

TPS7H1101A-SP Neutron Displacement Damage (NDD) Characterization Test Report



ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H1101A-SP device. The results show that all devices were fully functional and within production test limits after having been irradiated up to 5×10^{12} n/cm². A sample size of six units was exposed to radiation testing per (MIL-STD-883, Method 1017 for Neutron Irradiation). All devices used in the experiment were from lot date code 2017A and assembly lot 0002938 MMT. Electrical testing was performed at Texas Instruments before and after neutron irradiation using the production test program for 5962R1320201VXC.

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1 Overview

The TPS7H1101A-SP is an improved version of the TPS7H1101-SP, which allows the enable feature to be used across the entire input voltage range. The device is a radiation-hardened LDO linear regulator that uses a PMOS pass element configuration. The device operates over a wide range of input voltage, from 1.5 V to 7 V while offering PSRR. The TPS7H1101A-SP features a precise and programmable foldback current-limit implementation with a wide adjustment range. To support the complex power requirements of FPGAs, DSPs, or microcontrollers, the TPS7H1101ASP provides enable on and off functionality, programmable soft start, current sharing capability, and a power-good open-drain output.

General device information and testing conditions are listed in [Table 1-1](#).

Table 1-1. Overview Information

TI Part Number	TPS7H1101A-SP
SMD Number	5962R13202
Device Function	1.5-V to 7-V Input, 3-A, Radiation-Hardened LDO Regulator
Die Name	RTPS7H1X01B1VM
Technology	LBC7
A/T Lot Number / Date Code	0002938 MMT / 2017A
Biased Quantity Tested	0
Unbiased Quantity Tested	6
Exposure Facility	VPT Rad
Neutron Fluence (1 MeV equivalent)	1.0 × 10 ¹² n/cm ² 5.0 × 10 ¹² n/cm ²
Irradiation Temperature	25°C
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2 Test Procedures

The TPS7H1101A-SP was electrically pre-tested using the production automated test equipment program. General test procedures were IAW MIL-STD-883, Method 1017 for Neutron Irradiation of TPS7H1101A-SP as listed in [Table 2-1](#).

Table 2-1. Neutron Irradiation Conditions

Group	Sample Quantity	Neutron Fluence (n / cm ²)	Bias
A	3	1.0 × 10 ¹² n / cm ²	Unbiased
B	3	5.0 × 10 ¹² n / cm ²	Unbiased

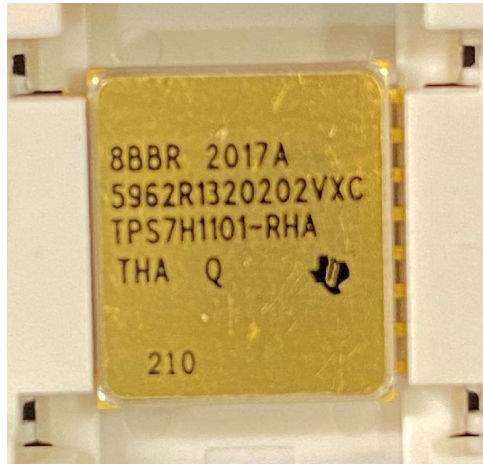


Figure 2-1. TPS7H1101A-SP Device

3 Facility

VPT Rad performs all neutron displacement damage irradiations in a low-enriched, open-pool, water moderated, thermal neutron reactor. It utilizes flat-plate type fuel, and having a maximum thermal energy output of up to 1 MW. The Fast Neutron Irradiator (FNI) faces one side of the reactor core, its design produces a geometrical planar beam of fast neutrons that is approximately uniform over an area of 12 in × 20 in. Lead and thermal neutron absorbing compounds are combined to filter out both fission gammas and thermal neutrons. The ratio of fast-to-thermal neutrons is approximately 400:1, with a gamma exposure of less than 150 rad (Si) for a $1E12 \text{ n / cm}^2$ (1 MeV Si equivalent) exposure. The FNI can accommodate a sample or samples with sizes up to 30 cm in diameter and 15-cm thick including packaging materials. The minimum neutron fluence rate is $1E6 \text{ n / cm}^2 \text{ -s}$. The maximum neutron fluence rate is approximately $1.0 E11 \text{ n / cm}^2 \text{ -s}$. (both values are 1 MeV Si equivalent). The neutron fluence rate is determined using the previously-measured neutron radiation field for the FNI, performed in accordance with ASTM standards (ASTM F1190), and correlated to the measured reactor power level. The neutron dose is timed to meet the customer-specified fluence for the irradiation. Neutron dosimetry meeting ASTM standards (ASTM E265) is utilized to track and ensure irradiations meet the required minimum. The facility retains source-suitability with the Defense Logistics Agency (DLA) Laboratory Suitability Program for ASTM Test Method 1017. The DUTS are typically irradiation in an unbiased condition as per TM1017. If bias conditions are required, the conditions can be maintained via dry thimbles connected to the irradiation volume.

4 Results

The device passed all parametric measurements well within all data sheet limits for the exposure level $5.0 \times 10^{12} \text{ n / cm}^2$. All parametric measurements remained well within the production test limits which are guard banded from the data sheet limits. An overview of the largest drifts seen post-test is shown later in this section. The data sheet parameters that were tested pre- and post-neutron radiation and their corresponding test names are included in [Section 5. Appendix A](#) contains the graphs showing the drift between pre- and post-neutron radiation for these parameters.

Enable pin propagation delay increased after the neutron exposure. "20.1_EN_IOUT_PROP_DELAY" is the test used to measure this parameter. The value drifted upwards by an average of about 100 μs and a maximum of 220 μs . The drift observed was similar at both $1.0 \times 10^{12} \text{ n/cm}^2$ and $5.0 \times 10^{12} \text{ n / cm}^2$.

5 Data Sheet Electrical Parameters and Associated Tests

$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT(\text{target})} = V_{IN} - 0.35\text{ V}$, $I_{OUT} = 10\text{ mA}$, $V_{EN} = 1.1\text{ V}$, $C_{OUT} = 22\text{ }\mu\text{F}$, PG terminal pulled up to V_{IN} with $50\text{ k}\Omega$, over operating temperature range ($T_J = -55^\circ\text{C}$ to 125°C), unless otherwise noted. Typical values are at $T_J = 25^\circ\text{C}$.

Parameters		Test Conditions	MIN	TYP	MAX	Unit	Test Numbers
Symbol	Description						
V_{IN}	Input Voltage Range		1.5		7	V	13.1, 13.2
V_{FB}	Feedback pin voltage ⁽¹⁾	$0\text{ A} \leq I_{OUT} \leq 3\text{ A}$, $1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$	0.594	0.605	0.616	V	13.0, 13.16, 13.17, 25.16, 25.17, 25.19, 25.20, 25.22, 25.23
V_{OUT}	Output voltage range		0.8		V_{IN}	V	13.1, 13.2, 13.4
	Output voltage accuracy ⁽¹⁾	$0\text{ A} \leq I_{OUT} \leq 3\text{ A}$, $1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 0.8\text{ V}, 1.2\text{ V}, 1.8\text{ V}, 6.65\text{ V}$	-2		2	%	13.1, 13.10, 13.11, 13.13, 13.14, 13.2, 13.4, 25.0, 25.1, 25.10, 25.12, 25.14, 25.4, 25.5, 25.7, 25.8, 28.4, 28.5, 28.7, 28.8
$\Delta V_{OUT}\% / \Delta V_{IN}$	Line regulation	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$	-0.07	0.01	0.07	% / V	13.12, 13.15, 13.3
ΔV_{OUT}	DC input line regulation	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 0.8\text{ V}$, $I_{OUT} = 10\text{ mA}$, $T_J = 25^\circ\text{C}$ ⁽²⁾		0.2	0.6	mV	13.19
		$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 1.2\text{ V}$, $I_{OUT} = 10\text{ mA}$, $T_J = 25^\circ\text{C}$ ⁽²⁾		0.2	0.6	mV	13.21
		$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 1.8\text{ V}$, $I_{OUT} = 10\text{ mA}$, $T_J = 25^\circ\text{C}$ ⁽²⁾		0.2	0.6	mV	13.20
V_{DO}	Dropout voltage ⁽³⁾	$I_{OUT} = 3\text{ A}$, $V_{OUT} = 1.3\text{ V}$, $V_{IN} = V_{OUT} + V_{DO}$		210	335	mV	13.6
I_{CL}	Programmable output current limit range	$V_{IN} = 1.5\text{ V}$, $V_{OUT} = 1.2\text{ V}$, PCL resistance = $47\text{ k}\Omega$	500		750	mA	26.1
		$V_{IN} = 1.5\text{ V}$, $V_{OUT} = 1.2\text{ V}$, PCL resistance varies	200		3500 ⁽⁴⁾	mA	26.0
CSR	Current sense ratio	I_{LOAD} / I_{CS} , $V_{IN} = 2.3\text{ V}$, $V_{OUT} = 1.9\text{ V}$, $T_J = 25^\circ\text{C}$, $I_{LOAD} \geq 500\text{ mA}$	45000		59000	A/A	20.3, 20.7, 20.9
I_{GND}	GND pin current	$V_{IN} = 1.5\text{ V}$, $V_{OUT} = 1.2\text{ V}$, $I_{OUT} = 2\text{ A}$		10	16	mA	13.8
I_Q	Quiescent current (no load)	$V_{IN} = V_{OUT} + 0.5\text{ V}$, $I_{OUT} = 0\text{ A}$		7	10	mA	12.0, 12.1, 12.2, 12.3
I_{SHDN}	Shutdown current (IGND)	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $T_J = 25^\circ\text{C}$ ⁽⁶⁾		26	230	μA	11.0, 11.1, 11.2, 11.3
I_{SNS}, I_{FB}	FB/SNS pin current	$V_{IN} = 7\text{ V}$, $V_{OUT} = 6.65\text{ V}$		1	5	nA	19.0
I_{EN}	EN pin input current	$V_{IN} = 7\text{ V}$, $V_{EN} = 7\text{ V}$, $V_{OUT} = 6.65\text{ V}$		20	150	nA	14.3, 15.3, 25.2, 28.2
V_{ILEN}	EN pin input low (disable)	$1.5\text{ V} < V_{IN} < 7\text{ V}$			0.55	V	14.0, 15.0, 16.0
V_{IHEN}	EN pin input high (enable)	$3.5\text{ V} < V_{IN} < 7\text{ V}$	$V_{IN} - 0.7$			V	14.1, 15.1, 16.1
Eprop Dly	Enable pin propagation delay	$V_{IN} = 2.2\text{ V}$, EN rise to $I_{OUT\text{rise}}$		650	1000	μS	20.1

$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT(\text{target})} = V_{IN} - 0.35\text{ V}$, $I_{OUT} = 10\text{ mA}$, $V_{EN} = 1.1\text{ V}$, $C_{OUT} = 22\text{ }\mu\text{F}$, PG terminal pulled up to V_{IN} with $50\text{ k}\Omega$, over operating temperature range ($T_J = -55^\circ\text{C}$ to 125°C), unless otherwise noted. Typical values are at $T_J = 25^\circ\text{C}$.

Parameters		Test Conditions	MIN	TYP	MAX	Unit	Test Numbers
Symbol	Description						
T_{EN}	Enable pin turn-on delay (Delay to PG assertion)	$V_{IN} = 2.2\text{ V}$, $V_{OUT} = 1.8\text{ V}$, $I_{Load} = 0.5\text{ A}$, $C_{OUT} = 220\text{ }\mu\text{F}$, $C_{SS} = 2\text{ nF}$		1.4	1.6	mS	20.0
V_{THPG}	PG threshold on	No load, $0.8\text{ V} \leq V_{OUT} \leq 6.65\text{ V}$	86	90		%	17.1, 17.5
$V_{THPGHYS}$	PG hysteresis	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$		2		%	22.9
V_{OLPG}	PG pin output low	$I_{PG} = 0\text{ mA}$ to -1 mA		120	300	mV	17.2, 17.3
I_{LKPGPG}	PG pin leakage current	$V_{OUT} > V_{THPG}$, $V_{PG} = 1.2\text{ V}$		0.2	1.5	μA	23.0
		$V_{OUT} > V_{THPG}$, $V_{PG} = 7\text{ V}$		0.5	2.5	μA	
I_{SS}	SS terminal Charge current	$V_{IN} = 1.5\text{ V}$ to 7 V		2.5	3.5	μA	21.0, 22.0
V_{SS}	SS terminal voltage (device enabled) ⁽⁷⁾	$V_{IN} = 1.5\text{ V}$ to 7 V			1.232	V	22.1

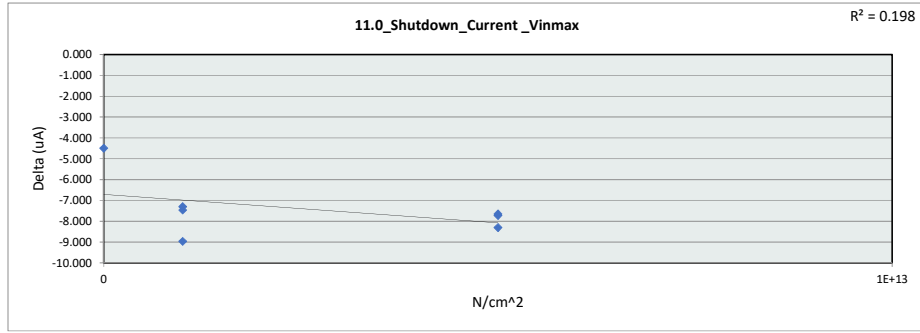
1. The output voltage accuracy of condition at $I_{OUT} = 2\text{ A}$ and $I_{OUT} = 3\text{ A}$ is specified by characterization, but not production tested.
2. Line and load regulations done under pulse condition for $t < 10\text{ ms}$.
3. The parameter is specified to the limit in characterization, but not production tested.
4. The maximum limit of the I_{CL} parameter is specified to the limit in characterization, but not production tested.
5. To make sure that foldback is enabled, V_{CS} must be $> 0.9 \times V_{FB}$.
6. This maximum limit applies to SMD 5962R13202 post 100-krad(Si) test at 25°C .
7. Any external pullup voltage must not exceed 1.188 V .

A Test Results

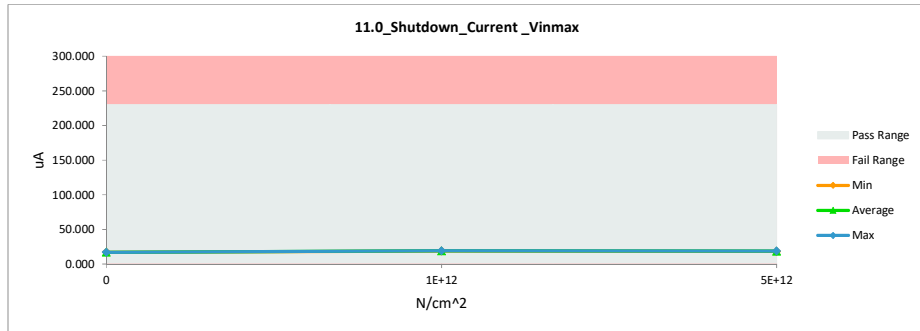
This appendix contains the detailed NDD test results.

NDD Report
TPS7H1101A-SP

11.0_Shutdown_Current_Vinmax				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	uA	uA		
Max Limit	230	230		
Min Limit	0.5	0.5		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	26.252	18.948	-7.304
1E+12	203	26.491	19.021	-7.470
1E+12	204	27.814	18.842	-8.972
5E+12	205	26.568	18.911	-7.657
5E+12	206	26.693	18.971	-7.722
5E+12	207	26.490	18.183	-8.307
0	211	21.558	17.061	-4.497
	Max	27.814	19.021	-4.497
	Average	25.981	18.562	-7.418
	Min	21.558	17.061	-8.972
	Std Dev	2.015	0.722	1.408

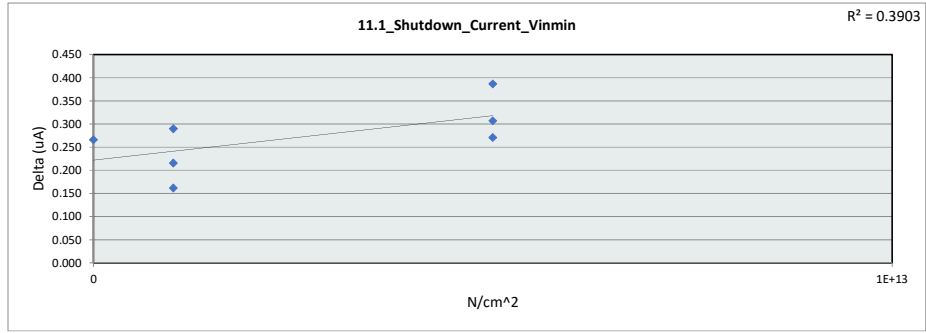


11.0_Shutdown_Current_Vinmax			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	230	uA	
Min Limit	0.5	uA	
N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	17.061	18.842	18.183
Average	17.061	18.937	18.688
Max	17.061	19.021	18.971
UL	230.000	230.000	230.000

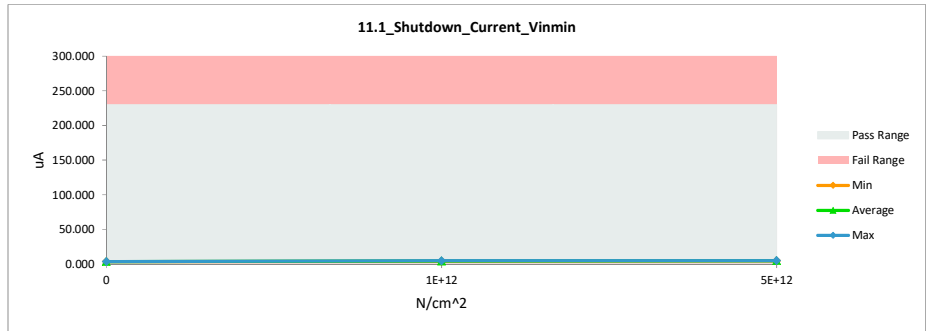


NDD Report
TPS7H1101A-SP

11.1_Shutdown_Current_Vinmin				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	uA	uA		
Max Limit	230	230		
Min Limit	0.5	0.5		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	3.692	3.982	0.290
1E+12	203	4.544	4.706	0.162
1E+12	204	4.440	4.656	0.216
5E+12	205	4.528	4.835	0.307
5E+12	206	4.605	4.992	0.387
5E+12	207	4.319	4.590	0.271
0	211	3.114	3.380	0.266
	Max	4.605	4.992	0.387
	Average	4.177	4.449	0.271
	Min	3.114	3.380	0.162
	Std Dev	0.562	0.568	0.071



11.1_Shutdown_Current_Vinmin			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	230	uA	
Min Limit	0.5	uA	
N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	3.380	3.982	4.590
Average	3.380	4.448	4.806
Max	3.380	4.706	4.992
UL	230.000	230.000	230.000

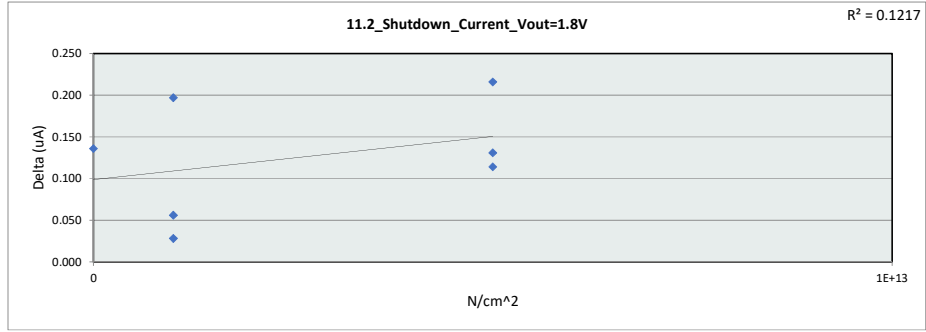


NDD Report
TPS7H1101A-SP

11.2 Shutdown Current Vout=1.8V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	230	230
Min Limit	0.5	0.5

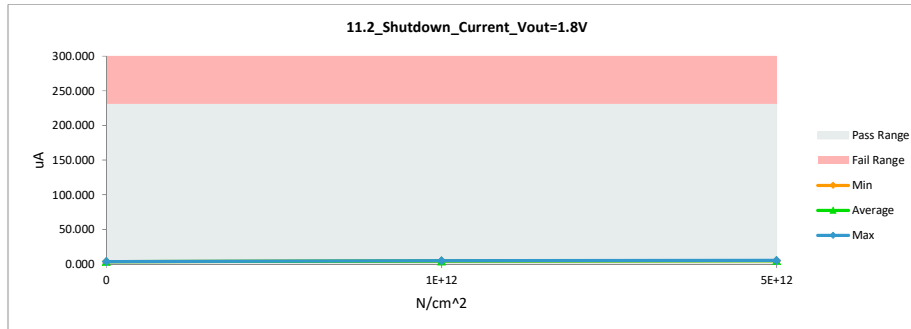
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	4.006	4.203	0.197
1E+12	203	4.906	4.934	0.028
1E+12	204	4.773	4.829	0.056
5E+12	205	4.883	5.014	0.131
5E+12	206	4.946	5.162	0.216
5E+12	207	4.661	4.775	0.114
0	211	3.454	3.590	0.136
	Max	4.946	5.162	0.216
	Average	4.518	4.644	0.125
	Min	3.454	3.590	0.028
	Std Dev	0.570	0.555	0.068



11.2 Shutdown Current Vout=1.8V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	230 uA
Min Limit	0.5 uA

N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	3.590	4.203	4.775
Average	3.590	4.655	4.984
Max	3.590	4.934	5.162
UL	230.000	230.000	230.000

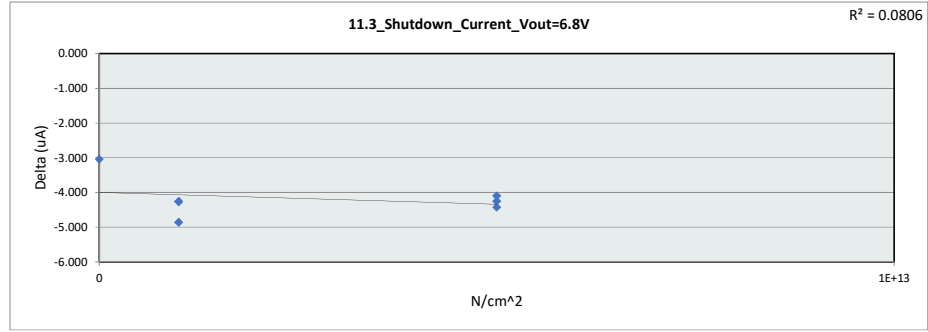


NDD Report
TPS7H1101A-SP

11.3 Shutdown Current_Vout=6.8V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	230	230
Min Limit	0.5	0.5

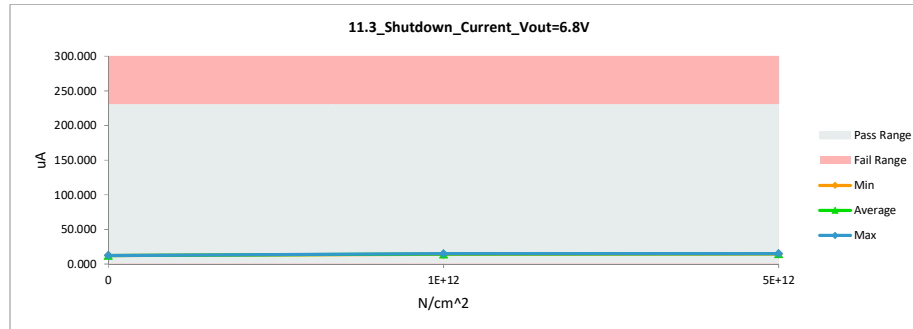
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	18.136	13.868	-4.268
1E+12	203	19.220	14.961	-4.259
1E+12	204	19.615	14.754	-4.861
5E+12	205	19.205	14.950	-4.255
5E+12	206	19.220	15.122	-4.098
5E+12	207	18.868	14.442	-4.426
0	211	15.470	12.426	-3.044
	Max	19.615	15.122	-3.044
	Average	18.533	14.360	-4.173
	Min	15.470	12.426	-4.861
	Std Dev	1.427	0.952	0.554



11.3 Shutdown Current_Vout=6.8V

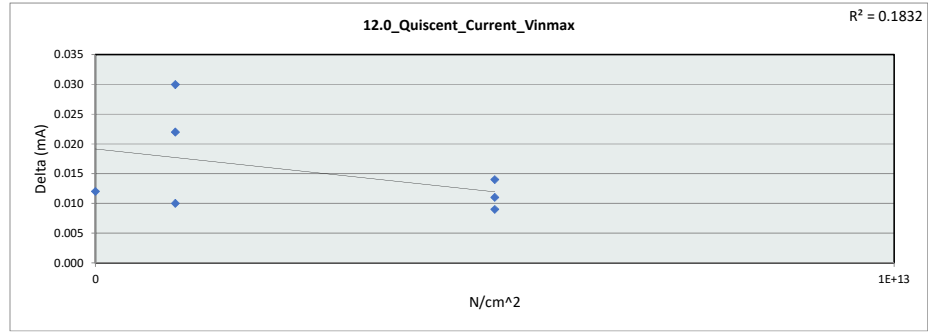
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	230 uA
Min Limit	0.5 uA

N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	12.426	13.868	14.442
Average	12.426	14.528	14.838
Max	12.426	14.961	15.122
UL	230.000	230.000	230.000

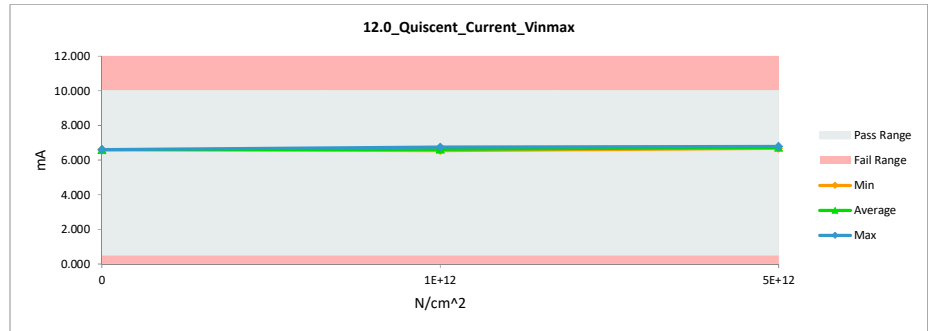


NDD Report
TPS7H1101A-SP

12.0_Quiscent_Current_Vinmax				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mA		mA	
Max Limit	10		10	
Min Limit	0.5		0.5	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.560	6.582	0.022
1E+12	203	6.735	6.745	0.010
1E+12	204	6.527	6.557	0.030
5E+12	205	6.734	6.743	0.009
5E+12	206	6.668	6.682	0.014
5E+12	207	6.775	6.786	0.011
0	211	6.591	6.603	0.012
	Max	6.775	6.786	0.030
	Average	6.656	6.671	0.015
	Min	6.527	6.557	0.009
	Std Dev	0.097	0.091	0.008

