UC1707-SP (5962-8761903VEA) Neutron Displacement Damage Characterization Test Report

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ABSTRACT

This report presents the effect of neutron displacement damage (NDD) on the UC1707-SP device. The results show that all devices were fully functional and within production test limits after having been irradiated up to 6.08×10^{11} n / cm^2 (1-MeV equivalent). A sample size of twenty 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 1134A and assembly lot 1017436MMT. Electrical testing was performed at Texas Instruments before and after neutron irradiation using the production test program for UC1707-SP.

NOTE: For questions or comments, contact hirelmarketing@list.ti.com.

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1 Overview

The UC1707-SP power driver is made with a high-speed Schottky process to interface between low-level control functions and high-power switching devices – particularly power MOSFETs. The UC1707-SP contains two independent channels, each of which can be activated by either a high- or low-input logic level signal. Each output can source or sink up to 1.5 A, as long as power dissipation limits are not exceeded. Although each output can be activated independently with its own inputs, it can be forced low in common through the action either of a digital high signal at the *Shutdown* terminal or a differential low-level analog signal. The *Shutdown* command from either source can either be latching or not, depending on the status of the *Latch Disable* pin. Supply voltage for both V_{IN} and V_C can independently range from 5 to 40 V.

General device information and testing conditions are listed in Table 1.

Table 1. Overview Information

TI Part Number	UC1707-SP
SMD Number	5962-87619
Device Function	Dual-Channel Power Driver
Die Name	SMGGRC1707VS
Technology	BiPolar
A/T Lot Number / Date Code	1017436MMT / 1134A
Quantity Tested	11
Exposure Facility	Reactor Facility – FNI University of Massachusetts Lowell
Neutron Fluence (1 MeV eqv.)	6.08×10^{11} n / cm^2
Irradiation Temperature	25°C
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2 Test Procedures

The UC1707-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 UC1707-SP as modified in Table 2.

Table 2. Neutron Irradiation Conditions

Group	Sample Qty	Neutron Fluence (n / cm^2)
A	3	6.08×10^{11} n / cm^2
B	11	
C	3	
D	2	

Figure 1. UC1707-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 ≥ 10^{11} n / cm^2 –s, with relatively low thermal fluence and gamma dose rates. Samples with a cross-sectional area as large as 30 cm (12 in) × 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) × 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:

https://www.uml.edu/docs/FNI%20Brochure_tcm18-90375.pdf

4 Results

No functional failures were observed after neutron irradiation at any of the neutron dose levels used. All parametric measurements remained well within all UC1707-SP data sheet (SLUSAG0) limits for all exposure levels. All parametric measurements remained well within the production test limits which are guard banded from the datasheet limits. An overview of the largest drifts seen post-test is in the following list. The full parameter list and graphs are found in Appendix B.

The largest shifts seen for various parameters are listed below.

1. 23.0 I_{IH} of INV input B, with V_{IIH} = 5 V. Pre readings approximately 0.231 µA, Post approximately 1.89 µA, Change < 750%. This accounts for < 2% shift of Fail Limit Range.
2. 28.0 Common mode input bias current @ V_{CM} = 0. Pre readings approximately –2.236 µA, Post readings approximately –3.904 µA, Change approximately 75%. This accounts for < 8% shift of Fail Limit Range.
3. 40.0 TFALL of output A, from NI input A. Pre readings approximately 36.887 nS, Post readings approximately 65.105 nS, Change approximately 77%. This accounts for < 36% of Fail Limit Range.

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 datasheet limits to insure the device meets all data sheet parameters.

Full Test Results

Table 3 provides the list of tested parameters.

Table 3. Full Test Results

Parameter	Test Condition	SMD# 87619 Data Sheet SLUSAG0			Unit	FT Tests Covered
		MIN	TYP	MAX		
$I_{CC(IN)}$ V_{IN} Supply current	V_{IN} = 40 V			15	mA	x
$I_{CC(C)}$ Vc Supply current	V_C = 40 V, outputs low			7.5	mA	x
I_{CL} V_C leakage current	V_{IO} = 0 V, V_C = 30 V			0.1	mA	x
V_{IL} Digital input low level voltage				0.8	V	x
V_{IH} Digital input high level voltage		2.2			V	x
I_I Input current	V_I = 0 V			–1	mA	x
I_{IL} Input leakage current	V_I = 5 V			0.1	mA	x
$V_{CO(SAT)}$ Output high saturation voltage, (V_C – V_O)	I_O = –50 mA			2	V	x
	I_O = 500 mA			2.5		x
$V_{O(SAT)}$ Output low saturation voltage	I_O = 50 mA			0.4	V	x
	I_O = 500 mA			2.5		x
V_{AT} Analog threshold voltage	0 V ≤ V_{CM} ≤ 15 V	90		150	mV	x
I_{IB} Input bias current	V_{CM} = 0 V			–20	µA	x
$V_{shutdown}$ Shutdown threshold voltage	SHUTDOWN pin input	0.4		2.2	V	x
$V_{disable}$ Latch disable threshold voltage	LATCH DISABLE pin input	0.8		2.2	V	x
t_r(delay) Rise time delay 2/	Inverting input to output			145	ns	x
	Non-inverting input to output			205		x
t_f (delay) Fall time delay 2/	Inverting input to output			80	ns	x
	Non-inverting input to output			145		x
t_r Rise time	Inverting input to output, C_L = 2.2 nF			70	ns	x
	Non-inverting input to output, C_L = 2.2 nF			70		x
t_f Fall time	Inverting input to output, C_L = 2.2 nF			70	ns	x
	Non-inverting input to output, C_L = 2.2 nF			70		x
tshut(A) Analog shutdown delay	Stop (+) ref. = 0 V, Stop (–) input = 0 V to 0.5 V			190	ns	x
t_{shut} Digital shutdown delay time	Shutdown pin = 2 V			60	ns	x

Test Results

Appendix B shows the detailed test results.

