

TPS7H1101-SP (5962-1320201VXC) Neutron Displacement Damage Characterization Test Report

ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TPS7H1101-SP device. The results show that all devices were fully functional and within production test limits after having been irradiated up to 1×10^{12} n/cm². A sample size of fifteen 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 1339A and assembly lot 3012576 MMT. Electrical testing was performed at Texas Instruments before and after neutron irradiation using the production test program for 5962-1320201VXC.

Contents

1	Overview	1
2	Test Procedures	2
3	Facility	3
4	Results	3
Appendix A	Test Results	4
Appendix B	Test Results	5

List of Figures

1	TPS7H1101-SP Device	2
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List of Tables

1	Overview Information.....	2
2	Neutron Irradiation Conditions	2
3	Test List	4

Trademarks

1 Overview

The TPS7H1101-SP is a low-dropout (LDO) regulator optimized for fast-transient response. The 5962-1320201VXC can supply 1.5 A of output current with a dropout voltage of 320 mV. Quiescent current is well controlled; it does not rise in dropout, as with many other regulators. In addition to fast transient response, the TPS7H1101-SP regulator has very-low output noise, making it ideal for sensitive RF-supply applications.

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

Table 1. Overview Information

TI Part Number	TPS7H1101-SP
SMD Number	5962-13202
Device Function	Ultra-Low Voltage Regulator
Die Name	RTPS7H1X01A1VM
Technology	LBC7
A/T Lot Number / Date Code	3012576MMT / 1339A
Biased Quantity Tested	0
Unbiased Quantity Tested	15
Exposure Facility	White Sands Missile Range
Neutron Fluence (1 MeV eqv.)	1.0×10^{12} n/cm ²
Irradiation Temperature	25°C
TI may provide technical, applications or design advice, quality characterization, and reliability data or service providing these items shall not expand or otherwise affect TI's warranties as set forth in the Texas Instruments Incorporated <i>Standard Terms and Conditions of Sale for Semiconductor Products</i> and no obligation or liability shall arise from Semiconductor Products and no obligation or liability shall arise from TI's provision of such items.	

2 Test Procedures

The TPS7H1101-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 TPS7H1101-SP as modified in [Table 2](#).

Table 2. Neutron Irradiation Conditions

Group	Sample Qty	Neutron Fluence (n/cm ²)	Bias
A	1	1.0×10^{12} n/cm ²	Unbiased



Figure 1. TPS7H1101-SP Device

3 Facility

The White Sands Missile Range Fast Burst Reactor (FBR) is an unmoderated, unreflected bare critical assembly of the Godiva II type. The FBR is extensively used for producing a nuclear environment which stimulates the neutron portion of a nuclear weapon. Military systems are exposed to this environment for testing and analysis of their response to a nuclear weapon. The primary system degradation at the FBR is produced by neutron interactions within the system. Most of the military systems tested use solid-state electronic devices. Neutron displacement and other neutron effects in the silicon devices cause the electronic degradation. The amount of damage produced by a neutron is a function of the neutron energy. The neutrons produced by the FBR have a continuous (fission) spectrum of energies. A complete characterization of this spectrum is essential in the evaluation of the nuclear effects on the system under evaluation. The fluences are calculated based on 1MeV equivalences.

At the following link, there is an additional paper that discusses questions concerning spectrum and dosimetry:

<http://oai.dtic.mil/oai/oai?verb=getRecord&metadataPrefix=html&identifier=ADA026167>

4 Results

The device passed all parametric measurements well within all data sheet limits for the exposure level 1.0×10^{12} n/cm². 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 [Appendix A](#). [Appendix B](#) has the graphs showing the drift between pre- and post-neutron radiation for these parameters.

The shutdown current parameter is reduced after the neutron exposure to a dose of 1.0×10^{12} n/cm². "11.3__Shutdown_Current_Vout=6.8V" is the shutdown current measurement for V_{IN} of 7 V and V_{OUT} at 6.8 V, which dropped by about 12% from its initial value.

Critical parameters such as line regulation and load regulation were well within data sheet limits with marginal drift. The load regulation parameter "25.9__Load_Reg @ Vout=1.2V_Vin=1.5V" changed by about 27% from 0.351 mV pre-neutron radiation to 0.444 mV after 1.0×10^{12} n/cm², but is well within the data sheet limit of 1.3 mV.

Test Results

Table 3 provides the list of tested parameters.

Table 3. Test List

Parameters		Test Conditions	TPS7H1101-SP Data Sheet SLVSD81A –January 2016–Revised February 2017				Test# or Name
Symbol	Description		MIN	TYP	MAX	Unit	
VFB	Feedback pin voltage	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$	0.594	0.605	0.616	V	13.16, 13.17, 25.17, 25.20
VOUT	Output voltage range		0.8		$V_{IN} - 0.35$	V	13.10, 13.11, 13.1, 13.2
	Output voltage accuracy	$0\text{ A} \leq I_{OUT} \leq 1\text{ A}$, $1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 0.8\text{ V}$, 1.2 V , 1.8 V	-2		2	%	25.1, 25.5, 28.1, 28.5
$\frac{\Delta V_{OUT}\%}{\Delta V_{IN}}$	Line regulation	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$	-0.07	0.01	0.07	% / V	13.3, 13.12, 13.15
ΔV_O	DC input line regulation	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 0.8\text{ V}$, $I_{OUT} = 10\text{ mA}$, $T_J = 25^\circ\text{C}$		0.2	0.6	mV	13.19
		$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 1.2\text{ V}$, $I_{OUT} = 10\text{ mA}$, $T_J = 25^\circ\text{C}$		0.2	0.6	mV	13.21
		$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$, $V_{OUT} = 1.8\text{ V}$, $I_{OUT} = 10\text{ mA}$, $T_J = 25^\circ\text{C}$		0.2	0.6	mV	13.20
ΔV_O	DC output load regulation	$V_{OUT} = 0.8\text{ V}$, $0 \leq I_{Load} \leq 1\text{ A}$, $T_J = 25^\circ\text{C}$		0.6	1.1	mV	25.3
		$V_{OUT} = 1.2\text{ V}$, $0 \leq I_{Load} \leq 1\text{ A}$, $T_J = 25^\circ\text{C}$		0.5	1.3	mV	25.9
		$V_{OUT} = 1.8\text{ V}$, $0 \leq I_{Load} \leq 1\text{ A}$, $T_J = 25^\circ\text{C}$		0.3	0.9	mV	25.6
VDO	Dropout voltage	$I_{OUT} = 1\text{ A}$, $V_{OUT} = 1.3\text{ V}$		210	335	mV	13.6
ICL	Programmable output current limit range	$V_{IN} = 1.5\text{ V}$, $V_{OUT} = 1.2\text{ V}$, PCL resistance = 47 k Ω	500		750	mA	26.1
		$V_{IN} = 1.5\text{ V}$, $V_{OUT} = 1.2\text{ V}$, PCL resistance varies	200			mA	26.0
VCS	Operating voltage range at CS		0.3		V_{IN}	V	26.3, 26.4, 26.5
CSR	Current sense ratio	I_{Load} / I_{CS} , $V_{IN} = 2.3\text{ V}$, $V_{OUT} = 1.9\text{ V}$		47934			20.5, 20.9
IGND	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
IQ	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
ISHDN	Shutdown current (IGND)	$V_{EN} < 0.5\text{ V}$, $1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$		26	230	μA	11.0
							11.1
							11.2
							11.3
ISNS, IFB	FB/SNS pin current	$V_{IN} = 7\text{ V}$, $V_{OUT} = 6.65\text{ V}$		1	5	nA	19.0
IEN	EN pin input current	$V_{IN} = 7\text{ V}$, $V_{EN} = 7\text{ V}$		20	150	nA	14.3, 15.3, 25.2, 28.2
VILEN	EN pin input low (disable)	$3.5\text{ V} < V_{IN} < 7\text{ V}$		$0.35 \times V_{IN}$		V	14.0, 15.0, 16.0
VIHEN	EN pin input high (enable)	$3.5\text{ V} < V_{IN} < 7\text{ V}$		$0.75 \times V_{IN}$		V	14.1, 15.1, 16.1
Eprop Dly	Enable pin propagation delay	$V_{IN} = 2.2\text{ V}$, EN rise to IOUTrise		650	1000	μs	20.1
TEN	Enable pin turn-on delay	$V_{IN} = 2.2\text{ V}$, $V_{OUT} = 1.8\text{ V}$, $I_{Load} = 0.5\text{ A}$, $C_{OUT} = 220\text{ }\mu\text{F}$, $C_{SS} = 2\text{ nF}$		1.4	1.6	mS	20.0
VTHPG	PG threshold on	No load	86	90		%	17.1, 17.5
VTHPGHYS	PG hysteresis	$1.5\text{ V} \leq V_{IN} \leq 7\text{ V}$		2		%	22.9, 27.2, 27.5
VOLPG	PG pin output low	IPG = -1 mA		120	400	mV	17.2, 17.3
ILKGP	PG pin leakage current	$V_{OUT} > V_{THPG}$, $V_{PG} = 7\text{ V}$		0.5	2.5	μA	23.0
ISS	SS pin current	$V_{SS} = 1.5\text{ V to } 7\text{ V}$		2.5	3.5	μA	21.0, 22.0

Test Results

[Appendix B](#) shows the detailed test results.

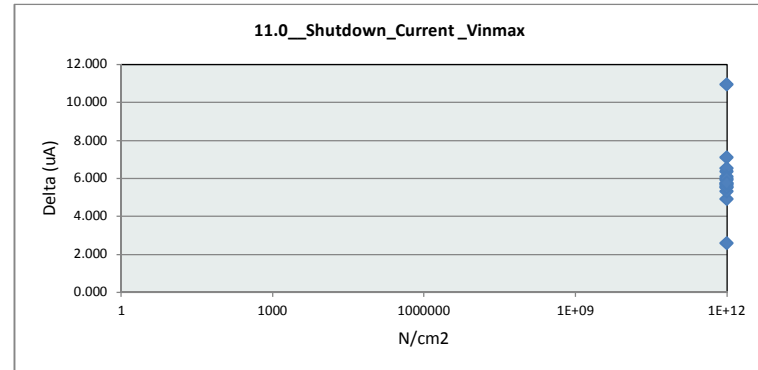
NDD Report - Parametric Drift Graphs

TPS7H1101-SP

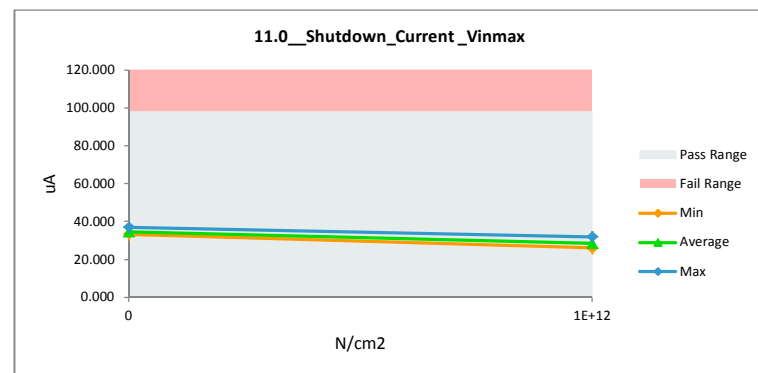
NDD Report - Parametric Drift Graphs TPS7H1101-SP

11.0 Shutdown Current_Vinmax		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	98	98
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	34.977	34.977	0.000
0	115	35.262	35.262	0.000
0	116	36.930	36.930	0.000
0	117	33.328	33.328	0.000
0	118	33.659	33.659	0.000
0	101	36.792	36.792	0.000
0	103	34.814	34.814	0.000
0	104	33.823	33.823	0.000
0	105	34.527	34.527	0.000
0	106	34.602	34.602	0.000
0	107	33.980	33.980	0.000
0	108	33.709	33.709	0.000
0	109	33.169	33.169	0.000
0	111	33.319	33.319	0.000
0	113	34.274	34.274	0.000
1E+12	214	34.977	28.623	6.354
1E+12	215	35.262	28.157	7.105
1E+12	216	36.930	26.000	10.930
1E+12	217	33.328	26.808	6.520
1E+12	218	33.659	27.733	5.926
1E+12	201	36.792	30.725	6.067
1E+12	203	34.814	29.905	4.909
1E+12	204	33.823	28.502	5.321
1E+12	205	34.527	31.956	2.571
1E+12	206	34.602	28.959	5.643
1E+12	207	33.980	27.993	5.987
1E+12	208	33.709	28.197	5.512
1E+12	209	33.169	27.612	5.557
1E+12	211	33.319	27.612	5.707
1E+12	213	34.274	28.541	5.733
	Max	36.930	36.930	10.930
	Average	34.478	31.483	2.995
	Min	33.169	26.000	0.000
	Std Dev	1.136	3.315	3.265



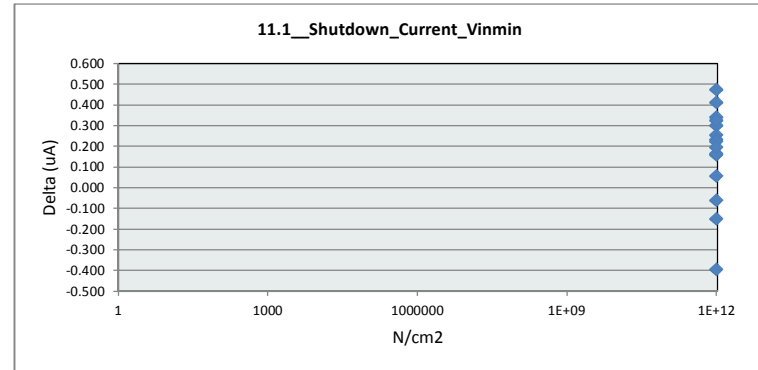
11.0 Shutdown Current_Vinmax		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	98	uA
Min Limit	0.5	uA
N/cm2	0	1E+12
LL	0.500	0.500
Min	33.169	26.000
Average	34.478	28.488
Max	36.930	31.956
UL	98.000	98.000



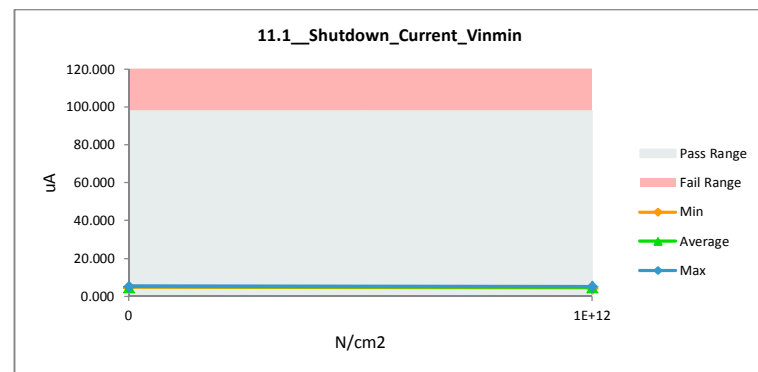
NDD Report - Parametric Drift Graphs TPS7H1101-SP

11.1 Shutdown Current_Vinmin		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	98	98
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	5.162	5.162	0.000
0	115	4.845	4.845	0.000
0	116	5.123	5.123	0.000
0	117	4.640	4.640	0.000
0	118	4.800	4.800	0.000
0	101	5.025	5.025	0.000
0	103	5.044	5.044	0.000
0	104	4.729	4.729	0.000
0	105	5.129	5.129	0.000
0	106	5.144	5.144	0.000
0	107	5.158	5.158	0.000
0	108	5.095	5.095	0.000
0	109	4.801	4.801	0.000
0	111	5.135	5.135	0.000
0	113	5.346	5.346	0.000
1E+12	214	5.162	4.819	0.343
1E+12	215	4.845	4.687	0.159
1E+12	216	5.123	4.648	0.475
1E+12	217	4.640	4.337	0.303
1E+12	218	4.800	4.950	-0.150
1E+12	201	5.025	4.967	0.058
1E+12	203	5.044	4.788	0.256
1E+12	204	4.729	4.494	0.235
1E+12	205	5.129	4.964	0.165
1E+12	206	5.144	4.920	0.224
1E+12	207	5.158	4.831	0.327
1E+12	208	5.095	4.899	0.196
1E+12	209	4.801	5.195	-0.394
1E+12	211	5.135	5.195	-0.060
1E+12	213	5.346	4.934	0.412
	Max	5.346	5.346	0.475
	Average	5.012	4.927	0.085
	Min	4.640	4.337	-0.394
	Std Dev	0.196	0.229	0.180



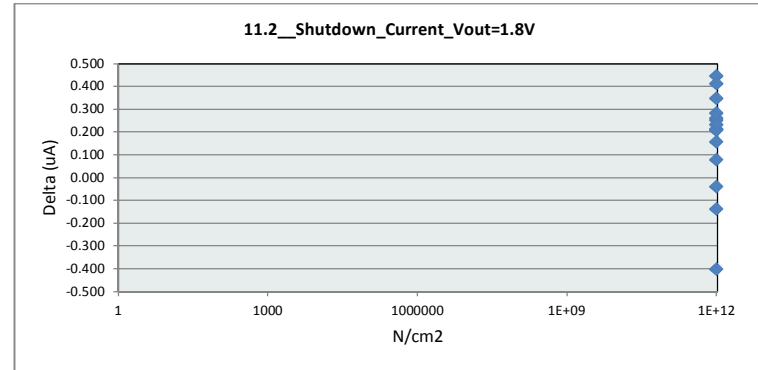
11.1 Shutdown Current_Vinmin		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	98	uA
Min Limit	0.5	uA
N/cm2	0	1E+12
LL	0.500	0.500
Min	4.640	4.337
Average	5.012	4.842
Max	5.346	5.195
UL	98.000	98.000



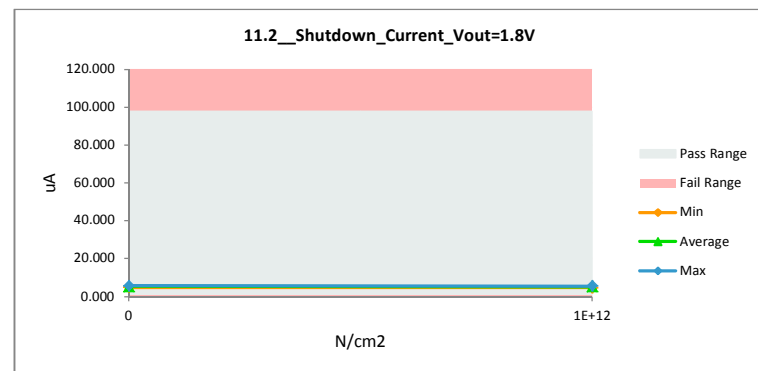
NDD Report - Parametric Drift Graphs TPS7H1101-SP

11.2 Shutdown Current Vout=1.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	98	98
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	5.442	5.442	0.000
0	115	5.125	5.125	0.000
0	116	5.360	5.360	0.000
0	117	4.910	4.910	0.000
0	118	5.043	5.043	0.000
0	101	5.308	5.308	0.000
0	103	5.301	5.301	0.000
0	104	4.990	4.990	0.000
0	105	5.387	5.387	0.000
0	106	5.421	5.421	0.000
0	107	5.403	5.403	0.000
0	108	5.369	5.369	0.000
0	109	5.075	5.075	0.000
0	111	5.439	5.439	0.000
0	113	5.617	5.617	0.000
1E+12	214	5.442	5.095	0.347
1E+12	215	5.125	4.918	0.207
1E+12	216	5.360	4.915	0.445
1E+12	217	4.910	4.650	0.260
1E+12	218	5.043	5.184	-0.141
1E+12	201	5.308	5.230	0.078
1E+12	203	5.301	5.088	0.213
1E+12	204	4.990	4.780	0.209
1E+12	205	5.387	5.233	0.154
1E+12	206	5.421	5.168	0.253
1E+12	207	5.403	5.121	0.282
1E+12	208	5.369	5.138	0.231
1E+12	209	5.075	5.479	-0.404
1E+12	211	5.439	5.479	-0.040
1E+12	213	5.617	5.205	0.412
	Max	5.617	5.617	0.445
	Average	5.279	5.196	0.084
	Min	4.910	4.650	-0.404
	Std Dev	0.198	0.227	0.175



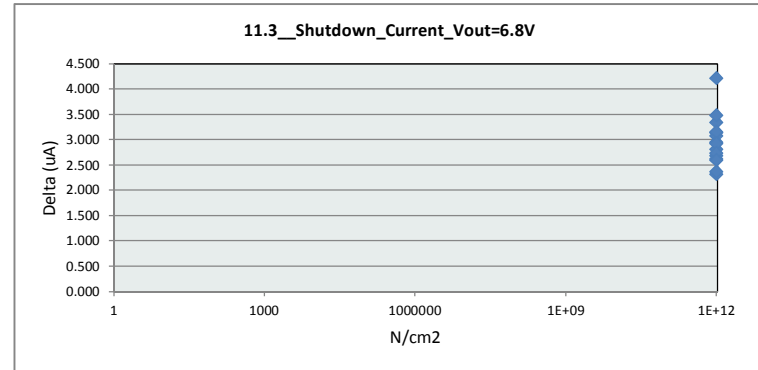
11.2 Shutdown Current Vout=1.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	98	uA
Min Limit	0.5	uA
N/cm2	0	1E+12
LL	0.500	0.500
Min	4.910	4.650
Average	5.279	5.112
Max	5.617	5.479
UL	98.000	98.000



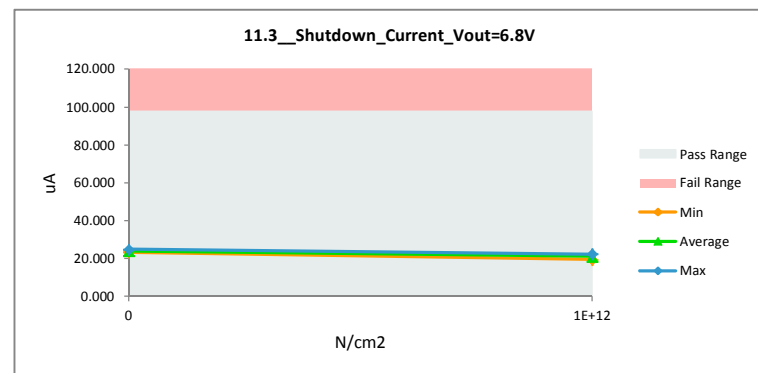
NDD Report - Parametric Drift Graphs TPS7H1101-SP

11.3 Shutdown Current Vout=6.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	98	98
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	24.366	24.366	0.000
0	115	24.140	24.140	0.000
0	116	23.746	23.746	0.000
0	117	23.446	23.446	0.000
0	118	23.853	23.853	0.000
0	101	24.650	24.650	0.000
0	103	24.317	24.317	0.000
0	104	23.744	23.744	0.000
0	105	24.516	24.516	0.000
0	106	24.522	24.522	0.000
0	107	23.655	23.655	0.000
0	108	24.231	24.231	0.000
0	109	23.741	23.741	0.000
0	111	23.602	23.602	0.000
0	113	24.871	24.871	0.000
1E+12	214	24.366	21.223	3.143
1E+12	215	24.140	21.062	3.078
1E+12	216	23.746	19.529	4.217
1E+12	217	23.446	20.104	3.342
1E+12	218	23.853	21.173	2.680
1E+12	201	24.650	22.338	2.313
1E+12	203	24.317	21.699	2.618
1E+12	204	23.744	20.927	2.817
1E+12	205	24.516	22.152	2.364
1E+12	206	24.522	21.567	2.955
1E+12	207	23.655	20.497	3.158
1E+12	208	24.231	21.305	2.926
1E+12	209	23.741	21.007	2.734
1E+12	211	23.602	21.007	2.595
1E+12	213	24.871	21.386	3.485
Max		24.871	24.871	4.217
Average		24.093	22.613	1.481
Min		23.446	19.529	0.000
Std Dev		0.432	1.616	1.543



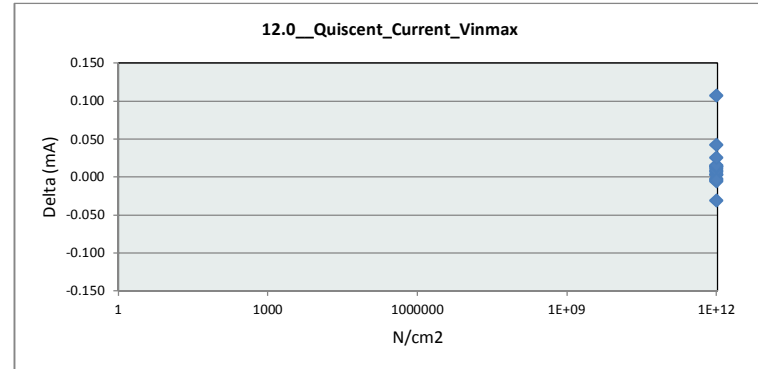
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Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	98	uA
Min Limit	0.5	uA
N/cm2	0	1E+12
LL	0.500	0.500
Min	23.446	19.529
Average	24.093	21.132
Max	24.871	22.338
UL	98.000	98.000



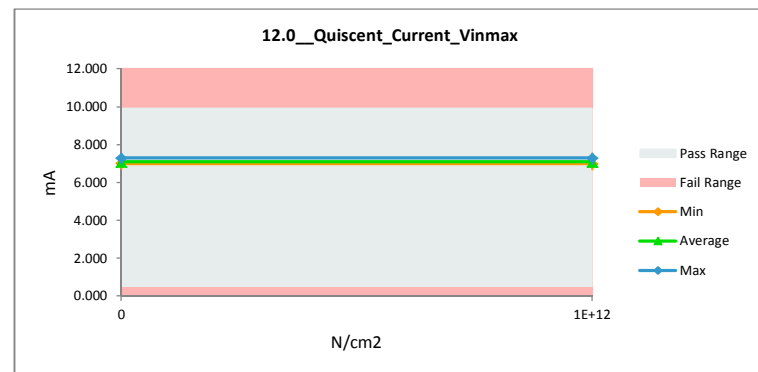
NDD Report - Parametric Drift Graphs TPS7H1101-SP

12.0_ Quiscent Current_Vinmax		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	9.9	9.9
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	7.003	7.003	0.000
0	115	7.135	7.135	0.000
0	116	7.298	7.298	0.000
0	117	7.146	7.146	0.000
0	118	7.126	7.126	0.000
0	101	7.047	7.047	0.000
0	103	7.143	7.143	0.000
0	104	7.002	7.002	0.000
0	105	7.089	7.089	0.000
0	106	6.998	6.998	0.000
0	107	6.996	6.996	0.000
0	108	7.161	7.161	0.000
0	109	7.126	7.126	0.000
0	111	7.016	7.016	0.000
0	113	7.112	7.112	0.000
1E+12	214	7.003	6.999	0.004
1E+12	215	7.135	7.137	-0.002
1E+12	216	7.298	7.295	0.003
1E+12	217	7.146	7.139	0.007
1E+12	218	7.126	7.156	-0.030
1E+12	201	7.047	7.052	-0.005
1E+12	203	7.143	7.131	0.012
1E+12	204	7.002	6.993	0.009
1E+12	205	7.089	7.075	0.014
1E+12	206	6.998	6.984	0.014
1E+12	207	6.996	6.980	0.016
1E+12	208	7.161	7.135	0.026
1E+12	209	7.126	7.019	0.107
1E+12	211	7.016	7.019	-0.003
1E+12	213	7.112	7.070	0.042
	Max	7.298	7.298	0.107
	Average	7.093	7.086	0.007
	Min	6.996	6.980	-0.030
	Std Dev	0.083	0.084	0.022



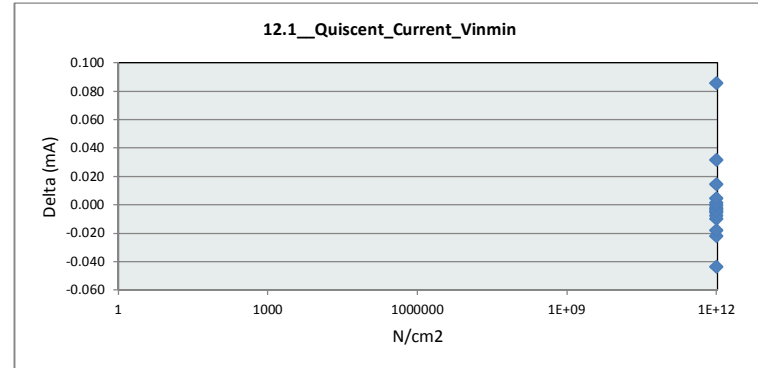
12.0_ Quiscent Current_Vinmax		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	9.9	mA
Min Limit	0.5	mA
N/cm2	0	1E+12
LL	0.500	0.500
Min	6.996	6.980
Average	7.093	7.079
Max	7.298	7.295
UL	9.900	9.900



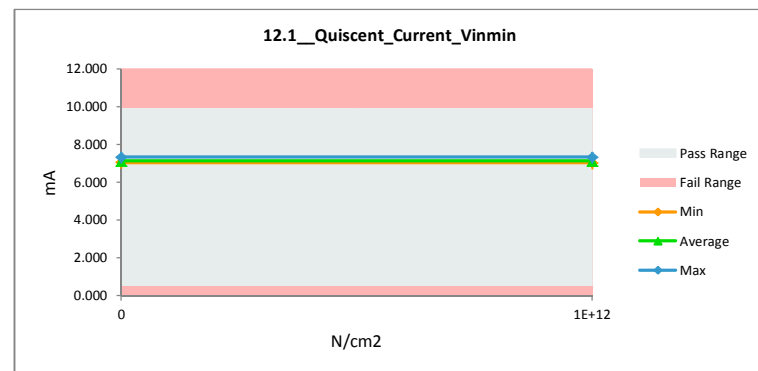
NDD Report - Parametric Drift Graphs TPS7H1101-SP