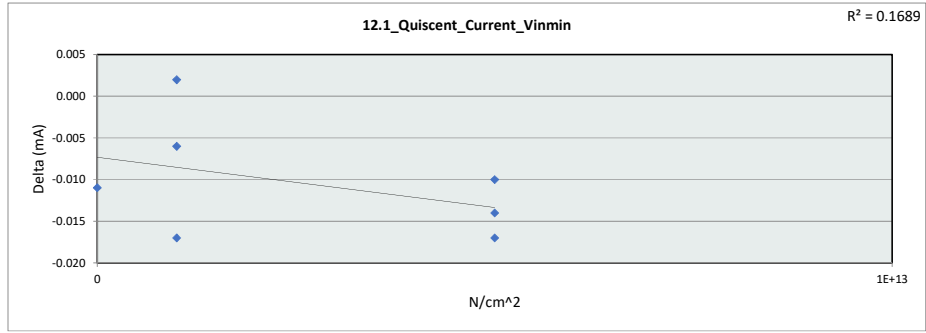


12.0_Quiscent_Current_Vinmax			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	10 mA		
Min Limit	0.5 mA		
N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	6.603	6.557	6.682
Average	6.603	6.628	6.737
Max	6.603	6.745	6.786
UL	10.000	10.000	10.000

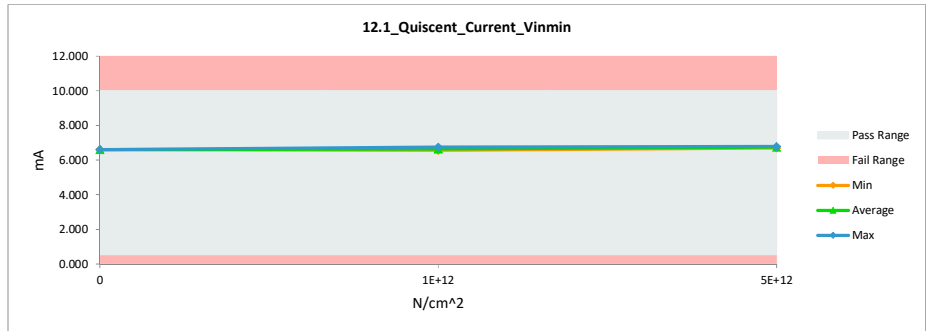


NDD Report
TPS7H1101A-SP

12.1_Quiscent_Current_Vinmin				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mA		mA	
Max Limit	10		10	
Min Limit	0.5		0.5	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.598	6.592	-0.006
1E+12	203	6.771	6.754	-0.017
1E+12	204	6.565	6.567	0.002
5E+12	205	6.768	6.751	-0.017
5E+12	206	6.703	6.693	-0.010
5E+12	207	6.806	6.792	-0.014
0	211	6.621	6.610	-0.011
	Max	6.806	6.792	0.002
	Average	6.690	6.680	-0.010
	Min	6.565	6.567	-0.017
	Std Dev	0.096	0.090	0.007



12.1_Quiscent_Current_Vinmin			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	10	mA	
Min Limit	0.5	mA	
N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	6.610	6.567	6.693
Average	6.610	6.638	6.745
Max	6.610	6.754	6.792
UL	10.000	10.000	10.000

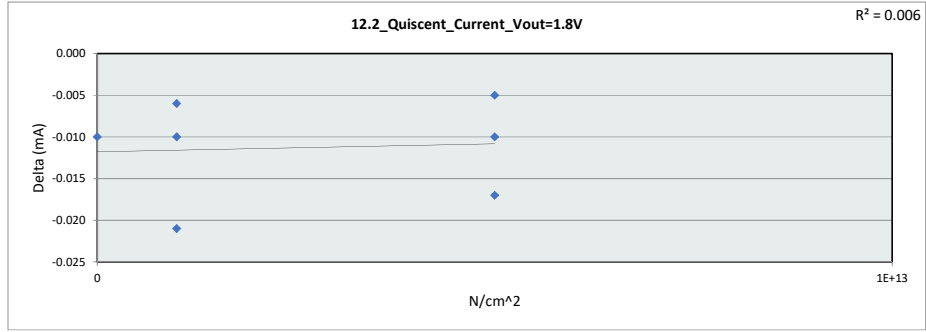


NDD Report
TPS7H1101A-SP

12.2_Quiscent_Current_Vout=1.8V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	10	10
Min Limit	0.5	0.5

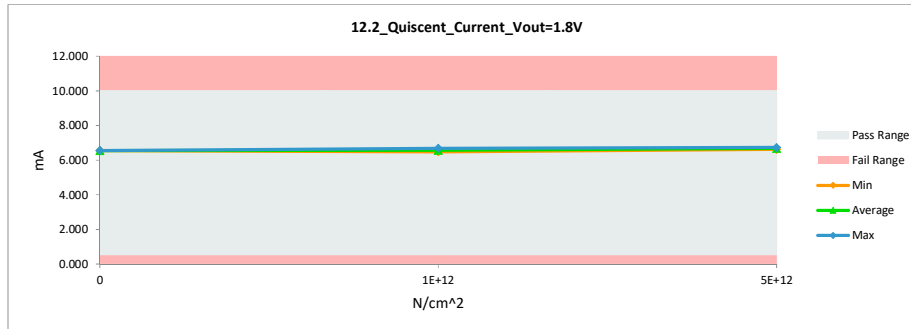
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.528	6.522	-0.006
1E+12	203	6.707	6.686	-0.021
1E+12	204	6.493	6.483	-0.010
5E+12	205	6.698	6.688	-0.010
5E+12	206	6.632	6.615	-0.017
5E+12	207	6.734	6.729	-0.005
0	211	6.556	6.546	-0.010
	Max	6.734	6.729	-0.005
	Average	6.621	6.610	-0.011
	Min	6.493	6.483	-0.021
	Std Dev	0.096	0.095	0.006



12.2_Quiscent_Current_Vout=1.8V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	10 mA
Min Limit	0.5 mA

N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	6.546	6.483	6.615
Average	6.546	6.564	6.677
Max	6.546	6.686	6.729
UL	10.000	10.000	10.000

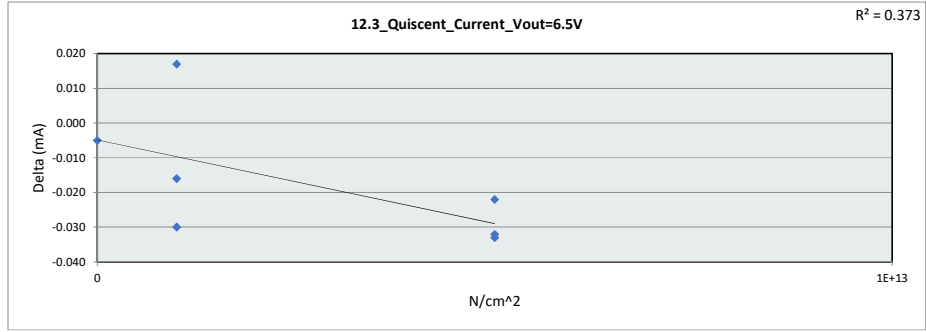


NDD Report
TPS7H1101A-SP

12.3_Quiscent_Current_Vout=6.5V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	10	10
Min Limit	0.5	0.5

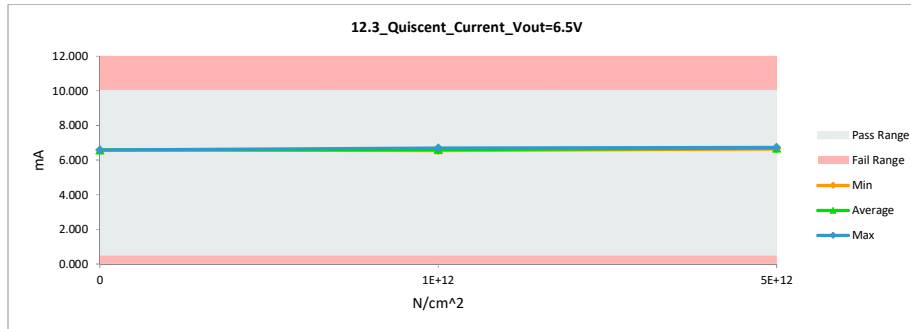
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.563	6.547	-0.016
1E+12	203	6.737	6.707	-0.030
1E+12	204	6.531	6.548	0.017
5E+12	205	6.733	6.700	-0.033
5E+12	206	6.670	6.648	-0.022
5E+12	207	6.772	6.740	-0.032
0	211	6.585	6.580	-0.005
	Max	6.772	6.740	0.017
	Average	6.656	6.639	-0.017
	Min	6.531	6.547	-0.033
	Std Dev	0.096	0.080	0.018



12.3_Quiscent_Current_Vout=6.5V

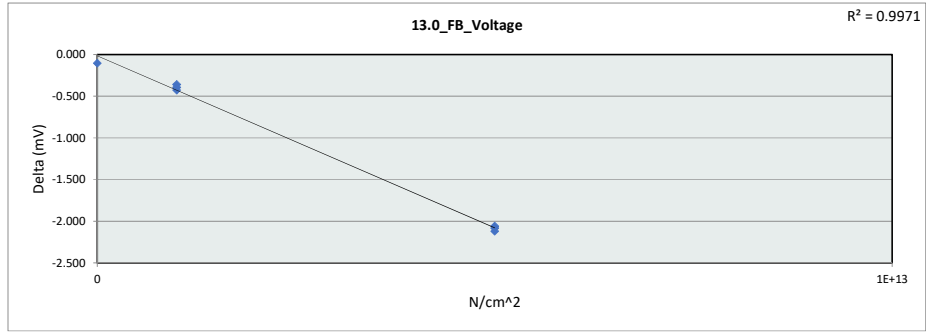
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	10 mA
Min Limit	0.5 mA

N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	6.580	6.547	6.648
Average	6.580	6.601	6.696
Max	6.580	6.707	6.740
UL	10.000	10.000	10.000

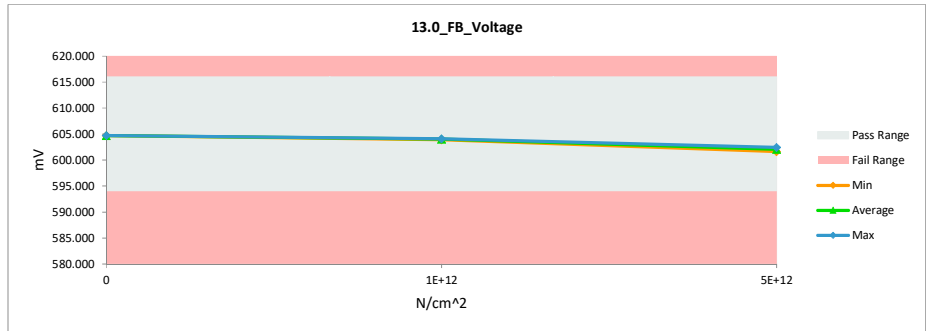


NDD Report
TPS7H1101A-SP

13.0_FB_Voltage				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mV		mV	
Max Limit	616		616	
Min Limit	594		594	
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.524	604.099	-0.425
1E+12	203	604.484	604.092	-0.392
1E+12	204	604.293	603.934	-0.359
5E+12	205	604.265	602.146	-2.119
5E+12	206	603.706	601.623	-2.083
5E+12	207	604.514	602.455	-2.059
0	211	604.834	604.732	-0.102
	Max	604.834	604.732	-0.102
	Average	604.374	603.297	-1.077
	Min	603.706	601.623	-2.119
	Std Dev	0.349	1.196	0.951

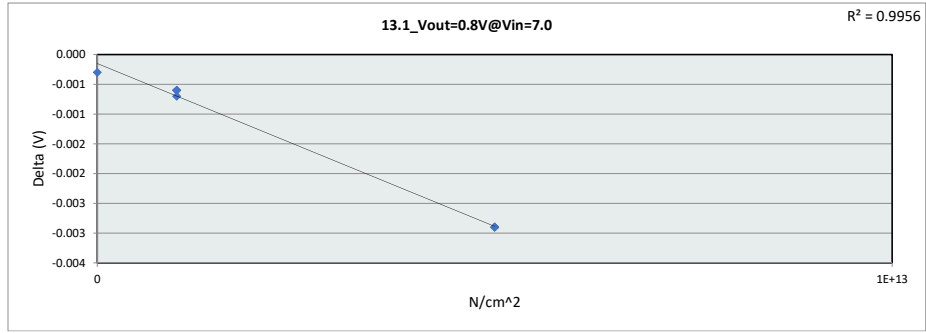


13.0_FB_Voltage			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	616 mV		
Min Limit	594 mV		
N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.732	603.934	601.623
Average	604.732	604.042	602.075
Max	604.732	604.099	602.455
UL	616.000	616.000	616.000

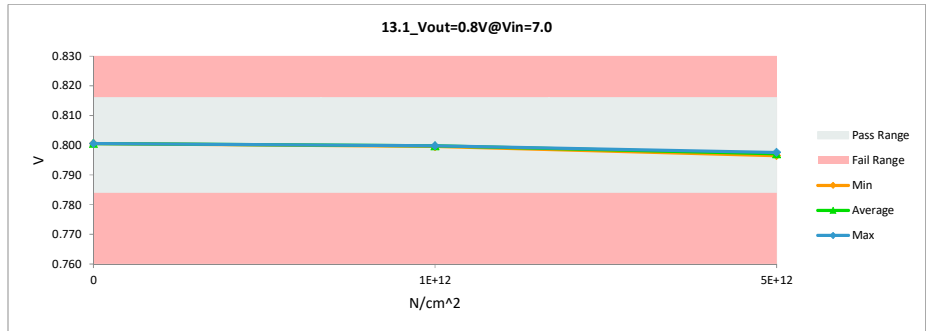


NDD Report
TPS7H1101A-SP

13.1_Vout=0.8V@Vin=7.0				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	0.816	0.816		
Min Limit	0.784	0.784		
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	0.800	0.800	-0.001
1E+12	203	0.800	0.800	-0.001
1E+12	204	0.800	0.800	-0.001
5E+12	205	0.800	0.797	-0.003
5E+12	206	0.799	0.797	-0.003
5E+12	207	0.800	0.798	-0.003
0	211	0.801	0.801	0.000
Max		0.801	0.801	0.000
Average		0.800	0.799	-0.002
Min		0.799	0.797	-0.003
Std Dev		0.000	0.002	0.001

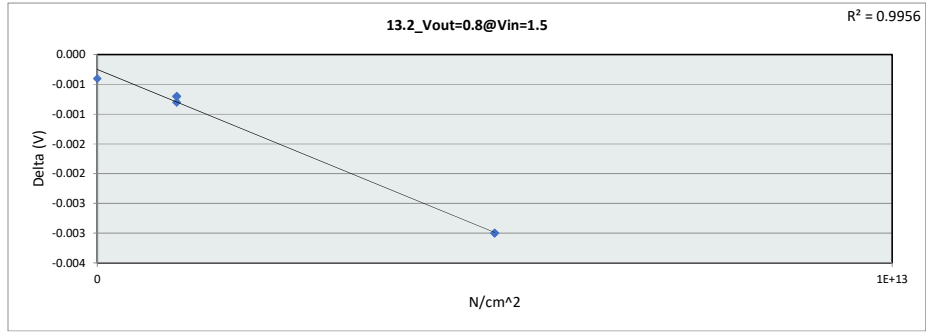


13.1_Vout=0.8V@Vin=7.0			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	0.816	V	
Min Limit	0.784	V	
N/cm ²	0	1E+12	5E+12
LL	0.784	0.784	0.784
Min	0.801	0.800	0.797
Average	0.801	0.800	0.797
Max	0.801	0.800	0.798
UL	0.816	0.816	0.816

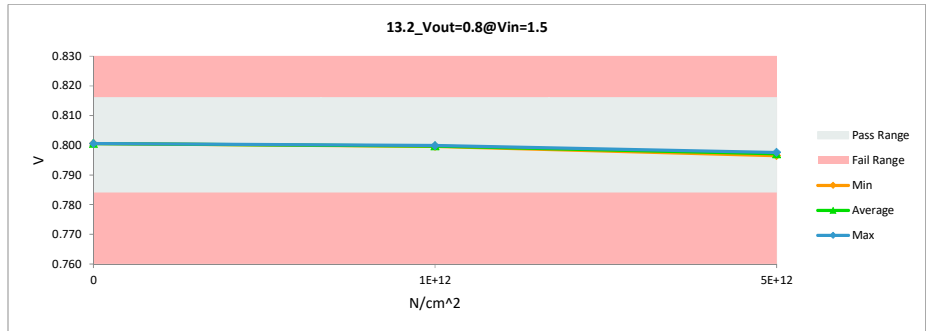


NDD Report
TPS7H1101A-SP

13.2_Vout=0.8@Vin=1.5				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	V		V	
Max Limit	0.816		0.816	
Min Limit	0.784		0.784	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.801	0.800	-0.001
1E+12	203	0.800	0.800	-0.001
1E+12	204	0.800	0.800	-0.001
5E+12	205	0.800	0.797	-0.003
5E+12	206	0.799	0.797	-0.003
5E+12	207	0.801	0.798	-0.003
0	211	0.801	0.801	0.000
Max		0.801	0.801	0.000
Average		0.800	0.799	-0.002
Min		0.799	0.797	-0.003
Std Dev		0.000	0.002	0.001

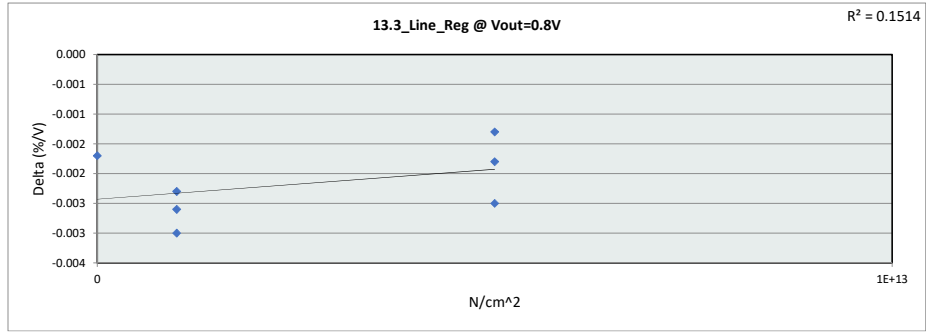


13.2_Vout=0.8@Vin=1.5			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	V		
Min Limit	V		
N/cm^2	0	1E+12	5E+12
LL	0.784	0.784	0.784
Min	0.801	0.800	0.797
Average	0.801	0.800	0.797
Max	0.801	0.800	0.798
UL	0.816	0.816	0.816

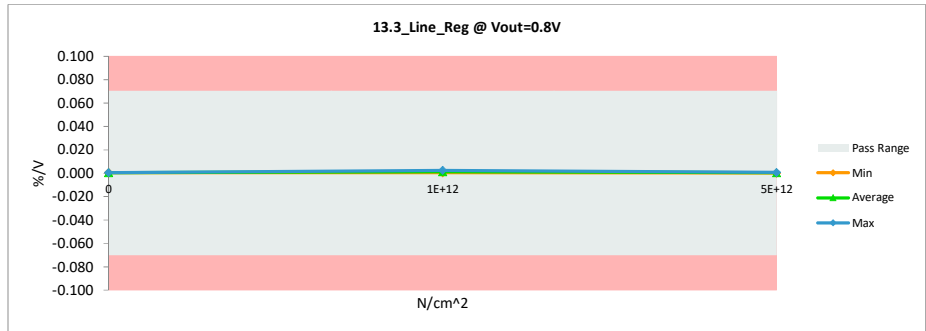


NDD Report
TPS7H1101A-SP

13.3_Line_Reg @ Vout=0.8V				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	%/V	%/V		
Max Limit	0.07	0.07		
Min Limit	-0.07	-0.07		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.005	0.002	-0.003
1E+12	203	0.003	0.000	-0.002
1E+12	204	0.004	0.001	-0.003
5E+12	205	0.002	0.001	-0.002
5E+12	206	0.002	0.001	-0.001
5E+12	207	0.003	0.000	-0.003
0	211	0.002	0.001	-0.002
	Max	0.005	0.002	-0.001
	Average	0.003	0.001	-0.002
	Min	0.002	0.000	-0.003
	Std Dev	0.001	0.001	0.001

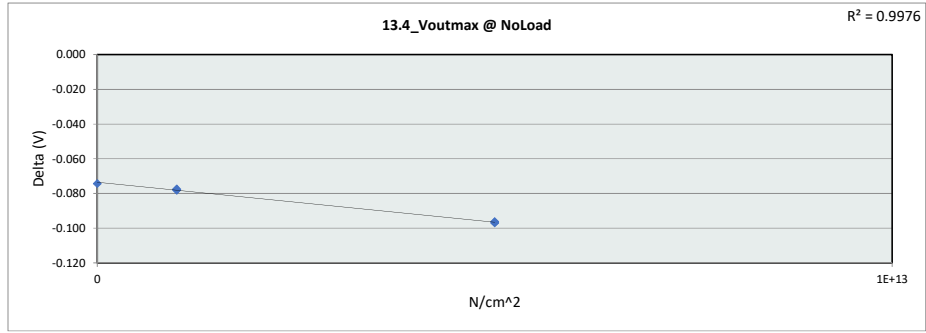


13.3_Line_Reg @ Vout=0.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	0.07	%/V	
Min Limit	-0.07	%/V	
N/cm^2	0	1E+12	5E+12
LL	-0.070	-0.070	-0.070
Min	0.001	0.000	0.000
Average	0.001	0.001	0.000
Max	0.001	0.003	0.001
UL	0.070	0.070	0.070

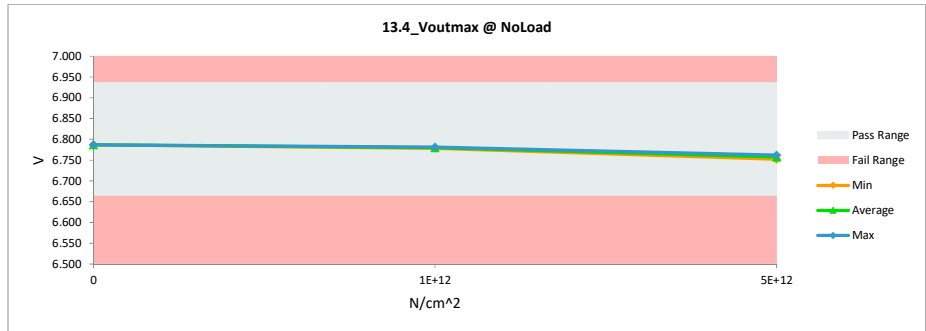


NDD Report
TPS7H1101A-SP

13.4_Voutmax @ NoLoad				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	V		V	
Max Limit	6.936		6.936	
Min Limit	6.664		6.664	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.859	6.781	-0.078
1E+12	203	6.858	6.780	-0.078
1E+12	204	6.856	6.779	-0.077
5E+12	205	6.855	6.758	-0.097
5E+12	206	6.849	6.752	-0.097
5E+12	207	6.858	6.762	-0.096
0	211	6.861	6.787	-0.074
Max		6.861	6.787	-0.074
Average		6.857	6.771	-0.085
Min		6.849	6.752	-0.097
Std Dev		0.004	0.014	0.011

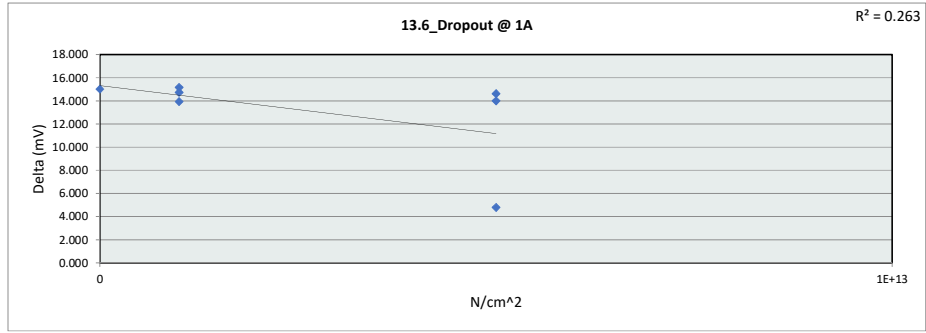


13.4_Voutmax @ NoLoad			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	6.936 V		
Min Limit	6.664 V		
N/cm^2	0	1E+12	5E+12
LL	6.664	6.664	6.664
Min	6.787	6.779	6.752
Average	6.787	6.780	6.757
Max	6.787	6.781	6.762
UL	6.936	6.936	6.936

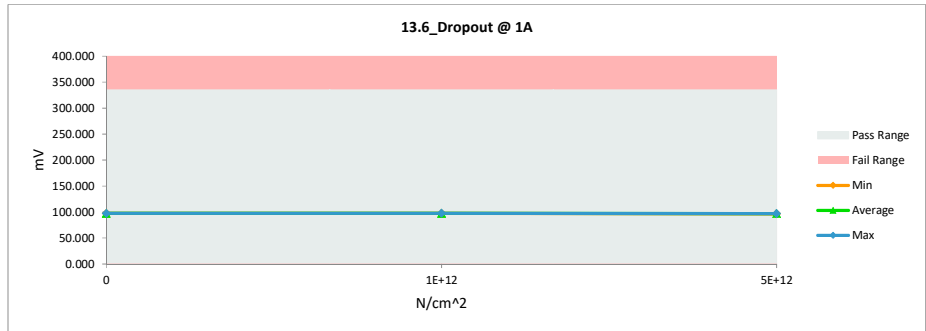


NDD Report
TPS7H1101A-SP

13.6_Dropout @ 1A				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mV		mV	
Max Limit	335		335	
Min Limit	1		1	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	82.922	97.669	14.747
1E+12	203	82.290	97.469	15.179
1E+12	204	83.329	97.282	13.953
5E+12	205	83.087	97.092	14.005
5E+12	206	91.827	96.620	4.793
5E+12	207	82.448	97.078	14.630
0	211	82.493	97.517	15.024
Max		91.827	97.669	15.179
Average		84.057	97.247	13.190
Min		82.290	96.620	4.793
Std Dev		3.447	0.353	3.732