NDD Report - Parametric Drift Graphs

UC1707-SP

Delta Threshold 10.00%

NDD Report
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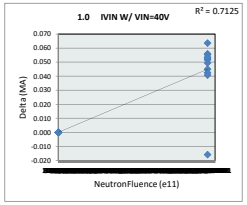
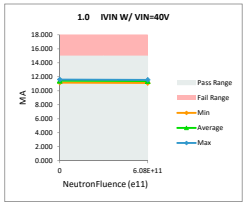
	1.0 IVIN W/ VIN=40V	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	MA	MA
Max Limit	14.98	14.98
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	11.524	11.524	0.000	0.00%	0.00%
0	667	11.508	11.508	0.000	0.00%	0.00%
0	339	11.464	11.464	0.000	0.00%	0.00%
0	1454	11.333	11.333	0.000	0.00%	0.00%
0	1633	11.539	11.539	0.000	0.00%	0.00%
0	848	11.453	11.453	0.000	0.00%	0.00%
0	1119	11.166	11.166	0.000	0.00%	0.00%
0	1042	11.508	11.508	0.000	0.00%	0.00%
0	441	11.609	11.609	0.000	0.00%	0.00%
0	203	11.219	11.219	0.000	0.00%	0.00%
0	119	11.478	11.478	0.000	0.00%	0.00%
6.08E+11	2519	11.524	11.461	0.064	0.55%	0.42%
6.08E+11	2667	11.508	11.456	0.052	0.45%	0.35%
6.08E+11	2339	11.464	11.408	0.056	0.49%	0.37%
6.08E+11	21454	11.333	11.281	0.053	0.47%	0.35%
6.08E+11	21633	11.539	11.494	0.045	0.39%	0.30%
6.08E+11	2848	11.453	11.411	0.043	0.37%	0.28%
6.08E+11	21119	11.166	11.111	0.055	0.50%	0.37%
6.08E+11	21042	11.508	11.467	0.041	0.35%	0.27%
6.08E+11	2441	11.609	11.559	0.049	0.43%	0.33%
6.08E+11	2203	11.219	11.235	-0.016	-0.14%	0.11%
6.08E+11	2119	11.478	11.424	0.054	0.47%	0.36%
	Max	11.609	11.609	0.064	0.55%	0.42%
	Average	11.436	11.414	0.023	0.20%	0.16%
	Min	11.166	11.111	-0.016	-0.14%	0.00%
	Std Dev	0.135	0.133	0.027	0.24%	0.17%



	1.0 IVIN W/ VIN=40V	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	14.98	MA
Min Limit	0	MA
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	11.166	11.111
Average	11.436	11.391
Max	11.609	11.559
UL	14.980	14.980



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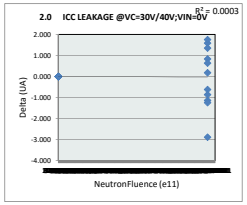
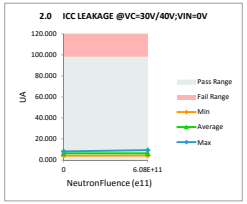
	2.0 ICC LEAKAGE @VC=30V/4	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	UA	UA
Max Limit	98	98
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	6.544	6.544	0.000	0.00%	0.00%
0	667	6.186	6.186	0.000	0.00%	0.00%
0	339	6.302	6.302	0.000	0.00%	0.00%
0	1454	6.369	6.369	0.000	0.00%	0.00%
0	1633	8.157	8.157	0.000	0.00%	0.00%
0	848	6.820	6.820	0.000	0.00%	0.00%
0	1119	4.075	4.075	0.000	0.00%	0.00%
0	1042	5.567	5.567	0.000	0.00%	0.00%
0	441	6.003	6.003	0.000	0.00%	0.00%
0	203	5.972	5.972	0.000	0.00%	0.00%
0	119	7.390	7.390	0.000	0.00%	0.00%
6.08E+11	2519	6.544	7.676	-1.133	-17.31%	1.16%
6.08E+11	2667	6.186	4.599	1.586	25.65%	1.62%
6.08E+11	2339	6.302	4.954	1.349	21.40%	1.38%
6.08E+11	21454	6.369	5.534	0.835	13.11%	0.85%
6.08E+11	21633	8.157	9.401	-1.244	-15.25%	1.27%
6.08E+11	2848	6.820	7.437	-0.616	-9.04%	0.63%
6.08E+11	21119	4.075	6.959	-2.884	-70.78%	2.94%
6.08E+11	21042	5.567	5.385	0.182	3.27%	0.19%
6.08E+11	2441	6.003	4.245	1.758	29.29%	1.79%
6.08E+11	2203	5.972	6.835	-0.863	-14.46%	0.88%
6.08E+11	2119	7.390	6.754	0.637	8.61%	0.65%
	Max	8.157	9.401	1.758	29.29%	2.94%
	Average	6.308	6.326	-0.018	-1.16%	0.61%
	Min	4.075	4.075	-2.884	-70.78%	0.00%
	Std Dev	1.008	1.286	0.996	19.56%	0.80%



	2.0 ICC LEAKAGE @VC=30V	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	98	UA
Min Limit	0	UA
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	4.075	4.245
Average	6.308	6.344
Max	8.157	9.401
UL	98.000	98.000



NDD Report
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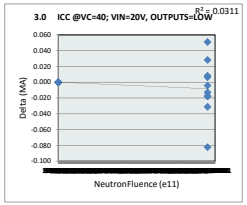
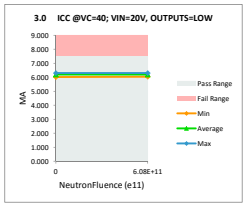
		3.0 ICC @VC=40; VIN=20V, O	
	Test Site	CLAB	CLAB
	Tester	LTX	LTX
	Test Number	XPM22800	XPM22800
	Unit	MA	MA
	Max Limit	7.485	7.485
	Min Limit	0	0
NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	6.212	6.212	0.000	0.00%	0.00%
0	667	6.305	6.305	0.000	0.00%	0.00%
0	339	6.228	6.228	0.000	0.00%	0.00%
0	1454	6.106	6.106	0.000	0.00%	0.00%
0	1633	6.293	6.293	0.000	0.00%	0.00%
0	848	6.192	6.192	0.000	0.00%	0.00%
0	1119	6.092	6.092	0.000	0.00%	0.00%
0	1042	6.241	6.241	0.000	0.00%	0.00%
0	441	6.280	6.280	0.000	0.00%	0.00%
0	203	6.020	6.020	0.000	0.00%	0.00%
0	119	6.162	6.162	0.000	0.00%	0.00%
6.08E+11	2519	6.212	6.294	-0.082	-1.32%	1.10%
6.08E+11	2667	6.305	6.299	0.006	0.10%	0.08%
6.08E+11	2339	6.228	6.246	-0.018	-0.29%	0.24%
6.08E+11	21454	6.106	6.124	-0.018	-0.29%	0.24%
6.08E+11	21633	6.293	6.265	0.028	0.45%	0.38%
6.08E+11	2848	6.192	6.184	0.008	0.13%	0.11%
6.08E+11	21119	6.092	6.104	-0.013	-0.21%	0.17%
6.08E+11	21042	6.241	6.191	0.051	0.81%	0.68%
6.08E+11	2441	6.280	6.284	-0.004	-0.07%	0.06%
6.08E+11	2203	6.020	6.037	-0.018	-0.29%	0.24%
6.08E+11	2119	6.162	6.194	-0.031	-0.51%	0.42%
	Max	6.305	6.305	0.051	0.81%	1.10%
	Average	6.194	6.198	-0.004	-0.07%	0.17%
	Min	6.020	6.020	-0.082	-1.32%	0.00%
	Std Dev	0.089	0.087	0.024	0.38%	0.27%



