

TPS7H4104-SEP and TPS7H4104-SP QMLP Neutron Displacement Damage (NDD) Characterization Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H4104-SEP and TPS7H4104-SP QMLP, a 7V, 3A channel, quad channel, peak-current mode synchronous buck converter optimized for use in area sensitive, space environment applications. Both the TPS7H4104-SEP and TPS7H4104-SP QMLP 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 TPS7H4104-SEP and TPS7H4104-SP QMLP are an integrated, 7V, 3A per channel, quad channel, peak current mode, synchronous buck converter designed for use in area sensitive, space environment applications. The device incorporates four identical channels that can be used to step down the power input voltage (PVIN) into four independent voltages up to 3A per phase or interleaved to increment the output current as needed, up to 12A.

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

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

The TPS7H4104-SEP and TPS7H4104-SP QMLP are packaged in a 64-pin HTQFP plastic package. A standard microcircuit drawing (SMD) is available for the QML variant, 5962R2320801PYE. As the TPS7H4104-SEP and TPS7H4104-SP QMLP use the same material set, the results are applicable to both devices.

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	TPS7H4104-SEP
TI Part Name	TPS7H4104PAPTSEP
Package	64-pin HTQFP (PAP)
Technology	LBC7
Lot Number/ LTC	5140407 / 53C7CVW
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

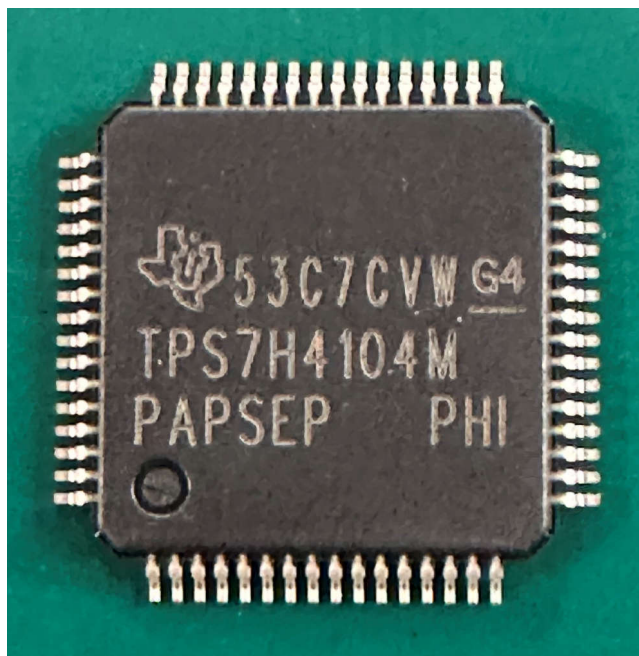


Figure 1-1. TPS7H4104-SEP Device

2 Total Dose Test Setup

2.1 Test Overview

The TPS7H4104-SEP was tested according to MIL-STD-883, Method 1017 as a guide for neutron irradiation. The TPS7H4104-SEP 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 TPS7H4104-SEP 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 [TPS7H4104-SP Radiation-Hardeness-Assured, 3V to 7V Input, 3A/Channel, Quad Channel Synchronous Step Down Converter](#) for the data sheet electrical parameters and associated tests.

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

3.2 Specification Compliance Matrix

Over $3\text{V} \leq V_{IN} \leq 7\text{V}$, $PV_{INx} = V_{IN}$, $REFCAP = 470\text{nF}$, 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 all 4 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	$I_{OUTx} = 0\text{A}, V_{ENx} = 1\text{V}, PV_{IN} = 5\text{V}$			V	42.13 to 42.16
V_{UVLOF_VIN}	VIN internal UVLO falling threshold	$I_{OUTx} = 0\text{A}, V_{ENx} = 1\text{V}, PV_{IN} = 5\text{V}$				42.17 to 42.20
V_{UVLOR_PVIN}	PVIN internal UVLO rising threshold	$I_{OUTx} = 0\text{A}, V_{ENx} = 1\text{V}, V_{IN} = 5\text{V}$			V	42.1 to 42.4
V_{UVLOF_PVIN}	PVIN internal UVLO falling threshold	$I_{OUTx} = 0\text{A}, V_{ENx} = 1\text{V}, V_{IN} = 5\text{V}$				42.5 to 42.8
I_{SHDN_VIN}	VIN shutdown supply current	$V_{ENx} = 0\text{V}$			mA	18.1, 19.1
I_{SHDN_PVIN}	PVIN shutdown supply current	$V_{ENx} = 0\text{V}$				18.2, 19.2
I_{Q_VIN}	VIN operating quiescent current (non switching)	$V_{ENx} = 7\text{V}, VSNSx = 1\text{V}$			mA	18.3, 19.3
I_{Q_PVIN}	PVIN operating quiescent current (non switching)	$V_{ENx} = 7\text{V}, VSNSx = 1\text{V}$				18.5, 19.5
ENABLE and EN_SEQ						
V_{ENx_RISING}	Enable rising threshold (turn-on)	$PV_{INx} = V_{IN} = 5\text{V}$			V	33.1 to 33.4 and 34.1 to 34.4
$V_{ENx_FALLING}$	Enable falling threshold (turn-off)	$PV_{INx} = V_{IN} = 5\text{V}$				33.5 to 33.8 and 34.5 to 34.8
$V_{EN_SEQ_RISING}$	Enable sequence rising threshold (sequence up)	Rise time $\geq 100\text{ns}$	71%	80%	$\times V_{IN}$	54.2
$V_{EN_SEQ_FALLING}$	Enable sequence falling threshold (sequence down)	Fall time $\leq 100\text{ns}$	17%	25%		54.3
V_{CHx_ON}	Sequence UP deemed good voltage	87.4%			$\times V_{REFx}$	55.1 to 55.3 and 56.1 to 56.3
V_{CHx_OFF}	Sequence DOWN deemed no-good voltage	15.4%				55.4 to 55.6 and 56.4 to 56.6

Table 3-1. Specification Compliance Matrix (continued)

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
$t_{ENx_VIN_RISING_PD}$	Enable propagation delay when ENx and VIN are tied together.	VIN=ENx high to SW high			0.85	1.7	ms	35.1 to 35.4 and 36.1 to 36.4
$t_{ENx_RISING_PD}$	Enable propagation delay	ENx high to SW high when $VIN > V_{UVLOR_VIN}$ for at least 1.7ms			50	100	μs	35.5 to 35.8 and 36.5 to 36.8
$t_{ENx_FALLING_PD}$	Disabled propagation delay	ENx low to SW high impedance			9.5	35		35.9 to 35.12 and 36.9 to 36.12
I_{ENx_LKG}	Enable input leakage current	$V_{ENx} = 7V$			0.05	154	nA	34.13 to 34.16
VOLTAGE REFERENCE								
V_{REFx}	Internal voltage reference (including error amplifier V_{IOx})		$T_A = 25^\circ C$	591.5	599.48	603.5	mV	21.2 to 21.5 and 22.2 to 22.5
V_{REFCAP}	REFCAP voltage			1.2	1.235	1.248	V	21.1, 22.1
ERROR AMPLIFIER								
I_{VSNSx_LKG}	VSNSx input leakage current	$VSNSx = 600mV, V_{COMP} = 1V$				30	nA	38.1 to 38.4 and 39.1 to 39.4
g_{mEAx}	Error amplifier transconductance	$-10\mu A < I_{COMP} < 10\mu A, V_{COMP} = 1V$	$T_A = 25^\circ C$	1153	1672	2191	μS	38.5 to 38.8; 38.17 to 38.20; 39.5 to 39.8; and 39.17 to 39.20
EA_{x_ISRC}	Error amplifier source	$V_{COMP} = 1V, \pm 100mV$ input overdrive		88	137	200	μA	38.9 to 38.12 and 39.9 to 39.12
EA_{x_ISNK}	Error amplifier sink			87	135	200		38.13 to 38.16 and 39.13 to 39.16
g_{mPSx}	Power stage transconductance	$V_{COMPx} = 500mV$		5.78	8.35	10.46	S	68.17 to 68.20 and 69.17 to 69.20
$g_{mPSx_MATCHING}$	Power stage transconductance matching across all phases	$V_{COMPx} = 500mV$			1%			68.21 to 68.24 and 69.21 to 69.24
OVERCURRENT PROTECTION								
I_{OC_HSx}	High-side switch overcurrent threshold	Slew rate = 25mA/μs		5.0	5.6	6.3	A	26.2 to 26.5 and 27.2 to 27.5
$I_{OC_LS_SOURCINGx}$	Low-side switch overcurrent sourcing threshold			4.2	6	7.8	A	28.2 to 28.5; 29.2 to 29.5; and 77.2 to 77.5
$I_{OC_LS_SINKINGx}$	Low-side switch overcurrent sinking threshold			1.5	2.55	3.9	A	28.6 to 28.9; 29.6 to 29.9; and 77.6 to 77.9
COMPXCLAMP	COMP voltage clamp			1.7	1.9	2.13	V	40.13 to 40.16 and 41.13 to 41.16
SOFT START AND TRACKING								
I_{SS_TRx}	Soft start charge current	$V_{SS_TRx} \geq 90mV$		1.4	2.28	2.83	μA	40.1 to 40.4 and 41.1 to 41.4
$R_{SS_TRx_DISCHARGE}$	Soft start discharge pull-down resistor	$V_{SS_TRx} = 110mV$		230	364	513	Ω	40.5 and 40.8 and 41.5 to 41.8

Table 3-1. Specification Compliance Matrix (continued)

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
SS_TRXSTART_UP	Maximum voltage on SS before startup				22	50	mV	40.9 to 40.12 and 41.9 to 41.12
MINIMUM ON, OFF, AND DEAD TIME								
t _{ONx_MIN}	Minimum on time	10% of rising edge to 90% of falling edge of V _{SWx} , I _{OUT} = 400mA	V _{IN} = 3V		163	260	ns	45.1 to 45.4
			V _{IN} = 5V		182	270		46.1 to 46.4
			V _{IN} = 7V		216	320		47.1 to 47.4
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	72.13 to 72.16
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 5V			194	240	ns	73.1 to 73.4
t _{SYNC_DLY}	SYNC to SW delay	V _{IN} = 7V			184	238	ns	74.13 to 74.16
V _{SYNC_VIH}	SYNC input high	V _{IN} = 3V		1.4			V	72.17
		V _{IN} = 5V		1.8				73.5
		V _{IN} = 7V		2				74.17
V _{SYNC_VIL}	SYNC input low					0.8	V	72.18, 74.18
DSYNC	SYNC input duty cycle range	external clock duty cycle		40%		60%		72.21, 74.21
t _{CLK_I_E}	Internal clock to external clock detection time	RT populated			1	3	× T _{SW}	72.28, 74.28
t _{CLK_E_I}	External clock to internal clock detection time	RT populated			2	6	× T _{SYNC}	72.22 to 72.25 and 74.22 to 74.25
POWER GOOD								
PWRGDx _{UV_FAULT}	V _{SENSE} falling threshold (fault)			89%	91%	92%		30.5 to 30.8 and 31.5 to 31.8
PWRGDx _{UV_GOOD}	V _{SENSE} rising threshold (good)			92%	94%	96%		30.9 to 30.12 and 31.9 to 31.12
PWRGDx _{OV_FAULT}	V _{SENSE} rising threshold (fault)			107%	109%	111%		30.13 to 30.16 and 31.13 to 31.16
PWRGDx _{OV_GOOD}	V _{SENSE} falling threshold (good)			103%	106%	109%		30.17 to 30.20 and 31.17 to 31.20
I _{PWRGDx_LKG}	Output open high leakage	V _{SENSEx} = V _{REFx} , V _{PWRGD} = 7V			2	520	nA	31.21 to 31.24
V _{PWRGDx_VOL}	Power good output low	I _{PWRGD_SINK} ≤ 2mA			310	400	mV	30.1 to 30.4 and 31.1 to 31.4
V _{IN_MIN_PWRGDx}	Minimum V _{IN} for valid PWRGD output	Measured when V _{PWRGD} ≤ 0.5V at 100μA			0.6	1	V	30.25 and 30.28
MOSFET								
R _{DS_ON_HSx}	High-side switch resistance	P _{VIN} = V _{IN} = 3V, I _{OUTx} = 500mA		T _A = 25°C	70	88	mΩ	48.1 to 48.4
		P _{VIN} = V _{IN} = 5V, I _{OUTx} = 500mA		T _A = 25°C	62	80		49.1 to 49.4
		P _{VIN} = V _{IN} = 7V, I _{OUTx} = 500mA		T _A = 25°C	59	76		50.1 to 50.4

Table 3-1. Specification Compliance Matrix (continued)

Parameter		Test Conditions		MIN	TYP	MAX	UNIT	Test Number
R _{DS_ON_LSx}	Low-side switch resistance	PVIN = VIN = 3V, I _{OUTx} = 500mA	T _A = 25°C		58	68	mΩ	51.1 to 51.4
		PVIN = VIN = 5V, I _{OUTx} = 500mA	T _A = 25°C		55	64		52.1 to 52.44
		PVIN = VIN = 7V, I _{OUTx} = 500mA	T _A = 25°C		54	63		53.1 to 53.4

4 Applicable and Reference Documents

4.1 Applicable Documents

- Texas Instruments, [TPS7H4104-SP Radiation-Hardness-Assured, 3V to 7V Input , 3A/Channel, Quad Channel Synchronous Step Down 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.

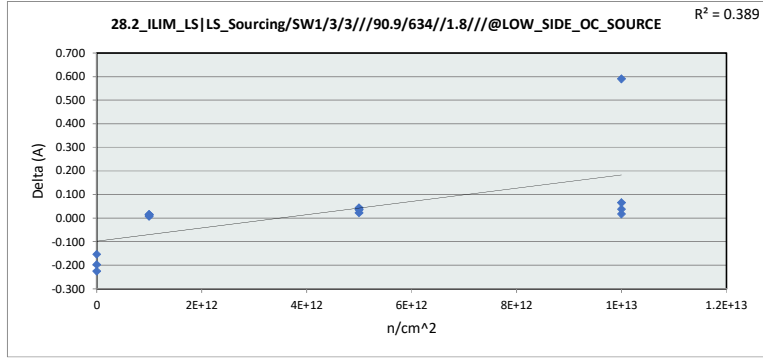
Appendix A: NDD Report Data

This appendix contains the NDD report data.

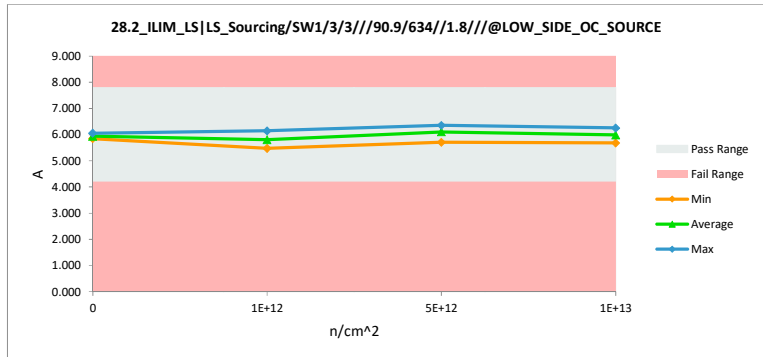
NDD Report
TPS7H4104-SP

NDD Report
TPS7H4104-SP

28.2_ILIM_LS LS_Sourcing/SW1/3/3///90.9/6				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.046	5.849	-0.197
0	2	6.209	6.056	-0.153
0	3	6.141	5.916	-0.225
1E+12	10	5.463	5.478	0.015
1E+12	11	6.134	6.146	0.012
1E+12	12	5.863	5.878	0.015
1E+12	13	5.706	5.713	0.007
5E+12	14	5.665	5.708	0.043
5E+12	15	6.319	6.354	0.035
5E+12	16	6.244	6.281	0.038
5E+12	17	6.051	6.073	0.022
1E+13	18	5.973	6.011	0.038
1E+13	19	5.946	6.011	0.065
1E+13	20	5.663	6.253	0.591
1E+13	21	5.663	5.681	0.018
	Max	6.319	6.354	0.591
	Average	5.939	5.961	0.022
	Min	5.463	5.478	-0.225
	Std Dev	0.257	0.248	0.183



28.2_ILIM_LS LS_Sourcing/SW1/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOURCE				
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	5.849	5.478	5.709	5.681
Average	5.940	5.804	6.104	5.989
Max	6.056	6.146	6.354	6.254
UL	7.792	7.792	7.792	7.792

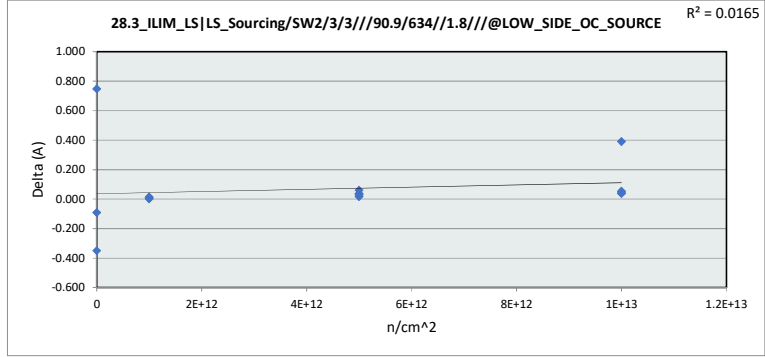


NDD Report
TPS7H4104-SP

28.3_ILIM_LS|LS_Sourcing/SW2/3/3///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

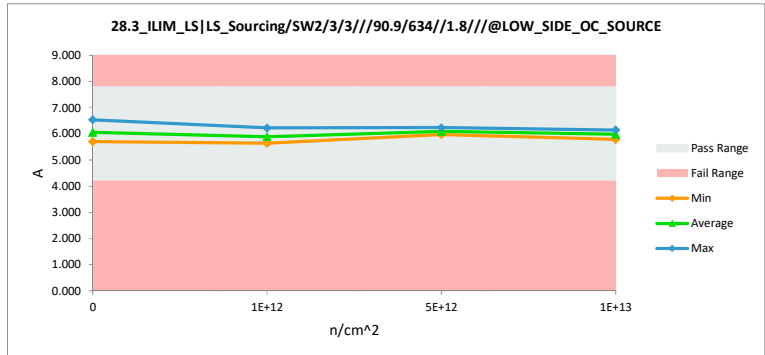
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.055	5.706	-0.349
0	2	5.791	6.539	0.748
0	3	6.044	5.953	-0.090
1E+12	10	5.630	5.638	0.008
1E+12	11	6.226	6.233	0.008
1E+12	12	5.968	5.983	0.015
1E+12	13	5.718	5.720	0.002
5E+12	14	5.948	6.009	0.060
5E+12	15	6.144	6.161	0.017
5E+12	16	6.208	6.239	0.031
5E+12	17	5.933	5.971	0.037
1E+13	18	5.853	5.902	0.049
1E+13	19	6.094	6.148	0.054
1E+13	20	5.744	6.135	0.392
1E+13	21	5.743	5.781	0.038
	Max	6.226	6.539	0.748
	Average	5.940	6.008	0.068
	Min	5.630	5.638	-0.349
	Std Dev	0.188	0.243	0.237



28.3_ILIM_LS|LS_Sourcing/SW2/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOURCE

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	5.706	5.638	5.971	5.781
Average	6.066	5.894	6.095	5.992
Max	6.539	6.233	6.239	6.148
UL	7.792	7.792	7.792	7.792

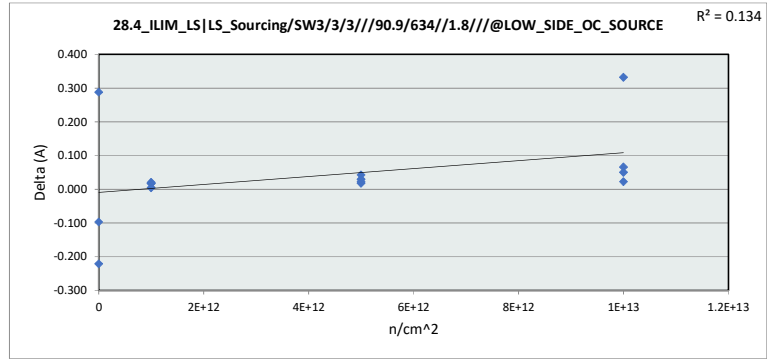


NDD Report
TPS7H4104-SP

28.4_ILIM_LS|LS_Sourcing/SW3/3/3///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

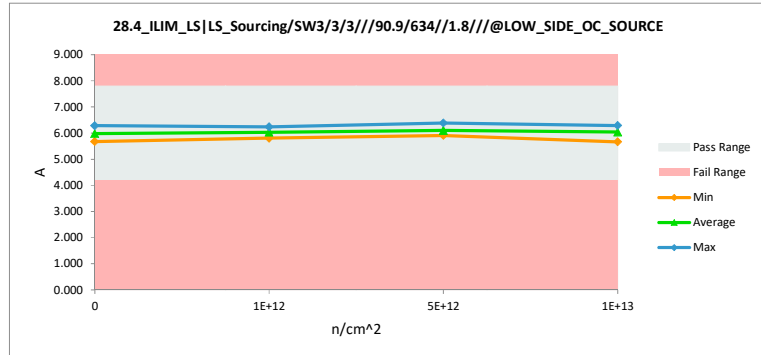
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.897	5.676	-0.221
0	2	5.995	6.283	0.288
0	3	6.081	5.984	-0.097
1E+12	10	5.799	5.804	0.005
1E+12	11	6.217	6.234	0.017
1E+12	12	5.823	5.844	0.020
1E+12	13	6.222	6.239	0.018
5E+12	14	5.866	5.909	0.043
5E+12	15	5.988	6.006	0.018
5E+12	16	6.354	6.384	0.030
5E+12	17	6.084	6.107	0.023
1E+13	18	5.614	5.664	0.050
1E+13	19	6.224	6.290	0.066
1E+13	20	5.924	6.256	0.332
1E+13	21	5.927	5.949	0.022
Max		6.354	6.384	0.332
Average		6.001	6.042	0.041
Min		5.614	5.664	-0.221
Std Dev		0.197	0.234	0.131



28.4_ILIM_LS|LS_Sourcing/SW3/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOURCE

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	5.676	5.804	5.909	5.664
Average	5.981	6.030	6.101	6.040
Max	6.283	6.239	6.384	6.290
UL	7.792	7.792	7.792	7.792

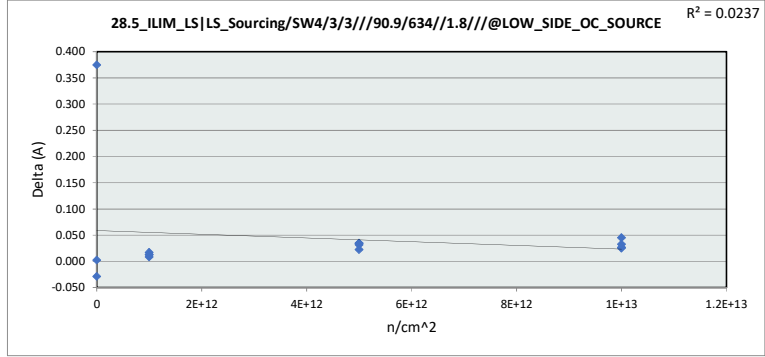


NDD Report
TPS7H4104-SP

28.5_ILIM_LS|LS_Sourcing/SW4/3/3///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

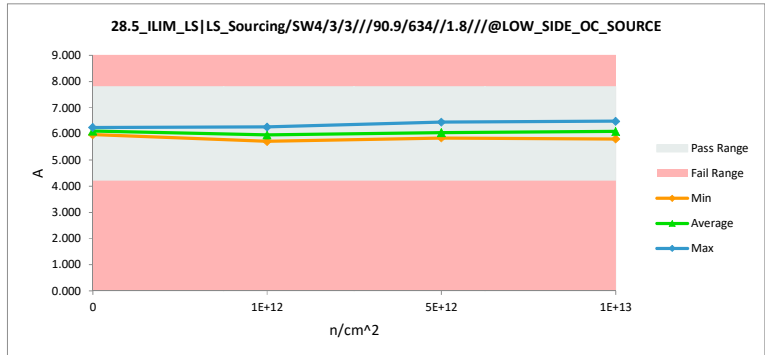
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.997	5.968	-0.029
0	2	5.871	6.246	0.375
0	3	6.107	6.109	0.002
1E+12	10	5.702	5.711	0.009
1E+12	11	6.247	6.264	0.017
1E+12	12	5.994	6.007	0.013
1E+12	13	5.846	5.859	0.013
5E+12	14	5.912	5.943	0.032
5E+12	15	6.417	6.452	0.035
5E+12	16	5.806	5.841	0.035
5E+12	17	5.924	5.947	0.023
1E+13	18	5.776	5.809	0.033
1E+13	19	6.437	6.482	0.045
1E+13	20	6.014	6.039	0.025
1E+13	21	6.014	6.041	0.027
	Max	6.437	6.482	0.375
	Average	6.004	6.048	0.044
	Min	5.702	5.711	-0.029
	Std Dev	0.218	0.227	0.093



28.5_ILIM_LS|LS_Sourcing/SW4/3/3///90.9/634//1.8///@LOW_SIDE_OC_SOURCE

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	5.968	5.711	5.841	5.809
Average	6.108	5.960	6.046	6.093
Max	6.246	6.264	6.452	6.482
UL	7.792	7.792	7.792	7.792

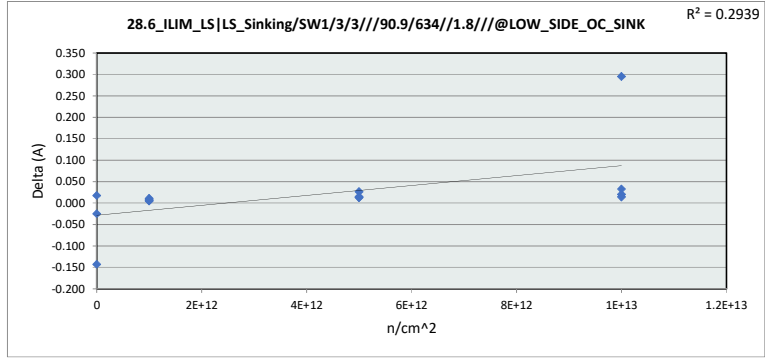


NDD Report
TPS7H4104-SP

28.6_ILIM_LS|LS_Sinking/SW1/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

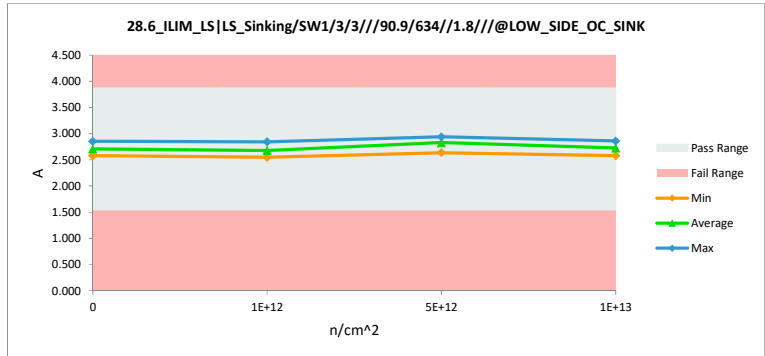
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.722	2.579	-0.143
0	2	2.879	2.855	-0.025
0	3	2.659	2.677	0.018
1E+12	10	2.542	2.547	0.005
1E+12	11	2.832	2.843	0.011
1E+12	12	2.708	2.716	0.008
1E+12	13	2.607	2.613	0.006
5E+12	14	2.611	2.638	0.026
5E+12	15	2.926	2.938	0.013
5E+12	16	2.854	2.867	0.013
5E+12	17	2.851	2.866	0.015
1E+13	18	2.645	2.665	0.020
1E+13	19	2.756	2.789	0.033
1E+13	20	2.566	2.861	0.295
1E+13	21	2.565	2.579	0.015
Max		2.926	2.938	0.295
Average		2.715	2.736	0.021
Min		2.542	2.547	-0.143
Std Dev		0.128	0.130	0.087



28.6_ILIM_LS|LS_Sinking/SW1/3/3///90.9/634

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	2.580	2.547	2.638	2.580
Average	2.704	2.680	2.827	2.724
Max	2.855	2.843	2.938	2.861
UL	3.867	3.867	3.867	3.867

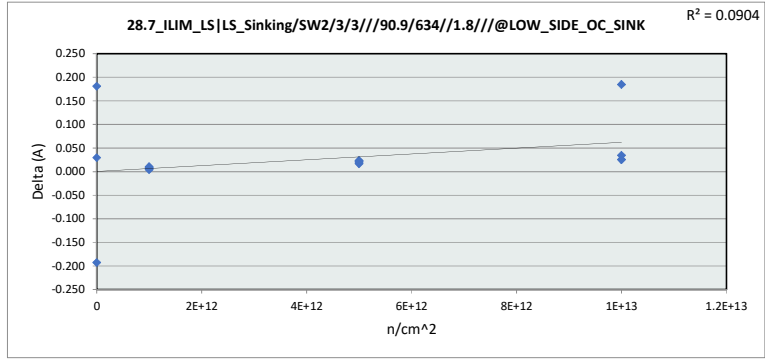


NDD Report
TPS7H4104-SP

28.7_ILIM_LS|LS_Sinking/SW2/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

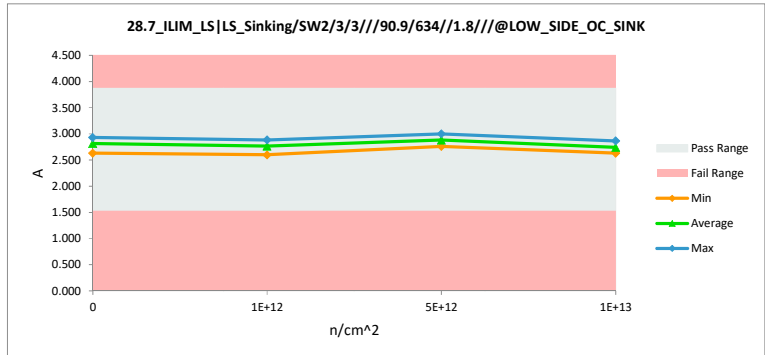
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.826	2.633	-0.193
0	2	2.753	2.934	0.181
0	3	2.846	2.876	0.030
1E+12	10	2.595	2.600	0.004
1E+12	11	2.880	2.886	0.007
1E+12	12	2.819	2.828	0.008
1E+12	13	2.741	2.751	0.010
5E+12	14	2.845	2.862	0.017
5E+12	15	2.981	3.002	0.020
5E+12	16	2.879	2.903	0.023
5E+12	17	2.738	2.760	0.022
1E+13	18	2.608	2.634	0.026
1E+13	19	2.721	2.756	0.034
1E+13	20	2.681	2.866	0.184
1E+13	21	2.680	2.705	0.026
Max		2.981	3.002	0.184
Average		2.773	2.800	0.027
Min		2.595	2.600	-0.193
Std Dev		0.108	0.120	0.084



28.7_ILIM_LS|LS_Sinking/SW2/3/3///90.9/634

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	2.633	2.600	2.760	2.634
Average	2.814	2.766	2.882	2.740
Max	2.934	2.887	3.002	2.866
UL	3.867	3.867	3.867	3.867

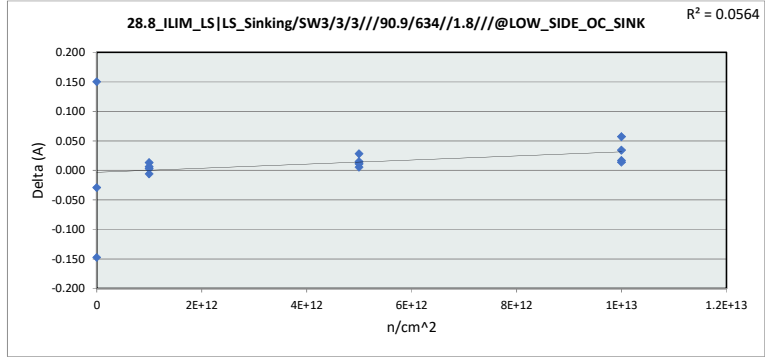


NDD Report
TPS7H4104-SP

28.8_ILIM_LS|LS_Sinking/SW3/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

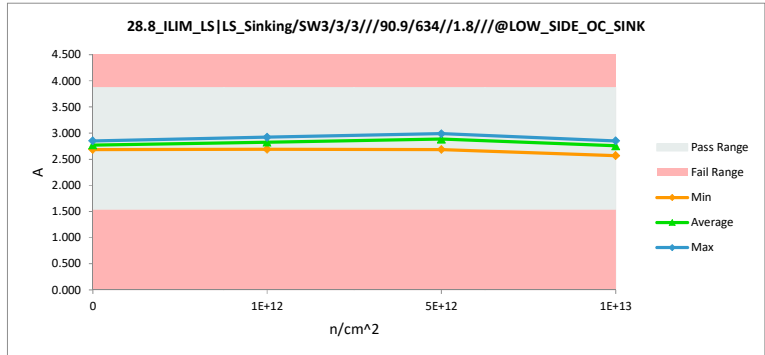
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.834	2.686	-0.148
0	2	2.808	2.780	-0.029
0	3	2.701	2.851	0.150
1E+12	10	2.685	2.691	0.006
1E+12	11	2.928	2.922	-0.006
1E+12	12	2.844	2.847	0.003
1E+12	13	2.835	2.848	0.013
5E+12	14	2.907	2.935	0.028
5E+12	15	2.977	2.988	0.011
5E+12	16	2.922	2.927	0.005
5E+12	17	2.672	2.686	0.015
1E+13	18	2.552	2.569	0.017
1E+13	19	2.816	2.850	0.034
1E+13	20	2.766	2.824	0.057
1E+13	21	2.772	2.786	0.014
	Max	2.977	2.988	0.150
	Average	2.801	2.813	0.011
	Min	2.552	2.569	-0.148
	Std Dev	0.114	0.115	0.060



28.8_ILIM_LS|LS_Sinking/SW3/3/3///90.9/634

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	2.686	2.691	2.686	2.569
Average	2.772	2.827	2.884	2.757
Max	2.851	2.922	2.988	2.850
UL	3.867	3.867	3.867	3.867

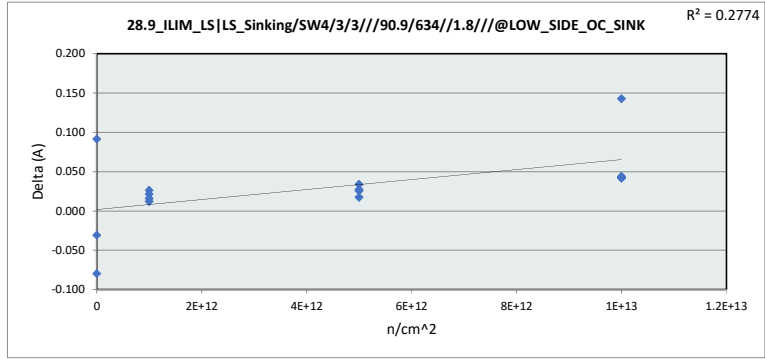


NDD Report
TPS7H4104-SP

28.9_ILIM_LS|LS_Sinking/SW4/3/3///90.9/63/

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

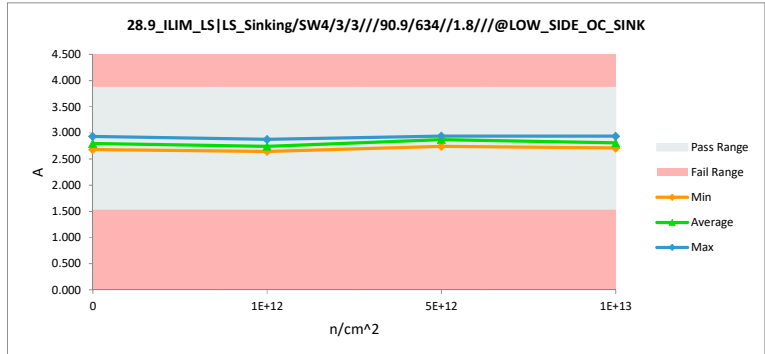
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.758	2.678	-0.080
0	2	2.842	2.933	0.092
0	3	2.815	2.784	-0.031
1E+12	10	2.620	2.647	0.026
1E+12	11	2.859	2.875	0.016
1E+12	12	2.735	2.756	0.021
1E+12	13	2.686	2.698	0.012
5E+12	14	2.714	2.742	0.027
5E+12	15	2.923	2.941	0.017
5E+12	16	2.852	2.886	0.034
5E+12	17	2.900	2.925	0.026
1E+13	18	2.732	2.775	0.043
1E+13	19	2.894	2.938	0.044
1E+13	20	2.666	2.809	0.143
1E+13	21	2.666	2.708	0.042
Max		2.923	2.941	0.143
Average		2.777	2.806	0.029
Min		2.620	2.647	-0.080
Std Dev		0.098	0.103	0.049



28.9_ILIM_LS|LS_Sinking/SW4/3/3/

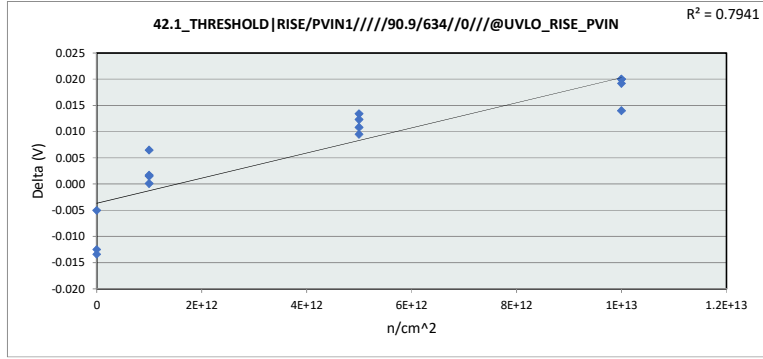
Test Site		
Tester		
Test Number		
Max Limit	3.867	A
Min Limit	1.533	A

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.678	2.647	2.742	2.708
Average	2.799	2.744	2.873	2.808
Max	2.933	2.875	2.941	2.938
UL	3.867	3.867	3.867	3.867

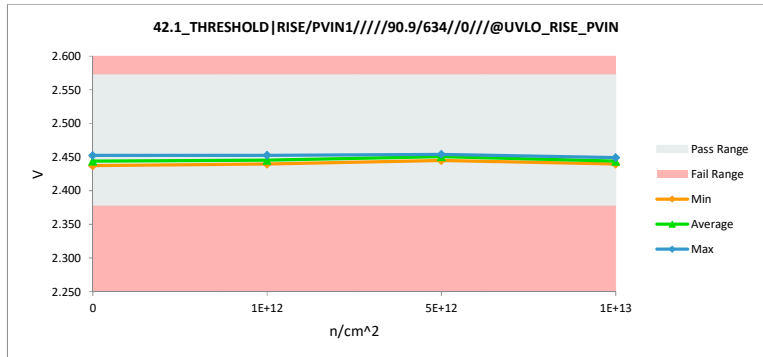


NDD Report
TPS7H4104-SP

42.1_THRESHOLD RISE/PVIN1/////90.9/634//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.58	2.572		
Min Limit	2.37	2.378		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.456	2.443	-0.013
0	2	2.450	2.437	-0.013
0	3	2.457	2.452	-0.005
1E+12	10	2.433	2.440	0.007
1E+12	11	2.444	2.446	0.002
1E+12	12	2.453	2.453	0.000
1E+12	13	2.442	2.443	0.001
5E+12	14	2.443	2.454	0.011
5E+12	15	2.441	2.454	0.013
5E+12	16	2.435	2.445	0.009
5E+12	17	2.437	2.450	0.012
1E+13	18	2.426	2.446	0.020
1E+13	19	2.420	2.440	0.019
1E+13	20	2.426	2.440	0.014
1E+13	21	2.429	2.449	0.020
Max		2.457	2.454	0.020
Average		2.440	2.446	0.007
Min		2.420	2.437	-0.013
Std Dev		0.011	0.006	0.011

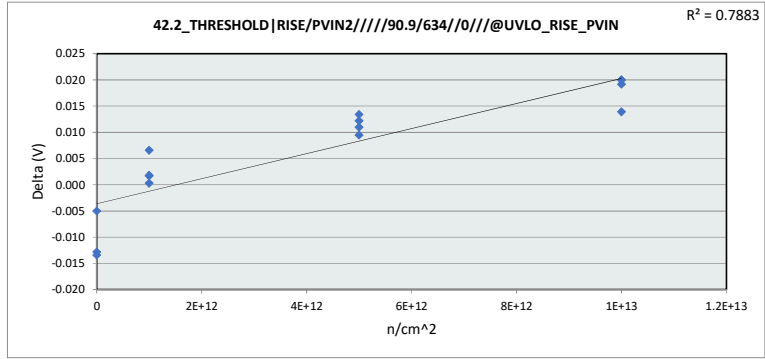


42.1_THRESHOLD RISE/PVIN1/////				
Test Site				
Tester				
Test Number				
Max Limit	2.572	V		
Min Limit	2.378	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.378	2.378	2.378	2.378
Min	2.437	2.440	2.445	2.440
Average	2.444	2.445	2.451	2.444
Max	2.452	2.453	2.454	2.449
UL	2.572	2.572	2.572	2.572

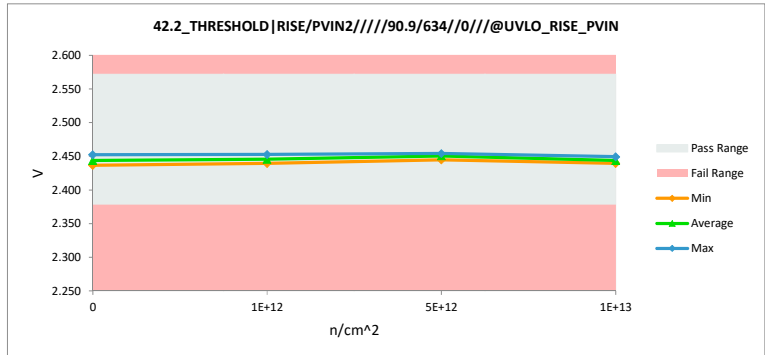


NDD Report
TPS7H4104-SP

42.2_THRESHOLD RISE/PVIN2////90.9/634//				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.456	2.443	-0.013
0	2	2.450	2.437	-0.013
0	3	2.457	2.452	-0.005
1E+12	10	2.433	2.440	0.007
1E+12	11	2.444	2.446	0.002
1E+12	12	2.452	2.453	0.000
1E+12	13	2.442	2.444	0.002
5E+12	14	2.443	2.454	0.011
5E+12	15	2.441	2.454	0.013
5E+12	16	2.435	2.445	0.009
5E+12	17	2.437	2.449	0.012
1E+13	18	2.426	2.446	0.020
1E+13	19	2.420	2.440	0.019
1E+13	20	2.426	2.440	0.014
1E+13	21	2.429	2.449	0.020
Max		2.457	2.454	0.020
Average		2.440	2.446	0.007
Min		2.420	2.437	-0.013
Std Dev		0.011	0.006	0.011

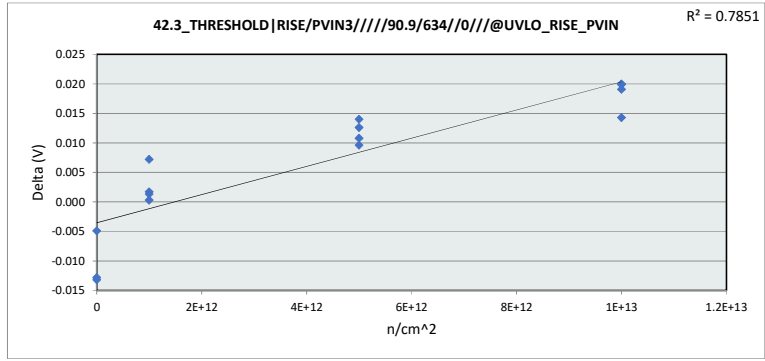


42.2_THRESHOLD RISE/PVIN2////				
Test Site				
Tester				
Test Number				
Max Limit	2.572		V	
Min Limit	2.378		V	
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.378	2.378	2.378	2.378
Min	2.437	2.440	2.445	2.440
Average	2.444	2.445	2.451	2.444
Max	2.452	2.453	2.454	2.449
UL	2.572	2.572	2.572	2.572

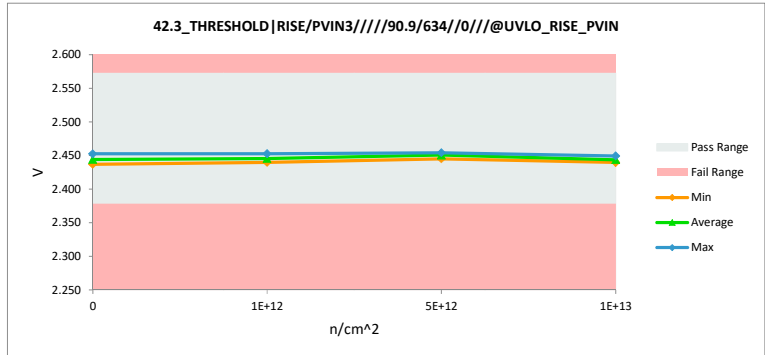


NDD Report
TPS7H4104-SP

42.3_THRESHOLD RISE/PVIN3////90.9/634//				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.456	2.443	-0.013
0	2	2.450	2.437	-0.013
0	3	2.457	2.452	-0.005
1E+12	10	2.432	2.440	0.007
1E+12	11	2.444	2.446	0.002
1E+12	12	2.452	2.453	0.000
1E+12	13	2.442	2.443	0.001
5E+12	14	2.443	2.454	0.011
5E+12	15	2.440	2.454	0.014
5E+12	16	2.435	2.445	0.010
5E+12	17	2.437	2.449	0.013
1E+13	18	2.426	2.446	0.020
1E+13	19	2.420	2.440	0.019
1E+13	20	2.426	2.440	0.014
1E+13	21	2.429	2.449	0.020
Max		2.457	2.454	0.020
Average		2.439	2.446	0.007
Min		2.420	2.437	-0.013
Std Dev		0.011	0.006	0.011



42.3_THRESHOLD RISE/PVIN3////				
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	2.437	2.440	2.445	2.440
Average	2.444	2.445	2.451	2.444
Max	2.452	2.453	2.454	2.449
UL	2.572	2.572	2.572	2.572

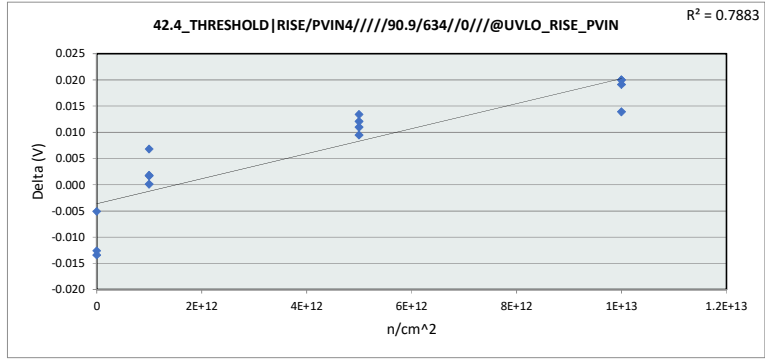


NDD Report
TPS7H4104-SP

42.4_THRESHOLD|RISE/PVIN4////90.9/634//

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.58	2.572
Min Limit	2.37	2.378

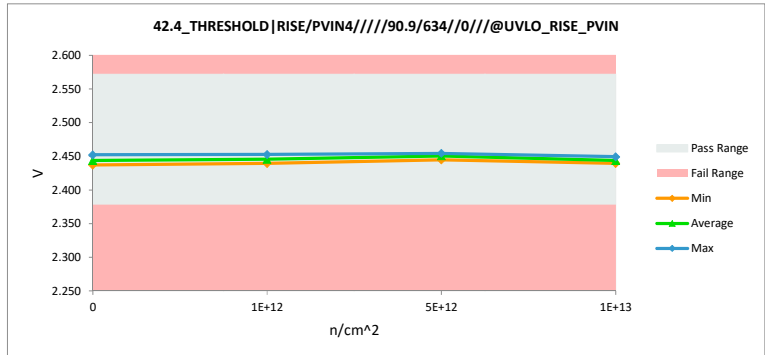
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.456	2.443	-0.013
0	2	2.450	2.437	-0.013
0	3	2.457	2.452	-0.005
1E+12	10	2.433	2.440	0.007
1E+12	11	2.444	2.446	0.002
1E+12	12	2.453	2.453	0.000
1E+12	13	2.442	2.444	0.002
5E+12	14	2.443	2.454	0.011
5E+12	15	2.441	2.454	0.013
5E+12	16	2.435	2.445	0.009
5E+12	17	2.437	2.449	0.012
1E+13	18	2.426	2.446	0.020
1E+13	19	2.420	2.440	0.019
1E+13	20	2.426	2.440	0.014
1E+13	21	2.429	2.449	0.020
Max		2.457	2.454	0.020
Average		2.440	2.446	0.007
Min		2.420	2.437	-0.013
Std Dev		0.011	0.006	0.011



42.4_THRESHOLD|RISE/PVIN4////

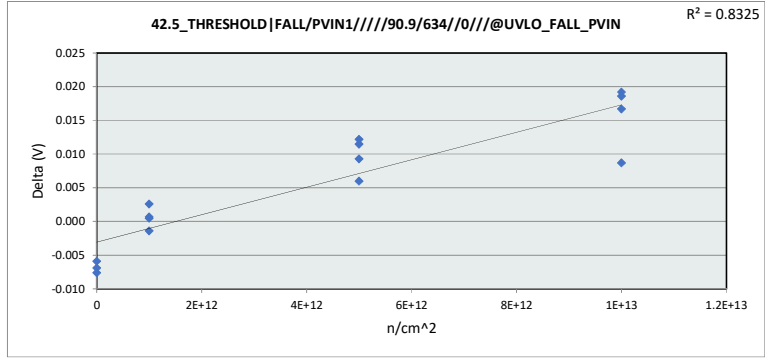
Test Site		
Tester		
Test Number		
Max Limit	2.572	V
Min Limit	2.378	V

n/cm^2	0	1E+12	5E+12	1E+13
LL	2.378	2.378	2.378	2.378
Min	2.437	2.440	2.445	2.440
Average	2.444	2.445	2.451	2.444
Max	2.452	2.453	2.454	2.449
UL	2.572	2.572	2.572	2.572

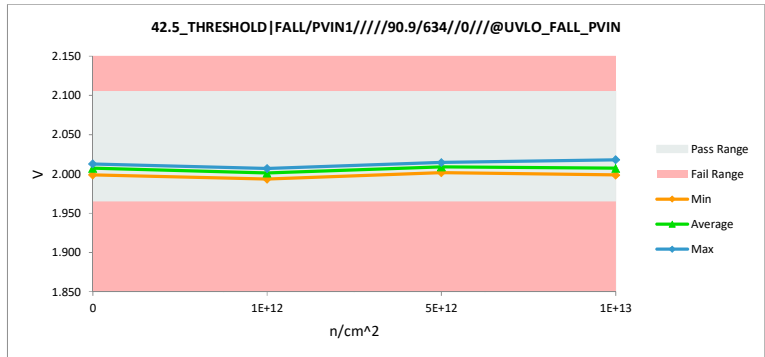


NDD Report
TPS7H4104-SP

42.5_THRESHOLD FALL/PVIN1////90.9/634//				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.020	2.013	-0.007
0	2	2.006	1.999	-0.008
0	3	2.016	2.010	-0.006
1E+12	10	1.993	1.993	0.000
1E+12	11	2.001	2.003	0.003
1E+12	12	2.006	2.007	0.001
1E+12	13	2.002	2.001	-0.001
5E+12	14	2.001	2.010	0.009
5E+12	15	2.002	2.014	0.012
5E+12	16	1.995	2.001	0.006
5E+12	17	1.998	2.010	0.012
1E+13	18	1.999	2.018	0.019
1E+13	19	1.987	2.006	0.019
1E+13	20	1.990	1.999	0.009
1E+13	21	1.990	2.006	0.017
Max		2.020	2.018	0.019
Average		2.000	2.006	0.006
Min		1.987	1.993	-0.008
Std Dev		0.009	0.007	0.009



42.5_THRESHOLD FALL/PVIN1////				
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	1.999	1.993	2.001	1.999
Average	2.007	2.001	2.009	2.007
Max	2.013	2.007	2.015	2.018
UL	2.105	2.105	2.105	2.105

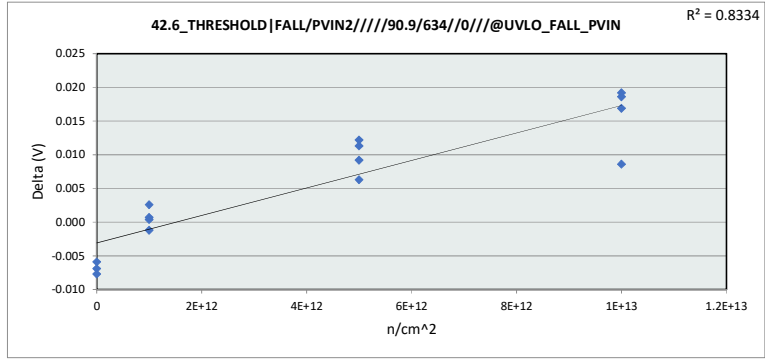


NDD Report
TPS7H4104-SP

42.6_THRESHOLD|FALL/PVIN2|///90.9/634|

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.11	2.105
Min Limit	1.96	1.965

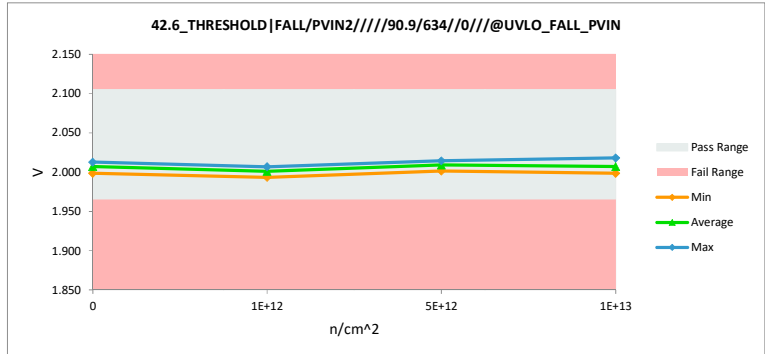
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.020	2.013	-0.007
0	2	2.006	1.999	-0.008
0	3	2.016	2.010	-0.006
1E+12	10	1.993	1.993	0.000
1E+12	11	2.001	2.003	0.003
1E+12	12	2.006	2.007	0.001
1E+12	13	2.002	2.001	-0.001
5E+12	14	2.001	2.010	0.009
5E+12	15	2.002	2.014	0.012
5E+12	16	1.995	2.001	0.006
5E+12	17	1.998	2.010	0.011
1E+13	18	1.999	2.018	0.019
1E+13	19	1.987	2.006	0.019
1E+13	20	1.990	1.999	0.009
1E+13	21	1.989	2.006	0.017
Max		2.020	2.018	0.019
Average		2.000	2.006	0.006
Min		1.987	1.993	-0.008
Std Dev		0.009	0.007	0.009



42.6_THRESHOLD|FALL/PVIN2|///

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	1.999	1.993	2.002	1.999
Average	2.007	2.001	2.009	2.007
Max	2.013	2.007	2.015	2.018
UL	2.105	2.105	2.105	2.105

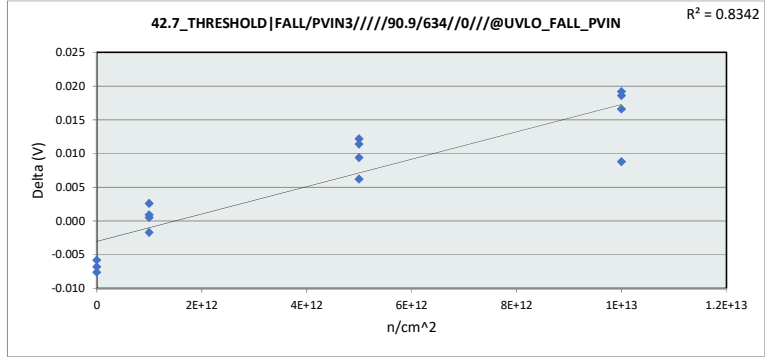


NDD Report
TPS7H4104-SP

42.7_THRESHOLD|FALL/PVIN3|///90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.11	2.105
Min Limit	1.96	1.965

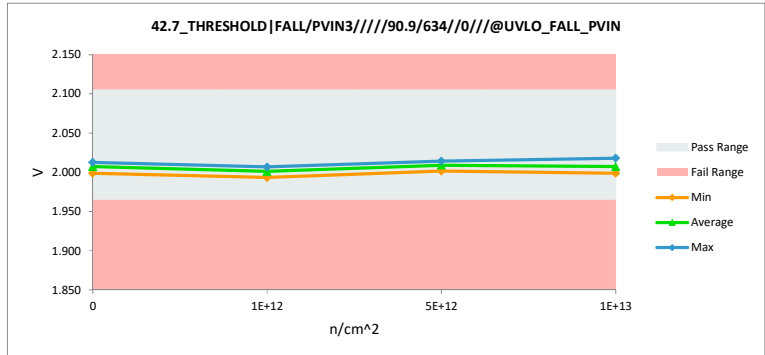
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.020	2.013	-0.007
0	2	2.006	1.999	-0.008
0	3	2.016	2.010	-0.006
1E+12	10	1.993	1.993	0.000
1E+12	11	2.001	2.003	0.003
1E+12	12	2.006	2.007	0.001
1E+12	13	2.002	2.001	-0.002
5E+12	14	2.001	2.010	0.009
5E+12	15	2.002	2.014	0.012
5E+12	16	1.995	2.001	0.006
5E+12	17	1.998	2.010	0.011
1E+13	18	1.999	2.018	0.019
1E+13	19	1.987	2.006	0.019
1E+13	20	1.990	1.999	0.009
1E+13	21	1.990	2.006	0.017
Max		2.020	2.018	0.019
Average		2.000	2.006	0.006
Min		1.987	1.993	-0.008
Std Dev		0.009	0.007	0.009



42.7_THRESHOLD|FALL/PVIN3|///

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	1.999	1.993	2.002	1.999
Average	2.007	2.001	2.009	2.007
Max	2.013	2.007	2.015	2.018
UL	2.105	2.105	2.105	2.105

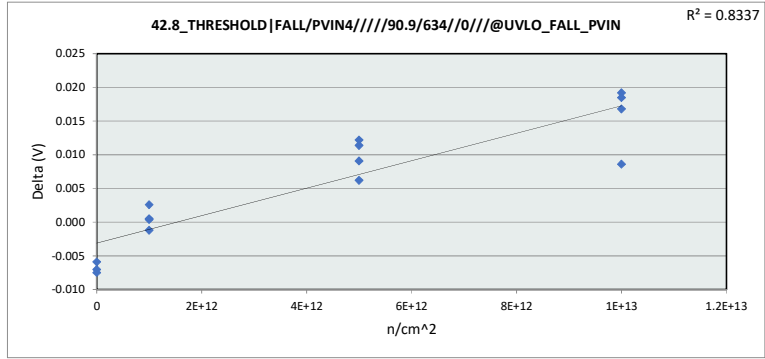


NDD Report
TPS7H4104-SP

42.8_THRESHOLD|FALL/PVIN4|///90.9/634|///

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.11	2.105
Min Limit	1.96	1.965

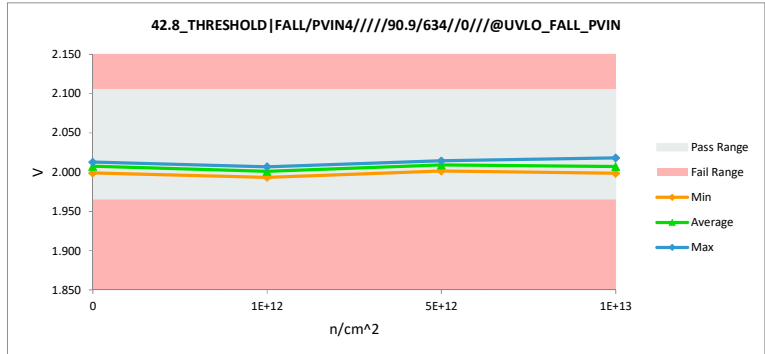
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.020	2.013	-0.007
0	2	2.006	1.999	-0.007
0	3	2.016	2.010	-0.006
1E+12	10	1.993	1.993	0.000
1E+12	11	2.001	2.003	0.003
1E+12	12	2.006	2.007	0.000
1E+12	13	2.002	2.001	-0.001
5E+12	14	2.001	2.010	0.009
5E+12	15	2.002	2.014	0.012
5E+12	16	1.995	2.001	0.006
5E+12	17	1.998	2.010	0.011
1E+13	18	1.999	2.018	0.019
1E+13	19	1.987	2.006	0.019
1E+13	20	1.990	1.999	0.009
1E+13	21	1.989	2.006	0.017
Max		2.020	2.018	0.019
Average		2.000	2.006	0.006
Min		1.987	1.993	-0.007
Std Dev		0.009	0.007	0.009



42.8_THRESHOLD|FALL/PVIN4|///

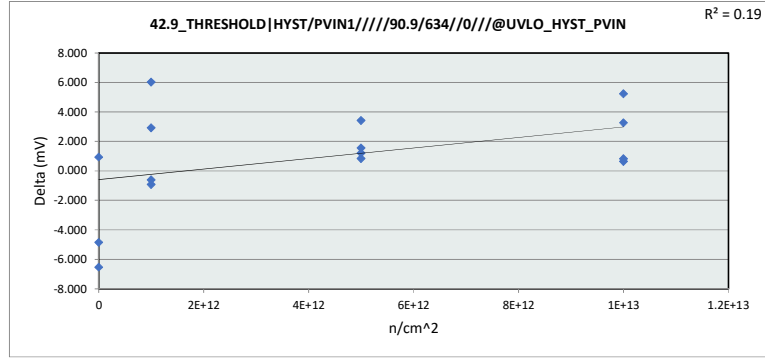
Test Site		
Tester		
Test Number		
Max Limit	2.105	V
Min Limit	1.965	V

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.965	1.965	1.965	1.965
Min	1.999	1.993	2.001	1.999
Average	2.007	2.001	2.009	2.007
Max	2.013	2.007	2.015	2.018
UL	2.105	2.105	2.105	2.105

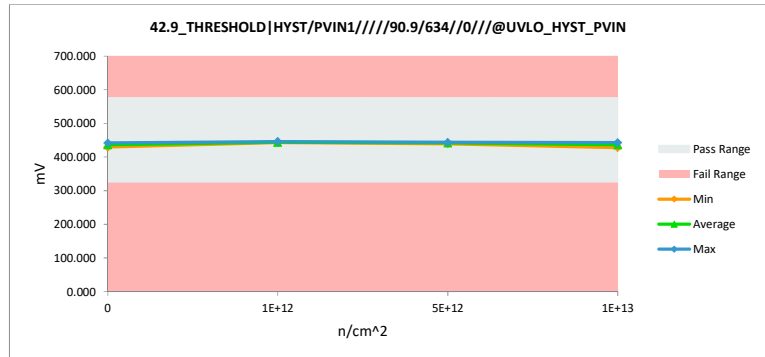


NDD Report TPS7H4104-SP

42.9_THRESHOLD HYST/PVIN1////90.9/634/				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		585	576	
Min Limit		315	324	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	436.397	429.872	-6.525
0	2	443.256	438.404	-4.852
0	3	441.257	442.199	0.942
1E+12	10	440.183	446.216	6.033
1E+12	11	443.568	442.661	-0.907
1E+12	12	446.309	445.707	-0.602
1E+12	13	439.720	442.649	2.928
5E+12	14	442.280	443.843	1.563
5E+12	15	438.490	439.697	1.207
5E+12	16	439.898	443.326	3.428
5E+12	17	438.858	439.701	0.843
1E+13	18	427.147	427.982	0.835
1E+13	19	432.872	433.526	0.653
1E+13	20	436.351	441.583	5.232
1E+13	21	439.870	443.140	3.270
Max		446.309	446.216	6.033
Average		439.097	440.034	0.937
Min		427.147	427.982	-6.525
Std Dev		4.658	5.477	3.333

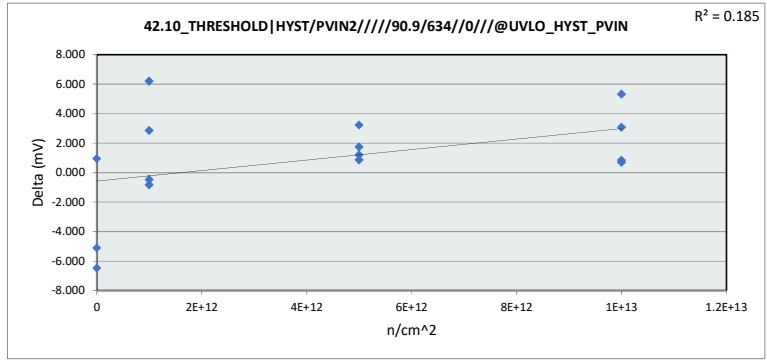


42.9_THRESHOLD HYST/PVIN1////				
Test Site				
Tester				
Test Number				
Max Limit		576	mV	
Min Limit		324	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	324.000	324.000	324.000	324.000
Min	429.872	442.649	439.697	427.982
Average	436.825	444.308	441.642	436.558
Max	442.199	446.216	443.843	443.140
UL	576.000	576.000	576.000	576.000

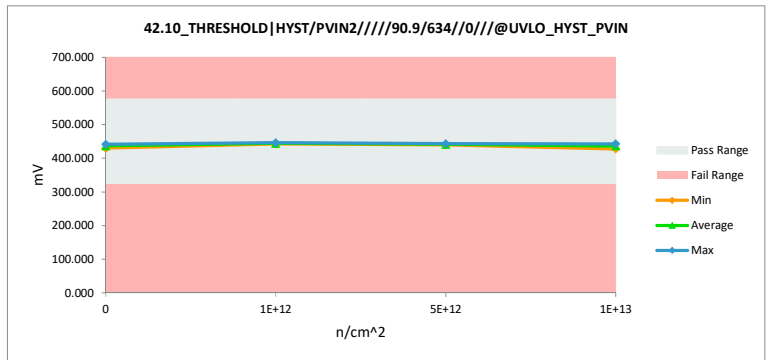


NDD Report
TPS7H4104-SP

42.10_THRESHOLD HYST/PVIN2/////90.9/634				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		585	576	
Min Limit		315	324	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	436.327	429.854	-6.473
0	2	443.266	438.158	-5.107
0	3	441.243	442.196	0.954
1E+12	10	440.093	446.305	6.212
1E+12	11	443.532	442.708	-0.824
1E+12	12	446.222	445.747	-0.475
1E+12	13	439.949	442.816	2.868
5E+12	14	442.113	443.850	1.737
5E+12	15	438.456	439.665	1.209
5E+12	16	440.079	443.306	3.227
5E+12	17	438.768	439.632	0.864
1E+13	18	427.130	427.974	0.844
1E+13	19	432.867	433.572	0.705
1E+13	20	436.191	441.511	5.320
1E+13	21	440.020	443.105	3.084
Max		446.222	446.305	6.212
Average		439.084	440.027	0.943
Min		427.130	427.974	-6.473
Std Dev		4.658	5.497	3.359

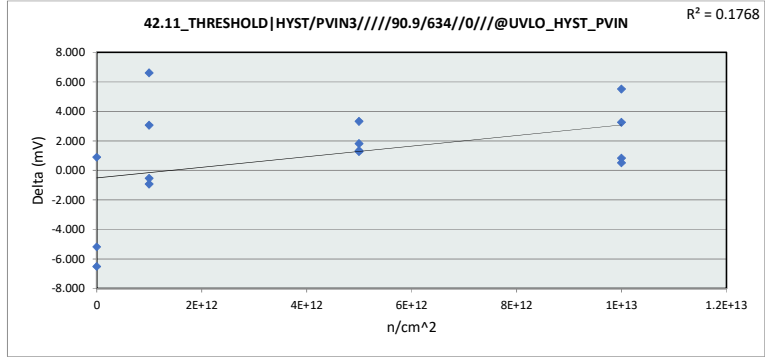


42.10_THRESHOLD HYST/PVIN2//				
Test Site				
Tester				
Test Number				
Max Limit		576	mV	
Min Limit		324	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	324.000	324.000	324.000	324.000
Min	429.854	442.708	439.632	427.974
Average	436.736	444.394	441.613	436.540
Max	442.196	446.305	443.850	443.105
UL	576.000	576.000	576.000	576.000

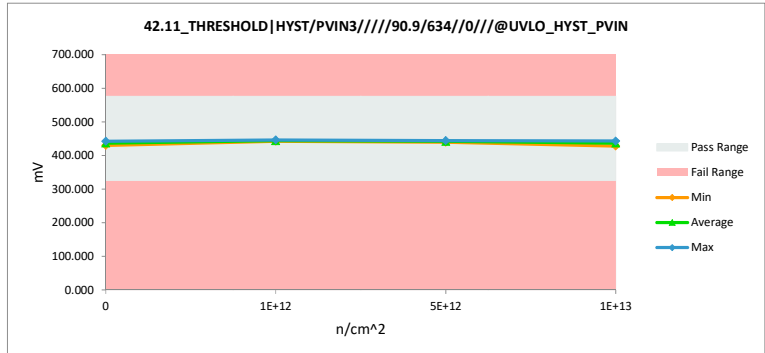


NDD Report
TPS7H4104-SP

42.11_THRESHOLD HYST/PVIN3/////90.9/634				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		585	576	
Min Limit		315	324	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	436.370	429.852	-6.518
0	2	443.353	438.172	-5.181
0	3	441.238	442.134	0.896
1E+12	10	439.703	446.316	6.613
1E+12	11	443.638	442.713	-0.925
1E+12	12	446.263	445.731	-0.532
1E+12	13	439.688	442.756	3.068
5E+12	14	442.526	443.870	1.344
5E+12	15	437.849	439.673	1.824
5E+12	16	439.981	443.308	3.327
5E+12	17	438.338	439.613	1.275
1E+13	18	427.147	427.978	0.832
1E+13	19	432.873	433.389	0.515
1E+13	20	435.992	441.508	5.516
1E+13	21	439.820	443.081	3.262
Max		446.263	446.316	6.613
Average		438.985	440.006	1.021
Min		427.147	427.978	-6.518
Std Dev		4.698	5.508	3.471

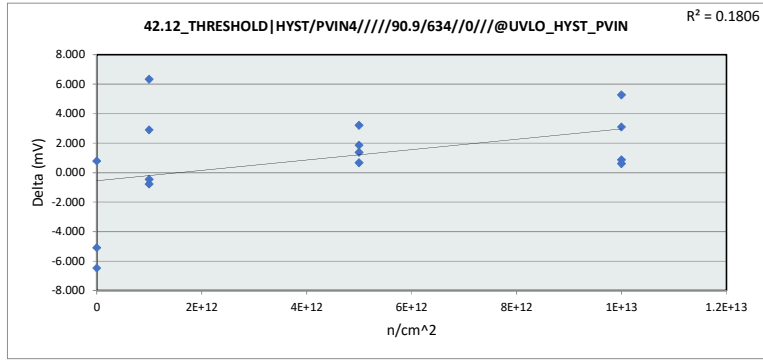


42.11_THRESHOLD HYST/PVIN3//				
Test Site				
Tester				
Test Number				
Max Limit		576	mV	
Min Limit		324	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	324.000	324.000	324.000	324.000
Min	429.852	442.713	439.613	427.978
Average	436.719	444.379	441.616	436.489
Max	442.134	446.316	443.870	443.081
UL	576.000	576.000	576.000	576.000

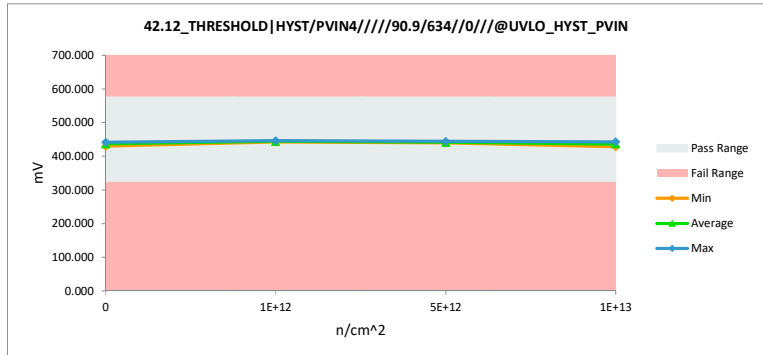


NDD Report
TPS7H4104-SP

42.12_THRESHOLD HYST/PVIN4/////90.9/634				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		585	576	
Min Limit		315	324	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	436.306	429.832	-6.475
0	2	443.234	438.142	-5.092
0	3	441.232	442.028	0.795
1E+12	10	440.021	446.357	6.336
1E+12	11	443.562	442.796	-0.767
1E+12	12	446.259	445.797	-0.462
1E+12	13	439.918	442.815	2.897
5E+12	14	442.161	444.023	1.863
5E+12	15	438.318	439.689	1.371
5E+12	16	440.120	443.330	3.210
5E+12	17	438.843	439.517	0.674
1E+13	18	427.127	427.997	0.870
1E+13	19	432.866	433.476	0.610
1E+13	20	436.248	441.512	5.264
1E+13	21	439.979	443.069	3.090
Max		446.259	446.357	6.336
Average		439.080	440.025	0.946
Min		427.127	427.997	-6.475
Std Dev		4.662	5.520	3.369

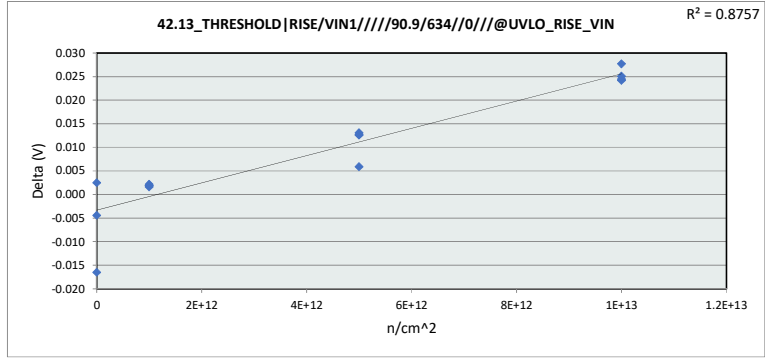


42.12_THRESHOLD HYST/PVIN4/////90.9/634/0///@UVLO_HYST_PVIN				
Test Site				
Tester				
Test Number				
Max Limit		576	mV	
Min Limit		324	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	324.000	324.000	324.000	324.000
Min	429.832	442.796	439.517	427.997
Average	436.667	444.441	441.640	436.513
Max	442.028	446.357	444.024	443.069
UL	576.000	576.000	576.000	576.000

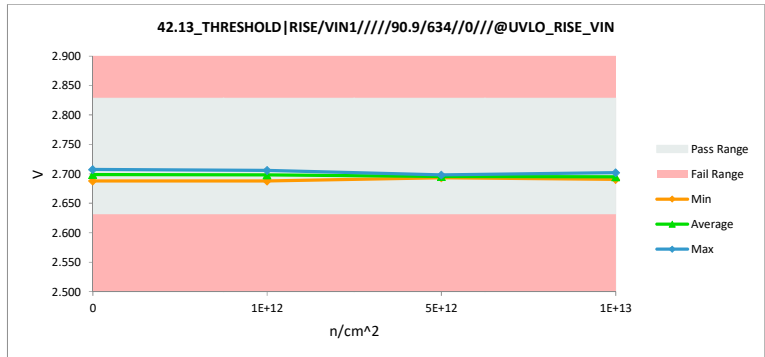


NDD Report
TPS7H4104-SP

42.13_THRESHOLD RISE VIN1/////90.9/634//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.8285		
Min Limit	2.63	2.6315		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.699	2.701	0.003
0	2	2.704	2.688	-0.016
0	3	2.712	2.707	-0.004
1E+12	10	2.686	2.688	0.002
1E+12	11	2.697	2.699	0.002
1E+12	12	2.704	2.706	0.002
1E+12	13	2.699	2.701	0.002
5E+12	14	2.681	2.694	0.013
5E+12	15	2.685	2.698	0.013
5E+12	16	2.688	2.694	0.006
5E+12	17	2.685	2.698	0.013
1E+13	18	2.678	2.702	0.024
1E+13	19	2.670	2.695	0.025
1E+13	20	2.666	2.694	0.028
1E+13	21	2.666	2.691	0.025
Max		2.712	2.707	0.028
Average		2.688	2.697	0.009
Min		2.666	2.688	-0.016
Std Dev		0.014	0.006	0.013

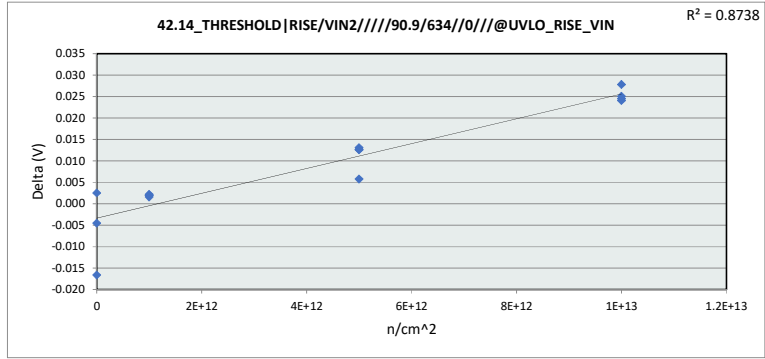


42.13_THRESHOLD RISE VIN1/////				
Test Site				
Tester				
Test Number				
Max Limit	2.8285	V		
Min Limit	2.6315	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.632	2.632	2.632	2.632
Min	2.688	2.688	2.694	2.691
Average	2.699	2.698	2.696	2.695
Max	2.707	2.706	2.698	2.702
UL	2.829	2.829	2.829	2.829

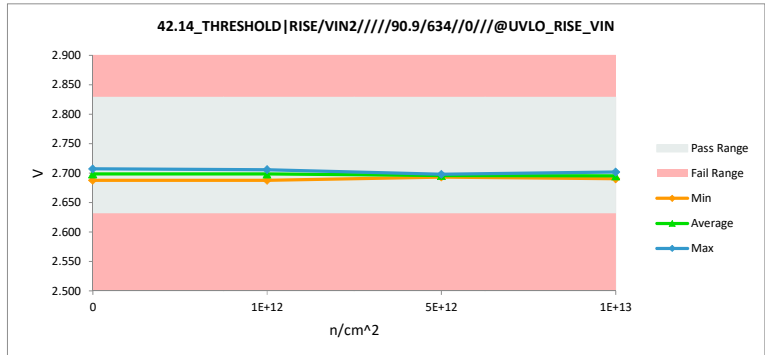


NDD Report
TPS7H4104-SP

42.14_THRESHOLD RISE VIN2 /// 90.9/634 /				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.699	2.701	0.003
0	2	2.704	2.688	-0.017
0	3	2.712	2.707	-0.004
1E+12	10	2.686	2.688	0.002
1E+12	11	2.697	2.699	0.002
1E+12	12	2.704	2.706	0.002
1E+12	13	2.699	2.701	0.002
5E+12	14	2.681	2.694	0.013
5E+12	15	2.685	2.698	0.013
5E+12	16	2.688	2.693	0.006
5E+12	17	2.685	2.698	0.013
1E+13	18	2.678	2.702	0.024
1E+13	19	2.670	2.695	0.025
1E+13	20	2.666	2.694	0.028
1E+13	21	2.666	2.691	0.025
Max		2.712	2.707	0.028
Average		2.688	2.697	0.009
Min		2.666	2.688	-0.017
Std Dev		0.014	0.006	0.013

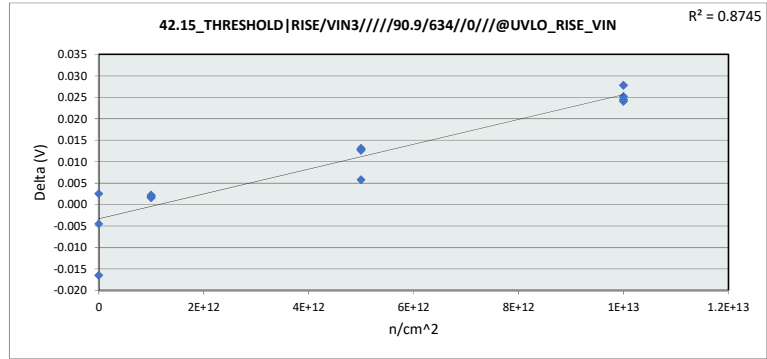


42.14_THRESHOLD RISE VIN2 ///				
Test Site				
Tester				
Test Number				
Max Limit	2.8285	V		
Min Limit	2.6315	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.632	2.632	2.632	2.632
Min	2.688	2.688	2.693	2.691
Average	2.699	2.698	2.696	2.695
Max	2.707	2.706	2.698	2.702
UL	2.829	2.829	2.829	2.829

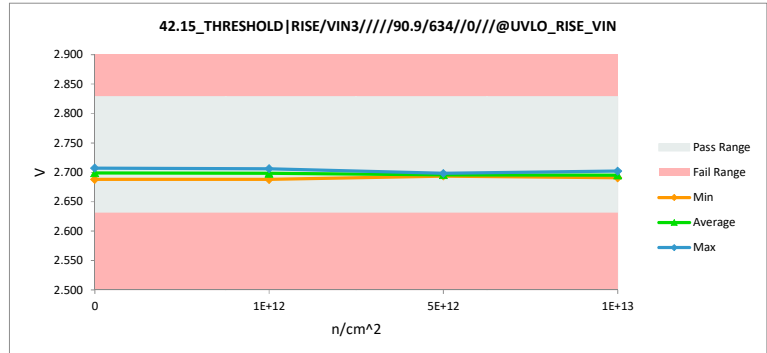


NDD Report TPS7H4104-SP

42.15_THRESHOLD RISE/VIN3/////90.9/634//				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.699	2.701	0.003
0	2	2.704	2.688	-0.016
0	3	2.712	2.707	-0.004
1E+12	10	2.686	2.688	0.002
1E+12	11	2.697	2.699	0.002
1E+12	12	2.704	2.706	0.002
1E+12	13	2.699	2.701	0.002
5E+12	14	2.681	2.694	0.013
5E+12	15	2.685	2.698	0.013
5E+12	16	2.688	2.693	0.006
5E+12	17	2.685	2.698	0.013
1E+13	18	2.678	2.702	0.024
1E+13	19	2.670	2.695	0.025
1E+13	20	2.666	2.694	0.028
1E+13	21	2.666	2.691	0.025
Max		2.712	2.707	0.028
Average		2.688	2.697	0.009
Min		2.666	2.688	-0.016
Std Dev		0.014	0.006	0.013

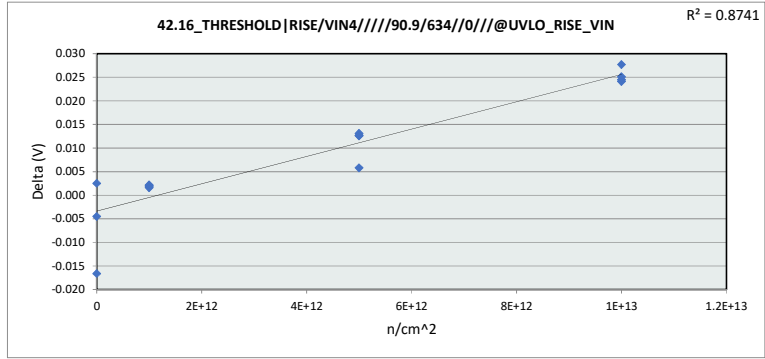


42.15_THRESHOLD RISE/VIN3/////				
Test Site				
Tester				
Test Number				
Max Limit	2.8285	V		
Min Limit	2.6315	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.632	2.632	2.632	2.632
Min	2.688	2.688	2.693	2.691
Average	2.699	2.698	2.696	2.695
Max	2.707	2.706	2.698	2.702
UL	2.829	2.829	2.829	2.829

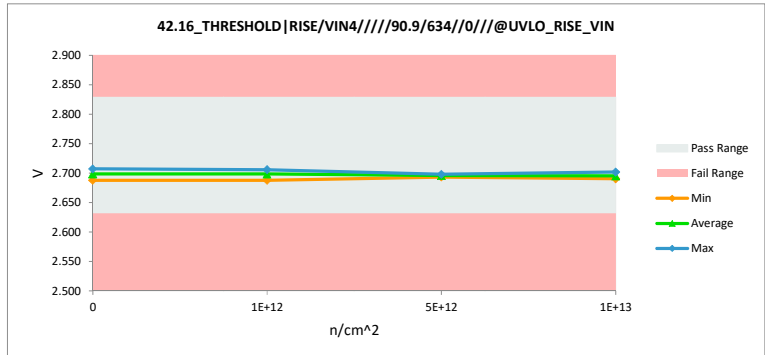


NDD Report
TPS7H4104-SP

42.16_THRESHOLD RISE VIN4 /// 90.9/634 /				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.83	2.8285		
Min Limit	2.63	2.6315		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.699	2.701	0.003
0	2	2.704	2.688	-0.017
0	3	2.712	2.707	-0.004
1E+12	10	2.686	2.688	0.002
1E+12	11	2.697	2.699	0.002
1E+12	12	2.704	2.706	0.002
1E+12	13	2.699	2.701	0.002
5E+12	14	2.681	2.694	0.013
5E+12	15	2.685	2.698	0.013
5E+12	16	2.688	2.693	0.006
5E+12	17	2.685	2.698	0.013
1E+13	18	2.678	2.702	0.024
1E+13	19	2.670	2.695	0.025
1E+13	20	2.666	2.694	0.028
1E+13	21	2.666	2.691	0.025
Max		2.712	2.707	0.028
Average		2.688	2.697	0.009
Min		2.666	2.688	-0.017
Std Dev		0.014	0.006	0.013

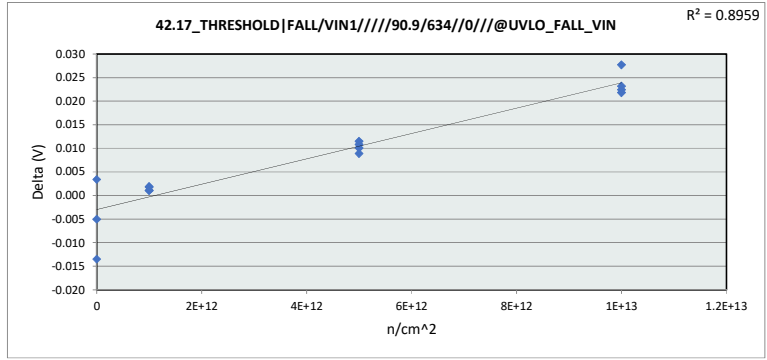


42.16_THRESHOLD RISE VIN4 ///				
Test Site				
Tester				
Test Number				
Max Limit	2.8285	V		
Min Limit	2.6315	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.632	2.632	2.632	2.632
Min	2.688	2.688	2.693	2.691
Average	2.699	2.698	2.696	2.695
Max	2.707	2.706	2.698	2.702
UL	2.829	2.829	2.829	2.829

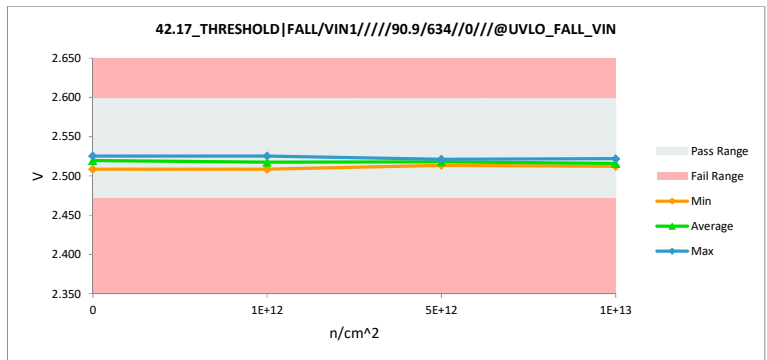


NDD Report
TPS7H4104-SP

42.17_THRESHOLD FALL VIN1 ////90.9/634//				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.598		
Min Limit	2.47	2.472		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.522	2.525	0.003
0	2	2.522	2.509	-0.013
0	3	2.530	2.524	-0.005
1E+12	10	2.507	2.509	0.001
1E+12	11	2.517	2.519	0.001
1E+12	12	2.524	2.525	0.002
1E+12	13	2.516	2.517	0.002
5E+12	14	2.503	2.513	0.010
5E+12	15	2.508	2.518	0.011
5E+12	16	2.510	2.519	0.009
5E+12	17	2.510	2.521	0.012
1E+13	18	2.499	2.522	0.023
1E+13	19	2.490	2.513	0.022
1E+13	20	2.489	2.517	0.028
1E+13	21	2.490	2.512	0.022
Max		2.530	2.525	0.028
Average		2.509	2.518	0.008
Min		2.489	2.509	-0.013
Std Dev		0.013	0.006	0.012



42.17_THRESHOLD FALL VIN1 ////				
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	2.509	2.509	2.513	2.512
Average	2.520	2.517	2.518	2.516
Max	2.525	2.525	2.521	2.522
UL	2.598	2.598	2.598	2.598

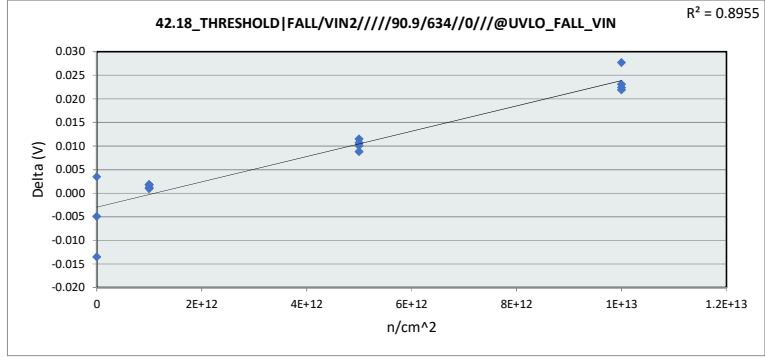


NDD Report
TPS7H4104-SP

42.18_THRESHOLD|FALL|VIN2|///|90.9/634|/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.6	2.598
Min Limit	2.47	2.472

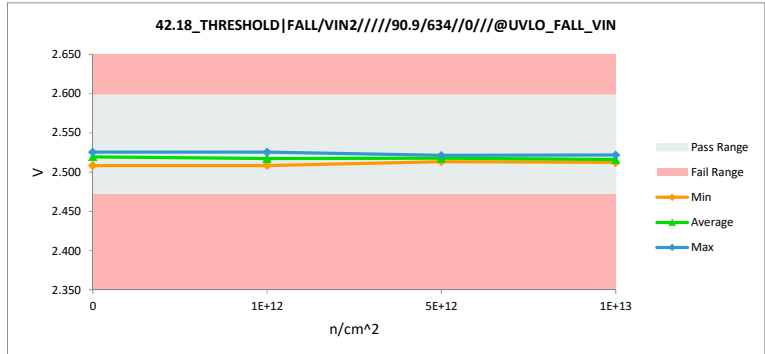
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.522	2.525	0.003
0	2	2.522	2.509	-0.013
0	3	2.529	2.524	-0.005
1E+12	10	2.507	2.509	0.001
1E+12	11	2.517	2.518	0.001
1E+12	12	2.524	2.525	0.002
1E+12	13	2.516	2.517	0.002
5E+12	14	2.503	2.513	0.010
5E+12	15	2.508	2.518	0.011
5E+12	16	2.510	2.518	0.009
5E+12	17	2.510	2.521	0.012
1E+13	18	2.499	2.522	0.023
1E+13	19	2.490	2.513	0.022
1E+13	20	2.489	2.517	0.028
1E+13	21	2.490	2.512	0.022
Max		2.529	2.525	0.028
Average		2.509	2.518	0.008
Min		2.489	2.509	-0.013
Std Dev		0.013	0.006	0.012



42.18_THRESHOLD|FALL|VIN2|///

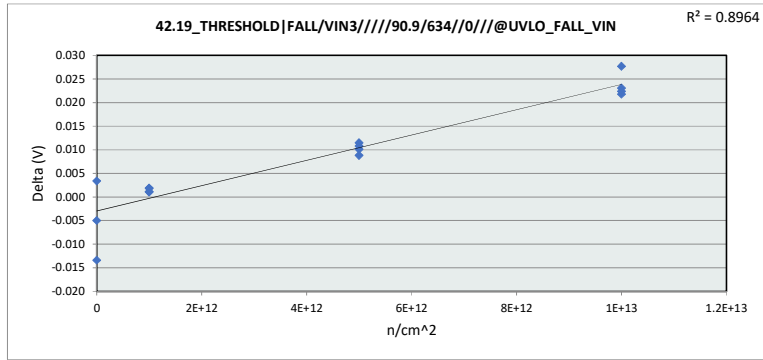
Test Site		
Tester		
Test Number		
Max Limit	2.598	V
Min Limit	2.472	V

n/cm^2	0	1E+12	5E+12	1E+13
LL	2.472	2.472	2.472	2.472
Min	2.509	2.509	2.513	2.512
Average	2.519	2.517	2.518	2.516
Max	2.525	2.525	2.521	2.522
UL	2.598	2.598	2.598	2.598

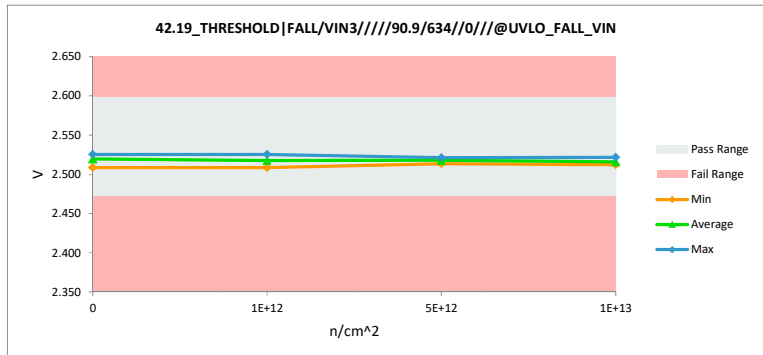


NDD Report
TPS7H4104-SP

42.19_THRESHOLD FALL VIN3 /// 90.9/634 /				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.522	2.525	0.003
0	2	2.522	2.509	-0.013
0	3	2.530	2.524	-0.005
1E+12	10	2.507	2.509	0.001
1E+12	11	2.517	2.519	0.001
1E+12	12	2.524	2.525	0.002
1E+12	13	2.516	2.517	0.002
5E+12	14	2.503	2.513	0.010
5E+12	15	2.508	2.518	0.011
5E+12	16	2.510	2.518	0.009
5E+12	17	2.510	2.521	0.012
1E+13	18	2.499	2.522	0.023
1E+13	19	2.490	2.513	0.022
1E+13	20	2.489	2.517	0.028
1E+13	21	2.490	2.512	0.022
Max		2.530	2.525	0.028
Average		2.509	2.518	0.008
Min		2.489	2.509	-0.013
Std Dev		0.013	0.006	0.012

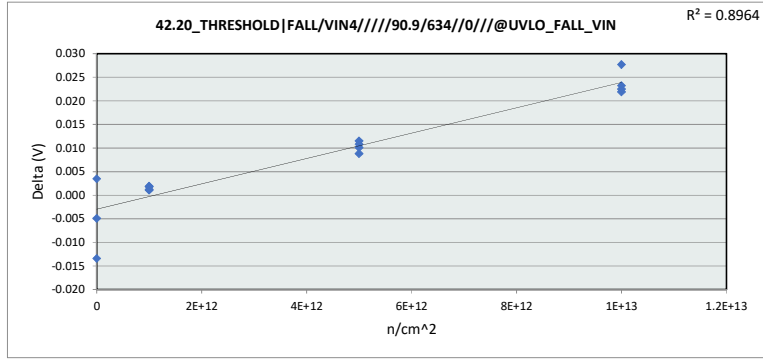


42.19_THRESHOLD FALL VIN3 ///				
Test Site				
Tester				
Test Number				
Max Limit	2.598	V		
Min Limit	2.472	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.472	2.472	2.472	2.472
Min	2.509	2.509	2.513	2.512
Average	2.520	2.517	2.518	2.516
Max	2.525	2.525	2.521	2.522
UL	2.598	2.598	2.598	2.598

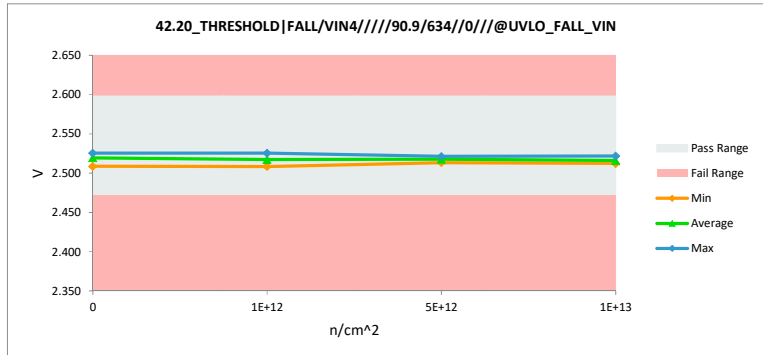


NDD Report
TPS7H4104-SP

42.20_THRESHOLD FALL VIN4 /// 90.9/634 /				
Test Site				
Tester				
Test Number				
Unit	V	V		
Max Limit	2.6	2.598		
Min Limit	2.47	2.472		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.522	2.525	0.003
0	2	2.522	2.509	-0.013
0	3	2.529	2.524	-0.005
1E+12	10	2.507	2.509	0.001
1E+12	11	2.517	2.519	0.001
1E+12	12	2.524	2.525	0.002
1E+12	13	2.516	2.517	0.002
5E+12	14	2.503	2.513	0.010
5E+12	15	2.508	2.518	0.011
5E+12	16	2.510	2.518	0.009
5E+12	17	2.510	2.521	0.012
1E+13	18	2.499	2.522	0.023
1E+13	19	2.490	2.513	0.023
1E+13	20	2.489	2.517	0.028
1E+13	21	2.490	2.512	0.022
Max		2.529	2.525	0.028
Average		2.509	2.518	0.009
Min		2.489	2.509	-0.013
Std Dev		0.013	0.006	0.012

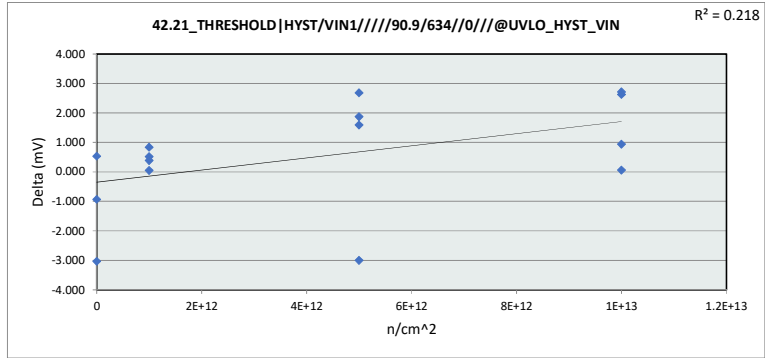


42.20_THRESHOLD FALL VIN4 ///				
Test Site				
Tester				
Test Number				
Max Limit	2.598	V		
Min Limit	2.472	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	2.472	2.472	2.472	2.472
Min	2.509	2.509	2.513	2.512
Average	2.520	2.517	2.518	2.516
Max	2.525	2.525	2.521	2.522
UL	2.598	2.598	2.598	2.598

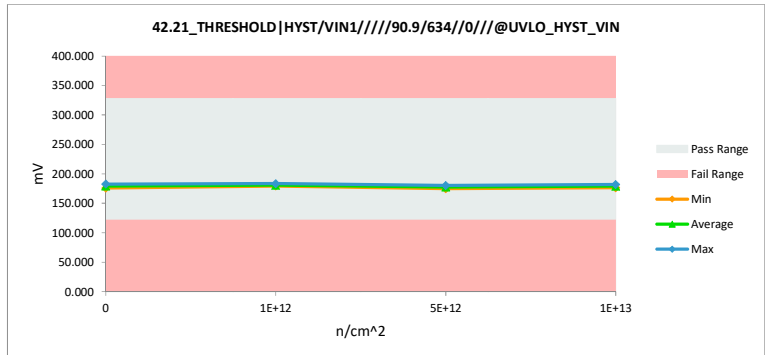


NDD Report TPS7H4104-SP

42.21_THRESHOLD HYST VIN1 /// 90.9/634/				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		330	328	
Min Limit		120	122	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	176.950	176.018	-0.932
0	2	182.430	179.402	-3.029
0	3	182.261	182.796	0.535
1E+12	10	178.585	179.424	0.839
1E+12	11	179.725	180.244	0.519
1E+12	12	180.227	180.620	0.393
1E+12	13	183.367	183.422	0.055
5E+12	14	177.619	180.303	2.684
5E+12	15	177.780	179.658	1.877
5E+12	16	177.999	175.006	-2.993
5E+12	17	175.175	176.771	1.596
1E+13	18	179.250	180.190	0.941
1E+13	19	179.323	182.039	2.715
1E+13	20	176.516	176.578	0.062
1E+13	21	175.575	178.206	2.632
	Max	183.367	183.422	2.715
	Average	178.852	179.378	0.526
	Min	175.175	175.006	-3.029
	Std Dev	2.459	2.470	1.787



42.21_THRESHOLD HYST VIN1 ///				
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	176.018	179.424	175.006	176.578
Average	179.405	180.927	177.935	179.253
Max	182.796	183.422	180.303	182.039
UL	328.000	328.000	328.000	328.000

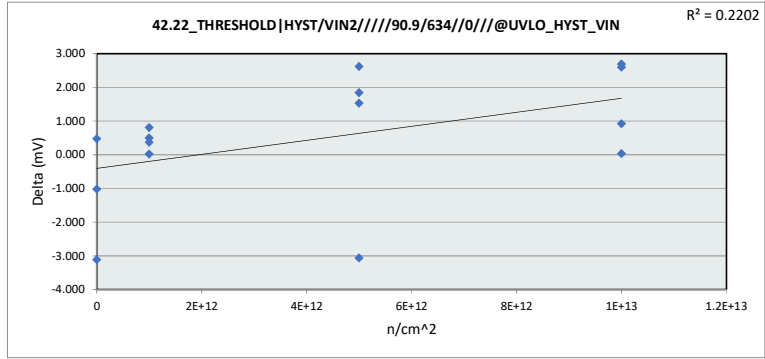


NDD Report
TPS7H4104-SP

42.22_THRESHOLD|HYST/VIN2////90.9/634/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	330	328
Min Limit	120	122

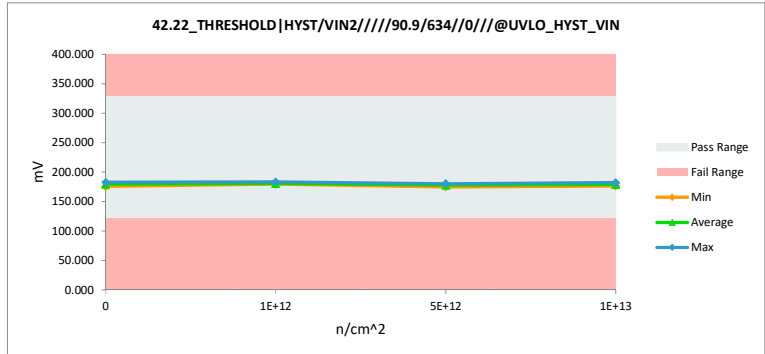
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	177.016	175.997	-1.020
0	2	182.493	179.383	-3.110
0	3	182.290	182.769	0.480
1E+12	10	178.605	179.412	0.808
1E+12	11	179.745	180.245	0.500
1E+12	12	180.243	180.611	0.368
1E+12	13	183.379	183.400	0.021
5E+12	14	177.682	180.301	2.620
5E+12	15	177.800	179.647	1.847
5E+12	16	178.038	174.978	-3.060
5E+12	17	175.225	176.758	1.533
1E+13	18	179.271	180.194	0.923
1E+13	19	179.357	182.053	2.696
1E+13	20	176.543	176.576	0.033
1E+13	21	175.589	178.186	2.597
Max		183.379	183.400	2.696
Average		178.885	179.367	0.482
Min		175.225	174.978	-3.110
Std Dev		2.456	2.473	1.800



42.22_THRESHOLD|HYST/VIN2////

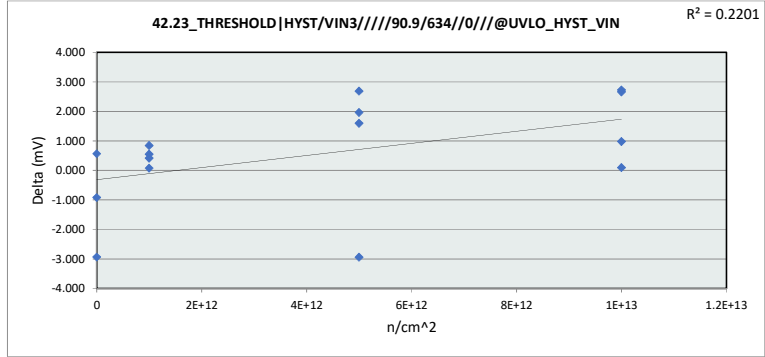
Test Site		
Tester		
Test Number		
Max Limit	328	mV
Min Limit	122	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	122.000	122.000	122.000	122.000
Min	175.997	179.412	174.978	176.576
Average	179.383	180.917	177.921	179.252
Max	182.769	183.400	180.302	182.053
UL	328.000	328.000	328.000	328.000

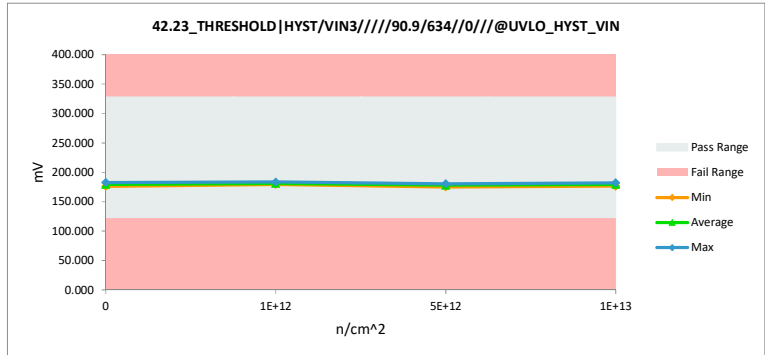


NDD Report
TPS7H4104-SP

42.23_THRESHOLD HYST VIN3 /// 90.9/634				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		330	328	
Min Limit		120	122	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	176.926	176.007	-0.919
0	2	182.320	179.383	-2.937
0	3	182.196	182.764	0.568
1E+12	10	178.562	179.409	0.847
1E+12	11	179.678	180.229	0.551
1E+12	12	180.198	180.615	0.418
1E+12	13	183.327	183.403	0.076
5E+12	14	177.609	180.296	2.687
5E+12	15	177.680	179.645	1.965
5E+12	16	177.937	174.995	-2.942
5E+12	17	175.158	176.758	1.600
1E+13	18	179.206	180.188	0.982
1E+13	19	179.302	182.030	2.728
1E+13	20	176.460	176.555	0.096
1E+13	21	175.518	178.177	2.660
Max		183.327	183.403	2.728
Average		178.805	179.364	0.559
Min		175.158	174.995	-2.942
Std Dev		2.450	2.469	1.775

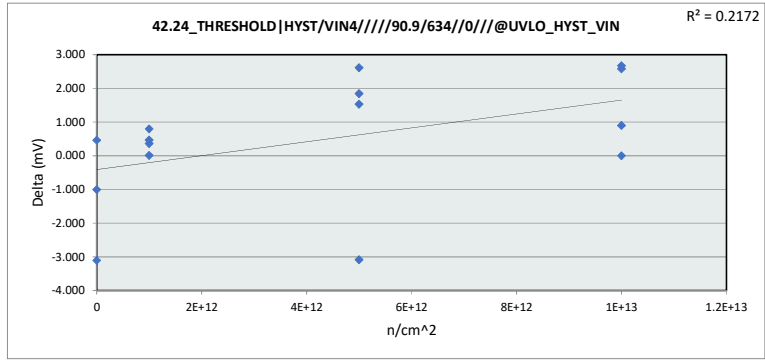


42.23_THRESHOLD HYST VIN3 ///				
Test Site				
Tester				
Test Number				
Max Limit	328	mV		
Min Limit	122	mV		
n/cm^2	0	1E+12	5E+12	1E+13
LL	122.000	122.000	122.000	122.000
Min	176.007	179.409	174.996	176.556
Average	179.385	180.914	177.923	179.238
Max	182.764	183.403	180.296	182.030
UL	328.000	328.000	328.000	328.000

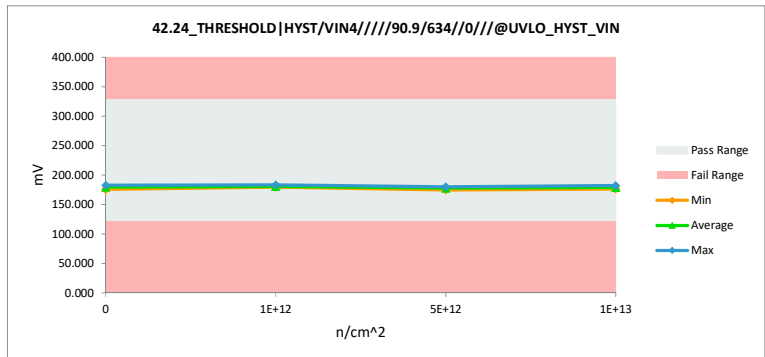


NDD Report
TPS7H4104-SP

42.24_THRESHOLD HYST VIN4 /// 90.9/634				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		330	328	
Min Limit		120	122	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	177.001	175.997	-1.004
0	2	182.489	179.383	-3.105
0	3	182.288	182.747	0.459
1E+12	10	178.603	179.401	0.798
1E+12	11	179.740	180.206	0.466
1E+12	12	180.245	180.607	0.362
1E+12	13	183.378	183.387	0.009
5E+12	14	177.656	180.270	2.614
5E+12	15	177.790	179.633	1.843
5E+12	16	178.028	174.947	-3.081
5E+12	17	175.223	176.755	1.532
1E+13	18	179.272	180.172	0.900
1E+13	19	179.345	182.017	2.672
1E+13	20	176.535	176.533	-0.002
1E+13	21	175.596	178.174	2.578
	Max	183.378	183.387	2.672
	Average	178.879	179.349	0.469
	Min	175.223	174.947	-3.105
	Std Dev	2.457	2.472	1.797



42.24_THRESHOLD HYST VIN4 /// 90.9/634				
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	175.998	179.401	174.947	176.533
Average	179.376	180.900	177.901	179.224
Max	182.747	183.387	180.270	182.017
UL	328.000	328.000	328.000	328.000

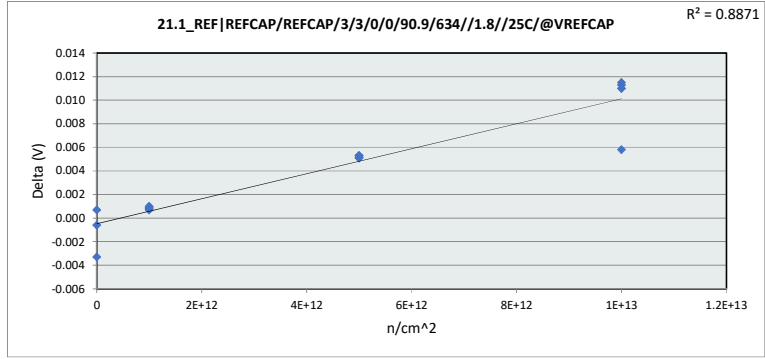


NDD Report TPS7H4104-SP

21.1_REF|REFCAP/REFCAP/3/3/0/0/90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1.248	1.247
Min Limit	1.2	1.201

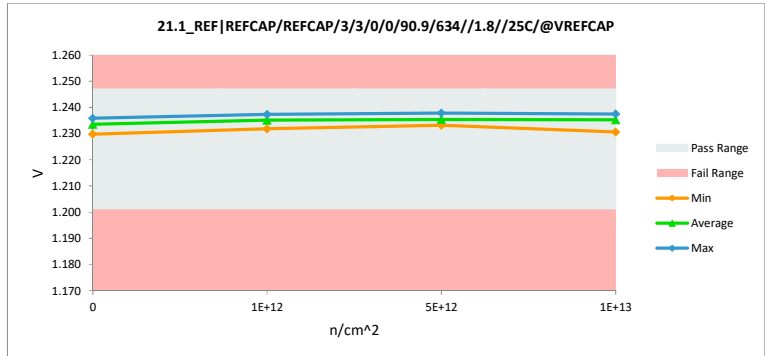
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.235	1.236	0.001
0	2	1.233	1.230	-0.003
0	3	1.235	1.235	-0.001
1E+12	10	1.231	1.232	0.001
1E+12	11	1.234	1.235	0.001
1E+12	12	1.235	1.236	0.001
1E+12	13	1.236	1.237	0.001
5E+12	14	1.233	1.238	0.005
5E+12	15	1.232	1.237	0.005
5E+12	16	1.229	1.234	0.005
5E+12	17	1.228	1.233	0.005
1E+13	18	1.226	1.237	0.011
1E+13	19	1.226	1.237	0.012
1E+13	20	1.225	1.231	0.006
1E+13	21	1.225	1.236	0.011
Max		1.236	1.238	0.012
Average		1.231	1.235	0.004
Min		1.225	1.230	-0.003
Std Dev		0.004	0.003	0.005



21.1_REF|REFCAP/REFCAP/3/3/0/

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	1.230	1.232	1.233	1.231
Average	1.234	1.235	1.235	1.235
Max	1.236	1.237	1.238	1.238
UL	1.247	1.247	1.247	1.247

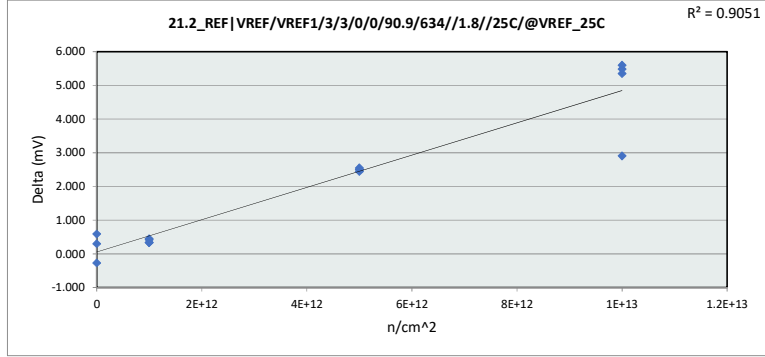


NDD Report
TPS7H4104-SP

21.2_REF|VREF/VREF1/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

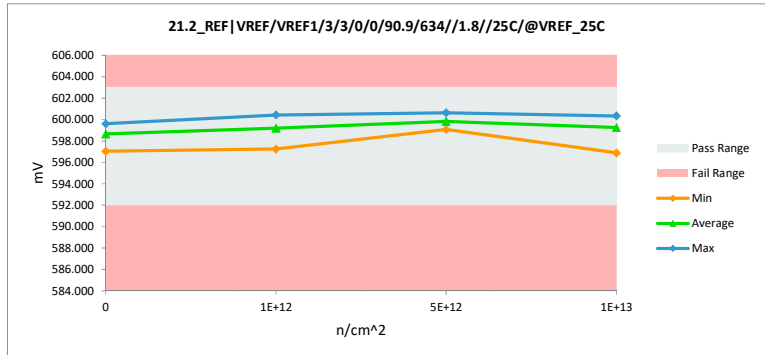
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.604	599.333	-0.272
0	2	596.753	597.054	0.301
0	3	599.029	599.618	0.589
1E+12	10	596.915	597.257	0.342
1E+12	11	599.057	599.475	0.418
1E+12	12	599.265	599.597	0.332
1E+12	13	599.994	600.443	0.449
5E+12	14	597.683	600.233	2.550
5E+12	15	598.143	600.648	2.505
5E+12	16	596.573	599.075	2.502
5E+12	17	596.894	599.341	2.448
1E+13	18	594.772	600.258	5.486
1E+13	19	594.757	600.354	5.597
1E+13	20	593.982	596.890	2.909
1E+13	21	594.114	599.469	5.355
	Max	599.994	600.648	5.597
	Average	597.169	599.270	2.101
	Min	593.982	596.890	-0.272
	Std Dev	2.040	1.235	2.044



21.2_REF|VREF/VREF1/3/3/0/0/9

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	597.054	597.257	599.075	596.890
Average	598.668	599.193	599.824	599.243
Max	599.618	600.443	600.648	600.354
UL	603.000	603.000	603.000	603.000

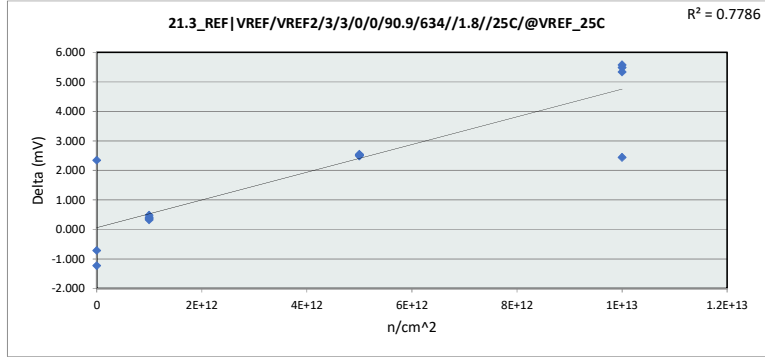


NDD Report
TPS7H4104-SP

21.3_REF|VREF/VREF2/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

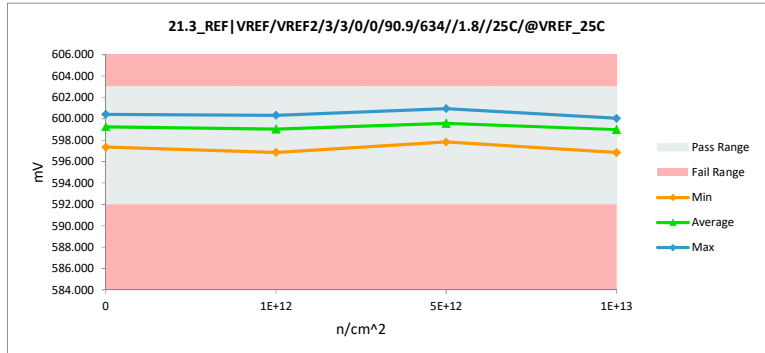
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.074	600.417	2.344
0	2	598.583	597.354	-1.229
0	3	600.703	599.985	-0.718
1E+12	10	596.537	596.860	0.323
1E+12	11	598.906	599.314	0.408
1E+12	12	599.257	599.627	0.370
1E+12	13	599.845	600.324	0.480
5E+12	14	598.442	600.964	2.522
5E+12	15	597.306	599.849	2.544
5E+12	16	595.341	597.838	2.496
5E+12	17	597.152	599.666	2.514
1E+13	18	593.717	599.203	5.485
1E+13	19	594.464	600.045	5.581
1E+13	20	594.406	596.849	2.443
1E+13	21	594.536	599.872	5.336
	Max	600.703	600.964	5.581
	Average	597.151	599.211	2.060
	Min	593.717	596.849	-1.229
	Std Dev	2.220	1.329	2.164



21.3_REF|VREF/VREF2/3/3/0/0/90.9/634//1.8

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	597.354	596.860	597.838	596.849
Average	599.252	599.031	599.579	598.992
Max	600.417	600.324	600.964	600.045
UL	603.000	603.000	603.000	603.000

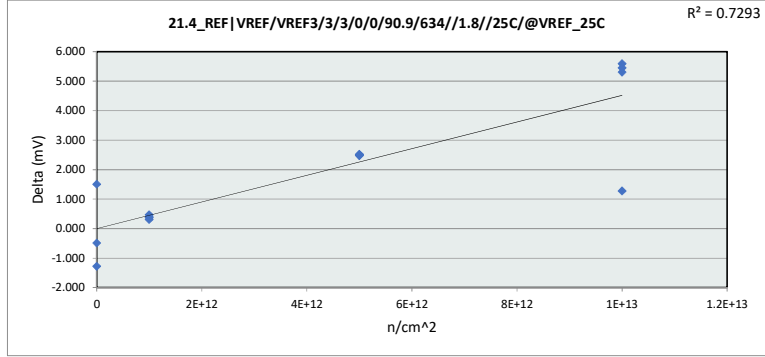


NDD Report TPS7H4104-SP

21.4_REF|VREF/VREF3/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

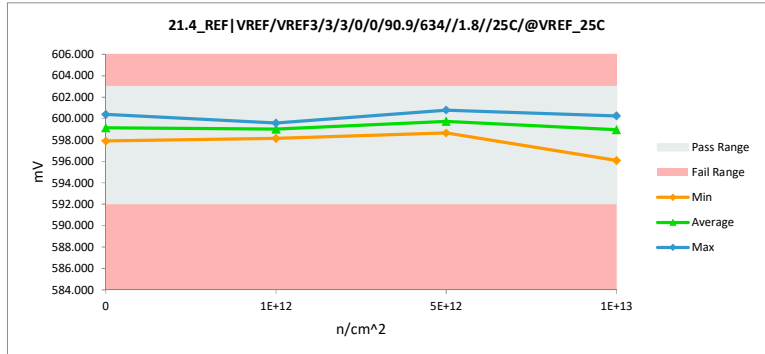
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.901	600.407	1.506
0	2	598.396	597.909	-0.486
0	3	600.374	599.096	-1.278
1E+12	10	597.840	598.152	0.312
1E+12	11	598.571	598.966	0.395
1E+12	12	599.228	599.600	0.372
1E+12	13	598.853	599.322	0.469
5E+12	14	598.298	600.788	2.491
5E+12	15	597.209	599.682	2.472
5E+12	16	596.145	598.651	2.506
5E+12	17	597.328	599.844	2.517
1E+13	18	594.541	599.989	5.448
1E+13	19	593.962	599.557	5.596
1E+13	20	594.808	596.086	1.279
1E+13	21	594.947	600.251	5.305
	Max	600.374	600.788	5.596
	Average	597.293	599.220	1.927
	Min	593.962	596.086	-1.278
	Std Dev	1.966	1.179	2.151



21.4_REF|VREF/VREF3/3/3/0/0/90.9/634//1.8

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	597.910	598.152	598.651	596.087
Average	599.137	599.010	599.741	598.971
Max	600.407	599.600	600.788	600.251
UL	603.000	603.000	603.000	603.000

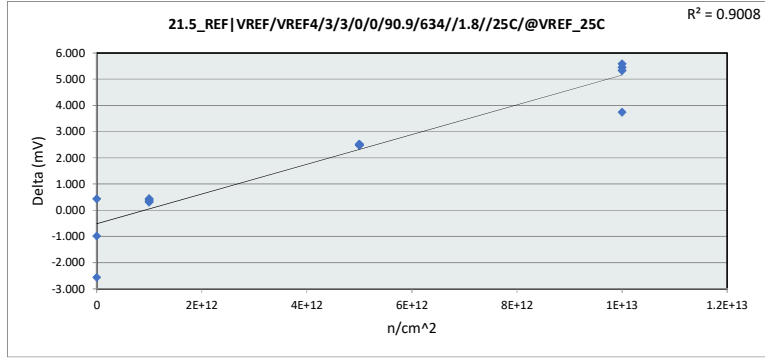


NDD Report
TPS7H4104-SP

21.5_REF|VREF/VREF4/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

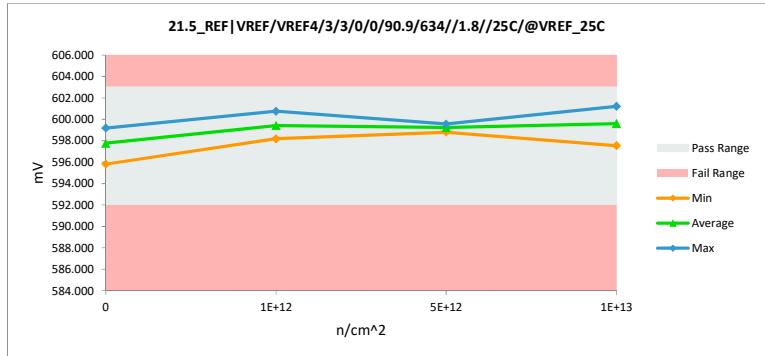
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.755	599.191	0.436
0	2	598.380	595.820	-2.560
0	3	599.279	598.297	-0.982
1E+12	10	597.880	598.192	0.312
1E+12	11	598.468	598.867	0.399
1E+12	12	599.475	599.828	0.353
1E+12	13	600.310	600.753	0.443
5E+12	14	597.007	599.519	2.512
5E+12	15	597.055	599.572	2.516
5E+12	16	596.289	598.796	2.507
5E+12	17	596.615	599.098	2.483
1E+13	18	595.761	601.221	5.459
1E+13	19	594.804	600.391	5.588
1E+13	20	593.809	597.549	3.739
1E+13	21	593.945	599.274	5.328
	Max	600.310	601.221	5.588
	Average	597.189	599.091	1.902
	Min	593.809	595.820	-2.560
	Std Dev	2.003	1.327	2.427



21.5_REF|VREF/VREF4/3/3/0/0/90.9/634//1.8

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	595.820	598.192	598.796	597.549
Average	597.769	599.410	599.246	599.609
Max	599.191	600.753	599.572	601.221
UL	603.000	603.000	603.000	603.000

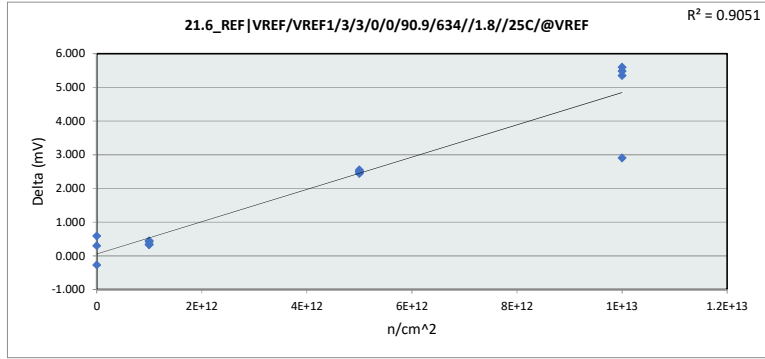


NDD Report
TPS7H4104-SP

21.6_REF|VREF/VREF1/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

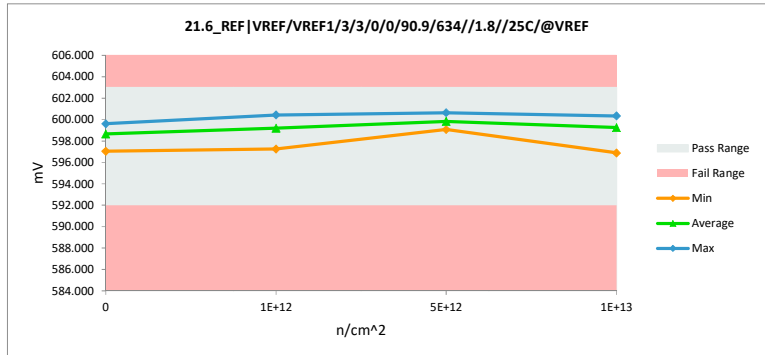
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.604	599.333	-0.272
0	2	596.753	597.054	0.301
0	3	599.029	599.618	0.589
1E+12	10	596.915	597.257	0.342
1E+12	11	599.057	599.475	0.418
1E+12	12	599.265	599.597	0.332
1E+12	13	599.994	600.443	0.449
5E+12	14	597.683	600.233	2.550
5E+12	15	598.143	600.648	2.505
5E+12	16	596.573	599.075	2.502
5E+12	17	596.894	599.341	2.448
1E+13	18	594.772	600.258	5.486
1E+13	19	594.757	600.354	5.597
1E+13	20	593.982	596.890	2.909
1E+13	21	594.114	599.469	5.355
	Max	599.994	600.648	5.597
	Average	597.169	599.270	2.101
	Min	593.982	596.890	-0.272
	Std Dev	2.040	1.235	2.044



21.6_REF|VREF/VREF1/3/3/0/0/9

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	597.054	597.257	599.075	596.890
Average	598.668	599.193	599.824	599.243
Max	599.618	600.443	600.648	600.354
UL	603.000	603.000	603.000	603.000

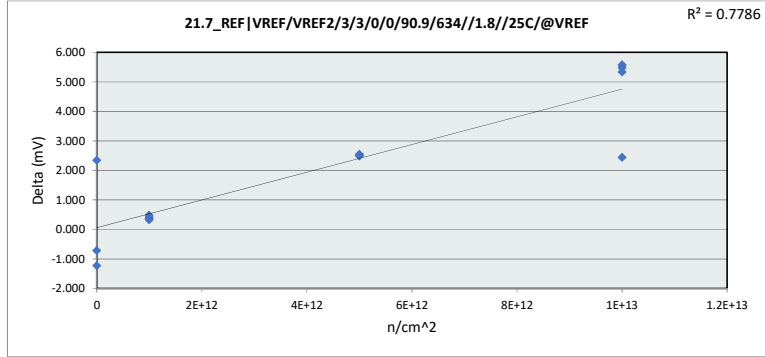


NDD Report TPS7H4104-SP

21.7_REF|VREF/VREF2/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

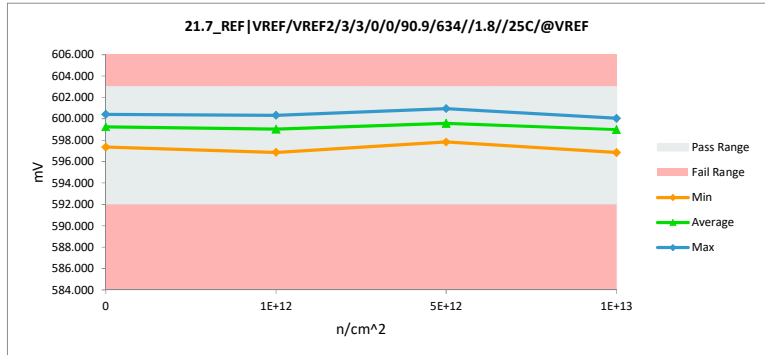
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.074	600.417	2.344
0	2	598.583	597.354	-1.229
0	3	600.703	599.985	-0.718
1E+12	10	596.537	596.860	0.323
1E+12	11	598.906	599.314	0.408
1E+12	12	599.257	599.627	0.370
1E+12	13	599.845	600.324	0.480
5E+12	14	598.442	600.964	2.522
5E+12	15	597.306	599.849	2.544
5E+12	16	595.341	597.838	2.496
5E+12	17	597.152	599.666	2.514
1E+13	18	593.717	599.203	5.485
1E+13	19	594.464	600.045	5.581
1E+13	20	594.406	596.849	2.443
1E+13	21	594.536	599.872	5.336
	Max	600.703	600.964	5.581
	Average	597.151	599.211	2.060
	Min	593.717	596.849	-1.229
	Std Dev	2.220	1.329	2.164



21.7_REF|VREF/VREF2/3/3/0/0/9

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	597.354	596.860	597.838	596.849
Average	599.252	599.031	599.579	598.992
Max	600.417	600.324	600.964	600.045
UL	603.000	603.000	603.000	603.000

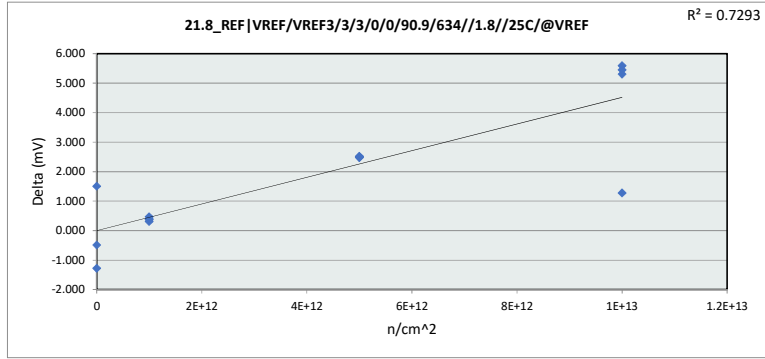


NDD Report
TPS7H4104-SP

21.8_REF|VREF/VREF3/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

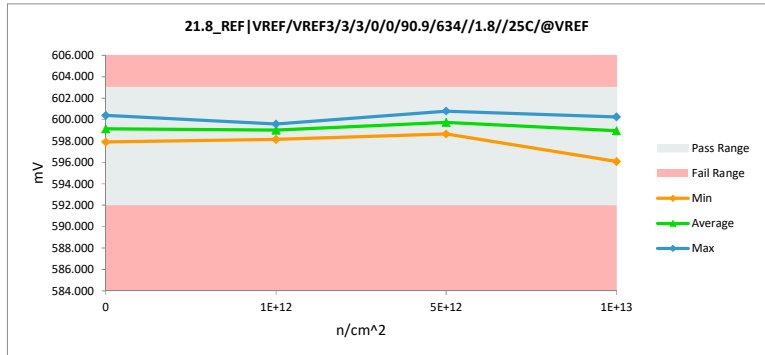
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.901	600.407	1.506
0	2	598.396	597.909	-0.486
0	3	600.374	599.096	-1.278
1E+12	10	597.840	598.152	0.312
1E+12	11	598.571	598.966	0.395
1E+12	12	599.228	599.600	0.372
1E+12	13	598.853	599.322	0.469
5E+12	14	598.298	600.788	2.491
5E+12	15	597.209	599.682	2.472
5E+12	16	596.145	598.651	2.506
5E+12	17	597.328	599.844	2.517
1E+13	18	594.541	599.989	5.448
1E+13	19	593.962	599.557	5.596
1E+13	20	594.808	596.086	1.279
1E+13	21	594.947	600.251	5.305
	Max	600.374	600.788	5.596
	Average	597.293	599.220	1.927
	Min	593.962	596.086	-1.278
	Std Dev	1.966	1.179	2.151



21.8_REF|VREF/VREF3/3/3/0/0/9

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	597.910	598.152	598.651	596.087
Average	599.137	599.010	599.741	598.971
Max	600.407	599.600	600.788	600.251
UL	603.000	603.000	603.000	603.000