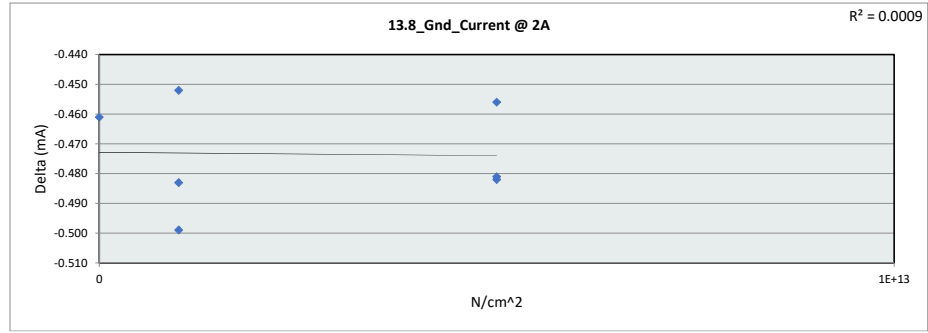


13.6_Dropout @ 1A			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	335 mV		
Min Limit	1 mV		
N/cm^2	0	1E+12	5E+12
LL	1.000	1.000	1.000
Min	97.517	97.282	96.620
Average	97.517	97.473	96.930
Max	97.517	97.669	97.092
UL	335.000	335.000	335.000

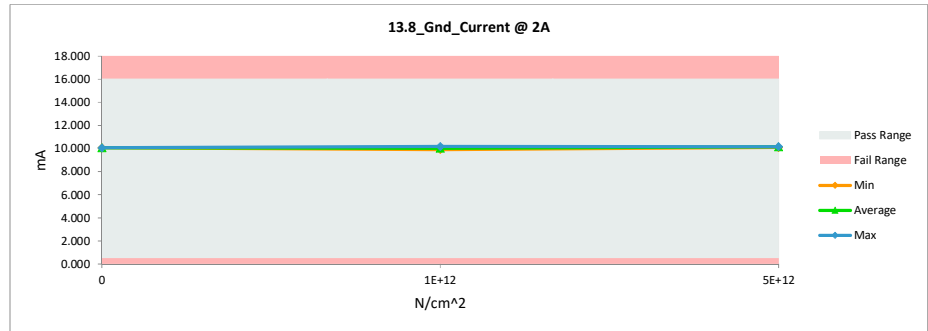


NDD Report
TPS7H1101A-SP

13.8_Gnd_Current @ 2A				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	mA	mA		
Max Limit	16	16		
Min Limit	0.5	0.5		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	10.408	9.909	-0.499
1E+12	203	10.658	10.175	-0.483
1E+12	204	10.442	9.990	-0.452
5E+12	205	10.650	10.168	-0.482
5E+12	206	10.585	10.104	-0.481
5E+12	207	10.625	10.169	-0.456
0	211	10.521	10.060	-0.461
	Max	10.658	10.175	-0.452
	Average	10.556	10.082	-0.473
	Min	10.408	9.909	-0.499
	Std Dev	0.101	0.102	0.017

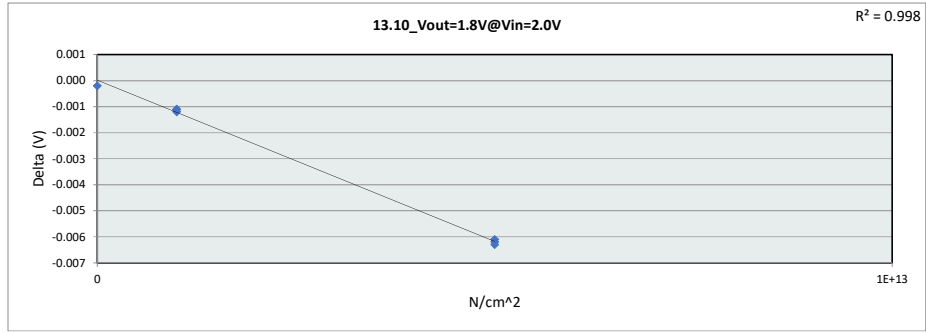


13.8_Gnd_Current @ 2A			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	16	mA	
Min Limit	0.5	mA	
N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	10.060	9.909	10.104
Average	10.060	10.025	10.147
Max	10.060	10.175	10.169
UL	16.000	16.000	16.000

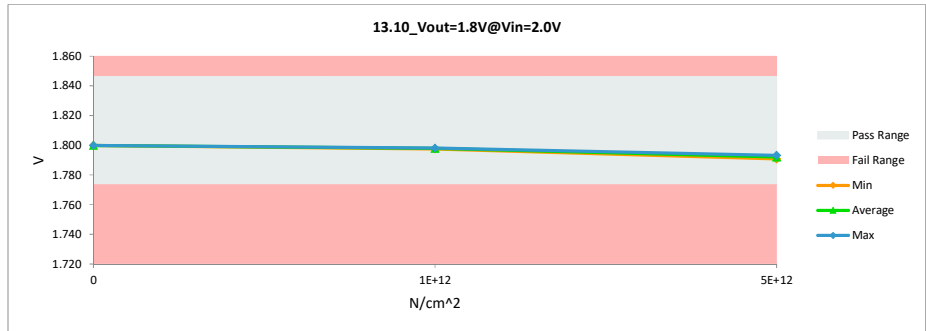


NDD Report
TPS7H1101A-SP

13.10_Vout=1.8V@Vin=2.0V				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	1.8462	1.8462		
Min Limit	1.7738	1.7738		
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	1.799	1.798	-0.001
1E+12	203	1.799	1.798	-0.001
1E+12	204	1.799	1.798	-0.001
5E+12	205	1.798	1.792	-0.006
5E+12	206	1.797	1.791	-0.006
5E+12	207	1.799	1.793	-0.006
0	211	1.800	1.800	0.000
	Max	1.800	1.800	0.000
	Average	1.799	1.796	-0.003
	Min	1.797	1.791	-0.006
	Std Dev	0.001	0.004	0.003



13.10_Vout=1.8V@Vin=2.0V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1.8462	V	
Min Limit	1.7738	V	
N/cm ²	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.800	1.798	1.791
Average	1.800	1.798	1.792
Max	1.800	1.798	1.793
UL	1.846	1.846	1.846

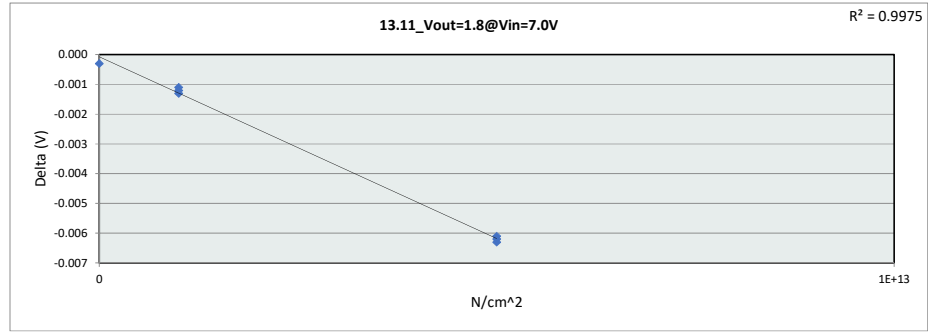


NDD Report
TPS7H1101A-SP

13.11_Vout=1.8@Vin=7.0V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8462	1.8462
Min Limit	1.7738	1.7738

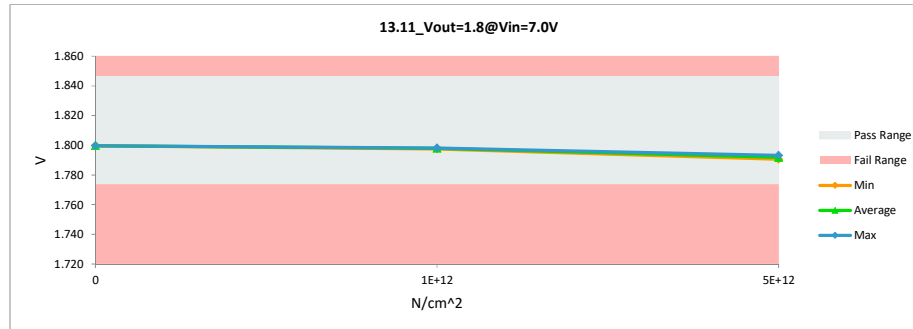
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.799	1.798	-0.001
1E+12	203	1.799	1.798	-0.001
1E+12	204	1.799	1.798	-0.001
5E+12	205	1.798	1.792	-0.006
5E+12	206	1.797	1.791	-0.006
5E+12	207	1.799	1.793	-0.006
0	211	1.800	1.800	0.000
	Max	1.800	1.800	0.000
	Average	1.799	1.796	-0.003
	Min	1.797	1.791	-0.006
	Std Dev	0.001	0.004	0.003



13.11_Vout=1.8@Vin=7.0V

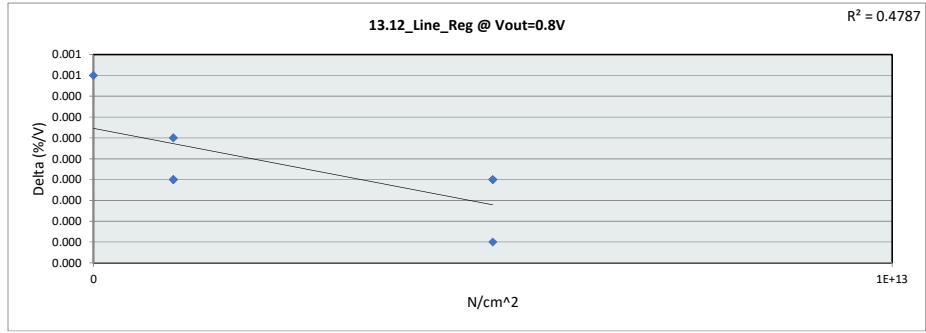
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.8462 V
Min Limit	1.7738 V

N/cm^2	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.800	1.798	1.791
Average	1.800	1.798	1.792
Max	1.800	1.798	1.793
UL	1.846	1.846	1.846

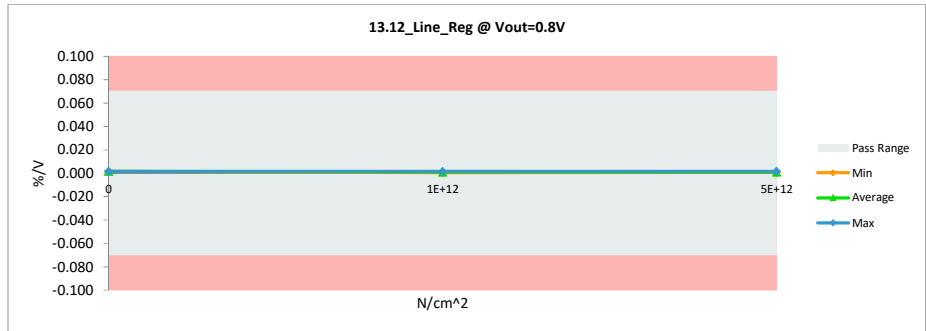


NDD Report
TPS7H1101A-SP

13.12_Line_Reg @ Vout=0.8V				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	%/V	%/V		
Max Limit	0.07	0.07		
Min Limit	-0.07	-0.07		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.002	0.002	0.000
1E+12	203	0.001	0.001	0.000
1E+12	204	0.000	0.000	0.000
5E+12	205	0.001	0.001	0.000
5E+12	206	0.002	0.002	0.000
5E+12	207	0.001	0.001	0.000
0	211	0.001	0.002	0.000
	Max	0.002	0.002	0.000
	Average	0.001	0.001	0.000
	Min	0.000	0.000	0.000
	Std Dev	0.000	0.000	0.000

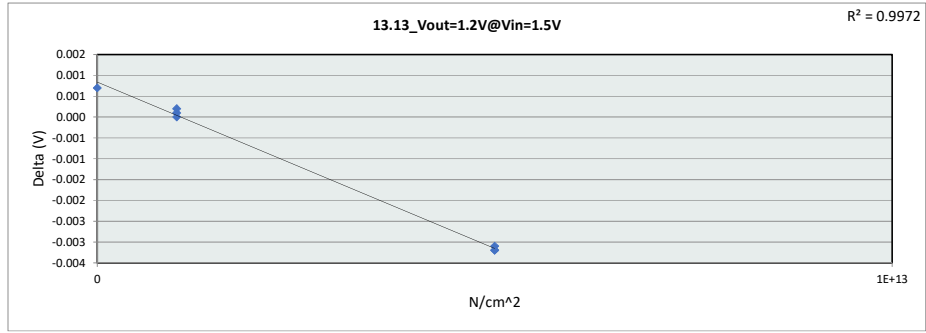


13.12_Line_Reg @ Vout=0.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	0.07	%/V	
Min Limit	-0.07	%/V	
N/cm^2	0	1E+12	5E+12
LL	-0.070	-0.070	-0.070
Min	0.002	0.000	0.001
Average	0.002	0.001	0.001
Max	0.002	0.002	0.002
UL	0.070	0.070	0.070

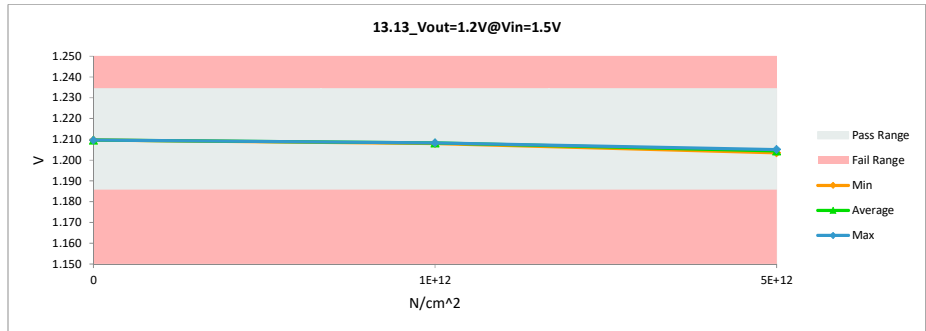


NDD Report
TPS7H1101A-SP

13.13_Vout=1.2V@Vin=1.5V				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	1.2342	1.2342		
Min Limit	1.1858	1.1858		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.208	1.208	0.000
1E+12	203	1.208	1.208	0.000
1E+12	204	1.208	1.208	0.000
5E+12	205	1.208	1.204	-0.003
5E+12	206	1.207	1.204	-0.003
5E+12	207	1.208	1.205	-0.003
0	211	1.209	1.210	0.001
	Max	1.209	1.210	0.001
	Average	1.208	1.207	-0.001
	Min	1.207	1.204	-0.003
	Std Dev	0.001	0.002	0.002

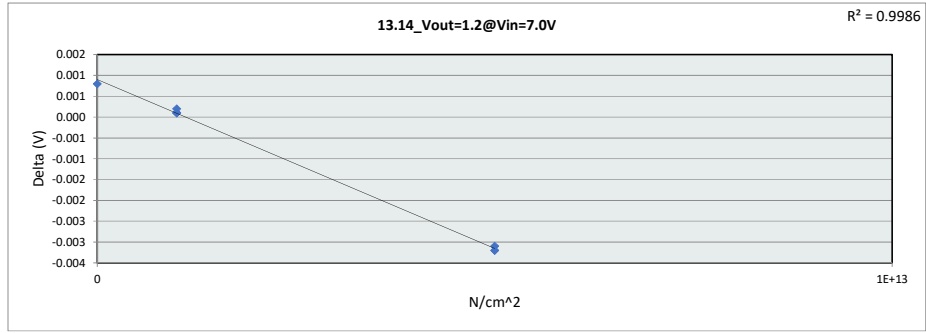


13.13_Vout=1.2V@Vin=1.5V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1.2342	V	
Min Limit	1.1858	V	
N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.210	1.208	1.204
Average	1.210	1.208	1.204
Max	1.210	1.208	1.205
UL	1.234	1.234	1.234

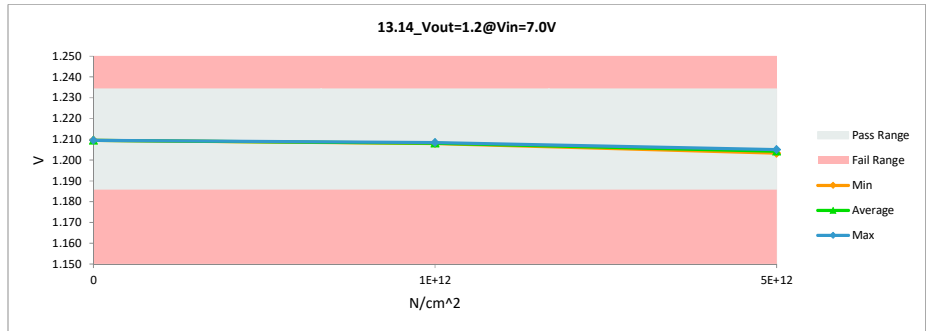


NDD Report
TPS7H1101A-SP

13.14_Vout=1.2@Vin=7.0V				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	1.2342	1.2342		
Min Limit	1.1858	1.1858		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.208	1.208	0.000
1E+12	203	1.208	1.208	0.000
1E+12	204	1.208	1.208	0.000
5E+12	205	1.208	1.204	-0.003
5E+12	206	1.207	1.203	-0.003
5E+12	207	1.208	1.205	-0.003
0	211	1.209	1.209	0.001
	Max	1.209	1.209	0.001
	Average	1.208	1.207	-0.001
	Min	1.207	1.203	-0.003
	Std Dev	0.001	0.002	0.002

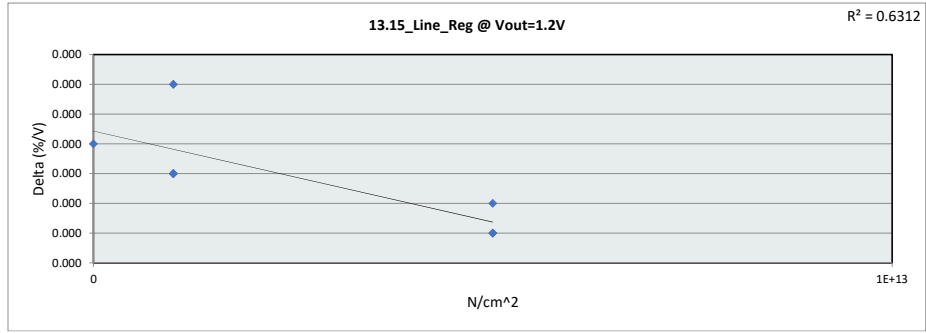


13.14_Vout=1.2@Vin=7.0V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1.2342	V	
Min Limit	1.1858	V	
N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.210	1.208	1.203
Average	1.210	1.208	1.204
Max	1.210	1.208	1.205
UL	1.234	1.234	1.234

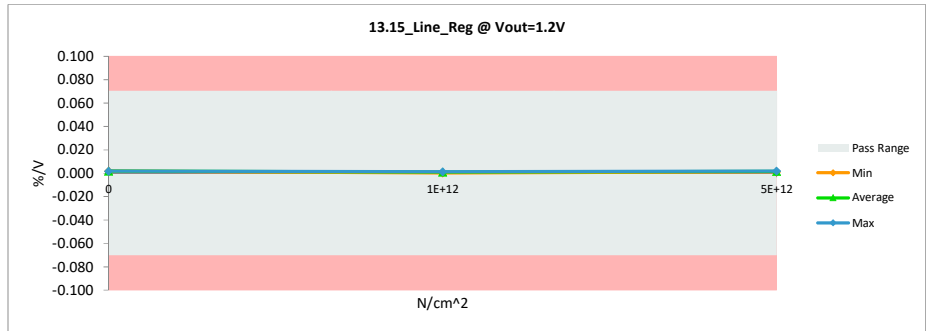


NDD Report
TPS7H1101A-SP

13.15_Line_Reg @ Vout=1.2V				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	%/V	%/V		
Max Limit	0.07	0.07		
Min Limit	-0.07	-0.07		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.001	0.001	0.000
1E+12	203	0.001	0.001	0.000
1E+12	204	0.000	0.000	0.000
5E+12	205	0.002	0.002	0.000
5E+12	206	0.002	0.002	0.000
5E+12	207	0.002	0.001	0.000
0	211	0.002	0.002	0.000
	Max	0.002	0.002	0.000
	Average	0.001	0.001	0.000
	Min	0.000	0.000	0.000
	Std Dev	0.001	0.001	0.000

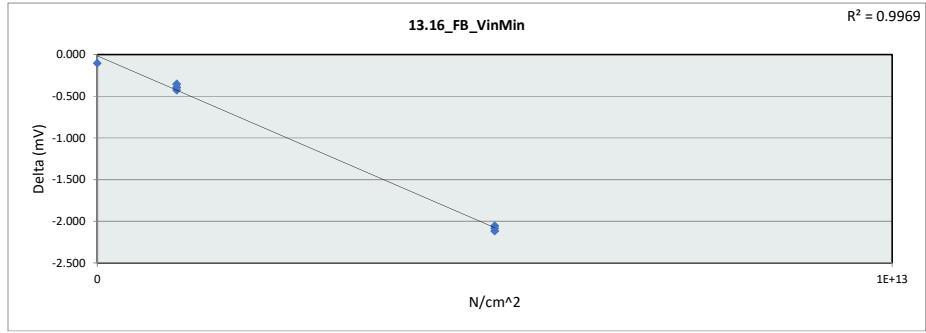


13.15_Line_Reg @ Vout=1.2V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	0.07	%/V	
Min Limit	-0.07	%/V	
N/cm^2	0	1E+12	5E+12
LL	-0.070	-0.070	-0.070
Min	0.002	0.000	0.001
Average	0.002	0.001	0.002
Max	0.002	0.001	0.002
UL	0.070	0.070	0.070

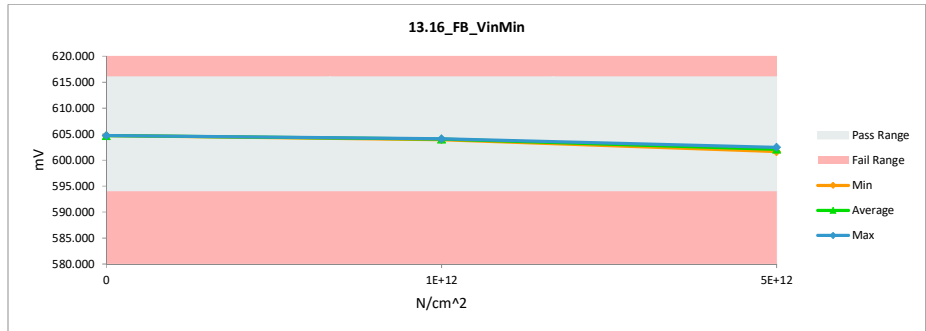


NDD Report
TPS7H1101A-SP

13.16_FB_VinMin				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mV		mV	
Max Limit	616		616	
Min Limit	594		594	
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.525	604.099	-0.426
1E+12	203	604.487	604.093	-0.394
1E+12	204	604.290	603.936	-0.354
5E+12	205	604.263	602.144	-2.119
5E+12	206	603.710	601.625	-2.085
5E+12	207	604.512	602.457	-2.055
0	211	604.836	604.733	-0.103
	Max	604.836	604.733	-0.103
	Average	604.375	603.298	-1.077
	Min	603.710	601.625	-2.119
	Std Dev	0.348	1.196	0.950



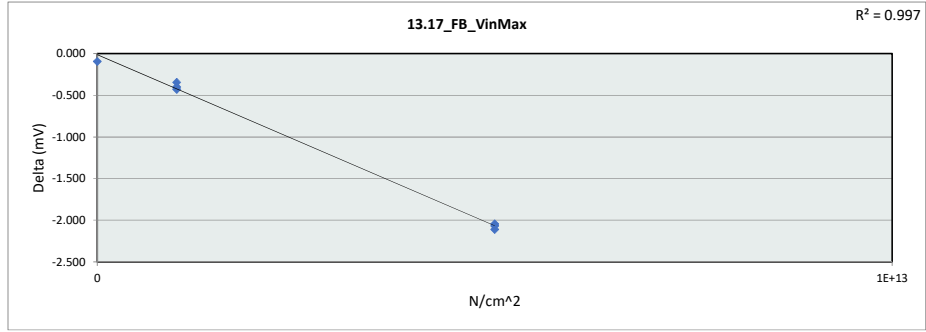
13.16_FB_VinMin			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	616 mV		
Min Limit	594 mV		
N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.733	603.936	601.625
Average	604.733	604.043	602.075
Max	604.733	604.099	602.457
UL	616.000	616.000	616.000



NDD Report
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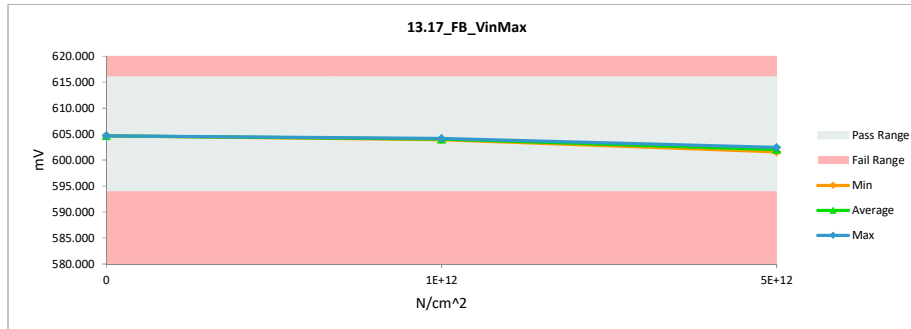
13.17_FB_VinMax		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	616	616
Min Limit	594	594

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	604.572	604.145	-0.427
1E+12	203	604.436	604.036	-0.400
1E+12	204	604.271	603.928	-0.343
5E+12	205	604.202	602.092	-2.110
5E+12	206	603.635	601.567	-2.068
5E+12	207	604.463	602.421	-2.042
0	211	604.768	604.675	-0.093
	Max	604.768	604.675	-0.093
	Average	604.335	603.266	-1.069
	Min	603.635	601.567	-2.110
	Std Dev	0.361	1.209	0.946



13.17_FB_VinMax		
Test Site	Dallas	
Tester	ETS364	
Test Number	EF5069	
Max Limit	616	mV
Min Limit	594	mV

N/cm^2	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.675	603.928	601.567
Average	604.675	604.036	602.027
Max	604.675	604.145	602.421
UL	616.000	616.000	616.000

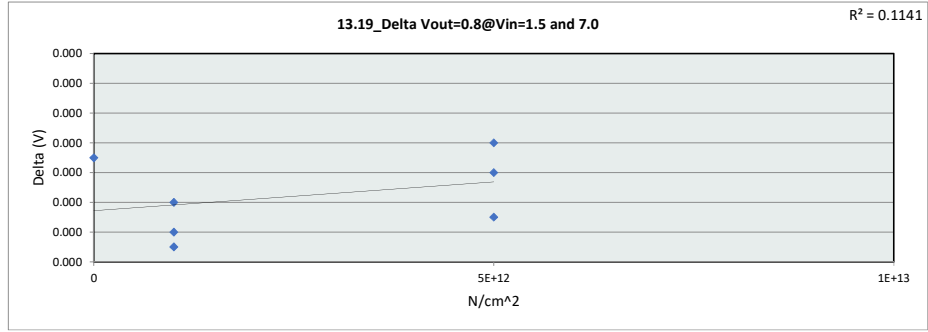


NDD Report
TPS7H1101A-SP

13.19_Delta Vout=0.8@Vin=1.5 and 7.0

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.0006	0.0006
Min Limit	-0.000001	-0.000001