	3.0 ICC @VC=40; VIN=20V,	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	7.485	MA
Min Limit	0	MA
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	6.020	6.037
Average	6.194	6.202
Max	6.305	6.299
UL	7.485	7.485



NDD Report
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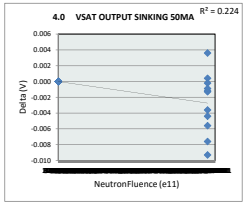
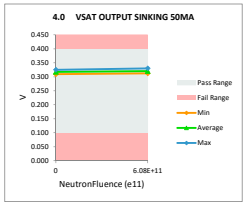
	4.0 VSAT OUTPUT SINKING 5	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	0.397	0.397
Min Limit	0.1	0.1

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.315	0.315	0.000	0.00%	0.00%
0	667	0.309	0.309	0.000	0.00%	0.00%
0	339	0.316	0.316	0.000	0.00%	0.00%
0	1454	0.321	0.321	0.000	0.00%	0.00%
0	1633	0.311	0.311	0.000	0.00%	0.00%
0	848	0.319	0.319	0.000	0.00%	0.00%
0	1119	0.325	0.325	0.000	0.00%	0.00%
0	1042	0.317	0.317	0.000	0.00%	0.00%
0	441	0.318	0.318	0.000	0.00%	0.00%
0	203	0.324	0.324	0.000	0.00%	0.00%
0	119	0.319	0.319	0.000	0.00%	0.00%
6.08E+11	2519	0.315	0.315	0.000	0.13%	0.13%
6.08E+11	2667	0.309	0.317	-0.008	-2.46%	2.56%
6.08E+11	2339	0.316	0.312	0.004	1.14%	1.21%
6.08E+11	21454	0.321	0.330	-0.009	-2.90%	3.13%
6.08E+11	21633	0.311	0.315	-0.004	-1.16%	1.21%
6.08E+11	2848	0.319	0.320	-0.001	-0.41%	0.44%
6.08E+11	21119	0.325	0.326	-0.001	-0.37%	0.40%
6.08E+11	21042	0.317	0.321	-0.004	-1.39%	1.48%
6.08E+11	2441	0.318	0.318	0.000	-0.06%	0.07%
6.08E+11	2203	0.324	0.325	-0.001	-0.28%	0.30%
6.08E+11	2119	0.319	0.325	-0.006	-1.75%	1.89%
	Max	0.325	0.330	0.004	1.14%	3.13%
	Average	0.318	0.319	-0.001	-0.43%	0.58%
	Min	0.309	0.309	-0.009	-2.90%	0.00%
	Std Dev	0.005	0.005	0.003	0.94%	0.93%



	4.0 VSAT OUTPUT SINKING	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.397	V
Min Limit	0.1	V
NeutronFluence (e	0	6.08E+11
LL	0.100	0.100
Min	0.309	0.312
Average	0.318	0.320
Max	0.325	0.330
UL	0.397	0.397



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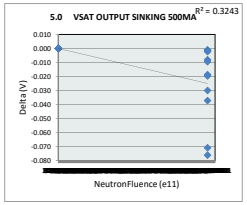
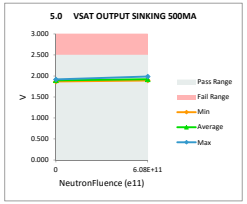
	5.0 VSAT OUTPUT SINKING 5	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.497	2.497
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.887	1.887	0.000	0.00%	0.00%
0	667	1.869	1.869	0.000	0.00%	0.00%
0	339	1.892	1.892	0.000	0.00%	0.00%
0	1454	1.915	1.915	0.000	0.00%	0.00%
0	1633	1.890	1.890	0.000	0.00%	0.00%
0	848	1.902	1.902	0.000	0.00%	0.00%
0	1119	1.918	1.918	0.000	0.00%	0.00%
0	1042	1.890	1.890	0.000	0.00%	0.00%
0	441	1.897	1.897	0.000	0.00%	0.00%
0	203	1.913	1.913	0.000	0.00%	0.00%
0	119	1.896	1.896	0.000	0.00%	0.00%
6.08E+11	2519	1.887	1.906	-0.019	-0.99%	0.75%
6.08E+11	2667	1.869	1.945	-0.076	-4.07%	3.05%
6.08E+11	2339	1.892	1.893	-0.001	-0.05%	0.04%
6.08E+11	21454	1.915	1.986	-0.071	-3.70%	2.84%
6.08E+11	21633	1.890	1.910	-0.020	-1.04%	0.78%
6.08E+11	2848	1.902	1.903	-0.001	-0.07%	0.06%
6.08E+11	21119	1.918	1.920	-0.002	-0.11%	0.09%
6.08E+11	21042	1.890	1.919	-0.030	-1.59%	1.20%
6.08E+11	2441	1.897	1.905	-0.008	-0.43%	0.32%
6.08E+11	2203	1.913	1.922	-0.009	-0.49%	0.38%
6.08E+11	2119	1.896	1.933	-0.037	-1.96%	1.49%
	Max	1.918	1.986	0.000	0.00%	3.05%
	Average	1.897	1.910	-0.012	-0.66%	0.50%
	Min	1.869	1.869	-0.076	-4.07%	0.00%
	Std Dev	0.014	0.024	0.022	1.19%	0.90%



