

# TRF0206-SP (5962R2122001VXC) Neutron Displacement Damage Characterization

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## ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the TRF0206-SP device. The results show that all devices were fully functional and within production test limits after having been irradiated up to  $1 \times 10^{13}$  n/cm<sup>2</sup> (1-MeV equivalent). A sample size of fifteen units was exposed to radiation testing per (MIL-STD-883, Method 1017 for Neutron Irradiation) and an additional unirradiated sample device was used for correlation. All devices used in the experiment were from lot date code 2227B and assembly lot 2007400. Electrical testing was performed at Texas Instruments before and after neutron irradiation using the production test program for 5962R2122001VXC.

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## 1 Overview

The TRF0206-SP is a very high-performance, radiation hardened, differential amplifier optimized for radio frequency (RF), intermediate frequency (IF), or high-speed applications. The device is ideal for ac-coupled applications that may require a single-ended-to-differential (S2D) conversion when driving an analog-to-digital converter (ADC). The TRF0206-SP generates very low levels of second- and third-order distortion upto very high frequencies. General device information and testing conditions are listed in [Table 1-1](#).

**Table 1-1. Overview Information**

TI Part Number	TRF0206-SP
SMD Number	5962-21220
Device Function	6.5 GHz Bandwidth, High-linearity ADC Driver Amplifier
Die Name	RTRF0206A0
Technology	RF SiGe
A/T Lot Number / Date Code	2007400 / 2227B
Unbiased Quantity Tested	9
Exposure Facility	VPT Rad
Neutron Fluence (1-MeV Equivalent)	$1.0 \times 10^{12}$ , $5.0 \times 10^{12}$ , $1.0 \times 10^{13}$ n/cm <sup>2</sup>
Irradiation Temperature	25°C

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## 2 Test Procedures

The TRF0206-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 TRF0206-SP as modified in [Table 2-1](#).

**Table 2-1. Neutron Irradiation Conditions**

Group	Sample Qty	Neutron Fluence (n/cm <sup>2</sup> )	Bias
A	3	$1.0 \times 10^{12}$	Unbiased
B	3	$5.0 \times 10^{12}$	Unbiased
C	3	$1.0 \times 10^{13}$	Unbiased



**Figure 2-1. TRF0206-SP Device**

### 3 Facility

The University of Massachusetts's Fast Neutron Irradiation (FNI) facility is an experimental facility replaces three beam ports that originally existed on the left side of the research reactor. It is designed to give a fast flux level  $\geq 1011 \text{ n/cm}^2\text{-s}$ , with relatively low thermal fluence and gamma dose rates. Samples with a cross-sectional area as large as 30 cm (12 in)  $\times$  30 cm (12 in) and up to 15 cm (6 in) thick can be irradiated. The fast neutron flux is designed to be nearly uniform over the 30 cm (12 in)  $\times$  30 cm (12 in) area facing the core, and the fast fluence variation through the sample thickness is minimized via a single 180° rotation of the sample canister at the midpoint of the irradiation period. The FNI facility offers a significantly larger sample volume than previously available within the University of Massachusetts Lowell Research Reactor (UMLRR). The fluences are calculated based on 1-MeV equivalences.

Detailed information of the radiation facility is available at the following link: [www.uml.edu/docs/FNI%20Brochure\\_tcm18-90375.pdf](http://www.uml.edu/docs/FNI%20Brochure_tcm18-90375.pdf)

### 4 Results

There were no functional failures at any irradiation level. All parametric measurements remained well within data sheet (SBOSA52A) limits and within the production test limits, which are guard-banded from the data sheet limits for all exposure levels. The full parameter list and graphs are found in [Appendix A](#). In the graphs, Delta and Delta % refer to the deviation due to radiation exposure.

Delta = Pre NDD - Post NDD

Delta % = Delta / Pre NDD

% of Limit Range = ABS (Delta) / ABS (Max Limit - Min Limit)

The Fail Limit range is a guard-banded limit that Texas Instruments puts into test programs to insure device performance. It is always set within the data sheet limits to insure the device meets all data sheet parameters. In case of some parameters, the % of Limit Range is showing high due to tight test limit range, but the maximum Delta % is about 5%. Texas Instruments has collected more parameters than what is shown in this report for characterization purposes.

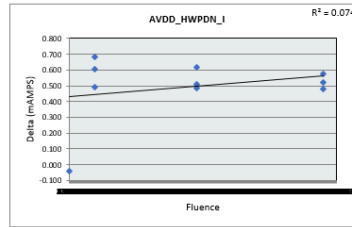
# A Test Results

This appendix contains the detailed test results.

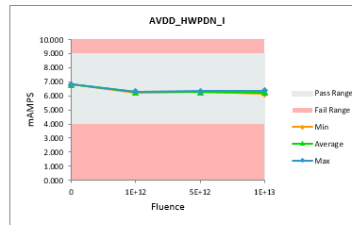
Delta Threshold 10.00%

Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

AVDD_HWPON_I						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	mAMPS		mAMPS			
Max Limit	8.999999613		8.999999613			
Min Limit	4.00000019		4.00000019			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	6.759	6.798	-0.039	-0.57%	0.78%
1E+12	1	6.741	6.251	0.491	7.28%	9.81%
1E+12	82	6.851	6.244	0.607	8.86%	12.14%
1E+12	96	6.986	6.306	0.680	9.74%	13.61%
5E+12	38	6.867	6.252	0.615	8.96%	12.31%
5E+12	42	6.772	6.261	0.512	7.55%	10.23%
5E+12	65	6.802	6.318	0.483	7.11%	9.67%
1E+13	34	6.850	6.368	0.481	7.03%	9.63%
1E+13	52	6.699	6.122	0.577	8.61%	11.53%
1E+13	68	6.711	6.189	0.522	7.78%	10.44%
Max		6.986	6.798	0.680	9.74%	13.61%
Average		6.804	6.311	0.493	7.23%	10.01%
Min		6.699	6.122	-0.039	-0.57%	0.78%
Std Dev		0.087	0.184	0.198	2.89%	3.51%

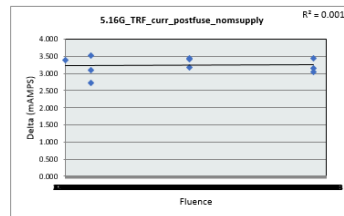


AVDD_HWPON_I				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	8.999999613 mAMPS			
Min Limit	4.00000019 mAMPS			
Fluence	0	1E+12	5E+12	1E+13
LL	4.000	4.000	4.000	4.000
Min	6.798	6.244	6.252	6.122
Average	6.798	6.267	6.277	6.226
Max	6.798	6.306	6.318	6.368
UL	9.000	9.000	9.000	9.000

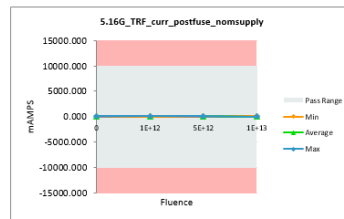


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_TRF_curr_postfuse_no						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	mAMPS		mAMPS			
Max Limit	10000		10000			
Min Limit	-10000		-10000			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	128.584	125.204	3.379	2.63%	0.02%
1E+12	1	124.911	121.823	3.088	2.47%	0.02%
1E+12	82	125.706	122.979	2.727	2.17%	0.01%
1E+12	96	127.788	124.257	3.531	2.76%	0.02%
5E+12	38	125.409	122.241	3.168	2.53%	0.02%
5E+12	42	127.941	124.509	3.432	2.68%	0.02%
5E+12	65	127.980	124.557	3.423	2.67%	0.02%
1E+13	34	126.342	122.913	3.429	2.71%	0.02%
1E+13	52	125.483	122.329	3.155	2.51%	0.02%
1E+13	68	126.849	123.803	3.046	2.40%	0.02%
Max		128.584	125.204	3.531	2.76%	0.02%
Average		126.699	123.462	3.238	2.55%	0.02%
Min		124.911	121.823	2.727	2.17%	0.01%
Std Dev		1.308	1.158	0.247	0.18%	0.00%



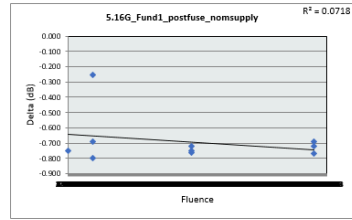
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Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	10000 mAMPS			
Min Limit	-10000 mAMPS			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	125.204	121.823	122.241	122.329
Average	125.204	123.020	123.769	123.015
Max	125.204	124.257	124.557	123.803
UL	10000.000	10000.000	10000.000	10000.000



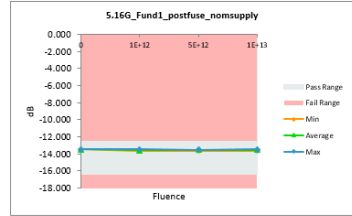


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_Fund1_postfuse_noms						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-12.89999962		-12.44999981			
Min Limit	-15.89999962		-16.45000076			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.233	-13.481	-0.752	5.29%	25.08%
1E+12	1	-13.716	-13.462	-0.254	1.85%	8.47%
1E+12	82	-14.302	-13.614	-0.689	4.82%	22.96%
1E+12	96	-14.394	-13.593	-0.801	5.56%	26.70%
5E+12	38	-14.235	-13.512	-0.724	5.08%	24.12%
5E+12	42	-14.248	-13.488	-0.760	5.33%	25.33%
5E+12	65	-14.400	-13.649	-0.751	5.22%	25.04%
1E+13	34	-14.267	-13.501	-0.766	5.37%	25.54%
1E+13	52	-14.313	-13.623	-0.691	4.82%	23.07%
1E+13	68	-14.209	-13.487	-0.721	5.08%	24.05%
Max		-13.716	-13.462	-0.254	5.56%	26.70%
Average		-14.232	-13.541	-0.691	4.84%	23.03%
Min		-14.400	-13.649	-0.801	1.85%	8.47%
Std Dev		0.193	0.070	0.157	1.08%	5.24%

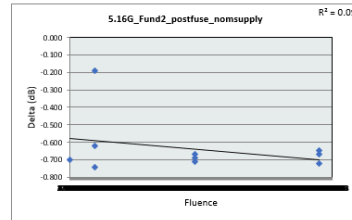


5.16G_Fund1_postfuse_nom				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	-12.44999981			
Min Limit	-16.45000076			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.450	-16.450	-16.450	-16.450
Min	-13.481	-13.614	-13.649	-13.623
Average	-13.481	-13.556	-13.550	-13.537
Max	-13.481	-13.462	-13.488	-13.487
UL	-12.450	-12.450	-12.450	-12.450

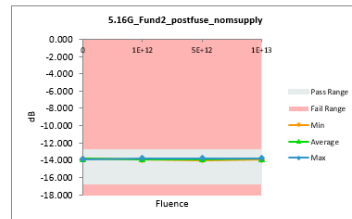


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_Fund2_postfuse_noms						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.11999989		-12.72000027			
Min Limit	-16.12000094		-16.71999931			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.507	-13.807	-0.700	4.83%	23.35%
1E+12	1	-13.978	-13.786	-0.192	1.37%	6.40%
1E+12	82	-14.563	-13.942	-0.621	4.26%	20.69%
1E+12	96	-14.662	-13.917	-0.745	5.08%	24.83%
5E+12	38	-14.499	-13.829	-0.670	4.62%	22.33%
5E+12	42	-14.515	-13.803	-0.712	4.91%	23.74%
5E+12	65	-14.662	-13.973	-0.689	4.70%	22.97%
1E+13	34	-14.538	-13.815	-0.723	4.97%	24.10%
1E+13	52	-14.594	-13.936	-0.648	4.44%	21.61%
1E+13	68	-14.473	-13.802	-0.671	4.64%	22.88%
Max		-13.978	-13.786	-0.192	5.08%	24.83%
Average		-14.498	-13.861	-0.637	4.38%	21.24%
Min		-14.662	-13.973	-0.745	1.37%	6.40%
Std Dev		0.194	0.072	0.161	1.09%	5.35%

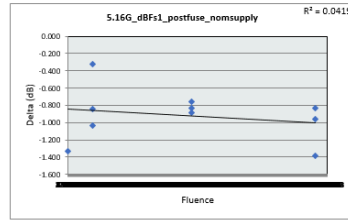


5.16G_Fund2_postfuse_nom				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	-12.72000027			
Min Limit	-16.71999931			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.720	-16.720	-16.720	-16.720
Min	-13.807	-13.942	-13.973	-13.936
Average	-13.807	-13.882	-13.868	-13.851
Max	-13.807	-13.786	-13.803	-13.802
UL	-12.720	-12.720	-12.720	-12.720

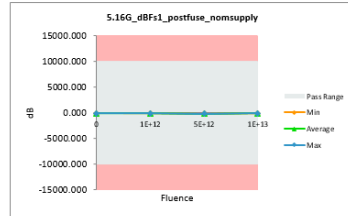


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBFs1_postfuse_noms						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	10000		10000			
Min Limit	-10000		-10000			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-81.590	-80.254	-1.336	1.64%	0.01%
1E+12	1	-82.443	-82.123	-0.320	0.39%	0.00%
1E+12	82	-81.271	-80.425	-0.846	1.04%	0.00%
1E+12	96	-80.871	-79.832	-1.039	1.29%	0.01%
5E+12	38	-84.368	-83.536	-0.833	0.99%	0.00%
5E+12	42	-81.153	-80.271	-0.882	1.09%	0.00%
5E+12	65	-81.845	-81.089	-0.757	0.92%	0.00%
1E+13	34	-80.503	-79.114	-1.389	1.73%	0.01%
1E+13	52	-80.944	-80.107	-0.837	1.03%	0.00%
1E+13	68	-82.379	-81.422	-0.956	1.16%	0.00%
		-80.503	-79.114	-0.320	1.73%	0.01%
	Max	-81.737	-80.817	-0.919	1.13%	0.00%
	Min	-84.368	-83.536	-1.389	0.39%	0.00%
	Std Dev	1.122	1.277	0.301	0.38%	0.00%

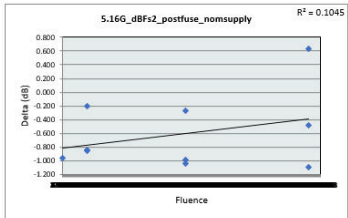


5.16G_dBFs1_postfuse_noms				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	10000			
Min Limit	-10000			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-80.254	-82.123	-83.536	-81.422
Average	-80.254	-80.793	-81.632	-80.214
Max	-80.254	-79.832	-80.271	-79.114
UL	10000.000	10000.000	10000.000	10000.000

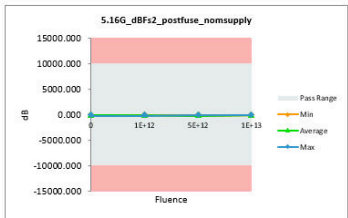


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBFs2_postfuse_noms						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	10000		10000			
Min Limit	-10000		-10000			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-81.818	-80.856	-0.962	1.18%	0.00%
1E+12	1	-83.279	-83.075	-0.204	0.25%	0.00%
1E+12	82	-82.034	-81.181	-0.854	1.04%	0.00%
1E+12	96	-81.691	-80.849	-0.842	1.03%	0.00%
5E+12	38	-85.004	-84.738	-0.266	0.31%	0.00%
5E+12	42	-81.754	-80.759	-0.995	1.22%	0.00%
5E+12	65	-82.518	-81.473	-1.045	1.27%	0.01%
1E+13	34	-81.097	-79.995	-1.101	1.36%	0.01%
1E+13	52	-81.568	-81.081	-0.487	0.60%	0.00%
1E+13	68	-81.626	-82.256	0.630	-0.77%	0.00%
		-81.097	-79.995	0.630	1.36%	0.01%
	Max	-82.239	-81.626	-0.613	0.75%	0.00%
	Min	-85.004	-84.738	-1.101	-0.77%	0.00%
	Std Dev	1.140	1.387	0.543	0.67%	0.00%

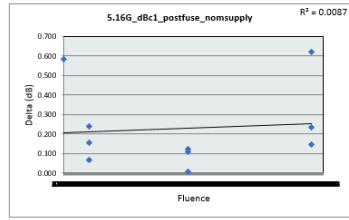


5.16G_dBFs2_postfuse_noms				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	10000			
Min Limit	-10000			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-80.856	-83.075	-84.738	-82.256
Average	-80.856	-81.702	-82.323	-81.111
Max	-80.856	-80.849	-80.759	-79.995
UL	10000.000	10000.000	10000.000	10000.000

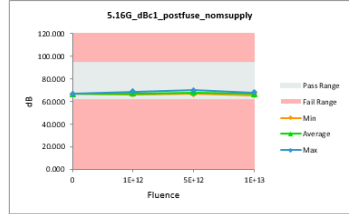


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBc1_postfuse_nomsup						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	67.357	66.774	0.583	0.87%	1.77%
1E+12	1	68.727	68.661	0.066	0.10%	0.20%
1E+12	82	66.969	66.812	0.157	0.24%	0.48%
1E+12	96	66.478	66.239	0.238	0.36%	0.72%
5E+12	38	70.133	70.024	0.109	0.16%	0.33%
5E+12	42	66.905	66.782	0.122	0.18%	0.37%
5E+12	65	67.445	67.440	0.006	0.01%	0.02%
1E+13	34	66.236	65.613	0.623	0.94%	1.89%
1E+13	52	66.630	66.484	0.146	0.22%	0.44%
1E+13	68	68.170	67.935	0.235	0.34%	0.71%
Max		70.133	70.024	0.623	0.94%	1.89%
Average		67.505	67.276	0.229	0.34%	0.69%
Min		66.236	65.613	0.006	0.01%	0.02%
Std Dev		1.199	1.296	0.209	0.31%	0.63%

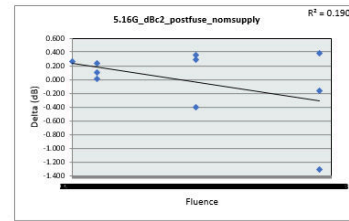


5.16G_dBc1_postfuse_noms				
Fluence	LL	Min	Average	Max
0	62.000	66.774	66.774	95.000
1E+12	62.000	66.774	67.237	95.000
5E+12	62.000	66.782	68.002	95.000
1E+13	62.000	65.613	66.678	95.000

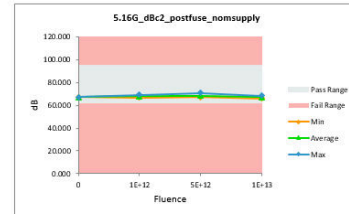


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBc2_postfuse_nomsup						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	67.311	67.049	0.262	0.39%	0.79%
1E+12	1	69.301	69.289	0.012	0.02%	0.04%
1E+12	82	67.471	67.238	0.233	0.35%	0.71%
1E+12	96	67.029	66.931	0.097	0.15%	0.30%
5E+12	38	70.505	70.909	-0.404	-0.57%	1.22%
5E+12	42	67.239	66.956	0.283	0.42%	0.86%
5E+12	65	67.856	67.500	0.356	0.52%	1.08%
1E+13	34	66.559	66.181	0.378	0.57%	1.15%
1E+13	52	66.984	67.145	-0.161	-0.24%	0.49%
1E+13	68	67.153	68.454	-1.301	-1.94%	3.94%
Max		70.505	70.909	0.378	0.57%	3.94%
Average		67.741	67.765	-0.024	-0.03%	1.06%
Min		66.559	66.181	-1.301	-1.94%	0.04%
Std Dev		1.221	1.406	0.512	0.76%	1.08%

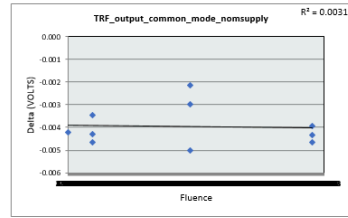


5.16G_dBc2_postfuse_noms				
Fluence	LL	Min	Average	Max
0	62.000	67.049	67.049	95.000
1E+12	62.000	66.931	67.820	95.000
5E+12	62.000	66.956	68.455	95.000
1E+13	62.000	66.181	67.260	95.000

