2.459	0.000
0	2	2.450	2.448	0.001
0	3	2.456	2.460	-0.005
30	11	2.440	2.442	-0.001
30	12	2.444	2.450	-0.006
30	13	2.445	2.450	-0.004
30	14	2.442	2.450	-0.008
30	15	2.438	2.442	-0.003
35	16	2.444	2.450	-0.006
35	17	2.436	2.450	-0.013
35	18	2.437	2.442	-0.005
35	19	2.440	2.449	-0.010
35	20	2.436	2.453	-0.017
50	30	2.439	2.454	-0.015
50	31	2.437	2.442	-0.005
50	32	2.445	2.451	-0.005
50	33	2.453	2.456	-0.004
50	34	2.448	2.448	0.000
55	40	2.424	2.438	-0.015
55	41	2.423	2.440	-0.017
55	42	2.428	2.448	-0.020
55	43	2.425	2.447	-0.022
55	44	2.425	2.442	-0.016
Max		2.459	2.460	0.001
Average		2.440	2.448	-0.009
Min		2.423	2.438	-0.022
Std Dev		0.010	0.006	0.007



42.3 __THRESHOLD RISE/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.568	V			
Min Limit	2.43	V			
krad(Si)	0	30	35	50	55
LL	2.430	2.430	2.430	2.430	2.430
Min	2.449	2.442	2.442	2.442	2.438
Average	2.456	2.447	2.449	2.450	2.443
Max	2.460	2.450	2.453	2.456	2.448
UL	2.568	2.568	2.568	2.568	2.568

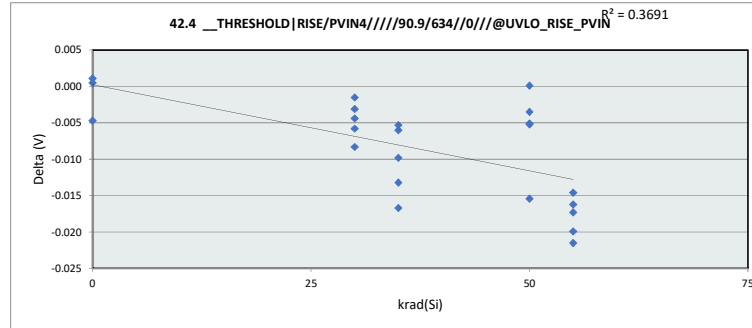


TID HDR Report

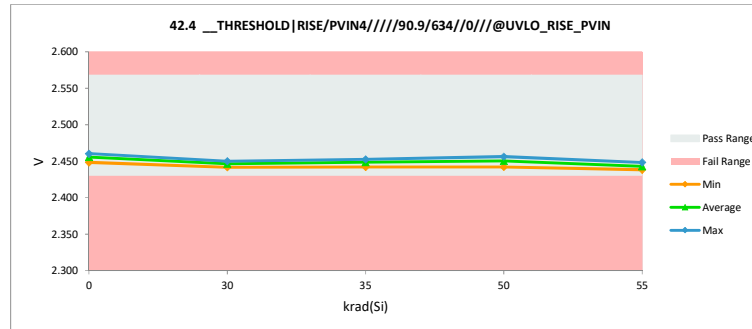
TPS7H4104-SEP

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

42.4 __THRESHOLD RISE/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.568		
Min Limit	2.39	2.43		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.459	2.459	0.000
0	2	2.450	2.448	0.001
0	3	2.456	2.460	-0.005
30	11	2.440	2.442	-0.001
30	12	2.444	2.450	-0.006
30	13	2.445	2.450	-0.004
30	14	2.442	2.450	-0.008
30	15	2.438	2.442	-0.003
35	16	2.444	2.450	-0.006
35	17	2.436	2.450	-0.013
35	18	2.437	2.442	-0.005
35	19	2.440	2.449	-0.010
35	20	2.436	2.453	-0.017
50	30	2.439	2.454	-0.015
50	31	2.437	2.442	-0.005
50	32	2.445	2.451	-0.005
50	33	2.453	2.456	-0.003
50	34	2.448	2.448	0.000
55	40	2.424	2.438	-0.015
55	41	2.423	2.440	-0.017
55	42	2.428	2.448	-0.020
55	43	2.425	2.447	-0.021
55	44	2.425	2.442	-0.016
Max		2.459	2.460	0.001
Average		2.440	2.448	-0.009
Min		2.423	2.438	-0.021
Std Dev		0.010	0.006	0.007



42.4 __THRESHOLD RISE/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.568	V			
Min Limit	2.43	V			
krad(Si)	0	30	35	50	55
LL	2.430	2.430	2.430	2.430	2.430
Min	2.448	2.442	2.442	2.442	2.438
Average	2.456	2.447	2.449	2.450	2.443
Max	2.460	2.450	2.453	2.456	2.448
UL	2.568	2.568	2.568	2.568	2.568

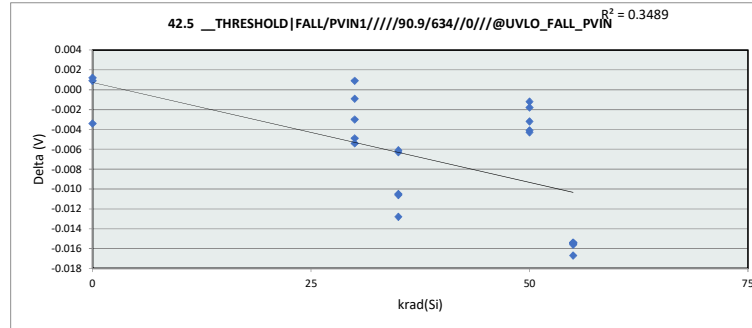


TID HDR Report

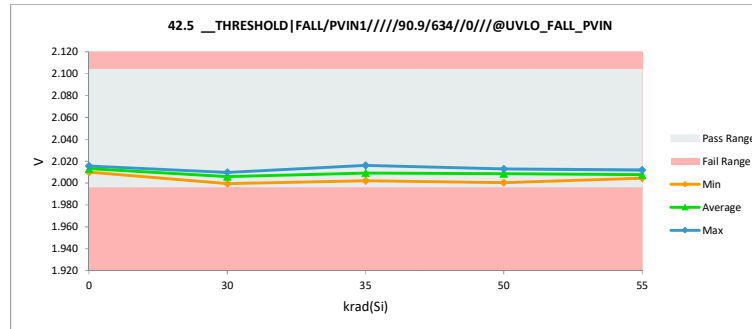
TPS7H4104-SEP

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

42.5 __THRESHOLD FALL/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.11	2.104		
Min Limit	1.97	1.996		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.017	2.016	0.001
0	2	2.007	2.010	-0.003
0	3	2.014	2.014	0.001
30	11	2.000	1.999	0.001
30	12	2.005	2.010	-0.005
30	13	2.005	2.008	-0.003
30	14	2.005	2.006	-0.001
30	15	2.001	2.006	-0.005
35	16	2.000	2.010	-0.011
35	17	1.999	2.005	-0.006
35	18	1.996	2.002	-0.006
35	19	2.006	2.016	-0.011
35	20	2.000	2.012	-0.013
50	30	2.012	2.013	-0.001
50	31	1.996	2.000	-0.004
50	32	2.010	2.013	-0.003
50	33	2.007	2.009	-0.002
50	34	2.003	2.007	-0.004
55	40	1.989	2.004	-0.015
55	41	1.992	2.008	-0.016
55	42	1.996	2.012	-0.015
55	43	1.992	2.009	-0.017
55	44	1.989	2.005	-0.015
Max		2.017	2.016	0.001
Average		2.002	2.008	-0.007
Min		1.989	1.999	-0.017
Std Dev		0.008	0.005	0.006



42.5 __THRESHOLD FALL/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.104	V			
Min Limit	1.996	V			
krad(Si)	0	30	35	50	55
LL	1.996	1.996	1.996	1.996	1.996
Min	2.010	1.999	2.002	2.000	2.005
Average	2.013	2.006	2.009	2.009	2.008
Max	2.016	2.010	2.016	2.013	2.012
UL	2.104	2.104	2.104	2.104	2.104

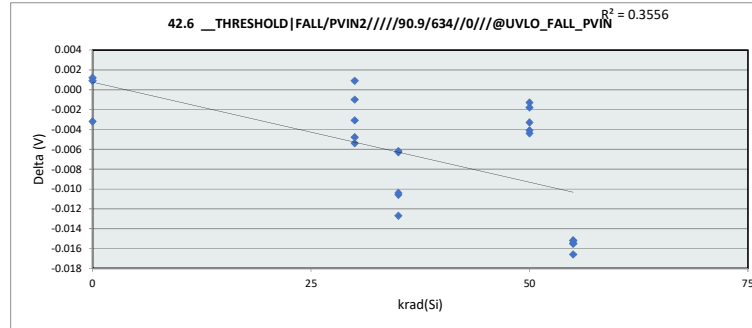


TID HDR Report

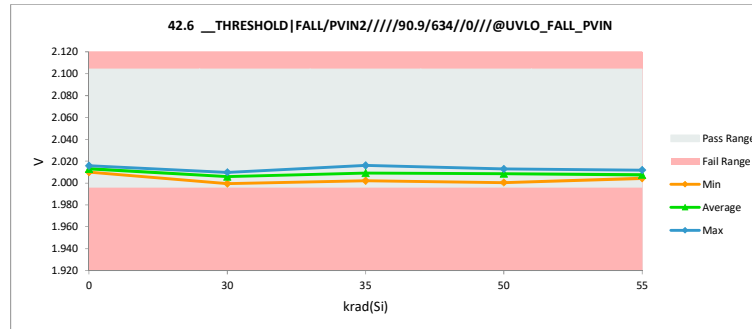
TPS7H4104-SEP

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

42.6 __THRESHOLD FALL/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.11	2.104		
Min Limit	1.97	1.996		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.017	2.016	0.001
0	2	2.007	2.010	-0.003
0	3	2.014	2.014	0.001
30	11	2.000	1.999	0.001
30	12	2.005	2.010	-0.005
30	13	2.005	2.008	-0.003
30	14	2.005	2.006	-0.001
30	15	2.001	2.006	-0.005
35	16	2.000	2.010	-0.010
35	17	1.999	2.005	-0.006
35	18	1.996	2.002	-0.006
35	19	2.006	2.016	-0.011
35	20	1.999	2.012	-0.013
50	30	2.012	2.013	-0.001
50	31	1.996	2.000	-0.004
50	32	2.010	2.013	-0.003
50	33	2.007	2.009	-0.002
50	34	2.003	2.007	-0.004
55	40	1.989	2.004	-0.015
55	41	1.993	2.008	-0.016
55	42	1.996	2.012	-0.015
55	43	1.992	2.009	-0.017
55	44	1.989	2.005	-0.015
Max		2.017	2.016	0.001
Average		2.002	2.008	-0.007
Min		1.989	1.999	-0.017
Std Dev		0.008	0.005	0.006



42.6 __THRESHOLD FALL/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.104	V			
Min Limit	1.996	V			
krad(Si)	0	30	35	50	55
LL	1.996	1.996	1.996	1.996	1.996
Min	2.010	1.999	2.002	2.000	2.004
Average	2.013	2.006	2.009	2.009	2.008
Max	2.016	2.010	2.016	2.013	2.012
UL	2.104	2.104	2.104	2.104	2.104

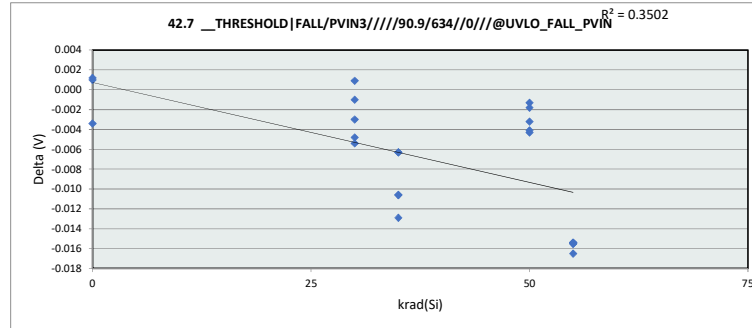


TID HDR Report

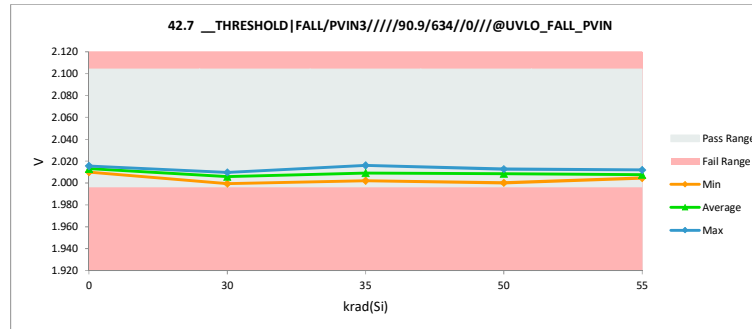
TPS7H4104-SEP

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

42.7 __THRESHOLD FALL/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.11	2.104		
Min Limit	1.97	1.996		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.017	2.016	0.001
0	2	2.007	2.010	-0.003
0	3	2.014	2.013	0.001
30	11	2.000	1.999	0.001
30	12	2.005	2.010	-0.005
30	13	2.005	2.008	-0.003
30	14	2.005	2.006	-0.001
30	15	2.001	2.006	-0.005
35	16	2.000	2.010	-0.011
35	17	1.999	2.005	-0.006
35	18	1.996	2.002	-0.006
35	19	2.006	2.016	-0.011
35	20	1.999	2.012	-0.013
50	30	2.011	2.013	-0.001
50	31	1.996	2.000	-0.004
50	32	2.010	2.013	-0.003
50	33	2.007	2.009	-0.002
50	34	2.003	2.007	-0.004
55	40	1.989	2.004	-0.015
55	41	1.993	2.008	-0.016
55	42	1.996	2.012	-0.015
55	43	1.992	2.009	-0.016
55	44	1.989	2.005	-0.015
Max		2.017	2.016	0.001
Average		2.002	2.008	-0.007
Min		1.989	1.999	-0.016
Std Dev		0.008	0.005	0.006



42.7 __THRESHOLD FALL/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.104	V			
Min Limit	1.996	V			
krad(Si)	0	30	35	50	55
LL	1.996	1.996	1.996	1.996	1.996
Min	2.010	1.999	2.002	2.000	2.005
Average	2.013	2.006	2.009	2.009	2.008
Max	2.016	2.010	2.016	2.013	2.012
UL	2.104	2.104	2.104	2.104	2.104

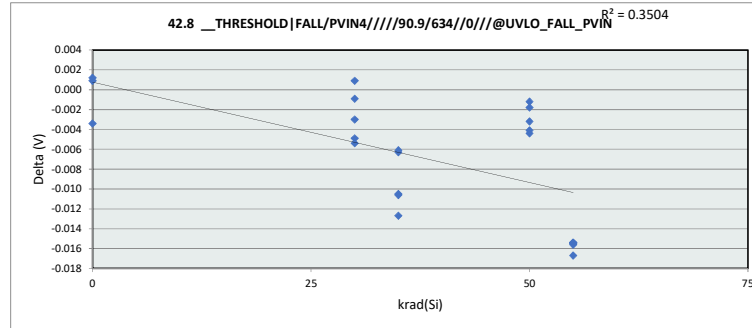


TID HDR Report

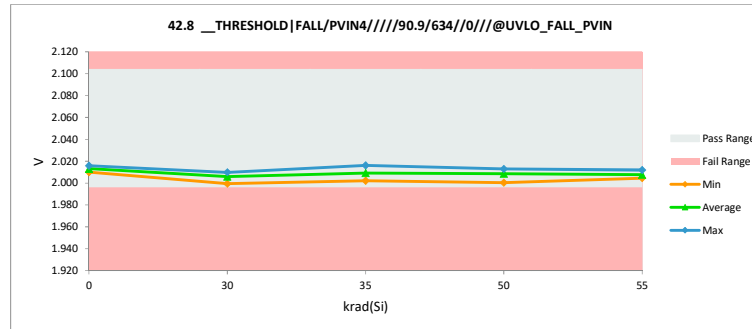
TPS7H4104-SEP

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

42.8 __THRESHOLD FALL/PVIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.11	2.104		
Min Limit	1.97	1.996		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.017	2.016	0.001
0	2	2.007	2.010	-0.003
0	3	2.014	2.014	0.001
30	11	2.000	1.999	0.001
30	12	2.005	2.010	-0.005
30	13	2.005	2.008	-0.003
30	14	2.005	2.006	-0.001
30	15	2.001	2.006	-0.005
35	16	2.000	2.010	-0.011
35	17	1.999	2.005	-0.006
35	18	1.996	2.002	-0.006
35	19	2.006	2.016	-0.011
35	20	2.000	2.012	-0.013
50	30	2.012	2.013	-0.001
50	31	1.996	2.000	-0.004
50	32	2.010	2.013	-0.003
50	33	2.007	2.009	-0.002
50	34	2.003	2.007	-0.004
55	40	1.989	2.004	-0.015
55	41	1.992	2.008	-0.016
55	42	1.996	2.012	-0.015
55	43	1.992	2.009	-0.017
55	44	1.989	2.005	-0.015
Max		2.017	2.016	0.001
Average		2.002	2.008	-0.007
Min		1.989	1.999	-0.017
Std Dev		0.008	0.005	0.006



42.8 __THRESHOLD FALL/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	2.104	V			
Min Limit	1.996	V			
krad(Si)	0	30	35	50	55
LL	1.996	1.996	1.996	1.996	1.996
Min	2.010	1.999	2.002	2.000	2.005
Average	2.013	2.006	2.009	2.009	2.008
Max	2.016	2.010	2.016	2.013	2.012
UL	2.104	2.104	2.104	2.104	2.104

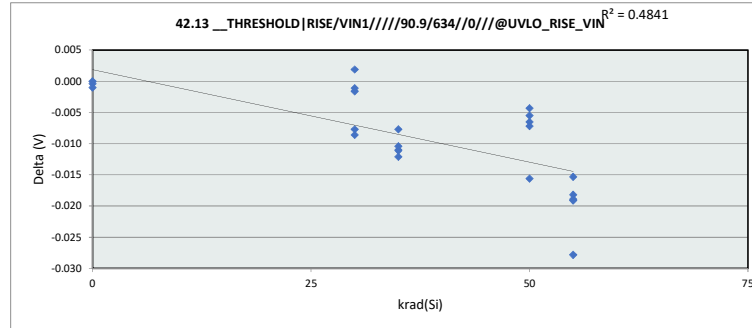


TID HDR Report

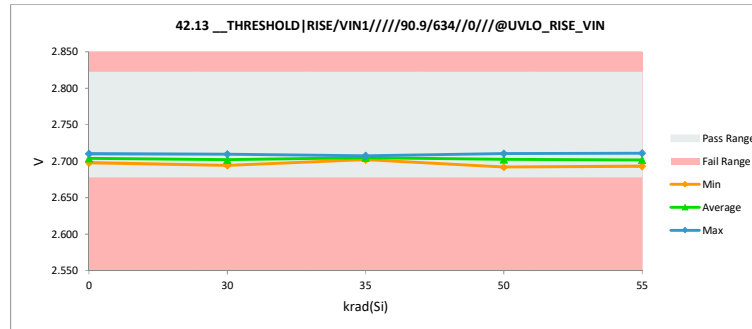
TPS7H4104-SEP

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

42.13 __THRESHOLD RISE/VIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.822		
Min Limit	2.63	2.678		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.698	2.698	0.000
0	2	2.703	2.704	-0.001
0	3	2.710	2.710	0.000
30	11	2.696	2.694	0.002
30	12	2.700	2.708	-0.009
30	13	2.702	2.710	-0.008
30	14	2.697	2.699	-0.002
30	15	2.698	2.699	-0.001
35	16	2.697	2.705	-0.008
35	17	2.693	2.704	-0.011
35	18	2.691	2.702	-0.011
35	19	2.697	2.707	-0.010
35	20	2.694	2.706	-0.012
50	30	2.695	2.701	-0.007
50	31	2.688	2.692	-0.004
50	32	2.692	2.707	-0.016
50	33	2.694	2.701	-0.007
50	34	2.705	2.710	-0.006
55	40	2.678	2.693	-0.015
55	41	2.674	2.702	-0.028
55	42	2.692	2.711	-0.019
55	43	2.682	2.701	-0.019
55	44	2.683	2.701	-0.018
Max		2.710	2.711	0.002
Average		2.694	2.703	-0.009
Min		2.674	2.692	-0.028
Std Dev		0.008	0.006	0.008



42.13 __THRESHOLD RISE/VIN					
Test Site					
Tester					
Test Number					
Max Limit	2.822	V			
Min Limit	2.678	V			
krad(Si)	0	30	35	50	55
LL	2.678	2.678	2.678	2.678	2.678
Min	2.698	2.694	2.702	2.692	2.693
Average	2.704	2.702	2.705	2.702	2.702
Max	2.710	2.710	2.708	2.710	2.711
UL	2.822	2.822	2.822	2.822	2.822

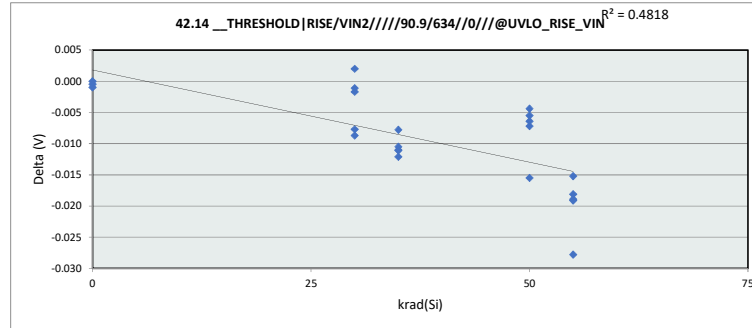


TID HDR Report

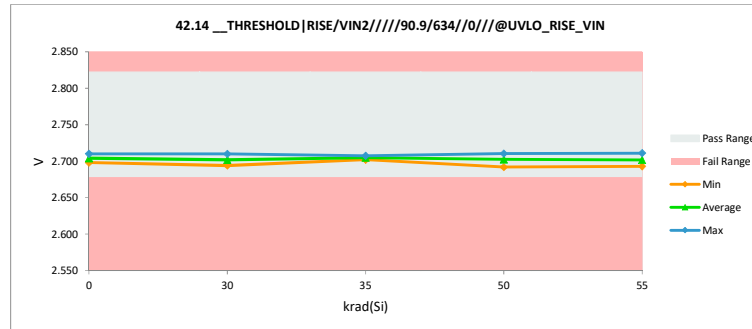
TPS7H4104-SEP

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

42.14 __THRESHOLD RISE/VIN2				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.822		
Min Limit	2.63	2.678		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.698	2.698	0.000
0	2	2.703	2.704	-0.001
0	3	2.710	2.710	0.000
30	11	2.696	2.694	0.002
30	12	2.700	2.708	-0.009
30	13	2.702	2.710	-0.008
30	14	2.697	2.699	-0.002
30	15	2.698	2.699	-0.001
35	16	2.697	2.705	-0.008
35	17	2.693	2.704	-0.011
35	18	2.691	2.702	-0.011
35	19	2.697	2.707	-0.010
35	20	2.694	2.706	-0.012
50	30	2.695	2.701	-0.006
50	31	2.688	2.692	-0.004
50	32	2.692	2.707	-0.016
50	33	2.694	2.701	-0.007
50	34	2.705	2.710	-0.006
55	40	2.678	2.693	-0.015
55	41	2.674	2.702	-0.028
55	42	2.692	2.711	-0.019
55	43	2.682	2.701	-0.019
55	44	2.683	2.701	-0.018
Max		2.710	2.711	0.002
Average		2.694	2.703	-0.009
Min		2.674	2.692	-0.028
Std Dev		0.008	0.006	0.008



42.14 __THRESHOLD RISE/VIN2					
Test Site					
Tester					
Test Number					
Max Limit	2.822	V			
Min Limit	2.678	V			
krad(Si)	0	30	35	50	55
LL	2.678	2.678	2.678	2.678	2.678
Min	2.698	2.694	2.702	2.692	2.693
Average	2.704	2.702	2.705	2.702	2.702
Max	2.710	2.710	2.708	2.710	2.711
UL	2.822	2.822	2.822	2.822	2.822

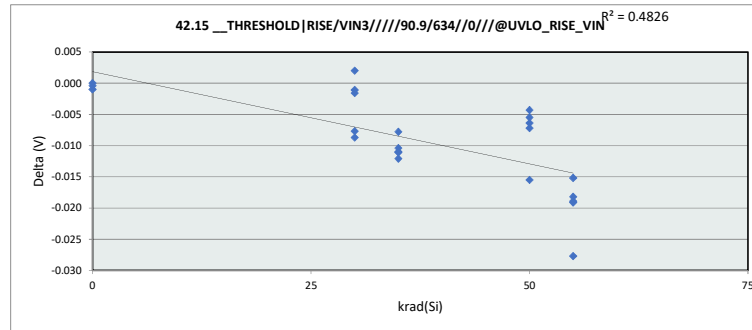


TID HDR Report

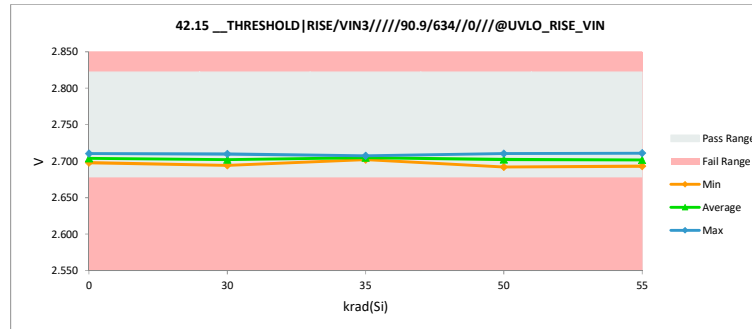
TPS7H4104-SEP

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

42.15 __THRESHOLD RISE/VIN3				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.822		
Min Limit	2.63	2.678		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.698	2.698	0.000
0	2	2.703	2.704	-0.001
0	3	2.710	2.710	0.000
30	11	2.696	2.694	0.002
30	12	2.700	2.708	-0.009
30	13	2.702	2.710	-0.008
30	14	2.697	2.699	-0.002
30	15	2.698	2.699	-0.001
35	16	2.697	2.705	-0.008
35	17	2.693	2.704	-0.011
35	18	2.691	2.702	-0.011
35	19	2.697	2.707	-0.010
35	20	2.694	2.706	-0.012
50	30	2.695	2.701	-0.006
50	31	2.688	2.692	-0.004
50	32	2.692	2.707	-0.016
50	33	2.694	2.701	-0.007
50	34	2.705	2.710	-0.006
55	40	2.678	2.693	-0.015
55	41	2.674	2.702	-0.028
55	42	2.692	2.711	-0.019
55	43	2.682	2.701	-0.019
55	44	2.683	2.701	-0.018
Max		2.710	2.711	0.002
Average		2.694	2.703	-0.009
Min		2.674	2.692	-0.028
Std Dev		0.008	0.006	0.008



42.15 __THRESHOLD RISE/VIN3					
Test Site					
Tester					
Test Number					
Max Limit	2.822	V			
Min Limit	2.678	V			
krad(Si)	0	30	35	50	55
LL	2.678	2.678	2.678	2.678	2.678
Min	2.698	2.694	2.702	2.692	2.693
Average	2.704	2.702	2.705	2.702	2.702
Max	2.710	2.710	2.707	2.710	2.711
UL	2.822	2.822	2.822	2.822	2.822

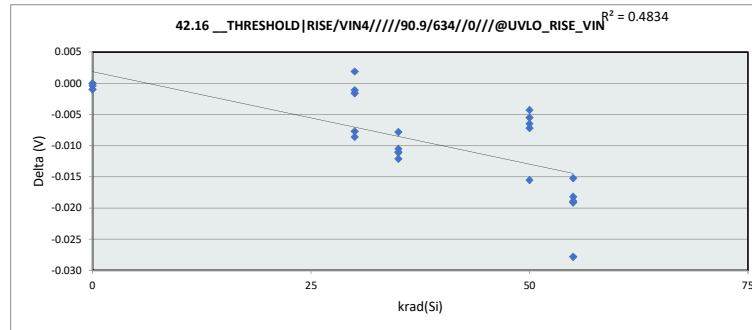


TID HDR Report

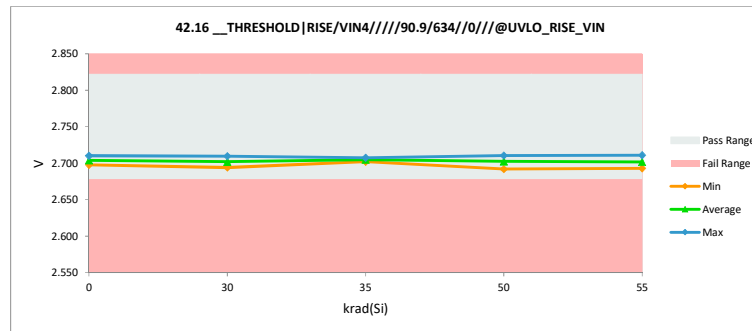
TPS7H4104-SEP

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

42.16 __THRESHOLD RISE/VIN4				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.822		
Min Limit	2.63	2.678		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.698	2.698	0.000
0	2	2.703	2.704	-0.001
0	3	2.710	2.710	0.000
30	11	2.696	2.694	0.002
30	12	2.700	2.708	-0.009
30	13	2.702	2.710	-0.008
30	14	2.697	2.699	-0.002
30	15	2.698	2.699	-0.001
35	16	2.697	2.705	-0.008
35	17	2.693	2.704	-0.011
35	18	2.691	2.702	-0.011
35	19	2.697	2.707	-0.010
35	20	2.694	2.706	-0.012
50	30	2.695	2.701	-0.007
50	31	2.688	2.692	-0.004
50	32	2.692	2.707	-0.016
50	33	2.694	2.701	-0.007
50	34	2.705	2.710	-0.006
55	40	2.678	2.693	-0.015
55	41	2.674	2.702	-0.028
55	42	2.692	2.711	-0.019
55	43	2.682	2.701	-0.019
55	44	2.683	2.701	-0.018
Max		2.710	2.711	0.002
Average		2.694	2.703	-0.009
Min		2.674	2.692	-0.028
Std Dev		0.008	0.006	0.008



42.16 __THRESHOLD RISE/VIN4					
Test Site					
Tester					
Test Number					
Max Limit	2.822	V			
Min Limit	2.678	V			
krad(Si)	0	30	35	50	55
LL	2.678	2.678	2.678	2.678	2.678
Min	2.698	2.694	2.702	2.692	2.693
Average	2.704	2.702	2.705	2.702	2.702
Max	2.710	2.710	2.708	2.710	2.711
UL	2.822	2.822	2.822	2.822	2.822

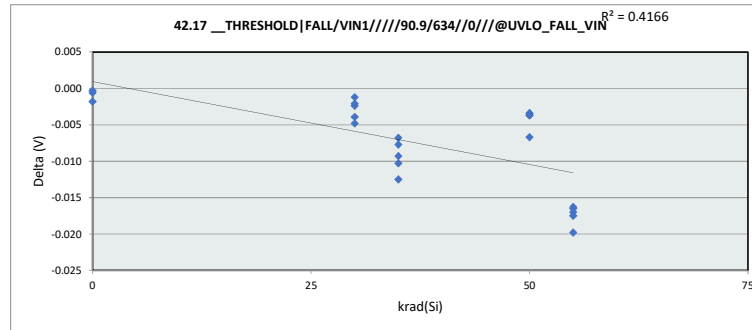


TID HDR Report

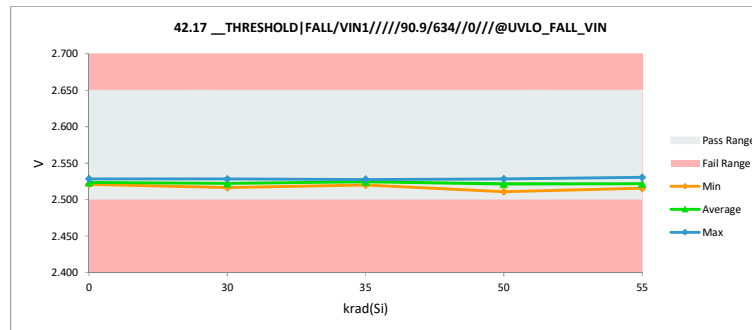
TPS7H4104-SEP

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

42.17 __THRESHOLD FALL/VIN1				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.65		
Min Limit	2.47	2.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.521	2.521	0.000
0	2	2.520	2.521	-0.002
0	3	2.528	2.528	-0.001
30	11	2.514	2.516	-0.002
30	12	2.523	2.525	-0.002
30	13	2.523	2.528	-0.005
30	14	2.517	2.521	-0.004
30	15	2.518	2.520	-0.001
35	16	2.518	2.524	-0.007
35	17	2.512	2.520	-0.008
35	18	2.512	2.525	-0.013
35	19	2.517	2.528	-0.010
35	20	2.516	2.526	-0.009
50	30	2.519	2.523	-0.004
50	31	2.507	2.511	-0.003
50	32	2.518	2.525	-0.007
50	33	2.517	2.521	-0.003
50	34	2.525	2.528	-0.004
55	40	2.500	2.516	-0.016
55	41	2.501	2.521	-0.020
55	42	2.513	2.530	-0.017
55	43	2.507	2.524	-0.016
55	44	2.501	2.519	-0.017
Max		2.528	2.530	0.000
Average		2.515	2.523	-0.007
Min		2.500	2.511	-0.020
Std Dev		0.008	0.005	0.006



42.17 __THRESHOLD FALL/VIN1					
Test Site					
Tester					
Test Number					
Max Limit	2.65	V			
Min Limit	2.5	V			
krad(Si)	0	30	35	50	55
LL	2.500	2.500	2.500	2.500	2.500
Min	2.521	2.517	2.520	2.511	2.516
Average	2.524	2.522	2.525	2.522	2.522
Max	2.528	2.528	2.528	2.528	2.531
UL	2.650	2.650	2.650	2.650	2.650

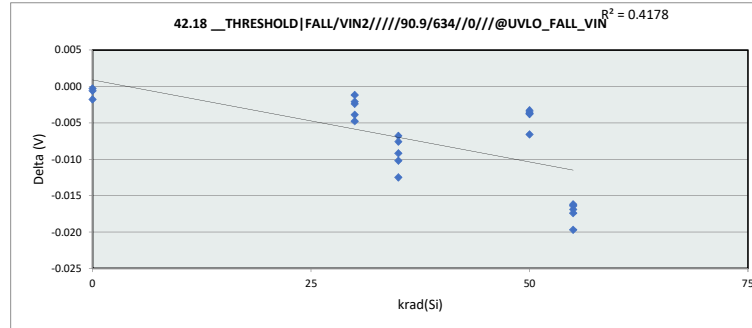


TID HDR Report

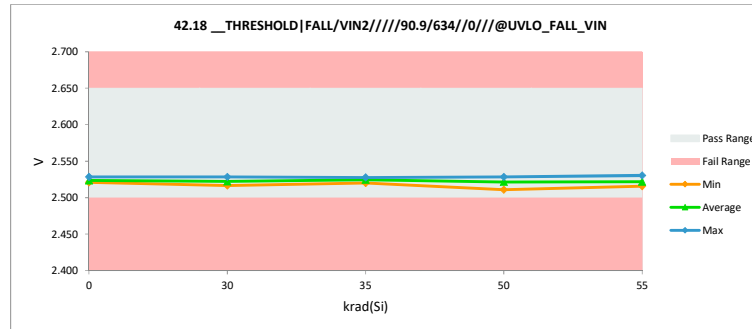
TPS7H4104-SEP

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

42.18 __THRESHOLD FALL/VIN2				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.65		
Min Limit	2.47	2.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.521	2.521	0.000
0	2	2.520	2.521	-0.002
0	3	2.528	2.528	-0.001
30	11	2.514	2.516	-0.002
30	12	2.523	2.525	-0.002
30	13	2.523	2.528	-0.005
30	14	2.517	2.521	-0.004
30	15	2.518	2.520	-0.001
35	16	2.518	2.524	-0.007
35	17	2.512	2.520	-0.008
35	18	2.512	2.525	-0.013
35	19	2.517	2.528	-0.010
35	20	2.516	2.526	-0.009
50	30	2.519	2.523	-0.004
50	31	2.507	2.511	-0.003
50	32	2.518	2.525	-0.007
50	33	2.517	2.521	-0.003
50	34	2.525	2.528	-0.004
55	40	2.500	2.516	-0.016
55	41	2.501	2.521	-0.020
55	42	2.513	2.530	-0.017
55	43	2.507	2.524	-0.016
55	44	2.501	2.519	-0.017
Max		2.528	2.530	0.000
Average		2.515	2.523	-0.007
Min		2.500	2.511	-0.020
Std Dev		0.008	0.005	0.006



42.18 __THRESHOLD FALL/VIN2					
Test Site					
Tester					
Test Number					
Max Limit	2.65	V			
Min Limit	2.5	V			
krad(Si)	0	30	35	50	55
LL	2.500	2.500	2.500	2.500	2.500
Min	2.521	2.517	2.520	2.511	2.516
Average	2.524	2.522	2.525	2.522	2.522
Max	2.528	2.528	2.528	2.528	2.530
UL	2.650	2.650	2.650	2.650	2.650

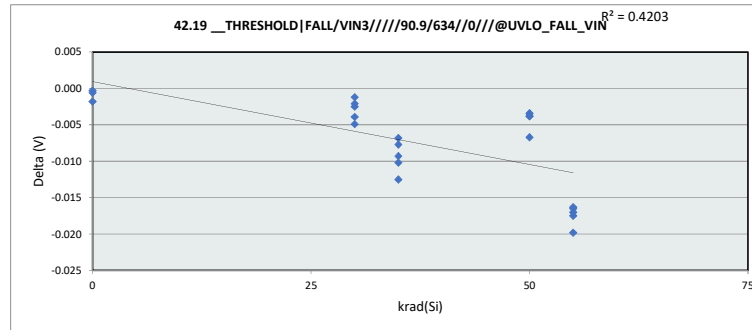


TID HDR Report

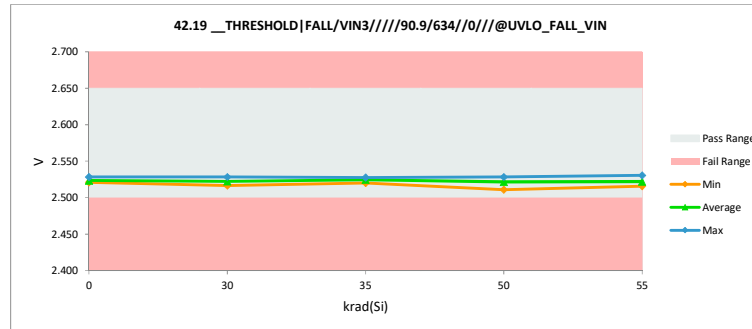
TPS7H4104-SEP

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

42.19 __THRESHOLD FALL/VIN3				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.65		
Min Limit	2.47	2.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.521	2.521	0.000
0	2	2.520	2.521	-0.002
0	3	2.528	2.528	-0.001
30	11	2.514	2.516	-0.002
30	12	2.523	2.525	-0.002
30	13	2.523	2.528	-0.005
30	14	2.517	2.521	-0.004
30	15	2.518	2.520	-0.001
35	16	2.518	2.524	-0.007
35	17	2.512	2.520	-0.008
35	18	2.512	2.525	-0.013
35	19	2.517	2.528	-0.010
35	20	2.516	2.526	-0.009
50	30	2.519	2.523	-0.004
50	31	2.507	2.511	-0.003
50	32	2.518	2.525	-0.007
50	33	2.517	2.521	-0.003
50	34	2.525	2.528	-0.004
55	40	2.500	2.516	-0.016
55	41	2.501	2.521	-0.020
55	42	2.513	2.530	-0.017
55	43	2.507	2.524	-0.016
55	44	2.501	2.519	-0.017
Max		2.528	2.530	0.000
Average		2.515	2.523	-0.007
Min		2.500	2.511	-0.020
Std Dev		0.008	0.005	0.006



42.19 __THRESHOLD FALL/VIN3					
Test Site					
Tester					
Test Number					
Max Limit	2.65	V			
Min Limit	2.5	V			
krad(Si)	0	30	35	50	55
LL	2.500	2.500	2.500	2.500	2.500
Min	2.521	2.517	2.520	2.511	2.516
Average	2.524	2.522	2.525	2.522	2.522
Max	2.528	2.528	2.528	2.528	2.531
UL	2.650	2.650	2.650	2.650	2.650

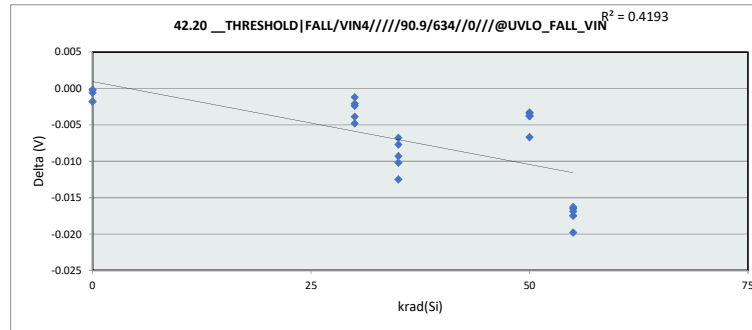


TID HDR Report

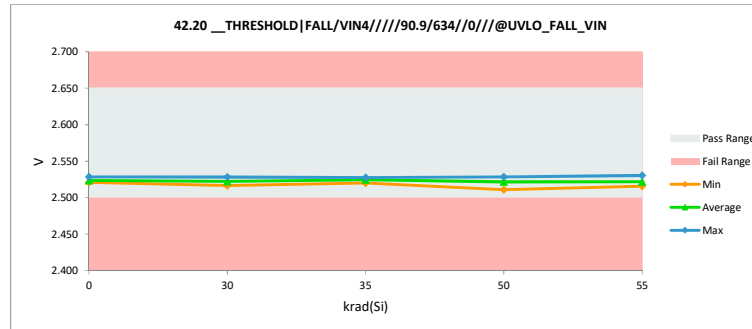
TPS7H4104-SEP

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

42.20 __THRESHOLD FALL/VIN4				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.65		
Min Limit	2.47	2.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.521	2.521	0.000
0	2	2.520	2.521	-0.002
0	3	2.528	2.528	-0.001
30	11	2.514	2.516	-0.002
30	12	2.523	2.525	-0.002
30	13	2.523	2.528	-0.005
30	14	2.517	2.521	-0.004
30	15	2.518	2.520	-0.001
35	16	2.518	2.524	-0.007
35	17	2.512	2.520	-0.008
35	18	2.512	2.525	-0.013
35	19	2.517	2.528	-0.010
35	20	2.516	2.526	-0.009
50	30	2.519	2.523	-0.004
50	31	2.507	2.511	-0.003
50	32	2.518	2.525	-0.007
50	33	2.517	2.521	-0.003
50	34	2.525	2.528	-0.004
55	40	2.500	2.516	-0.016
55	41	2.501	2.521	-0.020
55	42	2.513	2.530	-0.017
55	43	2.507	2.524	-0.016
55	44	2.501	2.519	-0.017
Max		2.528	2.530	0.000
Average		2.515	2.523	-0.007
Min		2.500	2.511	-0.020
Std Dev		0.008	0.005	0.006



42.20 __THRESHOLD FALL/VIN4					
Test Site					
Tester					
Test Number					
Max Limit	2.65	V			
Min Limit	2.5	V			
krad(Si)	0	30	35	50	55
LL	2.500	2.500	2.500	2.500	2.500
Min	2.521	2.517	2.520	2.511	2.516
Average	2.524	2.522	2.525	2.522	2.522
Max	2.528	2.528	2.528	2.528	2.530
UL	2.650	2.650	2.650	2.650	2.650

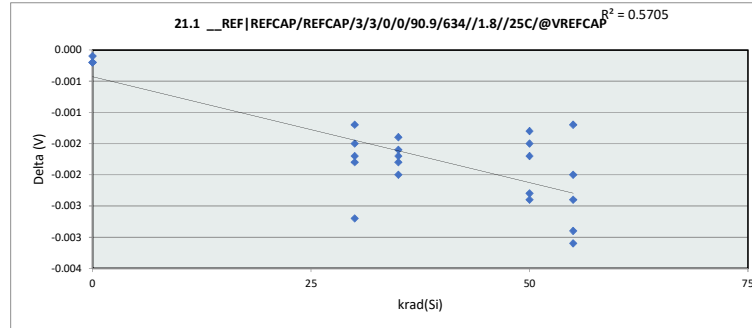


TID HDR Report

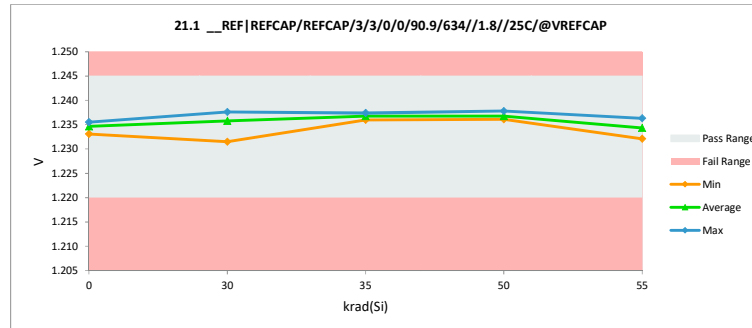
TPS7H4104-SEP

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

21.1 __REF REFCAP/REFCAP/3/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.248	1.245		
Min Limit	1.2	1.22		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.235	1.235	0.000
0	2	1.233	1.233	0.000
0	3	1.235	1.235	0.000
30	11	1.230	1.232	-0.002
30	12	1.236	1.238	-0.002
30	13	1.235	1.237	-0.002
30	14	1.234	1.237	-0.003
30	15	1.235	1.236	-0.001
35	16	1.235	1.237	-0.001
35	17	1.234	1.236	-0.002
35	18	1.235	1.237	-0.002
35	19	1.235	1.237	-0.002
35	20	1.235	1.237	-0.002
50	30	1.235	1.236	-0.001
50	31	1.235	1.237	-0.002
50	32	1.235	1.238	-0.002
50	33	1.235	1.237	-0.002
50	34	1.235	1.236	-0.002
55	40	1.231	1.234	-0.003
55	41	1.233	1.236	-0.003
55	42	1.230	1.232	-0.002
55	43	1.232	1.234	-0.002
55	44	1.235	1.236	-0.001
Max		1.236	1.238	0.000
Average		1.234	1.236	-0.002
Min		1.230	1.232	-0.003
Std Dev		0.002	0.002	0.001



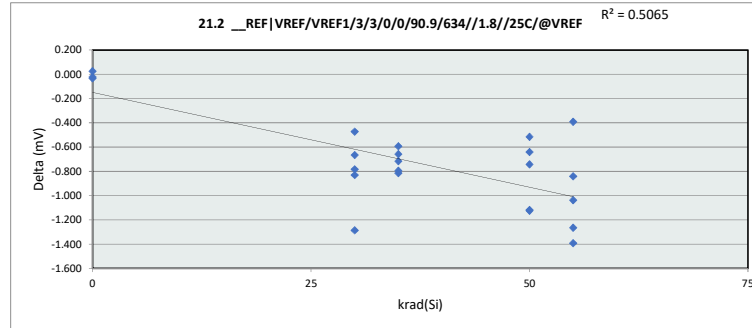
21.1 __REF REFCAP/REFCAP/3/					
Test Site					
Tester					
Test Number					
Max Limit	1.245	V			
Min Limit	1.22	V			
krad(Si)	0	30	35	50	55
LL	1.220	1.220	1.220	1.220	1.220
Min	1.233	1.232	1.236	1.236	1.232
Average	1.235	1.236	1.237	1.237	1.234
Max	1.236	1.238	1.237	1.238	1.236
UL	1.245	1.245	1.245	1.245	1.245



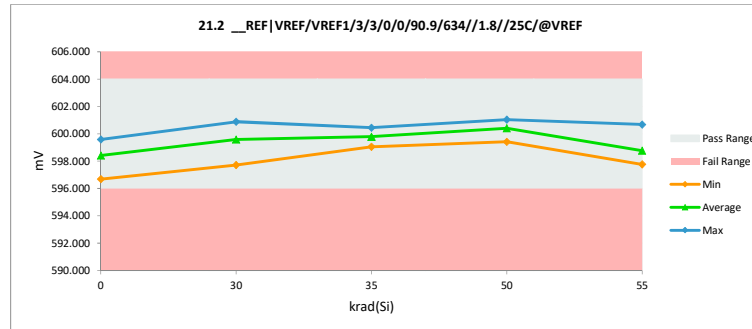
TID HDR Report TPS7H4104-SEP

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

21.2 __REF VREF/VREF1/3/3/0/0/0/90.9/634//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	599.561	599.583	-0.022
0	2	596.657	596.689	-0.032
0	3	599.005	598.979	0.026
30	11	596.888	597.719	-0.831
30	12	600.125	600.790	-0.665
30	13	600.097	600.880	-0.783
30	14	596.649	597.935	-1.286
30	15	600.099	600.571	-0.472
35	16	599.239	599.833	-0.593
35	17	599.326	599.983	-0.657
35	18	598.264	599.059	-0.795
35	19	599.635	600.450	-0.814
35	20	598.936	599.652	-0.716
50	30	600.362	600.878	-0.516
50	31	599.328	600.446	-1.118
50	32	599.909	601.035	-1.125
50	33	599.544	600.286	-0.742
50	34	598.781	599.421	-0.640
55	40	597.159	598.551	-1.392
55	41	597.650	598.915	-1.265
55	42	596.734	597.772	-1.038
55	43	597.109	597.950	-0.841
55	44	600.282	600.674	-0.391
Max		600.362	601.035	0.026
Average		598.754	599.480	-0.727
Min		596.649	596.689	-1.392
Std Dev		1.312	1.239	0.387



21.2 __REF VREF/VREF1/3/3/0/0/0/90.9/634//1.8//25C/@VREF					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	596.689	597.719	599.059	599.421	597.772
Average	598.417	599.579	599.795	600.413	598.772
Max	599.583	600.880	600.450	601.035	600.674
UL	604.000	604.000	604.000	604.000	604.000

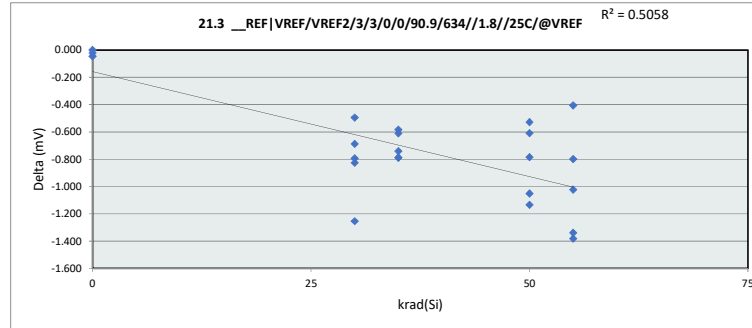


TID HDR Report

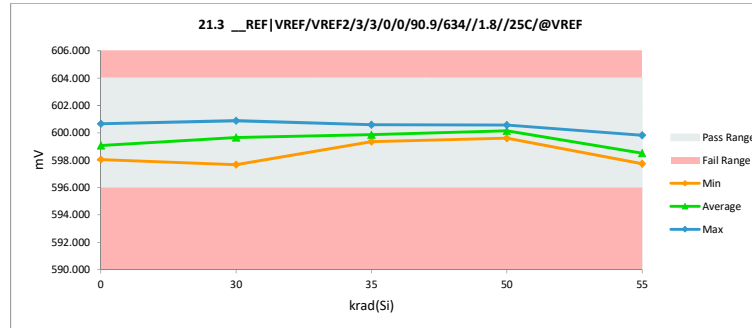
TPS7H4104-SEP

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

21.3 __REF VREF/VREF2/3/3/0				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	598.031	598.053	-0.021
0	2	598.484	598.530	-0.046
0	3	600.665	600.665	0.000
30	11	596.847	597.673	-0.826
30	12	600.196	600.885	-0.688
30	13	598.760	599.554	-0.794
30	14	598.637	599.891	-1.255
30	15	599.807	600.302	-0.495
35	16	598.781	599.365	-0.583
35	17	599.141	599.752	-0.611
35	18	599.796	600.584	-0.788
35	19	598.844	599.633	-0.789
35	20	599.267	600.007	-0.741
50	30	599.676	600.205	-0.529
50	31	599.124	600.175	-1.052
50	32	599.433	600.568	-1.135
50	33	599.399	600.185	-0.785
50	34	598.999	599.609	-0.609
55	40	596.558	597.940	-1.382
55	41	598.481	599.821	-1.340
55	42	596.714	597.737	-1.023
55	43	597.219	598.018	-0.799
55	44	598.610	599.016	-0.406
Max		600.665	600.885	0.000
Average		598.760	599.486	-0.726
Min		596.558	597.673	-1.382
Std Dev		1.086	1.014	0.382



21.3 __REF VREF/VREF2/3/3/0					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	598.053	597.673	599.365	599.609	597.737
Average	599.082	599.661	599.868	600.149	598.506
Max	600.665	600.885	600.585	600.568	599.821
UL	604.000	604.000	604.000	604.000	604.000

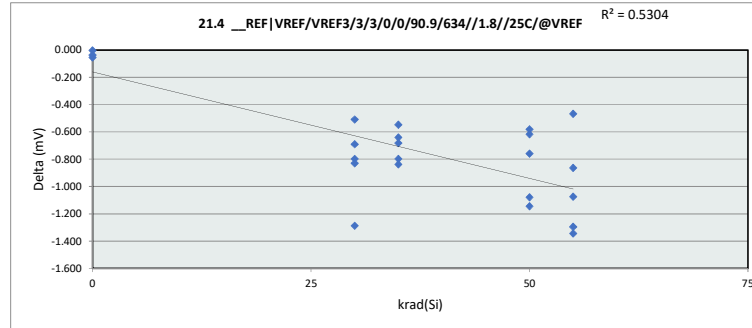


TID HDR Report

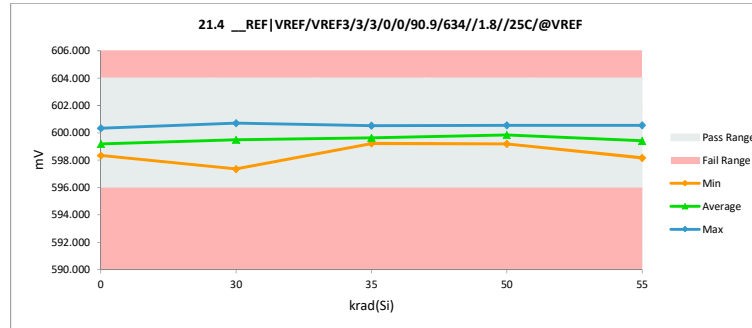
TPS7H4104-SEP

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

21.4 __REF VREF/VREF3/3/3/0/0/0/90.9/634//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		604.34	604	
Min Limit		592.44	596	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	598.839	598.876	-0.036
0	2	598.287	598.342	-0.055
0	3	600.332	600.335	-0.003
30	11	596.524	597.354	-0.830
30	12	598.791	599.480	-0.690
30	13	599.397	600.194	-0.797
30	14	599.417	600.703	-1.287
30	15	599.267	599.775	-0.509
35	16	598.816	599.363	-0.547
35	17	598.583	599.223	-0.640
35	18	598.789	599.586	-0.797
35	19	598.631	599.469	-0.837
35	20	599.851	600.533	-0.682
50	30	599.633	600.214	-0.580
50	31	598.112	599.191	-1.078
50	32	599.415	600.559	-1.144
50	33	599.243	600.001	-0.758
50	34	598.664	599.281	-0.617
55	40	596.826	598.169	-1.343
55	41	599.161	600.456	-1.295
55	42	597.406	598.480	-1.074
55	43	598.592	599.454	-0.862
55	44	600.092	600.558	-0.466
Max		600.332	600.703	-0.003
Average		598.812	599.548	-0.736
Min		596.524	597.354	-1.343
Std Dev		0.938	0.880	0.377



21.4 __REF VREF/VREF3/3/3/0/0/0/90.9/634//1.8//25C/@VREF					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	598.342	597.354	599.223	599.191	598.169
Average	599.184	599.501	599.635	599.849	599.423
Max	600.335	600.703	600.533	600.559	600.558
UL	604.000	604.000	604.000	604.000	604.000

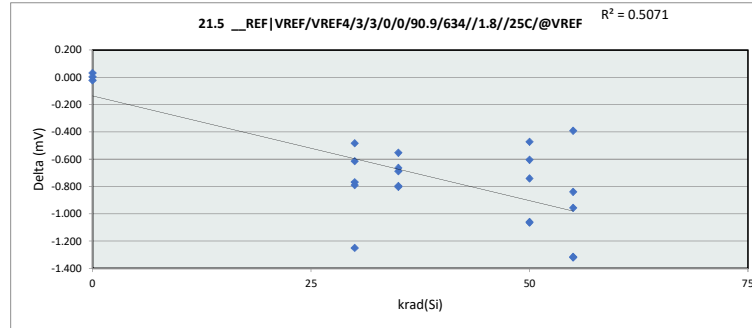


TID HDR Report

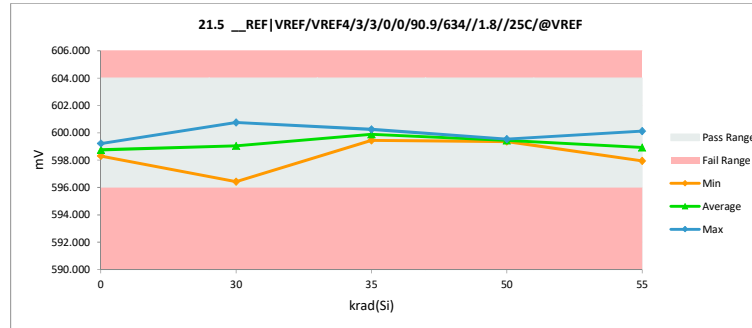
TPS7H4104-SEP

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

21.5 __REF VREF/VREF4/3/3/0				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	598.739	598.736	0.003
0	2	598.292	598.314	-0.023
0	3	599.253	599.221	0.032
30	11	595.641	596.430	-0.789
30	12	600.135	600.749	-0.614
30	13	599.776	600.543	-0.767
30	14	597.257	598.507	-1.250
30	15	598.475	598.958	-0.483
35	16	598.902	599.454	-0.553
35	17	599.304	599.968	-0.663
35	18	599.459	600.255	-0.796
35	19	598.954	599.755	-0.802
35	20	599.346	600.034	-0.687
50	30	598.914	599.386	-0.472
50	31	598.307	599.366	-1.059
50	32	598.430	599.494	-1.064
50	33	598.661	599.401	-0.740
50	34	598.943	599.547	-0.604
55	40	596.770	598.086	-1.316
55	41	598.784	600.104	-1.320
55	42	596.987	597.944	-0.956
55	43	597.558	598.396	-0.838
55	44	599.735	600.127	-0.391
Max		600.135	600.749	0.032
Average		598.549	599.251	-0.702
Min		595.641	596.430	-1.320
Std Dev		1.077	0.990	0.380



21.5 __REF VREF/VREF4/3/3/0					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	598.314	596.430	599.454	599.366	597.944
Average	598.757	599.038	599.893	599.439	598.931
Max	599.221	600.749	600.255	599.547	600.127
UL	604.000	604.000	604.000	604.000	604.000

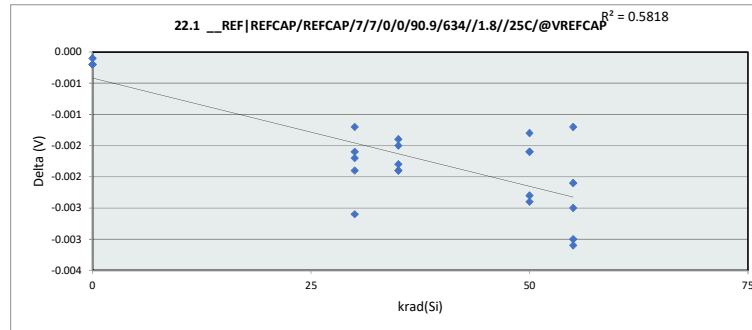


TID HDR Report

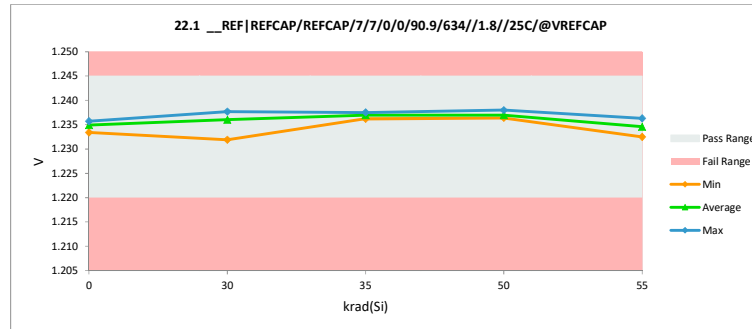
TPS7H4104-SEP

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

22.1 __REF REFCAP/REFCAP/7/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.248	1.245		
Min Limit	1.2	1.22		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.235	1.236	0.000
0	2	1.233	1.233	0.000
0	3	1.235	1.236	0.000
30	11	1.230	1.232	-0.002
30	12	1.236	1.238	-0.002
30	13	1.235	1.237	-0.002
30	14	1.234	1.237	-0.003
30	15	1.235	1.237	-0.001
35	16	1.235	1.237	-0.001
35	17	1.235	1.236	-0.002
35	18	1.235	1.237	-0.002
35	19	1.236	1.237	-0.002
35	20	1.235	1.237	-0.002
50	30	1.235	1.237	-0.001
50	31	1.235	1.237	-0.002
50	32	1.236	1.238	-0.002
50	33	1.235	1.237	-0.002
50	34	1.235	1.236	-0.002
55	40	1.231	1.234	-0.003
55	41	1.233	1.236	-0.003
55	42	1.230	1.232	-0.002
55	43	1.232	1.234	-0.002
55	44	1.235	1.236	-0.001
Max		1.236	1.238	0.000
Average		1.234	1.236	-0.002
Min		1.230	1.232	-0.003
Std Dev		0.002	0.002	0.001



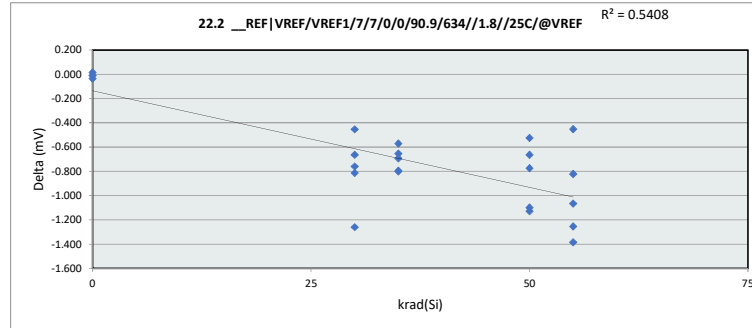
22.1 __REF REFCAP/REFCAP/7/					
Test Site					
Tester					
Test Number					
Max Limit	1.245	V			
Min Limit	1.22	V			
krad(Si)	0	30	35	50	55
LL	1.220	1.220	1.220	1.220	1.220
Min	1.233	1.232	1.236	1.236	1.233
Average	1.235	1.236	1.237	1.237	1.235
Max	1.236	1.238	1.238	1.238	1.236
UL	1.245	1.245	1.245	1.245	1.245



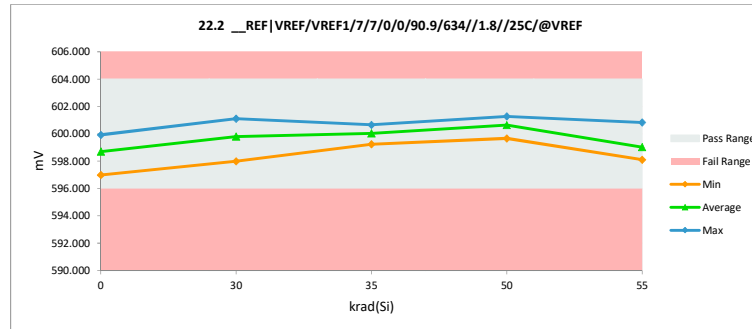
TID HDR Report TPS7H4104-SEP

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

22.2 __REF VREF/VREF1/7/7/0/0/0/90.9/634//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	599.891	599.926	-0.035
0	2	596.981	596.991	-0.010
0	3	599.221	599.206	0.015
30	11	597.182	597.995	-0.813
30	12	600.320	600.983	-0.663
30	13	600.340	601.099	-0.760
30	14	596.912	598.172	-1.260
30	15	600.358	600.810	-0.452
35	16	599.564	600.135	-0.570
35	17	599.597	600.250	-0.653
35	18	598.452	599.246	-0.794
35	19	599.854	600.653	-0.799
35	20	599.201	599.894	-0.693
50	30	600.652	601.177	-0.524
50	31	599.522	600.620	-1.098
50	32	600.146	601.274	-1.127
50	33	599.699	600.472	-0.773
50	34	599.007	599.669	-0.663
55	40	597.438	598.822	-1.384
55	41	597.883	599.137	-1.254
55	42	597.040	598.106	-1.066
55	43	597.420	598.241	-0.821
55	44	600.383	600.834	-0.451
Max		600.652	601.274	0.015
Average		599.003	599.727	-0.724
Min		596.912	596.991	-1.384
Std Dev		1.287	1.215	0.382



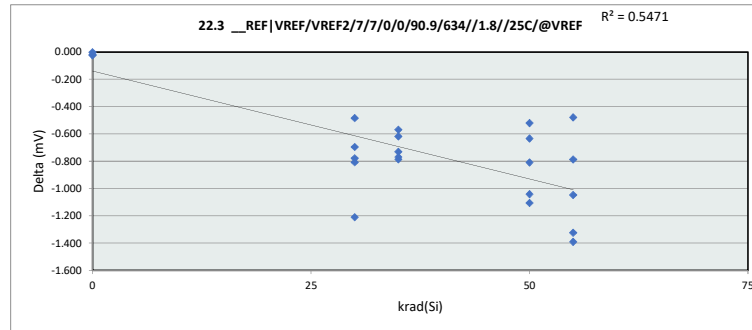
22.2 __REF VREF/VREF1/7/7/0/0/0/90.9/634//1.8//25C/@VREF					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	596.991	597.995	599.246	599.669	598.106
Average	598.708	599.812	600.036	600.642	599.028
Max	599.926	601.100	600.653	601.274	600.834
UL	604.000	604.000	604.000	604.000	604.000



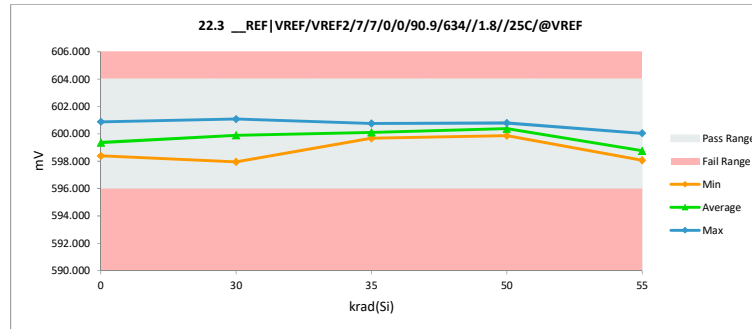
TID HDR Report TPS7H4104-SEP

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

22.3 __REF VREF/VREF2/7/7/0/0/0/90.9/634//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	598.363	598.383	-0.020
0	2	598.803	598.828	-0.024
0	3	600.883	600.885	-0.002
30	11	597.141	597.948	-0.808
30	12	600.382	601.078	-0.696
30	13	599.008	599.785	-0.778
30	14	598.913	600.123	-1.211
30	15	600.067	600.551	-0.484
35	16	599.107	599.677	-0.570
35	17	599.414	600.032	-0.618
35	18	599.990	600.759	-0.770
35	19	599.056	599.842	-0.786
35	20	599.526	600.258	-0.731
50	30	599.971	600.491	-0.521
50	31	599.308	600.349	-1.041
50	32	599.689	600.795	-1.106
50	33	599.559	600.369	-0.810
50	34	599.228	599.862	-0.634
55	40	596.830	598.221	-1.391
55	41	598.717	600.041	-1.324
55	42	597.011	598.058	-1.047
55	43	597.522	598.309	-0.787
55	44	598.711	599.190	-0.479
Max		600.883	601.078	-0.002
Average		599.009	599.732	-0.723
Min		596.830	597.948	-1.391
Std Dev		1.062	0.982	0.377



22.3 __REF VREF/VREF2/7/7/0/0/0/90.9/634//1.8//25C/@VREF					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	598.383	597.948	599.677	599.862	598.058
Average	599.365	599.897	600.114	600.373	598.764
Max	600.885	601.078	600.759	600.795	600.041
UL	604.000	604.000	604.000	604.000	604.000

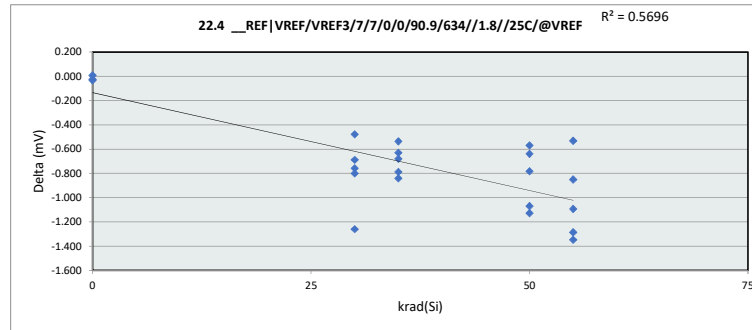


TID HDR Report

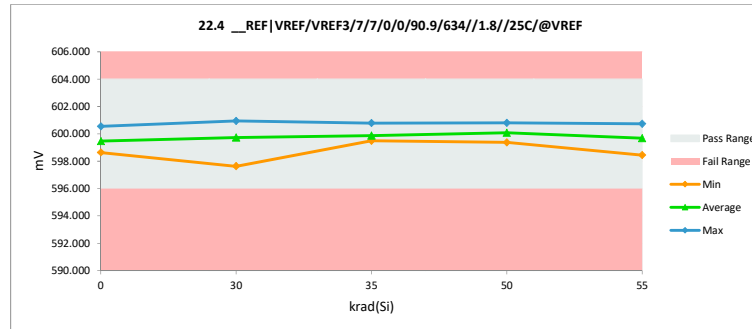
TPS7H4104-SEP

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

22.4 __REF VREF/VREF3/7/7/0/0/0/90.9/634//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	599.179	599.212	-0.033
0	2	598.605	598.631	-0.027
0	3	600.550	600.542	0.008
30	11	596.828	597.628	-0.801
30	12	598.980	599.670	-0.690
30	13	599.655	600.414	-0.758
30	14	599.683	600.943	-1.260
30	15	599.536	600.014	-0.478
35	16	599.136	599.673	-0.537
35	17	598.855	599.486	-0.631
35	18	598.974	599.763	-0.789
35	19	598.841	599.682	-0.841
35	20	600.108	600.788	-0.680
50	30	599.920	600.490	-0.570
50	31	598.298	599.369	-1.071
50	32	599.668	600.797	-1.129
50	33	599.402	600.185	-0.783
50	34	598.892	599.531	-0.640
55	40	597.098	598.446	-1.348
55	41	599.395	600.681	-1.286
55	42	597.714	598.809	-1.094
55	43	598.887	599.738	-0.851
55	44	600.202	600.734	-0.532
Max		600.550	600.943	0.008
Average		599.061	599.793	-0.731
Min		596.828	597.628	-1.348
Std Dev		0.918	0.857	0.377



22.4 __REF VREF/VREF3/7/7/0/0/0/90.9/634//1.8//25C/@VREF					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	598.632	597.628	599.486	599.369	598.446
Average	599.462	599.734	599.879	600.075	599.682
Max	600.543	600.943	600.788	600.798	600.734
UL	604.000	604.000	604.000	604.000	604.000

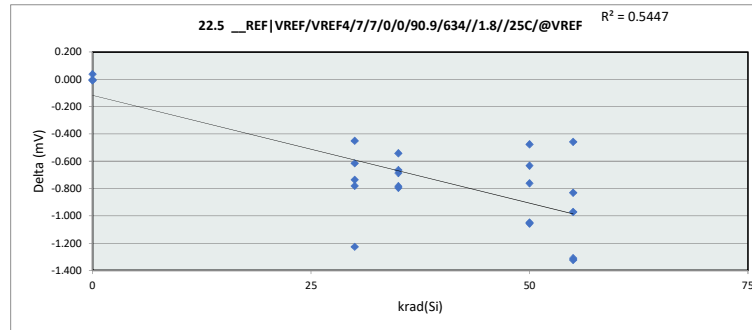


TID HDR Report

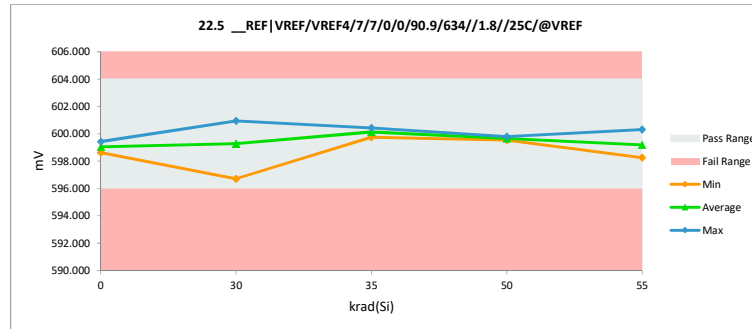
TPS7H4104-SEP

krad(Si)	Description
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//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	604.34	604		
Min Limit	592.44	596		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	599.070	599.073	-0.003
0	2	598.610	598.618	-0.008
0	3	599.473	599.435	0.038
30	11	595.939	596.719	-0.780
30	12	600.328	600.944	-0.616
30	13	600.037	600.772	-0.735
30	14	597.529	598.756	-1.227
30	15	598.739	599.189	-0.450
35	16	599.212	599.754	-0.542
35	17	599.575	600.239	-0.664
35	18	599.655	600.438	-0.783
35	19	599.178	599.972	-0.794
35	20	599.602	600.288	-0.687
50	30	599.206	599.682	-0.476
50	31	598.492	599.548	-1.056
50	32	598.684	599.733	-1.049
50	33	598.818	599.580	-0.761
50	34	599.170	599.802	-0.632
55	40	597.049	598.372	-1.323
55	41	599.014	600.325	-1.311
55	42	597.294	598.265	-0.972
55	43	597.859	598.689	-0.830
55	44	599.849	600.307	-0.458
Max		600.328	600.944	0.038
Average		598.799	599.500	-0.701
Min		595.939	596.719	-1.323
Std Dev		1.051	0.962	0.377



22.5 __REF VREF/VREF4/7/7/0/0/90.9/634//1.8//25C/@VREF					
Test Site					
Tester					
Test Number					
Max Limit	604	mV			
Min Limit	596	mV			
krad(Si)	0	30	35	50	55
LL	596.000	596.000	596.000	596.000	596.000
Min	598.618	596.719	599.754	599.548	598.265
Average	599.042	599.276	600.138	599.669	599.192
Max	599.435	600.944	600.438	599.802	600.325
UL	604.000	604.000	604.000	604.000	604.000

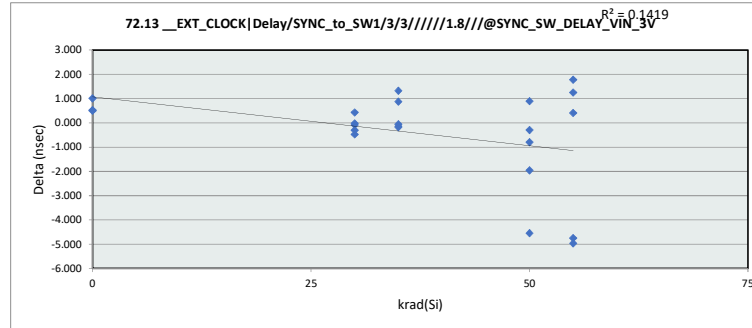


TID HDR Report

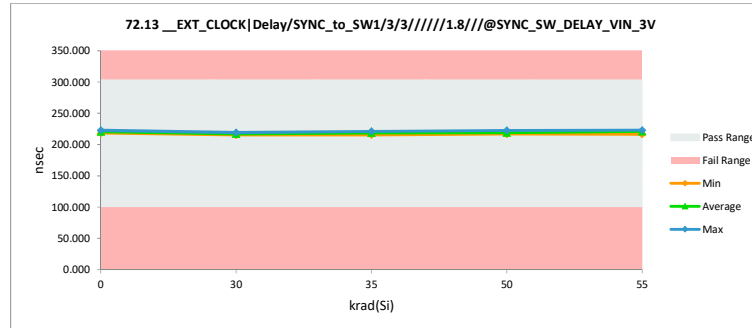
TPS7H4104-SEP

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

72.13 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	303		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	219.277	218.270	1.006
0	2	223.243	222.719	0.524
0	3	221.362	220.863	0.499
30	11	214.697	215.180	-0.482
30	12	218.887	219.191	-0.304
30	13	216.078	215.654	0.424
30	14	216.517	216.541	-0.024
30	15	217.723	217.812	-0.089
35	16	216.502	215.634	0.868
35	17	219.955	218.637	1.318
35	18	221.058	221.116	-0.058
35	19	216.190	216.336	-0.146
35	20	220.940	221.120	-0.180
50	30	218.947	218.053	0.895
50	31	217.904	222.452	-4.548
50	32	220.236	221.036	-0.801
50	33	215.824	217.780	-1.956
50	34	216.632	216.933	-0.301
55	40	218.500	216.726	1.774
55	41	217.503	222.255	-4.752
55	42	217.985	222.951	-4.966
55	43	221.087	220.681	0.406
55	44	223.432	222.187	1.245
Max		223.432	222.951	1.774
Average		218.716	219.136	-0.419
Min		214.697	215.180	-4.966
Std Dev		2.390	2.570	1.891



72.13 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	303	nsec			
Min Limit	100	nsec			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	218.270	215.180	215.634	216.933	216.726
Average	220.618	216.875	218.568	219.251	220.960
Max	222.719	219.191	221.120	222.452	222.951
UL	303.000	303.000	303.000	303.000	303.000

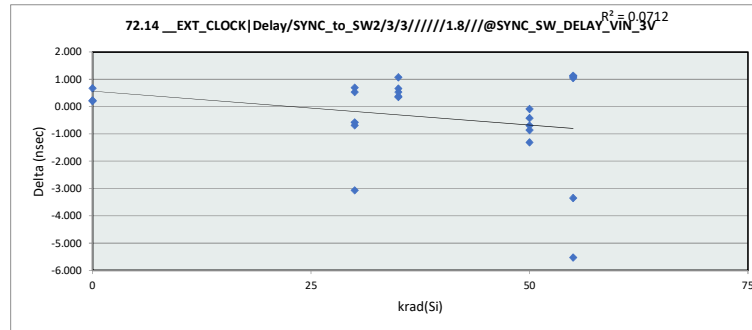


TID HDR Report

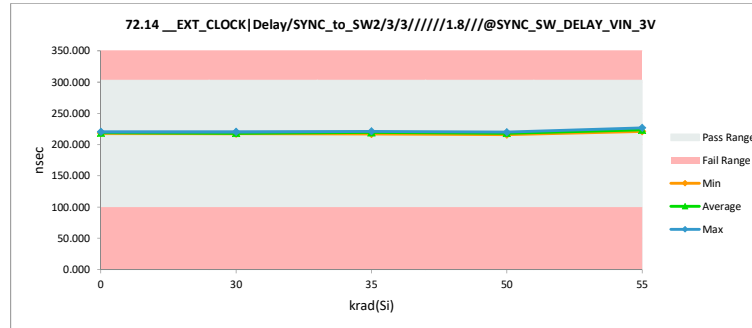
TPS7H4104-SEP

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

72.14 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	303		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	218.833	218.160	0.673
0	2	220.512	220.293	0.219
0	3	218.443	218.245	0.198
30	11	217.721	218.299	-0.579
30	12	214.626	217.696	-3.069
30	13	220.573	220.043	0.530
30	14	218.447	217.758	0.689
30	15	216.757	217.448	-0.691
35	16	217.819	216.748	1.071
35	17	220.788	220.436	0.352
35	18	221.631	221.100	0.531
35	19	219.506	218.850	0.656
35	20	220.188	219.813	0.375
50	30	216.037	216.731	-0.694
50	31	218.436	219.749	-1.313
50	32	218.507	218.931	-0.424
50	33	218.478	219.340	-0.862
50	34	215.673	215.763	-0.089
55	40	227.889	226.762	1.126
55	41	219.223	224.755	-5.532
55	42	219.008	222.358	-3.351
55	43	222.177	221.087	1.089
55	44	222.764	221.718	1.046
Max		227.889	226.762	1.126
Average		219.306	219.656	-0.350
Min		214.626	215.763	-5.532
Std Dev		2.749	2.569	1.642



72.14 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	303	nsec			
Min Limit	100	nsec			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	218.160	217.448	216.748	215.763	221.087
Average	218.899	218.249	219.390	218.103	223.336
Max	220.293	220.043	221.100	219.749	226.762
UL	303.000	303.000	303.000	303.000	303.000

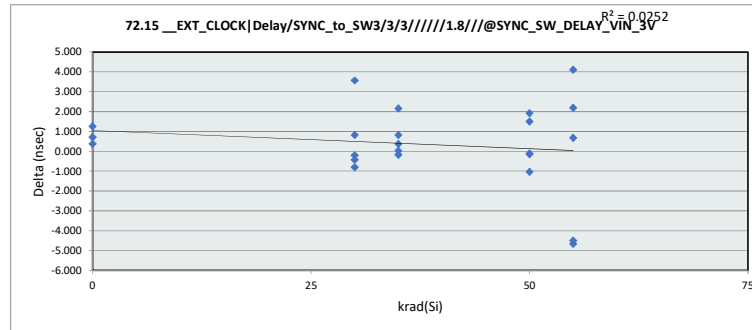


TID HDR Report

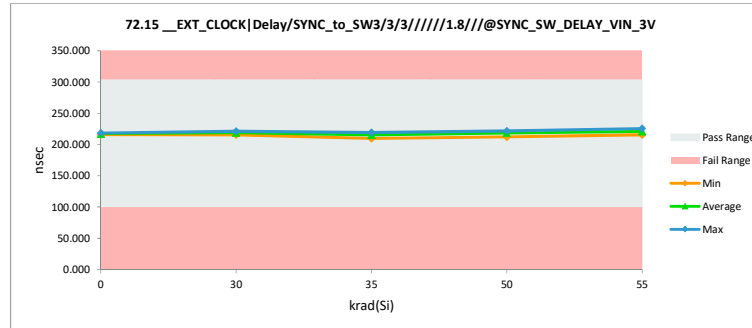
TPS7H4104-SEP

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

72.15 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	303		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	219.775	218.522	1.252
0	2	217.424	217.050	0.375
0	3	216.542	215.831	0.712
30	11	219.068	215.497	3.571
30	12	217.143	216.325	0.819
30	13	219.686	219.883	-0.197
30	14	220.277	221.080	-0.803
30	15	220.846	221.271	-0.424
35	16	216.775	216.744	0.031
35	17	219.704	219.335	0.368
35	18	211.696	209.539	2.157
35	19	215.039	215.215	-0.176
35	20	216.107	215.290	0.817
50	30	214.072	212.147	1.924
50	31	220.027	220.135	-0.108
50	32	220.374	220.518	-0.144
50	33	219.262	217.754	1.508
50	34	220.745	221.777	-1.032
55	40	222.254	218.145	4.109
55	41	220.291	224.949	-4.659
55	42	216.722	221.223	-4.501
55	43	217.734	215.541	2.193
55	44	226.447	225.769	0.678
Max		226.447	225.769	4.109
Average		218.609	218.241	0.368
Min		211.696	209.539	-4.659
Std Dev		3.032	3.766	2.023



72.15 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	303	nsec			
Min Limit	100	nsec			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	215.831	215.497	209.539	212.147	215.541
Average	217.134	218.811	215.225	218.466	221.126
Max	218.522	221.271	219.335	221.777	225.769
UL	303.000	303.000	303.000	303.000	303.000

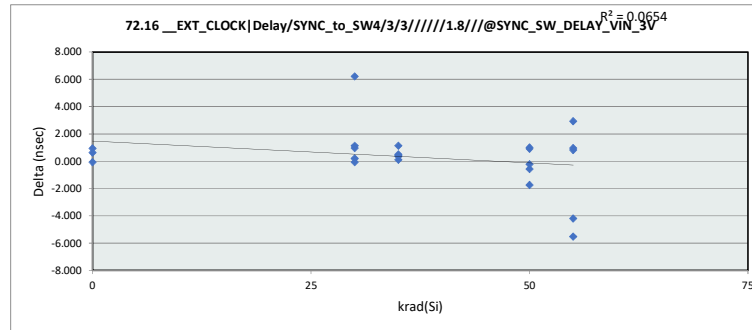


TID HDR Report

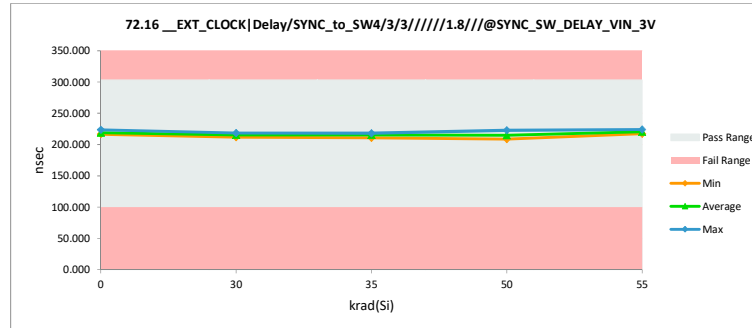
TPS7H4104-SEP

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

72.16 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	303		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	217.947	217.005	0.943
0	2	217.299	216.678	0.621
0	3	223.485	223.557	-0.073
30	11	218.285	217.318	0.967
30	12	211.661	211.731	-0.070
30	13	219.165	212.956	6.210
30	14	218.568	218.363	0.205
30	15	216.179	215.044	1.135
35	16	217.918	217.417	0.502
35	17	218.468	218.129	0.340
35	18	211.854	210.728	1.126
35	19	214.954	214.551	0.403
35	20	215.633	215.529	0.104
50	30	209.660	208.653	1.007
50	31	212.410	211.493	0.917
50	32	221.053	222.793	-1.740
50	33	215.371	215.591	-0.220
50	34	215.995	216.570	-0.574
55	40	221.776	218.857	2.920
55	41	218.332	223.850	-5.518
55	42	219.150	223.344	-4.194
55	43	218.074	217.250	0.824
55	44	219.330	218.368	0.963
Max		223.485	223.850	6.210
Average		217.068	216.773	0.296
Min		209.660	208.653	-5.518
Std Dev		3.353	4.096	2.188



72.16 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	303	nsec			
Min Limit	100	nsec			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	216.678	211.731	210.728	208.653	217.250
Average	219.080	215.082	215.271	215.020	220.334
Max	223.558	218.363	218.129	222.793	223.850
UL	303.000	303.000	303.000	303.000	303.000

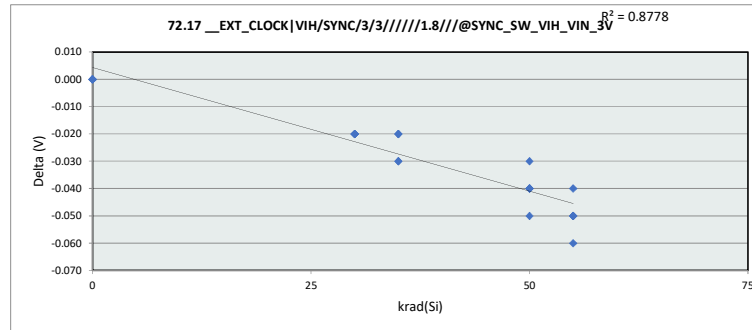


TID HDR Report

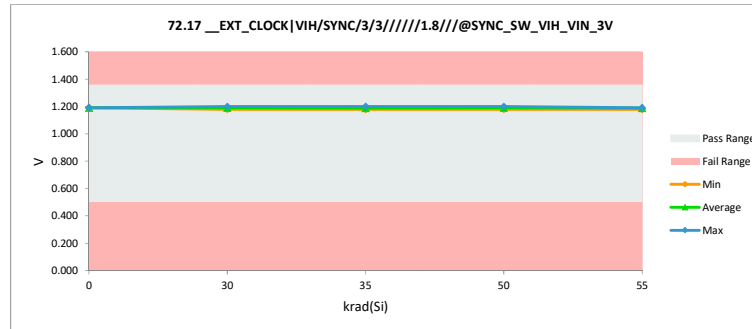
TPS7H4104-SEP

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

72.17 __EXT_CLOCK VIH/SYNC/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.4	1.355		
Min Limit	0.5	0.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.190	1.190	0.000
0	2	1.190	1.190	0.000
0	3	1.190	1.190	0.000
30	11	1.170	1.190	-0.020
30	12	1.160	1.180	-0.020
30	13	1.170	1.190	-0.020
30	14	1.170	1.190	-0.020
30	15	1.180	1.200	-0.020
35	16	1.160	1.180	-0.020
35	17	1.170	1.190	-0.020
35	18	1.160	1.180	-0.020
35	19	1.160	1.190	-0.030
35	20	1.170	1.200	-0.030
50	30	1.150	1.180	-0.030
50	31	1.160	1.200	-0.040
50	32	1.140	1.190	-0.050
50	33	1.150	1.190	-0.040
50	34	1.150	1.190	-0.040
55	40	1.150	1.190	-0.040
55	41	1.140	1.190	-0.050
55	42	1.130	1.180	-0.050
55	43	1.140	1.190	-0.050
55	44	1.130	1.190	-0.060
Max		1.190	1.200	0.000
Average		1.160	1.189	-0.029
Min		1.130	1.180	-0.060
Std Dev		0.018	0.006	0.017



72.17 __EXT_CLOCK VIH/SYN					
Test Site					
Tester					
Test Number					
Max Limit	1.355	V			
Min Limit	0.5	V			
krad(Si)	0	30	35	50	55
LL	0.500	0.500	0.500	0.500	0.500
Min	1.190	1.180	1.180	1.180	1.180
Average	1.190	1.190	1.188	1.190	1.188
Max	1.190	1.200	1.200	1.200	1.190
UL	1.355	1.355	1.355	1.355	1.355

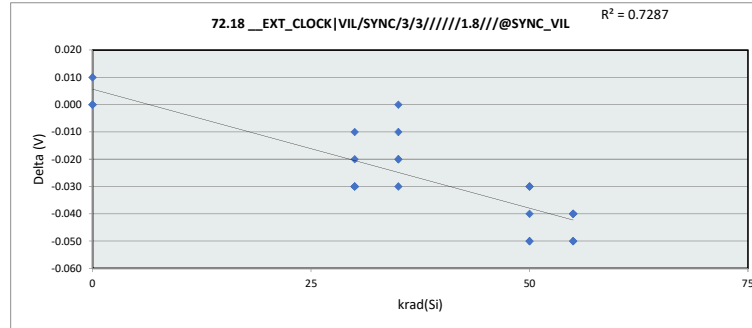


TID HDR Report

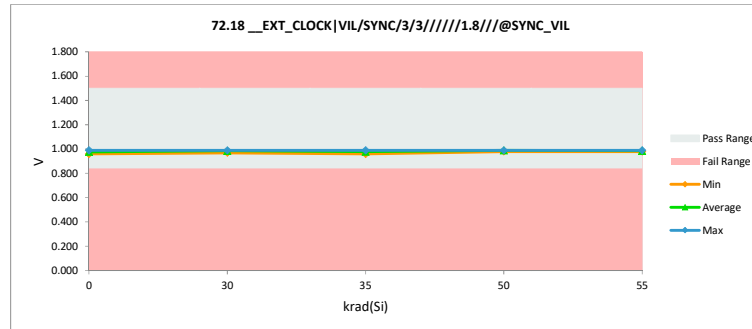
TPS7H4104-SEP

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

72.18 __EXT_CLOCK VIL SYNC/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.5	1.5		
Min Limit	0.8	0.84		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.990	0.980	0.010
0	2	0.990	0.990	0.000
0	3	0.960	0.960	0.000
30	11	0.960	0.990	-0.030
30	12	0.960	0.970	-0.010
30	13	0.960	0.990	-0.030
30	14	0.960	0.990	-0.030
30	15	0.970	0.990	-0.020
35	16	0.960	0.960	0.000
35	17	0.960	0.980	-0.020
35	18	0.960	0.980	-0.020
35	19	0.960	0.990	-0.030
35	20	0.970	0.980	-0.010
50	30	0.950	0.980	-0.030
50	31	0.950	0.990	-0.040
50	32	0.940	0.990	-0.050
50	33	0.940	0.990	-0.050
50	34	0.960	0.990	-0.030
55	40	0.950	0.990	-0.040
55	41	0.940	0.990	-0.050
55	42	0.940	0.980	-0.040
55	43	0.940	0.990	-0.050
55	44	0.940	0.980	-0.040
Max		0.990	0.990	0.010
Average		0.957	0.983	-0.027
Min		0.940	0.960	-0.050
Std Dev		0.014	0.009	0.018



72.18 __EXT_CLOCK VIL SYNC/					
Test Site					
Tester					
Test Number					
Max Limit	1.5	V			
Min Limit	0.84	V			
krad(Si)	0	30	35	50	55
LL	0.840	0.840	0.840	0.840	0.840
Min	0.960	0.970	0.960	0.980	0.980
Average	0.977	0.986	0.978	0.988	0.986
Max	0.990	0.990	0.990	0.990	0.990
UL	1.500	1.500	1.500	1.500	1.500

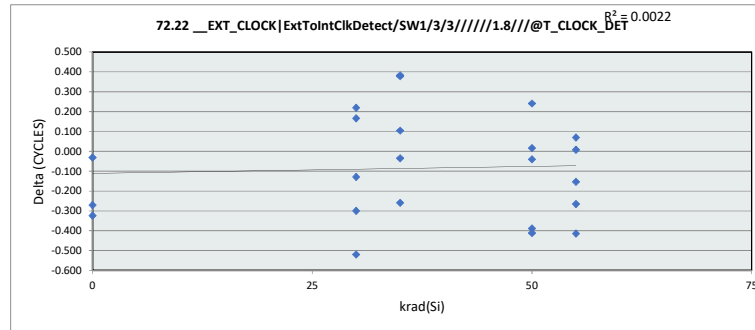


TID HDR Report

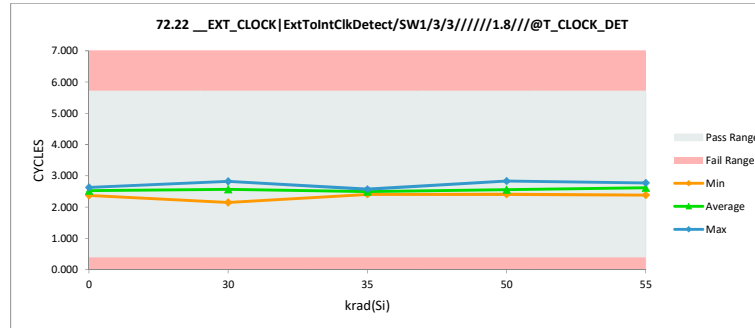
TPS7H4104-SEP

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

72.22 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.705		
Min Limit	0.395	0.395		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.102	2.374	-0.271
0	2	2.249	2.574	-0.325
0	3	2.592	2.624	-0.031
30	11	2.785	2.619	0.166
30	12	2.367	2.668	-0.301
30	13	2.304	2.824	-0.520
30	14	2.448	2.577	-0.129
30	15	2.365	2.147	0.219
35	16	2.636	2.532	0.104
35	17	2.907	2.529	0.378
35	18	2.829	2.447	0.382
35	19	2.311	2.571	-0.260
35	20	2.369	2.404	-0.036
50	30	2.404	2.444	-0.040
50	31	2.648	2.408	0.240
50	32	2.416	2.829	-0.412
50	33	2.546	2.530	0.016
50	34	2.190	2.579	-0.389
55	40	2.659	2.651	0.007
55	41	2.425	2.691	-0.266
55	42	2.359	2.773	-0.414
55	43	2.231	2.385	-0.154
55	44	2.645	2.576	0.069
Max		2.907	2.829	0.382
Average		2.469	2.555	-0.085
Min		2.102	2.147	-0.045
Std Dev		0.212	0.157	0.260



72.22 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.705	CYCLES			
Min Limit	0.395	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.395	0.395	0.395	0.395	0.395
Min	2.374	2.147	2.404	2.408	2.386
Average	2.524	2.567	2.497	2.558	2.615
Max	2.624	2.824	2.571	2.829	2.773
UL	5.705	5.705	5.705	5.705	5.705

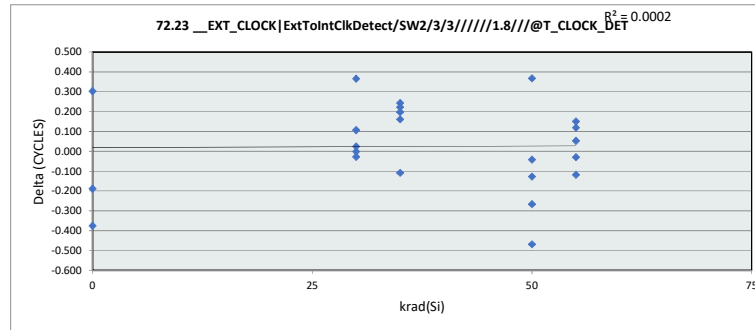


TID HDR Report

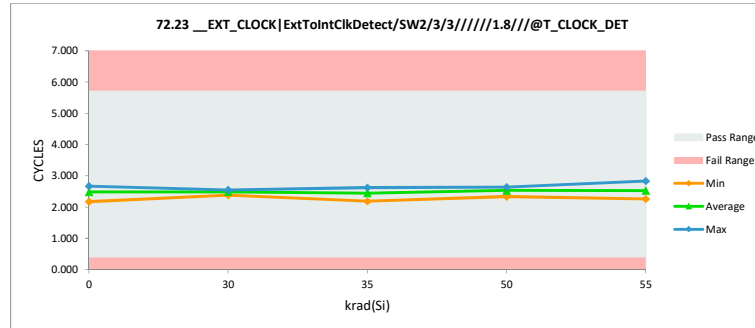
TPS7H4104-SEP

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

72.23 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.705		
Min Limit	0.395	0.395		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.290	2.666	-0.376
0	2	2.417	2.605	-0.188
0	3	2.475	2.172	0.303
30	11	2.634	2.527	0.107
30	12	2.354	2.381	-0.028
30	13	2.572	2.547	0.025
30	14	2.508	2.510	-0.001
30	15	2.847	2.481	0.366
35	16	2.577	2.379	0.197
35	17	2.843	2.621	0.223
35	18	2.346	2.185	0.161
35	19	2.735	2.491	0.244
35	20	2.448	2.557	-0.108
50	30	2.569	2.611	-0.042
50	31	2.512	2.639	-0.127
50	32	2.003	2.471	-0.468
50	33	2.351	2.618	-0.266
50	34	2.704	2.336	0.368
55	40	2.580	2.697	-0.118
55	41	2.373	2.320	0.053
55	42	2.799	2.829	-0.030
55	43	2.408	2.258	0.150
55	44	2.655	2.536	0.120
Max		2.847	2.829	0.368
Average		2.522	2.497	0.024
Min		2.003	2.172	-0.468
Std Dev		0.199	0.166	0.222



72.23 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.705	CYCLES			
Min Limit	0.395	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.395	0.395	0.395	0.395	0.395
Min	2.172	2.381	2.185	2.336	2.258
Average	2.481	2.489	2.447	2.535	2.528
Max	2.666	2.547	2.621	2.639	2.829
UL	5.705	5.705	5.705	5.705	5.705

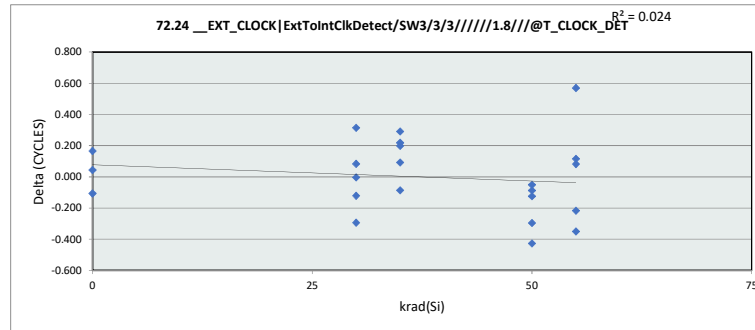


TID HDR Report

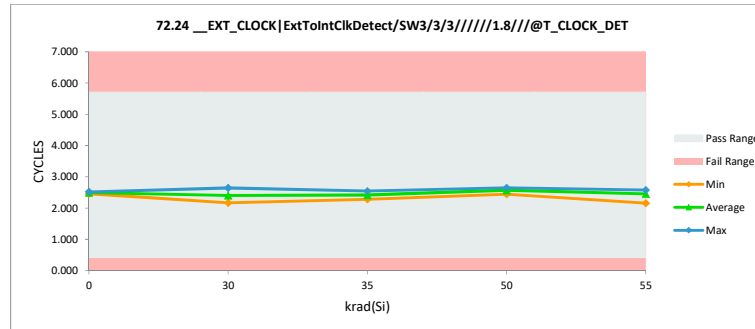
TPS7H4104-SEP

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

72.24 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.705		
Min Limit	0.395	0.395		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.663	2.498	0.165
0	2	2.502	2.459	0.043
0	3	2.412	2.518	-0.106
30	11	2.480	2.166	0.314
30	12	2.288	2.292	-0.004
30	13	2.726	2.643	0.082
30	14	2.284	2.577	-0.294
30	15	2.215	2.336	-0.121
35	16	2.758	2.540	0.218
35	17	2.566	2.275	0.291
35	18	2.573	2.375	0.198
35	19	2.441	2.527	-0.086
35	20	2.479	2.388	0.091
50	30	2.192	2.619	-0.427
50	31	2.238	2.534	-0.297
50	32	2.564	2.616	-0.052
50	33	2.314	2.438	-0.125
50	34	2.561	2.648	-0.087
55	40	2.629	2.547	0.082
55	41	2.224	2.442	-0.218
55	42	2.269	2.153	0.116
55	43	3.121	2.552	0.570
55	44	2.225	2.575	-0.350
Max		3.121	2.648	0.570
Average		2.466	2.466	0.000
Min		2.192	2.153	-0.427
Std Dev		0.226	0.144	0.238



72.24 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.705	CYCLES			
Min Limit	0.395	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.395	0.395	0.395	0.395	0.395
Min	2.459	2.166	2.275	2.439	2.153
Average	2.492	2.403	2.421	2.571	2.454
Max	2.518	2.643	2.540	2.648	2.575
UL	5.705	5.705	5.705	5.705	5.705

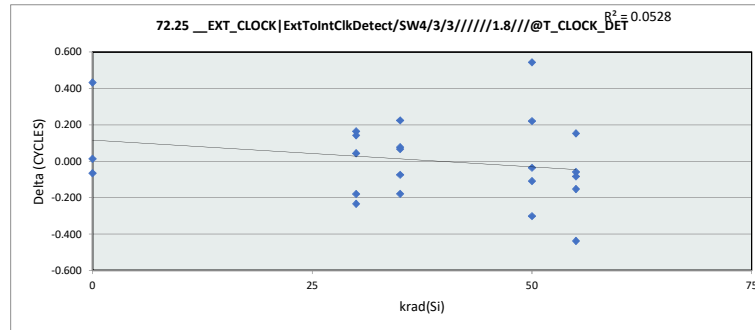


TID HDR Report

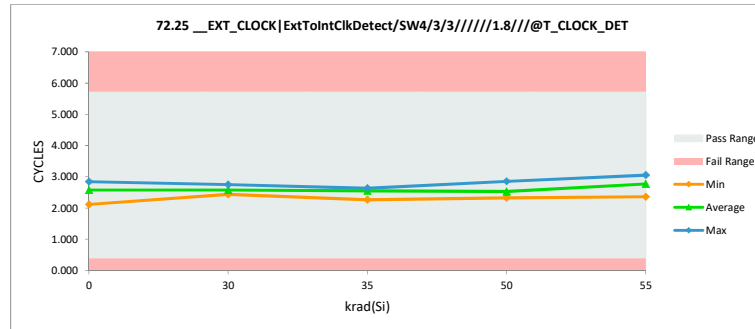
TPS7H4104-SEP

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

72.25 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.705		
Min Limit	0.395	0.395		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.778	2.845	-0.067
0	2	2.775	2.761	0.013
0	3	2.544	2.113	0.431
30	11	2.486	2.442	0.043
30	12	2.509	2.690	-0.180
30	13	2.740	2.576	0.164
30	14	2.513	2.748	-0.235
30	15	2.579	2.438	0.141
35	16	2.489	2.265	0.224
35	17	2.710	2.634	0.076
35	18	2.676	2.610	0.066
35	19	2.550	2.625	-0.075
35	20	2.451	2.631	-0.180
50	30	2.659	2.439	0.220
50	31	2.400	2.437	-0.037
50	32	2.869	2.326	0.543
50	33	2.486	2.595	-0.110
50	34	2.555	2.857	-0.302
55	40	2.718	2.778	-0.059
55	41	2.798	2.951	-0.153
55	42	2.515	2.362	0.153
55	43	2.636	2.720	-0.084
55	44	2.614	3.052	-0.438
Max		2.869	3.052	0.543
Average		2.611	2.604	0.007
Min		2.400	2.113	-0.438
Std Dev		0.128	0.228	0.226



72.25 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.705	CYCLES			
Min Limit	0.395	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.395	0.395	0.395	0.395	0.395
Min	2.113	2.438	2.265	2.326	2.362
Average	2.573	2.579	2.553	2.531	2.773
Max	2.845	2.748	2.634	2.857	3.052
UL	5.705	5.705	5.705	5.705	5.705

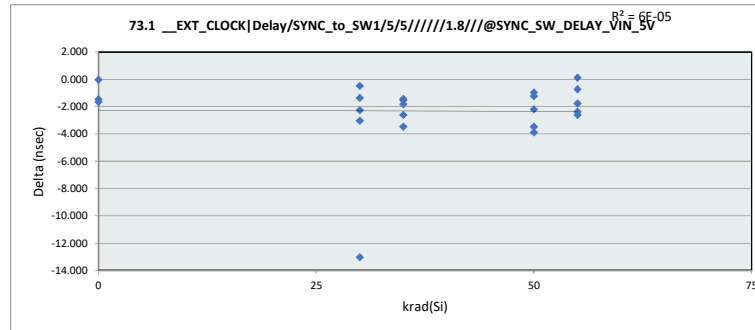


TID HDR Report

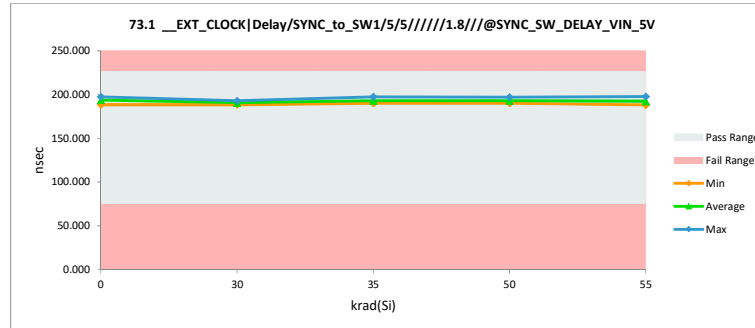
TPS7H4104-SEP

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

73.1 __EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	186.731	188.380	-1.649
0	2	197.414	197.446	-0.033
0	3	193.568	195.031	-1.463
30	11	187.118	188.476	-1.357
30	12	188.883	191.915	-3.033
30	13	189.026	189.501	-0.475
30	14	188.177	190.431	-2.255
30	15	179.772	192.803	-13.031
35	16	186.958	190.423	-3.464
35	17	188.564	189.990	-1.426
35	18	195.715	197.536	-1.821
35	19	189.517	191.048	-1.532
35	20	193.416	196.026	-2.610
50	30	189.066	190.025	-0.959
50	31	191.161	193.352	-2.191
50	32	193.619	197.084	-3.465
50	33	190.270	194.155	-3.885
50	34	188.761	189.988	-1.227
55	40	187.180	189.782	-2.602
55	41	185.692	188.074	-2.382
55	42	189.153	189.874	-0.721
55	43	195.053	196.818	-1.765
55	44	197.715	197.590	0.125
	Max	197.715	197.590	0.125
	Average	190.110	192.424	-2.314
	Min	179.772	188.074	-13.031
	Std Dev	4.165	3.327	2.566



73.1 __EXT_CLOCK Delay/SY					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	188.380	188.476	189.990	189.988	188.074
Average	193.619	190.625	193.005	192.921	192.427
Max	197.446	192.803	197.536	197.084	197.590
UL	226.000	226.000	226.000	226.000	226.000

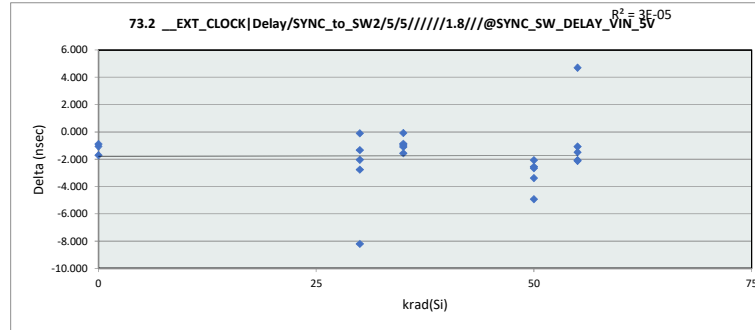


TID HDR Report

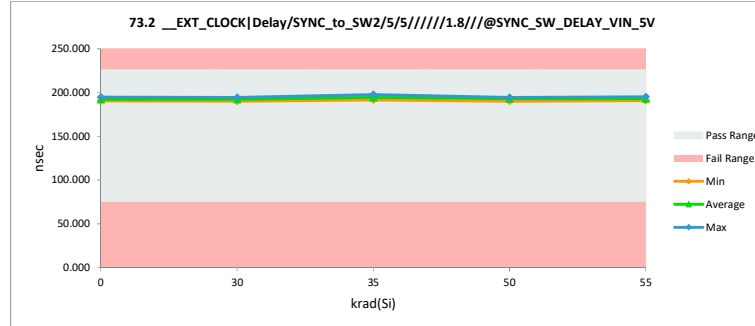
TPS7H4104-SEP

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

73.2 __EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	192.986	194.688	-1.702
0	2	189.703	190.599	-0.896
0	3	190.264	191.329	-1.065
30	11	187.439	190.203	-2.764
30	12	186.112	194.315	-8.203
30	13	190.173	192.214	-2.040
30	14	191.291	192.626	-1.335
30	15	191.359	191.471	-0.112
35	16	191.594	191.675	-0.081
35	17	193.616	194.575	-0.959
35	18	195.967	197.534	-1.567
35	19	192.605	193.469	-0.864
35	20	193.254	194.348	-1.095
50	30	187.405	190.067	-2.662
50	31	191.442	194.004	-2.562
50	32	189.490	194.423	-4.932
50	33	191.011	194.397	-3.385
50	34	189.714	191.779	-2.065
55	40	199.879	195.172	4.707
55	41	188.723	190.845	-2.121
55	42	189.727	191.791	-2.063
55	43	192.848	194.330	-1.481
55	44	192.736	193.814	-1.078
Max		199.879	197.534	4.707
Average		191.276	193.029	-1.753
Min		186.112	190.067	-8.203
Std Dev		2.943	1.897	2.219



73.2 __EXT_CLOCK Delay/SY					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	190.599	190.203	191.675	190.067	190.845
Average	192.205	192.166	194.320	192.934	193.190
Max	194.688	194.315	197.534	194.423	195.172
UL	226.000	226.000	226.000	226.000	226.000

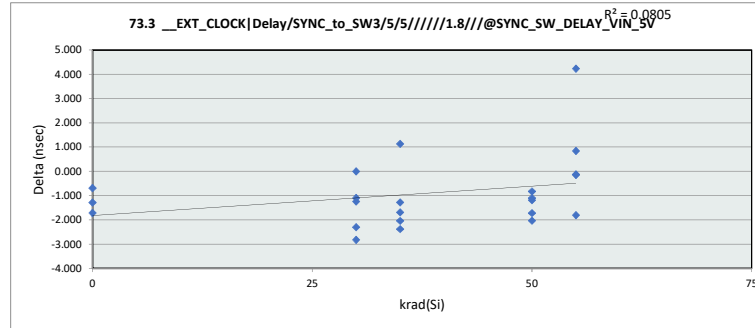


TID HDR Report

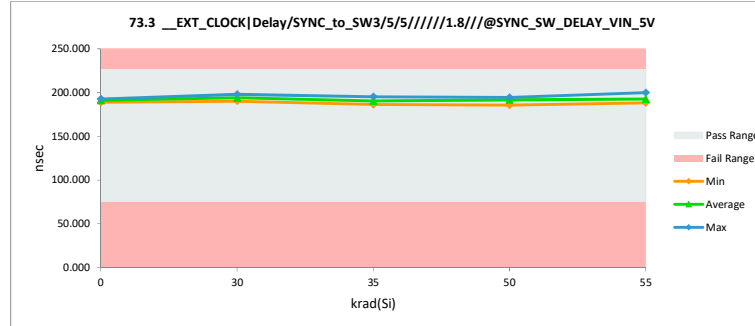
TPS7H4104-SEP

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

73.3 __EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	189.961	191.673	-1.713
0	2	191.323	192.611	-1.288
0	3	188.182	188.873	-0.692
30	11	190.166	190.174	-0.008
30	12	191.113	192.358	-1.245
30	13	193.584	195.890	-2.306
30	14	190.831	193.655	-2.823
30	15	196.813	197.914	-1.101
35	16	191.879	193.158	-1.279
35	17	192.899	195.286	-2.387
35	18	187.359	186.230	1.129
35	19	188.260	190.302	-2.041
35	20	186.005	187.701	-1.696
50	30	184.387	185.578	-1.191
50	31	191.900	193.621	-1.721
50	32	191.499	193.531	-2.032
50	33	190.196	191.302	-1.106
50	34	193.688	194.521	-0.833
55	40	195.423	191.190	4.233
55	41	190.269	192.082	-1.813
55	42	191.434	191.566	-0.131
55	43	189.019	188.180	0.839
55	44	199.763	199.912	-0.149
	Max	199.763	199.912	4.233
	Average	191.128	192.057	-0.928
	Min	184.387	185.578	-2.823
	Std Dev	3.396	3.467	1.497



73.3 __EXT_CLOCK Delay/SY					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	188.873	190.174	186.230	185.578	188.180
Average	191.052	193.998	190.535	191.711	192.586
Max	192.611	197.914	195.286	194.521	199.912
UL	226.000	226.000	226.000	226.000	226.000

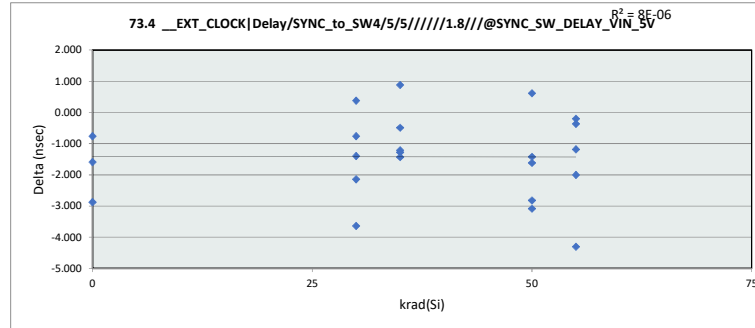


TID HDR Report

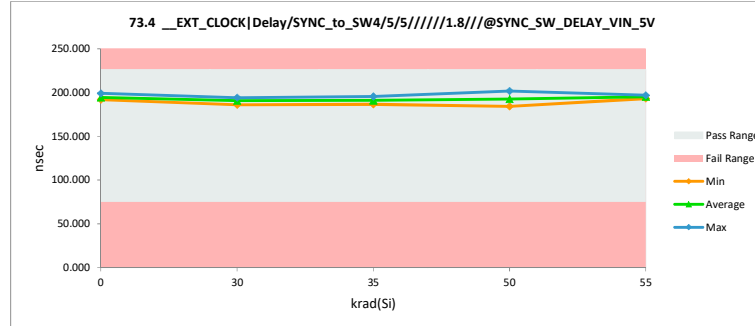
TPS7H4104-SEP

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

73.4 __EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	190.675	192.265	-1.590
0	2	189.039	191.915	-2.876
0	3	198.356	199.115	-0.759
30	11	192.949	192.571	0.378
30	12	184.032	187.669	-3.637
30	13	185.278	186.037	-0.760
30	14	190.993	193.137	-2.143
30	15	192.746	194.145	-1.399
35	16	194.241	193.358	0.883
35	17	194.449	195.660	-1.211
35	18	186.003	186.491	-0.488
35	19	189.925	191.206	-1.280
35	20	187.059	188.490	-1.431
50	30	184.692	184.076	0.616
50	31	185.170	186.590	-1.420
50	32	198.931	201.752	-2.821
50	33	191.653	194.740	-3.087
50	34	194.293	195.912	-1.620
55	40	195.594	196.775	-1.182
55	41	191.141	193.141	-2.000
55	42	192.028	196.330	-4.301
55	43	194.939	195.307	-0.368
55	44	194.575	194.778	-0.203
Max		198.931	201.752	0.883
Average		191.250	192.672	-1.422
Min		184.032	184.076	-4.301
Std Dev		4.302	4.425	1.317



73.4 __EXT_CLOCK Delay/SY					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	191.915	186.037	186.491	184.076	193.141
Average	194.432	190.712	191.041	192.614	195.266
Max	199.115	194.145	195.660	201.752	196.776
UL	226.000	226.000	226.000	226.000	226.000

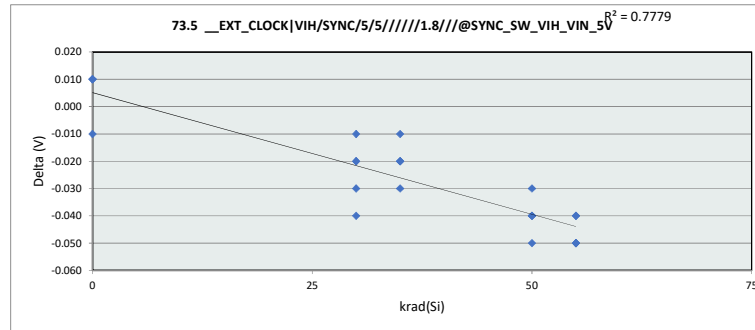


TID HDR Report

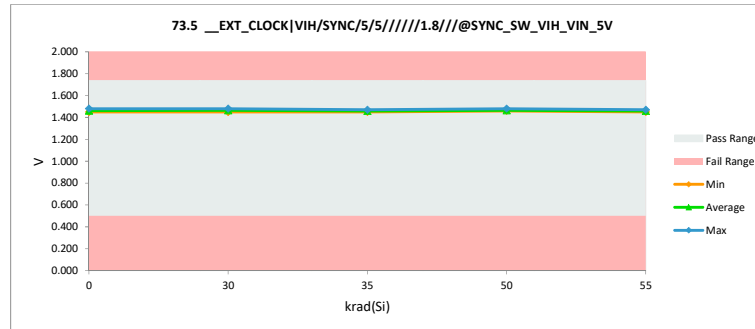
TPS7H4104-SEP

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

73.5 __EXT_CLOCK VIH/SYNC/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1.8	1.735		
Min Limit	0.5	0.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.470	1.460	0.010
0	2	1.470	1.480	-0.010
0	3	1.460	1.450	0.010
30	11	1.440	1.470	-0.030
30	12	1.430	1.450	-0.020
30	13	1.440	1.480	-0.040
30	14	1.450	1.460	-0.010
30	15	1.450	1.470	-0.020
35	16	1.430	1.450	-0.020
35	17	1.450	1.460	-0.010
35	18	1.420	1.450	-0.030
35	19	1.450	1.470	-0.020
35	20	1.450	1.470	-0.020
50	30	1.420	1.460	-0.040
50	31	1.430	1.470	-0.040
50	32	1.420	1.460	-0.040
50	33	1.430	1.460	-0.030
50	34	1.430	1.480	-0.050
55	40	1.420	1.470	-0.050
55	41	1.410	1.460	-0.050
55	42	1.410	1.450	-0.040
55	43	1.410	1.460	-0.050
55	44	1.420	1.460	-0.040
Max		1.470	1.480	0.010
Average		1.435	1.463	-0.028
Min		1.410	1.450	-0.050
Std Dev		0.018	0.010	0.018



73.5 __EXT_CLOCK VIH/SYNC/					
Test Site					
Tester					
Test Number					
Max Limit	1.735	V			
Min Limit	0.5	V			
krad(Si)	0	30	35	50	55
LL	0.500	0.500	0.500	0.500	0.500
Min	1.450	1.450	1.450	1.460	1.450
Average	1.463	1.466	1.460	1.466	1.460
Max	1.480	1.480	1.470	1.480	1.470
UL	1.735	1.735	1.735	1.735	1.735

