

Radiation Report

TPS7H4102-SP Neutron Displacement Damage (NDD) Characterization Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H4102-SP, a 7V, 3A channel, dual channel, peak-current mode synchronous buck converter optimized for use in area sensitive, space environment applications. The TPS7H4102-SP showed a strong degree of hardness to neutron irradiation up to fluence level 1×10^{13} n/cm². The neutron irradiation test is a destructive test. Test procedure follows MIL-STD-883 Method 1017 as guidance. The purpose of this test is to determine the device susceptibility to non-ionizing energy loss (NIEL) degradation. Objectives of the test are, to detect and measure the degradation of critical device parameters as a function of neutron fluence and to determine if these parameters are within specified limits after exposure to a specified level of neutron fluence.

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1 Device Information

1.1 Product Description

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

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

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

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

1.2 Device Details

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

Table 1-1. Device and Exposure Details

NDD Exposure Details	
TI Device	TPS7H4102-SEP
TI Part Name	TPS7H4102PAPTSEP
Package	64-pin HTQFP (PAP)
Technology	LBC7
Lot Number/ LTC	5151340 / 53CJVYW
Quantity Tested	12 + 3 control units
Exposure Facility	Fast Neutron Irradiation (FNI) Facility of University of Massachusetts Lowell Research Reactor (UMLRR)
Neutron Fluence (1-MeV equivalent) Level	1×10^{12} , 5×10^{12} , 1×10^{13} n/cm ²
Irradiation Temperature	Ambient room temperature

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H4102-SEP was tested according to MIL-STD-883, Method 1017 as a guide for neutron irradiation. The TPS7H4102-SP was electrically tested using the production automated test equipment (ATE) program at an ambient room temperature of 25°C before and after neutron irradiation. All devices remained functional passing all parametric test limits.

2.2 Test Description and Facilities

The utilized test facility is the Fast Neutron Irradiation (FNI) Facility of University of Massachusetts Lowell Research Reactor. The neutron fluence for this irradiation was measured utilizing ASTM E-265 “Measuring Reaction Rates and Fast Neutron Fluence by Radioactivation of Sulfur-32” and correlated to the measured reactor power level. All irradiation conditions required under ASTM 722 were met, this includes: neutron fluence, distribution and uncertainty. The Average Integrated Neutron Fluence, 1-MeV(Si) equivalent, reflects these factors. Detailed information of the radiation facility is available at the following link: [UNIVERSITY OF MASSACHUSETTS LOWELL RESEARCH REACTOR](#)

2.3 Test Setup Details

Devices were irradiated at three fluence levels in unbiased conditions: 1.0×10^{12} n/cm², 5.0×10^{12} n/cm² and 1.0×10^{13} n/cm². See the details in the following table.

2.4 Test Configuration and Conditions

Table 2-1. Neutron Irradiation Conditions

GROUP	SAMPLE QTY	NEUTRON FLUENCE (n/cm ²)	BIAS
A	4	1.0×10^{12}	Unbias
B	4	5.0×10^{12}	Unbias
C	4	1.0×10^{13}	Unbias
Control Units	3	N/A	N/A

3 NDD Characterization Test Results

3.1 NDD Characterization Summary

The results show that all devices were fully functional and within specification limits. A sample size of twelve units was exposed for neutron irradiation and an additional unirradiated control units were used as correlation.

Overall, the TPS7H4102-SP showed a strong degree of hardness to Neutron irradiation up to fluence level $1 \times 10^{13} \text{ n/cm}^2$. The measurements taken post-irradiation for each sample set showed a marginal shift for most parameters at each fluence level. 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 table. See Table 3-1 for the Data Sheet Electrical Parameters and Associated Tests. Electrical testing is done for pre- and post- neutron irradiation by ATE. ATE electrical test is done at an ambient room temperature of 25°C. See Appendix A for NDD report up to $1.0 \times 10^{13} \text{ n/cm}^2$.

The parameters post-irradiation were still within the electrical performance characteristics specified in the data sheet electrical parameters. See [TPS7H410x-SP Radiation-Hardeness-Assured, 3V to 7V Input , 3A/Channel, Multichannel Synchronous Buck Converter](#) for the data sheet electrical parameters and associated tests.

See Appendix A for NDD report up to $1 \times 10^{13} \text{ n/cm}^2$.

3.2 Specification Compliance Matrix

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

Table 3-1. Specification Compliance Matrix

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

Table 3-1. Specification Compliance Matrix (continued)

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

Table 3-1. Specification Compliance Matrix (continued)

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

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H410x-SP Radiation-Hardeness-Assured, 3V to 7V Input , 3A/Channel, Multichannel Synchronous Buck Converter](#), data sheet

4.2 Reference Documents

Texas Instruments neutron irradiation test follow the guideline from MIL-STD-883 TM 1017. The document is available in Defense Logistic Agency's website.

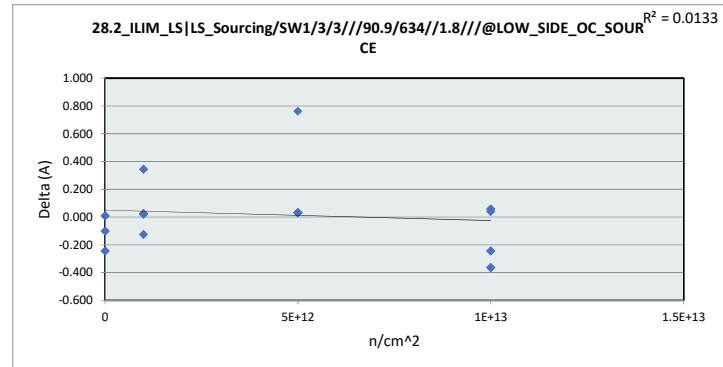
A Appendix: NDD Report Data

This appendix contains the NDD report data.

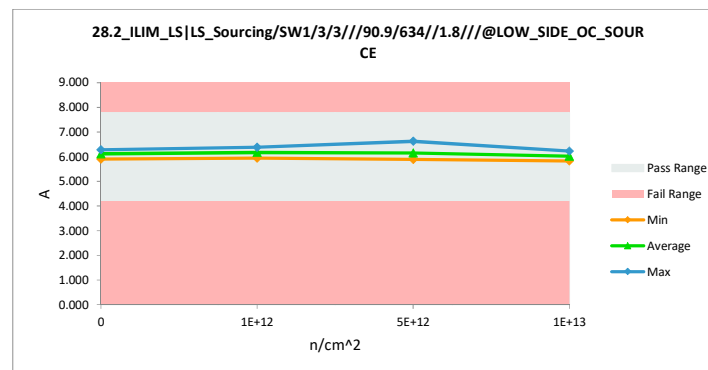
NDD Report
TPS7H4102-SP

NDD Report TPS7H4102-SP

28.2_ILIM_LS LS_Sourcing/SW1/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOUR				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	7.8		7.792	
Min Limit	4.2		4.208	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.148	5.904	-0.245
0	2	6.263	6.161	-0.103
0	3	6.271	6.279	0.008
1E+12	30	5.925	6.269	0.344
1E+12	31	6.068	5.941	-0.127
1E+12	32	6.069	6.089	0.021
1E+12	33	6.356	6.381	0.025
5E+12	34	6.101	6.133	0.032
5E+12	35	5.918	5.946	0.028
5E+12	36	5.861	5.891	0.031
5E+12	37	5.863	6.624	0.761
1E+13	38	6.038	6.095	0.056
1E+13	39	6.191	5.826	-0.365
1E+13	40	6.194	5.948	-0.245
1E+13	41	6.191	6.231	0.039
	Max	6.356	6.624	0.761
	Average	6.097	6.115	0.017
	Min	5.861	5.826	-0.365
	Std Dev	0.154	0.218	0.265

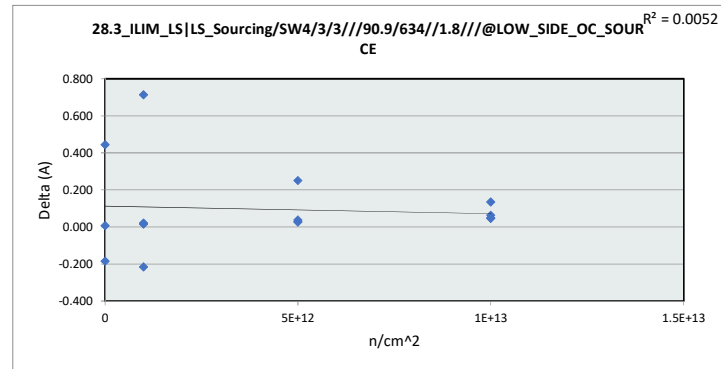


28.2_ILIM_LS LS_Sourcing/SW1/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOUR				
Test Site				
Tester				
Test Number				
Max Limit	7.792		A	
Min Limit	4.208		A	
n/cm ²	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.904	5.941	5.892	5.826
Average	6.114	6.170	6.149	6.025
Max	6.279	6.382	6.624	6.231
UL	7.792	7.792	7.792	7.792

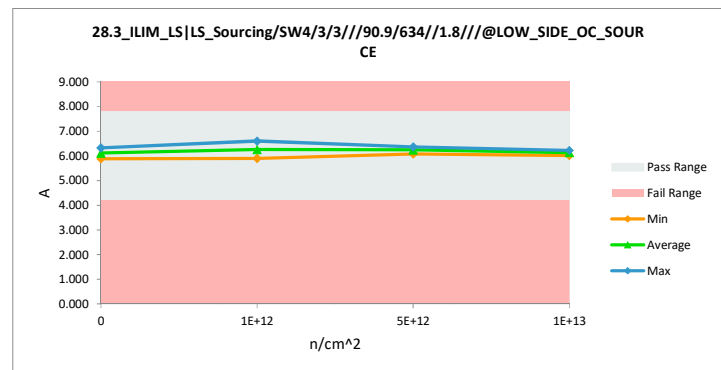


NDD Report TPS7H4102-SP

28.3_ILIM_LS LS_Sourcing/SW4/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOUR				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	7.8		7.792	
Min Limit	4.2		4.208	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.319	6.134	-0.185
0	2	5.881	6.324	0.443
0	3	5.881	5.887	0.006
1E+12	30	5.894	6.607	0.713
1E+12	31	6.115	5.899	-0.216
1E+12	32	6.111	6.126	0.015
1E+12	33	6.399	6.419	0.020
5E+12	34	6.334	6.364	0.030
5E+12	35	6.189	6.226	0.037
5E+12	36	6.057	6.082	0.025
5E+12	37	6.056	6.307	0.250
1E+13	38	5.969	6.014	0.046
1E+13	39	6.086	6.221	0.135
1E+13	40	6.084	6.132	0.048
1E+13	41	6.089	6.152	0.063
	Max	6.399	6.607	0.713
	Average	6.098	6.193	0.095
	Min	5.881	5.887	-0.216
	Std Dev	0.160	0.193	0.230



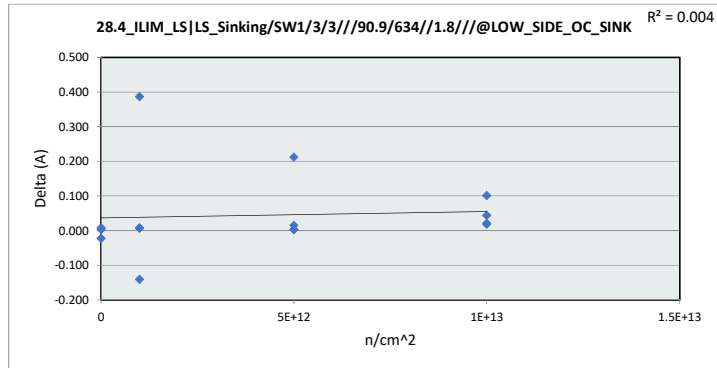
28.3_ILIM_LS LS_Sourcing/SW4/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOUR				
Test Site				
Tester				
Test Number				
Max Limit	7.792		A	
Min Limit	4.208		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.887	5.899	6.082	6.014
Average	6.115	6.263	6.245	6.130
Max	6.324	6.607	6.364	6.221
UL	7.792	7.792	7.792	7.792



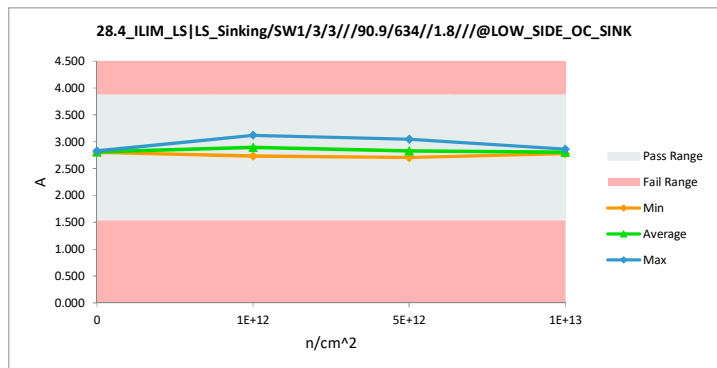
NDD Report

TPS7H4102-SP

		28.4_ILIM_LS LS_Sinking/SW1/3/3//90		
Test Site				
Tester				
Test Number				
Unit		A	A	
Max Limit		3.9	3.867	
Min Limit		1.5	1.533	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.799	2.807	0.008
0	2	2.824	2.801	-0.023
0	3	2.825	2.828	0.004
1E+12	30	2.733	3.119	0.387
1E+12	31	2.874	2.732	-0.141
1E+12	32	2.872	2.878	0.006
1E+12	33	2.842	2.850	0.008
5E+12	34	2.704	2.707	0.003
5E+12	35	2.706	2.721	0.015
5E+12	36	2.834	2.837	0.002
5E+12	37	2.836	3.048	0.212
1E+13	38	2.758	2.779	0.021
1E+13	39	2.758	2.802	0.044
1E+13	40	2.759	2.861	0.102
1E+13	41	2.760	2.778	0.018
	Max	2.874	3.119	0.387
	Average	2.792	2.837	0.044
	Min	2.704	2.707	-0.141
	Std Dev	0.056	0.113	0.119

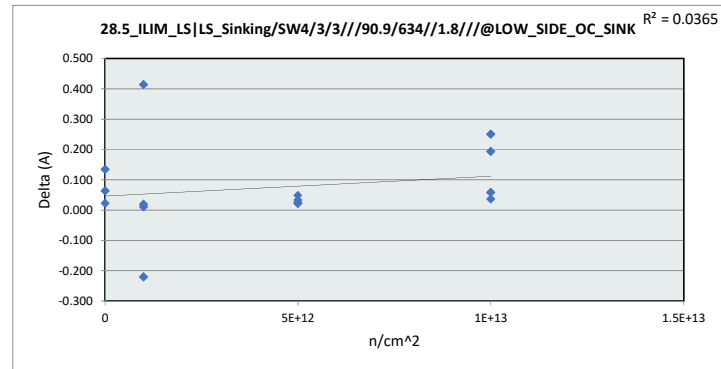


		28.4 ILIM_LS LS_Sinking/SW			
Test Site					
Tester					
Test Number					
Max Limit	3.867	A			
Min Limit	1.533	A			
n/cm^2	0	1E+12	5E+12	1E+13	
LL	1.533	1.533	1.533	1.533	
Min	2.801	2.732	2.707	2.778	
Average	2.812	2.895	2.828	2.805	
Max	2.828	3.119	3.048	2.861	
UL	3.867	3.867	3.867	3.867	

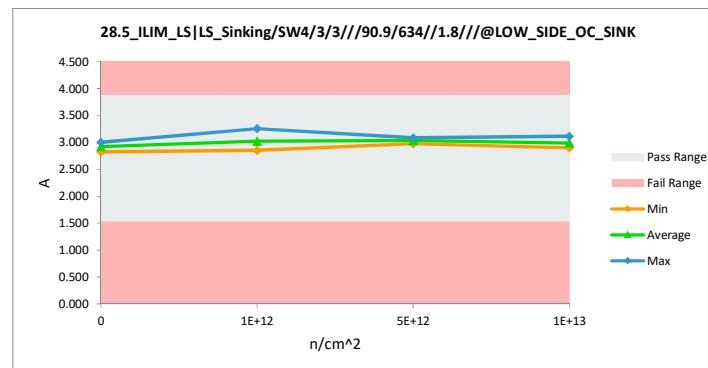


NDD Report TPS7H4102-SP

28.5_ILIM_LS LS_Sinking/SW4/3/3//90.9/634//1.8//@LOW_SIDE_OC_SINK				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.939	3.003	0.064
0	2	2.806	2.940	0.134
0	3	2.803	2.826	0.023
1E+12	30	2.842	3.257	0.414
1E+12	31	3.074	2.853	-0.220
1E+12	32	3.073	3.084	0.010
1E+12	33	2.878	2.898	0.020
5E+12	34	2.950	2.975	0.025
5E+12	35	2.977	3.009	0.033
5E+12	36	3.047	3.068	0.021
5E+12	37	3.039	3.088	0.049
1E+13	38	2.863	2.899	0.037
1E+13	39	2.851	3.045	0.194
1E+13	40	2.867	3.117	0.250
1E+13	41	2.851	2.909	0.058
	Max	3.074	3.257	0.414
	Average	2.924	2.998	0.074
	Min	2.803	2.826	-0.220
	Std Dev	0.097	0.115	0.139

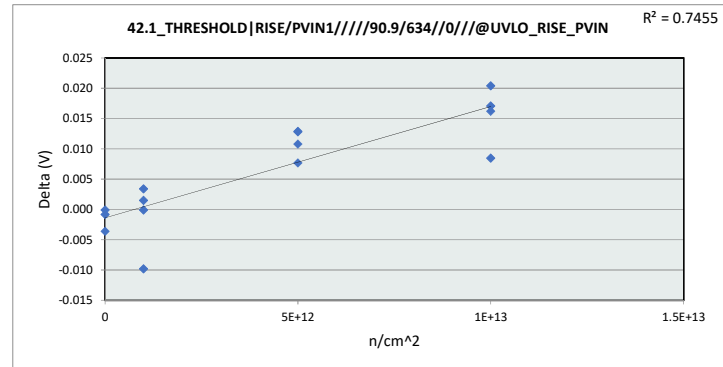


28.5_ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Max Limit	3.867		A	
Min Limit	1.533		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.826	2.853	2.975	2.899
Average	2.923	3.023	3.035	2.992
Max	3.003	3.257	3.088	3.117
UL	3.867	3.867	3.867	3.867

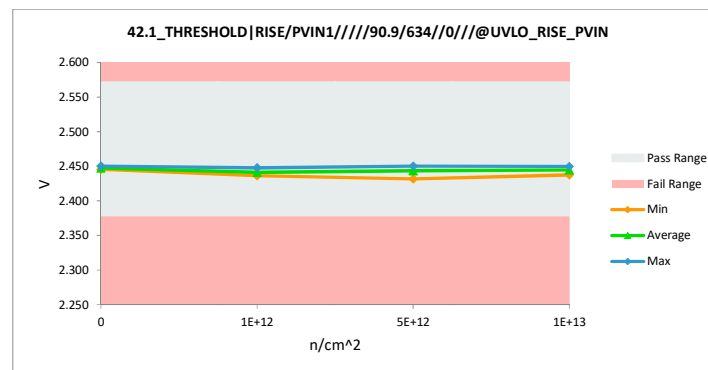


NDD Report TPS7H4102-SP

42.1_THRESHOLD RISE/PVIN1/////90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.58		2.572	
Min Limit	2.37		2.378	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.447	2.446	-0.001
0	2	2.450	2.446	-0.004
0	3	2.451	2.450	0.000
1E+12	30	2.436	2.440	0.003
1E+12	31	2.446	2.436	-0.010
1E+12	32	2.446	2.448	0.001
1E+12	33	2.442	2.442	0.000
5E+12	34	2.419	2.432	0.013
5E+12	35	2.433	2.446	0.013
5E+12	36	2.439	2.450	0.011
5E+12	37	2.439	2.447	0.008
1E+13	38	2.433	2.450	0.017
1E+13	39	2.429	2.438	0.009
1E+13	40	2.428	2.445	0.016
1E+13	41	2.427	2.447	0.020
	Max	2.451	2.450	0.020
	Average	2.438	2.444	0.006
	Min	2.419	2.432	-0.010
	Std Dev	0.009	0.006	0.009

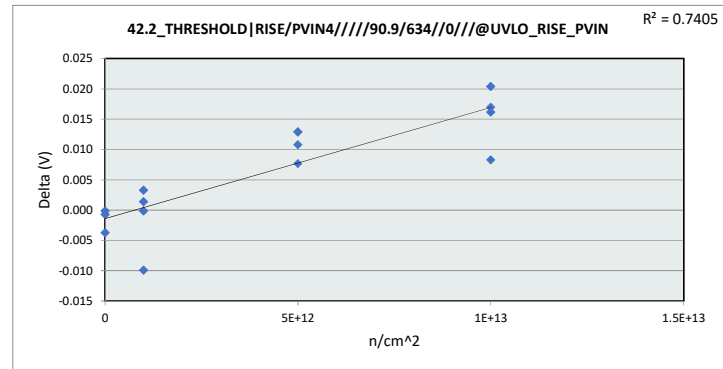


42.1_THRESHOLD RISE/PVIN1				
Test Site				
Tester				
Test Number				
Max Limit	2.572		V	
Min Limit	2.378		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	2.378	2.378	2.378	2.378
Min	2.446	2.436	2.432	2.438
Average	2.448	2.441	2.444	2.445
Max	2.450	2.448	2.450	2.450
UL	2.572	2.572	2.572	2.572

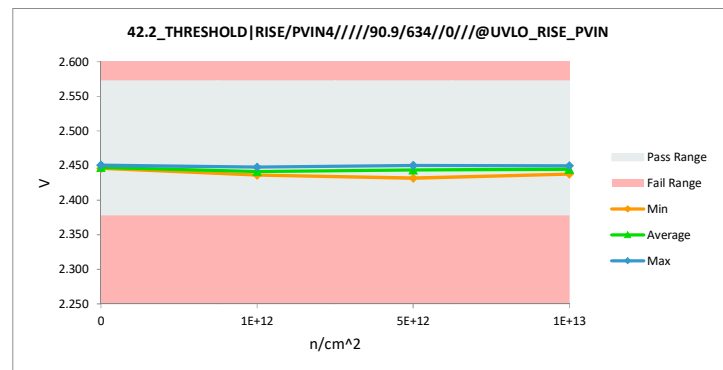


NDD Report TPS7H4102-SP

42.2_THRESHOLD RISE/PVIN4/////90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.58		2.572	
Min Limit	2.37		2.378	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.447	2.446	-0.001
0	2	2.450	2.446	-0.004
0	3	2.451	2.450	0.000
1E+12	30	2.436	2.439	0.003
1E+12	31	2.446	2.436	-0.010
1E+12	32	2.446	2.448	0.001
1E+12	33	2.442	2.442	0.000
5E+12	34	2.419	2.432	0.013
5E+12	35	2.433	2.446	0.013
5E+12	36	2.439	2.450	0.011
5E+12	37	2.439	2.447	0.008
1E+13	38	2.433	2.450	0.017
1E+13	39	2.429	2.438	0.008
1E+13	40	2.428	2.445	0.016
1E+13	41	2.427	2.447	0.020
	Max	2.451	2.450	0.020
	Average	2.438	2.444	0.006
	Min	2.419	2.432	-0.010
	Std Dev	0.009	0.006	0.009

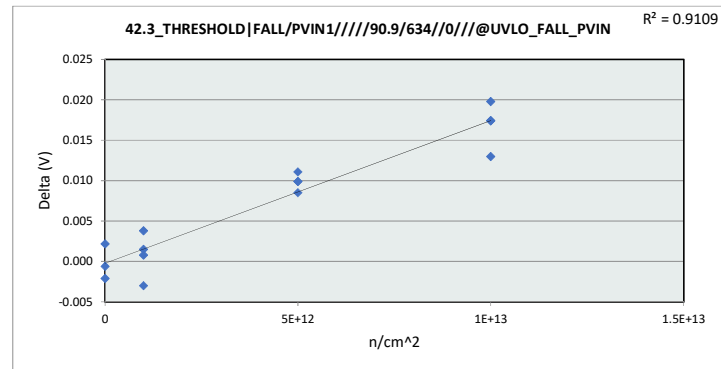


42.2_THRESHOLD RISE/PVIN4				
Test Site				
Tester				
Test Number				
Max Limit	2.572		V	
Min Limit	2.378		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	2.378	2.378	2.378	2.378
Min	2.446	2.436	2.432	2.438
Average	2.447	2.441	2.444	2.445
Max	2.450	2.448	2.450	2.450
UL	2.572	2.572	2.572	2.572

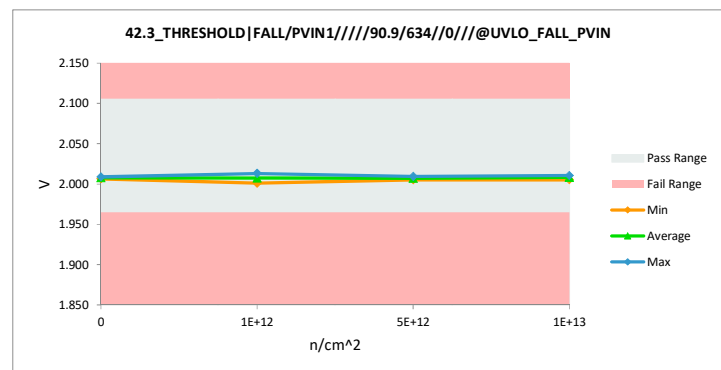


NDD Report TPS7H4102-SP

42.3_THRESHOLD FALL/PVIN1/////90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.11		2.105	
Min Limit	1.96		1.965	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.010	2.008	-0.002
0	2	2.007	2.009	0.002
0	3	2.007	2.007	-0.001
1E+12	30	2.008	2.005	-0.003
1E+12	31	2.010	2.010	0.001
1E+12	32	2.009	2.013	0.004
1E+12	33	2.000	2.001	0.002
5E+12	34	1.998	2.007	0.008
5E+12	35	2.000	2.009	0.010
5E+12	36	1.995	2.005	0.010
5E+12	37	1.995	2.006	0.011
1E+13	38	1.991	2.010	0.020
1E+13	39	1.992	2.005	0.013
1E+13	40	1.990	2.007	0.017
1E+13	41	1.992	2.010	0.017
Max		2.010	2.013	0.020
Average		2.000	2.008	0.007
Min		1.990	2.001	-0.003
Std Dev		0.008	0.003	0.008

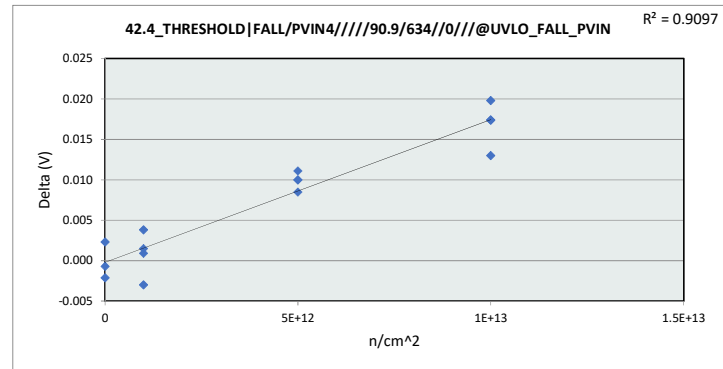


42.3_THRESHOLD FALL/PVIN1/////90.9				
Test Site				
Tester				
Test Number				
Max Limit	2.105		V	
Min Limit	1.965		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	1.965	1.965	1.965	1.965
Min	2.007	2.001	2.005	2.005
Average	2.008	2.008	2.007	2.008
Max	2.009	2.013	2.009	2.011
UL	2.105	2.105	2.105	2.105

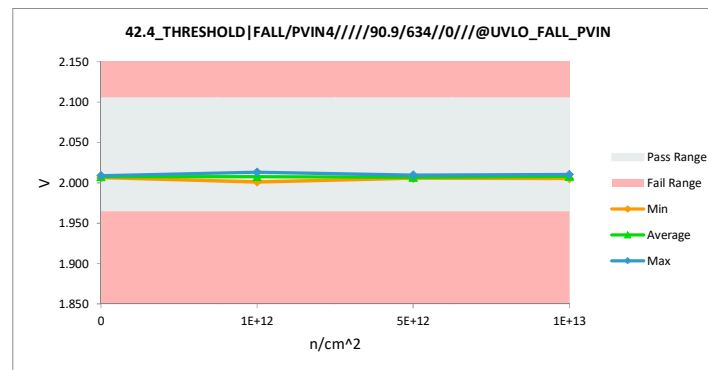


NDD Report TPS7H4102-SP

42.4_THRESHOLD FALL/PVIN4/////90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.11		2.105	
Min Limit	1.96		1.965	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.010	2.008	-0.002
0	2	2.007	2.009	0.002
0	3	2.007	2.007	-0.001
1E+12	30	2.008	2.005	-0.003
1E+12	31	2.010	2.010	0.001
1E+12	32	2.009	2.013	0.004
1E+12	33	2.000	2.001	0.002
5E+12	34	1.998	2.007	0.008
5E+12	35	2.000	2.010	0.010
5E+12	36	1.995	2.006	0.010
5E+12	37	1.995	2.006	0.011
1E+13	38	1.991	2.010	0.020
1E+13	39	1.992	2.005	0.013
1E+13	40	1.990	2.007	0.017
1E+13	41	1.992	2.010	0.017
	Max	2.010	2.013	0.020
	Average	2.000	2.008	0.007
	Min	1.990	2.001	-0.003
	Std Dev	0.008	0.003	0.008

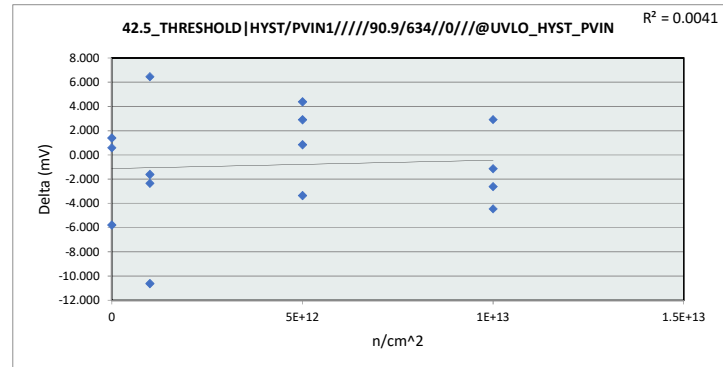


42.4_THRESHOLD FALL/PVIN4				
Test Site				
Tester				
Test Number				
Max Limit	2.105		V	
Min Limit	1.965		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.965	1.965	1.965	1.965
Min	2.007	2.001	2.006	2.005
Average	2.008	2.008	2.007	2.008
Max	2.009	2.013	2.010	2.011
UL	2.105	2.105	2.105	2.105

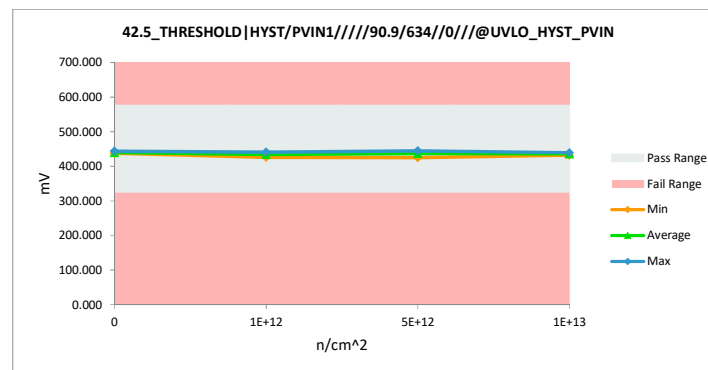


NDD Report TPS7H4102-SP

42.5_THRESHOLD HYST/PVIN1////90.9				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	585		576	
Min Limit	315		324	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	436.396	437.790	1.394
0	2	443.316	437.536	-5.780
0	3	443.369	443.959	0.590
1E+12	30	427.699	434.145	6.447
1E+12	31	436.496	425.869	-10.627
1E+12	32	437.056	434.718	-2.338
1E+12	33	442.401	440.801	-1.600
5E+12	34	420.915	425.298	4.383
5E+12	35	433.521	436.422	2.901
5E+12	36	443.791	444.627	0.836
5E+12	37	443.599	440.240	-3.358
1E+13	38	441.974	439.350	-2.624
1E+13	39	436.995	432.541	-4.454
1E+13	40	438.453	437.313	-1.141
1E+13	41	434.125	437.043	2.917
	Max	443.791	444.627	6.447
	Average	437.340	436.510	-0.830
	Min	420.915	425.298	-10.627
	Std Dev	6.495	5.535	4.343

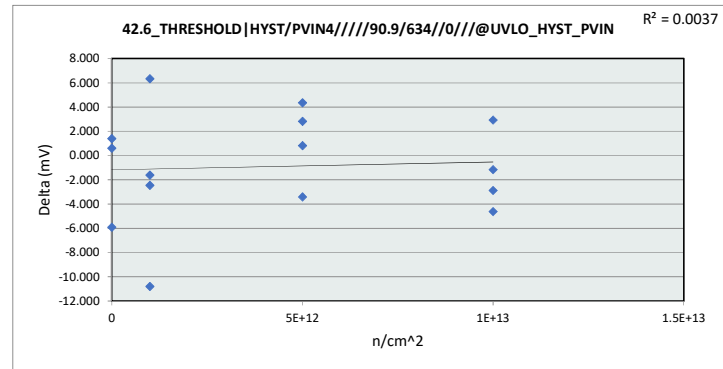


42.5_THRESHOLD HYST/PVIN				
Test Site				
Tester				
Test Number				
Max Limit	576		mV	
Min Limit	324		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	324.000	324.000	324.000	324.000
Min	437.537	425.869	425.298	432.541
Average	439.762	433.883	436.647	436.561
Max	443.959	440.801	444.627	439.350
UL	576.000	576.000	576.000	576.000

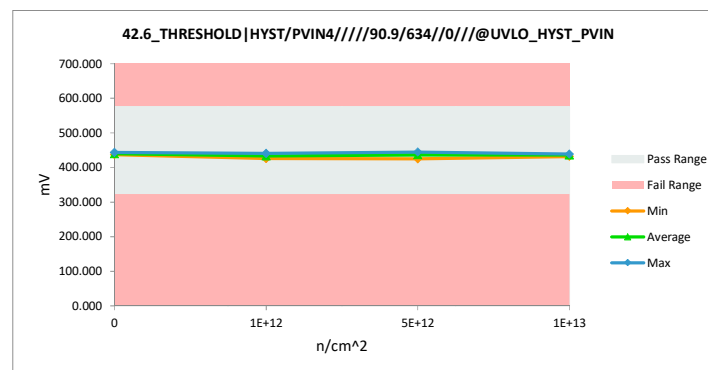


NDD Report TPS7H4102-SP

42.6_THRESHOLD HYST/PVIN4////90.9				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	585		576	
Min Limit	315		324	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	436.341	437.736	1.395
0	2	443.283	437.383	-5.901
0	3	443.322	443.928	0.607
1E+12	30	427.685	434.023	6.338
1E+12	31	436.506	425.710	-10.796
1E+12	32	437.066	434.609	-2.457
1E+12	33	442.393	440.771	-1.623
5E+12	34	420.940	425.296	4.355
5E+12	35	433.562	436.389	2.827
5E+12	36	443.788	444.617	0.828
5E+12	37	443.605	440.188	-3.417
1E+13	38	442.056	439.188	-2.868
1E+13	39	436.990	432.366	-4.624
1E+13	40	438.464	437.308	-1.156
1E+13	41	434.129	437.067	2.938
	Max	443.788	444.617	6.338
	Average	437.342	436.438	-0.904
	Min	420.940	425.296	-10.796
	Std Dev	6.490	5.556	4.385

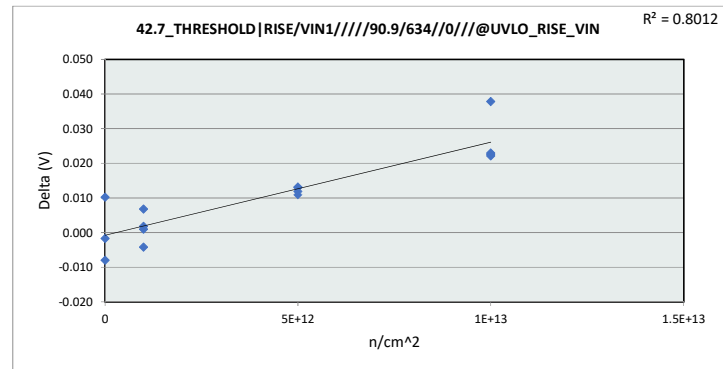


42.6_THRESHOLD HYST/PVIN4////90.9/634//0///@UVLO_HYST_PVIN				
Test Site				
Tester				
Test Number				
Max Limit	576		mV	
Min Limit	324		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	324.000	324.000	324.000	324.000
Min	437.383	425.710	425.296	432.366
Average	439.682	433.778	436.622	436.482
Max	443.928	440.771	444.617	439.188
UL	576.000	576.000	576.000	576.000

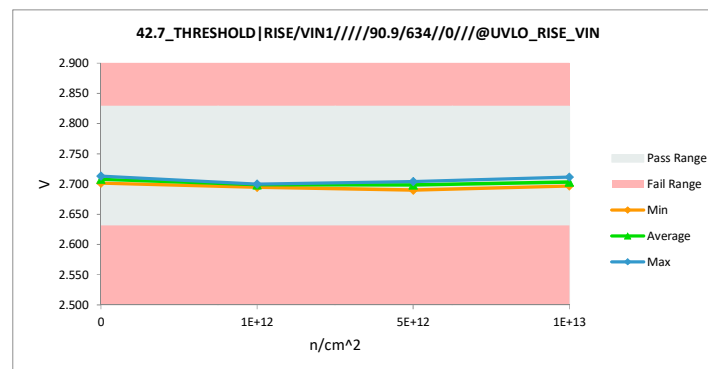


NDD Report TPS7H4102-SP

42.7_THRESHOLD RISE/VIN1////90.9/634/0//@UVLO_RISE_VIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.8285		
Min Limit	2.63	2.6315		
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.703	2.713	0.010
0	2	2.709	2.701	-0.008
0	3	2.711	2.709	-0.002
1E+12	30	2.693	2.700	0.007
1E+12	31	2.699	2.695	-0.004
1E+12	32	2.699	2.700	0.001
1E+12	33	2.698	2.700	0.002
5E+12	34	2.678	2.690	0.012
5E+12	35	2.686	2.697	0.011
5E+12	36	2.690	2.703	0.013
5E+12	37	2.691	2.704	0.013
1E+13	38	2.684	2.707	0.023
1E+13	39	2.675	2.697	0.023
1E+13	40	2.674	2.712	0.038
1E+13	41	2.675	2.697	0.022
	Max	2.711	2.713	0.038
	Average	2.691	2.702	0.011
	Min	2.674	2.690	-0.008
	Std Dev	0.012	0.006	0.012

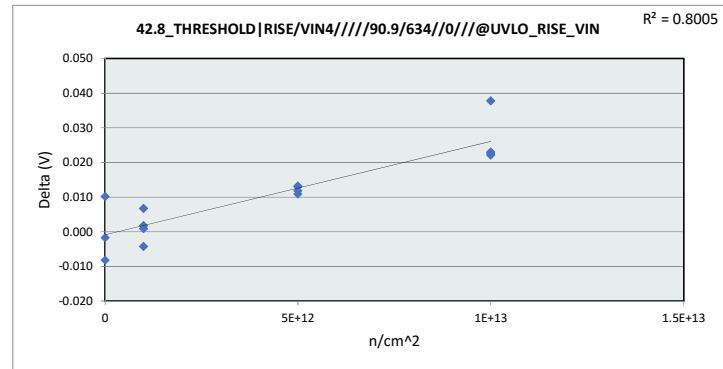


42.7_THRESHOLD RISE/VIN1////90.9/634/0//@UVLO_RISE_VIN				
Test Site				
Tester				
Test Number				
Max Limit	2.8285	V		
Min Limit	2.6315	V		
n/cm ²	0	1E+12	5E+12	1E+13
LL	2.632	2.632	2.632	2.632
Min	2.701	2.695	2.690	2.697
Average	2.708	2.699	2.699	2.703
Max	2.713	2.700	2.704	2.712
UL	2.829	2.829	2.829	2.829

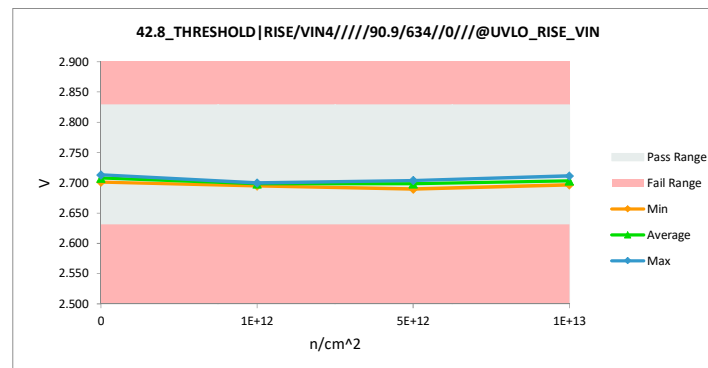


NDD Report TPS7H4102-SP

42.8_THRESHOLD RISE/VIN4////90.9/634/0//@UVLO_RISE_VIN				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.8285		
Min Limit	2.63	2.6315		
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.703	2.713	0.010
0	2	2.710	2.701	-0.008
0	3	2.711	2.709	-0.002
1E+12	30	2.693	2.700	0.007
1E+12	31	2.699	2.695	-0.004
1E+12	32	2.699	2.700	0.001
1E+12	33	2.698	2.700	0.002
5E+12	34	2.678	2.690	0.012
5E+12	35	2.686	2.697	0.011
5E+12	36	2.690	2.703	0.013
5E+12	37	2.691	2.704	0.013
1E+13	38	2.684	2.707	0.023
1E+13	39	2.675	2.697	0.023
1E+13	40	2.674	2.712	0.038
1E+13	41	2.675	2.697	0.022
	Max	2.711	2.713	0.038
	Average	2.691	2.702	0.011
	Min	2.674	2.690	-0.008
	Std Dev	0.012	0.006	0.012

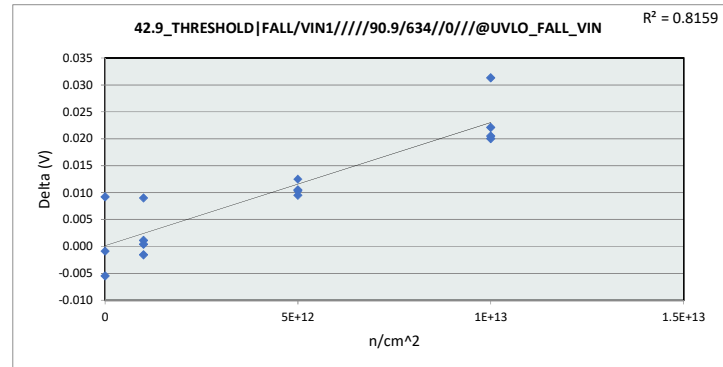


42.8_THRESHOLD RISE/VIN4////90.9/634/0//@UVLO_RISE_VIN				
Test Site				
Tester				
Test Number				
Max Limit	2.8285	V		
Min Limit	2.6315	V		
n/cm ²	0	1E+12	5E+12	1E+13
LL	2.632	2.632	2.632	2.632
Min	2.701	2.695	2.690	2.697
Average	2.708	2.699	2.698	2.703
Max	2.713	2.700	2.704	2.712
UL	2.829	2.829	2.829	2.829

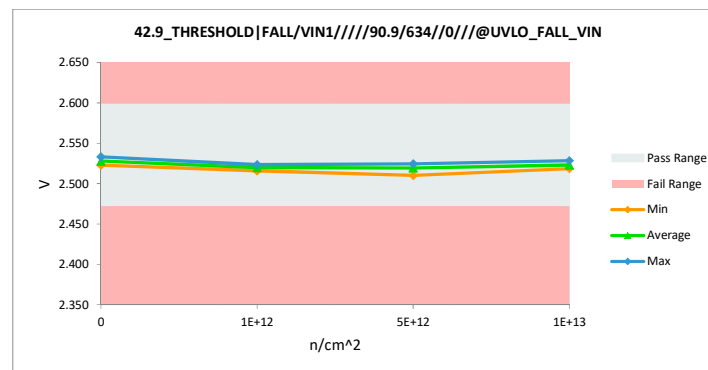


NDD Report TPS7H4102-SP

42.9_THRESHOLD FALL VIN1 ///90.9/634 0 ///@UVLO_FALL_VIN				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.6		2.598	
Min Limit	2.47		2.472	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.524	2.533	0.009
0	2	2.529	2.523	-0.006
0	3	2.529	2.528	-0.001
1E+12	30	2.514	2.523	0.009
1E+12	31	2.518	2.516	-0.002
1E+12	32	2.518	2.518	0.000
1E+12	33	2.520	2.522	0.001
5E+12	34	2.500	2.510	0.010
5E+12	35	2.511	2.522	0.010
5E+12	36	2.512	2.521	0.010
5E+12	37	2.512	2.524	0.012
1E+13	38	2.504	2.526	0.022
1E+13	39	2.498	2.518	0.020
1E+13	40	2.497	2.529	0.031
1E+13	41	2.498	2.519	0.020
	Max	2.529	2.533	0.031
	Average	2.512	2.522	0.010
	Min	2.497	2.510	-0.006
	Std Dev	0.011	0.006	0.010

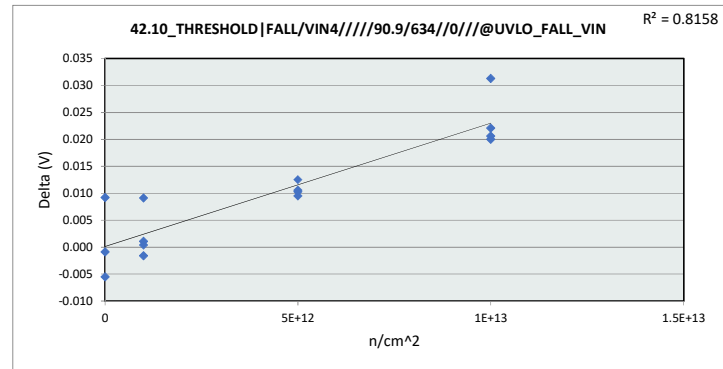


42.9_THRESHOLD FALL VIN1 ///90.9/634 0 ///@UVLO_FALL_VIN				
Test Site				
Tester				
Test Number				
Max Limit	2.598		V	
Min Limit	2.472		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	2.472	2.472	2.472	2.472
Min	2.523	2.516	2.510	2.518
Average	2.528	2.520	2.519	2.523
Max	2.533	2.524	2.525	2.529
UL	2.598	2.598	2.598	2.598

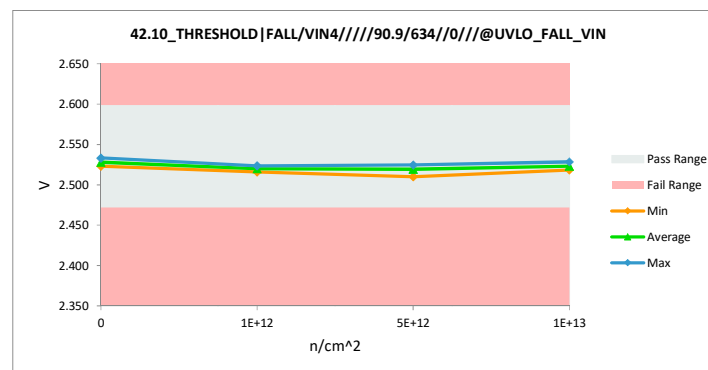


NDD Report TPS7H4102-SP

42.10_THRESHOLD FALL/VIN4/////90.9/				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.6		2.598	
Min Limit	2.47		2.472	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.524	2.533	0.009
0	2	2.529	2.523	-0.006
0	3	2.529	2.528	-0.001
1E+12	30	2.514	2.523	0.009
1E+12	31	2.518	2.516	-0.002
1E+12	32	2.518	2.518	0.000
1E+12	33	2.520	2.522	0.001
5E+12	34	2.500	2.510	0.011
5E+12	35	2.511	2.522	0.010
5E+12	36	2.512	2.521	0.010
5E+12	37	2.512	2.524	0.012
1E+13	38	2.504	2.526	0.022
1E+13	39	2.498	2.518	0.020
1E+13	40	2.497	2.529	0.031
1E+13	41	2.498	2.519	0.021
	Max	2.529	2.533	0.031
	Average	2.512	2.522	0.010
	Min	2.497	2.510	-0.006
	Std Dev	0.011	0.006	0.010

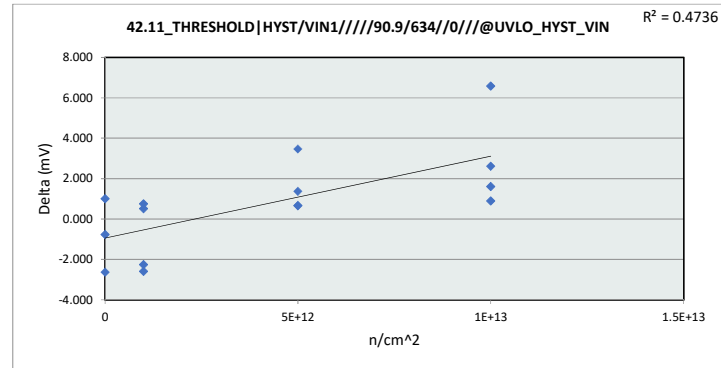


42.10_THRESHOLD FALL/VIN4				
Test Site				
Tester				
Test Number				
Max Limit	2.598		V	
Min Limit	2.472		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.472	2.472	2.472	2.472
Min	2.523	2.516	2.510	2.518
Average	2.528	2.520	2.519	2.523
Max	2.533	2.524	2.525	2.529
UL	2.598	2.598	2.598	2.598

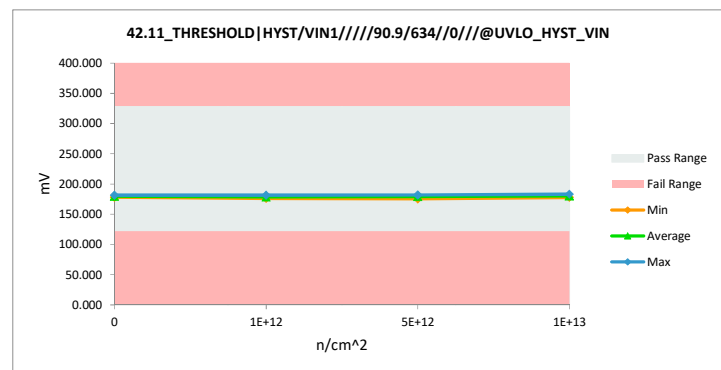


NDD Report TPS7H4102-SP

42.11_THRESHOLD HYST/VIN1////90.9				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	330		328	
Min Limit	120		122	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	178.927	179.923	0.996
0	2	180.953	178.318	-2.635
0	3	182.288	181.517	-0.771
1E+12	30	178.469	176.208	-2.261
1E+12	31	181.435	178.837	-2.598
1E+12	32	181.105	181.613	0.508
1E+12	33	177.624	178.368	0.744
5E+12	34	178.533	179.906	1.373
5E+12	35	174.689	175.364	0.675
5E+12	36	178.448	181.910	3.462
5E+12	37	178.857	179.502	0.645
1E+13	38	179.832	180.725	0.893
1E+13	39	176.466	179.077	2.611
1E+13	40	176.574	183.148	6.574
1E+13	41	176.398	178.004	1.606
	Max	182.288	183.148	6.574
	Average	178.707	179.495	0.788
	Min	174.689	175.364	-2.635
	Std Dev	2.151	2.121	2.391



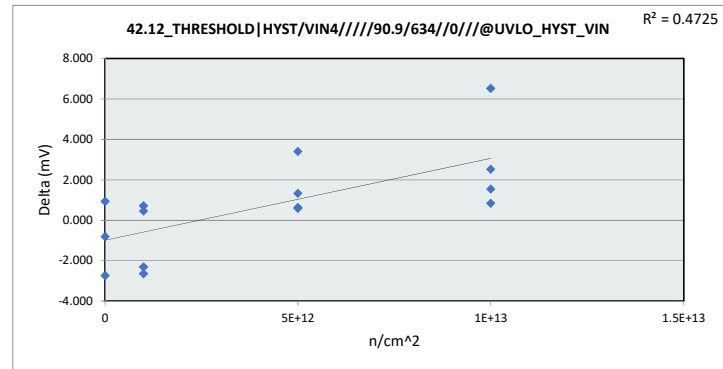
42.11_THRESHOLD HYST/VIN				
Test Site				
Tester				
Test Number				
Max Limit	328		mV	
Min Limit	122		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	122.000	122.000	122.000	122.000
Min	178.318	176.208	175.364	178.004
Average	179.919	178.756	179.171	180.239
Max	181.517	181.613	181.910	183.148
UL	328.000	328.000	328.000	328.000



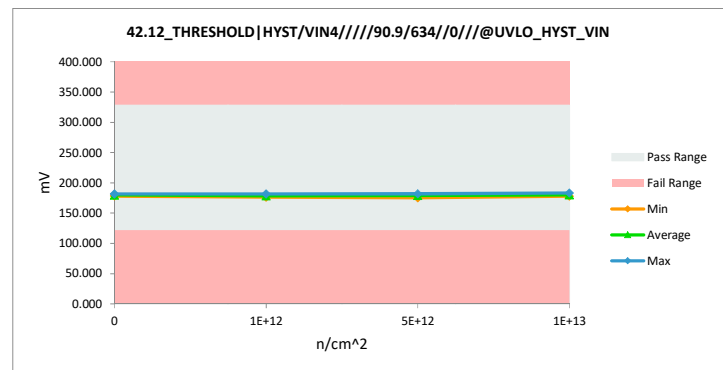
NDD Report

TPS7H4102-SP

42.12_THRESHOLD HYST/VIN4////90.9				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	330		328	
Min Limit	120		122	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	178.965	179.902	0.937
0	2	181.002	178.265	-2.737
0	3	182.312	181.503	-0.809
1E+12	30	178.499	176.188	-2.311
1E+12	31	181.467	178.822	-2.645
1E+12	32	181.144	181.599	0.454
1E+12	33	177.651	178.361	0.709
5E+12	34	178.558	179.891	1.333
5E+12	35	174.717	175.352	0.636
5E+12	36	178.474	181.889	3.415
5E+12	37	178.894	179.489	0.595
1E+13	38	179.842	180.694	0.852
1E+13	39	176.490	179.020	2.530
1E+13	40	176.597	183.136	6.539
1E+13	41	176.420	177.970	1.550
	Max	182.312	183.136	6.539
	Average	178.735	179.472	0.737
	Min	174.717	175.352	-2.737
	Std Dev	2.154	2.123	2.397

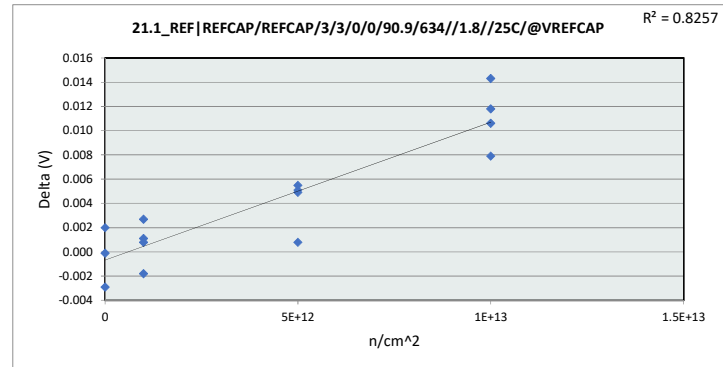


42.12_THRESHOLD HYST/VIN4				
Test Site				
Tester				
Test Number				
Max Limit	328		mV	
Min Limit	122		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	122.000	122.000	122.000	122.000
Min	178.265	176.188	175.352	177.970
Average	179.890	178.742	179.155	180.205
Max	181.503	181.599	181.889	183.136
UL	328.000	328.000	328.000	328.000

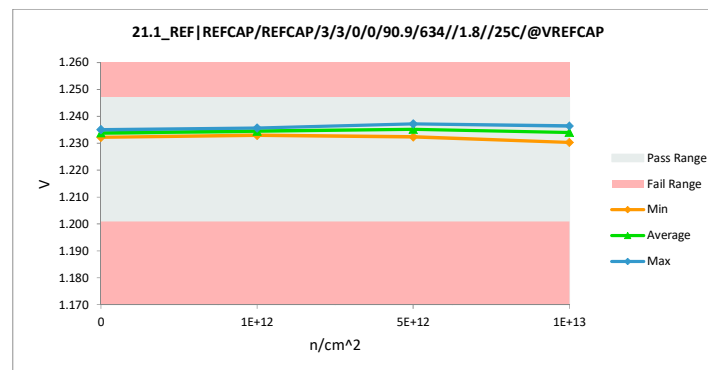


NDD Report TPS7H4102-SP

21.1_REF REFCAP/REFCAP/3/3/0/0/90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1.248		1.247	
Min Limit	1.2		1.201	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.232	1.234	0.002
0	2	1.235	1.232	-0.003
0	3	1.235	1.235	0.000
1E+12	30	1.232	1.235	0.003
1E+12	31	1.235	1.233	-0.002
1E+12	32	1.235	1.236	0.001
1E+12	33	1.234	1.235	0.001
5E+12	34	1.232	1.237	0.005
5E+12	35	1.229	1.234	0.005
5E+12	36	1.232	1.237	0.005
5E+12	37	1.232	1.232	0.001
1E+13	38	1.224	1.236	0.012
1E+13	39	1.222	1.230	0.008
1E+13	40	1.222	1.236	0.014
1E+13	41	1.222	1.233	0.011
	Max	1.235	1.237	0.014
	Average	1.230	1.234	0.004
	Min	1.222	1.230	-0.003
	Std Dev	0.005	0.002	0.005

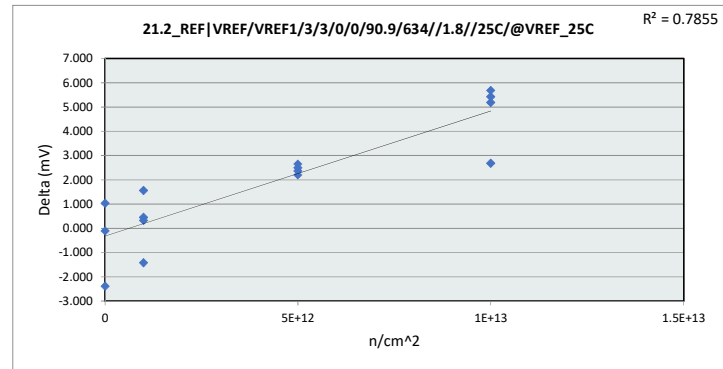


21.1_REF REFCAP/REFCAP/3/				
Test Site				
Tester				
Test Number				
Max Limit	1.247		V	
Min Limit	1.201		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	1.201	1.201	1.201	1.201
Min	1.232	1.233	1.232	1.230
Average	1.234	1.235	1.235	1.234
Max	1.235	1.236	1.237	1.236
UL	1.247	1.247	1.247	1.247

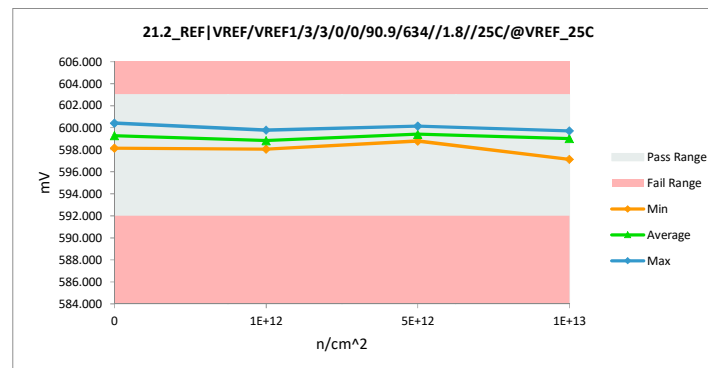


NDD Report TPS7H4102-SP

21.2_REF VREF/VREF1/3/3/0/0/90.9/634//1.8//25C/@VREF_25C				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.223	599.260	1.037
0	2	600.536	598.148	-2.388
0	3	600.529	600.425	-0.103
1E+12	30	597.654	599.220	1.566
1E+12	31	599.462	598.050	-1.412
1E+12	32	599.460	599.792	0.332
1E+12	33	597.836	598.293	0.456
5E+12	34	597.042	599.535	2.493
5E+12	35	597.772	600.141	2.369
5E+12	36	596.545	599.194	2.649
5E+12	37	596.599	598.801	2.203
1E+13	38	593.941	599.632	5.691
1E+13	39	594.439	597.122	2.682
1E+13	40	594.290	599.720	5.430
1E+13	41	594.410	599.602	5.192
	Max	600.536	600.425	5.691
	Average	597.249	599.129	1.880
	Min	593.941	597.122	-2.388
	Std Dev	2.231	0.891	2.364

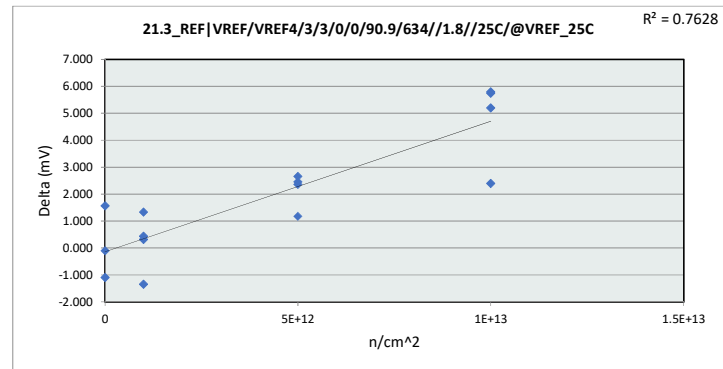


21.2_REF VREF/VREF1/3/3/0/0/90.9/634//1.8//25C/@VREF_25C				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.148	598.050	598.801	597.122
Average	599.278	598.839	599.418	599.019
Max	600.425	599.792	600.141	599.720
UL	603.000	603.000	603.000	603.000

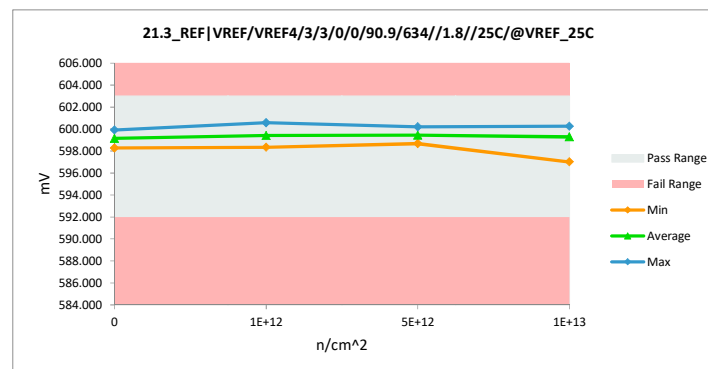


NDD Report TPS7H4102-SP

21.3_REF VREF/VREF4/3/3/0/0/90.9/634//1.8//25C/@VREF_25C				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.359	599.920	1.561
0	2	599.374	598.280	-1.094
0	3	599.365	599.265	-0.100
1E+12	30	598.477	599.808	1.330
1E+12	31	600.242	598.895	-1.347
1E+12	32	600.254	600.575	0.320
1E+12	33	597.917	598.350	0.433
5E+12	34	597.746	600.199	2.453
5E+12	35	596.419	598.786	2.367
5E+12	36	597.451	600.110	2.659
5E+12	37	597.498	598.678	1.180
1E+13	38	594.359	600.103	5.743
1E+13	39	594.613	597.004	2.391
1E+13	40	594.470	600.265	5.795
1E+13	41	594.589	599.788	5.200
	Max	600.254	600.575	5.795
	Average	597.409	599.335	1.926
	Min	594.359	597.004	-1.347
	Std Dev	2.086	0.984	2.256

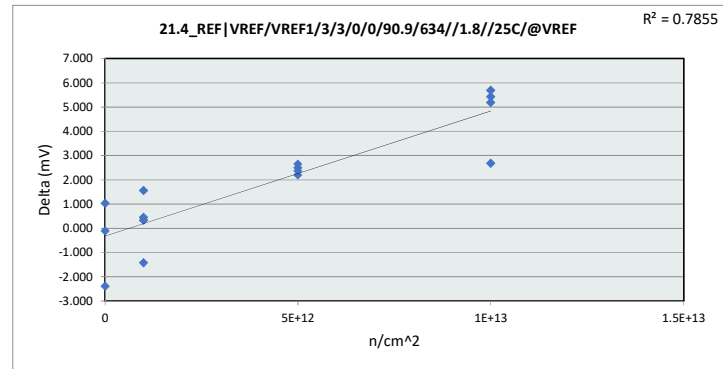


21.3_REF VREF/VREF4/3/3/0				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.280	598.350	598.678	597.004
Average	599.155	599.407	599.443	599.290
Max	599.920	600.575	600.199	600.265
UL	603.000	603.000	603.000	603.000

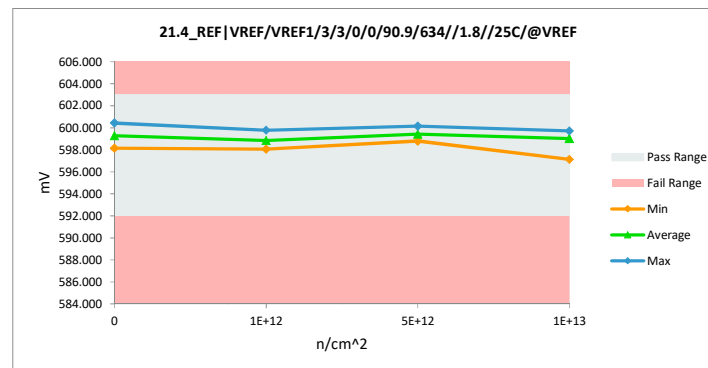


NDD Report TPS7H4102-SP

21.4_REF VREF/VREF1/3/3/0/0/90.9/634//1.8//25C/@VREF				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.223	599.260	1.037
0	2	600.536	598.148	-2.388
0	3	600.529	600.425	-0.103
1E+12	30	597.654	599.220	1.566
1E+12	31	599.462	598.050	-1.412
1E+12	32	599.460	599.792	0.332
1E+12	33	597.836	598.293	0.456
5E+12	34	597.042	599.535	2.493
5E+12	35	597.772	600.141	2.369
5E+12	36	596.545	599.194	2.649
5E+12	37	596.599	598.801	2.203
1E+13	38	593.941	599.632	5.691
1E+13	39	594.439	597.122	2.682
1E+13	40	594.290	599.720	5.430
1E+13	41	594.410	599.602	5.192
	Max	600.536	600.425	5.691
	Average	597.249	599.129	1.880
	Min	593.941	597.122	-2.388
	Std Dev	2.231	0.891	2.364

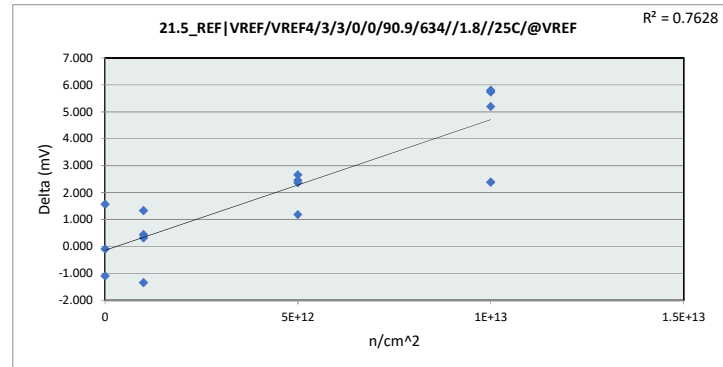


21.4_REF VREF/VREF1/3/3/0				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.148	598.050	598.801	597.122
Average	599.278	598.839	599.418	599.019
Max	600.425	599.792	600.141	599.720
UL	603.000	603.000	603.000	603.000

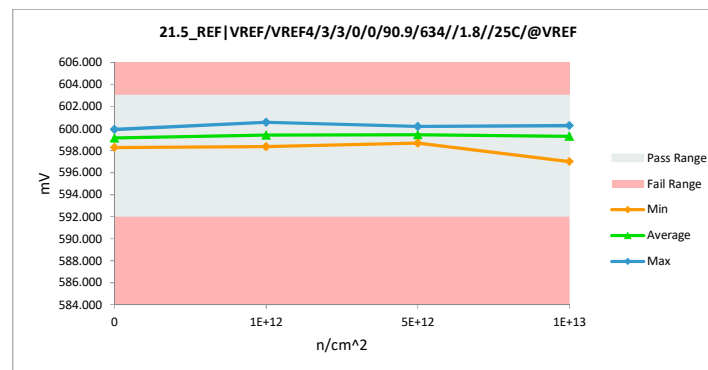


NDD Report TPS7H4102-SP

21.5_REF VREF/VREF4/3/3/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.359	599.920	1.561
0	2	599.374	598.280	-1.094
0	3	599.365	599.265	-0.100
1E+12	30	598.477	599.808	1.330
1E+12	31	600.242	598.895	-1.347
1E+12	32	600.254	600.575	0.320
1E+12	33	597.917	598.350	0.433
5E+12	34	597.746	600.199	2.453
5E+12	35	596.419	598.786	2.367
5E+12	36	597.451	600.110	2.659
5E+12	37	597.498	598.678	1.180
1E+13	38	594.359	600.103	5.743
1E+13	39	594.613	597.004	2.391
1E+13	40	594.470	600.265	5.795
1E+13	41	594.589	599.788	5.200
	Max	600.254	600.575	5.795
	Average	597.409	599.335	1.926
	Min	594.359	597.004	-1.347
	Std Dev	2.086	0.984	2.256

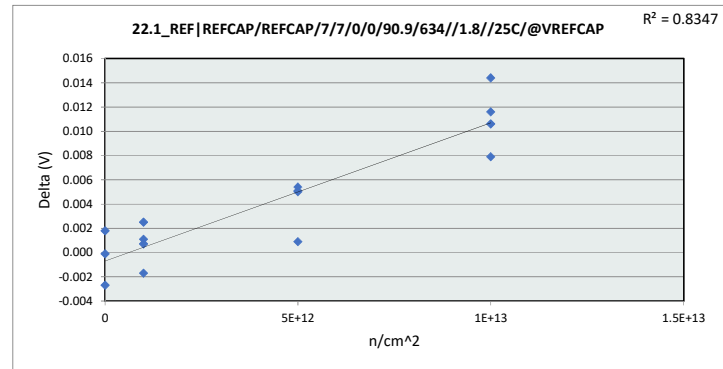


21.5_REF VREF/VREF4/3/3/0				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.280	598.350	598.678	597.004
Average	599.155	599.407	599.443	599.290
Max	599.920	600.575	600.199	600.265
UL	603.000	603.000	603.000	603.000