12.1_ Quiscent Current_Vinmin		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	9.9	9.9
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	7.058	7.058	0.000
0	115	7.189	7.189	0.000
0	116	7.340	7.340	0.000
0	117	7.194	7.194	0.000
0	118	7.177	7.177	0.000
0	101	7.096	7.096	0.000
0	103	7.188	7.188	0.000
0	104	7.053	7.053	0.000
0	105	7.134	7.134	0.000
0	106	7.050	7.050	0.000
0	107	7.050	7.050	0.000
0	108	7.214	7.214	0.000
0	109	7.175	7.175	0.000
0	111	7.071	7.071	0.000
0	113	7.163	7.163	0.000
1E+12	214	7.058	7.063	-0.005
1E+12	215	7.189	7.199	-0.010
1E+12	216	7.340	7.348	-0.008
1E+12	217	7.194	7.197	-0.003
1E+12	218	7.177	7.220	-0.043
1E+12	201	7.096	7.118	-0.022
1E+12	203	7.188	7.190	-0.002
1E+12	204	7.053	7.057	-0.004
1E+12	205	7.134	7.134	0.000
1E+12	206	7.050	7.049	0.001
1E+12	207	7.050	7.045	0.005
1E+12	208	7.214	7.199	0.015
1E+12	209	7.175	7.089	0.086
1E+12	211	7.071	7.089	-0.018
1E+12	213	7.163	7.131	0.032
Max		7.340	7.348	0.086
Average		7.143	7.143	0.001
Min		7.050	7.045	-0.043
Std Dev		0.080	0.081	0.020



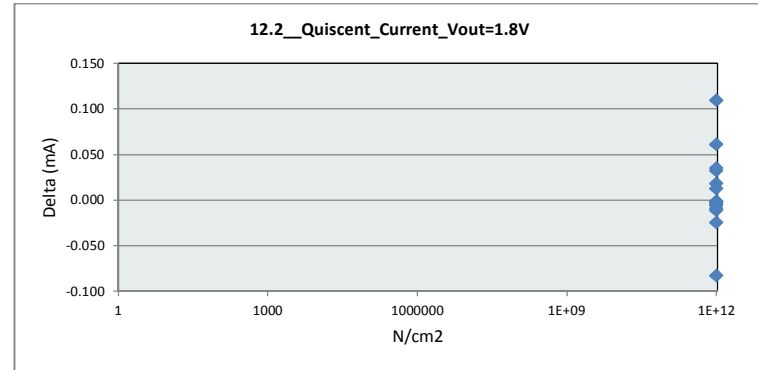
12.1_ Quiscent Current_Vinmin		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	9.9	mA
Min Limit	0.5	mA
N/cm2	0	1E+12
LL	0.500	0.500
Min	7.050	7.045
Average	7.143	7.142
Max	7.340	7.348
UL	9.900	9.900



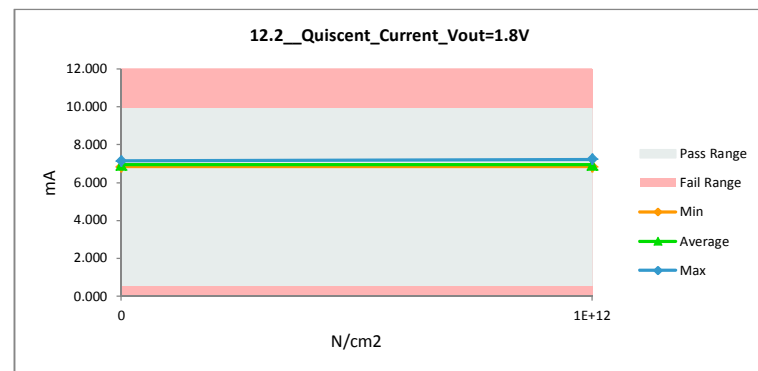
NDD Report - Parametric Drift Graphs TPS7H1101-SP

12.2_ Quiscent Current_Vout=1.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	9.9	9.9
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	6.861	6.861	0.000
0	115	7.011	7.011	0.000
0	116	7.150	7.150	0.000
0	117	7.017	7.017	0.000
0	118	7.001	7.001	0.000
0	101	6.909	6.909	0.000
0	103	7.019	7.019	0.000
0	104	6.859	6.859	0.000
0	105	6.945	6.945	0.000
0	106	6.852	6.852	0.000
0	107	6.840	6.840	0.000
0	108	7.031	7.031	0.000
0	109	6.993	6.993	0.000
0	111	6.875	6.875	0.000
0	113	6.990	6.990	0.000
1E+12	214	6.861	6.862	-0.001
1E+12	215	7.011	6.993	0.018
1E+12	216	7.150	7.233	-0.082
1E+12	217	7.017	7.023	-0.005
1E+12	218	7.001	7.026	-0.025
1E+12	201	6.909	6.920	-0.011
1E+12	203	7.019	6.987	0.032
1E+12	204	6.859	6.861	-0.002
1E+12	205	6.945	6.933	0.012
1E+12	206	6.852	6.853	-0.001
1E+12	207	6.840	6.844	-0.004
1E+12	208	7.031	6.996	0.035
1E+12	209	6.993	6.884	0.109
1E+12	211	6.875	6.884	-0.009
1E+12	213	6.990	6.929	0.061
	Max	7.150	7.233	0.109
	Average	6.957	6.953	0.004
	Min	6.840	6.840	-0.082
	Std Dev	0.087	0.094	0.030



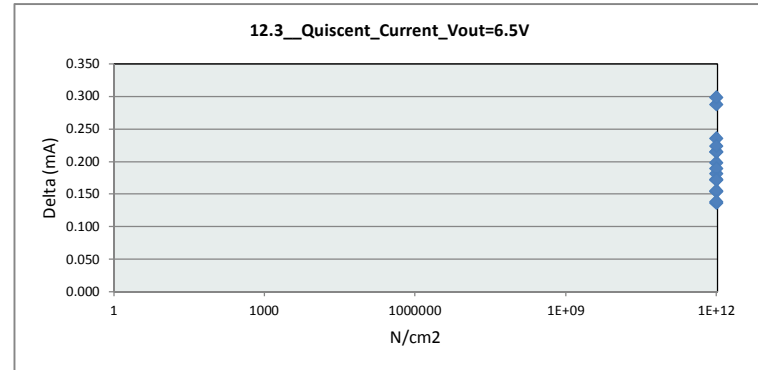
12.2_ Quiscent Current_Vout=1.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	9.9	mA
Min Limit	0.5	mA
N/cm2	0	1E+12
LL	0.500	0.500
Min	6.840	6.844
Average	6.957	6.949
Max	7.151	7.233
UL	9.900	9.900



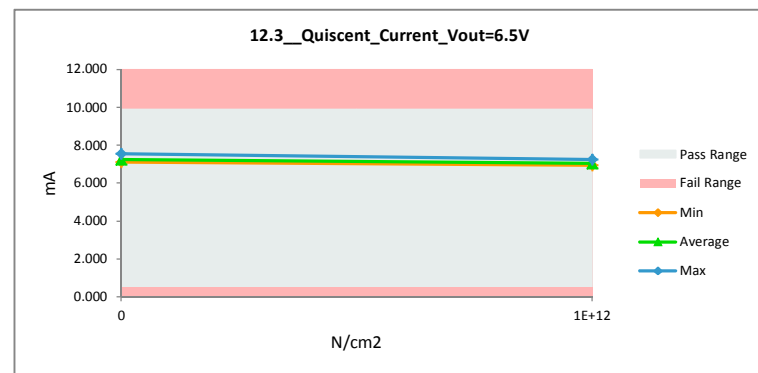
NDD Report - Parametric Drift Graphs TPS7H1101-SP

12.3_ Quiscent Current_Vout=6.5V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	9.9	9.9
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	7.142	7.142	0.000
0	115	7.301	7.301	0.000
0	116	7.551	7.551	0.000
0	117	7.324	7.324	0.000
0	118	7.298	7.298	0.000
0	101	7.207	7.207	0.000
0	103	7.350	7.350	0.000
0	104	7.148	7.148	0.000
0	105	7.251	7.251	0.000
0	106	7.128	7.128	0.000
0	107	7.117	7.117	0.000
0	108	7.351	7.351	0.000
0	109	7.298	7.298	0.000
0	111	7.138	7.138	0.000
0	113	7.267	7.267	0.000
1E+12	214	7.142	6.960	0.182
1E+12	215	7.301	7.103	0.198
1E+12	216	7.551	7.264	0.287
1E+12	217	7.324	7.135	0.189
1E+12	218	7.298	7.161	0.137
1E+12	201	7.207	7.053	0.154
1E+12	203	7.350	7.115	0.235
1E+12	204	7.148	6.976	0.172
1E+12	205	7.251	7.036	0.215
1E+12	206	7.128	6.973	0.155
1E+12	207	7.117	6.945	0.172
1E+12	208	7.351	7.136	0.215
1E+12	209	7.298	7.000	0.298
1E+12	211	7.138	7.000	0.138
1E+12	213	7.267	7.044	0.223
	Max	7.551	7.551	0.298
	Average	7.258	7.159	0.099
	Min	7.117	6.945	0.000
	Std Dev	0.115	0.144	0.106



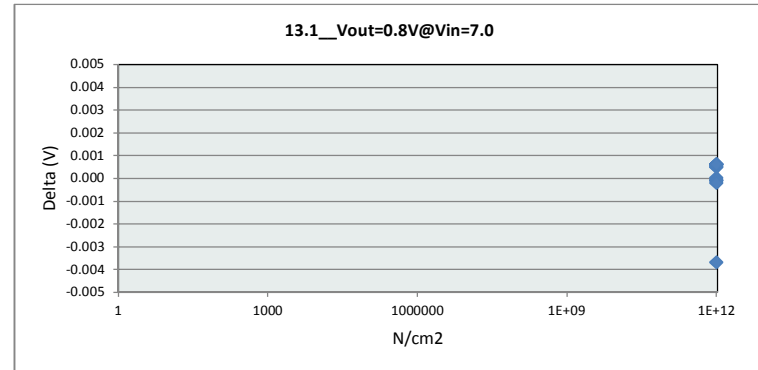
12.3_ Quiscent Current_Vout=6.5V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	9.9	mA
Min Limit	0.5	mA
N/cm2	0	1E+12
LL	0.500	0.500
Min	7.117	6.945
Average	7.258	7.060
Max	7.551	7.264
UL	9.900	9.900



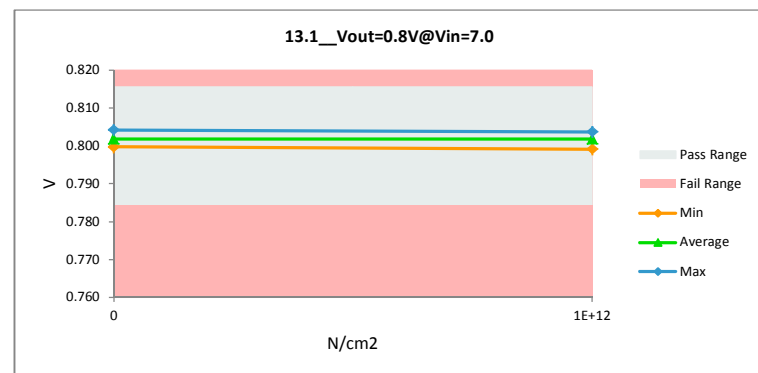
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.1_Vout=0.8V@Vin=7.0		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.8156	0.8156
Min Limit	0.7844	0.7844

N/cm2	Serial #	Pre	Post	Delta
0	114	0.801	0.801	0.000
0	115	0.801	0.801	0.000
0	116	0.801	0.801	0.000
0	117	0.803	0.803	0.000
0	118	0.801	0.801	0.000
0	101	0.802	0.802	0.000
0	103	0.802	0.802	0.000
0	104	0.800	0.800	0.000
0	105	0.802	0.802	0.000
0	106	0.802	0.802	0.000
0	107	0.804	0.804	0.000
0	108	0.800	0.800	0.000
0	109	0.800	0.800	0.000
0	111	0.804	0.804	0.000
0	113	0.803	0.803	0.000
1E+12	214	0.801	0.801	0.000
1E+12	215	0.801	0.801	0.000
1E+12	216	0.801	0.801	0.000
1E+12	217	0.803	0.804	0.000
1E+12	218	0.801	0.801	0.000
1E+12	201	0.802	0.801	0.001
1E+12	203	0.802	0.802	0.001
1E+12	204	0.800	0.799	0.001
1E+12	205	0.802	0.802	0.001
1E+12	206	0.802	0.802	0.001
1E+12	207	0.804	0.804	0.001
1E+12	208	0.800	0.799	0.001
1E+12	209	0.800	0.803	-0.004
1E+12	211	0.804	0.803	0.001
1E+12	213	0.803	0.803	0.001
	Max	0.804	0.804	0.001
	Average	0.802	0.802	0.000
	Min	0.800	0.799	-0.004
	Std Dev	0.001	0.001	0.001



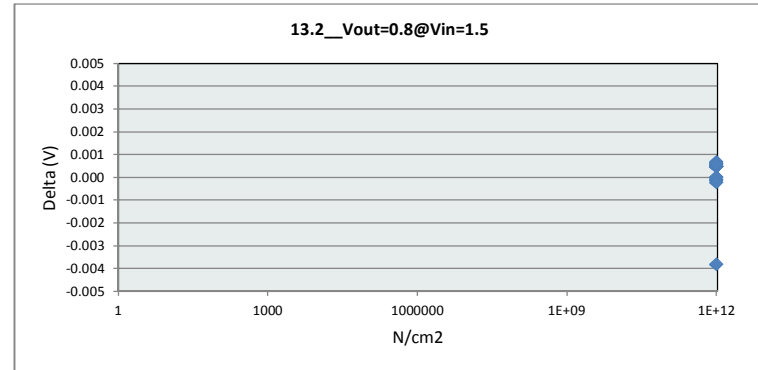
13.1_Vout=0.8V@Vin=7.0		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.8156	V
Min Limit	0.7844	V
N/cm2	0	1E+12
LL	0.784	0.784
Min	0.800	0.799
Average	0.802	0.802
Max	0.804	0.804
UL	0.816	0.816



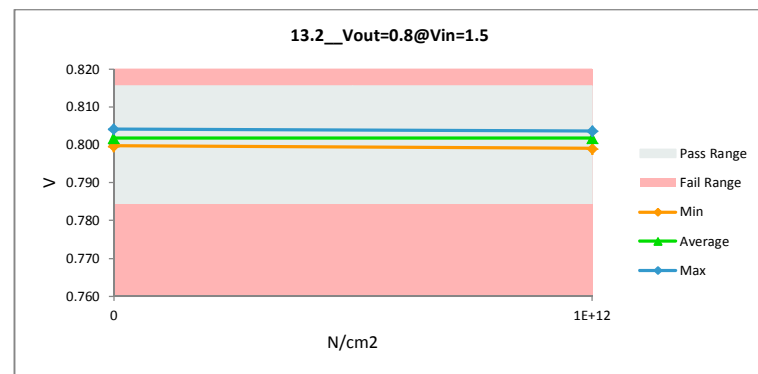
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.2_Vout=0.8@Vin=1.5		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.8156	0.8156
Min Limit	0.7844	0.7844

N/cm2	Serial #	Pre	Post	Delta
0	114	0.801	0.801	0.000
0	115	0.801	0.801	0.000
0	116	0.801	0.801	0.000
0	117	0.804	0.804	0.000
0	118	0.801	0.801	0.000
0	101	0.802	0.802	0.000
0	103	0.802	0.802	0.000
0	104	0.800	0.800	0.000
0	105	0.802	0.802	0.000
0	106	0.802	0.802	0.000
0	107	0.804	0.804	0.000
0	108	0.800	0.800	0.000
0	109	0.800	0.800	0.000
0	111	0.804	0.804	0.000
0	113	0.803	0.803	0.000
1E+12	214	0.801	0.801	0.000
1E+12	215	0.801	0.801	0.000
1E+12	216	0.801	0.801	0.000
1E+12	217	0.804	0.804	0.000
1E+12	218	0.801	0.801	0.000
1E+12	201	0.802	0.801	0.001
1E+12	203	0.802	0.802	0.001
1E+12	204	0.800	0.799	0.001
1E+12	205	0.802	0.802	0.001
1E+12	206	0.802	0.802	0.000
1E+12	207	0.804	0.804	0.001
1E+12	208	0.800	0.799	0.001
1E+12	209	0.800	0.803	-0.004
1E+12	211	0.804	0.803	0.001
1E+12	213	0.803	0.803	0.001
	Max	0.804	0.804	0.001
	Average	0.802	0.802	0.000
	Min	0.800	0.799	-0.004
	Std Dev	0.001	0.001	0.001



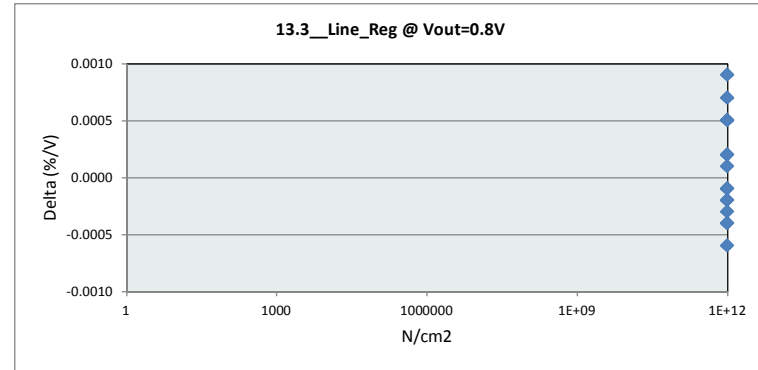
13.2_Vout=0.8@Vin=1.5		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.8156	V
Min Limit	0.7844	V
N/cm2	0	1E+12
LL	0.784	0.784
Min	0.800	0.799
Average	0.802	0.802
Max	0.804	0.804
UL	0.816	0.816



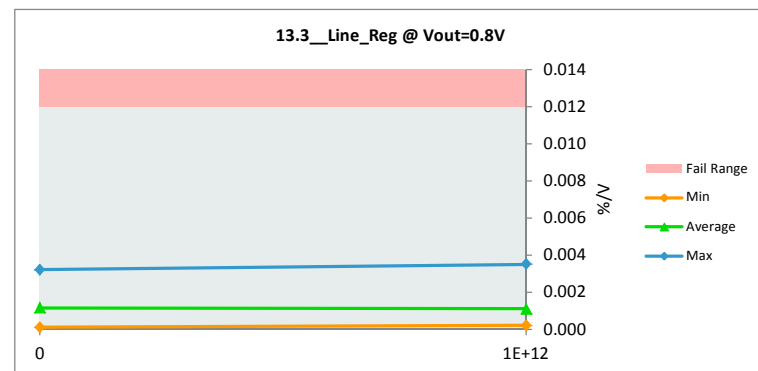
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.3 Line_Reg @ Vout=0.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%/V	%/V
Max Limit	0.012	0.012
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.000	0.000	0.000
0	115	0.001	0.001	0.000
0	116	0.001	0.001	0.000
0	117	0.000	0.000	0.000
0	118	0.002	0.002	0.000
0	101	0.001	0.001	0.000
0	103	0.002	0.002	0.000
0	104	0.002	0.002	0.000
0	105	0.001	0.001	0.000
0	106	0.003	0.003	0.000
0	107	0.001	0.001	0.000
0	108	0.002	0.002	0.000
0	109	0.001	0.001	0.000
0	111	0.000	0.000	0.000
0	113	0.002	0.002	0.000
1E+12	214	0.000	0.000	0.000
1E+12	215	0.001	0.000	0.000
1E+12	216	0.001	0.001	0.000
1E+12	217	0.000	0.000	0.000
1E+12	218	0.002	0.002	0.000
1E+12	201	0.001	0.001	0.000
1E+12	203	0.002	0.002	0.000
1E+12	204	0.002	0.001	0.001
1E+12	205	0.001	0.002	-0.001
1E+12	206	0.003	0.004	0.000
1E+12	207	0.001	0.000	0.000
1E+12	208	0.002	0.001	0.000
1E+12	209	0.001	0.000	0.001
1E+12	211	0.000	0.000	0.000
1E+12	213	0.002	0.001	0.001
Max		0.003	0.004	0.001
Average		0.001	0.001	0.000
Min		0.000	0.000	-0.001
Std Dev		0.001	0.001	0.000



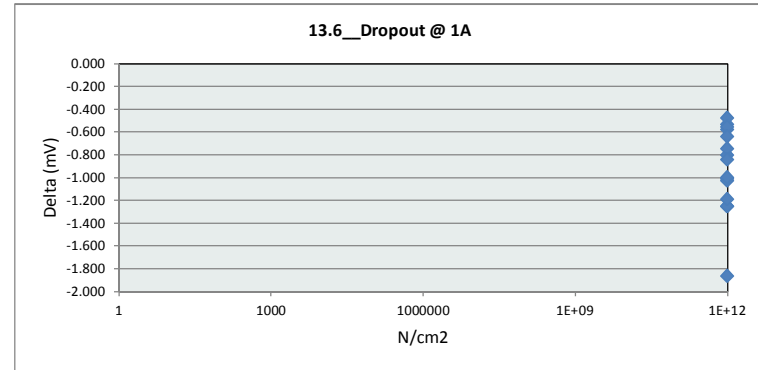
13.3 Line_Reg @ Vout=0.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.012	%/V
Min Limit		%/V
N/cm2	0	1E+12
LL		
Min	0.000	0.000
Average	0.001	0.001
Max	0.003	0.004
UL	0.012	0.012



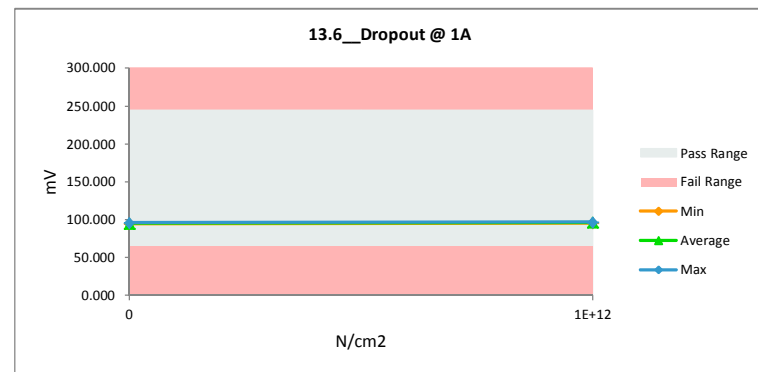
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.6 Dropout @ 1A		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	245	245
Min Limit	65	65

N/cm2	Serial #	Pre	Post	Delta
0	114	95.367	95.367	0.000
0	115	94.865	94.865	0.000
0	116	95.505	95.505	0.000
0	117	96.035	96.035	0.000
0	118	95.671	95.671	0.000
0	101	94.980	94.980	0.000
0	103	95.013	95.013	0.000
0	104	95.599	95.599	0.000
0	105	95.174	95.174	0.000
0	106	95.531	95.531	0.000
0	107	95.898	95.898	0.000
0	108	95.060	95.060	0.000
0	109	94.850	94.850	0.000
0	111	95.715	95.715	0.000
0	113	95.570	95.570	0.000
1E+12	214	95.367	96.168	-0.801
1E+12	215	94.865	96.115	-1.250
1E+12	216	95.505	96.247	-0.742
1E+12	217	96.035	96.877	-0.842
1E+12	218	95.671	96.202	-0.531
1E+12	201	94.980	95.987	-1.007
1E+12	203	95.013	96.039	-1.026
1E+12	204	95.599	96.076	-0.477
1E+12	205	95.174	95.752	-0.578
1E+12	206	95.531	96.086	-0.555
1E+12	207	95.898	96.535	-0.637
1E+12	208	95.060	96.309	-1.249
1E+12	209	94.850	96.710	-1.860
1E+12	211	95.715	96.710	-0.995
1E+12	213	95.570	96.758	-1.188
Max		96.035	96.877	0.000
Average		95.389	95.847	-0.458
Min		94.850	94.850	-1.860
Std Dev		0.372	0.583	0.532



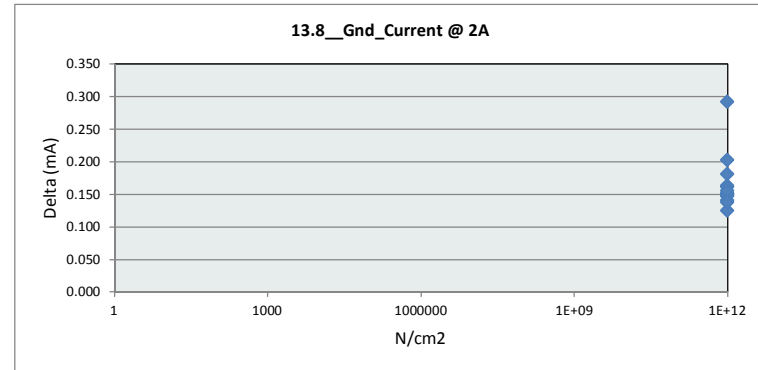
13.6 Dropout @ 1A		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	245	mV
Min Limit	65	mV
N/cm2	0	1E+12
LL	65.000	65.000
Min	94.850	95.752
Average	95.389	96.305
Max	96.035	96.877
UL	245.000	245.000



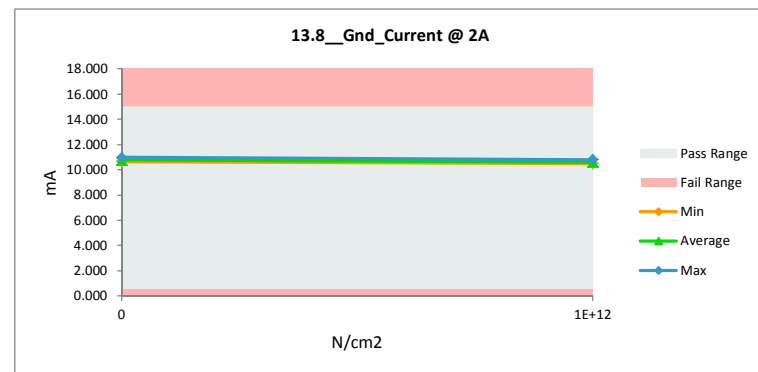
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.8_Gnd_Current @ 2A		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	15	15
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	10.681	10.681	0.000
0	115	10.831	10.831	0.000
0	116	10.981	10.981	0.000
0	117	10.833	10.833	0.000
0	118	10.802	10.802	0.000
0	101	10.693	10.693	0.000
0	103	10.802	10.802	0.000
0	104	10.671	10.671	0.000
0	105	10.756	10.756	0.000
0	106	10.668	10.668	0.000
0	107	10.659	10.659	0.000
0	108	10.855	10.855	0.000
0	109	10.831	10.831	0.000
0	111	10.677	10.677	0.000
0	113	10.800	10.800	0.000
1E+12	214	10.681	10.533	0.148
1E+12	215	10.831	10.679	0.152
1E+12	216	10.981	10.817	0.164
1E+12	217	10.833	10.671	0.162
1E+12	218	10.802	10.677	0.125
1E+12	201	10.693	10.552	0.141
1E+12	203	10.802	10.651	0.151
1E+12	204	10.671	10.521	0.150
1E+12	205	10.756	10.608	0.148
1E+12	206	10.668	10.517	0.151
1E+12	207	10.659	10.503	0.156
1E+12	208	10.855	10.674	0.181
1E+12	209	10.831	10.539	0.292
1E+12	211	10.677	10.539	0.138
1E+12	213	10.800	10.597	0.203
	Max	10.981	10.981	0.292
	Average	10.769	10.687	0.082
	Min	10.659	10.503	0.000
	Std Dev	0.091	0.122	0.088



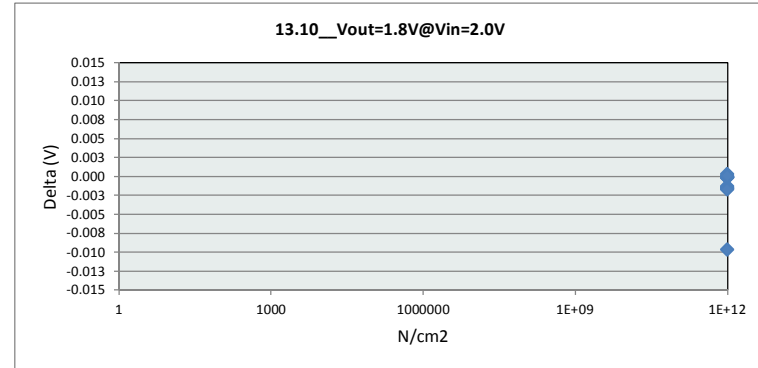
13.8_Gnd_Current @ 2A		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	15	mA
Min Limit	0.5	mA
N/cm2	0	1E+12
LL	0.500	0.500
Min	10.659	10.503
Average	10.769	10.605
Max	10.981	10.817
UL	15.000	15.000



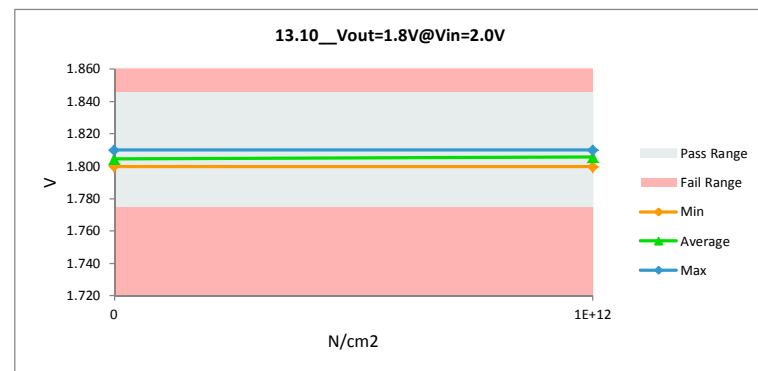
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.10_Vout=1.8V@Vin=2.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8453	1.8453
Min Limit	1.7747	1.7747