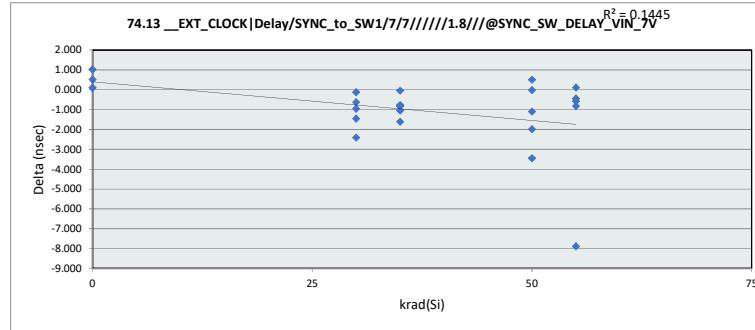


TID HDR Report

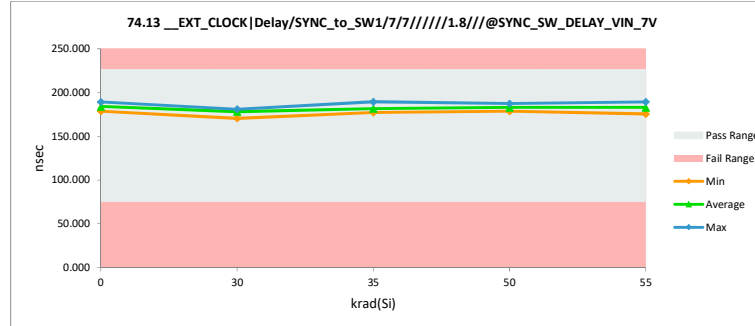
TPS7H4104-SEP

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

74.13 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	179.296	178.774	0.522
0	2	190.152	189.131	1.020
0	3	184.412	184.314	0.098
30	11	177.870	179.322	-1.452
30	12	178.441	180.846	-2.405
30	13	180.804	180.924	-0.120
30	14	178.474	179.098	-0.624
30	15	169.499	170.449	-0.950
35	16	176.443	177.273	-0.830
35	17	178.313	179.355	-1.042
35	18	187.886	189.496	-1.610
35	19	179.786	179.822	-0.036
35	20	181.626	182.395	-0.769
50	30	179.069	178.563	0.506
50	31	181.462	183.441	-1.979
50	32	187.394	187.406	-0.012
50	33	182.372	185.818	-3.446
50	34	178.669	179.767	-1.098
55	40	176.411	176.299	0.112
55	41	175.127	175.569	-0.442
55	42	177.979	185.863	-7.883
55	43	186.594	187.414	-0.820
55	44	188.816	189.391	-0.574
Max		190.152	189.496	1.020
Average		180.735	181.771	-1.036
Min		169.499	170.449	-7.883
Std Dev		4.946	4.967	1.801



74.13 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	178.774	170.449	177.273	178.563	175.569
Average	184.073	178.128	181.668	182.999	182.907
Max	189.131	180.924	189.496	187.406	189.391
UL	226.000	226.000	226.000	226.000	226.000

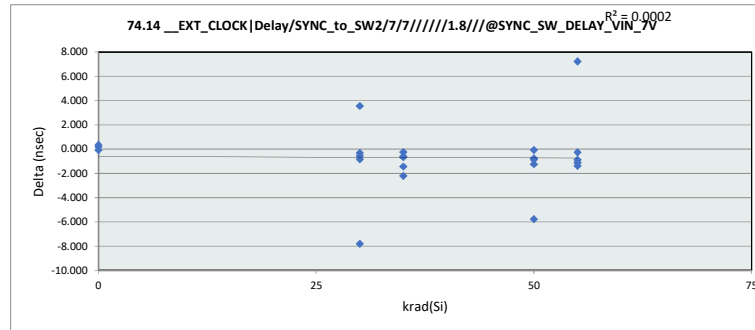


TID HDR Report

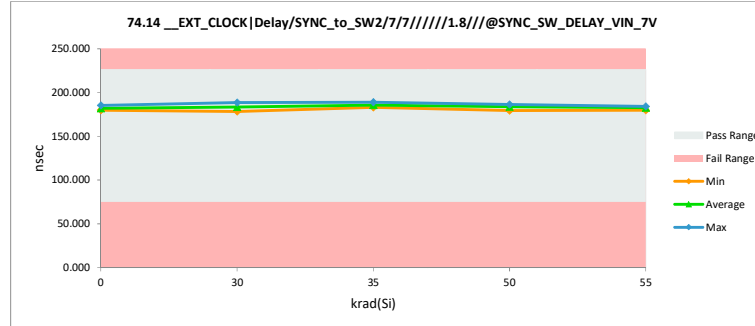
TPS7H4104-SEP

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

74.14 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	185.624	185.281	0.342
0	2	179.767	179.856	-0.089
0	3	181.070	180.862	0.209
30	11	177.972	178.287	-0.315
30	12	185.190	185.749	-0.558
30	13	180.708	188.506	-7.798
30	14	182.542	183.386	-0.843
30	15	185.021	181.468	3.553
35	16	182.426	183.087	-0.662
35	17	183.935	186.146	-2.211
35	18	187.523	188.955	-1.432
35	19	185.345	185.592	-0.247
35	20	184.405	185.007	-0.602
50	30	179.252	179.327	-0.075
50	31	182.768	183.541	-0.773
50	32	180.629	186.400	-5.770
50	33	184.463	185.709	-1.246
50	34	182.792	183.660	-0.869
55	40	191.315	184.093	7.222
55	41	178.381	179.760	-1.379
55	42	181.801	182.684	-0.883
55	43	182.828	183.943	-1.115
55	44	182.401	182.667	-0.267
Max		191.315	188.955	7.222
Average		182.963	183.651	-0.687
Min		177.972	178.287	-7.798
Std Dev		3.045	2.817	2.731



74.14 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	179.856	178.287	183.087	179.327	179.760
Average	182.000	183.479	185.758	183.727	182.629
Max	185.282	188.506	188.955	186.400	184.093
UL	226.000	226.000	226.000	226.000	226.000

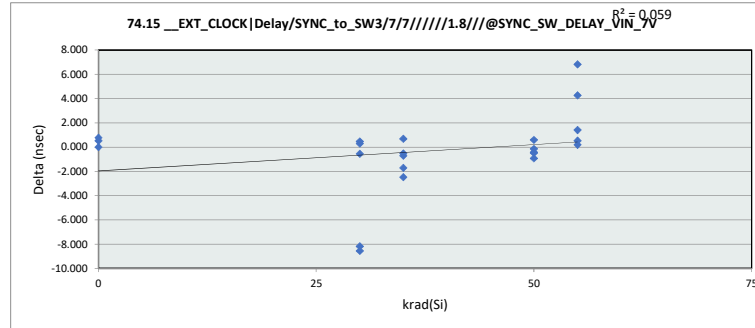


TID HDR Report

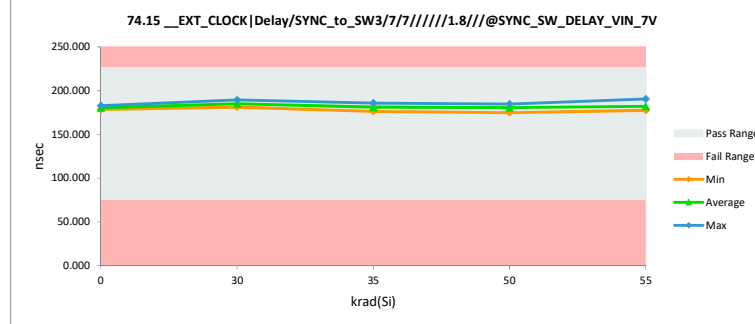
TPS7H4104-SEP

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

74.15 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	180.742	180.227	0.514
0	2	183.350	182.581	0.769
0	3	178.256	178.260	-0.004
30	11	181.520	181.067	0.453
30	12	183.503	183.218	0.285
30	13	177.803	186.373	-8.570
30	14	181.073	189.261	-8.188
30	15	183.960	184.517	-0.557
35	16	183.789	184.501	-0.711
35	17	183.964	185.686	-1.722
35	18	179.375	178.691	0.683
35	19	179.604	180.138	-0.534
35	20	173.700	176.185	-2.484
50	30	175.337	174.751	0.585
50	31	181.163	181.639	-0.477
50	32	181.634	182.572	-0.939
50	33	179.356	179.786	-0.431
50	34	184.284	184.439	-0.156
55	40	186.796	179.984	6.812
55	41	184.716	180.461	4.255
55	42	183.000	182.483	0.517
55	43	178.818	177.423	1.395
55	44	190.524	190.344	0.179
	Max	190.524	190.344	6.812
	Average	181.577	181.939	-0.362
	Min	173.700	174.751	-8.570
	Std Dev	3.682	3.856	3.146



74.15 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	178.260	181.067	176.185	174.751	177.423
Average	180.356	184.887	181.040	180.638	182.139
Max	182.581	189.261	185.686	184.439	190.344
UL	226.000	226.000	226.000	226.000	226.000

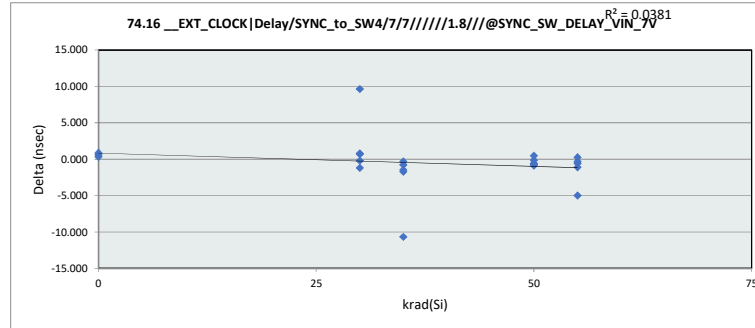


TID HDR Report

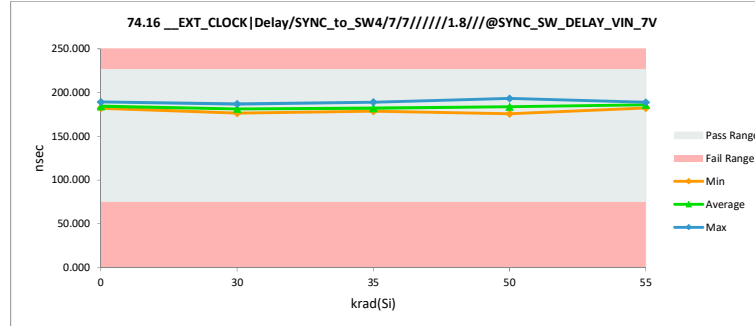
TPS7H4104-SEP

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

74.16 __EXT_CLOCK Delay/SYN				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	234	226		
Min Limit	75	75		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	182.764	182.159	0.605
0	2	182.965	182.081	0.883
0	3	189.508	189.156	0.352
30	11	184.621	183.821	0.799
30	12	175.568	176.751	-1.183
30	13	186.025	176.381	9.644
30	14	182.652	182.842	-0.191
30	15	187.628	186.919	0.709
35	16	183.443	185.156	-1.713
35	17	178.322	188.971	-10.649
35	18	178.294	179.060	-0.767
35	19	178.440	178.741	-0.301
35	20	177.202	178.653	-1.451
50	30	177.437	176.959	0.478
50	31	175.514	175.637	-0.123
50	32	192.405	193.272	-0.867
50	33	184.656	185.240	-0.584
50	34	187.407	188.042	-0.635
55	40	183.812	188.791	-4.979
55	41	181.808	182.368	-0.560
55	42	182.303	183.377	-1.074
55	43	187.946	188.245	-0.299
55	44	187.648	187.373	0.275
Max		192.405	193.272	9.644
Average		182.972	183.478	-0.506
Min		175.514	175.637	-10.649
Std Dev		4.650	4.924	3.291



74.16 __EXT_CLOCK Delay/SYN					
Test Site					
Tester					
Test Number					
Max Limit	226	nsec			
Min Limit	75	nsec			
krad(Si)	0	30	35	50	55
LL	75.000	75.000	75.000	75.000	75.000
Min	182.081	176.381	178.653	175.637	182.368
Average	184.465	181.343	182.116	183.830	186.031
Max	189.156	186.920	188.971	193.272	188.791
UL	226.000	226.000	226.000	226.000	226.000

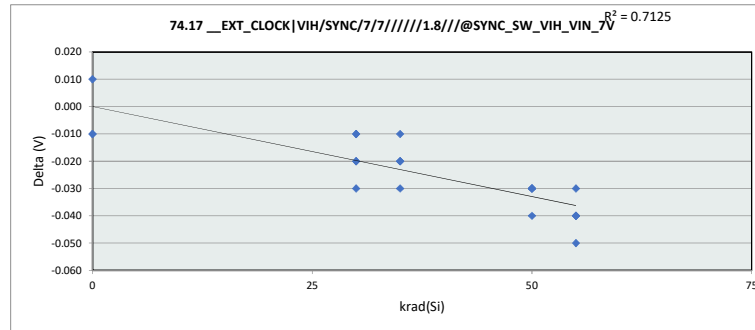


TID HDR Report

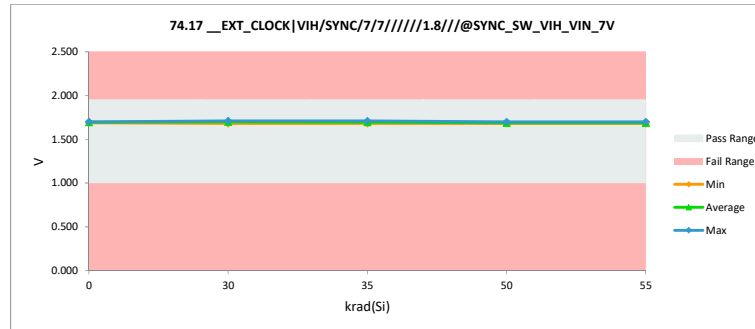
TPS7H4104-SEP

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

74.17 __EXT_CLOCK VIH/SYNC/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2	1.95		
Min Limit	1	1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.680	1.690	-0.010
0	2	1.710	1.700	0.010
0	3	1.680	1.690	-0.010
30	11	1.680	1.700	-0.020
30	12	1.670	1.680	-0.010
30	13	1.680	1.700	-0.020
30	14	1.680	1.710	-0.030
30	15	1.690	1.700	-0.010
35	16	1.660	1.690	-0.030
35	17	1.680	1.690	-0.010
35	18	1.660	1.680	-0.020
35	19	1.680	1.700	-0.020
35	20	1.690	1.710	-0.020
50	30	1.650	1.680	-0.030
50	31	1.670	1.700	-0.030
50	32	1.650	1.690	-0.040
50	33	1.660	1.690	-0.030
50	34	1.660	1.690	-0.030
55	40	1.670	1.700	-0.030
55	41	1.640	1.690	-0.050
55	42	1.640	1.680	-0.040
55	43	1.650	1.690	-0.040
55	44	1.650	1.690	-0.040
Max		1.710	1.710	0.010
Average		1.669	1.693	-0.024
Min		1.640	1.680	-0.050
Std Dev		0.018	0.009	0.014



74.17 __EXT_CLOCK VIH/SYN					
Test Site					
Tester					
Test Number					
Max Limit	1.95	V			
Min Limit	1	V			
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	1.690	1.680	1.680	1.680	1.680
Average	1.693	1.698	1.694	1.690	1.690
Max	1.700	1.710	1.710	1.700	1.700
UL	1.950	1.950	1.950	1.950	1.950

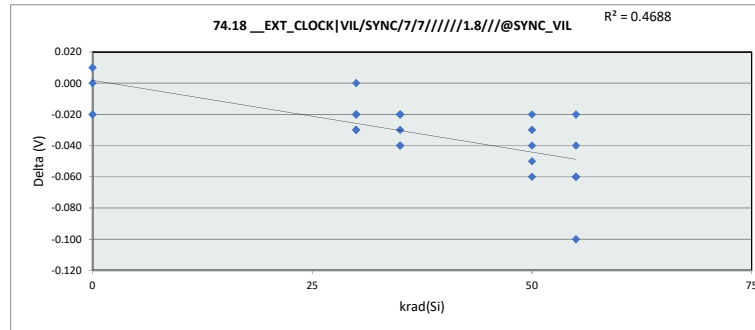


TID HDR Report

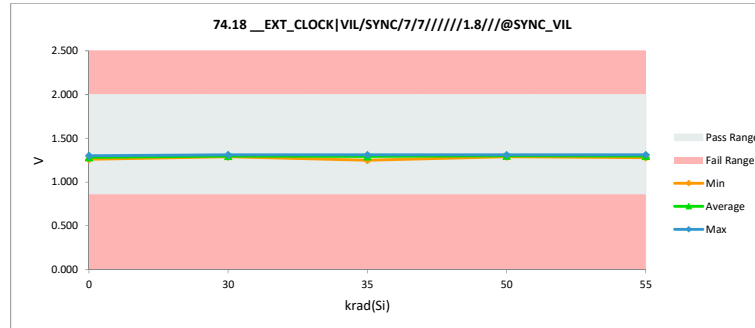
TPS7H4104-SEP

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

74.18 __EXT_CLOCK VIL SYNC/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2	2		
Min Limit	0.8	0.86		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.300	1.290	0.010
0	2	1.280	1.300	-0.020
0	3	1.260	1.260	0.000
30	11	1.260	1.290	-0.030
30	12	1.280	1.310	-0.030
30	13	1.290	1.290	0.000
30	14	1.270	1.290	-0.020
30	15	1.290	1.310	-0.020
35	16	1.280	1.300	-0.020
35	17	1.270	1.310	-0.040
35	18	1.230	1.250	-0.020
35	19	1.270	1.310	-0.040
35	20	1.270	1.300	-0.030
50	30	1.270	1.290	-0.020
50	31	1.260	1.300	-0.040
50	32	1.250	1.300	-0.050
50	33	1.270	1.300	-0.030
50	34	1.250	1.310	-0.060
55	40	1.280	1.300	-0.020
55	41	1.210	1.310	-0.100
55	42	1.240	1.300	-0.060
55	43	1.240	1.300	-0.060
55	44	1.240	1.280	-0.040
Max		1.300	1.310	0.010
Average		1.263	1.296	-0.032
Min		1.210	1.250	-0.100
Std Dev		0.021	0.015	0.024



74.18 __EXT_CLOCK VIL SYNC/					
Test Site					
Tester					
Test Number					
Max Limit	2	V			
Min Limit	0.86	V			
krad(Si)	0	30	35	50	55
LL	0.860	0.860	0.860	0.860	0.860
Min	1.260	1.290	1.250	1.290	1.280
Average	1.283	1.298	1.294	1.300	1.298
Max	1.300	1.310	1.310	1.310	1.310
UL	2.000	2.000	2.000	2.000	2.000

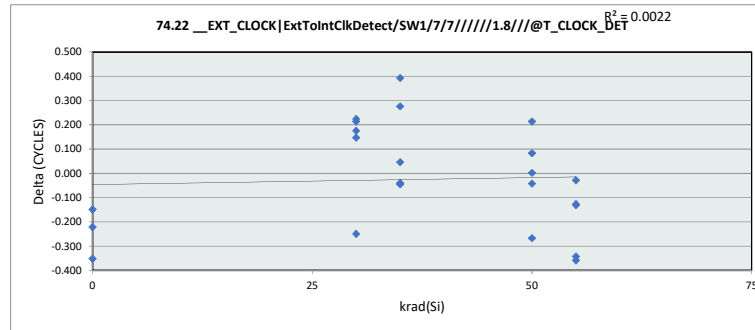


TID HDR Report

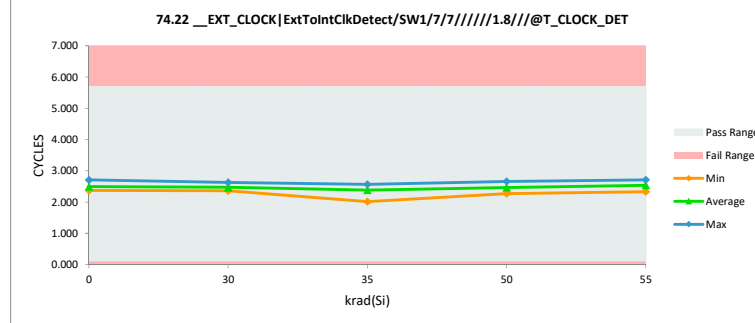
TPS7H4104-SEP

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

74.22 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.050	2.402	-0.352
0	2	2.220	2.369	-0.148
0	3	2.484	2.705	-0.221
30	11	2.632	2.408	0.224
30	12	2.626	2.412	0.214
30	13	2.775	2.628	0.147
30	14	2.540	2.365	0.176
30	15	2.279	2.529	-0.250
35	16	2.654	2.261	0.393
35	17	2.512	2.556	-0.045
35	18	2.614	2.568	0.046
35	19	2.472	2.512	-0.040
35	20	2.293	2.017	0.277
50	30	2.307	2.305	0.002
50	31	2.795	2.581	0.214
50	32	2.622	2.663	-0.042
50	33	2.349	2.266	0.084
50	34	2.245	2.512	-0.267
55	40	2.431	2.459	-0.028
55	41	2.204	2.330	-0.127
55	42	2.300	2.658	-0.358
55	43	2.397	2.527	-0.130
55	44	2.368	2.710	-0.342
Max		2.795	2.710	0.393
Average		2.442	2.467	-0.025
Min		2.050	2.017	-0.358
Std Dev		0.194	0.168	0.217



74.22 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.7	CYCLES			
Min Limit	0.1	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	2.369	2.365	2.017	2.266	2.331
Average	2.492	2.468	2.383	2.465	2.537
Max	2.705	2.628	2.568	2.663	2.710
UL	5.700	5.700	5.700	5.700	5.700

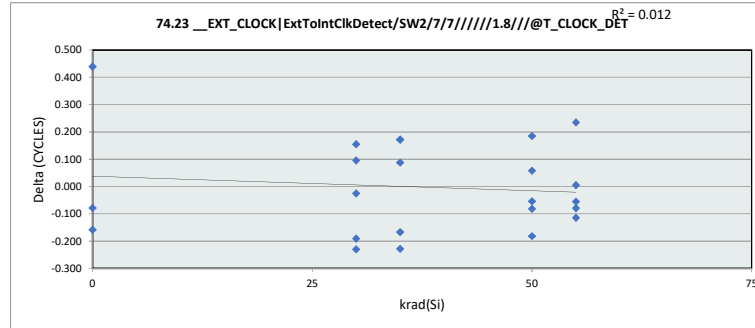


TID HDR Report

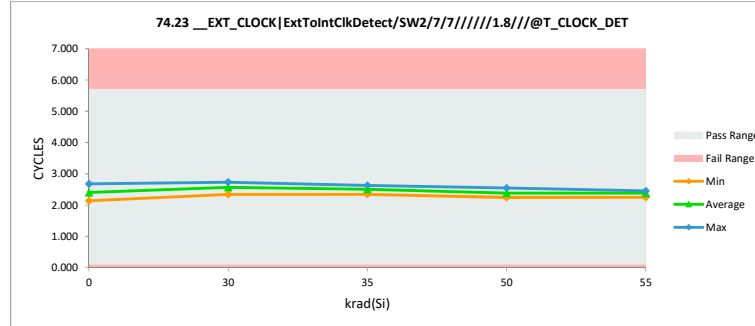
TPS7H4104-SEP

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

74.23 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.228	2.386	-0.159
0	2	2.601	2.679	-0.079
0	3	2.573	2.134	0.439
30	11	2.503	2.734	-0.230
30	12	2.528	2.719	-0.191
30	13	2.499	2.345	0.155
30	14	2.625	2.530	0.095
30	15	2.462	2.488	-0.025
35	16	2.633	2.461	0.172
35	17	2.464	2.631	-0.167
35	18	2.516	2.344	0.171
35	19	2.543	2.455	0.088
35	20	2.390	2.618	-0.228
50	30	2.378	2.319	0.058
50	31	2.368	2.550	-0.182
50	32	2.461	2.276	0.185
50	33	2.189	2.243	-0.054
50	34	2.456	2.538	-0.082
55	40	2.349	2.404	-0.056
55	41	2.482	2.247	0.234
55	42	2.336	2.450	-0.115
55	43	2.423	2.418	0.005
55	44	2.313	2.393	-0.079
Max		2.633	2.734	0.439
Average		2.449	2.451	-0.002
Min		2.189	2.134	-0.230
Std Dev		0.118	0.159	0.172



74.23 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.7	CYCLES			
Min Limit	0.1	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	2.134	2.345	2.344	2.243	2.247
Average	2.400	2.563	2.502	2.385	2.382
Max	2.679	2.734	2.631	2.550	2.450
UL	5.700	5.700	5.700	5.700	5.700

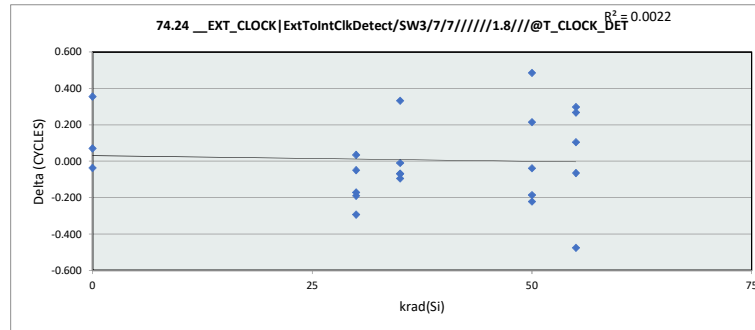


TID HDR Report

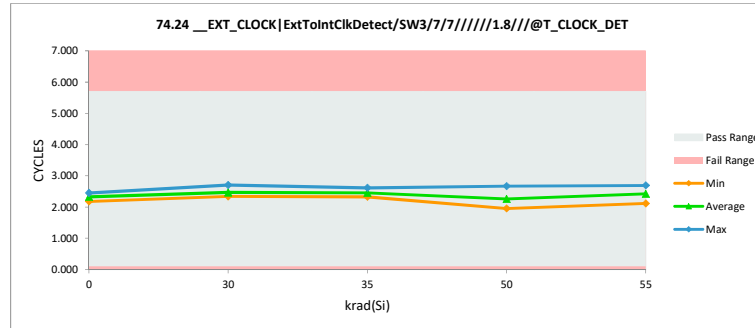
TPS7H4104-SEP

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

74.24 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.535	2.181	0.354
0	2	2.424	2.355	0.070
0	3	2.412	2.448	-0.037
30	11	2.243	2.537	-0.294
30	12	2.655	2.705	-0.050
30	13	2.180	2.370	-0.190
30	14	2.372	2.338	0.035
30	15	2.222	2.394	-0.172
35	16	2.284	2.353	-0.069
35	17	2.600	2.610	-0.011
35	18	2.332	2.401	-0.069
35	19	2.655	2.323	0.332
35	20	2.480	2.575	-0.095
50	30	2.094	2.281	-0.187
50	31	2.445	2.667	-0.222
50	32	2.439	1.954	0.485
50	33	1.970	2.008	-0.039
50	34	2.600	2.385	0.214
55	40	2.500	2.565	-0.065
55	41	2.432	2.328	0.104
55	42	2.214	2.691	-0.477
55	43	2.679	2.412	0.267
55	44	2.411	2.114	0.297
Max		2.679	2.705	0.485
Average		2.399	2.391	0.008
Min		1.970	1.954	-0.477
Std Dev		0.186	0.201	0.232



74.24 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.7	CYCLES			
Min Limit	0.1	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	2.181	2.338	2.323	1.954	2.114
Average	2.328	2.469	2.453	2.259	2.422
Max	2.449	2.705	2.610	2.667	2.691
UL	5.700	5.700	5.700	5.700	5.700

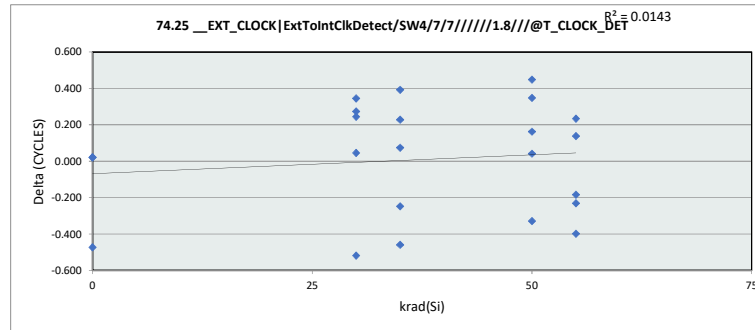


TID HDR Report

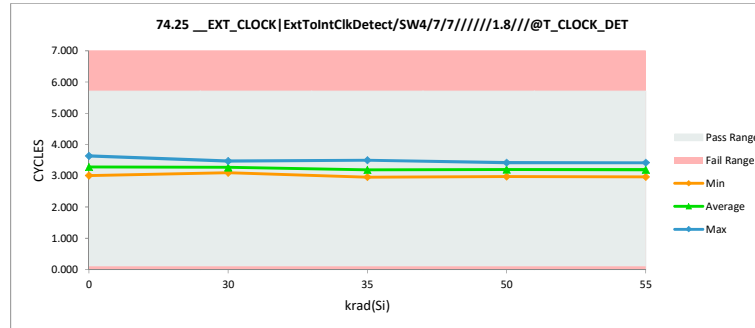
TPS7H4104-SEP

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

74.25 __EXT_CLOCK ExtToIntClk				
Test Site				
Tester				
Test Number				
Unit	CYCLES	CYCLES		
Max Limit	6	5.7		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	3.216	3.195	0.021
0	2	3.032	3.010	0.022
0	3	3.163	3.636	-0.473
30	11	3.590	3.245	0.345
30	12	3.374	3.100	0.274
30	13	3.490	3.245	0.245
30	14	2.954	3.472	-0.518
30	15	3.330	3.285	0.045
35	16	3.257	3.182	0.075
35	17	3.244	3.015	0.229
35	18	3.041	3.500	-0.460
35	19	3.351	2.958	0.393
35	20	3.050	3.298	-0.248
50	30	3.656	3.207	0.449
50	31	3.580	3.417	0.163
50	32	3.092	3.421	-0.328
50	33	3.018	2.977	0.041
50	34	3.329	2.981	0.348
55	40	3.142	3.372	-0.231
55	41	3.106	2.967	0.138
55	42	3.239	3.005	0.234
55	43	3.022	3.420	-0.398
55	44	3.039	3.223	-0.184
Max		3.656	3.636	0.449
Average		3.231	3.223	0.008
Min		2.954	2.958	-0.518
Std Dev		0.204	0.198	0.302



74.25 __EXT_CLOCK ExtToIntClk					
Test Site					
Tester					
Test Number					
Max Limit	5.7	CYCLES			
Min Limit	0.1	CYCLES			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	3.011	3.100	2.959	2.977	2.967
Average	3.281	3.269	3.191	3.200	3.197
Max	3.636	3.472	3.501	3.421	3.420
UL	5.700	5.700	5.700	5.700	5.700

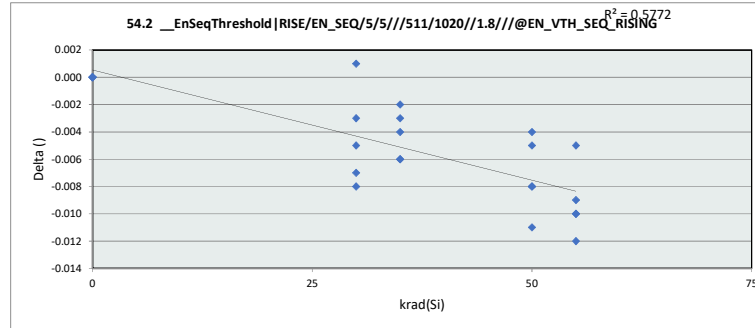


TID HDR Report

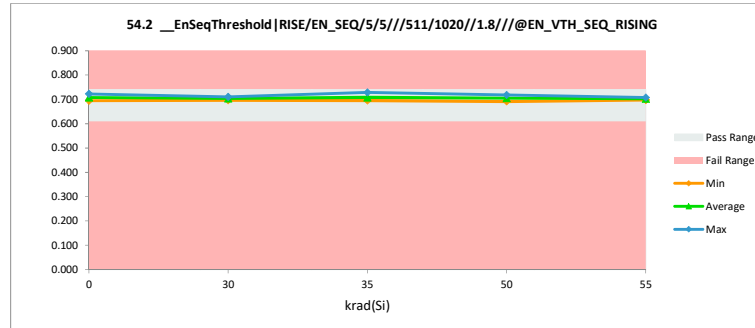
TPS7H4104-SEP

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

54.2 __EnSeqThreshold RISE/E				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.8	0.74		
Min Limit	0.61	0.61		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.694	0.694	0.000
0	2	0.722	0.722	0.000
0	3	0.707	0.707	0.000
30	11	0.699	0.706	-0.007
30	12	0.704	0.707	-0.003
30	13	0.705	0.710	-0.005
30	14	0.688	0.696	-0.008
30	15	0.699	0.698	0.001
35	16	0.693	0.699	-0.006
35	17	0.693	0.695	-0.002
35	18	0.724	0.728	-0.004
35	19	0.708	0.714	-0.006
35	20	0.701	0.704	-0.003
50	30	0.707	0.718	-0.011
50	31	0.700	0.708	-0.008
50	32	0.697	0.705	-0.008
50	33	0.686	0.691	-0.005
50	34	0.698	0.702	-0.004
55	40	0.698	0.707	-0.009
55	41	0.698	0.703	-0.005
55	42	0.687	0.699	-0.012
55	43	0.687	0.697	-0.010
55	44	0.696	0.706	-0.010
Max		0.724	0.728	0.001
Average		0.700	0.705	-0.005
Min		0.686	0.691	-0.012
Std Dev		0.010	0.009	0.004



54.2 __EnSeqThreshold RISE					
Test Site					
Tester					
Test Number					
Max Limit	0.74				
Min Limit	0.61				
krad(Si)	0	30	35	50	55
LL	0.610	0.610	0.610	0.610	0.610
Min	0.694	0.696	0.695	0.691	0.697
Average	0.708	0.704	0.708	0.705	0.703
Max	0.722	0.710	0.728	0.718	0.707
UL	0.740	0.740	0.740	0.740	0.740

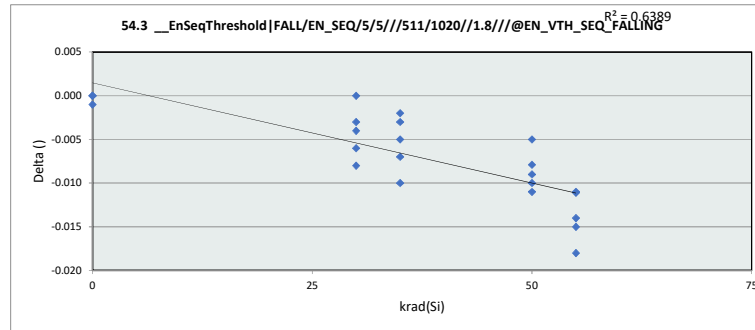


TID HDR Report

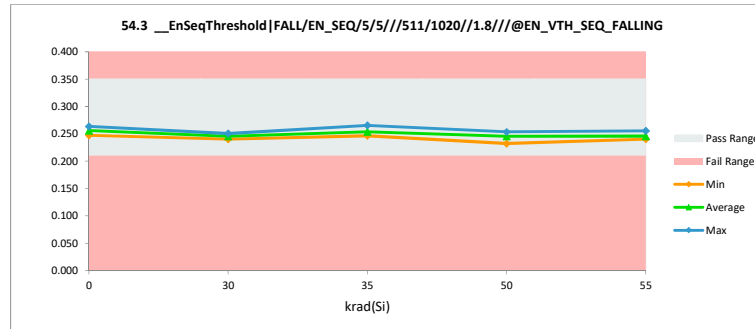
TPS7H4104-SEP

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

54.3 __EnSeqThreshold FALL/E				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.35	0.35		
Min Limit	0.17	0.21		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.248	0.248	0.000
0	2	0.262	0.264	-0.001
0	3	0.257	0.257	0.000
30	11	0.241	0.249	-0.008
30	12	0.237	0.241	-0.003
30	13	0.247	0.250	-0.004
30	14	0.242	0.248	-0.006
30	15	0.241	0.241	0.000
35	16	0.243	0.254	-0.010
35	17	0.244	0.250	-0.005
35	18	0.264	0.266	-0.002
35	19	0.248	0.255	-0.007
35	20	0.243	0.247	-0.003
50	30	0.243	0.254	-0.010
50	31	0.244	0.254	-0.009
50	32	0.235	0.247	-0.011
50	33	0.225	0.232	-0.008
50	34	0.236	0.242	-0.005
55	40	0.226	0.243	-0.018
55	41	0.235	0.245	-0.011
55	42	0.232	0.243	-0.011
55	43	0.226	0.241	-0.015
55	44	0.242	0.255	-0.014
Max		0.264	0.266	0.000
Average		0.242	0.249	-0.007
Min		0.225	0.232	-0.018
Std Dev		0.010	0.008	0.005



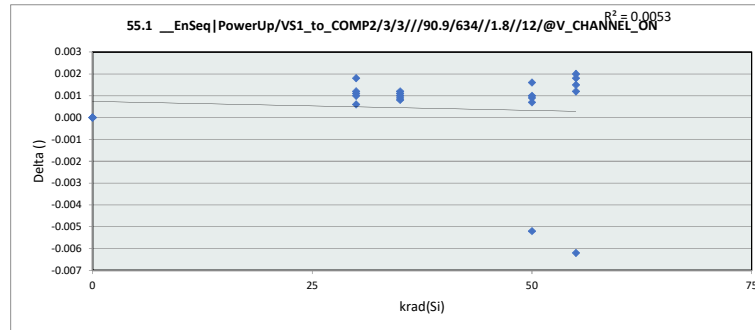
54.3 __EnSeqThreshold FALL/EN_SEQ/5/5//511/1020//1.8///@EN_VTH_SEQ_FALLING					
Test Site					
Tester					
Test Number					
Max Limit	0.35				
Min Limit	0.21				
krad(Si)	0	30	35	50	55
LL	0.210	0.210	0.210	0.210	0.210
Min	0.248	0.241	0.247	0.232	0.241
Average	0.256	0.246	0.254	0.245	0.246
Max	0.264	0.251	0.266	0.254	0.256
UL	0.350	0.350	0.350	0.350	0.350



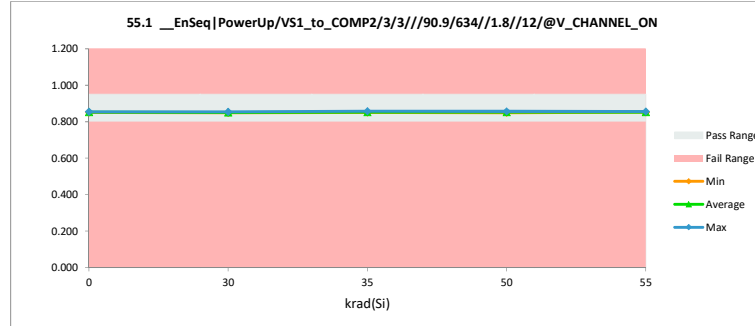
TID HDR Report TPS7H4104-SEP

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

55.1 __EnSeq PowerUp/Vs1_to				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.95	0.95	
Min Limit		0.8	0.8	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.851	0.851	0.000
0	2	0.855	0.855	0.000
0	3	0.852	0.852	0.000
30	11	0.855	0.854	0.001
30	12	0.850	0.849	0.001
30	13	0.850	0.849	0.001
30	14	0.855	0.853	0.002
30	15	0.850	0.850	0.001
35	16	0.858	0.857	0.001
35	17	0.851	0.850	0.001
35	18	0.853	0.852	0.001
35	19	0.851	0.850	0.001
35	20	0.852	0.851	0.001
50	30	0.850	0.849	0.001
50	31	0.851	0.856	-0.005
50	32	0.857	0.856	0.002
50	33	0.851	0.850	0.001
50	34	0.852	0.851	0.001
55	40	0.854	0.852	0.002
55	41	0.854	0.852	0.002
55	42	0.855	0.853	0.002
55	43	0.854	0.853	0.001
55	44	0.850	0.856	-0.006
Max		0.858	0.857	0.002
Average		0.853	0.852	0.000
Min		0.850	0.849	-0.006
Std Dev		0.002	0.003	0.002



55.1 __EnSeq PowerUp/Vs1					
Test Site					
Tester					
Test Number					
Max Limit		0.95			
Min Limit		0.8			
krad(Si)	0	30	35	50	55
LL	0.800	0.800	0.800	0.800	0.800
Min	0.851	0.849	0.850	0.849	0.852
Average	0.853	0.851	0.852	0.852	0.853
Max	0.855	0.854	0.857	0.856	0.856
UL	0.950	0.950	0.950	0.950	0.950

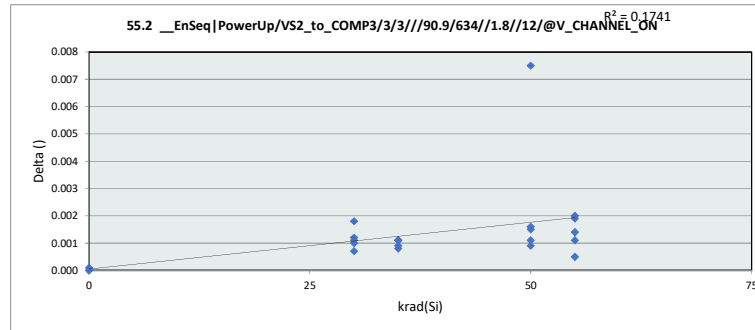


TID HDR Report

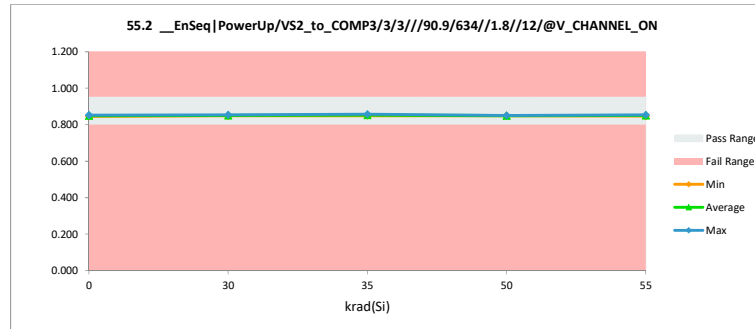
TPS7H4104-SEP

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

55.2 __EnSeq PowerUp/V52_to				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.95	0.95		
Min Limit	0.8	0.8		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.846	0.846	0.000
0	2	0.852	0.852	0.000
0	3	0.849	0.849	0.000
30	11	0.855	0.854	0.001
30	12	0.850	0.849	0.001
30	13	0.852	0.851	0.001
30	14	0.852	0.850	0.002
30	15	0.850	0.850	0.001
35	16	0.852	0.851	0.001
35	17	0.858	0.857	0.001
35	18	0.850	0.849	0.001
35	19	0.852	0.851	0.001
35	20	0.851	0.850	0.001
50	30	0.858	0.850	0.007
50	31	0.851	0.850	0.001
50	32	0.851	0.850	0.002
50	33	0.851	0.850	0.001
50	34	0.852	0.851	0.001
55	40	0.855	0.853	0.002
55	41	0.852	0.850	0.002
55	42	0.848	0.847	0.001
55	43	0.854	0.853	0.001
55	44	0.852	0.852	0.000
Max		0.858	0.857	0.007
Average		0.852	0.851	0.001
Min		0.846	0.846	0.000
Std Dev		0.003	0.002	0.001



55.2 __EnSeq PowerUp/V52					
Test Site					
Tester					
Test Number					
Max Limit	0.95				
Min Limit	0.8				
krad(Si)	0	30	35	50	55
LL	0.800	0.800	0.800	0.800	0.800
Min	0.846	0.849	0.849	0.850	0.847
Average	0.849	0.851	0.852	0.850	0.851
Max	0.852	0.854	0.857	0.851	0.853
UL	0.950	0.950	0.950	0.950	0.950

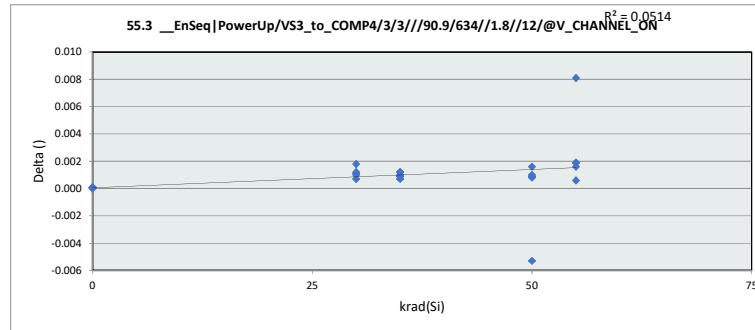


TID HDR Report

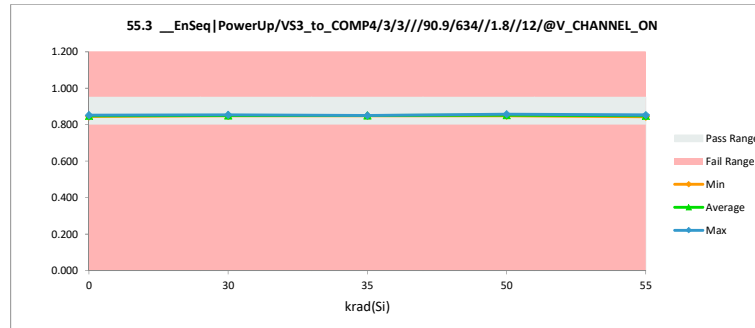
TPS7H4104-SEP

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

55.3 __EnSeq PowerUp/V53_to				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.95	0.95	
Min Limit		0.8	0.8	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.845	0.845	0.000
0	2	0.853	0.853	0.000
0	3	0.850	0.850	0.000
30	11	0.855	0.854	0.001
30	12	0.852	0.851	0.001
30	13	0.851	0.850	0.001
30	14	0.851	0.849	0.002
30	15	0.851	0.851	0.001
35	16	0.852	0.851	0.001
35	17	0.852	0.851	0.001
35	18	0.852	0.851	0.001
35	19	0.852	0.851	0.001
35	20	0.850	0.850	0.001
50	30	0.851	0.850	0.001
50	31	0.853	0.858	-0.005
50	32	0.851	0.850	0.002
50	33	0.851	0.850	0.001
50	34	0.852	0.851	0.001
55	40	0.855	0.853	0.002
55	41	0.851	0.850	0.002
55	42	0.854	0.852	0.002
55	43	0.852	0.844	0.008
55	44	0.850	0.850	0.001
	Max	0.855	0.858	0.008
	Average	0.852	0.851	0.001
	Min	0.845	0.844	-0.005
	Std Dev	0.002	0.003	0.002



55.3 __EnSeq PowerUp/V53					
Test Site					
Tester					
Test Number					
Max Limit		0.95			
Min Limit		0.8			
krad(Si)	0	30	35	50	55
LL	0.800	0.800	0.800	0.800	0.800
Min	0.845	0.849	0.850	0.850	0.844
Average	0.849	0.851	0.851	0.852	0.850
Max	0.853	0.854	0.851	0.858	0.853
UL	0.950	0.950	0.950	0.950	0.950

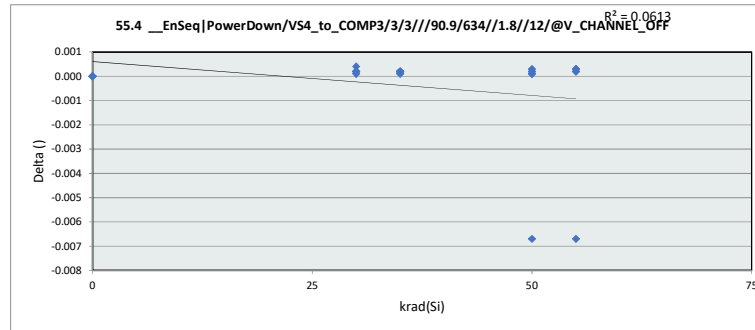


TID HDR Report

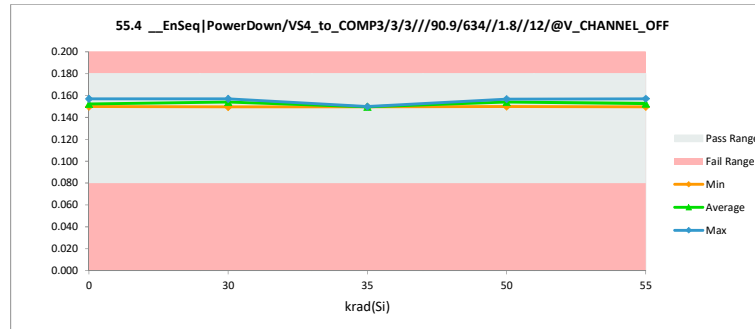
TPS7H4104-SEP

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

55.4 __EnSeq PowerDown/VS4				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.18	0.18		
Min Limit	0.08	0.08		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.150	0.150	0.000
0	2	0.157	0.157	0.000
0	3	0.150	0.150	0.000
30	11	0.151	0.151	0.000
30	12	0.156	0.156	0.000
30	13	0.150	0.150	0.000
30	14	0.157	0.157	0.000
30	15	0.157	0.157	0.000
35	16	0.150	0.150	0.000
35	17	0.150	0.150	0.000
35	18	0.150	0.150	0.000
35	19	0.150	0.150	0.000
35	20	0.150	0.150	0.000
50	30	0.150	0.150	0.000
50	31	0.157	0.157	0.000
50	32	0.157	0.157	0.000
50	33	0.143	0.150	-0.007
50	34	0.157	0.157	0.000
55	40	0.150	0.150	0.000
55	41	0.150	0.150	0.000
55	42	0.157	0.157	0.000
55	43	0.150	0.150	0.000
55	44	0.150	0.156	-0.007
Max		0.157	0.157	0.000
Average		0.152	0.153	0.000
Min		0.143	0.150	-0.007
Std Dev		0.004	0.003	0.002



55.4 __EnSeq PowerDown/VS4					
Test Site					
Tester					
Test Number					
Max Limit	0.18				
Min Limit	0.08				
krad(Si)	0	30	35	50	55
LL	0.080	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.150	0.150
Average	0.152	0.154	0.150	0.154	0.153
Max	0.157	0.157	0.150	0.157	0.157
UL	0.180	0.180	0.180	0.180	0.180

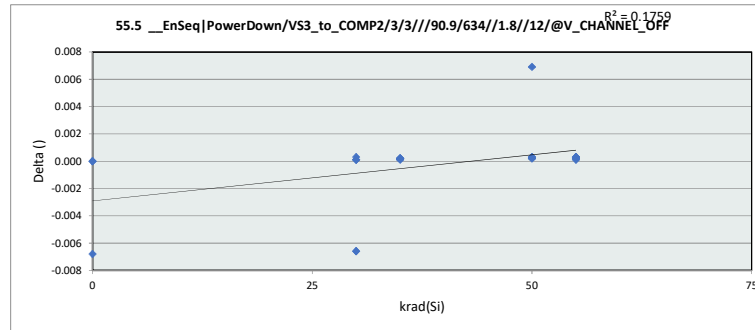


TID HDR Report

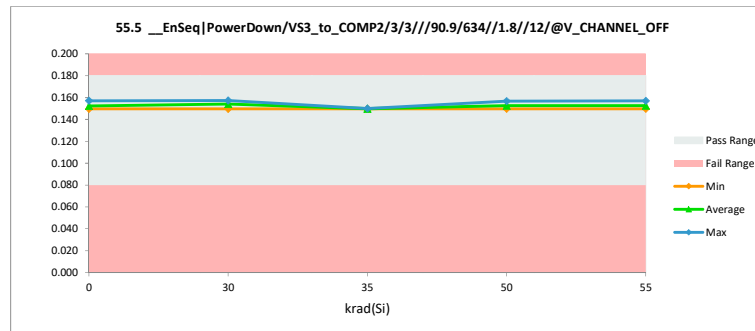
TPS7H4104-SEP

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

55.5 __EnSeq PowerDown/V53				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.18	0.18		
Min Limit	0.08	0.08		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.150	0.150	0.000
0	2	0.150	0.157	-0.007
0	3	0.150	0.150	0.000
30	11	0.151	0.157	-0.007
30	12	0.157	0.157	0.000
30	13	0.150	0.156	-0.007
30	14	0.150	0.150	0.000
30	15	0.150	0.150	0.000
35	16	0.150	0.150	0.000
35	17	0.150	0.150	0.000
35	18	0.150	0.150	0.000
35	19	0.150	0.150	0.000
35	20	0.150	0.150	0.000
50	30	0.157	0.150	0.007
50	31	0.157	0.157	0.000
50	32	0.150	0.150	0.000
50	33	0.150	0.150	0.000
50	34	0.157	0.157	0.000
55	40	0.150	0.150	0.000
55	41	0.150	0.150	0.000
55	42	0.157	0.157	0.000
55	43	0.150	0.150	0.000
55	44	0.156	0.156	0.000
Max		0.157	0.157	0.007
Average		0.152	0.152	0.000
Min		0.150	0.150	-0.007
Std Dev		0.003	0.003	0.003



55.5 __EnSeq PowerDown/V53					
Test Site					
Tester					
Test Number					
Max Limit	0.18				
Min Limit	0.08				
krad(Si)	0	30	35	50	55
LL	0.080	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.150	0.150
Average	0.152	0.154	0.150	0.152	0.153
Max	0.157	0.157	0.150	0.157	0.157
UL	0.180	0.180	0.180	0.180	0.180

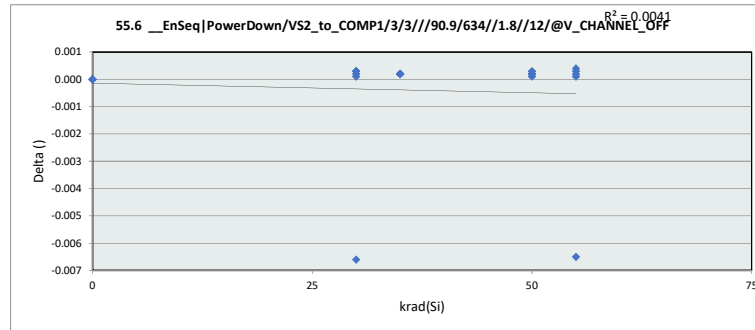


TID HDR Report

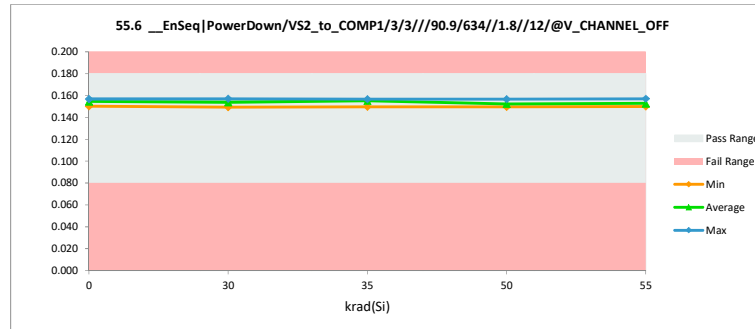
TPS7H4104-SEP

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

55.6 __EnSeq PowerDown/V52				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.18	0.18		
Min Limit	0.08	0.08		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.150	0.150	0.000
0	2	0.157	0.157	0.000
0	3	0.156	0.156	0.000
30	11	0.150	0.157	-0.007
30	12	0.150	0.149	0.000
30	13	0.157	0.157	0.000
30	14	0.157	0.157	0.000
30	15	0.150	0.150	0.000
35	16	0.157	0.157	0.000
35	17	0.157	0.157	0.000
35	18	0.157	0.156	0.000
35	19	0.157	0.157	0.000
35	20	0.150	0.150	0.000
50	30	0.157	0.156	0.000
50	31	0.150	0.150	0.000
50	32	0.150	0.150	0.000
50	33	0.150	0.150	0.000
50	34	0.157	0.157	0.000
55	40	0.151	0.150	0.000
55	41	0.150	0.157	-0.007
55	42	0.151	0.150	0.000
55	43	0.157	0.157	0.000
55	44	0.150	0.150	0.000
Max		0.157	0.157	0.000
Average		0.153	0.154	0.000
Min		0.150	0.149	-0.007
Std Dev		0.003	0.003	0.002



55.6 __EnSeq PowerDown/V52					
Test Site					
Tester					
Test Number					
Max Limit	0.18				
Min Limit	0.08				
krad(Si)	0	30	35	50	55
LL	0.080	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.150	0.150
Average	0.155	0.154	0.155	0.152	0.153
Max	0.157	0.157	0.157	0.157	0.157
UL	0.180	0.180	0.180	0.180	0.180

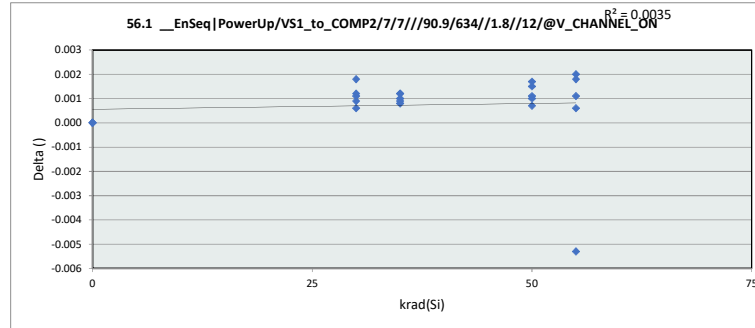


TID HDR Report

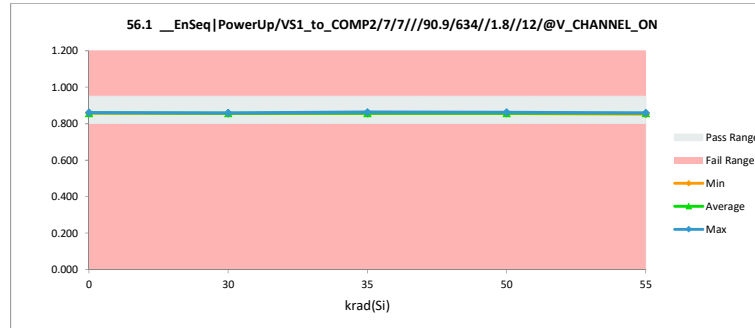
TPS7H4104-SEP

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

56.1 __EnSeq PowerUp/Vs1_to				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.95	0.95		
Min Limit	0.8	0.8		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.857	0.857	0.000
0	2	0.861	0.861	0.000
0	3	0.858	0.858	0.000
30	11	0.861	0.860	0.001
30	12	0.857	0.856	0.001
30	13	0.857	0.855	0.001
30	14	0.862	0.860	0.002
30	15	0.857	0.856	0.001
35	16	0.864	0.864	0.001
35	17	0.858	0.857	0.001
35	18	0.859	0.858	0.001
35	19	0.857	0.856	0.001
35	20	0.858	0.857	0.001
50	30	0.856	0.855	0.001
50	31	0.858	0.856	0.002
50	32	0.864	0.862	0.002
50	33	0.858	0.856	0.001
50	34	0.859	0.858	0.001
55	40	0.861	0.859	0.002
55	41	0.860	0.858	0.002
55	42	0.854	0.860	-0.005
55	43	0.854	0.853	0.001
55	44	0.857	0.856	0.001
Max		0.864	0.864	0.002
Average		0.858	0.858	0.001
Min		0.854	0.853	-0.005
Std Dev		0.003	0.002	0.001



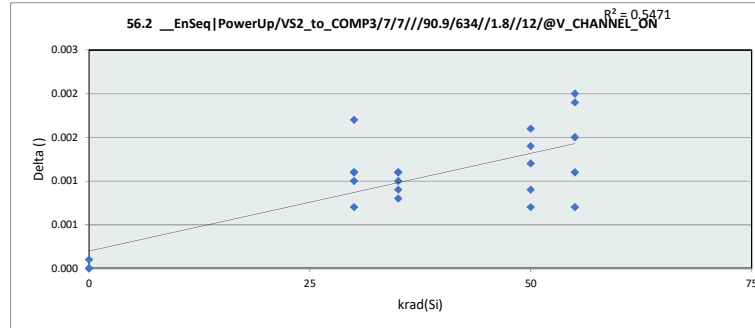
56.1 __EnSeq PowerUp/Vs1					
Test Site					
Tester					
Test Number					
Max Limit	0.95				
Min Limit	0.8				
krad(Si)	0	30	35	50	55
LL	0.800	0.800	0.800	0.800	0.800
Min	0.857	0.856	0.856	0.855	0.853
Average	0.859	0.857	0.858	0.858	0.857
Max	0.861	0.860	0.864	0.862	0.860
UL	0.950	0.950	0.950	0.950	0.950



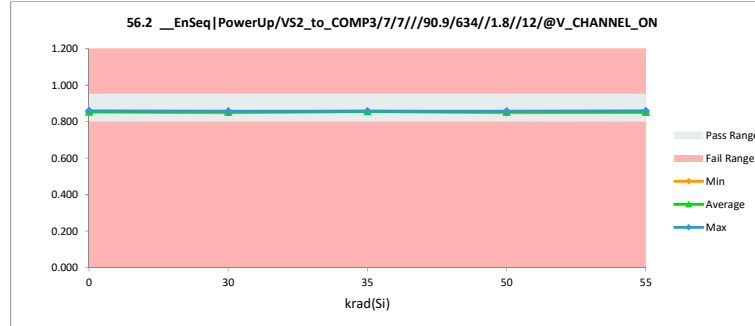
TID HDR Report
TPS7H4104-SEP

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

56.2 __EnSeq PowerUp/V52_to				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.95	0.95	
Min Limit		0.8	0.8	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.853	0.853	0.000
0	2	0.859	0.859	0.000
0	3	0.856	0.856	0.000
30	11	0.854	0.853	0.001
30	12	0.857	0.855	0.001
30	13	0.859	0.857	0.001
30	14	0.859	0.857	0.002
30	15	0.850	0.850	0.001
35	16	0.858	0.858	0.001
35	17	0.858	0.857	0.001
35	18	0.857	0.856	0.001
35	19	0.858	0.857	0.001
35	20	0.858	0.857	0.001
50	30	0.857	0.856	0.001
50	31	0.851	0.850	0.001
50	32	0.858	0.856	0.002
50	33	0.851	0.850	0.001
50	34	0.858	0.857	0.001
55	40	0.855	0.853	0.002
55	41	0.859	0.857	0.002
55	42	0.854	0.853	0.002
55	43	0.861	0.859	0.001
55	44	0.852	0.851	0.001
	Max	0.861	0.859	0.002
	Average	0.856	0.855	0.001
	Min	0.850	0.850	0.000
	Std Dev	0.003	0.003	0.001



56.2 __EnSeq PowerUp/V52					
Test Site					
Tester					
Test Number					
Max Limit		0.95			
Min Limit		0.8			
krad(Si)	0	30	35	50	55
LL	0.800	0.800	0.800	0.800	0.800
Min	0.853	0.850	0.856	0.850	0.851
Average	0.856	0.855	0.857	0.854	0.855
Max	0.859	0.857	0.858	0.857	0.860
UL	0.950	0.950	0.950	0.950	0.950

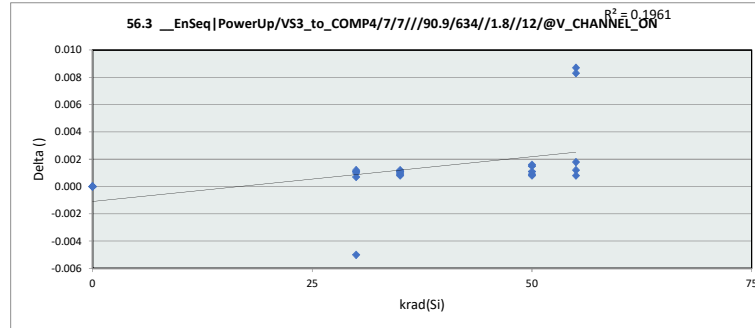


TID HDR Report

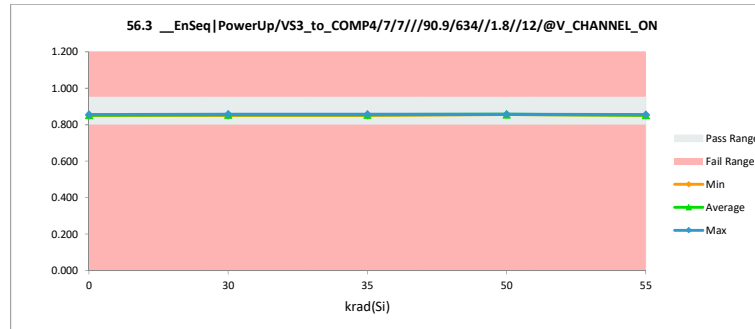
TPS7H4104-SEP

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

56.3 __EnSeq PowerUp/V53_to				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.95	0.95	
Min Limit		0.8	0.8	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.851	0.851	0.000
0	2	0.852	0.852	0.000
0	3	0.856	0.856	0.000
30	11	0.855	0.854	0.001
30	12	0.859	0.858	0.001
30	13	0.858	0.857	0.001
30	14	0.851	0.856	-0.005
30	15	0.851	0.850	0.001
35	16	0.858	0.858	0.001
35	17	0.852	0.851	0.001
35	18	0.852	0.851	0.001
35	19	0.859	0.858	0.001
35	20	0.857	0.856	0.001
50	30	0.857	0.856	0.001
50	31	0.859	0.858	0.002
50	32	0.858	0.856	0.002
50	33	0.858	0.857	0.001
50	34	0.859	0.858	0.001
55	40	0.861	0.853	0.009
55	41	0.858	0.856	0.002
55	42	0.860	0.852	0.008
55	43	0.852	0.851	0.001
55	44	0.857	0.856	0.001
Max		0.861	0.858	0.009
Average		0.856	0.855	0.001
Min		0.851	0.850	-0.005
Std Dev		0.003	0.003	0.003



56.3 __EnSeq PowerUp/V53					
Test Site					
Tester					
Test Number					
Max Limit		0.95			
Min Limit		0.8			
krad(Si)	0	30	35	50	55
LL	0.800	0.800	0.800	0.800	0.800
Min	0.851	0.850	0.851	0.856	0.851
Average	0.853	0.855	0.855	0.857	0.853
Max	0.856	0.858	0.858	0.858	0.856
UL	0.950	0.950	0.950	0.950	0.950

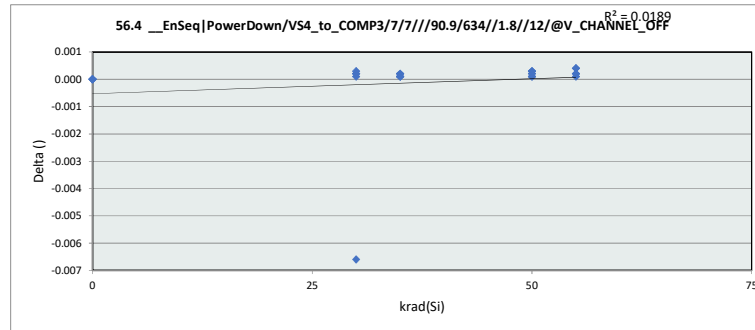


TID HDR Report

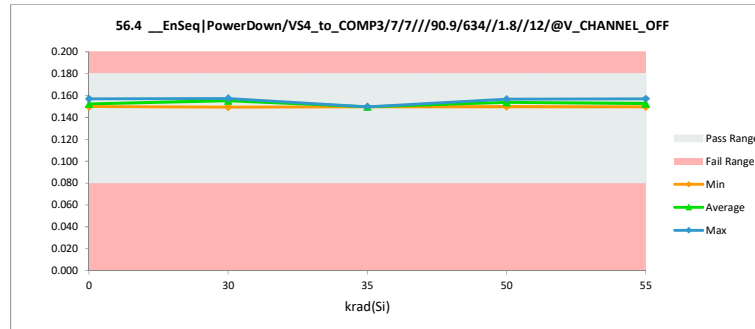
TPS7H4104-SEP

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

56.4 __EnSeq PowerDown/VS4				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.18	0.18		
Min Limit	0.08	0.08		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.150	0.150	0.000
0	2	0.157	0.157	0.000
0	3	0.150	0.150	0.000
30	11	0.151	0.157	-0.007
30	12	0.156	0.156	0.000
30	13	0.150	0.149	0.000
30	14	0.157	0.157	0.000
30	15	0.157	0.157	0.000
35	16	0.150	0.150	0.000
35	17	0.150	0.150	0.000
35	18	0.150	0.150	0.000
35	19	0.150	0.150	0.000
35	20	0.150	0.150	0.000
50	30	0.150	0.150	0.000
50	31	0.157	0.157	0.000
50	32	0.157	0.157	0.000
50	33	0.150	0.150	0.000
50	34	0.157	0.157	0.000
55	40	0.150	0.150	0.000
55	41	0.150	0.150	0.000
55	42	0.157	0.157	0.000
55	43	0.150	0.150	0.000
55	44	0.157	0.156	0.000
Max		0.157	0.157	0.000
Average		0.153	0.153	0.000
Min		0.150	0.149	-0.007
Std Dev		0.003	0.004	0.001



56.4 __EnSeq PowerDown/VS4					
Test Site					
Tester					
Test Number					
Max Limit	0.18				
Min Limit	0.08				
krad(Si)	0	30	35	50	55
LL	0.080	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.150	0.150
Average	0.152	0.155	0.150	0.154	0.153
Max	0.157	0.157	0.150	0.157	0.157
UL	0.180	0.180	0.180	0.180	0.180

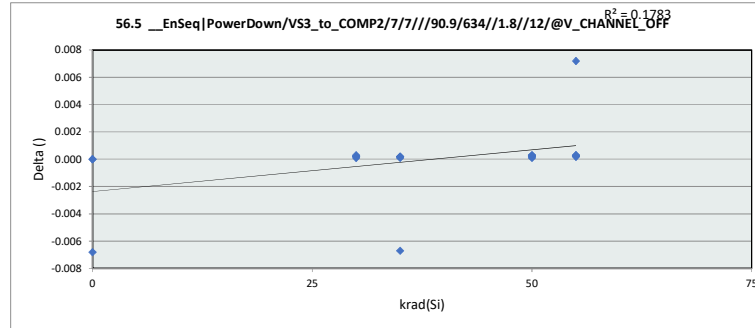


TID HDR Report

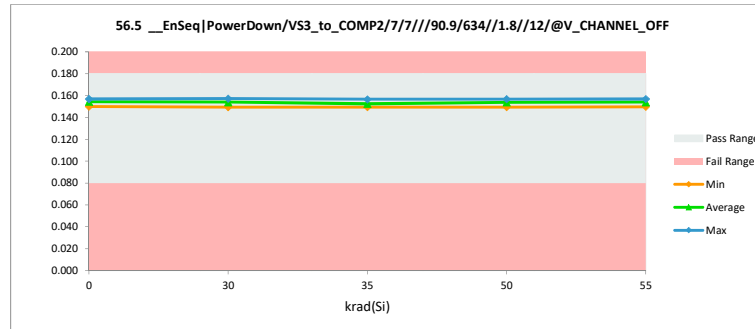
TPS7H4104-SEP

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

56.5 __EnSeq PowerDown/V53				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.18	0.18		
Min Limit	0.08	0.08		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.150	0.150	0.000
0	2	0.157	0.157	0.000
0	3	0.150	0.156	-0.007
30	11	0.157	0.157	0.000
30	12	0.157	0.157	0.000
30	13	0.157	0.156	0.000
30	14	0.150	0.149	0.000
30	15	0.150	0.150	0.000
35	16	0.150	0.157	-0.007
35	17	0.150	0.150	0.000
35	18	0.150	0.150	0.000
35	19	0.157	0.157	0.000
35	20	0.150	0.149	0.000
50	30	0.157	0.156	0.000
50	31	0.157	0.157	0.000
50	32	0.150	0.149	0.000
50	33	0.150	0.150	0.000
50	34	0.157	0.157	0.000
55	40	0.157	0.150	0.007
55	41	0.157	0.156	0.000
55	42	0.157	0.157	0.000
55	43	0.150	0.150	0.000
55	44	0.156	0.156	0.000
Max		0.157	0.157	0.007
Average		0.154	0.154	0.000
Min		0.150	0.149	-0.007
Std Dev		0.004	0.003	0.003



56.5 __EnSeq PowerDown/V53					
Test Site					
Tester					
Test Number					
Max Limit	0.18				
Min Limit	0.08				
krad(Si)	0	30	35	50	55
LL	0.080	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.150	0.150
Average	0.154	0.154	0.152	0.154	0.154
Max	0.157	0.157	0.157	0.157	0.157
UL	0.180	0.180	0.180	0.180	0.180

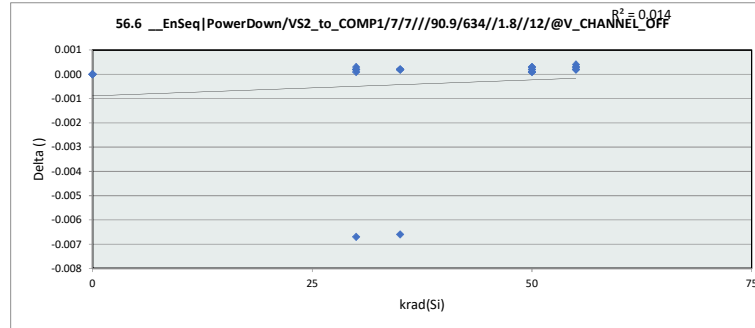


TID HDR Report

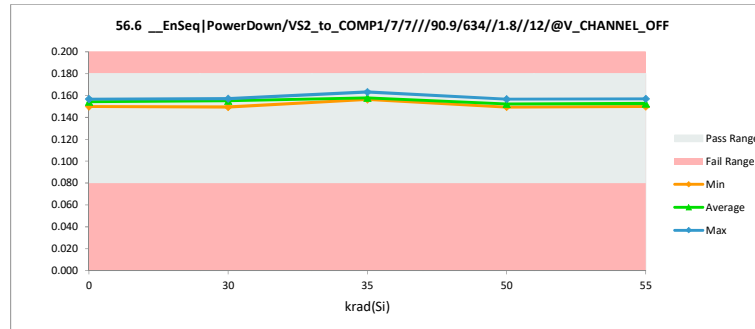
TPS7H4104-SEP

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

56.6 __EnSeq PowerDown/Vs2				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.18	0.18		
Min Limit	0.08	0.08		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.150	0.150	0.000
0	2	0.157	0.157	0.000
0	3	0.156	0.156	0.000
30	11	0.157	0.157	0.000
30	12	0.150	0.156	-0.007
30	13	0.157	0.157	0.000
30	14	0.157	0.156	0.000
30	15	0.150	0.150	0.000
35	16	0.157	0.157	0.000
35	17	0.157	0.163	-0.007
35	18	0.156	0.156	0.000
35	19	0.157	0.157	0.000
35	20	0.157	0.156	0.000
50	30	0.156	0.156	0.000
50	31	0.150	0.150	0.000
50	32	0.150	0.149	0.000
50	33	0.150	0.150	0.000
50	34	0.157	0.157	0.000
55	40	0.150	0.150	0.000
55	41	0.157	0.156	0.000
55	42	0.150	0.150	0.000
55	43	0.157	0.157	0.000
55	44	0.150	0.150	0.000
	Max	0.157	0.163	0.000
	Average	0.154	0.155	0.000
	Min	0.150	0.149	-0.007
	Std Dev	0.003	0.004	0.002



56.6 __EnSeq PowerDown/Vs2					
Test Site					
Tester					
Test Number					
Max Limit	0.18				
Min Limit	0.08				
krad(Si)	0	30	35	50	55
LL	0.080	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.156	0.150	0.150
Average	0.154	0.155	0.158	0.152	0.153
Max	0.157	0.157	0.163	0.157	0.157
UL	0.180	0.180	0.180	0.180	0.180

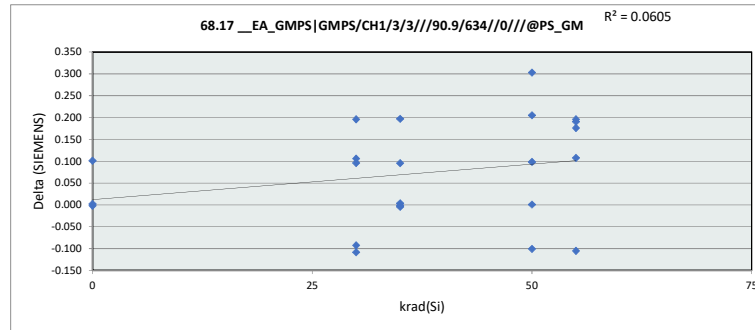


TID HDR Report

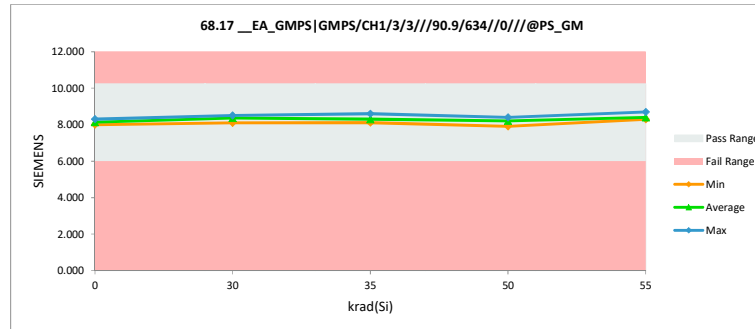
TPS7H4104-SEP

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

68.17 __EA_GMPS GMPS/CH1/3				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	8.001	8.003	-0.002
0	2	8.111	8.109	0.002
0	3	8.406	8.306	0.101
30	11	8.605	8.509	0.096
30	12	8.206	8.299	-0.093
30	13	8.699	8.503	0.196
30	14	8.308	8.416	-0.108
30	15	8.205	8.099	0.106
35	16	8.308	8.111	0.197
35	17	8.302	8.307	-0.004
35	18	8.294	8.291	0.003
35	19	8.601	8.603	-0.001
35	20	8.302	8.207	0.095
50	30	8.501	8.296	0.205
50	31	8.310	8.309	0.001
50	32	8.010	8.111	-0.101
50	33	8.500	8.401	0.098
50	34	8.208	7.904	0.303
55	40	8.596	8.701	-0.105
55	41	8.496	8.300	0.196
55	42	8.404	8.296	0.107
55	43	8.593	8.417	0.176
55	44	8.497	8.307	0.190
Max		8.699	8.701	0.303
Average		8.368	8.296	0.072
Min		8.001	7.904	-0.108
Std Dev		0.194	0.188	0.117



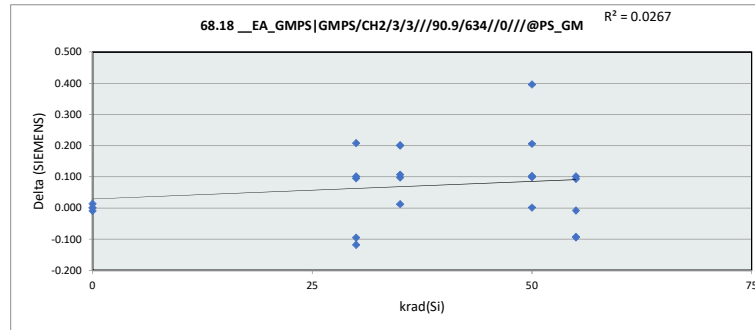
68.17 __EA_GMPS GMPS/CH1					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	8.003	8.099	8.111	7.904	8.296
Average	8.139	8.365	8.304	8.204	8.404
Max	8.306	8.509	8.603	8.402	8.701
UL	10.230	10.230	10.230	10.230	10.230



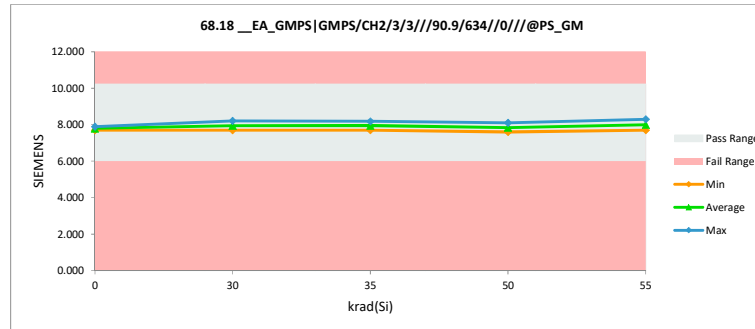
TID HDR Report TPS7H4104-SEP

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

68.18 __EA_GMPS GMPS/CH2/3				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	7.699	7.698	0.001
0	2	7.797	7.806	-0.009
0	3	7.907	7.894	0.014
30	11	8.094	8.212	-0.118
30	12	7.907	7.699	0.208
30	13	8.200	8.104	0.095
30	14	7.899	7.994	-0.094
30	15	7.808	7.707	0.101
35	16	8.098	8.000	0.098
35	17	8.002	7.990	0.012
35	18	7.903	7.702	0.202
35	19	8.293	8.186	0.107
35	20	8.101	7.900	0.200
50	30	7.898	7.897	0.002
50	31	8.009	7.906	0.103
50	32	7.999	7.603	0.396
50	33	8.309	8.103	0.206
50	34	7.799	7.701	0.099
55	40	8.108	8.202	-0.094
55	41	8.204	8.296	-0.093
55	42	7.801	7.699	0.101
55	43	7.693	7.701	-0.008
55	44	8.190	8.096	0.094
Max		8.309	8.296	0.396
Average		7.988	7.917	0.071
Min		7.693	7.603	-0.118
Std Dev		0.182	0.207	0.122



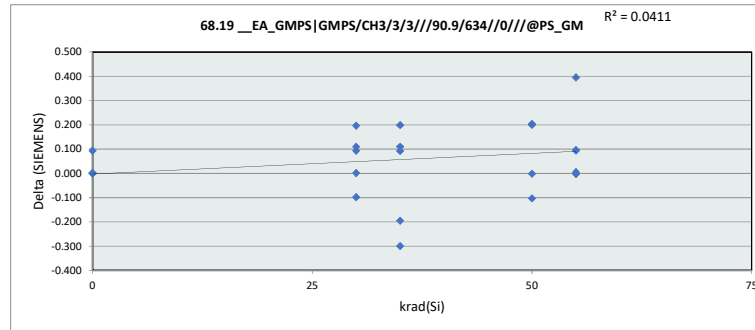
68.18 __EA_GMPS GMPS/CH2					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	7.698	7.699	7.702	7.603	7.699
Average	7.799	7.943	7.956	7.842	7.999
Max	7.894	8.212	8.186	8.103	8.296
UL	10.230	10.230	10.230	10.230	10.230



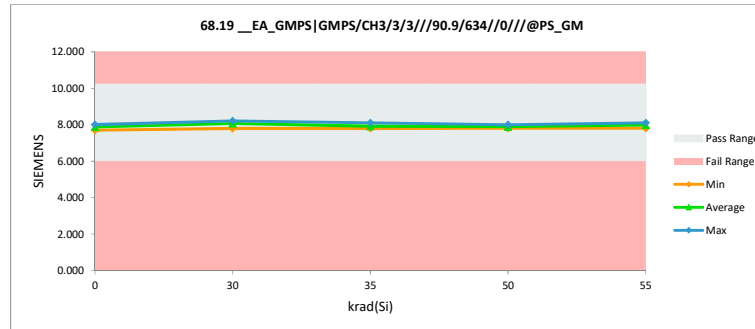
TID HDR Report TPS7H4104-SEP

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

68.19 __EA_GMPS GMPS/CH3/3				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	7.702	7.703	-0.001
0	2	8.006	8.004	0.002
0	3	7.998	7.905	0.093
30	11	8.312	8.203	0.109
30	12	7.995	7.901	0.093
30	13	8.209	8.208	0.001
30	14	8.400	8.204	0.196
30	15	7.700	7.797	-0.098
35	16	7.904	8.099	-0.195
35	17	7.991	7.899	0.092
35	18	7.701	8.000	-0.299
35	19	7.906	7.796	0.110
35	20	8.001	7.803	0.198
50	30	7.901	7.903	-0.002
50	31	8.105	7.903	0.202
50	32	8.001	7.801	0.200
50	33	7.802	7.905	-0.103
50	34	8.203	8.000	0.203
55	40	8.104	8.099	0.005
55	41	8.499	8.104	0.395
55	42	7.897	7.801	0.096
55	43	7.998	7.904	0.095
55	44	7.997	8.000	-0.003
Max		8.499	8.208	0.395
Average		8.014	7.954	0.060
Min		7.700	7.703	-0.299
Std Dev		0.208	0.145	0.149



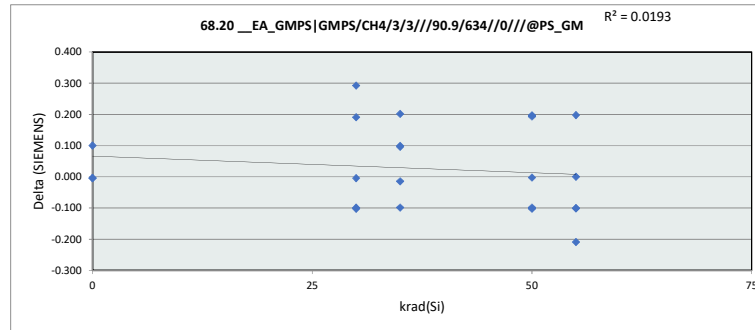
68.19 __EA_GMPS GMPS/CH3					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	7.703	7.797	7.796	7.801	7.801
Average	7.871	8.063	7.919	7.902	7.982
Max	8.004	8.208	8.099	8.000	8.104
UL	10.230	10.230	10.230	10.230	10.230



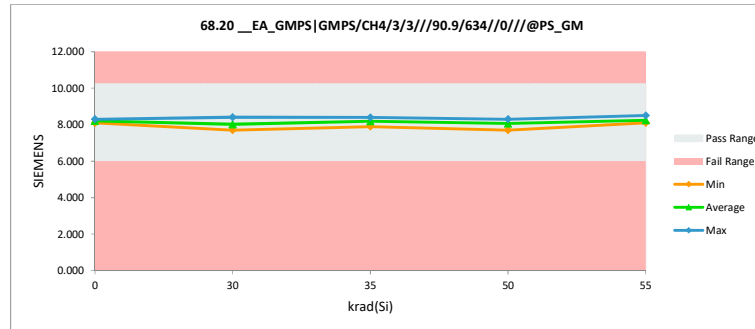
TID HDR Report TPS7H4104-SEP

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

68.20 __EA_GMPS GMPS/CH4/3				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	8.207	8.211	-0.004
0	2	8.403	8.303	0.100
0	3	8.099	8.103	-0.004
30	11	8.193	7.901	0.292
30	12	8.197	8.007	0.191
30	13	8.302	8.404	-0.103
30	14	8.006	8.105	-0.099
30	15	7.698	7.703	-0.004
35	16	8.205	8.107	0.099
35	17	8.302	8.205	0.096
35	18	8.103	7.901	0.201
35	19	8.291	8.306	-0.015
35	20	8.297	8.396	-0.099
50	30	8.203	8.306	-0.103
50	31	8.205	8.304	-0.099
50	32	8.100	7.903	0.197
50	33	8.097	8.100	-0.003
50	34	7.897	7.704	0.193
55	40	8.294	8.503	-0.209
55	41	8.099	8.200	-0.102
55	42	8.000	8.100	-0.100
55	43	8.203	8.203	0.000
55	44	8.399	8.201	0.197
Max		8.403	8.503	0.292
Average		8.165	8.138	0.027
Min		7.698	7.703	-0.209
Std Dev		0.161	0.210	0.136



68.20 __EA_GMPS GMPS/CH4					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	8.103	7.703	7.901	7.704	8.100
Average	8.205	8.024	8.183	8.063	8.242
Max	8.303	8.404	8.396	8.306	8.503
UL	10.230	10.230	10.230	10.230	10.230

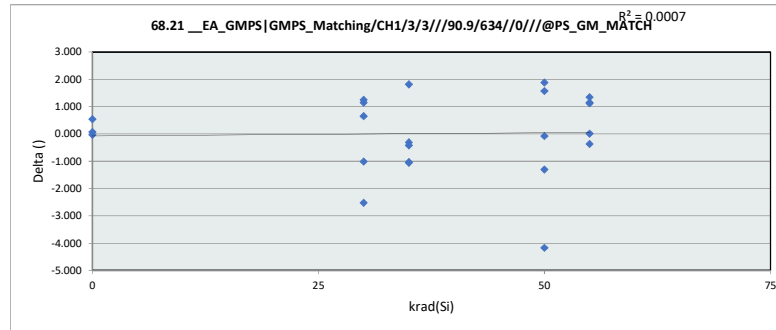


TID HDR Report

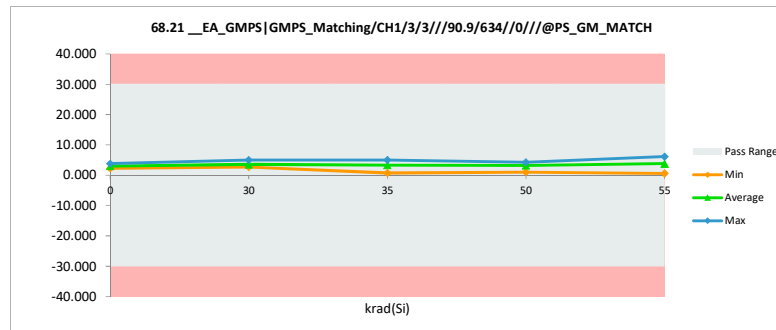
TPS7H4104-SEP

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

68.21 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.900	2.930	-0.030
0	2	2.320	2.250	0.070
0	3	4.360	3.820	0.540
30	11	3.970	2.720	1.250
30	12	2.530	5.050	-2.520
30	13	4.470	3.320	1.150
30	14	2.230	3.240	-1.010
30	15	4.120	3.470	0.650
35	16	2.540	0.720	1.820
35	17	2.820	3.240	-0.420
35	18	4.330	4.640	-0.310
35	19	3.960	5.010	-1.050
35	20	2.170	3.200	-1.030
50	30	5.610	3.730	1.880
50	31	2.490	3.790	-1.300
50	32	0.090	4.260	-4.170
50	33	3.280	3.360	-0.080
50	34	2.570	1.000	1.570
55	40	4.460	4.830	-0.370
55	41	1.740	0.620	1.120
55	42	5.370	5.360	0.010
55	43	7.490	6.140	1.350
55	44	3.390	2.240	1.150
Max		7.490	6.140	1.880
Average		3.444	3.432	0.012
Min		0.090	0.620	-4.170
Std Dev		1.538	1.439	1.451



68.21 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	2.250	2.720	0.720	1.000	0.620
Average	3.000	3.560	3.362	3.228	3.838
Max	3.820	5.050	5.010	4.260	6.140
UL	30.000	30.000	30.000	30.000	30.000

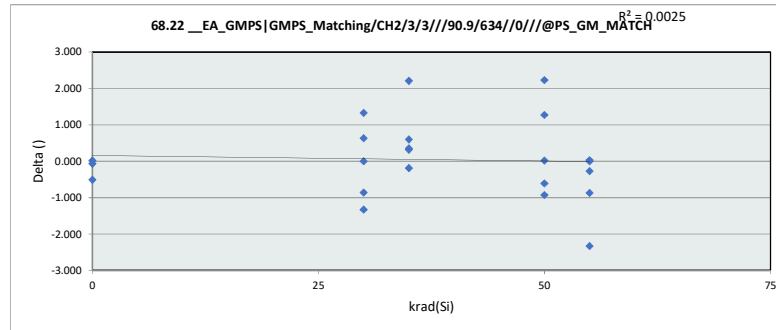


TID HDR Report

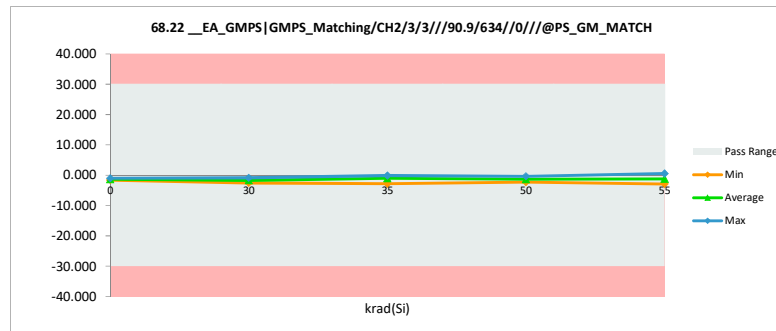
TPS7H4104-SEP

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

68.22 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.980	-1.000	0.020
0	2	-1.650	-1.580	-0.070
0	3	-1.830	-1.320	-0.510
30	11	-2.200	-0.870	-1.330
30	12	-1.210	-2.540	1.330
30	13	-1.530	-1.530	0.000
30	14	-2.800	-1.940	-0.860
30	15	-0.910	-1.540	0.630
35	16	-0.050	-0.650	0.600
35	17	-0.890	-0.700	-0.190
35	18	-0.590	-2.800	2.210
35	19	0.240	-0.080	0.320
35	20	-0.310	-0.660	0.350
50	30	-1.880	-1.270	-0.610
50	31	-1.230	-1.250	0.020
50	32	-0.040	-2.270	2.230
50	33	0.960	-0.310	1.270
50	34	-2.540	-1.610	-0.930
55	40	-1.470	-1.200	-0.270
55	41	-1.760	0.570	-2.330
55	42	-2.190	-2.220	0.030
55	43	-3.770	-2.900	-0.870
55	44	-0.350	-0.350	0.000
Max		0.960	0.570	2.230
Average		-1.260	-1.305	0.045
Min		-3.770	-2.900	-2.330
Std Dev		1.086	0.884	1.055



68.22 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-1.580	-2.540	-2.800	-2.270	-2.900
Average	-1.300	-1.684	-0.978	-1.342	-1.220
Max	-1.000	-0.870	-0.080	-0.310	0.570
UL	30.000	30.000	30.000	30.000	30.000

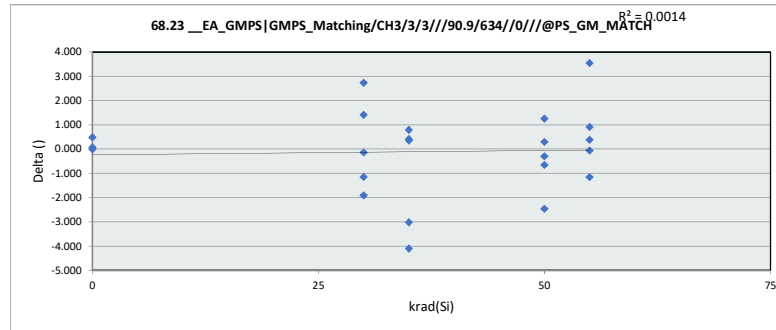


TID HDR Report

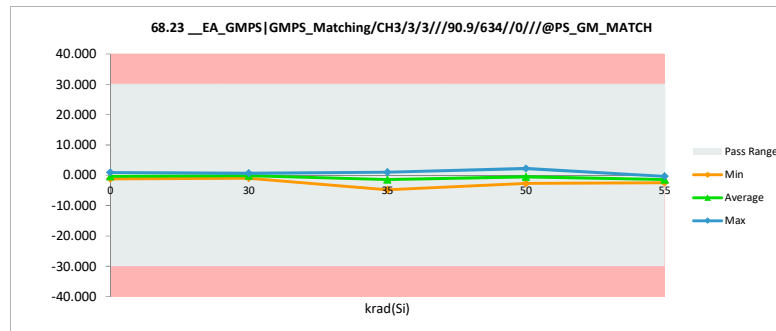
TPS7H4104-SEP

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

68.23 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.940	-0.930	-0.010
0	2	0.990	0.920	0.070
0	3	-0.700	-1.180	0.480
30	11	0.430	-0.980	1.410
30	12	-0.120	0.020	-0.140
30	13	-1.410	-0.260	-1.150
30	14	3.370	0.640	2.730
30	15	-2.300	-0.390	-1.910
35	16	-2.450	0.570	-3.020
35	17	-1.040	-1.830	0.790
35	18	-3.140	0.960	-4.100
35	19	-4.440	-4.840	0.400
35	20	-1.540	-1.890	0.350
50	30	-1.850	-1.190	-0.660
50	31	-0.040	-1.290	1.250
50	32	-0.020	0.280	-0.300
50	33	-5.200	-2.740	-2.460
50	34	2.510	2.220	0.290
55	40	-1.520	-2.430	0.910
55	41	1.780	-1.760	3.540
55	42	-0.980	-0.920	-0.060
55	43	0.050	-0.330	0.380
55	44	-2.700	-1.540	-1.160
Max		3.370	2.220	3.540
Average		-0.924	-0.821	-0.103
Min		-5.200	-4.840	-4.100
Std Dev		2.034	1.488	1.710



68.23 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-1.180	-0.980	-4.840	-2.740	-2.430
Average	-0.397	-0.194	-1.406	-0.544	-1.396
Max	0.920	0.640	0.960	2.220	-0.330
UL	30.000	30.000	30.000	30.000	30.000

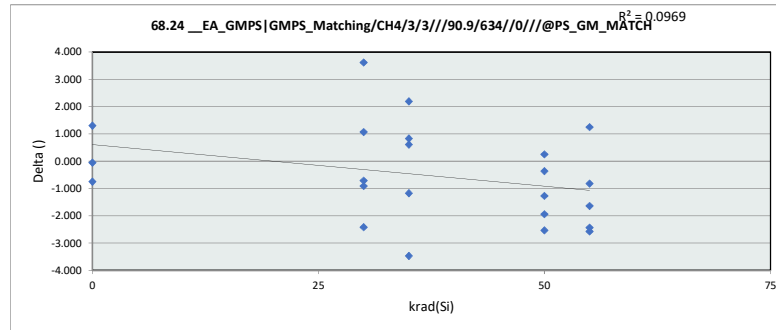


TID HDR Report

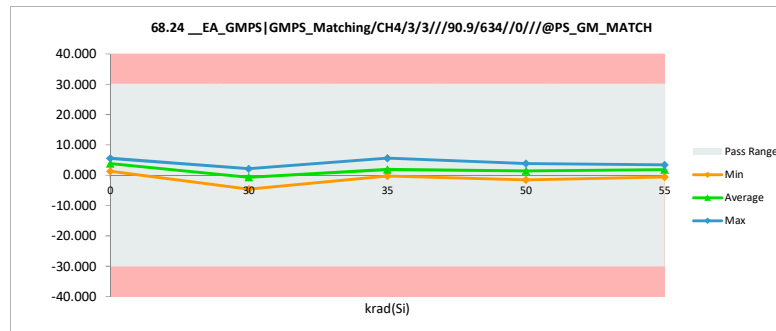
TPS7H4104-SEP

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

68.24 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.550	5.600	-0.050
0	2	5.990	4.690	1.300
0	3	0.540	1.290	-0.750
30	11	-1.000	-4.620	3.620
30	12	2.420	1.350	1.070
30	13	-0.300	2.120	-2.420
30	14	-1.480	-0.570	-0.910
30	15	-2.310	-1.600	-0.710
35	16	1.280	0.670	0.610
35	17	2.810	1.980	0.830
35	18	1.910	-0.280	2.190
35	19	0.210	1.380	-1.170
35	20	2.110	5.580	-3.470
50	30	1.900	3.840	-1.940
50	31	1.200	3.730	-2.530
50	32	1.220	1.580	-0.360
50	33	-1.610	-0.340	-1.270
50	34	-1.310	-1.560	0.250
55	40	0.790	2.430	-1.640
55	41	-3.020	-0.590	-2.430
55	42	0.300	2.870	-2.570
55	43	2.610	3.430	-0.820
55	44	2.190	0.940	1.250
Max		5.990	5.600	3.620
Average		0.957	1.475	-0.518
Min		-3.020	-4.620	-3.470
Std Dev		2.240	2.467	1.734



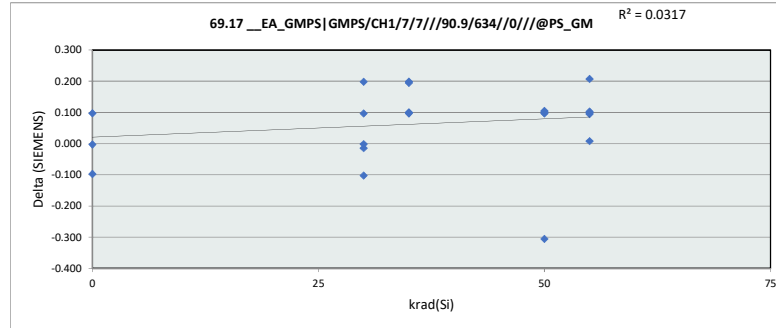
68.24 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	1.290	-4.620	-0.280	-1.560	-0.590
Average	3.860	-0.664	1.866	1.450	1.816
Max	5.600	2.120	5.580	3.840	3.430
UL	30.000	30.000	30.000	30.000	30.000



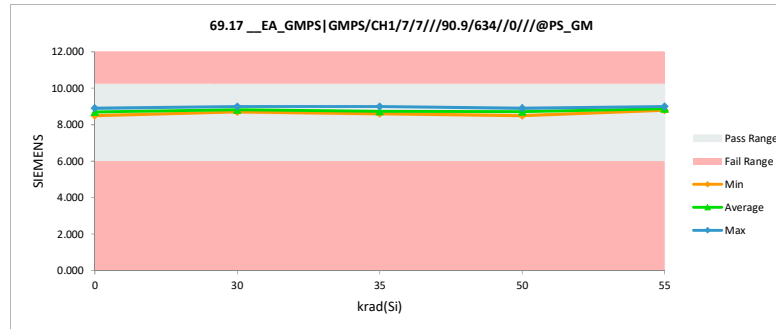
TID HDR Report TPS7H4104-SEP

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

69.17 __EA_GMPS GMPS/CH1/7				
Test Site				
Tester				
Test Number				
Unit		SIEMENS	SIEMENS	
Max Limit		10.46	10.23	
Min Limit		5.78	6.01	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	8.599	8.502	0.097
0	2	8.700	8.703	-0.003
0	3	8.804	8.901	-0.097
30	11	9.199	9.001	0.198
30	12	8.699	8.700	-0.001
30	13	8.998	8.901	0.096
30	14	8.701	8.804	-0.103
30	15	8.699	8.713	-0.014
35	16	8.701	8.601	0.100
35	17	8.998	8.901	0.096
35	18	8.796	8.601	0.195
35	19	9.102	9.003	0.099
35	20	8.800	8.601	0.199
50	30	8.899	8.800	0.099
50	31	8.799	8.697	0.101
50	32	8.396	8.701	-0.306
50	33	8.999	8.903	0.096
50	34	8.603	8.498	0.105
55	40	9.100	9.001	0.099
55	41	9.000	8.905	0.095
55	42	9.000	8.793	0.207
55	43	8.813	8.805	0.008
55	44	9.004	8.901	0.103
Max		9.199	9.003	0.207
Average		8.844	8.780	0.064
Min		8.396	8.498	-0.306
Std Dev		0.195	0.154	0.116



69.17 __EA_GMPS GMPS/CH1					
Test Site					
Tester					
Test Number					
Max Limit		10.23	SIEMENS		
Min Limit		6.01	SIEMENS		
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	8.502	8.700	8.601	8.498	8.793
Average	8.702	8.824	8.742	8.720	8.881
Max	8.901	9.001	9.003	8.903	9.001
UL	10.230	10.230	10.230	10.230	10.230

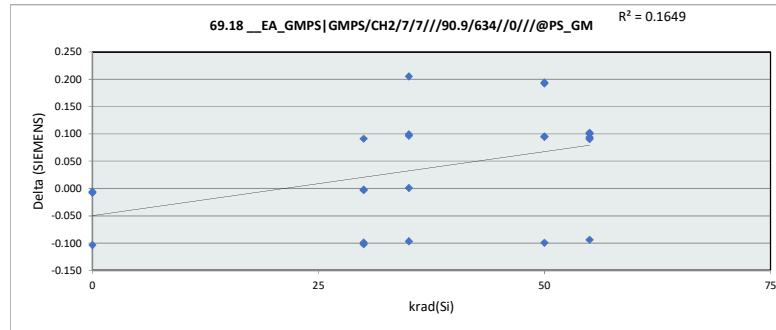


TID HDR Report

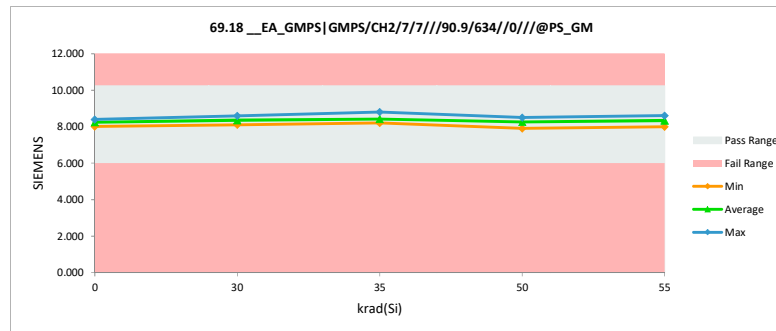
TPS7H4104-SEP

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

69.18 __EA_GMPS GMPS/CH2/7				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	8.002	8.010	-0.007
0	2	8.201	8.304	-0.103
0	3	8.396	8.401	-0.006
30	11	8.505	8.604	-0.099
30	12	8.294	8.203	0.092
30	13	8.596	8.599	-0.003
30	14	8.198	8.300	-0.102
30	15	8.102	8.104	-0.002
35	16	8.500	8.499	0.001
35	17	8.202	8.299	-0.097
35	18	8.305	8.205	0.100
35	19	9.013	8.808	0.205
35	20	8.409	8.312	0.097
50	30	8.298	8.398	-0.099
50	31	8.498	8.403	0.096
50	32	8.294	8.100	0.194
50	33	8.595	8.500	0.095
50	34	8.097	7.904	0.193
55	40	8.502	8.596	-0.094
55	41	8.697	8.607	0.091
55	42	8.201	8.107	0.094
55	43	8.102	8.002	0.100
55	44	8.500	8.398	0.102
Max		9.013	8.808	0.205
Average		8.370	8.333	0.037
Min		8.002	7.904	-0.103
Std Dev		0.234	0.232	0.102



69.18 __EA_GMPS GMPS/CH2					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	8.010	8.104	8.206	7.904	8.002
Average	8.238	8.362	8.425	8.261	8.342
Max	8.402	8.604	8.808	8.500	8.607
UL	10.230	10.230	10.230	10.230	10.230

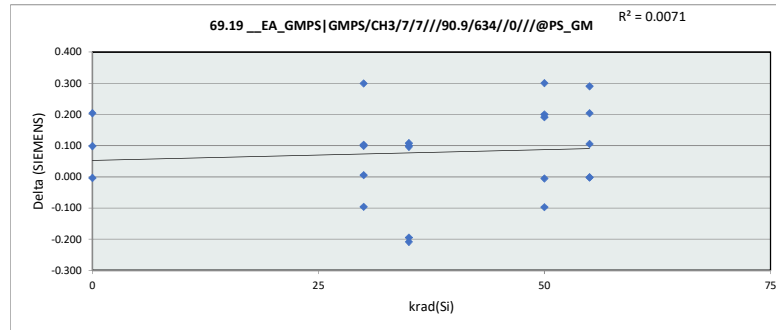


TID HDR Report

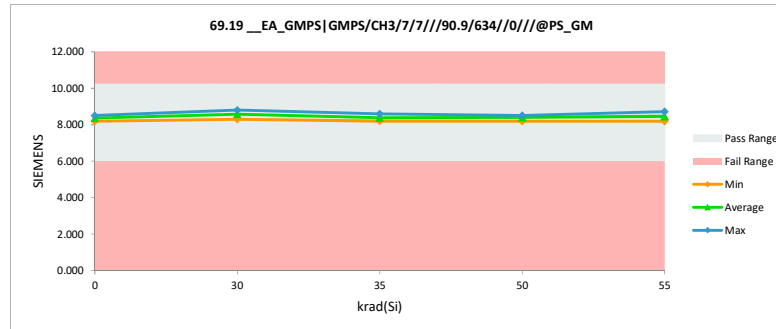
TPS7H4104-SEP

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

69.19 __EA_GMPS GMPS/CH3/7				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	8.291	8.192	0.099
0	2	8.602	8.398	0.204
0	3	8.499	8.503	-0.004
30	11	8.907	8.804	0.103
30	12	8.408	8.403	0.005
30	13	8.702	8.603	0.099
30	14	9.101	8.802	0.299
30	15	8.203	8.299	-0.096
35	16	8.399	8.594	-0.195
35	17	8.498	8.402	0.096
35	18	7.996	8.204	-0.208
35	19	8.407	8.299	0.108
35	20	8.502	8.402	0.100
50	30	8.494	8.194	0.300
50	31	8.607	8.407	0.200
50	32	8.399	8.404	-0.005
50	33	8.399	8.496	-0.097
50	34	8.699	8.508	0.191
55	40	8.598	8.599	-0.001
55	41	8.998	8.708	0.290
55	42	8.300	8.195	0.105
55	43	8.503	8.299	0.204
55	44	8.502	8.504	-0.002
Max		9.101	8.804	0.300
Average		8.522	8.444	0.078
Min		7.996	8.192	-0.208
Std Dev		0.248	0.182	0.144



69.19 __EA_GMPS GMPS/CH3					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	8.192	8.299	8.204	8.194	8.195
Average	8.364	8.582	8.380	8.402	8.461
Max	8.503	8.804	8.594	8.508	8.708
UL	10.230	10.230	10.230	10.230	10.230

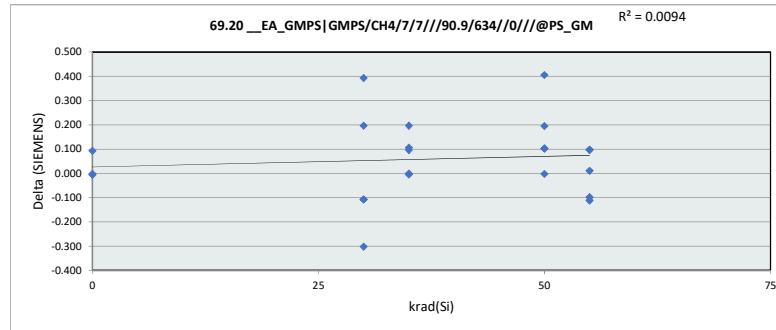


TID HDR Report

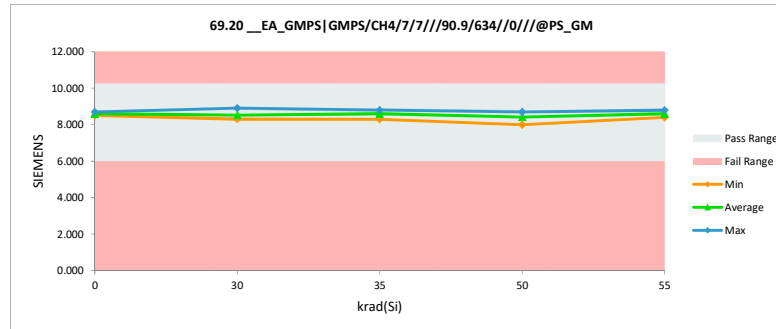
TPS7H4104-SEP

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

69.20 __EA_GMPS GMPS/CH4/7/7///90.9/634/00///@PS_GM				
Test Site				
Tester				
Test Number				
Unit	SIEMENS	SIEMENS		
Max Limit	10.46	10.23		
Min Limit	5.78	6.01		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	8.590	8.596	-0.006
0	2	8.702	8.704	-0.002
0	3	8.594	8.502	0.092
30	11	8.892	8.499	0.393
30	12	8.598	8.402	0.196
30	13	8.797	8.904	-0.108
30	14	8.400	8.508	-0.108
30	15	8.002	8.304	-0.302
35	16	8.608	8.512	0.096
35	17	8.697	8.702	-0.005
35	18	8.402	8.296	0.105
35	19	8.902	8.706	0.196
35	20	8.802	8.803	-0.001
50	30	8.702	8.599	0.103
50	31	8.805	8.703	0.102
50	32	8.500	8.306	0.195
50	33	8.499	8.502	-0.003
50	34	8.403	7.997	0.405
55	40	8.702	8.800	-0.099
55	41	8.498	8.609	-0.112
55	42	8.413	8.403	0.010
55	43	8.601	8.504	0.096
55	44	8.803	8.706	0.098
Max		8.902	8.904	0.405
Average		8.605	8.546	0.058
Min		8.002	7.997	-0.302
Std Dev		0.204	0.205	0.160



69.20 __EA_GMPS GMPS/CH4					
Test Site					
Tester					
Test Number					
Max Limit	10.23	SIEMENS			
Min Limit	6.01	SIEMENS			
krad(Si)	0	30	35	50	55
LL	6.010	6.010	6.010	6.010	6.010
Min	8.502	8.304	8.296	7.998	8.403
Average	8.601	8.523	8.604	8.421	8.605
Max	8.704	8.904	8.803	8.703	8.800
UL	10.230	10.230	10.230	10.230	10.230

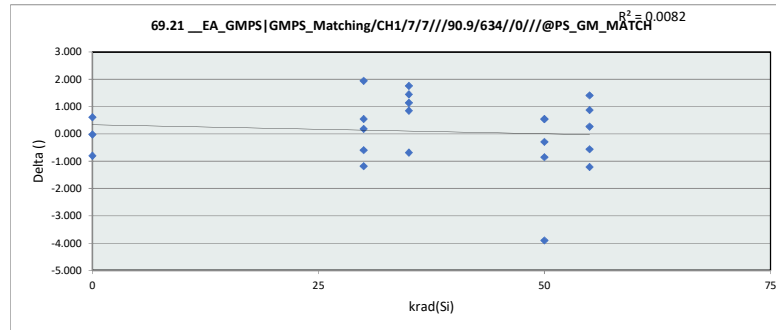


TID HDR Report

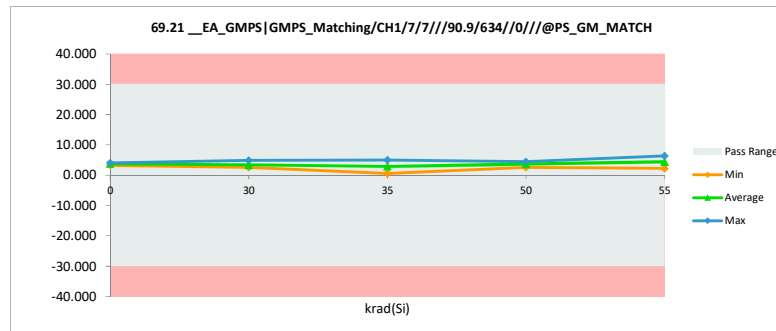
TPS7H4104-SEP

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

69.21 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	4.560	3.950	0.610
0	2	3.250	3.270	-0.020
0	3	3.290	4.090	-0.800
30	11	4.780	2.830	1.950
30	12	3.260	3.850	-0.590
30	13	3.150	2.600	0.550
30	14	1.770	2.950	-1.180
30	15	5.100	4.910	0.190
35	16	2.070	0.620	1.450
35	17	6.170	5.030	1.140
35	18	5.340	3.580	1.760
35	19	2.450	3.130	-0.680
35	20	3.170	2.320	0.850
50	30	4.720	4.180	0.540
50	31	2.300	2.590	-0.290
50	32	0.600	4.500	-3.900
50	33	4.070	3.520	0.550
50	34	2.730	3.580	-0.850
55	40	4.890	3.480	1.410
55	41	1.720	2.280	-0.560
55	42	6.820	5.940	0.880
55	43	5.170	6.380	-1.210
55	44	4.380	4.110	0.270
Max		6.820	6.380	1.950
Average		3.729	3.639	0.090
Min		0.600	0.620	-3.900
Std Dev		1.554	1.251	1.272



69.21 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	3.270	2.600	0.620	2.590	2.280
Average	3.770	3.428	2.936	3.674	4.438
Max	4.090	4.910	5.030	4.500	6.380
UL	30.000	30.000	30.000	30.000	30.000

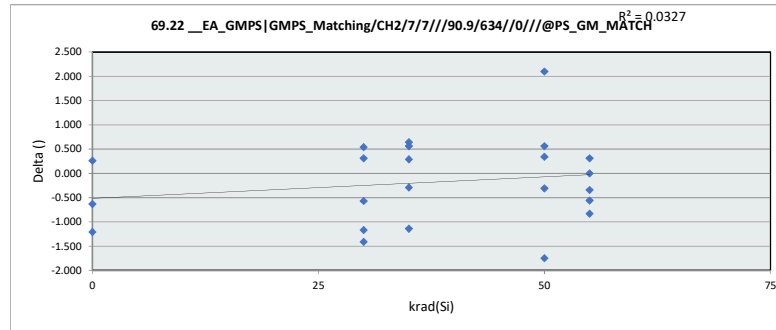


TID HDR Report

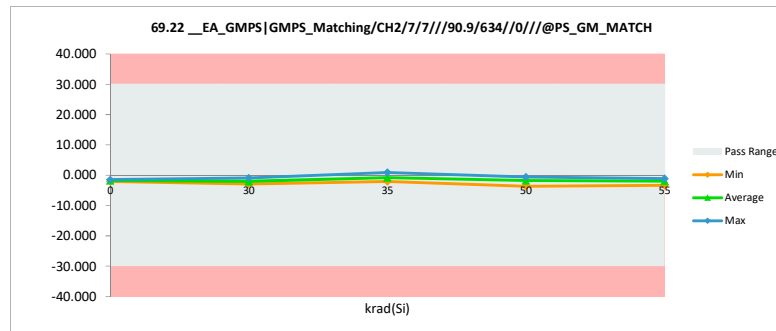
TPS7H4104-SEP

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

69.22 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-2.690	-2.060	-0.630
0	2	-2.670	-1.460	-1.210
0	3	-1.500	-1.760	0.260
30	11	-3.120	-1.710	-1.410
30	12	-1.540	-2.080	0.540
30	13	-1.450	-0.880	-0.570
30	14	-4.110	-2.940	-1.170
30	15	-2.110	-2.420	0.310
35	16	-0.290	-0.580	0.290
35	17	-3.220	-2.080	-1.140
35	18	-0.550	-1.190	0.640
35	19	1.460	0.900	0.560
35	20	-1.420	-1.130	-0.290
50	30	-2.340	-0.590	-1.750
50	31	-1.190	-0.880	-0.310
50	32	-0.620	-2.720	2.100
50	33	-0.600	-1.160	0.560
50	34	-3.310	-3.650	0.340
55	40	-2.000	-1.170	-0.830
55	41	-1.710	-1.150	-0.560
55	42	-2.670	-2.330	-0.340
55	43	-3.320	-3.320	0.000
55	44	-1.470	-1.780	0.310
Max		1.460	0.900	2.100
Average		-1.845	-1.658	-0.187
Min		-4.110	-3.650	-1.750
Std Dev		1.254	1.009	0.869



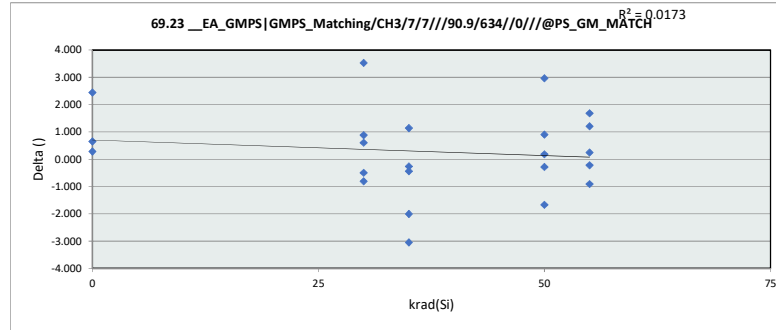
69.22 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-2.060	-2.940	-2.080	-3.650	-3.320
Average	-1.760	-2.006	-0.816	-1.800	-1.950
Max	-1.460	-0.880	0.900	-0.590	-1.150
UL	30.000	30.000	30.000	30.000	30.000



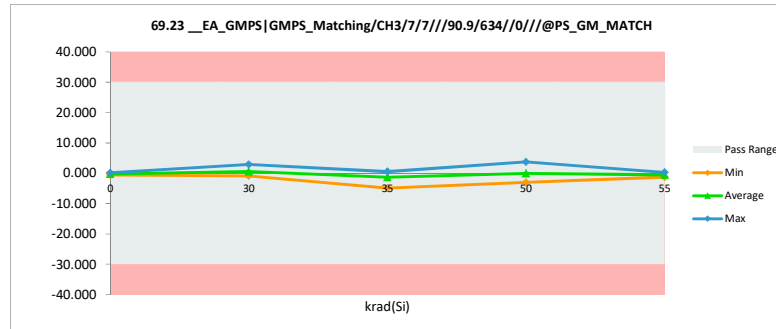
TID HDR Report TPS7H4104-SEP

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

69.23 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.820	0.170	0.650
0	2	2.090	-0.350	2.440
0	3	-0.290	-0.570	0.280
30	11	1.460	0.580	0.880
30	12	-0.190	0.310	-0.500
30	13	-0.240	-0.840	0.600
30	14	6.450	2.930	3.520
30	15	-0.890	-0.080	-0.810
35	16	-1.480	0.530	-2.010
35	17	0.270	-0.870	1.140
35	18	-4.250	-1.200	-3.050
35	19	-5.370	-4.930	-0.440
35	20	-0.330	-0.060	-0.270
50	30	-0.040	-3.000	2.960
50	31	0.070	-0.830	0.900
50	32	0.640	0.930	-0.290
50	33	-2.870	-1.200	-1.670
50	34	3.890	3.710	0.180
55	40	-0.900	-1.140	0.240
55	41	1.700	0.020	1.680
55	42	-1.490	-1.270	-0.220
55	43	1.470	0.270	1.200
55	44	-1.450	-0.540	-0.910
Max		6.450	3.710	3.520
Average		-0.040	-0.323	0.283
Min		-5.370	-4.930	-3.050
Std Dev		2.458	1.701	1.532