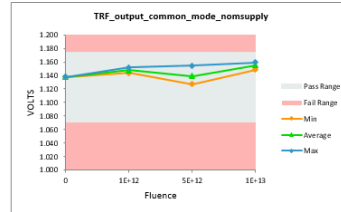


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

TRF_output_common_mode						
Test Site	CLAB					
Tester	ETS36402					
Test Number	EB726500					
Unit	VOLTS					
Max Limit	1.177000046		1.174000025			
Min Limit	1.098000005		1.070000052			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	1.134	1.138	-0.004	-0.37%	5.35%
1E+12	1	1.148	1.152	-0.004	-0.38%	5.45%
1E+12	82	1.143	1.147	-0.003	-0.30%	4.36%
1E+12	96	1.139	1.144	-0.005	-0.41%	5.89%
5E+12	38	1.150	1.155	-0.005	-0.44%	6.36%
5E+12	42	1.132	1.135	-0.003	-0.26%	3.77%
5E+12	65	1.125	1.127	-0.002	-0.19%	2.73%
1E+13	34	1.144	1.149	-0.005	-0.41%	5.88%
1E+13	52	1.154	1.158	-0.004	-0.34%	4.98%
1E+13	68	1.155	1.159	-0.004	-0.38%	5.49%
Max		1.155	1.159	-0.002	-0.19%	6.36%
Average		1.142	1.146	-0.004	-0.35%	5.02%
Min		1.125	1.127	-0.005	-0.44%	2.73%
Std Dev		0.010	0.011	0.001	0.08%	1.11%

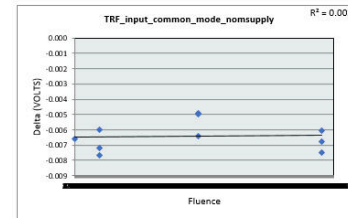


TRF_output_common_mode				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	1.174000025 VOLTS			
Min Limit	1.070000052 VOLTS			
Fluence	0	1E+12	5E+12	1E+13
LL	1.070	1.070	1.070	1.070
Min	1.138	1.144	1.127	1.149
Average	1.138	1.148	1.139	1.155
Max	1.138	1.152	1.155	1.159
UL	1.174	1.174	1.174	1.174

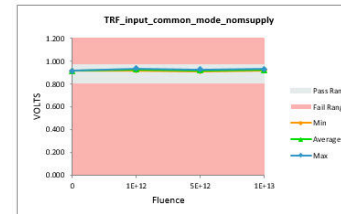


Radaition Site: VPT Rad  
NDD Report  
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TRF_input_common_mode_no						
Test Site	CLAB					
Tester	ETS36402					
Test Number	EB726500					
Unit	VOLTS					
Max Limit	0.971000016		0.968999982			
Min Limit	0.839999974		0.806999981			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	0.907	0.914	-0.007	-0.73%	5.03%
1E+12	1	0.927	0.934	-0.007	-0.78%	5.51%
1E+12	82	0.911	0.917	-0.006	-0.66%	4.58%
1E+12	96	0.917	0.925	-0.008	-0.83%	5.84%
5E+12	38	0.919	0.926	-0.006	-0.70%	4.89%
5E+12	42	0.907	0.911	-0.005	-0.54%	3.76%
5E+12	65	0.917	0.922	-0.005	-0.54%	3.81%
1E+13	34	0.916	0.923	-0.008	-0.82%	5.74%
1E+13	52	0.911	0.918	-0.007	-0.74%	5.17%
1E+13	68	0.923	0.930	-0.006	-0.66%	4.64%
Max		0.927	0.934	-0.005	-0.54%	5.84%
Average		0.916	0.922	-0.006	-0.70%	4.90%
Min		0.907	0.911	-0.008	-0.83%	3.76%
Std Dev		0.007	0.007	0.001	0.10%	0.72%

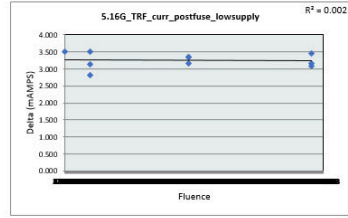


TRF_input_common_mode				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	0.968999982 VOLTS			
Min Limit	0.806999981 VOLTS			
Fluence	0	1E+12	5E+12	1E+13
LL	0.807	0.807	0.807	0.807
Min	0.914	0.917	0.911	0.918
Average	0.914	0.926	0.920	0.924
Max	0.914	0.934	0.926	0.930
UL	0.969	0.969	0.969	0.969

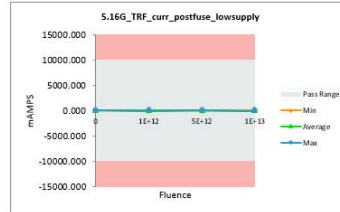


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_TRF_curr_postfuse_low							
Test Site	CLAB						
Tester	ETS36402						
Test Number	EB726500						
Unit	mAMPS						
Max Limit	10000						
Min Limit	-10000						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range	
0	24	127.170	123.673	3.497	2.75%	0.02%	
1E+12	1	123.521	120.376	3.145	2.55%	0.02%	
1E+12	82	124.295	121.477	2.818	2.27%	0.01%	
1E+12	96	126.243	122.740	3.503	2.77%	0.02%	
5E+12	38	123.989	120.831	3.158	2.55%	0.02%	
5E+12	42	126.429	123.071	3.357	2.66%	0.02%	
5E+12	65	126.457	123.105	3.352	2.65%	0.02%	
1E+13	34	124.876	121.422	3.453	2.77%	0.02%	
1E+13	52	123.983	120.890	3.093	2.49%	0.02%	
1E+13	68	125.463	122.312	3.151	2.51%	0.02%	
<b>Max</b>		127.170	123.673	3.503	2.77%	0.02%	
<b>Average</b>		125.243	121.990	3.253	2.60%	0.02%	
<b>Min</b>		123.521	120.376	2.818	2.27%	0.01%	
<b>Std Dev</b>		1.282	1.138	0.218	0.16%	0.00%	

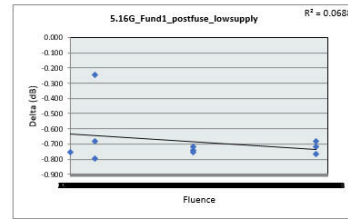


5.16G_TRF_curr_postfuse_low				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	10000 mAMPS			
Min Limit	-10000 mAMPS			
Fluence	0	1E+12	5E+12	1E+13
<b>LL</b>	-10000.000	-10000.000	-10000.000	-10000.000
<b>Min</b>	123.673	120.376	120.831	120.890
<b>Average</b>	123.673	121.531	122.336	121.542
<b>Max</b>	123.673	122.740	123.105	122.312
<b>UL</b>	10000.000	10000.000	10000.000	10000.000

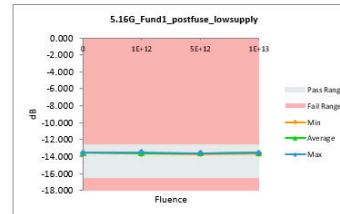


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_Fund1_postfuse_lowsu							
Test Site	CLAB						
Tester	ETS36402						
Test Number	EB726500						
Unit	dB						
Max Limit	-12.5						
Min Limit	-16.5						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range	
0	24	-14.257	-13.504	-0.753	5.28%	25.10%	
1E+12	1	-13.735	-13.488	-0.247	1.80%	8.23%	
1E+12	82	-14.333	-13.642	-0.691	4.78%	22.70%	
1E+12	96	-14.415	-13.618	-0.796	5.52%	26.54%	
5E+12	38	-14.259	-13.539	-0.719	5.04%	23.98%	
5E+12	42	-14.270	-13.516	-0.754	5.28%	25.13%	
5E+12	65	-14.422	-13.683	-0.740	5.13%	24.65%	
1E+13	34	-14.267	-13.523	-0.744	5.25%	24.46%	
1E+13	52	-14.334	-13.652	-0.682	4.76%	22.72%	
1E+13	68	-14.229	-13.513	-0.715	5.03%	23.84%	
<b>Max</b>		-13.735	-13.488	-0.247	5.22%	26.54%	
<b>Average</b>		-14.253	-13.568	-0.685	4.79%	22.84%	
<b>Min</b>		-14.422	-13.683	-0.736	5.23%	24.65%	
<b>Std Dev</b>		0.193	0.073	0.158	1.08%	5.27%	

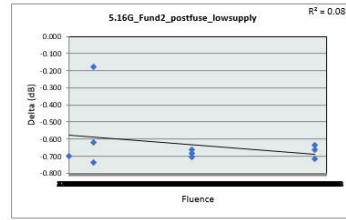


5.16G_Fund1_postfuse_low				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	-12.5 dB			
Min Limit	-16.5 dB			
Fluence	0	1E+12	5E+12	1E+13
<b>LL</b>	-16.500	-16.500	-16.500	-16.500
<b>Min</b>	-13.504	-13.642	-13.683	-13.652
<b>Average</b>	-13.504	-13.583	-13.579	-13.563
<b>Max</b>	-13.504	-13.488	-13.516	-13.513
<b>UL</b>	-12.500	-12.500	-12.500	-12.500

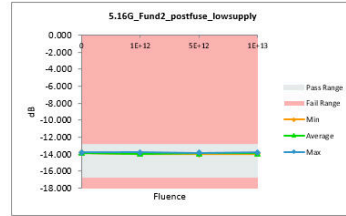


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_Fund2_postfuse_lowsu						
Test Site	CLAB					
Tester	ETS36402					
Test Number	EB726500					
Unit	dB					
Max Limit	-13.1300011					
Min Limit	-16.12959916					
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.531	-13.832	-0.699	4.81%	23.29%
1E+12	1	-13.995	-13.814	-0.181	1.29%	6.02%
1E+12	82	-14.589	-13.972	-0.617	4.23%	20.56%
1E+12	96	-14.681	-13.944	-0.737	5.02%	24.57%
5E+12	38	-14.524	-13.862	-0.662	4.56%	22.06%
5E+12	42	-14.538	-13.833	-0.705	4.85%	23.50%
5E+12	65	-14.687	-14.001	-0.686	4.67%	22.85%
1E+13	34	-14.554	-13.841	-0.713	4.90%	23.76%
1E+13	52	-14.604	-13.968	-0.636	4.35%	21.19%
1E+13	68	-14.496	-13.831	-0.664	4.58%	22.14%
Max		-13.995	-13.814	-0.181	5.02%	24.57%
Average		-14.520	-13.890	-0.630	4.33%	20.99%
Min		-14.687	-14.001	-0.737	1.29%	6.02%
Std Dev		0.195	0.072	0.162	1.09%	5.40%

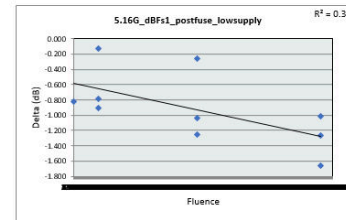


5.16G_Fund2_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	-12.77999973			
Min Limit	-16.78000069			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.780	-16.780	-16.780	-16.780
Min	-13.832	-13.972	-14.001	-13.968
Average	-13.832	-13.910	-13.899	-13.880
Max	-13.832	-13.814	-13.833	-13.831
UL	-12.780	-12.780	-12.780	-12.780

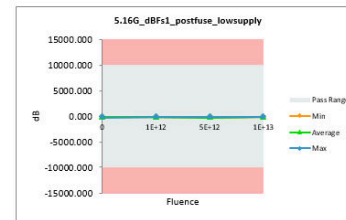


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBFs1_postfuse_lowsu						
Test Site	CLAB					
Tester	ETS36402					
Test Number	EB726500					
Unit	dB					
Max Limit	10000					
Min Limit	-10000					
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-82.573	-81.751	-0.822	1.00%	0.00%
1E+12	1	-84.017	-83.883	-0.133	0.16%	0.00%
1E+12	82	-82.905	-82.003	-0.903	1.09%	0.00%
1E+12	96	-82.201	-81.416	-0.785	0.95%	0.00%
5E+12	38	-85.513	-85.246	-0.266	0.31%	0.00%
5E+12	42	-82.563	-81.521	-1.042	1.26%	0.01%
5E+12	65	-83.631	-82.383	-1.248	1.49%	0.01%
1E+13	34	-81.560	-80.548	-1.012	1.24%	0.01%
1E+13	52	-82.598	-81.353	-1.265	1.53%	0.01%
1E+13	68	-84.559	-82.893	-1.666	1.97%	0.01%
Max		-81.560	-80.548	-1.013	1.97%	0.01%
Average		-83.212	-82.298	-0.914	1.10%	0.00%
Min		-85.513	-85.246	-1.666	0.16%	0.00%
Std Dev		1.201	1.388	0.457	0.55%	0.00%



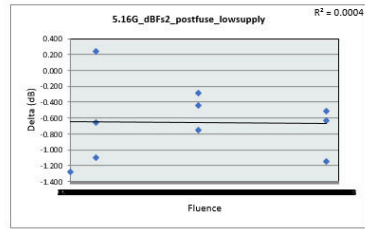
5.16G_dBFs1_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	10000			
Min Limit	-10000			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-81.751	-83.883	-85.246	-82.893
Average	-81.751	-82.434	-83.050	-81.591
Max	-81.751	-81.416	-81.521	-80.548
UL	10000.000	10000.000	10000.000	10000.000



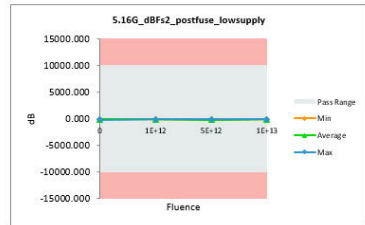


Radiation Site: VPT Rad  
NDD Report  
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5.16G_dBFs2_postfuse_lowsup						
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-83.584	-82.307	-1.277	1.53%	0.01%
1E+12	1	-84.922	-85.160	0.238	-0.28%	0.00%
1E+12	82	-83.732	-82.629	-1.103	1.32%	0.01%
1E+12	96	-82.838	-82.188	-0.651	0.79%	0.00%
5E+12	38	-86.836	-86.551	-0.285	0.33%	0.00%
5E+12	42	-82.864	-82.107	-0.757	0.91%	0.00%
5E+12	65	-83.955	-83.521	-0.435	0.52%	0.00%
1E+13	34	-82.304	-81.161	-1.143	1.39%	0.01%
1E+13	52	-83.178	-82.546	-0.632	0.76%	0.00%
1E+13	68	-84.502	-83.988	-0.514	0.61%	0.00%
	Max	-82.304	-81.161	0.238	1.53%	0.01%
	Average	-83.872	-83.216	-0.656	0.79%	0.00%
	Min	-86.836	-86.551	-1.277	-0.28%	0.00%
	Std Dev	1.309	1.623	0.452	0.54%	0.00%

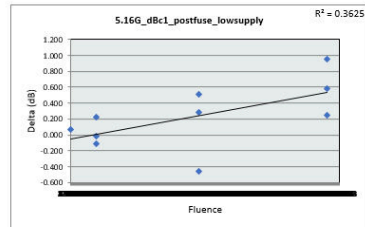


5.16G_dBFs2_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	10000	dB		
Min Limit	-10000	dB		
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-82.307	-85.160	-86.551	-83.988
Average	-82.307	-83.326	-84.060	-82.565
Max	-82.307	-82.188	-82.107	-81.161
UL	10000.000	10000.000	10000.000	10000.000

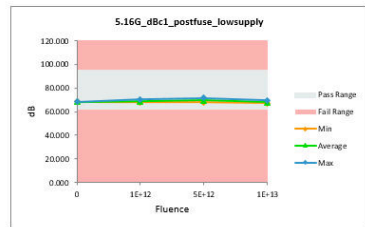


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBc1_postfuse_lowsup						
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	95	95				
Min Limit	62	62				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	68.316	68.247	0.069	0.10%	0.21%
1E+12	1	70.282	70.396	-0.114	-0.16%	0.35%
1E+12	82	68.583	68.361	0.222	0.32%	0.67%
1E+12	96	67.786	67.797	-0.011	-0.02%	0.03%
5E+12	38	71.254	71.707	-0.453	-0.64%	1.37%
5E+12	42	68.293	68.005	0.288	0.42%	0.87%
5E+12	65	69.208	68.700	0.508	0.73%	1.54%
1E+13	34	67.273	67.025	0.248	0.37%	0.75%
1E+13	52	68.264	67.681	0.583	0.85%	1.77%
1E+13	68	70.330	69.379	0.951	1.35%	2.88%
	Max	71.254	71.707	0.453	1.35%	2.88%
	Average	68.959	68.730	0.229	0.33%	1.04%
	Min	67.273	67.025	-0.453	-0.64%	0.03%
	Std Dev	1.276	1.408	0.394	0.56%	0.86%

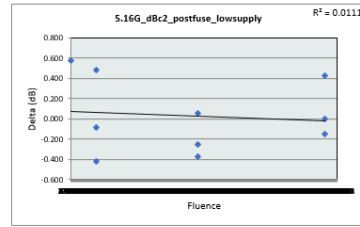


5.16G_dBc1_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	95	dB		
Min Limit	62	dB		
Fluence	0	1E+12	5E+12	1E+13
LL	62.000	62.000	62.000	62.000
Min	68.247	67.797	68.005	67.025
Average	68.247	68.851	69.471	68.028
Max	68.247	70.396	71.707	69.379
UL	95.000	95.000	95.000	95.000

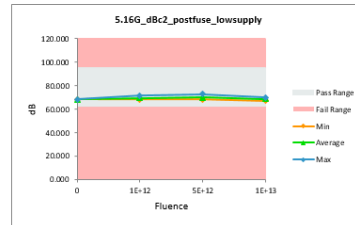


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBc2_postfuse_lowsup							
Test Site	CLAB		CLAB				
Tester	ETS36402		ETS36402				
Test Number	EB726500		EB726500				
Unit	dB		dB				
Max Limit	95		95				
Min Limit	62		62				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range	
0	24	69.053	68.475	0.578	0.84%	1.75%	
1E+12	1	70.926	71.345	-0.419	-0.59%	1.27%	
1E+12	82	69.143	68.657	0.486	0.70%	1.47%	
1E+12	96	68.157	68.243	-0.087	-0.13%	0.26%	
5E+12	38	72.313	72.689	-0.376	-0.52%	1.14%	
5E+12	42	68.326	68.275	0.052	0.08%	0.16%	
5E+12	65	69.269	69.519	-0.251	-0.36%	0.76%	
1E+13	34	67.750	67.320	0.430	0.64%	1.30%	
1E+13	52	68.574	68.578	-0.004	-0.01%	0.01%	
1E+13	68	70.006	70.156	-0.150	-0.21%	0.45%	
Max		72.313	72.689	0.578	0.84%	1.75%	
Average		69.352	69.326	0.026	0.04%	0.86%	
Min		67.750	67.320	-0.419	-0.59%	0.01%	
Std Dev		1.393	1.638	0.359	0.52%	0.61%	

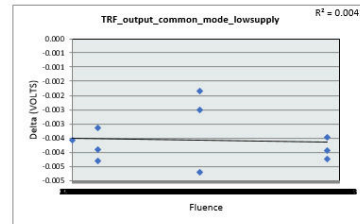


5.16G_dBc2_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	95			
Min Limit	62			
Fluence	0	1E+12	5E+12	1E+13
LL	62.000	62.000	62.000	62.000
Min	68.475	68.243	68.275	67.320
Average	69.475	69.415	70.161	68.685
Max	68.475	71.345	72.689	70.156
UL	95.000	95.000	95.000	95.000