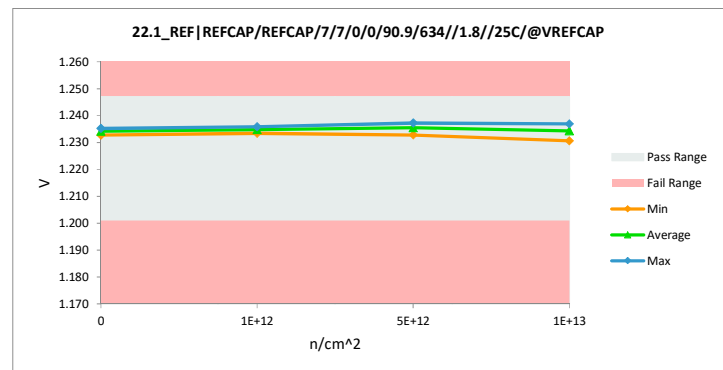


NDD Report TPS7H4102-SP

22.1_REF REFCAP/REFCAP/7/7/0/0/90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1.248		1.247	
Min Limit	1.2		1.201	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.233	1.235	0.002
0	2	1.235	1.233	-0.003
0	3	1.235	1.235	0.000
1E+12	30	1.232	1.235	0.003
1E+12	31	1.235	1.233	-0.002
1E+12	32	1.235	1.236	0.001
1E+12	33	1.234	1.235	0.001
5E+12	34	1.232	1.237	0.005
5E+12	35	1.230	1.235	0.005
5E+12	36	1.232	1.237	0.005
5E+12	37	1.232	1.233	0.001
1E+13	38	1.225	1.236	0.012
1E+13	39	1.223	1.231	0.008
1E+13	40	1.222	1.237	0.014
1E+13	41	1.223	1.233	0.011
	Max	1.235	1.237	0.014
	Average	1.231	1.235	0.004
	Min	1.222	1.231	-0.003
	Std Dev	0.005	0.002	0.005

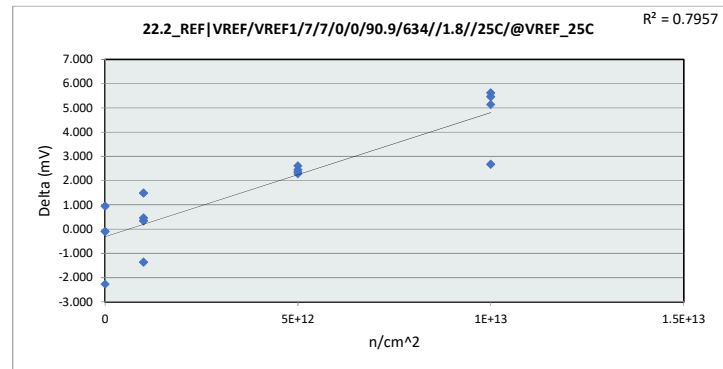


22.1_REF REFCAP/REFCAP/7/7/0/0/90.9/634//1.8//25C/@VREFCAP				
Test Site				
Tester				
Test Number				
Max Limit	1.247		V	
Min Limit	1.201		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.201	1.201	1.201	1.201
Min	1.233	1.233	1.233	1.231
Average	1.234	1.235	1.235	1.234
Max	1.235	1.236	1.237	1.237
UL	1.247	1.247	1.247	1.247

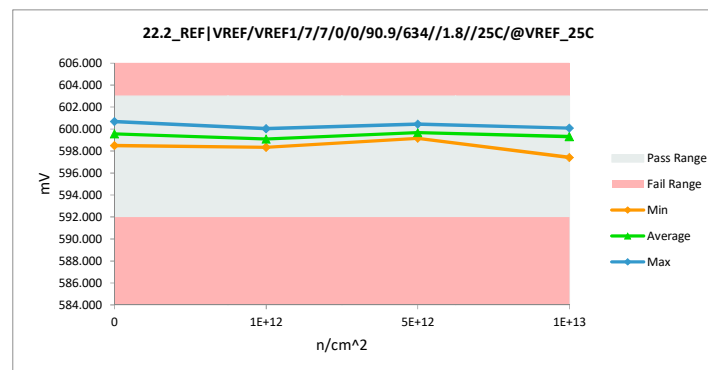


NDD Report TPS7H4102-SP

22.2_REF VREF/VREF1/7/7/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.585	599.528	0.943
0	2	600.778	598.505	-2.273
0	3	600.782	600.680	-0.102
1E+12	30	597.953	599.443	1.490
1E+12	31	599.705	598.341	-1.364
1E+12	32	599.696	600.038	0.341
1E+12	33	598.099	598.552	0.453
5E+12	34	597.207	599.662	2.455
5E+12	35	598.094	600.449	2.355
5E+12	36	596.835	599.445	2.609
5E+12	37	596.887	599.162	2.274
1E+13	38	594.245	599.860	5.615
1E+13	39	594.749	597.419	2.670
1E+13	40	594.625	600.085	5.460
1E+13	41	594.748	599.883	5.134
	Max	600.782	600.680	5.615
	Average	597.533	599.403	1.871
	Min	594.245	597.419	-2.273
	Std Dev	2.207	0.877	2.335

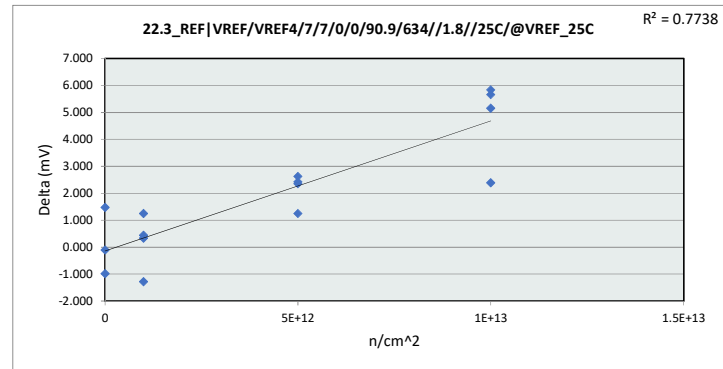


22.2_REF VREF/VREF1/7/7/0/0/90.9/634//1.8//25C/@VREF_25C				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.506	598.341	599.162	597.419
Average	599.571	599.094	599.679	599.312
Max	600.680	600.038	600.449	600.085
UL	603.000	603.000	603.000	603.000

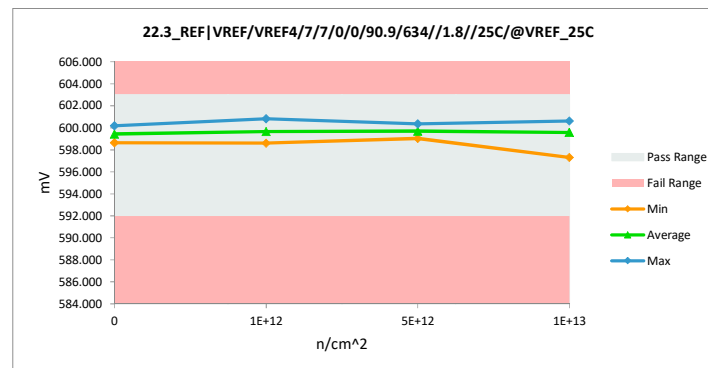


NDD Report TPS7H4102-SP

22.3_REF VREF/VREF4/7/7/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.718	600.184	1.467
0	2	599.617	598.633	-0.983
0	3	599.617	599.510	-0.107
1E+12	30	598.782	600.032	1.250
1E+12	31	600.470	599.188	-1.282
1E+12	32	600.483	600.813	0.330
1E+12	33	598.172	598.612	0.440
5E+12	34	597.903	600.331	2.428
5E+12	35	596.738	599.093	2.355
5E+12	36	597.736	600.359	2.623
5E+12	37	597.784	599.033	1.249
1E+13	38	594.669	600.331	5.663
1E+13	39	594.916	597.304	2.388
1E+13	40	594.793	600.629	5.836
1E+13	41	594.912	600.073	5.160
	Max	600.483	600.813	5.836
	Average	597.687	599.608	1.921
	Min	594.669	597.304	-1.282
	Std Dev	2.059	0.959	2.230

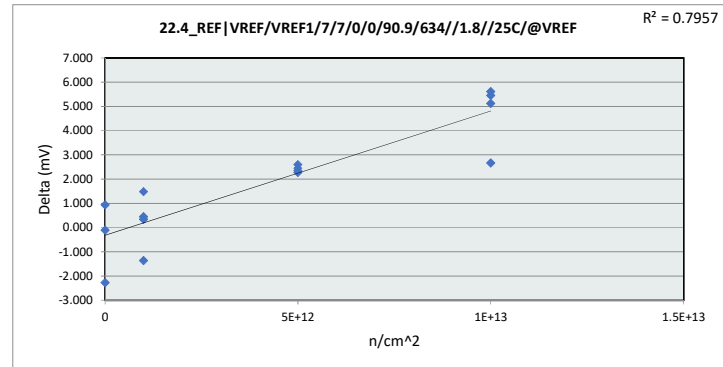


22.3_REF VREF/VREF4/7/7/0				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.634	598.612	599.033	597.304
Average	599.443	599.661	599.704	599.584
Max	600.184	600.813	600.359	600.629
UL	603.000	603.000	603.000	603.000

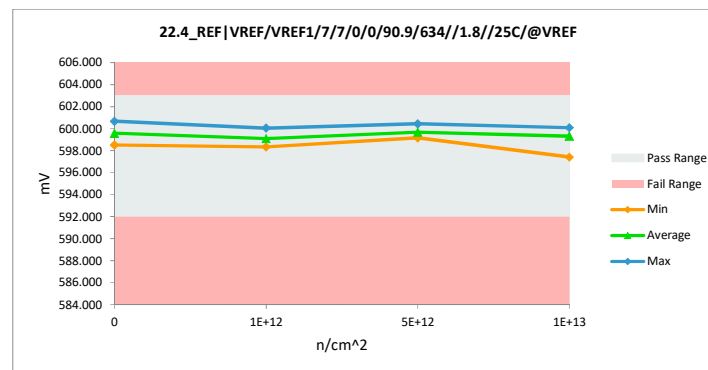


NDD Report TPS7H4102-SP

22.4_REF VREF/VREF1/7/7/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.585	599.528	0.943
0	2	600.778	598.505	-2.273
0	3	600.782	600.680	-0.102
1E+12	30	597.953	599.443	1.490
1E+12	31	599.705	598.341	-1.364
1E+12	32	599.696	600.038	0.341
1E+12	33	598.099	598.552	0.453
5E+12	34	597.207	599.662	2.455
5E+12	35	598.094	600.449	2.355
5E+12	36	596.835	599.445	2.609
5E+12	37	596.887	599.162	2.274
1E+13	38	594.245	599.860	5.615
1E+13	39	594.749	597.419	2.670
1E+13	40	594.625	600.085	5.460
1E+13	41	594.748	599.883	5.134
	Max	600.782	600.680	5.615
	Average	597.533	599.403	1.871
	Min	594.245	597.419	-2.273
	Std Dev	2.207	0.877	2.335

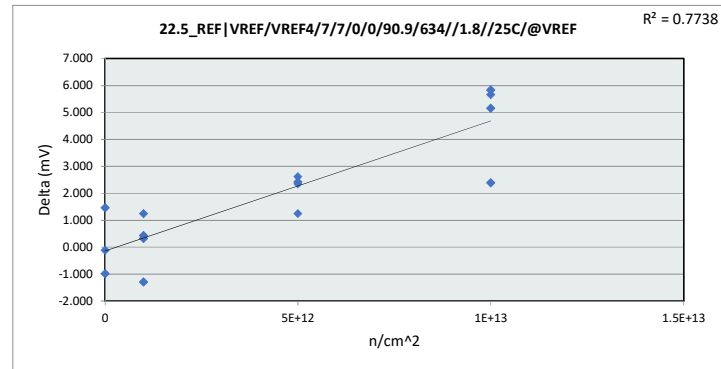


22.4_REF VREF/VREF1/7/7/0				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.506	598.341	599.162	597.419
Average	599.571	599.094	599.679	599.312
Max	600.680	600.038	600.449	600.085
UL	603.000	603.000	603.000	603.000

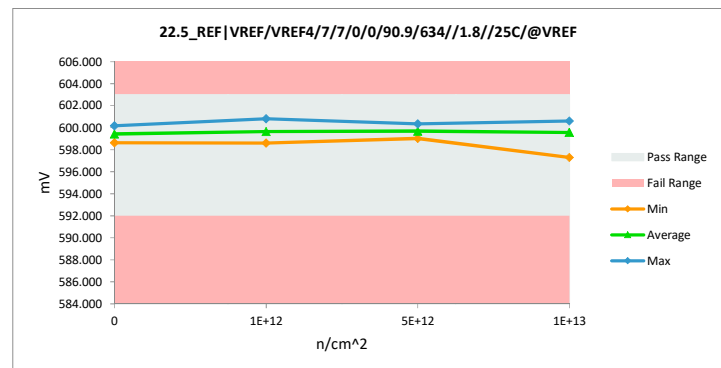


NDD Report TPS7H4102-SP

22.5_REF VREF/VREF4/7/7/0/0/90.9/63				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	603.5		603	
Min Limit	591.5		592	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	598.718	600.184	1.467
0	2	599.617	598.633	-0.983
0	3	599.617	599.510	-0.107
1E+12	30	598.782	600.032	1.250
1E+12	31	600.470	599.188	-1.282
1E+12	32	600.483	600.813	0.330
1E+12	33	598.172	598.612	0.440
5E+12	34	597.903	600.331	2.428
5E+12	35	596.738	599.093	2.355
5E+12	36	597.736	600.359	2.623
5E+12	37	597.784	599.033	1.249
1E+13	38	594.669	600.331	5.663
1E+13	39	594.916	597.304	2.388
1E+13	40	594.793	600.629	5.836
1E+13	41	594.912	600.073	5.160
	Max	600.483	600.813	5.836
	Average	597.687	599.608	1.921
	Min	594.669	597.304	-1.282
	Std Dev	2.059	0.959	2.230

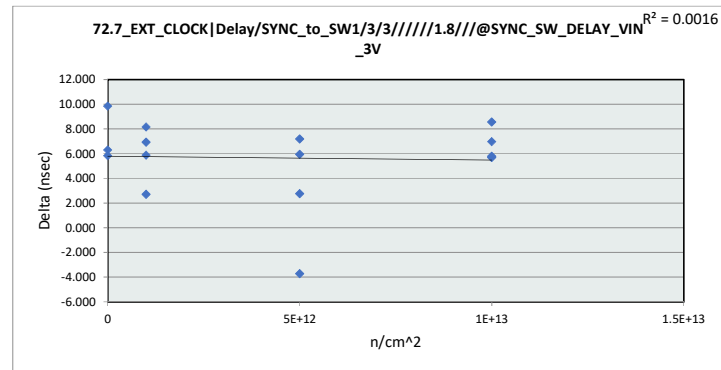


22.5_REF VREF/VREF4/7/7/0				
Test Site				
Tester				
Test Number				
Max Limit	603		mV	
Min Limit	592		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	598.634	598.612	599.033	597.304
Average	599.443	599.661	599.704	599.584
Max	600.184	600.813	600.359	600.629
UL	603.000	603.000	603.000	603.000

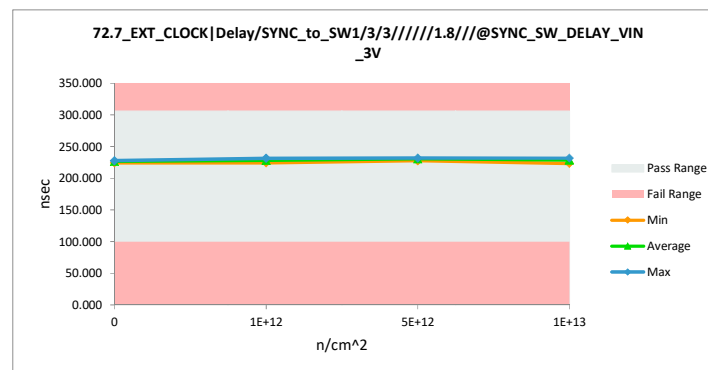


NDD Report TPS7H4102-SP

72.7_EXT_CLOCK Delay/SYNC_to_SW1/3				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	306		
Min Limit	58.8	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	221.092	227.391	6.299
0	2	218.024	227.875	9.851
0	3	218.615	224.449	5.834
1E+12	30	224.681	227.409	2.728
1E+12	31	223.256	231.415	8.160
1E+12	32	222.377	229.305	6.929
1E+12	33	218.340	224.219	5.879
5E+12	34	224.598	231.787	7.188
5E+12	35	224.886	230.834	5.949
5E+12	36	235.707	231.999	-3.707
5E+12	37	224.990	227.753	2.763
1E+13	38	217.632	223.424	5.792
1E+13	39	223.225	230.198	6.974
1E+13	40	223.291	231.860	8.569
1E+13	41	223.607	229.297	5.690
	Max	235.707	231.999	9.851
	Average	222.955	228.614	5.660
	Min	217.632	223.424	-3.707
	Std Dev	4.419	2.880	3.199

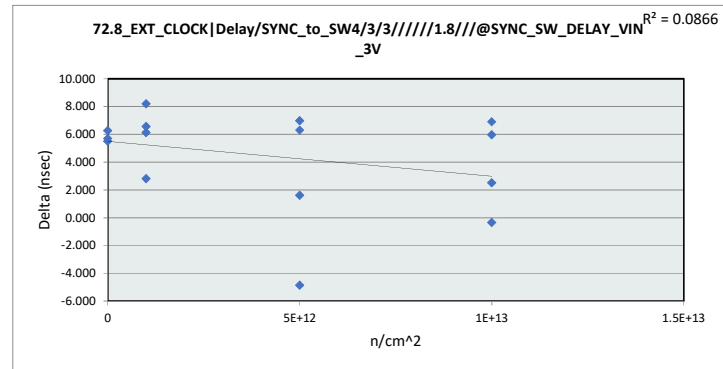


72.7_EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Max Limit	306	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	224.449	224.219	227.753	223.424
Average	226.572	228.087	230.593	228.695
Max	227.875	231.415	232.000	231.860
UL	306.000	306.000	306.000	306.000

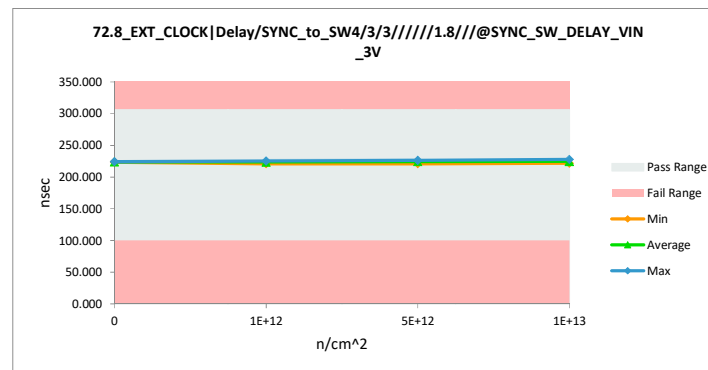


NDD Report TPS7H4102-SP

72.8_EXT_CLOCK Delay/SYNC_to_SW4/3				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	306		
Min Limit	58.8	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	218.357	224.060	5.703
0	2	217.900	224.173	6.273
0	3	218.161	223.665	5.504
1E+12	30	218.186	220.994	2.808
1E+12	31	217.094	225.300	8.206
1E+12	32	216.878	223.440	6.562
1E+12	33	219.011	225.153	6.142
5E+12	34	218.076	224.389	6.313
5E+12	35	219.377	226.371	6.994
5E+12	36	229.623	224.773	-4.850
5E+12	37	219.490	221.111	1.622
1E+13	38	217.158	224.064	6.906
1E+13	39	222.666	225.193	2.527
1E+13	40	222.010	221.680	-0.329
1E+13	41	221.868	227.845	5.976
	Max	229.623	227.845	8.206
	Average	219.724	224.147	4.424
	Min	216.878	220.994	-4.850
	Std Dev	3.289	1.861	3.479

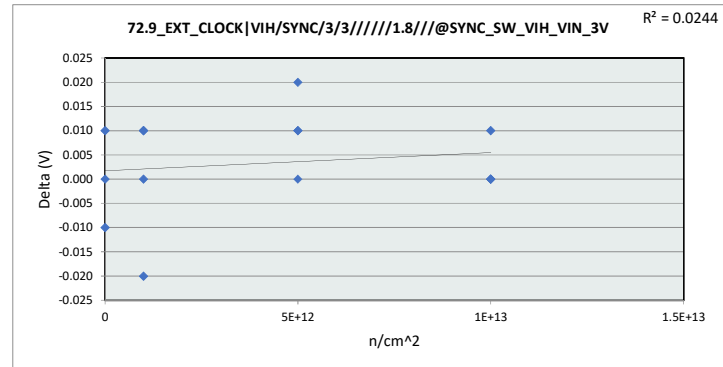


72.8_EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Max Limit	306	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	223.665	220.994	221.111	221.681
Average	223.966	223.722	224.161	224.696
Max	224.173	225.300	226.371	227.845
UL	306.000	306.000	306.000	306.000

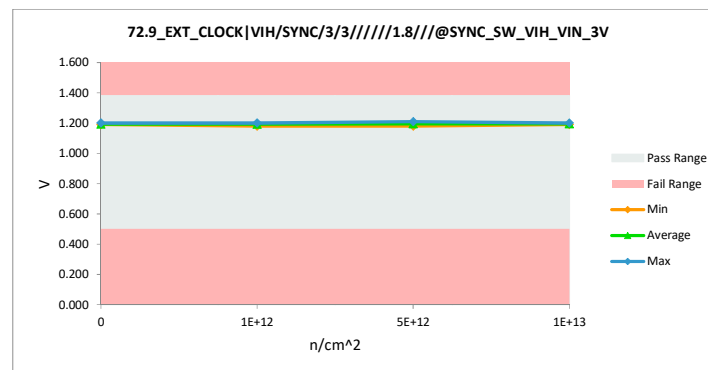


NDD Report TPS7H4102-SP

72.9_EXT_CLOCK VIH/SYNC/3/3/////1.8				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1.4		1.38	
Min Limit	0.324		0.5	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.200	1.190	-0.010
0	2	1.190	1.200	0.010
0	3	1.190	1.190	0.000
1E+12	30	1.200	1.180	-0.020
1E+12	31	1.190	1.200	0.010
1E+12	32	1.190	1.190	0.000
1E+12	33	1.190	1.200	0.010
5E+12	34	1.200	1.210	0.010
5E+12	35	1.180	1.200	0.020
5E+12	36	1.180	1.180	0.000
5E+12	37	1.180	1.190	0.010
1E+13	38	1.190	1.200	0.010
1E+13	39	1.190	1.190	0.000
1E+13	40	1.190	1.190	0.000
1E+13	41	1.200	1.200	0.000
	Max	1.200	1.210	0.020
	Average	1.191	1.194	0.003
	Min	1.180	1.180	-0.020
	Std Dev	0.007	0.008	0.010

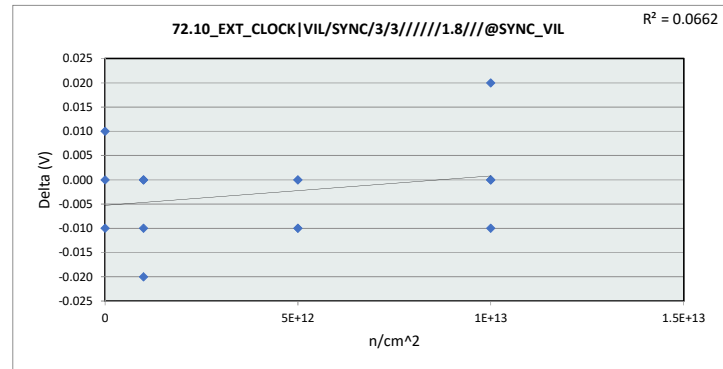


72.9_EXT_CLOCK VIH/SYNC/3/3/////1.8				
Test Site				
Tester				
Test Number				
Max Limit	1.38		V	
Min Limit	0.5		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	0.500	0.500	0.500	0.500
Min	1.190	1.180	1.180	1.190
Average	1.193	1.193	1.195	1.195
Max	1.200	1.200	1.210	1.200
UL	1.380	1.380	1.380	1.380

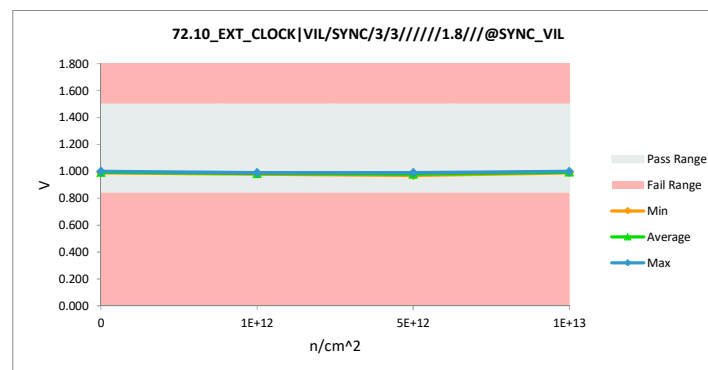


NDD Report TPS7H4102-SP

72.10_EXT_CLOCK VIL/SYNC/3/3/////////1.8///@SYNC_VIL				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1.632		1.5	
Min Limit	0.8		0.84	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.000	0.990	-0.010
0	2	0.990	1.000	0.010
0	3	0.990	0.990	0.000
1E+12	30	1.000	0.980	-0.020
1E+12	31	0.990	0.980	-0.010
1E+12	32	0.990	0.990	0.000
1E+12	33	0.990	0.990	0.000
5E+12	34	0.990	0.990	0.000
5E+12	35	0.990	0.990	0.000
5E+12	36	0.980	0.970	-0.010
5E+12	37	0.980	0.970	-0.010
1E+13	38	0.980	1.000	0.020
1E+13	39	1.000	0.990	-0.010
1E+13	40	0.990	0.990	0.000
1E+13	41	1.000	1.000	0.000
Max		1.000	1.000	0.020
Average		0.991	0.988	-0.003
Min		0.980	0.970	-0.020
Std Dev		0.007	0.009	0.010

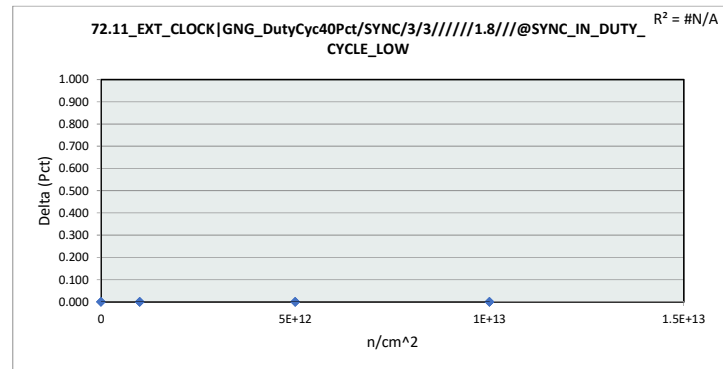


72.10_EXT_CLOCK VIL/SYNC/3/3/////////1.8///@SYNC_VIL				
Test Site				
Tester				
Test Number				
Max Limit	1.5		V	
Min Limit	0.84		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.840	0.840	0.840	0.840
Min	0.990	0.980	0.970	0.990
Average	0.993	0.985	0.980	0.995
Max	1.000	0.990	0.990	1.000
UL	1.500	1.500	1.500	1.500

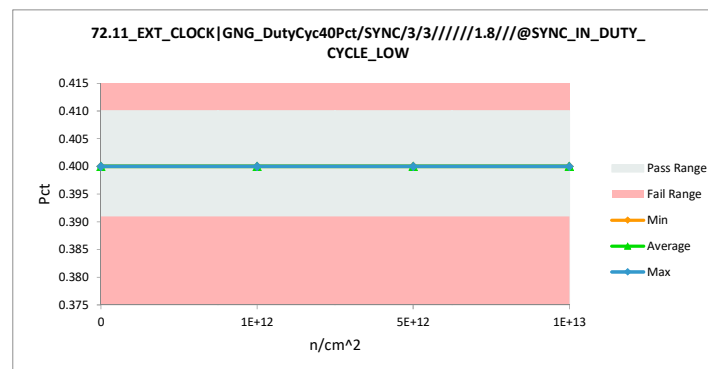


NDD Report TPS7H4102-SP

72.11_EXT_CLOCK GNG_DutyCyc40Pct/S				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.4138	0.41		
Min Limit	0.39	0.391		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.400	0.400	0.000
0	2	0.400	0.400	0.000
0	3	0.400	0.400	0.000
1E+12	30	0.400	0.400	0.000
1E+12	31	0.400	0.400	0.000
1E+12	32	0.400	0.400	0.000
1E+12	33	0.400	0.400	0.000
5E+12	34	0.400	0.400	0.000
5E+12	35	0.400	0.400	0.000
5E+12	36	0.400	0.400	0.000
5E+12	37	0.400	0.400	0.000
1E+13	38	0.400	0.400	0.000
1E+13	39	0.400	0.400	0.000
1E+13	40	0.400	0.400	0.000
1E+13	41	0.400	0.400	0.000
	Max	0.400	0.400	0.000
	Average	0.400	0.400	0.000
	Min	0.400	0.400	0.000
	Std Dev	0.000	0.000	0.000

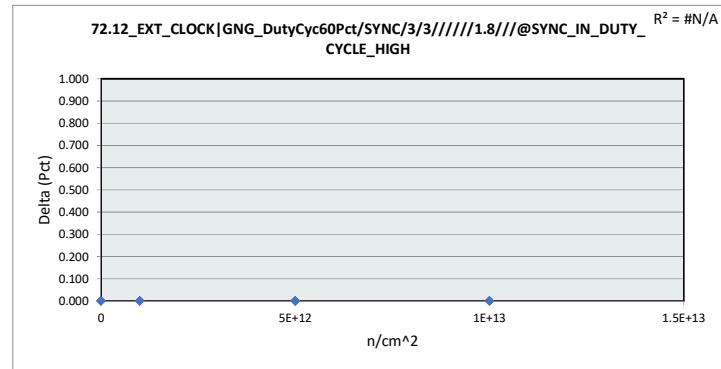


72.11_EXT_CLOCK GNG_DutyCyc40Pct/S				
Test Site				
Tester				
Test Number				
Max Limit	0.41	Pct		
Min Limit	0.391	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.391	0.391	0.391	0.391
Min	0.400	0.400	0.400	0.400
Average	0.400	0.400	0.400	0.400
Max	0.400	0.400	0.400	0.400
UL	0.410	0.410	0.410	0.410

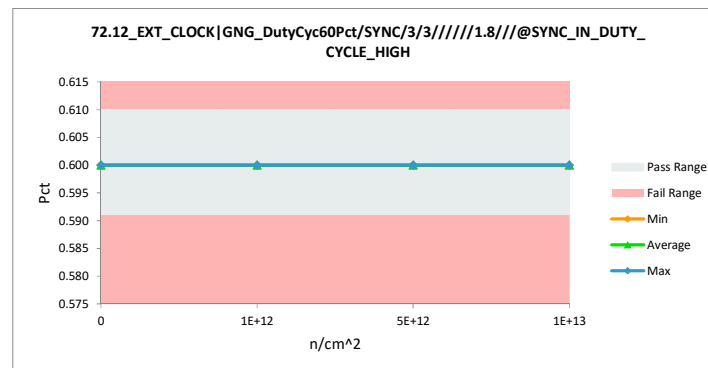


NDD Report TPS7H4102-SP

72.12_EXT_CLOCK GNG_DutyCyc60Pct/S				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.6138	0.61		
Min Limit	0.59	0.591		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.600	0.600	0.000
0	2	0.600	0.600	0.000
0	3	0.600	0.600	0.000
1E+12	30	0.600	0.600	0.000
1E+12	31	0.600	0.600	0.000
1E+12	32	0.600	0.600	0.000
1E+12	33	0.600	0.600	0.000
5E+12	34	0.600	0.600	0.000
5E+12	35	0.600	0.600	0.000
5E+12	36	0.600	0.600	0.000
5E+12	37	0.600	0.600	0.000
1E+13	38	0.600	0.600	0.000
1E+13	39	0.600	0.600	0.000
1E+13	40	0.600	0.600	0.000
1E+13	41	0.600	0.600	0.000
	Max	0.600	0.600	0.000
	Average	0.600	0.600	0.000
	Min	0.600	0.600	0.000
	Std Dev	0.000	0.000	0.000

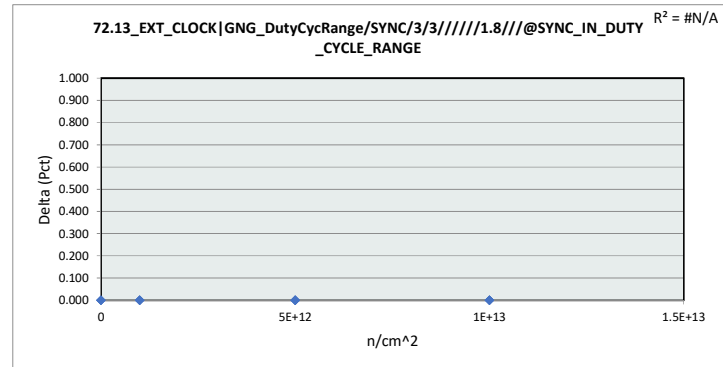


72.12_EXT_CLOCK GNG_DutyCyc60Pct/S				
Test Site				
Tester				
Test Number				
Max Limit	0.61	Pct		
Min Limit	0.591	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.591	0.591	0.591	0.591
Min	0.600	0.600	0.600	0.600
Average	0.600	0.600	0.600	0.600
Max	0.600	0.600	0.600	0.600
UL	0.610	0.610	0.610	0.610

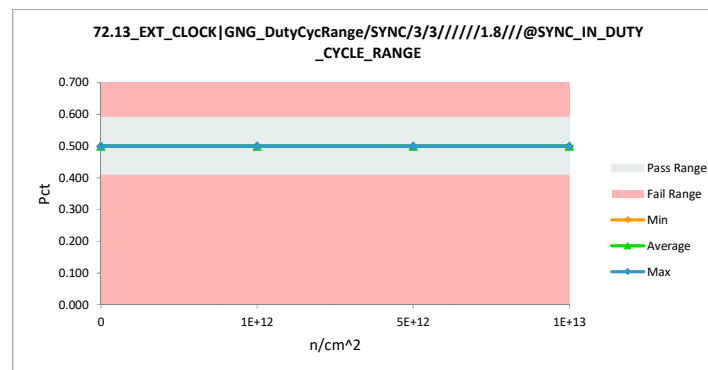


NDD Report TPS7H4102-SP

72.13_EXT_CLOCK GNG_DutyCycRange/S				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.6	0.59		
Min Limit	0.4	0.41		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.500	0.500	0.000
0	2	0.500	0.500	0.000
0	3	0.500	0.500	0.000
1E+12	30	0.500	0.500	0.000
1E+12	31	0.500	0.500	0.000
1E+12	32	0.500	0.500	0.000
1E+12	33	0.500	0.500	0.000
5E+12	34	0.500	0.500	0.000
5E+12	35	0.500	0.500	0.000
5E+12	36	0.500	0.500	0.000
5E+12	37	0.500	0.500	0.000
1E+13	38	0.500	0.500	0.000
1E+13	39	0.500	0.500	0.000
1E+13	40	0.500	0.500	0.000
1E+13	41	0.500	0.500	0.000
	Max	0.500	0.500	0.000
	Average	0.500	0.500	0.000
	Min	0.500	0.500	0.000
	Std Dev	0.000	0.000	0.000

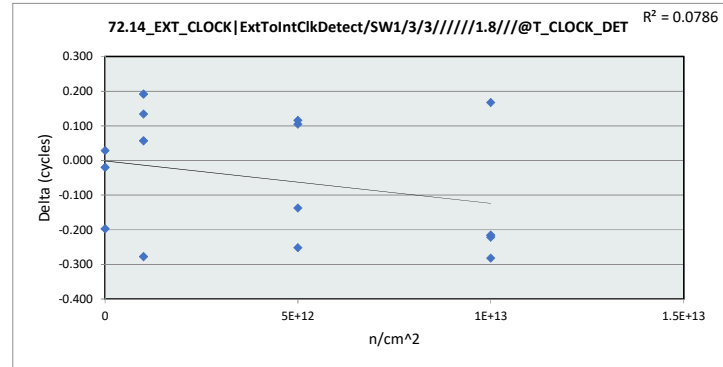


72.13_EXT_CLOCK GNG_DutyCycRange/S				
Test Site				
Tester				
Test Number				
Max Limit	0.59	Pct		
Min Limit	0.41	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.410	0.410	0.410	0.410
Min	0.500	0.500	0.500	0.500
Average	0.500	0.500	0.500	0.500
Max	0.500	0.500	0.500	0.500
UL	0.590	0.590	0.590	0.590

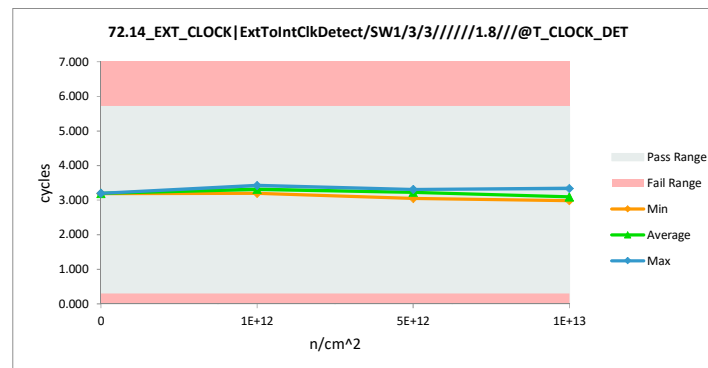


NDD Report TPS7H4102-SP

72.14_EXT_CLOCK ExtToIntClkDetect/SW1/3/3/////1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Unit	cycles		cycles	
Max Limit	6		5.7	
Min Limit	-0.78		0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	3.391	3.194	-0.197
0	2	3.208	3.188	-0.020
0	3	3.171	3.200	0.029
1E+12	30	3.320	3.376	0.057
1E+12	31	3.537	3.260	-0.278
1E+12	32	3.233	3.424	0.192
1E+12	33	3.062	3.196	0.134
5E+12	34	3.198	3.314	0.116
5E+12	35	3.300	3.048	-0.252
5E+12	36	3.397	3.259	-0.138
5E+12	37	3.174	3.279	0.105
1E+13	38	3.284	3.002	-0.282
1E+13	39	3.172	3.339	0.167
1E+13	40	3.266	3.050	-0.216
1E+13	41	3.209	2.987	-0.222
	Max	3.537	3.424	0.192
	Average	3.261	3.208	-0.054
	Min	3.062	2.987	-0.282
	Std Dev	0.117	0.135	0.178

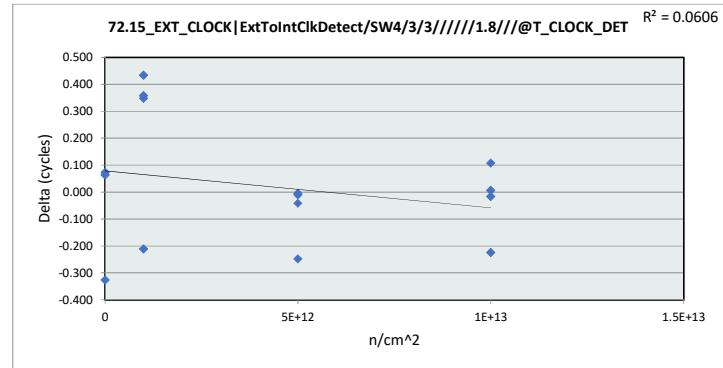


72.14_EXT_CLOCK ExtToIntClkDetect/SW1/3/3/////1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Max Limit	5.7		cycles	
Min Limit	0.3		cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.188	3.196	3.048	2.987
Average	3.194	3.314	3.225	3.095
Max	3.200	3.425	3.314	3.340
UL	5.700	5.700	5.700	5.700

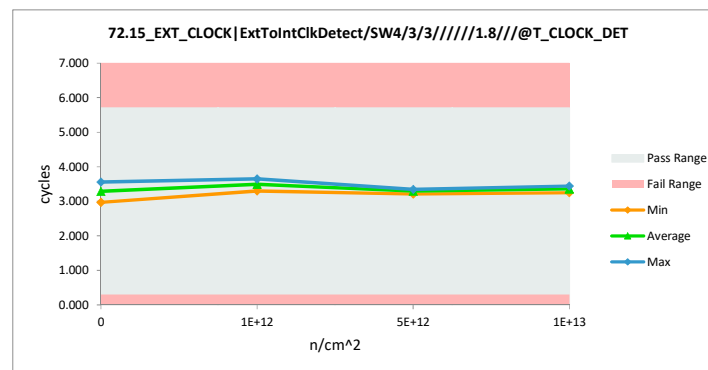


NDD Report TPS7H4102-SP

72.15_EXT_CLOCK ExtToIntClkDetect/SW4				
Test Site				
Tester				
Test Number				
Unit	cycles		cycles	
Max Limit	6		5.7	
Min Limit	-0.78		0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	3.295	2.969	-0.326
0	2	3.272	3.336	0.064
0	3	3.486	3.558	0.072
1E+12	30	3.509	3.298	-0.211
1E+12	31	3.301	3.649	0.348
1E+12	32	3.138	3.496	0.358
1E+12	33	3.090	3.523	0.434
5E+12	34	3.334	3.292	-0.042
5E+12	35	3.349	3.345	-0.004
5E+12	36	3.336	3.326	-0.010
5E+12	37	3.461	3.212	-0.248
1E+13	38	3.471	3.247	-0.224
1E+13	39	3.341	3.325	-0.016
1E+13	40	3.332	3.439	0.108
1E+13	41	3.408	3.413	0.006
	Max	3.509	3.649	0.434
	Average	3.342	3.362	0.020
	Min	3.090	2.969	-0.326
	Std Dev	0.119	0.164	0.226

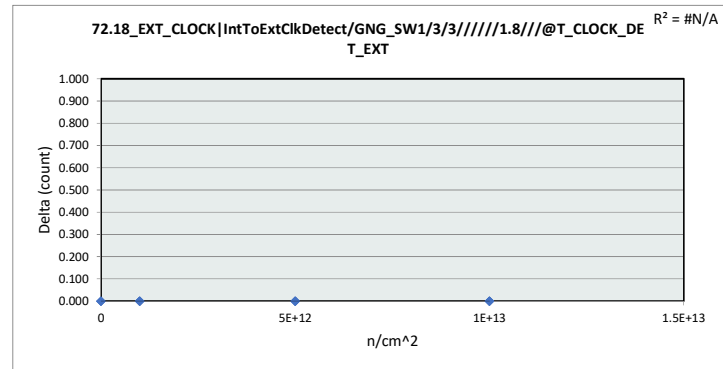


72.15_EXT_CLOCK ExtToIntClkDetect/SW4				
Test Site				
Tester				
Test Number				
Max Limit	5.7		cycles	
Min Limit	0.3		cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	2.969	3.298	3.212	3.247
Average	3.288	3.492	3.294	3.356
Max	3.558	3.649	3.345	3.439
UL	5.700	5.700	5.700	5.700

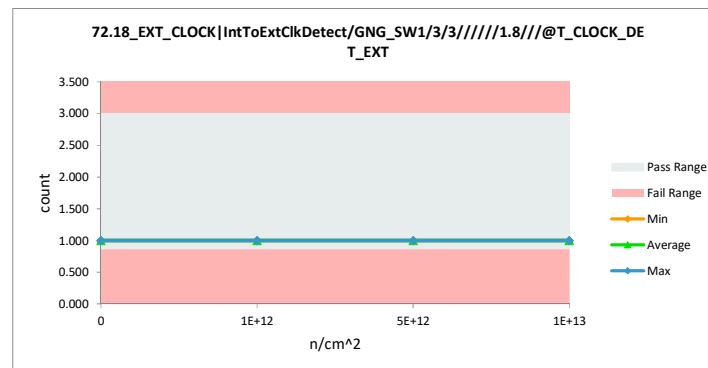


NDD Report TPS7H4102-SP

72.18_EXT_CLOCK IntToExtClkDetect/GN				
Test Site				
Tester				
Test Number				
Unit	count	count		
Max Limit	3	3		
Min Limit	0.432	0.86		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.000	1.000	0.000
0	2	1.000	1.000	0.000
0	3	1.000	1.000	0.000
1E+12	30	1.000	1.000	0.000
1E+12	31	1.000	1.000	0.000
1E+12	32	1.000	1.000	0.000
1E+12	33	1.000	1.000	0.000
5E+12	34	1.000	1.000	0.000
5E+12	35	1.000	1.000	0.000
5E+12	36	1.000	1.000	0.000
5E+12	37	1.000	1.000	0.000
1E+13	38	1.000	1.000	0.000
1E+13	39	1.000	1.000	0.000
1E+13	40	1.000	1.000	0.000
1E+13	41	1.000	1.000	0.000
Max		1.000	1.000	0.000
Average		1.000	1.000	0.000
Min		1.000	1.000	0.000
Std Dev		0.000	0.000	0.000

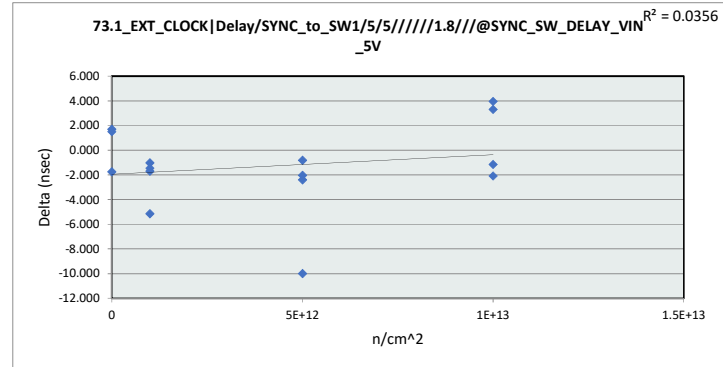


72.18_EXT_CLOCK IntToExtClk				
Test Site				
Tester				
Test Number				
Max Limit	3	count		
Min Limit	0.86	count		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.860	0.860	0.860	0.860
Min	1.000	1.000	1.000	1.000
Average	1.000	1.000	1.000	1.000
Max	1.000	1.000	1.000	1.000
UL	3.000	3.000	3.000	3.000

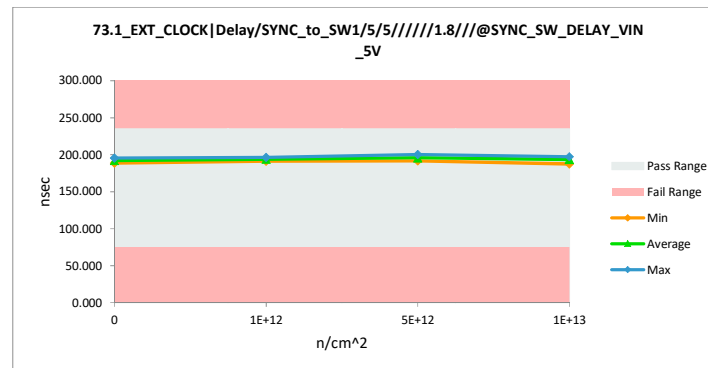


NDD Report TPS7H4102-SP

73.1_EXT_CLOCK Delay/SYNC_to_SW1/5				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	240	235		
Min Limit	44.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	193.738	195.436	1.698
0	2	190.362	191.871	1.509
0	3	190.214	188.470	-1.744
1E+12	30	198.010	192.855	-5.155
1E+12	31	197.251	196.234	-1.017
1E+12	32	196.717	195.258	-1.459
1E+12	33	192.866	191.174	-1.691
5E+12	34	198.084	196.057	-2.027
5E+12	35	197.878	195.469	-2.409
5E+12	36	201.105	200.287	-0.818
5E+12	37	201.674	191.676	-9.998
1E+13	38	189.583	187.503	-2.080
1E+13	39	193.367	197.318	3.952
1E+13	40	193.619	196.923	3.305
1E+13	41	193.863	192.722	-1.140
	Max	201.674	200.287	3.952
	Average	195.222	193.950	-1.272
	Min	189.583	187.503	-9.998
	Std Dev	3.796	3.461	3.373

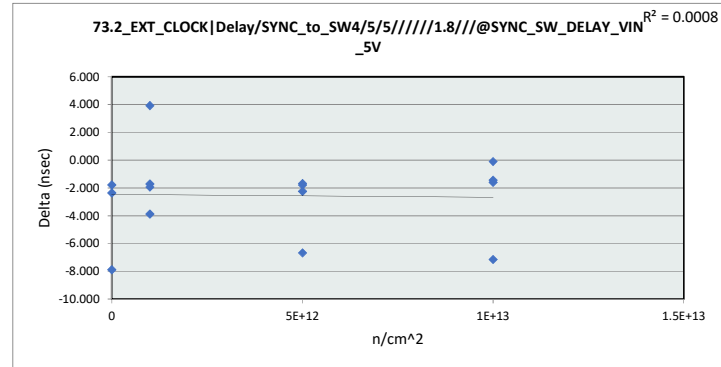


73.1_EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Max Limit	235	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	188.470	191.175	191.676	187.503
Average	191.926	193.880	195.872	193.617
Max	195.436	196.234	200.287	197.319
UL	235.000	235.000	235.000	235.000

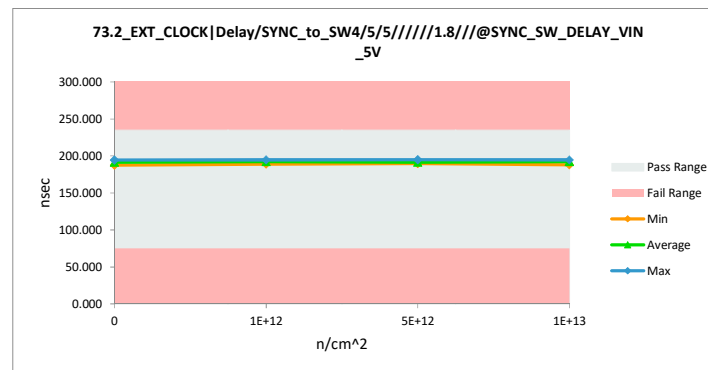


NDD Report TPS7H4102-SP

73.2_EXT_CLOCK Delay/SYNC_to_SW4/5				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	240	235		
Min Limit	44.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	196.293	194.517	-1.776
0	2	195.286	187.402	-7.884
0	3	195.209	192.842	-2.367
1E+12	30	196.164	192.292	-3.872
1E+12	31	190.846	194.773	3.927
1E+12	32	190.832	189.108	-1.723
1E+12	33	195.644	193.706	-1.939
5E+12	34	191.533	189.749	-1.784
5E+12	35	193.226	190.983	-2.242
5E+12	36	196.484	194.805	-1.679
5E+12	37	197.696	191.020	-6.676
1E+13	38	195.179	193.744	-1.435
1E+13	39	194.811	194.721	-0.090
1E+13	40	195.174	188.032	-7.142
1E+13	41	195.301	193.714	-1.587
	Max	197.696	194.805	3.927
	Average	194.645	192.094	-2.551
	Min	190.832	187.402	-7.884
	Std Dev	2.090	2.552	2.947

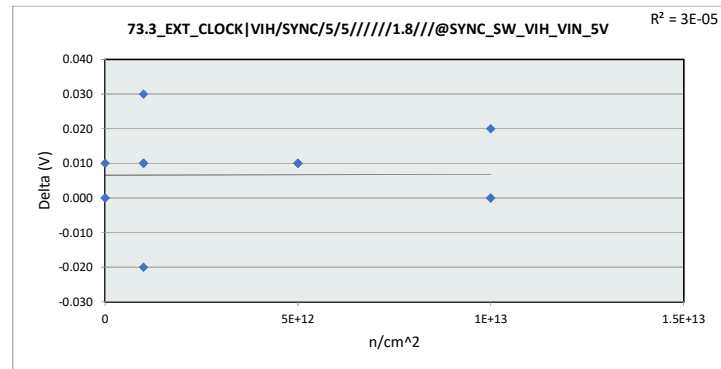


73.2_EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Max Limit	235	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	187.402	189.108	189.749	188.032
Average	191.587	192.470	191.639	192.553
Max	194.517	194.773	194.805	194.722
UL	235.000	235.000	235.000	235.000

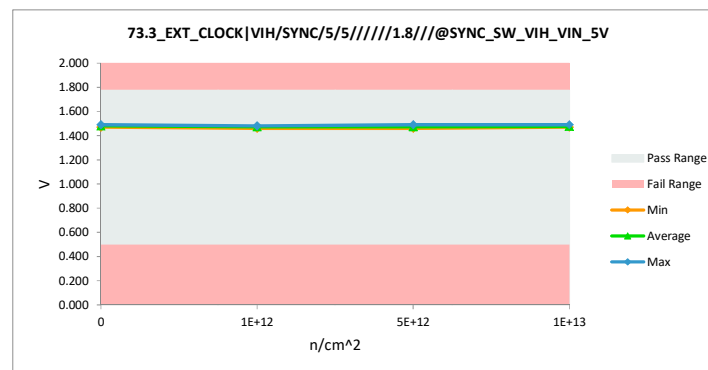


NDD Report TPS7H4102-SP

73.3_EXT_CLOCK VIH/SYNC/5/5/////1.8				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1.8		1.775	
Min Limit	0.245		0.5	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.480	1.480	0.000
0	2	1.480	1.490	0.010
0	3	1.470	1.470	0.000
1E+12	30	1.480	1.460	-0.020
1E+12	31	1.450	1.480	0.030
1E+12	32	1.460	1.470	0.010
1E+12	33	1.470	1.480	0.010
5E+12	34	1.480	1.490	0.010
5E+12	35	1.470	1.480	0.010
5E+12	36	1.450	1.460	0.010
5E+12	37	1.450	1.460	0.010
1E+13	38	1.470	1.470	0.000
1E+13	39	1.470	1.470	0.000
1E+13	40	1.470	1.470	0.000
1E+13	41	1.470	1.490	0.020
	Max	1.480	1.490	0.030
	Average	1.468	1.475	0.007
	Min	1.450	1.460	-0.020
	Std Dev	0.011	0.011	0.011

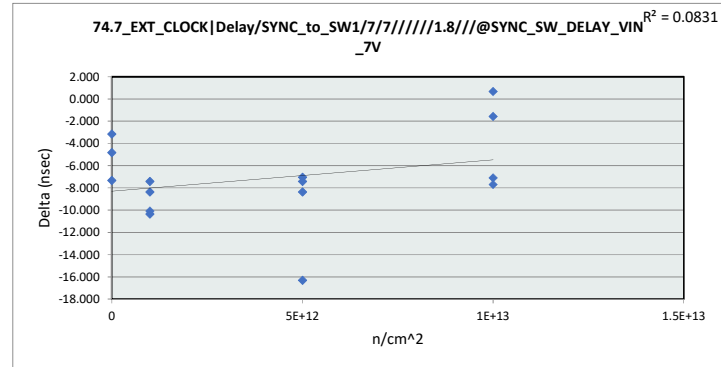


73.3_EXT_CLOCK VIH/SYNC/5/5/////1.8				
Test Site				
Tester				
Test Number				
Max Limit	1.775		V	
Min Limit	0.5		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.500	0.500	0.500	0.500
Min	1.470	1.460	1.460	1.470
Average	1.480	1.473	1.473	1.475
Max	1.490	1.480	1.490	1.490
UL	1.775	1.775	1.775	1.775

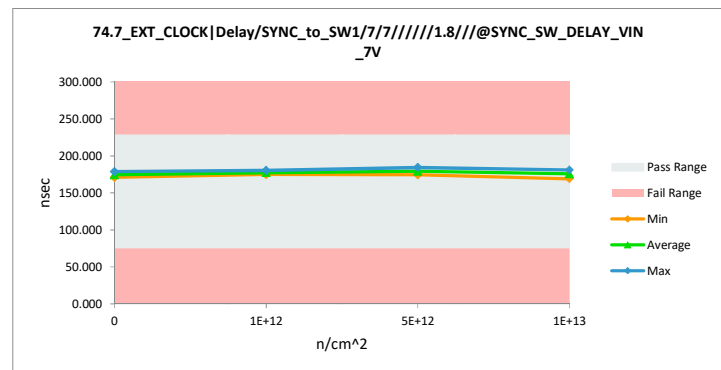


NDD Report TPS7H4102-SP

74.7_EXT_CLOCK Delay/SYNC_to_SW1/7				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	238	228		
Min Limit	45.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	182.020	178.868	-3.152
0	2	179.122	174.298	-4.825
0	3	178.327	170.998	-7.329
1E+12	30	185.300	174.953	-10.348
1E+12	31	188.724	178.649	-10.074
1E+12	32	188.862	180.487	-8.376
1E+12	33	183.113	175.684	-7.430
5E+12	34	189.157	181.729	-7.428
5E+12	35	185.626	177.256	-8.370
5E+12	36	191.366	184.325	-7.041
5E+12	37	190.817	174.506	-16.312
1E+13	38	176.681	168.998	-7.683
1E+13	39	180.650	181.307	0.657
1E+13	40	180.868	179.298	-1.570
1E+13	41	180.932	173.825	-7.107
	Max	191.366	184.325	0.657
	Average	184.104	177.012	-7.092
	Min	176.681	168.998	-16.312
	Std Dev	4.797	4.208	3.961

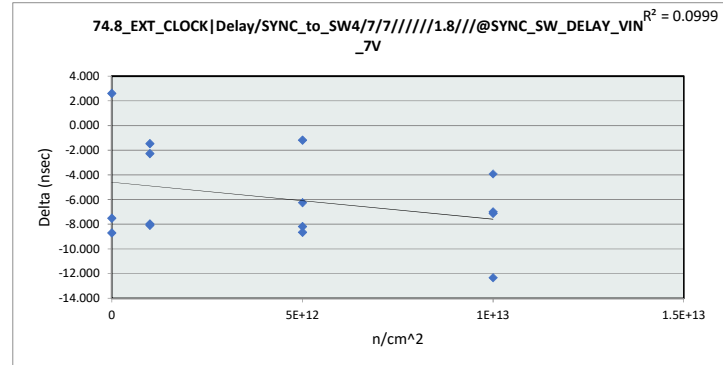


74.7_EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Max Limit	228	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	170.998	174.953	174.506	168.998
Average	174.721	177.443	179.454	175.857
Max	178.868	180.487	184.325	181.308
UL	228.000	228.000	228.000	228.000

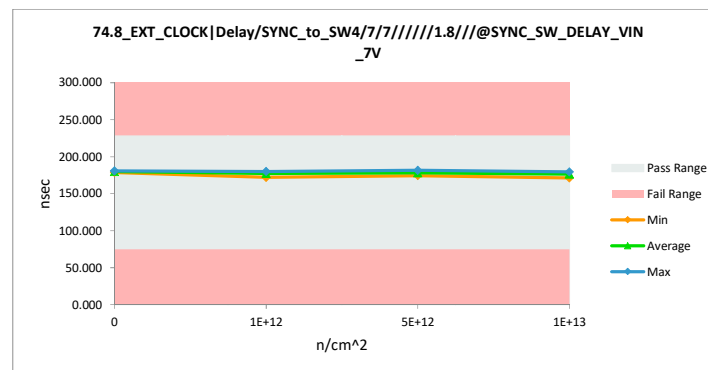


NDD Report TPS7H4102-SP

74.8_EXT_CLOCK Delay/SYNC_to_SW4/7				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	238	228		
Min Limit	45.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	178.241	180.842	2.601
0	2	187.639	180.135	-7.505
0	3	187.411	178.703	-8.708
1E+12	30	180.374	178.089	-2.285
1E+12	31	181.563	180.094	-1.469
1E+12	32	179.954	171.984	-7.970
1E+12	33	187.616	179.530	-8.086
5E+12	34	180.725	174.463	-6.262
5E+12	35	182.753	181.564	-1.189
5E+12	36	187.236	179.043	-8.193
5E+12	37	186.695	178.049	-8.646
1E+13	38	185.924	178.922	-7.002
1E+13	39	183.383	179.460	-3.923
1E+13	40	183.526	171.196	-12.331
1E+13	41	183.583	176.459	-7.124
	Max	187.639	181.564	2.601
	Average	183.775	177.902	-5.873
	Min	178.241	171.196	-12.331
	Std Dev	3.166	3.092	3.851

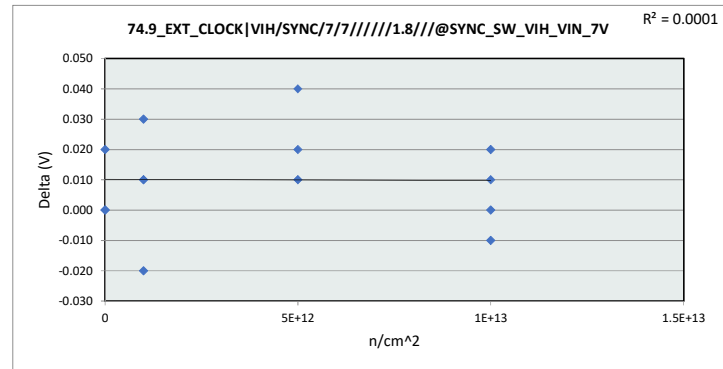


74.8_EXT_CLOCK Delay/SYNC				
Test Site				
Tester				
Test Number				
Max Limit	228	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	178.703	171.984	174.463	171.196
Average	179.893	177.424	178.280	176.509
Max	180.842	180.094	181.564	179.460
UL	228.000	228.000	228.000	228.000

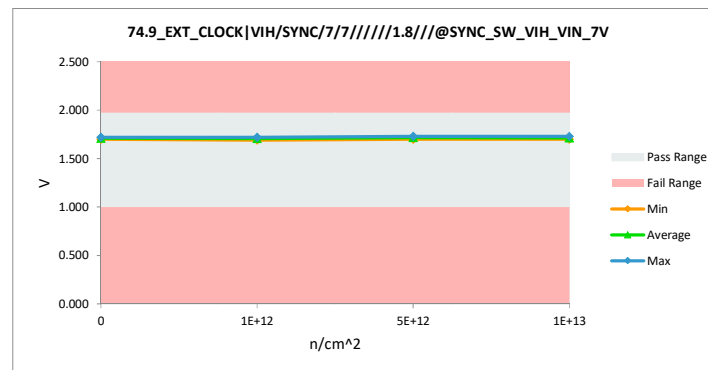


NDD Report TPS7H4102-SP

74.9_EXT_CLOCK VIH/SYNC/7/7/////1.8				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2		1.97	
Min Limit	0.806		1	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.710	1.710	0.000
0	2	1.700	1.720	0.020
0	3	1.700	1.700	0.000
1E+12	30	1.710	1.690	-0.020
1E+12	31	1.690	1.720	0.030
1E+12	32	1.690	1.700	0.010
1E+12	33	1.710	1.720	0.010
5E+12	34	1.720	1.730	0.010
5E+12	35	1.710	1.720	0.010
5E+12	36	1.680	1.700	0.020
5E+12	37	1.680	1.720	0.040
1E+13	38	1.700	1.710	0.010
1E+13	39	1.710	1.700	-0.010
1E+13	40	1.710	1.710	0.000
1E+13	41	1.710	1.730	0.020
Max		1.720	1.730	0.040
Average		1.702	1.712	0.010
Min		1.680	1.690	-0.020
Std Dev		0.012	0.012	0.015

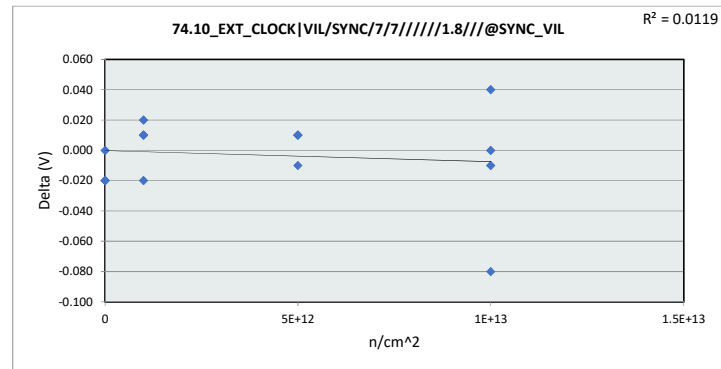


74.9_EXT_CLOCK VIH/SYNC/7/7/////1.8				
Test Site				
Tester				
Test Number				
Max Limit	1.97		V	
Min Limit	1		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	1.700	1.690	1.700	1.700
Average	1.710	1.708	1.718	1.713
Max	1.720	1.720	1.730	1.730
UL	1.970	1.970	1.970	1.970

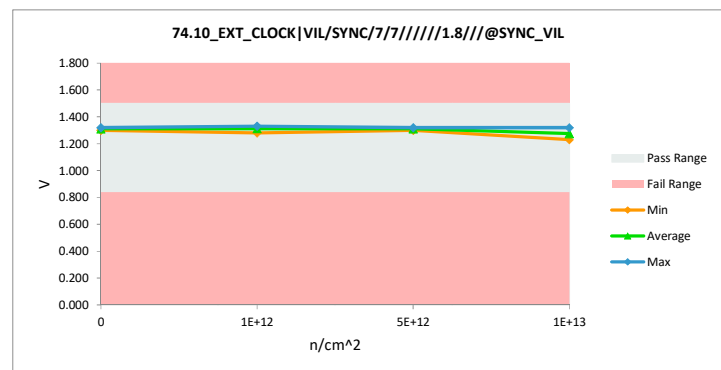


NDD Report TPS7H4102-SP

74.10_EXT_CLOCK VIL/SYNC/7/7/////1.8///@SYNC_VIL				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1.632		1.5	
Min Limit	0.8		0.84	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.330	1.310	-0.020
0	2	1.320	1.320	0.000
0	3	1.320	1.300	-0.020
1E+12	30	1.310	1.320	0.010
1E+12	31	1.300	1.320	0.020
1E+12	32	1.300	1.280	-0.020
1E+12	33	1.320	1.330	0.010
5E+12	34	1.310	1.320	0.010
5E+12	35	1.320	1.310	-0.010
5E+12	36	1.290	1.300	0.010
5E+12	37	1.300	1.310	0.010
1E+13	38	1.300	1.300	0.000
1E+13	39	1.310	1.230	-0.080
1E+13	40	1.260	1.250	-0.010
1E+13	41	1.280	1.320	0.040
Max		1.330	1.330	0.040
Average		1.305	1.301	-0.003
Min		1.260	1.230	-0.080
Std Dev		0.018	0.028	0.027

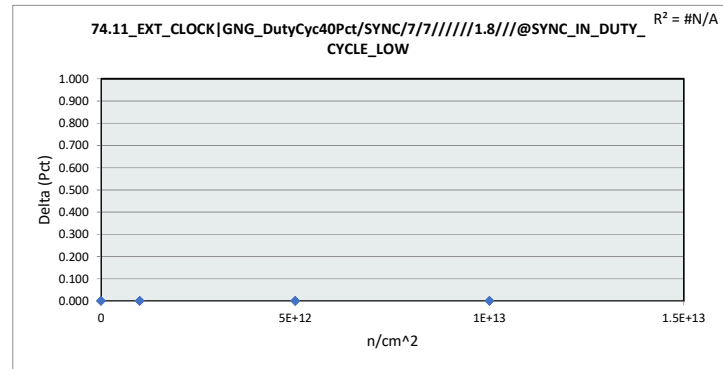


74.10_EXT_CLOCK VIL/SYNC/				
Test Site				
Tester				
Test Number				
Max Limit	1.5		V	
Min Limit	0.84		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.840	0.840	0.840	0.840
Min	1.300	1.280	1.300	1.230
Average	1.310	1.313	1.310	1.275
Max	1.320	1.330	1.320	1.320
UL	1.500	1.500	1.500	1.500

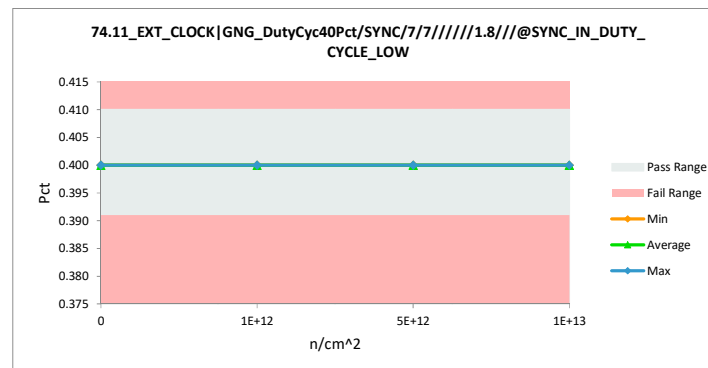


NDD Report TPS7H4102-SP

74.11_EXT_CLOCK GNG_DutyCyc40Pct/S				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.4138	0.41		
Min Limit	0.39	0.391		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.400	0.400	0.000
0	2	0.400	0.400	0.000
0	3	0.400	0.400	0.000
1E+12	30	0.400	0.400	0.000
1E+12	31	0.400	0.400	0.000
1E+12	32	0.400	0.400	0.000
1E+12	33	0.400	0.400	0.000
5E+12	34	0.400	0.400	0.000
5E+12	35	0.400	0.400	0.000
5E+12	36	0.400	0.400	0.000
5E+12	37	0.400	0.400	0.000
1E+13	38	0.400	0.400	0.000
1E+13	39	0.400	0.400	0.000
1E+13	40	0.400	0.400	0.000
1E+13	41	0.400	0.400	0.000
	Max	0.400	0.400	0.000
	Average	0.400	0.400	0.000
	Min	0.400	0.400	0.000
	Std Dev	0.000	0.000	0.000

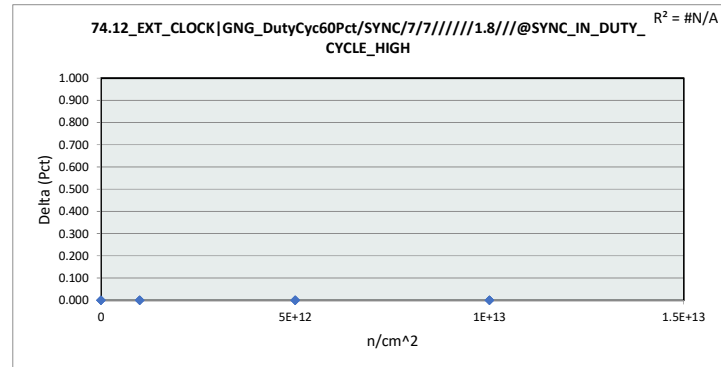


74.11_EXT_CLOCK GNG_DutyCyc40Pct/S				
Test Site				
Tester				
Test Number				
Max Limit	0.41	Pct		
Min Limit	0.391	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.391	0.391	0.391	0.391
Min	0.400	0.400	0.400	0.400
Average	0.400	0.400	0.400	0.400
Max	0.400	0.400	0.400	0.400
UL	0.410	0.410	0.410	0.410