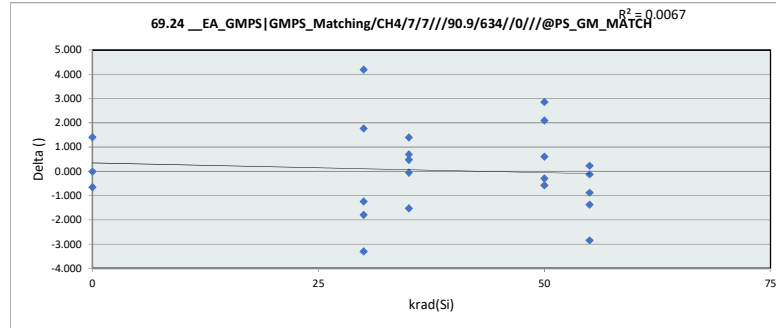
69.23 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-0.570	-0.840	-4.930	-3.000	-1.270
Average	-0.250	0.580	-1.306	-0.078	-0.532
Max	0.170	2.930	0.530	3.710	0.270
UL	30.000	30.000	30.000	30.000	30.000



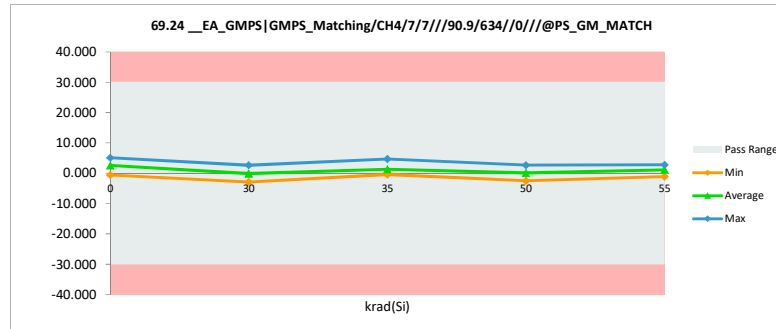
TID HDR Report
TPS7H4104-SEP

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

69.24 __EA_GMPS GMPS_Match				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	30	30		
Min Limit	-30	-30		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	4.460	5.110	-0.650
0	2	3.280	3.290	-0.010
0	3	0.820	-0.590	1.410
30	11	1.280	-2.910	4.190
30	12	2.060	0.290	1.770
30	13	0.850	2.640	-1.790
30	14	-1.750	-0.510	-1.240
30	15	-3.310	-0.010	-3.300
35	16	0.980	-0.420	1.400
35	17	2.620	2.670	-0.050
35	18	0.610	-0.090	0.700
35	19	0.210	-0.270	0.480
35	20	3.190	4.710	-1.520
50	30	2.410	1.800	0.610
50	31	2.370	2.660	-0.290
50	32	1.850	-0.250	2.100
50	33	-1.710	-1.140	-0.570
50	34	0.350	-2.510	2.860
55	40	0.300	1.180	-0.880
55	41	-3.960	-1.120	-2.840
55	42	-0.140	1.230	-1.370
55	43	2.630	2.750	-0.120
55	44	2.050	1.820	0.230
Max		4.460	5.110	4.190
Average		0.933	0.884	0.049
Min		-3.960	-2.910	-3.300
Std Dev		2.080	2.107	1.756



69.24 __EA_GMPS GMPS_Match					
Test Site					
Tester					
Test Number					
Max Limit	30				
Min Limit	-30				
krad(Si)	0	30	35	50	55
LL	-30.000	-30.000	-30.000	-30.000	-30.000
Min	-0.590	-2.910	-0.420	-2.510	-1.120
Average	2.603	-0.100	1.320	0.112	1.172
Max	5.110	2.640	4.710	2.660	2.750
UL	30.000	30.000	30.000	30.000	30.000

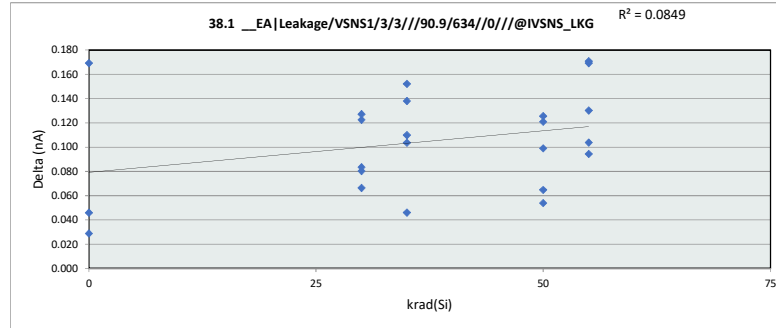


TID HDR Report

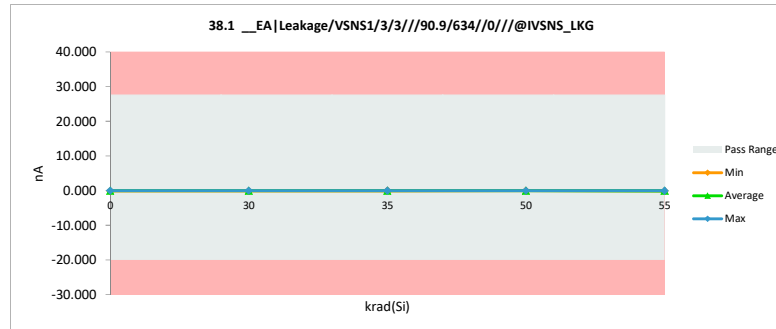
TPS7H4104-SEP

kRad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

38.1 __EA Leakage/VSNS1/3/3				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-20	-20		
kRad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.011	-0.035	0.046
0	2	0.033	0.004	0.029
0	3	0.051	-0.118	0.169
30	11	0.012	-0.068	0.080
30	12	0.012	-0.071	0.083
30	13	0.075	-0.052	0.127
30	14	0.056	-0.010	0.066
30	15	0.029	-0.093	0.122
35	16	0.045	-0.001	0.046
35	17	0.042	-0.062	0.104
35	18	0.083	-0.027	0.110
35	19	0.089	-0.063	0.152
35	20	0.064	-0.074	0.138
50	30	0.076	-0.023	0.099
50	31	0.048	-0.077	0.125
50	32	0.025	-0.029	0.054
50	33	0.036	-0.085	0.121
50	34	0.012	-0.052	0.065
55	40	0.053	-0.051	0.104
55	41	0.019	-0.076	0.094
55	42	0.079	-0.091	0.171
55	43	0.033	-0.137	0.169
55	44	0.092	-0.038	0.130
	Max	0.092	0.004	0.171
	Average	0.047	-0.058	0.105
	Min	0.011	-0.137	0.029
	Std Dev	0.026	0.035	0.041



38.1 __EA Leakage/VSNS1/3					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-20	nA			
kRad(Si)	0	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.118	-0.093	-0.074	-0.085	-0.137
Average	-0.050	-0.059	-0.046	-0.053	-0.079
Max	0.004	-0.010	-0.001	-0.023	-0.038
UL	27.500	27.500	27.500	27.500	27.500

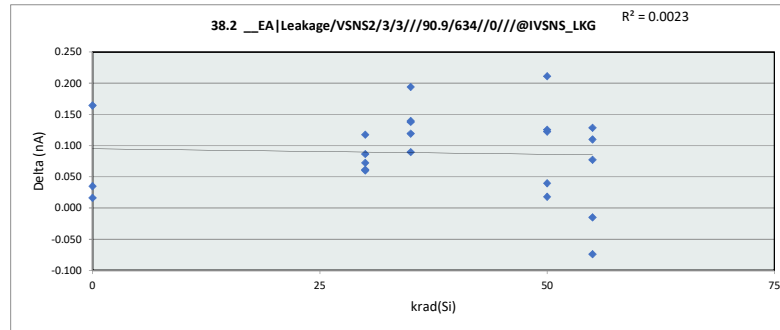


TID HDR Report

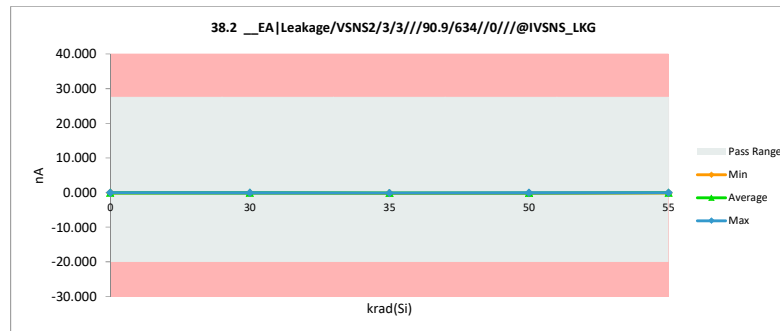
TPS7H4104-SEP

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

38.2 __EA Leakage/VSNS2/3/3				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-20	-20		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.060	-0.095	0.035
0	2	-0.023	-0.039	0.016
0	3	0.071	-0.094	0.164
30	11	-0.015	-0.133	0.117
30	12	-0.007	-0.067	0.060
30	13	0.018	-0.069	0.086
30	14	-0.024	-0.086	0.061
30	15	0.001	-0.072	0.072
35	16	-0.024	-0.114	0.089
35	17	-0.029	-0.167	0.138
35	18	0.004	-0.136	0.139
35	19	0.071	-0.123	0.194
35	20	-0.014	-0.133	0.119
50	30	-0.015	-0.055	0.040
50	31	0.027	-0.184	0.211
50	32	-0.052	-0.070	0.018
50	33	-0.004	-0.126	0.122
50	34	-0.031	-0.156	0.125
55	40	0.019	-0.109	0.128
55	41	0.054	-0.056	0.110
55	42	-0.095	-0.021	-0.074
55	43	-0.001	-0.078	0.077
55	44	-0.070	-0.055	-0.015
Max		0.071	-0.021	0.211
Average		-0.009	-0.097	0.088
Min		-0.095	-0.184	-0.074
Std Dev		0.041	0.043	0.067



38.2 __EA Leakage/VSNS2/3					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-20	nA			
krad(Si)	0	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.095	-0.133	-0.167	-0.184	-0.109
Average	-0.076	-0.085	-0.134	-0.118	-0.064
Max	-0.039	-0.067	-0.114	-0.055	-0.021
UL	27.500	27.500	27.500	27.500	27.500

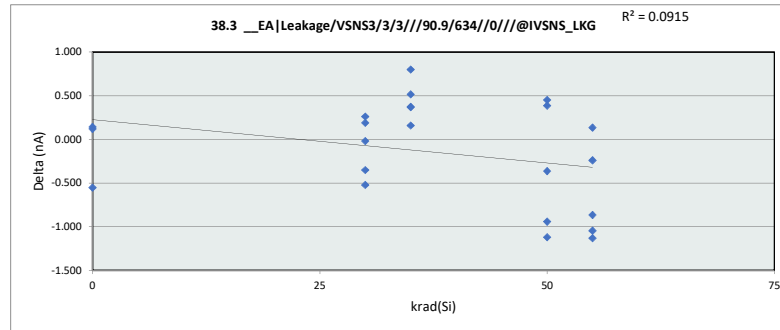


TID HDR Report

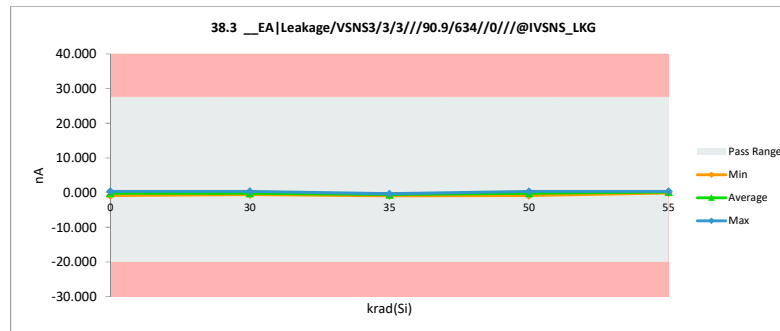
TPS7H4104-SEP

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

38.3 __EA Leakage/VSNS3/3/3				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-20	-20		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.737	-0.879	0.142
0	2	-0.206	0.345	-0.551
0	3	0.033	-0.089	0.122
30	11	-0.515	-0.496	-0.019
30	12	-0.389	-0.037	-0.351
30	13	-0.025	-0.214	0.189
30	14	-0.329	-0.592	0.262
30	15	-0.186	0.336	-0.522
35	16	-0.144	-0.512	0.368
35	17	-0.760	-0.919	0.159
35	18	0.098	-0.418	0.517
35	19	0.015	-0.357	0.373
35	20	0.036	-0.763	0.799
50	30	-0.638	0.301	-0.940
50	31	-0.053	-0.440	0.387
50	32	-0.404	-0.855	0.451
50	33	-0.845	0.275	-1.120
50	34	-0.756	-0.393	-0.362
55	40	0.020	-0.115	0.136
55	41	-0.130	0.111	-0.241
55	42	-0.790	0.340	-1.130
55	43	-0.581	0.283	-0.863
55	44	-0.773	0.273	-1.046
	Max	0.098	0.345	0.799
	Average	-0.350	-0.209	-0.141
	Min	-0.845	-0.919	-1.130
	Std Dev	0.328	0.436	0.580



38.3 __EA Leakage/VSNS3/3/3					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-20	nA			
krad(Si)	0	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.879	-0.592	-0.920	-0.856	-0.115
Average	-0.208	-0.201	-0.594	-0.223	0.178
Max	0.345	0.336	-0.357	0.302	0.341
UL	27.500	27.500	27.500	27.500	27.500

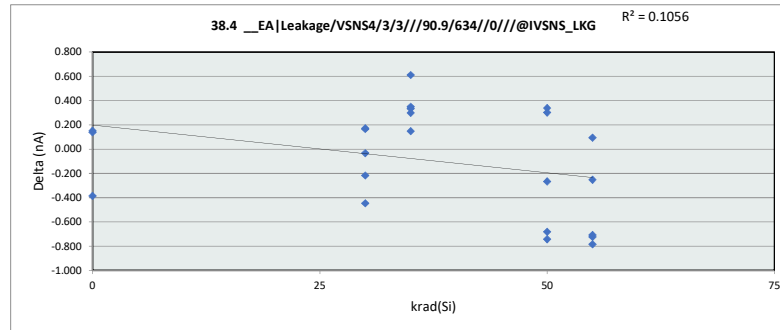


TID HDR Report

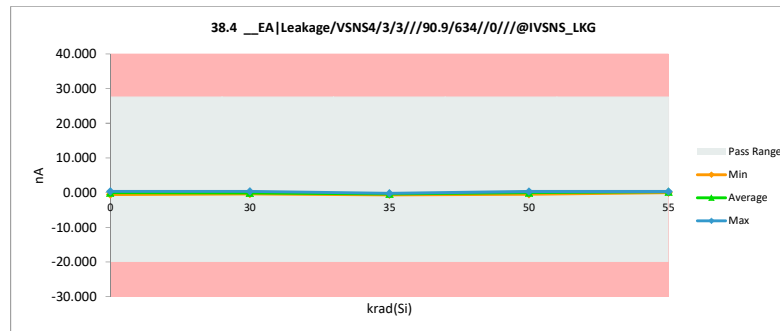
TPS7H4104-SEP

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

38.4 __EA Leakage/VSNS4/3/3				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-20	-20		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.437	-0.576	0.139
0	2	-0.062	0.325	-0.387
0	3	0.152	0.002	0.150
30	11	-0.332	-0.298	-0.034
30	12	-0.218	0.000	-0.218
30	13	0.083	-0.081	0.164
30	14	-0.238	-0.409	0.171
30	15	-0.131	0.317	-0.448
35	16	0.011	-0.287	0.299
35	17	-0.483	-0.631	0.147
35	18	0.103	-0.229	0.333
35	19	0.152	-0.197	0.349
35	20	0.072	-0.539	0.611
50	30	-0.384	0.298	-0.682
50	31	0.047	-0.255	0.302
50	32	-0.188	-0.526	0.338
50	33	-0.437	0.306	-0.742
50	34	-0.474	-0.206	-0.268
55	40	0.091	-0.003	0.094
55	41	-0.018	0.234	-0.252
55	42	-0.483	0.301	-0.785
55	43	-0.415	0.309	-0.724
55	44	-0.472	0.236	-0.708
	Max	0.152	0.325	0.611
	Average	-0.177	-0.083	-0.093
	Min	-0.483	-0.631	-0.785
	Std Dev	0.238	0.328	0.427



38.4 __EA Leakage/VSNS4/3					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-20	nA			
krad(Si)	0	30	35	50	55
LL	-20.000	-20.000	-20.000	-20.000	-20.000
Min	-0.576	-0.409	-0.631	-0.526	-0.003
Average	-0.083	-0.094	-0.377	-0.077	0.215
Max	0.325	0.317	-0.197	0.306	0.309
UL	27.500	27.500	27.500	27.500	27.500

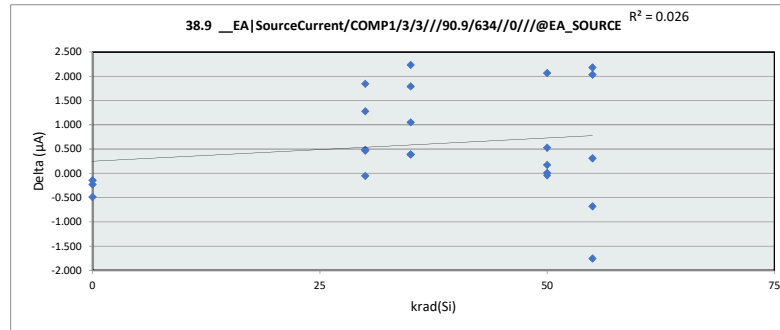


TID HDR Report

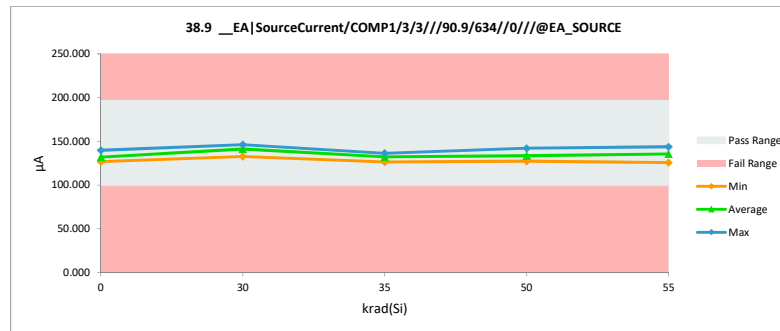
TPS7H4104-SEP

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

38.9 __EA SourceCurrent/COMP1/3/3///90.9/634/0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	139.356	139.840	-0.484
0	2	129.346	129.572	-0.227
0	3	126.550	126.689	-0.140
30	11	134.514	132.666	1.848
30	12	145.484	145.014	0.470
30	13	147.523	146.241	1.282
30	14	137.330	137.380	-0.051
30	15	145.092	144.601	0.491
35	16	128.230	126.440	1.791
35	17	138.551	136.314	2.236
35	18	132.773	131.721	1.052
35	19	136.127	135.738	0.389
35	20	131.535	131.143	0.392
50	30	130.577	130.402	0.175
50	31	135.491	134.960	0.531
50	32	133.489	133.477	0.012
50	33	127.261	127.300	-0.039
50	34	144.002	141.933	2.069
55	40	143.078	143.756	-0.678
55	41	125.983	125.669	0.314
55	42	141.872	143.626	-1.754
55	43	135.131	132.948	2.183
55	44	133.275	131.241	2.034
Max		147.523	146.241	2.236
Average		135.764	135.160	0.604
Min		125.983	125.669	-1.754
Std Dev		6.466	6.536	1.048



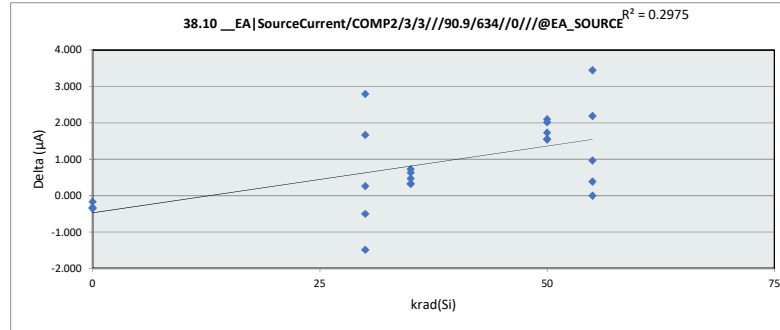
38.9 __EA SourceCurrent/COMP1/3/3///90.9/634/0///@EA_SOURCE					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	126.689	132.666	126.440	127.300	125.669
Average	132.034	141.180	132.271	133.614	135.448
Max	139.840	146.241	136.314	141.933	143.756
UL	196.600	196.600	196.600	196.600	196.600



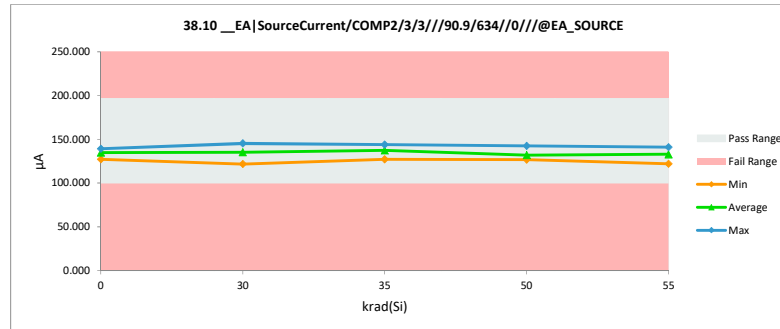
TID HDR Report TPS7H4104-SEP

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

38.10 __EA SourceCurrent/COM				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	138.946	139.297	-0.351
0	2	126.991	127.163	-0.172
0	3	137.697	138.029	-0.332
30	11	135.623	136.123	-0.500
30	12	139.722	141.213	-1.491
30	13	148.019	145.226	2.793
30	14	123.382	121.717	1.665
30	15	132.293	132.033	0.260
35	16	136.003	135.272	0.731
35	17	144.516	143.885	0.630
35	18	137.654	137.181	0.473
35	19	143.528	143.199	0.329
35	20	127.589	127.266	0.323
50	30	128.479	126.747	1.732
50	31	130.242	128.686	1.557
50	32	130.437	128.420	2.017
50	33	134.972	133.432	1.540
50	34	144.573	142.476	2.097
55	40	132.145	129.956	2.189
55	41	140.842	140.841	0.001
55	42	142.018	141.053	0.965
55	43	133.774	130.328	3.446
55	44	122.470	122.082	0.388
Max		148.019	145.226	3.446
Average		135.301	134.419	0.882
Min		122.470	121.717	-1.491
Std Dev		6.985	7.123	1.184



38.10 __EA SourceCurrent/CO					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	127.163	121.717	127.266	126.747	122.082
Average	134.830	135.263	137.361	131.952	132.852
Max	139.297	145.226	143.886	142.476	141.053
UL	196.600	196.600	196.600	196.600	196.600

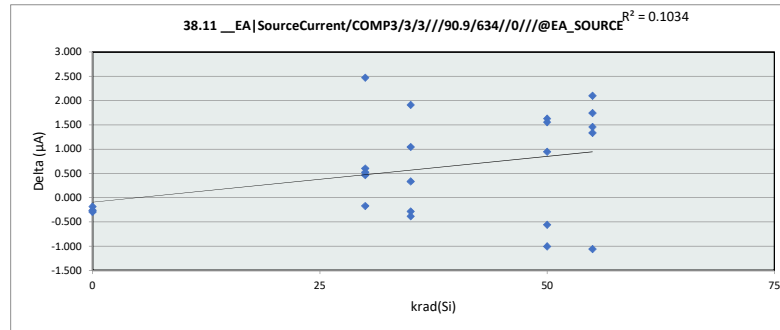


TID HDR Report

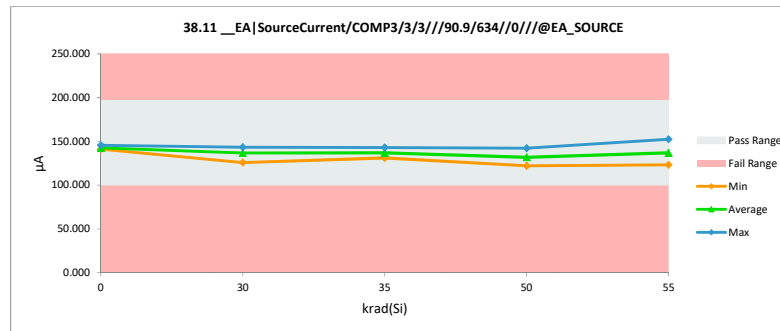
TPS7H4104-SEP

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

38.11 __EA SourceCurrent/COM				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	145.243	145.537	-0.295
0	2	140.633	140.896	-0.263
0	3	141.192	141.379	-0.187
30	11	141.468	140.948	0.520
30	12	135.621	135.158	0.463
30	13	138.589	137.988	0.601
30	14	128.136	125.666	2.470
30	15	142.958	143.129	-0.171
35	16	130.790	131.076	-0.285
35	17	139.411	137.501	1.910
35	18	143.911	142.867	1.044
35	19	142.294	141.961	0.333
35	20	130.565	130.952	-0.387
50	30	123.587	121.959	1.628
50	31	133.111	131.557	1.554
50	32	129.707	130.712	-1.005
50	33	133.146	132.202	0.944
50	34	141.549	142.110	-0.561
55	40	146.928	145.185	1.743
55	41	130.105	131.167	-1.062
55	42	154.350	152.254	2.097
55	43	124.477	123.145	1.332
55	44	133.776	132.322	1.454
Max		154.350	152.254	2.470
Average		137.024	136.420	0.603
Min		123.587	121.959	-1.062
Std Dev		7.678	7.712	1.036



38.11 __EA SourceCurrent/CO					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	140.896	125.666	130.952	121.959	123.145
Average	142.604	136.578	136.871	131.708	136.814
Max	145.537	143.129	142.867	142.110	152.254
UL	196.600	196.600	196.600	196.600	196.600

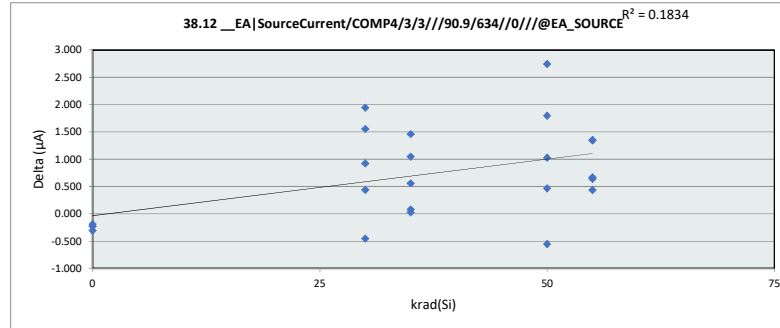


TID HDR Report

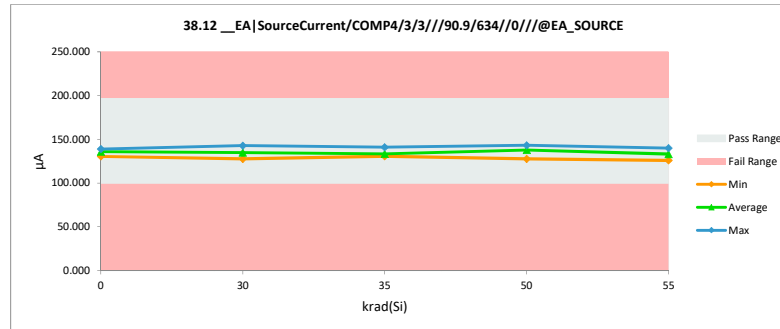
TPS7H4104-SEP

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

38.12 __EA SourceCurrent/COM				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	138.536	138.841	-0.305
0	2	130.395	130.582	-0.187
0	3	138.263	138.490	-0.227
30	11	141.221	140.781	0.440
30	12	142.211	142.665	-0.454
30	13	134.556	132.609	1.947
30	14	128.588	127.666	0.922
30	15	132.621	131.066	1.555
35	16	133.339	132.289	1.049
35	17	131.274	130.716	0.558
35	18	131.611	131.582	0.029
35	19	141.116	141.034	0.081
35	20	132.048	130.586	1.462
50	30	145.855	143.111	2.744
50	31	139.155	139.707	-0.553
50	32	129.387	127.591	1.796
50	33	138.507	138.037	0.470
50	34	141.884	140.853	1.031
55	40	127.208	125.855	1.353
55	41	139.007	138.571	0.436
55	42	140.594	139.954	0.640
55	43	135.286	133.940	1.346
55	44	128.019	127.350	0.669
Max		145.855	143.111	2.744
Average		135.682	134.951	0.731
Min		127.208	125.855	-0.553
Std Dev		5.346	5.534	0.852



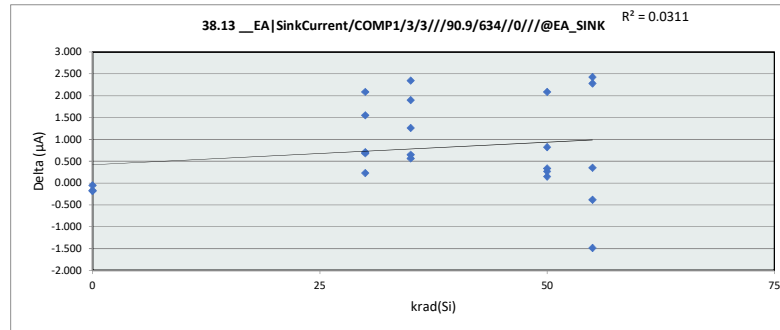
38.12 __EA SourceCurrent/CO					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	130.582	127.666	130.586	127.592	125.855
Average	135.971	134.957	133.241	137.860	133.134
Max	138.841	142.666	141.034	143.111	139.954
UL	196.600	196.600	196.600	196.600	196.600



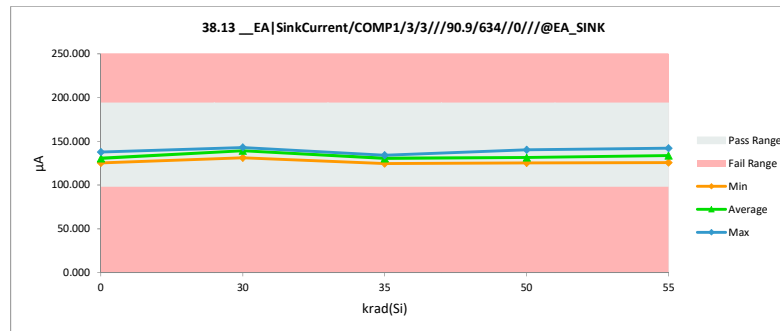
TID HDR Report TPS7H4104-SEP

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

38.13 __EA SinkCurrent/COMP1				
Test Site				
Tester				
Test Number				
Unit	μA	μA		
Max Limit	200	193.7		
Min Limit	87	98.3		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	137.441	137.621	-0.180
0	2	128.652	128.820	-0.168
0	3	125.385	125.436	-0.052
30	11	133.274	131.187	2.087
30	12	143.353	142.674	0.679
30	13	144.547	142.997	1.550
30	14	137.366	137.135	0.230
30	15	142.838	142.130	0.707
35	16	126.506	124.606	1.899
35	17	136.288	133.943	2.345
35	18	132.298	131.037	1.261
35	19	134.242	133.592	0.650
35	20	130.638	130.075	0.563
50	30	128.276	128.012	0.264
50	31	133.824	133.001	0.823
50	32	131.135	130.799	0.336
50	33	125.498	125.348	0.149
50	34	142.275	140.188	2.087
55	40	140.838	141.219	-0.382
55	41	125.904	125.552	0.351
55	42	140.596	142.082	-1.487
55	43	134.257	131.830	2.427
55	44	130.554	128.272	2.282
Max		144.547	142.997	2.427
Average		134.173	133.372	0.801
Min		125.385	124.606	-1.487
Std Dev		6.134	6.192	1.030



38.13 __EA SinkCurrent/COMP1					
Test Site					
Tester					
Test Number					
Max Limit	193.7	μA			
Min Limit	98.3	μA			
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	125.436	131.187	124.607	125.348	125.552
Average	130.626	139.225	130.651	131.470	133.791
Max	137.621	142.997	133.943	140.188	142.082
UL	193.700	193.700	193.700	193.700	193.700

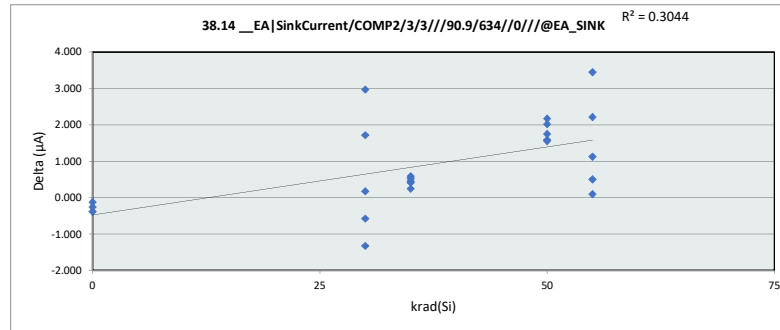


TID HDR Report

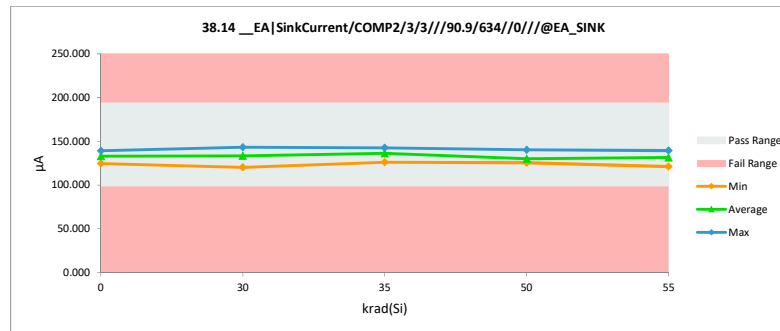
TPS7H4104-SEP

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

38.14 __EA SinkCurrent/COMP2				
Test Site				
Tester				
Test Number				
Unit	µA	µA		
Max Limit	200	193.7		
Min Limit	87	98.3		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	138.751	139.137	-0.385
0	2	124.281	124.411	-0.129
0	3	134.984	135.245	-0.261
30	11	133.850	134.429	-0.579
30	12	137.455	138.783	-1.328
30	13	146.262	143.298	2.963
30	14	121.925	120.210	1.715
30	15	129.956	129.785	0.172
35	16	135.206	134.622	0.585
35	17	142.321	141.793	0.528
35	18	136.211	135.765	0.446
35	19	143.068	142.661	0.407
35	20	126.272	126.028	0.243
50	30	127.223	125.476	1.747
50	31	128.628	127.046	1.581
50	32	128.460	126.291	2.169
50	33	132.899	131.344	1.554
50	34	142.256	140.238	2.018
55	40	131.013	128.799	2.213
55	41	139.437	139.341	0.096
55	42	140.220	139.095	1.124
55	43	132.680	129.235	3.444
55	44	121.515	121.016	0.499
	Max	146.262	143.298	3.444
	Average	133.690	132.785	0.905
	Min	121.515	120.210	-1.328
	Std Dev	6.966	7.088	1.193



38.14 __EA SinkCurrent/COMP2/3/3///90.9/634//0///@EA_SINK					
Test Site					
Tester					
Test Number					
Max Limit	193.7	µA			
Min Limit	98.3	µA			
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	124.411	120.210	126.028	125.476	121.016
Average	132.931	133.301	136.174	130.079	131.497
Max	139.137	143.298	142.661	140.238	139.341
UL	193.700	193.700	193.700	193.700	193.700

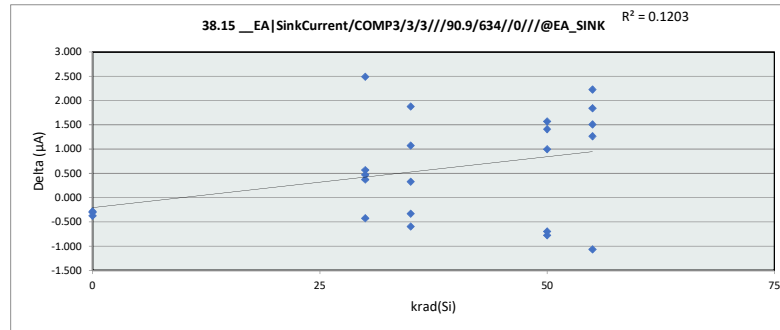


TID HDR Report

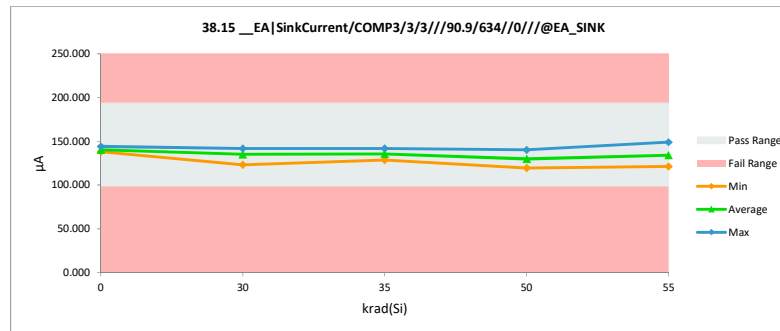
TPS7H4104-SEP

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

38.15 __EA SinkCurrent/COMP3				
Test Site				
Tester				
Test Number				
Unit	μA	μA		
Max Limit	200	193.7		
Min Limit	87	98.3		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	143.783	144.158	-0.375
0	2	137.886	138.169	-0.283
0	3	138.699	138.999	-0.300
30	11	139.733	139.359	0.373
30	12	135.357	134.887	0.470
30	13	136.974	136.406	0.568
30	14	125.759	123.269	2.490
30	15	141.266	141.690	-0.424
35	16	129.409	129.741	-0.332
35	17	138.136	136.257	1.879
35	18	142.739	141.666	1.073
35	19	141.375	141.046	0.330
35	20	128.105	128.702	-0.596
50	30	121.159	119.590	1.569
50	31	131.828	130.418	1.410
50	32	128.055	128.832	-0.777
50	33	131.212	130.214	0.998
50	34	139.453	140.151	-0.698
55	40	144.579	142.736	1.842
55	41	127.395	128.463	-1.068
55	42	151.200	148.973	2.228
55	43	122.441	121.177	1.264
55	44	131.048	129.540	1.508
	Max	151.200	148.973	2.490
	Average	135.113	134.541	0.572
	Min	121.159	119.590	-1.068
	Std Dev	7.712	7.755	1.066



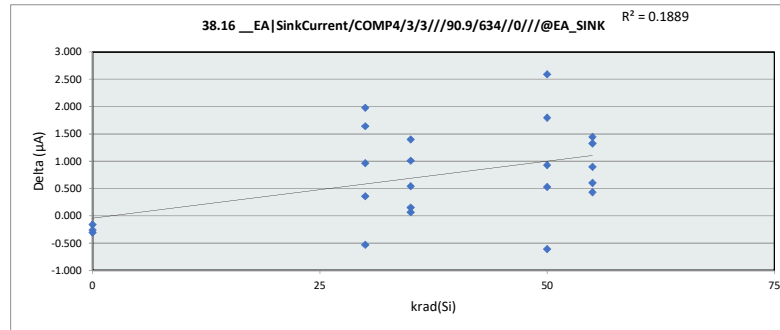
38.15 __EA SinkCurrent/COMP3/3/3///90.9/634//0///@EA_SINK					
Test Site					
Tester					
Test Number					
Max Limit	193.7	μA			
Min Limit	98.3	μA			
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	138.169	123.269	128.702	119.591	121.177
Average	140.442	135.122	135.482	129.841	134.178
Max	144.159	141.690	141.666	140.151	148.973
UL	193.700	193.700	193.700	193.700	193.700



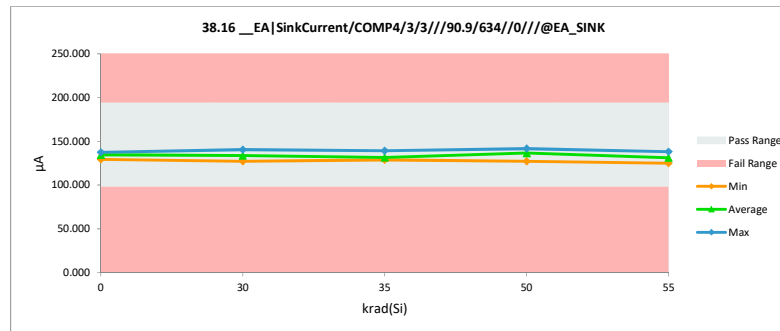
TID HDR Report TPS7H4104-SEP

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

38.16 __EA SinkCurrent/COMP4				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	193.7	
Min Limit		87	98.3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	137.208	137.512	-0.305
0	2	129.164	129.324	-0.160
0	3	136.826	137.087	-0.261
30	11	140.166	139.808	0.358
30	12	139.939	140.471	-0.532
30	13	132.491	130.510	1.981
30	14	128.115	127.151	0.964
30	15	131.572	129.932	1.639
35	16	132.051	131.041	1.009
35	17	129.667	129.124	0.543
35	18	129.693	129.629	0.064
35	19	139.409	139.257	0.153
35	20	130.233	128.834	1.399
50	30	144.176	141.585	2.590
50	31	137.201	137.809	-0.608
50	32	128.982	127.186	1.796
50	33	137.504	136.976	0.528
50	34	139.958	139.031	0.927
55	40	126.373	124.928	1.445
55	41	136.134	135.702	0.431
55	42	138.832	138.230	0.602
55	43	133.549	132.224	1.325
55	44	125.936	125.039	0.897
Max		144.176	141.585	2.590
Average		134.138	133.408	0.730
Min		125.936	124.928	-0.608
Std Dev		5.134	5.360	0.848



38.16 __EA SinkCurrent/COMP4					
Test Site					
Tester					
Test Number					
Max Limit		193.7	μA		
Min Limit		98.3	μA		
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	129.324	127.151	128.834	127.186	124.929
Average	134.641	133.574	131.577	136.517	131.225
Max	137.512	140.471	139.257	141.585	138.230
UL	193.700	193.700	193.700	193.700	193.700

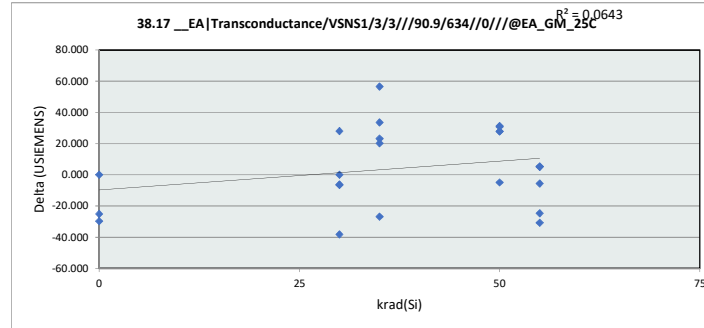


TID HDR Report

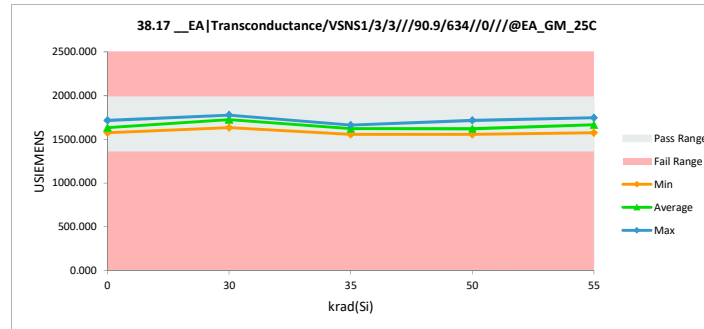
TPS7H4104-SEP

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

38.17 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1684.739	1714.505	-29.766
0	2	1606.639	1606.639	0.000
0	3	1550.175	1575.340	-25.165
30	11	1661.660	1633.686	27.974
30	12	1739.085	1745.341	-6.256
30	13	1770.821	1777.307	-6.487
30	14	1690.609	1690.609	0.000
30	15	1739.085	1777.307	-38.222
35	16	1575.340	1555.144	20.197
35	17	1684.739	1661.660	23.079
35	18	1661.660	1628.204	33.456
35	19	1684.739	1628.204	56.535
35	20	1601.336	1628.204	-26.868
50	30	1606.639	1575.340	31.298
50	31	1655.989	1628.204	27.785
50	32	1655.989	1628.204	27.785
50	33	1550.175	1555.144	-4.969
50	34	1745.341	1714.505	30.836
55	40	1714.505	1745.341	-30.836
55	41	1580.472	1575.340	5.131
55	42	1720.584	1745.341	-24.757
55	43	1655.989	1661.660	-5.671
55	44	1606.639	1601.336	5.302
Max		1770.821	1777.307	56.535
Average		1658.389	1654.459	3.930
Min		1550.175	1555.144	-38.222
Std Dev		64.343	71.056	25.775



38.17 __EA Transconductance					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1575.340	1633.686	1555.144	1555.144	1575.340
Average	1632.161	1724.850	1620.283	1620.279	1665.804
Max	1714.505	1777.307	1661.660	1714.505	1745.341
UL	1982.000	1982.000	1982.000	1982.000	1982.000

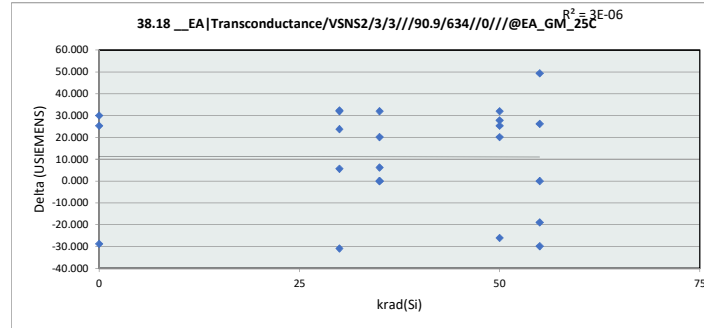


TID HDR Report

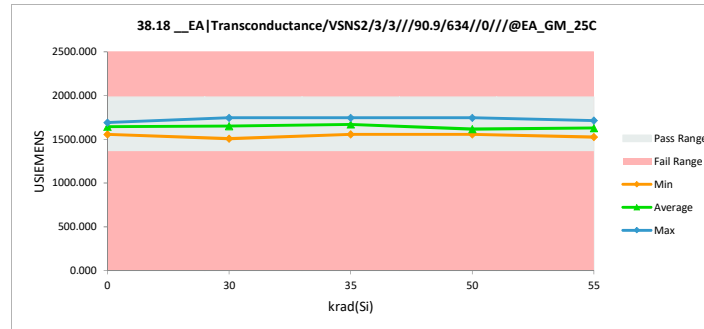
TPS7H4104-SEP

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

38.18 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1720.584	1690.609	29.975
0	2	1580.472	1555.144	25.328
0	3	1655.989	1684.739	-28.750
30	11	1661.660	1655.989	5.671
30	12	1714.505	1745.341	-30.836
30	13	1777.307	1745.341	31.966
30	14	1530.615	1506.847	23.767
30	15	1633.686	1601.336	32.350
35	16	1655.989	1655.989	0.000
35	17	1745.341	1739.085	6.256
35	18	1655.989	1655.989	0.000
35	19	1777.307	1745.341	31.966
35	20	1575.340	1555.144	20.197
50	30	1580.472	1555.144	25.328
50	31	1575.340	1555.144	20.197
50	32	1575.340	1601.336	-25.996
50	33	1655.989	1628.204	27.785
50	34	1777.307	1745.341	31.966
55	40	1606.639	1580.472	26.167
55	41	1684.739	1714.505	-29.766
55	42	1714.505	1714.505	0.000
55	43	1655.989	1606.639	49.351
55	44	1506.847	1525.801	-18.954
	Max	1777.307	1745.341	49.351
	Average	1652.955	1641.912	11.042
	Min	1506.847	1506.847	-30.836
	Std Dev	78.514	79.175	23.867



38.18 __EA Transconductance					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1555.144	1506.847	1555.144	1555.144	1525.801
Average	1643.497	1650.971	1670.310	1617.034	1628.384
Max	1690.609	1745.341	1745.341	1745.341	1714.505
UL	1982.000	1982.000	1982.000	1982.000	1982.000

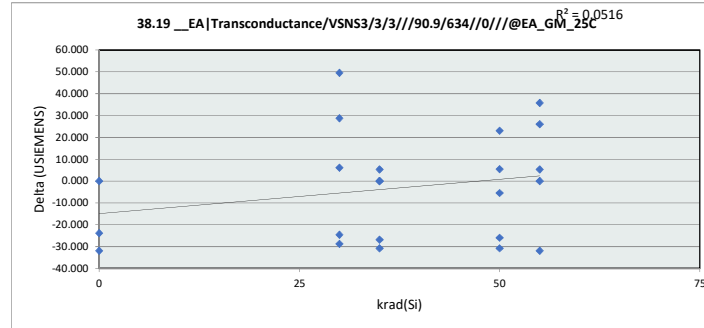


TID HDR Report

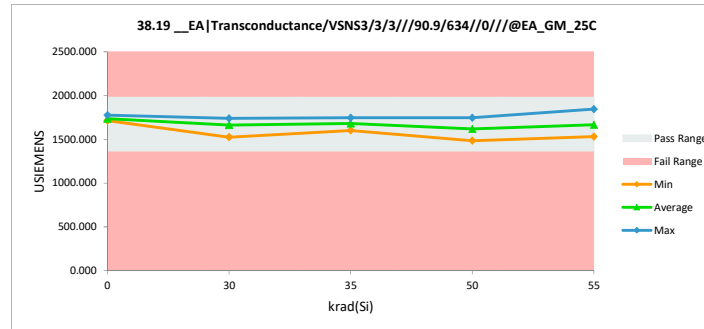
TPS7H4104-SEP

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

38.19 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1745.341	1777.307	-31.966
0	2	1690.609	1714.505	-23.896
0	3	1714.505	1714.505	0.000
30	11	1720.584	1714.505	6.080
30	12	1655.989	1684.739	-28.750
30	13	1684.739	1655.989	28.750
30	14	1575.340	1525.801	49.539
30	15	1714.505	1739.085	-24.581
35	16	1601.336	1628.204	-26.868
35	17	1684.739	1684.739	0.000
35	18	1745.341	1745.341	0.000
35	19	1714.505	1745.341	-30.836
35	20	1606.639	1601.336	5.302
50	30	1506.847	1483.807	23.041
50	31	1633.686	1628.204	5.482
50	32	1575.340	1601.336	-25.996
50	33	1628.204	1633.686	-5.482
50	34	1714.505	1745.341	-30.836
55	40	1745.341	1777.307	-31.966
55	41	1601.336	1575.340	25.996
55	42	1880.639	1844.885	35.754
55	43	1530.615	1530.615	0.000
55	44	1606.639	1601.336	5.302
Max		1880.639	1844.885	49.539
Average		1664.232	1667.533	-3.301
Min		1506.847	1483.807	-31.966
Std Dev		84.386	91.616	24.321



38.19 __EA Transconductance/V					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1714.505	1525.801	1601.336	1483.807	1530.615
Average	1735.439	1664.024	1680.992	1618.475	1665.897
Max	1777.307	1739.085	1745.341	1745.341	1844.885
UL	1982.000	1982.000	1982.000	1982.000	1982.000

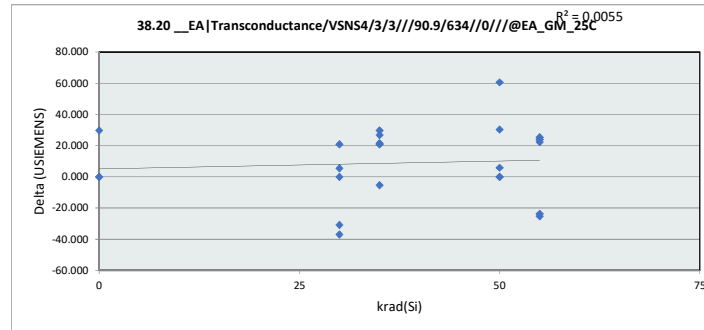


TID HDR Report

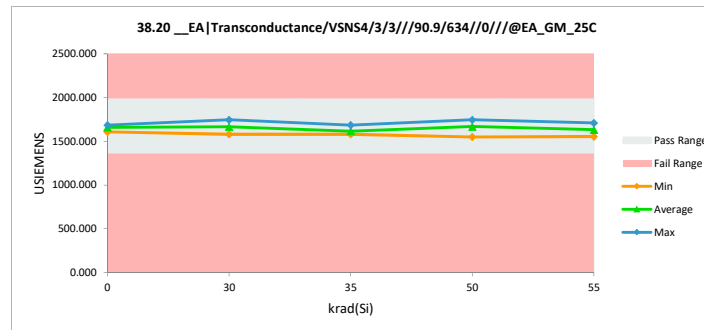
TPS7H4104-SEP

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

38.20 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1684.739	1684.739	0.000
0	2	1606.639	1606.639	0.000
0	3	1714.505	1684.739	29.766
30	11	1714.505	1745.341	-30.836
30	12	1708.468	1745.341	-36.873
30	13	1628.204	1628.204	0.000
30	14	1601.336	1580.472	20.864
30	15	1633.686	1628.204	5.482
35	16	1628.204	1601.336	26.868
35	17	1601.336	1580.472	20.864
35	18	1601.336	1606.639	-5.302
35	19	1714.505	1684.739	29.766
35	20	1628.204	1606.639	21.566
50	30	1745.341	1745.341	0.000
50	31	1690.609	1684.739	5.870
50	32	1580.472	1550.175	30.297
50	33	1684.739	1684.739	0.000
50	34	1745.341	1684.739	60.602
55	40	1580.472	1555.144	25.328
55	41	1684.739	1708.468	-23.729
55	42	1714.505	1690.609	23.896
55	43	1655.989	1633.686	22.303
55	44	1555.144	1580.472	-25.328
	Max	1745.341	1745.341	60.602
	Average	1656.653	1647.896	8.757
	Min	1555.144	1550.175	-36.873
	Std Dev	57.157	61.113	23.330



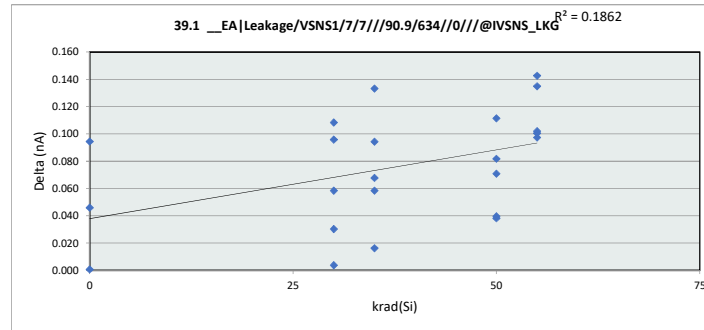
38.20 __EA Transconductance					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1606.639	1580.472	1580.472	1550.175	1555.144
Average	1658.706	1665.512	1615.965	1669.947	1633.676
Max	1684.739	1745.341	1684.739	1745.341	1708.468
UL	1982.000	1982.000	1982.000	1982.000	1982.000



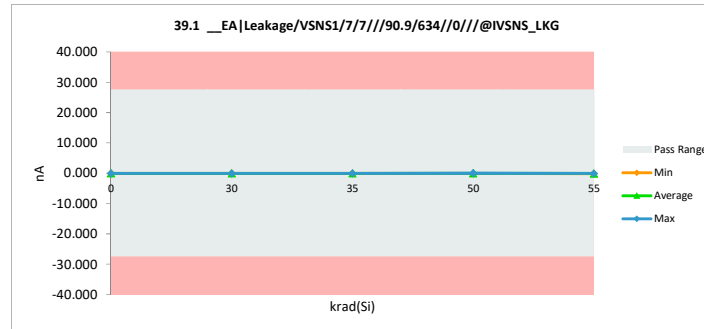
TID HDR Report
TPS7H4104-SEP

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

39.1 __EA Leakage/VSNS1/7/7/90.9/634/0/0///@IVSNS_LKG				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-27.5	-27.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.011	-0.012	0.001
0	2	0.037	-0.057	0.094
0	3	-0.038	-0.084	0.046
30	11	0.022	-0.074	0.096
30	12	-0.011	-0.015	0.004
30	13	-0.003	-0.112	0.108
30	14	0.014	-0.016	0.030
30	15	0.036	-0.023	0.058
35	16	0.017	0.001	0.016
35	17	0.033	-0.062	0.094
35	18	0.045	-0.013	0.058
35	19	0.086	-0.048	0.133
35	20	0.017	-0.051	0.068
50	30	0.042	0.002	0.040
50	31	-0.006	-0.045	0.038
50	32	0.026	-0.085	0.111
50	33	0.058	-0.024	0.082
50	34	0.006	-0.065	0.071
55	40	0.067	-0.068	0.135
55	41	0.081	-0.062	0.143
55	42	0.042	-0.059	0.101
55	43	-0.033	-0.135	0.102
55	44	0.026	-0.071	0.097
Max		0.086	0.002	0.143
Average		0.024	-0.051	0.075
Min		-0.038	-0.135	0.001
Std Dev		0.032	0.035	0.041



39.1 __EA Leakage/VSNS1/7/7/90.9/634/0/0///@IVSNS_LKG					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-27.5	nA			
krad(Si)	0	30	35	50	55
LL	-27.500	-27.500	-27.500	-27.500	-27.500
Min	-0.084	-0.112	-0.062	-0.085	-0.135
Average	-0.051	-0.048	-0.035	-0.043	-0.079
Max	-0.012	-0.015	0.001	0.002	-0.059
UL	27.500	27.500	27.500	27.500	27.500

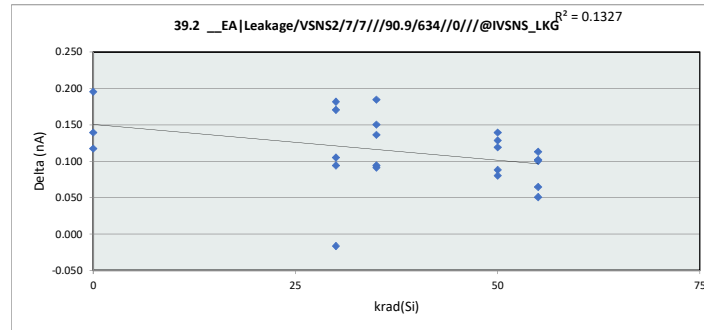


TID HDR Report

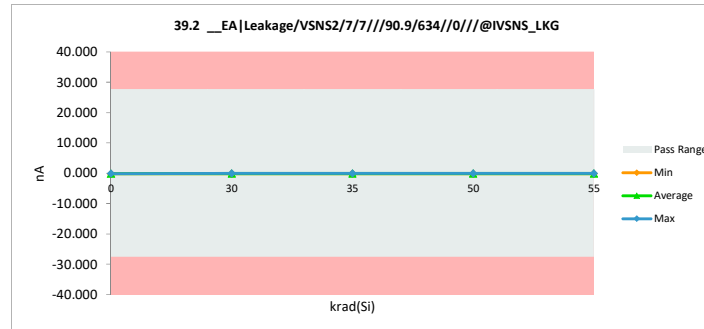
TPS7H4104-SEP

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

39.2 __EA Leakage/VSNS2/7/7/90.9/634/0/0///@IVSNS_LKG				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-27.5	-27.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.046	-0.164	0.117
0	2	0.018	-0.122	0.139
0	3	-0.006	-0.201	0.195
30	11	-0.054	-0.159	0.105
30	12	-0.065	-0.049	-0.016
30	13	0.035	-0.136	0.171
30	14	0.018	-0.076	0.094
30	15	0.054	-0.128	0.182
35	16	0.038	-0.053	0.091
35	17	-0.029	-0.123	0.094
35	18	0.016	-0.134	0.150
35	19	0.044	-0.140	0.185
35	20	0.010	-0.126	0.136
50	30	-0.010	-0.139	0.128
50	31	0.018	-0.070	0.088
50	32	-0.067	-0.147	0.080
50	33	-0.024	-0.164	0.139
50	34	-0.012	-0.131	0.119
55	40	-0.017	-0.119	0.102
55	41	0.015	-0.098	0.113
55	42	0.007	-0.058	0.065
55	43	-0.028	-0.078	0.051
55	44	-0.037	-0.137	0.100
Max		0.054	-0.049	0.195
Average		-0.005	-0.120	0.114
Min		-0.067	-0.201	-0.016
Std Dev		0.035	0.040	0.048



39.2 __EA Leakage/VSNS2/7/7/90.9/634/0/0///@IVSNS_LKG					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-27.5	nA			
krad(Si)	0	30	35	50	55
LL	-27.500	-27.500	-27.500	-27.500	-27.500
Min	-0.201	-0.159	-0.140	-0.164	-0.137
Average	-0.162	-0.110	-0.115	-0.130	-0.098
Max	-0.122	-0.049	-0.053	-0.070	-0.058
UL	27.500	27.500	27.500	27.500	27.500

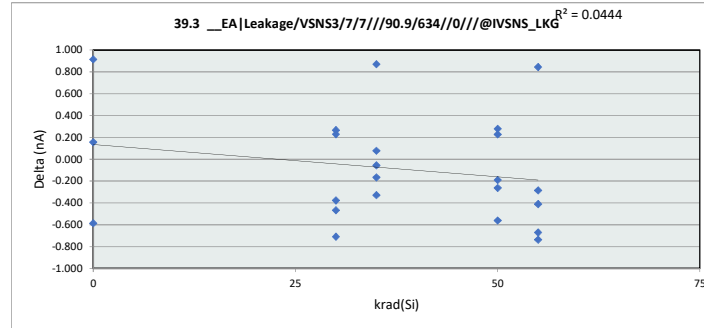


TID HDR Report

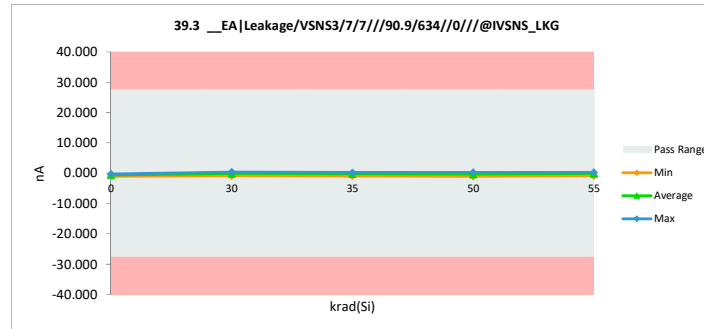
TPS7H4104-SEP

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

39.3 __EA Leakage/VSNS3/7/7				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-27.5	-27.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.817	-0.231	-0.586
0	2	-0.431	-0.587	0.156
0	3	-0.039	-0.954	0.915
30	11	-0.617	-0.846	0.229
30	12	-0.303	0.406	-0.709
30	13	-0.186	0.281	-0.467
30	14	-0.270	0.106	-0.377
30	15	-0.114	-0.381	0.267
35	16	-0.092	0.236	-0.328
35	17	-0.548	-0.382	-0.166
35	18	0.011	-0.860	0.871
35	19	0.009	-0.069	0.078
35	20	-0.024	0.033	-0.057
50	30	-0.434	0.127	-0.561
50	31	0.012	0.275	-0.263
50	32	-0.348	-0.576	0.228
50	33	-0.557	-0.368	-0.189
50	34	-0.704	-0.984	0.280
55	40	0.025	-0.820	0.844
55	41	-0.005	0.280	-0.284
55	42	-0.600	0.136	-0.736
55	43	-0.390	0.020	-0.411
55	44	-0.678	-0.008	-0.670
Max		0.025	0.406	0.915
Average		-0.309	-0.225	-0.084
Min		-0.817	-0.984	-0.736
Std Dev		0.274	0.453	0.497



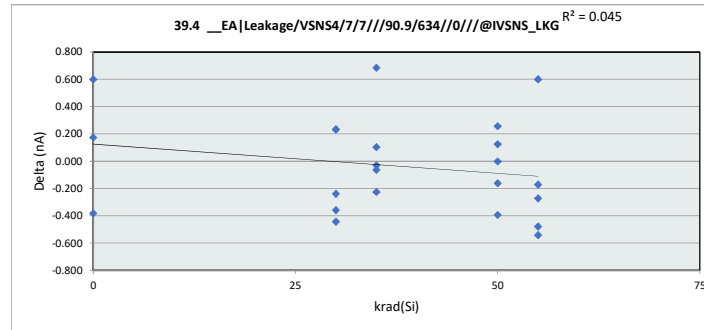
39.3 __EA Leakage/VSNS3/7					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-27.5	nA			
krad(Si)	0	30	35	50	55
LL	-27.500	-27.500	-27.500	-27.500	-27.500
Min	-0.954	-0.846	-0.860	-0.984	-0.820
Average	-0.591	-0.087	-0.208	-0.305	-0.078
Max	-0.231	0.406	0.236	0.275	0.280
UL	27.500	27.500	27.500	27.500	27.500



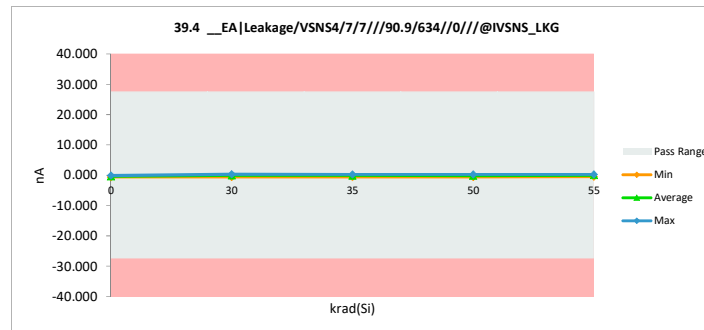
TID HDR Report TPS7H4104-SEP

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

39.4 __EA Leakage/VSNS4/7/7//90.9/634/0/0//@IVSNS_LKG				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	27.5		
Min Limit	-27.5	-27.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	-0.483	-0.101	-0.382
0	2	-0.210	-0.384	0.174
0	3	-0.012	-0.612	0.600
30	11	-0.338	-0.570	0.232
30	12	-0.124	0.318	-0.443
30	13	-0.085	0.273	-0.358
30	14	-0.142	0.097	-0.238
30	15	0.016	-0.217	0.233
35	16	0.029	0.254	-0.226
35	17	-0.231	-0.201	-0.029
35	18	0.096	-0.589	0.684
35	19	0.114	0.011	0.103
35	20	0.069	0.133	-0.063
50	30	-0.246	0.147	-0.393
50	31	0.097	0.259	-0.162
50	32	-0.148	-0.404	0.257
50	33	-0.209	-0.208	-0.001
50	34	-0.455	-0.581	0.125
55	40	0.088	-0.512	0.600
55	41	0.102	0.273	-0.171
55	42	-0.394	0.147	-0.541
55	43	-0.245	0.028	-0.273
55	44	-0.405	0.073	-0.479
Max		0.114	0.318	0.684
Average		-0.136	-0.103	-0.033
Min		-0.483	-0.612	-0.541
Std Dev		0.195	0.324	0.356



39.4 __EA Leakage/VSNS4/7/7//90.9/634/0/0//@IVSNS_LKG					
Test Site					
Tester					
Test Number					
Max Limit	27.5	nA			
Min Limit	-27.5	nA			
krad(Si)	0	30	35	50	55
LL	-27.500	-27.500	-27.500	-27.500	-27.500
Min	-0.612	-0.570	-0.589	-0.581	-0.512
Average	-0.366	-0.020	-0.078	-0.157	0.002
Max	-0.102	0.318	0.254	0.259	0.273
UL	27.500	27.500	27.500	27.500	27.500

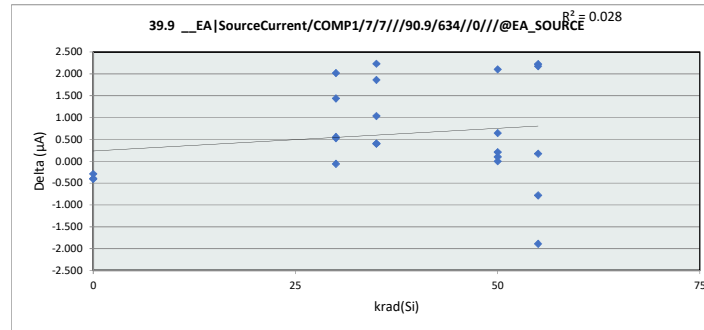


TID HDR Report

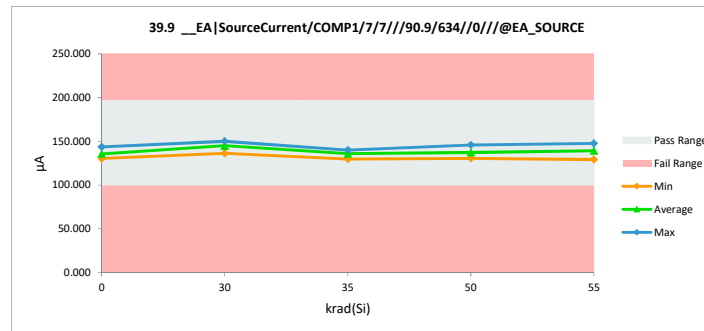
TPS7H4104-SEP

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

39.9 __EA SourceCurrent/COMP1/7/7///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	143.293	143.700	-0.408
0	2	132.688	133.084	-0.396
0	3	129.951	130.242	-0.291
30	11	138.171	136.154	2.017
30	12	149.206	148.680	0.526
30	13	151.394	149.960	1.435
30	14	141.025	141.087	-0.062
30	15	149.125	148.571	0.555
35	16	131.500	129.642	1.858
35	17	142.231	140.002	2.229
35	18	136.401	135.368	1.033
35	19	139.548	139.152	0.396
35	20	135.070	134.663	0.406
50	30	133.859	133.759	0.099
50	31	139.079	138.436	0.643
50	32	137.252	137.045	0.207
50	33	130.605	130.607	-0.002
50	34	147.875	145.772	2.103
55	40	146.703	147.487	-0.784
55	41	129.322	129.151	0.171
55	42	145.673	147.563	-1.890
55	43	138.773	136.550	2.223
55	44	136.908	134.733	2.175
Max		151.394	149.960	2.229
Average		139.376	138.757	0.619
Min		129.322	129.151	-1.890
Std Dev		6.647	6.693	1.106



39.9 __EA SourceCurrent/COMP1/7/7///90.9/634//0///@EA_SOURCE					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	130.242	136.154	129.642	130.607	129.151
Average	135.676	144.890	135.765	137.124	139.097
Max	143.700	149.960	140.002	145.772	147.563
UL	196.600	196.600	196.600	196.600	196.600

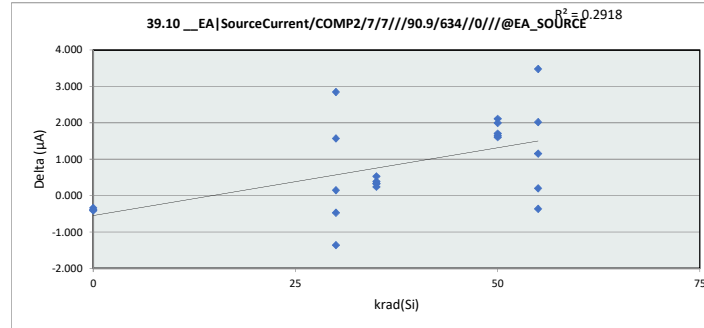


TID HDR Report

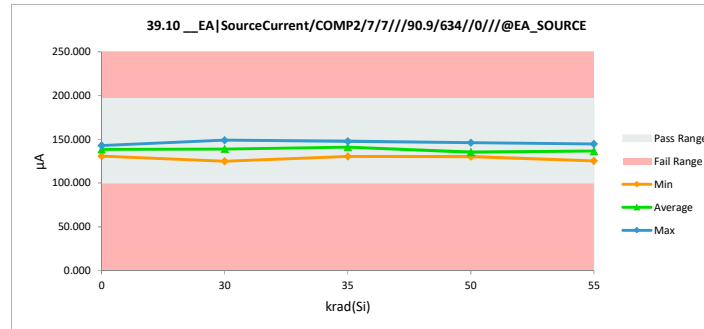
TPS7H4104-SEP

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

39.10 __EA SourceCurrent/COM				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	142.577	142.990	-0.412
0	2	130.535	130.866	-0.332
0	3	141.173	141.554	-0.381
30	11	139.302	139.770	-0.468
30	12	143.644	145.003	-1.360
30	13	151.902	149.055	2.846
30	14	126.566	124.995	1.571
30	15	135.585	135.436	0.149
35	16	139.444	138.911	0.533
35	17	148.132	147.742	0.389
35	18	141.429	141.098	0.331
35	19	147.217	146.976	0.241
35	20	130.836	130.505	0.331
50	30	131.912	130.207	1.705
50	31	133.564	131.961	1.603
50	32	133.994	131.882	2.112
50	33	138.430	136.781	1.649
50	34	148.083	146.086	1.997
55	40	135.496	133.474	2.021
55	41	144.374	144.737	-0.363
55	42	145.730	144.574	1.155
55	43	137.359	133.875	3.483
55	44	125.620	125.416	0.204
	Max	151.902	149.055	3.483
	Average	138.822	137.995	0.826
	Min	125.620	124.995	-1.360
	Std Dev	7.143	7.282	1.215



39.10 __EA SourceCurrent/CO					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	130.866	124.995	130.505	130.207	125.416
Average	138.470	138.852	141.046	135.383	136.415
Max	142.990	149.056	147.742	146.086	144.737
UL	196.600	196.600	196.600	196.600	196.600

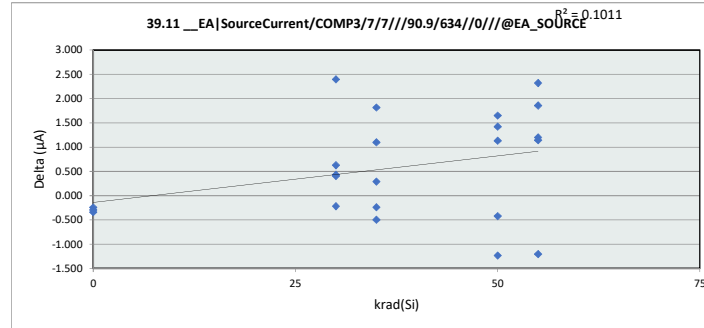


TID HDR Report

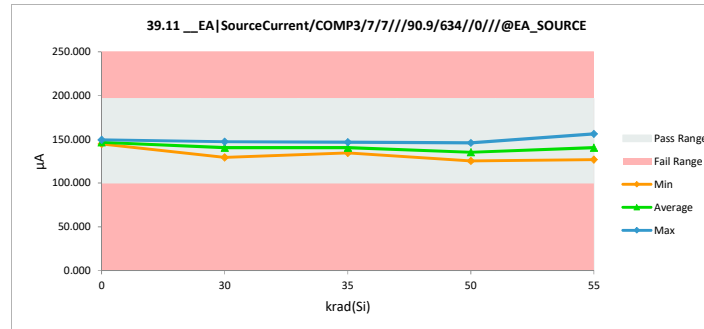
TPS7H4104-SEP

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

39.11 __EA SourceCurrent/COM				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	149.011	149.354	-0.343
0	2	144.437	144.730	-0.294
0	3	144.958	145.203	-0.245
30	11	145.377	144.949	0.428
30	12	139.179	138.773	0.406
30	13	142.367	141.743	0.624
30	14	131.659	129.264	2.394
30	15	147.033	147.252	-0.218
35	16	134.336	134.577	-0.241
35	17	142.947	141.133	1.815
35	18	147.704	146.608	1.096
35	19	146.204	145.916	0.288
35	20	133.882	134.382	-0.500
50	30	126.851	125.204	1.647
50	31	136.521	135.100	1.420
50	32	133.031	134.267	-1.236
50	33	136.796	135.667	1.129
50	34	145.540	145.961	-0.421
55	40	150.598	148.743	1.855
55	41	133.651	134.858	-1.207
55	42	158.515	156.195	2.319
55	43	127.884	126.743	1.141
55	44	137.086	135.887	1.200
Max		158.515	156.195	2.394
Average		140.677	140.109	0.568
Min		126.851	125.204	-1.236
Std Dev		7.893	7.869	1.066



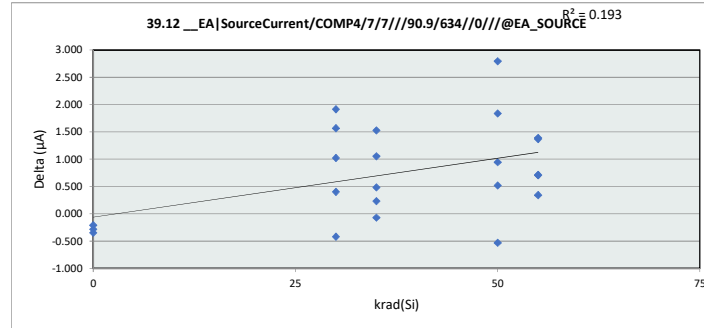
39.11 __EA SourceCurrent/CO					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	144.731	129.264	134.382	125.204	126.743
Average	146.429	140.396	140.523	135.240	140.485
Max	149.354	147.252	146.608	145.961	156.196
UL	196.600	196.600	196.600	196.600	196.600



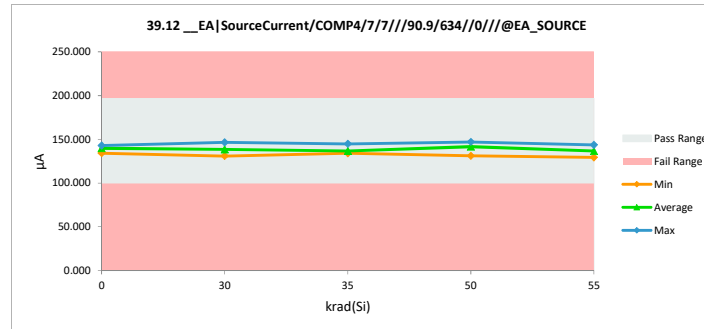
TID HDR Report TPS7H4104-SEP

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

39.12 __EA SourceCurrent/COM				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	196.6	
Min Limit		88	99.4	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	142.495	142.780	-0.286
0	2	133.841	134.051	-0.210
0	3	142.012	142.363	-0.350
30	11	145.055	144.655	0.400
30	12	145.896	146.315	-0.419
30	13	137.825	135.912	1.913
30	14	131.987	130.967	1.019
30	15	136.432	134.868	1.564
35	16	136.896	135.842	1.054
35	17	134.914	134.432	0.482
35	18	135.125	135.196	-0.071
35	19	145.056	144.825	0.232
35	20	135.512	133.984	1.528
50	30	149.766	146.974	2.792
50	31	142.832	143.364	-0.533
50	32	132.891	131.055	1.835
50	33	142.375	141.857	0.518
50	34	145.588	144.645	0.943
55	40	130.649	129.260	1.389
55	41	142.465	142.126	0.339
55	42	144.237	143.533	0.704
55	43	138.784	137.417	1.367
55	44	131.436	130.723	0.712
Max		149.766	146.974	2.792
Average		139.307	138.571	0.736
Min		130.649	129.260	-0.533
Std Dev		5.482	5.676	0.867



39.12 __EA SourceCurrent/CO					
Test Site					
Tester					
Test Number					
Max Limit		196.6	μA		
Min Limit		99.4	μA		
krad(Si)	0	30	35	50	55
LL	99.400	99.400	99.400	99.400	99.400
Min	134.051	130.967	133.984	131.055	129.260
Average	139.731	138.543	136.856	141.579	136.612
Max	142.780	146.315	144.825	146.974	143.533
UL	196.600	196.600	196.600	196.600	196.600

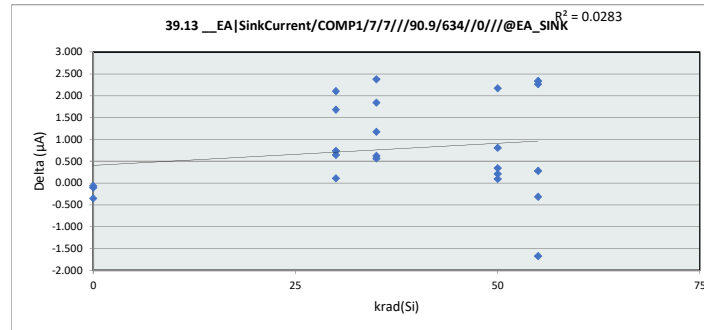


TID HDR Report

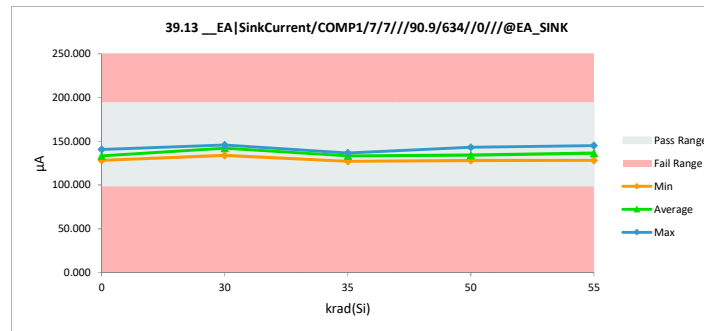
TPS7H4104-SEP

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

39.13 __EA SinkCurrent/COMP1				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		200	193.7	
Min Limit		87	98.3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	140.378	140.730	-0.352
0	2	131.355	131.458	-0.102
0	3	128.113	128.178	-0.065
30	11	136.007	133.905	2.102
30	12	146.287	145.642	0.644
30	13	147.502	145.820	1.682
30	14	140.213	140.105	0.107
30	15	146.039	145.301	0.738
35	16	129.034	127.190	1.844
35	17	139.131	136.755	2.377
35	18	135.166	133.993	1.173
35	19	136.800	136.235	0.565
35	20	133.409	132.782	0.627
50	30	130.784	130.572	0.212
50	31	136.541	135.736	0.805
50	32	133.902	133.561	0.342
50	33	128.087	127.994	0.093
50	34	145.292	143.121	2.171
55	40	143.556	143.868	-0.312
55	41	128.552	128.274	0.277
55	42	143.437	145.107	-1.670
55	43	136.944	134.608	2.336
55	44	133.313	131.047	2.266
Max		147.502	145.820	2.377
Average		136.950	136.173	0.776
Min		128.087	127.190	-1.670
Std Dev		6.260	6.305	1.060



39.13 __EA SinkCurrent/COMP1					
Test Site					
Tester					
Test Number					
Max Limit		193.7	µA		
Min Limit		98.3	µA		
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	128.178	133.905	127.191	127.994	128.274
Average	133.455	142.155	133.391	134.197	136.581
Max	140.730	145.820	136.755	143.121	145.107
UL	193.700	193.700	193.700	193.700	193.700

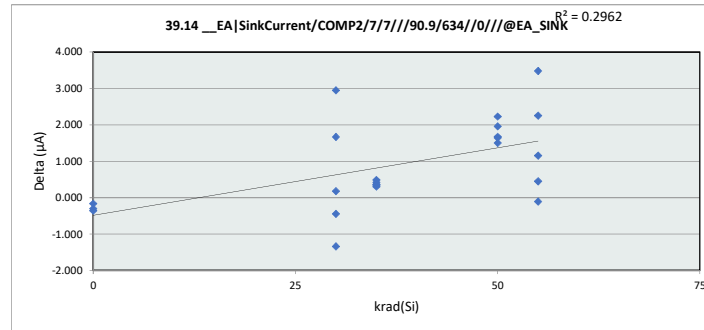


TID HDR Report

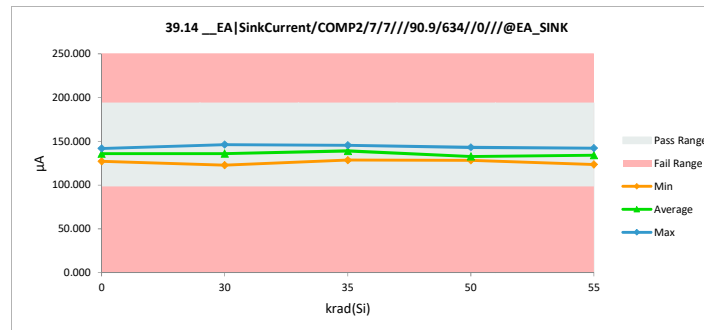
TPS7H4104-SEP

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

39.14 __EA SinkCurrent/COMP2				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		200	193.7	
Min Limit		87	98.3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	141.586	141.887	-0.301
0	2	127.062	127.228	-0.166
0	3	137.650	138.012	-0.362
30	11	136.764	137.210	-0.445
30	12	140.383	141.723	-1.340
30	13	149.237	146.290	2.947
30	14	124.402	122.737	1.665
30	15	132.533	132.359	0.174
35	16	137.900	137.480	0.420
35	17	145.216	144.731	0.485
35	18	139.178	138.816	0.362
35	19	145.843	145.540	0.302
35	20	128.797	128.452	0.345
50	30	129.892	128.220	1.672
50	31	131.167	129.527	1.640
50	32	131.169	128.940	2.229
50	33	135.608	134.105	1.503
50	34	144.927	142.973	1.954
55	40	133.654	131.402	2.252
55	41	142.154	142.261	-0.107
55	42	143.080	141.926	1.154
55	43	135.489	132.011	3.478
55	44	123.963	123.514	0.448
	Max	149.237	146.290	3.478
	Average	136.420	135.537	0.883
	Min	123.963	122.737	-1.340
	Std Dev	7.075	7.218	1.202



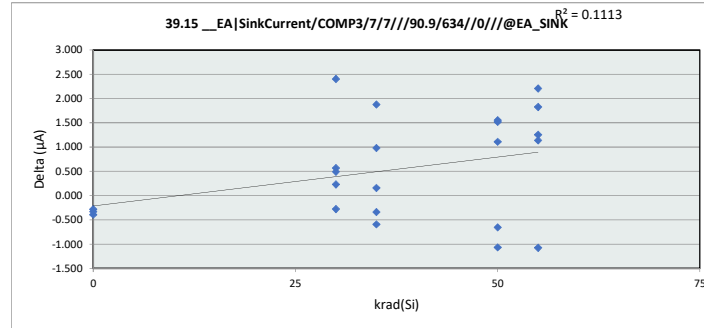
39.14 __EA SinkCurrent/COMP2					
Test Site					
Tester					
Test Number					
Max Limit		193.7	μA		
Min Limit		98.3	μA		
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	127.228	122.737	128.452	128.220	123.514
Average	135.709	136.064	139.004	132.753	134.223
Max	141.887	146.290	145.540	142.973	142.261
UL	193.700	193.700	193.700	193.700	193.700



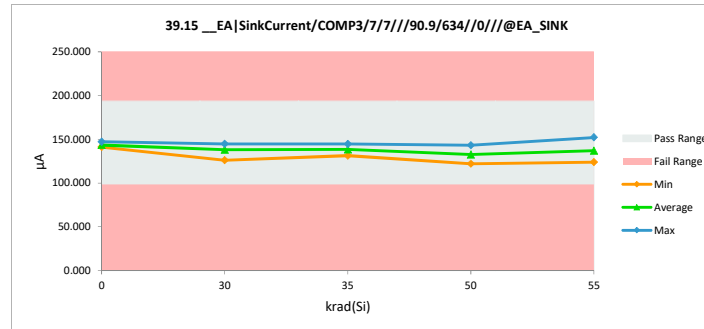
TID HDR Report TPS7H4104-SEP

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

39.15 __EA SinkCurrent/COMP3				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		200	193.7	
Min Limit		87	98.3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	146.755	147.149	-0.393
0	2	140.816	141.097	-0.281
0	3	141.657	141.990	-0.333
30	11	142.924	142.432	0.492
30	12	138.023	137.793	0.231
30	13	139.885	139.317	0.568
30	14	128.503	126.103	2.400
30	15	144.558	144.836	-0.278
35	16	132.202	132.542	-0.340
35	17	140.836	138.959	1.877
35	18	145.580	144.600	0.980
35	19	144.249	144.092	0.158
35	20	130.742	131.335	-0.594
50	30	123.652	122.101	1.552
50	31	134.573	133.057	1.516
50	32	130.521	131.589	-1.068
50	33	134.021	132.916	1.105
50	34	142.484	143.142	-0.657
55	40	147.307	145.482	1.825
55	41	130.181	131.256	-1.075
55	42	154.349	152.143	2.206
55	43	125.070	123.934	1.136
55	44	133.574	132.323	1.251
Max		154.349	152.143	2.400
Average		137.933	137.399	0.534
Min		123.652	122.101	-1.075
Std Dev		7.865	7.887	1.065



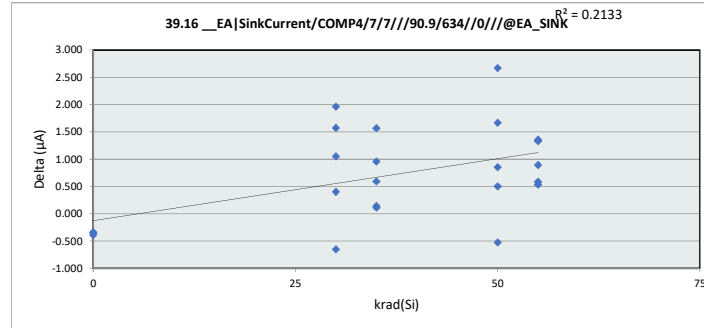
39.15 __EA SinkCurrent/COMP3/7/7///90.9/634/0///@EA_SINK					
Test Site					
Tester					
Test Number					
Max Limit		193.7	µA		
Min Limit		98.3	µA		
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	141.097	126.103	131.335	122.101	123.934
Average	143.412	138.096	138.306	132.561	137.028
Max	147.149	144.836	144.600	143.142	152.144
UL	193.700	193.700	193.700	193.700	193.700



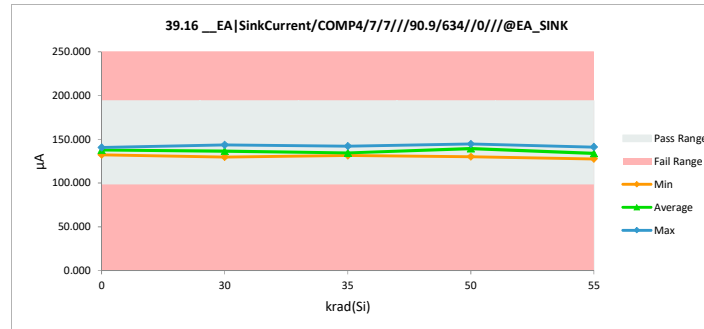
TID HDR Report TPS7H4104-SEP

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

39.16 __EA SinkCurrent/COMP4				
Test Site				
Tester				
Test Number				
Unit	μA	μA		
Max Limit	200	193.7		
Min Limit	87	98.3		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	140.186	140.526	-0.340
0	2	131.822	132.174	-0.351
0	3	139.670	140.062	-0.392
30	11	143.197	142.795	0.402
30	12	142.800	143.455	-0.655
30	13	134.987	133.028	1.959
30	14	130.759	129.709	1.050
30	15	134.573	133.004	1.569
35	16	134.904	133.948	0.955
35	17	132.587	131.995	0.592
35	18	132.430	132.320	0.110
35	19	142.305	142.163	0.143
35	20	132.969	131.404	1.565
50	30	147.199	144.534	2.665
50	31	140.068	140.596	-0.528
50	32	131.626	129.961	1.665
50	33	140.410	139.909	0.501
50	34	142.846	141.995	0.851
55	40	129.012	127.683	1.329
55	41	138.822	138.239	0.583
55	42	141.610	141.077	0.534
55	43	136.180	134.825	1.355
55	44	128.488	127.599	0.889
Max		147.199	144.534	2.665
Average		136.933	136.217	0.715
Min		128.488	127.599	-0.655
Std Dev		5.238	5.461	0.866



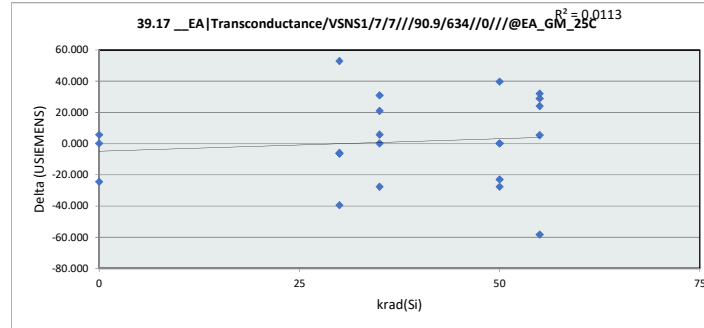
39.16 __EA SinkCurrent/COMP4					
Test Site					
Tester					
Test Number					
Max Limit	193.7	μA			
Min Limit	98.3	μA			
krad(Si)	0	30	35	50	55
LL	98.300	98.300	98.300	98.300	98.300
Min	132.174	129.709	131.405	129.961	127.599
Average	137.587	136.398	134.366	139.399	133.884
Max	140.526	143.455	142.163	144.534	141.077
UL	193.700	193.700	193.700	193.700	193.700



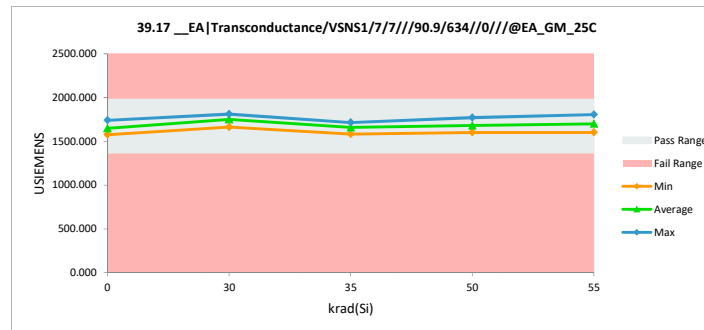
TID HDR Report TPS7H4104-SEP

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

39.17 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1714.505	1739.085	-24.581
0	2	1633.686	1628.204	5.482
0	3	1575.340	1575.340	0.000
30	11	1714.505	1661.660	52.844
30	12	1770.821	1777.307	-6.487
30	13	1770.821	1810.466	-39.645
30	14	1714.505	1720.584	-6.080
30	15	1770.821	1777.307	-6.487
35	16	1601.336	1580.472	20.864
35	17	1745.341	1714.505	30.836
35	18	1661.660	1655.989	5.671
35	19	1684.739	1684.739	0.000
35	20	1628.204	1655.989	-27.785
50	30	1628.204	1655.989	-27.785
50	31	1684.739	1684.739	0.000
50	32	1661.660	1684.739	-23.079
50	33	1601.336	1601.336	0.000
50	34	1810.466	1770.821	39.645
55	40	1777.307	1745.341	31.966
55	41	1606.639	1601.336	5.302
55	42	1745.341	1803.735	-58.394
55	43	1714.505	1690.609	23.896
55	44	1684.739	1655.989	28.750
	Max	1810.466	1810.466	52.844
	Average	1691.357	1690.273	1.084
	Min	1575.340	1575.340	-58.394
	Std Dev	66.923	69.553	26.982



39.17 __EA Transconductance					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1575.340	1661.660	1580.472	1601.336	1601.336
Average	1647.543	1749.465	1658.339	1679.525	1699.402
Max	1739.085	1810.466	1714.505	1770.821	1803.736
UL	1982.000	1982.000	1982.000	1982.000	1982.000

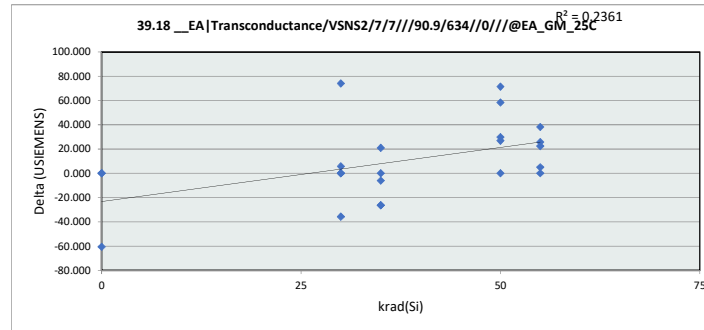


TID HDR Report

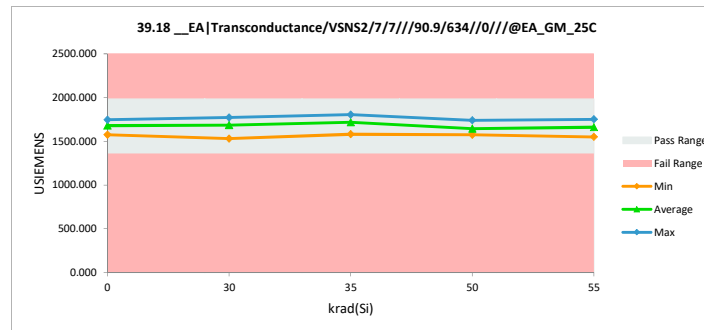
TPS7H4104-SEP

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

39.18 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1714.505	1714.505	0.000
0	2	1575.340	1575.340	0.000
0	3	1684.739	1745.341	-60.602
30	11	1684.739	1720.584	-35.845
30	12	1745.341	1745.341	0.000
30	13	1844.885	1770.821	74.065
30	14	1530.615	1530.615	0.000
30	15	1661.660	1655.989	5.671
35	16	1684.739	1684.739	0.000
35	17	1777.307	1803.735	-26.428
35	18	1708.468	1714.505	-6.037
35	19	1777.307	1803.735	-26.428
35	20	1601.336	1580.472	20.864
50	30	1633.686	1575.340	58.346
50	31	1628.204	1601.336	26.868
50	32	1628.204	1628.204	0.000
50	33	1714.505	1684.739	29.766
50	34	1810.466	1739.085	71.380
55	40	1633.686	1633.686	0.000
55	41	1777.307	1739.085	38.222
55	42	1777.307	1751.642	25.665
55	43	1655.989	1633.686	22.303
55	44	1555.144	1550.175	4.969
	Max	1844.885	1803.735	74.065
	Average	1687.195	1677.509	9.686
	Min	1530.615	1530.615	-60.602
	Std Dev	83.676	82.068	32.288



39.18 __EA Transconductance/V					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1575.340	1530.615	1580.472	1575.340	1550.175
Average	1678.395	1684.670	1717.437	1645.741	1661.655
Max	1745.341	1770.821	1803.736	1739.085	1751.642
UL	1982.000	1982.000	1982.000	1982.000	1982.000

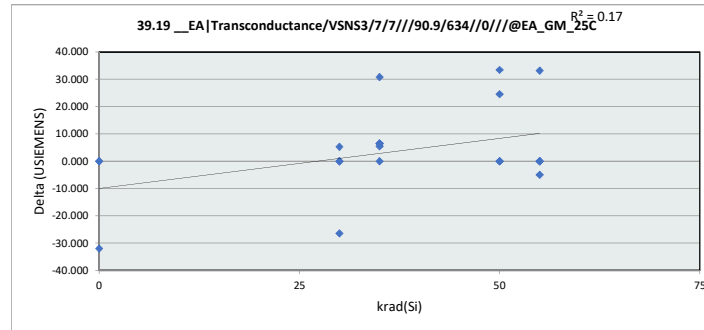


TID HDR Report

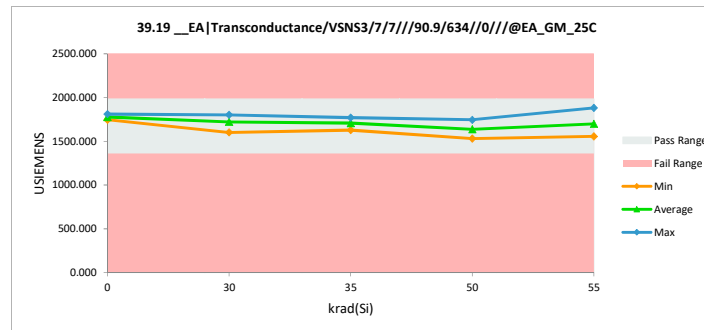
TPS7H4104-SEP

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

39.19 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1810.466	1810.466	0.000
0	2	1745.341	1745.341	0.000
0	3	1745.341	1777.307	-31.966
30	11	1745.341	1745.341	0.000
30	12	1714.505	1714.505	0.000
30	13	1745.341	1745.341	0.000
30	14	1606.639	1601.336	5.302
30	15	1777.307	1803.735	-26.428
35	16	1655.989	1655.989	0.000
35	17	1745.341	1714.505	30.836
35	18	1777.307	1770.821	6.487
35	19	1777.307	1770.821	6.487
35	20	1633.686	1628.204	5.482
50	30	1555.144	1530.615	24.529
50	31	1661.660	1628.204	33.456
50	32	1628.204	1628.204	0.000
50	33	1655.989	1655.989	0.000
50	34	1745.341	1745.341	0.000
55	40	1810.466	1777.307	33.159
55	41	1628.204	1628.204	0.000
55	42	1880.639	1880.639	0.000
55	43	1550.175	1555.144	-4.969
55	44	1655.989	1655.989	0.000
Max		1880.639	1880.639	33.456
Average		1706.597	1703.015	3.582
Min		1550.175	1530.615	-31.966
Std Dev		85.452	88.382	15.614



39.19 __EA Transconductance					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1745.341	1601.336	1628.204	1530.615	1555.144
Average	1777.705	1722.052	1708.068	1637.671	1699.457
Max	1810.466	1803.736	1770.821	1745.341	1880.639
UL	1982.000	1982.000	1982.000	1982.000	1982.000

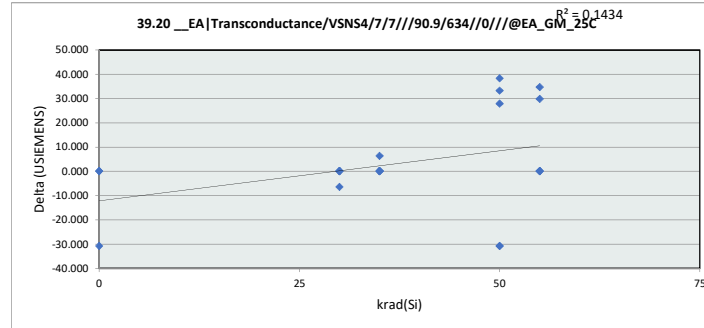


TID HDR Report

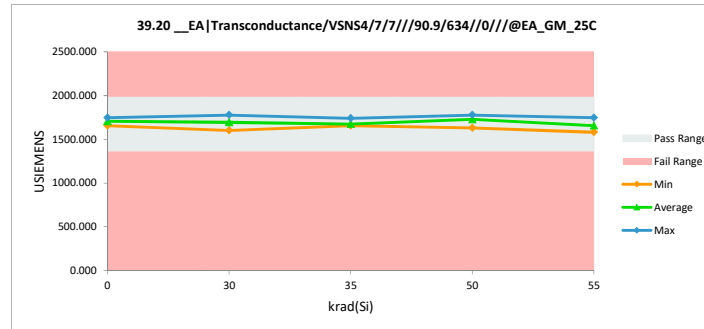
TPS7H4104-SEP

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

39.20 __EA Transconductance/V				
Test Site				
Tester				
Test Number				
Unit	USIEMENS	USIEMENS		
Max Limit	2191	1982		
Min Limit	1153	1362		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1714.505	1745.341	-30.836
0	2	1655.989	1655.989	0.000
0	3	1714.505	1714.505	0.000
30	11	1745.341	1745.341	0.000
30	12	1770.821	1777.307	-6.487
30	13	1684.739	1684.739	0.000
30	14	1601.336	1601.336	0.000
30	15	1655.989	1655.989	0.000
35	16	1655.989	1655.989	0.000
35	17	1655.989	1655.989	0.000
35	18	1655.989	1655.989	0.000
35	19	1745.341	1739.085	6.256
35	20	1655.989	1655.989	0.000
50	30	1810.466	1777.307	33.159
50	31	1714.505	1745.341	-30.836
50	32	1655.989	1628.204	27.785
50	33	1714.505	1745.341	-30.836
50	34	1777.307	1739.085	38.222
55	40	1580.472	1580.472	0.000
55	41	1714.505	1684.739	29.766
55	42	1745.341	1745.341	0.000
55	43	1690.609	1655.989	34.620
55	44	1606.639	1606.639	0.000
Max		1810.466	1777.307	38.222
Average		1692.298	1689.220	3.079
Min		1580.472	1580.472	-30.836
Std Dev		58.647	58.287	19.227



39.20 __EA Transconductance/V					
Test Site					
Tester					
Test Number					
Max Limit	1982	USIEMENS			
Min Limit	1362	USIEMENS			
krad(Si)	0	30	35	50	55
LL	1362.000	1362.000	1362.000	1362.000	1362.000
Min	1655.989	1601.336	1655.989	1628.204	1580.472
Average	1705.278	1692.943	1672.608	1727.056	1654.636
Max	1745.341	1777.307	1739.085	1777.307	1745.341
UL	1982.000	1982.000	1982.000	1982.000	1982.000

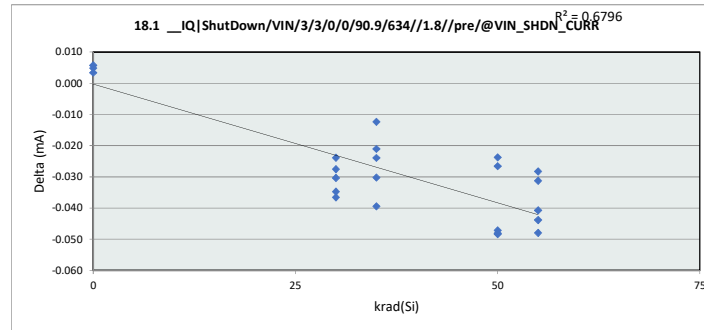


TID HDR Report

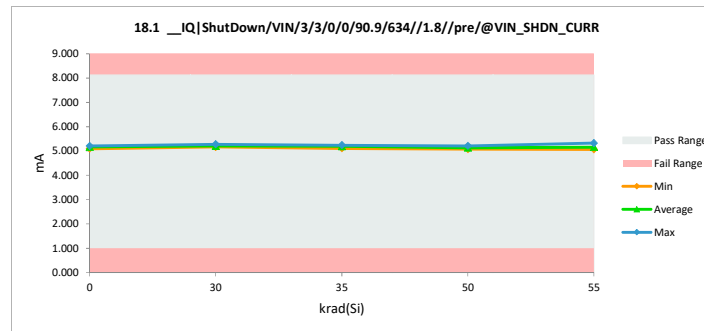
TPS7H4104-SEP

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

18.1 __IQ ShutDown/VIN/3/3/				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		8.5	8.125	
Min Limit		1	1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.212	5.207	0.005
0	2	5.101	5.096	0.006
0	3	5.202	5.199	0.003
30	11	5.183	5.207	-0.024
30	12	5.185	5.221	-0.037
30	13	5.252	5.279	-0.028
30	14	5.134	5.169	-0.035
30	15	5.155	5.185	-0.030
35	16	5.187	5.217	-0.030
35	17	5.224	5.236	-0.012
35	18	5.167	5.190	-0.024
35	19	5.205	5.226	-0.021
35	20	5.068	5.108	-0.039
50	30	5.078	5.101	-0.024
50	31	5.072	5.121	-0.048
50	32	5.048	5.074	-0.027
50	33	5.160	5.208	-0.048
50	34	5.127	5.174	-0.047
55	40	5.110	5.142	-0.031
55	41	5.126	5.174	-0.048
55	42	5.279	5.323	-0.044
55	43	5.054	5.095	-0.041
55	44	5.039	5.067	-0.028
Max		5.279	5.323	0.006
Average		5.146	5.175	-0.028
Min		5.039	5.067	-0.048
Std Dev		0.068	0.066	0.016



18.1 __IQ ShutDown/VIN/3/					
Test Site					
Tester					
Test Number					
Max Limit		8.125	mA		
Min Limit		1	mA		
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	5.096	5.169	5.108	5.074	5.067
Average	5.167	5.212	5.196	5.136	5.160
Max	5.207	5.279	5.236	5.208	5.323
UL	8.125	8.125	8.125	8.125	8.125

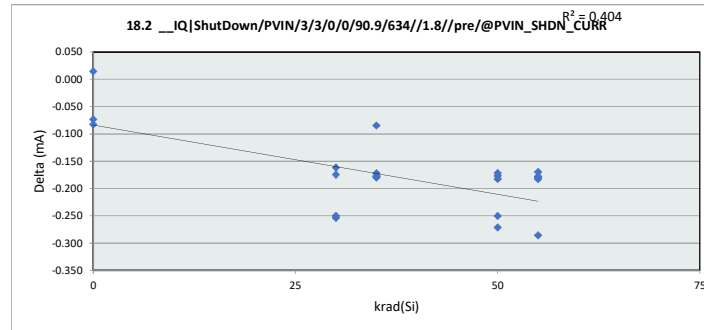


TID HDR Report

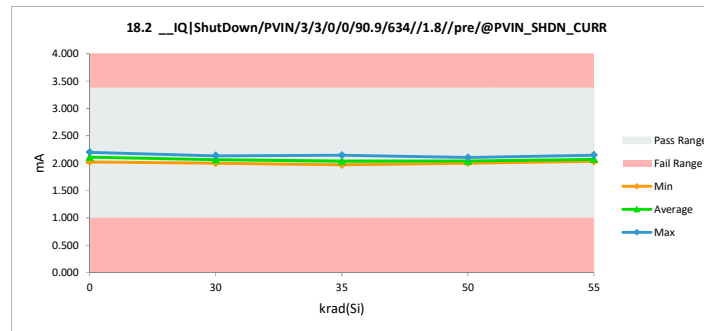
TPS7H4104-SEP

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

18.2 __IQ ShutDown/PVIN/3/3/0/0/90.9/634//1.8//pre/@PVIN_SHDN_CURR				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		4.3	3.375	
Min Limit		1	1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.036	2.021	0.014
0	2	2.032	2.115	-0.083
0	3	2.126	2.200	-0.074
30	11	1.837	1.999	-0.162
30	12	1.861	2.112	-0.250
30	13	1.839	2.014	-0.175
30	14	1.807	2.060	-0.253
30	15	1.880	2.133	-0.254
35	16	1.838	2.015	-0.177
35	17	1.852	2.030	-0.178
35	18	1.972	2.144	-0.172
35	19	1.883	1.968	-0.085
35	20	1.849	2.029	-0.180
50	30	1.828	2.011	-0.183
50	31	1.832	2.104	-0.271
50	32	1.828	2.000	-0.172
50	33	1.844	2.021	-0.177
50	34	1.824	2.075	-0.251
55	40	1.860	2.147	-0.286
55	41	1.889	2.068	-0.179
55	42	1.875	2.053	-0.178
55	43	1.862	2.032	-0.170
55	44	1.863	2.046	-0.183
Max		2.126	2.200	0.014
Average		1.883	2.061	-0.177
Min		1.807	1.968	-0.286
Std Dev		0.080	0.059	0.070



18.2 __IQ ShutDown/PVIN/3/3/0/0/90.9/634//1.8//pre/@PVIN_SHDN_CURR					
Test Site					
Tester					
Test Number					
Max Limit	3.375		mA		
Min Limit	1		mA		
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	2.021	1.999	1.968	2.000	2.032
Average	2.112	2.064	2.037	2.042	2.069
Max	2.200	2.133	2.144	2.104	2.147
UL	3.375	3.375	3.375	3.375	3.375

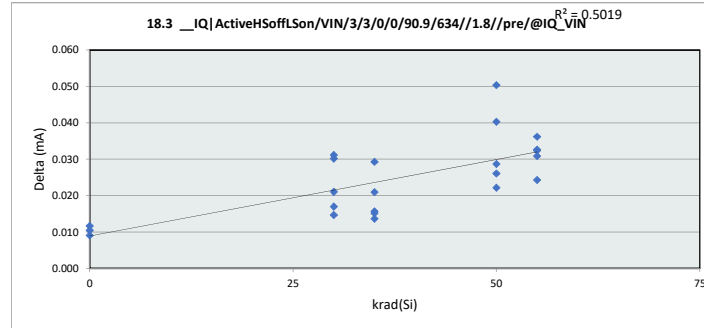


TID HDR Report

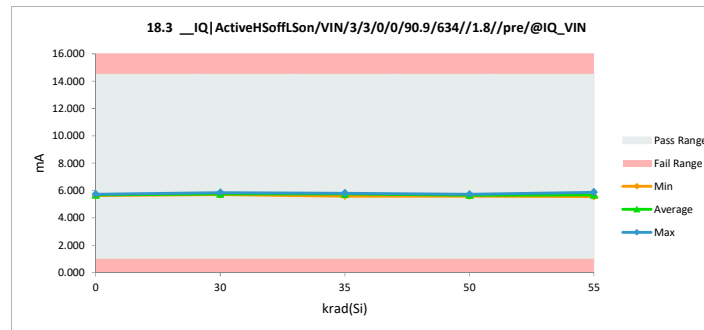
TPS7H4104-SEP

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

18.3 __IQ ActiveHSoffLson/VIN				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		15	14.5	
Min Limit		1	1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.743	5.733	0.010
0	2	5.636	5.624	0.012
0	3	5.707	5.699	0.009
30	11	5.749	5.732	0.017
30	12	5.794	5.779	0.015
30	13	5.873	5.843	0.030
30	14	5.726	5.695	0.031
30	15	5.721	5.700	0.021
35	16	5.773	5.758	0.015
35	17	5.802	5.773	0.029
35	18	5.761	5.741	0.021
35	19	5.826	5.810	0.016
35	20	5.612	5.599	0.014
50	30	5.698	5.647	0.050
50	31	5.664	5.635	0.029
50	32	5.634	5.594	0.040
50	33	5.741	5.719	0.022
50	34	5.718	5.692	0.026
55	40	5.698	5.661	0.036
55	41	5.720	5.696	0.024
55	42	5.906	5.874	0.032
55	43	5.618	5.587	0.031
55	44	5.599	5.566	0.033
Max		5.906	5.874	0.050
Average		5.727	5.702	0.024
Min		5.599	5.566	0.009
Std Dev		0.080	0.082	0.010



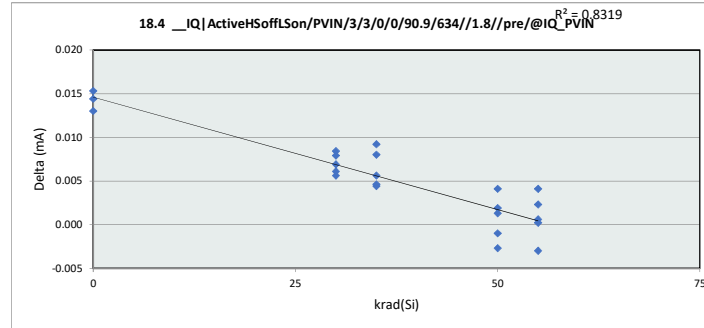
18.3 __IQ ActiveHSoffLson/VIN					
Test Site					
Tester					
Test Number					
Max Limit	14.5	mA			
Min Limit	1	mA			
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	5.624	5.695	5.599	5.594	5.566
Average	5.685	5.750	5.736	5.657	5.677
Max	5.733	5.843	5.810	5.719	5.874
UL	14.500	14.500	14.500	14.500	14.500



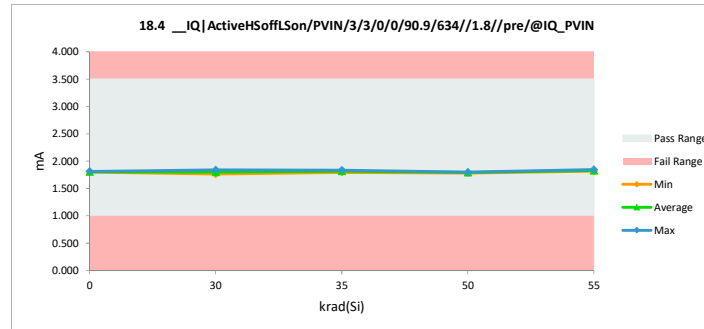
TID HDR Report TPS7H4104-SEP

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

18.4 __IQ ActiveHSoffLson/PVIN				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		3.7	3.5	
Min Limit		1	1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.828	1.812	0.015
0	2	1.819	1.804	0.014
0	3	1.813	1.800	0.013
30	11	1.792	1.783	0.008
30	12	1.826	1.820	0.006
30	13	1.800	1.793	0.007
30	14	1.769	1.763	0.006
30	15	1.849	1.841	0.008
35	16	1.805	1.795	0.009
35	17	1.813	1.807	0.006
35	18	1.842	1.834	0.008
35	19	1.842	1.837	0.004
35	20	1.814	1.809	0.005
50	30	1.796	1.796	-0.001
50	31	1.795	1.797	-0.003
50	32	1.796	1.795	0.002
50	33	1.799	1.798	0.001
50	34	1.790	1.786	0.004
55	40	1.813	1.816	-0.003
55	41	1.849	1.846	0.002
55	42	1.847	1.843	0.004
55	43	1.823	1.822	0.001
55	44	1.816	1.815	0.000
Max		1.849	1.846	0.015
Average		1.814	1.809	0.005
Min		1.769	1.763	-0.003
Std Dev		0.021	0.021	0.005



18.4 __IQ ActiveHSoffLson/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	3.5	mA			
Min Limit	1	mA			
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	1.800	1.764	1.795	1.786	1.815
Average	1.806	1.800	1.817	1.794	1.829
Max	1.812	1.841	1.837	1.798	1.846
UL	3.500	3.500	3.500	3.500	3.500

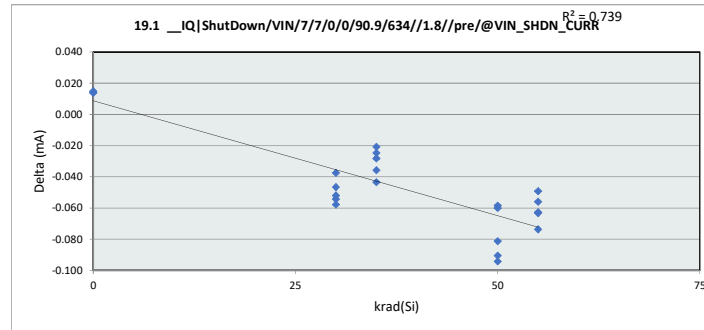


TID HDR Report

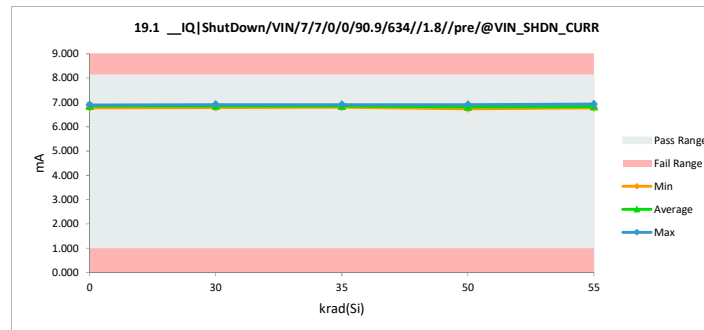
TPS7H4104-SEP

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

19.1 __IQ ShutDown/VIN/7/7/				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	8.5	8.125		
Min Limit	1	1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.911	6.897	0.014
0	2	6.789	6.775	0.015
0	3	6.888	6.874	0.014
30	11	6.832	6.870	-0.038
30	12	6.800	6.846	-0.047
30	13	6.850	6.908	-0.058
30	14	6.736	6.790	-0.054
30	15	6.816	6.868	-0.052
35	16	6.826	6.861	-0.036
35	17	6.886	6.906	-0.021
35	18	6.791	6.816	-0.025
35	19	6.857	6.885	-0.028
35	20	6.756	6.799	-0.044
50	30	6.716	6.777	-0.060
50	31	6.736	6.795	-0.059
50	32	6.651	6.733	-0.081
50	33	6.812	6.907	-0.094
50	34	6.758	6.849	-0.091
55	40	6.733	6.782	-0.049
55	41	6.753	6.827	-0.074
55	42	6.863	6.926	-0.063
55	43	6.760	6.823	-0.063
55	44	6.721	6.777	-0.056
Max		6.911	6.926	0.015
Average		6.793	6.839	-0.046
Min		6.651	6.733	-0.094
Std Dev		0.065	0.054	0.030