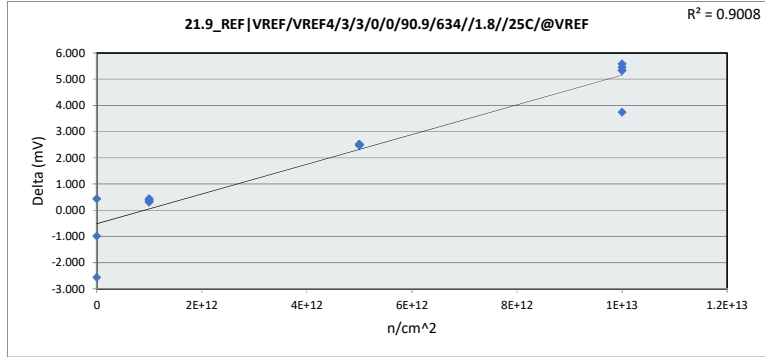


NDD Report
TPS7H4104-SP

21.9_REF|VREF/VREF4/3/3/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

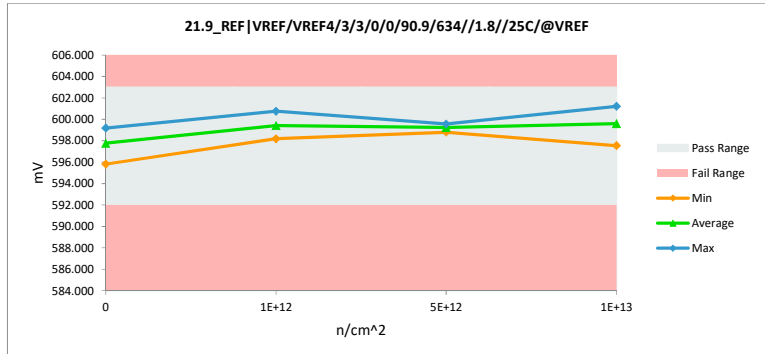
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.755	599.191	0.436
0	2	598.380	595.820	-2.560
0	3	599.279	598.297	-0.982
1E+12	10	597.880	598.192	0.312
1E+12	11	598.468	598.867	0.399
1E+12	12	599.475	599.828	0.353
1E+12	13	600.310	600.753	0.443
5E+12	14	597.007	599.519	2.512
5E+12	15	597.055	599.572	2.516
5E+12	16	596.289	598.796	2.507
5E+12	17	596.615	599.098	2.483
1E+13	18	595.761	601.221	5.459
1E+13	19	594.804	600.391	5.588
1E+13	20	593.809	597.549	3.739
1E+13	21	593.945	599.274	5.328
	Max	600.310	601.221	5.588
	Average	597.189	599.091	1.902
	Min	593.809	595.820	-2.560
	Std Dev	2.003	1.327	2.427



21.9_REF|VREF/VREF4/3/3/0/0/90.9/634//1.8

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	595.820	598.192	598.796	597.549
Average	597.769	599.410	599.246	599.609
Max	599.191	600.753	599.572	601.221
UL	603.000	603.000	603.000	603.000

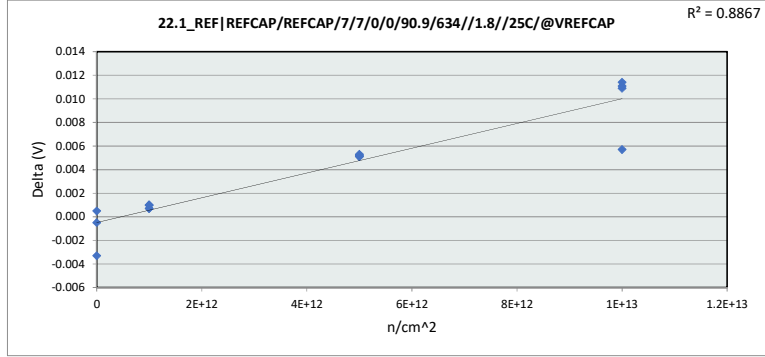


NDD Report
TPS7H4104-SP

22.1_REF|REFCAP/REFCAP/7/7/0/0/90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1.248	1.247
Min Limit	1.2	1.201

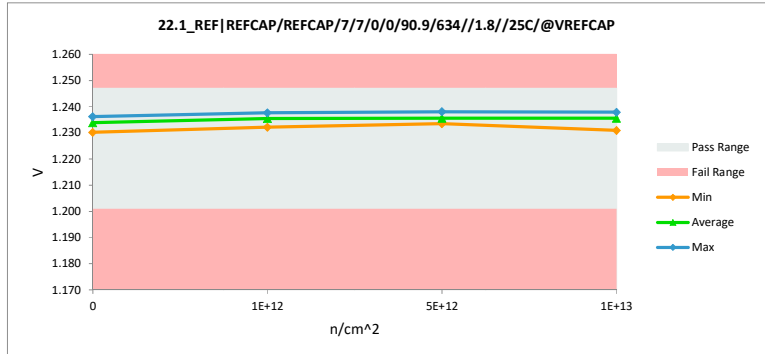
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.236	1.236	0.000
0	2	1.234	1.230	-0.003
0	3	1.236	1.235	0.000
1E+12	10	1.232	1.232	0.001
1E+12	11	1.235	1.235	0.001
1E+12	12	1.236	1.237	0.001
1E+12	13	1.237	1.238	0.001
5E+12	14	1.233	1.238	0.005
5E+12	15	1.232	1.237	0.005
5E+12	16	1.229	1.234	0.005
5E+12	17	1.228	1.234	0.005
1E+13	18	1.226	1.237	0.011
1E+13	19	1.227	1.238	0.011
1E+13	20	1.225	1.231	0.006
1E+13	21	1.225	1.236	0.011
	Max	1.237	1.238	0.011
	Average	1.231	1.235	0.004
	Min	1.225	1.230	-0.003
	Std Dev	0.004	0.003	0.005



22.1_REF|REFCAP/REFCAP/7/7/0/

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	1.230	1.232	1.234	1.231
Average	1.234	1.235	1.236	1.236
Max	1.236	1.238	1.238	1.238
UL	1.247	1.247	1.247	1.247

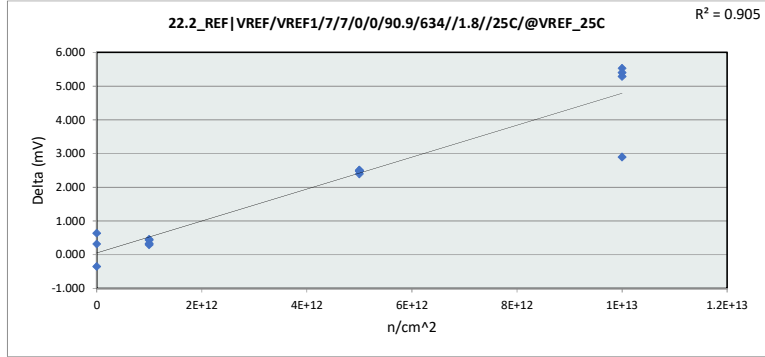


NDD Report
TPS7H4104-SP

22.2_REF|VREF/VREF1/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

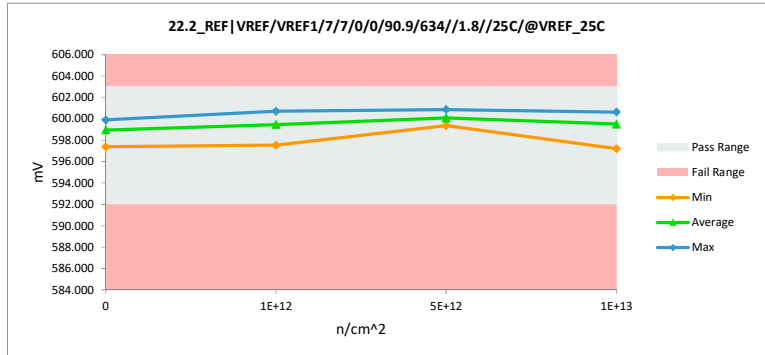
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.952	599.603	-0.348
0	2	597.061	597.375	0.314
0	3	599.258	599.893	0.636
1E+12	10	597.204	597.535	0.331
1E+12	11	599.327	599.757	0.431
1E+12	12	599.558	599.851	0.293
1E+12	13	600.250	600.705	0.454
5E+12	14	597.948	600.457	2.509
5E+12	15	598.375	600.871	2.496
5E+12	16	596.886	599.362	2.477
5E+12	17	597.212	599.610	2.398
1E+13	18	595.078	600.480	5.402
1E+13	19	595.104	600.634	5.530
1E+13	20	594.299	597.199	2.900
1E+13	21	594.413	599.706	5.293
	Max	600.250	600.871	5.530
	Average	597.462	599.536	2.074
	Min	594.299	597.199	-0.348
	Std Dev	2.023	1.212	2.022



22.2_REF|VREF/VREF1/7/7/0/0/90.9/634//1.8

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	597.375	597.535	599.362	597.199
Average	598.957	599.462	600.075	599.505
Max	599.893	600.705	600.871	600.634
UL	603.000	603.000	603.000	603.000

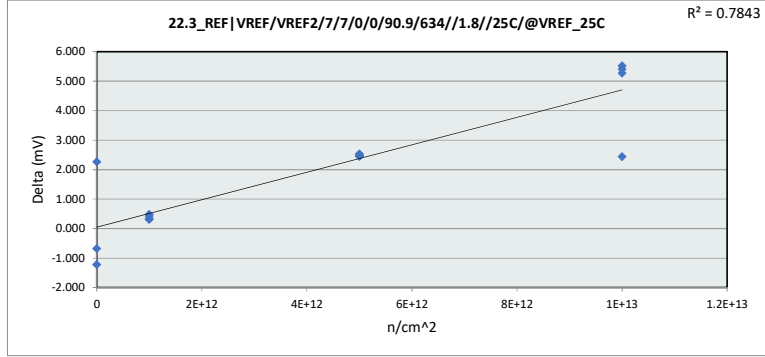


NDD Report
TPS7H4104-SP

22.3_REF|VREF/VREF2/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

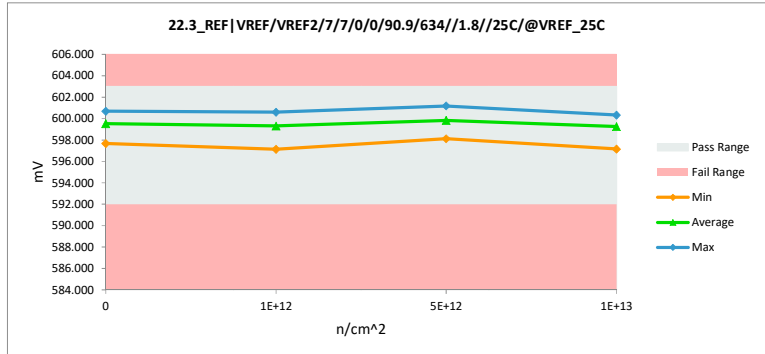
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.423	600.688	2.265
0	2	598.899	597.679	-1.220
0	3	600.928	600.251	-0.677
1E+12	10	596.828	597.138	0.310
1E+12	11	599.174	599.598	0.423
1E+12	12	599.551	599.895	0.344
1E+12	13	600.121	600.601	0.480
5E+12	14	598.696	601.187	2.491
5E+12	15	597.541	600.070	2.529
5E+12	16	595.653	598.125	2.472
5E+12	17	597.475	599.923	2.448
1E+13	18	594.028	599.431	5.404
1E+13	19	594.803	600.324	5.521
1E+13	20	594.714	597.159	2.444
1E+13	21	594.835	600.109	5.274
	Max	600.928	601.187	5.521
	Average	597.445	599.479	2.034
	Min	594.028	597.138	-1.220
	Std Dev	2.202	1.310	2.135



22.3_REF|VREF/VREF2/7/7/0/0/90.9/634//1.8

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	597.679	597.139	598.125	597.159
Average	599.540	599.308	599.826	599.256
Max	600.688	600.601	601.187	600.324
UL	603.000	603.000	603.000	603.000

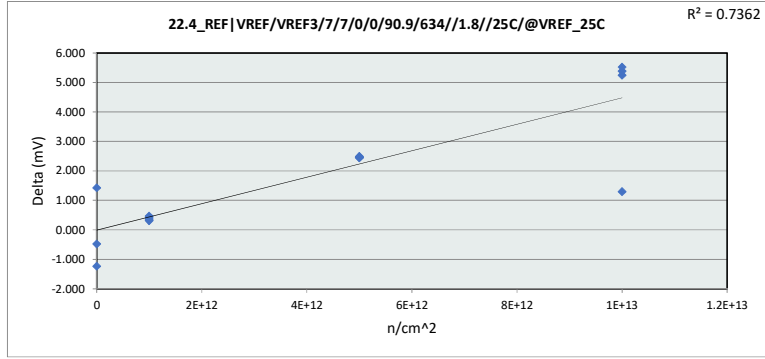


NDD Report
TPS7H4104-SP

22.4_REF|VREF/VREF3/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

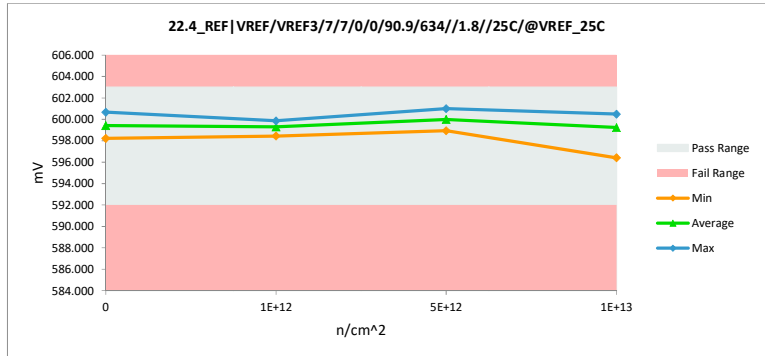
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.250	600.677	1.427
0	2	598.700	598.228	-0.473
0	3	600.596	599.365	-1.230
1E+12	10	598.131	598.442	0.311
1E+12	11	598.835	599.236	0.401
1E+12	12	599.530	599.866	0.336
1E+12	13	599.125	599.593	0.468
5E+12	14	598.560	601.008	2.448
5E+12	15	597.437	599.906	2.469
5E+12	16	596.453	598.948	2.495
5E+12	17	597.654	600.108	2.454
1E+13	18	594.851	600.238	5.387
1E+13	19	594.298	599.823	5.526
1E+13	20	595.115	596.413	1.298
1E+13	21	595.239	600.486	5.248
	Max	600.596	601.008	5.526
	Average	597.585	599.489	1.904
	Min	594.298	596.413	-1.230
	Std Dev	1.950	1.153	2.123



22.4_REF|VREF/VREF3/7/7/0/0/90.9/634//1.8

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	598.228	598.442	598.948	596.413
Average	599.424	599.284	599.993	599.240
Max	600.677	599.866	601.008	600.486
UL	603.000	603.000	603.000	603.000

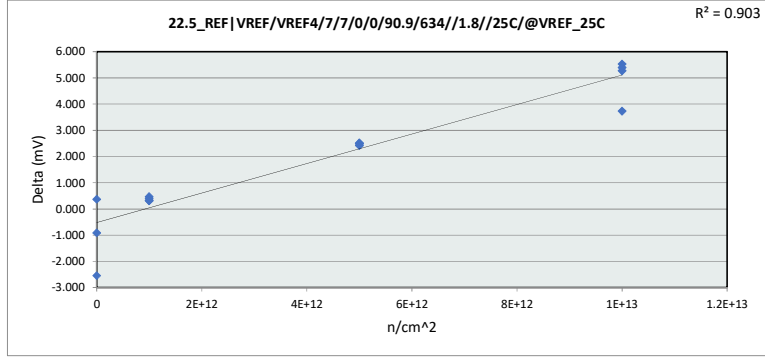


NDD Report
TPS7H4104-SP

22.5_REF|VREF/VREF4/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

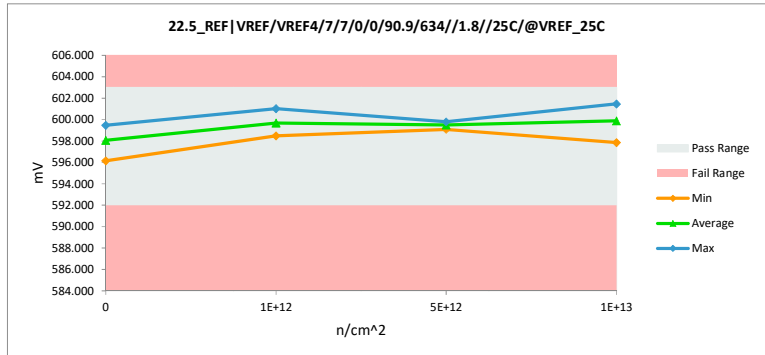
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.099	599.472	0.374
0	2	598.693	596.145	-2.548
0	3	599.489	598.574	-0.915
1E+12	10	598.172	598.482	0.310
1E+12	11	598.733	599.127	0.394
1E+12	12	599.767	600.084	0.317
1E+12	13	600.565	601.028	0.464
5E+12	14	597.262	599.747	2.485
5E+12	15	597.281	599.798	2.516
5E+12	16	596.593	599.083	2.490
5E+12	17	596.934	599.356	2.422
1E+13	18	596.065	601.461	5.395
1E+13	19	595.140	600.668	5.528
1E+13	20	594.123	597.852	3.729
1E+13	21	594.249	599.521	5.272
	Max	600.565	601.461	5.528
	Average	597.478	599.360	1.882
	Min	594.123	596.145	-2.548
	Std Dev	1.987	1.308	2.403



22.5_REF|VREF/VREF4/7/7/0/0/90.9/634//1.8

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	596.145	598.482	599.083	597.852
Average	598.064	599.680	599.496	599.875
Max	599.472	601.028	599.798	601.461
UL	603.000	603.000	603.000	603.000

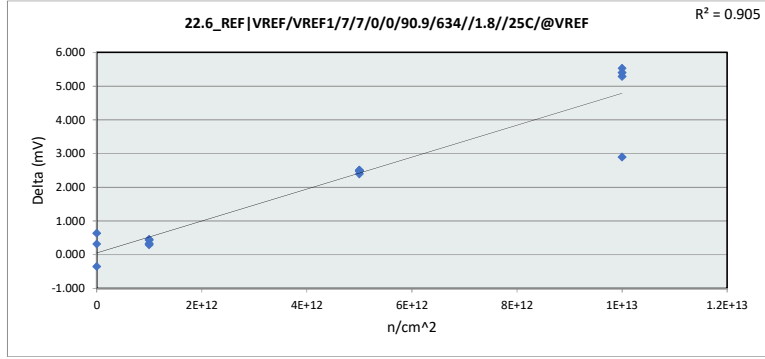


NDD Report
TPS7H4104-SP

22.6_REF|VREF/VREF1/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

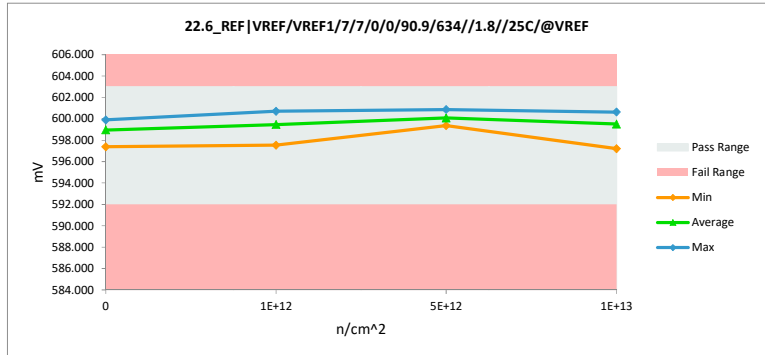
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.952	599.603	-0.348
0	2	597.061	597.375	0.314
0	3	599.258	599.893	0.636
1E+12	10	597.204	597.535	0.331
1E+12	11	599.327	599.757	0.431
1E+12	12	599.558	599.851	0.293
1E+12	13	600.250	600.705	0.454
5E+12	14	597.948	600.457	2.509
5E+12	15	598.375	600.871	2.496
5E+12	16	596.886	599.362	2.477
5E+12	17	597.212	599.610	2.398
1E+13	18	595.078	600.480	5.402
1E+13	19	595.104	600.634	5.530
1E+13	20	594.299	597.199	2.900
1E+13	21	594.413	599.706	5.293
	Max	600.250	600.871	5.530
	Average	597.462	599.536	2.074
	Min	594.299	597.199	-0.348
	Std Dev	2.023	1.212	2.022



22.6_REF|VREF/VREF1/7/7/0/0/9

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	597.375	597.535	599.362	597.199
Average	598.957	599.462	600.075	599.505
Max	599.893	600.705	600.871	600.634
UL	603.000	603.000	603.000	603.000

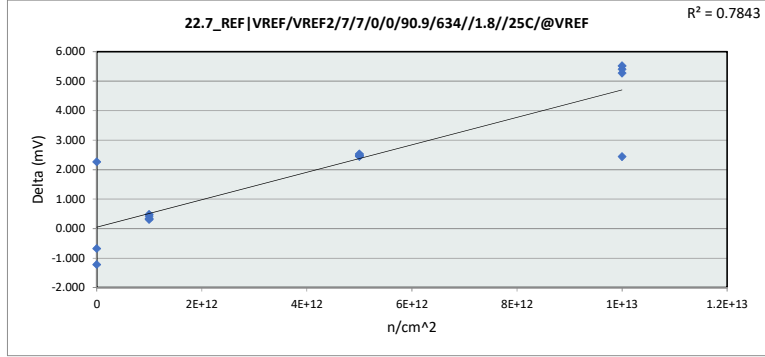


NDD Report
TPS7H4104-SP

22.7_REF|VREF/VREF2/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

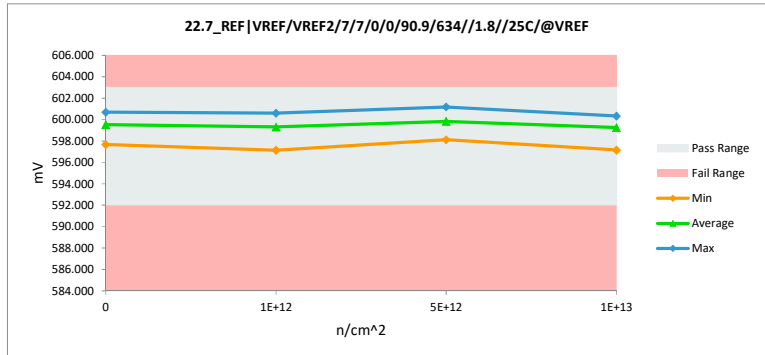
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	598.423	600.688	2.265
0	2	598.899	597.679	-1.220
0	3	600.928	600.251	-0.677
1E+12	10	596.828	597.138	0.310
1E+12	11	599.174	599.598	0.423
1E+12	12	599.551	599.895	0.344
1E+12	13	600.121	600.601	0.480
5E+12	14	598.696	601.187	2.491
5E+12	15	597.541	600.070	2.529
5E+12	16	595.653	598.125	2.472
5E+12	17	597.475	599.923	2.448
1E+13	18	594.028	599.431	5.404
1E+13	19	594.803	600.324	5.521
1E+13	20	594.714	597.159	2.444
1E+13	21	594.835	600.109	5.274
	Max	600.928	601.187	5.521
	Average	597.445	599.479	2.034
	Min	594.028	597.138	-1.220
	Std Dev	2.202	1.310	2.135



22.7_REF|VREF/VREF2/7/7/0/0/9

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	597.679	597.139	598.125	597.159
Average	599.540	599.308	599.826	599.256
Max	600.688	600.601	601.187	600.324
UL	603.000	603.000	603.000	603.000

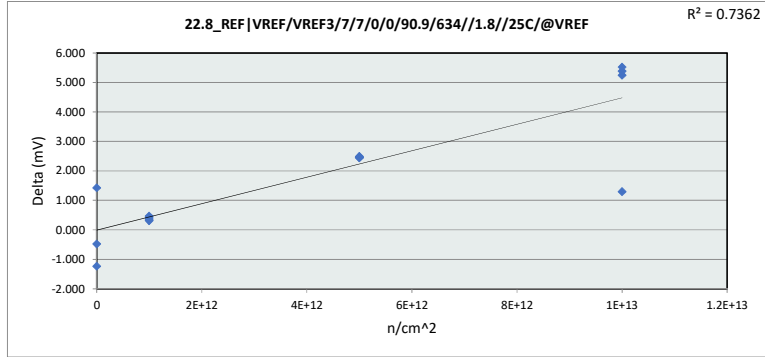


NDD Report
TPS7H4104-SP

22.8_REF|VREF/VREF3/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

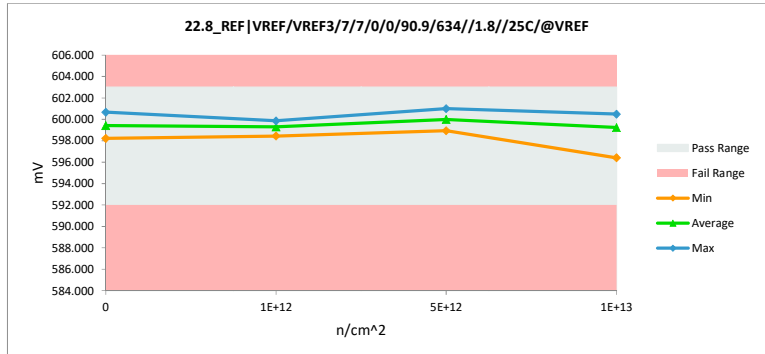
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.250	600.677	1.427
0	2	598.700	598.228	-0.473
0	3	600.596	599.365	-1.230
1E+12	10	598.131	598.442	0.311
1E+12	11	598.835	599.236	0.401
1E+12	12	599.530	599.866	0.336
1E+12	13	599.125	599.593	0.468
5E+12	14	598.560	601.008	2.448
5E+12	15	597.437	599.906	2.469
5E+12	16	596.453	598.948	2.495
5E+12	17	597.654	600.108	2.454
1E+13	18	594.851	600.238	5.387
1E+13	19	594.298	599.823	5.526
1E+13	20	595.115	596.413	1.298
1E+13	21	595.239	600.486	5.248
	Max	600.596	601.008	5.526
	Average	597.585	599.489	1.904
	Min	594.298	596.413	-1.230
	Std Dev	1.950	1.153	2.123



22.8_REF|VREF/VREF3/7/7/0/0/9

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	598.228	598.442	598.948	596.413
Average	599.424	599.284	599.993	599.240
Max	600.677	599.866	601.008	600.486
UL	603.000	603.000	603.000	603.000

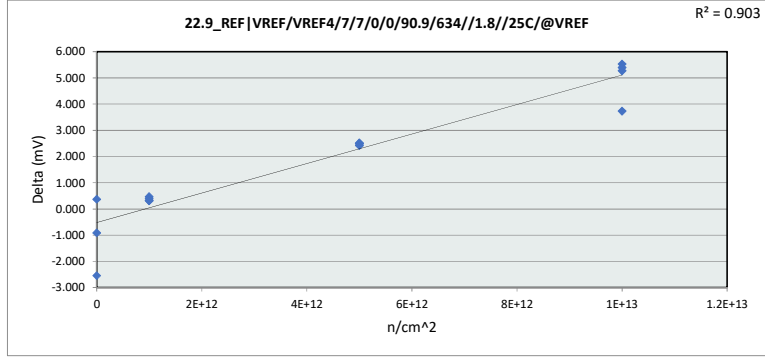


NDD Report TPS7H4104-SP

22.9_REF|VREF/VREF4/7/7/0/0/90.9/634//1.8

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	603.5	603
Min Limit	591.5	592

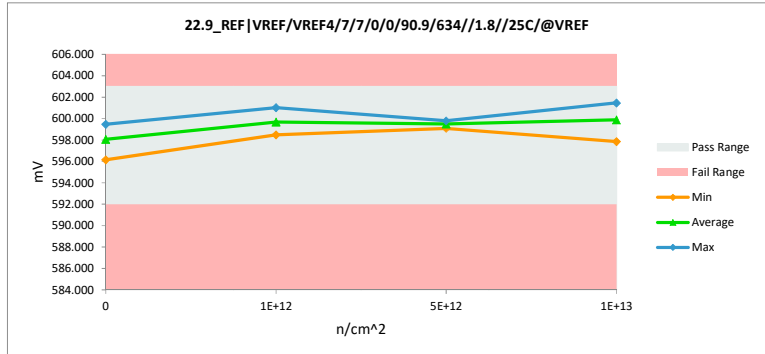
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	599.099	599.472	0.374
0	2	598.693	596.145	-2.548
0	3	599.489	598.574	-0.915
1E+12	10	598.172	598.482	0.310
1E+12	11	598.733	599.127	0.394
1E+12	12	599.767	600.084	0.317
1E+12	13	600.565	601.028	0.464
5E+12	14	597.262	599.747	2.485
5E+12	15	597.281	599.798	2.516
5E+12	16	596.593	599.083	2.490
5E+12	17	596.934	599.356	2.422
1E+13	18	596.065	601.461	5.395
1E+13	19	595.140	600.668	5.528
1E+13	20	594.123	597.852	3.729
1E+13	21	594.249	599.521	5.272
	Max	600.565	601.461	5.528
	Average	597.478	599.360	1.882
	Min	594.123	596.145	-2.548
	Std Dev	1.987	1.308	2.403



22.9_REF|VREF/VREF4/7/7/0/0/90.9/634//1.8

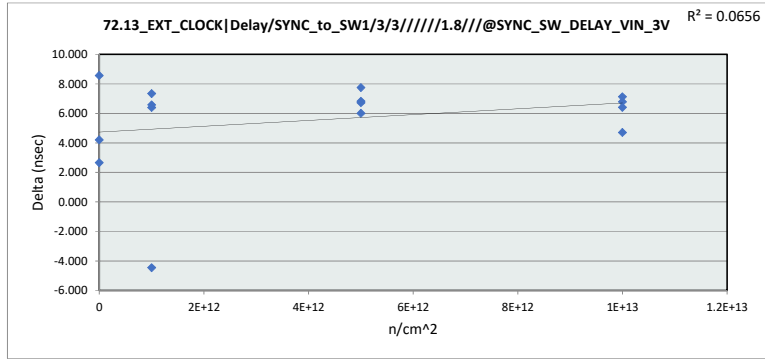
Test Site		
Tester		
Test Number		
Max Limit	603	mV
Min Limit	592	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	592.000	592.000	592.000	592.000
Min	596.145	598.482	599.083	597.852
Average	598.064	599.680	599.496	599.875
Max	599.472	601.028	599.798	601.461
UL	603.000	603.000	603.000	603.000

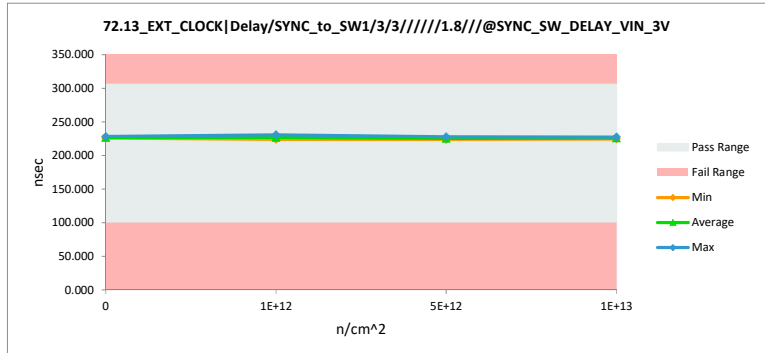


NDD Report TPS7H4104-SP

72.13_EXT_CLOCK Delay/SYNC_to_SW1/3/3//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	306		
Min Limit	58.8	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	219.397	227.967	8.570
0	2	223.585	226.249	2.664
0	3	221.648	225.863	4.214
1E+12	10	231.536	227.070	-4.465
1E+12	11	217.760	224.164	6.404
1E+12	12	223.365	230.707	7.342
1E+12	13	219.046	225.627	6.581
5E+12	14	218.015	224.838	6.822
5E+12	15	217.859	223.860	6.001
5E+12	16	217.618	225.374	7.756
5E+12	17	221.084	227.807	6.724
1E+13	18	218.261	224.669	6.408
1E+13	19	220.646	227.437	6.790
1E+13	20	220.154	224.855	4.700
1E+13	21	220.154	227.275	7.122
Max		231.536	230.707	8.570
Average		220.675	226.251	5.576
Min		217.618	223.860	-4.465
Std Dev		3.568	1.816	3.140

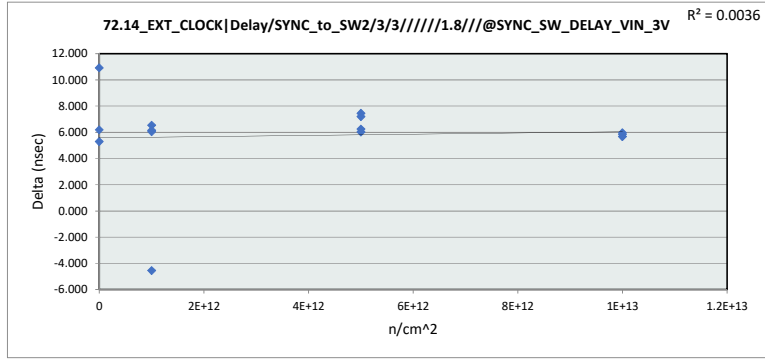


72.13_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	306	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	225.863	224.164	223.860	224.669
Average	226.693	226.892	225.470	226.059
Max	227.968	230.707	227.807	227.437
UL	306.000	306.000	306.000	306.000

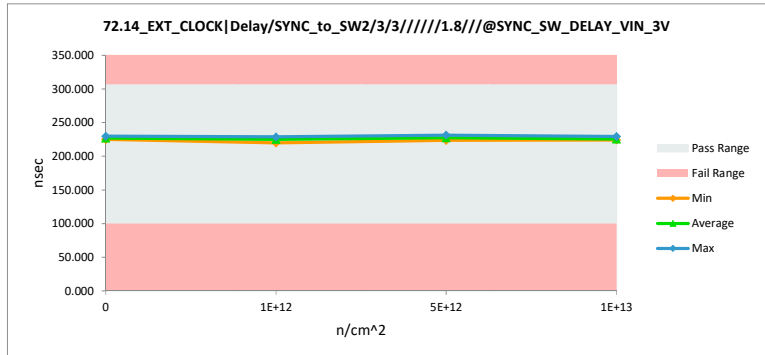


NDD Report TPS7H4104-SP

72.14_EXT_CLOCK Delay/SYNC_to_SW2/3/3//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	306		
Min Limit	58.8	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	218.882	229.806	10.924
0	2	221.037	226.334	5.297
0	3	219.061	225.250	6.189
1E+12	10	233.331	228.784	-4.547
1E+12	11	213.625	219.769	6.144
1E+12	12	222.111	228.647	6.535
1E+12	13	216.665	222.703	6.038
5E+12	14	216.658	223.856	7.199
5E+12	15	219.415	225.656	6.242
5E+12	16	224.060	231.507	7.447
5E+12	17	222.737	228.766	6.029
1E+13	18	223.744	229.428	5.684
1E+13	19	218.649	224.509	5.860
1E+13	20	218.604	224.278	5.674
1E+13	21	218.579	224.553	5.974
Max		233.331	231.507	10.924
Average		220.477	226.256	5.779
Min		213.625	219.769	-4.547
Std Dev		4.544	3.166	3.156

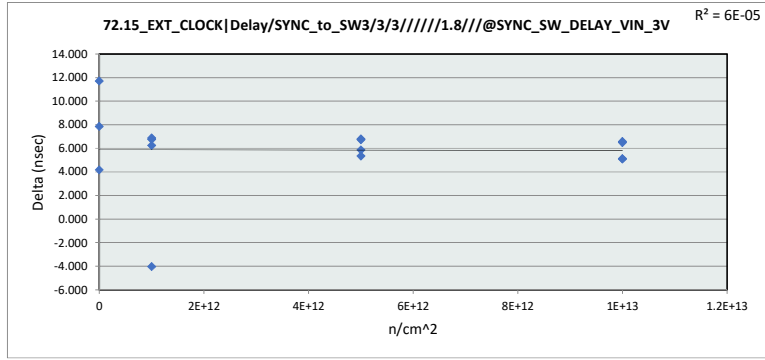


72.14_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	306	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	225.250	219.769	223.856	224.278
Average	227.130	224.976	227.446	225.692
Max	229.806	228.784	231.507	229.428
UL	306.000	306.000	306.000	306.000

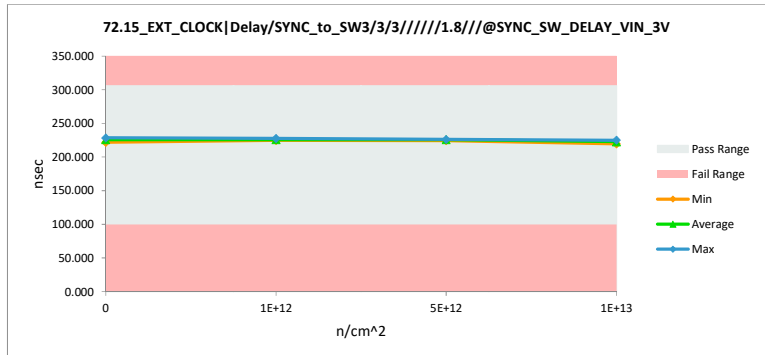


NDD Report TPS7H4104-SP

72.15_EXT_CLOCK Delay/SYNC_to_SW3/3/3//				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	306		
Min Limit	58.8	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	219.663	227.518	7.855
0	2	217.609	221.785	4.176
0	3	216.777	228.490	11.713
1E+12	10	229.286	225.264	-4.022
1E+12	11	218.007	224.776	6.769
1E+12	12	218.373	225.259	6.886
1E+12	13	221.601	227.845	6.244
5E+12	14	219.716	226.515	6.799
5E+12	15	220.473	225.828	5.355
5E+12	16	217.784	224.520	6.736
5E+12	17	220.277	226.149	5.872
1E+13	18	216.463	221.553	5.090
1E+13	19	214.383	219.520	5.137
1E+13	20	218.520	225.115	6.595
1E+13	21	218.509	224.992	6.483
Max		229.286	228.490	11.713
Average		219.163	225.008	5.846
Min		214.383	219.520	-4.022
Std Dev		3.326	2.444	3.215

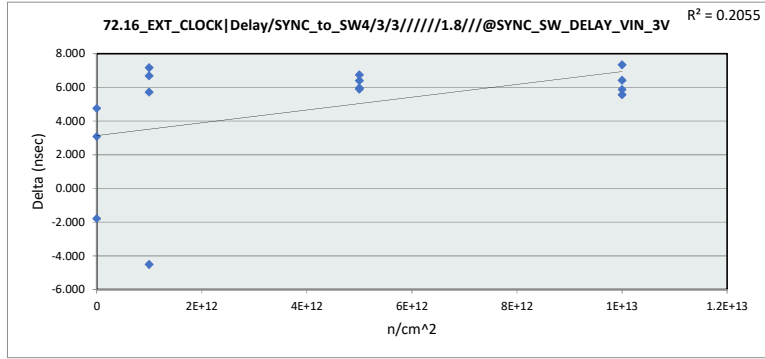


72.15_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	306	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	221.785	224.776	224.520	219.520
Average	225.931	225.786	225.753	222.795
Max	228.490	227.845	226.515	225.115
UL	306.000	306.000	306.000	306.000

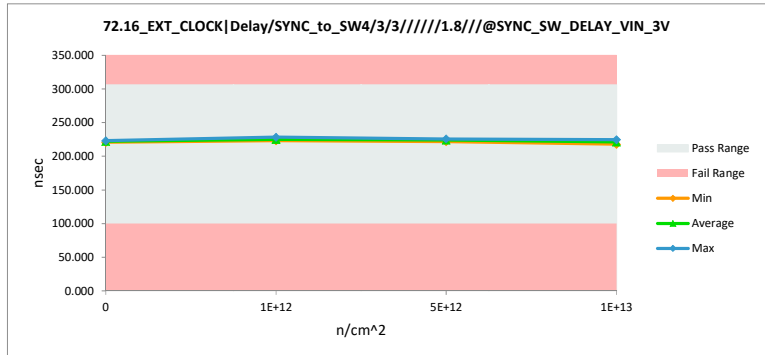


NDD Report TPS7H4104-SP

72.16_EXT_CLOCK Delay/SYNC_to_SW4/3/3///				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	314	306		
Min Limit	58.8	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	218.311	223.063	4.751
0	2	217.559	220.637	3.078
0	3	224.614	222.835	-1.779
1E+12	10	227.844	223.336	-4.508
1E+12	11	217.780	224.951	7.171
1E+12	12	217.822	224.507	6.685
1E+12	13	222.709	228.418	5.709
5E+12	14	219.215	225.615	6.401
5E+12	15	219.966	225.931	5.964
5E+12	16	216.942	223.683	6.742
5E+12	17	215.775	221.676	5.902
1E+13	18	213.325	219.751	6.426
1E+13	19	212.269	217.837	5.567
1E+13	20	217.370	224.716	7.345
1E+13	21	217.113	222.981	5.868
Max		227.844	228.418	7.345
Average		218.574	223.329	4.755
Min		212.269	217.837	-4.508
Std Dev		4.014	2.637	3.408



72.16_EXT_CLOCK Delay/SYNC_to				
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	220.637	223.336	221.677	217.837
Average	222.178	225.303	224.227	221.321
Max	223.063	228.418	225.931	224.716
UL	306.000	306.000	306.000	306.000

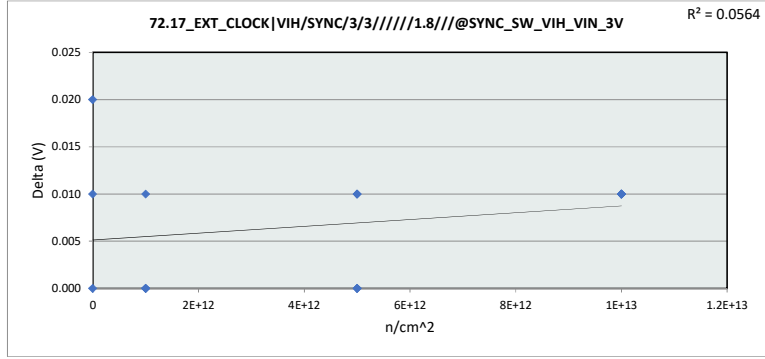


NDD Report
TPS7H4104-SP

72.17_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

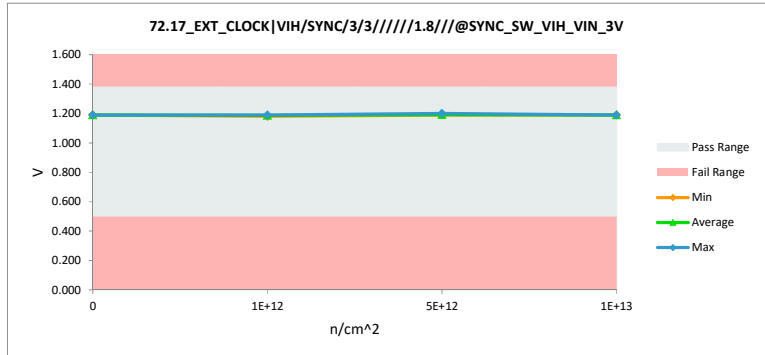
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.170	1.190	0.020
0	2	1.190	1.190	0.000
0	3	1.180	1.190	0.010
1E+12	10	1.180	1.180	0.000
1E+12	11	1.190	1.190	0.000
1E+12	12	1.180	1.190	0.010
1E+12	13	1.190	1.190	0.000
5E+12	14	1.190	1.190	0.000
5E+12	15	1.190	1.200	0.010
5E+12	16	1.180	1.190	0.010
5E+12	17	1.190	1.190	0.000
1E+13	18	1.180	1.190	0.010
1E+13	19	1.180	1.190	0.010
1E+13	20	1.180	1.190	0.010
1E+13	21	1.180	1.190	0.010
Max		1.190	1.200	0.020
Average		1.183	1.190	0.007
Min		1.170	1.180	0.000
Std Dev		0.006	0.004	0.006



72.17_EXT_CLOCK|VIH/SYNC/3/3

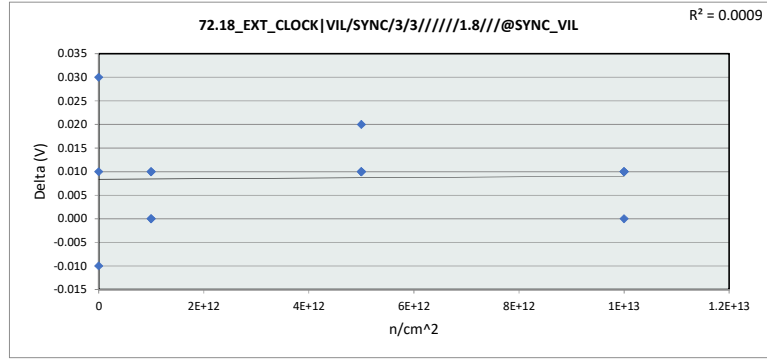
Test Site		
Tester		
Test Number		
Max Limit	1.38	V
Min Limit	0.5	V

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.500	0.500	0.500	0.500
Min	1.190	1.180	1.190	1.190
Average	1.190	1.188	1.193	1.190
Max	1.190	1.190	1.200	1.190
UL	1.380	1.380	1.380	1.380

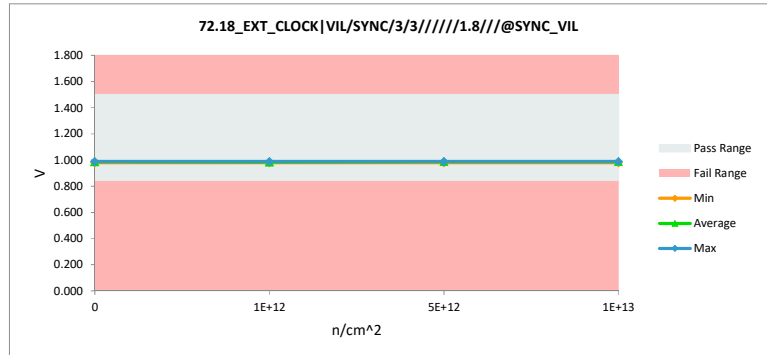


NDD Report TPS7H4104-SP

72.18_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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.990	0.980	-0.010
0	2	0.960	0.990	0.030
0	3	0.980	0.990	0.010
1E+12	10	0.980	0.980	0.000
1E+12	11	0.990	0.990	0.000
1E+12	12	0.980	0.990	0.010
1E+12	13	0.970	0.980	0.010
5E+12	14	0.980	0.990	0.010
5E+12	15	0.980	0.990	0.010
5E+12	16	0.970	0.980	0.010
5E+12	17	0.970	0.990	0.020
1E+13	18	0.980	0.980	0.000
1E+13	19	0.980	0.990	0.010
1E+13	20	0.980	0.990	0.010
1E+13	21	0.980	0.990	0.010
Max		0.990	0.990	0.030
Average		0.978	0.987	0.009
Min		0.960	0.980	-0.010
Std Dev		0.008	0.005	0.009

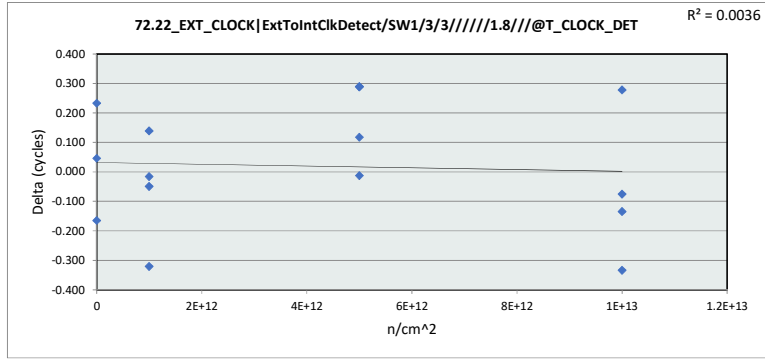


72.18_EXT_CLOCK VIL/SYNC/3/3/////1.8// @SYNC_VIL				
Test Site				
Tester				
Test Number				
Max Limit	1.5	V		
Min Limit	0.84	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.840	0.840	0.840	0.840
Min	0.980	0.980	0.980	0.980
Average	0.987	0.985	0.988	0.988
Max	0.990	0.990	0.990	0.990
UL	1.500	1.500	1.500	1.500

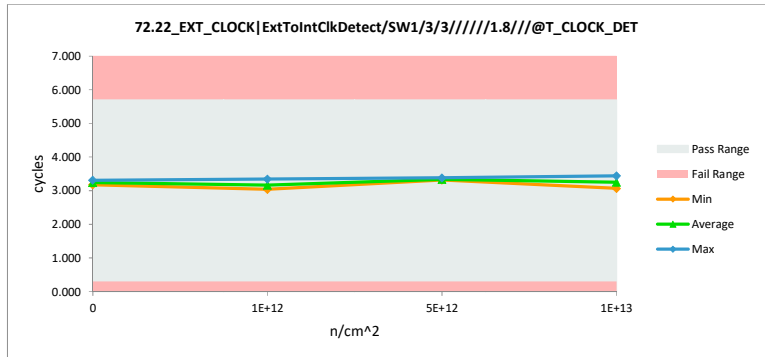


NDD Report
TPS7H4104-SP

72.22_EXT_CLOCK ExtToIntClkDetect/SW1/3/3/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.193	3.239	0.046
0	2	3.338	3.173	-0.165
0	3	3.078	3.311	0.233
1E+12	10	3.206	3.345	0.139
1E+12	11	3.182	3.134	-0.049
1E+12	12	3.160	3.145	-0.015
1E+12	13	3.360	3.040	-0.320
5E+12	14	3.229	3.347	0.118
5E+12	15	3.035	3.325	0.290
5E+12	16	3.329	3.317	-0.013
5E+12	17	3.092	3.380	0.289
1E+13	18	3.540	3.406	-0.134
1E+13	19	3.399	3.066	-0.333
1E+13	20	3.164	3.442	0.278
1E+13	21	3.182	3.107	-0.075
	Max	3.540	3.442	0.290
	Average	3.232	3.252	0.019
	Min	3.035	3.040	-0.333
	Std Dev	0.136	0.131	0.206

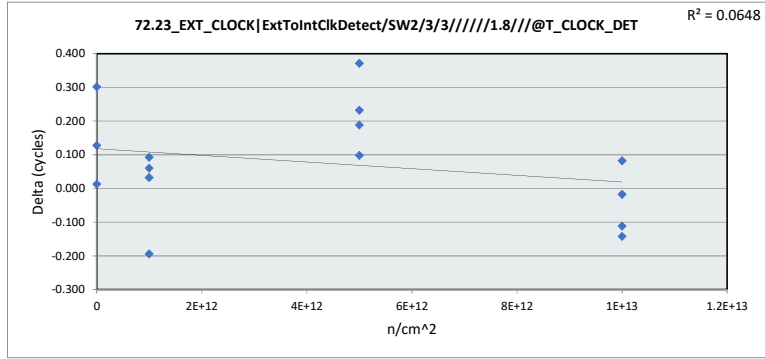


72.22_EXT_CLOCK ExtToIntClkDetect/SW1/3/3/1.8//@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Max Limit	5.7	cycles		
Min Limit	0.3	cycles		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.173	3.040	3.317	3.066
Average	3.241	3.166	3.342	3.255
Max	3.311	3.345	3.380	3.442
UL	5.700	5.700	5.700	5.700

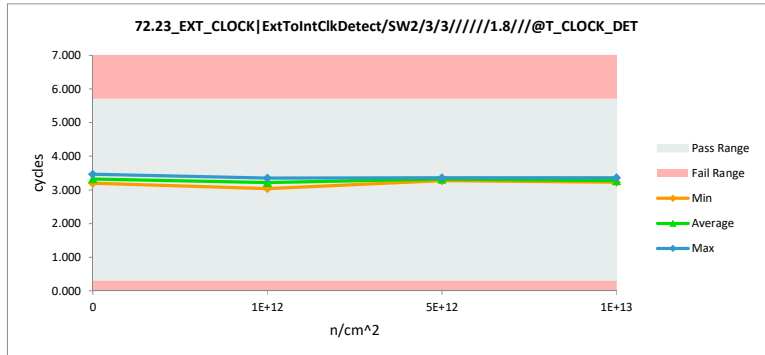


NDD Report
TPS7H4104-SP

72.23_EXT_CLOCK ExtToIntClkDetect/SW2/3/3/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.167	3.468	0.302
0	2	3.188	3.316	0.128
0	3	3.184	3.197	0.013
1E+12	10	3.111	3.171	0.060
1E+12	11	3.237	3.043	-0.194
1E+12	12	3.260	3.352	0.093
1E+12	13	3.289	3.321	0.032
5E+12	14	3.231	3.330	0.098
5E+12	15	3.096	3.328	0.232
5E+12	16	3.089	3.277	0.188
5E+12	17	2.993	3.364	0.371
1E+13	18	3.368	3.226	-0.142
1E+13	19	3.360	3.249	-0.111
1E+13	20	3.188	3.271	0.083
1E+13	21	3.381	3.363	-0.017
Max		3.381	3.468	0.371
Average		3.209	3.285	0.076
Min		2.993	3.043	-0.194
Std Dev		0.112	0.101	0.158

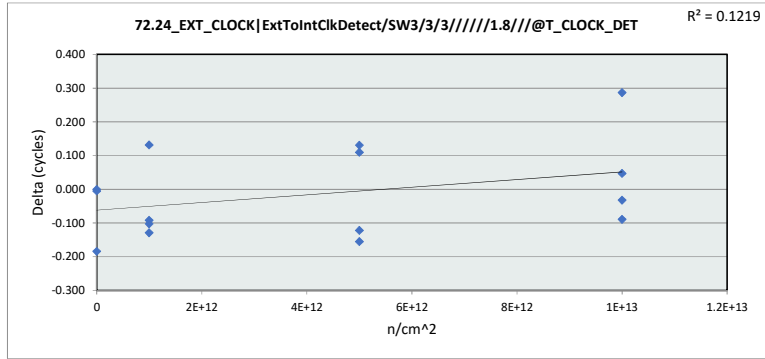


72.23_EXT_CLOCK ExtToIntClkDetect/SW2/3/3/1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Max Limit	5.7		cycles	
Min Limit	0.3		cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.197	3.043	3.277	3.226
Average	3.327	3.222	3.325	3.277
Max	3.468	3.353	3.364	3.363
UL	5.700	5.700	5.700	5.700

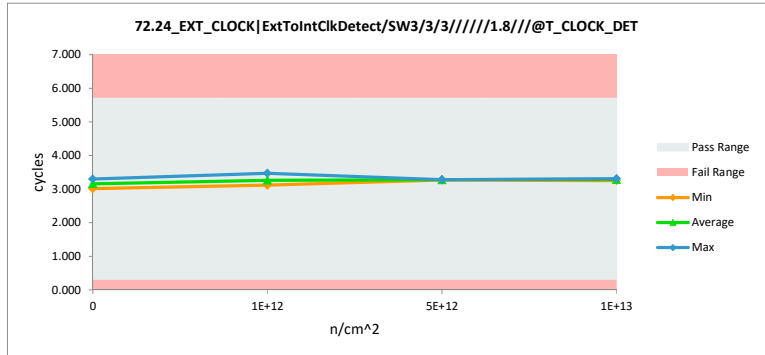


NDD Report
TPS7H4104-SP

72.24_EXT_CLOCK ExtToIntClkDetect/SW3/3/3/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.301	3.296	-0.005
0	2	3.177	3.177	0.000
0	3	3.194	3.010	-0.184
1E+12	10	3.313	3.184	-0.129
1E+12	11	3.205	3.113	-0.092
1E+12	12	3.336	3.467	0.131
1E+12	13	3.406	3.303	-0.103
5E+12	14	3.437	3.282	-0.155
5E+12	15	3.407	3.284	-0.122
5E+12	16	3.140	3.271	0.131
5E+12	17	3.156	3.266	0.110
1E+13	18	3.319	3.287	-0.032
1E+13	19	3.263	3.310	0.047
1E+13	20	3.014	3.301	0.287
1E+13	21	3.344	3.255	-0.089
	Max	3.437	3.467	0.287
	Average	3.268	3.254	-0.014
	Min	3.014	3.010	-0.184
	Std Dev	0.118	0.103	0.132

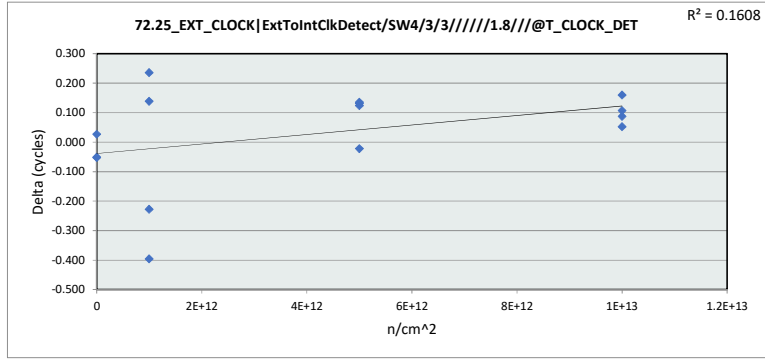


72.24_EXT_CLOCK ExtToIntClkDetect/SW3/3/3/1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Max Limit	5.7	cycles		
Min Limit	0.3	cycles		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.010	3.113	3.266	3.255
Average	3.161	3.267	3.276	3.288
Max	3.296	3.467	3.284	3.310
UL	5.700	5.700	5.700	5.700

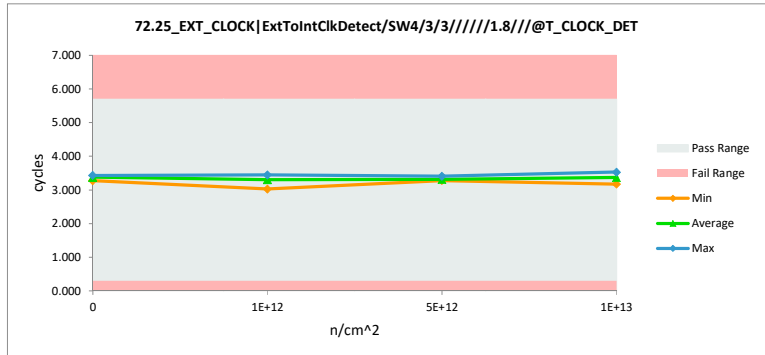


NDD Report
TPS7H4104-SP

72.25_EXT_CLOCK ExtToIntClkDetect/SW4/3/3/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.394	3.421	0.027
0	2	3.332	3.279	-0.053
0	3	3.482	3.432	-0.050
1E+12	10	3.178	3.414	0.236
1E+12	11	3.551	3.323	-0.228
1E+12	12	3.425	3.029	-0.395
1E+12	13	3.311	3.450	0.139
5E+12	14	3.273	3.408	0.135
5E+12	15	3.304	3.282	-0.022
5E+12	16	3.150	3.281	0.131
5E+12	17	3.160	3.284	0.124
1E+13	18	3.320	3.427	0.107
1E+13	19	3.125	3.177	0.052
1E+13	20	3.249	3.336	0.087
1E+13	21	3.371	3.531	0.159
Max		3.551	3.531	0.236
Average		3.308	3.338	0.030
Min		3.125	3.029	-0.395
Std Dev		0.125	0.125	0.164

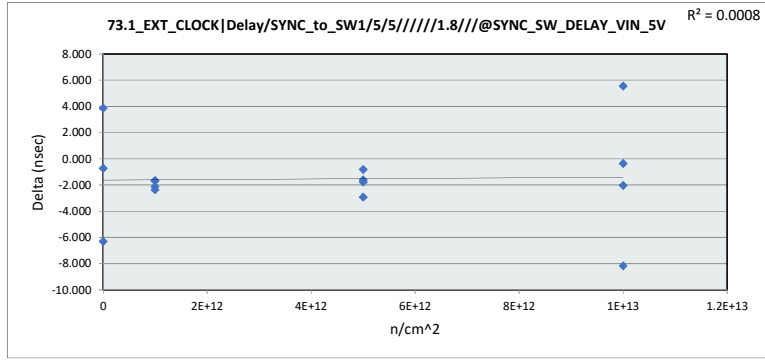


72.25_EXT_CLOCK ExtToIntClkDetect/SW4/3/3/1.8///@T_CLOCK_DET				
Test Site				
Tester				
Test Number				
Max Limit	5.7	cycles		
Min Limit	0.3	cycles		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.279	3.029	3.281	3.177
Average	3.377	3.304	3.314	3.368
Max	3.432	3.450	3.408	3.531
UL	5.700	5.700	5.700	5.700

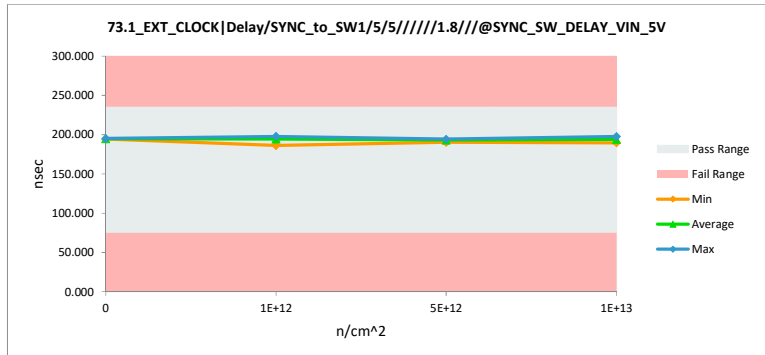


NDD Report TPS7H4104-SP

73.1_EXT_CLOCK Delay/SYNC_to_SW1/5/5/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	240	235		
Min Limit	44.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	190.539	194.398	3.859
0	2	201.389	195.082	-6.307
0	3	195.712	194.994	-0.718
1E+12	10	199.469	197.354	-2.115
1E+12	11	188.508	186.142	-2.366
1E+12	12	199.488	197.832	-1.656
1E+12	13	198.488	196.815	-1.673
5E+12	14	195.828	194.225	-1.603
5E+12	15	191.820	190.048	-1.773
5E+12	16	197.229	194.310	-2.919
5E+12	17	194.337	193.528	-0.809
1E+13	18	192.832	190.810	-2.022
1E+13	19	192.231	197.777	5.546
1E+13	20	197.919	189.758	-8.161
1E+13	21	197.520	197.163	-0.357
Max		201.389	197.832	5.546
Average		195.554	194.016	-1.538
Min		188.508	186.142	-8.161
Std Dev		3.727	3.447	3.292

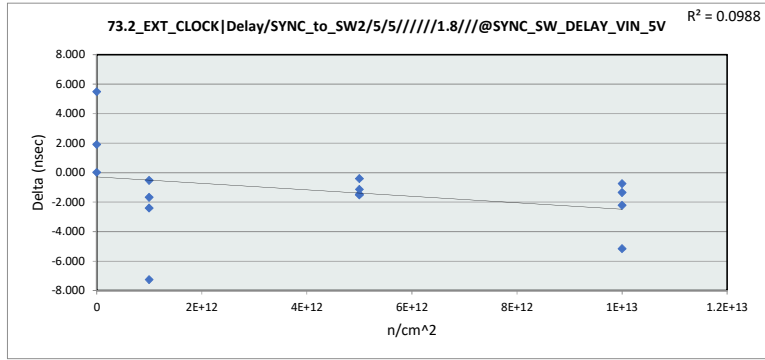


73.1_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	235	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	194.398	186.142	190.048	189.758
Average	194.825	194.536	193.028	193.877
Max	195.082	197.832	194.310	197.777
UL	235.000	235.000	235.000	235.000

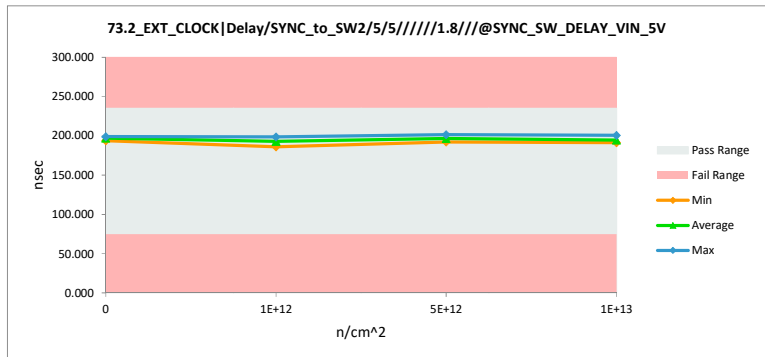


NDD Report TPS7H4104-SP

73.2_EXT_CLOCK Delay/SYNC_to_SW2/5/5/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	240	235		
Min Limit	44.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	197.128	199.037	1.909
0	2	193.070	198.565	5.495
0	3	193.742	193.771	0.029
1E+12	10	201.898	194.646	-7.252
1E+12	11	188.320	185.917	-2.403
1E+12	12	199.268	198.741	-0.527
1E+12	13	194.217	192.548	-1.669
5E+12	14	195.068	193.613	-1.455
5E+12	15	193.574	192.057	-1.518
5E+12	16	202.727	201.585	-1.142
5E+12	17	200.353	199.948	-0.405
1E+13	18	202.912	200.688	-2.223
1E+13	19	193.499	192.149	-1.350
1E+13	20	196.447	191.291	-5.155
1E+13	21	195.955	195.207	-0.749
Max		202.912	201.585	5.495
Average		196.545	195.318	-1.228
Min		188.320	185.917	-7.252
Std Dev		4.169	4.345	2.834

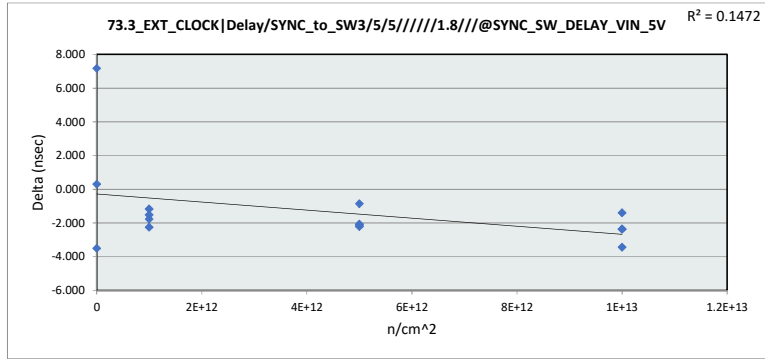


73.2_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	235	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	193.771	185.917	192.057	191.291
Average	197.124	192.963	196.801	194.834
Max	199.037	198.741	201.585	200.688
UL	235.000	235.000	235.000	235.000

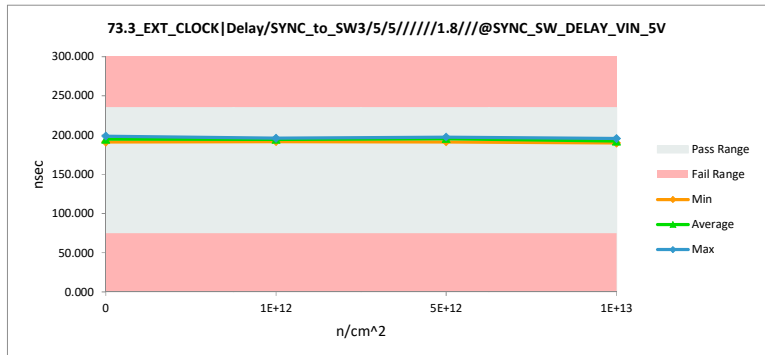


NDD Report TPS7H4104-SP

73.3_EXT_CLOCK Delay/SYNC_to_SW3/5/5/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	240	235		
Min Limit	44.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	194.495	194.803	0.308
0	2	194.544	191.040	-3.504
0	3	191.490	198.663	7.173
1E+12	10	198.131	195.886	-2.245
1E+12	11	196.635	195.119	-1.516
1E+12	12	192.913	191.740	-1.172
1E+12	13	197.039	195.273	-1.766
5E+12	14	199.492	197.363	-2.130
5E+12	15	198.938	196.876	-2.062
5E+12	16	193.504	191.286	-2.219
5E+12	17	197.128	196.269	-0.859
1E+13	18	192.433	190.072	-2.361
1E+13	19	192.183	189.820	-2.363
1E+13	20	197.613	194.180	-3.433
1E+13	21	196.855	195.461	-1.394
Max		199.492	198.663	7.173
Average		195.560	194.257	-1.303
Min		191.490	189.820	-3.504
Std Dev		2.623	2.788	2.529

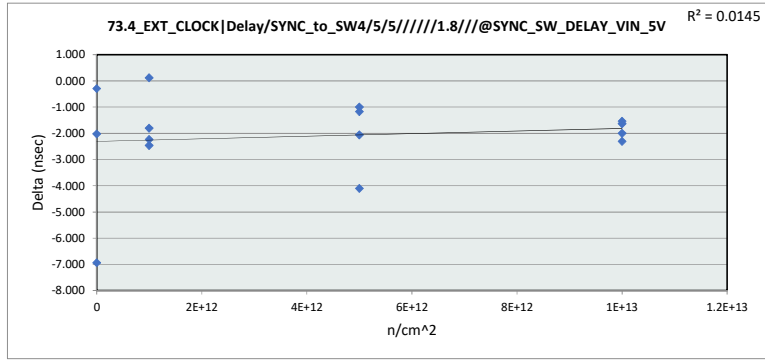


73.3_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	235	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	191.040	191.740	191.286	189.820
Average	194.835	194.505	195.448	192.383
Max	198.663	195.886	197.363	195.461
UL	235.000	235.000	235.000	235.000

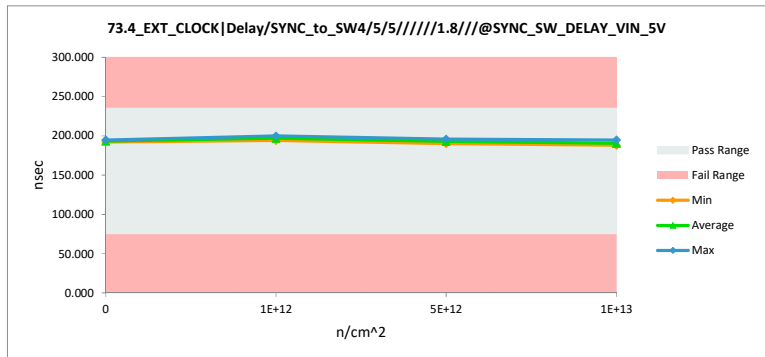


NDD Report TPS7H4104-SP

73.4_EXT_CLOCK Delay/SYNC_to_SW4/5/5/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	240	235		
Min Limit	44.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	194.720	192.698	-2.022
0	2	192.524	192.227	-0.297
0	3	201.675	194.734	-6.940
1E+12	10	196.704	194.243	-2.461
1E+12	11	198.406	196.603	-1.803
1E+12	12	196.749	196.862	0.114
1E+12	13	202.105	199.871	-2.234
5E+12	14	197.569	193.464	-4.105
5E+12	15	198.003	195.942	-2.061
5E+12	16	193.456	192.287	-1.169
5E+12	17	191.224	190.228	-0.996
1E+13	18	193.665	191.359	-2.306
1E+13	19	190.440	188.438	-2.003
1E+13	20	196.330	194.790	-1.540
1E+13	21	189.588	187.954	-1.634
	Max	202.105	199.871	0.114
	Average	195.544	193.447	-2.097
	Min	189.588	187.954	-6.940
	Std Dev	3.782	3.236	1.659

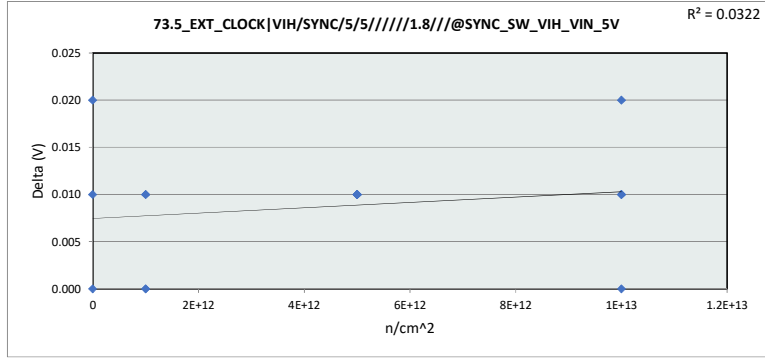


73.4_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	235	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	192.227	194.243	190.228	187.954
Average	193.220	196.895	192.980	190.635
Max	194.734	199.871	195.942	194.790
UL	235.000	235.000	235.000	235.000

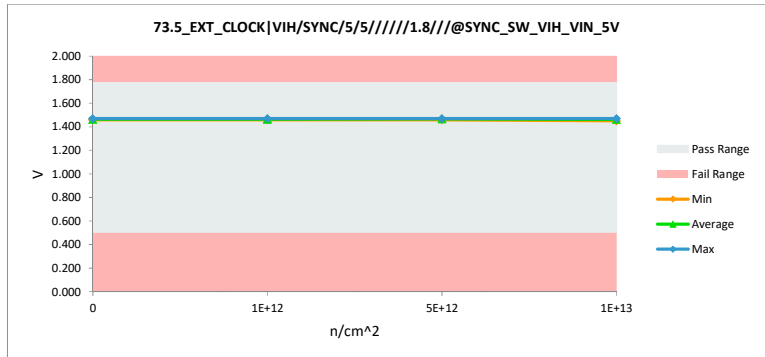


NDD Report
TPS7H4104-SP

73.5_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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.460	1.460	0.000
0	2	1.450	1.460	0.010
0	3	1.450	1.470	0.020
1E+12	10	1.460	1.460	0.000
1E+12	11	1.460	1.470	0.010
1E+12	12	1.460	1.460	0.000
1E+12	13	1.460	1.470	0.010
5E+12	14	1.460	1.470	0.010
5E+12	15	1.460	1.470	0.010
5E+12	16	1.450	1.460	0.010
5E+12	17	1.460	1.470	0.010
1E+13	18	1.450	1.470	0.020
1E+13	19	1.450	1.460	0.010
1E+13	20	1.450	1.450	0.000
1E+13	21	1.460	1.470	0.010
Max		1.460	1.470	0.020
Average		1.456	1.465	0.009
Min		1.450	1.450	0.000
Std Dev		0.005	0.006	0.006

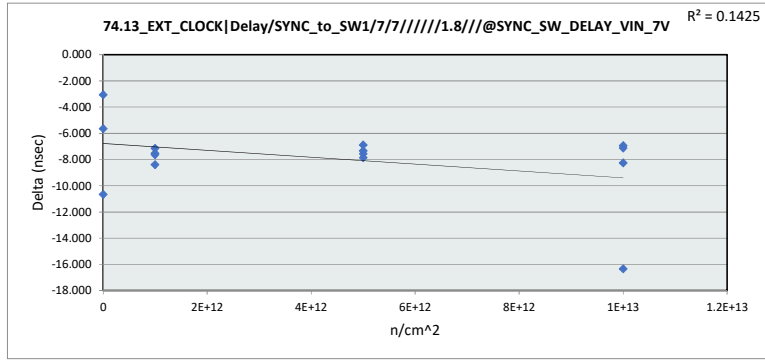


73.5_EXT_CLOCK VIH/SYNC/5/5/				
Test Site				
Tester				
Test Number				
Max Limit	1.775	V		
Min Limit	0.5	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.500	0.500	0.500	0.500
Min	1.460	1.460	1.460	1.450
Average	1.463	1.465	1.468	1.463
Max	1.470	1.470	1.470	1.470
UL	1.775	1.775	1.775	1.775

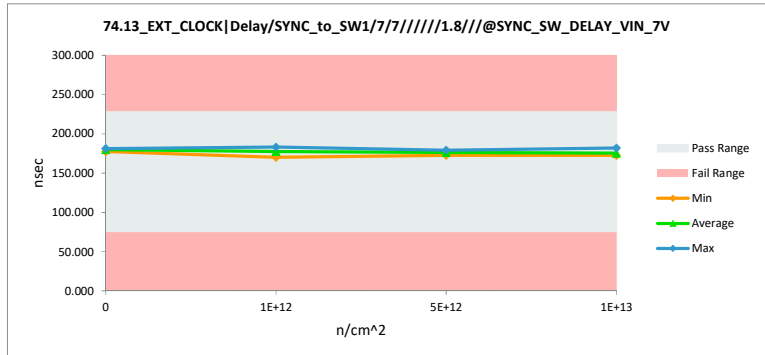


NDD Report TPS7H4104-SP

74.13_EXT_CLOCK Delay/SYNC_to_SW1/7/7/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	238	228		
Min Limit	45.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	180.491	177.435	-3.056
0	2	192.036	181.374	-10.663
0	3	186.422	180.778	-5.644
1E+12	10	191.553	183.164	-8.389
1E+12	11	177.809	170.174	-7.635
1E+12	12	185.752	178.615	-7.136
1E+12	13	185.951	178.422	-7.529
5E+12	14	186.881	179.307	-7.574
5E+12	15	179.855	172.518	-7.337
5E+12	16	186.130	178.275	-7.855
5E+12	17	182.059	175.162	-6.897
1E+13	18	181.258	174.133	-7.125
1E+13	19	181.201	172.942	-8.259
1E+13	20	188.755	172.414	-16.341
1E+13	21	188.919	181.974	-6.945
	Max	192.036	183.164	-3.056
	Average	185.005	177.112	-7.892
	Min	177.809	170.174	-16.341
	Std Dev	4.357	3.995	2.823

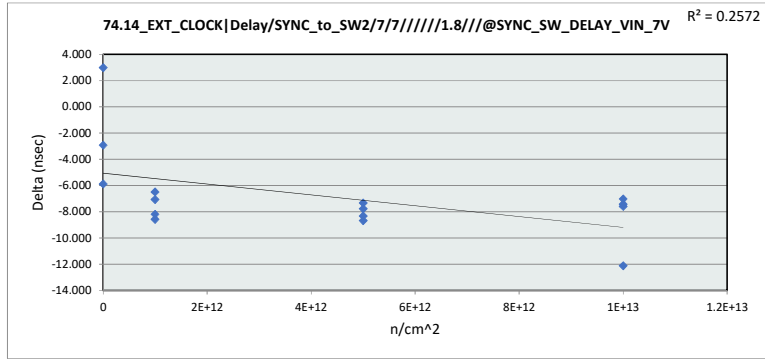


74.13_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	228	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	177.435	170.174	172.518	172.414
Average	179.862	177.594	176.315	175.366
Max	181.374	183.164	179.307	181.974
UL	228.000	228.000	228.000	228.000

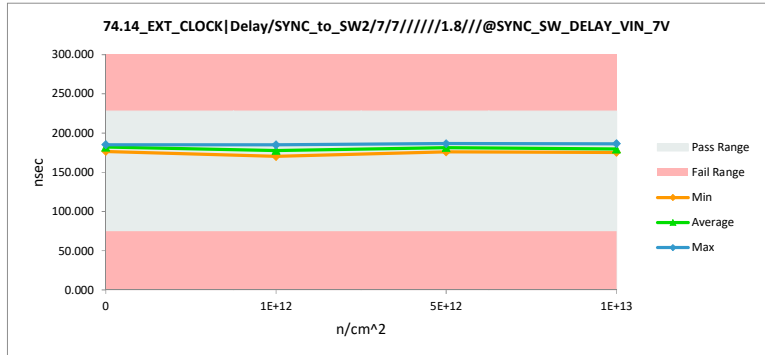


NDD Report TPS7H4104-SP

74.14_EXT_CLOCK Delay/SYNC_to_SW2/7/7/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	238	228		
Min Limit	45.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	187.474	184.550	-2.923
0	2	182.165	185.164	2.999
0	3	182.396	176.520	-5.876
1E+12	10	187.085	178.513	-8.572
1E+12	11	177.324	170.249	-7.075
1E+12	12	191.486	184.990	-6.496
1E+12	13	185.790	177.589	-8.201
5E+12	14	187.738	179.055	-8.683
5E+12	15	184.220	175.888	-8.332
5E+12	16	194.253	186.486	-7.768
5E+12	17	192.450	185.113	-7.337
1E+13	18	193.755	186.339	-7.417
1E+13	19	182.877	175.855	-7.022
1E+13	20	187.590	175.470	-12.121
1E+13	21	187.935	180.335	-7.600
Max		194.253	186.486	2.999
Average		186.969	180.141	-6.828
Min		177.324	170.249	-12.121
Std Dev		4.739	5.009	3.313

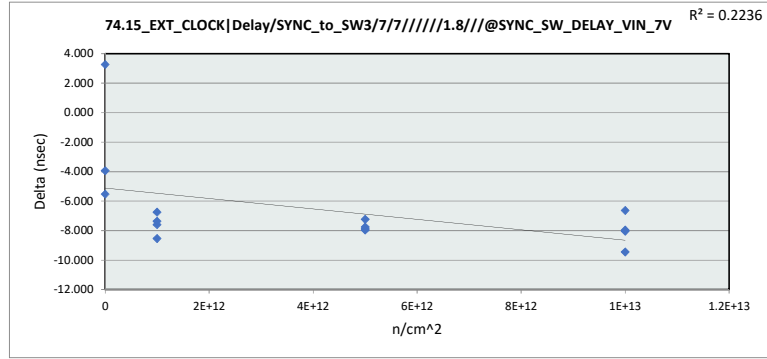


74.14_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	228	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	176.521	170.249	175.888	175.470
Average	182.078	177.835	181.635	179.499
Max	185.164	184.990	186.486	186.339
UL	228.000	228.000	228.000	228.000

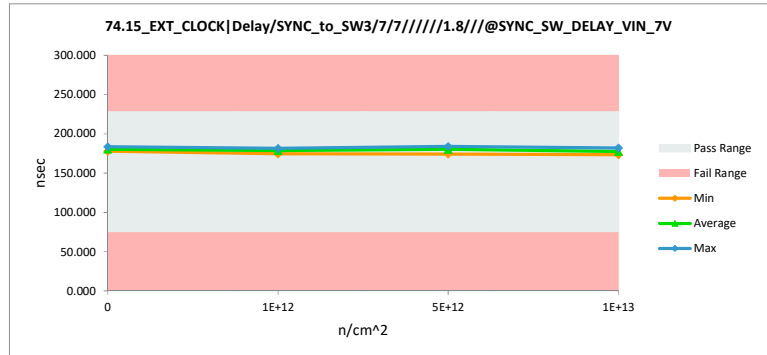


NDD Report TPS7H4104-SP

74.15_EXT_CLOCK Delay/SYNC_to_SW3/7/7/1.8//@SYNC_SW_DELAY_VIN_7V				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	238	228		
Min Limit	45.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	181.904	177.972	-3.932
0	2	185.484	179.954	-5.530
0	3	180.320	183.588	3.268
1E+12	10	189.926	181.391	-8.535
1E+12	11	186.925	180.171	-6.754
1E+12	12	181.808	174.451	-7.357
1E+12	13	186.144	178.542	-7.602
5E+12	14	191.935	184.056	-7.879
5E+12	15	190.524	182.770	-7.754
5E+12	16	182.177	174.217	-7.959
5E+12	17	187.639	180.409	-7.231
1E+13	18	181.527	173.568	-7.960
1E+13	19	180.620	173.981	-6.639
1E+13	20	189.334	179.882	-9.452
1E+13	21	189.997	181.951	-8.046
Max		191.935	184.056	3.268
Average		185.751	179.127	-6.624
Min		180.320	173.568	-9.452
Std Dev		4.064	3.582	3.027

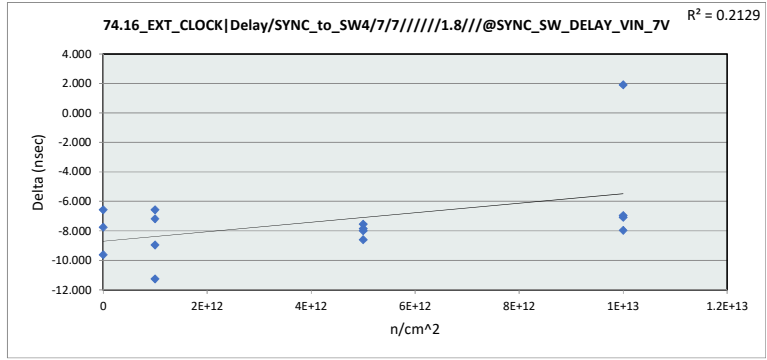


74.15_EXT_CLOCK Delay/SYNC_to_SW3/7/7/1.8//@SYNC_SW_DELAY_VIN_7V				
Test Site				
Tester				
Test Number				
Max Limit	228	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	177.972	174.451	174.217	173.568
Average	180.505	178.639	180.363	177.345
Max	183.588	181.391	184.056	181.951
UL	228.000	228.000	228.000	228.000

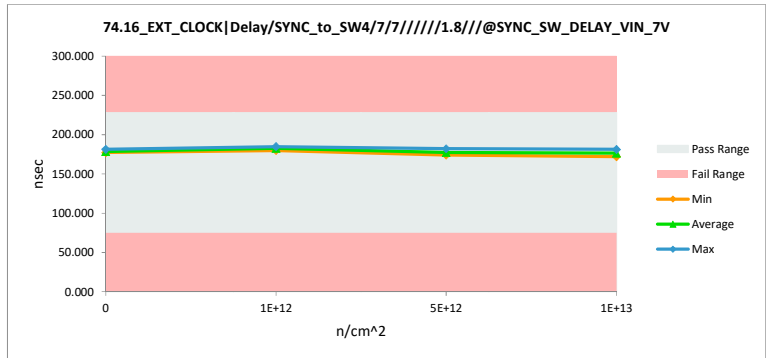


NDD Report
TPS7H4104-SP

74.16_EXT_CLOCK Delay/SYNC_to_SW4/7/7/////				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	238	228		
Min Limit	45.2	75		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	183.929	177.359	-6.570
0	2	184.959	177.207	-7.753
0	3	191.049	181.430	-9.619
1E+12	10	191.055	179.799	-11.256
1E+12	11	190.085	183.512	-6.573
1E+12	12	189.327	182.149	-7.178
1E+12	13	193.695	184.749	-8.945
5E+12	14	186.931	178.336	-8.595
5E+12	15	189.493	181.956	-7.538
5E+12	16	182.252	174.414	-7.838
5E+12	17	181.867	173.884	-7.982
1E+13	18	185.759	177.800	-7.959
1E+13	19	181.910	174.833	-7.076
1E+13	20	179.272	181.177	1.906
1E+13	21	178.884	171.929	-6.954
Max		193.695	184.749	1.906
Average		186.031	178.702	-7.329
Min		178.884	171.929	-11.256
Std Dev		4.631	3.821	2.839

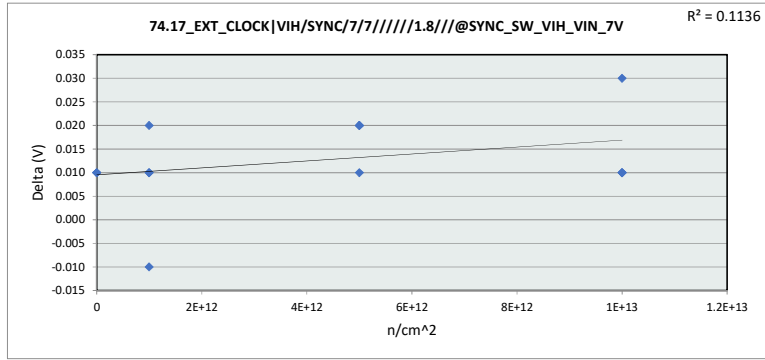


74.16_EXT_CLOCK Delay/SYNC_to				
Test Site				
Tester				
Test Number				
Max Limit	228	nsec		
Min Limit	75	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	75.000	75.000	75.000	75.000
Min	177.207	179.799	173.884	171.929
Average	178.665	182.552	177.147	176.435
Max	181.430	184.749	181.956	181.177
UL	228.000	228.000	228.000	228.000

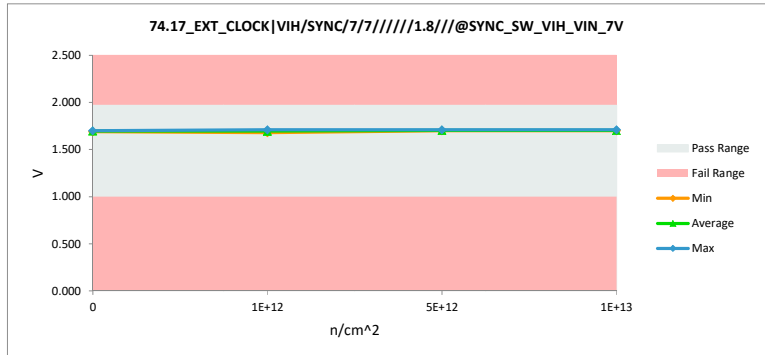


NDD Report
TPS7H4104-SP

74.17_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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.690	1.700	0.010
0	2	1.690	1.700	0.010
0	3	1.680	1.690	0.010
1E+12	10	1.680	1.690	0.010
1E+12	11	1.690	1.710	0.020
1E+12	12	1.690	1.680	-0.010
1E+12	13	1.690	1.700	0.010
5E+12	14	1.690	1.700	0.010
5E+12	15	1.690	1.710	0.020
5E+12	16	1.680	1.700	0.020
5E+12	17	1.690	1.710	0.020
1E+13	18	1.690	1.700	0.010
1E+13	19	1.690	1.700	0.010
1E+13	20	1.680	1.710	0.030
1E+13	21	1.690	1.700	0.010
Max		1.690	1.710	0.030
Average		1.687	1.700	0.013
Min		1.680	1.680	-0.010
Std Dev		0.005	0.008	0.009

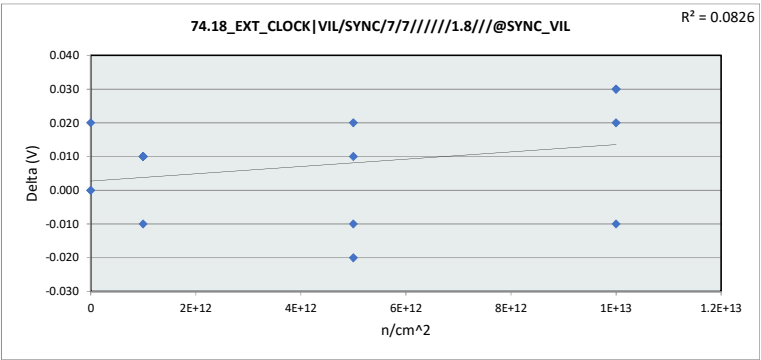


74.17_EXT_CLOCK VIH/SYNC/7/7				
Test Site				
Tester				
Test Number				
Max Limit	1.97	V		
Min Limit	1	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	1.690	1.680	1.700	1.700
Average	1.697	1.695	1.705	1.703
Max	1.700	1.710	1.710	1.710
UL	1.970	1.970	1.970	1.970

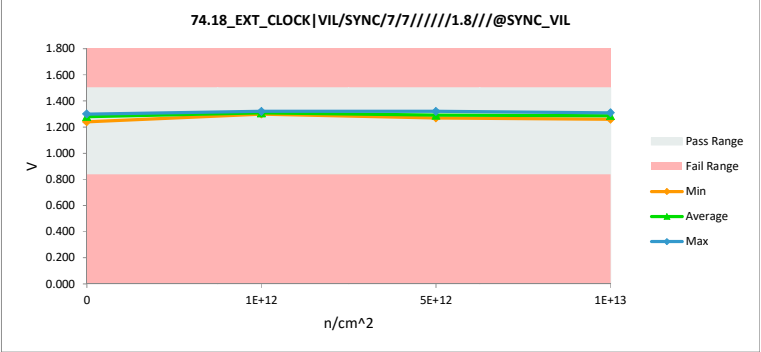


NDD Report
TPS7H4104-SP

74.18_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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.300	1.300	0.000
0	2	1.240	1.240	0.000
0	3	1.280	1.300	0.020
1E+12	10	1.290	1.300	0.010
1E+12	11	1.310	1.320	0.010
1E+12	12	1.300	1.310	0.010
1E+12	13	1.310	1.300	-0.010
5E+12	14	1.300	1.290	-0.010
5E+12	15	1.290	1.270	-0.020
5E+12	16	1.300	1.320	0.020
5E+12	17	1.270	1.280	0.010
1E+13	18	1.260	1.290	0.030
1E+13	19	1.290	1.310	0.020
1E+13	20	1.230	1.260	0.030
1E+13	21	1.300	1.290	-0.010
Max		1.310	1.320	0.030
Average		1.285	1.292	0.007
Min		1.230	1.240	-0.020
Std Dev		0.024	0.022	0.015

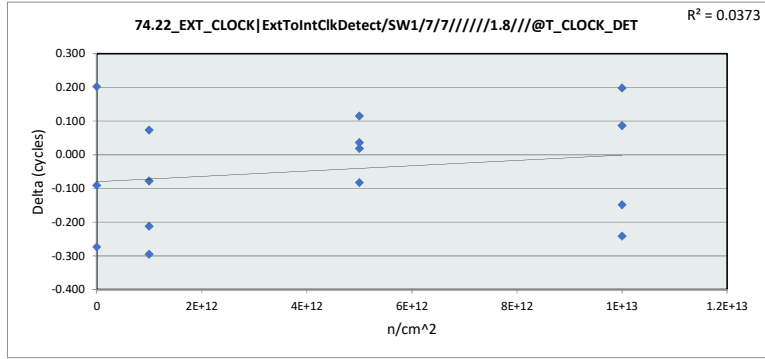


74.18_EXT_CLOCK VIL SYNC/7/7/////1.8///@SYNC_VIL				
Test Site				
Tester				
Test Number				
Max Limit	1.5	V		
Min Limit	0.84	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.840	0.840	0.840	0.840
Min	1.240	1.300	1.270	1.260
Average	1.280	1.308	1.290	1.288
Max	1.300	1.320	1.320	1.310
UL	1.500	1.500	1.500	1.500

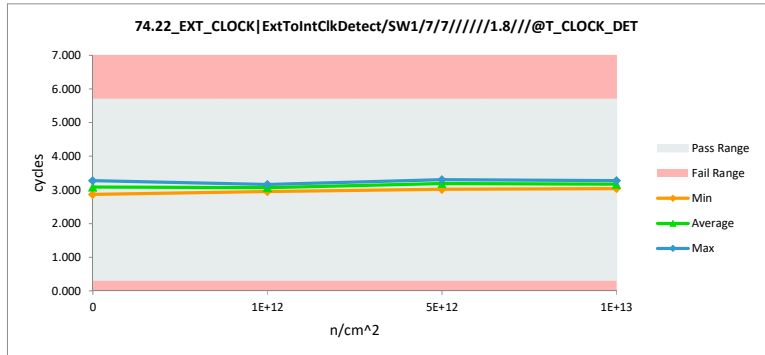


NDD Report
TPS7H4104-SP

74.22_EXT_CLOCK ExtToIntClkDetect/SW1/7/7/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		cycles	cycles	
Min Limit		6	5.7	
		-0.78	0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.078	3.280	0.202
0	2	3.200	3.109	-0.090
0	3	3.139	2.865	-0.273
1E+12	10	3.088	3.161	0.074
1E+12	11	3.214	3.002	-0.212
1E+12	12	3.245	2.950	-0.295
1E+12	13	3.240	3.162	-0.078
5E+12	14	3.186	3.222	0.036
5E+12	15	3.000	3.019	0.019
5E+12	16	3.191	3.306	0.115
5E+12	17	3.288	3.206	-0.082
1E+13	18	3.189	3.275	0.086
1E+13	19	3.191	3.042	-0.148
1E+13	20	3.346	3.105	-0.242
1E+13	21	3.061	3.259	0.198
	Max	3.346	3.306	0.202
	Average	3.177	3.131	-0.046
	Min	3.000	2.865	-0.295
	Std Dev	0.091	0.133	0.166

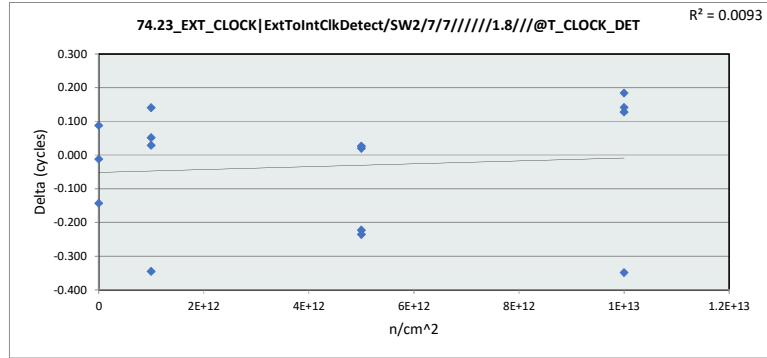


74.22_EXT_CLOCK ExtToIntClkDetect/SW1/7/7/				
Test Site				
Tester				
Test Number				
Max Limit		5.7	cycles	
Min Limit		0.3	cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	2.866	2.950	3.019	3.042
Average	3.085	3.069	3.188	3.170
Max	3.280	3.163	3.306	3.275
UL	5.700	5.700	5.700	5.700

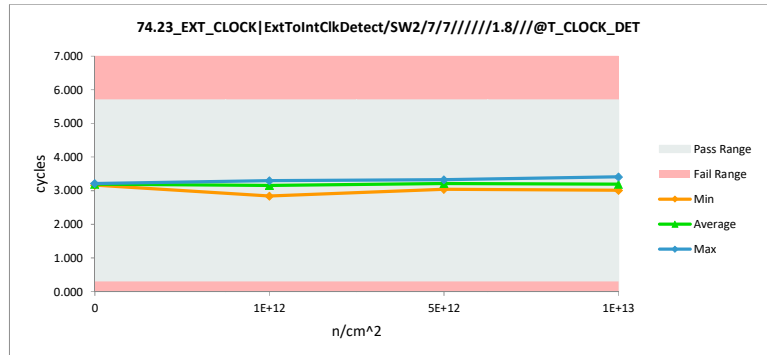


NDD Report
TPS7H4104-SP

74.23_EXT_CLOCK ExtToIntClkDetect/SW2/7/7/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.330	3.187	-0.143
0	2	3.077	3.165	0.088
0	3	3.230	3.218	-0.012
1E+12	10	3.193	3.222	0.029
1E+12	11	3.183	2.838	-0.345
1E+12	12	3.218	3.270	0.052
1E+12	13	3.153	3.294	0.141
5E+12	14	3.264	3.041	-0.223
5E+12	15	3.287	3.307	0.020
5E+12	16	3.298	3.325	0.027
5E+12	17	3.416	3.180	-0.235
1E+13	18	3.356	3.007	-0.349
1E+13	19	2.979	3.121	0.142
1E+13	20	3.226	3.410	0.184
1E+13	21	3.109	3.237	0.128
Max		3.416	3.410	0.184
Average		3.221	3.188	-0.033
Min		2.979	2.838	-0.349
Std Dev		0.113	0.143	0.180

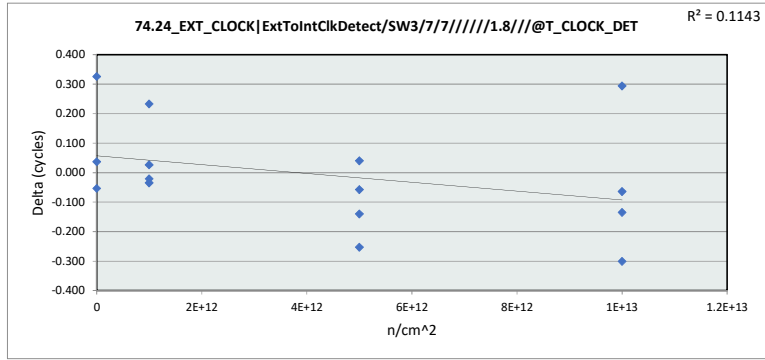


74.23_EXT_CLOCK ExtToIntClkDetect/SW2/7/7/				
Test Site				
Tester				
Test Number				
Max Limit		5.7	cycles	
Min Limit		0.3	cycles	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.165	2.838	3.041	3.007
Average	3.190	3.156	3.213	3.194
Max	3.218	3.294	3.325	3.410
UL	5.700	5.700	5.700	5.700

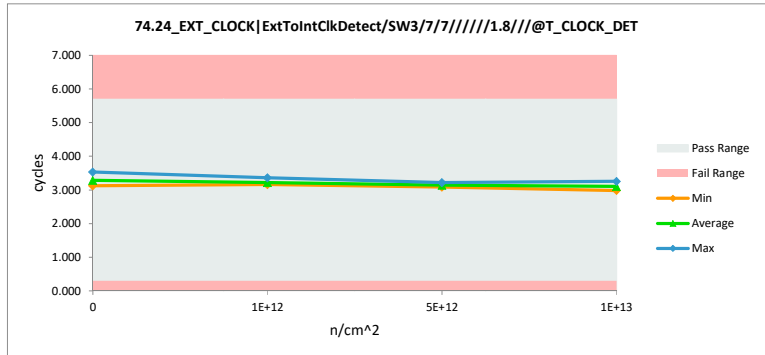


NDD Report
TPS7H4104-SP

74.24_EXT_CLOCK ExtToIntClkDetect/SW3/7/7/				
Test Site				
Tester				
Test Number				
Unit				
Max Limit		cycles	cycles	
Min Limit		6	5.7	
Min Limit		-0.78	0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.211	3.537	0.326
0	2	3.088	3.125	0.037
0	3	3.246	3.193	-0.053
1E+12	10	3.198	3.177	-0.021
1E+12	11	2.927	3.160	0.233
1E+12	12	3.338	3.364	0.026
1E+12	13	3.199	3.164	-0.034
5E+12	14	3.280	3.222	-0.058
5E+12	15	3.144	3.184	0.040
5E+12	16	3.226	3.086	-0.140
5E+12	17	3.335	3.083	-0.253
1E+13	18	3.362	3.061	-0.301
1E+13	19	2.958	3.253	0.294
1E+13	20	3.120	2.986	-0.135
1E+13	21	3.177	3.113	-0.064
	Max	3.362	3.537	0.326
	Average	3.187	3.181	-0.007
	Min	2.927	2.986	-0.301
	Std Dev	0.127	0.133	0.180

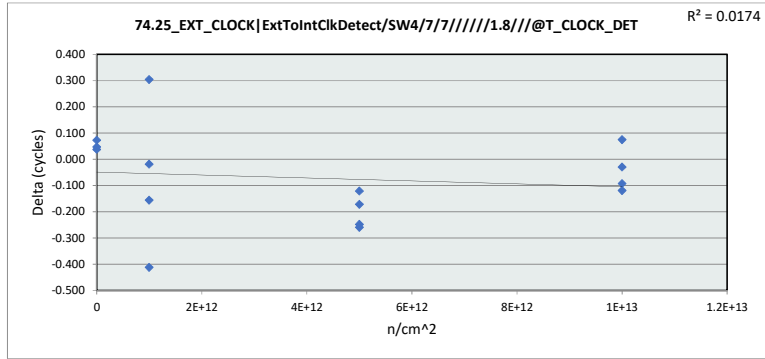


74.24_EXT_CLOCK ExtToIntClkDetect/SW3/7/7/				
Test Site				
Tester				
Test Number				
Max Limit	5.7	cycles		
Min Limit	0.3	cycles		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	3.125	3.160	3.083	2.986
Average	3.285	3.216	3.144	3.103
Max	3.537	3.364	3.222	3.253
UL	5.700	5.700	5.700	5.700

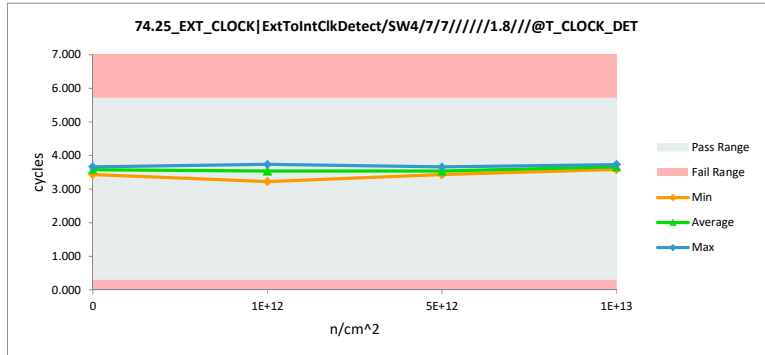


NDD Report
TPS7H4104-SP

74.25_EXT_CLOCK ExtToIntClkDetect/SW4/7/7/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.618	3.666	0.047
0	2	3.574	3.647	0.073
0	3	3.391	3.428	0.038
1E+12	10	3.638	3.226	-0.412
1E+12	11	3.714	3.558	-0.156
1E+12	12	3.426	3.730	0.305
1E+12	13	3.643	3.625	-0.019
5E+12	14	3.648	3.527	-0.122
5E+12	15	3.828	3.657	-0.171
5E+12	16	3.680	3.433	-0.248
5E+12	17	3.777	3.517	-0.260
1E+13	18	3.505	3.581	0.075
1E+13	19	3.761	3.731	-0.030
1E+13	20	3.763	3.644	-0.119
1E+13	21	3.782	3.689	-0.093
Max		3.828	3.731	0.305
Average		3.650	3.577	-0.073
Min		3.391	3.226	-0.412
Std Dev		0.131	0.136	0.173



74.25_EXT_CLOCK ExtToIntClkDetect/SW4/7/7/				
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	3.429	3.226	3.433	3.581
Average	3.580	3.535	3.533	3.661
Max	3.666	3.730	3.657	3.731
UL	5.700	5.700	5.700	5.700

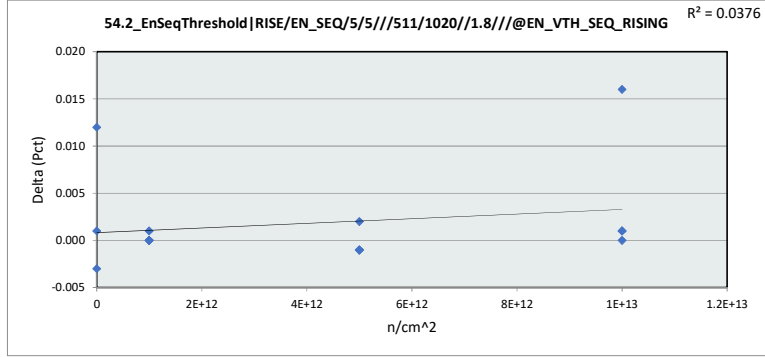


NDD Report
TPS7H4104-SP

54.2_EnSeqThreshold|RISE/EN_SEQ/5/5//511

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.8	0.799
Min Limit	0.5722	0.61

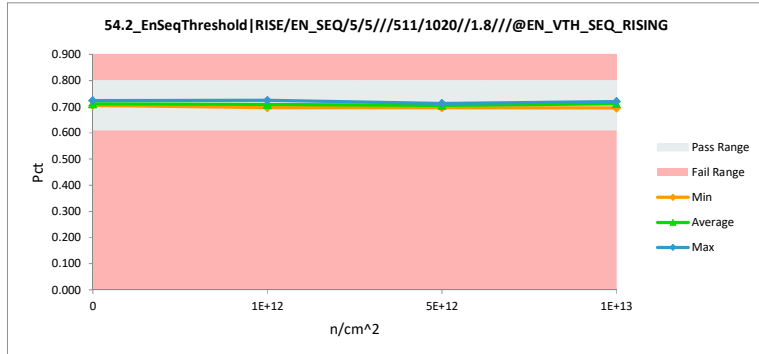
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.694	0.706	0.012
0	2	0.722	0.723	0.001
0	3	0.707	0.704	-0.003
1E+12	10	0.723	0.724	0.001
1E+12	11	0.708	0.708	0.000
1E+12	12	0.696	0.696	0.000
1E+12	13	0.707	0.707	0.000
5E+12	14	0.704	0.703	-0.001
5E+12	15	0.697	0.696	-0.001
5E+12	16	0.705	0.707	0.002
5E+12	17	0.713	0.712	-0.001
1E+13	18	0.718	0.719	0.001
1E+13	19	0.719	0.720	0.001
1E+13	20	0.695	0.711	0.016
1E+13	21	0.695	0.695	0.000
Max		0.723	0.724	0.016
Average		0.707	0.709	0.002
Min		0.694	0.695	-0.003
Std Dev		0.010	0.010	0.005



54.2_EnSeqThreshold|RISE/EN_SEQ/5/5//511

Test Site		
Tester		
Test Number		
Max Limit	0.799	Pct
Min Limit	0.61	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.610	0.610	0.610	0.610
Min	0.704	0.696	0.696	0.695
Average	0.711	0.709	0.705	0.712
Max	0.723	0.724	0.712	0.720
UL	0.799	0.799	0.799	0.799

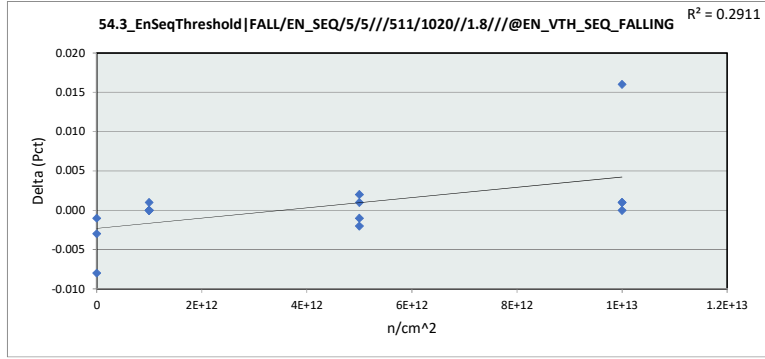


NDD Report
TPS7H4104-SP

54.3_EnSeqThreshold|FALL/EN_SEQ/5/5///511

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.3858	0.35
Min Limit	0.17	0.171

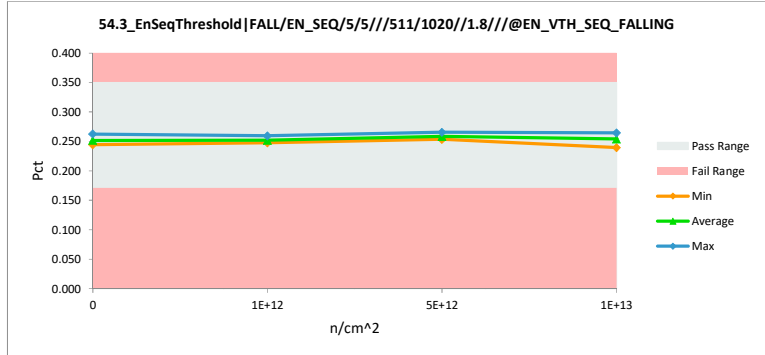
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.248	0.244	-0.003
0	2	0.264	0.262	-0.001
0	3	0.257	0.249	-0.008
1E+12	10	0.259	0.259	0.001
1E+12	11	0.252	0.252	0.000
1E+12	12	0.250	0.250	0.000
1E+12	13	0.248	0.248	0.000
5E+12	14	0.257	0.257	0.001
5E+12	15	0.255	0.254	-0.001
5E+12	16	0.264	0.266	0.002
5E+12	17	0.261	0.259	-0.002
1E+13	18	0.257	0.257	0.001
1E+13	19	0.264	0.264	0.000
1E+13	20	0.238	0.255	0.016
1E+13	21	0.238	0.240	0.001
Max		0.264	0.266	0.016
Average		0.254	0.254	0.000
Min		0.238	0.240	-0.008
Std Dev		0.008	0.008	0.005



54.3_EnSeqThreshold|FALL/EN_SEQ/5/5///511

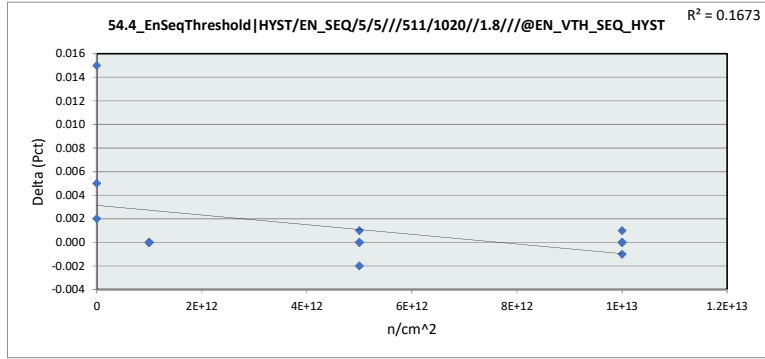
Test Site		
Tester		
Test Number		
Max Limit	0.35	Pct
Min Limit	0.171	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.171	0.171	0.171	0.171
Min	0.245	0.248	0.254	0.240
Average	0.252	0.252	0.259	0.254
Max	0.263	0.260	0.266	0.265
UL	0.350	0.350	0.350	0.350

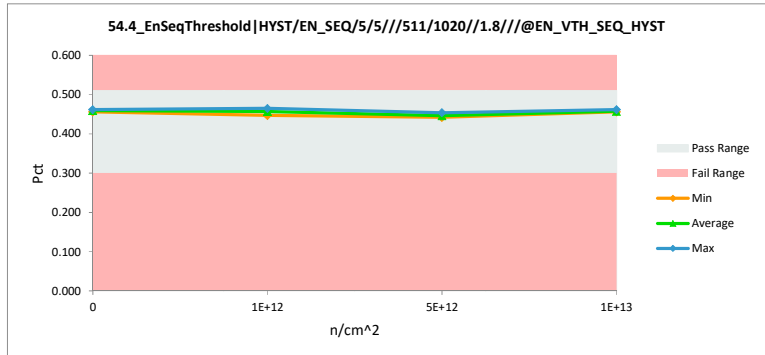


NDD Report
TPS7H4104-SP

54.4_EnSeqThreshold HYST/EN_SEQ/5/5///511				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.55	0.51	
Min Limit		0.26	0.3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.447	0.462	0.015
0	2	0.459	0.461	0.002
0	3	0.451	0.456	0.005
1E+12	10	0.465	0.465	0.000
1E+12	11	0.457	0.457	0.000
1E+12	12	0.447	0.447	0.000
1E+12	13	0.460	0.460	0.000
5E+12	14	0.448	0.446	-0.002
5E+12	15	0.443	0.443	0.000
5E+12	16	0.442	0.442	0.000
5E+12	17	0.453	0.454	0.001
1E+13	18	0.462	0.462	0.000
1E+13	19	0.455	0.456	0.001
1E+13	20	0.457	0.457	0.000
1E+13	21	0.457	0.456	-0.001
Max		0.465	0.465	0.015
Average		0.453	0.455	0.001
Min		0.442	0.442	-0.002
Std Dev		0.007	0.007	0.004

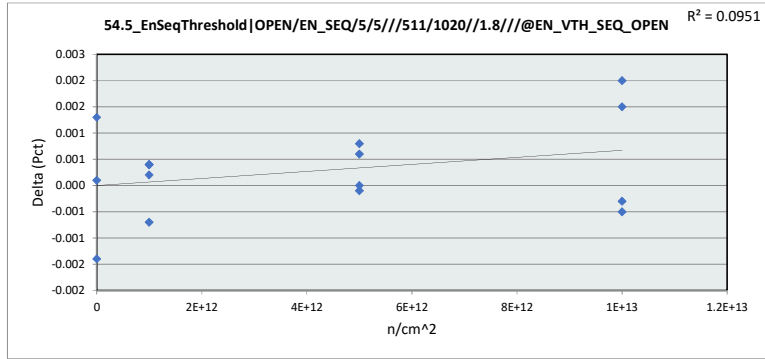


54.4_EnSeqThreshold HYST/EN_SEQ/5/5///511				
Test Site				
Tester				
Test Number				
Max Limit	0.51		Pct	
Min Limit	0.3		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.300	0.300	0.300	0.300
Min	0.456	0.447	0.442	0.456
Average	0.460	0.457	0.446	0.458
Max	0.462	0.465	0.454	0.462
UL	0.510	0.510	0.510	0.510

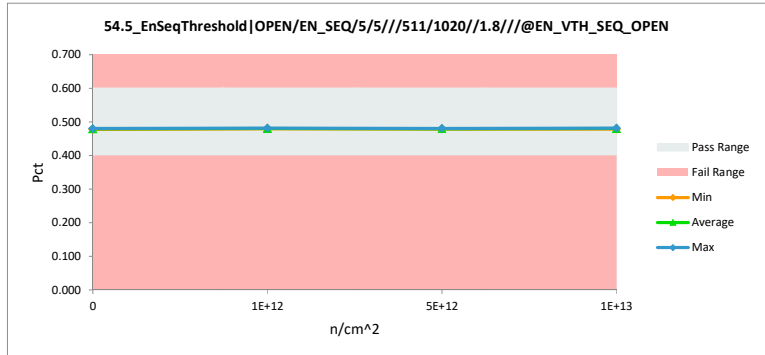


NDD Report
TPS7H4104-SP

54.5_EnSeqThreshold OPEN/EN_SEQ/5/5///511/1020//1.8///@EN_VTH_SEQ_OPEN				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.64	0.6	
Min Limit		0.36	0.4	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.479	0.478	-0.001
0	2	0.479	0.479	0.000
0	3	0.479	0.480	0.001
1E+12	10	0.480	0.479	-0.001
1E+12	11	0.479	0.479	0.000
1E+12	12	0.479	0.480	0.000
1E+12	13	0.481	0.481	0.000
5E+12	14	0.481	0.481	0.000
5E+12	15	0.478	0.479	0.001
5E+12	16	0.479	0.479	0.000
5E+12	17	0.479	0.479	0.001
1E+13	18	0.481	0.480	0.000
1E+13	19	0.477	0.479	0.002
1E+13	20	0.480	0.480	0.000
1E+13	21	0.480	0.481	0.001
Max		0.481	0.481	0.002
Average		0.479	0.480	0.000
Min		0.477	0.478	-0.001
Std Dev		0.001	0.001	0.001

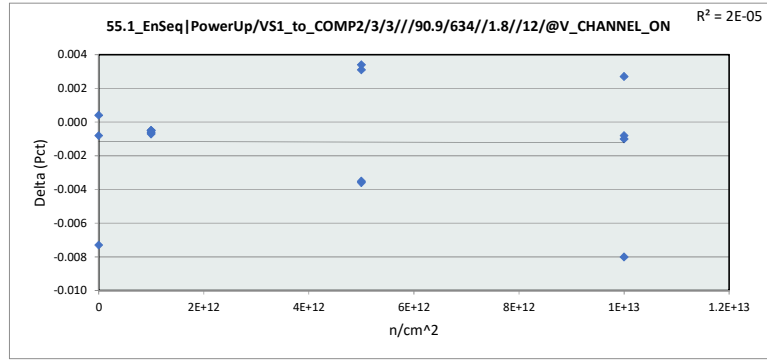


54.5_EnSeqThreshold OPEN/EN_SEQ/5/5///511/1020//1.8///@EN_VTH_SEQ_OPEN				
Test Site				
Tester				
Test Number				
Max Limit	0.6		Pct	
Min Limit	0.4		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.400	0.400	0.400	0.400
Min	0.478	0.480	0.479	0.479
Average	0.479	0.480	0.479	0.480
Max	0.480	0.481	0.481	0.481
UL	0.600	0.600	0.600	0.600

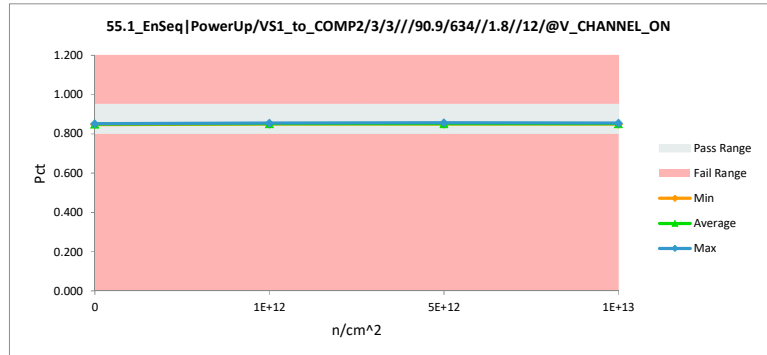


NDD Report TPS7H4104-SP

55.1_EnSeq PowerUp/VS1_to_COMP2/3/3///90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.98	0.95	
Min Limit		0.77	0.8	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.851	0.851	0.000
0	2	0.855	0.848	-0.007
0	3	0.852	0.851	-0.001
1E+12	10	0.855	0.854	-0.001
1E+12	11	0.852	0.851	-0.001
1E+12	12	0.851	0.851	-0.001
1E+12	13	0.850	0.850	-0.001
5E+12	14	0.854	0.857	0.003
5E+12	15	0.853	0.849	-0.004
5E+12	16	0.855	0.852	-0.003
5E+12	17	0.848	0.851	0.003
1E+13	18	0.851	0.850	-0.001
1E+13	19	0.858	0.850	-0.008
1E+13	20	0.852	0.855	0.003
1E+13	21	0.852	0.851	-0.001
Max		0.858	0.857	0.003
Average		0.852	0.851	-0.001
Min		0.848	0.848	-0.008
Std Dev		0.002	0.002	0.003

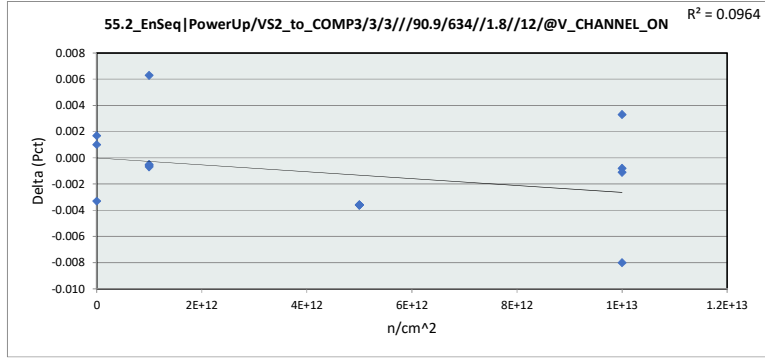


55.1_EnSeq PowerUp/VS1_to_COMP2/3/3///90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Max Limit	0.95		Pct	
Min Limit	0.8		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.800	0.800	0.800	0.800
Min	0.848	0.850	0.849	0.850
Average	0.850	0.851	0.852	0.851
Max	0.851	0.854	0.857	0.855
UL	0.950	0.950	0.950	0.950

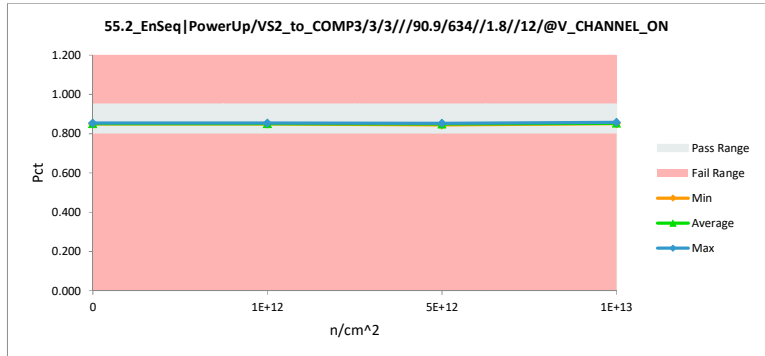


NDD Report
TPS7H4104-SP

55.2_EnSeq PowerUp/Vs2_to_COMP3/3/3//90				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.98	0.95	
Min Limit		0.77	0.8	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.853	0.850	-0.003
0	2	0.852	0.854	0.002
0	3	0.849	0.850	0.001
1E+12	10	0.848	0.855	0.006
1E+12	11	0.852	0.851	-0.001
1E+12	12	0.851	0.851	-0.001
1E+12	13	0.850	0.850	-0.001
5E+12	14	0.853	0.849	-0.004
5E+12	15	0.854	0.850	-0.004
5E+12	16	0.857	0.853	-0.004
5E+12	17	0.848	0.844	-0.004
1E+13	18	0.859	0.858	-0.001
1E+13	19	0.858	0.850	-0.008
1E+13	20	0.851	0.855	0.003
1E+13	21	0.851	0.850	-0.001
Max		0.859	0.858	0.006
Average		0.853	0.851	-0.001
Min		0.848	0.844	-0.008
Std Dev		0.003	0.003	0.003

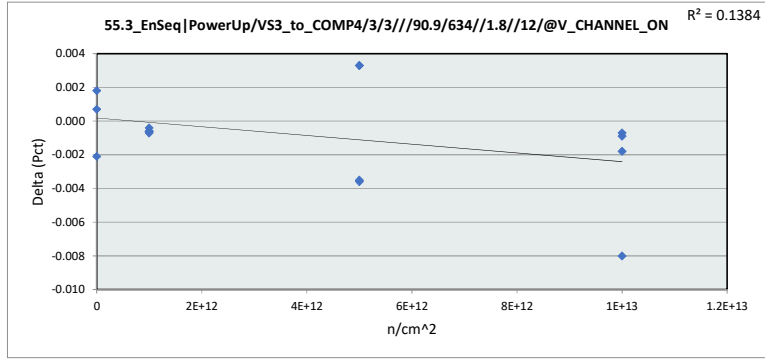


55.2_EnSeq PowerUp/Vs2_to_COMP3/3/3//90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Max Limit	0.95		Pct	
Min Limit	0.8		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.800	0.800	0.800	0.800
Min	0.850	0.850	0.844	0.850
Average	0.851	0.852	0.849	0.853
Max	0.854	0.855	0.853	0.858
UL	0.950	0.950	0.950	0.950

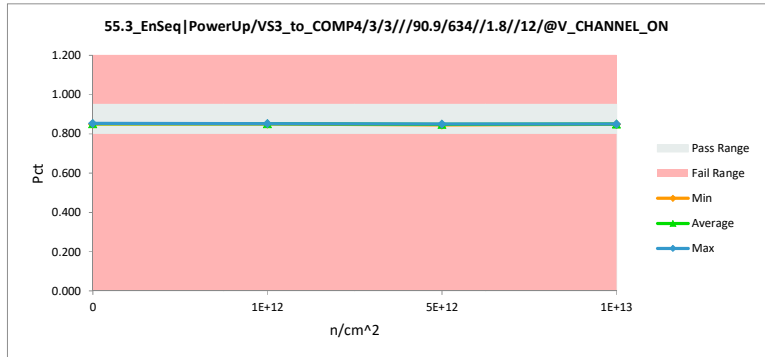


NDD Report
TPS7H4104-SP

55.3_EnSeq PowerUp/VS3_to_COMP4/3/3//90				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.98	0.95	
Min Limit		0.77	0.8	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.852	0.850	-0.002
0	2	0.853	0.853	0.001
0	3	0.850	0.851	0.002
1E+12	10	0.853	0.853	0.000
1E+12	11	0.852	0.852	-0.001
1E+12	12	0.851	0.851	-0.001
1E+12	13	0.852	0.851	-0.001
5E+12	14	0.853	0.849	-0.004
5E+12	15	0.854	0.851	-0.003
5E+12	16	0.842	0.845	0.003
5E+12	17	0.847	0.850	0.003
1E+13	18	0.851	0.850	-0.001
1E+13	19	0.859	0.851	-0.008
1E+13	20	0.851	0.849	-0.002
1E+13	21	0.851	0.850	-0.001
	Max	0.859	0.853	0.003
	Average	0.851	0.850	-0.001
	Min	0.842	0.845	-0.008
	Std Dev	0.004	0.002	0.003



55.3_EnSeq PowerUp/VS3_to_COMP4/3/3//90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Max Limit	0.95		Pct	
Min Limit	0.8		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.800	0.800	0.800	0.800
Min	0.850	0.851	0.845	0.849
Average	0.851	0.852	0.849	0.850
Max	0.853	0.853	0.851	0.851
UL	0.950	0.950	0.950	0.950

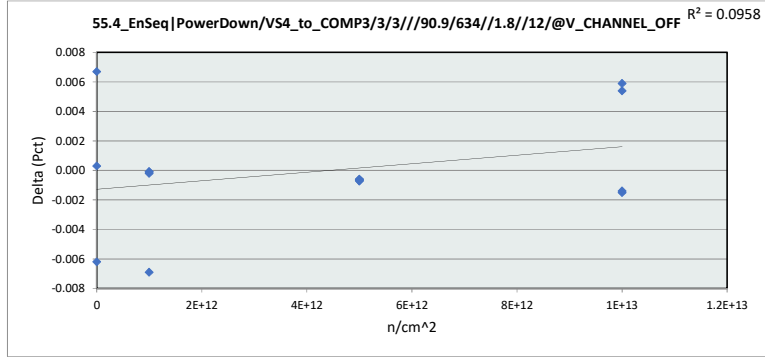


NDD Report
TPS7H4104-SP

55.4_EnSeq|PowerDown/V\$4_to_COMP3/3/3//

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.2	0.18
Min Limit	0.06	0.08

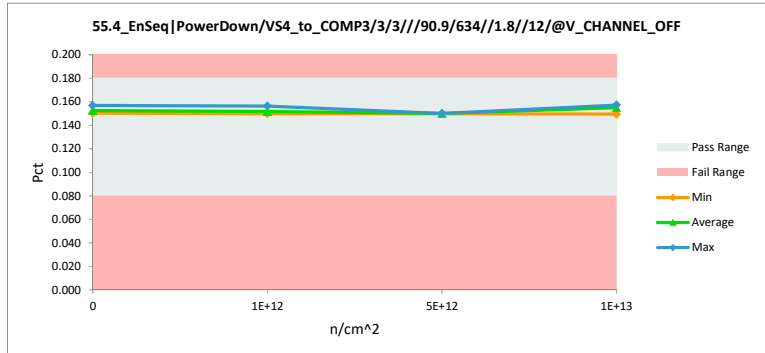
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.150	0.157	0.007
0	2	0.157	0.151	-0.006
0	3	0.150	0.150	0.000
1E+12	10	0.150	0.150	0.000
1E+12	11	0.157	0.150	-0.007
1E+12	12	0.150	0.150	0.000
1E+12	13	0.156	0.156	0.000
5E+12	14	0.150	0.150	-0.001
5E+12	15	0.150	0.150	-0.001
5E+12	16	0.151	0.150	-0.001
5E+12	17	0.151	0.150	-0.001
1E+13	18	0.151	0.149	-0.001
1E+13	19	0.158	0.156	-0.002
1E+13	20	0.151	0.157	0.006
1E+13	21	0.151	0.157	0.005
Max		0.158	0.157	0.007
Average		0.152	0.152	0.000
Min		0.150	0.149	-0.007
Std Dev		0.003	0.003	0.004



55.4_EnSeq|PowerDown/V\$4_to_C

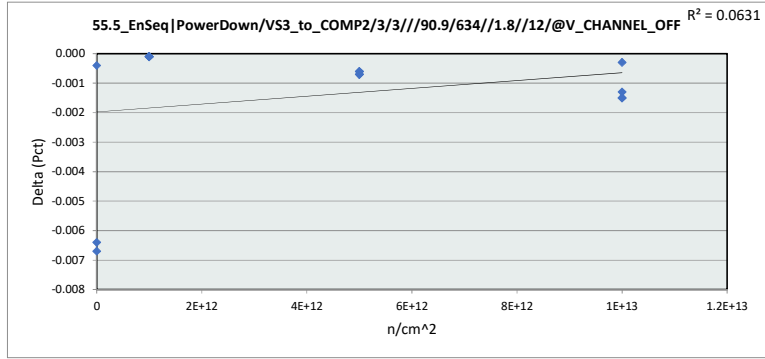
Test Site		
Tester		
Test Number		
Max Limit	0.18	Pct
Min Limit	0.08	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.149
Average	0.153	0.152	0.150	0.155
Max	0.157	0.156	0.150	0.157
UL	0.180	0.180	0.180	0.180

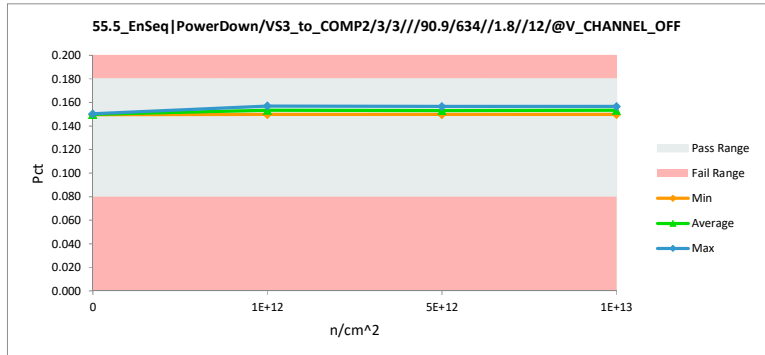


NDD Report
TPS7H4104-SP

55.5_EnSeq PowerDown/V33_to_COMP2/3/3//				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.2	0.18	
Min Limit		0.06	0.08	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.150	0.150	0.000
0	2	0.157	0.150	-0.007
0	3	0.156	0.150	-0.006
1E+12	10	0.157	0.157	0.000
1E+12	11	0.157	0.157	0.000
1E+12	12	0.150	0.150	0.000
1E+12	13	0.150	0.150	0.000
5E+12	14	0.157	0.156	-0.001
5E+12	15	0.157	0.157	-0.001
5E+12	16	0.151	0.150	-0.001
5E+12	17	0.150	0.150	-0.001
1E+13	18	0.158	0.156	-0.002
1E+13	19	0.158	0.157	-0.001
1E+13	20	0.151	0.151	0.000
1E+13	21	0.151	0.150	-0.001
Max		0.158	0.157	0.000
Average		0.154	0.153	-0.001
Min		0.150	0.150	-0.007
Std Dev		0.004	0.003	0.002



55.5_EnSeq PowerDown/V33_to_COMP2/3/3//90.9/634//1.8//12/@V_CHANNEL_OFF				
Test Site				
Tester				
Test Number				
Max Limit	0.18		Pct	
Min Limit	0.08		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.080	0.080	0.080	0.080
Min	0.150	0.150	0.150	0.150
Average	0.150	0.153	0.153	0.153
Max	0.150	0.157	0.157	0.157
UL	0.180	0.180	0.180	0.180