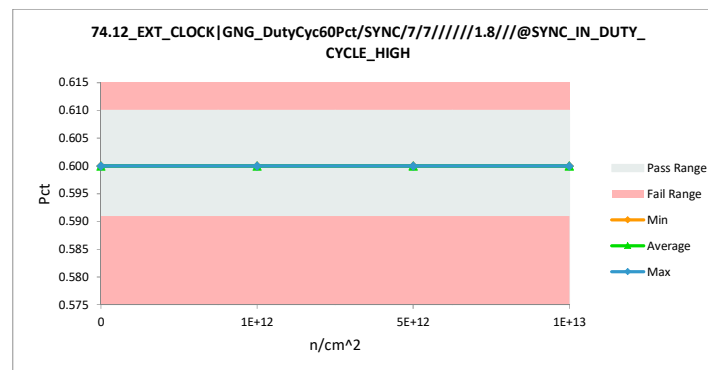


NDD Report TPS7H4102-SP

74.12_EXT_CLOCK GNG_DutyCyc60Pct/S				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.6138	0.61		
Min Limit	0.59	0.591		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.600	0.600	0.000
0	2	0.600	0.600	0.000
0	3	0.600	0.600	0.000
1E+12	30	0.600	0.600	0.000
1E+12	31	0.600	0.600	0.000
1E+12	32	0.600	0.600	0.000
1E+12	33	0.600	0.600	0.000
5E+12	34	0.600	0.600	0.000
5E+12	35	0.600	0.600	0.000
5E+12	36	0.600	0.600	0.000
5E+12	37	0.600	0.600	0.000
1E+13	38	0.600	0.600	0.000
1E+13	39	0.600	0.600	0.000
1E+13	40	0.600	0.600	0.000
1E+13	41	0.600	0.600	0.000
Max		0.600	0.600	0.000
Average		0.600	0.600	0.000
Min		0.600	0.600	0.000
Std Dev		0.000	0.000	0.000

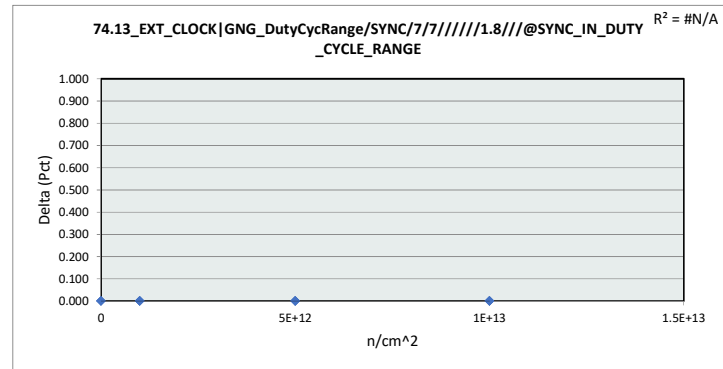


74.12_EXT_CLOCK GNG_DutyCyc60Pct/S				
Test Site				
Tester				
Test Number				
Max Limit	0.61	Pct		
Min Limit	0.591	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.591	0.591	0.591	0.591
Min	0.600	0.600	0.600	0.600
Average	0.600	0.600	0.600	0.600
Max	0.600	0.600	0.600	0.600
UL	0.610	0.610	0.610	0.610

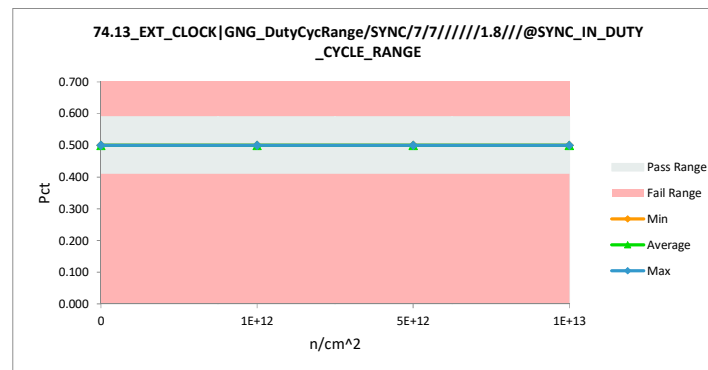


NDD Report TPS7H4102-SP

74.13_EXT_CLOCK GNG_DutyCycRange/S				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.6	0.59		
Min Limit	0.4	0.41		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.500	0.500	0.000
0	2	0.500	0.500	0.000
0	3	0.500	0.500	0.000
1E+12	30	0.500	0.500	0.000
1E+12	31	0.500	0.500	0.000
1E+12	32	0.500	0.500	0.000
1E+12	33	0.500	0.500	0.000
5E+12	34	0.500	0.500	0.000
5E+12	35	0.500	0.500	0.000
5E+12	36	0.500	0.500	0.000
5E+12	37	0.500	0.500	0.000
1E+13	38	0.500	0.500	0.000
1E+13	39	0.500	0.500	0.000
1E+13	40	0.500	0.500	0.000
1E+13	41	0.500	0.500	0.000
	Max	0.500	0.500	0.000
	Average	0.500	0.500	0.000
	Min	0.500	0.500	0.000
	Std Dev	0.000	0.000	0.000

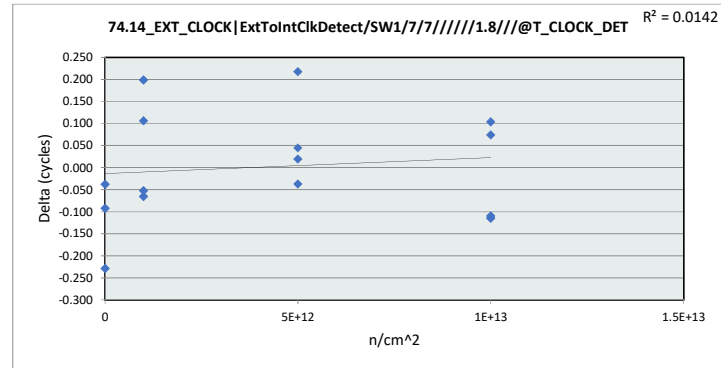


74.13_EXT_CLOCK GNG_DutyCycRange/S				
Test Site				
Tester				
Test Number				
Max Limit	0.59	Pct		
Min Limit	0.41	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.410	0.410	0.410	0.410
Min	0.500	0.500	0.500	0.500
Average	0.500	0.500	0.500	0.500
Max	0.500	0.500	0.500	0.500
UL	0.590	0.590	0.590	0.590

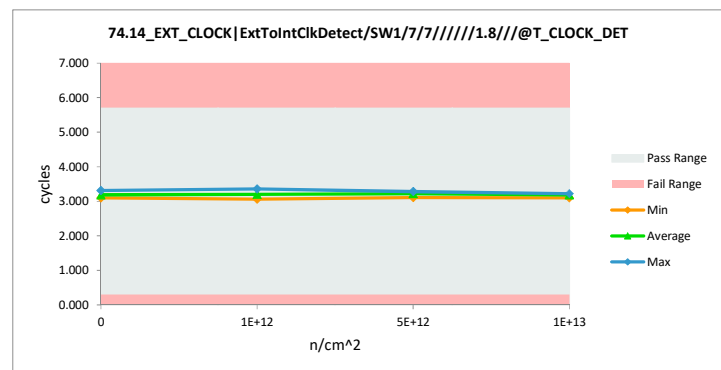


NDD Report TPS7H4102-SP

74.14_EXT_CLOCK ExtToIntClkDetect/SW1				
Test Site				
Tester				
Test Number				
Unit	cycles		cycles	
Max Limit	6		5.7	
Min Limit	-0.78		0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	3.354	3.316	-0.038
0	2	3.327	3.099	-0.229
0	3	3.236	3.144	-0.092
1E+12	30	3.249	3.356	0.106
1E+12	31	2.988	3.187	0.199
1E+12	32	3.240	3.187	-0.053
1E+12	33	3.125	3.060	-0.065
5E+12	34	3.061	3.278	0.217
5E+12	35	3.185	3.230	0.045
5E+12	36	3.088	3.108	0.019
5E+12	37	3.307	3.270	-0.037
1E+13	38	3.103	3.207	0.104
1E+13	39	3.146	3.221	0.074
1E+13	40	3.206	3.096	-0.109
1E+13	41	3.335	3.220	-0.115
	Max	3.354	3.356	0.217
	Average	3.197	3.199	0.002
	Min	2.988	3.060	-0.229
	Std Dev	0.110	0.086	0.123

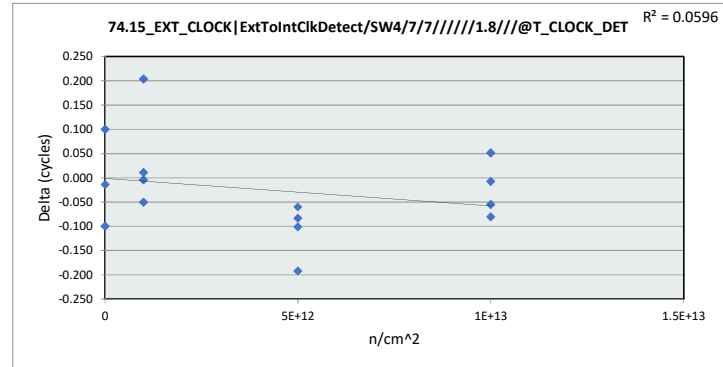


74.14_EXT_CLOCK ExtToIntClkDetect/SW1				
Test Site				
Tester				
Test Number				
Max Limit	5.7		cycles	
Min Limit	0.3		cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.099	3.060	3.108	3.096
Average	3.186	3.198	3.221	3.186
Max	3.316	3.356	3.278	3.221
UL	5.700	5.700	5.700	5.700

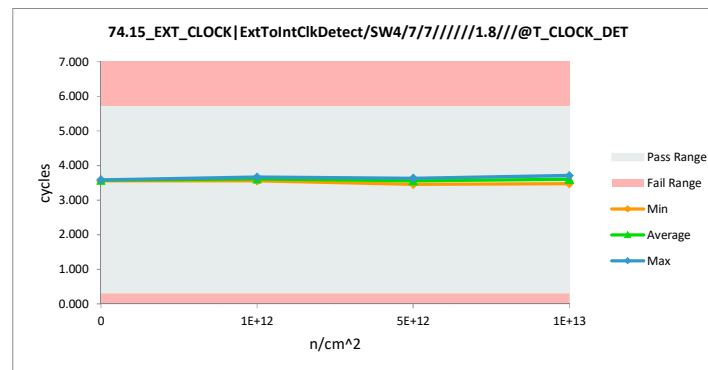


NDD Report TPS7H4102-SP

74.15_EXT_CLOCK ExtToIntClkDetect/SW4				
Test Site				
Tester				
Test Number				
Unit	cycles		cycles	
Max Limit	6		5.7	
Min Limit	-0.78		0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	3.601	3.587	-0.014
0	2	3.653	3.554	-0.099
0	3	3.489	3.589	0.100
1E+12	30	3.587	3.598	0.011
1E+12	31	3.611	3.560	-0.051
1E+12	32	3.428	3.632	0.203
1E+12	33	3.668	3.664	-0.004
5E+12	34	3.689	3.629	-0.060
5E+12	35	3.699	3.616	-0.083
5E+12	36	3.646	3.454	-0.192
5E+12	37	3.642	3.541	-0.101
1E+13	38	3.667	3.660	-0.007
1E+13	39	3.658	3.709	0.051
1E+13	40	3.648	3.593	-0.055
1E+13	41	3.554	3.473	-0.080
	Max	3.699	3.709	0.203
	Average	3.616	3.591	-0.025
	Min	3.428	3.454	-0.192
	Std Dev	0.075	0.068	0.094

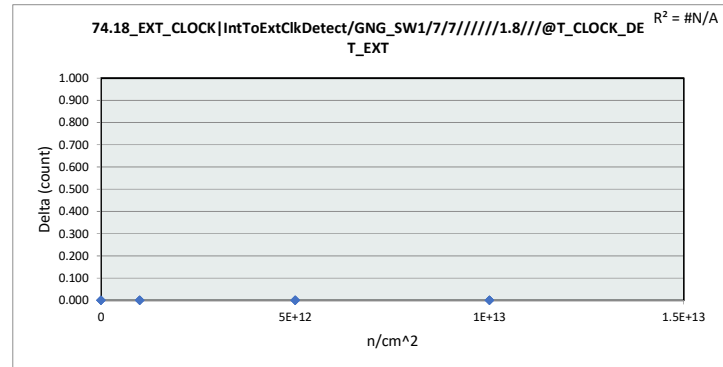


74.15_EXT_CLOCK ExtToIntClkDetect/SW4				
Test Site				
Tester				
Test Number				
Max Limit	5.7		cycles	
Min Limit	0.3		cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.554	3.561	3.454	3.473
Average	3.577	3.614	3.560	3.609
Max	3.589	3.664	3.629	3.709
UL	5.700	5.700	5.700	5.700

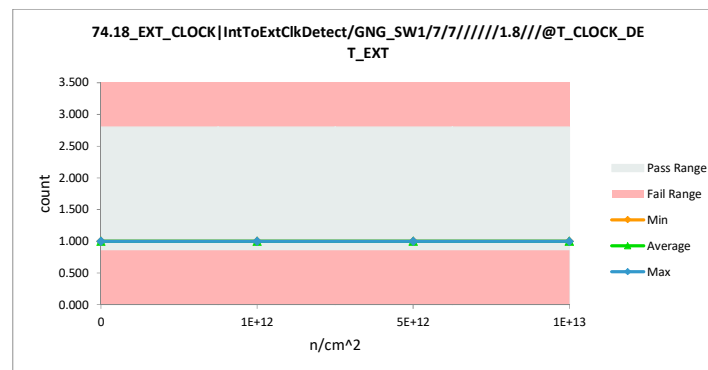


NDD Report TPS7H4102-SP

74.18_EXT_CLOCK IntToExtClkDetect/GN				
Test Site				
Tester				
Test Number				
Unit	count	count		
Max Limit	3	2.8		
Min Limit	0.472	0.86		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.000	1.000	0.000
0	2	1.000	1.000	0.000
0	3	1.000	1.000	0.000
1E+12	30	1.000	1.000	0.000
1E+12	31	1.000	1.000	0.000
1E+12	32	1.000	1.000	0.000
1E+12	33	1.000	1.000	0.000
5E+12	34	1.000	1.000	0.000
5E+12	35	1.000	1.000	0.000
5E+12	36	1.000	1.000	0.000
5E+12	37	1.000	1.000	0.000
1E+13	38	1.000	1.000	0.000
1E+13	39	1.000	1.000	0.000
1E+13	40	1.000	1.000	0.000
1E+13	41	1.000	1.000	0.000
Max		1.000	1.000	0.000
Average		1.000	1.000	0.000
Min		1.000	1.000	0.000
Std Dev		0.000	0.000	0.000

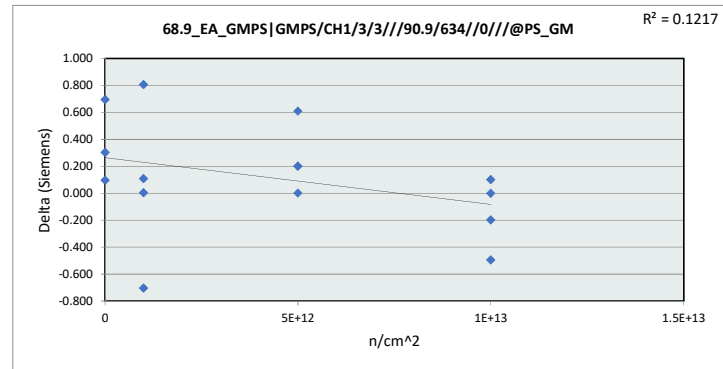


74.18_EXT_CLOCK IntToExtClk				
Test Site				
Tester				
Test Number				
Max Limit	2.8	count		
Min Limit	0.86	count		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.860	0.860	0.860	0.860
Min	1.000	1.000	1.000	1.000
Average	1.000	1.000	1.000	1.000
Max	1.000	1.000	1.000	1.000
UL	2.800	2.800	2.800	2.800

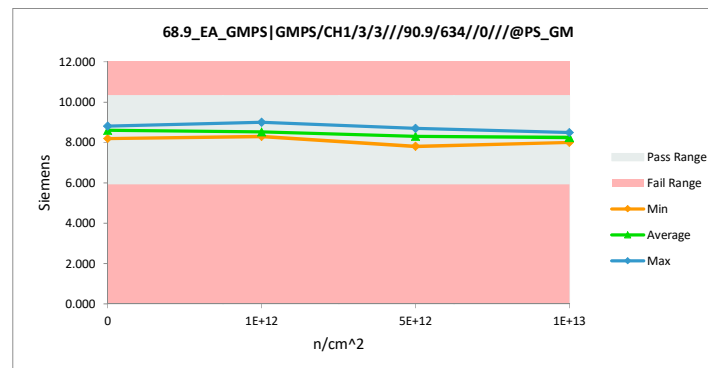


NDD Report TPS7H4102-SP

68.9_EA_GMPS GMPS/CH1/3/3///90.9/6				
Test Site				
Tester				
Test Number				
Unit	Siemens	Siemens		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	8.500	8.804	0.304
0	2	8.101	8.797	0.696
0	3	8.103	8.199	0.097
1E+12	30	8.998	8.295	-0.703
1E+12	31	8.193	9.002	0.808
1E+12	32	8.191	8.301	0.110
1E+12	33	8.499	8.504	0.005
5E+12	34	8.502	8.504	0.002
5E+12	35	8.496	8.699	0.202
5E+12	36	7.601	7.803	0.202
5E+12	37	7.596	8.206	0.610
1E+13	38	8.107	8.208	0.102
1E+13	39	8.493	8.295	-0.197
1E+13	40	8.494	8.000	-0.493
1E+13	41	8.494	8.494	0.001
	Max	8.998	9.002	0.808
	Average	8.291	8.407	0.116
	Min	7.596	7.803	-0.703
	Std Dev	0.367	0.323	0.404

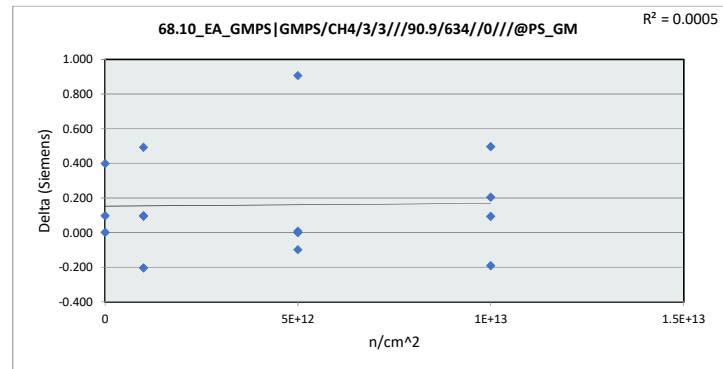


68.9_EA_GMPS GMPS/CH1/3/				
Test Site				
Tester				
Test Number				
Max Limit	10.31	Siemens		
Min Limit	5.93	Siemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.199	8.296	7.803	8.000
Average	8.600	8.525	8.303	8.250
Max	8.804	9.002	8.699	8.494
UL	10.310	10.310	10.310	10.310

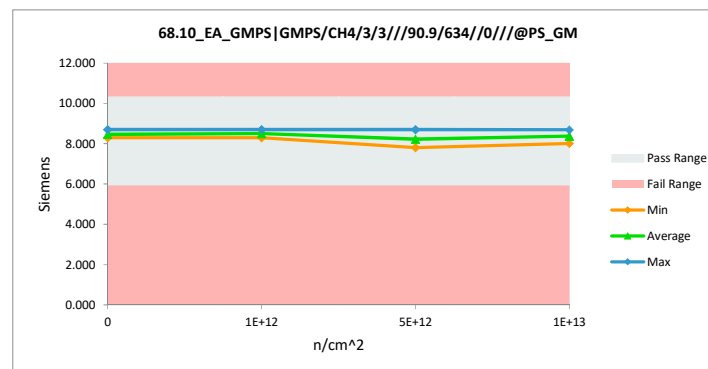


NDD Report TPS7H4102-SP

68.10_EA_GMPS GMPS/CH4/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	Siemens	Siemens		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	8.299	8.698	0.399
0	2	8.301	8.399	0.097
0	3	8.300	8.300	0.000
1E+12	30	8.709	8.504	-0.205
1E+12	31	8.207	8.699	0.492
1E+12	32	8.204	8.300	0.096
1E+12	33	8.406	8.500	0.095
5E+12	34	8.500	8.401	-0.099
5E+12	35	7.998	7.997	-0.001
5E+12	36	7.793	7.801	0.009
5E+12	37	7.797	8.703	0.906
1E+13	38	8.307	8.400	0.093
1E+13	39	8.199	8.695	0.496
1E+13	40	8.197	8.007	-0.191
1E+13	41	8.199	8.403	0.204
	Max	8.709	8.703	0.906
	Average	8.228	8.387	0.160
	Min	7.793	7.801	-0.205
	Std Dev	0.238	0.277	0.299

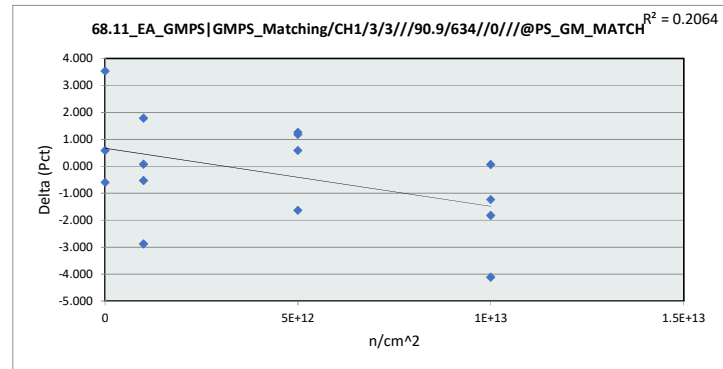


68.10_EA_GMPS GMPS/CH4/3/3///90.9/634/0///@PS_GM				
Test Site				
Tester				
Test Number				
Max Limit	10.31	Siemens		
Min Limit	5.93	Siemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.300	8.300	7.801	8.007
Average	8.466	8.501	8.226	8.376
Max	8.698	8.699	8.703	8.695
UL	10.310	10.310	10.310	10.310

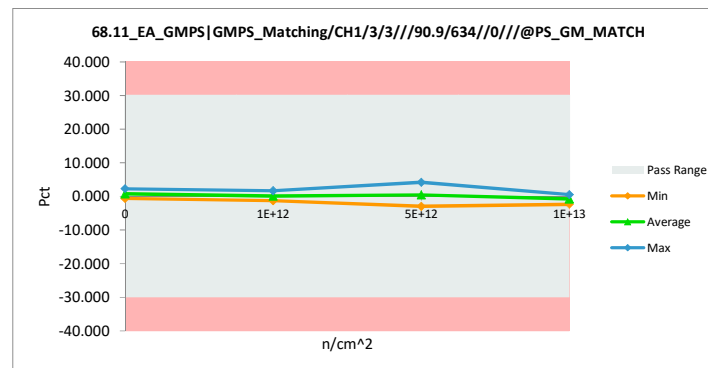


NDD Report TPS7H4102-SP

68.11_EA_GMPS GMPS_Matching/CH1/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	42	30		
Min Limit	-42	-30		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.200	0.610	-0.590
0	2	-1.220	2.320	3.540
0	3	-1.200	-0.610	0.590
1E+12	30	1.640	-1.240	-2.880
1E+12	31	-0.080	1.710	1.790
1E+12	32	-0.080	0.000	0.080
1E+12	33	0.550	0.020	-0.530
5E+12	34	0.010	0.600	0.590
5E+12	35	3.020	4.200	1.180
5E+12	36	-1.250	0.010	1.260
5E+12	37	-1.310	-2.940	-1.630
1E+13	38	-1.220	-1.150	0.070
1E+13	39	1.760	-2.350	-4.110
1E+13	40	1.780	-0.040	-1.820
1E+13	41	1.770	0.540	-1.230
	Max	3.020	4.200	3.540
	Average	0.358	0.112	-0.246
	Min	-1.310	-2.940	-4.110
	Std Dev	1.433	1.776	1.924

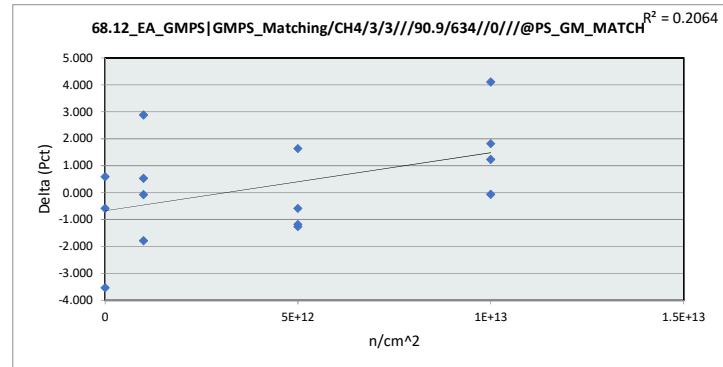


68.11_EA_GMPS GMPS_Matching/CH1/3/3///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30	Pct		
Min Limit	-30	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-0.610	-1.240	-2.940	-2.350
Average	0.773	0.123	0.468	-0.750
Max	2.320	1.710	4.200	0.540
UL	30.000	30.000	30.000	30.000

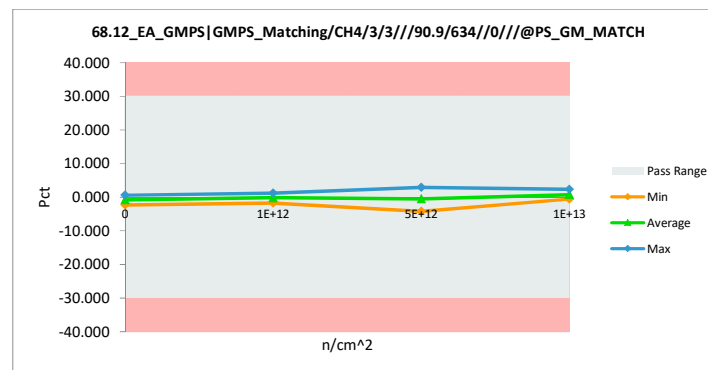


NDD Report TPS7H4102-SP

68.12_EA_GMPS GMPS_Matching/CH4/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	42	30		
Min Limit	-42	-30		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	-1.200	-0.610	0.590
0	2	1.220	-2.320	-3.540
0	3	1.200	0.610	-0.590
1E+12	30	-1.640	1.240	2.880
1E+12	31	0.080	-1.710	-1.790
1E+12	32	0.080	0.000	-0.080
1E+12	33	-0.550	-0.020	0.530
5E+12	34	-0.010	-0.600	-0.590
5E+12	35	-3.020	-4.200	-1.180
5E+12	36	1.250	-0.010	-1.260
5E+12	37	1.310	2.940	1.630
1E+13	38	1.220	1.150	-0.070
1E+13	39	-1.760	2.350	4.110
1E+13	40	-1.780	0.040	1.820
1E+13	41	-1.770	-0.540	1.230
	Max	1.310	2.940	4.110
	Average	-0.358	-0.112	0.246
	Min	-3.020	-4.200	-3.540
	Std Dev	1.433	1.776	1.924

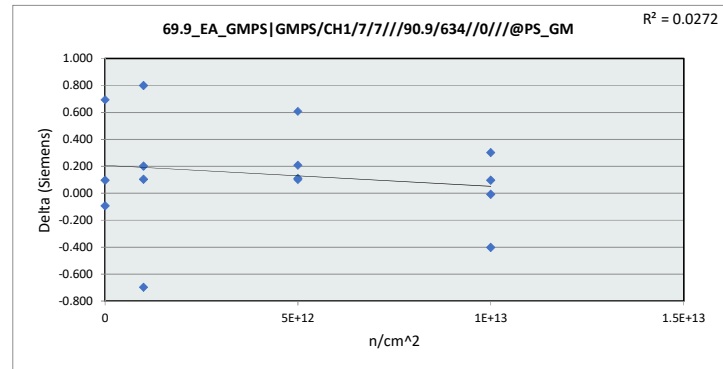


68.12_EA_GMPS GMPS_Matching/CH4/3/3///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30	Pct		
Min Limit	-30	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-2.320	-1.710	-4.200	-0.540
Average	-0.773	-0.123	-0.468	0.750
Max	0.610	1.240	2.940	2.350
UL	30.000	30.000	30.000	30.000

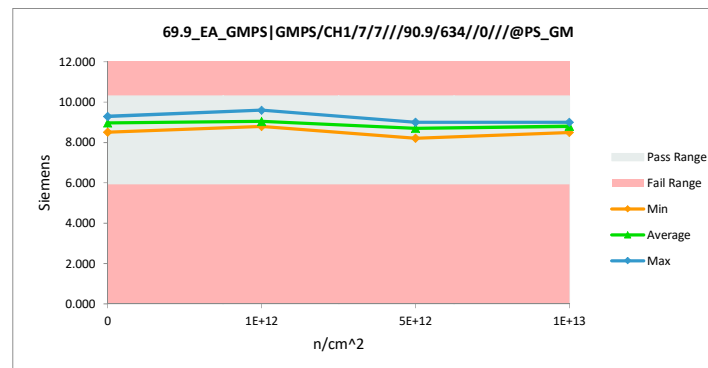


NDD Report TPS7H4102-SP

69.9_EA_GMPS GMPS/CH1/7/7///90.9/6				
Test Site				
Tester				
Test Number				
Unit	Siemens	Siemens		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	9.005	9.102	0.097
0	2	8.604	9.298	0.694
0	3	8.599	8.505	-0.094
1E+12	30	9.495	8.797	-0.697
1E+12	31	8.799	9.600	0.800
1E+12	32	8.698	8.801	0.103
1E+12	33	8.801	9.003	0.202
5E+12	34	8.894	9.004	0.110
5E+12	35	8.898	8.999	0.101
5E+12	36	8.001	8.208	0.207
5E+12	37	7.999	8.606	0.608
1E+13	38	8.500	8.803	0.302
1E+13	39	8.907	8.900	-0.007
1E+13	40	8.903	8.501	-0.402
1E+13	41	8.903	9.000	0.097
	Max	9.495	9.600	0.800
	Average	8.734	8.875	0.141
	Min	7.999	8.208	-0.697
	Std Dev	0.375	0.341	0.385

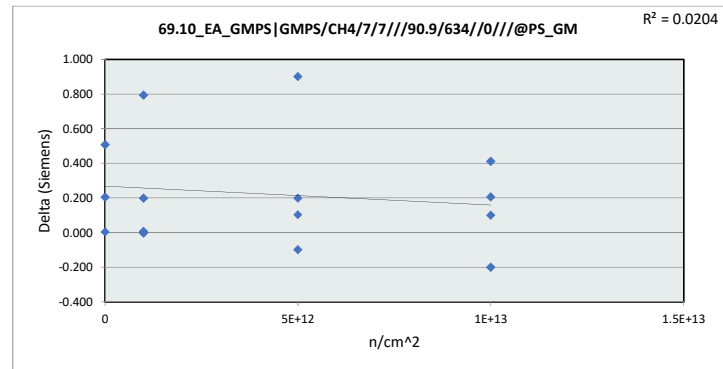


69.9_EA_GMPS GMPS/CH1/7/7				
Test Site				
Tester				
Test Number				
Max Limit	10.31	Siemens		
Min Limit	5.93	Siemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.505	8.797	8.209	8.501
Average	8.968	9.050	8.705	8.801
Max	9.298	9.600	9.004	9.000
UL	10.310	10.310	10.310	10.310

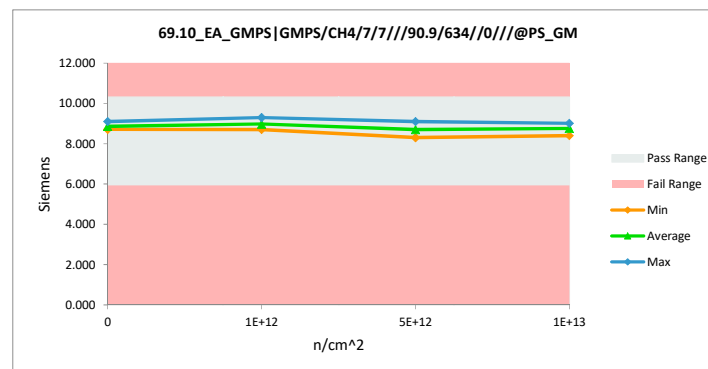


NDD Report TPS7H4102-SP

69.10_EA_GMPS GMPS/CH4/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	Siemens		Siemens	
Max Limit	10.46		10.31	
Min Limit	5.78		5.93	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	8.594	9.100	0.506
0	2	8.599	8.803	0.204
0	3	8.699	8.703	0.003
1E+12	30	9.103	9.099	-0.004
1E+12	31	8.507	9.300	0.793
1E+12	32	8.506	8.704	0.198
1E+12	33	8.797	8.804	0.007
5E+12	34	8.902	8.804	-0.098
5E+12	35	8.399	8.597	0.199
5E+12	36	8.201	8.304	0.103
5E+12	37	8.200	9.100	0.900
1E+13	38	8.697	8.902	0.205
1E+13	39	8.597	9.008	0.412
1E+13	40	8.598	8.398	-0.200
1E+13	41	8.599	8.699	0.100
	Max	9.103	9.300	0.900
	Average	8.600	8.822	0.222
	Min	8.200	8.304	-0.200
	Std Dev	0.236	0.273	0.312

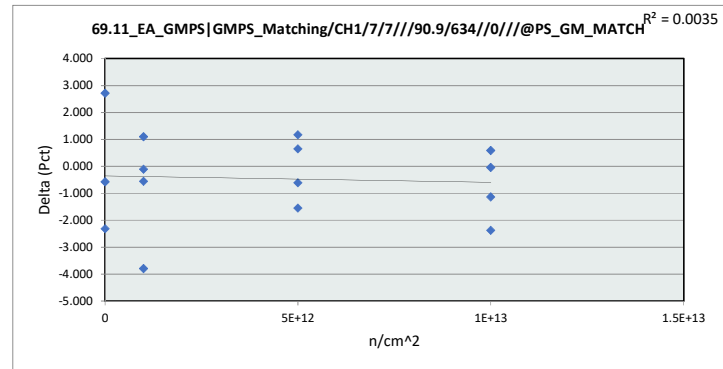


69.10_EA_GMPS GMPS/CH4/7/7///90.9/634/0///@PS_GM				
Test Site				
Tester				
Test Number				
Max Limit	10.31		Siemens	
Min Limit	5.93		Siemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.703	8.704	8.304	8.398
Average	8.869	8.977	8.702	8.752
Max	9.100	9.300	9.100	9.008
UL	10.310	10.310	10.310	10.310

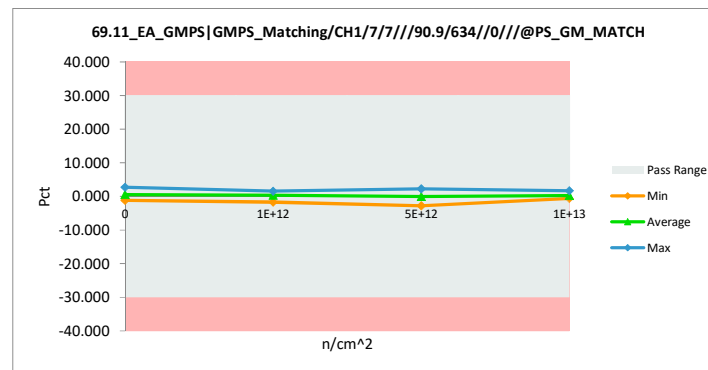


NDD Report TPS7H4102-SP

69.11_EA_GMPS GMPS_Matching/CH1/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	42	30		
Min Limit	-42	-30		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.330	0.010	-2.320
0	2	0.030	2.740	2.710
0	3	-0.580	-1.150	-0.570
1E+12	30	2.110	-1.690	-3.800
1E+12	31	1.690	1.580	-0.110
1E+12	32	1.120	0.560	-0.560
1E+12	33	0.020	1.120	1.100
5E+12	34	-0.050	1.120	1.170
5E+12	35	2.890	2.280	-0.610
5E+12	36	-1.230	-0.580	0.650
5E+12	37	-1.240	-2.790	-1.550
1E+13	38	-1.140	-0.560	0.580
1E+13	39	1.780	-0.600	-2.380
1E+13	40	1.750	0.610	-1.140
1E+13	41	1.740	1.700	-0.040
	Max	2.890	2.740	2.710
	Average	0.748	0.290	-0.458
	Min	-1.240	-2.790	-3.800
	Std Dev	1.412	1.535	1.642

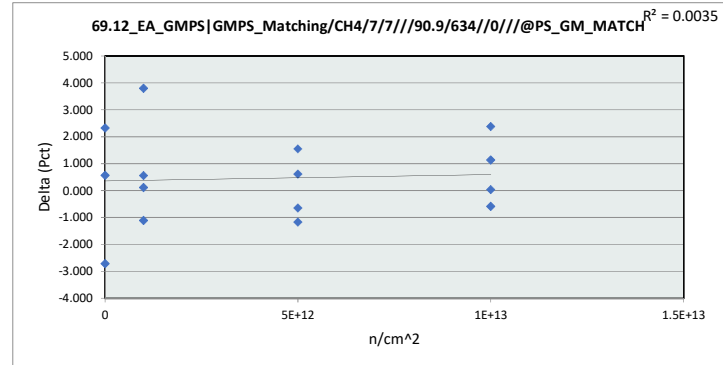


69.11_EA_GMPS GMPS_Matching/CH1/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30	Pct		
Min Limit	-30	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-1.150	-1.690	-2.790	-0.600
Average	0.533	0.393	0.007	0.288
Max	2.740	1.580	2.280	1.700
UL	30.000	30.000	30.000	30.000

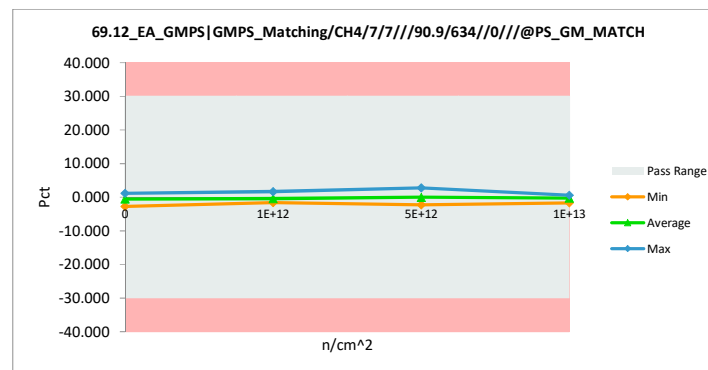


NDD Report TPS7H4102-SP

69.12_EA_GMPS GMPS_Matching/CH4/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	42	30		
Min Limit	-42	-30		
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	-2.330	-0.010	2.320
0	2	-0.030	-2.740	-2.710
0	3	0.580	1.150	0.570
1E+12	30	-2.110	1.690	3.800
1E+12	31	-1.690	-1.580	0.110
1E+12	32	-1.120	-0.560	0.560
1E+12	33	-0.020	-1.120	-1.100
5E+12	34	0.050	-1.120	-1.170
5E+12	35	-2.890	-2.280	0.610
5E+12	36	1.230	0.580	-0.650
5E+12	37	1.240	2.790	1.550
1E+13	38	1.140	0.560	-0.580
1E+13	39	-1.780	0.600	2.380
1E+13	40	-1.750	-0.610	1.140
1E+13	41	-1.740	-1.700	0.040
	Max	1.240	2.790	3.800
	Average	-0.748	-0.290	0.458
	Min	-2.890	-2.740	-2.710
	Std Dev	1.412	1.535	1.642

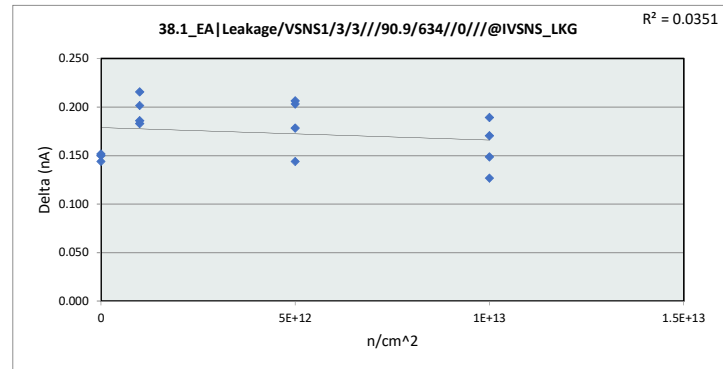


69.12_EA_GMPS GMPS_Matching/CH4/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30	Pct		
Min Limit	-30	Pct		
n/cm ²	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-2.740	-1.580	-2.280	-1.700
Average	-0.533	-0.393	-0.007	-0.288
Max	1.150	1.690	2.790	0.600
UL	30.000	30.000	30.000	30.000

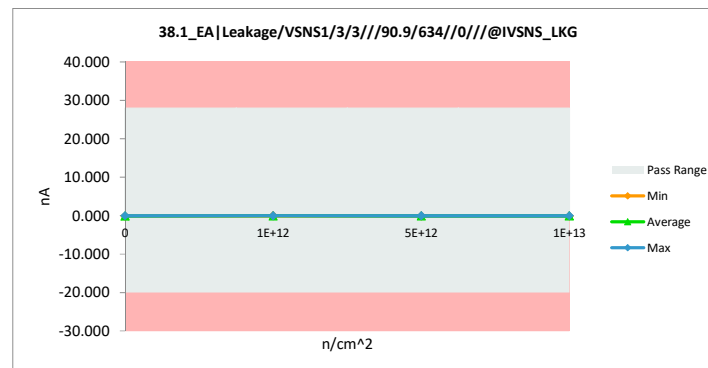


NDD Report TPS7H4102-SP

38.1_EA Leakage/VSNS1/3/3///90.9/63				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	-0.245	-0.094	0.152
0	2	-0.228	-0.084	0.144
0	3	-0.214	-0.064	0.150
1E+12	30	-0.222	-0.020	0.202
1E+12	31	-0.200	-0.017	0.183
1E+12	32	-0.272	-0.056	0.216
1E+12	33	-0.237	-0.051	0.186
5E+12	34	-0.249	-0.042	0.207
5E+12	35	-0.206	-0.028	0.178
5E+12	36	-0.184	-0.041	0.144
5E+12	37	-0.275	-0.072	0.203
1E+13	38	-0.233	-0.062	0.171
1E+13	39	-0.220	-0.094	0.127
1E+13	40	-0.231	-0.042	0.189
1E+13	41	-0.220	-0.072	0.149
	Max	-0.184	-0.017	0.216
	Average	-0.229	-0.056	0.173
	Min	-0.275	-0.094	0.127
	Std Dev	0.025	0.025	0.028

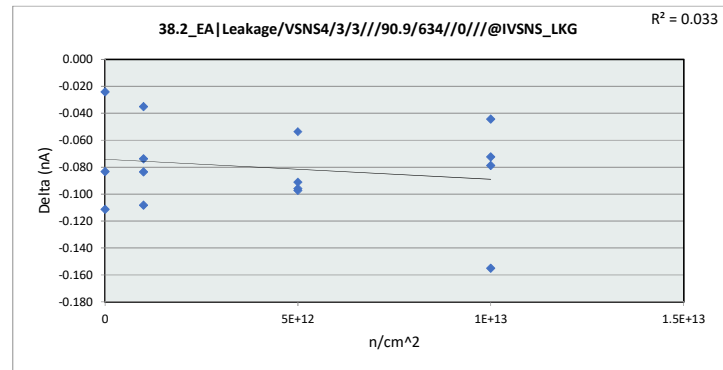


38.1_EA Leakage/VSNS1/3/3				
Test Site				
Tester				
Test Number				
Max Limit	28	nA		
Min Limit	-20	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.094	-0.056	-0.072	-0.094
Average	-0.081	-0.036	-0.046	-0.067
Max	-0.064	-0.017	-0.028	-0.042
UL	28.000	28.000	28.000	28.000

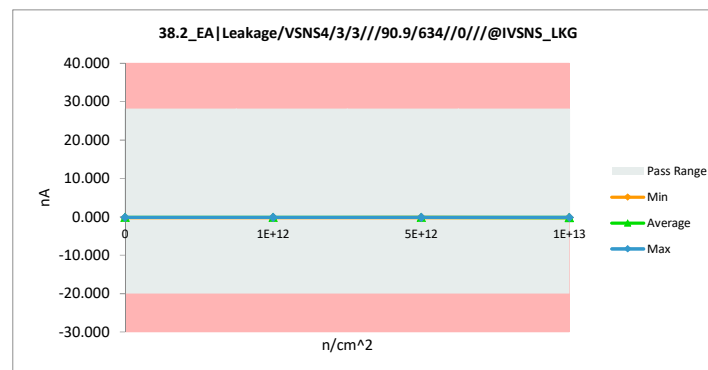


NDD Report TPS7H4102-SP

38.2_EA Leakage/VSNS4/3/3///90.9/63				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	-0.076	-0.188	-0.111
0	2	-0.132	-0.156	-0.024
0	3	-0.114	-0.197	-0.083
1E+12	30	-0.081	-0.164	-0.083
1E+12	31	-0.093	-0.201	-0.108
1E+12	32	-0.115	-0.189	-0.074
1E+12	33	-0.126	-0.161	-0.035
5E+12	34	-0.067	-0.163	-0.096
5E+12	35	-0.092	-0.189	-0.097
5E+12	36	-0.103	-0.194	-0.091
5E+12	37	-0.126	-0.180	-0.054
1E+13	38	-0.118	-0.191	-0.072
1E+13	39	-0.164	-0.208	-0.044
1E+13	40	-0.089	-0.244	-0.155
1E+13	41	-0.101	-0.180	-0.079
	Max	-0.067	-0.156	-0.024
	Average	-0.106	-0.187	-0.080
	Min	-0.164	-0.244	-0.155
	Std Dev	0.025	0.022	0.033

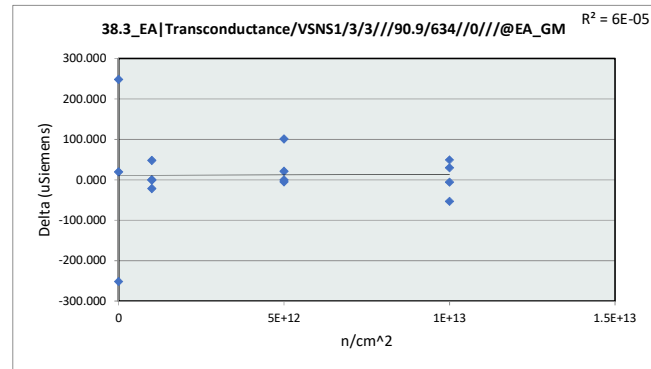


38.2_EA Leakage/VSNS4/3/3				
Test Site				
Tester				
Test Number				
Max Limit	28	nA		
Min Limit	-20	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.197	-0.202	-0.194	-0.244
Average	-0.180	-0.179	-0.181	-0.205
Max	-0.156	-0.161	-0.163	-0.180
UL	28.000	28.000	28.000	28.000

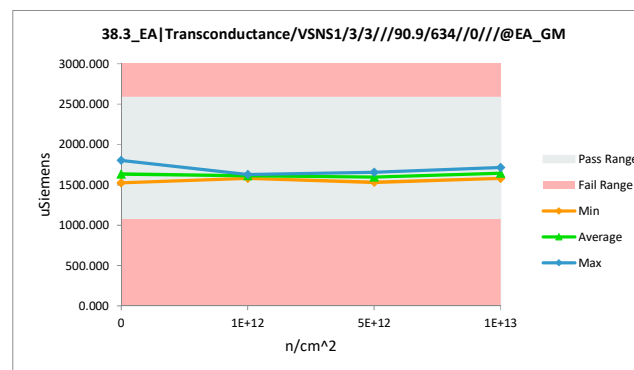


NDD Report TPS7H4102-SP

38.3_EA Transconductance/VSNS1/3/3//				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2630		2582	
Min Limit	1029		1077	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1777.307	1525.801	-251.506
0	2	1555.144	1803.735	248.592
0	3	1555.144	1575.340	20.197
1E+12	30	1580.472	1628.204	47.732
1E+12	31	1628.204	1606.639	-21.566
1E+12	32	1628.204	1628.204	0.000
1E+12	33	1580.472	1580.472	0.000
5E+12	34	1606.639	1628.204	21.566
5E+12	35	1530.615	1530.615	0.000
5E+12	36	1580.472	1575.340	-5.131
5E+12	37	1555.144	1655.989	100.846
1E+13	38	1684.739	1714.505	29.766
1E+13	39	1633.686	1580.472	-53.214
1E+13	40	1606.639	1655.989	49.351
1E+13	41	1633.686	1628.204	-5.482
	Max	1777.307	1803.735	248.592
	Average	1609.104	1621.181	12.077
	Min	1530.615	1525.801	-251.506
	Std Dev	61.713	70.551	101.017

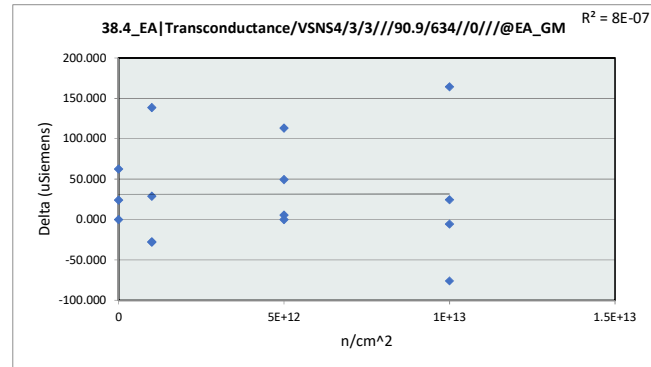


38.3_EA Transconductance/VSNS1/3/3//				
Test Site				
Tester				
Test Number				
Max Limit	2582		uSiemens	
Min Limit	1077		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1077.000	1077.000	1077.000	1077.000
Min	1525.801	1580.472	1530.615	1580.472
Average	1634.959	1610.880	1597.537	1644.792
Max	1803.736	1628.204	1655.989	1714.505
UL	2582.000	2582.000	2582.000	2582.000

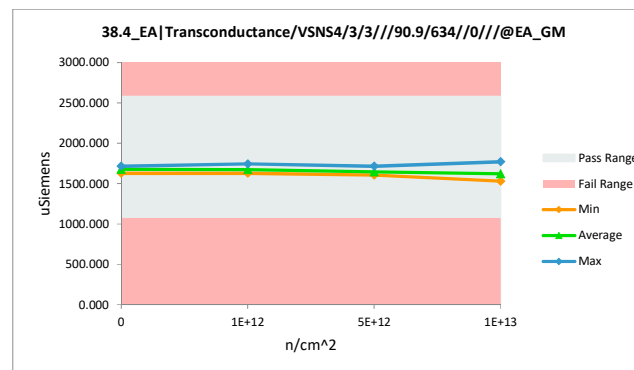


NDD Report TPS7H4102-SP

38.4_EA Transconductance/VSNS4/3/3//				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2630		2582	
Min Limit	1029		1077	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1690.609	1714.505	23.896
0	2	1628.204	1690.609	62.405
0	3	1628.204	1628.204	0.000
1E+12	30	1606.639	1745.341	138.703
1E+12	31	1655.989	1628.204	-27.785
1E+12	32	1655.989	1628.204	-27.785
1E+12	33	1661.660	1690.609	28.949
5E+12	34	1606.639	1606.639	0.000
5E+12	35	1606.639	1655.989	49.351
5E+12	36	1601.336	1606.639	5.302
5E+12	37	1601.336	1714.505	113.169
1E+13	38	1530.615	1555.144	24.529
1E+13	39	1606.639	1530.615	-76.024
1E+13	40	1606.639	1770.821	164.182
1E+13	41	1633.686	1628.204	-5.482
	Max	1690.609	1770.821	164.182
	Average	1621.388	1652.949	31.561
	Min	1530.615	1530.615	-76.024
	Std Dev	37.017	67.678	65.347

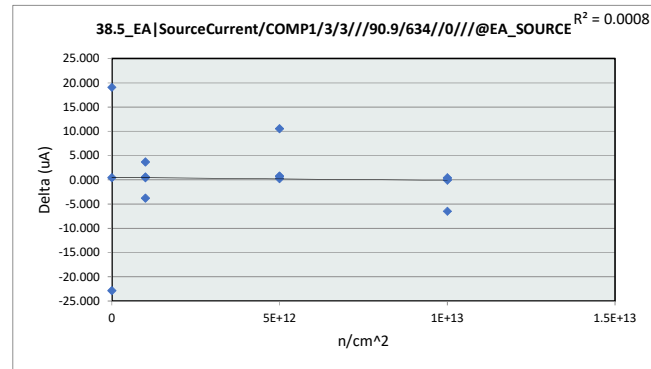


38.4_EA Transconductance/VSNS4/3/3//90.9/634//0///@EA_GM				
Test Site				
Tester				
Test Number				
Max Limit	2582		uSiemens	
Min Limit	1077		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1077.000	1077.000	1077.000	1077.000
Min	1628.204	1628.204	1606.639	1530.615
Average	1677.773	1673.090	1645.943	1621.196
Max	1714.505	1745.341	1714.505	1770.821
UL	2582.000	2582.000	2582.000	2582.000

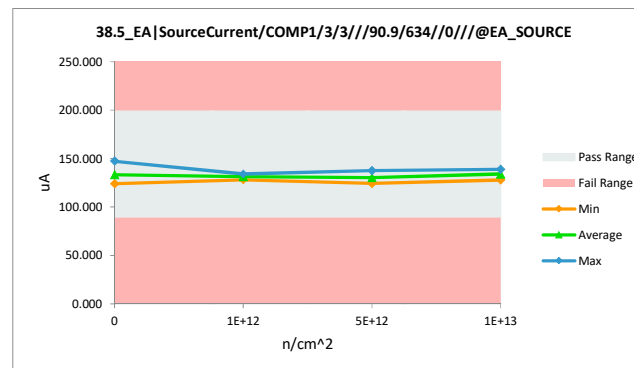


NDD Report TPS7H4102-SP

38.5_EA SourceCurrent/COMP1/3/3///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	88		89	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	146.949	124.090	-22.860
0	2	128.223	147.325	19.102
0	3	128.163	128.635	0.472
1E+12	30	129.776	133.487	3.711
1E+12	31	133.828	130.035	-3.794
1E+12	32	133.773	134.181	0.408
1E+12	33	127.551	128.128	0.577
5E+12	34	131.087	131.741	0.653
5E+12	35	124.233	124.499	0.265
5E+12	36	127.061	127.804	0.742
5E+12	37	126.949	137.469	10.520
1E+13	38	138.838	139.007	0.169
1E+13	39	134.518	128.043	-6.475
1E+13	40	134.645	134.540	-0.105
1E+13	41	134.566	135.004	0.438
	Max	146.949	147.325	19.102
	Average	132.011	132.266	0.255
	Min	124.233	124.090	-22.860
	Std Dev	5.741	6.081	8.739

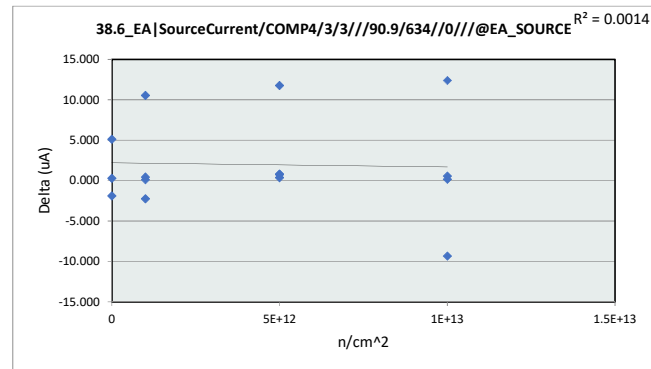


38.5_EA SourceCurrent/COMP1/3/3///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	89		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	124.090	128.128	124.499	128.043
Average	133.350	131.458	130.378	134.149
Max	147.325	134.181	137.469	139.007
UL	199.000	199.000	199.000	199.000

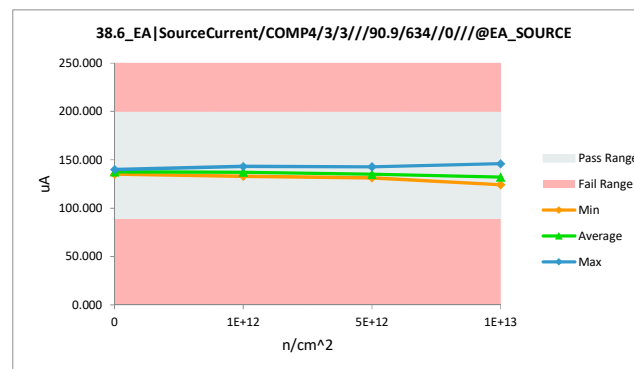


NDD Report TPS7H4102-SP

38.6_EA SourceCurrent/COMP4/3/3///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	88		89	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	139.754	137.839	-1.915
0	2	134.814	139.932	5.118
0	3	134.800	135.086	0.286
1E+12	30	132.756	143.285	10.529
1E+12	31	135.202	132.959	-2.243
1E+12	32	135.160	135.262	0.102
1E+12	33	136.309	136.736	0.427
5E+12	34	131.115	131.881	0.766
5E+12	35	133.704	134.486	0.783
5E+12	36	131.054	131.410	0.356
5E+12	37	131.003	142.779	11.776
1E+13	38	124.024	124.569	0.545
1E+13	39	133.548	124.217	-9.331
1E+13	40	133.649	146.023	12.374
1E+13	41	133.605	133.773	0.168
	Max	139.754	146.023	12.374
	Average	133.366	135.349	1.983
	Min	124.024	124.217	-9.331
	Std Dev	3.424	6.199	5.779

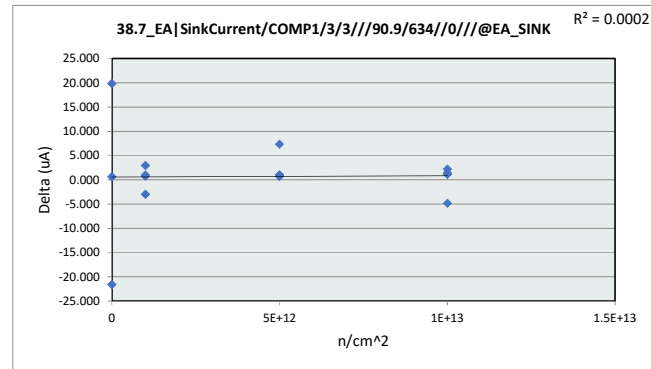


38.6_EA SourceCurrent/COMP4/3/3///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	89		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	135.086	132.959	131.410	124.217
Average	137.619	137.060	135.139	132.145
Max	139.932	143.285	142.779	146.023
UL	199.000	199.000	199.000	199.000

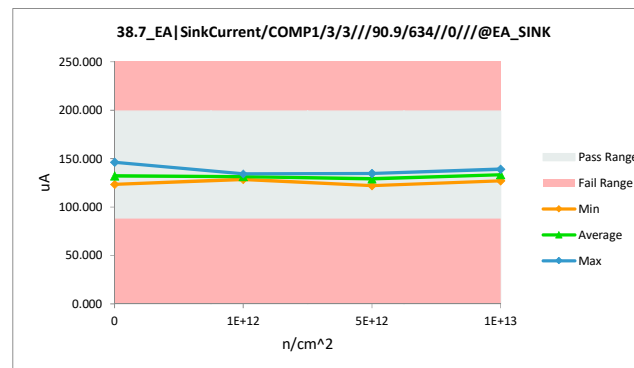


NDD Report TPS7H4102-SP

38.7_EA SinkCurrent/COMP1/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	87		88	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	145.098	123.494	-21.604
0	2	126.445	146.237	19.792
0	3	126.424	127.039	0.615
1E+12	30	129.604	132.560	2.956
1E+12	31	133.331	130.335	-2.996
1E+12	32	133.343	134.350	1.007
1E+12	33	127.770	128.513	0.743
5E+12	34	130.690	131.675	0.984
5E+12	35	121.389	122.083	0.694
5E+12	36	127.332	128.308	0.976
5E+12	37	127.345	134.681	7.336
1E+13	38	137.845	139.238	1.393
1E+13	39	131.939	127.095	-4.844
1E+13	40	131.896	134.114	2.217
1E+13	41	131.913	133.000	1.087
	Max	145.098	146.237	19.792
	Average	130.824	131.515	0.690
	Min	121.389	122.083	-21.604
	Std Dev	5.555	6.083	8.275

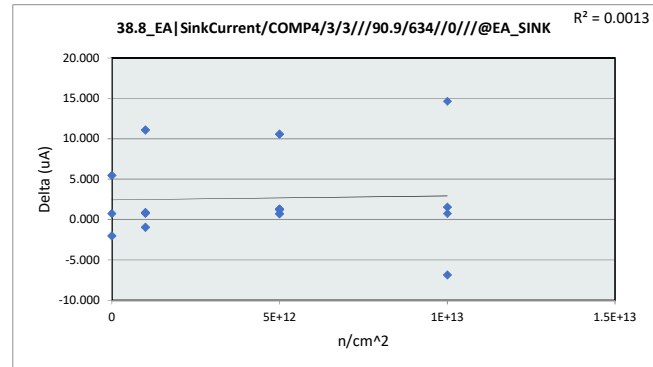


38.7_EA SinkCurrent/COMP1/				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	88		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	88.000	88.000	88.000	88.000
Min	123.494	128.513	122.083	127.095
Average	132.257	131.440	129.187	133.362
Max	146.237	134.350	134.681	139.238
UL	199.000	199.000	199.000	199.000

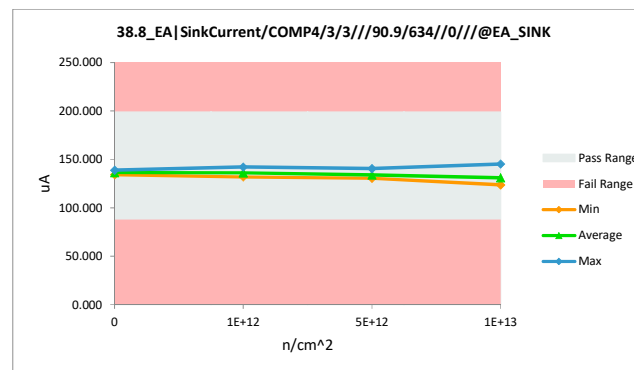


NDD Report TPS7H4102-SP

38.8_EA SinkCurrent/COMP4/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	87		88	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	138.008	135.978	-2.031
0	2	133.501	138.934	5.433
0	3	133.527	134.235	0.708
1E+12	30	131.146	142.192	11.046
1E+12	31	132.821	131.854	-0.967
1E+12	32	132.750	133.593	0.843
1E+12	33	136.037	136.806	0.770
5E+12	34	130.348	131.552	1.204
5E+12	35	132.151	133.434	1.283
5E+12	36	129.928	130.632	0.704
5E+12	37	129.986	140.548	10.562
1E+13	38	122.361	123.876	1.515
1E+13	39	130.634	123.760	-6.874
1E+13	40	130.583	145.209	14.626
1E+13	41	130.692	131.398	0.706
	Max	138.008	145.209	14.626
	Average	131.632	134.267	2.635
	Min	122.361	123.760	-6.874
	Std Dev	3.449	6.020	5.563

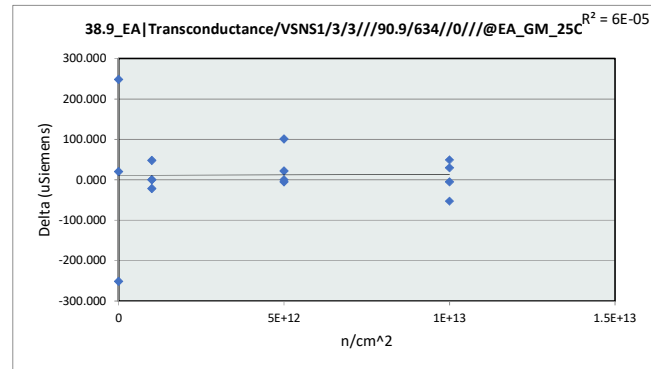


38.8_EA SinkCurrent/COMP4/				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	88		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	88.000	88.000	88.000	88.000
Min	134.235	131.854	130.632	123.761
Average	136.382	136.111	134.041	131.061
Max	138.934	142.192	140.548	145.209
UL	199.000	199.000	199.000	199.000

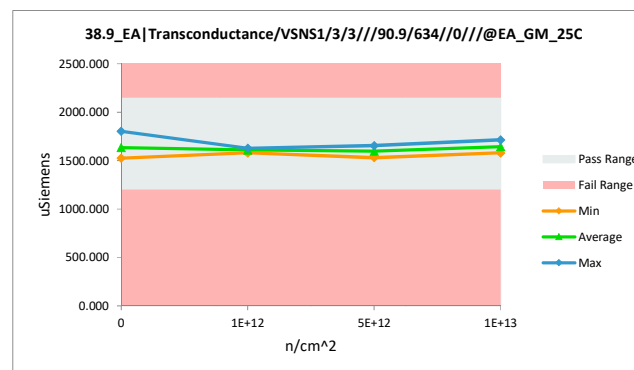


NDD Report TPS7H4102-SP

38.9_EA Transconductance/VSNS1/3/3//				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2191		2143	
Min Limit	1153		1201	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1777.307	1525.801	-251.506
0	2	1555.144	1803.735	248.592
0	3	1555.144	1575.340	20.197
1E+12	30	1580.472	1628.204	47.732
1E+12	31	1628.204	1606.639	-21.566
1E+12	32	1628.204	1628.204	0.000
1E+12	33	1580.472	1580.472	0.000
5E+12	34	1606.639	1628.204	21.566
5E+12	35	1530.615	1530.615	0.000
5E+12	36	1580.472	1575.340	-5.131
5E+12	37	1555.144	1655.989	100.846
1E+13	38	1684.739	1714.505	29.766
1E+13	39	1633.686	1580.472	-53.214
1E+13	40	1606.639	1655.989	49.351
1E+13	41	1633.686	1628.204	-5.482
	Max	1777.307	1803.735	248.592
	Average	1609.104	1621.181	12.077
	Min	1530.615	1525.801	-251.506
	Std Dev	61.713	70.551	101.017

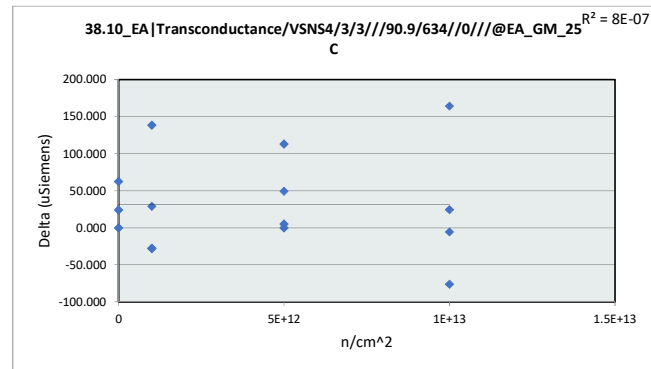


38.9_EA Transconductance/VSNS1/3/3//				
Test Site				
Tester				
Test Number				
Max Limit	2143		uSiemens	
Min Limit	1201		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1525.801	1580.472	1530.615	1580.472
Average	1634.959	1610.880	1597.537	1644.792
Max	1803.736	1628.204	1655.989	1714.505
UL	2143.000	2143.000	2143.000	2143.000

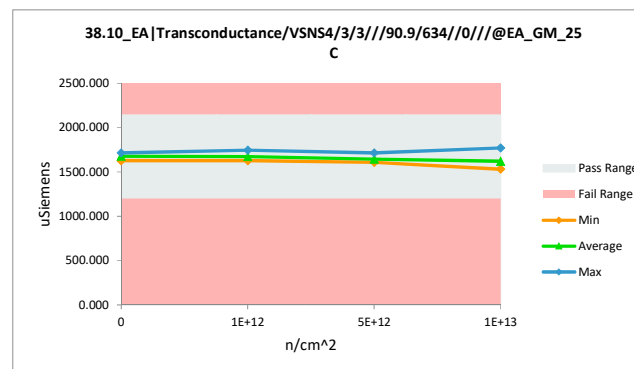


NDD Report TPS7H4102-SP

38.10_EA Transconductance/VSNS4/3/3/				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2191		2143	
Min Limit	1153		1201	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1690.609	1714.505	23.896
0	2	1628.204	1690.609	62.405
0	3	1628.204	1628.204	0.000
1E+12	30	1606.639	1745.341	138.703
1E+12	31	1655.989	1628.204	-27.785
1E+12	32	1655.989	1628.204	-27.785
1E+12	33	1661.660	1690.609	28.949
5E+12	34	1606.639	1606.639	0.000
5E+12	35	1606.639	1655.989	49.351
5E+12	36	1601.336	1606.639	5.302
5E+12	37	1601.336	1714.505	113.169
1E+13	38	1530.615	1555.144	24.529
1E+13	39	1606.639	1530.615	-76.024
1E+13	40	1606.639	1770.821	164.182
1E+13	41	1633.686	1628.204	-5.482
	Max	1690.609	1770.821	164.182
	Average	1621.388	1652.949	31.561
	Min	1530.615	1530.615	-76.024
	Std Dev	37.017	67.678	65.347

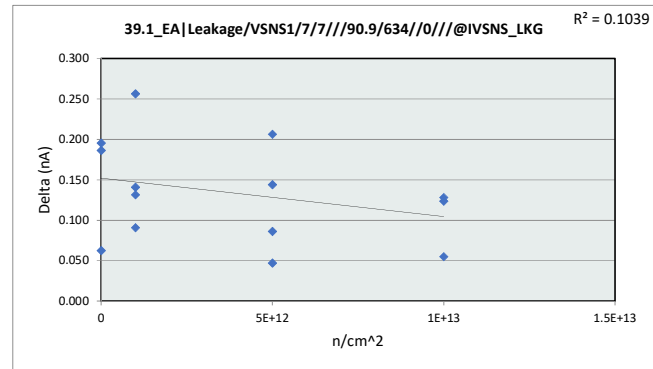


38.10_EA Transconductance/V				
Test Site				
Tester				
Test Number				
Max Limit	2143		uSiemens	
Min Limit	1201		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1628.204	1628.204	1606.639	1530.615
Average	1677.773	1673.090	1645.943	1621.196
Max	1714.505	1745.341	1714.505	1770.821
UL	2143.000	2143.000	2143.000	2143.000