	5.0 VSAT OUTPUT SINKING	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.497	V
Min Limit	0	V
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	1.869	1.893
Average	1.897	1.922
Max	1.918	1.986
UL	2.497	2.497



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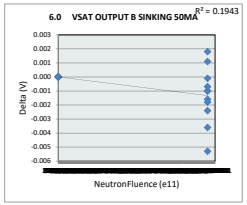
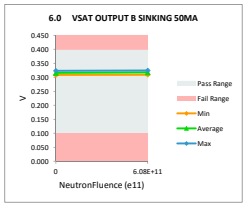
	6.0 VSAT OUTPUT B SINKING	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	0.397	0.397
Min Limit	0.1	0.1

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.312	0.312	0.000	0.00%	0.00%
0	667	0.310	0.310	0.000	0.00%	0.00%
0	339	0.310	0.310	0.000	0.00%	0.00%
0	1454	0.321	0.321	0.000	0.00%	0.00%
0	1633	0.308	0.308	0.000	0.00%	0.00%
0	848	0.319	0.319	0.000	0.00%	0.00%
0	1119	0.323	0.323	0.000	0.00%	0.00%
0	1042	0.316	0.316	0.000	0.00%	0.00%
0	441	0.313	0.313	0.000	0.00%	0.00%
0	203	0.323	0.323	0.000	0.00%	0.00%
0	119	0.319	0.319	0.000	0.00%	0.00%
6.08E+11	2519	0.312	0.317	-0.005	-1.70%	1.78%
6.08E+11	2667	0.310	0.313	-0.002	-0.77%	0.81%
6.08E+11	2339	0.310	0.313	-0.004	-1.16%	1.21%
6.08E+11	21454	0.321	0.320	0.001	0.34%	0.37%
6.08E+11	21633	0.308	0.309	-0.001	-0.32%	0.34%
6.08E+11	2848	0.319	0.317	0.002	0.56%	0.61%
6.08E+11	21119	0.323	0.324	-0.001	-0.31%	0.34%
6.08E+11	21042	0.316	0.317	-0.001	-0.22%	0.24%
6.08E+11	2441	0.313	0.315	-0.002	-0.51%	0.54%
6.08E+11	2203	0.323	0.324	-0.002	-0.56%	0.61%
6.08E+11	2119	0.319	0.319	0.000	-0.03%	0.03%
	Max	0.323	0.324	0.002	0.56%	1.78%
	Average	0.316	0.316	-0.001	-0.21%	0.31%
	Min	0.308	0.308	-0.005	-1.70%	0.00%
	Std Dev	0.005	0.005	0.002	0.49%	0.47%



	6.0 VSAT OUTPUT B SINKIN	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.397	V
Min Limit	0.1	V
NeutronFluence (e	0	6.08E+11
LL	0.100	0.100
Min	0.308	0.309
Average	0.316	0.317
Max	0.323	0.324
UL	0.397	0.397



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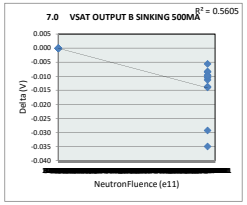
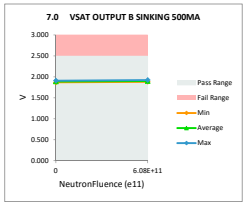
	7.0 VSAT OUTPUT B SINKING	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.497	2.497
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.895	1.895	0.000	0.00%	0.00%
0	667	1.868	1.868	0.000	0.00%	0.00%
0	339	1.878	1.878	0.000	0.00%	0.00%
0	1454	1.899	1.899	0.000	0.00%	0.00%
0	1633	1.872	1.872	0.000	0.00%	0.00%
0	848	1.888	1.888	0.000	0.00%	0.00%
0	1119	1.908	1.908	0.000	0.00%	0.00%
0	1042	1.878	1.878	0.000	0.00%	0.00%
0	441	1.880	1.880	0.000	0.00%	0.00%
0	203	1.908	1.908	0.000	0.00%	0.00%
0	119	1.891	1.891	0.000	0.00%	0.00%
6.08E+11	2519	1.895	1.925	-0.029	-1.55%	1.17%
6.08E+11	2667	1.868	1.903	-0.035	-1.87%	1.40%
6.08E+11	2339	1.878	1.890	-0.011	-0.60%	0.45%
6.08E+11	21454	1.899	1.909	-0.010	-0.55%	0.42%
6.08E+11	21633	1.872	1.881	-0.008	-0.44%	0.33%
6.08E+11	2848	1.888	1.897	-0.010	-0.51%	0.38%
6.08E+11	21119	1.908	1.916	-0.009	-0.45%	0.34%
6.08E+11	21042	1.878	1.892	-0.014	-0.73%	0.55%
6.08E+11	2441	1.880	1.890	-0.010	-0.53%	0.40%
6.08E+11	2203	1.908	1.913	-0.006	-0.29%	0.22%
6.08E+11	2119	1.891	1.905	-0.014	-0.74%	0.56%
	Max	1.908	1.925	0.000	0.00%	1.40%
	Average	1.888	1.895	-0.007	-0.38%	0.28%
	Min	1.868	1.868	-0.035	-1.87%	0.00%
	Std Dev	0.013	0.015	0.010	0.51%	0.39%



	7.0 VSAT OUTPUT B SINKIN	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.497	V
Min Limit	0	V
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	1.868	1.881
Average	1.888	1.902
Max	1.908	1.925
UL	2.497	2.497