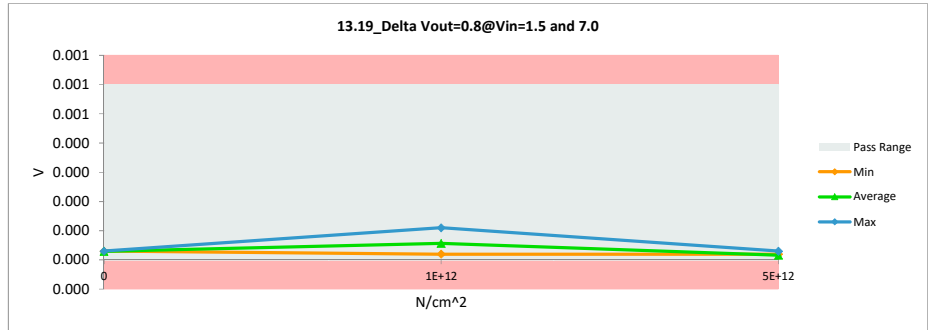
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.000	0.000	0.000
1E+12	203	0.000	0.000	0.000
1E+12	204	0.000	0.000	0.000
5E+12	205	0.000	0.000	0.000
5E+12	206	0.000	0.000	0.000
5E+12	207	0.000	0.000	0.000
0	211	0.000	0.000	0.000
	Max	0.000	0.000	0.000
	Average	0.000	0.000	0.000
	Min	0.000	0.000	0.000
	Std Dev	0.000	0.000	0.000



13.19_Delta Vout=0.8@Vin=1.5 and 7.0

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	0.0006 V
Min Limit	-0.000001 V

N/cm^2	0	1E+12	5E+12
LL	0.000	0.000	0.000
Min	0.000	0.000	0.000
Average	0.000	0.000	0.000
Max	0.000	0.000	0.000
UL	0.001	0.001	0.001

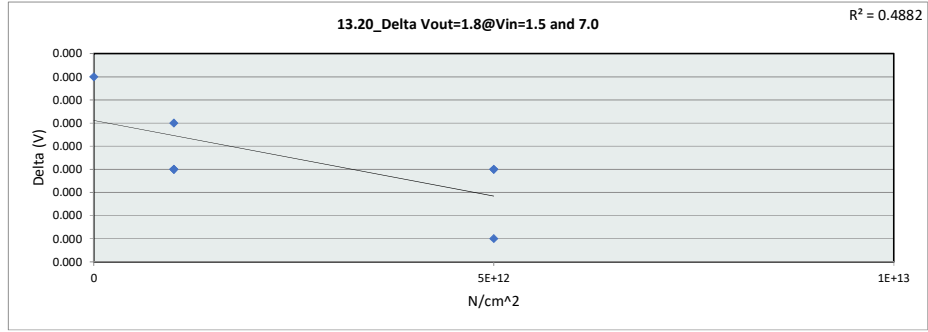


NDD Report
TPS7H1101A-SP

13.20_Delta Vout=1.8@Vin=1.5 and 7.0

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.0006	0.0006
Min Limit	-0.0006	-0.0006

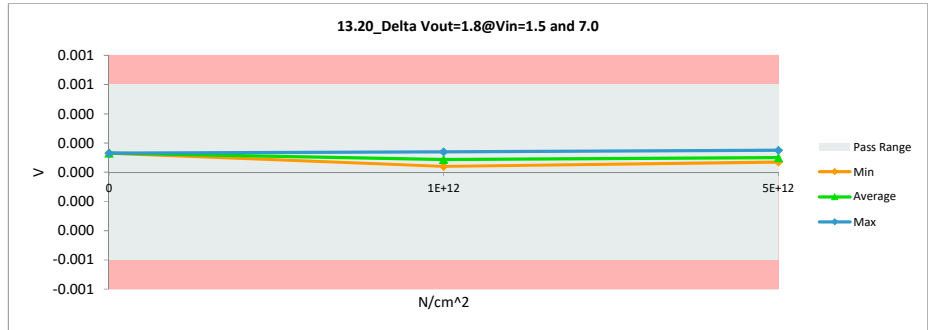
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.000	0.000	0.000
1E+12	203	0.000	0.000	0.000
1E+12	204	0.000	0.000	0.000
5E+12	205	0.000	0.000	0.000
5E+12	206	0.000	0.000	0.000
5E+12	207	0.000	0.000	0.000
0	211	0.000	0.000	0.000
	Max	0.000	0.000	0.000
	Average	0.000	0.000	0.000
	Min	0.000	0.000	0.000
	Std Dev	0.000	0.000	0.000



13.20_Delta Vout=1.8@Vin=1.5 and 7.0

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	0.0006 V
Min Limit	-0.0006 V

N/cm^2	0	1E+12	5E+12
LL	-0.001	-0.001	-0.001
Min	0.000	0.000	0.000
Average	0.000	0.000	0.000
Max	0.000	0.000	0.000
UL	0.001	0.001	0.001

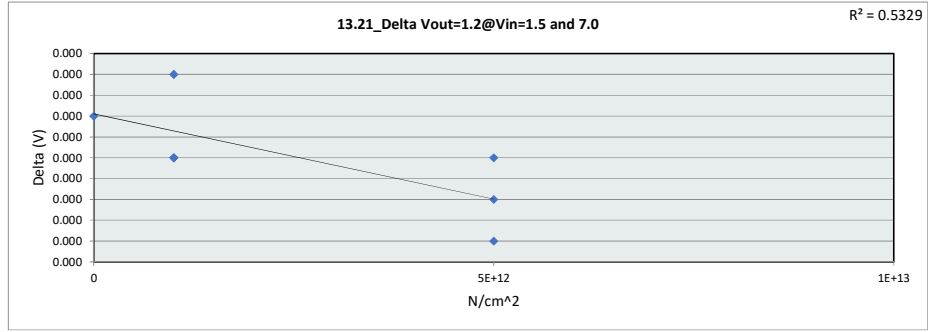


NDD Report
TPS7H1101A-SP

13.21_Delta Vout=1.2@Vin=1.5 and 7.0

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.0006	0.0006
Min Limit	-0.0006	-0.0006

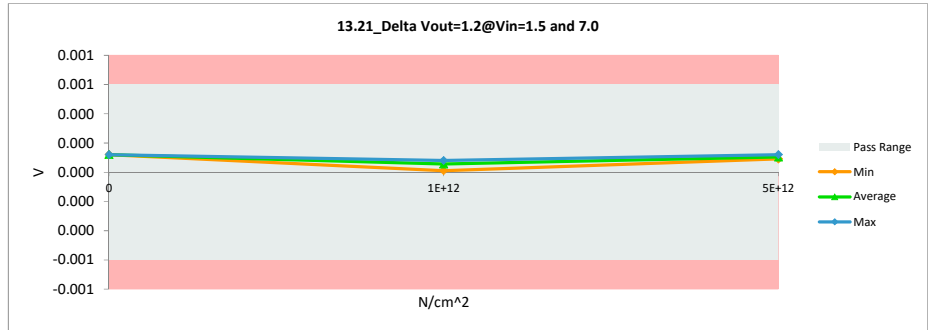
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	0.000	0.000	0.000
1E+12	203	0.000	0.000	0.000
1E+12	204	0.000	0.000	0.000
5E+12	205	0.000	0.000	0.000
5E+12	206	0.000	0.000	0.000
5E+12	207	0.000	0.000	0.000
0	211	0.000	0.000	0.000
	Max	0.000	0.000	0.000
	Average	0.000	0.000	0.000
	Min	0.000	0.000	0.000
	Std Dev	0.000	0.000	0.000



13.21_Delta Vout=1.2@Vin=1.5 and 7.0

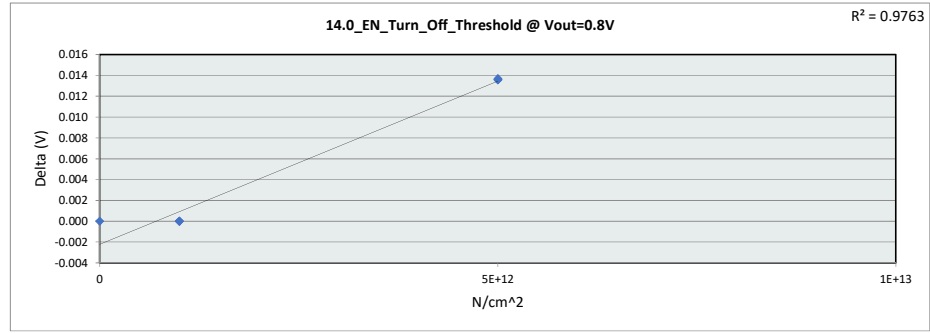
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	0.0006 V
Min Limit	-0.0006 V

N/cm ²	0	1E+12	5E+12
LL	-0.001	-0.001	-0.001
Min	0.000	0.000	0.000
Average	0.000	0.000	0.000
Max	0.000	0.000	0.000
UL	0.001	0.001	0.001

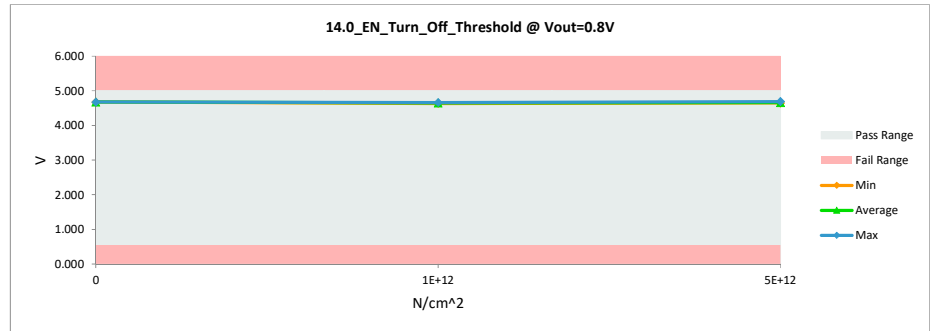


NDD Report
TPS7H1101A-SP

14.0_EN_Turn_Off_Threshold @				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	5	5		
Min Limit	0.55	0.55		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	4.633	4.633	0.000
1E+12	203	4.661	4.661	0.000
1E+12	204	4.647	4.647	0.000
5E+12	205	4.674	4.688	0.014
5E+12	206	4.633	4.647	0.014
5E+12	207	4.633	4.647	0.014
0	211	4.674	4.674	0.000
	Max	4.674	4.688	0.014
	Average	4.651	4.657	0.006
	Min	4.633	4.633	0.000
	Std Dev	0.019	0.019	0.007

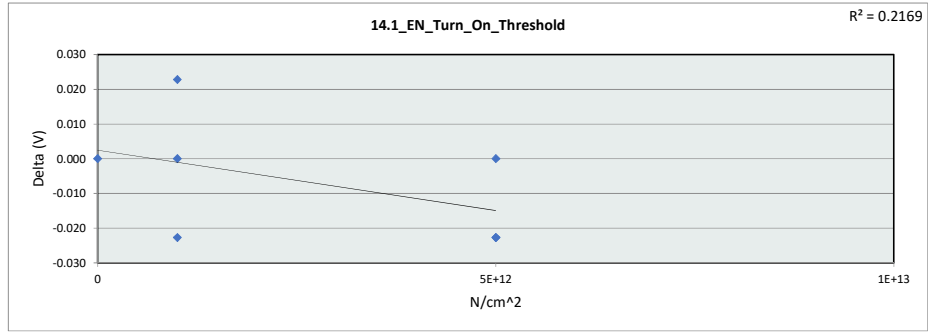


14.0_EN_Turn_Off_Threshold @ Vout=0.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	5	V	
Min Limit	0.55	V	
N/cm^2	0	1E+12	5E+12
LL	0.550	0.550	0.550
Min	4.674	4.633	4.647
Average	4.674	4.647	4.661
Max	4.674	4.661	4.688
UL	5.000	5.000	5.000

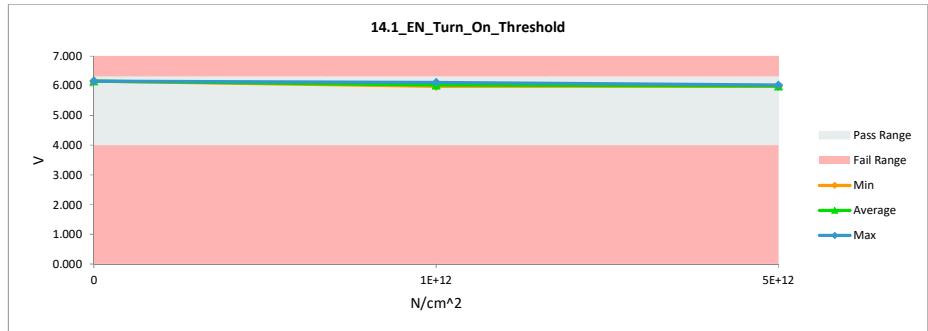


NDD Report
TPS7H1101A-SP

14.1_EN_Turn_On_Threshold				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	6.3	6.3		
Min Limit	4	4		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.118	6.118	0.000
1E+12	203	5.958	5.981	0.023
1E+12	204	6.004	5.981	-0.023
5E+12	205	5.981	5.981	0.000
5E+12	206	6.004	5.981	-0.023
5E+12	207	6.049	6.027	-0.023
0	211	6.163	6.163	0.000
	Max	6.163	6.163	0.023
	Average	6.040	6.033	-0.006
	Min	5.958	5.981	-0.023
	Std Dev	0.075	0.076	0.017

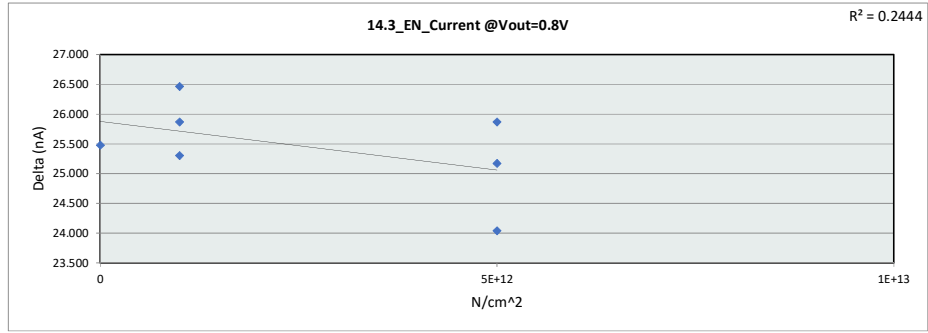


14.1_EN_Turn_On_Threshold			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	6.3	V	
Min Limit	4	V	
N/cm^2	0	1E+12	5E+12
LL	4.000	4.000	4.000
Min	6.163	5.981	5.981
Average	6.163	6.027	5.996
Max	6.163	6.118	6.027
UL	6.300	6.300	6.300

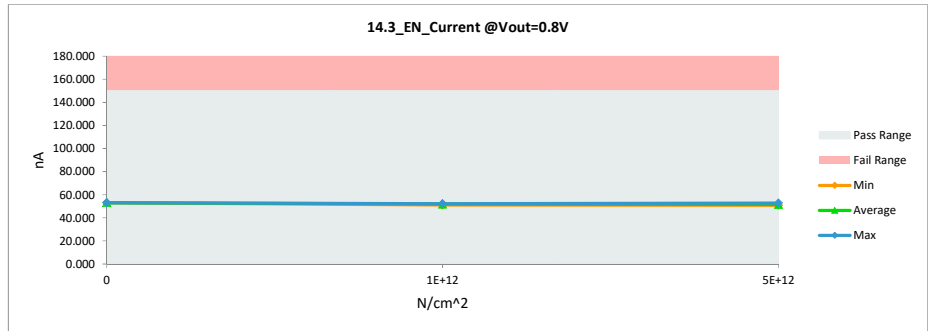


NDD Report
TPS7H1101A-SP

14.3_EN_Current @Vout=0.8V				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	nA		nA	
Max Limit	150		150	
Min Limit	0.001		0.001	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	25.088	50.957	25.869
1E+12	203	27.034	52.340	25.306
1E+12	204	25.630	52.096	26.466
5E+12	205	25.347	51.216	25.869
5E+12	206	26.854	50.894	24.040
5E+12	207	27.615	52.788	25.173
0	211	27.701	53.181	25.480
	Max	27.701	53.181	26.466
	Average	26.467	51.925	25.458
	Min	25.088	50.894	24.040
	Std Dev	1.093	0.915	0.760

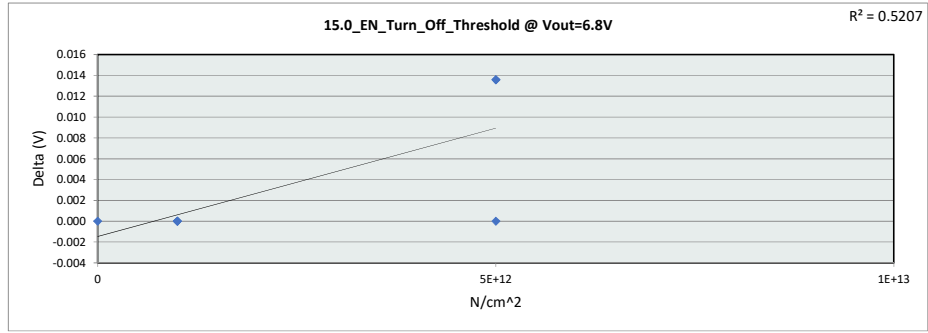


14.3_EN_Current @Vout=0.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	150 nA		
Min Limit	0.001 nA		
N/cm^2	0	1E+12	5E+12
LL	0.001	0.001	0.001
Min	53.181	50.957	50.894
Average	53.181	51.798	51.633
Max	53.181	52.340	52.788
UL	150.000	150.000	150.000

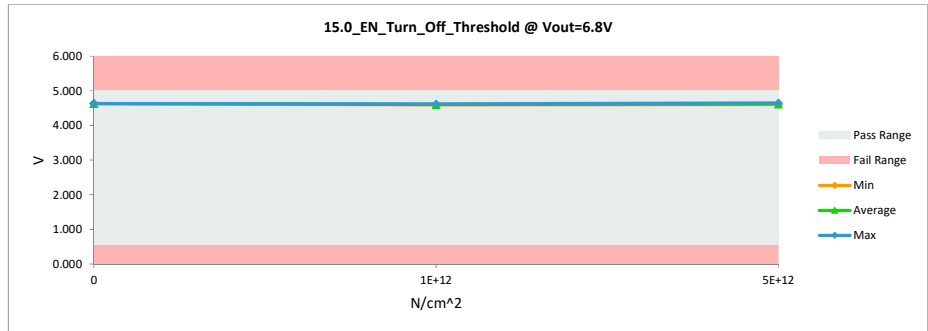


NDD Report
TPS7H1101A-SP

15.0_EN_Turn_Off_Threshold @				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	5	5		
Min Limit	0.55	0.55		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	4.592	4.592	0.000
1E+12	203	4.620	4.620	0.000
1E+12	204	4.606	4.606	0.000
5E+12	205	4.647	4.647	0.000
5E+12	206	4.592	4.606	0.014
5E+12	207	4.592	4.606	0.014
0	211	4.633	4.633	0.000
	Max	4.647	4.647	0.014
	Average	4.612	4.616	0.004
	Min	4.592	4.592	0.000
	Std Dev	0.022	0.019	0.007

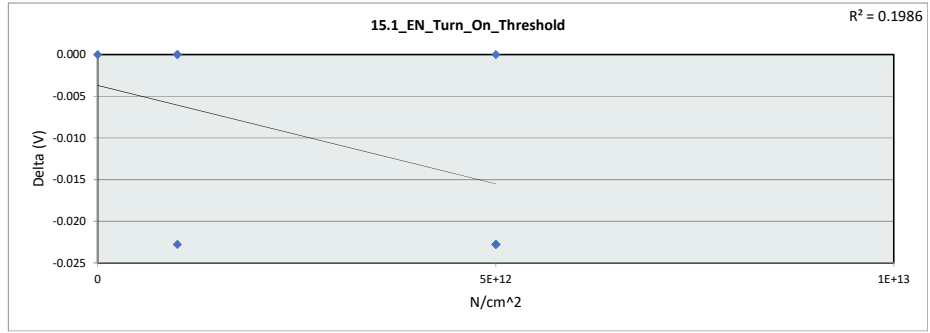


15.0_EN_Turn_Off_Threshold @ Vout=6.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	5	V	
Min Limit	0.55	V	
N/cm^2	0	1E+12	5E+12
LL	0.550	0.550	0.550
Min	4.633	4.592	4.606
Average	4.633	4.606	4.620
Max	4.633	4.620	4.647
UL	5.000	5.000	5.000

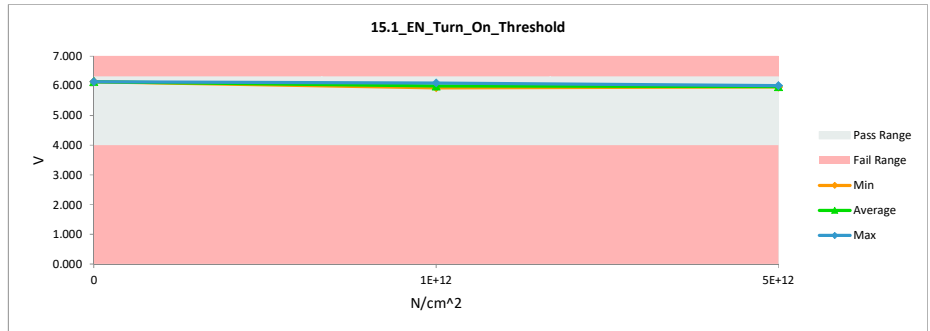


NDD Report
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15.1_EN_Turn_On_Threshold				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	6.3	6.3		
Min Limit	4	4		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	6.095	6.095	0.000
1E+12	203	5.936	5.936	0.000
1E+12	204	5.981	5.958	-0.023
5E+12	205	5.958	5.958	0.000
5E+12	206	5.981	5.958	-0.023
5E+12	207	6.027	6.004	-0.023
0	211	6.141	6.141	0.000
	Max	6.141	6.141	0.000
	Average	6.017	6.007	-0.010
	Min	5.936	5.936	-0.023
	Std Dev	0.075	0.079	0.012

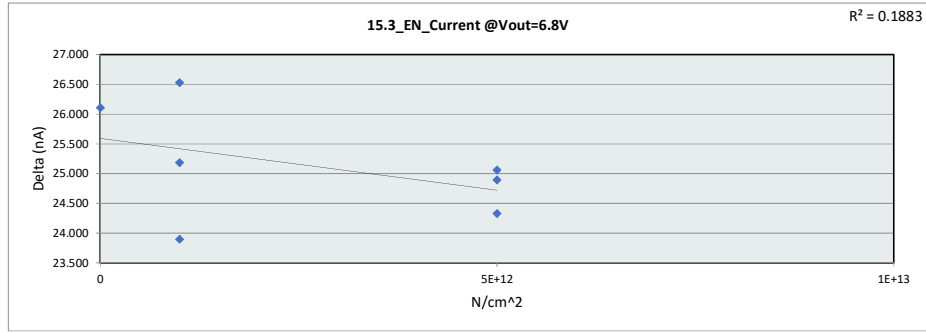


15.1_EN_Turn_On_Threshold			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	6.3	V	
Min Limit	4	V	
N/cm^2	0	1E+12	5E+12
LL	4.000	4.000	4.000
Min	6.141	5.936	5.959
Average	6.141	5.996	5.974
Max	6.141	6.095	6.004
UL	6.300	6.300	6.300

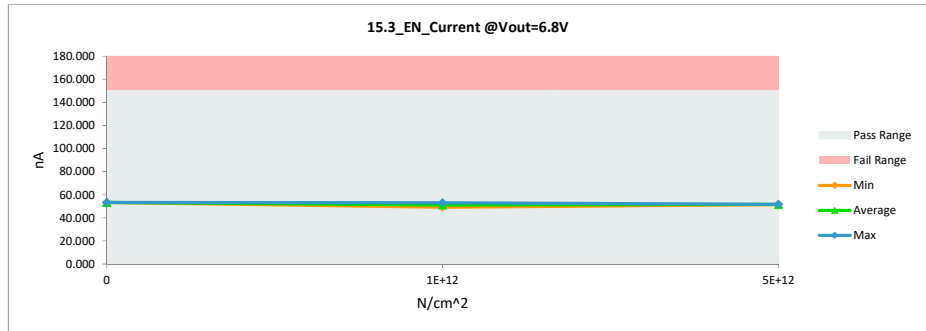


NDD Report
TPS7H1101A-SP

15.3_EN_Current @Vout=6.8V				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	nA		nA	
Max Limit	150		150	
Min Limit	0.001		0.001	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	25.261	49.158	23.897
1E+12	203	26.689	53.220	26.531
1E+12	204	25.638	50.823	25.185
5E+12	205	26.509	51.405	24.896
5E+12	206	27.231	51.562	24.331
5E+12	207	26.720	51.782	25.062
0	211	27.238	53.346	26.108
	Max	27.238	53.346	26.531
	Average	26.469	51.614	25.144
	Min	25.261	49.158	23.897
	Std Dev	0.757	1.432	0.925

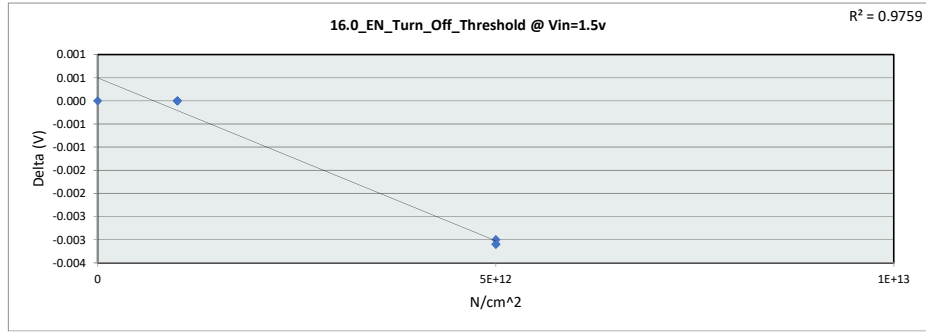


15.3_EN_Current @Vout=6.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	150 nA		
Min Limit	0.001 nA		
N/cm^2	0	1E+12	5E+12
LL	0.001	0.001	0.001
Min	53.346	49.158	51.405
Average	53.346	51.067	51.583
Max	53.346	53.220	51.782
UL	150.000	150.000	150.000