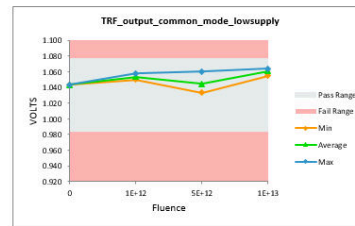


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

TRF_output_common_mode_1							
Test Site	CLAB		CLAB				
Tester	ETS36402		ETS36402				
Test Number	EB726500		EB726500				
Unit	VOLTS		VOLTS				
Max Limit	1.08200017		1.07700022				
Min Limit	1.006999969		0.98299998				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range	
0	24	1.040	1.044	-0.004	-0.34%	4.76%	
1E+12	1	1.054	1.058	-0.004	-0.37%	5.22%	
1E+12	82	1.050	1.053	-0.003	-0.30%	4.17%	
1E+12	96	1.046	1.050	-0.004	-0.41%	5.74%	
5E+12	38	1.056	1.060	-0.005	-0.45%	6.28%	
5E+12	42	1.039	1.042	-0.003	-0.24%	3.35%	
5E+12	65	1.032	1.034	-0.002	-0.18%	2.48%	
1E+13	34	1.051	1.055	-0.004	-0.40%	5.63%	
1E+13	52	1.060	1.063	-0.003	-0.33%	4.64%	
1E+13	68	1.061	1.064	-0.004	-0.37%	5.23%	
Max		1.061	1.064	-0.002	-0.18%	6.28%	
Average		1.049	1.052	-0.004	-0.34%	4.75%	
Min		1.032	1.034	-0.005	-0.45%	2.48%	
Std Dev		0.009	0.010	0.001	0.08%	1.16%	



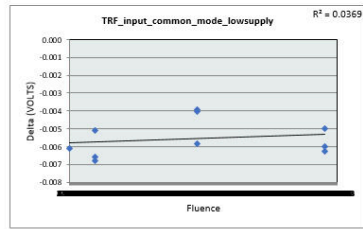
TRF_output_common_mode				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	VOLTS			
Max Limit	1.07700022			
Min Limit	0.98299998			
Fluence	0	1E+12	5E+12	1E+13
LL	0.983	0.983	0.983	0.983
Min	1.044	1.050	1.034	1.055
Average	1.044	1.054	1.045	1.061
Max	1.044	1.058	1.060	1.064
UL	1.077	1.077	1.077	1.077



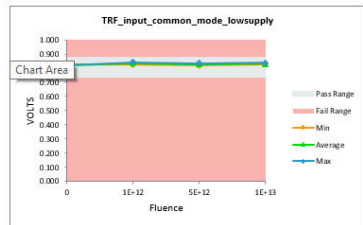


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		TRF_input_common_mode_low				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		VOLTS	VOLTS			
Max Limit		0.879999995	0.879999995			
Min Limit		0.75	0.734000027			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	0.818	0.825	-0.006	-0.74%	4.68%
1E+12	1	0.838	0.844	-0.007	-0.79%	5.06%
1E+12	82	0.823	0.828	-0.005	-0.62%	3.93%
1E+12	96	0.828	0.835	-0.007	-0.82%	5.23%
5E+12	38	0.830	0.836	-0.006	-0.70%	4.49%
5E+12	42	0.817	0.821	-0.004	-0.48%	3.03%
5E+12	65	0.828	0.832	-0.004	-0.49%	3.11%
1E+13	34	0.826	0.833	-0.006	-0.76%	4.83%
1E+13	52	0.822	0.828	-0.006	-0.73%	4.60%
1E+13	68	0.834	0.839	-0.005	-0.60%	3.83%
Max		0.838	0.844	-0.004	-0.48%	5.23%
Average		0.827	0.832	-0.006	-0.67%	4.28%
Min		0.817	0.821	-0.007	-0.82%	3.03%
Std Dev		0.007	0.007	0.001	0.12%	0.77%

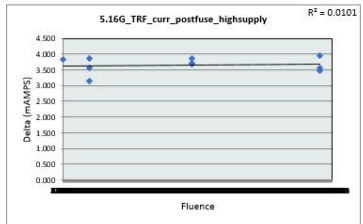


		TRF_input_common_mode_l					
Test Site		CLAB	CLAB				
Tester		ETS36402	ETS36402				
Test Number		EB726500	EB726500				
Unit		VOLTS	VOLTS				
Max Limit		0.879999995	0.879999995				
Min Limit		0.734000027	0.734000027				
Fluence		0	1E+12	5E+12	1E+13		
LL		0.734	0.734	0.734	0.734		
Min		0.825	0.828	0.821	0.828		
Average		0.825	0.836	0.830	0.833		
Max		0.825	0.844	0.836	0.839		
UL		0.880	0.880	0.880	0.880		

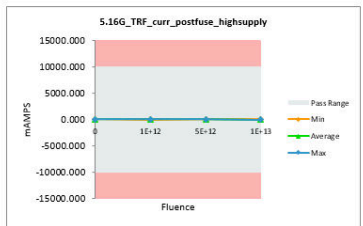


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		S.16G_TRF_curr_postfuse_hiq				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		mAMPS	mAMPS			
Max Limit		10000	10000			
Min Limit		-10000	-10000			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	131.030	127.198	3.832	2.92%	0.02%
1E+12	1	127.260	123.707	3.553	2.79%	0.02%
1E+12	82	128.091	124.933	3.158	2.47%	0.02%
1E+12	96	130.113	126.250	3.862	2.97%	0.02%
5E+12	38	127.804	124.130	3.674	2.87%	0.02%
5E+12	42	130.348	126.481	3.867	2.97%	0.02%
5E+12	65	130.322	126.599	3.723	2.86%	0.02%
1E+13	34	128.687	124.730	3.957	3.08%	0.02%
1E+13	52	127.804	124.232	3.573	2.80%	0.02%
1E+13	68	129.263	125.794	3.469	2.68%	0.02%
Max		131.030	127.198	3.957	3.08%	0.02%
Average		129.072	125.405	3.667	2.84%	0.02%
Min		127.260	123.707	3.558	2.79%	0.02%
Std Dev		1.323	1.212	0.239	0.17%	0.00%

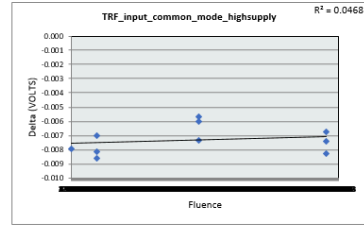


		S.16G_TRF_curr_postfuse_h					
Test Site		CLAB	CLAB				
Tester		ETS36402	ETS36402				
Test Number		EB726500	EB726500				
Unit		mAMPS	mAMPS				
Max Limit		10000	10000				
Min Limit		-10000	-10000				
Fluence		0	1E+12	5E+12	1E+13		
LL		-10000.000	-10000.000	-10000.000	-10000.000		
Min		127.198	123.707	124.130	124.232		
Average		127.198	124.963	125.737	124.919		
Max		127.198	126.250	126.599	125.794		
UL		10000.000	10000.000	10000.000	10000.000		

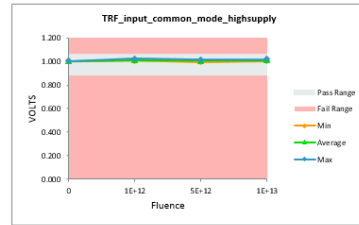


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		TRF_input_common_mode_highsupply				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	VOLTS	VOLTS				
Max Limit	1.06099999	1.059999943				
Min Limit	0.92900002	0.879999995				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	0.996	1.004	-0.008	-0.80%	6.00%
1E+12	1	1.016	1.024	-0.008	-0.80%	6.19%
1E+12	82	1.000	1.007	-0.007	-0.70%	5.29%
1E+12	96	1.005	1.014	-0.009	-0.86%	6.52%
5E+12	38	1.008	1.016	-0.007	-0.73%	5.57%
5E+12	42	0.996	1.001	-0.006	-0.57%	4.31%
5E+12	65	1.006	1.012	-0.006	-0.60%	4.58%
1E+13	34	1.005	1.013	-0.008	-0.82%	6.26%
1E+13	52	1.000	1.007	-0.007	-0.74%	5.63%
1E+13	68	1.013	1.019	-0.007	-0.67%	5.13%
Max		1.016	1.024	-0.006	-0.57%	6.52%
Average		1.004	1.012	-0.007	-0.73%	5.55%
Min		0.996	1.001	-0.009	-0.86%	4.31%
Std Dev		0.007	0.007	0.001	0.09%	0.73%

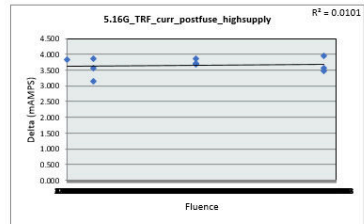


		TRF_input_common_mode_highsupply			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	1.059999943	VOLTS			
Min Limit	0.879999995	VOLTS			
Fluence	0	1E+12	5E+12	1E+13	
LL	0.880	0.880	0.880	0.880	
Min	1.004	1.007	1.001	1.007	
Average	1.004	1.015	1.010	1.013	
Max	1.004	1.024	1.016	1.019	
UL	1.060	1.060	1.060	1.060	

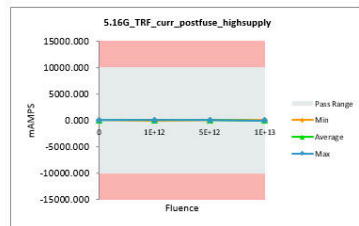


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		5.16G_TRF_curr_postfuse_highsupply				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	mAMPS	mAMPS				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	131.030	127.198	3.832	2.92%	0.02%
1E+12	1	127.260	123.707	3.553	2.79%	0.02%
1E+12	82	128.091	124.933	3.158	2.47%	0.02%
1E+12	96	130.113	126.250	3.862	2.97%	0.02%
5E+12	38	127.804	124.130	3.674	2.87%	0.02%
5E+12	42	130.348	126.481	3.867	2.97%	0.02%
5E+12	65	130.322	126.599	3.723	2.86%	0.02%
1E+13	34	128.687	124.730	3.957	3.08%	0.02%
1E+13	52	127.804	124.232	3.573	2.80%	0.02%
1E+13	68	129.263	125.794	3.469	2.68%	0.02%
Max		131.030	127.198	3.957	3.08%	0.02%
Average		129.072	125.405	3.667	2.84%	0.02%
Min		127.260	123.707	3.158	2.47%	0.02%
Std Dev		1.323	1.212	0.239	0.17%	0.00%

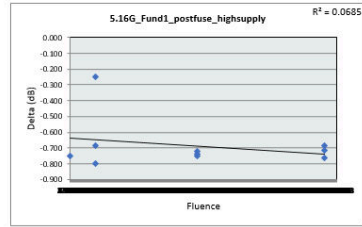


		5.16G_TRF_curr_postfuse_highsupply			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	10000	mAMPS			
Min Limit	-10000	mAMPS			
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	127.198	123.707	124.130	124.232	
Average	127.198	124.963	125.737	124.919	
Max	127.198	126.250	126.599	125.794	
UL	10000.000	10000.000	10000.000	10000.000	

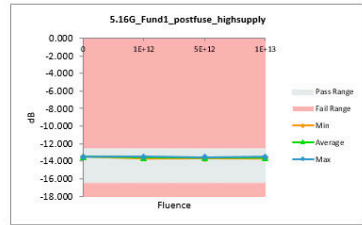


Radation Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_Fund1_postfuse_highs						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-12.8699989		-12.4700027			
Min Limit	-15.8699989		-16.4699931			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.254	-13.511	-0.753	5.28%	25.10%
1E+12	1	-13.744	-13.497	-0.247	1.80%	8.25%
1E+12	82	-14.333	-13.649	-0.683	4.77%	22.78%
1E+12	96	-14.422	-13.624	-0.798	5.53%	26.59%
5E+12	38	-14.266	-13.544	-0.723	5.07%	24.09%
5E+12	42	-14.275	-13.524	-0.751	5.26%	25.03%
5E+12	65	-14.425	-13.687	-0.738	5.12%	24.62%
1E+13	34	-14.296	-13.534	-0.761	5.33%	25.38%
1E+13	52	-14.344	-13.657	-0.687	4.79%	22.89%
1E+13	68	-14.235	-13.520	-0.715	5.02%	23.82%
Max		-13.744	-13.497	-0.247	5.53%	26.59%
Average		-14.260	-13.575	-0.686	4.80%	22.96%
Min		-14.425	-13.687	-0.798	1.80%	8.25%
Std Dev		0.193	0.071	0.158	1.08%	5.26%

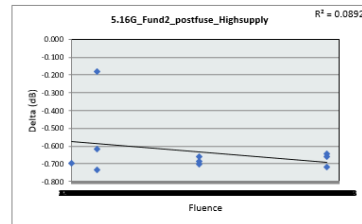


5.16G_Fund1_postfuse_high				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	-12.4700027 dB			
Min Limit	-16.4699931 dB			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.470	-16.470	-16.470	-16.470
Min	-13.511	-13.649	-13.687	-13.657
Average	-13.511	-13.590	-13.585	-13.570
Max	-13.511	-13.497	-13.524	-13.520
UL	-12.470	-12.470	-12.470	-12.470

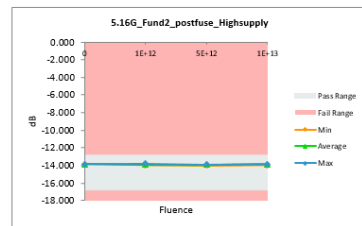


Radation Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_Fund2_postfuse_Highs						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.1300011		-12.75			
Min Limit	-16.1299916		-16.75			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.537	-13.841	-0.696	4.79%	23.20%
1E+12	1	-14.003	-13.822	-0.181	1.30%	6.05%
1E+12	82	-14.595	-13.979	-0.616	4.22%	20.53%
1E+12	96	-14.687	-13.953	-0.734	5.00%	24.46%
5E+12	38	-14.528	-13.868	-0.660	4.54%	22.00%
5E+12	42	-14.545	-13.842	-0.703	4.83%	23.44%
5E+12	65	-14.694	-14.005	-0.688	4.69%	22.95%
1E+13	34	-14.565	-13.849	-0.717	4.92%	23.89%
1E+13	52	-14.614	-13.972	-0.642	4.39%	21.40%
1E+13	68	-14.499	-13.837	-0.662	4.57%	22.06%
Max		-14.003	-13.822	-0.181	5.00%	24.46%
Average		-14.527	-13.897	-0.630	4.32%	21.00%
Min		-14.694	-14.005	-0.734	1.30%	6.05%
Std Dev		0.195	0.071	0.162	1.09%	5.39%

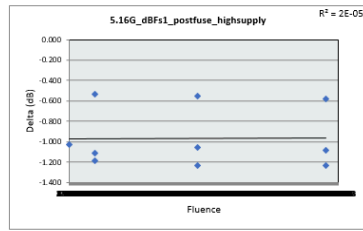


5.16G_Fund2_postfuse_High				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	-12.75 dB			
Min Limit	-16.75 dB			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.750	-16.750	-16.750	-16.750
Min	-13.841	-13.979	-14.005	-13.972
Average	-13.841	-13.918	-13.905	-13.886
Max	-13.841	-13.822	-13.842	-13.837
UL	-12.750	-12.750	-12.750	-12.750

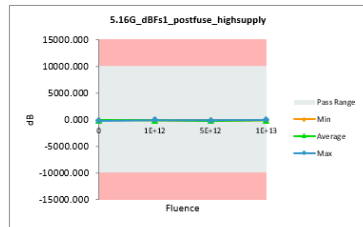


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		5.16G_dBFs1_postfuse_highs				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-80.223	-79.196	-1.028	1.28%	0.01%
1E+12	1	-81.307	-80.771	-0.536	0.66%	0.00%
1E+12	82	-80.537	-79.428	-1.109	1.38%	0.01%
1E+12	96	-79.977	-78.787	-1.190	1.49%	0.01%
5E+12	38	-82.581	-82.028	-0.553	0.67%	0.00%
5E+12	42	-80.099	-79.043	-1.057	1.32%	0.01%
5E+12	65	-81.117	-79.881	-1.236	1.52%	0.01%
1E+13	34	-79.618	-78.531	-1.086	1.36%	0.01%
1E+13	52	-80.372	-79.136	-1.236	1.54%	0.01%
1E+13	68	-81.052	-80.473	-0.579	0.71%	0.00%
	<b>Max</b>	-79.618	-78.531	-0.536	1.54%	0.01%
	<b>Average</b>	-80.688	-79.727	-0.961	1.19%	0.00%
	<b>Min</b>	-82.581	-82.028	-1.236	0.66%	0.00%
	<b>Std Dev</b>	0.857	1.078	0.288	0.36%	0.00%

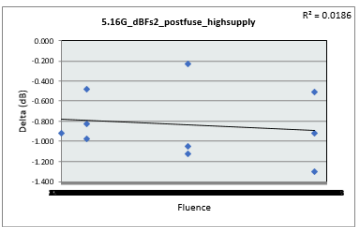


		5.16G_dBFs1_postfuse_high			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Unit	dB				
Max Limit	10000				
Min Limit	-10000				
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	-79.196	-80.771	-82.028	-80.473	
Average	-79.196	-79.662	-80.317	-79.380	
Max	-79.196	-78.787	-79.043	-78.531	
UL	10000.000	10000.000	10000.000	10000.000	

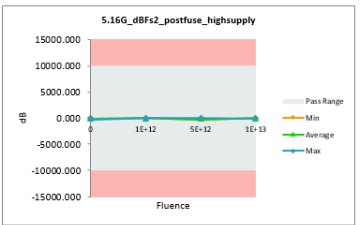


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		5.16G_dBFs2_postfuse_highs				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-80.924	-80.003	-0.921	1.14%	0.00%
1E+12	1	-82.003	-81.525	-0.478	0.58%	0.00%
1E+12	82	-81.095	-80.272	-0.822	1.01%	0.00%
1E+12	96	-80.605	-79.631	-0.974	1.21%	0.00%
5E+12	38	-83.154	-82.924	-0.230	0.28%	0.00%
5E+12	42	-80.884	-79.832	-1.051	1.30%	0.01%
5E+12	65	-81.684	-80.558	-1.125	1.38%	0.01%
1E+13	34	-80.479	-79.175	-1.304	1.62%	0.01%
1E+13	52	-80.791	-79.869	-0.923	1.14%	0.00%
1E+13	68	-81.684	-81.175	-0.509	0.62%	0.00%
	<b>Max</b>	-80.479	-79.175	-0.230	1.62%	0.01%
	<b>Average</b>	-81.330	-80.496	-0.834	1.03%	0.00%
	<b>Min</b>	-83.154	-82.924	-1.304	0.28%	0.00%
	<b>Std Dev</b>	0.815	1.107	0.331	0.41%	0.00%

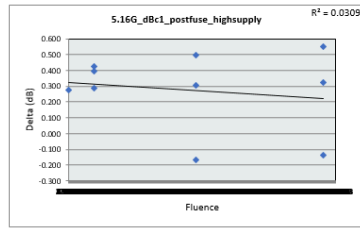


		5.16G_dBFs2_postfuse_high			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Unit	dB				
Max Limit	10000				
Min Limit	-10000				
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	-80.003	-81.525	-82.924	-81.175	
Average	-80.003	-80.476	-81.105	-80.073	
Max	-80.003	-79.631	-79.832	-79.175	
UL	10000.000	10000.000	10000.000	10000.000	

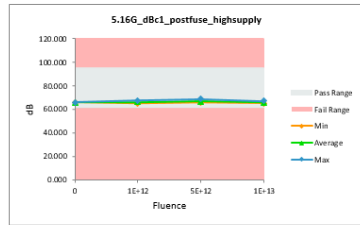


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBc1_postfuse_highsup						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	95		95			
Min Limit	61		61			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	65.959	65.684	0.275	0.42%	0.81%
1E+12	1	67.563	67.274	0.289	0.43%	0.85%
1E+12	82	66.205	65.779	0.425	0.64%	1.23%
1E+12	96	65.556	65.163	0.392	0.60%	1.15%
5E+12	38	68.314	68.484	-0.170	-0.25%	0.50%
5E+12	42	65.824	65.519	0.306	0.46%	0.90%
5E+12	65	66.692	66.194	0.498	0.75%	1.46%
1E+13	34	65.322	64.997	0.325	0.50%	0.96%
1E+13	52	66.028	65.478	0.549	0.83%	1.61%
1E+13	68	66.817	66.953	-0.136	-0.20%	0.40%
Max		68.314	68.484	0.549	0.83%	1.61%
Average		66.428	66.153	0.275	0.42%	0.99%
Min		65.322	64.997	-0.170	-0.25%	0.40%
Std Dev		0.934	1.099	0.243	0.37%	0.39%