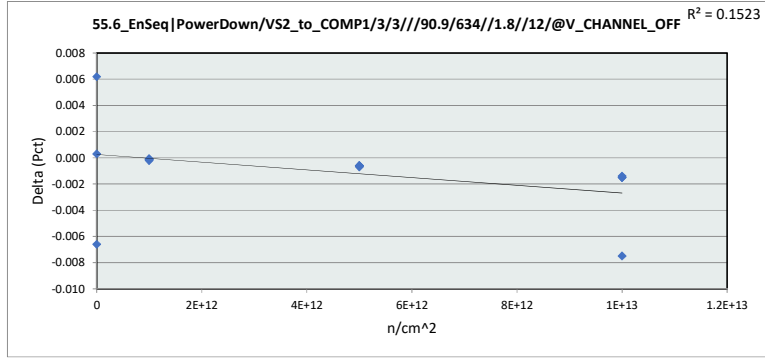


NDD Report
TPS7H4104-SP

55.6_EnSeq|PowerDown/V_S2_to_COMP1/3/3//

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.2	0.18
Min Limit	0.06	0.08

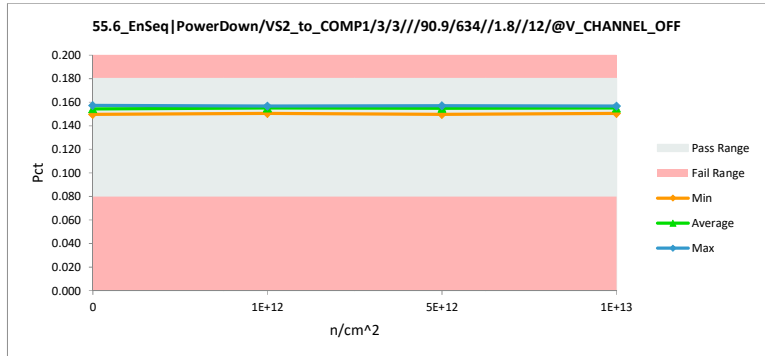
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.150	0.156	0.006
0	2	0.157	0.157	0.000
0	3	0.156	0.150	-0.007
1E+12	10	0.151	0.150	0.000
1E+12	11	0.157	0.157	0.000
1E+12	12	0.157	0.157	0.000
1E+12	13	0.157	0.156	0.000
5E+12	14	0.157	0.156	-0.001
5E+12	15	0.157	0.157	-0.001
5E+12	16	0.158	0.157	-0.001
5E+12	17	0.150	0.150	-0.001
1E+13	18	0.158	0.157	-0.001
1E+13	19	0.158	0.156	-0.002
1E+13	20	0.158	0.150	-0.008
1E+13	21	0.158	0.157	-0.001
Max		0.158	0.157	0.006
Average		0.156	0.155	-0.001
Min		0.150	0.150	-0.008
Std Dev		0.003	0.003	0.003



55.6_EnSeq|PowerDown/V_S2_to_C

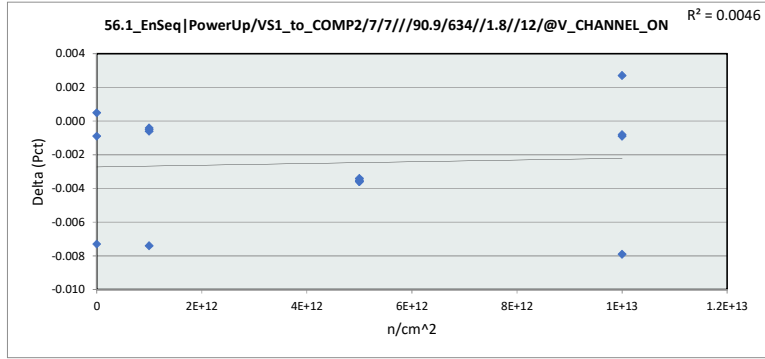
Test Site		
Tester		
Test Number		
Max Limit	0.18	Pct
Min Limit	0.08	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.080	0.080	0.080	0.080
Min	0.150	0.151	0.150	0.151
Average	0.154	0.155	0.155	0.155
Max	0.157	0.157	0.157	0.157
UL	0.180	0.180	0.180	0.180

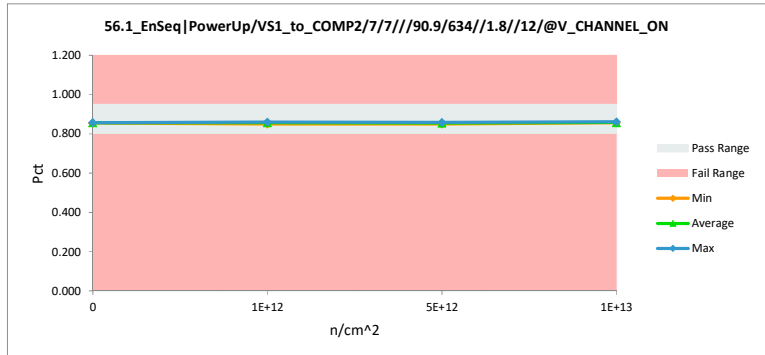


NDD Report
TPS7H4104-SP

56.1_EnSeq PowerUp VS1_to_COMP2 7 7 //90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.98	0.95	
Min Limit		0.77	0.8	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.857	0.858	0.000
0	2	0.861	0.854	-0.007
0	3	0.858	0.857	-0.001
1E+12	10	0.861	0.861	-0.001
1E+12	11	0.858	0.851	-0.007
1E+12	12	0.858	0.857	0.000
1E+12	13	0.857	0.856	-0.001
5E+12	14	0.860	0.856	-0.004
5E+12	15	0.859	0.856	-0.004
5E+12	16	0.862	0.858	-0.004
5E+12	17	0.854	0.851	-0.003
1E+13	18	0.857	0.856	-0.001
1E+13	19	0.864	0.856	-0.008
1E+13	20	0.858	0.861	0.003
1E+13	21	0.858	0.858	-0.001
Max		0.864	0.861	0.003
Average		0.859	0.856	-0.003
Min		0.854	0.851	-0.008
Std Dev		0.002	0.003	0.003

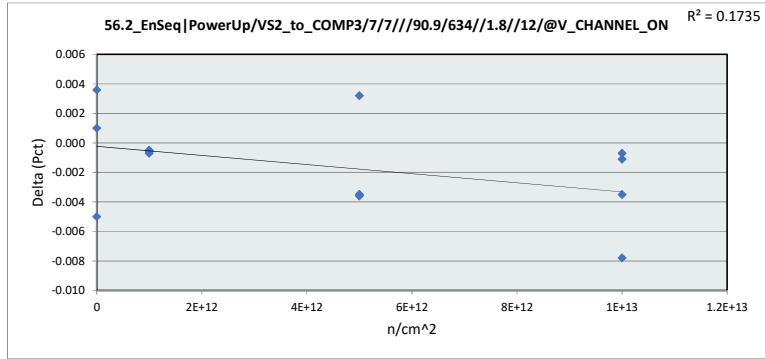


56.1_EnSeq PowerUp VS1_to_COMP2 7 7 //90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Max Limit	0.95		Pct	
Min Limit	0.8		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.800	0.800	0.800	0.800
Min	0.854	0.851	0.851	0.856
Average	0.856	0.856	0.855	0.858
Max	0.858	0.861	0.858	0.861
UL	0.950	0.950	0.950	0.950

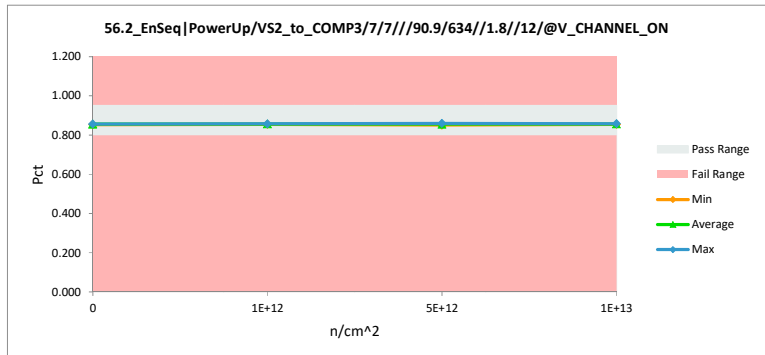


NDD Report
TPS7H4104-SP

56.2_EnSeq PowerUp/Vs2_to_COMP3/7/7///90				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.98	0.95	
Min Limit		0.77	0.8	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.853	0.856	0.004
0	2	0.859	0.854	-0.005
0	3	0.856	0.857	0.001
1E+12	10	0.855	0.854	0.000
1E+12	11	0.858	0.858	-0.001
1E+12	12	0.858	0.857	0.000
1E+12	13	0.857	0.856	-0.001
5E+12	14	0.859	0.855	-0.003
5E+12	15	0.861	0.857	-0.004
5E+12	16	0.857	0.860	0.003
5E+12	17	0.854	0.850	-0.004
1E+13	18	0.866	0.858	-0.008
1E+13	19	0.858	0.857	-0.001
1E+13	20	0.858	0.854	-0.003
1E+13	21	0.858	0.857	-0.001
	Max	0.866	0.860	0.004
	Average	0.858	0.856	-0.002
	Min	0.853	0.850	-0.008
	Std Dev	0.003	0.002	0.003

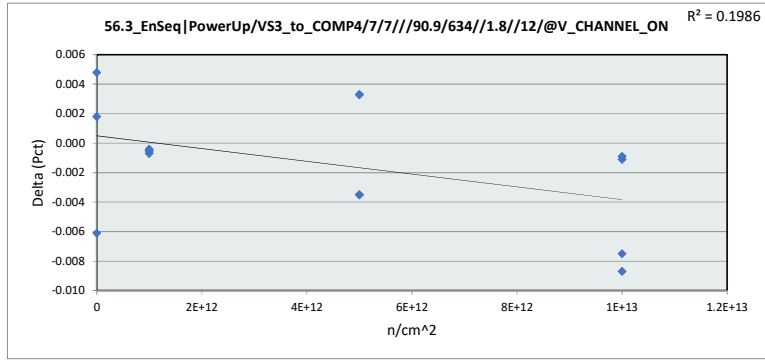


56.2_EnSeq PowerUp/Vs2_to_COMP3/7/7///90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Max Limit	0.95		Pct	
Min Limit	0.8		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.800	0.800	0.800	0.800
Min	0.854	0.854	0.850	0.854
Average	0.855	0.856	0.856	0.856
Max	0.857	0.858	0.860	0.858
UL	0.950	0.950	0.950	0.950

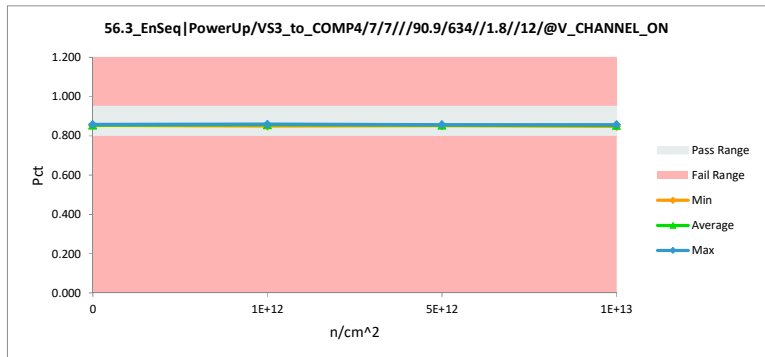


NDD Report
TPS7H4104-SP

56.3_EnSeq PowerUp/V53_to_COMP4/7/7///90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		0.98	0.95	
Min Limit		0.77	0.8	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.851	0.856	0.005
0	2	0.859	0.853	-0.006
0	3	0.856	0.858	0.002
1E+12	10	0.860	0.859	0.000
1E+12	11	0.859	0.858	0.000
1E+12	12	0.851	0.850	-0.001
1E+12	13	0.858	0.858	-0.001
5E+12	14	0.859	0.856	-0.003
5E+12	15	0.861	0.857	-0.003
5E+12	16	0.849	0.852	0.003
5E+12	17	0.854	0.857	0.003
1E+13	18	0.858	0.857	-0.001
1E+13	19	0.858	0.857	-0.001
1E+13	20	0.857	0.849	-0.009
1E+13	21	0.857	0.850	-0.007
Max		0.861	0.859	0.005
Average		0.856	0.855	-0.001
Min		0.849	0.849	-0.009
Std Dev		0.004	0.003	0.004



56.3_EnSeq PowerUp/V53_to_COMP4/7/7///90.9/634//1.8//12/@V_CHANNEL_ON				
Test Site				
Tester				
Test Number				
Max Limit	0.95		Pct	
Min Limit	0.8		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.800	0.800	0.800	0.800
Min	0.853	0.850	0.852	0.849
Average	0.856	0.856	0.855	0.853
Max	0.858	0.859	0.857	0.857
UL	0.950	0.950	0.950	0.950

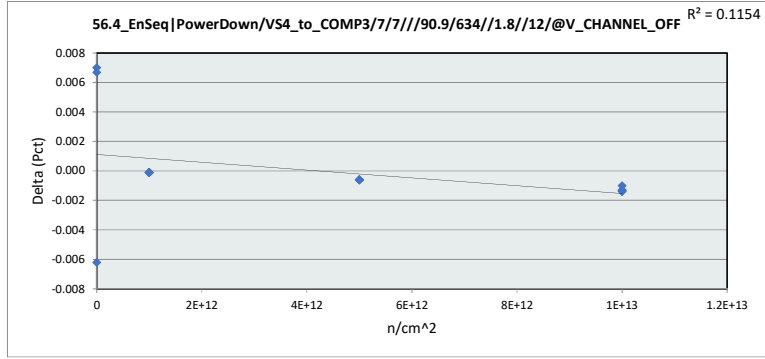


NDD Report
TPS7H4104-SP

56.4_EnSeq|PowerDown/VS4_to_COMP3/7/7//

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.2	0.18
Min Limit	0.06	0.08

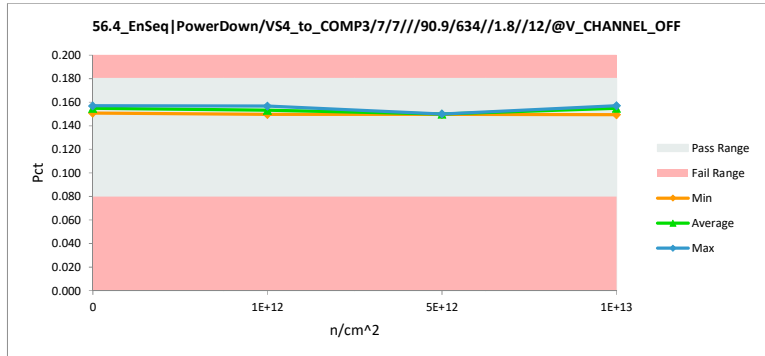
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.150	0.157	0.007
0	2	0.157	0.151	-0.006
0	3	0.150	0.157	0.007
1E+12	10	0.150	0.150	0.000
1E+12	11	0.157	0.157	0.000
1E+12	12	0.150	0.150	0.000
1E+12	13	0.156	0.156	0.000
5E+12	14	0.150	0.150	-0.001
5E+12	15	0.150	0.150	-0.001
5E+12	16	0.151	0.150	-0.001
5E+12	17	0.150	0.150	-0.001
1E+13	18	0.151	0.149	-0.001
1E+13	19	0.158	0.156	-0.001
1E+13	20	0.158	0.157	-0.001
1E+13	21	0.158	0.157	-0.001
Max		0.158	0.157	0.007
Average		0.153	0.153	0.000
Min		0.150	0.149	-0.006
Std Dev		0.004	0.004	0.003



56.4_EnSeq|PowerDown/VS4_to_C

Test Site		
Tester		
Test Number		
Max Limit	0.18	Pct
Min Limit	0.08	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.080	0.080	0.080	0.080
Min	0.151	0.150	0.150	0.149
Average	0.155	0.153	0.150	0.155
Max	0.157	0.157	0.150	0.157
UL	0.180	0.180	0.180	0.180

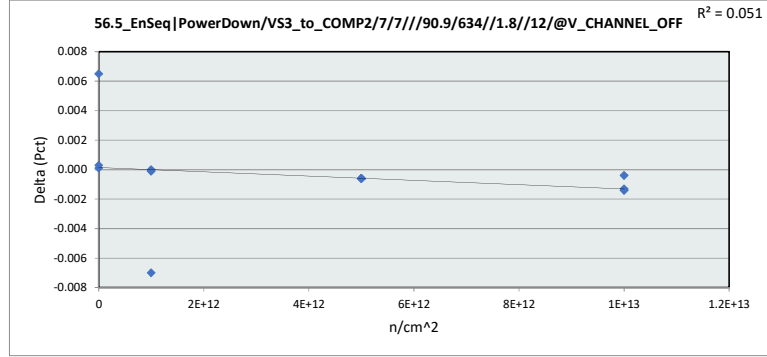


NDD Report
TPS7H4104-SP

56.5_EnSeq|PowerDown/V_S3_to_COMP2/7/7//

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.2	0.18
Min Limit	0.06	0.08

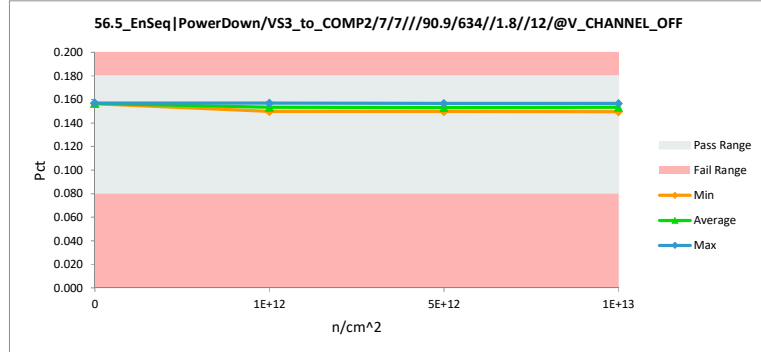
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.150	0.156	0.006
0	2	0.157	0.157	0.000
0	3	0.156	0.157	0.000
1E+12	10	0.157	0.157	0.000
1E+12	11	0.157	0.157	0.000
1E+12	12	0.150	0.150	0.000
1E+12	13	0.157	0.150	-0.007
5E+12	14	0.157	0.156	-0.001
5E+12	15	0.157	0.157	-0.001
5E+12	16	0.151	0.150	-0.001
5E+12	17	0.150	0.150	-0.001
1E+13	18	0.158	0.156	-0.001
1E+13	19	0.158	0.157	-0.001
1E+13	20	0.151	0.151	0.000
1E+13	21	0.151	0.150	-0.001
Max		0.158	0.157	0.006
Average		0.154	0.154	0.000
Min		0.150	0.150	-0.007
Std Dev		0.003	0.003	0.003



56.5_EnSeq|PowerDown/V_S3_to_C

Test Site		
Tester		
Test Number		
Max Limit	0.18	Pct
Min Limit	0.08	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.080	0.080	0.080	0.080
Min	0.156	0.150	0.150	0.150
Average	0.157	0.153	0.153	0.153
Max	0.157	0.157	0.157	0.157
UL	0.180	0.180	0.180	0.180

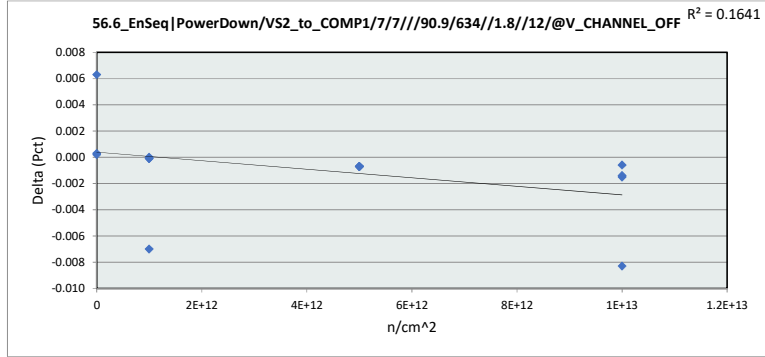


NDD Report
TPS7H4104-SP

56.6_EnSeq|PowerDown/V_S2_to_COMP1/7/7//

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.2	0.18
Min Limit	0.06	0.08

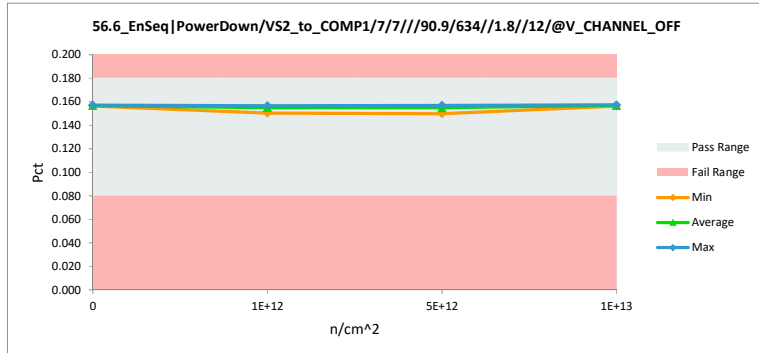
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.150	0.156	0.006
0	2	0.157	0.157	0.000
0	3	0.156	0.156	0.000
1E+12	10	0.157	0.150	-0.007
1E+12	11	0.157	0.157	0.000
1E+12	12	0.157	0.157	0.000
1E+12	13	0.156	0.156	0.000
5E+12	14	0.157	0.156	-0.001
5E+12	15	0.157	0.156	-0.001
5E+12	16	0.158	0.157	-0.001
5E+12	17	0.150	0.150	-0.001
1E+13	18	0.165	0.157	-0.008
1E+13	19	0.158	0.156	-0.002
1E+13	20	0.158	0.157	-0.001
1E+13	21	0.158	0.156	-0.001
Max		0.165	0.157	0.006
Average		0.157	0.156	-0.001
Min		0.150	0.150	-0.008
Std Dev		0.003	0.002	0.003



56.6_EnSeq|PowerDown/V_S2_to_C

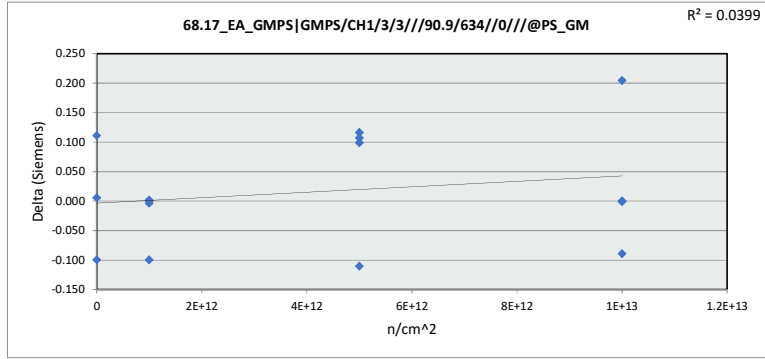
Test Site		
Tester		
Test Number		
Max Limit	0.18	Pct
Min Limit	0.08	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.080	0.080	0.080	0.080
Min	0.156	0.150	0.150	0.156
Average	0.157	0.155	0.155	0.157
Max	0.157	0.157	0.157	0.157
UL	0.180	0.180	0.180	0.180

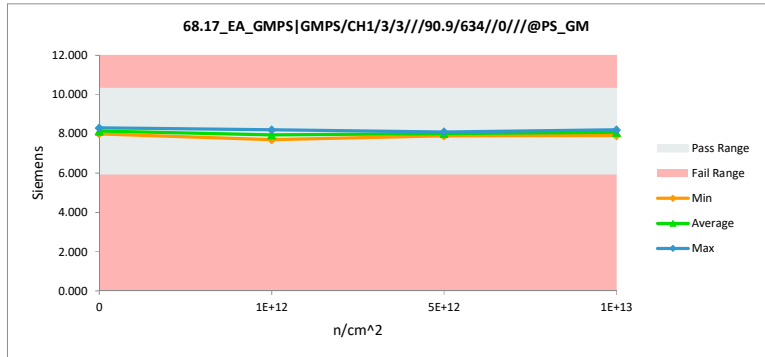


NDD Report
TPS7H4104-SP

68.17_EA_GMPS GMPS/CH1/3/3///90.9/634//				
Test Site				
Tester				
Test Number				
Unit	Siemens	Siemens		
Max Limit	10.46	10.31		
Min Limit	5.78	5.93		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	8.000	8.111	0.111
0	2	8.104	8.004	-0.100
0	3	8.295	8.301	0.006
1E+12	10	7.804	7.800	-0.004
1E+12	11	8.095	8.097	0.002
1E+12	12	8.300	8.201	-0.100
1E+12	13	7.702	7.703	0.000
5E+12	14	7.898	7.998	0.099
5E+12	15	8.012	7.902	-0.110
5E+12	16	7.894	8.011	0.116
5E+12	17	7.993	8.101	0.107
1E+13	18	8.000	8.000	0.000
1E+13	19	8.203	8.202	-0.001
1E+13	20	7.995	7.905	-0.089
1E+13	21	7.995	8.199	0.205
Max		8.300	8.301	0.205
Average		8.019	8.036	0.016
Min		7.702	7.703	-0.110
Std Dev		0.165	0.163	0.095



68.17_EA_GMPS GMPS/CH1/3/3//				
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	8.004	7.703	7.902	7.906
Average	8.139	7.950	8.003	8.077
Max	8.301	8.201	8.101	8.202
UL	10.310	10.310	10.310	10.310

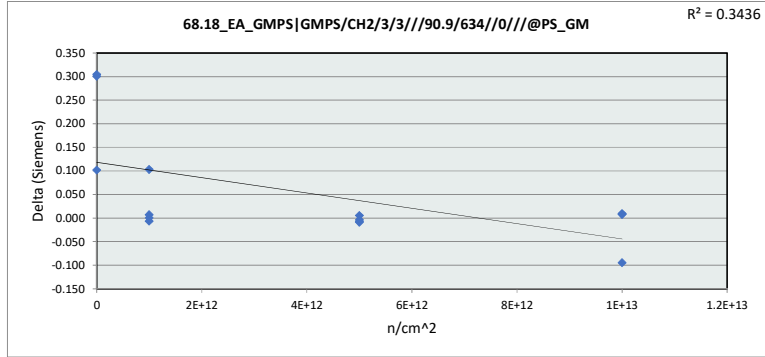


NDD Report TPS7H4104-SP

68.18_EA_GMPS|GMPS/CH2/3/3//90.9/634//

Test Site		
Tester		
Test Number		
Unit	Siemens	Siemens
Max Limit	10.46	10.31
Min Limit	5.78	5.93

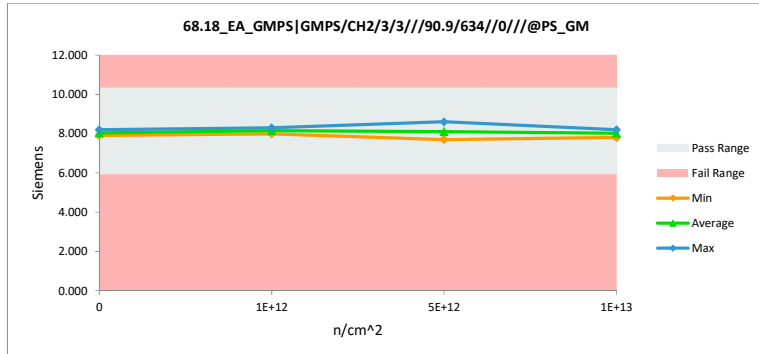
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	7.697	7.998	0.301
0	2	7.800	7.902	0.102
0	3	7.896	8.201	0.305
1E+12	10	8.196	8.203	0.007
1E+12	11	8.001	7.995	-0.006
1E+12	12	8.103	8.103	0.000
1E+12	13	8.192	8.295	0.103
5E+12	14	7.696	7.701	0.006
5E+12	15	8.004	8.000	-0.003
5E+12	16	8.103	8.097	-0.006
5E+12	17	8.608	8.600	-0.009
1E+13	18	7.993	7.899	-0.094
1E+13	19	7.796	7.805	0.010
1E+13	20	8.195	8.203	0.008
1E+13	21	8.193	8.202	0.008
	Max	8.608	8.600	0.305
	Average	8.031	8.080	0.049
	Min	7.696	7.701	-0.094
	Std Dev	0.240	0.221	0.113



68.18_EA_GMPS|GMPS/CH2/3/3//

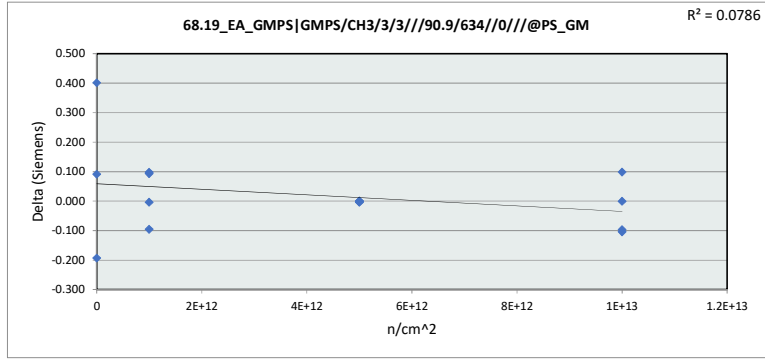
Test Site		
Tester		
Test Number		
Max Limit	10.31	Siemens
Min Limit	5.93	Siemens

n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	7.902	7.995	7.701	7.805
Average	8.033	8.149	8.100	8.027
Max	8.201	8.296	8.600	8.203
UL	10.310	10.310	10.310	10.310

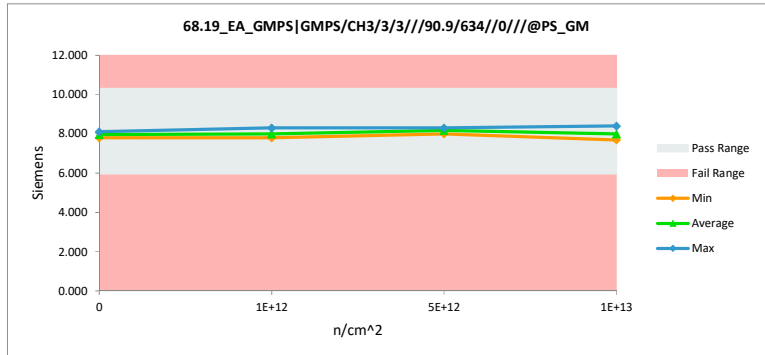


NDD Report
TPS7H4104-SP

68.19_EA_GMPS GMPS/CH3/3/3//90.9/634//				
Test Site				
Tester				
Test Number				
Unit		Siemens	Siemens	
Max Limit		10.46	10.31	
Min Limit		5.78	5.93	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	7.704	8.105	0.401
0	2	7.906	7.997	0.091
0	3	7.998	7.805	-0.193
1E+12	10	7.799	7.897	0.098
1E+12	11	8.100	8.004	-0.096
1E+12	12	8.305	8.301	-0.004
1E+12	13	7.703	7.796	0.093
5E+12	14	8.001	8.001	0.000
5E+12	15	8.208	8.204	-0.004
5E+12	16	8.303	8.300	-0.003
5E+12	17	8.201	8.201	0.000
1E+13	18	7.695	7.695	0.000
1E+13	19	7.800	7.704	-0.097
1E+13	20	8.299	8.195	-0.104
1E+13	21	8.299	8.398	0.099
	Max	8.305	8.398	0.401
	Average	8.021	8.040	0.019
	Min	7.695	7.695	-0.193
	Std Dev	0.240	0.226	0.136



68.19_EA_GMPS GMPS/CH3/3/3//				
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	7.805	7.796	8.001	7.695
Average	7.969	8.000	8.177	7.998
Max	8.105	8.301	8.300	8.398
UL	10.310	10.310	10.310	10.310

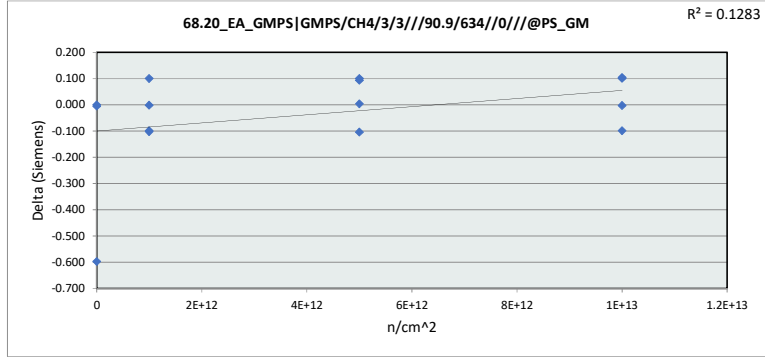


NDD Report
TPS7H4104-SP

68.20_EA_GMPS|GMPS/CH4/3/3///90.9/634//

Test Site		
Tester		
Test Number		
Unit	Siemens	Siemens
Max Limit	10.46	10.31
Min Limit	5.78	5.93

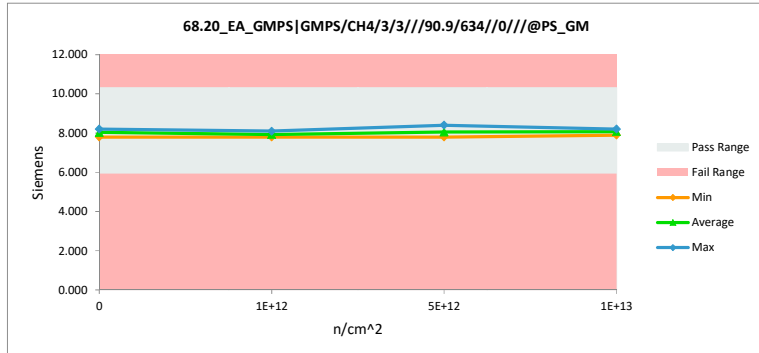
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	8.101	8.101	0.000
0	2	8.400	7.802	-0.598
0	3	8.204	8.199	-0.005
1E+12	10	7.902	7.800	-0.102
1E+12	11	7.997	8.097	0.100
1E+12	12	7.996	7.897	-0.098
1E+12	13	7.899	7.899	-0.001
5E+12	14	7.999	8.093	0.094
5E+12	15	7.699	7.800	0.101
5E+12	16	8.402	8.405	0.004
5E+12	17	8.003	7.900	-0.104
1E+13	18	7.998	7.900	-0.098
1E+13	19	8.098	8.096	-0.002
1E+13	20	8.100	8.201	0.102
1E+13	21	7.999	8.104	0.105
	Max	8.402	8.405	0.105
	Average	8.053	8.020	-0.034
	Min	7.699	7.800	-0.598
	Std Dev	0.181	0.179	0.176



68.20_EA_GMPS|GMPS/CH4/3/3//

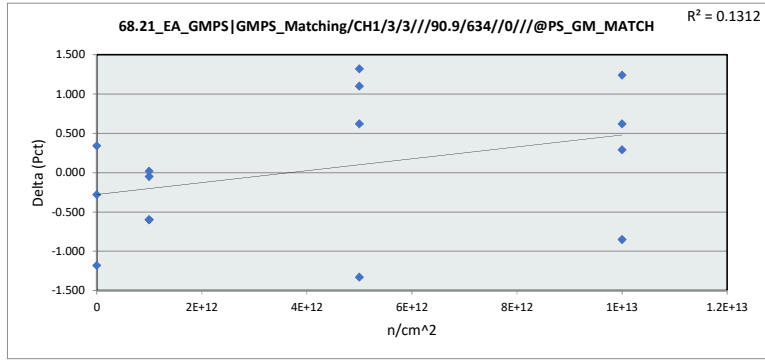
Test Site		
Tester		
Test Number		
Max Limit	10.31	Siemens
Min Limit	5.93	Siemens

n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	7.803	7.800	7.800	7.900
Average	8.034	7.923	8.050	8.075
Max	8.199	8.097	8.405	8.201
UL	10.310	10.310	10.310	10.310

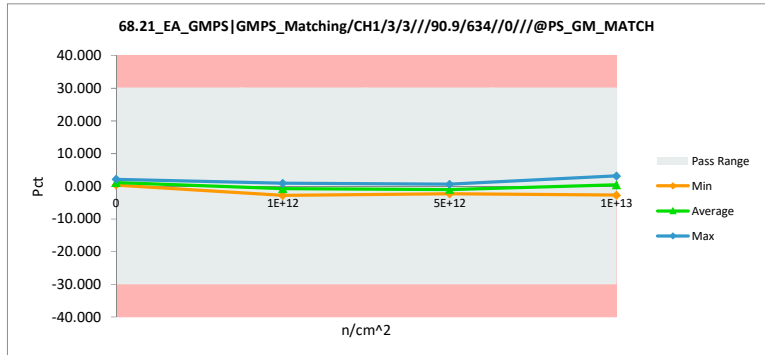


NDD Report
TPS7H4104-SP

68.21_EA_GMPS GMPS_Matching/CH1/3/3///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.580	0.400	-1.180
0	2	0.640	0.980	0.340
0	3	2.430	2.150	-0.280
1E+12	10	-1.530	-1.580	-0.050
1E+12	11	0.580	0.600	0.020
1E+12	12	1.520	0.920	-0.600
1E+12	13	-2.180	-2.780	-0.600
5E+12	14	0.000	0.620	0.620
5E+12	15	0.390	-0.940	-1.330
5E+12	16	-3.440	-2.340	1.100
5E+12	17	-2.540	-1.220	1.320
1E+13	18	0.990	1.610	0.620
1E+13	19	2.860	3.150	0.290
1E+13	20	-1.870	-2.720	-0.850
1E+13	21	-1.560	-0.320	1.240
Max		2.860	3.150	1.320
Average		-0.142	-0.098	0.044
Min		-3.440	-2.780	-1.330
Std Dev		1.923	1.798	0.850

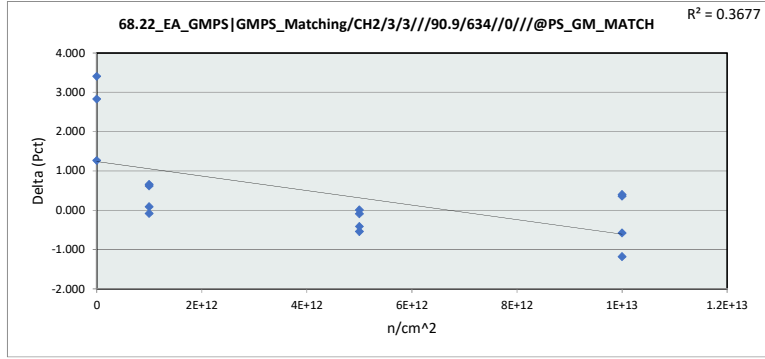


68.21_EA_GMPS GMPS_Matching/CH1/3/3///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30		Pct	
Min Limit	-30		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	0.400	-2.780	-2.340	-2.720
Average	1.177	-0.710	-0.970	0.430
Max	2.150	0.920	0.620	3.150
UL	30.000	30.000	30.000	30.000

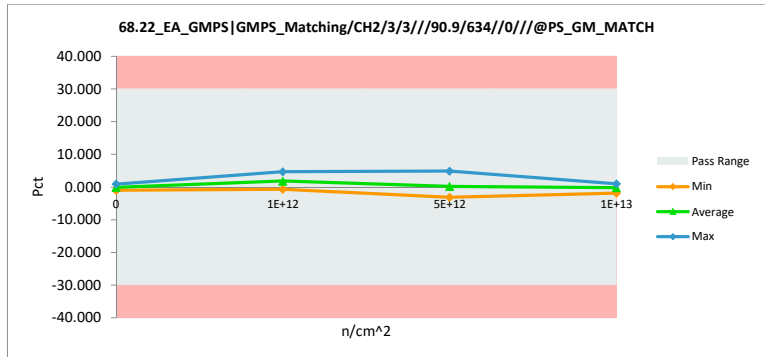


NDD Report
TPS7H4104-SP

68.22_EA_GMPS GMPS_Matching/CH2/3/3///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-2.270	-1.000	1.270
0	2	-3.140	-0.310	2.830
0	3	-2.500	0.910	3.410
1E+12	10	3.420	3.510	0.090
1E+12	11	-0.580	-0.660	-0.080
1E+12	12	-0.900	-0.280	0.620
1E+12	13	4.040	4.700	0.660
5E+12	14	-2.570	-3.110	-0.540
5E+12	15	0.290	0.300	0.010
5E+12	16	-0.890	-1.300	-0.410
5E+12	17	4.960	4.870	-0.090
1E+13	18	0.900	0.320	-0.580
1E+13	19	-2.240	-1.840	0.400
1E+13	20	0.590	0.950	0.360
1E+13	21	0.890	-0.290	-1.180
Max		4.960	4.870	3.410
Average		0.000	0.451	0.451
Min		-3.140	-3.110	-1.180
Std Dev		2.528	2.290	1.240



68.22_EA_GMPS GMPS_Matching/CH2/3/3///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	-1.000	-0.660	-3.110	-1.840
Average	-0.133	1.818	0.190	-0.215
Max	0.910	4.700	4.870	0.950
UL	30.000	30.000	30.000	30.000

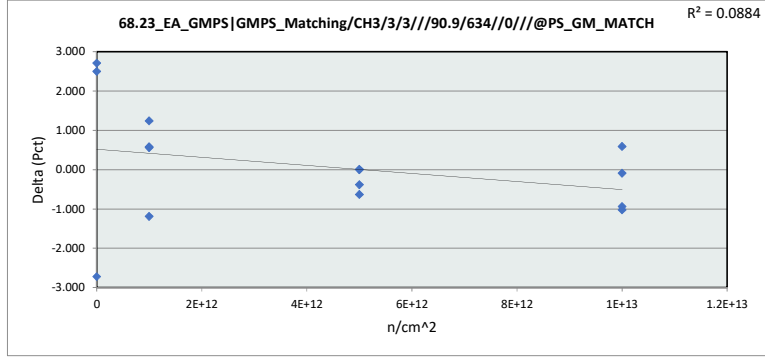


NDD Report
TPS7H4104-SP

68.23_EA_GMPS|GMPS_Matching/CH3/3/3///90

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	42	30
Min Limit	-42	-30

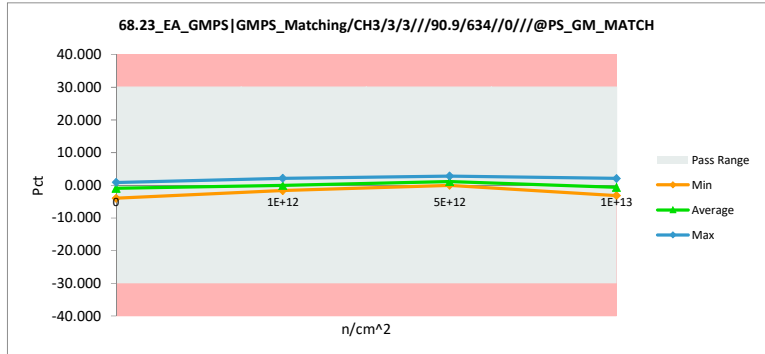
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-2.170	0.330	2.500
0	2	-1.820	0.890	2.710
0	3	-1.230	-3.950	-2.720
1E+12	10	-1.590	-0.350	1.240
1E+12	11	0.640	-0.550	-1.190
1E+12	12	1.580	2.160	0.580
1E+12	13	-2.170	-1.610	0.560
5E+12	14	1.290	0.660	-0.630
5E+12	15	2.850	2.850	0.000
5E+12	16	1.560	1.180	-0.380
5E+12	17	0.000	0.010	0.010
1E+13	18	-2.860	-2.270	0.590
1E+13	19	-2.180	-3.120	-0.940
1E+13	20	1.860	0.840	-1.020
1E+13	21	2.180	2.090	-0.090
Max		2.850	2.850	2.710
Average		-0.137	-0.056	0.081
Min		-2.860	-3.950	-2.720
Std Dev		1.941	1.965	1.397



68.23_EA_GMPS|GMPS_Matching/

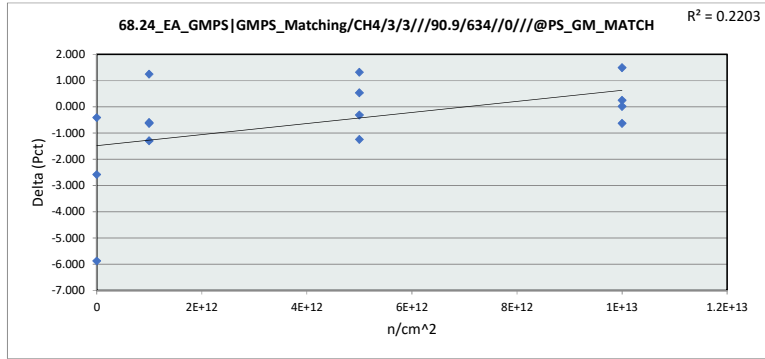
Test Site		
Tester		
Test Number		
Max Limit	30	Pct
Min Limit	-30	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-3.950	-1.610	0.010	-3.120
Average	-0.910	-0.088	1.175	-0.615
Max	0.890	2.160	2.850	2.090
UL	30.000	30.000	30.000	30.000

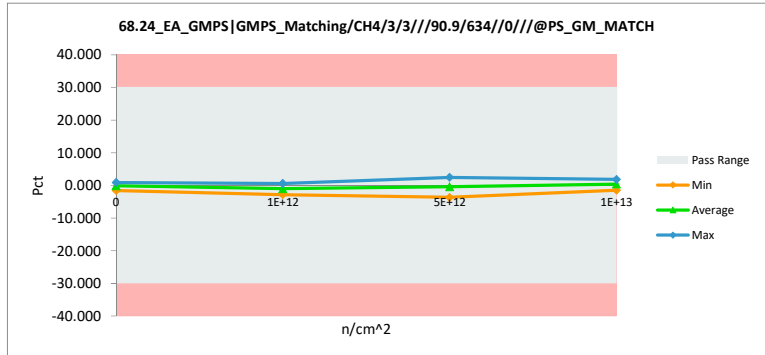


NDD Report
TPS7H4104-SP

68.24_EA_GMPS GMPS_Matching/CH4/3/3///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.860	0.280	-2.580
0	2	4.320	-1.560	-5.880
0	3	1.300	0.890	-0.410
1E+12	10	-0.290	-1.580	-1.290
1E+12	11	-0.640	0.610	1.250
1E+12	12	-2.210	-2.810	-0.600
1E+12	13	0.320	-0.310	-0.630
5E+12	14	1.280	1.820	0.540
5E+12	15	-3.530	-2.210	1.320
5E+12	16	2.770	2.460	-0.310
5E+12	17	-2.420	-3.660	-1.240
1E+13	18	0.970	0.340	-0.630
1E+13	19	1.560	1.810	0.250
1E+13	20	-0.580	0.920	1.500
1E+13	21	-1.500	-1.480	0.020
Max		4.320	2.460	1.500
Average		0.281	-0.299	-0.579
Min		-3.530	-3.660	-5.880
Std Dev		2.178	1.830	1.827



68.24_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	-1.560	-2.810	-3.660	-1.480
Average	-0.130	-1.023	-0.398	0.398
Max	0.890	0.610	2.460	1.810
UL	30.000	30.000	30.000	30.000

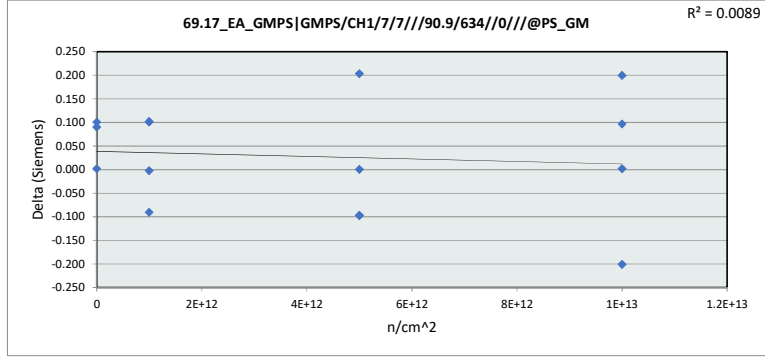


NDD Report
TPS7H4104-SP

69.17_EA_GMPS|GMPS/CH1/7/7//90.9/634//

Test Site		
Tester		
Test Number		
Unit	Siemens	Siemens
Max Limit	10.46	10.31
Min Limit	5.78	5.93

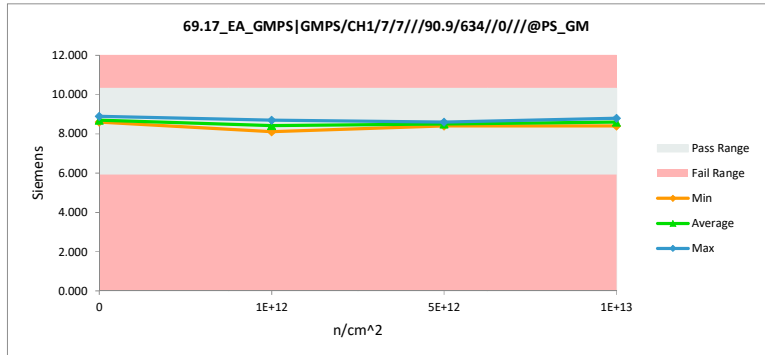
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	8.500	8.601	0.101
0	2	8.602	8.604	0.002
0	3	8.807	8.898	0.090
1E+12	10	8.304	8.302	-0.002
1E+12	11	8.499	8.601	0.102
1E+12	12	8.601	8.701	0.101
1E+12	13	8.198	8.107	-0.090
5E+12	14	8.395	8.599	0.203
5E+12	15	8.496	8.399	-0.097
5E+12	16	8.500	8.403	-0.097
5E+12	17	8.603	8.604	0.001
1E+13	18	8.502	8.599	0.097
1E+13	19	8.598	8.797	0.200
1E+13	20	8.598	8.397	-0.201
1E+13	21	8.599	8.601	0.002
	Max	8.807	8.898	0.203
	Average	8.520	8.548	0.027
	Min	8.198	8.107	-0.201
	Std Dev	0.144	0.198	0.115



69.17_EA_GMPS|GMPS/CH1/7/7//

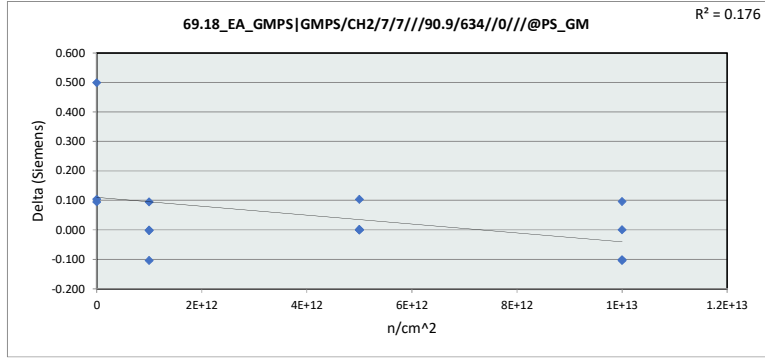
Test Site		
Tester		
Test Number		
Max Limit	10.31	Siemens
Min Limit	5.93	Siemens

n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.601	8.107	8.400	8.397
Average	8.701	8.428	8.501	8.598
Max	8.898	8.701	8.604	8.797
UL	10.310	10.310	10.310	10.310

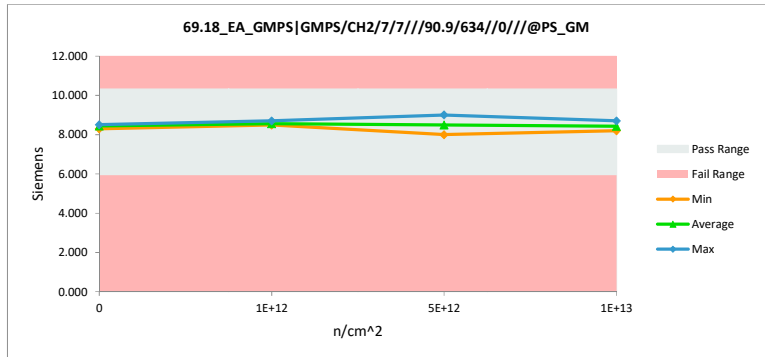


NDD Report TPS7H4104-SP

69.18_EA_GMPS GMPS/CH2/7/7//90.9/634//				
Test Site				
Tester				
Test Number				
Unit		Siemens	Siemens	
Max Limit		10.46	10.31	
Min Limit		5.78	5.93	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	8.007	8.506	0.500
0	2	8.198	8.302	0.104
0	3	8.403	8.498	0.095
1E+12	10	8.604	8.501	-0.103
1E+12	11	8.406	8.501	0.095
1E+12	12	8.499	8.497	-0.002
1E+12	13	8.703	8.703	-0.001
5E+12	14	8.000	8.000	0.000
5E+12	15	8.400	8.399	-0.001
5E+12	16	8.495	8.599	0.103
5E+12	17	8.998	9.000	0.002
1E+13	18	8.304	8.201	-0.104
1E+13	19	8.103	8.199	0.097
1E+13	20	8.702	8.601	-0.101
1E+13	21	8.699	8.700	0.001
Max		8.998	9.000	0.500
Average		8.435	8.480	0.046
Min		8.000	8.000	-0.104
Std Dev		0.284	0.243	0.146

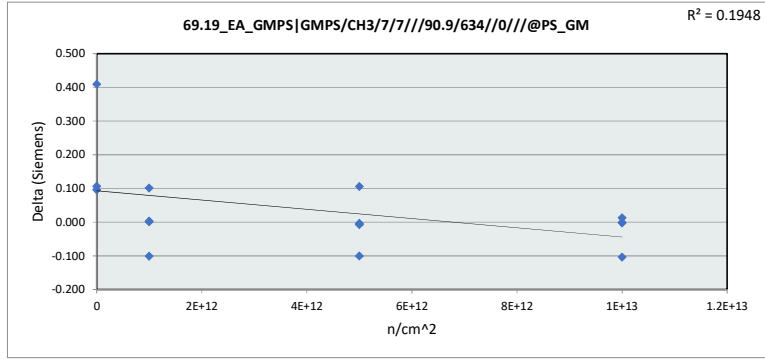


69.18_EA_GMPS GMPS/CH2/7/7//				
Test Site				
Tester				
Test Number				
Max Limit	10.31	Siemens		
Min Limit	5.93	Siemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.302	8.497	8.000	8.199
Average	8.436	8.550	8.500	8.425
Max	8.506	8.703	9.000	8.700
UL	10.310	10.310	10.310	10.310

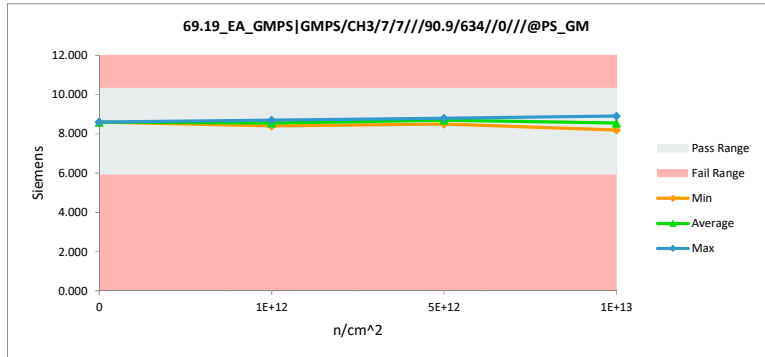


NDD Report TPS7H4104-SP

69.19_EA_GMPS GMPS/CH3/7/7//90.9/634//				
Test Site				
Tester				
Test Number				
Unit		Siemens	Siemens	
Max Limit		10.46	10.31	
Min Limit		5.78	5.93	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	8.195	8.604	0.410
0	2	8.499	8.605	0.106
0	3	8.508	8.604	0.096
1E+12	10	8.402	8.403	0.001
1E+12	11	8.601	8.604	0.003
1E+12	12	8.801	8.700	-0.101
1E+12	13	8.396	8.498	0.101
5E+12	14	8.601	8.500	-0.101
5E+12	15	8.801	8.798	-0.003
5E+12	16	8.801	8.794	-0.007
5E+12	17	8.599	8.705	0.106
1E+13	18	8.199	8.197	-0.001
1E+13	19	8.288	8.301	0.013
1E+13	20	8.904	8.800	-0.104
1E+13	21	8.908	8.906	-0.002
	Max	8.908	8.906	0.410
	Average	8.567	8.601	0.035
	Min	8.195	8.197	-0.104
	Std Dev	0.241	0.197	0.126

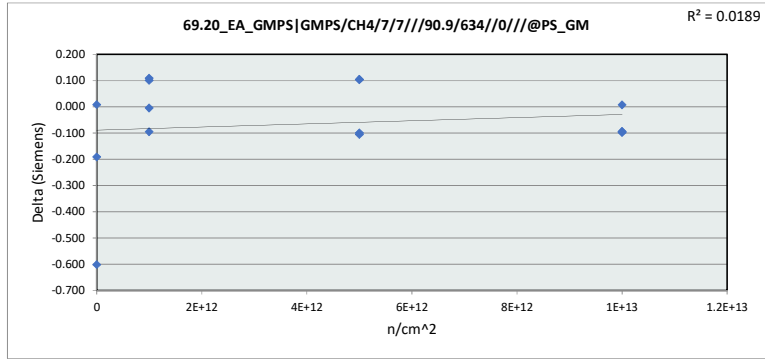


69.19_EA_GMPS GMPS/CH3/7/7//				
Test Site				
Tester				
Test Number				
Max Limit	10.31	Siemens		
Min Limit	5.93	Siemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.604	8.403	8.500	8.197
Average	8.605	8.551	8.699	8.551
Max	8.605	8.700	8.798	8.906
UL	10.310	10.310	10.310	10.310

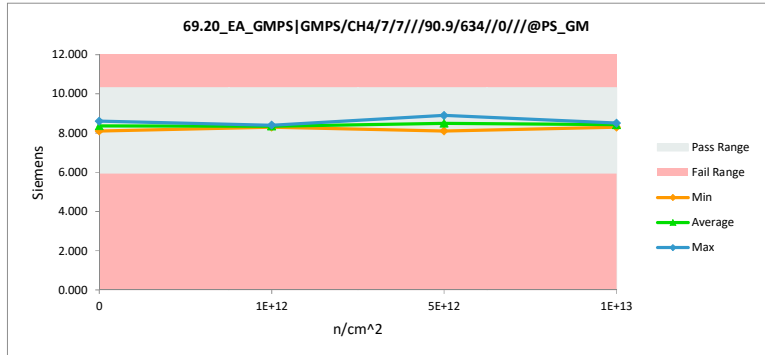


NDD Report TPS7H4104-SP

69.20_EA_GMPS GMPS/CH4/7/7//90.9/634//				
Test Site				
Tester				
Test Number				
Unit		Siemens	Siemens	
Max Limit		10.46	10.31	
Min Limit		5.78	5.93	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	8.597	8.405	-0.191
0	2	8.705	8.103	-0.602
0	3	8.598	8.607	0.009
1E+12	10	8.203	8.312	0.109
1E+12	11	8.407	8.403	-0.004
1E+12	12	8.398	8.303	-0.095
1E+12	13	8.301	8.403	0.101
5E+12	14	8.497	8.601	0.105
5E+12	15	8.204	8.099	-0.105
5E+12	16	8.797	8.900	0.103
5E+12	17	8.503	8.404	-0.099
1E+13	18	8.400	8.303	-0.097
1E+13	19	8.502	8.407	-0.095
1E+13	20	8.498	8.505	0.008
1E+13	21	8.598	8.504	-0.094
Max		8.797	8.900	0.109
Average		8.480	8.417	-0.063
Min		8.203	8.099	-0.602
Std Dev		0.169	0.199	0.177

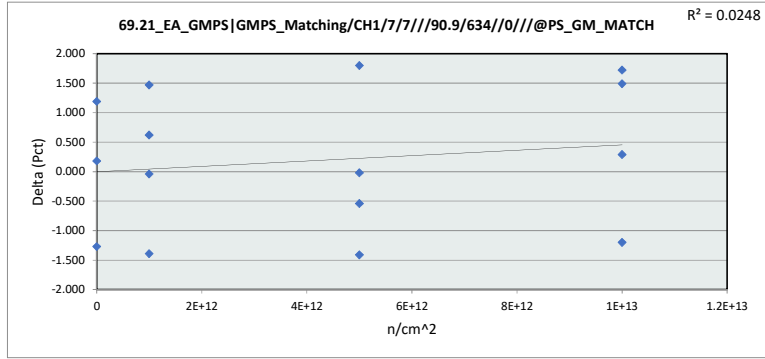


69.20_EA_GMPS GMPS/CH4/7/7//				
Test Site				
Tester				
Test Number				
Max Limit	10.31	Siemens		
Min Limit	5.93	Siemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.930	5.930	5.930	5.930
Min	8.103	8.303	8.099	8.303
Average	8.372	8.355	8.501	8.430
Max	8.607	8.403	8.900	8.505
UL	10.310	10.310	10.310	10.310

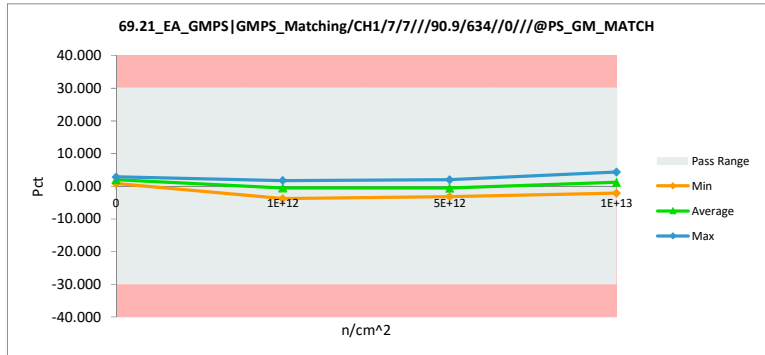


NDD Report
TPS7H4104-SP

69.21_EA_GMPS GMPS_Matching/CH1/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.110	0.840	-1.270
0	2	1.190	2.380	1.190
0	3	2.660	2.840	0.180
1E+12	10	-0.880	-0.920	-0.040
1E+12	11	0.250	0.870	0.620
1E+12	12	0.300	1.770	1.470
1E+12	13	-2.410	-3.800	-1.390
5E+12	14	0.260	2.060	1.800
5E+12	15	0.250	-0.290	-0.540
5E+12	16	-1.710	-3.120	-1.410
5E+12	17	-0.840	-0.860	-0.020
1E+13	18	1.800	3.290	1.490
1E+13	19	2.690	4.410	1.720
1E+13	20	-0.890	-2.090	-1.200
1E+13	21	-1.170	-0.880	0.290
Max		2.690	4.410	1.800
Average		0.241	0.433	0.193
Min		-2.410	-3.800	-1.410
Std Dev		1.586	2.406	1.171

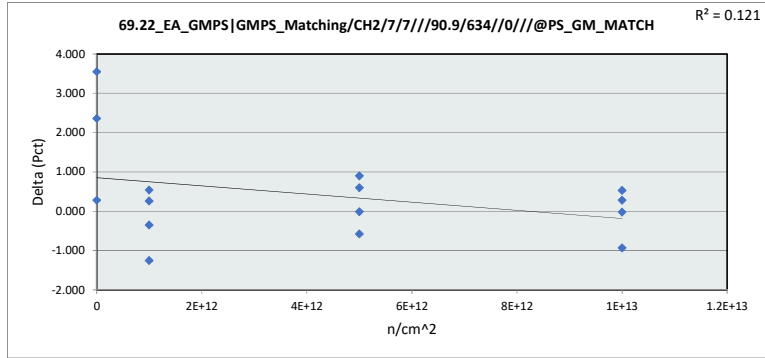


69.21_EA_GMPS GMPS_Matching/CH1/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30		Pct	
Min Limit	-30		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	0.840	-3.800	-3.120	-2.090
Average	2.020	-0.520	-0.553	1.183
Max	2.840	1.770	2.060	4.410
UL	30.000	30.000	30.000	30.000

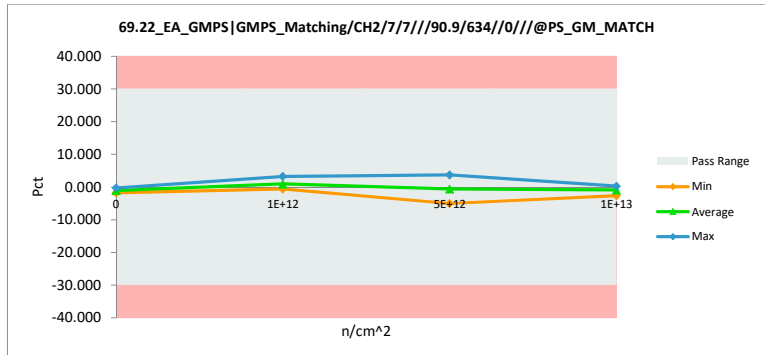


NDD Report TPS7H4104-SP

69.22_EA_GMPS GMPS_Matching/CH2/7/7///90				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-3.820	-0.270	3.550
0	2	-3.570	-1.210	2.360
0	3	-2.050	-1.770	0.280
1E+12	10	2.700	1.450	-1.250
1E+12	11	-0.850	-0.310	0.540
1E+12	12	-0.880	-0.620	0.260
1E+12	13	3.610	3.260	-0.350
5E+12	14	-4.460	-5.040	-0.580
5E+12	15	-0.890	-0.290	0.600
5E+12	16	-1.770	-0.870	0.900
5E+12	17	3.720	3.710	-0.010
1E+13	18	-0.560	-1.490	-0.930
1E+13	19	-3.220	-2.690	0.530
1E+13	20	0.310	0.290	-0.020
1E+13	21	-0.020	0.260	0.280
Max		3.720	3.710	3.550
Average		-0.783	-0.373	0.411
Min		-4.460	-5.040	-1.250
Std Dev		2.572	2.162	1.210

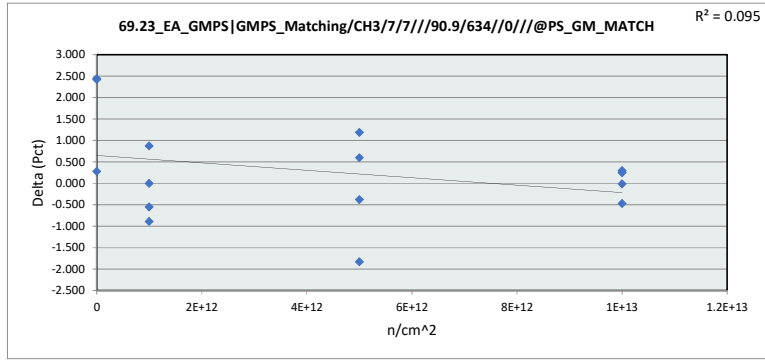


69.22_EA_GMPS GMPS_Matching/CH2/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30		Pct	
Min Limit	-30		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-1.770	-0.620	-5.040	-2.690
Average	-1.083	0.945	-0.623	-0.908
Max	-0.270	3.260	3.710	0.290
UL	30.000	30.000	30.000	30.000

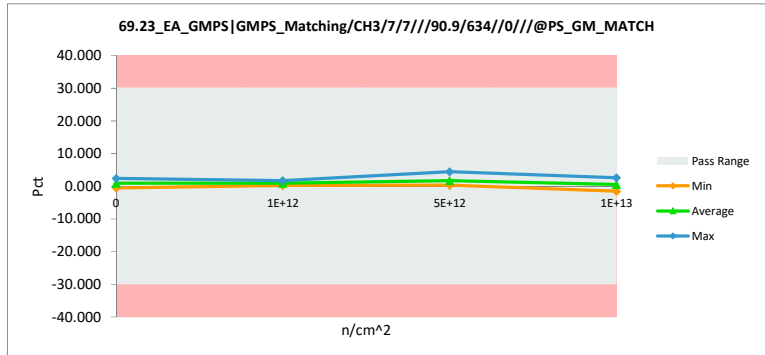


NDD Report
TPS7H4104-SP

69.23_EA_GMPS GMPS_Matching/CH3/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-1.560	0.880	2.440
0	2	-0.020	2.400	2.420
0	3	-0.830	-0.550	0.280
1E+12	10	0.280	0.280	0.000
1E+12	11	1.450	0.900	-0.550
1E+12	12	2.640	1.750	-0.890
1E+12	13	-0.040	0.830	0.870
5E+12	14	2.720	0.890	-1.830
5E+12	15	3.840	4.440	0.600
5E+12	16	1.760	1.380	-0.380
5E+12	17	-0.880	0.310	1.190
1E+13	18	-1.830	-1.530	0.300
1E+13	19	-1.010	-1.480	-0.470
1E+13	20	2.630	2.620	-0.010
1E+13	21	2.380	2.630	0.250
Max		3.840	4.440	2.440
Average		0.769	1.050	0.281
Min		-1.830	-1.530	-1.830
Std Dev		1.820	1.598	1.140

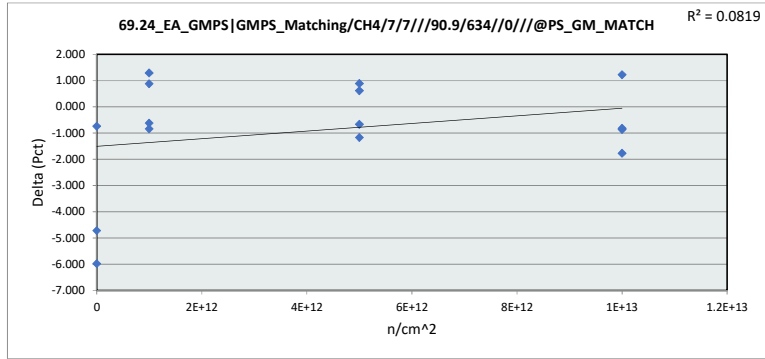


69.23_EA_GMPS GMPS_Matching/CH3/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Max Limit	30		Pct	
Min Limit	-30		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-30.000	-30.000	-30.000	-30.000
Min	-0.550	0.280	0.310	-1.530
Average	0.910	0.940	1.755	0.560
Max	2.400	1.750	4.440	2.630
UL	30.000	30.000	30.000	30.000

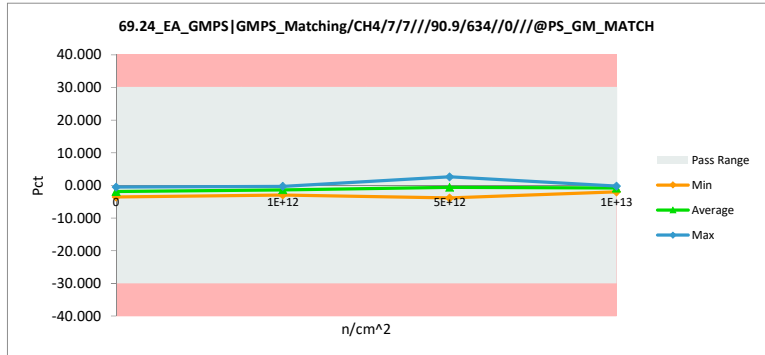


NDD Report
TPS7H4104-SP

69.24_EA_GMPS GMPS_Matching/CH4/7/7///90.9/634//0///@PS_GM_MATCH				
Test Site				
Tester				
Test Number				
Unit		Pct	Pct	
Max Limit		42	30	
Min Limit		-42	-30	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.270	-1.450	-4.720
0	2	2.400	-3.580	-5.980
0	3	0.220	-0.520	-0.740
1E+12	10	-2.100	-0.810	1.290
1E+12	11	-0.840	-1.460	-0.620
1E+12	12	-2.060	-2.900	-0.840
1E+12	13	-1.170	-0.290	0.880
5E+12	14	1.470	2.090	0.620
5E+12	15	-3.200	-3.860	-0.660
5E+12	16	1.720	2.610	0.890
5E+12	17	-1.990	-3.160	-1.170
1E+13	18	0.590	-0.270	-0.860
1E+13	19	1.540	-0.230	-1.770
1E+13	20	-2.050	-0.820	1.230
1E+13	21	-1.180	-2.000	-0.820
	Max	3.270	2.610	1.290
	Average	-0.225	-1.110	-0.885
	Min	-3.200	-3.860	-5.980
	Std Dev	1.966	1.868	2.060



69.24_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	-3.580	-2.900	-3.860	-2.000
Average	-1.850	-1.365	-0.580	-0.830
Max	-0.520	-0.290	2.610	-0.230
UL	30.000	30.000	30.000	30.000

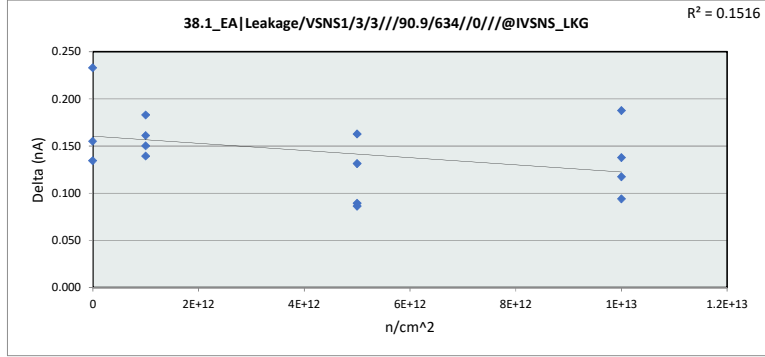


NDD Report
TPS7H4104-SP

38.1_EA|Leakage/VSNS1/3/3///90.9/634//0//

Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	30	28
Min Limit	-29.6	-20

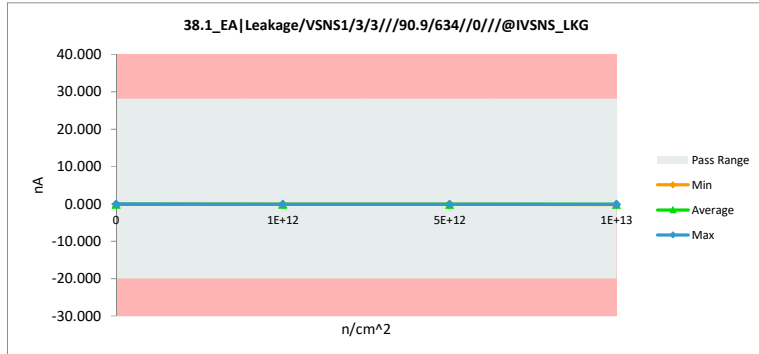
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.234	-0.100	0.135
0	2	-0.264	-0.031	0.233
0	3	-0.228	-0.073	0.155
1E+12	10	-0.214	-0.064	0.150
1E+12	11	-0.295	-0.112	0.183
1E+12	12	-0.178	-0.039	0.139
1E+12	13	-0.211	-0.050	0.161
5E+12	14	-0.231	-0.069	0.163
5E+12	15	-0.166	-0.079	0.086
5E+12	16	-0.202	-0.112	0.089
5E+12	17	-0.264	-0.133	0.131
1E+13	18	-0.239	-0.051	0.188
1E+13	19	-0.270	-0.176	0.094
1E+13	20	-0.184	-0.067	0.117
1E+13	21	-0.209	-0.072	0.138
Max		-0.166	-0.031	0.233
Average		-0.226	-0.082	0.144
Min		-0.295	-0.176	0.086
Std Dev		0.037	0.039	0.040



38.1_EA|Leakage/VSNS1/3/3///9

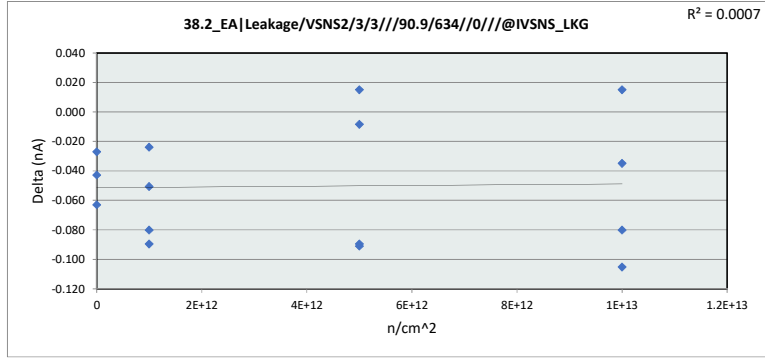
Test Site		
Tester		
Test Number		
Max Limit	28	nA
Min Limit	-20	nA

n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.100	-0.112	-0.133	-0.176
Average	-0.068	-0.066	-0.098	-0.092
Max	-0.031	-0.039	-0.069	-0.051
UL	28.000	28.000	28.000	28.000

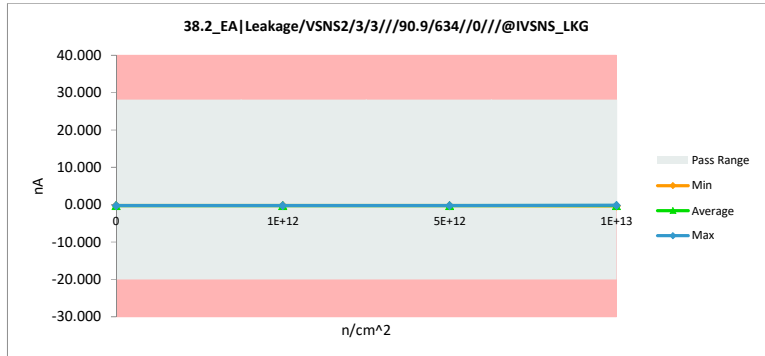


NDD Report
TPS7H4104-SP

38.2_EA Leakage/VSNS2/3/3///90.9/634//0//				
Test Site				
Tester				
Test Number				
Unit		nA	nA	
Max Limit		30	28	
Min Limit		-29.6	-20	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.152	-0.214	-0.063
0	2	-0.167	-0.210	-0.043
0	3	-0.209	-0.236	-0.027
1E+12	10	-0.134	-0.224	-0.090
1E+12	11	-0.178	-0.229	-0.050
1E+12	12	-0.192	-0.216	-0.024
1E+12	13	-0.156	-0.236	-0.080
5E+12	14	-0.180	-0.188	-0.008
5E+12	15	-0.156	-0.246	-0.090
5E+12	16	-0.125	-0.216	-0.091
5E+12	17	-0.217	-0.202	0.015
1E+13	18	-0.191	-0.176	0.015
1E+13	19	-0.186	-0.291	-0.105
1E+13	20	-0.174	-0.254	-0.080
1E+13	21	-0.166	-0.200	-0.035
Max		-0.125	-0.176	0.015
Average		-0.172	-0.223	-0.050
Min		-0.217	-0.291	-0.105
Std Dev		0.025	0.028	0.039

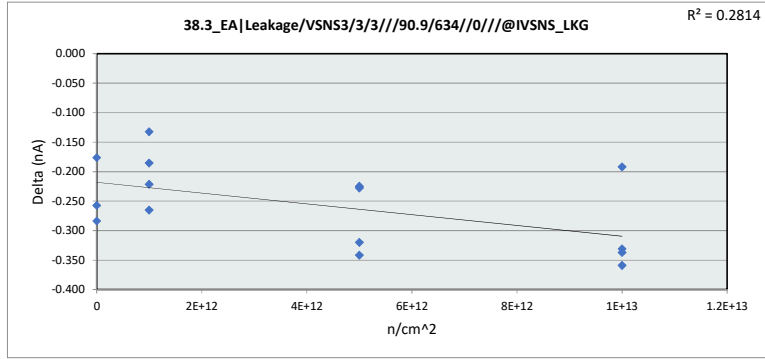


38.2_EA Leakage/VSNS2/3/3///90.9/634//0///9				
Test Site				
Tester				
Test Number				
Max Limit	28	nA		
Min Limit	-20	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.236	-0.236	-0.246	-0.291
Average	-0.220	-0.226	-0.213	-0.230
Max	-0.210	-0.216	-0.188	-0.176
UL	28.000	28.000	28.000	28.000

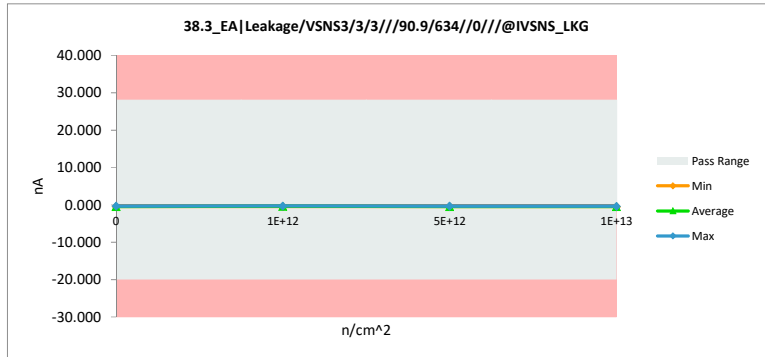


NDD Report TPS7H4104-SP

38.3_EA Leakage/VSNS3/3/3///90.9/634//0//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.165	-0.422	-0.257
0	2	-0.154	-0.330	-0.176
0	3	-0.145	-0.428	-0.284
1E+12	10	-0.138	-0.403	-0.265
1E+12	11	-0.090	-0.311	-0.222
1E+12	12	-0.166	-0.299	-0.133
1E+12	13	-0.215	-0.400	-0.185
5E+12	14	-0.107	-0.332	-0.225
5E+12	15	-0.108	-0.428	-0.320
5E+12	16	-0.094	-0.436	-0.342
5E+12	17	-0.174	-0.402	-0.228
1E+13	18	-0.083	-0.421	-0.337
1E+13	19	-0.135	-0.466	-0.331
1E+13	20	-0.069	-0.428	-0.359
1E+13	21	-0.160	-0.352	-0.192
Max		-0.069	-0.299	-0.133
Average		-0.134	-0.391	-0.257
Min		-0.215	-0.466	-0.359
Std Dev		0.041	0.052	0.070



38.3_EA Leakage/VSNS3/3/3///90.9/634//0//				
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	-0.428	-0.403	-0.436	-0.466
Average	-0.394	-0.353	-0.400	-0.417
Max	-0.330	-0.299	-0.332	-0.352
UL	28.000	28.000	28.000	28.000

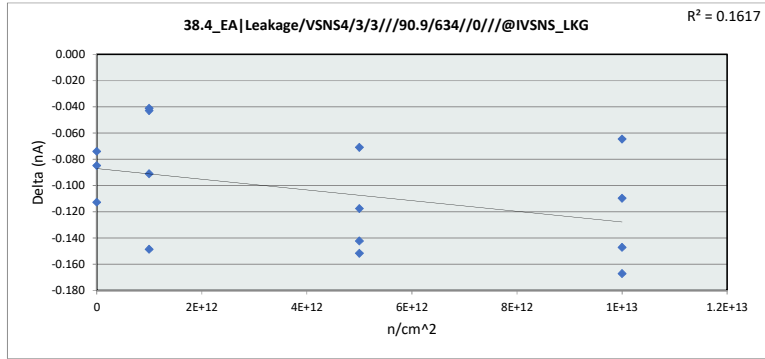


NDD Report
TPS7H4104-SP

38.4_EA|Leakage/VSNS4/3/3///90.9/634//0//

Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	30	28
Min Limit	-29.6	-20

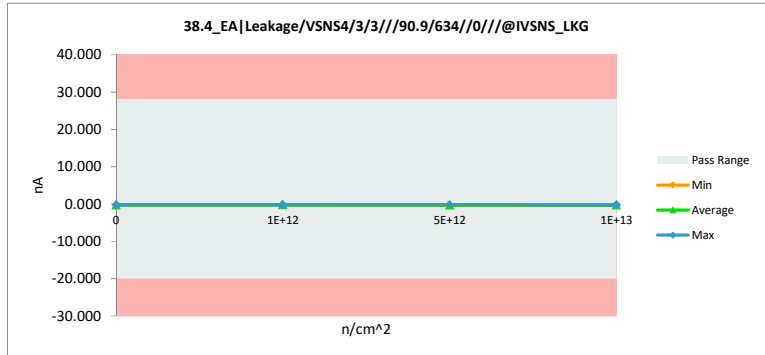
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.142	-0.216	-0.074
0	2	-0.100	-0.184	-0.085
0	3	-0.115	-0.228	-0.113
1E+12	10	-0.089	-0.237	-0.149
1E+12	11	-0.104	-0.195	-0.091
1E+12	12	-0.123	-0.166	-0.043
1E+12	13	-0.159	-0.200	-0.041
5E+12	14	-0.112	-0.183	-0.071
5E+12	15	-0.097	-0.248	-0.152
5E+12	16	-0.145	-0.287	-0.142
5E+12	17	-0.082	-0.200	-0.118
1E+13	18	-0.089	-0.236	-0.147
1E+13	19	-0.107	-0.275	-0.167
1E+13	20	-0.120	-0.230	-0.110
1E+13	21	-0.129	-0.194	-0.065
	Max	-0.082	-0.166	-0.041
	Average	-0.114	-0.219	-0.104
	Min	-0.159	-0.287	-0.167
	Std Dev	0.022	0.034	0.041



38.4_EA|Leakage/VSNS4/3/3///9

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	-0.228	-0.237	-0.287	-0.275
Average	-0.209	-0.200	-0.230	-0.233
Max	-0.184	-0.166	-0.183	-0.194
UL	28.000	28.000	28.000	28.000

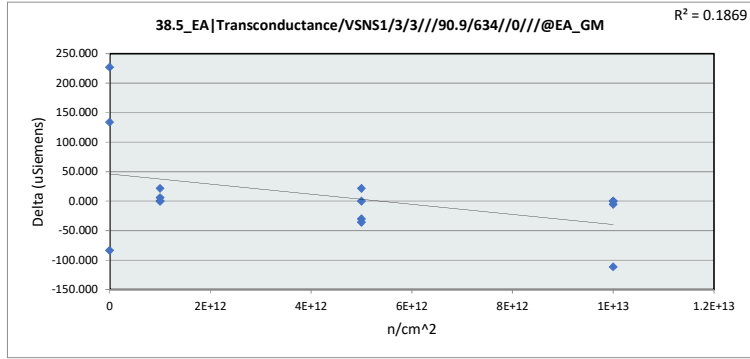


NDD Report TPS7H4104-SP

38.5_EA|Transconductance/VSNS1/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2630	2582
Min Limit	1029	1077

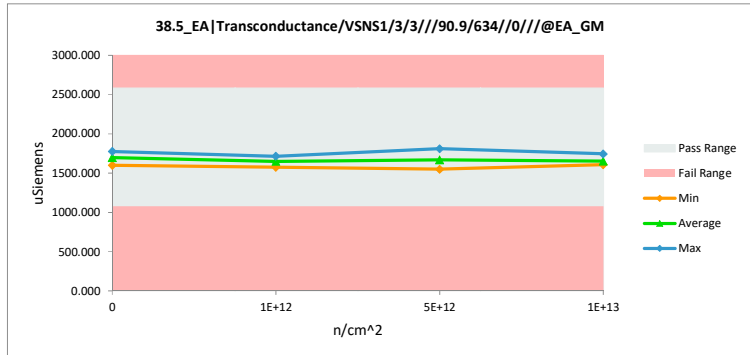
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1684.739	1601.336	-83.403
0	2	1580.472	1714.505	134.033
0	3	1550.175	1777.307	227.132
1E+12	10	1606.639	1628.204	21.566
1E+12	11	1684.739	1684.739	0.000
1E+12	12	1575.340	1575.340	0.000
1E+12	13	1708.468	1714.505	6.037
5E+12	14	1606.639	1628.204	21.566
5E+12	15	1810.466	1810.466	0.000
5E+12	16	1720.584	1684.739	-35.845
5E+12	17	1580.472	1550.175	-30.297
1E+13	18	1606.639	1606.639	0.000
1E+13	19	1633.686	1628.204	-5.482
1E+13	20	1745.341	1633.686	-111.655
1E+13	21	1745.341	1745.341	0.000
	Max	1810.466	1810.466	227.132
	Average	1655.983	1665.559	9.577
	Min	1550.175	1550.175	-111.655
	Std Dev	78.066	75.417	80.534



38.5_EA|Transconductance/VSNS1

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	1601.336	1575.340	1550.175	1606.639
Average	1697.716	1650.697	1668.396	1653.468
Max	1777.307	1714.505	1810.466	1745.341
UL	2582.000	2582.000	2582.000	2582.000

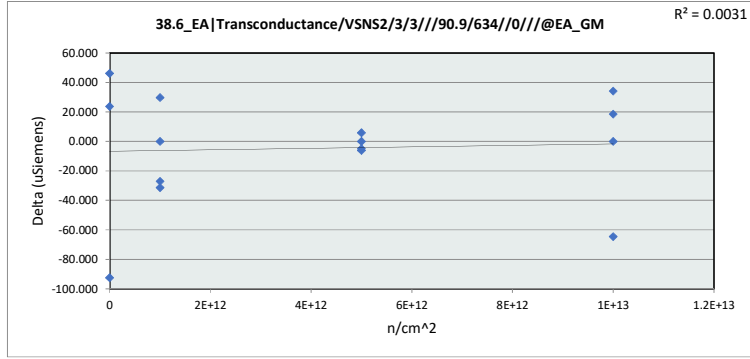


NDD Report
TPS7H4104-SP

38.6_EA|Transconductance/VSNS2/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2630	2582
Min Limit	1029	1077

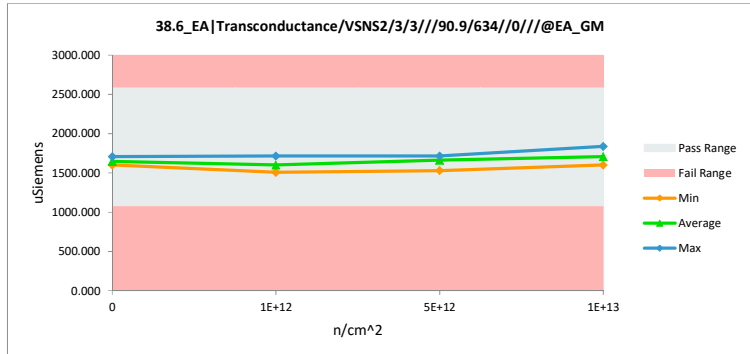
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1720.584	1628.204	-92.380
0	2	1555.144	1601.336	46.192
0	3	1684.739	1708.468	23.729
1E+12	10	1633.686	1606.639	-27.048
1E+12	11	1684.739	1714.505	29.766
1E+12	12	1506.847	1506.847	0.000
1E+12	13	1606.639	1575.340	-31.298
5E+12	14	1714.505	1714.505	0.000
5E+12	15	1714.505	1708.468	-6.037
5E+12	16	1684.739	1690.609	5.870
5E+12	17	1535.458	1530.615	-4.844
1E+13	18	1601.336	1601.336	0.000
1E+13	19	1803.735	1837.897	34.162
1E+13	20	1720.584	1655.989	-64.595
1E+13	21	1720.584	1739.085	18.501
	Max	1803.735	1837.897	46.192
	Average	1659.188	1654.656	-4.532
	Min	1506.847	1506.847	-92.380
	Std Dev	82.972	87.493	37.125



38.6_EA|Transconductance/VSNS2

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	1601.336	1506.847	1530.615	1601.336
Average	1646.003	1600.833	1661.049	1708.577
Max	1708.468	1714.505	1714.505	1837.897
UL	2582.000	2582.000	2582.000	2582.000

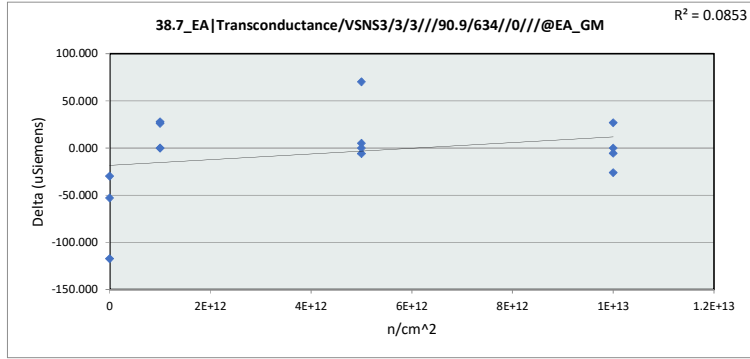


NDD Report TPS7H4104-SP

38.7_EA|Transconductance/VSNS3/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2630	2582
Min Limit	1029	1077

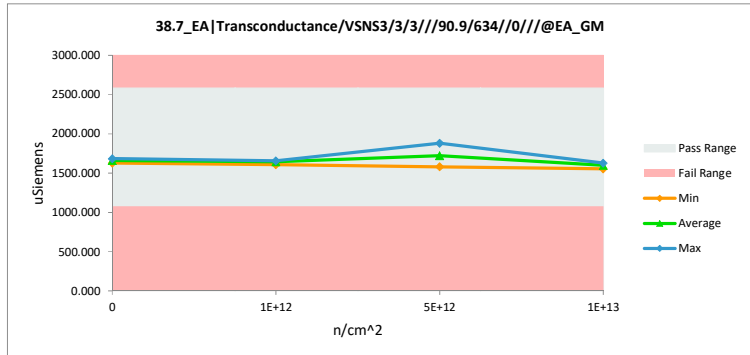
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1745.341	1628.204	-117.137
0	2	1714.505	1661.660	-52.844
0	3	1714.505	1684.739	-29.766
1E+12	10	1580.472	1606.639	26.167
1E+12	11	1655.989	1655.989	0.000
1E+12	12	1628.204	1655.989	27.785
1E+12	13	1655.989	1655.989	0.000
5E+12	14	1690.609	1684.739	-5.870
5E+12	15	1745.341	1745.341	0.000
5E+12	16	1810.466	1880.639	70.173
5E+12	17	1575.340	1580.472	5.131
1E+13	18	1555.144	1555.144	0.000
1E+13	19	1601.336	1628.204	26.868
1E+13	20	1606.639	1580.472	-26.167
1E+13	21	1633.686	1628.204	-5.482
Max		1810.466	1880.639	70.173
Average		1660.904	1655.495	-5.409
Min		1555.144	1555.144	-117.137
Std Dev		73.961	78.586	42.121



38.7_EA|Transconductance/VSNS3

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	1606.639	1580.472	1555.144
Average	1658.201	1643.652	1722.798	1598.006
Max	1684.739	1655.989	1880.639	1628.204
UL	2582.000	2582.000	2582.000	2582.000

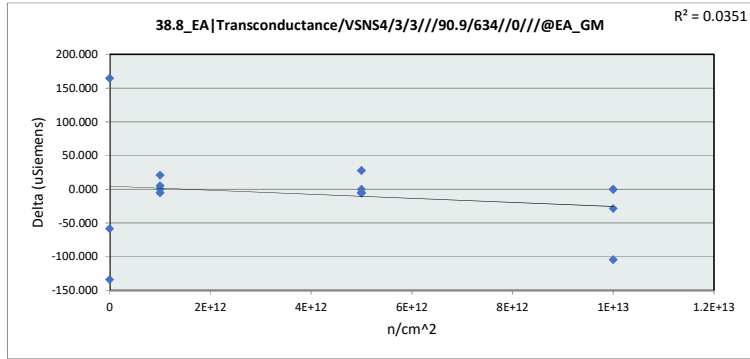


NDD Report
TPS7H4104-SP

38.8_EA|Transconductance/VSNS4/3/3///90.9/

Test Site	
Tester	
Test Number	
Unit	uSiemens
Max Limit	2630
Min Limit	1029

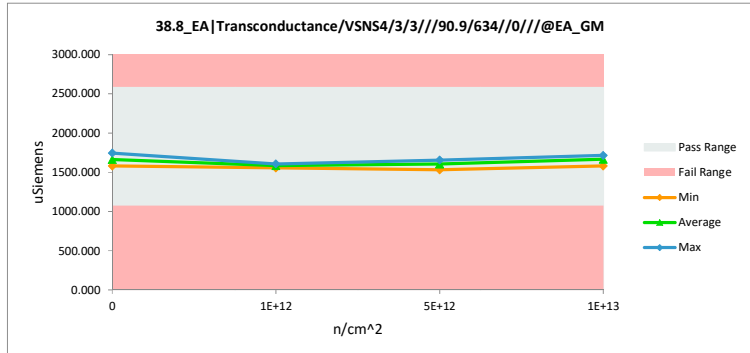
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1714.505	1655.989	-58.516
0	2	1580.472	1745.341	164.869
0	3	1714.505	1580.472	-134.033
1E+12	10	1555.144	1555.144	0.000
1E+12	11	1580.472	1601.336	20.864
1E+12	12	1601.336	1606.639	5.302
1E+12	13	1580.472	1575.340	-5.131
5E+12	14	1530.615	1530.615	0.000
5E+12	15	1628.204	1655.989	27.785
5E+12	16	1633.686	1628.204	-5.482
5E+12	17	1606.639	1601.336	-5.302
1E+13	18	1684.739	1655.989	-28.750
1E+13	19	1714.505	1714.505	0.000
1E+13	20	1684.739	1580.472	-104.267
1E+13	21	1714.505	1714.505	0.000
Max		1714.505	1745.341	164.869
Average		1634.969	1626.792	-8.177
Min		1530.615	1530.615	-134.033
Std Dev		64.593	62.692	65.784



38.8_EA|Transconductance/VSNS4

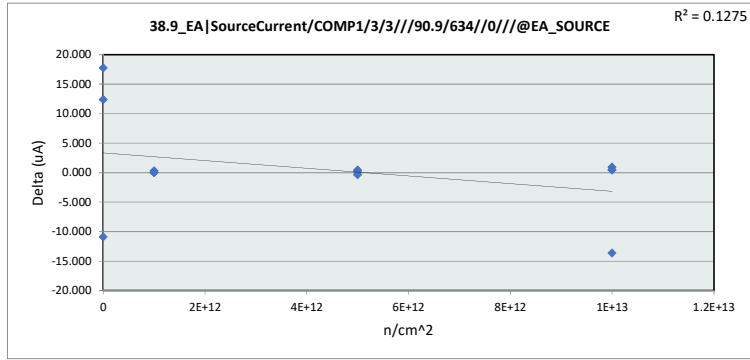
Test Site	
Tester	
Test Number	
Max Limit	2582
Min Limit	1077

n/cm^2	0	1E+12	5E+12	1E+13
LL	1077.000	1077.000	1077.000	1077.000
Min	1580.472	1555.144	1530.615	1580.472
Average	1660.601	1584.615	1604.036	1666.368
Max	1745.341	1606.639	1655.989	1714.505
UL	2582.000	2582.000	2582.000	2582.000

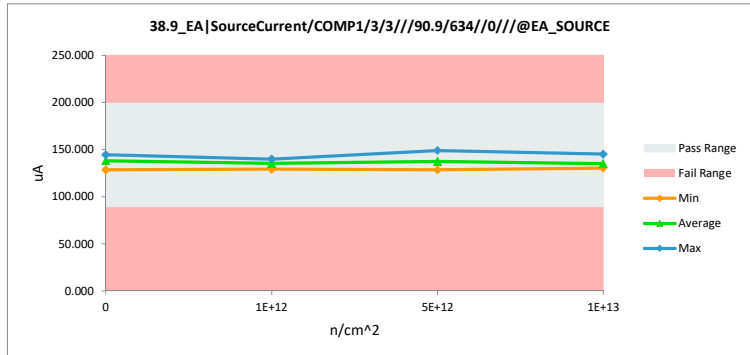


NDD Report
TPS7H4104-SP

38.9_EA SourceCurrent/COMP1/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit		uA	uA	
Max Limit		200	199	
Min Limit		88	89	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	139.382	128.487	-10.895
0	2	129.206	141.611	12.405
0	3	126.728	144.498	17.770
1E+12	10	133.160	133.195	0.035
1E+12	11	138.075	138.380	0.306
1E+12	12	129.284	129.339	0.055
1E+12	13	139.846	139.889	0.043
5E+12	14	131.406	131.835	0.429
5E+12	15	149.429	149.063	-0.367
5E+12	16	139.845	140.274	0.429
5E+12	17	128.457	128.547	0.090
1E+13	18	129.966	130.418	0.452
1E+13	19	133.555	134.037	0.482
1E+13	20	144.382	130.753	-13.629
1E+13	21	144.294	145.229	0.935
Max		149.429	149.063	17.770
Average		135.801	136.370	0.569
Min		126.728	128.487	-13.629
Std Dev		6.917	6.764	7.422

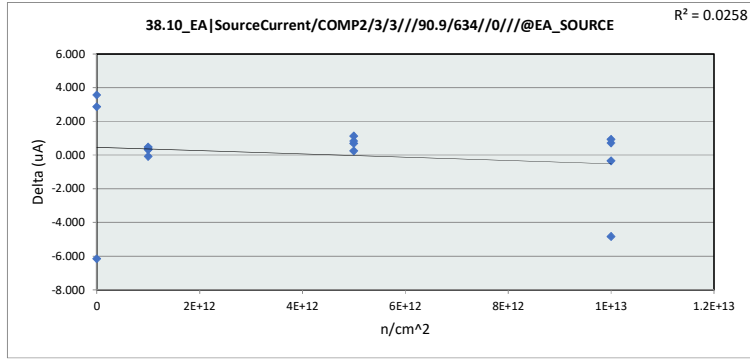


38.9_EA SourceCurrent/COMP1/3/3///90.9/634//0///EA_SOURCE				
Test Site				
Tester				
Test Number				
Max Limit		199	uA	
Min Limit		89	uA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	128.487	129.339	128.547	130.418
Average	138.199	135.201	137.430	135.109
Max	144.498	139.889	149.063	145.229
UL	199.000	199.000	199.000	199.000

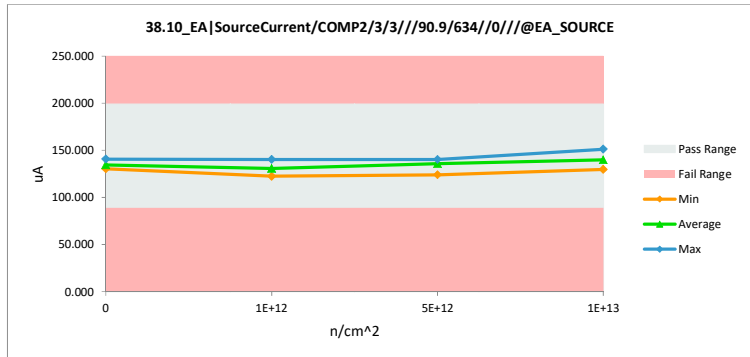


NDD Report
TPS7H4104-SP

38.10_EA SourceCurrent/COMP2/3/3///90.9/634/0/0///@EA_SOURCE				
Test Site				
Tester				
Test Number				
Unit		uA		uA
Max Limit		200		199
Min Limit		88		89
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	138.973	132.809	-6.164
0	2	126.856	130.413	3.557
0	3	137.920	140.779	2.860
1E+12	10	131.346	131.251	-0.095
1E+12	11	139.975	140.280	0.305
1E+12	12	121.981	122.445	0.464
1E+12	13	128.514	128.861	0.347
5E+12	14	139.658	140.346	0.688
5E+12	15	139.784	140.021	0.237
5E+12	16	138.225	139.052	0.827
5E+12	17	122.924	124.045	1.120
1E+13	18	130.113	129.763	-0.350
1E+13	19	150.579	151.287	0.708
1E+13	20	141.221	136.385	-4.836
1E+13	21	141.140	142.060	0.920
Max		150.579	151.287	3.557
Average		135.281	135.320	0.039
Min		121.981	122.445	-6.164
Std Dev		7.941	7.698	2.487



38.10_EA SourceCurrent/COMP2/3/3///90.9/634/0/0///@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	130.413	122.445	124.045	129.763
Average	134.667	130.709	135.866	139.874
Max	140.779	140.280	140.346	151.287
UL	199.000	199.000	199.000	199.000

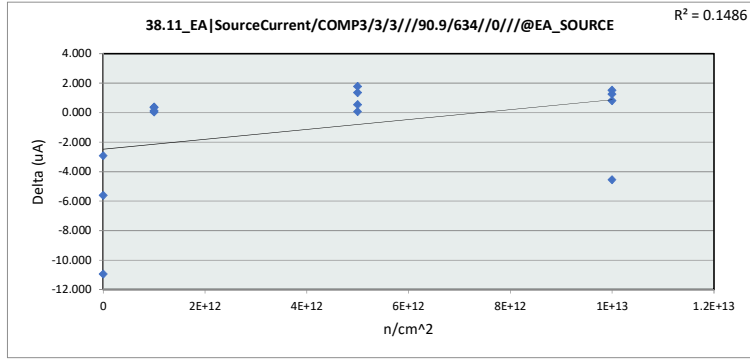


NDD Report
TPS7H4104-SP

38.11_EA|SourceCurrent/COMP3/3/3///90.9/634//0///@EA_SOURCE

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	88	89

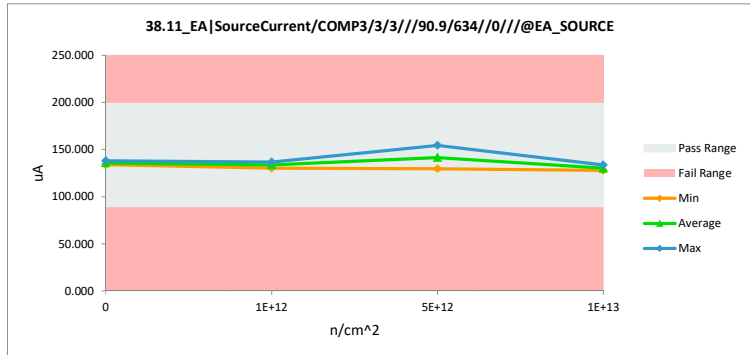
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	145.105	134.165	-10.940
0	2	140.467	134.863	-5.604
0	3	141.070	138.146	-2.924
1E+12	10	130.016	130.391	0.374
1E+12	11	136.279	136.646	0.368
1E+12	12	133.962	134.087	0.125
1E+12	13	133.697	133.748	0.051
5E+12	14	137.628	138.991	1.363
5E+12	15	142.918	142.992	0.075
5E+12	16	152.715	154.496	1.781
5E+12	17	128.906	129.446	0.540
1E+13	18	126.609	128.130	1.521
1E+13	19	130.210	131.025	0.814
1E+13	20	132.478	127.922	-4.557
1E+13	21	132.324	133.576	1.253
Max		152.715	154.496	1.781
Average		136.292	135.242	-1.051
Min		126.609	127.922	-10.940
Std Dev		7.073	6.772	3.525



38.11_EA|SourceCurrent/COMP3/3/3///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	134.165	130.391	129.446	127.922
Average	135.725	133.718	141.481	130.163
Max	138.147	136.646	154.496	133.576
UL	199.000	199.000	199.000	199.000

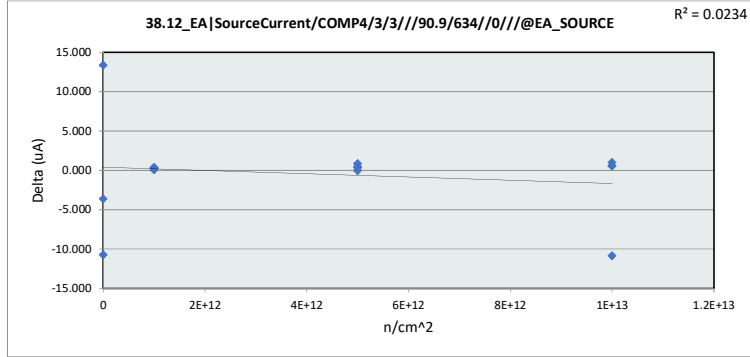


NDD Report
TPS7H4104-SP

38.12_EA|SourceCurrent/COMP4/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	88	89

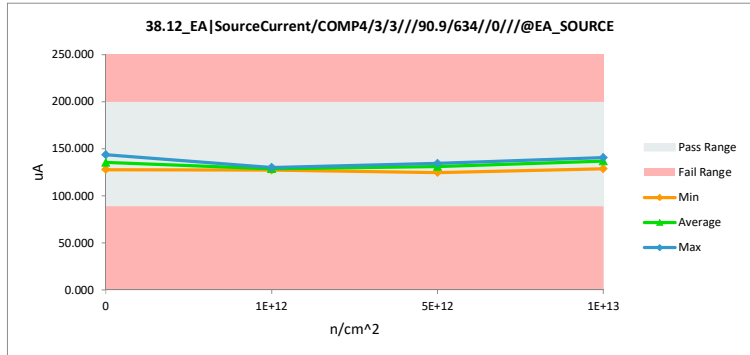
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	138.510	134.887	-3.624
0	2	130.237	143.606	13.369
0	3	138.429	127.704	-10.725
1E+12	10	127.005	127.283	0.278
1E+12	11	128.553	128.885	0.332
1E+12	12	129.691	130.072	0.381
1E+12	13	128.933	129.001	0.069
5E+12	14	123.705	124.579	0.874
5E+12	15	134.360	134.334	-0.026
5E+12	16	133.536	133.983	0.447
5E+12	17	131.105	131.463	0.358
1E+13	18	138.092	138.642	0.550
1E+13	19	139.434	140.445	1.011
1E+13	20	139.575	128.719	-10.856
1E+13	21	139.493	140.089	0.596
Max		139.575	143.606	13.369
Average		133.377	132.913	-0.464
Min		123.705	124.579	-10.856
Std Dev		5.301	5.670	5.507



38.12_EA|SourceCurrent/COMP4/3/3///90.9/634

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	127.704	127.283	124.579	128.719
Average	135.399	128.810	131.090	136.974
Max	143.606	130.072	134.334	140.445
UL	199.000	199.000	199.000	199.000

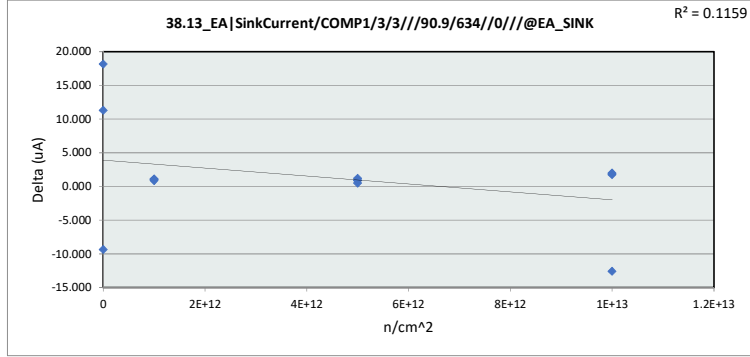


NDD Report
TPS7H4104-SP

38.13_EA|SinkCurrent/COMP1/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

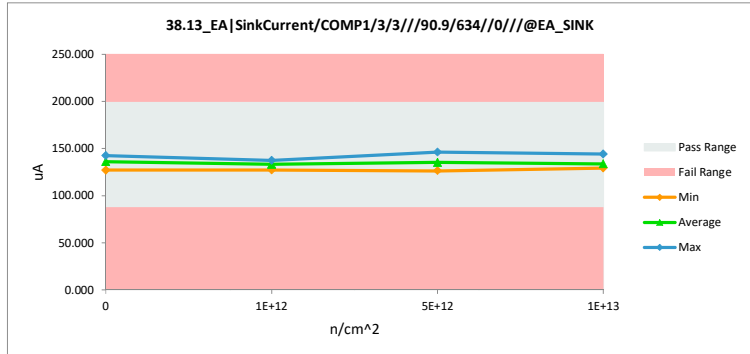
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	136.392	127.045	-9.346
0	2	127.721	139.016	11.295
0	3	124.319	142.476	18.157
1E+12	10	131.169	132.047	0.877
1E+12	11	134.887	135.952	1.066
1E+12	12	126.158	127.294	1.137
1E+12	13	136.496	137.477	0.980
5E+12	14	129.242	130.191	0.948
5E+12	15	145.756	146.250	0.494
5E+12	16	136.796	138.008	1.212
5E+12	17	125.483	126.357	0.874
1E+13	18	127.465	129.217	1.753
1E+13	19	130.553	132.449	1.896
1E+13	20	141.977	129.414	-12.563
1E+13	21	142.114	144.120	2.006
	Max	145.756	146.250	18.157
	Average	133.102	134.488	1.386
	Min	124.319	126.357	-12.563
	Std Dev	6.701	6.515	7.030



38.13_EA|SinkCurrent/COMP1/3/3///90.9/634/0///@EA_SINK

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	127.045	127.294	126.357	129.217
Average	136.179	133.193	135.201	133.800
Max	142.476	137.477	146.250	144.120
UL	199.000	199.000	199.000	199.000

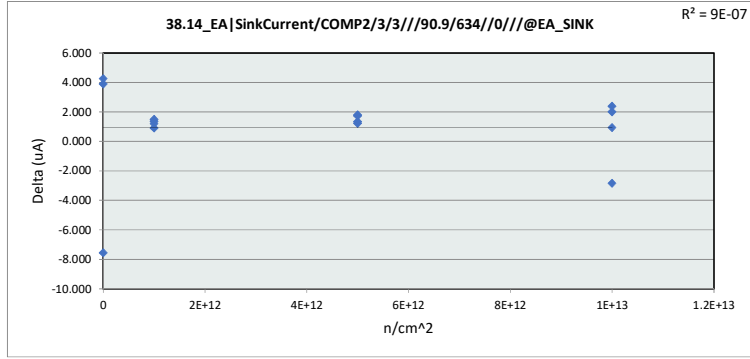


NDD Report TPS7H4104-SP

38.14_EA|SinkCurrent/COMP2/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

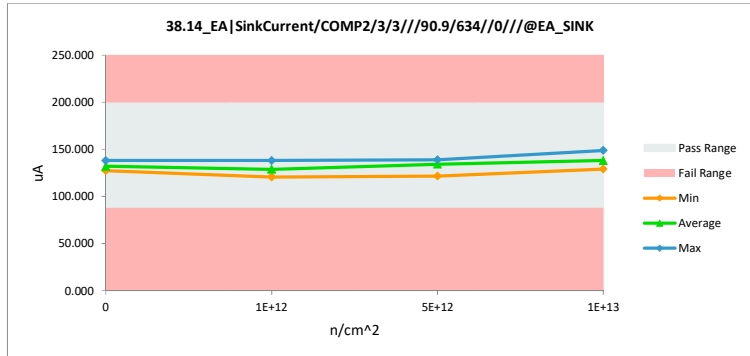
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	137.836	130.277	-7.559
0	2	123.341	127.221	3.880
0	3	133.796	138.050	4.255
1E+12	10	128.800	129.697	0.898
1E+12	11	136.958	138.143	1.185
1E+12	12	119.191	120.676	1.485
1E+12	13	125.478	126.821	1.344
5E+12	14	137.455	138.790	1.335
5E+12	15	137.550	138.768	1.218
5E+12	16	135.600	137.324	1.724
5E+12	17	119.851	121.639	1.788
1E+13	18	128.180	129.116	0.936
1E+13	19	146.407	148.788	2.381
1E+13	20	137.576	134.733	-2.843
1E+13	21	137.651	139.655	2.003
Max		146.407	148.788	4.255
Average		132.378	133.313	0.935
Min		119.191	120.676	-7.559
Std Dev		7.828	7.646	2.822



38.14_EA|SinkCurrent/COMP2/3/3///90.9/634

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	127.221	120.676	121.639	129.116
Average	131.849	128.835	134.130	138.073
Max	138.050	138.144	138.791	148.788
UL	199.000	199.000	199.000	199.000

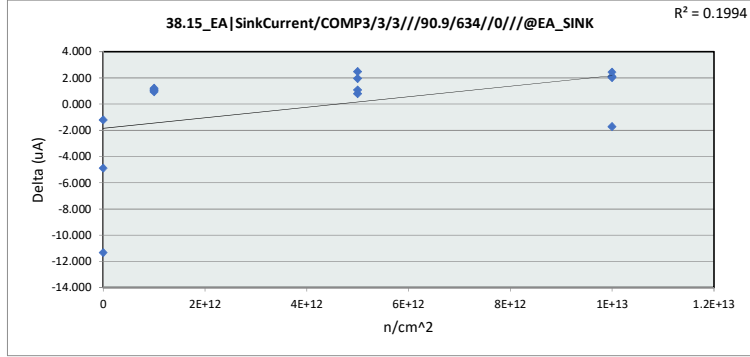


NDD Report
TPS7H4104-SP

38.15_EA|SinkCurrent/COMP3/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

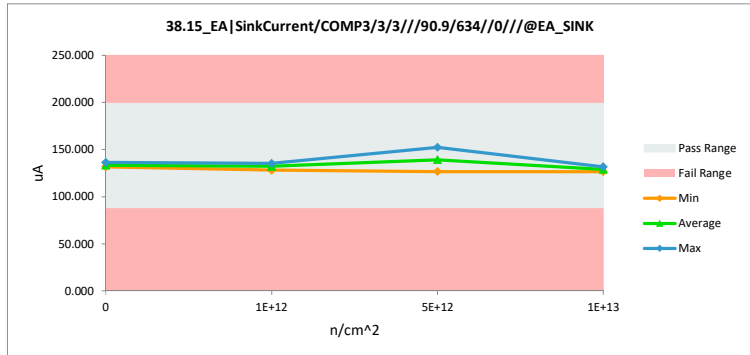
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	143.022	131.696	-11.326
0	2	137.054	132.173	-4.881
0	3	137.530	136.316	-1.214
1E+12	10	126.882	128.094	1.211
1E+12	11	134.146	135.222	1.076
1E+12	12	131.316	132.371	1.055
1E+12	13	131.975	132.923	0.948
5E+12	14	134.574	136.533	1.959
5E+12	15	140.262	141.061	0.799
5E+12	16	149.812	152.288	2.476
5E+12	17	125.571	126.654	1.082
1E+13	18	123.939	126.382	2.443
1E+13	19	128.228	130.348	2.120
1E+13	20	129.437	127.712	-1.725
1E+13	21	129.578	131.611	2.033
	Max	149.812	152.288	2.476
	Average	133.555	133.426	-0.130
	Min	123.939	126.382	-11.326
	Std Dev	7.060	6.604	3.658



38.15_EA|SinkCurrent/COMP3/3/3///90.9/634/0///@EA_SINK

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	131.696	128.094	126.654	126.383
Average	133.395	132.153	139.134	129.013
Max	136.316	135.222	152.288	131.611
UL	199.000	199.000	199.000	199.000

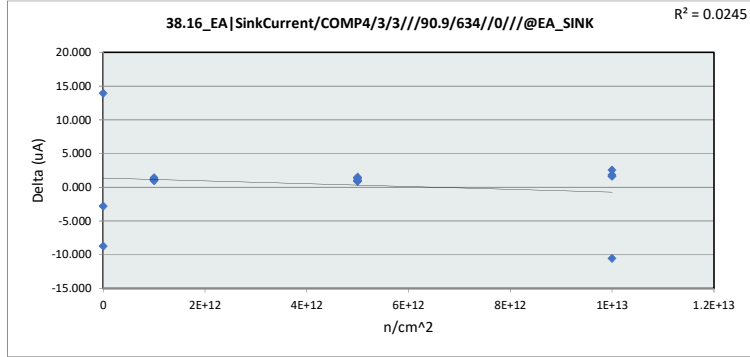


NDD Report
TPS7H4104-SP

38.16_EA|SinkCurrent/COMP4/3/3///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

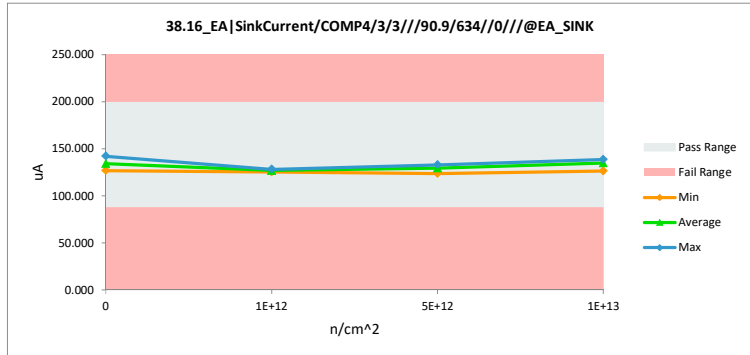
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	136.138	133.345	-2.793
0	2	128.149	142.090	13.940
0	3	135.492	126.756	-8.736
1E+12	10	124.194	125.397	1.204
1E+12	11	126.099	127.182	1.083
1E+12	12	126.712	128.133	1.422
1E+12	13	125.794	126.780	0.985
5E+12	14	122.040	123.549	1.509
5E+12	15	132.033	132.911	0.878
5E+12	16	131.077	132.353	1.276
5E+12	17	128.075	129.096	1.021
1E+13	18	133.988	135.820	1.832
1E+13	19	135.815	138.371	2.556
1E+13	20	136.830	126.274	-10.556
1E+13	21	136.980	138.617	1.636
Max		136.980	142.090	13.940
Average		130.628	131.112	0.484
Min		122.040	123.549	-10.556
Std Dev		5.073	5.611	5.413



38.16_EA|SinkCurrent/COMP4/3/3

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	126.756	125.398	123.549	126.274
Average	134.063	126.873	129.477	134.770
Max	142.090	128.133	132.911	138.617
UL	199.000	199.000	199.000	199.000

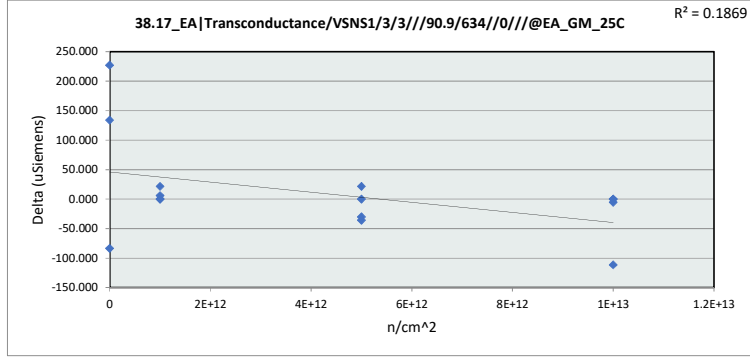


NDD Report
TPS7H4104-SP

38.17_EA|Transconductance/VSNS1/3/3//90.9

Test Site	
Tester	
Test Number	
Unit	uSiemens
Max Limit	2191
Min Limit	1153

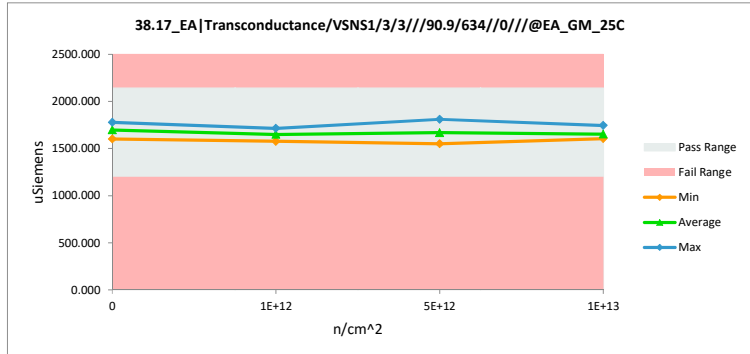
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1684.739	1601.336	-83.403
0	2	1580.472	1714.505	134.033
0	3	1550.175	1777.307	227.132
1E+12	10	1606.639	1628.204	21.566
1E+12	11	1684.739	1684.739	0.000
1E+12	12	1575.340	1575.340	0.000
1E+12	13	1708.468	1714.505	6.037
5E+12	14	1606.639	1628.204	21.566
5E+12	15	1810.466	1810.466	0.000
5E+12	16	1720.584	1684.739	-35.845
5E+12	17	1580.472	1550.175	-30.297
1E+13	18	1606.639	1606.639	0.000
1E+13	19	1633.686	1628.204	-5.482
1E+13	20	1745.341	1633.686	-111.655
1E+13	21	1745.341	1745.341	0.000
Max		1810.466	1810.466	227.132
Average		1655.983	1665.559	9.577
Min		1550.175	1550.175	-111.655
Std Dev		78.066	75.417	80.534



38.17_EA|Transconductance/VSNS

Test Site	
Tester	
Test Number	
Max Limit	2143
Min Limit	1201

n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1601.336	1575.340	1550.175	1606.639
Average	1697.716	1650.697	1668.396	1653.468
Max	1777.307	1714.505	1810.466	1745.341
UL	2143.000	2143.000	2143.000	2143.000

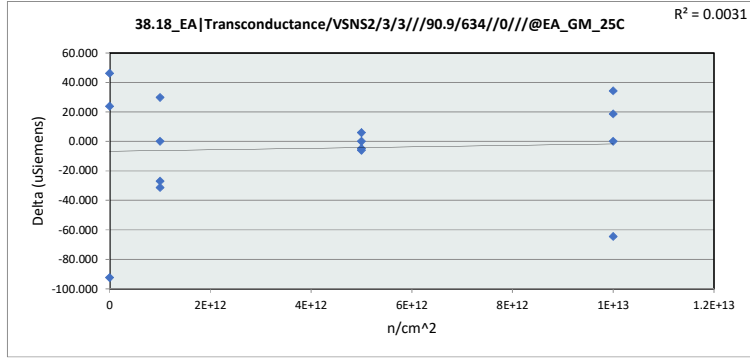


NDD Report
TPS7H4104-SP

38.18_EA|Transconductance/VSNS2/3/3///90.9

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2191	2143
Min Limit	1153	1201

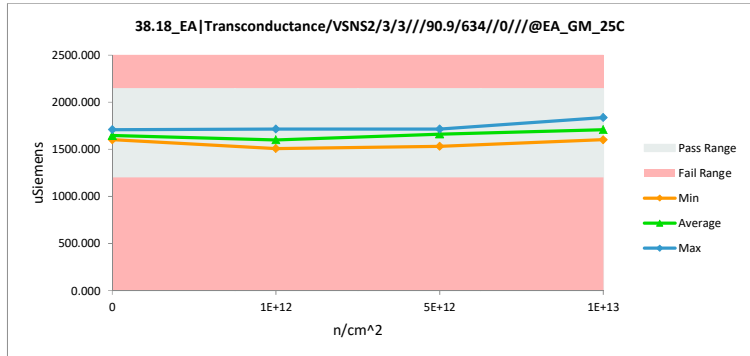
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1720.584	1628.204	-92.380
0	2	1555.144	1601.336	46.192
0	3	1684.739	1708.468	23.729
1E+12	10	1633.686	1606.639	-27.048
1E+12	11	1684.739	1714.505	29.766
1E+12	12	1506.847	1506.847	0.000
1E+12	13	1606.639	1575.340	-31.298
5E+12	14	1714.505	1714.505	0.000
5E+12	15	1714.505	1708.468	-6.037
5E+12	16	1684.739	1690.609	5.870
5E+12	17	1535.458	1530.615	-4.844
1E+13	18	1601.336	1601.336	0.000
1E+13	19	1803.735	1837.897	34.162
1E+13	20	1720.584	1655.989	-64.595
1E+13	21	1720.584	1739.085	18.501
	Max	1803.735	1837.897	46.192
	Average	1659.188	1654.656	-4.532
	Min	1506.847	1506.847	-92.380
	Std Dev	82.972	87.493	37.125



38.18_EA|Transconductance/VSNS

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	1601.336	1506.847	1530.615	1601.336
Average	1646.003	1600.833	1661.049	1708.577
Max	1708.468	1714.505	1714.505	1837.897
UL	2143.000	2143.000	2143.000	2143.000

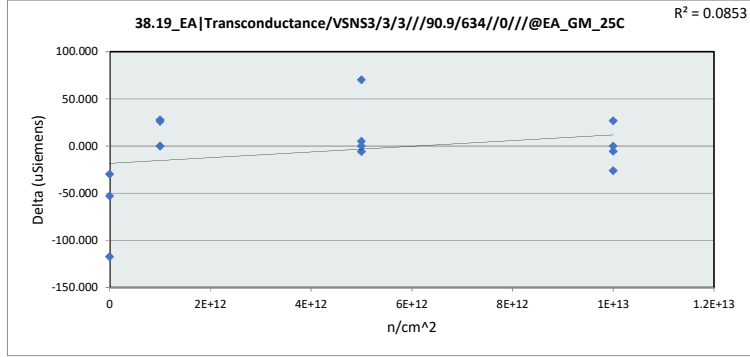


NDD Report
TPS7H4104-SP

38.19_EA|Transconductance/VSNS3/3/3//90.9

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2191	2143
Min Limit	1153	1201

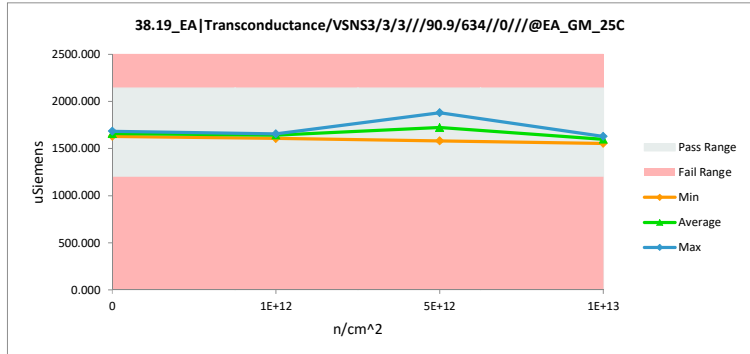
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1745.341	1628.204	-117.137
0	2	1714.505	1661.660	-52.844
0	3	1714.505	1684.739	-29.766
1E+12	10	1580.472	1606.639	26.167
1E+12	11	1655.989	1655.989	0.000
1E+12	12	1628.204	1655.989	27.785
1E+12	13	1655.989	1655.989	0.000
5E+12	14	1690.609	1684.739	-5.870
5E+12	15	1745.341	1745.341	0.000
5E+12	16	1810.466	1880.639	70.173
5E+12	17	1575.340	1580.472	5.131
1E+13	18	1555.144	1555.144	0.000
1E+13	19	1601.336	1628.204	26.868
1E+13	20	1606.639	1580.472	-26.167
1E+13	21	1633.686	1628.204	-5.482
	Max	1810.466	1880.639	70.173
	Average	1660.904	1655.495	-5.409
	Min	1555.144	1555.144	-117.137
	Std Dev	73.961	78.586	42.121



38.19_EA|Transconductance/VSNS

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	1606.639	1580.472	1555.144
Average	1658.201	1643.652	1722.798	1598.006
Max	1684.739	1655.989	1880.639	1628.204
UL	2143.000	2143.000	2143.000	2143.000

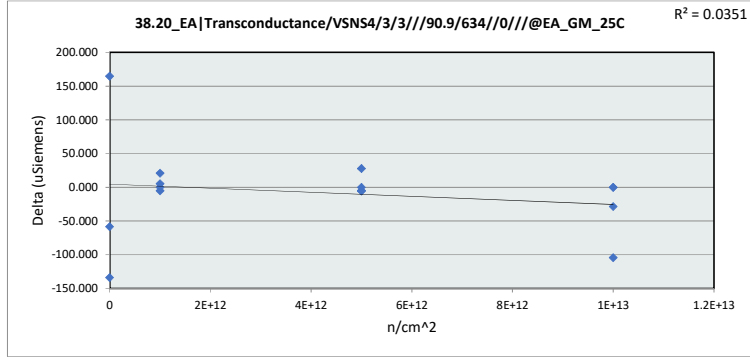


NDD Report
TPS7H4104-SP

38.20_EA|Transconductance/VSNS4/3/3//90.9

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2191	2143
Min Limit	1153	1201

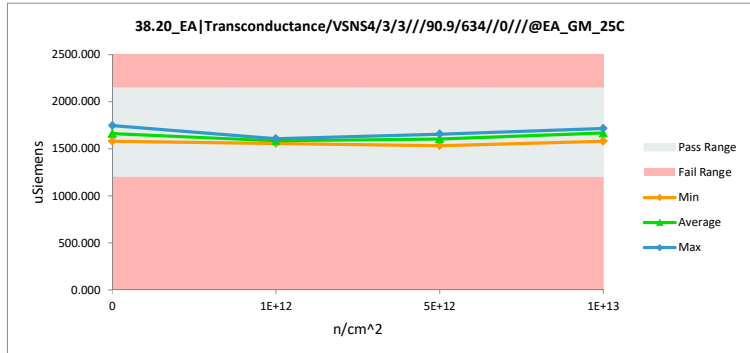
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1714.505	1655.989	-58.516
0	2	1580.472	1745.341	164.869
0	3	1714.505	1580.472	-134.033
1E+12	10	1555.144	1555.144	0.000
1E+12	11	1580.472	1601.336	20.864
1E+12	12	1601.336	1606.639	5.302
1E+12	13	1580.472	1575.340	-5.131
5E+12	14	1530.615	1530.615	0.000
5E+12	15	1628.204	1655.989	27.785
5E+12	16	1633.686	1628.204	-5.482
5E+12	17	1606.639	1601.336	-5.302
1E+13	18	1684.739	1655.989	-28.750
1E+13	19	1714.505	1714.505	0.000
1E+13	20	1684.739	1580.472	-104.267
1E+13	21	1714.505	1714.505	0.000
Max		1714.505	1745.341	164.869
Average		1634.969	1626.792	-8.177
Min		1530.615	1530.615	-134.033
Std Dev		64.593	62.692	65.784



38.20_EA|Transconductance/VSNS

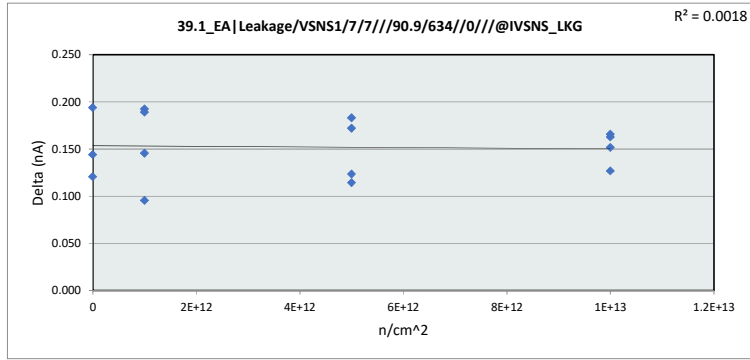
Test Site		
Tester		
Test Number		
Max Limit	2143	uSiemens
Min Limit	1201	uSiemens

n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1580.472	1555.144	1530.615	1580.472
Average	1660.601	1584.615	1604.036	1666.368
Max	1745.341	1606.639	1655.989	1714.505
UL	2143.000	2143.000	2143.000	2143.000

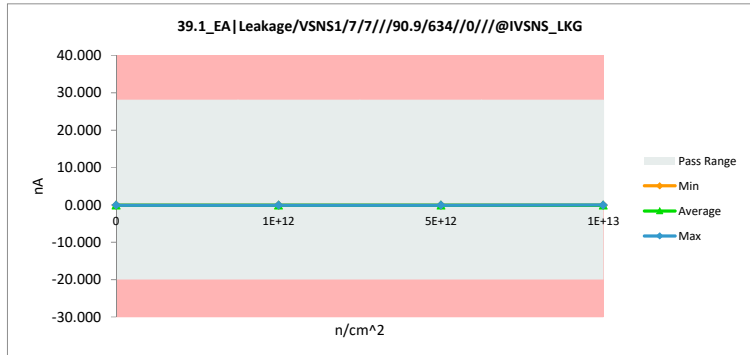


NDD Report
TPS7H4104-SP

39.1_EA Leakage/VSNS1/7/7///90.9/634//0//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.216	-0.095	0.121
0	2	-0.262	-0.069	0.194
0	3	-0.222	-0.078	0.144
1E+12	10	-0.199	-0.103	0.096
1E+12	11	-0.255	-0.109	0.146
1E+12	12	-0.236	-0.044	0.192
1E+12	13	-0.225	-0.036	0.189
5E+12	14	-0.188	-0.064	0.124
5E+12	15	-0.228	-0.045	0.183
5E+12	16	-0.216	-0.044	0.172
5E+12	17	-0.237	-0.123	0.114
1E+13	18	-0.262	-0.100	0.163
1E+13	19	-0.266	-0.114	0.152
1E+13	20	-0.174	-0.047	0.127
1E+13	21	-0.200	-0.034	0.166
Max		-0.174	-0.034	0.194
Average		-0.226	-0.074	0.152
Min		-0.266	-0.123	0.096
Std Dev		0.028	0.031	0.031