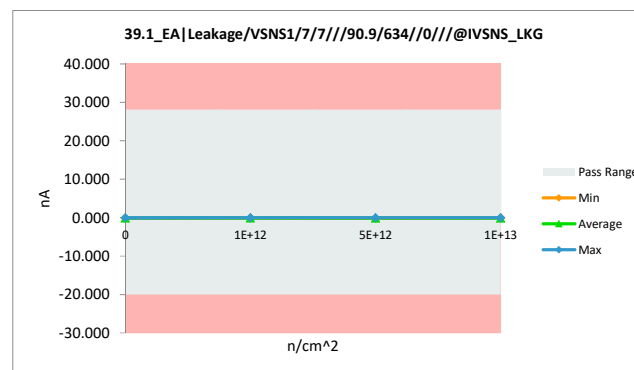


NDD Report TPS7H4102-SP

39.1_EA Leakage/VSNS1/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	-0.247	-0.061	0.186
0	2	-0.188	-0.125	0.063
0	3	-0.256	-0.061	0.196
1E+12	30	-0.197	-0.106	0.091
1E+12	31	-0.186	-0.045	0.141
1E+12	32	-0.191	-0.059	0.131
1E+12	33	-0.249	0.008	0.256
5E+12	34	-0.167	-0.081	0.086
5E+12	35	-0.180	-0.133	0.047
5E+12	36	-0.209	-0.065	0.144
5E+12	37	-0.216	-0.009	0.207
1E+13	38	-0.202	-0.073	0.128
1E+13	39	-0.169	-0.114	0.055
1E+13	40	-0.180	-0.056	0.124
1E+13	41	-0.191	-0.067	0.124
	Max	-0.167	0.008	0.256
	Average	-0.202	-0.070	0.132
	Min	-0.256	-0.133	0.047
	Std Dev	0.029	0.039	0.060

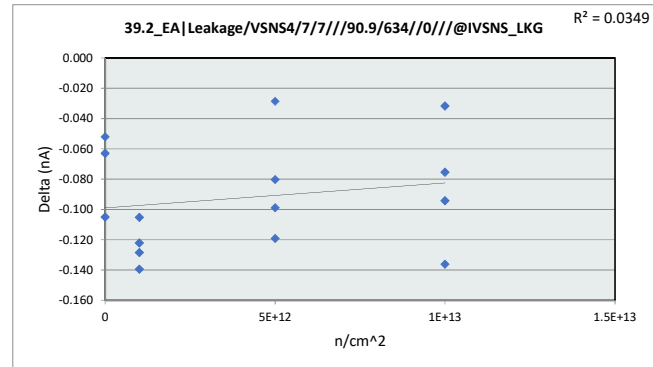


39.1_EA Leakage/VSNS1/7/7				
Test Site				
Tester				
Test Number				
Max Limit	28	nA		
Min Limit	-20	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.125	-0.106	-0.133	-0.114
Average	-0.082	-0.051	-0.072	-0.078
Max	-0.061	0.008	-0.009	-0.056
UL	28.000	28.000	28.000	28.000

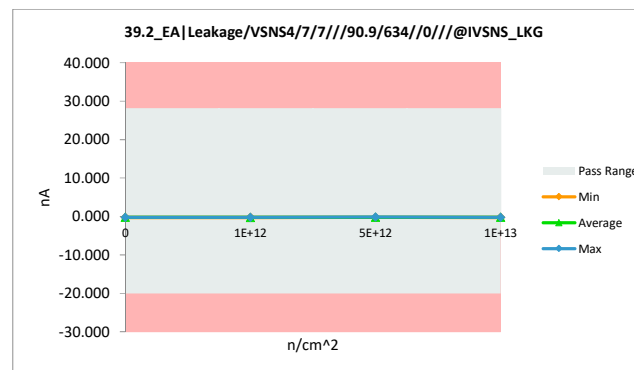


NDD Report TPS7H4102-SP

39.2_EA Leakage/VSNS4/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	-0.145	-0.197	-0.052
0	2	-0.145	-0.250	-0.105
0	3	-0.128	-0.191	-0.063
1E+12	30	-0.117	-0.245	-0.128
1E+12	31	-0.078	-0.217	-0.139
1E+12	32	-0.142	-0.264	-0.122
1E+12	33	-0.089	-0.194	-0.105
5E+12	34	-0.075	-0.155	-0.080
5E+12	35	-0.100	-0.198	-0.099
5E+12	36	-0.175	-0.203	-0.029
5E+12	37	-0.117	-0.236	-0.119
1E+13	38	-0.114	-0.208	-0.094
1E+13	39	-0.201	-0.233	-0.032
1E+13	40	-0.106	-0.242	-0.136
1E+13	41	-0.140	-0.216	-0.075
	Max	-0.075	-0.155	-0.029
	Average	-0.125	-0.216	-0.092
	Min	-0.201	-0.264	-0.139
	Std Dev	0.035	0.029	0.036

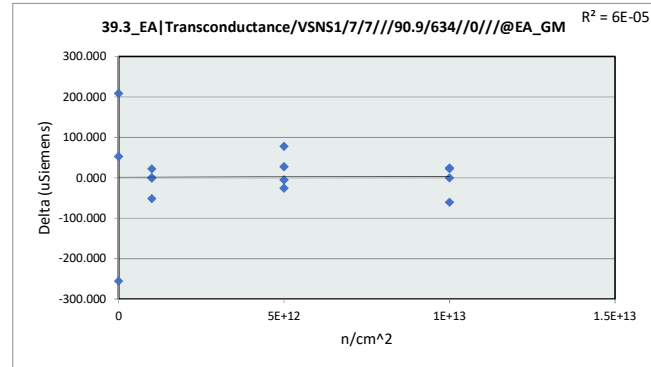


39.2_EA Leakage/VSNS4/7/7				
Test Site				
Tester				
Test Number				
Max Limit	28	nA		
Min Limit	-20	nA		
n/cm ²	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.250	-0.264	-0.236	-0.242
Average	-0.212	-0.230	-0.198	-0.225
Max	-0.191	-0.194	-0.155	-0.208
UL	28.000	28.000	28.000	28.000

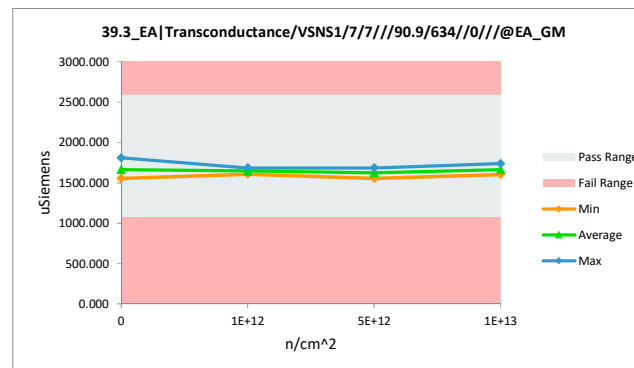


NDD Report TPS7H4102-SP

39.3_EA Transconductance/VSNS1/7/7//				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2630		2582	
Min Limit	1029		1077	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1810.466	1555.144	-255.322
0	2	1601.336	1810.466	209.130
0	3	1575.340	1628.204	52.864
1E+12	30	1633.686	1655.989	22.303
1E+12	31	1684.739	1633.686	-51.053
1E+12	32	1684.739	1684.739	0.000
1E+12	33	1606.639	1606.639	0.000
5E+12	34	1628.204	1655.989	27.785
5E+12	35	1580.472	1555.144	-25.328
5E+12	36	1606.639	1601.336	-5.302
5E+12	37	1606.639	1684.739	78.100
1E+13	38	1714.505	1739.085	24.581
1E+13	39	1661.660	1601.336	-60.324
1E+13	40	1661.660	1661.660	0.000
1E+13	41	1633.686	1655.989	22.303
	Max	1810.466	1810.466	209.130
	Average	1646.027	1648.676	2.649
	Min	1575.340	1555.144	-255.322
	Std Dev	60.818	66.370	95.244

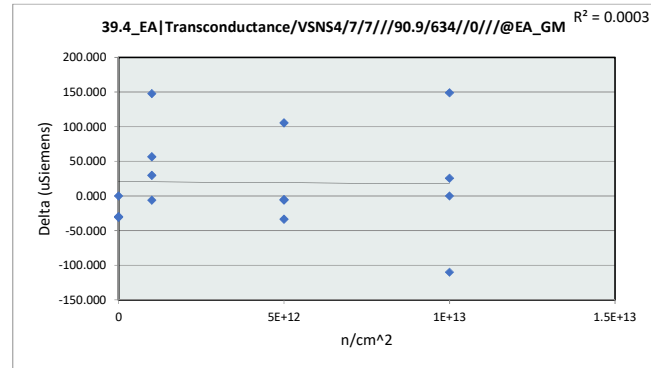


39.3_EA Transconductance/VSNS1/7/7//90.9/634//0///@EA_GM				
Test Site				
Tester				
Test Number				
Max Limit	2582		uSiemens	
Min Limit	1077		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1077.000	1077.000	1077.000	1077.000
Min	1555.144	1606.639	1555.144	1601.336
Average	1664.605	1645.263	1624.302	1664.518
Max	1810.466	1684.739	1684.739	1739.085
UL	2582.000	2582.000	2582.000	2582.000

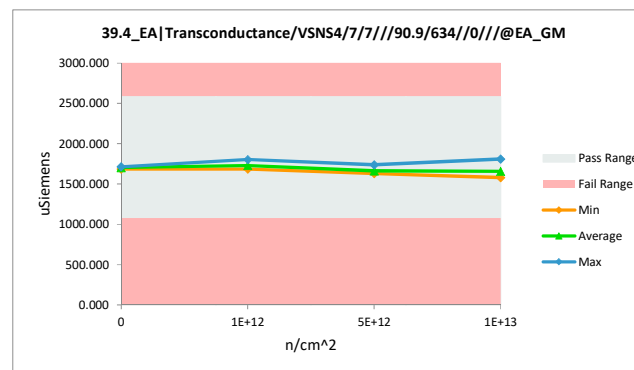


NDD Report TPS7H4102-SP

39.4_EA Transconductance/VSNS4/7/7//				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2630		2582	
Min Limit	1029		1077	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1745.341	1714.505	-30.836
0	2	1714.505	1714.505	0.000
0	3	1714.505	1684.739	-29.766
1E+12	30	1655.989	1803.735	147.746
1E+12	31	1628.204	1684.739	56.535
1E+12	32	1684.739	1714.505	29.766
1E+12	33	1720.584	1714.505	-6.080
5E+12	34	1633.686	1628.204	-5.482
5E+12	35	1661.660	1655.989	-5.671
5E+12	36	1661.660	1628.204	-33.456
5E+12	37	1633.686	1739.085	105.399
1E+13	38	1555.144	1580.472	25.328
1E+13	39	1690.609	1580.472	-110.137
1E+13	40	1661.660	1810.466	148.805
1E+13	41	1661.660	1661.660	0.000
	Max	1745.341	1810.466	148.805
	Average	1668.242	1687.719	19.477
	Min	1555.144	1580.472	-110.137
	Std Dev	46.937	68.570	70.356

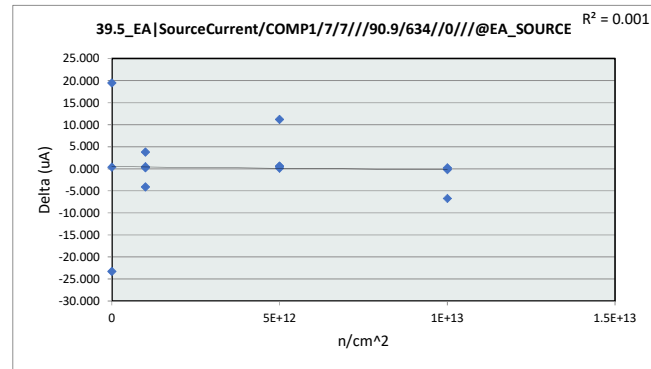


39.4_EA Transconductance/VSNS4/7/7//90.9/634//0//@EA_GM				
Test Site				
Tester				
Test Number				
Max Limit	2582		uSiemens	
Min Limit	1077		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1077.000	1077.000	1077.000	1077.000
Min	1684.739	1684.739	1628.204	1580.472
Average	1704.583	1729.371	1662.871	1658.267
Max	1714.505	1803.736	1739.085	1810.466
UL	2582.000	2582.000	2582.000	2582.000

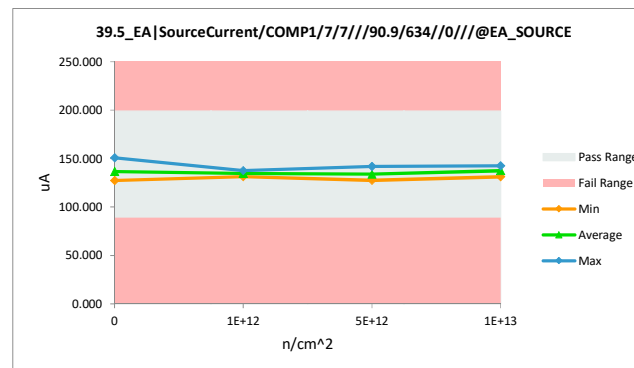


NDD Report TPS7H4102-SP

39.5_EA SourceCurrent/COMP1/7/7///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	88		89	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	150.604	127.321	-23.284
0	2	131.439	150.901	19.462
0	3	131.398	131.750	0.352
1E+12	30	133.018	136.816	3.798
1E+12	31	137.445	133.352	-4.094
1E+12	32	137.387	137.665	0.279
1E+12	33	130.836	131.307	0.471
5E+12	34	134.378	134.897	0.519
5E+12	35	127.489	127.636	0.147
5E+12	36	130.658	131.279	0.620
5E+12	37	130.636	141.852	11.216
1E+13	38	142.805	142.568	-0.237
1E+13	39	137.987	131.296	-6.691
1E+13	40	138.035	137.984	-0.051
1E+13	41	137.987	138.221	0.233
	Max	150.604	150.901	19.462
	Average	135.474	135.656	0.183
	Min	127.489	127.321	-23.284
	Std Dev	5.864	6.256	8.958

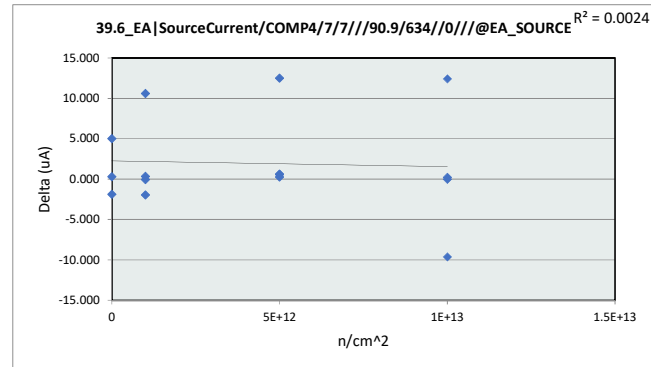


39.5_EA SourceCurrent/COMP1/7/7///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	89		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	127.321	131.307	127.636	131.296
Average	136.657	134.785	133.916	137.517
Max	150.901	137.665	141.852	142.568
UL	199.000	199.000	199.000	199.000

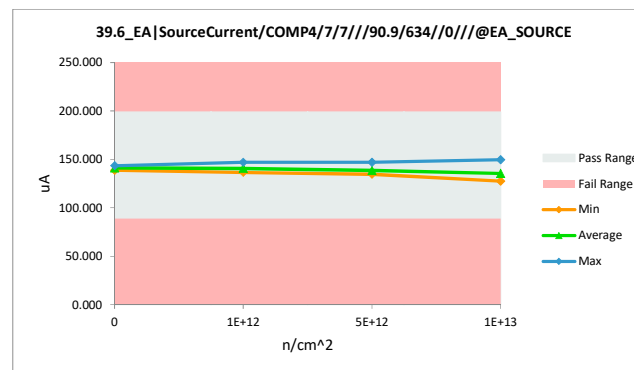


NDD Report TPS7H4102-SP

39.6_EA SourceCurrent/COMP4/7/7///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	88		89	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	143.338	141.443	-1.895
0	2	138.512	143.528	5.016
0	3	138.456	138.740	0.284
1E+12	30	136.430	147.035	10.605
1E+12	31	138.557	136.589	-1.968
1E+12	32	138.683	138.623	-0.059
1E+12	33	139.870	140.212	0.343
5E+12	34	134.562	135.147	0.584
5E+12	35	137.335	137.941	0.606
5E+12	36	134.445	134.720	0.275
5E+12	37	134.436	146.924	12.488
1E+13	38	127.554	127.768	0.214
1E+13	39	137.233	127.606	-9.627
1E+13	40	137.353	149.742	12.388
1E+13	41	137.191	137.163	-0.029
	Max	143.338	149.742	12.488
	Average	136.930	138.879	1.948
	Min	127.554	127.606	-9.627
	Std Dev	3.453	6.381	5.924

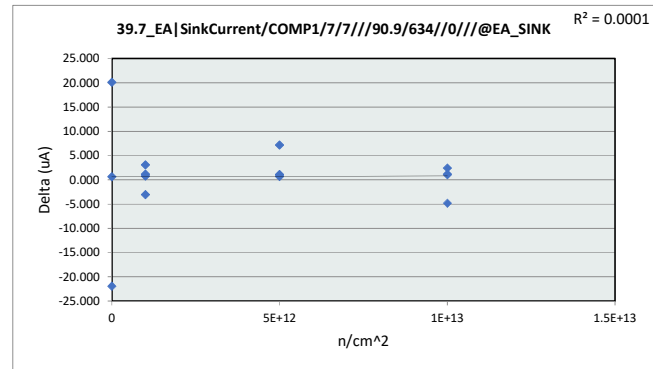


39.6_EA SourceCurrent/COMP4/7/7///90.9/634//0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	89		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	138.740	136.589	134.720	127.606
Average	141.237	140.615	138.683	135.570
Max	143.528	147.035	146.924	149.742
UL	199.000	199.000	199.000	199.000

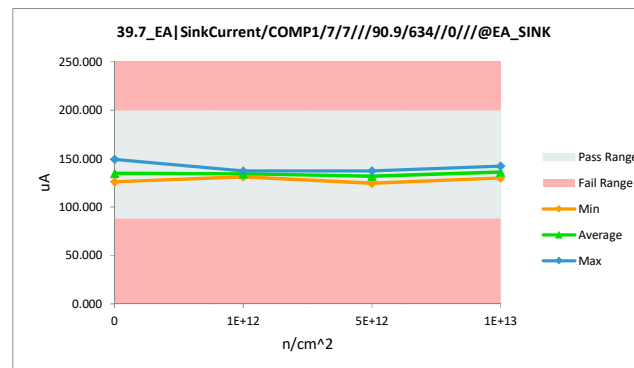


NDD Report TPS7H4102-SP

39.7_EA SinkCurrent/COMP1/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	87		88	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	148.093	126.151	-21.942
0	2	129.028	149.122	20.094
0	3	129.001	129.638	0.637
1E+12	30	132.255	135.348	3.093
1E+12	31	136.133	133.065	-3.068
1E+12	32	136.118	137.268	1.149
1E+12	33	130.423	131.202	0.779
5E+12	34	133.359	134.348	0.990
5E+12	35	123.967	124.624	0.657
5E+12	36	130.240	131.296	1.057
5E+12	37	130.168	137.336	7.168
1E+13	38	140.978	142.185	1.207
1E+13	39	134.679	129.871	-4.809
1E+13	40	134.612	137.031	2.419
1E+13	41	134.669	135.722	1.052
	Max	148.093	149.122	20.094
	Average	133.582	134.280	0.699
	Min	123.967	124.624	-21.942
	Std Dev	5.672	6.164	8.386

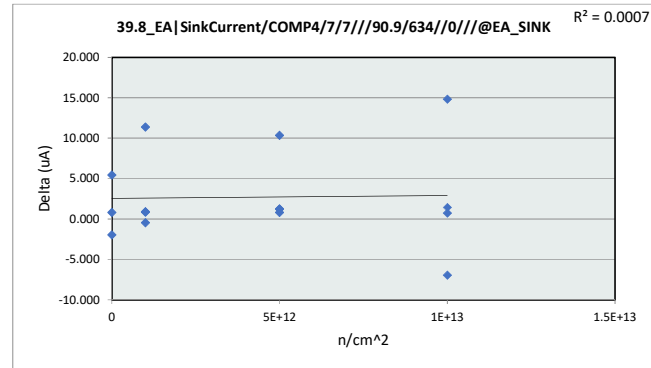


39.7_EA SinkCurrent/COMP1/				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	88		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	88.000	88.000	88.000	88.000
Min	126.151	131.202	124.624	129.871
Average	134.970	134.221	131.901	136.202
Max	149.122	137.268	137.336	142.185
UL	199.000	199.000	199.000	199.000

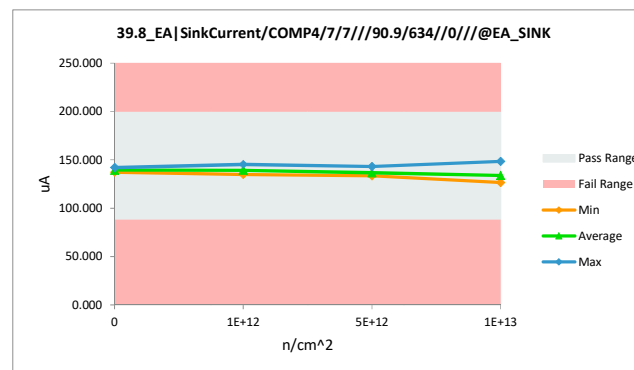


NDD Report TPS7H4102-SP

39.8_EA SinkCurrent/COMP4/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	200		199	
Min Limit	87		88	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	140.967	138.995	-1.971
0	2	136.492	141.927	5.435
0	3	136.536	137.337	0.801
1E+12	30	133.995	145.346	11.352
1E+12	31	135.357	134.878	-0.478
1E+12	32	135.495	136.409	0.914
1E+12	33	138.917	139.747	0.831
5E+12	34	133.014	134.249	1.236
5E+12	35	135.080	136.331	1.251
5E+12	36	132.572	133.389	0.817
5E+12	37	132.599	142.950	10.351
1E+13	38	125.123	126.534	1.411
1E+13	39	133.546	126.603	-6.943
1E+13	40	133.502	148.335	14.833
1E+13	41	133.563	134.303	0.740
	Max	140.967	148.335	14.833
	Average	134.450	137.156	2.705
	Min	125.123	126.534	-6.943
	Std Dev	3.505	6.094	5.584

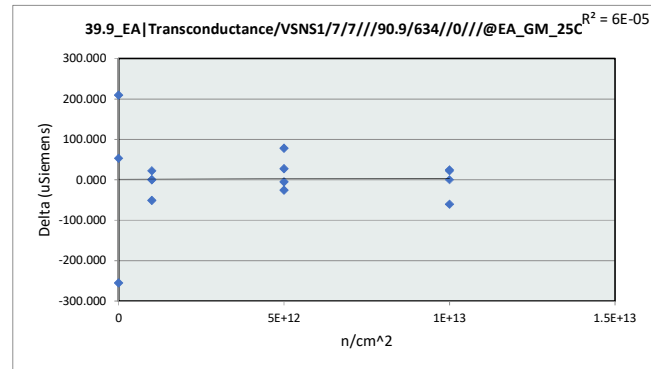


39.8_EA SinkCurrent/COMP4/				
Test Site				
Tester				
Test Number				
Max Limit	199		uA	
Min Limit	88		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	88.000	88.000	88.000	88.000
Min	137.337	134.879	133.389	126.534
Average	139.420	139.095	136.730	133.944
Max	141.927	145.346	142.950	148.335
UL	199.000	199.000	199.000	199.000

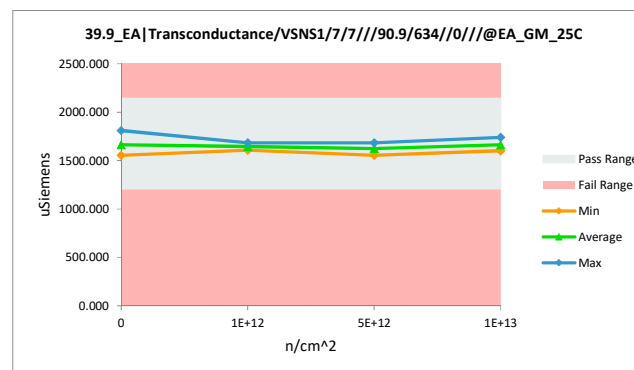


NDD Report TPS7H4102-SP

39.9_EA Transconductance/VSNS1/7/7/				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2191		2143	
Min Limit	1153		1201	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1810.466	1555.144	-255.322
0	2	1601.336	1810.466	209.130
0	3	1575.340	1628.204	52.864
1E+12	30	1633.686	1655.989	22.303
1E+12	31	1684.739	1633.686	-51.053
1E+12	32	1684.739	1684.739	0.000
1E+12	33	1606.639	1606.639	0.000
5E+12	34	1628.204	1655.989	27.785
5E+12	35	1580.472	1555.144	-25.328
5E+12	36	1606.639	1601.336	-5.302
5E+12	37	1606.639	1684.739	78.100
1E+13	38	1714.505	1739.085	24.581
1E+13	39	1661.660	1601.336	-60.324
1E+13	40	1661.660	1661.660	0.000
1E+13	41	1633.686	1655.989	22.303
	Max	1810.466	1810.466	209.130
	Average	1646.027	1648.676	2.649
	Min	1575.340	1555.144	-255.322
	Std Dev	60.818	66.370	95.244

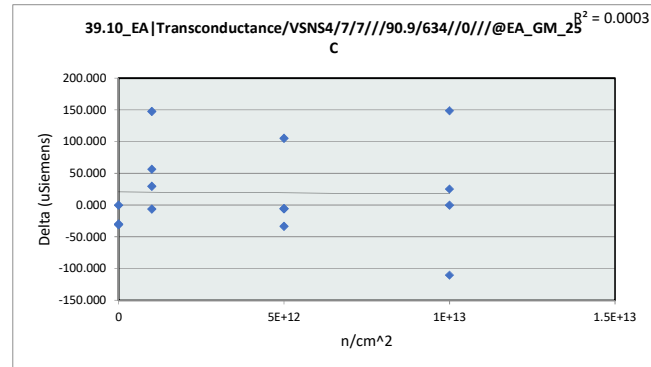


39.9_EA Transconductance/VSNS1/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	2143		uSiemens	
Min Limit	1201		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1555.144	1606.639	1555.144	1601.336
Average	1664.605	1645.263	1624.302	1664.518
Max	1810.466	1684.739	1684.739	1739.085
UL	2143.000	2143.000	2143.000	2143.000

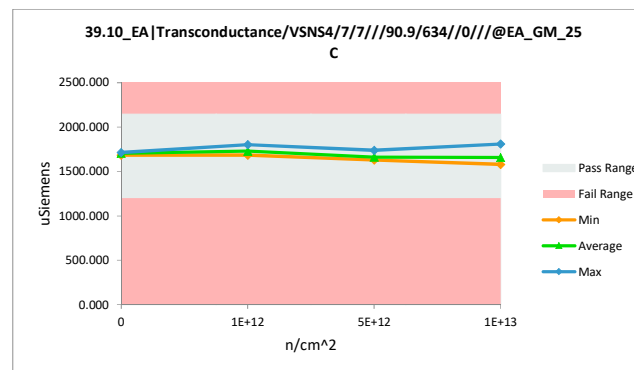


NDD Report TPS7H4102-SP

39.10_EA Transconductance/VSNS4/7/7/				
Test Site				
Tester				
Test Number				
Unit	uSiemens		uSiemens	
Max Limit	2191		2143	
Min Limit	1153		1201	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1745.341	1714.505	-30.836
0	2	1714.505	1714.505	0.000
0	3	1714.505	1684.739	-29.766
1E+12	30	1655.989	1803.735	147.746
1E+12	31	1628.204	1684.739	56.535
1E+12	32	1684.739	1714.505	29.766
1E+12	33	1720.584	1714.505	-6.080
5E+12	34	1633.686	1628.204	-5.482
5E+12	35	1661.660	1655.989	-5.671
5E+12	36	1661.660	1628.204	-33.456
5E+12	37	1633.686	1739.085	105.399
1E+13	38	1555.144	1580.472	25.328
1E+13	39	1690.609	1580.472	-110.137
1E+13	40	1661.660	1810.466	148.805
1E+13	41	1661.660	1661.660	0.000
	Max	1745.341	1810.466	148.805
	Average	1668.242	1687.719	19.477
	Min	1555.144	1580.472	-110.137
	Std Dev	46.937	68.570	70.356

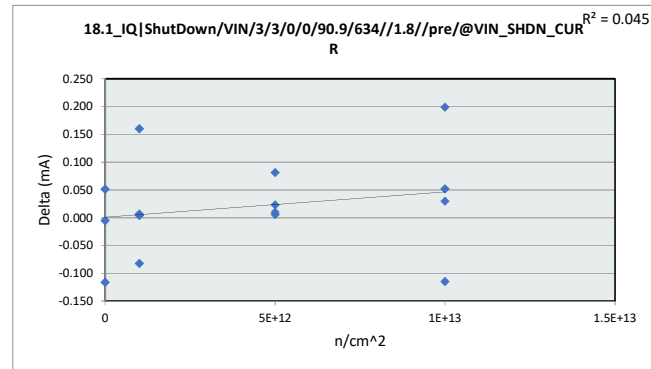


39.10_EA Transconductance/V				
Test Site				
Tester				
Test Number				
Max Limit	2143		uSiemens	
Min Limit	1201		uSiemens	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1684.739	1684.739	1628.204	1580.472
Average	1704.583	1729.371	1662.871	1658.267
Max	1714.505	1803.736	1739.085	1810.466
UL	2143.000	2143.000	2143.000	2143.000

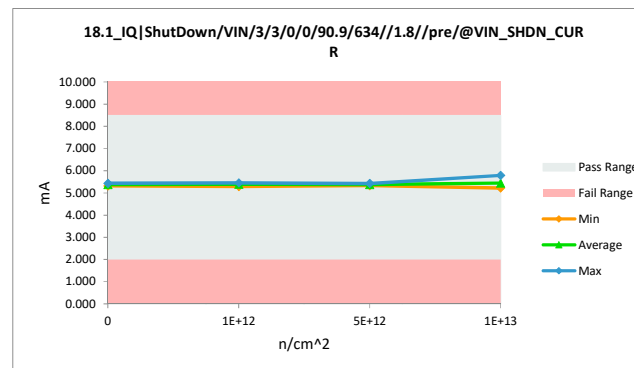


NDD Report TPS7H4102-SP

18.1_IQ ShutDown/VIN/3/3/0/0/90.9/6				
Test Site				
Tester				
Test Number				
Unit	mA		mA	
Max Limit	8.5		8.482	
Min Limit	0.7036		2	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.434	5.318	-0.116
0	2	5.384	5.436	0.051
0	3	5.384	5.379	-0.005
1E+12	30	5.290	5.450	0.160
1E+12	31	5.375	5.293	-0.082
1E+12	32	5.377	5.381	0.004
1E+12	33	5.427	5.433	0.006
5E+12	34	5.410	5.420	0.010
5E+12	35	5.306	5.329	0.023
5E+12	36	5.342	5.348	0.006
5E+12	37	5.341	5.422	0.081
1E+13	38	5.589	5.788	0.199
1E+13	39	5.336	5.221	-0.115
1E+13	40	5.336	5.388	0.052
1E+13	41	5.336	5.366	0.030
	Max	5.589	5.788	0.199
	Average	5.378	5.398	0.020
	Min	5.290	5.221	-0.116
	Std Dev	0.072	0.124	0.087

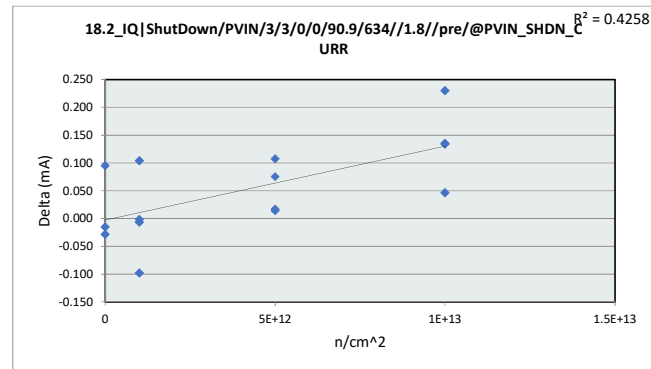


18.1_IQ ShutDown/VIN/3/3/				
Test Site				
Tester				
Test Number				
Max Limit	8.482		mA	
Min Limit	2		mA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.000	2.000	2.000	2.000
Min	5.318	5.293	5.329	5.221
Average	5.378	5.389	5.380	5.441
Max	5.436	5.450	5.422	5.788
UL	8.482	8.482	8.482	8.482

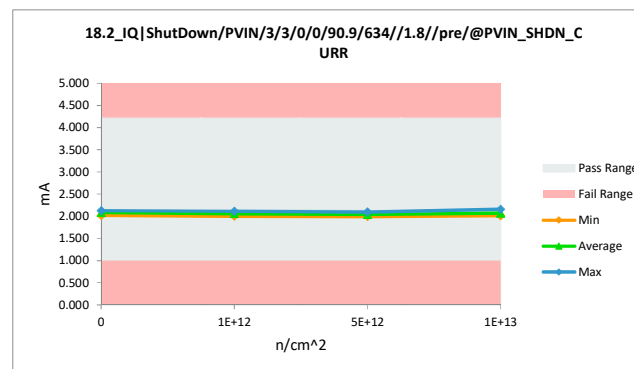


NDD Report TPS7H4102-SP

18.2_IQ ShutDown/PVIN/3/3/0/0/90.9/				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	4.3	4.216		
Min Limit	0.3568	1		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.133	2.105	-0.028
0	2	2.029	2.125	0.095
0	3	2.031	2.016	-0.015
1E+12	30	2.117	2.019	-0.098
1E+12	31	2.009	2.113	0.104
1E+12	32	2.009	2.003	-0.006
1E+12	33	2.104	2.103	-0.001
5E+12	34	1.977	1.991	0.014
5E+12	35	1.987	2.094	0.107
5E+12	36	1.993	2.010	0.017
5E+12	37	1.993	2.069	0.076
1E+13	38	2.112	2.159	0.047
1E+13	39	1.878	2.109	0.230
1E+13	40	1.877	2.013	0.135
1E+13	41	1.877	2.011	0.134
	Max	2.133	2.159	0.230
	Average	2.009	2.063	0.054
	Min	1.877	1.991	-0.098
	Std Dev	0.085	0.055	0.083

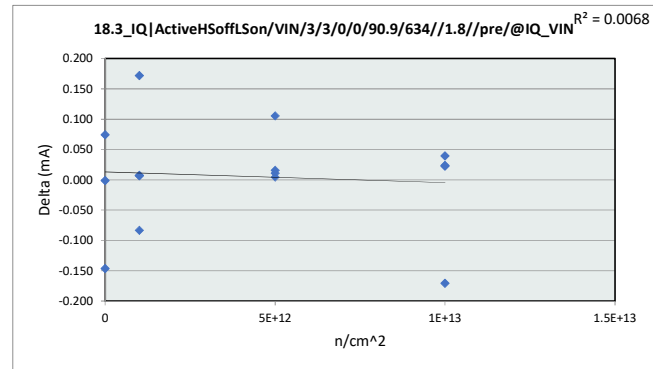


18.2_IQ ShutDown/PVIN/3/3/				
Test Site				
Tester				
Test Number				
Max Limit	4.216	mA		
Min Limit	1	mA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	2.016	2.003	1.991	2.011
Average	2.082	2.060	2.041	2.073
Max	2.125	2.113	2.094	2.159
UL	4.216	4.216	4.216	4.216

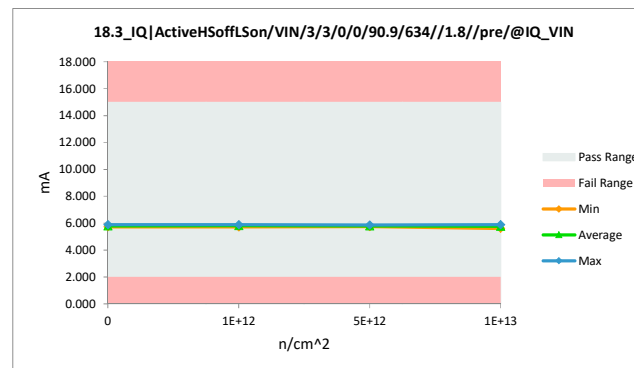


NDD Report TPS7H4102-SP

18.3_IQ ActiveHSoffLSon/VIN/3/3/0/0/3				
Test Site				
Tester				
Test Number				
Unit	mA		mA	
Max Limit	15		14.988	
Min Limit	-0.5976		2	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.880	5.733	-0.147
0	2	5.808	5.882	0.074
0	3	5.805	5.804	-0.001
1E+12	30	5.714	5.885	0.172
1E+12	31	5.799	5.716	-0.083
1E+12	32	5.798	5.805	0.007
1E+12	33	5.879	5.887	0.007
5E+12	34	5.856	5.867	0.011
5E+12	35	5.736	5.752	0.016
5E+12	36	5.751	5.755	0.005
5E+12	37	5.751	5.856	0.105
1E+13	38	5.874	5.898	0.024
1E+13	39	5.785	5.614	-0.171
1E+13	40	5.787	5.826	0.040
1E+13	41	5.786	5.809	0.023
	Max	5.880	5.898	0.172
	Average	5.801	5.806	0.005
	Min	5.714	5.614	-0.171
	Std Dev	0.052	0.080	0.087

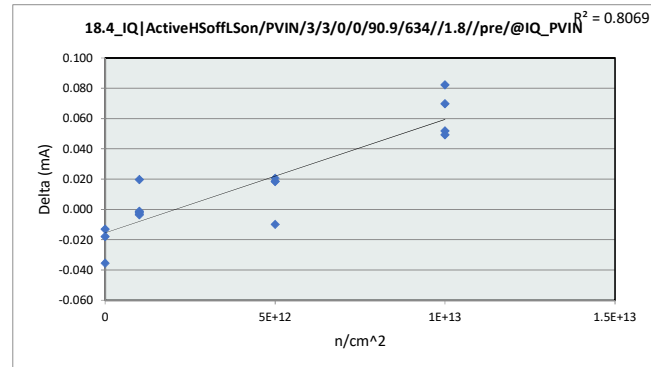


18.3_IQ ActiveHSoffLSon/VIN				
Test Site				
Tester				
Test Number				
Max Limit	14.988		mA	
Min Limit	2		mA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.000	2.000	2.000	2.000
Min	5.733	5.716	5.752	5.614
Average	5.807	5.823	5.808	5.787
Max	5.882	5.887	5.867	5.898
UL	14.988	14.988	14.988	14.988

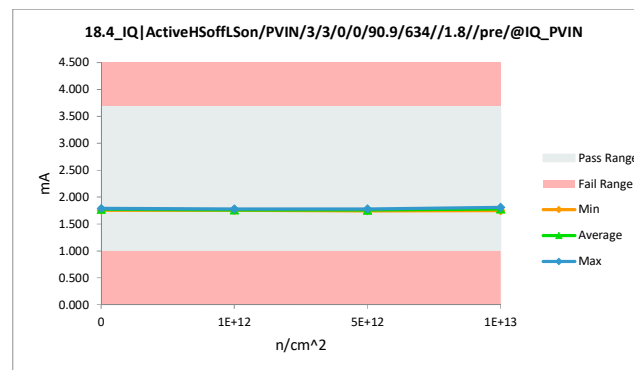


NDD Report TPS7H4102-SP

18.4_IQ ActiveHSoffLSON/PVIN/3/3/0/0				
Test Site				
Tester				
Test Number				
Unit	mA		mA	
Max Limit	3.7		3.682	
Min Limit	0.4636		1	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.790	1.755	-0.035
0	2	1.801	1.783	-0.018
0	3	1.802	1.789	-0.013
1E+12	30	1.758	1.778	0.020
1E+12	31	1.757	1.755	-0.002
1E+12	32	1.757	1.754	-0.004
1E+12	33	1.766	1.765	-0.001
5E+12	34	1.727	1.746	0.018
5E+12	35	1.742	1.761	0.019
5E+12	36	1.760	1.781	0.021
5E+12	37	1.760	1.750	-0.010
1E+13	38	1.759	1.811	0.052
1E+13	39	1.701	1.770	0.070
1E+13	40	1.701	1.783	0.082
1E+13	41	1.701	1.751	0.049
	Max	1.802	1.811	0.082
	Average	1.752	1.769	0.016
	Min	1.701	1.746	-0.035
	Std Dev	0.033	0.018	0.034

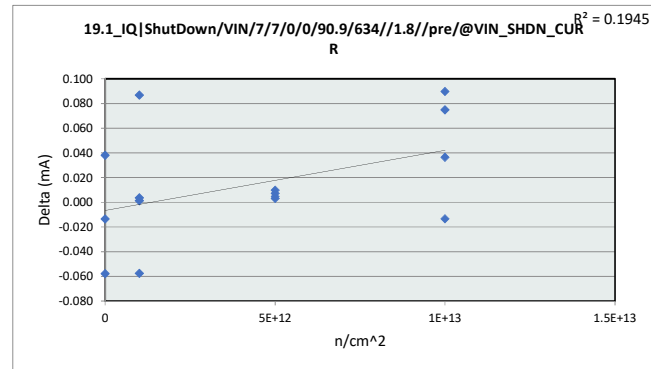


18.4_IQ ActiveHSoffLSON/PVIN/3/3/0/0/90.9/634//1.8//pre/@IQ_PVIN				
Test Site				
Tester				
Test Number				
Max Limit	3.682		mA	
Min Limit	1		mA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	1.755	1.754	1.746	1.751
Average	1.775	1.763	1.759	1.779
Max	1.789	1.778	1.781	1.811
UL	3.682	3.682	3.682	3.682

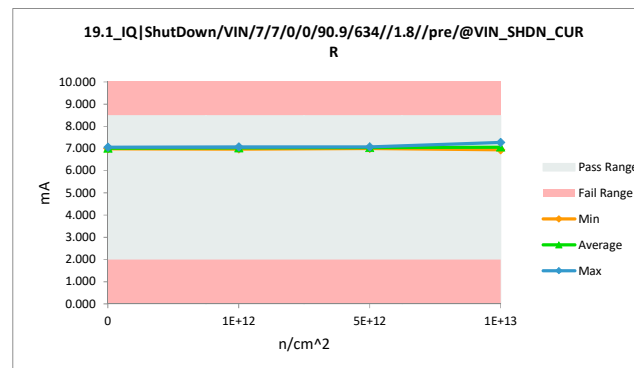


NDD Report TPS7H4102-SP

19.1_IQ ShutDown/VIN/7/7/0/0/90.9/6				
Test Site				
Tester				
Test Number				
Unit	mA		mA	
Max Limit	8.5		8.482	
Min Limit	0.7036		2	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	7.055	6.997	-0.058
0	2	7.018	7.056	0.038
0	3	7.018	7.004	-0.014
1E+12	30	6.981	7.068	0.087
1E+12	31	7.036	6.978	-0.058
1E+12	32	7.036	7.037	0.001
1E+12	33	7.035	7.039	0.004
5E+12	34	7.068	7.075	0.007
5E+12	35	6.994	7.004	0.010
5E+12	36	7.030	7.035	0.005
5E+12	37	7.034	7.037	0.003
1E+13	38	7.200	7.275	0.075
1E+13	39	6.955	6.942	-0.013
1E+13	40	6.955	7.044	0.090
1E+13	41	6.955	6.992	0.036
	Max	7.200	7.275	0.090
	Average	7.025	7.039	0.014
	Min	6.955	6.942	-0.058
	Std Dev	0.061	0.075	0.045

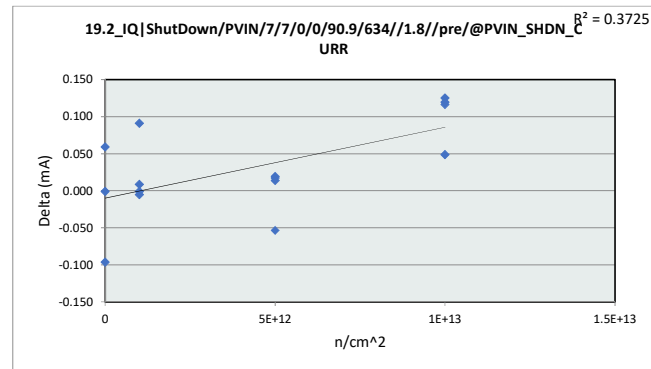


19.1_IQ ShutDown/VIN/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	8.482		mA	
Min Limit	2		mA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.000	2.000	2.000	2.000
Min	6.997	6.978	7.004	6.942
Average	7.019	7.031	7.038	7.063
Max	7.056	7.068	7.075	7.275
UL	8.482	8.482	8.482	8.482

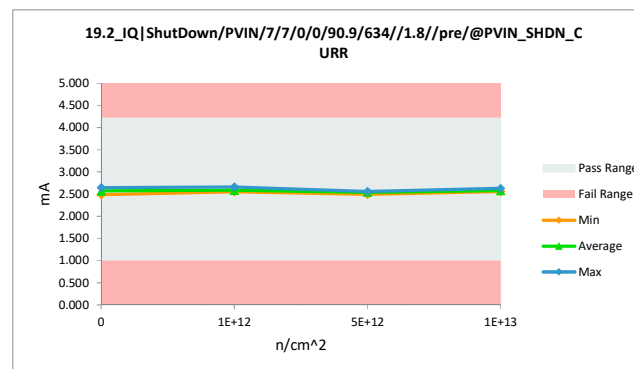


NDD Report TPS7H4102-SP

19.2_IQ ShutDown/PVIN/7/7/0/0/90.9/				
Test Site				
Tester				
Test Number				
Unit	mA	mA		
Max Limit	4.3	4.216		
Min Limit	0.3568	1		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.587	2.646	0.059
0	2	2.584	2.583	-0.001
0	3	2.584	2.488	-0.097
1E+12	30	2.570	2.661	0.091
1E+12	31	2.557	2.566	0.009
1E+12	32	2.559	2.553	-0.005
1E+12	33	2.569	2.568	-0.001
5E+12	34	2.537	2.557	0.019
5E+12	35	2.542	2.556	0.014
5E+12	36	2.545	2.562	0.017
5E+12	37	2.549	2.496	-0.053
1E+13	38	2.580	2.629	0.049
1E+13	39	2.441	2.561	0.119
1E+13	40	2.443	2.559	0.116
1E+13	41	2.442	2.567	0.125
	Max	2.587	2.661	0.125
	Average	2.539	2.570	0.031
	Min	2.441	2.488	-0.097
	Std Dev	0.053	0.047	0.064

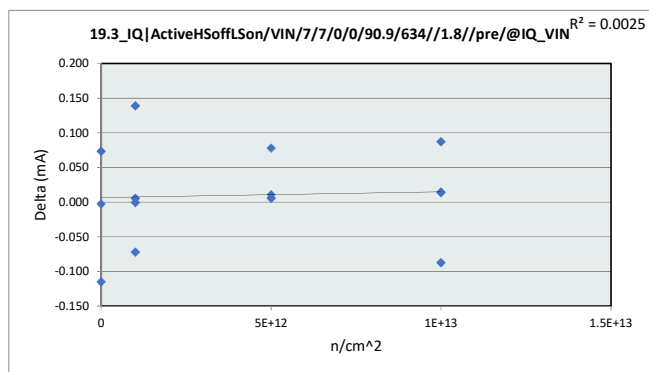


19.2_IQ ShutDown/PVIN/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	4.216	mA		
Min Limit	1	mA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	2.488	2.553	2.496	2.559
Average	2.572	2.587	2.542	2.579
Max	2.646	2.661	2.562	2.629
UL	4.216	4.216	4.216	4.216

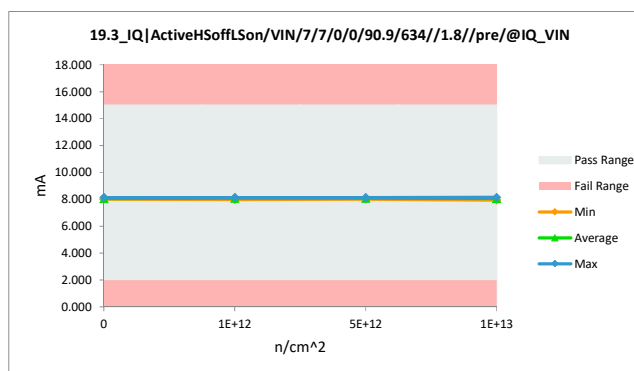


NDD Report
TPS7H4102-SP

		19.3_IQ ActiveHsoffLson/VIN/7/7/0/0/5		
Test Site				
Tester				
Test Number				
Unit		mA	mA	
Max Limit		15	14.988	
Min Limit		-0.5976	2	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	8.129	8.014	-0.115
0	2	8.056	8.129	0.073
0	3	8.057	8.055	-0.003
1E+12	30	7.990	8.129	0.139
1E+12	31	8.062	7.990	-0.072
1E+12	32	8.066	8.066	-0.001
1E+12	33	8.110	8.115	0.005
5E+12	34	8.117	8.123	0.005
5E+12	35	8.007	8.018	0.011
5E+12	36	8.027	8.033	0.006
5E+12	37	8.027	8.105	0.078
1E+13	38	8.126	8.139	0.014
1E+13	39	8.035	7.948	-0.087
1E+13	40	8.034	8.121	0.087
1E+13	41	8.035	8.049	0.015
	Max	8.129	8.139	0.139
	Average	8.059	8.069	0.010
	Min	7.990	7.948	-0.115
	Std Dev	0.044	0.060	0.067

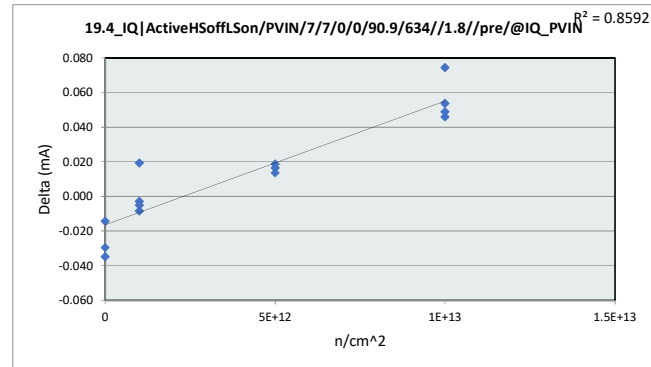


		19.3_IQ ActiveHsoffLson/VIN			
Test Site					
Tester					
Test Number					
Max Limit	14.988	mA			
Min Limit	2	mA			
n/cm^2	0	1E+12	5E+12	1E+13	
LL	2.000	2.000	2.000	2.000	
Min	8.014	7.990	8.018	7.948	
Average	8.066	8.075	8.070	8.065	
Max	8.129	8.129	8.123	8.140	
UL	14.988	14.988	14.988	14.988	

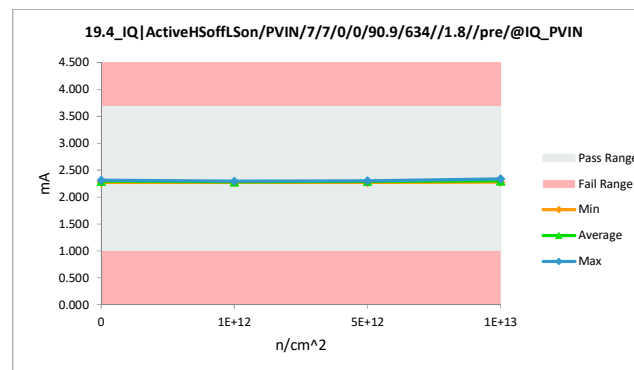


NDD Report TPS7H4102-SP

19.4_IQ ActiveHSoffLSON/PVIN/7/7/0/0				
Test Site				
Tester				
Test Number				
Unit	mA		mA	
Max Limit	3.7		3.682	
Min Limit	0.4636		1	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.306	2.272	-0.035
0	2	2.328	2.298	-0.030
0	3	2.329	2.314	-0.014
1E+12	30	2.276	2.295	0.019
1E+12	31	2.280	2.271	-0.009
1E+12	32	2.280	2.275	-0.005
1E+12	33	2.293	2.290	-0.003
5E+12	34	2.257	2.274	0.017
5E+12	35	2.266	2.282	0.016
5E+12	36	2.284	2.303	0.019
5E+12	37	2.285	2.298	0.013
1E+13	38	2.289	2.338	0.049
1E+13	39	2.231	2.285	0.054
1E+13	40	2.230	2.305	0.074
1E+13	41	2.232	2.278	0.046
	Max	2.329	2.338	0.074
	Average	2.278	2.292	0.014
	Min	2.230	2.271	-0.035
	Std Dev	0.031	0.019	0.031

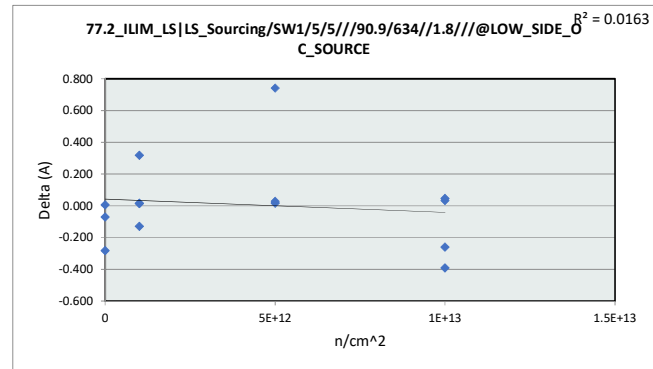


19.4_IQ ActiveHSoffLSON/PVIN/7/7/0/0/90.9/634//1.8//pre/@IQ_PVIN				
Test Site				
Tester				
Test Number				
Max Limit	3.682		mA	
Min Limit	1		mA	
n/cm ²	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	2.272	2.271	2.274	2.278
Average	2.295	2.283	2.289	2.302
Max	2.314	2.295	2.303	2.338
UL	3.682	3.682	3.682	3.682

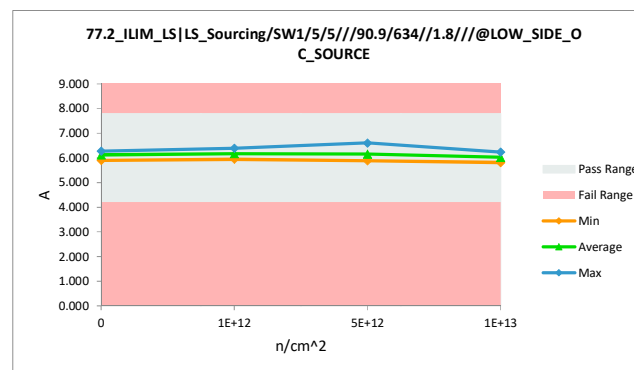


NDD Report TPS7H4102-SP

77.2_ILIM_LS LS_Sourcing/SW1/5/5///90.9/634//1.8///@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	7.8		7.792	
Min Limit	4.2		4.208	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.183	5.902	-0.282
0	2	6.261	6.189	-0.072
0	3	6.268	6.274	0.006
1E+12	30	5.938	6.255	0.317
1E+12	31	6.076	5.946	-0.130
1E+12	32	6.076	6.092	0.016
1E+12	33	6.378	6.391	0.014
5E+12	34	6.128	6.156	0.028
5E+12	35	5.946	5.961	0.015
5E+12	36	5.863	5.886	0.023
5E+12	37	5.869	6.609	0.741
1E+13	38	6.053	6.099	0.046
1E+13	39	6.206	5.814	-0.392
1E+13	40	6.206	5.946	-0.260
1E+13	41	6.206	6.239	0.033
	Max	6.378	6.609	0.741
	Average	6.110	6.117	0.007
	Min	5.863	5.814	-0.392
	Std Dev	0.154	0.217	0.264

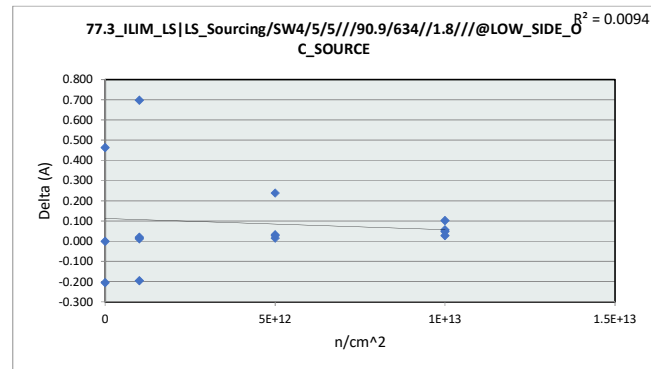


77.2_ILIM_LS LS_Sourcing/SW1/5/5///90.9/634//1.8///@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Max Limit	7.792		A	
Min Limit	4.208		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.902	5.946	5.886	5.814
Average	6.121	6.171	6.153	6.024
Max	6.274	6.391	6.609	6.239
UL	7.792	7.792	7.792	7.792

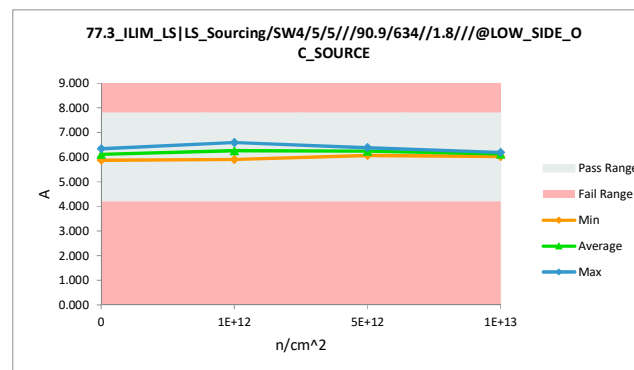


NDD Report TPS7H4102-SP

77.3_ILIM_LS LS_Sourcing/SW4/5/5//90.9/634//1.8//@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.8	7.792		
Min Limit	4.2	4.208		
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.334	6.129	-0.205
0	2	5.876	6.339	0.463
0	3	5.876	5.876	-0.001
1E+12	30	5.894	6.592	0.698
1E+12	31	6.102	5.907	-0.195
1E+12	32	6.105	6.116	0.011
1E+12	33	6.419	6.439	0.020
5E+12	34	6.351	6.385	0.033
5E+12	35	6.212	6.239	0.027
5E+12	36	6.054	6.069	0.015
5E+12	37	6.052	6.290	0.238
1E+13	38	5.979	6.026	0.047
1E+13	39	6.092	6.194	0.102
1E+13	40	6.095	6.123	0.028
1E+13	41	6.097	6.154	0.057
	Max	6.419	6.592	0.698
	Average	6.103	6.192	0.089
	Min	5.876	5.876	-0.205
	Std Dev	0.168	0.195	0.230

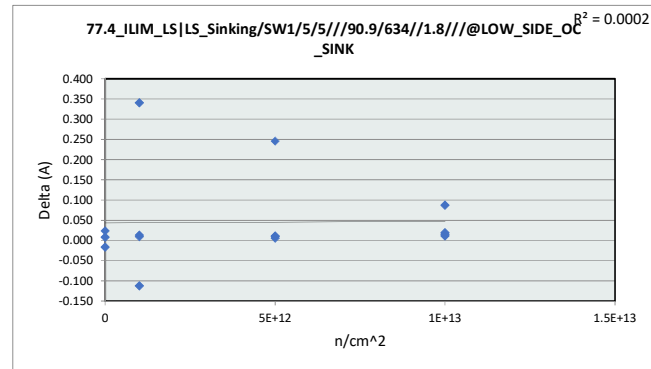


77.3_ILIM_LS LS_Sourcing/SW4/5/5//90.9/634//1.8//@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Max Limit	7.792	A		
Min Limit	4.208	A		
n/cm ²	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.876	5.907	6.069	6.026
Average	6.115	6.263	6.246	6.125
Max	6.339	6.592	6.385	6.194
UL	7.792	7.792	7.792	7.792

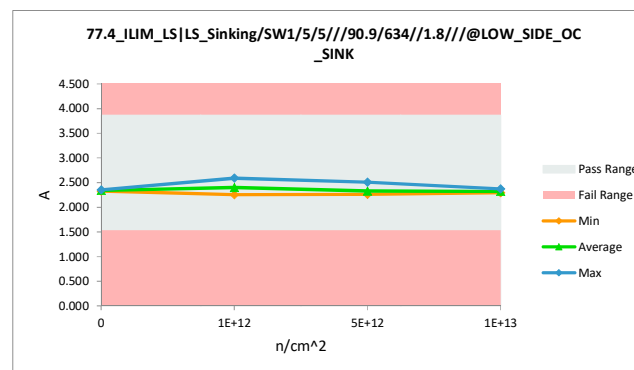


NDD Report TPS7H4102-SP

77.4_ILIM_LS LS_Sinking/SW1/5/5//90.9/634//1.8///@LOW_SIDE_OC				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.322	2.345	0.024
0	2	2.345	2.329	-0.016
0	3	2.344	2.352	0.008
1E+12	30	2.248	2.589	0.341
1E+12	31	2.367	2.255	-0.112
1E+12	32	2.365	2.374	0.009
1E+12	33	2.375	2.388	0.013
5E+12	34	2.255	2.260	0.006
5E+12	35	2.266	2.278	0.012
5E+12	36	2.262	2.272	0.010
5E+12	37	2.263	2.509	0.246
1E+13	38	2.289	2.308	0.019
1E+13	39	2.287	2.299	0.012
1E+13	40	2.286	2.374	0.088
1E+13	41	2.286	2.302	0.016
	Max	2.375	2.589	0.341
	Average	2.304	2.349	0.045
	Min	2.248	2.255	-0.112
	Std Dev	0.045	0.093	0.110

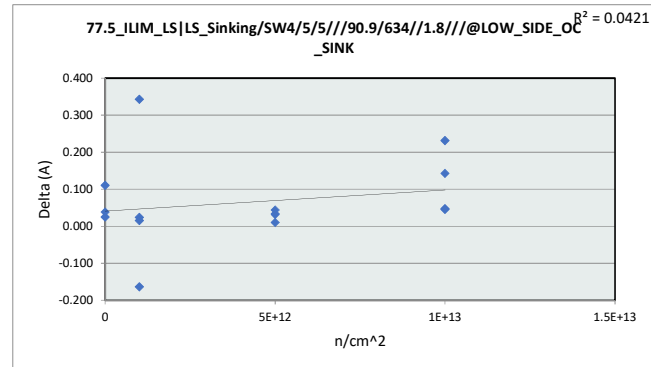


77.4_ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Max Limit	3.867		A	
Min Limit	1.533		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.329	2.255	2.261	2.299
Average	2.342	2.402	2.330	2.321
Max	2.352	2.589	2.509	2.374
UL	3.867	3.867	3.867	3.867

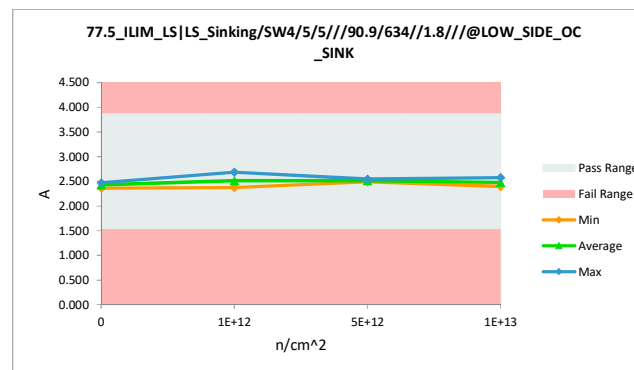


NDD Report TPS7H4102-SP

77.5_ILIM_LS LS_Sinking/SW4/5/5//90.9/634//1.8///@LOW_SIDE_OC_SINK				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	3.9		3.867	
Min Limit	1.5		1.533	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.433	2.471	0.039
0	2	2.347	2.458	0.111
0	3	2.339	2.364	0.025
1E+12	30	2.346	2.689	0.343
1E+12	31	2.540	2.377	-0.163
1E+12	32	2.541	2.556	0.015
1E+12	33	2.413	2.436	0.024
5E+12	34	2.462	2.494	0.032
5E+12	35	2.474	2.508	0.034
5E+12	36	2.501	2.545	0.044
5E+12	37	2.499	2.509	0.010
1E+13	38	2.386	2.432	0.046
1E+13	39	2.351	2.494	0.143
1E+13	40	2.348	2.580	0.232
1E+13	41	2.350	2.398	0.048
	Max	2.541	2.689	0.343
	Average	2.422	2.487	0.065
	Min	2.339	2.364	-0.163
	Std Dev	0.076	0.085	0.113

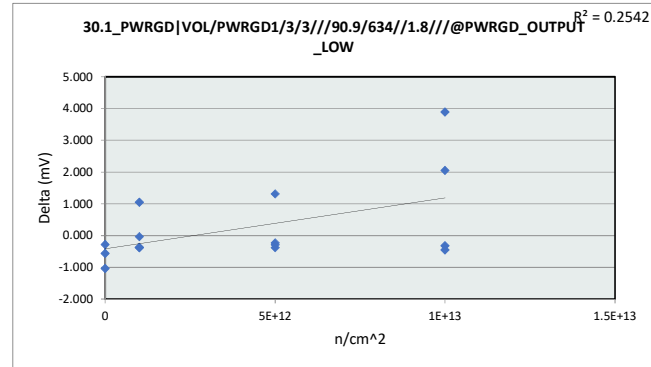


77.5_ILIM_LS LS_Sinking/SW4/5/5//90.9/634//1.8///@LOW_SIDE_OC_SINK				
Test Site				
Tester				
Test Number				
Max Limit	3.867		A	
Min Limit	1.533		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.364	2.377	2.494	2.398
Average	2.431	2.514	2.514	2.476
Max	2.471	2.689	2.545	2.580
UL	3.867	3.867	3.867	3.867

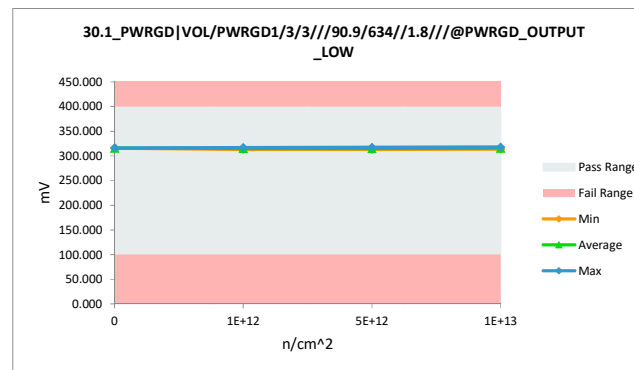


NDD Report TPS7H4102-SP

30.1_PWRGD VOL/PWRGD1/3/3//90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	315.842	315.562	-0.281
0	2	316.608	315.574	-1.034
0	3	316.636	316.077	-0.559
1E+12	30	315.699	316.745	1.046
1E+12	31	315.521	315.490	-0.031
1E+12	32	315.505	315.121	-0.384
1E+12	33	313.378	313.007	-0.371
5E+12	34	313.403	313.178	-0.224
5E+12	35	314.812	314.525	-0.287
5E+12	36	316.014	315.637	-0.378
5E+12	37	316.024	317.339	1.315
1E+13	38	315.349	314.896	-0.453
1E+13	39	313.962	317.851	3.889
1E+13	40	314.015	316.071	2.056
1E+13	41	314.012	313.691	-0.321
	Max	316.636	317.851	3.889
	Average	315.119	315.384	0.265
	Min	313.378	313.007	-1.034
	Std Dev	1.109	1.396	1.294

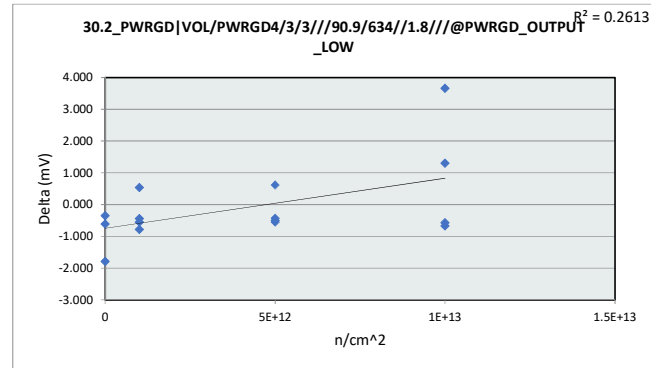


30.1_PWRGD VOL/PWRGD1/3/3//90.9/634//1.8///@PWRGD_OUTPUT				
Test Site				
Tester				
Test Number				
Max Limit	399		mV	
Min Limit	100		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	315.562	313.007	313.178	313.691
Average	315.738	315.091	315.170	315.627
Max	316.077	316.745	317.339	317.851
UL	399.000	399.000	399.000	399.000

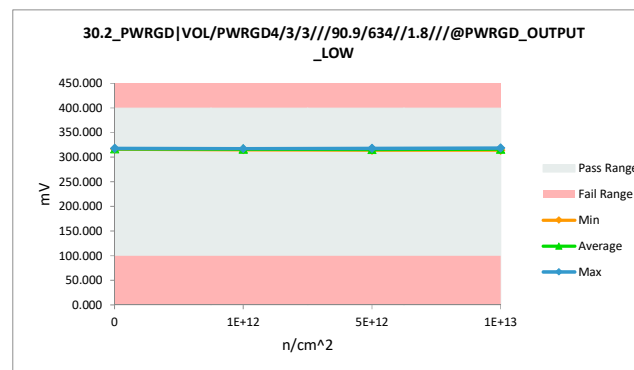


NDD Report TPS7H4102-SP

30.2_PWRGD VOL/PWRGD4/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	316.815	316.469	-0.346
0	2	318.258	316.469	-1.788
0	3	318.323	317.715	-0.608
1E+12	30	316.990	317.528	0.538
1E+12	31	317.112	316.669	-0.443
1E+12	32	317.149	316.363	-0.786
1E+12	33	315.335	314.780	-0.555
5E+12	34	314.439	313.943	-0.495
5E+12	35	315.472	315.042	-0.430
5E+12	36	317.224	316.679	-0.546
5E+12	37	317.187	317.800	0.613
1E+13	38	316.818	316.245	-0.574
1E+13	39	314.732	318.396	3.664
1E+13	40	314.807	316.107	1.300
1E+13	41	314.838	314.165	-0.674
	Max	318.323	318.396	3.664
	Average	316.367	316.291	-0.075
	Min	314.439	313.943	-1.788
	Std Dev	1.304	1.324	1.254