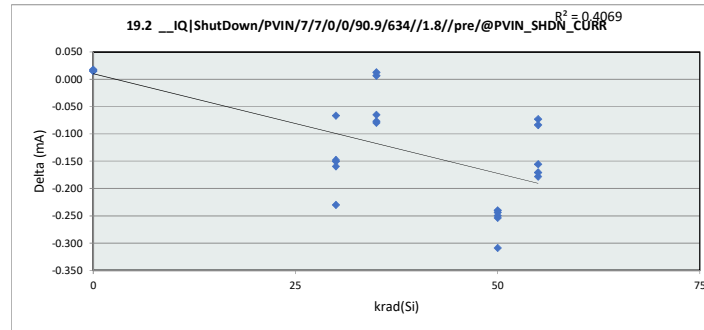
19.1 __IQ ShutDown/VIN/7/7/					
Test Site					
Tester					
Test Number					
Max Limit	8.125	mA			
Min Limit	1	mA			
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	6.775	6.790	6.800	6.733	6.777
Average	6.849	6.857	6.854	6.812	6.827
Max	6.897	6.908	6.907	6.907	6.926
UL	8.125	8.125	8.125	8.125	8.125



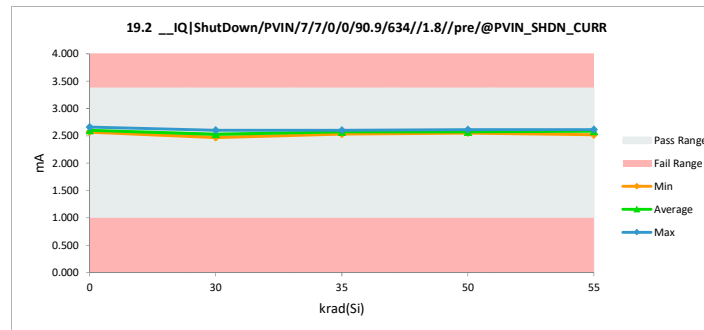
TID HDR Report TPS7H4104-SEP

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

19.2 __IQ ShutDown/PVIN/7/7/0/0/90.9/634//1.8//pre/@PVIN_SHDN_CURR				
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		4.3	3.375	
Min Limit		1	1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.590	2.572	0.018
0	2	2.585	2.570	0.015
0	3	2.673	2.658	0.015
30	11	2.403	2.470	-0.067
30	12	2.418	2.566	-0.148
30	13	2.325	2.485	-0.160
30	14	2.372	2.522	-0.150
30	15	2.370	2.600	-0.230
35	16	2.495	2.560	-0.065
35	17	2.507	2.584	-0.077
35	18	2.612	2.600	0.012
35	19	2.536	2.530	0.006
35	20	2.507	2.587	-0.080
50	30	2.307	2.561	-0.254
50	31	2.317	2.567	-0.250
50	32	2.311	2.551	-0.240
50	33	2.324	2.568	-0.244
50	34	2.303	2.612	-0.309
55	40	2.428	2.606	-0.178
55	41	2.540	2.613	-0.073
55	42	2.440	2.596	-0.156
55	43	2.507	2.591	-0.084
55	44	2.347	2.518	-0.171
Max		2.673	2.658	0.018
Average		2.444	2.569	-0.125
Min		2.303	2.470	-0.309
Std Dev		0.112	0.043	0.101



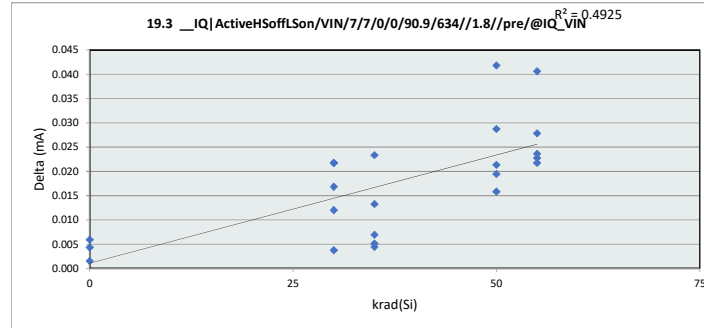
19.2 __IQ ShutDown/PVIN/7/7/0/0/90.9/634//1.8//pre/@PVIN_SHDN_CURR					
Test Site					
Tester					
Test Number					
Max Limit		3.375	mA		
Min Limit		1	mA		
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	2.570	2.470	2.530	2.551	2.518
Average	2.600	2.529	2.572	2.572	2.585
Max	2.658	2.600	2.600	2.612	2.613
UL	3.375	3.375	3.375	3.375	3.375



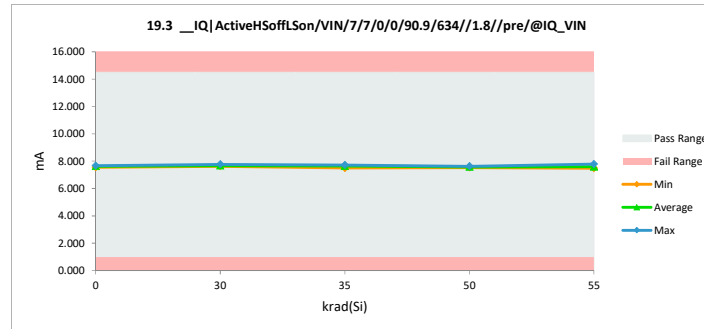
TID HDR Report
TPS7H4104-SEP

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

19.3 __IQ ActiveHSoffLson/VIN				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	15	14.5		
Min Limit	1	1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	7.668	7.667	0.002
0	2	7.561	7.555	0.006
0	3	7.645	7.641	0.004
30	11	7.680	7.663	0.017
30	12	7.713	7.709	0.004
30	13	7.785	7.764	0.022
30	14	7.642	7.620	0.022
30	15	7.656	7.644	0.012
35	16	7.661	7.654	0.007
35	17	7.698	7.675	0.023
35	18	7.675	7.661	0.013
35	19	7.726	7.722	0.004
35	20	7.501	7.496	0.005
50	30	7.624	7.583	0.042
50	31	7.576	7.554	0.021
50	32	7.562	7.533	0.029
50	33	7.646	7.630	0.016
50	34	7.648	7.628	0.019
55	40	7.635	7.595	0.041
55	41	7.646	7.623	0.024
55	42	7.808	7.786	0.022
55	43	7.534	7.511	0.023
55	44	7.508	7.480	0.028
Max		7.808	7.786	0.042
Average		7.643	7.626	0.018
Min		7.501	7.480	0.002
Std Dev		0.078	0.080	0.011



19.3 __IQ ActiveHSoffLson/VIN					
Test Site					
Tester					
Test Number					
Max Limit	14.5	mA			
Min Limit	1	mA			
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	7.555	7.620	7.496	7.533	7.480
Average	7.621	7.680	7.642	7.586	7.599
Max	7.667	7.764	7.722	7.630	7.786
UL	14.500	14.500	14.500	14.500	14.500

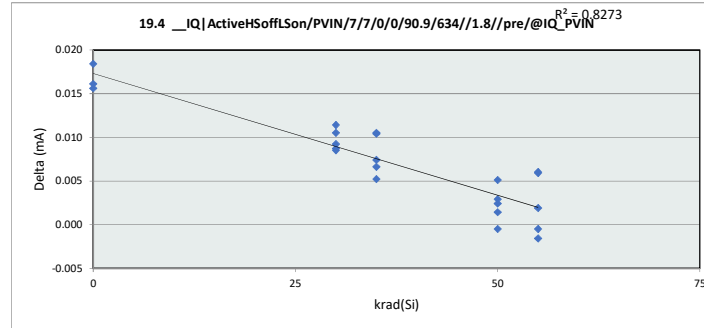


TID HDR Report

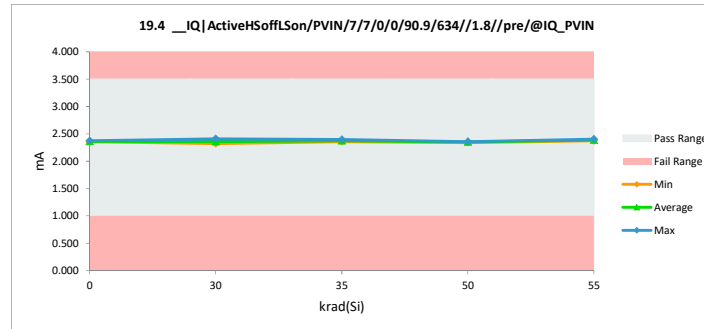
TPS7H4104-SEP

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

19.4 __IQ ActiveHSoffLson/PVIN				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	3.7	3.5		
Min Limit	1	1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.390	2.372	0.018
0	2	2.372	2.356	0.016
0	3	2.379	2.363	0.016
30	11	2.355	2.345	0.010
30	12	2.380	2.371	0.009
30	13	2.361	2.351	0.009
30	14	2.332	2.323	0.009
30	15	2.417	2.406	0.011
35	16	2.367	2.357	0.010
35	17	2.377	2.369	0.007
35	18	2.397	2.386	0.010
35	19	2.403	2.396	0.007
35	20	2.374	2.369	0.005
50	30	2.352	2.351	0.001
50	31	2.355	2.356	0.000
50	32	2.359	2.356	0.003
50	33	2.357	2.355	0.002
50	34	2.346	2.341	0.005
55	40	2.371	2.373	-0.002
55	41	2.406	2.400	0.006
55	42	2.404	2.398	0.006
55	43	2.385	2.384	0.002
55	44	2.376	2.376	-0.001
Max		2.417	2.406	0.018
Average		2.375	2.368	0.007
Min		2.332	2.323	-0.002
Std Dev		0.021	0.021	0.005



19.4 __IQ ActiveHSoffLson/PVIN					
Test Site					
Tester					
Test Number					
Max Limit	3.5	mA			
Min Limit	1	mA			
krad(Si)	0	30	35	50	55
LL	1.000	1.000	1.000	1.000	1.000
Min	2.356	2.323	2.357	2.341	2.373
Average	2.364	2.359	2.376	2.352	2.386
Max	2.372	2.406	2.396	2.356	2.400
UL	3.500	3.500	3.500	3.500	3.500

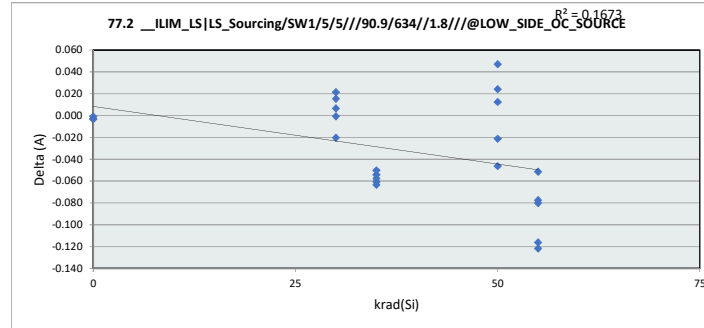


TID HDR Report

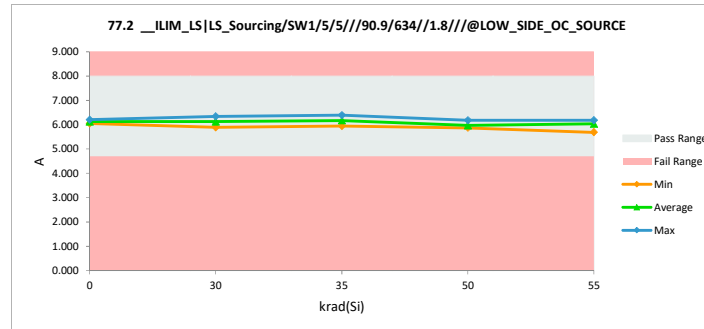
TPS7H4104-SEP

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

77.2 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.043	6.046	-0.003
0	2	6.203	6.204	-0.001
0	3	6.143	6.147	-0.003
30	11	6.116	6.109	0.006
30	12	6.286	6.264	0.021
30	13	6.341	6.342	-0.001
30	14	6.026	6.046	-0.020
30	15	5.908	5.892	0.015
35	16	6.326	6.389	-0.063
35	17	5.980	6.041	-0.061
35	18	6.120	6.174	-0.054
35	19	6.269	6.327	-0.058
35	20	5.889	5.939	-0.050
50	30	5.915	5.868	0.047
50	31	5.973	5.961	0.012
50	32	5.831	5.877	-0.046
50	33	6.163	6.184	-0.021
50	34	5.991	5.967	0.024
55	40	6.055	6.177	-0.122
55	41	5.976	6.092	-0.116
55	42	5.984	6.061	-0.078
55	43	5.607	5.688	-0.080
55	44	6.128	6.180	-0.051
Max		6.341	6.389	0.047
Average		6.055	6.086	-0.031
Min		5.607	5.688	-0.122
Std Dev		0.173	0.171	0.045



77.2 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	6.046	5.892	5.939	5.868	5.688
Average	6.132	6.131	6.174	5.972	6.040
Max	6.204	6.342	6.389	6.184	6.180
UL	8.000	8.000	8.000	8.000	8.000

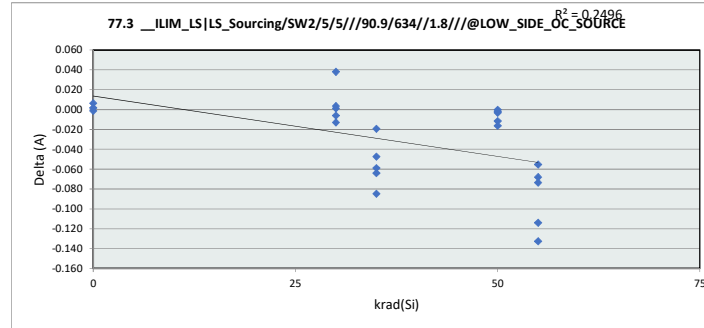


TID HDR Report

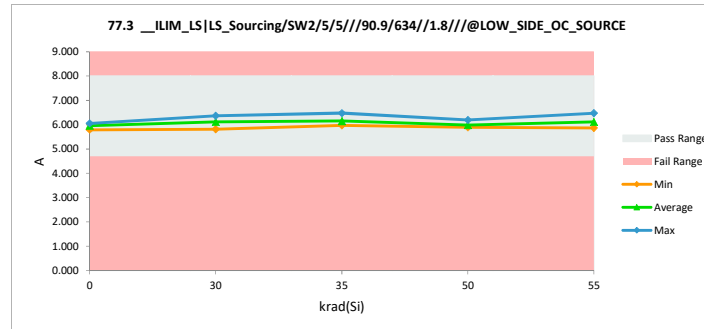
TPS7H4104-SEP

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

77.3 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.058	6.056	0.002
0	2	5.798	5.792	0.006
0	3	6.038	6.039	-0.001
30	11	6.298	6.294	0.004
30	12	5.810	5.816	-0.006
30	13	6.405	6.367	0.038
30	14	6.083	6.096	-0.013
30	15	5.985	5.984	0.001
35	16	6.269	6.317	-0.047
35	17	5.908	5.967	-0.059
35	18	5.968	5.987	-0.019
35	19	5.942	6.006	-0.064
35	20	6.393	6.478	-0.085
50	30	5.920	5.937	-0.016
50	31	5.988	5.991	-0.003
50	32	5.905	5.917	-0.011
50	33	6.191	6.191	0.000
50	34	5.888	5.890	-0.002
55	40	5.838	5.912	-0.074
55	41	6.253	6.367	-0.114
55	42	6.341	6.474	-0.133
55	43	5.879	5.934	-0.055
55	44	5.798	5.866	-0.068
Max		6.405	6.478	0.038
Average		6.042	6.073	-0.031
Min		5.798	5.792	-0.133
Std Dev		0.199	0.210	0.043



77.3 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.792	5.816	5.967	5.890	5.866
Average	5.962	6.112	6.151	5.985	6.110
Max	6.056	6.367	6.478	6.191	6.474
UL	8.000	8.000	8.000	8.000	8.000

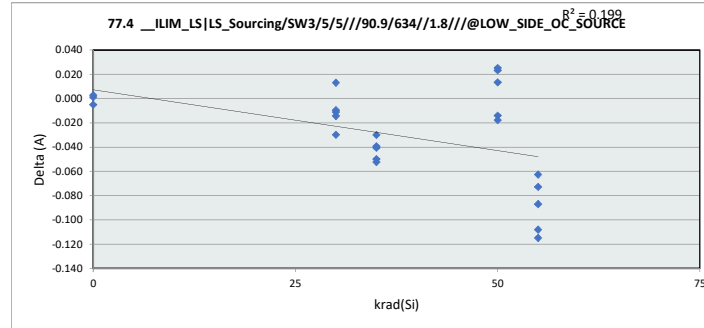


TID HDR Report

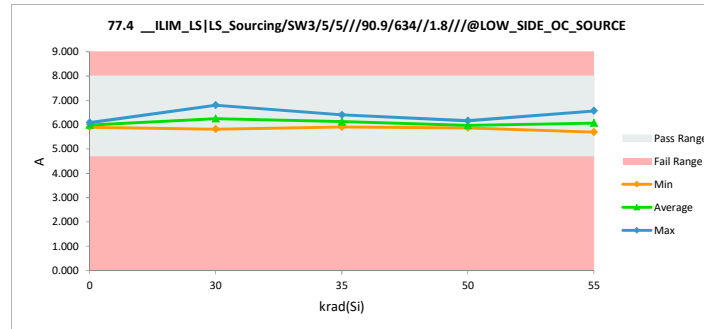
TPS7H4104-SEP

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

77.4 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.895	5.894	0.001
0	2	5.991	5.989	0.003
0	3	6.079	6.084	-0.005
30	11	6.326	6.336	-0.010
30	12	6.782	6.796	-0.015
30	13	6.239	6.269	-0.030
30	14	6.031	6.018	0.013
30	15	5.806	5.818	-0.011
35	16	5.976	6.016	-0.041
35	17	6.046	6.077	-0.030
35	18	6.182	6.221	-0.039
35	19	6.346	6.399	-0.052
35	20	5.851	5.901	-0.050
50	30	5.944	5.919	0.025
50	31	5.886	5.863	0.023
50	32	5.892	5.879	0.013
50	33	6.011	6.029	-0.018
50	34	6.147	6.161	-0.014
55	40	6.116	6.224	-0.108
55	41	5.856	5.943	-0.087
55	42	6.451	6.567	-0.115
55	43	5.628	5.691	-0.063
55	44	5.833	5.906	-0.073
Max		6.782	6.796	0.025
Average		6.057	6.087	-0.030
Min		5.628	5.691	-0.115
Std Dev		0.251	0.258	0.039



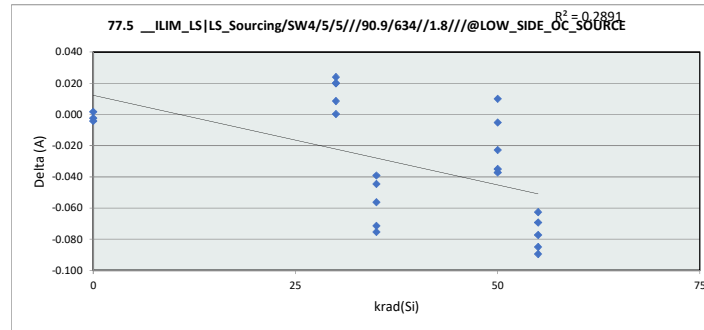
77.4 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.894	5.818	5.901	5.863	5.691
Average	5.989	6.247	6.123	5.970	6.066
Max	6.084	6.796	6.399	6.161	6.567
UL	8.000	8.000	8.000	8.000	8.000



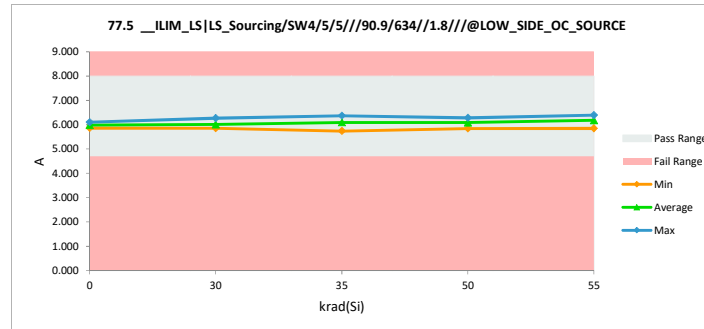
TID HDR Report TPS7H4104-SEP

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

77.5 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.999	6.001	-0.003
0	2	5.863	5.861	0.002
0	3	6.099	6.103	-0.004
30	11	5.952	5.943	0.009
30	12	5.999	5.979	0.020
30	13	6.295	6.271	0.024
30	14	5.856	5.856	0.000
30	15	6.004	5.984	0.020
35	16	6.297	6.369	-0.072
35	17	6.183	6.259	-0.076
35	18	6.171	6.216	-0.045
35	19	5.840	5.897	-0.056
35	20	5.699	5.739	-0.039
50	30	6.295	6.285	0.010
50	31	6.178	6.201	-0.023
50	32	6.063	6.069	-0.005
50	33	6.011	6.049	-0.037
50	34	5.809	5.844	-0.035
55	40	6.224	6.309	-0.085
55	41	6.314	6.391	-0.077
55	42	6.329	6.391	-0.063
55	43	5.904	5.973	-0.069
55	44	5.761	5.851	-0.090
Max		6.329	6.391	0.024
Average		6.050	6.080	-0.030
Min		5.699	5.739	-0.090
Std Dev		0.194	0.201	0.038



77.5 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.861	5.856	5.739	5.844	5.851
Average	5.989	6.007	6.096	6.090	6.183
Max	6.103	6.271	6.369	6.285	6.391
UL	8.000	8.000	8.000	8.000	8.000

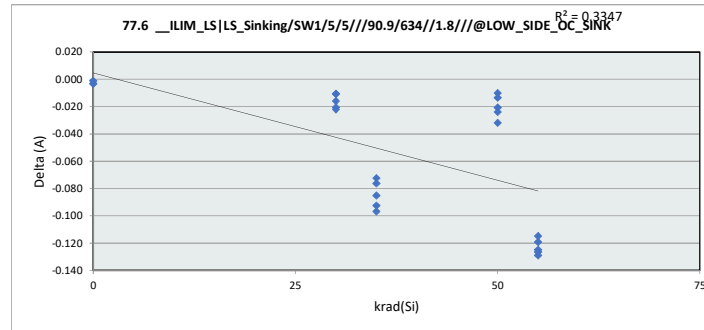


TID HDR Report

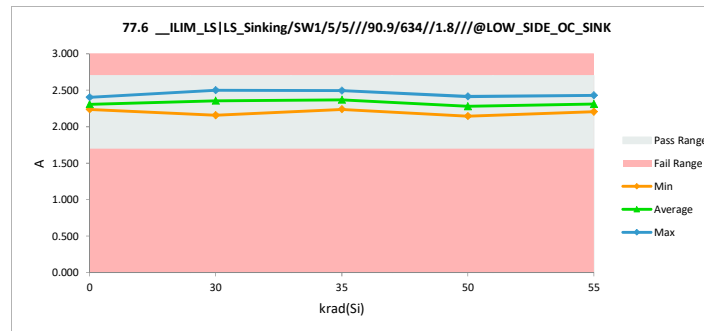
TPS7H4104-SEP

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

77.6 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.7		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.287	2.290	-0.003
0	2	2.398	2.401	-0.003
0	3	2.235	2.236	-0.001
30	11	2.333	2.354	-0.021
30	12	2.477	2.499	-0.022
30	13	2.440	2.451	-0.011
30	14	2.303	2.319	-0.016
30	15	2.146	2.157	-0.011
35	16	2.354	2.451	-0.097
35	17	2.166	2.239	-0.073
35	18	2.348	2.425	-0.076
35	19	2.408	2.493	-0.085
35	20	2.145	2.237	-0.093
50	30	2.311	2.324	-0.014
50	31	2.233	2.254	-0.021
50	32	2.133	2.143	-0.010
50	33	2.382	2.414	-0.032
50	34	2.241	2.265	-0.024
55	40	2.301	2.428	-0.127
55	41	2.178	2.307	-0.129
55	42	2.236	2.361	-0.125
55	43	2.088	2.203	-0.115
55	44	2.138	2.258	-0.119
Max		2.477	2.499	-0.001
Average		2.273	2.326	-0.053
Min		2.088	2.143	-0.129
Std Dev		0.110	0.105	0.048



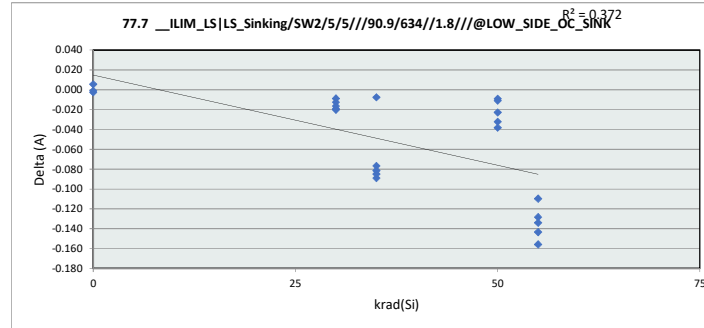
77.6 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.7	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.236	2.157	2.238	2.143	2.203
Average	2.309	2.356	2.369	2.280	2.311
Max	2.401	2.499	2.493	2.414	2.428
UL	2.700	2.700	2.700	2.700	2.700



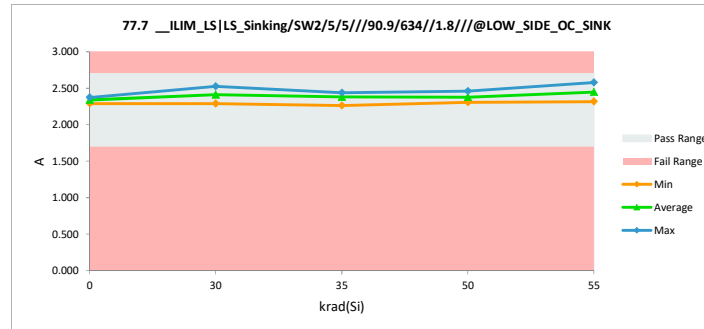
TID HDR Report
TPS7H4104-SEP

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

77.7 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.7		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.354	2.355	-0.001
0	2	2.296	2.291	0.005
0	3	2.369	2.372	-0.003
30	11	2.481	2.498	-0.017
30	12	2.281	2.294	-0.013
30	13	2.505	2.525	-0.019
30	14	2.444	2.453	-0.009
30	15	2.267	2.287	-0.021
35	16	2.320	2.397	-0.077
35	17	2.293	2.374	-0.082
35	18	2.254	2.262	-0.008
35	19	2.352	2.438	-0.085
35	20	2.336	2.425	-0.089
50	30	2.295	2.304	-0.009
50	31	2.321	2.332	-0.011
50	32	2.356	2.395	-0.039
50	33	2.426	2.458	-0.032
50	34	2.371	2.394	-0.023
55	40	2.284	2.394	-0.110
55	41	2.422	2.566	-0.144
55	42	2.421	2.577	-0.156
55	43	2.250	2.379	-0.129
55	44	2.181	2.316	-0.134
Max		2.505	2.577	0.005
Average		2.343	2.395	-0.052
Min		2.181	2.262	-0.156
Std Dev		0.080	0.088	0.053



77.7 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.7	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.291	2.287	2.262	2.304	2.316
Average	2.339	2.411	2.379	2.377	2.446
Max	2.372	2.525	2.438	2.459	2.577
UL	2.700	2.700	2.700	2.700	2.700

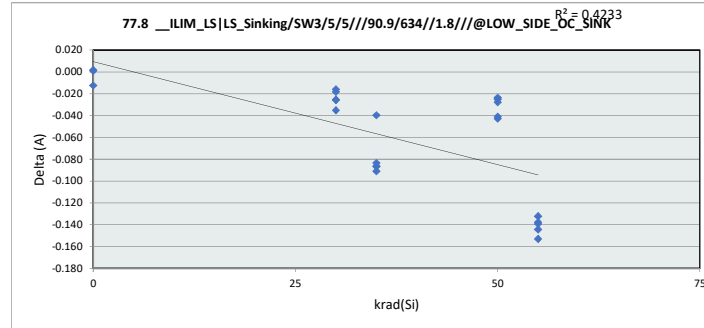


TID HDR Report

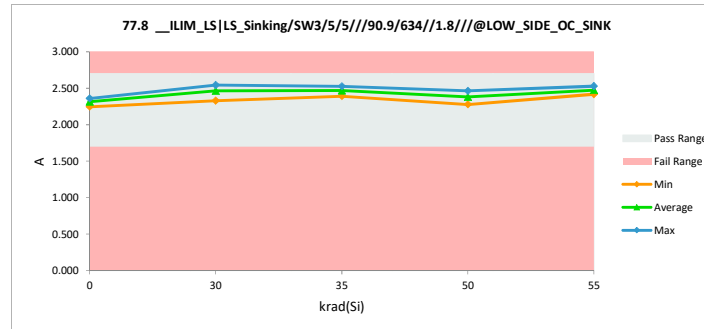
TPS7H4104-SEP

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

77.8 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.7		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.361	2.359	0.002
0	2	2.341	2.341	0.001
0	3	2.234	2.247	-0.013
30	11	2.451	2.487	-0.035
30	12	2.414	2.439	-0.026
30	13	2.523	2.542	-0.018
30	14	2.499	2.525	-0.026
30	15	2.312	2.328	-0.016
35	16	2.435	2.526	-0.091
35	17	2.377	2.463	-0.086
35	18	2.450	2.490	-0.040
35	19	2.381	2.464	-0.084
35	20	2.305	2.391	-0.087
50	30	2.289	2.317	-0.028
50	31	2.254	2.277	-0.024
50	32	2.342	2.383	-0.041
50	33	2.421	2.464	-0.043
50	34	2.435	2.460	-0.025
55	40	2.339	2.483	-0.145
55	41	2.326	2.463	-0.138
55	42	2.389	2.528	-0.139
55	43	2.286	2.418	-0.132
55	44	2.326	2.480	-0.153
Max		2.523	2.542	0.002
Average		2.369	2.429	-0.060
Min		2.234	2.247	-0.153
Std Dev		0.076	0.084	0.051



77.8 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.7	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.247	2.328	2.392	2.277	2.418
Average	2.315	2.464	2.467	2.380	2.474
Max	2.359	2.542	2.526	2.464	2.528
UL	2.700	2.700	2.700	2.700	2.700

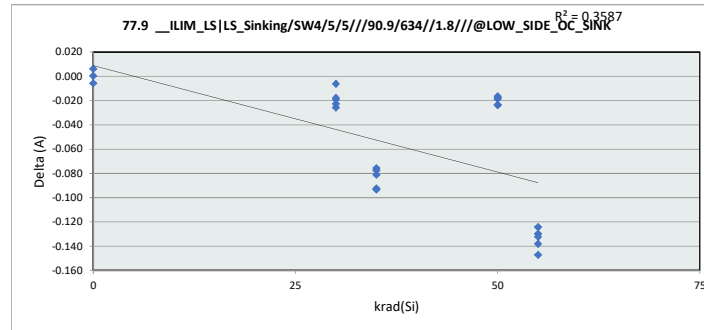


TID HDR Report

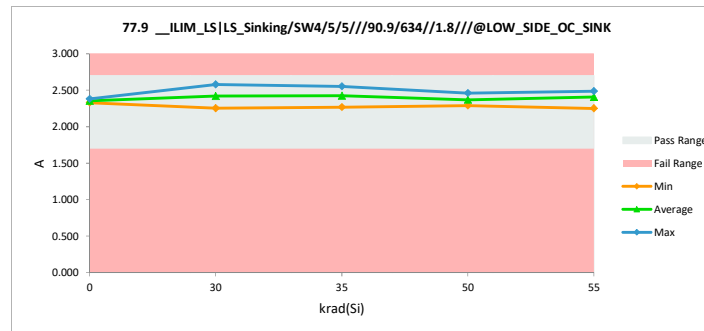
TPS7H4104-SEP

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

77.9 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.7		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.323	2.329	-0.006
0	2	2.361	2.355	0.006
0	3	2.381	2.380	0.000
30	11	2.416	2.439	-0.023
30	12	2.560	2.578	-0.018
30	13	2.386	2.412	-0.026
30	14	2.388	2.407	-0.019
30	15	2.246	2.252	-0.006
35	16	2.375	2.457	-0.081
35	17	2.305	2.399	-0.094
35	18	2.459	2.552	-0.093
35	19	2.369	2.446	-0.078
35	20	2.192	2.267	-0.076
50	30	2.441	2.460	-0.019
50	31	2.407	2.423	-0.017
50	32	2.349	2.367	-0.018
50	33	2.279	2.303	-0.024
50	34	2.265	2.288	-0.024
55	40	2.347	2.486	-0.138
55	41	2.316	2.446	-0.130
55	42	2.333	2.480	-0.147
55	43	2.126	2.251	-0.125
55	44	2.237	2.369	-0.132
Max		2.560	2.578	0.006
Average		2.342	2.398	-0.056
Min		2.126	2.251	-0.147
Std Dev		0.093	0.089	0.052



77.9 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.7	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.329	2.252	2.268	2.288	2.251
Average	2.355	2.418	2.424	2.368	2.406
Max	2.380	2.578	2.552	2.460	2.486
UL	2.700	2.700	2.700	2.700	2.700

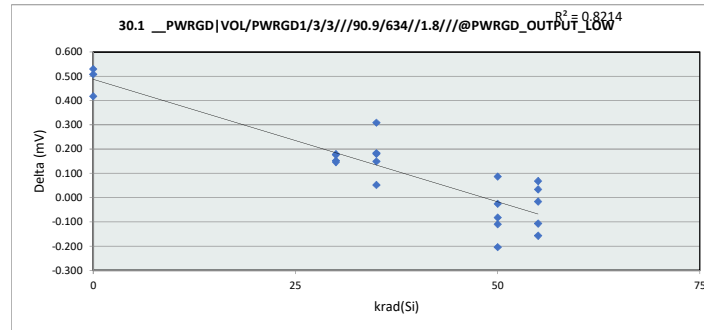


TID HDR Report

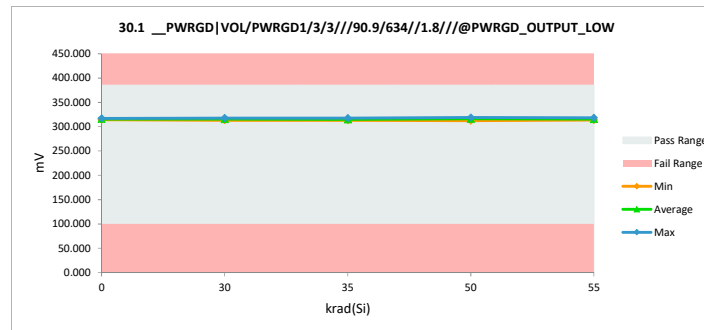
TPS7H4104-SEP

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

30.1 __PWRGD VOL/PWRGD1/3				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		400	385	
Min Limit		100	100	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	317.573	317.043	0.530
0	2	315.025	314.517	0.508
0	3	317.207	316.790	0.417
30	11	313.622	313.446	0.177
30	12	316.520	316.368	0.152
30	13	313.638	313.492	0.146
30	14	316.252	316.075	0.177
30	15	318.110	317.933	0.177
35	16	317.036	316.728	0.308
35	17	315.634	315.450	0.183
35	18	317.479	317.330	0.149
35	19	313.775	313.595	0.180
35	20	313.932	313.880	0.052
50	30	315.708	315.735	-0.026
50	31	312.383	312.296	0.086
50	32	317.604	317.686	-0.082
50	33	315.886	315.997	-0.110
50	34	318.694	318.898	-0.204
55	40	313.551	313.658	-0.107
55	41	315.262	315.194	0.068
55	42	318.197	318.164	0.033
55	43	316.477	316.493	-0.017
55	44	314.322	314.479	-0.157
Max		318.694	318.898	0.530
Average		315.821	315.706	0.115
Min		312.383	312.296	-0.204
Std Dev		1.786	1.783	0.196



30.1 __PWRGD VOL/PWRGD1/3					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	314.517	313.446	313.596	312.296	313.658
Average	316.117	315.463	315.397	316.122	315.598
Max	317.043	317.933	317.330	318.898	318.164
UL	385.000	385.000	385.000	385.000	385.000

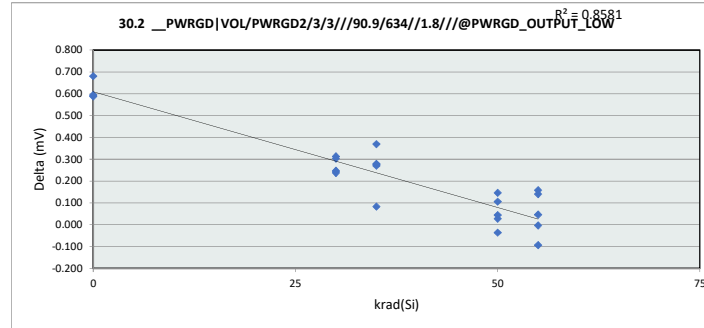


TID HDR Report

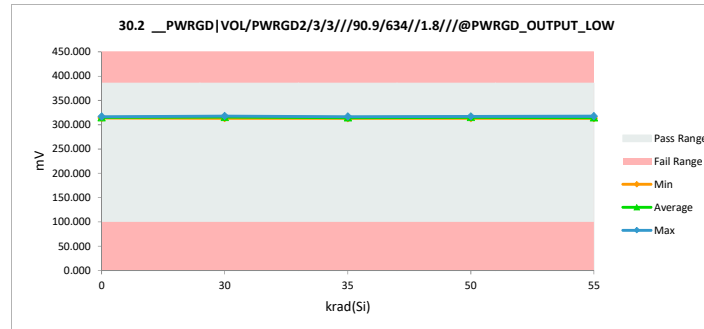
TPS7H4104-SEP

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

30.2 __PWRGD VOL/PWRGD2/3/3///90.9/634//1.8///@PWRGD_OUTPUT_LOW				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	400	385		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	316.465	315.785	0.679
0	2	314.313	313.719	0.594
0	3	317.017	316.430	0.587
30	11	313.694	313.392	0.302
30	12	316.811	316.564	0.247
30	13	313.591	313.355	0.237
30	14	316.087	315.844	0.242
30	15	318.060	317.748	0.312
35	16	316.708	316.340	0.368
35	17	315.325	315.047	0.278
35	18	316.980	316.711	0.269
35	19	313.082	312.806	0.276
35	20	313.007	312.925	0.083
50	30	315.849	315.745	0.105
50	31	312.982	312.837	0.145
50	32	316.346	316.302	0.043
50	33	315.075	315.112	-0.037
50	34	317.086	317.060	0.026
55	40	313.376	313.380	-0.004
55	41	314.500	314.342	0.158
55	42	317.330	317.190	0.139
55	43	315.868	315.823	0.046
55	44	313.429	313.523	-0.094
Max		318.060	317.748	0.679
Average		315.347	315.130	0.217
Min		312.982	312.806	-0.094
Std Dev		1.631	1.591	0.202



30.2 __PWRGD VOL/PWRGD2/3/3///90.9/634//1.8///@PWRGD_OUTPUT_LOW					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	313.719	313.355	312.806	312.837	313.380
Average	315.311	315.381	314.766	315.411	314.852
Max	316.430	317.748	316.711	317.060	317.190
UL	385.000	385.000	385.000	385.000	385.000

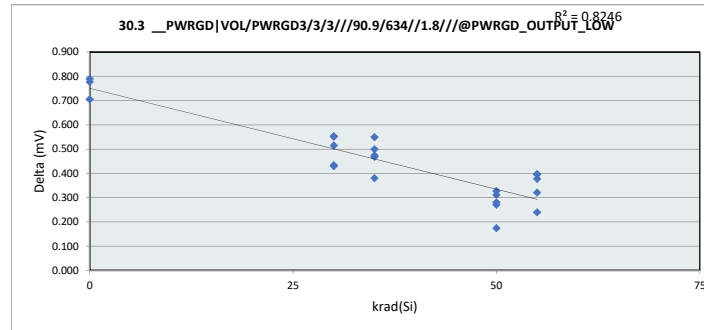


TID HDR Report

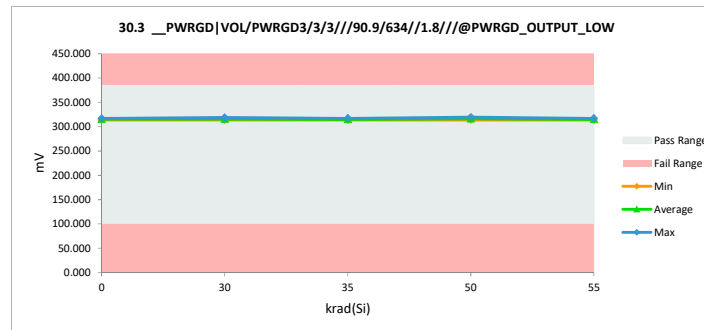
TPS7H4104-SEP

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

30.3 __PWRGD VOL/PWRGD3/3				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		400	385	
Min Limit		100	100	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	317.453	316.677	0.776
0	2	314.770	313.981	0.788
0	3	317.449	316.745	0.704
30	11	314.670	314.119	0.551
30	12	316.388	315.955	0.432
30	13	314.376	313.947	0.429
30	14	317.368	316.854	0.514
30	15	319.267	318.716	0.551
35	16	317.893	317.345	0.548
35	17	315.573	315.074	0.498
35	18	316.659	316.192	0.467
35	19	313.939	313.466	0.473
35	20	314.661	314.281	0.379
50	30	315.697	315.387	0.311
50	31	314.198	313.872	0.326
50	32	317.752	317.482	0.270
50	33	316.572	316.398	0.173
50	34	319.760	319.481	0.279
55	40	314.120	313.881	0.239
55	41	315.260	314.884	0.376
55	42	317.668	317.273	0.395
55	43	317.318	316.923	0.395
55	44	314.561	314.241	0.320
Max		319.760	319.481	0.788
Average		316.234	315.790	0.443
Min		313.939	313.466	0.173
Std Dev		1.697	1.688	0.161



30.3 __PWRGD VOL/PWRGD3/3					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	313.981	313.947	313.466	313.872	313.881
Average	315.801	315.918	315.272	316.524	315.440
Max	316.745	318.716	317.345	319.481	317.273
UL	385.000	385.000	385.000	385.000	385.000

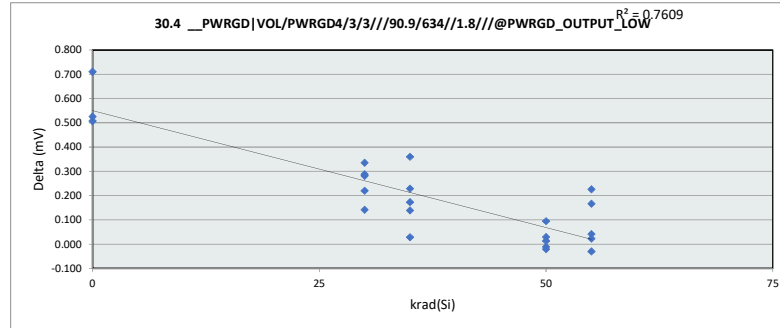


TID HDR Report

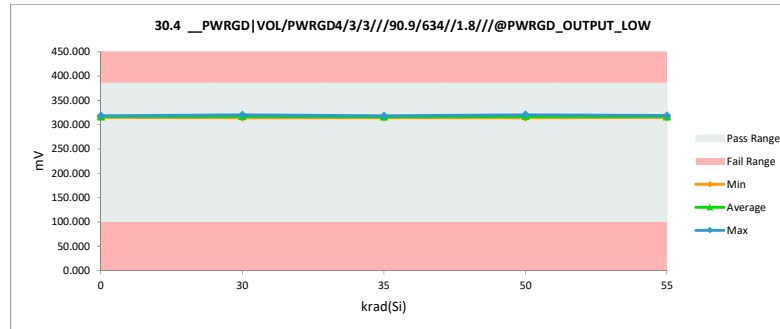
TPS7H4104-SEP

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

30.4 __PWRGD VOL/PWRGD4/3//90.9/634//1.8///@PWRGD_OUTPUT_LOW				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	400	385		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	319.279	318.569	0.710
0	2	315.849	315.324	0.525
0	3	318.295	317.788	0.507
30	11	316.371	316.089	0.282
30	12	317.986	317.844	0.141
30	13	314.909	314.621	0.288
30	14	318.154	317.935	0.219
30	15	320.234	319.899	0.335
35	16	318.607	318.247	0.360
35	17	317.283	317.054	0.229
35	18	318.179	318.041	0.138
35	19	314.847	314.674	0.172
35	20	315.165	315.137	0.029
50	30	316.992	316.964	0.029
50	31	314.525	314.431	0.094
50	32	317.923	317.910	0.013
50	33	316.883	316.904	-0.021
50	34	320.562	320.574	-0.012
55	40	315.353	315.330	0.022
55	41	316.752	316.586	0.166
55	42	319.216	318.990	0.226
55	43	317.754	317.713	0.041
55	44	315.968	315.999	-0.031
Max		320.562	320.574	0.710
Average		317.265	317.071	0.194
Min		314.525	314.431	-0.031
Std Dev		1.721	1.684	0.195



30.4 __PWRGD VOL/PWRGD4/3//90.9/634//1.8///@PWRGD_OUTPUT_LOW					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	315.324	314.621	314.675	314.431	315.330
Average	317.227	317.278	316.631	317.357	316.924
Max	318.569	319.899	318.247	320.574	318.990
UL	385.000	385.000	385.000	385.000	385.000

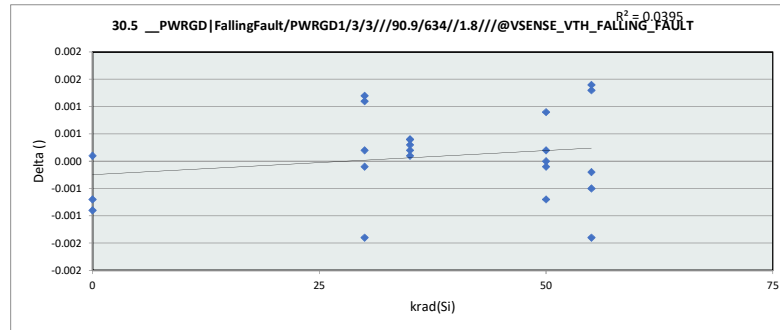


TID HDR Report

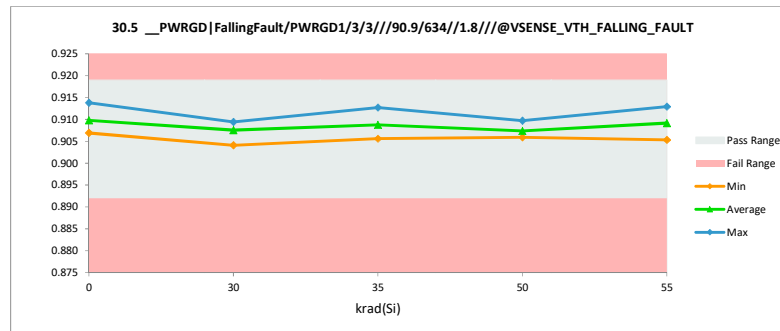
TPS7H4104-SEP

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

30.5 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.907	0.907	0.000
0	2	0.913	0.914	-0.001
0	3	0.908	0.909	-0.001
30	11	0.909	0.908	0.001
30	12	0.910	0.909	0.001
30	13	0.903	0.904	-0.001
30	14	0.910	0.909	0.000
30	15	0.907	0.907	0.000
35	16	0.909	0.909	0.000
35	17	0.908	0.908	0.000
35	18	0.913	0.913	0.000
35	19	0.906	0.906	0.000
35	20	0.909	0.909	0.000
50	30	0.907	0.908	0.000
50	31	0.907	0.907	0.000
50	32	0.907	0.906	0.001
50	33	0.906	0.906	0.000
50	34	0.909	0.910	-0.001
55	40	0.907	0.909	-0.001
55	41	0.912	0.913	0.000
55	42	0.910	0.910	0.000
55	43	0.911	0.909	0.001
55	44	0.907	0.905	0.001
Max		0.913	0.914	0.001
Average		0.908	0.908	0.000
Min		0.903	0.904	-0.001
Std Dev		0.002	0.002	0.001



30.5 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.907	0.904	0.906	0.906	0.905
Average	0.910	0.908	0.909	0.907	0.909
Max	0.914	0.909	0.913	0.910	0.913
UL	0.919	0.919	0.919	0.919	0.919

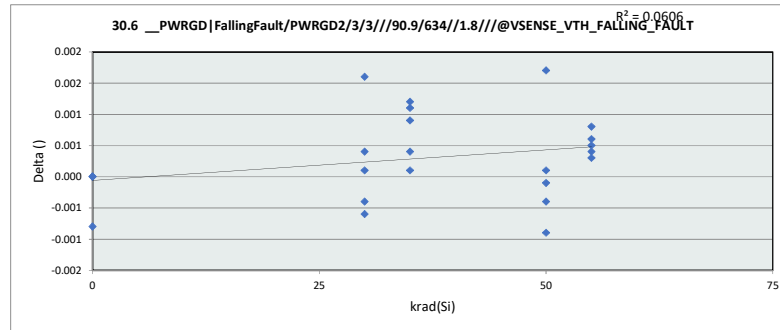


TID HDR Report

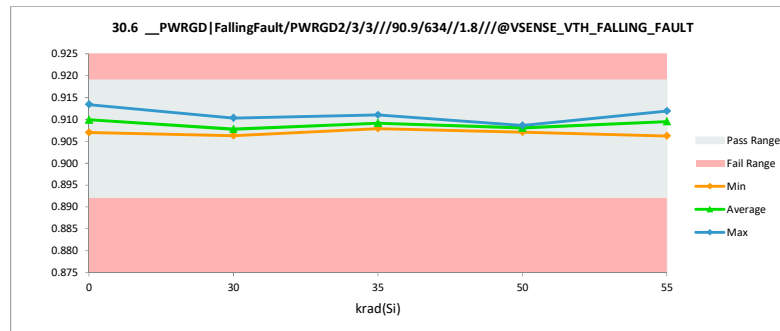
TPS7H4104-SEP

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

30.6 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.913	0.913	-0.001
0	2	0.909	0.909	0.000
0	3	0.907	0.907	0.000
30	11	0.906	0.906	0.000
30	12	0.909	0.909	-0.001
30	13	0.911	0.910	0.000
30	14	0.907	0.906	0.000
30	15	0.908	0.907	0.002
35	16	0.910	0.909	0.001
35	17	0.908	0.908	0.000
35	18	0.908	0.908	0.000
35	19	0.912	0.911	0.001
35	20	0.911	0.910	0.001
50	30	0.908	0.908	0.000
50	31	0.908	0.909	-0.001
50	32	0.909	0.907	0.002
50	33	0.908	0.909	0.000
50	34	0.909	0.909	0.000
55	40	0.912	0.912	0.001
55	41	0.911	0.911	0.000
55	42	0.907	0.906	0.001
55	43	0.910	0.909	0.000
55	44	0.910	0.910	0.001
	Max	0.913	0.913	0.002
	Average	0.909	0.909	0.000
	Min	0.906	0.906	-0.001
	Std Dev	0.002	0.002	0.001



30.6 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.907	0.906	0.908	0.907	0.906
Average	0.910	0.908	0.909	0.908	0.910
Max	0.913	0.910	0.911	0.909	0.912
UL	0.919	0.919	0.919	0.919	0.919

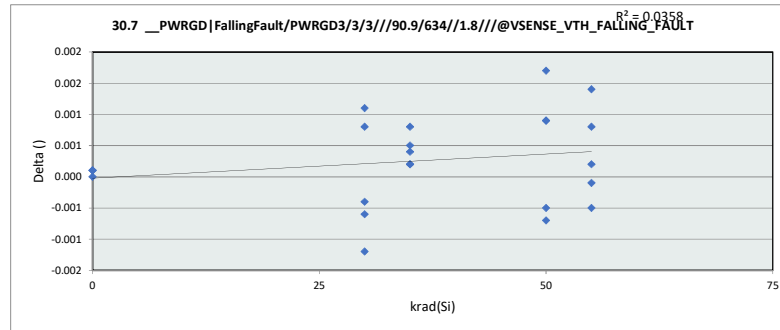


TID HDR Report

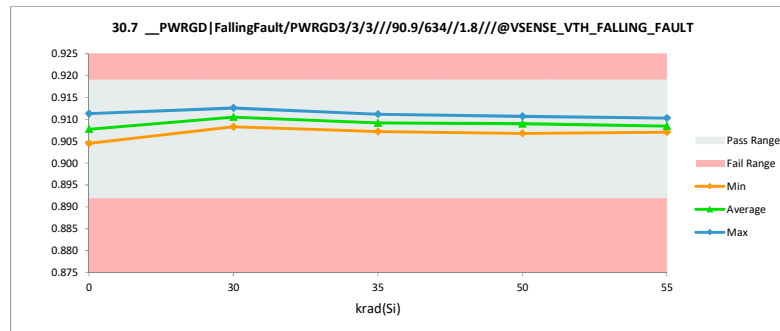
TPS7H4104-SEP

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

30.7 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.92	0.919		
Min Limit	0.89	0.892		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.911	0.911	0.000
0	2	0.905	0.905	0.000
0	3	0.908	0.908	0.000
30	11	0.912	0.912	0.000
30	12	0.912	0.911	0.001
30	13	0.911	0.913	-0.001
30	14	0.908	0.909	-0.001
30	15	0.909	0.908	0.001
35	16	0.911	0.910	0.001
35	17	0.909	0.909	0.000
35	18	0.909	0.909	0.000
35	19	0.912	0.911	0.001
35	20	0.907	0.907	0.000
50	30	0.908	0.907	0.001
50	31	0.909	0.908	0.002
50	32	0.910	0.910	0.001
50	33	0.910	0.910	0.000
50	34	0.910	0.911	-0.001
55	40	0.909	0.909	0.000
55	41	0.908	0.909	-0.001
55	42	0.911	0.910	0.001
55	43	0.909	0.907	0.001
55	44	0.907	0.907	0.000
Max		0.912	0.913	0.002
Average		0.909	0.909	0.000
Min		0.905	0.905	-0.001
Std Dev		0.002	0.002	0.001



30.7 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit	0.919				
Min Limit	0.892				
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.905	0.908	0.907	0.907	0.907
Average	0.908	0.911	0.909	0.909	0.909
Max	0.911	0.913	0.911	0.911	0.910
UL	0.919	0.919	0.919	0.919	0.919

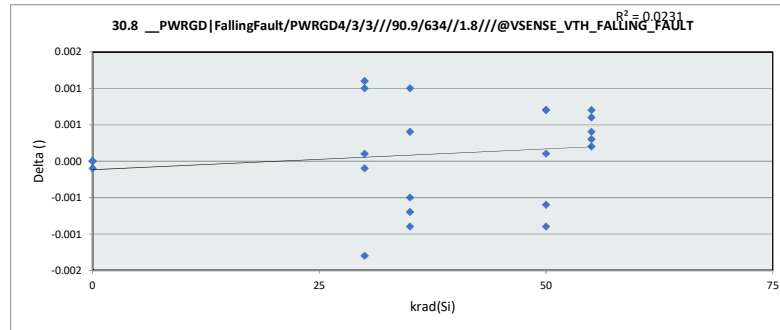


TID HDR Report

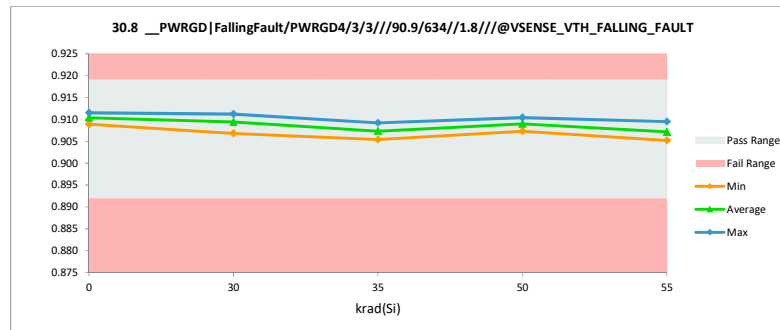
TPS7H4104-SEP

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

30.8 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.911	0.911	0.000
0	2	0.909	0.909	0.000
0	3	0.911	0.911	0.000
30	11	0.909	0.910	-0.001
30	12	0.907	0.907	0.000
30	13	0.909	0.908	0.001
30	14	0.912	0.911	0.001
30	15	0.911	0.911	0.000
35	16	0.905	0.905	-0.001
35	17	0.906	0.907	-0.001
35	18	0.908	0.908	0.000
35	19	0.909	0.909	-0.001
35	20	0.908	0.907	0.001
50	30	0.909	0.908	0.001
50	31	0.908	0.907	0.001
50	32	0.910	0.910	-0.001
50	33	0.908	0.909	-0.001
50	34	0.910	0.910	0.000
55	40	0.909	0.908	0.000
55	41	0.910	0.910	0.000
55	42	0.907	0.907	0.001
55	43	0.906	0.906	0.000
55	44	0.906	0.905	0.001
	Max	0.912	0.911	0.001
	Average	0.909	0.908	0.000
	Min	0.905	0.905	-0.001
	Std Dev	0.002	0.002	0.001



30.8 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.909	0.907	0.905	0.907	0.905
Average	0.910	0.909	0.907	0.909	0.907
Max	0.912	0.911	0.909	0.910	0.910
UL	0.919	0.919	0.919	0.919	0.919

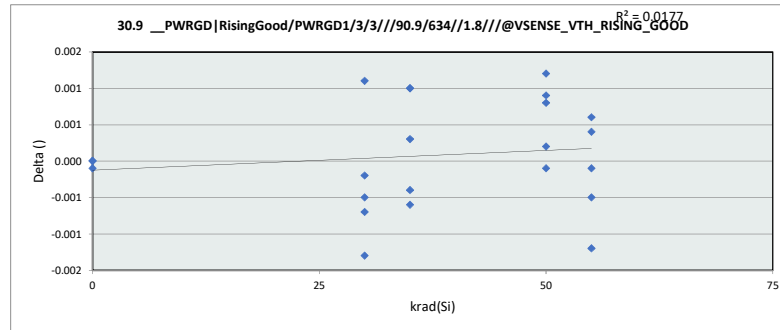


TID HDR Report

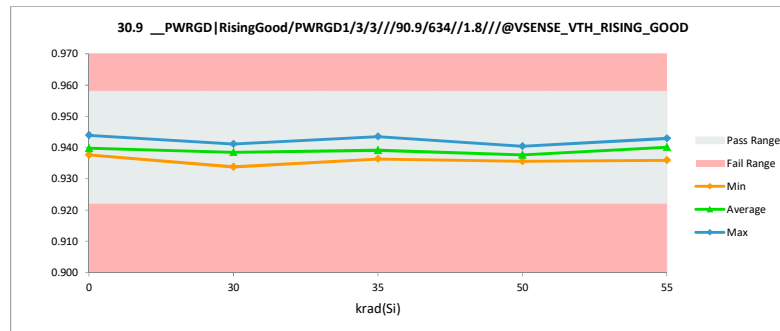
TPS7H4104-SEP

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

30.9 __PWRGD RisingGood/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.958		
Min Limit	0.92	0.922		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.938	0.938	0.000
0	2	0.944	0.944	0.000
0	3	0.938	0.938	0.000
30	11	0.940	0.941	-0.001
30	12	0.941	0.940	0.001
30	13	0.933	0.934	-0.001
30	14	0.940	0.941	-0.001
30	15	0.937	0.937	0.000
35	16	0.940	0.939	0.001
35	17	0.939	0.938	0.001
35	18	0.943	0.943	0.000
35	19	0.936	0.936	-0.001
35	20	0.939	0.939	0.000
50	30	0.938	0.937	0.001
50	31	0.937	0.937	0.000
50	32	0.939	0.938	0.001
50	33	0.937	0.936	0.001
50	34	0.941	0.940	0.000
55	40	0.938	0.939	-0.001
55	41	0.942	0.943	-0.001
55	42	0.941	0.941	0.000
55	43	0.942	0.941	0.000
55	44	0.937	0.936	0.001
	Max	0.944	0.944	0.001
	Average	0.939	0.939	0.000
	Min	0.933	0.934	-0.001
	Std Dev	0.003	0.003	0.001



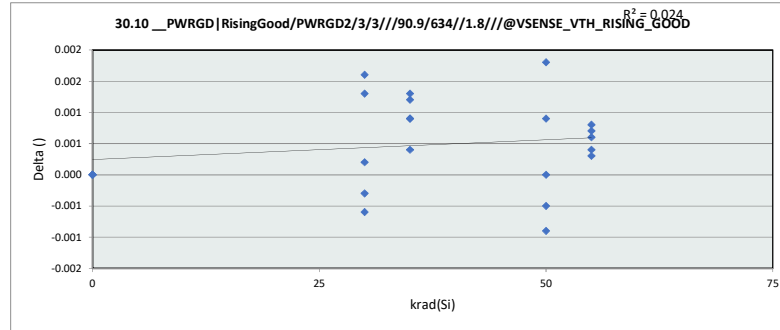
30.9 __PWRGD RisingGood/P					
Test Site					
Tester					
Test Number					
Max Limit	0.958				
Min Limit	0.922				
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.938	0.934	0.936	0.936	0.936
Average	0.940	0.938	0.939	0.938	0.940
Max	0.944	0.941	0.944	0.940	0.943
UL	0.958	0.958	0.958	0.958	0.958



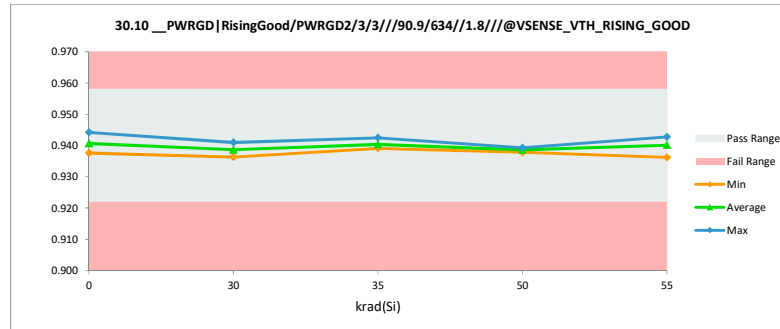
TID HDR Report
TPS7H4104-SEP

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

30.10 __PWRGD RisingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.958		
Min Limit	0.92	0.922		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.944	0.944	0.000
0	2	0.940	0.940	0.000
0	3	0.938	0.938	0.000
30	11	0.936	0.936	0.000
30	12	0.940	0.941	-0.001
30	13	0.942	0.941	0.001
30	14	0.938	0.938	0.000
30	15	0.939	0.937	0.002
35	16	0.941	0.940	0.001
35	17	0.940	0.939	0.001
35	18	0.941	0.939	0.001
35	19	0.944	0.942	0.001
35	20	0.942	0.941	0.000
50	30	0.938	0.938	0.000
50	31	0.938	0.939	-0.001
50	32	0.940	0.938	0.002
50	33	0.938	0.938	0.000
50	34	0.940	0.939	0.001
55	40	0.943	0.943	0.001
55	41	0.943	0.942	0.000
55	42	0.937	0.936	0.001
55	43	0.939	0.939	0.000
55	44	0.941	0.940	0.001
	Max	0.944	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



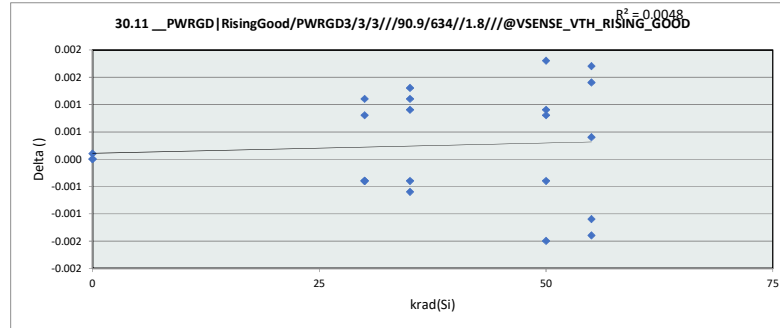
30.10 __PWRGD RisingGood/P					
Test Site					
Tester					
Test Number					
Max Limit	0.958				
Min Limit	0.922				
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.938	0.936	0.939	0.938	0.936
Average	0.941	0.939	0.940	0.939	0.940
Max	0.944	0.941	0.943	0.939	0.943
UL	0.958	0.958	0.958	0.958	0.958



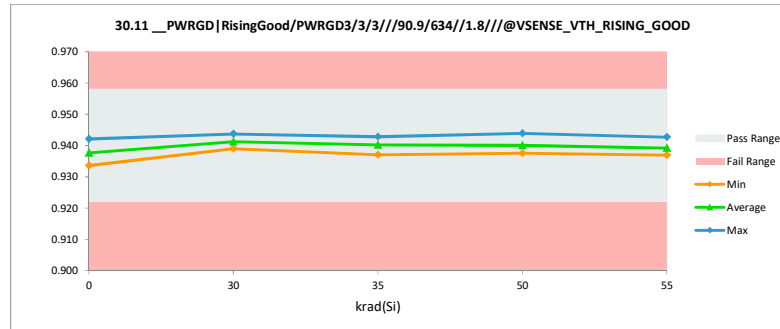
TID HDR Report TPS7H4104-SEP

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

30.11 __PWRGD RisingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.958		
Min Limit	0.92	0.922		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.942	0.942	0.000
0	2	0.934	0.934	0.000
0	3	0.937	0.937	0.000
30	11	0.943	0.944	0.000
30	12	0.942	0.941	0.001
30	13	0.943	0.943	0.000
30	14	0.939	0.939	0.000
30	15	0.940	0.939	0.001
35	16	0.941	0.941	0.001
35	17	0.940	0.941	-0.001
35	18	0.940	0.940	0.000
35	19	0.944	0.943	0.001
35	20	0.938	0.937	0.001
50	30	0.938	0.938	0.001
50	31	0.939	0.938	0.001
50	32	0.942	0.940	0.002
50	33	0.940	0.940	0.000
50	34	0.942	0.944	-0.002
55	40	0.939	0.941	-0.001
55	41	0.939	0.939	0.000
55	42	0.944	0.943	0.002
55	43	0.938	0.937	0.001
55	44	0.936	0.937	-0.001
Max		0.944	0.944	0.002
Average		0.940	0.940	0.000
Min		0.934	0.934	-0.002
Std Dev		0.003	0.003	0.001



30.11 __PWRGD RisingGood/PV					
Test Site					
Tester					
Test Number					
Max Limit	0.958				
Min Limit	0.922				
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.934	0.939	0.937	0.938	0.937
Average	0.938	0.941	0.940	0.940	0.939
Max	0.942	0.944	0.943	0.944	0.943
UL	0.958	0.958	0.958	0.958	0.958

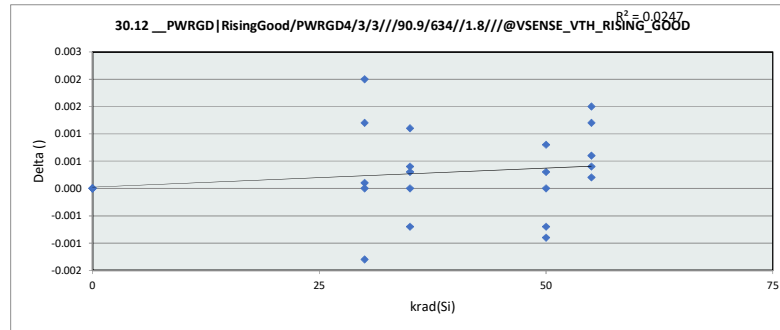


TID HDR Report

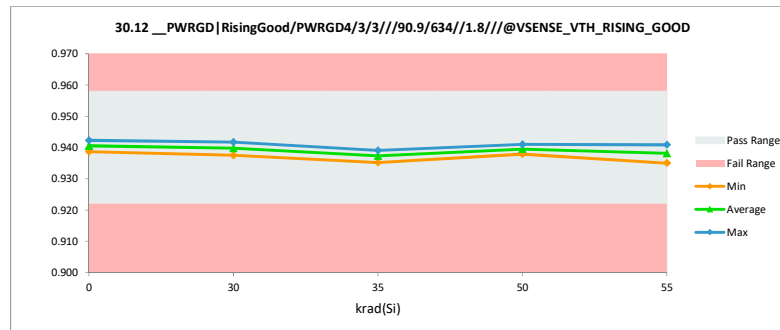
TPS7H4104-SEP

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

30.12 __PWRGD RisingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.96	0.958	
Min Limit		0.92	0.922	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.942	0.942	0.000
0	2	0.939	0.939	0.000
0	3	0.941	0.941	0.000
30	11	0.940	0.942	-0.001
30	12	0.938	0.938	0.000
30	13	0.939	0.938	0.001
30	14	0.943	0.941	0.002
30	15	0.941	0.941	0.000
35	16	0.935	0.935	0.000
35	17	0.937	0.938	-0.001
35	18	0.938	0.938	0.000
35	19	0.939	0.939	0.000
35	20	0.938	0.937	0.001
50	30	0.940	0.940	0.000
50	31	0.939	0.938	0.001
50	32	0.939	0.940	-0.001
50	33	0.939	0.939	0.000
50	34	0.940	0.941	-0.001
55	40	0.941	0.941	0.000
55	41	0.941	0.940	0.001
55	42	0.939	0.938	0.002
55	43	0.937	0.937	0.000
55	44	0.936	0.935	0.001
	Max	0.943	0.942	0.002
	Average	0.939	0.939	0.000
	Min	0.935	0.935	-0.001
	Std Dev	0.002	0.002	0.001



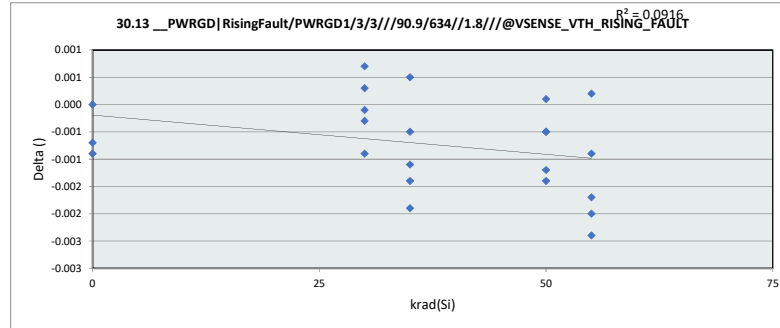
30.12 __PWRGD RisingGood/P					
Test Site					
Tester					
Test Number					
Max Limit		0.958			
Min Limit		0.922			
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.939	0.938	0.935	0.938	0.935
Average	0.941	0.940	0.937	0.940	0.938
Max	0.942	0.942	0.939	0.941	0.941
UL	0.958	0.958	0.958	0.958	0.958



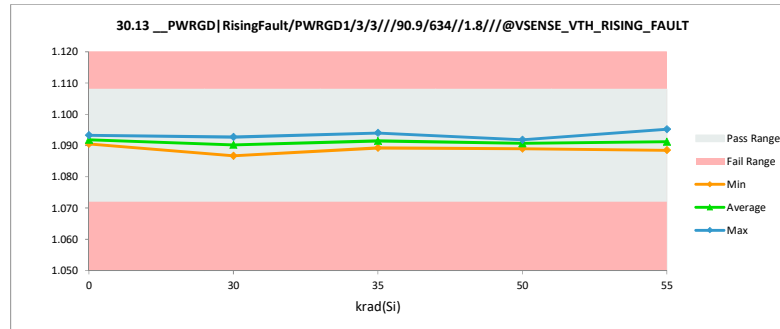
TID HDR Report TPS7H4104-SEP

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

30.13 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.11	1.108	
Min Limit		1.07	1.072	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.090	1.090	0.000
0	2	1.091	1.092	-0.001
0	3	1.092	1.093	-0.001
30	11	1.092	1.091	0.001
30	12	1.087	1.087	0.000
30	13	1.089	1.089	0.000
30	14	1.093	1.093	0.000
30	15	1.090	1.091	-0.001
35	16	1.088	1.089	-0.001
35	17	1.090	1.091	0.000
35	18	1.093	1.094	-0.001
35	19	1.090	1.092	-0.002
35	20	1.092	1.092	0.000
50	30	1.089	1.089	0.000
50	31	1.089	1.090	0.000
50	32	1.090	1.091	-0.001
50	33	1.091	1.092	-0.001
50	34	1.091	1.092	0.000
55	40	1.088	1.091	-0.002
55	41	1.093	1.095	-0.002
55	42	1.091	1.090	0.000
55	43	1.090	1.091	-0.001
55	44	1.087	1.089	-0.002
Max		1.093	1.095	0.001
Average		1.090	1.091	-0.001
Min		1.087	1.087	-0.002
Std Dev		0.002	0.002	0.001



30.13 __PWRGD RisingFault/P					
Test Site					
Tester					
Test Number					
Max Limit		1.108			
Min Limit		1.072			
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.091	1.087	1.089	1.089	1.089
Average	1.092	1.090	1.091	1.091	1.091
Max	1.093	1.093	1.094	1.092	1.095
UL	1.108	1.108	1.108	1.108	1.108

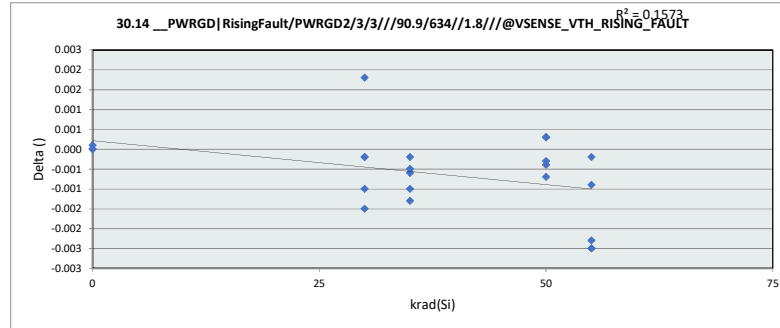


TID HDR Report

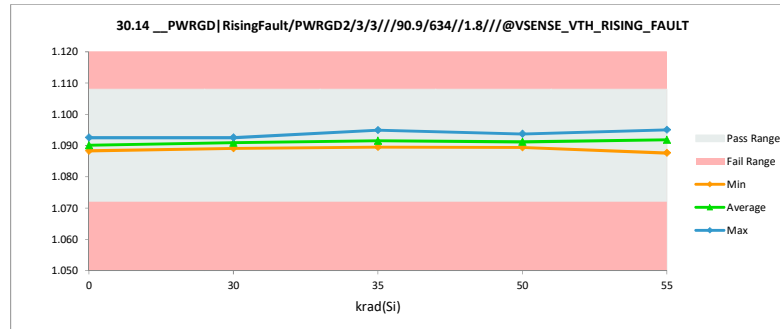
TPS7H4104-SEP

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

30.14 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.11	1.108	
Min Limit		1.07	1.072	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.092	1.092	0.000
0	2	1.088	1.088	0.000
0	3	1.089	1.089	0.000
30	11	1.090	1.091	0.000
30	12	1.091	1.092	-0.002
30	13	1.090	1.091	-0.001
30	14	1.089	1.089	0.000
30	15	1.093	1.091	0.002
35	16	1.091	1.092	-0.001
35	17	1.090	1.090	0.000
35	18	1.089	1.089	0.000
35	19	1.090	1.091	-0.001
35	20	1.094	1.095	-0.001
50	30	1.090	1.091	-0.001
50	31	1.090	1.089	0.000
50	32	1.090	1.090	0.000
50	33	1.093	1.094	0.000
50	34	1.092	1.091	0.000
55	40	1.090	1.093	-0.003
55	41	1.087	1.088	-0.001
55	42	1.090	1.092	-0.002
55	43	1.095	1.095	0.000
55	44	1.089	1.092	-0.003
Max		1.095	1.095	0.002
Average		1.091	1.091	-0.001
Min		1.087	1.088	-0.003
Std Dev		0.002	0.002	0.001



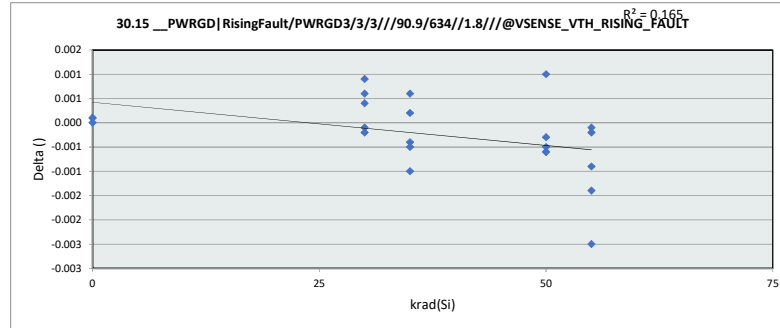
30.14 __PWRGD RisingFault/P					
Test Site					
Tester					
Test Number					
Max Limit		1.108			
Min Limit		1.072			
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.088	1.089	1.090	1.089	1.088
Average	1.090	1.091	1.092	1.091	1.092
Max	1.093	1.093	1.095	1.094	1.095
UL	1.108	1.108	1.108	1.108	1.108



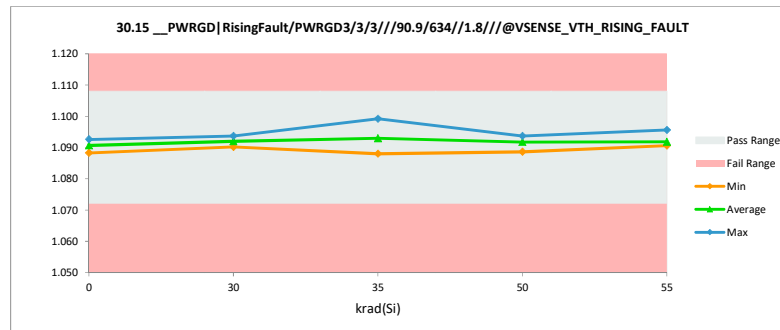
TID HDR Report TPS7H4104-SEP

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

30.15 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.108		
Min Limit	1.07	1.072		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.093	1.093	0.000
0	2	1.091	1.091	0.000
0	3	1.088	1.088	0.000
30	11	1.094	1.094	0.000
30	12	1.094	1.093	0.000
30	13	1.092	1.092	0.001
30	14	1.091	1.091	0.000
30	15	1.091	1.090	0.001
35	16	1.091	1.091	0.000
35	17	1.096	1.096	0.000
35	18	1.089	1.088	0.001
35	19	1.098	1.099	-0.001
35	20	1.090	1.090	0.000
50	30	1.095	1.094	0.001
50	31	1.092	1.093	-0.001
50	32	1.092	1.092	-0.001
50	33	1.091	1.091	0.000
50	34	1.088	1.089	-0.001
55	40	1.093	1.096	-0.003
55	41	1.090	1.091	0.000
55	42	1.089	1.091	-0.001
55	43	1.090	1.091	-0.001
55	44	1.091	1.091	0.000
	Max	1.098	1.099	0.001
	Average	1.092	1.092	0.000
	Min	1.088	1.088	-0.003
	Std Dev	0.002	0.003	0.001



30.15 __PWRGD RisingFault/P					
Test Site					
Tester					
Test Number					
Max Limit	1.108				
Min Limit	1.072				
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.088	1.090	1.088	1.089	1.091
Average	1.091	1.092	1.093	1.092	1.092
Max	1.093	1.094	1.099	1.094	1.096
UL	1.108	1.108	1.108	1.108	1.108

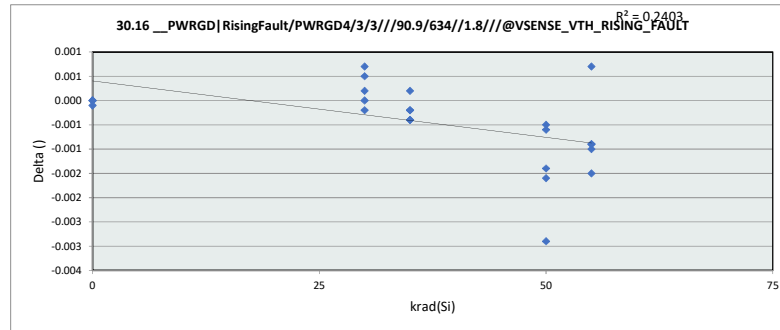


TID HDR Report

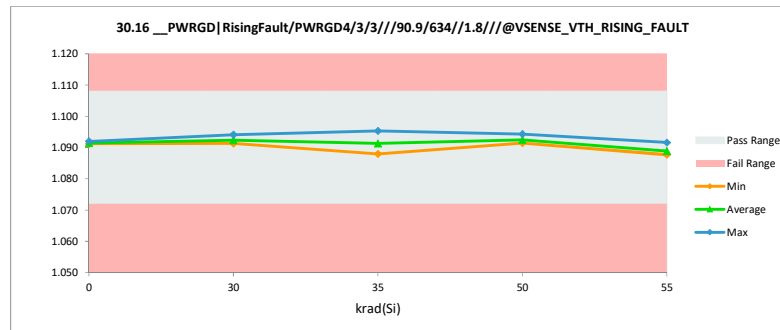
TPS7H4104-SEP

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

30.16 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.11	1.108	
Min Limit		1.07	1.072	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.091	1.091	0.000
0	2	1.091	1.091	0.000
0	3	1.092	1.092	0.000
30	11	1.091	1.091	0.000
30	12	1.093	1.093	0.000
30	13	1.092	1.091	0.000
30	14	1.095	1.094	0.001
30	15	1.092	1.092	0.000
35	16	1.091	1.091	0.000
35	17	1.090	1.091	0.000
35	18	1.095	1.095	0.000
35	19	1.092	1.092	0.000
35	20	1.088	1.088	0.000
50	30	1.091	1.092	-0.002
50	31	1.090	1.092	-0.001
50	32	1.092	1.092	-0.001
50	33	1.091	1.094	-0.003
50	34	1.091	1.091	-0.001
55	40	1.091	1.092	-0.001
55	41	1.087	1.088	-0.001
55	42	1.087	1.089	-0.002
55	43	1.087	1.088	-0.001
55	44	1.089	1.089	0.001
	Max	1.095	1.095	0.001
	Average	1.091	1.091	0.000
	Min	1.087	1.088	-0.003
	Std Dev	0.002	0.002	0.001



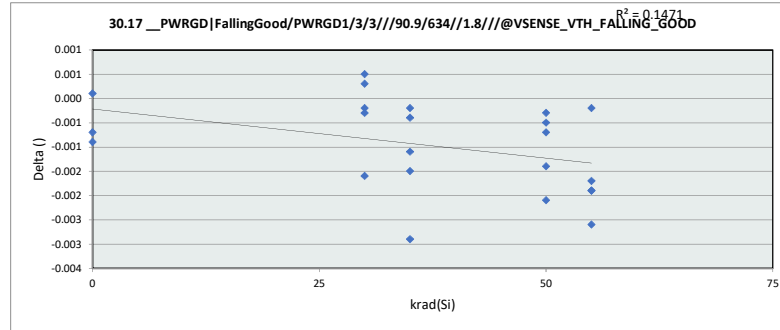
30.16 __PWRGD RisingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		1.108			
Min Limit		1.072			
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.091	1.091	1.088	1.091	1.088
Average	1.091	1.092	1.091	1.092	1.089
Max	1.092	1.094	1.095	1.094	1.092
UL	1.108	1.108	1.108	1.108	1.108



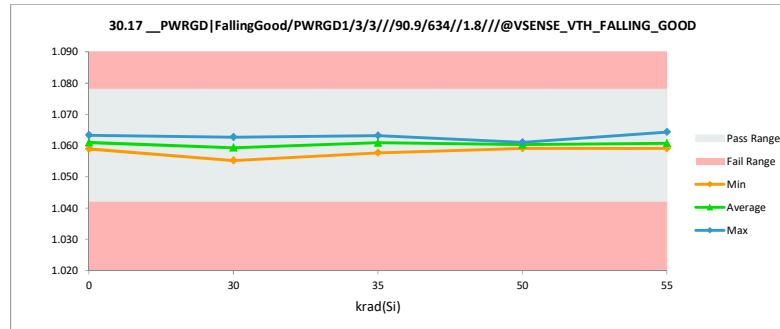
TID HDR Report TPS7H4104-SEP

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

30.17 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.08	1.078		
Min Limit	1.04	1.042		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.058	1.059	-0.001
0	2	1.061	1.061	0.000
0	3	1.062	1.063	-0.001
30	11	1.060	1.060	0.000
30	12	1.056	1.055	0.000
30	13	1.058	1.058	0.000
30	14	1.063	1.063	0.000
30	15	1.059	1.061	-0.002
35	16	1.056	1.058	-0.002
35	17	1.058	1.061	-0.003
35	18	1.062	1.063	-0.001
35	19	1.061	1.061	0.000
35	20	1.062	1.062	0.000
50	30	1.058	1.059	-0.001
50	31	1.059	1.060	-0.001
50	32	1.058	1.061	-0.002
50	33	1.061	1.061	0.000
50	34	1.059	1.061	-0.001
55	40	1.057	1.059	-0.002
55	41	1.062	1.064	-0.002
55	42	1.059	1.061	-0.002
55	43	1.060	1.060	0.000
55	44	1.057	1.059	-0.003
	Max	1.063	1.064	0.000
	Average	1.059	1.060	-0.001
	Min	1.056	1.055	-0.003
	Std Dev	0.002	0.002	0.001



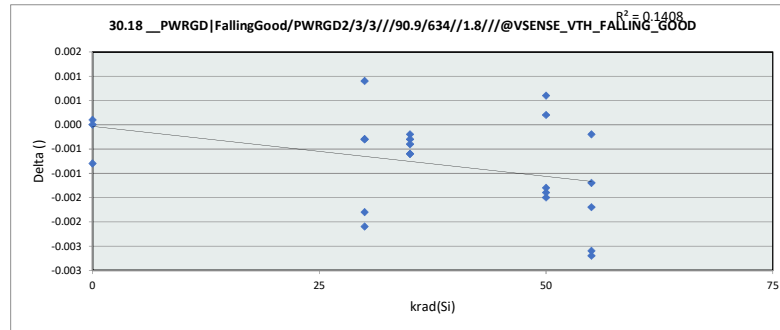
30.17 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit	1.078				
Min Limit	1.042				
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.059	1.055	1.058	1.059	1.059
Average	1.061	1.059	1.061	1.060	1.061
Max	1.063	1.063	1.063	1.061	1.064
UL	1.078	1.078	1.078	1.078	1.078



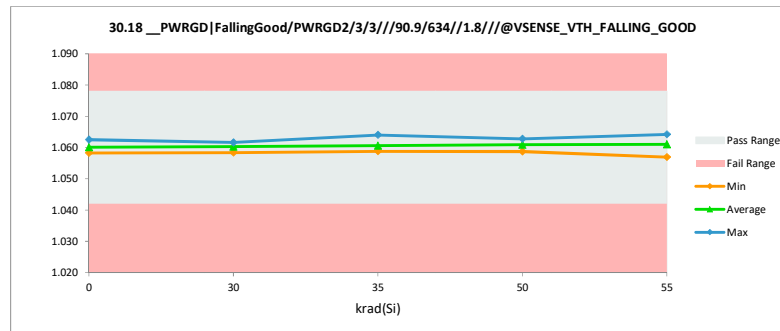
TID HDR Report TPS7H4104-SEP

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

30.18 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.08	1.078		
Min Limit	1.04	1.042		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.062	1.063	-0.001
0	2	1.058	1.058	0.000
0	3	1.059	1.059	0.000
30	11	1.059	1.060	0.000
30	12	1.059	1.062	-0.002
30	13	1.059	1.061	-0.002
30	14	1.058	1.058	0.000
30	15	1.062	1.061	0.001
35	16	1.060	1.061	-0.001
35	17	1.059	1.059	-0.001
35	18	1.059	1.059	0.000
35	19	1.059	1.060	0.000
35	20	1.064	1.064	0.000
50	30	1.060	1.061	-0.002
50	31	1.057	1.059	-0.001
50	32	1.060	1.061	-0.001
50	33	1.063	1.063	0.001
50	34	1.061	1.061	0.000
55	40	1.060	1.063	-0.003
55	41	1.056	1.057	-0.001
55	42	1.059	1.061	-0.002
55	43	1.064	1.064	0.000
55	44	1.058	1.061	-0.003
	Max	1.064	1.064	0.001
	Average	1.060	1.061	-0.001
	Min	1.056	1.057	-0.003
	Std Dev	0.002	0.002	0.001



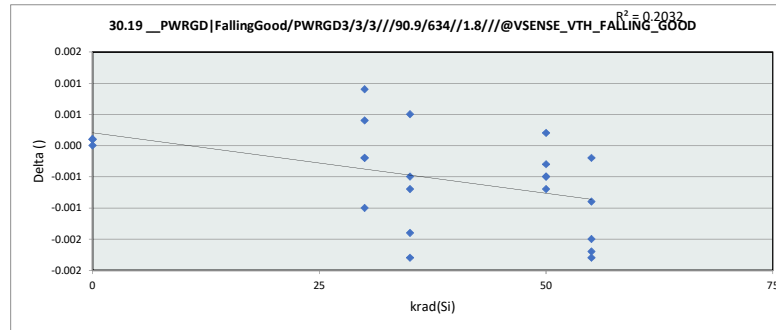
30.18 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit	1.078				
Min Limit	1.042				
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.058	1.058	1.059	1.059	1.057
Average	1.060	1.060	1.061	1.061	1.061
Max	1.063	1.062	1.064	1.063	1.064
UL	1.078	1.078	1.078	1.078	1.078



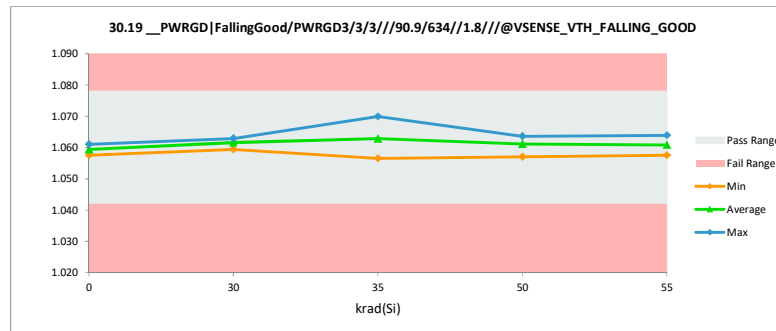
TID HDR Report TPS7H4104-SEP

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

30.19 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.08	1.078		
Min Limit	1.04	1.042		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.061	1.061	0.000
0	2	1.060	1.059	0.000
0	3	1.058	1.058	0.000
30	11	1.063	1.063	0.000
30	12	1.063	1.062	0.000
30	13	1.062	1.062	0.000
30	14	1.060	1.061	-0.001
30	15	1.060	1.059	0.001
35	16	1.060	1.061	-0.001
35	17	1.065	1.066	-0.001
35	18	1.057	1.056	0.001
35	19	1.068	1.070	-0.002
35	20	1.060	1.061	-0.001
50	30	1.064	1.064	0.000
50	31	1.062	1.062	-0.001
50	32	1.062	1.062	0.000
50	33	1.060	1.061	0.000
50	34	1.056	1.057	-0.001
55	40	1.063	1.064	-0.001
55	41	1.060	1.060	0.000
55	42	1.056	1.058	-0.002
55	43	1.059	1.061	-0.002
55	44	1.061	1.062	-0.002
	Max	1.068	1.070	0.001
	Average	1.061	1.061	-0.001
	Min	1.056	1.056	-0.002
	Std Dev	0.003	0.003	0.001



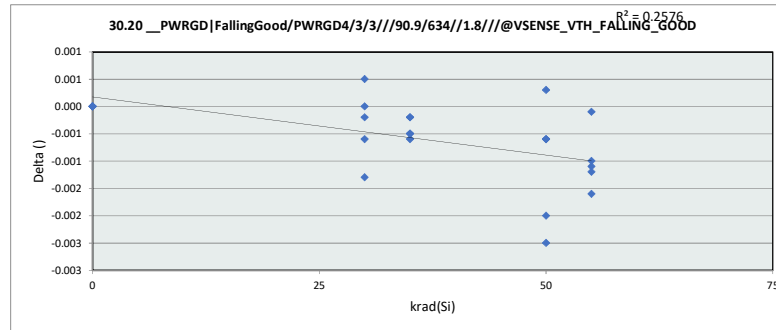
30.19 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit	1.078				
Min Limit	1.042				
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.058	1.059	1.057	1.057	1.058
Average	1.059	1.062	1.063	1.061	1.061
Max	1.061	1.063	1.070	1.064	1.064
UL	1.078	1.078	1.078	1.078	1.078



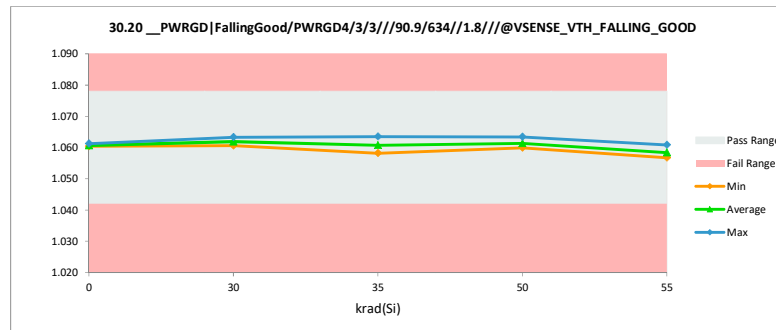
TID HDR Report TPS7H4104-SEP

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

30.20 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.08	1.078	
Min Limit		1.04	1.042	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.060	1.060	0.000
0	2	1.061	1.061	0.000
0	3	1.060	1.060	0.000
30	11	1.060	1.061	-0.001
30	12	1.062	1.063	-0.001
30	13	1.061	1.061	0.000
30	14	1.063	1.063	0.000
30	15	1.062	1.062	0.000
35	16	1.060	1.061	-0.001
35	17	1.059	1.060	-0.001
35	18	1.063	1.064	0.000
35	19	1.061	1.061	0.000
35	20	1.058	1.058	0.000
50	30	1.060	1.063	-0.003
50	31	1.060	1.060	-0.001
50	32	1.060	1.060	0.000
50	33	1.061	1.063	-0.002
50	34	1.060	1.061	-0.001
55	40	1.060	1.061	-0.001
55	41	1.057	1.058	-0.001
55	42	1.055	1.057	-0.002
55	43	1.056	1.058	-0.001
55	44	1.059	1.059	0.000
	Max	1.063	1.064	0.000
	Average	1.060	1.061	-0.001
	Min	1.055	1.057	-0.003
	Std Dev	0.002	0.002	0.001



30.20 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit		1.078			
Min Limit		1.042			
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.060	1.061	1.058	1.060	1.057
Average	1.061	1.062	1.061	1.061	1.058
Max	1.061	1.063	1.064	1.063	1.061
UL	1.078	1.078	1.078	1.078	1.078

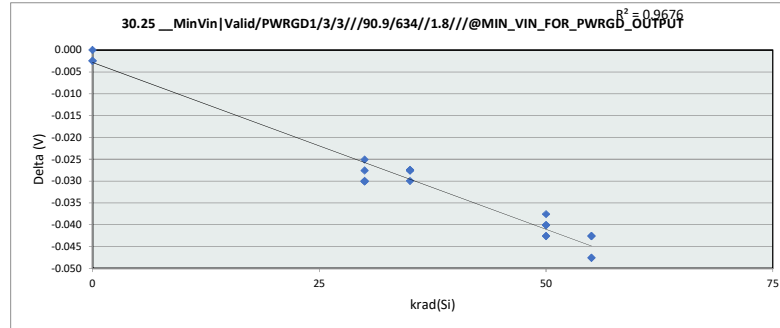


TID HDR Report

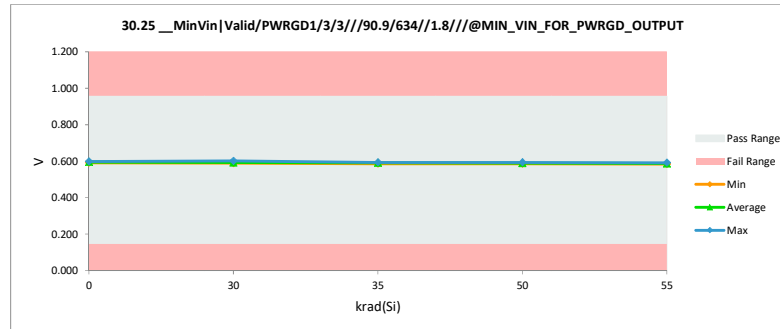
TPS7H4104-SEP

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

30.25 __MinVin Valid/PWRGD1/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	0.955		
Min Limit	0.145	0.145		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.594	0.596	-0.002
0	2	0.591	0.591	0.000
0	3	0.596	0.599	-0.002
30	11	0.561	0.589	-0.028
30	12	0.566	0.591	-0.025
30	13	0.558	0.589	-0.030
30	14	0.561	0.591	-0.030
30	15	0.571	0.601	-0.030
35	16	0.563	0.591	-0.028
35	17	0.563	0.591	-0.028
35	18	0.563	0.594	-0.030
35	19	0.558	0.586	-0.028
35	20	0.561	0.589	-0.028
50	30	0.548	0.586	-0.038
50	31	0.546	0.586	-0.040
50	32	0.551	0.594	-0.043
50	33	0.546	0.586	-0.040
50	34	0.551	0.594	-0.043
55	40	0.541	0.584	-0.043
55	41	0.546	0.589	-0.043
55	42	0.543	0.591	-0.048
55	43	0.541	0.589	-0.048
55	44	0.541	0.584	-0.043
Max		0.596	0.601	0.000
Average		0.559	0.590	-0.031
Min		0.541	0.584	-0.048
Std Dev		0.016	0.004	0.014



30.25 __MinVin Valid/PWRGD					
Test Site					
Tester					
Test Number					
Max Limit	0.955	V			
Min Limit	0.145	V			
krad(Si)	0	30	35	50	55
LL	0.145	0.145	0.145	0.145	0.145
Min	0.591	0.589	0.586	0.586	0.584
Average	0.595	0.592	0.590	0.589	0.587
Max	0.599	0.601	0.594	0.594	0.591
UL	0.955	0.955	0.955	0.955	0.955

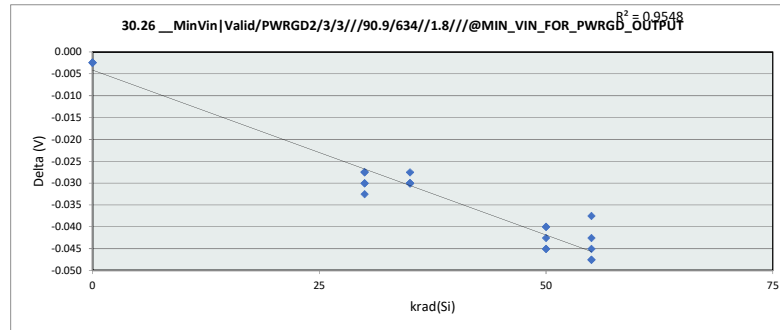


TID HDR Report

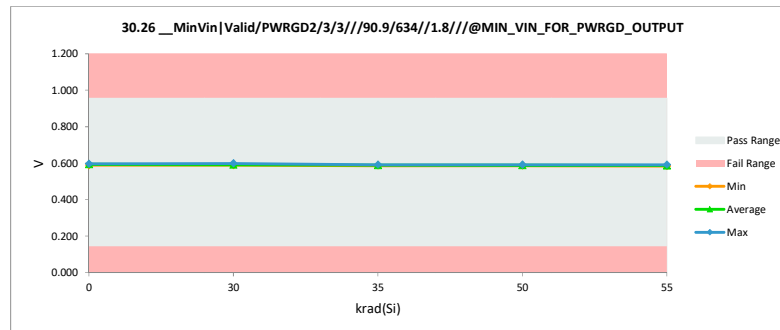
TPS7H4104-SEP

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

30.26 __MinVin Valid/PWRGD2/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	0.955		
Min Limit	0.145	0.145		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.594	0.596	-0.002
0	2	0.586	0.589	-0.002
0	3	0.594	0.596	-0.002
30	11	0.561	0.589	-0.028
30	12	0.563	0.591	-0.028
30	13	0.558	0.589	-0.030
30	14	0.558	0.591	-0.033
30	15	0.568	0.599	-0.030
35	16	0.561	0.591	-0.030
35	17	0.561	0.591	-0.030
35	18	0.561	0.589	-0.028
35	19	0.556	0.586	-0.030
35	20	0.558	0.589	-0.030
50	30	0.546	0.586	-0.040
50	31	0.546	0.586	-0.040
50	32	0.546	0.591	-0.045
50	33	0.546	0.589	-0.043
50	34	0.546	0.591	-0.045
55	40	0.548	0.586	-0.038
55	41	0.543	0.589	-0.045
55	42	0.543	0.591	-0.048
55	43	0.541	0.589	-0.048
55	44	0.541	0.584	-0.043
Max		0.594	0.599	-0.002
Average		0.558	0.590	-0.032
Min		0.541	0.584	-0.048
Std Dev		0.016	0.004	0.014



30.26 __MinVin Valid/PWRGD					
Test Site					
Tester					
Test Number					
Max Limit	0.955	V			
Min Limit	0.145	V			
krad(Si)	0	30	35	50	55
LL	0.145	0.145	0.145	0.145	0.145
Min	0.589	0.589	0.586	0.586	0.584
Average	0.594	0.592	0.589	0.589	0.588
Max	0.596	0.599	0.591	0.591	0.591
UL	0.955	0.955	0.955	0.955	0.955

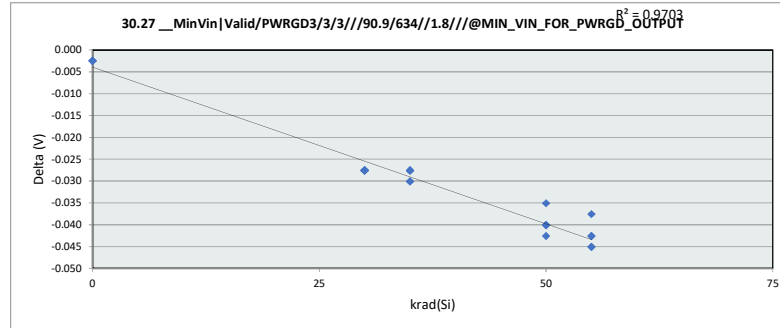


TID HDR Report

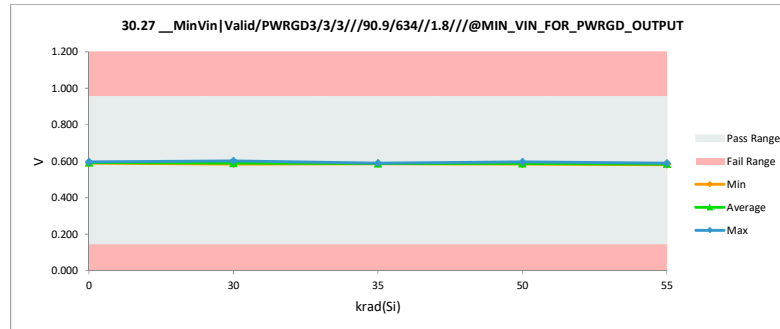
TPS7H4104-SEP

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

30.27 __MinVin Valid/PWRGD3/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	0.955		
Min Limit	0.145	0.145		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.591	0.594	-0.002
0	2	0.586	0.589	-0.002
0	3	0.594	0.596	-0.002
30	11	0.561	0.589	-0.028
30	12	0.558	0.586	-0.028
30	13	0.556	0.584	-0.028
30	14	0.558	0.586	-0.028
30	15	0.573	0.601	-0.028
35	16	0.561	0.589	-0.028
35	17	0.558	0.586	-0.028
35	18	0.556	0.586	-0.030
35	19	0.556	0.586	-0.030
35	20	0.558	0.586	-0.028
50	30	0.548	0.584	-0.035
50	31	0.543	0.584	-0.040
50	32	0.546	0.589	-0.043
50	33	0.546	0.586	-0.040
50	34	0.556	0.596	-0.040
55	40	0.541	0.584	-0.043
55	41	0.541	0.586	-0.045
55	42	0.543	0.589	-0.045
55	43	0.541	0.584	-0.043
55	44	0.543	0.581	-0.038
Max		0.594	0.601	-0.002
Average		0.557	0.588	-0.030
Min		0.541	0.581	-0.045
Std Dev		0.016	0.005	0.013



30.27 __MinVin Valid/PWRGD					
Test Site					
Tester					
Test Number					
Max Limit	0.955	V			
Min Limit	0.145	V			
krad(Si)	0	30	35	50	55
LL	0.145	0.145	0.145	0.145	0.145
Min	0.589	0.584	0.586	0.584	0.581
Average	0.593	0.589	0.587	0.588	0.585
Max	0.596	0.601	0.589	0.596	0.589
UL	0.955	0.955	0.955	0.955	0.955

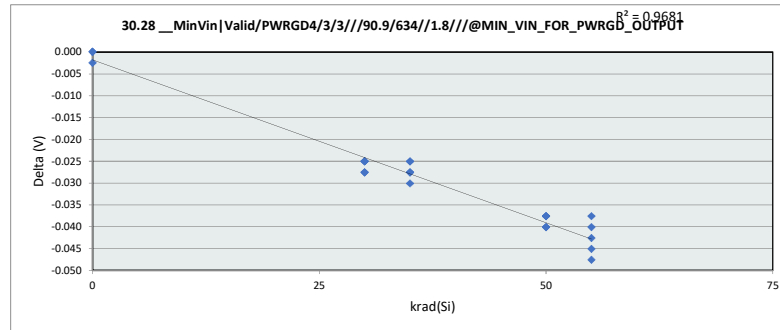


TID HDR Report

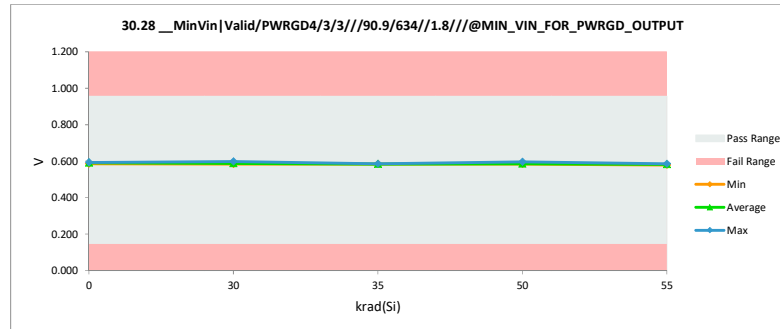
TPS7H4104-SEP

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

30.28 __MinVin Valid/PWRGD4/				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	1	0.955		
Min Limit	0.145	0.145		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.591	0.594	-0.002
0	2	0.586	0.586	0.000
0	3	0.594	0.594	0.000
30	11	0.561	0.586	-0.025
30	12	0.561	0.586	-0.025
30	13	0.556	0.584	-0.028
30	14	0.558	0.586	-0.028
30	15	0.573	0.599	-0.025
35	16	0.561	0.586	-0.025
35	17	0.558	0.584	-0.025
35	18	0.556	0.586	-0.030
35	19	0.556	0.584	-0.028
35	20	0.556	0.584	-0.028
50	30	0.546	0.584	-0.038
50	31	0.546	0.584	-0.038
50	32	0.548	0.586	-0.038
50	33	0.543	0.584	-0.040
50	34	0.556	0.596	-0.040
55	40	0.541	0.581	-0.040
55	41	0.546	0.584	-0.038
55	42	0.538	0.586	-0.048
55	43	0.538	0.584	-0.045
55	44	0.536	0.578	-0.043
Max		0.594	0.599	0.000
Average		0.557	0.586	-0.029
Min		0.536	0.578	-0.048
Std Dev		0.016	0.005	0.013



30.28 __MinVin Valid/PWRGD					
Test Site					
Tester					
Test Number					
Max Limit	0.955	V			
Min Limit	0.145	V			
krad(Si)	0	30	35	50	55
LL	0.145	0.145	0.145	0.145	0.145
Min	0.586	0.584	0.584	0.584	0.579
Average	0.591	0.588	0.585	0.587	0.583
Max	0.594	0.599	0.586	0.596	0.586
UL	0.955	0.955	0.955	0.955	0.955

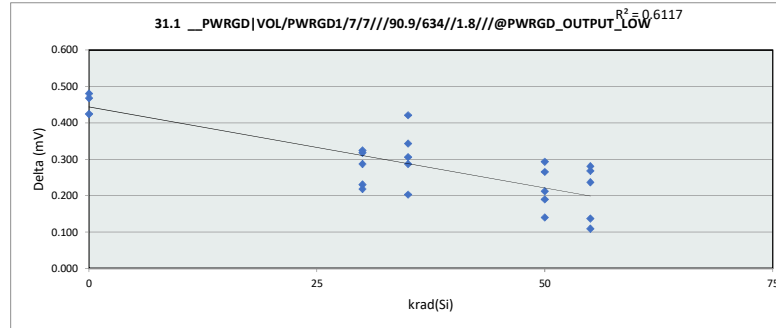


TID HDR Report

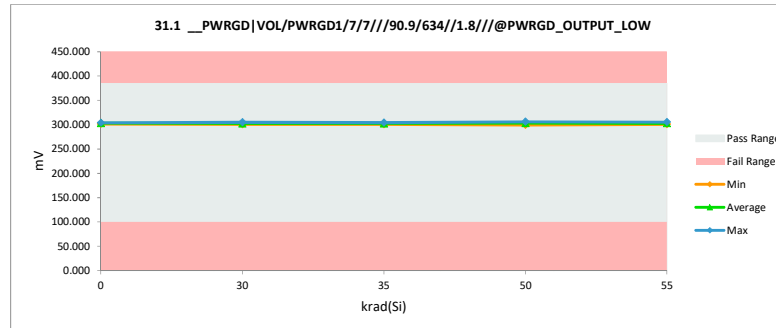
TPS7H4104-SEP

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

31.1 __PWRGD VOL/PWRGD1/7/7///90.9/634//1.8///@PWRGD_OUTPUT_LOW				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		400	385	
Min Limit		100	100	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	304.432	303.953	0.480
0	2	301.925	301.457	0.467
0	3	304.023	303.600	0.424
30	11	300.707	300.489	0.217
30	12	303.652	303.365	0.286
30	13	300.722	300.492	0.230
30	14	303.308	302.984	0.324
30	15	305.076	304.758	0.317
35	16	304.029	303.609	0.420
35	17	302.609	302.322	0.286
35	18	304.601	304.259	0.342
35	19	300.919	300.614	0.305
35	20	301.000	300.798	0.202
50	30	303.014	302.722	0.292
50	31	299.683	299.418	0.264
50	32	304.688	304.477	0.211
50	33	303.177	302.988	0.189
50	34	305.925	305.785	0.139
55	40	300.891	300.755	0.136
55	41	302.409	302.172	0.236
55	42	305.397	305.130	0.267
55	43	303.730	303.450	0.280
55	44	301.653	301.545	0.108
Max		305.925	305.785	0.480
Average		302.938	302.658	0.279
Min		299.683	299.418	0.108
Std Dev		1.743	1.721	0.100



31.1 __PWRGD VOL/PWRGD1/7/7///90.9/634//1.8///@PWRGD_OUTPUT_LOW					
Test Site					
Tester					
Test Number					
Max Limit	385		mV		
Min Limit	100		mV		
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	301.457	300.489	300.614	299.418	300.755
Average	303.003	302.418	302.321	303.078	302.610
Max	303.953	304.758	304.259	305.786	305.130
UL	385.000	385.000	385.000	385.000	385.000

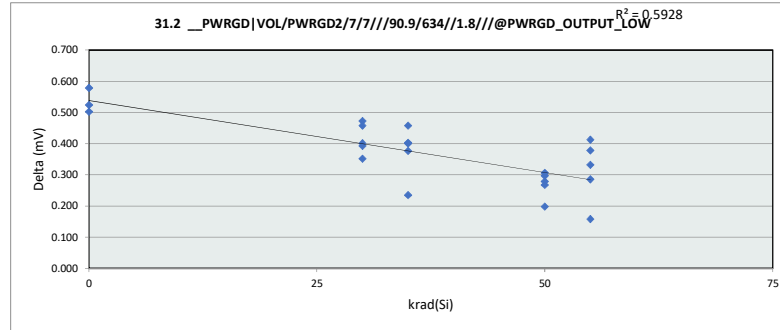


TID HDR Report

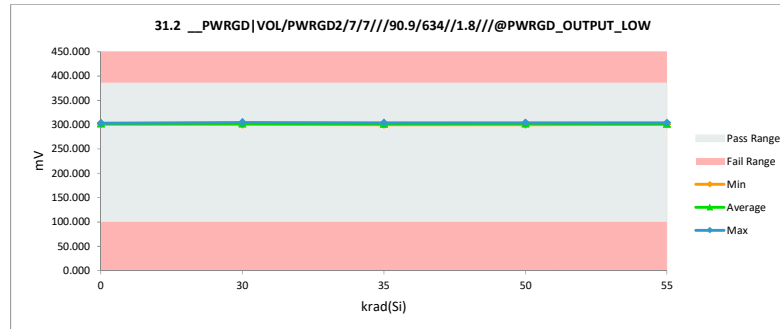
TPS7H4104-SEP

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

31.2 __PWRGD VOL/PWRGD2/7/7///90.9/634//1.8///@PWRGD_OUTPUT_LOW				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		400	385	
Min Limit		100	100	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	303.448	302.870	0.578
0	2	301.415	300.913	0.502
0	3	303.922	303.399	0.523
30	11	300.859	300.508	0.351
30	12	304.038	303.646	0.393
30	13	300.824	300.424	0.401
30	14	303.295	302.823	0.472
30	15	305.178	304.720	0.458
35	16	303.791	303.334	0.457
35	17	302.355	301.978	0.376
35	18	304.316	303.914	0.402
35	19	300.344	299.944	0.400
35	20	300.253	300.019	0.234
50	30	303.214	302.935	0.279
50	31	300.322	300.016	0.306
50	32	303.476	303.278	0.198
50	33	302.439	302.172	0.267
50	34	304.391	304.094	0.297
55	40	300.768	300.483	0.285
55	41	301.699	301.321	0.378
55	42	304.450	304.038	0.412
55	43	303.248	302.916	0.332
55	44	300.806	300.648	0.158
Max		305.178	304.720	0.578
Average		302.559	302.191	0.368
Min		300.253	299.944	0.158
Std Dev		1.582	1.546	0.106



31.2 __PWRGD VOL/PWRGD2/7/7///90.9/634//1.8///@PWRGD_OUTPUT_LOW					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	300.913	300.424	299.944	300.016	300.483
Average	302.394	302.424	301.838	302.499	301.881
Max	303.399	304.721	303.914	304.094	304.038
UL	385.000	385.000	385.000	385.000	385.000

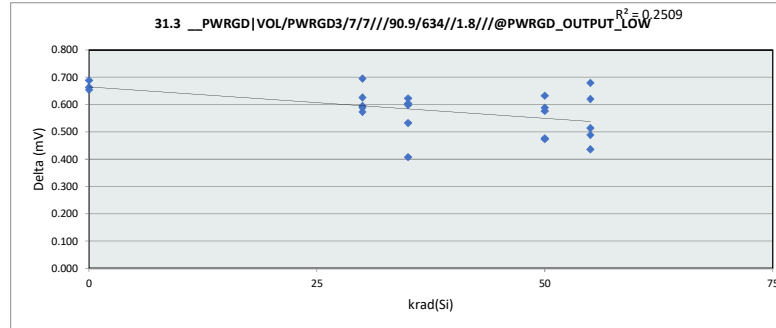


TID HDR Report

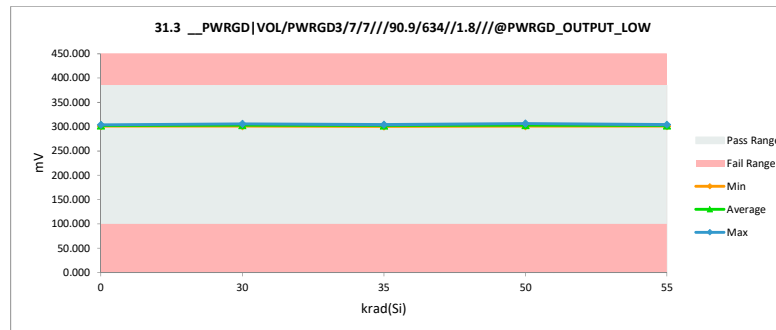
TPS7H4104-SEP

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

31.3 __PWRGD VOL/PWRGD3/7/7///90.9/634//1.8///@PWRGD_OUTPUT_LOW				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	400	385		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	304.377	303.713	0.664
0	2	301.922	301.268	0.654
0	3	304.396	303.707	0.689
30	11	301.916	301.327	0.589
30	12	303.708	303.135	0.573
30	13	301.719	301.093	0.626
30	14	304.570	303.975	0.595
30	15	306.360	305.665	0.695
35	16	304.970	304.347	0.623
35	17	302.787	302.183	0.604
35	18	304.008	303.476	0.533
35	19	301.191	300.593	0.598
35	20	301.847	301.440	0.408
50	30	303.115	302.539	0.576
50	31	301.560	300.927	0.633
50	32	305.036	304.447	0.589
50	33	303.858	303.385	0.473
50	34	306.903	306.427	0.476
55	40	301.519	301.030	0.489
55	41	302.575	301.896	0.679
55	42	304.945	304.325	0.620
55	43	304.720	304.207	0.514
55	44	302.075	301.639	0.436
Max		306.903	306.427	0.695
Average		303.482	302.902	0.580
Min		301.191	300.593	0.408
Std Dev		1.630	1.622	0.081



31.3 __PWRGD VOL/PWRGD3/7/7///90.9/634//1.8///@PWRGD_OUTPUT_LOW					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	301.268	301.093	300.593	300.927	301.030
Average	302.896	303.039	302.408	303.545	302.619
Max	303.713	305.665	304.347	306.427	304.325
UL	385.000	385.000	385.000	385.000	385.000

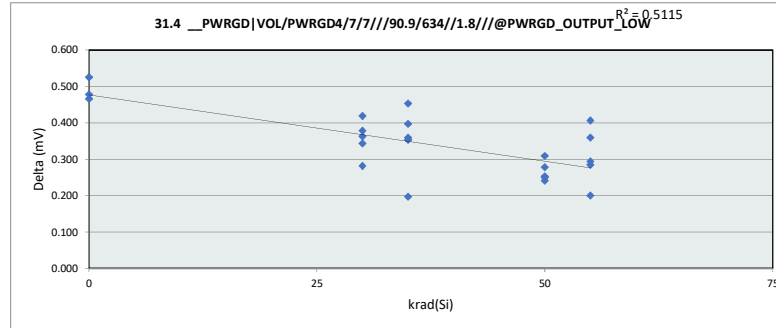


TID HDR Report

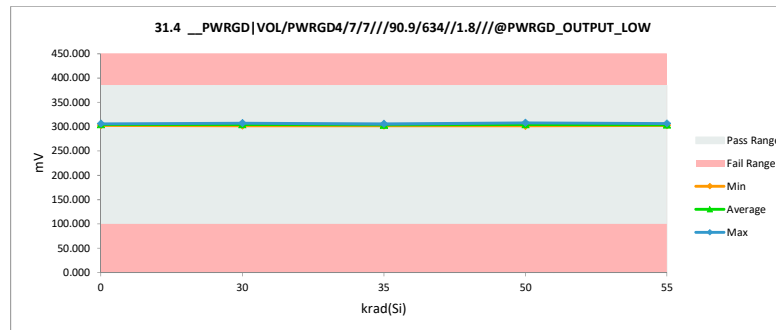
TPS7H4104-SEP

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

31.4 __PWRGD VOL/PWRGD4/7/7//90.9/634//1.8///@PWRGD_OUTPUT_LOW				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		400	385	
Min Limit		100	100	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	306.361	305.836	0.524
0	2	303.094	302.617	0.477
0	3	305.496	305.031	0.465
30	11	303.678	303.301	0.377
30	12	305.355	305.074	0.281
30	13	302.319	301.977	0.343
30	14	305.527	305.165	0.362
30	15	307.576	307.158	0.418
35	16	305.908	305.455	0.453
35	17	304.668	304.272	0.396
35	18	305.680	305.327	0.353
35	19	302.257	301.898	0.359
35	20	302.532	302.336	0.196
50	30	304.493	304.216	0.278
50	31	302.001	301.692	0.309
50	32	305.343	305.093	0.250
50	33	304.349	304.097	0.253
50	34	307.922	307.682	0.240
55	40	302.910	302.626	0.284
55	41	304.197	303.791	0.406
55	42	306.661	306.302	0.359
55	43	305.290	304.996	0.293
55	44	303.559	303.360	0.199
Max		307.922	307.682	0.524
Average		304.660	304.317	0.342
Min		302.001	301.692	0.196
Std Dev		1.683	1.665	0.090



31.4 __PWRGD VOL/PWRGD4/7/7//90.9/634//1.8///@PWRGD_OUTPUT_LOW					
Test Site					
Tester					
Test Number					
Max Limit	385	mV			
Min Limit	100	mV			
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	302.617	301.977	301.898	301.692	302.626
Average	304.495	304.535	303.858	304.556	304.215
Max	305.837	307.158	305.455	307.682	306.302
UL	385.000	385.000	385.000	385.000	385.000