N/cm2	Serial #	Pre	Post	Delta
0	114	1.803	1.803	0.000
0	115	1.803	1.803	0.000
0	116	1.802	1.802	0.000
0	117	1.809	1.809	0.000
0	118	1.802	1.802	0.000
0	101	1.804	1.804	0.000
0	103	1.805	1.805	0.000
0	104	1.801	1.801	0.000
0	105	1.805	1.805	0.000
0	106	1.806	1.806	0.000
0	107	1.810	1.810	0.000
0	108	1.800	1.800	0.000
0	109	1.800	1.800	0.000
0	111	1.809	1.809	0.000
0	113	1.808	1.808	0.000
1E+12	214	1.803	1.805	-0.001
1E+12	215	1.803	1.805	-0.001
1E+12	216	1.802	1.804	-0.002
1E+12	217	1.809	1.810	-0.001
1E+12	218	1.802	1.804	-0.002
1E+12	201	1.804	1.805	0.000
1E+12	203	1.805	1.805	0.000
1E+12	204	1.801	1.801	0.000
1E+12	205	1.805	1.805	0.000
1E+12	206	1.806	1.806	0.000
1E+12	207	1.810	1.810	0.000
1E+12	208	1.800	1.800	0.000
1E+12	209	1.800	1.810	-0.010
1E+12	211	1.809	1.810	0.000
1E+12	213	1.808	1.808	0.000
Max		1.810	1.810	0.000
Average		1.805	1.805	-0.001
Min		1.800	1.800	-0.010
Std Dev		0.003	0.003	0.002



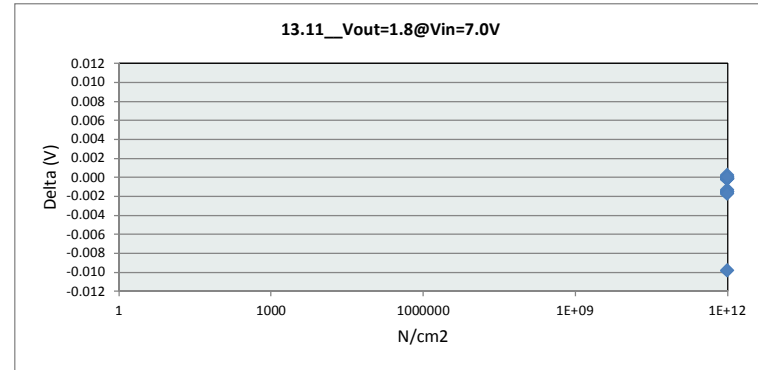
13.10_Vout=1.8V@Vin=2.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.8453	V
Min Limit	1.7747	V
N/cm2	0	1E+12
LL	1.775	1.775
Min	1.800	1.800
Average	1.805	1.806
Max	1.810	1.810
UL	1.845	1.845



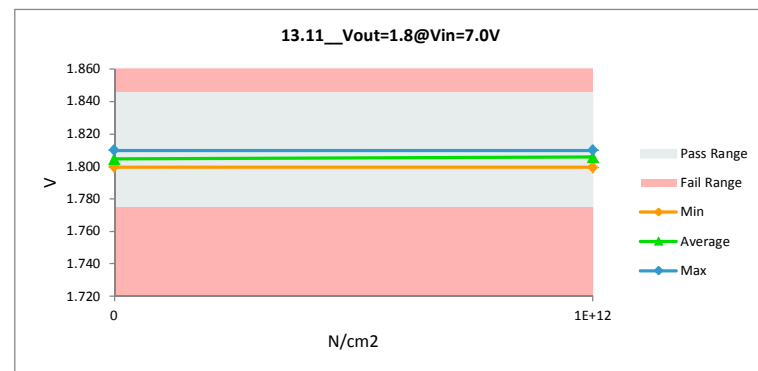
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.11_Vout=1.8@Vin=7.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8453	1.8453
Min Limit	1.7747	1.7747

N/cm2	Serial #	Pre	Post	Delta
0	114	1.803	1.803	0.000
0	115	1.803	1.803	0.000
0	116	1.802	1.802	0.000
0	117	1.808	1.808	0.000
0	118	1.802	1.802	0.000
0	101	1.804	1.804	0.000
0	103	1.805	1.805	0.000
0	104	1.801	1.801	0.000
0	105	1.805	1.805	0.000
0	106	1.806	1.806	0.000
0	107	1.810	1.810	0.000
0	108	1.800	1.800	0.000
0	109	1.800	1.800	0.000
0	111	1.809	1.809	0.000
0	113	1.808	1.808	0.000
1E+12	214	1.803	1.805	-0.002
1E+12	215	1.803	1.805	-0.001
1E+12	216	1.802	1.804	-0.002
1E+12	217	1.808	1.810	-0.002
1E+12	218	1.802	1.804	-0.002
1E+12	201	1.804	1.805	0.000
1E+12	203	1.805	1.806	0.000
1E+12	204	1.801	1.801	0.000
1E+12	205	1.805	1.806	0.000
1E+12	206	1.806	1.806	0.000
1E+12	207	1.810	1.810	0.000
1E+12	208	1.800	1.799	0.000
1E+12	209	1.800	1.810	-0.010
1E+12	211	1.809	1.810	0.000
1E+12	213	1.808	1.808	0.000
Max		1.810	1.810	0.000
Average		1.805	1.805	-0.001
Min		1.800	1.799	-0.010
Std Dev		0.003	0.003	0.002



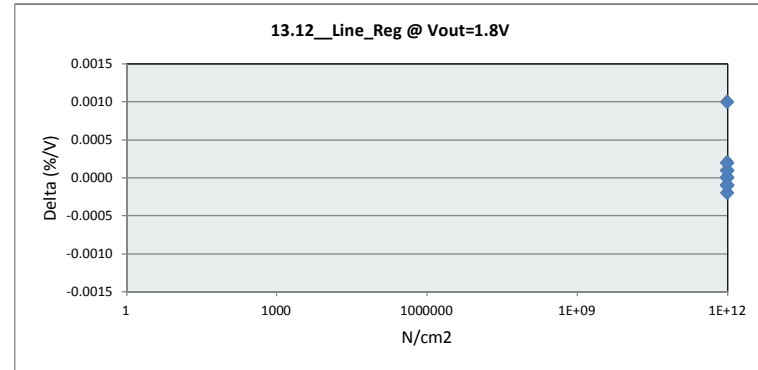
13.11_Vout=1.8@Vin=7.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.8453	V
Min Limit	1.7747	V
N/cm2	0	1E+12
LL	1.775	1.775
Min	1.800	1.800
Average	1.805	1.806
Max	1.810	1.810
UL	1.845	1.845



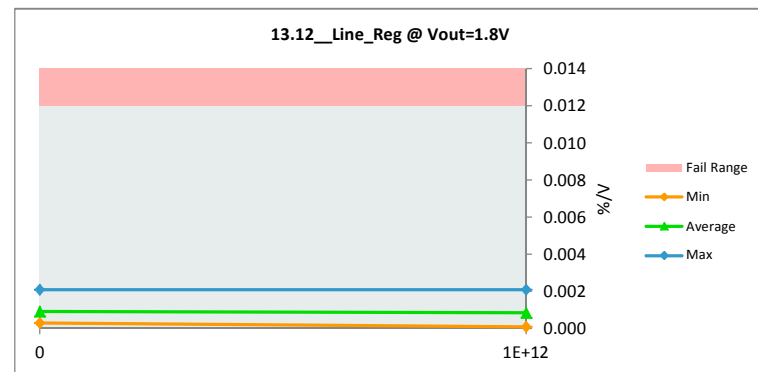
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.12 Line_Reg @ Vout=1.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%/V	%/V
Max Limit	0.012	0.012
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.000	0.000	0.000
0	115	0.000	0.000	0.000
0	116	0.001	0.001	0.000
0	117	0.000	0.000	0.000
0	118	0.001	0.001	0.000
0	101	0.000	0.000	0.000
0	103	0.001	0.001	0.000
0	104	0.001	0.001	0.000
0	105	0.001	0.001	0.000
0	106	0.002	0.002	0.000
0	107	0.001	0.001	0.000
0	108	0.002	0.002	0.000
0	109	0.001	0.001	0.000
0	111	0.001	0.001	0.000
0	113	0.001	0.001	0.000
1E+12	214	0.000	0.000	0.000
1E+12	215	0.000	0.000	0.000
1E+12	216	0.001	0.001	0.000
1E+12	217	0.000	0.000	0.000
1E+12	218	0.001	0.001	0.000
1E+12	201	0.000	0.001	0.000
1E+12	203	0.001	0.001	0.000
1E+12	204	0.001	0.001	0.000
1E+12	205	0.001	0.001	0.000
1E+12	206	0.002	0.002	0.000
1E+12	207	0.001	0.001	0.000
1E+12	208	0.002	0.002	0.000
1E+12	209	0.001	0.000	0.001
1E+12	211	0.001	0.000	0.000
1E+12	213	0.001	0.002	0.000
Max		0.002	0.002	0.001
Average		0.001	0.001	0.000
Min		0.000	0.000	0.000
Std Dev		0.001	0.001	0.000



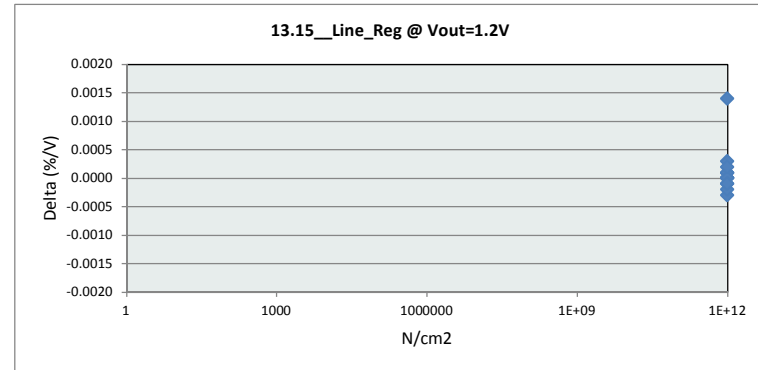
13.12 Line_Reg @ Vout=1.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.012	%/V
Min Limit		%/V
N/cm2	0	1E+12
LL		
Min	0.000	0.000
Average	0.001	0.001
Max	0.002	0.002
UL	0.012	0.012



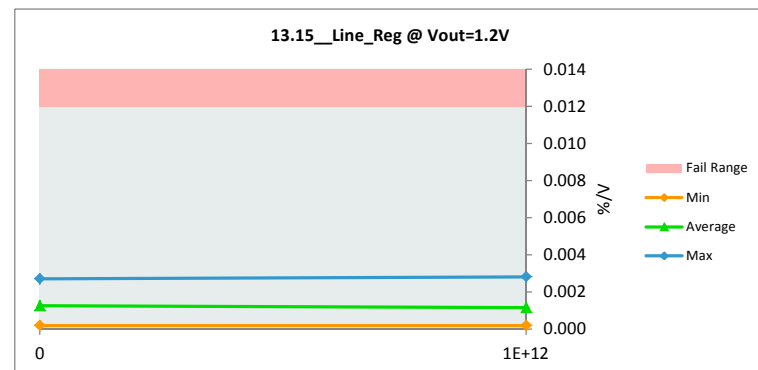
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.15 Line_Reg @ Vout=1.2V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%/V	%/V
Max Limit	0.012	0.012
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.001	0.001	0.0000
0	115	0.001	0.001	0.0000
0	116	0.002	0.002	0.0000
0	117	0.001	0.001	0.0000
0	118	0.001	0.001	0.0000
0	101	0.000	0.000	0.0000
0	103	0.001	0.001	0.0000
0	104	0.002	0.002	0.0000
0	105	0.000	0.000	0.0000
0	106	0.002	0.002	0.0000
0	107	0.001	0.001	0.0000
0	108	0.002	0.002	0.0000
0	109	0.002	0.002	0.0000
0	111	0.001	0.001	0.0000
0	113	0.003	0.003	0.0000
1E+12	214	0.001	0.001	-0.0003
1E+12	215	0.001	0.001	0.0001
1E+12	216	0.002	0.002	0.0000
1E+12	217	0.001	0.001	0.0001
1E+12	218	0.001	0.001	0.0000
1E+12	201	0.000	0.000	0.0000
1E+12	203	0.001	0.001	0.0000
1E+12	204	0.002	0.002	0.0001
1E+12	205	0.000	0.000	0.0000
1E+12	206	0.002	0.002	-0.0001
1E+12	207	0.001	0.001	-0.0002
1E+12	208	0.002	0.002	0.0003
1E+12	209	0.002	0.001	0.0014
1E+12	211	0.001	0.001	0.0002
1E+12	213	0.003	0.003	-0.0001
Max		0.003	0.003	0.0014
Average		0.001	0.001	0.0001
Min		0.000	0.000	-0.0003
Std Dev		0.001	0.001	0.0003



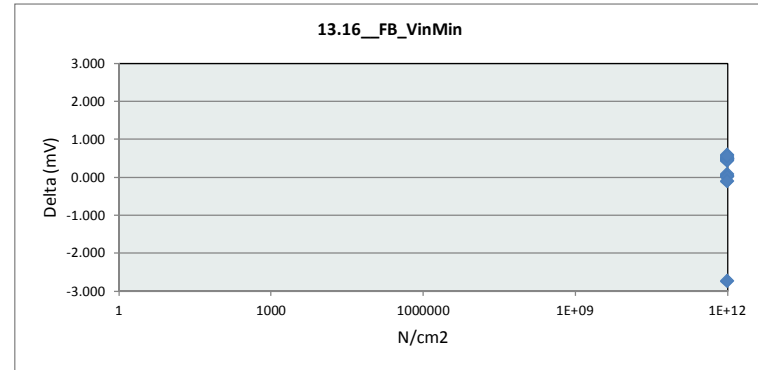
13.15 Line_Reg @ Vout=1.2V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.012	%/V
Min Limit		%/V
N/cm2	0	1E+12
LL		
Min	0.000	0.000
Average	0.001	0.001
Max	0.003	0.003
UL	0.012	0.012



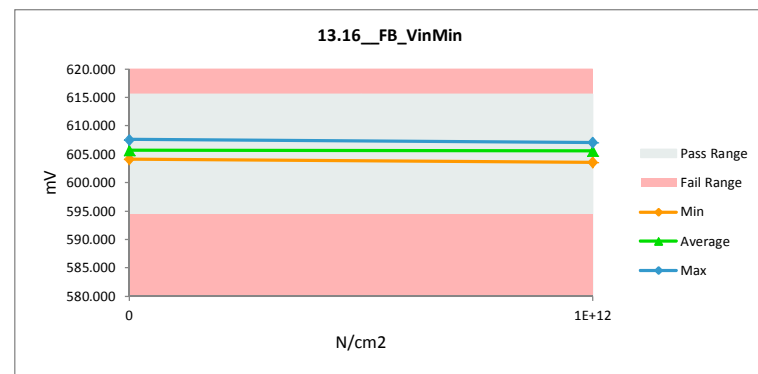
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.16_FB_VinMin		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	615.587	615.587
Min Limit	594.413	594.413

N/cm2	Serial #	Pre	Post	Delta
0	114	605.367	605.367	0.000
0	115	605.376	605.376	0.000
0	116	604.964	604.964	0.000
0	117	607.081	607.081	0.000
0	118	604.861	604.861	0.000
0	101	605.741	605.741	0.000
0	103	605.995	605.995	0.000
0	104	604.467	604.467	0.000
0	105	606.029	606.029	0.000
0	106	606.101	606.101	0.000
0	107	607.585	607.585	0.000
0	108	604.187	604.187	0.000
0	109	604.228	604.228	0.000
0	111	607.397	607.397	0.000
0	113	607.033	607.033	0.000
1E+12	214	605.367	605.331	0.036
1E+12	215	605.376	605.281	0.095
1E+12	216	604.964	604.930	0.034
1E+12	217	607.081	607.058	0.023
1E+12	218	604.861	604.951	-0.090
1E+12	201	605.741	605.241	0.500
1E+12	203	605.995	605.522	0.473
1E+12	204	604.467	603.956	0.511
1E+12	205	606.029	605.533	0.496
1E+12	206	606.101	605.629	0.472
1E+12	207	607.585	607.067	0.518
1E+12	208	604.187	603.597	0.590
1E+12	209	604.228	606.956	-2.728
1E+12	211	607.397	606.956	0.441
1E+12	213	607.033	606.471	0.562
	Max	607.585	607.585	0.590
	Average	605.761	605.696	0.064
	Min	604.187	603.597	-2.728
	Std Dev	1.110	1.092	0.577



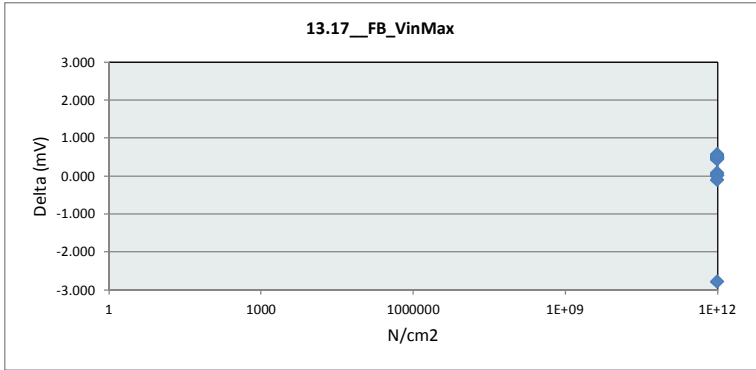
13.16_FB_VinMin		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	615.587	mV
Min Limit	594.413	mV
N/cm2	0	1E+12
LL	594.413	594.413
Min	604.187	603.597
Average	605.761	605.632
Max	607.585	607.067
UL	615.587	615.587



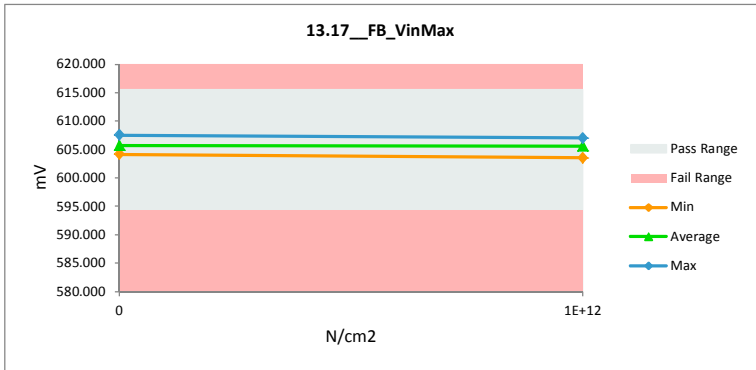
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.17_FB_VinMax		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	615.587	615.587
Min Limit	594.413	594.413

N/cm2	Serial #	Pre	Post	Delta
0	114	605.335	605.335	0.000
0	115	605.349	605.349	0.000
0	116	604.906	604.906	0.000
0	117	607.050	607.050	0.000
0	118	604.893	604.893	0.000
0	101	605.730	605.730	0.000
0	103	606.019	606.019	0.000
0	104	604.378	604.378	0.000
0	105	606.026	606.026	0.000
0	106	606.173	606.173	0.000
0	107	607.536	607.536	0.000
0	108	604.113	604.113	0.000
0	109	604.158	604.158	0.000
0	111	607.373	607.373	0.000
0	113	606.935	606.935	0.000
1E+12	214	605.335	605.301	0.034
1E+12	215	605.349	605.260	0.089
1E+12	216	604.906	604.878	0.028
1E+12	217	607.050	607.028	0.022
1E+12	218	604.893	604.981	-0.088
1E+12	201	605.730	605.233	0.497
1E+12	203	606.019	605.549	0.470
1E+12	204	604.378	603.866	0.512
1E+12	205	606.026	605.538	0.488
1E+12	206	606.173	605.703	0.470
1E+12	207	607.536	607.018	0.518
1E+12	208	604.113	603.525	0.588
1E+12	209	604.158	606.924	-2.766
1E+12	211	607.373	606.924	0.449
1E+12	213	606.935	606.384	0.551
Max		607.536	607.536	0.588
Average		605.732	605.670	0.062
Min		604.113	603.525	-2.766
Std Dev		1.118	1.098	0.583



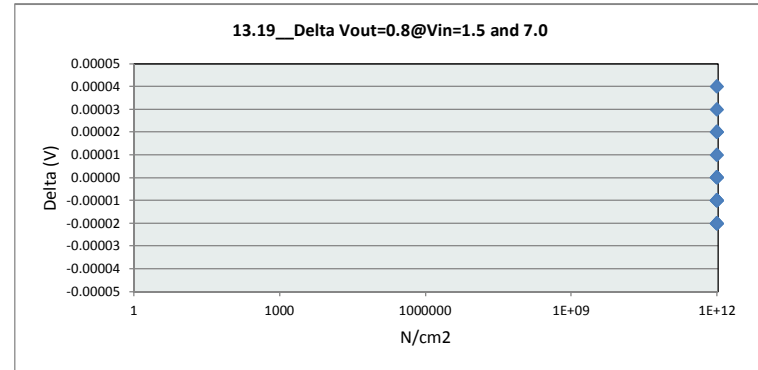
13.17_FB_VinMax		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	615.587	mV
Min Limit	594.413	mV
N/cm2	0	1E+12
LL	594.413	594.413
Min	604.113	603.525
Average	605.732	605.607
Max	607.536	607.028
UL	615.587	615.587



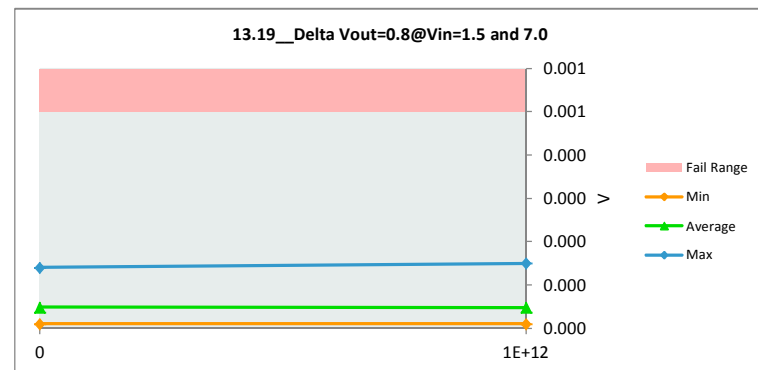
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.19 Delta Vout=0.8@Vin=1.5 and 7.0		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.0005	0.0005
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.000	0.000	0.000
0	115	0.000	0.000	0.000
0	116	0.000	0.000	0.000
0	117	0.000	0.000	0.000
0	118	0.000	0.000	0.000
0	101	0.000	0.000	0.000
0	103	0.000	0.000	0.000
0	104	0.000	0.000	0.000
0	105	0.000	0.000	0.000
0	106	0.000	0.000	0.000
0	107	0.000	0.000	0.000
0	108	0.000	0.000	0.000
0	109	0.000	0.000	0.000
0	111	0.000	0.000	0.000
0	113	0.000	0.000	0.000
1E+12	214	0.000	0.000	-0.00001
1E+12	215	0.000	0.000	0.00000
1E+12	216	0.000	0.000	0.00001
1E+12	217	0.000	0.000	-0.00001
1E+12	218	0.000	0.000	-0.00001
1E+12	201	0.000	0.000	-0.00002
1E+12	203	0.000	0.000	-0.00002
1E+12	204	0.000	0.000	0.00002
1E+12	205	0.000	0.000	-0.00002
1E+12	206	0.000	0.000	-0.00001
1E+12	207	0.000	0.000	0.00002
1E+12	208	0.000	0.000	0.00000
1E+12	209	0.000	0.000	0.00004
1E+12	211	0.000	0.000	0.00000
1E+12	213	0.000	0.000	0.00003
Max		0.000	0.000	0.000040
Average		0.000	0.000	0.000001
Min		0.000	0.000	-0.000020
Std Dev		0.000	0.000	0.000013



13.19 Delta Vout=0.8@Vin=1.5 and 7.0		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.0005 V	
Min Limit	V	
N/cm2	0	1E+12
LL		
Min	0.000	0.000
Average	0.000	0.000
Max	0.000	0.000
UL	0.001	0.001

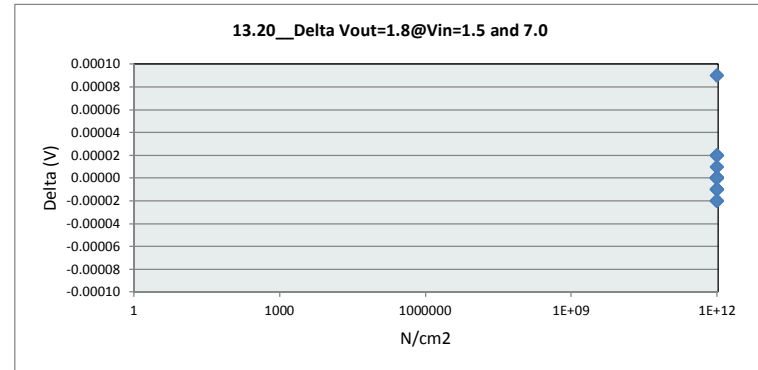


NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.20 Delta Vout=1.8@Vin=1.5 and 7.0

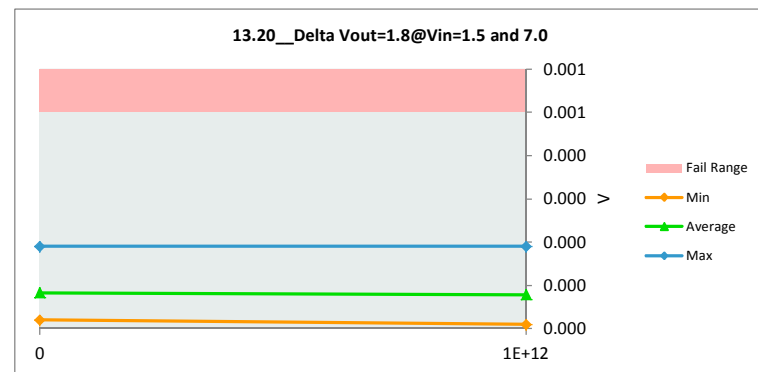
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.0005	0.0005
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.000	0.000	0.000
0	115	0.000	0.000	0.000
0	116	0.000	0.000	0.000
0	117	0.000	0.000	0.000
0	118	0.000	0.000	0.000
0	101	0.000	0.000	0.000
0	103	0.000	0.000	0.000
0	104	0.000	0.000	0.000
0	105	0.000	0.000	0.000
0	106	0.000	0.000	0.000
0	107	0.000	0.000	0.000
0	108	0.000	0.000	0.000
0	109	0.000	0.000	0.000
0	111	0.000	0.000	0.000
0	113	0.000	0.000	0.000
1E+12	214	0.000	0.000	0.00000
1E+12	215	0.000	0.000	0.00002
1E+12	216	0.000	0.000	-0.00001
1E+12	217	0.000	0.000	0.00000
1E+12	218	0.000	0.000	0.00000
1E+12	201	0.000	0.000	0.00000
1E+12	203	0.000	0.000	-0.00001
1E+12	204	0.000	0.000	-0.00002
1E+12	205	0.000	0.000	-0.00001
1E+12	206	0.000	0.000	0.00000
1E+12	207	0.000	0.000	-0.00002
1E+12	208	0.000	0.000	0.00001
1E+12	209	0.000	0.000	0.00009
1E+12	211	0.000	0.000	0.00002
1E+12	213	0.000	0.000	0.00000
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

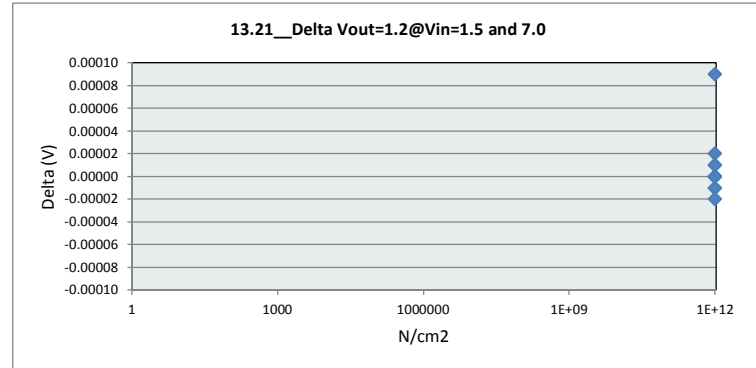
Test Site	CLAB
Tester	ETS364-1
Test Number	EF5069
Max Limit	0.0005 V
Min Limit	V
N/cm2	0 1E+12
LL	
Min	0.000 0.000
Average	0.000 0.000
Max	0.000 0.000
UL	0.001 0.001



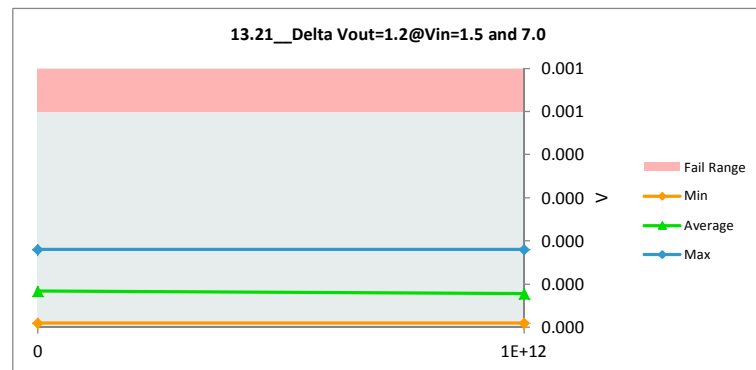
NDD Report - Parametric Drift Graphs TPS7H1101-SP

13.21_Delta Vout=1.2@Vin=1.5 and 7.0		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.0005	0.0005
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.000	0.000	0.000
0	115	0.000	0.000	0.000
0	116	0.000	0.000	0.000
0	117	0.000	0.000	0.000
0	118	0.000	0.000	0.000
0	101	0.000	0.000	0.000
0	103	0.000	0.000	0.000
0	104	0.000	0.000	0.000
0	105	0.000	0.000	0.000
0	106	0.000	0.000	0.000
0	107	0.000	0.000	0.000
0	108	0.000	0.000	0.000
0	109	0.000	0.000	0.000
0	111	0.000	0.000	0.000
0	113	0.000	0.000	0.000
1E+12	214	0.000	0.000	-0.00001
1E+12	215	0.000	0.000	0.00001
1E+12	216	0.000	0.000	0.00000
1E+12	217	0.000	0.000	0.00000
1E+12	218	0.000	0.000	0.00000
1E+12	201	0.000	0.000	0.00000
1E+12	203	0.000	0.000	0.00000
1E+12	204	0.000	0.000	0.00001
1E+12	205	0.000	0.000	0.00000
1E+12	206	0.000	0.000	-0.00001
1E+12	207	0.000	0.000	-0.00002
1E+12	208	0.000	0.000	0.00002
1E+12	209	0.000	0.000	0.00009
1E+12	211	0.000	0.000	0.00000
1E+12	213	0.000	0.000	0.00000
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