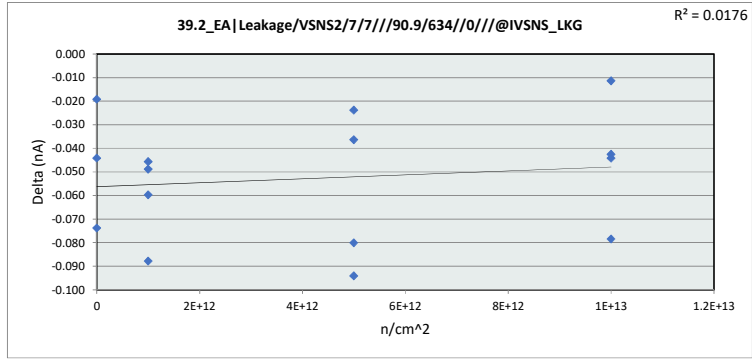


39.1_EA Leakage/VSNS1/7/7///9				
Test Site				
Tester				
Test Number				
Max Limit	28	nA		
Min Limit	-20	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.095	-0.109	-0.123	-0.114
Average	-0.081	-0.073	-0.069	-0.074
Max	-0.069	-0.036	-0.044	-0.034
UL	28.000	28.000	28.000	28.000

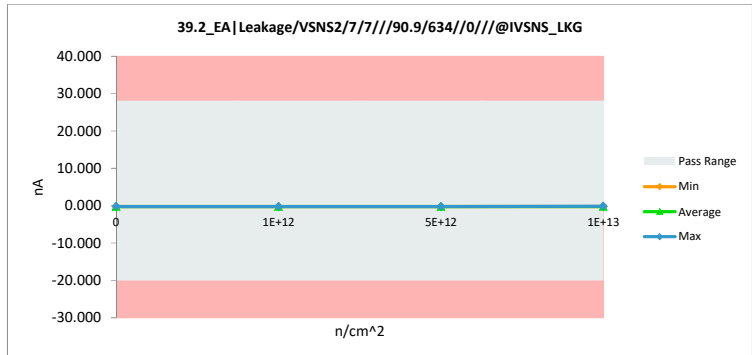


NDD Report
TPS7H4104-SP

39.2_EA Leakage/VSNS2/7/7///90.9/634/0///				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.180	-0.224	-0.044
0	2	-0.172	-0.246	-0.074
0	3	-0.189	-0.208	-0.019
1E+12	10	-0.172	-0.221	-0.049
1E+12	11	-0.164	-0.252	-0.088
1E+12	12	-0.181	-0.227	-0.046
1E+12	13	-0.164	-0.224	-0.060
5E+12	14	-0.166	-0.246	-0.080
5E+12	15	-0.166	-0.202	-0.036
5E+12	16	-0.209	-0.233	-0.024
5E+12	17	-0.161	-0.255	-0.094
1E+13	18	-0.136	-0.179	-0.043
1E+13	19	-0.130	-0.208	-0.078
1E+13	20	-0.211	-0.222	-0.011
1E+13	21	-0.161	-0.205	-0.044
Max		-0.130	-0.179	-0.011
Average		-0.171	-0.223	-0.053
Min		-0.211	-0.255	-0.094
Std Dev		0.022	0.021	0.025



39.2_EA Leakage/VSNS2/7/7///90.9/634/0///				
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	-0.246	-0.252	-0.255	-0.222
Average	-0.226	-0.231	-0.234	-0.204
Max	-0.208	-0.221	-0.202	-0.179
UL	28.000	28.000	28.000	28.000

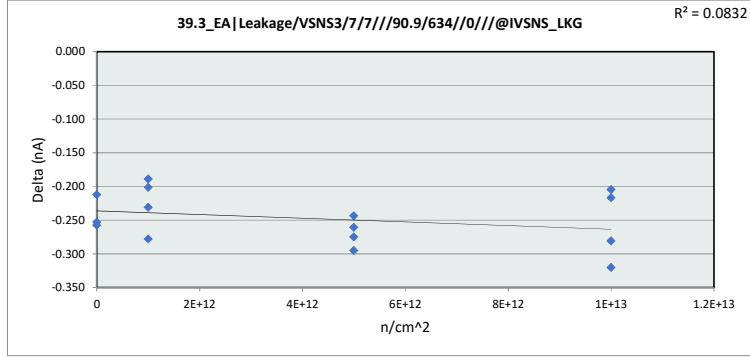


NDD Report
TPS7H4104-SP

39.3_EA|Leakage/VSNS3/7/7///90.9/634//0//

Test Site		
Tester		
Test Number		
Unit	nA	nA
Max Limit	30	28
Min Limit	-29.6	-20

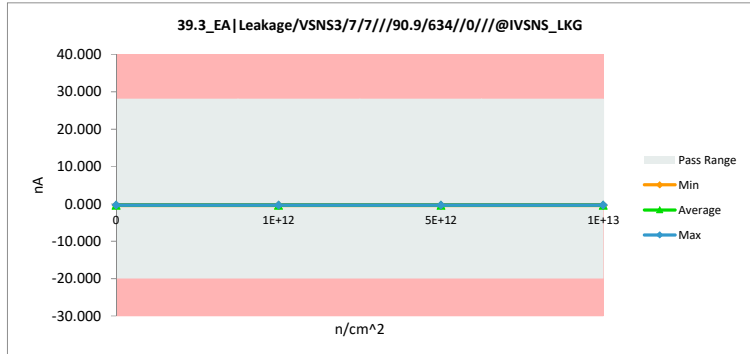
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.145	-0.397	-0.253
0	2	-0.083	-0.341	-0.257
0	3	-0.121	-0.333	-0.212
1E+12	10	-0.137	-0.414	-0.278
1E+12	11	-0.132	-0.363	-0.231
1E+12	12	-0.180	-0.369	-0.189
1E+12	13	-0.159	-0.360	-0.201
5E+12	14	-0.098	-0.358	-0.261
5E+12	15	-0.119	-0.394	-0.275
5E+12	16	-0.123	-0.366	-0.243
5E+12	17	-0.077	-0.372	-0.295
1E+13	18	-0.040	-0.360	-0.320
1E+13	19	-0.123	-0.403	-0.281
1E+13	20	-0.132	-0.336	-0.204
1E+13	21	-0.166	-0.383	-0.217
Max		-0.040	-0.333	-0.189
Average		-0.122	-0.370	-0.248
Min		-0.180	-0.414	-0.320
Std Dev		0.036	0.024	0.038



39.3_EA|Leakage/VSNS3/7/7///9

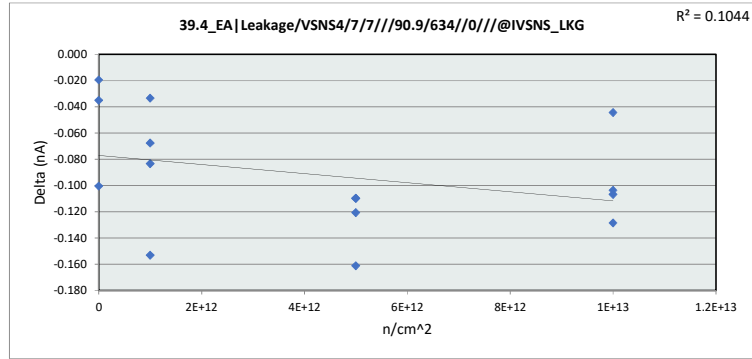
Test Site		
Tester		
Test Number		
Max Limit	28	nA
Min Limit	-20	nA

n/cm^2	0	1E+12	5E+12	1E+13
LL	-20.000	-20.000	-20.000	-20.000
Min	-0.397	-0.414	-0.394	-0.403
Average	-0.357	-0.377	-0.373	-0.371
Max	-0.333	-0.360	-0.358	-0.336
UL	28.000	28.000	28.000	28.000

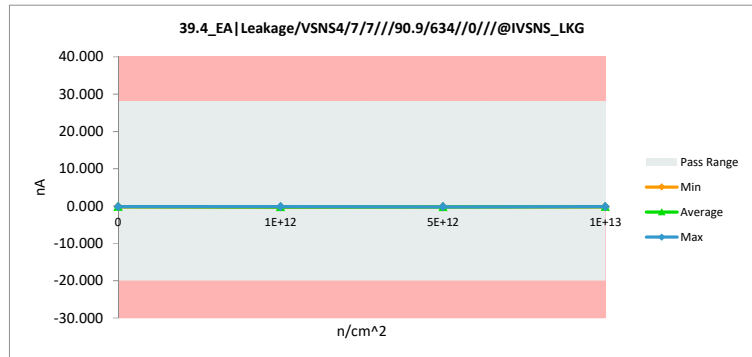


NDD Report TPS7H4104-SP

39.4_EA Leakage/VSNS4/7/7///90.9/634//0//				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	30	28		
Min Limit	-29.6	-20		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.146	-0.166	-0.019
0	2	-0.106	-0.206	-0.100
0	3	-0.143	-0.178	-0.035
1E+12	10	-0.135	-0.169	-0.033
1E+12	11	-0.157	-0.225	-0.068
1E+12	12	-0.123	-0.276	-0.153
1E+12	13	-0.107	-0.191	-0.083
5E+12	14	-0.073	-0.234	-0.161
5E+12	15	-0.101	-0.211	-0.110
5E+12	16	-0.120	-0.241	-0.121
5E+12	17	-0.097	-0.206	-0.110
1E+13	18	-0.081	-0.209	-0.128
1E+13	19	-0.087	-0.191	-0.104
1E+13	20	-0.084	-0.191	-0.107
1E+13	21	-0.149	-0.194	-0.044
Max		-0.073	-0.166	-0.019
Average		-0.114	-0.206	-0.092
Min		-0.157	-0.276	-0.161
Std Dev		0.028	0.029	0.044



39.4_EA Leakage/VSNS4/7/7///90.9/634//0//				
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	-0.206	-0.276	-0.241	-0.209
Average	-0.183	-0.215	-0.223	-0.196
Max	-0.166	-0.169	-0.206	-0.191
UL	28.000	28.000	28.000	28.000

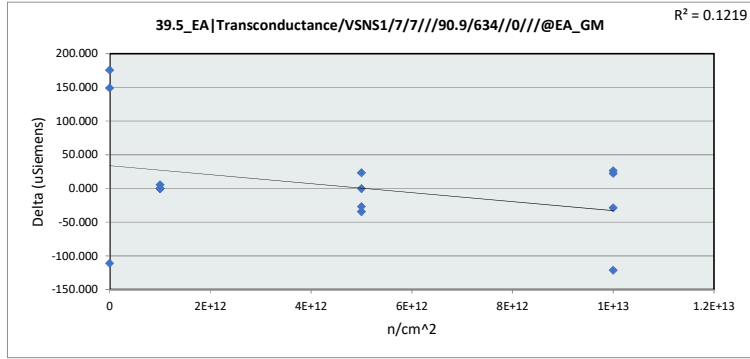


NDD Report
TPS7H4104-SP

39.5_EA|Transconductance/VSNS1/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2630	2582
Min Limit	1029	1077

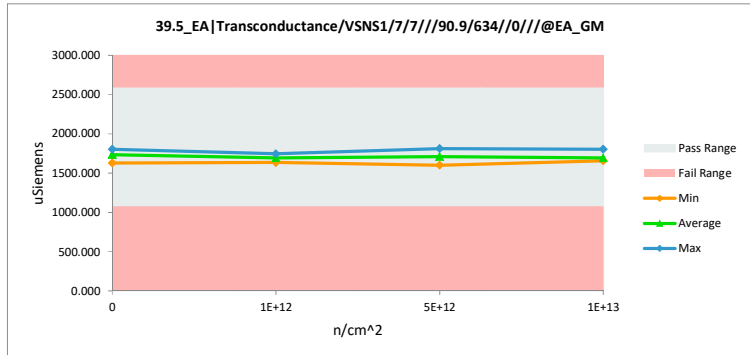
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1739.085	1628.204	-110.881
0	2	1628.204	1777.307	149.103
0	3	1628.204	1803.735	175.531
1E+12	10	1684.739	1684.739	0.000
1E+12	11	1714.505	1714.505	0.000
1E+12	12	1628.204	1633.686	5.482
1E+12	13	1745.341	1745.341	0.000
5E+12	14	1661.660	1684.739	23.079
5E+12	15	1844.885	1810.466	-34.419
5E+12	16	1745.341	1745.341	0.000
5E+12	17	1628.204	1601.336	-26.868
1E+13	18	1633.686	1655.989	22.303
1E+13	19	1684.739	1655.989	-28.750
1E+13	20	1777.307	1655.989	-121.318
1E+13	21	1777.307	1803.735	26.428
	Max	1844.885	1810.466	175.531
	Average	1701.428	1706.740	5.313
	Min	1628.204	1601.336	-121.318
	Std Dev	68.512	70.155	77.517



39.5_EA|Transconductance/VSNS1

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	1633.686	1601.336	1655.989
Average	1736.416	1694.568	1710.471	1692.926
Max	1803.736	1745.341	1810.466	1803.736
UL	2582.000	2582.000	2582.000	2582.000

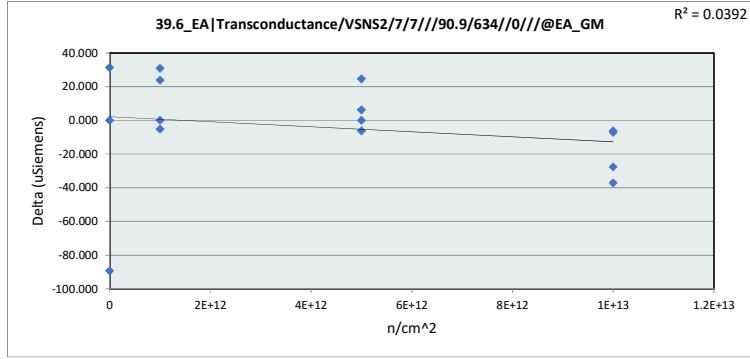


NDD Report
TPS7H4104-SP

39.6_EA|Transconductance/VSNS2/7/7///90.9/

Test Site	
Tester	
Test Number	
Unit	uSiemens
Max Limit	2630
Min Limit	1029

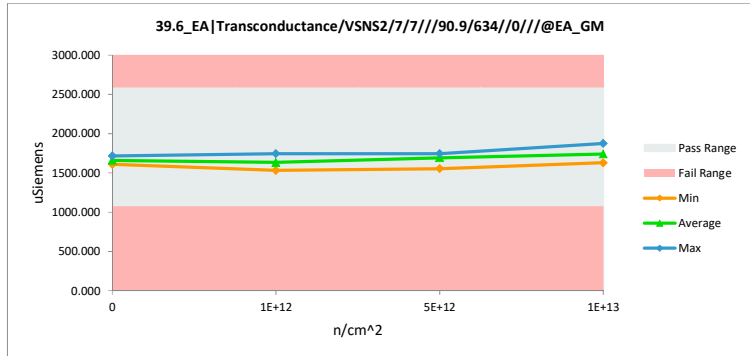
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1745.341	1655.989	-89.352
0	2	1575.340	1606.639	31.298
0	3	1714.505	1714.505	0.000
1E+12	10	1655.989	1655.989	0.000
1E+12	11	1714.505	1745.341	30.836
1E+12	12	1506.847	1530.615	23.767
1E+12	13	1606.639	1601.336	-5.302
5E+12	14	1745.341	1745.341	0.000
5E+12	15	1745.341	1739.085	-6.256
5E+12	16	1714.505	1720.584	6.080
5E+12	17	1530.615	1555.144	24.529
1E+13	18	1655.989	1628.204	-27.785
1E+13	19	1880.639	1873.378	-7.261
1E+13	20	1751.642	1714.505	-37.137
1E+13	21	1745.341	1739.085	-6.256
Max		1880.639	1873.378	31.298
Average		1685.905	1681.716	-4.189
Min		1506.847	1530.615	-89.352
Std Dev		98.308	88.725	30.665



39.6_EA|Transconductance/VSNS2

Test Site	
Tester	
Test Number	
Max Limit	2582
Min Limit	1077

n/cm^2	0	1E+12	5E+12	1E+13
LL	1077.000	1077.000	1077.000	1077.000
Min	1606.639	1530.615	1555.144	1628.204
Average	1659.044	1633.320	1690.039	1738.793
Max	1714.505	1745.341	1745.341	1873.378
UL	2582.000	2582.000	2582.000	2582.000

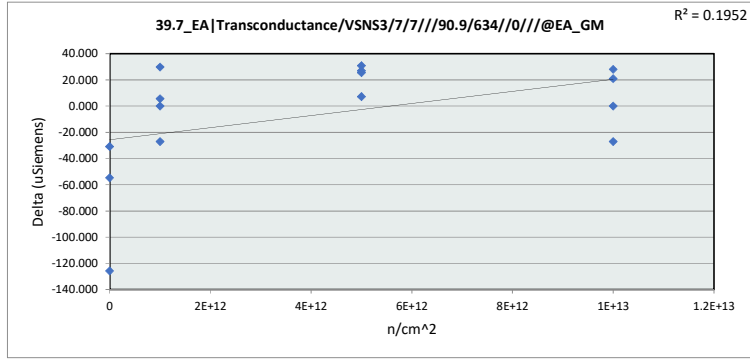


NDD Report
TPS7H4104-SP

39.7_EA|Transconductance/VSNS3/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2630	2582
Min Limit	1029	1077

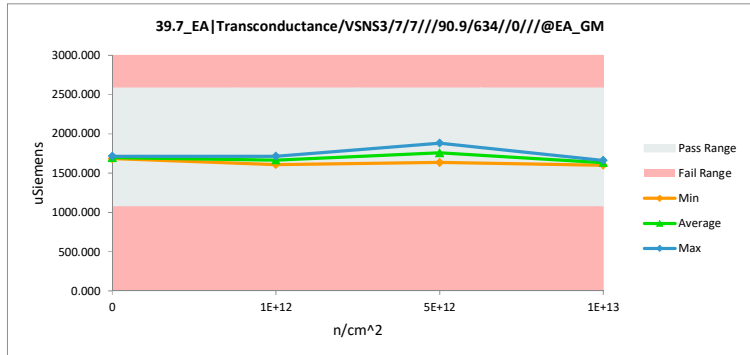
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1810.466	1684.739	-125.727
0	2	1745.341	1690.609	-54.732
0	3	1745.341	1714.505	-30.836
1E+12	10	1633.686	1606.639	-27.048
1E+12	11	1684.739	1714.505	29.766
1E+12	12	1655.989	1661.660	5.671
1E+12	13	1684.739	1684.739	0.000
5E+12	14	1714.505	1745.341	30.836
5E+12	15	1745.341	1770.821	25.479
5E+12	16	1873.378	1880.639	7.261
5E+12	17	1606.639	1633.686	27.048
1E+13	18	1580.472	1601.336	20.864
1E+13	19	1633.686	1661.660	27.974
1E+13	20	1633.686	1606.639	-27.048
1E+13	21	1655.989	1655.989	0.000
	Max	1873.378	1880.639	30.836
	Average	1693.600	1687.567	-6.033
	Min	1580.472	1601.336	-125.727
	Std Dev	79.535	73.095	42.419



39.7_EA|Transconductance/VSNS3

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	1606.639	1633.686	1601.336
Average	1696.618	1666.886	1757.622	1631.406
Max	1714.505	1714.505	1880.639	1661.660
UL	2582.000	2582.000	2582.000	2582.000

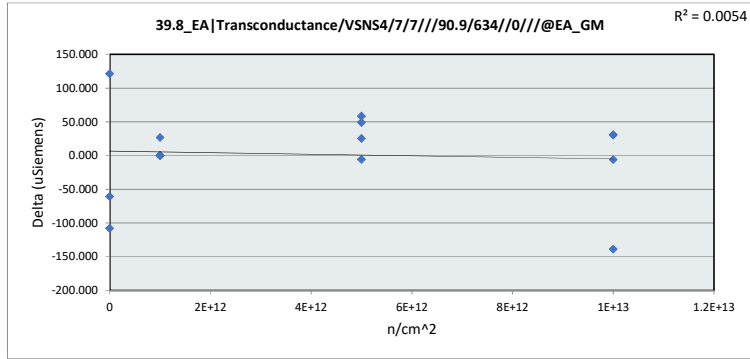


NDD Report
TPS7H4104-SP

39.8_EA|Transconductance/VSNS4/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uSiemens	uSiemens
Max Limit	2630	2582
Min Limit	1029	1077

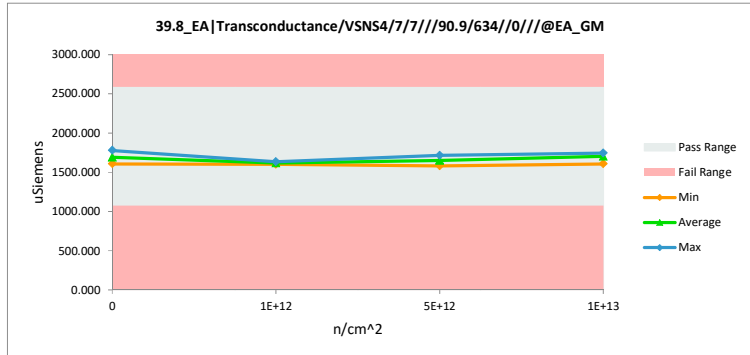
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1745.341	1684.739	-60.602
0	2	1655.989	1777.307	121.318
0	3	1714.505	1606.639	-107.866
1E+12	10	1606.639	1606.639	0.000
1E+12	11	1601.336	1601.336	0.000
1E+12	12	1633.686	1633.686	0.000
1E+12	13	1601.336	1628.204	26.868
5E+12	14	1555.144	1580.472	25.328
5E+12	15	1655.989	1714.505	58.516
5E+12	16	1661.660	1655.989	-5.671
5E+12	17	1606.639	1655.989	49.351
1E+13	18	1720.584	1714.505	-6.080
1E+13	19	1714.505	1745.341	30.836
1E+13	20	1745.341	1606.639	-138.703
1E+13	21	1714.505	1745.341	30.836
	Max	1745.341	1777.307	121.318
	Average	1662.213	1663.822	1.609
	Min	1555.144	1580.472	-138.703
	Std Dev	60.578	62.510	64.597



39.8_EA|Transconductance/VSNS4

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	1606.639	1601.336	1580.472	1606.639
Average	1689.562	1617.466	1651.739	1702.956
Max	1777.307	1633.686	1714.505	1745.341
UL	2582.000	2582.000	2582.000	2582.000

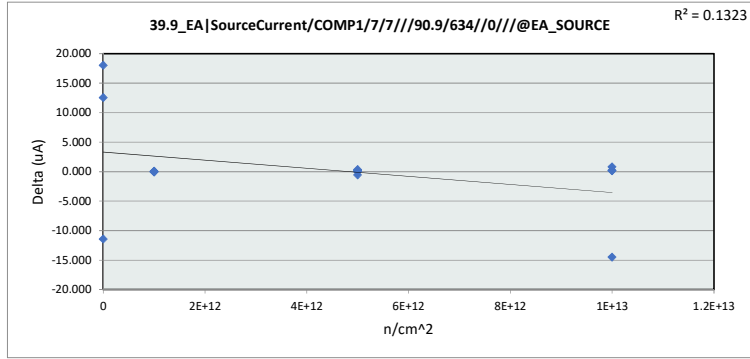


NDD Report
TPS7H4104-SP

39.9_EA|SourceCurrent/COMP1/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	88	89

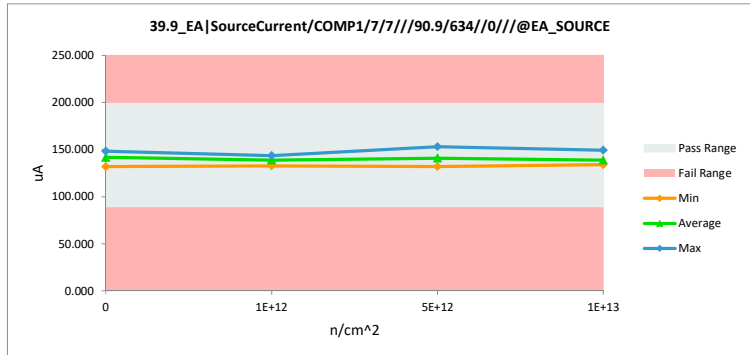
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	143.223	131.798	-11.425
0	2	132.592	145.161	12.569
0	3	130.319	148.335	18.016
1E+12	10	136.737	136.736	-0.001
1E+12	11	141.963	142.066	0.103
1E+12	12	132.756	132.793	0.037
1E+12	13	143.602	143.528	-0.075
5E+12	14	134.875	135.217	0.342
5E+12	15	153.596	153.024	-0.572
5E+12	16	143.630	143.787	0.156
5E+12	17	131.951	131.982	0.032
1E+13	18	133.884	134.090	0.206
1E+13	19	137.705	137.861	0.157
1E+13	20	148.550	134.043	-14.508
1E+13	21	148.405	149.197	0.792
	Max	153.596	153.024	18.016
	Average	139.586	139.975	0.389
	Min	130.319	131.798	-14.508
	Std Dev	7.131	6.935	7.665



39.9_EA|SourceCurrent/COMP1/7/7

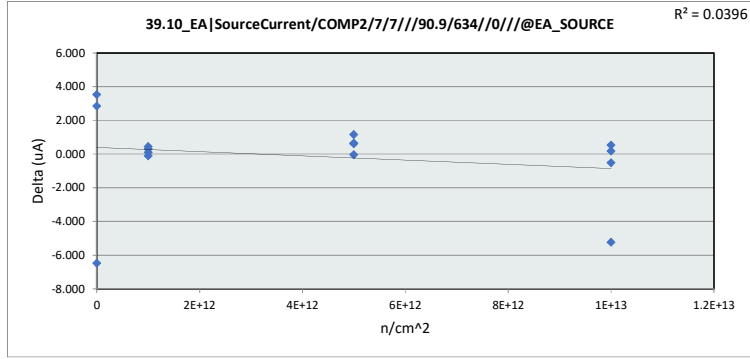
Test Site		
Tester		
Test Number		
Max Limit	199	uA
Min Limit	89	uA

n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	131.798	132.793	131.982	134.043
Average	141.765	138.780	141.003	138.798
Max	148.335	143.528	153.024	149.197
UL	199.000	199.000	199.000	199.000

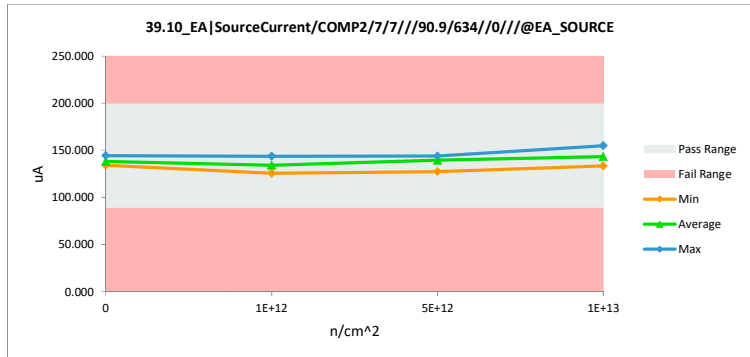


NDD Report
TPS7H4104-SP

39.10_EA SourceCurrent/COMP2/7/7///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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	142.687	136.209	-6.478
0	2	130.574	134.101	3.528
0	3	141.545	144.383	2.839
1E+12	10	134.988	134.878	-0.110
1E+12	11	143.692	143.782	0.090
1E+12	12	125.202	125.640	0.437
1E+12	13	131.922	132.215	0.293
5E+12	14	143.318	143.919	0.600
5E+12	15	143.783	143.745	-0.038
5E+12	16	141.943	142.589	0.646
5E+12	17	126.343	127.496	1.153
1E+13	18	133.951	133.427	-0.525
1E+13	19	154.747	154.923	0.176
1E+13	20	145.112	139.876	-5.236
1E+13	21	144.997	145.528	0.530
Max		154.747	154.923	3.528
Average		138.987	138.847	-0.140
Min		125.202	125.640	-6.478
Std Dev		8.136	7.768	2.572



39.10_EA SourceCurrent/COMP2/7/7///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	134.101	125.640	127.496	133.427
Average	138.231	134.129	139.437	143.438
Max	144.383	143.782	143.919	154.923
UL	199.000	199.000	199.000	199.000

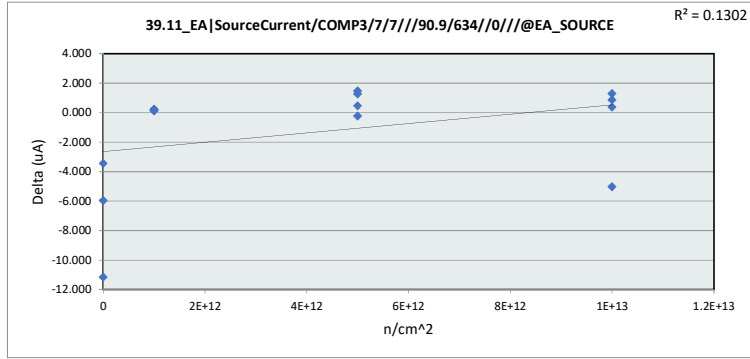


NDD Report
TPS7H4104-SP

39.11_EA|SourceCurrent/COMP3/7/7///90.9/634/0///EA_SOURCE

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	88	89

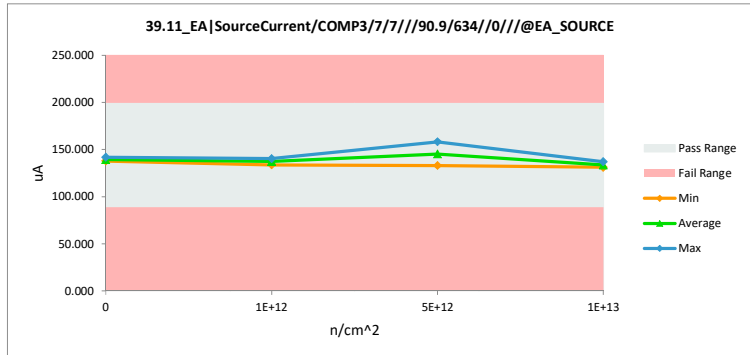
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	148.917	137.758	-11.158
0	2	144.310	138.349	-5.961
0	3	145.201	141.754	-3.447
1E+12	10	133.564	133.775	0.211
1E+12	11	140.236	140.360	0.124
1E+12	12	137.371	137.596	0.224
1E+12	13	137.122	137.295	0.173
5E+12	14	141.447	142.717	1.270
5E+12	15	147.021	146.793	-0.228
5E+12	16	156.763	158.240	1.477
5E+12	17	132.519	132.979	0.459
1E+13	18	130.253	131.548	1.296
1E+13	19	133.947	134.337	0.391
1E+13	20	136.188	131.163	-5.025
1E+13	21	136.147	137.015	0.868
Max		156.763	158.240	1.477
Average		140.067	138.779	-1.288
Min		130.253	131.163	-11.158
Std Dev		7.227	6.900	3.576



39.11_EA|SourceCurrent/COMP3/7/7///90.9/634/0///EA_SOURCE

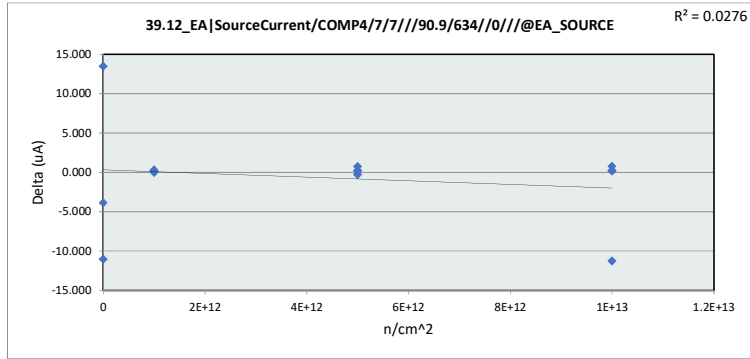
Test Site		
Tester		
Test Number		
Max Limit	199	uA
Min Limit	89	uA

n/cm^2	0	1E+12	5E+12	1E+13
LL	89.000	89.000	89.000	89.000
Min	137.758	133.775	132.979	131.163
Average	139.287	137.256	145.182	133.516
Max	141.754	140.360	158.240	137.015
UL	199.000	199.000	199.000	199.000

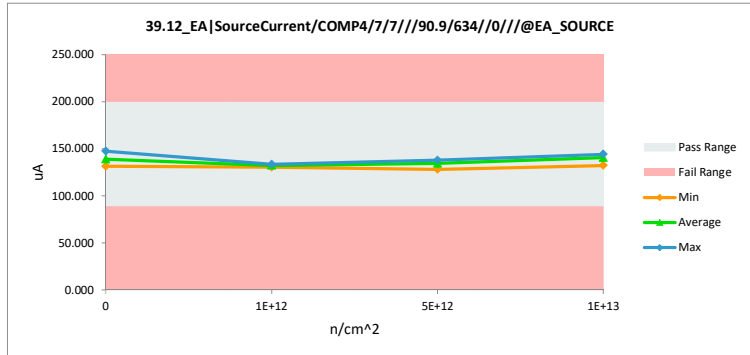


NDD Report
TPS7H4104-SP

39.12_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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	142.452	138.600	-3.852
0	2	133.876	147.361	13.485
0	3	142.384	131.336	-11.048
1E+12	10	130.352	130.480	0.128
1E+12	11	132.254	132.378	0.124
1E+12	12	133.074	133.380	0.306
1E+12	13	132.618	132.632	0.014
5E+12	14	127.254	128.015	0.761
5E+12	15	138.150	137.884	-0.266
5E+12	16	137.194	137.442	0.248
5E+12	17	134.667	134.888	0.221
1E+13	18	142.170	142.387	0.217
1E+13	19	143.277	144.044	0.767
1E+13	20	143.530	132.267	-11.263
1E+13	21	143.441	143.634	0.193
	Max	143.530	147.361	13.485
	Average	137.113	136.449	-0.664
	Min	127.254	128.015	-11.263
	Std Dev	5.488	5.761	5.609



39.12_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	131.336	130.481	128.015	132.267
Average	139.099	132.217	134.557	140.583
Max	147.361	133.380	137.884	144.044
UL	199.000	199.000	199.000	199.000

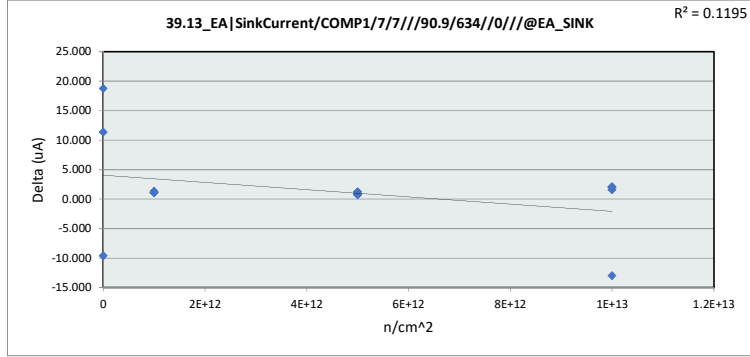


NDD Report
TPS7H4104-SP

39.13_EA|SinkCurrent/COMP1/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

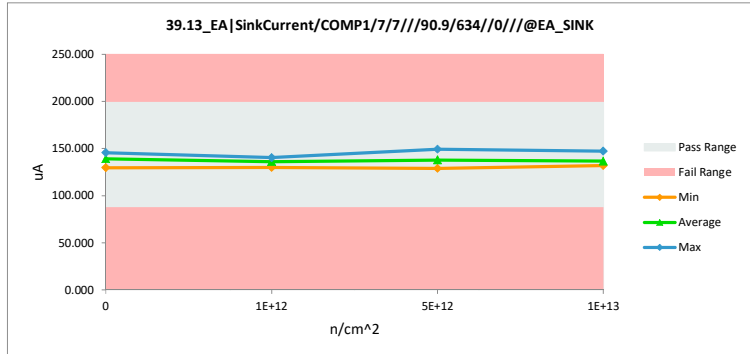
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	139.344	129.757	-9.587
0	2	130.316	141.682	11.367
0	3	126.841	145.602	18.761
1E+12	10	133.833	134.938	1.105
1E+12	11	137.560	138.895	1.335
1E+12	12	128.759	129.939	1.180
1E+12	13	139.270	140.357	1.087
5E+12	14	131.862	132.797	0.934
5E+12	15	148.611	149.330	0.718
5E+12	16	139.420	140.657	1.237
5E+12	17	128.138	128.962	0.824
1E+13	18	130.357	131.947	1.591
1E+13	19	133.505	135.526	2.021
1E+13	20	144.970	131.993	-12.977
1E+13	21	145.050	147.144	2.094
Max		148.611	149.330	18.761
Average		135.856	137.302	1.446
Min		126.841	128.962	-12.977
Std Dev		6.801	6.651	7.222



39.13_EA|SinkCurrent/COMP1/7/7

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	129.757	129.939	128.962	131.948
Average	139.014	136.032	137.936	136.653
Max	145.602	140.357	149.330	147.144
UL	199.000	199.000	199.000	199.000

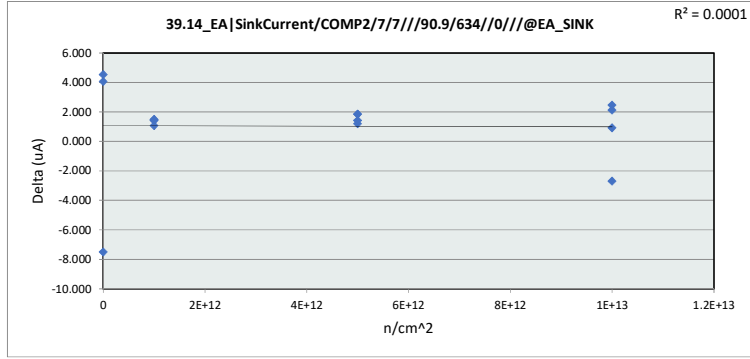


NDD Report
TPS7H4104-SP

39.14_EA|SinkCurrent/COMP2/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

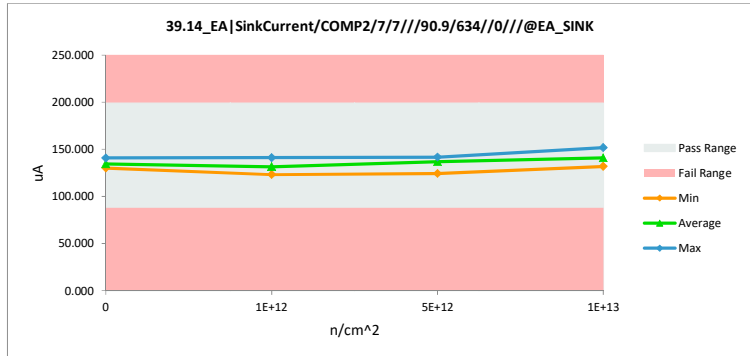
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	140.495	132.988	-7.507
0	2	126.045	130.099	4.054
0	3	136.269	140.796	4.526
1E+12	10	131.502	132.563	1.061
1E+12	11	139.614	141.027	1.412
1E+12	12	121.653	123.102	1.449
1E+12	13	127.893	129.379	1.487
5E+12	14	140.210	141.625	1.415
5E+12	15	140.424	141.609	1.185
5E+12	16	138.360	140.198	1.837
5E+12	17	122.450	124.292	1.842
1E+13	18	130.953	131.876	0.923
1E+13	19	149.206	151.662	2.456
1E+13	20	140.236	137.527	-2.709
1E+13	21	140.383	142.492	2.109
	Max	149.206	151.662	4.526
	Average	135.046	136.082	1.036
	Min	121.653	123.102	-7.507
	Std Dev	7.902	7.740	2.847



39.14_EA|SinkCurrent/COMP2/7/7

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	130.099	123.102	124.292	131.876
Average	134.627	131.518	136.931	140.889
Max	140.796	141.027	141.625	151.662
UL	199.000	199.000	199.000	199.000

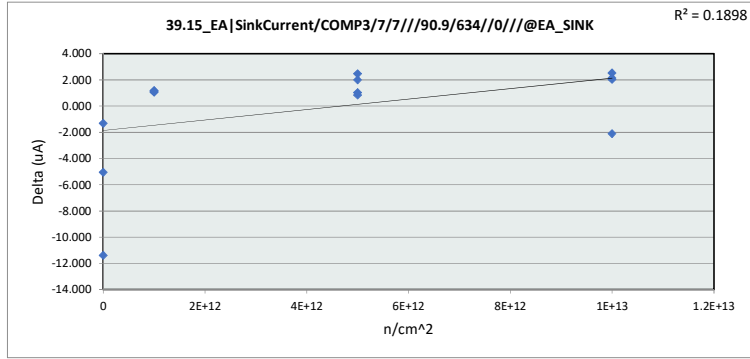


NDD Report
TPS7H4104-SP

39.15_EA|SinkCurrent/COMP3/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

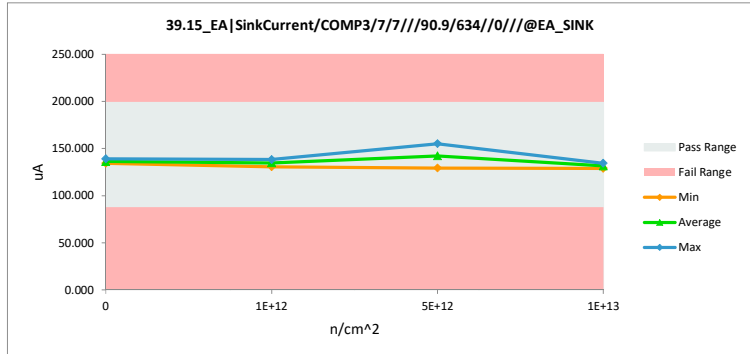
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	145.881	134.485	-11.396
0	2	139.880	134.829	-5.051
0	3	140.361	139.053	-1.307
1E+12	10	129.550	130.720	1.169
1E+12	11	137.070	138.165	1.094
1E+12	12	133.840	135.024	1.184
1E+12	13	134.591	135.655	1.064
5E+12	14	137.510	139.516	2.006
5E+12	15	143.231	144.077	0.846
5E+12	16	152.687	155.160	2.473
5E+12	17	128.354	129.385	1.031
1E+13	18	126.498	129.020	2.522
1E+13	19	130.731	132.870	2.138
1E+13	20	132.184	130.077	-2.107
1E+13	21	132.345	134.392	2.047
	Max	152.687	155.160	2.522
	Average	136.314	136.162	-0.152
	Min	126.498	129.020	-11.396
	Std Dev	7.157	6.713	3.716



39.15_EA|SinkCurrent/COMP3/7/7

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	134.485	130.720	129.385	129.020
Average	136.122	134.891	142.035	131.590
Max	139.053	138.165	155.160	134.392
UL	199.000	199.000	199.000	199.000

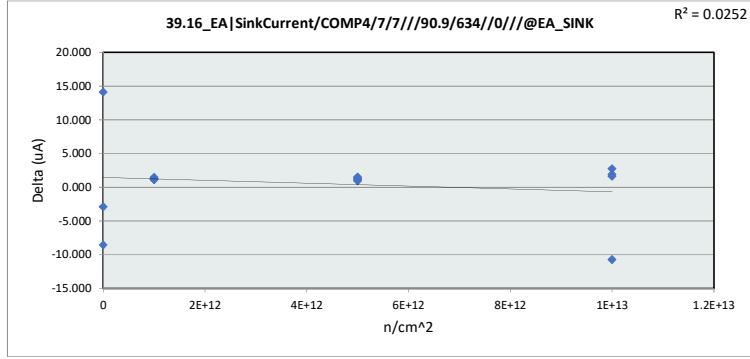


NDD Report
TPS7H4104-SP

39.16_EA|SinkCurrent/COMP4/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	200	199
Min Limit	87	88

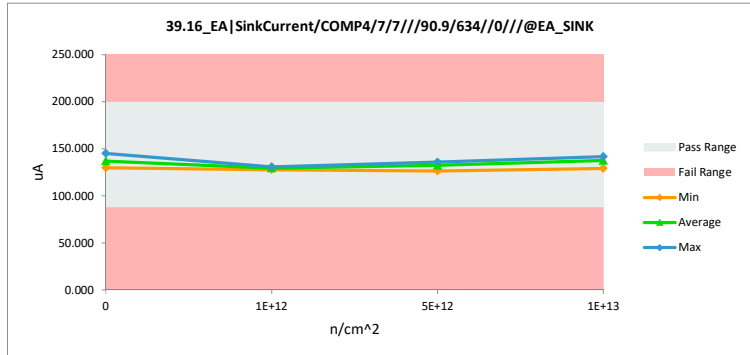
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	139.156	136.275	-2.880
0	2	130.832	144.956	14.123
0	3	138.211	129.641	-8.570
1E+12	10	126.504	127.767	1.263
1E+12	11	128.748	129.864	1.116
1E+12	12	129.173	130.636	1.463
1E+12	13	128.577	129.721	1.143
5E+12	14	124.802	126.336	1.534
5E+12	15	134.715	135.676	0.961
5E+12	16	133.728	135.051	1.323
5E+12	17	130.628	131.734	1.106
1E+13	18	136.724	138.656	1.932
1E+13	19	138.434	141.182	2.748
1E+13	20	139.741	129.029	-10.712
1E+13	21	139.886	141.512	1.626
	Max	139.886	144.956	14.123
	Average	133.324	133.869	0.545
	Min	124.802	126.336	-10.712
	Std Dev	5.177	5.680	5.464



39.16_EA|SinkCurrent/COMP4/7/7

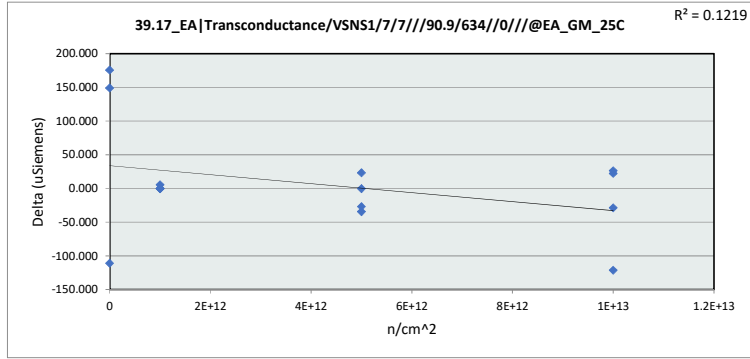
Test Site		
Tester		
Test Number		
Max Limit	199	uA
Min Limit	88	uA

n/cm^2	0	1E+12	5E+12	1E+13
LL	88.000	88.000	88.000	88.000
Min	129.641	127.767	126.336	129.029
Average	136.957	129.497	132.199	137.595
Max	144.956	130.636	135.676	141.512
UL	199.000	199.000	199.000	199.000

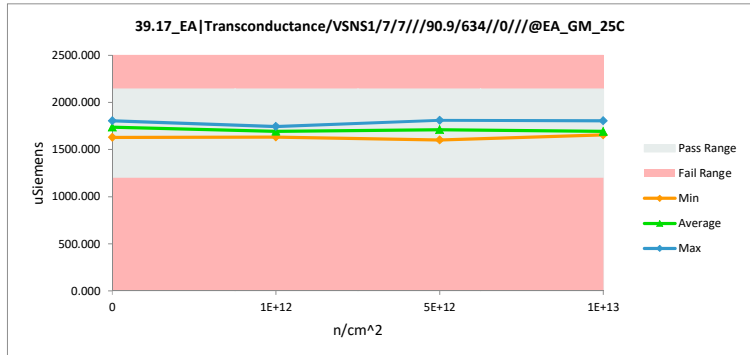


NDD Report
TPS7H4104-SP

39.17_EA Transconductance/VSNS1/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit		uSiemens	uSiemens	
Max Limit		2191	2143	
Min Limit		1153	1201	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1739.085	1628.204	-110.881
0	2	1628.204	1777.307	149.103
0	3	1628.204	1803.735	175.531
1E+12	10	1684.739	1684.739	0.000
1E+12	11	1714.505	1714.505	0.000
1E+12	12	1628.204	1633.686	5.482
1E+12	13	1745.341	1745.341	0.000
5E+12	14	1661.660	1684.739	23.079
5E+12	15	1844.885	1810.466	-34.419
5E+12	16	1745.341	1745.341	0.000
5E+12	17	1628.204	1601.336	-26.868
1E+13	18	1633.686	1655.989	22.303
1E+13	19	1684.739	1655.989	-28.750
1E+13	20	1777.307	1655.989	-121.318
1E+13	21	1777.307	1803.735	26.428
	Max	1844.885	1810.466	175.531
	Average	1701.428	1706.740	5.313
	Min	1628.204	1601.336	-121.318
	Std Dev	68.512	70.155	77.517

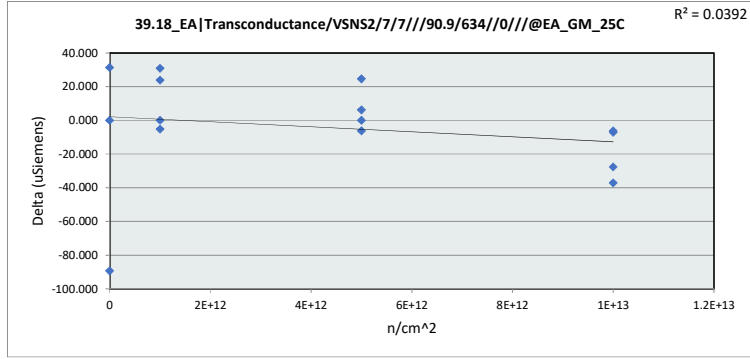


39.17_EA Transconductance/VSNS1				
Test Site				
Tester				
Test Number				
Max Limit	2143	uSiemens		
Min Limit	1201	uSiemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1628.204	1633.686	1601.336	1655.989
Average	1736.416	1694.568	1710.471	1692.926
Max	1803.736	1745.341	1810.466	1803.736
UL	2143.000	2143.000	2143.000	2143.000

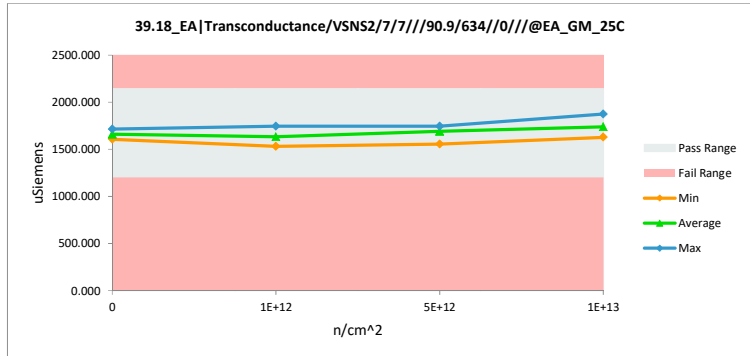


NDD Report
TPS7H4104-SP

39.18_EA Transconductance/VSNS2/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit		uSiemens	uSiemens	
Max Limit		2191	2143	
Min Limit		1153	1201	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1745.341	1655.989	-89.352
0	2	1575.340	1606.639	31.298
0	3	1714.505	1714.505	0.000
1E+12	10	1655.989	1655.989	0.000
1E+12	11	1714.505	1745.341	30.836
1E+12	12	1506.847	1530.615	23.767
1E+12	13	1606.639	1601.336	-5.302
5E+12	14	1745.341	1745.341	0.000
5E+12	15	1745.341	1739.085	-6.256
5E+12	16	1714.505	1720.584	6.080
5E+12	17	1530.615	1555.144	24.529
1E+13	18	1655.989	1628.204	-27.785
1E+13	19	1880.639	1873.378	-7.261
1E+13	20	1751.642	1714.505	-37.137
1E+13	21	1745.341	1739.085	-6.256
Max		1880.639	1873.378	31.298
Average		1685.905	1681.716	-4.189
Min		1506.847	1530.615	-89.352
Std Dev		98.308	88.725	30.665



39.18_EA Transconductance/VSNS				
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	1606.639	1530.615	1555.144	1628.204
Average	1659.044	1633.320	1690.039	1738.793
Max	1714.505	1745.341	1745.341	1873.378
UL	2143.000	2143.000	2143.000	2143.000

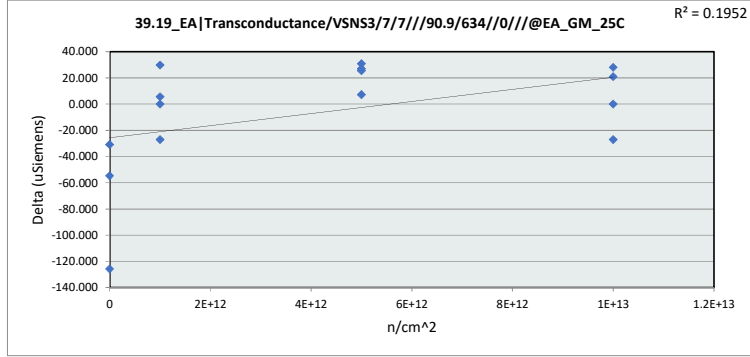


NDD Report
TPS7H4104-SP

39.19_EA|Transconductance/VSNS3/7/7///90.9

Test Site	
Tester	
Test Number	
Unit	uSiemens
Max Limit	2143
Min Limit	1153

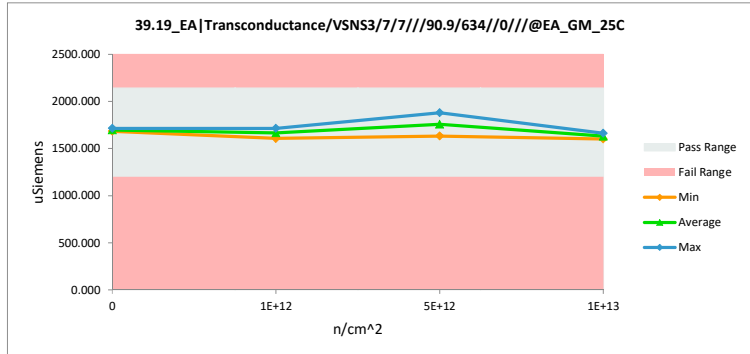
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1810.466	1684.739	-125.727
0	2	1745.341	1690.609	-54.732
0	3	1745.341	1714.505	-30.836
1E+12	10	1633.686	1606.639	-27.048
1E+12	11	1684.739	1714.505	29.766
1E+12	12	1655.989	1661.660	5.671
1E+12	13	1684.739	1684.739	0.000
5E+12	14	1714.505	1745.341	30.836
5E+12	15	1745.341	1770.821	25.479
5E+12	16	1873.378	1880.639	7.261
5E+12	17	1606.639	1633.686	27.048
1E+13	18	1580.472	1601.336	20.864
1E+13	19	1633.686	1661.660	27.974
1E+13	20	1633.686	1606.639	-27.048
1E+13	21	1655.989	1655.989	0.000
Max		1873.378	1880.639	30.836
Average		1693.600	1687.567	-6.033
Min		1580.472	1601.336	-125.727
Std Dev		79.535	73.095	42.419



39.19_EA|Transconductance/VSNS

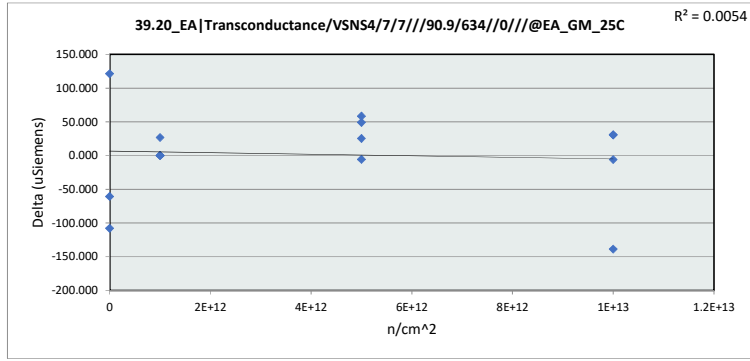
Test Site	
Tester	
Test Number	
Max Limit	2143
Min Limit	1201

n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1684.739	1606.639	1633.686	1601.336
Average	1696.618	1666.886	1757.622	1631.406
Max	1714.505	1714.505	1880.639	1661.660
UL	2143.000	2143.000	2143.000	2143.000

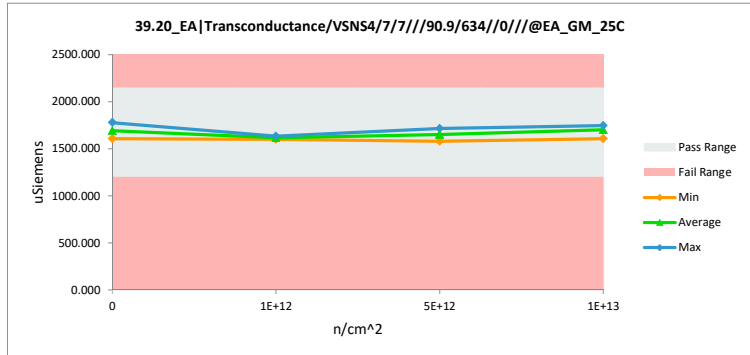


NDD Report
TPS7H4104-SP

39.20_EA Transconductance/VSNS4/7/7///90.9				
Test Site				
Tester				
Test Number				
Unit	uSiemens	uSiemens		
Max Limit	2191	2143		
Min Limit	1153	1201		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1745.341	1684.739	-60.602
0	2	1655.989	1777.307	121.318
0	3	1714.505	1606.639	-107.866
1E+12	10	1606.639	1606.639	0.000
1E+12	11	1601.336	1601.336	0.000
1E+12	12	1633.686	1633.686	0.000
1E+12	13	1601.336	1628.204	26.868
5E+12	14	1555.144	1580.472	25.328
5E+12	15	1655.989	1714.505	58.516
5E+12	16	1661.660	1655.989	-5.671
5E+12	17	1606.639	1655.989	49.351
1E+13	18	1720.584	1714.505	-6.080
1E+13	19	1714.505	1745.341	30.836
1E+13	20	1745.341	1606.639	-138.703
1E+13	21	1714.505	1745.341	30.836
	Max	1745.341	1777.307	121.318
	Average	1662.213	1663.822	1.609
	Min	1555.144	1580.472	-138.703
	Std Dev	60.578	62.510	64.597

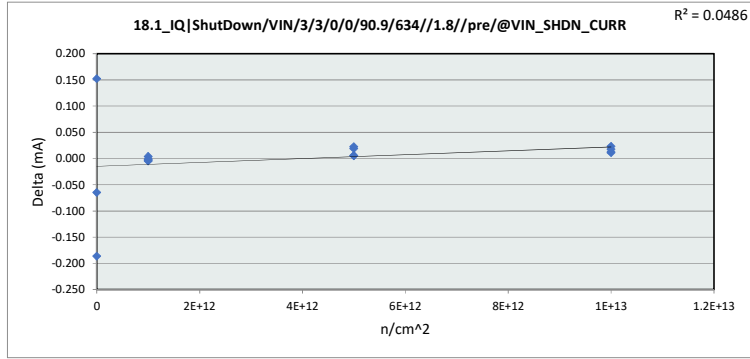


39.20_EA Transconductance/VSNS4/7/7///90.9				
Test Site				
Tester				
Test Number				
Max Limit	2143	uSiemens		
Min Limit	1201	uSiemens		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1201.000	1201.000	1201.000	1201.000
Min	1606.639	1601.336	1580.472	1606.639
Average	1689.562	1617.466	1651.739	1702.956
Max	1777.307	1633.686	1714.505	1745.341
UL	2143.000	2143.000	2143.000	2143.000

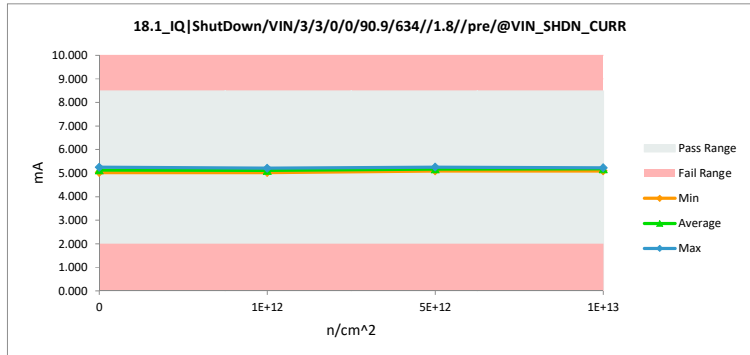


NDD Report
TPS7H4104-SP

18.1_IQ ShutDown/VIN/3/3/0/0/90.9/634//1.8//pre/@VIN_SHDN_CURR				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.213	5.027	-0.186
0	2	5.091	5.244	0.152
0	3	5.193	5.129	-0.065
1E+12	10	5.031	5.028	-0.003
1E+12	11	5.208	5.207	-0.001
1E+12	12	5.088	5.091	0.004
1E+12	13	5.116	5.112	-0.004
5E+12	14	5.102	5.125	0.022
5E+12	15	5.251	5.257	0.005
5E+12	16	5.185	5.204	0.019
5E+12	17	5.087	5.093	0.006
1E+13	18	5.081	5.093	0.013
1E+13	19	5.200	5.218	0.018
1E+13	20	5.188	5.211	0.023
1E+13	21	5.190	5.201	0.011
	Max	5.251	5.257	0.152
	Average	5.148	5.149	0.001
	Min	5.031	5.027	-0.186
	Std Dev	0.065	0.076	0.068



18.1_IQ ShutDown/VIN/3/3/0/0/				
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	5.027	5.028	5.093	5.093
Average	5.133	5.110	5.170	5.181
Max	5.244	5.207	5.257	5.218
UL	8.482	8.482	8.482	8.482

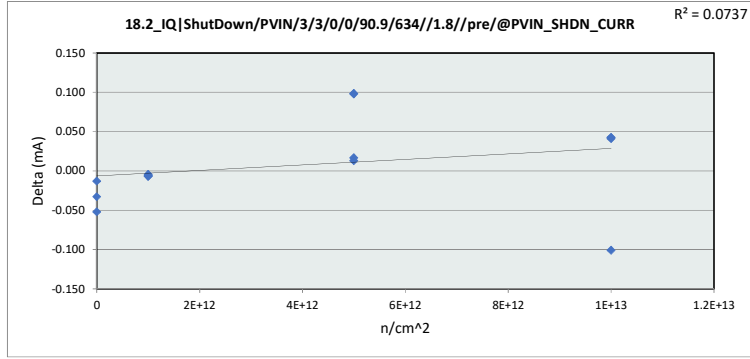


NDD Report
TPS7H4104-SP

18.2_IQ|ShutDown/PVIN/3/3/0/0/90.9/634//

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	4.3	4.216
Min Limit	0.3568	1

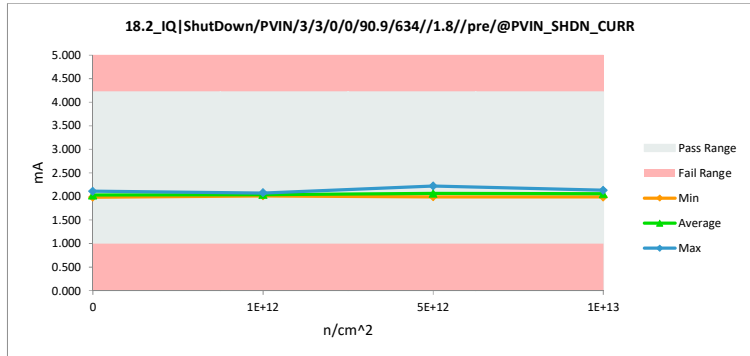
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.033	1.981	-0.052
0	2	2.029	1.996	-0.033
0	3	2.123	2.109	-0.013
1E+12	10	2.081	2.075	-0.007
1E+12	11	2.041	2.035	-0.006
1E+12	12	2.041	2.037	-0.005
1E+12	13	2.016	2.010	-0.007
5E+12	14	2.123	2.221	0.098
5E+12	15	1.975	1.992	0.016
5E+12	16	1.912	2.010	0.098
5E+12	17	2.014	2.027	0.013
1E+13	18	1.962	2.004	0.041
1E+13	19	2.067	2.109	0.043
1E+13	20	2.088	1.987	-0.101
1E+13	21	2.088	2.131	0.042
Max		2.123	2.221	0.098
Average		2.040	2.048	0.008
Min		1.912	1.981	-0.101
Std Dev		0.059	0.068	0.052



18.2_IQ|ShutDown/PVIN/3/3/0/0/90.9/634//

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	1.981	2.010	1.992	1.987
Average	2.029	2.039	2.063	2.057
Max	2.109	2.075	2.221	2.131
UL	4.216	4.216	4.216	4.216

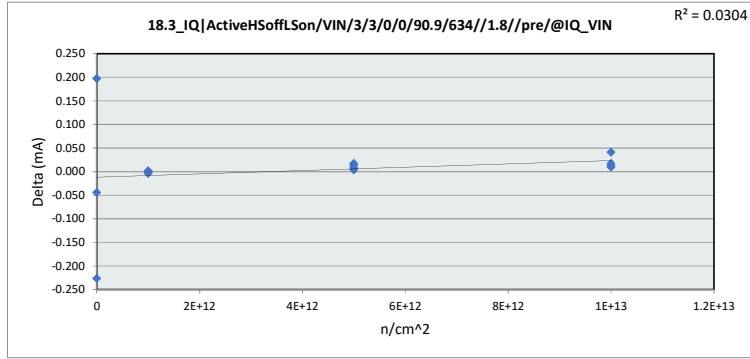


NDD Report
TPS7H4104-SP

18.3_IQ|ActiveHSoffLson/VIN/3/3/0/0/90.9/634//1.8//pre/@IQ_VIN

Test Site	
Tester	
Test Number	
Unit	mA
Max Limit	15
Min Limit	-0.5976

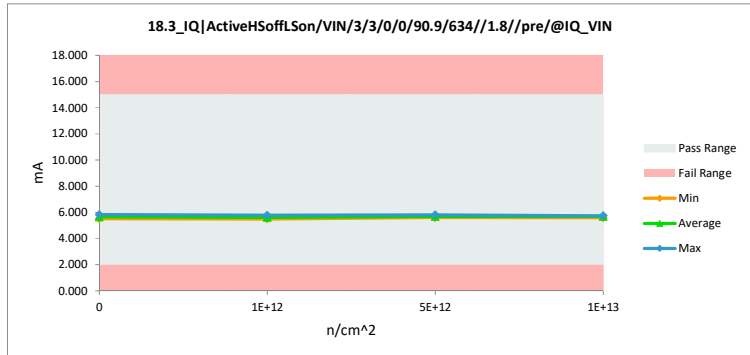
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.736	5.509	-0.227
0	2	5.626	5.824	0.197
0	3	5.699	5.654	-0.044
1E+12	10	5.487	5.488	0.001
1E+12	11	5.779	5.778	0.000
1E+12	12	5.599	5.600	0.002
1E+12	13	5.620	5.616	-0.003
5E+12	14	5.586	5.604	0.017
5E+12	15	5.794	5.798	0.004
5E+12	16	5.729	5.744	0.014
5E+12	17	5.611	5.619	0.008
1E+13	18	5.567	5.581	0.013
1E+13	19	5.722	5.740	0.017
1E+13	20	5.690	5.732	0.041
1E+13	21	5.692	5.701	0.010
Max		5.794	5.824	0.197
Average		5.662	5.666	0.003
Min		5.487	5.488	-0.227
Std Dev		0.086	0.103	0.082



18.3_IQ|ActiveHSoffLson/VIN/3/3/0/0/90.9/634//1.8//pre/@IQ_VIN

Test Site	
Tester	
Test Number	
Max Limit	14.988
Min Limit	2

n/cm^2	0	1E+12	5E+12	1E+13
LL	2.000	2.000	2.000	2.000
Min	5.509	5.488	5.604	5.581
Average	5.662	5.621	5.691	5.688
Max	5.824	5.778	5.798	5.740
UL	14.988	14.988	14.988	14.988

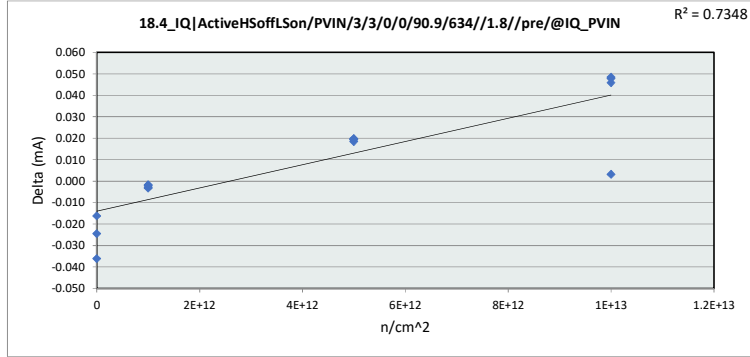


NDD Report
TPS7H4104-SP

18.4_IQ|ActiveHSoffLson/PVIN/3/3/0/0/90.9/

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	3.7	3.682
Min Limit	0.4636	1

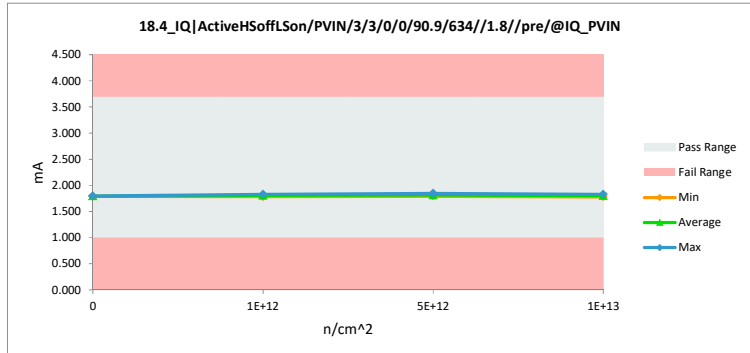
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.826	1.790	-0.036
0	2	1.816	1.791	-0.025
0	3	1.811	1.795	-0.016
1E+12	10	1.787	1.783	-0.003
1E+12	11	1.819	1.816	-0.003
1E+12	12	1.828	1.826	-0.002
1E+12	13	1.808	1.806	-0.002
5E+12	14	1.825	1.845	0.020
5E+12	15	1.774	1.793	0.019
5E+12	16	1.782	1.801	0.020
5E+12	17	1.795	1.814	0.018
1E+13	18	1.746	1.794	0.048
1E+13	19	1.760	1.808	0.049
1E+13	20	1.778	1.781	0.003
1E+13	21	1.779	1.825	0.046
	Max	1.828	1.845	0.049
	Average	1.796	1.805	0.009
	Min	1.746	1.781	-0.036
	Std Dev	0.026	0.018	0.026



18.4_IQ|ActiveHSoffLson/PVIN/3/

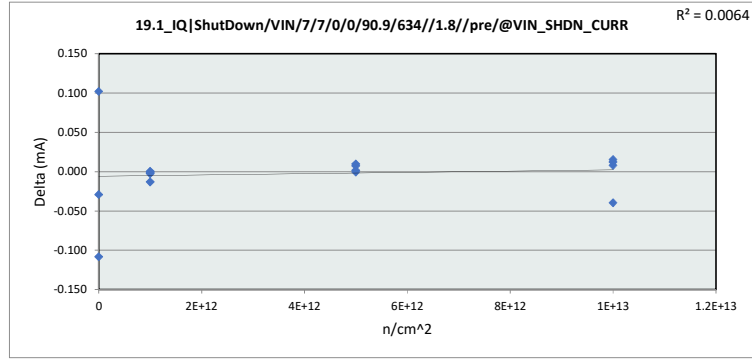
Test Site		
Tester		
Test Number		
Max Limit	3.682	mA
Min Limit	1	mA

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	1.790	1.784	1.793	1.781
Average	1.792	1.808	1.813	1.802
Max	1.795	1.826	1.845	1.825
UL	3.682	3.682	3.682	3.682

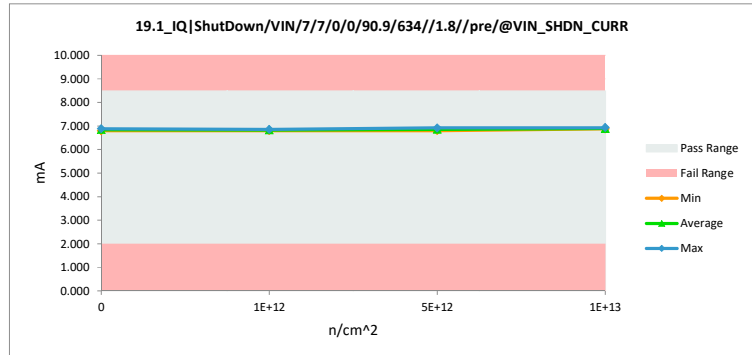


NDD Report TPS7H4104-SP

19.1_IQ ShutDown/VIN/7/7/0/0/90.9/634//1.8//pre/@VIN_SHDN_CURR				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.904	6.796	-0.108
0	2	6.779	6.881	0.102
0	3	6.879	6.850	-0.029
1E+12	10	6.814	6.811	-0.003
1E+12	11	6.847	6.846	-0.001
1E+12	12	6.799	6.799	0.001
1E+12	13	6.865	6.852	-0.013
5E+12	14	6.819	6.828	0.010
5E+12	15	6.912	6.914	0.002
5E+12	16	6.870	6.877	0.007
5E+12	17	6.801	6.801	-0.001
1E+13	18	6.865	6.877	0.012
1E+13	19	6.874	6.890	0.015
1E+13	20	6.919	6.880	-0.039
1E+13	21	6.921	6.929	0.008
Max		6.921	6.929	0.102
Average		6.858	6.855	-0.002
Min		6.779	6.796	-0.108
Std Dev		0.047	0.042	0.042



19.1_IQ ShutDown/VIN/7/7/0/0/90.9/634//1.8//pre/@VIN_SHDN_CURR				
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	6.796	6.799	6.801	6.877
Average	6.842	6.827	6.855	6.894
Max	6.881	6.852	6.914	6.929
UL	8.482	8.482	8.482	8.482

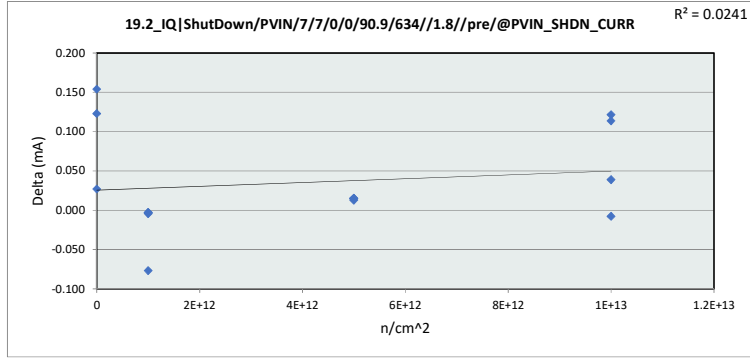


NDD Report TPS7H4104-SP

19.2_IQ|ShutDown/PVIN/7/7/0/0/90.9/634//

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	4.3	4.216
Min Limit	0.3568	1

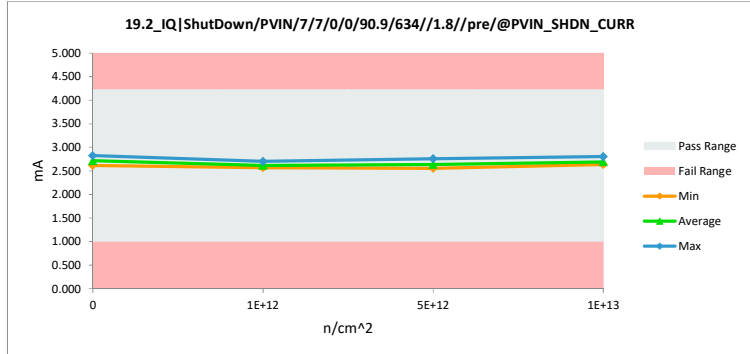
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.587	2.614	0.027
0	2	2.582	2.704	0.123
0	3	2.669	2.822	0.154
1E+12	10	2.706	2.701	-0.005
1E+12	11	2.601	2.597	-0.003
1E+12	12	2.610	2.606	-0.003
1E+12	13	2.644	2.567	-0.077
5E+12	14	2.742	2.757	0.015
5E+12	15	2.537	2.552	0.015
5E+12	16	2.556	2.569	0.013
5E+12	17	2.649	2.664	0.014
1E+13	18	2.678	2.800	0.121
1E+13	19	2.533	2.646	0.113
1E+13	20	2.642	2.635	-0.008
1E+13	21	2.644	2.682	0.039
	Max	2.742	2.822	0.154
	Average	2.625	2.661	0.036
	Min	2.533	2.552	-0.077
	Std Dev	0.061	0.084	0.063



19.2_IQ|ShutDown/PVIN/7/7/0/0/90.9/634//

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	2.614	2.567	2.552	2.635
Average	2.714	2.618	2.636	2.691
Max	2.822	2.702	2.757	2.800
UL	4.216	4.216	4.216	4.216

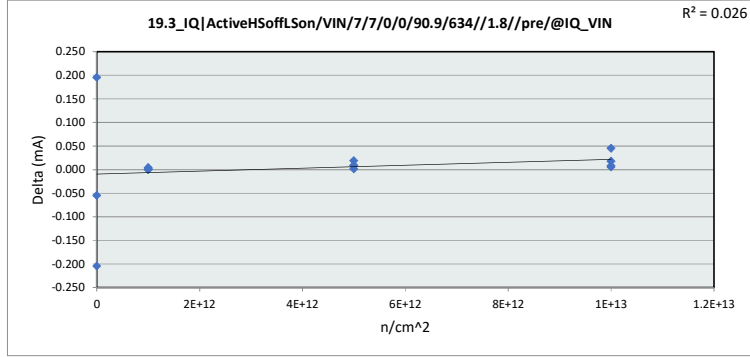


NDD Report TPS7H4104-SP

19.3_IQ|ActiveHSoffLson/VIN/7/7/0/0/90.9/634//1.8//pre/@IQ_VIN

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	15	14.988
Min Limit	-0.5976	2

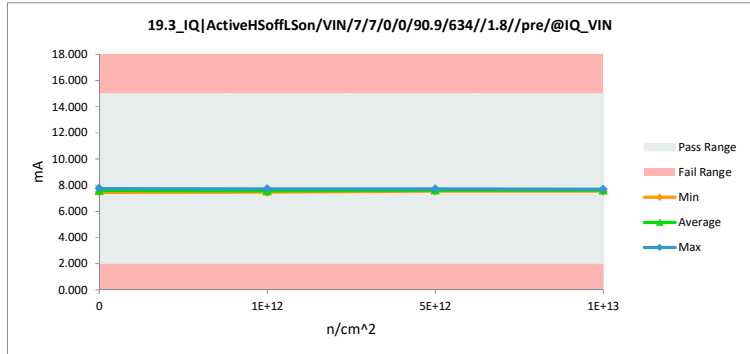
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	7.661	7.457	-0.204
0	2	7.555	7.751	0.196
0	3	7.637	7.582	-0.055
1E+12	10	7.464	7.466	0.002
1E+12	11	7.718	7.718	0.001
1E+12	12	7.537	7.541	0.004
1E+12	13	7.540	7.540	0.000
5E+12	14	7.526	7.545	0.019
5E+12	15	7.712	7.713	0.002
5E+12	16	7.655	7.664	0.009
5E+12	17	7.540	7.549	0.009
1E+13	18	7.521	7.529	0.008
1E+13	19	7.677	7.694	0.018
1E+13	20	7.607	7.652	0.045
1E+13	21	7.604	7.610	0.006
	Max	7.718	7.751	0.196
	Average	7.597	7.601	0.004
	Min	7.464	7.457	-0.204
	Std Dev	0.077	0.093	0.078



19.3_IQ|ActiveHSoffLson/VIN/7/7/0/0/90.9/634//1.8//pre/@IQ_VIN

Test Site		
Tester		
Test Number		
Max Limit	14.988	mA
Min Limit	2	mA

n/cm^2	0	1E+12	5E+12	1E+13
LL	2.000	2.000	2.000	2.000
Min	7.457	7.466	7.545	7.529
Average	7.597	7.566	7.618	7.621
Max	7.751	7.718	7.713	7.694
UL	14.988	14.988	14.988	14.988

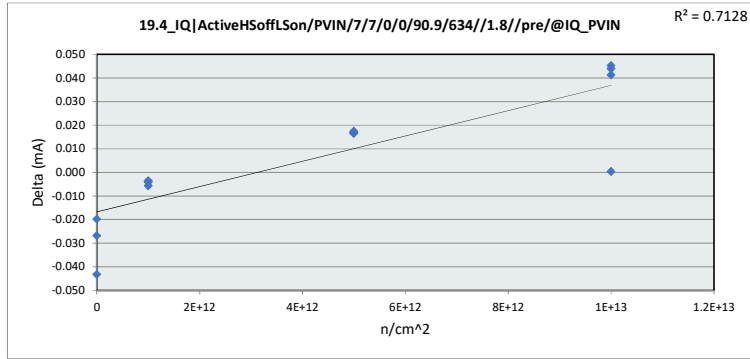


NDD Report
TPS7H4104-SP

19.4_IQ|ActiveHSoffLson/PVIN/7/7/0/0/90.9/

Test Site		
Tester		
Test Number		
Unit	mA	mA
Max Limit	3.7	3.682
Min Limit	0.4636	1

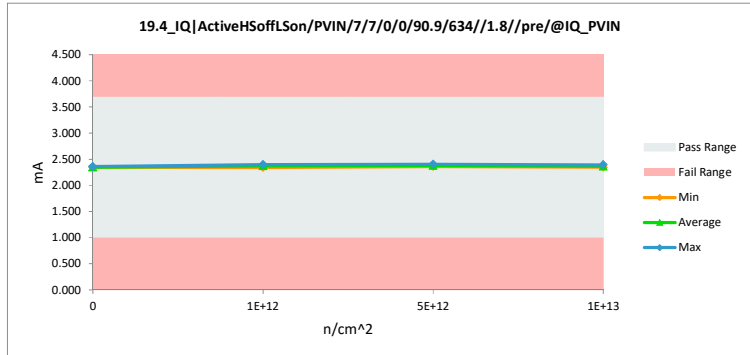
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.391	2.348	-0.043
0	2	2.370	2.343	-0.027
0	3	2.377	2.358	-0.020
1E+12	10	2.345	2.340	-0.006
1E+12	11	2.383	2.379	-0.004
1E+12	12	2.398	2.395	-0.004
1E+12	13	2.372	2.368	-0.004
5E+12	14	2.386	2.402	0.017
5E+12	15	2.343	2.361	0.018
5E+12	16	2.351	2.367	0.017
5E+12	17	2.361	2.378	0.017
1E+13	18	2.302	2.346	0.044
1E+13	19	2.319	2.365	0.045
1E+13	20	2.347	2.348	0.000
1E+13	21	2.349	2.391	0.041
Max		2.398	2.402	0.045
Average		2.360	2.366	0.006
Min		2.302	2.340	-0.043
Std Dev		0.027	0.020	0.026



19.4_IQ|ActiveHSoffLson/PVIN/7/

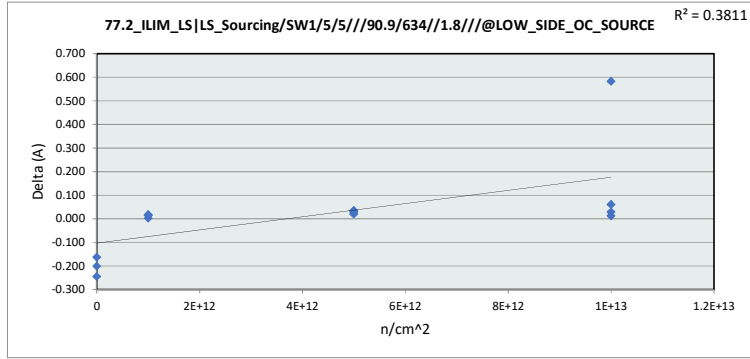
Test Site		
Tester		
Test Number		
Max Limit	3.682	mA
Min Limit	1	mA

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.000	1.000	1.000	1.000
Min	2.343	2.340	2.361	2.346
Average	2.350	2.370	2.377	2.362
Max	2.358	2.395	2.403	2.391
UL	3.682	3.682	3.682	3.682

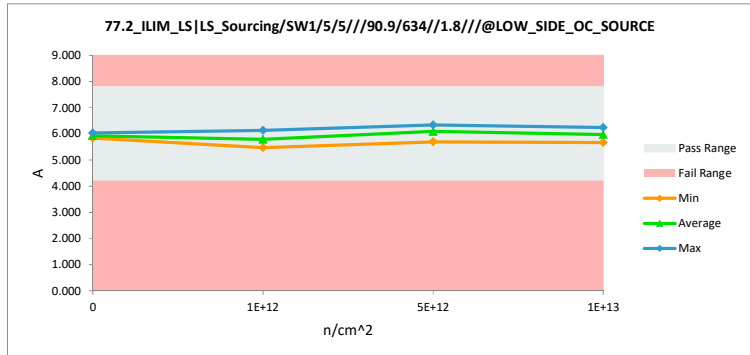


NDD Report
TPS7H4104-SP

77.2_ILIM_LS LS_Sourcing/SW1/5/5///90.9/6				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.038	5.838	-0.200
0	2	6.196	6.034	-0.162
0	3	6.136	5.891	-0.245
1E+12	10	5.453	5.468	0.015
1E+12	11	6.115	6.131	0.016
1E+12	12	5.851	5.868	0.017
1E+12	13	5.688	5.691	0.003
5E+12	14	5.658	5.694	0.036
5E+12	15	6.313	6.341	0.028
5E+12	16	6.239	6.271	0.032
5E+12	17	6.046	6.066	0.020
1E+13	18	5.970	5.999	0.029
1E+13	19	5.938	5.999	0.061
1E+13	20	5.656	6.239	0.583
1E+13	21	5.655	5.668	0.013
Max		6.313	6.341	0.583
Average		5.930	5.946	0.016
Min		5.453	5.468	-0.245
Std Dev		0.258	0.248	0.183

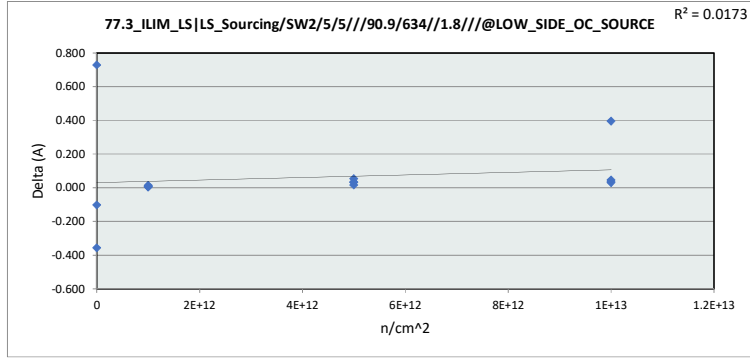


77.2_ILIM_LS LS_Sourcing/SW1/5				
Test Site				
Tester				
Test Number				
Max Limit	7.792		A	
Min Limit	4.208		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.838	5.468	5.694	5.668
Average	5.921	5.790	6.093	5.976
Max	6.034	6.131	6.341	6.239
UL	7.792	7.792	7.792	7.792

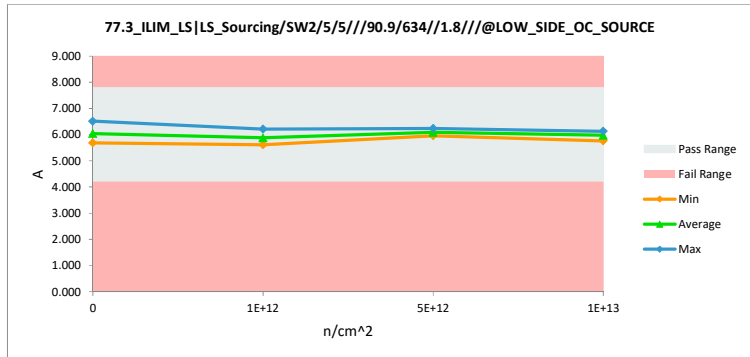


NDD Report
TPS7H4104-SP

77.3_ILIM_LS LS_Sourcing/SW2/5/5///90.9/6				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.041	5.683	-0.358
0	2	5.783	6.511	0.728
0	3	6.028	5.926	-0.102
1E+12	10	5.603	5.611	0.008
1E+12	11	6.208	6.211	0.003
1E+12	12	5.960	5.973	0.013
1E+12	13	5.699	5.706	0.008
5E+12	14	5.943	5.996	0.053
5E+12	15	6.133	6.148	0.015
5E+12	16	6.201	6.234	0.033
5E+12	17	5.926	5.958	0.033
1E+13	18	5.848	5.885	0.037
1E+13	19	6.086	6.131	0.045
1E+13	20	5.731	6.126	0.395
1E+13	21	5.733	5.763	0.030
	Max	6.208	6.511	0.728
	Average	5.928	5.991	0.063
	Min	5.603	5.611	-0.358
	Std Dev	0.190	0.243	0.235

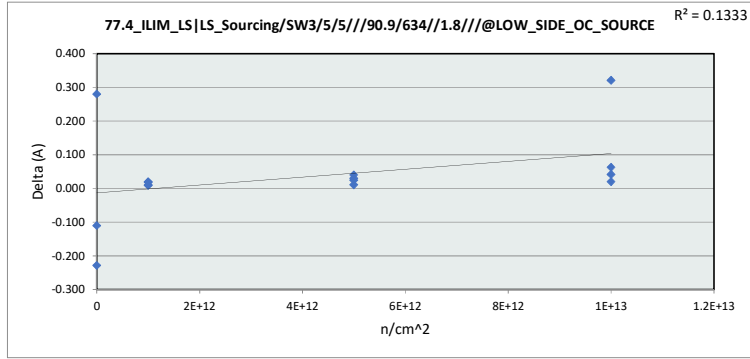


77.3_ILIM_LS LS_Sourcing/SW2/5/5///90.9/634//1.8///@LOW_SIDE_OC_SOURCE				
Test Site				
Tester				
Test Number				
Max Limit	7.792		A	
Min Limit	4.208		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.683	5.611	5.958	5.763
Average	6.040	5.875	6.084	5.976
Max	6.511	6.211	6.234	6.131
UL	7.792	7.792	7.792	7.792

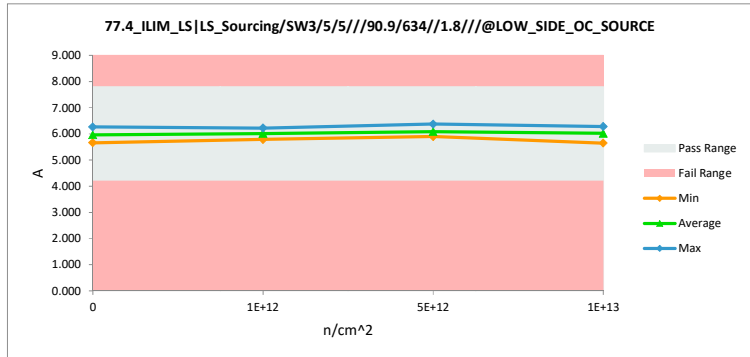


NDD Report
TPS7H4104-SP

77.4_ILIM_LS LS_Sourcing/SW3/5/5///90.9/6				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.886	5.658	-0.228
0	2	5.979	6.259	0.280
0	3	6.069	5.958	-0.110
1E+12	10	5.774	5.784	0.010
1E+12	11	6.200	6.209	0.009
1E+12	12	5.809	5.828	0.020
1E+12	13	6.205	6.224	0.019
5E+12	14	5.857	5.897	0.040
5E+12	15	5.978	5.990	0.011
5E+12	16	6.341	6.372	0.030
5E+12	17	6.069	6.094	0.025
1E+13	18	5.601	5.643	0.042
1E+13	19	6.211	6.274	0.063
1E+13	20	5.918	6.239	0.321
1E+13	21	5.912	5.932	0.020
	Max	6.341	6.372	0.321
	Average	5.987	6.024	0.037
	Min	5.601	5.643	-0.228
	Std Dev	0.197	0.234	0.130



77.4_ILIM_LS LS_Sourcing/SW3/5/5///90.9/634//1.8///@LOW_SIDE_OC_SOURCE				
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	5.658	5.784	5.897	5.643
Average	5.958	6.011	6.088	6.022
Max	6.259	6.224	6.372	6.274
UL	7.792	7.792	7.792	7.792

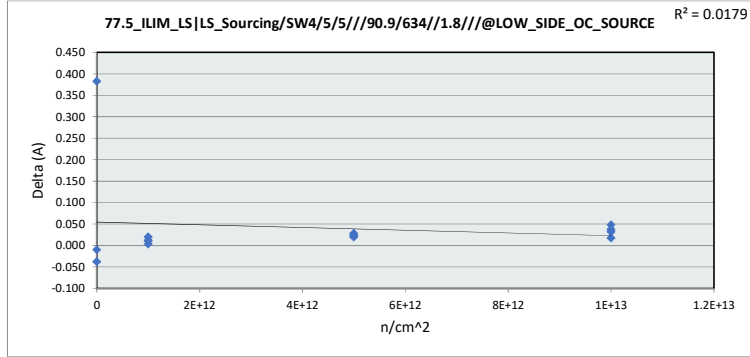


NDD Report
TPS7H4104-SP

77.5_ILIM_LS|LS_Sourcing/SW4/5/5///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

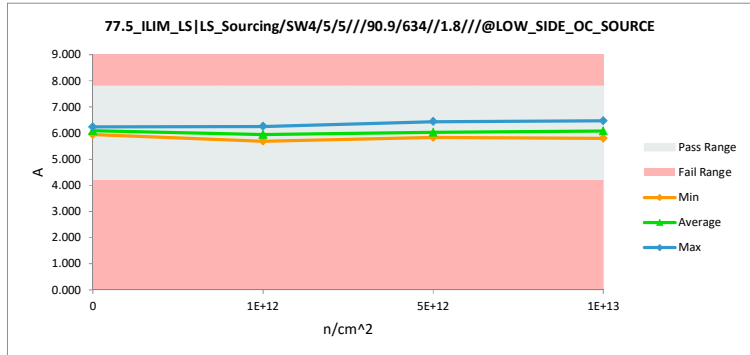
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.984	5.946	-0.038
0	2	5.849	6.232	0.383
0	3	6.092	6.082	-0.010
1E+12	10	5.686	5.689	0.003
1E+12	11	6.232	6.252	0.020
1E+12	12	5.979	5.990	0.011
1E+12	13	5.834	5.846	0.013
5E+12	14	5.891	5.914	0.023
5E+12	15	6.409	6.437	0.028
5E+12	16	5.799	5.826	0.027
5E+12	17	5.909	5.929	0.020
1E+13	18	5.759	5.797	0.038
1E+13	19	6.419	6.467	0.048
1E+13	20	5.991	6.024	0.032
1E+13	21	5.994	6.012	0.017
Max		6.419	6.467	0.383
Average		5.989	6.029	0.041
Min		5.686	5.689	-0.038
Std Dev		0.219	0.228	0.097



77.5_ILIM_LS|LS_Sourcing/SW4/5

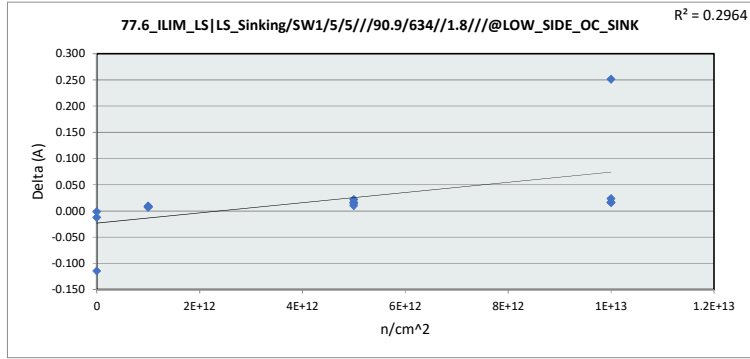
Test Site		
Tester		
Test Number		
Max Limit	7.792	A
Min Limit	4.208	A

n/cm^2	0	1E+12	5E+12	1E+13
LL	4.208	4.208	4.208	4.208
Min	5.946	5.689	5.826	5.797
Average	6.087	5.944	6.026	6.075
Max	6.232	6.252	6.437	6.467
UL	7.792	7.792	7.792	7.792

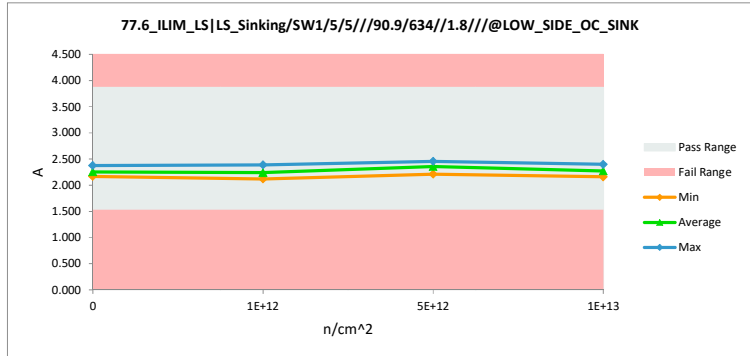


NDD Report
TPS7H4104-SP

77.6_ILIM_LS LS_Sinking/SW1/5/5///90.9/634				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.279	2.164	-0.114
0	2	2.388	2.375	-0.012
0	3	2.224	2.223	-0.001
1E+12	10	2.111	2.119	0.008
1E+12	11	2.378	2.387	0.009
1E+12	12	2.247	2.256	0.009
1E+12	13	2.182	2.189	0.007
5E+12	14	2.188	2.210	0.022
5E+12	15	2.446	2.456	0.010
5E+12	16	2.365	2.378	0.014
5E+12	17	2.367	2.383	0.016
1E+13	18	2.190	2.207	0.016
1E+13	19	2.298	2.322	0.024
1E+13	20	2.146	2.397	0.252
1E+13	21	2.144	2.160	0.016
Max		2.446	2.456	0.252
Average		2.264	2.282	0.018
Min		2.111	2.119	-0.114
Std Dev		0.105	0.108	0.073

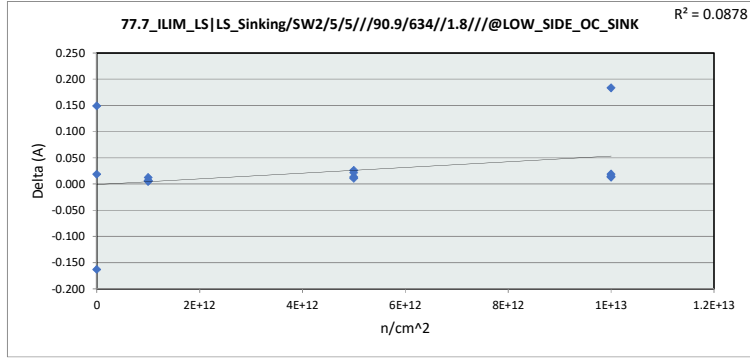


77.6_ILIM_LS LS_Sinking/SW1/5/5///90.9/634/1.8///@LOW_SIDE_OC_SINK				
Test Site				
Tester				
Test Number				
Max Limit	3.867	A		
Min Limit	1.533	A		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.165	2.119	2.210	2.160
Average	2.254	2.238	2.357	2.272
Max	2.376	2.387	2.456	2.397
UL	3.867	3.867	3.867	3.867

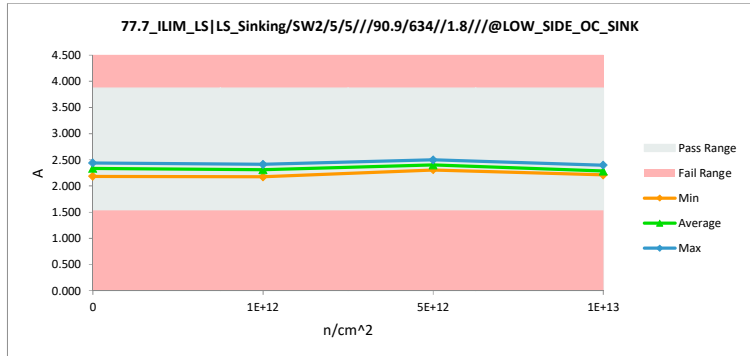


NDD Report
TPS7H4104-SP

77.7_ILIM_LS LS_Sinking/SW2/5/5///90.9/634				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.346	2.183	-0.163
0	2	2.290	2.439	0.149
0	3	2.361	2.379	0.019
1E+12	10	2.169	2.175	0.006
1E+12	11	2.405	2.410	0.005
1E+12	12	2.342	2.355	0.012
1E+12	13	2.296	2.301	0.005
5E+12	14	2.356	2.382	0.026
5E+12	15	2.484	2.498	0.013
5E+12	16	2.410	2.421	0.011
5E+12	17	2.286	2.307	0.021
1E+13	18	2.190	2.208	0.019
1E+13	19	2.285	2.298	0.013
1E+13	20	2.215	2.398	0.183
1E+13	21	2.220	2.235	0.014
Max		2.484	2.498	0.183
Average		2.310	2.333	0.022
Min		2.169	2.175	-0.163
Std Dev		0.089	0.099	0.075

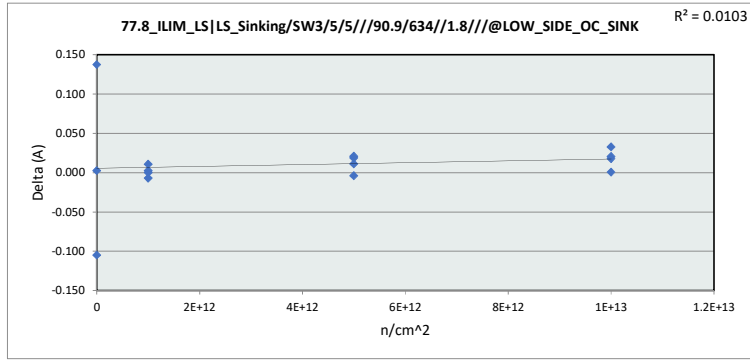


77.7_ILIM_LS LS_Sinking/SW2/5/5///90.9/634//1.8///@LOW_SIDE_OC_SINK				
Test Site				
Tester				
Test Number				
Max Limit	3.867		A	
Min Limit	1.533		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.183	2.175	2.307	2.208
Average	2.334	2.310	2.402	2.285
Max	2.439	2.410	2.498	2.399
UL	3.867	3.867	3.867	3.867

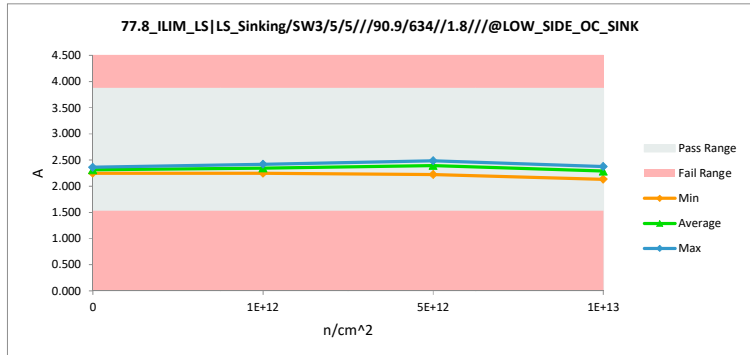


NDD Report
TPS7H4104-SP

77.8_ILIM_LS LS_Sinking/SW3/5/5///90.9/63				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.350	2.245	-0.105
0	2	2.332	2.334	0.003
0	3	2.224	2.361	0.138
1E+12	10	2.234	2.245	0.011
1E+12	11	2.421	2.421	0.000
1E+12	12	2.358	2.361	0.003
1E+12	13	2.369	2.362	-0.007
5E+12	14	2.409	2.428	0.019
5E+12	15	2.463	2.484	0.021
5E+12	16	2.439	2.450	0.011
5E+12	17	2.224	2.220	-0.004
1E+13	18	2.131	2.132	0.001
1E+13	19	2.355	2.376	0.020
1E+13	20	2.300	2.333	0.033
1E+13	21	2.295	2.313	0.018
Max		2.463	2.484	0.138
Average		2.327	2.338	0.011
Min		2.131	2.132	-0.105
Std Dev		0.093	0.095	0.047

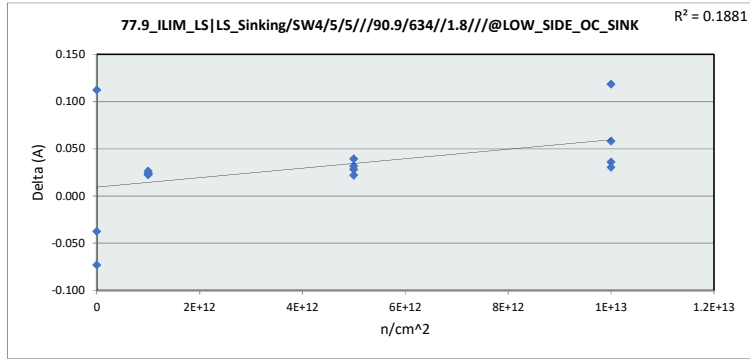


77.8_ILIM_LS LS_Sinking/SW3/5/5///				
Test Site				
Tester				
Test Number				
Max Limit	3.867		A	
Min Limit	1.533		A	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.245	2.245	2.220	2.132
Average	2.313	2.347	2.396	2.288
Max	2.361	2.421	2.484	2.376
UL	3.867	3.867	3.867	3.867

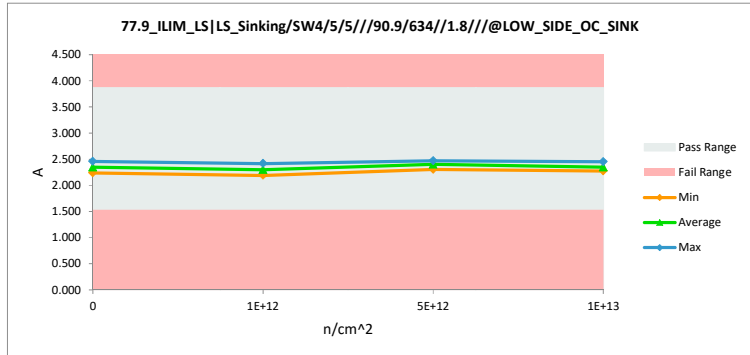


NDD Report
TPS7H4104-SP

77.9_ILIM_LS LS_Sinking/SW4/5/5///90.9/634				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.313	2.239	-0.073
0	2	2.345	2.457	0.112
0	3	2.370	2.333	-0.038
1E+12	10	2.168	2.191	0.023
1E+12	11	2.394	2.417	0.023
1E+12	12	2.272	2.299	0.026
1E+12	13	2.261	2.285	0.024
5E+12	14	2.281	2.303	0.022
5E+12	15	2.438	2.470	0.032
5E+12	16	2.353	2.393	0.039
5E+12	17	2.411	2.439	0.028
1E+13	18	2.265	2.301	0.036
1E+13	19	2.393	2.451	0.058
1E+13	20	2.243	2.362	0.118
1E+13	21	2.244	2.274	0.030
Max		2.438	2.470	0.118
Average		2.317	2.348	0.031
Min		2.168	2.191	-0.073
Std Dev		0.077	0.087	0.047



77.9_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	2.239	2.191	2.303	2.274
Average	2.343	2.298	2.401	2.347
Max	2.457	2.417	2.470	2.451
UL	3.867	3.867	3.867	3.867

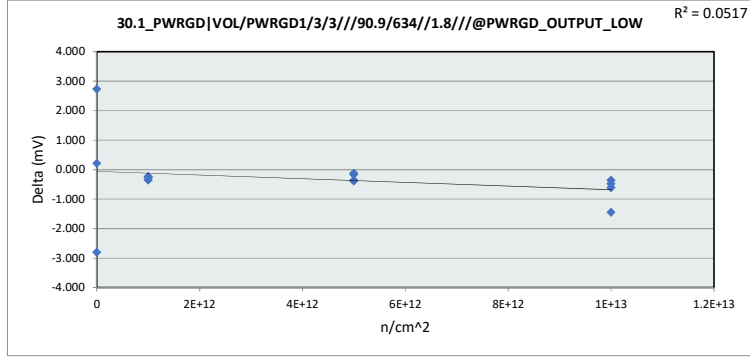


NDD Report
TPS7H4104-SP

30.1_PWRGD|VOL/PWRGD1/3/3///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

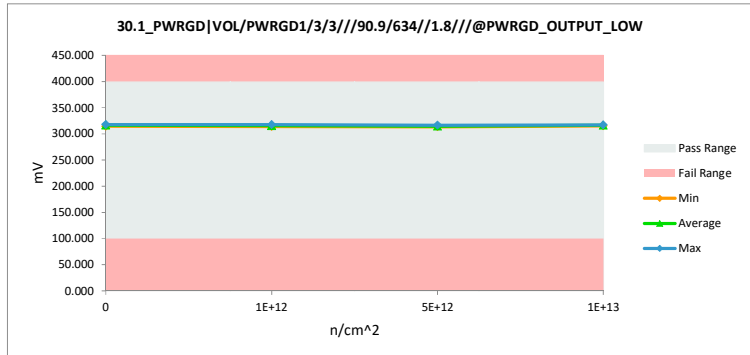
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	317.508	317.723	0.215
0	2	314.977	317.711	2.733
0	3	317.432	314.631	-2.802
1E+12	10	316.236	315.971	-0.265
1E+12	11	314.593	314.346	-0.246
1E+12	12	314.765	314.409	-0.356
1E+12	13	317.595	317.358	-0.237
5E+12	14	316.705	316.586	-0.119
5E+12	15	313.812	313.425	-0.387
5E+12	16	314.965	314.603	-0.362
5E+12	17	313.871	313.706	-0.165
1E+13	18	317.617	317.142	-0.475
1E+13	19	317.467	316.858	-0.609
1E+13	20	316.808	315.362	-1.446
1E+13	21	316.858	316.499	-0.359
Max		317.617	317.723	2.733
Average		316.081	315.755	-0.325
Min		313.812	313.425	-2.802
Std Dev		1.425	1.485	1.109



30.1_PWRGD|VOL/PWRGD1/3/3//

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	314.631	314.347	313.425	315.362
Average	316.688	315.521	314.580	316.465
Max	317.723	317.358	316.586	317.142
UL	399.000	399.000	399.000	399.000

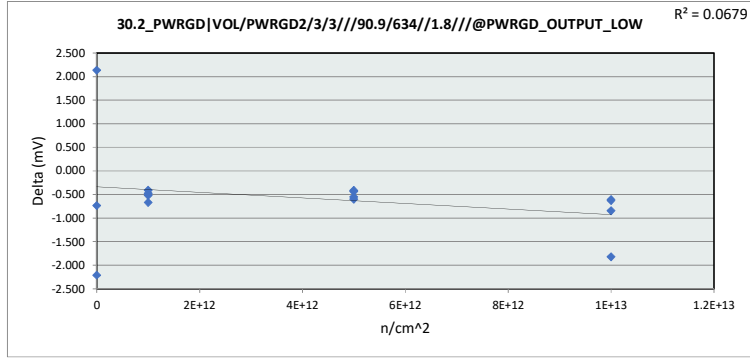


NDD Report
TPS7H4104-SP

30.2_PWRGD|VOL/PWRGD2/3/3///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

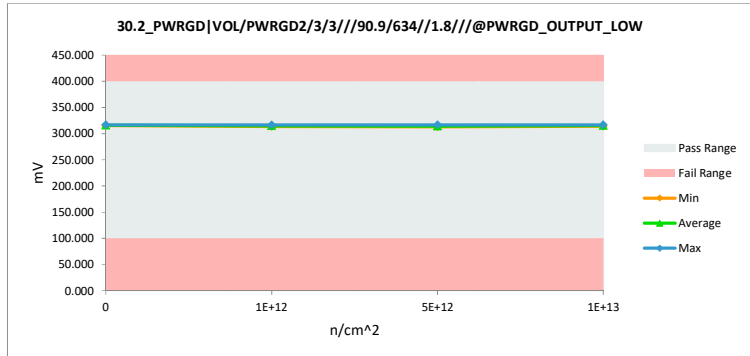
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	316.687	315.948	-0.739
0	2	314.542	316.676	2.134
0	3	317.474	315.258	-2.216
1E+12	10	315.526	315.115	-0.411
1E+12	11	314.510	313.987	-0.523
1E+12	12	314.539	313.866	-0.673
1E+12	13	316.943	316.467	-0.477
5E+12	14	317.015	316.601	-0.414
5E+12	15	313.767	313.166	-0.601
5E+12	16	314.635	314.081	-0.555
5E+12	17	314.020	313.578	-0.442
1E+13	18	317.471	316.841	-0.630
1E+13	19	317.287	316.439	-0.848
1E+13	20	315.944	314.122	-1.822
1E+13	21	315.985	315.374	-0.611
Max		317.474	316.841	2.134
Average		315.756	315.168	-0.589
Min		313.767	313.166	-2.216
Std Dev		1.336	1.282	0.918



30.2_PWRGD|VOL/PWRGD2/3/3//

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	315.258	313.866	313.166	314.122
Average	315.961	314.859	314.357	315.694
Max	316.676	316.467	316.601	316.842
UL	399.000	399.000	399.000	399.000

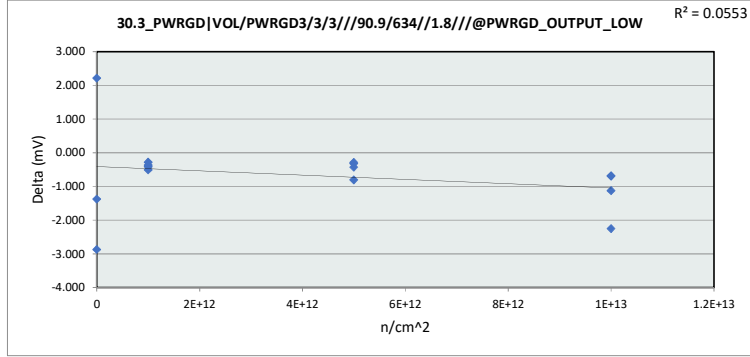


NDD Report
TPS7H4104-SP

30.3_PWRGD|VOL/PWRGD3/3/3///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

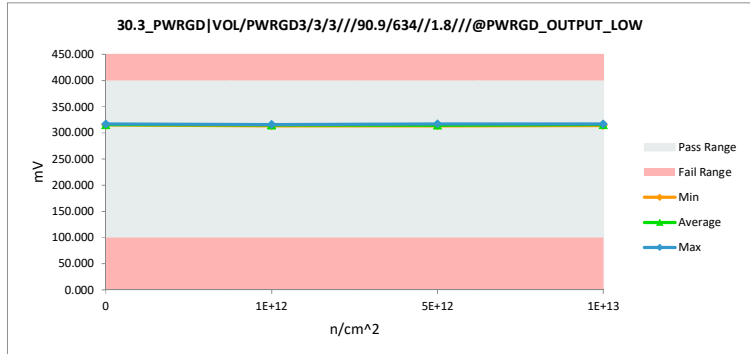
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	317.174	315.799	-1.376
0	2	314.503	316.720	2.217
0	3	317.766	314.893	-2.872
1E+12	10	316.186	315.821	-0.365
1E+12	11	314.969	314.553	-0.417
1E+12	12	314.097	313.588	-0.509
1E+12	13	316.270	315.989	-0.281
5E+12	14	317.343	317.060	-0.283
5E+12	15	314.366	313.563	-0.803
5E+12	16	315.392	314.962	-0.430
5E+12	17	313.599	313.279	-0.321
1E+13	18	317.299	316.614	-0.686
1E+13	19	316.511	315.390	-1.122
1E+13	20	316.589	314.340	-2.249
1E+13	21	316.702	316.011	-0.691
Max		317.766	317.060	2.217
Average		315.918	315.239	-0.679
Min		313.599	313.279	-2.872
Std Dev		1.332	1.198	1.104



30.3_PWRGD|VOL/PWRGD3/3/3//

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	314.893	313.588	313.279	314.340
Average	315.804	314.988	314.716	315.589
Max	316.720	315.989	317.060	316.614
UL	399.000	399.000	399.000	399.000

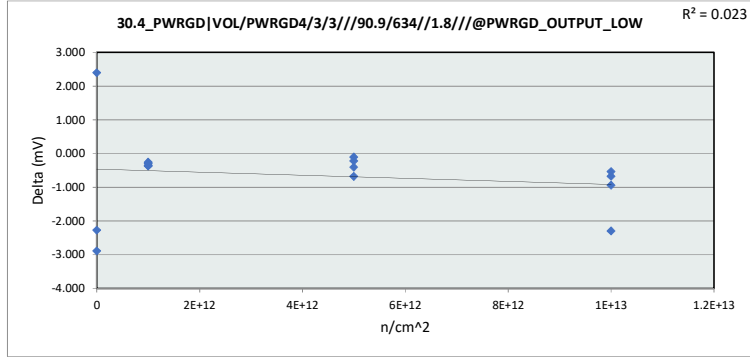


NDD Report
TPS7H4104-SP

30.4_PWRGD|VOL/PWRGD4/3/3///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

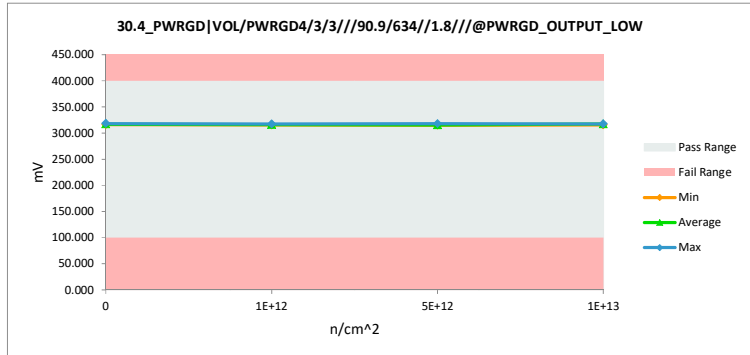
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	319.223	316.947	-2.276
0	2	315.788	318.184	2.396
0	3	318.767	315.879	-2.888
1E+12	10	316.837	316.582	-0.255
1E+12	11	316.072	315.720	-0.352
1E+12	12	315.513	315.142	-0.371
1E+12	13	317.443	317.144	-0.299
5E+12	14	317.986	317.884	-0.102
5E+12	15	315.332	314.655	-0.677
5E+12	16	315.956	315.551	-0.405
5E+12	17	314.951	314.736	-0.215
1E+13	18	317.814	317.144	-0.671
1E+13	19	318.114	317.175	-0.939
1E+13	20	318.077	315.779	-2.297
1E+13	21	318.108	317.575	-0.533
Max		319.223	318.184	2.396
Average		317.065	316.407	-0.659
Min		314.951	314.655	-2.888
Std Dev		1.365	1.135	1.217



30.4_PWRGD|VOL/PWRGD4/3/3//

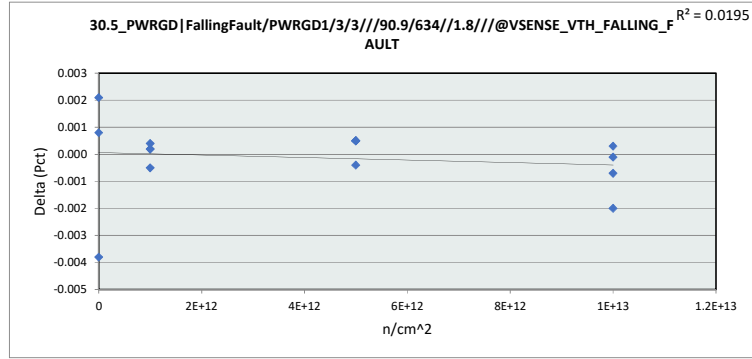
Test Site		
Tester		
Test Number		
Max Limit	399	mV
Min Limit	100	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	315.879	315.142	314.655	315.779
Average	317.003	316.147	315.707	316.918
Max	318.184	317.144	317.884	317.575
UL	399.000	399.000	399.000	399.000

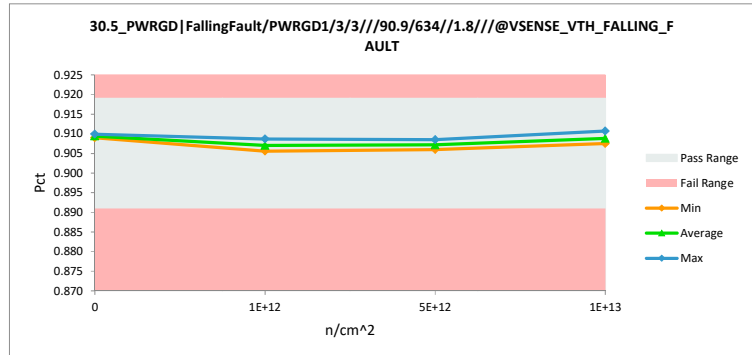


NDD Report TPS7H4104-SP

30.5_PWRGD FallingFault/PWRGD1/3/3//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.907	0.909	0.002
0	2	0.914	0.910	-0.004
0	3	0.909	0.909	0.001
1E+12	10	0.909	0.909	-0.001
1E+12	11	0.908	0.908	0.000
1E+12	12	0.906	0.906	0.000
1E+12	13	0.905	0.906	0.000
5E+12	14	0.905	0.906	0.001
5E+12	15	0.908	0.908	0.000
5E+12	16	0.908	0.909	0.001
5E+12	17	0.906	0.906	0.001
1E+13	18	0.908	0.908	-0.001
1E+13	19	0.911	0.911	0.000
1E+13	20	0.910	0.908	-0.002
1E+13	21	0.909	0.910	0.000
Max		0.914	0.911	0.002
Average		0.908	0.908	0.000
Min		0.905	0.906	-0.004
Std Dev		0.002	0.002	0.001

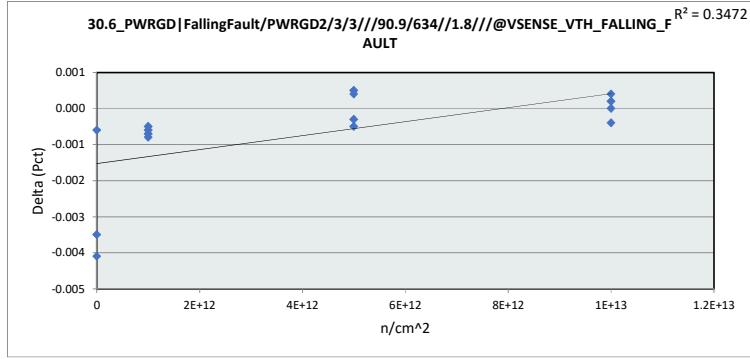


30.5_PWRGD FallingFault/PWRGD1/3/3//90.9				
Test Site				
Tester				
Test Number				
Max Limit	0.919		Pct	
Min Limit	0.891		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.909	0.906	0.906	0.908
Average	0.909	0.907	0.907	0.909
Max	0.910	0.909	0.909	0.911
UL	0.919	0.919	0.919	0.919

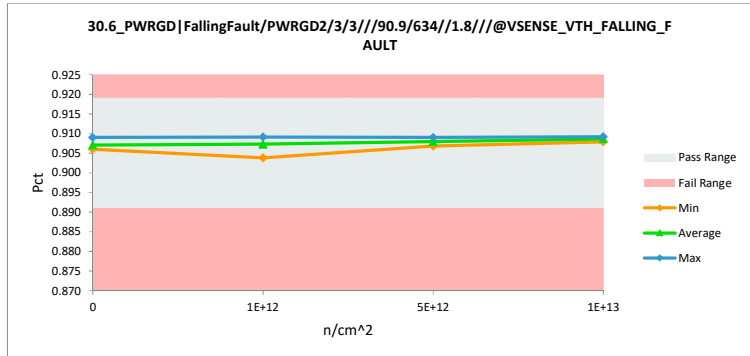


NDD Report
TPS7H4104-SP

30.6_PWRGD FallingFault/PWRGD2/3/3//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.913	0.909	-0.004
0	2	0.910	0.906	-0.004
0	3	0.907	0.906	-0.001
1E+12	10	0.908	0.908	-0.001
1E+12	11	0.905	0.904	-0.001
1E+12	12	0.909	0.909	-0.001
1E+12	13	0.910	0.909	-0.001
5E+12	14	0.907	0.907	0.000
5E+12	15	0.910	0.909	-0.001
5E+12	16	0.909	0.909	0.000
5E+12	17	0.906	0.907	0.000
1E+13	18	0.909	0.909	0.000
1E+13	19	0.908	0.908	0.000
1E+13	20	0.909	0.908	0.000
1E+13	21	0.909	0.909	0.000
Max		0.913	0.909	0.000
Average		0.908	0.908	-0.001
Min		0.905	0.904	-0.004
Std Dev		0.002	0.002	0.001

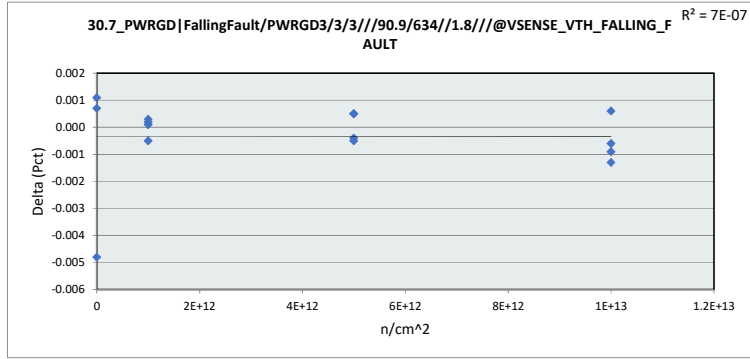


30.6_PWRGD FallingFault/PWRGD2/3/3//90.9/634//1.8//@VSENSE_VTH_FALLING_F AULT				
Test Site				
Tester				
Test Number				
Max Limit	0.919		Pct	
Min Limit	0.891		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.906	0.904	0.907	0.908
Average	0.907	0.907	0.908	0.909
Max	0.909	0.909	0.909	0.909
UL	0.919	0.919	0.919	0.919

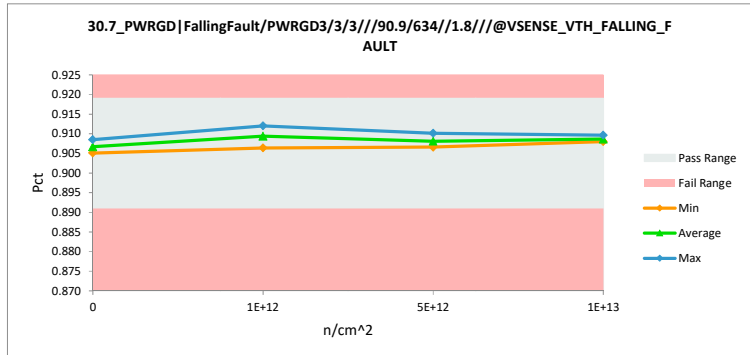


NDD Report
TPS7H4104-SP

30.7_PWRGD FallingFault/PWRGD3/3/3//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.911	0.906	-0.005
0	2	0.904	0.905	0.001
0	3	0.907	0.909	0.001
1E+12	10	0.906	0.906	0.000
1E+12	11	0.912	0.912	0.000
1E+12	12	0.909	0.909	-0.001
1E+12	13	0.910	0.911	0.000
5E+12	14	0.907	0.908	0.000
5E+12	15	0.911	0.910	-0.001
5E+12	16	0.907	0.907	0.000
5E+12	17	0.908	0.908	0.001
1E+13	18	0.909	0.908	-0.001
1E+13	19	0.910	0.909	-0.001
1E+13	20	0.909	0.910	0.001
1E+13	21	0.910	0.908	-0.001
Max		0.912	0.912	0.001
Average		0.909	0.908	0.000
Min		0.904	0.905	-0.005
Std Dev		0.002	0.002	0.001



30.7_PWRGD FallingFault/PWRGD3/3/3//90.9/634//1.8///@VSENSE_VTH_FALLING_F AULT				
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	0.905	0.906	0.907	0.908
Average	0.907	0.909	0.908	0.909
Max	0.909	0.912	0.910	0.910
UL	0.919	0.919	0.919	0.919

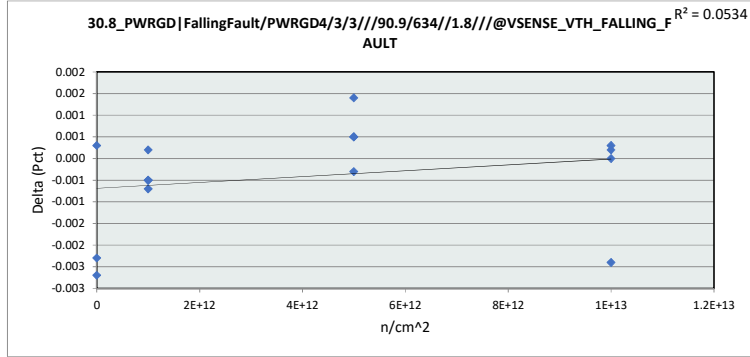


NDD Report
TPS7H4104-SP

30.8_PWRGD|FallingFault/PWRGD4/3/3//90.9

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.92	0.919
Min Limit	0.89	0.891

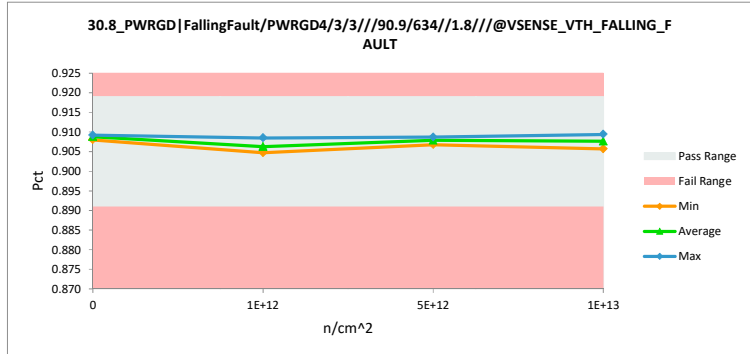
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.911	0.909	-0.002
0	2	0.909	0.909	0.000
0	3	0.911	0.908	-0.003
1E+12	10	0.905	0.905	-0.001
1E+12	11	0.906	0.905	-0.001
1E+12	12	0.907	0.907	-0.001
1E+12	13	0.908	0.909	0.000
5E+12	14	0.907	0.909	0.001
5E+12	15	0.907	0.908	0.001
5E+12	16	0.908	0.908	0.000
5E+12	17	0.906	0.907	0.000
1E+13	18	0.909	0.909	0.000
1E+13	19	0.907	0.907	0.000
1E+13	20	0.908	0.906	-0.002
1E+13	21	0.908	0.908	0.000
Max		0.911	0.909	0.001
Average		0.908	0.908	0.000
Min		0.905	0.905	-0.003
Std Dev		0.002	0.001	0.001



30.8_PWRGD|FallingFault/PWRGD4/3/3//90.9

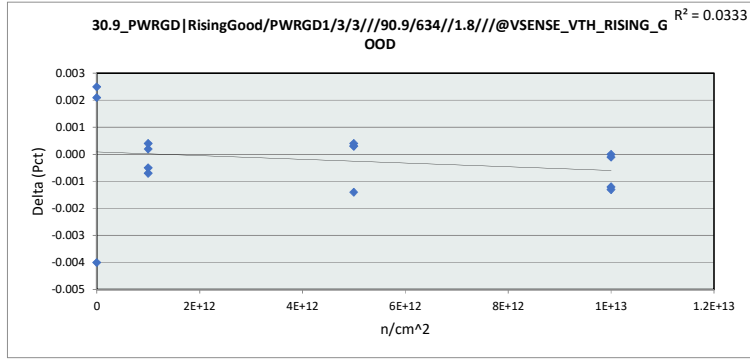
Test Site		
Tester		
Test Number		
Max Limit	0.919	Pct
Min Limit	0.891	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.908	0.905	0.907	0.906
Average	0.909	0.906	0.908	0.908
Max	0.909	0.909	0.909	0.909
UL	0.919	0.919	0.919	0.919

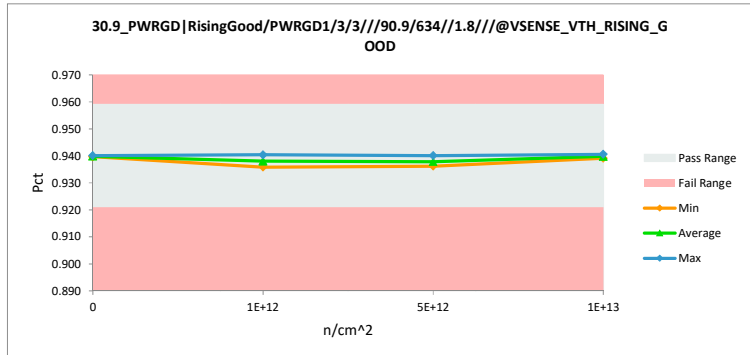


NDD Report
TPS7H4104-SP

30.9_PWRGD RisingGood/PWRGD1/3/3//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.938	0.940	0.002
0	2	0.944	0.940	-0.004
0	3	0.938	0.940	0.002
1E+12	10	0.940	0.940	0.000
1E+12	11	0.939	0.939	0.000
1E+12	12	0.936	0.936	0.000
1E+12	13	0.937	0.936	-0.001
5E+12	14	0.936	0.937	0.000
5E+12	15	0.940	0.938	-0.001
5E+12	16	0.940	0.940	0.000
5E+12	17	0.936	0.936	0.000
1E+13	18	0.939	0.939	0.000
1E+13	19	0.942	0.941	-0.001
1E+13	20	0.941	0.939	-0.001
1E+13	21	0.940	0.940	0.000
Max		0.944	0.941	0.002
Average		0.939	0.939	0.000
Min		0.936	0.936	-0.004
Std Dev		0.002	0.002	0.002

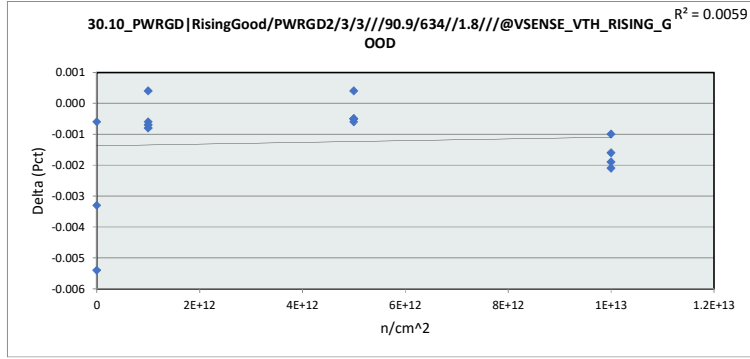


30.9_PWRGD RisingGood/PWRGD1/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_G				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.940	0.936	0.936	0.939
Average	0.940	0.938	0.938	0.940
Max	0.940	0.940	0.940	0.941
UL	0.959	0.959	0.959	0.959