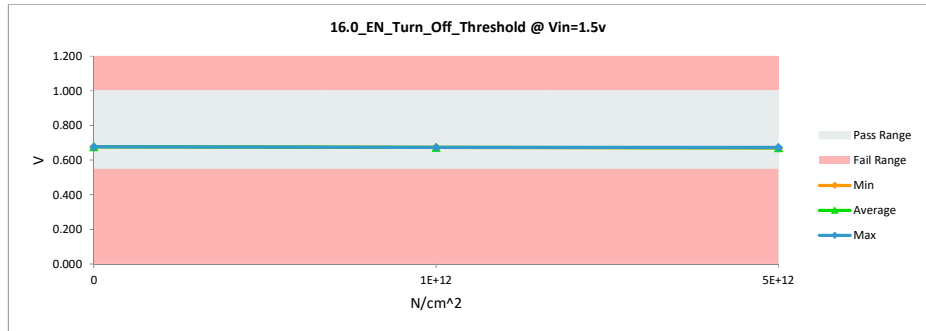


NDD Report
TPS7H1101A-SP

16.0_EN_Turn_Off_Threshold @				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	1	1		
Min Limit	0.55	0.55		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.673	0.673	0.000
1E+12	203	0.673	0.673	0.000
1E+12	204	0.673	0.673	0.000
5E+12	205	0.676	0.673	-0.003
5E+12	206	0.673	0.670	-0.003
5E+12	207	0.676	0.673	-0.003
0	211	0.676	0.676	0.000
	Max	0.676	0.676	0.000
	Average	0.675	0.673	-0.001
	Min	0.673	0.670	-0.003
	Std Dev	0.002	0.002	0.002

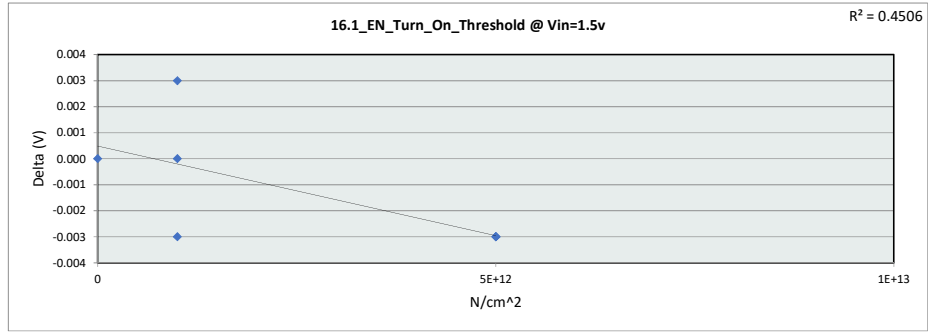


16.0_EN_Turn_Off_Threshold @ Vin=1.5v			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1	V	
Min Limit	0.55	V	
N/cm^2	0	1E+12	5E+12
LL	0.550	0.550	0.550
Min	0.676	0.673	0.670
Average	0.676	0.673	0.672
Max	0.676	0.673	0.673
UL	1.000	1.000	1.000

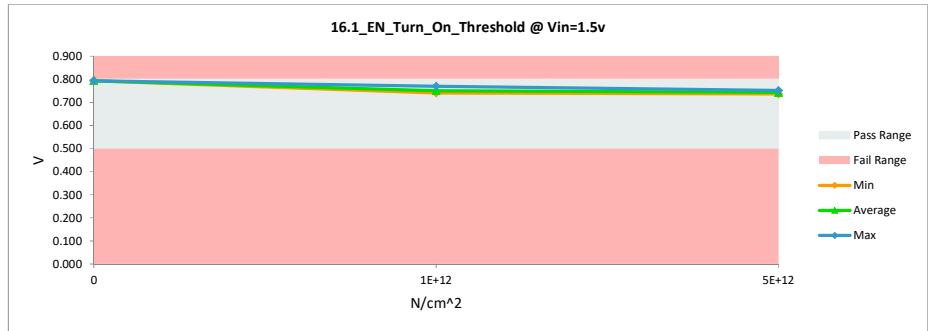


NDD Report
TPS7H1101A-SP

16.1_EN_Turn_On_Threshold @ Vin=1.5v				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	V	V		
Max Limit	0.8	0.8		
Min Limit	0.5	0.5		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.770	0.770	0.000
1E+12	203	0.737	0.739	0.003
1E+12	204	0.746	0.743	-0.003
5E+12	205	0.746	0.743	-0.003
5E+12	206	0.739	0.737	-0.003
5E+12	207	0.754	0.752	-0.003
0	211	0.794	0.794	0.000
	Max	0.794	0.794	0.003
	Average	0.755	0.754	-0.001
	Min	0.737	0.737	-0.003
	Std Dev	0.020	0.021	0.002

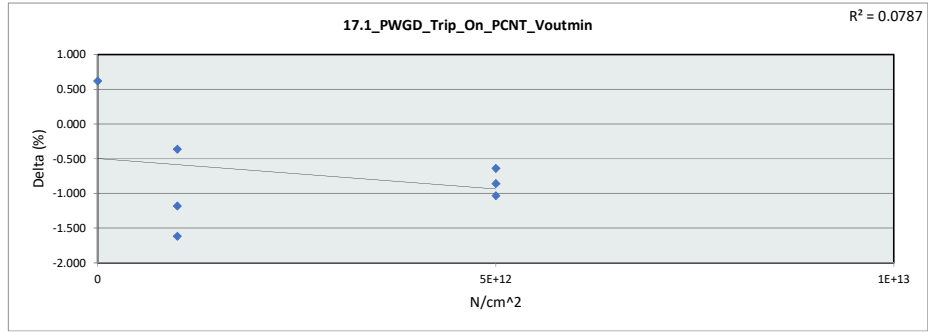


16.1_EN_Turn_On_Threshold @ Vin=1.5v			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	0.8	V	
Min Limit	0.5	V	
N/cm^2	0	1E+12	5E+12
LL	0.500	0.500	0.500
Min	0.794	0.740	0.737
Average	0.794	0.751	0.744
Max	0.794	0.770	0.752
UL	0.800	0.800	0.800

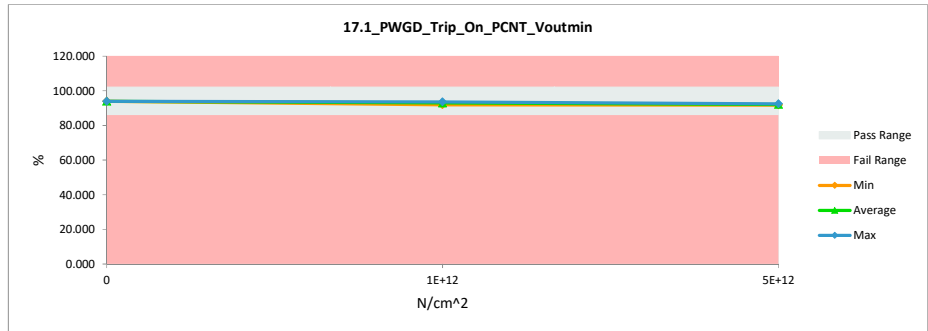


NDD Report
TPS7H1101A-SP

17.1_PWGD_Trip_On_PCNT_Voutmin				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	%	%		
Max Limit	102	102		
Min Limit	86	86		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	95.228	93.613	-1.615
1E+12	203	93.531	93.168	-0.363
1E+12	204	93.102	91.921	-1.181
5E+12	205	93.519	92.487	-1.032
5E+12	206	92.752	92.115	-0.637
5E+12	207	92.653	91.797	-0.856
0	211	93.345	93.966	0.621
	Max	95.228	93.966	0.621
	Average	93.447	92.724	-0.723
	Min	92.653	91.797	-1.615
	Std Dev	0.859	0.862	0.714

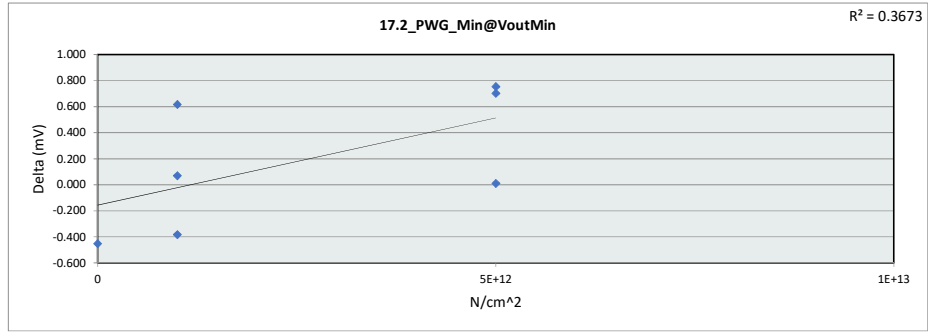


17.1_PWGD_Trip_On_PCNT_Voutmin			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	102	%	
Min Limit	86	%	
N/cm^2	0	1E+12	5E+12
LL	86.000	86.000	86.000
Min	93.966	91.921	91.797
Average	93.966	92.901	92.133
Max	93.966	93.613	92.487
UL	102.000	102.000	102.000

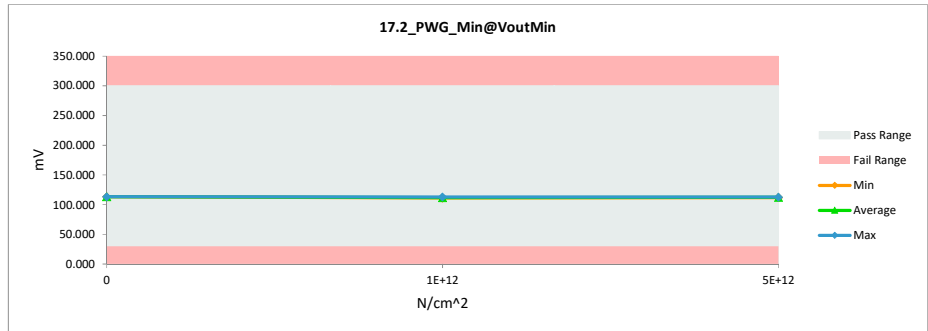


NDD Report
TPS7H1101A-SP

17.2_PWG_Min@VoutMin				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mV		mV	
Max Limit	300		300	
Min Limit	30		30	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	112.190	112.260	0.070
1E+12	203	111.412	111.028	-0.384
1E+12	204	112.206	112.823	0.617
5E+12	205	112.015	112.026	0.011
5E+12	206	111.163	111.917	0.754
5E+12	207	112.010	112.713	0.703
0	211	113.726	113.274	-0.452
	Max	113.726	113.274	0.754
	Average	112.103	112.292	0.188
	Min	111.163	111.028	-0.452
	Std Dev	0.820	0.734	0.509

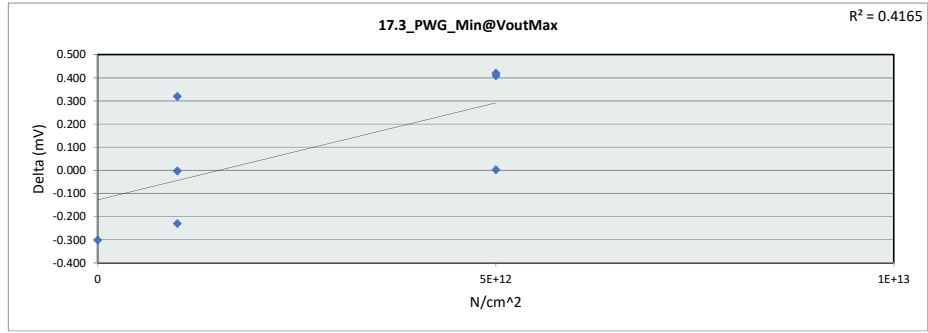


17.2_PWG_Min@VoutMin			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	300 mV		
Min Limit	30 mV		
N/cm^2	0	1E+12	5E+12
LL	30.000	30.000	30.000
Min	113.274	111.028	111.917
Average	113.274	112.037	112.219
Max	113.274	112.823	112.713
UL	300.000	300.000	300.000

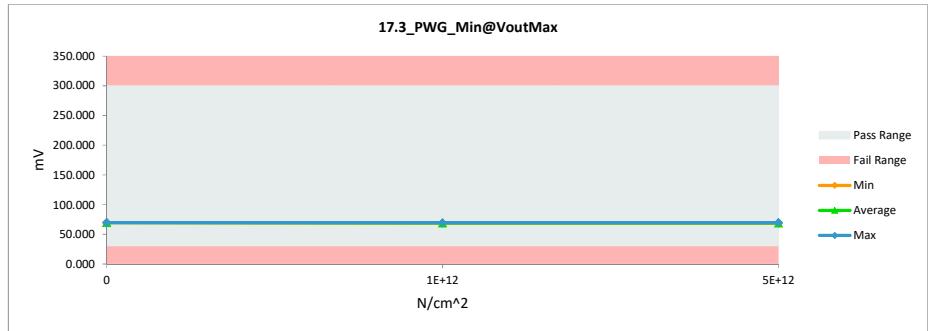


NDD Report
TPS7H1101A-SP

17.3_PWG_Min@VoutMax				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mV		mV	
Max Limit	300		300	
Min Limit	30		30	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	69.114	69.111	-0.003
1E+12	203	68.712	68.482	-0.230
1E+12	204	69.195	69.514	0.319
5E+12	205	68.664	68.666	0.002
5E+12	206	68.231	68.651	0.420
5E+12	207	69.339	69.748	0.409
0	211	70.232	69.930	-0.302
	Max	70.232	69.930	0.420
	Average	69.070	69.157	0.088
	Min	68.231	68.482	-0.302
	Std Dev	0.637	0.582	0.299

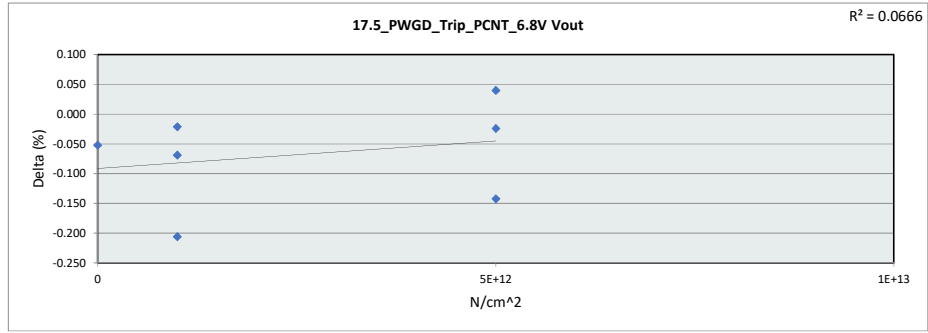


17.3_PWG_Min@VoutMax			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	300 mV		
Min Limit	30 mV		
N/cm^2	0	1E+12	5E+12
LL	30.000	30.000	30.000
Min	69.930	68.482	68.651
Average	69.930	69.036	69.022
Max	69.930	69.514	69.748
UL	300.000	300.000	300.000

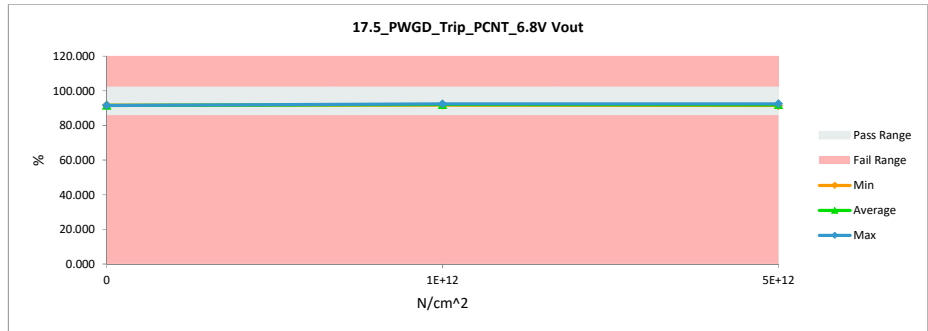


NDD Report
TPS7H1101A-SP

17.5_PWGD_Trip_PCNT_6.8V Vout				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	%	%		
Max Limit	102	102		
Min Limit	86	86		
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	92.450	92.381	-0.069
1E+12	203	92.224	92.203	-0.021
1E+12	204	91.922	91.716	-0.206
5E+12	205	92.454	92.494	0.040
5E+12	206	91.990	91.966	-0.024
5E+12	207	91.578	91.436	-0.142
0	211	91.654	91.602	-0.052
	Max	92.454	92.494	0.040
	Average	92.039	91.971	-0.068
	Min	91.578	91.436	-0.206
	Std Dev	0.354	0.405	0.082

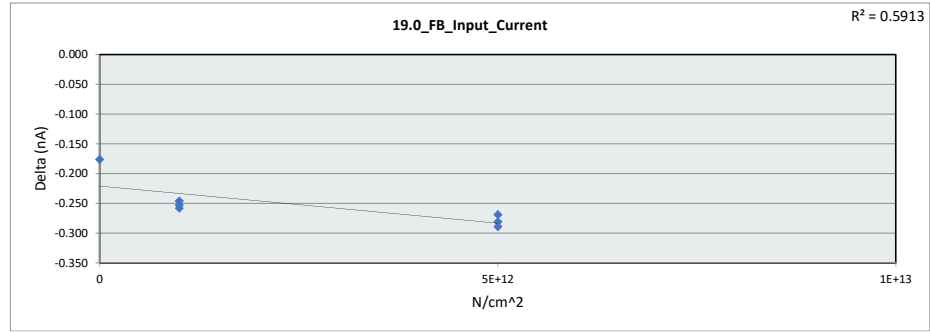


17.5_PWGD_Trip_PCNT_6.8V Vout			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	102	%	
Min Limit	86	%	
N/cm^2	0	1E+12	5E+12
LL	86.000	86.000	86.000
Min	91.602	91.716	91.436
Average	91.602	92.100	91.965
Max	91.602	92.381	92.494
UL	102.000	102.000	102.000

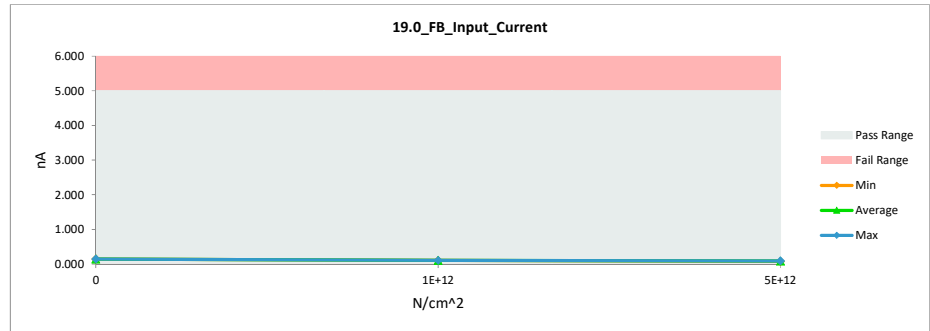


NDD Report
TPS7H1101A-SP

19.0_FB_Input_Current				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	nA		nA	
Max Limit	5		5	
Min Limit	0.005		0.005	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.353	0.107	-0.246
1E+12	203	0.367	0.109	-0.258
1E+12	204	0.361	0.108	-0.253
5E+12	205	0.368	0.087	-0.281
5E+12	206	0.363	0.074	-0.289
5E+12	207	0.361	0.092	-0.269
0	211	0.321	0.145	-0.176
	Max	0.368	0.145	-0.176
	Average	0.356	0.103	-0.253
	Min	0.321	0.074	-0.289
	Std Dev	0.016	0.023	0.037

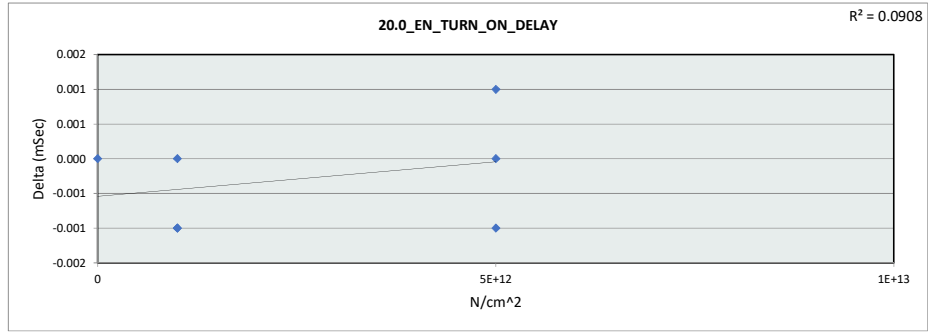


19.0_FB_Input_Current			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	5 nA		
Min Limit	0.005 nA		
N/cm^2	0	1E+12	5E+12
LL	0.005	0.005	0.005
Min	0.145	0.107	0.074
Average	0.145	0.108	0.084
Max	0.145	0.109	0.092
UL	5.000	5.000	5.000

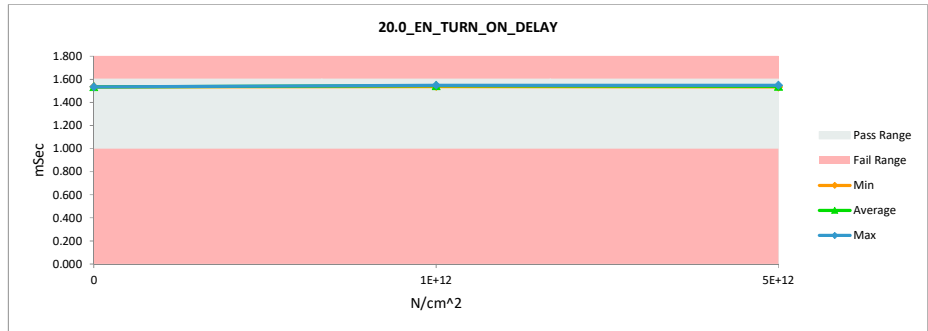


NDD Report
TPS7H1101A-SP

20.0_EN_TURN_ON_DELAY				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mSec		mSec	
Max Limit	1.6		1.6	
Min Limit	1		1	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.548	1.547	-0.001
1E+12	203	1.537	1.537	0.000
1E+12	204	1.548	1.547	-0.001
5E+12	205	1.533	1.533	0.000
5E+12	206	1.548	1.547	-0.001
5E+12	207	1.536	1.537	0.001
0	211	1.534	1.534	0.000
	Max	1.548	1.547	0.001
	Average	1.541	1.540	0.000
	Min	1.533	1.533	-0.001
	Std Dev	0.007	0.006	0.001



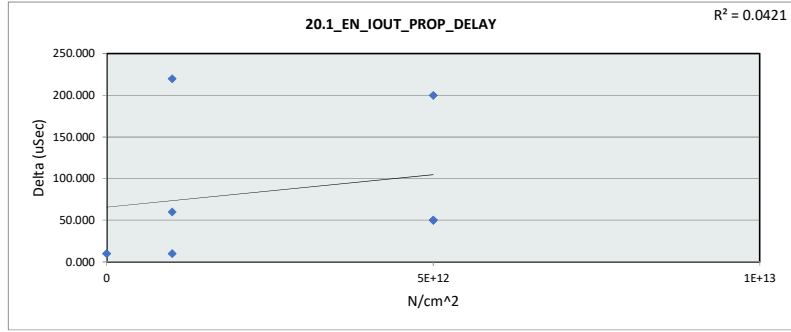
20.0_EN_TURN_ON_DELAY			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1.6 mSec		
Min Limit	1 mSec		
N/cm^2	0	1E+12	5E+12
LL	1.000	1.000	1.000
Min	1.534	1.537	1.533
Average	1.534	1.544	1.539
Max	1.534	1.547	1.547
UL	1.600	1.600	1.600



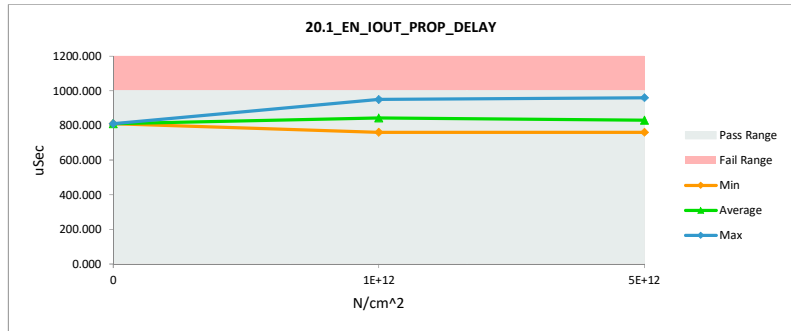
NDD Report
TPS7H1101A-SP

20.1_EN_IOUT_PROP_DELAY		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	uSec	uSec
Max Limit	1000	1000
Min Limit	1	1

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	730.000	950.000	220.000
1E+12	203	750.000	760.000	10.000
1E+12	204	760.000	820.000	60.000
5E+12	205	760.000	960.000	200.000
5E+12	206	710.000	760.000	50.000
5E+12	207	720.000	770.000	50.000
0	211	800.000	810.000	10.000
	Max	800.000	960.000	220.000
	Average	747.143	832.857	85.714
	Min	710.000	760.000	10.000
	Std Dev	30.394	86.740	87.342



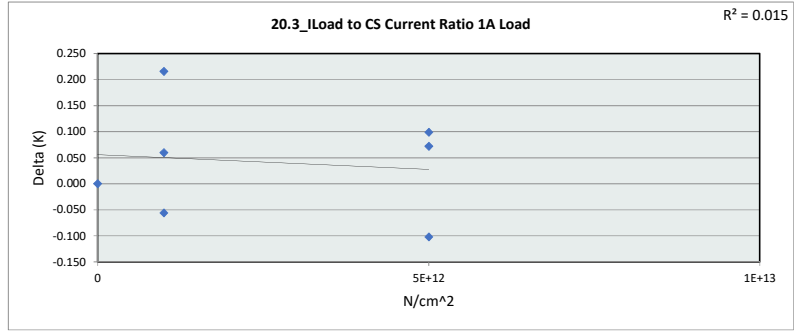
20.1_EN_IOUT_PROP_DELAY			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1000	uSec	
Min Limit	1	uSec	
N/cm^2	0	1E+12	5E+12
LL	1.000	1.000	1.000
Min	810.000	760.000	760.000
Average	810.000	843.333	830.000
Max	810.000	950.000	960.000
UL	1000.000	1000.000	1000.000



NDD Report
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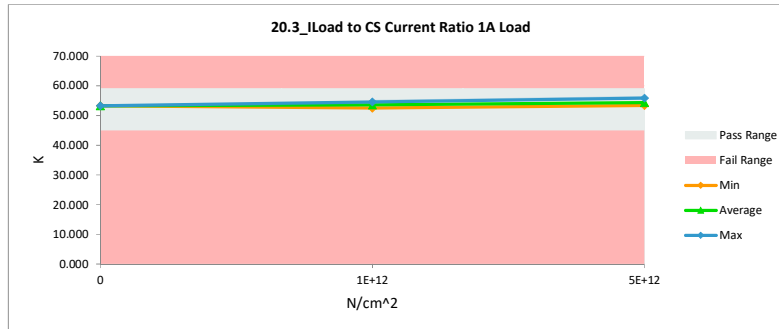
20.3_Iload to CS Current Ratio 1A		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	K	K
Max Limit	59	59
Min Limit	45	45