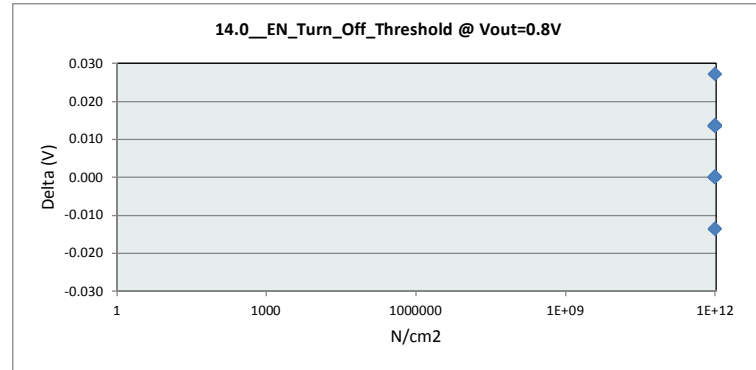
13.21_Delta Vout=1.2@Vin=1.5 and 7.0		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.0005	V
Min Limit		V
N/cm2	0	1E+12
LL		
Min	0.000	0.000
Average	0.000	0.000
Max	0.000	0.000
UL	0.001	0.001



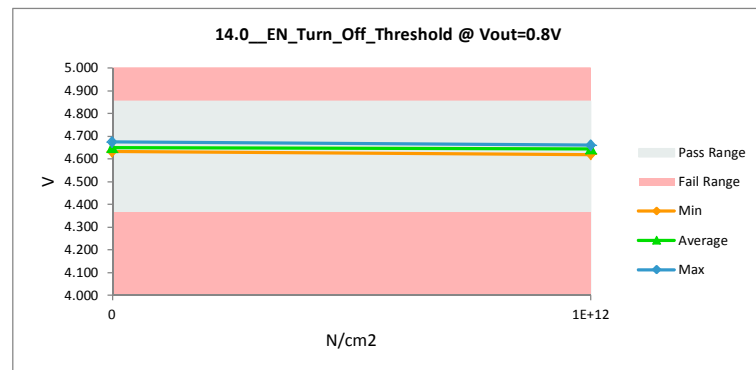
NDD Report - Parametric Drift Graphs TPS7H1101-SP

14.0_EN_Turn_Off_Threshold @ Vout=0		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	4.8552	4.8552
Min Limit	4.3632	4.3632

N/cm2	Serial #	Pre	Post	Delta
0	114	4.661	4.661	0.000
0	115	4.647	4.647	0.000
0	116	4.633	4.633	0.000
0	117	4.647	4.647	0.000
0	118	4.647	4.647	0.000
0	101	4.647	4.647	0.000
0	103	4.633	4.633	0.000
0	104	4.647	4.647	0.000
0	105	4.633	4.633	0.000
0	106	4.661	4.661	0.000
0	107	4.647	4.647	0.000
0	108	4.674	4.674	0.000
0	109	4.647	4.647	0.000
0	111	4.661	4.661	0.000
0	113	4.674	4.674	0.000
1E+12	214	4.661	4.647	0.014
1E+12	215	4.647	4.647	0.000
1E+12	216	4.633	4.620	0.014
1E+12	217	4.647	4.647	0.000
1E+12	218	4.647	4.661	-0.014
1E+12	201	4.647	4.647	0.000
1E+12	203	4.633	4.620	0.014
1E+12	204	4.647	4.633	0.014
1E+12	205	4.633	4.633	0.000
1E+12	206	4.661	4.647	0.014
1E+12	207	4.647	4.647	0.000
1E+12	208	4.674	4.661	0.014
1E+12	209	4.647	4.661	-0.014
1E+12	211	4.661	4.661	0.000
1E+12	213	4.674	4.647	0.027
Max		4.674	4.674	0.027
Average		4.651	4.648	0.003
Min		4.633	4.620	-0.014
Std Dev		0.013	0.013	0.008



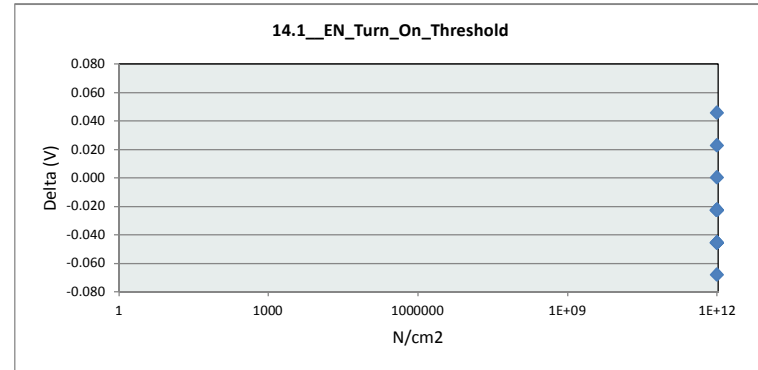
14.0_EN_Turn_Off_Threshold @ Vout=0.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	4.8552	V
Min Limit	4.3632	V
N/cm2	0	1E+12
LL	4.363	4.363
Min	4.633	4.620
Average	4.651	4.645
Max	4.674	4.661
UL	4.855	4.855



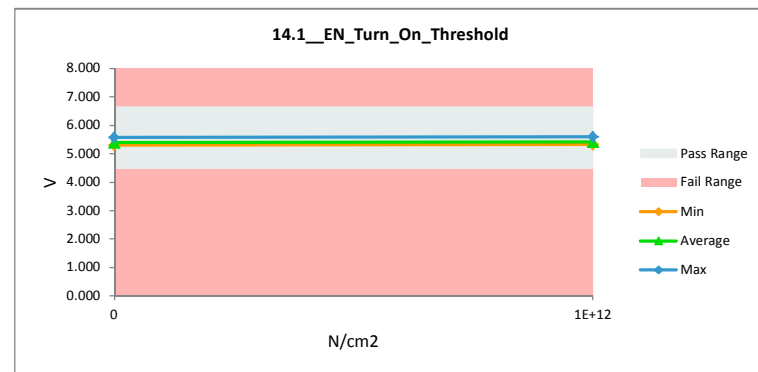
NDD Report - Parametric Drift Graphs TPS7H1101-SP

14.1_EN_Turn_On_Threshold		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	6.6499	6.6499
Min Limit	4.4733	4.4733

N/cm2	Serial #	Pre	Post	Delta
0	114	5.367	5.367	0.000
0	115	5.367	5.367	0.000
0	116	5.572	5.572	0.000
0	117	5.436	5.436	0.000
0	118	5.367	5.367	0.000
0	101	5.390	5.390	0.000
0	103	5.367	5.367	0.000
0	104	5.413	5.413	0.000
0	105	5.367	5.367	0.000
0	106	5.345	5.345	0.000
0	107	5.481	5.481	0.000
0	108	5.322	5.322	0.000
0	109	5.367	5.367	0.000
0	111	5.436	5.436	0.000
0	113	5.299	5.299	0.000
1E+12	214	5.367	5.413	-0.046
1E+12	215	5.367	5.390	-0.023
1E+12	216	5.572	5.595	-0.023
1E+12	217	5.436	5.458	-0.023
1E+12	218	5.367	5.322	0.045
1E+12	201	5.390	5.390	0.000
1E+12	203	5.367	5.413	-0.046
1E+12	204	5.413	5.436	-0.023
1E+12	205	5.367	5.390	-0.023
1E+12	206	5.345	5.367	-0.023
1E+12	207	5.481	5.526	-0.046
1E+12	208	5.322	5.367	-0.045
1E+12	209	5.367	5.413	-0.046
1E+12	211	5.436	5.413	0.023
1E+12	213	5.299	5.367	-0.068
Max		5.572	5.595	0.045
Average		5.393	5.405	-0.012
Min		5.299	5.299	-0.068
Std Dev		0.066	0.068	0.024



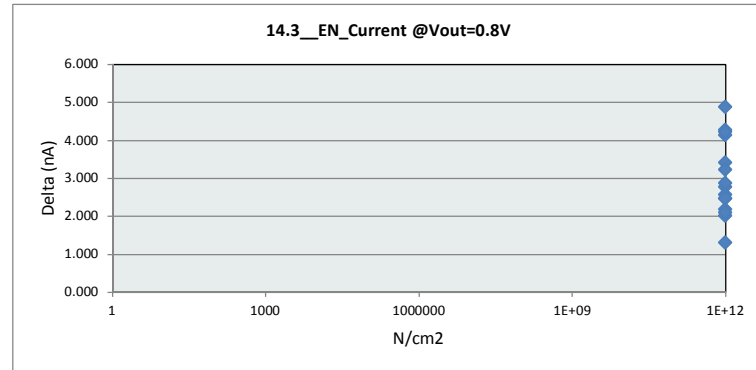
14.1_EN_Turn_On_Threshold		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	6.6499	V
Min Limit	4.4733	V
N/cm2	0	1E+12
LL	4.473	4.473
Min	5.299	5.322
Average	5.393	5.417
Max	5.572	5.595
UL	6.650	6.650



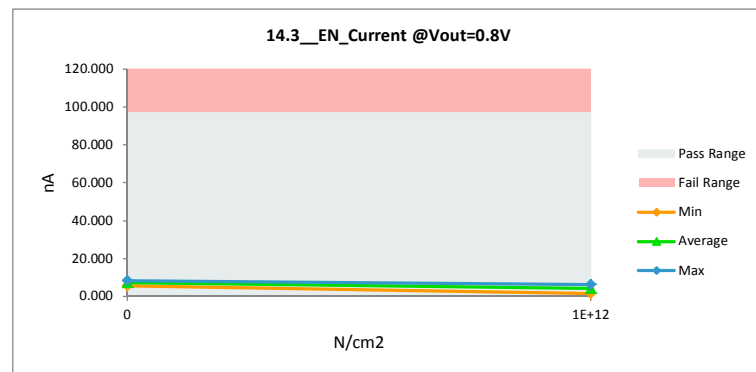
NDD Report - Parametric Drift Graphs TPS7H1101-SP

14.3_EN_Current @Vout=0.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	97	97
Min Limit	0.0005	0.0005

N/cm2	Serial #	Pre	Post	Delta
0	114	8.017	8.017	0.000
0	115	6.804	6.804	0.000
0	116	6.867	6.867	0.000
0	117	7.782	7.782	0.000
0	118	7.954	7.954	0.000
0	101	5.912	5.912	0.000
0	103	7.047	7.047	0.000
0	104	8.111	8.111	0.000
0	105	7.446	7.446	0.000
0	106	7.258	7.258	0.000
0	107	8.228	8.228	0.000
0	108	5.412	5.412	0.000
0	109	7.047	7.047	0.000
0	111	7.946	7.946	0.000
0	113	7.665	7.665	0.000
1E+12	214	8.017	5.242	2.775
1E+12	215	6.804	4.624	2.181
1E+12	216	6.867	4.303	2.564
1E+12	217	7.782	5.312	2.470
1E+12	218	7.954	3.083	4.872
1E+12	201	5.912	1.643	4.269
1E+12	203	7.047	5.038	2.008
1E+12	204	8.111	4.694	3.417
1E+12	205	7.446	6.134	1.312
1E+12	206	7.258	4.796	2.462
1E+12	207	8.228	5.359	2.869
1E+12	208	5.412	3.317	2.094
1E+12	209	7.047	3.818	3.229
1E+12	211	7.946	3.818	4.128
1E+12	213	7.665	3.443	4.222
	Max	8.228	8.228	4.872
	Average	7.300	5.804	1.496
	Min	5.412	1.643	0.000
	Std Dev	0.802	1.806	1.675



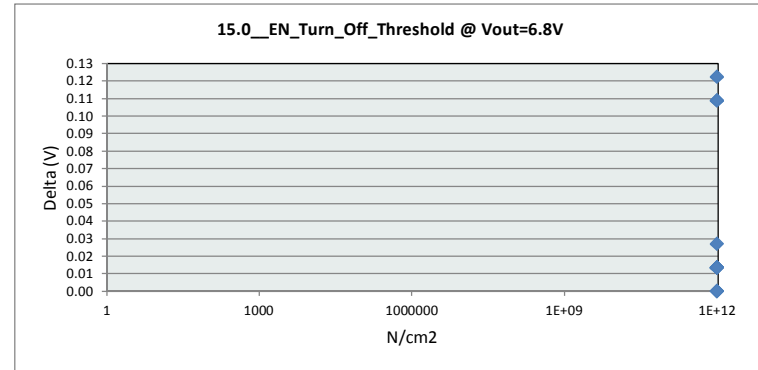
14.3_EN_Current @Vout=0.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	97	nA
Min Limit	0.0005	nA
N/cm2	0	1E+12
LL	0.001	0.001
Min	5.412	1.643
Average	7.300	4.308
Max	8.228	6.134
UL	97.000	97.000



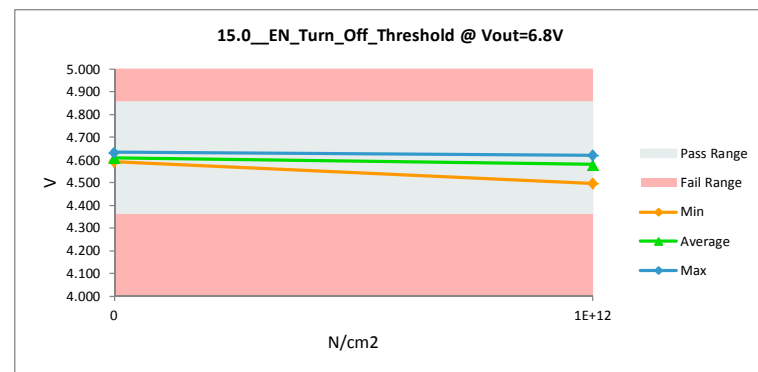
NDD Report - Parametric Drift Graphs TPS7H1101-SP

15.0_EN_Turn_Off_Threshold @ Vout=6		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	4.8552	4.8552
Min Limit	4.3632	4.3632

N/cm2	Serial #	Pre	Post	Delta
0	114	4.620	4.620	0.000
0	115	4.606	4.606	0.000
0	116	4.592	4.592	0.000
0	117	4.620	4.620	0.000
0	118	4.606	4.606	0.000
0	101	4.606	4.606	0.000
0	103	4.592	4.592	0.000
0	104	4.606	4.606	0.000
0	105	4.592	4.592	0.000
0	106	4.620	4.620	0.000
0	107	4.606	4.606	0.000
0	108	4.633	4.633	0.000
0	109	4.606	4.606	0.000
0	111	4.620	4.620	0.000
0	113	4.633	4.633	0.000
1E+12	214	4.620	4.606	0.014
1E+12	215	4.606	4.606	0.000
1E+12	216	4.592	4.579	0.014
1E+12	217	4.620	4.606	0.014
1E+12	218	4.606	4.497	0.109
1E+12	201	4.606	4.606	0.000
1E+12	203	4.592	4.579	0.014
1E+12	204	4.606	4.592	0.014
1E+12	205	4.592	4.592	0.000
1E+12	206	4.620	4.606	0.014
1E+12	207	4.606	4.606	0.000
1E+12	208	4.633	4.620	0.014
1E+12	209	4.606	4.497	0.109
1E+12	211	4.620	4.497	0.123
1E+12	213	4.633	4.606	0.027
Max		4.633	4.633	0.123
Average		4.611	4.595	0.015
Min		4.592	4.497	0.000
Std Dev		0.013	0.036	0.034



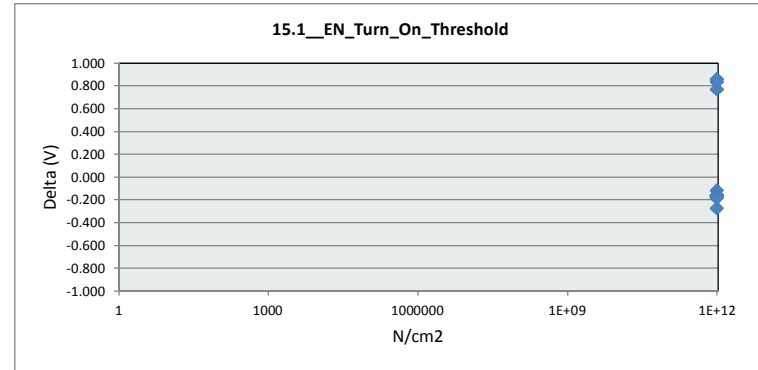
15.0_EN_Turn_Off_Threshold @ Vout=6.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	4.8552	V
Min Limit	4.3632	V
N/cm2	0	1E+12
LL	4.363	4.363
Min	4.592	4.497
Average	4.611	4.580
Max	4.633	4.620
UL	4.855	4.855



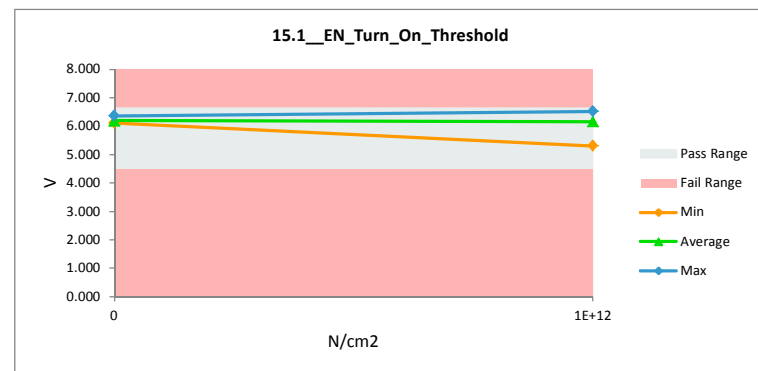
NDD Report - Parametric Drift Graphs TPS7H1101-SP

15.1_EN_Turn_On_Threshold		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	6.6499	6.6499
Min Limit	4.4733	4.4733

N/cm2	Serial #	Pre	Post	Delta
0	114	6.163	6.163	0.000
0	115	6.163	6.163	0.000
0	116	6.368	6.368	0.000
0	117	6.231	6.231	0.000
0	118	6.163	6.163	0.000
0	101	6.186	6.186	0.000
0	103	6.186	6.186	0.000
0	104	6.186	6.186	0.000
0	105	6.163	6.163	0.000
0	106	6.141	6.141	0.000
0	107	6.300	6.300	0.000
0	108	6.118	6.118	0.000
0	109	6.163	6.163	0.000
0	111	6.231	6.231	0.000
0	113	6.118	6.118	0.000
1E+12	214	6.163	6.322	-0.159
1E+12	215	6.163	6.436	-0.273
1E+12	216	6.368	6.527	-0.159
1E+12	217	6.231	6.391	-0.159
1E+12	218	6.163	5.299	0.864
1E+12	201	6.186	6.300	-0.114
1E+12	203	6.186	6.345	-0.159
1E+12	204	6.186	6.345	-0.159
1E+12	205	6.163	6.322	-0.159
1E+12	206	6.141	6.300	-0.159
1E+12	207	6.300	6.459	-0.159
1E+12	208	6.118	6.277	-0.159
1E+12	209	6.163	5.390	0.773
1E+12	211	6.231	5.390	0.841
1E+12	213	6.118	6.300	-0.182
Max		6.368	6.527	0.864
Average		6.192	6.176	0.016
Min		6.118	5.299	-0.273
Std Dev		0.066	0.296	0.287



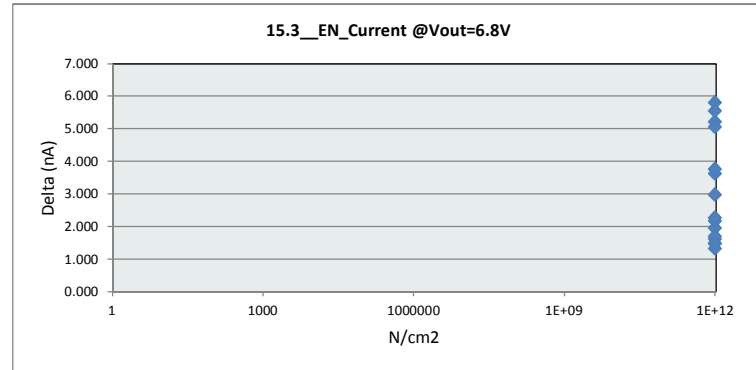
15.1_EN_Turn_On_Threshold		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	6.6499	V
Min Limit	4.4733	V
N/cm2	0	1E+12
LL	4.473	4.473
Min	6.118	5.299
Average	6.192	6.160
Max	6.368	6.527
UL	6.650	6.650



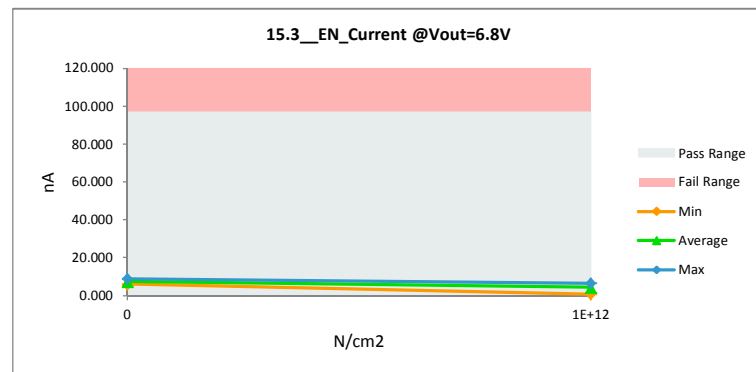
NDD Report - Parametric Drift Graphs TPS7H1101-SP

15.3_EN_Current @Vout=6.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	97	97
Min Limit	0.0005	0.0005

N/cm2	Serial #	Pre	Post	Delta
0	114	8.432	8.432	0.000
0	115	6.632	6.632	0.000
0	116	6.937	6.937	0.000
0	117	8.745	8.745	0.000
0	118	7.720	7.720	0.000
0	101	5.999	5.999	0.000
0	103	6.468	6.468	0.000
0	104	6.656	6.656	0.000
0	105	7.391	7.391	0.000
0	106	8.901	8.901	0.000
0	107	6.257	6.257	0.000
0	108	7.235	7.235	0.000
0	109	7.649	7.649	0.000
0	111	6.155	6.155	0.000
0	113	8.416	8.416	0.000
1E+12	214	8.432	6.478	1.954
1E+12	215	6.632	4.459	2.173
1E+12	216	6.937	5.320	1.617
1E+12	217	8.745	5.109	3.636
1E+12	218	7.720	1.901	5.818
1E+12	201	5.999	0.775	5.224
1E+12	203	6.468	4.201	2.266
1E+12	204	6.656	4.960	1.696
1E+12	205	7.391	5.915	1.476
1E+12	206	8.901	3.349	5.552
1E+12	207	6.257	4.921	1.336
1E+12	208	7.235	3.474	3.761
1E+12	209	7.649	4.671	2.978
1E+12	211	6.155	4.671	1.484
1E+12	213	8.416	3.356	5.060
Max		8.901	8.901	5.818
Average		7.306	5.772	1.534
Min		5.999	0.775	0.000
Std Dev		0.956	1.988	1.934



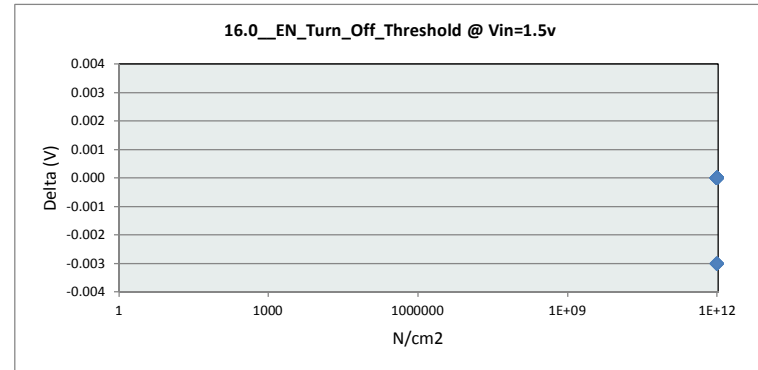
15.3_EN_Current @Vout=6.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	97	nA
Min Limit	0.0005	nA
N/cm2	0	1E+12
LL	0.001	0.001
Min	5.999	0.775
Average	7.306	4.237
Max	8.901	6.478
UL	97.000	97.000



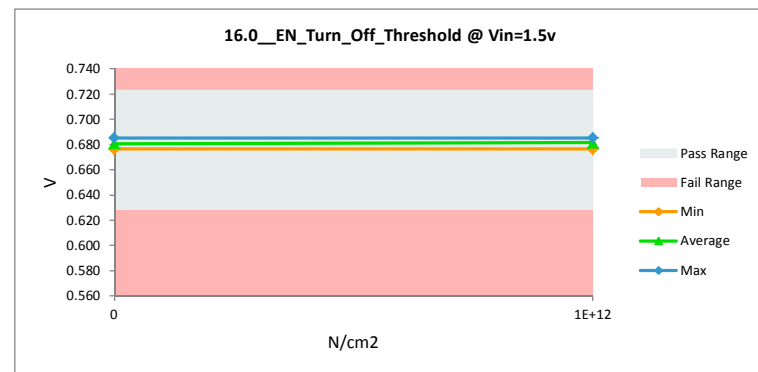
NDD Report - Parametric Drift Graphs TPS7H1101-SP

16.0_EN_Turn_Off_Threshold @ Vin=1.5		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.7232	0.7232
Min Limit	0.6276	0.6276

N/cm2	Serial #	Pre	Post	Delta
0	114	0.682	0.682	0.000
0	115	0.685	0.685	0.000
0	116	0.682	0.682	0.000
0	117	0.676	0.676	0.000
0	118	0.682	0.682	0.000
0	101	0.676	0.676	0.000
0	103	0.685	0.685	0.000
0	104	0.679	0.679	0.000
0	105	0.679	0.679	0.000
0	106	0.682	0.682	0.000
0	107	0.679	0.679	0.000
0	108	0.679	0.679	0.000
0	109	0.679	0.679	0.000
0	111	0.682	0.682	0.000
0	113	0.679	0.679	0.000
1E+12	214	0.682	0.685	-0.003
1E+12	215	0.685	0.685	0.000
1E+12	216	0.682	0.685	-0.003
1E+12	217	0.676	0.676	0.000
1E+12	218	0.682	0.682	0.000
1E+12	201	0.676	0.676	0.000
1E+12	203	0.685	0.685	0.000
1E+12	204	0.679	0.679	0.000
1E+12	205	0.679	0.679	0.000
1E+12	206	0.682	0.682	0.000
1E+12	207	0.679	0.679	0.000
1E+12	208	0.679	0.679	0.000
1E+12	209	0.679	0.682	-0.003
1E+12	211	0.682	0.682	0.000
1E+12	213	0.679	0.679	0.000
Max		0.685	0.685	0.000
Average		0.681	0.681	0.000
Min		0.676	0.676	-0.003
Std Dev		0.003	0.003	0.001



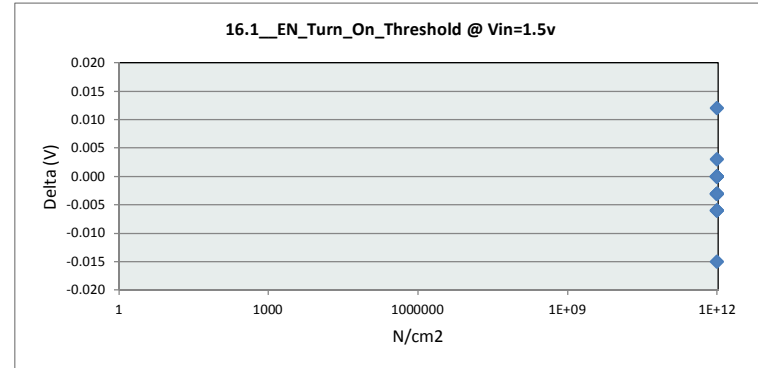
16.0_EN_Turn_Off_Threshold @ Vin=1.5v		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.7232	V
Min Limit	0.6276	V
N/cm2	0	1E+12
LL	0.628	0.628
Min	0.676	0.676
Average	0.681	0.681
Max	0.685	0.685
UL	0.723	0.723



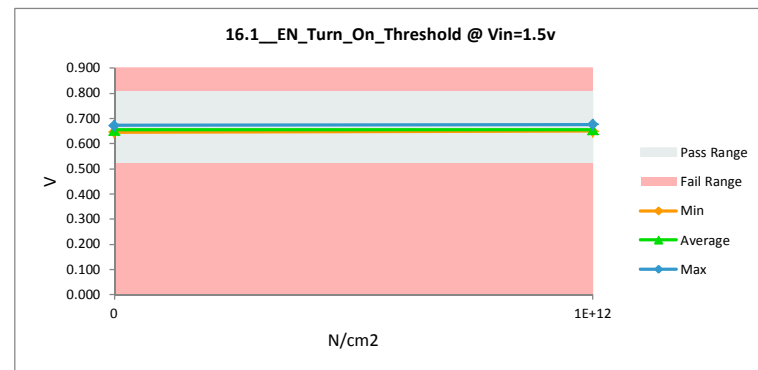
NDD Report - Parametric Drift Graphs TPS7H1101-SP

16.1_EN_Turn_On_Threshold @ Vin=1.5v		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.8071	0.8071
Min Limit	0.5235	0.5235