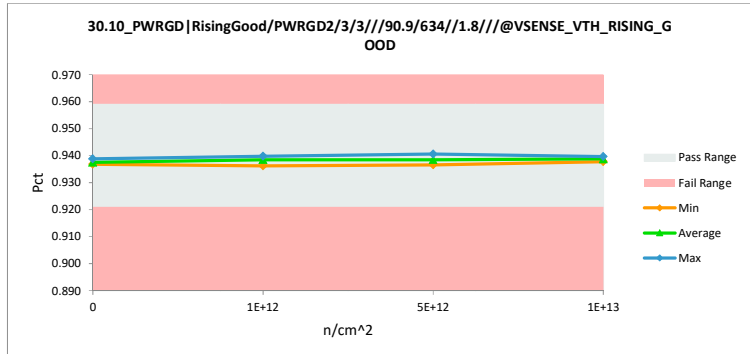


NDD Report
TPS7H4104-SP

30.10_PWRGD RisingGood/PWRGD2/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_G				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.944	0.939	-0.005
0	2	0.940	0.937	-0.003
0	3	0.938	0.937	-0.001
1E+12	10	0.939	0.939	0.000
1E+12	11	0.937	0.936	-0.001
1E+12	12	0.939	0.938	-0.001
1E+12	13	0.941	0.940	-0.001
5E+12	14	0.937	0.937	0.000
5E+12	15	0.941	0.941	-0.001
5E+12	16	0.940	0.939	-0.001
5E+12	17	0.937	0.937	0.000
1E+13	18	0.940	0.939	-0.001
1E+13	19	0.940	0.938	-0.002
1E+13	20	0.941	0.938	-0.002
1E+13	21	0.941	0.940	-0.002
Max		0.944	0.941	0.000
Average		0.940	0.938	-0.001
Min		0.937	0.936	-0.005
Std Dev		0.002	0.001	0.001

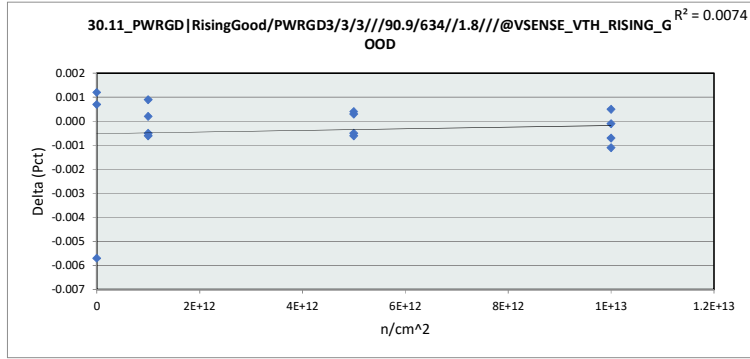


30.10_PWRGD RisingGood/PWRGD				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.937	0.936	0.937	0.938
Average	0.938	0.938	0.938	0.939
Max	0.939	0.940	0.941	0.940
UL	0.959	0.959	0.959	0.959

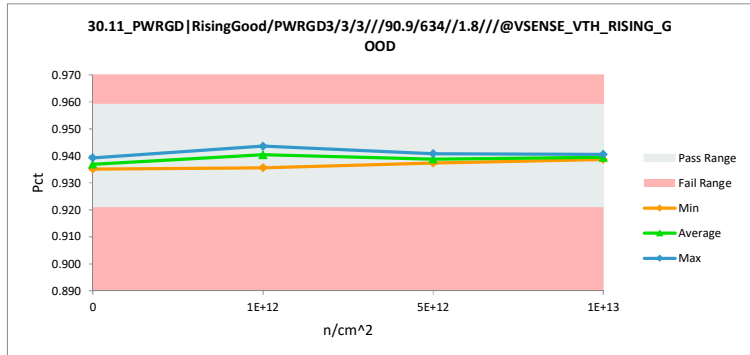


NDD Report
TPS7H4104-SP

30.11_PWRGD RisingGood/PWRGD3/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_G				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.942	0.936	-0.006
0	2	0.934	0.935	0.001
0	3	0.938	0.939	0.001
1E+12	10	0.936	0.936	-0.001
1E+12	11	0.943	0.944	0.000
1E+12	12	0.941	0.940	-0.001
1E+12	13	0.941	0.942	0.001
5E+12	14	0.937	0.937	0.000
5E+12	15	0.941	0.941	0.000
5E+12	16	0.938	0.937	-0.001
5E+12	17	0.939	0.940	0.000
1E+13	18	0.939	0.939	0.000
1E+13	19	0.941	0.939	-0.001
1E+13	20	0.940	0.941	0.001
1E+13	21	0.940	0.939	-0.001
Max		0.943	0.944	0.001
Average		0.939	0.939	0.000
Min		0.934	0.935	-0.006
Std Dev		0.002	0.002	0.002

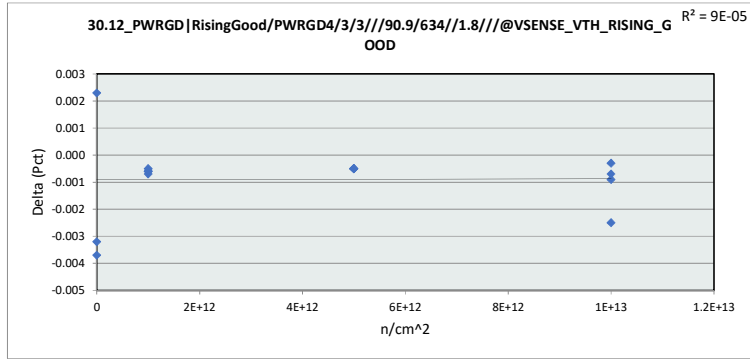


30.11_PWRGD RisingGood/PWRGD3/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_G				
Test Site				
Tester				
Test Number				
Max Limit	0.959		Pct	
Min Limit	0.921		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.935	0.936	0.937	0.939
Average	0.937	0.940	0.939	0.939
Max	0.939	0.944	0.941	0.941
UL	0.959	0.959	0.959	0.959

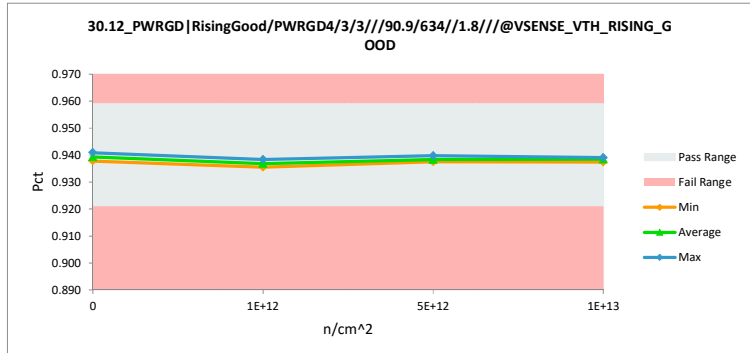


NDD Report
TPS7H4104-SP

30.12_PWRGD RisingGood/PWRGD4/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_G				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.942	0.939	-0.003
0	2	0.939	0.941	0.002
0	3	0.942	0.938	-0.004
1E+12	10	0.936	0.936	0.000
1E+12	11	0.937	0.936	-0.001
1E+12	12	0.938	0.937	-0.001
1E+12	13	0.939	0.938	-0.001
5E+12	14	0.938	0.938	-0.001
5E+12	15	0.939	0.938	-0.001
5E+12	16	0.940	0.940	0.000
5E+12	17	0.938	0.938	-0.001
1E+13	18	0.939	0.938	-0.001
1E+13	19	0.939	0.939	0.000
1E+13	20	0.940	0.937	-0.002
1E+13	21	0.940	0.939	-0.001
Max		0.942	0.941	0.002
Average		0.939	0.938	-0.001
Min		0.936	0.936	-0.004
Std Dev		0.002	0.001	0.001

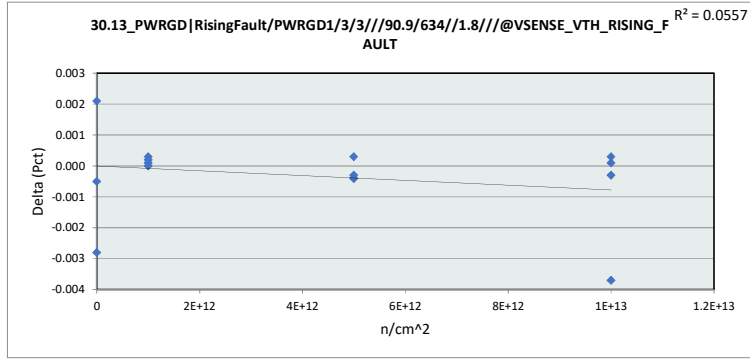


30.12_PWRGD RisingGood/PWRGD4/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_G				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.938	0.936	0.938	0.937
Average	0.939	0.937	0.938	0.938
Max	0.941	0.938	0.940	0.939
UL	0.959	0.959	0.959	0.959

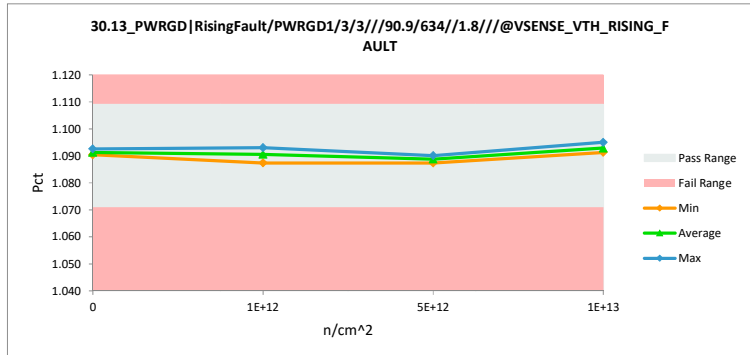


NDD Report
TPS7H4104-SP

30.13_PWRGD RisingFault/PWRGD1/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.090	1.093	0.002
0	2	1.092	1.091	-0.001
0	3	1.093	1.090	-0.003
1E+12	10	1.091	1.091	0.000
1E+12	11	1.087	1.087	0.000
1E+12	12	1.093	1.093	0.000
1E+12	13	1.091	1.091	0.000
5E+12	14	1.090	1.090	0.000
5E+12	15	1.089	1.089	0.000
5E+12	16	1.088	1.087	0.000
5E+12	17	1.090	1.089	0.000
1E+13	18	1.094	1.094	0.000
1E+13	19	1.092	1.092	0.000
1E+13	20	1.095	1.091	-0.004
1E+13	21	1.095	1.095	0.000
Max		1.095	1.095	0.002
Average		1.091	1.091	0.000
Min		1.087	1.087	-0.004
Std Dev		0.002	0.002	0.001

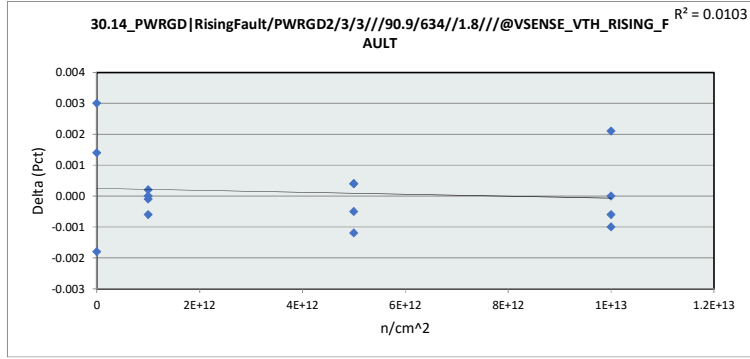


30.13_PWRGD RisingFault/PWRGD1/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_F				
Test Site				
Tester				
Test Number				
Max Limit	1.109		Pct	
Min Limit	1.071		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.090	1.087	1.087	1.091
Average	1.091	1.091	1.089	1.093
Max	1.093	1.093	1.090	1.095
UL	1.109	1.109	1.109	1.109

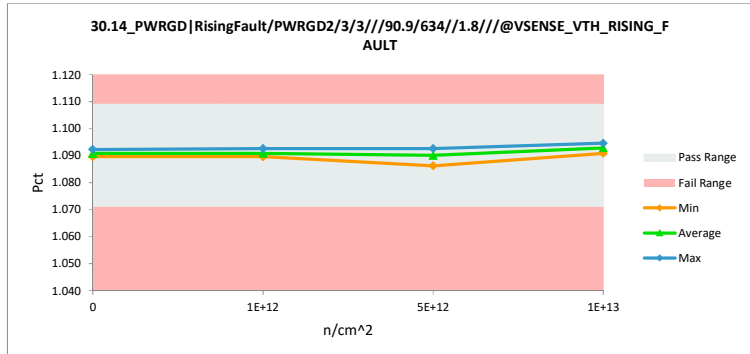


NDD Report
TPS7H4104-SP

30.14_PWRGD RisingFault/PWRGD2/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.092	1.091	-0.002
0	2	1.088	1.090	0.001
0	3	1.089	1.092	0.003
1E+12	10	1.091	1.090	-0.001
1E+12	11	1.093	1.093	0.000
1E+12	12	1.089	1.090	0.000
1E+12	13	1.091	1.091	0.000
5E+12	14	1.090	1.090	0.000
5E+12	15	1.094	1.093	-0.001
5E+12	16	1.091	1.091	0.000
5E+12	17	1.087	1.086	0.000
1E+13	18	1.095	1.095	0.000
1E+13	19	1.093	1.092	-0.001
1E+13	20	1.092	1.094	0.002
1E+13	21	1.091	1.091	-0.001
Max		1.095	1.095	0.003
Average		1.091	1.091	0.000
Min		1.087	1.086	-0.002
Std Dev		0.002	0.002	0.001

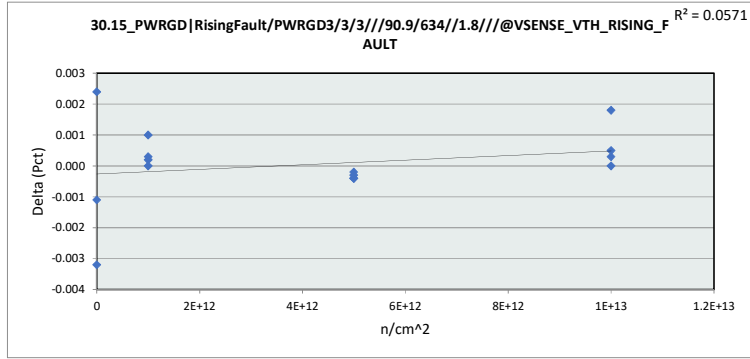


30.14_PWRGD RisingFault/PWRGD				
Test Site				
Tester				
Test Number				
Max Limit	1.109		Pct	
Min Limit	1.071		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.090	1.090	1.086	1.091
Average	1.091	1.091	1.090	1.093
Max	1.092	1.093	1.093	1.095
UL	1.109	1.109	1.109	1.109

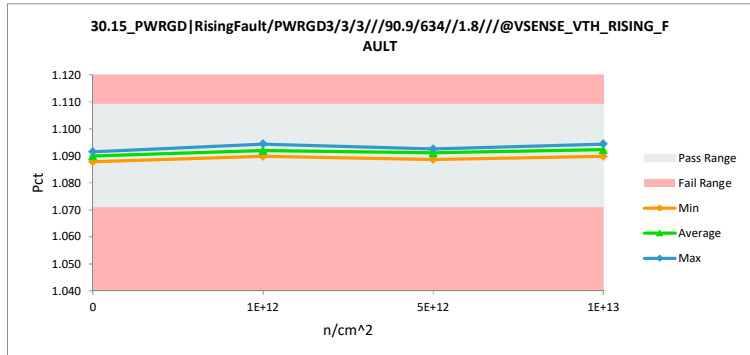


NDD Report
TPS7H4104-SP

30.15_PWRGD RisingFault/PWRGD3/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.093	1.092	-0.001
0	2	1.091	1.088	-0.003
0	3	1.088	1.091	0.002
1E+12	10	1.089	1.090	0.000
1E+12	11	1.089	1.090	0.001
1E+12	12	1.094	1.094	0.000
1E+12	13	1.094	1.094	0.000
5E+12	14	1.093	1.093	0.000
5E+12	15	1.089	1.089	0.000
5E+12	16	1.093	1.092	0.000
5E+12	17	1.091	1.091	0.000
1E+13	18	1.090	1.090	0.000
1E+13	19	1.092	1.092	0.001
1E+13	20	1.093	1.094	0.002
1E+13	21	1.092	1.093	0.000
Max		1.094	1.094	0.002
Average		1.091	1.091	0.000
Min		1.088	1.088	-0.003
Std Dev		0.002	0.002	0.001

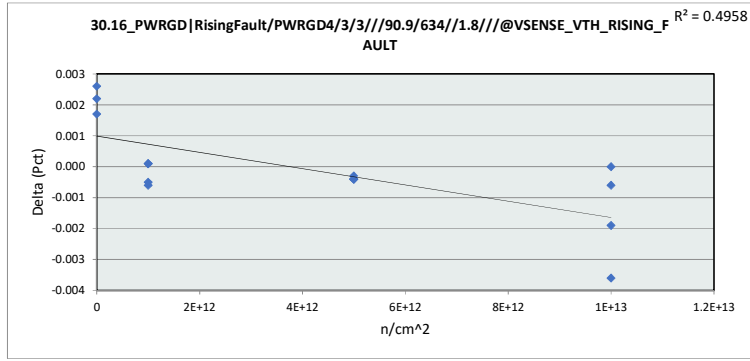


30.15_PWRGD RisingFault/PWRGD3/3/3//90.9/634//1.8//@VSENSE_VTH_RISING_F				
Test Site				
Tester				
Test Number				
Max Limit		1.109	Pct	
Min Limit		1.071	Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.088	1.090	1.089	1.090
Average	1.090	1.092	1.091	1.092
Max	1.092	1.094	1.093	1.094
UL	1.109	1.109	1.109	1.109

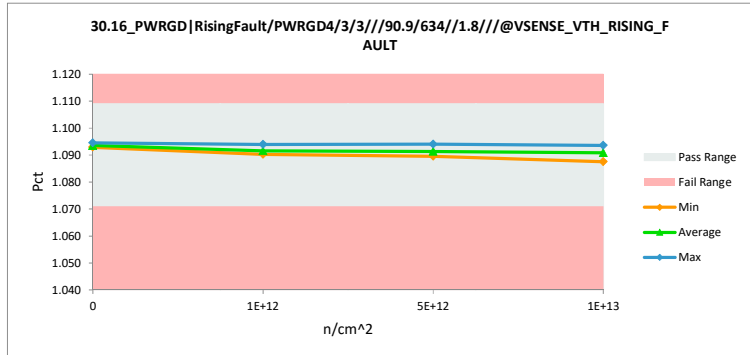


NDD Report
TPS7H4104-SP

30.16_PWRGD RisingFault/PWRGD4/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.091	1.093	0.002
0	2	1.091	1.093	0.002
0	3	1.092	1.094	0.003
1E+12	10	1.094	1.094	-0.001
1E+12	11	1.090	1.090	0.000
1E+12	12	1.092	1.091	-0.001
1E+12	13	1.091	1.091	0.000
5E+12	14	1.093	1.092	0.000
5E+12	15	1.094	1.094	0.000
5E+12	16	1.090	1.089	0.000
5E+12	17	1.090	1.090	0.000
1E+13	18	1.087	1.087	0.000
1E+13	19	1.093	1.091	-0.002
1E+13	20	1.095	1.092	-0.004
1E+13	21	1.094	1.094	-0.001
Max		1.095	1.094	0.003
Average		1.092	1.092	0.000
Min		1.087	1.087	-0.004
Std Dev		0.002	0.002	0.002

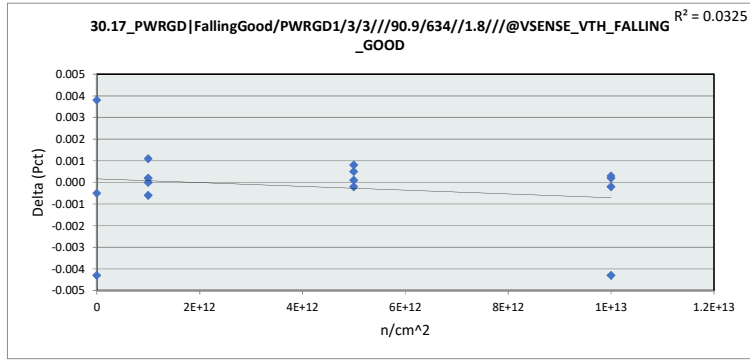


30.16_PWRGD RisingFault/PWRGD4/3/3///90.9/634//1.8///@VSENSE_VTH_RISING_F				
Test Site				
Tester				
Test Number				
Max Limit	1.109		Pct	
Min Limit	1.071		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.093	1.090	1.090	1.088
Average	1.094	1.091	1.091	1.091
Max	1.095	1.094	1.094	1.094
UL	1.109	1.109	1.109	1.109

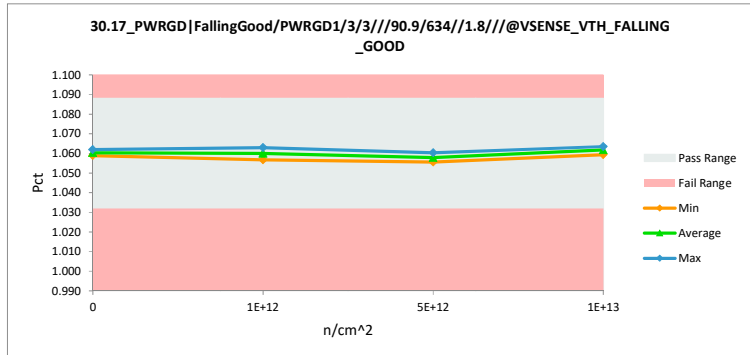


NDD Report
TPS7H4104-SP

30.17_PWRGD FallingGood/PWRGD1/3/3//90.				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.058	1.062	0.004
0	2	1.061	1.060	-0.001
0	3	1.063	1.059	-0.004
1E+12	10	1.061	1.061	-0.001
1E+12	11	1.056	1.057	0.001
1E+12	12	1.063	1.063	0.000
1E+12	13	1.060	1.060	0.000
5E+12	14	1.060	1.060	0.000
5E+12	15	1.056	1.057	0.001
5E+12	16	1.056	1.056	0.000
5E+12	17	1.059	1.059	0.000
1E+13	18	1.063	1.064	0.000
1E+13	19	1.061	1.061	0.000
1E+13	20	1.064	1.059	-0.004
1E+13	21	1.064	1.063	0.000
Max		1.064	1.064	0.004
Average		1.060	1.060	0.000
Min		1.056	1.056	-0.004
Std Dev		0.003	0.002	0.002



30.17_PWRGD FallingGood/PWRGD1/3/3//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD				
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	1.057	1.056	1.059
Average	1.060	1.060	1.058	1.062
Max	1.062	1.063	1.060	1.064
UL	1.088	1.088	1.088	1.088

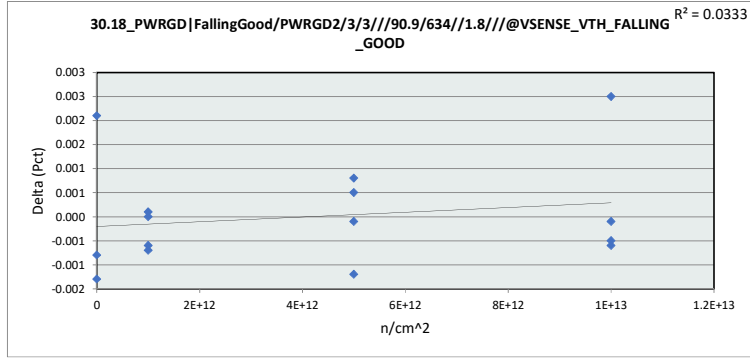


NDD Report
TPS7H4104-SP

30.18_PWRGD|FallingGood/PWRGD2/3/3//90.

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	1.09	1.088
Min Limit	1.03	1.032

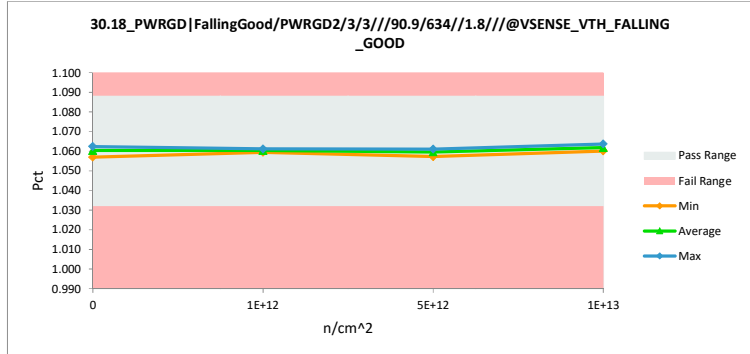
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.062	1.062	-0.001
0	2	1.058	1.057	-0.001
0	3	1.060	1.062	0.002
1E+12	10	1.060	1.059	-0.001
1E+12	11	1.062	1.061	-0.001
1E+12	12	1.060	1.061	0.000
1E+12	13	1.060	1.060	0.000
5E+12	14	1.059	1.060	0.001
5E+12	15	1.062	1.061	-0.001
5E+12	16	1.060	1.060	0.001
5E+12	17	1.057	1.057	0.000
1E+13	18	1.064	1.064	-0.001
1E+13	19	1.061	1.061	-0.001
1E+13	20	1.061	1.063	0.002
1E+13	21	1.060	1.060	0.000
Max		1.064	1.064	0.002
Average		1.061	1.061	0.000
Min		1.057	1.057	-0.001
Std Dev		0.002	0.002	0.001



30.18_PWRGD|FallingGood/PWRGD2/3/3//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD

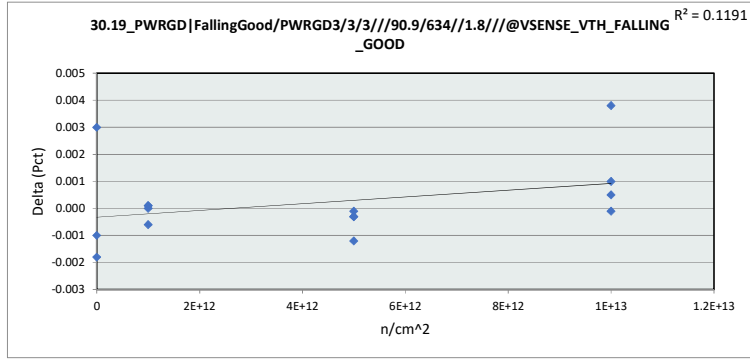
Test Site		
Tester		
Test Number		
Max Limit	1.088	Pct
Min Limit	1.032	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.057	1.060	1.057	1.060
Average	1.060	1.060	1.060	1.062
Max	1.062	1.061	1.061	1.064
UL	1.088	1.088	1.088	1.088

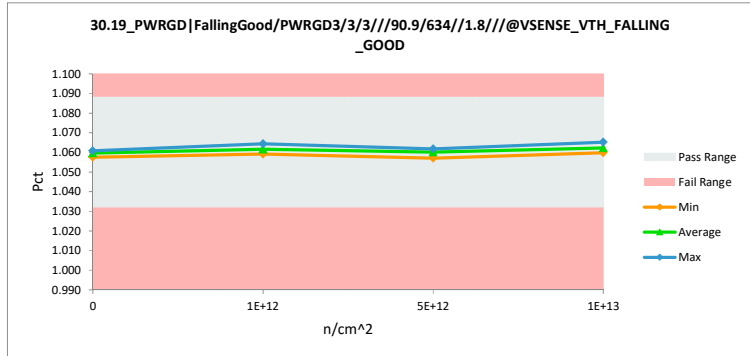


NDD Report TPS7H4104-SP

30.19_PWRGD FallingGood/PWRGD3/3/3//90.				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.062	1.061	-0.001
0	2	1.059	1.058	-0.002
0	3	1.058	1.061	0.003
1E+12	10	1.060	1.060	-0.001
1E+12	11	1.059	1.059	0.000
1E+12	12	1.063	1.063	0.000
1E+12	13	1.064	1.064	0.000
5E+12	14	1.062	1.062	0.000
5E+12	15	1.057	1.057	0.000
5E+12	16	1.062	1.061	0.000
5E+12	17	1.061	1.060	-0.001
1E+13	18	1.059	1.060	0.001
1E+13	19	1.061	1.062	0.001
1E+13	20	1.061	1.065	0.004
1E+13	21	1.062	1.062	0.000
Max		1.064	1.065	0.004
Average		1.061	1.061	0.000
Min		1.057	1.057	-0.002
Std Dev		0.002	0.002	0.001

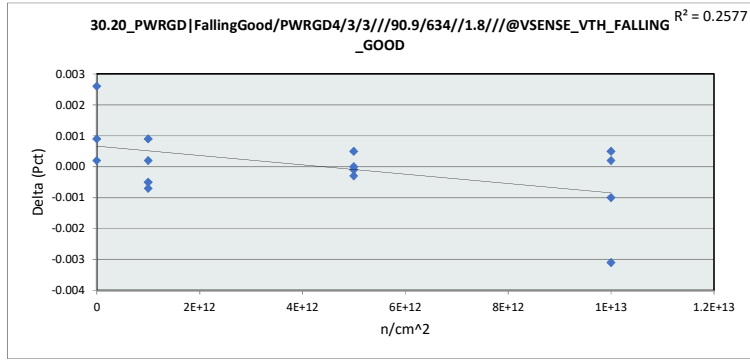


30.19_PWRGD FallingGood/PWRGD3/3/3//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD				
Test Site				
Tester				
Test Number				
Max Limit	1.088		Pct	
Min Limit	1.032		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.058	1.059	1.057	1.060
Average	1.060	1.062	1.060	1.062
Max	1.061	1.064	1.062	1.065
UL	1.088	1.088	1.088	1.088

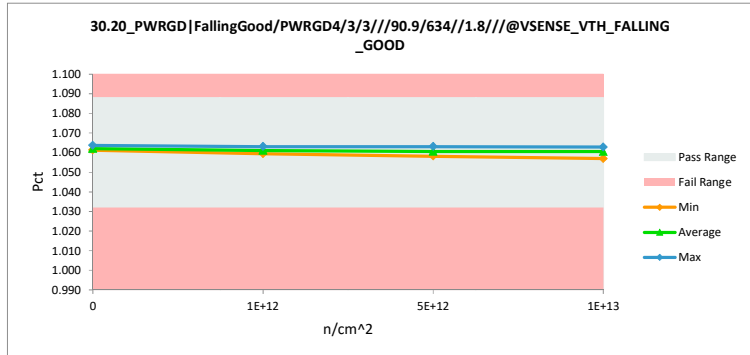


NDD Report
TPS7H4104-SP

30.20_PWRGD FallingGood/PWRGD4/3/3//90.				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.060	1.061	0.001
0	2	1.061	1.061	0.000
0	3	1.061	1.064	0.003
1E+12	10	1.064	1.063	0.000
1E+12	11	1.060	1.059	-0.001
1E+12	12	1.061	1.061	0.000
1E+12	13	1.060	1.061	0.001
5E+12	14	1.062	1.062	0.000
5E+12	15	1.063	1.063	0.000
5E+12	16	1.059	1.059	0.000
5E+12	17	1.058	1.058	0.000
1E+13	18	1.056	1.057	0.001
1E+13	19	1.061	1.062	0.000
1E+13	20	1.064	1.061	-0.003
1E+13	21	1.064	1.063	-0.001
Max		1.064	1.064	0.003
Average		1.061	1.061	0.000
Min		1.056	1.057	-0.003
Std Dev		0.002	0.002	0.001



30.20_PWRGD FallingGood/PWRGD4/3/3//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD				
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	1.061	1.059	1.058	1.057
Average	1.062	1.061	1.061	1.061
Max	1.064	1.063	1.063	1.063
UL	1.088	1.088	1.088	1.088

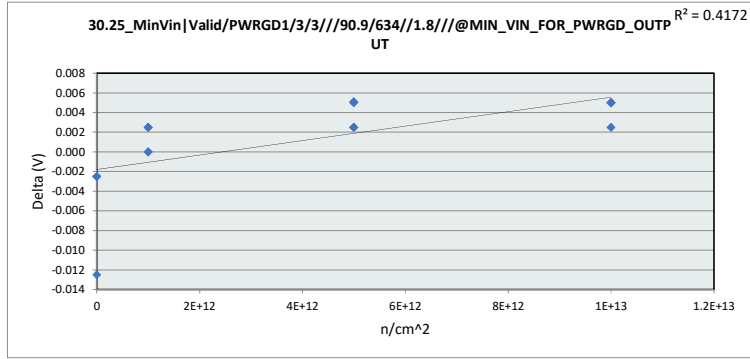


NDD Report
TPS7H4104-SP

30.25_MinVin|Valid/PWRGD1/3/3///90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1	0.995
Min Limit	-0.025	0.145

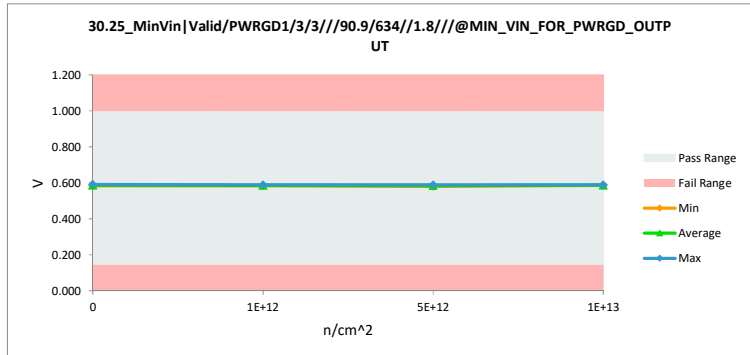
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.594	0.591	-0.002
0	2	0.589	0.586	-0.002
0	3	0.596	0.584	-0.012
1E+12	10	0.589	0.589	0.000
1E+12	11	0.584	0.586	0.002
1E+12	12	0.581	0.584	0.003
1E+12	13	0.586	0.586	0.000
5E+12	14	0.586	0.589	0.002
5E+12	15	0.581	0.586	0.005
5E+12	16	0.576	0.581	0.005
5E+12	17	0.581	0.584	0.003
1E+13	18	0.584	0.589	0.005
1E+13	19	0.581	0.586	0.005
1E+13	20	0.584	0.586	0.002
1E+13	21	0.584	0.589	0.005
Max		0.596	0.591	0.005
Average		0.585	0.586	0.001
Min		0.576	0.581	-0.012
Std Dev		0.005	0.003	0.005



30.25_MinVin|Valid/PWRGD1/3/3

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	0.584	0.584	0.581	0.586
Average	0.587	0.586	0.585	0.587
Max	0.591	0.589	0.589	0.589
UL	0.995	0.995	0.995	0.995

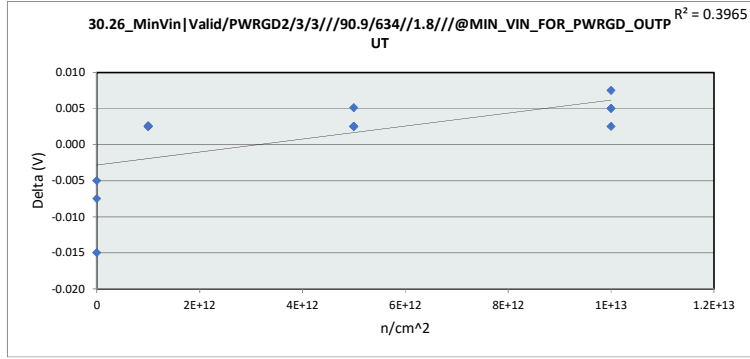


NDD Report
TPS7H4104-SP

30.26_MinVin|Valid/PWRGD2/3/3///90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1	0.995
Min Limit	-0.025	0.145

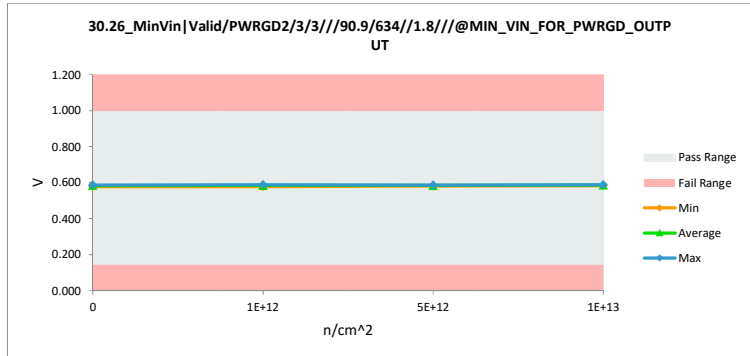
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.594	0.586	-0.007
0	2	0.589	0.584	-0.005
0	3	0.594	0.578	-0.015
1E+12	10	0.586	0.589	0.002
1E+12	11	0.581	0.584	0.003
1E+12	12	0.576	0.578	0.003
1E+12	13	0.581	0.584	0.003
5E+12	14	0.584	0.586	0.002
5E+12	15	0.581	0.584	0.003
5E+12	16	0.576	0.581	0.005
5E+12	17	0.581	0.584	0.003
1E+13	18	0.584	0.589	0.005
1E+13	19	0.581	0.586	0.005
1E+13	20	0.581	0.584	0.003
1E+13	21	0.578	0.586	0.008
Max		0.594	0.589	0.008
Average		0.583	0.584	0.001
Min		0.576	0.578	-0.015
Std Dev		0.005	0.003	0.006



30.26_MinVin|Valid/PWRGD2/3/3

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	0.579	0.579	0.581	0.584
Average	0.583	0.584	0.584	0.586
Max	0.586	0.589	0.586	0.589
UL	0.995	0.995	0.995	0.995

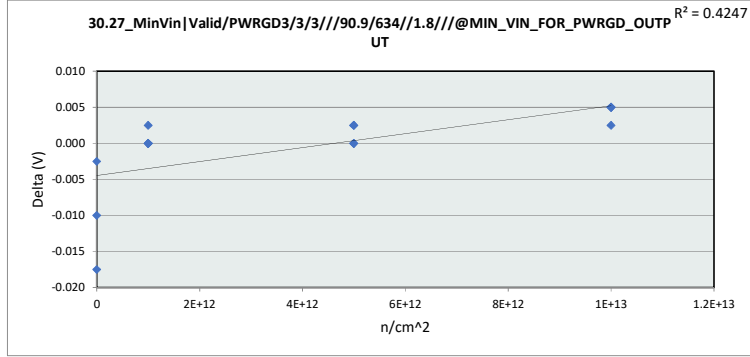


NDD Report
TPS7H4104-SP

30.27_MinVin|Valid/PWRGD3/3/3///90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1	0.995
Min Limit	-0.025	0.145

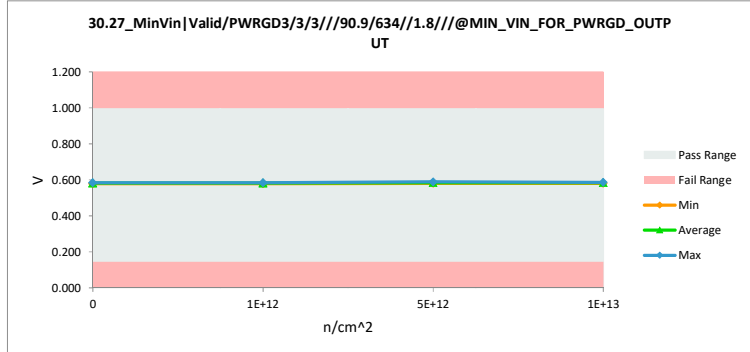
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.594	0.584	-0.010
0	2	0.586	0.584	-0.002
0	3	0.596	0.578	-0.018
1E+12	10	0.584	0.584	0.000
1E+12	11	0.578	0.578	0.000
1E+12	12	0.578	0.581	0.002
1E+12	13	0.584	0.584	0.000
5E+12	14	0.589	0.589	0.000
5E+12	15	0.581	0.581	0.000
5E+12	16	0.578	0.581	0.002
5E+12	17	0.581	0.584	0.003
1E+13	18	0.581	0.586	0.005
1E+13	19	0.578	0.584	0.005
1E+13	20	0.578	0.581	0.002
1E+13	21	0.578	0.584	0.005
Max		0.596	0.589	0.005
Average		0.583	0.583	0.000
Min		0.578	0.578	-0.018
Std Dev		0.006	0.003	0.006



30.27_MinVin|Valid/PWRGD3/3/3

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	0.579	0.579	0.581	0.581
Average	0.582	0.582	0.584	0.584
Max	0.584	0.584	0.589	0.586
UL	0.995	0.995	0.995	0.995

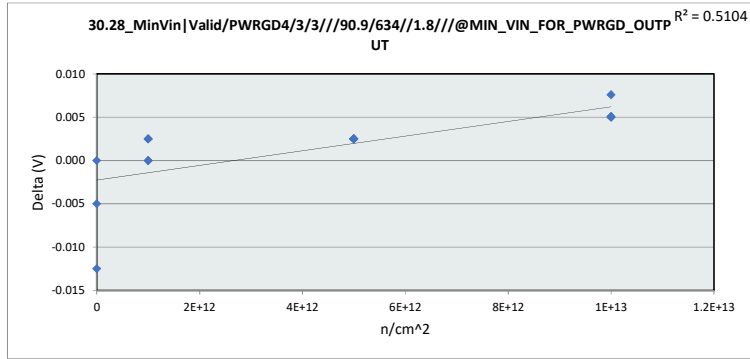


NDD Report TPS7H4104-SP

30.28_MinVin|Valid/PWRGD4/3/3///90.9/634/

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	1	0.995
Min Limit	-0.025	0.145

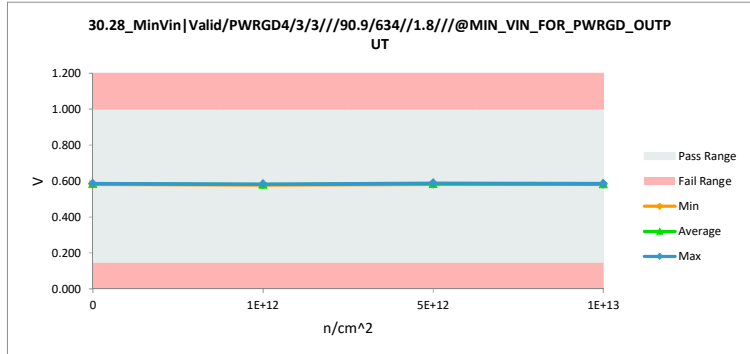
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.591	0.586	-0.005
0	2	0.586	0.586	0.000
0	3	0.594	0.581	-0.013
1E+12	10	0.581	0.584	0.003
1E+12	11	0.578	0.578	0.000
1E+12	12	0.578	0.578	0.000
1E+12	13	0.581	0.584	0.003
5E+12	14	0.586	0.589	0.002
5E+12	15	0.581	0.584	0.003
5E+12	16	0.578	0.581	0.002
5E+12	17	0.581	0.584	0.003
1E+13	18	0.581	0.586	0.005
1E+13	19	0.578	0.584	0.005
1E+13	20	0.576	0.581	0.005
1E+13	21	0.576	0.584	0.008
Max		0.594	0.589	0.008
Average		0.582	0.583	0.001
Min		0.576	0.578	-0.013
Std Dev		0.005	0.003	0.005



30.28_MinVin|Valid/PWRGD4/3/3

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	0.581	0.579	0.581	0.581
Average	0.584	0.581	0.584	0.584
Max	0.586	0.584	0.589	0.586
UL	0.995	0.995	0.995	0.995

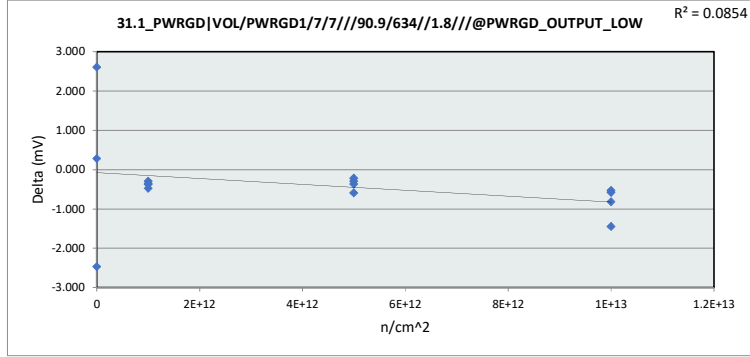


NDD Report
TPS7H4104-SP

31.1_PWRGD|VOL/PWRGD1/7/7///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

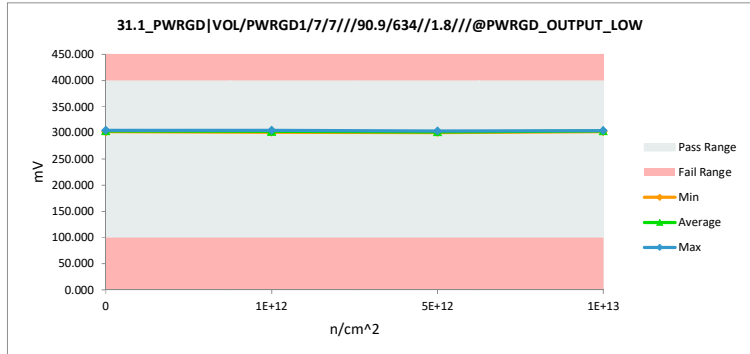
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	304.500	304.783	0.282
0	2	302.039	304.645	2.606
0	3	304.372	301.906	-2.466
1E+12	10	303.391	303.040	-0.352
1E+12	11	301.748	301.375	-0.373
1E+12	12	302.039	301.565	-0.473
1E+12	13	304.769	304.473	-0.296
5E+12	14	303.822	303.605	-0.217
5E+12	15	301.061	300.469	-0.592
5E+12	16	302.232	301.865	-0.367
5E+12	17	301.170	300.878	-0.292
1E+13	18	304.835	304.258	-0.577
1E+13	19	304.706	303.889	-0.817
1E+13	20	303.866	302.418	-1.448
1E+13	21	303.960	303.433	-0.527
Max		304.835	304.783	2.606
Average		303.234	302.840	-0.394
Min		301.061	300.469	-2.466
Std Dev		1.371	1.440	1.042



31.1_PWRGD|VOL/PWRGD1/7/7//

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	301.906	301.375	300.469	302.418
Average	303.778	302.613	301.704	303.500
Max	304.783	304.473	303.605	304.258
UL	399.000	399.000	399.000	399.000

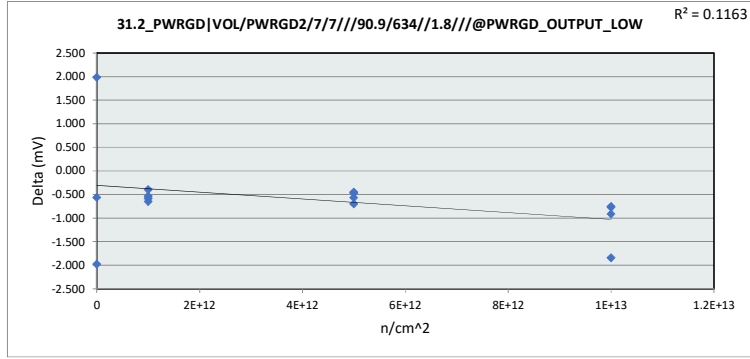


NDD Report TPS7H4104-SP

31.2_PWRGD|VOL/PWRGD2/7/7///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

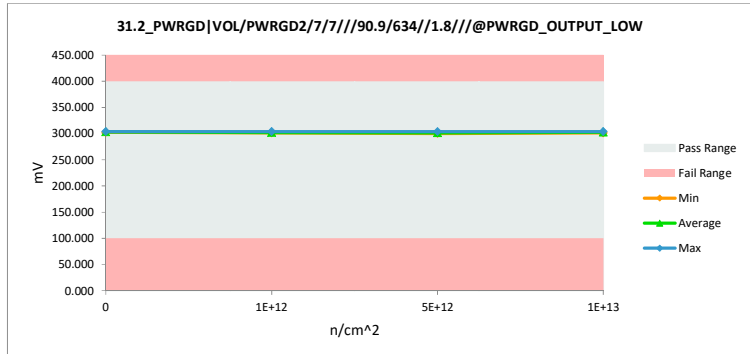
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	303.783	303.217	-0.565
0	2	301.784	303.767	1.983
0	3	304.548	302.571	-1.977
1E+12	10	302.755	302.355	-0.400
1E+12	11	301.806	301.219	-0.587
1E+12	12	301.974	301.322	-0.653
1E+12	13	304.270	303.732	-0.537
5E+12	14	304.217	303.764	-0.453
5E+12	15	301.056	300.354	-0.702
5E+12	16	301.996	301.425	-0.571
5E+12	17	301.337	300.866	-0.471
1E+13	18	304.732	303.960	-0.772
1E+13	19	304.545	303.629	-0.915
1E+13	20	303.192	301.350	-1.843
1E+13	21	303.236	302.480	-0.756
Max		304.732	303.960	1.983
Average		303.015	302.401	-0.615
Min		301.056	300.354	-1.977
Std Dev		1.286	1.234	0.860



31.2_PWRGD|VOL/PWRGD2/7/7//

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	302.571	301.219	300.354	301.350
Average	303.185	302.157	301.602	302.855
Max	303.767	303.732	303.764	303.960
UL	399.000	399.000	399.000	399.000

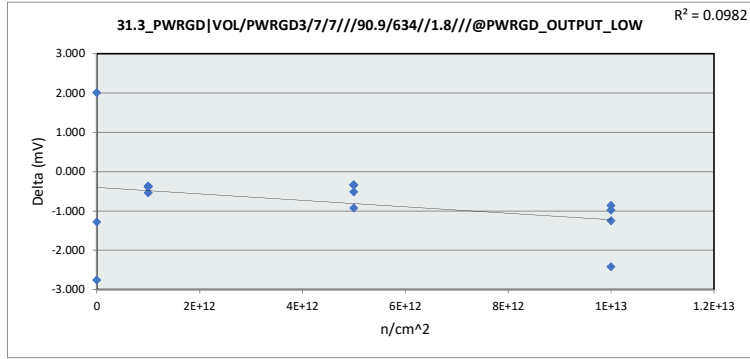


NDD Report
TPS7H4104-SP

31.3_PWRGD|VOL/PWRGD3/7/7///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

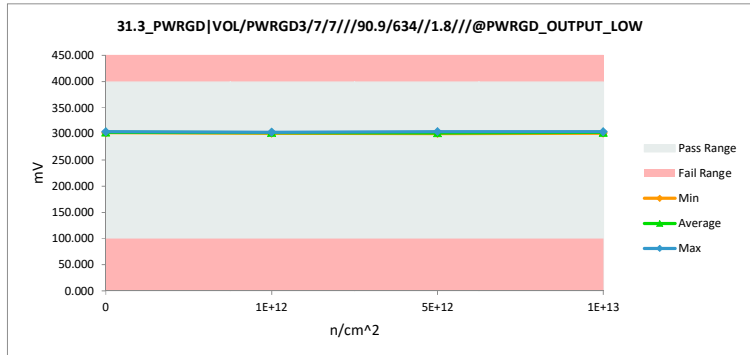
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	304.366	303.086	-1.281
0	2	301.814	303.826	2.012
0	3	304.995	302.239	-2.756
1E+12	10	303.497	303.120	-0.377
1E+12	11	302.261	301.893	-0.369
1E+12	12	301.423	300.884	-0.539
1E+12	13	303.581	303.195	-0.386
5E+12	14	304.423	304.082	-0.341
5E+12	15	301.642	300.719	-0.923
5E+12	16	302.668	302.155	-0.513
5E+12	17	300.751	300.416	-0.335
1E+13	18	304.707	303.729	-0.978
1E+13	19	303.775	302.527	-1.248
1E+13	20	303.922	301.505	-2.417
1E+13	21	303.975	303.117	-0.858
Max		304.995	304.082	2.012
Average		303.187	302.433	-0.754
Min		300.751	300.416	-2.756
Std Dev		1.328	1.164	1.066



31.3_PWRGD|VOL/PWRGD3/7/7//

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	302.239	300.884	300.416	301.506
Average	303.050	302.273	301.843	302.719
Max	303.826	303.195	304.082	303.729
UL	399.000	399.000	399.000	399.000

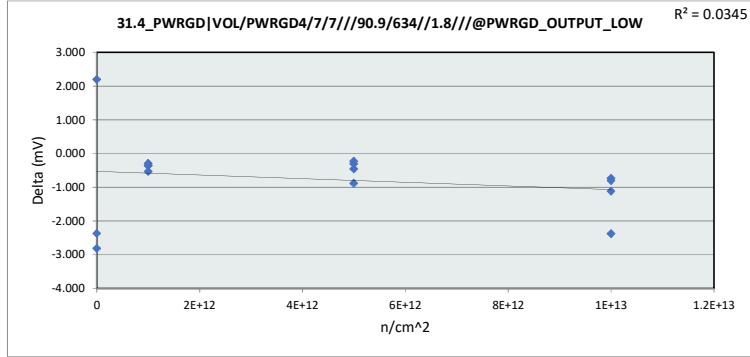


NDD Report
TPS7H4104-SP

31.4_PWRGD|VOL/PWRGD4/7/7///90.9/634//

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	400	399
Min Limit	40.2	100

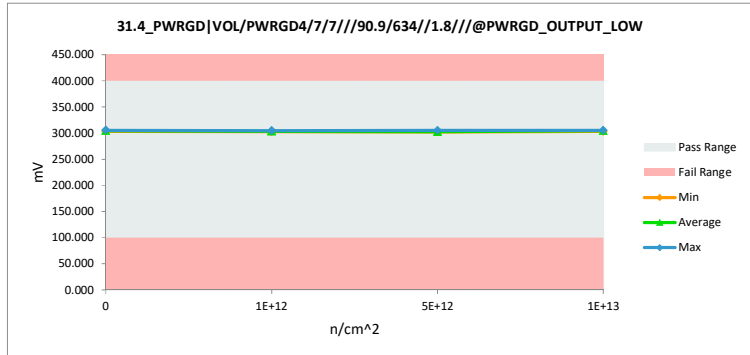
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	306.410	304.038	-2.372
0	2	303.159	305.359	2.200
0	3	306.132	303.317	-2.815
1E+12	10	304.289	303.941	-0.348
1E+12	11	303.471	303.114	-0.357
1E+12	12	303.069	302.536	-0.532
1E+12	13	304.742	304.453	-0.289
5E+12	14	305.258	305.028	-0.230
5E+12	15	302.753	301.868	-0.885
5E+12	16	303.353	302.895	-0.457
5E+12	17	302.244	301.940	-0.304
1E+13	18	305.273	304.472	-0.801
1E+13	19	305.501	304.385	-1.116
1E+13	20	305.492	303.117	-2.375
1E+13	21	305.548	304.813	-0.735
	Max	306.410	305.359	2.200
	Average	304.446	303.685	-0.761
	Min	302.244	301.868	-2.815
	Std Dev	1.336	1.097	1.181



31.4_PWRGD|VOL/PWRGD4/7/7//

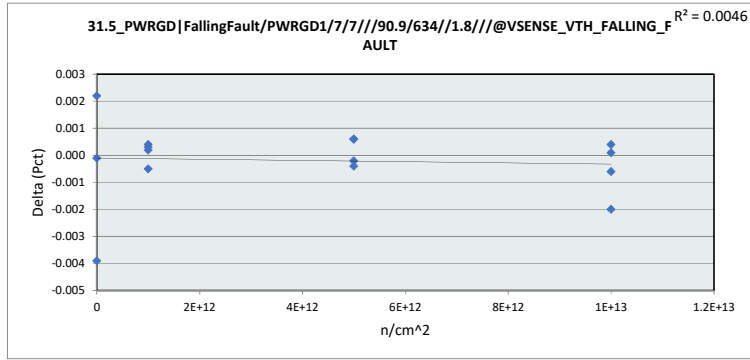
Test Site		
Tester		
Test Number		
Max Limit	399	mV
Min Limit	100	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	303.317	302.536	301.868	303.117
Average	304.238	303.511	302.933	304.197
Max	305.359	304.454	305.028	304.813
UL	399.000	399.000	399.000	399.000

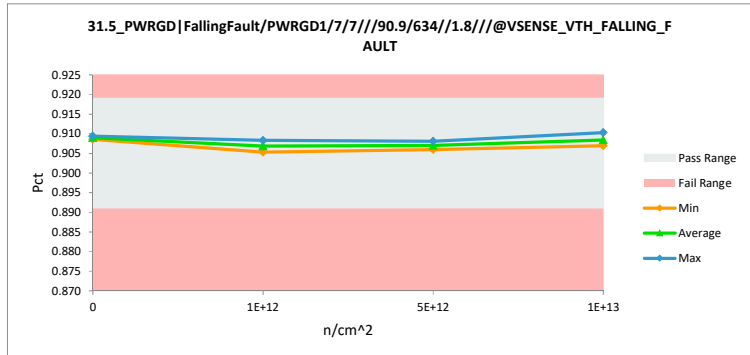


NDD Report
TPS7H4104-SP

31.5_PWRGD FallingFault/PWRGD1/7/7///90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.906	0.909	0.002
0	2	0.913	0.909	-0.004
0	3	0.909	0.909	0.000
1E+12	10	0.909	0.908	-0.001
1E+12	11	0.907	0.908	0.000
1E+12	12	0.906	0.906	0.000
1E+12	13	0.905	0.905	0.000
5E+12	14	0.906	0.906	0.001
5E+12	15	0.908	0.908	0.000
5E+12	16	0.908	0.908	0.001
5E+12	17	0.906	0.906	0.000
1E+13	18	0.908	0.907	-0.001
1E+13	19	0.910	0.910	0.000
1E+13	20	0.909	0.907	-0.002
1E+13	21	0.909	0.909	0.000
Max		0.913	0.910	0.002
Average		0.908	0.908	0.000
Min		0.905	0.905	-0.004
Std Dev		0.002	0.001	0.001

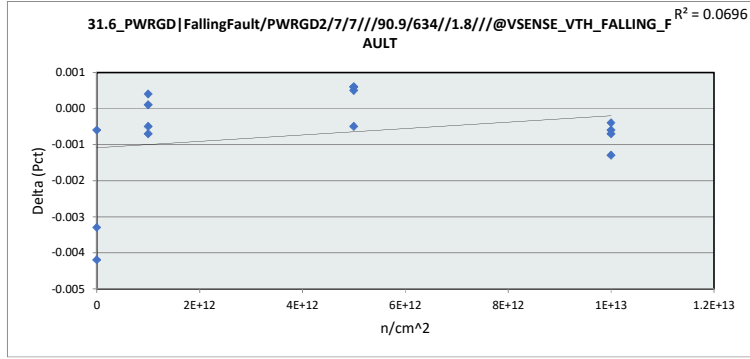


31.5_PWRGD FallingFault/PWRGD1/7/7///90.9				
Test Site				
Tester				
Test Number				
Max Limit	0.919	Pct		
Min Limit	0.891	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.909	0.905	0.906	0.907
Average	0.909	0.907	0.907	0.908
Max	0.909	0.908	0.908	0.910
UL	0.919	0.919	0.919	0.919

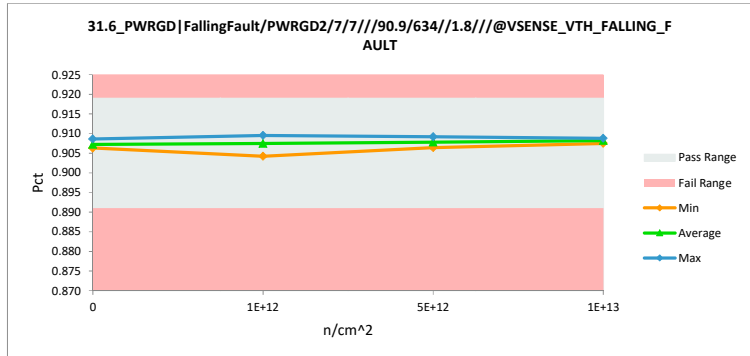


NDD Report
TPS7H4104-SP

31.6_PWRGD FallingFault/PWRGD2/7/7//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.913	0.909	-0.004
0	2	0.910	0.906	-0.003
0	3	0.907	0.907	-0.001
1E+12	10	0.908	0.908	0.000
1E+12	11	0.905	0.904	-0.001
1E+12	12	0.909	0.908	0.000
1E+12	13	0.909	0.910	0.000
5E+12	14	0.906	0.907	0.001
5E+12	15	0.909	0.909	-0.001
5E+12	16	0.909	0.909	0.001
5E+12	17	0.906	0.906	0.001
1E+13	18	0.909	0.909	-0.001
1E+13	19	0.908	0.908	-0.001
1E+13	20	0.909	0.908	-0.001
1E+13	21	0.909	0.909	0.000
Max		0.913	0.910	0.001
Average		0.908	0.908	-0.001
Min		0.905	0.904	-0.004
Std Dev		0.002	0.001	0.001

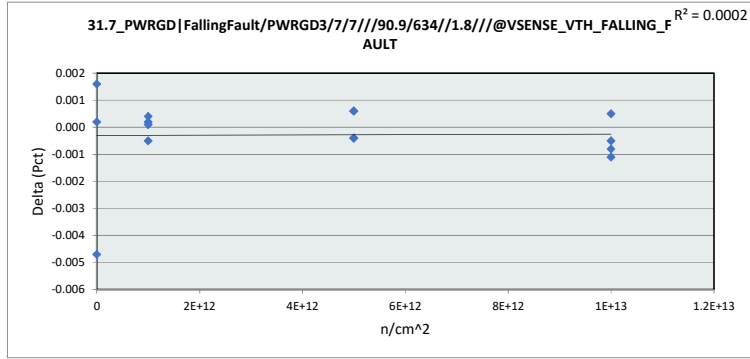


31.6_PWRGD FallingFault/PWRGD2/7/7//90.9/634//1.8//@VSENSE_VTH_FALLING_F AULT				
Test Site				
Tester				
Test Number				
Max Limit	0.919		Pct	
Min Limit	0.891		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.906	0.904	0.906	0.908
Average	0.907	0.907	0.908	0.908
Max	0.909	0.910	0.909	0.909
UL	0.919	0.919	0.919	0.919

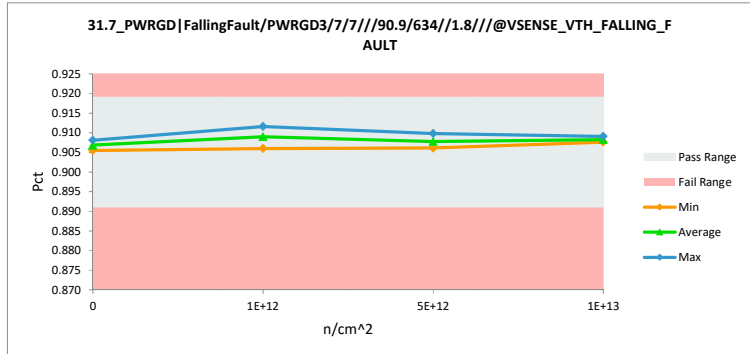


NDD Report
TPS7H4104-SP

31.7_PWRGD FallingFault/PWRGD3/7/7//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.912	0.907	-0.005
0	2	0.904	0.905	0.002
0	3	0.908	0.908	0.000
1E+12	10	0.906	0.906	0.000
1E+12	11	0.911	0.912	0.000
1E+12	12	0.909	0.908	0.000
1E+12	13	0.910	0.910	0.000
5E+12	14	0.907	0.907	0.001
5E+12	15	0.910	0.910	0.000
5E+12	16	0.906	0.906	0.000
5E+12	17	0.907	0.908	0.001
1E+13	18	0.908	0.908	-0.001
1E+13	19	0.909	0.908	-0.001
1E+13	20	0.909	0.909	0.001
1E+13	21	0.909	0.908	-0.001
Max		0.912	0.912	0.002
Average		0.908	0.908	0.000
Min		0.904	0.905	-0.005
Std Dev		0.002	0.002	0.001

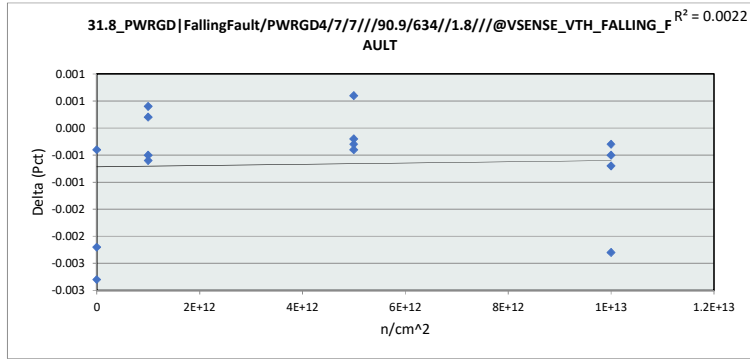


31.7_PWRGD FallingFault/PWRGD3/7/7//90.9				
Test Site				
Tester				
Test Number				
Max Limit	0.919	Pct		
Min Limit	0.891	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.891	0.891	0.891	0.891
Min	0.906	0.906	0.906	0.908
Average	0.907	0.909	0.908	0.908
Max	0.908	0.912	0.910	0.909
UL	0.919	0.919	0.919	0.919

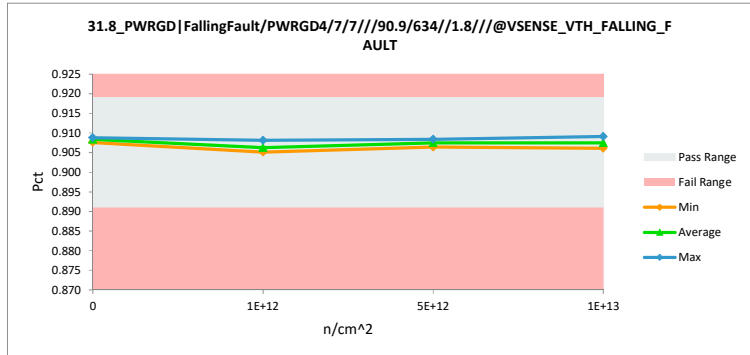


NDD Report
TPS7H4104-SP

31.8_PWRGD FallingFault/PWRGD4/7/7//90.9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.911	0.909	-0.002
0	2	0.909	0.909	0.000
0	3	0.910	0.908	-0.003
1E+12	10	0.905	0.905	0.000
1E+12	11	0.906	0.906	-0.001
1E+12	12	0.907	0.906	-0.001
1E+12	13	0.908	0.908	0.000
5E+12	14	0.908	0.908	0.001
5E+12	15	0.908	0.907	0.000
5E+12	16	0.908	0.908	0.000
5E+12	17	0.907	0.906	0.000
1E+13	18	0.910	0.909	-0.001
1E+13	19	0.908	0.907	-0.001
1E+13	20	0.908	0.906	-0.002
1E+13	21	0.908	0.908	0.000
Max		0.911	0.909	0.001
Average		0.908	0.907	-0.001
Min		0.905	0.905	-0.003
Std Dev		0.002	0.001	0.001



31.8_PWRGD FallingFault/PWRGD4/7/7//90.9/634//1.8//@VSENSE_VTH_FALLING_F AULT				
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	0.908	0.905	0.906	0.906
Average	0.908	0.906	0.907	0.908
Max	0.909	0.908	0.908	0.909
UL	0.919	0.919	0.919	0.919

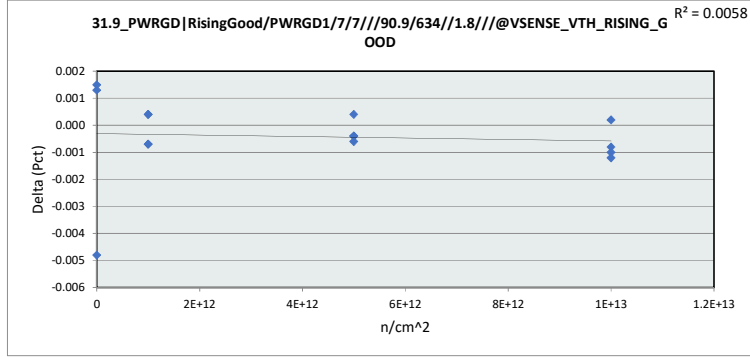


NDD Report
TPS7H4104-SP

31.9_PWRGD|RisingGood/PWRGD1/7/7//90.9

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	0.96	0.959
Min Limit	0.92	0.921

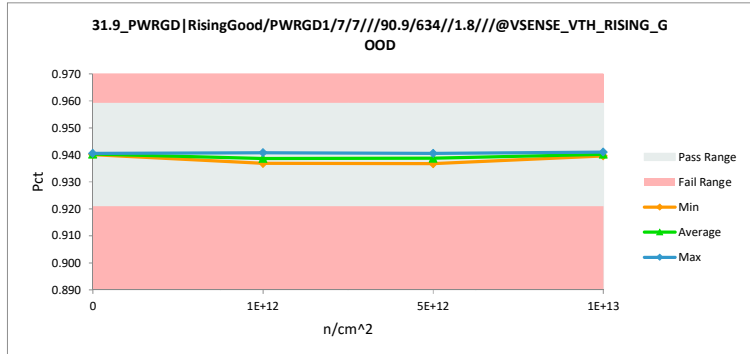
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.939	0.940	0.001
0	2	0.945	0.940	-0.005
0	3	0.939	0.941	0.002
1E+12	10	0.940	0.941	0.000
1E+12	11	0.941	0.940	-0.001
1E+12	12	0.937	0.937	0.000
1E+12	13	0.938	0.937	-0.001
5E+12	14	0.938	0.938	0.000
5E+12	15	0.940	0.940	-0.001
5E+12	16	0.941	0.941	0.000
5E+12	17	0.937	0.937	0.000
1E+13	18	0.940	0.940	-0.001
1E+13	19	0.942	0.941	-0.001
1E+13	20	0.941	0.940	-0.001
1E+13	21	0.941	0.941	0.000
Max		0.945	0.941	0.002
Average		0.940	0.939	0.000
Min		0.937	0.937	-0.005
Std Dev		0.002	0.001	0.001



31.9_PWRGD|RisingGood/PWRGD1

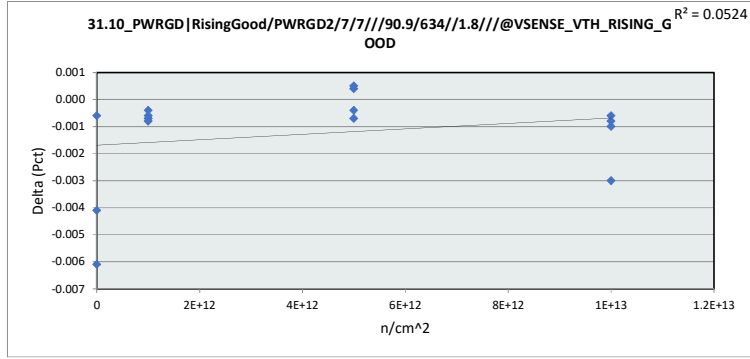
Test Site		
Tester		
Test Number		
Max Limit	0.959	Pct
Min Limit	0.921	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.940	0.937	0.937	0.940
Average	0.940	0.939	0.939	0.940
Max	0.941	0.941	0.941	0.941
UL	0.959	0.959	0.959	0.959

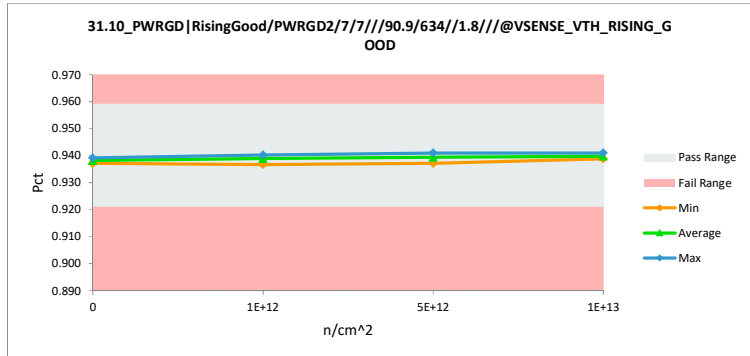


NDD Report
TPS7H4104-SP

31.10_PWRGD RisingGood/PWRGD2/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_G				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.945	0.939	-0.006
0	2	0.941	0.937	-0.004
0	3	0.939	0.938	-0.001
1E+12	10	0.940	0.940	0.000
1E+12	11	0.937	0.937	-0.001
1E+12	12	0.939	0.939	-0.001
1E+12	13	0.941	0.940	-0.001
5E+12	14	0.938	0.938	0.000
5E+12	15	0.942	0.941	-0.001
5E+12	16	0.940	0.941	0.001
5E+12	17	0.938	0.937	0.000
1E+13	18	0.941	0.940	-0.001
1E+13	19	0.940	0.939	-0.001
1E+13	20	0.942	0.939	-0.003
1E+13	21	0.942	0.941	-0.001
Max		0.945	0.941	0.001
Average		0.940	0.939	-0.001
Min		0.937	0.937	-0.006
Std Dev		0.002	0.001	0.002

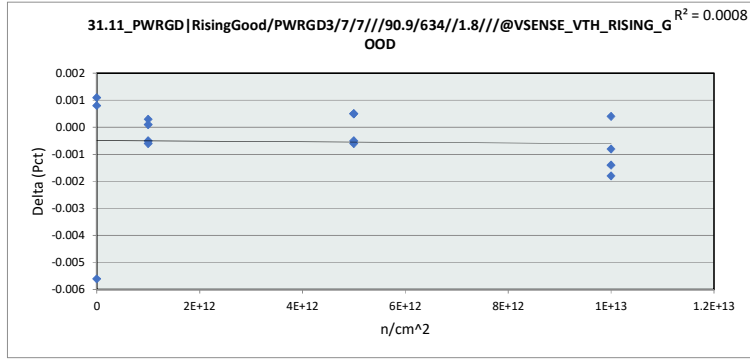


31.10_PWRGD RisingGood/PWRGD				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.937	0.937	0.937	0.939
Average	0.938	0.939	0.939	0.940
Max	0.939	0.940	0.941	0.941
UL	0.959	0.959	0.959	0.959

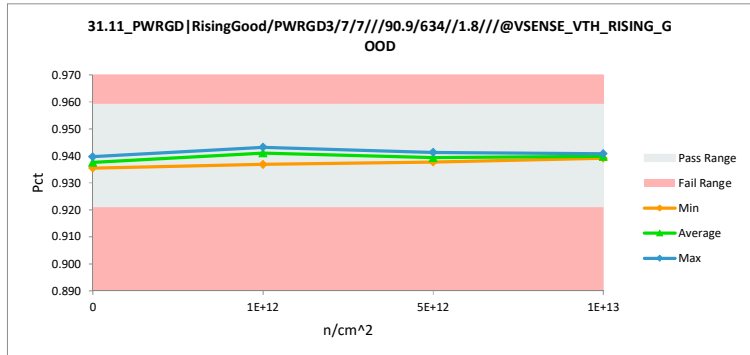


NDD Report
TPS7H4104-SP

31.11_PWRGD RisingGood/PWRGD3/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_G				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.943	0.938	-0.006
0	2	0.935	0.936	0.001
0	3	0.939	0.940	0.001
1E+12	10	0.937	0.937	-0.001
1E+12	11	0.944	0.943	-0.001
1E+12	12	0.941	0.941	0.000
1E+12	13	0.942	0.943	0.000
5E+12	14	0.937	0.938	0.001
5E+12	15	0.942	0.941	-0.001
5E+12	16	0.938	0.938	-0.001
5E+12	17	0.940	0.940	0.000
1E+13	18	0.940	0.939	-0.001
1E+13	19	0.942	0.940	-0.002
1E+13	20	0.940	0.941	0.000
1E+13	21	0.941	0.940	-0.001
Max		0.944	0.943	0.001
Average		0.940	0.940	-0.001
Min		0.935	0.936	-0.006
Std Dev		0.002	0.002	0.002

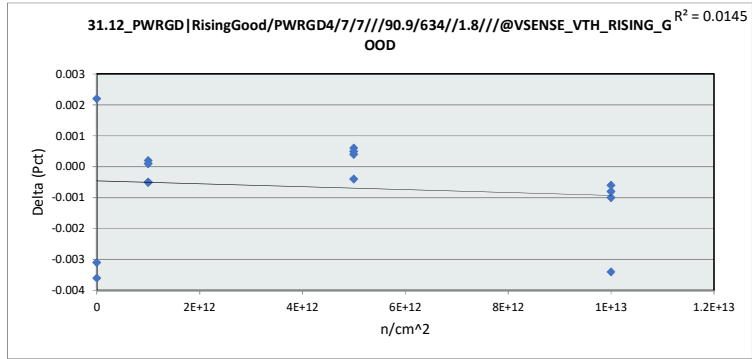


31.11_PWRGD RisingGood/PWRGD3/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_G				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.936	0.937	0.938	0.939
Average	0.938	0.941	0.939	0.940
Max	0.940	0.943	0.941	0.941
UL	0.959	0.959	0.959	0.959

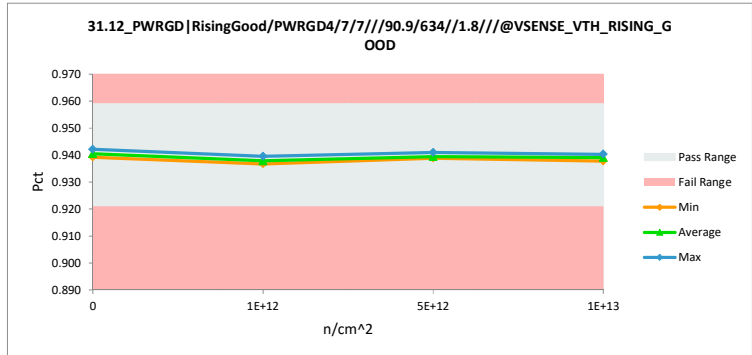


NDD Report TPS7H4104-SP

31.12_PWRGD RisingGood/PWRGD4/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_G				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.943	0.940	-0.003
0	2	0.940	0.942	0.002
0	3	0.943	0.939	-0.004
1E+12	10	0.937	0.937	-0.001
1E+12	11	0.937	0.937	0.000
1E+12	12	0.938	0.938	-0.001
1E+12	13	0.939	0.939	0.000
5E+12	14	0.939	0.939	0.001
5E+12	15	0.939	0.939	0.000
5E+12	16	0.941	0.941	0.000
5E+12	17	0.938	0.939	0.001
1E+13	18	0.940	0.939	-0.001
1E+13	19	0.940	0.939	-0.001
1E+13	20	0.941	0.938	-0.003
1E+13	21	0.941	0.940	-0.001
Max		0.943	0.942	0.002
Average		0.940	0.939	-0.001
Min		0.937	0.937	-0.004
Std Dev		0.002	0.001	0.002

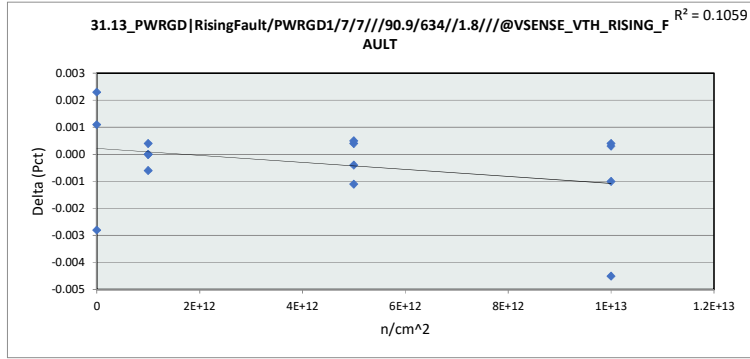


31.12_PWRGD RisingGood/PWRGD4/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_G				
Test Site				
Tester				
Test Number				
Max Limit	0.959	Pct		
Min Limit	0.921	Pct		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.921	0.921	0.921	0.921
Min	0.939	0.937	0.939	0.938
Average	0.941	0.938	0.939	0.939
Max	0.942	0.940	0.941	0.940
UL	0.959	0.959	0.959	0.959

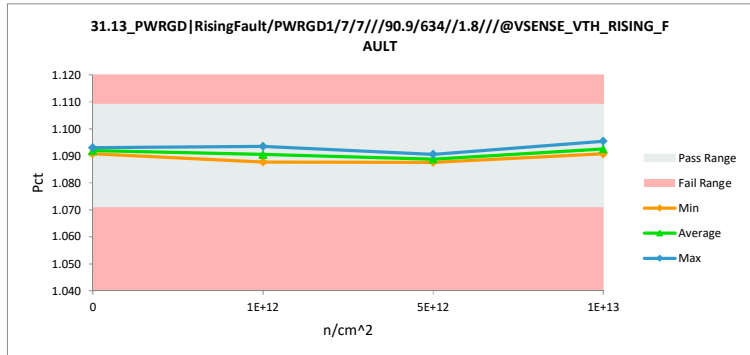


NDD Report
TPS7H4104-SP

31.13_PWRGD RisingFault/PWRGD1/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.091	1.093	0.002
0	2	1.091	1.092	0.001
0	3	1.094	1.091	-0.003
1E+12	10	1.092	1.091	-0.001
1E+12	11	1.088	1.088	0.000
1E+12	12	1.093	1.094	0.000
1E+12	13	1.090	1.090	0.000
5E+12	14	1.090	1.091	0.000
5E+12	15	1.089	1.088	0.000
5E+12	16	1.087	1.088	0.000
5E+12	17	1.090	1.089	-0.001
1E+13	18	1.093	1.093	0.000
1E+13	19	1.092	1.091	-0.001
1E+13	20	1.095	1.091	-0.004
1E+13	21	1.095	1.095	0.000
Max		1.095	1.095	0.002
Average		1.091	1.091	0.000
Min		1.087	1.088	-0.004
Std Dev		0.002	0.002	0.002

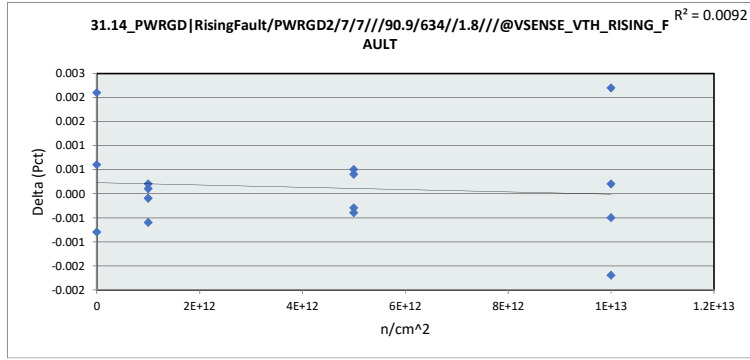


31.13_PWRGD RisingFault/PWRGD1/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
Test Site				
Tester				
Test Number				
Max Limit	1.109		Pct	
Min Limit	1.071		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.091	1.088	1.088	1.091
Average	1.092	1.091	1.089	1.093
Max	1.093	1.094	1.091	1.095
UL	1.109	1.109	1.109	1.109

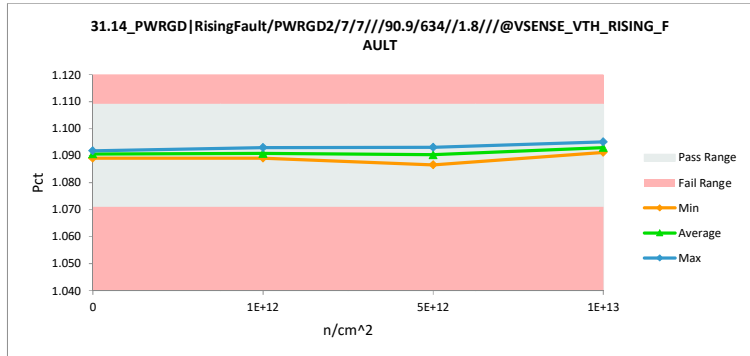


NDD Report
TPS7H4104-SP

31.14_PWRGD RisingFault/PWRGD2/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.092	1.091	-0.001
0	2	1.088	1.089	0.001
0	3	1.090	1.092	0.002
1E+12	10	1.091	1.091	0.000
1E+12	11	1.093	1.093	0.000
1E+12	12	1.090	1.089	-0.001
1E+12	13	1.090	1.090	0.000
5E+12	14	1.090	1.090	0.000
5E+12	15	1.093	1.093	0.000
5E+12	16	1.091	1.092	0.000
5E+12	17	1.086	1.087	0.000
1E+13	18	1.095	1.095	0.000
1E+13	19	1.093	1.092	-0.002
1E+13	20	1.092	1.094	0.002
1E+13	21	1.092	1.091	0.000
Max		1.095	1.095	0.002
Average		1.091	1.091	0.000
Min		1.086	1.087	-0.002
Std Dev		0.002	0.002	0.001

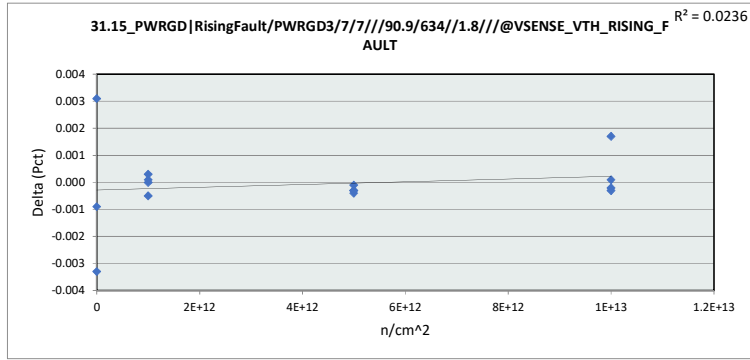


31.14_PWRGD RisingFault/PWRGD				
Test Site				
Tester				
Test Number				
Max Limit	1.109		Pct	
Min Limit	1.071		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.089	1.089	1.087	1.091
Average	1.091	1.091	1.090	1.093
Max	1.092	1.093	1.093	1.095
UL	1.109	1.109	1.109	1.109

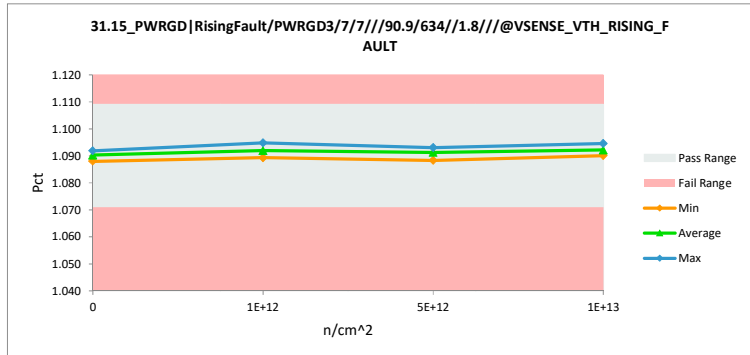


NDD Report
TPS7H4104-SP

31.15_PWRGD RisingFault/PWRGD3/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.093	1.092	-0.001
0	2	1.091	1.088	-0.003
0	3	1.088	1.091	0.003
1E+12	10	1.090	1.089	0.000
1E+12	11	1.089	1.089	0.000
1E+12	12	1.094	1.094	0.000
1E+12	13	1.095	1.095	0.000
5E+12	14	1.093	1.093	0.000
5E+12	15	1.089	1.088	0.000
5E+12	16	1.093	1.092	0.000
5E+12	17	1.092	1.091	0.000
1E+13	18	1.090	1.090	0.000
1E+13	19	1.092	1.092	0.000
1E+13	20	1.093	1.095	0.002
1E+13	21	1.093	1.092	0.000
Max		1.095	1.095	0.003
Average		1.092	1.091	0.000
Min		1.088	1.088	-0.003
Std Dev		0.002	0.002	0.001

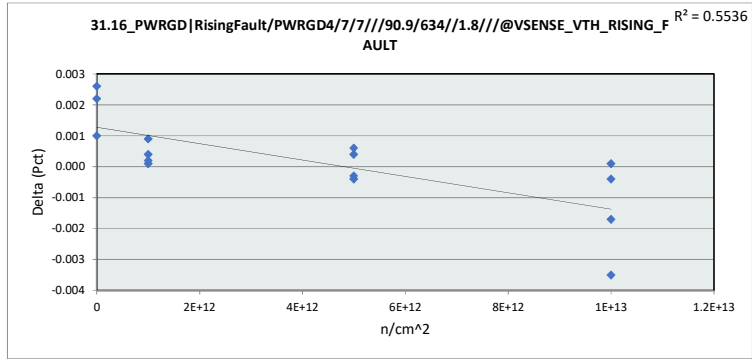


31.15_PWRGD RisingFault/PWRGD3/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
Test Site				
Tester				
Test Number				
Max Limit		1.109	Pct	
Min Limit		1.071	Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.088	1.089	1.088	1.090
Average	1.090	1.092	1.091	1.092
Max	1.092	1.095	1.093	1.095
UL	1.109	1.109	1.109	1.109

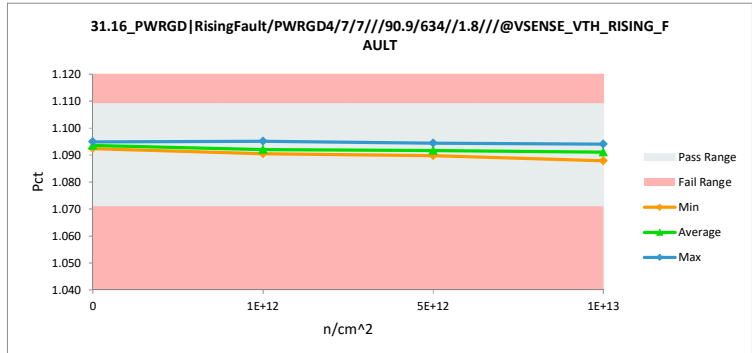


NDD Report
TPS7H4104-SP

31.16_PWRGD RisingFault/PWRGD4/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.091	1.092	0.001
0	2	1.091	1.094	0.002
0	3	1.092	1.095	0.003
1E+12	10	1.095	1.095	0.000
1E+12	11	1.090	1.090	0.000
1E+12	12	1.091	1.091	0.000
1E+12	13	1.090	1.091	0.001
5E+12	14	1.092	1.093	0.000
5E+12	15	1.095	1.094	0.000
5E+12	16	1.090	1.090	0.000
5E+12	17	1.089	1.090	0.001
1E+13	18	1.088	1.088	0.000
1E+13	19	1.093	1.091	-0.002
1E+13	20	1.095	1.091	-0.003
1E+13	21	1.094	1.094	0.000
Max		1.095	1.095	0.003
Average		1.092	1.092	0.000
Min		1.088	1.088	-0.003
Std Dev		0.002	0.002	0.001

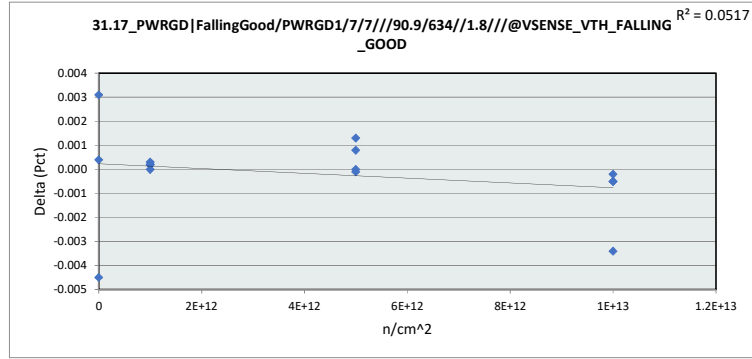


31.16_PWRGD RisingFault/PWRGD4/7/7///90.9/634//1.8///@VSENSE_VTH_RISING_F				
Test Site				
Tester				
Test Number				
Max Limit	1.109		Pct	
Min Limit	1.071		Pct	
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.071	1.071	1.071	1.071
Min	1.092	1.091	1.090	1.088
Average	1.094	1.092	1.092	1.091
Max	1.095	1.095	1.094	1.094
UL	1.109	1.109	1.109	1.109

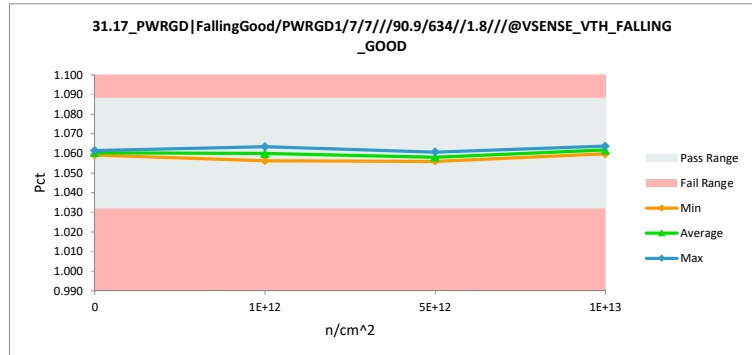


NDD Report
TPS7H4104-SP

31.17_PWRGD FallingGood/PWRGD1/7/7//90.				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.058	1.061	0.003
0	2	1.060	1.060	0.000
0	3	1.064	1.059	-0.004
1E+12	10	1.061	1.061	0.000
1E+12	11	1.056	1.056	0.000
1E+12	12	1.063	1.063	0.000
1E+12	13	1.059	1.059	0.000
5E+12	14	1.059	1.061	0.001
5E+12	15	1.057	1.057	0.000
5E+12	16	1.055	1.056	0.001
5E+12	17	1.059	1.059	0.000
1E+13	18	1.064	1.063	0.000
1E+13	19	1.061	1.060	-0.001
1E+13	20	1.063	1.060	-0.003
1E+13	21	1.064	1.064	0.000
Max		1.064	1.064	0.003
Average		1.060	1.060	0.000
Min		1.055	1.056	-0.004
Std Dev		0.003	0.002	0.002



31.17_PWRGD FallingGood/PWRGD1/7/7//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD				
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	1.056	1.056	1.060
Average	1.060	1.060	1.058	1.062
Max	1.061	1.063	1.061	1.064
UL	1.088	1.088	1.088	1.088

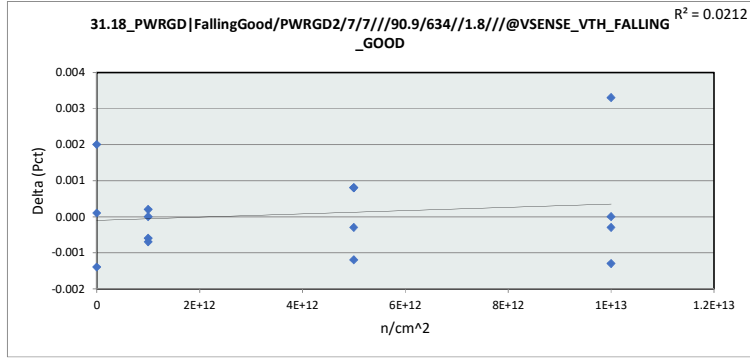


NDD Report
TPS7H4104-SP

31.18_PWRGD|FallingGood/PWRGD2/7/7//90.

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	1.09	1.088
Min Limit	1.03	1.032

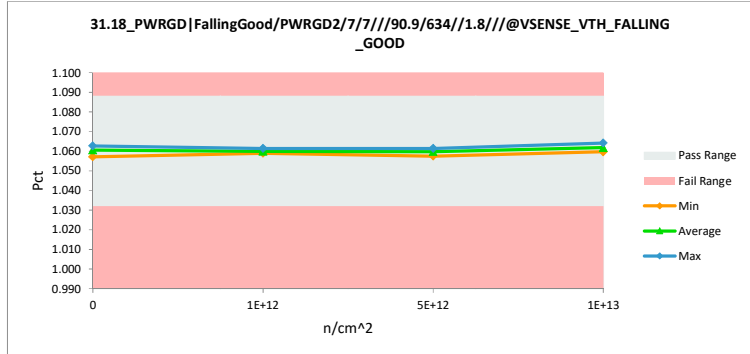
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.062	1.062	0.000
0	2	1.059	1.057	-0.001
0	3	1.061	1.063	0.002
1E+12	10	1.060	1.059	-0.001
1E+12	11	1.062	1.061	-0.001
1E+12	12	1.060	1.060	0.000
1E+12	13	1.060	1.060	0.000
5E+12	14	1.060	1.059	0.000
5E+12	15	1.063	1.061	-0.001
5E+12	16	1.060	1.061	0.001
5E+12	17	1.057	1.058	0.001
1E+13	18	1.064	1.064	0.000
1E+13	19	1.061	1.060	-0.001
1E+13	20	1.060	1.063	0.003
1E+13	21	1.060	1.060	0.000
Max		1.064	1.064	0.003
Average		1.060	1.061	0.000
Min		1.057	1.057	-0.001
Std Dev		0.002	0.002	0.001



31.18_PWRGD|FallingGood/PWRGD2/7/7//90.

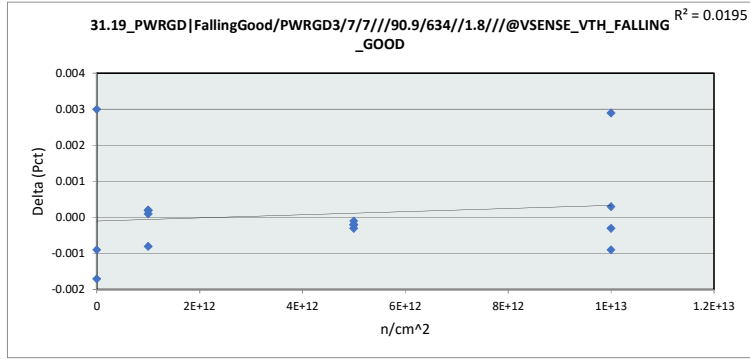
Test Site		
Tester		
Test Number		
Max Limit	1.088	Pct
Min Limit	1.032	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.057	1.059	1.058	1.060
Average	1.061	1.060	1.060	1.062
Max	1.063	1.061	1.061	1.064
UL	1.088	1.088	1.088	1.088

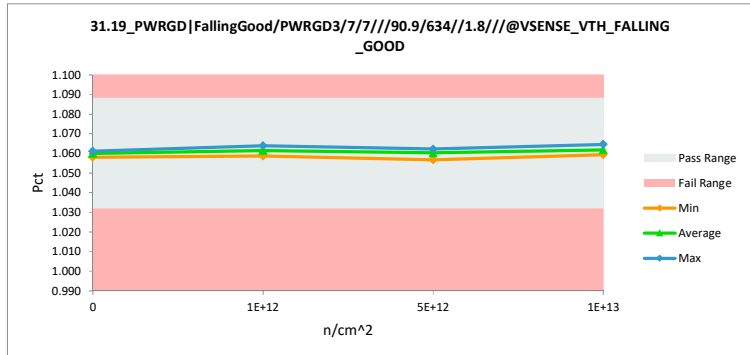


NDD Report
TPS7H4104-SP

31.19_PWRGD FallingGood/PWRGD3/7/7//90.				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.062	1.061	-0.001
0	2	1.060	1.058	-0.002
0	3	1.058	1.061	0.003
1E+12	10	1.060	1.060	0.000
1E+12	11	1.059	1.059	0.000
1E+12	12	1.063	1.063	0.000
1E+12	13	1.065	1.064	-0.001
5E+12	14	1.062	1.062	0.000
5E+12	15	1.057	1.057	0.000
5E+12	16	1.062	1.062	0.000
5E+12	17	1.061	1.061	0.000
1E+13	18	1.060	1.059	0.000
1E+13	19	1.061	1.062	0.000
1E+13	20	1.062	1.065	0.003
1E+13	21	1.062	1.061	-0.001
Max		1.065	1.065	0.003
Average		1.061	1.061	0.000
Min		1.057	1.057	-0.002
Std Dev		0.002	0.002	0.001



31.19_PWRGD FallingGood/PWRGD3/7/7//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD				
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	1.059	1.057	1.059
Average	1.060	1.062	1.060	1.062
Max	1.061	1.064	1.062	1.065
UL	1.088	1.088	1.088	1.088

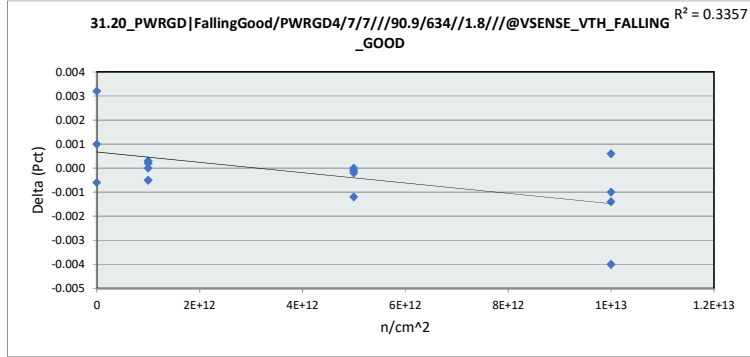


NDD Report
TPS7H4104-SP

31.20_PWRGD|FallingGood/PWRGD4/7/7//90.

Test Site		
Tester		
Test Number		
Unit	Pct	Pct
Max Limit	1.09	1.088
Min Limit	1.03	1.032

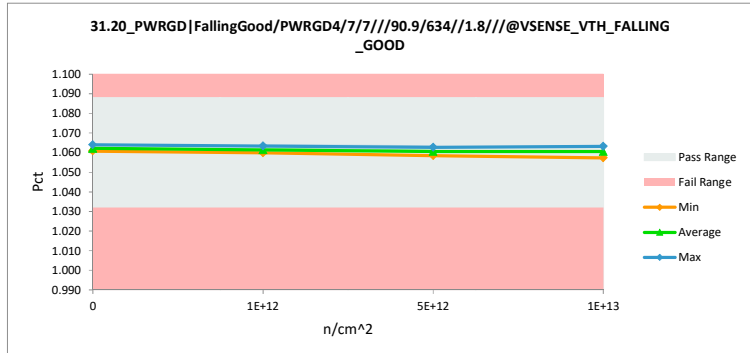
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.061	1.062	0.001
0	2	1.061	1.061	-0.001
0	3	1.061	1.064	0.003
1E+12	10	1.064	1.063	0.000
1E+12	11	1.060	1.060	0.000
1E+12	12	1.061	1.061	0.000
1E+12	13	1.061	1.061	0.000
5E+12	14	1.062	1.062	0.000
5E+12	15	1.064	1.063	-0.001
5E+12	16	1.059	1.059	0.000
5E+12	17	1.059	1.059	0.000
1E+13	18	1.057	1.057	0.001
1E+13	19	1.063	1.061	-0.001
1E+13	20	1.064	1.060	-0.004
1E+13	21	1.064	1.063	-0.001
Max		1.064	1.064	0.003
Average		1.061	1.061	0.000
Min		1.057	1.057	-0.004
Std Dev		0.002	0.002	0.002



31.20_PWRGD|FallingGood/PWRGD4/7/7//90.9/634//1.8///@VSENSE_VTH_FALLING_GOOD

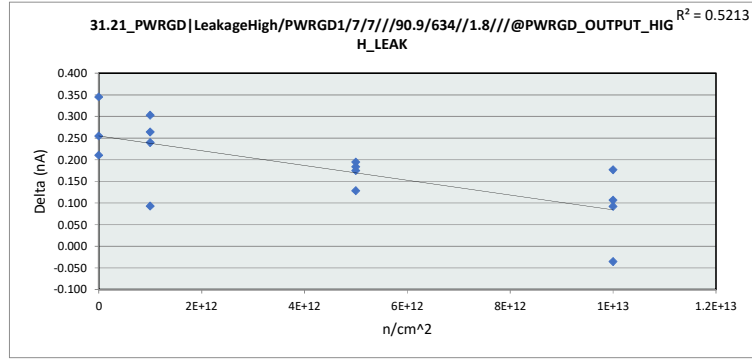
Test Site		
Tester		
Test Number		
Max Limit	1.088	Pct
Min Limit	1.032	Pct

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.032	1.032	1.032	1.032
Min	1.061	1.060	1.059	1.057
Average	1.062	1.061	1.061	1.061
Max	1.064	1.063	1.063	1.063
UL	1.088	1.088	1.088	1.088

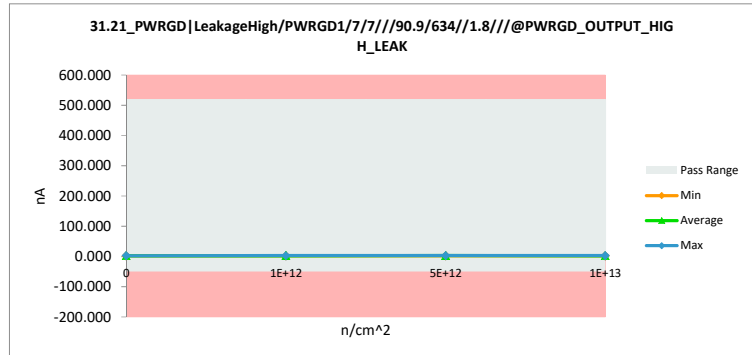


NDD Report
TPS7H4104-SP

31.21_PWRGD LeakageHigh/PWRGD1/7/7//90				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	518		
Min Limit	-163.6	-50		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.241	2.451	0.211
0	2	2.257	2.513	0.255
0	3	2.217	2.562	0.345
1E+12	10	2.260	2.500	0.240
1E+12	11	2.255	2.519	0.264
1E+12	12	2.268	2.571	0.303
1E+12	13	3.008	3.101	0.093
5E+12	14	2.343	2.537	0.194
5E+12	15	2.439	2.622	0.184
5E+12	16	2.385	2.561	0.175
5E+12	17	2.740	2.869	0.129
1E+13	18	2.558	2.523	-0.035
1E+13	19	2.395	2.502	0.107
1E+13	20	2.401	2.577	0.177
1E+13	21	2.413	2.505	0.092
Max		3.008	3.101	0.345
Average		2.412	2.594	0.182
Min		2.217	2.451	-0.035
Std Dev		0.215	0.169	0.096

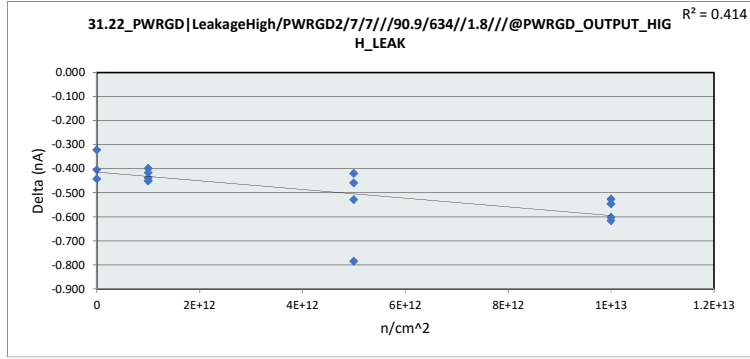


31.21_PWRGD LeakageHigh/PWRGD1/7/7//90.9/634//1.8///@PWRGD_OUTPUT_HIG				
Test Site				
Tester				
Test Number				
Max Limit	518	nA		
Min Limit	-50	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-50.000	-50.000	-50.000	-50.000
Min	2.451	2.500	2.538	2.502
Average	2.509	2.673	2.647	2.527
Max	2.562	3.101	2.869	2.577
UL	518.000	518.000	518.000	518.000

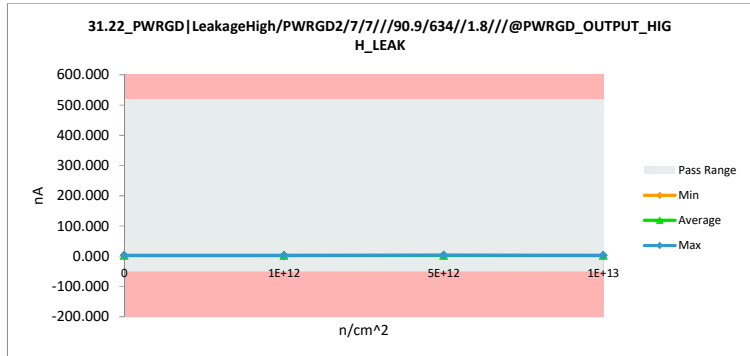


NDD Report
TPS7H4104-SP

31.22_PWRGD LeakageHigh/PWRGD2/7/7//90.9/634//1.8///@PWRGD_OUTPUT_HIG				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	518		
Min Limit	-163.6	-50		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	3.368	2.925	-0.443
0	2	3.282	2.960	-0.322
0	3	3.322	2.917	-0.405
1E+12	10	3.352	2.900	-0.452
1E+12	11	3.427	3.010	-0.418
1E+12	12	3.546	3.147	-0.399
1E+12	13	3.384	2.945	-0.439
5E+12	14	3.416	2.995	-0.421
5E+12	15	3.432	2.972	-0.460
5E+12	16	3.450	2.920	-0.529
5E+12	17	4.067	3.281	-0.786
1E+13	18	3.438	2.892	-0.547
1E+13	19	3.440	2.914	-0.527
1E+13	20	3.553	2.950	-0.602
1E+13	21	3.573	2.955	-0.617
Max		4.067	3.281	-0.322
Average		3.470	2.979	-0.491
Min		3.282	2.892	-0.786
Std Dev		0.185	0.104	0.114

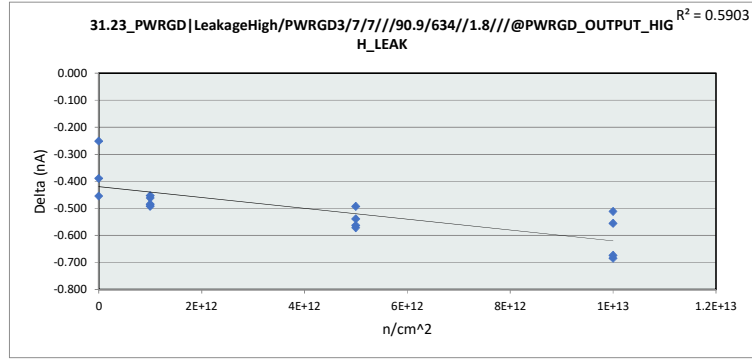


31.22_PWRGD LeakageHigh/PWRGD2/7/7//90.9/634//1.8///@PWRGD_OUTPUT_HIG				
Test Site				
Tester				
Test Number				
Max Limit	518	nA		
Min Limit	-50	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-50.000	-50.000	-50.000	-50.000
Min	2.917	2.900	2.920	2.892
Average	2.934	3.000	3.042	2.928
Max	2.960	3.147	3.281	2.955
UL	518.000	518.000	518.000	518.000

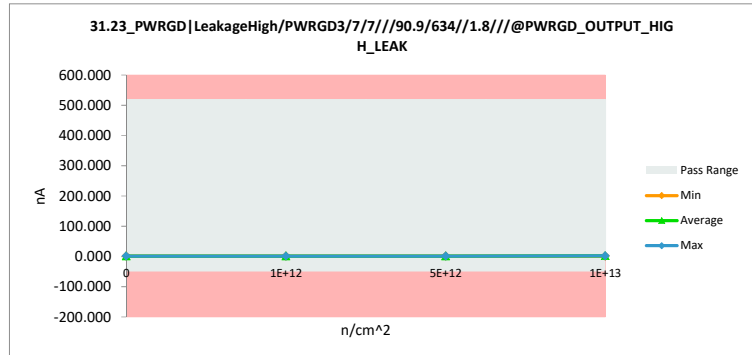


NDD Report
TPS7H4104-SP

31.23_PWRGD LeakageHigh/PWRGD3/7/7//90				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	518		
Min Limit	-163.6	-50		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.139	1.685	-0.454
0	2	2.075	1.686	-0.389
0	3	2.035	1.784	-0.251
1E+12	10	2.274	1.813	-0.462
1E+12	11	2.254	1.770	-0.484
1E+12	12	2.229	1.777	-0.453
1E+12	13	2.256	1.763	-0.492
5E+12	14	2.257	1.719	-0.539
5E+12	15	2.262	1.769	-0.493
5E+12	16	2.371	1.808	-0.563
5E+12	17	2.430	1.858	-0.572
1E+13	18	2.914	2.359	-0.555
1E+13	19	2.304	1.793	-0.511
1E+13	20	2.429	1.755	-0.674
1E+13	21	2.503	1.819	-0.684
Max		2.914	2.359	-0.251
Average		2.315	1.811	-0.505
Min		2.035	1.685	-0.684
Std Dev		0.209	0.159	0.106

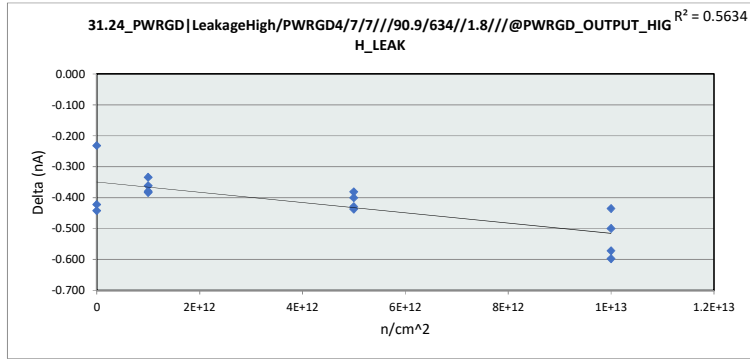


31.23_PWRGD LeakageHigh/PWRGD3/7/7//90.9/634//1.8///@PWRGD_OUTPUT_HIG				
Test Site				
Tester				
Test Number				
Max Limit	518	nA		
Min Limit	-50	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-50.000	-50.000	-50.000	-50.000
Min	1.685	1.763	1.719	1.755
Average	1.718	1.781	1.788	1.932
Max	1.784	1.813	1.858	2.359
UL	518.000	518.000	518.000	518.000

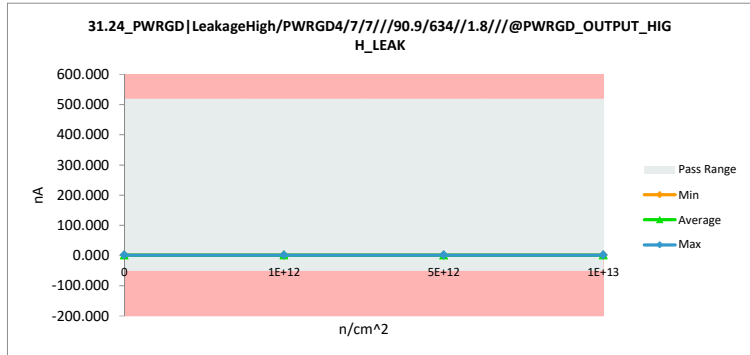


NDD Report
TPS7H4104-SP

31.24_PWRGD LeakageHigh/PWRGD4/7/7//90				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	520	518		
Min Limit	-163.6	-50		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.852	1.410	-0.442
0	2	1.846	1.424	-0.422
0	3	1.807	1.576	-0.231
1E+12	10	1.873	1.490	-0.383
1E+12	11	2.043	1.664	-0.380
1E+12	12	1.842	1.507	-0.334
1E+12	13	1.830	1.468	-0.362
5E+12	14	1.944	1.563	-0.381
5E+12	15	1.875	1.474	-0.400
5E+12	16	1.888	1.459	-0.429
5E+12	17	1.917	1.480	-0.437
1E+13	18	1.975	1.474	-0.500
1E+13	19	1.958	1.522	-0.435
1E+13	20	2.170	1.598	-0.572
1E+13	21	2.148	1.551	-0.597
Max		2.170	1.664	-0.231
Average		1.931	1.511	-0.420
Min		1.807	1.410	-0.597
Std Dev		0.112	0.069	0.090

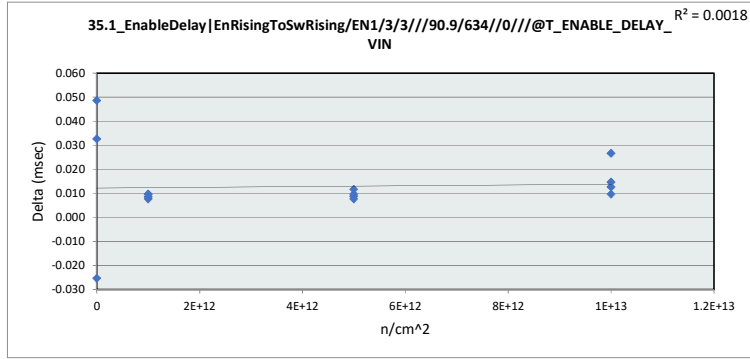


31.24_PWRGD LeakageHigh/PWRGD4/7/7//90.9/634//1.8///@PWRGD_OUTPUT_HIG				
Test Site				
Tester				
Test Number				
Max Limit	518	nA		
Min Limit	-50	nA		
n/cm^2	0	1E+12	5E+12	1E+13
LL	-50.000	-50.000	-50.000	-50.000
Min	1.410	1.468	1.460	1.474
Average	1.470	1.532	1.494	1.536
Max	1.576	1.664	1.563	1.598
UL	518.000	518.000	518.000	518.000

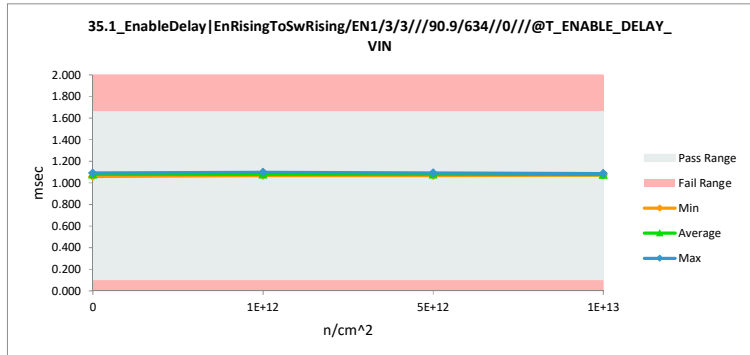


NDD Report
TPS7H4104-SP

35.1_EnableDelay EnRisingToSwRising/EN1/3/3				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.042	1.091	0.049
0	2	1.084	1.059	-0.025
0	3	1.056	1.089	0.033
1E+12	10	1.059	1.069	0.010
1E+12	11	1.089	1.098	0.009
1E+12	12	1.069	1.077	0.008
1E+12	13	1.066	1.076	0.010
5E+12	14	1.058	1.068	0.010
5E+12	15	1.065	1.074	0.009
5E+12	16	1.078	1.086	0.008
5E+12	17	1.081	1.093	0.012
1E+13	18	1.063	1.078	0.015
1E+13	19	1.060	1.073	0.013
1E+13	20	1.060	1.087	0.027
1E+13	21	1.063	1.073	0.010
Max		1.089	1.098	0.049
Average		1.066	1.079	0.013
Min		1.042	1.059	-0.025
Std Dev		0.012	0.011	0.016

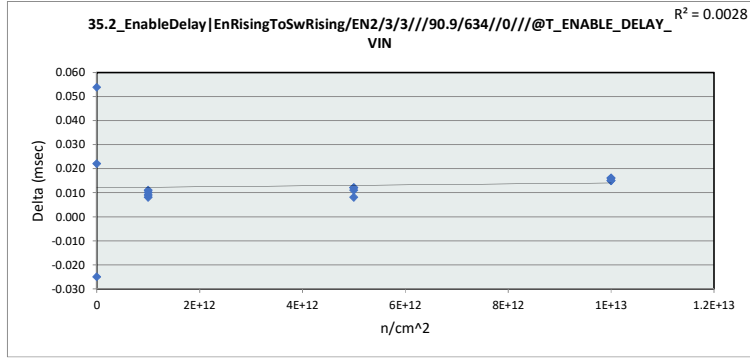


35.1_EnableDelay EnRisingToSwRising/EN1/3/3///90.9/634//0///@T_ENABLE_DELAY_VIN				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	1.059	1.069	1.068	1.073
Average	1.079	1.080	1.080	1.077
Max	1.091	1.098	1.093	1.087
UL	1.660	1.660	1.660	1.660

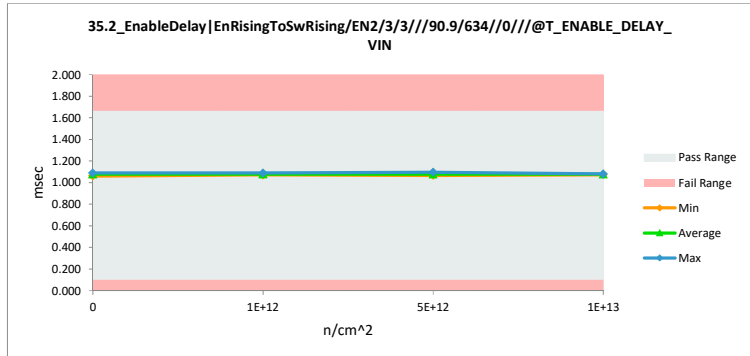


NDD Report
TPS7H4104-SP

35.2_EnableDelay EnRisingToSwRising/EN2/3/3				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.035	1.089	0.054
0	2	1.087	1.062	-0.025
0	3	1.063	1.085	0.022
1E+12	10	1.060	1.071	0.011
1E+12	11	1.080	1.089	0.009
1E+12	12	1.074	1.082	0.008
1E+12	13	1.067	1.077	0.010
5E+12	14	1.059	1.071	0.012
5E+12	15	1.057	1.068	0.011
5E+12	16	1.071	1.079	0.008
5E+12	17	1.084	1.096	0.012
1E+13	18	1.061	1.077	0.016
1E+13	19	1.058	1.074	0.016
1E+13	20	1.066	1.081	0.015
1E+13	21	1.066	1.081	0.015
Max		1.087	1.096	0.054
Average		1.066	1.079	0.013
Min		1.035	1.062	-0.025
Std Dev		0.013	0.009	0.015

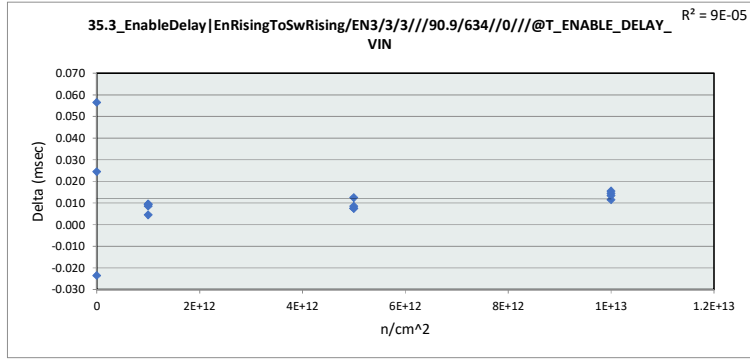


35.2_EnableDelay EnRisingToSwRising/EN2/3/3				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	1.062	1.071	1.068	1.074
Average	1.078	1.079	1.078	1.078
Max	1.089	1.089	1.096	1.081
UL	1.660	1.660	1.660	1.660

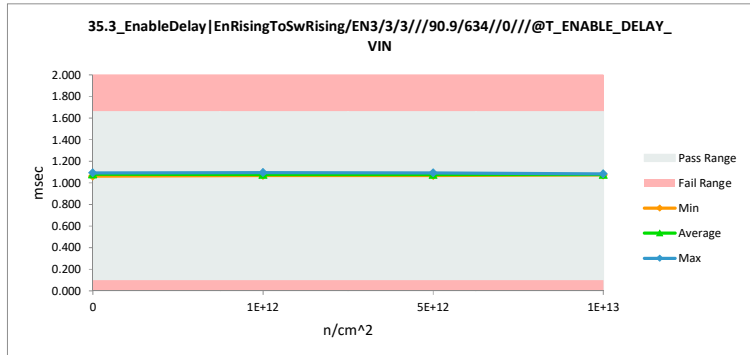


NDD Report
TPS7H4104-SP

35.3_EnableDelay EnRisingToSwRising/EN3/3/3				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.036	1.093	0.057
0	2	1.086	1.063	-0.023
0	3	1.064	1.089	0.025
1E+12	10	1.061	1.070	0.009
1E+12	11	1.085	1.095	0.010
1E+12	12	1.071	1.076	0.004
1E+12	13	1.062	1.072	0.010
5E+12	14	1.058	1.067	0.008
5E+12	15	1.065	1.073	0.008
5E+12	16	1.070	1.078	0.008
5E+12	17	1.079	1.092	0.012
1E+13	18	1.068	1.084	0.015
1E+13	19	1.059	1.073	0.014
1E+13	20	1.065	1.080	0.015
1E+13	21	1.065	1.077	0.012
Max		1.086	1.095	0.057
Average		1.067	1.079	0.012
Min		1.036	1.063	-0.023
Std Dev		0.012	0.010	0.016

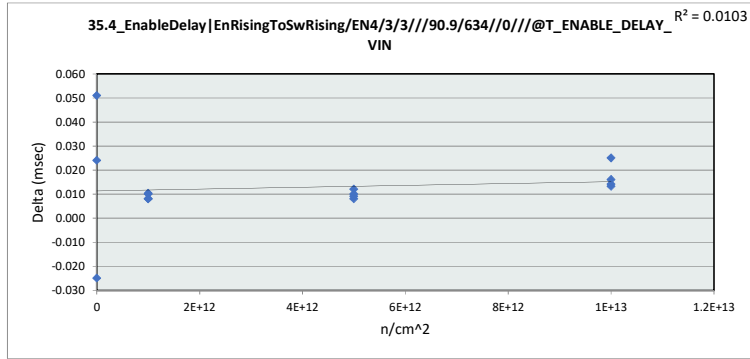


35.3_EnableDelay EnRisingToSwRising/EN3/3/3				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	1.063	1.070	1.067	1.073
Average	1.081	1.078	1.077	1.078
Max	1.093	1.095	1.092	1.084
UL	1.660	1.660	1.660	1.660

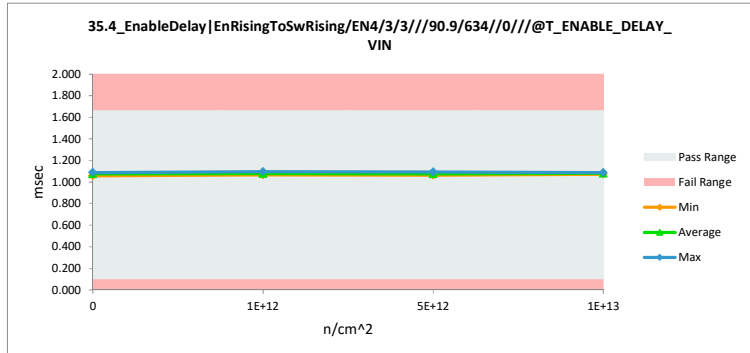


NDD Report
TPS7H4104-SP

35.4_EnableDelay EnRisingToSwRising/EN4/3/3				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.038	1.089	0.051
0	2	1.083	1.058	-0.025
0	3	1.059	1.083	0.024
1E+12	10	1.055	1.065	0.010
1E+12	11	1.084	1.095	0.010
1E+12	12	1.072	1.080	0.008
1E+12	13	1.067	1.075	0.008
5E+12	14	1.057	1.067	0.010
5E+12	15	1.055	1.064	0.009
5E+12	16	1.074	1.082	0.008
5E+12	17	1.082	1.094	0.012
1E+13	18	1.074	1.087	0.013
1E+13	19	1.058	1.074	0.016
1E+13	20	1.061	1.086	0.025
1E+13	21	1.062	1.076	0.014
Max		1.084	1.095	0.051
Average		1.065	1.078	0.013
Min		1.038	1.058	-0.025
Std Dev		0.013	0.011	0.015

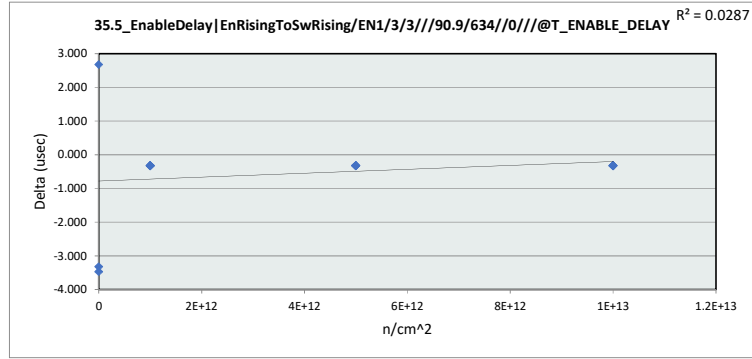


35.4_EnableDelay EnRisingToSwRising/EN4/3/3///90.9/634//0///@T_ENABLE_DELAY_VIN				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	1.058	1.065	1.064	1.074
Average	1.077	1.079	1.077	1.081
Max	1.089	1.095	1.094	1.087
UL	1.660	1.660	1.660	1.660

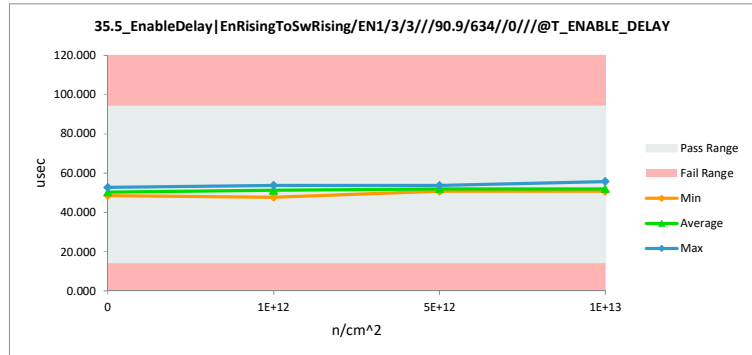


NDD Report
TPS7H4104-SP

35.5_EnableDelay EnRisingToSwRising/EN1/3/3				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	94	
Min Limit		-2	14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	50.042	52.719	2.677
0	2	52.042	48.570	-3.471
0	3	53.040	49.719	-3.321
1E+12	10	53.035	52.716	-0.320
1E+12	11	48.042	47.719	-0.323
1E+12	12	54.043	53.720	-0.324
1E+12	13	51.039	50.718	-0.320
5E+12	14	53.043	52.719	-0.324
5E+12	15	51.042	50.722	-0.321
5E+12	16	51.043	50.721	-0.322
5E+12	17	54.044	53.722	-0.322
1E+13	18	56.041	55.720	-0.320
1E+13	19	51.043	50.718	-0.324
1E+13	20	51.043	50.724	-0.319
1E+13	21	51.045	50.721	-0.324
Max		56.041	55.720	2.677
Average		51.975	51.443	-0.532
Min		48.042	47.719	-3.471
Std Dev		1.944	2.101	1.395

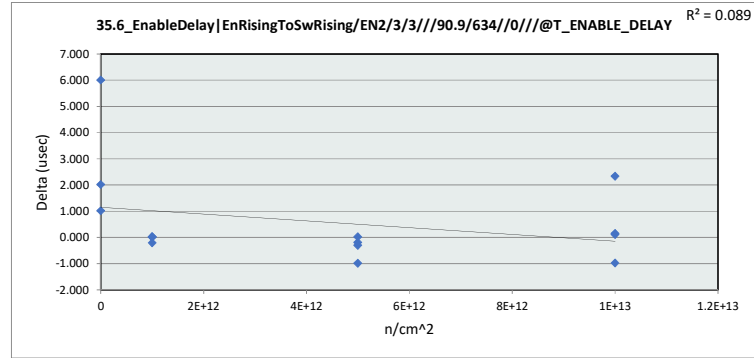


35.5_EnableDelay EnRisingToSwRising/EN1/3/3				
Test Site				
Tester				
Test Number				
Max Limit	94	usec		
Min Limit	14	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	48.571	47.719	50.721	50.718
Average	50.336	51.218	51.971	51.971
Max	52.719	53.720	53.722	55.720
UL	94.000	94.000	94.000	94.000

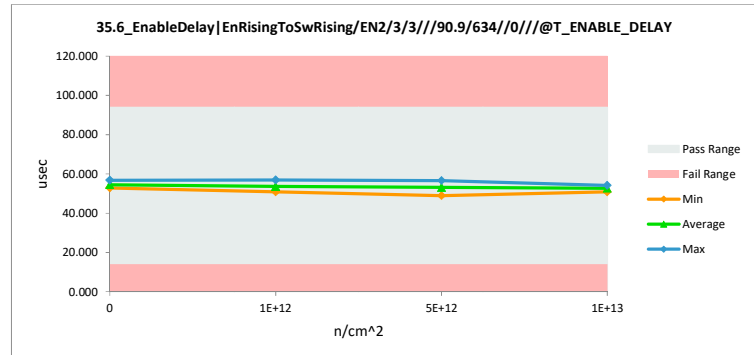


NDD Report TPS7H4104-SP

35.6_EnableDelay EnRisingToSwRising/EN2/3/3				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	50.814	56.819	6.005
0	2	52.817	53.826	1.010
0	3	50.814	52.827	2.013
1E+12	10	52.815	52.826	0.011
1E+12	11	50.817	50.831	0.013
1E+12	12	56.818	56.830	0.012
1E+12	13	54.043	53.830	-0.214
5E+12	14	53.142	52.831	-0.310
5E+12	15	48.819	48.832	0.014
5E+12	16	54.819	53.834	-0.985
5E+12	17	56.820	56.626	-0.194
1E+13	18	53.724	53.832	0.108
1E+13	19	51.683	51.829	0.146
1E+13	20	51.814	50.830	-0.984
1E+13	21	51.817	54.146	2.329
Max		56.820	56.830	6.005
Average		52.772	53.370	0.598
Min		48.819	48.832	-0.985
Std Dev		2.232	2.278	1.759

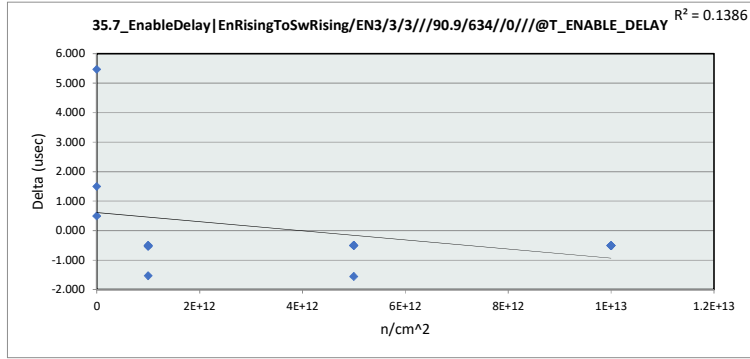


35.6_EnableDelay EnRisingToSwRising/EN2/3/3//90.9/634//0///@T_ENABLE_DELAY				
Test Site				
Tester				
Test Number				
Max Limit	94		usec	
Min Limit	14		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	52.827	50.831	48.832	50.830
Average	54.491	53.579	53.031	52.659
Max	56.819	56.830	56.626	54.146
UL	94.000	94.000	94.000	94.000