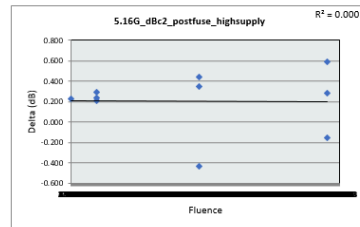


5.16G_dBc1_postfuse_highs				
Test Site	CLAB		CLAB	
Tester	ETS36402		ETS36402	
Test Number	EB726500		EB726500	
Unit	dB		dB	
Max Limit	95		95	
Min Limit	61		61	
Fluence	0	1E+12	5E+12	1E+13
LL	61.000	61.000	61.000	61.000
Min	65.684	65.163	65.519	64.997
Average	65.684	66.072	66.732	65.810
Max	65.684	67.274	68.484	66.953
UL	95.000	95.000	95.000	95.000

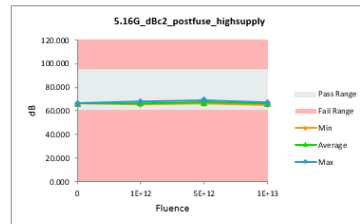


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

5.16G_dBc2_postfuse_highsup						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	95		95			
Min Limit	61		61			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	66.388	66.163	0.225	0.34%	0.66%
1E+12	1	68.000	67.703	0.297	0.44%	0.87%
1E+12	82	66.500	66.293	0.206	0.31%	0.61%
1E+12	96	65.918	65.678	0.240	0.36%	0.71%
5E+12	38	68.626	69.056	-0.430	-0.63%	1.27%
5E+12	42	66.339	65.991	0.348	0.52%	1.02%
5E+12	65	66.990	66.553	0.437	0.65%	1.28%
1E+13	34	65.914	65.327	0.587	0.89%	1.73%
1E+13	52	66.177	65.896	0.281	0.42%	0.83%
1E+13	68	67.185	67.337	-0.152	-0.23%	0.45%
Max		68.626	69.056	0.587	0.89%	1.73%
Average		66.804	66.600	0.204	0.31%	0.64%
Min		65.914	65.327	-0.430	-0.63%	0.45%
Std Dev		0.906	1.126	0.292	0.43%	0.39%

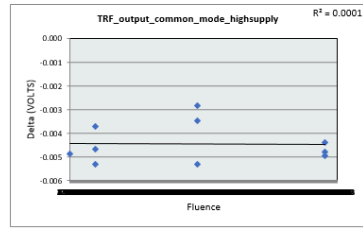


5.16G_dBc2_postfuse_highs				
Test Site	CLAB		CLAB	
Tester	ETS36402		ETS36402	
Test Number	EB726500		EB726500	
Unit	dB		dB	
Max Limit	95		95	
Min Limit	61		61	
Fluence	0	1E+12	5E+12	1E+13
LL	61.000	61.000	61.000	61.000
Min	66.163	65.678	65.991	65.327
Average	66.163	66.558	67.200	66.187
Max	66.163	67.703	69.056	67.337
UL	95.000	95.000	95.000	95.000

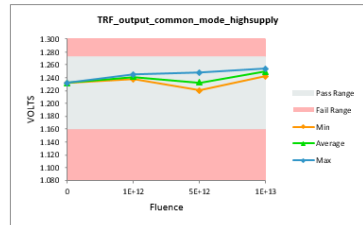


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		TRF_output_common_mode_h				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		VOLTS	VOLTS			
Max Limit		1.274999976	1.273000002			
Min Limit		1.190000057	1.159999967			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	1.227	1.232	-0.005	-0.40%	5.73%
1E+12	1	1.241	1.245	-0.005	-0.38%	5.49%
1E+12	82	1.236	1.240	-0.004	-0.30%	4.38%
1E+12	96	1.232	1.238	-0.005	-0.43%	6.26%
5E+12	38	1.243	1.248	-0.005	-0.43%	6.24%
5E+12	42	1.225	1.228	-0.003	-0.28%	4.06%
5E+12	65	1.217	1.220	-0.003	-0.23%	3.33%
1E+13	34	1.237	1.242	-0.005	-0.40%	5.84%
1E+13	52	1.248	1.253	-0.004	-0.35%	5.18%
1E+13	68	1.249	1.254	-0.005	-0.38%	5.61%
Max		1.249	1.254	-0.003	-0.23%	6.26%
Average		1.236	1.240	-0.004	-0.36%	5.21%
Min		1.217	1.220	-0.003	-0.43%	3.33%
Std Dev		0.010	0.011	0.001	0.07%	0.58%

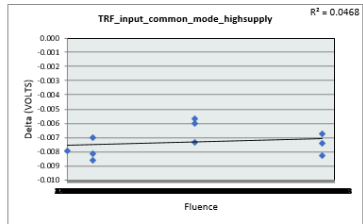


		TRF_output_common_mode				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Max Limit		1.273000002	VOLTS			
Min Limit		1.159999967	VOLTS			
Fluence	0	1E+12	5E+12	1E+13		
LL	1.160	1.160	1.160	1.160		
Min	1.232	1.238	1.220	1.242		
Average	1.232	1.241	1.232	1.249		
Max	1.232	1.245	1.248	1.254		
UL	1.273	1.273	1.273	1.273		

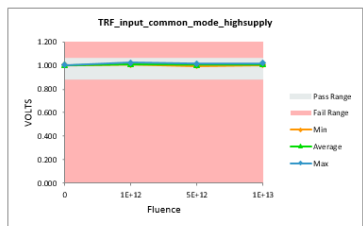


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		TRF_input_common_mode_h				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		VOLTS	VOLTS			
Max Limit		1.060999999	1.059999943			
Min Limit		0.929000002	0.879999995			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	0.996	1.004	-0.008	-0.80%	6.00%
1E+12	1	1.016	1.024	-0.008	-0.80%	6.19%
1E+12	82	1.000	1.007	-0.007	-0.70%	5.29%
1E+12	96	1.005	1.014	-0.009	-0.86%	6.52%
5E+12	38	1.008	1.016	-0.007	-0.73%	5.57%
5E+12	42	0.996	1.001	-0.006	-0.57%	4.31%
5E+12	65	1.006	1.012	-0.006	-0.60%	4.58%
1E+13	34	1.005	1.013	-0.008	-0.82%	6.26%
1E+13	52	1.000	1.007	-0.007	-0.74%	5.63%
1E+13	68	1.013	1.019	-0.007	-0.67%	5.13%
Max		1.016	1.024	-0.006	-0.57%	6.52%
Average		1.004	1.012	-0.007	-0.73%	5.55%
Min		0.996	1.001	-0.009	-0.86%	4.31%
Std Dev		0.007	0.007	0.001	0.09%	0.73%

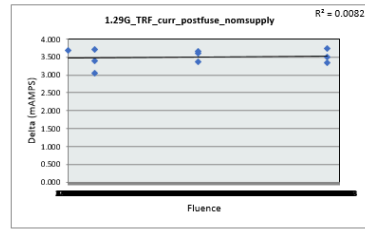


		TRF_input_common_mode_l				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Max Limit		1.059999943	VOLTS			
Min Limit		0.879999995	VOLTS			
Fluence	0	1E+12	5E+12	1E+13		
LL	0.880	0.880	0.880	0.880		
Min	1.004	1.007	1.001	1.007		
Average	1.004	1.015	1.010	1.013		
Max	1.004	1.024	1.016	1.019		
UL	1.060	1.060	1.060	1.060		

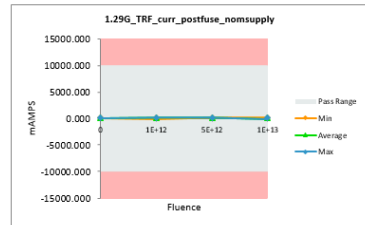


Radation Site: VPT Rad  
NDD Report  
TRF0206-SP

		1.29G_TRF_curr_postfuse_nom				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	mAMPS	mAMPS				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	129.239	125.549	3.691	2.86%	0.02%
1E+12	1	125.575	122.174	3.401	2.71%	0.02%
1E+12	82	126.402	123.355	3.048	2.41%	0.02%
1E+12	96	128.338	124.614	3.723	2.90%	0.02%
5E+12	38	126.018	122.640	3.378	2.68%	0.02%
5E+12	42	128.548	124.887	3.662	2.85%	0.02%
5E+12	65	128.597	124.982	3.615	2.81%	0.02%
1E+13	34	125.934	123.203	2.731	2.16%	0.02%
1E+13	52	126.157	122.654	3.503	2.78%	0.02%
1E+13	68	127.505	124.169	3.336	2.62%	0.02%
Max		129.239	125.549	3.731	2.94%	0.02%
Average		127.331	123.823	3.509	2.75%	0.02%
Min		125.575	122.174	3.401	2.71%	0.02%
Std Dev		1.290	1.168	0.220	0.16%	0.00%

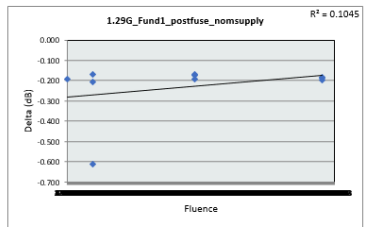


		1.29G_TRF_curr_postfuse_n			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	10000	mAMPS			
Min Limit	-10000	mAMPS			
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	125.549	122.174	122.640	122.654	
Average	125.549	123.381	124.169	123.342	
Max	125.549	124.614	124.982	124.169	
UL	10000.000	10000.000	10000.000	10000.000	

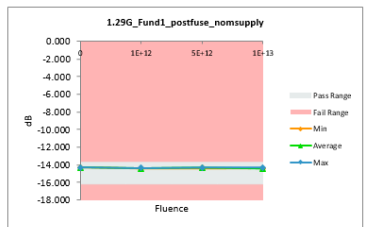


Radation Site: VPT Rad  
NDD Report  
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		1.29G_Fund1_postfuse_noms				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	-13.35000038	-13.64999962				
Min Limit	-15.85000038	-16.14999962				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.513	-14.321	-0.192	1.32%	7.68%
1E+12	1	-15.002	-14.393	-0.608	4.06%	24.34%
1E+12	82	-14.569	-14.400	-0.170	1.16%	6.79%
1E+12	96	-14.582	-14.378	-0.204	1.40%	8.17%
5E+12	38	-14.509	-14.339	-0.170	1.17%	6.82%
5E+12	42	-14.548	-14.355	-0.193	1.33%	7.71%
5E+12	65	-14.543	-14.369	-0.174	1.20%	6.96%
1E+13	34	-14.590	-14.392	-0.198	1.36%	7.91%
1E+13	52	-14.616	-14.427	-0.190	1.30%	7.58%
1E+13	68	-14.528	-14.344	-0.183	1.26%	7.32%
Max		-14.509	-14.321	-0.170	1.17%	6.82%
Average		-14.600	-14.372	-0.228	1.56%	9.13%
Min		-15.002	-14.427	-0.608	4.06%	24.34%
Std Dev		0.145	0.032	0.134	0.88%	5.36%

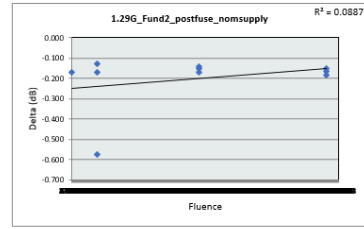


		1.29G_Fund1_postfuse_nom			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	-13.64999962	dB			
Min Limit	-16.14999962	dB			
Fluence	0	1E+12	5E+12	1E+13	
LL	-16.150	-16.150	-16.150	-16.150	
Min	-14.321	-14.400	-14.359	-14.427	
Average	-14.321	-14.390	-14.354	-14.358	
Max	-14.321	-14.378	-14.339	-14.344	
UL	-13.650	-13.650	-13.650	-13.650	

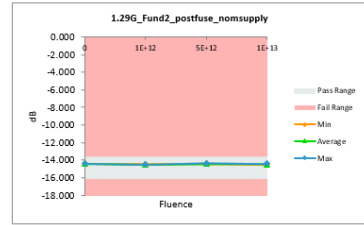


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

1.29G_Fund2_postfuse_noms						
Test Site	CLAB					
Tester	ETS36402					
Test Number	EB726500					
Unit	dB					
Max Limit	-13.36999962					
Min Limit	-15.86999962					
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.548	-14.378	-0.170	1.17%	6.79%
1E+12	1	-15.031	-14.454	-0.577	3.84%	23.08%
1E+12	82	-14.590	-14.460	-0.130	0.89%	5.22%
1E+12	96	-14.608	-14.438	-0.169	1.16%	6.78%
5E+12	38	-14.537	-14.393	-0.144	0.99%	5.77%
5E+12	42	-14.575	-14.406	-0.169	1.16%	6.78%
5E+12	65	-14.568	-14.418	-0.150	1.03%	6.01%
1E+13	34	-14.625	-14.442	-0.182	1.25%	7.30%
1E+13	52	-14.648	-14.482	-0.166	1.13%	6.65%
1E+13	68	-14.557	-14.403	-0.154	1.06%	6.15%
Max		-14.537	-14.378	-0.130	3.84%	23.08%
Average		-14.629	-14.427	-0.201	1.37%	8.05%
Min		-15.031	-14.482	-0.577	0.89%	5.22%
Std Dev		0.145	0.033	0.133	0.87%	5.32%

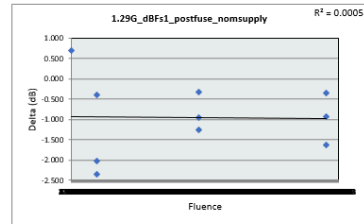


1.29G_Fund2_postfuse_noms				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	-13.36999962			
Min Limit	-16.14999962			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.150	-16.150	-16.150	-16.150
Min	-14.378	-14.460	-14.418	-14.482
Average	-14.378	-14.450	-14.406	-14.443
Max	-14.378	-14.438	-14.393	-14.403
UL	-13.650	-13.650	-13.650	-13.650

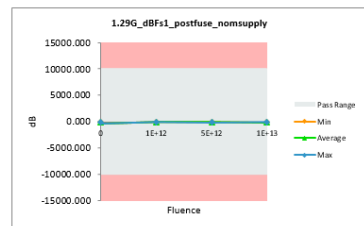


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

1.29G_dBFs1_postfuse_noms						
Test Site	CLAB					
Tester	ETS36402					
Test Number	EB726500					
Unit	dB					
Max Limit	10000					
Min Limit	-10000					
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-91.774	-92.469	0.695	-0.76%	0.00%
1E+12	1	-91.829	-89.490	-2.340	2.55%	0.01%
1E+12	82	-93.063	-91.036	-2.026	2.18%	0.01%
1E+12	96	-91.734	-91.329	-0.405	0.44%	0.00%
5E+12	38	-89.440	-89.125	-0.315	0.35%	0.00%
5E+12	42	-92.648	-91.389	-1.259	1.36%	0.01%
5E+12	65	-92.612	-91.647	-0.965	1.04%	0.00%
1E+13	34	-90.926	-90.582	-0.344	0.38%	0.00%
1E+13	52	-91.244	-89.616	-1.628	1.78%	0.01%
1E+13	68	-91.622	-90.697	-0.924	1.01%	0.00%
Max		-89.440	-89.125	0.695	2.55%	0.01%
Average		-91.689	-90.738	-0.951	1.03%	0.01%
Min		-93.063	-92.469	-2.340	-0.76%	0.00%
Std Dev		1.029	1.061	0.908	0.98%	0.00%



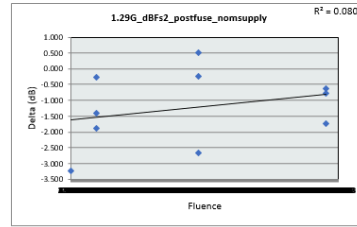
1.29G_dBFs1_postfuse_noms				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	10000			
Min Limit	-10000			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-92.469	-91.329	-91.647	-90.697
Average	-92.469	-90.618	-90.720	-90.299
Max	-92.469	-89.490	-89.125	-89.616
UL	10000.000	10000.000	10000.000	10000.000



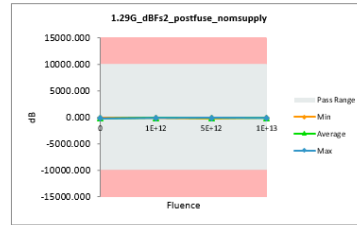


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

1.29G_dBfs2_postfuse_noms						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-96.255	-93.036	-3.219	3.34%	0.02%
1E+12	1	-92.202	-90.799	-1.403	1.52%	0.01%
1E+12	82	-94.450	-92.579	-1.871	1.98%	0.01%
1E+12	96	-92.856	-92.600	-0.256	0.28%	0.00%
5E+12	38	-90.208	-90.709	0.501	-0.56%	0.00%
5E+12	42	-95.707	-93.045	-2.661	2.78%	0.01%
5E+12	65	-92.819	-92.572	-0.247	0.27%	0.00%
1E+13	34	-94.006	-92.255	-1.751	1.86%	0.01%
1E+13	52	-92.922	-92.304	-0.618	0.67%	0.00%
1E+13	68	-92.276	-91.509	-0.767	0.83%	0.00%
Max		-90.208	-90.709	0.501	3.34%	0.02%
Average		-93.370	-92.141	-1.229	1.30%	0.01%
Min		-96.255	-93.045	-3.219	-0.56%	0.00%
Std Dev		1.795	0.850	1.165	1.22%	0.01%

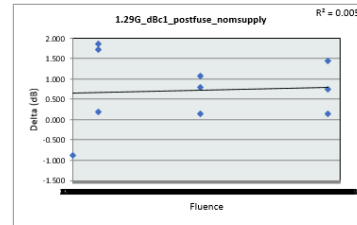


1.29G_dBfs2_postfuse_noms				
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-93.036	-92.600	-93.045	-92.304
Average	-93.036	-91.993	-92.109	-92.022
Max	-93.036	-90.799	-90.709	-91.509
UL	10000.000	10000.000	10000.000	10000.000

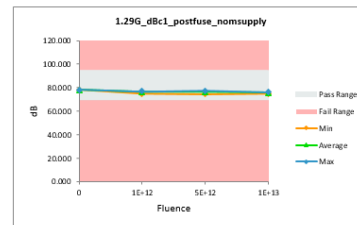


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

1.29G_dBc1_postfuse_noms						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	77.261	78.147	-0.887	-1.15%	1.85%
1E+12	1	76.828	75.096	1.731	2.25%	3.61%
1E+12	82	78.493	76.637	1.857	2.37%	3.87%
1E+12	96	77.152	76.951	0.201	0.26%	0.42%
5E+12	38	74.931	74.796	0.144	0.19%	0.30%
5E+12	42	78.100	77.034	1.066	1.36%	2.22%
5E+12	65	78.069	77.278	0.791	1.01%	1.65%
1E+13	34	76.337	76.191	0.146	0.19%	0.31%
1E+13	52	76.628	75.190	1.439	1.88%	3.00%
1E+13	68	77.094	76.353	0.741	0.96%	1.54%
Max		78.493	78.147	1.857	2.37%	3.87%
Average		77.089	76.366	0.723	0.93%	1.88%
Min		74.931	74.786	-0.887	-1.15%	0.30%
Std Dev		1.027	1.074	0.848	1.09%	1.32%

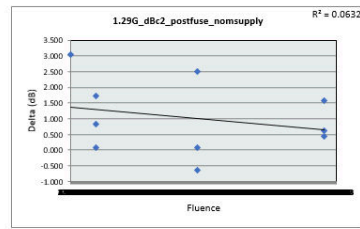


1.29G_dBc1_postfuse_noms				
Fluence	0	1E+12	5E+12	1E+13
LL	69.000	69.000	69.000	69.000
Min	78.147	75.096	74.786	75.190
Average	78.147	76.228	76.366	75.911
Max	78.147	76.951	77.278	76.353
UL	95.000	95.000	95.000	95.000