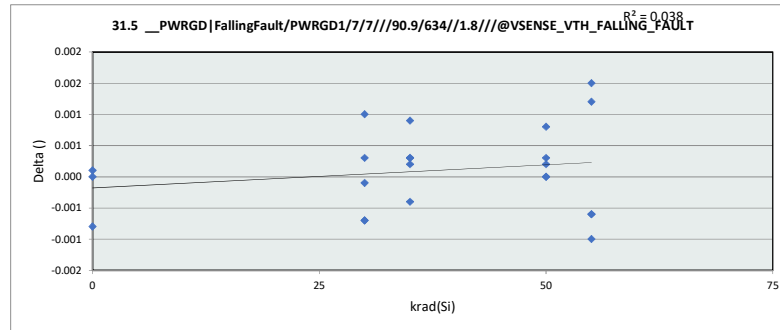


TID HDR Report

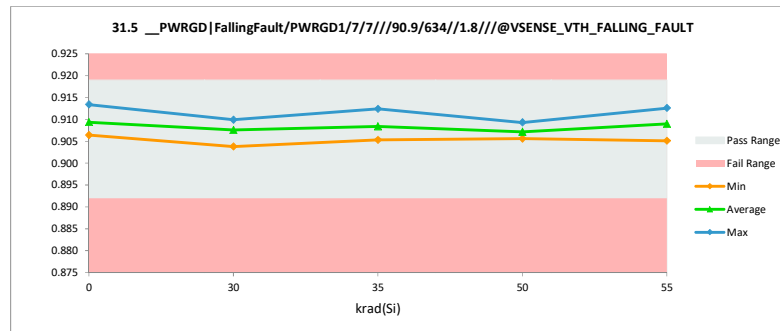
TPS7H4104-SEP

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

31.5 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.906	0.906	0.000
0	2	0.913	0.913	-0.001
0	3	0.908	0.908	0.000
30	11	0.909	0.909	0.000
30	12	0.910	0.909	0.001
30	13	0.903	0.904	-0.001
30	14	0.909	0.910	-0.001
30	15	0.907	0.907	0.000
35	16	0.910	0.909	0.001
35	17	0.908	0.908	0.000
35	18	0.912	0.912	0.000
35	19	0.906	0.905	0.000
35	20	0.908	0.908	0.000
50	30	0.907	0.907	0.000
50	31	0.907	0.907	0.000
50	32	0.908	0.907	0.001
50	33	0.906	0.906	0.000
50	34	0.910	0.909	0.000
55	40	0.908	0.908	-0.001
55	41	0.912	0.913	-0.001
55	42	0.909	0.910	-0.001
55	43	0.910	0.909	0.001
55	44	0.907	0.905	0.002
Max		0.913	0.913	0.002
Average		0.908	0.908	0.000
Min		0.903	0.904	-0.001
Std Dev		0.002	0.002	0.001



31.5 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.906	0.904	0.905	0.906	0.905
Average	0.909	0.908	0.908	0.907	0.909
Max	0.913	0.910	0.912	0.909	0.913
UL	0.919	0.919	0.919	0.919	0.919

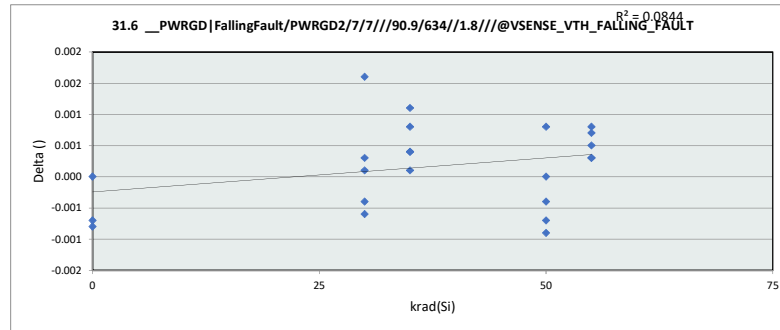


TID HDR Report

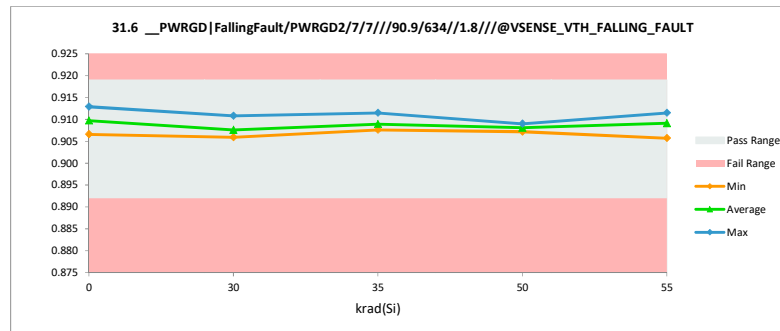
TPS7H4104-SEP

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

31.6 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.912	0.913	-0.001
0	2	0.909	0.910	-0.001
0	3	0.907	0.907	0.000
30	11	0.905	0.906	0.000
30	12	0.908	0.909	-0.001
30	13	0.911	0.911	0.000
30	14	0.906	0.906	0.000
30	15	0.908	0.906	0.002
35	16	0.909	0.909	0.001
35	17	0.908	0.908	0.000
35	18	0.908	0.908	0.000
35	19	0.912	0.911	0.000
35	20	0.910	0.909	0.001
50	30	0.907	0.907	0.000
50	31	0.907	0.908	-0.001
50	32	0.908	0.908	0.001
50	33	0.908	0.908	0.000
50	34	0.908	0.909	-0.001
55	40	0.912	0.911	0.001
55	41	0.911	0.910	0.000
55	42	0.906	0.906	0.001
55	43	0.909	0.909	0.000
55	44	0.910	0.909	0.001
	Max	0.912	0.913	0.002
	Average	0.909	0.909	0.000
	Min	0.905	0.906	-0.001
	Std Dev	0.002	0.002	0.001



31.6 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.907	0.906	0.908	0.907	0.906
Average	0.910	0.908	0.909	0.908	0.909
Max	0.913	0.911	0.912	0.909	0.912
UL	0.919	0.919	0.919	0.919	0.919

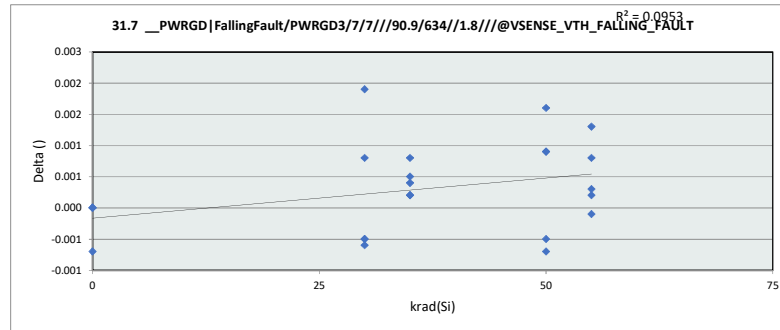


TID HDR Report

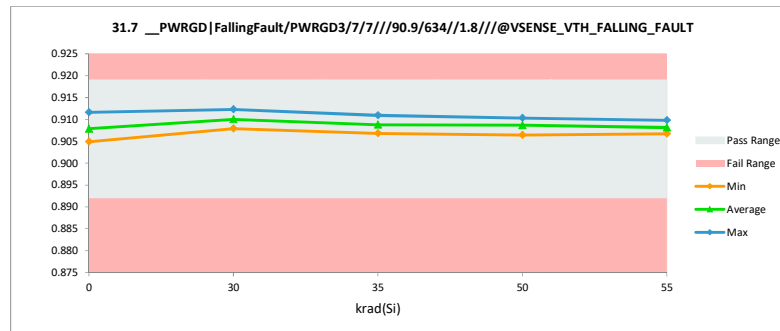
TPS7H4104-SEP

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

31.7 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.911	0.912	-0.001
0	2	0.905	0.905	0.000
0	3	0.907	0.907	0.000
30	11	0.911	0.912	-0.001
30	12	0.912	0.910	0.002
30	13	0.912	0.912	0.000
30	14	0.908	0.908	-0.001
30	15	0.909	0.908	0.001
35	16	0.910	0.909	0.001
35	17	0.909	0.909	0.000
35	18	0.909	0.908	0.001
35	19	0.911	0.911	0.000
35	20	0.907	0.907	0.000
50	30	0.907	0.906	0.001
50	31	0.909	0.907	0.002
50	32	0.910	0.909	0.001
50	33	0.910	0.910	-0.001
50	34	0.910	0.910	-0.001
55	40	0.909	0.909	0.000
55	41	0.909	0.909	0.000
55	42	0.911	0.910	0.001
55	43	0.908	0.907	0.001
55	44	0.907	0.907	0.000
Max		0.912	0.912	0.002
Average		0.909	0.909	0.000
Min		0.905	0.905	-0.001
Std Dev		0.002	0.002	0.001



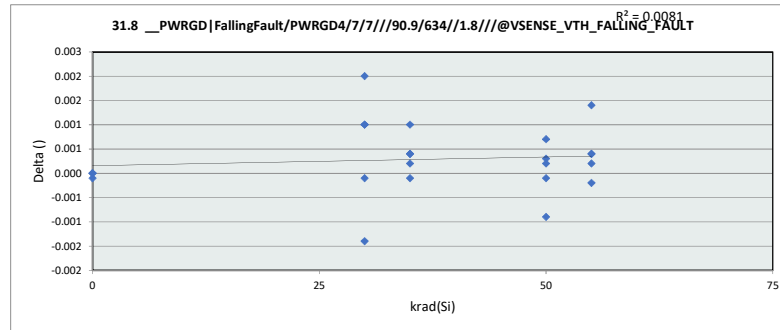
31.7 __PWRGD FallingFault/P					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.905	0.908	0.907	0.906	0.907
Average	0.908	0.910	0.909	0.909	0.908
Max	0.912	0.912	0.911	0.910	0.910
UL	0.919	0.919	0.919	0.919	0.919



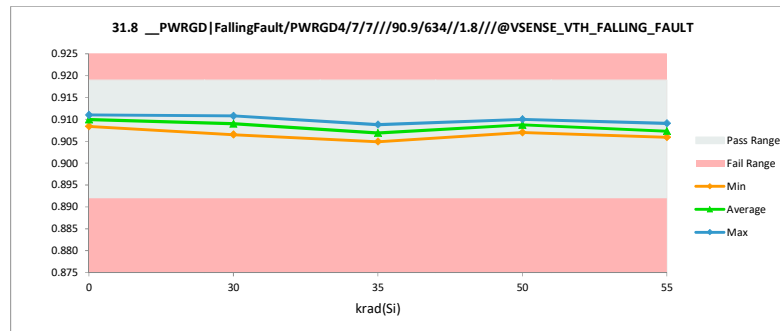
TID HDR Report TPS7H4104-SEP

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

31.8 __PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.92	0.919	
Min Limit		0.89	0.892	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.911	0.911	0.000
0	2	0.908	0.908	0.000
0	3	0.910	0.910	0.000
30	11	0.908	0.910	-0.001
30	12	0.908	0.906	0.001
30	13	0.910	0.908	0.002
30	14	0.912	0.911	0.001
30	15	0.911	0.911	0.000
35	16	0.905	0.905	0.000
35	17	0.907	0.907	0.000
35	18	0.908	0.907	0.000
35	19	0.909	0.909	0.000
35	20	0.908	0.907	0.001
50	30	0.908	0.908	0.000
50	31	0.908	0.907	0.001
50	32	0.909	0.910	-0.001
50	33	0.909	0.909	0.000
50	34	0.910	0.910	0.000
55	40	0.909	0.909	0.000
55	41	0.910	0.909	0.000
55	42	0.908	0.906	0.001
55	43	0.907	0.906	0.000
55	44	0.906	0.906	0.000
	Max	0.912	0.911	0.002
	Average	0.909	0.908	0.000
	Min	0.905	0.905	-0.001
	Std Dev	0.002	0.002	0.001



31.8 __PWRGD FallingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		0.919			
Min Limit		0.892			
krad(Si)	0	30	35	50	55
LL	0.892	0.892	0.892	0.892	0.892
Min	0.908	0.907	0.905	0.907	0.906
Average	0.910	0.909	0.907	0.909	0.907
Max	0.911	0.911	0.909	0.910	0.909
UL	0.919	0.919	0.919	0.919	0.919

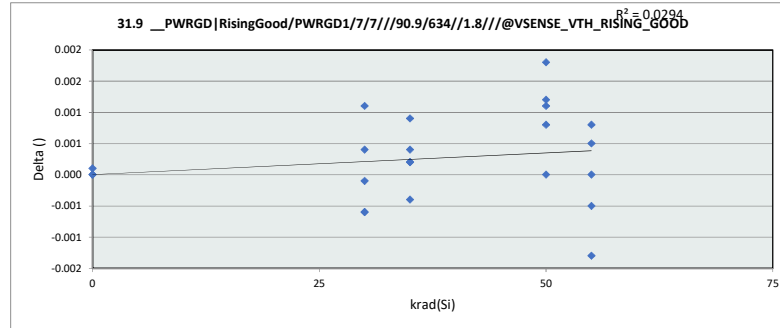


TID HDR Report

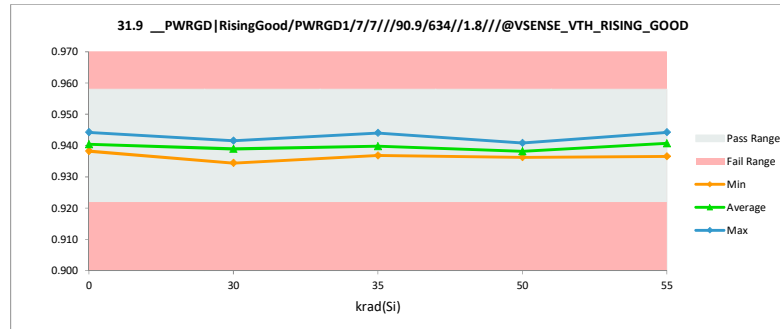
TPS7H4104-SEP

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

31.9 __PWRGD RisingGood/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.958		
Min Limit	0.92	0.922		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.939	0.939	0.000
0	2	0.944	0.944	0.000
0	3	0.938	0.938	0.000
30	11	0.941	0.941	0.000
30	12	0.942	0.940	0.001
30	13	0.934	0.934	-0.001
30	14	0.941	0.942	-0.001
30	15	0.937	0.937	0.000
35	16	0.940	0.939	0.001
35	17	0.939	0.939	0.000
35	18	0.944	0.944	0.000
35	19	0.937	0.937	0.000
35	20	0.940	0.940	0.000
50	30	0.938	0.938	0.001
50	31	0.938	0.938	0.000
50	32	0.940	0.938	0.002
50	33	0.937	0.936	0.001
50	34	0.942	0.941	0.001
55	40	0.938	0.940	-0.001
55	41	0.944	0.944	0.000
55	42	0.942	0.942	0.000
55	43	0.942	0.941	0.001
55	44	0.937	0.937	0.001
	Max	0.944	0.944	0.002
	Average	0.940	0.940	0.000
	Min	0.934	0.934	-0.001
	Std Dev	0.003	0.003	0.001



31.9 __PWRGD RisingGood/P					
Test Site					
Tester					
Test Number					
Max Limit	0.958				
Min Limit	0.922				
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.938	0.934	0.937	0.936	0.937
Average	0.940	0.939	0.940	0.938	0.941
Max	0.944	0.942	0.944	0.941	0.944
UL	0.958	0.958	0.958	0.958	0.958

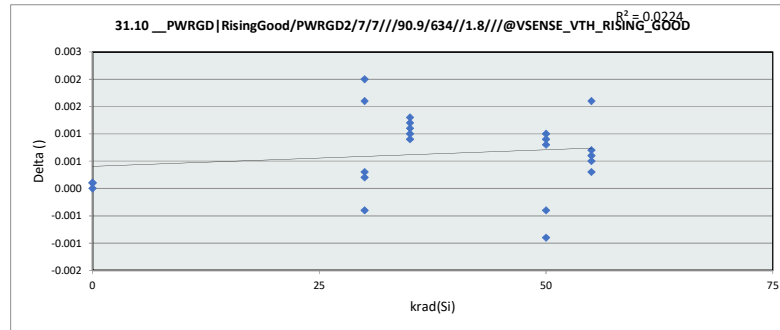


TID HDR Report

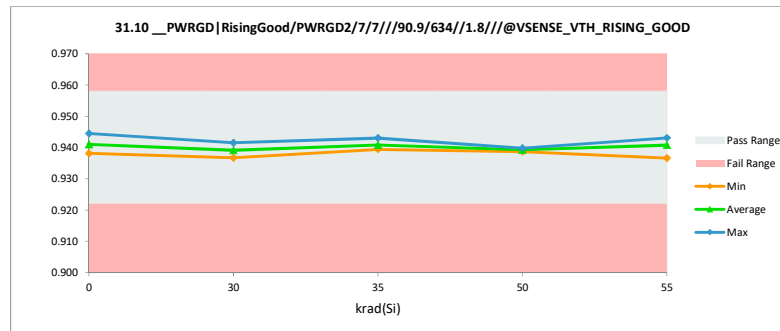
TPS7H4104-SEP

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

31.10 __PWRGD RisingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.958		
Min Limit	0.92	0.922		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.945	0.945	0.000
0	2	0.941	0.941	0.000
0	3	0.938	0.938	0.000
30	11	0.936	0.937	0.000
30	12	0.941	0.941	0.000
30	13	0.943	0.942	0.002
30	14	0.939	0.938	0.000
30	15	0.939	0.938	0.002
35	16	0.941	0.940	0.001
35	17	0.940	0.939	0.001
35	18	0.941	0.940	0.001
35	19	0.944	0.943	0.001
35	20	0.943	0.942	0.001
50	30	0.939	0.939	0.001
50	31	0.939	0.940	-0.001
50	32	0.940	0.939	0.001
50	33	0.938	0.939	0.000
50	34	0.941	0.940	0.001
55	40	0.944	0.943	0.001
55	41	0.943	0.943	0.000
55	42	0.938	0.937	0.002
55	43	0.941	0.941	0.000
55	44	0.942	0.941	0.001
	Max	0.945	0.945	0.002
	Average	0.941	0.940	0.001
	Min	0.936	0.937	-0.001
	Std Dev	0.002	0.002	0.001



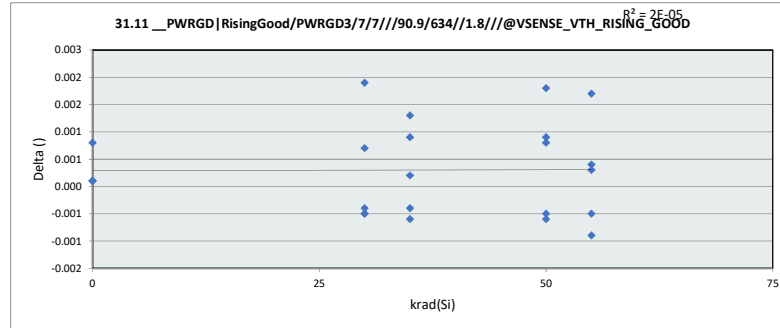
31.10 __PWRGD RisingGood/PV					
Test Site					
Tester					
Test Number					
Max Limit	0.958				
Min Limit	0.922				
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.938	0.937	0.939	0.939	0.937
Average	0.941	0.939	0.941	0.939	0.941
Max	0.945	0.942	0.943	0.940	0.943
UL	0.958	0.958	0.958	0.958	0.958



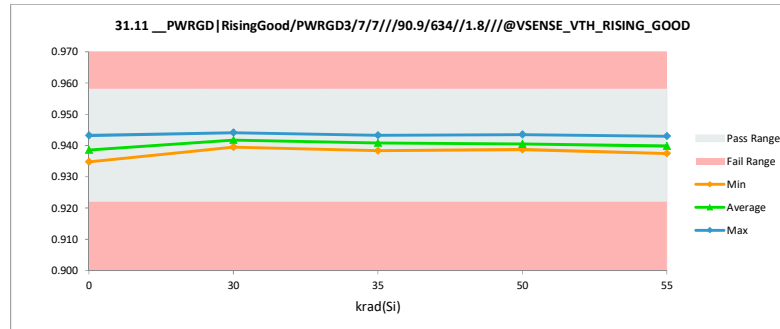
TID HDR Report
TPS7H4104-SEP

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

31.11 __PWRGD RisingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	0.96	0.958		
Min Limit	0.92	0.922		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.943	0.943	0.000
0	2	0.935	0.935	0.000
0	3	0.939	0.938	0.001
30	11	0.944	0.944	0.000
30	12	0.944	0.942	0.002
30	13	0.943	0.944	0.000
30	14	0.939	0.940	-0.001
30	15	0.940	0.939	0.001
35	16	0.942	0.941	0.001
35	17	0.941	0.941	-0.001
35	18	0.940	0.941	0.000
35	19	0.945	0.943	0.001
35	20	0.938	0.938	0.000
50	30	0.940	0.939	0.001
50	31	0.940	0.939	0.001
50	32	0.942	0.941	0.002
50	33	0.940	0.941	-0.001
50	34	0.943	0.943	-0.001
55	40	0.941	0.941	-0.001
55	41	0.940	0.939	0.000
55	42	0.945	0.943	0.002
55	43	0.939	0.938	0.000
55	44	0.937	0.938	-0.001
	Max	0.945	0.944	0.002
	Average	0.941	0.940	0.000
	Min	0.935	0.935	-0.001
	Std Dev	0.003	0.002	0.001



31.11 __PWRGD RisingGood/PV					
Test Site					
Tester					
Test Number					
Max Limit	0.958				
Min Limit	0.922				
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.935	0.940	0.938	0.939	0.938
Average	0.939	0.942	0.941	0.941	0.940
Max	0.943	0.944	0.943	0.944	0.943
UL	0.958	0.958	0.958	0.958	0.958

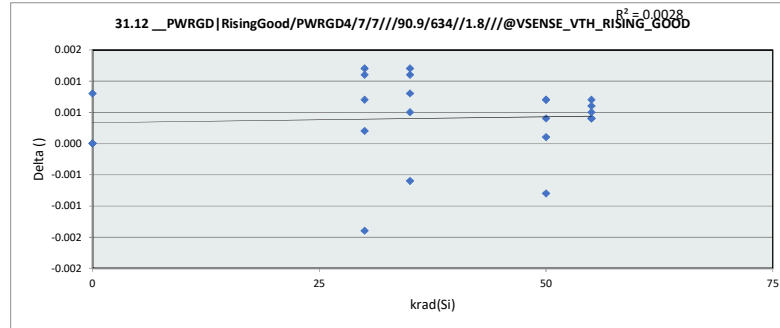


TID HDR Report

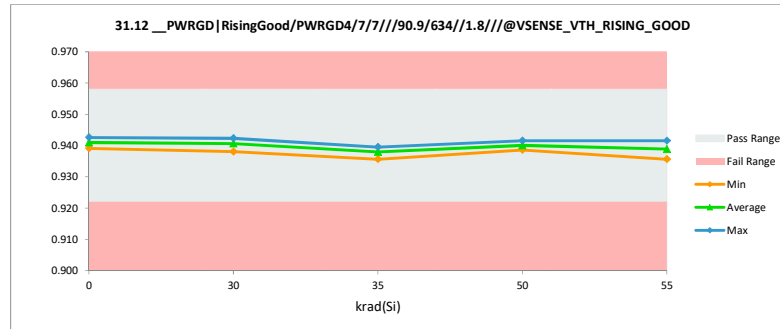
TPS7H4104-SEP

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

31.12 __PWRGD RisingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		0.96	0.958	
Min Limit		0.92	0.922	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.943	0.943	0.000
0	2	0.939	0.939	0.000
0	3	0.942	0.941	0.001
30	11	0.941	0.942	-0.001
30	12	0.938	0.938	0.000
30	13	0.940	0.939	0.001
30	14	0.943	0.942	0.001
30	15	0.942	0.942	0.001
35	16	0.936	0.936	0.001
35	17	0.938	0.939	-0.001
35	18	0.939	0.938	0.001
35	19	0.940	0.939	0.001
35	20	0.938	0.937	0.001
50	30	0.941	0.940	0.001
50	31	0.939	0.939	0.001
50	32	0.940	0.941	-0.001
50	33	0.940	0.939	0.000
50	34	0.942	0.942	0.000
55	40	0.942	0.941	0.000
55	41	0.942	0.942	0.000
55	42	0.939	0.939	0.001
55	43	0.938	0.937	0.000
55	44	0.936	0.936	0.001
	Max	0.943	0.943	0.001
	Average	0.940	0.940	0.000
	Min	0.936	0.936	-0.001
	Std Dev	0.002	0.002	0.001



31.12 __PWRGD RisingGood/PV					
Test Site					
Tester					
Test Number					
Max Limit		0.958			
Min Limit		0.922			
krad(Si)	0	30	35	50	55
LL	0.922	0.922	0.922	0.922	0.922
Min	0.939	0.938	0.936	0.939	0.936
Average	0.941	0.941	0.938	0.940	0.939
Max	0.943	0.942	0.940	0.942	0.942
UL	0.958	0.958	0.958	0.958	0.958

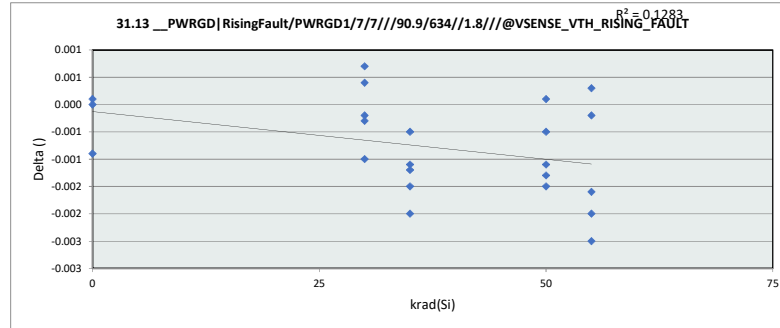


TID HDR Report

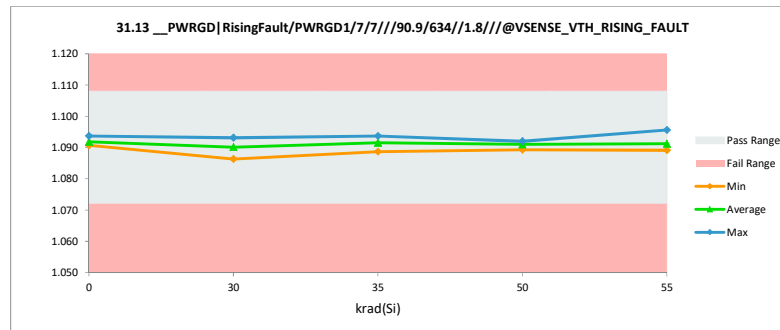
TPS7H4104-SEP

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

31.13 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.11	1.108	
Min Limit		1.07	1.072	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.091	1.091	0.000
0	2	1.091	1.091	0.000
0	3	1.093	1.094	-0.001
30	11	1.092	1.091	0.001
30	12	1.087	1.086	0.000
30	13	1.088	1.089	0.000
30	14	1.093	1.093	0.000
30	15	1.091	1.092	-0.001
35	16	1.087	1.089	-0.002
35	17	1.090	1.091	-0.001
35	18	1.093	1.094	-0.001
35	19	1.090	1.092	-0.002
35	20	1.092	1.092	0.000
50	30	1.089	1.089	0.000
50	31	1.090	1.090	0.000
50	32	1.090	1.092	-0.002
50	33	1.090	1.091	-0.001
50	34	1.091	1.092	-0.001
55	40	1.089	1.090	-0.002
55	41	1.094	1.096	-0.002
55	42	1.091	1.091	0.000
55	43	1.090	1.090	0.000
55	44	1.087	1.089	-0.003
Max		1.094	1.096	0.001
Average		1.090	1.091	-0.001
Min		1.087	1.086	-0.003
Std Dev		0.002	0.002	0.001



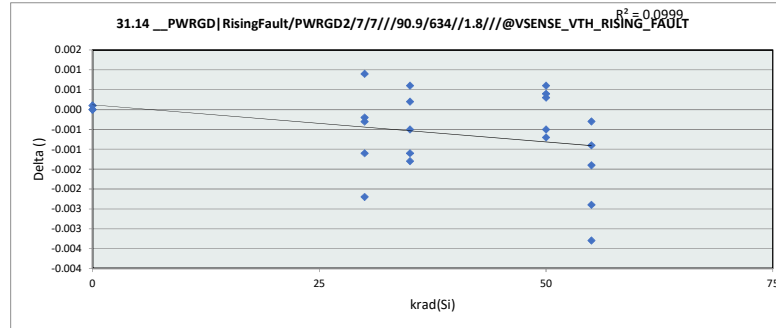
31.13 __PWRGD RisingFault/P					
Test Site					
Tester					
Test Number					
Max Limit		1.108			
Min Limit		1.072			
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.091	1.086	1.089	1.089	1.089
Average	1.092	1.090	1.092	1.091	1.091
Max	1.094	1.093	1.094	1.092	1.096
UL	1.108	1.108	1.108	1.108	1.108



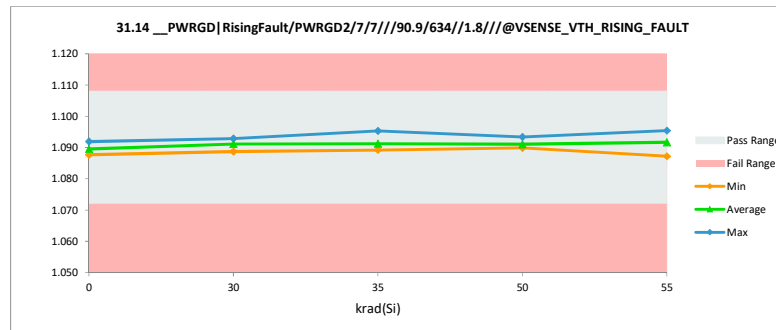
TID HDR Report TPS7H4104-SEP

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

31.14 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.108		
Min Limit	1.07	1.072		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.092	1.092	0.000
0	2	1.088	1.088	0.000
0	3	1.089	1.089	0.000
30	11	1.091	1.091	0.000
30	12	1.091	1.093	-0.002
30	13	1.091	1.092	-0.001
30	14	1.088	1.089	0.000
30	15	1.092	1.091	0.001
35	16	1.091	1.091	0.000
35	17	1.089	1.090	0.000
35	18	1.090	1.089	0.001
35	19	1.090	1.091	-0.001
35	20	1.094	1.095	-0.001
50	30	1.090	1.090	-0.001
50	31	1.089	1.090	0.000
50	32	1.090	1.090	0.000
50	33	1.094	1.093	0.001
50	34	1.092	1.092	0.000
55	40	1.090	1.093	-0.003
55	41	1.086	1.087	-0.001
55	42	1.090	1.092	-0.001
55	43	1.095	1.095	0.000
55	44	1.089	1.091	-0.002
Max		1.095	1.095	0.001
Average		1.090	1.091	-0.001
Min		1.086	1.087	-0.003
Std Dev		0.002	0.002	0.001



31.14 __PWRGD RisingFault/P					
Test Site					
Tester					
Test Number					
Max Limit	1.108				
Min Limit	1.072				
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.088	1.089	1.089	1.090	1.087
Average	1.090	1.091	1.091	1.091	1.092
Max	1.092	1.093	1.095	1.093	1.095
UL	1.108	1.108	1.108	1.108	1.108

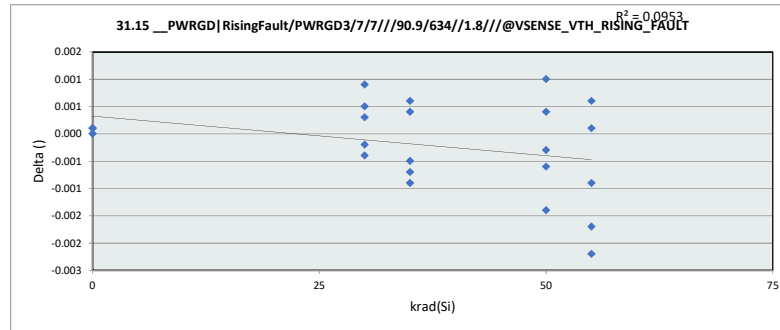


TID HDR Report

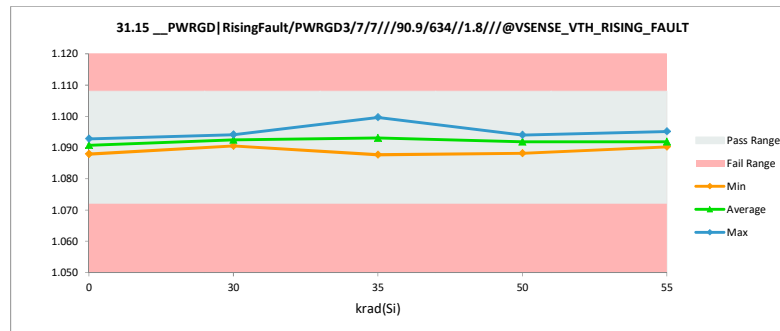
TPS7H4104-SEP

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

31.15 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.11	1.108	
Min Limit		1.07	1.072	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.093	1.093	0.000
0	2	1.092	1.091	0.000
0	3	1.088	1.088	0.000
30	11	1.094	1.094	0.000
30	12	1.094	1.094	0.000
30	13	1.093	1.092	0.001
30	14	1.091	1.092	0.000
30	15	1.091	1.090	0.001
35	16	1.090	1.091	-0.001
35	17	1.096	1.097	0.000
35	18	1.088	1.088	0.001
35	19	1.099	1.100	-0.001
35	20	1.090	1.090	0.000
50	30	1.095	1.094	0.001
50	31	1.092	1.093	-0.001
50	32	1.092	1.093	-0.001
50	33	1.091	1.091	0.000
50	34	1.089	1.088	0.000
55	40	1.093	1.095	-0.002
55	41	1.091	1.090	0.001
55	42	1.089	1.091	-0.002
55	43	1.090	1.091	-0.001
55	44	1.092	1.092	0.000
Max		1.099	1.100	0.001
Average		1.092	1.092	0.000
Min		1.088	1.088	-0.002
Std Dev		0.003	0.003	0.001



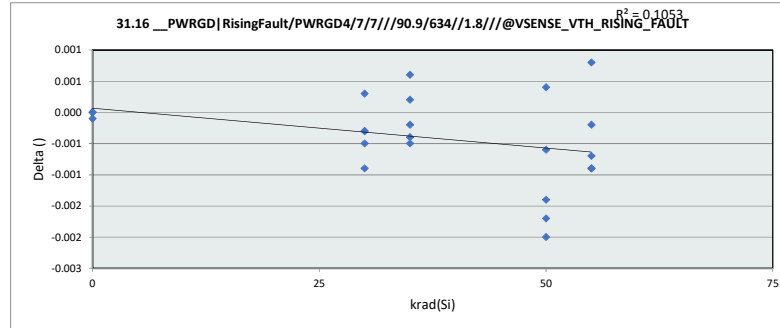
31.15 __PWRGD RisingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit		1.108			
Min Limit		1.072			
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.088	1.091	1.088	1.088	1.090
Average	1.091	1.092	1.093	1.092	1.092
Max	1.093	1.094	1.100	1.094	1.095
UL	1.108	1.108	1.108	1.108	1.108



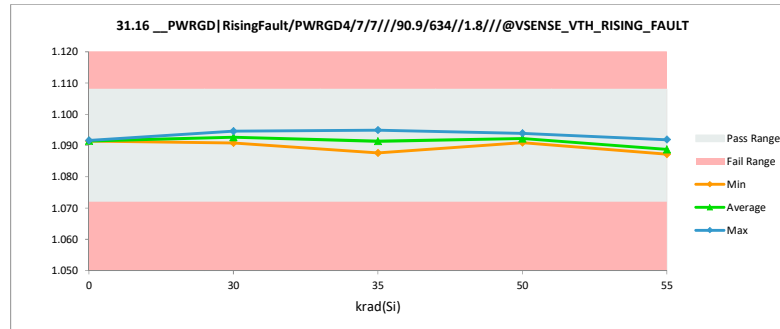
TID HDR Report TPS7H4104-SEP

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

31.16 __PWRGD RisingFault/PW				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.11	1.108		
Min Limit	1.07	1.072		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.091	1.091	0.000
0	2	1.091	1.091	0.000
0	3	1.092	1.092	0.000
30	11	1.090	1.091	0.000
30	12	1.094	1.093	0.000
30	13	1.091	1.092	0.000
30	14	1.094	1.095	0.000
30	15	1.092	1.093	-0.001
35	16	1.091	1.091	0.000
35	17	1.090	1.091	0.000
35	18	1.095	1.095	0.001
35	19	1.092	1.092	0.000
35	20	1.087	1.088	0.000
50	30	1.091	1.093	-0.002
50	31	1.090	1.091	-0.001
50	32	1.091	1.092	-0.001
50	33	1.092	1.094	-0.002
50	34	1.091	1.091	0.000
55	40	1.091	1.092	-0.001
55	41	1.087	1.088	-0.001
55	42	1.087	1.088	-0.001
55	43	1.087	1.087	0.000
55	44	1.089	1.088	0.001
	Max	1.095	1.095	0.001
	Average	1.091	1.091	0.000
	Min	1.087	1.087	-0.002
	Std Dev	0.002	0.002	0.001



31.16 __PWRGD RisingFault/PW					
Test Site					
Tester					
Test Number					
Max Limit	1.108				
Min Limit	1.072				
krad(Si)	0	30	35	50	55
LL	1.072	1.072	1.072	1.072	1.072
Min	1.091	1.091	1.088	1.091	1.087
Average	1.091	1.093	1.091	1.092	1.089
Max	1.092	1.095	1.095	1.094	1.092
UL	1.108	1.108	1.108	1.108	1.108

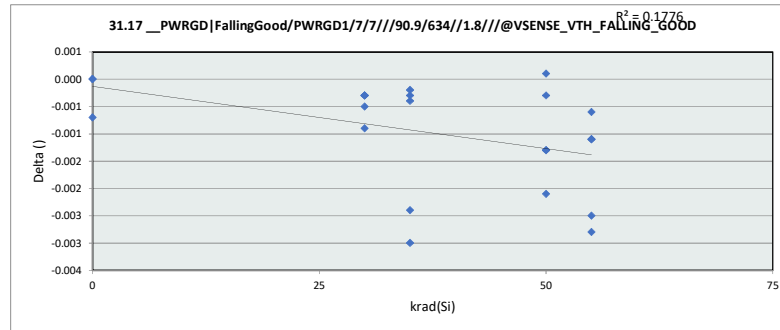


TID HDR Report

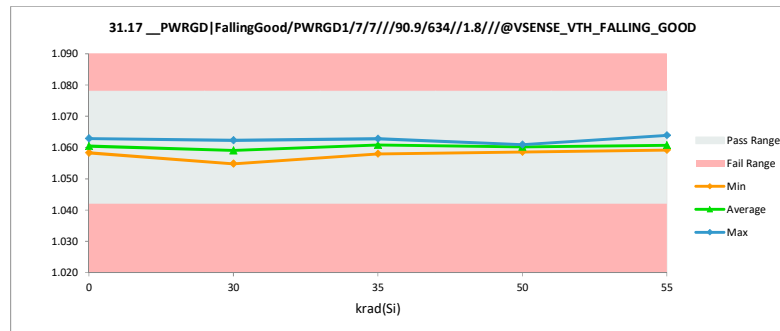
TPS7H4104-SEP

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

31.17 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.08	1.078		
Min Limit	1.04	1.042		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.058	1.058	-0.001
0	2	1.060	1.060	0.000
0	3	1.063	1.063	0.000
30	11	1.060	1.060	0.000
30	12	1.054	1.055	-0.001
30	13	1.058	1.058	0.000
30	14	1.062	1.062	0.000
30	15	1.059	1.060	-0.001
35	16	1.056	1.058	-0.002
35	17	1.058	1.061	-0.003
35	18	1.063	1.063	0.000
35	19	1.060	1.060	0.000
35	20	1.061	1.062	0.000
50	30	1.059	1.059	0.000
50	31	1.059	1.060	-0.001
50	32	1.059	1.061	-0.002
50	33	1.060	1.061	0.000
50	34	1.059	1.060	-0.001
55	40	1.057	1.059	-0.003
55	41	1.063	1.064	-0.001
55	42	1.060	1.061	-0.001
55	43	1.059	1.061	-0.001
55	44	1.057	1.059	-0.003
	Max	1.063	1.064	0.000
	Average	1.059	1.060	-0.001
	Min	1.054	1.055	-0.003
	Std Dev	0.002	0.002	0.001



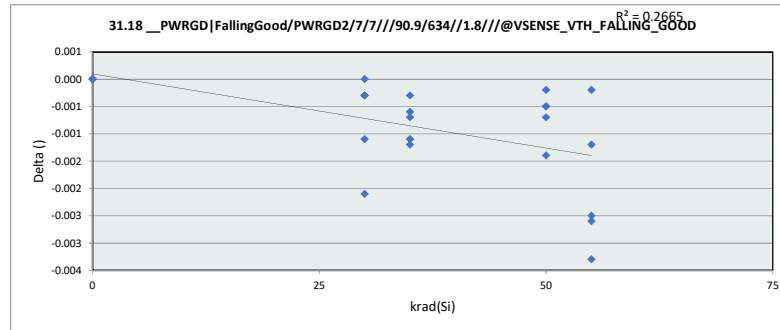
31.17 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit	1.078				
Min Limit	1.042				
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.058	1.055	1.058	1.059	1.059
Average	1.060	1.059	1.061	1.060	1.061
Max	1.063	1.062	1.063	1.061	1.064
UL	1.078	1.078	1.078	1.078	1.078



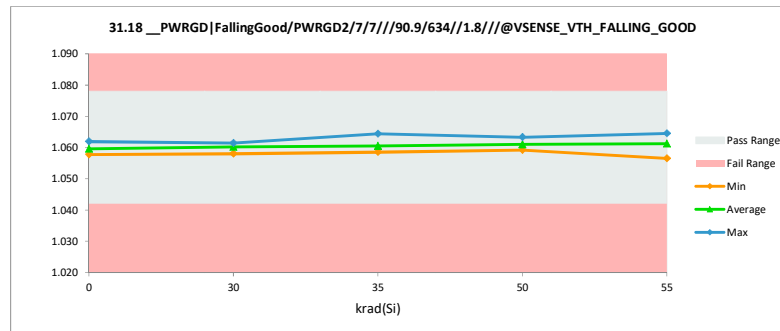
TID HDR Report TPS7H4104-SEP

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

31.18 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.08	1.078	
Min Limit		1.04	1.042	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.062	1.062	0.000
0	2	1.058	1.058	0.000
0	3	1.059	1.059	0.000
30	11	1.060	1.060	0.000
30	12	1.059	1.061	-0.002
30	13	1.059	1.060	-0.001
30	14	1.058	1.058	0.000
30	15	1.061	1.061	0.000
35	16	1.061	1.061	-0.001
35	17	1.058	1.059	-0.001
35	18	1.058	1.059	0.000
35	19	1.058	1.059	-0.001
35	20	1.063	1.064	-0.001
50	30	1.060	1.061	-0.001
50	31	1.058	1.059	-0.001
50	32	1.060	1.061	0.000
50	33	1.063	1.063	0.000
50	34	1.060	1.061	0.000
55	40	1.060	1.063	-0.003
55	41	1.055	1.056	-0.001
55	42	1.058	1.061	-0.002
55	43	1.064	1.064	0.000
55	44	1.058	1.061	-0.003
	Max	1.064	1.064	0.000
	Average	1.060	1.061	-0.001
	Min	1.055	1.056	-0.003
	Std Dev	0.002	0.002	0.001



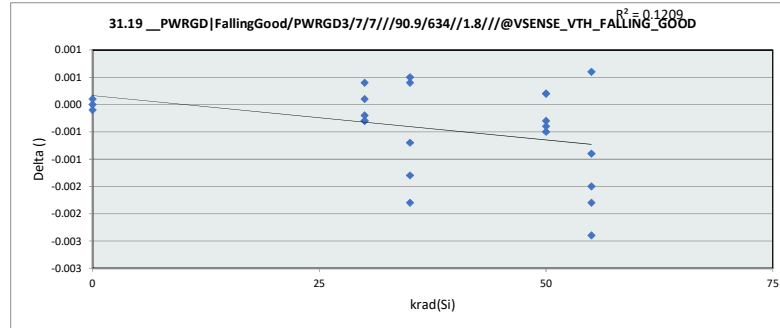
31.18 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit		1.078			
Min Limit		1.042			
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.058	1.058	1.059	1.059	1.057
Average	1.060	1.060	1.061	1.061	1.061
Max	1.062	1.061	1.064	1.063	1.065
UL	1.078	1.078	1.078	1.078	1.078



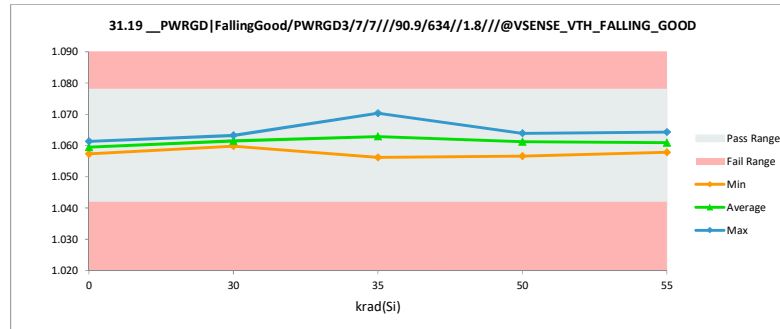
TID HDR Report TPS7H4104-SEP

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

31.19 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	1.08	1.078		
Min Limit	1.04	1.042		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.061	1.061	0.000
0	2	1.060	1.060	0.000
0	3	1.057	1.057	0.000
30	11	1.063	1.063	0.000
30	12	1.063	1.062	0.000
30	13	1.061	1.062	0.000
30	14	1.060	1.061	0.000
30	15	1.060	1.060	0.000
35	16	1.061	1.061	-0.001
35	17	1.065	1.066	-0.001
35	18	1.057	1.056	0.000
35	19	1.069	1.070	-0.002
35	20	1.061	1.060	0.000
50	30	1.064	1.064	0.000
50	31	1.062	1.063	0.000
50	32	1.061	1.062	0.000
50	33	1.061	1.061	0.000
50	34	1.057	1.057	0.000
55	40	1.063	1.064	-0.002
55	41	1.060	1.059	0.001
55	42	1.055	1.058	-0.002
55	43	1.059	1.060	-0.001
55	44	1.061	1.063	-0.002
Max		1.069	1.070	0.001
Average		1.061	1.061	0.000
Min		1.055	1.056	-0.002
Std Dev		0.003	0.003	0.001



31.19 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit	1.078				
Min Limit	1.042				
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.057	1.060	1.056	1.057	1.058
Average	1.059	1.061	1.063	1.061	1.061
Max	1.061	1.063	1.070	1.064	1.064
UL	1.078	1.078	1.078	1.078	1.078

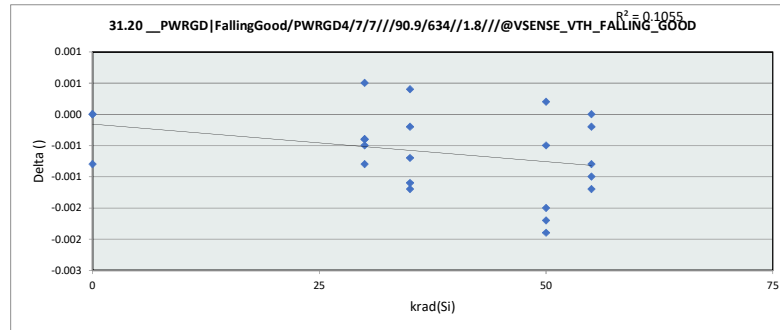


TID HDR Report

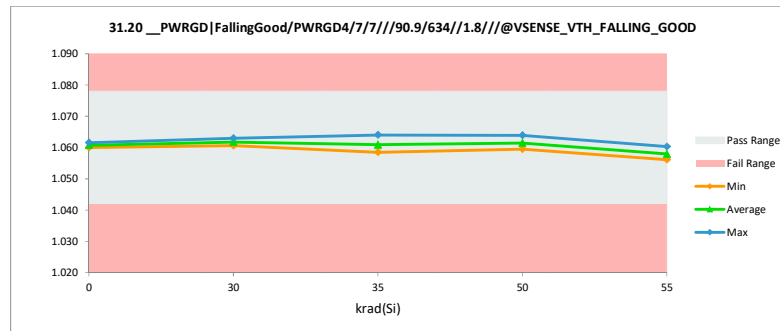
TPS7H4104-SEP

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

31.20 __PWRGD FallingGood/PV				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		1.08	1.078	
Min Limit		1.04	1.042	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.061	1.061	0.000
0	2	1.061	1.061	-0.001
0	3	1.060	1.060	0.000
30	11	1.060	1.061	0.000
30	12	1.062	1.062	0.000
30	13	1.061	1.061	0.000
30	14	1.063	1.063	0.001
30	15	1.061	1.062	-0.001
35	16	1.060	1.061	-0.001
35	17	1.060	1.059	0.000
35	18	1.064	1.064	0.000
35	19	1.061	1.062	-0.001
35	20	1.057	1.059	-0.001
50	30	1.060	1.062	-0.002
50	31	1.059	1.061	-0.002
50	32	1.060	1.059	0.000
50	33	1.062	1.064	-0.002
50	34	1.061	1.061	0.000
55	40	1.060	1.060	0.000
55	41	1.057	1.058	-0.001
55	42	1.055	1.056	-0.001
55	43	1.056	1.057	-0.001
55	44	1.059	1.059	0.000
	Max	1.064	1.064	0.001
	Average	1.060	1.061	-0.001
	Min	1.055	1.056	-0.002
	Std Dev	0.002	0.002	0.001



31.20 __PWRGD FallingGood/					
Test Site					
Tester					
Test Number					
Max Limit		1.078			
Min Limit		1.042			
krad(Si)	0	30	35	50	55
LL	1.042	1.042	1.042	1.042	1.042
Min	1.060	1.061	1.059	1.060	1.056
Average	1.061	1.062	1.061	1.061	1.058
Max	1.062	1.063	1.064	1.064	1.060
UL	1.078	1.078	1.078	1.078	1.078

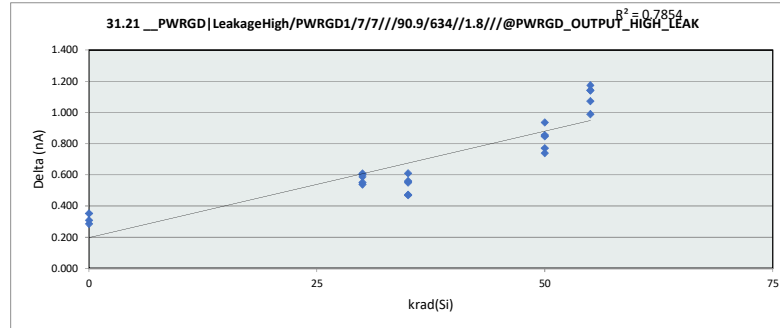


TID HDR Report

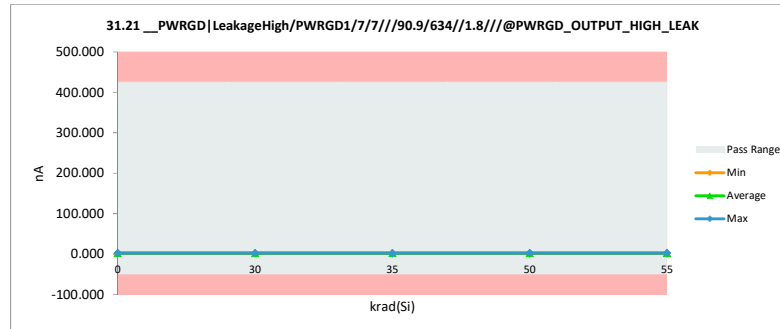
TPS7H4104-SEP

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

31.21 __PWRGD LeakageHigh/P				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	425		
Min Limit	-50	-50		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.769	2.461	0.308
0	2	2.768	2.416	0.352
0	3	2.684	2.398	0.285
30	11	3.051	2.452	0.599
30	12	3.022	2.484	0.538
30	13	3.049	2.442	0.607
30	14	2.986	2.399	0.586
30	15	2.953	2.403	0.550
35	16	3.046	2.487	0.559
35	17	2.957	2.488	0.470
35	18	2.996	2.525	0.471
35	19	3.125	2.516	0.609
35	20	3.084	2.534	0.549
50	30	3.391	2.538	0.853
50	31	3.428	2.582	0.845
50	32	3.255	2.486	0.770
50	33	3.470	2.535	0.935
50	34	3.217	2.479	0.739
55	40	3.754	2.612	1.141
55	41	3.589	2.602	0.988
55	42	3.516	2.444	1.072
55	43	3.692	2.552	1.141
55	44	3.795	2.622	1.173
Max		3.795	2.622	1.173
Average		3.200	2.498	0.702
Min		2.684	2.398	0.285
Std Dev		0.322	0.068	0.272



31.21 __PWRGD LeakageHigh					
Test Site					
Tester					
Test Number					
Max Limit	425	nA			
Min Limit	-50	nA			
krad(Si)	0	30	35	50	55
LL	-50.000	-50.000	-50.000	-50.000	-50.000
Min	2.398	2.399	2.487	2.479	2.444
Average	2.425	2.436	2.510	2.524	2.566
Max	2.461	2.484	2.534	2.582	2.622
UL	425.000	425.000	425.000	425.000	425.000

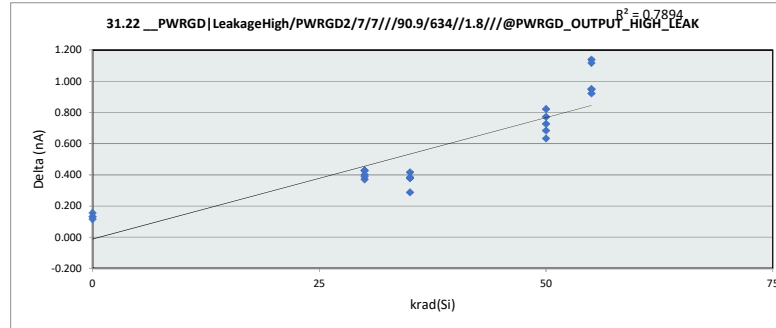


TID HDR Report

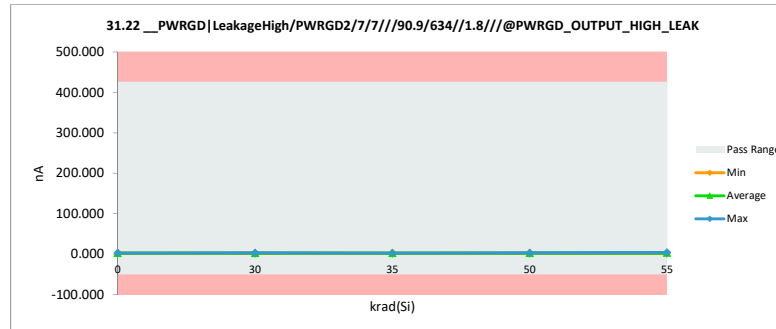
TPS7H4104-SEP

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

31.22 __PWRGD LeakageHigh/P				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	425		
Min Limit	-50	-50		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.816	2.686	0.130
0	2	2.764	2.609	0.155
0	3	2.794	2.679	0.116
30	11	3.266	2.867	0.400
30	12	3.085	2.696	0.389
30	13	3.139	2.712	0.427
30	14	3.063	2.693	0.370
30	15	3.022	2.596	0.426
35	16	3.178	2.801	0.376
35	17	3.008	2.721	0.287
35	18	3.112	2.731	0.381
35	19	3.232	2.817	0.415
35	20	3.139	2.757	0.382
50	30	3.830	3.148	0.682
50	31	3.527	2.707	0.820
50	32	3.414	2.689	0.726
50	33	3.503	2.733	0.770
50	34	3.384	2.752	0.632
55	40	3.714	2.767	0.947
55	41	3.659	2.711	0.949
55	42	3.575	2.655	0.920
55	43	3.878	2.741	1.137
55	44	4.919	3.803	1.115
Max		4.919	3.803	1.137
Average		3.349	2.786	0.563
Min		2.764	2.596	0.116
Std Dev		0.468	0.247	0.309



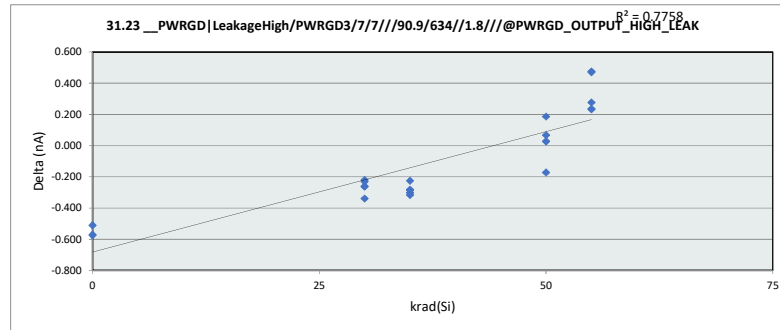
31.22 __PWRGD LeakageHigh					
Test Site					
Tester					
Test Number					
Max Limit	425	nA			
Min Limit	-50	nA			
krad(Si)	0	30	35	50	55
LL	-50.000	-50.000	-50.000	-50.000	-50.000
Min	2.609	2.596	2.721	2.689	2.655
Average	2.658	2.713	2.765	2.806	2.935
Max	2.686	2.867	2.817	3.148	3.803
UL	425.000	425.000	425.000	425.000	425.000



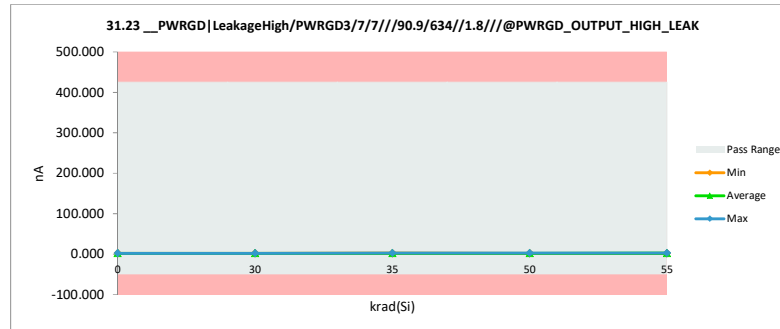
TID HDR Report
TPS7H4104-SEP

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

31.23 __PWRGD LeakageHigh/P				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	425		
Min Limit	-50	-50		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.435	2.011	-0.576
0	2	1.496	2.008	-0.512
0	3	1.456	2.029	-0.573
30	11	1.738	2.079	-0.340
30	12	1.783	2.046	-0.264
30	13	1.882	2.103	-0.221
30	14	1.933	2.164	-0.232
30	15	1.679	1.941	-0.262
35	16	1.783	2.102	-0.318
35	17	1.875	2.178	-0.303
35	18	1.813	2.096	-0.283
35	19	1.964	2.190	-0.226
35	20	2.009	2.297	-0.288
50	30	2.215	2.188	0.026
50	31	2.244	2.059	0.185
50	32	2.115	2.090	0.026
50	33	2.231	2.166	0.066
50	34	2.056	2.230	-0.174
55	40	2.423	2.190	0.234
55	41	2.553	2.321	0.233
55	42	2.369	2.093	0.275
55	43	2.686	2.213	0.474
55	44	2.628	2.159	0.469
Max		2.686	2.321	0.474
Average		2.016	2.128	-0.112
Min		1.435	1.941	-0.576
Std Dev		0.361	0.093	0.309



31.23 __PWRGD LeakageHigh/					
Test Site					
Tester					
Test Number					
Max Limit	425	nA			
Min Limit	-50	nA			
krad(Si)	0	30	35	50	55
LL	-50.000	-50.000	-50.000	-50.000	-50.000
Min	2.008	1.941	2.097	2.059	2.093
Average	2.016	2.067	2.173	2.147	2.195
Max	2.029	2.165	2.297	2.230	2.321
UL	425.000	425.000	425.000	425.000	425.000

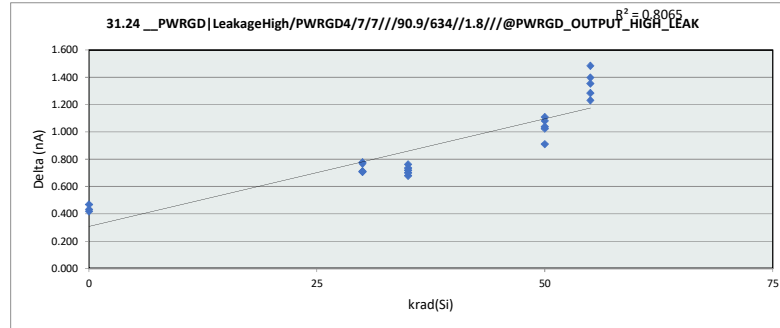


TID HDR Report

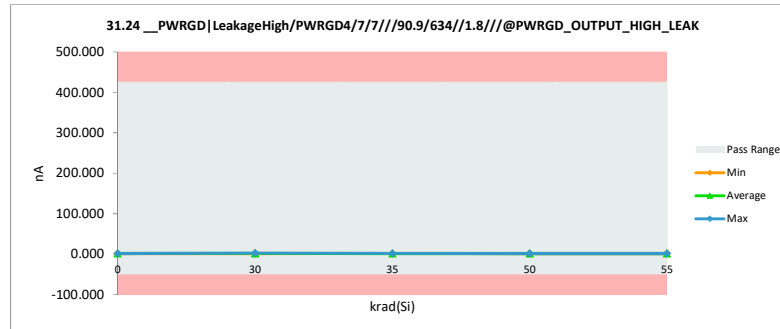
TPS7H4104-SEP

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

31.24 __PWRGD LeakageHigh/P				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	425		
Min Limit	-50	-50		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.914	1.482	0.432
0	2	1.875	1.408	0.467
0	3	1.808	1.390	0.417
30	11	2.159	1.449	0.711
30	12	2.117	1.411	0.706
30	13	2.283	1.516	0.766
30	14	2.206	1.429	0.778
30	15	3.166	2.458	0.707
35	16	2.145	1.466	0.678
35	17	2.135	1.436	0.700
35	18	2.195	1.477	0.718
35	19	2.240	1.479	0.761
35	20	2.181	1.446	0.735
50	30	2.536	1.499	1.037
50	31	2.502	1.394	1.108
50	32	2.532	1.509	1.024
50	33	2.646	1.567	1.080
50	34	2.333	1.424	0.909
55	40	2.789	1.504	1.284
55	41	2.752	1.521	1.231
55	42	2.756	1.403	1.353
55	43	3.018	1.622	1.397
55	44	2.994	1.510	1.484
Max		3.166	2.458	1.484
Average		2.404	1.513	0.891
Min		1.808	1.390	0.417
Std Dev		0.378	0.214	0.310



31.24 __PWRGD LeakageHigh					
Test Site					
Tester					
Test Number					
Max Limit	425	nA			
Min Limit	-50	nA			
krad(Si)	0	30	35	50	55
LL	-50.000	-50.000	-50.000	-50.000	-50.000
Min	1.390	1.411	1.436	1.394	1.403
Average	1.427	1.653	1.461	1.479	1.512
Max	1.483	2.458	1.479	1.567	1.622
UL	425.000	425.000	425.000	425.000	425.000

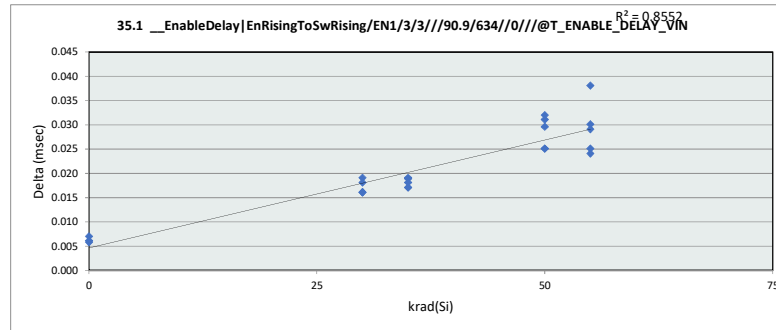


TID HDR Report

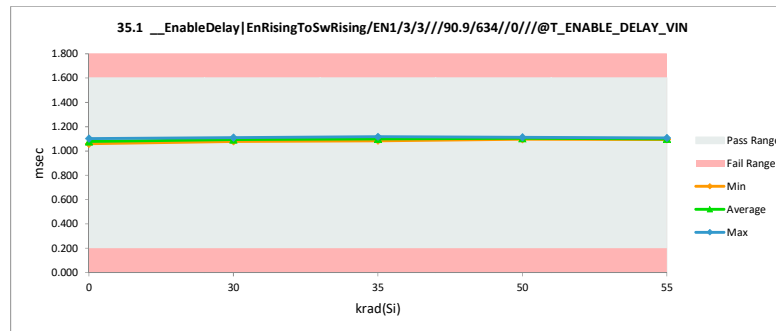
TPS7H4104-SEP

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

35.1 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.2	0.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.067	1.060	0.007
0	2	1.109	1.103	0.006
0	3	1.082	1.076	0.006
30	11	1.112	1.096	0.016
30	12	1.119	1.103	0.016
30	13	1.129	1.110	0.019
30	14	1.107	1.091	0.016
30	15	1.098	1.080	0.018
35	16	1.119	1.100	0.019
35	17	1.123	1.104	0.019
35	18	1.102	1.085	0.017
35	19	1.115	1.098	0.017
35	20	1.136	1.118	0.018
50	30	1.138	1.113	0.025
50	31	1.131	1.106	0.025
50	32	1.137	1.106	0.031
50	33	1.129	1.097	0.032
50	34	1.128	1.099	0.030
55	40	1.124	1.100	0.024
55	41	1.124	1.095	0.029
55	42	1.145	1.107	0.038
55	43	1.130	1.100	0.030
55	44	1.129	1.104	0.025
Max		1.145	1.118	0.038
Average		1.119	1.098	0.021
Min		1.067	1.060	0.006
Std Dev		0.018	0.013	0.008



35.1 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.2	msec			
krad(Si)	0	30	35	50	55
LL	0.200	0.200	0.200	0.200	0.200
Min	1.060	1.080	1.085	1.097	1.095
Average	1.079	1.096	1.101	1.104	1.101
Max	1.103	1.110	1.118	1.113	1.107
UL	1.600	1.600	1.600	1.600	1.600

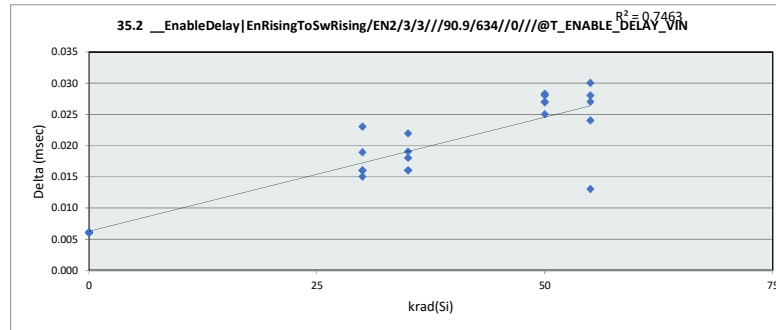


TID HDR Report

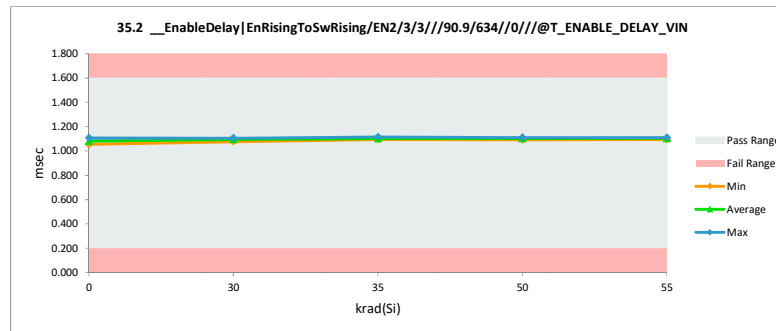
TPS7H4104-SEP

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

35.2 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.2	0.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.060	1.054	0.006
0	2	1.113	1.107	0.006
0	3	1.089	1.083	0.006
30	11	1.115	1.096	0.019
30	12	1.114	1.098	0.016
30	13	1.129	1.106	0.023
30	14	1.114	1.098	0.016
30	15	1.093	1.078	0.015
35	16	1.112	1.096	0.016
35	17	1.124	1.105	0.019
35	18	1.109	1.093	0.016
35	19	1.121	1.099	0.022
35	20	1.133	1.115	0.018
50	30	1.139	1.111	0.028
50	31	1.134	1.107	0.027
50	32	1.130	1.105	0.025
50	33	1.120	1.092	0.028
50	34	1.125	1.098	0.027
55	40	1.122	1.095	0.027
55	41	1.135	1.111	0.024
55	42	1.134	1.106	0.028
55	43	1.123	1.110	0.013
55	44	1.130	1.100	0.030
Max		1.139	1.115	0.030
Average		1.118	1.098	0.020
Min		1.060	1.054	0.006
Std Dev		0.018	0.013	0.007



35.2 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.2	msec			
krad(Si)	0	30	35	50	55
LL	0.200	0.200	0.200	0.200	0.200
Min	1.054	1.078	1.093	1.092	1.095
Average	1.081	1.095	1.101	1.102	1.104
Max	1.107	1.106	1.115	1.111	1.111
UL	1.600	1.600	1.600	1.600	1.600

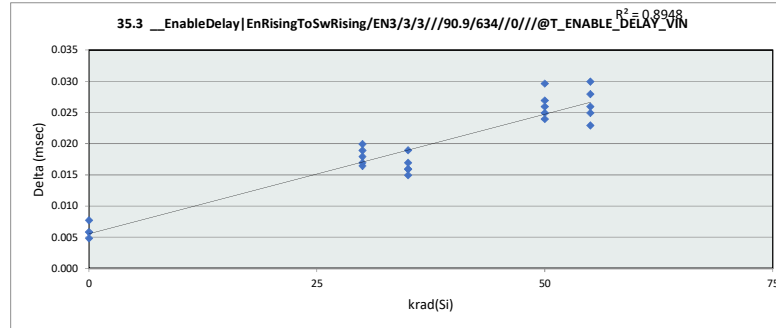


TID HDR Report

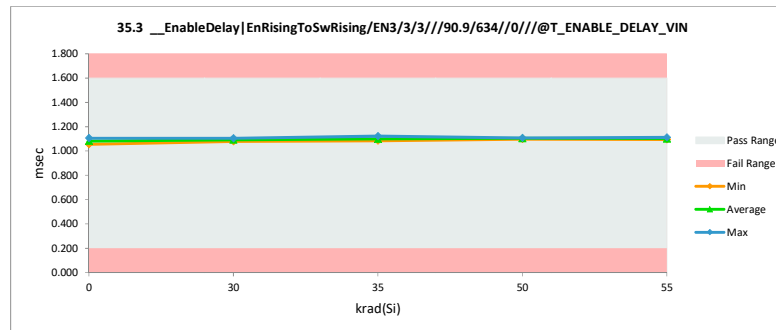
TPS7H4104-SEP

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

35.3 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.2	0.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.061	1.055	0.006
0	2	1.111	1.106	0.005
0	3	1.093	1.085	0.008
30	11	1.110	1.093	0.017
30	12	1.110	1.094	0.016
30	13	1.125	1.105	0.020
30	14	1.112	1.093	0.019
30	15	1.097	1.079	0.018
35	16	1.113	1.097	0.016
35	17	1.115	1.098	0.017
35	18	1.110	1.095	0.015
35	19	1.103	1.084	0.019
35	20	1.138	1.122	0.016
50	30	1.132	1.108	0.024
50	31	1.129	1.103	0.026
50	32	1.131	1.106	0.025
50	33	1.128	1.098	0.030
50	34	1.133	1.106	0.027
55	40	1.117	1.094	0.023
55	41	1.128	1.103	0.025
55	42	1.139	1.111	0.028
55	43	1.132	1.102	0.030
55	44	1.125	1.099	0.026
Max		1.139	1.122	0.030
Average		1.117	1.097	0.020
Min		1.061	1.055	0.005
Std Dev		0.018	0.013	0.007



35.3 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.2	msec			
krad(Si)	0	30	35	50	55
LL	0.200	0.200	0.200	0.200	0.200
Min	1.055	1.079	1.084	1.098	1.094
Average	1.082	1.093	1.099	1.104	1.102
Max	1.106	1.105	1.122	1.108	1.111
UL	1.600	1.600	1.600	1.600	1.600

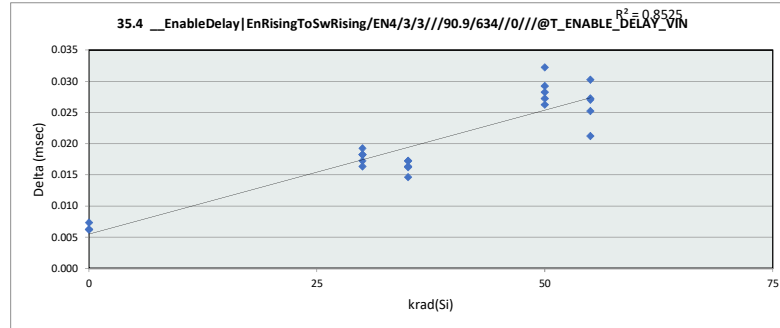


TID HDR Report

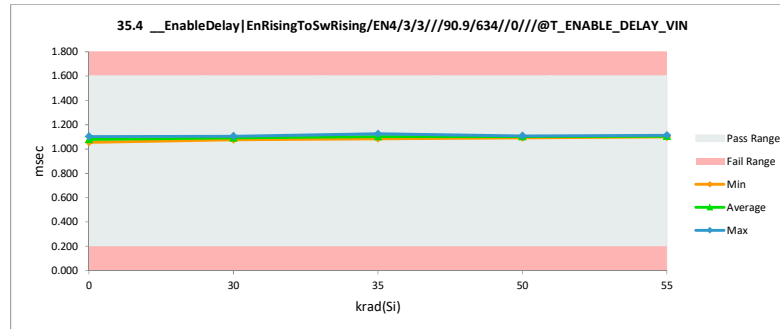
TPS7H4104-SEP

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

35.4 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.2	0.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.063	1.056	0.007
0	2	1.108	1.102	0.006
0	3	1.087	1.081	0.006
30	11	1.113	1.095	0.018
30	12	1.110	1.093	0.017
30	13	1.125	1.106	0.019
30	14	1.106	1.090	0.016
30	15	1.094	1.076	0.018
35	16	1.112	1.096	0.016
35	17	1.122	1.105	0.017
35	18	1.100	1.086	0.015
35	19	1.116	1.099	0.017
35	20	1.141	1.125	0.016
50	30	1.137	1.109	0.028
50	31	1.132	1.105	0.027
50	32	1.133	1.107	0.026
50	33	1.125	1.093	0.032
50	34	1.127	1.098	0.029
55	40	1.120	1.099	0.021
55	41	1.133	1.106	0.027
55	42	1.139	1.112	0.027
55	43	1.135	1.105	0.030
55	44	1.128	1.103	0.025
Max		1.141	1.125	0.032
Average		1.118	1.097	0.020
Min		1.063	1.056	0.006
Std Dev		0.019	0.014	0.008



35.4 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.2	msec			
krad(Si)	0	30	35	50	55
LL	0.200	0.200	0.200	0.200	0.200
Min	1.056	1.076	1.086	1.093	1.099
Average	1.079	1.092	1.102	1.102	1.105
Max	1.102	1.106	1.125	1.109	1.112
UL	1.600	1.600	1.600	1.600	1.600

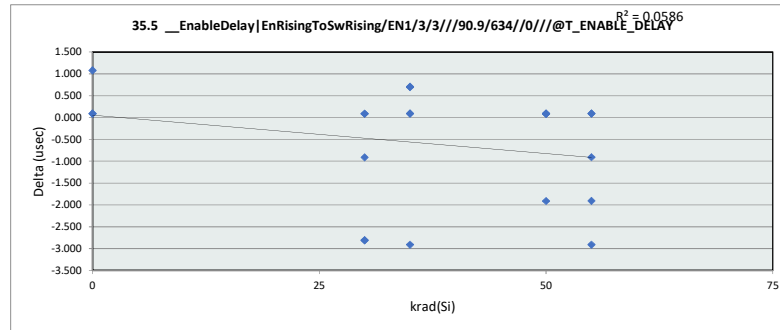


TID HDR Report

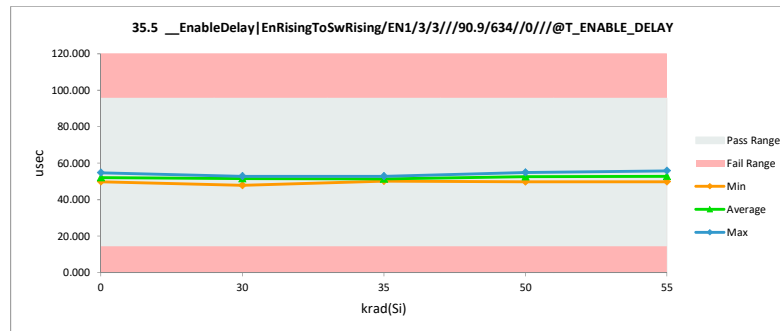
TPS7H4104-SEP

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

35.5 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	14.5	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	49.862	49.779	0.083
0	2	51.866	51.783	0.084
0	3	55.854	54.782	1.072
30	11	51.866	52.785	-0.918
30	12	49.964	52.784	-2.820
30	13	47.869	47.788	0.082
30	14	49.868	52.678	-2.810
30	15	51.866	51.784	0.081
35	16	52.872	52.786	0.085
35	17	50.869	50.178	0.691
35	18	49.869	52.785	-2.916
35	19	50.872	50.788	0.085
35	20	50.873	50.173	0.700
50	30	51.870	51.788	0.082
50	31	51.871	53.788	-1.917
50	32	52.869	52.788	0.081
50	33	54.870	54.789	0.081
50	34	49.868	49.784	0.084
55	40	50.871	50.786	0.086
55	41	52.872	53.785	-0.913
55	42	47.870	49.785	-1.915
55	43	50.869	53.787	-2.918
55	44	55.871	55.787	0.083
Max		55.871	55.787	1.072
Average		51.481	52.076	-0.594
Min		47.869	47.788	-2.918
Std Dev		2.101	1.967	1.279



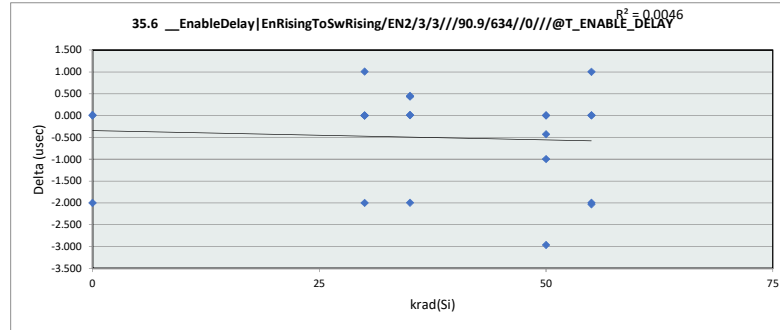
35.5 __EnableDelay EnRisingTo					
Test Site					
Tester					
Test Number					
Max Limit	95.5	usec			
Min Limit	14.5	usec			
krad(Si)	0	30	35	50	55
LL	14.500	14.500	14.500	14.500	14.500
Min	49.779	47.788	50.173	49.784	49.785
Average	52.115	51.564	51.342	52.588	52.786
Max	54.782	52.785	52.786	54.789	55.787
UL	95.500	95.500	95.500	95.500	95.500



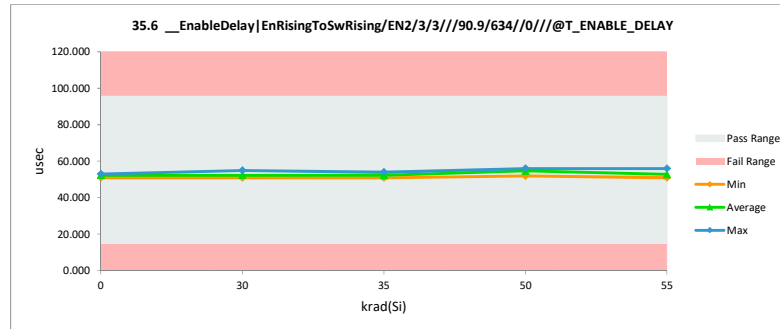
TID HDR Report TPS7H4104-SEP

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

35.6 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	14.5	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	50.909	50.910	-0.001
0	2	52.913	52.908	0.006
0	3	50.914	52.916	-2.002
30	11	51.914	50.912	1.001
30	12	50.911	50.912	-0.001
30	13	50.915	50.919	-0.005
30	14	53.910	53.916	-0.005
30	15	52.909	54.912	-2.003
35	16	50.915	50.908	0.007
35	17	48.913	50.911	-1.997
35	18	53.914	53.482	0.432
35	19	51.916	51.907	0.008
35	20	54.358	53.911	0.448
50	30	55.913	55.915	-0.002
50	31	51.915	51.916	-0.001
50	32	52.948	55.914	-2.966
50	33	55.463	55.895	-0.432
50	34	52.912	53.911	-0.999
55	40	51.914	50.917	0.997
55	41	51.917	51.913	0.004
55	42	48.912	50.912	-2.000
55	43	53.911	53.910	0.001
55	44	53.914	55.951	-2.037
Max		55.913	55.951	1.001
Average		52.393	52.895	-0.502
Min		48.912	50.908	-2.966
Std Dev		1.813	1.901	1.102



35.6 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	95.5	usec			
Min Limit	14.5	usec			
krad(Si)	0	30	35	50	55
LL	14.500	14.500	14.500	14.500	14.500
Min	50.910	50.912	50.908	51.916	50.912
Average	52.245	52.314	52.224	54.710	52.721
Max	52.916	54.912	53.911	55.915	55.952
UL	95.500	95.500	95.500	95.500	95.500

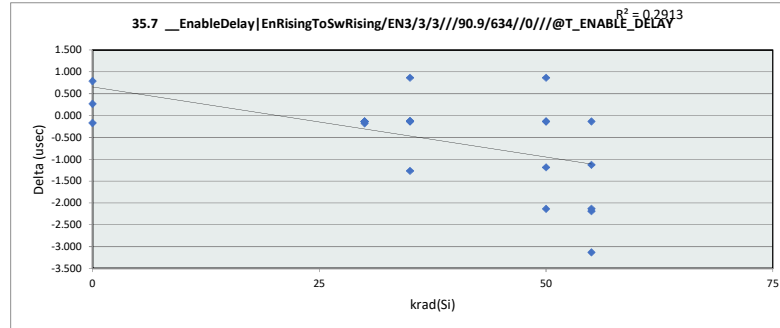


TID HDR Report

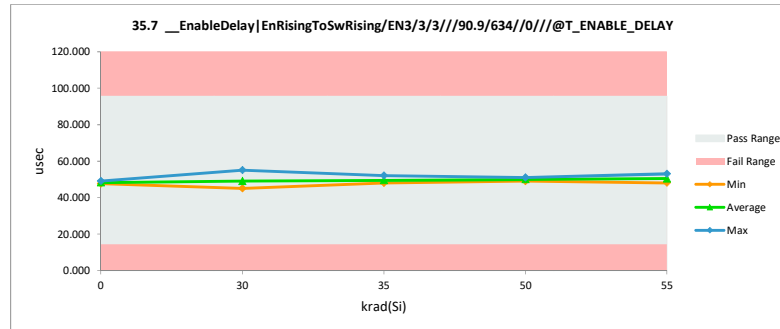
TPS7H4104-SEP

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

35.7 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	14.5	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	47.888	48.063	-0.175
0	2	47.869	47.604	0.265
0	3	49.869	49.084	0.785
30	11	47.870	48.014	-0.143
30	12	47.870	48.054	-0.184
30	13	44.876	45.017	-0.141
30	14	54.874	55.013	-0.139
30	15	48.871	49.011	-0.140
35	16	49.875	50.009	-0.134
35	17	47.874	48.012	-0.138
35	18	47.739	49.012	-1.272
35	19	47.876	48.007	-0.132
35	20	52.872	52.011	0.862
50	30	51.874	51.014	0.859
50	31	50.873	51.011	-0.138
50	32	48.876	49.014	-0.138
50	33	46.874	49.015	-2.141
50	34	48.875	50.065	-1.190
55	40	47.876	50.015	-2.139
55	41	49.877	51.011	-1.133
55	42	45.873	48.068	-2.195
55	43	49.874	53.009	-3.135
55	44	49.873	50.012	-0.138
Max		54.874	55.013	0.862
Average		48.999	49.528	-0.529
Min		44.876	45.017	-3.135
Std Dev		2.204	2.074	1.047



35.7 __EnableDelay EnRisingTo					
Test Site					
Tester					
Test Number					
Max Limit		95.5	usec		
Min Limit		14.5	usec		
krad(Si)	0	30	35	50	55
LL	14.500	14.500	14.500	14.500	14.500
Min	47.604	45.017	48.008	49.014	48.068
Average	48.250	49.022	49.410	50.024	50.423
Max	49.084	55.013	52.011	51.014	53.009
UL	95.500	95.500	95.500	95.500	95.500

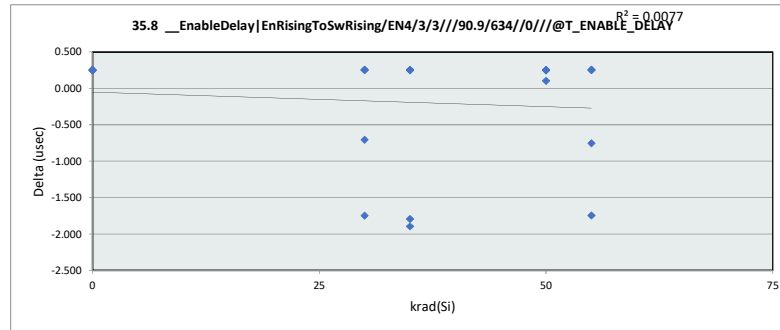


TID HDR Report

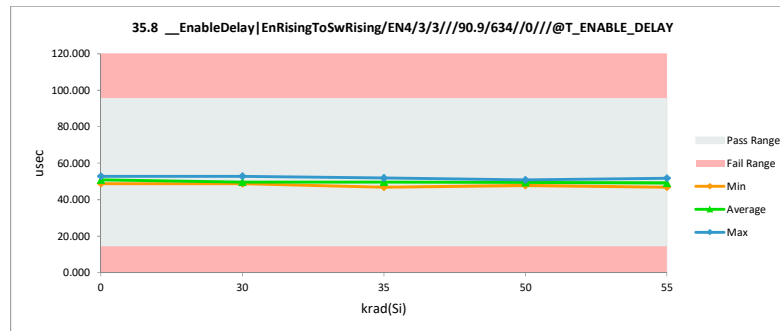
TPS7H4104-SEP

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

35.8 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	14.5	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	49.023	48.768	0.255
0	2	53.021	52.774	0.247
0	3	51.022	50.776	0.246
30	11	48.069	48.775	-0.706
30	12	49.022	48.771	0.251
30	13	49.027	48.775	0.252
30	14	49.025	48.771	0.254
30	15	51.024	52.772	-1.748
35	16	49.025	48.772	0.253
35	17	49.916	51.812	-1.895
35	18	49.023	48.774	0.249
35	19	47.025	46.773	0.252
35	20	50.023	51.818	-1.795
50	30	51.023	50.776	0.248
50	31	47.885	47.782	0.103
50	32	49.026	48.776	0.250
50	33	51.024	50.774	0.250
50	34	49.025	48.773	0.252
55	40	47.026	48.774	-1.747
55	41	47.026	46.770	0.256
55	42	49.025	48.775	0.250
55	43	49.026	49.780	-0.754
55	44	52.023	51.772	0.251
Max		53.021	52.774	0.256
Average		49.407	49.603	-0.197
Min		47.025	46.770	-1.895
Std Dev		1.561	1.728	0.801



35.8 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	95.5	usec			
Min Limit	14.5	usec			
krad(Si)	0	30	35	50	55
LL	14.500	14.500	14.500	14.500	14.500
Min	48.768	48.771	46.773	47.782	46.770
Average	50.773	49.572	49.590	49.376	49.174
Max	52.774	52.772	51.818	50.776	51.772
UL	95.500	95.500	95.500	95.500	95.500

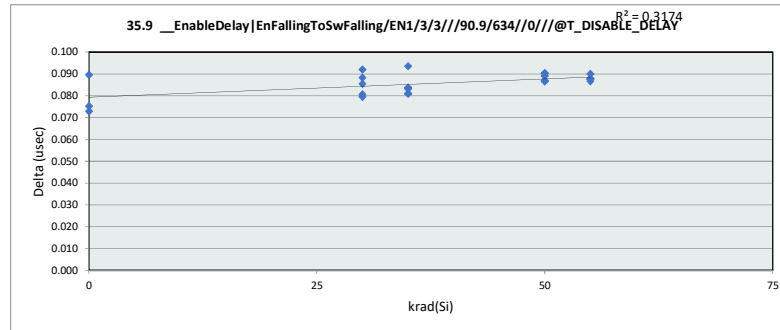


TID HDR Report

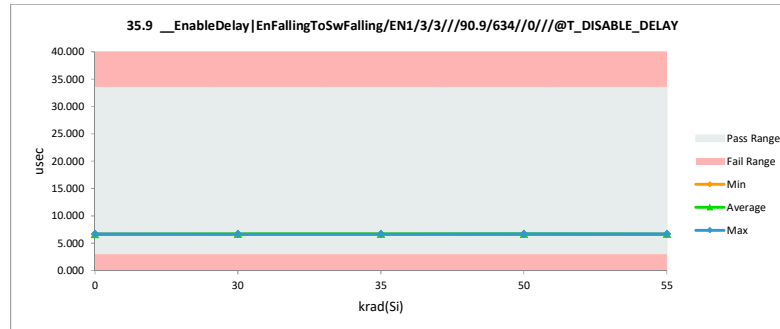
TPS7H4104-SEP

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

35.9 __EnableDelay EnFallingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33.5	
Min Limit		3	3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.738	6.662	0.075
0	2	6.738	6.648	0.089
0	3	6.740	6.668	0.073
30	11	6.746	6.666	0.081
30	12	6.749	6.657	0.092
30	13	6.747	6.667	0.079
30	14	6.750	6.665	0.085
30	15	6.752	6.664	0.088
35	16	6.749	6.656	0.093
35	17	6.752	6.668	0.084
35	18	6.751	6.670	0.081
35	19	6.748	6.667	0.081
35	20	6.749	6.666	0.083
50	30	6.757	6.668	0.089
50	31	6.751	6.661	0.090
50	32	6.754	6.668	0.087
50	33	6.755	6.669	0.086
50	34	6.759	6.668	0.090
55	40	6.754	6.666	0.088
55	41	6.756	6.667	0.090
55	42	6.755	6.669	0.087
55	43	6.755	6.667	0.088
55	44	6.756	6.668	0.088
Max		6.759	6.670	0.093
Average		6.751	6.665	0.086
Min		6.738	6.648	0.073
Std Dev		0.006	0.005	0.005



35.9 __EnableDelay EnFalling					
Test Site					
Tester					
Test Number					
Max Limit	33.5	usec			
Min Limit	3	usec			
krad(Si)	0	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000
Min	6.649	6.657	6.656	6.661	6.666
Average	6.659	6.664	6.665	6.667	6.667
Max	6.668	6.667	6.670	6.669	6.669
UL	33.500	33.500	33.500	33.500	33.500

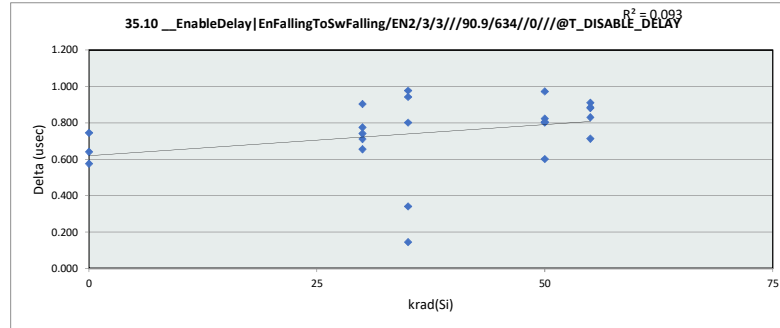


TID HDR Report

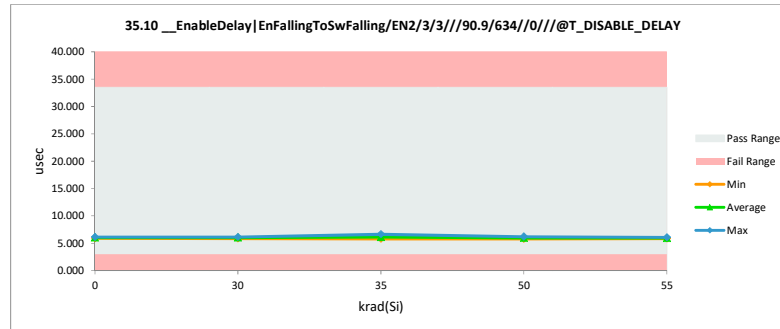
TPS7H4104-SEP

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

35.10 __EnableDelay EnFallingT				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33.5	
Min Limit		3	3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.640	5.897	0.744
0	2	6.615	6.041	0.574
0	3	6.748	6.109	0.639
30	11	6.766	6.056	0.709
30	12	6.767	5.864	0.903
30	13	6.766	6.027	0.739
30	14	6.770	6.116	0.654
30	15	6.770	5.997	0.773
35	16	6.768	5.968	0.800
35	17	6.767	6.428	0.339
35	18	6.769	5.793	0.976
35	19	6.766	5.826	0.941
35	20	6.767	6.623	0.143
50	30	6.770	5.799	0.971
50	31	6.768	5.964	0.804
50	32	6.772	6.172	0.600
50	33	6.770	5.970	0.800
50	34	6.771	5.949	0.822
55	40	6.768	5.888	0.880
55	41	6.771	5.942	0.829
55	42	6.770	5.887	0.884
55	43	6.771	6.059	0.712
55	44	6.771	5.861	0.909
Max		6.772	6.623	0.976
Average		6.756	6.010	0.745
Min		6.615	5.793	0.143
Std Dev		0.041	0.194	0.197



35.10 __EnableDelay EnFallingT					
Test Site					
Tester					
Test Number					
Max Limit	33.5	usec			
Min Limit	3	usec			
krad(Si)	0	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000
Min	5.897	5.864	5.793	5.799	5.861
Average	6.015	6.012	6.128	5.971	5.927
Max	6.109	6.116	6.624	6.172	6.059
UL	33.500	33.500	33.500	33.500	33.500

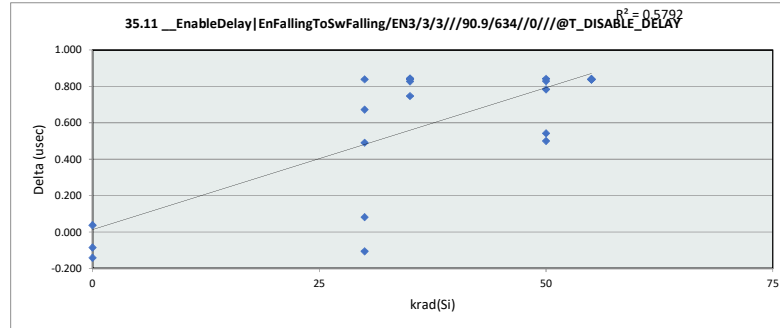


TID HDR Report

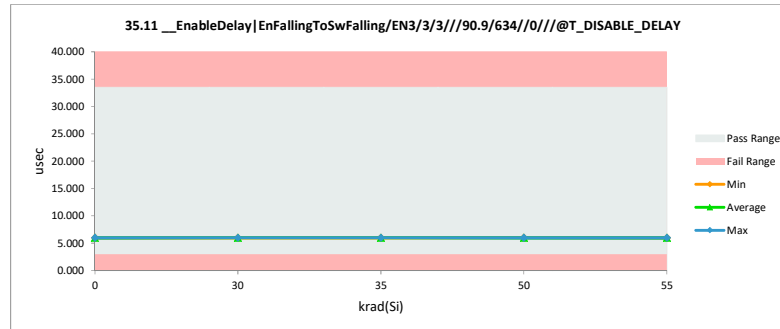
TPS7H4104-SEP

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

35.11 __EnableDelay EnFallingT				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33.5	
Min Limit		3	3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.902	5.988	-0.086
0	2	6.019	5.983	0.036
0	3	5.845	5.988	-0.143
30	11	6.475	5.984	0.491
30	12	6.824	5.986	0.838
30	13	6.660	5.989	0.672
30	14	6.070	5.988	0.082
30	15	5.879	5.985	-0.106
35	16	6.823	5.981	0.842
35	17	6.732	5.986	0.747
35	18	6.825	5.986	0.839
35	19	6.821	5.977	0.843
35	20	6.810	5.983	0.827
50	30	6.825	5.985	0.841
50	31	6.768	5.985	0.783
50	32	6.487	5.987	0.499
50	33	6.528	5.987	0.542
50	34	6.816	5.988	0.828
55	40	6.822	5.986	0.837
55	41	6.825	5.986	0.839
55	42	6.826	5.988	0.838
55	43	6.825	5.985	0.841
55	44	6.825	5.985	0.839
Max		6.826	5.989	0.843
Average		6.575	5.985	0.590
Min		5.845	5.977	-0.143
Std Dev		0.360	0.003	0.361



35.11 __EnableDelay EnFallingT					
Test Site					
Tester					
Test Number					
Max Limit		33.5	usec		
Min Limit		3	usec		
krad(Si)	0	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000
Min	5.983	5.984	5.977	5.985	5.985
Average	5.986	5.986	5.983	5.986	5.986
Max	5.988	5.989	5.986	5.988	5.988
UL	33.500	33.500	33.500	33.500	33.500

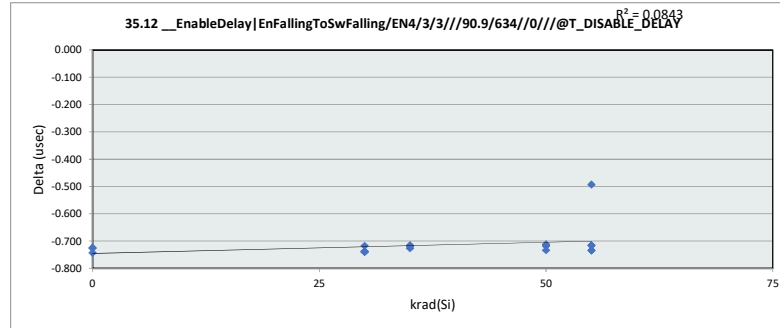


TID HDR Report

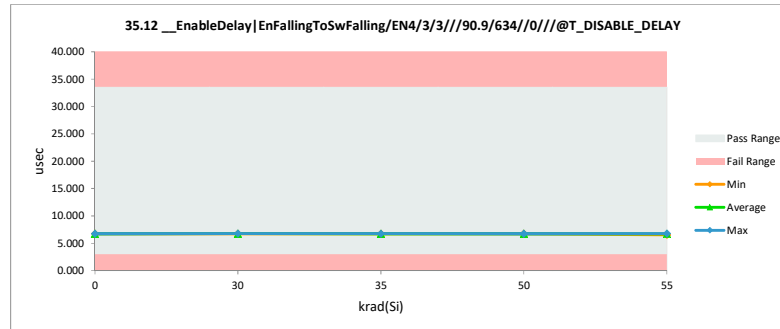
TPS7H4104-SEP

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

35.12 __EnableDelay EnFallingT				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33.5	
Min Limit		3	3	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.009	6.735	-0.725
0	2	6.009	6.752	-0.743
0	3	6.014	6.739	-0.725
30	11	6.016	6.754	-0.739
30	12	6.023	6.740	-0.717
30	13	6.017	6.756	-0.739
30	14	6.016	6.755	-0.739
30	15	6.018	6.755	-0.737
35	16	6.018	6.735	-0.717
35	17	6.020	6.736	-0.716
35	18	6.020	6.746	-0.726
35	19	6.019	6.737	-0.719
35	20	6.019	6.739	-0.719
50	30	6.023	6.737	-0.714
50	31	6.021	6.754	-0.734
50	32	6.021	6.738	-0.717
50	33	6.020	6.737	-0.718
50	34	6.025	6.737	-0.712
55	40	6.022	6.756	-0.734
55	41	6.023	6.516	-0.493
55	42	6.024	6.739	-0.715
55	43	6.021	6.755	-0.734
55	44	6.024	6.740	-0.716
Max		6.025	6.756	-0.493
Average		6.019	6.734	-0.715
Min		6.009	6.516	-0.743
Std Dev		0.004	0.048	0.049



35.12 __EnableDelay EnFallingT					
Test Site					
Tester					
Test Number					
Max Limit	33.5	usec			
Min Limit	3	usec			
krad(Si)	0	30	35	50	55
LL	3.000	3.000	3.000	3.000	3.000
Min	6.735	6.740	6.735	6.737	6.516
Average	6.742	6.752	6.739	6.741	6.701
Max	6.752	6.756	6.746	6.754	6.756
UL	33.500	33.500	33.500	33.500	33.500

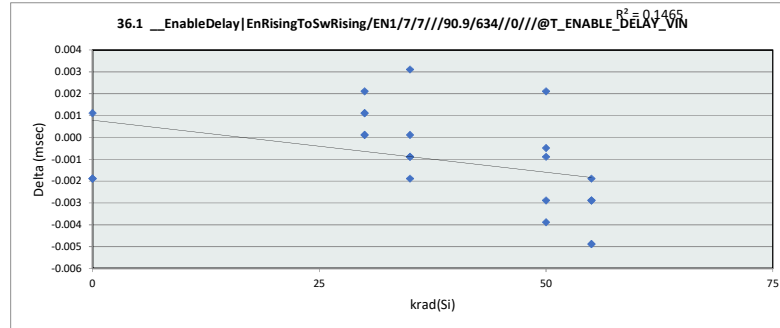


TID HDR Report

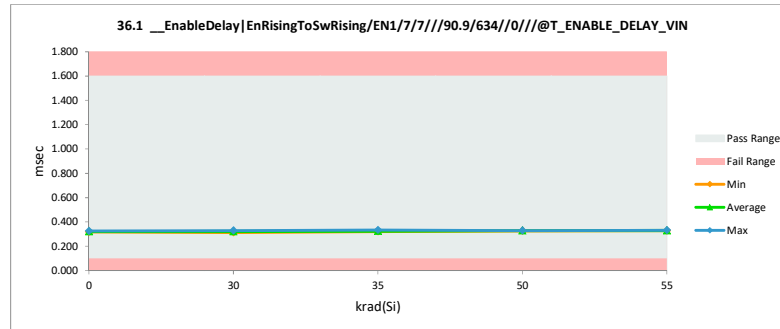
TPS7H4104-SEP

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

36.1 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.316	0.317	-0.002
0	2	0.326	0.324	0.001
0	3	0.320	0.322	-0.002
30	11	0.325	0.322	0.002
30	12	0.329	0.329	0.000
30	13	0.322	0.322	0.000
30	14	0.323	0.322	0.001
30	15	0.315	0.313	0.001
35	16	0.328	0.329	-0.001
35	17	0.320	0.322	-0.002
35	18	0.321	0.322	-0.001
35	19	0.323	0.319	0.003
35	20	0.334	0.333	0.000
50	30	0.326	0.329	-0.003
50	31	0.328	0.328	0.000
50	32	0.326	0.329	-0.004
50	33	0.328	0.326	0.002
50	34	0.329	0.329	-0.001
55	40	0.324	0.329	-0.005
55	41	0.327	0.329	-0.003
55	42	0.325	0.327	-0.003
55	43	0.329	0.331	-0.002
55	44	0.327	0.331	-0.005
Max		0.334	0.333	0.003
Average		0.324	0.325	-0.001
Min		0.315	0.313	-0.005
Std Dev		0.004	0.005	0.002



36.1 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.1	msec			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	0.318	0.314	0.320	0.326	0.328
Average	0.321	0.322	0.325	0.328	0.330
Max	0.325	0.329	0.334	0.330	0.332
UL	1.600	1.600	1.600	1.600	1.600

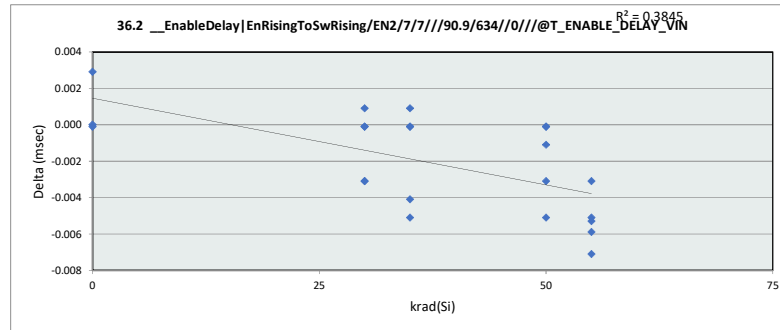


TID HDR Report

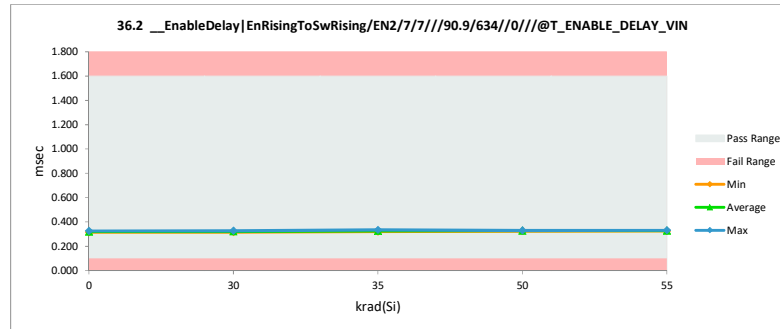
TPS7H4104-SEP

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

36.2 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.316	0.316	0.000
0	2	0.326	0.326	0.000
0	3	0.321	0.318	0.003
30	11	0.321	0.321	0.000
30	12	0.327	0.327	0.000
30	13	0.320	0.323	-0.003
30	14	0.321	0.324	-0.003
30	15	0.316	0.315	0.001
35	16	0.326	0.326	0.000
35	17	0.315	0.320	-0.005
35	18	0.319	0.323	-0.004
35	19	0.322	0.321	0.001
35	20	0.335	0.335	0.000
50	30	0.324	0.329	-0.005
50	31	0.324	0.324	0.000
50	32	0.327	0.330	-0.003
50	33	0.326	0.327	-0.001
50	34	0.330	0.330	0.000
55	40	0.322	0.329	-0.007
55	41	0.323	0.326	-0.003
55	42	0.323	0.329	-0.006
55	43	0.327	0.332	-0.005
55	44	0.322	0.328	-0.005
Max		0.335	0.335	0.003
Average		0.323	0.325	-0.002
Min		0.315	0.315	-0.007
Std Dev		0.005	0.005	0.003



36.2 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.1	msec			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	0.316	0.315	0.320	0.324	0.326
Average	0.320	0.322	0.325	0.328	0.328
Max	0.326	0.327	0.335	0.330	0.332
UL	1.600	1.600	1.600	1.600	1.600

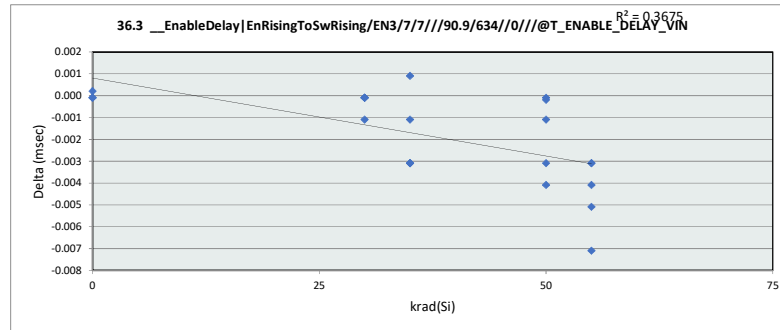


TID HDR Report

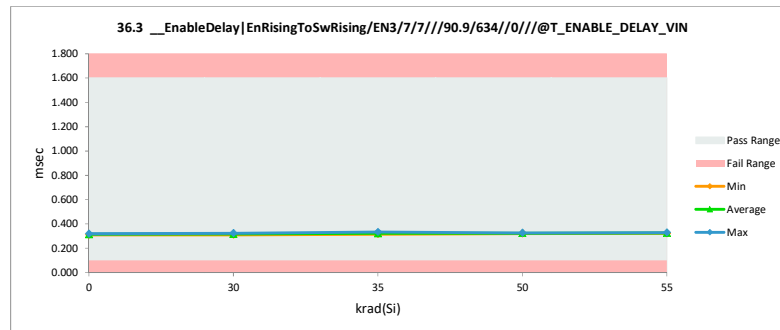
TPS7H4104-SEP

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

36.3 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.311	0.311	0.000
0	2	0.319	0.319	0.000
0	3	0.315	0.315	0.000
30	11	0.317	0.317	0.000
30	12	0.324	0.324	0.000
30	13	0.317	0.317	0.000
30	14	0.322	0.323	-0.001
30	15	0.310	0.310	0.000
35	16	0.324	0.325	-0.001
35	17	0.314	0.317	-0.003
35	18	0.314	0.317	-0.003
35	19	0.318	0.317	0.001
35	20	0.331	0.334	-0.003
50	30	0.323	0.326	-0.003
50	31	0.323	0.323	0.000
50	32	0.321	0.325	-0.004
50	33	0.319	0.320	-0.001
50	34	0.326	0.326	0.000
55	40	0.318	0.325	-0.007
55	41	0.322	0.325	-0.003
55	42	0.320	0.323	-0.003
55	43	0.326	0.330	-0.004
55	44	0.317	0.322	-0.005
Max		0.331	0.334	0.001
Average		0.319	0.321	-0.002
Min		0.310	0.310	-0.007
Std Dev		0.005	0.006	0.002



36.3 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.1	msec			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	0.311	0.310	0.317	0.320	0.322
Average	0.315	0.318	0.322	0.324	0.325
Max	0.319	0.324	0.334	0.326	0.330
UL	1.600	1.600	1.600	1.600	1.600

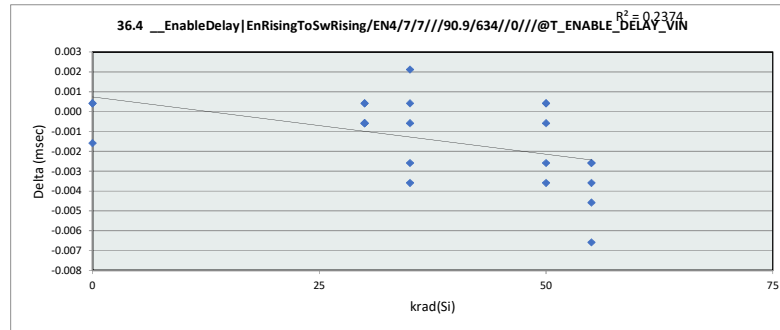


TID HDR Report

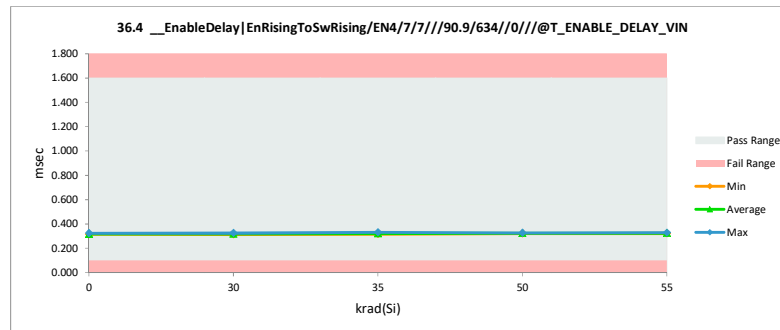
TPS7H4104-SEP

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

36.4 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit	msec	msec		
Max Limit	1.7	1.6		
Min Limit	0.1	0.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.312	0.314	-0.002
0	2	0.324	0.324	0.000
0	3	0.316	0.316	0.000
30	11	0.317	0.317	0.000
30	12	0.325	0.325	0.000
30	13	0.318	0.319	-0.001
30	14	0.317	0.318	-0.001
30	15	0.312	0.313	-0.001
35	16	0.324	0.325	-0.001
35	17	0.315	0.318	-0.003
35	18	0.315	0.319	-0.004
35	19	0.318	0.316	0.002
35	20	0.331	0.331	0.000
50	30	0.320	0.323	-0.003
50	31	0.320	0.320	0.000
50	32	0.320	0.324	-0.004
50	33	0.322	0.323	-0.001
50	34	0.326	0.326	0.000
55	40	0.318	0.325	-0.007
55	41	0.319	0.322	-0.003
55	42	0.321	0.324	-0.003
55	43	0.323	0.327	-0.004
55	44	0.318	0.323	-0.005
Max		0.331	0.331	0.002
Average		0.320	0.321	-0.001
Min		0.312	0.313	-0.007
Std Dev		0.005	0.005	0.002



36.4 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	1.6	msec			
Min Limit	0.1	msec			
krad(Si)	0	30	35	50	55
LL	0.100	0.100	0.100	0.100	0.100
Min	0.314	0.313	0.316	0.320	0.322
Average	0.318	0.318	0.321	0.323	0.324
Max	0.324	0.325	0.331	0.326	0.327
UL	1.600	1.600	1.600	1.600	1.600

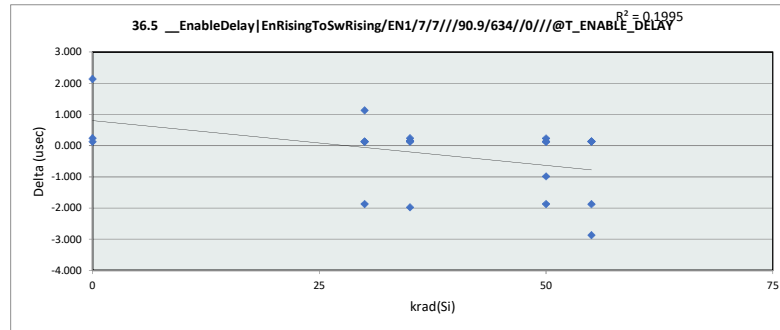


TID HDR Report

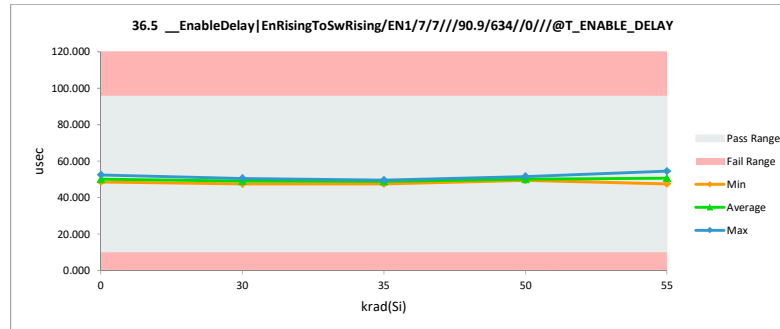
TPS7H4104-SEP

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

36.5 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	10	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	50.732	48.606	2.126
0	2	49.739	49.505	0.234
0	3	52.631	52.509	0.122
30	11	51.634	50.512	1.122
30	12	47.635	49.512	-1.878
30	13	47.638	47.517	0.121
30	14	49.639	49.514	0.125
30	15	48.638	48.515	0.123
35	16	49.638	49.514	0.124
35	17	47.744	47.514	0.231
35	18	49.639	49.490	0.149
35	19	48.639	48.515	0.124
35	20	47.640	49.625	-1.985
50	30	49.743	49.516	0.227
50	31	50.641	50.524	0.117
50	32	49.640	49.516	0.124
50	33	50.639	51.627	-0.989
50	34	47.744	49.621	-1.877
55	40	47.747	50.620	-2.874
55	41	50.641	50.509	0.132
55	42	47.641	47.515	0.126
55	43	50.640	50.515	0.126
55	44	52.640	54.521	-1.881
Max		52.640	54.521	2.126
Average		49.535	49.797	-0.262
Min		47.635	47.514	-2.874
Std Dev		1.591	1.606	1.134



36.5 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	95.5	usec			
Min Limit	10	usec			
krad(Si)	0	30	35	50	55
LL	10.000	10.000	10.000	10.000	10.000
Min	48.606	47.517	47.514	49.516	47.515
Average	50.207	49.114	48.931	50.161	50.736
Max	52.509	50.512	49.625	51.628	54.521
UL	95.500	95.500	95.500	95.500	95.500

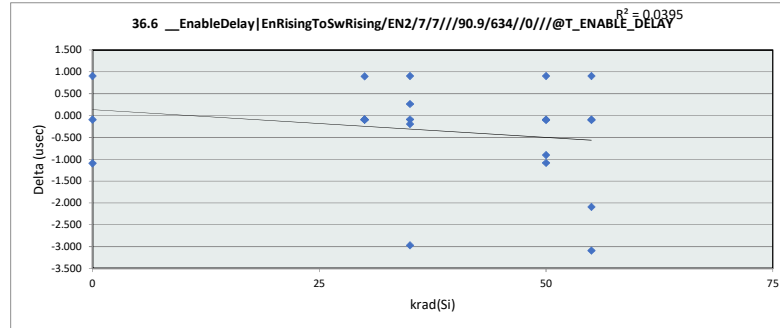


TID HDR Report

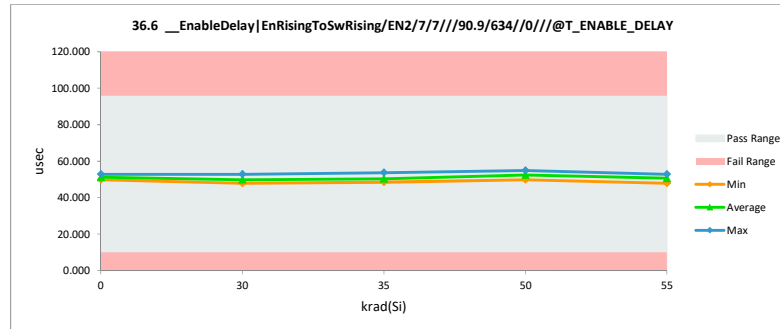
TPS7H4104-SEP

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

36.6 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	10	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	50.735	49.833	0.902
0	2	52.744	52.844	-0.100
0	3	49.750	50.847	-1.097
30	11	48.750	48.849	-0.099
30	12	47.748	47.848	-0.100
30	13	48.743	47.852	0.891
30	14	52.749	52.848	-0.100
30	15	51.746	51.846	-0.100
35	16	49.645	49.846	-0.201
35	17	48.743	48.485	0.258
35	18	50.748	49.848	0.900
35	19	49.753	49.846	-0.093
35	20	50.752	53.729	-2.977
50	30	52.742	52.847	-0.105
50	31	50.943	51.851	-0.908
50	32	52.749	52.847	-0.097
50	33	53.749	54.838	-1.089
50	34	50.740	49.841	0.899
55	40	48.744	51.842	-3.097
55	41	48.751	48.849	-0.098
55	42	48.749	47.848	0.900
55	43	51.740	51.846	-0.107
55	44	50.751	52.851	-2.099
Max		53.749	54.838	0.902
Average		50.533	50.869	-0.335
Min		47.748	47.848	-3.097
Std Dev		1.681	2.065	1.123



36.6 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	95.5	usec			
Min Limit	10	usec			
krad(Si)	0	30	35	50	55
LL	10.000	10.000	10.000	10.000	10.000
Min	49.833	47.848	48.485	49.841	47.848
Average	51.174	49.849	50.351	52.445	50.647
Max	52.844	52.849	53.729	54.838	52.851
UL	95.500	95.500	95.500	95.500	95.500

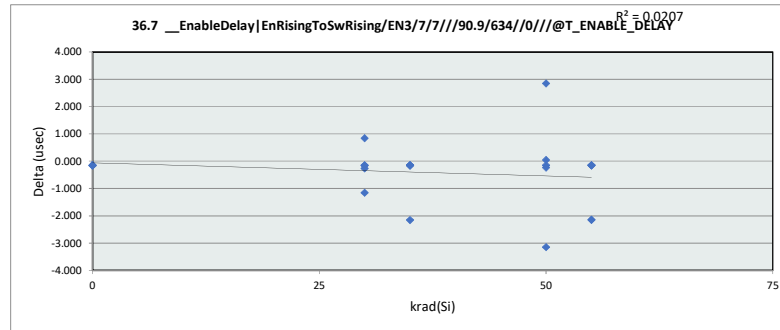


TID HDR Report

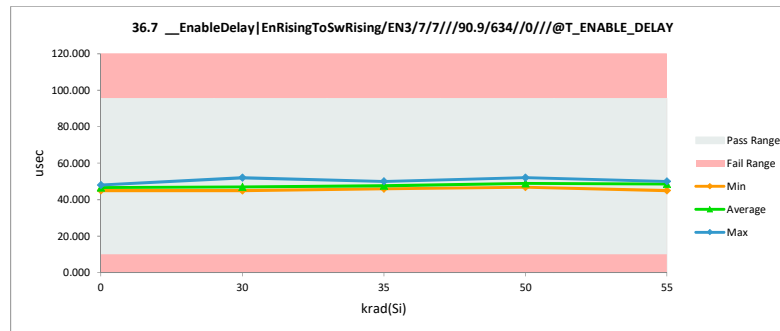
TPS7H4104-SEP

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

36.7 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	10	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	44.819	44.966	-0.147
0	2	47.835	47.997	-0.162
0	3	46.824	46.981	-0.158
30	11	45.826	46.983	-1.157
30	12	44.825	45.091	-0.266
30	13	44.826	44.985	-0.159
30	14	51.826	51.982	-0.156
30	15	46.824	45.981	0.843
35	16	46.828	46.979	-0.151
35	17	45.827	47.985	-2.157
35	18	46.828	46.981	-0.153
35	19	45.829	45.979	-0.150
35	20	49.829	49.985	-0.156
50	30	48.828	51.980	-3.152
50	31	49.829	50.065	-0.236
50	32	48.830	48.981	-0.151
50	33	46.849	46.810	0.039
50	34	49.830	46.984	2.846
55	40	47.829	47.984	-0.155
55	41	47.830	49.981	-2.151
55	42	44.831	44.985	-0.153
55	43	49.830	49.982	-0.152
55	44	47.830	49.982	-2.152
Max		51.826	51.982	2.846
Average		47.438	47.853	-0.415
Min		44.819	44.966	-3.152
Std Dev		1.949	2.161	1.177