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	52.325	52.541	0.216
1E+12	203	54.636	54.580	-0.056
1E+12	204	53.548	53.608	0.060
5E+12	205	55.995	55.893	-0.102
5E+12	206	53.271	53.343	0.072
5E+12	207	53.703	53.802	0.099
0	211	53.320	53.320	0.000
	Max	55.995	55.893	0.216
	Average	53.828	53.870	0.041
	Min	52.325	52.541	-0.102
	Std Dev	1.174	1.081	0.106



20.3_Iload to CS Current Ratio 1A Load		
Test Site	Dallas	
Tester	ETS364	
Test Number	EF5069	
Max Limit	K	
Min Limit	K	

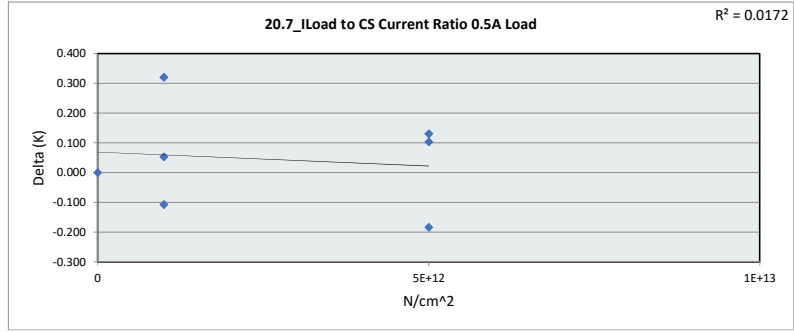
N/cm^2	0	1E+12	5E+12
LL	45.000	45.000	45.000
Min	53.320	52.541	53.343
Average	53.320	53.576	54.346
Max	53.320	54.580	55.893
UL	59.000	59.000	59.000



NDD Report
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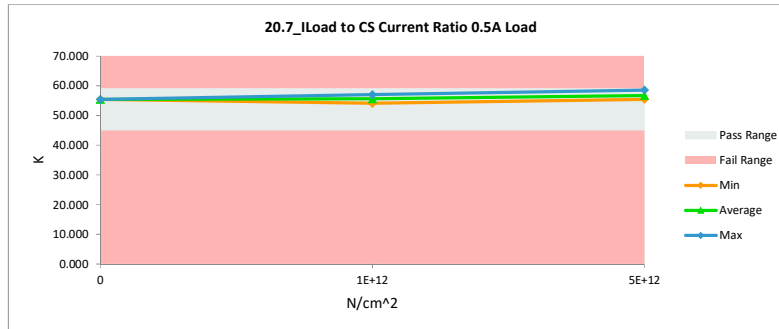
20.7_Iload to CS Current Ratio 0.5A Load		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	K	K
Max Limit	59	59
Min Limit	45	45

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	53.791	54.111	0.320
1E+12	203	57.105	56.998	-0.107
1E+12	204	55.621	55.674	0.053
5E+12	205	58.752	58.568	-0.184
5E+12	206	55.352	55.455	0.103
5E+12	207	55.949	56.079	0.130
0	211	55.409	55.409	0.000
	Max	58.752	58.568	0.320
	Average	55.997	56.042	0.045
	Min	53.791	54.111	-0.184
	Std Dev	1.559	1.409	0.165



20.7_Iload to CS Current Ratio 0.5A Load		
Test Site	Dallas	
Tester	ETS364	
Test Number	EF5069	
Max Limit	K	
Min Limit	K	

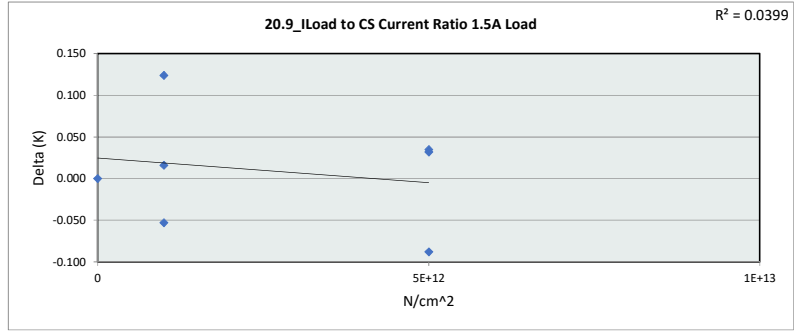
N/cm^2	0	1E+12	5E+12
LL	45.000	45.000	45.000
Min	55.409	54.111	55.455
Average	55.409	55.594	56.701
Max	55.409	56.998	58.568
UL	59.000	59.000	59.000



NDD Report
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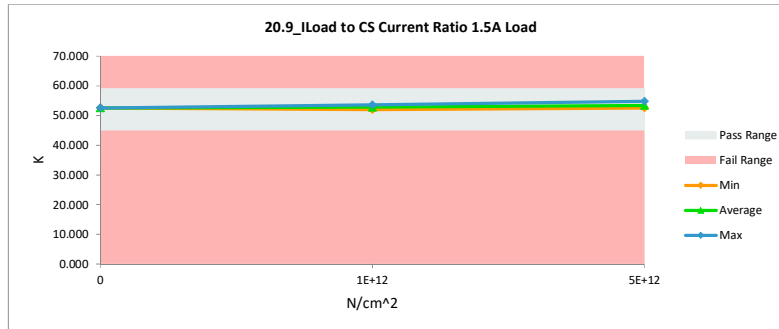
20.9_Iload to CS Current Ratio 1		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	K	K
Max Limit	59	59
Min Limit	45	45

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	51.874	51.998	0.124
1E+12	203	53.638	53.585	-0.053
1E+12	204	52.805	52.821	0.016
5E+12	205	54.879	54.791	-0.088
5E+12	206	52.528	52.560	0.032
5E+12	207	52.928	52.963	0.035
0	211	52.576	52.576	0.000
	Max	54.879	54.791	0.124
	Average	53.033	53.042	0.009
	Min	51.874	51.998	-0.088
	Std Dev	0.970	0.908	0.068



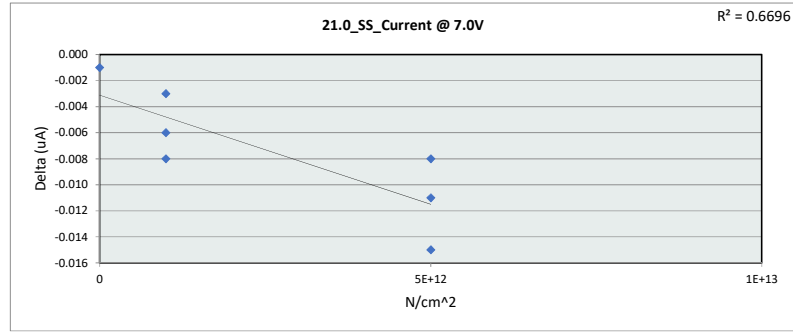
20.9_Iload to CS Current Ratio 1.5A Load		
Test Site	Dallas	
Tester	ETS364	
Test Number	EF5069	
Max Limit	59	K
Min Limit	45	K

N/cm^2	0	1E+12	5E+12
LL	45.000	45.000	45.000
Min	52.576	51.998	52.560
Average	52.576	52.801	53.438
Max	52.576	53.585	54.791
UL	59.000	59.000	59.000

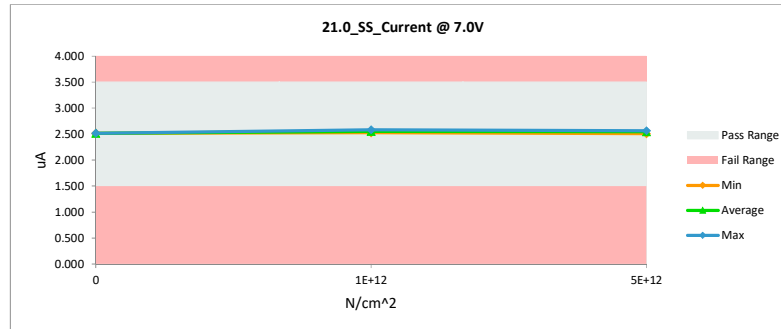


NDD Report
TPS7H1101A-SP

21.0_SS_Current @ 7.0V				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	uA		uA	
Max Limit	3.5		3.5	
Min Limit	1.5		1.5	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	2.558	2.550	-0.008
1E+12	203	2.589	2.583	-0.006
1E+12	204	2.528	2.525	-0.003
5E+12	205	2.575	2.564	-0.011
5E+12	206	2.515	2.507	-0.008
5E+12	207	2.575	2.560	-0.015
0	211	2.519	2.518	-0.001
	Max	2.589	2.583	-0.001
	Average	2.551	2.544	-0.007
	Min	2.515	2.507	-0.015
	Std Dev	0.030	0.028	0.005

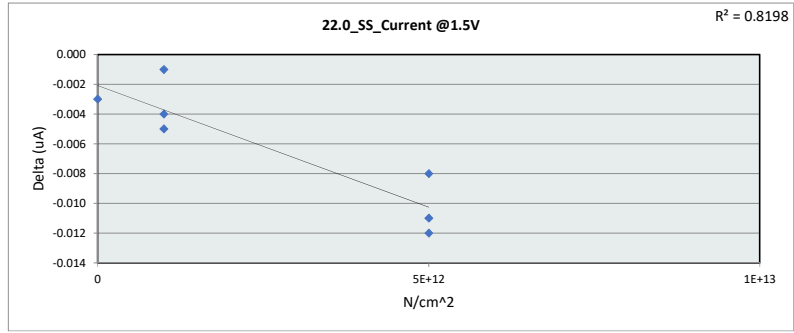


21.0_SS_Current @ 7.0V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	3.5 uA		
Min Limit	1.5 uA		
N/cm^2	0	1E+12	5E+12
LL	1.500	1.500	1.500
Min	2.518	2.525	2.507
Average	2.518	2.553	2.544
Max	2.518	2.583	2.564
UL	3.500	3.500	3.500

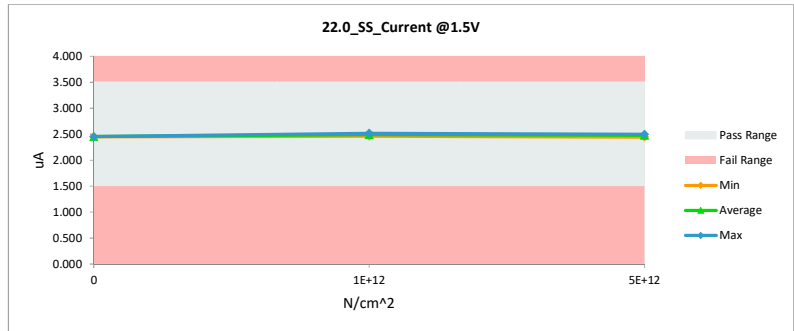


NDD Report
TPS7H1101A-SP

22.0_SS_Current @1.5V				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	uA		uA	
Max Limit	3.5		3.5	
Min Limit	1.5		1.5	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	2.490	2.485	-0.005
1E+12	203	2.522	2.518	-0.004
1E+12	204	2.462	2.461	-0.001
5E+12	205	2.509	2.498	-0.011
5E+12	206	2.452	2.444	-0.008
5E+12	207	2.507	2.495	-0.012
0	211	2.454	2.451	-0.003
	Max	2.522	2.518	-0.001
	Average	2.485	2.479	-0.006
	Min	2.452	2.444	-0.012
	Std Dev	0.029	0.027	0.004



22.0_SS_Current @1.5V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	3.5 uA		
Min Limit	1.5 uA		
N/cm^2	0	1E+12	5E+12
LL	1.500	1.500	1.500
Min	2.451	2.461	2.444
Average	2.451	2.488	2.479
Max	2.451	2.518	2.498
UL	3.500	3.500	3.500

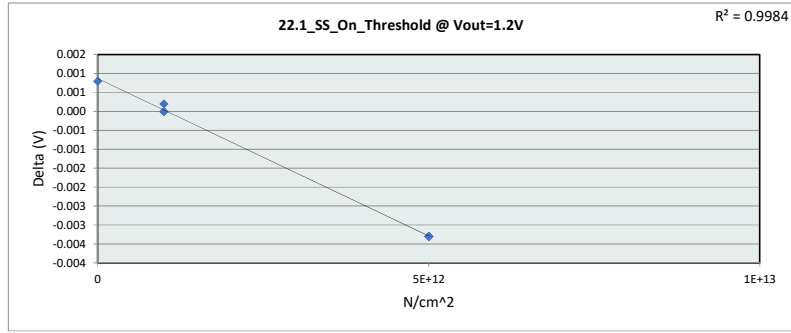


NDD Report
TPS7H1101A-SP

22.1_SS_On_Threshold @ Vout=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.232	1.232
Min Limit	1.1954	1.1954

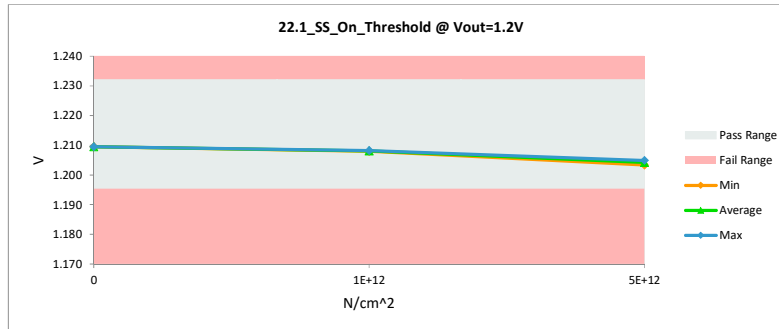
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	1.208	1.208	0.000
1E+12	203	1.208	1.208	0.000
1E+12	204	1.208	1.208	0.000
5E+12	205	1.208	1.204	-0.003
5E+12	206	1.207	1.203	-0.003
5E+12	207	1.208	1.205	-0.003
0	211	1.209	1.209	0.001
	Max	1.209	1.209	0.001
	Average	1.208	1.207	-0.001
	Min	1.207	1.203	-0.003
	Std Dev	0.001	0.002	0.002



22.1_SS_On_Threshold @ Vout=1.2V

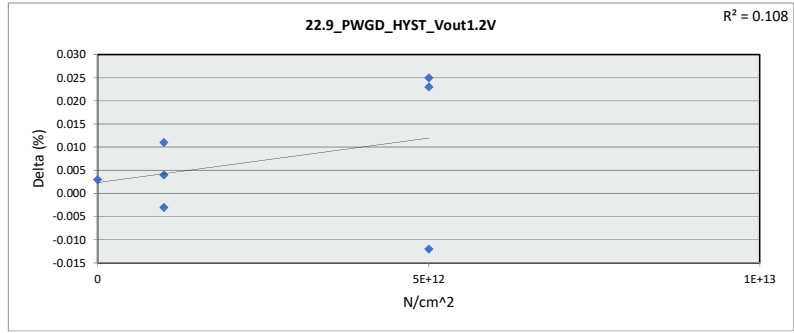
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.232 V
Min Limit	1.1954 V

N/cm ²	0	1E+12	5E+12
LL	1.195	1.195	1.195
Min	1.210	1.208	1.203
Average	1.210	1.208	1.204
Max	1.210	1.208	1.205
UL	1.232	1.232	1.232

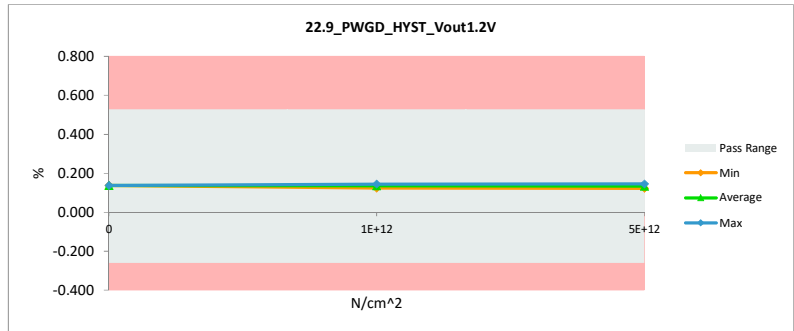


NDD Report
TPS7H1101A-SP

22.9_PWGD_HYST_Vout1.2V				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	%		%	
Max Limit	0.525		0.525	
Min Limit	-0.261		-0.261	
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	0.113	0.124	0.011
1E+12	203	0.141	0.138	-0.003
1E+12	204	0.140	0.144	0.004
5E+12	205	0.107	0.132	0.025
5E+12	206	0.122	0.145	0.023
5E+12	207	0.135	0.123	-0.012
0	211	0.134	0.137	0.003
	Max	0.141	0.145	0.025
	Average	0.127	0.135	0.007
	Min	0.107	0.123	-0.012
	Std Dev	0.014	0.009	0.013

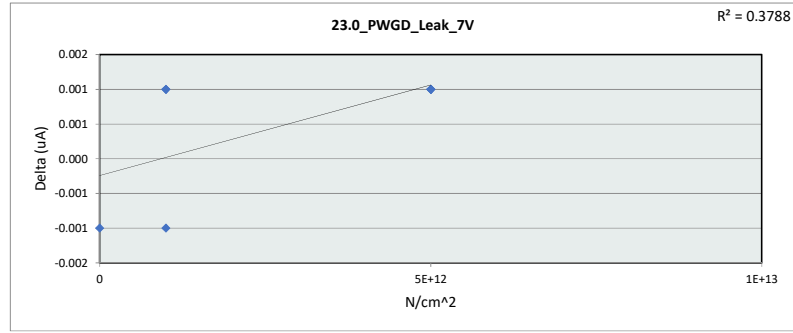


22.9_PWGD_HYST_Vout1.2V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	0.525 %		
Min Limit	-0.261 %		
N/cm ²	0	1E+12	5E+12
LL	-0.261	-0.261	-0.261
Min	0.137	0.124	0.123
Average	0.137	0.135	0.133
Max	0.137	0.144	0.145
UL	0.525	0.525	0.525

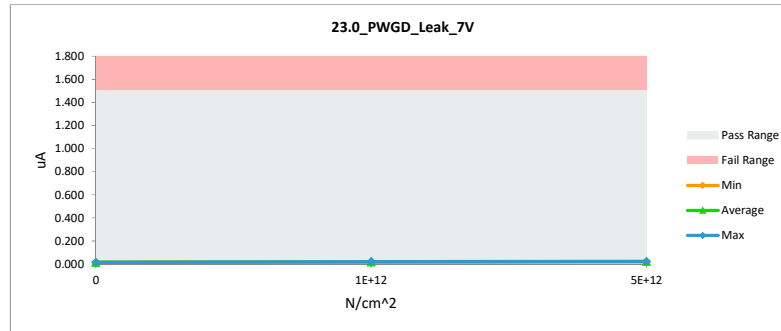


NDD Report
TPS7H1101A-SP

23.0_PWGD_Leak_7V				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	uA		uA	
Max Limit	1.5		1.5	
Min Limit	0.001		0.001	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.016	0.017	0.001
1E+12	203	0.022	0.021	-0.001
1E+12	204	0.018	0.019	0.001
5E+12	205	0.021	0.022	0.001
5E+12	206	0.022	0.023	0.001
5E+12	207	0.019	0.020	0.001
0	211	0.016	0.015	-0.001
	Max	0.022	0.023	0.001
	Average	0.019	0.020	0.000
	Min	0.016	0.015	-0.001
	Std Dev	0.003	0.003	0.001



23.0_PWGD_Leak_7V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	1.5 uA		
Min Limit	0.001 uA		
N/cm^2	0	1E+12	5E+12
LL	0.001	0.001	0.001
Min	0.015	0.017	0.020
Average	0.015	0.019	0.022
Max	0.015	0.021	0.023
UL	1.500	1.500	1.500

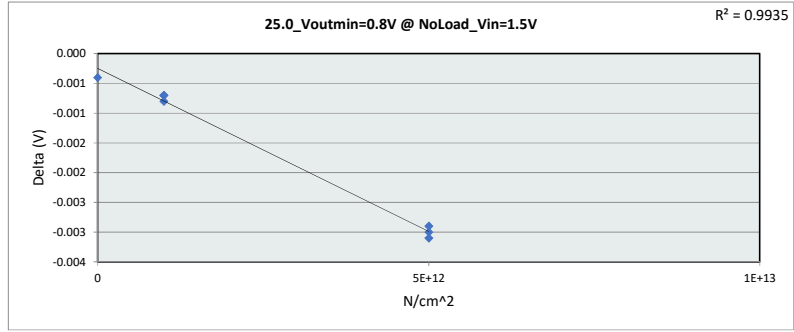


NDD Report
TPS7H1101A-SP

25.0_Voutmin=0.8V @ NoLoad_V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.816	0.816
Min Limit	0.784	0.784

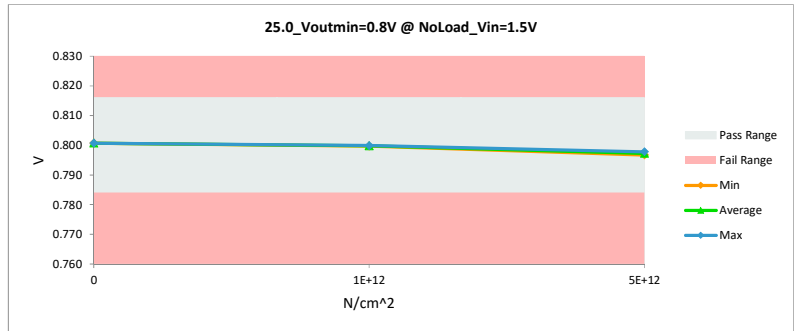
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.801	0.800	-0.001
1E+12	203	0.801	0.800	-0.001
1E+12	204	0.800	0.800	-0.001
5E+12	205	0.800	0.797	-0.003
5E+12	206	0.800	0.797	-0.003
5E+12	207	0.801	0.798	-0.003
0	211	0.801	0.801	0.000
	Max	0.801	0.801	0.000
	Average	0.801	0.799	-0.002
	Min	0.800	0.797	-0.003
	Std Dev	0.000	0.002	0.001



25.0_Voutmin=0.8V @ NoLoad_Vin=1.5V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	0.816 V
Min Limit	0.784 V

N/cm^2	0	1E+12	5E+12
LL	0.784	0.784	0.784
Min	0.801	0.800	0.797
Average	0.801	0.800	0.797
Max	0.801	0.800	0.798
UL	0.816	0.816	0.816

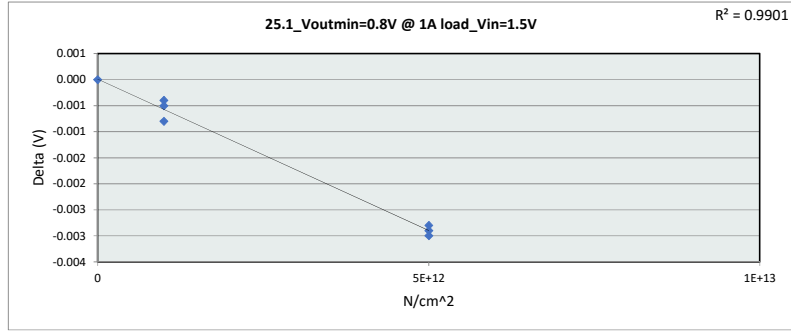


NDD Report
TPS7H1101A-SP

25.1_Voutmin=0.8V @ 1A load_V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.816	0.816
Min Limit	0.784	0.784

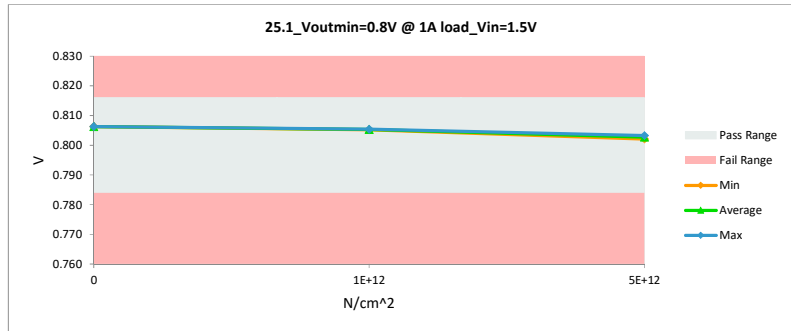
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.806	0.805	0.000
1E+12	203	0.806	0.805	-0.001
1E+12	204	0.806	0.805	0.000
5E+12	205	0.806	0.803	-0.003
5E+12	206	0.805	0.802	-0.003
5E+12	207	0.806	0.803	-0.003
0	211	0.806	0.806	0.000
	Max	0.806	0.806	0.000
	Average	0.806	0.804	-0.001
	Min	0.805	0.802	-0.003
	Std Dev	0.000	0.002	0.001



25.1_Voutmin=0.8V @ 1A load_Vin=1.5V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	0.816 V
Min Limit	0.784 V

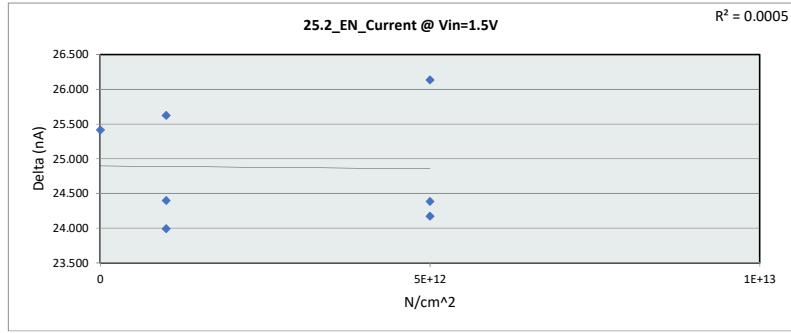
N/cm^2	0	1E+12	5E+12
LL	0.784	0.784	0.784
Min	0.806	0.805	0.802
Average	0.806	0.805	0.803
Max	0.806	0.805	0.803
UL	0.816	0.816	0.816



NDD Report
TPS7H1101A-SP

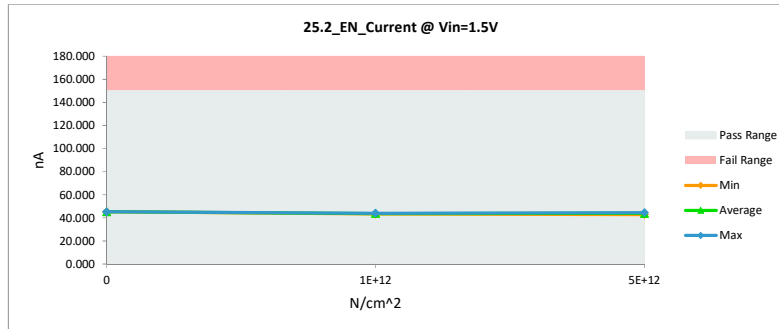
25.2_EN_Current @ Vin=1.5V		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	150	150
Min Limit	0.001	0.001