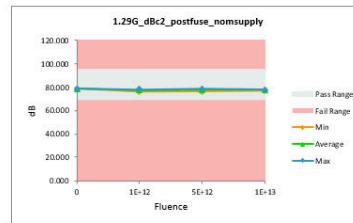


Radaiton Site: VPT Rad  
 NDD Report  
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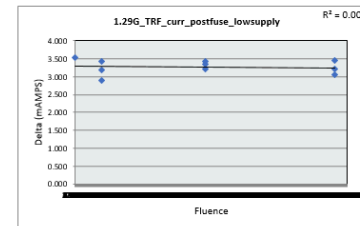
		1.29G_dBc2_postfuse_nomsu				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		dB	dB			
Max Limit		120	95			
Min Limit		72	69			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	81.707	78.658	3.049	3.73%	6.35%
1E+12	1	77.171	76.346	0.825	1.07%	1.72%
1E+12	82	79.860	78.120	1.741	2.18%	3.63%
1E+12	96	78.249	78.162	0.087	0.11%	0.18%
5E+12	38	75.671	76.316	-0.645	-0.85%	1.34%
5E+12	42	81.131	78.639	2.492	3.07%	5.19%
5E+12	65	78.251	78.154	0.096	0.12%	0.20%
1E+13	34	79.381	77.813	1.568	1.98%	3.27%
1E+13	52	78.274	77.822	0.452	0.58%	0.94%
1E+13	68	77.719	77.105	0.613	0.79%	1.28%
	Max	81.707	78.658	3.049	3.73%	6.35%
	Average	78.741	77.713	1.028	1.28%	2.41%
	Min	75.671	76.316	-0.645	-0.85%	0.18%
	Std Dev	1.820	0.851	1.161	1.44%	2.12%



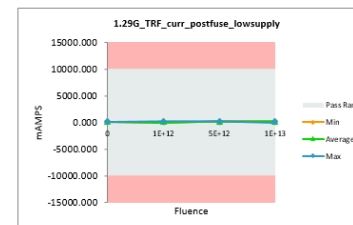
		1.29G_dBc2_postfuse_nomsu				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Max Limit		95	dB			
Min Limit		69	dB			
Fluence	0	1E+12	5E+12	1E+13	LL	UL
LL	69.000	69.000	69.000	69.000	69.000	69.000
Min	78.658	76.346	76.316	77.105		
Average	78.658	77.542	77.703	77.580		
Max	78.658	78.162	78.639	77.822		
UL	95.000	95.000	95.000	95.000		


 Radaiton Site: VPT Rad  
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		1.29G_TRF_curr_postfuse_low				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		mAMPS	mAMPS			
Max Limit		10000	10000			
Min Limit		-10000	-10000			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	127.396	123.850	3.546	2.78%	0.02%
1E+12	1	123.797	120.603	3.194	2.58%	0.02%
1E+12	82	124.607	121.714	2.893	2.32%	0.01%
1E+12	96	126.454	123.030	3.424	2.71%	0.02%
5E+12	38	124.249	121.044	3.204	2.58%	0.02%
5E+12	42	126.683	123.328	3.355	2.65%	0.02%
5E+12	65	126.743	123.324	3.419	2.70%	0.02%
1E+13	34	125.115	121.654	3.461	2.77%	0.02%
1E+13	52	124.336	121.126	3.210	2.58%	0.02%
1E+13	68	125.676	122.631	3.045	2.42%	0.02%
	Max	127.396	123.850	3.546	2.78%	0.02%
	Average	125.505	122.230	3.275	2.61%	0.02%
	Min	123.797	120.603	2.893	2.32%	0.01%
	Std Dev	1.258	1.140	0.203	0.15%	0.00%

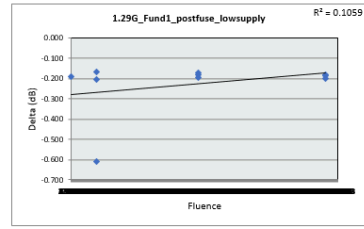


		1.29G_TRF_curr_postfuse_low				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Max Limit		10000	mAMPS			
Min Limit		-10000	mAMPS			
Fluence	0	1E+12	5E+12	1E+13	LL	UL
LL	-10000.000	-10000.000	-10000.000	-10000.000	-10000.000	-10000.000
Min	123.850	120.603	121.044	121.126		
Average	123.850	121.782	122.565	121.804		
Max	123.850	123.030	123.328	122.631		
UL	10000.000	10000.000	10000.000	10000.000		

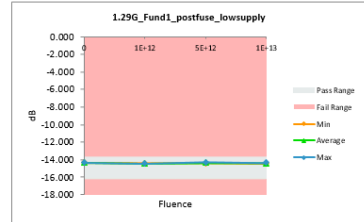


Radaition Site: VPT Rad  
NDD Report  
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1.29G_Fund1_postfuse_lowsu						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.34000015		-13.64999962			
Min Limit	-15.84000015		-16.14999962			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.510	-14.320	-0.191	1.31%	7.63%
1E+12	1	-14.996	-14.386	-0.610	4.07%	24.41%
1E+12	82	-14.564	-14.397	-0.168	1.15%	6.70%
1E+12	96	-14.579	-14.372	-0.207	1.42%	8.26%
5E+12	38	-14.506	-14.334	-0.172	1.19%	6.88%
5E+12	42	-14.543	-14.349	-0.194	1.33%	7.76%
5E+12	65	-14.542	-14.363	-0.180	1.24%	7.19%
1E+13	34	-14.536	-14.396	-0.201	1.38%	8.03%
1E+13	52	-14.611	-14.425	-0.186	1.28%	7.46%
1E+13	68	-14.522	-14.341	-0.180	1.24%	7.22%
Max		-14.506	-14.320	-0.168	4.07%	24.41%
Average		-14.596	-14.367	-0.229	1.56%	9.15%
Min		-14.996	-14.425	-0.610	1.15%	6.70%
Std Dev		0.145	0.032	0.135	0.89%	5.38%

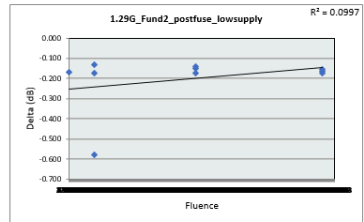


1.29G_Fund1_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	-13.64999962 dB			
Min Limit	-16.14999962 dB			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.150	-16.150	-16.150	-16.150
Min	-14.320	-14.397	-14.363	-14.425
Average	-14.320	-14.385	-14.349	-14.384
Max	-14.320	-14.372	-14.334	-14.341
UL	-13.650	-13.650	-13.650	-13.650

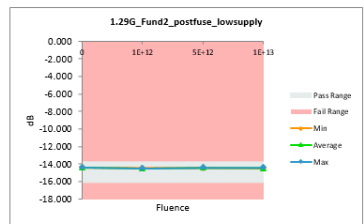


Radaition Site: VPT Rad  
NDD Report  
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1.29G_Fund2_postfuse_lowsu						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.36999989		-13.64999962			
Min Limit	-15.86999989		-16.14999962			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.543	-14.371	-0.172	1.18%	6.88%
1E+12	1	-15.023	-14.446	-0.577	3.84%	23.07%
1E+12	82	-14.588	-14.456	-0.132	0.90%	5.27%
1E+12	96	-14.805	-14.430	-0.175	1.20%	7.02%
5E+12	38	-14.532	-14.390	-0.142	0.97%	5.66%
5E+12	42	-14.574	-14.399	-0.175	1.20%	6.99%
5E+12	65	-14.565	-14.413	-0.152	1.04%	6.07%
1E+13	34	-14.616	-14.441	-0.175	1.20%	7.02%
1E+13	52	-14.642	-14.478	-0.164	1.12%	6.56%
1E+13	68	-14.550	-14.396	-0.154	1.06%	6.15%
Max		-14.532	-14.371	-0.132	3.84%	23.07%
Average		-14.624	-14.422	-0.202	1.37%	8.07%
Min		-15.023	-14.478	-0.577	0.90%	5.27%
Std Dev		0.145	0.034	0.133	0.87%	5.31%

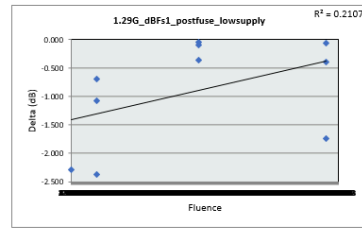


1.29G_Fund2_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	-13.64999962 dB			
Min Limit	-16.14999962 dB			
Fluence	0	1E+12	5E+12	1E+13
LL	-16.150	-16.150	-16.150	-16.150
Min	-14.371	-14.456	-14.413	-14.478
Average	-14.371	-14.444	-14.401	-14.438
Max	-14.371	-14.430	-14.390	-14.396
UL	-13.650	-13.650	-13.650	-13.650

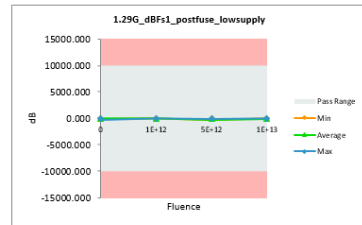


Radaition Site: VPT Rad  
NDD Report  
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		1.29G_dBFs1_postfuse_lowsup				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-92.049	-89.764	-2.284	2.48%	0.01%
1E+12	1	-90.804	-89.438	-2.366	2.61%	0.01%
1E+12	82	-91.539	-90.459	-1.080	1.18%	0.01%
1E+12	96	-91.057	-90.360	-0.697	0.77%	0.00%
5E+12	38	-88.656	-88.288	-0.368	0.41%	0.00%
5E+12	42	-91.450	-91.396	-0.054	0.06%	0.00%
5E+12	65	-91.353	-91.250	-0.103	0.11%	0.00%
1E+13	34	-91.308	-89.570	-1.737	1.90%	0.01%
1E+13	52	-90.234	-89.840	-0.394	0.44%	0.00%
1E+13	68	-89.592	-89.530	-0.062	0.07%	0.00%
	Max	-88.656	-88.288	-0.054	2.61%	0.01%
	Average	-90.804	-89.890	-0.915	1.00%	0.00%
	Min	-92.049	-91.396	-2.366	0.06%	0.00%
	Std Dev	1.029	1.032	0.909	0.99%	0.00%

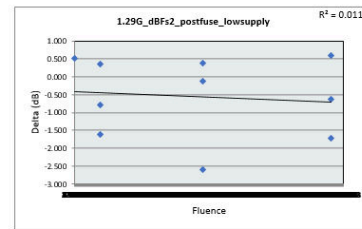


		1.29G_dBFs1_postfuse_lowsup		
Test Site	CLAB	CLAB		
Tester	ETS36402	ETS36402		
Test Number	EB726500	EB726500		
Unit	dB	dB		
Max Limit	10000	10000		
Min Limit	-10000	-10000		
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-89.764	-90.459	-91.396	-89.840
Average	-89.764	-89.752	-90.311	-89.647
Max	-89.764	-88.438	-88.288	-89.530
UL	10000.000	10000.000	10000.000	10000.000

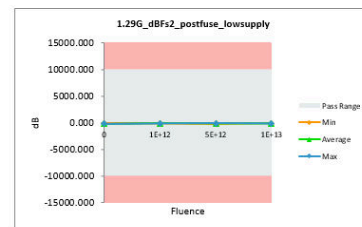


Radaition Site: VPT Rad  
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		1.29G_dBFs2_postfuse_lowsup				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-91.830	-92.333	0.503	-0.55%	0.00%
1E+12	1	-91.858	-90.236	-1.622	1.77%	0.01%
1E+12	82	-92.006	-91.230	-0.776	0.84%	0.00%
1E+12	96	-91.811	-92.178	0.368	-0.40%	0.00%
5E+12	38	-89.650	-89.534	-0.116	0.13%	0.00%
5E+12	42	-94.458	-91.863	-2.595	2.75%	0.01%
5E+12	65	-92.255	-92.648	0.393	-0.43%	0.00%
1E+13	34	-92.129	-91.495	-0.634	0.69%	0.00%
1E+13	52	-93.383	-91.655	-1.728	1.85%	0.01%
1E+13	68	-91.189	-91.773	0.585	-0.64%	0.00%
	Max	-89.650	-89.534	0.585	2.75%	0.01%
	Average	-92.057	-91.495	-0.562	0.60%	0.00%
	Min	-94.458	-92.648	-2.595	-0.64%	0.00%
	Std Dev	1.259	0.957	1.110	1.19%	0.00%

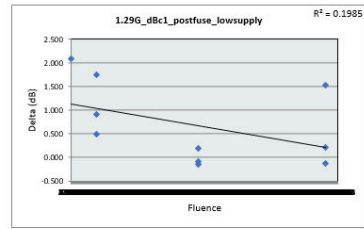


		1.29G_dBFs2_postfuse_lowsup		
Test Site	CLAB	CLAB		
Tester	ETS36402	ETS36402		
Test Number	EB726500	EB726500		
Unit	dB	dB		
Max Limit	10000	10000		
Min Limit	-10000	-10000		
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-92.333	-92.178	-92.648	-91.773
Average	-92.333	-91.215	-91.348	-91.641
Max	-92.333	-90.236	-89.534	-91.495
UL	10000.000	10000.000	10000.000	10000.000

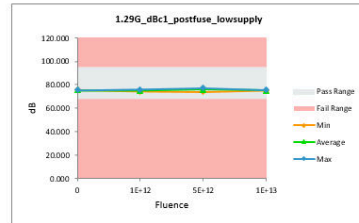


Radaition Site: VPT Rad  
NDD Report  
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		1.29G_dBc1_postfuse_lowsup				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	120	95				
Min Limit	71	68				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	77.538	75.445	2.094	2.70%	4.27%
1E+12	1	75.808	74.052	1.756	2.32%	3.58%
1E+12	82	76.975	76.062	0.913	1.19%	1.86%
1E+12	96	76.478	75.987	0.491	0.64%	1.00%
5E+12	38	74.150	73.955	0.195	0.26%	0.40%
5E+12	42	76.907	77.047	-0.140	-0.18%	0.29%
5E+12	65	76.810	76.887	-0.077	-0.10%	0.16%
1E+13	34	76.721	75.185	1.537	2.00%	3.14%
1E+13	52	75.623	75.416	0.207	0.27%	0.42%
1E+13	68	75.070	75.189	-0.119	-0.16%	0.24%
Max		77.538	77.047	2.094	2.70%	4.27%
Average		76.208	75.522	0.686	0.89%	1.54%
Min		74.150	73.955	-0.140	-0.18%	0.16%
Std Dev		1.032	1.030	0.838	1.09%	1.57%

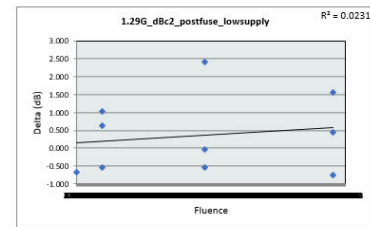


		1.29G_dBc1_postfuse_lowsup			
Test Site	CLAB	CLAB			
Tester	ETS36402	ETS36402			
Test Number	EB726500	EB726500			
Unit	dB	dB			
Max Limit	95	95			
Min Limit	68	68			
Fluence	0	1E+12	5E+12	1E+13	
LL	68.000	68.000	68.000	68.000	
Min	75.445	74.052	73.955	75.185	
Average	75.445	75.367	75.963	75.263	
Max	75.445	76.062	77.047	75.416	
UL	95.000	95.000	95.000	95.000	

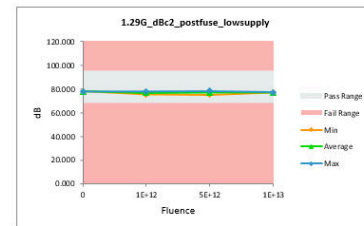


Radaition Site: VPT Rad  
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		1.29G_dBc2_postfuse_lowsup				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	120	95				
Min Limit	72	68.5				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	77.287	77.962	-0.675	-0.87%	1.41%
1E+12	1	76.835	75.790	1.045	1.36%	2.18%
1E+12	82	77.418	76.975	0.444	0.83%	1.34%
1E+12	96	77.205	77.748	-0.543	-0.70%	1.13%
5E+12	38	75.118	75.144	-0.026	-0.03%	0.05%
5E+12	42	79.884	77.464	2.420	3.03%	5.04%
5E+12	65	77.691	78.235	-0.544	-0.70%	1.13%
1E+13	34	77.512	77.054	0.459	0.59%	0.96%
1E+13	52	78.742	77.177	1.564	1.99%	3.26%
1E+13	68	76.539	77.377	-0.738	-0.96%	1.54%
Max		79.884	78.235	2.420	3.03%	5.04%
Average		77.433	77.072	0.361	0.45%	1.80%
Min		75.118	75.144	-0.738	-0.96%	0.05%
Std Dev		1.257	0.961	1.070	1.36%	1.41%

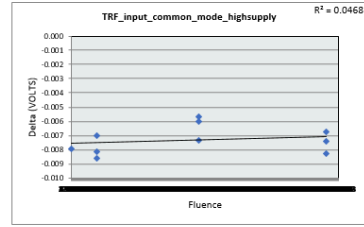


		1.29G_dBc2_postfuse_lowsup			
Test Site	CLAB	CLAB			
Tester	ETS36402	ETS36402			
Test Number	EB726500	EB726500			
Unit	dB	dB			
Max Limit	95	95			
Min Limit	68.5	68.5			
Fluence	0	1E+12	5E+12	1E+13	
LL	68.500	68.500	68.500	68.500	
Min	77.962	75.790	75.144	77.054	
Average	77.962	76.771	76.947	77.203	
Max	77.962	77.748	78.235	77.377	
UL	95.000	95.000	95.000	95.000	

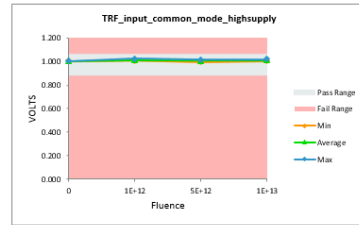


Radiation Site: VPT Rad  
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		TRF_input_common_mode_highsupply				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	0.996	1.004	-0.008	-0.80%	6.00%
1E+12	1	1.016	1.024	-0.008	-0.80%	6.19%
1E+12	82	1.000	1.007	-0.007	-0.70%	5.29%
1E+12	96	1.005	1.014	-0.009	-0.86%	6.52%
5E+12	38	1.008	1.016	-0.007	-0.73%	5.57%
5E+12	42	0.996	1.001	-0.006	-0.57%	4.31%
5E+12	65	1.006	1.012	-0.006	-0.60%	4.58%
1E+13	34	1.005	1.013	-0.008	-0.82%	6.26%
1E+13	52	1.000	1.007	-0.007	-0.74%	5.63%
1E+13	68	1.013	1.019	-0.007	-0.67%	5.13%
<b>Max</b>		1.016	1.024	-0.006	-0.57%	6.52%
<b>Average</b>		1.004	1.012	-0.007	-0.73%	5.55%
<b>Min</b>		0.996	1.001	-0.009	-0.86%	4.31%
<b>Std Dev</b>		0.007	0.007	0.001	0.09%	0.73%

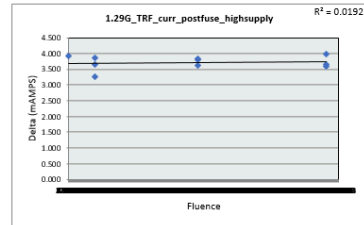


		TRF_input_common_mode_highsupply			
Fluence	0	1E+12	5E+12	1E+13	
<b>LL</b>	0.880	0.880	0.880	0.880	
<b>Min</b>	1.004	1.007	1.001	1.007	
<b>Average</b>	1.004	1.015	1.010	1.013	
<b>Max</b>	1.004	1.024	1.016	1.019	
<b>UL</b>	1.060	1.060	1.060	1.060	

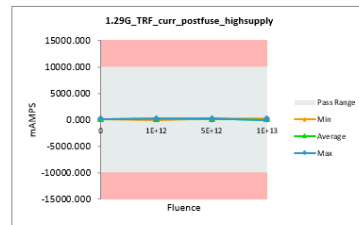


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		1.29G_TRF_curr_postfuse_highsupply				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	131.291	127.384	3.907	2.98%	0.02%
1E+12	1	127.543	123.907	3.636	2.85%	0.02%
1E+12	82	128.390	125.134	3.255	2.54%	0.02%
1E+12	96	130.319	126.450	3.869	2.97%	0.02%
5E+12	38	128.039	124.407	3.632	2.84%	0.02%
5E+12	42	130.536	126.718	3.818	2.92%	0.02%
5E+12	65	130.624	126.840	3.784	2.90%	0.02%
1E+13	34	128.981	124.995	3.986	3.09%	0.02%
1E+13	52	128.139	124.485	3.654	2.85%	0.02%
1E+13	68	129.554	125.954	3.599	2.78%	0.02%
<b>Max</b>		131.291	127.384	3.986	3.09%	0.02%
<b>Average</b>		129.342	125.628	3.714	2.87%	0.02%
<b>Min</b>		127.543	123.907	3.255	2.54%	0.02%
<b>Std Dev</b>		1.303	1.198	0.208	0.15%	0.00%