36.7 __EnableDelay EnRisingTo					
Test Site					
Tester					
Test Number					
Max Limit		95.5	usec		
Min Limit		10	usec		
krad(Si)	0	30	35	50	55
LL	10.000	10.000	10.000	10.000	10.000
Min	44.966	44.985	45.979	46.810	44.985
Average	46.648	47.004	47.582	48.964	48.583
Max	47.997	51.982	49.985	51.980	49.982
UL	95.500	95.500	95.500	95.500	95.500

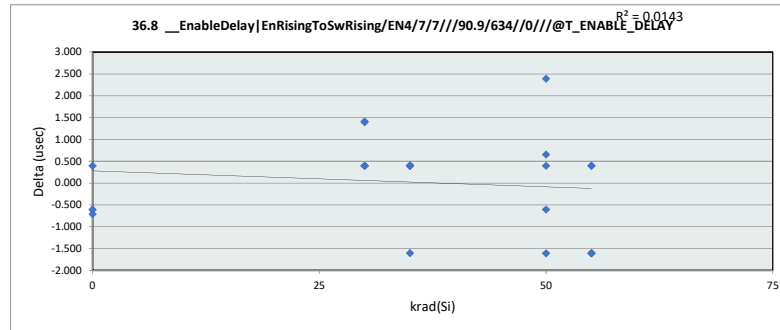


TID HDR Report

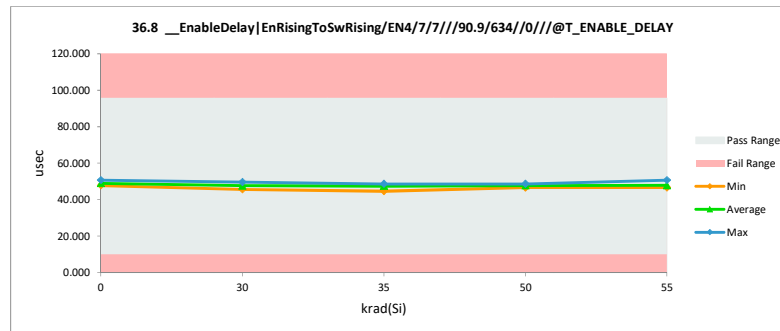
TPS7H4104-SEP

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

36.8 __EnableDelay EnRisingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	95.5	
Min Limit		10	10	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	47.006	47.718	-0.712
0	2	51.006	50.614	0.392
0	3	48.006	48.616	-0.611
30	11	47.007	46.616	0.392
30	12	49.005	47.599	1.406
30	13	47.007	45.618	1.389
30	14	49.006	48.616	0.390
30	15	50.005	49.613	0.392
35	16	48.008	47.610	0.398
35	17	49.008	48.619	0.390
35	18	46.006	47.613	-1.608
35	19	45.007	44.610	0.397
35	20	49.006	48.613	0.393
50	30	49.008	48.359	0.649
50	31	47.010	46.619	0.391
50	32	48.007	48.616	-0.610
50	33	50.007	47.622	2.385
50	34	46.008	47.618	-1.610
55	40	47.009	46.614	0.395
55	41	45.007	46.613	-1.606
55	42	47.009	48.617	-1.609
55	43	47.009	46.617	0.391
55	44	49.007	50.619	-1.612
Max		51.006	50.619	2.385
Average		47.833	47.826	0.007
Min		45.007	44.610	-1.612
Std Dev		1.585	1.439	1.085



36.8 __EnableDelay EnRising					
Test Site					
Tester					
Test Number					
Max Limit	95.5	usec			
Min Limit	10	usec			
krad(Si)	0	30	35	50	55
LL	10.000	10.000	10.000	10.000	10.000
Min	47.718	45.618	44.610	46.619	46.613
Average	48.983	47.612	47.413	47.767	47.816
Max	50.614	49.613	48.619	48.616	50.619
UL	95.500	95.500	95.500	95.500	95.500

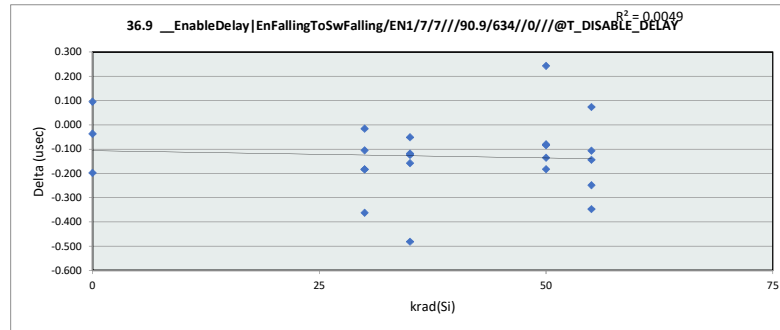


TID HDR Report

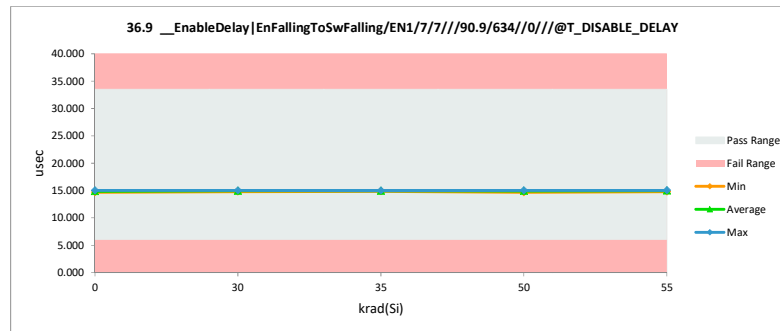
TPS7H4104-SEP

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

36.9 __EnableDelay EnFallingTo				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33.5	
Min Limit		6	6	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	14.774	14.680	0.094
0	2	14.833	14.870	-0.038
0	3	14.798	14.997	-0.199
30	11	14.794	14.978	-0.184
30	12	14.828	15.012	-0.185
30	13	14.772	14.789	-0.017
30	14	14.836	14.942	-0.106
30	15	14.604	14.968	-0.364
35	16	14.825	14.950	-0.125
35	17	14.865	14.983	-0.119
35	18	14.811	14.864	-0.052
35	19	14.424	14.907	-0.483
35	20	14.787	14.946	-0.159
50	30	14.891	14.976	-0.085
50	31	14.789	14.870	-0.081
50	32	14.793	14.976	-0.184
50	33	14.862	14.999	-0.137
50	34	14.897	14.655	0.242
55	40	14.869	15.014	-0.145
55	41	14.769	15.018	-0.249
55	42	14.605	14.953	-0.349
55	43	14.856	14.784	0.072
55	44	14.931	15.038	-0.108
Max		14.931	15.038	0.242
Average		14.792	14.920	-0.129
Min		14.424	14.655	-0.483
Std Dev		0.112	0.105	0.153



36.9 __EnableDelay EnFalling					
Test Site					
Tester					
Test Number					
Max Limit		33.5	usec		
Min Limit		6	usec		
krad(Si)	0	30	35	50	55
LL	6.000	6.000	6.000	6.000	6.000
Min	14.680	14.789	14.864	14.655	14.784
Average	14.849	14.938	14.930	14.895	14.962
Max	14.997	15.012	14.983	14.999	15.038
UL	33.500	33.500	33.500	33.500	33.500

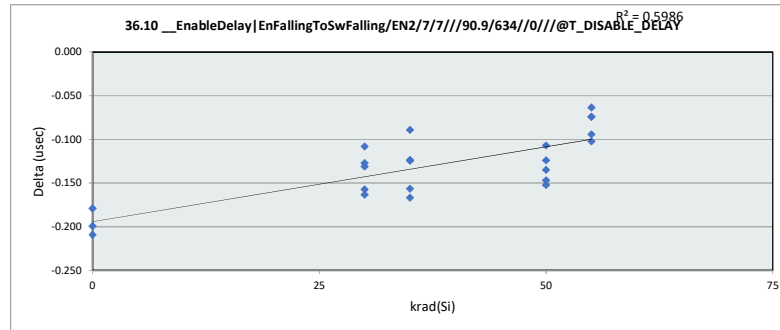


TID HDR Report

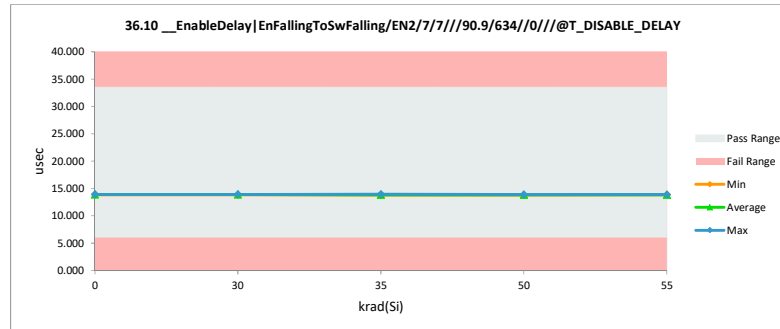
TPS7H4104-SEP

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

36.10 __EnableDelay EnFallingT				
Test Site				
Tester				
Test Number				
Unit	usec	usec		
Max Limit	35	33.5		
Min Limit	6	6		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	13.701	13.880	-0.179
0	2	13.685	13.894	-0.209
0	3	13.724	13.923	-0.199
30	11	13.726	13.884	-0.157
30	12	13.682	13.846	-0.163
30	13	13.763	13.894	-0.131
30	14	13.809	13.917	-0.108
30	15	13.759	13.886	-0.127
35	16	13.710	13.877	-0.167
35	17	13.798	13.921	-0.124
35	18	13.683	13.772	-0.089
35	19	13.680	13.804	-0.125
35	20	13.802	13.959	-0.157
50	30	13.673	13.797	-0.124
50	31	13.738	13.890	-0.152
50	32	13.772	13.907	-0.135
50	33	13.771	13.878	-0.107
50	34	13.754	13.901	-0.147
55	40	13.781	13.856	-0.074
55	41	13.811	13.875	-0.064
55	42	13.796	13.870	-0.074
55	43	13.795	13.897	-0.102
55	44	13.760	13.855	-0.094
Max		13.811	13.959	-0.064
Average		13.747	13.878	-0.131
Min		13.673	13.772	-0.209
Std Dev		0.047	0.043	0.039



36.10 __EnableDelay EnFallingT					
Test Site					
Tester					
Test Number					
Max Limit	33.5	usec			
Min Limit	6	usec			
krad(Si)	0	30	35	50	55
LL	6.000	6.000	6.000	6.000	6.000
Min	13.880	13.846	13.772	13.797	13.855
Average	13.899	13.885	13.867	13.874	13.871
Max	13.923	13.917	13.959	13.907	13.897
UL	33.500	33.500	33.500	33.500	33.500

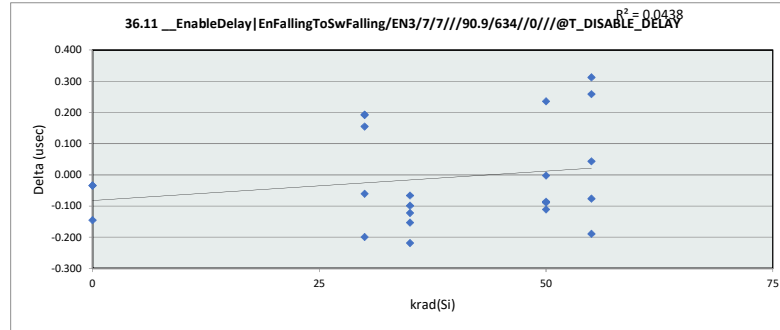


TID HDR Report

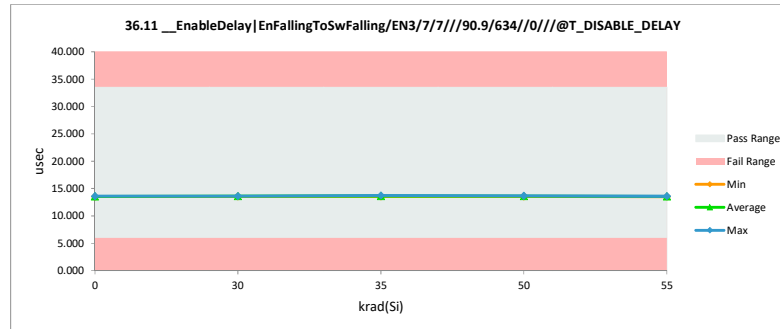
TPS7H4104-SEP

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

36.11 __EnableDelay EnFallingT				
Test Site				
Tester				
Test Number				
Unit	usec	usec		
Max Limit	35	33.5		
Min Limit	6	6		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	13.546	13.581	-0.034
0	2	13.457	13.602	-0.145
0	3	13.497	13.532	-0.035
30	11	13.393	13.592	-0.199
30	12	13.828	13.637	0.192
30	13	13.515	13.576	-0.061
30	14	13.774	13.581	0.193
30	15	13.705	13.550	0.155
35	16	13.466	13.619	-0.153
35	17	13.502	13.568	-0.066
35	18	13.440	13.658	-0.218
35	19	13.590	13.713	-0.122
35	20	13.537	13.636	-0.099
50	30	13.660	13.663	-0.003
50	31	13.504	13.590	-0.086
50	32	13.451	13.562	-0.111
50	33	13.792	13.556	0.236
50	34	13.457	13.545	-0.089
55	40	13.824	13.565	0.259
55	41	13.866	13.554	0.312
55	42	13.395	13.584	-0.189
55	43	13.464	13.540	-0.076
55	44	13.602	13.559	0.043
Max		13.866	13.713	0.312
Average		13.577	13.590	-0.013
Min		13.393	13.532	-0.218
Std Dev		0.150	0.045	0.158



36.11 __EnableDelay EnFallingT					
Test Site					
Tester					
Test Number					
Max Limit	33.5	usec			
Min Limit	6	usec			
krad(Si)	0	30	35	50	55
LL	6.000	6.000	6.000	6.000	6.000
Min	13.532	13.550	13.568	13.546	13.540
Average	13.572	13.587	13.639	13.583	13.560
Max	13.602	13.637	13.713	13.663	13.584
UL	33.500	33.500	33.500	33.500	33.500

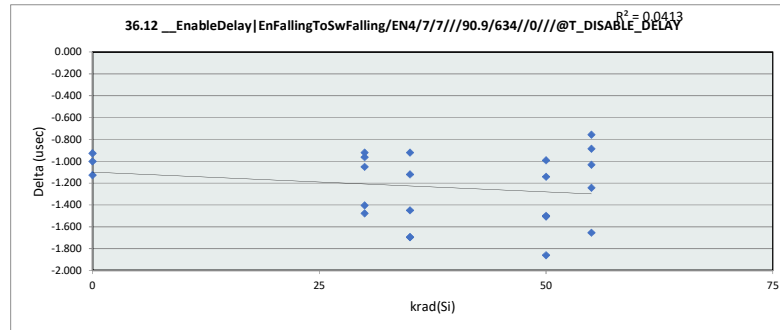


TID HDR Report

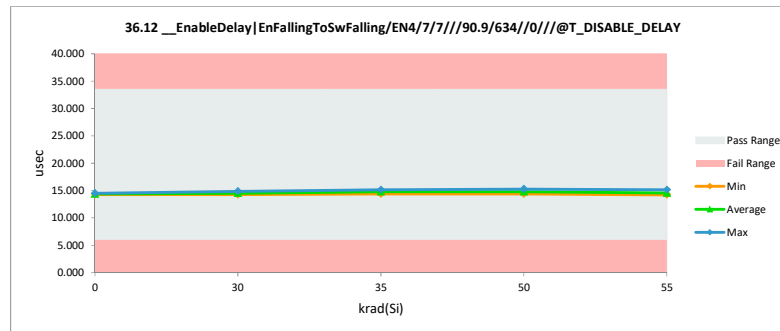
TPS7H4104-SEP

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

36.12 __EnableDelay EnFallingT				
Test Site				
Tester				
Test Number				
Unit	usec	usec		
Max Limit	35	33.5		
Min Limit	6	6		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	13.336	14.265	-0.929
0	2	13.352	14.482	-1.130
0	3	13.367	14.371	-1.004
30	11	13.346	14.311	-0.965
30	12	13.421	14.828	-1.407
30	13	13.360	14.839	-1.480
30	14	13.332	14.386	-1.054
30	15	13.313	14.237	-0.924
35	16	13.389	14.512	-1.123
35	17	13.419	15.116	-1.697
35	18	13.406	14.858	-1.452
35	19	13.419	14.341	-0.923
35	20	13.440	15.139	-1.699
50	30	13.415	14.918	-1.502
50	31	13.398	14.543	-1.144
50	32	13.389	15.252	-1.863
50	33	13.377	14.370	-0.994
50	34	13.396	14.905	-1.508
55	40	13.461	15.119	-1.657
55	41	13.479	14.237	-0.759
55	42	13.409	14.443	-1.034
55	43	13.398	14.644	-1.246
55	44	13.462	14.350	-0.888
Max		13.479	15.252	-0.759
Average		13.395	14.629	-1.234
Min		13.313	14.237	-1.863
Std Dev		0.043	0.330	0.317



36.12 __EnableDelay EnFallingT					
Test Site					
Tester					
Test Number					
Max Limit	33.5	usec			
Min Limit	6	usec			
krad(Si)	0	30	35	50	55
LL	6.000	6.000	6.000	6.000	6.000
Min	14.265	14.237	14.341	14.371	14.237
Average	14.373	14.520	14.793	14.798	14.559
Max	14.482	14.839	15.139	15.252	15.119
UL	33.500	33.500	33.500	33.500	33.500

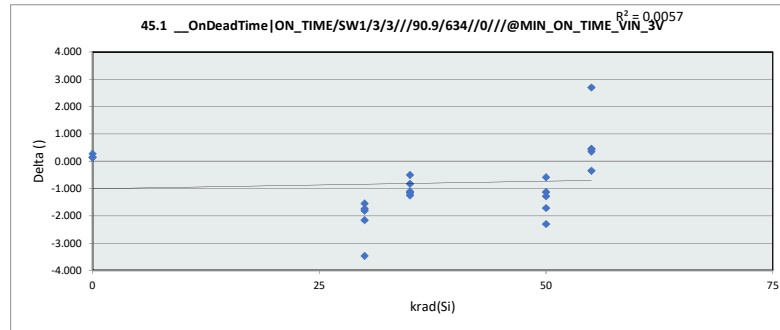


TID HDR Report

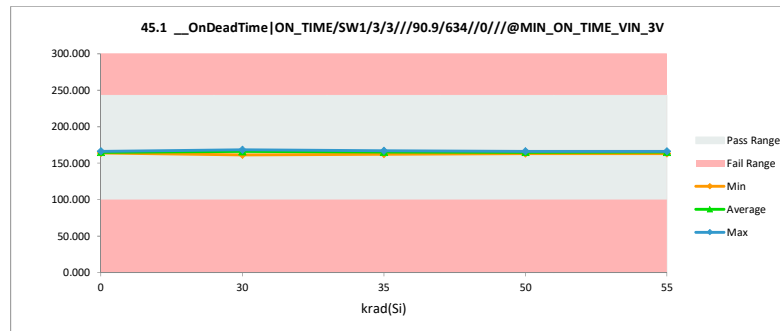
TPS7H4104-SEP

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

45.1 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	260	243		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	164.003	163.868	0.135
0	2	166.256	166.112	0.144
0	3	164.984	164.721	0.263
30	11	165.816	167.372	-1.556
30	12	166.221	167.964	-1.743
30	13	164.719	168.190	-3.472
30	14	164.103	165.923	-1.820
30	15	159.266	161.433	-2.167
35	16	164.093	165.252	-1.159
35	17	166.525	167.033	-0.508
35	18	161.131	162.238	-1.107
35	19	166.010	166.838	-0.828
35	20	163.462	164.717	-1.256
50	30	163.947	165.664	-1.717
50	31	165.616	166.209	-0.593
50	32	164.614	165.906	-1.291
50	33	163.239	164.371	-1.132
50	34	160.840	163.150	-2.310
55	40	165.980	166.333	-0.353
55	41	165.932	165.585	0.348
55	42	163.577	163.145	0.432
55	43	166.566	166.113	0.453
55	44	167.897	165.199	2.698
Max		167.897	168.190	2.698
Average		164.556	165.362	-0.806
Min		159.266	161.433	-3.472
Std Dev		2.047	1.737	1.266



45.1 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	243				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	163.868	161.433	162.238	163.150	163.145
Average	164.900	166.176	165.216	165.060	165.275
Max	166.112	168.190	167.033	166.209	166.333
UL	243.000	243.000	243.000	243.000	243.000

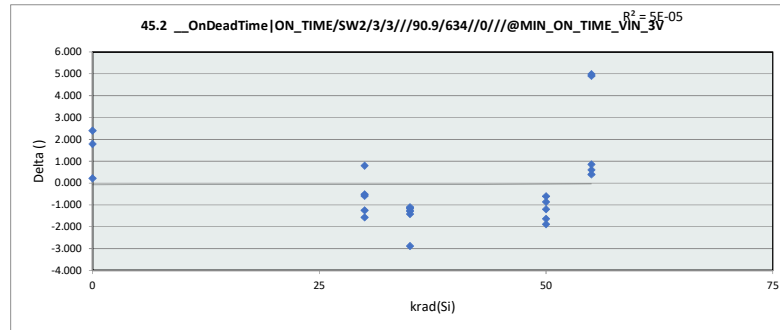


TID HDR Report

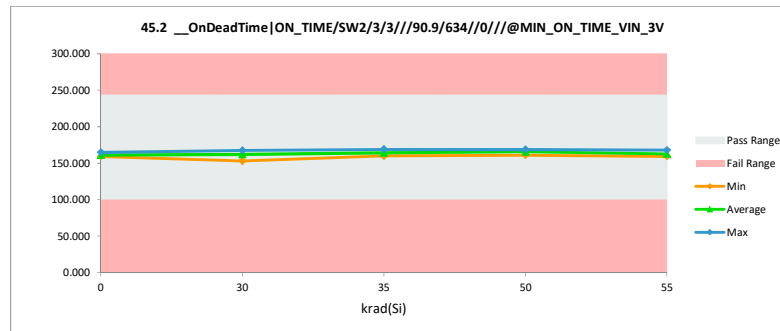
TPS7H4104-SEP

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

45.2 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	260	243		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	160.801	159.021	1.779
0	2	161.999	159.605	2.394
0	3	164.862	164.651	0.211
30	11	163.506	162.718	0.789
30	12	161.198	162.453	-1.256
30	13	165.811	167.395	-1.583
30	14	164.208	164.731	-0.523
30	15	152.351	152.948	-0.598
35	16	158.473	159.766	-1.293
35	17	166.076	168.969	-2.894
35	18	161.270	162.444	-1.174
35	19	160.497	161.613	-1.116
35	20	166.185	167.613	-1.428
50	30	165.336	165.954	-0.617
50	31	166.829	168.471	-1.642
50	32	165.077	166.968	-1.891
50	33	160.154	161.026	-0.872
50	34	165.092	166.300	-1.208
55	40	168.385	167.791	0.594
55	41	163.926	159.031	4.895
55	42	160.075	159.689	0.385
55	43	167.448	166.606	0.841
55	44	165.978	160.999	4.979
Max		168.385	168.969	4.979
Average		163.284	163.337	-0.053
Min		152.351	152.948	-2.894
Std Dev		3.612	4.026	1.997



45.2 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	243				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	159.021	152.948	159.766	161.026	159.031
Average	161.092	162.049	164.081	165.744	162.823
Max	164.651	167.395	168.969	168.471	167.791
UL	243.000	243.000	243.000	243.000	243.000

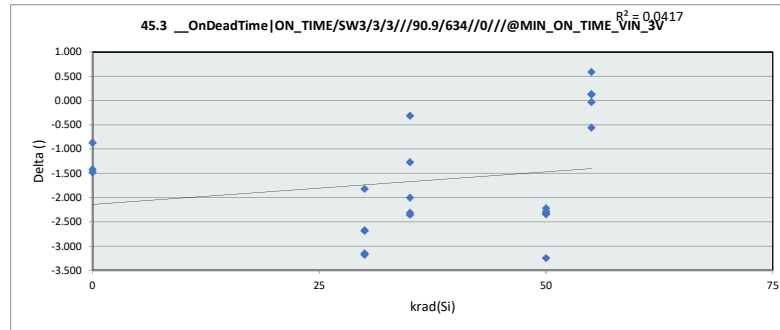


TID HDR Report

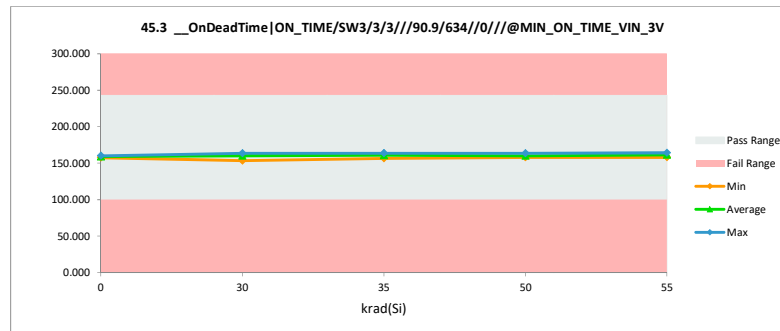
TPS7H4104-SEP

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

45.3 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	260	243		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	156.746	157.620	-0.874
0	2	158.544	160.029	-1.485
0	3	158.197	159.624	-1.427
30	11	161.550	163.375	-1.825
30	12	157.189	159.871	-2.682
30	13	159.251	162.437	-3.186
30	14	159.055	162.212	-3.156
30	15	150.607	153.297	-2.690
35	16	158.753	161.112	-2.359
35	17	161.322	161.640	-0.319
35	18	154.038	156.358	-2.319
35	19	159.848	161.123	-1.275
35	20	161.695	163.703	-2.007
50	30	156.148	158.498	-2.350
50	31	158.970	161.260	-2.290
50	32	156.670	158.996	-2.326
50	33	161.193	163.417	-2.225
50	34	154.520	157.769	-3.250
55	40	164.126	164.164	-0.038
55	41	160.579	161.142	-0.563
55	42	157.947	157.824	0.123
55	43	161.867	161.285	0.582
55	44	162.615	162.492	0.124
Max		164.126	164.164	0.582
Average		158.758	160.402	-1.644
Min		150.607	153.297	-3.250
Std Dev		3.108	2.647	1.163



45.3 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	243				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	157.620	153.297	156.358	157.769	157.824
Average	159.091	160.238	160.787	159.988	161.381
Max	160.029	163.375	163.703	163.418	164.164
UL	243.000	243.000	243.000	243.000	243.000

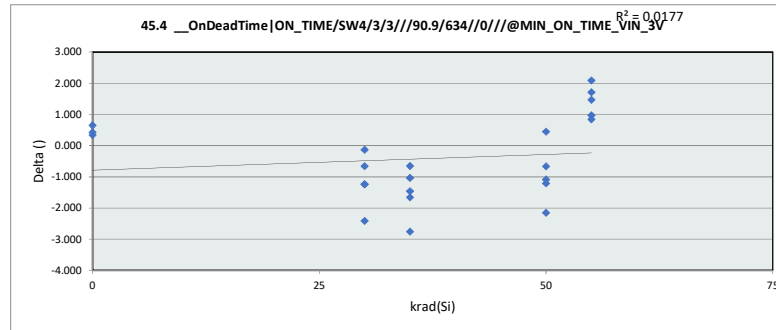


TID HDR Report

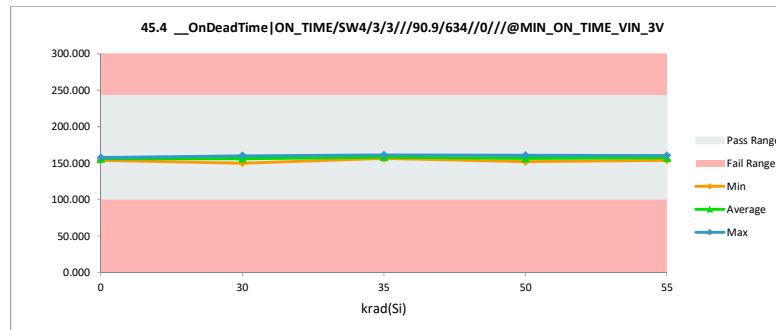
TPS7H4104-SEP

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

45.4 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	260	243		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	157.283	156.947	0.336
0	2	158.258	157.611	0.646
0	3	154.355	153.933	0.421
30	11	159.026	159.690	-0.664
30	12	154.258	155.510	-1.252
30	13	157.641	160.060	-2.419
30	14	154.983	156.219	-1.237
30	15	149.867	150.007	-0.140
35	16	154.701	156.365	-1.664
35	17	158.424	159.079	-0.655
35	18	153.565	156.326	-2.761
35	19	156.592	157.634	-1.042
35	20	159.757	161.220	-1.463
50	30	156.119	155.675	0.444
50	31	158.570	160.726	-2.156
50	32	156.736	157.827	-1.091
50	33	154.909	156.123	-1.215
50	34	151.331	152.000	-0.669
55	40	161.128	160.292	0.836
55	41	154.906	153.940	0.966
55	42	156.635	154.930	1.705
55	43	159.495	157.410	2.085
55	44	160.774	159.310	1.464
Max		161.128	161.220	2.085
Average		156.492	156.906	-0.414
Min		149.867	150.007	-2.761
Std Dev		2.848	2.807	1.335



45.4 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	243				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	153.933	150.007	156.326	152.000	153.940
Average	156.164	156.297	158.125	156.470	157.177
Max	157.612	160.060	161.220	160.726	160.293
UL	243.000	243.000	243.000	243.000	243.000

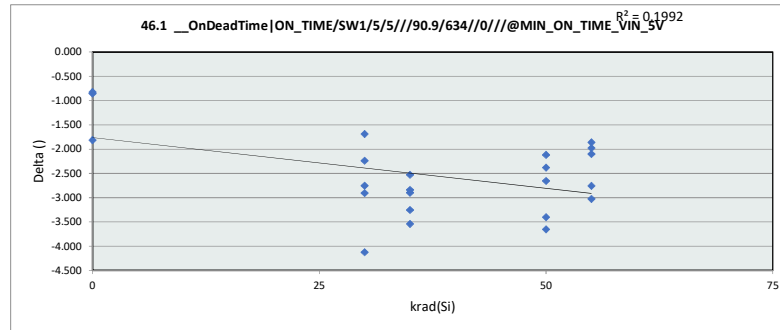


TID HDR Report

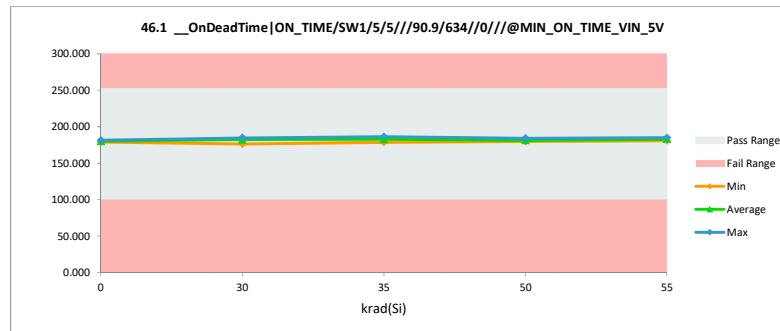
TPS7H4104-SEP

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

46.1 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	270	252		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	179.121	179.951	-0.831
0	2	179.553	181.373	-1.821
0	3	178.266	179.124	-0.858
30	11	183.050	184.742	-1.692
30	12	181.650	184.563	-2.913
30	13	178.772	182.903	-4.131
30	14	180.378	183.136	-2.758
30	15	174.066	176.309	-2.243
35	16	179.553	183.099	-3.546
35	17	183.304	186.206	-2.902
35	18	175.499	178.759	-3.261
35	19	181.358	183.893	-2.535
35	20	179.518	182.364	-2.846
50	30	177.465	180.874	-3.409
50	31	181.613	183.999	-2.387
50	32	179.014	181.673	-2.659
50	33	177.509	179.633	-2.124
50	34	177.125	180.782	-3.657
55	40	182.666	184.649	-1.983
55	41	178.953	181.715	-2.762
55	42	178.473	180.579	-2.106
55	43	180.314	183.345	-3.031
55	44	182.949	184.817	-1.868
Max		183.304	186.206	-0.831
Average		179.572	182.108	-2.536
Min		174.066	176.309	-4.131
Std Dev		2.392	2.389	0.826



46.1 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	252				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	179.124	176.309	178.759	179.633	180.579
Average	180.149	182.331	182.864	181.392	183.021
Max	181.373	184.742	186.206	183.999	184.817
UL	252.000	252.000	252.000	252.000	252.000

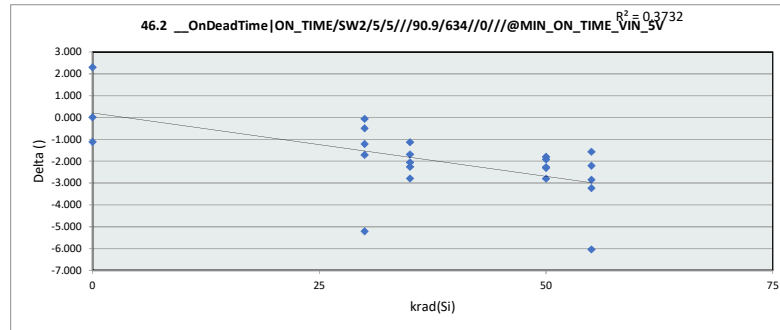


TID HDR Report

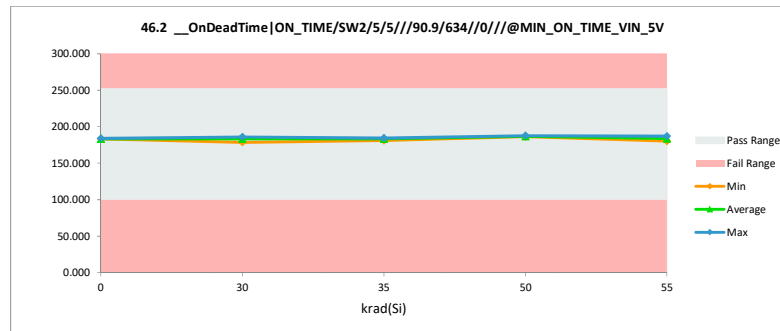
TPS7H4104-SEP

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

46.2 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	270	252		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	185.556	183.257	2.299
0	2	182.083	183.202	-1.118
0	3	183.898	183.891	0.007
30	11	180.865	186.076	-5.211
30	12	181.393	182.612	-1.219
30	13	184.165	185.882	-1.716
30	14	183.405	183.902	-0.497
30	15	178.521	178.584	-0.063
35	16	181.118	183.916	-2.798
35	17	182.629	183.764	-1.135
35	18	180.546	182.807	-2.261
35	19	179.345	181.034	-1.689
35	20	182.325	184.382	-2.057
50	30	184.489	186.801	-2.312
50	31	185.920	187.722	-1.802
50	32	184.159	186.438	-2.278
50	33	183.584	186.390	-2.806
50	34	184.399	186.323	-1.924
55	40	183.755	186.990	-3.235
55	41	179.898	182.105	-2.207
55	42	177.590	183.631	-6.041
55	43	184.254	185.823	-1.570
55	44	177.123	179.973	-2.850
Max		185.920	187.722	2.299
Average		182.218	184.152	-1.934
Min		177.123	178.584	-6.041
Std Dev		2.489	2.347	1.671



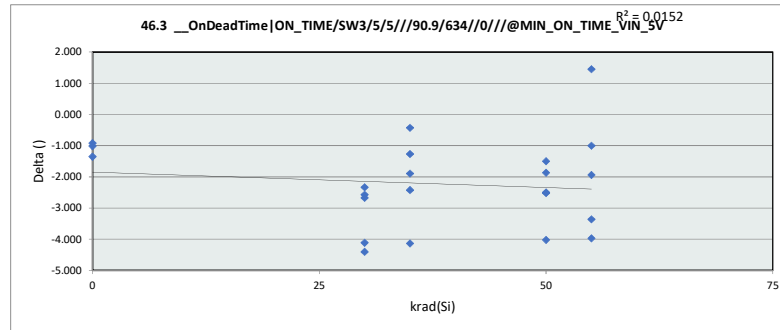
46.2 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	252				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	183.202	178.584	181.034	186.323	179.973
Average	183.450	183.411	183.181	186.735	183.704
Max	183.891	186.076	184.382	187.722	186.990
UL	252.000	252.000	252.000	252.000	252.000



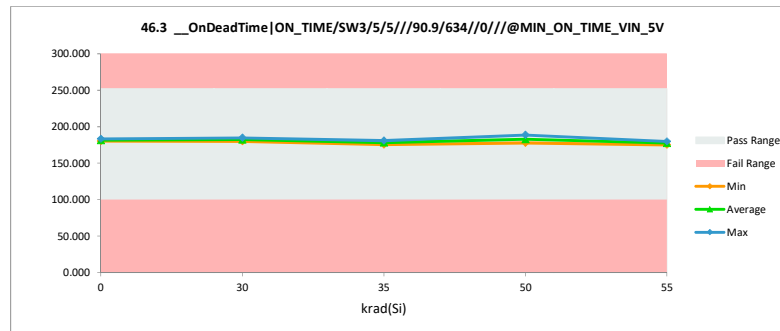
TID HDR Report TPS7H4104-SEP

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

46.3 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	270	252		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	182.454	183.379	-0.925
0	2	179.108	180.132	-1.024
0	3	179.388	180.748	-1.360
30	11	176.446	180.564	-4.118
30	12	177.574	181.986	-4.411
30	13	181.855	184.194	-2.339
30	14	182.242	184.822	-2.580
30	15	177.303	179.984	-2.680
35	16	179.087	180.987	-1.900
35	17	172.992	175.420	-2.428
35	18	180.247	180.679	-0.432
35	19	176.189	177.462	-1.273
35	20	172.910	177.052	-4.142
50	30	180.884	182.755	-1.871
50	31	175.277	177.801	-2.524
50	32	180.212	181.717	-1.505
50	33	186.150	188.651	-2.501
50	34	179.305	183.334	-4.029
55	40	177.748	179.693	-1.945
55	41	178.618	177.175	1.443
55	42	174.394	178.372	-3.979
55	43	173.975	174.987	-1.012
55	44	174.542	177.911	-3.369
Max		186.150	188.651	1.443
Average		178.213	180.426	-2.213
Min		172.910	174.987	-4.411
Std Dev		3.363	3.247	1.414



46.3 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	252				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	180.132	179.984	175.420	177.801	174.987
Average	181.420	182.310	178.320	182.852	177.628
Max	183.379	184.822	180.987	188.651	179.693
UL	252.000	252.000	252.000	252.000	252.000

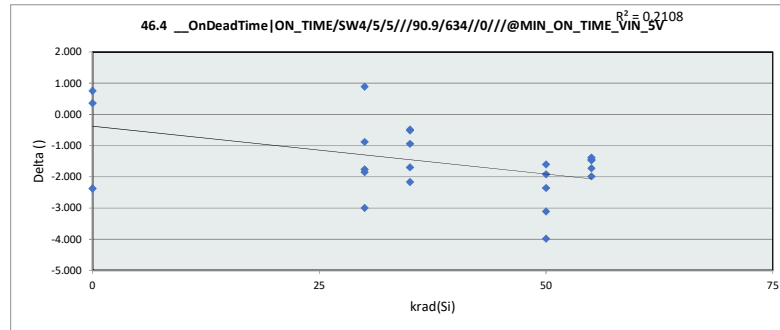


TID HDR Report

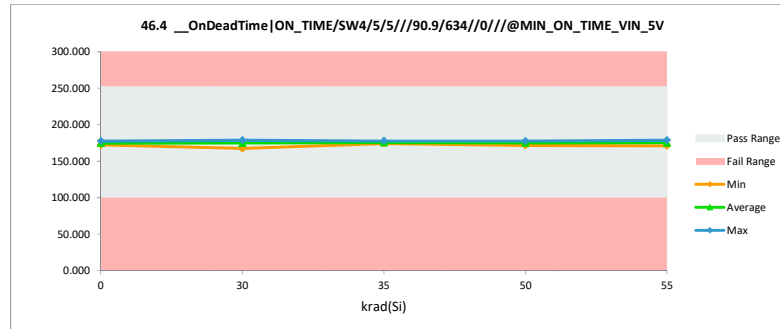
TPS7H4104-SEP

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

46.4 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	270	252		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	175.355	174.606	0.749
0	2	174.938	177.320	-2.382
0	3	172.509	172.157	0.352
30	11	176.774	178.631	-1.857
30	12	173.185	174.951	-1.767
30	13	175.539	178.540	-3.001
30	14	173.828	174.713	-0.885
30	15	168.237	167.354	0.883
35	16	172.721	174.893	-2.172
35	17	174.863	176.567	-1.704
35	18	173.031	173.979	-0.948
35	19	174.103	174.594	-0.491
35	20	177.127	177.646	-0.520
50	30	174.330	176.256	-1.925
50	31	173.528	177.520	-3.992
50	32	172.945	176.060	-3.115
50	33	172.180	173.787	-1.608
50	34	169.326	171.690	-2.364
55	40	177.107	178.581	-1.473
55	41	169.439	170.828	-1.389
55	42	171.453	172.916	-1.463
55	43	173.811	175.547	-1.736
55	44	175.869	177.859	-1.990
Max		177.127	178.631	0.883
Average		173.574	175.087	-1.513
Min		168.237	167.354	-3.992
Std Dev		2.383	2.804	1.180



46.4 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	252				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	172.157	167.354	173.979	171.690	170.828
Average	174.694	174.838	175.536	175.063	175.146
Max	177.320	178.631	177.646	177.520	178.581
UL	252.000	252.000	252.000	252.000	252.000

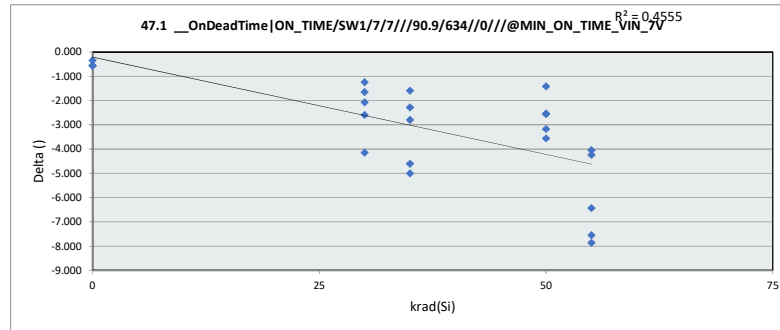


TID HDR Report

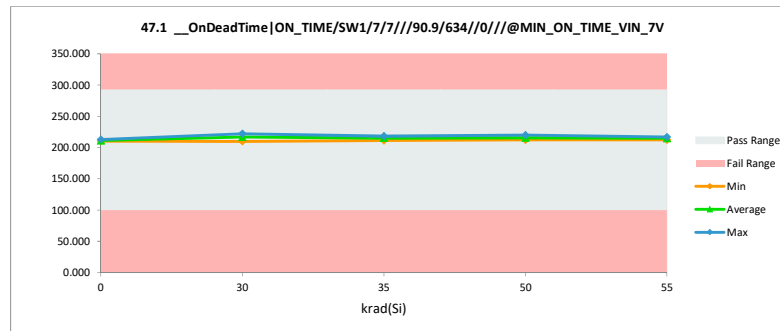
TPS7H4104-SEP

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

47.1 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	320	292		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	212.271	212.840	-0.570
0	2	210.025	210.377	-0.352
0	3	209.704	210.274	-0.570
30	11	217.734	219.391	-1.658
30	12	219.571	222.172	-2.602
30	13	214.825	216.076	-1.251
30	14	214.513	216.587	-2.074
30	15	205.471	209.623	-4.152
35	16	216.542	218.141	-1.599
35	17	212.363	216.971	-4.608
35	18	210.626	212.915	-2.289
35	19	213.587	216.392	-2.805
35	20	206.234	211.238	-5.005
50	30	208.675	212.237	-3.562
50	31	213.663	215.087	-1.424
50	32	210.719	213.281	-2.562
50	33	216.727	219.909	-3.182
50	34	214.760	217.300	-2.541
55	40	211.236	215.287	-4.051
55	41	208.870	216.737	-7.867
55	42	207.149	214.702	-7.553
55	43	205.730	212.168	-6.438
55	44	211.374	215.618	-4.243
Max		219.571	222.172	-0.352
Average		211.842	215.014	-3.172
Min		205.471	209.623	-7.867
Std Dev		3.892	3.285	2.095



47.1 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	292				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	210.274	209.623	211.239	212.237	212.168
Average	211.164	216.770	215.131	215.563	214.902
Max	212.841	222.172	218.141	219.909	216.737
UL	292.000	292.000	292.000	292.000	292.000

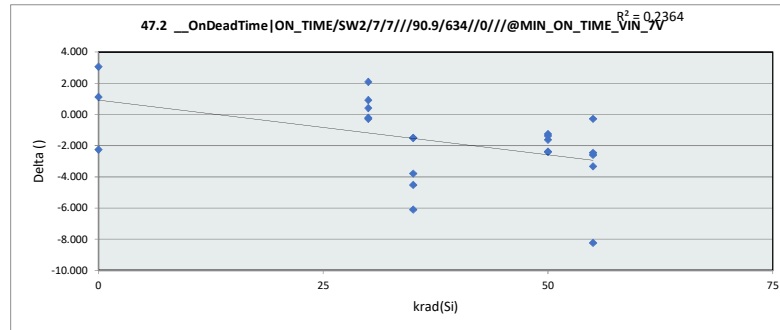


TID HDR Report

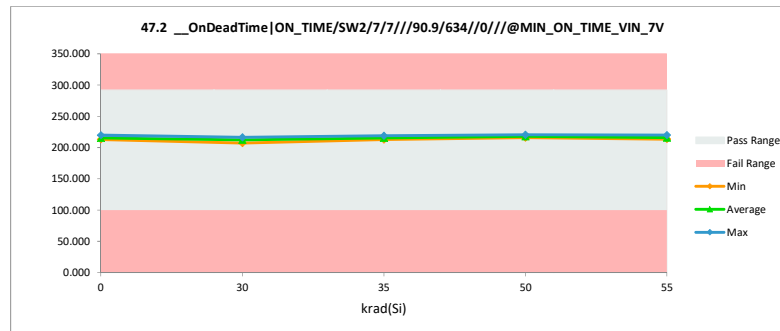
TPS7H4104-SEP

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

47.2 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	320	292		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	216.073	213.019	3.054
0	2	217.590	219.843	-2.253
0	3	214.300	213.188	1.112
30	11	217.204	216.292	0.912
30	12	214.169	212.087	2.082
30	13	213.190	213.469	-0.279
30	14	213.038	213.254	-0.216
30	15	207.402	206.991	0.411
35	16	212.050	215.839	-3.789
35	17	217.407	218.923	-1.516
35	18	211.816	213.323	-1.506
35	19	208.049	212.579	-4.529
35	20	210.544	216.645	-6.101
50	30	214.398	215.777	-1.380
50	31	215.887	218.270	-2.383
50	32	213.445	215.854	-2.409
50	33	218.544	220.169	-1.625
50	34	219.170	220.424	-1.254
55	40	215.839	219.164	-3.325
55	41	211.271	213.734	-2.463
55	42	210.838	213.428	-2.590
55	43	214.003	214.286	-0.283
55	44	211.698	219.930	-8.232
Max		219.170	220.424	3.054
Average		213.823	215.499	-1.677
Min		207.402	206.991	-8.232
Std Dev		3.141	3.347	2.544



47.2 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	292				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	213.019	206.991	212.579	215.777	213.428
Average	215.350	212.419	215.462	218.099	216.109
Max	219.843	216.292	218.923	220.424	219.931
UL	292.000	292.000	292.000	292.000	292.000

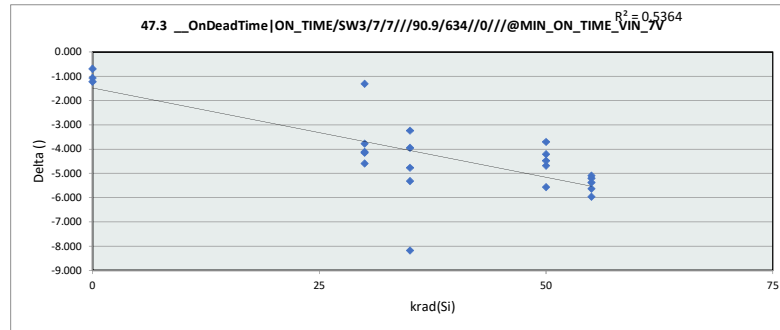


TID HDR Report

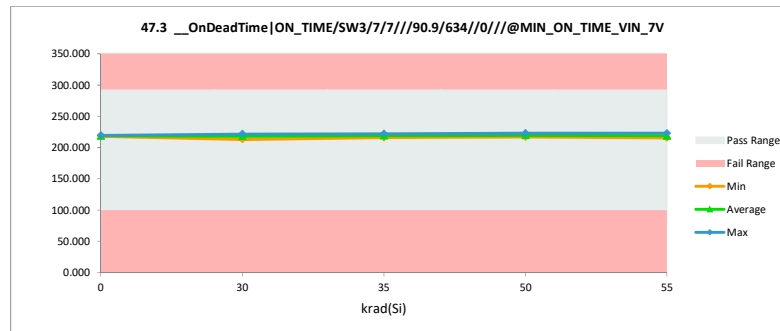
TPS7H4104-SEP

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

47.3 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	320	292		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	217.310	218.012	-0.701
0	2	217.653	218.735	-1.082
0	3	218.073	219.307	-1.234
30	11	217.911	219.228	-1.317
30	12	213.200	216.987	-3.788
30	13	214.756	219.361	-4.605
30	14	217.513	221.677	-4.163
30	15	208.942	213.068	-4.127
35	16	215.269	220.049	-4.780
35	17	212.326	220.512	-8.186
35	18	213.870	217.119	-3.249
35	19	212.146	216.108	-3.963
35	20	216.425	221.758	-5.334
50	30	215.274	219.762	-4.488
50	31	216.391	220.106	-3.715
50	32	212.592	218.169	-5.577
50	33	218.124	222.813	-4.689
50	34	212.552	216.771	-4.219
55	40	217.626	222.841	-5.215
55	41	213.211	218.857	-5.646
55	42	209.366	215.344	-5.977
55	43	212.954	218.344	-5.390
55	44	213.533	218.637	-5.104
Max		218.124	222.841	-0.701
Average		214.653	218.851	-4.198
Min		208.942	213.068	-8.186
Std Dev		2.732	2.343	1.769



47.3 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	292				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	218.012	213.069	216.108	216.771	215.344
Average	218.685	218.064	219.109	219.524	218.804
Max	219.307	221.677	221.759	222.813	222.841
UL	292.000	292.000	292.000	292.000	292.000

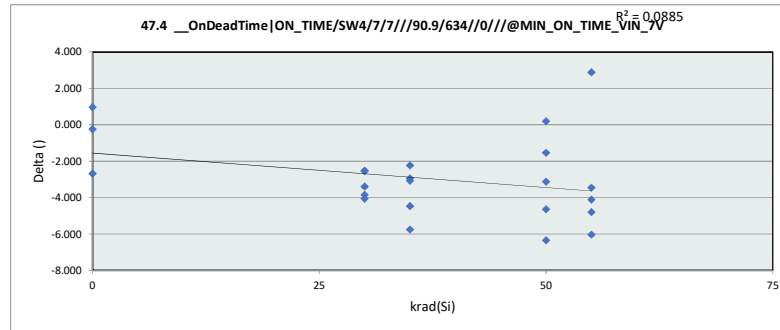


TID HDR Report

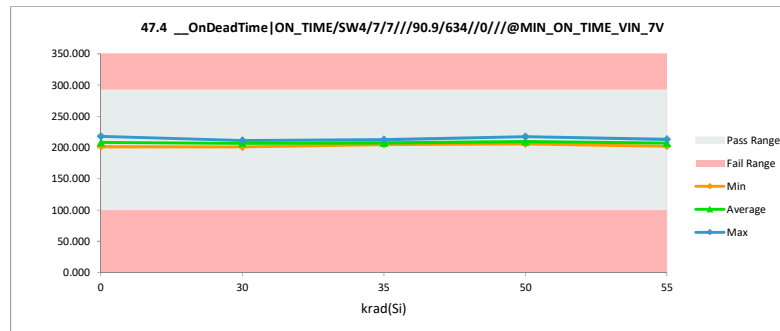
TPS7H4104-SEP

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

47.4 __OnDeadTime ON_TIME/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit	320	292		
Min Limit	100	100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	204.937	205.187	-0.250
0	2	215.089	217.778	-2.689
0	3	202.336	201.373	0.963
30	11	204.646	208.504	-3.858
30	12	204.609	207.143	-2.534
30	13	207.110	211.182	-4.072
30	14	203.901	206.451	-2.550
30	15	197.450	200.849	-3.399
35	16	202.524	204.768	-2.243
35	17	201.641	206.114	-4.472
35	18	202.212	207.971	-5.759
35	19	203.038	206.116	-3.077
35	20	209.674	212.616	-2.943
50	30	204.193	205.737	-1.544
50	31	205.593	208.727	-3.135
50	32	202.641	207.285	-4.644
50	33	211.020	217.370	-6.350
50	34	208.176	207.994	0.182
55	40	205.204	208.662	-3.458
55	41	195.960	202.000	-6.040
55	42	199.796	204.597	-4.801
55	43	208.967	213.082	-4.115
55	44	209.827	206.948	2.878
Max		215.089	217.778	2.878
Average		204.806	207.759	-2.953
Min		195.960	200.849	-6.350
Std Dev		4.383	4.362	2.244



47.4 __OnDeadTime ON_TIME/					
Test Site					
Tester					
Test Number					
Max Limit	292				
Min Limit	100				
krad(Si)	0	30	35	50	55
LL	100.000	100.000	100.000	100.000	100.000
Min	201.373	200.849	204.768	205.737	202.000
Average	208.113	206.826	207.517	209.423	207.058
Max	217.778	211.182	212.616	217.370	213.082
UL	292.000	292.000	292.000	292.000	292.000

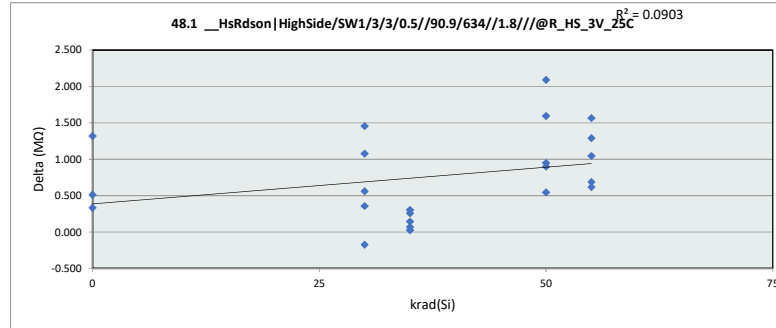


TID HDR Report

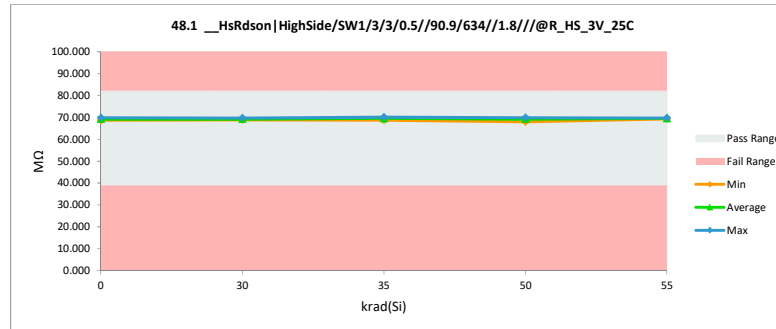
TPS7H4104-SEP

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

48.1 __HsRdson HighSide/SW1				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	88	82		
Min Limit	39	39		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	69.960	68.643	1.317
0	2	69.733	69.225	0.508
0	3	70.151	69.820	0.331
30	11	69.938	68.863	1.075
30	12	69.623	69.269	0.354
30	13	69.877	69.319	0.558
30	14	70.431	68.979	1.453
30	15	69.536	69.713	-0.177
35	16	70.044	70.021	0.023
35	17	70.384	70.083	0.301
35	18	68.945	68.803	0.141
35	19	69.942	69.875	0.067
35	20	69.015	68.761	0.254
50	30	70.150	69.204	0.946
50	31	70.710	69.118	1.592
50	32	70.771	69.874	0.896
50	33	70.367	69.824	0.543
50	34	70.030	67.944	2.086
55	40	70.832	69.790	1.042
55	41	70.282	69.596	0.686
55	42	71.201	69.639	1.562
55	43	70.610	69.324	1.286
55	44	70.024	69.410	0.614
Max		71.201	70.083	2.086
Average		70.111	69.352	0.759
Min		68.945	67.944	-0.177
Std Dev		0.542	0.525	0.590



48.1 __HsRdson HighSide/SW1					
Test Site					
Tester					
Test Number					
Max Limit	82	MΩ			
Min Limit	39	MΩ			
krad(Si)	0	30	35	50	55
LL	39.000	39.000	39.000	39.000	39.000
Min	68.643	68.863	68.761	67.944	69.324
Average	69.229	69.229	69.509	69.193	69.552
Max	69.820	69.713	70.083	69.875	69.790
UL	82.000	82.000	82.000	82.000	82.000

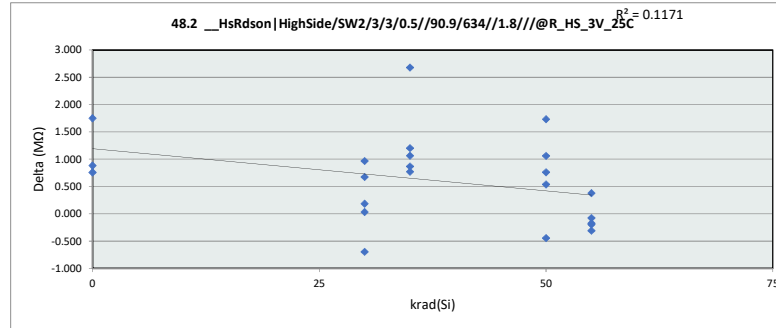


TID HDR Report

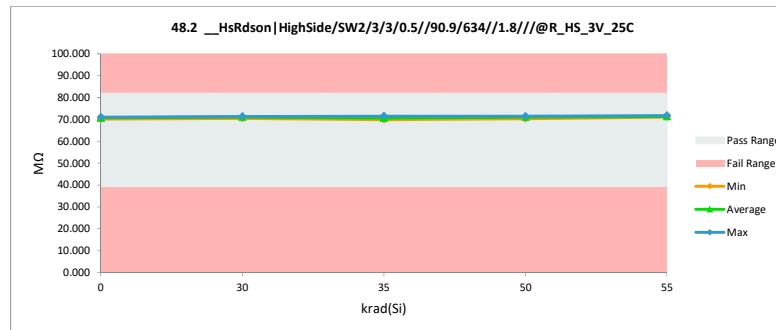
TPS7H4104-SEP

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

48.2 __HsRdson HighSide/SW2				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	88	82		
Min Limit	39	39		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	71.683	70.931	0.752
0	2	71.875	70.998	0.877
0	3	72.008	70.261	1.747
30	11	71.437	70.474	0.963
30	12	71.875	71.206	0.669
30	13	70.680	71.380	-0.700
30	14	71.401	71.374	0.027
30	15	71.381	71.203	0.178
35	16	72.369	71.507	0.862
35	17	71.101	69.904	1.198
35	18	72.566	69.893	2.673
35	19	72.364	71.306	1.058
35	20	71.413	70.647	0.766
50	30	71.850	70.794	1.055
50	31	70.934	71.381	-0.448
50	32	71.932	71.396	0.535
50	33	71.828	71.072	0.756
50	34	72.052	70.324	1.728
55	40	71.647	71.275	0.373
55	41	71.364	71.565	-0.201
55	42	71.446	71.761	-0.315
55	43	70.997	71.176	-0.179
55	44	70.923	71.004	-0.081
Max		72.566	71.761	2.673
Average		71.614	70.993	0.621
Min		70.680	69.893	-0.700
Std Dev		0.498	0.518	0.795



48.2 __HsRdson HighSide/SW2					
Test Site					
Tester					
Test Number					
Max Limit	82	MΩ			
Min Limit	39	MΩ			
krad(Si)	0	30	35	50	55
LL	39.000	39.000	39.000	39.000	39.000
Min	70.261	70.474	69.893	70.324	71.004
Average	70.730	71.127	70.651	70.994	71.356
Max	70.998	71.380	71.508	71.396	71.762
UL	82.000	82.000	82.000	82.000	82.000

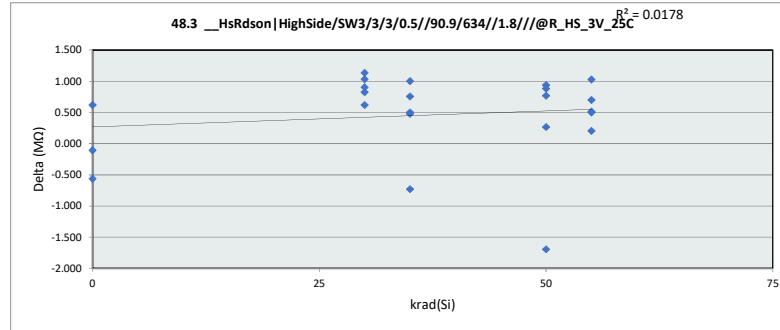


TID HDR Report

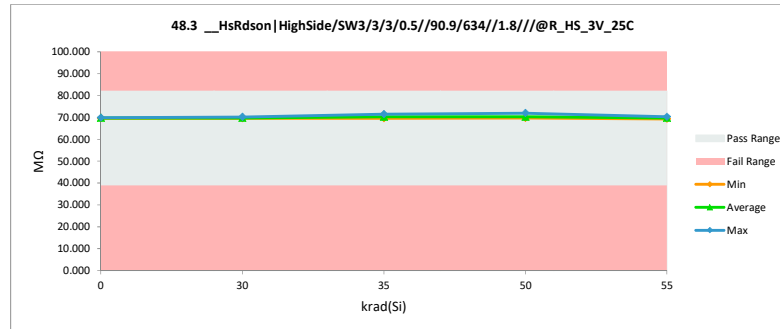
TPS7H4104-SEP

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

48.3 __HsRdson HighSide/SW3				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	88		82	
Min Limit	39		39	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	70.530	69.914	0.616
0	2	68.950	69.516	-0.567
0	3	69.802	69.910	-0.108
30	11	70.669	69.638	1.031
30	12	70.392	69.571	0.821
30	13	70.655	69.523	1.132
30	14	71.098	70.196	0.902
30	15	70.725	70.108	0.617
35	16	70.876	70.399	0.476
35	17	70.756	71.488	-0.732
35	18	70.083	69.584	0.499
35	19	70.523	69.769	0.754
35	20	71.013	70.014	0.999
50	30	70.658	69.892	0.766
50	31	69.972	69.707	0.265
50	32	70.816	69.881	0.935
50	33	70.939	70.060	0.879
50	34	70.257	71.953	-1.696
55	40	70.306	70.106	0.200
55	41	70.607	69.583	1.024
55	42	69.795	69.299	0.496
55	43	70.984	70.288	0.696
55	44	70.332	69.820	0.512
Max		71.098	71.953	1.132
Average		70.467	70.010	0.457
Min		68.950	69.299	-1.696
Std Dev		0.498	0.609	0.673



48.3 __HsRdson HighSide/SW3					
Test Site					
Tester					
Test Number					
Max Limit	82		MΩ		
Min Limit	39		MΩ		
krad(Si)	0	30	35	50	55
LL	39.000	39.000	39.000	39.000	39.000
Min	69.516	69.523	69.584	69.707	69.299
Average	69.780	69.807	70.251	70.299	69.819
Max	69.914	70.196	71.488	71.953	70.288
UL	82.000	82.000	82.000	82.000	82.000

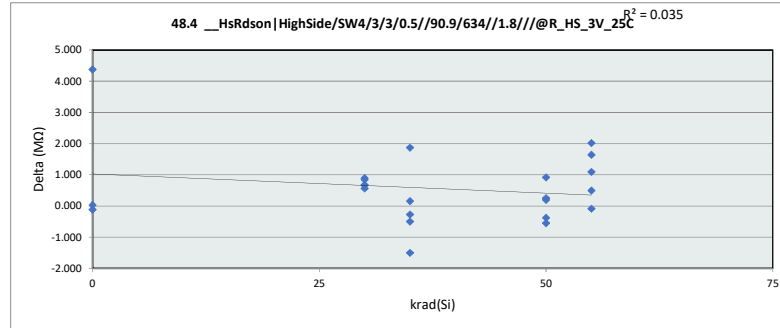


TID HDR Report

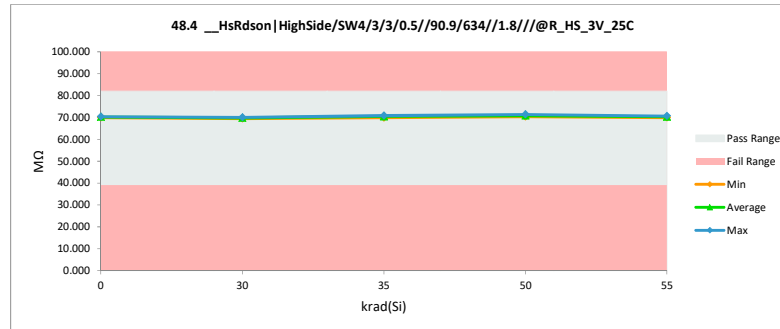
TPS7H4104-SEP

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

48.4 __HsRdson HighSide/SW4				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	88		82	
Min Limit	39		39	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	70.249	70.370	-0.121
0	2	74.291	69.924	4.367
0	3	70.245	70.222	0.023
30	11	70.785	69.945	0.840
30	12	70.501	69.829	0.672
30	13	70.020	69.464	0.556
30	14	70.587	69.699	0.888
30	15	70.665	70.003	0.662
35	16	70.669	70.520	0.148
35	17	71.737	69.874	1.864
35	18	68.701	70.207	-1.507
35	19	69.934	70.440	-0.506
35	20	70.559	70.837	-0.278
50	30	70.518	70.902	-0.384
50	31	70.614	70.366	0.248
50	32	70.796	71.350	-0.555
50	33	71.521	70.607	0.914
50	34	71.025	70.838	0.187
55	40	71.136	70.648	0.487
55	41	70.220	70.314	-0.093
55	42	71.965	69.953	2.012
55	43	71.985	70.352	1.632
55	44	71.001	69.915	1.086
Max		74.291	71.350	4.367
Average		70.857	70.286	0.571
Min		68.701	69.464	-1.507
Std Dev		1.034	0.449	1.166



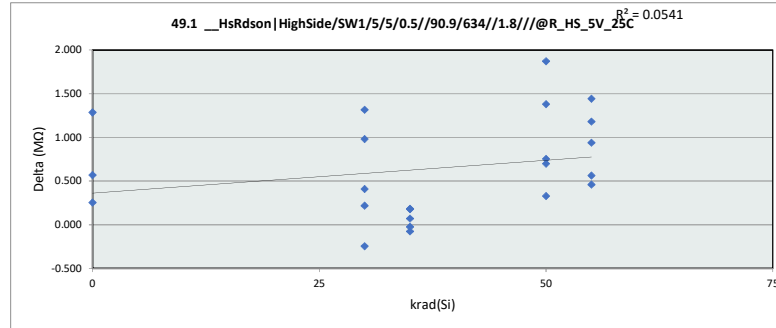
48.4 __HsRdson HighSide/SW4					
Test Site					
Tester					
Test Number					
Max Limit	82		MΩ		
Min Limit	39		MΩ		
krad(Si)	0	30	35	50	55
LL	39.000	39.000	39.000	39.000	39.000
Min	69.925	69.464	69.874	70.366	69.915
Average	70.172	69.788	70.376	70.813	70.237
Max	70.370	70.003	70.837	71.350	70.648
UL	82.000	82.000	82.000	82.000	82.000



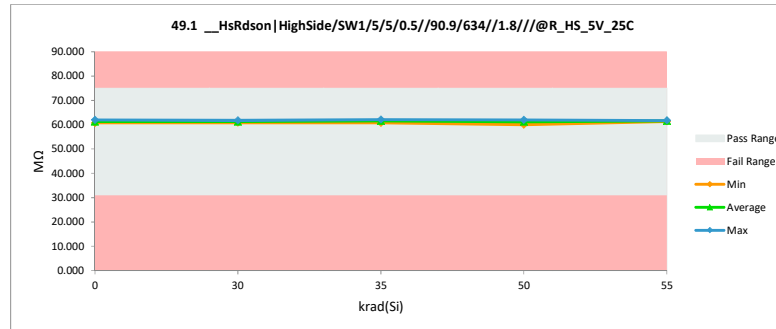
TID HDR Report
TPS7H4104-SEP

kRad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

49.1 __HsRdson HighSide/SW1				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	80		75	
Min Limit	31		31	
kRad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	62.048	60.764	1.284
0	2	61.816	61.249	0.567
0	3	62.221	61.969	0.252
30	11	61.814	60.833	0.981
30	12	61.630	61.413	0.217
30	13	61.647	61.239	0.408
30	14	62.314	60.999	1.315
30	15	61.532	61.778	-0.246
35	16	62.004	62.082	-0.078
35	17	62.245	62.066	0.179
35	18	61.090	61.019	0.071
35	19	61.829	61.853	-0.024
35	20	60.945	60.765	0.180
50	30	62.095	61.341	0.754
50	31	62.485	61.107	1.378
50	32	62.639	61.940	0.699
50	33	62.168	61.840	0.328
50	34	61.914	60.044	1.870
55	40	62.667	61.729	0.938
55	41	62.125	61.563	0.562
55	42	63.164	61.722	1.442
55	43	62.541	61.362	1.179
55	44	61.838	61.379	0.459
Max		63.164	62.082	1.870
Average		62.034	61.394	0.640
Min		60.945	60.044	-0.246
Std Dev		0.501	0.510	0.568



49.1 __HsRdson HighSide/SW1					
Test Site					
Tester					
Test Number					
Max Limit	75		MΩ		
Min Limit	31		MΩ		
kRad(Si)	0	30	35	50	55
LL	31.000	31.000	31.000	31.000	31.000
Min	60.764	60.833	60.765	60.044	61.362
Average	61.327	61.253	61.557	61.254	61.551
Max	61.969	61.779	62.082	61.941	61.729
UL	75.000	75.000	75.000	75.000	75.000

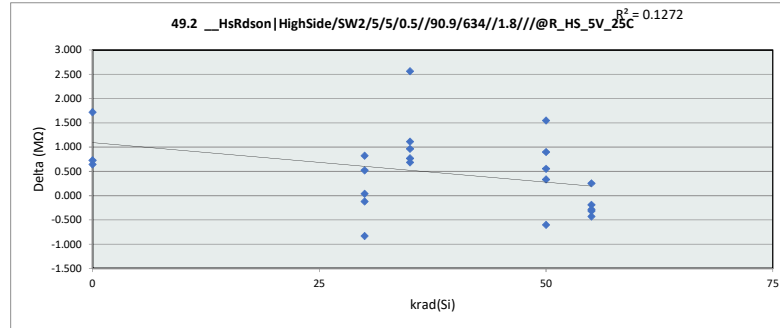


TID HDR Report

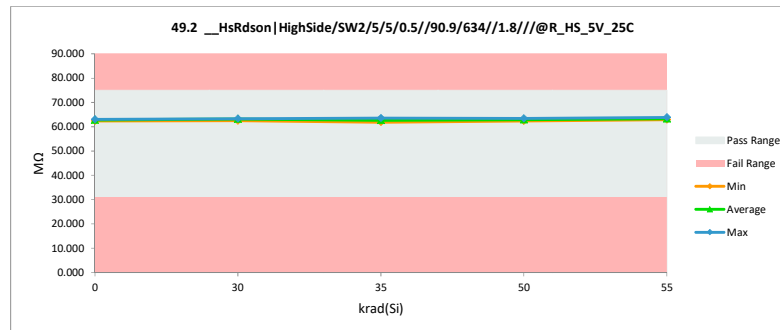
TPS7H4104-SEP

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

49.2 __HsRdson HighSide/SW2				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	80		75	
Min Limit	31		31	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	63.752	63.027	0.725
0	2	63.659	63.017	0.642
0	3	64.092	62.376	1.716
30	11	63.267	62.450	0.817
30	12	63.836	63.317	0.519
30	13	62.437	63.271	-0.834
30	14	63.226	63.350	-0.124
30	15	63.356	63.322	0.034
35	16	64.268	63.505	0.763
35	17	62.970	61.859	1.111
35	18	64.662	62.102	2.560
35	19	64.181	63.221	0.960
35	20	63.253	62.570	0.682
50	30	63.705	62.809	0.896
50	31	62.662	63.270	-0.607
50	32	63.719	63.388	0.331
50	33	63.583	63.032	0.550
50	34	63.932	62.387	1.546
55	40	63.456	63.208	0.248
55	41	63.212	63.499	-0.286
55	42	63.394	63.826	-0.432
55	43	62.858	63.179	-0.321
55	44	62.676	62.868	-0.192
Max		64.662	63.826	2.560
Average		63.485	62.994	0.491
Min		62.437	61.859	-0.834
Std Dev		0.554	0.493	0.803



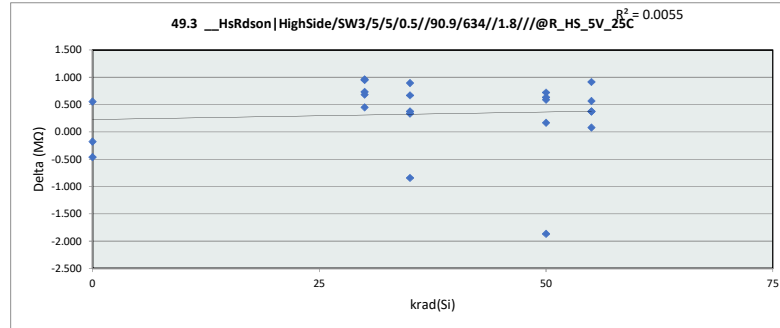
49.2 __HsRdson HighSide/SW2					
Test Site					
Tester					
Test Number					
Max Limit	75		MΩ		
Min Limit	31		MΩ		
krad(Si)	0	30	35	50	55
LL	31.000	31.000	31.000	31.000	31.000
Min	62.376	62.450	61.859	62.387	62.868
Average	62.806	63.142	62.652	62.977	63.316
Max	63.027	63.350	63.505	63.388	63.826
UL	75.000	75.000	75.000	75.000	75.000



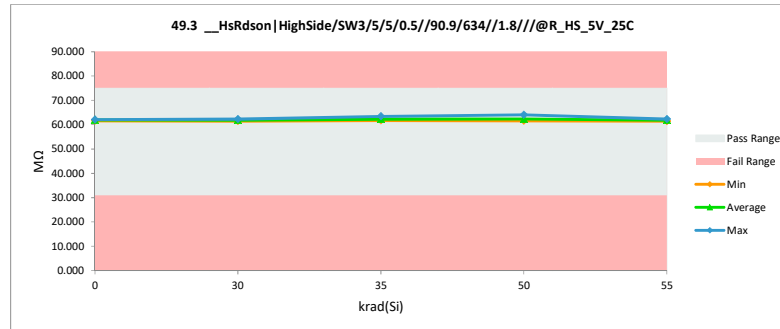
TID HDR Report
TPS7H4104-SEP

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

49.3 __HsRdson HighSide/SW3				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	80		75	
Min Limit	31		31	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	62.614	62.064	0.551
0	2	61.125	61.592	-0.467
0	3	61.877	62.060	-0.183
30	11	62.582	61.636	0.946
30	12	62.348	61.669	0.679
30	13	62.419	61.460	0.959
30	14	62.953	62.223	0.730
30	15	62.710	62.262	0.447
35	16	62.828	62.456	0.372
35	17	62.626	63.472	-0.846
35	18	62.147	61.818	0.329
35	19	62.350	61.684	0.667
35	20	62.846	61.953	0.893
50	30	62.492	61.908	0.584
50	31	61.799	61.637	0.162
50	32	62.631	61.913	0.717
50	33	62.701	62.073	0.628
50	34	62.159	64.029	-1.871
55	40	62.126	62.051	0.075
55	41	62.484	61.575	0.909
55	42	61.801	61.428	0.373
55	43	62.853	62.292	0.562
55	44	62.121	61.752	0.369
Max		62.953	64.029	0.959
Average		62.374	62.044	0.330
Min		61.125	61.428	-1.871
Std Dev		0.435	0.611	0.656



49.3 __HsRdson HighSide/SW3					
Test Site					
Tester					
Test Number					
Max Limit	75		MΩ		
Min Limit	31		MΩ		
krad(Si)	0	30	35	50	55
LL	31.000	31.000	31.000	31.000	31.000
Min	61.592	61.460	61.684	61.637	61.428
Average	61.905	61.850	62.277	62.312	61.820
Max	62.064	62.262	63.472	64.029	62.292
UL	75.000	75.000	75.000	75.000	75.000

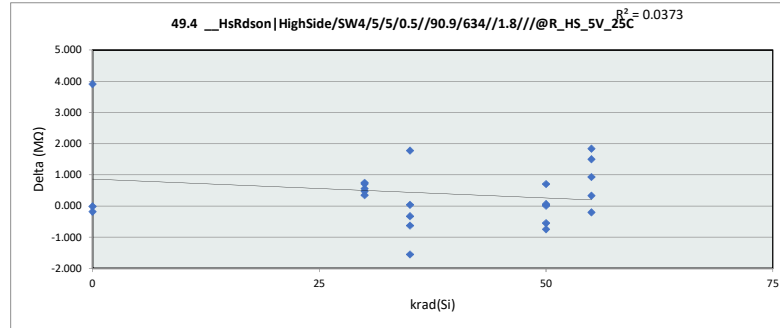


TID HDR Report

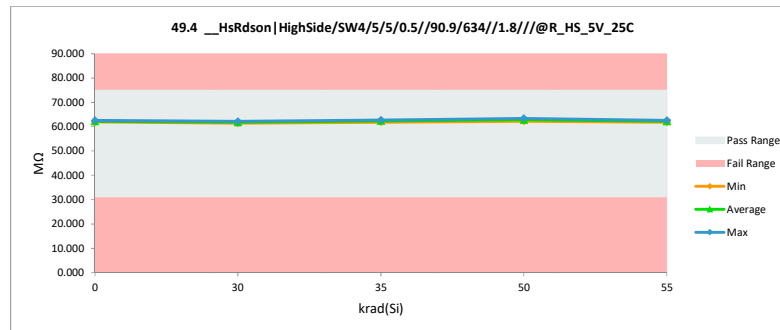
TPS7H4104-SEP

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

49.4 __HsRdson HighSide/SW4				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	80		75	
Min Limit	31		31	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	62.323	62.508	-0.185
0	2	65.867	61.964	3.902
0	3	62.327	62.342	-0.015
30	11	62.616	61.912	0.704
30	12	62.464	61.910	0.554
30	13	61.788	61.444	0.344
30	14	62.443	61.703	0.740
30	15	62.675	62.208	0.467
35	16	62.622	62.585	0.037
35	17	63.641	61.866	1.775
35	18	60.859	62.414	-1.555
35	19	61.760	62.391	-0.632
35	20	62.458	62.789	-0.331
50	30	62.385	62.937	-0.551
50	31	62.349	62.289	0.060
50	32	62.630	63.377	-0.748
50	33	63.350	62.651	0.699
50	34	62.941	62.934	0.007
55	40	62.942	62.614	0.328
55	41	62.076	62.283	-0.207
55	42	63.864	62.028	1.837
55	43	63.894	62.396	1.497
55	44	62.783	61.855	0.927
Max		65.867	63.377	3.902
Average		62.742	62.322	0.420
Min		60.859	61.444	-1.555
Std Dev		0.963	0.455	1.107



49.4 __HsRdson HighSide/SW4					
Test Site					
Tester					
Test Number					
Max Limit	75		MΩ		
Min Limit	31		MΩ		
krad(Si)	0	30	35	50	55
LL	31.000	31.000	31.000	31.000	31.000
Min	61.964	61.444	61.866	62.289	61.855
Average	62.272	61.835	62.409	62.838	62.235
Max	62.508	62.208	62.789	63.378	62.614
UL	75.000	75.000	75.000	75.000	75.000

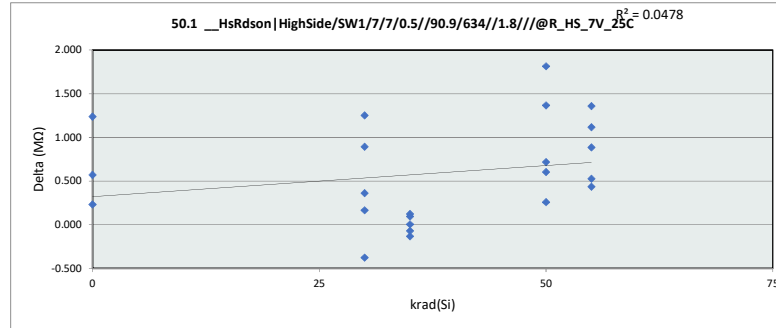


TID HDR Report

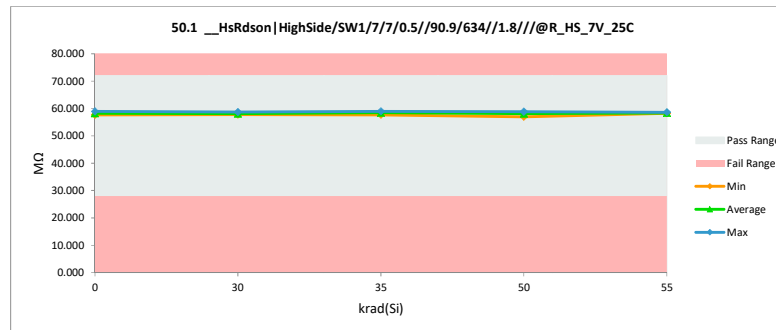
TPS7H4104-SEP

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

50.1 __HsRdson HighSide/SW1				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	76	72		
Min Limit	28	28		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	58.934	57.697	1.238
0	2	58.721	58.151	0.570
0	3	59.131	58.898	0.233
30	11	58.623	57.731	0.892
30	12	58.521	58.356	0.165
30	13	58.449	58.088	0.361
30	14	59.168	57.916	1.252
30	15	58.317	58.693	-0.376
35	16	58.840	58.973	-0.132
35	17	59.074	58.951	0.123
35	18	57.982	57.977	0.005
35	19	58.655	58.727	-0.071
35	20	57.786	57.691	0.095
50	30	58.979	58.262	0.717
50	31	59.328	57.962	1.366
50	32	59.465	58.864	0.602
50	33	58.997	58.739	0.257
50	34	58.785	56.971	1.813
55	40	59.474	58.590	0.884
55	41	58.956	58.429	0.527
55	42	59.989	58.631	1.358
55	43	59.374	58.259	1.116
55	44	58.675	58.240	0.435
Max		59.989	58.973	1.813
Average		58.879	58.295	0.584
Min		57.786	56.971	-0.376
Std Dev		0.496	0.503	0.573



50.1 __HsRdson HighSide/SW1					
Test Site					
Tester					
Test Number					
Max Limit	72	MΩ			
Min Limit	28	MΩ			
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	57.697	57.731	57.691	56.971	58.240
Average	58.249	58.157	58.464	58.160	58.430
Max	58.898	58.693	58.973	58.864	58.631
UL	72.000	72.000	72.000	72.000	72.000

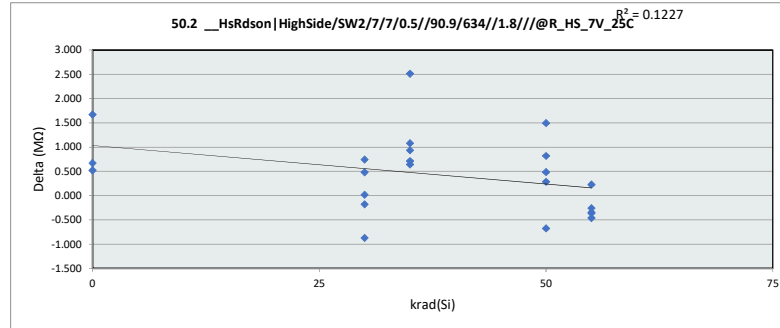


TID HDR Report

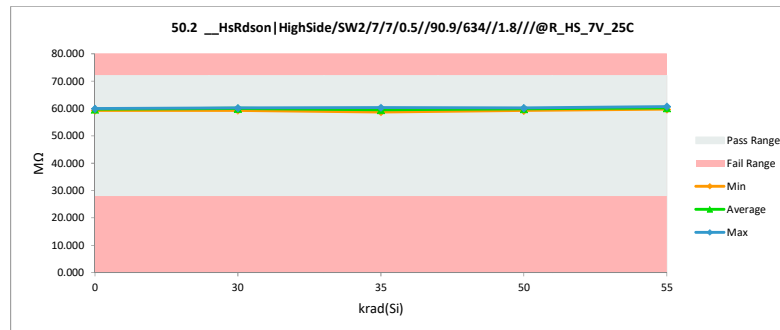
TPS7H4104-SEP

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

50.2 __HsRdson HighSide / SW2				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	76	72		
Min Limit	28	28		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	60.653	59.976	0.677
0	2	60.451	59.923	0.528
0	3	61.015	59.337	1.678
30	11	60.093	59.344	0.749
30	12	60.717	60.231	0.486
30	13	59.256	60.121	-0.865
30	14	60.062	60.233	-0.171
30	15	60.247	60.225	0.022
35	16	61.115	60.396	0.719
35	17	59.842	58.758	1.084
35	18	61.579	59.060	2.519
35	19	61.019	60.079	0.940
35	20	60.072	59.425	0.647
50	30	60.550	59.726	0.824
50	31	59.484	60.153	-0.669
50	32	60.565	60.272	0.293
50	33	60.411	59.921	0.490
50	34	60.796	59.297	1.498
55	40	60.288	60.054	0.234
55	41	60.035	60.374	-0.339
55	42	60.278	60.732	-0.454
55	43	59.719	60.076	-0.356
55	44	59.488	59.742	-0.254
Max		61.579	60.732	2.519
Average		60.336	59.889	0.447
Min		59.256	58.758	-0.865
Std Dev		0.572	0.482	0.802



50.2 __HsRdson HighSide / SW2					
Test Site					
Tester					
Test Number					
Max Limit	72	MΩ			
Min Limit	28	MΩ			
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	59.337	59.344	58.758	59.297	59.742
Average	59.746	60.031	59.544	59.874	60.196
Max	59.976	60.233	60.396	60.272	60.732
UL	72.000	72.000	72.000	72.000	72.000

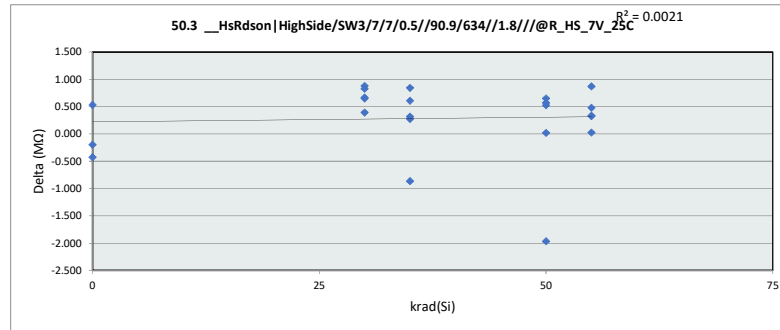


TID HDR Report

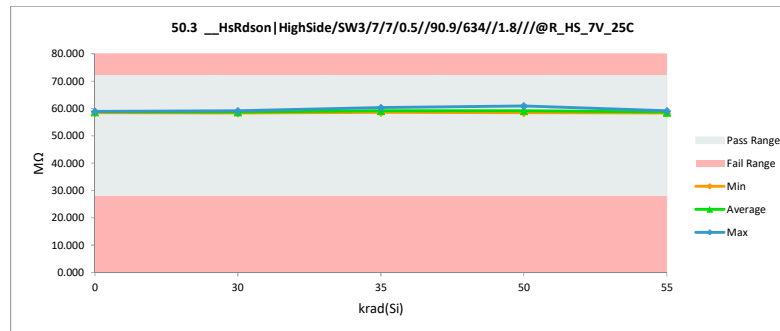
TPS7H4104-SEP

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

50.3 __HsRdson HighSide/SW3				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	76		72	
Min Limit	28		28	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	59.500	58.963	0.537
0	2	58.061	58.480	-0.418
0	3	58.781	58.972	-0.191
30	11	59.337	58.503	0.833
30	12	59.238	58.579	0.659
30	13	59.213	58.327	0.885
30	14	59.780	59.108	0.673
30	15	59.583	59.184	0.398
35	16	59.676	59.350	0.325
35	17	59.486	60.342	-0.856
35	18	59.048	58.768	0.280
35	19	59.153	58.537	0.616
35	20	59.657	58.807	0.850
50	30	59.332	58.800	0.532
50	31	58.513	58.486	0.027
50	32	59.471	58.813	0.658
50	33	59.517	58.939	0.578
50	34	59.009	60.970	-1.961
55	40	58.931	58.898	0.033
55	41	59.342	58.465	0.877
55	42	58.683	58.348	0.335
55	43	59.687	59.200	0.487
55	44	58.925	58.587	0.337
Max		59.780	60.970	0.885
Average		59.214	58.932	0.282
Min		58.061	58.327	-1.961
Std Dev		0.425	0.621	0.651



50.3 __HsRdson HighSide/SW3					
Test Site					
Tester					
Test Number					
Max Limit	72		MΩ		
Min Limit	28		MΩ		
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	58.480	58.327	58.537	58.486	58.348
Average	58.805	58.740	59.161	59.202	58.700
Max	58.972	59.184	60.342	60.970	59.200
UL	72.000	72.000	72.000	72.000	72.000

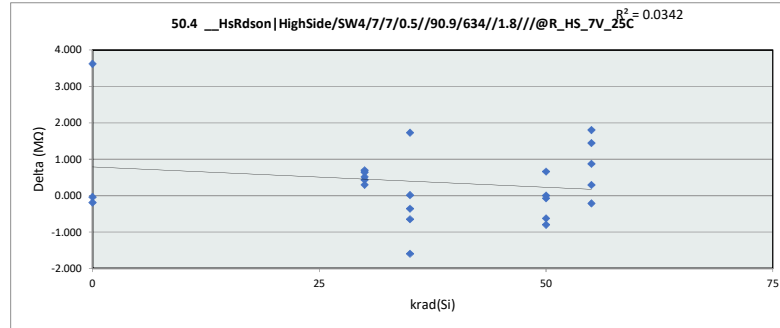


TID HDR Report

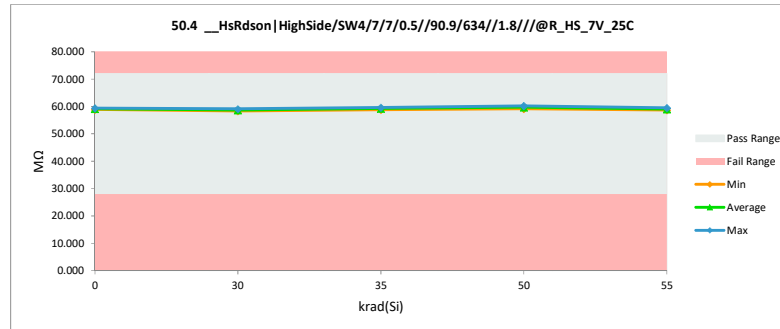
TPS7H4104-SEP

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

50.4 __HsRdson HighSide / SW4				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	76		72	
Min Limit	28		28	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	59.262	59.441	-0.179
0	2	62.525	58.896	3.628
0	3	59.256	59.286	-0.030
30	11	59.455	58.804	0.652
30	12	59.372	58.849	0.523
30	13	58.623	58.314	0.309
30	14	59.296	58.592	0.704
30	15	59.571	59.127	0.444
35	16	59.487	59.465	0.023
35	17	60.487	58.750	1.736
35	18	57.800	59.389	-1.589
35	19	58.605	59.248	-0.642
35	20	59.311	59.662	-0.352
50	30	59.247	59.864	-0.617
50	31	59.157	59.145	0.012
50	32	59.475	60.264	-0.790
50	33	60.190	59.521	0.669
50	34	59.820	59.887	-0.067
55	40	59.784	59.482	0.302
55	41	58.942	59.147	-0.205
55	42	60.725	58.915	1.810
55	43	60.751	59.298	1.454
55	44	59.619	58.738	0.882
Max		62.525	60.264	3.628
Average		59.598	59.221	0.377
Min		57.800	58.314	-1.589
Std Dev		0.925	0.460	1.071



50.4 __HsRdson HighSide / SW4					
Test Site					
Tester					
Test Number					
Max Limit	72		MΩ		
Min Limit	28		MΩ		
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	58.896	58.314	58.751	59.145	58.738
Average	59.208	58.737	59.303	59.736	59.116
Max	59.441	59.127	59.662	60.264	59.482
UL	72.000	72.000	72.000	72.000	72.000

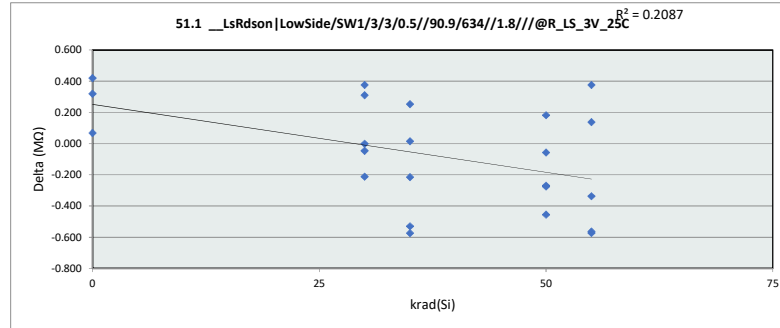


TID HDR Report

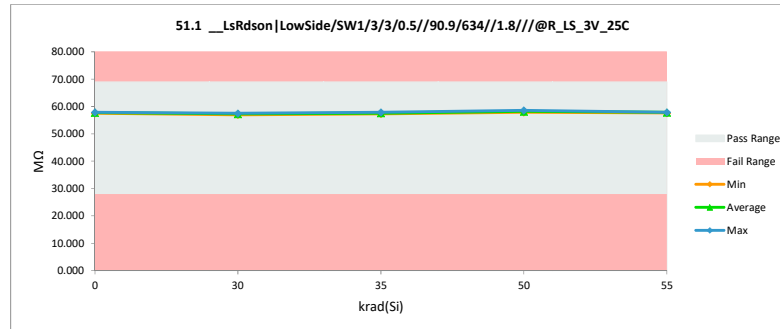
TPS7H4104-SEP

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

51.1 __LsRdson LowSide/SW1/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	68	69		
Min Limit	28	28		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	57.917	57.596	0.321
0	2	58.304	57.882	0.422
0	3	58.001	57.931	0.070
30	11	57.356	57.043	0.313
30	12	57.356	57.565	-0.210
30	13	57.005	57.004	0.000
30	14	57.375	57.419	-0.045
30	15	57.876	57.498	0.378
35	16	57.830	57.575	0.255
35	17	57.328	57.311	0.017
35	18	57.140	57.668	-0.528
35	19	57.691	57.905	-0.214
35	20	56.846	57.417	-0.572
50	30	57.874	58.148	-0.274
50	31	58.314	58.130	0.183
50	32	58.350	58.617	-0.267
50	33	57.650	58.104	-0.454
50	34	57.891	57.947	-0.056
55	40	57.372	57.944	-0.572
55	41	57.567	57.902	-0.335
55	42	58.048	57.670	0.378
55	43	58.001	57.862	0.139
55	44	57.201	57.763	-0.562
Max		58.350	58.617	0.422
Average		57.665	57.735	-0.070
Min		56.846	57.004	-0.572
Std Dev		0.426	0.369	0.336



51.1 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	69	MΩ			
Min Limit	28	MΩ			
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	57.596	57.004	57.311	57.947	57.670
Average	57.803	57.306	57.575	58.189	57.828
Max	57.931	57.565	57.905	58.617	57.944
UL	69.000	69.000	69.000	69.000	69.000

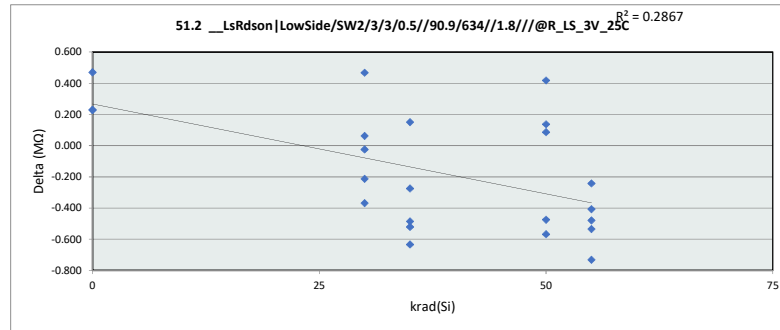


TID HDR Report

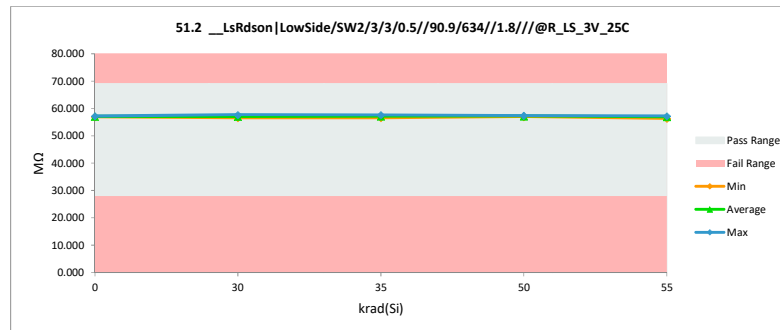
TPS7H4104-SEP

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

51.2 __LsRdson LowSide/SW2/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	68	69		
Min Limit	28	28		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	57.472	57.240	0.231
0	2	57.430	57.199	0.230
0	3	57.449	56.977	0.472
30	11	57.105	56.635	0.469
30	12	57.410	57.345	0.064
30	13	56.499	56.710	-0.211
30	14	56.964	56.986	-0.022
30	15	57.365	57.731	-0.366
35	16	57.031	57.662	-0.631
35	17	56.587	57.106	-0.519
35	18	57.126	57.399	-0.272
35	19	56.720	57.203	-0.483
35	20	56.756	56.603	0.153
50	30	57.258	57.170	0.088
50	31	56.457	57.023	-0.566
50	32	56.953	57.425	-0.472
50	33	57.496	57.357	0.139
50	34	57.801	57.381	0.420
55	40	56.727	57.204	-0.477
55	41	56.511	56.916	-0.405
55	42	56.711	57.243	-0.532
55	43	56.425	57.155	-0.730
55	44	56.100	56.340	-0.240
Max		57.801	57.731	0.472
Average		56.972	57.131	-0.159
Min		56.100	56.340	-0.730
Std Dev		0.440	0.333	0.379



51.2 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	69	MΩ			
Min Limit	28	MΩ			
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	56.977	56.635	56.603	57.023	56.340
Average	57.139	57.081	57.195	57.271	56.971
Max	57.240	57.731	57.662	57.425	57.243
UL	69.000	69.000	69.000	69.000	69.000

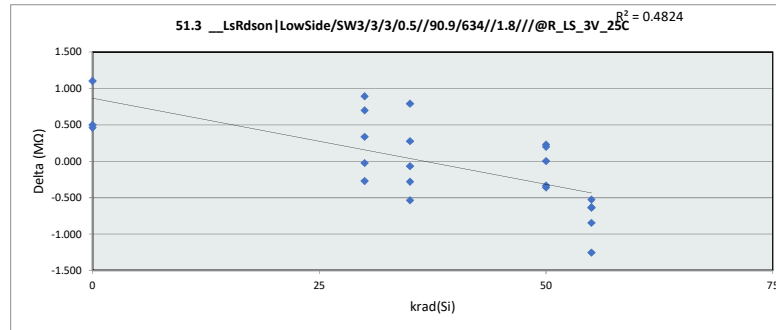


TID HDR Report

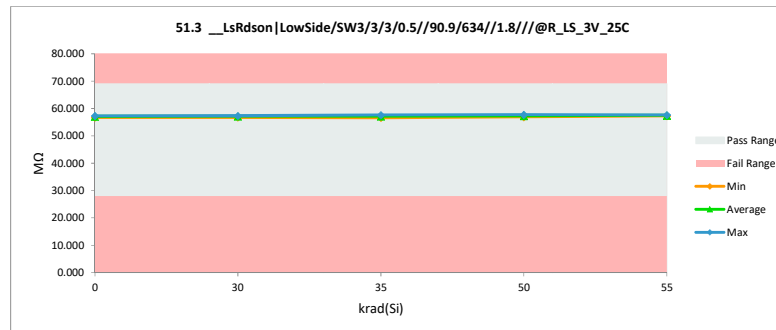
TPS7H4104-SEP

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

51.3 __LsRdson LowSide/SW3/				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	68		69	
Min Limit	28		28	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	58.307	57.201	1.106
0	2	57.264	56.799	0.465
0	3	57.842	57.340	0.502
30	11	57.501	56.799	0.702
30	12	57.709	57.369	0.340
30	13	56.698	56.965	-0.267
30	14	57.243	57.263	-0.020
30	15	58.209	57.312	0.897
35	16	57.354	57.075	0.280
35	17	56.867	57.144	-0.277
35	18	57.568	57.631	-0.063
35	19	56.774	57.307	-0.533
35	20	57.447	56.652	0.795
50	30	57.822	57.589	0.233
50	31	56.573	56.902	-0.329
50	32	57.399	57.392	0.006
50	33	57.260	57.057	0.203
50	34	57.410	57.766	-0.357
55	40	57.129	57.651	-0.522
55	41	56.709	57.339	-0.629
55	42	56.989	57.623	-0.634
55	43	56.848	57.689	-0.841
55	44	56.014	57.264	-1.250
	Max	58.307	57.766	1.106
	Average	57.258	57.266	-0.008
	Min	56.014	56.652	-1.250
	Std Dev	0.539	0.310	0.600



51.3 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	69		MΩ		
Min Limit	28		MΩ		
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	56.799	56.799	56.652	56.902	57.264
Average	57.113	57.142	57.162	57.341	57.513
Max	57.340	57.369	57.631	57.766	57.690
UL	69.000	69.000	69.000	69.000	69.000

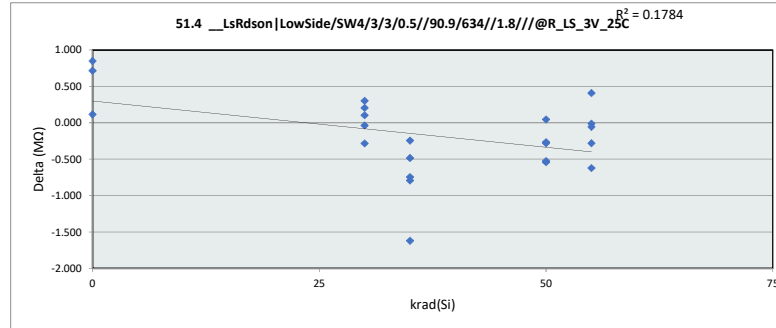


TID HDR Report

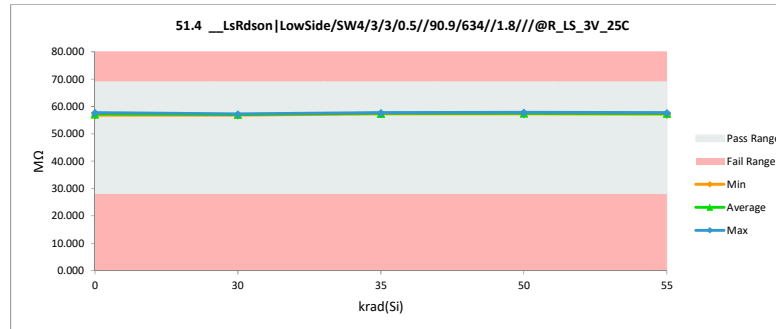
TPS7H4104-SEP

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

51.4 __LsRdson LowSide/SW4/				
Test Site				
Tester				
Test Number				
Unit		MΩ	MΩ	
Max Limit		68	69	
Min Limit		28	28	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	57.749	56.894	0.855
0	2	58.417	57.694	0.722
0	3	57.296	57.175	0.121
30	11	56.933	56.964	-0.031
30	12	57.572	57.263	0.309
30	13	57.019	56.910	0.110
30	14	57.314	57.102	0.213
30	15	56.804	57.082	-0.278
35	16	57.503	57.742	-0.239
35	17	56.609	57.348	-0.739
35	18	56.599	57.385	-0.786
35	19	56.909	57.386	-0.477
35	20	56.096	57.710	-1.614
50	30	57.137	57.656	-0.519
50	31	57.369	57.318	0.051
50	32	57.598	57.858	-0.260
50	33	57.102	57.638	-0.536
50	34	57.167	57.441	-0.275
55	40	56.860	57.135	-0.275
55	41	57.129	57.743	-0.614
55	42	57.875	57.461	0.414
55	43	57.531	57.537	-0.006
55	44	57.301	57.350	-0.049
Max		58.417	57.858	0.855
Average		57.212	57.382	-0.170
Min		56.096	56.894	-1.614
Std Dev		0.486	0.286	0.532



51.4 __LsRdson LowSide/SW4/					
Test Site					
Tester					
Test Number					
Max Limit		69	MΩ		
Min Limit		28	MΩ		
krad(Si)	0	30	35	50	55
LL	28.000	28.000	28.000	28.000	28.000
Min	56.894	56.910	57.349	57.318	57.135
Average	57.254	57.064	57.514	57.582	57.445
Max	57.694	57.263	57.742	57.858	57.743
UL	69.000	69.000	69.000	69.000	69.000

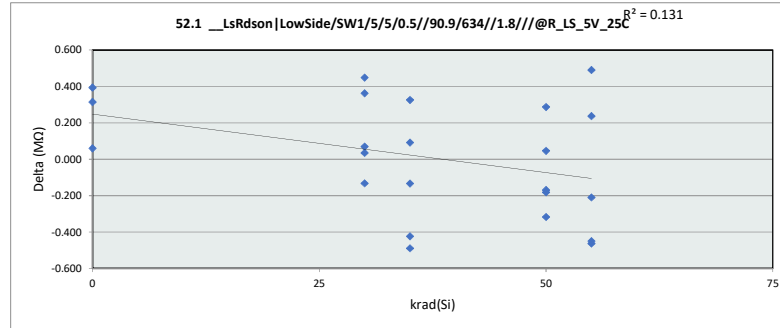


TID HDR Report

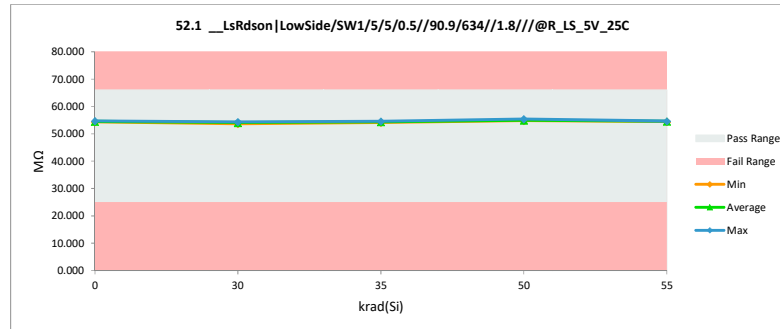
TPS7H4104-SEP

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

52.1 __LsRdson LowSide/SW1/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	64	66		
Min Limit	25	25		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	54.709	54.394	0.316
0	2	54.948	54.553	0.395
0	3	54.822	54.760	0.062
30	11	54.190	53.826	0.364
30	12	54.234	54.365	-0.131
30	13	53.798	53.726	0.072
30	14	54.291	54.254	0.037
30	15	54.858	54.408	0.450
35	16	54.695	54.367	0.328
35	17	54.201	54.107	0.093
35	18	54.084	54.506	-0.422
35	19	54.476	54.607	-0.131
35	20	53.675	54.162	-0.487
50	30	54.756	54.924	-0.167
50	31	55.118	54.829	0.289
50	32	55.246	55.426	-0.179
50	33	54.539	54.854	-0.315
50	34	54.857	54.808	0.049
55	40	54.190	54.651	-0.461
55	41	54.460	54.668	-0.208
55	42	55.010	54.518	0.492
55	43	54.888	54.649	0.239
55	44	54.060	54.507	-0.448
Max		55.246	55.426	0.492
Average		54.526	54.516	0.010
Min		53.675	53.726	-0.487
Std Dev		0.425	0.366	0.314



52.1 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	66	MΩ			
Min Limit	25	MΩ			
krad(Si)	0	30	35	50	55
LL	25.000	25.000	25.000	25.000	25.000
Min	54.394	53.726	54.107	54.808	54.507
Average	54.569	54.116	54.350	54.968	54.599
Max	54.760	54.408	54.607	55.426	54.668
UL	66.000	66.000	66.000	66.000	66.000

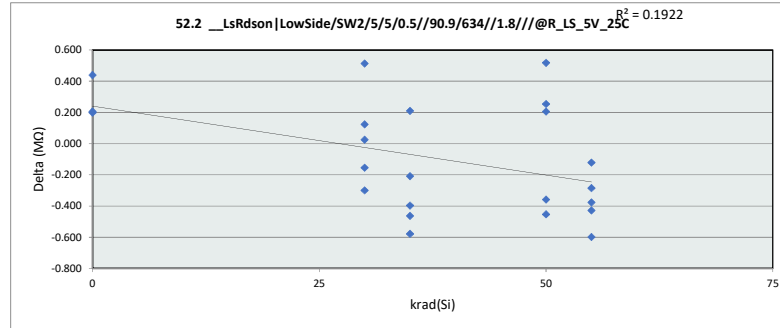


TID HDR Report

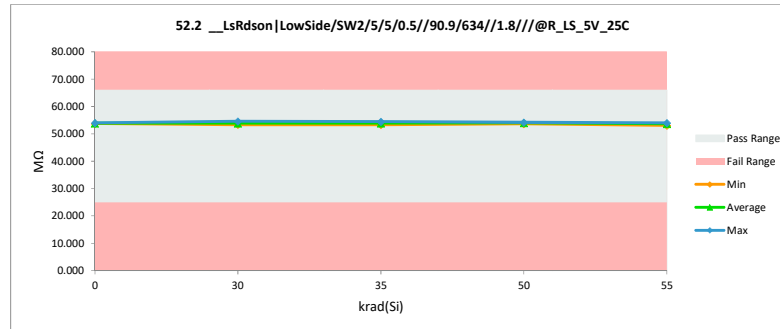
TPS7H4104-SEP

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

52.2 __LsRdson LowSide/SW2/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	64	66		
Min Limit	25	25		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	54.226	54.018	0.208
0	2	54.093	53.892	0.201
0	3	54.215	53.773	0.441
30	11	53.870	53.355	0.515
30	12	54.281	54.155	0.125
30	13	53.262	53.414	-0.152
30	14	53.817	53.789	0.027
30	15	54.273	54.570	-0.298
35	16	53.860	54.437	-0.576
35	17	53.382	53.843	-0.461
35	18	54.050	54.257	-0.207
35	19	53.476	53.871	-0.395
35	20	53.542	53.329	0.213
50	30	54.145	53.937	0.208
50	31	53.250	53.702	-0.451
50	32	53.851	54.208	-0.356
50	33	54.338	54.082	0.256
50	34	54.684	54.164	0.520
55	40	53.491	53.865	-0.374
55	41	53.318	53.602	-0.284
55	42	53.569	53.995	-0.426
55	43	53.361	53.958	-0.597
55	44	52.944	53.063	-0.120
Max		54.684	54.570	0.520
Average		53.795	53.882	-0.086
Min		52.944	53.063	-0.597
Std Dev		0.447	0.361	0.355



52.2 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	66	MΩ			
Min Limit	25	MΩ			
krad(Si)	0	30	35	50	55
LL	25.000	25.000	25.000	25.000	25.000
Min	53.773	53.355	53.329	53.702	53.063
Average	53.894	53.857	53.947	54.018	53.697
Max	54.018	54.571	54.437	54.208	53.995
UL	66.000	66.000	66.000	66.000	66.000

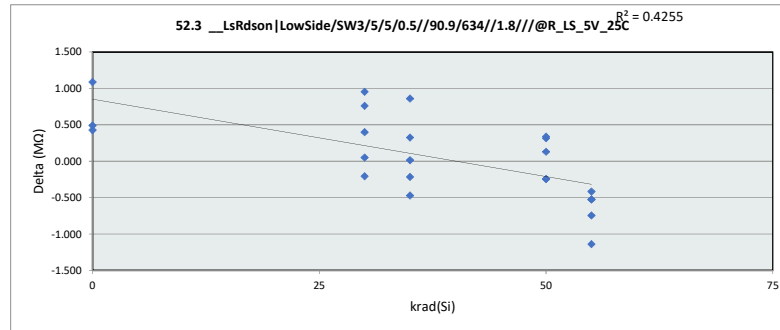


TID HDR Report

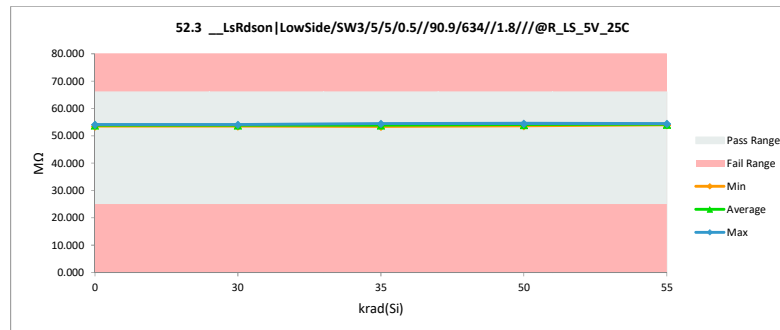
TPS7H4104-SEP

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

52.3 __LsRdson LowSide/SW3/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	64	66		
Min Limit	25	25		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	55.046	53.954	1.093
0	2	53.986	53.553	0.433
0	3	54.652	54.156	0.496
30	11	54.301	53.533	0.768
30	12	54.571	54.167	0.404
30	13	53.473	53.674	-0.201
30	14	54.131	54.075	0.055
30	15	55.125	54.166	0.960
35	16	54.204	53.872	0.333
35	17	53.700	53.911	-0.211
35	18	54.504	54.483	0.021
35	19	53.533	54.000	-0.467
35	20	54.270	53.404	0.866
50	30	54.712	54.368	0.343
50	31	53.392	53.630	-0.238
50	32	54.334	54.198	0.136
50	33	54.114	53.793	0.321
50	34	54.314	54.554	-0.240
55	40	53.914	54.325	-0.411
55	41	53.537	54.055	-0.519
55	42	53.905	54.423	-0.519
55	43	53.789	54.527	-0.739
55	44	52.879	54.014	-1.134
Max		55.125	54.554	1.093
Average		54.104	54.036	0.067
Min		52.879	53.404	-1.134
Std Dev		0.546	0.332	0.574



52.3 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	66	MΩ			
Min Limit	25	MΩ			
krad(Si)	0	30	35	50	55
LL	25.000	25.000	25.000	25.000	25.000
Min	53.553	53.533	53.404	53.630	54.014
Average	53.888	53.923	53.934	54.109	54.269
Max	54.156	54.167	54.483	54.554	54.527
UL	66.000	66.000	66.000	66.000	66.000

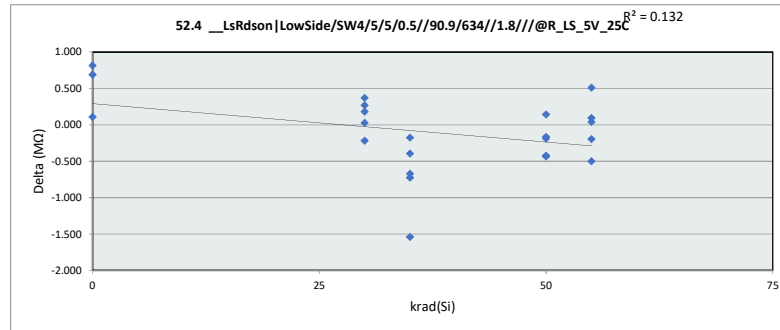


TID HDR Report

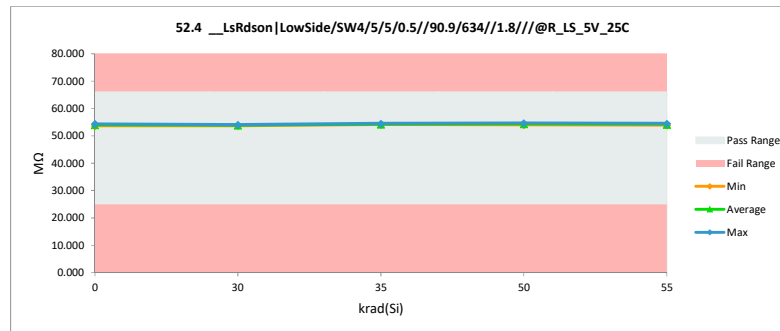
TPS7H4104-SEP

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

52.4 __LsRdson LowSide/SW4/				
Test Site				
Tester				
Test Number				
Unit		MΩ	MΩ	
Max Limit		64	66	
Min Limit		25	25	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	54.544	53.723	0.821
0	2	55.093	54.401	0.693
0	3	54.141	54.028	0.113
30	11	53.790	53.759	0.031
30	12	54.461	54.086	0.375
30	13	53.824	53.637	0.187
30	14	54.225	53.952	0.272
30	15	53.783	53.996	-0.213
35	16	54.380	54.552	-0.172
35	17	53.491	54.157	-0.667
35	18	53.542	54.262	-0.720
35	19	53.710	54.100	-0.390
35	20	52.953	54.488	-1.534
50	30	54.053	54.471	-0.418
50	31	54.201	54.053	0.147
50	32	54.520	54.681	-0.160
50	33	53.979	54.408	-0.429
50	34	54.112	54.296	-0.184
55	40	53.685	53.875	-0.190
55	41	54.023	54.519	-0.496
55	42	54.836	54.321	0.515
55	43	54.431	54.332	0.099
55	44	54.145	54.101	0.044
Max		55.093	54.681	0.821
Average		54.084	54.182	-0.099
Min		52.953	53.637	-1.534
Std Dev		0.470	0.283	0.511



52.4 __LsRdson LowSide/SW4/					
Test Site					
Tester					
Test Number					
Max Limit		66	MΩ		
Min Limit		25	MΩ		
krad(Si)	0	30	35	50	55
LL	25.000	25.000	25.000	25.000	25.000
Min	53.723	53.637	54.100	54.053	53.875
Average	54.050	53.886	54.312	54.382	54.229
Max	54.401	54.086	54.552	54.681	54.519
UL	66.000	66.000	66.000	66.000	66.000