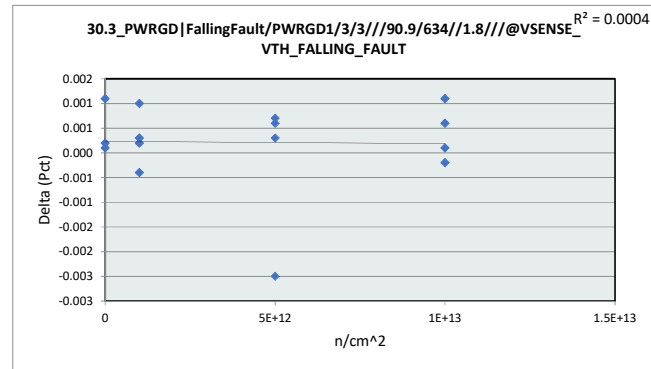


30.2_PWRGD VOL/PWRGD4/3/3///90.9/				
Test Site				
Tester				
Test Number				
Max Limit	399		mV	
Min Limit	100		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	316.469	314.780	313.943	314.165
Average	316.885	316.335	315.866	316.228
Max	317.715	317.528	317.800	318.396
UL	399.000	399.000	399.000	399.000

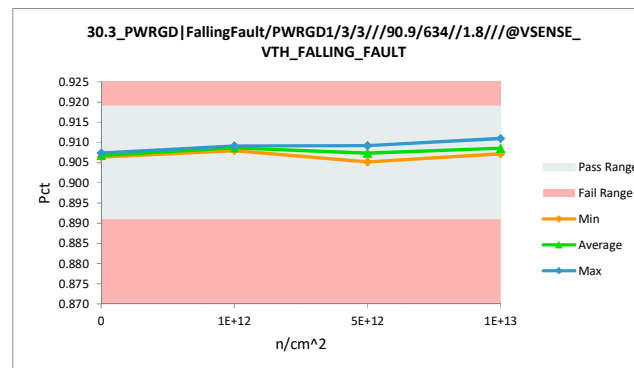


NDD Report TPS7H4102-SP

30.3_PWRGD FallingFault/PWRGD1/3/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.906	0.907	0.001
0	2	0.906	0.906	0.000
0	3	0.906	0.906	0.000
1E+12	30	0.908	0.909	0.001
1E+12	31	0.909	0.908	0.000
1E+12	32	0.909	0.909	0.000
1E+12	33	0.908	0.908	0.000
5E+12	34	0.908	0.909	0.001
5E+12	35	0.905	0.905	0.001
5E+12	36	0.909	0.909	0.000
5E+12	37	0.909	0.906	-0.002
1E+13	38	0.911	0.911	0.000
1E+13	39	0.907	0.907	0.000
1E+13	40	0.907	0.908	0.001
1E+13	41	0.907	0.908	0.001
	Max	0.911	0.911	0.001
	Average	0.908	0.908	0.000
	Min	0.905	0.905	-0.002
	Std Dev	0.002	0.001	0.001

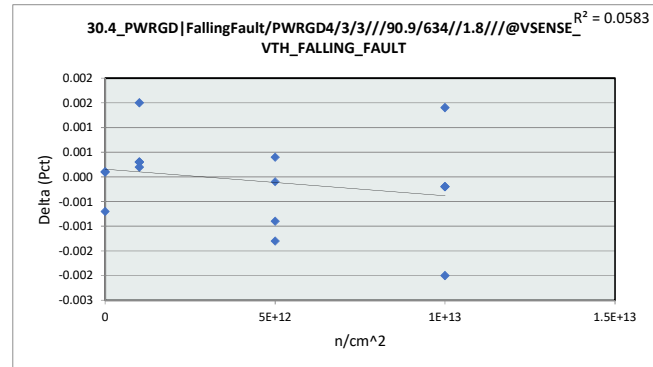


30.3_PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Max Limit	0.919	Pct		
Min Limit	0.891	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.906	0.908	0.905	0.907
Average	0.907	0.909	0.907	0.909
Max	0.907	0.909	0.909	0.911
UL	0.919	0.919	0.919	0.919

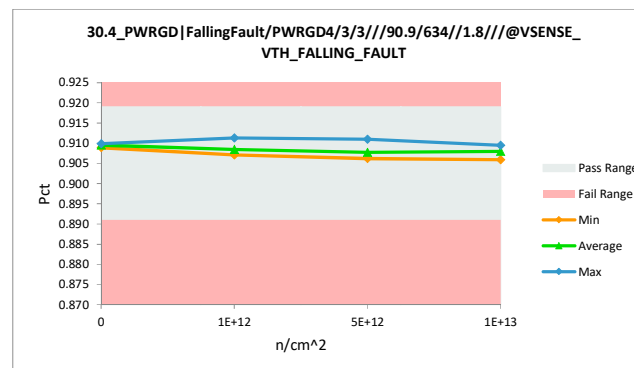


NDD Report TPS7H4102-SP

30.4_PWRGD FallingFault/PWRGD4/3/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.910	0.909	-0.001
0	2	0.910	0.910	0.000
0	3	0.910	0.910	0.000
1E+12	30	0.907	0.908	0.002
1E+12	31	0.907	0.907	0.000
1E+12	32	0.907	0.907	0.000
1E+12	33	0.911	0.911	0.000
5E+12	34	0.911	0.911	0.000
5E+12	35	0.907	0.907	0.000
5E+12	36	0.908	0.906	-0.001
5E+12	37	0.907	0.906	-0.001
1E+13	38	0.910	0.910	0.000
1E+13	39	0.908	0.909	0.001
1E+13	40	0.908	0.906	-0.002
1E+13	41	0.908	0.908	0.000
Max		0.911	0.911	0.002
Average		0.908	0.908	0.000
Min		0.907	0.906	-0.002
Std Dev		0.001	0.002	0.001

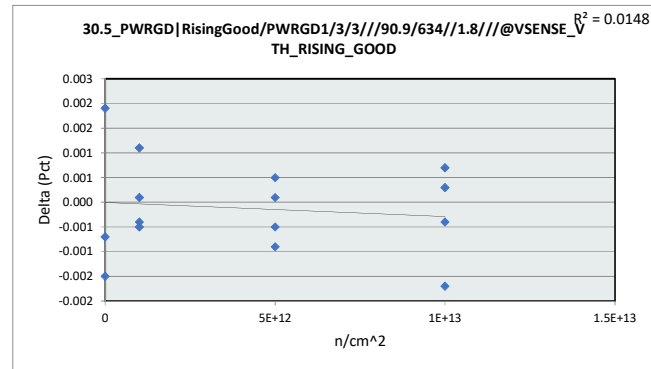


30.4_PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Max Limit	0.919	Pct		
Min Limit	0.891	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.909	0.907	0.906	0.906
Average	0.910	0.908	0.908	0.908
Max	0.910	0.911	0.911	0.910
UL	0.919	0.919	0.919	0.919

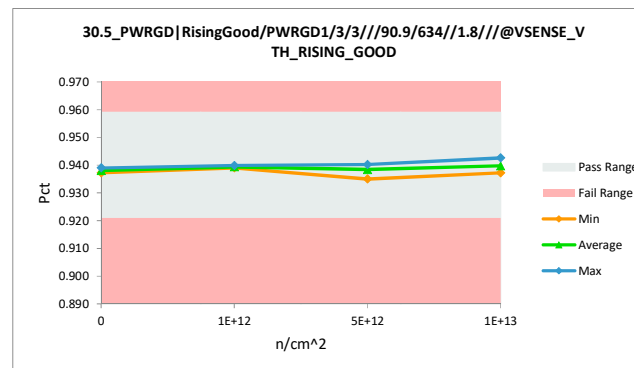


NDD Report TPS7H4102-SP

30.5_PWRGD RisingGood/PWRGD1/3/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.937	0.939	0.002
0	2	0.939	0.937	-0.002
0	3	0.939	0.938	-0.001
1E+12	30	0.939	0.940	0.001
1E+12	31	0.939	0.939	0.000
1E+12	32	0.939	0.939	0.000
1E+12	33	0.939	0.940	0.000
5E+12	34	0.941	0.940	-0.001
5E+12	35	0.934	0.935	0.001
5E+12	36	0.940	0.940	0.000
5E+12	37	0.940	0.939	-0.001
1E+13	38	0.943	0.943	0.000
1E+13	39	0.939	0.937	-0.002
1E+13	40	0.939	0.940	0.001
1E+13	41	0.939	0.939	0.000
	Max	0.943	0.943	0.002
	Average	0.939	0.939	0.000
	Min	0.934	0.935	-0.002
	Std Dev	0.002	0.002	0.001



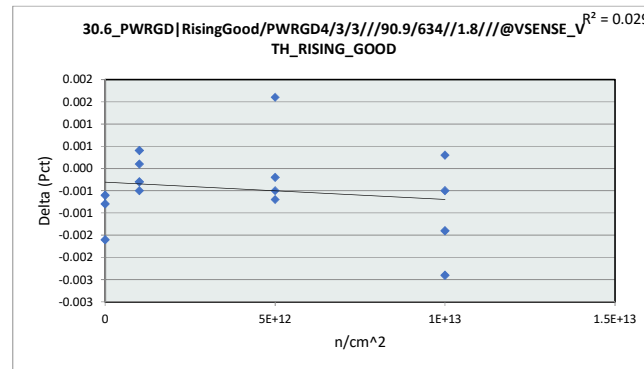
30.5_PWRGD RisingGood/PWRGD1/3/3/				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.937	0.939	0.935	0.937
Average	0.938	0.939	0.938	0.940
Max	0.939	0.940	0.940	0.943
UL	0.959	0.959	0.959	0.959



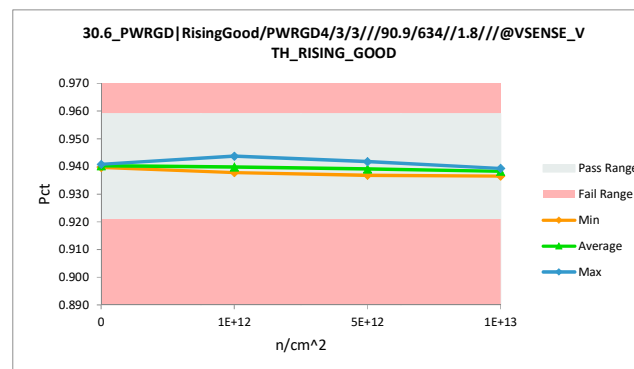
NDD Report

TPS7H4102-SP

30.6_PWRGD RisingGood/PWRGD4/3/3/				
	Test Site			
	Tester			
	Test Number			
	Unit	Pct	Pct	
	Max Limit	0.96	0.959	
	Min Limit	0.92	0.921	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.941	0.940	-0.002
0	2	0.941	0.941	-0.001
0	3	0.941	0.941	-0.001
1E+12	30	0.939	0.939	0.000
1E+12	31	0.938	0.939	0.000
1E+12	32	0.938	0.938	-0.001
1E+12	33	0.944	0.944	0.000
5E+12	34	0.942	0.942	-0.001
5E+12	35	0.939	0.939	0.000
5E+12	36	0.938	0.937	-0.001
5E+12	37	0.937	0.939	0.002
1E+13	38	0.941	0.939	-0.001
1E+13	39	0.939	0.939	0.000
1E+13	40	0.939	0.937	-0.002
1E+13	41	0.939	0.938	-0.001
	Max	0.944	0.944	0.002
	Average	0.940	0.939	0.000
	Min	0.937	0.937	-0.002
	Std Dev	0.002	0.002	0.001

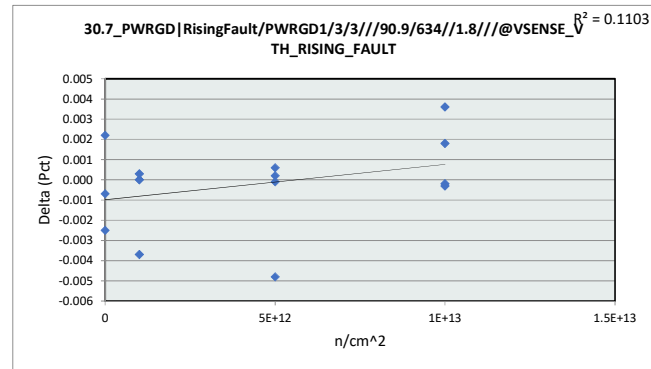


30.6_PWRGD RisingGood/PW				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.940	0.938	0.937	0.937
Average	0.940	0.940	0.939	0.938
Max	0.941	0.944	0.942	0.939
UL	0.959	0.959	0.959	0.959

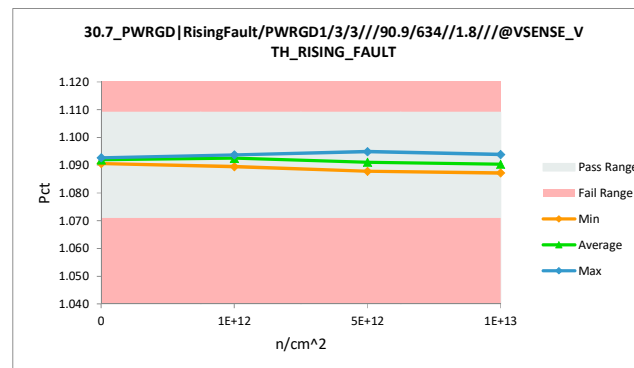


NDD Report TPS7H4102-SP

30.7_PWRGD RisingFault/PWRGD1/3/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.090	1.093	0.002
0	2	1.093	1.091	-0.002
0	3	1.093	1.092	-0.001
1E+12	30	1.093	1.089	-0.004
1E+12	31	1.093	1.093	0.000
1E+12	32	1.093	1.094	0.000
1E+12	33	1.094	1.094	0.000
5E+12	34	1.094	1.095	0.001
5E+12	35	1.089	1.089	0.000
5E+12	36	1.093	1.093	0.000
5E+12	37	1.093	1.088	-0.005
1E+13	38	1.094	1.094	0.000
1E+13	39	1.087	1.091	0.004
1E+13	40	1.088	1.089	0.002
1E+13	41	1.087	1.087	0.000
	Max	1.094	1.095	0.004
	Average	1.092	1.091	0.000
	Min	1.087	1.087	-0.005
	Std Dev	0.003	0.002	0.002

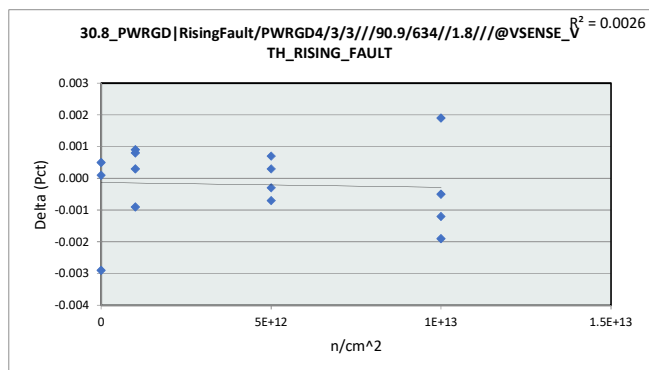


30.7_PWRGD RisingFault/PWRGD1/3/3/				
Test Site				
Tester				
Test Number				
Max Limit	1.109	Pct		
Min Limit	1.071	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.091	1.090	1.088	1.087
Average	1.092	1.093	1.091	1.090
Max	1.093	1.094	1.095	1.094
UL	1.109	1.109	1.109	1.109

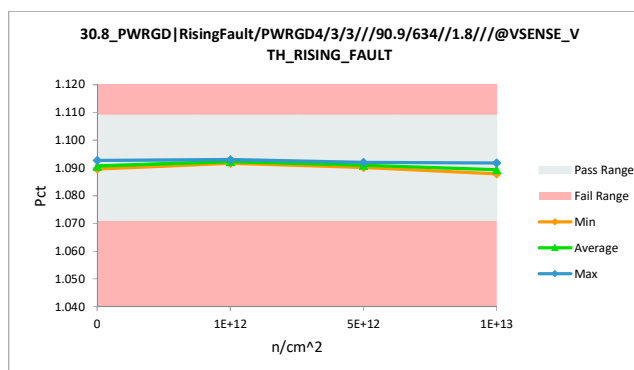


NDD Report
TPS7H4102-SP

		30.8_PWRGD RisingFault/PWRGD4/3/3//		
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		1.11	1.109	
Min Limit		1.07	1.071	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.089	1.090	0.000
0	2	1.092	1.090	-0.003
0	3	1.093	1.093	0.000
1E+12	30	1.091	1.092	0.001
1E+12	31	1.093	1.092	-0.001
1E+12	32	1.093	1.093	0.000
1E+12	33	1.092	1.093	0.001
5E+12	34	1.090	1.090	0.000
5E+12	35	1.091	1.092	0.001
5E+12	36	1.091	1.090	-0.001
5E+12	37	1.091	1.091	0.000
1E+13	38	1.088	1.088	0.000
1E+13	39	1.090	1.089	-0.002
1E+13	40	1.090	1.092	0.002
1E+13	41	1.090	1.089	-0.001
	Max	1.093	1.093	0.002
	Average	1.091	1.091	0.000
	Min	1.088	1.088	-0.003
	Std Dev	0.001	0.002	0.001

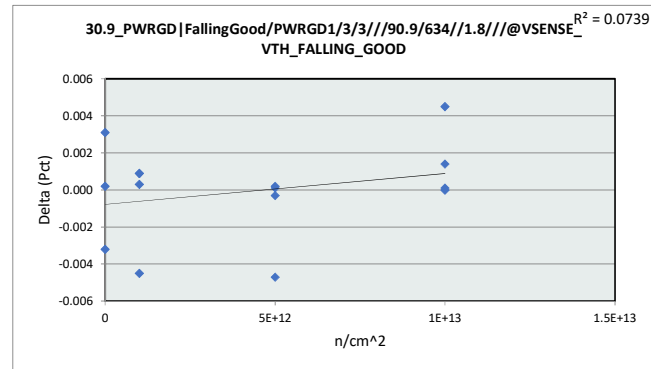


		30.8_PWRGD RisingFault/PW		
Test Site				
Tester				
Test Number				
Max Limit	1.109	Pct		
Min Limit	1.071	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.090	1.092	1.090	1.088
Average	1.091	1.092	1.091	1.089
Max	1.093	1.093	1.092	1.092
UL	1.109	1.109	1.109	1.109

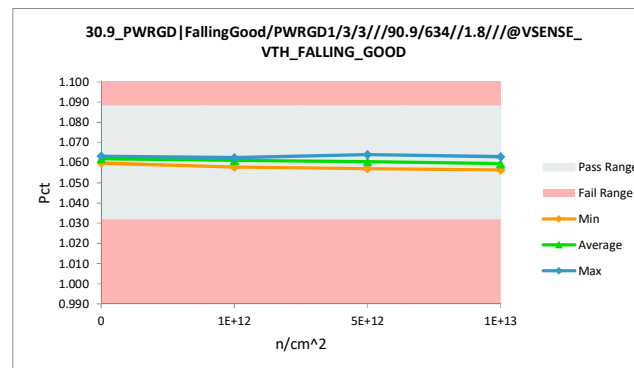


NDD Report TPS7H4102-SP

30.9_PWRGD FallingGood/PWRGD1/3/3/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.060	1.063	0.003
0	2	1.063	1.060	-0.003
0	3	1.063	1.063	0.000
1E+12	30	1.062	1.058	-0.005
1E+12	31	1.062	1.063	0.001
1E+12	32	1.062	1.062	0.000
1E+12	33	1.061	1.062	0.001
5E+12	34	1.064	1.064	0.000
5E+12	35	1.057	1.057	0.000
5E+12	36	1.063	1.063	0.000
5E+12	37	1.063	1.058	-0.005
1E+13	38	1.063	1.063	0.000
1E+13	39	1.056	1.061	0.004
1E+13	40	1.056	1.058	0.001
1E+13	41	1.056	1.056	0.000
Max		1.064	1.064	0.004
Average		1.061	1.061	0.000
Min		1.056	1.056	-0.005
Std Dev		0.003	0.003	0.002

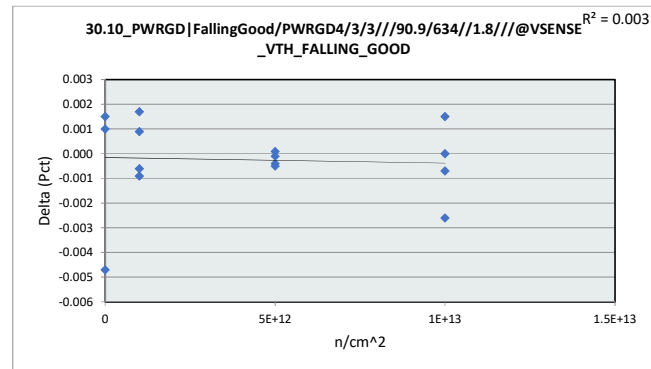


30.9_PWRGD FallingGood/PW				
Test Site				
Tester				
Test Number				
Max Limit	1.088	Pct		
Min Limit	1.032	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.060	1.058	1.057	1.056
Average	1.062	1.061	1.060	1.060
Max	1.063	1.063	1.064	1.063
UL	1.088	1.088	1.088	1.088

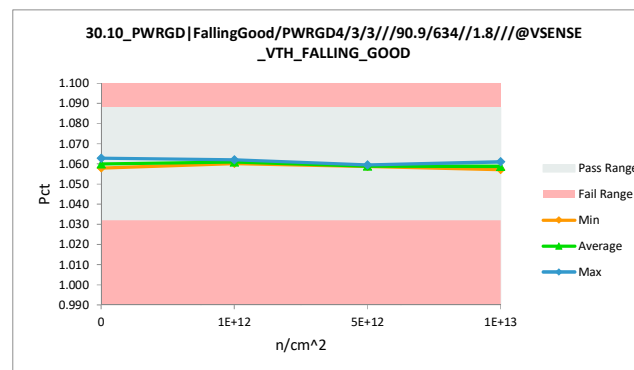


NDD Report TPS7H4102-SP

30.10_PWRGD FallingGood/PWRGD4/3/3				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.058	1.059	0.002
0	2	1.063	1.058	-0.005
0	3	1.062	1.063	0.001
1E+12	30	1.059	1.061	0.002
1E+12	31	1.061	1.060	-0.001
1E+12	32	1.061	1.061	-0.001
1E+12	33	1.061	1.062	0.001
5E+12	34	1.059	1.059	0.000
5E+12	35	1.059	1.059	0.000
5E+12	36	1.059	1.059	0.000
5E+12	37	1.059	1.059	0.000
1E+13	38	1.057	1.057	0.000
1E+13	39	1.060	1.058	-0.003
1E+13	40	1.059	1.061	0.002
1E+13	41	1.060	1.059	-0.001
	Max	1.063	1.063	0.002
	Average	1.060	1.060	0.000
	Min	1.057	1.057	-0.005
	Std Dev	0.001	0.002	0.002

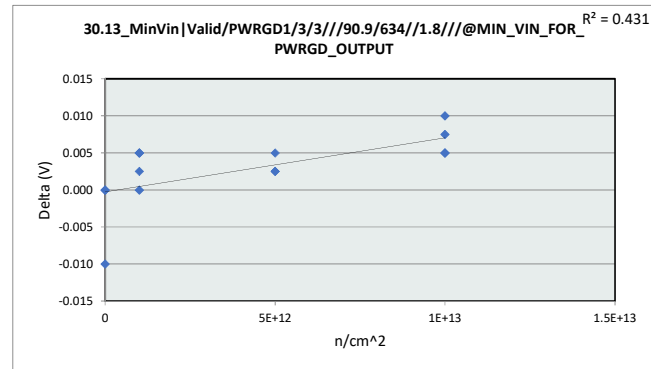


30.10_PWRGD FallingGood/PWRGD4/3/3				
Test Site				
Tester				
Test Number				
Max Limit	1.088	Pct		
Min Limit	1.032	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.058	1.060	1.059	1.057
Average	1.060	1.061	1.059	1.059
Max	1.063	1.062	1.060	1.061
UL	1.088	1.088	1.088	1.088

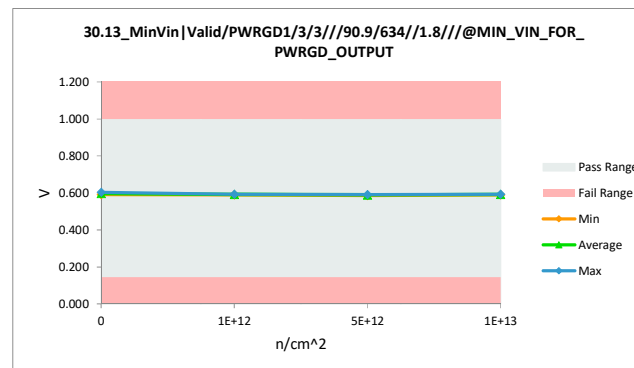


NDD Report TPS7H4102-SP

30.13_MinVin Valid/PWRGD1/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1		0.995	
Min Limit	-0.025		0.145	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.591	0.591	0.000
0	2	0.604	0.594	-0.010
0	3	0.604	0.604	0.000
1E+12	30	0.586	0.591	0.005
1E+12	31	0.589	0.589	0.000
1E+12	32	0.589	0.594	0.005
1E+12	33	0.591	0.594	0.002
5E+12	34	0.589	0.591	0.002
5E+12	35	0.584	0.586	0.002
5E+12	36	0.586	0.591	0.005
5E+12	37	0.586	0.589	0.002
1E+13	38	0.589	0.594	0.005
1E+13	39	0.584	0.591	0.007
1E+13	40	0.584	0.594	0.010
1E+13	41	0.584	0.589	0.005
	Max	0.604	0.604	0.010
	Average	0.589	0.592	0.003
	Min	0.584	0.586	-0.010
	Std Dev	0.006	0.004	0.005

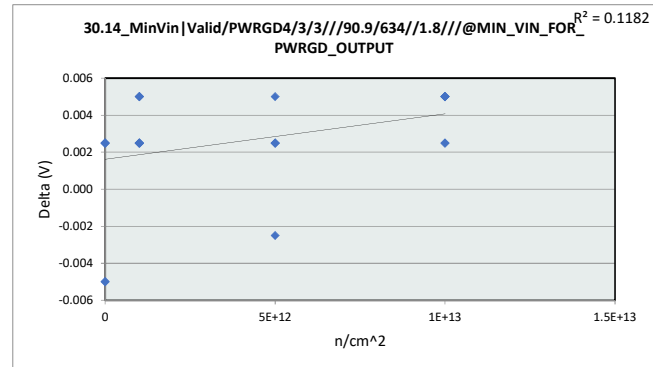


30.13_MinVin Valid/PWRGD1/				
Test Site				
Tester				
Test Number				
Max Limit	0.995		V	
Min Limit	0.145		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.145	0.145	0.145	0.145
Min	0.591	0.589	0.586	0.589
Average	0.596	0.592	0.589	0.592
Max	0.604	0.594	0.591	0.594
UL	0.995	0.995	0.995	0.995

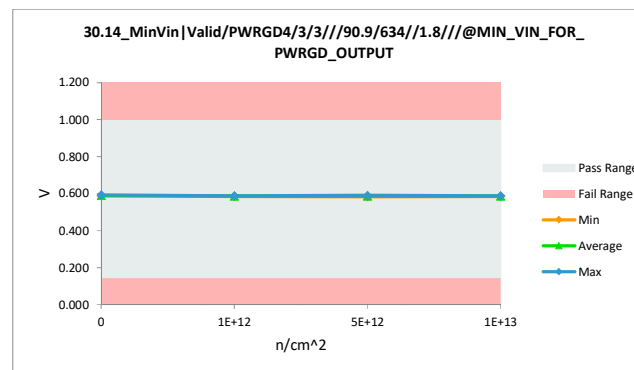


NDD Report TPS7H4102-SP

30.14_MinVin Valid/PWRGD4/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	1		0.995	
Min Limit	-0.025		0.145	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.586	0.589	0.002
0	2	0.594	0.589	-0.005
0	3	0.591	0.594	0.002
1E+12	30	0.584	0.589	0.005
1E+12	31	0.584	0.586	0.002
1E+12	32	0.584	0.589	0.005
1E+12	33	0.586	0.589	0.002
5E+12	34	0.586	0.591	0.005
5E+12	35	0.584	0.586	0.002
5E+12	36	0.586	0.589	0.002
5E+12	37	0.586	0.584	-0.002
1E+13	38	0.584	0.589	0.005
1E+13	39	0.584	0.589	0.005
1E+13	40	0.584	0.589	0.005
1E+13	41	0.584	0.586	0.002
	Max	0.594	0.594	0.005
	Average	0.586	0.588	0.003
	Min	0.584	0.584	-0.005
	Std Dev	0.003	0.002	0.003

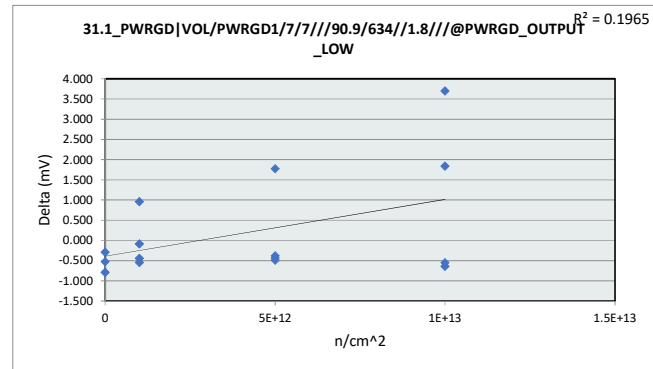


30.14_MinVin Valid/PWRGD4/3/3///90.9/634//1.8///@MIN_VIN_FOR_PWRGD_OUTPUT				
Test Site				
Tester				
Test Number				
Max Limit	0.995		V	
Min Limit	0.145		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.145	0.145	0.145	0.145
Min	0.589	0.586	0.584	0.586
Average	0.590	0.588	0.587	0.588
Max	0.594	0.589	0.591	0.589
UL	0.995	0.995	0.995	0.995

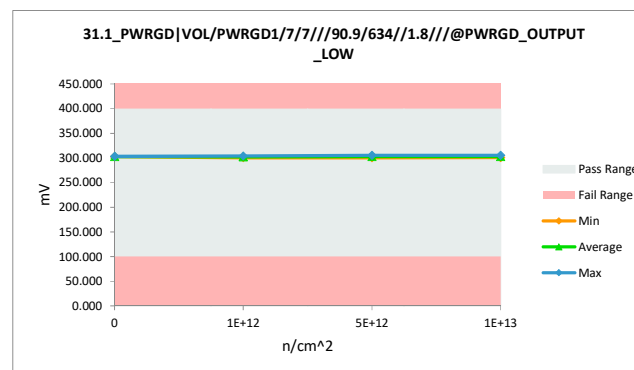


NDD Report TPS7H4102-SP

31.1_PWRGD VOL/PWRGD1/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	303.120	302.830	-0.289
0	2	303.535	302.746	-0.789
0	3	303.551	303.024	-0.527
1E+12	30	303.101	304.061	0.960
1E+12	31	302.901	302.818	-0.083
1E+12	32	302.941	302.399	-0.542
1E+12	33	300.761	300.322	-0.439
5E+12	34	300.758	300.378	-0.380
5E+12	35	302.301	301.871	-0.430
5E+12	36	303.441	302.952	-0.489
5E+12	37	303.379	305.157	1.778
1E+13	38	302.788	302.149	-0.639
1E+13	39	301.389	305.086	3.697
1E+13	40	301.461	303.302	1.841
1E+13	41	301.433	300.884	-0.548
	Max	303.551	305.157	3.697
	Average	302.457	302.665	0.208
	Min	300.758	300.322	-0.789
	Std Dev	1.019	1.453	1.288

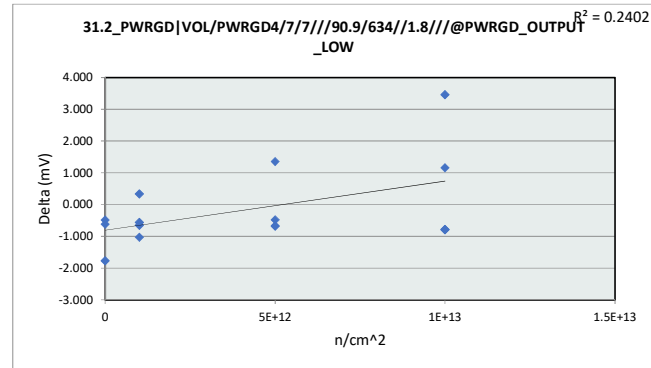


31.1_PWRGD VOL/PWRGD1/7/7///90.9/634//1.8///@PWRGD_OUTPUT				
Test Site				
Tester				
Test Number				
Max Limit	399		mV	
Min Limit	100		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	302.746	300.322	300.378	300.884
Average	302.867	302.400	302.590	302.855
Max	303.024	304.061	305.157	305.086
UL	399.000	399.000	399.000	399.000

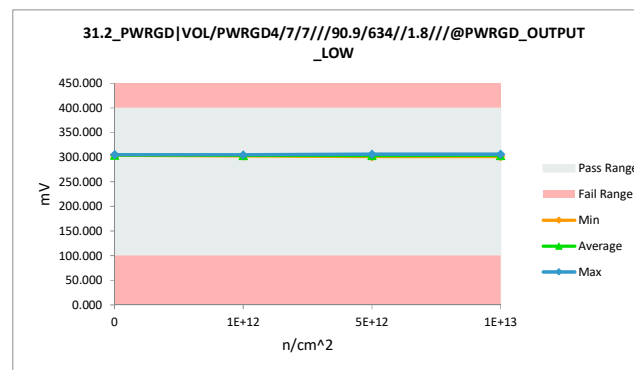


NDD Report TPS7H4102-SP

31.2_PWRGD VOL/PWRGD4/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	400		399	
Min Limit	40.2		100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	304.365	303.882	-0.483
0	2	305.698	303.926	-1.772
0	3	305.717	305.100	-0.617
1E+12	30	304.555	304.888	0.333
1E+12	31	304.702	304.141	-0.560
1E+12	32	304.755	303.729	-1.026
1E+12	33	302.850	302.199	-0.651
5E+12	34	302.016	301.350	-0.667
5E+12	35	302.987	302.511	-0.476
5E+12	36	304.795	304.119	-0.676
5E+12	37	304.699	306.055	1.357
1E+13	38	304.452	303.670	-0.782
1E+13	39	302.369	305.831	3.462
1E+13	40	302.406	303.564	1.157
1E+13	41	302.406	301.618	-0.788
	Max	305.717	306.055	3.462
	Average	303.918	303.772	-0.146
	Min	302.016	301.350	-1.772
	Std Dev	1.270	1.398	1.278

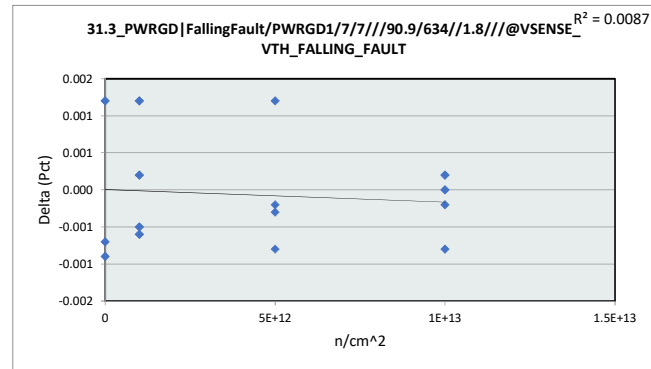


31.2_PWRGD VOL/PWRGD4/7/7///90.9/634//1.8///@PWRGD_OUTPUT _LOW				
Test Site				
Tester				
Test Number				
Max Limit	399		mV	
Min Limit	100		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	303.882	302.199	301.350	301.618
Average	304.303	303.739	303.509	303.670
Max	305.100	304.888	306.055	305.831
UL	399.000	399.000	399.000	399.000

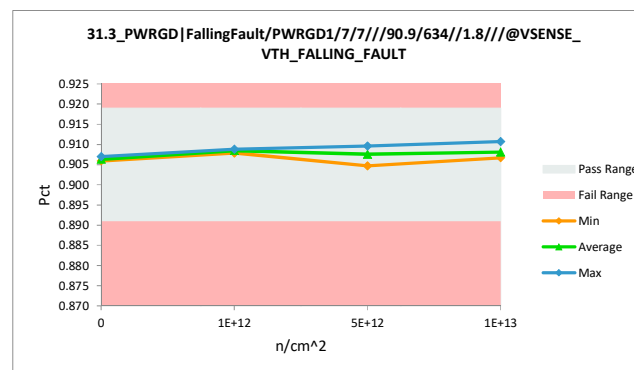


NDD Report TPS7H4102-SP

31.3_PWRGD FallingFault/PWRGD1/7/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.906	0.907	0.001
0	2	0.907	0.906	-0.001
0	3	0.907	0.906	-0.001
1E+12	30	0.908	0.909	0.001
1E+12	31	0.908	0.908	-0.001
1E+12	32	0.909	0.909	-0.001
1E+12	33	0.908	0.909	0.000
5E+12	34	0.909	0.909	0.000
5E+12	35	0.905	0.905	0.000
5E+12	36	0.908	0.910	0.001
5E+12	37	0.908	0.908	-0.001
1E+13	38	0.911	0.911	0.000
1E+13	39	0.908	0.907	-0.001
1E+13	40	0.908	0.908	0.000
1E+13	41	0.908	0.907	0.000
	Max	0.911	0.911	0.001
	Average	0.908	0.908	0.000
	Min	0.905	0.905	-0.001
	Std Dev	0.001	0.002	0.001

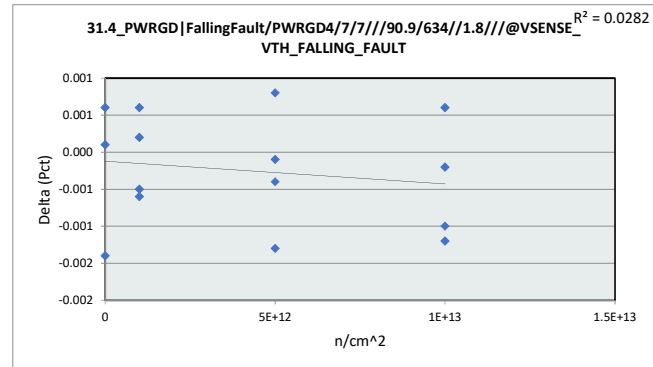


31.3_PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Max Limit	0.919	Pct		
Min Limit	0.891	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.906	0.908	0.905	0.907
Average	0.906	0.908	0.908	0.908
Max	0.907	0.909	0.910	0.911
UL	0.919	0.919	0.919	0.919

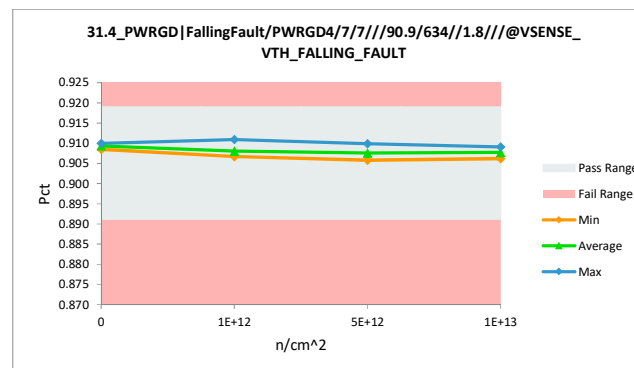


NDD Report TPS7H4102-SP

31.4_PWRGD FallingFault/PWRGD4/7/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.92	0.919		
Min Limit	0.89	0.891		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.910	0.909	-0.001
0	2	0.909	0.910	0.001
0	3	0.909	0.910	0.000
1E+12	30	0.907	0.908	0.001
1E+12	31	0.907	0.907	-0.001
1E+12	32	0.907	0.907	0.000
1E+12	33	0.911	0.911	0.000
5E+12	34	0.910	0.910	0.000
5E+12	35	0.907	0.907	0.000
5E+12	36	0.907	0.906	-0.001
5E+12	37	0.907	0.908	0.001
1E+13	38	0.910	0.909	-0.001
1E+13	39	0.908	0.909	0.001
1E+13	40	0.907	0.906	-0.001
1E+13	41	0.907	0.907	0.000
Max		0.911	0.911	0.001
Average		0.908	0.908	0.000
Min		0.907	0.906	-0.001
Std Dev		0.001	0.002	0.001

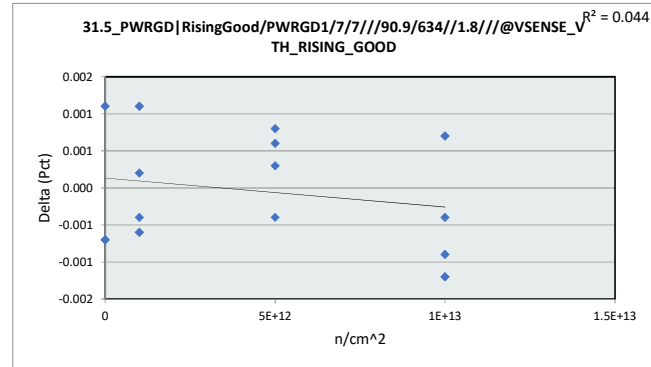


31.4_PWRGD FallingFault/PW				
Test Site				
Tester				
Test Number				
Max Limit	0.919	Pct		
Min Limit	0.891	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.909	0.907	0.906	0.906
Average	0.909	0.908	0.908	0.908
Max	0.910	0.911	0.910	0.909
UL	0.919	0.919	0.919	0.919

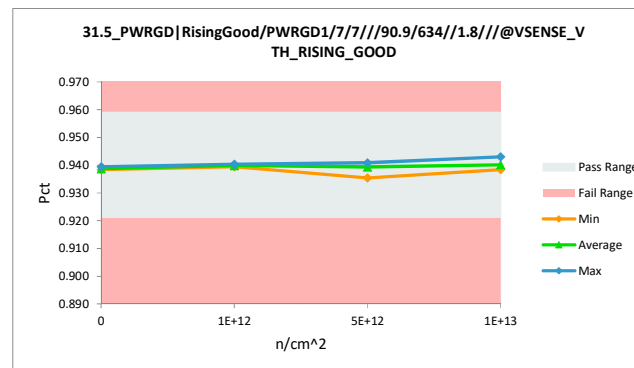


NDD Report TPS7H4102-SP

31.5_PWRGD RisingGood/PWRGD1/7/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.938	0.939	0.001
0	2	0.939	0.938	-0.001
0	3	0.939	0.938	-0.001
1E+12	30	0.939	0.940	0.001
1E+12	31	0.940	0.940	0.000
1E+12	32	0.940	0.939	-0.001
1E+12	33	0.940	0.940	0.000
5E+12	34	0.941	0.941	0.000
5E+12	35	0.935	0.935	0.001
5E+12	36	0.940	0.940	0.000
5E+12	37	0.940	0.941	0.001
1E+13	38	0.943	0.943	0.000
1E+13	39	0.939	0.938	-0.001
1E+13	40	0.939	0.940	0.001
1E+13	41	0.940	0.939	-0.001
	Max	0.943	0.943	0.001
	Average	0.940	0.940	0.000
	Min	0.935	0.935	-0.001
	Std Dev	0.002	0.002	0.001

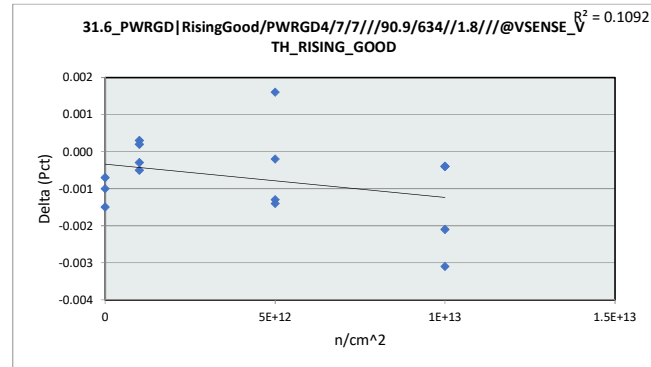


31.5_PWRGD RisingGood/PWRGD1/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.938	0.939	0.935	0.938
Average	0.939	0.940	0.939	0.940
Max	0.939	0.940	0.941	0.943
UL	0.959	0.959	0.959	0.959

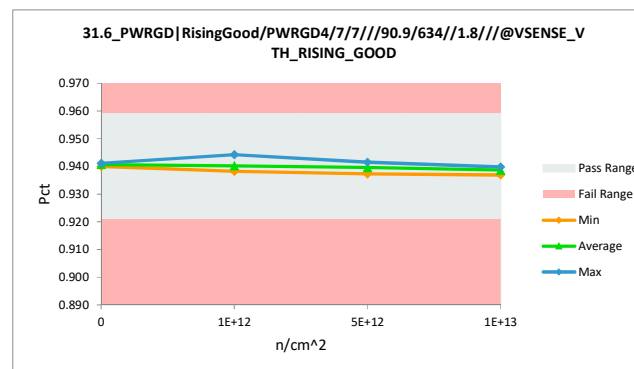


NDD Report TPS7H4102-SP

31.6_PWRGD RisingGood/PWRGD4/7/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	0.96	0.959		
Min Limit	0.92	0.921		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.942	0.940	-0.002
0	2	0.942	0.941	-0.001
0	3	0.942	0.941	-0.001
1E+12	30	0.940	0.939	0.000
1E+12	31	0.939	0.939	0.000
1E+12	32	0.939	0.938	-0.001
1E+12	33	0.944	0.944	0.000
5E+12	34	0.943	0.942	-0.001
5E+12	35	0.939	0.939	0.000
5E+12	36	0.939	0.937	-0.001
5E+12	37	0.939	0.940	0.002
1E+13	38	0.942	0.940	-0.002
1E+13	39	0.940	0.939	0.000
1E+13	40	0.940	0.937	-0.003
1E+13	41	0.939	0.939	0.000
Max		0.944	0.944	0.002
Average		0.940	0.940	-0.001
Min		0.939	0.937	-0.003
Std Dev		0.002	0.002	0.001

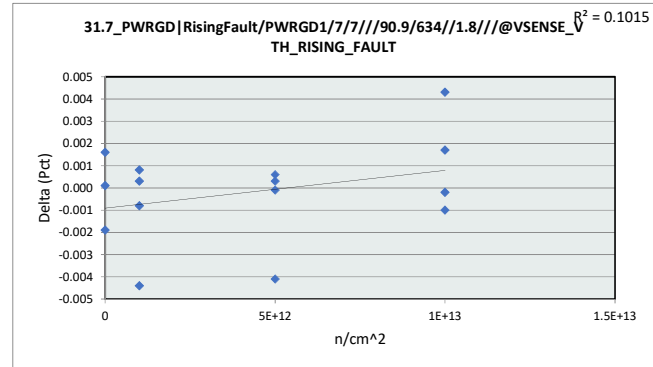


31.6_PWRGD RisingGood/PWRGD4/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.940	0.938	0.937	0.937
Average	0.941	0.940	0.940	0.939
Max	0.941	0.944	0.942	0.940
UL	0.959	0.959	0.959	0.959

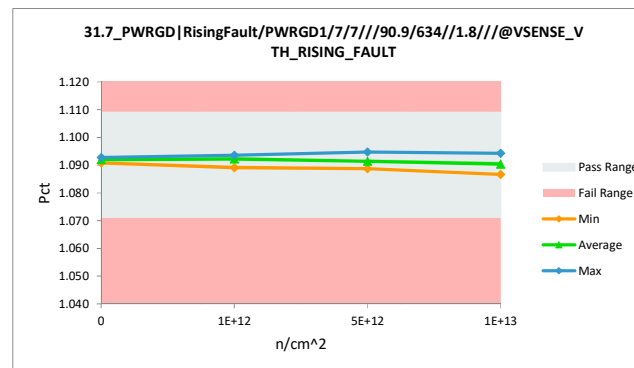


NDD Report TPS7H4102-SP

31.7_PWRGD RisingFault/PWRGD1/7/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.091	1.092	0.002
0	2	1.093	1.091	-0.002
0	3	1.093	1.093	0.000
1E+12	30	1.094	1.089	-0.004
1E+12	31	1.093	1.094	0.001
1E+12	32	1.093	1.093	0.000
1E+12	33	1.094	1.093	-0.001
5E+12	34	1.095	1.095	0.000
5E+12	35	1.088	1.089	0.001
5E+12	36	1.093	1.093	0.000
5E+12	37	1.093	1.089	-0.004
1E+13	38	1.094	1.094	0.000
1E+13	39	1.087	1.091	0.004
1E+13	40	1.088	1.090	0.002
1E+13	41	1.088	1.087	-0.001
	Max	1.095	1.095	0.004
	Average	1.092	1.091	0.000
	Min	1.087	1.087	-0.004
	Std Dev	0.003	0.002	0.002

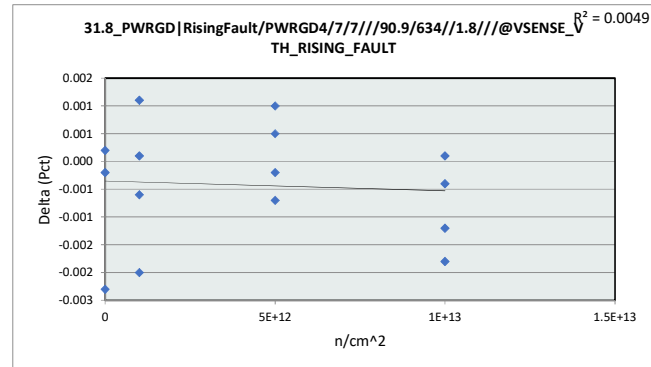


31.7_PWRGD RisingFault/PWRGD1/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	1.109	Pct		
Min Limit	1.071	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.091	1.089	1.089	1.087
Average	1.092	1.092	1.091	1.090
Max	1.093	1.094	1.095	1.094
UL	1.109	1.109	1.109	1.109

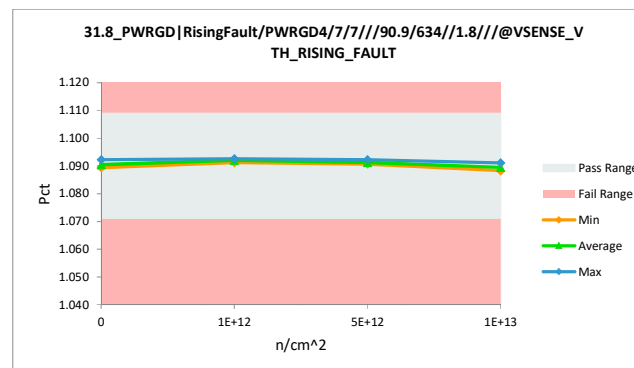


NDD Report TPS7H4102-SP

31.8_PWRGD RisingFault/PWRGD4/7/7/				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.11	1.109		
Min Limit	1.07	1.071		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.090	1.089	0.000
0	2	1.092	1.090	-0.002
0	3	1.092	1.092	0.000
1E+12	30	1.091	1.092	0.001
1E+12	31	1.093	1.091	-0.002
1E+12	32	1.093	1.093	-0.001
1E+12	33	1.092	1.092	0.000
5E+12	34	1.090	1.091	0.001
5E+12	35	1.092	1.091	0.000
5E+12	36	1.091	1.091	-0.001
5E+12	37	1.091	1.092	0.001
1E+13	38	1.089	1.088	0.000
1E+13	39	1.091	1.089	-0.002
1E+13	40	1.091	1.091	0.000
1E+13	41	1.091	1.090	-0.001
	Max	1.093	1.093	0.001
	Average	1.091	1.091	0.000
	Min	1.089	1.088	-0.002
	Std Dev	0.001	0.001	0.001

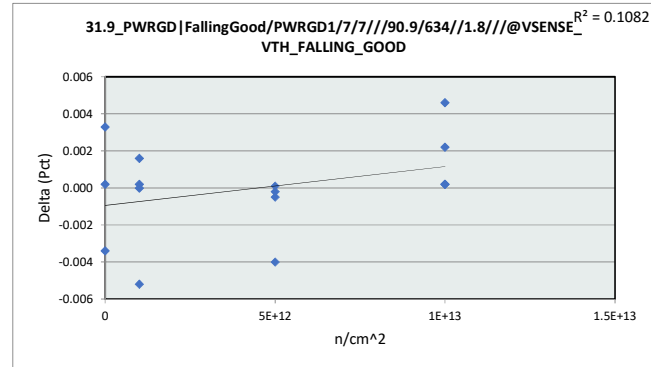


31.8_PWRGD RisingFault/PWRGD4/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	1.109	Pct		
Min Limit	1.071	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.089	1.091	1.091	1.088
Average	1.091	1.092	1.091	1.089
Max	1.092	1.093	1.092	1.091
UL	1.109	1.109	1.109	1.109

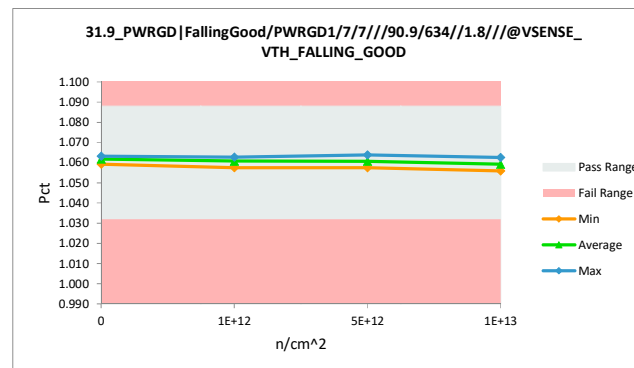


NDD Report TPS7H4102-SP

31.9_PWRGD FallingGood/PWRGD1/7/7//				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.060	1.063	0.003
0	2	1.063	1.059	-0.003
0	3	1.063	1.063	0.000
1E+12	30	1.063	1.058	-0.005
1E+12	31	1.061	1.063	0.002
1E+12	32	1.061	1.061	0.000
1E+12	33	1.062	1.062	0.000
5E+12	34	1.064	1.064	0.000
5E+12	35	1.057	1.057	0.000
5E+12	36	1.063	1.063	0.000
5E+12	37	1.063	1.059	-0.004
1E+13	38	1.062	1.063	0.000
1E+13	39	1.056	1.060	0.005
1E+13	40	1.056	1.058	0.002
1E+13	41	1.056	1.056	0.000
	Max	1.064	1.064	0.005
	Average	1.061	1.061	0.000
	Min	1.056	1.056	-0.005
	Std Dev	0.003	0.003	0.003

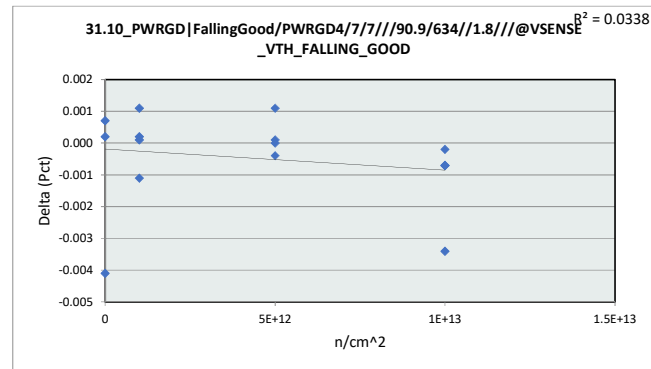


31.9_PWRGD FallingGood/PW				
Test Site				
Tester				
Test Number				
Max Limit	1.088	Pct		
Min Limit	1.032	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.059	1.058	1.057	1.056
Average	1.062	1.061	1.061	1.059
Max	1.063	1.063	1.064	1.063
UL	1.088	1.088	1.088	1.088

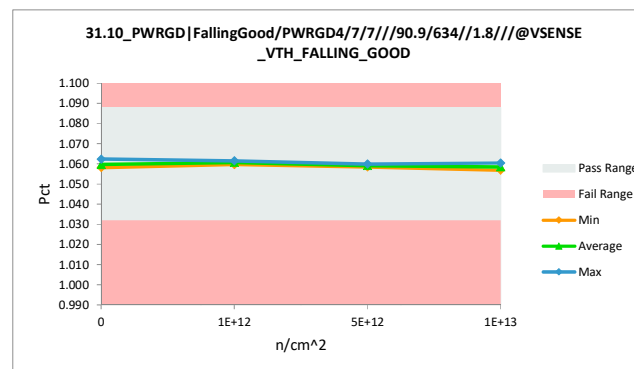


NDD Report TPS7H4102-SP

31.10_PWRGD FallingGood/PWRGD4/7/7				
Test Site				
Tester				
Test Number				
Unit	Pct	Pct		
Max Limit	1.09	1.088		
Min Limit	1.03	1.032		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.058	1.059	0.001
0	2	1.062	1.058	-0.004
0	3	1.062	1.062	0.000
1E+12	30	1.059	1.061	0.001
1E+12	31	1.061	1.060	-0.001
1E+12	32	1.061	1.061	0.000
1E+12	33	1.061	1.061	0.000
5E+12	34	1.059	1.059	0.000
5E+12	35	1.060	1.060	0.000
5E+12	36	1.059	1.058	0.000
5E+12	37	1.059	1.060	0.001
1E+13	38	1.058	1.057	-0.001
1E+13	39	1.060	1.057	-0.003
1E+13	40	1.061	1.060	0.000
1E+13	41	1.060	1.060	-0.001
	Max	1.062	1.062	0.001
	Average	1.060	1.059	0.000
	Min	1.058	1.057	-0.004
	Std Dev	0.001	0.002	0.001

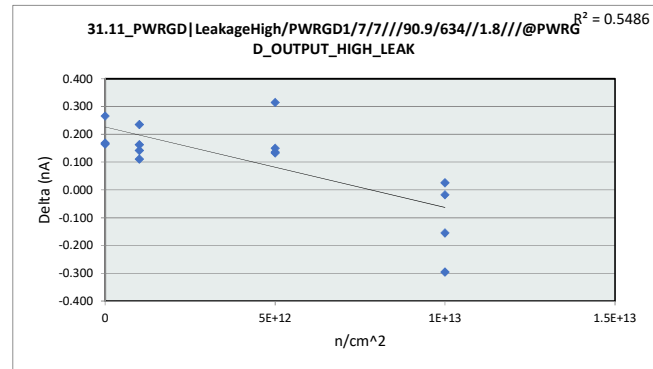


31.10_PWRGD FallingGood/PWRGD4/7/7				
Test Site				
Tester				
Test Number				
Max Limit	1.088	Pct		
Min Limit	1.032	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.058	1.060	1.058	1.057
Average	1.060	1.061	1.059	1.058
Max	1.062	1.062	1.060	1.060
UL	1.088	1.088	1.088	1.088

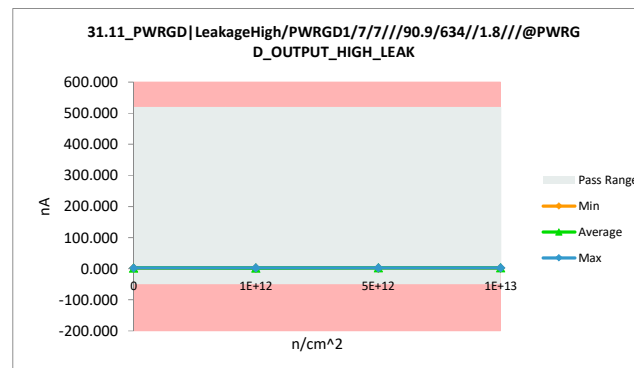


NDD Report TPS7H4102-SP

31.11_PWRGD LeakageHigh/PWRGD1/7//				
Test Site				
Tester				
Test Number				
Unit	nA		nA	
Max Limit	520		518	
Min Limit	-163.6		-50	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.324	2.489	0.165
0	2	2.253	2.519	0.266
0	3	2.253	2.422	0.169
1E+12	30	2.359	2.500	0.141
1E+12	31	2.336	2.498	0.163
1E+12	32	2.355	2.466	0.111
1E+12	33	2.319	2.554	0.235
5E+12	34	2.395	2.531	0.136
5E+12	35	2.447	2.597	0.150
5E+12	36	2.467	2.600	0.133
5E+12	37	2.462	2.777	0.316
1E+13	38	3.351	3.056	-0.295
1E+13	39	2.616	2.599	-0.017
1E+13	40	2.634	2.479	-0.155
1E+13	41	2.596	2.621	0.025
	Max	3.351	3.056	0.316
	Average	2.478	2.581	0.103
	Min	2.253	2.422	-0.295
	Std Dev	0.271	0.157	0.159

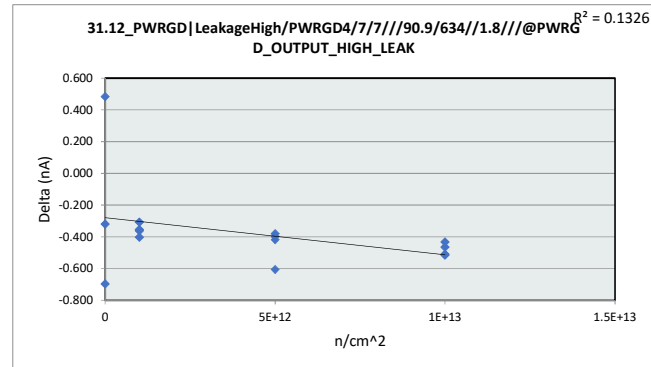


31.11_PWRGD LeakageHigh/P				
Test Site				
Tester				
Test Number				
Max Limit	518		nA	
Min Limit	-50		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-50.000	-50.000	-50.000	-50.000
Min	2.422	2.466	2.531	2.479
Average	2.477	2.505	2.626	2.689
Max	2.519	2.554	2.777	3.056
UL	518.000	518.000	518.000	518.000

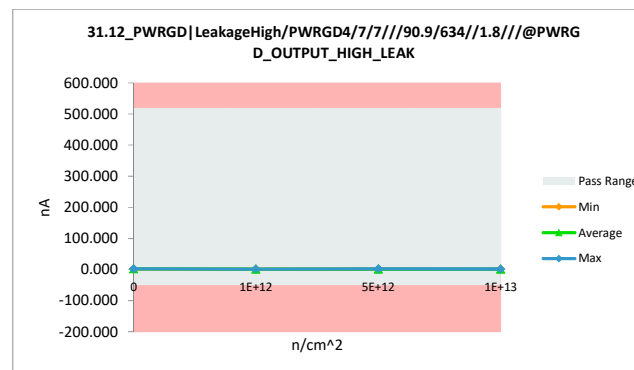


NDD Report TPS7H4102-SP

31.12_PWRGD LeakageHigh/PWRGD4/7//				
Test Site				
Tester				
Test Number				
Unit	nA		nA	
Max Limit	520		518	
Min Limit	-163.6		-50	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.660	1.962	-0.697
0	2	1.819	2.303	0.484
0	3	1.824	1.504	-0.320
1E+12	30	1.847	1.539	-0.308
1E+12	31	1.941	1.538	-0.402
1E+12	32	1.973	1.610	-0.363
1E+12	33	1.883	1.529	-0.354
5E+12	34	2.818	2.399	-0.418
5E+12	35	1.840	1.460	-0.380
5E+12	36	2.136	1.737	-0.399
5E+12	37	2.123	1.518	-0.605
1E+13	38	2.006	1.573	-0.432
1E+13	39	1.990	1.474	-0.516
1E+13	40	2.003	1.494	-0.509
1E+13	41	1.988	1.523	-0.465
	Max	2.818	2.399	0.484
	Average	2.057	1.678	-0.379
	Min	1.819	1.460	-0.697
	Std Dev	0.295	0.302	0.261

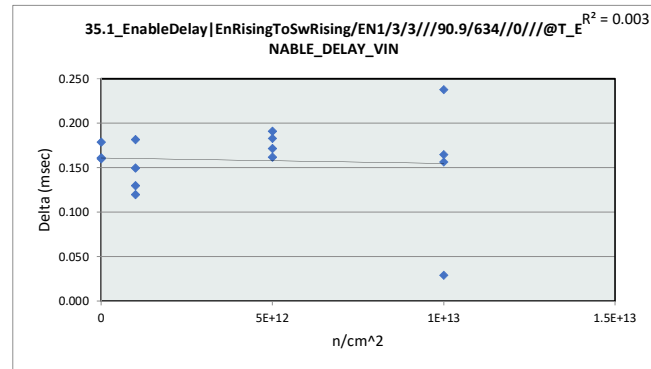


31.12_PWRGD LeakageHigh/P				
Test Site				
Tester				
Test Number				
Max Limit	518		nA	
Min Limit	-50		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-50.000	-50.000	-50.000	-50.000
Min	1.504	1.529	1.460	1.474
Average	1.923	1.554	1.779	1.516
Max	2.303	1.610	2.400	1.573
UL	518.000	518.000	518.000	518.000

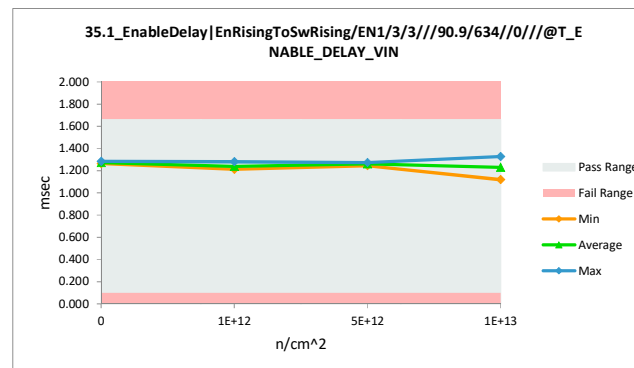


NDD Report TPS7H4102-SP

35.1_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	msec		msec	
Max Limit	1.7		1.66	
Min Limit	-0.212		0.1	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.109	1.270	0.161
0	2	1.104	1.264	0.160
0	3	1.105	1.284	0.179
1E+12	30	1.088	1.218	0.130
1E+12	31	1.093	1.213	0.120
1E+12	32	1.091	1.241	0.150
1E+12	33	1.100	1.281	0.181
5E+12	34	1.083	1.266	0.183
5E+12	35	1.090	1.261	0.171
5E+12	36	1.083	1.274	0.191
5E+12	37	1.083	1.245	0.162
1E+13	38	1.064	1.220	0.156
1E+13	39	1.090	1.119	0.029
1E+13	40	1.090	1.328	0.238
1E+13	41	1.091	1.256	0.165
	Max	1.109	1.328	0.238
	Average	1.091	1.249	0.158
	Min	1.064	1.119	0.029
	Std Dev	0.011	0.046	0.045

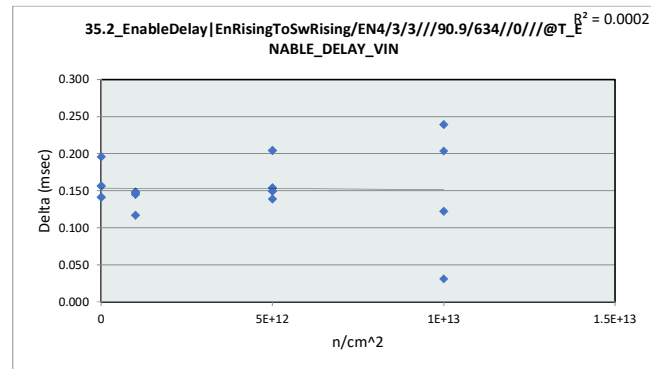


35.1_EnableDelay EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	1.66	msec		
Min Limit	0.1	msec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	1.264	1.213	1.245	1.119
Average	1.273	1.238	1.261	1.231
Max	1.284	1.281	1.274	1.328
UL	1.660	1.660	1.660	1.660

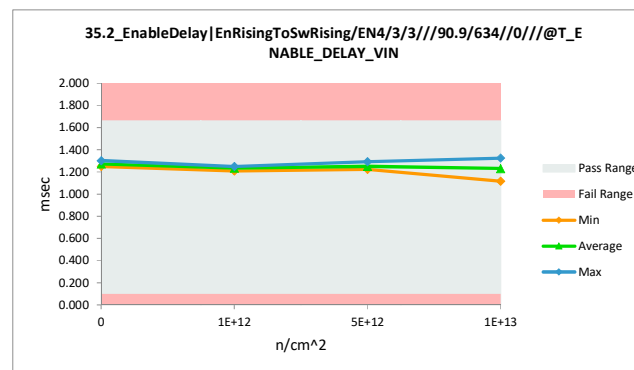


NDD Report TPS7H4102-SP

35.2_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN4/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	msec		msec	
Max Limit	1.7		1.66	
Min Limit	-0.212		0.1	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.110	1.251	0.141
0	2	1.105	1.261	0.156
0	3	1.106	1.302	0.196
1E+12	30	1.092	1.240	0.148
1E+12	31	1.093	1.210	0.117
1E+12	32	1.093	1.238	0.145
1E+12	33	1.101	1.249	0.148
5E+12	34	1.092	1.246	0.154
5E+12	35	1.086	1.224	0.139
5E+12	36	1.088	1.292	0.204
5E+12	37	1.088	1.237	0.150
1E+13	38	1.071	1.193	0.122
1E+13	39	1.086	1.117	0.031
1E+13	40	1.086	1.325	0.239
1E+13	41	1.087	1.291	0.204
	Max	1.110	1.325	0.239
	Average	1.092	1.245	0.153
	Min	1.071	1.117	0.031
	Std Dev	0.010	0.050	0.048

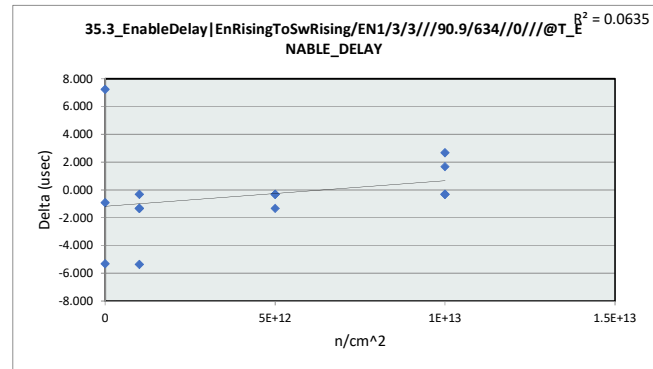


35.2_EnableDelay EnRisingToSwRising/EN4/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	1.251	1.210	1.225	1.117
Average	1.271	1.234	1.250	1.231
Max	1.302	1.249	1.292	1.325
UL	1.660	1.660	1.660	1.660