N/cm2	Serial #	Pre	Post	Delta
0	114	0.655	0.655	0.000
0	115	0.667	0.667	0.000
0	116	0.673	0.673	0.000
0	117	0.652	0.652	0.000
0	118	0.652	0.652	0.000
0	101	0.649	0.649	0.000
0	103	0.655	0.655	0.000
0	104	0.652	0.652	0.000
0	105	0.649	0.649	0.000
0	106	0.649	0.649	0.000
0	107	0.658	0.658	0.000
0	108	0.646	0.646	0.000
0	109	0.649	0.649	0.000
0	111	0.655	0.655	0.000
0	113	0.646	0.646	0.000
1E+12	214	0.655	0.655	0.000
1E+12	215	0.667	0.655	0.012
1E+12	216	0.673	0.676	-0.003
1E+12	217	0.652	0.655	-0.003
1E+12	218	0.652	0.649	0.003
1E+12	201	0.649	0.649	0.000
1E+12	203	0.655	0.655	0.000
1E+12	204	0.652	0.655	-0.003
1E+12	205	0.649	0.649	0.000
1E+12	206	0.649	0.664	-0.015
1E+12	207	0.658	0.664	-0.006
1E+12	208	0.646	0.649	-0.003
1E+12	209	0.649	0.655	-0.006
1E+12	211	0.655	0.655	0.000
1E+12	213	0.646	0.652	-0.006
	Max	0.673	0.676	0.012
	Average	0.654	0.655	-0.001
	Min	0.646	0.646	-0.015
	Std Dev	0.007	0.007	0.004



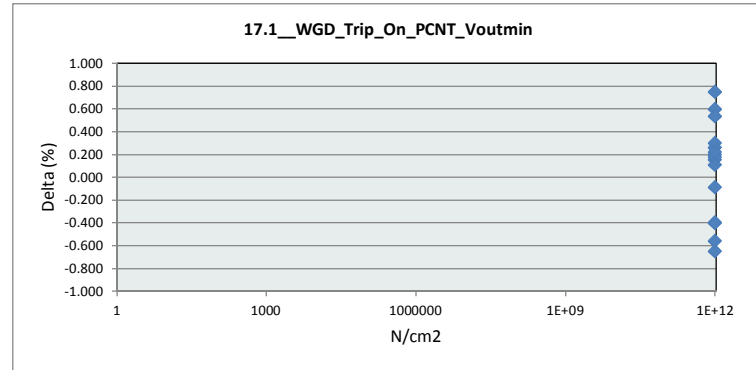
16.1_EN_Turn_On_Threshold @ Vin=1.5v		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.8071	V
Min Limit	0.5235	V
N/cm2	0	1E+12
LL	0.524	0.524
Min	0.646	0.649
Average	0.654	0.656
Max	0.673	0.676
UL	0.807	0.807



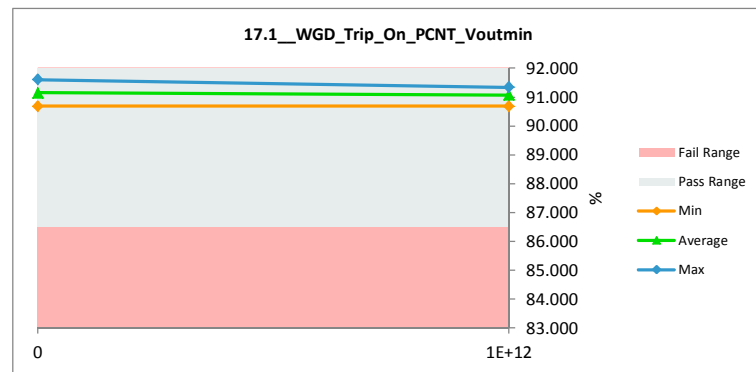
NDD Report - Parametric Drift Graphs TPS7H1101-SP

17.1_WGD_Trip_On_PCNT_Voutmin		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%	%
Max Limit		
Min Limit	86.5	86.5

N/cm2	Serial #	Pre	Post	Delta
0	114	90.692	90.692	0.000
0	115	91.280	91.280	0.000
0	116	91.100	91.100	0.000
0	117	91.241	91.241	0.000
0	118	91.295	91.295	0.000
0	101	91.456	91.456	0.000
0	103	91.446	91.446	0.000
0	104	90.707	90.707	0.000
0	105	91.202	91.202	0.000
0	106	91.095	91.095	0.000
0	107	91.606	91.606	0.000
0	108	91.071	91.071	0.000
0	109	90.729	90.729	0.000
0	111	90.889	90.889	0.000
0	113	91.577	91.577	0.000
1E+12	214	90.692	91.344	-0.652
1E+12	215	91.280	91.017	0.263
1E+12	216	91.100	90.946	0.154
1E+12	217	91.241	91.042	0.199
1E+12	218	91.295	90.695	0.600
1E+12	201	91.456	91.153	0.303
1E+12	203	91.446	91.269	0.177
1E+12	204	90.707	91.101	-0.394
1E+12	205	91.202	90.982	0.220
1E+12	206	91.095	91.183	-0.088
1E+12	207	91.606	90.855	0.751
1E+12	208	91.071	90.959	0.112
1E+12	209	90.729	91.289	-0.560
1E+12	211	90.889	91.289	-0.400
1E+12	213	91.577	91.041	0.536
	Max	91.606	91.606	0.751
	Average	91.159	91.118	0.041
	Min	90.692	90.692	-0.652
	Std Dev	0.297	0.248	0.296



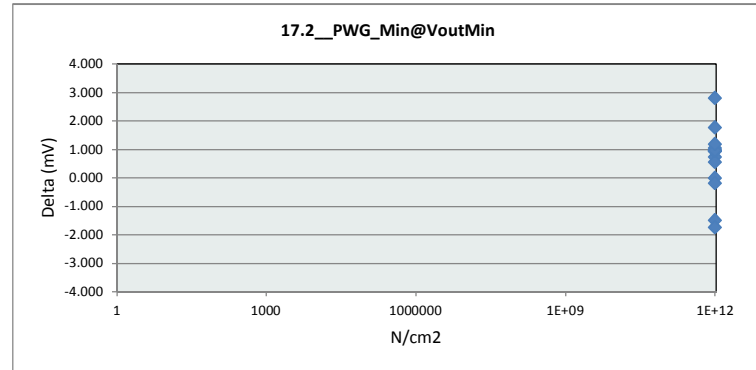
17.1_WGD_Trip_On_PCNT_Voutmin		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	%	
Min Limit	86.5	
	%	
N/cm2	0	1E+12
LL	86.500	86.500
Min	90.692	90.695
Average	91.159	91.078
Max	91.606	91.344
UL		



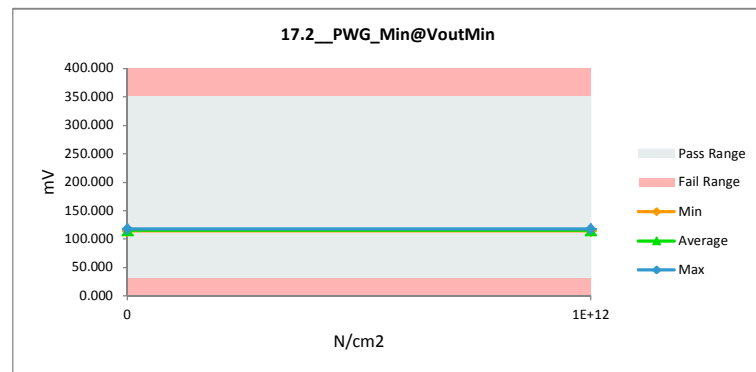
NDD Report - Parametric Drift Graphs TPS7H1101-SP

17.2_PWG_Min@VoutMin		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	350	350
Min Limit	30	30

N/cm2	Serial #	Pre	Post	Delta
0	114	115.919	115.919	0.000
0	115	114.970	114.970	0.000
0	116	116.138	116.138	0.000
0	117	115.659	115.659	0.000
0	118	114.946	114.946	0.000
0	101	114.565	114.565	0.000
0	103	115.574	115.574	0.000
0	104	115.113	115.113	0.000
0	105	115.543	115.543	0.000
0	106	115.273	115.273	0.000
0	107	115.953	115.953	0.000
0	108	117.503	117.503	0.000
0	109	115.742	115.742	0.000
0	111	117.307	117.307	0.000
0	113	117.184	117.184	0.000
1E+12	214	115.919	114.990	0.929
1E+12	215	114.970	114.238	0.732
1E+12	216	116.138	115.588	0.550
1E+12	217	115.659	114.733	0.926
1E+12	218	114.946	116.436	-1.490
1E+12	201	114.565	114.581	-0.016
1E+12	203	115.574	114.605	0.969
1E+12	204	115.113	114.074	1.039
1E+12	205	115.543	114.588	0.955
1E+12	206	115.273	114.327	0.946
1E+12	207	115.953	114.779	1.174
1E+12	208	117.503	115.732	1.771
1E+12	209	115.742	117.492	-1.750
1E+12	211	117.307	117.492	-0.185
1E+12	213	117.184	114.384	2.800
	Max	117.503	117.503	2.800
	Average	115.826	115.514	0.312
	Min	114.565	114.074	-1.750
	Std Dev	0.873	1.044	0.854



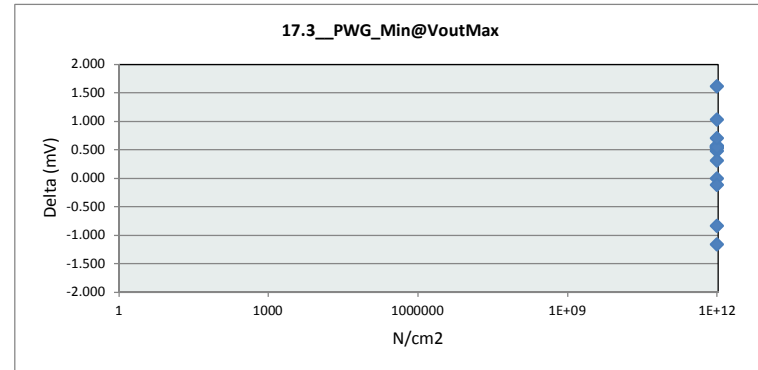
17.2_PWG_Min@VoutMin		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	350	mV
Min Limit	30	mV
N/cm2	0	1E+12
LL	30.000	30.000
Min	114.565	114.074
Average	115.826	115.203
Max	117.503	117.492
UL	350.000	350.000



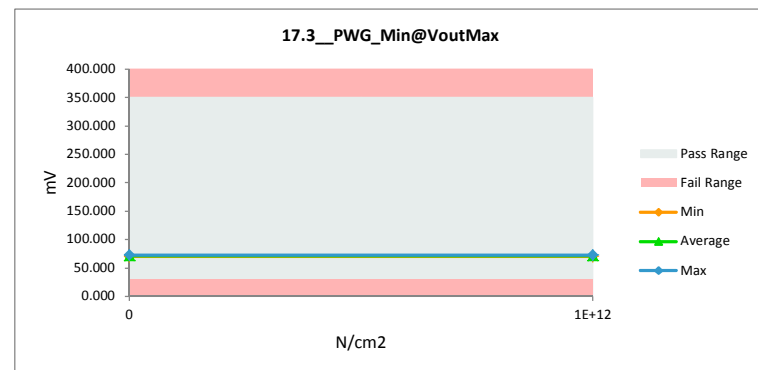
NDD Report - Parametric Drift Graphs TPS7H1101-SP

17.3_PWG_Min@VoutMax		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	350	350
Min Limit	30	30

N/cm2	Serial #	Pre	Post	Delta
0	114	71.513	71.513	0.000
0	115	70.912	70.912	0.000
0	116	72.075	72.075	0.000
0	117	71.247	71.247	0.000
0	118	71.146	71.146	0.000
0	101	70.640	70.640	0.000
0	103	71.504	71.504	0.000
0	104	70.789	70.789	0.000
0	105	71.062	71.062	0.000
0	106	71.012	71.012	0.000
0	107	71.999	71.999	0.000
0	108	72.433	72.433	0.000
0	109	71.228	71.228	0.000
0	111	72.267	72.267	0.000
0	113	72.180	72.180	0.000
1E+12	214	71.513	70.964	0.549
1E+12	215	70.912	70.438	0.474
1E+12	216	72.075	71.768	0.307
1E+12	217	71.247	70.727	0.520
1E+12	218	71.146	71.988	-0.842
1E+12	201	70.640	70.644	-0.004
1E+12	203	71.504	70.938	0.566
1E+12	204	70.789	70.217	0.572
1E+12	205	71.062	70.515	0.547
1E+12	206	71.012	70.466	0.546
1E+12	207	71.999	71.301	0.698
1E+12	208	72.433	71.408	1.025
1E+12	209	71.228	72.387	-1.159
1E+12	211	72.267	72.387	-0.120
1E+12	213	72.180	70.567	1.613
Max		72.433	72.433	1.613
Average		71.467	71.291	0.176
Min		70.640	70.217	-1.159
Std Dev		0.573	0.670	0.505



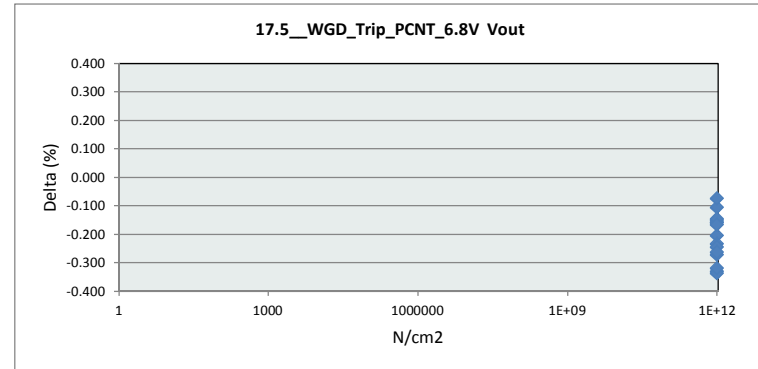
17.3_PWG_Min@VoutMax		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	350	mV
Min Limit	30	mV
N/cm2	0	1E+12
LL	30.000	30.000
Min	70.640	70.217
Average	71.467	71.114
Max	72.433	72.387
UL	350.000	350.000



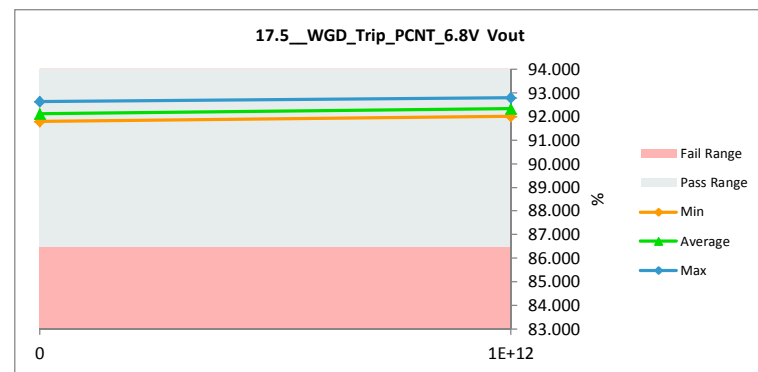
NDD Report - Parametric Drift Graphs TPS7H1101-SP

17.5_WGD_Trip_PCNT_6.8V Vout		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%	%
Max Limit		
Min Limit	86.5	86.5

N/cm2	Serial #	Pre	Post	Delta
0	114	91.962	91.962	0.000
0	115	92.531	92.531	0.000
0	116	92.078	92.078	0.000
0	117	91.935	91.935	0.000
0	118	92.276	92.276	0.000
0	101	92.137	92.137	0.000
0	103	91.788	91.788	0.000
0	104	92.588	92.588	0.000
0	105	91.942	91.942	0.000
0	106	92.257	92.257	0.000
0	107	91.882	91.882	0.000
0	108	92.644	92.644	0.000
0	109	91.892	91.892	0.000
0	111	92.135	92.135	0.000
0	113	91.848	91.848	0.000
1E+12	214	91.962	92.291	-0.329
1E+12	215	92.531	92.635	-0.104
1E+12	216	92.078	92.350	-0.272
1E+12	217	91.935	92.139	-0.204
1E+12	218	92.276	92.613	-0.337
1E+12	201	92.137	92.370	-0.233
1E+12	203	91.788	92.033	-0.245
1E+12	204	92.588	92.747	-0.159
1E+12	205	91.942	92.205	-0.263
1E+12	206	92.257	92.406	-0.149
1E+12	207	91.882	92.039	-0.157
1E+12	208	92.644	92.790	-0.146
1E+12	209	91.892	92.209	-0.317
1E+12	211	92.135	92.209	-0.074
1E+12	213	91.848	92.013	-0.165
	Max	92.644	92.790	0.000
	Average	92.126	92.231	-0.105
	Min	91.788	91.788	-0.337
	Std Dev	0.274	0.284	0.121



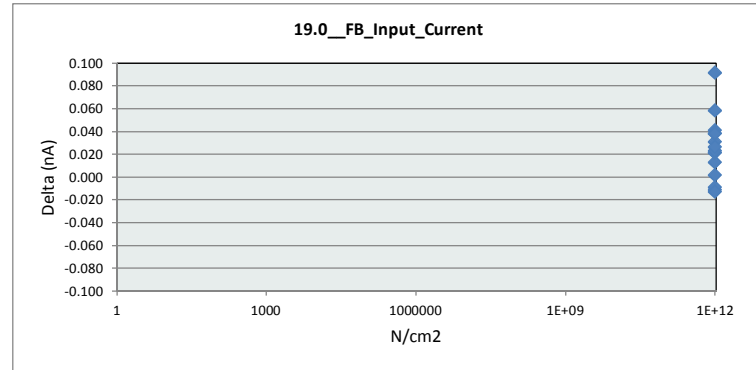
17.5_WGD_Trip_PCNT_6.8V Vout		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	%	
Min Limit	86.5	
	%	
N/cm2	0	1E+12
LL	86.500	86.500
Min	91.788	92.013
Average	92.126	92.337
Max	92.644	92.790
UL		



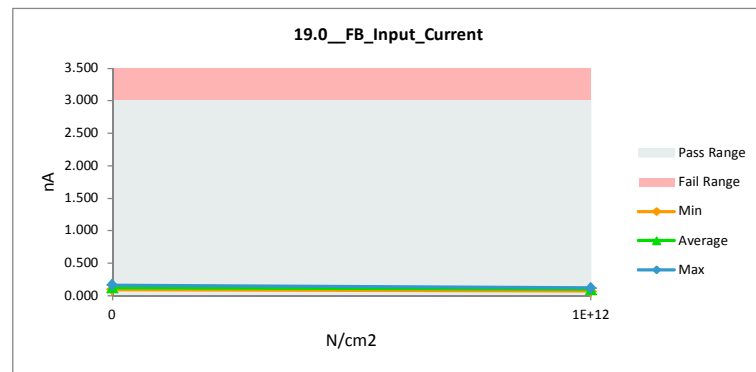
NDD Report - Parametric Drift Graphs TPS7H1101-SP

19.0_FB_Input_Current		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	3	3
Min Limit	0.005	0.005

N/cm2	Serial #	Pre	Post	Delta
0	114	0.116	0.116	0.000
0	115	0.126	0.126	0.000
0	116	0.095	0.095	0.000
0	117	0.097	0.097	0.000
0	118	0.091	0.091	0.000
0	101	0.156	0.156	0.000
0	103	0.156	0.156	0.000
0	104	0.109	0.109	0.000
0	105	0.131	0.131	0.000
0	106	0.125	0.125	0.000
0	107	0.129	0.129	0.000
0	108	0.107	0.107	0.000
0	109	0.135	0.135	0.000
0	111	0.096	0.096	0.000
0	113	0.158	0.158	0.000
1E+12	214	0.116	0.074	0.042
1E+12	215	0.126	0.095	0.031
1E+12	216	0.095	0.106	-0.011
1E+12	217	0.097	0.105	-0.008
1E+12	218	0.091	0.089	0.002
1E+12	201	0.156	0.097	0.059
1E+12	203	0.156	0.117	0.039
1E+12	204	0.109	0.096	0.013
1E+12	205	0.131	0.093	0.038
1E+12	206	0.125	0.103	0.022
1E+12	207	0.129	0.108	0.021
1E+12	208	0.107	0.084	0.023
1E+12	209	0.135	0.109	0.027
1E+12	211	0.096	0.109	-0.013
1E+12	213	0.158	0.066	0.092
Max		0.158	0.158	0.092
Average		0.122	0.109	0.013
Min		0.091	0.066	-0.013
Std Dev		0.022	0.023	0.023



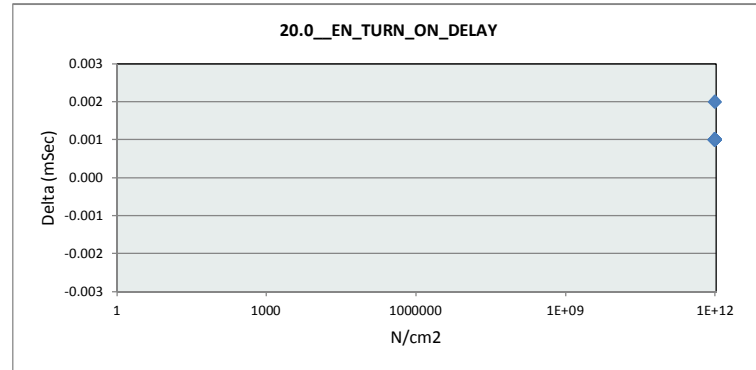
19.0_FB_Input_Current		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	3	nA
Min Limit	0.005	nA
N/cm2	0	1E+12
LL	0.005	0.005
Min	0.091	0.066
Average	0.122	0.097
Max	0.158	0.117
UL	3.000	3.000



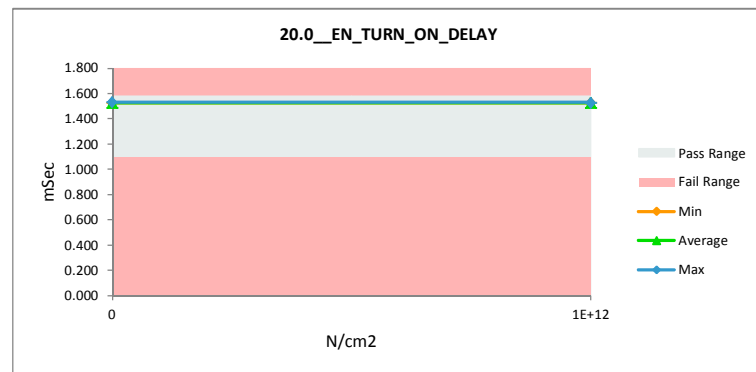
NDD Report - Parametric Drift Graphs TPS7H1101-SP

20.0_EN_TURN_ON_DELAY		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mSec	mSec
Max Limit	1.58	1.58
Min Limit	1.1	1.1

N/cm2	Serial #	Pre	Post	Delta
0	114	1.528	1.528	0.000
0	115	1.528	1.528	0.000
0	116	1.528	1.528	0.000
0	117	1.529	1.529	0.000
0	118	1.528	1.528	0.000
0	101	1.531	1.531	0.000
0	103	1.528	1.528	0.000
0	104	1.529	1.529	0.000
0	105	1.528	1.528	0.000
0	106	1.528	1.528	0.000
0	107	1.529	1.529	0.000
0	108	1.528	1.528	0.000
0	109	1.528	1.528	0.000
0	111	1.528	1.528	0.000
0	113	1.528	1.528	0.000
1E+12	214	1.528	1.527	0.001
1E+12	215	1.528	1.527	0.001
1E+12	216	1.528	1.527	0.001
1E+12	217	1.529	1.528	0.001
1E+12	218	1.528	1.527	0.001
1E+12	201	1.531	1.529	0.002
1E+12	203	1.528	1.527	0.001
1E+12	204	1.529	1.528	0.001
1E+12	205	1.528	1.527	0.001
1E+12	206	1.528	1.527	0.001
1E+12	207	1.529	1.528	0.001
1E+12	208	1.528	1.527	0.001
1E+12	209	1.528	1.527	0.001
1E+12	211	1.528	1.527	0.001
1E+12	213	1.528	1.527	0.001
	Max	1.531	1.531	0.002
	Average	1.528	1.528	0.001
	Min	1.528	1.527	0.000
	Std Dev	0.001	0.001	0.001



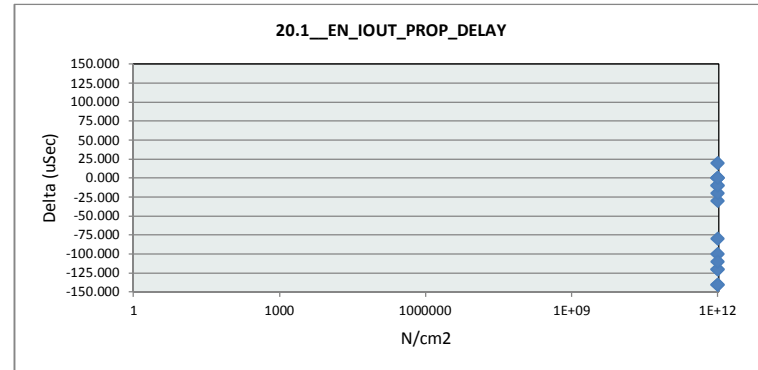
20.0_EN_TURN_ON_DELAY		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.58	mSec
Min Limit	1.1	mSec
N/cm2	0	1E+12
LL	1.100	1.100
Min	1.528	1.527
Average	1.528	1.527
Max	1.531	1.529
UL	1.580	1.580



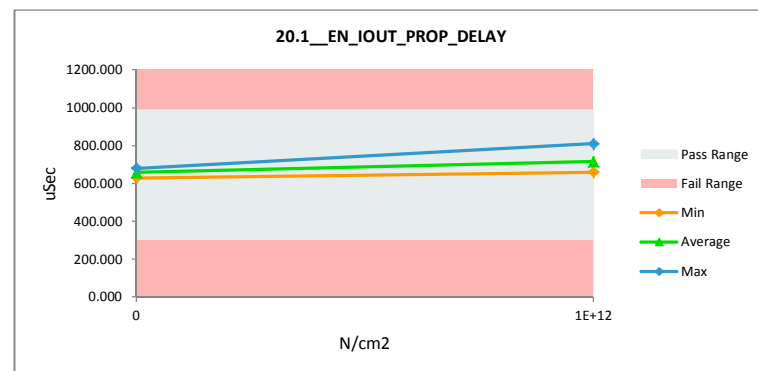
NDD Report - Parametric Drift Graphs TPS7H1101-SP

20.1_EN_IOUT_PROP_DELAY		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uSec	uSec
Max Limit	990	990
Min Limit	300	300

N/cm2	Serial #	Pre	Post	Delta
0	114	670.000	670.000	0.000
0	115	640.000	640.000	0.000
0	116	670.000	670.000	0.000
0	117	670.000	670.000	0.000
0	118	640.000	640.000	0.000
0	101	640.000	640.000	0.000
0	103	670.000	670.000	0.000
0	104	670.000	670.000	0.000
0	105	660.000	660.000	0.000
0	106	660.000	660.000	0.000
0	107	680.000	680.000	0.000
0	108	640.000	640.000	0.000
0	109	660.000	660.000	0.000
0	111	670.000	670.000	0.000
0	113	630.000	630.000	0.000
1E+12	214	670.000	670.000	0.000
1E+12	215	640.000	670.000	-30.000
1E+12	216	670.000	670.000	0.000
1E+12	217	670.000	680.000	-10.000
1E+12	218	640.000	660.000	-20.000
1E+12	201	640.000	760.000	-120.000
1E+12	203	670.000	810.000	-140.000
1E+12	204	670.000	770.000	-100.000
1E+12	205	660.000	740.000	-80.000
1E+12	206	660.000	780.000	-120.000
1E+12	207	680.000	660.000	20.000
1E+12	208	640.000	780.000	-140.000
1E+12	209	660.000	670.000	-10.000
1E+12	211	670.000	670.000	0.000
1E+12	213	630.000	740.000	-110.000
Max		680.000	810.000	20.000
Average		658.000	686.667	-28.667
Min		630.000	630.000	-140.000
Std Dev		15.403	48.872	50.428



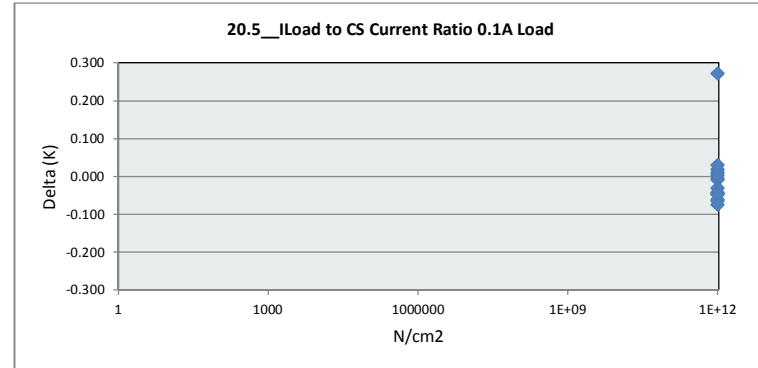
20.1_EN_IOUT_PROP_DELAY		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	990	uSec
Min Limit	300	uSec
N/cm2	0	1E+12
LL	300.000	300.000
Min	630.000	660.000
Average	658.000	715.333
Max	680.000	810.000
UL	990.000	990.000



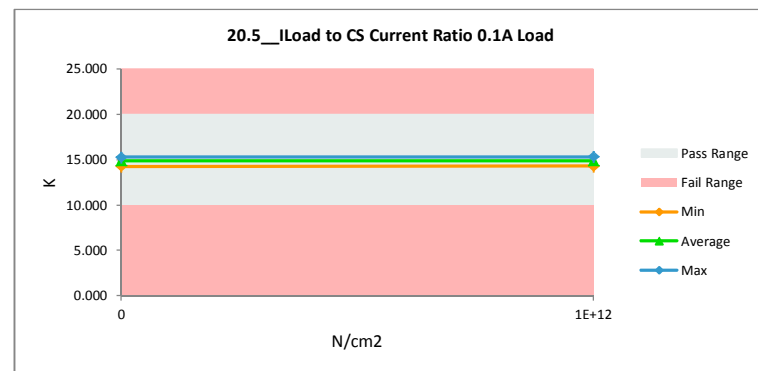
NDD Report - Parametric Drift Graphs TPS7H1101-SP

20.5_Iload to CS Current Ratio 0.1A Load		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	K	K
Max Limit	20	20
Min Limit	10	10