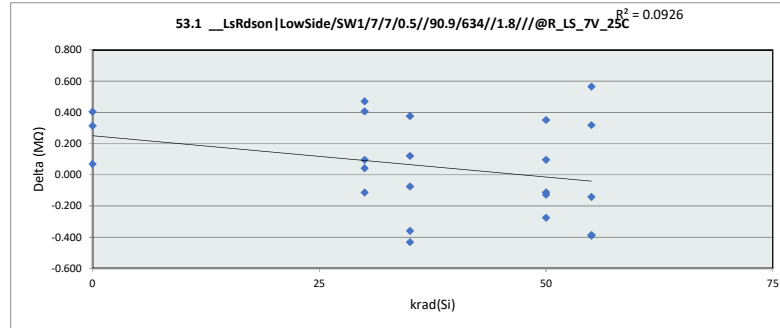


TID HDR Report

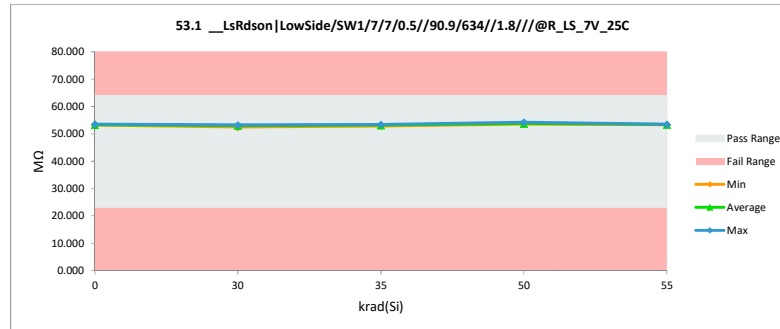
TPS7H4104-SEP

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

53.1 __LsRdson LowSide/SW1/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	63	64		
Min Limit	23	23		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	53.533	53.216	0.317
0	2	53.743	53.337	0.406
0	3	53.653	53.581	0.071
30	11	53.044	52.635	0.409
30	12	53.062	53.174	-0.111
30	13	52.633	52.535	0.098
30	14	53.140	53.096	0.044
30	15	53.724	53.251	0.473
35	16	53.566	53.187	0.378
35	17	53.056	52.932	0.123
35	18	52.961	53.319	-0.357
35	19	53.319	53.391	-0.073
35	20	52.539	52.969	-0.430
50	30	53.615	53.726	-0.111
50	31	53.971	53.618	0.353
50	32	54.104	54.230	-0.127
50	33	53.384	53.657	-0.273
50	34	53.727	53.629	0.098
55	40	53.052	53.436	-0.383
55	41	53.338	53.478	-0.140
55	42	53.898	53.331	0.567
55	43	53.769	53.448	0.321
55	44	52.917	53.305	-0.388
Max		54.104	54.230	0.567
Average		53.380	53.325	0.055
Min		52.539	52.535	-0.430
Std Dev		0.426	0.362	0.307



53.1 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	64	MΩ			
Min Limit	23	MΩ			
krad(Si)	0	30	35	50	55
LL	23.000	23.000	23.000	23.000	23.000
Min	53.216	52.535	52.932	53.618	53.305
Average	53.378	52.938	53.160	53.772	53.400
Max	53.581	53.251	53.391	54.231	53.478
UL	64.000	64.000	64.000	64.000	64.000

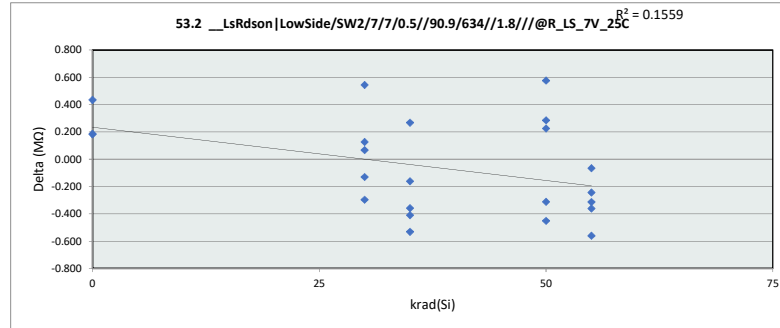


TID HDR Report

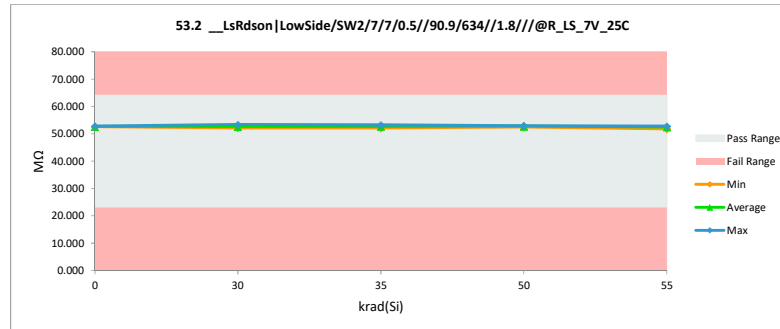
TPS7H4104-SEP

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

53.2 __LsRdson LowSide/SW2/				
Test Site				
Tester				
Test Number				
Unit	MΩ		MΩ	
Max Limit	63		64	
Min Limit	23		23	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	53.035	52.850	0.186
0	2	52.890	52.702	0.188
0	3	53.033	52.596	0.437
30	11	52.708	52.162	0.547
30	12	53.098	52.969	0.129
30	13	52.089	52.216	-0.127
30	14	52.674	52.604	0.070
30	15	53.108	53.402	-0.294
35	16	52.731	53.259	-0.528
35	17	52.247	52.653	-0.407
35	18	52.924	53.082	-0.159
35	19	52.316	52.672	-0.356
35	20	52.401	52.129	0.271
50	30	52.989	52.761	0.228
50	31	52.066	52.514	-0.448
50	32	52.703	53.012	-0.309
50	33	53.176	52.889	0.287
50	34	53.546	52.968	0.578
55	40	52.341	52.652	-0.310
55	41	52.171	52.411	-0.240
55	42	52.460	52.817	-0.358
55	43	52.243	52.801	-0.558
55	44	51.793	51.857	-0.063
Max		53.546	53.402	0.578
Average		52.641	52.695	-0.054
Min		51.793	51.857	-0.558
Std Dev		0.442	0.368	0.347



53.2 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	64		MΩ		
Min Limit	23		MΩ		
krad(Si)	0	30	35	50	55
LL	23.000	23.000	23.000	23.000	23.000
Min	52.596	52.162	52.129	52.514	51.857
Average	52.716	52.671	52.759	52.829	52.508
Max	52.850	53.402	53.259	53.012	52.817
UL	64.000	64.000	64.000	64.000	64.000

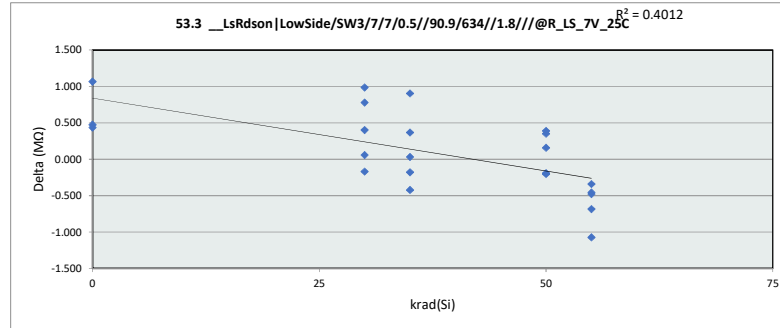


TID HDR Report

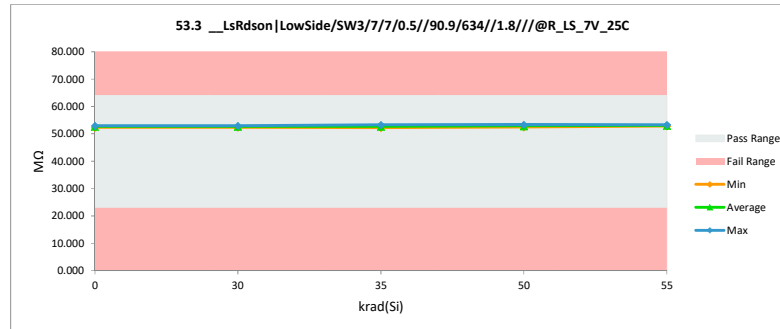
TPS7H4104-SEP

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

53.3 __LsRdson LowSide/SW3/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	63	64		
Min Limit	23	23		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	53.853	52.784	1.069
0	2	52.798	52.360	0.439
0	3	53.463	52.985	0.478
30	11	53.128	52.346	0.782
30	12	53.396	52.991	0.404
30	13	52.314	52.479	-0.165
30	14	52.988	52.925	0.063
30	15	53.984	52.993	0.991
35	16	53.062	52.690	0.372
35	17	52.551	52.726	-0.175
35	18	53.345	53.309	0.036
35	19	52.379	52.797	-0.418
35	20	53.133	52.224	0.908
50	30	53.559	53.166	0.393
50	31	52.246	52.446	-0.199
50	32	53.176	53.015	0.160
50	33	52.954	52.598	0.355
50	34	53.166	53.353	-0.187
55	40	52.765	53.102	-0.337
55	41	52.397	52.872	-0.475
55	42	52.781	53.234	-0.453
55	43	52.680	53.359	-0.679
55	44	51.769	52.838	-1.069
Max		53.984	53.359	1.069
Average		52.952	52.852	0.100
Min		51.769	52.224	-1.069
Std Dev		0.535	0.332	0.557



53.3 __LsRdson LowSide/SW					
Test Site					
Tester					
Test Number					
Max Limit	64	MΩ			
Min Limit	23	MΩ			
krad(Si)	0	30	35	50	55
LL	23.000	23.000	23.000	23.000	23.000
Min	52.360	52.346	52.224	52.446	52.838
Average	52.710	52.747	52.749	52.916	53.081
Max	52.985	52.993	53.309	53.353	53.359
UL	64.000	64.000	64.000	64.000	64.000

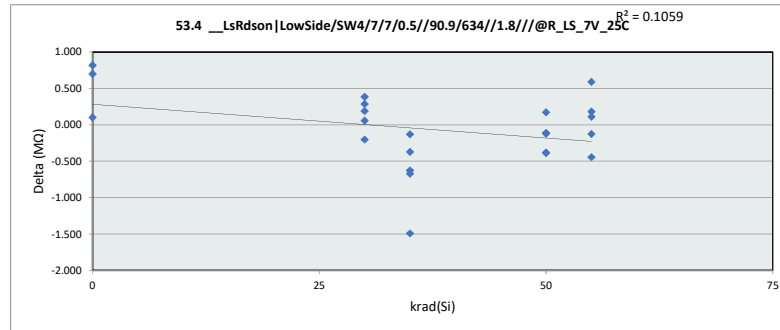


TID HDR Report

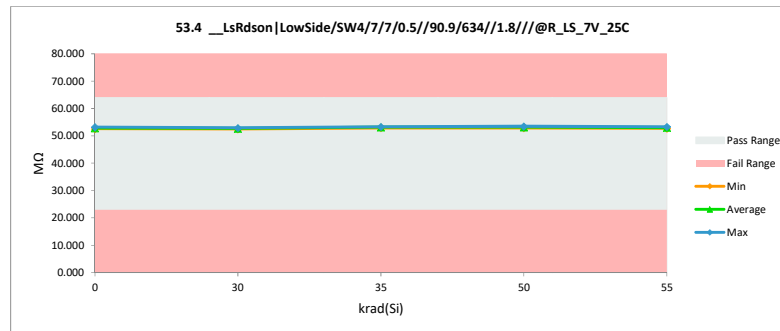
TPS7H4104-SEP

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

53.4 __LsRdson LowSide/SW4/				
Test Site				
Tester				
Test Number				
Unit	MΩ	MΩ		
Max Limit	63	64		
Min Limit	23	23		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	53.370	52.548	0.822
0	2	53.894	53.192	0.702
0	3	52.971	52.866	0.104
30	11	52.629	52.566	0.063
30	12	53.309	52.920	0.389
30	13	52.655	52.463	0.192
30	14	53.084	52.795	0.289
30	15	52.650	52.850	-0.200
35	16	53.251	53.376	-0.126
35	17	52.370	52.992	-0.622
35	18	52.422	53.089	-0.667
35	19	52.542	52.911	-0.369
35	20	51.831	53.320	-1.489
50	30	52.922	53.299	-0.377
50	31	53.058	52.883	0.175
50	32	53.394	53.501	-0.107
50	33	52.837	53.217	-0.380
50	34	53.006	53.122	-0.116
55	40	52.556	52.678	-0.122
55	41	52.906	53.348	-0.442
55	42	53.737	53.144	0.593
55	43	53.318	53.133	0.185
55	44	53.016	52.902	0.114
Max		53.894	53.501	0.822
Average		52.945	53.005	-0.060
Min		51.831	52.463	-1.489
Std Dev		0.465	0.282	0.503



53.4 __LsRdson LowSide/SW4/					
Test Site					
Tester					
Test Number					
Max Limit	64	MΩ			
Min Limit	23	MΩ			
krad(Si)	0	30	35	50	55
LL	23.000	23.000	23.000	23.000	23.000
Min	52.548	52.463	52.911	52.883	52.678
Average	52.869	52.719	53.138	53.205	53.041
Max	53.192	52.920	53.376	53.501	53.348
UL	64.000	64.000	64.000	64.000	64.000

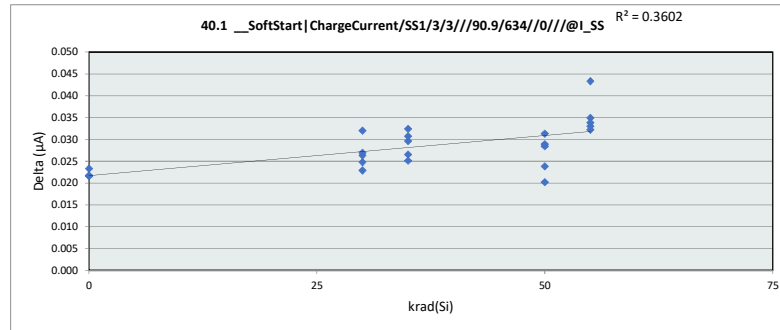


TID HDR Report

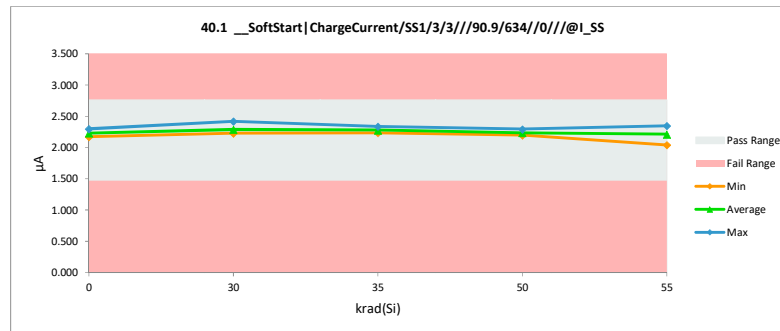
TPS7H4104-SEP

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

40.1 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.323	2.299	0.023
0	2	2.250	2.228	0.022
0	3	2.193	2.171	0.022
30	11	2.252	2.229	0.023
30	12	2.324	2.299	0.025
30	13	2.452	2.420	0.032
30	14	2.289	2.262	0.027
30	15	2.263	2.237	0.026
35	16	2.264	2.234	0.030
35	17	2.320	2.289	0.031
35	18	2.294	2.269	0.025
35	19	2.372	2.339	0.033
35	20	2.287	2.260	0.027
50	30	2.253	2.229	0.024
50	31	2.237	2.208	0.029
50	32	2.283	2.254	0.028
50	33	2.218	2.198	0.020
50	34	2.326	2.295	0.031
55	40	2.286	2.253	0.032
55	41	2.218	2.185	0.033
55	42	2.386	2.351	0.035
55	43	2.275	2.232	0.043
55	44	2.076	2.043	0.034
Max		2.452	2.420	0.043
Average		2.280	2.252	0.029
Min		2.076	2.043	0.020
Std Dev		0.073	0.073	0.005



40.1 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.172	2.229	2.234	2.198	2.043
Average	2.233	2.289	2.278	2.237	2.213
Max	2.300	2.420	2.339	2.295	2.351
UL	2.760	2.760	2.760	2.760	2.760

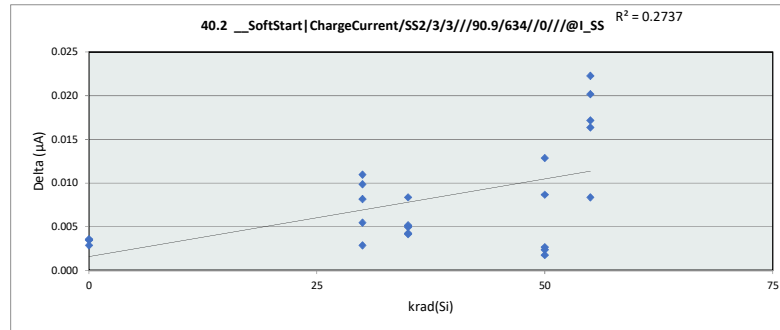


TID HDR Report

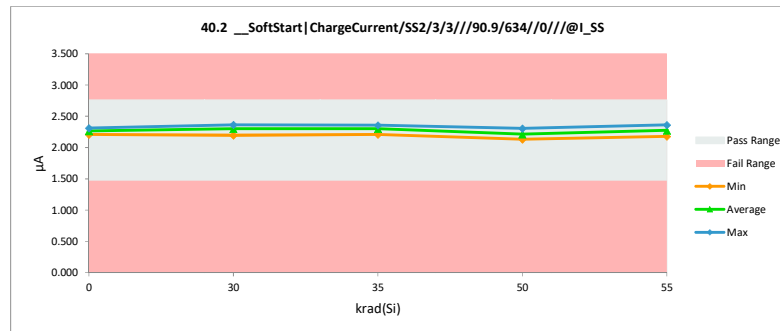
TPS7H4104-SEP

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

40.2 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.316	2.313	0.003
0	2	2.215	2.212	0.004
0	3	2.281	2.278	0.003
30	11	2.356	2.347	0.008
30	12	2.368	2.365	0.003
30	13	2.376	2.365	0.011
30	14	2.203	2.197	0.006
30	15	2.244	2.234	0.010
35	16	2.311	2.302	0.008
35	17	2.355	2.351	0.004
35	18	2.286	2.282	0.004
35	19	2.363	2.358	0.005
35	20	2.216	2.211	0.005
50	30	2.193	2.185	0.009
50	31	2.307	2.306	0.002
50	32	2.187	2.174	0.013
50	33	2.134	2.131	0.002
50	34	2.273	2.271	0.003
55	40	2.301	2.281	0.020
55	41	2.351	2.343	0.008
55	42	2.379	2.362	0.016
55	43	2.228	2.206	0.022
55	44	2.198	2.181	0.017
Max		2.379	2.365	0.022
Average		2.280	2.272	0.008
Min		2.134	2.131	0.002
Std Dev		0.073	0.073	0.006



40.2 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.212	2.197	2.211	2.131	2.181
Average	2.267	2.302	2.301	2.213	2.274
Max	2.313	2.365	2.358	2.306	2.362
UL	2.760	2.760	2.760	2.760	2.760

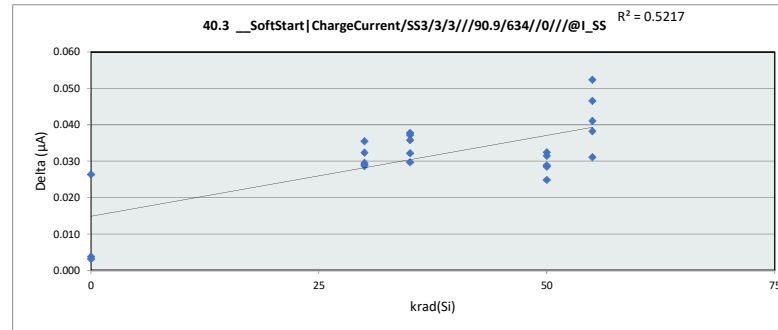


TID HDR Report

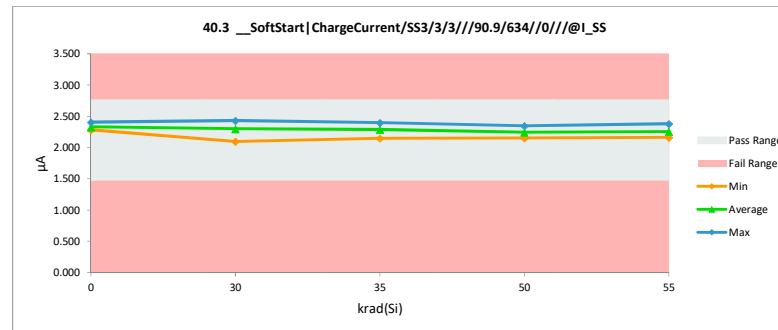
TPS7H4104-SEP

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

40.3 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.410	2.407	0.003
0	2	2.308	2.304	0.004
0	3	2.311	2.284	0.026
30	11	2.328	2.299	0.029
30	12	2.385	2.355	0.029
30	13	2.468	2.433	0.036
30	14	2.131	2.099	0.033
30	15	2.350	2.320	0.030
35	16	2.296	2.264	0.032
35	17	2.353	2.315	0.038
35	18	2.342	2.312	0.030
35	19	2.435	2.398	0.037
35	20	2.185	2.149	0.036
50	30	2.183	2.154	0.029
50	31	2.210	2.185	0.025
50	32	2.274	2.245	0.029
50	33	2.379	2.348	0.032
50	34	2.329	2.296	0.033
55	40	2.329	2.298	0.031
55	41	2.281	2.243	0.038
55	42	2.436	2.383	0.053
55	43	2.208	2.161	0.047
55	44	2.248	2.207	0.041
Max		2.468	2.433	0.053
Average		2.312	2.281	0.031
Min		2.131	2.099	0.003
Std Dev		0.089	0.090	0.011



40.3 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.284	2.099	2.149	2.154	2.161
Average	2.332	2.301	2.288	2.246	2.258
Max	2.407	2.433	2.398	2.348	2.383
UL	2.760	2.760	2.760	2.760	2.760

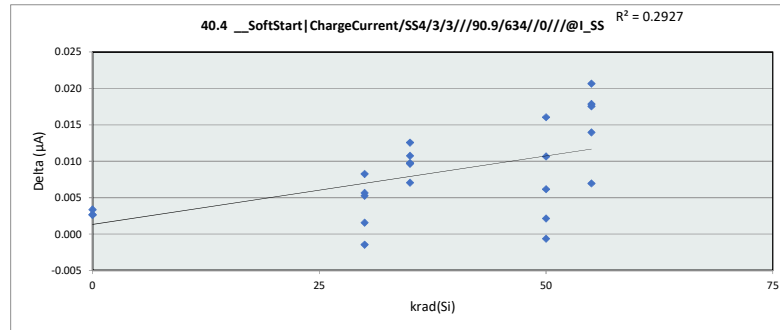


TID HDR Report

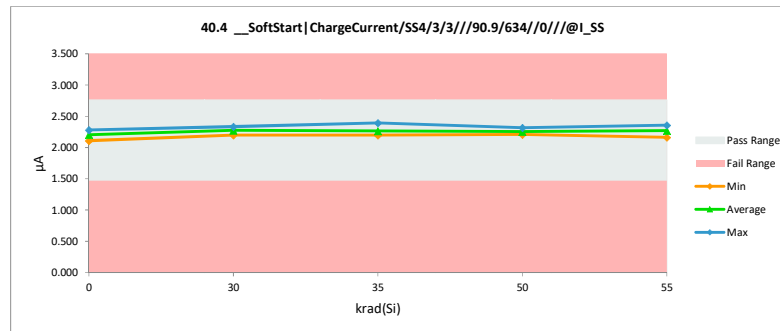
TPS7H4104-SEP

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

40.4 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.284	2.282	0.003
0	2	2.113	2.110	0.003
0	3	2.227	2.224	0.003
30	11	2.323	2.317	0.006
30	12	2.268	2.267	0.002
30	13	2.344	2.335	0.008
30	14	2.262	2.263	-0.001
30	15	2.205	2.200	0.005
35	16	2.277	2.264	0.013
35	17	2.207	2.197	0.010
35	18	2.268	2.261	0.007
35	19	2.405	2.395	0.011
35	20	2.218	2.209	0.010
50	30	2.216	2.214	0.002
50	31	2.325	2.319	0.006
50	32	2.268	2.257	0.011
50	33	2.208	2.209	-0.001
50	34	2.299	2.283	0.016
55	40	2.297	2.290	0.007
55	41	2.372	2.359	0.014
55	42	2.297	2.279	0.018
55	43	2.283	2.265	0.018
55	44	2.184	2.164	0.021
Max		2.405	2.395	0.021
Average		2.267	2.259	0.008
Min		2.113	2.110	-0.001
Std Dev		0.065	0.064	0.006



40.4 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.110	2.200	2.198	2.209	2.164
Average	2.205	2.276	2.265	2.257	2.271
Max	2.282	2.335	2.395	2.319	2.359
UL	2.760	2.760	2.760	2.760	2.760

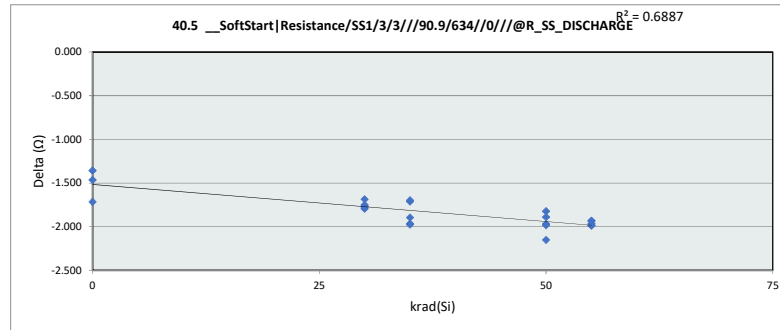


TID HDR Report

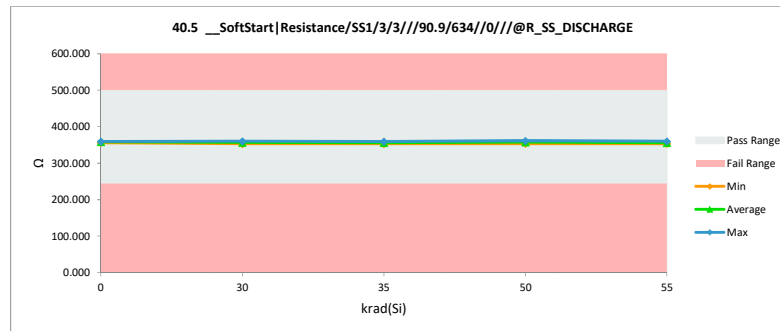
TPS7H4104-SEP

kRad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.5 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
kRad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	358.183	359.536	-1.353
0	2	355.028	356.489	-1.461
0	3	357.850	359.561	-1.712
30	11	352.710	354.456	-1.747
30	12	356.698	358.380	-1.682
30	13	351.368	353.133	-1.765
30	14	355.644	357.434	-1.790
30	15	358.471	360.240	-1.769
35	16	357.034	358.728	-1.693
35	17	353.890	355.862	-1.971
35	18	357.735	359.626	-1.891
35	19	351.951	353.660	-1.709
35	20	351.633	353.594	-1.962
50	30	355.815	357.792	-1.978
50	31	351.852	353.738	-1.886
50	32	357.839	359.986	-2.147
50	33	355.105	357.069	-1.964
50	34	359.879	361.699	-1.820
55	40	352.682	354.662	-1.980
55	41	353.415	355.346	-1.930
55	42	357.998	359.982	-1.985
55	43	355.905	357.868	-1.962
55	44	352.086	354.014	-1.929
Max		359.879	361.699	-1.353
Average		355.251	357.081	-1.830
Min		351.368	353.133	-2.147
Std Dev		2.635	2.612	0.181



40.5 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
kRad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	356.489	353.133	353.594	353.739	354.014
Average	358.529	356.729	356.294	358.057	356.375
Max	359.562	360.240	359.626	361.699	359.982
UL	499.000	499.000	499.000	499.000	499.000

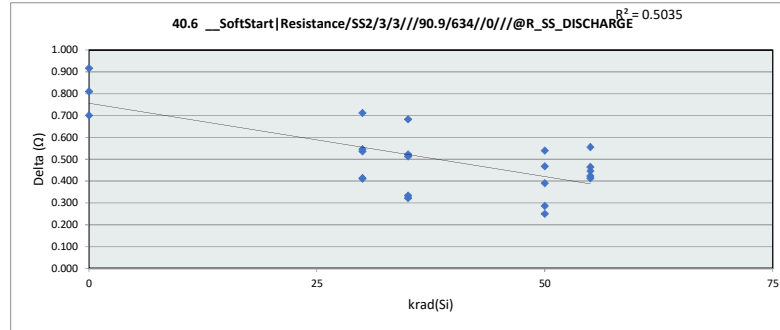


TID HDR Report

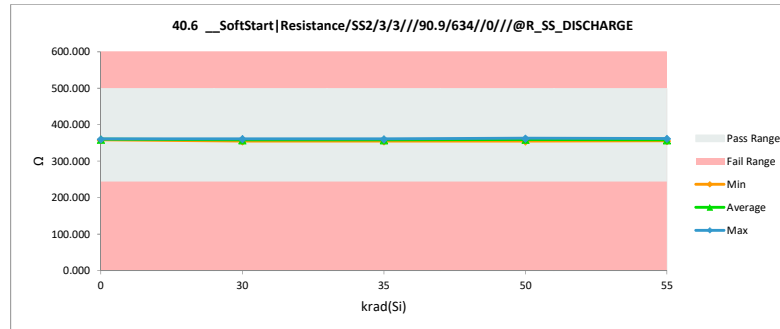
TPS7H4104-SEP

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

40.6 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	361.846	361.034	0.812
0	2	359.493	358.574	0.918
0	3	361.378	360.676	0.702
30	11	356.733	356.317	0.416
30	12	361.046	360.332	0.714
30	13	355.983	355.445	0.538
30	14	359.065	358.651	0.414
30	15	361.754	361.207	0.548
35	16	361.645	361.130	0.515
35	17	358.379	358.055	0.324
35	18	361.693	361.168	0.525
35	19	356.474	355.789	0.685
35	20	355.900	355.565	0.336
50	30	359.761	359.292	0.470
50	31	355.206	354.954	0.252
50	32	360.917	360.629	0.288
50	33	359.317	358.925	0.392
50	34	363.505	362.964	0.541
55	40	357.250	356.825	0.425
55	41	358.264	357.816	0.448
55	42	362.661	362.195	0.466
55	43	360.211	359.653	0.558
55	44	356.579	356.164	0.415
Max		363.505	362.964	0.918
Average		359.350	358.842	0.509
Min		355.206	354.954	0.252
Std Dev		2.442	2.384	0.166



40.6 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	358.574	355.445	355.565	354.954	356.164
Average	360.095	358.390	358.341	359.353	358.531
Max	361.035	361.207	361.168	362.964	362.195
UL	499.000	499.000	499.000	499.000	499.000

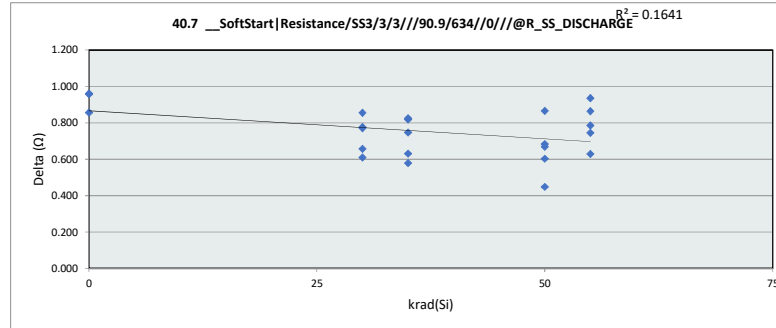


TID HDR Report

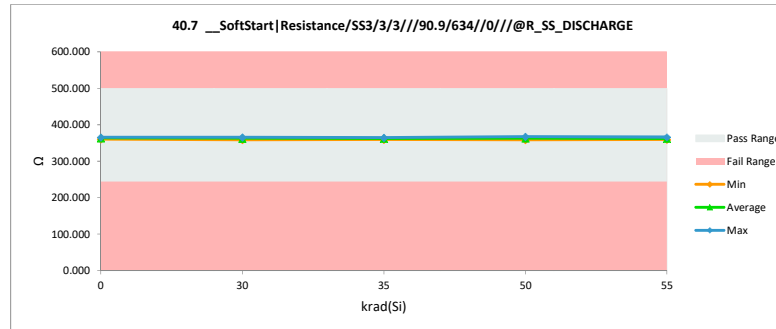
TPS7H4104-SEP

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

40.7 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	366.400	365.542	0.858
0	2	361.682	360.723	0.959
0	3	366.135	365.173	0.962
30	11	361.480	360.623	0.857
30	12	364.793	364.015	0.779
30	13	359.635	358.976	0.659
30	14	364.475	363.864	0.611
30	15	366.367	365.595	0.773
35	16	365.473	364.646	0.827
35	17	362.509	361.928	0.581
35	18	365.493	364.745	0.749
35	19	361.107	360.286	0.820
35	20	360.133	359.501	0.632
50	30	362.466	361.861	0.605
50	31	359.501	358.831	0.670
50	32	365.301	364.851	0.450
50	33	363.802	362.934	0.868
50	34	368.101	367.417	0.685
55	40	360.465	359.835	0.630
55	41	362.382	361.595	0.788
55	42	366.854	365.917	0.937
55	43	364.336	363.471	0.866
55	44	360.039	359.292	0.747
Max		368.101	367.417	0.962
Average		363.432	362.679	0.753
Min		359.501	358.831	0.450
Std Dev		2.614	2.584	0.134



40.7 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	360.723	358.976	359.501	358.831	359.292
Average	363.813	362.615	362.221	363.179	362.022
Max	365.542	365.595	364.745	367.417	365.917
UL	499.000	499.000	499.000	499.000	499.000

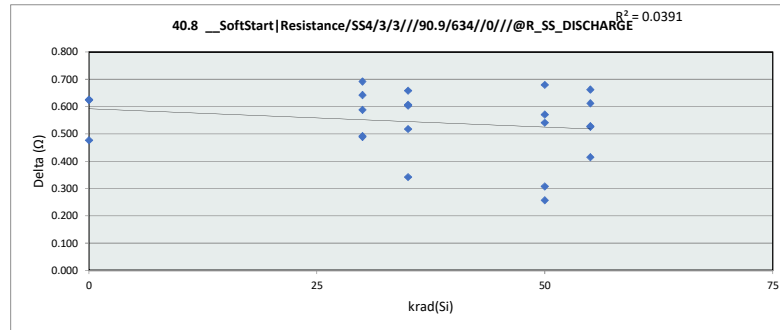


TID HDR Report

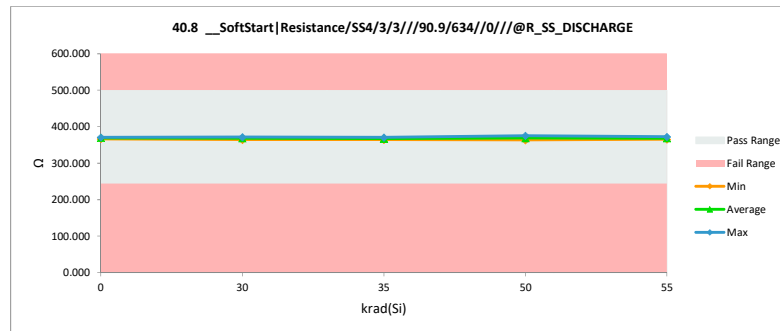
TPS7H4104-SEP

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

40.8 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	371.221	370.743	0.478
0	2	367.319	366.693	0.627
0	3	371.937	371.312	0.626
30	11	367.863	367.274	0.589
30	12	370.691	369.998	0.693
30	13	364.956	364.312	0.644
30	14	370.704	370.214	0.490
30	15	372.074	371.581	0.493
35	16	371.539	370.935	0.604
35	17	367.768	367.425	0.343
35	18	371.399	370.791	0.608
35	19	365.370	364.710	0.660
35	20	365.397	364.878	0.519
50	30	368.677	368.369	0.309
50	31	364.230	363.687	0.542
50	32	370.599	370.341	0.258
50	33	369.928	369.248	0.680
50	34	375.945	375.374	0.572
55	40	367.236	366.820	0.416
55	41	368.854	368.241	0.613
55	42	373.280	372.617	0.663
55	43	371.431	370.902	0.529
55	44	365.713	365.186	0.527
Max		375.945	375.374	0.693
Average		369.310	368.767	0.543
Min		364.230	363.687	0.258
Std Dev		3.012	3.008	0.119



40.8 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	366.693	364.312	364.710	363.687	365.186
Average	369.583	368.676	367.748	369.404	368.753
Max	371.312	371.581	370.935	375.374	372.617
UL	499.000	499.000	499.000	499.000	499.000

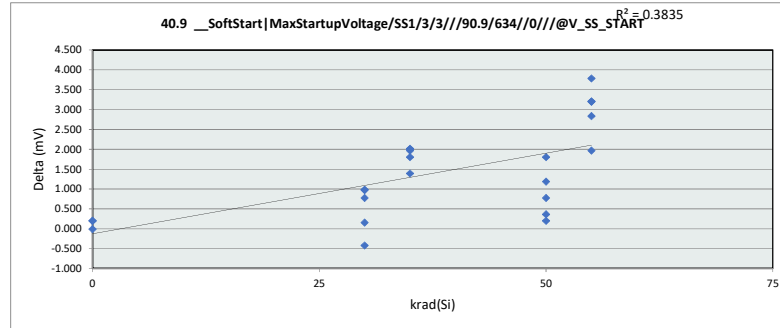


TID HDR Report

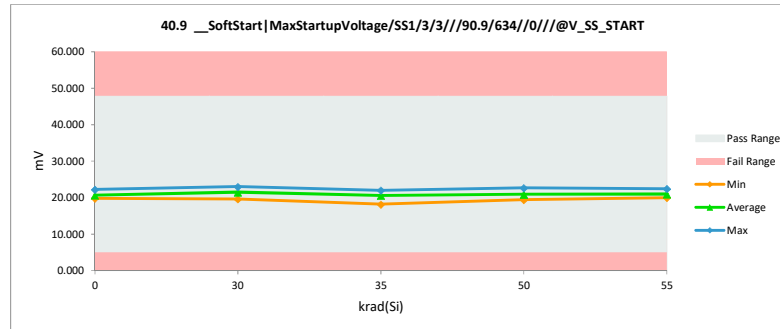
TPS7H4104-SEP

kRad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.9 __SoftStart MaxStartupVo				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	50	47.8		
Min Limit	5	5		
kRad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	20.012	20.012	0.000
0	2	22.444	22.238	0.206
0	3	20.012	19.806	0.206
30	11	22.238	22.650	-0.412
30	12	22.238	21.249	0.989
30	13	19.806	19.641	0.165
30	14	21.826	21.043	0.783
30	15	24.010	23.021	0.989
35	16	20.218	18.198	2.020
35	17	23.021	21.043	1.979
35	18	23.433	22.032	1.401
35	19	22.444	20.424	2.020
35	20	23.227	21.414	1.814
50	30	23.433	22.650	0.783
50	31	21.620	19.806	1.814
50	32	22.238	21.043	1.195
50	33	19.806	19.435	0.371
50	34	21.826	21.620	0.206
55	40	22.856	20.012	2.844
55	41	24.423	20.631	3.792
55	42	24.629	21.414	3.215
55	43	23.639	20.424	3.215
55	44	24.423	22.444	1.979
Max		24.629	23.021	3.792
Average		22.340	20.967	1.373
Min		19.806	18.198	-0.412
Std Dev		1.531	1.220	1.156



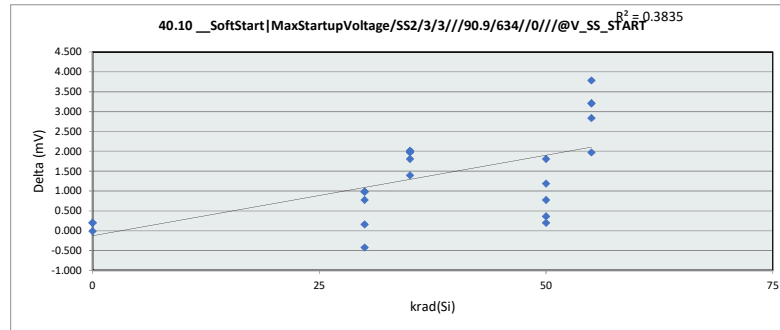
40.9 __SoftStart MaxStartupVo					
Test Site					
Tester					
Test Number					
Max Limit	47.8	mV			
Min Limit	5	mV			
kRad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	19.806	19.641	18.199	19.435	20.012
Average	20.685	21.521	20.622	20.911	20.985
Max	22.238	23.021	22.032	22.650	22.444
UL	47.800	47.800	47.800	47.800	47.800



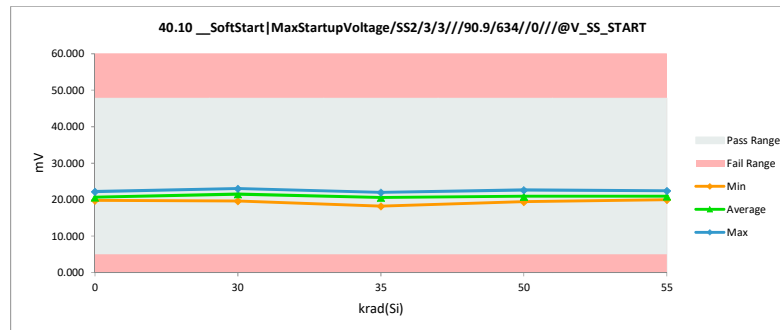
TID HDR Report TPS7H4104-SEP

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

40.10 __SoftStart MaxStartupVd				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	50	47.8		
Min Limit	5	5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	20.012	20.012	0.000
0	2	22.444	22.238	0.206
0	3	20.012	19.806	0.206
30	11	22.238	22.650	-0.412
30	12	22.238	21.249	0.989
30	13	19.806	19.641	0.165
30	14	21.826	21.043	0.783
30	15	24.010	23.021	0.989
35	16	20.218	18.198	2.020
35	17	23.021	21.043	1.979
35	18	23.433	22.032	1.401
35	19	22.444	20.424	2.020
35	20	23.227	21.414	1.814
50	30	23.433	22.650	0.783
50	31	21.620	19.806	1.814
50	32	22.238	21.043	1.195
50	33	19.806	19.435	0.371
50	34	21.826	21.620	0.206
55	40	22.856	20.012	2.844
55	41	24.423	20.631	3.792
55	42	24.629	21.414	3.215
55	43	23.639	20.424	3.215
55	44	24.423	22.444	1.979
Max		24.629	23.021	3.792
Average		22.340	20.967	1.373
Min		19.806	18.198	-0.412
Std Dev		1.531	1.220	1.156



40.10 __SoftStart MaxStartup					
Test Site					
Tester					
Test Number					
Max Limit	47.8	mV			
Min Limit	5	mV			
krad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	19.806	19.641	18.199	19.435	20.012
Average	20.685	21.521	20.622	20.911	20.985
Max	22.238	23.021	22.032	22.650	22.444
UL	47.800	47.800	47.800	47.800	47.800

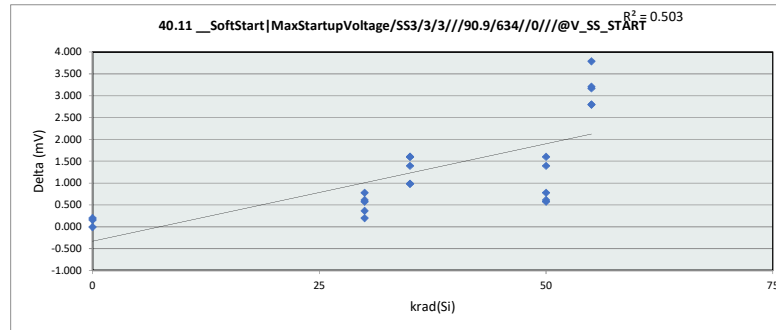


TID HDR Report

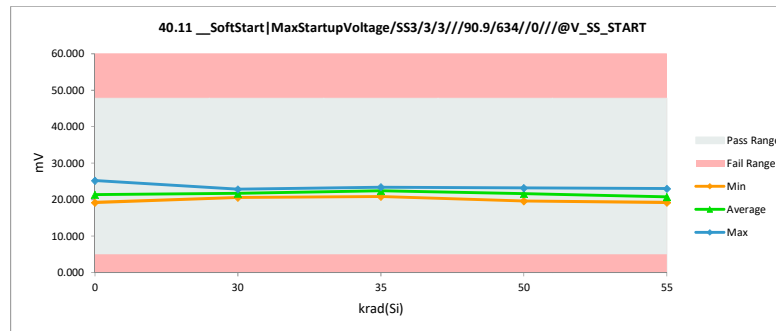
TPS7H4104-SEP

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

40.11 __SoftStart MaxStartupVd				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	50	47.8		
Min Limit	5	5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	19.229	19.229	0.000
0	2	25.453	25.247	0.206
0	3	19.806	19.641	0.165
30	11	22.856	22.238	0.618
30	12	22.032	21.826	0.206
30	13	23.433	22.856	0.577
30	14	21.414	20.631	0.783
30	15	21.414	21.043	0.371
35	16	22.444	20.837	1.608
35	17	23.433	22.444	0.989
35	18	24.010	23.021	0.989
35	19	25.041	23.433	1.608
35	20	23.846	22.444	1.402
50	30	23.846	22.238	1.608
50	31	20.218	19.641	0.577
50	32	24.629	23.227	1.401
50	33	22.032	21.249	0.783
50	34	22.444	21.826	0.618
55	40	25.824	23.021	2.803
55	41	23.846	21.043	2.803
55	42	22.444	19.229	3.215
55	43	23.227	19.435	3.792
55	44	24.423	21.249	3.174
	Max	25.824	25.247	3.792
	Average	22.928	21.611	1.317
	Min	19.229	19.229	0.000
	Std Dev	1.736	1.556	1.111



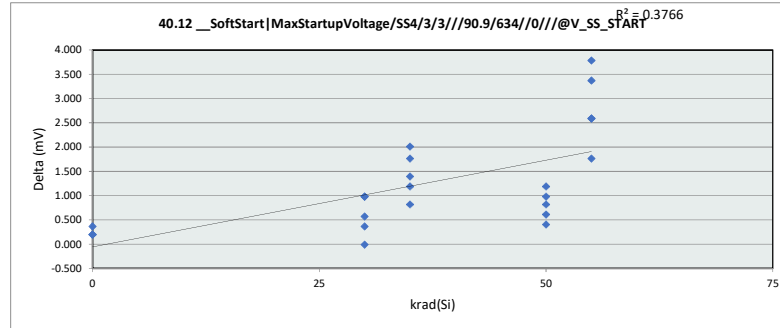
40.11 __SoftStart MaxStartupVd					
Test Site					
Tester					
Test Number					
Max Limit	47.8	mV			
Min Limit	5	mV			
krad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	19.229	20.631	20.837	19.641	19.229
Average	21.372	21.719	22.436	21.636	20.795
Max	25.247	22.856	23.433	23.227	23.021
UL	47.800	47.800	47.800	47.800	47.800



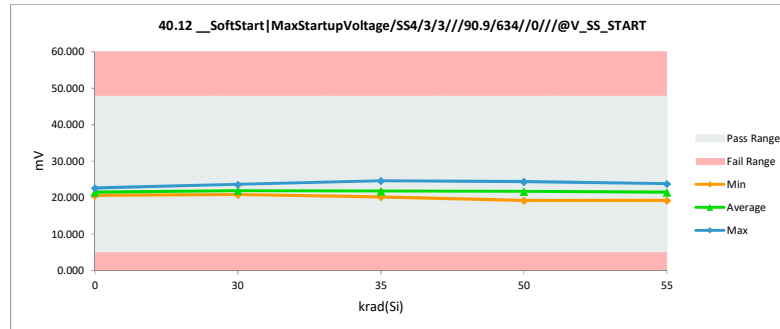
TID HDR Report TPS7H4104-SEP

kRad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

40.12 __SoftStart MaxStartupVd				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	50	47.8		
Min Limit	5	5		
kRad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	22.856	22.650	0.206
0	2	21.620	21.249	0.371
0	3	20.837	20.631	0.206
30	11	22.032	21.043	0.989
30	12	21.620	21.249	0.371
30	13	23.433	22.856	0.577
30	14	24.629	23.639	0.989
30	15	20.837	20.837	0.000
35	16	23.227	21.826	1.402
35	17	26.649	24.629	2.020
35	18	21.043	20.218	0.824
35	19	22.238	21.043	1.195
35	20	23.021	21.249	1.772
50	30	22.032	21.043	0.989
50	31	20.424	19.229	1.195
50	32	22.650	22.238	0.412
50	33	25.041	24.423	0.618
50	34	22.444	21.620	0.824
55	40	23.021	21.249	1.772
55	41	21.826	19.229	2.597
55	42	27.226	23.846	3.380
55	43	25.247	22.650	2.597
55	44	24.423	20.631	3.792
	Max	27.226	24.629	3.792
	Average	22.973	21.708	1.265
	Min	20.424	19.229	0.000
	Std Dev	1.824	1.467	1.027



40.12 __SoftStart MaxStartup					
Test Site					
Tester					
Test Number					
Max Limit	47.8	mV			
Min Limit	5	mV			
kRad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	20.631	20.837	20.218	19.229	19.229
Average	21.510	21.925	21.793	21.710	21.521
Max	22.650	23.640	24.629	24.423	23.846
UL	47.800	47.800	47.800	47.800	47.800

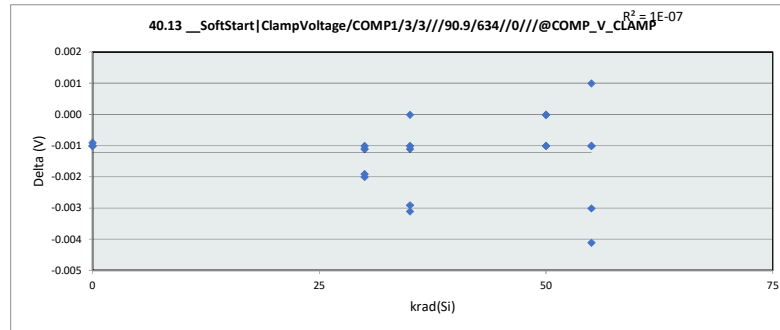


TID HDR Report

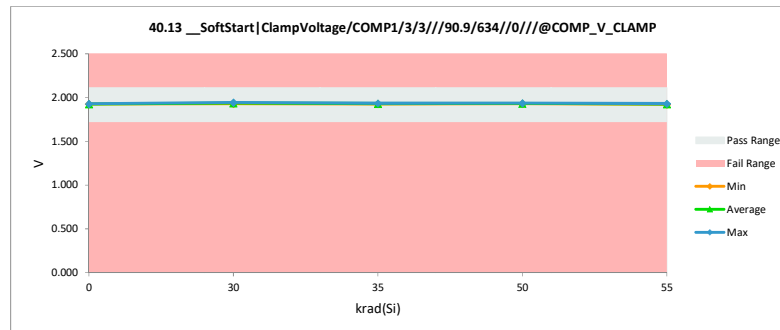
TPS7H4104-SEP

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

40.13 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.929	1.929	-0.001
0	2	1.926	1.926	-0.001
0	3	1.926	1.928	-0.001
30	11	1.928	1.929	-0.002
30	12	1.933	1.934	-0.001
30	13	1.944	1.945	-0.001
30	14	1.938	1.939	-0.002
30	15	1.941	1.941	-0.001
35	16	1.926	1.929	-0.003
35	17	1.935	1.935	0.000
35	18	1.931	1.935	-0.003
35	19	1.933	1.934	-0.001
35	20	1.926	1.928	-0.001
50	30	1.929	1.929	0.000
50	31	1.938	1.938	0.000
50	32	1.931	1.931	0.000
50	33	1.929	1.929	-0.001
50	34	1.935	1.936	-0.001
55	40	1.931	1.931	-0.001
55	41	1.923	1.923	-0.001
55	42	1.923	1.926	-0.003
55	43	1.921	1.926	-0.004
55	44	1.929	1.928	0.001
	Max	1.944	1.945	0.001
	Average	1.930	1.932	-0.001
	Min	1.921	1.923	-0.004
	Std Dev	0.006	0.005	0.001



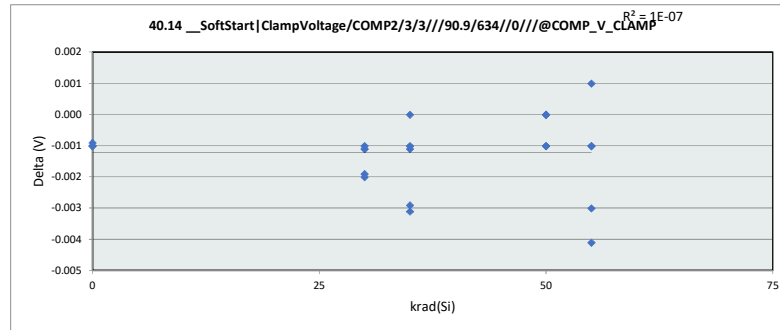
40.13 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.927	1.930	1.928	1.929	1.924
Average	1.928	1.938	1.932	1.933	1.927
Max	1.930	1.945	1.935	1.938	1.932
UL	2.110	2.110	2.110	2.110	2.110



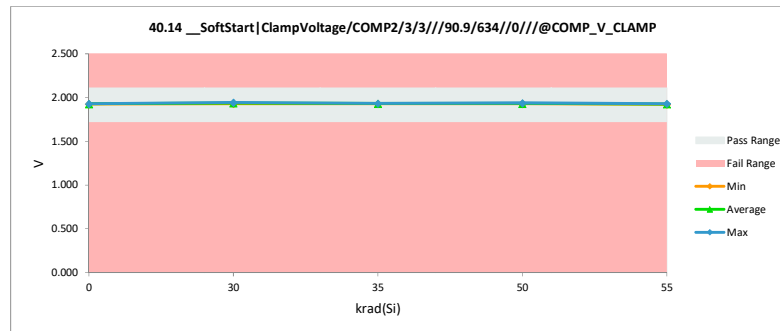
TID HDR Report TPS7H4104-SEP

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

40.14 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.929	1.929	-0.001
0	2	1.926	1.926	-0.001
0	3	1.926	1.928	-0.001
30	11	1.928	1.929	-0.002
30	12	1.933	1.934	-0.001
30	13	1.944	1.945	-0.001
30	14	1.938	1.939	-0.002
30	15	1.941	1.941	-0.001
35	16	1.926	1.929	-0.003
35	17	1.935	1.935	0.000
35	18	1.931	1.935	-0.003
35	19	1.933	1.934	-0.001
35	20	1.926	1.928	-0.001
50	30	1.929	1.929	0.000
50	31	1.938	1.938	0.000
50	32	1.931	1.931	0.000
50	33	1.929	1.929	-0.001
50	34	1.935	1.936	-0.001
55	40	1.931	1.931	-0.001
55	41	1.923	1.923	-0.001
55	42	1.923	1.926	-0.003
55	43	1.921	1.926	-0.004
55	44	1.929	1.928	0.001
	Max	1.944	1.945	0.001
	Average	1.930	1.932	-0.001
	Min	1.921	1.923	-0.004
	Std Dev	0.006	0.005	0.001



40.14 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.927	1.930	1.928	1.929	1.924
Average	1.928	1.938	1.932	1.933	1.927
Max	1.930	1.945	1.935	1.938	1.932
UL	2.110	2.110	2.110	2.110	2.110

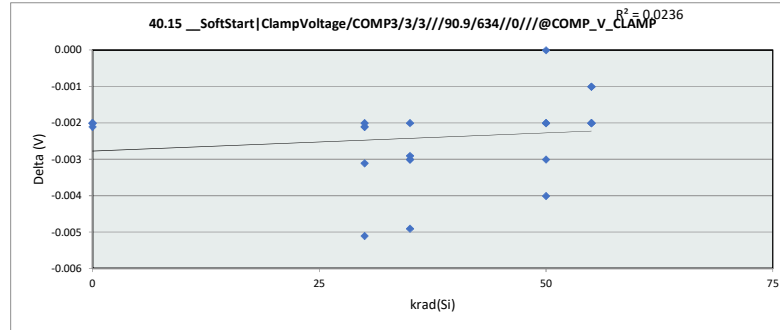


TID HDR Report

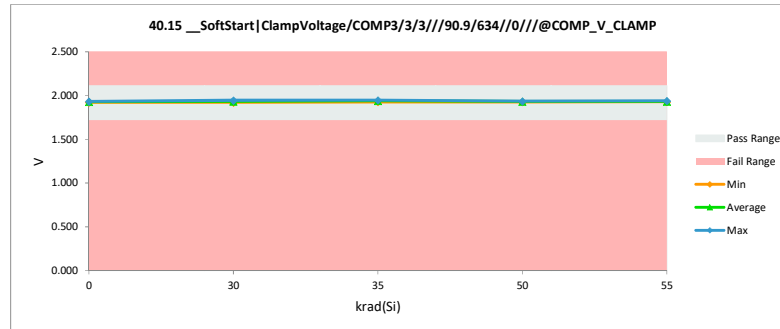
TPS7H4104-SEP

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

40.15 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.933	1.935	-0.002
0	2	1.921	1.923	-0.002
0	3	1.926	1.929	-0.002
30	11	1.923	1.926	-0.003
30	12	1.941	1.947	-0.005
30	13	1.944	1.946	-0.002
30	14	1.931	1.934	-0.002
30	15	1.921	1.923	-0.002
35	16	1.926	1.929	-0.003
35	17	1.941	1.944	-0.003
35	18	1.936	1.941	-0.005
35	19	1.947	1.949	-0.002
35	20	1.935	1.938	-0.003
50	30	1.935	1.937	-0.002
50	31	1.934	1.937	-0.003
50	32	1.929	1.929	0.000
50	33	1.923	1.928	-0.004
50	34	1.935	1.937	-0.002
55	40	1.929	1.931	-0.002
55	41	1.939	1.939	-0.001
55	42	1.928	1.929	-0.002
55	43	1.928	1.929	-0.002
55	44	1.937	1.938	-0.001
Max		1.947	1.949	0.000
Average		1.932	1.934	-0.002
Min		1.921	1.923	-0.005
Std Dev		0.007	0.007	0.001



40.15 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.924	1.923	1.929	1.928	1.930
Average	1.929	1.935	1.940	1.933	1.933
Max	1.935	1.947	1.949	1.937	1.940
UL	2.110	2.110	2.110	2.110	2.110

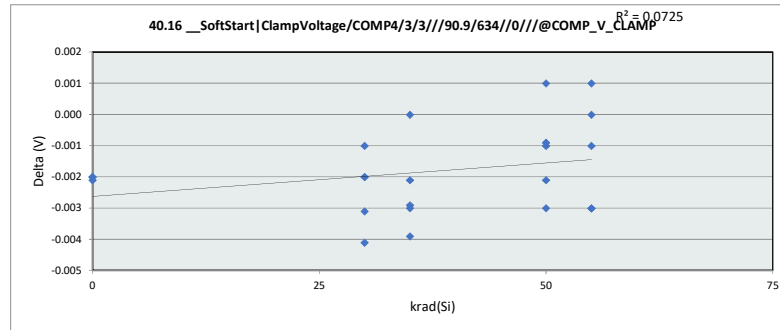


TID HDR Report

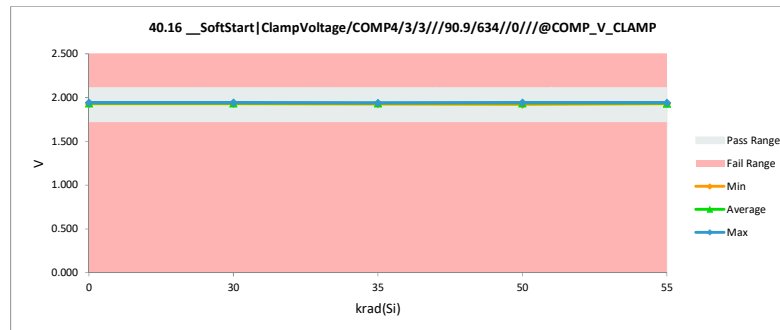
TPS7H4104-SEP

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

40.16 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.942	1.945	-0.002
0	2	1.928	1.929	-0.002
0	3	1.936	1.938	-0.002
30	11	1.933	1.937	-0.004
30	12	1.931	1.933	-0.002
30	13	1.941	1.945	-0.003
30	14	1.934	1.936	-0.002
30	15	1.931	1.931	-0.001
35	16	1.936	1.939	-0.003
35	17	1.939	1.941	-0.003
35	18	1.933	1.935	-0.002
35	19	1.937	1.941	-0.004
35	20	1.928	1.928	0.000
50	30	1.921	1.923	-0.003
50	31	1.941	1.941	0.001
50	32	1.938	1.939	-0.001
50	33	1.944	1.946	-0.002
50	34	1.939	1.939	-0.001
55	40	1.934	1.935	-0.001
55	41	1.933	1.933	0.000
55	42	1.941	1.939	0.001
55	43	1.928	1.931	-0.003
55	44	1.939	1.942	-0.003
	Max	1.944	1.946	0.001
	Average	1.935	1.937	-0.002
	Min	1.921	1.923	-0.004
	Std Dev	0.006	0.006	0.001



	40.16 SoftStart ClampVoltage				
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.930	1.932	1.928	1.924	1.931
Average	1.937	1.936	1.937	1.938	1.936
Max	1.945	1.945	1.942	1.946	1.943
UL	2.110	2.110	2.110	2.110	2.110

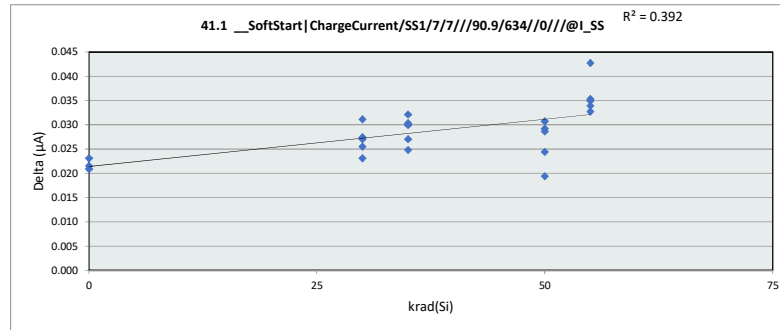


TID HDR Report

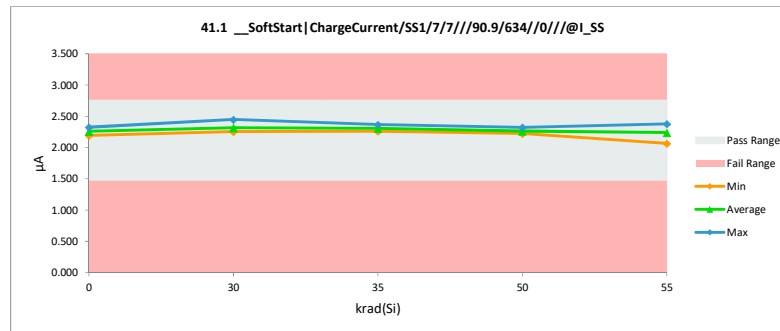
TPS7H4104-SEP

kRad(Si)	Description
30	30 krad Unbiased
35	30 krad Biased
50	50 krad Unbiased
55	50 krad Biased

41.1 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
kRad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.349	2.326	0.023
0	2	2.276	2.255	0.021
0	3	2.218	2.197	0.022
30	11	2.277	2.254	0.023
30	12	2.352	2.326	0.026
30	13	2.480	2.449	0.031
30	14	2.315	2.288	0.027
30	15	2.290	2.262	0.027
35	16	2.290	2.260	0.030
35	17	2.346	2.316	0.030
35	18	2.321	2.296	0.025
35	19	2.399	2.367	0.032
35	20	2.313	2.286	0.027
50	30	2.279	2.254	0.025
50	31	2.264	2.235	0.029
50	32	2.310	2.280	0.029
50	33	2.244	2.224	0.019
50	34	2.353	2.322	0.031
55	40	2.312	2.279	0.033
55	41	2.245	2.211	0.034
55	42	2.413	2.378	0.035
55	43	2.301	2.258	0.043
55	44	2.101	2.066	0.035
Max		2.480	2.449	0.043
Average		2.306	2.278	0.029
Min		2.101	2.066	0.019
Std Dev		0.074	0.074	0.005



41.1 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
kRad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.197	2.254	2.260	2.224	2.066
Average	2.259	2.316	2.305	2.263	2.238
Max	2.326	2.449	2.367	2.322	2.378
UL	2.760	2.760	2.760	2.760	2.760

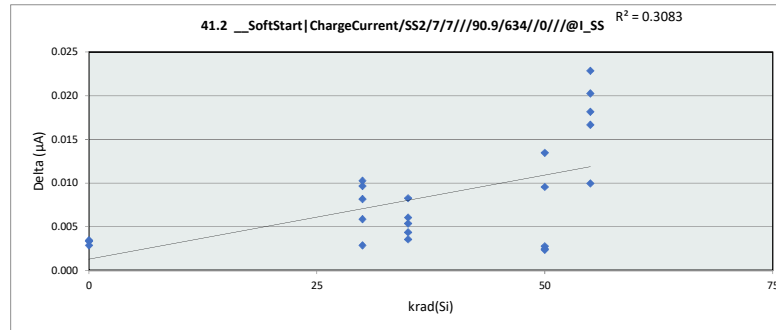


TID HDR Report

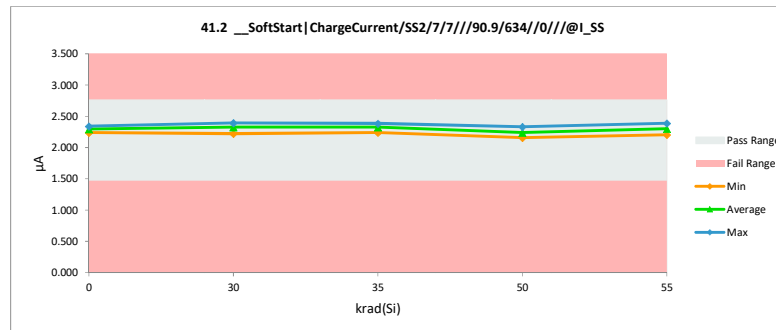
TPS7H4104-SEP

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

41.2 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.343	2.340	0.003
0	2	2.243	2.239	0.003
0	3	2.308	2.305	0.003
30	11	2.383	2.375	0.008
30	12	2.396	2.393	0.003
30	13	2.403	2.394	0.010
30	14	2.229	2.223	0.006
30	15	2.271	2.260	0.010
35	16	2.337	2.329	0.008
35	17	2.383	2.379	0.004
35	18	2.312	2.308	0.004
35	19	2.391	2.386	0.005
35	20	2.244	2.238	0.006
50	30	2.220	2.210	0.010
50	31	2.335	2.333	0.002
50	32	2.214	2.200	0.013
50	33	2.160	2.157	0.003
50	34	2.301	2.299	0.003
55	40	2.328	2.308	0.020
55	41	2.380	2.370	0.010
55	42	2.406	2.390	0.017
55	43	2.255	2.232	0.023
55	44	2.224	2.206	0.018
Max		2.406	2.394	0.023
Average		2.307	2.299	0.008
Min		2.160	2.157	0.002
Std Dev		0.073	0.074	0.006



41.2 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.239	2.223	2.238	2.157	2.206
Average	2.295	2.329	2.328	2.240	2.301
Max	2.340	2.394	2.386	2.333	2.390
UL	2.760	2.760	2.760	2.760	2.760

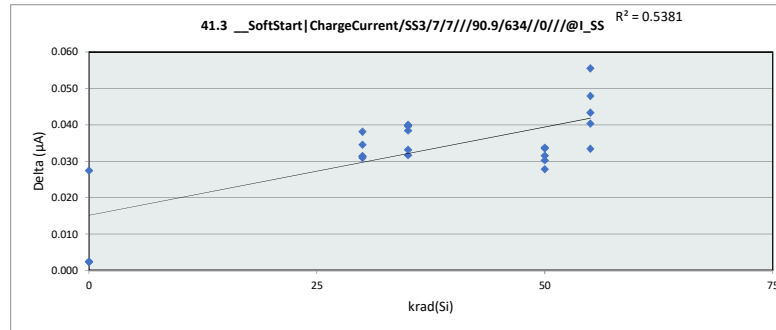


TID HDR Report

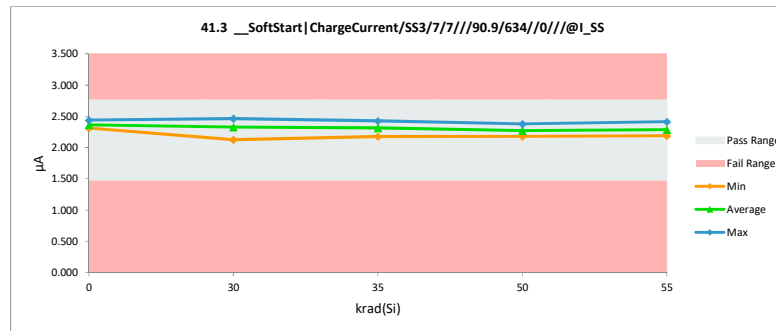
TPS7H4104-SEP

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

41.3 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		µA	µA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.440	2.438	0.002
0	2	2.336	2.334	0.002
0	3	2.341	2.313	0.027
30	11	2.359	2.327	0.031
30	12	2.415	2.385	0.031
30	13	2.501	2.463	0.038
30	14	2.160	2.125	0.035
30	15	2.381	2.349	0.031
35	16	2.326	2.292	0.033
35	17	2.384	2.344	0.040
35	18	2.372	2.340	0.032
35	19	2.467	2.426	0.040
35	20	2.214	2.176	0.038
50	30	2.211	2.180	0.032
50	31	2.239	2.211	0.028
50	32	2.303	2.272	0.030
50	33	2.411	2.377	0.034
50	34	2.360	2.326	0.034
55	40	2.360	2.327	0.033
55	41	2.312	2.272	0.040
55	42	2.468	2.412	0.056
55	43	2.237	2.188	0.048
55	44	2.277	2.234	0.043
Max		2.501	2.463	0.056
Average		2.342	2.309	0.033
Min		2.160	2.125	0.002
Std Dev		0.090	0.091	0.012



41.3 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	µA		
Min Limit		1.47	µA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.313	2.125	2.176	2.180	2.189
Average	2.362	2.330	2.316	2.273	2.287
Max	2.438	2.463	2.426	2.377	2.412
UL	2.760	2.760	2.760	2.760	2.760

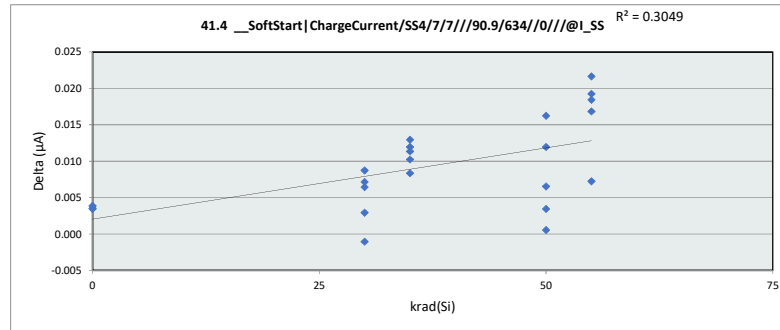


TID HDR Report

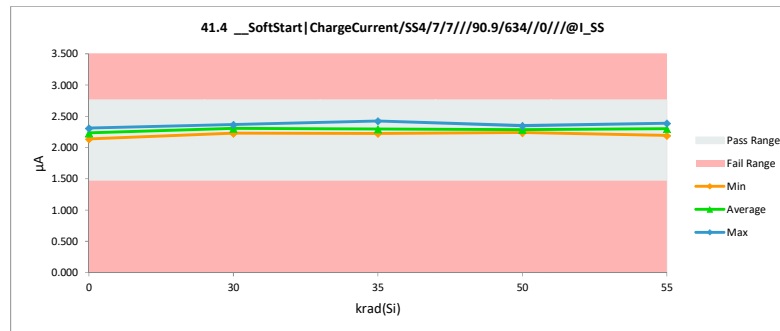
TPS7H4104-SEP

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

41.4 __SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Unit		μA	μA	
Max Limit		2.83	2.76	
Min Limit		1.4	1.47	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.315	2.312	0.003
0	2	2.142	2.139	0.004
0	3	2.258	2.254	0.004
30	11	2.355	2.347	0.007
30	12	2.300	2.297	0.003
30	13	2.377	2.368	0.009
30	14	2.293	2.294	-0.001
30	15	2.236	2.230	0.007
35	16	2.309	2.296	0.013
35	17	2.238	2.228	0.010
35	18	2.299	2.290	0.008
35	19	2.438	2.426	0.012
35	20	2.250	2.238	0.011
50	30	2.247	2.243	0.003
50	31	2.357	2.350	0.007
50	32	2.299	2.287	0.012
50	33	2.239	2.239	0.001
50	34	2.332	2.316	0.016
55	40	2.328	2.321	0.007
55	41	2.406	2.389	0.017
55	42	2.329	2.309	0.019
55	43	2.313	2.295	0.019
55	44	2.215	2.193	0.022
Max		2.438	2.426	0.022
Average		2.299	2.290	0.009
Min		2.142	2.139	-0.001
Std Dev		0.066	0.065	0.006



41.4 __SoftStart ChargeCurrent					
Test Site					
Tester					
Test Number					
Max Limit		2.76	μA		
Min Limit		1.47	μA		
krad(Si)	0	30	35	50	55
LL	1.470	1.470	1.470	1.470	1.470
Min	2.139	2.230	2.228	2.239	2.193
Average	2.235	2.307	2.296	2.287	2.302
Max	2.312	2.368	2.426	2.350	2.390
UL	2.760	2.760	2.760	2.760	2.760

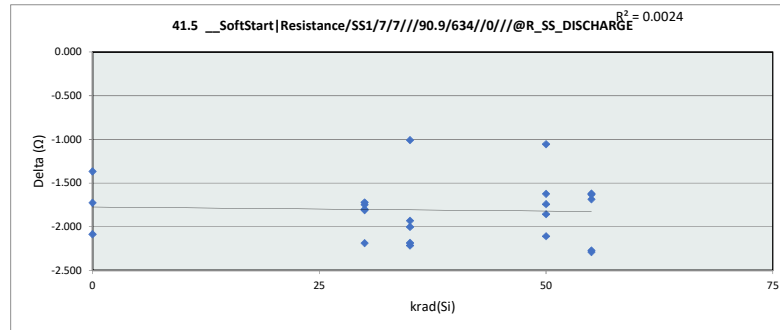


TID HDR Report

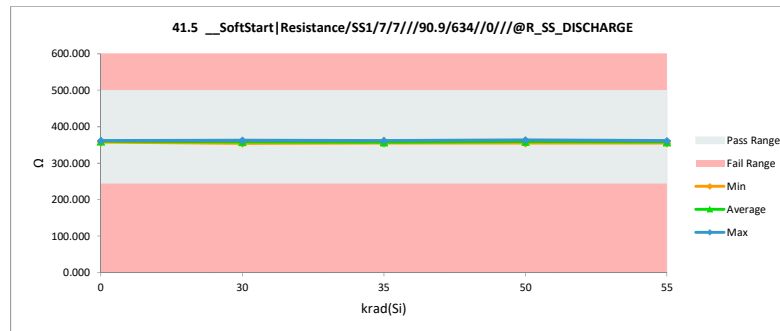
TPS7H4104-SEP

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

41.5 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	359.938	362.021	-2.083
0	2	356.670	358.032	-1.363
0	3	359.569	361.291	-1.723
30	11	354.134	355.941	-1.807
30	12	358.655	360.451	-1.796
30	13	353.031	354.750	-1.718
30	14	357.507	359.251	-1.743
30	15	360.440	362.622	-2.183
35	16	358.893	361.075	-2.181
35	17	355.372	357.370	-1.997
35	18	359.774	361.984	-2.211
35	19	354.183	355.188	-1.005
35	20	353.165	355.092	-1.927
50	30	357.793	359.530	-1.737
50	31	353.484	355.338	-1.853
50	32	359.659	361.762	-2.104
50	33	357.221	358.840	-1.619
50	34	362.692	363.744	-1.051
55	40	354.737	356.355	-1.618
55	41	355.141	357.408	-2.267
55	42	360.134	361.761	-1.627
55	43	357.827	360.113	-2.286
55	44	353.817	355.498	-1.681
Max		362.692	363.744	-1.005
Average		357.123	358.931	-1.808
Min		353.031	354.750	-2.286
Std Dev		2.797	2.845	0.348



41.5 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	358.032	354.750	355.093	355.338	355.498
Average	360.448	358.603	358.142	359.843	358.227
Max	362.021	362.623	361.985	363.744	361.761
UL	499.000	499.000	499.000	499.000	499.000

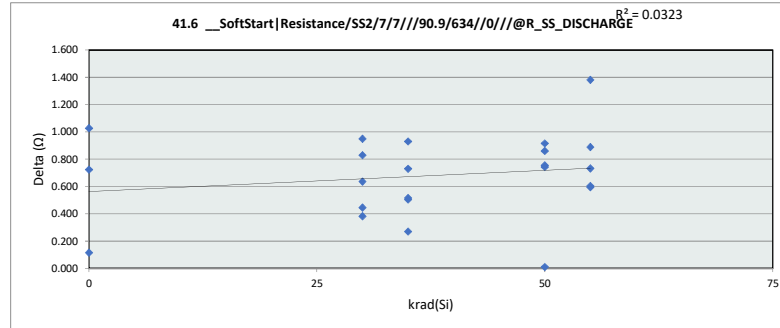


TID HDR Report

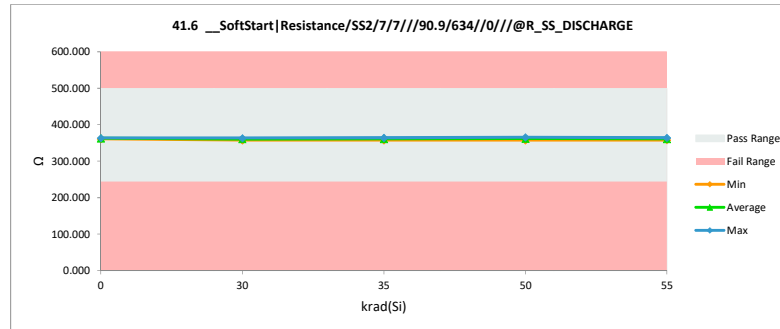
TPS7H4104-SEP

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

41.6 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	364.253	364.136	0.117
0	2	362.063	361.035	1.028
0	3	363.740	363.014	0.726
30	11	358.924	358.540	0.384
30	12	363.995	363.163	0.831
30	13	358.364	357.726	0.638
30	14	361.514	361.067	0.447
30	15	364.587	363.635	0.951
35	16	364.186	363.680	0.507
35	17	360.591	360.319	0.271
35	18	365.026	364.293	0.732
35	19	359.199	358.267	0.932
35	20	358.205	357.686	0.519
50	30	362.678	361.934	0.745
50	31	357.671	357.659	0.012
50	32	363.936	363.074	0.862
50	33	362.077	361.320	0.756
50	34	366.620	365.701	0.918
55	40	359.997	359.400	0.596
55	41	360.813	360.206	0.606
55	42	366.014	364.631	1.383
55	43	363.063	362.172	0.890
55	44	358.991	358.256	0.735
Max		366.620	365.701	1.383
Average		362.022	361.344	0.678
Min		357.671	357.659	0.012
Std Dev		2.662	2.526	0.307



41.6 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	361.035	357.726	357.686	357.659	358.256
Average	362.728	360.826	360.849	361.938	360.933
Max	364.136	363.635	364.293	365.701	364.631
UL	499.000	499.000	499.000	499.000	499.000

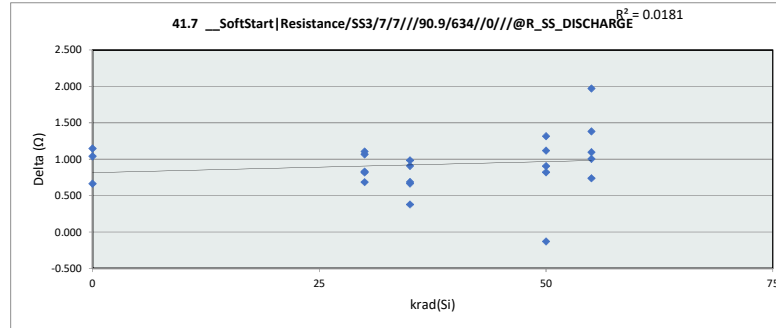


TID HDR Report

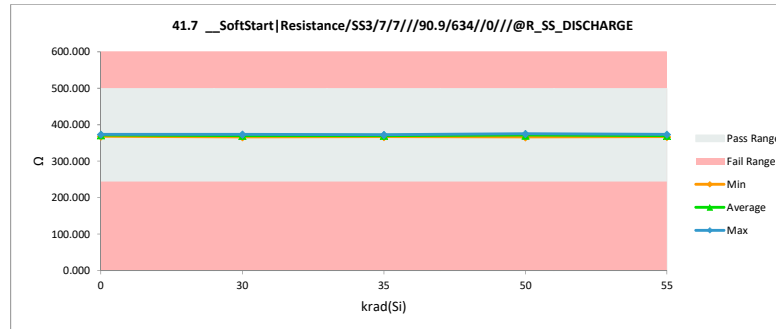
TPS7H4104-SEP

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

41.7 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	374.407	373.738	0.669
0	2	369.514	368.468	1.046
0	3	374.339	373.186	1.153
30	11	369.292	368.182	1.110
30	12	373.299	372.227	1.072
30	13	367.402	366.565	0.837
30	14	372.651	371.960	0.691
30	15	374.775	373.952	0.823
35	16	373.831	372.918	0.913
35	17	370.487	369.815	0.672
35	18	373.932	372.941	0.991
35	19	368.919	368.535	0.384
35	20	367.858	367.164	0.693
50	30	370.702	369.875	0.826
50	31	367.271	366.360	0.911
50	32	373.866	373.990	-0.124
50	33	372.126	370.804	1.322
50	34	376.676	375.553	1.123
55	40	368.331	367.587	0.743
55	41	370.644	369.542	1.102
55	42	375.509	374.123	1.386
55	43	373.563	371.587	1.977
55	44	367.971	366.960	1.010
Max		376.676	375.553	1.977
Average		371.624	370.697	0.927
Min		367.271	366.360	-0.124
Std Dev		2.894	2.842	0.392



41.7 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	368.468	366.565	367.164	366.360	366.960
Average	371.797	370.577	370.275	371.316	369.960
Max	373.738	373.952	372.941	375.553	374.123
UL	499.000	499.000	499.000	499.000	499.000

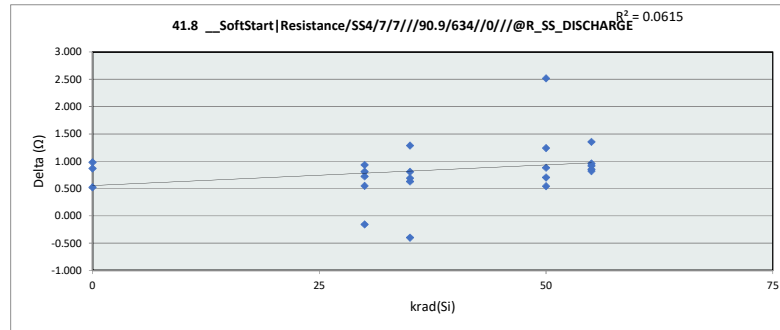


TID HDR Report

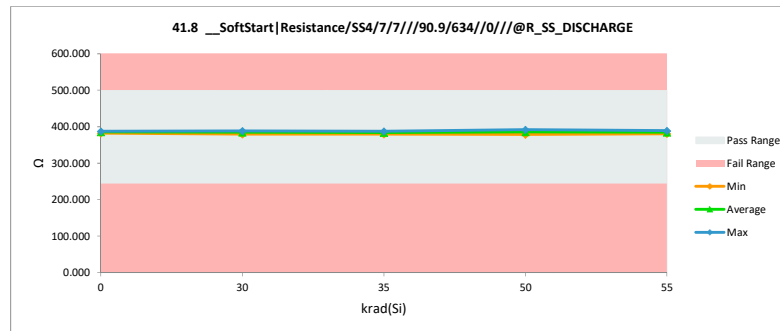
TPS7H4104-SEP

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

41.8 __SoftStart Resistance/SS				
Test Site				
Tester				
Test Number				
Unit		Ω	Ω	
Max Limit		513	499	
Min Limit		230	244	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	387.794	387.266	0.528
0	2	383.493	382.619	0.874
0	3	388.493	387.508	0.985
30	11	383.776	382.837	0.939
30	12	387.448	387.599	-0.151
30	13	380.586	379.772	0.814
30	14	387.389	386.660	0.729
30	15	389.027	388.475	0.553
35	16	388.233	387.538	0.695
35	17	383.964	383.329	0.635
35	18	388.441	387.630	0.811
35	19	381.437	380.145	1.292
35	20	381.029	381.422	-0.393
50	30	385.222	384.513	0.709
50	31	379.977	379.091	0.886
50	32	387.400	386.850	0.549
50	33	387.828	385.305	2.523
50	34	393.364	392.117	1.247
55	40	383.474	382.647	0.826
55	41	385.304	384.448	0.856
55	42	390.301	388.942	1.359
55	43	388.407	387.484	0.922
55	44	381.704	380.741	0.963
Max		393.364	392.117	2.523
Average		385.830	384.997	0.833
Min		379.977	379.091	-0.393
Std Dev		3.498	3.426	0.539



41.8 __SoftStart Resistance/SS					
Test Site					
Tester					
Test Number					
Max Limit		499	Ω		
Min Limit		244	Ω		
krad(Si)	0	30	35	50	55
LL	244.000	244.000	244.000	244.000	244.000
Min	382.619	379.772	380.145	379.091	380.741
Average	385.798	385.069	384.013	385.575	384.853
Max	387.508	388.475	387.630	392.117	388.942
UL	499.000	499.000	499.000	499.000	499.000

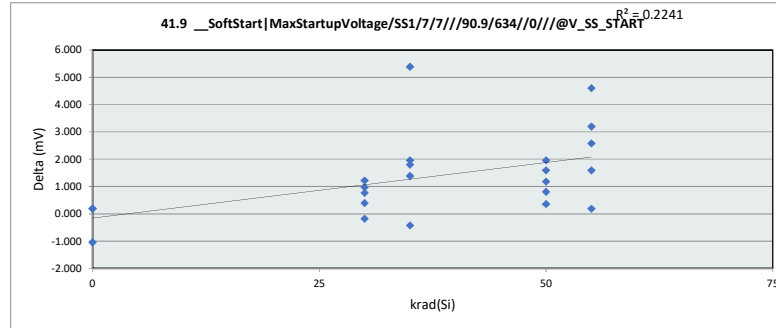


TID HDR Report

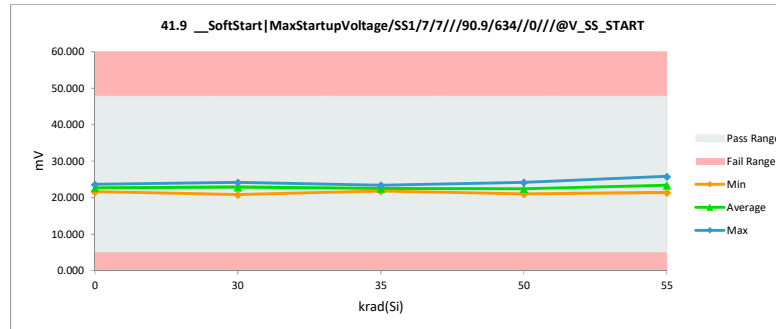
TPS7H4104-SEP

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

41.9 __SoftStart MaxStartupVo				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	47.8	
Min Limit		5	5	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	21.826	22.856	-1.031
0	2	23.846	23.639	0.206
0	3	21.826	21.620	0.206
30	11	23.846	24.010	-0.165
30	12	23.846	22.856	0.989
30	13	21.249	20.837	0.412
30	14	23.433	22.650	0.783
30	15	25.453	24.217	1.237
35	16	21.620	22.032	-0.412
35	17	24.423	22.444	1.979
35	18	24.835	23.433	1.402
35	19	27.226	21.826	5.400
35	20	24.835	23.021	1.814
50	30	25.041	24.217	0.824
50	31	23.227	21.249	1.979
50	32	23.639	22.444	1.195
50	33	21.414	21.043	0.371
50	34	24.835	23.227	1.608
55	40	26.030	21.414	4.617
55	41	26.030	25.824	0.206
55	42	26.236	23.021	3.215
55	43	25.247	22.650	2.597
55	44	25.618	24.010	1.608
Max		27.226	25.824	5.400
Average		24.156	22.806	1.349
Min		21.249	20.837	-1.031
Std Dev		1.695	1.206	1.520



41.9 __SoftStart MaxStartupVo					
Test Site					
Tester					
Test Number					
Max Limit		47.8	mV		
Min Limit		5	mV		
krad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	21.620	20.837	21.826	21.043	21.414
Average	22.705	22.914	22.551	22.436	23.384
Max	23.640	24.217	23.433	24.217	25.824
UL	47.800	47.800	47.800	47.800	47.800

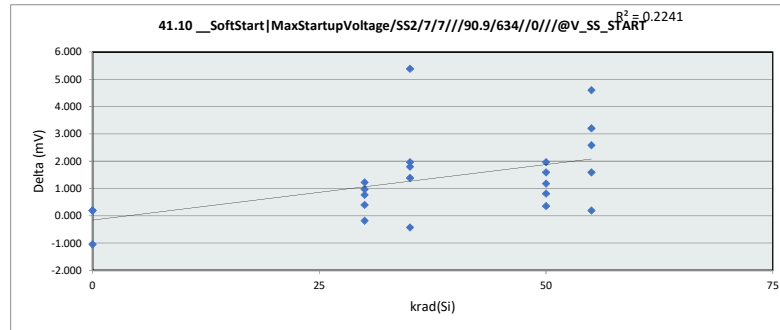


TID HDR Report

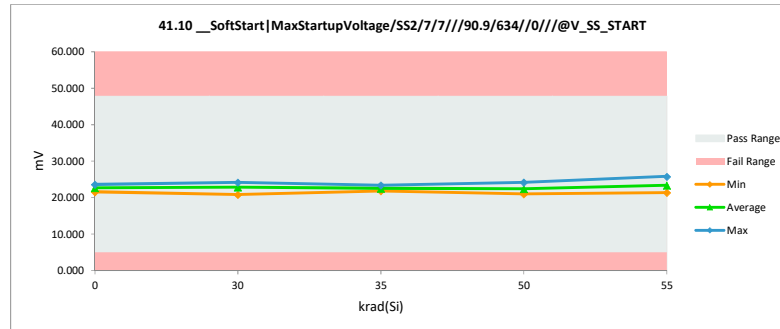
TPS7H4104-SEP

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

41.10 __SoftStart MaxStartupVd				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	47.8	
Min Limit		5	5	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	21.826	22.856	-1.031
0	2	23.846	23.639	0.206
0	3	21.826	21.620	0.206
30	11	23.846	24.010	-0.165
30	12	23.846	22.856	0.989
30	13	21.249	20.837	0.412
30	14	23.433	22.650	0.783
30	15	25.453	24.217	1.237
35	16	21.620	22.032	-0.412
35	17	24.423	22.444	1.979
35	18	24.835	23.433	1.402
35	19	27.226	21.826	5.400
35	20	24.835	23.021	1.814
50	30	25.041	24.217	0.824
50	31	23.227	21.249	1.979
50	32	23.639	22.444	1.195
50	33	21.414	21.043	0.371
50	34	24.835	23.227	1.608
55	40	26.030	21.414	4.617
55	41	26.030	25.824	0.206
55	42	26.236	23.021	3.215
55	43	25.247	22.650	2.597
55	44	25.618	24.010	1.608
Max		27.226	25.824	5.400
Average		24.156	22.806	1.349
Min		21.249	20.837	-1.031
Std Dev		1.695	1.206	1.520



41.10 __SoftStart MaxStartup					
Test Site					
Tester					
Test Number					
Max Limit		47.8	mV		
Min Limit		5	mV		
krad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	21.620	20.837	21.826	21.043	21.414
Average	22.705	22.914	22.551	22.436	23.384
Max	23.640	24.217	23.433	24.217	25.824
UL	47.800	47.800	47.800	47.800	47.800

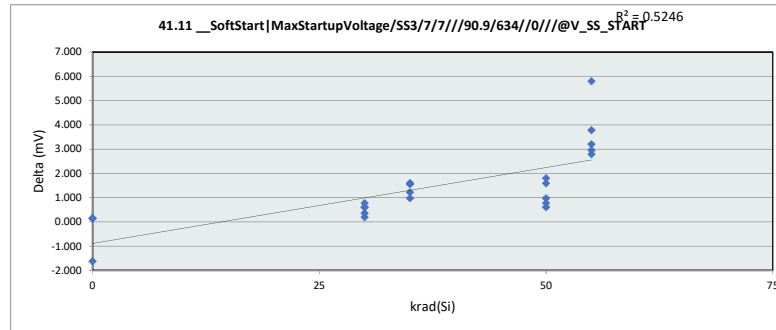


TID HDR Report

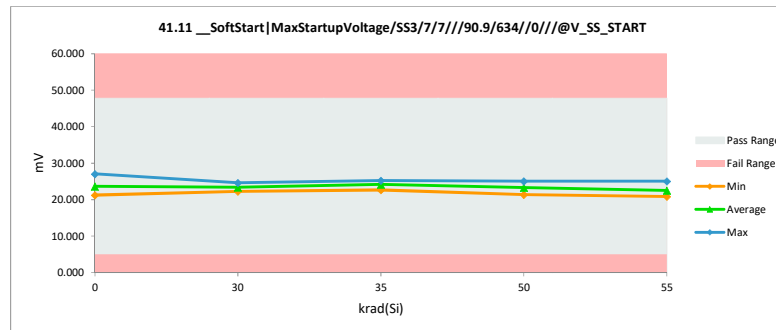
TPS7H4104-SEP

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

41.11 __SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	50	47.8		
Min Limit	5	5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	21.043	22.650	-1.608
0	2	27.226	27.061	0.165
0	3	21.414	21.249	0.165
30	11	24.629	24.010	0.618
30	12	23.639	23.433	0.206
30	13	25.247	24.629	0.618
30	14	23.021	22.238	0.783
30	15	23.021	22.650	0.371
35	16	24.217	22.650	1.566
35	17	25.247	24.010	1.237
35	18	25.824	24.835	0.989
35	19	26.855	25.247	1.608
35	20	25.824	24.217	1.608
50	30	25.453	23.846	1.608
50	31	22.032	21.414	0.618
50	32	26.855	25.041	1.814
50	33	23.639	22.650	0.989
50	34	24.423	23.639	0.783
55	40	27.844	25.041	2.803
55	41	25.824	22.856	2.968
55	42	26.649	20.837	5.812
55	43	24.835	21.043	3.792
55	44	26.236	23.021	3.215
Max		27.844	27.061	5.812
Average		24.826	23.403	1.423
Min		21.043	20.837	-1.608
Std Dev		1.856	1.540	1.519



41.11 __SoftStart MaxStartupVoltage					
Test Site					
Tester					
Test Number					
Max Limit	47.8	mV			
Min Limit	5	mV			
krad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	21.249	22.238	22.650	21.414	20.837
Average	23.653	23.392	24.192	23.318	22.560
Max	27.061	24.629	25.247	25.041	25.041
UL	47.800	47.800	47.800	47.800	47.800

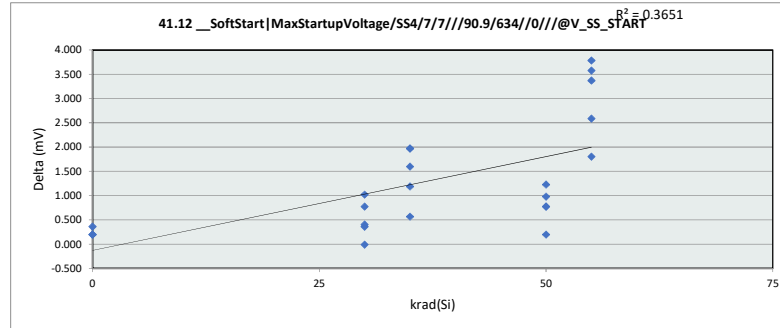


TID HDR Report

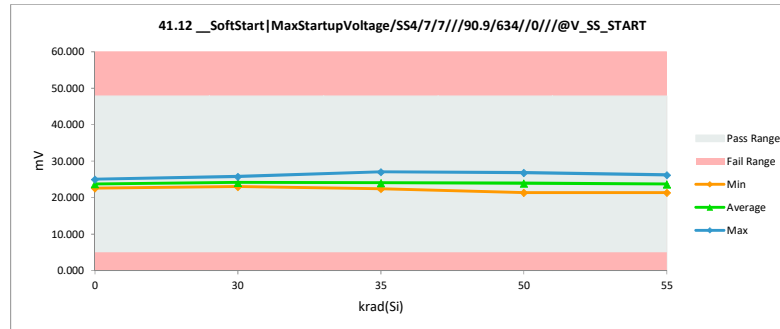
TPS7H4104-SEP

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

41.12 __SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	50	47.8		
Min Limit	5	5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	25.247	25.041	0.206
0	2	23.846	23.639	0.206
0	3	23.021	22.650	0.371
30	11	24.217	23.433	0.783
30	12	24.010	23.639	0.371
30	13	25.453	25.041	0.412
30	14	26.855	25.824	1.031
30	15	23.021	23.021	0.000
35	16	25.618	24.010	1.608
35	17	29.039	27.061	1.979
35	18	23.021	22.444	0.577
35	19	24.423	23.227	1.195
35	20	25.618	23.639	1.979
50	30	24.217	23.227	0.989
50	31	22.650	21.414	1.237
50	32	24.835	24.629	0.206
50	33	27.638	26.855	0.783
50	34	24.629	23.846	0.783
55	40	25.041	23.227	1.814
55	41	24.010	21.414	2.597
55	42	29.823	26.236	3.586
55	43	28.421	25.041	3.380
55	44	26.649	22.856	3.792
Max		29.823	27.061	3.792
Average		25.274	23.975	1.299
Min		22.650	21.414	0.000
Std Dev		1.977	1.536	1.129



41.12 __SoftStart MaxStartupVoltage					
Test Site					
Tester					
Test Number					
Max Limit	47.8	mV			
Min Limit	5	mV			
krad(Si)	0	30	35	50	55
LL	5.000	5.000	5.000	5.000	5.000
Min	22.650	23.021	22.444	21.414	21.414
Average	23.777	24.192	24.076	23.994	23.755
Max	25.041	25.824	27.061	26.855	26.236
UL	47.800	47.800	47.800	47.800	47.800

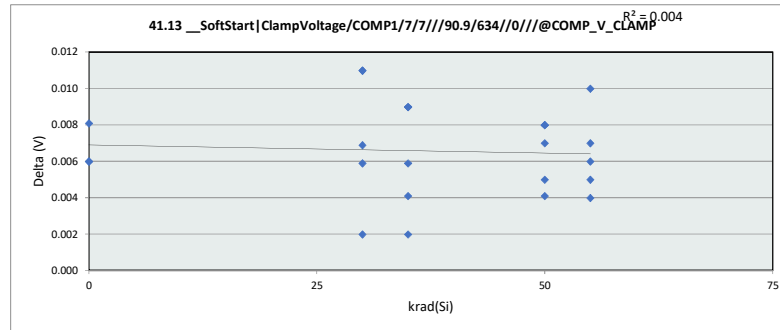


TID HDR Report

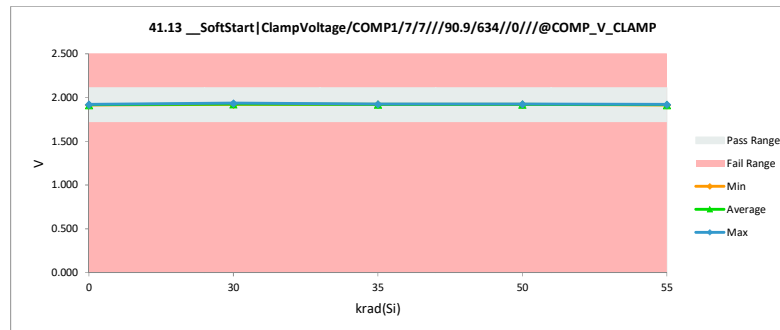
TPS7H4104-SEP

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

41.13 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.928	1.921	0.006
0	2	1.923	1.916	0.006
0	3	1.925	1.916	0.008
30	11	1.923	1.921	0.002
30	12	1.931	1.925	0.006
30	13	1.942	1.936	0.007
30	14	1.937	1.926	0.011
30	15	1.936	1.925	0.011
35	16	1.923	1.921	0.002
35	17	1.934	1.925	0.009
35	18	1.931	1.925	0.006
35	19	1.931	1.923	0.009
35	20	1.926	1.921	0.004
50	30	1.926	1.921	0.005
50	31	1.934	1.926	0.008
50	32	1.929	1.923	0.007
50	33	1.926	1.921	0.004
50	34	1.934	1.926	0.008
55	40	1.929	1.923	0.007
55	41	1.921	1.916	0.005
55	42	1.923	1.916	0.006
55	43	1.921	1.916	0.004
55	44	1.926	1.916	0.010
	Max	1.942	1.936	0.011
	Average	1.929	1.922	0.007
	Min	1.921	1.916	0.002
	Std Dev	0.006	0.005	0.002



41.13 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.917	1.922	1.922	1.922	1.916
Average	1.918	1.926	1.923	1.923	1.918
Max	1.922	1.936	1.925	1.926	1.923
UL	2.110	2.110	2.110	2.110	2.110

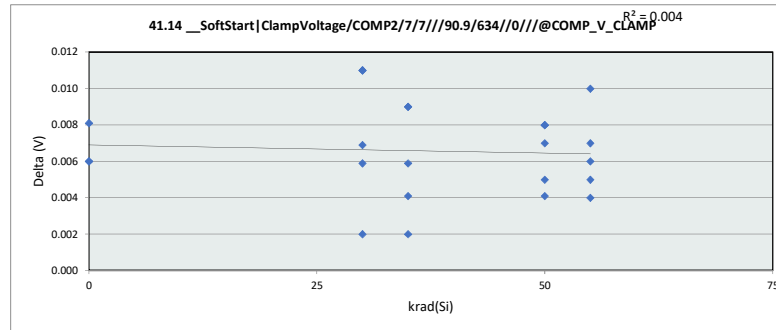


TID HDR Report

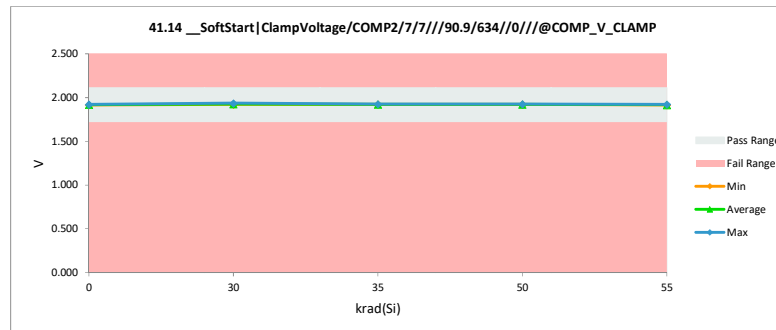
TPS7H4104-SEP

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

41.14 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.928	1.921	0.006
0	2	1.923	1.916	0.006
0	3	1.925	1.916	0.008
30	11	1.923	1.921	0.002
30	12	1.931	1.925	0.006
30	13	1.942	1.936	0.007
30	14	1.937	1.926	0.011
30	15	1.936	1.925	0.011
35	16	1.923	1.921	0.002
35	17	1.934	1.925	0.009
35	18	1.931	1.925	0.006
35	19	1.931	1.923	0.009
35	20	1.926	1.921	0.004
50	30	1.926	1.921	0.005
50	31	1.934	1.926	0.008
50	32	1.929	1.923	0.007
50	33	1.926	1.921	0.004
50	34	1.934	1.926	0.008
55	40	1.929	1.923	0.007
55	41	1.921	1.916	0.005
55	42	1.923	1.916	0.006
55	43	1.921	1.916	0.004
55	44	1.926	1.916	0.010
Max		1.942	1.936	0.011
Average		1.929	1.922	0.007
Min		1.921	1.916	0.002
Std Dev		0.006	0.005	0.002



41.14 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.917	1.922	1.922	1.922	1.916
Average	1.918	1.926	1.923	1.923	1.918
Max	1.922	1.936	1.925	1.926	1.923
UL	2.110	2.110	2.110	2.110	2.110

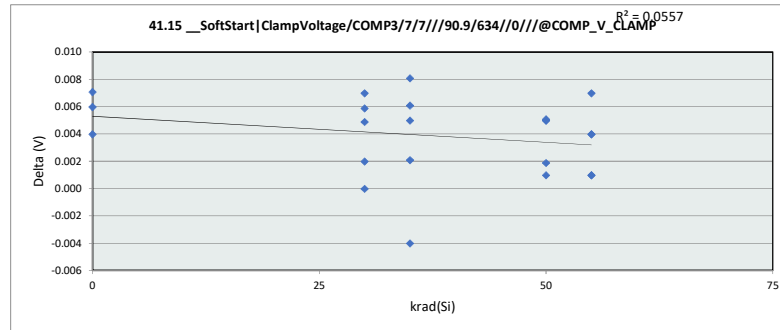


TID HDR Report

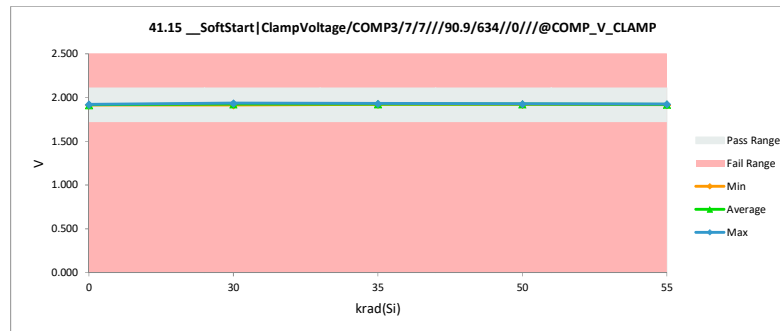
TPS7H4104-SEP

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

41.15 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.929	1.923	0.006
0	2	1.921	1.916	0.004
0	3	1.925	1.918	0.007
30	11	1.921	1.921	0.000
30	12	1.939	1.931	0.007
30	13	1.941	1.937	0.005
30	14	1.931	1.925	0.006
30	15	1.918	1.916	0.002
35	16	1.925	1.923	0.002
35	17	1.935	1.926	0.008
35	18	1.931	1.926	0.005
35	19	1.938	1.931	0.006
35	20	1.926	1.931	-0.004
50	30	1.928	1.926	0.002
50	31	1.933	1.928	0.005
50	32	1.928	1.923	0.005
50	33	1.923	1.921	0.001
50	34	1.934	1.929	0.005
55	40	1.926	1.923	0.004
55	41	1.928	1.926	0.001
55	42	1.923	1.923	0.001
55	43	1.921	1.918	0.004
55	44	1.929	1.921	0.007
Max		1.941	1.937	0.008
Average		1.928	1.924	0.004
Min		1.918	1.916	-0.004
Std Dev		0.006	0.005	0.003



41.15 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.917	1.917	1.923	1.922	1.918
Average	1.919	1.926	1.928	1.925	1.922
Max	1.923	1.937	1.932	1.929	1.927
UL	2.110	2.110	2.110	2.110	2.110

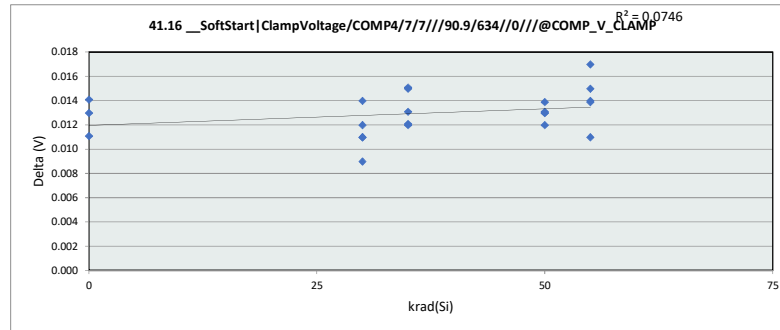


TID HDR Report

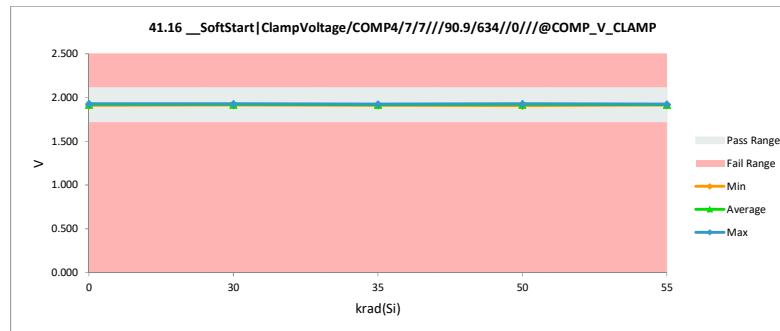
TPS7H4104-SEP

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

41.16 __SoftStart ClampVoltage				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.13	2.11		
Min Limit	1.7	1.72		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1.941	1.929	0.013
0	2	1.926	1.911	0.014
0	3	1.934	1.923	0.011
30	11	1.931	1.921	0.009
30	12	1.929	1.916	0.012
30	13	1.939	1.929	0.011
30	14	1.933	1.921	0.011
30	15	1.929	1.916	0.014
35	16	1.936	1.923	0.013
35	17	1.937	1.925	0.012
35	18	1.931	1.916	0.015
35	19	1.935	1.923	0.012
35	20	1.926	1.911	0.015
50	30	1.919	1.908	0.012
50	31	1.939	1.925	0.014
50	32	1.936	1.923	0.013
50	33	1.941	1.929	0.013
50	34	1.938	1.925	0.013
55	40	1.931	1.916	0.014
55	41	1.931	1.916	0.015
55	42	1.939	1.923	0.017
55	43	1.926	1.916	0.011
55	44	1.939	1.925	0.014
Max		1.941	1.929	0.017
Average		1.933	1.920	0.013
Min		1.919	1.908	0.009
Std Dev		0.006	0.006	0.002



41.16 __SoftStart ClampVoltage					
Test Site					
Tester					
Test Number					
Max Limit	2.11	V			
Min Limit	1.72	V			
krad(Si)	0	30	35	50	55
LL	1.720	1.720	1.720	1.720	1.720
Min	1.912	1.916	1.911	1.908	1.916
Average	1.921	1.921	1.919	1.922	1.919
Max	1.929	1.929	1.925	1.929	1.925
UL	2.110	2.110	2.110	2.110	2.110

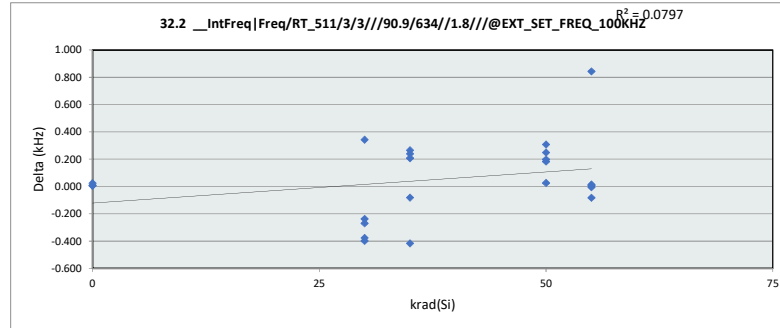


TID HDR Report

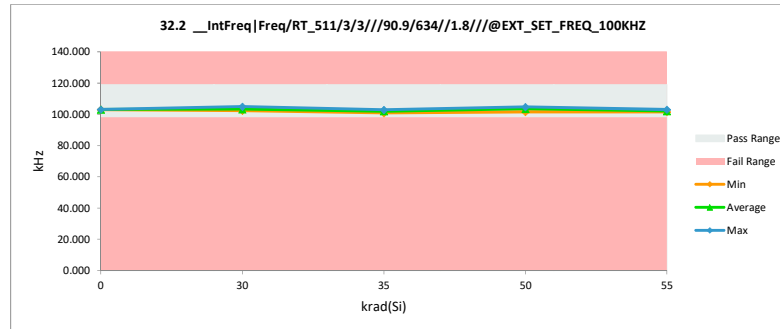
TPS7H4104-SEP

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

32.2 __IntFreq Freq/RT_511/3				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	120	118.9		
Min Limit	97	98.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	103.185	103.159	0.026
0	2	103.043	103.032	0.011
0	3	103.137	103.130	0.007
30	11	102.129	102.364	-0.236
30	12	102.092	102.489	-0.396
30	13	103.090	102.745	0.344
30	14	103.359	103.627	-0.268
30	15	104.541	104.915	-0.374
35	16	102.878	102.611	0.267
35	17	101.080	100.839	0.242
35	18	103.097	102.888	0.209
35	19	101.985	102.400	-0.415
35	20	101.242	101.322	-0.080
50	30	103.587	103.560	0.027
50	31	101.800	101.615	0.185
50	32	104.059	103.749	0.310
50	33	105.008	104.757	0.250
50	34	104.337	104.136	0.201
55	40	101.593	101.596	-0.003
55	41	103.854	103.008	0.846
55	42	102.197	102.277	-0.080
55	43	102.264	102.256	0.008
55	44	101.870	101.854	0.016
Max		105.008	104.915	0.846
Average		102.845	102.797	0.048
Min		101.080	100.839	-0.415
Std Dev		1.073	1.032	0.286



32.2 __IntFreq Freq/RT_511/3					
Test Site					
Tester					
Test Number					
Max Limit	118.9	kHz			
Min Limit	98.2	kHz			
krad(Si)	0	30	35	50	55
LL	98.200	98.200	98.200	98.200	98.200
Min	103.032	102.364	100.839	101.615	101.597
Average	103.107	103.228	102.012	103.563	102.199
Max	103.159	104.916	102.888	104.757	103.009
UL	118.900	118.900	118.900	118.900	118.900

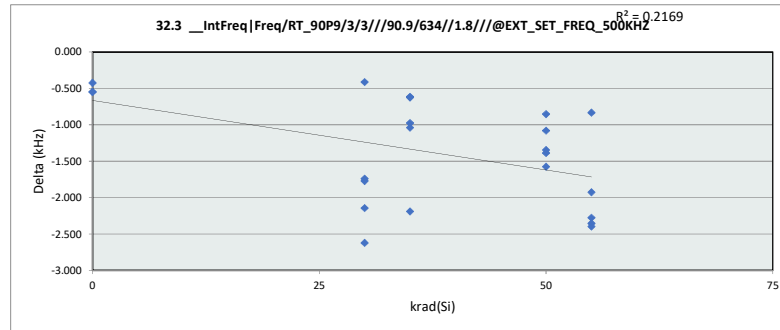


TID HDR Report

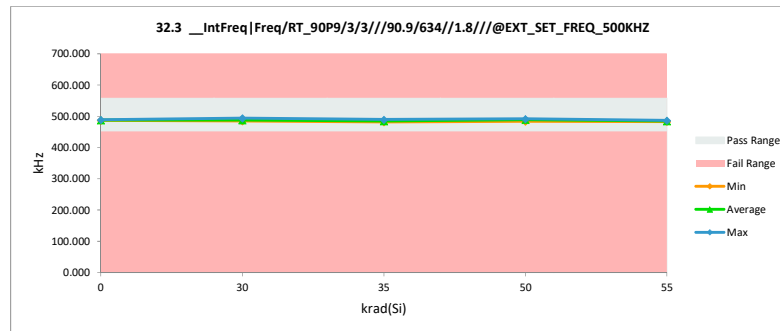
TPS7H4104-SEP

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

32.3 __IntFreq Freq/RT_90P9/				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	564	558.1		
Min Limit	446	451.9		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	488.698	489.241	-0.543
0	2	486.806	487.347	-0.542
0	3	487.578	487.997	-0.419
30	11	482.685	485.302	-2.617
30	12	487.328	489.094	-1.766
30	13	487.430	487.836	-0.406
30	14	485.961	487.695	-1.734
30	15	491.939	494.078	-2.139
35	16	485.997	486.618	-0.621
35	17	481.577	482.188	-0.611
35	18	488.897	489.930	-1.033
35	19	483.495	485.678	-2.183
35	20	481.494	482.465	-0.972
50	30	487.755	489.137	-1.382
50	31	483.030	483.878	-0.847
50	32	488.173	489.248	-1.075
50	33	490.290	491.860	-1.570
50	34	488.859	490.199	-1.340
55	40	482.102	484.022	-1.920
55	41	486.290	487.118	-0.828
55	42	484.480	486.750	-2.271
55	43	482.223	484.616	-2.393
55	44	481.303	483.651	-2.347
Max		491.939	494.078	-0.406
Average		485.843	487.215	-1.372
Min		481.303	482.188	-2.617
Std Dev		3.101	2.992	0.724



32.3 __IntFreq Freq/RT_90P9/					
Test Site					
Tester					
Test Number					
Max Limit	558.1	kHz			
Min Limit	451.9	kHz			
krad(Si)	0	30	35	50	55
LL	451.900	451.900	451.900	451.900	451.900
Min	487.347	485.303	482.188	483.878	483.651
Average	488.195	488.801	485.376	488.864	485.232
Max	489.241	494.078	489.930	491.860	487.118
UL	558.100	558.100	558.100	558.100	558.100

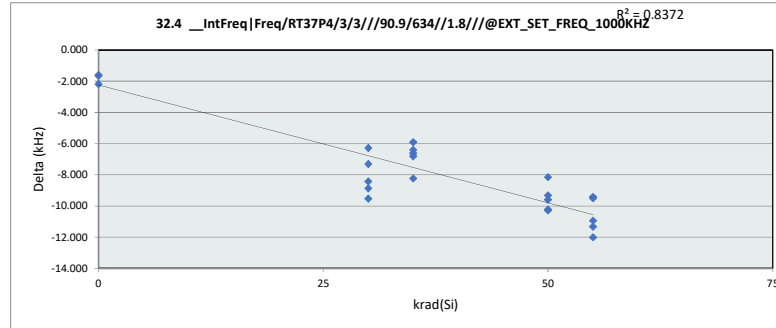


TID HDR Report

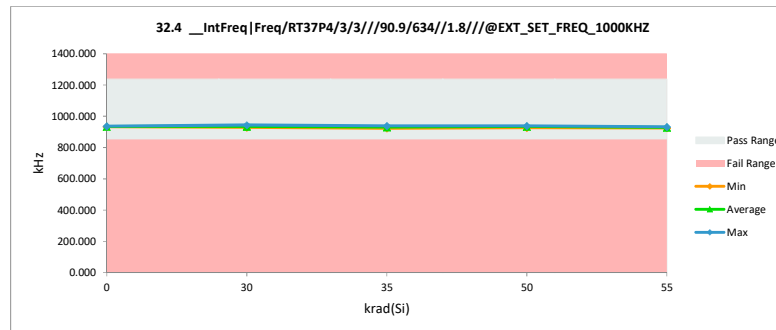
TPS7H4104-SEP

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

32.4 __IntFreq Freq/RT37P4/3				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	1260	1238.6		
Min Limit	812	852.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	934.993	937.156	-2.162
0	2	931.994	933.627	-1.633
0	3	933.123	934.695	-1.572
30	11	921.061	929.903	-8.842
30	12	932.151	939.437	-7.286
30	13	927.460	933.720	-6.260
30	14	924.472	932.875	-8.404
30	15	934.742	944.248	-9.506
35	16	926.287	932.169	-5.882
35	17	917.433	923.820	-6.387
35	18	933.534	940.133	-6.599
35	19	922.907	931.119	-8.212
35	20	916.510	923.303	-6.793
50	30	928.618	937.917	-9.299
50	31	918.993	927.127	-8.135
50	32	925.535	935.737	-10.202
50	33	927.847	937.425	-9.578
50	34	928.761	939.028	-10.267
55	40	918.939	928.337	-9.398
55	41	921.915	931.402	-9.487
55	42	921.177	932.477	-11.300
55	43	916.856	928.846	-11.991
55	44	915.320	926.242	-10.922
	Max	934.993	944.248	-1.572
	Average	925.245	933.076	-7.831
	Min	915.320	923.303	-11.991
	Std Dev	6.332	5.400	2.909



32.4 __IntFreq Freq/RT37P4					
Test Site					
Tester					
Test Number					
Max Limit	1238.6	kHz			
Min Limit	852.5	kHz			
krad(Si)	0	30	35	50	55
LL	852.500	852.500	852.500	852.500	852.500
Min	933.627	929.903	923.303	927.127	926.242
Average	935.159	936.037	930.109	935.447	929.461
Max	937.156	944.248	940.133	939.028	932.477
UL	1238.600	1238.600	1238.600	1238.600	1238.600