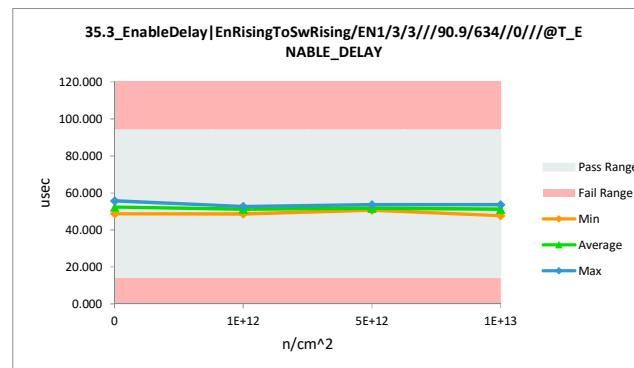


NDD Report TPS7H4102-SP

35.3_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	48.497	55.720	7.223
0	2	54.043	48.721	-5.321
0	3	53.649	52.720	-0.929
1E+12	30	54.048	48.675	-5.373
1E+12	31	54.046	52.721	-1.325
1E+12	32	54.048	52.720	-1.328
1E+12	33	51.044	50.722	-0.323
5E+12	34	51.048	50.722	-0.325
5E+12	35	54.049	53.720	-0.329
5E+12	36	52.046	51.719	-0.328
5E+12	37	52.048	50.719	-1.329
1E+13	38	48.050	47.721	-0.329
1E+13	39	51.045	53.720	2.674
1E+13	40	51.048	52.720	1.672
1E+13	41	51.045	50.719	-0.326
	Max	54.049	55.720	7.223
	Average	51.984	51.584	-0.400
	Min	48.050	47.721	-5.373
	Std Dev	2.002	2.171	2.972

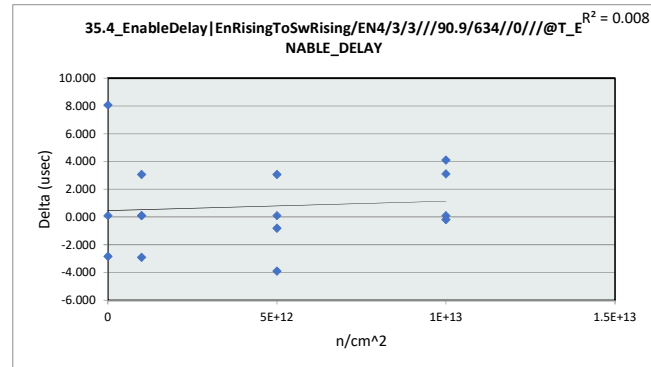


35.3_EnableDelay EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	94	usec		
Min Limit	14	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	48.721	48.675	50.719	47.721
Average	52.387	51.209	51.720	51.220
Max	55.720	52.721	53.720	53.720
UL	94.000	94.000	94.000	94.000

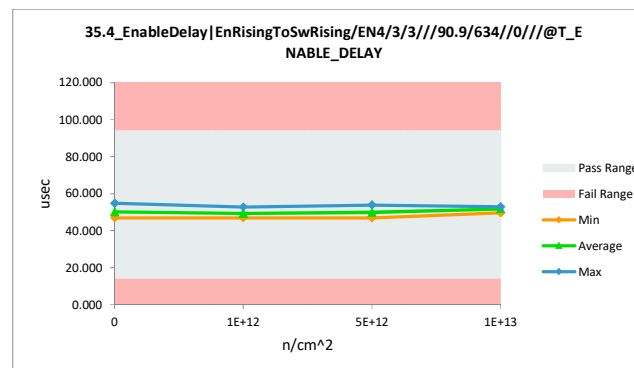


NDD Report TPS7H4102-SP

35.4_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN4/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	46.775	54.835	8.060
0	2	49.718	46.872	-2.846
0	3	48.776	48.872	0.096
1E+12	30	49.778	46.870	-2.908
1E+12	31	48.776	48.870	0.094
1E+12	32	48.774	48.871	0.097
1E+12	33	49.775	52.833	3.057
5E+12	34	49.775	48.970	-0.804
5E+12	35	49.775	49.870	0.095
5E+12	36	50.776	53.838	3.061
5E+12	37	50.775	46.872	-3.903
1E+13	38	52.774	52.871	0.097
1E+13	39	48.775	52.870	4.095
1E+13	40	48.775	51.868	3.093
1E+13	41	49.814	49.615	-0.199
	Max	52.774	54.835	8.060
	Average	49.574	50.320	0.746
	Min	46.775	46.870	-3.903
	Std Dev	1.320	2.659	3.096

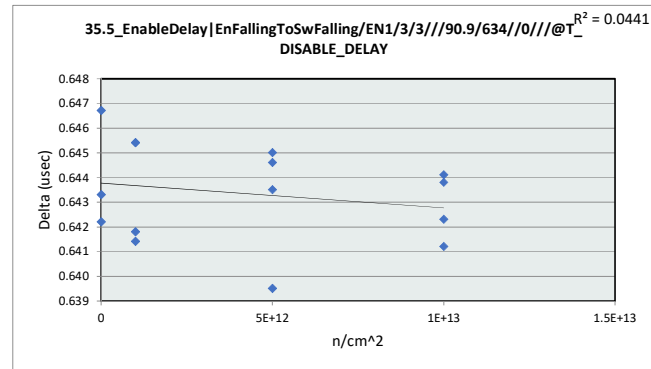


35.4_EnableDelay EnRisingToSwRising/EN4/3/3///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	94		usec	
Min Limit	14		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	46.872	46.870	46.872	49.615
Average	50.193	49.361	49.888	51.806
Max	54.835	52.833	53.838	52.871
UL	94.000	94.000	94.000	94.000

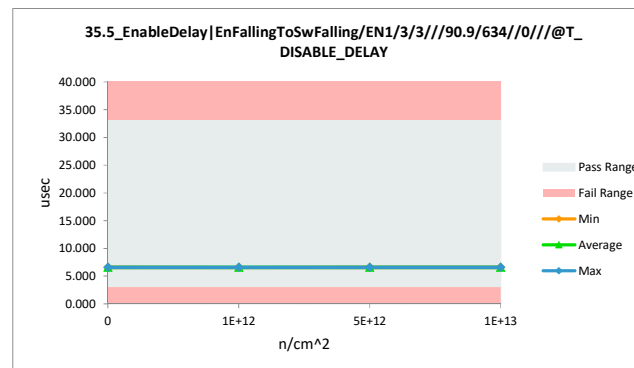


NDD Report TPS7H4102-SP

35.5_EnableDelay EnFallingToSwFalling/EN1/3/3///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	35		33	
Min Limit	-3		3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.933	6.575	0.642
0	2	5.934	6.577	0.643
0	3	5.931	6.578	0.647
1E+12	30	5.931	6.576	0.645
1E+12	31	5.935	6.576	0.642
1E+12	32	5.932	6.574	0.641
1E+12	33	5.932	6.578	0.645
5E+12	34	5.931	6.576	0.645
5E+12	35	5.931	6.576	0.645
5E+12	36	5.935	6.574	0.639
5E+12	37	5.934	6.578	0.643
1E+13	38	5.931	6.575	0.644
1E+13	39	5.936	6.580	0.644
1E+13	40	5.933	6.575	0.642
1E+13	41	5.935	6.576	0.641
	Max	5.936	6.580	0.647
	Average	5.933	6.576	0.643
	Min	5.931	6.574	0.639
	Std Dev	0.002	0.002	0.002

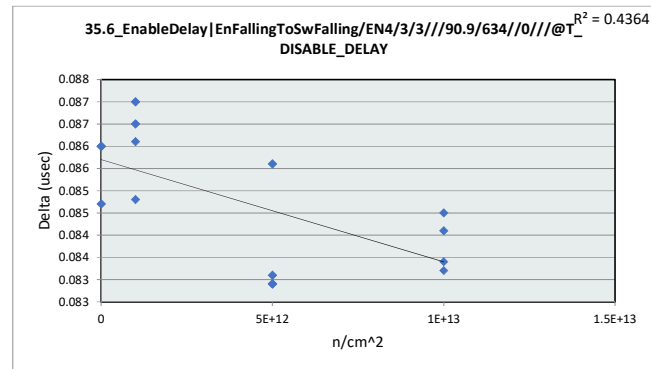


35.5_EnableDelay EnFallingToSwFalling/EN1/3/3///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Max Limit	33		usec	
Min Limit	3		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	6.575	6.574	6.574	6.575
Average	6.577	6.576	6.576	6.576
Max	6.578	6.578	6.578	6.580
UL	33.000	33.000	33.000	33.000

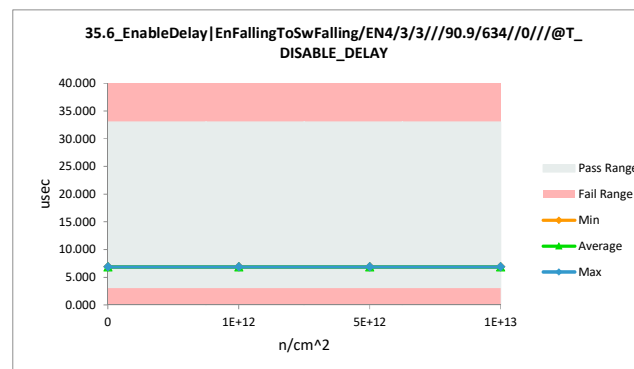


NDD Report TPS7H4102-SP

35.6_EnableDelay EnFallingToSwFalling/EN4/3/3///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	35		33	
Min Limit	-3		3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.763	6.847	0.085
0	2	6.760	6.846	0.086
0	3	6.760	6.846	0.086
1E+12	30	6.764	6.851	0.087
1E+12	31	6.760	6.846	0.086
1E+12	32	6.761	6.846	0.085
1E+12	33	6.760	6.846	0.086
5E+12	34	6.760	6.846	0.086
5E+12	35	6.762	6.845	0.083
5E+12	36	6.764	6.847	0.083
5E+12	37	6.764	6.847	0.083
1E+13	38	6.760	6.844	0.084
1E+13	39	6.764	6.849	0.084
1E+13	40	6.763	6.846	0.083
1E+13	41	6.763	6.847	0.083
	Max	6.764	6.851	0.087
	Average	6.762	6.847	0.085
	Min	6.760	6.844	0.083
	Std Dev	0.002	0.002	0.001

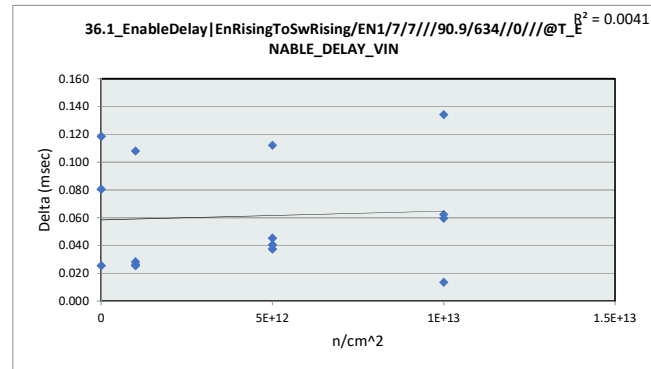


35.6_EnableDelay EnFallingToSwFalling/EN4/3/3///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Max Limit	33		usec	
Min Limit	3		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	6.846	6.846	6.845	6.844
Average	6.847	6.847	6.846	6.846
Max	6.847	6.851	6.847	6.849
UL	33.000	33.000	33.000	33.000

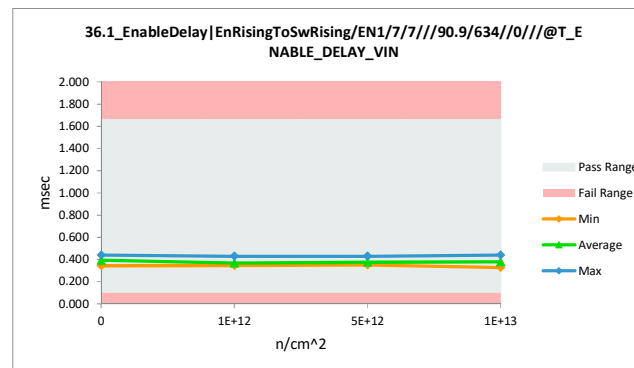


NDD Report TPS7H4102-SP

36.1_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN1/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	msec		msec	
Max Limit	1.7		1.66	
Min Limit	-0.212		0.1	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.322	0.440	0.118
0	2	0.318	0.398	0.080
0	3	0.318	0.343	0.025
1E+12	30	0.325	0.351	0.026
1E+12	31	0.321	0.429	0.108
1E+12	32	0.321	0.346	0.025
1E+12	33	0.318	0.346	0.028
5E+12	34	0.311	0.351	0.040
5E+12	35	0.321	0.358	0.037
5E+12	36	0.318	0.363	0.045
5E+12	37	0.318	0.430	0.112
1E+13	38	0.306	0.440	0.134
1E+13	39	0.314	0.373	0.059
1E+13	40	0.314	0.376	0.062
1E+13	41	0.314	0.327	0.013
	Max	0.325	0.440	0.134
	Average	0.317	0.378	0.061
	Min	0.306	0.327	0.013
	Std Dev	0.005	0.039	0.040

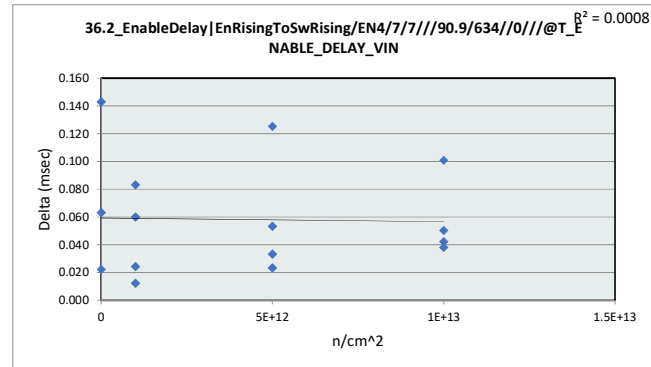


36.1_EnableDelay EnRisingToSwRising/EN1/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	0.343	0.346	0.351	0.327
Average	0.394	0.368	0.376	0.379
Max	0.440	0.429	0.430	0.440
UL	1.660	1.660	1.660	1.660

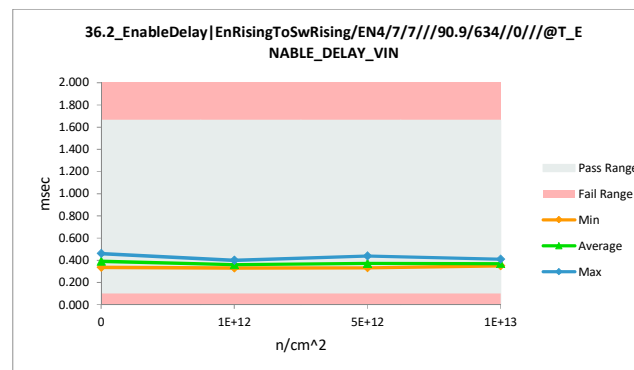


NDD Report TPS7H4102-SP

36.2_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN4/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	msec		msec	
Max Limit	1.7		1.66	
Min Limit	-0.212		0.1	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.317	0.460	0.143
0	2	0.313	0.377	0.063
0	3	0.313	0.336	0.022
1E+12	30	0.319	0.331	0.012
1E+12	31	0.317	0.341	0.024
1E+12	32	0.317	0.376	0.060
1E+12	33	0.317	0.400	0.083
5E+12	34	0.310	0.333	0.023
5E+12	35	0.317	0.351	0.033
5E+12	36	0.313	0.367	0.053
5E+12	37	0.313	0.439	0.125
1E+13	38	0.310	0.410	0.101
1E+13	39	0.313	0.355	0.042
1E+13	40	0.313	0.350	0.038
1E+13	41	0.313	0.363	0.050
	Max	0.319	0.460	0.143
	Average	0.314	0.372	0.058
	Min	0.310	0.331	0.012
	Std Dev	0.003	0.039	0.039

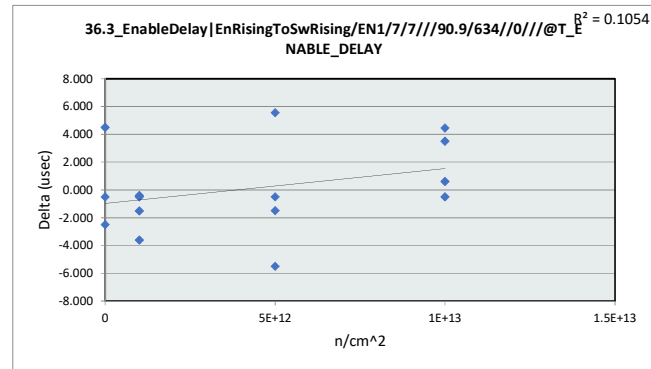


36.2_EnableDelay EnRisingToSwRising/EN4/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	0.336	0.331	0.333	0.351
Average	0.391	0.362	0.372	0.369
Max	0.460	0.400	0.439	0.410
UL	1.660	1.660	1.660	1.660

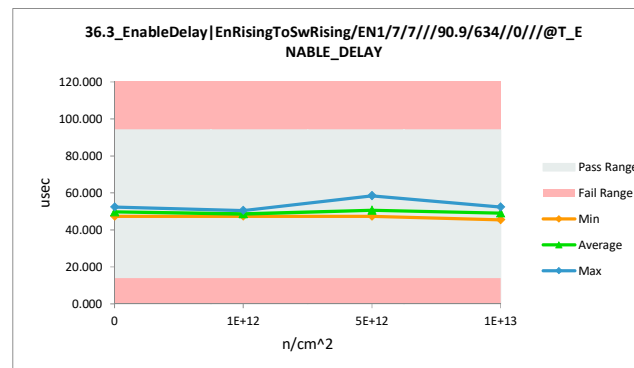


NDD Report TPS7H4102-SP

36.3_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN1/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	47.881	52.366	4.485
0	2	49.880	47.369	-2.511
0	3	49.881	49.367	-0.514
1E+12	30	50.994	47.369	-3.624
1E+12	31	50.882	50.480	-0.402
1E+12	32	50.883	49.368	-1.515
1E+12	33	47.882	47.369	-0.513
5E+12	34	48.883	47.372	-1.511
5E+12	35	49.882	49.371	-0.512
5E+12	36	52.881	58.431	5.550
5E+12	37	52.880	47.370	-5.510
1E+13	38	44.883	45.483	0.599
1E+13	39	47.883	51.370	3.487
1E+13	40	47.881	52.334	4.453
1E+13	41	47.882	47.371	-0.512
	Max	52.881	58.431	5.550
	Average	49.423	49.519	0.097
	Min	44.883	45.483	-5.510
	Std Dev	2.139	3.206	3.148

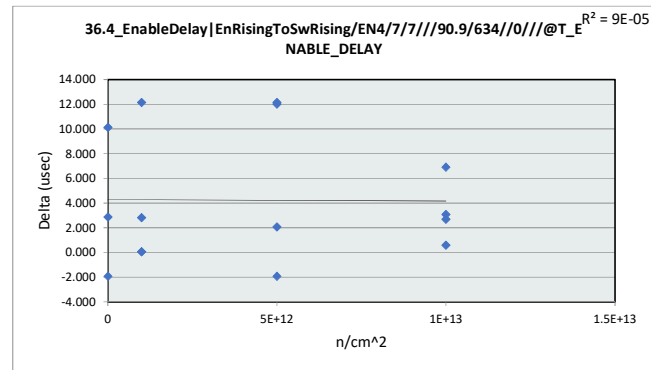


36.3_EnableDelay EnRisingToSwRising/EN1/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	94		usec	
Min Limit	14		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	47.370	47.370	47.370	45.483
Average	49.701	48.647	50.636	49.140
Max	52.366	50.480	58.431	52.335
UL	94.000	94.000	94.000	94.000

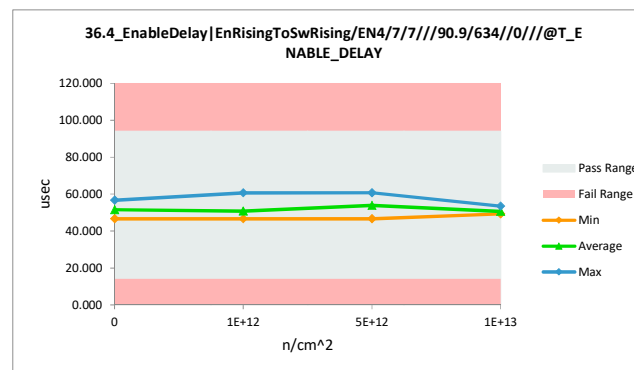


NDD Report TPS7H4102-SP

36.4_EnableDelay EnRisingToSwRising/EnRisingToSwRising/EN4/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	46.578	56.700	10.122
0	2	48.579	46.625	-1.954
0	3	48.578	51.427	2.849
1E+12	30	46.579	49.385	2.805
1E+12	31	46.578	46.622	0.044
1E+12	32	46.577	46.625	0.047
1E+12	33	48.576	60.691	12.115
5E+12	34	46.576	48.630	2.054
5E+12	35	48.576	60.698	12.122
5E+12	36	47.575	59.575	12.000
5E+12	37	48.575	46.625	-1.949
1E+13	38	49.574	50.143	0.569
1E+13	39	46.576	49.632	3.056
1E+13	40	46.576	53.462	6.885
1E+13	41	46.575	49.252	2.677
	Max	49.574	60.698	12.122
	Average	47.510	51.740	4.230
	Min	46.575	46.622	-1.954
	Std Dev	1.099	5.227	5.098

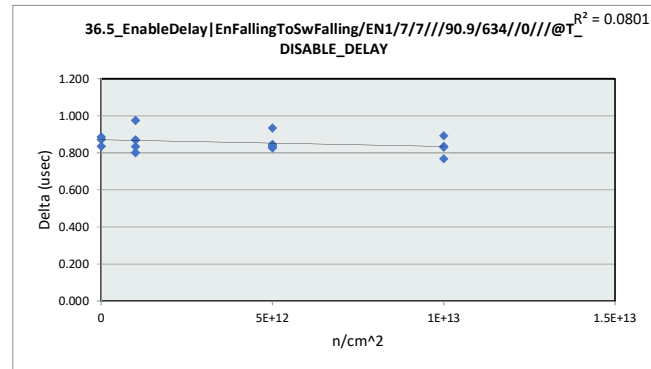


36.4_EnableDelay EnRisingToSwRising/EN4/7/7///90.9/634//0///@T_E				
Test Site				
Tester				
Test Number				
Max Limit	94		usec	
Min Limit	14		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	46.626	46.622	46.626	49.252
Average	51.584	50.831	53.882	50.622
Max	56.700	60.691	60.698	53.462
UL	94.000	94.000	94.000	94.000

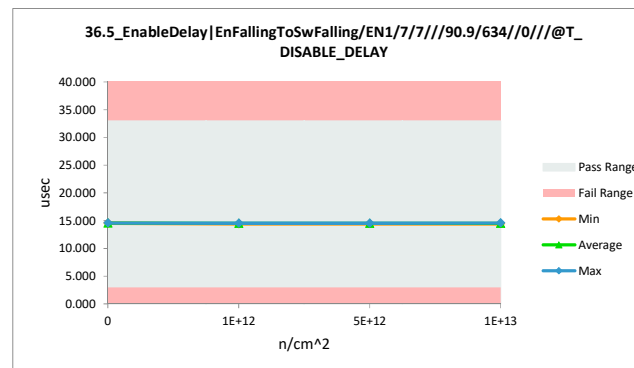


NDD Report TPS7H4102-SP

36.5_EnableDelay EnFallingToSwFalling/EN1/7/7///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	35		33	
Min Limit	-3		3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	13.700	14.533	0.833
0	2	13.690	14.561	0.871
0	3	13.681	14.566	0.885
1E+12	30	13.679	14.478	0.799
1E+12	31	13.571	14.545	0.974
1E+12	32	13.571	14.404	0.833
1E+12	33	13.687	14.557	0.870
5E+12	34	13.681	14.525	0.844
5E+12	35	13.660	14.494	0.835
5E+12	36	13.613	14.439	0.825
5E+12	37	13.614	14.548	0.934
1E+13	38	13.648	14.477	0.829
1E+13	39	13.676	14.568	0.892
1E+13	40	13.682	14.450	0.767
1E+13	41	13.671	14.505	0.834
	Max	13.700	14.568	0.974
	Average	13.655	14.510	0.855
	Min	13.571	14.404	0.767
	Std Dev	0.042	0.051	0.052

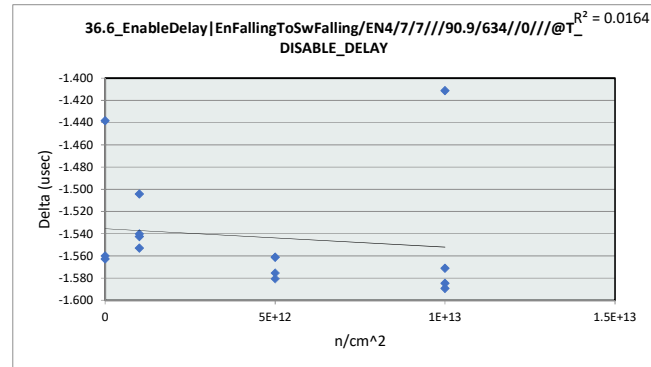


36.5_EnableDelay EnFallingToSwFalling/EN1/7/7///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Max Limit	33		usec	
Min Limit	3		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	14.533	14.404	14.439	14.450
Average	14.553	14.496	14.502	14.500
Max	14.566	14.557	14.548	14.568
UL	33.000	33.000	33.000	33.000

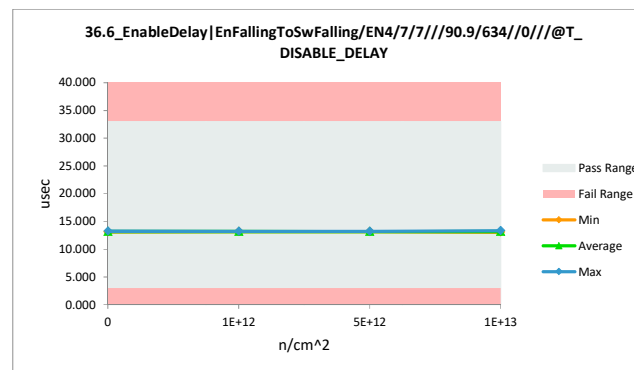


NDD Report TPS7H4102-SP

36.6_EnableDelay EnFallingToSwFalling/EN4/7/7///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	35		33	
Min Limit	-3		3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	14.786	13.223	-1.563
0	2	14.671	13.232	-1.439
0	3	14.668	13.108	-1.560
1E+12	30	14.761	13.221	-1.540
1E+12	31	14.702	13.198	-1.505
1E+12	32	14.699	13.156	-1.543
1E+12	33	14.725	13.172	-1.553
5E+12	34	14.699	13.137	-1.561
5E+12	35	14.779	13.203	-1.576
5E+12	36	14.733	13.172	-1.562
5E+12	37	14.733	13.152	-1.581
1E+13	38	14.663	13.078	-1.585
1E+13	39	14.729	13.318	-1.411
1E+13	40	14.734	13.145	-1.590
1E+13	41	14.733	13.161	-1.571
	Max	14.786	13.318	-1.411
	Average	14.721	13.178	-1.543
	Min	14.663	13.078	-1.590
	Std Dev	0.038	0.058	0.052

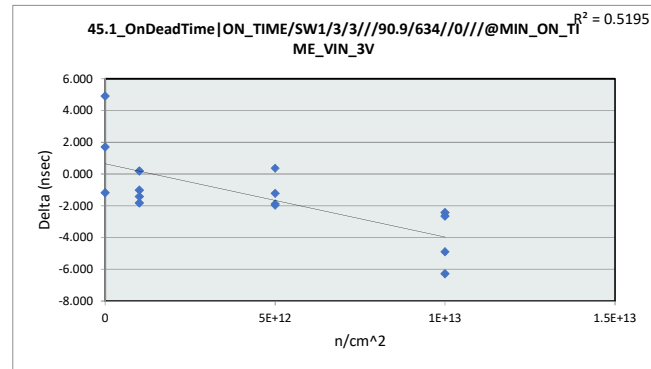


36.6_EnableDelay EnFallingToSwFalling/EN4/7/7///90.9/634//0///@T_				
Test Site				
Tester				
Test Number				
Max Limit	33		usec	
Min Limit	3		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	13.108	13.156	13.137	13.078
Average	13.188	13.187	13.166	13.175
Max	13.232	13.221	13.203	13.318
UL	33.000	33.000	33.000	33.000

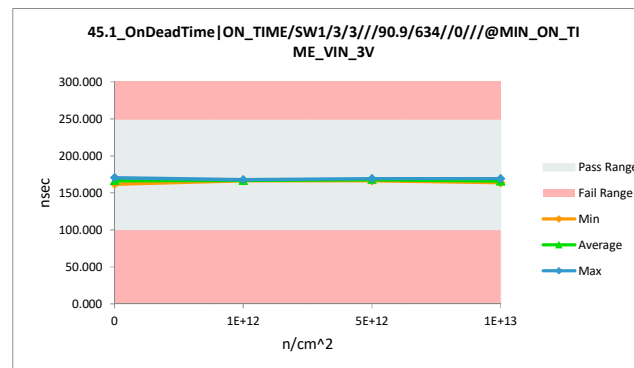


NDD Report TPS7H4102-SP

45.1_OnDeadTime ON_TIME/SW1/3/3//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	260	248		
Min Limit	70.4	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	168.761	170.454	1.693
0	2	162.676	167.579	4.903
0	3	162.940	161.747	-1.193
1E+12	30	167.168	167.350	0.182
1E+12	31	168.077	166.238	-1.840
1E+12	32	168.018	166.576	-1.442
1E+12	33	168.928	167.900	-1.028
5E+12	34	168.733	167.499	-1.234
5E+12	35	171.135	169.235	-1.900
5E+12	36	168.273	166.290	-1.984
5E+12	37	168.047	168.393	0.346
1E+13	38	166.463	163.798	-2.664
1E+13	39	171.338	165.039	-6.299
1E+13	40	171.468	166.561	-4.907
1E+13	41	171.783	169.339	-2.444
	Max	171.783	170.454	4.903
	Average	168.254	166.933	-1.321
	Min	162.676	161.747	-6.299
	Std Dev	2.744	2.219	2.601

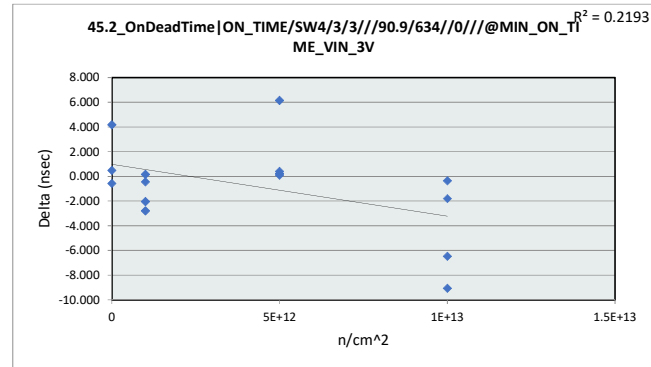


45.1_OnDeadTime ON_TIME/SW1/3/3//				
Test Site				
Tester				
Test Number				
Max Limit	248	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	161.748	166.238	166.290	163.799
Average	166.594	167.016	167.854	166.184
Max	170.454	167.900	169.235	169.339
UL	248.000	248.000	248.000	248.000

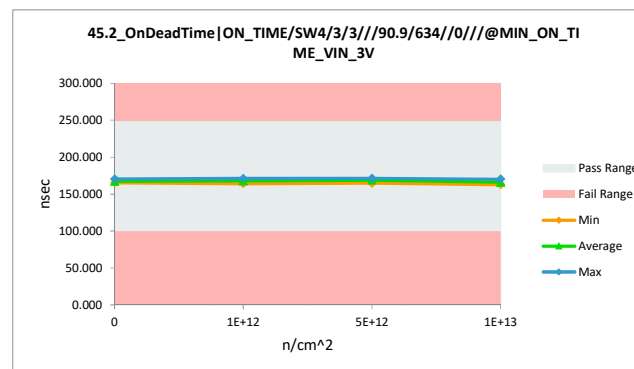


NDD Report TPS7H4102-SP

45.2_OnDeadTime ON_TIME/SW4/3/3//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	260	248		
Min Limit	70.4	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	166.215	170.379	4.164
0	2	165.964	166.419	0.454
0	3	165.962	165.365	-0.597
1E+12	30	166.780	163.969	-2.811
1E+12	31	169.233	167.166	-2.067
1E+12	32	169.393	168.916	-0.477
1E+12	33	171.048	171.193	0.145
5E+12	34	170.330	170.710	0.380
5E+12	35	169.236	169.305	0.070
5E+12	36	164.600	164.797	0.197
5E+12	37	165.101	171.233	6.132
1E+13	38	167.124	166.734	-0.391
1E+13	39	171.504	165.018	-6.486
1E+13	40	171.786	162.712	-9.074
1E+13	41	171.953	170.127	-1.826
	Max	171.953	171.233	6.132
	Average	168.415	167.603	-0.812
	Min	164.600	162.712	-9.074
	Std Dev	2.578	2.847	3.646

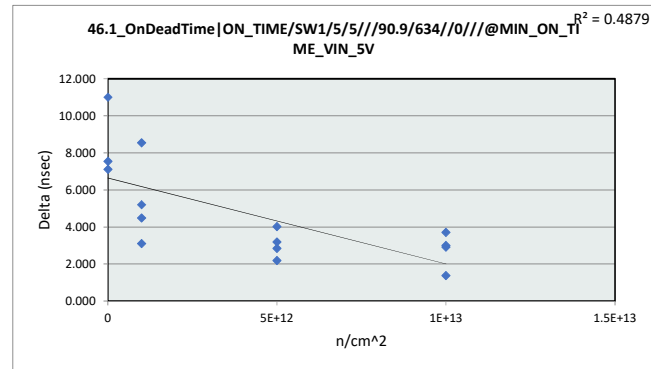


45.2_OnDeadTime ON_TIME/SW4/3/3//90.9/634//0///@MIN_ON_TI ME_VIN_3V				
Test Site				
Tester				
Test Number				
Max Limit	248	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	165.365	163.969	164.797	162.712
Average	167.388	167.811	169.012	166.148
Max	170.379	171.193	171.233	170.127
UL	248.000	248.000	248.000	248.000

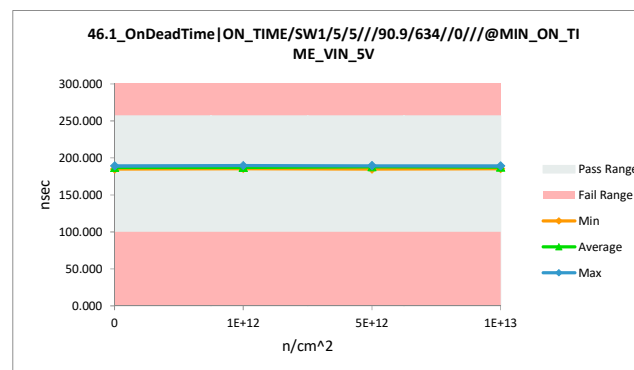


NDD Report TPS7H4102-SP

46.1_OnDeadTime ON_TIME/SW1/5/5//				
Test Site				
Tester				
Test Number				
Unit	nsec		nsec	
Max Limit	270		257	
Min Limit	68.6		100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	181.462	188.994	7.532
0	2	177.074	188.064	10.990
0	3	177.714	184.807	7.092
1E+12	30	181.238	189.764	8.526
1E+12	31	181.954	186.417	4.463
1E+12	32	182.302	187.491	5.189
1E+12	33	182.175	185.262	3.087
5E+12	34	181.722	184.896	3.174
5E+12	35	186.107	188.283	2.176
5E+12	36	186.674	189.501	2.827
5E+12	37	185.098	189.106	4.008
1E+13	38	182.350	185.339	2.990
1E+13	39	185.416	186.779	1.363
1E+13	40	185.379	189.070	3.691
1E+13	41	185.417	188.306	2.890
	Max	186.674	189.764	10.990
	Average	182.805	187.472	4.667
	Min	177.074	184.807	1.363
	Std Dev	2.893	1.760	2.697

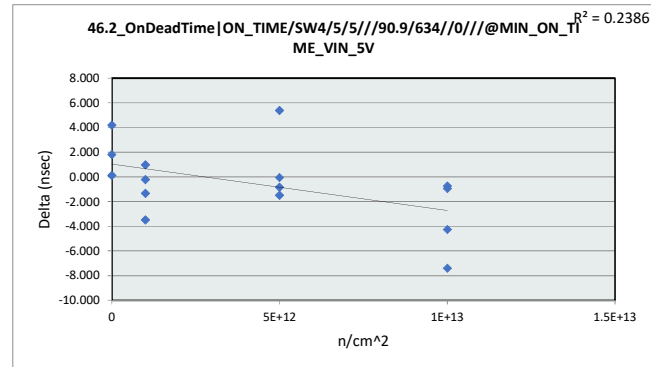


46.1_OnDeadTime ON_TIME/SW1/5/5//90.9/634//0///@MIN_ON_TI ME_VIN_5V				
Test Site				
Tester				
Test Number				
Max Limit	257		nsec	
Min Limit	100		nsec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	184.807	185.262	184.896	185.339
Average	187.288	187.234	187.947	187.374
Max	188.994	189.764	189.501	189.070
UL	257.000	257.000	257.000	257.000

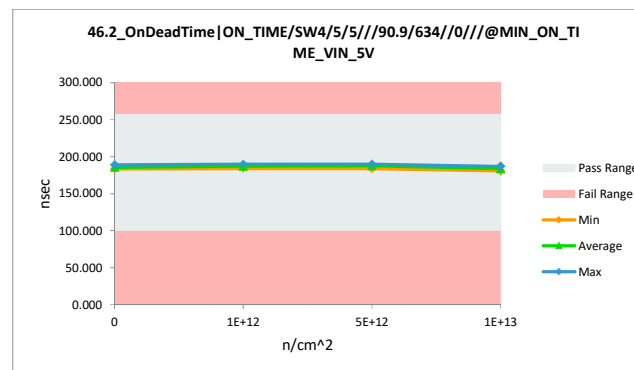


NDD Report TPS7H4102-SP

46.2_OnDeadTime ON_TIME/SW4/5/5//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	270	257		
Min Limit	68.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	184.574	188.748	4.174
0	2	183.295	185.095	1.800
0	3	183.268	183.371	0.102
1E+12	30	185.478	184.136	-1.342
1E+12	31	188.667	185.164	-3.503
1E+12	32	188.164	189.126	0.962
1E+12	33	190.176	189.930	-0.247
5E+12	34	190.099	188.602	-1.497
5E+12	35	188.192	188.121	-0.070
5E+12	36	184.756	183.897	-0.859
5E+12	37	184.528	189.900	5.372
1E+13	38	184.351	183.599	-0.751
1E+13	39	188.270	183.995	-4.275
1E+13	40	188.286	180.883	-7.403
1E+13	41	187.815	186.863	-0.952
	Max	190.176	189.930	5.372
	Average	186.661	186.095	-0.566
	Min	183.268	180.883	-7.403
	Std Dev	2.412	2.830	3.132

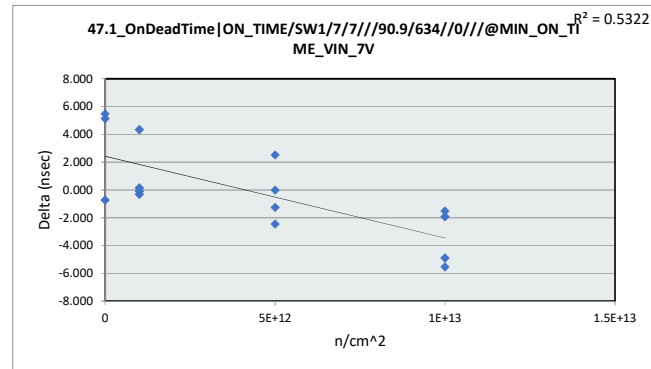


46.2_OnDeadTime ON_TIME/SW4/5/5//90.9/634//0///@MIN_ON_TI ME_VIN_5V				
Test Site				
Tester				
Test Number				
Max Limit	257	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	183.371	184.136	183.897	180.883
Average	185.738	187.089	187.630	183.835
Max	188.748	189.930	189.900	186.864
UL	257.000	257.000	257.000	257.000

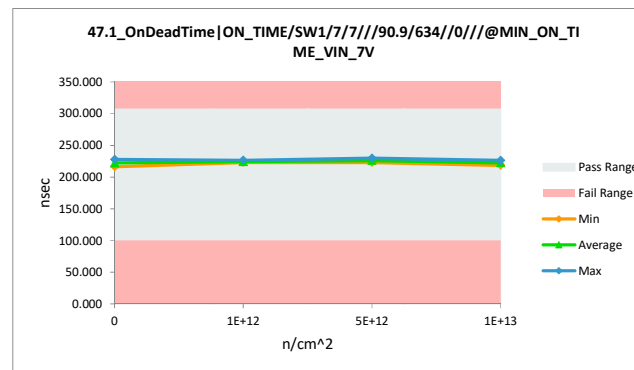


NDD Report TPS7H4102-SP

47.1_OnDeadTime ON_TIME/SW1/7/7//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	320	307		
Min Limit	58.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	222.568	227.693	5.124
0	2	217.104	222.570	5.466
0	3	217.130	216.382	-0.747
1E+12	30	222.264	226.590	4.327
1E+12	31	222.992	222.907	-0.084
1E+12	32	222.968	223.105	0.137
1E+12	33	224.498	224.161	-0.337
5E+12	34	223.172	223.136	-0.036
5E+12	35	227.206	229.721	2.515
5E+12	36	227.738	226.464	-1.273
5E+12	37	227.646	225.192	-2.455
1E+13	38	220.386	218.449	-1.937
1E+13	39	227.718	222.822	-4.896
1E+13	40	228.499	222.956	-5.543
1E+13	41	227.661	226.126	-1.535
	Max	228.499	229.721	5.466
	Average	223.970	223.885	-0.085
	Min	217.104	216.382	-5.543
	Std Dev	3.788	3.391	3.276

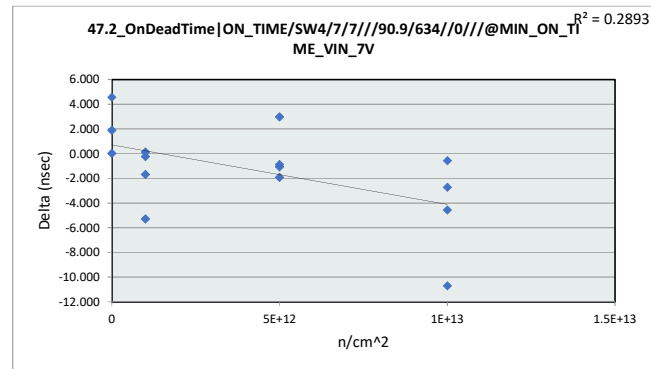


47.1_OnDeadTime ON_TIME/SW1/7/7//				
Test Site				
Tester				
Test Number				
Max Limit	307	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	216.382	222.907	223.136	218.449
Average	222.215	224.191	226.128	222.588
Max	227.693	226.590	229.721	226.126
UL	307.000	307.000	307.000	307.000

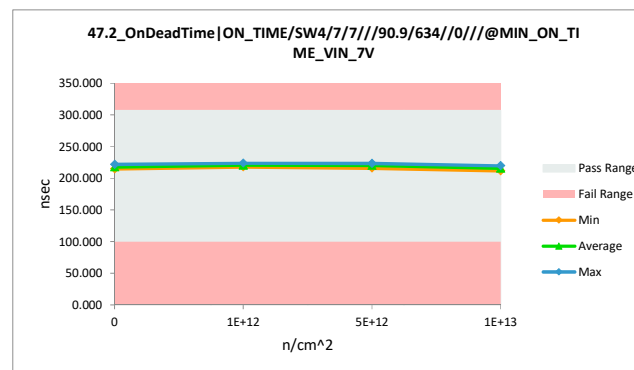


NDD Report TPS7H4102-SP

47.2_OnDeadTime ON_TIME/SW4/7/7//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	320	307		
Min Limit	58.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	217.139	221.705	4.566
0	2	215.049	216.919	1.870
0	3	214.680	214.687	0.007
1E+12	30	219.415	217.728	-1.687
1E+12	31	223.336	218.030	-5.306
1E+12	32	223.152	223.260	0.108
1E+12	33	223.893	223.646	-0.247
5E+12	34	224.485	223.414	-1.071
5E+12	35	221.011	220.130	-0.881
5E+12	36	217.854	215.927	-1.927
5E+12	37	218.460	221.430	2.969
1E+13	38	216.757	216.174	-0.583
1E+13	39	220.828	216.254	-4.574
1E+13	40	222.107	211.398	-10.709
1E+13	41	222.411	219.675	-2.736
	Max	224.485	223.646	4.566
	Average	220.038	218.692	-1.347
	Min	214.680	211.398	-10.709
	Std Dev	3.242	3.596	3.646

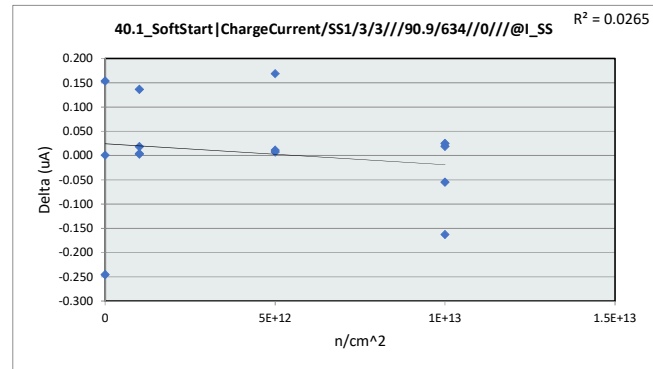


47.2_OnDeadTime ON_TIME/SW4/7/7//90.9/634//0///@MIN_ON_TI				
Test Site				
Tester				
Test Number				
Max Limit	307	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	214.687	217.728	215.927	211.398
Average	217.770	220.666	220.225	215.875
Max	221.705	223.646	223.414	219.675
UL	307.000	307.000	307.000	307.000

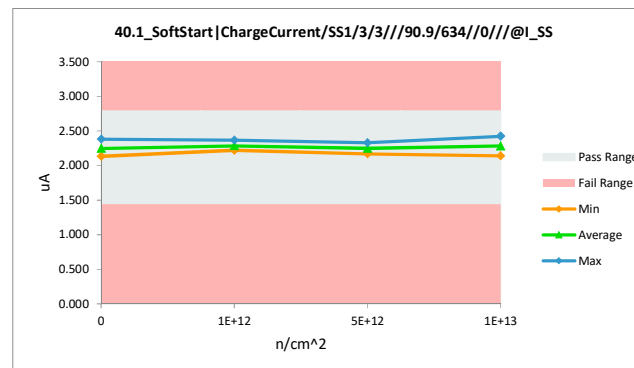


NDD Report TPS7H4102-SP

40.1_SoftStart ChargeCurrent/SS1/3/3//				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	2.83		2.79	
Min Limit	1.4		1.44	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.379	2.133	-0.246
0	2	2.228	2.381	0.153
0	3	2.228	2.229	0.000
1E+12	30	2.230	2.366	0.137
1E+12	31	2.216	2.234	0.018
1E+12	32	2.216	2.220	0.004
1E+12	33	2.312	2.315	0.003
5E+12	34	2.287	2.296	0.009
5E+12	35	2.189	2.200	0.011
5E+12	36	2.161	2.168	0.007
5E+12	37	2.161	2.329	0.168
1E+13	38	2.398	2.423	0.025
1E+13	39	2.300	2.138	-0.163
1E+13	40	2.301	2.246	-0.055
1E+13	41	2.300	2.319	0.018
	Max	2.398	2.423	0.168
	Average	2.261	2.267	0.006
	Min	2.161	2.133	-0.246
	Std Dev	0.072	0.089	0.107

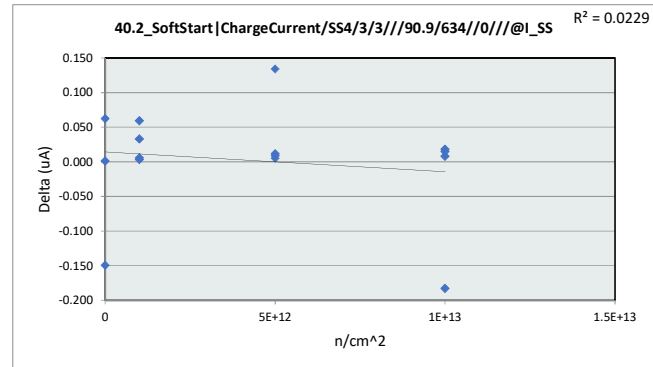


40.1_SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Max Limit	2.79		uA	
Min Limit	1.44		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.440	1.440	1.440	1.440
Min	2.133	2.220	2.168	2.138
Average	2.248	2.284	2.248	2.281
Max	2.381	2.366	2.329	2.423
UL	2.790	2.790	2.790	2.790

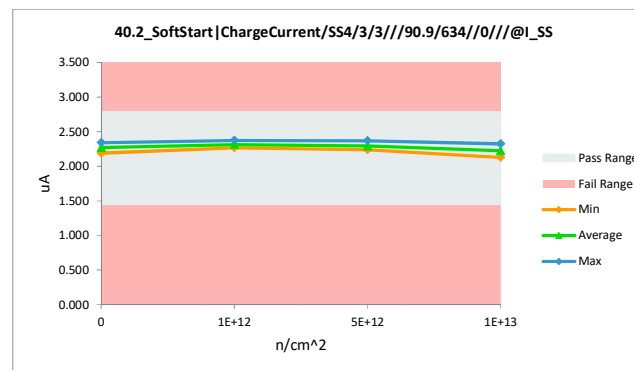


NDD Report TPS7H4102-SP

40.2_SoftStart ChargeCurrent/SS4/3/3//				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	2.83		2.79	
Min Limit	1.4		1.44	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.341	2.191	-0.150
0	2	2.280	2.342	0.062
0	3	2.280	2.281	0.001
1E+12	30	2.315	2.374	0.059
1E+12	31	2.286	2.319	0.033
1E+12	32	2.288	2.291	0.003
1E+12	33	2.261	2.267	0.006
5E+12	34	2.282	2.291	0.008
5E+12	35	2.258	2.269	0.011
5E+12	36	2.235	2.240	0.005
5E+12	37	2.235	2.369	0.134
1E+13	38	2.111	2.129	0.018
1E+13	39	2.310	2.127	-0.183
1E+13	40	2.311	2.319	0.008
1E+13	41	2.310	2.325	0.014
	Max	2.341	2.374	0.134
	Average	2.274	2.276	0.002
	Min	2.111	2.127	-0.183
	Std Dev	0.054	0.076	0.077

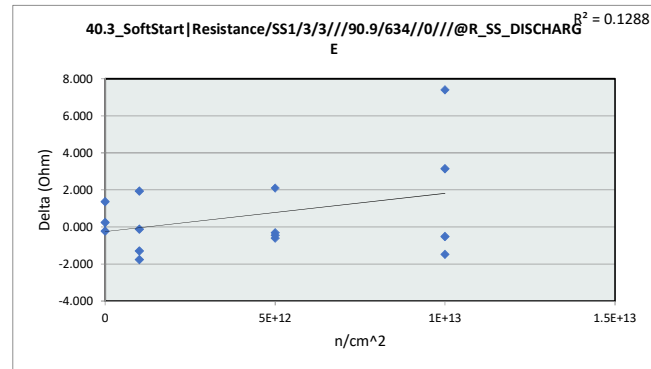


40.2_SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Max Limit	2.79		uA	
Min Limit	1.44		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.440	1.440	1.440	1.440
Min	2.191	2.267	2.240	2.127
Average	2.272	2.313	2.292	2.225
Max	2.342	2.374	2.369	2.325
UL	2.790	2.790	2.790	2.790

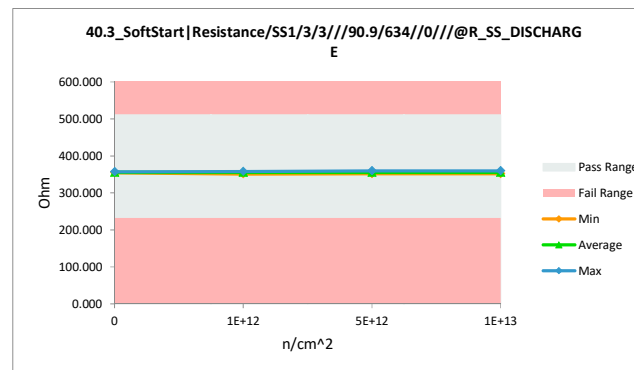


NDD Report TPS7H4102-SP

40.3_SoftStart Resistance/SS1/3/3///90.9/634//0///@R_SS_DISCHARG				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	355.426	356.784	1.358
0	2	354.948	355.194	0.246
0	3	354.942	354.717	-0.225
1E+12	30	356.101	358.038	1.937
1E+12	31	357.650	355.885	-1.765
1E+12	32	357.757	356.458	-1.299
1E+12	33	351.302	351.189	-0.113
5E+12	34	351.818	351.369	-0.449
5E+12	35	352.917	352.608	-0.309
5E+12	36	357.678	357.078	-0.600
5E+12	37	357.642	359.740	2.099
1E+13	38	355.609	354.133	-1.476
1E+13	39	352.147	359.551	7.403
1E+13	40	352.245	355.385	3.141
1E+13	41	352.169	351.661	-0.509
	Max	357.757	359.740	7.403
	Average	354.690	355.319	0.629
	Min	351.302	351.189	-1.765
	Std Dev	2.405	2.763	2.342

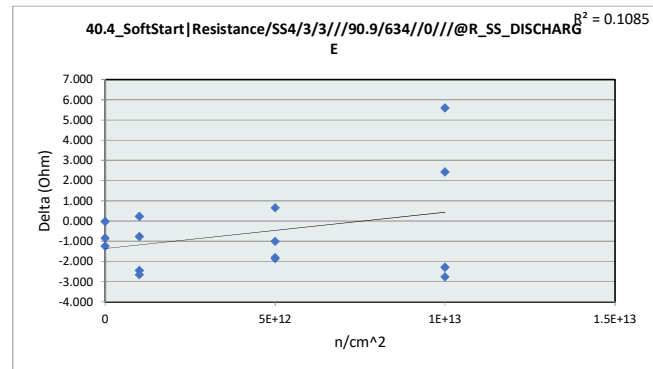


40.3_SoftStart Resistance/SS1/3/3///90.9/634//0///@R_SS_DISCHARG				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	354.717	351.189	351.369	351.661
Average	355.565	355.393	355.199	355.183
Max	356.784	358.038	359.740	359.551
UL	511.000	511.000	511.000	511.000

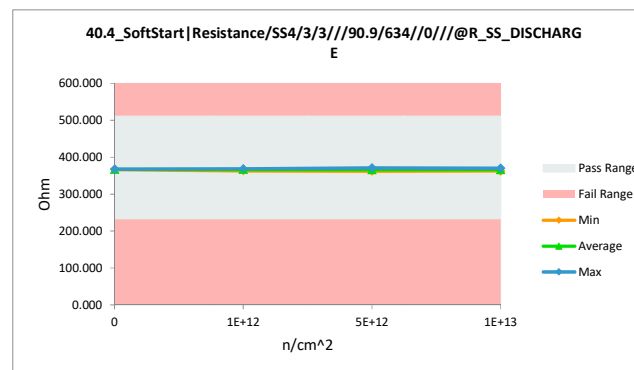


NDD Report TPS7H4102-SP

40.4_SoftStart Resistance/SS4/3/3///90.9/634//0///@R_SS_DISCHARGE				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	367.351	367.322	-0.029
0	2	367.845	366.587	-1.258
0	3	367.830	366.971	-0.859
1E+12	30	368.265	368.486	0.220
1E+12	31	369.958	367.507	-2.451
1E+12	32	369.996	367.326	-2.671
1E+12	33	363.809	363.031	-0.778
5E+12	34	363.877	362.065	-1.811
5E+12	35	365.021	364.004	-1.018
5E+12	36	370.244	368.369	-1.875
5E+12	37	370.043	370.689	0.646
1E+13	38	368.130	365.358	-2.772
1E+13	39	364.420	370.004	5.585
1E+13	40	364.621	367.046	2.424
1E+13	41	364.588	362.292	-2.296
	Max	370.244	370.689	5.585
	Average	367.067	366.470	-0.596
	Min	363.809	362.065	-2.772
	Std Dev	2.447	2.633	2.221

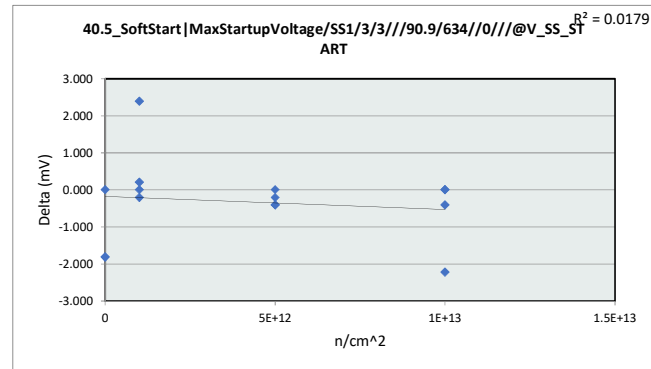


40.4_SoftStart Resistance/SS4/3/3///90.9/634//0///@R_SS_DISCHARGE				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	366.588	363.031	362.066	362.292
Average	366.960	366.587	366.282	366.175
Max	367.322	368.486	370.689	370.004
UL	511.000	511.000	511.000	511.000

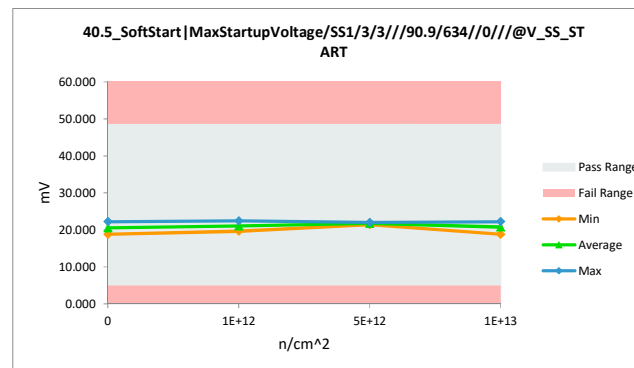


NDD Report TPS7H4102-SP

40.5_SoftStart MaxStartupVoltage/SS1/3				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	50		48.5	
Min Limit	-3.7		5	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	20.631	18.817	-1.814
0	2	22.444	20.631	-1.814
0	3	22.238	22.238	0.000
1E+12	30	22.238	22.444	0.206
1E+12	31	19.641	22.032	2.391
1E+12	32	19.641	19.641	0.000
1E+12	33	20.218	20.012	-0.206
5E+12	34	21.620	21.414	-0.206
5E+12	35	22.444	22.032	-0.412
5E+12	36	22.032	21.620	-0.412
5E+12	37	22.032	22.032	0.000
1E+13	38	22.650	22.238	-0.412
1E+13	39	21.043	21.043	0.000
1E+13	40	21.043	18.817	-2.226
1E+13	41	21.043	21.043	0.000
	Max	22.650	22.444	2.391
	Average	21.397	21.070	-0.327
	Min	19.641	18.817	-2.226
	Std Dev	1.020	1.234	1.078

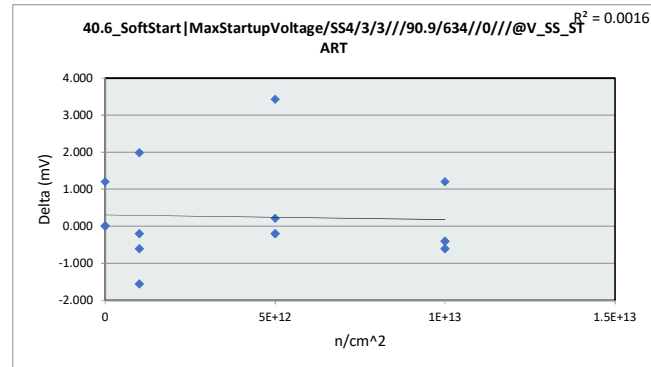


40.5_SoftStart MaxStartupVoltage/SS1/3/3///90.9/634//0///@V_SS_ST				
Test Site				
Tester				
Test Number				
Max Limit	48.5		mV	
Min Limit	5		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	18.817	19.641	21.414	18.817
Average	20.562	21.032	21.774	20.785
Max	22.238	22.444	22.032	22.238
UL	48.500	48.500	48.500	48.500

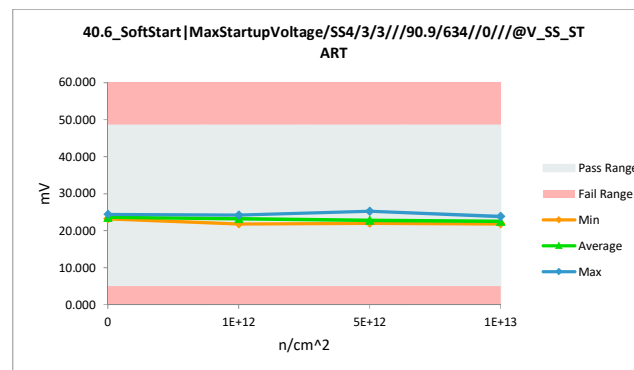


NDD Report TPS7H4102-SP

40.6_SoftStart MaxStartupVoltage/SS4/3				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	50		48.5	
Min Limit	-3.7		5	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	23.227	24.423	1.195
0	2	23.227	23.227	0.000
0	3	23.227	23.227	0.000
1E+12	30	24.423	22.856	-1.566
1E+12	31	22.238	24.217	1.979
1E+12	32	22.444	21.826	-0.618
1E+12	33	24.217	24.010	-0.206
5E+12	34	22.238	22.032	-0.206
5E+12	35	22.238	22.032	-0.206
5E+12	36	21.826	22.032	0.206
5E+12	37	21.826	25.247	3.421
1E+13	38	22.444	21.826	-0.618
1E+13	39	22.650	23.846	1.195
1E+13	40	22.650	22.238	-0.412
1E+13	41	22.650	22.238	-0.412
	Max	24.423	25.247	3.421
	Average	22.768	23.018	0.250
	Min	21.826	21.826	-1.566
	Std Dev	0.772	1.106	1.233

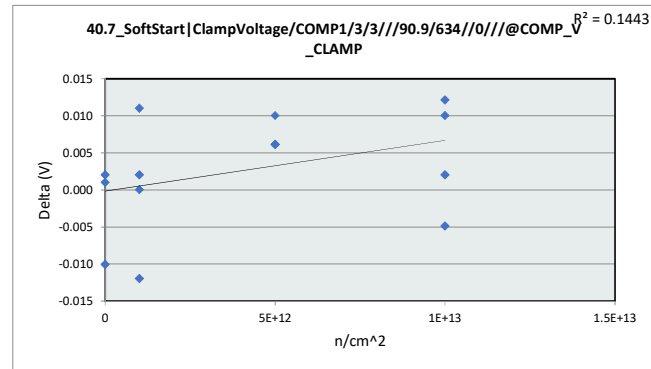


40.6_SoftStart MaxStartupVoltage/SS4/3/3///90.9/634//0///@V_SS_ST				
Test Site				
Tester				
Test Number				
Max Limit	48.5		mV	
Min Limit	5		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	23.227	21.826	22.032	21.826
Average	23.626	23.227	22.836	22.537
Max	24.423	24.217	25.247	23.846
UL	48.500	48.500	48.500	48.500

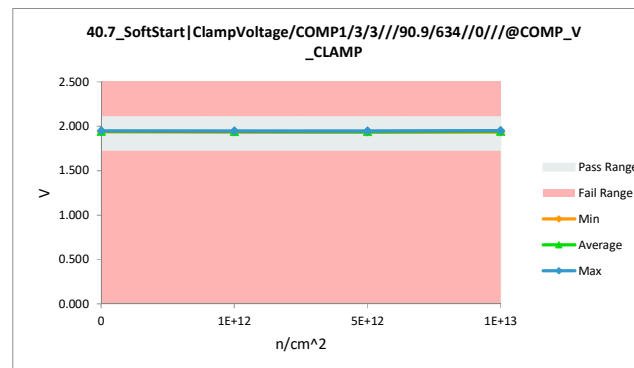


NDD Report TPS7H4102-SP

40.7_SoftStart ClampVoltage/COMP1/3/3				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.13		2.105	
Min Limit	1.7		1.725	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.949	1.939	-0.010
0	2	1.947	1.949	0.002
0	3	1.947	1.948	0.001
1E+12	30	1.935	1.946	0.011
1E+12	31	1.948	1.936	-0.012
1E+12	32	1.948	1.948	0.000
1E+12	33	1.941	1.942	0.002
5E+12	34	1.941	1.947	0.006
5E+12	35	1.929	1.936	0.006
5E+12	36	1.931	1.937	0.006
5E+12	37	1.931	1.941	0.010
1E+13	38	1.933	1.945	0.012
1E+13	39	1.941	1.937	-0.005
1E+13	40	1.941	1.944	0.002
1E+13	41	1.941	1.952	0.010
	Max	1.949	1.952	0.012
	Average	1.940	1.943	0.003
	Min	1.929	1.936	-0.012
	Std Dev	0.007	0.005	0.007

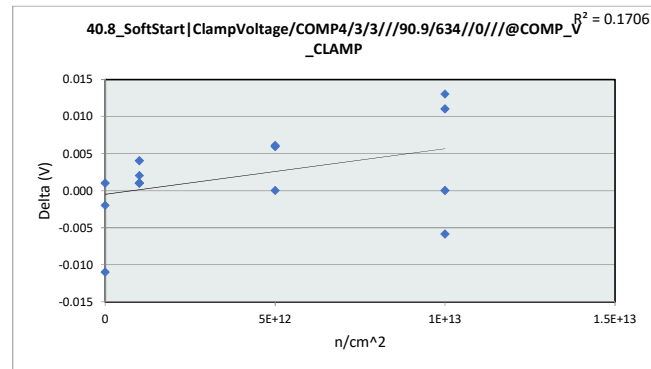


40.7_SoftStart ClampVoltage/				
Test Site				
Tester				
Test Number				
Max Limit	2.105		V	
Min Limit	1.725		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.939	1.936	1.936	1.937
Average	1.945	1.943	1.940	1.944
Max	1.949	1.948	1.947	1.952
UL	2.105	2.105	2.105	2.105

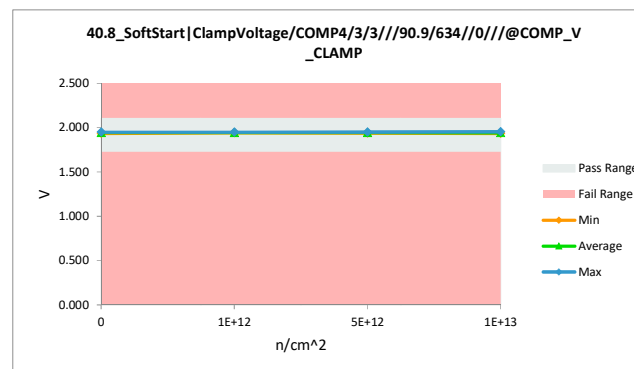


NDD Report TPS7H4102-SP

40.8_SoftStart ClampVoltage/COMP4/3/3				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.13		2.105	
Min Limit	1.7		1.725	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.945	1.934	-0.011
0	2	1.947	1.945	-0.002
0	3	1.947	1.948	0.001
1E+12	30	1.941	1.942	0.001
1E+12	31	1.939	1.944	0.004
1E+12	32	1.939	1.941	0.001
1E+12	33	1.945	1.947	0.002
5E+12	34	1.944	1.949	0.006
5E+12	35	1.941	1.947	0.006
5E+12	36	1.936	1.941	0.006
5E+12	37	1.936	1.936	0.000
1E+13	38	1.929	1.939	0.011
1E+13	39	1.939	1.934	-0.006
1E+13	40	1.941	1.941	0.000
1E+13	41	1.939	1.952	0.013
	Max	1.947	1.952	0.013
	Average	1.940	1.943	0.002
	Min	1.929	1.934	-0.011
	Std Dev	0.005	0.006	0.006

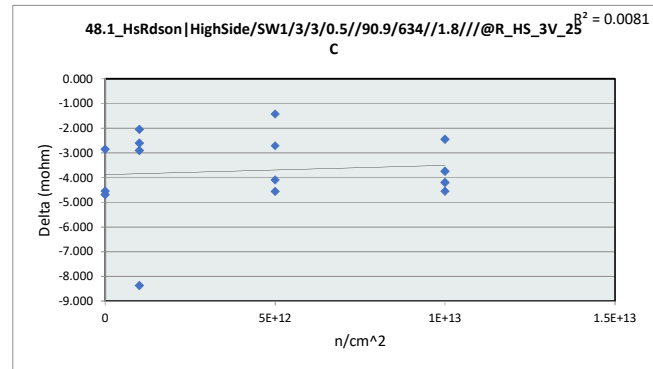


40.8_SoftStart ClampVoltage/				
Test Site				
Tester				
Test Number				
Max Limit	2.105		V	
Min Limit	1.725		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.934	1.941	1.936	1.934
Average	1.942	1.943	1.943	1.942
Max	1.948	1.947	1.950	1.953
UL	2.105	2.105	2.105	2.105

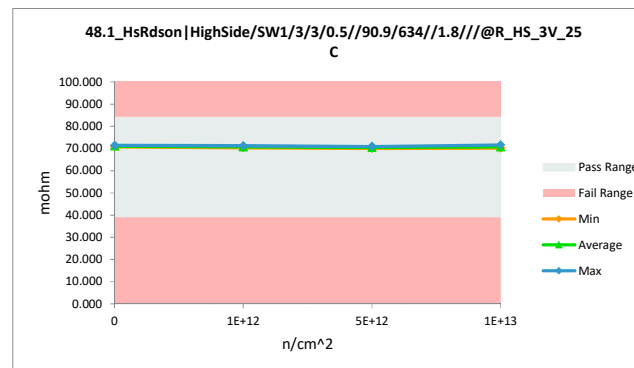


NDD Report TPS7H4102-SP

48.1_HsRdson HighSide/SW1/3/3/0.5//90.9/634//1.8///@R_HS_3V_25				
Test Site				
Tester				
Test Number				
Unit	mohm	mohm		
Max Limit	88	84		
Min Limit	30	39		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	74.303	71.450	-2.853
0	2	75.491	70.798	-4.694
0	3	75.404	70.856	-4.548
1E+12	30	78.781	70.408	-8.372
1E+12	31	73.872	71.268	-2.604
1E+12	32	73.858	70.947	-2.911
1E+12	33	72.409	70.361	-2.048
5E+12	34	75.177	70.610	-4.567
5E+12	35	74.438	70.334	-4.104
5E+12	36	72.696	69.980	-2.716
5E+12	37	72.322	70.888	-1.434
1E+13	38	75.361	70.807	-4.554
1E+13	39	73.905	70.160	-3.746
1E+13	40	74.461	70.256	-4.206
1E+13	41	74.094	71.640	-2.454
	Max	78.781	71.640	-1.434
	Average	74.438	70.717	-3.721
	Min	72.322	69.980	-8.372
	Std Dev	1.581	0.482	1.655