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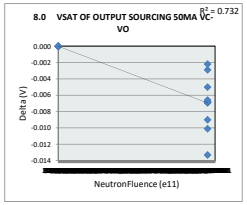
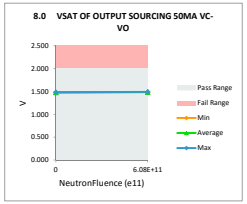
	8.0 VSAT OF OUTPUT SOURCI	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	1.997	1.997
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.482	1.482	0.000	0.00%	0.00%
0	667	1.472	1.472	0.000	0.00%	0.00%
0	339	1.480	1.480	0.000	0.00%	0.00%
0	1454	1.481	1.481	0.000	0.00%	0.00%
0	1633	1.476	1.476	0.000	0.00%	0.00%
0	848	1.477	1.477	0.000	0.00%	0.00%
0	1119	1.480	1.480	0.000	0.00%	0.00%
0	1042	1.476	1.476	0.000	0.00%	0.00%
0	441	1.481	1.481	0.000	0.00%	0.00%
0	203	1.479	1.479	0.000	0.00%	0.00%
0	119	1.483	1.483	0.000	0.00%	0.00%
6.08E+11	2519	1.482	1.488	-0.007	-0.47%	0.35%
6.08E+11	2667	1.472	1.485	-0.013	-0.90%	0.67%
6.08E+11	2339	1.480	1.482	-0.003	-0.20%	0.15%
6.08E+11	21454	1.481	1.487	-0.007	-0.45%	0.33%
6.08E+11	21633	1.476	1.483	-0.007	-0.46%	0.34%
6.08E+11	2848	1.477	1.484	-0.007	-0.47%	0.35%
6.08E+11	21119	1.480	1.487	-0.007	-0.46%	0.34%
6.08E+11	21042	1.476	1.485	-0.009	-0.61%	0.45%
6.08E+11	2441	1.481	1.483	-0.002	-0.15%	0.11%
6.08E+11	2203	1.479	1.489	-0.010	-0.68%	0.51%
6.08E+11	2119	1.483	1.488	-0.005	-0.34%	0.25%
	Max	1.483	1.489	0.000	0.00%	0.67%
	Average	1.479	1.482	-0.003	-0.24%	0.17%
	Min	1.472	1.472	-0.013	-0.90%	0.00%
	Std Dev	0.003	0.005	0.004	0.28%	0.21%



	8.0 VSAT OF OUTPUT SOUR	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	1.997	V
Min Limit	0	V
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	1.472	1.482
Average	1.479	1.486
Max	1.483	1.489
UL	1.997	1.997



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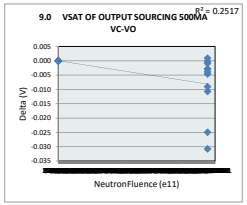
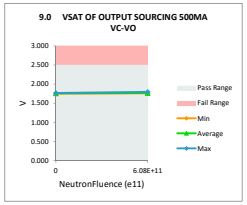
	9.0 VSAT OF OUTPUT SOURCI	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.497	2.497
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.765	1.765	0.000	0.00%	0.00%
0	667	1.763	1.763	0.000	0.00%	0.00%
0	339	1.758	1.758	0.000	0.00%	0.00%
0	1454	1.757	1.757	0.000	0.00%	0.00%
0	1633	1.756	1.756	0.000	0.00%	0.00%
0	848	1.757	1.757	0.000	0.00%	0.00%
0	1119	1.765	1.765	0.000	0.00%	0.00%
0	1042	1.750	1.750	0.000	0.00%	0.00%
0	441	1.763	1.763	0.000	0.00%	0.00%
0	203	1.763	1.763	0.000	0.00%	0.00%
0	119	1.755	1.755	0.000	0.00%	0.00%
6.08E+11	2519	1.765	1.796	-0.031	-1.74%	1.23%
6.08E+11	2667	1.763	1.788	-0.025	-1.41%	1.00%
6.08E+11	2339	1.758	1.761	-0.003	-0.16%	0.11%
6.08E+11	21454	1.757	1.762	-0.005	-0.26%	0.18%
6.08E+11	21633	1.756	1.757	0.000	-0.01%	0.01%
6.08E+11	2848	1.757	1.758	-0.001	-0.05%	0.04%
6.08E+11	21119	1.765	1.768	-0.003	-0.16%	0.11%
6.08E+11	21042	1.750	1.760	-0.011	-0.61%	0.43%
6.08E+11	2441	1.763	1.762	0.001	0.05%	0.04%
6.08E+11	2203	1.763	1.766	-0.004	-0.22%	0.15%
6.08E+11	2119	1.755	1.763	-0.009	-0.51%	0.36%
	Max	1.765	1.796	0.001	0.05%	1.23%
	Average	1.759	1.763	-0.004	-0.23%	0.17%
	Min	1.750	1.750	-0.031	-1.74%	0.00%
	Std Dev	0.005	0.010	0.008	0.47%	0.33%



	9.0 VSAT OF OUTPUT SOUR	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.497	V
Min Limit	0	V
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	1.750	1.757
Average	1.759	1.767
Max	1.765	1.796
UL	2.497	2.497



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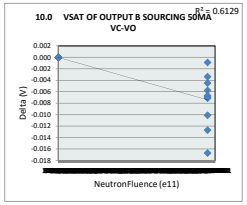
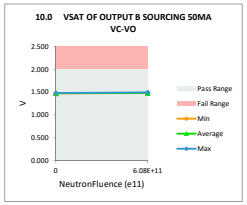
	10.0 VSAT OF OUTPUT B SOU	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	1.997	1.997
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.477	1.477	0.000	0.00%	0.00%
0	667	1.472	1.472	0.000	0.00%	0.00%
0	339	1.479	1.479	0.000	0.00%	0.00%
0	1454	1.480	1.480	0.000	0.00%	0.00%
0	1633	1.476	1.476	0.000	0.00%	0.00%
0	848	1.477	1.477	0.000	0.00%	0.00%
0	1119	1.480	1.480	0.000	0.00%	0.00%
0	1042	1.477	1.477	0.000	0.00%	0.00%
0	441	1.481	1.481	0.000	0.00%	0.00%
0	203	1.480	1.480	0.000	0.00%	0.00%
0	119	1.481	1.481	0.000	0.00%	0.00%
6.08E+11	2519	1.477	1.484	-0.007	-0.48%	0.36%
6.08E+11	2667	1.472	1.488	-0.017	-1.13%	0.84%
6.08E+11	2339	1.479	1.479	-0.001	-0.06%	0.05%
6.08E+11	21454	1.480	1.493	-0.013	-0.86%	0.64%
6.08E+11	21633	1.476	1.483	-0.007	-0.46%	0.34%
6.08E+11	2848	1.477	1.482	-0.004	-0.30%	0.23%
6.08E+11	21119	1.480	1.483	-0.003	-0.23%	0.17%
6.08E+11	21042	1.477	1.487	-0.010	-0.68%	0.51%
6.08E+11	2441	1.481	1.487	-0.006	-0.39%	0.29%
6.08E+11	2203	1.480	1.487	-0.007	-0.48%	0.36%
6.08E+11	2119	1.481	1.487	-0.007	-0.45%	0.34%
	Max	1.481	1.493	0.000	0.00%	0.84%
	Average	1.478	1.482	-0.004	-0.25%	0.19%
	Min	1.472	1.472	-0.017	-1.13%	0.00%
	Std Dev	0.003	0.005	0.005	0.33%	0.24%