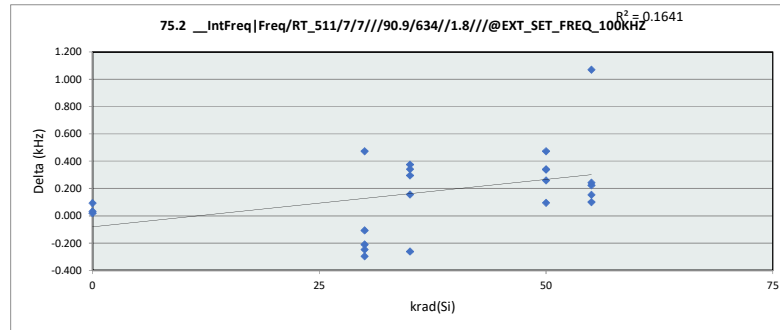


TID HDR Report

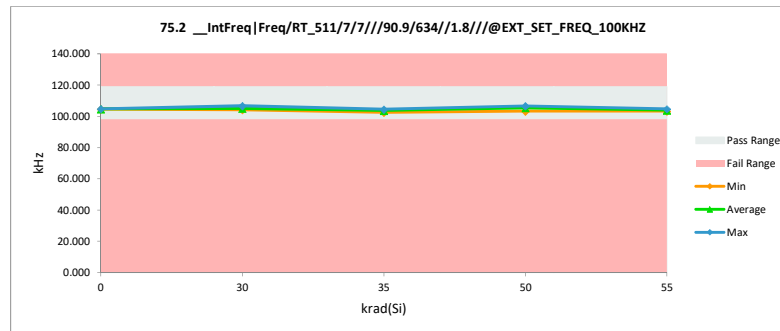
TPS7H4104-SEP

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

75.2 __IntFreq Freq/RT_511/7				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	120	118.9		
Min Limit	97	98.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	104.874	104.838	0.036
0	2	104.755	104.659	0.096
0	3	104.801	104.779	0.022
30	11	104.034	104.241	-0.206
30	12	103.913	104.205	-0.293
30	13	105.080	104.604	0.477
30	14	105.243	105.347	-0.104
30	15	106.490	106.734	-0.244
35	16	104.818	104.440	0.379
35	17	102.829	102.484	0.345
35	18	104.792	104.493	0.299
35	19	103.761	104.020	-0.259
35	20	103.156	102.997	0.160
50	30	105.549	105.451	0.099
50	31	103.607	103.264	0.343
50	32	106.034	105.557	0.476
50	33	106.871	106.608	0.263
50	34	106.243	105.901	0.342
55	40	103.325	103.221	0.104
55	41	105.825	104.752	1.073
55	42	104.007	103.851	0.156
55	43	104.352	104.106	0.246
55	44	103.731	103.505	0.226
Max		106.871	106.734	1.073
Average		104.700	104.524	0.175
Min		102.829	102.484	-0.293
Std Dev		1.108	1.084	0.302



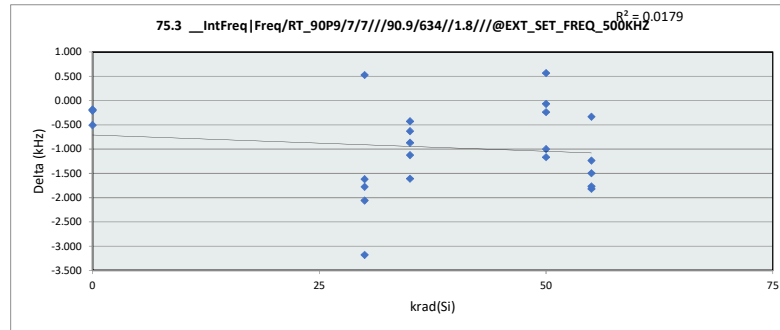
75.2 __IntFreq Freq/RT_511/7					
Test Site					
Tester					
Test Number					
Max Limit	118.9	kHz			
Min Limit	98.2	kHz			
krad(Si)	0	30	35	50	55
LL	98.200	98.200	98.200	98.200	98.200
Min	104.659	104.205	102.484	103.264	103.221
Average	104.758	105.026	103.687	105.356	103.887
Max	104.838	106.734	104.493	106.608	104.752
UL	118.900	118.900	118.900	118.900	118.900



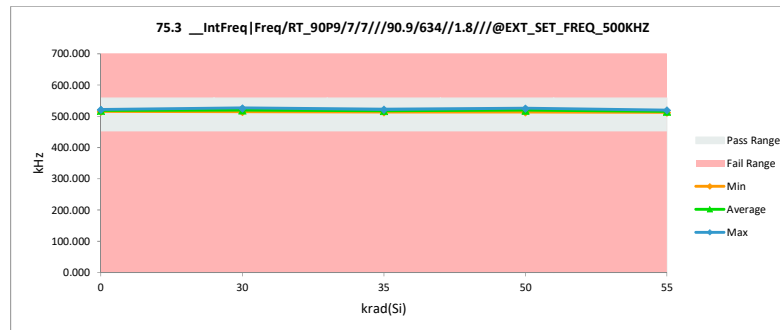
TID HDR Report TPS7H4104-SEP

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

75.3 __IntFreq Freq/RT_90P9/				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	564	558.1		
Min Limit	446	451.9		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	521.362	521.860	-0.498
0	2	515.568	515.744	-0.177
0	3	519.356	519.554	-0.198
30	11	511.751	514.924	-3.174
30	12	518.572	520.186	-1.615
30	13	520.536	520.001	0.535
30	14	516.140	517.908	-1.768
30	15	524.472	526.522	-2.050
35	16	520.285	520.907	-0.622
35	17	513.298	514.159	-0.861
35	18	521.011	522.128	-1.117
35	19	515.888	517.492	-1.604
35	20	513.478	513.899	-0.421
50	30	517.885	518.118	-0.233
50	31	514.343	513.769	0.574
50	32	519.085	519.145	-0.060
50	33	524.657	525.818	-1.161
50	34	519.536	520.529	-0.993
55	40	511.144	512.905	-1.761
55	41	518.298	518.625	-0.327
55	42	518.354	520.165	-1.812
55	43	512.784	514.275	-1.491
55	44	512.889	514.116	-1.227
Max		524.657	526.522	0.574
Average		517.421	518.380	-0.959
Min		511.144	512.905	-3.174
Std Dev		3.847	3.778	0.892



75.3 __IntFreq Freq/RT_90P9/					
Test Site					
Tester					
Test Number					
Max Limit	558.1	kHz			
Min Limit	451.9	kHz			
krad(Si)	0	30	35	50	55
LL	451.900	451.900	451.900	451.900	451.900
Min	515.744	514.924	513.899	513.769	512.905
Average	519.053	519.908	517.717	519.476	516.017
Max	521.860	526.522	522.128	525.818	520.165
UL	558.100	558.100	558.100	558.100	558.100

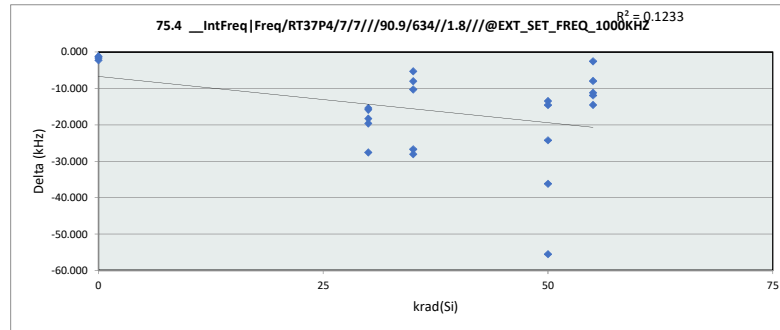


TID HDR Report

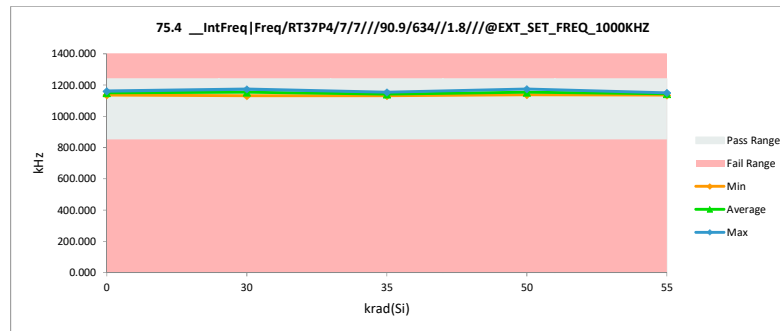
TPS7H4104-SEP

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

75.4 __IntFreq Freq/RT37P4/7				
Test Site				
Tester				
Test Number				
Unit	kHz	kHz		
Max Limit	1260	1238.6		
Min Limit	812	852.5		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	1154.424	1156.591	-2.167
0	2	1135.798	1136.885	-1.087
0	3	1159.644	1161.164	-1.520
30	11	1103.829	1131.351	-27.522
30	12	1141.171	1159.411	-18.240
30	13	1141.235	1156.995	-15.760
30	14	1132.128	1151.678	-19.551
30	15	1158.189	1173.494	-15.306
35	16	1137.272	1142.472	-5.199
35	17	1124.221	1132.142	-7.921
35	18	1144.465	1154.681	-10.216
35	19	1117.724	1145.704	-27.980
35	20	1109.429	1136.078	-26.649
50	30	1141.395	1154.760	-13.365
50	31	1107.356	1143.468	-36.112
50	32	1113.718	1137.896	-24.178
50	33	1143.168	1157.683	-14.514
50	34	1118.966	1174.439	-55.474
55	40	1130.524	1144.960	-14.437
55	41	1139.642	1150.780	-11.139
55	42	1136.315	1148.164	-11.849
55	43	1133.061	1135.532	-2.471
55	44	1137.413	1145.296	-7.883
Max		1159.644	1174.439	-1.087
Average		1133.091	1149.201	-16.110
Min		1103.829	1131.351	-55.474
Std Dev		15.512	11.879	12.752



75.4 __IntFreq Freq/RT37P4/7					
Test Site					
Tester					
Test Number					
Max Limit	1238.6	kHz			
Min Limit	852.5	kHz			
krad(Si)	0	30	35	50	55
LL	852.500	852.500	852.500	852.500	852.500
Min	1136.885	1131.351	1132.142	1137.896	1135.532
Average	1151.547	1154.586	1142.215	1153.649	1144.946
Max	1161.164	1173.494	1154.681	1174.439	1150.780
UL	1238.600	1238.600	1238.600	1238.600	1238.600

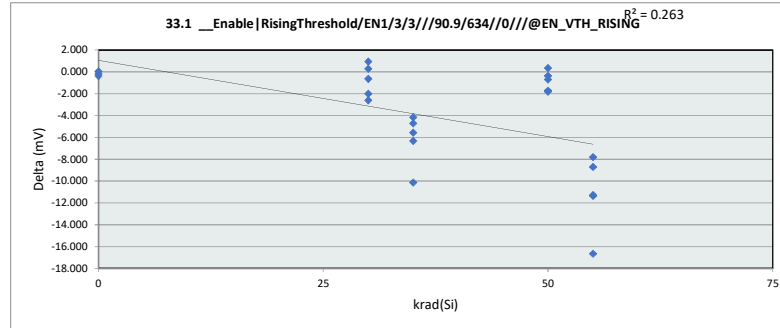


TID HDR Report

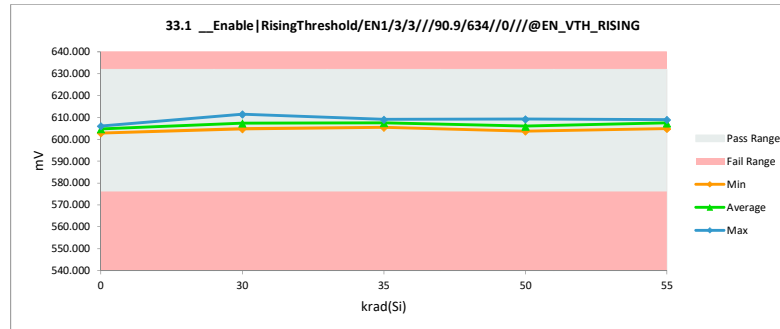
TPS7H4104-SEP

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

33.1 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		635	631.9	
Min Limit		573	576.1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	605.970	606.124	-0.154
0	2	602.511	602.859	-0.348
0	3	605.329	605.245	0.084
30	11	608.031	607.049	0.982
30	12	610.927	611.528	-0.600
30	13	605.914	605.594	0.320
30	14	605.867	607.828	-1.961
30	15	602.231	604.792	-2.560
35	16	602.177	606.311	-4.133
35	17	595.348	605.446	-10.098
35	18	602.762	609.050	-6.288
35	19	603.516	609.041	-5.526
35	20	603.278	607.954	-4.676
50	30	604.151	603.764	0.387
50	31	607.470	609.242	-1.772
50	32	605.949	607.628	-1.679
50	33	604.925	605.254	-0.329
50	34	603.679	604.336	-0.657
55	40	597.157	608.402	-11.245
55	41	588.260	604.871	-16.611
55	42	599.910	608.587	-8.677
55	43	597.687	608.996	-11.309
55	44	598.860	606.630	-7.769
Max		610.927	611.528	0.982
Average		602.692	606.806	-4.114
Min		588.260	602.859	-16.611
Std Dev		4.852	2.127	4.797



33.1 __Enable RisingThreshold					
Test Site					
Tester					
Test Number					
Max Limit	631.9	mV			
Min Limit	576.1	mV			
krad(Si)	0	30	35	50	55
LL	576.100	576.100	576.100	576.100	576.100
Min	602.859	604.792	605.446	603.764	604.871
Average	604.743	607.358	607.560	606.045	607.497
Max	606.124	611.528	609.050	609.242	608.996
UL	631.900	631.900	631.900	631.900	631.900

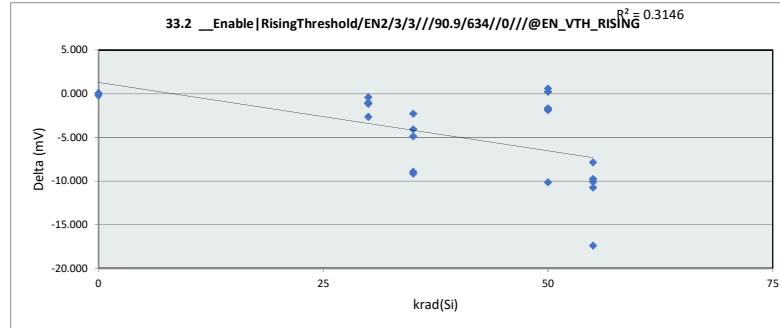


TID HDR Report

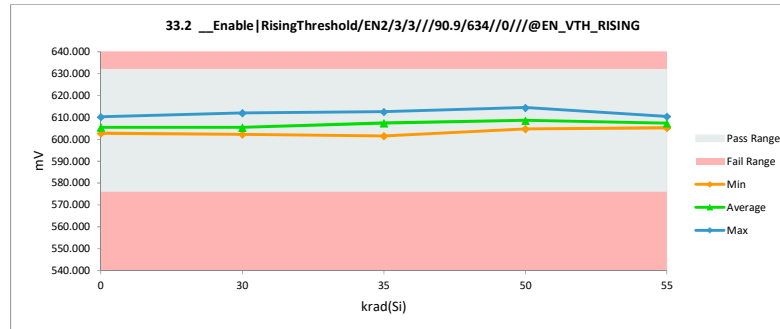
TPS7H4104-SEP

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

33.2 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		635	631.9	
Min Limit		573	576.1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	603.281	603.457	-0.175
0	2	610.366	610.251	0.115
0	3	602.886	602.822	0.064
30	11	601.943	602.320	-0.376
30	12	610.984	612.066	-1.083
30	13	602.735	603.817	-1.082
30	14	603.228	605.841	-2.613
30	15	602.179	603.171	-0.992
35	16	603.592	607.623	-4.030
35	17	592.443	601.562	-9.120
35	18	607.100	609.336	-2.236
35	19	603.689	612.592	-8.903
35	20	601.456	606.303	-4.848
50	30	604.378	614.487	-10.109
50	31	611.397	610.758	0.640
50	32	603.210	604.834	-1.623
50	33	603.401	605.240	-1.839
50	34	608.116	607.854	0.262
55	40	598.096	608.136	-10.041
55	41	593.123	610.484	-17.361
55	42	595.435	606.146	-10.710
55	43	595.544	605.262	-9.718
55	44	598.914	606.735	-7.821
Max		611.397	614.487	0.640
Average		602.500	607.004	-4.504
Min		592.443	601.562	-17.361
Std Dev		5.203	3.551	4.918



33.2 __Enable RisingThreshold					
Test Site					
Tester					
Test Number					
Max Limit	631.9	mV			
Min Limit	576.1	mV			
krad(Si)	0	30	35	50	55
LL	576.100	576.100	576.100	576.100	576.100
Min	602.822	602.320	601.562	604.834	605.262
Average	605.510	605.443	607.483	608.634	607.353
Max	610.251	612.066	612.592	614.487	610.484
UL	631.900	631.900	631.900	631.900	631.900

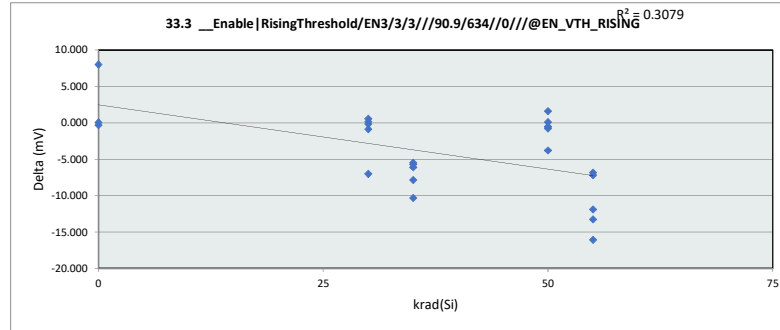


TID HDR Report

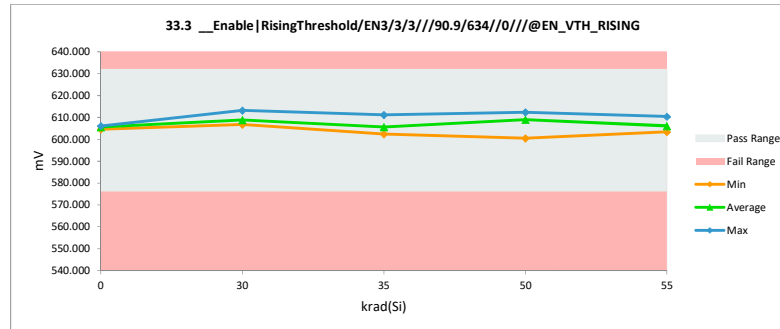
TPS7H4104-SEP

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

33.3 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		635	631.9	
Min Limit		573	576.1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	605.680	605.962	-0.282
0	2	606.213	606.115	0.098
0	3	612.672	604.629	8.043
30	11	606.151	606.970	-0.819
30	12	606.627	606.768	-0.140
30	13	607.928	607.331	0.597
30	14	610.394	610.213	0.181
30	15	606.230	613.188	-6.959
35	16	605.102	611.172	-6.069
35	17	596.251	606.532	-10.282
35	18	598.346	603.793	-5.447
35	19	594.619	602.437	-7.817
35	20	598.731	604.404	-5.673
50	30	602.090	600.463	1.627
50	31	610.399	610.895	-0.496
50	32	611.216	611.955	-0.740
50	33	608.657	612.400	-3.743
50	34	609.599	609.460	0.139
55	40	592.698	604.544	-11.845
55	41	590.773	606.810	-16.037
55	42	597.173	610.407	-13.234
55	43	598.298	605.466	-7.168
55	44	596.579	603.368	-6.789
	Max	612.672	613.188	8.043
	Average	603.149	607.186	-4.037
	Min	590.773	600.463	-16.037
	Std Dev	6.518	3.450	5.610



33.3 __Enable RisingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		631.9	mV		
Min Limit		576.1	mV		
krad(Si)	0	30	35	50	55
LL	576.100	576.100	576.100	576.100	576.100
Min	604.629	606.768	602.437	600.463	603.368
Average	605.569	608.894	605.668	609.035	606.119
Max	606.116	613.188	611.172	612.400	610.407
UL	631.900	631.900	631.900	631.900	631.900

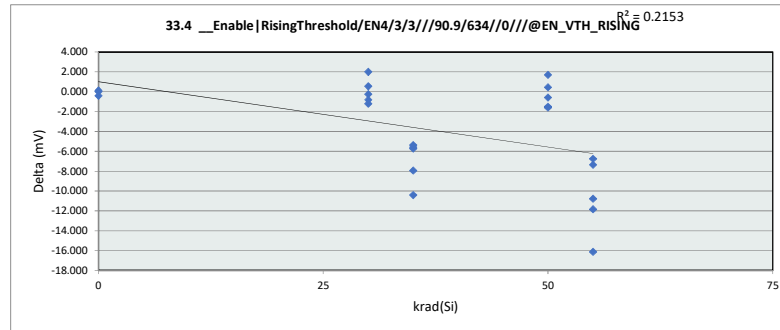


TID HDR Report

TPS7H4104-SEP

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

33.4 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		635	631.9	
Min Limit		573	576.1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	605.523	605.890	-0.367
0	2	606.447	606.390	0.057
0	3	604.579	604.407	0.172
30	11	609.374	607.322	2.052
30	12	606.453	606.658	-0.205
30	13	608.135	607.545	0.590
30	14	609.787	610.556	-0.769
30	15	605.951	607.108	-1.157
35	16	605.429	611.113	-5.684
35	17	595.959	606.324	-10.365
35	18	598.560	603.885	-5.325
35	19	594.775	602.680	-7.905
35	20	598.600	604.149	-5.549
50	30	602.476	600.740	1.737
50	31	609.330	610.804	-1.474
50	32	607.408	607.951	-0.543
50	33	608.493	608.016	0.478
50	34	607.731	609.278	-1.547
55	40	592.487	604.290	-11.803
55	41	590.633	606.732	-16.098
55	42	596.907	607.652	-10.744
55	43	597.971	605.284	-7.312
55	44	596.367	603.088	-6.721
Max		609.787	611.113	2.052
Average		602.582	606.429	-3.847
Min		590.633	600.740	-16.098
Std Dev		6.011	2.652	4.992

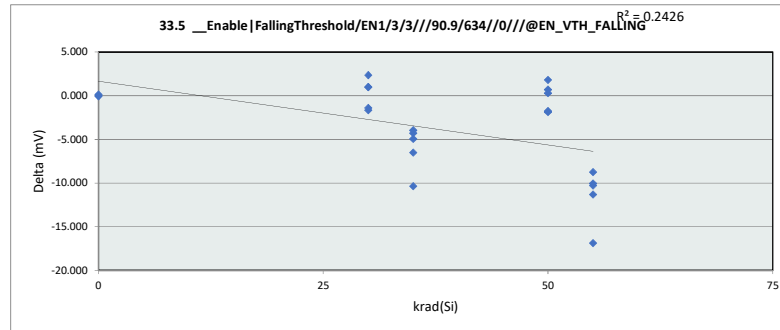


TID HDR Report

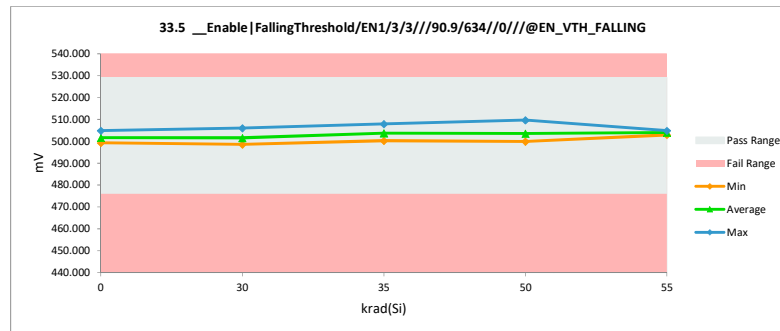
TPS7H4104-SEP

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

33.5 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	500.655	500.627	0.028
0	2	504.889	504.914	-0.026
0	3	499.494	499.323	0.171
30	11	503.173	502.155	1.018
30	12	508.486	506.109	2.377
30	13	500.272	499.231	1.042
30	14	500.269	501.886	-1.617
30	15	497.264	498.619	-1.355
35	16	497.287	501.204	-3.917
35	17	489.944	500.276	-10.333
35	18	501.451	507.919	-6.468
35	19	502.813	507.074	-4.260
35	20	497.297	502.206	-4.909
50	30	510.439	509.697	0.742
50	31	505.943	504.107	1.836
50	32	500.186	502.022	-1.836
50	33	498.212	499.942	-1.730
50	34	502.654	502.330	0.324
55	40	493.352	504.632	-11.279
55	41	488.139	504.964	-16.825
55	42	494.187	502.907	-8.720
55	43	493.192	503.428	-10.236
55	44	494.084	504.092	-10.008
Max		510.439	509.697	2.377
Average		499.291	503.029	-3.738
Min		488.139	498.619	-16.825
Std Dev		5.572	2.897	5.217



33.5 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	499.323	498.619	500.276	499.942	502.907
Average	501.622	501.600	503.736	503.620	504.005
Max	504.914	506.109	507.920	509.697	504.964
UL	529.100	529.100	529.100	529.100	529.100

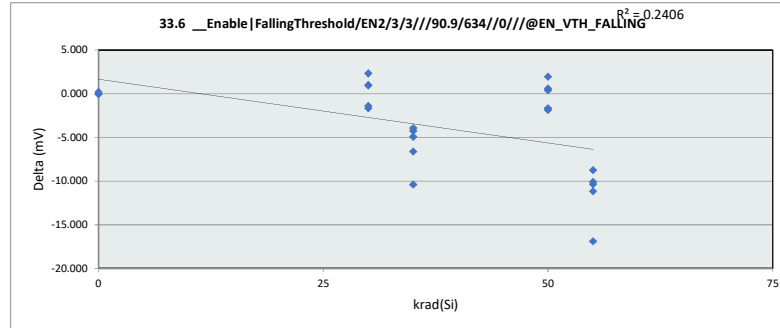


TID HDR Report

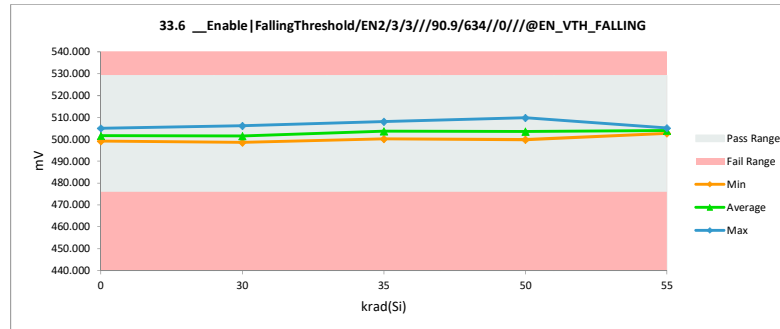
TPS7H4104-SEP

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

33.6 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	500.525	500.500	0.025
0	2	505.065	505.092	-0.027
0	3	499.431	499.214	0.217
30	11	502.986	501.967	1.019
30	12	508.540	506.177	2.363
30	13	500.135	499.143	0.992
30	14	500.123	501.760	-1.637
30	15	497.180	498.547	-1.366
35	16	497.326	501.237	-3.911
35	17	489.771	500.143	-10.371
35	18	501.531	508.113	-6.582
35	19	502.971	507.205	-4.234
35	20	497.148	502.044	-4.896
50	30	510.471	509.837	0.634
50	31	506.103	504.131	1.971
50	32	499.996	501.836	-1.840
50	33	498.255	499.882	-1.626
50	34	502.796	502.377	0.419
55	40	493.368	504.500	-11.131
55	41	488.260	505.126	-16.866
55	42	494.023	502.736	-8.712
55	43	493.032	503.371	-10.338
55	44	494.132	504.203	-10.071
Max		510.471	509.837	2.363
Average		499.268	503.006	-3.738
Min		488.260	498.547	-16.866
Std Dev		5.613	2.987	5.231



33.6 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	499.214	498.547	500.143	499.882	502.736
Average	501.602	501.519	503.749	503.613	503.987
Max	505.092	506.177	508.114	509.837	505.126
UL	529.100	529.100	529.100	529.100	529.100

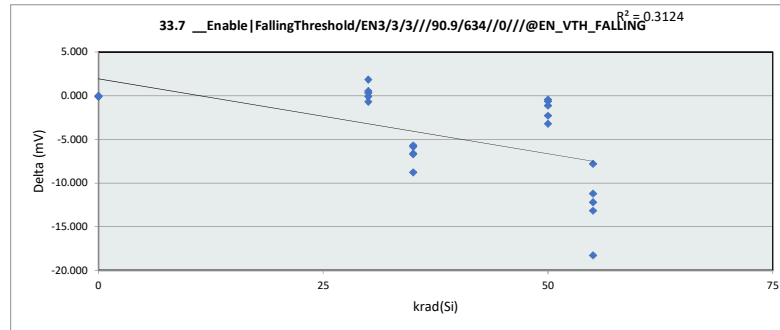


TID HDR Report

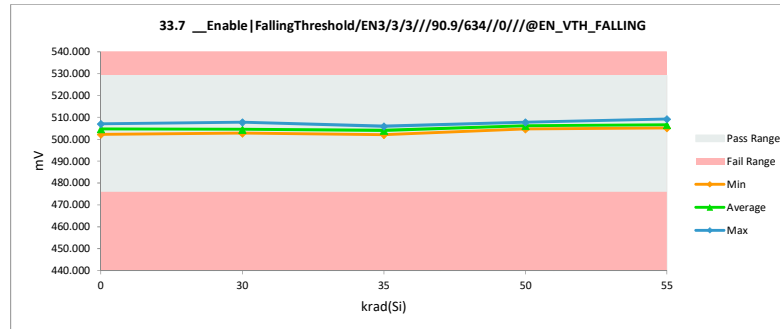
TPS7H4104-SEP

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

33.7 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	532	529.1		
Min Limit	473	476		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	502.263	502.307	-0.045
0	2	504.819	504.874	-0.056
0	3	507.164	507.124	0.040
30	11	504.062	503.479	0.584
30	12	503.172	503.215	-0.043
30	13	504.645	502.759	1.886
30	14	505.009	505.651	-0.641
30	15	508.253	507.896	0.358
35	16	499.878	505.678	-5.801
35	17	493.376	502.114	-8.738
35	18	499.415	505.981	-6.566
35	19	497.185	503.836	-6.651
35	20	497.248	502.887	-5.639
50	30	504.367	504.752	-0.385
50	31	504.742	507.904	-3.162
50	32	505.349	505.936	-0.588
50	33	505.502	506.586	-1.084
50	34	503.826	506.076	-2.250
55	40	495.194	507.339	-12.145
55	41	487.907	506.146	-18.240
55	42	494.052	505.216	-11.165
55	43	496.218	509.330	-13.112
55	44	497.474	505.231	-7.757
Max		508.253	509.330	1.886
Average		500.918	505.318	-4.400
Min		487.907	502.114	-18.240
Std Dev		5.230	1.943	5.402



33.7 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit	529.1	mV			
Min Limit	476	mV			
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	502.307	502.759	502.114	504.752	505.217
Average	504.769	504.600	504.099	506.251	506.653
Max	507.124	507.896	505.981	507.904	509.330
UL	529.100	529.100	529.100	529.100	529.100

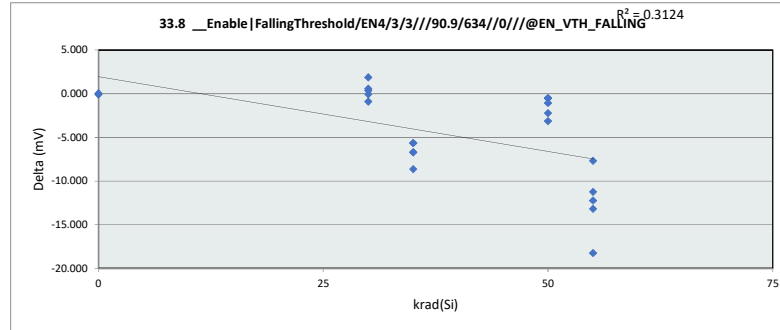


TID HDR Report

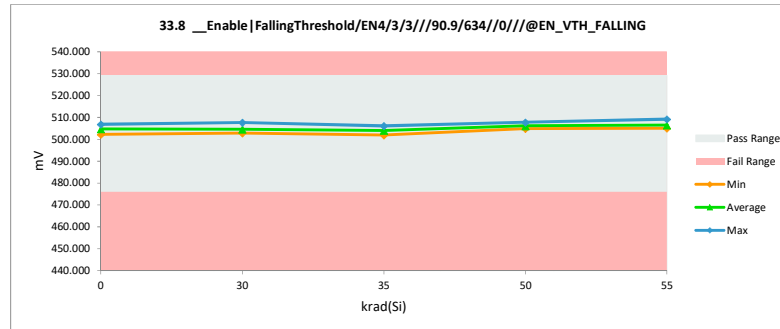
TPS7H4104-SEP

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

33.8 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	502.156	502.187	-0.031
0	2	505.013	505.049	-0.036
0	3	506.993	506.896	0.097
30	11	504.208	503.586	0.621
30	12	503.024	503.052	-0.029
30	13	504.798	502.888	1.909
30	14	504.904	505.757	-0.853
30	15	508.104	507.708	0.396
35	16	499.980	505.586	-5.605
35	17	493.321	501.909	-8.588
35	18	499.474	506.137	-6.663
35	19	497.322	504.011	-6.689
35	20	497.096	502.710	-5.614
50	30	504.422	504.910	-0.488
50	31	504.626	507.720	-3.094
50	32	505.284	505.744	-0.461
50	33	505.414	506.454	-1.040
50	34	503.682	505.872	-2.190
55	40	495.035	507.226	-12.191
55	41	487.753	505.949	-18.196
55	42	493.866	505.058	-11.193
55	43	496.049	509.196	-13.147
55	44	497.424	505.079	-7.655
Max		508.104	509.196	1.909
Average		500.867	505.247	-4.380
Min		487.753	501.909	-18.196
Std Dev		5.256	1.907	5.401



33.8 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	502.187	502.888	501.909	504.910	505.058
Average	504.711	504.598	504.071	506.140	506.502
Max	506.896	507.708	506.137	507.720	509.196
UL	529.100	529.100	529.100	529.100	529.100

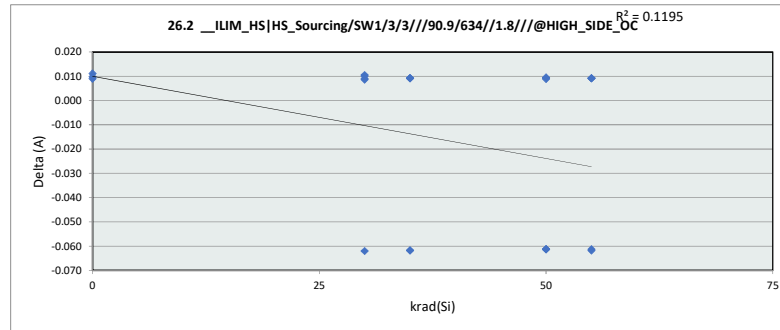


TID HDR Report

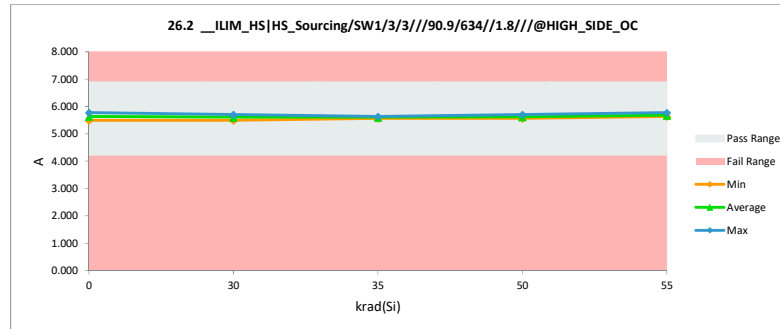
TPS7H4104-SEP

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

26.2 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.790	5.779	0.011
0	2	5.505	5.496	0.009
0	3	5.647	5.637	0.010
30	11	5.719	5.708	0.011
30	12	5.648	5.637	0.010
30	13	5.576	5.567	0.009
30	14	5.575	5.637	-0.062
30	15	5.505	5.496	0.009
35	16	5.576	5.637	-0.062
35	17	5.576	5.566	0.009
35	18	5.576	5.567	0.009
35	19	5.647	5.637	0.010
35	20	5.576	5.637	-0.062
50	30	5.647	5.637	0.010
50	31	5.647	5.708	-0.061
50	32	5.576	5.637	-0.061
50	33	5.505	5.566	-0.061
50	34	5.576	5.567	0.009
55	40	5.647	5.637	0.009
55	41	5.647	5.637	0.009
55	42	5.718	5.779	-0.061
55	43	5.647	5.708	-0.062
55	44	5.647	5.637	0.009
Max		5.790	5.779	0.011
Average		5.616	5.631	-0.015
Min		5.505	5.496	-0.062
Std Dev		0.071	0.074	0.035



26.2 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.496	5.496	5.566	5.566	5.637
Average	5.637	5.609	5.609	5.623	5.680
Max	5.779	5.708	5.637	5.708	5.779
UL	6.900	6.900	6.900	6.900	6.900

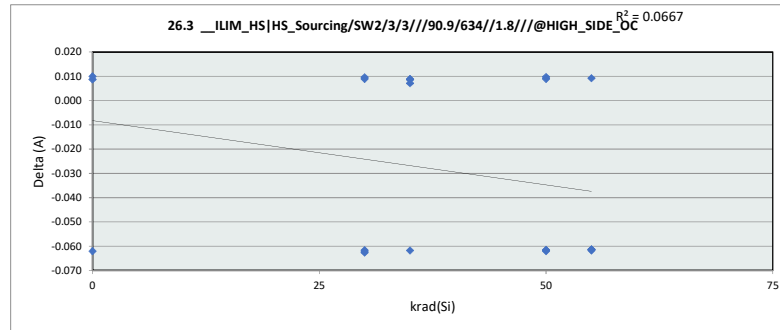


TID HDR Report

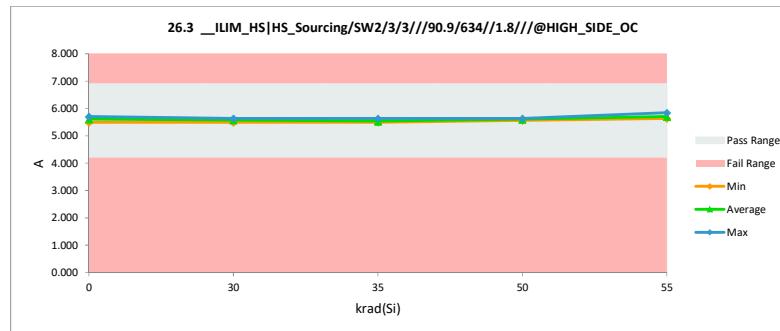
TPS7H4104-SEP

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

26.3 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.646	5.708	-0.062
0	2	5.647	5.636	0.010
0	3	5.505	5.496	0.009
30	11	5.575	5.637	-0.062
30	12	5.504	5.566	-0.063
30	13	5.646	5.636	0.010
30	14	5.505	5.567	-0.062
30	15	5.505	5.496	0.009
35	16	5.505	5.496	0.009
35	17	5.505	5.496	0.009
35	18	5.503	5.496	0.007
35	19	5.575	5.566	0.009
35	20	5.575	5.637	-0.062
50	30	5.575	5.637	-0.061
50	31	5.575	5.637	-0.062
50	32	5.504	5.566	-0.062
50	33	5.646	5.636	0.010
50	34	5.575	5.566	0.009
55	40	5.646	5.708	-0.061
55	41	5.575	5.637	-0.062
55	42	5.646	5.707	-0.061
55	43	5.789	5.850	-0.061
55	44	5.646	5.637	0.009
Max		5.789	5.850	0.010
Average		5.581	5.609	-0.028
Min		5.503	5.496	-0.063
Std Dev		0.074	0.087	0.036



26.3 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.496	5.496	5.496	5.566	5.637
Average	5.613	5.580	5.538	5.608	5.708
Max	5.708	5.637	5.637	5.637	5.850
UL	6.900	6.900	6.900	6.900	6.900

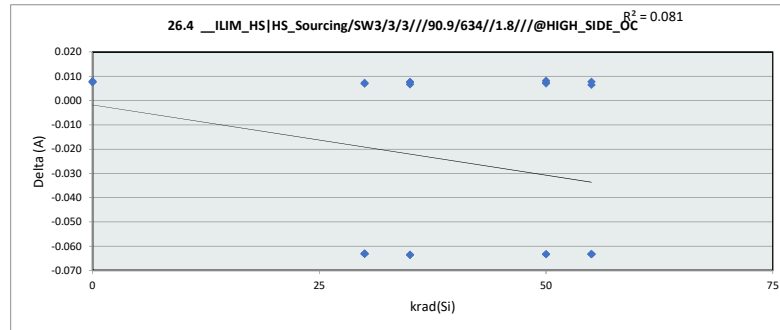


TID HDR Report

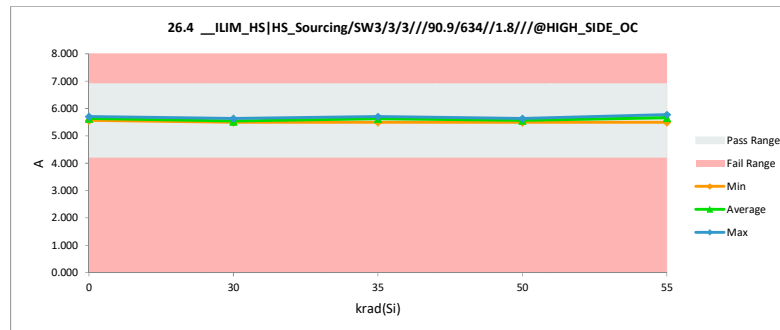
TPS7H4104-SEP

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

26.4 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.716	5.708	0.008
0	2	5.645	5.637	0.008
0	3	5.574	5.567	0.008
30	11	5.503	5.566	-0.063
30	12	5.433	5.496	-0.063
30	13	5.574	5.637	-0.063
30	14	5.503	5.496	0.007
30	15	5.504	5.496	0.007
35	16	5.645	5.638	0.008
35	17	5.645	5.638	0.008
35	18	5.503	5.497	0.007
35	19	5.645	5.709	-0.064
35	20	5.574	5.637	-0.063
50	30	5.433	5.496	-0.063
50	31	5.646	5.637	0.008
50	32	5.503	5.566	-0.063
50	33	5.645	5.637	0.008
50	34	5.504	5.496	0.007
55	40	5.574	5.637	-0.063
55	41	5.503	5.497	0.007
55	42	5.645	5.708	-0.063
55	43	5.716	5.780	-0.063
55	44	5.716	5.708	0.008
Max		5.716	5.780	0.008
Average		5.581	5.604	-0.023
Min		5.433	5.496	-0.064
Std Dev		0.088	0.088	0.036



26.4 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.567	5.496	5.497	5.496	5.497
Average	5.637	5.538	5.624	5.567	5.666
Max	5.708	5.637	5.709	5.638	5.780
UL	6.900	6.900	6.900	6.900	6.900

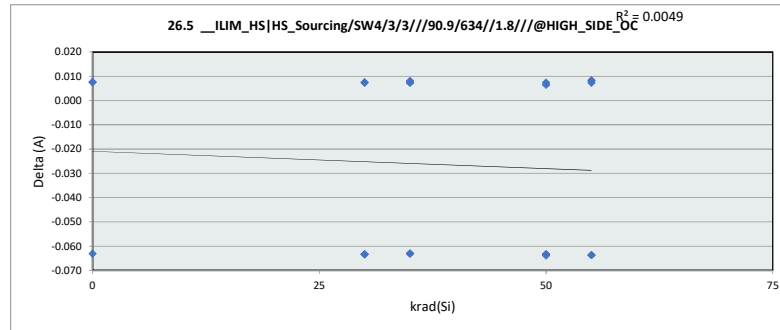


TID HDR Report

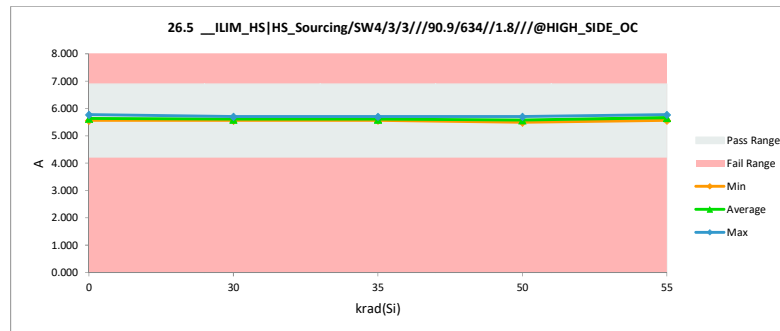
TPS7H4104-SEP

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

26.5 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.717	5.780	-0.063
0	2	5.574	5.567	0.008
0	3	5.575	5.567	0.008
30	11	5.646	5.709	-0.063
30	12	5.575	5.567	0.008
30	13	5.575	5.638	-0.063
30	14	5.504	5.567	-0.063
30	15	5.575	5.567	0.008
35	16	5.575	5.566	0.008
35	17	5.575	5.567	0.008
35	18	5.504	5.567	-0.063
35	19	5.646	5.638	0.007
35	20	5.646	5.708	-0.063
50	30	5.504	5.567	-0.063
50	31	5.645	5.709	-0.064
50	32	5.575	5.567	0.008
50	33	5.504	5.567	-0.063
50	34	5.503	5.497	0.007
55	40	5.646	5.637	0.008
55	41	5.503	5.567	-0.063
55	42	5.717	5.708	0.009
55	43	5.717	5.780	-0.063
55	44	5.646	5.638	0.007
Max		5.717	5.780	0.009
Average		5.593	5.619	-0.026
Min		5.503	5.497	-0.064
Std Dev		0.072	0.078	0.036



26.5 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.567	5.567	5.566	5.497	5.567
Average	5.638	5.609	5.609	5.581	5.666
Max	5.780	5.709	5.709	5.709	5.780
UL	6.900	6.900	6.900	6.900	6.900

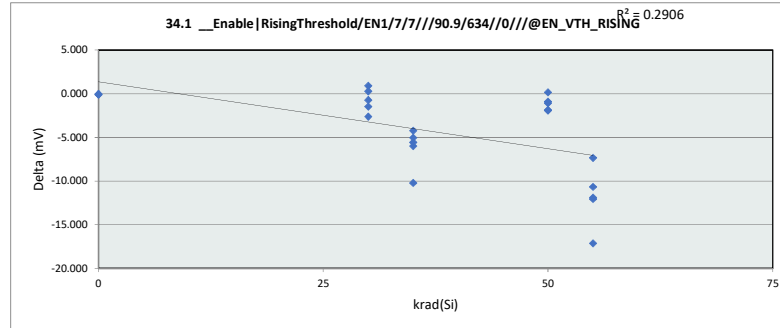


TID HDR Report

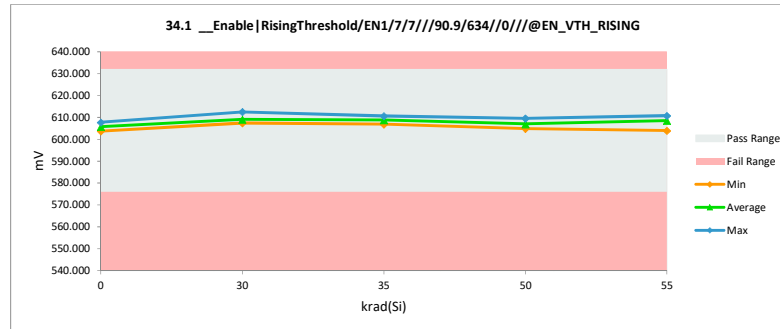
TPS7H4104-SEP

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

34.1 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		635	631.9	
Min Limit		573	576.1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	607.686	607.758	-0.072
0	2	603.737	603.722	0.014
0	3	605.946	605.973	-0.027
30	11	609.550	608.615	0.936
30	12	611.860	612.557	-0.697
30	13	607.753	607.445	0.308
30	14	606.924	609.508	-2.584
30	15	606.107	607.549	-1.442
35	16	602.685	606.892	-4.207
35	17	597.742	607.925	-10.183
35	18	604.717	610.663	-5.946
35	19	604.229	609.760	-5.531
35	20	603.885	608.899	-5.014
50	30	605.844	605.643	0.201
50	31	607.728	609.617	-1.889
50	32	607.665	609.489	-1.824
50	33	603.856	604.915	-1.059
50	34	604.886	605.763	-0.877
55	40	597.788	609.646	-11.858
55	41	586.854	603.953	-17.099
55	42	598.790	610.812	-12.022
55	43	599.960	610.582	-10.622
55	44	600.653	607.953	-7.300
	Max	611.860	612.557	0.936
	Average	603.776	608.071	-4.295
	Min	586.854	603.722	-17.099
	Std Dev	5.206	2.307	5.004



34.1 __Enable RisingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		631.9	mV		
Min Limit		576.1	mV		
krad(Si)	0	30	35	50	55
LL	576.100	576.100	576.100	576.100	576.100
Min	603.723	607.445	606.892	604.915	603.953
Average	605.818	609.135	608.828	607.085	608.589
Max	607.758	612.558	610.663	609.617	610.812
UL	631.900	631.900	631.900	631.900	631.900

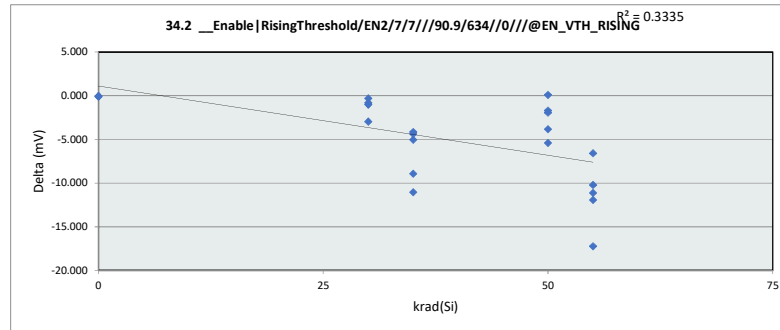


TID HDR Report

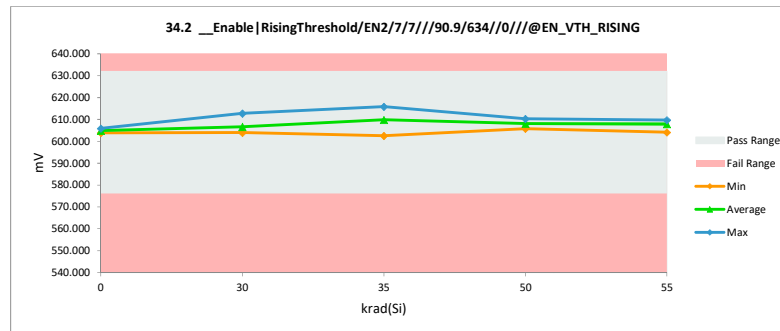
TPS7H4104-SEP

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

34.2 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		635	631.9	
Min Limit		573	576.1	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	604.860	604.936	-0.076
0	2	603.866	603.855	0.011
0	3	605.875	605.914	-0.040
30	11	603.653	603.935	-0.282
30	12	611.964	612.740	-0.776
30	13	603.920	604.861	-0.940
30	14	603.936	606.874	-2.939
30	15	603.926	604.911	-0.985
35	16	602.850	606.975	-4.125
35	17	593.651	602.552	-8.902
35	18	604.844	615.865	-11.020
35	19	610.565	614.909	-4.344
35	20	603.779	608.790	-5.011
50	30	605.908	605.790	0.118
50	31	607.840	609.753	-1.913
50	32	604.929	606.593	-1.664
50	33	603.955	607.757	-3.801
50	34	604.968	610.344	-5.375
55	40	597.848	609.759	-11.911
55	41	586.943	604.137	-17.194
55	42	598.666	608.849	-10.182
55	43	597.489	608.582	-11.093
55	44	601.625	608.186	-6.561
	Max	611.964	615.865	0.118
	Average	602.950	607.690	-4.739
	Min	586.943	602.552	-17.194
	Std Dev	5.310	3.463	4.830



34.2 __Enable RisingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		631.9	mV		
Min Limit		576.1	mV		
krad(Si)	0	30	35	50	55
LL	576.100	576.100	576.100	576.100	576.100
Min	603.855	603.935	602.552	605.790	604.137
Average	604.902	606.664	609.818	608.047	607.903
Max	605.914	612.740	615.865	610.344	609.759
UL	631.900	631.900	631.900	631.900	631.900

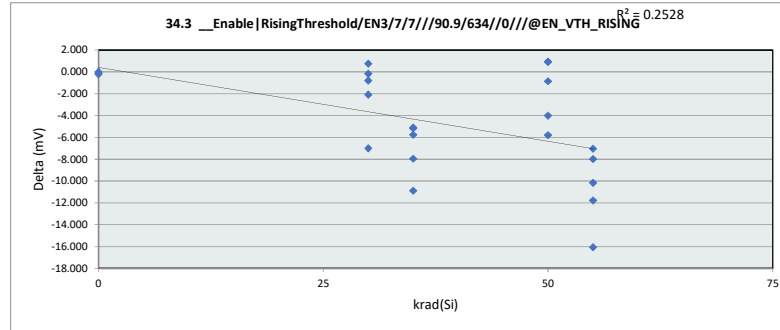


TID HDR Report

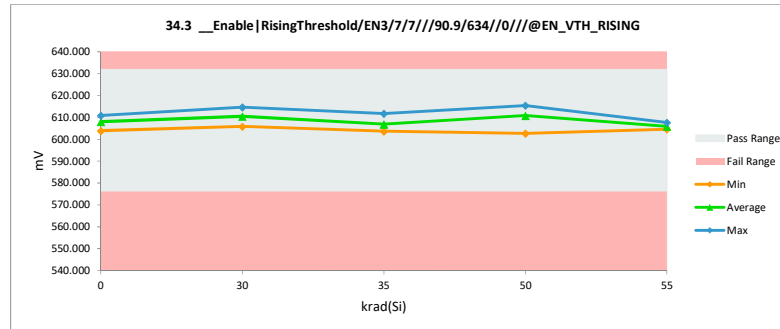
TPS7H4104-SEP

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

34.3 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	635	631.9		
Min Limit	573	576.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	610.885	610.960	-0.075
0	2	608.962	609.141	-0.179
0	3	603.935	603.907	0.027
30	11	608.889	609.653	-0.764
30	12	605.748	605.880	-0.132
30	13	610.611	609.819	0.793
30	14	610.585	612.640	-2.055
30	15	607.755	614.728	-6.973
35	16	606.727	611.792	-5.065
35	17	597.799	608.643	-10.844
35	18	600.607	605.742	-5.135
35	19	595.741	603.656	-7.915
35	20	599.033	604.761	-5.729
50	30	603.697	602.714	0.982
50	31	612.794	611.851	0.943
50	32	609.659	610.479	-0.821
50	33	609.768	613.735	-3.967
50	34	609.732	615.485	-5.753
55	40	593.057	604.795	-11.738
55	41	591.699	607.726	-16.026
55	42	596.754	606.872	-10.119
55	43	597.616	605.560	-7.944
55	44	597.679	604.678	-6.999
Max		612.794	615.485	0.982
Average		603.901	608.488	-4.586
Min		591.699	602.714	-16.026
Std Dev		6.502	3.780	4.747



34.3 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Max Limit	631.9	mV		
Min Limit	576.1	mV		
krad(Si)	0	30	50	55
LL	576.100	576.100	576.100	576.100
Min	603.907	605.880	603.656	602.714
Average	608.003	610.544	606.919	610.853
Max	610.960	614.728	611.792	615.485
UL	631.900	631.900	631.900	631.900

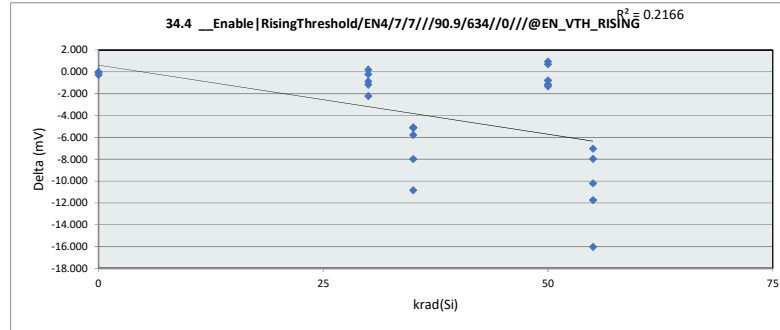


TID HDR Report

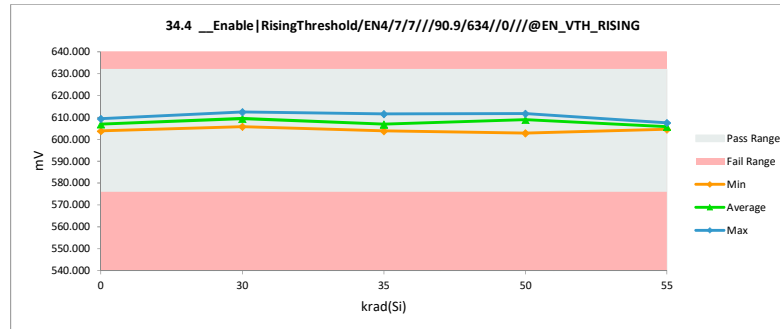
TPS7H4104-SEP

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

34.4 __Enable RisingThreshold				
Test Site				
Tester				
Test Number				
Unit	mV	mV		
Max Limit	635	631.9		
Min Limit	573	576.1		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	607.698	607.726	-0.028
0	2	609.172	609.426	-0.254
0	3	603.853	603.828	0.025
30	11	608.945	609.797	-0.853
30	12	605.629	605.813	-0.185
30	13	610.782	610.544	0.238
30	14	610.344	612.535	-2.191
30	15	607.624	608.758	-1.134
35	16	606.605	611.662	-5.057
35	17	597.689	608.496	-10.806
35	18	600.745	605.851	-5.106
35	19	595.847	603.806	-7.959
35	20	598.907	604.648	-5.741
50	30	603.859	602.883	0.977
50	31	610.653	611.778	-1.124
50	32	609.535	610.292	-0.758
50	33	609.631	608.898	0.733
50	34	609.610	610.890	-1.280
55	40	592.948	604.657	-11.709
55	41	591.587	607.577	-15.990
55	42	596.599	606.776	-10.177
55	43	597.488	605.432	-7.944
55	44	597.528	604.534	-7.006
Max		610.782	612.535	0.977
Average		603.621	607.678	-4.058
Min		591.587	602.883	-15.990
Std Dev		6.276	2.909	4.798



34.4 __Enable RisingThreshold					
Test Site					
Tester					
Test Number					
Max Limit	631.9	mV			
Min Limit	576.1	mV			
krad(Si)	0	30	35	50	55
LL	576.100	576.100	576.100	576.100	576.100
Min	603.828	605.814	603.806	602.883	604.534
Average	606.993	609.489	606.893	608.948	605.795
Max	609.426	612.535	611.662	611.778	607.577
UL	631.900	631.900	631.900	631.900	631.900

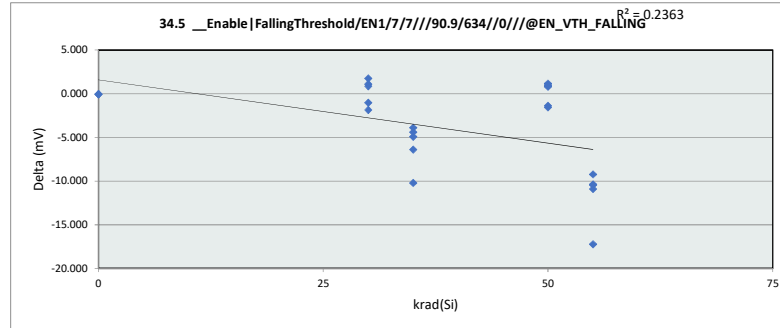


TID HDR Report

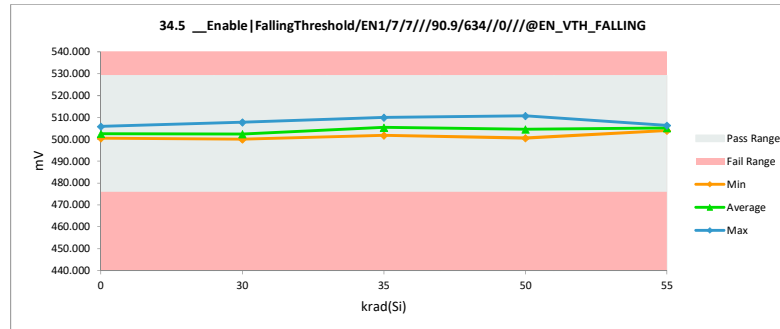
TPS7H4104-SEP

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

34.5 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	501.266	501.307	-0.042
0	2	505.844	505.883	-0.039
0	3	500.492	500.512	-0.020
30	11	502.948	501.811	1.137
30	12	509.614	507.834	1.780
30	13	501.218	500.321	0.897
30	14	500.252	502.080	-1.828
30	15	499.008	500.007	-0.998
35	16	499.044	502.904	-3.859
35	17	491.593	501.789	-10.196
35	18	503.669	510.024	-6.355
35	19	504.672	509.560	-4.888
35	20	498.543	502.917	-4.374
50	30	511.583	510.749	0.834
50	31	507.446	506.261	1.185
50	32	500.561	502.084	-1.522
50	33	499.238	500.589	-1.350
50	34	504.423	503.408	1.015
55	40	495.078	505.432	-10.354
55	41	489.142	506.337	-17.195
55	42	495.447	504.656	-9.208
55	43	493.090	503.967	-10.877
55	44	494.900	505.306	-10.406
Max		511.583	510.749	1.780
Average		500.395	504.163	-3.768
Min		489.142	500.007	-17.195
Std Dev		5.607	3.201	5.252



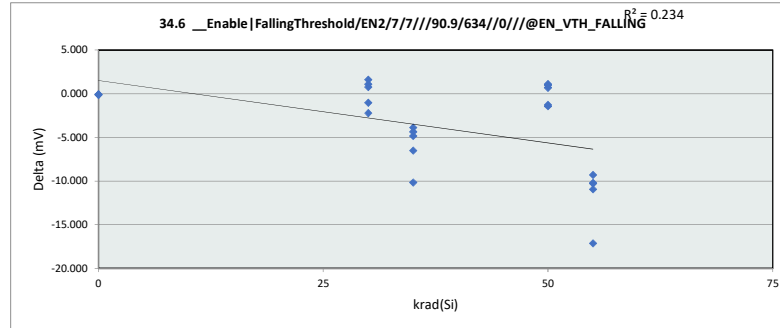
34.5 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	500.512	500.007	501.789	500.589	503.967
Average	502.568	502.411	505.439	504.618	505.140
Max	505.883	507.834	510.024	510.749	506.337
UL	529.100	529.100	529.100	529.100	529.100



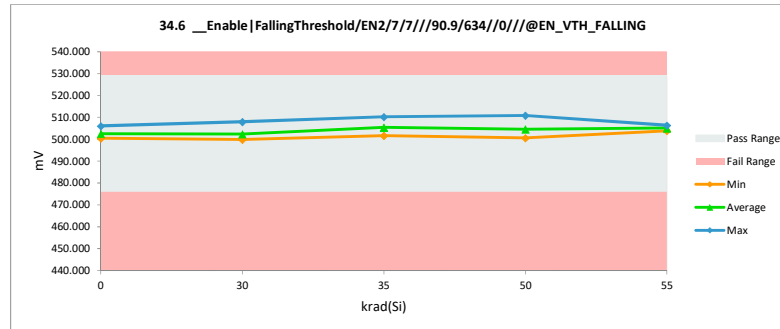
TID HDR Report TPS7H4104-SEP

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

34.6 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	501.024	501.101	-0.077
0	2	506.066	506.132	-0.066
0	3	500.397	500.426	-0.029
30	11	502.797	501.682	1.115
30	12	509.651	508.005	1.646
30	13	500.970	500.173	0.797
30	14	500.012	502.186	-2.174
30	15	498.925	499.909	-0.985
35	16	499.290	503.131	-3.840
35	17	491.549	501.657	-10.108
35	18	503.807	510.289	-6.482
35	19	504.809	509.607	-4.798
35	20	498.458	502.768	-4.309
50	30	511.618	510.893	0.725
50	31	507.523	506.377	1.146
50	32	500.509	501.898	-1.389
50	33	499.395	500.622	-1.227
50	34	504.493	503.486	1.007
55	40	495.308	505.494	-10.186
55	41	489.345	506.432	-17.087
55	42	495.315	504.567	-9.252
55	43	492.900	503.813	-10.913
55	44	495.175	505.412	-10.237
Max		511.618	510.893	1.646
Average		500.406	504.177	-3.771
Min		489.345	499.909	-17.087
Std Dev		5.612	3.300	5.202



34.6 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	500.426	499.909	501.657	500.622	503.813
Average	502.553	502.391	505.490	504.655	505.144
Max	506.132	508.005	510.289	510.894	506.432
UL	529.100	529.100	529.100	529.100	529.100

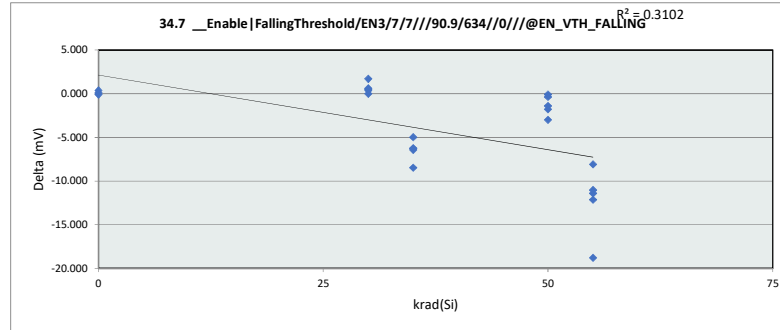


TID HDR Report

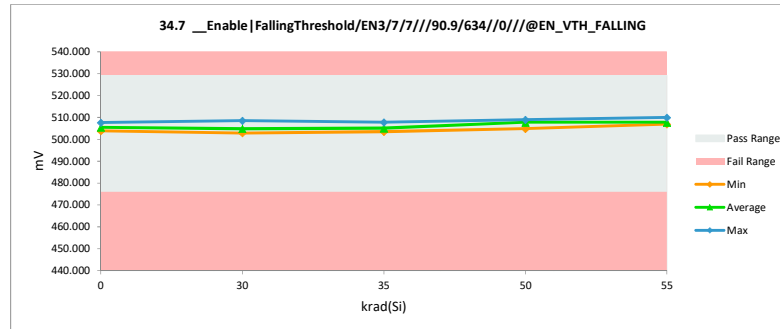
TPS7H4104-SEP

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

34.7 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	504.255	503.847	0.408
0	2	505.035	504.900	0.136
0	3	507.659	507.705	-0.046
30	11	503.781	503.259	0.522
30	12	503.601	503.570	0.031
30	13	504.647	502.903	1.744
30	14	506.211	505.795	0.416
30	15	509.237	508.592	0.645
35	16	501.638	507.828	-6.191
35	17	495.314	503.747	-8.433
35	18	499.952	506.358	-6.407
35	19	497.643	503.903	-6.260
35	20	498.534	503.483	-4.949
50	30	504.554	504.880	-0.326
50	31	505.891	508.836	-2.945
50	32	508.365	508.419	-0.054
50	33	506.239	507.601	-1.362
50	34	507.222	508.974	-1.752
55	40	496.608	507.602	-10.993
55	41	488.484	507.226	-18.742
55	42	495.693	507.065	-11.371
55	43	497.906	509.998	-12.092
55	44	498.926	506.986	-8.060
Max		509.237	509.998	1.744
Average		502.061	506.238	-4.177
Min		488.484	502.903	-18.742
Std Dev		5.197	2.187	5.407



34.7 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	503.847	502.903	503.483	504.880	506.986
Average	505.484	504.824	505.064	507.742	507.775
Max	507.705	508.592	507.828	508.974	509.998
UL	529.100	529.100	529.100	529.100	529.100

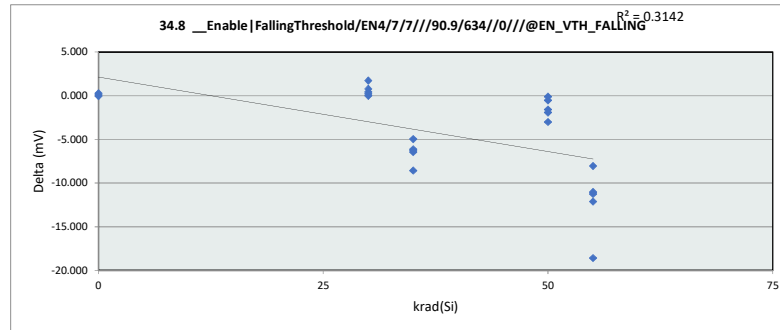


TID HDR Report

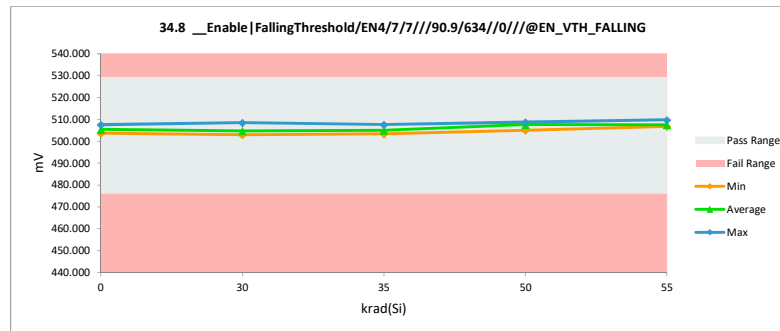
TPS7H4104-SEP

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

34.8 __Enable FallingThreshold				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		532	529.1	
Min Limit		473	476	
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	504.021	503.696	0.325
0	2	505.262	505.124	0.138
0	3	507.598	507.607	-0.010
30	11	503.931	503.101	0.830
30	12	503.559	503.510	0.049
30	13	504.779	503.010	1.769
30	14	505.964	505.693	0.271
30	15	508.991	508.510	0.481
35	16	501.589	507.668	-6.079
35	17	495.088	503.612	-8.524
35	18	500.201	506.436	-6.235
35	19	497.737	504.134	-6.397
35	20	498.450	503.372	-4.921
50	30	504.615	505.098	-0.483
50	31	505.740	508.695	-2.954
50	32	508.147	508.209	-0.062
50	33	506.008	507.535	-1.527
50	34	506.929	508.810	-1.881
55	40	496.551	507.534	-10.983
55	41	488.378	506.906	-18.528
55	42	495.613	506.816	-11.203
55	43	497.768	509.828	-12.060
55	44	498.778	506.781	-8.003
Max		508.991	509.828	1.769
Average		501.987	506.160	-4.173
Min		488.378	503.010	-18.528
Std Dev		5.178	2.125	5.356



34.8 __Enable FallingThreshold					
Test Site					
Tester					
Test Number					
Max Limit		529.1	mV		
Min Limit		476	mV		
krad(Si)	0	30	35	50	55
LL	476.000	476.000	476.000	476.000	476.000
Min	503.696	503.010	503.372	505.098	506.781
Average	505.476	504.765	505.044	507.669	507.573
Max	507.607	508.510	507.668	508.811	509.828
UL	529.100	529.100	529.100	529.100	529.100

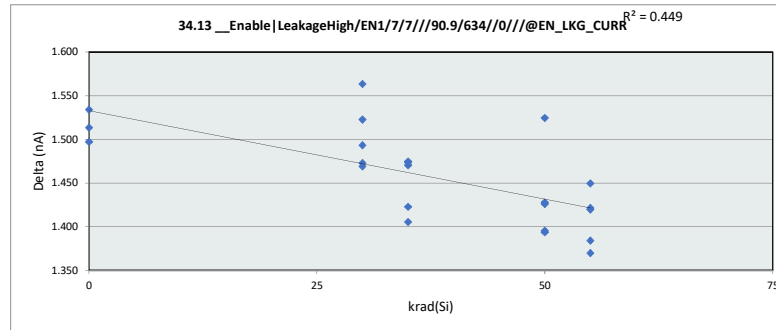


TID HDR Report

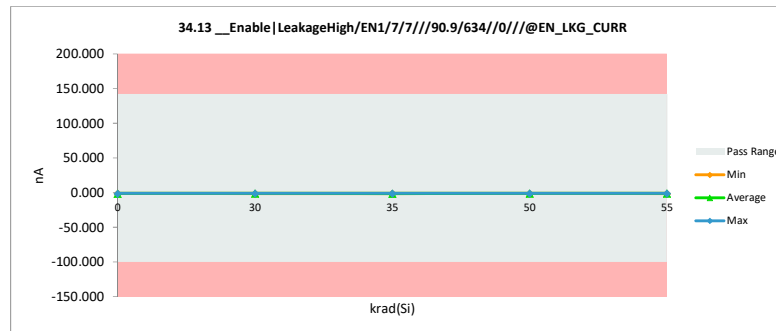
TPS7H4104-SEP

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

34.13 __Enable LeakageHigh/En				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	154	141.3		
Min Limit	-100	-100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.343	-1.170	1.514
0	2	0.310	-1.188	1.498
0	3	0.267	-1.268	1.534
30	11	0.354	-1.115	1.469
30	12	0.405	-1.159	1.564
30	13	0.488	-1.036	1.523
30	14	0.270	-1.224	1.494
30	15	0.307	-1.167	1.473
35	16	0.265	-1.206	1.471
35	17	0.266	-1.208	1.474
35	18	0.264	-1.212	1.475
35	19	0.242	-1.181	1.423
35	20	0.290	-1.116	1.406
50	30	0.280	-1.148	1.428
50	31	0.367	-1.158	1.525
50	32	0.263	-1.133	1.396
50	33	0.304	-1.090	1.394
50	34	0.288	-1.138	1.426
55	40	0.275	-1.095	1.370
55	41	0.327	-1.057	1.385
55	42	0.288	-1.162	1.450
55	43	0.204	-1.217	1.420
55	44	0.312	-1.110	1.422
Max		0.488	-1.036	1.564
Average		0.303	-1.155	1.458
Min		0.204	-1.268	1.370
Std Dev		0.059	0.056	0.053



34.13 __Enable LeakageHigh/					
Test Site					
Tester					
Test Number					
Max Limit	141.3	nA			
Min Limit	-100	nA			
krad(Si)	0	30	35	50	55
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-1.268	-1.224	-1.212	-1.158	-1.217
Average	-1.209	-1.140	-1.185	-1.133	-1.128
Max	-1.170	-1.036	-1.116	-1.090	-1.057
UL	141.300	141.300	141.300	141.300	141.300

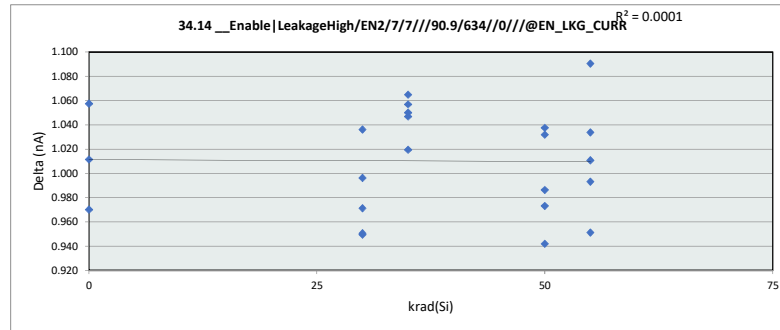


TID HDR Report

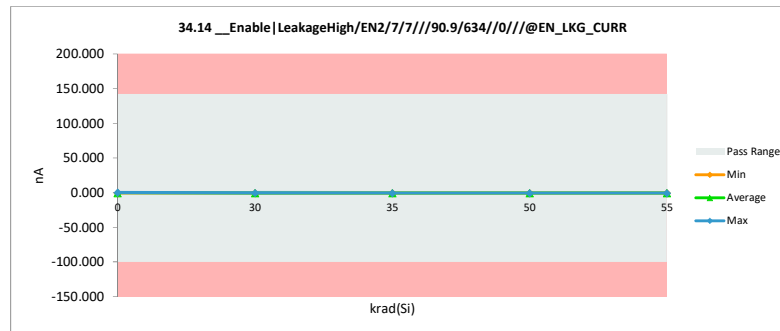
TPS7H4104-SEP

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

34.14 __Enable LeakageHigh/EN2/7/7///90.9/634/0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	154	141.3		
Min Limit	-100	-100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.405	-0.565	0.970
0	2	1.105	0.093	1.012
0	3	0.481	-0.576	1.058
30	11	0.462	-0.575	1.036
30	12	0.386	-0.610	0.996
30	13	0.521	-0.451	0.972
30	14	0.424	-0.526	0.950
30	15	0.350	-0.601	0.951
35	16	0.552	-0.495	1.047
35	17	0.407	-0.643	1.050
35	18	0.426	-0.631	1.057
35	19	0.416	-0.649	1.065
35	20	0.399	-0.621	1.020
50	30	0.341	-0.601	0.942
50	31	0.532	-0.506	1.038
50	32	0.422	-0.565	0.987
50	33	0.438	-0.535	0.973
50	34	0.448	-0.584	1.032
55	40	0.394	-0.599	0.993
55	41	0.367	-0.585	0.952
55	42	0.493	-0.518	1.011
55	43	0.454	-0.636	1.091
55	44	0.472	-0.562	1.034
Max		1.105	0.093	1.091
Average		0.465	-0.545	1.010
Min		0.341	-0.649	0.942
Std Dev		0.150	0.148	0.043



34.14 __Enable LeakageHigh/EN2/7/7///90.9/634/0///@EN_LKG_CURR					
Test Site					
Tester					
Test Number					
Max Limit	141.3	nA			
Min Limit	-100	nA			
krad(Si)	0	30	35	50	55
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-0.576	-0.610	-0.649	-0.601	-0.636
Average	-0.349	-0.552	-0.608	-0.558	-0.580
Max	0.093	-0.451	-0.495	-0.506	-0.518
UL	141.300	141.300	141.300	141.300	141.300

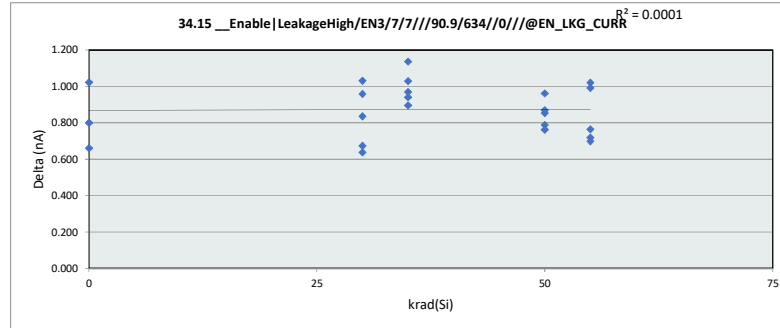


TID HDR Report

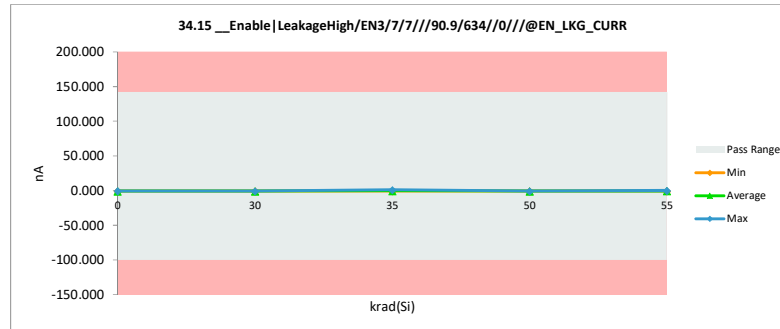
TPS7H4104-SEP

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

34.15 __Enable LeakageHigh/EN3/7/7///90.9/634/0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	154	141.3		
Min Limit	-100	-100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.101	-0.562	0.663
0	2	0.063	-0.739	0.802
0	3	0.257	-0.768	1.025
30	11	0.291	-0.670	0.961
30	12	0.171	-0.667	0.838
30	13	0.026	-0.650	0.676
30	14	0.018	-0.623	0.640
30	15	0.324	-0.710	1.034
35	16	0.174	-0.768	0.942
35	17	0.333	-0.699	1.032
35	18	0.252	-0.720	0.972
35	19	2.277	1.139	1.139
35	20	0.335	-0.563	0.898
50	30	0.079	-0.712	0.791
50	31	0.142	-0.622	0.764
50	32	0.110	-0.746	0.856
50	33	0.264	-0.608	0.872
50	34	0.318	-0.646	0.963
55	40	0.074	-0.647	0.721
55	41	0.692	-0.009	0.701
55	42	0.080	-0.686	0.766
55	43	0.425	-0.568	0.993
55	44	0.270	-0.753	1.023
Max		2.277	1.139	1.139
Average		0.308	-0.565	0.873
Min		0.018	-0.768	0.640
Std Dev		0.456	0.401	0.141



34.15 __Enable LeakageHigh/EN3/7/7///90.9/634/0///@EN_LKG_CURR					
Test Site					
Tester					
Test Number					
Max Limit	141.3	nA			
Min Limit	-100	nA			
krad(Si)	0	30	35	50	55
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-0.768	-0.710	-0.768	-0.746	-0.753
Average	-0.690	-0.664	-0.322	-0.667	-0.533
Max	-0.562	-0.623	1.139	-0.608	-0.009
UL	141.300	141.300	141.300	141.300	141.300

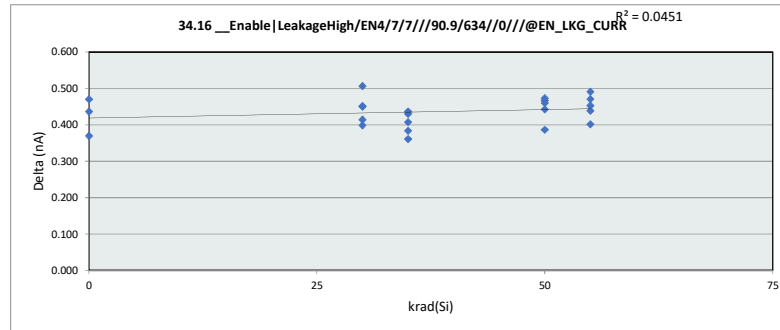


TID HDR Report

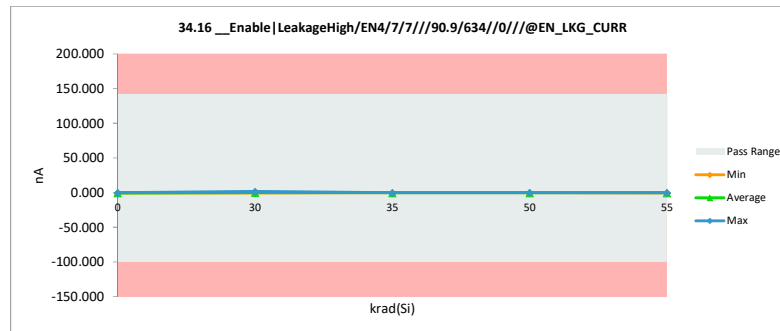
TPS7H4104-SEP

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

34.16 __Enable LeakageHigh/EN4/7/7///90.9/634/0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	154	141.3		
Min Limit	-100	-100		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	0.085	-0.286	0.370
0	2	0.058	-0.380	0.437
0	3	0.044	-0.427	0.471
30	11	0.033	-0.366	0.399
30	12	0.181	-0.270	0.451
30	13	2.046	1.538	0.507
30	14	0.037	-0.416	0.453
30	15	-0.003	-0.418	0.415
35	16	0.023	-0.385	0.408
35	17	0.032	-0.406	0.438
35	18	0.087	-0.344	0.431
35	19	0.062	-0.322	0.384
35	20	0.039	-0.323	0.362
50	30	0.043	-0.345	0.387
50	31	0.108	-0.366	0.474
50	32	0.490	0.022	0.468
50	33	0.056	-0.405	0.461
50	34	0.127	-0.317	0.444
55	40	0.096	-0.344	0.440
55	41	0.072	-0.330	0.402
55	42	0.131	-0.361	0.492
55	43	0.070	-0.383	0.454
55	44	0.133	-0.338	0.472
Max		2.046	1.538	0.507
Average		0.176	-0.260	0.436
Min		-0.003	-0.427	0.362
Std Dev		0.419	0.402	0.039



34.16 __Enable LeakageHigh/EN4/7/7///90.9/634/0///@EN_LKG_CURR					
Test Site					
Tester					
Test Number					
Max Limit	141.3	nA			
Min Limit	-100	nA			
krad(Si)	0	30	35	50	55
LL	-100.000	-100.000	-100.000	-100.000	-100.000
Min	-0.427	-0.418	-0.406	-0.405	-0.383
Average	-0.364	0.014	-0.356	-0.282	-0.351
Max	-0.286	1.538	-0.322	0.022	-0.330
UL	141.300	141.300	141.300	141.300	141.300

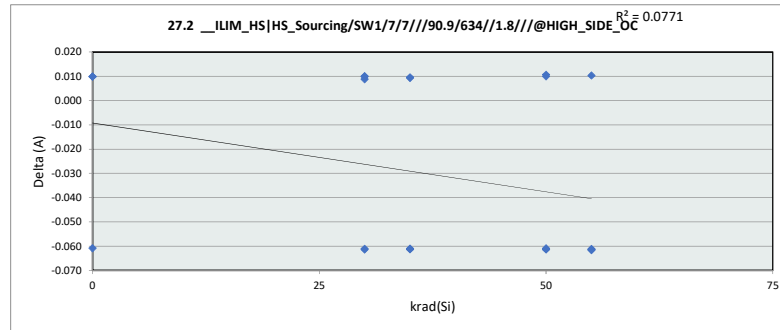


TID HDR Report

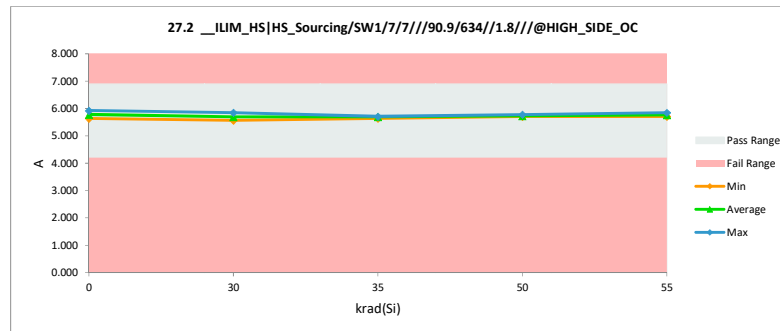
TPS7H4104-SEP

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

27.2 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.934	5.924	0.010
0	2	5.650	5.640	0.010
0	3	5.721	5.782	-0.061
30	11	5.792	5.853	-0.061
30	12	5.721	5.711	0.010
30	13	5.650	5.640	0.010
30	14	5.650	5.711	-0.061
30	15	5.579	5.570	0.009
35	16	5.650	5.711	-0.061
35	17	5.650	5.711	-0.061
35	18	5.650	5.641	0.009
35	19	5.721	5.712	0.010
35	20	5.650	5.711	-0.061
50	30	5.721	5.711	0.010
50	31	5.721	5.782	-0.061
50	32	5.650	5.711	-0.061
50	33	5.650	5.711	-0.061
50	34	5.722	5.711	0.011
55	40	5.722	5.711	0.010
55	41	5.721	5.782	-0.061
55	42	5.792	5.853	-0.061
55	43	5.721	5.782	-0.062
55	44	5.650	5.712	-0.061
Max		5.934	5.924	0.011
Average		5.700	5.730	-0.030
Min		5.579	5.570	-0.062
Std Dev		0.072	0.078	0.036



27.2 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.640	5.570	5.641	5.711	5.711
Average	5.782	5.697	5.697	5.725	5.768
Max	5.924	5.853	5.712	5.782	5.853
UL	6.900	6.900	6.900	6.900	6.900

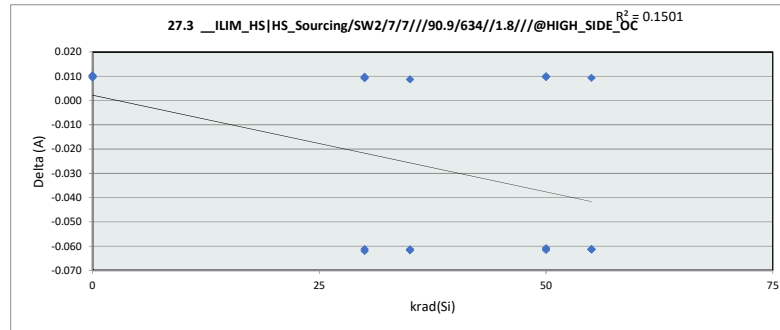


TID HDR Report

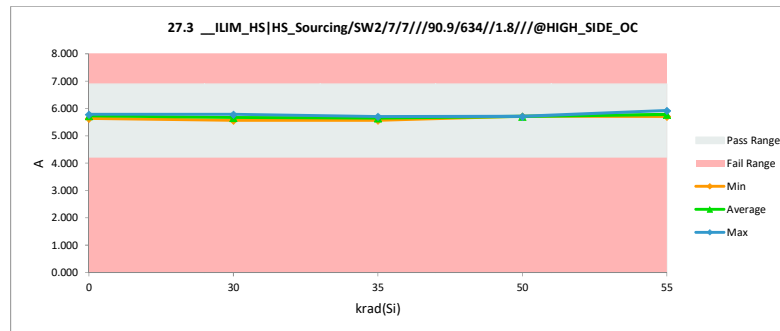
TPS7H4104-SEP

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

27.3 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.792	5.781	0.011
0	2	5.792	5.781	0.010
0	3	5.650	5.640	0.010
30	11	5.720	5.710	0.010
30	12	5.650	5.640	0.010
30	13	5.720	5.781	-0.061
30	14	5.579	5.569	0.009
30	15	5.578	5.640	-0.062
35	16	5.579	5.640	-0.061
35	17	5.578	5.640	-0.062
35	18	5.578	5.569	0.009
35	19	5.649	5.711	-0.061
35	20	5.649	5.710	-0.061
50	30	5.721	5.711	0.010
50	31	5.721	5.711	0.010
50	32	5.650	5.710	-0.061
50	33	5.720	5.711	0.010
50	34	5.649	5.711	-0.061
55	40	5.720	5.782	-0.061
55	41	5.650	5.711	-0.061
55	42	5.720	5.781	-0.061
55	43	5.863	5.924	-0.061
55	44	5.720	5.711	0.010
	Max	5.863	5.924	0.011
	Average	5.680	5.708	-0.027
	Min	5.578	5.569	-0.062
	Std Dev	0.077	0.078	0.036



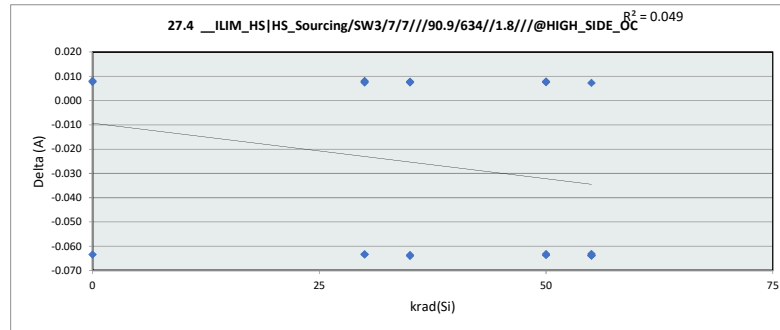
27.3 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.640	5.569	5.569	5.711	5.711
Average	5.734	5.668	5.654	5.711	5.782
Max	5.782	5.782	5.711	5.711	5.924
UL	6.900	6.900	6.900	6.900	6.900



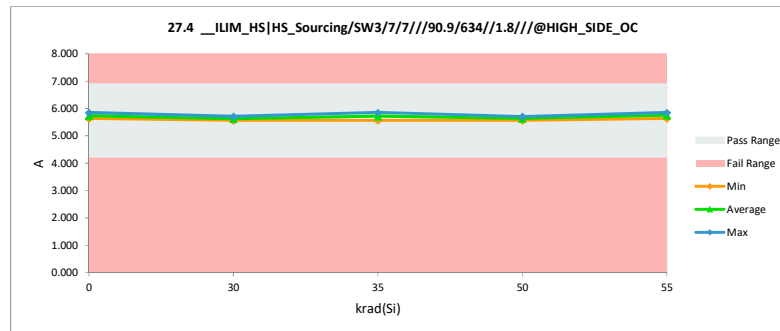
TID HDR Report TPS7H4104-SEP

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

27.4 __ILIM_HS HS_Sourcing/5				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.791	5.854	-0.063
0	2	5.720	5.712	0.008
0	3	5.649	5.640	0.008
30	11	5.649	5.640	0.008
30	12	5.577	5.570	0.008
30	13	5.648	5.712	-0.063
30	14	5.577	5.569	0.008
30	15	5.577	5.641	-0.063
35	16	5.719	5.783	-0.064
35	17	5.720	5.712	0.008
35	18	5.577	5.570	0.008
35	19	5.790	5.854	-0.064
35	20	5.720	5.712	0.008
50	30	5.506	5.570	-0.063
50	31	5.720	5.712	0.008
50	32	5.577	5.641	-0.063
50	33	5.720	5.712	0.008
50	34	5.577	5.569	0.008
55	40	5.648	5.712	-0.064
55	41	5.577	5.641	-0.063
55	42	5.720	5.783	-0.063
55	43	5.790	5.854	-0.064
55	44	5.790	5.783	0.007
Max		5.791	5.854	0.008
Average		5.667	5.693	-0.026
Min		5.506	5.569	-0.064
Std Dev		0.086	0.094	0.036



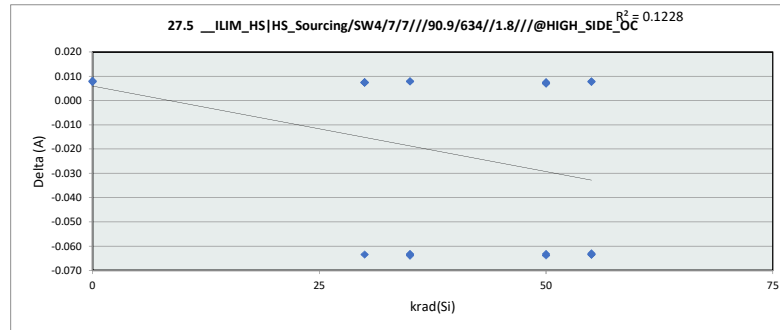
27.4 __ILIM_HS HS_Sourcing					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.640	5.569	5.570	5.569	5.641
Average	5.735	5.626	5.726	5.641	5.754
Max	5.854	5.712	5.854	5.712	5.854
UL	6.900	6.900	6.900	6.900	6.900



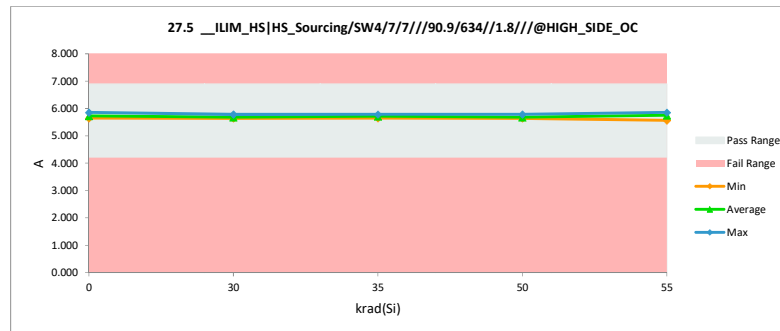
TID HDR Report TPS7H4104-SEP

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

27.5 __ILIM_HS HS_Sourcing/				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.9		
Min Limit	5	4.2		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.862	5.854	0.008
0	2	5.720	5.712	0.008
0	3	5.649	5.641	0.008
30	11	5.791	5.783	0.008
30	12	5.720	5.712	0.007
30	13	5.649	5.641	0.008
30	14	5.578	5.641	-0.063
30	15	5.649	5.641	0.008
35	16	5.649	5.712	-0.063
35	17	5.649	5.641	0.008
35	18	5.649	5.641	0.008
35	19	5.720	5.783	-0.063
35	20	5.720	5.783	-0.064
50	30	5.649	5.641	0.007
50	31	5.791	5.783	0.007
50	32	5.720	5.712	0.008
50	33	5.578	5.641	-0.063
50	34	5.578	5.641	-0.064
55	40	5.720	5.712	0.008
55	41	5.578	5.570	0.008
55	42	5.791	5.854	-0.063
55	43	5.791	5.854	-0.063
55	44	5.720	5.783	-0.063
Max		5.862	5.854	0.008
Average		5.692	5.712	-0.020
Min		5.578	5.570	-0.064
Std Dev		0.079	0.083	0.035



27.5 __ILIM_HS HS_Sourcing/					
Test Site					
Tester					
Test Number					
Max Limit	6.9	A			
Min Limit	4.2	A			
krad(Si)	0	30	35	50	55
LL	4.200	4.200	4.200	4.200	4.200
Min	5.641	5.641	5.641	5.641	5.570
Average	5.736	5.684	5.712	5.684	5.754
Max	5.854	5.783	5.783	5.783	5.854
UL	6.900	6.900	6.900	6.900	6.900

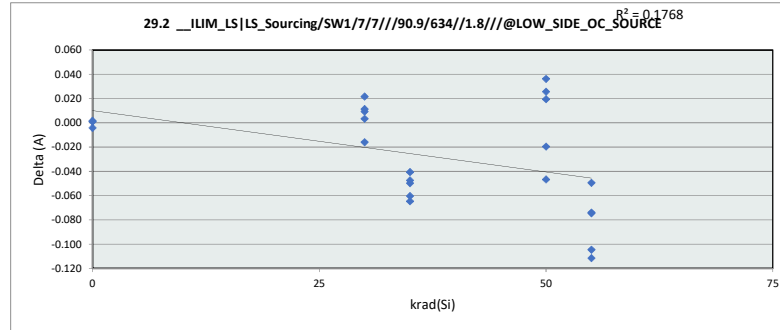


TID HDR Report

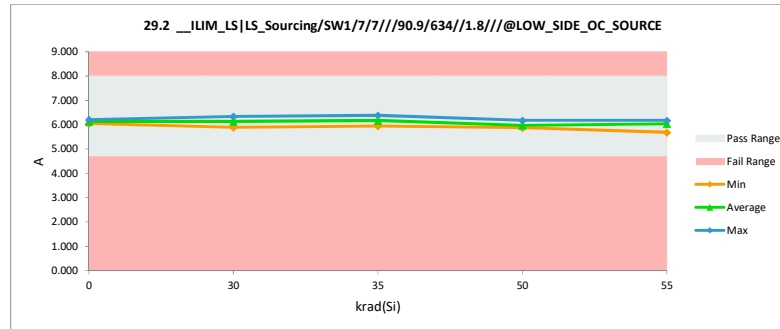
TPS7H4104-SEP

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

29.2 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.045	6.049	-0.004
0	2	6.208	6.206	0.002
0	3	6.153	6.152	0.001
30	11	6.121	6.111	0.010
30	12	6.286	6.264	0.022
30	13	6.345	6.342	0.004
30	14	6.033	6.049	-0.016
30	15	5.913	5.902	0.012
35	16	6.323	6.387	-0.064
35	17	5.986	6.046	-0.060
35	18	6.130	6.180	-0.049
35	19	6.275	6.322	-0.047
35	20	5.905	5.946	-0.040
50	30	5.913	5.877	0.037
50	31	5.981	5.961	0.020
50	32	5.833	5.880	-0.046
50	33	6.163	6.182	-0.019
50	34	5.998	5.972	0.026
55	40	6.068	6.180	-0.111
55	41	5.983	6.087	-0.104
55	42	5.995	6.069	-0.074
55	43	5.615	5.690	-0.074
55	44	6.130	6.180	-0.049
Max		6.345	6.387	0.037
Average		6.061	6.088	-0.027
Min		5.615	5.690	-0.111
Std Dev		0.171	0.169	0.042



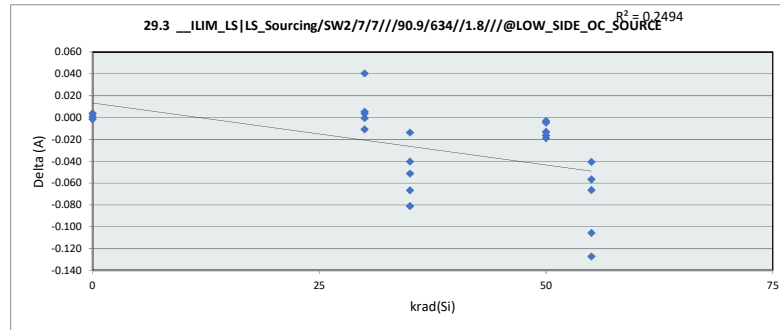
29.2 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	6.049	5.902	5.946	5.877	5.690
Average	6.136	6.134	6.176	5.974	6.041
Max	6.206	6.342	6.387	6.182	6.180
UL	8.000	8.000	8.000	8.000	8.000



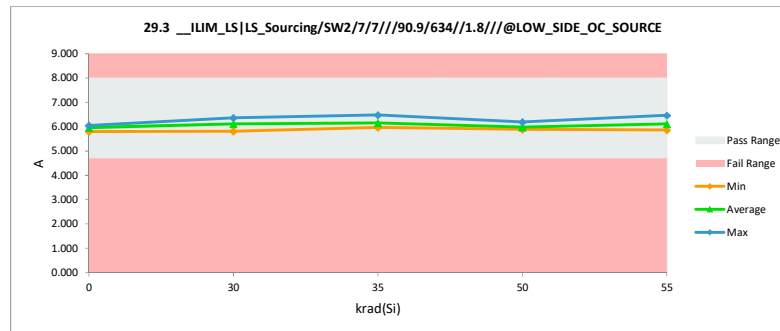
TID HDR Report TPS7H4104-SEP

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

29.3 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	6.058	6.056	0.001
0	2	5.803	5.799	0.004
0	3	6.038	6.039	-0.001
30	11	6.298	6.294	0.004
30	12	5.813	5.813	0.000
30	13	6.410	6.369	0.041
30	14	6.086	6.096	-0.011
30	15	5.993	5.987	0.005
35	16	6.275	6.315	-0.040
35	17	5.918	5.969	-0.051
35	18	5.973	5.987	-0.014
35	19	5.943	6.009	-0.066
35	20	6.403	6.484	-0.081
50	30	5.920	5.939	-0.019
50	31	5.998	6.002	-0.004
50	32	5.908	5.924	-0.016
50	33	6.181	6.193	-0.013
50	34	5.890	5.892	-0.003
55	40	5.848	5.914	-0.066
55	41	6.269	6.375	-0.105
55	42	6.343	6.470	-0.127
55	43	5.889	5.930	-0.040
55	44	5.808	5.864	-0.056
Max		6.410	6.484	0.041
Average		6.046	6.075	-0.029
Min		5.803	5.799	-0.127
Std Dev		0.198	0.210	0.040



29.3 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.799	5.814	5.969	5.892	5.864
Average	5.965	6.112	6.153	5.990	6.111
Max	6.057	6.369	6.484	6.193	6.470
UL	8.000	8.000	8.000	8.000	8.000

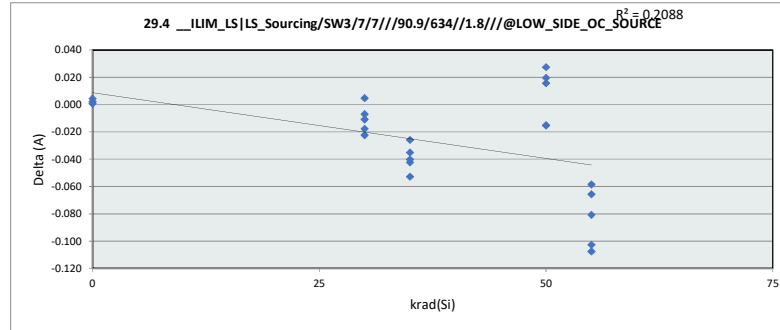


TID HDR Report

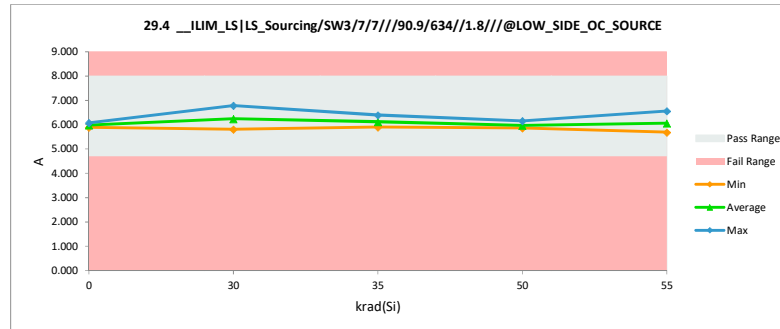
TPS7H4104-SEP

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

29.4 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.895	5.894	0.001
0	2	5.994	5.991	0.003
0	3	6.087	6.082	0.005
30	11	6.323	6.334	-0.011
30	12	6.774	6.792	-0.017
30	13	6.241	6.263	-0.022
30	14	6.033	6.028	0.005
30	15	5.809	5.816	-0.007
35	16	5.977	6.018	-0.042
35	17	6.051	6.077	-0.026
35	18	6.181	6.216	-0.035
35	19	6.349	6.401	-0.052
35	20	5.863	5.903	-0.040
50	30	5.941	5.921	0.020
50	31	5.889	5.861	0.028
50	32	5.894	5.878	0.016
50	33	6.011	6.026	-0.015
50	34	6.149	6.164	-0.015
55	40	6.116	6.218	-0.102
55	41	5.861	5.941	-0.080
55	42	6.457	6.564	-0.107
55	43	5.633	5.691	-0.058
55	44	5.836	5.901	-0.065
Max		6.774	6.792	0.028
Average		6.059	6.086	-0.027
Min		5.633	5.691	-0.107
Std Dev		0.249	0.257	0.037



29.4 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.894	5.816	5.903	5.861	5.691
Average	5.989	6.247	6.123	5.970	6.063
Max	6.082	6.792	6.401	6.164	6.564
UL	8.000	8.000	8.000	8.000	8.000

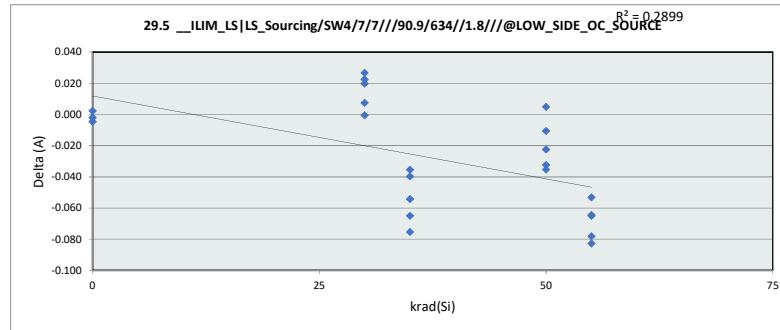


TID HDR Report

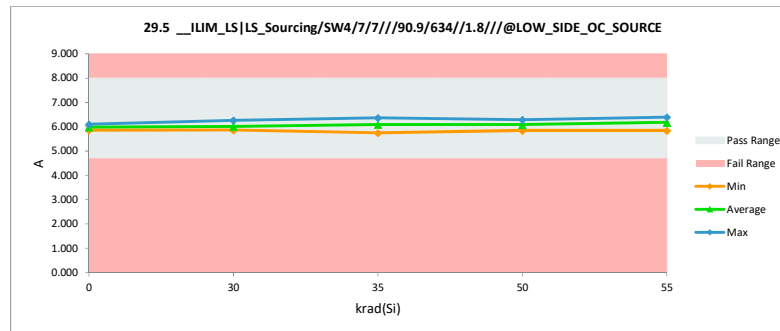
TPS7H4104-SEP

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

29.5 __ILIM_LS LS_Sourcing/S				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.6	8		
Min Limit	4.39	4.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	5.997	5.998	-0.002
0	2	5.861	5.859	0.003
0	3	6.099	6.103	-0.004
30	11	5.958	5.951	0.008
30	12	6.001	5.981	0.020
30	13	6.293	6.266	0.027
30	14	5.863	5.863	0.000
30	15	6.011	5.989	0.023
35	16	6.304	6.369	-0.065
35	17	6.183	6.259	-0.075
35	18	6.171	6.211	-0.040
35	19	5.840	5.894	-0.054
35	20	5.708	5.744	-0.035
50	30	6.290	6.285	0.005
50	31	6.176	6.198	-0.022
50	32	6.059	6.069	-0.010
50	33	6.004	6.036	-0.032
50	34	5.813	5.848	-0.035
55	40	6.226	6.304	-0.078
55	41	6.329	6.394	-0.065
55	42	6.339	6.392	-0.053
55	43	5.906	5.971	-0.064
55	44	5.766	5.848	-0.082
Max		6.339	6.394	0.027
Average		6.052	6.080	-0.027
Min		5.708	5.744	-0.082
Std Dev		0.194	0.200	0.035



29.5 __ILIM_LS LS_Sourcing/S					
Test Site					
Tester					
Test Number					
Max Limit	8	A			
Min Limit	4.7	A			
krad(Si)	0	30	35	50	55
LL	4.700	4.700	4.700	4.700	4.700
Min	5.859	5.863	5.744	5.848	5.848
Average	5.987	6.010	6.095	6.087	6.182
Max	6.103	6.266	6.369	6.285	6.394
UL	8.000	8.000	8.000	8.000	8.000

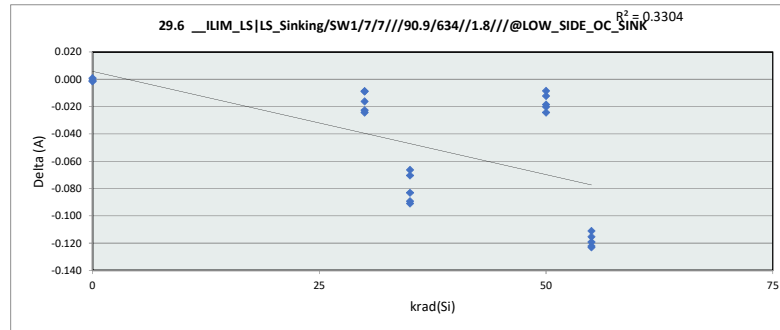


TID HDR Report

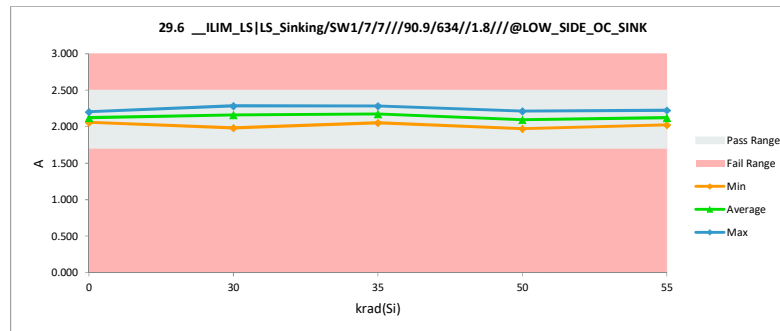
TPS7H4104-SEP

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

29.6 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.5		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.107	2.106	0.001
0	2	2.203	2.204	-0.001
0	3	2.058	2.059	-0.001
30	11	2.144	2.168	-0.024
30	12	2.264	2.286	-0.022
30	13	2.236	2.245	-0.009
30	14	2.115	2.131	-0.016
30	15	1.975	1.984	-0.009
35	16	2.157	2.248	-0.091
35	17	1.993	2.059	-0.066
35	18	2.162	2.232	-0.070
35	19	2.202	2.285	-0.083
35	20	1.965	2.054	-0.089
50	30	2.128	2.140	-0.012
50	31	2.047	2.067	-0.020
50	32	1.963	1.972	-0.008
50	33	2.189	2.213	-0.024
50	34	2.063	2.082	-0.018
55	40	2.103	2.225	-0.122
55	41	1.993	2.116	-0.123
55	42	2.058	2.177	-0.119
55	43	1.916	2.026	-0.111
55	44	1.957	2.072	-0.115
Max		2.264	2.286	0.001
Average		2.087	2.137	-0.050
Min		1.916	1.972	-0.123
Std Dev		0.100	0.094	0.046



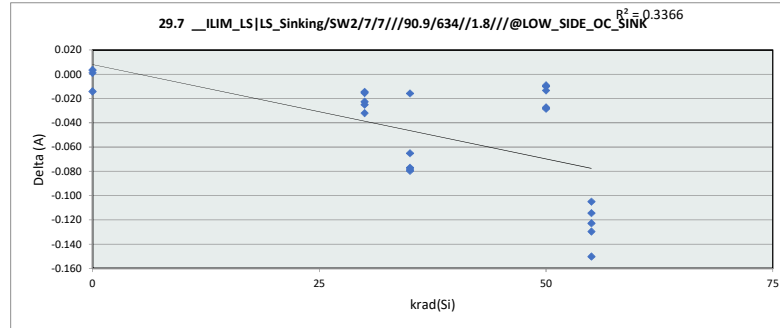
29.6 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.5	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.059	1.984	2.054	1.972	2.026
Average	2.123	2.163	2.176	2.095	2.123
Max	2.204	2.287	2.285	2.213	2.225
UL	2.500	2.500	2.500	2.500	2.500



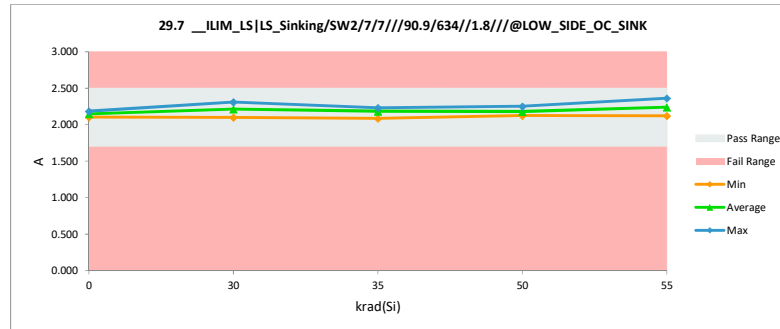
TID HDR Report TPS7H4104-SEP

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

29.7 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.5		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.157	2.155	0.002
0	2	2.110	2.106	0.004
0	3	2.172	2.186	-0.014
30	11	2.277	2.291	-0.014
30	12	2.085	2.107	-0.022
30	13	2.286	2.311	-0.025
30	14	2.249	2.264	-0.015
30	15	2.070	2.101	-0.032
35	16	2.138	2.203	-0.065
35	17	2.112	2.190	-0.078
35	18	2.072	2.088	-0.016
35	19	2.155	2.231	-0.077
35	20	2.143	2.223	-0.079
50	30	2.116	2.126	-0.010
50	31	2.133	2.142	-0.009
50	32	2.166	2.193	-0.027
50	33	2.225	2.253	-0.028
50	34	2.175	2.188	-0.013
55	40	2.092	2.197	-0.105
55	41	2.217	2.346	-0.129
55	42	2.216	2.365	-0.150
55	43	2.058	2.172	-0.114
55	44	2.001	2.123	-0.122
Max		2.286	2.365	0.004
Average		2.149	2.198	-0.049
Min		2.001	2.088	-0.150
Std Dev		0.073	0.078	0.047



29.7 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.5	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.106	2.101	2.088	2.126	2.123
Average	2.149	2.215	2.187	2.180	2.241
Max	2.186	2.311	2.231	2.253	2.365
UL	2.500	2.500	2.500	2.500	2.500

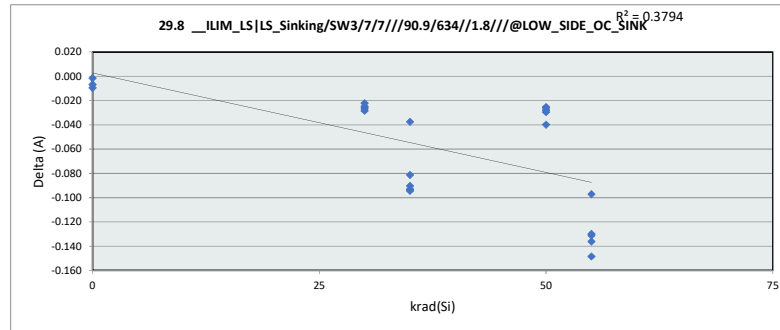


TID HDR Report

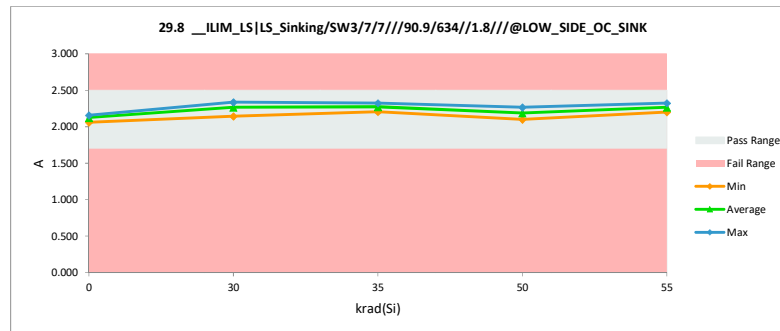
TPS7H4104-SEP

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

29.8 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.5		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.155	2.157	-0.001
0	2	2.153	2.159	-0.007
0	3	2.053	2.062	-0.009
30	11	2.250	2.277	-0.026
30	12	2.223	2.247	-0.024
30	13	2.310	2.336	-0.026
30	14	2.301	2.329	-0.028
30	15	2.122	2.144	-0.022
35	16	2.233	2.326	-0.093
35	17	2.190	2.280	-0.090
35	18	2.260	2.297	-0.037
35	19	2.180	2.261	-0.081
35	20	2.110	2.204	-0.094
50	30	2.105	2.130	-0.025
50	31	2.074	2.100	-0.026
50	32	2.160	2.188	-0.028
50	33	2.217	2.256	-0.039
50	34	2.238	2.267	-0.029
55	40	2.142	2.271	-0.130
55	41	2.128	2.259	-0.131
55	42	2.189	2.325	-0.136
55	43	2.106	2.203	-0.097
55	44	2.125	2.273	-0.148
Max		2.310	2.336	-0.001
Average		2.175	2.233	-0.058
Min		2.053	2.062	-0.148
Std Dev		0.070	0.077	0.047



29.8 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.5	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.062	2.144	2.204	2.100	2.203
Average	2.126	2.267	2.274	2.188	2.266
Max	2.159	2.336	2.326	2.268	2.325
UL	2.500	2.500	2.500	2.500	2.500

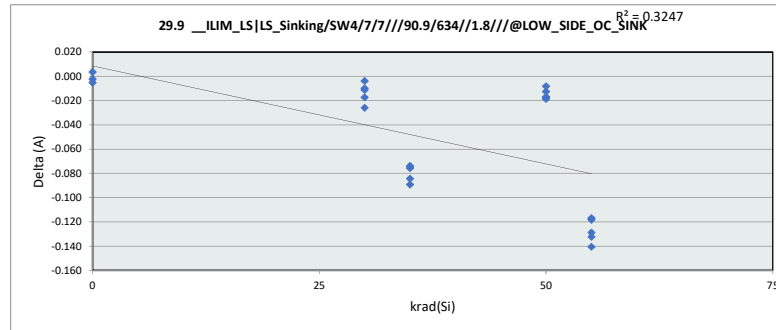


TID HDR Report

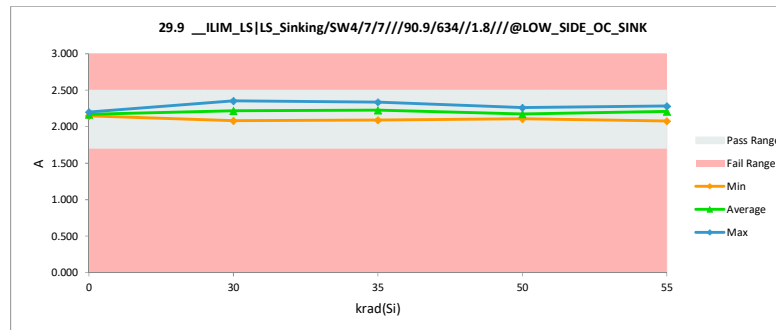
TPS7H4104-SEP

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

29.9 __ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	2.5		
Min Limit	1.5	1.7		
krad(Si)	Serial #	PostHDR	PreHDR	Delta
0	1	2.145	2.149	-0.005
0	2	2.165	2.162	0.004
0	3	2.199	2.201	-0.002
30	11	2.227	2.231	-0.004
30	12	2.329	2.355	-0.026
30	13	2.190	2.207	-0.017
30	14	2.215	2.226	-0.011
30	15	2.073	2.083	-0.010
35	16	2.195	2.269	-0.074
35	17	2.118	2.203	-0.084
35	18	2.251	2.340	-0.089
35	19	2.164	2.240	-0.076
35	20	2.018	2.091	-0.074
50	30	2.243	2.260	-0.018
50	31	2.208	2.216	-0.008
50	32	2.164	2.176	-0.012
50	33	2.097	2.115	-0.018
50	34	2.093	2.109	-0.017
55	40	2.135	2.275	-0.140
55	41	2.121	2.250	-0.128
55	42	2.151	2.283	-0.132
55	43	1.960	2.078	-0.118
55	44	2.052	2.168	-0.117
Max		2.329	2.355	0.004
Average		2.153	2.204	-0.051
Min		1.960	2.078	-0.140
Std Dev		0.082	0.077	0.050



29.9 __ILIM_LS LS_Sinking/SW					
Test Site					
Tester					
Test Number					
Max Limit	2.5	A			
Min Limit	1.7	A			
krad(Si)	0	30	35	50	55
LL	1.700	1.700	1.700	1.700	1.700
Min	2.149	2.083	2.091	2.110	2.078
Average	2.171	2.220	2.228	2.176	2.211
Max	2.201	2.355	2.340	2.260	2.283
UL	2.500	2.500	2.500	2.500	2.500



6 Revision History

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

Changes from Revision * (February 2025) to Revision A (September 2025)	Page
• Changed TPS7H4104-SP to TPS7H4104-SEP.....	0

IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265
Copyright © 2025, Texas Instruments Incorporated