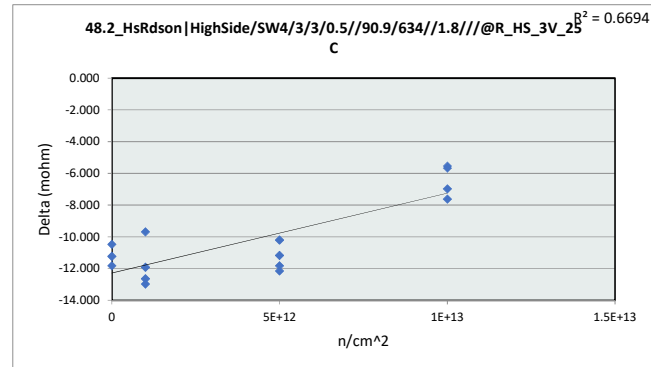


48.1_HsRdson HighSide/SW1/3/3/0.5//90.9/634//1.8///@R_HS_3V_25				
Test Site				
Tester				
Test Number				
Max Limit	84	mohm		
Min Limit	39	mohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	39.000	39.000	39.000	39.000
Min	70.798	70.361	69.980	70.160
Average	71.035	70.746	70.453	70.716
Max	71.450	71.268	70.888	71.640
UL	84.000	84.000	84.000	84.000

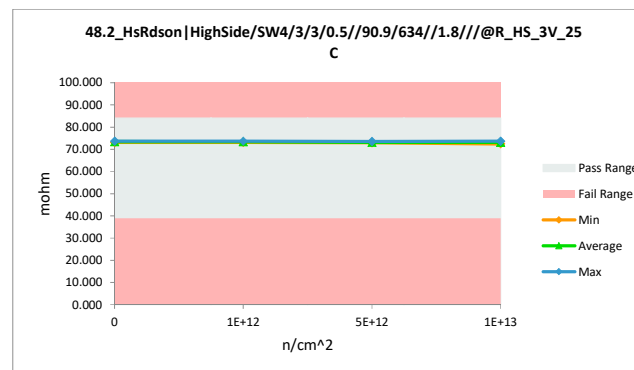


NDD Report TPS7H4102-SP

48.2_HsRdson HighSide/SW4/3/3/0.5//90.9/634//1.8///@R_HS_3V_25				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	88		84	
Min Limit	30		39	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	84.066	73.579	-10.487
0	2	84.900	73.657	-11.243
0	3	84.978	73.135	-11.843
1E+12	30	85.015	73.088	-11.926
1E+12	31	86.225	73.573	-12.653
1E+12	32	86.185	73.201	-12.984
1E+12	33	83.426	73.720	-9.706
5E+12	34	85.334	73.168	-12.166
5E+12	35	84.761	72.926	-11.836
5E+12	36	84.107	72.925	-11.182
5E+12	37	83.784	73.576	-10.207
1E+13	38	80.828	73.192	-7.636
1E+13	39	79.045	73.356	-5.688
1E+13	40	79.461	72.472	-6.989
1E+13	41	79.221	73.669	-5.552
	Max	86.225	73.720	-5.552
	Average	83.422	73.283	-10.140
	Min	79.045	72.472	-12.984
	Std Dev	2.512	0.353	2.495

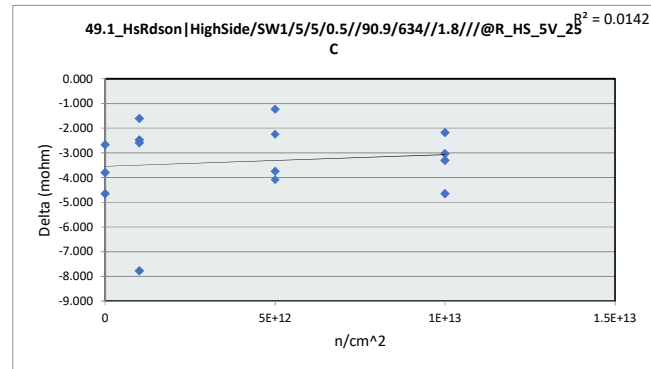


48.2_HsRdson HighSide/SW4/3/3/0.5//90.9/634//1.8///@R_HS_3V_25				
Test Site				
Tester				
Test Number				
Max Limit	84		mohm	
Min Limit	39		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	39.000	39.000	39.000	39.000
Min	73.135	73.088	72.925	72.472
Average	73.457	73.395	73.149	73.172
Max	73.657	73.720	73.577	73.669
UL	84.000	84.000	84.000	84.000

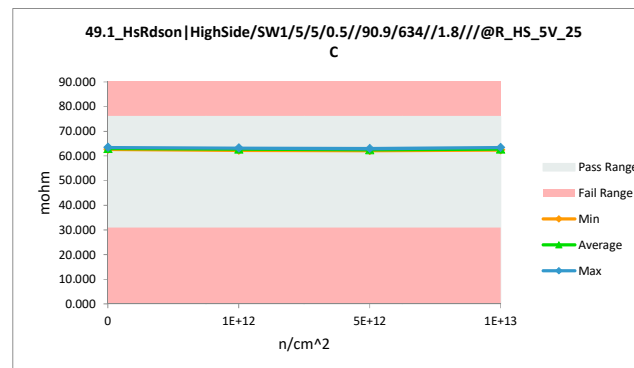


NDD Report TPS7H4102-SP

49.1_HsRdson HighSide/SW1/5/5/0.5//90.9/634//1.8///@R_HS_SV_25				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	80		76	
Min Limit	22		31	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	66.099	63.420	-2.679
0	2	67.269	62.614	-4.654
0	3	66.673	62.865	-3.808
1E+12	30	70.360	62.581	-7.779
1E+12	31	65.766	63.170	-2.596
1E+12	32	65.377	62.900	-2.477
1E+12	33	63.898	62.288	-1.610
5E+12	34	66.715	62.621	-4.094
5E+12	35	66.032	62.280	-3.752
5E+12	36	64.411	62.160	-2.251
5E+12	37	64.175	62.941	-1.234
1E+13	38	67.484	62.830	-4.654
1E+13	39	65.425	62.380	-3.045
1E+13	40	65.778	62.470	-3.309
1E+13	41	65.587	63.408	-2.179
	Max	70.360	63.420	-1.234
	Average	66.070	62.729	-3.341
	Min	63.898	62.160	-7.779
	Std Dev	1.581	0.396	1.601

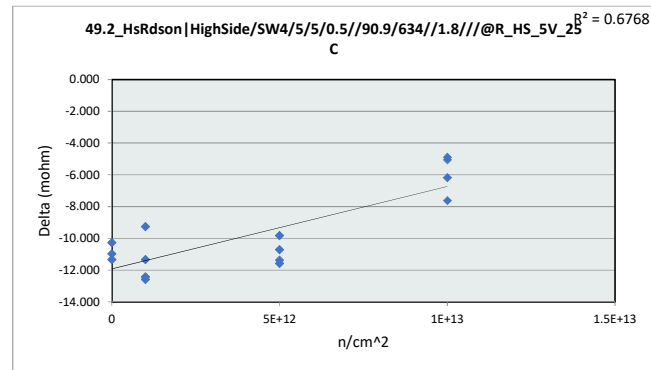


49.1_HsRdson HighSide/SW1/5/5/0.5//90.9/634//1.8///@R_HS_SV_25				
Test Site				
Tester				
Test Number				
Max Limit	76		mohm	
Min Limit	31		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	31.000	31.000	31.000	31.000
Min	62.615	62.288	62.160	62.380
Average	62.967	62.735	62.501	62.772
Max	63.420	63.170	62.941	63.408
UL	76.000	76.000	76.000	76.000

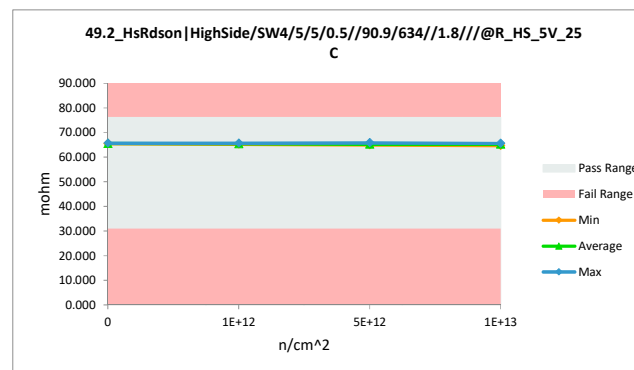


NDD Report TPS7H4102-SP

49.2_HsRdson HighSide/SW4/5/5/0.5//90.9/634//1.8///@R_HS_SV_25				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	80		76	
Min Limit	22		31	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	75.928	65.651	-10.277
0	2	76.810	65.466	-11.344
0	3	76.424	65.434	-10.990
1E+12	30	76.587	65.239	-11.348
1E+12	31	78.111	65.516	-12.595
1E+12	32	77.689	65.251	-12.439
1E+12	33	74.928	65.657	-9.271
5E+12	34	76.827	65.233	-11.594
5E+12	35	76.281	64.900	-11.382
5E+12	36	75.747	65.015	-10.732
5E+12	37	75.596	65.765	-9.831
1E+13	38	72.920	65.290	-7.630
1E+13	39	70.509	65.596	-4.913
1E+13	40	70.852	64.660	-6.192
1E+13	41	70.640	65.566	-5.074
	Max	78.111	65.765	-4.913
	Average	75.057	65.349	-9.707
	Min	70.509	64.660	-12.595
	Std Dev	2.566	0.310	2.562

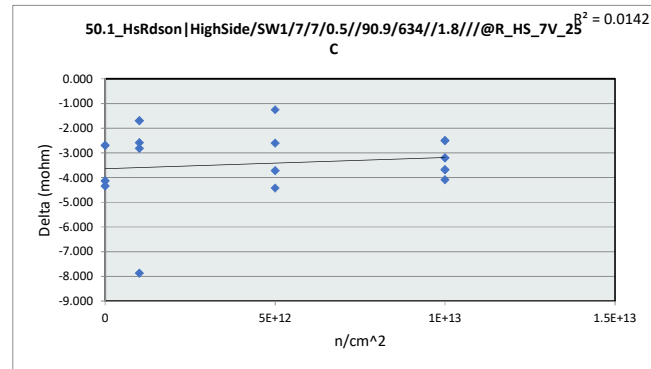


49.2_HsRdson HighSide/SW4/5/5/0.5//90.9/634//1.8///@R_HS_SV_25				
Test Site				
Tester				
Test Number				
Max Limit	76		mohm	
Min Limit	31		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	31.000	31.000	31.000	31.000
Min	65.434	65.239	64.900	64.660
Average	65.517	65.416	65.228	65.278
Max	65.651	65.657	65.765	65.596
UL	76.000	76.000	76.000	76.000

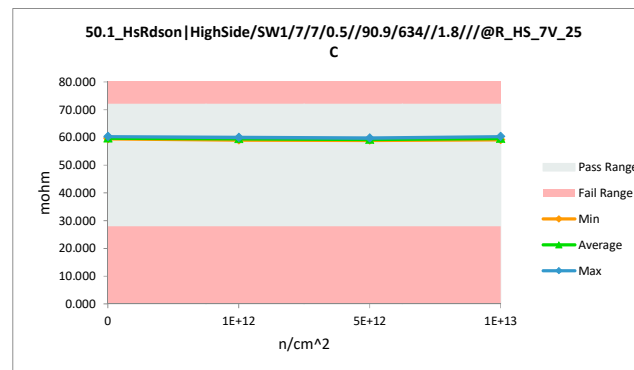


NDD Report TPS7H4102-SP

50.1_HsRdson HighSide/SW1/7/7/0.5//90.9/634//1.8///@R_HS_7V_25				
Test Site				
Tester				
Test Number				
Unit	mohm	mohm		
Max Limit	76	72		
Min Limit	19.2	28		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	62.980	60.278	-2.702
0	2	63.838	59.487	-4.351
0	3	63.628	59.488	-4.140
1E+12	30	67.255	59.378	-7.876
1E+12	31	62.573	59.979	-2.594
1E+12	32	62.437	59.611	-2.827
1E+12	33	60.710	59.007	-1.703
5E+12	34	63.723	59.290	-4.433
5E+12	35	62.791	59.062	-3.729
5E+12	36	61.545	58.931	-2.614
5E+12	37	60.994	59.737	-1.256
1E+13	38	63.875	59.780	-4.095
1E+13	39	62.419	59.205	-3.215
1E+13	40	62.926	59.239	-3.687
1E+13	41	62.769	60.256	-2.513
	Max	67.255	60.278	-1.256
	Average	62.964	59.515	-3.449
	Min	60.710	58.931	-7.876
	Std Dev	1.530	0.424	1.549

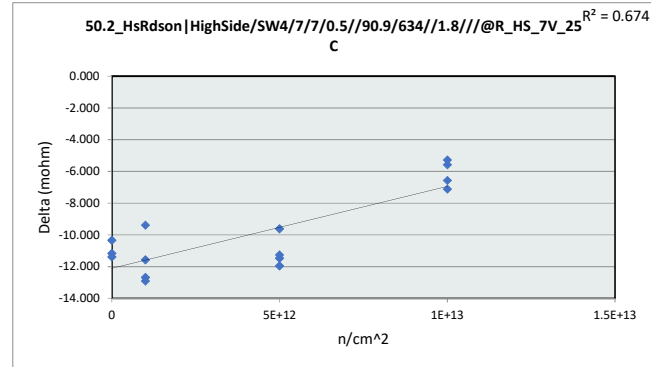


50.1_HsRdson HighSide/SW1/7/7/0.5//90.9/634//1.8///@R_HS_7V_25				
Test Site				
Tester				
Test Number				
Max Limit	72	mohm		
Min Limit	28	mohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	28.000	28.000	28.000	28.000
Min	59.487	59.007	58.931	59.205
Average	59.751	59.494	59.255	59.620
Max	60.278	59.979	59.737	60.256
UL	72.000	72.000	72.000	72.000

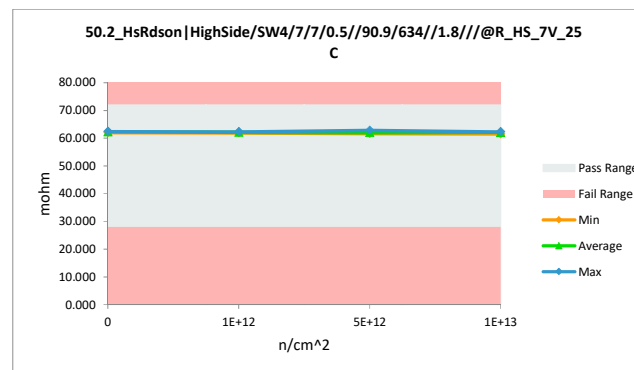


NDD Report TPS7H4102-SP

50.2_HsRdson HighSide/SW4/7/7/0.5//1.8//90.9/634//1.8///@R_HS_7V_25				
Test Site				
Tester				
Test Number				
Unit	mohm	mohm		
Max Limit	76	72		
Min Limit	19.2	28		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	72.780	62.416	-10.365
0	2	73.527	62.337	-11.191
0	3	73.427	62.007	-11.420
1E+12	30	73.564	61.969	-11.595
1E+12	31	74.947	62.248	-12.699
1E+12	32	74.809	61.876	-12.933
1E+12	33	71.741	62.339	-9.402
5E+12	34	73.799	61.825	-11.973
5E+12	35	73.079	61.583	-11.496
5E+12	36	72.976	61.700	-11.276
5E+12	37	72.455	62.809	-9.647
1E+13	38	69.336	62.202	-7.134
1E+13	39	67.602	62.296	-5.306
1E+13	40	68.057	61.461	-6.596
1E+13	41	67.910	62.301	-5.609
	Max	74.947	62.809	-5.306
	Average	72.001	62.091	-9.909
	Min	67.602	61.461	-12.933
	Std Dev	2.512	0.360	2.553

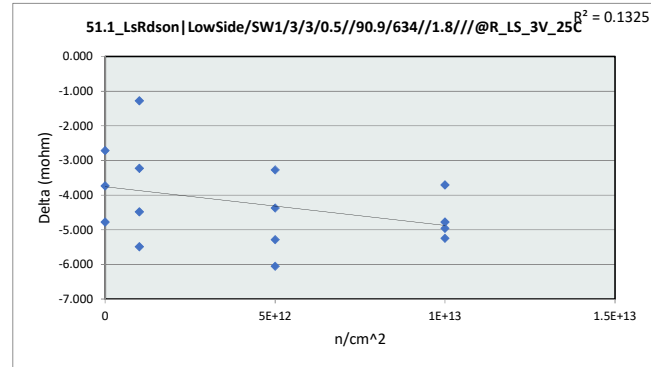


50.2_HsRdson HighSide/SW4/7/7/0.5//1.8//90.9/634//1.8///@R_HS_7V_25				
Test Site				
Tester				
Test Number				
Max Limit	72	mohm		
Min Limit	28	mohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	28.000	28.000	28.000	28.000
Min	62.007	61.877	61.583	61.461
Average	62.253	62.108	61.979	62.065
Max	62.416	62.339	62.809	62.301
UL	72.000	72.000	72.000	72.000

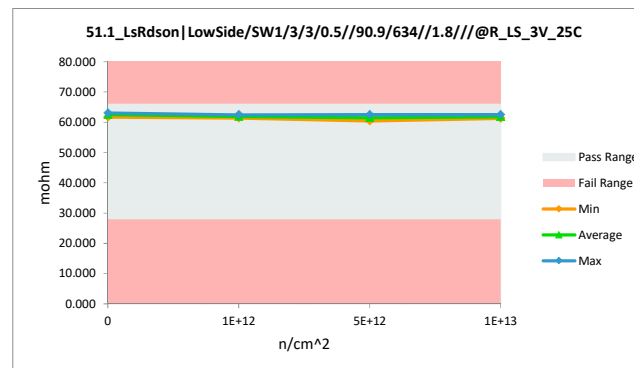


NDD Report TPS7H4102-SP

51.1_LsRdson LowSide/SW1/3/3/0.5//9				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	68		66	
Min Limit	20.4		28	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	67.835	63.046	-4.789
0	2	65.755	63.035	-2.721
0	3	65.436	61.697	-3.740
1E+12	30	67.102	61.603	-5.499
1E+12	31	66.953	62.465	-4.488
1E+12	32	63.592	62.309	-1.284
1E+12	33	64.597	61.361	-3.235
5E+12	34	65.877	61.499	-4.378
5E+12	35	64.732	61.460	-3.273
5E+12	36	66.540	60.481	-6.059
5E+12	37	67.777	62.486	-5.291
1E+13	38	67.399	62.148	-5.250
1E+13	39	66.080	61.301	-4.779
1E+13	40	66.401	61.436	-4.965
1E+13	41	66.180	62.470	-3.710
	Max	67.835	63.046	-1.284
	Average	66.150	61.920	-4.231
	Min	63.592	60.481	-6.059
	Std Dev	1.211	0.716	1.246

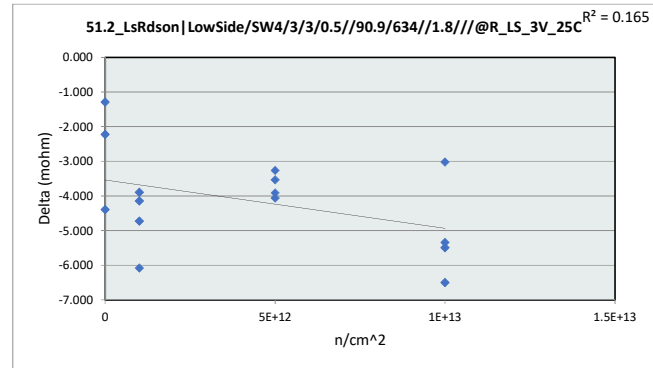


51.1_LsRdson LowSide/SW1/3/3/0.5//9				
Test Site				
Tester				
Test Number				
Max Limit	66		mohm	
Min Limit	28		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	28.000	28.000	28.000	28.000
Min	61.697	61.361	60.481	61.301
Average	62.592	61.934	61.481	61.839
Max	63.046	62.465	62.486	62.470
UL	66.000	66.000	66.000	66.000

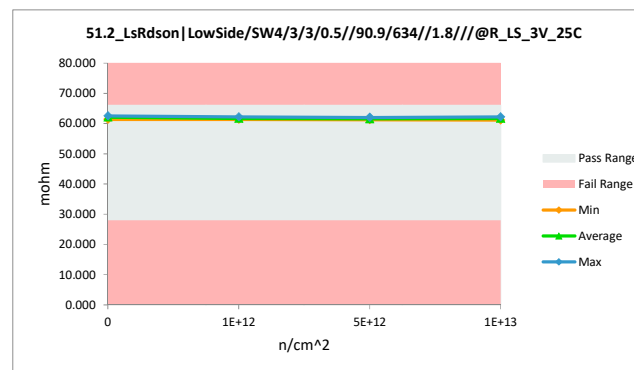


NDD Report TPS7H4102-SP

51.2_LsRdson LowSide/SW4/3/3/0.5//9				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	68		66	
Min Limit	20.4		28	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	66.812	62.412	-4.400
0	2	63.833	62.535	-1.298
0	3	63.640	61.407	-2.233
1E+12	30	66.100	61.362	-4.737
1E+12	31	66.093	62.196	-3.897
1E+12	32	65.974	61.820	-4.154
1E+12	33	67.583	61.496	-6.087
5E+12	34	65.015	61.473	-3.542
5E+12	35	65.184	61.269	-3.915
5E+12	36	65.522	61.454	-4.068
5E+12	37	65.291	62.020	-3.271
1E+13	38	64.963	61.931	-3.031
1E+13	39	66.983	61.635	-5.348
1E+13	40	67.653	61.149	-6.504
1E+13	41	67.696	62.191	-5.505
	Max	67.696	62.535	-1.298
	Average	65.889	61.757	-4.133
	Min	63.640	61.149	-6.504
	Std Dev	1.290	0.436	1.396

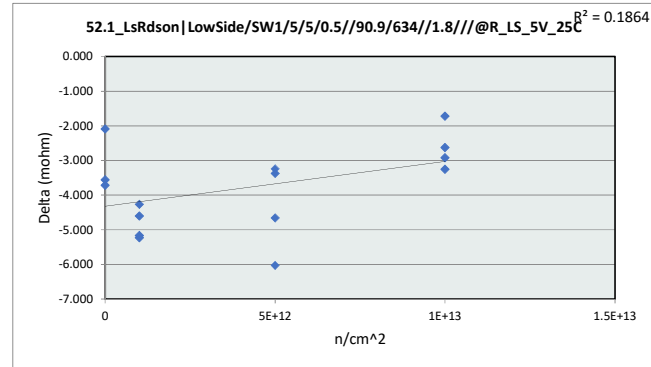


51.2_LsRdson LowSide/SW4/3/3/0.5//9				
Test Site				
Tester				
Test Number				
Max Limit	66		mohm	
Min Limit	28		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	28.000	28.000	28.000	28.000
Min	61.407	61.362	61.269	61.149
Average	62.118	61.719	61.554	61.727
Max	62.535	62.196	62.020	62.191
UL	66.000	66.000	66.000	66.000

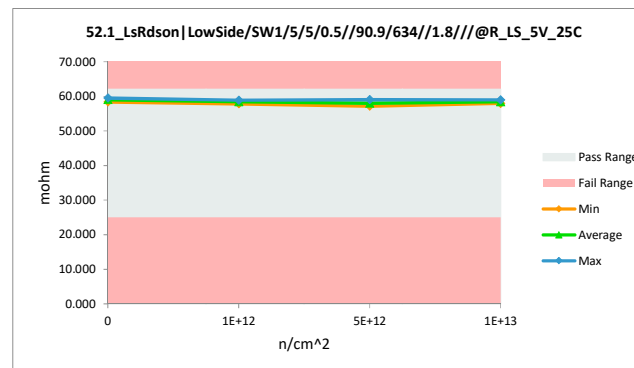


NDD Report TPS7H4102-SP

52.1_LsRdson LowSide/SW1/5/5/0.5//90.9/634//1.8///@R_LS_5V_25C				
Test Site				
Tester				
Test Number				
Unit	mohm	mohm		
Max Limit	64	62		
Min Limit	17.6	25		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	63.062	59.497	-3.565
0	2	61.374	59.276	-2.098
0	3	62.058	58.337	-3.721
1E+12	30	63.488	58.315	-5.173
1E+12	31	63.466	58.858	-4.609
1E+12	32	63.104	58.829	-4.275
1E+12	33	63.035	57.799	-5.236
5E+12	34	61.363	57.982	-3.381
5E+12	35	61.104	57.857	-3.246
5E+12	36	63.167	57.128	-6.039
5E+12	37	63.715	59.044	-4.670
1E+13	38	61.898	58.642	-3.256
1E+13	39	60.594	57.960	-2.635
1E+13	40	60.903	57.974	-2.928
1E+13	41	60.687	58.957	-1.730
	Max	63.715	59.497	-1.730
	Average	62.201	58.430	-3.771
	Min	60.594	57.128	-6.039
	Std Dev	1.134	0.653	1.217

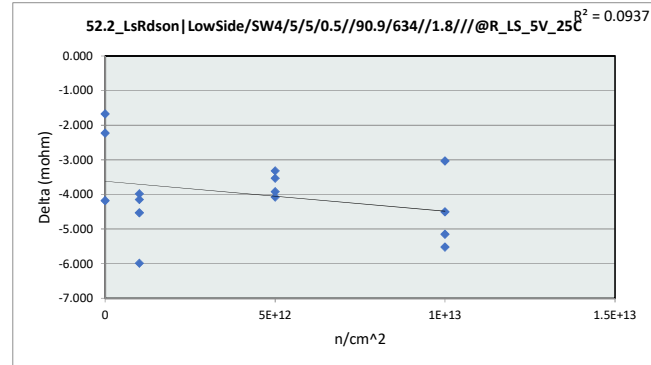


52.1_LsRdson LowSide/SW1/5/5/0.5//90.9/634//1.8///@R_LS_5V_25C				
Test Site				
Tester				
Test Number				
Max Limit	62	mohm		
Min Limit	25	mohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	25.000	25.000	25.000	25.000
Min	58.337	57.799	57.128	57.960
Average	59.037	58.450	58.003	58.383
Max	59.497	58.858	59.045	58.957
UL	62.000	62.000	62.000	62.000

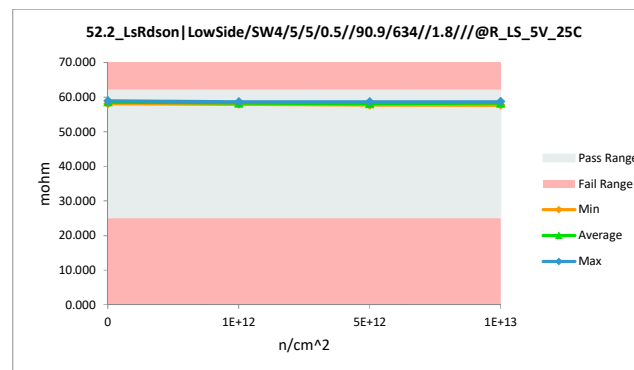


NDD Report TPS7H4102-SP

52.2_LsRdson LowSide/SW4/5/5/0.5/ /90.9/634/ /1.8/ /@R_LS_5V_25C				
Test Site				
Tester				
Test Number				
Unit	mohm	mohm		
Max Limit	64	62		
Min Limit	17.6	25		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	63.093	58.914	-4.180
0	2	60.498	58.817	-1.681
0	3	60.306	58.077	-2.228
1E+12	30	62.624	58.088	-4.536
1E+12	31	62.623	58.636	-3.987
1E+12	32	62.501	58.352	-4.149
1E+12	33	63.933	57.943	-5.989
5E+12	34	61.497	57.961	-3.536
5E+12	35	61.617	57.696	-3.921
5E+12	36	62.185	58.105	-4.079
5E+12	37	61.953	58.636	-3.317
1E+13	38	61.497	58.457	-3.040
1E+13	39	63.490	58.336	-5.153
1E+13	40	63.218	57.691	-5.527
1E+13	41	63.188	58.680	-4.508
	Max	63.933	58.914	-1.681
	Average	62.281	58.293	-3.989
	Min	60.306	57.691	-5.989
	Std Dev	1.059	0.392	1.145

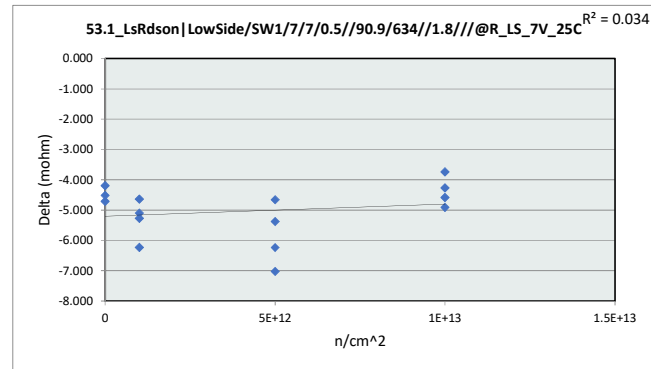


52.2_LsRdson LowSide/SW4/5/5/0.5/ /90.9/634/ /1.8/ /@R_LS_5V_25C				
Test Site				
Tester				
Test Number				
Max Limit	62	mohm		
Min Limit	25	mohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	25.000	25.000	25.000	25.000
Min	58.077	57.943	57.696	57.691
Average	58.603	58.255	58.100	58.291
Max	58.914	58.636	58.636	58.680
UL	62.000	62.000	62.000	62.000

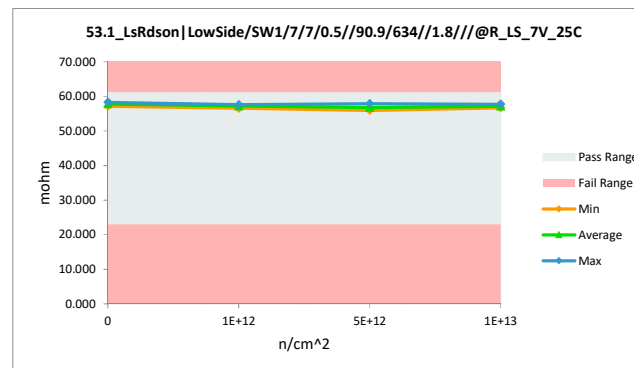


NDD Report TPS7H4102-SP

53.1_LsRdson LowSide/SW1/7/7/0.5//9				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	63		61	
Min Limit	15.4		23	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	62.773	58.256	-4.517
0	2	62.176	57.982	-4.194
0	3	61.858	57.144	-4.714
1E+12	30	62.228	57.131	-5.097
1E+12	31	62.239	57.595	-4.644
1E+12	32	62.876	57.602	-5.274
1E+12	33	62.799	56.564	-6.235
5E+12	34	62.131	56.751	-5.380
5E+12	35	62.850	56.609	-6.241
5E+12	36	62.951	55.927	-7.024
5E+12	37	62.507	57.846	-4.660
1E+13	38	61.679	57.410	-4.268
1E+13	39	61.358	56.771	-4.587
1E+13	40	61.660	56.753	-4.907
1E+13	41	61.455	57.713	-3.742
	Max	62.951	58.256	-3.742
	Average	62.236	57.204	-5.032
	Min	61.358	55.927	-7.024
	Std Dev	0.545	0.640	0.882

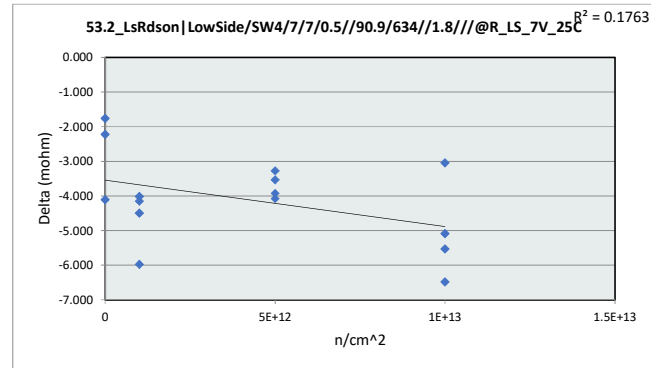


53.1_LsRdson LowSide/SW1/7/7/0.5//90.9/634//1.8///@R_LS_7V_25C				
Test Site				
Tester				
Test Number				
Max Limit	61		mohm	
Min Limit	23		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	23.000	23.000	23.000	23.000
Min	57.144	56.564	55.927	56.753
Average	57.794	57.223	56.783	57.162
Max	58.256	57.602	57.846	57.713
UL	61.000	61.000	61.000	61.000

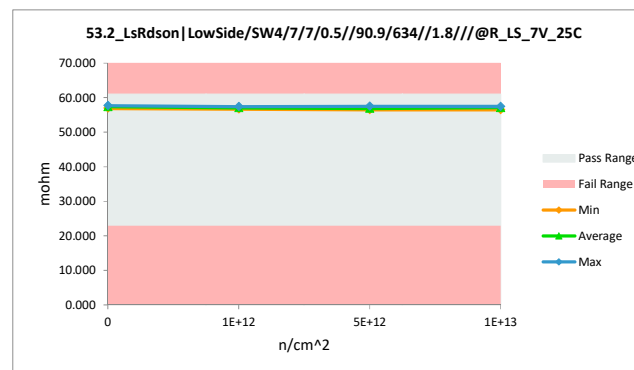


NDD Report TPS7H4102-SP

53.2_LsRdson LowSide/SW4/7/7/0.5//9				
Test Site				
Tester				
Test Number				
Unit	mohm		mohm	
Max Limit	63		61	
Min Limit	15.4		23	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	61.800	57.684	-4.116
0	2	59.306	57.539	-1.767
0	3	59.115	56.890	-2.225
1E+12	30	61.398	56.901	-4.497
1E+12	31	61.400	57.383	-4.017
1E+12	32	61.282	57.127	-4.155
1E+12	33	62.688	56.706	-5.982
5E+12	34	60.262	56.724	-3.538
5E+12	35	60.384	56.454	-3.930
5E+12	36	60.981	56.904	-4.077
5E+12	37	60.753	57.470	-3.283
1E+13	38	60.281	57.234	-3.048
1E+13	39	62.250	57.155	-5.095
1E+13	40	62.955	56.472	-6.483
1E+13	41	62.975	57.440	-5.534
	Max	62.975	57.684	-1.767
	Average	61.189	57.072	-4.117
	Min	59.115	56.454	-6.483
	Std Dev	1.212	0.388	1.296

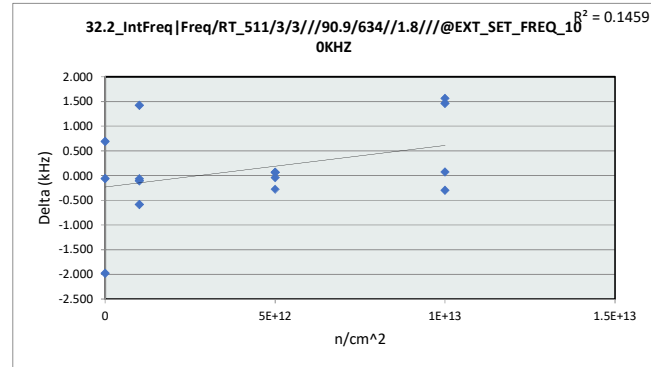


53.2_LsRdson LowSide/SW4/7/7/0.5//90.9/634//1.8///@R_LS_7V_25C				
Test Site				
Tester				
Test Number				
Max Limit	61		mohm	
Min Limit	23		mohm	
n/cm^2	0	1E+12	5E+12	1E+13
LL	23.000	23.000	23.000	23.000
Min	56.890	56.706	56.454	56.472
Average	57.371	57.029	56.888	57.075
Max	57.684	57.383	57.470	57.441
UL	61.000	61.000	61.000	61.000

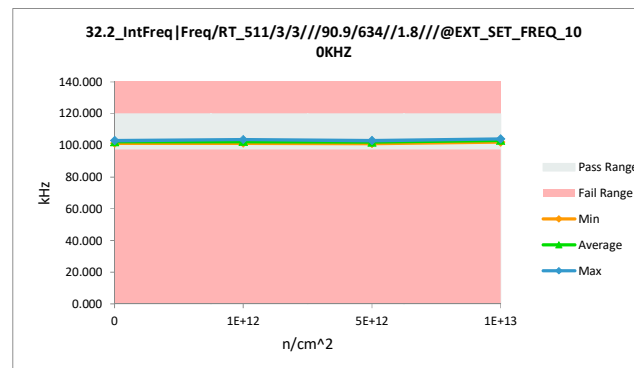


NDD Report TPS7H4102-SP

32.2_IntFreq Freq/RT_511/3/3///90.9/634//1.8///@EXT_SET_FREQ_10 OKHZ				
Test Site				
Tester				
Test Number				
Unit	kHz		kHz	
Max Limit	120		119.7	
Min Limit	97		97.3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	103.192	101.212	-1.981
0	2	102.339	103.026	0.688
0	3	102.377	102.316	-0.061
1E+12	30	102.173	103.592	1.419
1E+12	31	102.692	102.102	-0.590
1E+12	32	102.640	102.531	-0.109
1E+12	33	101.413	101.348	-0.065
5E+12	34	101.311	101.033	-0.278
5E+12	35	101.181	101.139	-0.042
5E+12	36	102.882	102.940	0.058
5E+12	37	102.896	102.962	0.066
1E+13	38	102.296	101.995	-0.301
1E+13	39	102.465	103.926	1.461
1E+13	40	102.470	104.031	1.561
1E+13	41	102.479	102.549	0.070
	Max	103.192	104.031	1.561
	Average	102.320	102.447	0.126
	Min	101.181	101.033	-1.981
	Std Dev	0.590	0.987	0.898

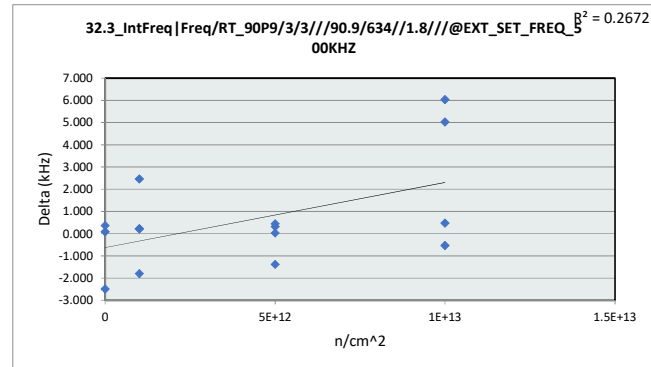


32.2_IntFreq Freq/RT_511/3/3///90.9/634//1.8///@EXT_SET_FREQ_10 OKHZ				
Test Site				
Tester				
Test Number				
Max Limit	119.7		kHz	
Min Limit	97.3		kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	97.300	97.300	97.300	97.300
Min	101.212	101.348	101.033	101.995
Average	102.185	102.393	102.019	103.125
Max	103.026	103.592	102.962	104.031
UL	119.700	119.700	119.700	119.700

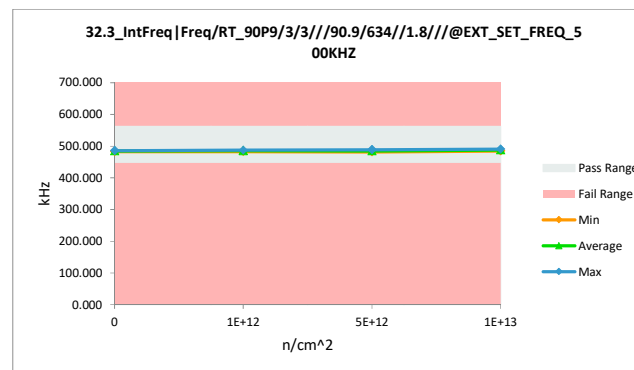


NDD Report TPS7H4102-SP

32.3_IntFreq Freq/RT_90P9/3/3///90.9				
Test Site				
Tester				
Test Number				
Unit	kHz		kHz	
Max Limit	564		562.5	
Min Limit	446		447.5	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	485.657	483.152	-2.505
0	2	485.401	485.759	0.358
0	3	485.457	485.538	0.081
1E+12	30	484.864	487.320	2.456
1E+12	31	486.933	485.125	-1.809
1E+12	32	486.810	487.025	0.215
1E+12	33	482.068	482.272	0.203
5E+12	34	483.005	483.020	0.015
5E+12	35	481.048	481.485	0.437
5E+12	36	488.473	488.784	0.312
5E+12	37	488.388	486.992	-1.396
1E+13	38	488.016	487.468	-0.548
1E+13	39	484.532	490.563	6.031
1E+13	40	484.523	489.543	5.020
1E+13	41	484.584	485.044	0.460
	Max	488.473	490.563	6.031
	Average	485.317	485.939	0.622
	Min	481.048	481.485	-2.505
	Std Dev	2.200	2.676	2.304

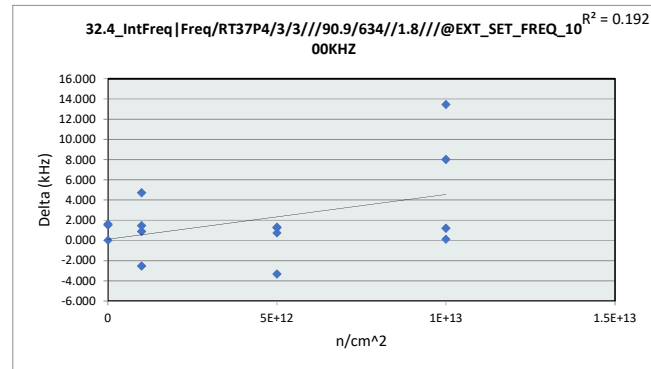


32.3_IntFreq Freq/RT_90P9/3/3///90.9				
Test Site				
Tester				
Test Number				
Max Limit	562.5		kHz	
Min Limit	447.5		kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	447.500	447.500	447.500	447.500
Min	483.152	482.272	481.485	485.044
Average	484.816	485.435	485.070	488.154
Max	485.759	487.320	488.784	490.563
UL	562.500	562.500	562.500	562.500

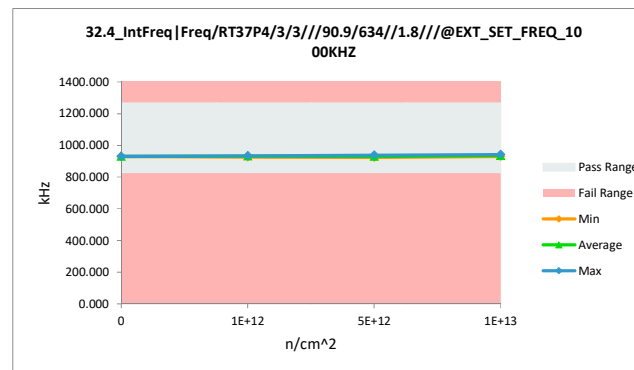


NDD Report TPS7H4102-SP

32.4_IntFreq Freq/RT37P4/3/3///90.9/634//1.8///@EXT_SET_FREQ_1000KHZ				
Test Site				
Tester				
Test Number				
Unit	kHz		kHz	
Max Limit	1280		1267	
Min Limit	812		825	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	929.757	929.763	0.006
0	2	928.902	930.485	1.583
0	3	928.648	930.157	1.509
1E+12	30	929.904	934.595	4.692
1E+12	31	933.373	930.821	-2.551
1E+12	32	933.274	934.159	0.885
1E+12	33	924.067	925.520	1.453
5E+12	34	926.656	927.388	0.732
5E+12	35	922.050	923.311	1.261
5E+12	36	936.496	937.800	1.304
5E+12	37	936.451	933.116	-3.335
1E+13	38	935.274	935.373	0.099
1E+13	39	928.885	942.319	13.434
1E+13	40	928.715	936.701	7.987
1E+13	41	928.872	930.050	1.178
	Max	936.496	942.319	13.434
	Average	930.088	932.104	2.016
	Min	922.050	923.311	-3.335
	Std Dev	4.230	4.933	4.105

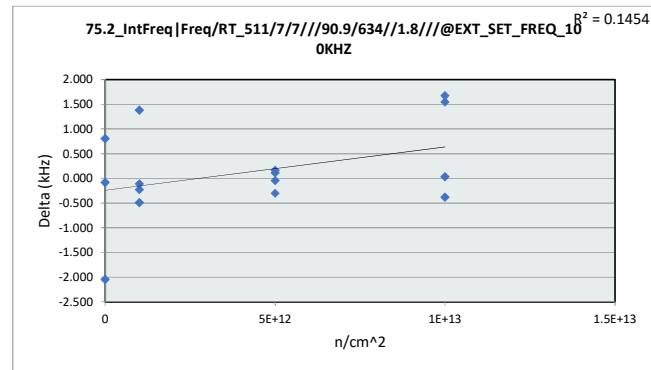


32.4_IntFreq Freq/RT37P4/3/3///90.9/634//1.8///@EXT_SET_FREQ_1000KHZ				
Test Site				
Tester				
Test Number				
Max Limit	1267		kHz	
Min Limit	825		kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	825.000	825.000	825.000	825.000
Min	929.763	925.520	923.311	930.050
Average	930.135	931.274	930.404	936.111
Max	930.485	934.595	937.800	942.319
UL	1267.000	1267.000	1267.000	1267.000

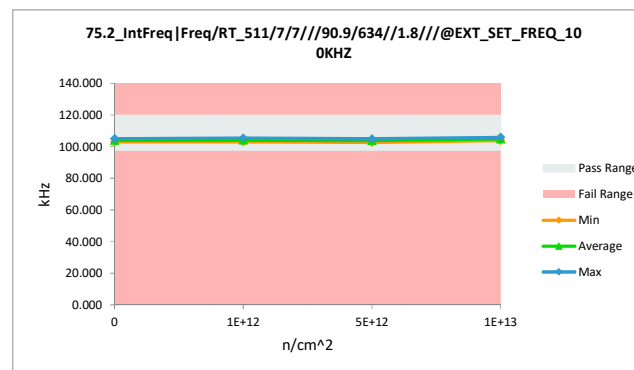


NDD Report TPS7H4102-SP

75.2_IntFreq Freq/RT_511/7/7///90.9/634//1.8///@EXT_SET_FREQ_10 OKHZ				
Test Site				
Tester				
Test Number				
Unit	kHz		kHz	
Max Limit	120		119.7	
Min Limit	97		97.3	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	104.999	102.951	-2.048
0	2	104.155	104.955	0.800
0	3	104.141	104.053	-0.088
1E+12	30	103.955	105.335	1.379
1E+12	31	104.322	103.822	-0.499
1E+12	32	104.330	104.098	-0.232
1E+12	33	103.070	102.955	-0.115
5E+12	34	102.870	102.565	-0.305
5E+12	35	102.809	102.763	-0.046
5E+12	36	104.644	104.749	0.105
5E+12	37	104.717	104.880	0.162
1E+13	38	104.218	103.834	-0.384
1E+13	39	104.118	105.658	1.541
1E+13	40	104.151	105.823	1.672
1E+13	41	104.097	104.127	0.030
	Max	104.999	105.823	1.672
	Average	104.040	104.171	0.131
	Min	102.809	102.565	-2.048
	Std Dev	0.645	1.053	0.935

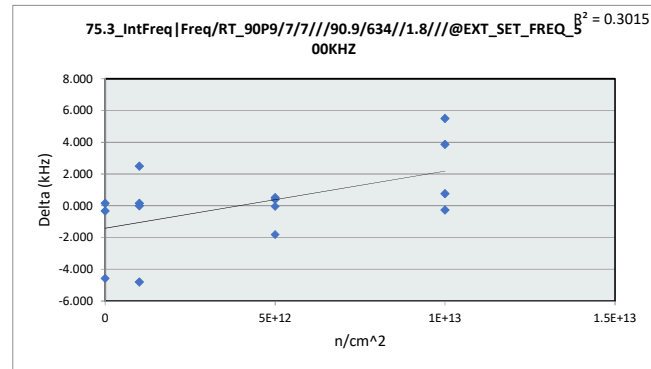


75.2_IntFreq Freq/RT_511/7/7///90.9/634//1.8///@EXT_SET_FREQ_10 OKHZ				
Test Site				
Tester				
Test Number				
Max Limit	119.7		kHz	
Min Limit	97.3		kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	97.300	97.300	97.300	97.300
Min	102.951	102.955	102.565	103.834
Average	103.986	104.053	103.739	104.861
Max	104.955	105.335	104.880	105.823
UL	119.700	119.700	119.700	119.700

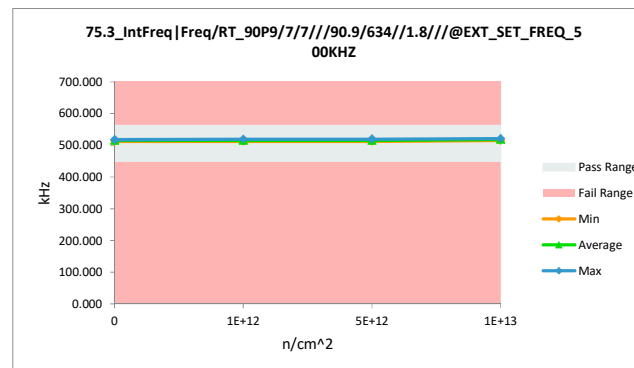


NDD Report TPS7H4102-SP

75.3_IntFreq Freq/RT_90P9/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	kHz		kHz	
Max Limit	564		562.5	
Min Limit	446		447.5	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	517.246	512.663	-4.583
0	2	517.624	517.290	-0.333
0	3	517.533	517.668	0.135
1E+12	30	514.124	516.599	2.474
1E+12	31	519.014	514.196	-4.818
1E+12	32	519.046	519.034	-0.012
1E+12	33	512.687	512.825	0.138
5E+12	34	512.960	513.463	0.503
5E+12	35	512.560	512.951	0.391
5E+12	36	519.888	519.840	-0.048
5E+12	37	519.901	518.084	-1.817
1E+13	38	521.433	521.164	-0.268
1E+13	39	514.821	518.678	3.856
1E+13	40	514.680	520.167	5.487
1E+13	41	514.668	515.418	0.750
	Max	521.433	521.164	5.487
	Average	516.546	516.669	0.124
	Min	512.560	512.663	-4.818
	Std Dev	2.937	2.905	2.667

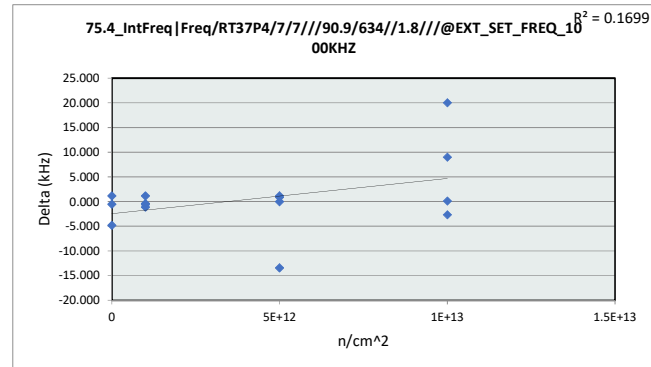


75.3_IntFreq Freq/RT_90P9/7/7///90.9				
Test Site				
Tester				
Test Number				
Max Limit	562.5		kHz	
Min Limit	447.5		kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	447.500	447.500	447.500	447.500
Min	512.663	512.825	512.951	515.418
Average	515.874	515.663	516.084	518.857
Max	517.668	519.034	519.840	521.164
UL	562.500	562.500	562.500	562.500

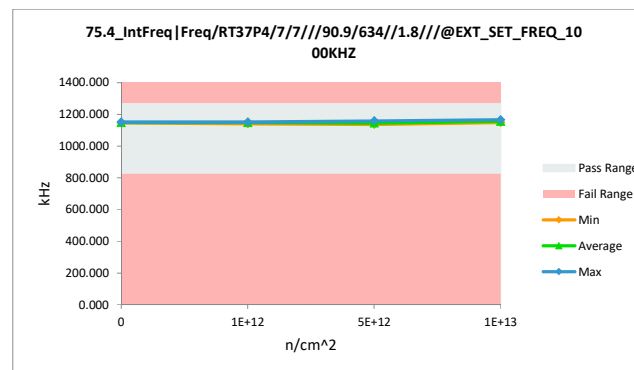


NDD Report TPS7H4102-SP

75.4_IntFreq Freq/RT37P4/7/7///90.9/6				
Test Site				
Tester				
Test Number				
Unit	kHz		kHz	
Max Limit	1280		1267	
Min Limit	812		825	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1156.671	1151.799	-4.872
0	2	1147.818	1147.205	-0.614
0	3	1147.776	1148.834	1.058
1E+12	30	1150.056	1149.587	-0.469
1E+12	31	1152.713	1151.532	-1.181
1E+12	32	1152.808	1152.114	-0.695
1E+12	33	1140.586	1141.645	1.058
5E+12	34	1140.568	1140.468	-0.100
5E+12	35	1136.041	1136.876	0.834
5E+12	36	1158.693	1159.805	1.112
5E+12	37	1158.694	1145.212	-13.482
1E+13	38	1153.332	1150.601	-2.731
1E+13	39	1147.365	1167.316	19.951
1E+13	40	1148.699	1157.656	8.957
1E+13	41	1148.772	1148.807	0.034
	Max	1158.694	1167.316	19.951
	Average	1149.373	1149.964	0.591
	Min	1136.041	1136.876	-13.482
	Std Dev	6.592	7.707	7.034

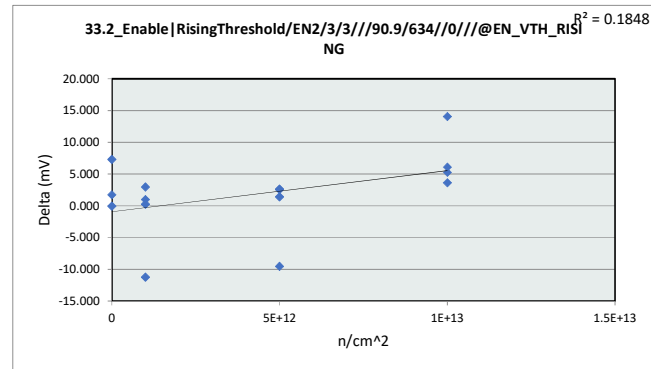


75.4_IntFreq Freq/RT37P4/7/7///90.9/634//1.8///@EXT_SET_FREQ_1000KHZ				
Test Site				
Tester				
Test Number				
Max Limit	1267		kHz	
Min Limit	825		kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	825.000	825.000	825.000	825.000
Min	1147.205	1141.645	1136.876	1148.807
Average	1149.279	1148.719	1145.590	1156.095
Max	1151.799	1152.114	1159.805	1167.316
UL	1267.000	1267.000	1267.000	1267.000

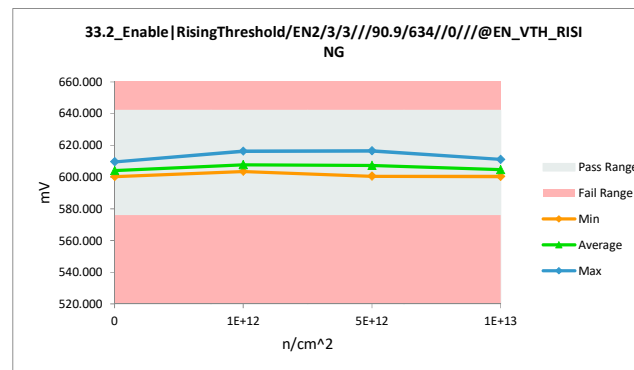


NDD Report TPS7H4102-SP

33.2_Enable RisingThreshold/EN2/3/3//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	602.343	609.606	7.263
0	2	600.556	602.232	1.676
0	3	600.396	600.289	-0.107
1E+12	30	603.838	606.730	2.892
1E+12	31	615.781	604.513	-11.268
1E+12	32	615.283	616.217	0.935
1E+12	33	603.280	603.491	0.211
5E+12	34	597.848	600.442	2.593
5E+12	35	606.837	608.214	1.377
5E+12	36	613.969	616.513	2.544
5E+12	37	614.180	604.602	-9.578
1E+13	38	598.585	604.603	6.018
1E+13	39	596.820	600.428	3.608
1E+13	40	597.144	611.172	14.029
1E+13	41	596.894	602.108	5.214
	Max	615.781	616.513	14.029
	Average	604.250	606.077	1.827
	Min	596.820	600.289	-11.268
	Std Dev	7.174	5.321	6.105

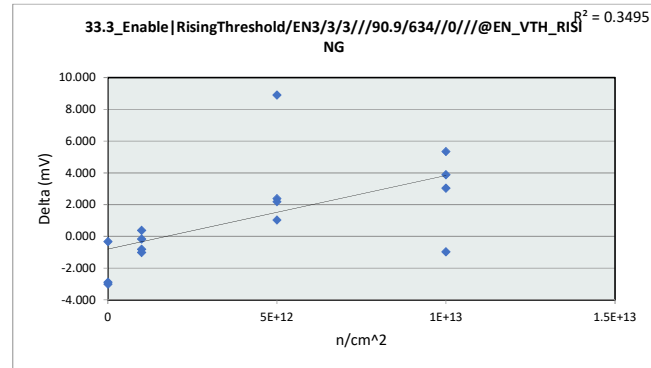


33.2_Enable RisingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	642		mV	
Min Limit	576		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	576.000	576.000	576.000	576.000
Min	600.289	603.491	600.442	600.428
Average	604.042	607.738	607.443	604.578
Max	609.606	616.217	616.513	611.173
UL	642.000	642.000	642.000	642.000

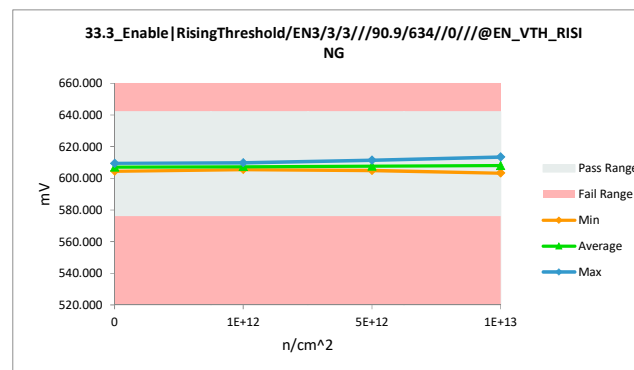


NDD Report TPS7H4102-SP

33.3_Enable RisingThreshold/EN3/3/3//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	607.440	604.412	-3.028
0	2	610.056	607.142	-2.914
0	3	609.745	609.397	-0.348
1E+12	30	606.226	605.384	-0.842
1E+12	31	607.432	606.398	-1.034
1E+12	32	607.569	607.384	-0.185
1E+12	33	609.441	609.802	0.360
5E+12	34	605.566	607.933	2.367
5E+12	35	605.258	606.277	1.018
5E+12	36	602.681	604.840	2.159
5E+12	37	602.567	611.451	8.884
1E+13	38	608.068	613.397	5.329
1E+13	39	604.181	603.195	-0.985
1E+13	40	604.194	607.203	3.008
1E+13	41	604.235	608.092	3.857
	Max	610.056	613.397	8.884
	Average	606.311	607.487	1.176
	Min	602.567	603.195	-3.028
	Std Dev	2.464	2.704	3.190

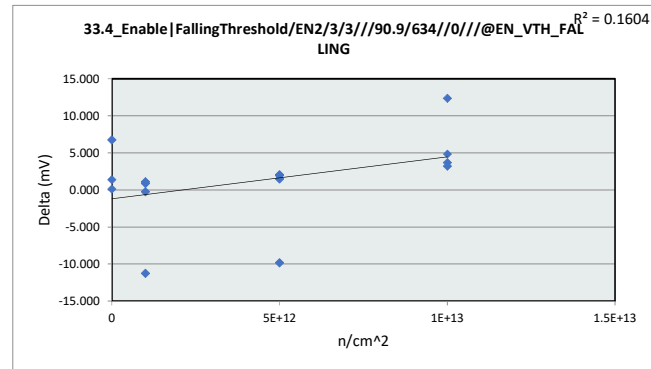


33.3_Enable RisingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	642		mV	
Min Limit	576		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	576.000	576.000	576.000	576.000
Min	604.412	605.384	604.840	603.195
Average	606.984	607.242	607.625	607.972
Max	609.397	609.802	611.451	613.397
UL	642.000	642.000	642.000	642.000

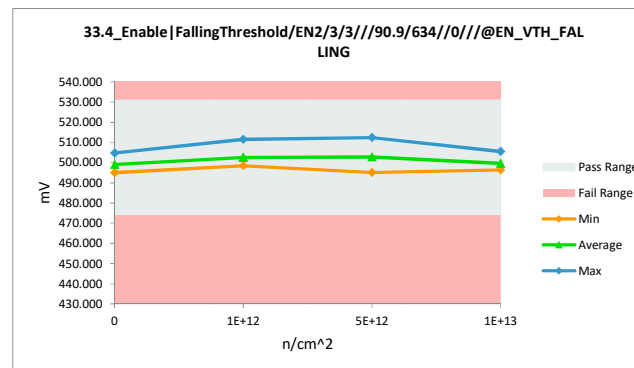


NDD Report TPS7H4102-SP

33.4_Enable FallingThreshold/EN2/3/3//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	532		531	
Min Limit	473		474	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	497.991	504.744	6.753
0	2	495.972	497.322	1.350
0	3	494.946	495.045	0.099
1E+12	30	499.672	500.771	1.099
1E+12	31	510.712	499.433	-11.279
1E+12	32	510.664	511.525	0.861
1E+12	33	498.699	498.451	-0.248
5E+12	34	493.653	495.113	1.460
5E+12	35	501.354	503.269	1.915
5E+12	36	510.331	512.354	2.024
5E+12	37	510.284	500.438	-9.846
1E+13	38	494.455	499.270	4.815
1E+13	39	493.190	496.367	3.177
1E+13	40	493.223	505.559	12.336
1E+13	41	493.461	497.131	3.670
	Max	510.712	512.354	12.336
	Average	499.907	501.119	1.212
	Min	493.190	495.045	-11.279
	Std Dev	7.053	5.424	5.734

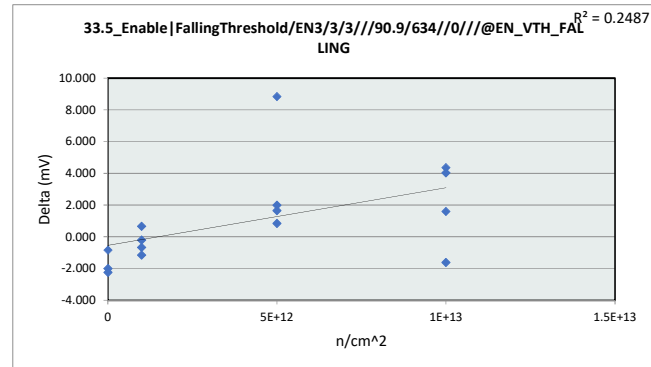


33.4_Enable FallingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	531		mV	
Min Limit	474		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	474.000	474.000	474.000	474.000
Min	495.045	498.451	495.113	496.367
Average	499.037	502.545	502.794	499.582
Max	504.744	511.525	512.354	505.559
UL	531.000	531.000	531.000	531.000

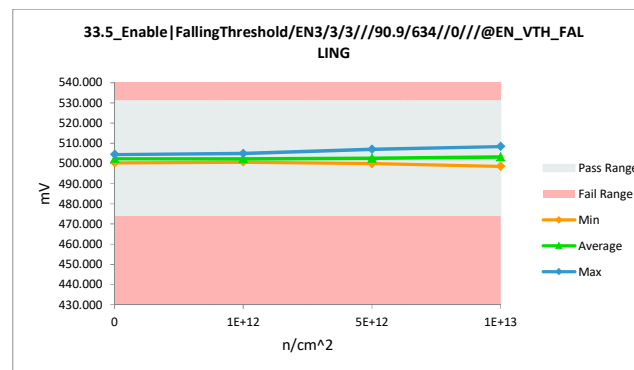


NDD Report TPS7H4102-SP

33.5_Enable FallingThreshold/EN3/3/3//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	532		531	
Min Limit	473		474	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	502.339	500.333	-2.006
0	2	504.719	502.474	-2.246
0	3	505.241	504.393	-0.848
1E+12	30	501.289	500.613	-0.676
1E+12	31	502.338	501.172	-1.165
1E+12	32	502.403	502.197	-0.206
1E+12	33	504.285	504.937	0.652
5E+12	34	500.408	502.045	1.637
5E+12	35	500.603	501.447	0.844
5E+12	36	497.952	499.927	1.975
5E+12	37	498.140	506.973	8.833
1E+13	38	503.961	508.318	4.357
1E+13	39	500.125	498.495	-1.630
1E+13	40	500.276	501.860	1.584
1E+13	41	500.165	504.194	4.029
	Max	505.241	508.318	8.833
	Average	501.616	502.625	1.009
	Min	497.952	498.495	-2.246
	Std Dev	2.256	2.679	2.958

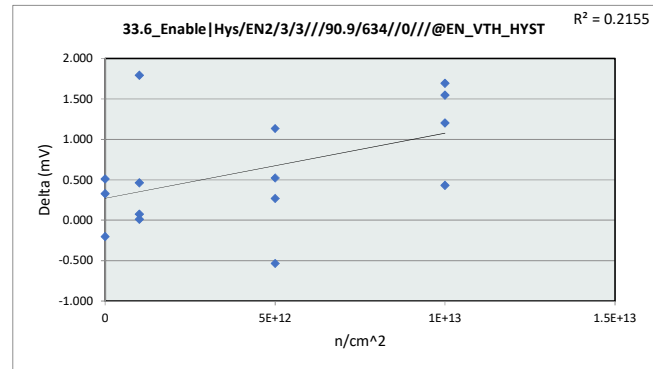


33.5_Enable FallingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	531		mV	
Min Limit	474		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	474.000	474.000	474.000	474.000
Min	500.333	500.613	499.927	498.495
Average	502.400	502.230	502.598	503.217
Max	504.393	504.937	506.973	508.318
UL	531.000	531.000	531.000	531.000

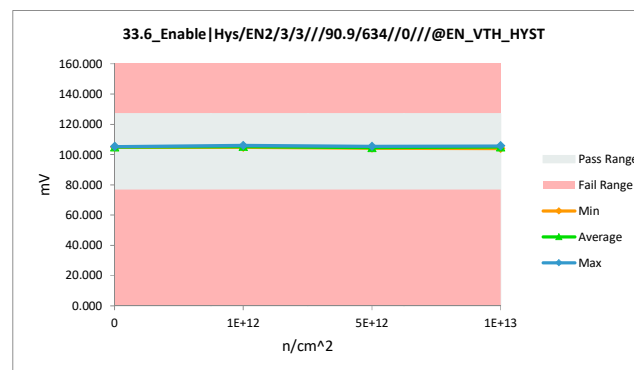


NDD Report TPS7H4102-SP

33.6_Enable Hys/EN2/3/3///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	130		127	
Min Limit	74		77	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	104.352	104.862	0.510
0	2	104.584	104.910	0.326
0	3	105.450	105.244	-0.206
1E+12	30	104.166	105.959	1.793
1E+12	31	105.069	105.080	0.011
1E+12	32	104.619	104.692	0.073
1E+12	33	104.580	105.040	0.459
5E+12	34	104.195	105.328	1.133
5E+12	35	105.482	104.945	-0.537
5E+12	36	103.638	104.159	0.521
5E+12	37	103.896	104.163	0.268
1E+13	38	104.131	105.333	1.202
1E+13	39	103.630	104.061	0.432
1E+13	40	103.921	105.613	1.693
1E+13	41	103.433	104.978	1.544
	Max	105.482	105.959	1.793
	Average	104.343	104.958	0.615
	Min	103.433	104.061	-0.537
	Std Dev	0.630	0.533	0.705

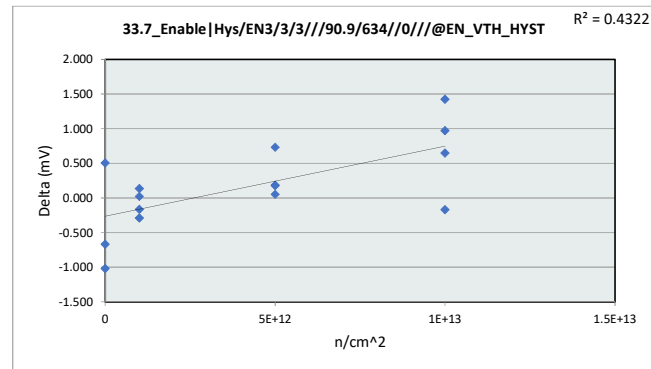


33.6_Enable Hys/EN2/3/3///				
Test Site				
Tester				
Test Number				
Max Limit	127		mV	
Min Limit	77		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	77.000	77.000	77.000	77.000
Min	104.862	104.692	104.159	104.061
Average	105.005	105.193	104.649	104.996
Max	105.244	105.959	105.329	105.613
UL	127.000	127.000	127.000	127.000

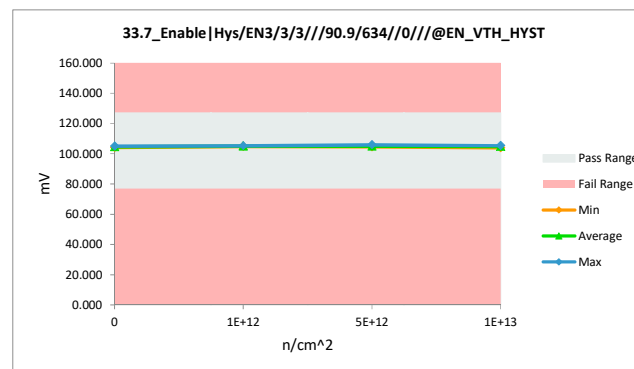


NDD Report TPS7H4102-SP

33.7_Enable Hys/EN3/3/3///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	130		127	
Min Limit	74		77	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	105.100	104.079	-1.022
0	2	105.337	104.668	-0.669
0	3	104.504	105.004	0.500
1E+12	30	104.937	104.771	-0.166
1E+12	31	105.094	105.225	0.131
1E+12	32	105.166	105.187	0.021
1E+12	33	105.157	104.865	-0.292
5E+12	34	105.158	105.888	0.730
5E+12	35	104.656	104.830	0.174
5E+12	36	104.729	104.913	0.184
5E+12	37	104.427	104.478	0.051
1E+13	38	104.107	105.079	0.972
1E+13	39	104.056	104.700	0.644
1E+13	40	103.918	105.343	1.425
1E+13	41	104.070	103.899	-0.171
	Max	105.337	105.888	1.425
	Average	104.694	104.862	0.167
	Min	103.918	103.899	-1.022
	Std Dev	0.486	0.489	0.625