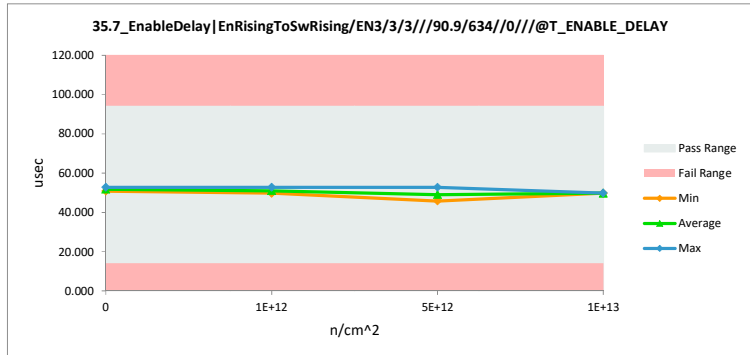


NDD Report
TPS7H4104-SP

35.7_EnableDelay EnRisingToSwRising/EN3/3/3				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	94	
Min Limit		-2	14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	47.310	52.778	5.468
0	2	50.289	50.782	0.493
0	3	50.288	51.785	1.497
1E+12	10	52.287	51.782	-0.505
1E+12	11	50.318	49.784	-0.534
1E+12	12	54.342	52.810	-1.532
1E+12	13	50.290	49.786	-0.504
5E+12	14	50.288	49.785	-0.503
5E+12	15	46.290	45.786	-0.504
5E+12	16	48.288	47.786	-0.502
5E+12	17	54.343	52.786	-1.556
1E+13	18	50.291	49.784	-0.508
1E+13	19	50.291	49.784	-0.507
1E+13	20	50.291	49.786	-0.505
1E+13	21	50.292	49.784	-0.507
	Max	54.343	52.810	5.468
	Average	50.366	50.319	-0.047
	Min	46.290	45.786	-1.556
	Std Dev	2.165	1.924	1.684

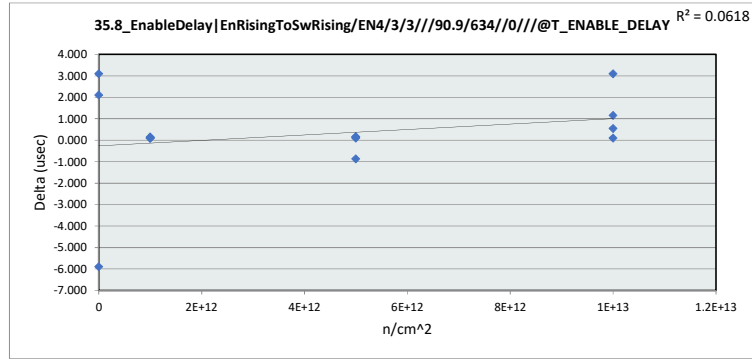


35.7_EnableDelay EnRisingToSwRi				
Test Site				
Tester				
Test Number				
Max Limit	94	usec		
Min Limit	14	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	50.782	49.784	45.786	49.784
Average	51.782	51.040	49.036	49.784
Max	52.778	52.810	52.786	49.786
UL	94.000	94.000	94.000	94.000

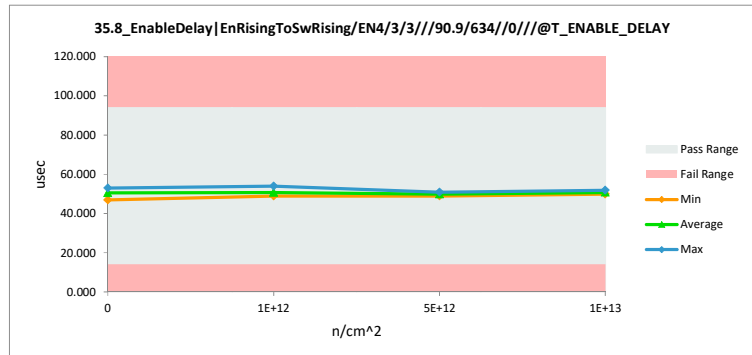


NDD Report
TPS7H4104-SP

35.8_EnableDelay EnRisingToSwRising/EN4/3/3				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	48.780	51.881	3.101
0	2	52.782	46.884	-5.897
0	3	50.778	52.884	2.106
1E+12	10	53.778	53.880	0.102
1E+12	11	48.783	48.881	0.099
1E+12	12	49.780	49.882	0.102
1E+12	13	49.785	49.940	0.155
5E+12	14	50.783	50.883	0.100
5E+12	15	49.784	49.939	0.155
5E+12	16	49.780	48.915	-0.865
5E+12	17	49.781	49.943	0.163
1E+13	18	50.783	51.331	0.548
1E+13	19	48.784	49.937	1.152
1E+13	20	48.784	51.883	3.098
1E+13	21	49.784	49.882	0.099
Max		53.778	53.880	3.101
Average		50.182	50.463	0.281
Min		48.780	46.884	-5.897
Std Dev		1.453	1.731	2.066

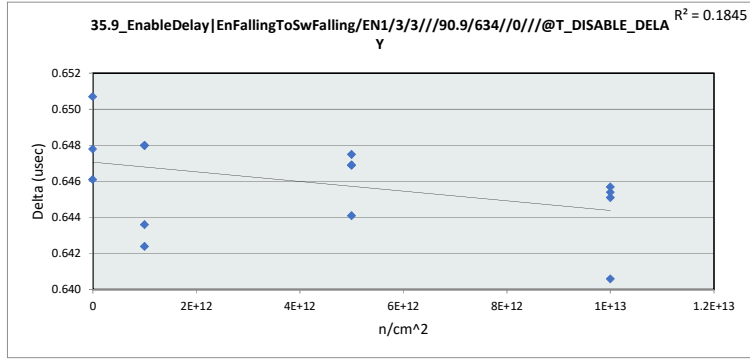


35.8_EnableDelay EnRisingToSwRising/EN4/3/3				
Test Site				
Tester				
Test Number				
Max Limit	94		usec	
Min Limit	14		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	46.885	48.881	48.915	49.882
Average	50.550	50.646	49.920	50.758
Max	52.884	53.880	50.883	51.883
UL	94.000	94.000	94.000	94.000

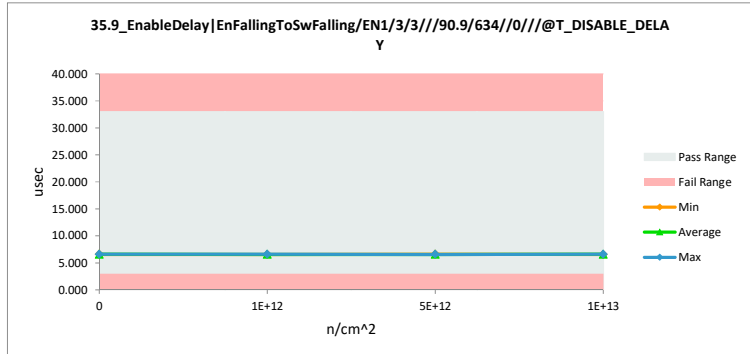


NDD Report
TPS7H4104-SP

35.9_EnableDelay EnFallingToSwFalling/EN1/3/				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33	
Min Limit		-3	3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.931	6.579	0.648
0	2	5.932	6.578	0.646
0	3	5.930	6.581	0.651
1E+12	10	5.939	6.582	0.642
1E+12	11	5.932	6.580	0.648
1E+12	12	5.931	6.575	0.644
1E+12	13	5.934	6.582	0.648
5E+12	14	5.932	6.579	0.647
5E+12	15	5.931	6.578	0.647
5E+12	16	5.932	6.579	0.647
5E+12	17	5.932	6.576	0.644
1E+13	18	5.933	6.578	0.645
1E+13	19	5.935	6.581	0.646
1E+13	20	5.934	6.580	0.645
1E+13	21	5.934	6.575	0.641
Max		5.939	6.582	0.651
Average		5.933	6.579	0.646
Min		5.930	6.575	0.641
Std Dev		0.002	0.002	0.003

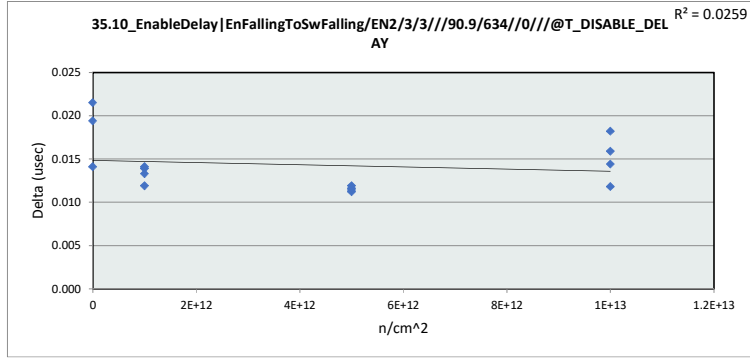


35.9_EnableDelay EnFallingToSwFalling/EN1/3/3//90.9/634/0///@T_DISABLE_DELA				
Test Site				
Tester				
Test Number				
Max Limit		33	usec	
Min Limit		3	usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	6.578	6.575	6.577	6.575
Average	6.579	6.580	6.578	6.578
Max	6.581	6.582	6.579	6.581
UL	33.000	33.000	33.000	33.000

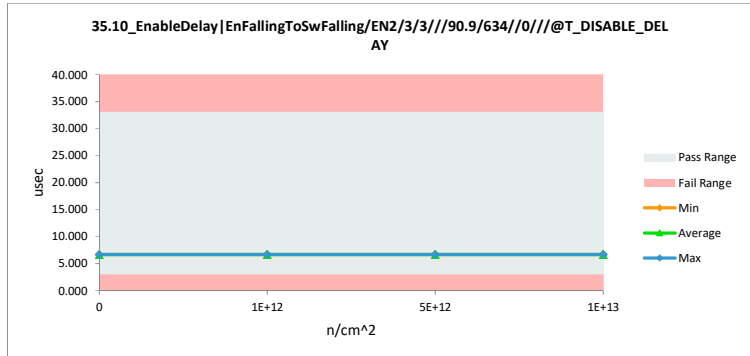


NDD Report
TPS7H4104-SP

35.10_EnableDelay EnFallingToSwFalling/EN2/3/3				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33	
Min Limit		-3	3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.657	6.679	0.021
0	2	6.663	6.682	0.019
0	3	6.668	6.682	0.014
1E+12	10	6.663	6.677	0.014
1E+12	11	6.668	6.681	0.013
1E+12	12	6.667	6.681	0.014
1E+12	13	6.665	6.677	0.012
5E+12	14	6.668	6.680	0.011
5E+12	15	6.664	6.676	0.012
5E+12	16	6.664	6.676	0.011
5E+12	17	6.667	6.679	0.012
1E+13	18	6.659	6.677	0.018
1E+13	19	6.667	6.679	0.012
1E+13	20	6.661	6.677	0.016
1E+13	21	6.666	6.681	0.014
Max		6.668	6.682	0.021
Average		6.664	6.679	0.014
Min		6.657	6.676	0.011
Std Dev		0.003	0.002	0.003

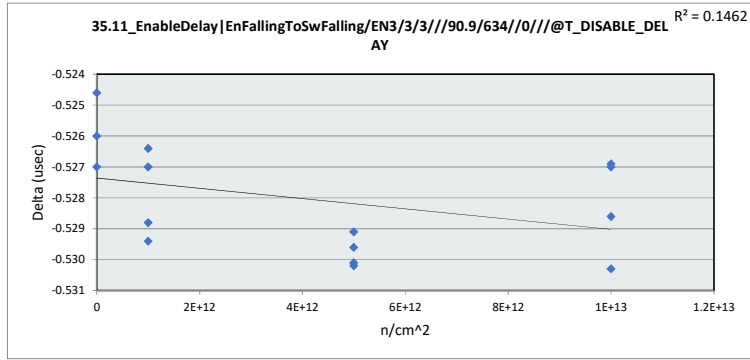


35.10_EnableDelay EnFallingToSwFalling/EN2/3/3//90.9/634//0///@T_DISABLE_DEL AY				
Test Site				
Tester				
Test Number				
Max Limit	33	usec		
Min Limit	3	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	6.679	6.677	6.676	6.677
Average	6.681	6.679	6.677	6.678
Max	6.682	6.681	6.680	6.681
UL	33.000	33.000	33.000	33.000

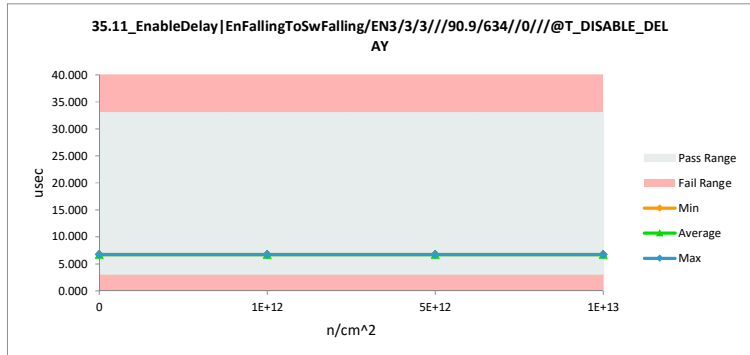


NDD Report
TPS7H4104-SP

35.11_EnableDelay EnFallingToSwFalling/EN3/3				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33	
Min Limit		-3	3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	7.251	6.724	-0.527
0	2	7.253	6.727	-0.526
0	3	7.249	6.725	-0.525
1E+12	10	7.256	6.727	-0.529
1E+12	11	7.250	6.724	-0.526
1E+12	12	7.252	6.725	-0.527
1E+12	13	7.254	6.725	-0.529
5E+12	14	7.254	6.725	-0.529
5E+12	15	7.254	6.724	-0.530
5E+12	16	7.254	6.724	-0.530
5E+12	17	7.254	6.723	-0.530
1E+13	18	7.255	6.725	-0.530
1E+13	19	7.255	6.726	-0.529
1E+13	20	7.253	6.726	-0.527
1E+13	21	7.252	6.725	-0.527
Max		7.256	6.727	-0.525
Average		7.253	6.725	-0.528
Min		7.249	6.723	-0.530
Std Dev		0.002	0.001	0.002



35.11_EnableDelay EnFallingToSwFalling/EN3/3				
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	6.724	6.724	6.724	6.725
Average	6.725	6.725	6.724	6.726
Max	6.727	6.727	6.725	6.726
UL	33.000	33.000	33.000	33.000

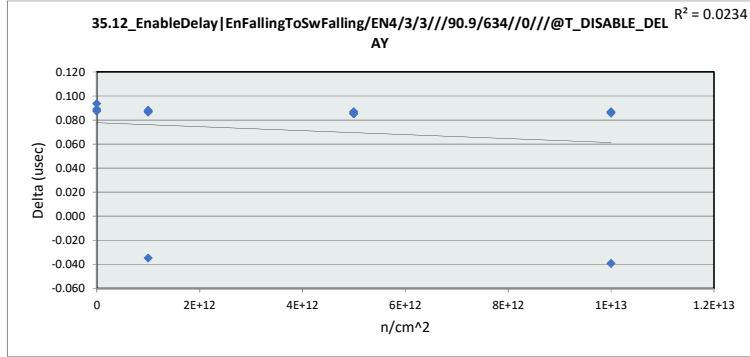


NDD Report
TPS7H4104-SP

35.12_EnableDelay|EnFallingToSwFalling/EN4/3

Test Site		
Tester		
Test Number		
Unit	usec	usec
Max Limit	35	33
Min Limit	-3	3

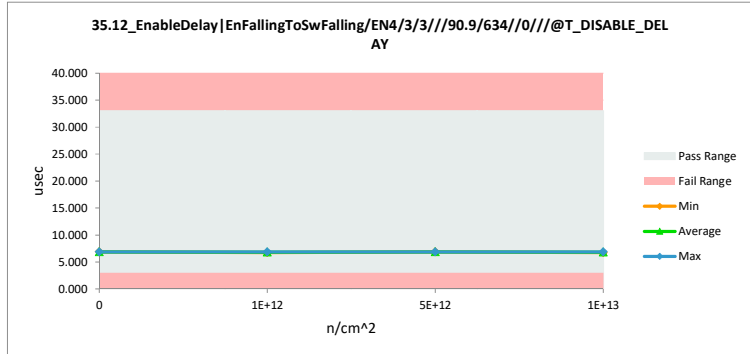
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.759	6.848	0.089
0	2	6.758	6.852	0.094
0	3	6.762	6.850	0.088
1E+12	10	6.766	6.853	0.087
1E+12	11	6.760	6.848	0.088
1E+12	12	6.760	6.847	0.087
1E+12	13	6.759	6.724	-0.035
5E+12	14	6.760	6.847	0.086
5E+12	15	6.759	6.846	0.087
5E+12	16	6.762	6.847	0.085
5E+12	17	6.761	6.846	0.085
1E+13	18	6.763	6.849	0.086
1E+13	19	6.764	6.851	0.087
1E+13	20	6.760	6.847	0.087
1E+13	21	6.760	6.721	-0.039
Max		6.766	6.853	0.094
Average		6.761	6.832	0.071
Min		6.758	6.721	-0.039
Std Dev		0.002	0.044	0.044



35.12_EnableDelay|EnFallingToSwFalling/EN4/3

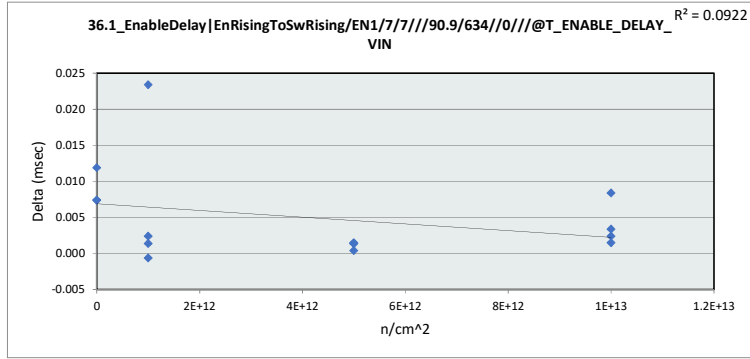
Test Site		
Tester		
Test Number		
Max Limit	33	usec
Min Limit	3	usec

n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	6.848	6.724	6.846	6.721
Average	6.850	6.818	6.847	6.817
Max	6.852	6.853	6.848	6.851
UL	33.000	33.000	33.000	33.000

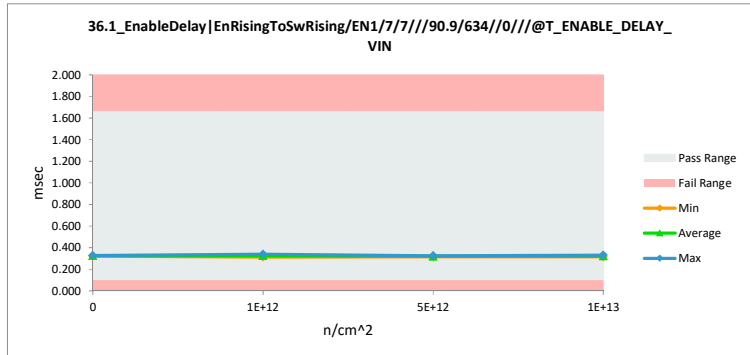


NDD Report
TPS7H4104-SP

36.1_EnableDelay EnRisingToSwRising/EN1/7/7				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.313	0.325	0.012
0	2	0.321	0.328	0.007
0	3	0.315	0.322	0.007
1E+12	10	0.322	0.324	0.002
1E+12	11	0.311	0.312	0.001
1E+12	12	0.321	0.320	-0.001
1E+12	13	0.315	0.338	0.023
5E+12	14	0.320	0.321	0.001
5E+12	15	0.314	0.315	0.001
5E+12	16	0.323	0.323	0.000
5E+12	17	0.324	0.325	0.001
1E+13	18	0.328	0.331	0.003
1E+13	19	0.320	0.322	0.002
1E+13	20	0.314	0.322	0.008
1E+13	21	0.314	0.315	0.002
Max		0.328	0.338	0.023
Average		0.318	0.323	0.005
Min		0.311	0.312	-0.001
Std Dev		0.005	0.006	0.006

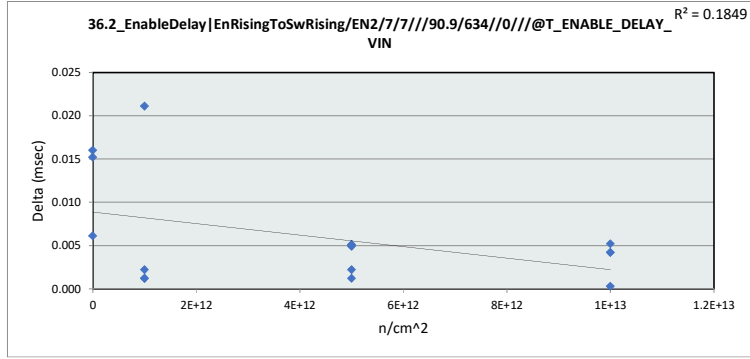


36.1_EnableDelay EnRisingToSwRising				
Test Site				
Tester				
Test Number				
Max Limit	1.66	msec		
Min Limit	0.1	msec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	0.322	0.312	0.315	0.315
Average	0.325	0.324	0.321	0.323
Max	0.328	0.338	0.325	0.331
UL	1.660	1.660	1.660	1.660

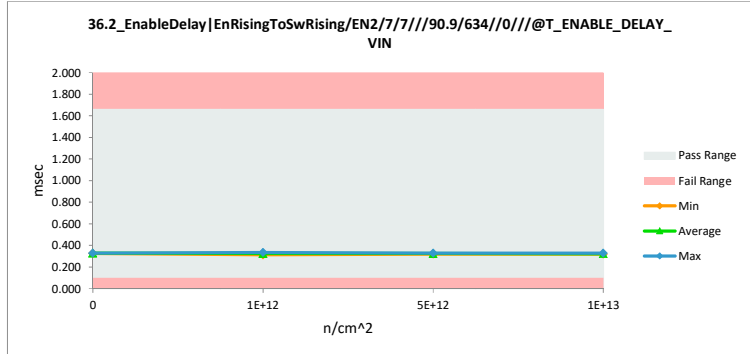


NDD Report
TPS7H4104-SP

36.2_EnableDelay EnRisingToSwRising/EN2/7/7				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.310	0.326	0.015
0	2	0.322	0.328	0.006
0	3	0.313	0.329	0.016
1E+12	10	0.322	0.325	0.002
1E+12	11	0.312	0.313	0.001
1E+12	12	0.320	0.322	0.001
1E+12	13	0.315	0.336	0.021
5E+12	14	0.317	0.323	0.005
5E+12	15	0.315	0.319	0.005
5E+12	16	0.324	0.325	0.001
5E+12	17	0.326	0.329	0.002
1E+13	18	0.324	0.328	0.004
1E+13	19	0.320	0.321	0.000
1E+13	20	0.315	0.320	0.005
1E+13	21	0.315	0.319	0.004
Max		0.326	0.336	0.021
Average		0.318	0.324	0.006
Min		0.310	0.313	0.000
Std Dev		0.005	0.005	0.006

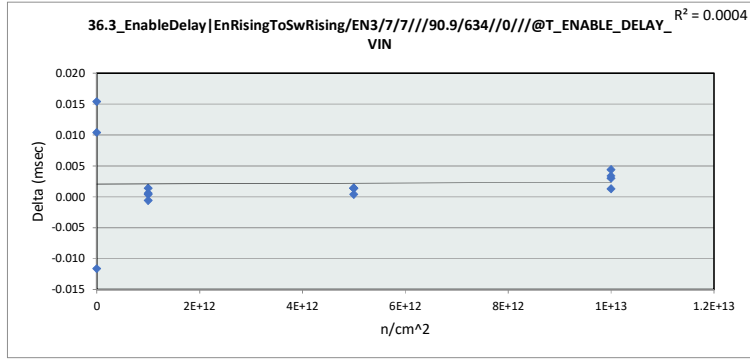


36.2_EnableDelay EnRisingToSwRi				
Test Site				
Tester				
Test Number				
Max Limit	1.66	msec		
Min Limit	0.1	msec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	0.326	0.313	0.319	0.319
Average	0.327	0.324	0.324	0.322
Max	0.329	0.336	0.329	0.328
UL	1.660	1.660	1.660	1.660

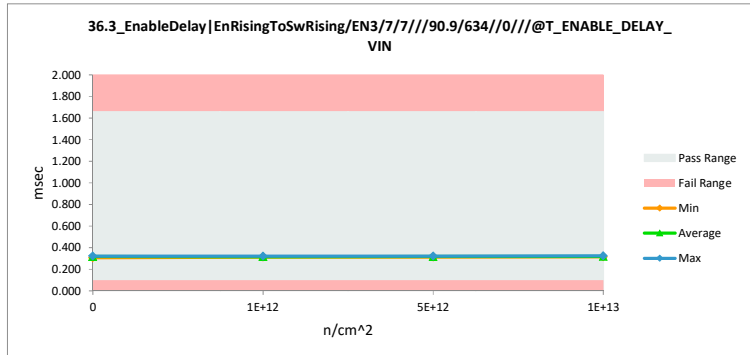


NDD Report
TPS7H4104-SP

36.3_EnableDelay EnRisingToSwRising/EN3/7/7				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.306	0.322	0.015
0	2	0.317	0.306	-0.012
0	3	0.312	0.323	0.010
1E+12	10	0.320	0.321	0.001
1E+12	11	0.311	0.312	0.000
1E+12	12	0.318	0.318	-0.001
1E+12	13	0.314	0.316	0.001
5E+12	14	0.315	0.317	0.001
5E+12	15	0.310	0.312	0.001
5E+12	16	0.318	0.319	0.000
5E+12	17	0.321	0.323	0.001
1E+13	18	0.320	0.324	0.003
1E+13	19	0.317	0.320	0.003
1E+13	20	0.314	0.319	0.004
1E+13	21	0.314	0.316	0.001
Max		0.321	0.324	0.015
Average		0.315	0.318	0.002
Min		0.306	0.306	-0.012
Std Dev		0.004	0.005	0.006

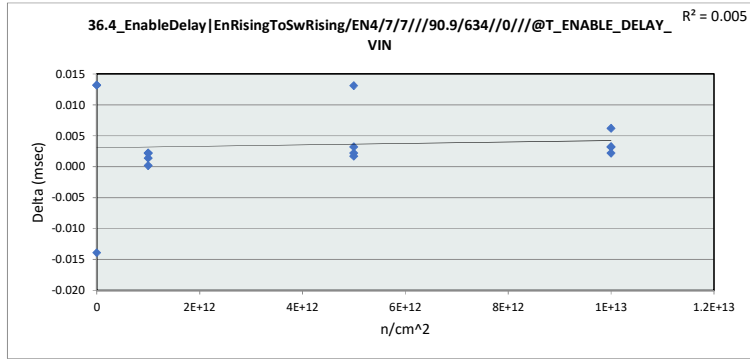


36.3_EnableDelay EnRisingToSwRising/EN3/7/7				
Test Site				
Tester				
Test Number				
Max Limit	1.66	msec		
Min Limit	0.1	msec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	0.306	0.312	0.312	0.316
Average	0.317	0.316	0.317	0.319
Max	0.323	0.321	0.323	0.324
UL	1.660	1.660	1.660	1.660

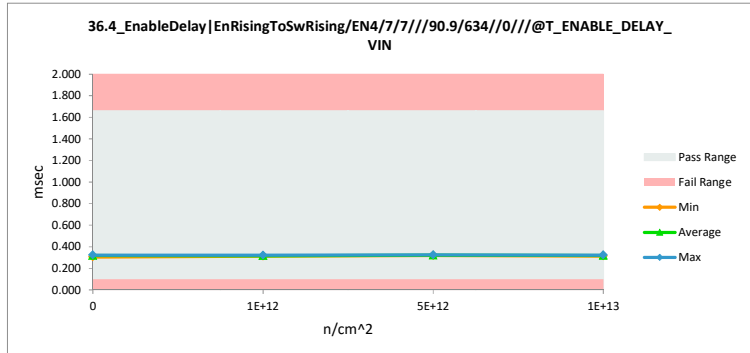


NDD Report
TPS7H4104-SP

36.4_EnableDelay EnRisingToSwRising/EN4/7/7				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	0.308	0.322	0.013
0	2	0.319	0.306	-0.014
0	3	0.310	0.324	0.013
1E+12	10	0.320	0.321	0.000
1E+12	11	0.310	0.312	0.002
1E+12	12	0.314	0.316	0.001
1E+12	13	0.310	0.313	0.002
5E+12	14	0.315	0.318	0.002
5E+12	15	0.313	0.326	0.013
5E+12	16	0.319	0.320	0.002
5E+12	17	0.319	0.323	0.003
1E+13	18	0.319	0.323	0.003
1E+13	19	0.315	0.319	0.003
1E+13	20	0.313	0.319	0.006
1E+13	21	0.313	0.315	0.002
Max		0.320	0.326	0.013
Average		0.315	0.318	0.004
Min		0.308	0.306	-0.014
Std Dev		0.004	0.005	0.007

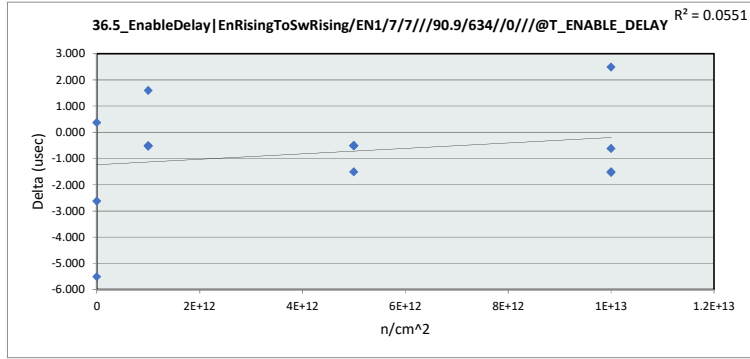


36.4_EnableDelay EnRisingToSwRising/EN4/7/7				
Test Site				
Tester				
Test Number				
Max Limit	1.66		msec	
Min Limit	0.1		msec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	0.100	0.100	0.100	0.100
Min	0.306	0.312	0.318	0.315
Average	0.317	0.315	0.322	0.319
Max	0.324	0.321	0.326	0.323
UL	1.660	1.660	1.660	1.660

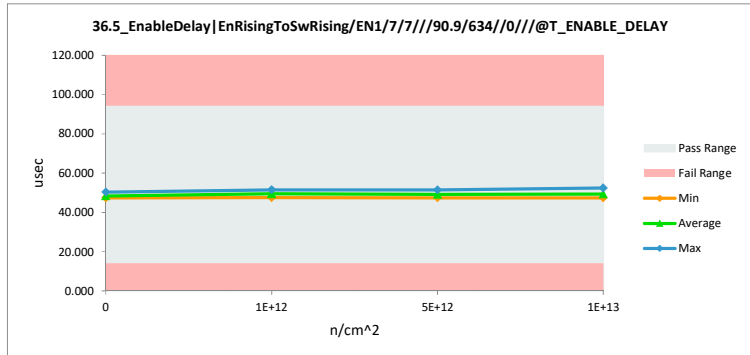


NDD Report
TPS7H4104-SP

36.5_EnableDelay EnRisingToSwRising/EN1/7/7				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	94	
Min Limit		-2	14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	49.987	50.361	0.375
0	2	49.988	47.368	-2.620
0	3	52.878	47.368	-5.510
1E+12	10	50.896	50.369	-0.527
1E+12	11	45.881	47.477	1.596
1E+12	12	51.990	51.479	-0.511
1E+12	13	48.989	48.479	-0.510
5E+12	14	51.881	51.373	-0.508
5E+12	15	47.883	47.373	-0.510
5E+12	16	48.881	48.375	-0.506
5E+12	17	50.881	49.374	-1.507
1E+13	18	53.883	52.375	-1.508
1E+13	19	48.899	47.374	-1.524
1E+13	20	47.885	50.374	2.489
1E+13	21	47.991	47.376	-0.615
	Max	53.883	52.375	2.489
	Average	49.920	49.126	-0.793
	Min	45.881	47.368	-5.510
	Std Dev	2.168	1.791	1.803

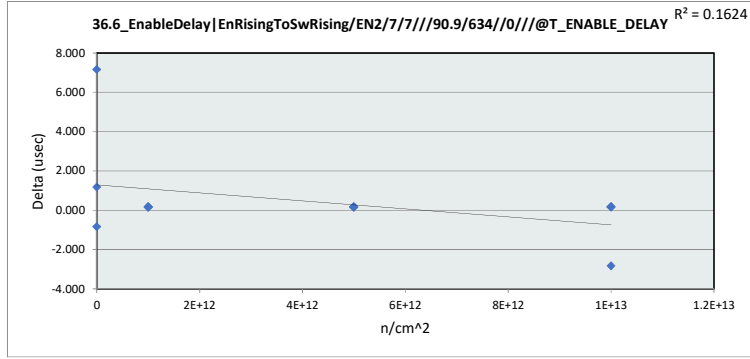


36.5_EnableDelay EnRisingToSwRising/EN1/7/7				
Test Site				
Tester				
Test Number				
Max Limit	94	usec		
Min Limit	14	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	47.368	47.477	47.373	47.374
Average	48.366	49.451	49.124	49.375
Max	50.361	51.480	51.373	52.375
UL	94.000	94.000	94.000	94.000

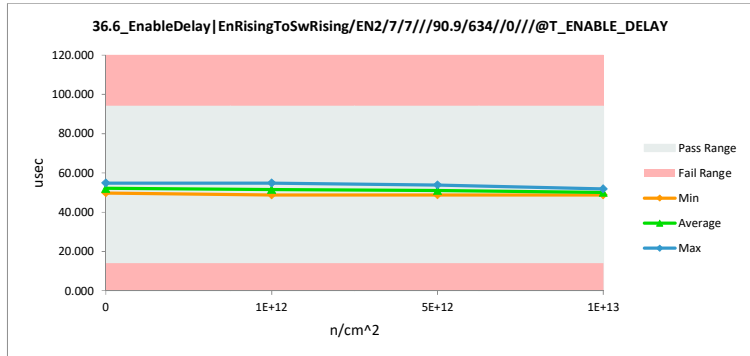


NDD Report
TPS7H4104-SP

36.6_EnableDelay EnRisingToSwRising/EN2/7/7				
Test Site				
Tester				
Test Number				
Unit	usec	usec		
Max Limit	100	94		
Min Limit	-2	14		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	47.627	54.786	7.159
0	2	50.626	51.791	1.165
0	3	50.634	49.794	-0.840
1E+12	10	50.636	50.792	0.156
1E+12	11	48.639	48.787	0.149
1E+12	12	54.630	54.788	0.158
1E+12	13	51.629	51.788	0.159
5E+12	14	49.645	49.799	0.155
5E+12	15	48.642	48.796	0.154
5E+12	16	51.641	51.800	0.159
5E+12	17	53.641	53.799	0.158
1E+13	18	50.638	50.798	0.160
1E+13	19	48.638	48.795	0.157
1E+13	20	51.639	48.798	-2.841
1E+13	21	51.629	51.796	0.167
Max		54.630	54.788	7.159
Average		50.702	51.127	0.425
Min		47.627	48.787	-2.841
Std Dev		1.907	2.091	2.052

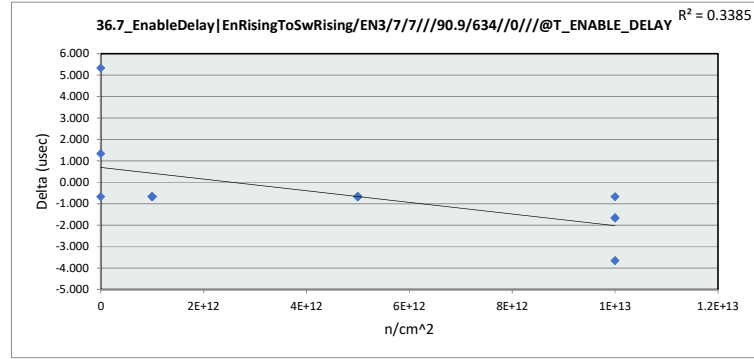


36.6_EnableDelay EnRisingToSwRising/EN2/7/7				
Test Site				
Tester				
Test Number				
Max Limit	94	usec		
Min Limit	14	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	49.795	48.787	48.796	48.795
Average	52.124	51.539	51.048	50.047
Max	54.786	54.788	53.799	51.796
UL	94.000	94.000	94.000	94.000

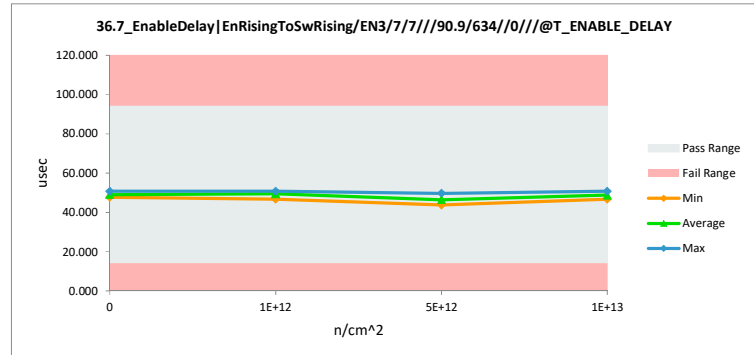


NDD Report
TPS7H4104-SP

36.7_EnableDelay EnRisingToSwRising/EN3/7/7				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	100		94	
Min Limit	-2		14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	45.374	50.704	5.331
0	2	48.374	47.708	-0.666
0	3	47.374	48.709	1.335
1E+12	10	50.375	49.711	-0.665
1E+12	11	47.375	46.712	-0.663
1E+12	12	51.376	50.712	-0.664
1E+12	13	51.375	50.713	-0.662
5E+12	14	47.360	46.694	-0.665
5E+12	15	44.375	43.713	-0.663
5E+12	16	46.376	45.713	-0.664
5E+12	17	50.377	49.714	-0.664
1E+13	18	48.377	46.715	-1.663
1E+13	19	51.377	50.714	-0.662
1E+13	20	51.367	47.716	-3.652
1E+13	21	51.378	49.715	-1.663
Max		51.378	50.714	5.331
Average		48.841	48.377	-0.463
Min		44.375	43.713	-3.652
Std Dev		2.417	2.161	1.895

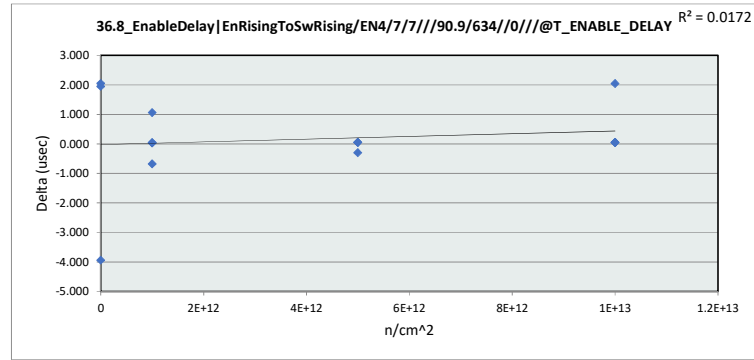


36.7_EnableDelay EnRisingToSwRising/EN3/7/7				
Test Site				
Tester				
Test Number				
Max Limit	94		usec	
Min Limit	14		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	47.708	46.712	43.713	46.715
Average	49.041	49.462	46.458	48.715
Max	50.705	50.713	49.714	50.714
UL	94.000	94.000	94.000	94.000

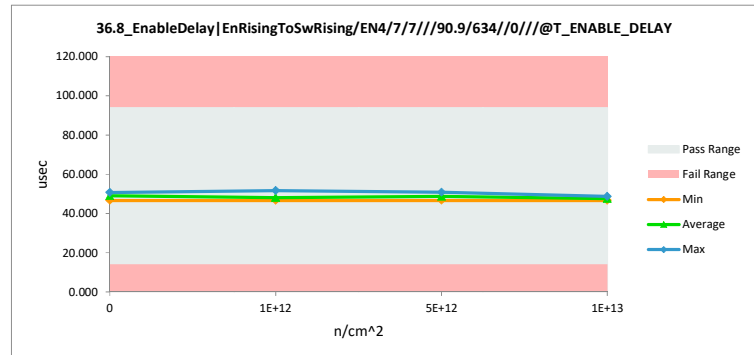


NDD Report TPS7H4104-SP

36.8_EnableDelay EnRisingToSwRising/EN4/7/7				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		100	94	
Min Limit		-2	14	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	47.693	49.642	1.948
0	2	50.588	46.644	-3.944
0	3	48.589	50.644	2.055
1E+12	10	51.610	51.646	0.036
1E+12	11	46.593	46.642	0.049
1E+12	12	46.591	47.652	1.061
1E+12	13	47.318	46.640	-0.678
5E+12	14	50.700	50.751	0.051
5E+12	15	48.594	48.645	0.050
5E+12	16	46.942	46.644	-0.298
5E+12	17	48.592	48.645	0.053
1E+13	18	48.592	48.644	0.052
1E+13	19	46.592	46.645	0.053
1E+13	20	46.595	48.643	2.048
1E+13	21	46.594	46.643	0.048
Max		51.610	51.646	2.055
Average		48.146	48.318	0.172
Min		46.591	46.640	-3.944
Std Dev		1.684	1.729	1.440

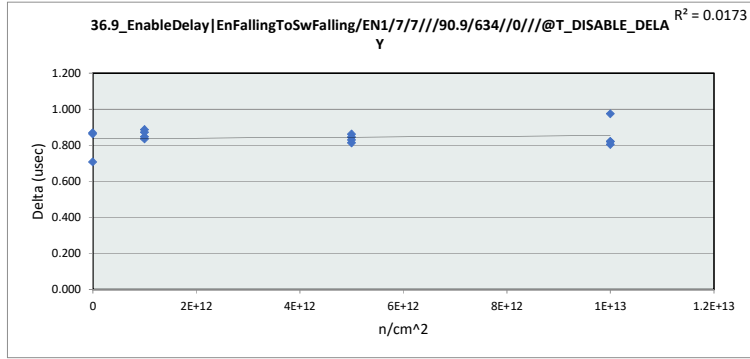


36.8_EnableDelay EnRisingToSwRising/EN4/7/7				
Test Site				
Tester				
Test Number				
Max Limit	94	usec		
Min Limit	14	usec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	14.000	14.000	14.000	14.000
Min	46.644	46.640	46.644	46.643
Average	48.976	48.145	48.671	47.644
Max	50.644	51.646	50.751	48.644
UL	94.000	94.000	94.000	94.000

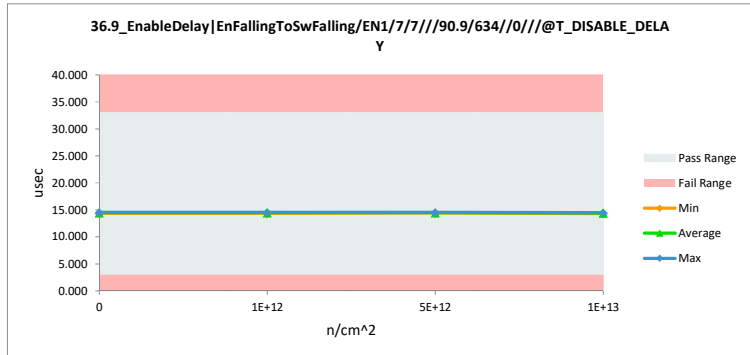


NDD Report
TPS7H4104-SP

36.9_EnableDelay EnFallingToSwFalling/EN1/7/				
Test Site				
Tester				
Test Number				
Unit	usec		usec	
Max Limit	35		33	
Min Limit	-3		3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	13.673	14.537	0.864
0	2	13.681	14.389	0.708
0	3	13.655	14.525	0.870
1E+12	10	13.616	14.463	0.848
1E+12	11	13.640	14.513	0.873
1E+12	12	13.557	14.393	0.836
1E+12	13	13.680	14.567	0.887
5E+12	14	13.646	14.491	0.845
5E+12	15	13.646	14.509	0.863
5E+12	16	13.626	14.457	0.831
5E+12	17	13.633	14.446	0.814
1E+13	18	13.613	14.418	0.805
1E+13	19	13.655	14.477	0.822
1E+13	20	13.527	14.502	0.975
1E+13	21	13.516	14.337	0.821
Max		13.681	14.567	0.975
Average		13.624	14.468	0.844
Min		13.516	14.337	0.708
Std Dev		0.052	0.063	0.056

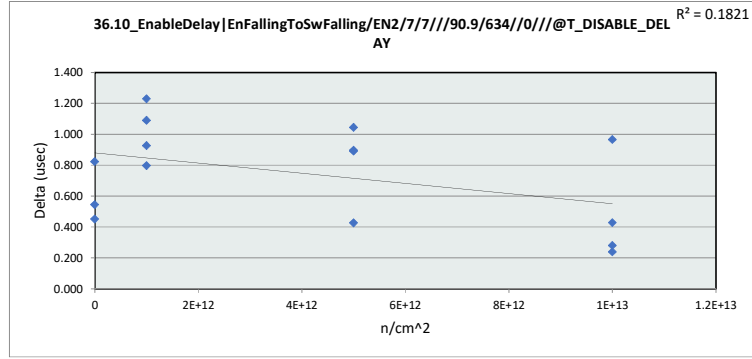


36.9_EnableDelay EnFallingToSwFalling/EN1/7/7///90.9/634/0///@T_DISABLE_DELA				
Test Site				
Tester				
Test Number				
Max Limit	33		usec	
Min Limit	3		usec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	14.389	14.393	14.446	14.337
Average	14.483	14.484	14.476	14.434
Max	14.537	14.567	14.509	14.502
UL	33.000	33.000	33.000	33.000

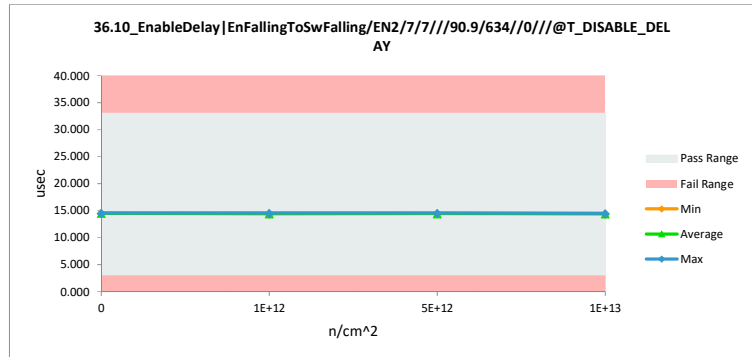


NDD Report
TPS7H4104-SP

36.10_EnableDelay EnFallingToSwFalling/EN2/7/7///90.9/634//0///@T_DISABLE_DEL AY				
Test Site				
Tester				
Test Number				
Unit		usec	usec	
Max Limit		35	33	
Min Limit		-3	3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	13.974	14.523	0.548
0	2	13.734	14.561	0.826
0	3	14.083	14.538	0.455
1E+12	10	13.497	14.427	0.930
1E+12	11	13.456	14.550	1.094
1E+12	12	13.316	14.549	1.233
1E+12	13	13.641	14.441	0.800
5E+12	14	13.448	14.495	1.047
5E+12	15	13.543	14.437	0.894
5E+12	16	13.547	14.446	0.900
5E+12	17	14.130	14.560	0.430
1E+13	18	13.502	14.471	0.970
1E+13	19	14.002	14.433	0.431
1E+13	20	14.164	14.406	0.243
1E+13	21	14.207	14.490	0.283
Max		14.207	14.561	1.233
Average		13.750	14.489	0.739
Min		13.316	14.406	0.243
Std Dev		0.309	0.055	0.314



36.10_EnableDelay EnFallingToSwFalling/EN2/7/7///90.9/634//0///@T_DISABLE_DEL AY				
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	14.523	14.427	14.437	14.406
Average	14.540	14.492	14.485	14.450
Max	14.561	14.550	14.560	14.490
UL	33.000	33.000	33.000	33.000

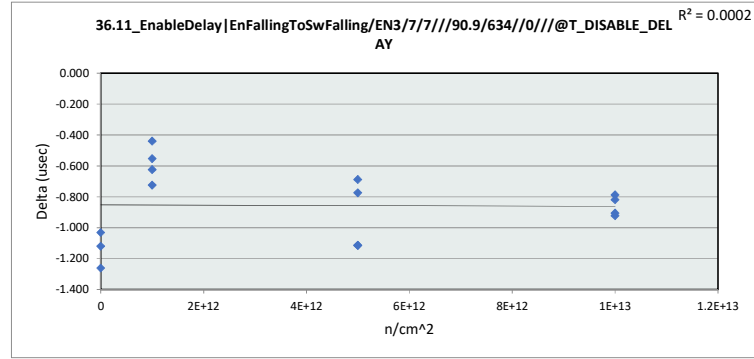


NDD Report TPS7H4104-SP

36.11_EnableDelay|EnFallingToSwFalling/EN3/7/7///90.9/634//0///@T_DISABLE_DEL AY

Test Site		
Tester		
Test Number		
Unit	usec	usec
Max Limit	35	33
Min Limit	-3	3

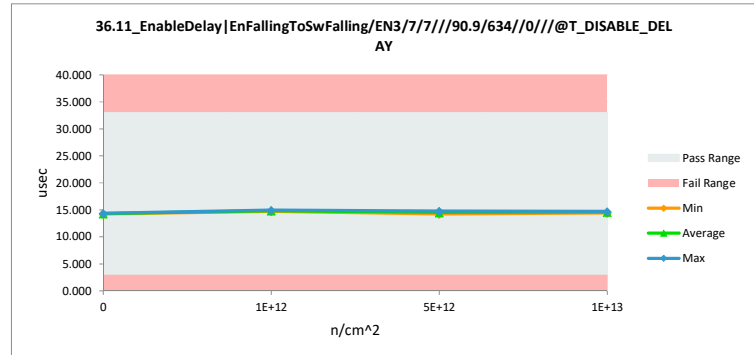
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	15.500	14.242	-1.258
0	2	15.425	14.396	-1.028
0	3	15.428	14.312	-1.116
1E+12	10	15.579	14.958	-0.621
1E+12	11	15.434	14.883	-0.550
1E+12	12	15.442	14.720	-0.722
1E+12	13	15.357	14.920	-0.437
5E+12	14	15.378	14.268	-1.110
5E+12	15	15.401	14.288	-1.112
5E+12	16	15.441	14.756	-0.685
5E+12	17	15.574	14.803	-0.771
1E+13	18	15.381	14.462	-0.919
1E+13	19	15.501	14.685	-0.816
1E+13	20	15.484	14.581	-0.904
1E+13	21	15.487	14.702	-0.785
Max		15.579	14.958	-0.437
Average		15.454	14.598	-0.856
Min		15.357	14.242	-1.258
Std Dev		0.067	0.252	0.236



36.11_EnableDelay|EnFallingToSwFalling/EN3/7/7///90.9/634//0///@T_DISABLE_DEL AY

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	14.242	14.720	14.268	14.462
Average	14.317	14.870	14.529	14.608
Max	14.396	14.958	14.803	14.702
UL	33.000	33.000	33.000	33.000

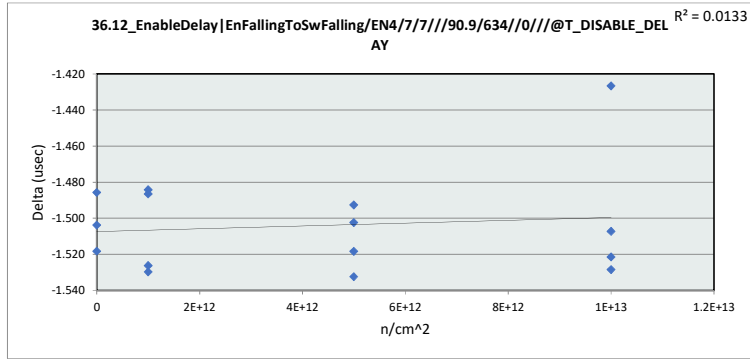


NDD Report
TPS7H4104-SP

36.12_EnableDelay|EnFallingToSwFalling/EN4/7

Test Site		
Tester		
Test Number		
Unit	usec	usec
Max Limit	35	33
Min Limit	-3	3

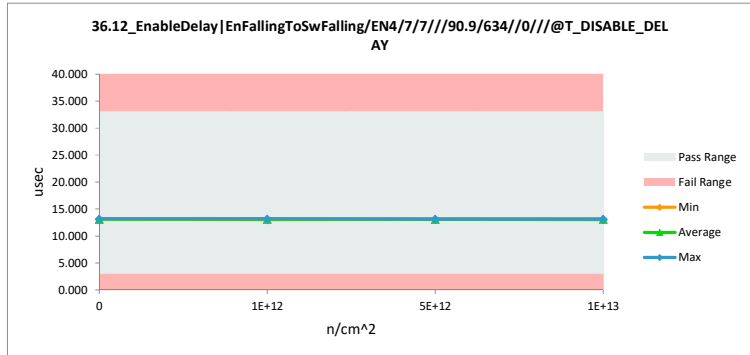
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	14.620	13.116	-1.504
0	2	14.641	13.123	-1.518
0	3	14.656	13.170	-1.486
1E+12	10	14.679	13.193	-1.486
1E+12	11	14.625	13.141	-1.484
1E+12	12	14.626	13.096	-1.530
1E+12	13	14.557	13.031	-1.526
5E+12	14	14.610	13.108	-1.502
5E+12	15	14.598	13.065	-1.532
5E+12	16	14.686	13.168	-1.518
5E+12	17	14.641	13.149	-1.492
1E+13	18	14.664	13.136	-1.528
1E+13	19	14.649	13.142	-1.507
1E+13	20	14.569	13.142	-1.426
1E+13	21	14.568	13.047	-1.521
	Max	14.686	13.193	-1.426
	Average	14.626	13.122	-1.504
	Min	14.557	13.031	-1.532
	Std Dev	0.040	0.046	0.027



36.12_EnableDelay|EnFallingToSwFalling/EN4/7

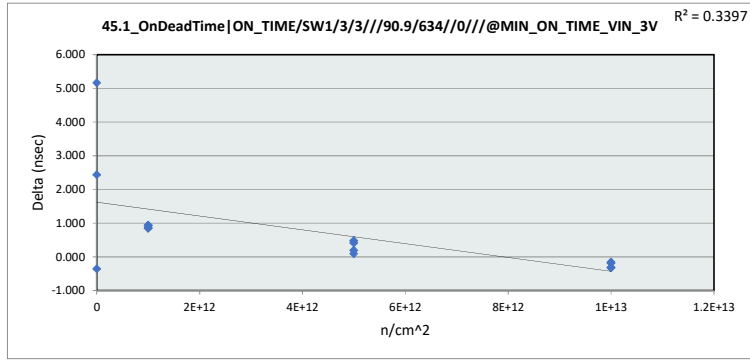
Test Site		
Tester		
Test Number		
Max Limit	33	usec
Min Limit	3	usec

n/cm^2	0	1E+12	5E+12	1E+13
LL	3.000	3.000	3.000	3.000
Min	13.116	13.031	13.065	13.047
Average	13.137	13.115	13.122	13.117
Max	13.171	13.193	13.168	13.143
UL	33.000	33.000	33.000	33.000

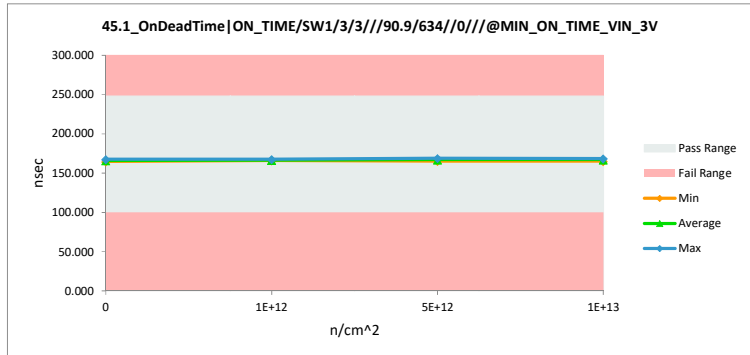


NDD Report
TPS7H4104-SP

45.1_OnDeadTime ON_TIME/SW1/3/3//90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	260	248		
Min Limit	70.4	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	162.542	167.717	5.176
0	2	165.027	164.685	-0.342
0	3	163.467	165.913	2.446
1E+12	10	165.824	166.779	0.954
1E+12	11	166.647	167.584	0.937
1E+12	12	165.046	165.916	0.870
1E+12	13	165.408	166.270	0.862
5E+12	14	164.815	165.307	0.491
5E+12	15	168.767	168.975	0.208
5E+12	16	166.430	166.536	0.107
5E+12	17	167.750	168.173	0.423
1E+13	18	166.084	165.911	-0.173
1E+13	19	165.522	165.220	-0.303
1E+13	20	168.568	168.422	-0.147
1E+13	21	168.837	168.535	-0.302
	Max	168.837	168.975	5.176
	Average	166.049	166.796	0.747
	Min	162.542	164.685	-0.342
	Std Dev	1.855	1.353	1.427

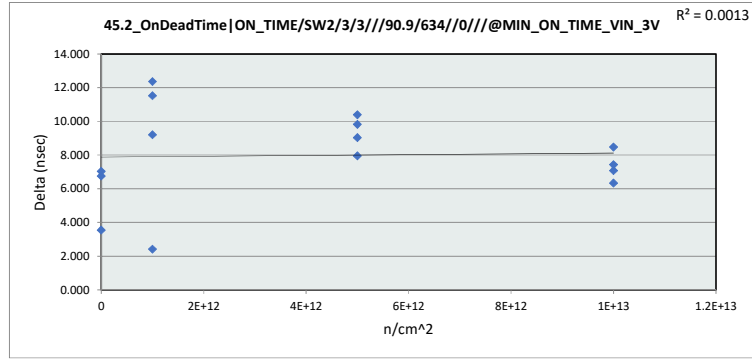


45.1_OnDeadTime ON_TIME/SW1/				
Test Site				
Tester				
Test Number				
Max Limit	248	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	164.685	165.916	165.307	165.220
Average	166.105	166.637	167.248	167.022
Max	167.718	167.584	168.975	168.535
UL	248.000	248.000	248.000	248.000

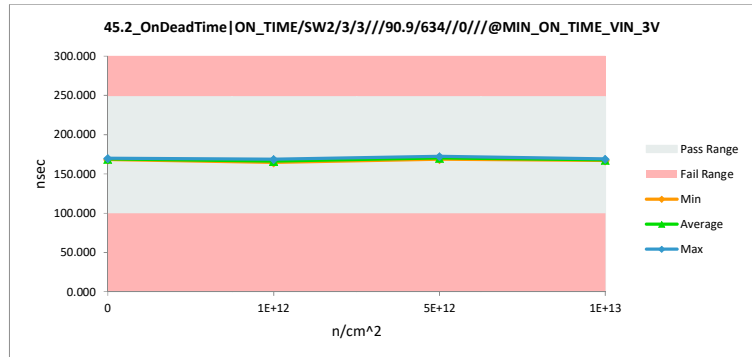


NDD Report TPS7H4104-SP

45.2_OnDeadTime ON_TIME/SW2/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	260	248		
Min Limit	70.4	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	163.079	170.137	7.057
0	2	165.309	168.873	3.564
0	3	161.500	168.283	6.783
1E+12	10	159.556	168.790	9.234
1E+12	11	163.755	166.190	2.435
1E+12	12	153.946	166.333	12.388
1E+12	13	152.895	164.444	11.549
5E+12	14	160.568	168.543	7.974
5E+12	15	163.443	172.505	9.062
5E+12	16	161.529	171.372	9.843
5E+12	17	158.632	169.055	10.424
1E+13	18	162.744	169.109	6.365
1E+13	19	160.403	167.507	7.104
1E+13	20	159.902	167.356	7.454
1E+13	21	158.656	167.160	8.504
Max		165.309	172.505	12.388
Average		160.395	168.377	7.983
Min		152.895	164.444	2.435
Std Dev		3.432	2.040	2.683

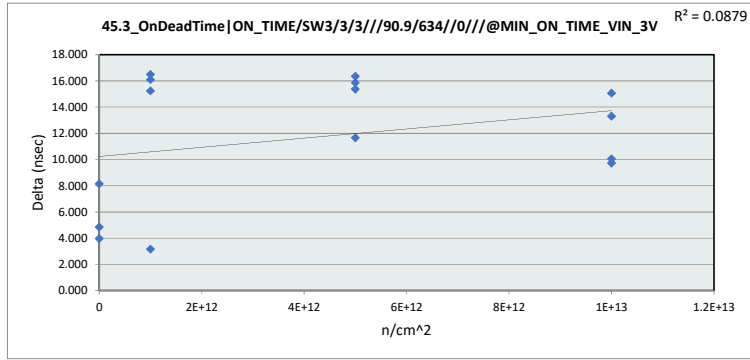


45.2_OnDeadTime ON_TIME/SW2/				
Test Site				
Tester				
Test Number				
Max Limit	248	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	168.283	164.444	168.543	167.160
Average	169.098	166.439	170.369	167.783
Max	170.137	168.790	172.505	169.109
UL	248.000	248.000	248.000	248.000

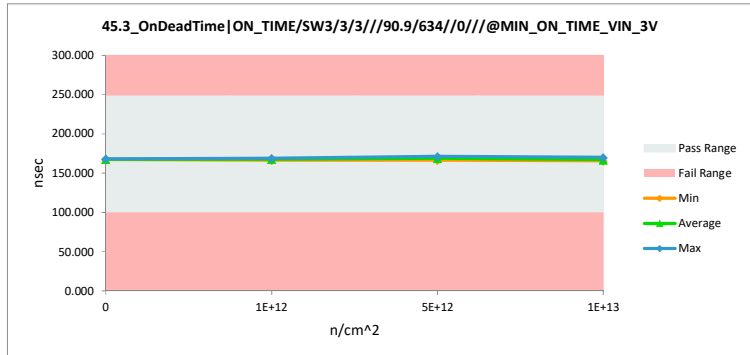


NDD Report
TPS7H4104-SP

45.3_OnDeadTime ON_TIME/SW3/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	260	248		
Min Limit	70.4	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	162.390	167.268	4.879
0	2	159.970	168.142	8.172
0	3	164.318	168.324	4.006
1E+12	10	151.326	166.591	15.264
1E+12	11	165.860	169.049	3.188
1E+12	12	151.681	167.793	16.112
1E+12	13	150.874	167.406	16.532
5E+12	14	154.677	166.370	11.693
5E+12	15	152.650	168.053	15.404
5E+12	16	153.963	169.844	15.881
5E+12	17	155.172	171.556	16.383
1E+13	18	155.902	165.983	10.082
1E+13	19	152.271	165.609	13.338
1E+13	20	157.134	166.893	9.758
1E+13	21	155.076	170.163	15.087
	Max	165.860	171.556	16.532
	Average	156.218	167.936	11.719
	Min	150.874	165.609	3.188
	Std Dev	4.803	1.658	4.780

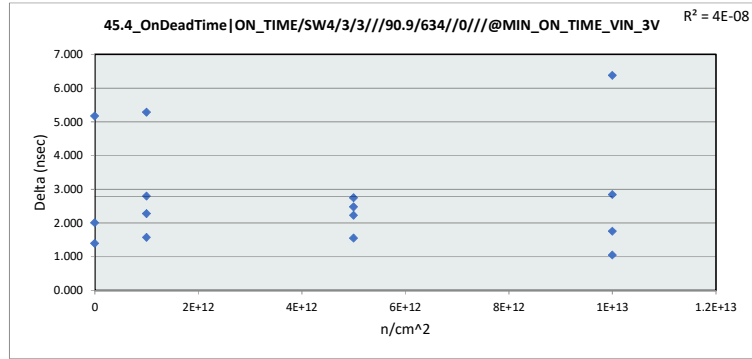


45.3_OnDeadTime ON_TIME/SW3/				
Test Site				
Tester				
Test Number				
Max Limit	248	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	167.268	166.591	166.370	165.609
Average	167.911	167.709	168.956	167.162
Max	168.324	169.049	171.556	170.163
UL	248.000	248.000	248.000	248.000

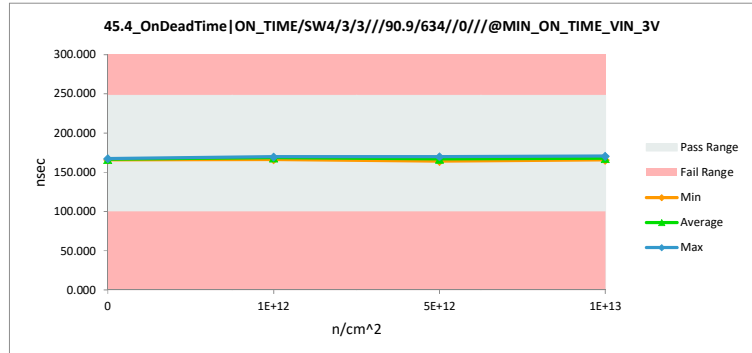


NDD Report TPS7H4104-SP

45.4_OnDeadTime ON_TIME/SW4/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	260	248		
Min Limit	70.4	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	163.958	165.972	2.015
0	2	164.970	166.376	1.407
0	3	162.324	167.506	5.182
1E+12	10	166.881	169.171	2.290
1E+12	11	164.818	166.404	1.587
1E+12	12	163.660	168.960	5.300
1E+12	13	167.068	169.878	2.811
5E+12	14	162.628	164.190	1.562
5E+12	15	167.763	170.001	2.238
5E+12	16	162.384	165.139	2.755
5E+12	17	166.649	169.138	2.489
1E+13	18	167.683	168.745	1.062
1E+13	19	164.179	165.946	1.768
1E+13	20	164.276	170.669	6.393
1E+13	21	163.215	166.071	2.857
Max		167.763	170.669	6.393
Average		164.830	167.611	2.781
Min		162.324	164.190	1.062
Std Dev		1.925	2.013	1.585

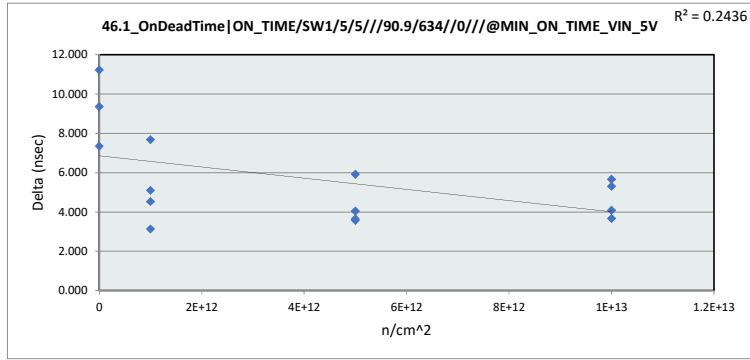


45.4_OnDeadTime ON_TIME/SW4/				
Test Site				
Tester				
Test Number				
Max Limit	248	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	165.972	166.404	164.190	165.946
Average	166.618	168.603	167.117	167.858
Max	167.506	169.878	170.001	170.669
UL	248.000	248.000	248.000	248.000

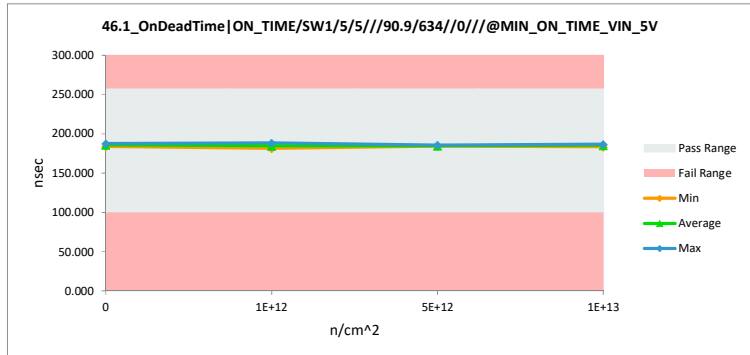


NDD Report
TPS7H4104-SP

46.1_OnDeadTime ON_TIME/SW1/5/5///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	270	257		
Min Limit	68.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	178.406	187.779	9.373
0	2	176.587	183.947	7.360
0	3	175.805	187.043	11.238
1E+12	10	180.012	185.126	5.115
1E+12	11	180.655	188.356	7.701
1E+12	12	178.471	181.624	3.152
1E+12	13	179.531	184.071	4.540
5E+12	14	179.296	185.237	5.941
5E+12	15	182.267	185.865	3.598
5E+12	16	180.803	184.872	4.068
5E+12	17	180.683	184.342	3.659
1E+13	18	180.696	186.022	5.326
1E+13	19	179.946	183.636	3.691
1E+13	20	180.952	186.639	5.687
1E+13	21	181.197	185.301	4.104
	Max	182.267	188.356	11.238
	Average	179.687	185.324	5.637
	Min	175.805	181.624	3.152
	Std Dev	1.750	1.730	2.346

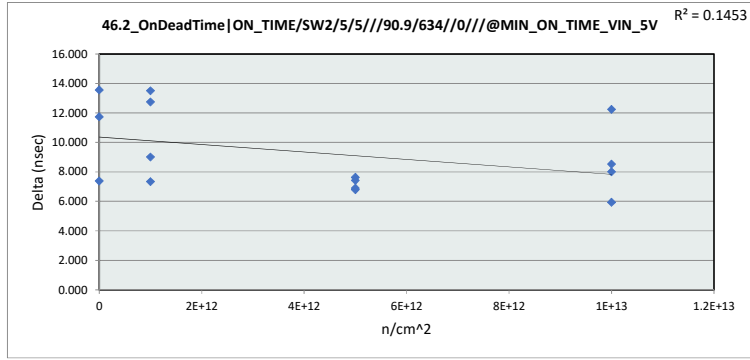


46.1_OnDeadTime ON_TIME/SW1/				
Test Site				
Tester				
Test Number				
Max Limit	257	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	183.947	181.624	184.342	183.636
Average	186.256	184.794	185.079	185.400
Max	187.779	188.356	185.865	186.639
UL	257.000	257.000	257.000	257.000

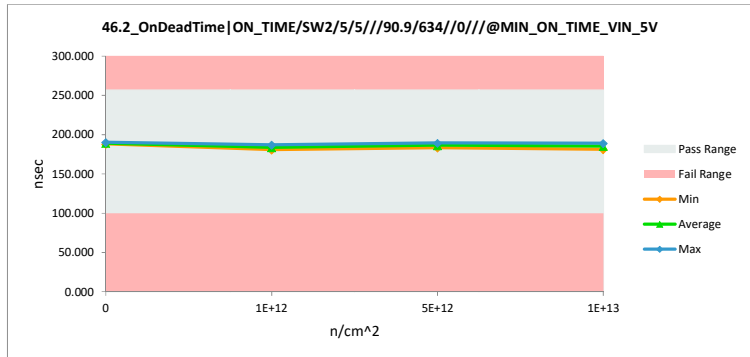


NDD Report
TPS7H4104-SP

46.2_OnDeadTime ON_TIME/SW2/5/5///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec		nsec	
Max Limit	270		257	
Min Limit	68.6		100	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	178.575	190.336	11.761
0	2	175.728	189.315	13.587
0	3	180.781	188.191	7.410
1E+12	10	174.386	187.170	12.784
1E+12	11	172.414	181.452	9.038
1E+12	12	172.273	185.803	13.531
1E+12	13	173.518	180.898	7.380
5E+12	14	181.854	189.312	7.458
5E+12	15	178.240	185.072	6.832
5E+12	16	180.477	188.134	7.657
5E+12	17	176.618	183.545	6.927
1E+13	18	175.529	187.803	12.274
1E+13	19	181.045	189.086	8.041
1E+13	20	175.324	183.885	8.561
1E+13	21	175.258	181.227	5.968
	Max	181.854	190.336	13.587
	Average	176.801	186.082	9.281
	Min	172.273	180.898	5.968
	Std Dev	3.183	3.219	2.695

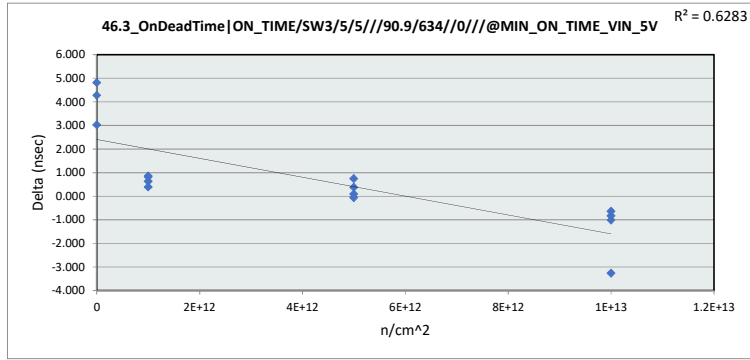


46.2_OnDeadTime ON_TIME/SW2/				
Test Site				
Tester				
Test Number				
Max Limit	257		nsec	
Min Limit	100		nsec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	188.191	180.898	183.545	181.227
Average	189.281	183.831	186.516	185.500
Max	190.336	187.170	189.312	189.086
UL	257.000	257.000	257.000	257.000

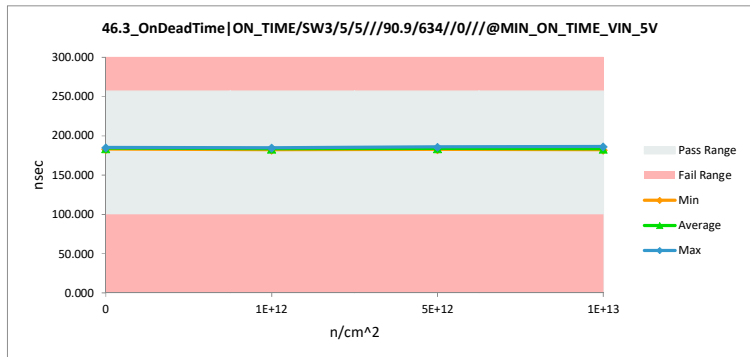


NDD Report
TPS7H4104-SP

46.3_OnDeadTime ON_TIME/SW3/5/5//90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	270	257		
Min Limit	68.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	178.971	183.805	4.834
0	2	180.964	185.255	4.292
0	3	180.350	183.392	3.042
1E+12	10	183.297	183.942	0.645
1E+12	11	181.510	182.389	0.880
1E+12	12	182.603	183.011	0.408
1E+12	13	184.110	184.944	0.834
5E+12	14	181.915	182.675	0.760
5E+12	15	183.568	183.522	-0.046
5E+12	16	184.225	184.622	0.398
5E+12	17	185.836	185.947	0.111
1E+13	18	183.209	182.215	-0.994
1E+13	19	183.321	182.698	-0.623
1E+13	20	186.477	183.234	-3.244
1E+13	21	187.158	186.346	-0.811
	Max	187.158	186.346	4.834
	Average	183.168	183.867	0.699
	Min	178.971	182.215	-3.244
	Std Dev	2.256	1.291	2.054



46.3_OnDeadTime ON_TIME/SW3/				
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	183.392	182.389	182.675	182.215
Average	184.151	183.572	184.191	183.623
Max	185.255	184.944	185.947	186.346
UL	257.000	257.000	257.000	257.000

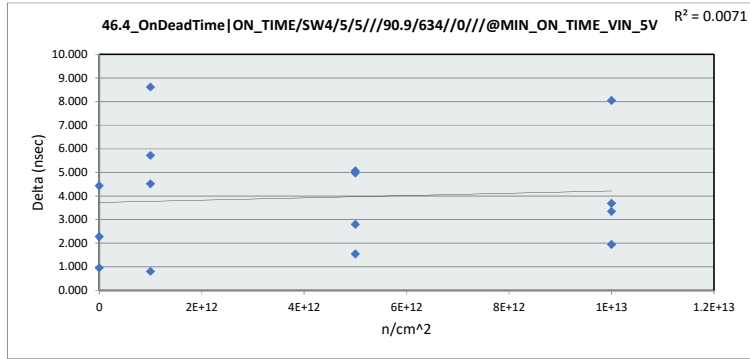


NDD Report
TPS7H4104-SP

46.4_OnDeadTime|ON_TIME/SW4/5/5//90.9/

Test Site		
Tester		
Test Number		
Unit	nsec	nsec
Max Limit	270	257
Min Limit	68.6	100

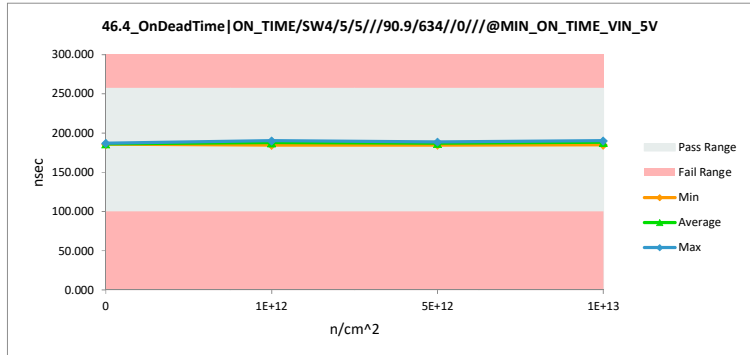
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	184.832	187.130	2.298
0	2	184.762	185.728	0.966
0	3	181.620	186.070	4.450
1E+12	10	183.721	188.252	4.532
1E+12	11	183.822	184.646	0.825
1E+12	12	179.387	188.021	8.633
1E+12	13	184.504	190.245	5.741
5E+12	14	183.202	184.763	1.561
5E+12	15	185.994	188.812	2.818
5E+12	16	180.469	185.550	5.081
5E+12	17	183.181	188.171	4.991
1E+13	18	188.346	190.307	1.960
1E+13	19	184.407	187.772	3.365
1E+13	20	182.093	190.163	8.070
1E+13	21	181.207	184.913	3.706
	Max	188.346	190.307	8.633
	Average	183.436	187.370	3.933
	Min	179.387	184.646	0.825
	Std Dev	2.269	2.014	2.358



46.4_OnDeadTime|ON_TIME/SW4/

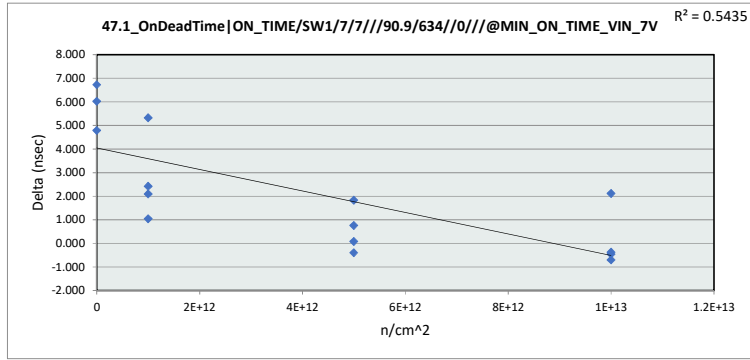
Test Site		
Tester		
Test Number		
Max Limit	257	nsec
Min Limit	100	nsec

n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	185.728	184.646	184.763	184.913
Average	186.309	187.791	186.824	188.289
Max	187.130	190.245	188.812	190.307
UL	257.000	257.000	257.000	257.000

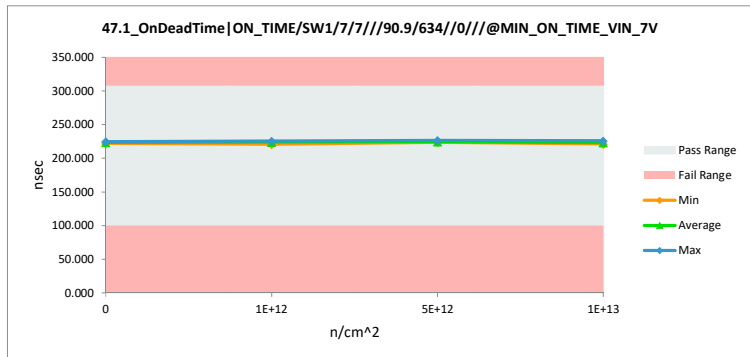


NDD Report
TPS7H4104-SP

47.1_OnDeadTime ON_TIME/SW1/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	320	307		
Min Limit	58.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	218.790	224.828	6.038
0	2	217.179	221.983	4.804
0	3	218.045	224.788	6.743
1E+12	10	220.480	225.818	5.338
1E+12	11	224.671	225.729	1.058
1E+12	12	218.632	220.743	2.111
1E+12	13	221.459	223.894	2.435
5E+12	14	222.742	223.516	0.774
5E+12	15	226.719	226.822	0.102
5E+12	16	225.460	225.077	-0.383
5E+12	17	222.369	224.223	1.854
1E+13	18	223.501	223.144	-0.357
1E+13	19	222.087	221.655	-0.433
1E+13	20	223.919	226.056	2.137
1E+13	21	223.730	223.046	-0.684
	Max	226.719	226.822	6.743
	Average	221.986	224.088	2.103
	Min	217.179	220.743	-0.684
	Std Dev	2.855	1.752	2.511

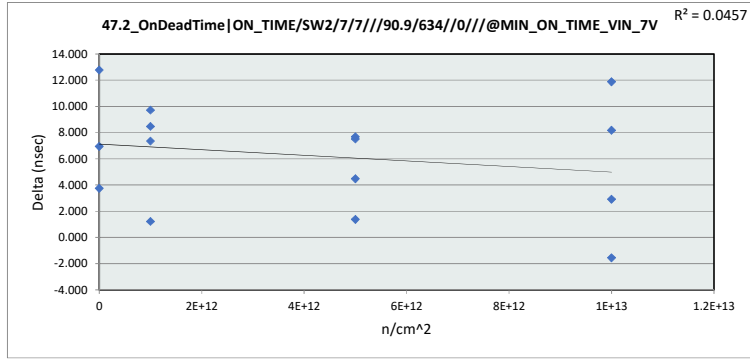


47.1_OnDeadTime ON_TIME/SW1/				
Test Site				
Tester				
Test Number				
Max Limit	307	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	221.983	220.743	223.516	221.655
Average	223.866	224.046	224.910	223.475
Max	224.828	225.818	226.822	226.056
UL	307.000	307.000	307.000	307.000

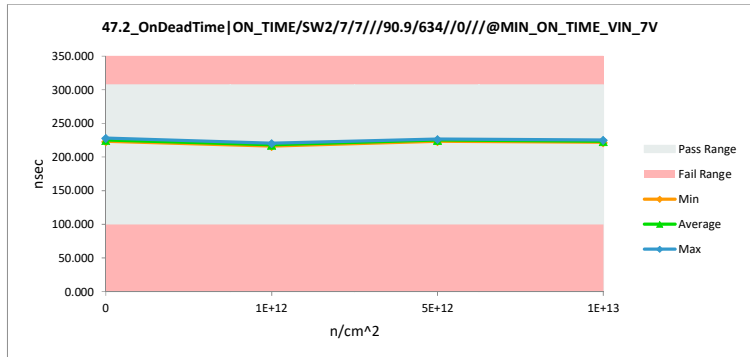


NDD Report
TPS7H4104-SP

47.2_OnDeadTime ON_TIME/SW2/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec		nsec	
Max Limit	320		307	
Min Limit	58.6		100	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	221.338	228.312	6.974
0	2	211.637	224.452	12.815
0	3	219.370	223.158	3.788
1E+12	10	208.872	216.260	7.388
1E+12	11	217.919	219.165	1.246
1E+12	12	208.224	216.724	8.500
1E+12	13	210.675	220.415	9.740
5E+12	14	224.076	225.481	1.405
5E+12	15	222.243	226.760	4.517
5E+12	16	215.868	223.576	7.708
5E+12	17	218.667	226.215	7.548
1E+13	18	223.405	221.888	-1.517
1E+13	19	221.884	224.827	2.943
1E+13	20	213.596	225.507	11.911
1E+13	21	213.783	221.991	8.207
	Max	224.076	228.312	12.815
	Average	216.771	222.982	6.212
	Min	208.224	216.260	-1.517
	Std Dev	5.377	3.580	4.059

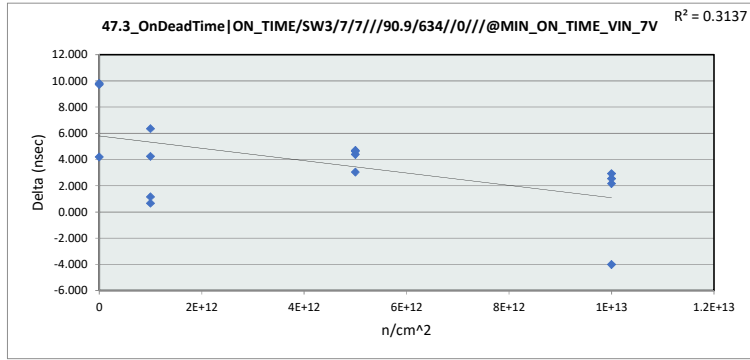


47.2_OnDeadTime ON_TIME/SW2/				
Test Site				
Tester				
Test Number				
Max Limit	307		nsec	
Min Limit	100		nsec	
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	223.158	216.260	223.576	221.888
Average	225.307	218.141	225.508	223.553
Max	228.312	220.415	226.760	225.507
UL	307.000	307.000	307.000	307.000

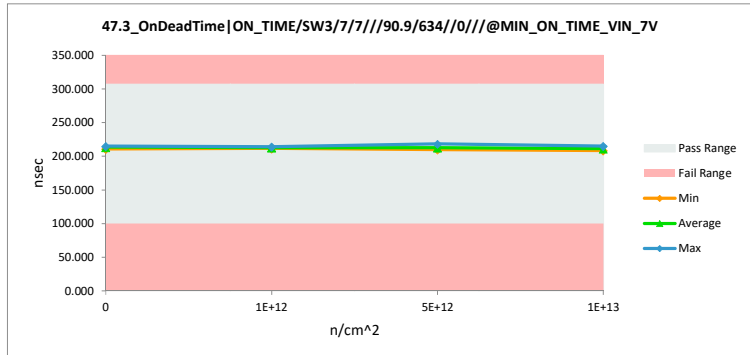


NDD Report
TPS7H4104-SP

47.3_OnDeadTime ON_TIME/SW3/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	320	307		
Min Limit	58.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	205.298	215.046	9.748
0	2	204.994	214.838	9.844
0	3	206.855	211.085	4.230
1E+12	10	213.780	214.469	0.690
1E+12	11	205.821	212.202	6.381
1E+12	12	210.505	211.678	1.173
1E+12	13	209.615	213.891	4.277
5E+12	14	205.071	209.794	4.723
5E+12	15	206.214	210.630	4.415
5E+12	16	207.824	212.494	4.670
5E+12	17	215.314	218.378	3.064
1E+13	18	210.030	212.214	2.184
1E+13	19	206.479	209.431	2.952
1E+13	20	212.599	208.624	-3.975
1E+13	21	212.595	215.163	2.568
Max		215.314	218.378	9.844
Average		208.866	212.663	3.796
Min		204.994	208.624	-3.975
Std Dev		3.458	2.634	3.416

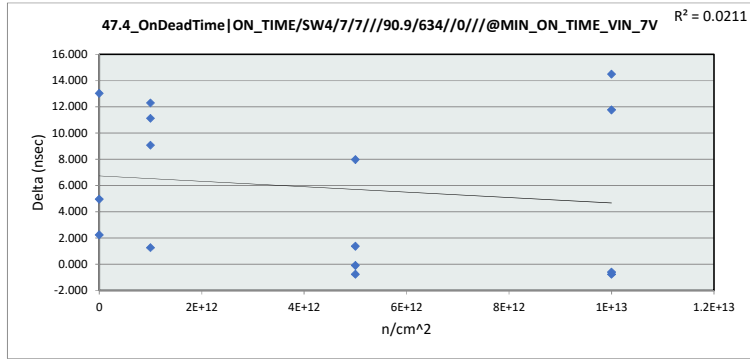


47.3_OnDeadTime ON_TIME/SW3/				
Test Site				
Tester				
Test Number				
Max Limit	307	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	211.085	211.678	209.795	208.624
Average	213.657	213.060	212.824	211.358
Max	215.046	214.470	218.378	215.163
UL	307.000	307.000	307.000	307.000

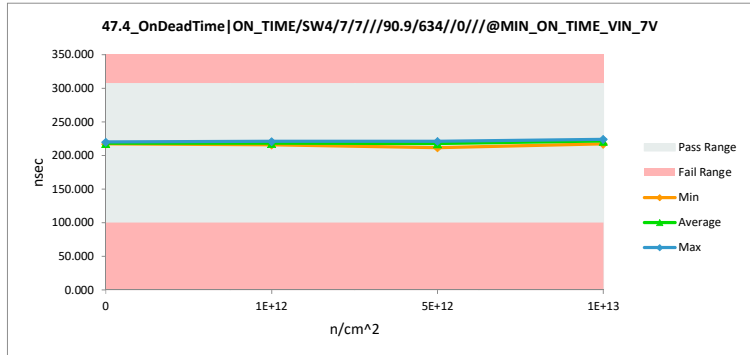


NDD Report TPS7H4104-SP

47.4_OnDeadTime ON_TIME/SW4/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	nsec	nsec		
Max Limit	320	307		
Min Limit	58.6	100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	217.747	220.008	2.261
0	2	204.892	217.950	13.058
0	3	212.355	217.344	4.989
1E+12	10	207.630	216.741	9.111
1E+12	11	214.792	216.082	1.290
1E+12	12	207.485	218.647	11.162
1E+12	13	208.663	220.986	12.323
5E+12	14	215.814	217.210	1.395
5E+12	15	221.582	220.844	-0.738
5E+12	16	203.715	211.726	8.011
5E+12	17	221.309	221.243	-0.066
1E+13	18	224.961	224.219	-0.742
1E+13	19	221.860	221.283	-0.576
1E+13	20	209.267	223.799	14.532
1E+13	21	205.297	217.093	11.796
Max		224.961	224.219	14.532
Average		213.158	219.012	5.854
Min		203.715	211.726	-0.742
Std Dev		7.077	3.232	5.766

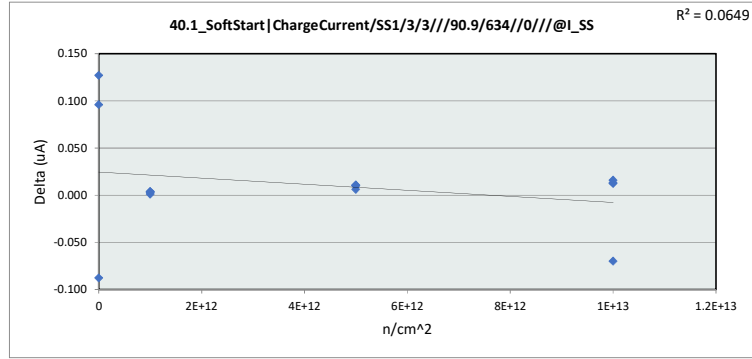


47.4_OnDeadTime ON_TIME/SW4/				
Test Site				
Tester				
Test Number				
Max Limit	307	nsec		
Min Limit	100	nsec		
n/cm^2	0	1E+12	5E+12	1E+13
LL	100.000	100.000	100.000	100.000
Min	217.344	216.082	211.726	217.093
Average	218.434	218.114	217.756	221.599
Max	220.008	220.986	221.243	224.219
UL	307.000	307.000	307.000	307.000

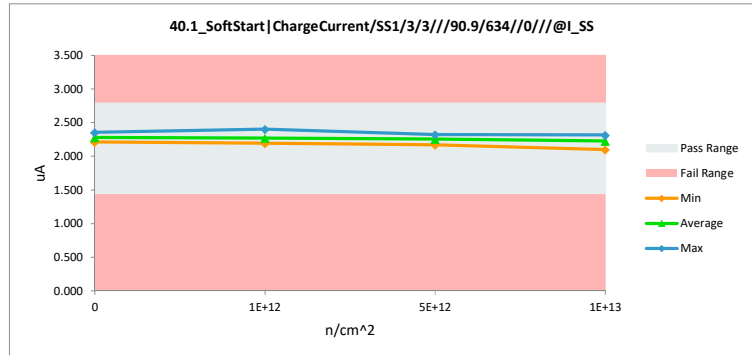


NDD Report
TPS7H4104-SP

40.1_SoftStart ChargeCurrent/SS1/3/3///90.9/				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.300	2.213	-0.087
0	2	2.228	2.356	0.127
0	3	2.174	2.270	0.096
1E+12	10	2.188	2.191	0.003
1E+12	11	2.398	2.402	0.004
1E+12	12	2.191	2.195	0.004
1E+12	13	2.290	2.292	0.002
5E+12	14	2.162	2.174	0.011
5E+12	15	2.318	2.325	0.007
5E+12	16	2.296	2.307	0.011
5E+12	17	2.213	2.223	0.010
1E+13	18	2.088	2.101	0.014
1E+13	19	2.255	2.268	0.013
1E+13	20	2.300	2.230	-0.069
1E+13	21	2.300	2.316	0.016
Max		2.398	2.402	0.127
Average		2.247	2.258	0.011
Min		2.088	2.101	-0.087
Std Dev		0.079	0.078	0.052



40.1_SoftStart ChargeCurrent/SS1				
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	2.213	2.191	2.174	2.101
Average	2.280	2.270	2.257	2.229
Max	2.356	2.402	2.325	2.316
UL	2.790	2.790	2.790	2.790

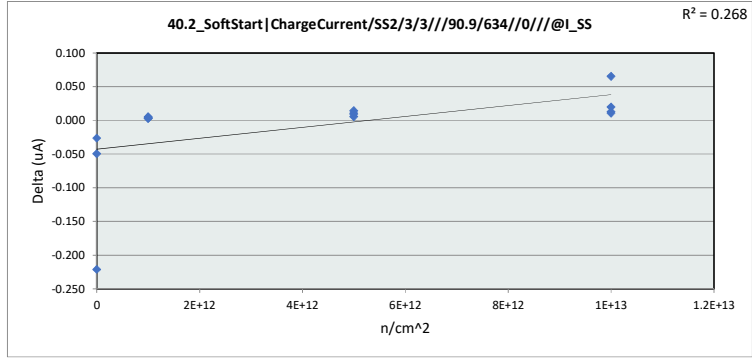


NDD Report
TPS7H4104-SP

40.2_SoftStart|ChargeCurrent/SS2/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

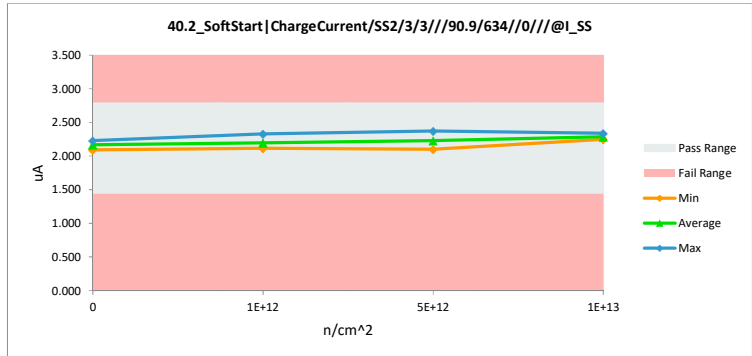
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.314	2.094	-0.221
0	2	2.213	2.187	-0.026
0	3	2.278	2.230	-0.049
1E+12	10	2.168	2.172	0.004
1E+12	11	2.326	2.330	0.005
1E+12	12	2.110	2.116	0.006
1E+12	13	2.170	2.173	0.004
5E+12	14	2.218	2.234	0.015
5E+12	15	2.366	2.372	0.006
5E+12	16	2.196	2.207	0.011
5E+12	17	2.091	2.101	0.010
1E+13	18	2.237	2.251	0.013
1E+13	19	2.317	2.337	0.020
1E+13	20	2.242	2.308	0.066
1E+13	21	2.241	2.253	0.011
Max		2.366	2.372	0.066
Average		2.232	2.224	-0.008
Min		2.091	2.094	-0.221
Std Dev		0.079	0.087	0.063



40.2_SoftStart|ChargeCurrent/SS2

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	2.094	2.116	2.101	2.251
Average	2.170	2.198	2.228	2.287
Max	2.230	2.330	2.373	2.337
UL	2.790	2.790	2.790	2.790

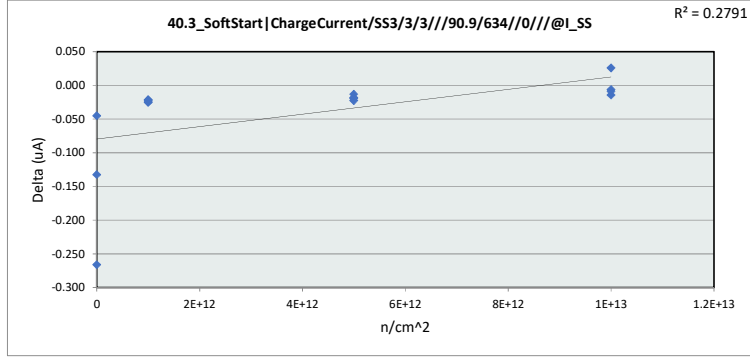


NDD Report
TPS7H4104-SP

40.3_SoftStart|ChargeCurrent/SS3/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

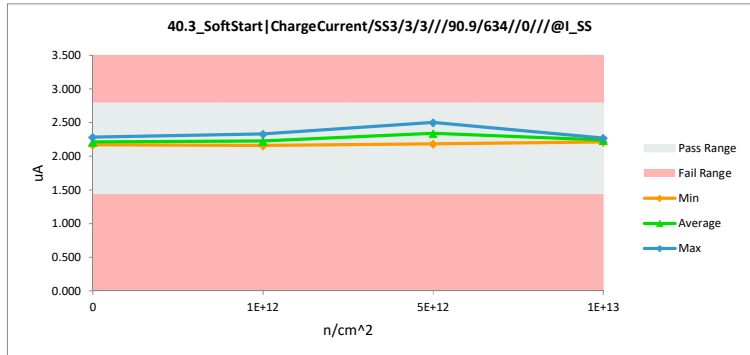
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.437	2.171	-0.265
0	2	2.332	2.288	-0.045
0	3	2.313	2.182	-0.132
1E+12	10	2.205	2.184	-0.021
1E+12	11	2.355	2.331	-0.024
1E+12	12	2.184	2.162	-0.021
1E+12	13	2.260	2.236	-0.024
5E+12	14	2.305	2.292	-0.013
5E+12	15	2.526	2.504	-0.022
5E+12	16	2.398	2.379	-0.019
5E+12	17	2.205	2.188	-0.018
1E+13	18	2.281	2.273	-0.008
1E+13	19	2.240	2.234	-0.006
1E+13	20	2.229	2.256	0.026
1E+13	21	2.229	2.215	-0.014
Max		2.526	2.504	0.026
Average		2.300	2.260	-0.040
Min		2.184	2.162	-0.265
Std Dev		0.097	0.092	0.071



40.3_SoftStart|ChargeCurrent/SS3

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	2.171	2.162	2.188	2.215
Average	2.214	2.228	2.341	2.245
Max	2.288	2.331	2.504	2.273
UL	2.790	2.790	2.790	2.790

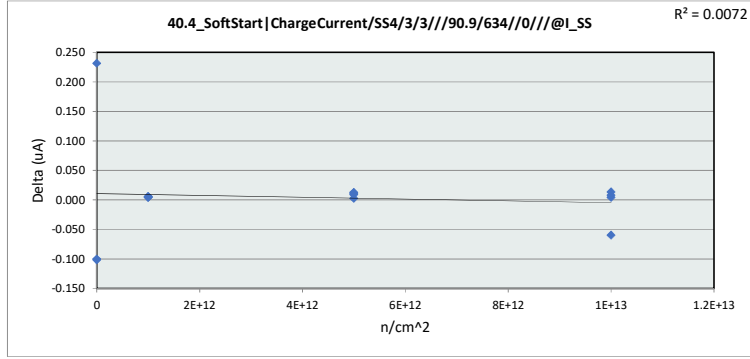


NDD Report
TPS7H4104-SP

40.4_SoftStart|ChargeCurrent/SS4/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

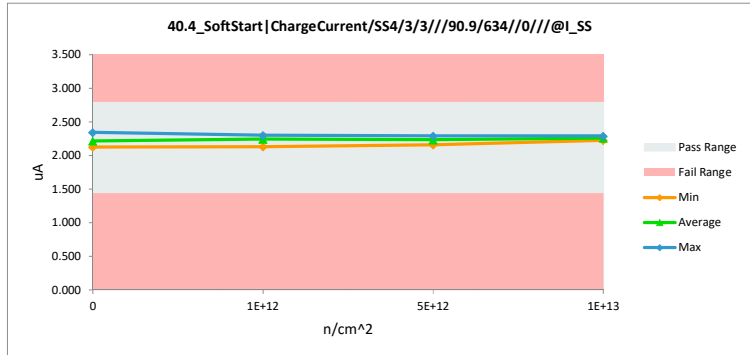
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.283	2.182	-0.101
0	2	2.112	2.345	0.232
0	3	2.227	2.127	-0.100
1E+12	10	2.126	2.133	0.006
1E+12	11	2.295	2.300	0.005
1E+12	12	2.262	2.268	0.006
1E+12	13	2.261	2.267	0.005
5E+12	14	2.148	2.161	0.013
5E+12	15	2.249	2.253	0.003
5E+12	16	2.281	2.293	0.012
5E+12	17	2.225	2.235	0.010
1E+13	18	2.225	2.239	0.014
1E+13	19	2.282	2.290	0.009
1E+13	20	2.285	2.226	-0.059
1E+13	21	2.285	2.290	0.005
Max		2.295	2.345	0.232
Average		2.237	2.241	0.004
Min		2.112	2.127	-0.101
Std Dev		0.061	0.065	0.075



40.4_SoftStart|ChargeCurrent/SS4

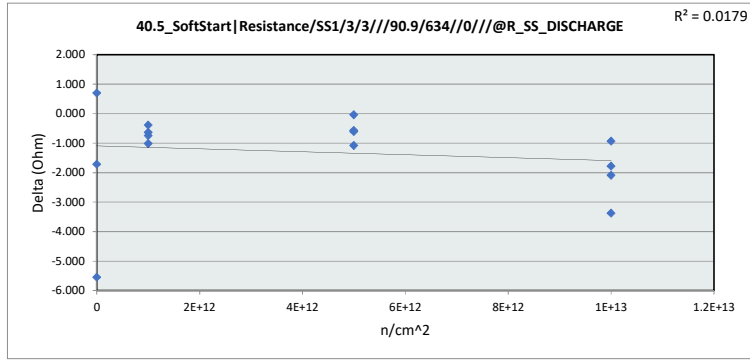
Test Site		
Tester		
Test Number		
Max Limit	2.79	uA
Min Limit	1.44	uA

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.440	1.440	1.440	1.440
Min	2.127	2.133	2.161	2.226
Average	2.218	2.242	2.235	2.261
Max	2.345	2.300	2.293	2.290
UL	2.790	2.790	2.790	2.790

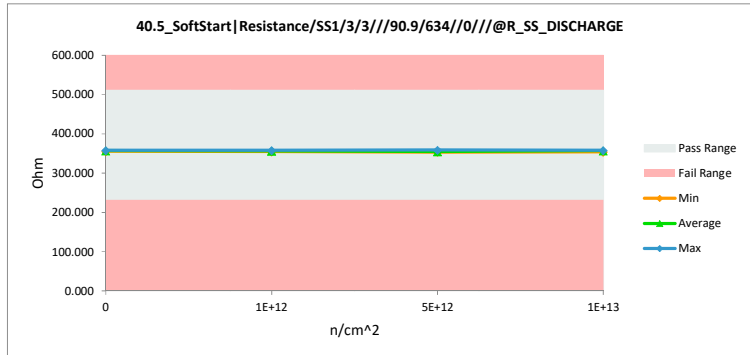


NDD Report
TPS7H4104-SP

40.5_SoftStart Resistance/SS1/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit		Ohm		Ohm
Max Limit		513		511
Min Limit		230		232
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	360.034	358.329	-1.705
0	2	357.100	357.815	0.715
0	3	361.345	355.815	-5.530
1E+12	10	359.345	358.344	-1.001
1E+12	11	356.179	355.556	-0.623
1E+12	12	355.575	354.842	-0.733
1E+12	13	358.332	357.961	-0.372
5E+12	14	359.073	359.053	-0.020
5E+12	15	355.494	354.426	-1.067
5E+12	16	354.828	354.233	-0.595
5E+12	17	354.314	353.761	-0.554
1E+13	18	359.987	358.221	-1.766
1E+13	19	360.524	358.452	-2.072
1E+13	20	357.900	354.537	-3.363
1E+13	21	357.955	357.035	-0.920
	Max	361.345	359.053	0.715
	Average	357.866	356.559	-1.307
	Min	354.314	353.761	-0.554
	Std Dev	2.210	1.872	1.507

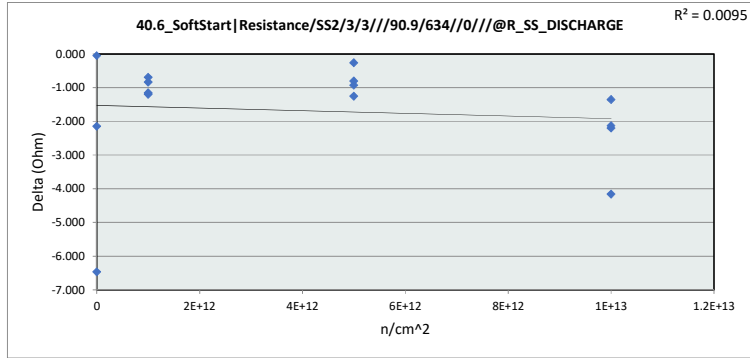


40.5_SoftStart Resistance/SS1/3/				
Test Site				
Tester				
Test Number				
Max Limit		511		Ohm
Min Limit		232		Ohm
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	355.815	354.842	353.761	354.537
Average	357.320	356.676	355.368	357.061
Max	358.329	358.344	359.053	358.452
UL	511.000	511.000	511.000	511.000

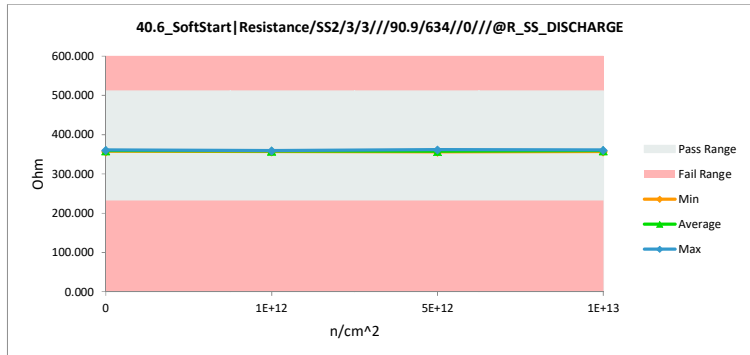


NDD Report
TPS7H4104-SP

40.6_SoftStart Resistance/SS2/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	362.912	360.780	-2.132
0	2	360.430	360.392	-0.038
0	3	363.863	357.411	-6.452
1E+12	10	360.723	359.582	-1.141
1E+12	11	359.844	358.661	-1.183
1E+12	12	357.862	357.040	-0.822
1E+12	13	360.371	359.691	-0.680
5E+12	14	362.165	361.919	-0.246
5E+12	15	357.829	356.590	-1.239
5E+12	16	356.894	356.104	-0.790
5E+12	17	356.763	355.852	-0.911
1E+13	18	362.586	360.472	-2.114
1E+13	19	362.496	360.309	-2.187
1E+13	20	361.270	357.125	-4.145
1E+13	21	361.347	360.007	-1.340
	Max	363.863	361.919	-0.038
	Average	360.490	358.796	-1.695
	Min	356.763	355.852	-6.452
	Std Dev	2.254	1.942	1.652

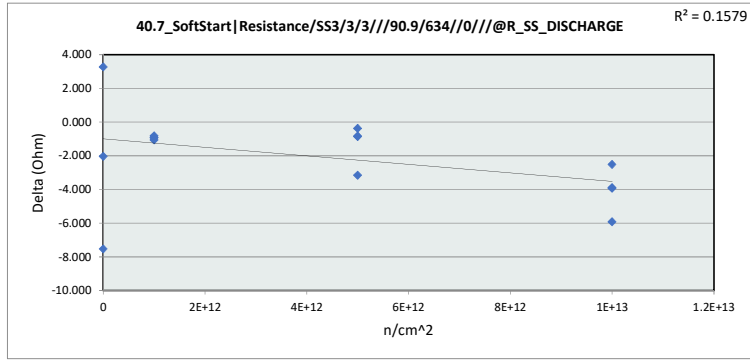


40.6_SoftStart Resistance/SS2/3/				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	357.412	357.040	355.852	357.125
Average	359.528	358.743	357.616	359.478
Max	360.780	359.691	361.919	360.472
UL	511.000	511.000	511.000	511.000

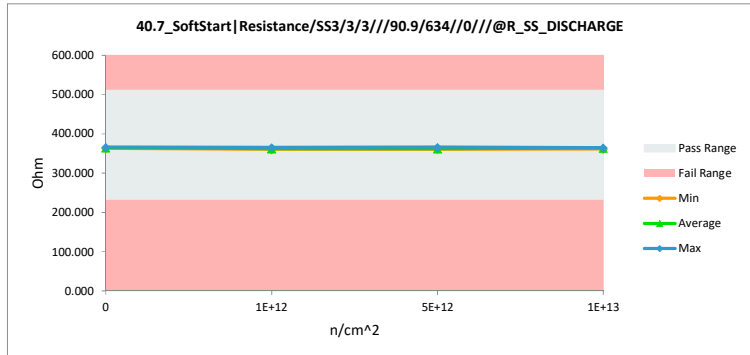


NDD Report
TPS7H4104-SP

40.7_SoftStart Resistance/SS3/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	367.774	365.768	-2.006
0	2	362.590	365.888	3.298
0	3	370.520	363.018	-7.502
1E+12	10	363.957	362.930	-1.027
1E+12	11	363.277	362.374	-0.903
1E+12	12	361.175	360.382	-0.793
1E+12	13	366.395	365.494	-0.900
5E+12	14	366.666	366.321	-0.345
5E+12	15	364.965	361.836	-3.129
5E+12	16	362.099	361.299	-0.800
5E+12	17	361.754	360.914	-0.839
1E+13	18	368.952	365.047	-3.905
1E+13	19	368.075	364.208	-3.866
1E+13	20	367.512	361.617	-5.895
1E+13	21	367.551	365.062	-2.488
Max		370.520	366.321	3.298
Average		365.551	363.477	-2.073
Min		361.175	360.382	-0.793
Std Dev		2.924	2.027	2.569

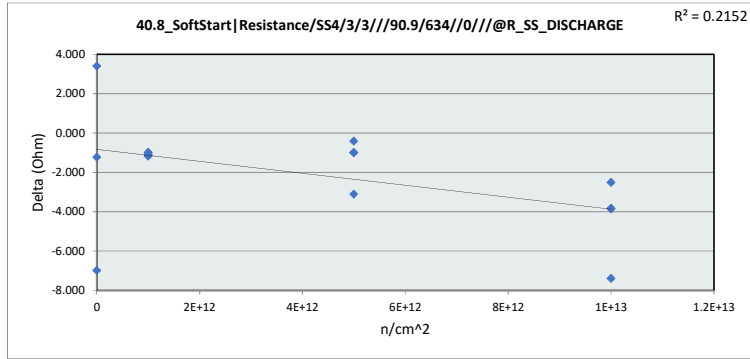


40.7_SoftStart Resistance/SS3/3/3///90.9/634//0///@R_SS_DISCHARGE				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	363.018	360.382	360.915	361.617
Average	364.891	362.795	362.592	363.984
Max	365.888	365.494	366.321	365.062
UL	511.000	511.000	511.000	511.000

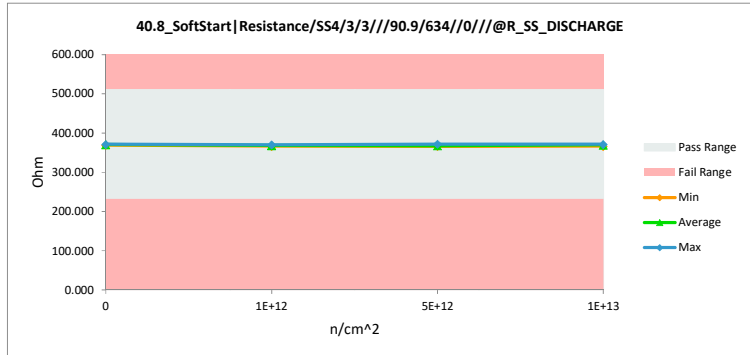


NDD Report
TPS7H4104-SP

40.8_SoftStart Resistance/SS4/3/3///90.9/634				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	372.475	371.276	-1.199
0	2	368.159	371.587	3.428
0	3	376.128	369.166	-6.962
1E+12	10	369.710	368.553	-1.157
1E+12	11	369.652	368.561	-1.091
1E+12	12	367.554	366.566	-0.989
1E+12	13	371.434	370.480	-0.954
5E+12	14	372.499	372.103	-0.396
5E+12	15	369.358	366.266	-3.091
5E+12	16	368.308	367.330	-0.977
5E+12	17	367.527	366.562	-0.965
1E+13	18	374.426	370.598	-3.828
1E+13	19	373.743	369.937	-3.807
1E+13	20	373.992	366.622	-7.371
1E+13	21	374.036	371.547	-2.490
Max		376.128	372.103	3.428
Average		371.267	369.144	-2.123
Min		367.527	366.266	-7.371
Std Dev		2.837	2.096	2.669

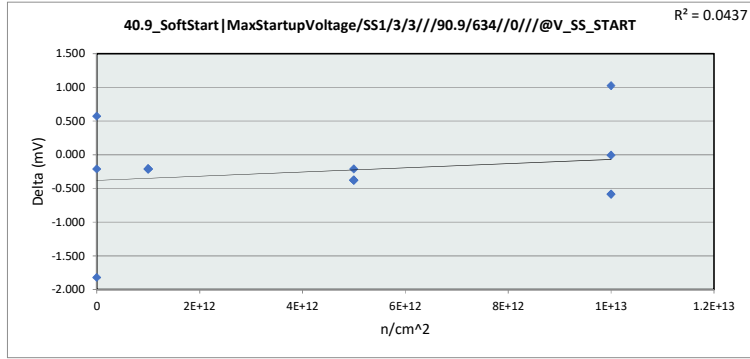


40.8_SoftStart Resistance/SS4/3/3///90.9/634//0///@R_SS_DISCHARGE				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	369.166	366.566	366.266	366.622
Average	370.676	368.540	368.065	369.676
Max	371.587	370.480	372.103	371.547
UL	511.000	511.000	511.000	511.000

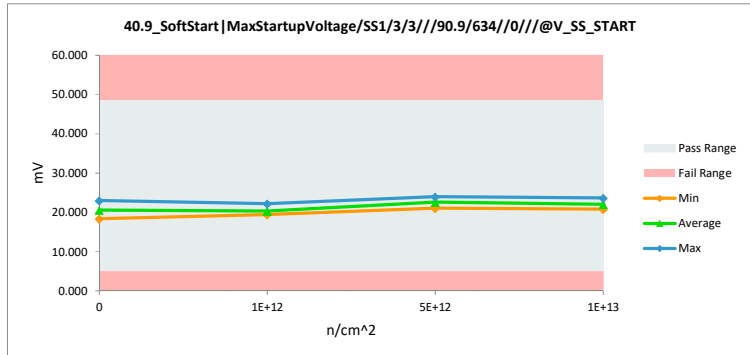


NDD Report
TPS7H4104-SP

40.9_SoftStart MaxStartupVoltage/SS1/3/3//9				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
n/cm ²	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	20.218	18.405	-1.814
0	2	22.444	23.021	0.577
0	3	20.424	20.218	-0.206
1E+12	10	22.444	22.238	-0.206
1E+12	11	20.218	20.012	-0.206
1E+12	12	20.012	19.806	-0.206
1E+12	13	19.641	19.435	-0.206
5E+12	14	21.414	21.043	-0.371
5E+12	15	23.227	22.856	-0.371
5E+12	16	23.021	22.650	-0.371
5E+12	17	24.217	24.010	-0.206
1E+13	18	21.414	20.837	-0.577
1E+13	19	24.217	23.639	-0.577
1E+13	20	21.414	22.444	1.030
1E+13	21	21.414	21.414	0.000
Max		24.217	24.010	1.030
Average		21.716	21.469	-0.247
Min		19.641	18.405	-1.814
Std Dev		1.495	1.669	0.604

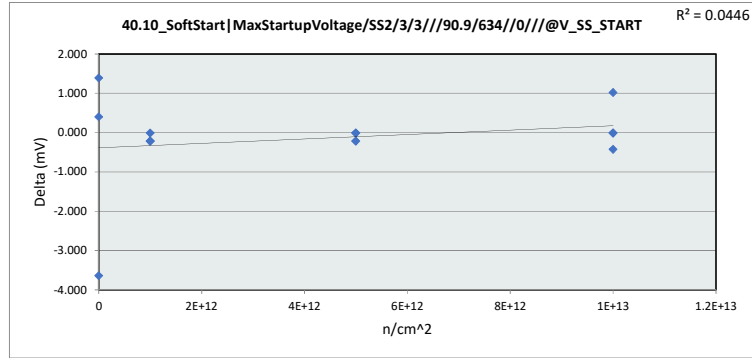


40.9_SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Max Limit		48.5	mV	
Min Limit		5	mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	18.405	19.435	21.043	20.837
Average	20.548	20.373	22.640	22.083
Max	23.021	22.238	24.011	23.640
UL	48.500	48.500	48.500	48.500

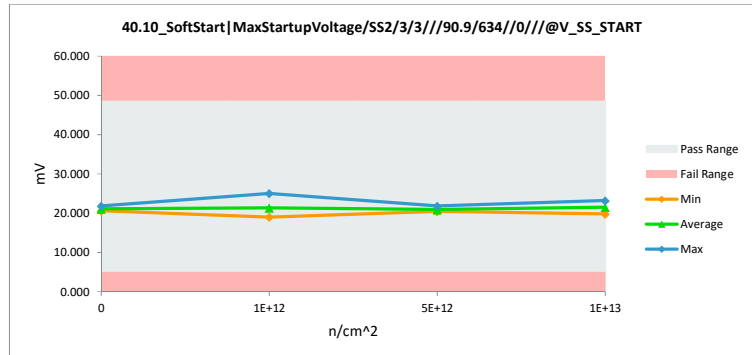


NDD Report
TPS7H4104-SP

40.10_SoftStart MaxStartupVoltage/SS2/3/3///				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
n/cm ²	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	19.435	20.837	1.401
0	2	25.453	21.826	-3.627
0	3	20.218	20.631	0.412
1E+12	10	25.247	25.041	-0.206
1E+12	11	21.826	21.620	-0.206
1E+12	12	19.641	19.641	0.000
1E+12	13	19.229	19.023	-0.206
5E+12	14	20.631	20.424	-0.206
5E+12	15	20.837	20.631	-0.206
5E+12	16	21.826	21.826	0.000
5E+12	17	20.837	20.837	0.000
1E+13	18	21.620	21.620	0.000
1E+13	19	23.227	23.227	0.000
1E+13	20	20.218	21.249	1.031
1E+13	21	20.218	19.806	-0.412
	Max	25.453	25.041	1.401
	Average	21.364	21.216	-0.148
	Min	19.229	19.023	-3.627
	Std Dev	1.928	1.479	1.083

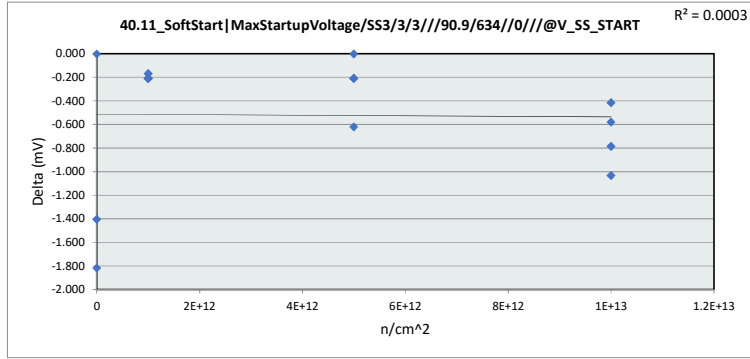


40.10_SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Max Limit		48.5	mV	
Min Limit		5	mV	
n/cm ²	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	20.631	19.023	20.424	19.806
Average	21.098	21.331	20.929	21.475
Max	21.826	25.041	21.826	23.227
UL	48.500	48.500	48.500	48.500

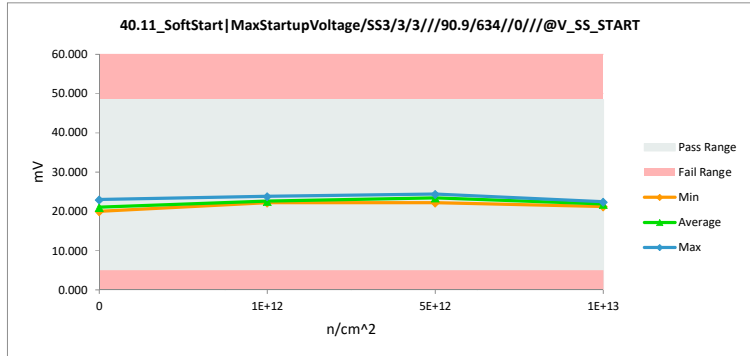


NDD Report
TPS7H4104-SP

40.11_SoftStart MaxStartupVoltage/SS3/3/3///				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	23.021	23.021	0.000
0	2	21.826	20.012	-1.814
0	3	21.620	20.218	-1.401
1E+12	10	22.444	22.238	-0.206
1E+12	11	22.444	22.238	-0.206
1E+12	12	22.444	22.238	-0.206
1E+12	13	24.010	23.846	-0.165
5E+12	14	22.238	22.238	0.000
5E+12	15	24.629	24.010	-0.618
5E+12	16	23.433	23.227	-0.206
5E+12	17	24.629	24.423	-0.206
1E+13	18	22.444	21.414	-1.030
1E+13	19	22.032	21.249	-0.783
1E+13	20	22.856	22.444	-0.412
1E+13	21	23.021	22.444	-0.577
Max		24.629	24.423	0.000
Average		22.873	22.351	-0.522
Min		21.620	20.012	-1.814
Std Dev		0.939	1.273	0.532

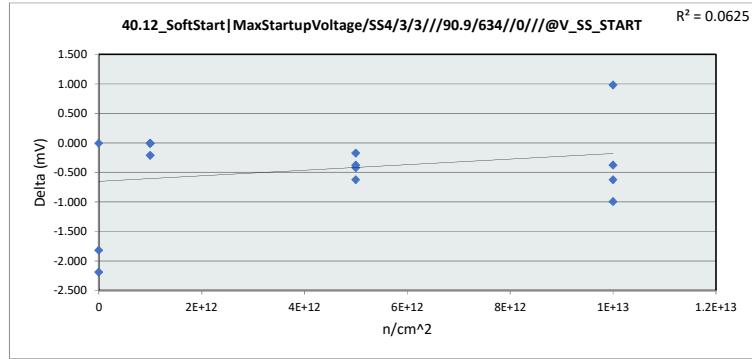


40.11_SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Max Limit		48.5	mV	
Min Limit		5	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	20.012	22.238	22.238	21.249
Average	21.084	22.640	23.475	21.888
Max	23.021	23.846	24.423	22.444
UL	48.500	48.500	48.500	48.500

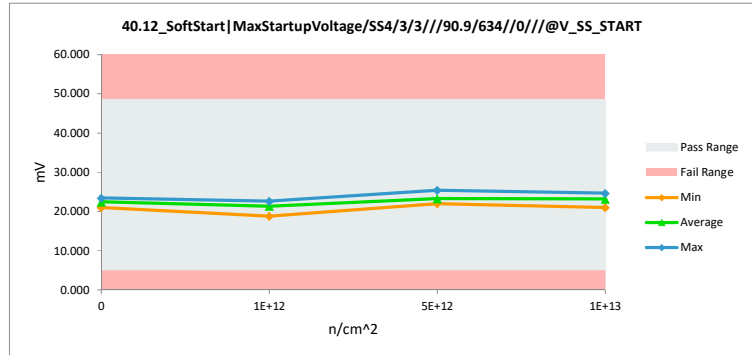


NDD Report
TPS7H4104-SP

40.12_SoftStart MaxStartupVoltage/SS4/3/3///				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	23.433	23.433	0.000
0	2	22.856	21.043	-1.814
0	3	25.041	22.856	-2.185
1E+12	10	21.826	21.826	0.000
1E+12	11	22.650	22.650	0.000
1E+12	12	19.023	18.817	-0.206
1E+12	13	22.238	22.238	0.000
5E+12	14	25.618	25.453	-0.165
5E+12	15	23.639	23.021	-0.618
5E+12	16	22.444	22.032	-0.412
5E+12	17	23.021	22.650	-0.371
1E+13	18	22.032	21.043	-0.989
1E+13	19	25.247	24.629	-0.618
1E+13	20	23.227	24.217	0.989
1E+13	21	23.227	22.856	-0.371
Max		25.618	25.453	0.989
Average		23.035	22.584	-0.451
Min		19.023	18.817	-2.185
Std Dev		1.602	1.606	0.768

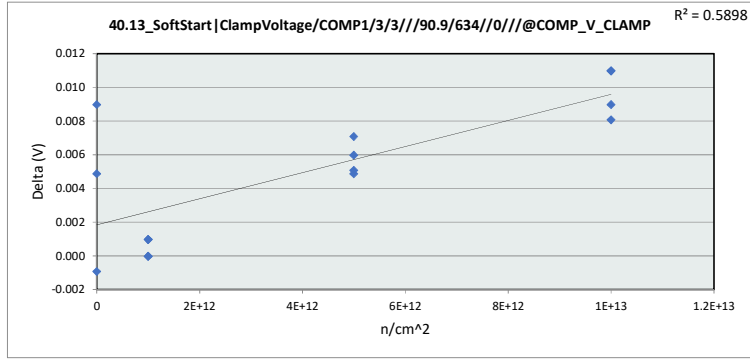


40.12_SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Max Limit		48.5	mV	
Min Limit		5	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	21.043	18.817	22.032	21.043
Average	22.444	21.383	23.289	23.186
Max	23.433	22.650	25.453	24.629
UL	48.500	48.500	48.500	48.500

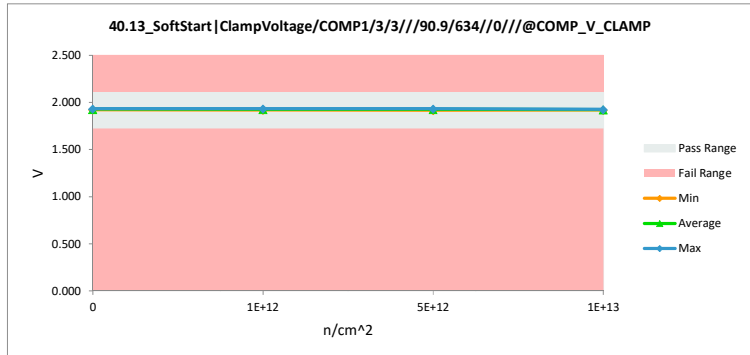


NDD Report
TPS7H4104-SP

40.13_SoftStart ClampVoltage/COMP1/3/3//9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.926	1.926	-0.001
0	2	1.923	1.933	0.009
0	3	1.926	1.931	0.005
1E+12	10	1.921	1.921	0.000
1E+12	11	1.935	1.936	0.001
1E+12	12	1.919	1.921	0.001
1E+12	13	1.931	1.931	0.000
5E+12	14	1.913	1.918	0.006
5E+12	15	1.929	1.934	0.005
5E+12	16	1.926	1.931	0.005
5E+12	17	1.918	1.925	0.007
1E+13	18	1.911	1.921	0.011
1E+13	19	1.916	1.928	0.011
1E+13	20	1.918	1.926	0.008
1E+13	21	1.918	1.928	0.009
Max		1.935	1.936	0.011
Average		1.922	1.927	0.005
Min		1.911	1.918	-0.001
Std Dev		0.007	0.005	0.004

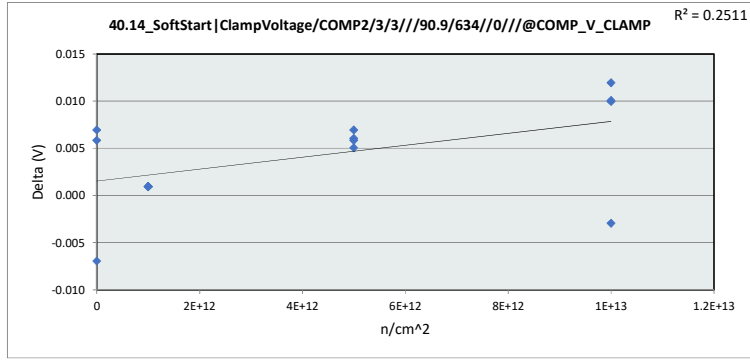


40.13_SoftStart ClampVoltage/CO				
Test Site				
Tester				
Test Number				
Max Limit	2.105	V		
Min Limit	1.725	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.926	1.921	1.919	1.922
Average	1.930	1.927	1.927	1.926
Max	1.933	1.936	1.934	1.928
UL	2.105	2.105	2.105	2.105

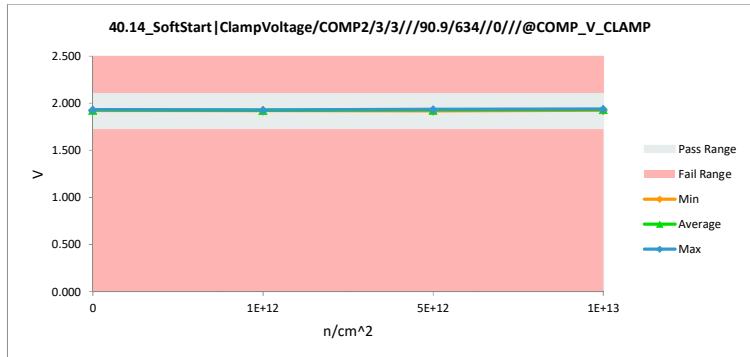


NDD Report
TPS7H4104-SP

40.14_SoftStart ClampVoltage/COMP2/3/3//9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.931	1.925	-0.007
0	2	1.921	1.928	0.007
0	3	1.926	1.931	0.006
1E+12	10	1.926	1.928	0.001
1E+12	11	1.923	1.923	0.001
1E+12	12	1.929	1.929	0.001
1E+12	13	1.921	1.921	0.001
5E+12	14	1.914	1.919	0.006
5E+12	15	1.931	1.936	0.005
5E+12	16	1.928	1.934	0.006
5E+12	17	1.919	1.926	0.007
1E+13	18	1.926	1.936	0.010
1E+13	19	1.926	1.939	0.012
1E+13	20	1.928	1.925	-0.003
1E+13	21	1.928	1.938	0.010
	Max	1.931	1.939	0.012
	Average	1.925	1.929	0.004
	Min	1.914	1.919	-0.007
	Std Dev	0.005	0.006	0.005

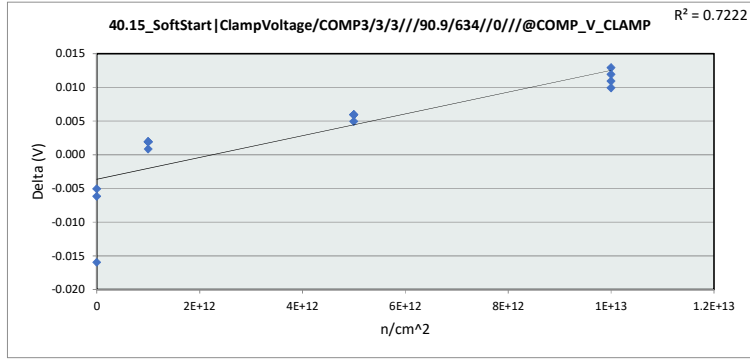


40.14_SoftStart ClampVoltage/CO				
Test Site				
Tester				
Test Number				
Max Limit	2.105	V		
Min Limit	1.725	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.925	1.922	1.920	1.925
Average	1.928	1.926	1.929	1.934
Max	1.932	1.930	1.936	1.939
UL	2.105	2.105	2.105	2.105

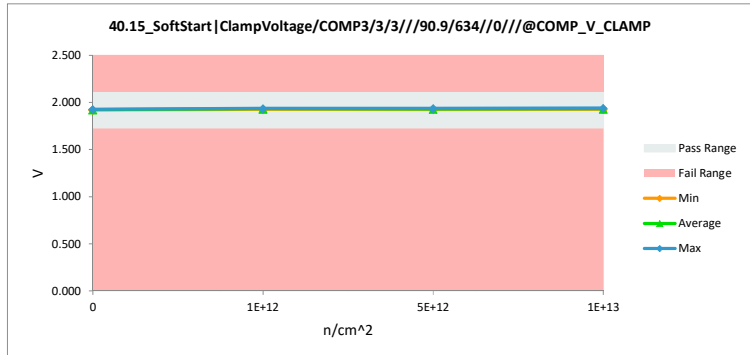


NDD Report
TPS7H4104-SP

40.15_SoftStart ClampVoltage/COMP3/3/3//9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.941	1.926	-0.016
0	2	1.926	1.921	-0.005
0	3	1.935	1.929	-0.006
1E+12	10	1.926	1.926	0.001
1E+12	11	1.936	1.938	0.002
1E+12	12	1.934	1.936	0.002
1E+12	13	1.931	1.933	0.002
5E+12	14	1.923	1.929	0.005
5E+12	15	1.933	1.939	0.006
5E+12	16	1.921	1.928	0.006
5E+12	17	1.923	1.929	0.006
1E+13	18	1.918	1.931	0.013
1E+13	19	1.929	1.941	0.012
1E+13	20	1.918	1.929	0.011
1E+13	21	1.918	1.929	0.010
	Max	1.941	1.941	0.013
	Average	1.927	1.931	0.003
	Min	1.918	1.921	-0.016
	Std Dev	0.007	0.005	0.008

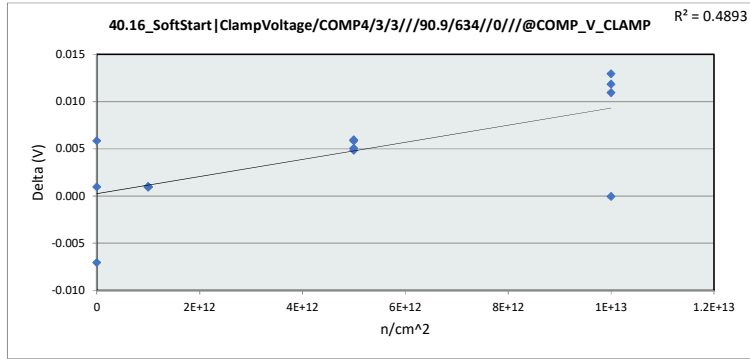


40.15_SoftStart ClampVoltage/CO				
Test Site				
Tester				
Test Number				
Max Limit	2.105	V		
Min Limit	1.725	V		
n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.922	1.927	1.928	1.929
Average	1.925	1.933	1.931	1.932
Max	1.929	1.938	1.939	1.941
UL	2.105	2.105	2.105	2.105