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	18.755	43.154	24.399
1E+12	203	18.371	43.995	25.624
1E+12	204	19.807	43.799	23.992
5E+12	205	18.747	42.919	24.172
5E+12	206	18.473	44.608	26.135
5E+12	207	19.767	44.152	24.385
0	211	19.854	45.268	25.414
	Max	19.854	45.268	26.135
	Average	19.111	43.985	24.874
	Min	18.371	42.919	23.992
	Std Dev	0.668	0.809	0.835



25.2_EN_Current @ Vin=1.5V		
Test Site	Dallas	
Tester	ETS364	
Test Number	EF5069	
Max Limit	150	nA
Min Limit	0.001	nA

N/cm^2	0	1E+12	5E+12
LL	0.001	0.001	0.001
Min	45.268	43.154	42.919
Average	45.268	43.649	43.893
Max	45.268	43.995	44.608
UL	150.000	150.000	150.000

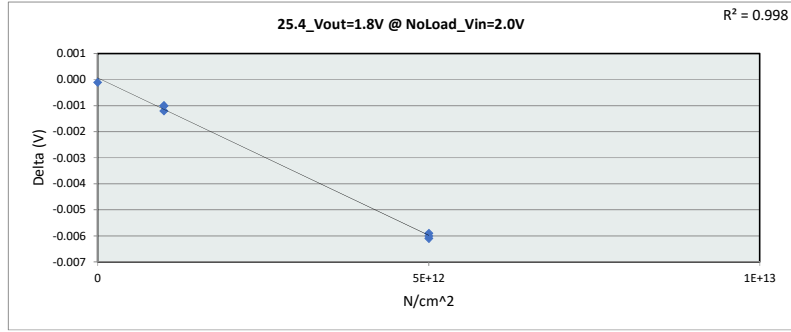


NDD Report
TPS7H1101A-SP

25.4_Vout=1.8V @ NoLoad_Vin=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8462	1.8462
Min Limit	1.7738	1.7738

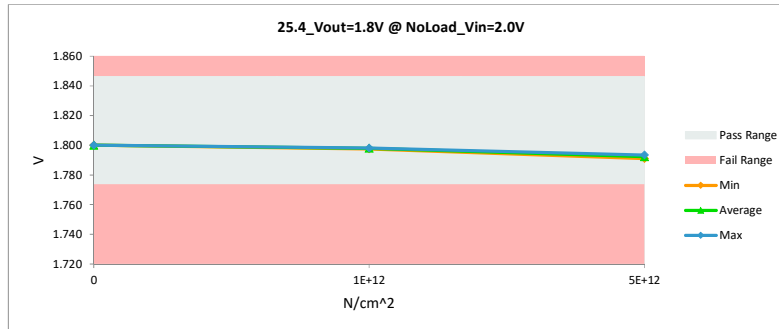
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.799	1.798	-0.001
1E+12	203	1.799	1.798	-0.001
1E+12	204	1.799	1.798	-0.001
5E+12	205	1.798	1.792	-0.006
5E+12	206	1.797	1.791	-0.006
5E+12	207	1.799	1.793	-0.006
0	211	1.800	1.800	0.000
	Max	1.800	1.800	0.000
	Average	1.799	1.796	-0.003
	Min	1.797	1.791	-0.006
	Std Dev	0.001	0.003	0.003



25.4_Vout=1.8V @ NoLoad_Vin=2.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.8462
Min Limit	1.7738

N/cm^2	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.800	1.798	1.791
Average	1.800	1.798	1.792
Max	1.800	1.798	1.793
UL	1.846	1.846	1.846

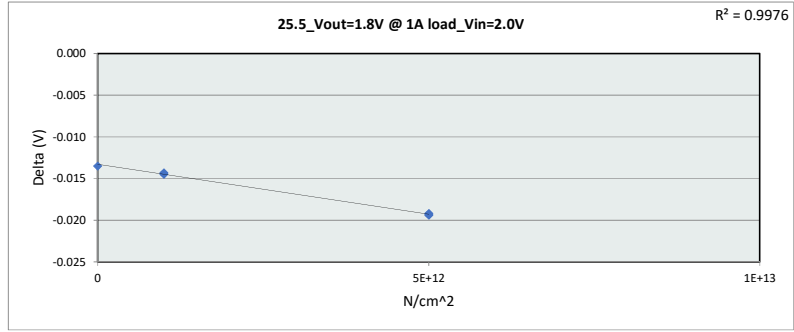


NDD Report
TPS7H1101A-SP

25.5_Vout=1.8V @ 1A load_Vin=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8462	1.8462
Min Limit	1.7738	1.7738

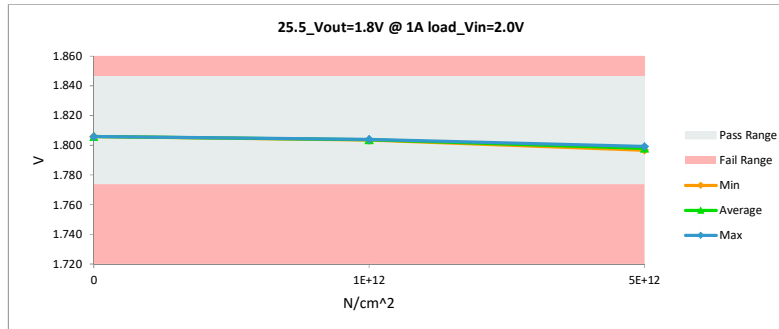
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.819	1.804	-0.015
1E+12	203	1.818	1.804	-0.014
1E+12	204	1.818	1.803	-0.014
5E+12	205	1.817	1.798	-0.019
5E+12	206	1.816	1.797	-0.019
5E+12	207	1.818	1.799	-0.019
0	211	1.819	1.806	-0.014
	Max	1.819	1.806	-0.014
	Average	1.818	1.802	-0.016
	Min	1.816	1.797	-0.019
	Std Dev	0.001	0.003	0.003



25.5_Vout=1.8V @ 1A load_Vin=2.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.8462 V
Min Limit	1.7738 V

N/cm^2	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.806	1.803	1.797
Average	1.806	1.804	1.798
Max	1.806	1.804	1.799
UL	1.846	1.846	1.846

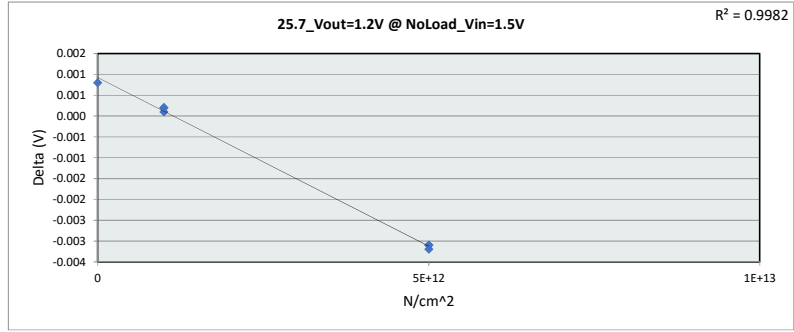


NDD Report
TPS7H1101A-SP

25.7_Vout=1.2V @ NoLoad_Vin=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.2342	1.2342
Min Limit	1.1858	1.1858

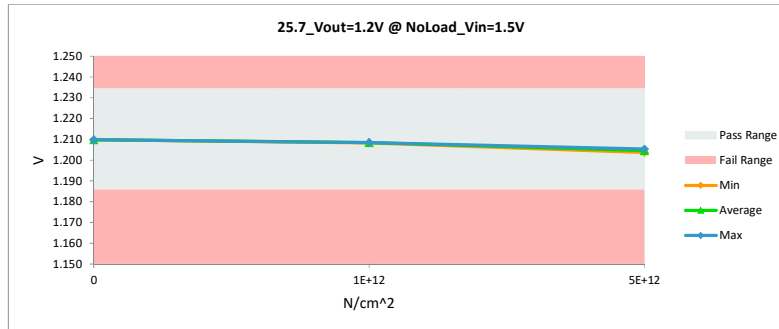
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.208	1.209	0.000
1E+12	203	1.208	1.209	0.000
1E+12	204	1.208	1.208	0.000
5E+12	205	1.208	1.205	-0.003
5E+12	206	1.207	1.204	-0.003
5E+12	207	1.208	1.205	-0.003
0	211	1.209	1.210	0.001
	Max	1.209	1.210	0.001
	Average	1.208	1.207	-0.001
	Min	1.207	1.204	-0.003
	Std Dev	0.001	0.002	0.002



25.7_Vout=1.2V @ NoLoad_Vin=1.5V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.2342
Min Limit	1.1858

N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.210	1.208	1.204
Average	1.210	1.208	1.205
Max	1.210	1.209	1.205
UL	1.234	1.234	1.234

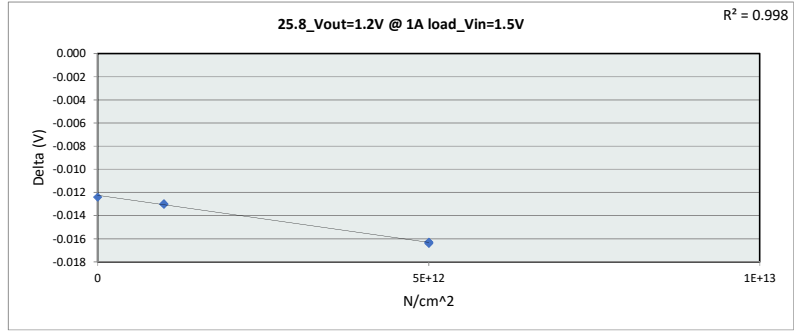


NDD Report
TPS7H1101A-SP

25.8_Vout=1.2V @ 1A load_Vin=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.2342	1.2342
Min Limit	1.1858	1.1858

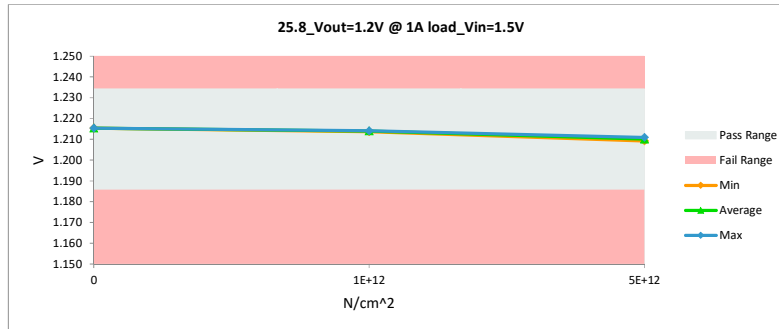
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.227	1.214	-0.013
1E+12	203	1.227	1.214	-0.013
1E+12	204	1.227	1.214	-0.013
5E+12	205	1.227	1.210	-0.016
5E+12	206	1.225	1.209	-0.016
5E+12	207	1.227	1.211	-0.016
0	211	1.228	1.215	-0.012
	Max	1.228	1.215	-0.012
	Average	1.227	1.212	-0.014
	Min	1.225	1.209	-0.016
	Std Dev	0.001	0.002	0.002



25.8_Vout=1.2V @ 1A load_Vin=1.5V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.2342 V
Min Limit	1.1858 V

N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.215	1.214	1.209
Average	1.215	1.214	1.210
Max	1.215	1.214	1.211
UL	1.234	1.234	1.234

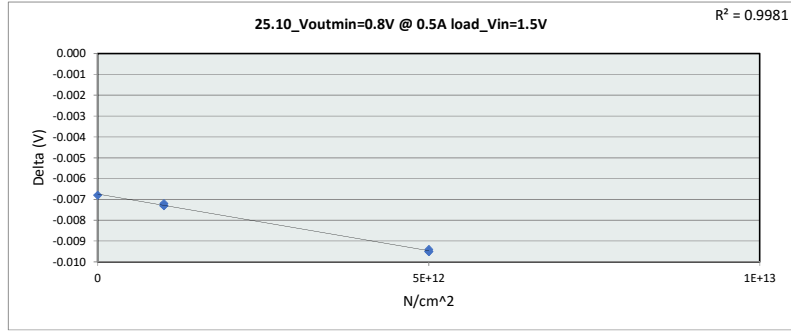


NDD Report
TPS7H1101A-SP

25.10_Voutmin=0.8V @ 0.5A load

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.816	0.816
Min Limit	0.784	0.784

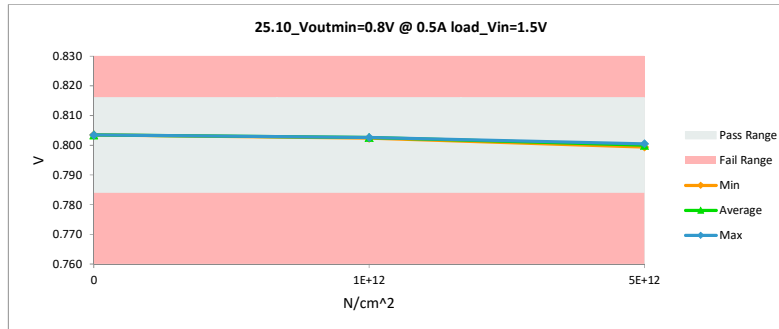
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	0.810	0.803	-0.007
1E+12	203	0.810	0.803	-0.007
1E+12	204	0.810	0.802	-0.007
5E+12	205	0.810	0.800	-0.009
5E+12	206	0.809	0.799	-0.010
5E+12	207	0.810	0.800	-0.009
0	211	0.810	0.803	-0.007
	Max	0.810	0.803	-0.007
	Average	0.810	0.802	-0.008
	Min	0.809	0.799	-0.010
	Std Dev	0.000	0.002	0.001



25.10_Voutmin=0.8V @ 0.5A load_Vin=1.5V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	V
Min Limit	V

N/cm^2	0	1E+12	5E+12
LL	0.784	0.784	0.784
Min	0.804	0.802	0.799
Average	0.804	0.803	0.800
Max	0.804	0.803	0.801
UL	0.816	0.816	0.816

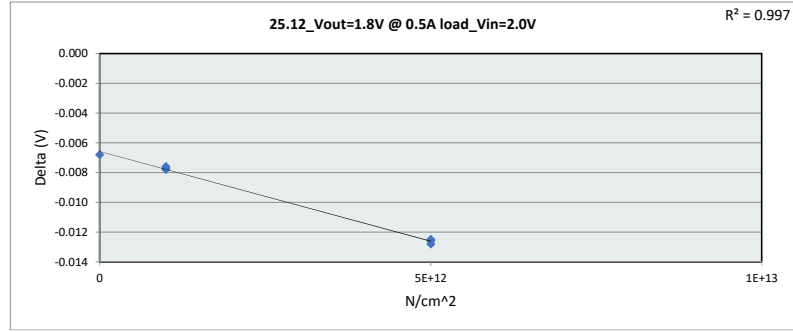


NDD Report
TPS7H1101A-SP

25.12_Vout=1.8V @ 0.5A load_V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8462	1.8462
Min Limit	1.7738	1.7738

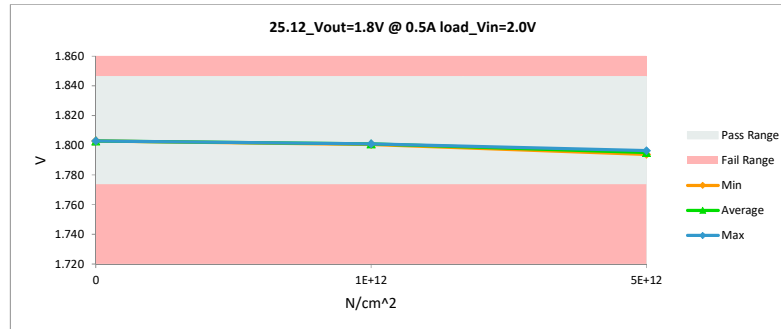
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.809	1.801	-0.008
1E+12	203	1.809	1.801	-0.008
1E+12	204	1.808	1.801	-0.008
5E+12	205	1.808	1.795	-0.013
5E+12	206	1.806	1.794	-0.013
5E+12	207	1.809	1.796	-0.012
0	211	1.810	1.803	-0.007
	Max	1.810	1.803	-0.007
	Average	1.808	1.799	-0.010
	Min	1.806	1.794	-0.013
	Std Dev	0.001	0.003	0.003



25.12_Vout=1.8V @ 0.5A load_Vin=2.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.8462 V
Min Limit	1.7738 V

N/cm^2	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.803	1.801	1.794
Average	1.803	1.801	1.795
Max	1.803	1.801	1.796
UL	1.846	1.846	1.846

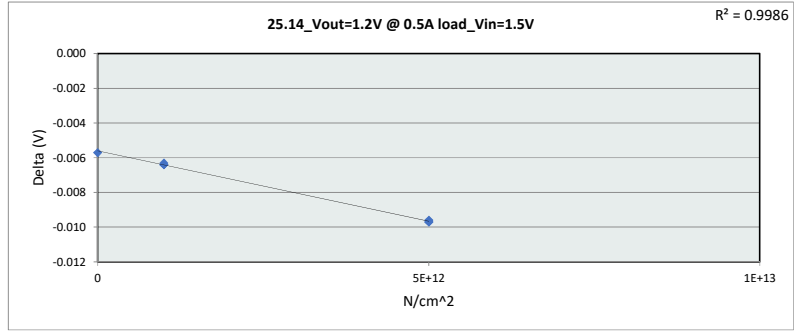


NDD Report
TPS7H1101A-SP

25.14_Vout=1.2V @ 0.5A load_V

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.2342	1.2342
Min Limit	1.1858	1.1858

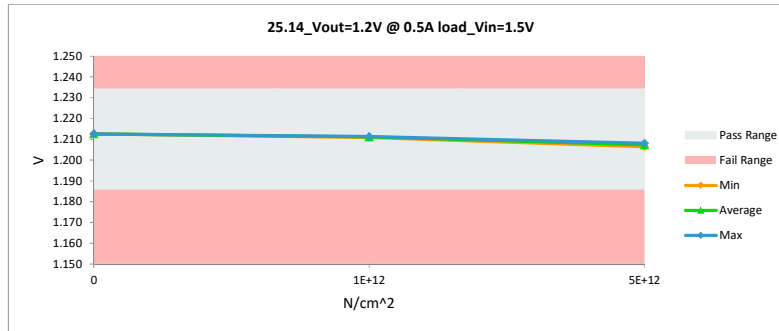
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.218	1.211	-0.006
1E+12	203	1.218	1.211	-0.006
1E+12	204	1.217	1.211	-0.006
5E+12	205	1.217	1.207	-0.010
5E+12	206	1.216	1.206	-0.010
5E+12	207	1.218	1.208	-0.010
0	211	1.218	1.213	-0.006
	Max	1.218	1.213	-0.006
	Average	1.217	1.210	-0.008
	Min	1.216	1.206	-0.010
	Std Dev	0.001	0.002	0.002



25.14_Vout=1.2V @ 0.5A load_Vin=1.5V

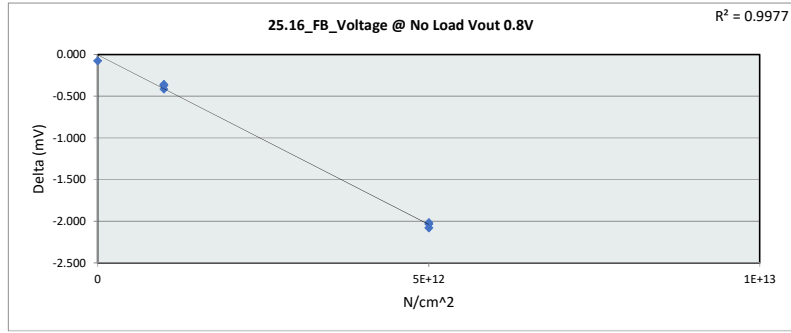
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.2342
Min Limit	1.1858

N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.213	1.211	1.206
Average	1.213	1.211	1.207
Max	1.213	1.211	1.208
UL	1.234	1.234	1.234

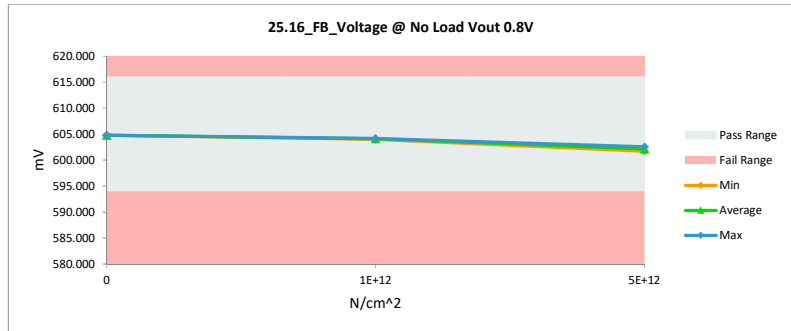


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TPS7H1101A-SP

25.16_FB_Voltage @ No Load Vout				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	mV	mV		
Max Limit	616	616		
Min Limit	594	594		
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.558	604.144	-0.414
1E+12	203	604.496	604.125	-0.371
1E+12	204	604.334	603.978	-0.356
5E+12	205	604.290	602.209	-2.081
5E+12	206	603.755	601.720	-2.035
5E+12	207	604.562	602.546	-2.016
0	211	604.855	604.779	-0.076
	Max	604.855	604.779	-0.076
	Average	604.407	603.357	-1.050
	Min	603.755	601.720	-2.081
	Std Dev	0.341	1.174	0.937



25.16_FB_Voltage @ No Load Vout 0.8V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	616	mV	
Min Limit	594	mV	
N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.779	603.978	601.720
Average	604.779	604.082	602.158
Max	604.779	604.144	602.546
UL	616.000	616.000	616.000

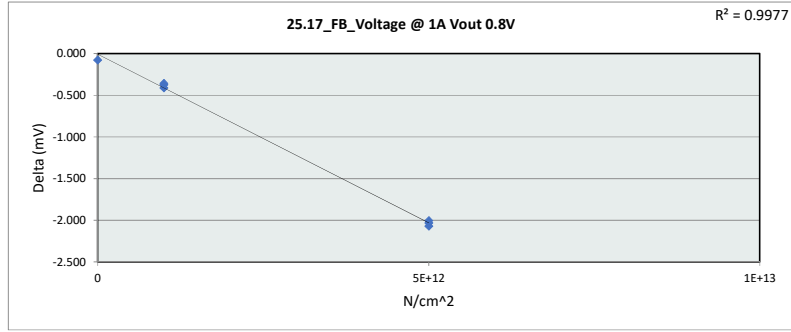


NDD Report
TPS7H1101A-SP

25.17_FB_Voltage @ 1A Vout 0.8

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	616	616
Min Limit	594	594

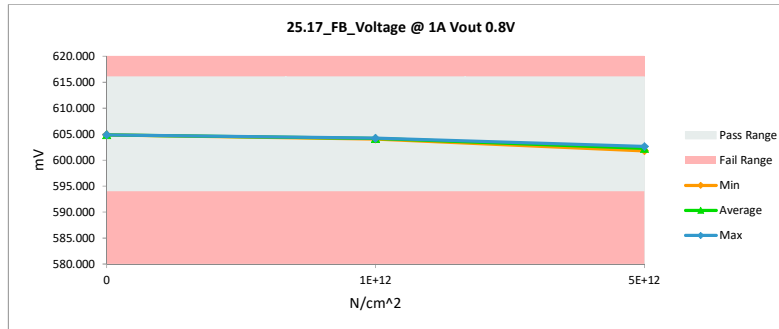
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.622	604.210	-0.412
1E+12	203	604.563	604.188	-0.375
1E+12	204	604.400	604.044	-0.356
5E+12	205	604.351	602.278	-2.073
5E+12	206	603.821	601.788	-2.033
5E+12	207	604.625	602.619	-2.006
0	211	604.925	604.847	-0.078
	Max	604.925	604.847	-0.078
	Average	604.472	603.425	-1.048
	Min	603.821	601.788	-2.073
	Std Dev	0.342	1.172	0.932



25.17_FB_Voltage @ 1A Vout 0.8V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	616 mV
Min Limit	594 mV

N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.847	604.044	601.788
Average	604.847	604.147	602.228
Max	604.847	604.210	602.619
UL	616.000	616.000	616.000

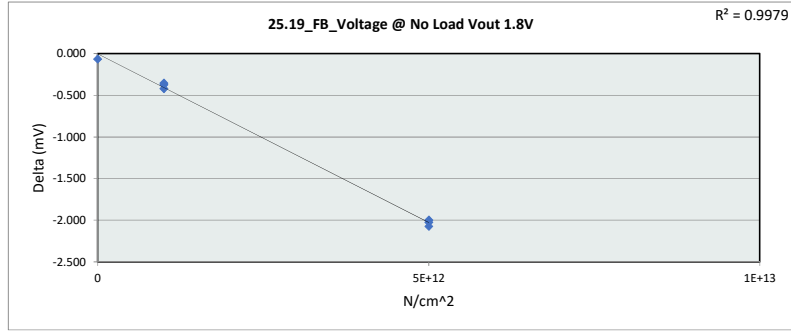


NDD Report
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25.19_FB_Voltage @ No Load Vout

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	616	616
Min Limit	594	594

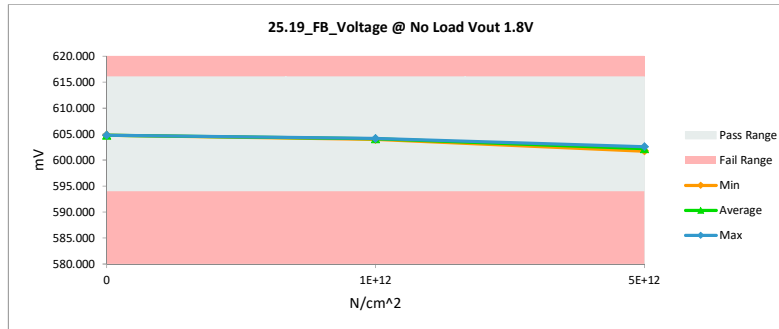
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.575	604.154	-0.421
1E+12	203	604.505	604.132	-0.373
1E+12	204	604.333	603.979	-0.354
5E+12	205	604.286	602.213	-2.073
5E+12	206	603.756	601.731	-2.025
5E+12	207	604.553	602.556	-1.997
0	211	604.853	604.788	-0.065
	Max	604.853	604.788	-0.065
	Average	604.409	603.365	-1.044
	Min	603.756	601.731	-2.073
	Std Dev	0.342	1.174	0.931



25.19_FB_Voltage @ No Load Vout 1.8V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	616 mV
Min Limit	594 mV