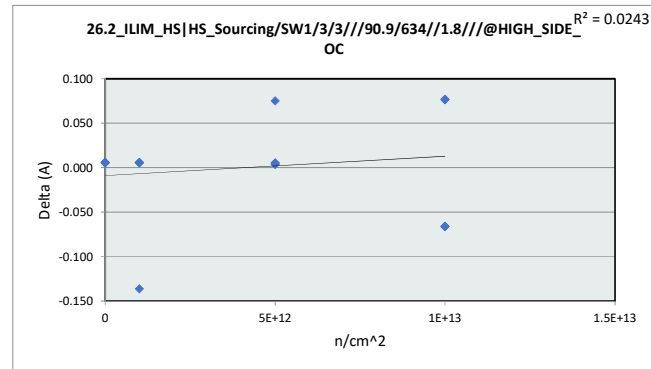


33.7_Enable Hys/EN3/3/3///				
Test Site				
Tester				
Test Number				
Max Limit	127		mV	
Min Limit	77		mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	77.000	77.000	77.000	77.000
Min	104.079	104.771	104.478	103.899
Average	104.584	105.012	105.027	104.755
Max	105.004	105.225	105.888	105.343
UL	127.000	127.000	127.000	127.000

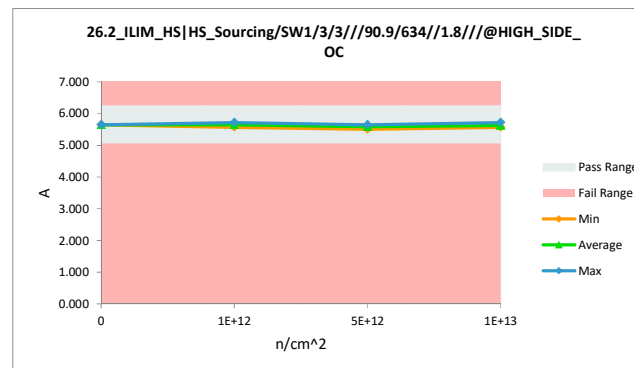


NDD Report TPS7H4102-SP

26.2_ILIM_HS HS_Sourcing/SW1/3/3///				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.24		
Min Limit	5	5.06		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.641	5.646	0.005
0	2	5.640	5.646	0.006
0	3	5.640	5.646	0.006
1E+12	30	5.569	5.575	0.005
1E+12	31	5.711	5.575	-0.136
1E+12	32	5.711	5.717	0.006
1E+12	33	5.712	5.717	0.005
5E+12	34	5.641	5.646	0.005
5E+12	35	5.641	5.646	0.005
5E+12	36	5.501	5.504	0.003
5E+12	37	5.500	5.575	0.075
1E+13	38	5.570	5.646	0.076
1E+13	39	5.641	5.575	-0.066
1E+13	40	5.641	5.575	-0.066
1E+13	41	5.641	5.717	0.077
Max		5.712	5.717	0.077
Average		5.627	5.627	0.000
Min		5.500	5.504	-0.136
Std Dev		0.066	0.063	0.057

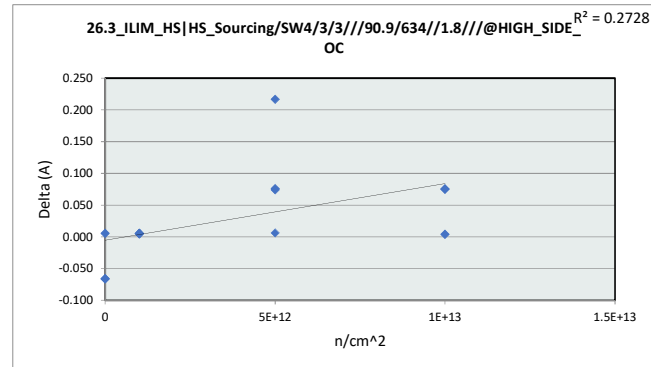


26.2_ILIM_HS HS_Sourcing/S				
Test Site				
Tester				
Test Number				
Max Limit	6.24	A		
Min Limit	5.06	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.060	5.060	5.060	5.060
Min	5.646	5.575	5.504	5.575
Average	5.646	5.646	5.593	5.628
Max	5.646	5.717	5.646	5.717
UL	6.240	6.240	6.240	6.240

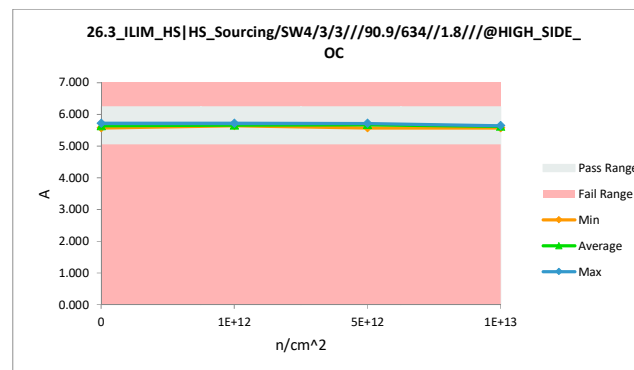


NDD Report TPS7H4102-SP

26.3_ILIM_HS HS_Sourcing/SW4/3/3///				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	6.3		6.24	
Min Limit	5		5.06	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.638	5.571	-0.067
0	2	5.709	5.642	-0.067
0	3	5.709	5.714	0.005
1E+12	30	5.638	5.642	0.004
1E+12	31	5.638	5.643	0.005
1E+12	32	5.638	5.643	0.005
1E+12	33	5.709	5.714	0.005
5E+12	34	5.709	5.714	0.006
5E+12	35	5.638	5.714	0.076
5E+12	36	5.497	5.571	0.074
5E+12	37	5.498	5.714	0.216
1E+13	38	5.568	5.642	0.075
1E+13	39	5.568	5.643	0.075
1E+13	40	5.568	5.571	0.004
1E+13	41	5.568	5.643	0.075
	Max	5.709	5.714	0.216
	Average	5.619	5.652	0.033
	Min	5.497	5.571	-0.067
	Std Dev	0.073	0.053	0.070

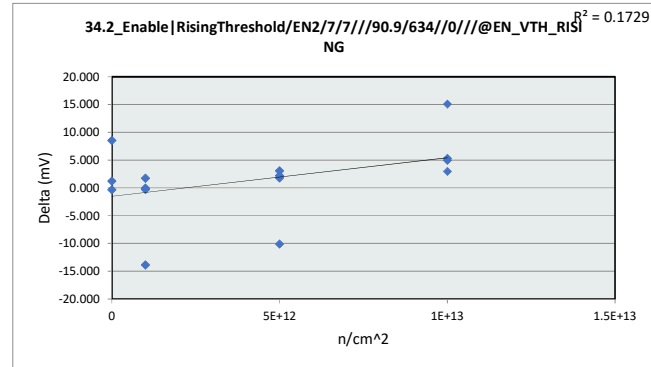


26.3_ILIM_HS HS_Sourcing/S				
Test Site				
Tester				
Test Number				
Max Limit	6.24		A	
Min Limit	5.06		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.060	5.060	5.060	5.060
Min	5.571	5.642	5.571	5.572
Average	5.643	5.660	5.678	5.625
Max	5.714	5.714	5.714	5.643
UL	6.240	6.240	6.240	6.240

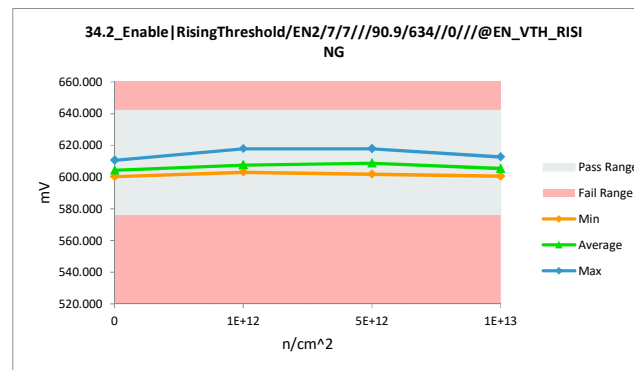


NDD Report TPS7H4102-SP

34.2_Enable RisingThreshold/EN2/7/7///				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	601.979	610.494	8.515
0	2	600.733	601.927	1.194
0	3	600.698	600.301	-0.398
1E+12	30	603.843	605.538	1.695
1E+12	31	617.747	603.841	-13.906
1E+12	32	617.927	617.862	-0.065
1E+12	33	603.275	602.970	-0.305
5E+12	34	598.769	601.818	3.049
5E+12	35	607.891	609.639	1.748
5E+12	36	615.636	617.805	2.168
5E+12	37	615.775	605.643	-10.132
1E+13	38	600.706	605.962	5.255
1E+13	39	597.612	600.541	2.929
1E+13	40	597.683	612.720	15.038
1E+13	41	597.672	602.619	4.947
	Max	617.927	617.862	15.038
	Average	605.196	606.645	1.449
	Min	597.612	600.301	-13.906
	Std Dev	7.727	5.821	6.790

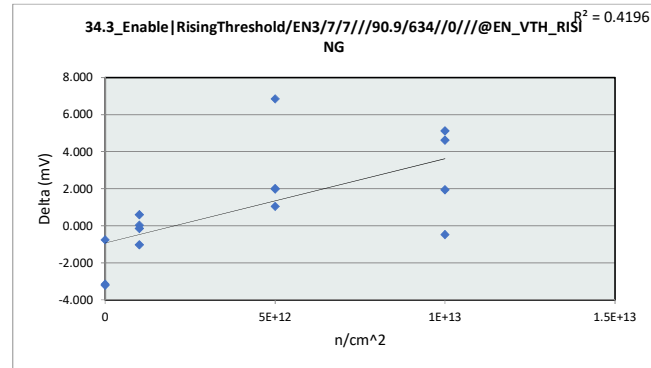


34.2_Enable RisingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	642		mV	
Min Limit	576		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	576.000	576.000	576.000	576.000
Min	600.301	602.970	601.818	600.541
Average	604.241	607.553	608.726	605.461
Max	610.494	617.862	617.805	612.720
UL	642.000	642.000	642.000	642.000

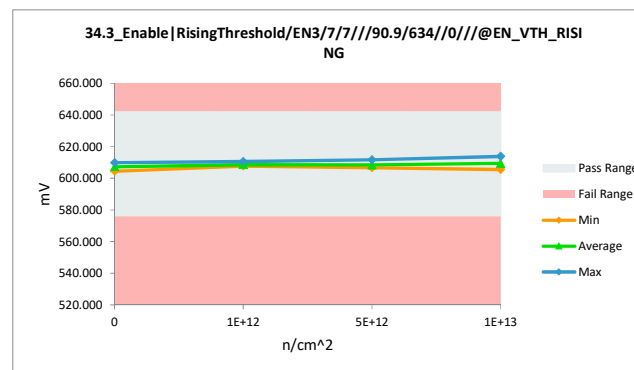


NDD Report TPS7H4102-SP

34.3_Enable RisingThreshold/EN3/7/7///				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	607.684	604.463	-3.221
0	2	610.658	607.492	-3.166
0	3	610.612	609.839	-0.773
1E+12	30	607.686	607.706	0.020
1E+12	31	608.712	607.668	-1.044
1E+12	32	608.676	608.510	-0.165
1E+12	33	609.892	610.482	0.590
5E+12	34	606.602	608.563	1.961
5E+12	35	605.670	606.699	1.029
5E+12	36	604.827	606.827	2.001
5E+12	37	604.894	611.723	6.828
1E+13	38	608.687	613.794	5.107
1E+13	39	605.990	605.493	-0.497
1E+13	40	605.968	607.891	1.923
1E+13	41	605.935	610.541	4.606
	Max	610.658	613.794	6.828
	Average	607.500	608.513	1.013
	Min	604.827	604.463	-3.221
	Std Dev	1.980	2.426	2.852

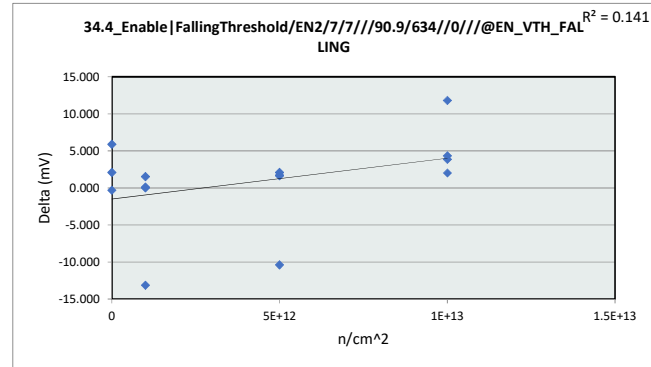


34.3_Enable RisingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	642		mV	
Min Limit	576		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	576.000	576.000	576.000	576.000
Min	604.463	607.668	606.699	605.493
Average	607.265	608.592	608.453	609.430
Max	609.839	610.483	611.723	613.795
UL	642.000	642.000	642.000	642.000

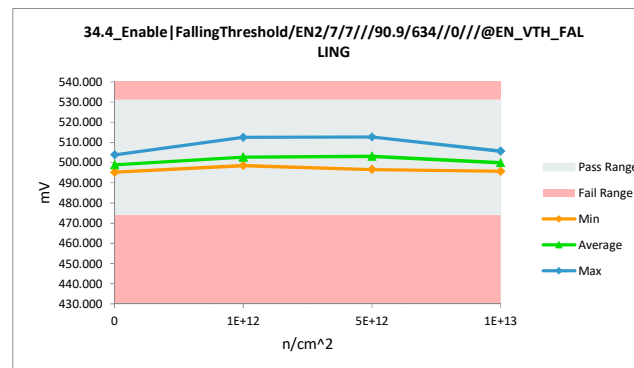


NDD Report TPS7H4102-SP

34.4_Enable FallingThreshold/EN2/7/7//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	532		531	
Min Limit	473		474	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	498.011	503.875	5.864
0	2	495.641	497.688	2.047
0	3	495.598	495.255	-0.343
1E+12	30	498.812	500.315	1.503
1E+12	31	512.419	499.241	-13.177
1E+12	32	512.437	512.515	0.078
1E+12	33	498.562	498.544	-0.018
5E+12	34	494.592	496.646	2.054
5E+12	35	501.036	502.657	1.621
5E+12	36	510.999	512.671	1.673
5E+12	37	511.001	500.585	-10.417
1E+13	38	496.572	500.844	4.272
1E+13	39	493.774	495.755	1.981
1E+13	40	493.848	505.642	11.794
1E+13	41	493.802	497.625	3.824
	Max	512.437	512.671	11.794
	Average	500.474	501.324	0.850
	Min	493.774	495.255	-13.177
	Std Dev	7.321	5.421	5.963

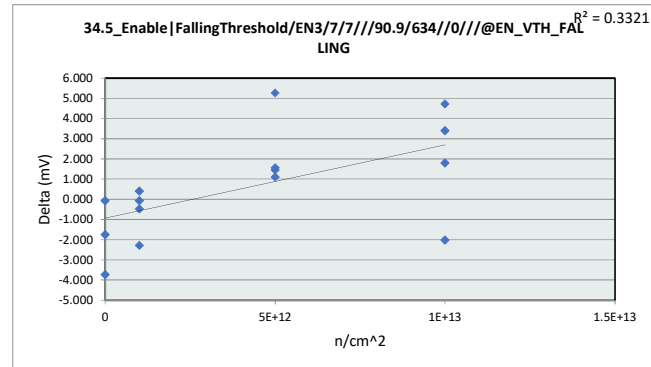


34.4_Enable FallingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	531		mV	
Min Limit	474		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	474.000	474.000	474.000	474.000
Min	495.255	498.544	496.646	495.755
Average	498.939	502.654	503.140	499.967
Max	503.875	512.515	512.671	505.643
UL	531.000	531.000	531.000	531.000

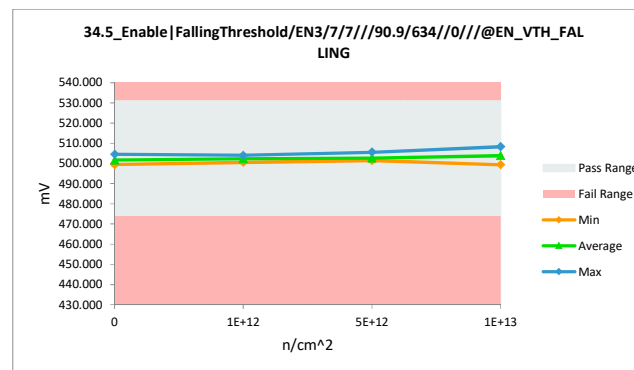


NDD Report TPS7H4102-SP

34.5_Enable FallingThreshold/EN3/7/7//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	532		531	
Min Limit	473		474	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	501.231	499.480	-1.751
0	2	504.706	500.974	-3.731
0	3	504.647	504.571	-0.076
1E+12	30	500.950	500.475	-0.474
1E+12	31	503.557	501.275	-2.283
1E+12	32	503.549	503.476	-0.073
1E+12	33	503.621	504.029	0.407
5E+12	34	500.593	502.148	1.554
5E+12	35	500.356	501.452	1.096
5E+12	36	500.238	501.685	1.447
5E+12	37	500.301	505.559	5.259
1E+13	38	503.543	508.258	4.715
1E+13	39	501.326	499.307	-2.018
1E+13	40	501.270	503.063	1.793
1E+13	41	501.353	504.743	3.390
	Max	504.706	508.258	5.259
	Average	502.083	502.700	0.617
	Min	500.238	499.307	-3.731
	Std Dev	1.644	2.449	2.553

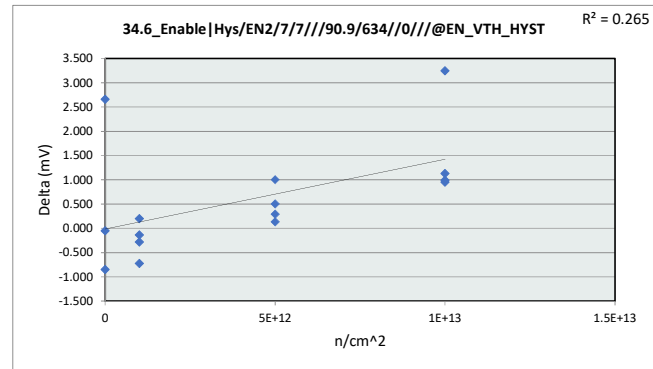


34.5_Enable FallingThreshold/				
Test Site				
Tester				
Test Number				
Max Limit	531		mV	
Min Limit	474		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	474.000	474.000	474.000	474.000
Min	499.480	500.476	501.452	499.308
Average	501.675	502.314	502.711	503.843
Max	504.571	504.029	505.559	508.258
UL	531.000	531.000	531.000	531.000

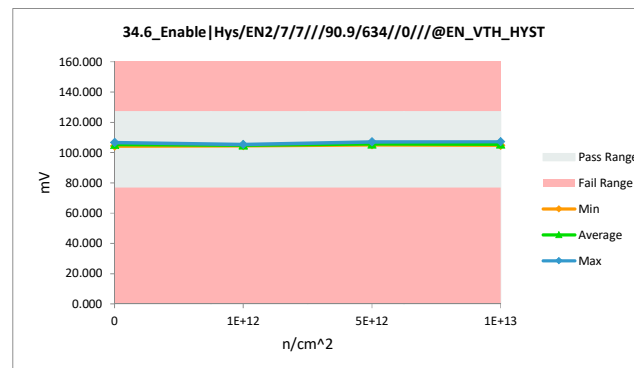


NDD Report TPS7H4102-SP

34.6_Enable Hys/EN2/7/7///90.9/634/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	130		127	
Min Limit	74		77	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	103.968	106.619	2.651
0	2	105.092	104.239	-0.853
0	3	105.101	105.046	-0.055
1E+12	30	105.031	105.223	0.192
1E+12	31	105.328	104.600	-0.729
1E+12	32	105.490	105.347	-0.143
1E+12	33	104.713	104.426	-0.287
5E+12	34	104.177	105.172	0.995
5E+12	35	106.855	106.982	0.127
5E+12	36	104.638	105.134	0.496
5E+12	37	104.774	105.059	0.285
1E+13	38	104.134	105.118	0.984
1E+13	39	103.839	104.786	0.947
1E+13	40	103.835	107.078	3.243
1E+13	41	103.871	104.994	1.123
	Max	106.855	107.078	3.243
	Average	104.723	105.321	0.598
	Min	103.835	104.239	-0.853
	Std Dev	0.819	0.873	1.135

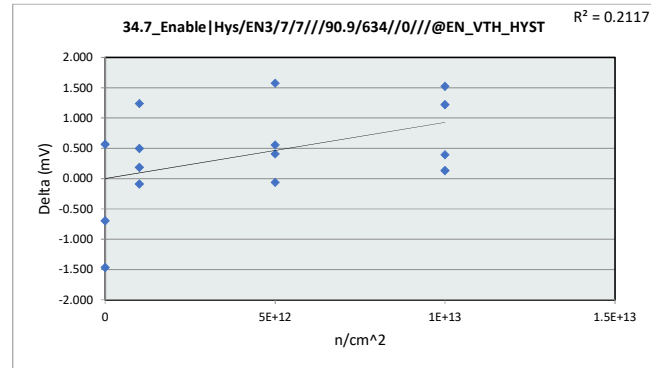


34.6_Enable Hys/EN2/7/7///				
Test Site				
Tester				
Test Number				
Max Limit	127		mV	
Min Limit	77		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	77.000	77.000	77.000	77.000
Min	104.239	104.426	105.059	104.786
Average	105.301	104.899	105.587	105.494
Max	106.619	105.347	106.982	107.078
UL	127.000	127.000	127.000	127.000

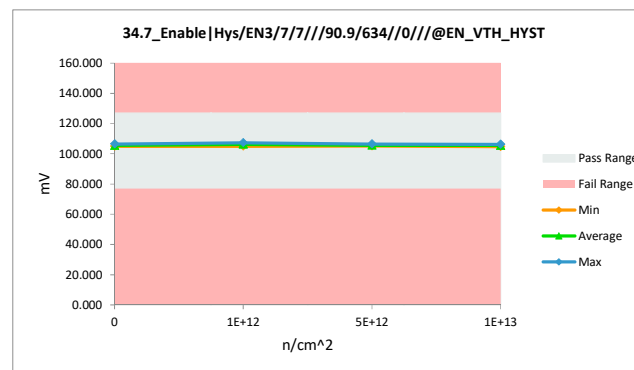


NDD Report TPS7H4102-SP

34.7_Enable Hys/EN3/7/7///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	130		127	
Min Limit	74		77	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	106.453	104.983	-1.470
0	2	105.952	106.518	0.566
0	3	105.965	105.268	-0.697
1E+12	30	106.736	107.231	0.494
1E+12	31	105.155	106.393	1.238
1E+12	32	105.127	105.034	-0.092
1E+12	33	106.271	106.454	0.183
5E+12	34	106.009	106.415	0.406
5E+12	35	105.315	105.248	-0.067
5E+12	36	104.589	105.143	0.554
5E+12	37	104.594	106.163	1.570
1E+13	38	105.145	105.537	0.392
1E+13	39	104.664	106.185	1.521
1E+13	40	104.698	104.827	0.130
1E+13	41	104.583	105.798	1.216
	Max	106.736	107.231	1.570
	Average	105.417	105.813	0.396
	Min	104.583	104.827	-1.470
	Std Dev	0.749	0.721	0.817

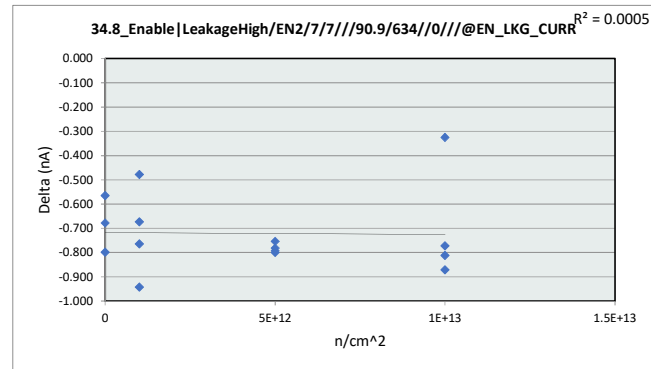


34.7_Enable Hys/EN3/7/7///				
Test Site				
Tester				
Test Number				
Max Limit	127		mV	
Min Limit	77		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	77.000	77.000	77.000	77.000
Min	104.983	105.034	105.143	104.827
Average	105.590	106.278	105.742	105.587
Max	106.518	107.231	106.416	106.185
UL	127.000	127.000	127.000	127.000

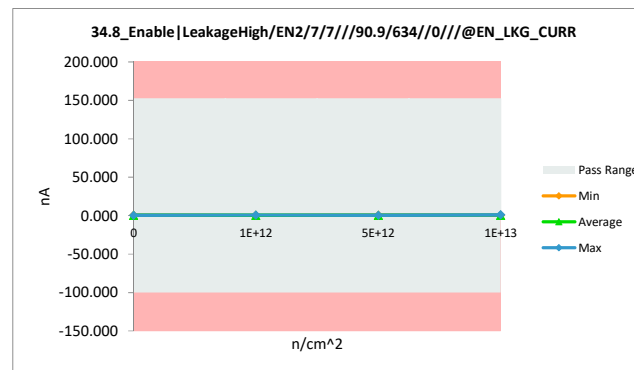


NDD Report TPS7H4102-SP

34.8_Enable LeakageHigh/EN2/7/7///90.9/634//0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Unit	nA		nA	
Max Limit	154		152	
Min Limit	-150.4		-100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.279	0.480	-0.798
0	2	1.151	0.585	-0.566
0	3	1.197	0.519	-0.678
1E+12	30	1.462	0.519	-0.943
1E+12	31	1.240	0.761	-0.479
1E+12	32	1.219	0.454	-0.765
1E+12	33	1.252	0.579	-0.673
5E+12	34	1.343	0.543	-0.800
5E+12	35	1.268	0.486	-0.782
5E+12	36	1.279	0.525	-0.755
5E+12	37	1.268	0.475	-0.793
1E+13	38	1.351	0.539	-0.812
1E+13	39	1.345	1.019	-0.326
1E+13	40	1.344	0.473	-0.871
1E+13	41	1.328	0.555	-0.773
	Max	1.462	1.019	-0.326
	Average	1.288	0.567	-0.721
	Min	1.151	0.454	-0.943
	Std Dev	0.076	0.145	0.158

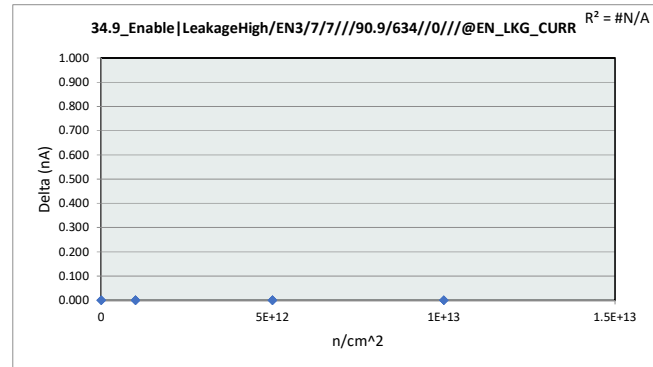


34.8_Enable LeakageHigh/EN2/7/7///90.9/634//0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Max Limit	152		nA	
Min Limit	-100		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-100.000	-100.000	-100.000	-100.000
Min	0.480	0.454	0.475	0.473
Average	0.528	0.578	0.507	0.647
Max	0.585	0.761	0.543	1.019
UL	152.000	152.000	152.000	152.000

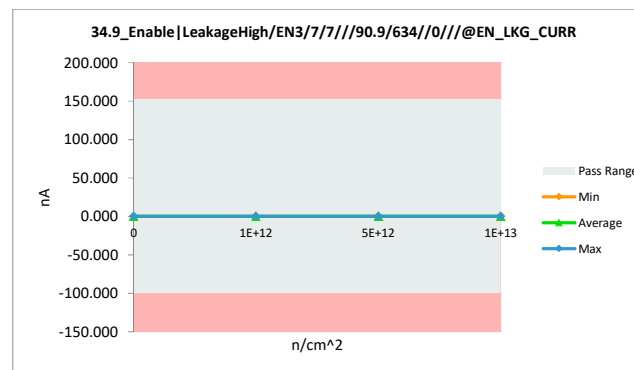


NDD Report TPS7H4102-SP

34.9_Enable LeakageHigh/EN3/7/7///90.9/634//0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Unit	nA		nA	
Max Limit	154		152	
Min Limit	-150.4		-100	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	0.000	0.000	0.000
0	2	0.000	0.000	0.000
0	3	0.000	0.000	0.000
1E+12	30	0.000	0.000	0.000
1E+12	31	0.000	0.000	0.000
1E+12	32	0.000	0.000	0.000
1E+12	33	0.000	0.000	0.000
5E+12	34	0.000	0.000	0.000
5E+12	35	0.000	0.000	0.000
5E+12	36	0.000	0.000	0.000
5E+12	37	0.000	0.000	0.000
1E+13	38	0.000	0.000	0.000
1E+13	39	0.000	0.000	0.000
1E+13	40	0.000	0.000	0.000
1E+13	41	0.000	0.000	0.000
	Max	0.000	0.000	0.000
	Average	0.000	0.000	0.000
	Min	0.000	0.000	0.000
	Std Dev	0.000	0.000	0.000

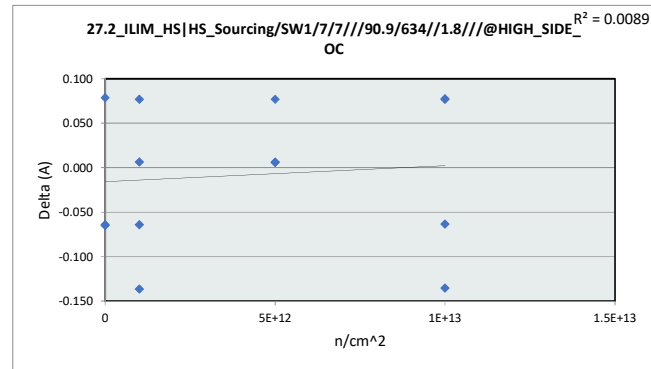


34.9_Enable LeakageHigh/EN3/7/7///90.9/634//0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Max Limit	152		nA	
Min Limit	-100		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-100.000	-100.000	-100.000	-100.000
Min	0.000	0.000	0.000	0.000
Average	0.000	0.000	0.000	0.000
Max	0.000	0.000	0.000	0.000
UL	152.000	152.000	152.000	152.000

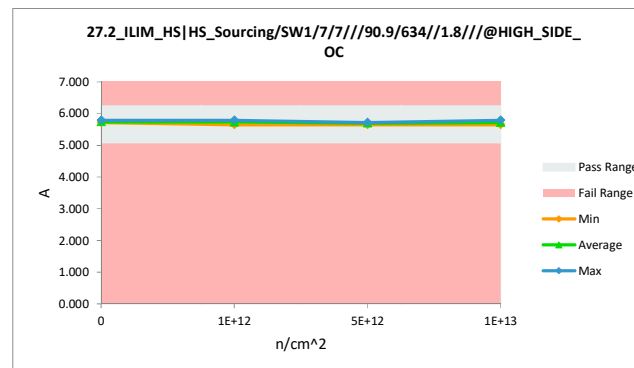


NDD Report TPS7H4102-SP

27.2_ILIM_HS HS_Sourcing/SW1/7/7///				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	6.3	6.24		
Min Limit	5	5.06		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.713	5.792	0.078
0	2	5.785	5.720	-0.064
0	3	5.786	5.721	-0.065
1E+12	30	5.644	5.721	0.077
1E+12	31	5.786	5.649	-0.137
1E+12	32	5.785	5.792	0.006
1E+12	33	5.856	5.792	-0.064
5E+12	34	5.714	5.720	0.006
5E+12	35	5.715	5.720	0.006
5E+12	36	5.644	5.649	0.006
5E+12	37	5.644	5.721	0.077
1E+13	38	5.644	5.720	0.077
1E+13	39	5.785	5.721	-0.064
1E+13	40	5.785	5.650	-0.136
1E+13	41	5.714	5.792	0.077
	Max	5.856	5.792	0.078
	Average	5.733	5.725	-0.008
	Min	5.644	5.649	-0.137
	Std Dev	0.068	0.050	0.077

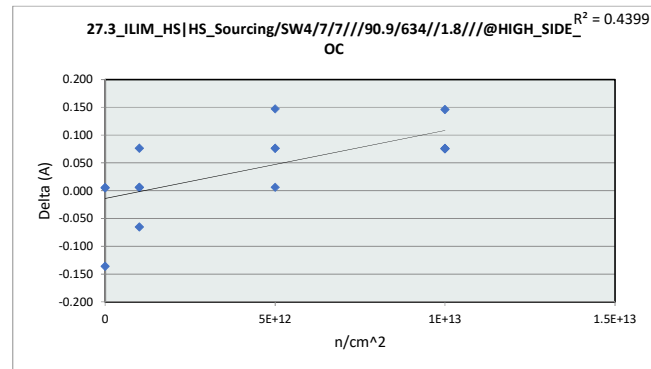


27.2_ILIM_HS HS_Sourcing/S				
Test Site				
Tester				
Test Number				
Max Limit	6.24	A		
Min Limit	5.06	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.060	5.060	5.060	5.060
Min	5.720	5.649	5.650	5.650
Average	5.744	5.738	5.703	5.721
Max	5.792	5.792	5.721	5.792
UL	6.240	6.240	6.240	6.240

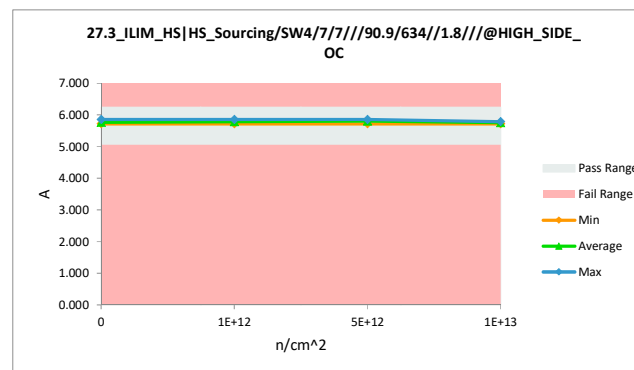


NDD Report TPS7H4102-SP

27.3_ILIM_HS HS_Sourcing/SW4/7/7///				
Test Site				
Tester				
Test Number				
Unit	A		A	
Max Limit	6.3		6.24	
Min Limit	5		5.06	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	5.712	5.717	0.005
0	2	5.853	5.717	-0.136
0	3	5.853	5.859	0.006
1E+12	30	5.712	5.788	0.076
1E+12	31	5.783	5.717	-0.065
1E+12	32	5.783	5.788	0.006
1E+12	33	5.854	5.859	0.005
5E+12	34	5.853	5.859	0.006
5E+12	35	5.783	5.859	0.076
5E+12	36	5.641	5.717	0.076
5E+12	37	5.641	5.788	0.147
1E+13	38	5.713	5.788	0.076
1E+13	39	5.642	5.788	0.146
1E+13	40	5.642	5.717	0.075
1E+13	41	5.642	5.718	0.076
	Max	5.854	5.859	0.147
	Average	5.741	5.779	0.038
	Min	5.641	5.717	-0.136
	Std Dev	0.088	0.059	0.075

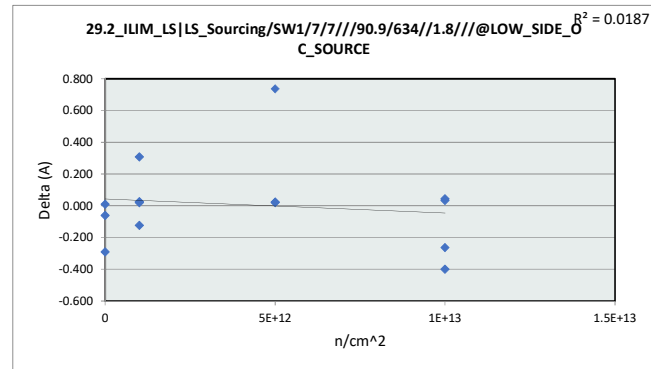


27.3_ILIM_HS HS_Sourcing/S				
Test Site				
Tester				
Test Number				
Max Limit	6.24		A	
Min Limit	5.06		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.060	5.060	5.060	5.060
Min	5.717	5.717	5.717	5.717
Average	5.764	5.788	5.806	5.753
Max	5.859	5.859	5.859	5.788
UL	6.240	6.240	6.240	6.240

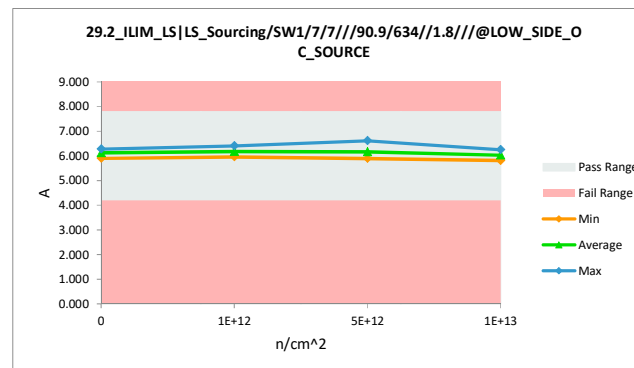


NDD Report TPS7H4102-SP

29.2_ILIM_LS LS_Sourcing/SW1/7/7///90.9/634//1.8///@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.8	7.792		
Min Limit	4.2	4.208		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.193	5.902	-0.292
0	2	6.268	6.206	-0.062
0	3	6.268	6.276	0.008
1E+12	30	5.946	6.253	0.307
1E+12	31	6.081	5.956	-0.125
1E+12	32	6.081	6.099	0.018
1E+12	33	6.384	6.409	0.025
5E+12	34	6.144	6.166	0.022
5E+12	35	5.961	5.978	0.017
5E+12	36	5.873	5.897	0.023
5E+12	37	5.878	6.614	0.736
1E+13	38	6.066	6.109	0.043
1E+13	39	6.216	5.815	-0.401
1E+13	40	6.213	5.949	-0.264
1E+13	41	6.216	6.249	0.033
	Max	6.384	6.614	0.736
	Average	6.119	6.125	0.006
	Min	5.873	5.815	-0.401
	Std Dev	0.153	0.217	0.264

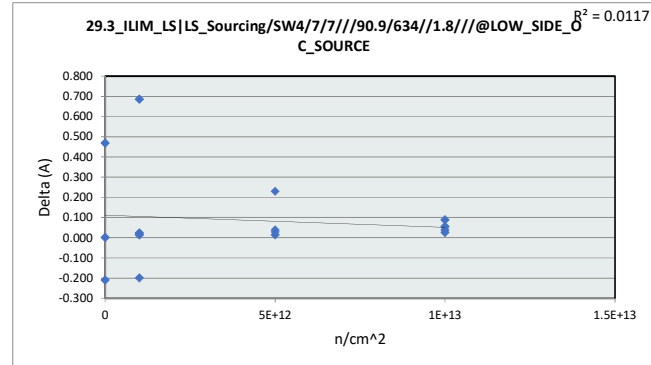


29.2_ILIM_LS LS_Sourcing/SW1/7/7///90.9/634//1.8///@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Max Limit	7.792	A		
Min Limit	4.208	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.902	5.956	5.897	5.815
Average	6.128	6.179	6.163	6.030
Max	6.276	6.409	6.614	6.249
UL	7.792	7.792	7.792	7.792

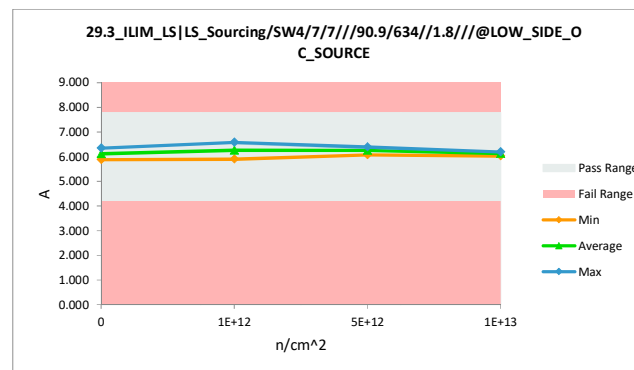


NDD Report TPS7H4102-SP

29.3_ILIM_LS LS_Sourcing/SW4/7/7///90.9/634//1.8///@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	7.8	7.792		
Min Limit	4.2	4.208		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	6.342	6.132	-0.210
0	2	5.876	6.344	0.467
0	3	5.878	5.879	0.000
1E+12	30	5.897	6.582	0.685
1E+12	31	6.104	5.904	-0.201
1E+12	32	6.104	6.117	0.013
1E+12	33	6.429	6.451	0.022
5E+12	34	6.364	6.392	0.028
5E+12	35	6.216	6.254	0.037
5E+12	36	6.061	6.074	0.013
5E+12	37	6.059	6.287	0.229
1E+13	38	5.991	6.029	0.038
1E+13	39	6.102	6.189	0.087
1E+13	40	6.104	6.129	0.025
1E+13	41	6.105	6.159	0.054
	Max	6.429	6.582	0.685
	Average	6.109	6.195	0.086
	Min	5.876	5.879	-0.210
	Std Dev	0.170	0.195	0.228

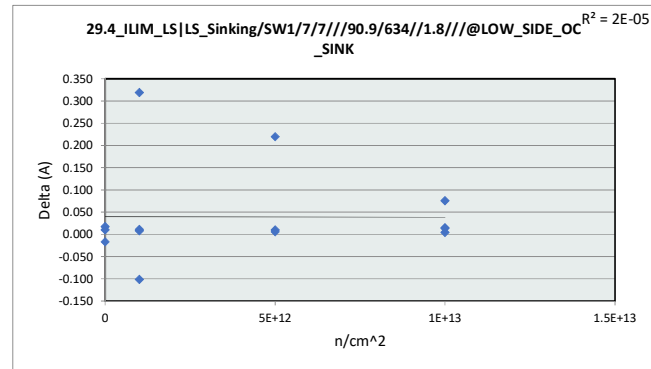


29.3_ILIM_LS LS_Sourcing/SW4/7/7///90.9/634//1.8///@LOW_SIDE_O				
Test Site				
Tester				
Test Number				
Max Limit	7.792	A		
Min Limit	4.208	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.879	5.904	6.074	6.029
Average	6.118	6.264	6.252	6.127
Max	6.344	6.582	6.392	6.189
UL	7.792	7.792	7.792	7.792

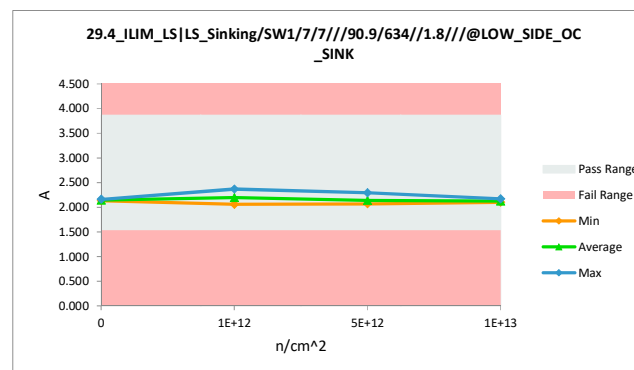


NDD Report TPS7H4102-SP

29.4_ILIM_LS LS_Sinking/SW1/7/7//90.9/634//1.8///@LOW_SIDE_OC				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.867		
Min Limit	1.5	1.533		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.126	2.143	0.017
0	2	2.151	2.133	-0.017
0	3	2.151	2.160	0.009
1E+12	30	2.049	2.368	0.319
1E+12	31	2.160	2.059	-0.102
1E+12	32	2.159	2.167	0.008
1E+12	33	2.184	2.194	0.011
5E+12	34	2.066	2.071	0.005
5E+12	35	2.082	2.091	0.009
5E+12	36	2.077	2.085	0.007
5E+12	37	2.076	2.295	0.219
1E+13	38	2.102	2.115	0.013
1E+13	39	2.097	2.101	0.004
1E+13	40	2.097	2.172	0.075
1E+13	41	2.097	2.111	0.014
Max		2.184	2.368	0.319
Average		2.112	2.151	0.039
Min		2.049	2.059	-0.102
Std Dev		0.041	0.084	0.101

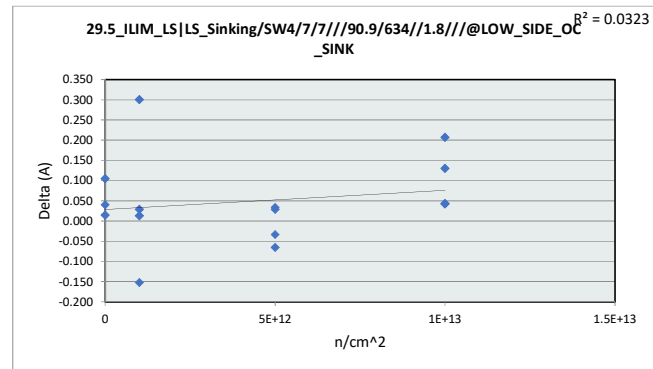


29.4_ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Max Limit	3.867	A		
Min Limit	1.533	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.133	2.059	2.071	2.101
Average	2.146	2.197	2.135	2.125
Max	2.160	2.368	2.295	2.172
UL	3.867	3.867	3.867	3.867

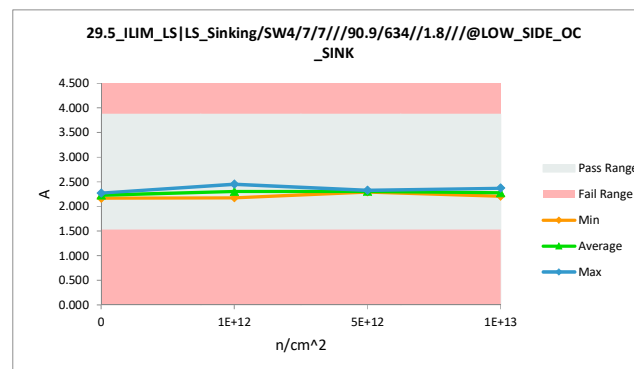


NDD Report TPS7H4102-SP

29.5_ILIM_LS LS_Sinking/SW4/7/7//90.9/634/1.8//@LOW_SIDE_OC				
Test Site				
Tester				
Test Number				
Unit	A	A		
Max Limit	3.9	3.867		
Min Limit	1.5	1.533		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.230	2.269	0.039
0	2	2.149	2.253	0.104
0	3	2.151	2.165	0.014
1E+12	30	2.149	2.449	0.300
1E+12	31	2.325	2.172	-0.153
1E+12	32	2.325	2.337	0.012
1E+12	33	2.211	2.240	0.029
5E+12	34	2.267	2.295	0.028
5E+12	35	2.268	2.301	0.033
5E+12	36	2.360	2.326	-0.034
5E+12	37	2.359	2.293	-0.066
1E+13	38	2.205	2.247	0.043
1E+13	39	2.161	2.291	0.130
1E+13	40	2.163	2.370	0.207
1E+13	41	2.161	2.203	0.042
	Max	2.360	2.449	0.300
	Average	2.232	2.281	0.049
	Min	2.149	2.165	-0.153
	Std Dev	0.079	0.074	0.108

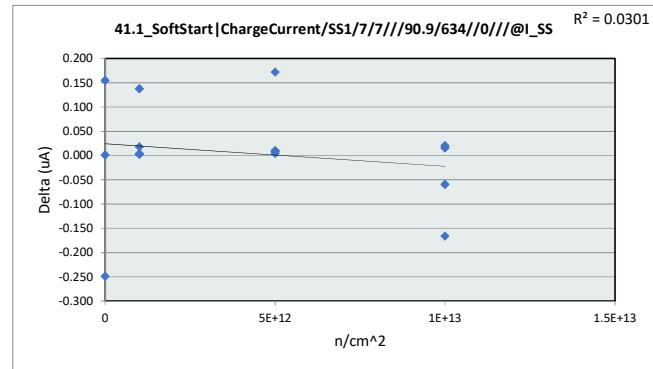


29.5_ILIM_LS LS_Sinking/SW				
Test Site				
Tester				
Test Number				
Max Limit	3.867	A		
Min Limit	1.533	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.165	2.172	2.293	2.203
Average	2.229	2.300	2.304	2.278
Max	2.269	2.449	2.326	2.370
UL	3.867	3.867	3.867	3.867

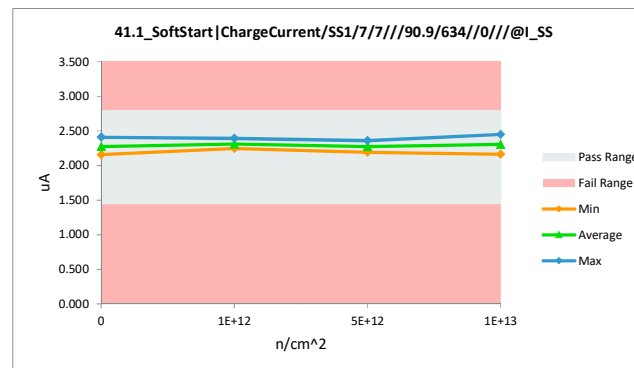


NDD Report TPS7H4102-SP

41.1_SoftStart ChargeCurrent/SS1/7/7//				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	2.83		2.79	
Min Limit	1.4		1.44	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.407	2.157	-0.250
0	2	2.254	2.409	0.155
0	3	2.254	2.255	0.001
1E+12	30	2.256	2.394	0.137
1E+12	31	2.242	2.260	0.018
1E+12	32	2.242	2.245	0.003
1E+12	33	2.339	2.340	0.002
5E+12	34	2.315	2.322	0.007
5E+12	35	2.215	2.225	0.010
5E+12	36	2.189	2.193	0.004
5E+12	37	2.188	2.360	0.172
1E+13	38	2.429	2.450	0.020
1E+13	39	2.330	2.164	-0.166
1E+13	40	2.331	2.271	-0.060
1E+13	41	2.330	2.345	0.015
	Max	2.429	2.450	0.172
	Average	2.288	2.293	0.005
	Min	2.188	2.157	-0.250
	Std Dev	0.073	0.090	0.109

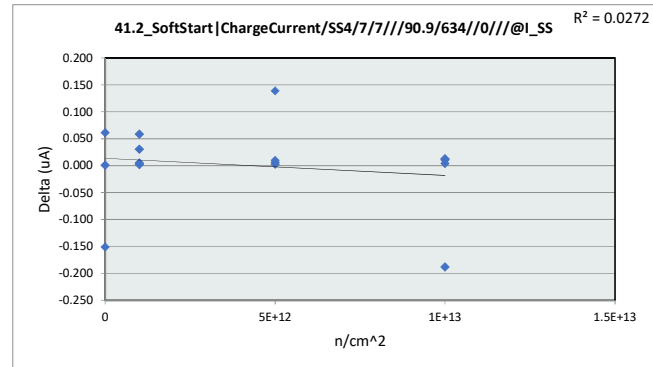


41.1_SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Max Limit	2.79		uA	
Min Limit	1.44		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.440	1.440	1.440	1.440
Min	2.157	2.245	2.193	2.164
Average	2.274	2.310	2.275	2.307
Max	2.409	2.394	2.360	2.450
UL	2.790	2.790	2.790	2.790

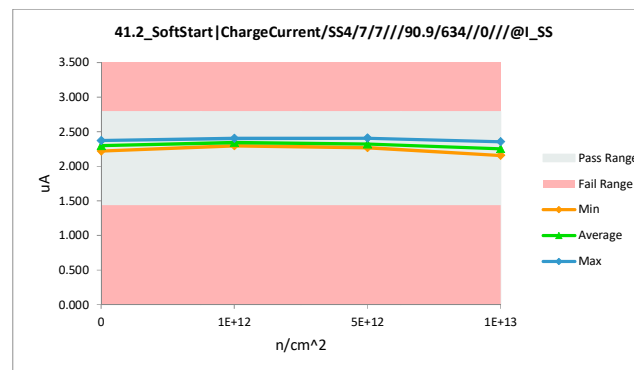


NDD Report TPS7H4102-SP

41.2_SoftStart ChargeCurrent/SS4/7/7/				
Test Site				
Tester				
Test Number				
Unit	uA		uA	
Max Limit	2.83		2.79	
Min Limit	1.4		1.44	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	2.372	2.220	-0.151
0	2	2.312	2.373	0.061
0	3	2.311	2.311	0.001
1E+12	30	2.346	2.405	0.058
1E+12	31	2.319	2.350	0.030
1E+12	32	2.317	2.319	0.002
1E+12	33	2.292	2.297	0.005
5E+12	34	2.314	2.320	0.006
5E+12	35	2.290	2.299	0.010
5E+12	36	2.267	2.269	0.003
5E+12	37	2.266	2.405	0.139
1E+13	38	2.144	2.157	0.013
1E+13	39	2.344	2.156	-0.189
1E+13	40	2.345	2.349	0.004
1E+13	41	2.344	2.355	0.011
	Max	2.372	2.405	0.139
	Average	2.305	2.306	0.000
	Min	2.144	2.156	-0.189
	Std Dev	0.054	0.078	0.078

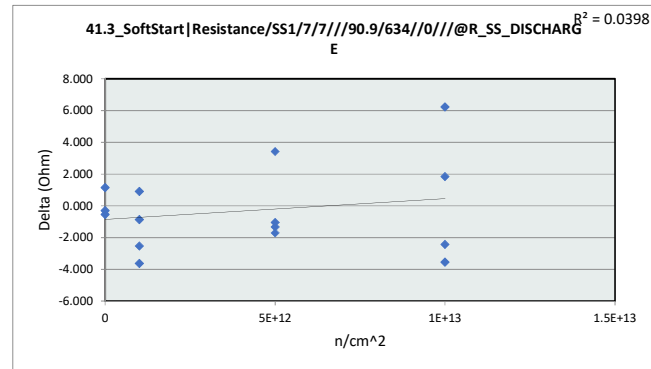


41.2_SoftStart ChargeCurrent				
Test Site				
Tester				
Test Number				
Max Limit	2.79		uA	
Min Limit	1.44		uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.440	1.440	1.440	1.440
Min	2.220	2.297	2.269	2.156
Average	2.301	2.342	2.324	2.254
Max	2.373	2.405	2.405	2.355
UL	2.790	2.790	2.790	2.790

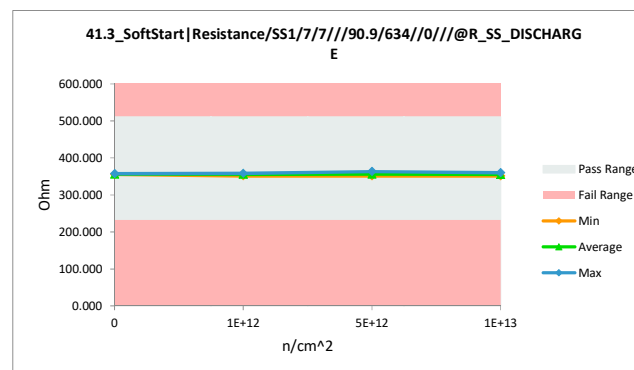


NDD Report TPS7H4102-SP

41.3_SoftStart Resistance/SS1/7/7///90				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	356.183	357.313	1.129
0	2	355.622	355.311	-0.310
0	3	355.649	355.092	-0.556
1E+12	30	357.495	358.392	0.897
1E+12	31	359.706	356.067	-3.639
1E+12	32	359.729	357.192	-2.536
1E+12	33	352.142	351.263	-0.879
5E+12	34	352.774	351.430	-1.344
5E+12	35	353.791	352.723	-1.068
5E+12	36	359.116	357.402	-1.714
5E+12	37	359.416	362.828	3.412
1E+13	38	357.992	354.435	-3.558
1E+13	39	353.421	359.641	6.220
1E+13	40	353.627	355.464	1.837
1E+13	41	353.945	351.507	-2.438
	Max	359.729	362.828	6.220
	Average	356.040	355.737	-0.303
	Min	352.142	351.263	-3.639
	Std Dev	2.701	3.251	2.669

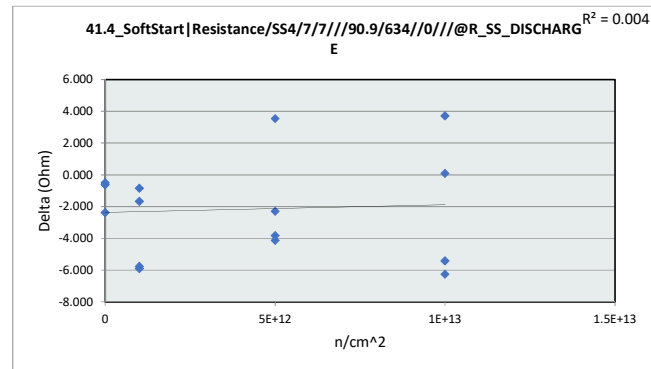


41.3_SoftStart Resistance/SS1/7/7///90.9/634//0///@R_SS_DISCHARG E				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	355.092	351.263	351.430	351.507
Average	355.905	355.729	356.096	355.262
Max	357.313	358.392	362.828	359.641
UL	511.000	511.000	511.000	511.000

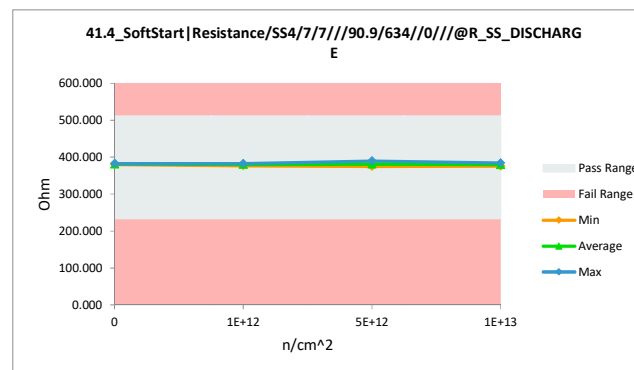


NDD Report TPS7H4102-SP

41.4_SoftStart Resistance/SS4/7/7///90.9/634//0///@R_SS_DISCHARG				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	382.133	381.502	-0.631
0	2	382.800	380.409	-2.391
0	3	382.690	382.181	-0.509
1E+12	30	383.353	382.493	-0.859
1E+12	31	387.328	381.412	-5.916
1E+12	32	387.252	381.480	-5.772
1E+12	33	377.994	376.309	-1.685
5E+12	34	379.217	375.073	-4.143
5E+12	35	379.675	377.367	-2.308
5E+12	36	386.068	382.237	-3.831
5E+12	37	386.146	389.672	3.526
1E+13	38	385.475	379.216	-6.259
1E+13	39	380.367	384.078	3.710
1E+13	40	380.739	380.819	0.079
1E+13	41	380.772	375.347	-5.425
	Max	387.328	389.672	3.710
	Average	382.801	380.640	-2.161
	Min	377.994	375.073	-6.259
	Std Dev	3.048	3.726	3.165

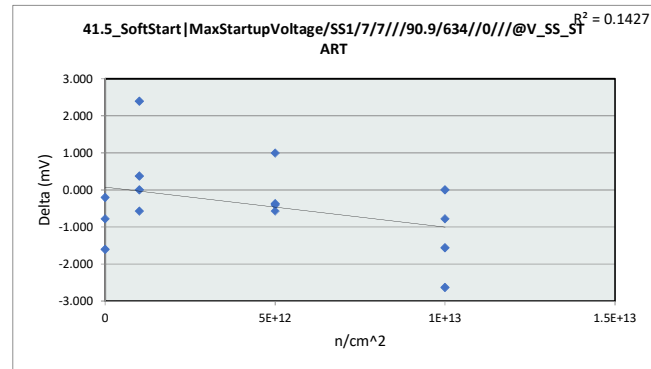


41.4_SoftStart Resistance/SS4/7/7///90.9/634//0///@R_SS_DISCHARG				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm ²	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	380.409	376.309	375.073	375.347
Average	381.364	380.424	381.088	379.865
Max	382.181	382.493	389.672	384.078
UL	511.000	511.000	511.000	511.000

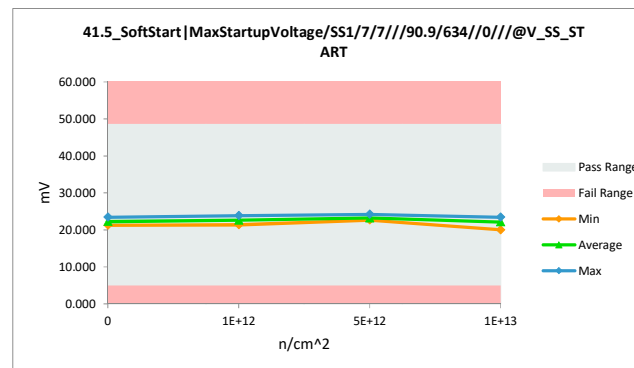


NDD Report TPS7H4102-SP

41.5_SoftStart MaxStartupVoltage/SS1/7				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	50		48.5	
Min Limit	-3.7		5	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	22.032	21.249	-0.783
0	2	23.639	22.032	-1.608
0	3	23.639	23.433	-0.206
1E+12	30	24.423	23.846	-0.577
1E+12	31	21.249	23.639	2.391
1E+12	32	21.249	21.620	0.371
1E+12	33	21.414	21.414	0.000
5E+12	34	23.021	22.650	-0.371
5E+12	35	23.846	23.433	-0.412
5E+12	36	23.227	22.650	-0.577
5E+12	37	23.227	24.217	0.989
1E+13	38	24.217	23.433	-0.783
1E+13	39	22.650	22.650	0.000
1E+13	40	22.650	20.012	-2.638
1E+13	41	24.010	22.444	-1.566
	Max	24.423	24.217	2.391
	Average	22.966	22.582	-0.385
	Min	21.249	20.012	-2.638
	Std Dev	1.068	1.152	1.160

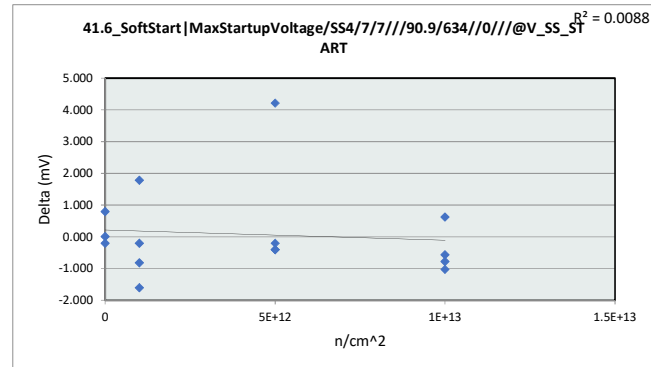


41.5_SoftStart MaxStartupVoltage/SS1/7/7///90.9/634//0///@V_SS_ST				
Test Site				
Tester				
Test Number				
Max Limit	48.5		mV	
Min Limit	5		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	21.249	21.414	22.650	20.012
Average	22.238	22.630	23.238	22.135
Max	23.433	23.846	24.217	23.433
UL	48.500	48.500	48.500	48.500

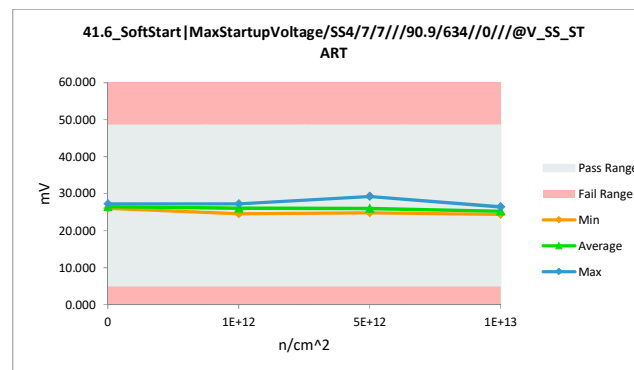


NDD Report TPS7H4102-SP

41.6_SoftStart MaxStartupVoltage/SS4/7				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	50		48.5	
Min Limit	-3.7		5	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	26.442	27.226	0.783
0	2	26.236	26.236	0.000
0	3	26.236	26.030	-0.206
1E+12	30	27.432	25.824	-1.608
1E+12	31	25.453	27.226	1.772
1E+12	32	25.453	24.629	-0.824
1E+12	33	26.855	26.649	-0.206
5E+12	34	25.453	25.041	-0.412
5E+12	35	25.247	24.835	-0.412
5E+12	36	25.041	24.835	-0.206
5E+12	37	25.041	29.245	4.204
1E+13	38	25.453	24.423	-1.030
1E+13	39	25.824	26.442	0.618
1E+13	40	25.824	25.247	-0.577
1E+13	41	25.824	25.041	-0.783
	Max	27.432	29.245	4.204
	Average	25.854	25.929	0.074
	Min	25.041	24.423	-1.608
	Std Dev	0.680	1.300	1.401

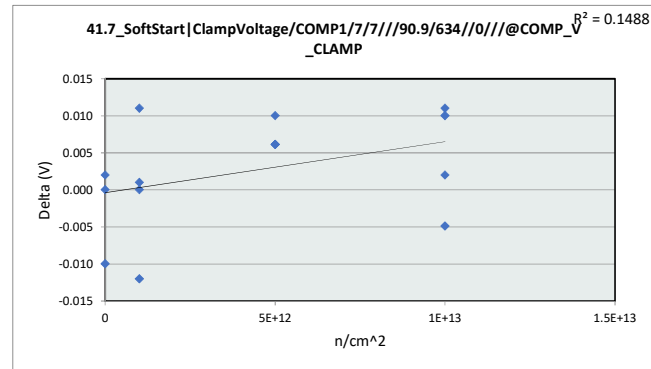


41.6_SoftStart MaxStartupVoltage/SS4/7/7///90.9/634//0///@V_SS_ST				
Test Site				
Tester				
Test Number				
Max Limit	48.5		mV	
Min Limit	5		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	26.030	24.629	24.835	24.423
Average	26.497	26.082	25.989	25.288
Max	27.226	27.226	29.245	26.442
UL	48.500	48.500	48.500	48.500

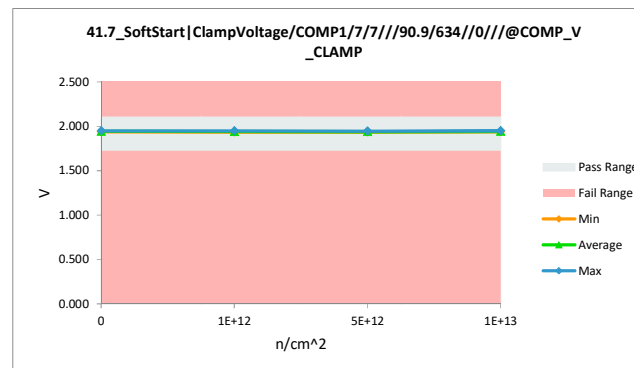


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41.7_SoftStart ClampVoltage/COMP1/7/7				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.13		2.105	
Min Limit	1.7		1.725	
n/cm^2	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.948	1.938	-0.010
0	2	1.946	1.948	0.002
0	3	1.946	1.946	0.000
1E+12	30	1.934	1.945	0.011
1E+12	31	1.947	1.935	-0.012
1E+12	32	1.947	1.947	0.000
1E+12	33	1.939	1.941	0.001
5E+12	34	1.939	1.945	0.006
5E+12	35	1.928	1.934	0.006
5E+12	36	1.929	1.936	0.006
5E+12	37	1.929	1.939	0.010
1E+13	38	1.931	1.942	0.011
1E+13	39	1.941	1.936	-0.005
1E+13	40	1.941	1.942	0.002
1E+13	41	1.941	1.951	0.010
	Max	1.948	1.951	0.011
	Average	1.939	1.941	0.003
	Min	1.928	1.934	-0.012
	Std Dev	0.007	0.005	0.007

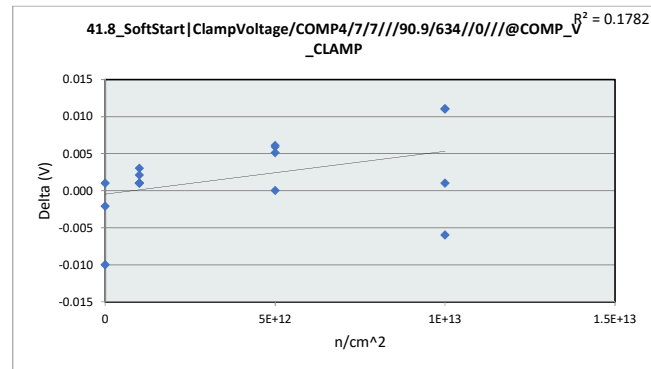


41.7_SoftStart ClampVoltage/				
Test Site				
Tester				
Test Number				
Max Limit	2.105		V	
Min Limit	1.725		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.938	1.935	1.934	1.936
Average	1.944	1.942	1.938	1.943
Max	1.948	1.947	1.945	1.951
UL	2.105	2.105	2.105	2.105

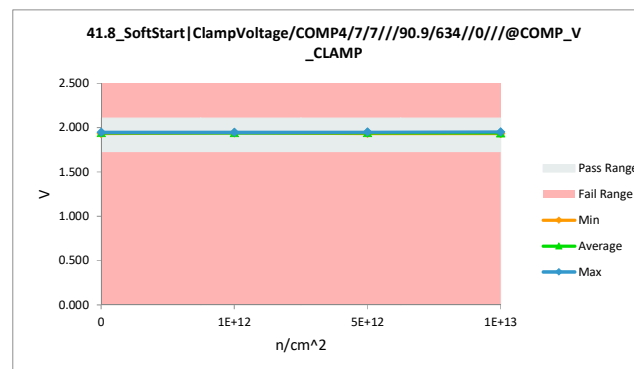


NDD Report TPS7H4102-SP

41.8_SoftStart ClampVoltage/COMP4/7/7				
Test Site				
Tester				
Test Number				
Unit	V		V	
Max Limit	2.13		2.105	
Min Limit	1.7		1.725	
n/cm ²	Serial #	Post_NDD_TPS7H4102-	Pre_NDD_TPS7H4102-	Delta
0	1	1.942	1.933	-0.010
0	2	1.946	1.944	-0.002
0	3	1.946	1.947	0.001
1E+12	30	1.941	1.941	0.001
1E+12	31	1.939	1.941	0.003
1E+12	32	1.939	1.939	0.001
1E+12	33	1.944	1.946	0.002
5E+12	34	1.941	1.948	0.006
5E+12	35	1.939	1.945	0.005
5E+12	36	1.935	1.941	0.006
5E+12	37	1.935	1.935	0.000
1E+13	38	1.928	1.939	0.011
1E+13	39	1.939	1.933	-0.006
1E+13	40	1.939	1.939	0.001
1E+13	41	1.939	1.951	0.011
	Max	1.946	1.951	0.011
	Average	1.939	1.941	0.002
	Min	1.928	1.933	-0.010
	Std Dev	0.005	0.005	0.006



41.8_SoftStart ClampVoltage/				
Test Site				
Tester				
Test Number				
Max Limit	2.105		V	
Min Limit	1.725		V	
n/cm ²	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.933	1.940	1.935	1.933
Average	1.941	1.942	1.942	1.940
Max	1.947	1.946	1.948	1.951
UL	2.105	2.105	2.105	2.105



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