N/cm2	Serial #	Pre	Post	Delta
0	114	15.006	15.006	0.000
0	115	15.010	15.010	0.000
0	116	14.283	14.283	0.000
0	117	15.126	15.126	0.000
0	118	14.885	14.885	0.000
0	101	14.946	14.946	0.000
0	103	14.964	14.964	0.000
0	104	15.289	15.289	0.000
0	105	15.077	15.077	0.000
0	106	15.004	15.004	0.000
0	107	14.670	14.670	0.000
0	108	14.874	14.874	0.000
0	109	14.968	14.968	0.000
0	111	14.726	14.726	0.000
0	113	14.899	14.899	0.000
1E+12	214	15.006	15.011	-0.005
1E+12	215	15.010	15.074	-0.064
1E+12	216	14.283	14.291	-0.008
1E+12	217	15.126	15.157	-0.031
1E+12	218	14.885	14.875	0.010
1E+12	201	14.946	14.991	-0.045
1E+12	203	14.964	15.025	-0.061
1E+12	204	15.289	15.331	-0.042
1E+12	205	15.077	15.121	-0.044
1E+12	206	15.004	15.051	-0.047
1E+12	207	14.670	14.652	0.018
1E+12	208	14.874	14.871	0.003
1E+12	209	14.968	14.696	0.272
1E+12	211	14.726	14.696	0.030
1E+12	213	14.899	14.973	-0.074
Max		15.289	15.331	0.272
Average		14.915	14.918	-0.003
Min		14.283	14.283	-0.074
Std Dev		0.226	0.238	0.058



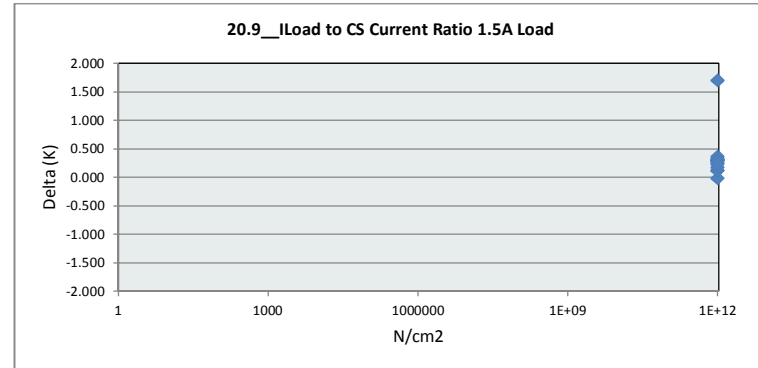
20.5_Iload to CS Current Ratio 0.1A Load		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	20	K
Min Limit	10	K
N/cm2	0	1E+12
LL	10.000	10.000
Min	14.283	14.291
Average	14.915	14.921
Max	15.289	15.331
UL	20.000	20.000



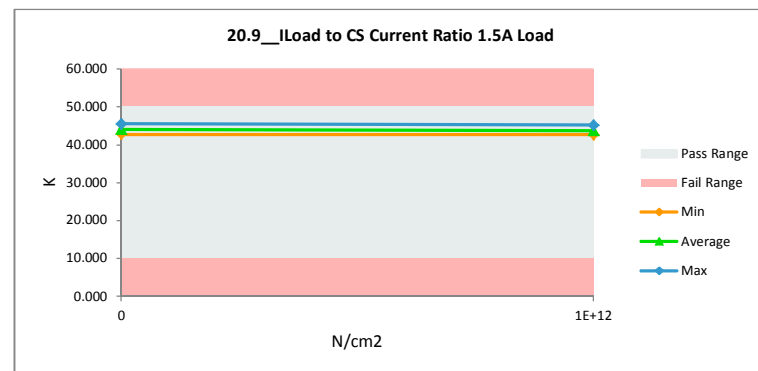
NDD Report - Parametric Drift Graphs TPS7H1101-SP

20.9_Iload to CS Current Ratio 1.5A Load		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	K	K
Max Limit	50	50
Min Limit	10	10

N/cm2	Serial #	Pre	Post	Delta
0	114	43.997	43.997	0.000
0	115	44.384	44.384	0.000
0	116	42.773	42.773	0.000
0	117	44.509	44.509	0.000
0	118	43.961	43.961	0.000
0	101	44.268	44.268	0.000
0	103	43.975	43.975	0.000
0	104	45.506	45.506	0.000
0	105	44.572	44.572	0.000
0	106	44.123	44.123	0.000
0	107	43.007	43.007	0.000
0	108	44.340	44.340	0.000
0	109	44.700	44.700	0.000
0	111	43.285	43.285	0.000
0	113	44.274	44.274	0.000
1E+12	214	43.997	43.746	0.251
1E+12	215	44.384	44.396	-0.012
1E+12	216	42.773	42.654	0.119
1E+12	217	44.509	44.389	0.120
1E+12	218	43.961	43.786	0.175
1E+12	201	44.268	43.909	0.359
1E+12	203	43.975	43.675	0.300
1E+12	204	45.506	45.205	0.301
1E+12	205	44.572	44.261	0.311
1E+12	206	44.123	43.825	0.298
1E+12	207	43.007	42.713	0.294
1E+12	208	44.340	44.008	0.332
1E+12	209	44.700	43.003	1.697
1E+12	211	43.285	43.003	0.282
1E+12	213	44.274	44.045	0.229
	Max	45.506	45.506	1.697
	Average	44.112	43.943	0.169
	Min	42.773	42.654	-0.012
	Std Dev	0.674	0.700	0.320



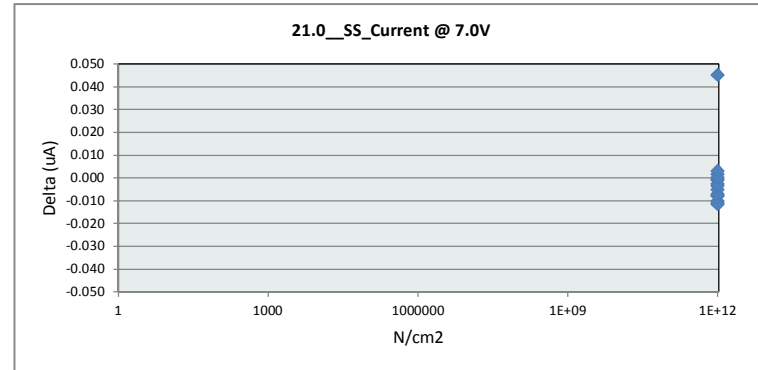
20.9_Iload to CS Current Ratio 1.5A Load		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	50	K
Min Limit	10	K
N/cm2	0	1E+12
LL	10.000	10.000
Min	42.773	42.654
Average	44.112	43.775
Max	45.506	45.205
UL	50.000	50.000



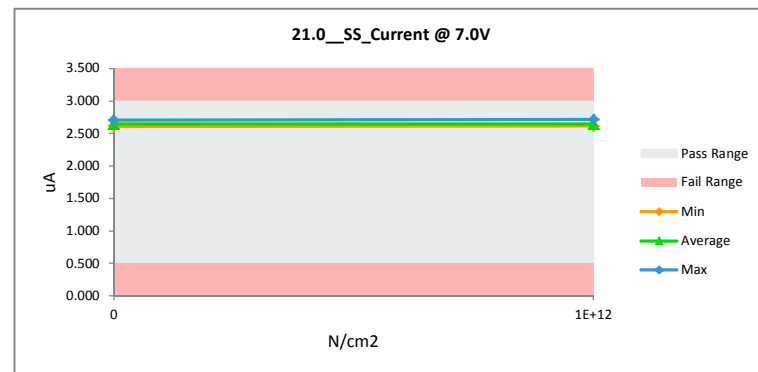
NDD Report - Parametric Drift Graphs TPS7H1101-SP

21.0_SS Current @ 7.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	3	3
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	2.656	2.656	0.000
0	115	2.652	2.652	0.000
0	116	2.710	2.710	0.000
0	117	2.615	2.615	0.000
0	118	2.669	2.669	0.000
0	101	2.620	2.620	0.000
0	103	2.612	2.612	0.000
0	104	2.670	2.670	0.000
0	105	2.625	2.625	0.000
0	106	2.634	2.634	0.000
0	107	2.635	2.635	0.000
0	108	2.689	2.689	0.000
0	109	2.673	2.673	0.000
0	111	2.616	2.616	0.000
0	113	2.666	2.666	0.000
1E+12	214	2.656	2.664	-0.008
1E+12	215	2.652	2.659	-0.007
1E+12	216	2.710	2.720	-0.010
1E+12	217	2.615	2.620	-0.005
1E+12	218	2.669	2.680	-0.011
1E+12	201	2.620	2.628	-0.008
1E+12	203	2.612	2.615	-0.003
1E+12	204	2.670	2.671	-0.001
1E+12	205	2.625	2.626	-0.001
1E+12	206	2.634	2.638	-0.004
1E+12	207	2.635	2.634	0.001
1E+12	208	2.689	2.689	0.000
1E+12	209	2.673	2.628	0.045
1E+12	211	2.616	2.628	-0.012
1E+12	213	2.666	2.663	0.003
	Max	2.710	2.720	0.045
	Average	2.650	2.650	-0.001
	Min	2.612	2.612	-0.012
	Std Dev	0.029	0.029	0.009



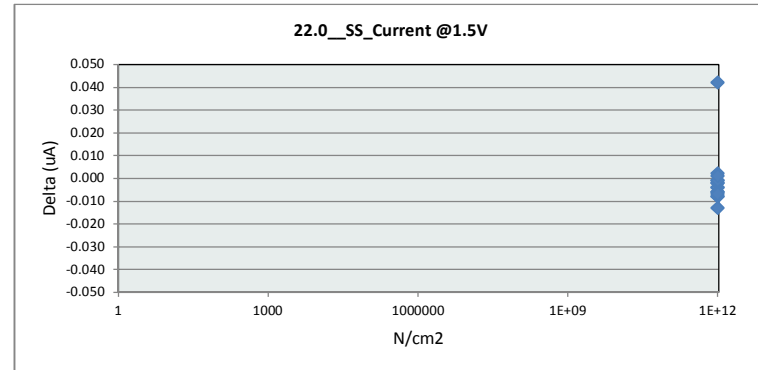
21.0_SS Current @ 7.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	3	uA
Min Limit	0.5	uA
N/cm2	0	1E+12
LL	0.500	0.500
Min	2.612	2.615
Average	2.650	2.651
Max	2.710	2.720
UL	3.000	3.000



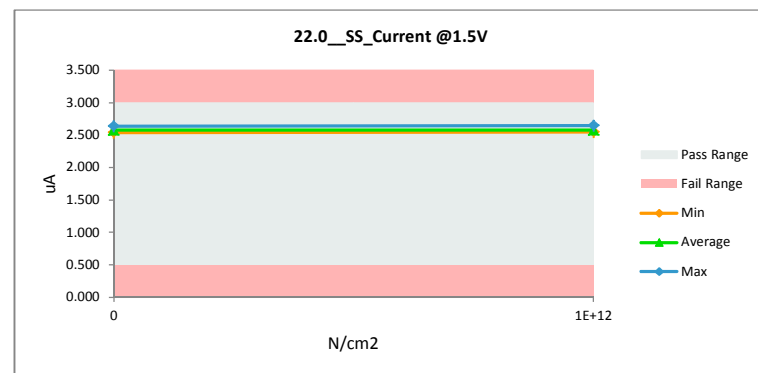
NDD Report - Parametric Drift Graphs TPS7H1101-SP

22.0_SS Current @1.5V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	3	3
Min Limit	0.5	0.5

N/cm2	Serial #	Pre	Post	Delta
0	114	2.585	2.585	0.000
0	115	2.584	2.584	0.000
0	116	2.640	2.640	0.000
0	117	2.541	2.541	0.000
0	118	2.592	2.592	0.000
0	101	2.548	2.548	0.000
0	103	2.543	2.543	0.000
0	104	2.597	2.597	0.000
0	105	2.551	2.551	0.000
0	106	2.561	2.561	0.000
0	107	2.570	2.570	0.000
0	108	2.614	2.614	0.000
0	109	2.599	2.599	0.000
0	111	2.550	2.550	0.000
0	113	2.590	2.590	0.000
1E+12	214	2.585	2.593	-0.008
1E+12	215	2.584	2.588	-0.004
1E+12	216	2.640	2.644	-0.004
1E+12	217	2.541	2.547	-0.006
1E+12	218	2.592	2.605	-0.013
1E+12	201	2.548	2.556	-0.008
1E+12	203	2.543	2.544	-0.001
1E+12	204	2.597	2.599	-0.002
1E+12	205	2.551	2.553	-0.002
1E+12	206	2.561	2.567	-0.006
1E+12	207	2.570	2.568	0.002
1E+12	208	2.614	2.615	-0.001
1E+12	209	2.599	2.557	0.042
1E+12	211	2.550	2.557	-0.007
1E+12	213	2.590	2.589	0.001
	Max	2.640	2.644	0.042
	Average	2.578	2.578	-0.001
	Min	2.541	2.541	-0.013
	Std Dev	0.028	0.028	0.009



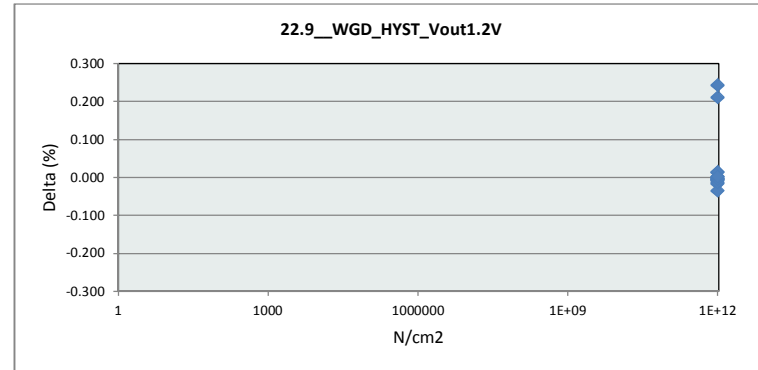
22.0_SS Current @1.5V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	3	uA
Min Limit	0.5	uA
N/cm2	0	1E+12
LL	0.500	0.500
Min	2.541	2.544
Average	2.578	2.579
Max	2.640	2.644
UL	3.000	3.000



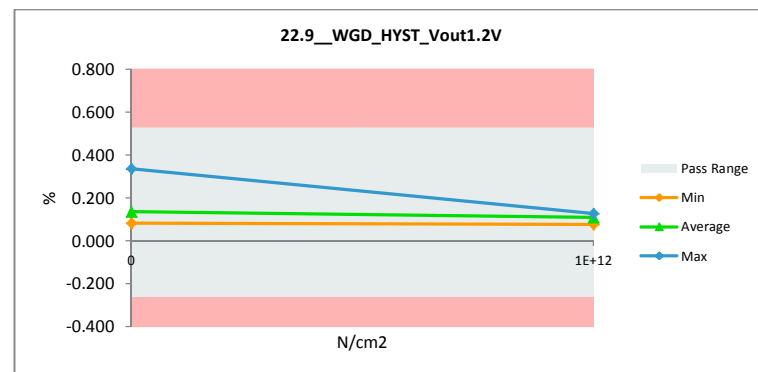
NDD Report - Parametric Drift Graphs TPS7H1101-SP

22.9_WGD_HYST_Vout1.2V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%	%
Max Limit	0.525	0.525
Min Limit	-0.261	-0.261

N/cm2	Serial #	Pre	Post	Delta
0	114	0.337	0.337	0.000
0	115	0.091	0.091	0.000
0	116	0.111	0.111	0.000
0	117	0.110	0.110	0.000
0	118	0.328	0.328	0.000
0	101	0.118	0.118	0.000
0	103	0.106	0.106	0.000
0	104	0.086	0.086	0.000
0	105	0.097	0.097	0.000
0	106	0.111	0.111	0.000
0	107	0.120	0.120	0.000
0	108	0.083	0.083	0.000
0	109	0.117	0.117	0.000
0	111	0.099	0.099	0.000
0	113	0.121	0.121	0.000
1E+12	214	0.337	0.125	0.212
1E+12	215	0.091	0.077	0.014
1E+12	216	0.111	0.112	-0.001
1E+12	217	0.110	0.107	0.003
1E+12	218	0.328	0.085	0.243
1E+12	201	0.118	0.121	-0.003
1E+12	203	0.106	0.122	-0.016
1E+12	204	0.086	0.121	-0.035
1E+12	205	0.097	0.103	-0.006
1E+12	206	0.111	0.116	-0.005
1E+12	207	0.120	0.127	-0.007
1E+12	208	0.083	0.095	-0.012
1E+12	209	0.117	0.103	0.014
1E+12	211	0.099	0.103	-0.004
1E+12	213	0.121	0.118	0.003
Max		0.337	0.337	0.243
Average		0.136	0.122	0.013
Min		0.083	0.077	-0.035
Std Dev		0.079	0.059	0.059



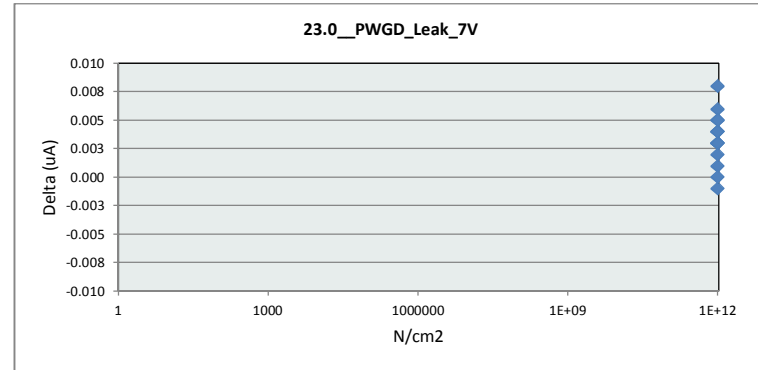
22.9_WGD_HYST_Vout1.2V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.525	%
Min Limit	-0.261	%
N/cm2	0	1E+12
LL	-0.261	-0.261
Min	0.083	0.077
Average	0.136	0.109
Max	0.337	0.127
UL	0.525	0.525



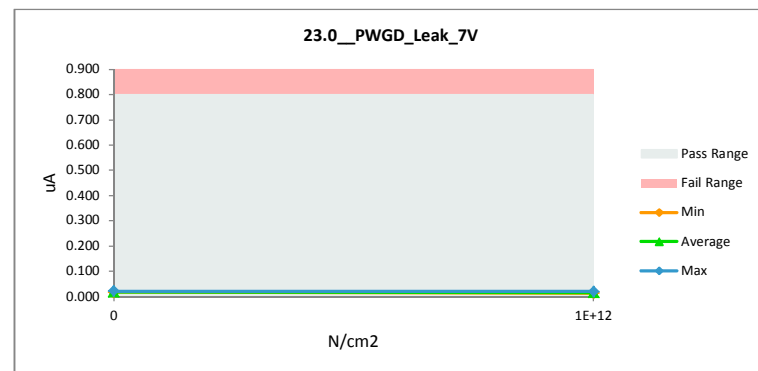
NDD Report - Parametric Drift Graphs TPS7H1101-SP

23.0_PWGD_Leak_7V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	uA	uA
Max Limit	0.8	0.8
Min Limit	0.001	0.001

N/cm2	Serial #	Pre	Post	Delta
0	114	0.019	0.019	0.000
0	115	0.018	0.018	0.000
0	116	0.019	0.019	0.000
0	117	0.019	0.019	0.000
0	118	0.019	0.019	0.000
0	101	0.017	0.017	0.000
0	103	0.018	0.018	0.000
0	104	0.017	0.017	0.000
0	105	0.019	0.019	0.000
0	106	0.018	0.018	0.000
0	107	0.020	0.020	0.000
0	108	0.021	0.021	0.000
0	109	0.019	0.019	0.000
0	111	0.021	0.021	0.000
0	113	0.021	0.021	0.000
1E+12	214	0.019	0.015	0.004
1E+12	215	0.018	0.015	0.003
1E+12	216	0.019	0.016	0.003
1E+12	217	0.019	0.014	0.005
1E+12	218	0.019	0.020	-0.001
1E+12	201	0.017	0.016	0.001
1E+12	203	0.018	0.015	0.003
1E+12	204	0.017	0.013	0.004
1E+12	205	0.019	0.013	0.006
1E+12	206	0.018	0.015	0.003
1E+12	207	0.020	0.016	0.004
1E+12	208	0.021	0.016	0.005
1E+12	209	0.019	0.019	0.000
1E+12	211	0.021	0.019	0.002
1E+12	213	0.021	0.013	0.008
Max		0.021	0.021	0.008
Average		0.019	0.017	0.002
Min		0.017	0.013	-0.001
Std Dev		0.001	0.002	0.002



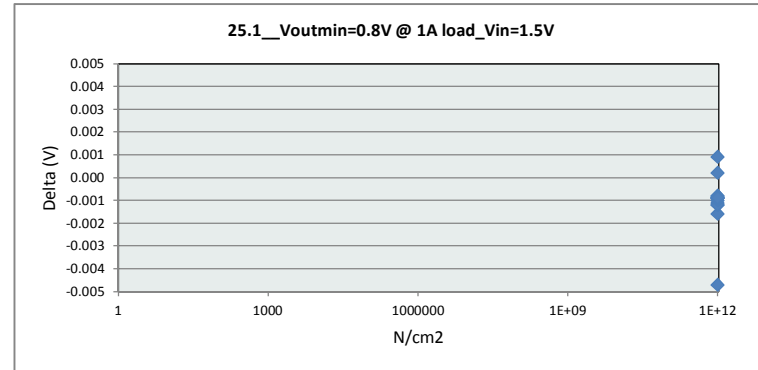
23.0_PWGD_Leak_7V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.8	uA
Min Limit	0.001	uA
N/cm2	0	1E+12
LL	0.001	0.001
Min	0.017	0.013
Average	0.019	0.016
Max	0.021	0.020
UL	0.800	0.800



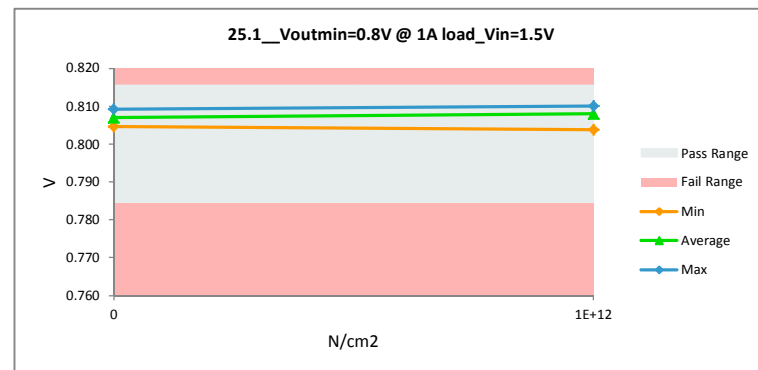
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.1 Voutmin=0.8V @ 1A load_Vin=1.5		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.8156	0.8156
Min Limit	0.7844	0.7844

N/cm2	Serial #	Pre	Post	Delta
0	114	0.806	0.806	0.000
0	115	0.808	0.808	0.000
0	116	0.806	0.806	0.000
0	117	0.809	0.809	0.000
0	118	0.806	0.806	0.000
0	101	0.807	0.807	0.000
0	103	0.807	0.807	0.000
0	104	0.805	0.805	0.000
0	105	0.807	0.807	0.000
0	106	0.807	0.807	0.000
0	107	0.809	0.809	0.000
0	108	0.805	0.805	0.000
0	109	0.805	0.805	0.000
0	111	0.809	0.809	0.000
0	113	0.808	0.808	0.000
1E+12	214	0.806	0.808	-0.002
1E+12	215	0.808	0.808	0.000
1E+12	216	0.806	0.807	-0.001
1E+12	217	0.809	0.810	-0.001
1E+12	218	0.806	0.807	-0.001
1E+12	201	0.807	0.808	-0.001
1E+12	203	0.807	0.808	-0.001
1E+12	204	0.805	0.806	-0.001
1E+12	205	0.807	0.808	-0.001
1E+12	206	0.807	0.808	-0.001
1E+12	207	0.809	0.810	-0.001
1E+12	208	0.805	0.804	0.001
1E+12	209	0.805	0.810	-0.005
1E+12	211	0.809	0.810	-0.001
1E+12	213	0.808	0.809	-0.001
	Max	0.809	0.810	0.001
	Average	0.807	0.808	-0.001
	Min	0.805	0.804	-0.005
	Std Dev	0.001	0.002	0.001



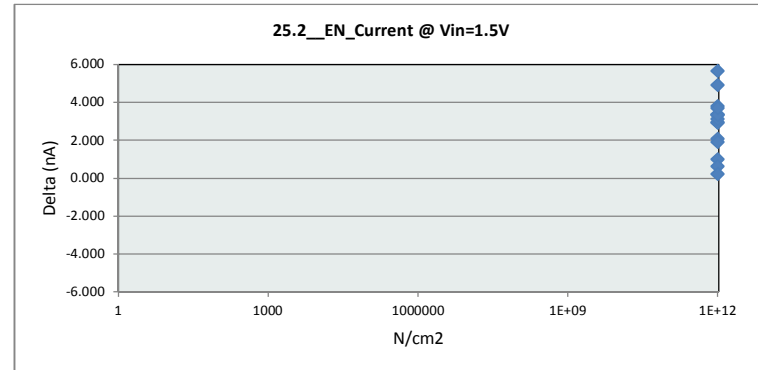
25.1 Voutmin=0.8V @ 1A load_Vin=1.5V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.8156	V
Min Limit	0.7844	V
N/cm2	0	1E+12
LL	0.784	0.784
Min	0.805	0.804
Average	0.807	0.808
Max	0.809	0.810
UL	0.816	0.816



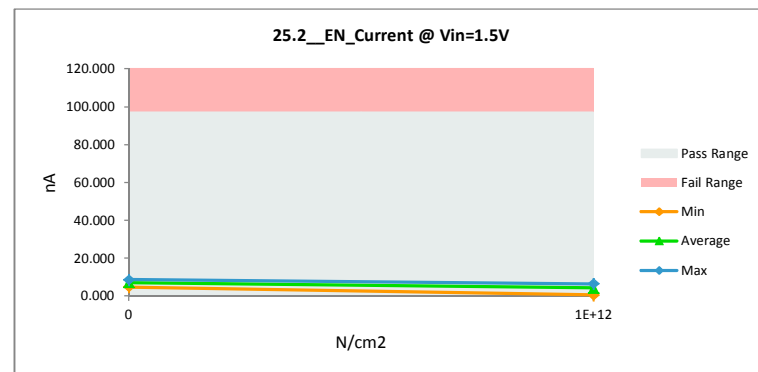
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.2_EN_Current @ Vin=1.5V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	97	97
Min Limit	0.0005	0.0005

N/cm2	Serial #	Pre	Post	Delta
0	114	7.469	7.469	0.000
0	115	5.967	5.967	0.000
0	116	8.119	8.119	0.000
0	117	8.267	8.267	0.000
0	118	8.048	8.048	0.000
0	101	5.498	5.498	0.000
0	103	6.875	6.875	0.000
0	104	4.716	4.716	0.000
0	105	7.759	7.759	0.000
0	106	7.148	7.148	0.000
0	107	7.000	7.000	0.000
0	108	7.610	7.610	0.000
0	109	8.306	8.306	0.000
0	111	6.883	6.883	0.000
0	113	8.666	8.666	0.000
1E+12	214	7.469	6.470	0.999
1E+12	215	5.967	5.351	0.616
1E+12	216	8.119	5.211	2.908
1E+12	217	8.267	2.613	5.654
1E+12	218	8.048	5.101	2.947
1E+12	201	5.498	0.610	4.887
1E+12	203	6.875	3.521	3.354
1E+12	204	4.716	4.506	0.209
1E+12	205	7.759	4.413	3.346
1E+12	206	7.148	5.078	2.071
1E+12	207	7.000	3.873	3.127
1E+12	208	7.610	3.818	3.792
1E+12	209	8.306	4.984	3.323
1E+12	211	6.883	4.984	1.899
1E+12	213	8.666	4.976	3.690
Max		8.666	8.666	5.654
Average		7.222	5.795	1.427
Min		4.716	0.610	0.000
Std Dev		1.097	1.906	1.785



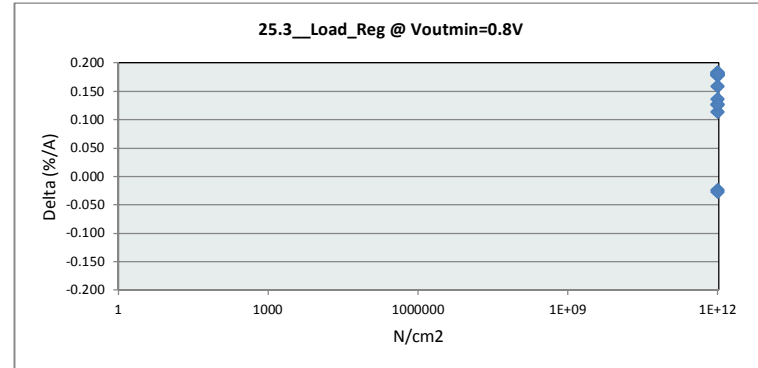
25.2_EN_Current @ Vin=1.5V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	97	nA
Min Limit	0.0005	nA
N/cm2	0	1E+12
LL	0.001	0.001
Min	4.716	0.611
Average	7.222	4.367
Max	8.666	6.470
UL	97.000	97.000