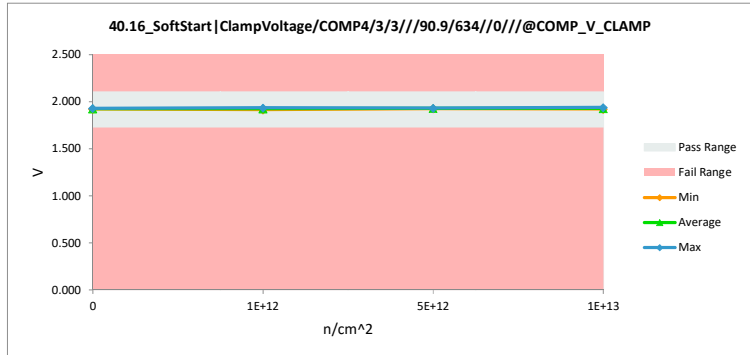


NDD Report
TPS7H4104-SP

40.16_SoftStart ClampVoltage/COMP4/3/3//9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.926	1.928	0.001
0	2	1.925	1.931	0.006
0	3	1.931	1.923	-0.007
1E+12	10	1.914	1.915	0.001
1E+12	11	1.934	1.935	0.001
1E+12	12	1.929	1.931	0.001
1E+12	13	1.925	1.926	0.001
5E+12	14	1.921	1.926	0.006
5E+12	15	1.929	1.934	0.005
5E+12	16	1.926	1.931	0.006
5E+12	17	1.925	1.929	0.005
1E+13	18	1.910	1.923	0.013
1E+13	19	1.915	1.926	0.012
1E+13	20	1.928	1.928	0.000
1E+13	21	1.928	1.939	0.011
Max		1.934	1.939	0.013
Average		1.924	1.928	0.004
Min		1.910	1.915	-0.007
Std Dev		0.007	0.006	0.005



40.16_SoftStart ClampVoltage/CO				
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	1.924	1.915	1.927	1.923
Average	1.927	1.926	1.930	1.929
Max	1.931	1.935	1.934	1.939
UL	2.105	2.105	2.105	2.105

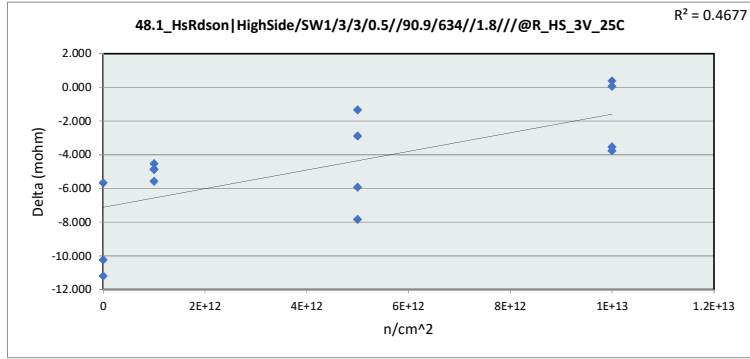


NDD Report TPS7H4104-SP

48.1_HsRdson|HighSide/SW1/3/3/0.5//90.9/634//1.8///@R_HS_3V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	88	84
Min Limit	30	39

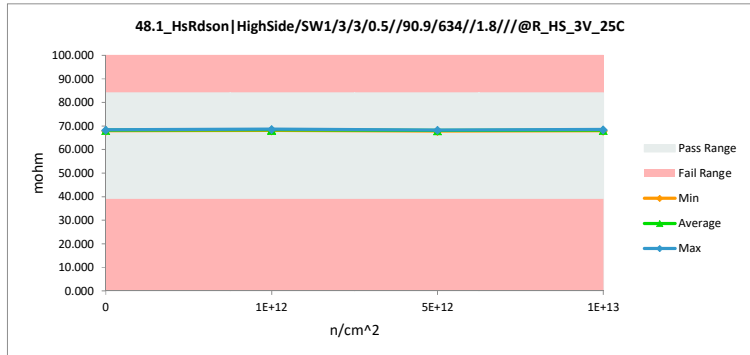
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	79.533	68.362	-11.171
0	2	74.003	68.367	-5.636
0	3	78.265	68.054	-10.210
1E+12	10	73.141	68.644	-4.497
1E+12	11	73.316	68.478	-4.839
1E+12	12	73.000	68.171	-4.829
1E+12	13	73.695	68.142	-5.553
5E+12	14	69.621	68.311	-1.310
5E+12	15	70.984	68.123	-2.861
5E+12	16	73.762	67.861	-5.902
5E+12	17	75.968	68.158	-7.811
1E+13	18	71.899	68.157	-3.742
1E+13	19	71.553	68.039	-3.513
1E+13	20	68.289	68.365	0.076
1E+13	21	68.088	68.498	0.410
	Max	79.533	68.644	0.410
	Average	73.008	68.249	-4.759
	Min	68.088	67.861	-11.171
	Std Dev	3.235	0.206	3.285



48.1_HsRdson|HighSide/SW1/3/3

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	68.054	68.142	67.861	68.039
Average	68.261	68.359	68.113	68.265
Max	68.367	68.644	68.311	68.498
UL	84.000	84.000	84.000	84.000

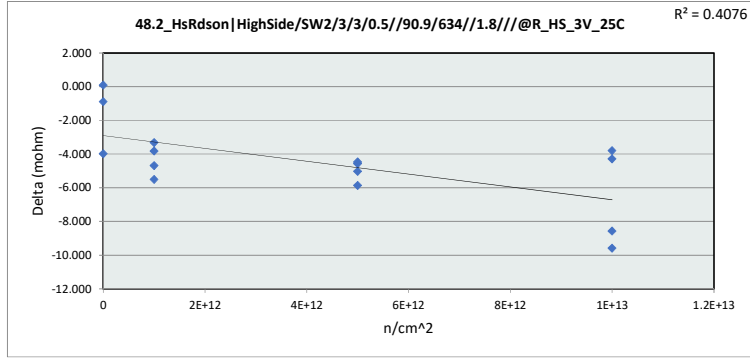


NDD Report
TPS7H4104-SP

48.2_HsRdson|HighSide/SW2/3/3/0.5//90.9/634//1.8///@R_HS_3V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	88	84
Min Limit	30	39

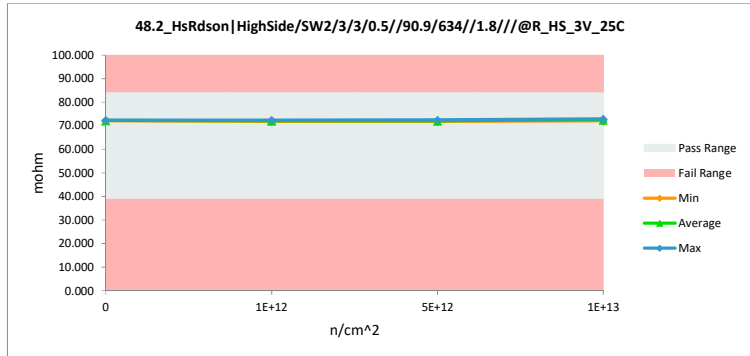
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	72.030	72.149	0.119
0	2	76.343	72.390	-3.953
0	3	73.089	72.229	-0.860
1E+12	10	77.360	71.884	-5.476
1E+12	11	76.033	72.236	-3.797
1E+12	12	76.651	71.994	-4.657
1E+12	13	75.748	72.453	-3.296
5E+12	14	77.963	72.128	-5.835
5E+12	15	77.056	72.513	-4.543
5E+12	16	76.462	72.016	-4.447
5E+12	17	76.890	71.883	-5.007
1E+13	18	82.314	72.754	-9.560
1E+13	19	81.446	72.896	-8.549
1E+13	20	76.335	72.079	-4.255
1E+13	21	76.196	72.425	-3.771
	Max	82.314	72.896	0.119
	Average	76.794	72.269	-4.526
	Min	72.030	71.883	-9.560
	Std Dev	2.576	0.301	2.426



48.2_HsRdson|HighSide/SW2/3/3

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	72.149	71.884	71.883	72.079
Average	72.256	72.141	72.135	72.539
Max	72.390	72.453	72.513	72.896
UL	84.000	84.000	84.000	84.000

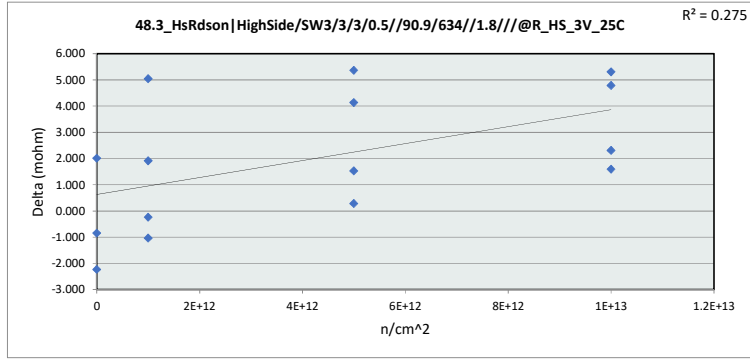


NDD Report
TPS7H4104-SP

48.3_HsRdson|HighSide/SW3/3/3/0.5//90.9/634//1.8///@R_HS_3V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	88	84
Min Limit	30	39

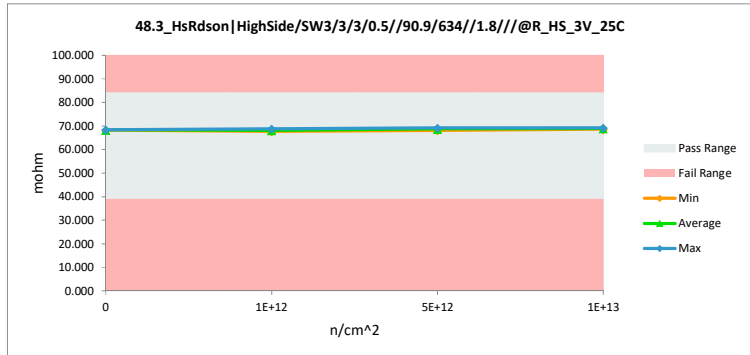
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	69.128	68.295	-0.833
0	2	66.336	68.363	2.028
0	3	70.602	68.388	-2.213
1E+12	10	69.845	68.825	-1.021
1E+12	11	66.021	67.949	1.928
1E+12	12	62.741	67.797	5.057
1E+12	13	68.330	68.103	-0.227
5E+12	14	66.982	68.527	1.545
5E+12	15	64.790	68.936	4.146
5E+12	16	63.895	69.276	5.381
5E+12	17	67.861	68.155	0.294
1E+13	18	63.482	68.806	5.323
1E+13	19	64.214	69.014	4.799
1E+13	20	67.013	68.623	1.611
1E+13	21	66.894	69.220	2.326
	Max	70.602	69.276	5.381
	Average	66.542	68.552	2.010
	Min	62.741	67.797	-2.213
	Std Dev	2.378	0.455	2.500



48.3_HsRdson|HighSide/SW3/3/3

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	68.295	67.797	68.155	68.624
Average	68.349	68.169	68.724	68.916
Max	68.389	68.825	69.276	69.220
UL	84.000	84.000	84.000	84.000

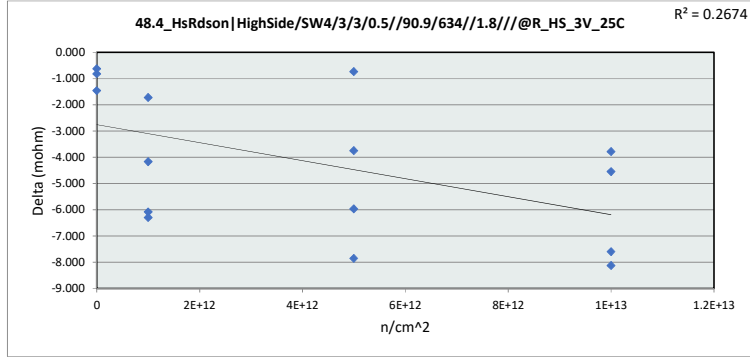


NDD Report
TPS7H4104-SP

48.4_HsRdson|HighSide/SW4/3/3/0.5//90.9/634//1.8///@R_HS_3V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	88	84
Min Limit	30	39

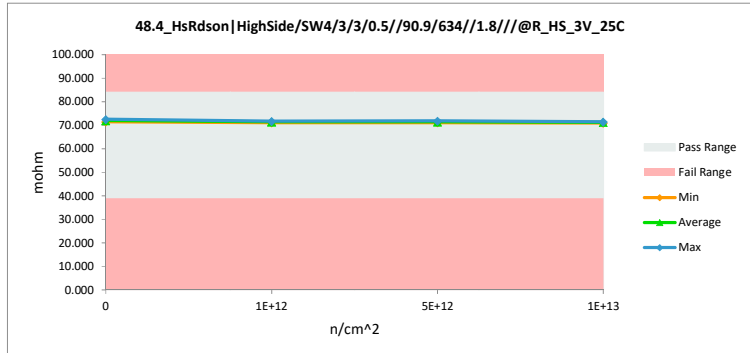
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	73.517	72.075	-1.442
0	2	73.140	72.537	-0.604
0	3	72.296	71.496	-0.800
1E+12	10	73.377	71.676	-1.700
1E+12	11	75.306	71.154	-4.152
1E+12	12	77.419	71.135	-6.284
1E+12	13	77.723	71.654	-6.069
5E+12	14	77.072	71.122	-5.950
5E+12	15	79.697	71.853	-7.844
5E+12	16	75.178	71.448	-3.730
5E+12	17	71.910	71.195	-0.716
1E+13	18	75.134	71.367	-3.767
1E+13	19	75.987	71.456	-4.532
1E+13	20	79.030	70.919	-8.111
1E+13	21	78.894	71.305	-7.588
	Max	79.697	72.537	-0.604
	Average	75.712	71.493	-4.219
	Min	71.910	70.919	-8.111
	Std Dev	2.531	0.420	2.699



48.4_HsRdson|HighSide/SW4/3/3

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	71.496	71.135	71.122	70.919
Average	72.036	71.405	71.404	71.262
Max	72.537	71.677	71.853	71.456
UL	84.000	84.000	84.000	84.000

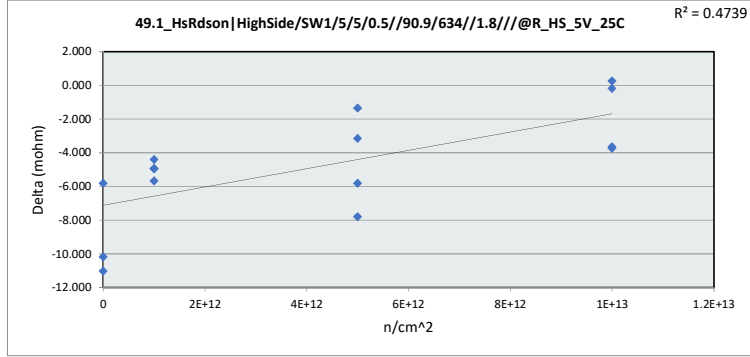


NDD Report
TPS7H4104-SP

49.1_HsRdson|HighSide/SW1/5/5/0.5//90.9/634//1.8///@R_HS_5V_25C

Test Site	
Tester	
Test Number	
Unit	mohm mohm
Max Limit	80 76
Min Limit	22 31

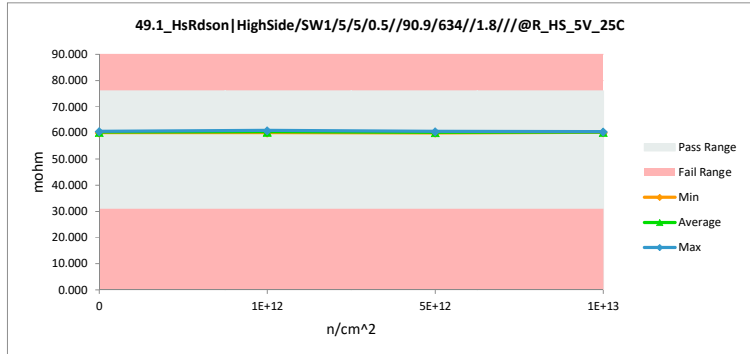
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	71.373	60.380	-10.992
0	2	66.401	60.609	-5.792
0	3	70.289	60.135	-10.154
1E+12	10	65.279	60.899	-4.381
1E+12	11	65.354	60.433	-4.921
1E+12	12	65.004	60.095	-4.909
1E+12	13	65.887	60.244	-5.642
5E+12	14	61.853	60.527	-1.326
5E+12	15	63.215	60.090	-3.125
5E+12	16	65.817	60.031	-5.786
5E+12	17	67.979	60.212	-7.767
1E+13	18	64.109	60.490	-3.620
1E+13	19	63.954	60.256	-3.699
1E+13	20	60.358	60.194	-0.164
1E+13	21	60.197	60.484	0.286
Max		71.373	60.899	0.286
Average		65.138	60.338	-4.799
Min		60.197	60.031	-10.992
Std Dev		3.167	0.237	3.202



49.1_HsRdson|HighSide/SW1/5/5

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	60.135	60.095	60.031	60.194
Average	60.375	60.418	60.215	60.356
Max	60.609	60.899	60.527	60.490
UL	76.000	76.000	76.000	76.000

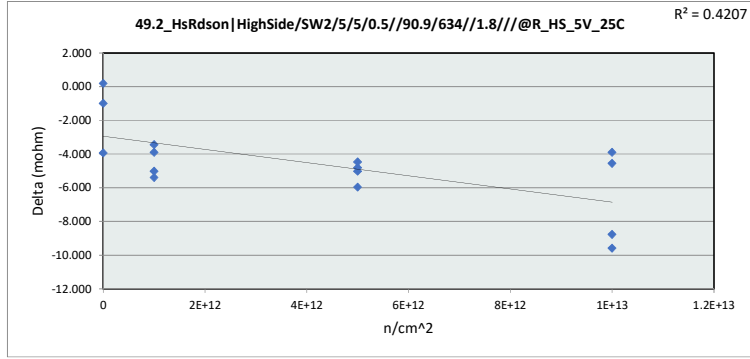


NDD Report
TPS7H4104-SP

49.2_HsRdson|HighSide/SW2/5/5/0.5//90.9/634//1.8///@R_HS_5V_25C

Test Site	
Tester	
Test Number	
Unit	mohm mohm
Max Limit	80 76
Min Limit	22 31

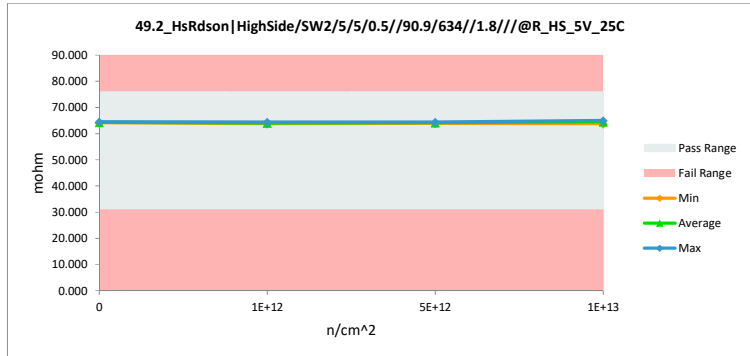
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	63.924	64.139	0.215
0	2	68.448	64.539	-3.909
0	3	65.119	64.158	-0.962
1E+12	10	69.440	64.070	-5.370
1E+12	11	68.014	64.136	-3.878
1E+12	12	68.765	63.780	-4.985
1E+12	13	67.897	64.477	-3.421
5E+12	14	70.169	64.236	-5.933
5E+12	15	69.222	64.435	-4.787
5E+12	16	68.624	64.177	-4.447
5E+12	17	68.925	63.936	-4.989
1E+13	18	74.456	64.893	-9.564
1E+13	19	73.748	65.010	-8.738
1E+13	20	68.388	63.871	-4.517
1E+13	21	68.287	64.418	-3.869
	Max	74.456	65.010	0.215
	Average	68.895	64.285	-4.610
	Min	63.924	63.780	-9.564
	Std Dev	2.648	0.349	2.447



49.2_HsRdson|HighSide/SW2/5/5

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	64.139	63.780	63.936	63.871
Average	64.278	64.116	64.196	64.548
Max	64.539	64.477	64.435	65.010
UL	76.000	76.000	76.000	76.000

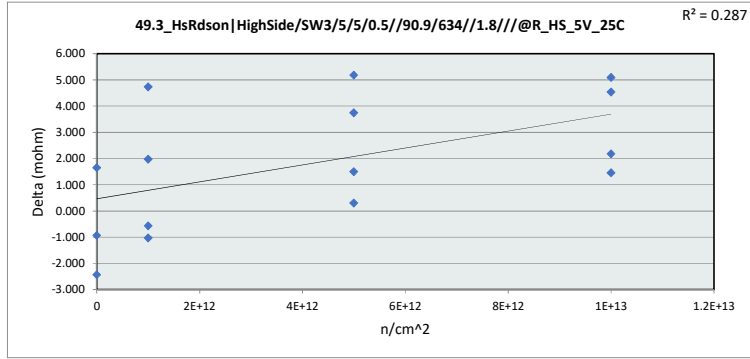


NDD Report
TPS7H4104-SP

49.3_HsRdson|HighSide/SW3/5/5/0.5//90.9/634//1.8///@R_HS_5V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	80	76
Min Limit	22	31

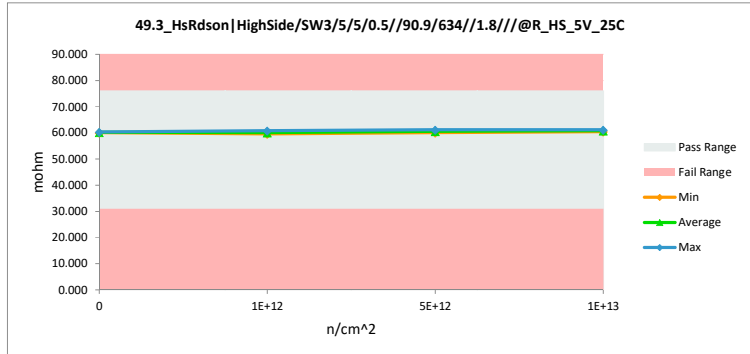
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	60.948	60.029	-0.919
0	2	58.647	60.314	1.668
0	3	62.569	60.151	-2.418
1E+12	10	61.894	60.882	-1.013
1E+12	11	57.965	59.956	1.991
1E+12	12	54.846	59.594	4.748
1E+12	13	60.490	59.938	-0.552
5E+12	14	59.131	60.644	1.512
5E+12	15	56.990	60.752	3.762
5E+12	16	55.967	61.162	5.195
5E+12	17	59.714	60.033	0.319
1E+13	18	55.638	60.743	5.105
1E+13	19	56.487	61.037	4.551
1E+13	20	59.035	60.505	1.471
1E+13	21	58.960	61.153	2.194
	Max	62.569	61.162	5.195
	Average	58.619	60.460	1.841
	Min	54.846	59.594	-2.418
	Std Dev	2.311	0.496	2.446



49.3_HsRdson|HighSide/SW3/5/5

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	60.029	59.594	60.033	60.505
Average	60.165	60.092	60.647	60.860
Max	60.315	60.882	61.162	61.153
UL	76.000	76.000	76.000	76.000

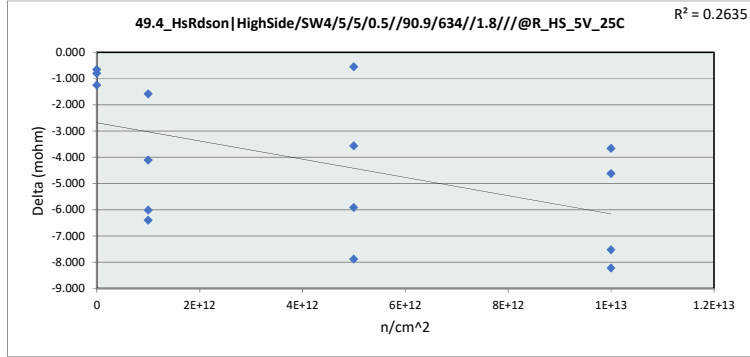


NDD Report TPS7H4104-SP

49.4_HsRdson|HighSide/SW4/5/5/0.5//90.9/634

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	80	76
Min Limit	22	31

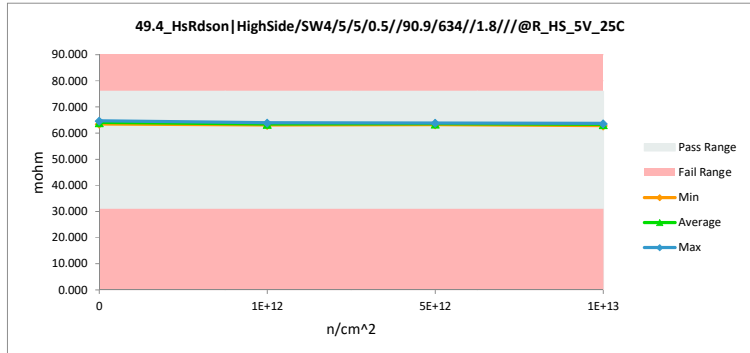
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	65.381	64.154	-1.228
0	2	65.285	64.652	-0.633
0	3	64.273	63.495	-0.778
1E+12	10	65.526	63.958	-1.568
1E+12	11	67.281	63.187	-4.094
1E+12	12	69.429	63.048	-6.382
1E+12	13	69.773	63.771	-6.002
5E+12	14	69.194	63.295	-5.899
5E+12	15	71.723	63.848	-7.875
5E+12	16	67.185	63.639	-3.546
5E+12	17	63.866	63.333	-0.533
1E+13	18	67.179	63.534	-3.645
1E+13	19	68.263	63.661	-4.602
1E+13	20	71.012	62.806	-8.207
1E+13	21	70.945	63.432	-7.514
Max		71.723	64.652	-0.533
Average		67.754	63.587	-4.167
Min		63.866	62.806	-8.207
Std Dev		2.544	0.459	2.751



49.4_HsRdson|HighSide/SW4/5/5

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	63.495	63.048	63.295	62.806
Average	64.100	63.491	63.529	63.358
Max	64.652	63.958	63.848	63.661
UL	76.000	76.000	76.000	76.000

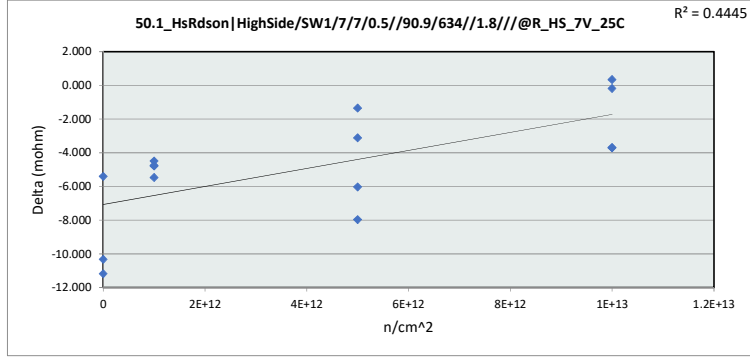


NDD Report
TPS7H4104-SP

50.1_HsRdson|HighSide/SW1/7/7/0.5//90.9/634//1.8///@R_HS_7V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	76	72
Min Limit	19.2	28

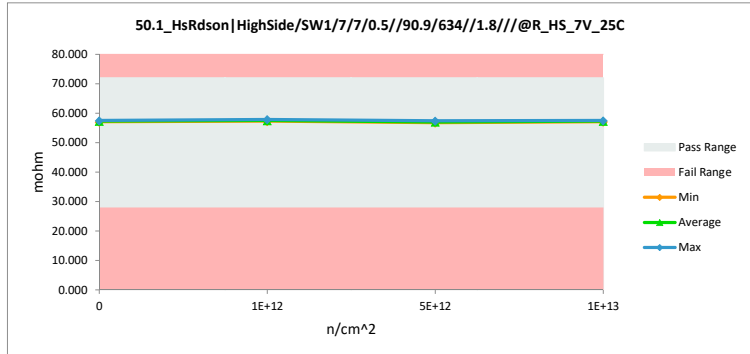
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	68.599	57.444	-11.155
0	2	62.953	57.571	-5.382
0	3	67.417	57.114	-10.303
1E+12	10	62.387	57.916	-4.471
1E+12	11	62.286	57.521	-4.765
1E+12	12	62.015	57.288	-4.728
1E+12	13	62.860	57.407	-5.453
5E+12	14	58.798	57.479	-1.319
5E+12	15	60.021	56.926	-3.094
5E+12	16	62.840	56.834	-6.006
5E+12	17	64.952	57.013	-7.939
1E+13	18	61.109	57.444	-3.665
1E+13	19	60.984	57.302	-3.682
1E+13	20	57.318	57.153	-0.165
1E+13	21	57.162	57.521	0.359
Max		68.599	57.916	0.359
Average		62.113	57.329	-4.785
Min		57.162	56.834	-11.155
Std Dev		3.222	0.283	3.257



50.1_HsRdson|HighSide/SW1/7/7

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	57.114	57.288	56.834	57.153
Average	57.376	57.533	57.063	57.355
Max	57.571	57.916	57.479	57.521
UL	72.000	72.000	72.000	72.000

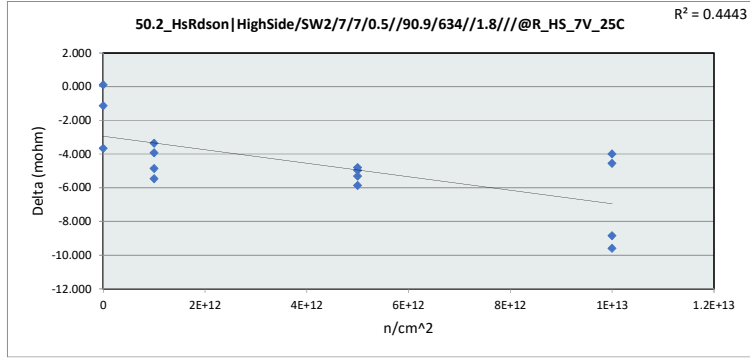


NDD Report
TPS7H4104-SP

50.2_HsRdson|HighSide/SW2/7/7/0.5//90.9/634//1.8///@R_HS_7V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	76	72
Min Limit	19.2	28

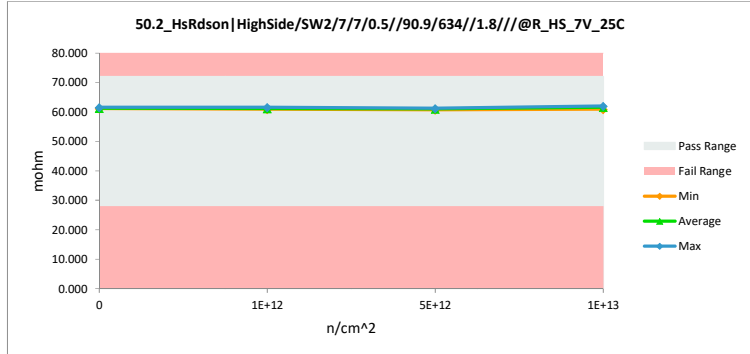
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	61.071	61.215	0.144
0	2	65.224	61.586	-3.637
0	3	62.292	61.191	-1.102
1E+12	10	66.554	61.122	-5.432
1E+12	11	64.979	61.079	-3.900
1E+12	12	65.798	60.965	-4.833
1E+12	13	64.965	61.635	-3.331
5E+12	14	67.125	61.293	-5.833
5E+12	15	66.166	61.238	-4.928
5E+12	16	65.734	60.964	-4.770
5E+12	17	66.024	60.739	-5.285
1E+13	18	71.564	61.990	-9.574
1E+13	19	70.833	62.014	-8.819
1E+13	20	65.442	60.920	-4.522
1E+13	21	65.348	61.386	-3.961
	Max	71.564	62.014	0.144
	Average	65.941	61.289	-4.652
	Min	61.071	60.739	-9.574
	Std Dev	2.639	0.376	2.443



50.2_HsRdson|HighSide/SW2/7/7

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	61.191	60.965	60.739	60.920
Average	61.331	61.200	61.059	61.578
Max	61.586	61.635	61.293	62.014
UL	72.000	72.000	72.000	72.000

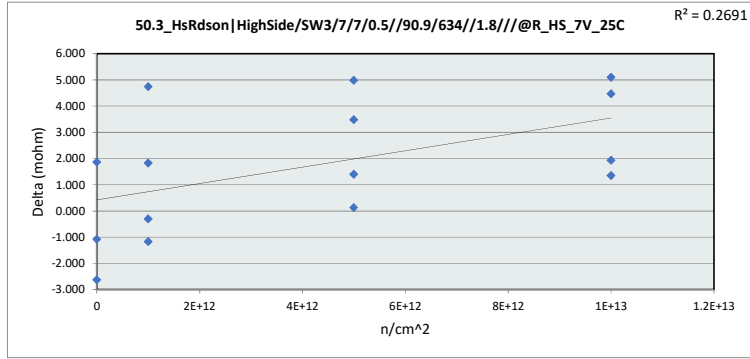


NDD Report
TPS7H4104-SP

50.3_HsRdson|HighSide/SW3/7/7/0.5//90.9/634//1.8///@R_HS_7V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	76	72
Min Limit	19.2	28

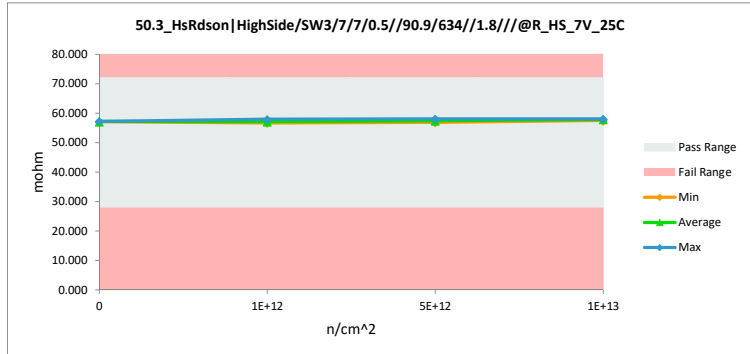
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	58.179	57.114	-1.065
0	2	55.378	57.259	1.881
0	3	59.773	57.161	-2.612
1E+12	10	59.085	57.929	-1.157
1E+12	11	55.007	56.846	1.840
1E+12	12	51.943	56.703	4.759
1E+12	13	57.560	57.268	-0.293
5E+12	14	56.139	57.555	1.416
5E+12	15	53.910	57.410	3.501
5E+12	16	53.115	58.111	4.996
5E+12	17	56.759	56.900	0.141
1E+13	18	52.740	57.856	5.116
1E+13	19	53.562	58.051	4.489
1E+13	20	56.136	57.502	1.366
1E+13	21	56.034	57.975	1.941
	Max	59.773	58.111	5.116
	Average	55.688	57.443	1.755
	Min	51.943	56.703	-2.612
	Std Dev	2.348	0.461	2.449



50.3_HsRdson|HighSide/SW3/7/7

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	57.114	56.703	56.900	57.502
Average	57.178	57.186	57.494	57.846
Max	57.259	57.929	58.111	58.051
UL	72.000	72.000	72.000	72.000

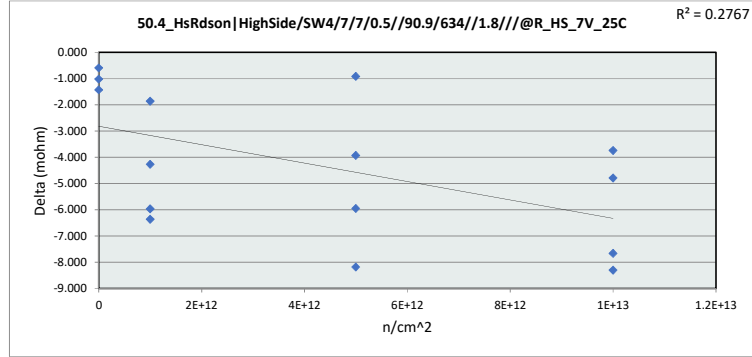


NDD Report TPS7H4104-SP

50.4_HsRdson|HighSide/SW4/7/7/0.5//90.9/634//1.8///@R_HS_7V_25C

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	76	72
Min Limit	19.2	28

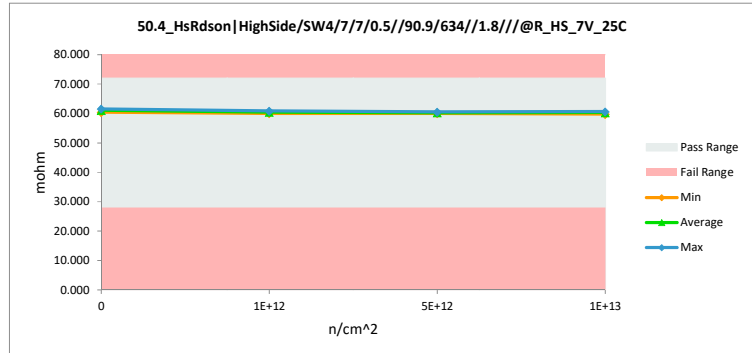
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	62.548	61.138	-1.410
0	2	62.164	61.586	-0.578
0	3	61.420	60.421	-0.999
1E+12	10	62.741	60.897	-1.844
1E+12	11	64.266	60.015	-4.251
1E+12	12	66.501	60.156	-6.345
1E+12	13	66.791	60.841	-5.950
5E+12	14	66.185	60.244	-5.941
5E+12	15	68.712	60.542	-8.170
5E+12	16	64.252	60.332	-3.919
5E+12	17	60.892	59.997	-0.895
1E+13	18	64.249	60.526	-3.723
1E+13	19	65.361	60.584	-4.777
1E+13	20	68.074	59.786	-8.288
1E+13	21	67.976	60.324	-7.653
Max		68.712	61.586	-0.578
Average		64.809	60.493	-4.316
Min		60.892	59.786	-8.288
Std Dev		2.522	0.472	2.714



50.4_HsRdson|HighSide/SW4/7/7

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	60.421	60.015	59.997	59.786
Average	61.048	60.477	60.279	60.305
Max	61.586	60.898	60.542	60.585
UL	72.000	72.000	72.000	72.000

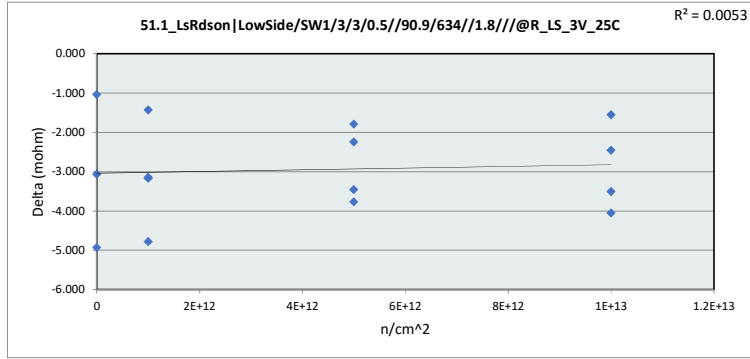


NDD Report
TPS7H4104-SP

51.1_LsRdson|LowSide/SW1/3/3/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	68	66
Min Limit	20.4	28

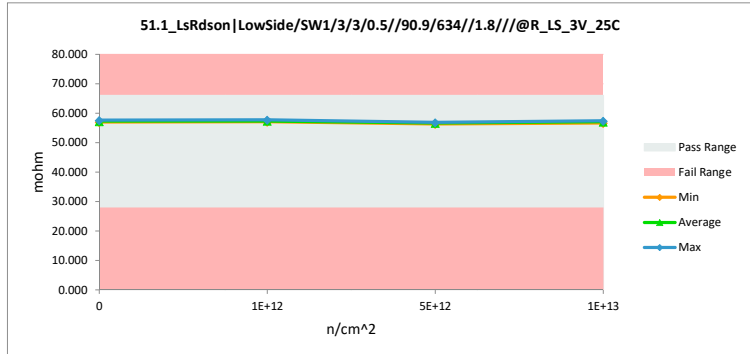
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	62.538	57.619	-4.919
0	2	60.242	57.185	-3.056
0	3	58.080	57.051	-1.029
1E+12	10	60.985	57.826	-3.159
1E+12	11	58.692	57.273	-1.419
1E+12	12	61.842	57.074	-4.768
1E+12	13	60.509	57.374	-3.135
5E+12	14	59.155	56.919	-2.236
5E+12	15	58.610	56.829	-1.781
5E+12	16	59.830	56.387	-3.443
5E+12	17	60.414	56.655	-3.759
1E+13	18	59.877	57.433	-2.445
1E+13	19	58.629	57.088	-1.542
1E+13	20	60.754	56.715	-4.040
1E+13	21	60.605	57.113	-3.492
Max		62.538	57.826	-1.029
Average		60.051	57.103	-2.948
Min		58.080	56.387	-4.919
Std Dev		1.258	0.376	1.189



51.1_LsRdson|LowSide/SW1/3/3/

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	57.051	57.074	56.387	56.715
Average	57.285	57.387	56.697	57.087
Max	57.619	57.826	56.919	57.433
UL	66.000	66.000	66.000	66.000

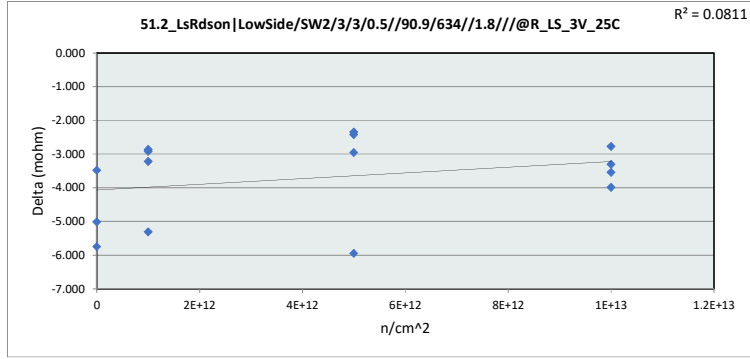


NDD Report
TPS7H4104-SP

51.2_LsRdson|LowSide/SW2/3/3/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	68	66
Min Limit	20.4	28

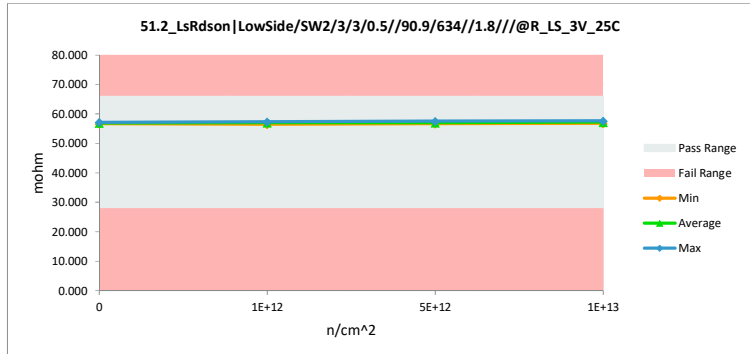
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	60.460	56.992	-3.468
0	2	62.203	57.206	-4.998
0	3	62.448	56.716	-5.732
1E+12	10	60.339	57.431	-2.908
1E+12	11	59.937	57.085	-2.852
1E+12	12	59.684	56.479	-3.205
1E+12	13	62.355	57.061	-5.294
5E+12	14	63.465	57.534	-5.932
5E+12	15	59.294	56.960	-2.333
5E+12	16	59.367	56.963	-2.404
5E+12	17	59.706	56.765	-2.941
1E+13	18	60.971	57.679	-3.292
1E+13	19	61.132	57.159	-3.974
1E+13	20	60.355	56.828	-3.527
1E+13	21	59.970	57.209	-2.760
	Max	63.465	57.679	-2.333
	Average	60.779	57.071	-3.708
	Min	59.294	56.479	-5.932
	Std Dev	1.283	0.318	1.203



51.2_LsRdson|LowSide/SW2/3/3/

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	56.716	56.479	56.765	56.828
Average	56.971	57.014	57.055	57.219
Max	57.206	57.431	57.534	57.679
UL	66.000	66.000	66.000	66.000

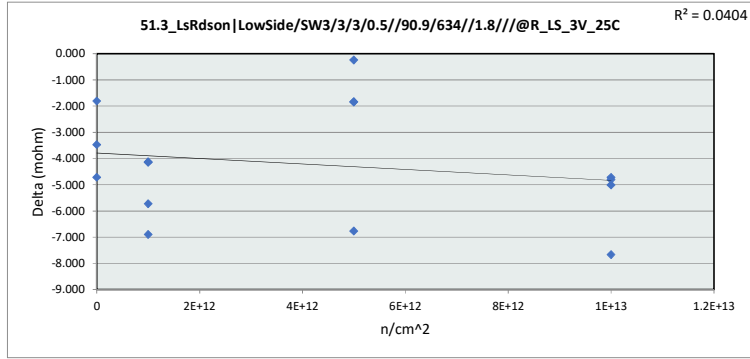


NDD Report
TPS7H4104-SP

51.3_LsRdson|LowSide/SW3/3/3/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	68	66
Min Limit	20.4	28

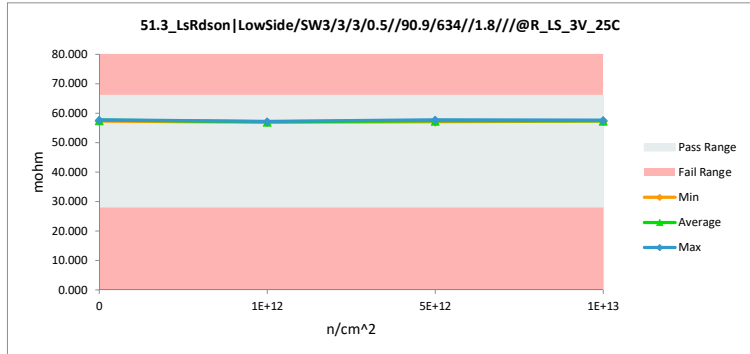
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	62.428	57.726	-4.702
0	2	59.558	57.766	-1.793
0	3	60.828	57.370	-3.457
1E+12	10	64.055	57.171	-6.884
1E+12	11	62.856	57.145	-5.710
1E+12	12	61.063	56.932	-4.131
1E+12	13	61.349	57.234	-4.115
5E+12	14	58.014	57.787	-0.227
5E+12	15	58.956	57.130	-1.825
5E+12	16	64.140	57.389	-6.750
5E+12	17	59.127	57.303	-1.825
1E+13	18	65.277	57.626	-7.652
1E+13	19	62.320	57.535	-4.785
1E+13	20	62.374	57.379	-4.995
1E+13	21	62.118	57.408	-4.710
	Max	65.277	57.787	-0.227
	Average	61.631	57.393	-4.237
	Min	58.014	56.932	-7.652
	Std Dev	2.082	0.254	2.118



51.3_LsRdson|LowSide/SW3/3/3/

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	57.371	56.932	57.130	57.379
Average	57.621	57.121	57.402	57.487
Max	57.766	57.234	57.787	57.626
UL	66.000	66.000	66.000	66.000

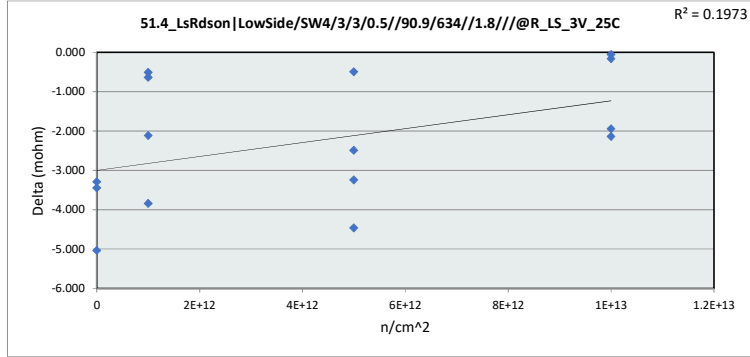


NDD Report
TPS7H4104-SP

51.4_LsRdson|LowSide/SW4/3/3/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	68	66
Min Limit	20.4	28

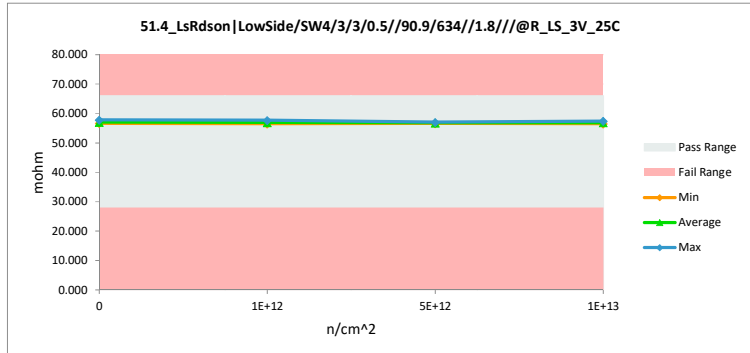
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	59.970	56.690	-3.279
0	2	61.273	57.836	-3.437
0	3	61.755	56.728	-5.028
1E+12	10	58.152	57.656	-0.497
1E+12	11	58.611	56.509	-2.102
1E+12	12	60.427	56.595	-3.832
1E+12	13	57.643	57.019	-0.624
5E+12	14	61.355	56.904	-4.451
5E+12	15	59.949	56.721	-3.228
5E+12	16	57.507	57.027	-0.479
5E+12	17	59.140	56.663	-2.477
1E+13	18	58.898	56.770	-2.128
1E+13	19	59.366	57.432	-1.934
1E+13	20	56.645	56.494	-0.151
1E+13	21	56.873	56.833	-0.040
Max		61.755	57.836	-0.040
Average		59.171	56.925	-2.246
Min		56.645	56.494	-5.028
Std Dev		1.624	0.409	1.622



51.4_LsRdson|LowSide/SW4/3/3/

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	56.690	56.509	56.663	56.494
Average	57.085	56.945	56.829	56.882
Max	57.836	57.656	57.027	57.432
UL	66.000	66.000	66.000	66.000

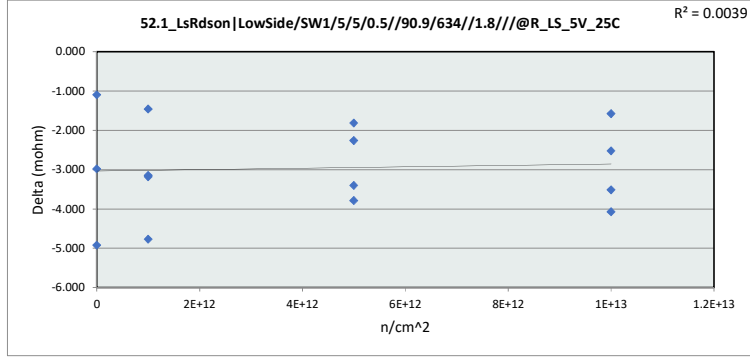


NDD Report
TPS7H4104-SP

52.1_LsRdson|LowSide/SW1/5/5/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	64	62
Min Limit	17.6	25

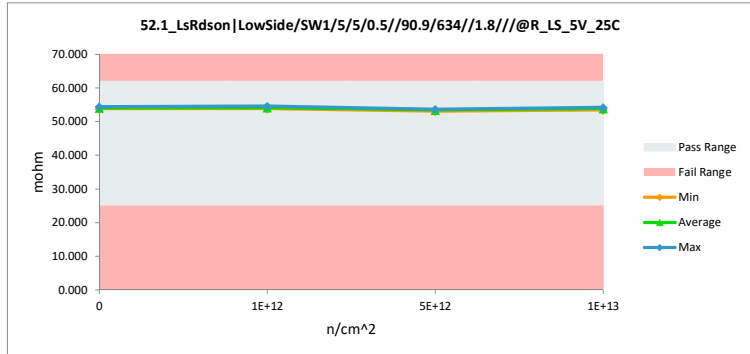
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	59.347	54.438	-4.909
0	2	56.909	53.937	-2.972
0	3	54.934	53.849	-1.085
1E+12	10	57.796	54.625	-3.171
1E+12	11	55.512	54.064	-1.448
1E+12	12	58.586	53.827	-4.758
1E+12	13	57.324	54.186	-3.137
5E+12	14	55.984	53.735	-2.249
5E+12	15	55.359	53.552	-1.807
5E+12	16	56.532	53.138	-3.393
5E+12	17	57.177	53.400	-3.777
1E+13	18	56.764	54.253	-2.511
1E+13	19	55.500	53.936	-1.564
1E+13	20	57.563	53.500	-4.063
1E+13	21	57.411	53.905	-3.506
	Max	59.347	54.625	-1.085
	Average	56.846	53.890	-2.957
	Min	54.934	53.138	-4.909
	Std Dev	1.244	0.396	1.173



52.1_LsRdson|LowSide/SW1/5/5/

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	53.849	53.828	53.138	53.500
Average	54.075	54.176	53.456	53.899
Max	54.438	54.625	53.735	54.253
UL	62.000	62.000	62.000	62.000

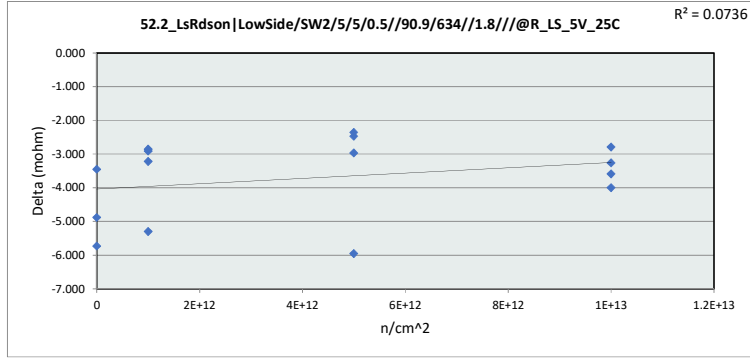


NDD Report
TPS7H4104-SP

52.2_LsRdson|LowSide/SW2/5/5/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	64	62
Min Limit	17.6	25

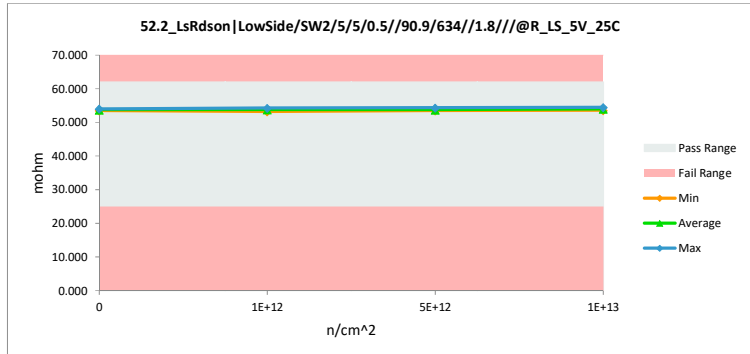
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	57.258	53.819	-3.439
0	2	58.909	54.042	-4.867
0	3	59.254	53.535	-5.719
1E+12	10	57.181	54.285	-2.896
1E+12	11	56.713	53.875	-2.837
1E+12	12	56.483	53.277	-3.205
1E+12	13	59.207	53.925	-5.282
5E+12	14	60.263	54.324	-5.939
5E+12	15	56.013	53.667	-2.346
5E+12	16	56.151	53.691	-2.459
5E+12	17	56.436	53.480	-2.956
1E+13	18	57.759	54.507	-3.252
1E+13	19	58.011	54.024	-3.988
1E+13	20	57.200	53.623	-3.577
1E+13	21	56.811	54.036	-2.775
	Max	60.263	54.507	-2.346
	Average	57.577	53.874	-3.702
	Min	56.013	53.277	-5.939
	Std Dev	1.293	0.340	1.187



52.2_LsRdson|LowSide/SW2/5/5/

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	53.535	53.277	53.480	53.623
Average	53.799	53.841	53.791	54.048
Max	54.042	54.285	54.324	54.508
UL	62.000	62.000	62.000	62.000

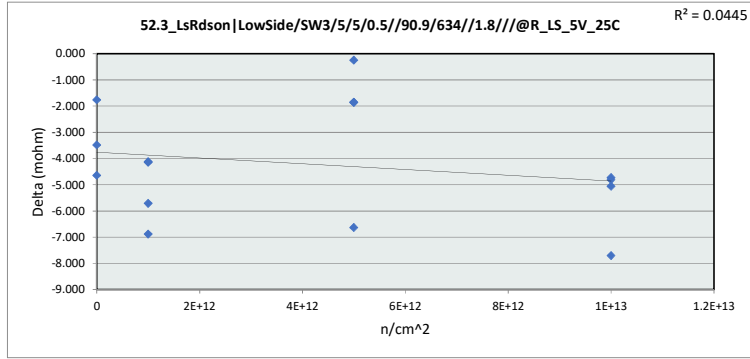


NDD Report
TPS7H4104-SP

52.3_LsRdson|LowSide/SW3/5/5/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	64	62
Min Limit	17.6	25

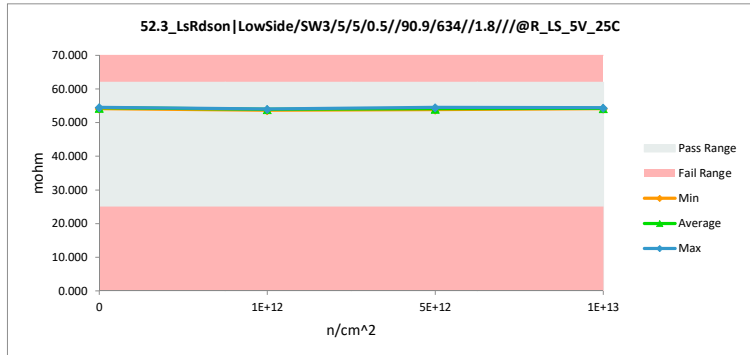
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	59.179	54.553	-4.625
0	2	56.311	54.563	-1.747
0	3	57.648	54.182	-3.466
1E+12	10	60.868	54.004	-6.864
1E+12	11	59.637	53.942	-5.695
1E+12	12	57.834	53.705	-4.129
1E+12	13	58.167	54.063	-4.105
5E+12	14	54.777	54.546	-0.231
5E+12	15	55.672	53.830	-1.842
5E+12	16	60.709	54.094	-6.615
5E+12	17	55.810	53.972	-1.838
1E+13	18	62.117	54.431	-7.686
1E+13	19	59.172	54.380	-4.792
1E+13	20	59.214	54.173	-5.042
1E+13	21	58.954	54.239	-4.715
	Max	62.117	54.563	-0.231
	Average	58.405	54.178	-4.226
	Min	54.777	53.705	-7.686
	Std Dev	2.096	0.271	2.109



52.3_LsRdson|LowSide/SW3/5/5/

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	54.182	53.705	53.830	54.173
Average	54.433	53.928	54.110	54.306
Max	54.564	54.063	54.546	54.431
UL	62.000	62.000	62.000	62.000

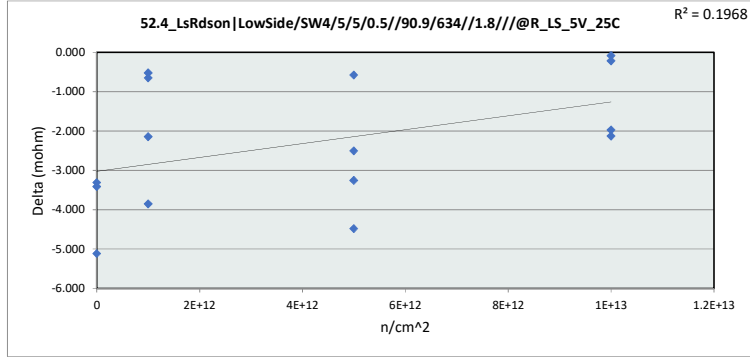


NDD Report
TPS7H4104-SP

52.4_LsRdson|LowSide/SW4/5/5/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	64	62
Min Limit	17.6	25

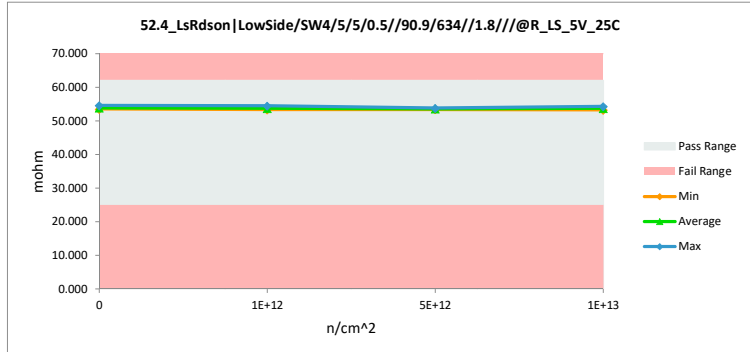
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	56.818	53.519	-3.299
0	2	58.003	54.599	-3.403
0	3	58.640	53.535	-5.106
1E+12	10	54.980	54.470	-0.509
1E+12	11	55.441	53.308	-2.133
1E+12	12	57.188	53.346	-3.842
1E+12	13	54.463	53.825	-0.638
5E+12	14	58.216	53.745	-4.471
5E+12	15	56.708	53.465	-3.243
5E+12	16	54.361	53.796	-0.565
5E+12	17	55.901	53.408	-2.494
1E+13	18	55.741	53.626	-2.115
1E+13	19	56.257	54.294	-1.964
1E+13	20	53.486	53.281	-0.204
1E+13	21	53.719	53.648	-0.071
	Max	58.640	54.599	-0.071
	Average	55.995	53.724	-2.271
	Min	53.486	53.281	-5.106
	Std Dev	1.616	0.417	1.617



52.4_LsRdson|LowSide/SW4/5/5/

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	53.519	53.308	53.408	53.281
Average	53.884	53.737	53.603	53.712
Max	54.599	54.470	53.796	54.294
UL	62.000	62.000	62.000	62.000

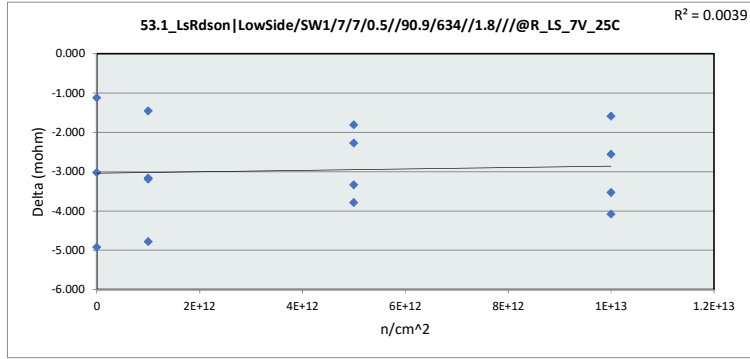


NDD Report
TPS7H4104-SP

53.1_LsRdson|LowSide/SW1/7/7/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	63	61
Min Limit	15.4	23

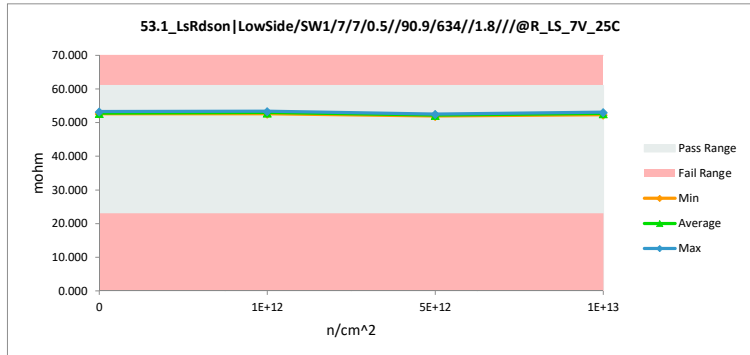
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	58.181	53.271	-4.910
0	2	55.717	52.706	-3.012
0	3	53.782	52.670	-1.112
1E+12	10	56.578	53.403	-3.175
1E+12	11	54.339	52.895	-1.444
1E+12	12	57.398	52.631	-4.768
1E+12	13	56.164	53.009	-3.155
5E+12	14	54.826	52.563	-2.263
5E+12	15	54.171	52.370	-1.802
5E+12	16	55.280	51.958	-3.322
5E+12	17	55.995	52.218	-3.777
1E+13	18	55.625	53.078	-2.547
1E+13	19	54.338	52.758	-1.580
1E+13	20	56.397	52.325	-4.072
1E+13	21	56.250	52.730	-3.520
	Max	58.181	53.403	-1.112
	Average	55.669	52.706	-2.964
	Min	53.782	51.958	-4.910
	Std Dev	1.241	0.393	1.169



53.1_LsRdson|LowSide/SW1/7/7/

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	52.670	52.631	51.958	52.325
Average	52.882	52.984	52.277	52.723
Max	53.271	53.403	52.563	53.078
UL	61.000	61.000	61.000	61.000

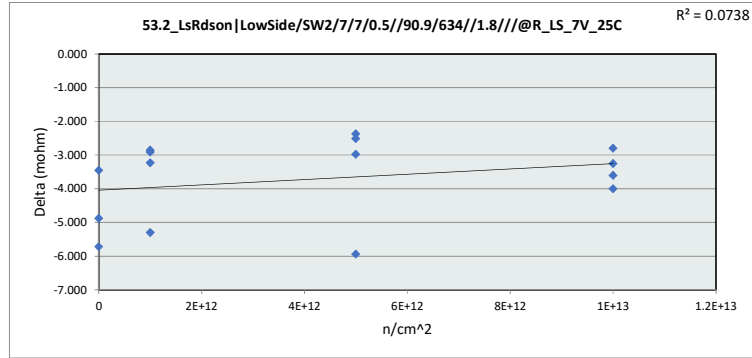


NDD Report TPS7H4104-SP

53.2_LsRdson|LowSide/SW2/7/7/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	63	61
Min Limit	15.4	23

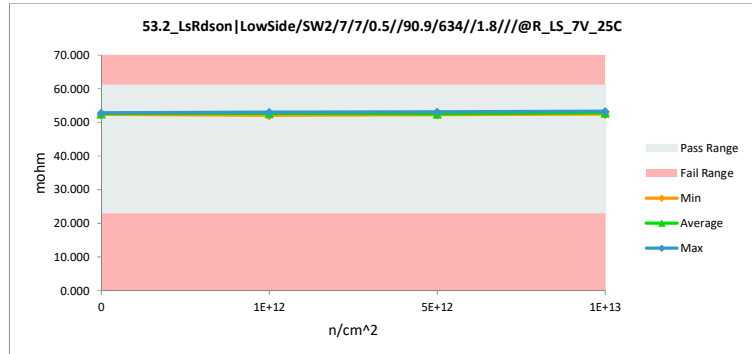
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	56.097	52.660	-3.436
0	2	57.712	52.853	-4.860
0	3	58.080	52.374	-5.706
1E+12	10	56.007	53.108	-2.899
1E+12	11	55.547	52.706	-2.841
1E+12	12	55.315	52.098	-3.217
1E+12	13	58.046	52.761	-5.285
5E+12	14	59.074	53.147	-5.927
5E+12	15	54.833	52.480	-2.353
5E+12	16	55.000	52.502	-2.498
5E+12	17	55.253	52.286	-2.967
1E+13	18	56.573	53.333	-3.240
1E+13	19	56.847	52.861	-3.986
1E+13	20	56.042	52.451	-3.591
1E+13	21	55.652	52.869	-2.783
	Max	59.074	53.333	-2.353
	Average	56.405	52.699	-3.706
	Min	54.833	52.098	-5.927
	Std Dev	1.287	0.342	1.179



53.2_LsRdson|LowSide/SW2/7/7/

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	52.374	52.098	52.286	52.451
Average	52.629	52.668	52.604	52.879
Max	52.853	53.108	53.147	53.333
UL	61.000	61.000	61.000	61.000

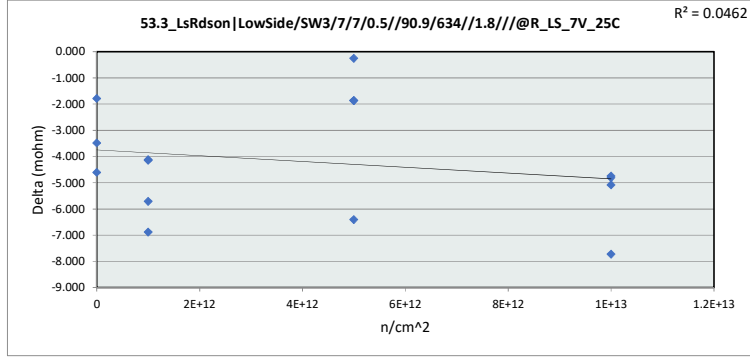


NDD Report
TPS7H4104-SP

53.3_LsRdson|LowSide/SW3/7/7/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	63	61
Min Limit	15.4	23

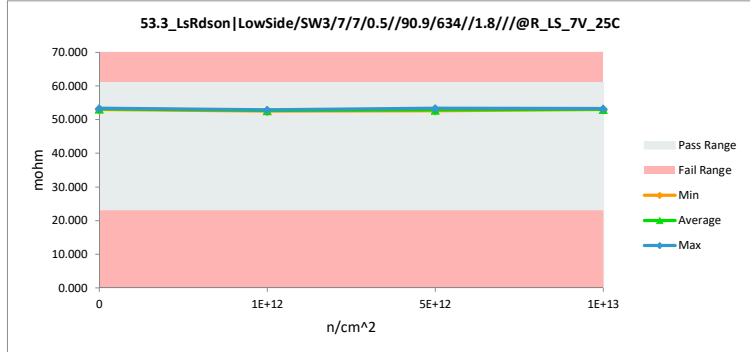
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	57.989	53.396	-4.593
0	2	55.136	53.370	-1.766
0	3	56.486	53.016	-3.470
1E+12	10	59.688	52.824	-6.864
1E+12	11	58.469	52.770	-5.699
1E+12	12	56.654	52.528	-4.127
1E+12	13	57.010	52.901	-4.109
5E+12	14	53.603	53.367	-0.236
5E+12	15	54.489	52.635	-1.854
5E+12	16	59.292	52.903	-6.389
5E+12	17	54.619	52.771	-1.849
1E+13	18	60.967	53.256	-7.711
1E+13	19	58.004	53.208	-4.795
1E+13	20	58.066	53.003	-5.063
1E+13	21	57.805	53.074	-4.731
	Max	60.967	53.396	-0.236
	Average	57.219	53.001	-4.217
	Min	53.603	52.528	-7.711
	Std Dev	2.084	0.275	2.091



53.3_LsRdson|LowSide/SW3/7/7/

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	53.016	52.528	52.635	53.003
Average	53.261	52.755	52.919	53.135
Max	53.396	52.901	53.367	53.256
UL	61.000	61.000	61.000	61.000

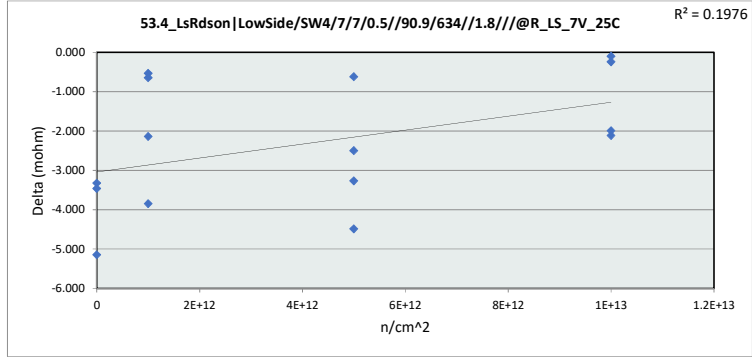


NDD Report
TPS7H4104-SP

53.4_LsRdson|LowSide/SW4/7/7/0.5//90.9/63

Test Site		
Tester		
Test Number		
Unit	mohm	mohm
Max Limit	63	61
Min Limit	15.4	23

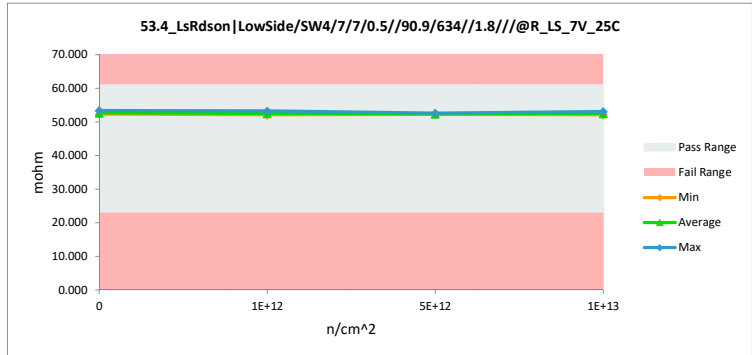
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	55.673	52.358	-3.315
0	2	56.825	53.374	-3.451
0	3	57.493	52.358	-5.135
1E+12	10	53.777	53.257	-0.520
1E+12	11	54.262	52.133	-2.129
1E+12	12	55.993	52.157	-3.837
1E+12	13	53.283	52.650	-0.633
5E+12	14	57.060	52.583	-4.477
5E+12	15	55.536	52.280	-3.256
5E+12	16	53.230	52.621	-0.609
5E+12	17	54.717	52.226	-2.491
1E+13	18	54.568	52.465	-2.103
1E+13	19	55.098	53.119	-1.980
1E+13	20	52.330	52.101	-0.230
1E+13	21	52.565	52.479	-0.085
	Max	57.493	53.374	-0.085
	Average	54.827	52.544	-2.283
	Min	52.330	52.101	-5.135
	Std Dev	1.615	0.406	1.617



53.4_LsRdson|LowSide/SW4/7/7/

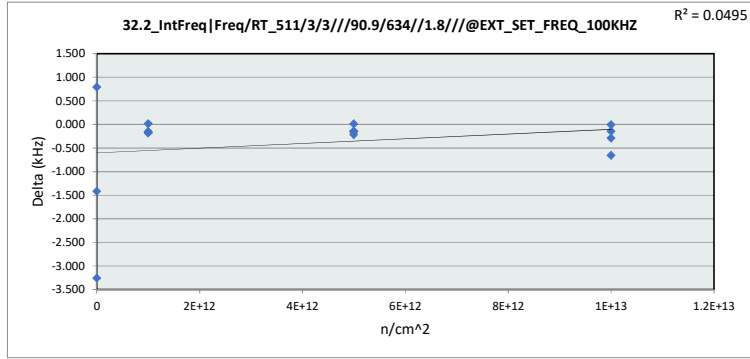
Test Site		
Tester		
Test Number		
Max Limit	61	mohm
Min Limit	23	mohm

n/cm^2	0	1E+12	5E+12	1E+13
LL	23.000	23.000	23.000	23.000
Min	52.358	52.133	52.226	52.101
Average	52.697	52.549	52.427	52.541
Max	53.374	53.257	52.621	53.119
UL	61.000	61.000	61.000	61.000

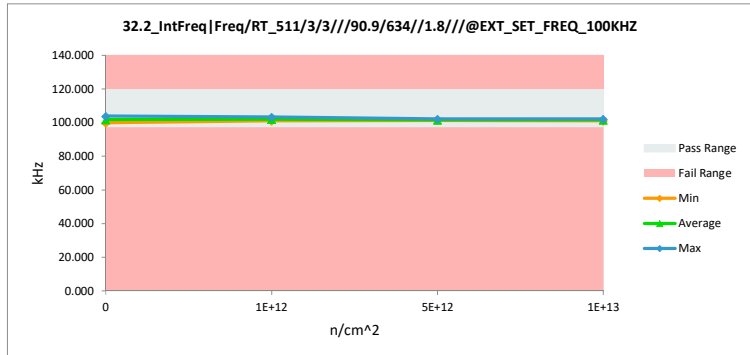


NDD Report
TPS7H4104-SP

32.2_IntFreq Freq/RT_511/3/3///90.9/634//1				
Test Site				
Tester				
Test Number				
Unit		kHz	kHz	
Max Limit		120	119.7	
Min Limit		97	97.3	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	103.169	99.921	-3.247
0	2	102.969	101.561	-1.408
0	3	103.123	103.924	0.801
1E+12	10	102.361	102.196	-0.164
1E+12	11	103.608	103.466	-0.142
1E+12	12	101.422	101.446	0.024
1E+12	13	101.310	101.140	-0.171
5E+12	14	102.412	102.262	-0.150
5E+12	15	101.774	101.645	-0.129
5E+12	16	101.585	101.379	-0.206
5E+12	17	101.538	101.557	0.019
1E+13	18	102.185	102.188	0.003
1E+13	19	102.138	102.002	-0.136
1E+13	20	101.811	101.163	-0.648
1E+13	21	101.797	101.516	-0.281
	Max	103.608	103.924	0.801
	Average	102.213	101.824	-0.389
	Min	101.310	99.921	-3.247
	Std Dev	0.714	0.954	0.909

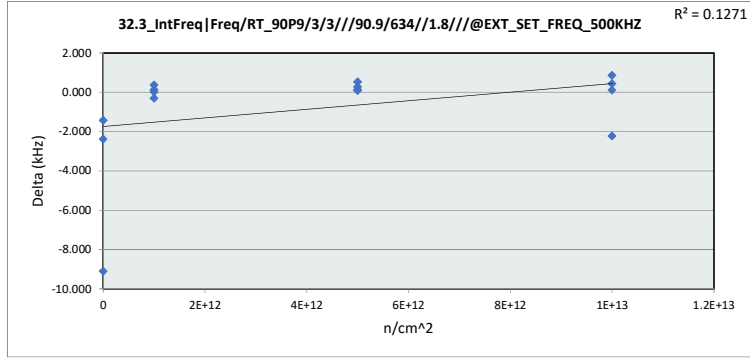


32.2_IntFreq Freq/RT_511/3/3///				
Test Site				
Tester				
Test Number				
Max Limit		119.7	kHz	
Min Limit		97.3	kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	97.300	97.300	97.300	97.300
Min	99.921	101.140	101.379	101.163
Average	101.802	102.062	101.711	101.717
Max	103.924	103.466	102.262	102.188
UL	119.700	119.700	119.700	119.700

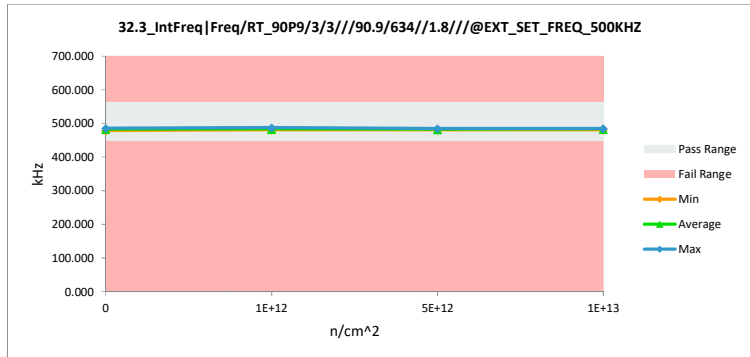


NDD Report
TPS7H4104-SP

32.3_IntFreq Freq/RT_90P9/3/3///90.9/634//				
Test Site				
Tester				
Test Number				
Unit		kHz	kHz	
Max Limit		564	562.5	
Min Limit		446	447.5	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	488.335	479.255	-9.079
0	2	486.551	484.192	-2.359
0	3	487.529	486.122	-1.407
1E+12	10	483.826	483.978	0.151
1E+12	11	487.568	487.613	0.045
1E+12	12	480.840	481.234	0.395
1E+12	13	481.960	481.681	-0.278
5E+12	14	484.879	484.992	0.113
5E+12	15	481.123	481.417	0.294
5E+12	16	482.385	482.548	0.162
5E+12	17	481.108	481.662	0.554
1E+13	18	484.537	485.422	0.885
1E+13	19	483.827	484.293	0.466
1E+13	20	483.160	480.956	-2.204
1E+13	21	483.103	483.231	0.129
Max		488.335	487.613	0.885
Average		484.049	483.240	-0.809
Min		480.840	479.255	-9.079
Std Dev		2.485	2.262	2.489

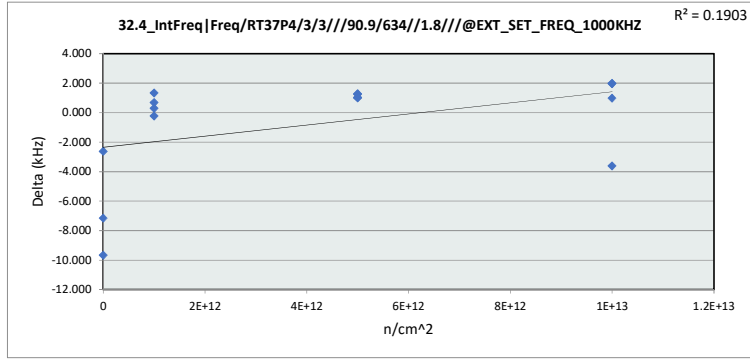


32.3_IntFreq Freq/RT_90P9/3/3//				
Test Site				
Tester				
Test Number				
Max Limit		562.5	kHz	
Min Limit		447.5	kHz	
n/cm^2	0	1E+12	5E+12	1E+13
LL	447.500	447.500	447.500	447.500
Min	479.255	481.234	481.417	480.956
Average	483.190	483.627	482.655	483.475
Max	486.122	487.614	484.992	485.422
UL	562.500	562.500	562.500	562.500

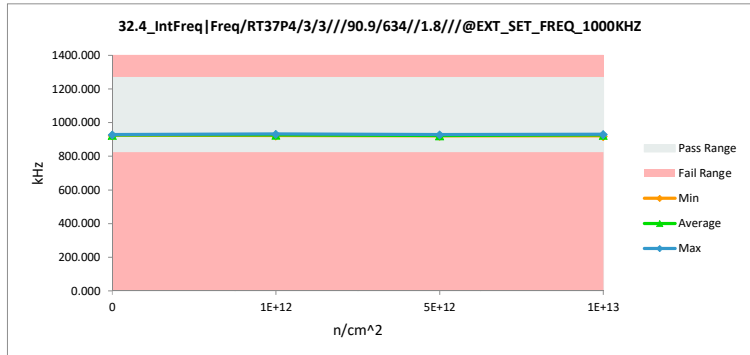


NDD Report
TPS7H4104-SP

32.4_IntFreq Freq/RT37P4/3/3///90.9/634//1				
Test Site				
Tester				
Test Number				
Unit		kHz	kHz	
Max Limit		1280	1267	
Min Limit		812	825	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	934.800	925.155	-9.645
0	2	931.856	929.258	-2.597
0	3	933.161	926.027	-7.134
1E+12	10	931.561	932.275	0.714
1E+12	11	932.581	932.900	0.319
1E+12	12	921.427	922.787	1.360
1E+12	13	923.273	923.077	-0.196
5E+12	14	928.017	929.037	1.020
5E+12	15	920.514	921.571	1.057
5E+12	16	922.834	924.102	1.268
5E+12	17	920.819	922.128	1.308
1E+13	18	929.192	931.178	1.986
1E+13	19	928.884	930.898	2.014
1E+13	20	924.410	920.817	-3.593
1E+13	21	924.156	925.164	1.007
	Max	934.800	932.900	2.014
	Average	927.166	926.425	-0.741
	Min	920.514	920.817	-9.645
	Std Dev	4.933	4.143	3.509



32.4_IntFreq Freq/RT37P4/3/3///				
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	925.155	922.787	921.571	920.817
Average	926.813	927.760	924.209	927.014
Max	929.258	932.900	929.037	931.178
UL	1267.000	1267.000	1267.000	1267.000

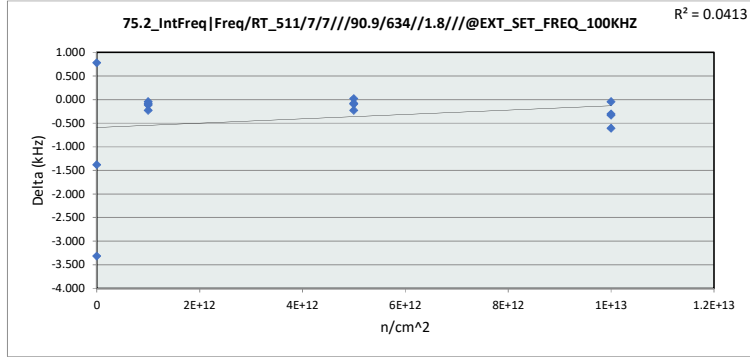


NDD Report
TPS7H4104-SP

75.2_IntFreq|Freq/RT_511/7/7///90.9/634//1

Test Site		
Tester		
Test Number		
Unit	kHz	kHz
Max Limit	120	119.7
Min Limit	97	97.3

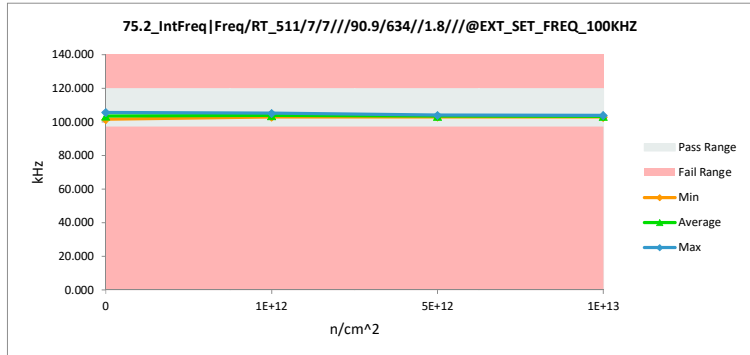
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	104.824	101.515	-3.309
0	2	104.692	103.323	-1.369
0	3	104.886	105.676	0.789
1E+12	10	104.070	103.966	-0.104
1E+12	11	105.291	105.214	-0.077
1E+12	12	103.212	103.177	-0.034
1E+12	13	103.177	102.958	-0.218
5E+12	14	104.147	104.061	-0.086
5E+12	15	103.426	103.454	0.028
5E+12	16	103.201	102.983	-0.218
5E+12	17	103.242	103.175	-0.067
1E+13	18	103.908	103.873	-0.035
1E+13	19	103.905	103.585	-0.320
1E+13	20	103.506	102.908	-0.597
1E+13	21	103.514	103.218	-0.296
	Max	105.291	105.676	0.789
	Average	103.933	103.539	-0.394
	Min	103.177	101.515	-3.309
	Std Dev	0.702	0.982	0.918



75.2_IntFreq|Freq/RT_511/7/7///

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	101.515	102.958	102.983	102.908
Average	103.504	103.829	103.418	103.396
Max	105.676	105.214	104.061	103.873
UL	119.700	119.700	119.700	119.700

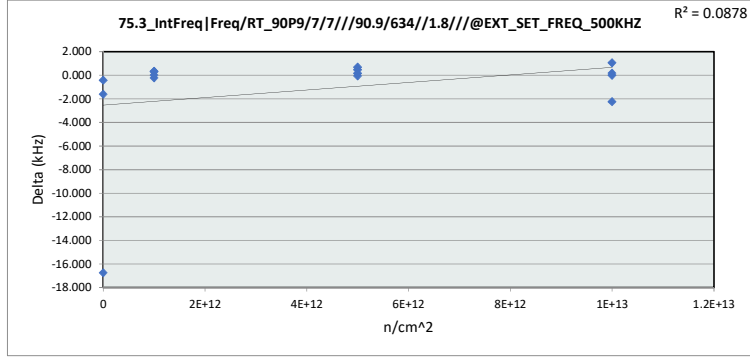


NDD Report
TPS7H4104-SP

75.3_IntFreq|Freq/RT_90P9/7/7///90.9/634//

Test Site		
Tester		
Test Number		
Unit	kHz	kHz
Max Limit	564	562.5
Min Limit	446	447.5

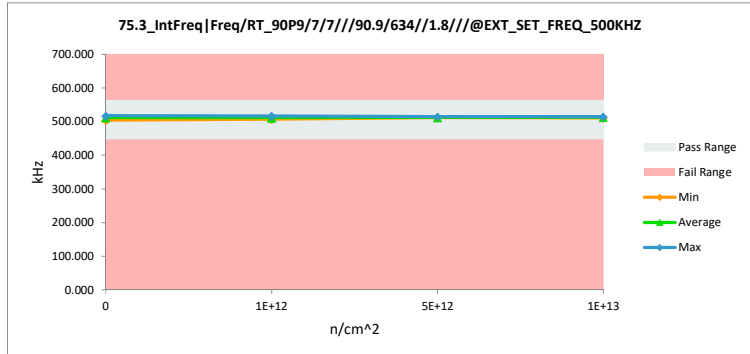
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	520.887	504.171	-16.717
0	2	514.997	514.618	-0.379
0	3	518.994	517.427	-1.568
1E+12	10	507.390	507.770	0.380
1E+12	11	517.163	517.214	0.051
1E+12	12	509.521	509.867	0.347
1E+12	13	512.285	512.094	-0.192
5E+12	14	514.789	514.756	-0.034
5E+12	15	511.794	511.996	0.202
5E+12	16	512.632	513.129	0.497
5E+12	17	511.096	511.809	0.713
1E+13	18	513.707	514.809	1.102
1E+13	19	511.052	511.273	0.221
1E+13	20	514.652	512.447	-2.206
1E+13	21	514.593	514.623	0.030
	Max	520.887	517.427	1.102
	Average	513.704	512.533	-1.170
	Min	507.390	504.171	-16.717
	Std Dev	3.526	3.458	4.381



75.3_IntFreq|Freq/RT_90P9/7/7//

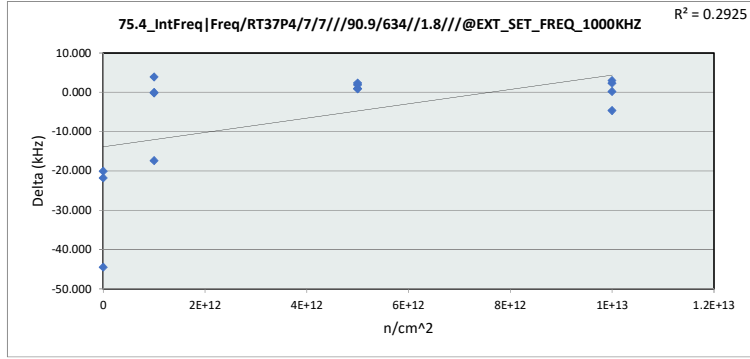
Test Site		
Tester		
Test Number		
Max Limit	562.5	kHz
Min Limit	447.5	kHz

n/cm^2	0	1E+12	5E+12	1E+13
LL	447.500	447.500	447.500	447.500
Min	504.171	507.770	511.809	511.273
Average	512.072	511.736	512.922	513.288
Max	517.427	517.214	514.756	514.809
UL	562.500	562.500	562.500	562.500

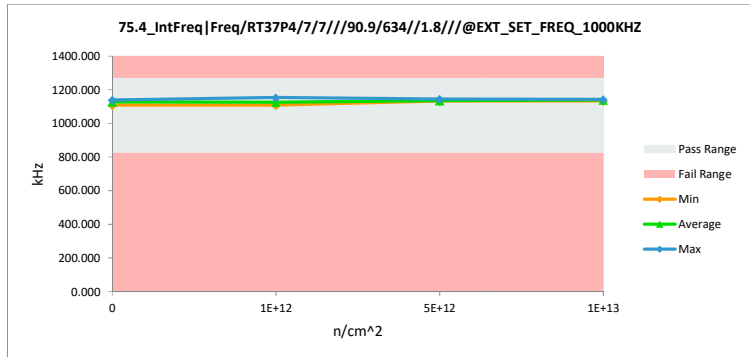


NDD Report
TPS7H4104-SP

75.4_IntFreq Freq/RT37P4/7/7///90.9/634//1				
Test Site				
Tester				
Test Number				
Unit		kHz		kHz
Max Limit		1280		1267
Min Limit		812		825
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1153.302	1108.936	-44.366
0	2	1156.196	1134.512	-21.684
0	3	1159.420	1139.479	-19.941
1E+12	10	1105.034	1109.077	4.043
1E+12	11	1153.595	1153.645	0.049
1E+12	12	1128.427	1111.172	-17.255
1E+12	13	1130.359	1130.272	-0.087
5E+12	14	1143.621	1144.672	1.051
5E+12	15	1130.636	1132.666	2.030
5E+12	16	1131.403	1132.396	0.993
5E+12	17	1131.586	1134.054	2.468
1E+13	18	1138.186	1141.290	3.105
1E+13	19	1140.450	1142.849	2.399
1E+13	20	1138.047	1133.520	-4.526
1E+13	21	1137.965	1138.293	0.328
	Max	1159.420	1153.645	4.043
	Average	1138.548	1132.456	-6.093
	Min	1105.034	1108.936	-44.366
	Std Dev	13.826	13.183	13.737



75.4_IntFreq Freq/RT37P4/7/7///				
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	1108.936	1109.077	1132.396	1133.520
Average	1127.642	1126.041	1135.947	1138.988
Max	1139.479	1153.645	1144.672	1142.849
UL	1267.000	1267.000	1267.000	1267.000

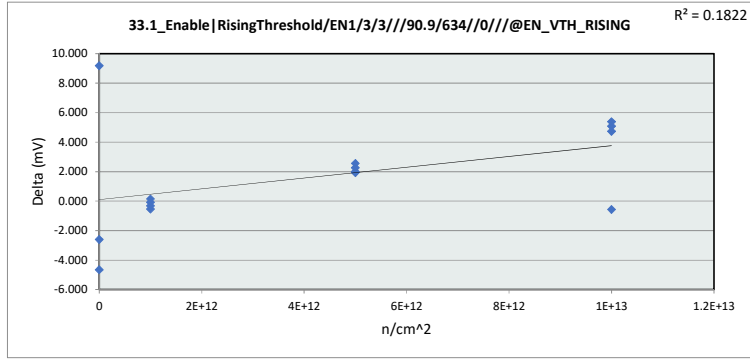


NDD Report
TPS7H4104-SP

33.1_Enable|RisingThreshold/EN1/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

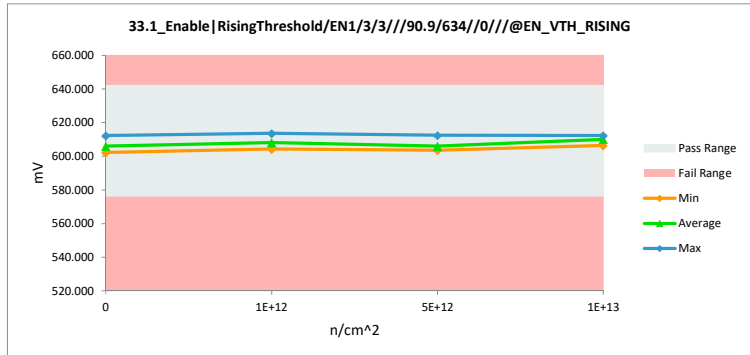
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	606.928	602.297	-4.631
0	2	603.092	612.305	9.214
0	3	606.112	603.542	-2.571
1E+12	10	609.207	609.380	0.172
1E+12	11	604.801	604.278	-0.522
1E+12	12	613.927	613.635	-0.292
1E+12	13	605.236	605.188	-0.048
5E+12	14	601.782	603.738	1.956
5E+12	15	601.576	603.602	2.026
5E+12	16	602.000	604.283	2.283
5E+12	17	609.927	612.511	2.584
1E+13	18	607.278	612.391	5.113
1E+13	19	604.528	609.940	5.412
1E+13	20	607.008	606.459	-0.549
1E+13	21	607.093	611.847	4.754
Max		613.927	613.635	9.214
Average		606.033	607.693	1.660
Min		601.576	602.297	-4.631
Std Dev		3.373	4.113	3.486



33.1_Enable|RisingThreshold/EN1/

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	602.297	604.278	603.602	606.459
Average	606.048	608.120	606.034	610.159
Max	612.305	613.635	612.511	612.391
UL	642.000	642.000	642.000	642.000

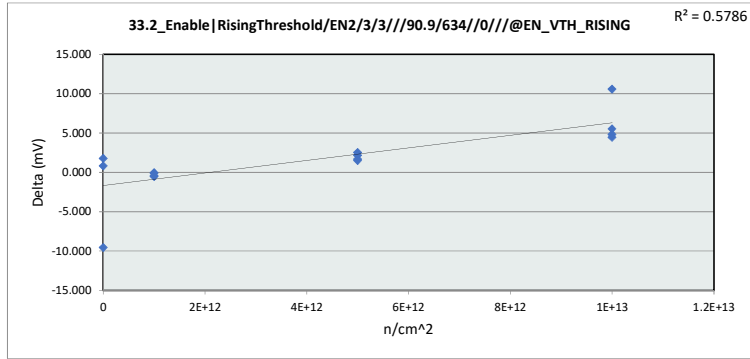


NDD Report
TPS7H4104-SP

33.2_Enable|RisingThreshold/EN2/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

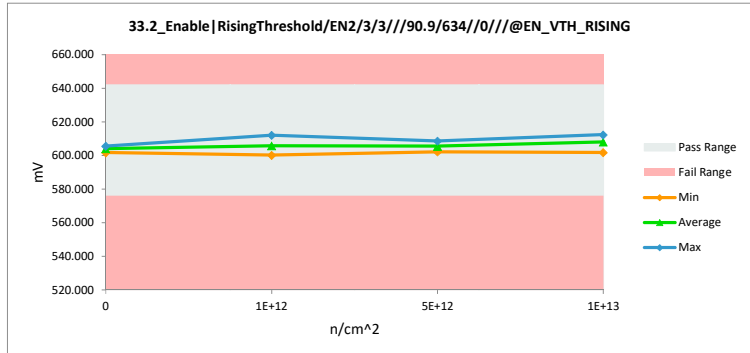
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	604.120	604.990	0.870
0	2	611.227	601.730	-9.497
0	3	603.839	605.670	1.831
1E+12	10	610.011	609.531	-0.480
1E+12	11	600.284	600.254	-0.029
1E+12	12	601.789	601.408	-0.380
1E+12	13	612.104	612.103	-0.001
5E+12	14	606.094	608.688	2.594
5E+12	15	605.369	606.927	1.558
5E+12	16	602.262	604.467	2.205
5E+12	17	600.494	602.216	1.722
1E+13	18	607.507	612.384	4.877
1E+13	19	604.748	610.326	5.578
1E+13	20	597.305	607.953	10.648
1E+13	21	597.372	601.877	4.505
	Max	612.104	612.384	10.648
	Average	604.302	606.035	1.733
	Min	597.305	600.254	-9.497
	Std Dev	4.587	4.037	4.269



33.2_Enable|RisingThreshold/EN2/

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	601.730	600.254	602.216	601.877
Average	604.130	605.824	605.575	608.135
Max	605.670	612.103	608.688	612.384
UL	642.000	642.000	642.000	642.000

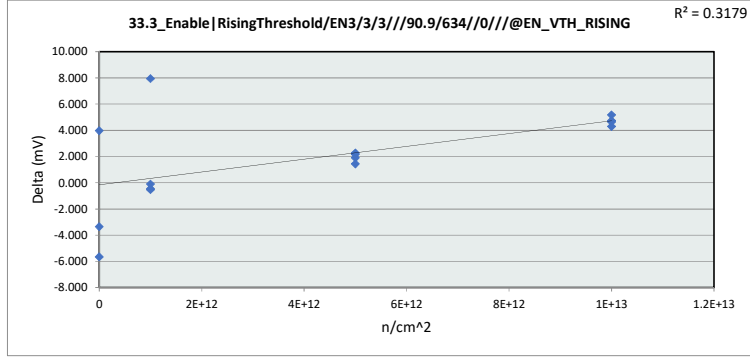


NDD Report
TPS7H4104-SP

33.3_Enable|RisingThreshold/EN3/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

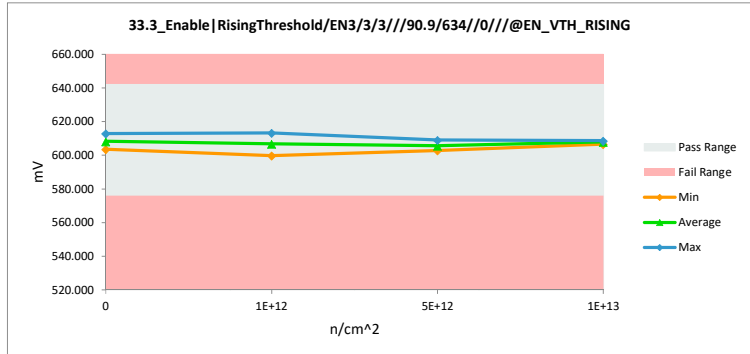
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	608.927	612.927	4.000
0	2	606.949	603.630	-3.320
0	3	613.914	608.287	-5.627
1E+12	10	600.204	599.773	-0.431
1E+12	11	605.293	613.267	7.974
1E+12	12	606.308	605.815	-0.492
1E+12	13	608.510	608.432	-0.078
5E+12	14	607.565	609.031	1.466
5E+12	15	603.516	605.445	1.929
5E+12	16	600.651	602.958	2.306
5E+12	17	603.022	605.213	2.190
1E+13	18	603.267	608.026	4.759
1E+13	19	601.383	606.578	5.195
1E+13	20	603.982	608.662	4.680
1E+13	21	603.978	608.303	4.325
	Max	613.914	613.267	7.974
	Average	605.165	607.090	1.925
	Min	600.204	599.773	-5.627
	Std Dev	3.637	3.533	3.519



33.3_Enable|RisingThreshold/EN3/

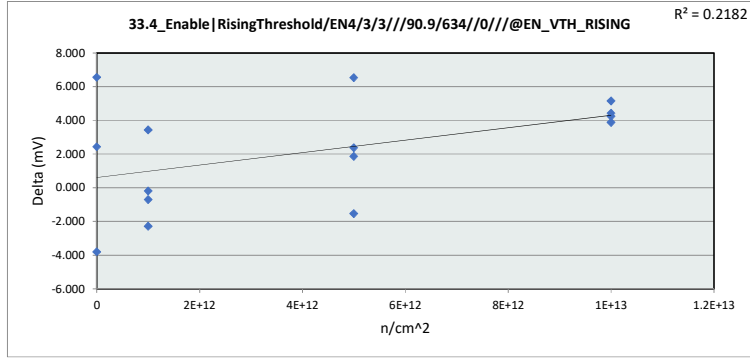
Test Site		
Tester		
Test Number		
Max Limit	642	mV
Min Limit	576	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	576.000	576.000	576.000	576.000
Min	603.630	599.773	602.958	606.578
Average	608.281	606.822	605.662	607.892
Max	612.927	613.267	609.031	608.662
UL	642.000	642.000	642.000	642.000

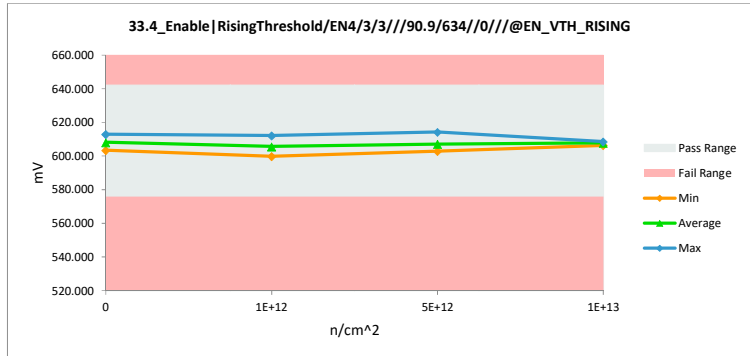


NDD Report TPS7H4104-SP

33.4_Enable RisingThreshold/EN4/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	606.431	613.011	6.580
0	2	607.234	603.461	-3.774
0	3	605.539	607.994	2.456
1E+12	10	600.565	599.892	-0.673
1E+12	11	605.035	604.867	-0.168
1E+12	12	608.126	605.867	-2.260
1E+12	13	608.692	612.154	3.462
5E+12	14	607.757	614.321	6.565
5E+12	15	603.706	605.591	1.886
5E+12	16	600.472	602.874	2.402
5E+12	17	607.008	605.498	-1.509
1E+13	18	603.625	608.072	4.447
1E+13	19	601.218	606.394	5.176
1E+13	20	604.391	608.297	3.907
1E+13	21	604.293	608.565	4.272
Max		608.692	614.321	6.580
Average		604.939	607.124	2.185
Min		600.472	599.892	-3.774
Std Dev		2.689	3.899	3.211



33.4_Enable RisingThreshold/EN4/3/3///90.9/634/0///@EN_VTH_RISING				
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	603.461	599.892	602.874	606.394
Average	608.155	605.695	607.071	607.832
Max	613.011	612.154	614.322	608.566
UL	642.000	642.000	642.000	642.000

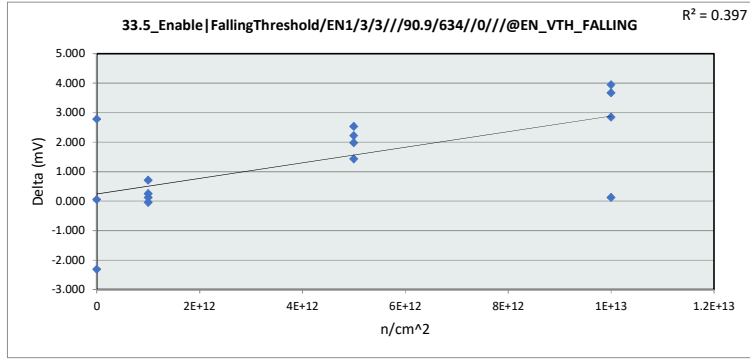


NDD Report
TPS7H4104-SP

33.5_Enable|FallingThreshold/EN1/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

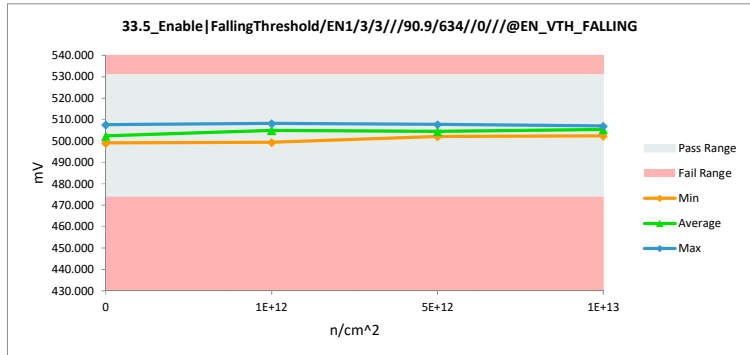
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	501.397	499.103	-2.294
0	2	504.913	507.710	2.797
0	3	500.444	500.513	0.069
1E+12	10	505.291	505.561	0.270
1E+12	11	499.487	499.459	-0.028
1E+12	12	508.090	508.230	0.140
1E+12	13	505.953	506.678	0.725
5E+12	14	501.542	502.987	1.446
5E+12	15	499.889	502.123	2.234
5E+12	16	502.287	504.837	2.549
5E+12	17	505.759	507.750	1.992
1E+13	18	503.332	507.017	3.685
1E+13	19	503.368	506.230	2.862
1E+13	20	502.306	502.444	0.139
1E+13	21	502.155	506.116	3.960
	Max	508.090	508.230	3.960
	Average	503.081	504.451	1.370
	Min	499.487	499.103	-2.294
	Std Dev	2.482	3.108	1.703



33.5_Enable|FallingThreshold/EN1

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	499.103	499.459	502.123	502.444
Average	502.442	504.982	504.424	505.452
Max	507.710	508.230	507.750	507.017
UL	531.000	531.000	531.000	531.000

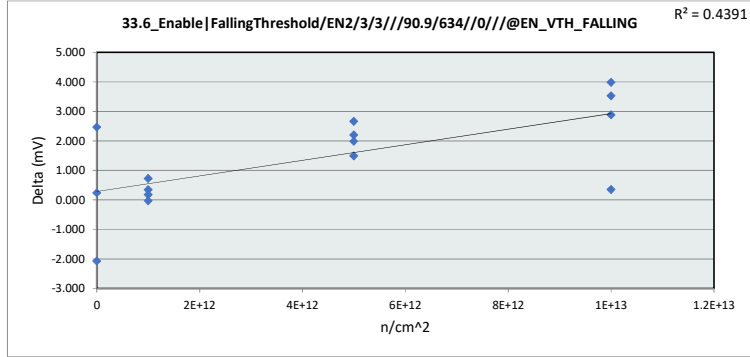


NDD Report
TPS7H4104-SP

33.6_Enable|FallingThreshold/EN2/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

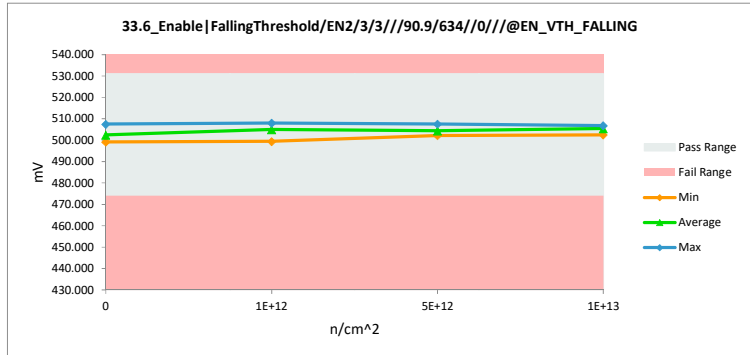
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	501.302	499.240	-2.062
0	2	505.065	507.550	2.486
0	3	500.371	500.621	0.250
1E+12	10	505.332	505.689	0.357
1E+12	11	499.424	499.404	-0.020
1E+12	12	507.851	508.043	0.192
1E+12	13	506.096	506.836	0.740
5E+12	14	501.646	503.154	1.507
5E+12	15	500.031	502.247	2.215
5E+12	16	502.334	505.010	2.677
5E+12	17	505.582	507.582	1.999
1E+13	18	503.361	506.904	3.542
1E+13	19	503.401	506.303	2.902
1E+13	20	502.166	502.530	0.365
1E+13	21	501.933	505.930	3.998
	Max	507.851	508.043	3.998
	Average	503.060	504.470	1.410
	Min	499.424	499.240	-2.062
	Std Dev	2.467	3.035	1.622



33.6_Enable|FallingThreshold/EN2

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	499.240	499.404	502.247	502.530
Average	502.471	504.993	504.498	505.417
Max	507.550	508.043	507.582	506.904
UL	531.000	531.000	531.000	531.000

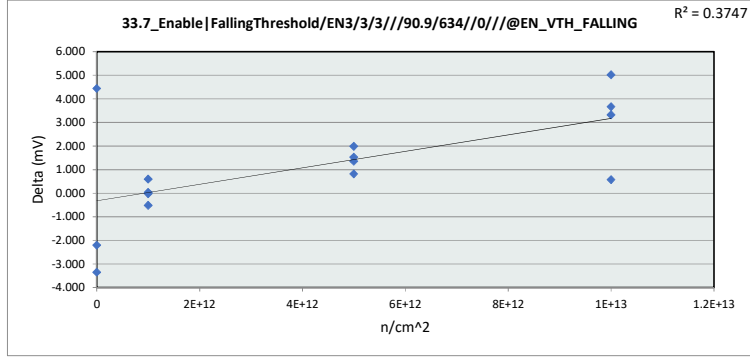


NDD Report
TPS7H4104-SP

33.7_Enable|FallingThreshold/EN3/3/3///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

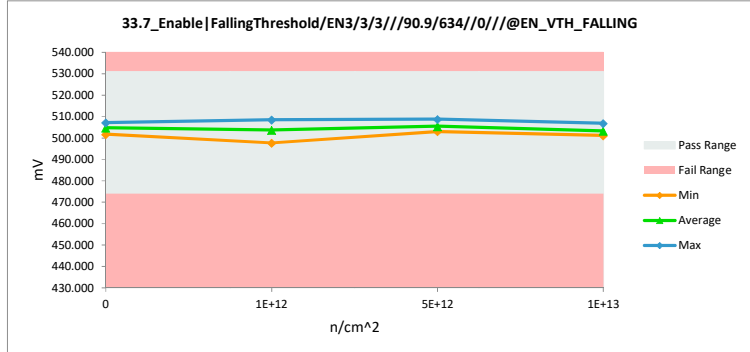
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	502.783	507.239	4.456
0	2	505.109	501.776	-3.333
0	3	507.581	505.398	-2.183
1E+12	10	498.203	497.705	-0.498
1E+12	11	507.981	508.595	0.614
1E+12	12	502.581	502.632	0.051
1E+12	13	506.046	506.044	-0.002
5E+12	14	507.438	508.806	1.368
5E+12	15	505.212	506.757	1.545
5E+12	16	501.277	503.282	2.005
5E+12	17	502.242	503.078	0.835
1E+13	18	499.055	502.740	3.685
1E+13	19	497.839	501.180	3.341
1E+13	20	502.078	502.668	0.591
1E+13	21	501.841	506.875	5.034
Max		507.981	508.806	5.034
Average		503.151	504.318	1.167
Min		497.839	497.705	-3.333
Std Dev		3.327	3.097	2.320



33.7_Enable|FallingThreshold/EN3

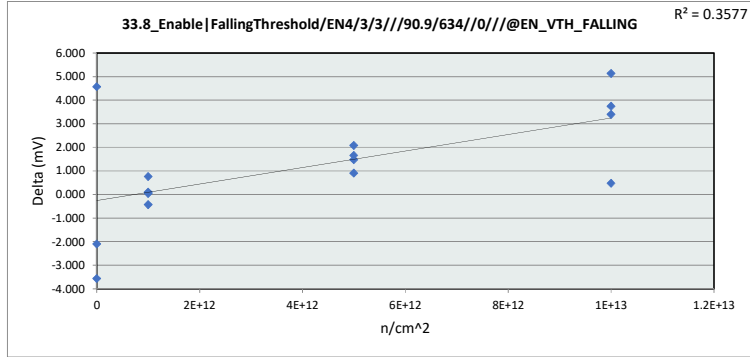
Test Site		
Tester		
Test Number		
Max Limit	531	mV
Min Limit	474	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	474.000	474.000	474.000	474.000
Min	501.776	497.705	503.078	501.180
Average	504.804	503.744	505.481	503.366
Max	507.239	508.595	508.806	506.875
UL	531.000	531.000	531.000	531.000

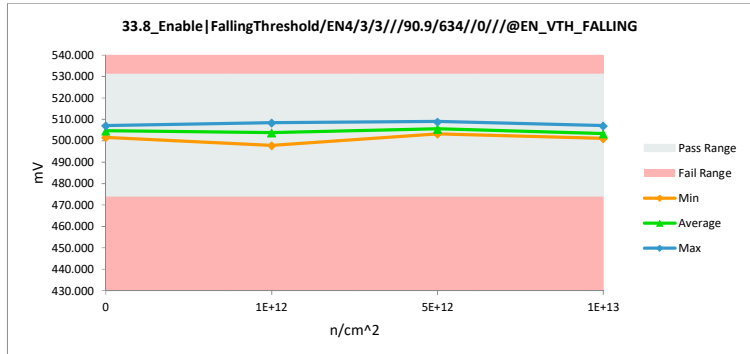


NDD Report
TPS7H4104-SP

33.8_Enable FallingThreshold/EN4/3/3///90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	532		531	
Min Limit	473		474	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	502.584	507.173	4.589
0	2	505.185	501.640	-3.544
0	3	507.430	505.354	-2.075
1E+12	10	498.266	497.858	-0.408
1E+12	11	507.724	508.502	0.777
1E+12	12	502.661	502.784	0.124
1E+12	13	506.125	506.188	0.063
5E+12	14	507.484	508.978	1.494
5E+12	15	505.262	506.938	1.675
5E+12	16	501.095	503.190	2.096
5E+12	17	502.294	503.223	0.929
1E+13	18	499.086	502.845	3.758
1E+13	19	497.689	501.108	3.419
1E+13	20	502.159	502.651	0.492
1E+13	21	501.931	507.083	5.152
	Max	507.724	508.978	5.152
	Average	503.132	504.368	1.236
	Min	497.689	497.858	-3.544
	Std Dev	3.313	3.110	2.371



33.8_Enable FallingThreshold/EN4				
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	501.640	497.858	503.190	501.108
Average	504.723	503.833	505.582	503.422
Max	507.173	508.502	508.978	507.083
UL	531.000	531.000	531.000	531.000

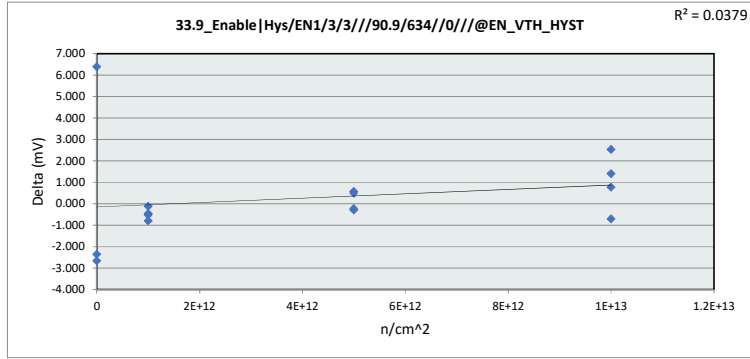


NDD Report TPS7H4104-SP

33.9_Enable|Hys/EN1/3/3///90.9/634//0///@

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

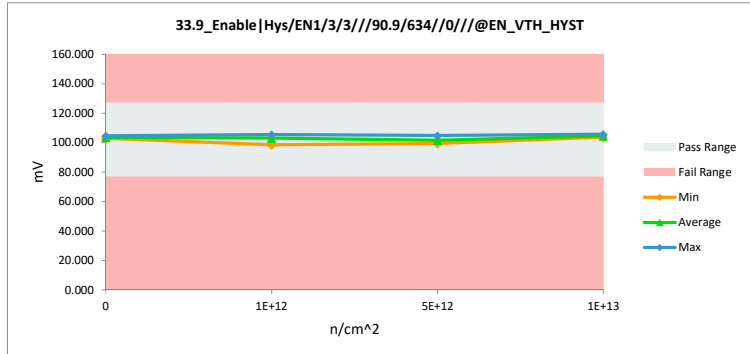
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	105.531	103.194	-2.337
0	2	98.179	104.595	6.416
0	3	105.668	103.028	-2.640
1E+12	10	103.916	103.818	-0.098
1E+12	11	105.313	104.819	-0.494
1E+12	12	105.837	105.405	-0.432
1E+12	13	99.284	98.510	-0.774
5E+12	14	100.241	100.750	0.510
5E+12	15	101.686	101.479	-0.208
5E+12	16	99.713	99.447	-0.266
5E+12	17	104.168	104.760	0.592
1E+13	18	103.946	105.373	1.427
1E+13	19	101.159	103.709	2.550
1E+13	20	104.702	104.015	-0.688
1E+13	21	104.938	105.731	0.794
Max		105.837	105.731	6.416
Average		102.952	103.242	0.290
Min		98.179	98.510	-2.640
Std Dev		2.635	2.226	2.134



33.9_Enable|Hys/EN1/3/3///90.9

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	103.028	98.510	99.447	103.709
Average	103.606	103.138	101.609	104.707
Max	104.595	105.405	104.760	105.732
UL	127.000	127.000	127.000	127.000

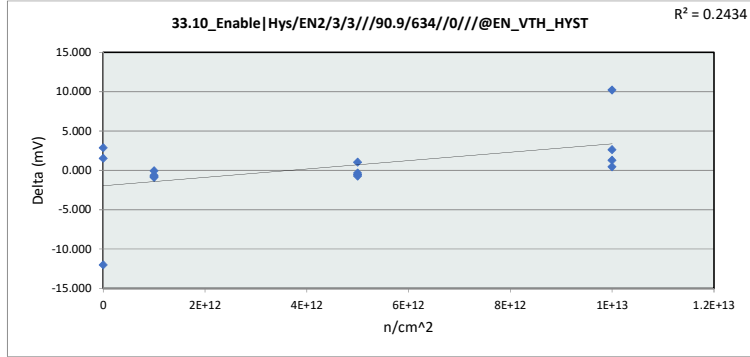


NDD Report
TPS7H4104-SP

33.10_Enable|Hys/EN2/3/3///90.9/634/0///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

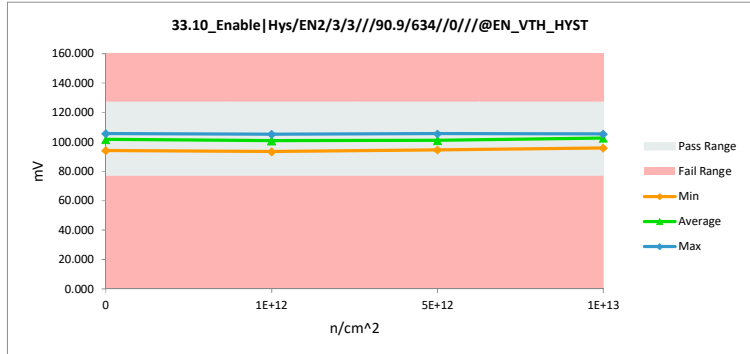
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	102.817	105.749	2.932
0	2	106.162	94.180	-11.982
0	3	103.468	105.050	1.581
1E+12	10	104.679	103.842	-0.837
1E+12	11	100.860	100.850	-0.010
1E+12	12	93.938	93.365	-0.573
1E+12	13	106.008	105.268	-0.741
5E+12	14	104.448	105.534	1.086
5E+12	15	105.337	104.680	-0.657
5E+12	16	99.928	99.457	-0.471
5E+12	17	94.912	94.635	-0.277
1E+13	18	104.146	105.480	1.334
1E+13	19	101.347	104.023	2.676
1E+13	20	95.140	105.423	10.284
1E+13	21	95.439	95.946	0.507
	Max	106.162	105.749	10.284
	Average	101.242	101.566	0.324
	Min	93.938	93.365	-11.982
	Std Dev	4.374	4.755	4.404



33.10_Enable|Hys/EN2/3/3///90.

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	94.180	93.365	94.635	95.946
Average	101.660	100.831	101.077	102.718
Max	105.749	105.268	105.534	105.480
UL	127.000	127.000	127.000	127.000

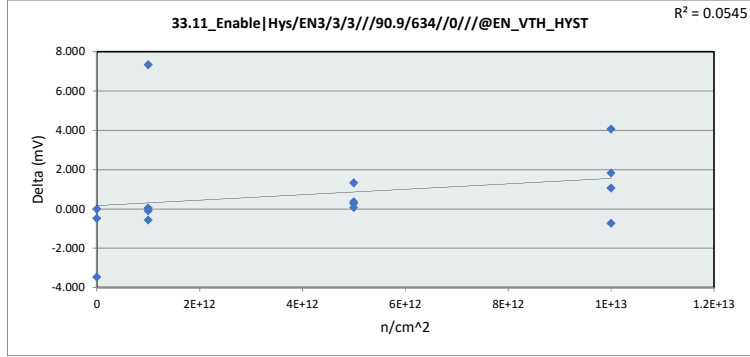


NDD Report
TPS7H4104-SP

33.11_Enable|Hys/EN3/3/3///90.9/634//0///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

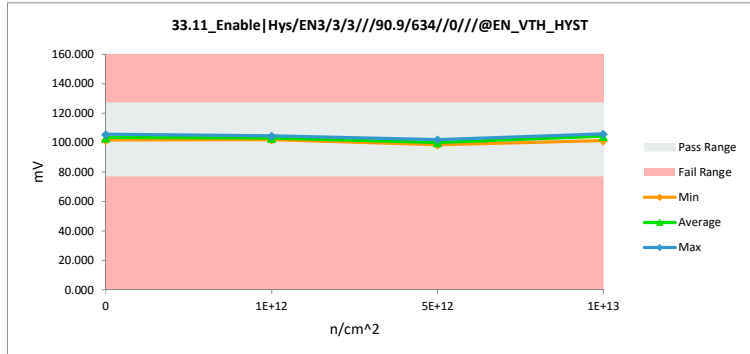
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	106.145	105.689	-0.456
0	2	101.840	101.854	0.013
0	3	106.332	102.888	-3.444
1E+12	10	102.001	102.067	0.066
1E+12	11	97.312	104.672	7.360
1E+12	12	103.727	103.183	-0.543
1E+12	13	102.465	102.388	-0.077
5E+12	14	100.127	100.225	0.098
5E+12	15	98.304	98.688	0.384
5E+12	16	99.374	99.676	0.301
5E+12	17	100.780	102.135	1.355
1E+13	18	104.212	105.286	1.075
1E+13	19	103.544	105.398	1.854
1E+13	20	101.905	105.993	4.089
1E+13	21	102.137	101.427	-0.709
Max		106.332	105.993	7.360
Average		102.014	102.771	0.758
Min		97.312	98.688	-3.444
Std Dev		2.591	2.273	2.418



33.11_Enable|Hys/EN3/3/3///90.9/634//0///

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	101.854	102.068	98.688	101.427
Average	103.477	103.078	100.181	104.526
Max	105.689	104.672	102.135	105.993
UL	127.000	127.000	127.000	127.000

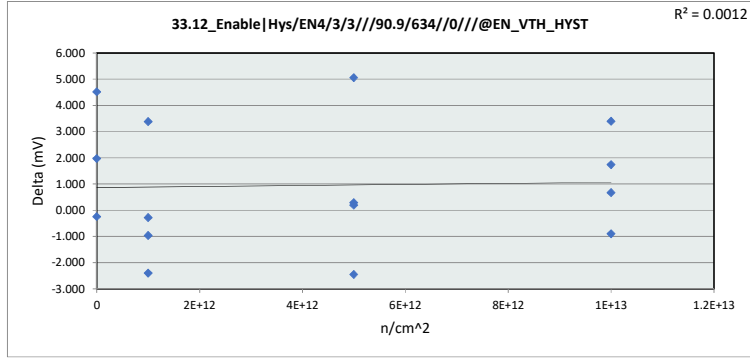


NDD Report
TPS7H4104-SP

33.12_Enable|Hys/EN4/3/3///90.9/634//0///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

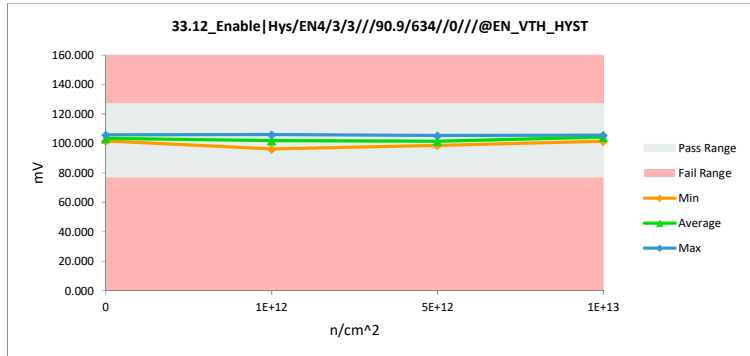
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	103.847	105.837	1.991
0	2	102.050	101.821	-0.229
0	3	98.109	102.640	4.531
1E+12	10	102.299	102.034	-0.264
1E+12	11	97.311	96.365	-0.946
1E+12	12	105.465	103.082	-2.383
1E+12	13	102.567	105.967	3.400
5E+12	14	100.273	105.344	5.071
5E+12	15	98.443	98.654	0.210
5E+12	16	99.377	99.684	0.307
5E+12	17	104.714	102.275	-2.439
1E+13	18	104.538	105.227	0.689
1E+13	19	103.529	105.286	1.757
1E+13	20	102.232	105.646	3.415
1E+13	21	102.362	101.483	-0.880
Max		105.465	105.967	5.071
Average		101.808	102.756	0.949
Min		97.311	96.365	-2.439
Std Dev		2.553	2.901	2.346



33.12_Enable|Hys/EN4/3/3///90.