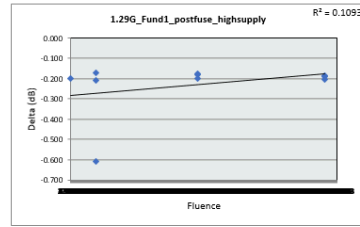


		1.29G_TRF_curr_postfuse_highsupply			
Fluence	0	1E+12	5E+12	1E+13	
<b>LL</b>	-10000.000	-10000.000	-10000.000	-10000.000	
<b>Min</b>	127.384	123.907	124.407	124.485	
<b>Average</b>	127.384	125.164	125.988	125.145	
<b>Max</b>	127.384	126.450	126.840	125.954	
<b>UL</b>	10000.000	10000.000	10000.000	10000.000	

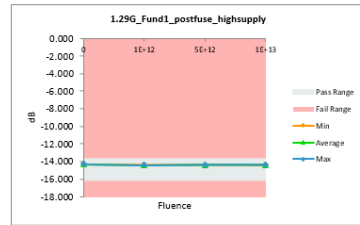


Radiation Site: VPT Rad  
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1.29G_Fund1_postfuse_highs						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.35000038		-13.64999962			
Min Limit	-15.85000038		-16.14999962			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.525	-14.325	-0.201	1.38%	8.03%
1E+12	1	-15.010	-14.400	-0.610	4.07%	24.41%
1E+12	82	-14.579	-14.409	-0.170	1.17%	6.80%
1E+12	96	-14.595	-14.386	-0.209	1.44%	8.38%
5E+12	38	-14.523	-14.346	-0.177	1.22%	7.10%
5E+12	42	-14.557	-14.358	-0.199	1.37%	7.95%
5E+12	65	-14.557	-14.376	-0.181	1.25%	7.25%
1E+13	34	-14.599	-14.397	-0.203	1.39%	8.11%
1E+13	52	-14.625	-14.433	-0.191	1.31%	7.66%
1E+13	68	-14.536	-14.352	-0.184	1.27%	7.36%
Max		-14.523	-14.325	-0.170	4.07%	24.41%
Average		-14.611	-14.378	-0.233	1.58%	9.30%
Min		-15.010	-14.433	-0.610	1.17%	6.80%
Std Dev		0.144	0.033	0.133	0.68%	5.33%

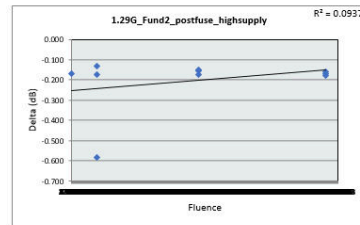


1.29G_Fund1_postfuse_high				
Test Site	CLAB		CLAB	
Tester	ETS36402		ETS36402	
Test Number	EB726500		EB726500	
Unit	dB		dB	
Max Limit	-13.64999962		-13.64999962	
Min Limit	-16.14999962		-16.14999962	
Fluence	0	1E+12	5E+12	1E+13
LL	-16.150	-16.150	-16.150	-16.150
Min	-14.325	-14.409	-14.376	-14.433
Average	-14.325	-14.398	-14.360	-14.394
Max	-14.325	-14.386	-14.346	-14.352
UL	-13.650	-13.650	-13.650	-13.650

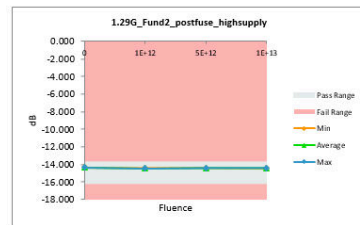


Radiation Site: VPT Rad  
NDD Report  
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1.29G_Fund2_postfuse_highs						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.35000038		-13.64999962			
Min Limit	-15.85000038		-16.14999962			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.554	-14.384	-0.171	1.17%	6.83%
1E+12	1	-15.040	-14.437	-0.582	3.87%	23.29%
1E+12	82	-14.601	-14.467	-0.134	0.92%	5.35%
1E+12	96	-14.618	-14.444	-0.174	1.19%	6.95%
5E+12	38	-14.547	-14.399	-0.148	1.02%	5.92%
5E+12	42	-14.585	-14.413	-0.172	1.18%	6.89%
5E+12	65	-14.580	-14.425	-0.154	1.06%	6.17%
1E+13	34	-14.631	-14.454	-0.177	1.21%	7.07%
1E+13	52	-14.658	-14.490	-0.168	1.15%	6.72%
1E+13	68	-14.565	-14.407	-0.158	1.09%	6.32%
Max		-14.547	-14.384	-0.134	3.87%	23.29%
Average		-14.638	-14.434	-0.204	1.38%	8.15%
Min		-15.040	-14.490	-0.582	0.92%	5.35%
Std Dev		0.145	0.034	0.134	0.88%	5.35%



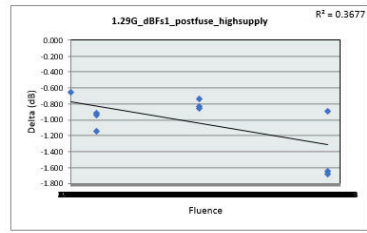
1.29G_Fund2_postfuse_high				
Test Site	CLAB		CLAB	
Tester	ETS36402		ETS36402	
Test Number	EB726500		EB726500	
Unit	dB		dB	
Max Limit	-13.64999962		-13.64999962	
Min Limit	-16.14999962		-16.14999962	
Fluence	0	1E+12	5E+12	1E+13
LL	-16.150	-16.150	-16.150	-16.150
Min	-14.384	-14.467	-14.425	-14.490
Average	-14.384	-14.456	-14.412	-14.450
Max	-14.384	-14.444	-14.399	-14.407
UL	-13.650	-13.650	-13.650	-13.650



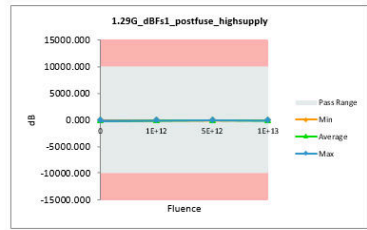


Radaition Site: VPT Rad  
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		1.29G_dBFs1_postfuse_highs				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-93.752	-93.102	-0.650	0.69%	0.00%
1E+12	1	-90.874	-89.729	-1.145	1.26%	0.01%
1E+12	82	-93.634	-92.717	-0.917	0.98%	0.00%
1E+12	96	-93.413	-92.469	-0.944	1.01%	0.00%
5E+12	38	-90.324	-89.587	-0.738	0.82%	0.00%
5E+12	42	-93.855	-92.995	-0.861	0.92%	0.00%
5E+12	65	-92.456	-91.629	-0.827	0.89%	0.00%
1E+13	34	-92.744	-91.846	-0.897	0.97%	0.00%
1E+13	52	-93.142	-91.461	-1.681	1.81%	0.01%
1E+13	68	-92.564	-90.913	-1.650	1.78%	0.01%
Max		-90.324	-89.587	-0.650	1.81%	0.01%
Average		-92.676	-91.645	-1.031	1.11%	0.01%
Min		-93.855	-93.102	-1.681	0.69%	0.00%
Std Dev		1.205	1.260	0.359	0.39%	0.00%

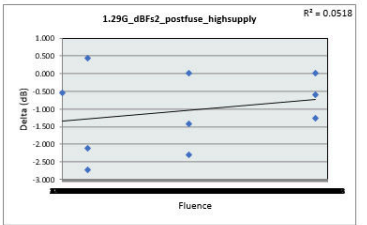


		1.29G_dBFs1_postfuse_high			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	10000				
Min Limit	-10000				
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	-93.102	-92.717	-92.995	-91.846	
Average	-93.102	-91.638	-91.404	-91.407	
Max	-93.102	-89.729	-89.587	-90.913	
UL	10000.000	10000.000	10000.000	10000.000	

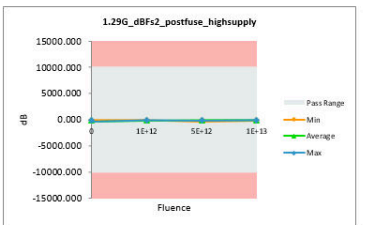


Radaition Site: VPT Rad  
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		1.29G_dBFs2_postfuse_highs				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-94.937	-94.393	-0.545	0.57%	0.00%
1E+12	1	-93.281	-91.169	-2.112	2.26%	0.01%
1E+12	82	-96.537	-93.819	-2.717	2.81%	0.01%
1E+12	96	-94.226	-94.658	0.432	-0.46%	0.00%
5E+12	38	-92.815	-90.529	-2.286	2.46%	0.01%
5E+12	42	-96.652	-96.671	0.019	-0.02%	0.00%
5E+12	65	-95.258	-93.839	-1.419	1.49%	0.01%
1E+13	34	-94.643	-93.391	-1.262	1.33%	0.01%
1E+13	52	-94.451	-93.857	-0.594	0.63%	0.00%
1E+13	68	-92.844	-92.852	0.008	-0.01%	0.00%
Max		-92.815	-90.529	0.432	2.81%	0.01%
Average		-94.564	-93.517	-1.048	1.11%	0.01%
Min		-96.652	-96.671	-2.717	-0.46%	0.00%
Std Dev		1.361	1.739	1.082	1.14%	0.00%



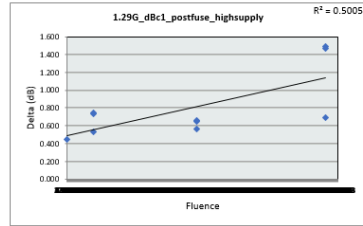
		1.29G_dBFs2_postfuse_high			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	10000				
Min Limit	-10000				
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	-94.393	-94.658	-96.671	-93.857	
Average	-94.393	-93.215	-93.680	-93.363	
Max	-94.393	-91.169	-90.529	-92.852	
UL	10000.000	10000.000	10000.000	10000.000	



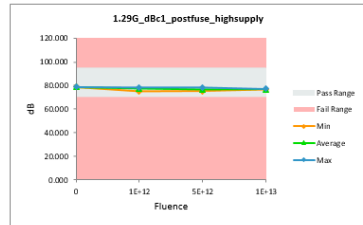


Radiation Site: VPT Rad  
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1.29G_dBc1_postfuse_highsupply						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	78.227	78.777	0.450	0.57%	0.96%
1E+12	1	75.864	75.329	0.535	0.70%	1.14%
1E+12	82	79.055	78.308	0.747	0.94%	1.59%
1E+12	96	78.818	78.083	0.735	0.93%	1.56%
5E+12	38	75.801	75.241	0.560	0.74%	1.19%
5E+12	42	79.299	78.637	0.662	0.83%	1.41%
5E+12	65	77.899	77.253	0.646	0.83%	1.37%
1E+13	34	78.144	77.449	0.695	0.89%	1.48%
1E+13	52	78.517	77.027	1.490	1.90%	3.17%
1E+13	68	78.028	76.561	1.467	1.88%	3.12%
	Max	79.299	78.777	1.490	1.90%	3.17%
	Average	78.065	77.267	0.799	1.02%	1.70%
	Min	75.801	75.241	0.450	0.57%	0.96%
	Std Dev	1.275	1.263	0.370	0.47%	0.79%

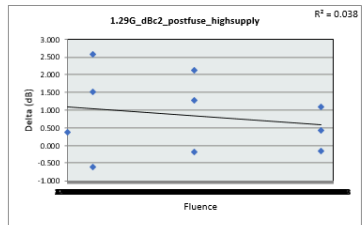


1.29G_dBc1_postfuse_highs				
Fluence	LL	1E+12	5E+12	1E+13
LL	70.000	70.000	70.000	70.000
Min	78.777	75.329	75.241	76.561
Average	78.777	77.240	77.044	77.013
Max	78.777	78.308	78.637	77.449
UL	95.000	95.000	95.000	95.000

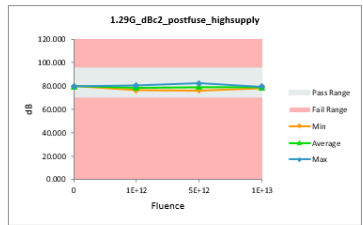


Radiation Site: VPT Rad  
NDD Report  
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1.29G_dBc2_postfuse_highsupply						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	80.383	80.009	0.374	0.46%	0.80%
1E+12	1	78.242	76.712	1.530	1.96%	3.29%
1E+12	82	81.936	79.352	2.583	3.15%	5.56%
1E+12	96	79.608	80.214	-0.605	-0.76%	1.30%
5E+12	38	78.268	76.131	2.138	2.73%	4.60%
5E+12	42	82.067	82.258	-0.192	-0.23%	0.41%
5E+12	65	80.678	79.413	1.265	1.57%	2.72%
1E+13	34	80.012	78.927	1.085	1.36%	2.33%
1E+13	52	79.794	79.368	0.426	0.53%	0.92%
1E+13	68	78.279	78.445	-0.166	-0.21%	0.36%
	Max	82.067	82.258	2.583	3.15%	5.56%
	Average	79.927	79.003	0.944	1.06%	2.23%
	Min	78.242	76.131	-0.605	-0.76%	0.36%
	Std Dev	1.407	1.740	1.054	1.31%	1.81%

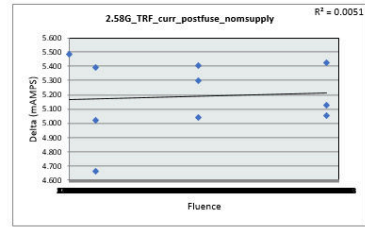


1.29G_dBc2_postfuse_highs				
Fluence	LL	1E+12	5E+12	1E+13
LL	70.000	70.000	70.000	70.000
Min	80.009	76.712	76.131	78.445
Average	80.009	78.759	79.267	78.913
Max	80.009	80.214	82.258	79.368
UL	95.000	95.000	95.000	95.000

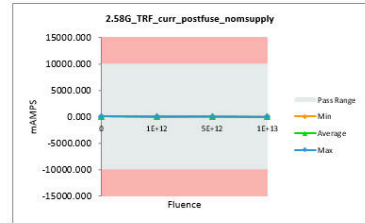


Radation Site: VPT Rad  
 NDD Report  
 TRF0206-SP

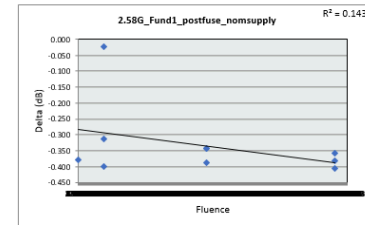
		2.58G_TRF_curr_postfuse_nom				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	mAMPS	mAMPS				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	129.517	124.032	5.485	4.23%	0.03%
1E+12	1	129.901	120.781	9.120	3.99%	0.03%
1E+12	82	126.563	121.901	4.663	3.68%	0.02%
1E+12	96	128.542	123.150	5.392	4.19%	0.03%
5E+12	38	126.214	121.171	5.042	4.00%	0.03%
5E+12	42	128.712	123.413	5.298	4.12%	0.03%
5E+12	65	128.835	123.432	5.403	4.19%	0.03%
1E+13	34	127.170	121.746	5.424	4.27%	0.03%
1E+13	52	126.394	121.267	5.127	4.06%	0.03%
1E+13	68	127.724	122.674	5.050	3.95%	0.03%
	<b>Max</b>	129.517	124.032	5.485	4.27%	0.03%
	<b>Average</b>	127.547	122.357	5.190	4.07%	0.03%
	<b>Min</b>	125.801	120.781	4.663	3.68%	0.02%
	<b>Std Dev</b>	1.299	1.129	0.256	0.17%	0.00%



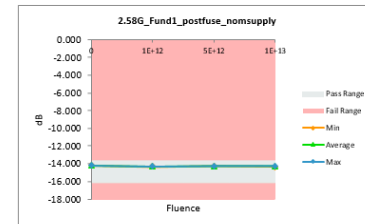
		2.58G_TRF_curr_postfuse_n			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	10000	mAMPS			
Min Limit	-10000	mAMPS			
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	124.032	120.781	121.171	121.267	
Average	124.032	121.944	122.672	121.896	
Max	124.032	123.150	123.432	122.674	
UL	10000.000	10000.000	10000.000	10000.000	


 Radation Site: VPT Rad  
 NDD Report  
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		2.58G_Fund1_postfuse_noms				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	-13.39000034	-13.60000038				
Min Limit	-15.89000034	-16.10000038				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.576	-14.198	-0.378	2.60%	15.14%
1E+12	1	-14.339	-14.316	-0.024	0.16%	0.94%
1E+12	82	-14.614	-14.301	-0.314	2.15%	12.55%
1E+12	96	-14.674	-14.273	-0.400	2.73%	16.01%
5E+12	38	-14.582	-14.240	-0.342	2.35%	13.69%
5E+12	42	-14.634	-14.245	-0.389	2.66%	15.54%
5E+12	65	-14.603	-14.260	-0.344	2.35%	13.74%
1E+13	34	-14.682	-14.276	-0.406	2.76%	16.23%
1E+13	52	-14.710	-14.329	-0.382	2.59%	15.26%
1E+13	68	-14.603	-14.244	-0.359	2.46%	14.36%
	<b>Max</b>	-14.339	-14.198	-0.024	2.76%	16.23%
	<b>Average</b>	-14.502	-14.268	-0.334	2.28%	13.35%
	<b>Min</b>	-14.710	-14.329	-0.406	0.16%	0.94%
	<b>Std Dev</b>	0.102	0.039	0.113	0.77%	4.51%

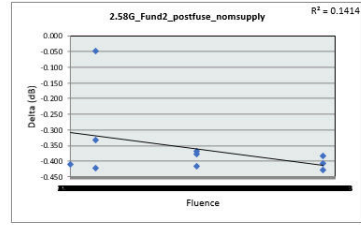


		2.58G_Fund1_postfuse_nom			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	-13.60000038	dB			
Min Limit	-16.10000038	dB			
Fluence	0	1E+12	5E+12	1E+13	
LL	-16.100	-16.100	-16.100	-16.100	
Min	-14.198	-14.316	-14.260	-14.329	
Average	-14.198	-14.297	-14.243	-14.283	
Max	-14.198	-14.273	-14.240	-14.244	
UL	-13.600	-13.600	-13.600	-13.600	

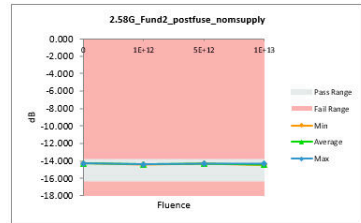


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_Fund2_postfuse_noms				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	-13.52999973	-13.75				
Min Limit	-16.03000069	-16.25				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.693	-14.284	-0.409	2.78%	16.34%
1E+12	1	-14.454	-14.406	-0.047	0.33%	1.89%
1E+12	82	-14.728	-14.395	-0.333	2.26%	13.34%
1E+12	96	-14.789	-14.368	-0.422	2.85%	16.88%
5E+12	38	-14.703	-14.336	-0.367	2.49%	14.67%
5E+12	42	-14.752	-14.335	-0.417	2.83%	16.68%
5E+12	65	-14.726	-14.350	-0.376	2.55%	15.03%
1E+13	34	-14.801	-14.375	-0.426	2.88%	17.05%
1E+13	52	-14.832	-14.424	-0.408	2.75%	16.32%
1E+13	68	-14.727	-14.343	-0.383	2.60%	15.34%
Max		-14.454	-14.284	-0.047	2.88%	17.05%
Average		-14.720	-14.362	-0.359	2.43%	14.35%
Min		-14.832	-14.424	-0.426	0.33%	1.89%
Std Dev		0.104	0.041	0.113	0.76%	4.53%