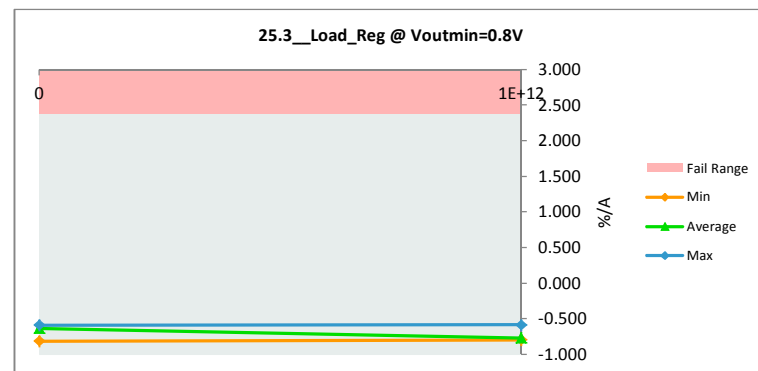
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.3 Load_Reg @ Voutmin=0.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%/A	%/A
Max Limit	2.3685	2.3685
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	-0.613	-0.613	0.000
0	115	-0.813	-0.813	0.000
0	116	-0.653	-0.653	0.000
0	117	-0.654	-0.654	0.000
0	118	-0.661	-0.661	0.000
0	101	-0.601	-0.601	0.000
0	103	-0.612	-0.612	0.000
0	104	-0.619	-0.619	0.000
0	105	-0.605	-0.605	0.000
0	106	-0.613	-0.613	0.000
0	107	-0.603	-0.603	0.000
0	108	-0.613	-0.613	0.000
0	109	-0.623	-0.623	0.000
0	111	-0.590	-0.590	0.000
0	113	-0.609	-0.609	0.000
1E+12	214	-0.613	-0.791	0.178
1E+12	215	-0.813	-0.790	-0.023
1E+12	216	-0.653	-0.780	0.127
1E+12	217	-0.654	-0.791	0.137
1E+12	218	-0.661	-0.775	0.114
1E+12	201	-0.601	-0.783	0.182
1E+12	203	-0.612	-0.795	0.183
1E+12	204	-0.619	-0.796	0.178
1E+12	205	-0.605	-0.788	0.183
1E+12	206	-0.613	-0.793	0.180
1E+12	207	-0.603	-0.783	0.179
1E+12	208	-0.613	-0.586	-0.027
1E+12	209	-0.623	-0.748	0.126
1E+12	211	-0.590	-0.748	0.158
1E+12	213	-0.609	-0.790	0.180
	Max	-0.590	-0.586	0.183
	Average	-0.632	-0.701	0.068
	Min	-0.813	-0.813	-0.027
	Std Dev	0.053	0.087	0.085



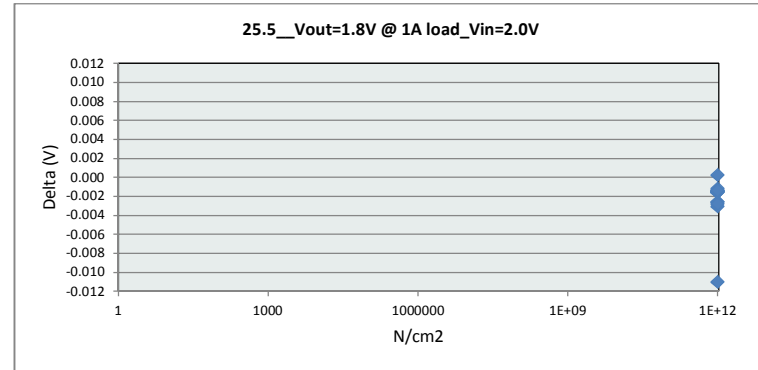
25.3 Load_Reg @ Voutmin=0.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	2.3685	
Min Limit		
N/cm2	0	1E+12
LL		
Min	-0.813	-0.796
Average	-0.632	-0.769
Max	-0.590	-0.587
UL	2.369	2.369



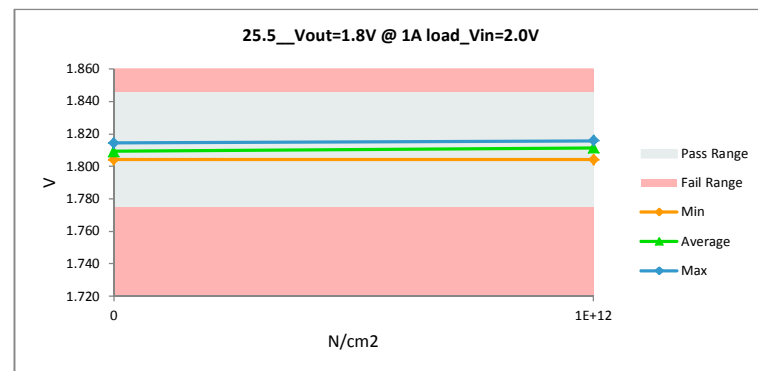
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.5_Vout=1.8V @ 1A load_Vin=2.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8453	1.8453
Min Limit	1.7747	1.7747

N/cm2	Serial #	Pre	Post	Delta
0	114	1.808	1.808	0.000
0	115	1.809	1.809	0.000
0	116	1.807	1.807	0.000
0	117	1.813	1.813	0.000
0	118	1.807	1.807	0.000
0	101	1.809	1.809	0.000
0	103	1.810	1.810	0.000
0	104	1.805	1.805	0.000
0	105	1.810	1.810	0.000
0	106	1.810	1.810	0.000
0	107	1.814	1.814	0.000
0	108	1.804	1.804	0.000
0	109	1.804	1.804	0.000
0	111	1.814	1.814	0.000
0	113	1.813	1.813	0.000
1E+12	214	1.808	1.811	-0.003
1E+12	215	1.809	1.811	-0.001
1E+12	216	1.807	1.810	-0.003
1E+12	217	1.813	1.816	-0.003
1E+12	218	1.807	1.810	-0.003
1E+12	201	1.809	1.811	-0.002
1E+12	203	1.810	1.811	-0.002
1E+12	204	1.805	1.806	-0.001
1E+12	205	1.810	1.811	-0.002
1E+12	206	1.810	1.812	-0.002
1E+12	207	1.814	1.816	-0.001
1E+12	208	1.804	1.804	0.000
1E+12	209	1.804	1.816	-0.011
1E+12	211	1.814	1.816	-0.002
1E+12	213	1.813	1.814	-0.001
Max		1.814	1.816	0.000
Average		1.809	1.810	-0.001
Min		1.804	1.804	-0.011
Std Dev		0.003	0.004	0.002



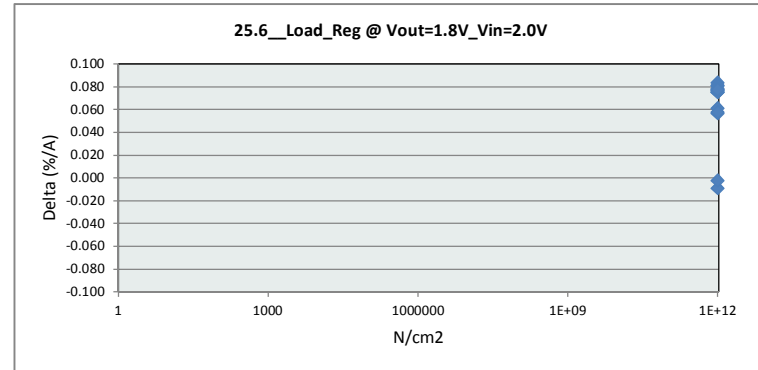
25.5_Vout=1.8V @ 1A load_Vin=2.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.8453	V
Min Limit	1.7747	V
N/cm2	0	1E+12
LL	1.775	1.775
Min	1.804	1.804
Average	1.809	1.812
Max	1.815	1.816
UL	1.845	1.845



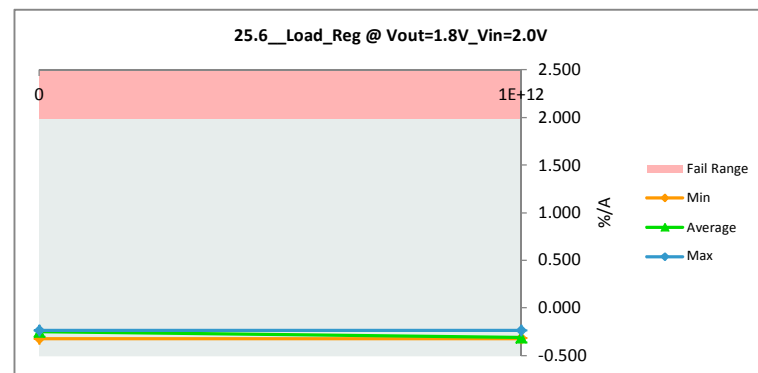
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.6 Load_Reg @ Vout=1.8V_Vin=2.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%/A	%/A
Max Limit	1.9866	1.9866
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	-0.237	-0.237	0.000
0	115	-0.326	-0.326	0.000
0	116	-0.261	-0.261	0.000
0	117	-0.257	-0.257	0.000
0	118	-0.259	-0.259	0.000
0	101	-0.240	-0.240	0.000
0	103	-0.240	-0.240	0.000
0	104	-0.240	-0.240	0.000
0	105	-0.241	-0.241	0.000
0	106	-0.241	-0.241	0.000
0	107	-0.241	-0.241	0.000
0	108	-0.242	-0.242	0.000
0	109	-0.239	-0.239	0.000
0	111	-0.238	-0.238	0.000
0	113	-0.237	-0.237	0.000
1E+12	214	-0.237	-0.320	0.083
1E+12	215	-0.326	-0.317	-0.009
1E+12	216	-0.261	-0.317	0.056
1E+12	217	-0.257	-0.317	0.061
1E+12	218	-0.259	-0.317	0.057
1E+12	201	-0.240	-0.321	0.081
1E+12	203	-0.240	-0.321	0.081
1E+12	204	-0.240	-0.317	0.077
1E+12	205	-0.241	-0.319	0.078
1E+12	206	-0.241	-0.317	0.077
1E+12	207	-0.241	-0.316	0.075
1E+12	208	-0.242	-0.239	-0.003
1E+12	209	-0.239	-0.314	0.075
1E+12	211	-0.238	-0.314	0.075
1E+12	213	-0.237	-0.315	0.077
	Max	-0.237	-0.237	0.083
	Average	-0.249	-0.281	0.031
	Min	-0.326	-0.326	-0.009
	Std Dev	0.022	0.038	0.038



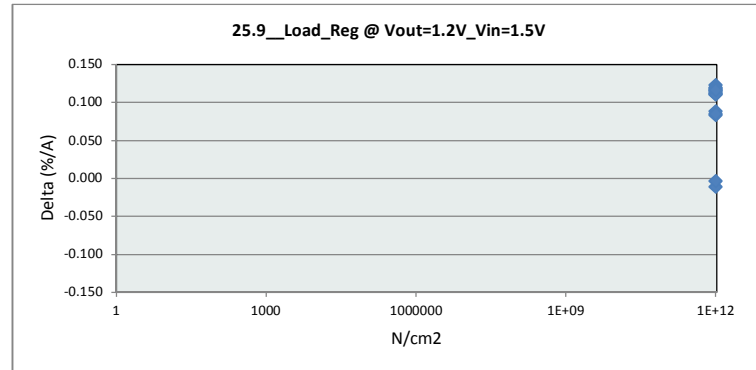
25.6 Load_Reg @ Vout=1.8V_Vin=2.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.9866	%/A
Min Limit		%/A
N/cm2	0	1E+12
LL		
Min	-0.326	-0.321
Average	-0.249	-0.312
Max	-0.237	-0.239
UL	1.987	1.987



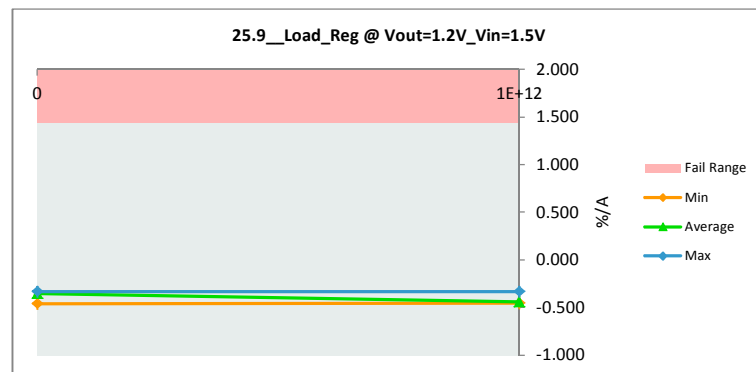
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.9 Load_Reg @ Vout=1.2V_Vin=1.5V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%/A	%/A
Max Limit	1.4358	1.4358
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	-0.334	-0.334	0.000
0	115	-0.464	-0.464	0.000
0	116	-0.367	-0.367	0.000
0	117	-0.363	-0.363	0.000
0	118	-0.366	-0.366	0.000
0	101	-0.336	-0.336	0.000
0	103	-0.337	-0.337	0.000
0	104	-0.339	-0.339	0.000
0	105	-0.337	-0.337	0.000
0	106	-0.337	-0.337	0.000
0	107	-0.339	-0.339	0.000
0	108	-0.338	-0.338	0.000
0	109	-0.335	-0.335	0.000
0	111	-0.337	-0.337	0.000
0	113	-0.333	-0.333	0.000
1E+12	214	-0.334	-0.457	0.123
1E+12	215	-0.464	-0.452	-0.012
1E+12	216	-0.367	-0.450	0.083
1E+12	217	-0.363	-0.451	0.088
1E+12	218	-0.366	-0.451	0.085
1E+12	201	-0.336	-0.456	0.120
1E+12	203	-0.337	-0.455	0.118
1E+12	204	-0.339	-0.452	0.113
1E+12	205	-0.337	-0.454	0.117
1E+12	206	-0.337	-0.452	0.115
1E+12	207	-0.339	-0.450	0.111
1E+12	208	-0.338	-0.335	-0.003
1E+12	209	-0.335	-0.447	0.111
1E+12	211	-0.337	-0.447	0.110
1E+12	213	-0.333	-0.449	0.116
	Max	-0.333	-0.333	0.123
	Average	-0.351	-0.397	0.046
	Min	-0.464	-0.464	-0.012
	Std Dev	0.033	0.057	0.056



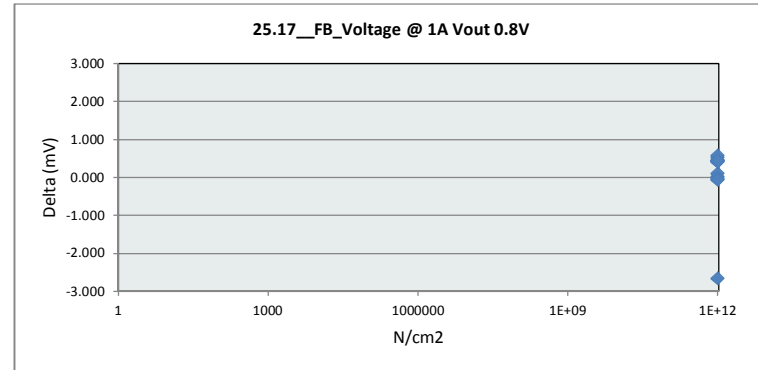
25.9 Load_Reg @ Vout=1.2V_Vin=1.5V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.4358 %/A	
Min Limit	%/A	
N/cm2	0	1E+12
LL		
Min	-0.464	-0.457
Average	-0.351	-0.444
Max	-0.333	-0.335
UL	1.436	1.436



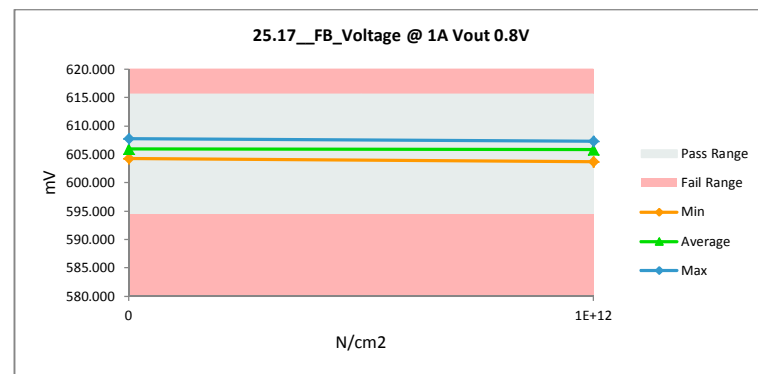
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.17_FB_Voltage @ 1A Vout 0.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	615.587	615.587
Min Limit	594.413	594.413

N/cm2	Serial #	Pre	Post	Delta
0	114	605.526	605.526	0.000
0	115	605.597	605.597	0.000
0	116	605.165	605.165	0.000
0	117	607.207	607.207	0.000
0	118	605.013	605.013	0.000
0	101	605.874	605.874	0.000
0	103	606.171	606.171	0.000
0	104	604.599	604.599	0.000
0	105	606.163	606.163	0.000
0	106	606.242	606.242	0.000
0	107	607.731	607.731	0.000
0	108	604.282	604.282	0.000
0	109	604.419	604.419	0.000
0	111	607.508	607.508	0.000
0	113	607.136	607.136	0.000
1E+12	214	605.526	605.506	0.020
1E+12	215	605.597	605.487	0.110
1E+12	216	605.165	605.176	-0.011
1E+12	217	607.207	607.251	-0.044
1E+12	218	605.013	605.065	-0.052
1E+12	201	605.874	605.343	0.531
1E+12	203	606.171	605.751	0.420
1E+12	204	604.599	604.161	0.438
1E+12	205	606.163	605.696	0.467
1E+12	206	606.242	605.817	0.425
1E+12	207	607.731	607.287	0.444
1E+12	208	604.282	603.703	0.579
1E+12	209	604.419	607.069	-2.650
1E+12	211	607.508	607.069	0.439
1E+12	213	607.136	606.695	0.441
	Max	607.731	607.731	0.579
	Average	605.909	605.857	0.052
	Min	604.282	603.703	-2.650
	Std Dev	1.098	1.088	0.555



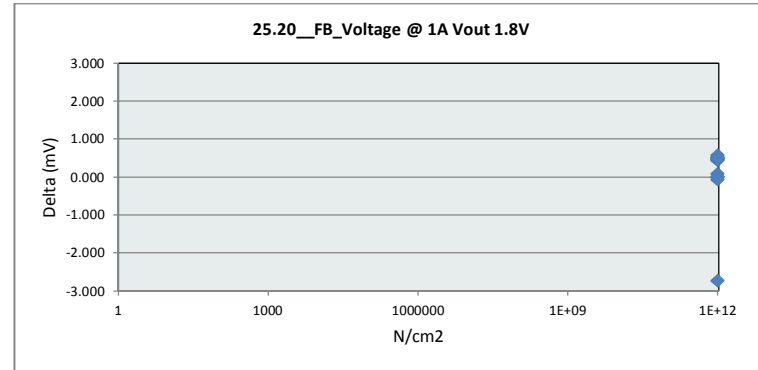
25.17_FB_Voltage @ 1A Vout 0.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	615.587	mV
Min Limit	594.413	mV
N/cm2	0	1E+12
LL	594.413	594.413
Min	604.282	603.703
Average	605.909	605.805
Max	607.731	607.287
UL	615.587	615.587



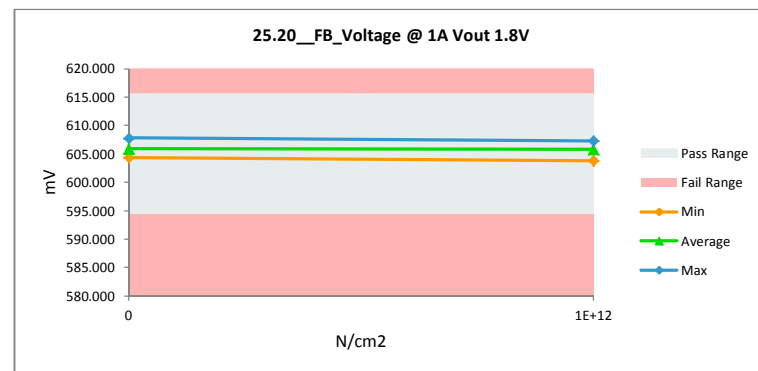
NDD Report - Parametric Drift Graphs TPS7H1101-SP

25.20_FB_Voltage @ 1A Vout 1.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mV	mV
Max Limit	615.587	615.587
Min Limit	594.413	594.413

N/cm2	Serial #	Pre	Post	Delta
0	114	605.570	605.570	0.000
0	115	605.579	605.579	0.000
0	116	605.172	605.172	0.000
0	117	607.283	607.283	0.000
0	118	605.089	605.089	0.000
0	101	605.955	605.955	0.000
0	103	606.216	606.216	0.000
0	104	604.649	604.649	0.000
0	105	606.245	606.245	0.000
0	106	606.335	606.335	0.000
0	107	607.800	607.800	0.000
0	108	604.365	604.365	0.000
0	109	604.434	604.434	0.000
0	111	607.595	607.595	0.000
0	113	607.206	607.206	0.000
1E+12	214	605.570	605.565	0.005
1E+12	215	605.579	605.484	0.095
1E+12	216	605.172	605.158	0.014
1E+12	217	607.283	607.272	0.011
1E+12	218	605.089	605.153	-0.064
1E+12	201	605.955	605.429	0.526
1E+12	203	606.216	605.752	0.464
1E+12	204	604.649	604.141	0.508
1E+12	205	606.245	605.750	0.495
1E+12	206	606.335	605.870	0.465
1E+12	207	607.800	607.301	0.499
1E+12	208	604.365	603.791	0.574
1E+12	209	604.434	607.156	-2.722
1E+12	211	607.595	607.156	0.439
1E+12	213	607.206	606.692	0.514
	Max	607.800	607.800	0.574
	Average	605.966	605.905	0.061
	Min	604.365	603.791	-2.722
	Std Dev	1.112	1.096	0.574



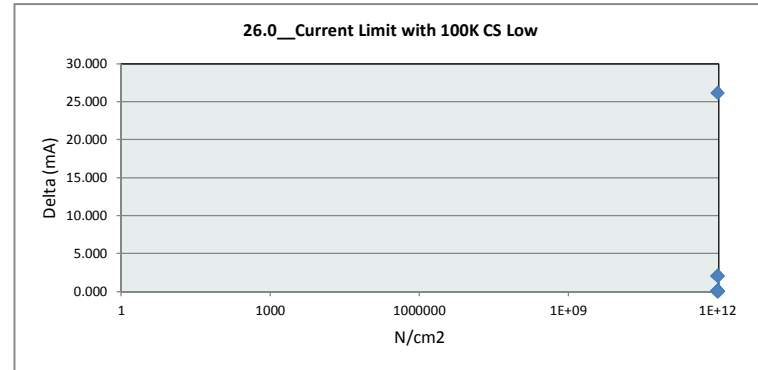
25.20_FB_Voltage @ 1A Vout 1.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	615.587	mV
Min Limit	594.413	mV
N/cm2	0	1E+12
LL	594.413	594.413
Min	604.365	603.791
Average	605.966	605.845
Max	607.800	607.301
UL	615.587	615.587



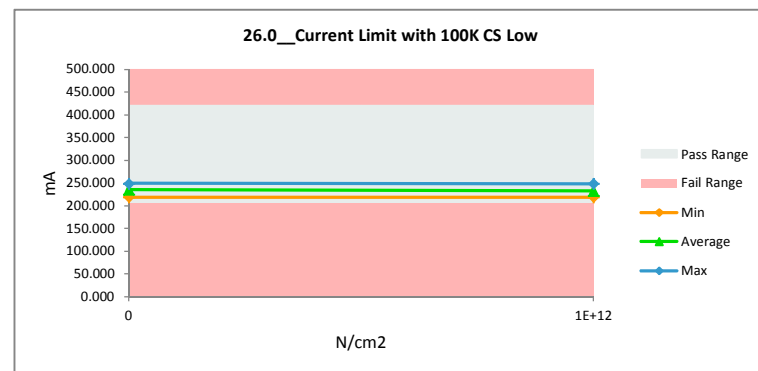
NDD Report - Parametric Drift Graphs TPS7H1101-SP

26.0 Current Limit with 100K CS Low		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	420	420
Min Limit	205	205

N/cm2	Serial #	Pre	Post	Delta
0	114	236.710	236.710	0.000
0	115	244.710	244.710	0.000
0	116	220.624	220.624	0.000
0	117	236.698	236.698	0.000
0	118	234.680	234.680	0.000
0	101	238.680	238.680	0.000
0	103	240.710	240.710	0.000
0	104	248.747	248.747	0.000
0	105	238.722	238.722	0.000
0	106	230.703	230.703	0.000
0	107	220.642	220.642	0.000
0	108	236.704	236.704	0.000
0	109	244.710	244.710	0.000
0	111	218.642	218.642	0.000
0	113	236.674	236.674	0.000
1E+12	214	236.710	236.645	0.065
1E+12	215	244.710	244.663	0.047
1E+12	216	220.624	218.585	2.039
1E+12	217	236.698	236.639	0.059
1E+12	218	234.680	234.627	0.053
1E+12	201	238.680	236.627	2.053
1E+12	203	240.710	238.651	2.059
1E+12	204	248.747	248.664	0.083
1E+12	205	238.722	238.633	0.089
1E+12	206	230.703	230.609	0.094
1E+12	207	220.642	220.573	0.069
1E+12	208	236.704	236.627	0.077
1E+12	209	244.710	218.567	26.143
1E+12	211	218.642	218.567	0.075
1E+12	213	236.674	236.615	0.059
Max		248.747	248.747	26.143
Average		235.224	234.122	1.102
Min		218.642	218.567	0.000
Std Dev		8.895	9.251	4.769



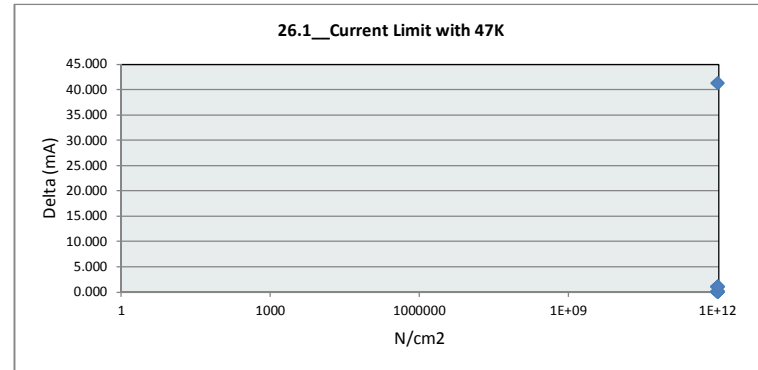
26.0 Current Limit with 100K CS Low		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	420	mA
Min Limit	205	mA
N/cm2	0	1E+12
LL	205.000	205.000
Min	218.642	218.567
Average	235.224	233.019
Max	248.747	248.664
UL	420.000	420.000



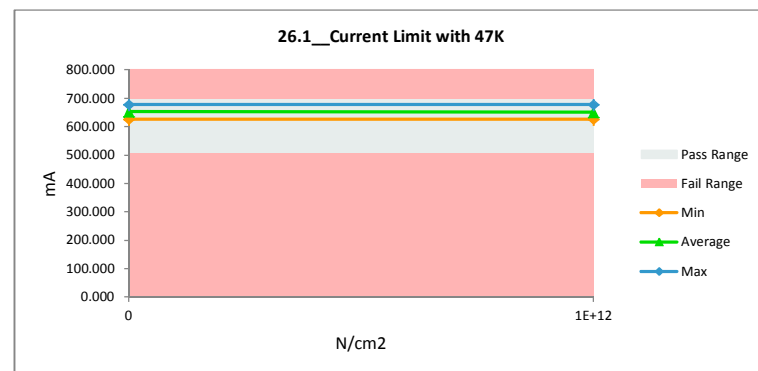
NDD Report - Parametric Drift Graphs TPS7H1101-SP

26.1__Current Limit with 47K		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	mA	mA
Max Limit	695	695
Min Limit	505	505

N/cm2	Serial #	Pre	Post	Delta
0	114	653.338	653.338	0.000
0	115	667.411	667.411	0.000
0	116	626.177	626.177	0.000
0	117	658.341	658.341	0.000
0	118	653.338	653.338	0.000
0	101	657.338	657.338	0.000
0	103	658.336	658.336	0.000
0	104	677.436	677.436	0.000
0	105	660.366	660.366	0.000
0	106	648.311	648.311	0.000
0	107	627.198	627.198	0.000
0	108	658.347	658.347	0.000
0	109	668.402	668.402	0.000
0	111	627.174	627.174	0.000
0	113	656.347	656.347	0.000
1E+12	214	653.338	653.251	0.087
1E+12	215	667.411	667.300	0.111
1E+12	216	626.177	626.121	0.056
1E+12	217	658.341	658.272	0.069
1E+12	218	653.338	653.263	0.075
1E+12	201	657.338	656.248	1.090
1E+12	203	658.336	658.278	0.058
1E+12	204	677.436	677.366	0.070
1E+12	205	660.366	660.284	0.082
1E+12	206	648.311	648.230	0.081
1E+12	207	627.198	626.097	1.101
1E+12	208	658.347	657.275	1.072
1E+12	209	668.402	627.118	41.284
1E+12	211	627.174	627.118	0.056
1E+12	213	656.347	655.257	1.090
	Max	677.436	677.436	41.284
	Average	653.191	651.645	1.546
	Min	626.177	626.097	0.000
	Std Dev	15.053	15.515	7.514



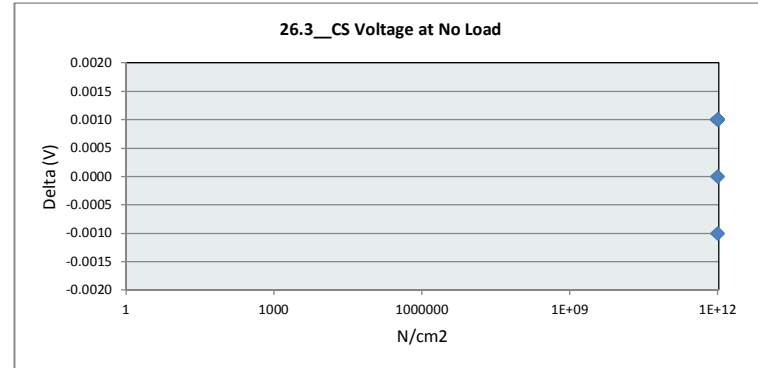
26.1__Current Limit with 47K		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	695	mA
Min Limit	505	mA
N/cm2	0	1E+12
LL	505.000	505.000
Min	626.177	626.097
Average	653.191	650.099
Max	677.436	677.366
UL	695.000	695.000