	10.0 VSAT OF OUTPUT B SO	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	1.997	V
Min Limit	0	V
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	1.472	1.479
Average	1.478	1.485
Max	1.481	1.493
UL	1.997	1.997



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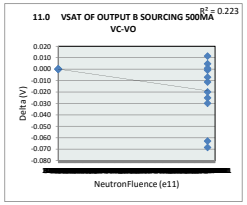
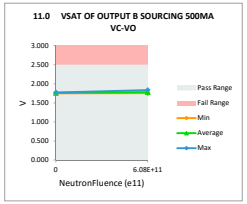
	11.0 VSAT OF OUTPUT B SOU	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.497	2.497
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.751	1.751	0.000	0.00%	0.00%
0	667	1.757	1.757	0.000	0.00%	0.00%
0	339	1.766	1.766	0.000	0.00%	0.00%
0	1454	1.774	1.774	0.000	0.00%	0.00%
0	1633	1.768	1.768	0.000	0.00%	0.00%
0	848	1.764	1.764	0.000	0.00%	0.00%
0	1119	1.768	1.768	0.000	0.00%	0.00%
0	1042	1.753	1.753	0.000	0.00%	0.00%
0	441	1.773	1.773	0.000	0.00%	0.00%
0	203	1.763	1.763	0.000	0.00%	0.00%
0	119	1.754	1.754	0.000	0.00%	0.00%
6.08E+11	2519	1.751	1.771	-0.020	-1.14%	0.80%
6.08E+11	2667	1.757	1.826	-0.069	-3.90%	2.74%
6.08E+11	2339	1.766	1.754	0.011	0.64%	0.45%
6.08E+11	21454	1.774	1.837	-0.063	-3.55%	2.52%
6.08E+11	21633	1.768	1.780	-0.011	-0.64%	0.45%
6.08E+11	2848	1.764	1.760	0.005	0.26%	0.18%
6.08E+11	21119	1.768	1.768	-0.001	-0.05%	0.04%
6.08E+11	21042	1.753	1.778	-0.025	-1.43%	1.01%
6.08E+11	2441	1.773	1.773	0.001	0.04%	0.03%
6.08E+11	2203	1.763	1.770	-0.007	-0.40%	0.28%
6.08E+11	2119	1.754	1.784	-0.030	-1.70%	1.20%
	Max	1.774	1.837	0.011	0.64%	2.74%
	Average	1.763	1.772	-0.010	-0.54%	0.44%
	Min	1.751	1.751	-0.069	-3.90%	0.00%
	Std Dev	0.008	0.021	0.021	1.17%	0.79%



	11.0 VSAT OF OUTPUT B SO	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.497	V
Min Limit	0	V
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	1.751	1.754
Average	1.763	1.782
Max	1.774	1.837
UL	2.497	2.497



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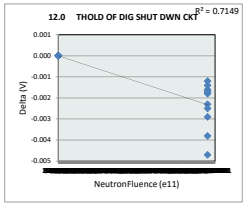
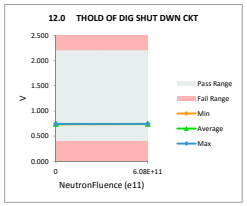
	12.0 THOLD OF DIG SHUT DW	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.197	2.197
Min Limit	0.403	0.403

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.739	0.739	0.000	0.00%	0.00%
0	667	0.734	0.734	0.000	0.00%	0.00%
0	339	0.738	0.738	0.000	0.00%	0.00%
0	1454	0.741	0.741	0.000	0.00%	0.00%
0	1633	0.738	0.738	0.000	0.00%	0.00%
0	848	0.739	0.739	0.000	0.00%	0.00%
0	1119	0.739	0.739	0.000	0.00%	0.00%
0	1042	0.738	0.738	0.000	0.00%	0.00%
0	441	0.740	0.740	0.000	0.00%	0.00%
0	203	0.739	0.739	0.000	0.00%	0.00%
0	119	0.741	0.741	0.000	0.00%	0.00%
6.08E+11	2519	0.739	0.740	-0.002	-0.22%	0.09%
6.08E+11	2667	0.734	0.739	-0.005	-0.64%	0.26%
6.08E+11	2339	0.738	0.740	-0.002	-0.23%	0.09%
6.08E+11	21454	0.741	0.743	-0.002	-0.24%	0.10%
6.08E+11	21633	0.738	0.740	-0.002	-0.34%	0.14%
6.08E+11	2848	0.739	0.741	-0.002	-0.23%	0.09%
6.08E+11	21119	0.739	0.740	-0.001	-0.19%	0.08%
6.08E+11	21042	0.738	0.742	-0.004	-0.52%	0.21%
6.08E+11	2441	0.740	0.742	-0.002	-0.31%	0.13%
6.08E+11	2203	0.739	0.741	-0.001	-0.16%	0.07%
6.08E+11	2119	0.741	0.744	-0.003	-0.39%	0.16%
	Max	0.741	0.744	0.000	0.00%	0.26%
	Average	0.739	0.740	-0.001	-0.16%	0.06%
	Min	0.734	0.734	-0.005	-0.64%	0.00%
	Std Dev	0.002	0.002	0.001	0.19%	0.08%



	12.0 THOLD OF DIG SHUT D	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.197	V
Min Limit	0.403	V
NeutronFluence (e	0	6.08E+11
LL	0.403	0.403
Min	0.734	0.739
Average	0.739	0.741
Max	0.741	0.744
UL	2.197	2.197