N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.788	603.979	601.731
Average	604.788	604.088	602.167
Max	604.788	604.154	602.556
UL	616.000	616.000	616.000

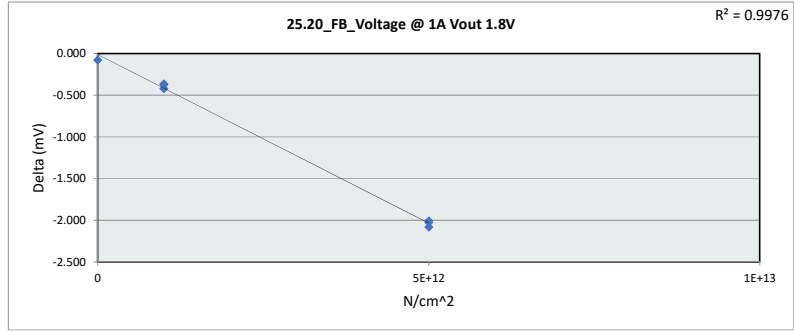


NDD Report
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25.20_FB_Voltage @ 1A Vout 1.8

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	616	616
Min Limit	594	594

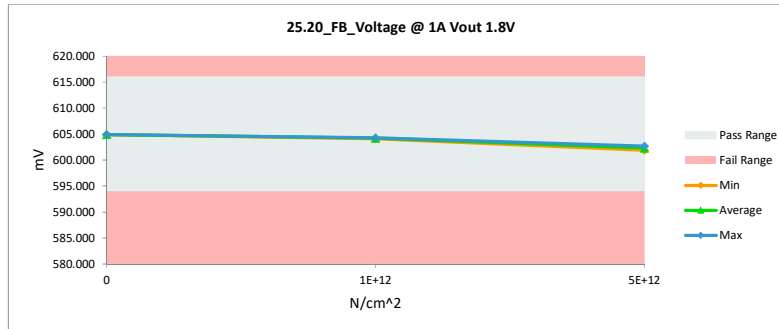
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.706	604.286	-0.420
1E+12	203	604.628	604.255	-0.373
1E+12	204	604.468	604.105	-0.363
5E+12	205	604.412	602.328	-2.084
5E+12	206	603.885	601.858	-2.027
5E+12	207	604.689	602.681	-2.008
0	211	604.990	604.912	-0.078
	Max	604.990	604.912	-0.078
	Average	604.540	603.489	-1.050
	Min	603.885	601.858	-2.084
	Std Dev	0.344	1.175	0.932



25.20_FB_Voltage @ 1A Vout 1.8V

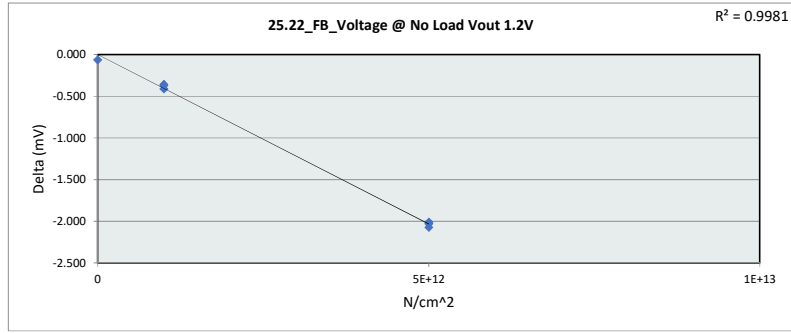
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	616 mV
Min Limit	594 mV

N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.912	604.105	601.858
Average	604.912	604.215	602.289
Max	604.912	604.286	602.681
UL	616.000	616.000	616.000

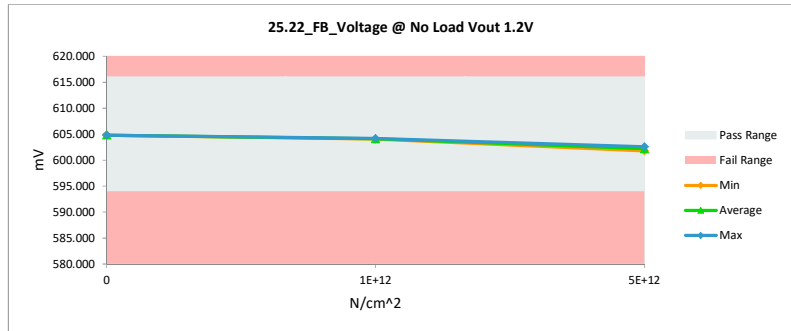


NDD Report
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25.22_FB_Voltage @ No Load Vout				
Test Site	Dallas	MTT		
Tester	ETS364	ETS364		
Test Number	EF5069	EF5069		
Unit	mV	mV		
Max Limit	616	616		
Min Limit	594	594		
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	604.579	604.166	-0.413
1E+12	203	604.522	604.150	-0.372
1E+12	204	604.355	603.998	-0.357
5E+12	205	604.312	602.238	-2.074
5E+12	206	603.776	601.746	-2.030
5E+12	207	604.584	602.572	-2.012
0	211	604.876	604.812	-0.064
	Max	604.876	604.812	-0.064
	Average	604.429	603.383	-1.046
	Min	603.776	601.746	-2.074
	Std Dev	0.342	1.174	0.936



25.22_FB_Voltage @ No Load Vout 1.2V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	616	mV	
Min Limit	594	mV	
N/cm ²	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.812	603.998	601.746
Average	604.812	604.105	602.185
Max	604.812	604.166	602.572
UL	616.000	616.000	616.000

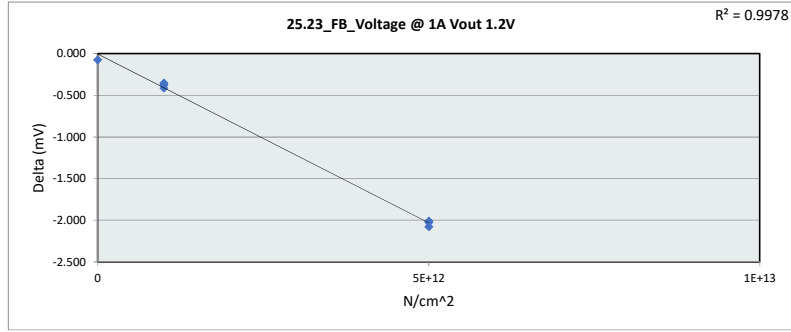


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25.23_FB_Voltage @ 1A Vout 1.2

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	616	616
Min Limit	594	594

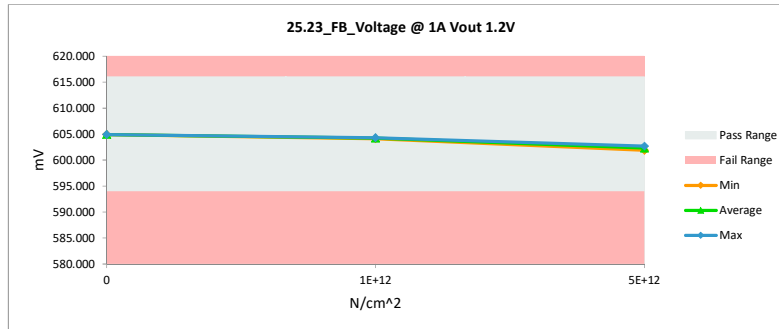
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	604.694	604.280	-0.414
1E+12	203	604.634	604.257	-0.377
1E+12	204	604.473	604.119	-0.354
5E+12	205	604.426	602.348	-2.078
5E+12	206	603.888	601.863	-2.025
5E+12	207	604.699	602.688	-2.011
0	211	604.997	604.923	-0.074
	Max	604.997	604.923	-0.074
	Average	604.544	603.497	-1.048
	Min	603.888	601.863	-2.078
	Std Dev	0.344	1.173	0.933



25.23_FB_Voltage @ 1A Vout 1.2V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	616 mV
Min Limit	594 mV

N/cm^2	0	1E+12	5E+12
LL	594.000	594.000	594.000
Min	604.923	604.119	601.863
Average	604.923	604.219	602.300
Max	604.923	604.280	602.688
UL	616.000	616.000	616.000

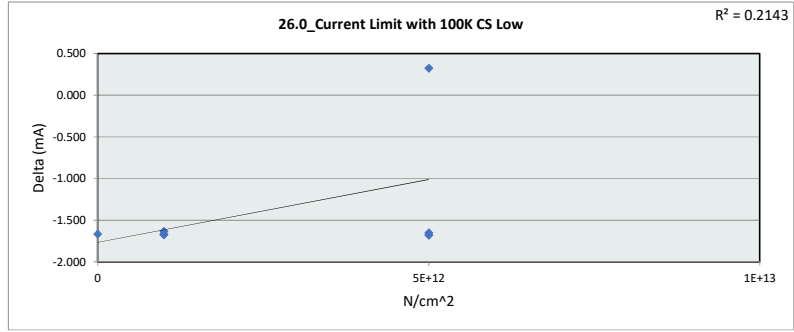


NDD Report
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26.0_Current Limit with 100K CS

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	3500	3500
Min Limit	200	200

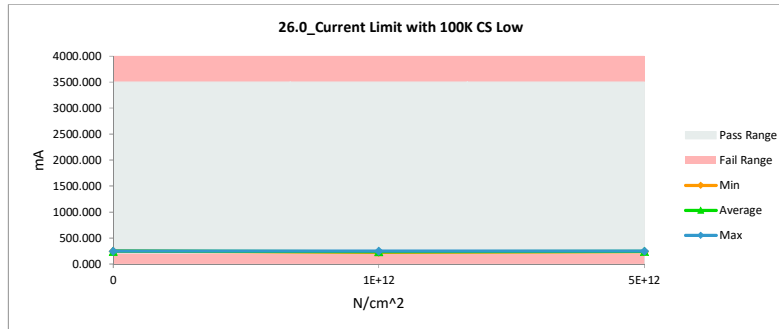
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	226.618	224.942	-1.676
1E+12	203	250.675	249.042	-1.633
1E+12	204	242.648	240.983	-1.665
5E+12	205	250.711	249.030	-1.681
5E+12	206	240.677	239.025	-1.652
5E+12	207	236.658	236.983	0.325
0	211	248.662	246.995	-1.667
	Max	250.711	249.042	0.325
	Average	242.378	241.000	-1.378
	Min	226.618	224.942	-1.681
	Std Dev	8.773	8.593	0.751



26.0_Current Limit with 100K CS Low

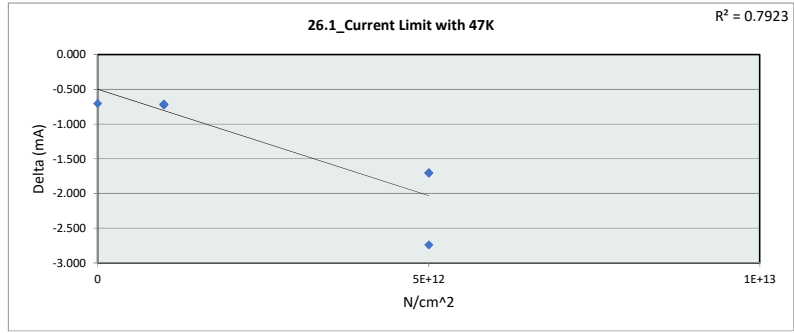
Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	3500 mA
Min Limit	200 mA

N/cm^2	0	1E+12	5E+12
LL	200.000	200.000	200.000
Min	246.995	224.942	236.983
Average	246.995	238.322	241.679
Max	246.995	249.042	249.030
UL	3500.000	3500.000	3500.000

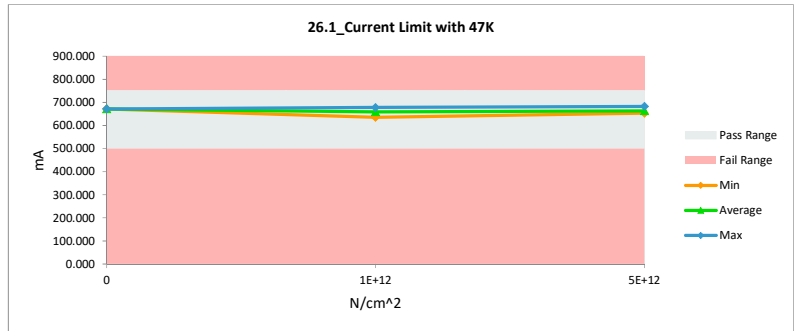


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26.1_Current Limit with 47K				
Test Site	Dallas		MTT	
Tester	ETS364		ETS364	
Test Number	EF5069		EF5069	
Unit	mA		mA	
Max Limit	750		750	
Min Limit	500		500	
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	636.174	635.461	-0.713
1E+12	203	678.412	677.692	-0.720
1E+12	204	665.356	664.630	-0.726
5E+12	205	684.426	682.718	-1.708
5E+12	206	657.311	654.570	-2.741
5E+12	207	654.277	652.576	-1.701
0	211	672.356	671.650	-0.706
	Max	684.426	682.718	-0.706
	Average	664.045	662.757	-1.288
	Min	636.174	635.461	-2.741
	Std Dev	16.382	16.431	0.792



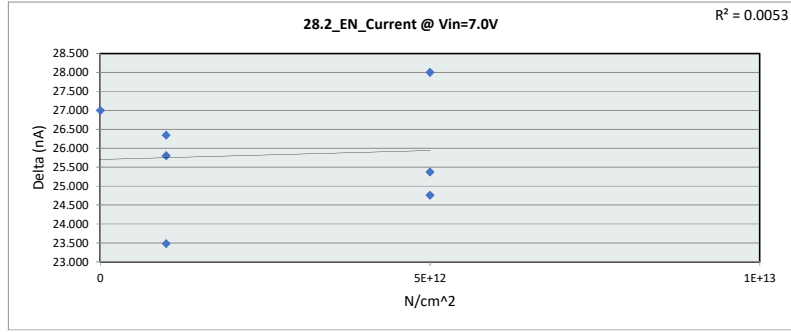
26.1_Current Limit with 47K			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	750 mA		
Min Limit	500 mA		
N/cm^2	0	1E+12	5E+12
LL	500.000	500.000	500.000
Min	671.650	635.461	652.576
Average	671.650	659.261	663.288
Max	671.650	677.692	682.718
UL	750.000	750.000	750.000



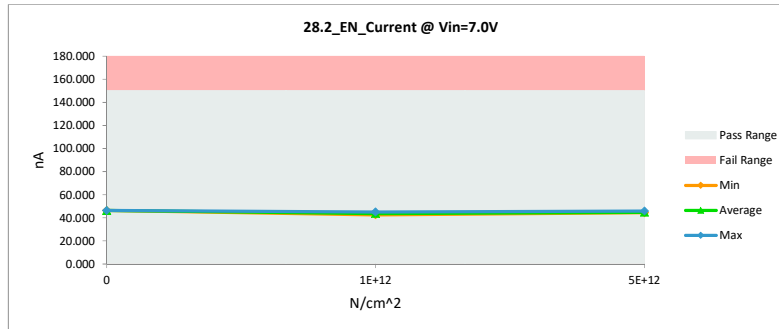
NDD Report
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28.2_EN_Current @ Vin=7.0V		
Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	150	150
Min Limit	0.001	0.001

N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	16.848	42.652	25.804
1E+12	203	18.630	44.977	26.347
1E+12	204	19.901	43.382	23.481
5E+12	205	18.912	44.286	25.374
5E+12	206	19.752	44.514	24.762
5E+12	207	17.884	45.889	28.005
0	211	19.375	46.376	27.001
	Max	19.901	46.376	28.005
	Average	18.757	44.582	25.825
	Min	16.848	42.652	23.481
	Std Dev	1.090	1.313	1.485



28.2_EN_Current @ Vin=7.0V			
Test Site	Dallas		
Tester	ETS364		
Test Number	EF5069		
Max Limit	150 nA		
Min Limit	0.001 nA		
N/cm^2	0	1E+12	5E+12
LL	0.001	0.001	0.001
Min	46.376	42.652	44.286
Average	46.376	43.670	44.896
Max	46.376	44.977	45.889
UL	150.000	150.000	150.000

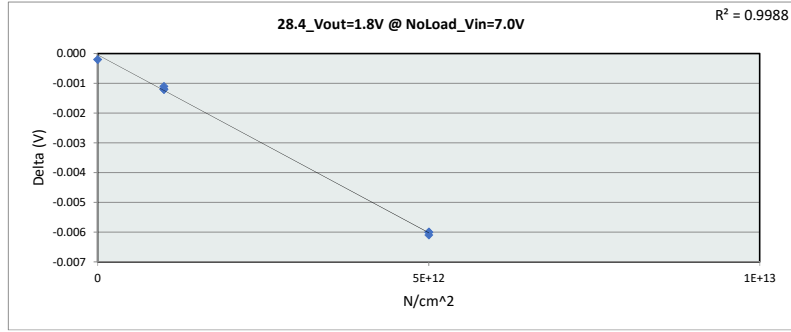


NDD Report
TPS7H1101A-SP

28.4_Vout=1.8V @ NoLoad_Vin=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8462	1.8462
Min Limit	1.7738	1.7738

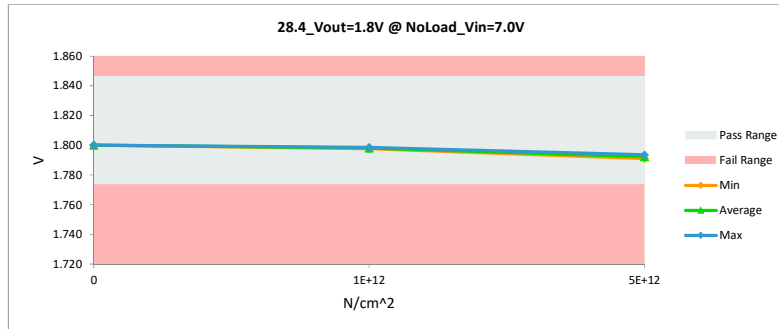
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.800	1.798	-0.001
1E+12	203	1.799	1.798	-0.001
1E+12	204	1.799	1.798	-0.001
5E+12	205	1.799	1.793	-0.006
5E+12	206	1.797	1.791	-0.006
5E+12	207	1.799	1.793	-0.006
0	211	1.800	1.800	0.000
	Max	1.800	1.800	0.000
	Average	1.799	1.796	-0.003
	Min	1.797	1.791	-0.006
	Std Dev	0.001	0.004	0.003



28.4_Vout=1.8V @ NoLoad_Vin=7.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.8462 V
Min Limit	1.7738 V

N/cm^2	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.800	1.798	1.791
Average	1.800	1.798	1.792
Max	1.800	1.799	1.794
UL	1.846	1.846	1.846

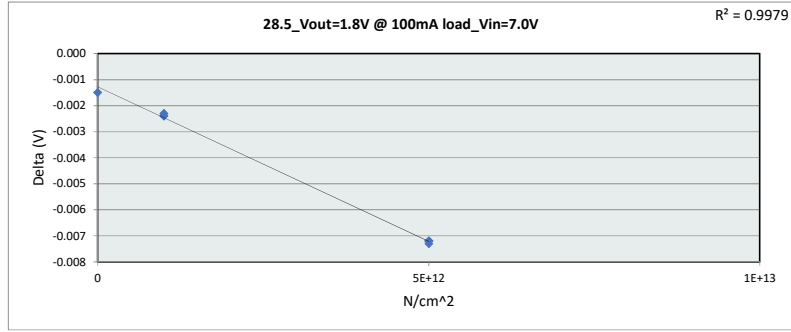


NDD Report
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28.5_Vout=1.8V @ 100mA load

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8462	1.8462
Min Limit	1.7738	1.7738

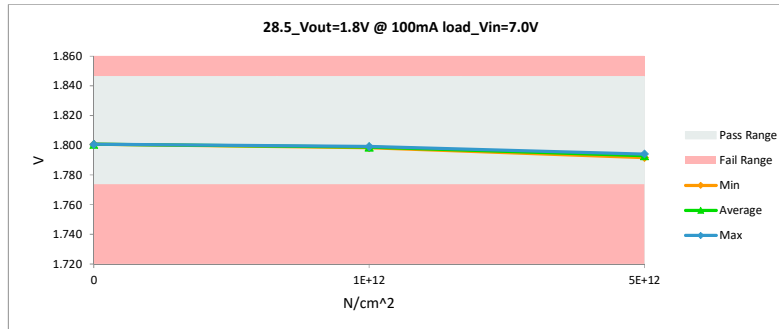
N/cm ²	Serial #	Pre	Post	Delta
1E+12	202	1.801	1.799	-0.002
1E+12	203	1.801	1.799	-0.002
1E+12	204	1.801	1.798	-0.002
5E+12	205	1.800	1.793	-0.007
5E+12	206	1.799	1.792	-0.007
5E+12	207	1.801	1.794	-0.007
0	211	1.802	1.801	-0.001
	Max	1.802	1.801	-0.001
	Average	1.801	1.797	-0.004
	Min	1.799	1.792	-0.007
	Std Dev	0.001	0.003	0.003



28.5_Vout=1.8V @ 100mA load_Vin=7.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.8462 V
Min Limit	1.7738 V

N/cm ²	0	1E+12	5E+12
LL	1.774	1.774	1.774
Min	1.801	1.798	1.792
Average	1.801	1.799	1.793
Max	1.801	1.799	1.794
UL	1.846	1.846	1.846

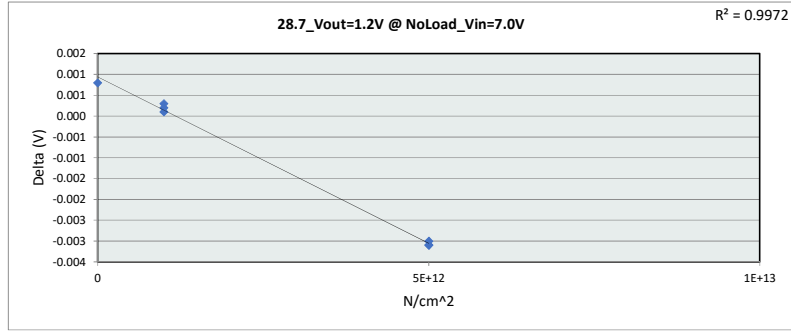


NDD Report
TPS7H1101A-SP

28.7_Vout=1.2V @ NoLoad_Vin=

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.2342	1.2342
Min Limit	1.1858	1.1858

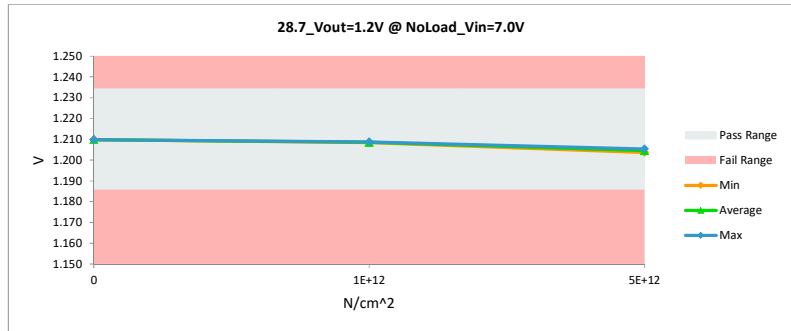
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.209	1.209	0.000
1E+12	203	1.208	1.209	0.000
1E+12	204	1.208	1.208	0.000
5E+12	205	1.208	1.205	-0.003
5E+12	206	1.207	1.204	-0.003
5E+12	207	1.208	1.205	-0.003
0	211	1.209	1.210	0.001
	Max	1.209	1.210	0.001
	Average	1.208	1.207	-0.001
	Min	1.207	1.204	-0.003
	Std Dev	0.001	0.002	0.002



28.7_Vout=1.2V @ NoLoad_Vin=7.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.2342
Min Limit	1.1858

N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.210	1.208	1.204
Average	1.210	1.209	1.205
Max	1.210	1.209	1.205
UL	1.234	1.234	1.234

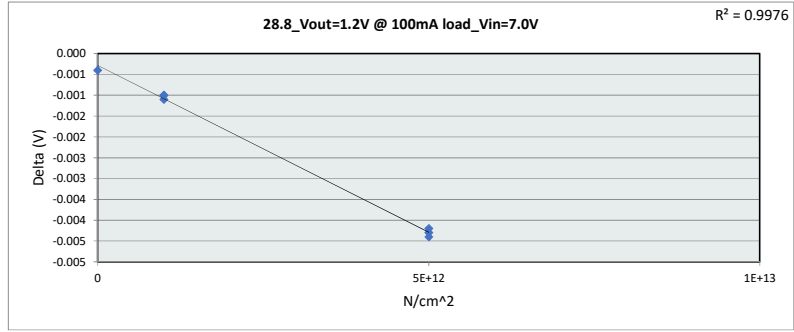


NDD Report
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28.8_Vout=1.2V @ 100mA load

Test Site	Dallas	MTT
Tester	ETS364	ETS364
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.2342	1.2342
Min Limit	1.1858	1.1858

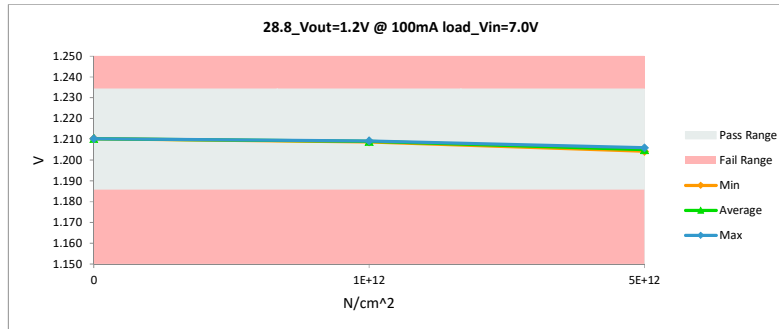
N/cm^2	Serial #	Pre	Post	Delta
1E+12	202	1.210	1.209	-0.001
1E+12	203	1.210	1.209	-0.001
1E+12	204	1.210	1.209	-0.001
5E+12	205	1.210	1.205	-0.004
5E+12	206	1.209	1.204	-0.004
5E+12	207	1.210	1.206	-0.004
0	211	1.211	1.210	0.000
	Max	1.211	1.210	0.000
	Average	1.210	1.208	-0.002
	Min	1.209	1.204	-0.004
	Std Dev	0.001	0.002	0.002



28.8_Vout=1.2V @ 100mA load_Vin=7.0V

Test Site	Dallas
Tester	ETS364
Test Number	EF5069
Max Limit	1.2342 V
Min Limit	1.1858 V

N/cm^2	0	1E+12	5E+12
LL	1.186	1.186	1.186
Min	1.210	1.209	1.204
Average	1.210	1.209	1.205
Max	1.210	1.209	1.206
UL	1.234	1.234	1.234



B Revision History

Changes from Revision * (May 2021) to Revision A (October 2023)	Page
• Corrected specification mapping in Section 5	5
• Corrected data set and limits in Test Results	7

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