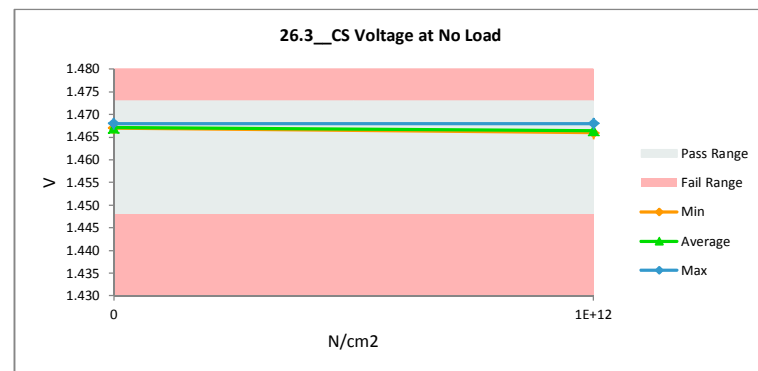
NDD Report - Parametric Drift Graphs TPS7H1101-SP

26.3 __CS Voltage at No Load		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.473	1.473
Min Limit	1.448	1.448

N/cm2	Serial #	Pre	Post	Delta
0	114	1.467	1.467	0.000
0	115	1.467	1.467	0.000
0	116	1.467	1.467	0.000
0	117	1.468	1.468	0.000
0	118	1.467	1.467	0.000
0	101	1.467	1.467	0.000
0	103	1.467	1.467	0.000
0	104	1.467	1.467	0.000
0	105	1.467	1.467	0.000
0	106	1.467	1.467	0.000
0	107	1.467	1.467	0.000
0	108	1.467	1.467	0.000
0	109	1.467	1.467	0.000
0	111	1.467	1.467	0.000
0	113	1.467	1.467	0.000
1E+12	214	1.467	1.467	0.000
1E+12	215	1.467	1.466	0.001
1E+12	216	1.467	1.466	0.001
1E+12	217	1.468	1.468	0.000
1E+12	218	1.467	1.466	0.001
1E+12	201	1.467	1.466	0.001
1E+12	203	1.467	1.466	0.001
1E+12	204	1.467	1.466	0.001
1E+12	205	1.467	1.468	-0.001
1E+12	206	1.467	1.466	0.001
1E+12	207	1.467	1.466	0.001
1E+12	208	1.467	1.466	0.001
1E+12	209	1.467	1.466	0.001
1E+12	211	1.467	1.466	0.001
1E+12	213	1.467	1.468	-0.001
Max		1.468	1.468	0.001
Average		1.467	1.467	0.000
Min		1.467	1.466	-0.001
Std Dev		0.000	0.001	0.001



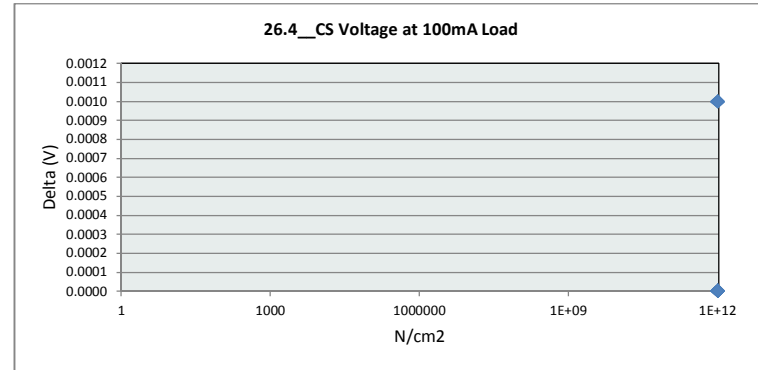
26.3 __CS Voltage at No Load		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.473	V
Min Limit	1.448	V
N/cm2	0	1E+12
LL	1.448	1.448
Min	1.467	1.466
Average	1.467	1.466
Max	1.468	1.468
UL	1.473	1.473



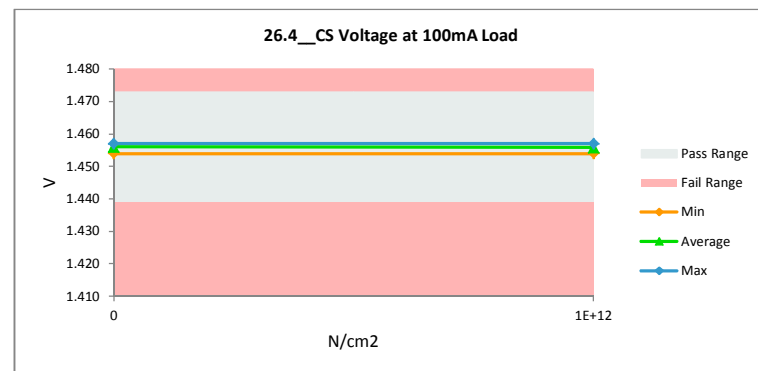
NDD Report - Parametric Drift Graphs TPS7H1101-SP

26.4_CS Voltage at 100mA Load		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.473	1.473
Min Limit	1.439	1.439

N/cm2	Serial #	Pre	Post	Delta
0	114	1.456	1.456	0.000
0	115	1.456	1.456	0.000
0	116	1.454	1.454	0.000
0	117	1.457	1.457	0.000
0	118	1.456	1.456	0.000
0	101	1.456	1.456	0.000
0	103	1.456	1.456	0.000
0	104	1.457	1.457	0.000
0	105	1.457	1.457	0.000
0	106	1.456	1.456	0.000
0	107	1.455	1.455	0.000
0	108	1.456	1.456	0.000
0	109	1.456	1.456	0.000
0	111	1.456	1.456	0.000
0	113	1.456	1.456	0.000
1E+12	214	1.456	1.456	0.0000
1E+12	215	1.456	1.456	0.0000
1E+12	216	1.454	1.454	0.0000
1E+12	217	1.457	1.456	0.0010
1E+12	218	1.456	1.456	0.0000
1E+12	201	1.456	1.456	0.0000
1E+12	203	1.456	1.456	0.0000
1E+12	204	1.457	1.457	0.0000
1E+12	205	1.457	1.457	0.0000
1E+12	206	1.456	1.456	0.0000
1E+12	207	1.455	1.455	0.0000
1E+12	208	1.456	1.456	0.0000
1E+12	209	1.456	1.455	0.0010
1E+12	211	1.456	1.455	0.0010
1E+12	213	1.456	1.456	0.0000
Max		1.457	1.457	0.001
Average		1.456	1.456	0.000
Min		1.454	1.454	0.000
Std Dev		0.001	0.001	0.000



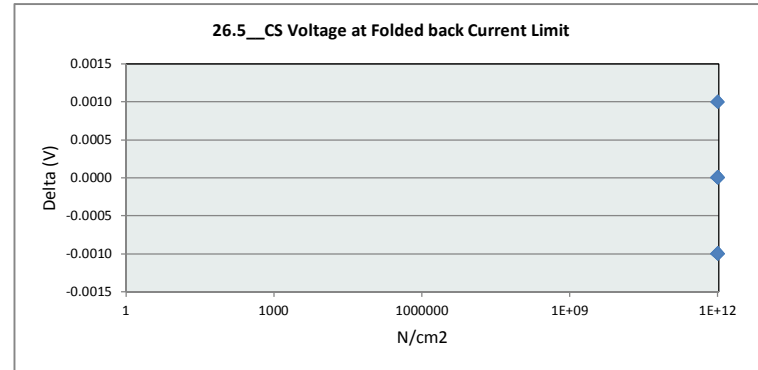
26.4_CS Voltage at 100mA Load		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.473	V
Min Limit	1.439	V
N/cm2	0	1E+12
LL	1.439	1.439
Min	1.454	1.454
Average	1.456	1.456
Max	1.457	1.457
UL	1.473	1.473



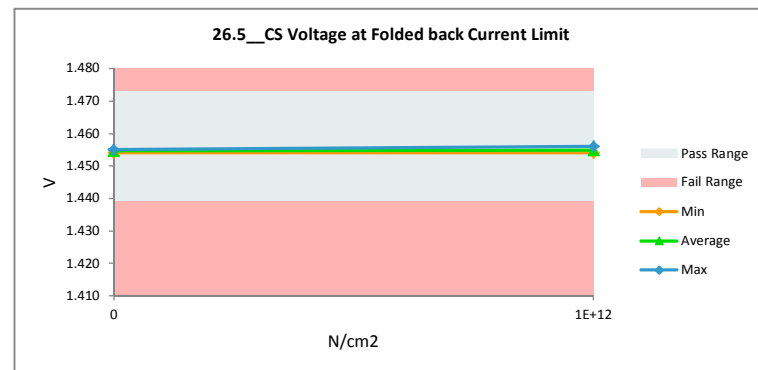
NDD Report - Parametric Drift Graphs TPS7H1101-SP

26.5_CS Voltage at Folded back Current		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.473	1.473
Min Limit	1.439	1.439

N/cm2	Serial #	Pre	Post	Delta
0	114	1.454	1.454	0.000
0	115	1.454	1.454	0.000
0	116	1.454	1.454	0.000
0	117	1.455	1.455	0.000
0	118	1.455	1.455	0.000
0	101	1.454	1.454	0.000
0	103	1.454	1.454	0.000
0	104	1.455	1.455	0.000
0	105	1.455	1.455	0.000
0	106	1.455	1.455	0.000
0	107	1.455	1.455	0.000
0	108	1.455	1.455	0.000
0	109	1.455	1.455	0.000
0	111	1.455	1.455	0.000
0	113	1.454	1.454	0.000
1E+12	214	1.454	1.455	-0.001
1E+12	215	1.454	1.455	-0.001
1E+12	216	1.454	1.454	0.000
1E+12	217	1.455	1.455	0.000
1E+12	218	1.455	1.454	0.001
1E+12	201	1.454	1.455	-0.001
1E+12	203	1.454	1.454	0.000
1E+12	204	1.455	1.455	0.000
1E+12	205	1.455	1.455	0.000
1E+12	206	1.455	1.455	0.000
1E+12	207	1.455	1.455	0.000
1E+12	208	1.455	1.454	0.001
1E+12	209	1.455	1.456	-0.001
1E+12	211	1.455	1.456	-0.001
1E+12	213	1.454	1.455	-0.001
Max		1.455	1.456	0.001
Average		1.455	1.455	0.000
Min		1.454	1.454	-0.001
Std Dev		0.000	0.001	0.001



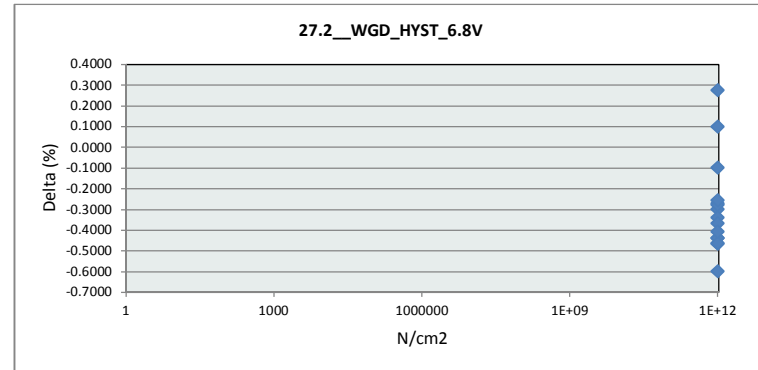
26.5_CS Voltage at Folded back Current Limit		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.473	V
Min Limit	1.439	V
N/cm2	0	1E+12
LL	1.439	1.439
Min	1.454	1.454
Average	1.455	1.455
Max	1.455	1.456
UL	1.473	1.473



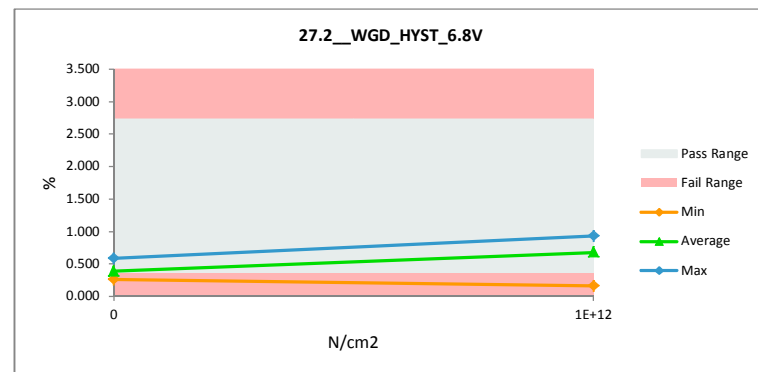
NDD Report - Parametric Drift Graphs TPS7H1101-SP

27.2_WGD_HYST_6.8V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%	%
Max Limit	2.7303	2.7303
Min Limit	0.361	0.361

N/cm2	Serial #	Pre	Post	Delta
0	114	0.323	0.323	0.000
0	115	0.460	0.460	0.000
0	116	0.431	0.431	0.000
0	117	0.490	0.490	0.000
0	118	0.313	0.313	0.000
0	101	0.351	0.351	0.000
0	103	0.265	0.265	0.000
0	104	0.418	0.418	0.000
0	105	0.284	0.284	0.000
0	106	0.582	0.582	0.000
0	107	0.338	0.338	0.000
0	108	0.443	0.443	0.000
0	109	0.386	0.386	0.000
0	111	0.407	0.407	0.000
0	113	0.346	0.346	0.000
1E+12	214	0.323	0.790	-0.467
1E+12	215	0.460	0.760	-0.300
1E+12	216	0.431	0.158	0.273
1E+12	217	0.490	0.931	-0.441
1E+12	218	0.313	0.914	-0.601
1E+12	201	0.351	0.790	-0.439
1E+12	203	0.265	0.729	-0.463
1E+12	204	0.418	0.689	-0.272
1E+12	205	0.284	0.186	0.097
1E+12	206	0.582	0.680	-0.098
1E+12	207	0.338	0.677	-0.339
1E+12	208	0.443	0.811	-0.368
1E+12	209	0.386	0.664	-0.278
1E+12	211	0.407	0.664	-0.256
1E+12	213	0.346	0.753	-0.407
	Max	0.582	0.931	0.273
	Average	0.389	0.534	-0.145
	Min	0.265	0.158	-0.601
	Std Dev	0.083	0.222	0.217



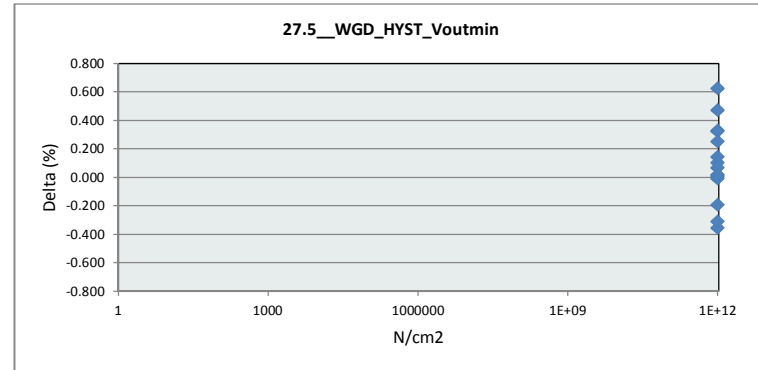
27.2_WGD_HYST_6.8V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	2.7303	%
Min Limit	0.361	%
N/cm2	0	1E+12
LL	0.361	0.361
Min	0.265	0.158
Average	0.389	0.680
Max	0.582	0.931
UL	2.730	2.730



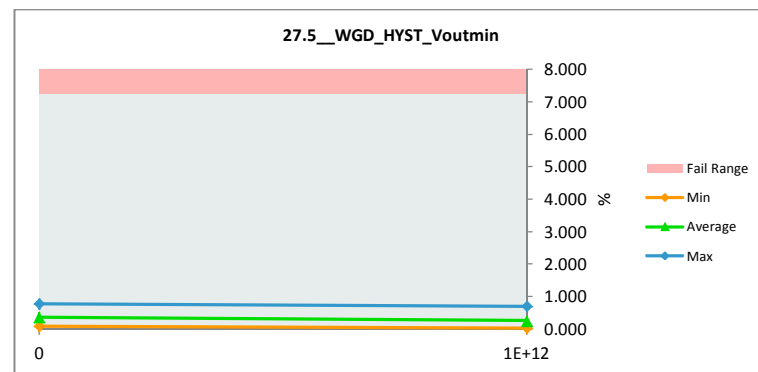
NDD Report - Parametric Drift Graphs TPS7H1101-SP

27.5_WGD_HYST_Voutmin		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	%	%
Max Limit	7.2585	7.2585
Min Limit		

N/cm2	Serial #	Pre	Post	Delta
0	114	0.196	0.196	0.000
0	115	0.081	0.081	0.000
0	116	0.145	0.145	0.000
0	117	0.493	0.493	0.000
0	118	0.144	0.144	0.000
0	101	0.573	0.573	0.000
0	103	0.772	0.772	0.000
0	104	0.573	0.573	0.000
0	105	0.314	0.314	0.000
0	106	0.097	0.097	0.000
0	107	0.660	0.660	0.000
0	108	0.250	0.250	0.000
0	109	0.139	0.139	0.000
0	111	0.268	0.268	0.000
0	113	0.646	0.646	0.000
1E+12	214	0.196	0.549	-0.353
1E+12	215	0.081	0.271	-0.190
1E+12	216	0.145	0.125	0.020
1E+12	217	0.493	0.166	0.327
1E+12	218	0.144	0.451	-0.307
1E+12	201	0.573	0.243	0.330
1E+12	203	0.772	0.703	0.069
1E+12	204	0.573	0.100	0.473
1E+12	205	0.314	0.207	0.106
1E+12	206	0.097	0.091	0.007
1E+12	207	0.660	0.034	0.626
1E+12	208	0.250	0.256	-0.006
1E+12	209	0.139	0.122	0.017
1E+12	211	0.268	0.122	0.146
1E+12	213	0.646	0.394	0.252
	Max	0.772	0.772	0.626
	Average	0.357	0.306	0.051
	Min	0.081	0.034	-0.353
	Std Dev	0.233	0.218	0.196



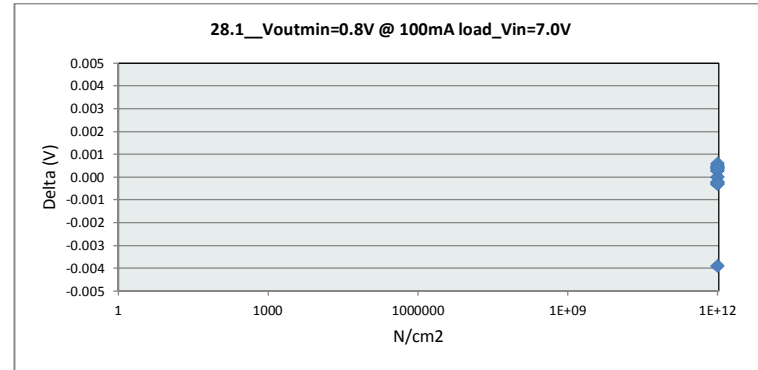
27.5_WGD_HYST_Voutmin		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	7.2585	
Min Limit	%	
N/cm2	0	1E+12
LL		
Min	0.081	0.034
Average	0.357	0.255
Max	0.772	0.703
UL	7.259	7.259



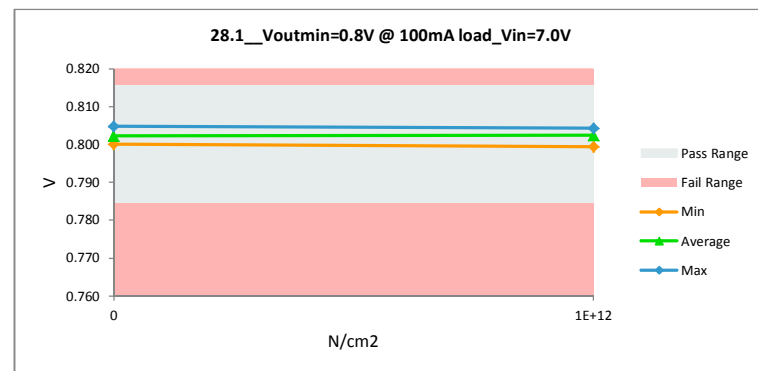
NDD Report - Parametric Drift Graphs TPS7H1101-SP

28.1_Voutmin=0.8V @ 100mA load_Vin=7.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	0.8156	0.8156
Min Limit	0.7844	0.7844

N/cm2	Serial #	Pre	Post	Delta
0	114	0.802	0.802	0.000
0	115	0.802	0.802	0.000
0	116	0.801	0.801	0.000
0	117	0.804	0.804	0.000
0	118	0.801	0.801	0.000
0	101	0.802	0.802	0.000
0	103	0.803	0.803	0.000
0	104	0.801	0.801	0.000
0	105	0.803	0.803	0.000
0	106	0.803	0.803	0.000
0	107	0.805	0.805	0.000
0	108	0.800	0.800	0.000
0	109	0.800	0.800	0.000
0	111	0.804	0.804	0.000
0	113	0.804	0.804	0.000
1E+12	214	0.802	0.802	0.000
1E+12	215	0.802	0.802	0.000
1E+12	216	0.801	0.802	0.000
1E+12	217	0.804	0.804	0.000
1E+12	218	0.801	0.802	0.000
1E+12	201	0.802	0.802	0.000
1E+12	203	0.803	0.802	0.000
1E+12	204	0.801	0.800	0.000
1E+12	205	0.803	0.802	0.000
1E+12	206	0.803	0.803	0.000
1E+12	207	0.805	0.804	0.000
1E+12	208	0.800	0.799	0.001
1E+12	209	0.800	0.804	-0.004
1E+12	211	0.804	0.804	0.000
1E+12	213	0.804	0.803	0.000
Max		0.805	0.805	0.001
Average		0.802	0.802	0.000
Min		0.800	0.799	-0.004
Std Dev		0.001	0.001	0.001



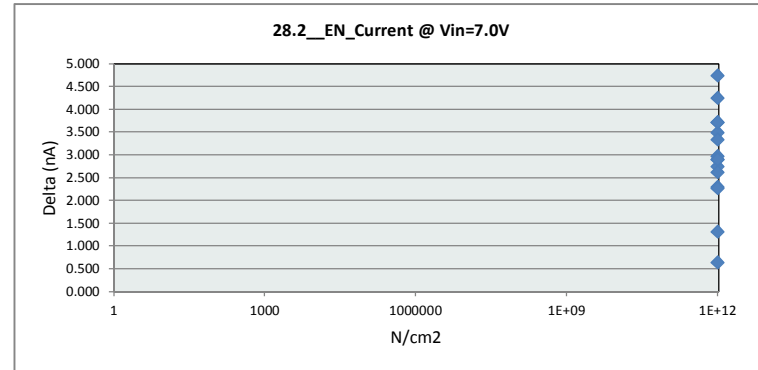
28.1_Voutmin=0.8V @ 100mA load_Vin=7.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	0.8156	V
Min Limit	0.7844	V
N/cm2	0	1E+12
LL	0.784	0.784
Min	0.800	0.800
Average	0.802	0.802
Max	0.805	0.804
UL	0.816	0.816



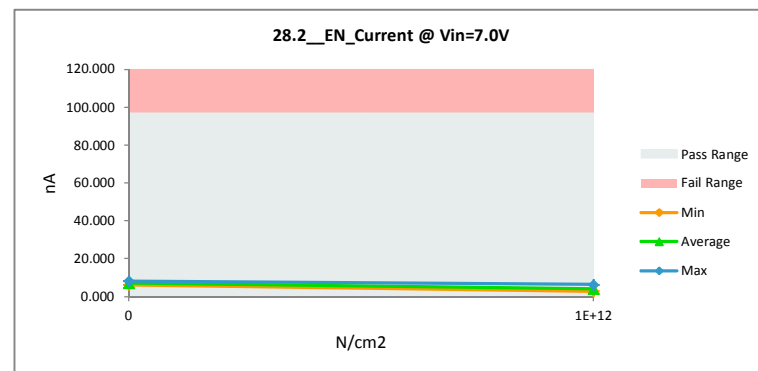
NDD Report - Parametric Drift Graphs TPS7H1101-SP

28.2_EN_Current @ Vin=7.0V		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	nA	nA
Max Limit	97	97
Min Limit	0.0005	0.0005

N/cm2	Serial #	Pre	Post	Delta
0	114	7.219	7.219	0.000
0	115	7.125	7.125	0.000
0	116	6.460	6.460	0.000
0	117	6.828	6.828	0.000
0	118	8.025	8.025	0.000
0	101	7.618	7.618	0.000
0	103	6.155	6.155	0.000
0	104	7.610	7.610	0.000
0	105	8.119	8.119	0.000
0	106	7.047	7.047	0.000
0	107	6.898	6.898	0.000
0	108	6.726	6.726	0.000
0	109	7.430	7.430	0.000
0	111	6.797	6.797	0.000
0	113	6.961	6.961	0.000
1E+12	214	7.219	5.907	1.312
1E+12	215	7.125	3.638	3.487
1E+12	216	6.460	3.497	2.963
1E+12	217	6.828	4.538	2.290
1E+12	218	8.025	5.281	2.744
1E+12	201	7.618	2.879	4.739
1E+12	203	6.155	3.536	2.619
1E+12	204	7.610	3.356	4.254
1E+12	205	8.119	5.218	2.900
1E+12	206	7.047	3.716	3.331
1E+12	207	6.898	3.184	3.714
1E+12	208	6.726	3.012	3.714
1E+12	209	7.430	4.530	2.900
1E+12	211	6.797	4.530	2.267
1E+12	213	6.961	6.329	0.632
	Max	8.119	8.119	4.739
	Average	7.134	5.672	1.462
	Min	6.155	2.879	0.000
	Std Dev	0.538	1.709	1.658



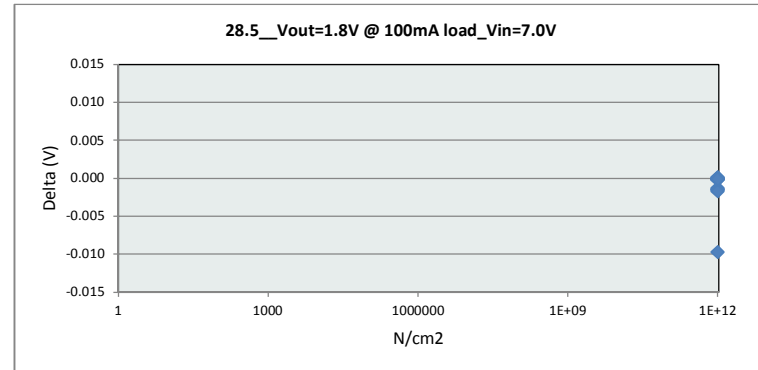
28.2_EN_Current @ Vin=7.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	97	nA
Min Limit	0.0005	nA
N/cm2	0	1E+12
LL	0.001	0.001
Min	6.155	2.879
Average	7.134	4.210
Max	8.119	6.329
UL	97.000	97.000



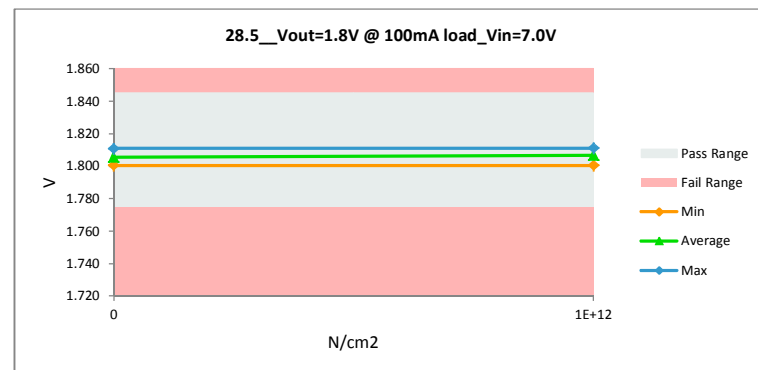
NDD Report - Parametric Drift Graphs TPS7H1101-SP

28.5_Vout=1.8V @ 100mA load_Vin=7.0		
Test Site	CLAB	CLAB
Tester	ETS364-1	ETS364-1
Test Number	EF5069	EF5069
Unit	V	V
Max Limit	1.8453	1.8453
Min Limit	1.7747	1.7747

N/cm2	Serial #	Pre	Post	Delta
0	114	1.804	1.804	0.000
0	115	1.804	1.804	0.000
0	116	1.803	1.803	0.000
0	117	1.809	1.809	0.000
0	118	1.803	1.803	0.000
0	101	1.806	1.806	0.000
0	103	1.806	1.806	0.000
0	104	1.802	1.802	0.000
0	105	1.806	1.806	0.000
0	106	1.807	1.807	0.000
0	107	1.811	1.811	0.000
0	108	1.801	1.801	0.000
0	109	1.801	1.801	0.000
0	111	1.810	1.810	0.000
0	113	1.809	1.809	0.000
1E+12	214	1.804	1.806	-0.002
1E+12	215	1.804	1.806	-0.001
1E+12	216	1.803	1.805	-0.002
1E+12	217	1.809	1.811	-0.002
1E+12	218	1.803	1.805	-0.002
1E+12	201	1.806	1.806	0.000
1E+12	203	1.806	1.807	0.000
1E+12	204	1.802	1.802	0.000
1E+12	205	1.806	1.807	0.000
1E+12	206	1.807	1.807	0.000
1E+12	207	1.811	1.811	0.000
1E+12	208	1.801	1.801	0.000
1E+12	209	1.801	1.811	-0.010
1E+12	211	1.810	1.811	0.000
1E+12	213	1.809	1.809	0.000
Max		1.811	1.811	0.000
Average		1.806	1.806	-0.001
Min		1.801	1.801	-0.010
Std Dev		0.003	0.003	0.002



28.5_Vout=1.8V @ 100mA load_Vin=7.0V		
Test Site	CLAB	
Tester	ETS364-1	
Test Number	EF5069	
Max Limit	1.8453	V
Min Limit	1.7747	V
N/cm2	0	1E+12
LL	1.775	1.775
Min	1.801	1.801
Average	1.806	1.807
Max	1.811	1.811
UL	1.845	1.845



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