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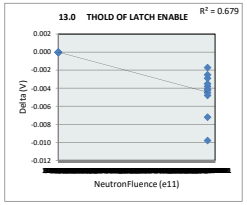
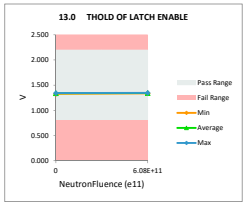
		13.0 THOLD OF LATCH ENABL	
	Test Site	CLAB	CLAB
	Tester	LTX	LTX
	Test Number	XPM22800	XPM22800
	Unit	V	V
	Max Limit	2.197	2.197
	Min Limit	0.803	0.803
NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.338	1.338	0.000	0.00%	0.00%
0	667	1.328	1.328	0.000	0.00%	0.00%
0	339	1.338	1.338	0.000	0.00%	0.00%
0	1454	1.342	1.342	0.000	0.00%	0.00%
0	1633	1.337	1.337	0.000	0.00%	0.00%
0	848	1.340	1.340	0.000	0.00%	0.00%
0	1119	1.343	1.343	0.000	0.00%	0.00%
0	1042	1.337	1.337	0.000	0.00%	0.00%
0	441	1.339	1.339	0.000	0.00%	0.00%
0	203	1.344	1.344	0.000	0.00%	0.00%
0	119	1.341	1.341	0.000	0.00%	0.00%
6.08E+11	2519	1.338	1.339	-0.002	-0.13%	0.12%
6.08E+11	2667	1.328	1.338	-0.010	-0.74%	0.70%
6.08E+11	2339	1.338	1.341	-0.003	-0.19%	0.18%
6.08E+11	21454	1.342	1.346	-0.005	-0.36%	0.34%
6.08E+11	21633	1.337	1.341	-0.004	-0.28%	0.27%
6.08E+11	2848	1.340	1.344	-0.004	-0.31%	0.29%
6.08E+11	21119	1.343	1.346	-0.003	-0.22%	0.21%
6.08E+11	21042	1.337	1.344	-0.007	-0.54%	0.52%
6.08E+11	2441	1.339	1.343	-0.004	-0.31%	0.30%
6.08E+11	2203	1.344	1.347	-0.003	-0.26%	0.25%
6.08E+11	2119	1.341	1.345	-0.004	-0.34%	0.32%
	Max	1.344	1.347	0.000	0.00%	0.70%
	Average	1.339	1.341	-0.002	-0.17%	0.16%
	Min	1.328	1.328	-0.010	-0.74%	0.00%
	Std Dev	0.004	0.004	0.003	0.21%	0.20%



	13.0 THOLD OF LATCH ENAB	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.197	V
Min Limit	0.803	V
NeutronFluence (e	0	6.08E+11
LL	0.803	0.803
Min	1.328	1.338
Average	1.339	1.343
Max	1.344	1.347
UL	2.197	2.197



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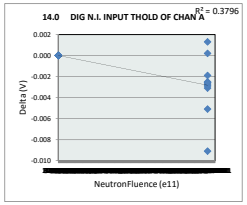
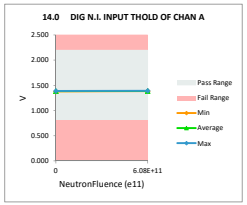
	14.0 DIG N.I. INPUT THOLD C	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.197	2.197
Min Limit	0.803	0.803

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.386	1.386	0.000	0.00%	0.00%
0	667	1.377	1.377	0.000	0.00%	0.00%
0	339	1.387	1.387	0.000	0.00%	0.00%
0	1454	1.387	1.387	0.000	0.00%	0.00%
0	1633	1.384	1.384	0.000	0.00%	0.00%
0	848	1.387	1.387	0.000	0.00%	0.00%
0	1119	1.388	1.388	0.000	0.00%	0.00%
0	1042	1.384	1.384	0.000	0.00%	0.00%
0	441	1.386	1.386	0.000	0.00%	0.00%
0	203	1.389	1.389	0.000	0.00%	0.00%
0	119	1.389	1.389	0.000	0.00%	0.00%
6.08E+11	2519	1.386	1.385	0.001	0.09%	0.09%
6.08E+11	2667	1.377	1.386	-0.009	-0.66%	0.65%
6.08E+11	2339	1.387	1.387	0.000	0.01%	0.01%
6.08E+11	21454	1.387	1.390	-0.003	-0.19%	0.19%
6.08E+11	21633	1.384	1.387	-0.003	-0.18%	0.18%
6.08E+11	2848	1.387	1.390	-0.003	-0.22%	0.22%
6.08E+11	21119	1.388	1.390	-0.002	-0.14%	0.14%
6.08E+11	21042	1.384	1.389	-0.005	-0.37%	0.37%
6.08E+11	2441	1.386	1.389	-0.003	-0.20%	0.20%
6.08E+11	2203	1.389	1.392	-0.003	-0.21%	0.21%
6.08E+11	2119	1.389	1.392	-0.003	-0.19%	0.19%
	Max	1.389	1.392	0.001	0.09%	0.65%
	Average	1.386	1.387	-0.001	-0.10%	0.11%
	Min	1.377	1.377	-0.009	-0.66%	0.00%
	Std Dev	0.003	0.003	0.002	0.17%	0.16%



	14.0 DIG N.I. INPUT THOLD	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.197	V
Min Limit	0.803	V
NeutronFluence (e	0	6.08E+11
LL	0.803	0.803
Min	1.377	1.385
Average	1.386	1.389
Max	1.389	1.392
UL	2.197	2.197



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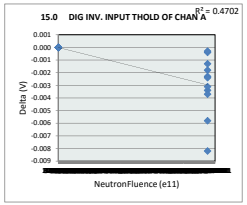
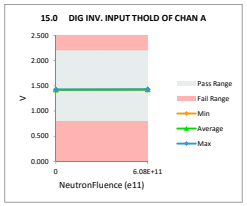
	15.0 DIG INV. INPUT THOLD	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.197	2.197
Min Limit	0.803	0.803