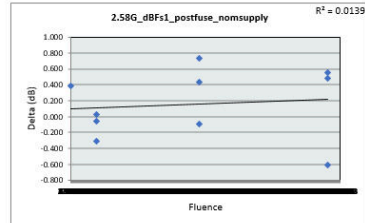


		2.58G_Fund2_postfuse_nom				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	-13.75	-13.75				
Min Limit	-16.25	-16.25				
Fluence	0	1E+12	5E+12	1E+13	LL	UL
LL	-16.250	-16.250	-16.250	-16.250	-16.250	-16.250
Min	-14.284	-14.406	-14.350	-14.424	-14.424	-14.424
Average	-14.284	-14.390	-14.340	-14.381	-14.381	-14.381
Max	-14.284	-14.368	-14.335	-14.343	-14.343	-14.343
UL	-13.750	-13.750	-13.750	-13.750	-13.750	-13.750

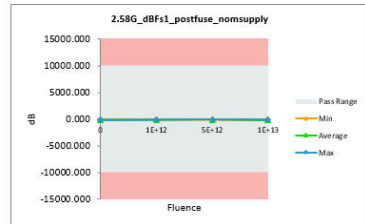


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_dBFs1_postfuse_noms				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-87.989	-88.377	0.388	-0.44%	0.00%
1E+12	1	-87.305	-87.333	0.028	-0.03%	0.00%
1E+12	82	-90.264	-89.953	-0.311	0.34%	0.00%
1E+12	96	-88.736	-88.680	-0.055	0.06%	0.00%
5E+12	38	-85.941	-85.844	-0.097	0.11%	0.00%
5E+12	42	-88.240	-88.973	0.734	-0.83%	0.00%
5E+12	65	-87.126	-87.559	0.433	-0.50%	0.00%
1E+13	34	-90.184	-90.663	0.479	-0.53%	0.00%
1E+13	52	-89.883	-90.431	0.549	-0.61%	0.00%
1E+13	68	-87.144	-86.539	-0.605	0.69%	0.00%
Max		-85.941	-85.844	0.734	0.69%	0.00%
Average		-88.281	-88.435	0.154	-0.17%	0.00%
Min		-90.264	-90.663	-0.605	-0.83%	0.00%
Std Dev		1.471	1.630	0.428	0.48%	0.00%

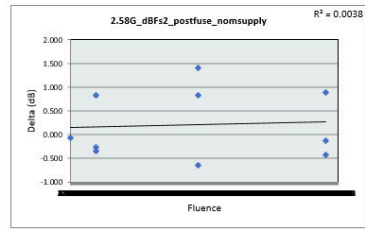


		2.58G_dBFs1_postfuse_nom				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	0	1E+12	5E+12	1E+13	LL	UL
LL	-10000.000	-10000.000	-10000.000	-10000.000	-10000.000	-10000.000
Min	-88.377	-89.953	-88.973	-90.663	-90.663	-90.663
Average	-88.377	-88.656	-87.459	-89.211	-89.211	-89.211
Max	-88.377	-87.333	-85.844	-86.539	-86.539	-86.539
UL	10000.000	10000.000	10000.000	10000.000	10000.000	10000.000

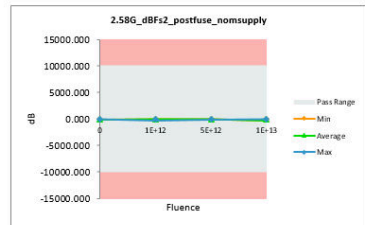


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_dBFs2_postfuse_nomsu				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-86.945	-86.881	-0.065	0.07%	0.00%
1E+12	1	-87.485	-87.223	-0.261	0.30%	0.00%
1E+12	82	-88.643	-88.289	-0.353	0.40%	0.00%
1E+12	96	-87.517	-88.336	0.819	-0.94%	0.00%
5E+12	38	-85.986	-85.346	-0.640	0.74%	0.00%
5E+12	42	-87.408	-88.817	1.409	-1.61%	0.01%
5E+12	65	-86.232	-87.094	0.822	-0.95%	0.00%
1E+13	34	-89.173	-90.068	0.895	-1.00%	0.00%
1E+13	52	-89.014	-88.888	-0.126	0.14%	0.00%
1E+13	68	-86.911	-86.477	-0.434	0.50%	0.00%
	Max	-85.986	-85.346	1.409	0.74%	0.01%
	Average	-87.531	-87.738	0.207	-0.23%	0.00%
	Min	-89.173	-90.068	-0.640	-1.61%	0.00%
	Std Dev	1.103	1.389	0.708	0.81%	0.00%

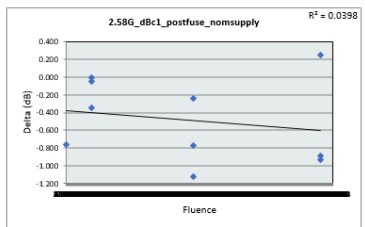


		2.58G_dBFs2_postfuse_nom			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	10000	dB			
Min Limit	-10000	dB			
Fluence	0	1E+12	5E+12	1E+13	
LL	-10000.000	-10000.000	-10000.000	-10000.000	
Min	-86.881	-88.336	-88.817	-90.068	
Average	-86.881	-87.950	-87.072	-88.478	
Max	-86.881	-87.223	-85.346	-86.477	
UL	10000.000	10000.000	10000.000	10000.000	

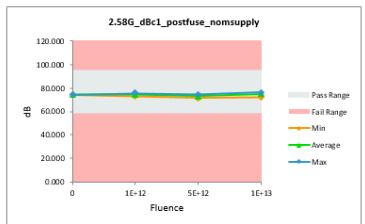


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_dBc1_postfuse_nomsu				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	95	95				
Min Limit	58	58				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	73.413	74.179	-0.766	-1.04%	2.55%
1E+12	1	72.966	73.017	-0.051	-0.07%	0.17%
1E+12	82	75.650	75.653	-0.003	0.00%	0.01%
1E+12	96	74.062	74.407	-0.345	-0.47%	1.15%
5E+12	38	71.359	71.604	-0.245	-0.34%	0.82%
5E+12	42	73.606	74.728	-1.122	-1.52%	3.74%
5E+12	65	72.523	73.299	-0.776	-1.07%	2.59%
1E+13	34	75.502	76.387	-0.885	-1.17%	2.95%
1E+13	52	75.173	76.103	-0.930	-1.24%	3.10%
1E+13	68	72.541	72.295	0.246	0.34%	0.82%
	Max	75.650	76.387	0.246	0.34%	3.74%
	Average	73.679	74.167	-0.488	-0.66%	1.79%
	Min	71.359	71.604	-1.122	-1.52%	0.01%
	Std Dev	1.421	1.613	0.467	0.63%	1.34%

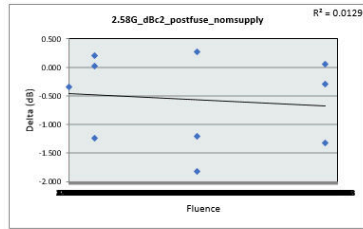


		2.58G_dBc1_postfuse_noms			
Test Site	CLAB				
Tester	ETS36402				
Test Number	EB726500				
Max Limit	95	dB			
Min Limit	58	dB			
Fluence	0	1E+12	5E+12	1E+13	
LL	58.000	58.000	58.000	58.000	
Min	74.179	73.017	71.604	72.295	
Average	74.179	74.359	73.210	74.928	
Max	74.179	75.653	74.728	76.387	
UL	95.000	95.000	95.000	95.000	

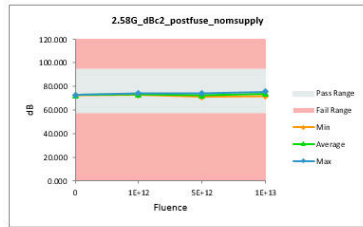


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

2.58G_dBc2_postfuse_nomsup						
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	95	95				
Min Limit	64	57.5				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	72.252	72.596	-0.344	-0.48%	1.11%
1E+12	1	73.031	72.817	0.214	0.29%	0.69%
1E+12	82	73.914	73.895	0.020	0.03%	0.06%
1E+12	96	72.728	73.968	-1.241	-1.71%	4.00%
5E+12	38	71.284	71.010	0.274	0.38%	0.88%
5E+12	42	72.656	74.482	-1.826	-2.51%	5.89%
5E+12	65	71.506	72.704	-1.198	-1.68%	3.86%
1E+13	34	74.372	75.693	-1.321	-1.78%	4.26%
1E+13	52	74.182	74.464	-0.282	-0.38%	0.91%
1E+13	68	72.184	72.133	0.051	0.07%	0.16%
1E+13	68	74.372	75.693	0.274	0.38%	5.89%
Average		72.811	73.376	-0.565	-0.78%	2.18%
Min		71.284	71.010	-1.826	-2.51%	0.06%
Std Dev		1.073	1.371	0.759	1.04%	2.09%

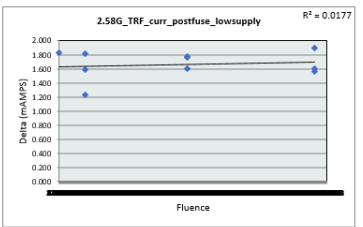


2.58G_dBc2_postfuse_noms				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	95	dB		
Min Limit	57.5	dB		
Fluence	0	1E+12	5E+12	1E+13
LL	57.500	57.500	57.500	57.500
Min	72.596	72.817	71.010	72.133
Average	72.596	73.560	72.732	74.097
Max	72.596	73.968	74.482	75.693
UL	95.000	95.000	95.000	95.000

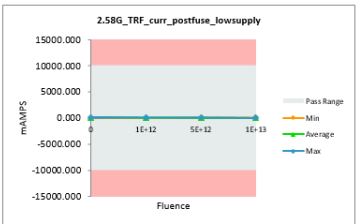


Radiation Site: VPT Rad  
NDD Report  
TRF0206-SP

2.58G_TRF_curr_postfuse_low						
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	mAMPS	mAMPS				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	127.590	125.764	1.826	1.43%	0.01%
1E+12	1	124.049	122.463	1.586	1.28%	0.01%
1E+12	82	124.810	123.895	1.225	0.98%	0.01%
1E+12	96	126.701	124.885	1.816	1.43%	0.01%
5E+12	38	124.467	122.870	1.597	1.28%	0.01%
5E+12	42	126.844	125.079	1.765	1.39%	0.01%
5E+12	65	126.992	125.216	1.776	1.40%	0.01%
1E+13	34	125.378	123.478	1.900	1.52%	0.01%
1E+13	52	124.554	122.959	1.595	1.28%	0.01%
1E+13	68	125.914	124.357	1.557	1.24%	0.01%
Max		127.590	125.764	1.900	1.52%	0.01%
Average		125.730	124.066	1.664	1.32%	0.01%
Min		124.049	122.463	1.225	0.98%	0.01%
Std Dev		1.249	1.144	0.197	0.15%	0.00%

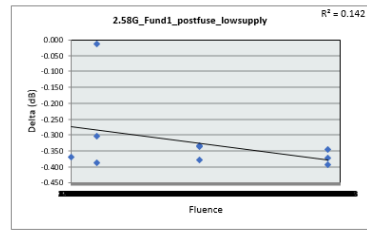


2.58G_TRF_curr_postfuse_low				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Max Limit	10000	mAMPS		
Min Limit	-10000	mAMPS		
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	125.764	122.463	122.870	122.959
Average	125.764	123.644	123.388	123.598
Max	125.764	124.885	125.216	124.357
UL	10000.000	10000.000	10000.000	10000.000

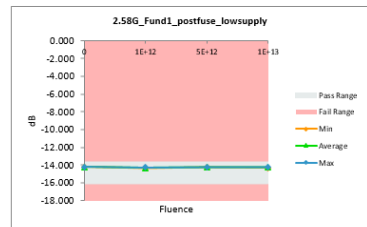


Radaition Site: VPT Rad  
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2.58G_Fund1_postfuse_lowsu						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.39000034		-13.60000038			
Min Limit	-15.89000034		-16.10000038			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.573	-14.205	-0.368	2.53%	14.73%
1E+12	1	-14.334	-14.322	-0.012	0.08%	0.48%
1E+12	82	-14.613	-14.310	-0.303	2.07%	12.11%
1E+12	96	-14.673	-14.284	-0.388	2.65%	15.53%
5E+12	38	-14.580	-14.247	-0.332	2.28%	13.28%
5E+12	42	-14.629	-14.250	-0.379	2.59%	15.15%
5E+12	65	-14.601	-14.265	-0.336	2.30%	13.44%
1E+13	34	-14.677	-14.285	-0.392	2.67%	15.68%
1E+13	52	-14.709	-14.336	-0.373	2.54%	14.93%
1E+13	68	-14.597	-14.251	-0.346	2.37%	13.85%
Max		-14.334	-14.205	-0.012	2.67%	15.68%
Average		-14.599	-14.276	-0.323	2.21%	12.92%
Min		-14.709	-14.336	-0.392	0.08%	0.48%
Std Dev		0.103	0.040	0.113	0.77%	4.51%

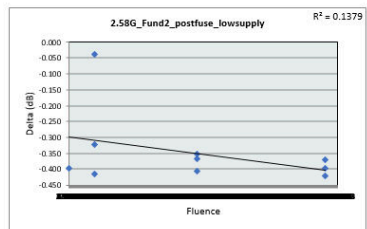


2.58G_Fund1_postfuse_lowsu				
Test Site	CLAB		CLAB	
Tester	ETS36402		ETS36402	
Test Number	EB726500		EB726500	
Unit	dB		dB	
Max Limit	-13.60000038		-13.60000038	
Min Limit	-15.10000038		-15.10000038	
Fluence	0	1E+12	5E+12	1E+13
LL	-16.100	-16.100	-16.100	-16.100
Min	-14.205	-14.322	-14.265	-14.336
Average	-14.205	-14.305	-14.254	-14.291
Max	-14.205	-14.284	-14.247	-14.251
UL	-13.600	-13.600	-13.600	-13.600

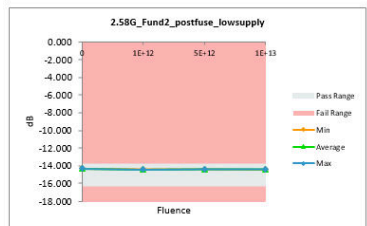


Radaition Site: VPT Rad  
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2.58G_Fund2_postfuse_lowsu						
Test Site	CLAB		CLAB			
Tester	ETS36402		ETS36402			
Test Number	EB726500		EB726500			
Unit	dB		dB			
Max Limit	-13.52999973		-13.75			
Min Limit	-16.03000069		-16.25			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.688	-14.290	-0.398	2.71%	15.93%
1E+12	1	-14.451	-14.414	-0.037	0.26%	1.48%
1E+12	82	-14.724	-14.402	-0.322	2.19%	12.89%
1E+12	96	-14.791	-14.375	-0.416	2.81%	16.64%
5E+12	38	-14.698	-14.345	-0.354	2.41%	14.14%
5E+12	42	-14.750	-14.345	-0.405	2.75%	16.22%
5E+12	65	-14.724	-14.356	-0.368	2.50%	14.70%
1E+13	34	-14.800	-14.380	-0.421	2.84%	16.82%
1E+13	52	-14.830	-14.433	-0.397	2.67%	15.86%
1E+13	68	-14.724	-14.354	-0.370	2.51%	14.78%
Max		-14.451	-14.290	-0.037	2.84%	16.82%
Average		-14.718	-14.369	-0.349	2.36%	13.95%
Min		-14.830	-14.433	-0.421	0.26%	1.48%
Std Dev		0.104	0.041	0.114	0.77%	4.55%

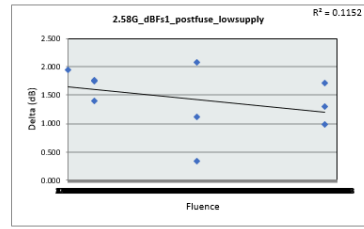


2.58G_Fund2_postfuse_lowsu				
Test Site	CLAB		CLAB	
Tester	ETS36402		ETS36402	
Test Number	EB726500		EB726500	
Unit	dB		dB	
Max Limit	-13.75		-13.75	
Min Limit	-16.25		-16.25	
Fluence	0	1E+12	5E+12	1E+13
LL	-16.250	-16.250	-16.250	-16.250
Min	-14.290	-14.414	-14.356	-14.433
Average	-14.290	-14.397	-14.349	-14.389
Max	-14.290	-14.375	-14.345	-14.354
UL	-13.750	-13.750	-13.750	-13.750

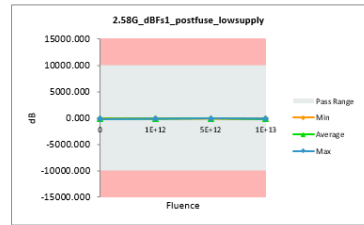


Radaition Site: VPT Rad  
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2.58G_dBFs1_postfuse_lowsu							
Test Site	CLAB		CLAB				
Tester	ETS36402		ETS36402				
Test Number	EB726500		EB726500				
Unit	dB		dB				
Max Limit	10000		10000				
Min Limit	-10000		-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range	
0	24	-86.970	-88.911	1.941	-2.23%	0.01%	
1E+12	1	-86.544	-88.302	1.758	-2.03%	0.01%	
1E+12	82	-88.578	-90.326	1.749	-1.97%	0.01%	
1E+12	96	-87.715	-89.118	1.403	-1.60%	0.01%	
5E+12	38	-85.702	-86.035	0.333	-0.39%	0.00%	
5E+12	42	-87.600	-89.683	2.084	-2.38%	0.01%	
5E+12	65	-86.882	-87.794	1.111	-1.28%	0.01%	
1E+13	34	-89.489	-91.196	1.707	-1.91%	0.01%	
1E+13	52	-89.510	-90.487	0.977	-1.09%	0.00%	
1E+13	68	-86.515	-87.822	1.306	-1.51%	0.01%	
Max		-85.702	-86.035	2.084	-0.39%	0.01%	
Average		-87.530	-88.967	1.437	-1.64%	0.01%	
Min		-89.510	-91.196	0.333	-2.38%	0.00%	
Std Dev		1.303	1.542	0.527	0.60%	0.00%	

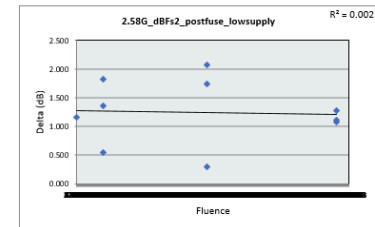


2.58G_dBFs1_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	10000			
Min Limit	-10000			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-88.911	-90.326	-89.683	-91.196
Average	-88.911	-89.249	-87.637	-89.835
Max	-88.911	-88.302	-86.035	-87.822
UL	10000.000	10000.000	10000.000	10000.000

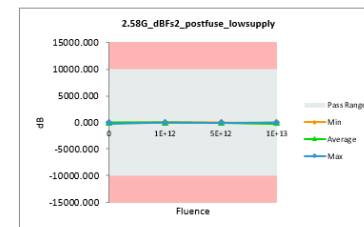


Radaition Site: VPT Rad  
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2.58G_dBFs2_postfuse_lowsu							
Test Site	CLAB		CLAB				
Tester	ETS36402		ETS36402				
Test Number	EB726500		EB726500				
Unit	dB		dB				
Max Limit	10000		10000				
Min Limit	-10000		-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range	
0	24	-86.438	-87.592	1.155	-1.34%	0.01%	
1E+12	1	-86.449	-86.996	0.548	-0.63%	0.00%	
1E+12	82	-87.995	-89.818	1.823	-2.07%	0.01%	
1E+12	96	-86.906	-88.261	1.356	-1.56%	0.01%	
5E+12	38	-85.156	-85.460	0.304	-0.36%	0.00%	
5E+12	42	-86.689	-88.760	2.071	-2.39%	0.01%	
5E+12	65	-85.923	-87.661	1.738	-2.02%	0.01%	
1E+13	34	-88.900	-90.177	1.277	-1.44%	0.01%	
1E+13	52	-89.018	-90.128	1.110	-1.25%	0.01%	
1E+13	68	-85.916	-86.986	1.071	-1.25%	0.01%	
Max		-85.156	-85.460	2.071	-0.36%	0.01%	
Average		-86.939	-88.184	1.245	-1.43%	0.01%	
Min		-89.018	-90.177	0.304	-2.39%	0.00%	
Std Dev		1.295	1.551	0.548	0.63%	0.00%	