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	101.821	96.365	98.654	101.483
Average	103.433	101.862	101.489	104.410
Max	105.837	105.967	105.344	105.646
UL	127.000	127.000	127.000	127.000

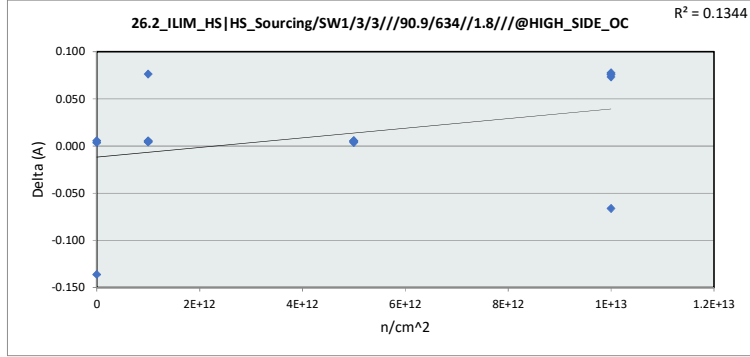


NDD Report
TPS7H4104-SP

26.2_ILIM_HS|HS_Sourcing/SW1/3/3//90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

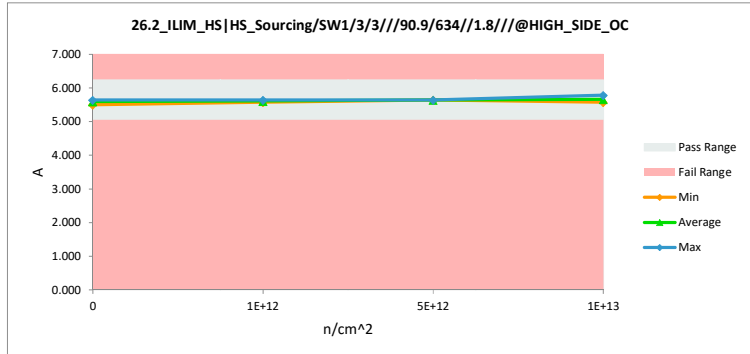
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.782	5.646	-0.136
0	2	5.499	5.504	0.004
0	3	5.640	5.646	0.006
1E+12	10	5.570	5.575	0.005
1E+12	11	5.570	5.575	0.005
1E+12	12	5.640	5.646	0.006
1E+12	13	5.570	5.646	0.077
5E+12	14	5.641	5.646	0.005
5E+12	15	5.640	5.646	0.006
5E+12	16	5.642	5.646	0.004
5E+12	17	5.640	5.646	0.006
1E+13	18	5.711	5.789	0.078
1E+13	19	5.501	5.575	0.074
1E+13	20	5.641	5.575	-0.066
1E+13	21	5.641	5.717	0.076
Max		5.782	5.789	0.078
Average		5.622	5.632	0.010
Min		5.499	5.504	-0.136
Std Dev		0.073	0.067	0.056



26.2_ILIM_HS|HS_Sourcing/SW1/

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	5.504	5.575	5.646	5.575
Average	5.599	5.611	5.646	5.664
Max	5.646	5.646	5.646	5.789
UL	6.240	6.240	6.240	6.240

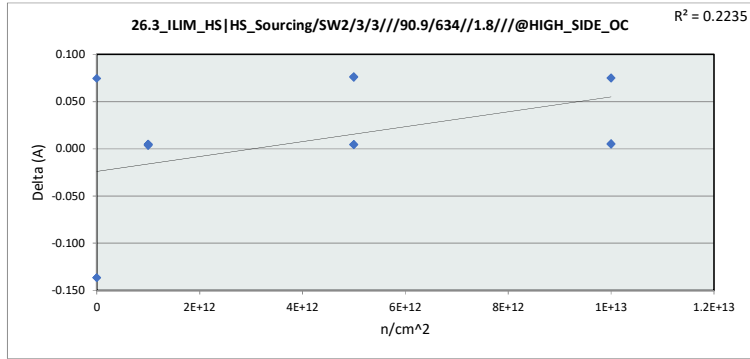


NDD Report
TPS7H4104-SP

26.3_ILIM_HS|HS_Sourcing/SW2/3/3//90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

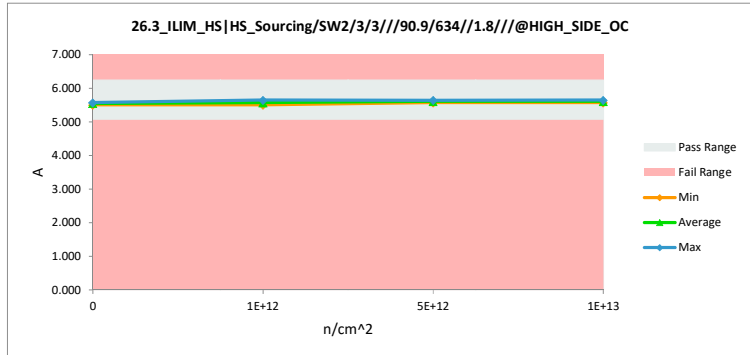
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.711	5.574	-0.136
0	2	5.640	5.503	-0.136
0	3	5.500	5.575	0.075
1E+12	10	5.500	5.504	0.004
1E+12	11	5.569	5.574	0.005
1E+12	12	5.640	5.646	0.005
1E+12	13	5.569	5.574	0.005
5E+12	14	5.569	5.574	0.005
5E+12	15	5.569	5.574	0.005
5E+12	16	5.569	5.646	0.077
5E+12	17	5.569	5.646	0.076
1E+13	18	5.640	5.646	0.006
1E+13	19	5.499	5.575	0.075
1E+13	20	5.569	5.575	0.005
1E+13	21	5.570	5.645	0.075
Max		5.711	5.646	0.077
Average		5.579	5.589	0.010
Min		5.499	5.503	-0.136
Std Dev		0.059	0.048	0.068



26.3_ILIM_HS|HS_Sourcing/SW2/

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	5.504	5.504	5.574	5.575
Average	5.551	5.574	5.610	5.610
Max	5.575	5.646	5.646	5.646
UL	6.240	6.240	6.240	6.240

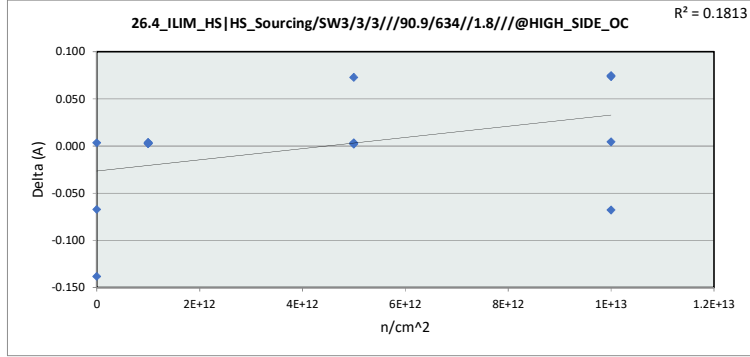


NDD Report
TPS7H4104-SP

26.4_ILIM_HS|HS_Sourcing/SW3/3/3//90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

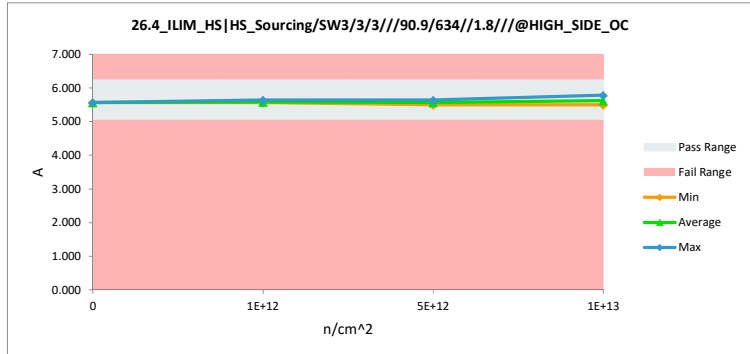
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.709	5.571	-0.138
0	2	5.638	5.571	-0.067
0	3	5.567	5.571	0.004
1E+12	10	5.568	5.571	0.003
1E+12	11	5.638	5.642	0.004
1E+12	12	5.568	5.571	0.003
1E+12	13	5.568	5.571	0.004
5E+12	14	5.568	5.571	0.003
5E+12	15	5.498	5.500	0.002
5E+12	16	5.638	5.642	0.004
5E+12	17	5.498	5.571	0.073
1E+13	18	5.780	5.785	0.005
1E+13	19	5.497	5.571	0.074
1E+13	20	5.568	5.500	-0.067
1E+13	21	5.567	5.642	0.075
	Max	5.780	5.785	0.075
	Average	5.591	5.590	-0.001
	Min	5.497	5.500	-0.138
	Std Dev	0.079	0.068	0.056



26.4_ILIM_HS|HS_Sourcing/SW3/

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	5.571	5.500	5.500
Average	5.571	5.589	5.571	5.625
Max	5.571	5.642	5.642	5.785
UL	6.240	6.240	6.240	6.240

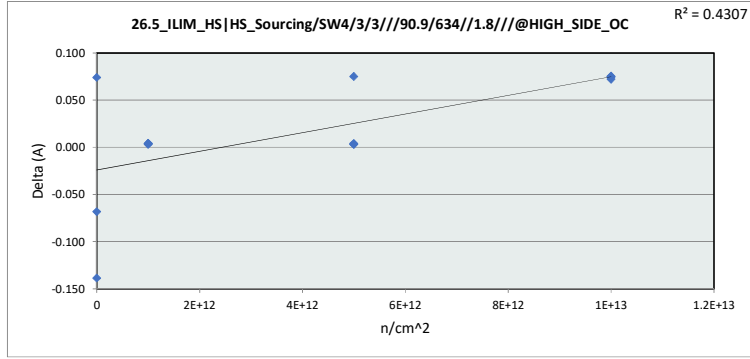


NDD Report
TPS7H4104-SP

26.5_ILIM_HS|HS_Sourcing/SW4/3/3//90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

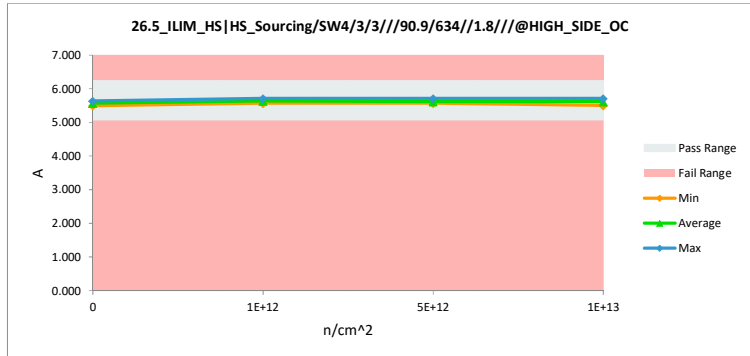
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.710	5.571	-0.138
0	2	5.568	5.501	-0.068
0	3	5.568	5.643	0.074
1E+12	10	5.639	5.643	0.004
1E+12	11	5.568	5.572	0.004
1E+12	12	5.638	5.643	0.004
1E+12	13	5.709	5.714	0.005
5E+12	14	5.568	5.571	0.004
5E+12	15	5.568	5.571	0.004
5E+12	16	5.639	5.643	0.004
5E+12	17	5.639	5.714	0.076
1E+13	18	5.639	5.714	0.076
1E+13	19	5.429	5.501	0.073
1E+13	20	5.568	5.643	0.075
1E+13	21	5.568	5.643	0.075
Max		5.710	5.714	0.076
Average		5.601	5.619	0.018
Min		5.429	5.501	-0.138
Std Dev		0.070	0.070	0.061



26.5_ILIM_HS|HS_Sourcing/SW4/

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	5.501	5.572	5.571	5.501
Average	5.572	5.643	5.625	5.625
Max	5.643	5.714	5.715	5.715
UL	6.240	6.240	6.240	6.240

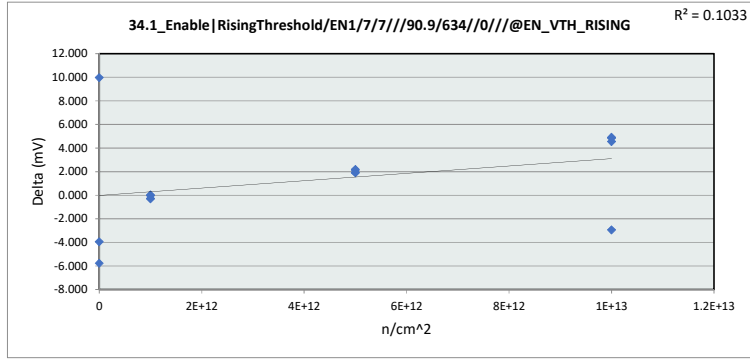


NDD Report
TPS7H4104-SP

34.1_Enable|RisingThreshold/EN1/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

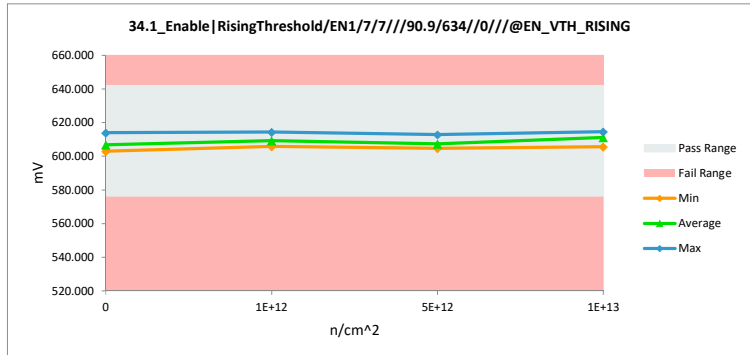
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	608.750	603.012	-5.738
0	2	603.959	613.955	9.996
0	3	607.615	603.696	-3.919
1E+12	10	610.459	610.517	0.058
1E+12	11	606.762	606.481	-0.281
1E+12	12	614.675	614.444	-0.231
1E+12	13	605.831	605.838	0.007
5E+12	14	602.520	604.746	2.226
5E+12	15	602.930	604.857	1.927
5E+12	16	604.765	606.736	1.971
5E+12	17	610.810	612.974	2.165
1E+13	18	610.104	614.681	4.577
1E+13	19	605.776	610.715	4.939
1E+13	20	608.702	605.801	-2.901
1E+13	21	608.794	613.672	4.877
	Max	614.675	614.681	9.996
	Average	607.497	608.808	1.312
	Min	602.520	603.012	-5.738
	Std Dev	3.324	4.307	3.940



34.1_Enable|RisingThreshold/EN1/

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	603.012	605.838	604.746	605.801
Average	606.888	609.320	607.328	611.217
Max	613.955	614.444	612.974	614.681
UL	642.000	642.000	642.000	642.000

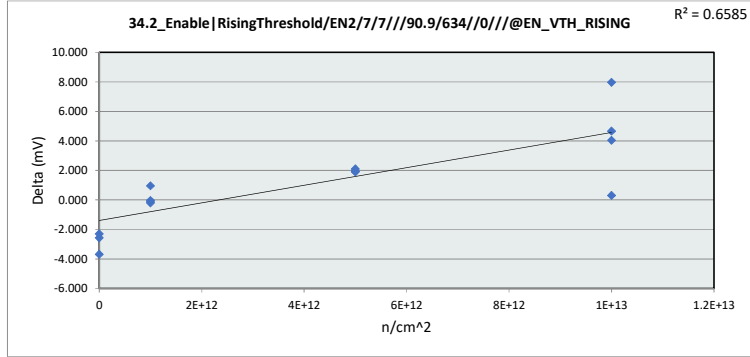


NDD Report
TPS7H4104-SP

34.2_Enable|RisingThreshold/EN2/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

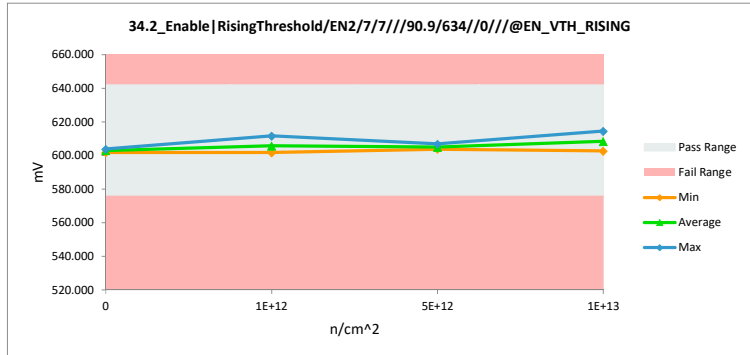
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	605.854	603.304	-2.550
0	2	604.105	601.830	-2.275
0	3	607.489	603.821	-3.668
1E+12	10	610.703	611.682	0.979
1E+12	11	601.822	601.717	-0.106
1E+12	12	603.852	603.671	-0.181
1E+12	13	605.924	605.917	-0.006
5E+12	14	602.747	604.879	2.132
5E+12	15	603.007	604.940	1.933
5E+12	16	604.878	606.852	1.974
5E+12	17	601.806	603.745	1.939
1E+13	18	610.440	614.512	4.072
1E+13	19	610.550	610.876	0.326
1E+13	20	597.906	605.909	8.003
1E+13	21	597.936	602.631	4.695
	Max	610.703	614.512	8.003
	Average	604.601	605.752	1.151
	Min	597.906	601.717	-3.668
	Std Dev	4.053	3.783	2.988



34.2_Enable|RisingThreshold/EN2/

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	601.830	601.717	603.745	602.631
Average	602.985	605.747	605.104	608.482
Max	603.821	611.682	606.852	614.512
UL	642.000	642.000	642.000	642.000

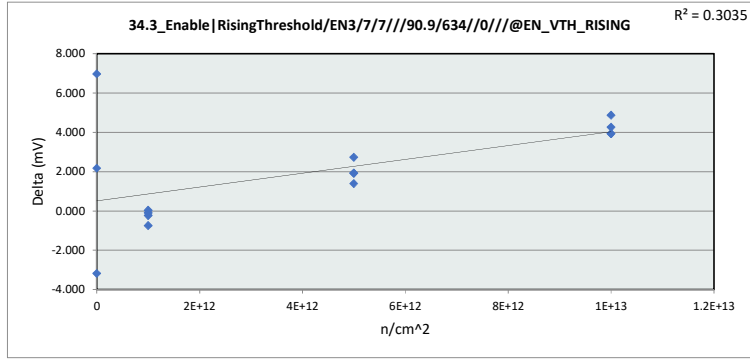


NDD Report
TPS7H4104-SP

34.3_Enable|RisingThreshold/EN3/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	645	642
Min Limit	573	576

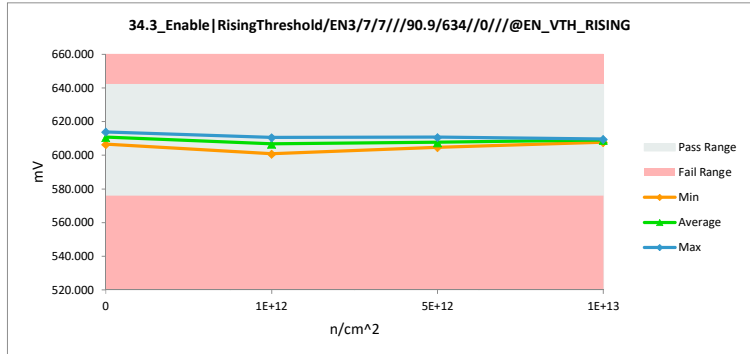
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	611.770	613.960	2.190
0	2	609.665	606.505	-3.159
0	3	604.973	611.963	6.990
1E+12	10	601.595	600.872	-0.723
1E+12	11	606.847	606.904	0.058
1E+12	12	608.953	608.741	-0.212
1E+12	13	610.726	610.652	-0.074
5E+12	14	609.344	610.753	1.410
5E+12	15	605.670	607.612	1.941
5E+12	16	602.001	604.751	2.749
5E+12	17	605.559	607.503	1.944
1E+13	18	605.319	609.598	4.279
1E+13	19	602.956	607.842	4.885
1E+13	20	605.626	609.572	3.946
1E+13	21	605.609	609.564	3.955
	Max	611.770	613.960	6.990
	Average	606.441	608.453	2.012
	Min	601.595	600.872	-3.159
	Std Dev	3.088	3.117	2.591



34.3_Enable|RisingThreshold/EN3/

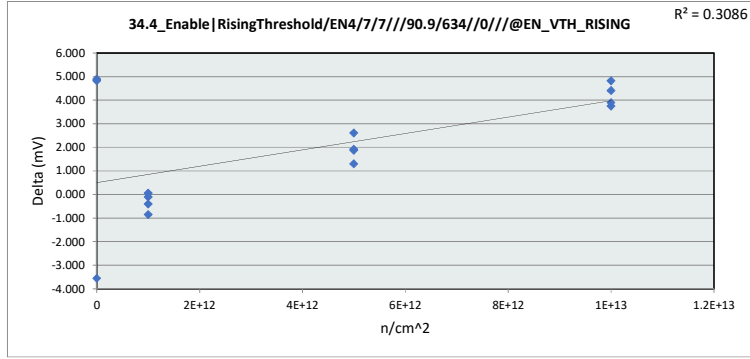
Test Site		
Tester		
Test Number		
Max Limit	642	mV
Min Limit	576	mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	576.000	576.000	576.000	576.000
Min	606.505	600.872	604.751	607.842
Average	610.810	606.792	607.655	609.144
Max	613.960	610.652	610.754	609.598
UL	642.000	642.000	642.000	642.000

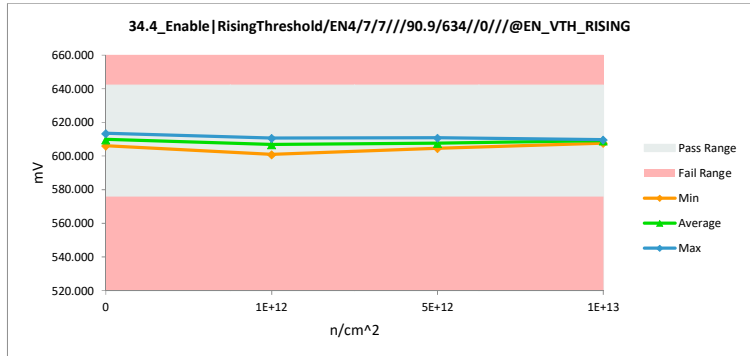


NDD Report
TPS7H4104-SP

34.4_Enable RisingThreshold/EN4/7/7///90.9/				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	645		642	
Min Limit	573		576	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	608.646	613.558	4.912
0	2	609.794	606.263	-3.532
0	3	604.930	609.771	4.841
1E+12	10	601.790	600.960	-0.830
1E+12	11	606.733	606.813	0.079
1E+12	12	609.216	608.830	-0.386
1E+12	13	610.901	610.820	-0.082
5E+12	14	609.520	610.838	1.318
5E+12	15	605.825	607.721	1.896
5E+12	16	601.940	604.568	2.628
5E+12	17	605.755	607.688	1.932
1E+13	18	605.193	609.619	4.426
1E+13	19	602.917	607.759	4.843
1E+13	20	605.800	609.564	3.764
1E+13	21	605.789	609.706	3.916
	Max	610.901	613.558	4.912
	Average	606.317	608.298	1.982
	Min	601.790	600.960	-3.532
	Std Dev	2.840	2.968	2.542



34.4_Enable RisingThreshold/EN4/7/7///90.9/634/0///@EN_VTH_RISING				
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	606.263	600.960	604.568	607.759
Average	609.864	606.856	607.703	609.162
Max	613.558	610.820	610.838	609.706
UL	642.000	642.000	642.000	642.000

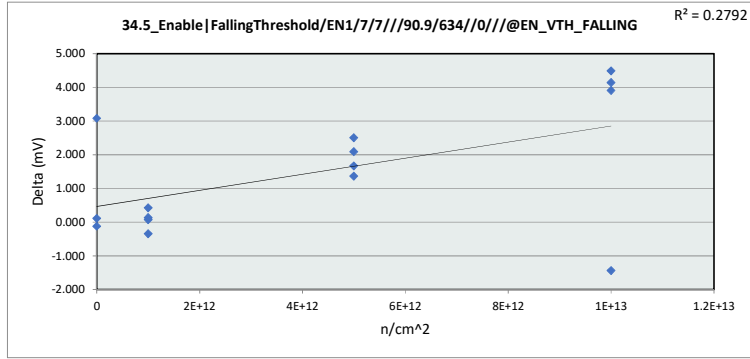


NDD Report
TPS7H4104-SP

34.5_Enable|FallingThreshold/EN1/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

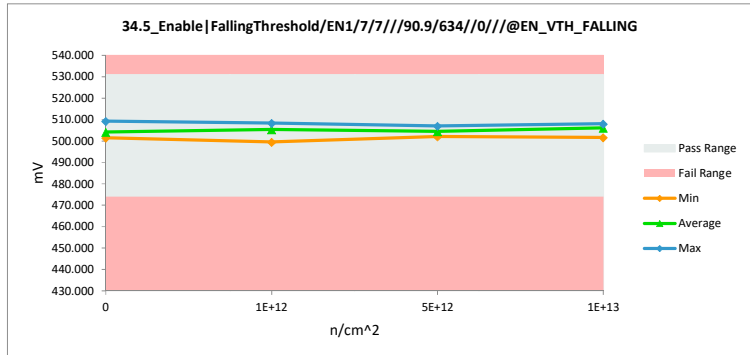
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	501.670	501.795	0.125
0	2	506.248	509.343	3.095
0	3	501.596	501.488	-0.108
1E+12	10	505.586	505.735	0.149
1E+12	11	499.903	499.574	-0.329
1E+12	12	508.329	508.414	0.085
1E+12	13	507.259	507.697	0.438
5E+12	14	502.133	503.813	1.680
5E+12	15	500.708	502.086	1.378
5E+12	16	503.138	505.241	2.103
5E+12	17	504.580	507.096	2.516
1E+13	18	503.546	508.046	4.500
1E+13	19	503.699	507.617	3.918
1E+13	20	503.135	501.713	-1.422
1E+13	21	503.224	507.377	4.153
	Max	508.329	509.343	4.500
	Average	503.650	505.136	1.485
	Min	499.903	499.574	-1.422
	Std Dev	2.393	3.129	1.836



34.5_Enable|FallingThreshold/EN1

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	501.488	499.574	502.086	501.713
Average	504.209	505.355	504.559	506.188
Max	509.343	508.414	507.096	508.046
UL	531.000	531.000	531.000	531.000

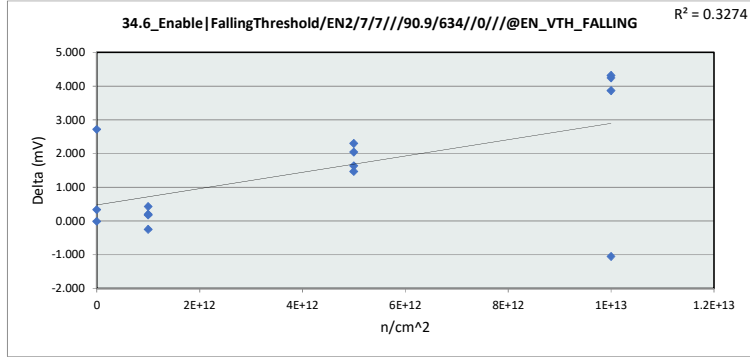


NDD Report
TPS7H4104-SP

34.6_Enable|FallingThreshold/EN2/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

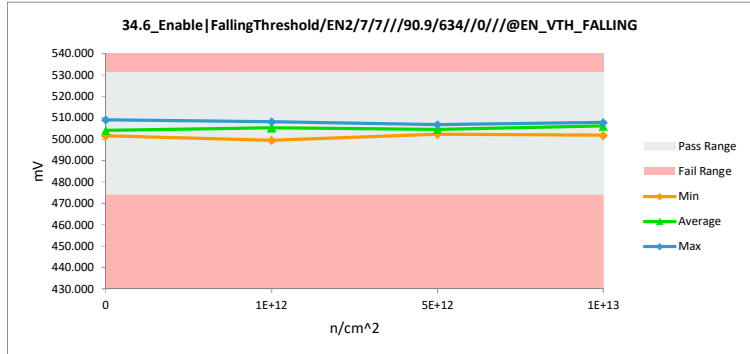
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	501.599	501.948	0.349
0	2	506.377	509.106	2.729
0	3	501.546	501.548	0.002
1E+12	10	505.671	505.880	0.209
1E+12	11	499.755	499.516	-0.239
1E+12	12	508.043	508.231	0.188
1E+12	13	507.409	507.850	0.441
5E+12	14	502.322	503.971	1.649
5E+12	15	500.827	502.305	1.479
5E+12	16	503.321	505.378	2.057
5E+12	17	504.529	506.845	2.316
1E+13	18	503.562	507.891	4.328
1E+13	19	503.828	507.707	3.879
1E+13	20	502.886	501.846	-1.040
1E+13	21	502.947	507.201	4.254
Max		508.043	509.106	4.328
Average		503.641	505.148	1.507
Min		499.755	499.516	-1.040
Std Dev		2.398	3.041	1.718



34.6_Enable|FallingThreshold/EN2

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	501.548	499.516	502.305	501.846
Average	504.201	505.369	504.625	506.161
Max	509.106	508.231	506.845	507.891
UL	531.000	531.000	531.000	531.000

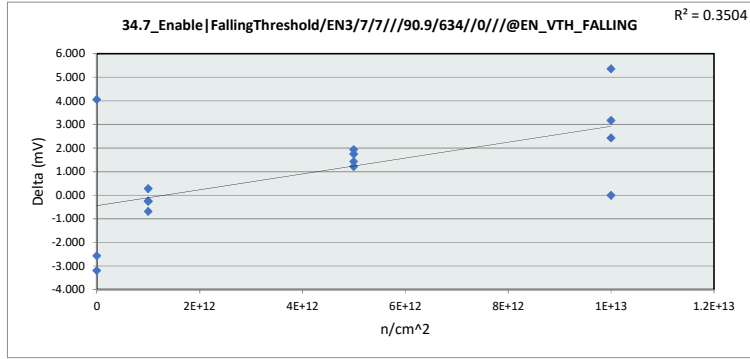


NDD Report
TPS7H4104-SP

34.7_Enable|FallingThreshold/EN3/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

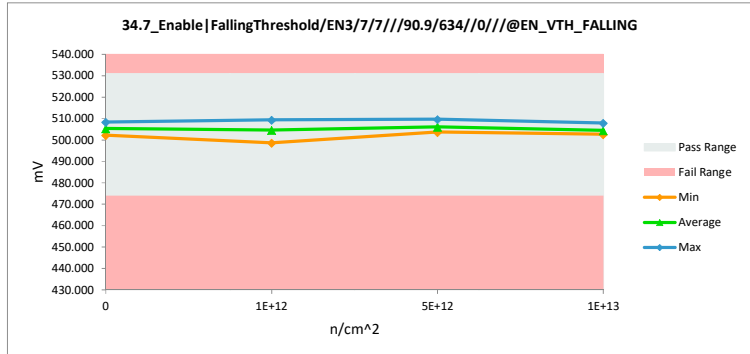
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	504.371	508.448	4.077
0	2	505.448	502.269	-3.179
0	3	508.283	505.730	-2.553
1E+12	10	499.419	498.745	-0.674
1E+12	11	509.134	509.434	0.299
1E+12	12	503.634	503.394	-0.240
1E+12	13	507.372	507.138	-0.234
5E+12	14	507.738	509.690	1.952
5E+12	15	505.443	506.677	1.235
5E+12	16	502.249	503.694	1.445
5E+12	17	502.712	504.478	1.766
1E+13	18	500.724	503.913	3.188
1E+13	19	501.025	503.471	2.446
1E+13	20	502.620	502.632	0.012
1E+13	21	502.619	507.999	5.380
	Max	509.134	509.690	5.380
	Average	504.186	505.181	0.995
	Min	499.419	498.745	-3.179
	Std Dev	2.965	3.050	2.310



34.7_Enable|FallingThreshold/EN3

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	502.269	498.745	503.694	502.632
Average	505.482	504.678	506.135	504.504
Max	508.448	509.434	509.690	507.999
UL	531.000	531.000	531.000	531.000

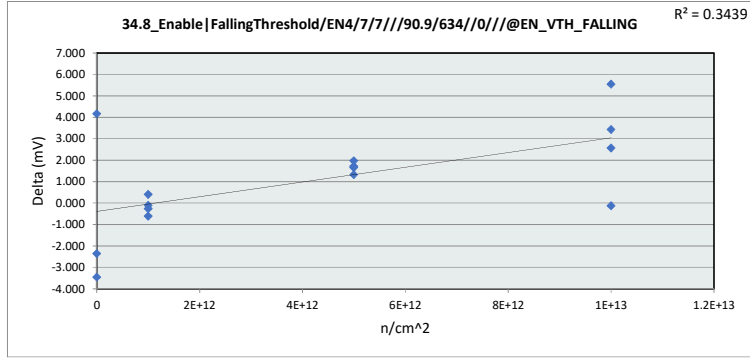


NDD Report
TPS7H4104-SP

34.8_Enable|FallingThreshold/EN4/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	532	531
Min Limit	473	474

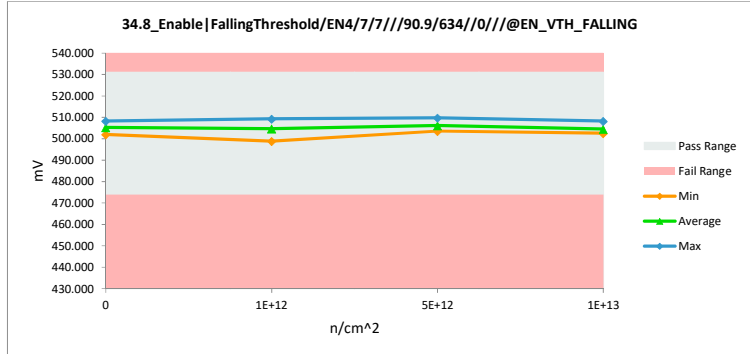
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	504.128	508.311	4.183
0	2	505.481	502.046	-3.435
0	3	507.942	505.607	-2.335
1E+12	10	499.471	498.883	-0.588
1E+12	11	508.860	509.286	0.426
1E+12	12	503.723	503.485	-0.238
1E+12	13	507.433	507.347	-0.086
5E+12	14	507.835	509.824	1.989
5E+12	15	505.477	506.824	1.347
5E+12	16	501.918	503.595	1.677
5E+12	17	502.795	504.536	1.741
1E+13	18	500.616	504.067	3.451
1E+13	19	500.798	503.392	2.593
1E+13	20	502.703	502.598	-0.105
1E+13	21	502.701	508.262	5.561
	Max	508.860	509.824	5.561
	Average	504.125	505.204	1.079
	Min	499.471	498.883	-3.435
	Std Dev	2.943	3.067	2.377



34.8_Enable|FallingThreshold/EN4

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	502.046	498.883	503.595	502.598
Average	505.321	504.750	506.195	504.580
Max	508.311	509.286	509.824	508.262
UL	531.000	531.000	531.000	531.000

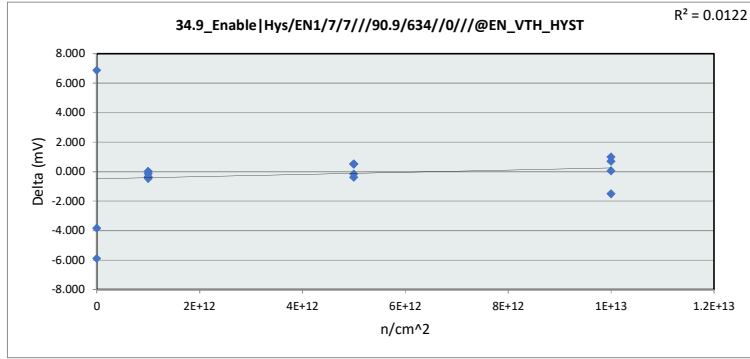


NDD Report
TPS7H4104-SP

34.9_Enable|Hys/EN1/7/7///90.9/634//0///@

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

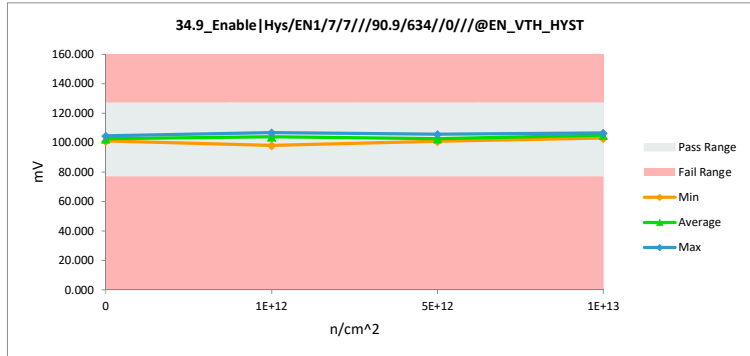
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	107.081	101.217	-5.864
0	2	97.711	104.612	6.901
0	3	106.019	102.208	-3.811
1E+12	10	104.873	104.782	-0.091
1E+12	11	106.859	106.907	0.048
1E+12	12	106.345	106.030	-0.316
1E+12	13	98.571	98.141	-0.430
5E+12	14	100.387	100.933	0.546
5E+12	15	102.222	102.771	0.549
5E+12	16	101.628	101.495	-0.132
5E+12	17	106.229	105.878	-0.351
1E+13	18	106.559	106.635	0.076
1E+13	19	102.077	103.098	1.021
1E+13	20	105.566	104.088	-1.479
1E+13	21	105.570	106.294	0.724
Max		107.081	106.907	6.901
Average		103.846	103.673	-0.174
Min		97.711	98.141	-5.864
Std Dev		3.147	2.549	2.684



34.9_Enable|Hys/EN1/7/7///90.9

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	101.217	98.141	100.933	103.098
Average	102.679	103.965	102.769	105.029
Max	104.612	106.907	105.878	106.635
UL	127.000	127.000	127.000	127.000

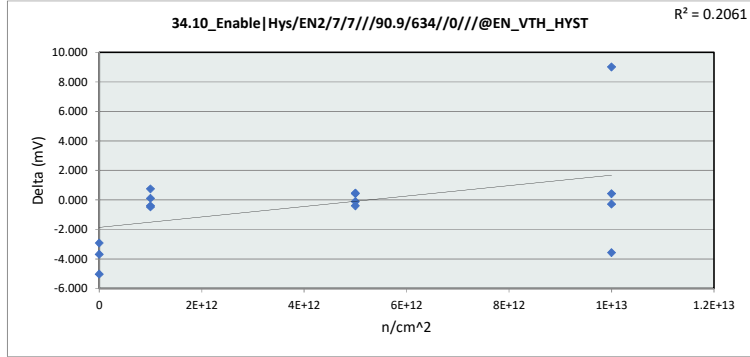


NDD Report
TPS7H4104-SP

34.10_Enable|Hys/EN2/7/7///90.9/634/0///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

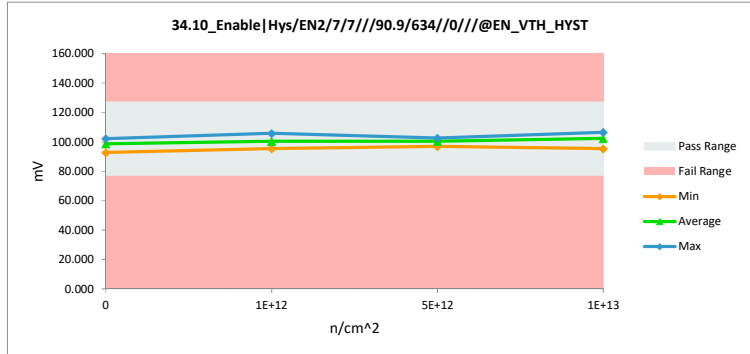
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	104.255	101.356	-2.899
0	2	97.728	92.724	-5.004
0	3	105.943	102.274	-3.670
1E+12	10	105.032	105.802	0.770
1E+12	11	102.067	102.201	0.134
1E+12	12	95.809	95.440	-0.369
1E+12	13	98.515	98.068	-0.447
5E+12	14	100.425	100.908	0.482
5E+12	15	102.180	102.635	0.454
5E+12	16	101.557	101.474	-0.084
5E+12	17	97.276	96.900	-0.377
1E+13	18	106.878	106.621	-0.256
1E+13	19	106.723	103.170	-3.553
1E+13	20	95.020	104.063	9.043
1E+13	21	94.990	95.431	0.441
	Max	106.878	106.621	9.043
	Average	100.960	100.604	-0.356
	Min	94.990	92.724	-5.004
	Std Dev	4.237	4.038	3.176



34.10_Enable|Hys/EN2/7/7///90.

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	92.724	95.440	96.900	95.431
Average	98.785	100.378	100.479	102.321
Max	102.274	105.802	102.635	106.622
UL	127.000	127.000	127.000	127.000

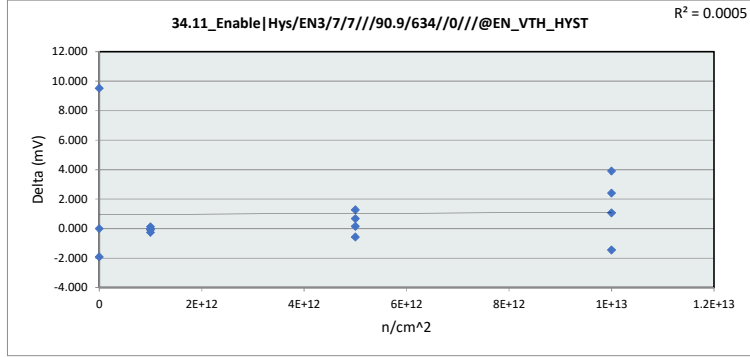


NDD Report
TPS7H4104-SP

34.11_Enable|Hys/EN3/7/7///90.9/634//0///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

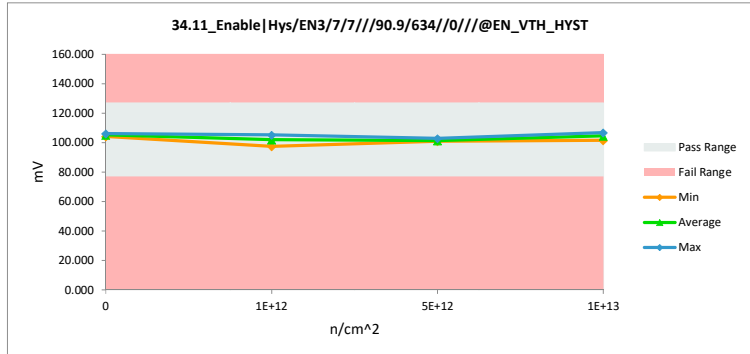
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	107.399	105.511	-1.887
0	2	104.216	104.236	0.020
0	3	96.690	106.233	9.544
1E+12	10	102.175	102.127	-0.048
1E+12	11	97.712	97.471	-0.241
1E+12	12	105.319	105.347	0.028
1E+12	13	103.354	103.514	0.160
5E+12	14	101.606	101.063	-0.542
5E+12	15	100.228	100.934	0.707
5E+12	16	99.752	101.057	1.305
5E+12	17	102.846	103.024	0.178
1E+13	18	104.595	105.686	1.091
1E+13	19	101.931	104.370	2.439
1E+13	20	103.006	106.940	3.934
1E+13	21	102.990	101.565	-1.425
Max		107.399	106.940	9.544
Average		102.255	103.272	1.017
Min		96.690	97.471	-1.887
Std Dev		2.807	2.574	2.757



34.11_Enable|Hys/EN3/7/7///90.

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	104.236	97.471	100.934	101.565
Average	105.327	102.115	101.520	104.640
Max	106.234	105.347	103.024	106.940
UL	127.000	127.000	127.000	127.000

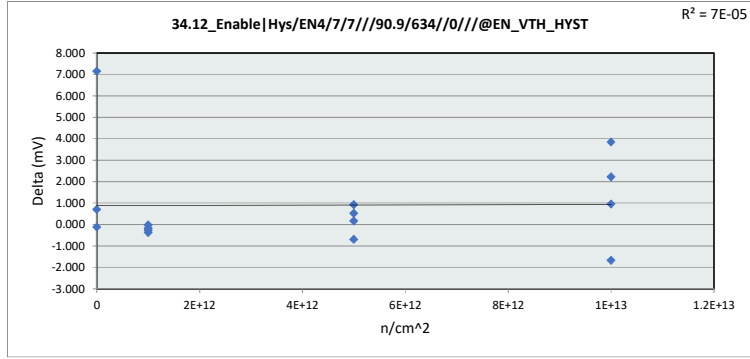


NDD Report
TPS7H4104-SP

34.12_Enable|Hys/EN4/7/7///90.9/634//0///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	130	127
Min Limit	74	77

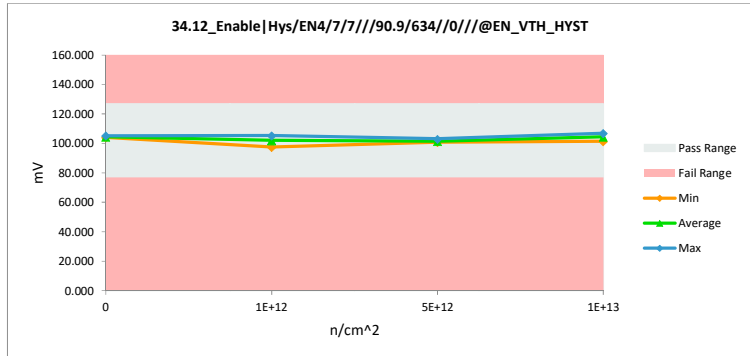
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	104.518	105.247	0.730
0	2	104.313	104.217	-0.096
0	3	96.988	104.164	7.176
1E+12	10	102.319	102.077	-0.242
1E+12	11	97.873	97.527	-0.346
1E+12	12	105.493	105.345	-0.148
1E+12	13	103.468	103.472	0.004
5E+12	14	101.685	101.014	-0.671
5E+12	15	100.348	100.897	0.549
5E+12	16	100.022	100.973	0.951
5E+12	17	102.960	103.151	0.191
1E+13	18	104.577	105.552	0.975
1E+13	19	102.118	104.368	2.249
1E+13	20	103.098	106.967	3.869
1E+13	21	103.089	101.444	-1.645
Max		105.493	106.967	7.176
Average		102.191	103.094	0.903
Min		96.988	97.527	-1.645
Std Dev		2.456	2.440	2.161



34.12_Enable|Hys/EN4/7/7///90.

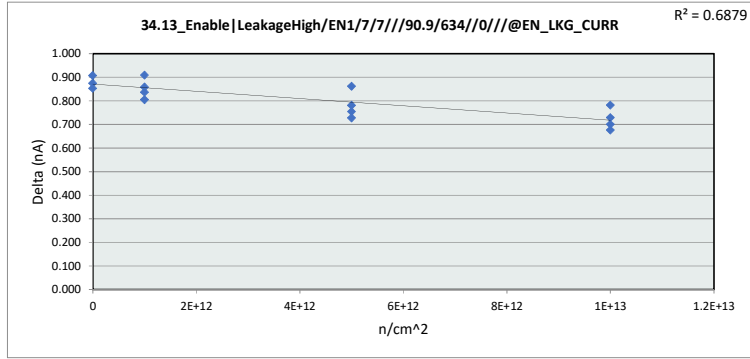
Test Site	
Tester	
Test Number	
Max Limit	127 mV
Min Limit	77 mV

n/cm^2	0	1E+12	5E+12	1E+13
LL	77.000	77.000	77.000	77.000
Min	104.165	97.527	100.897	101.444
Average	104.543	102.106	101.509	104.582
Max	105.247	105.346	103.152	106.967
UL	127.000	127.000	127.000	127.000

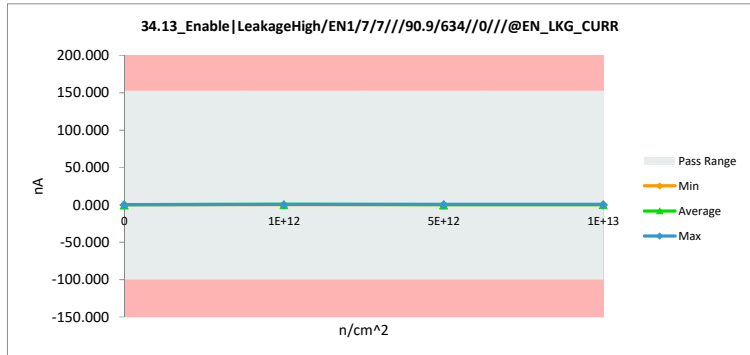


NDD Report
TPS7H4104-SP

34.13_Enable LeakageHigh/EN1/7/7///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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.241	0.614	0.854
0	2	-0.308	0.568	0.876
0	3	-0.322	0.588	0.909
1E+12	10	-0.305	0.606	0.911
1E+12	11	-0.218	0.643	0.861
1E+12	12	-0.147	0.660	0.807
1E+12	13	-0.269	0.570	0.838
5E+12	14	-0.171	0.585	0.756
5E+12	15	-0.194	0.669	0.863
5E+12	16	-0.171	0.558	0.729
5E+12	17	-0.189	0.593	0.783
1E+13	18	-0.096	0.606	0.702
1E+13	19	-0.117	0.666	0.784
1E+13	20	-0.063	0.614	0.678
1E+13	21	-0.068	0.663	0.731
	Max	-0.063	0.669	0.911
	Average	-0.192	0.614	0.805
	Min	-0.322	0.558	0.678
	Std Dev	0.085	0.038	0.075

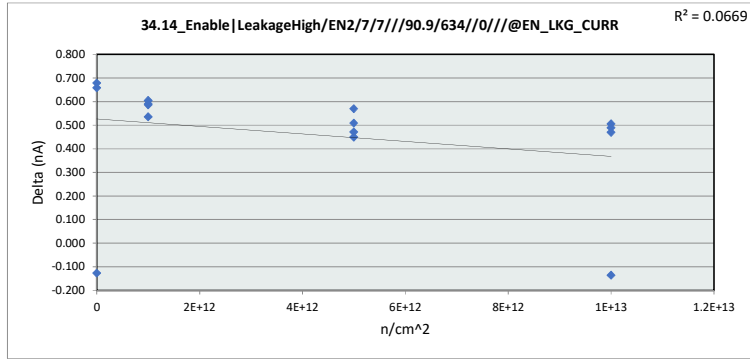


34.13_Enable LeakageHigh/EN1/7/7///90.9/634/0///@EN_LKG_CURR				
Test Site				
Tester				
Test Number				
Max Limit	152		nA	
Min Limit	-100		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-100.000	-100.000	-100.000	-100.000
Min	0.568	0.570	0.558	0.606
Average	0.590	0.620	0.601	0.637
Max	0.614	0.660	0.670	0.666
UL	152.000	152.000	152.000	152.000

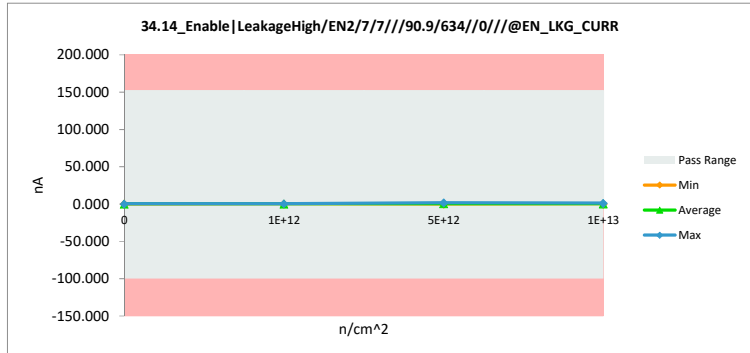


NDD Report TPS7H4104-SP

34.14_Enable LeakageHigh/EN2/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit	nA		nA	
Max Limit	154		152	
Min Limit	-150.4		-100	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.315	0.345	0.661
0	2	0.475	0.350	-0.125
0	3	-0.219	0.461	0.681
1E+12	10	-0.243	0.364	0.607
1E+12	11	-0.040	0.548	0.588
1E+12	12	-0.091	0.447	0.538
1E+12	13	-0.247	0.345	0.592
5E+12	14	0.083	0.535	0.452
5E+12	15	-0.130	0.381	0.511
5E+12	16	-0.161	0.312	0.473
5E+12	17	1.249	1.820	0.571
1E+13	18	1.421	1.288	-0.134
1E+13	19	-0.107	0.384	0.491
1E+13	20	-0.134	0.337	0.472
1E+13	21	-0.143	0.364	0.507
Max		1.421	1.820	0.681
Average		0.093	0.552	0.459
Min		-0.315	0.312	-0.134
Std Dev		0.538	0.425	0.248

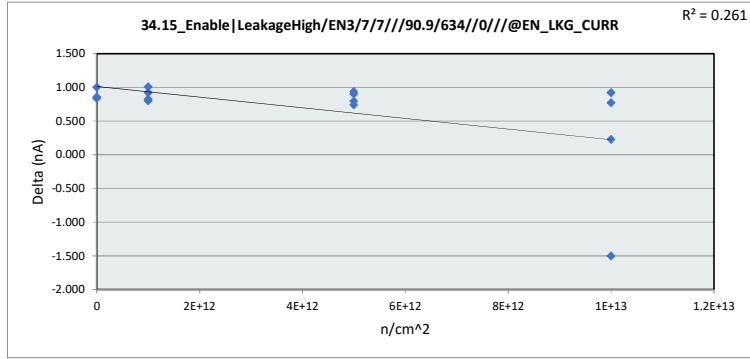


34.14_Enable LeakageHigh/EN2/7/7				
Test Site				
Tester				
Test Number				
Max Limit	152		nA	
Min Limit	-100		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-100.000	-100.000	-100.000	-100.000
Min	0.345	0.345	0.312	0.337
Average	0.385	0.426	0.762	0.593
Max	0.461	0.548	1.820	1.288
UL	152.000	152.000	152.000	152.000

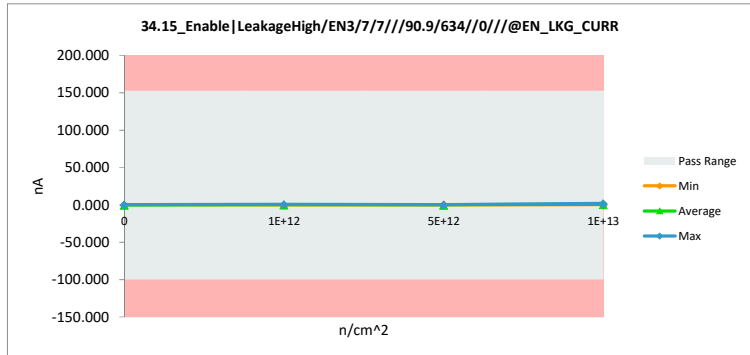


NDD Report
TPS7H4104-SP

34.15_Enable LeakageHigh/EN3/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit		nA	nA	
Max Limit		154	152	
Min Limit		-150.4	-100	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.696	0.148	0.844
0	2	-0.685	0.179	0.864
0	3	-0.703	0.306	1.009
1E+12	10	-0.608	0.322	0.930
1E+12	11	-0.608	0.406	1.014
1E+12	12	-0.609	0.197	0.806
1E+12	13	-0.122	0.710	0.832
5E+12	14	-0.629	0.118	0.747
5E+12	15	-0.638	0.308	0.945
5E+12	16	-0.580	0.221	0.802
5E+12	17	-0.663	0.246	0.909
1E+13	18	-0.528	0.250	0.777
1E+13	19	-0.635	0.294	0.930
1E+13	20	1.647	0.152	-1.495
1E+13	21	1.695	1.928	0.232
Max		1.695	1.928	1.014
Average		-0.291	0.386	0.676
Min		-0.703	0.118	-1.495
Std Dev		0.808	0.450	0.628

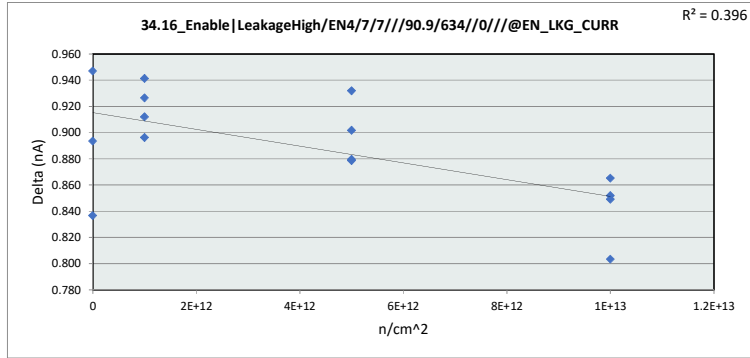


34.15_Enable LeakageHigh/EN3/7/7				
Test Site				
Tester				
Test Number				
Max Limit	152		nA	
Min Limit	-100		nA	
n/cm^2	0	1E+12	5E+12	1E+13
LL	-100.000	-100.000	-100.000	-100.000
Min	0.148	0.197	0.118	0.152
Average	0.211	0.409	0.223	0.656
Max	0.306	0.710	0.308	1.928
UL	152.000	152.000	152.000	152.000

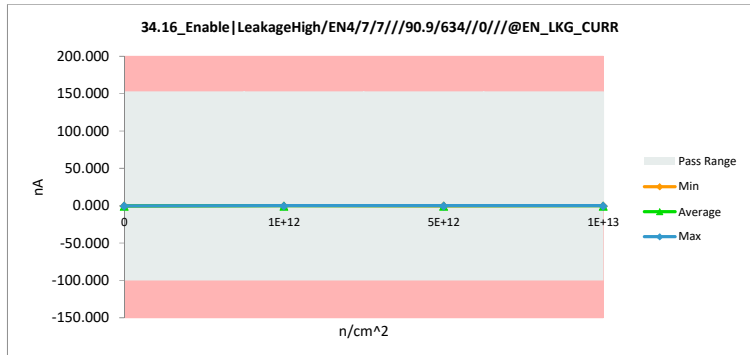


NDD Report
TPS7H4104-SP

34.16_Enable LeakageHigh/EN4/7/7///90.9/63				
Test Site				
Tester				
Test Number				
Unit	nA	nA		
Max Limit	154	152		
Min Limit	-150.4	-100		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	-0.941	-0.104	0.837
0	2	-0.995	-0.101	0.894
0	3	-1.013	-0.065	0.947
1E+12	10	-0.938	-0.042	0.897
1E+12	11	-0.912	0.001	0.912
1E+12	12	-0.968	-0.026	0.942
1E+12	13	-1.005	-0.078	0.927
5E+12	14	-0.853	0.026	0.879
5E+12	15	-0.949	-0.069	0.880
5E+12	16	-0.977	-0.045	0.932
5E+12	17	-0.845	0.057	0.902
1E+13	18	-0.904	-0.038	0.866
1E+13	19	-0.918	-0.068	0.849
1E+13	20	-0.875	-0.071	0.804
1E+13	21	-0.878	-0.025	0.852
Max		-0.845	0.057	0.947
Average		-0.931	-0.043	0.888
Min		-1.013	-0.104	0.804
Std Dev		0.054	0.045	0.041



34.16_Enable LeakageHigh/EN4/7/7				
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	-0.104	-0.078	-0.069	-0.071
Average	-0.090	-0.036	-0.008	-0.051
Max	-0.065	0.001	0.057	-0.026
UL	152.000	152.000	152.000	152.000

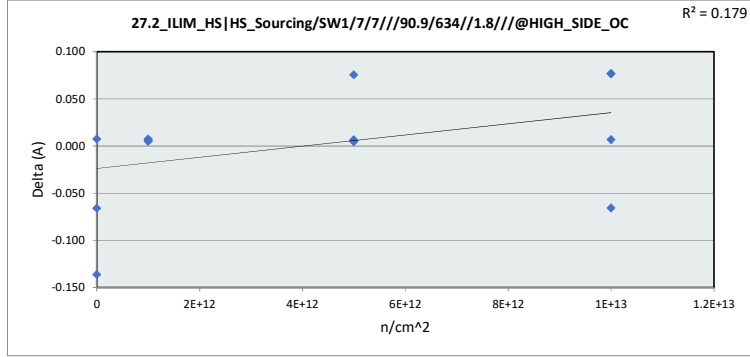


NDD Report
TPS7H4104-SP

27.2_ILIM_HS|HS_Sourcing/SW1/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

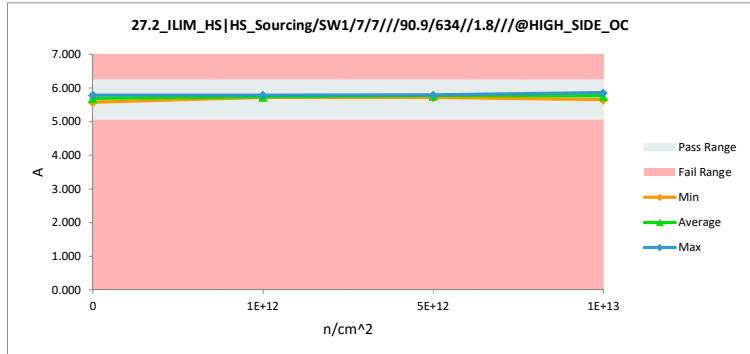
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.927	5.792	-0.136
0	2	5.644	5.578	-0.065
0	3	5.713	5.721	0.008
1E+12	10	5.715	5.720	0.006
1E+12	11	5.713	5.721	0.008
1E+12	12	5.786	5.792	0.005
1E+12	13	5.714	5.721	0.007
5E+12	14	5.785	5.792	0.006
5E+12	15	5.716	5.792	0.076
5E+12	16	5.716	5.721	0.005
5E+12	17	5.785	5.792	0.007
1E+13	18	5.785	5.863	0.077
1E+13	19	5.572	5.649	0.077
1E+13	20	5.786	5.721	-0.065
1E+13	21	5.855	5.862	0.007
Max		5.927	5.863	0.077
Average		5.747	5.749	0.002
Min		5.572	5.578	-0.136
Std Dev		0.084	0.075	0.057



27.2_ILIM_HS|HS_Sourcing/SW1/

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	5.578	5.721	5.721	5.649
Average	5.697	5.738	5.774	5.774
Max	5.792	5.792	5.792	5.863
UL	6.240	6.240	6.240	6.240

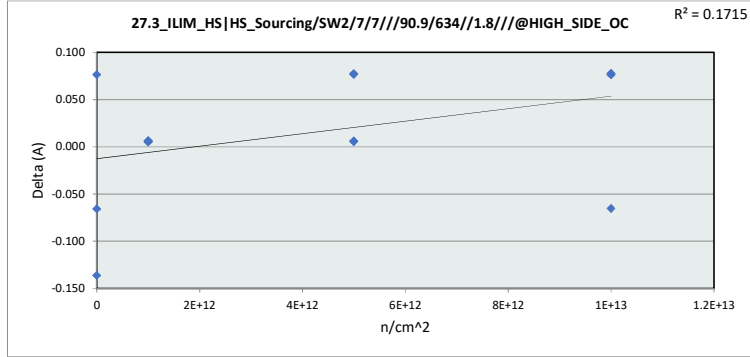


NDD Report
TPS7H4104-SP

27.3_ILIM_HS|HS_Sourcing/SW2/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

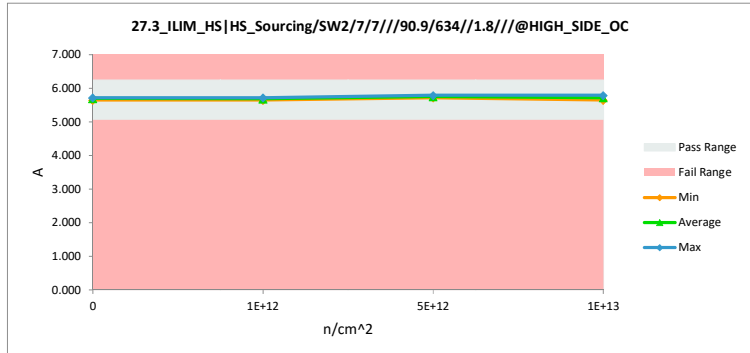
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.785	5.720	-0.065
0	2	5.785	5.649	-0.136
0	3	5.643	5.720	0.077
1E+12	10	5.643	5.649	0.006
1E+12	11	5.643	5.649	0.005
1E+12	12	5.714	5.720	0.007
1E+12	13	5.713	5.720	0.007
5E+12	14	5.714	5.720	0.006
5E+12	15	5.713	5.720	0.007
5E+12	16	5.714	5.791	0.077
5E+12	17	5.714	5.791	0.078
1E+13	18	5.714	5.791	0.078
1E+13	19	5.572	5.649	0.077
1E+13	20	5.714	5.649	-0.065
1E+13	21	5.713	5.791	0.078
Max		5.785	5.791	0.078
Average		5.700	5.715	0.016
Min		5.572	5.649	-0.136
Std Dev		0.055	0.057	0.065



27.3_ILIM_HS|HS_Sourcing/SW2/

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	5.649	5.649	5.720	5.649
Average	5.696	5.685	5.756	5.720
Max	5.720	5.720	5.791	5.791
UL	6.240	6.240	6.240	6.240

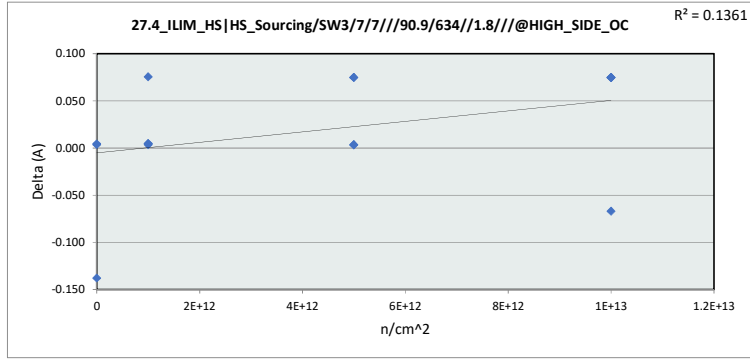


NDD Report
TPS7H4104-SP

27.4_ILIM_HS|HS_Sourcing/SW3/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

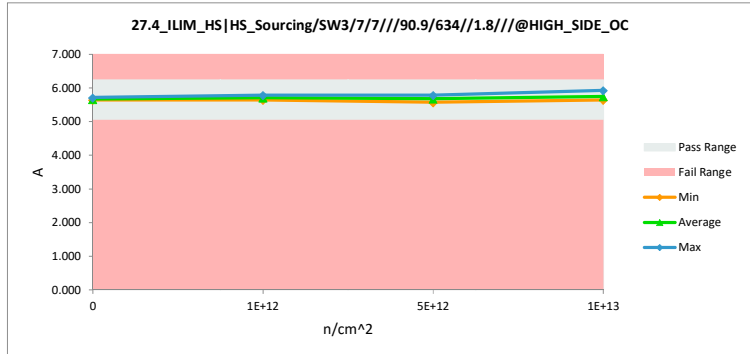
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.783	5.646	-0.137
0	2	5.712	5.717	0.005
0	3	5.641	5.645	0.004
1E+12	10	5.712	5.788	0.076
1E+12	11	5.712	5.717	0.005
1E+12	12	5.642	5.646	0.004
1E+12	13	5.712	5.717	0.005
5E+12	14	5.641	5.717	0.075
5E+12	15	5.571	5.575	0.004
5E+12	16	5.713	5.788	0.075
5E+12	17	5.641	5.645	0.004
1E+13	18	5.854	5.929	0.075
1E+13	19	5.570	5.646	0.075
1E+13	20	5.712	5.646	-0.067
1E+13	21	5.712	5.788	0.075
Max		5.854	5.929	0.076
Average		5.689	5.707	0.019
Min		5.570	5.575	-0.137
Std Dev		0.074	0.088	0.061



27.4_ILIM_HS|HS_Sourcing/SW3/

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	5.645	5.646	5.575	5.646
Average	5.669	5.717	5.681	5.752
Max	5.717	5.788	5.788	5.929
UL	6.240	6.240	6.240	6.240

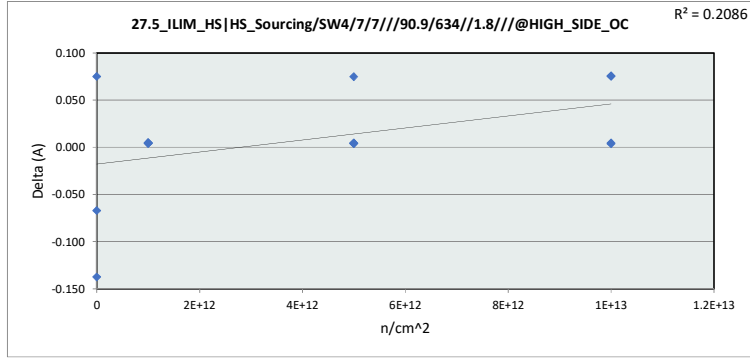


NDD Report
TPS7H4104-SP

27.5_ILIM_HS|HS_Sourcing/SW4/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	6.3	6.24
Min Limit	5	5.06

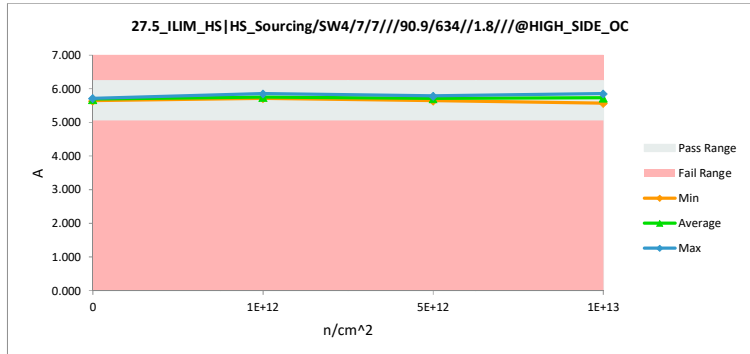
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.854	5.717	-0.137
0	2	5.713	5.646	-0.067
0	3	5.642	5.718	0.076
1E+12	10	5.713	5.717	0.005
1E+12	11	5.713	5.717	0.005
1E+12	12	5.712	5.718	0.005
1E+12	13	5.854	5.859	0.005
5E+12	14	5.642	5.646	0.005
5E+12	15	5.641	5.646	0.005
5E+12	16	5.713	5.788	0.075
5E+12	17	5.784	5.788	0.005
1E+13	18	5.783	5.859	0.076
1E+13	19	5.571	5.575	0.004
1E+13	20	5.713	5.718	0.005
1E+13	21	5.712	5.788	0.076
Max		5.854	5.859	0.076
Average		5.717	5.727	0.010
Min		5.571	5.575	-0.137
Std Dev		0.078	0.080	0.057



27.5_ILIM_HS|HS_Sourcing/SW4/

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	5.717	5.646	5.575
Average	5.694	5.753	5.717	5.735
Max	5.718	5.859	5.788	5.859
UL	6.240	6.240	6.240	6.240

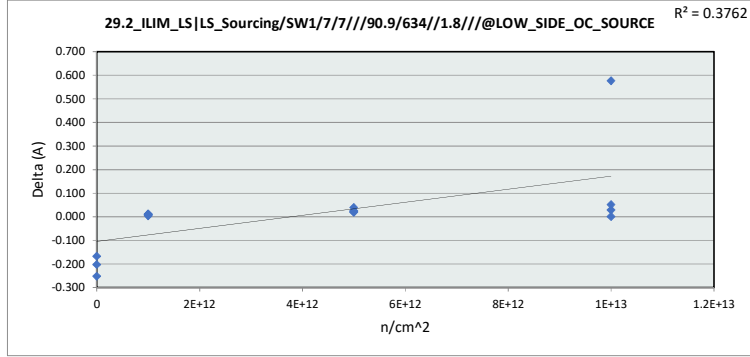


NDD Report
TPS7H4104-SP

29.2_ILIM_LS|LS_Sourcing/SW1/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

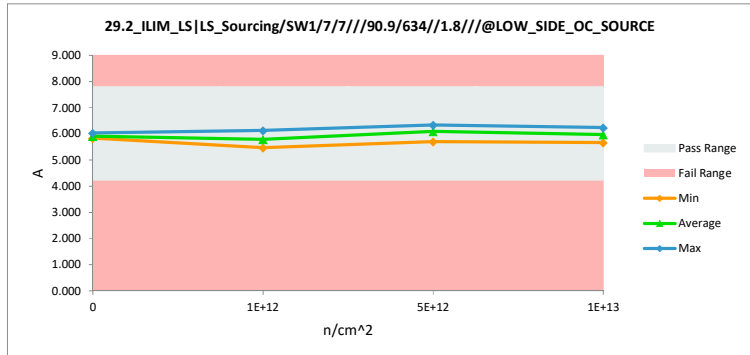
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.036	5.835	-0.201
0	2	6.199	6.033	-0.166
0	3	6.141	5.891	-0.250
1E+12	10	5.463	5.473	0.010
1E+12	11	6.115	6.129	0.013
1E+12	12	5.858	5.871	0.013
1E+12	13	5.685	5.691	0.006
5E+12	14	5.660	5.701	0.041
5E+12	15	6.318	6.339	0.021
5E+12	16	6.241	6.268	0.027
5E+12	17	6.045	6.068	0.023
1E+13	18	5.973	6.004	0.031
1E+13	19	5.948	6.001	0.053
1E+13	20	5.660	6.239	0.579
1E+13	21	5.667	5.670	0.003
	Max	6.318	6.339	0.579
	Average	5.934	5.948	0.013
	Min	5.463	5.473	-0.250
	Std Dev	0.257	0.247	0.183



29.2_ILIM_LS|LS_Sourcing/SW1/7/7

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	5.835	5.473	5.701	5.671
Average	5.920	5.791	6.094	5.979
Max	6.033	6.129	6.339	6.239
UL	7.792	7.792	7.792	7.792

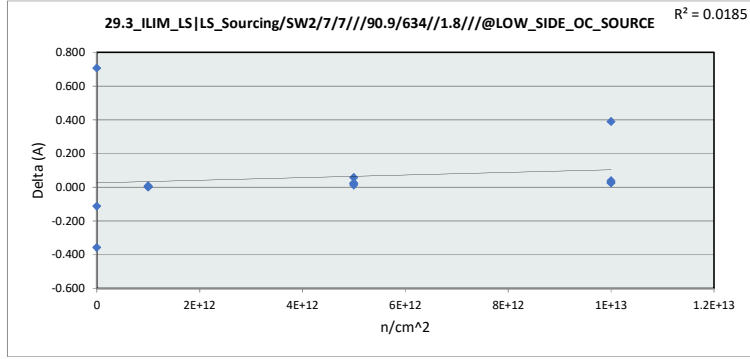


NDD Report
TPS7H4104-SP

29.3_ILIM_LS|LS_Sourcing/SW2/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

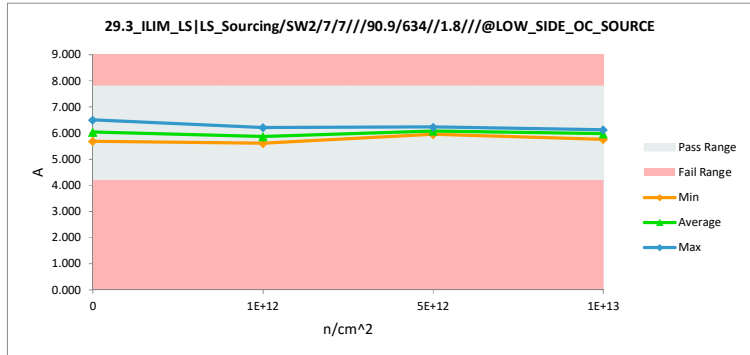
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	6.046	5.691	-0.355
0	2	5.791	6.501	0.710
0	3	6.031	5.921	-0.109
1E+12	10	5.603	5.608	0.005
1E+12	11	6.208	6.214	0.005
1E+12	12	5.960	5.971	0.011
1E+12	13	5.699	5.704	0.006
5E+12	14	5.938	5.999	0.060
5E+12	15	6.133	6.148	0.015
5E+12	16	6.204	6.228	0.025
5E+12	17	5.923	5.951	0.028
1E+13	18	5.850	5.891	0.041
1E+13	19	6.093	6.126	0.032
1E+13	20	5.736	6.128	0.392
1E+13	21	5.733	5.761	0.028
	Max	6.208	6.501	0.710
	Average	5.930	5.989	0.060
	Min	5.603	5.608	-0.355
	Std Dev	0.190	0.241	0.232



29.3_ILIM_LS|LS_Sourcing/SW2/7/7

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	5.691	5.608	5.951	5.761
Average	6.038	5.874	6.082	5.977
Max	6.501	6.214	6.228	6.128
UL	7.792	7.792	7.792	7.792

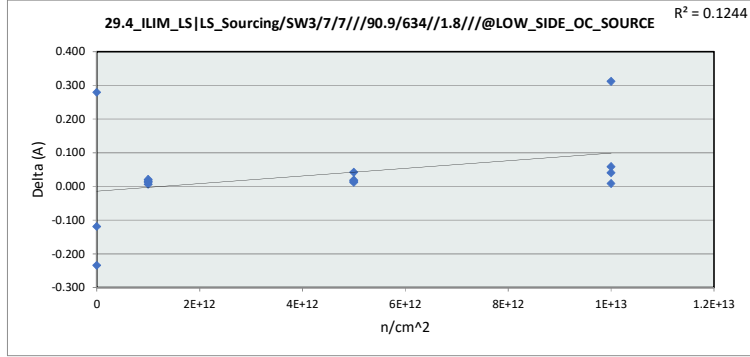


NDD Report
TPS7H4104-SP

29.4_ILIM_LS|LS_Sourcing/SW3/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

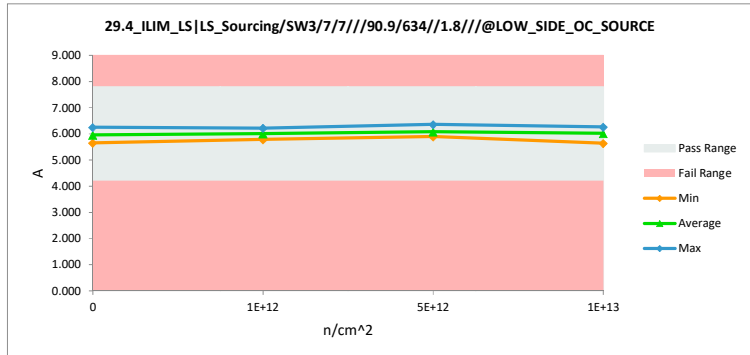
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.891	5.659	-0.233
0	2	5.977	6.257	0.280
0	3	6.074	5.956	-0.118
1E+12	10	5.776	5.784	0.008
1E+12	11	6.197	6.214	0.017
1E+12	12	5.809	5.831	0.022
1E+12	13	6.207	6.221	0.014
5E+12	14	5.851	5.894	0.043
5E+12	15	5.978	5.992	0.014
5E+12	16	6.347	6.364	0.017
5E+12	17	6.071	6.092	0.020
1E+13	18	5.607	5.648	0.042
1E+13	19	6.211	6.272	0.060
1E+13	20	5.919	6.232	0.313
1E+13	21	5.921	5.931	0.010
Max		6.347	6.364	0.313
Average		5.989	6.023	0.034
Min		5.607	5.648	-0.233
Std Dev		0.197	0.232	0.130



29.4_ILIM_LS|LS_Sourcing/SW3/7/7

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	5.659	5.784	5.895	5.649
Average	5.957	6.012	6.086	6.021
Max	6.257	6.221	6.364	6.272
UL	7.792	7.792	7.792	7.792

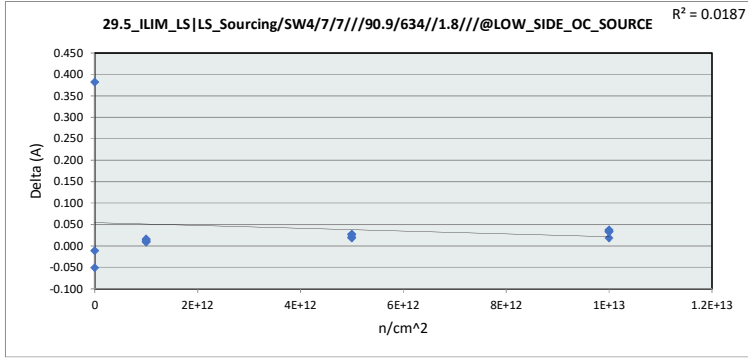


NDD Report
TPS7H4104-SP

29.5_ILIM_LS|LS_Sourcing/SW4/7/7///90.9/6

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	7.8	7.792
Min Limit	4.2	4.208

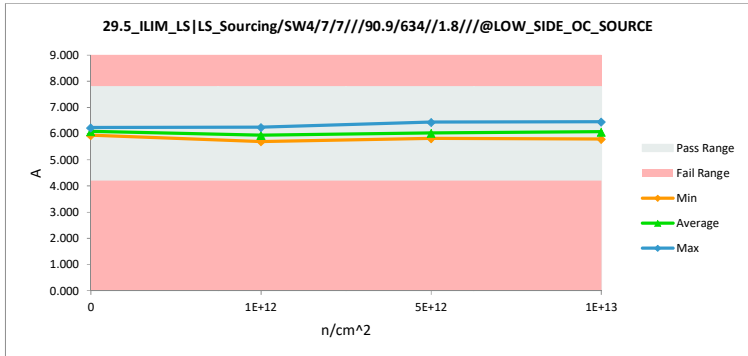
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	5.991	5.942	-0.050
0	2	5.848	6.232	0.383
0	3	6.092	6.082	-0.010
1E+12	10	5.691	5.701	0.010
1E+12	11	6.232	6.249	0.017
1E+12	12	5.977	5.992	0.015
1E+12	13	5.834	5.846	0.013
5E+12	14	5.886	5.914	0.028
5E+12	15	6.407	6.435	0.028
5E+12	16	5.799	5.821	0.021
5E+12	17	5.907	5.927	0.019
1E+13	18	5.761	5.797	0.035
1E+13	19	6.421	6.459	0.038
1E+13	20	5.991	6.026	0.035
1E+13	21	5.991	6.011	0.020
Max		6.421	6.459	0.383
Average		5.989	6.029	0.040
Min		5.691	5.701	-0.050
Std Dev		0.219	0.226	0.097



29.5_ILIM_LS|LS_Sourcing/SW4/7/7

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	5.942	5.701	5.821	5.797
Average	6.085	5.947	6.024	6.073
Max	6.232	6.249	6.435	6.460
UL	7.792	7.792	7.792	7.792

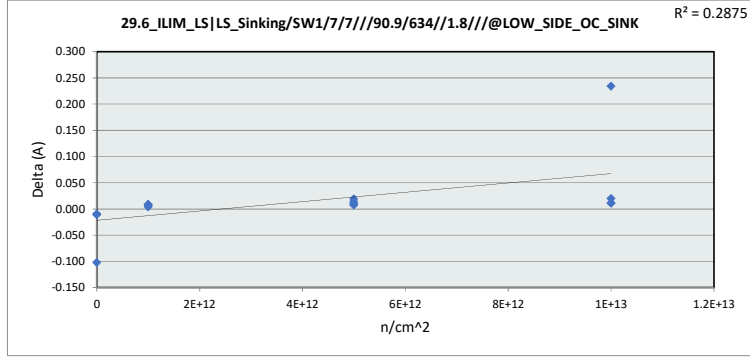


NDD Report
TPS7H4104-SP

29.6_ILIM_LS|LS_Sinking/SW1/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

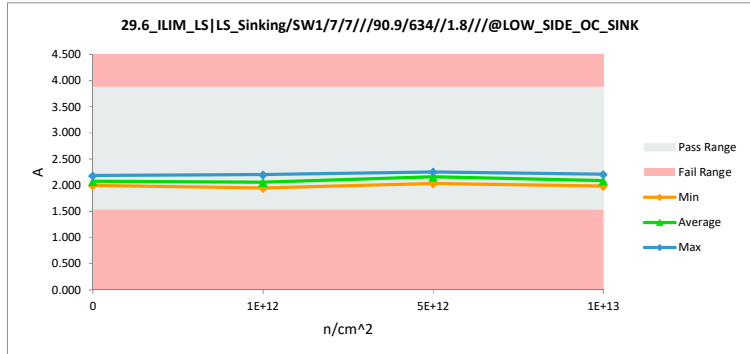
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.098	1.997	-0.101
0	2	2.194	2.184	-0.010
0	3	2.048	2.039	-0.008
1E+12	10	1.944	1.949	0.005
1E+12	11	2.193	2.202	0.009
1E+12	12	2.065	2.074	0.009
1E+12	13	2.006	2.015	0.008
5E+12	14	2.014	2.034	0.020
5E+12	15	2.248	2.256	0.008
5E+12	16	2.165	2.176	0.011
5E+12	17	2.170	2.185	0.015
1E+13	18	2.010	2.022	0.012
1E+13	19	2.115	2.136	0.021
1E+13	20	1.974	2.209	0.235
1E+13	21	1.975	1.987	0.012
Max		2.248	2.256	0.235
Average		2.081	2.098	0.016
Min		1.944	1.949	-0.101
Std Dev		0.095	0.099	0.067



29.6_ILIM_LS|LS_Sinking/SW1/7/7///

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	1.997	1.949	2.034	1.987
Average	2.073	2.060	2.163	2.089
Max	2.184	2.202	2.256	2.209
UL	3.867	3.867	3.867	3.867

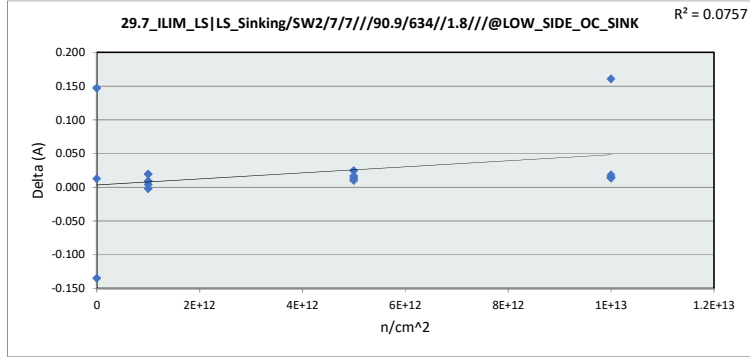


NDD Report
TPS7H4104-SP

29.7_ILIM_LS|LS_Sinking/SW2/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

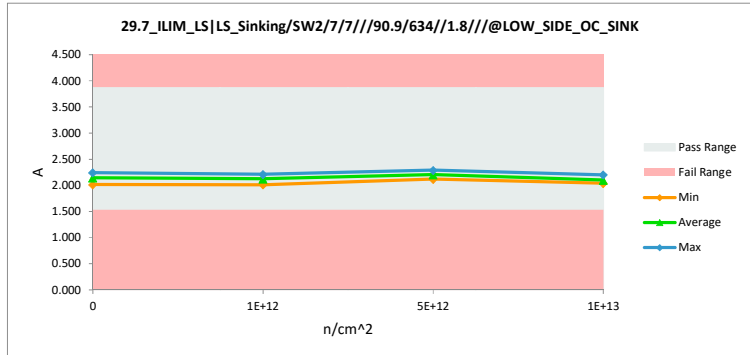
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.148	2.014	-0.134
0	2	2.097	2.245	0.148
0	3	2.171	2.185	0.013
1E+12	10	2.004	2.013	0.010
1E+12	11	2.214	2.213	-0.001
1E+12	12	2.142	2.162	0.020
1E+12	13	2.102	2.106	0.005
5E+12	14	2.164	2.189	0.025
5E+12	15	2.273	2.290	0.017
5E+12	16	2.205	2.219	0.014
5E+12	17	2.109	2.120	0.011
1E+13	18	2.021	2.040	0.019
1E+13	19	2.101	2.116	0.016
1E+13	20	2.042	2.203	0.161
1E+13	21	2.039	2.054	0.014
Max		2.273	2.290	0.161
Average		2.122	2.145	0.022
Min		2.004	2.013	-0.134
Std Dev		0.077	0.087	0.066



29.7_ILIM_LS|LS_Sinking/SW2/7/7///

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	2.014	2.014	2.120	2.040
Average	2.148	2.124	2.204	2.103
Max	2.245	2.213	2.290	2.203
UL	3.867	3.867	3.867	3.867

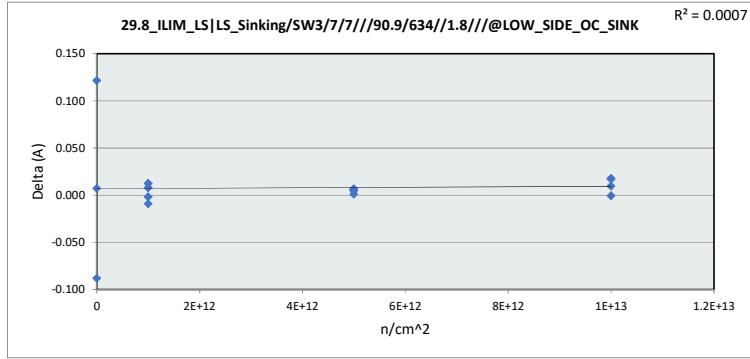


NDD Report
TPS7H4104-SP

29.8_ILIM_LS|LS_Sinking/SW3/7/7///90.9/63

Test Site		
Tester		
Test Number		
Unit	A	A
Max Limit	3.9	3.867
Min Limit	1.5	1.533

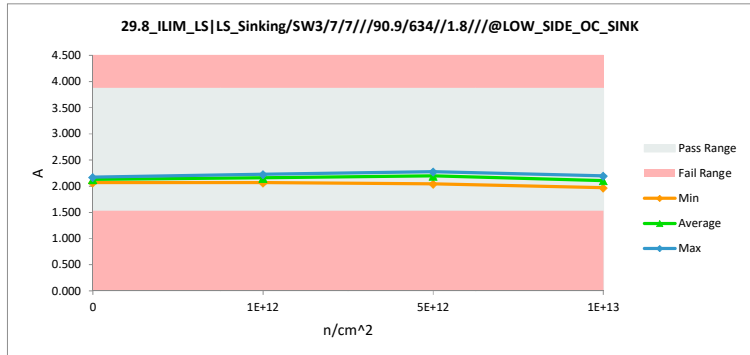
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.155	2.068	-0.087
0	2	2.145	2.153	0.008
0	3	2.052	2.173	0.122
1E+12	10	2.055	2.068	0.013
1E+12	11	2.229	2.227	-0.001
1E+12	12	2.167	2.175	0.008
1E+12	13	2.176	2.168	-0.009
5E+12	14	2.223	2.230	0.007
5E+12	15	2.275	2.280	0.006
5E+12	16	2.235	2.241	0.006
5E+12	17	2.044	2.046	0.002
1E+13	18	1.971	1.971	0.000
1E+13	19	2.180	2.197	0.017
1E+13	20	2.122	2.141	0.018
1E+13	21	2.118	2.128	0.010
Max		2.275	2.280	0.122
Average		2.143	2.151	0.008
Min		1.971	1.971	-0.087
Std Dev		0.084	0.084	0.040



29.8_ILIM_LS|LS_Sinking/SW3/7/7///

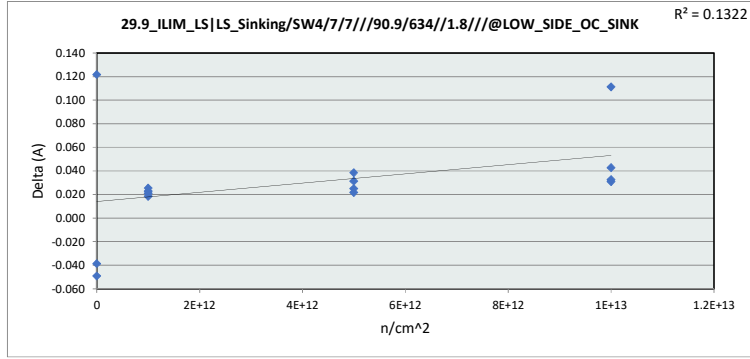
Test Site		
Tester		
Test Number		
Max Limit	3.867	A
Min Limit	1.533	A

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.533	1.533	1.533	1.533
Min	2.068	2.068	2.046	1.971
Average	2.131	2.160	2.199	2.109
Max	2.173	2.228	2.280	2.198
UL	3.867	3.867	3.867	3.867

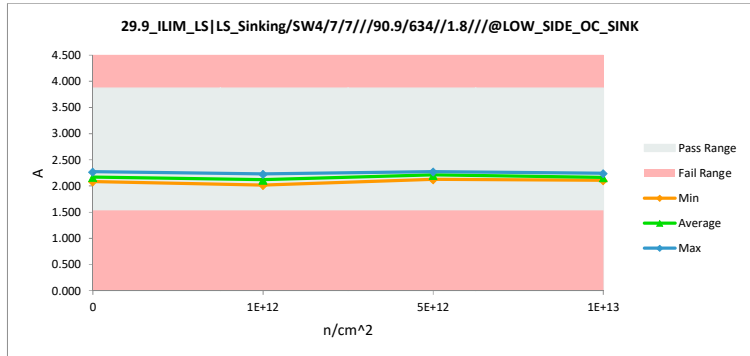


NDD Report
TPS7H4104-SP

29.9_ILIM_LS LS_Sinking/SW4/7/7///90.9/634				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.132	2.083	-0.049
0	2	2.150	2.273	0.122
0	3	2.188	2.150	-0.038
1E+12	10	1.995	2.019	0.023
1E+12	11	2.208	2.229	0.021
1E+12	12	2.092	2.117	0.026
1E+12	13	2.089	2.108	0.019
5E+12	14	2.103	2.125	0.022
5E+12	15	2.251	2.276	0.025
5E+12	16	2.164	2.196	0.032
5E+12	17	2.206	2.244	0.039
1E+13	18	2.083	2.115	0.031
1E+13	19	2.199	2.243	0.043
1E+13	20	2.073	2.185	0.112
1E+13	21	2.073	2.106	0.033
Max		2.251	2.276	0.122
Average		2.134	2.165	0.031
Min		1.995	2.019	-0.049
Std Dev		0.069	0.077	0.044



29.9_ILIM_LS LS_Sinking/SW4/7/7///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	2.083	2.019	2.125	2.106
Average	2.169	2.118	2.210	2.162
Max	2.273	2.229	2.276	2.243
UL	3.867	3.867	3.867	3.867

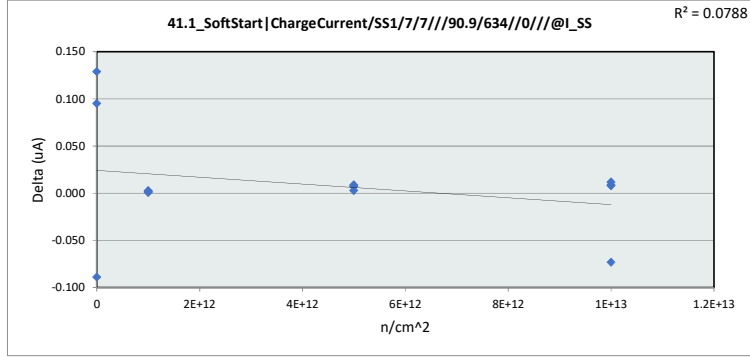


NDD Report
TPS7H4104-SP

41.1_SoftStart|ChargeCurrent/SS1/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

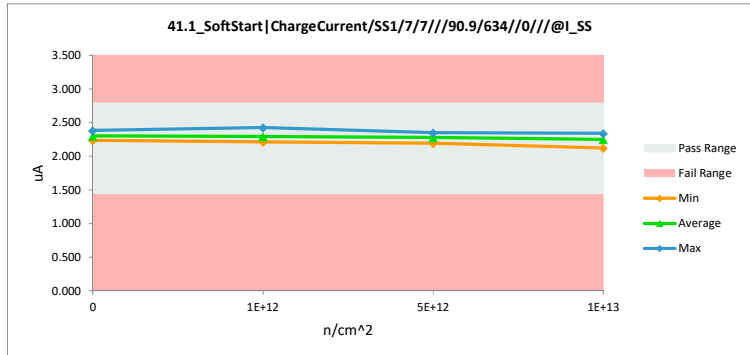
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.325	2.237	-0.088
0	2	2.253	2.382	0.129
0	3	2.198	2.294	0.095
1E+12	10	2.214	2.216	0.002
1E+12	11	2.425	2.427	0.002
1E+12	12	2.216	2.219	0.003
1E+12	13	2.316	2.318	0.001
5E+12	14	2.187	2.197	0.009
5E+12	15	2.345	2.348	0.003
5E+12	16	2.324	2.332	0.008
5E+12	17	2.239	2.247	0.008
1E+13	18	2.114	2.124	0.009
1E+13	19	2.285	2.293	0.008
1E+13	20	2.327	2.254	-0.073
1E+13	21	2.328	2.340	0.012
	Max	2.425	2.427	0.129
	Average	2.273	2.282	0.009
	Min	2.114	2.124	-0.088
	Std Dev	0.079	0.079	0.052



41.1_SoftStart|ChargeCurrent/SS1

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	2.237	2.216	2.197	2.124
Average	2.304	2.295	2.281	2.253
Max	2.382	2.427	2.348	2.340
UL	2.790	2.790	2.790	2.790

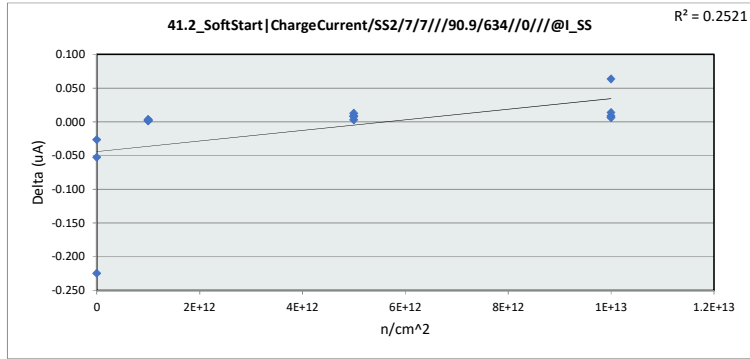


NDD Report
TPS7H4104-SP

41.2_SoftStart|ChargeCurrent/SS2/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

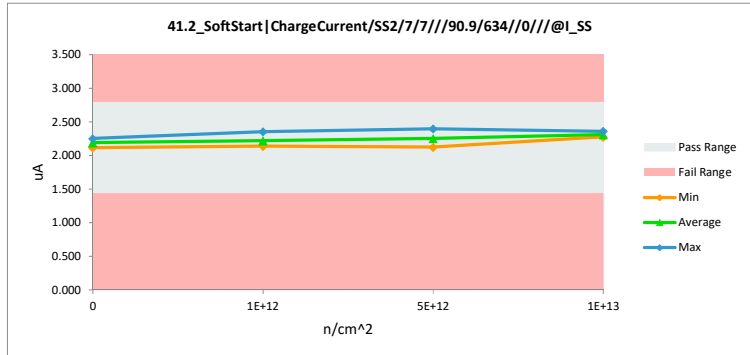
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.340	2.116	-0.224
0	2	2.237	2.212	-0.026
0	3	2.304	2.252	-0.052
1E+12	10	2.194	2.196	0.002
1E+12	11	2.352	2.356	0.003
1E+12	12	2.135	2.139	0.004
1E+12	13	2.194	2.196	0.002
5E+12	14	2.244	2.257	0.013
5E+12	15	2.394	2.398	0.004
5E+12	16	2.222	2.231	0.009
5E+12	17	2.114	2.123	0.009
1E+13	18	2.266	2.276	0.009
1E+13	19	2.347	2.362	0.015
1E+13	20	2.269	2.333	0.064
1E+13	21	2.270	2.276	0.007
	Max	2.394	2.398	0.064
	Average	2.259	2.248	-0.011
	Min	2.114	2.116	-0.224
	Std Dev	0.080	0.088	0.064



41.2_SoftStart|ChargeCurrent/SS2

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	2.116	2.139	2.123	2.276
Average	2.193	2.222	2.252	2.312
Max	2.252	2.356	2.398	2.362
UL	2.790	2.790	2.790	2.790

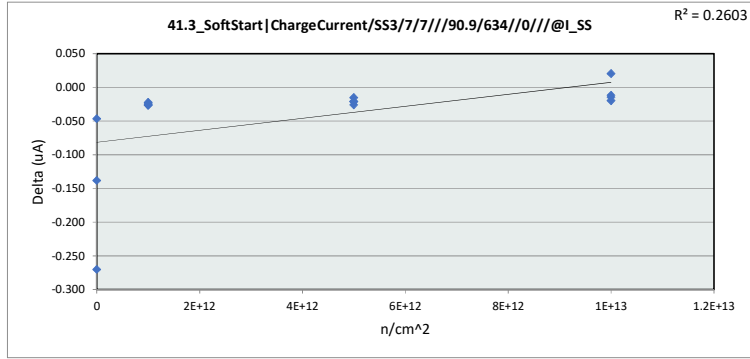


NDD Report
TPS7H4104-SP

41.3_SoftStart|ChargeCurrent/SS3/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

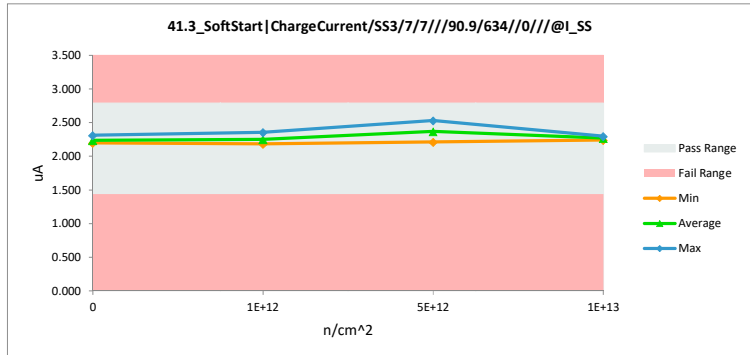
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.466	2.197	-0.270
0	2	2.359	2.313	-0.046
0	3	2.343	2.205	-0.138
1E+12	10	2.230	2.209	-0.022
1E+12	11	2.384	2.358	-0.026
1E+12	12	2.209	2.185	-0.024
1E+12	13	2.287	2.262	-0.026
5E+12	14	2.334	2.320	-0.015
5E+12	15	2.559	2.533	-0.025
5E+12	16	2.428	2.408	-0.020
5E+12	17	2.233	2.212	-0.020
1E+13	18	2.313	2.299	-0.014
1E+13	19	2.272	2.261	-0.011
1E+13	20	2.260	2.281	0.021
1E+13	21	2.260	2.240	-0.019
	Max	2.559	2.533	0.021
	Average	2.329	2.286	-0.044
	Min	2.209	2.185	-0.270
	Std Dev	0.098	0.094	0.071



41.3_SoftStart|ChargeCurrent/SS3

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	2.197	2.185	2.212	2.241
Average	2.238	2.253	2.368	2.270
Max	2.313	2.358	2.533	2.299
UL	2.790	2.790	2.790	2.790

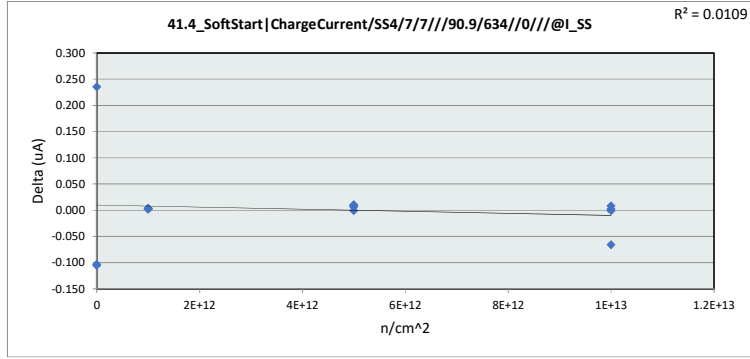


NDD Report
TPS7H4104-SP

41.4_SoftStart|ChargeCurrent/SS4/7/7///90.9/

Test Site		
Tester		
Test Number		
Unit	uA	uA
Max Limit	2.83	2.79
Min Limit	1.4	1.44

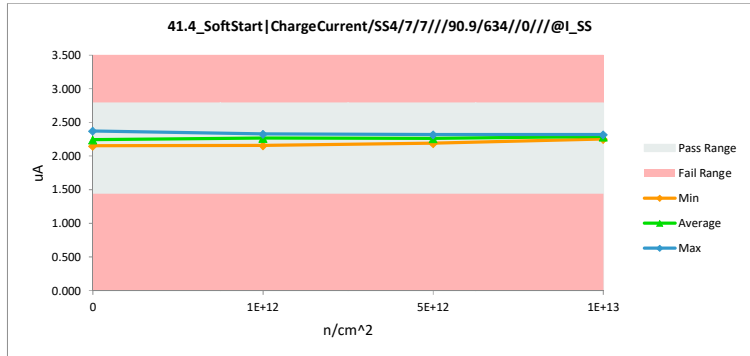
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	2.312	2.210	-0.102
0	2	2.138	2.374	0.236
0	3	2.257	2.152	-0.105
1E+12	10	2.154	2.159	0.005
1E+12	11	2.325	2.328	0.003
1E+12	12	2.290	2.294	0.004
1E+12	13	2.292	2.295	0.003
5E+12	14	2.177	2.188	0.011
5E+12	15	2.281	2.281	0.000
5E+12	16	2.312	2.322	0.009
5E+12	17	2.254	2.262	0.007
1E+13	18	2.257	2.266	0.009
1E+13	19	2.316	2.319	0.003
1E+13	20	2.319	2.254	-0.065
1E+13	21	2.319	2.320	0.000
Max		2.325	2.374	0.236
Average		2.267	2.268	0.001
Min		2.138	2.152	-0.105
Std Dev		0.062	0.065	0.076



41.4_SoftStart|ChargeCurrent/SS4

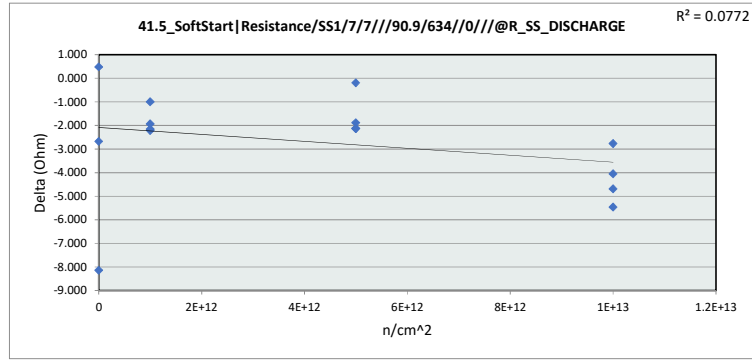
Test Site		
Tester		
Test Number		
Max Limit	2.79	uA
Min Limit	1.44	uA

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.440	1.440	1.440	1.440
Min	2.152	2.159	2.188	2.254
Average	2.246	2.269	2.263	2.290
Max	2.374	2.328	2.322	2.320
UL	2.790	2.790	2.790	2.790

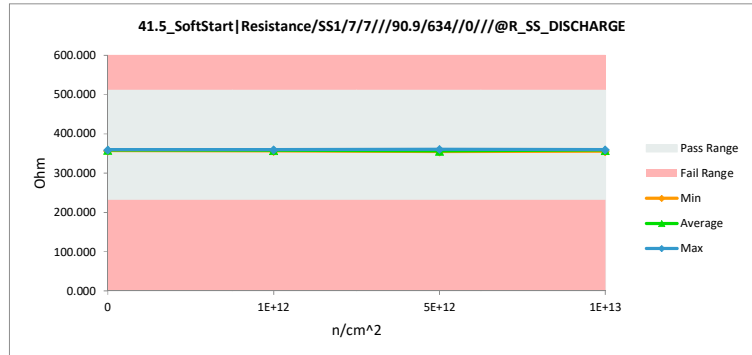


NDD Report
TPS7H4104-SP

41.5_SoftStart Resistance/SS1/7/7///90.9/634				
Test Site				
Tester				
Test Number				
Unit		Ohm		Ohm
Max Limit		513		511
Min Limit		230		232
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	362.517	359.859	-2.658
0	2	359.355	359.855	0.500
0	3	365.352	357.235	-8.117
1E+12	10	362.586	360.389	-2.198
1E+12	11	358.908	356.767	-2.141
1E+12	12	358.064	356.147	-1.917
1E+12	13	360.776	359.794	-0.982
5E+12	14	361.205	361.024	-0.181
5E+12	15	358.174	356.062	-2.113
5E+12	16	357.427	355.557	-1.870
5E+12	17	357.099	354.985	-2.114
1E+13	18	363.796	359.764	-4.032
1E+13	19	365.024	360.357	-4.667
1E+13	20	361.145	355.700	-5.445
1E+13	21	361.028	358.283	-2.745
	Max	365.352	361.024	0.500
	Average	360.830	358.119	-2.712
	Min	357.099	354.985	-8.117
	Std Dev	2.661	2.124	2.148



41.5_SoftStart Resistance/SS1/7/7///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	357.235	356.147	354.985	355.700
Average	358.983	358.274	356.907	358.526
Max	359.859	360.389	361.024	360.357
UL	511.000	511.000	511.000	511.000

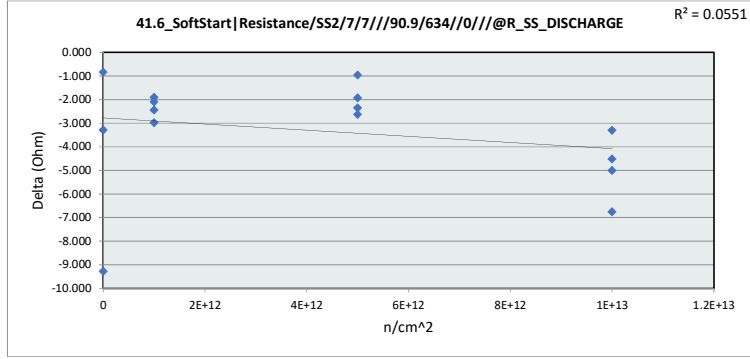


NDD Report
TPS7H4104-SP

41.6_SoftStart|Resistance/SS2/7/7///90.9/634

Test Site		
Tester		
Test Number		
Unit	Ohm	Ohm
Max Limit	513	511
Min Limit	230	232

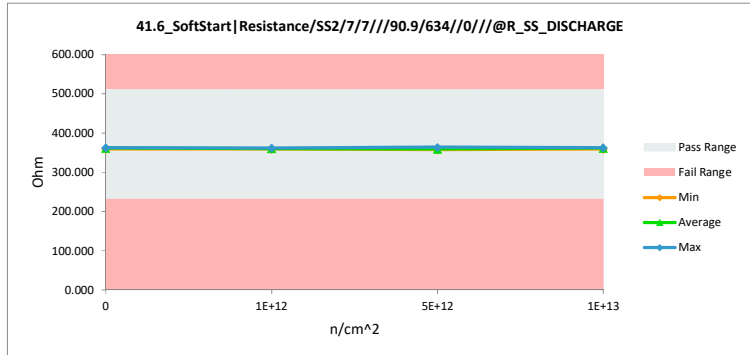
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	366.216	362.944	-3.272
0	2	363.778	362.963	-0.815
0	3	368.759	359.502	-9.258
1E+12	10	364.601	362.177	-2.424
1E+12	11	363.431	360.468	-2.963
1E+12	12	361.046	358.962	-2.083
1E+12	13	363.571	361.685	-1.886
5E+12	14	364.977	364.034	-0.944
5E+12	15	361.118	358.506	-2.611
5E+12	16	360.009	358.100	-1.909
5E+12	17	360.122	357.789	-2.333
1E+13	18	367.411	362.910	-4.501
1E+13	19	367.833	362.848	-4.986
1E+13	20	365.736	359.000	-6.737
1E+13	21	365.166	361.884	-3.282
	Max	368.759	364.034	-0.815
	Average	364.252	360.918	-3.334
	Min	360.009	357.789	-9.258
	Std Dev	2.767	2.105	2.252



41.6_SoftStart|Resistance/SS2/7/7

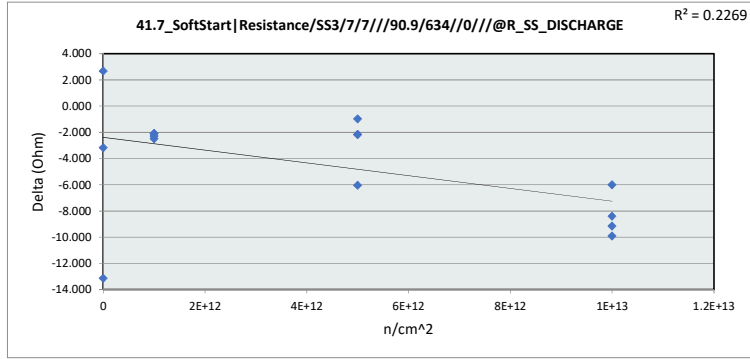
Test Site		
Tester		
Test Number		
Max Limit	511	Ohm
Min Limit	232	Ohm

n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	359.502	358.963	357.789	359.000
Average	361.803	360.823	359.607	361.660
Max	362.963	362.177	364.034	362.910
UL	511.000	511.000	511.000	511.000

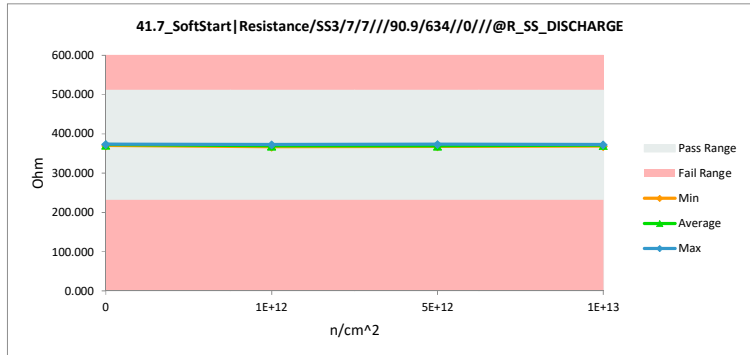


NDD Report
TPS7H4104-SP

41.7_SoftStart Resistance/SS3/7/7///90.9/634				
Test Site				
Tester				
Test Number				
Unit		Ohm	Ohm	
Max Limit		513	511	
Min Limit		230	232	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	376.857	373.712	-3.145
0	2	370.896	373.596	2.701
0	3	383.730	370.624	-13.107
1E+12	10	373.040	370.584	-2.456
1E+12	11	372.023	369.775	-2.247
1E+12	12	369.579	367.516	-2.063
1E+12	13	375.076	372.995	-2.080
5E+12	14	374.935	373.982	-0.953
5E+12	15	374.954	368.934	-6.020
5E+12	16	370.471	368.328	-2.143
5E+12	17	369.952	367.819	-2.133
1E+13	18	381.044	372.678	-8.366
1E+13	19	380.898	371.778	-9.120
1E+13	20	378.667	368.789	-9.878
1E+13	21	378.581	372.610	-5.971
	Max	383.730	373.982	2.701
	Average	375.380	370.915	-4.465
	Min	369.579	367.516	-13.107
	Std Dev	4.472	2.287	4.160

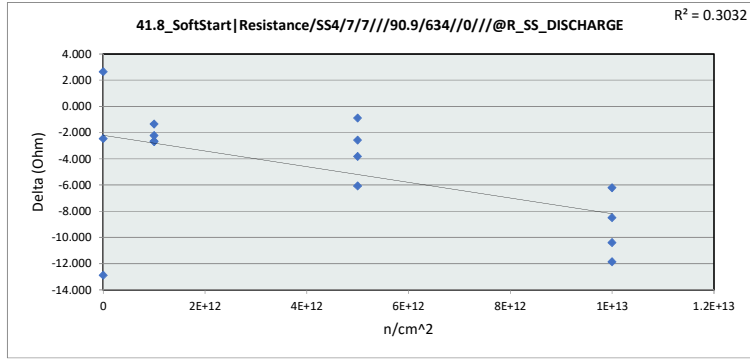


41.7_SoftStart Resistance/SS3/7/7///90.9/634//0///@R_SS_DISCHARGE				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	370.624	367.516	367.819	368.789
Average	372.644	370.218	369.766	371.464
Max	373.712	372.995	373.982	372.678
UL	511.000	511.000	511.000	511.000

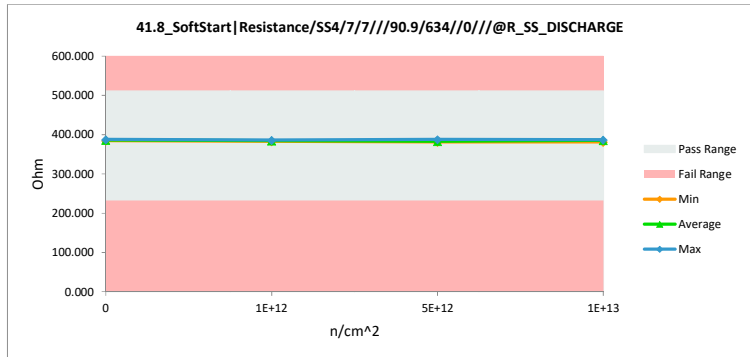


NDD Report
TPS7H4104-SP

41.8_SoftStart Resistance/SS4/7/7///90.9/634				
Test Site				
Tester				
Test Number				
Unit	Ohm	Ohm		
Max Limit	513	511		
Min Limit	230	232		
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	389.845	387.423	-2.422
0	2	384.861	387.534	2.673
0	3	397.695	384.840	-12.855
1E+12	10	387.310	384.653	-2.657
1E+12	11	386.658	384.051	-2.607
1E+12	12	384.118	382.810	-1.308
1E+12	13	388.524	386.335	-2.190
5E+12	14	389.068	388.211	-0.857
5E+12	15	387.448	381.413	-6.035
5E+12	16	384.890	382.357	-2.533
5E+12	17	385.143	381.363	-3.780
1E+13	18	395.008	386.550	-8.458
1E+13	19	396.426	386.067	-10.358
1E+13	20	393.516	381.693	-11.824
1E+13	21	393.514	387.334	-6.180
	Max	397.695	388.211	2.673
	Average	389.602	384.842	-4.759
	Min	384.118	381.363	-12.855
	Std Dev	4.525	2.433	4.420

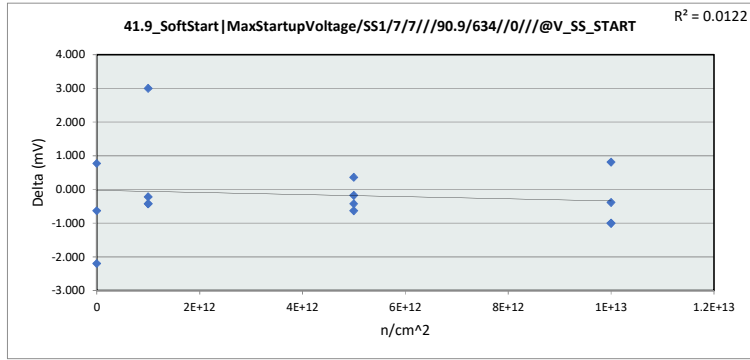


41.8_SoftStart Resistance/SS4/7/7///90.9/634//0///@R_SS_DISCHARGE				
Test Site				
Tester				
Test Number				
Max Limit	511	Ohm		
Min Limit	232	Ohm		
n/cm^2	0	1E+12	5E+12	1E+13
LL	232.000	232.000	232.000	232.000
Min	384.840	382.810	381.363	381.693
Average	386.599	384.462	383.336	385.411
Max	387.534	386.335	388.211	387.334
UL	511.000	511.000	511.000	511.000

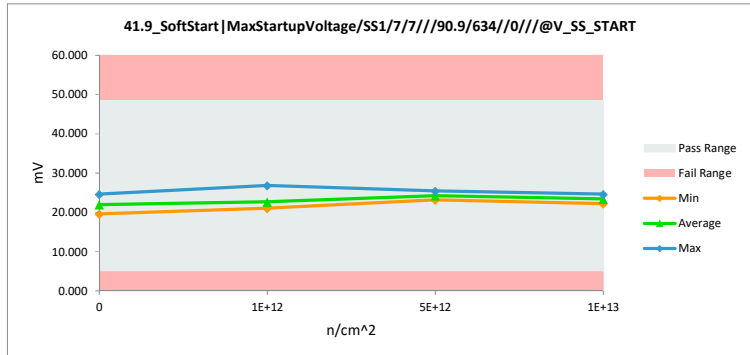


NDD Report
TPS7H4104-SP

41.9_SoftStart MaxStartupVoltage/SS1/7/7//9				
Test Site				
Tester				
Test Number				
Unit	mV		mV	
Max Limit	50		48.5	
Min Limit	-3.7		5	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	21.826	19.641	-2.185
0	2	23.846	24.629	0.783
0	3	22.238	21.620	-0.618
1E+12	10	23.846	26.855	3.009
1E+12	11	21.826	21.414	-0.412
1E+12	12	21.826	21.414	-0.412
1E+12	13	21.249	21.043	-0.206
5E+12	14	22.856	23.227	0.371
5E+12	15	24.835	24.217	-0.618
5E+12	16	24.423	24.010	-0.412
5E+12	17	25.618	25.453	-0.165
1E+13	18	23.227	22.238	-0.989
1E+13	19	25.618	24.629	-0.989
1E+13	20	23.021	23.846	0.824
1E+13	21	23.227	22.856	-0.371
Max		25.618	26.855	3.009
Average		23.299	23.139	-0.159
Min		21.249	19.641	-2.185
Std Dev		1.391	1.924	1.144

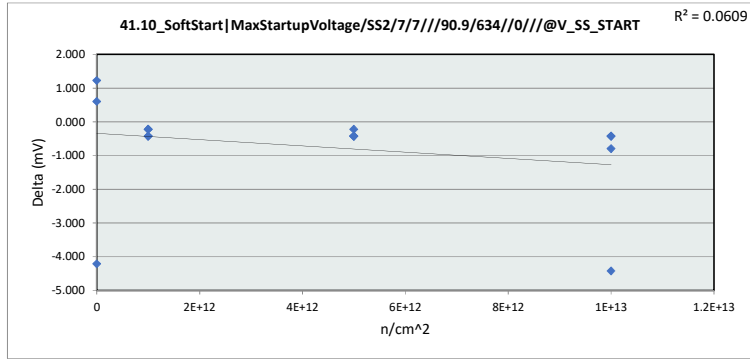


41.9_SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Max Limit	48.5		mV	
Min Limit	5		mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	19.641	21.043	23.227	22.238
Average	21.963	22.681	24.227	23.392
Max	24.629	26.855	25.453	24.629
UL	48.500	48.500	48.500	48.500

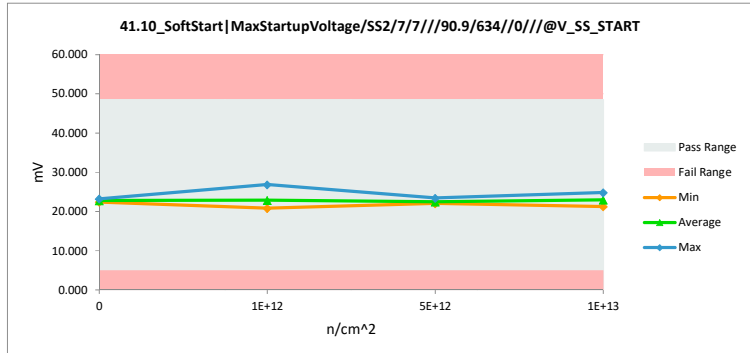


NDD Report
TPS7H4104-SP

41.10_SoftStart MaxStartupVoltage/SS2/7/7///				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	21.414	22.650	1.237
0	2	27.432	23.227	-4.204
0	3	21.826	22.444	0.618
1E+12	10	27.061	26.855	-0.206
1E+12	11	23.433	23.021	-0.412
1E+12	12	21.249	20.837	-0.412
1E+12	13	21.043	20.837	-0.206
5E+12	14	22.444	22.032	-0.412
5E+12	15	22.650	22.238	-0.412
5E+12	16	23.639	23.433	-0.206
5E+12	17	22.650	22.238	-0.412
1E+13	18	23.639	23.227	-0.412
1E+13	19	25.247	24.835	-0.412
1E+13	20	27.061	22.650	-4.410
1E+13	21	22.032	21.249	-0.783
Max		27.432	26.855	1.237
Average		23.521	22.785	-0.736
Min		21.043	20.837	-4.410
Std Dev		2.186	1.533	1.531

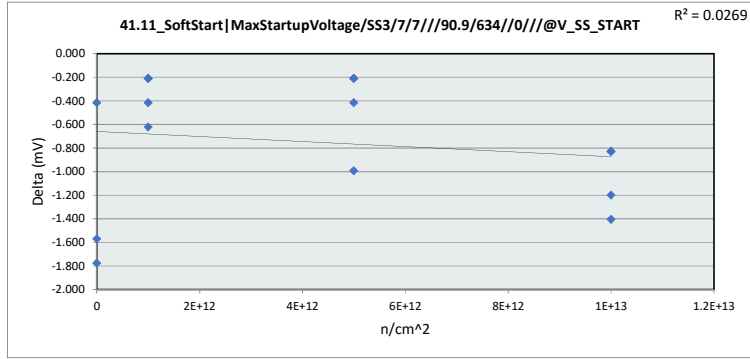


41.10_SoftStart MaxStartupVoltage				
Test Site				
Tester				
Test Number				
Max Limit		48.5	mV	
Min Limit		5	mV	
n/cm^2	0	1E+12	5E+12	1E+13
LL	5.000	5.000	5.000	5.000
Min	22.444	20.837	22.032	21.249
Average	22.774	22.887	22.485	22.990
Max	23.227	26.855	23.433	24.835
UL	48.500	48.500	48.500	48.500

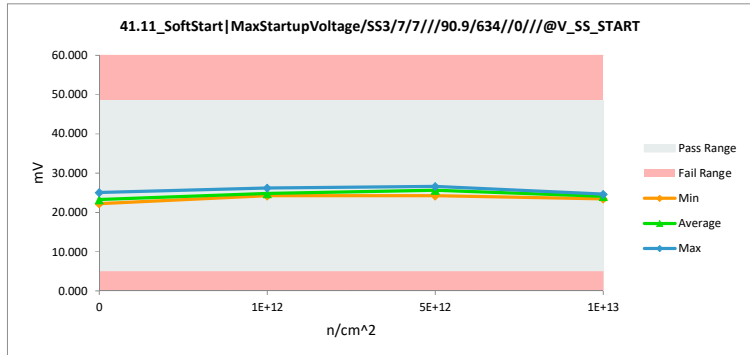


NDD Report
TPS7H4104-SP

41.11_SoftStart MaxStartupVoltage/SS3/7/7///				
Test Site				
Tester				
Test Number				
Unit		mV	mV	
Max Limit		50	48.5	
Min Limit		-3.7	5	
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	25.453	25.041	-0.412
0	2	24.010	22.238	-1.772
0	3	24.010	22.444	-1.566
1E+12	10	24.835	24.217	-0.618
1E+12	11	24.835	24.423	-0.412
1E+12	12	24.629	24.423	-0.206
1E+12	13	26.442	26.236	-0.206
5E+12	14	24.423	24.217	-0.206
5E+12	15	27.226	26.236	-0.989
5E+12	16	25.824	25.618	-0.206
5E+12	17	27.061	26.649	-0.412
1E+13	18	25.041	23.639	-1.402
1E+13	19	24.629	23.433	-1.195
1E+13	20	25.453	24.629	-0.824
1E+13	21	25.453	24.629	-0.824
Max		27.226	26.649	-0.206
Average		25.288	24.538	-0.750
Min		24.010	22.238	-1.772
Std Dev		0.998	1.298	0.531



41.11_SoftStart MaxStartupVoltage				
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	22.238	24.217	24.217	23.433
Average	23.241	24.825	25.680	24.083
Max	25.041	26.236	26.649	24.629
UL	48.500	48.500	48.500	48.500

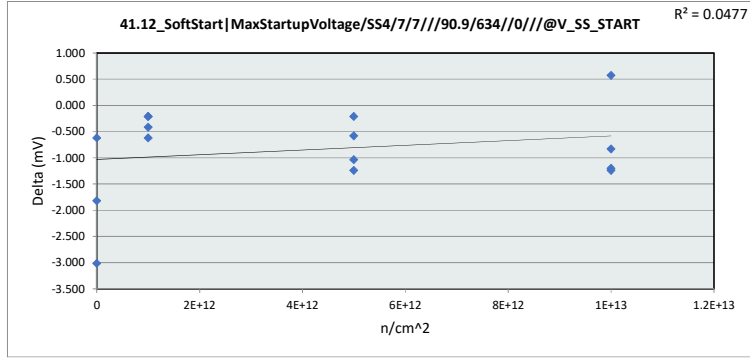


NDD Report
TPS7H4104-SP

41.12_SoftStart|MaxStartupVoltage/SS4/7/7///

Test Site		
Tester		
Test Number		
Unit	mV	mV
Max Limit	50	48.5
Min Limit	-3.7	5

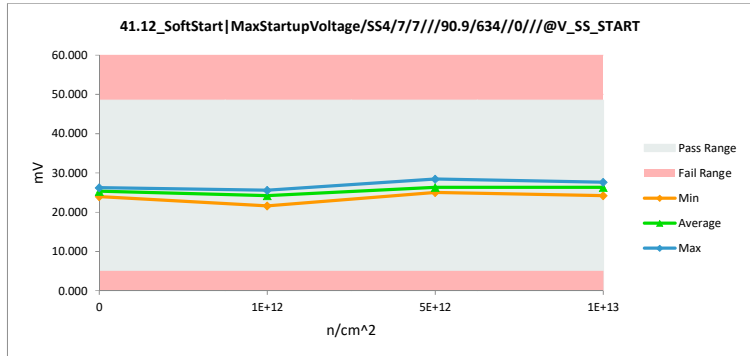
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	26.855	26.236	-0.618
0	2	25.824	24.010	-1.814
0	3	28.627	25.618	-3.009
1E+12	10	25.041	24.423	-0.618
1E+12	11	25.824	25.618	-0.206
1E+12	12	22.032	21.620	-0.412
1E+12	13	25.453	25.247	-0.206
5E+12	14	28.627	28.421	-0.206
5E+12	15	27.061	26.030	-1.031
5E+12	16	25.618	25.041	-0.577
5E+12	17	27.061	25.824	-1.237
1E+13	18	25.453	24.217	-1.237
1E+13	19	28.833	27.638	-1.195
1E+13	20	26.855	27.432	0.577
1E+13	21	26.855	26.030	-0.824
Max		28.833	28.421	0.577
Average		26.401	25.560	-0.841
Min		22.032	21.620	-3.009
Std Dev		1.718	1.656	0.832



41.12_SoftStart|MaxStartupVoltage

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	24.011	21.620	25.041	24.217
Average	25.288	24.227	26.329	26.329
Max	26.236	25.618	28.421	27.638
UL	48.500	48.500	48.500	48.500

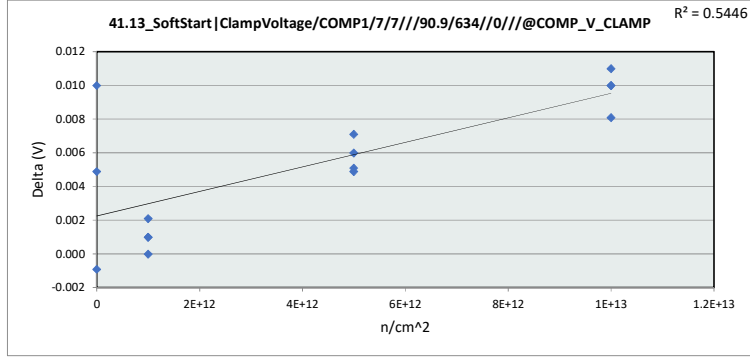


NDD Report
TPS7H4104-SP

41.13_SoftStart|ClampVoltage/COMP1/7/7//9

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.13	2.105
Min Limit	1.7	1.725

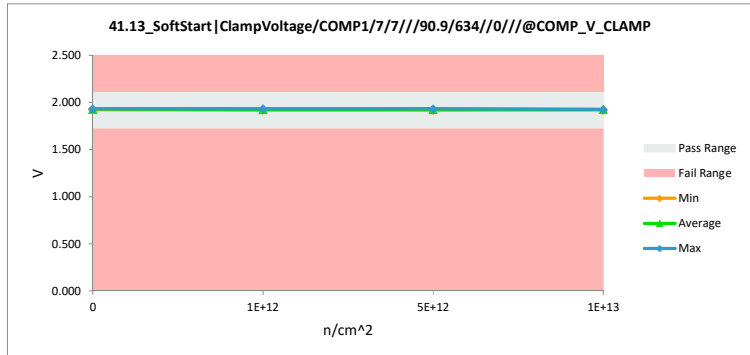
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.926	1.926	-0.001
0	2	1.923	1.933	0.010
0	3	1.926	1.931	0.005
1E+12	10	1.921	1.921	0.000
1E+12	11	1.935	1.936	0.001
1E+12	12	1.919	1.921	0.001
1E+12	13	1.923	1.925	0.002
5E+12	14	1.913	1.918	0.006
5E+12	15	1.929	1.934	0.005
5E+12	16	1.926	1.931	0.005
5E+12	17	1.918	1.925	0.007
1E+13	18	1.911	1.921	0.011
1E+13	19	1.918	1.928	0.010
1E+13	20	1.918	1.926	0.008
1E+13	21	1.918	1.928	0.010
Max		1.935	1.936	0.011
Average		1.921	1.927	0.005
Min		1.911	1.918	-0.001
Std Dev		0.006	0.005	0.004



41.13_SoftStart|ClampVoltage/CO

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	1.926	1.921	1.919	1.922
Average	1.930	1.925	1.927	1.926
Max	1.933	1.936	1.934	1.928
UL	2.105	2.105	2.105	2.105

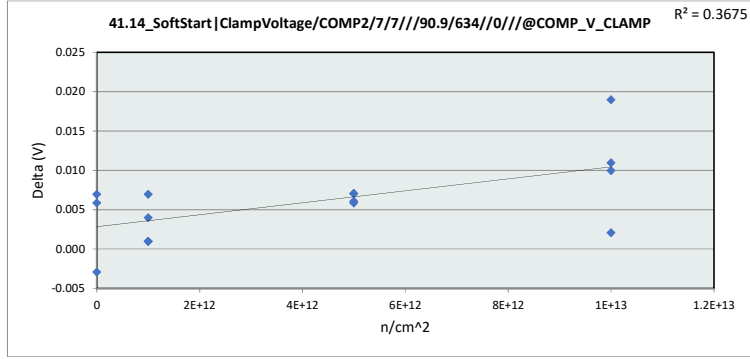


NDD Report
TPS7H4104-SP

41.14_SoftStart|ClampVoltage/COMP2/7/7//9

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.13	2.105
Min Limit	1.7	1.725

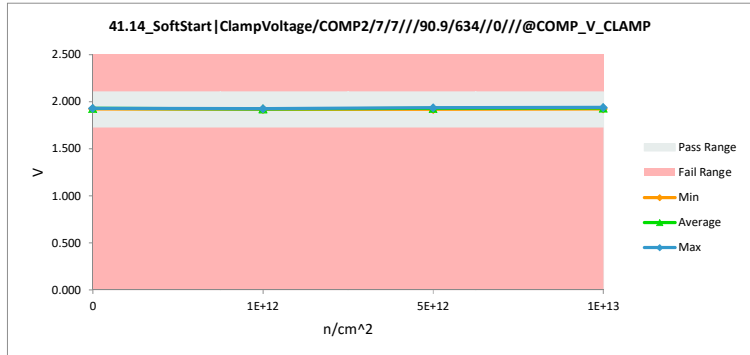
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.928	1.925	-0.003
0	2	1.921	1.928	0.007
0	3	1.926	1.931	0.006
1E+12	10	1.921	1.928	0.007
1E+12	11	1.923	1.923	0.001
1E+12	12	1.919	1.923	0.004
1E+12	13	1.921	1.921	0.001
5E+12	14	1.914	1.919	0.006
5E+12	15	1.929	1.936	0.007
5E+12	16	1.928	1.934	0.006
5E+12	17	1.918	1.926	0.007
1E+13	18	1.926	1.936	0.010
1E+13	19	1.919	1.939	0.019
1E+13	20	1.923	1.925	0.002
1E+13	21	1.919	1.931	0.011
Max		1.929	1.939	0.019
Average		1.922	1.928	0.006
Min		1.914	1.919	-0.003
Std Dev		0.004	0.006	0.005



41.14_SoftStart|ClampVoltage/CO

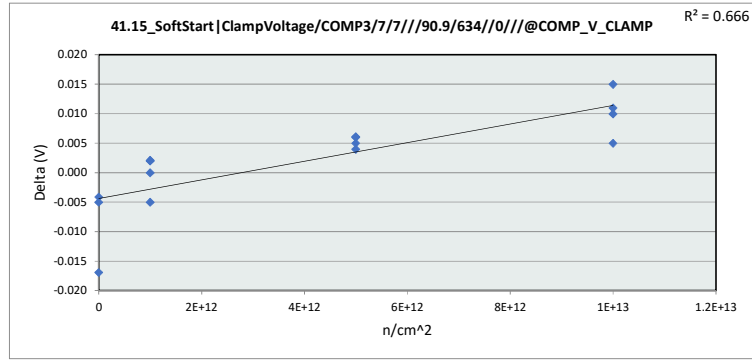
Test Site		
Tester		
Test Number		
Max Limit	2.105	V
Min Limit	1.725	V

n/cm^2	0	1E+12	5E+12	1E+13
LL	1.725	1.725	1.725	1.725
Min	1.925	1.922	1.920	1.925
Average	1.928	1.924	1.929	1.932
Max	1.932	1.928	1.936	1.939
UL	2.105	2.105	2.105	2.105

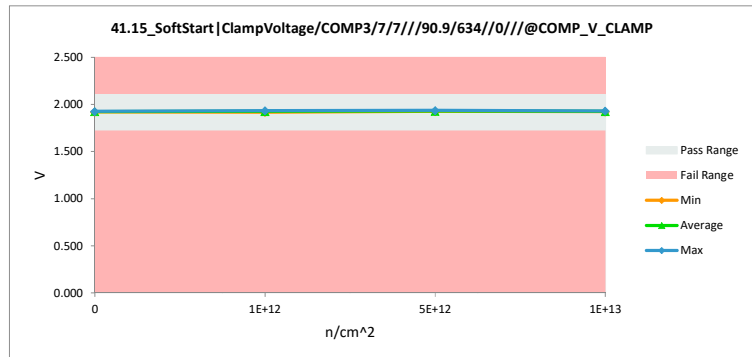


NDD Report
TPS7H4104-SP

41.15_SoftStart ClampVoltage/COMP3/7/7//9				
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_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.941	1.925	-0.017
0	2	1.925	1.921	-0.004
0	3	1.933	1.928	-0.005
1E+12	10	1.923	1.918	-0.005
1E+12	11	1.934	1.936	0.002
1E+12	12	1.931	1.931	0.000
1E+12	13	1.923	1.926	0.002
5E+12	14	1.923	1.928	0.004
5E+12	15	1.931	1.937	0.006
5E+12	16	1.921	1.928	0.006
5E+12	17	1.923	1.928	0.005
1E+13	18	1.918	1.923	0.005
1E+13	19	1.916	1.931	0.015
1E+13	20	1.918	1.929	0.011
1E+13	21	1.918	1.929	0.010
Max		1.941	1.937	0.015
Average		1.925	1.927	0.002
Min		1.916	1.918	-0.017
Std Dev		0.007	0.005	0.008



41.15_SoftStart ClampVoltage/CO				
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	1.921	1.919	1.928	1.923
Average	1.924	1.928	1.930	1.928
Max	1.928	1.936	1.937	1.931
UL	2.105	2.105	2.105	2.105

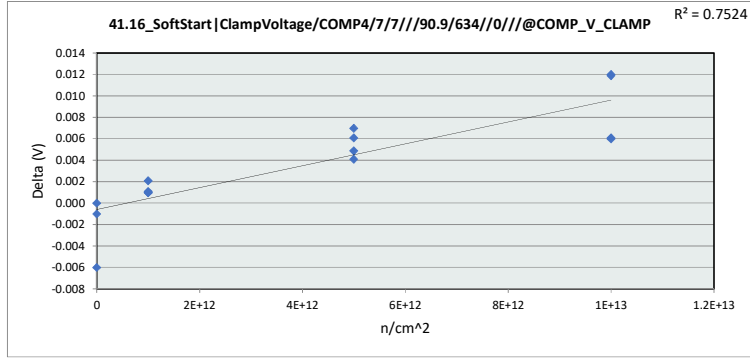


NDD Report
TPS7H4104-SP

41.16_SoftStart|ClampVoltage/COMP4/7/7//9

Test Site		
Tester		
Test Number		
Unit	V	V
Max Limit	2.13	2.105
Min Limit	1.7	1.725

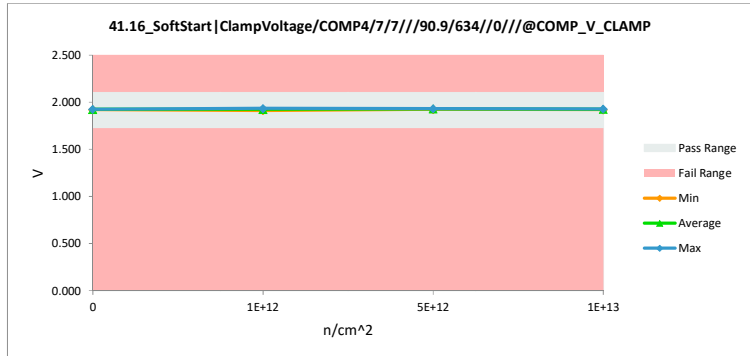
n/cm^2	Serial #	Post_NDD_TPS7H4104-SP	Pre_NDD_TPS7H4104-SP	Delta
0	1	1.926	1.926	0.000
0	2	1.923	1.923	-0.001
0	3	1.929	1.923	-0.006
1E+12	10	1.913	1.914	0.001
1E+12	11	1.934	1.935	0.001
1E+12	12	1.929	1.929	0.001
1E+12	13	1.923	1.925	0.002
5E+12	14	1.919	1.926	0.006
5E+12	15	1.929	1.934	0.004
5E+12	16	1.923	1.931	0.007
5E+12	17	1.925	1.929	0.005
1E+13	18	1.910	1.921	0.012
1E+13	19	1.915	1.926	0.012
1E+13	20	1.919	1.926	0.006
1E+13	21	1.923	1.929	0.006
Max		1.934	1.935	0.012
Average		1.923	1.926	0.004
Min		1.910	1.914	-0.006
Std Dev		0.007	0.005	0.005



41.16_SoftStart|ClampVoltage/CO

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	1.923	1.914	1.926	1.922
Average	1.924	1.926	1.930	1.926
Max	1.927	1.935	1.934	1.930
UL	2.105	2.105	2.105	2.105



5 Revision History

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

Changes from Revision * (July 2025) to Revision A (September 2025)	Page
• Changed device name from -SP to -SEP throughout the publication.....	0
• Changed Device and Exposure Details table subheading to NDD Exposure Details.....	2

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