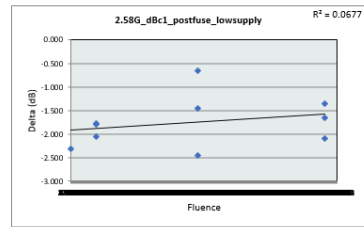
2.58G_dBFs2_postfuse_lowsu				
Test Site	CLAB			
Tester	ETS36402			
Test Number	EB726500			
Unit	dB			
Max Limit	10000			
Min Limit	-10000			
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-87.592	-89.818	-88.760	-90.177
Average	-87.592	-88.358	-87.294	-89.097
Max	-87.592	-86.996	-85.460	-86.986
UL	10000.000	10000.000	10000.000	10000.000



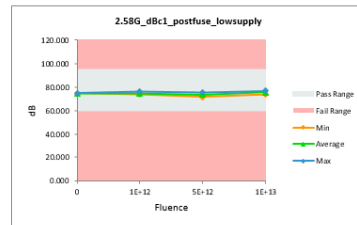


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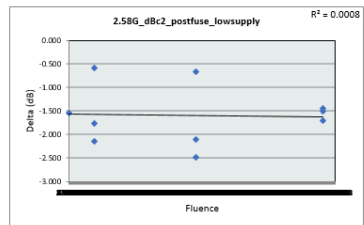
		2.58G_dBc1_postfuse_lowsup				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		dB	dB			
Max Limit		95	95			
Min Limit		64.30000305	59			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	72.397	74.706	-2.309	-3.19%	7.52%
1E+12	1	72.210	73.980	-1.770	-2.45%	5.77%
1E+12	82	73.865	76.017	-2.052	-2.77%	6.68%
1E+12	96	73.042	74.833	-1.791	-2.45%	5.83%
5E+12	38	71.122	71.787	-0.665	-0.94%	2.17%
5E+12	42	72.971	75.433	-2.463	-3.37%	8.02%
5E+12	65	72.081	73.529	-1.447	-2.01%	4.71%
1E+13	34	74.812	76.911	-2.099	-2.81%	6.84%
1E+13	52	74.800	76.151	-1.351	-1.81%	4.40%
1E+13	68	71.918	73.570	-1.652	-2.30%	5.38%
Max		74.812	76.911	-0.665	-0.94%	8.02%
Average		72.932	74.692	-1.760	-2.41%	5.73%
Min		71.122	71.787	-2.463	-3.37%	2.17%
Std Dev		1.245	1.525	0.524	0.71%	1.71%



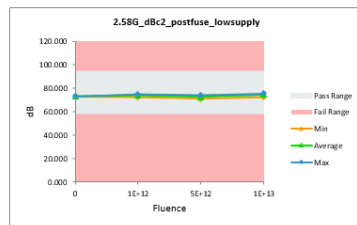
		2.58G_dBc1_postfuse_lowsup					
Test Site		CLAB	CLAB				
Tester		ETS36402	ETS36402				
Test Number		EB726500	EB726500				
Unit		dB	dB				
Max Limit		95	95				
Min Limit		59	59				
Fluence	LL	Min	Average	Max	UL		
0	59.000	74.706	74.706	74.706	95.000		
1E+12	59.000	73.980	73.980	73.980	95.000		
5E+12	59.000	71.787	71.787	71.787	95.000		
1E+13	59.000	73.570	73.570	73.570	95.000		


 Radaiton Site: VPT Rad  
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		2.58G_dBc2_postfuse_lowsup				
Test Site		CLAB	CLAB			
Tester		ETS36402	ETS36402			
Test Number		EB726500	EB726500			
Unit		dB	dB			
Max Limit		95	95			
Min Limit		64.40000153	58.5			
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	71.749	73.302	-1.553	-2.16%	5.07%
1E+12	1	71.997	72.582	-0.585	-0.81%	1.91%
1E+12	82	73.271	75.416	-2.145	-2.93%	7.01%
1E+12	96	72.115	73.886	-1.772	-2.46%	5.79%
5E+12	38	70.458	71.116	-0.658	-0.93%	2.15%
5E+12	42	71.939	74.416	-2.477	-3.44%	8.09%
5E+12	65	71.200	73.305	-2.106	-2.96%	6.88%
1E+13	34	74.100	75.797	-1.697	-2.29%	5.55%
1E+13	52	74.188	75.695	-1.507	-2.03%	4.92%
1E+13	68	71.192	72.632	-1.440	-2.02%	4.71%
Max		74.188	75.797	-0.585	-0.81%	8.09%
Average		72.221	73.815	-1.594	-2.20%	5.21%
Min		70.458	71.116	-2.477	-3.44%	1.91%
Std Dev		1.251	1.532	0.607	0.84%	1.98%



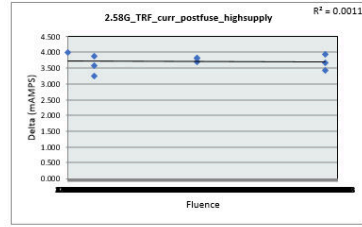
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Test Site		CLAB	CLAB				
Tester		ETS36402	ETS36402				
Test Number		EB726500	EB726500				
Unit		dB	dB				
Max Limit		95	95				
Min Limit		58.5	58.5				
Fluence	LL	Min	Average	Max	UL		
0	58.500	73.302	73.302	73.302	95.000		
1E+12	58.500	72.582	72.582	72.582	95.000		
5E+12	58.500	71.116	71.116	71.116	95.000		
1E+13	58.500	72.632	72.632	72.632	95.000		



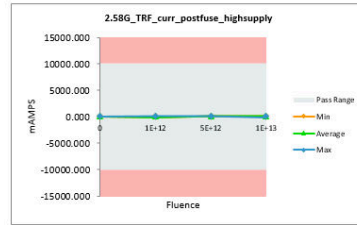


Radation Site: VPT Rad  
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2.58G_TRF_curr_postfuse_high						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	131.596	127.592	4.005	3.04%	0.02%
1E+12	1	127.693	124.110	3.582	2.81%	0.02%
1E+12	82	128.567	125.329	3.238	2.52%	0.02%
1E+12	96	130.576	126.698	3.878	2.97%	0.02%
5E+12	38	128.275	124.565	3.709	2.89%	0.02%
5E+12	42	130.727	126.916	3.810	2.91%	0.02%
5E+12	65	130.830	127.015	3.815	2.92%	0.02%
1E+13	34	129.172	125.236	3.936	3.05%	0.02%
1E+13	52	128.349	124.693	3.657	2.85%	0.02%
1E+13	68	129.662	126.231	3.431	2.65%	0.02%
	Max	131.596	127.592	4.005	3.05%	0.02%
	Average	129.545	125.839	3.706	2.86%	0.02%
	Min	127.693	124.110	3.238	2.52%	0.02%
	Std Dev	1.329	1.204	0.237	0.17%	0.00%

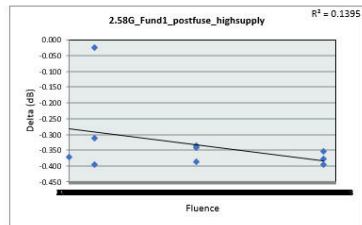


2.58G_TRF_curr_postfuse_high				
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	127.592	124.110	124.565	124.693
Average	127.592	125.379	125.166	125.387
Max	127.592	126.698	127.015	126.231
UL	10000.000	10000.000	10000.000	10000.000

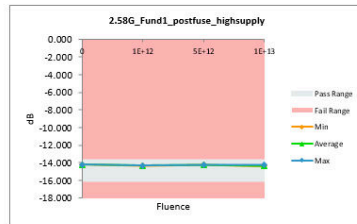


Radation Site: VPT Rad  
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2.58G_Fund1_postfuse_high						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.586	-14.213	-0.372	2.55%	14.90%
1E+12	1	-14.352	-14.326	-0.026	0.18%	1.04%
1E+12	82	-14.626	-14.316	-0.310	2.12%	12.42%
1E+12	96	-14.682	-14.287	-0.395	2.69%	15.81%
5E+12	38	-14.593	-14.257	-0.335	2.30%	13.41%
5E+12	42	-14.642	-14.257	-0.385	2.63%	15.41%
5E+12	65	-14.615	-14.273	-0.342	2.34%	13.68%
1E+13	34	-14.691	-14.295	-0.396	2.70%	15.85%
1E+13	52	-14.720	-14.342	-0.378	2.56%	15.10%
1E+13	68	-14.612	-14.260	-0.352	2.41%	14.09%
	Max	-14.352	-14.213	-0.026	2.70%	15.85%
	Average	-14.612	-14.283	-0.329	2.25%	13.17%
	Min	-14.720	-14.342	-0.396	0.18%	1.04%
	Std Dev	0.101	0.039	0.110	0.75%	4.41%

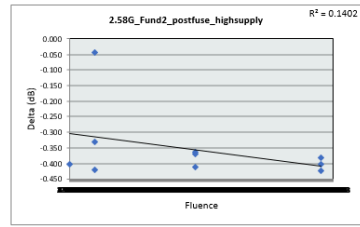


2.58G_Fund1_postfuse_high				
Fluence	0	1E+12	5E+12	1E+13
LL	-16.100	-16.100	-16.100	-16.100
Min	-14.213	-14.326	-14.273	-14.342
Average	-14.213	-14.310	-14.262	-14.299
Max	-14.213	-14.287	-14.257	-14.260
UL	-13.600	-13.600	-13.600	-13.600

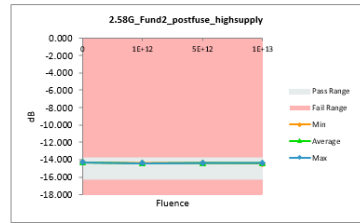


Radaition Site: VPT Rad  
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2.58G_Fund2_postfuse_highs						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-14.702	-14.299	-0.403	2.74%	16.12%
1E+12	1	-14.466	-14.423	-0.044	0.30%	1.74%
1E+12	82	-14.741	-14.411	-0.330	2.24%	13.20%
1E+12	96	-14.805	-14.384	-0.421	2.85%	16.85%
5E+12	38	-14.712	-14.350	-0.362	2.46%	14.49%
5E+12	42	-14.763	-14.352	-0.411	2.78%	16.43%
5E+12	65	-14.737	-14.366	-0.371	2.52%	14.84%
1E+13	34	-14.812	-14.388	-0.425	2.87%	16.98%
1E+13	52	-14.842	-14.440	-0.401	2.70%	16.05%
1E+13	68	-14.740	-14.360	-0.380	2.58%	15.21%
Max		-14.466	-14.299	-0.044	2.87%	16.98%
Average		-14.732	-14.377	-0.355	2.40%	14.19%
Min		-14.842	-14.440	-0.425	0.30%	1.74%
Std Dev		0.104	0.041	0.113	0.76%	4.53%

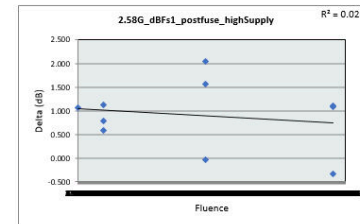


2.58G_Fund2_postfuse_high				
Fluence	0	1E+12	5E+12	1E+13
LL	-16.250	-16.250	-16.250	-16.250
Min	-14.299	-14.423	-14.366	-14.440
Average	-14.299	-14.406	-14.356	-14.396
Max	-14.299	-14.384	-14.350	-14.360
UL	-13.750	-13.750	-13.750	-13.750

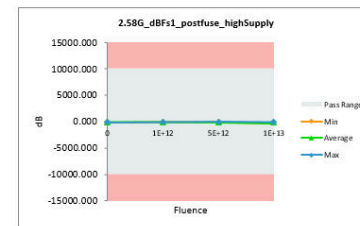


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

2.58G_dBfs1_postfuse_highs						
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-87.843	-88.904	1.061	-1.21%	0.01%
1E+12	1	-87.903	-88.694	0.790	-0.90%	0.00%
1E+12	82	-89.809	-90.394	0.585	-0.65%	0.00%
1E+12	96	-88.907	-90.035	1.128	-1.27%	0.01%
5E+12	38	-86.886	-86.857	-0.029	0.03%	0.00%
5E+12	42	-88.421	-90.471	2.050	-2.32%	0.01%
5E+12	65	-87.486	-89.045	1.559	-1.78%	0.01%
1E+13	34	-90.298	-91.352	1.054	-1.20%	0.01%
1E+13	52	-91.766	-91.440	-0.326	0.36%	0.00%
1E+13	68	-87.262	-88.373	1.111	-1.27%	0.01%
Max		-86.886	-86.857	2.050	0.36%	0.01%
Average		-88.658	-89.559	0.901	-1.02%	0.00%
Min		-91.766	-91.440	-0.326	-2.32%	0.00%
Std Dev		1.545	1.444	0.698	0.79%	0.00%

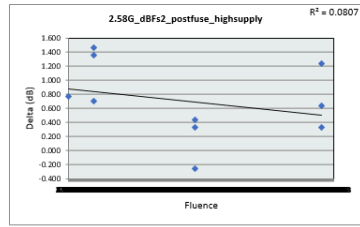


2.58G_dBfs1_postfuse_high				
Fluence	0	1E+12	5E+12	1E+13
LL	-10000.000	-10000.000	-10000.000	-10000.000
Min	-88.904	-90.394	-90.471	-91.440
Average	-88.904	-89.707	-88.791	-90.398
Max	-88.904	-88.694	-86.857	-88.373
UL	10000.000	10000.000	10000.000	10000.000

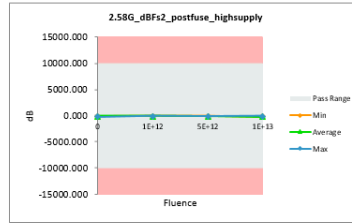


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_dBFs2_postfuse_highsu				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	-86.937	-87.705	0.768	-0.88%	0.00%
1E+12	1	-86.890	-87.598	0.708	-0.81%	0.00%
1E+12	82	-88.102	-89.452	1.350	-1.53%	0.01%
1E+12	96	-87.685	-89.146	1.461	-1.67%	0.01%
5E+12	38	-85.986	-85.726	-0.260	0.30%	0.00%
5E+12	42	-88.622	-88.958	0.335	-0.38%	0.00%
5E+12	65	-86.731	-87.174	0.443	-0.51%	0.00%
1E+13	34	-90.408	-91.041	0.633	-0.70%	0.00%
1E+13	52	-88.985	-90.222	1.237	-1.39%	0.01%
1E+13	68	-86.793	-87.121	0.329	-0.38%	0.00%
Max		-85.986	-85.726	1.461	0.30%	0.01%
Average		-87.714	-88.414	0.700	-0.80%	0.00%
Min		-90.408	-91.041	-0.260	-1.67%	0.00%
Std Dev		1.331	1.622	0.533	0.61%	0.00%

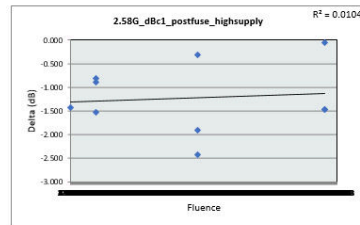


		2.58G_dBFs2_postfuse_high				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	10000	10000				
Min Limit	-10000	-10000				
Fluence	0	1E+12	5E+12	1E+13		
LL	-10000.000	-10000.000	-10000.000	-10000.000		
Min	-87.705	-89.452	-88.958	-91.041		
Average	-87.705	-88.732	-87.286	-89.462		
Max	-87.705	-87.598	-85.726	-87.121		
UL	10000.000	10000.000	10000.000	10000.000		

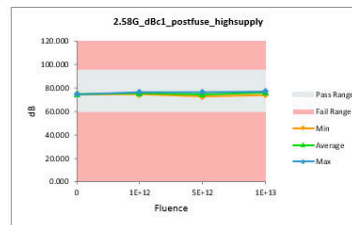


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_dBc1_postfuse_highsu				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	95	95				
Min Limit	65.5	59.5				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	73.257	74.691	-1.434	-1.96%	4.86%
1E+12	1	73.551	74.368	-0.816	-1.11%	2.77%
1E+12	82	75.183	76.078	-0.896	-1.19%	3.04%
1E+12	96	74.224	75.747	-1.523	-2.05%	5.16%
5E+12	38	72.294	72.600	-0.306	-0.42%	1.04%
5E+12	42	73.779	76.214	-2.435	-3.30%	8.25%
5E+12	65	72.871	74.773	-1.901	-2.61%	6.44%
1E+13	34	75.607	77.088	-1.480	-1.96%	5.02%
1E+13	52	77.046	77.098	-0.051	-0.07%	0.17%
1E+13	68	72.649	74.113	-1.463	-2.01%	4.96%
Max		77.046	77.098	-0.051	-0.07%	8.25%
Average		74.046	75.277	-1.231	-1.67%	4.17%
Min		72.294	72.600	-2.435	-3.30%	0.17%
Std Dev		1.484	1.425	0.720	0.98%	2.44%

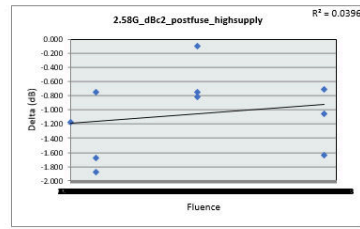


		2.58G_dBc1_postfuse_highs				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	95	95				
Min Limit	59.5	59.5				
Fluence	0	1E+12	5E+12	1E+13		
LL	59.500	59.500	59.500	59.500		
Min	74.691	74.368	72.600	74.113		
Average	74.691	75.398	74.529	76.099		
Max	74.691	76.078	76.214	77.098		
UL	95.000	95.000	95.000	95.000		

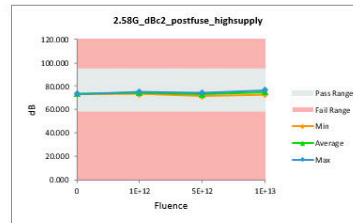


Radaition Site: VPT Rad  
NDD Report  
TRF0206-SP

		2.58G_dBc2_postfuse_highsup				
Test Site	CLAB	CLAB				
Tester	ETS36402	ETS36402				
Test Number	EB726500	EB726500				
Unit	dB	dB				
Max Limit	95	95				
Min Limit	64.5	58.5				
Fluence	Serial #	Pre NDD	Post NDD	Delta	Delta %	% of Limit Range
0	24	72.235	73.406	-1.171	-1.62%	3.84%
1E+12	1	72.424	73.176	-0.751	-1.04%	2.46%
1E+12	82	73.361	75.041	-1.680	-2.29%	5.51%
1E+12	96	72.880	74.762	-1.882	-2.58%	6.17%
5E+12	38	71.274	71.376	-0.102	-0.14%	0.33%
5E+12	42	73.859	74.605	-0.746	-1.01%	2.45%
5E+12	65	71.994	72.808	-0.814	-1.13%	2.67%
1E+13	34	75.596	76.653	-1.057	-1.40%	3.47%
1E+13	52	74.143	75.782	-1.638	-2.21%	5.37%
1E+13	68	72.052	72.761	-0.709	-0.98%	2.32%
	Max	75.596	76.653	-0.102	-0.14%	6.17%
	Average	72.982	74.037	-1.055	-1.44%	3.46%
	Min	71.274	71.376	-1.882	-2.58%	0.33%
	Std Dev	1.279	1.602	0.548	0.74%	1.80%



		2.58G_dBc2_postfuse_highsup		
Test Site	CLAB	CLAB		
Tester	ETS36402	ETS36402		
Test Number	EB726500	EB726500		
Max Limit	95	dB		
Min Limit	58.5	dB		
Fluence	0	1E+12	5E+12	1E+13
LL	58.500	58.500	58.500	58.500
Min	73.406	73.176	71.376	72.761
Average	73.406	74.326	72.950	75.065
Max	73.406	75.041	74.605	76.653
UL	95.000	95.000	95.000	95.000



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