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.423	1.423	0.000	0.00%	0.00%
0	667	1.414	1.414	0.000	0.00%	0.00%
0	339	1.423	1.423	0.000	0.00%	0.00%
0	1454	1.423	1.423	0.000	0.00%	0.00%
0	1633	1.421	1.421	0.000	0.00%	0.00%
0	848	1.423	1.423	0.000	0.00%	0.00%
0	1119	1.425	1.425	0.000	0.00%	0.00%
0	1042	1.420	1.420	0.000	0.00%	0.00%
0	441	1.423	1.423	0.000	0.00%	0.00%
0	203	1.426	1.426	0.000	0.00%	0.00%
0	119	1.425	1.425	0.000	0.00%	0.00%
6.08E+11	2519	1.423	1.423	0.000	-0.03%	0.03%
6.08E+11	2667	1.414	1.423	-0.008	-0.58%	0.59%
6.08E+11	2339	1.423	1.423	0.000	-0.02%	0.02%
6.08E+11	21454	1.423	1.426	-0.003	-0.24%	0.24%
6.08E+11	21633	1.421	1.423	-0.002	-0.13%	0.13%
6.08E+11	2848	1.423	1.426	-0.002	-0.16%	0.16%
6.08E+11	21119	1.425	1.426	-0.001	-0.09%	0.09%
6.08E+11	21042	1.420	1.426	-0.006	-0.41%	0.42%
6.08E+11	2441	1.423	1.426	-0.003	-0.22%	0.22%
6.08E+11	2203	1.426	1.428	-0.002	-0.17%	0.17%
6.08E+11	2119	1.425	1.429	-0.004	-0.26%	0.27%
	Max	1.426	1.429	0.000	0.00%	0.59%
	Average	1.423	1.424	-0.001	-0.10%	0.11%
	Min	1.414	1.414	-0.008	-0.58%	0.00%
	Std Dev	0.003	0.003	0.002	0.16%	0.16%



	15.0 DIG INV. INPUT THOLD	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.197	V
Min Limit	0.803	V
NeutronFluence (e	0	6.08E+11
LL	0.803	0.803
Min	1.415	1.423
Average	1.423	1.425
Max	1.426	1.429
UL	2.197	2.197



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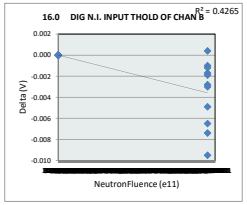
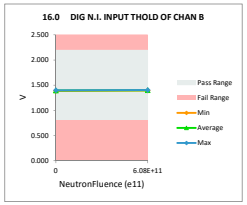
	16.0 DIG N.I. INPUT THOLD C	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.197	2.197
Min Limit	0.803	0.803

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.395	1.395	0.000	0.00%	0.00%
0	667	1.386	1.386	0.000	0.00%	0.00%
0	339	1.396	1.396	0.000	0.00%	0.00%
0	1454	1.395	1.395	0.000	0.00%	0.00%
0	1633	1.394	1.394	0.000	0.00%	0.00%
0	848	1.396	1.396	0.000	0.00%	0.00%
0	1119	1.397	1.397	0.000	0.00%	0.00%
0	1042	1.392	1.392	0.000	0.00%	0.00%
0	441	1.398	1.398	0.000	0.00%	0.00%
0	203	1.399	1.399	0.000	0.00%	0.00%
0	119	1.396	1.396	0.000	0.00%	0.00%
6.08E+11	2519	1.395	1.395	0.000	0.03%	0.03%
6.08E+11	2667	1.386	1.396	-0.009	-0.69%	0.68%
6.08E+11	2339	1.396	1.397	-0.001	-0.07%	0.07%
6.08E+11	21454	1.395	1.400	-0.005	-0.35%	0.35%
6.08E+11	21633	1.394	1.397	-0.003	-0.20%	0.20%
6.08E+11	2848	1.396	1.399	-0.003	-0.21%	0.22%
6.08E+11	21119	1.397	1.399	-0.002	-0.12%	0.12%
6.08E+11	21042	1.392	1.400	-0.007	-0.53%	0.53%
6.08E+11	2441	1.398	1.400	-0.002	-0.14%	0.14%
6.08E+11	2203	1.399	1.400	-0.001	-0.09%	0.09%
6.08E+11	2119	1.396	1.403	-0.007	-0.47%	0.47%
	Max	1.399	1.403	0.000	0.03%	0.68%
	Average	1.395	1.397	-0.002	-0.13%	0.13%
	Min	1.386	1.386	-0.009	-0.69%	0.00%
	Std Dev	0.003	0.003	0.003	0.20%	0.20%



	16.0 DIG N.I. INPUT THOLD	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.197	V
Min Limit	0.803	V
NeutronFluence (e	0	6.08E+11
LL	0.803	0.803
Min	1.386	1.395
Average	1.395	1.399
Max	1.399	1.403
UL	2.197	2.197



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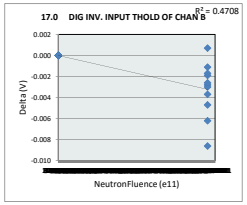
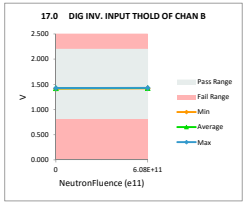
	17.0 DIG INV. INPUT THOLD	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	V	V
Max Limit	2.197	2.197
Min Limit	0.803	0.803

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	1.422	1.422	0.000	0.00%	0.00%
0	667	1.414	1.414	0.000	0.00%	0.00%
0	339	1.422	1.422	0.000	0.00%	0.00%
0	1454	1.423	1.423	0.000	0.00%	0.00%
0	1633	1.421	1.421	0.000	0.00%	0.00%
0	848	1.424	1.424	0.000	0.00%	0.00%
0	1119	1.425	1.425	0.000	0.00%	0.00%
0	1042	1.421	1.421	0.000	0.00%	0.00%
0	441	1.423	1.423	0.000	0.00%	0.00%
0	203	1.427	1.427	0.000	0.00%	0.00%
0	119	1.426	1.426	0.000	0.00%	0.00%
6.08E+11	2519	1.422	1.421	0.001	0.05%	0.05%
6.08E+11	2667	1.414	1.423	-0.009	-0.61%	0.62%
6.08E+11	2339	1.422	1.424	-0.002	-0.13%	0.14%
6.08E+11	21454	1.423	1.427	-0.004	-0.26%	0.27%
6.08E+11	21633	1.421	1.423	-0.002	-0.12%	0.12%
6.08E+11	2848	1.424	1.426	-0.003	-0.20%	0.20%
6.08E+11	21119	1.425	1.426	-0.001	-0.08%	0.08%
6.08E+11	21042	1.421	1.427	-0.006	-0.44%	0.44%
6.08E+11	2441	1.423	1.426	-0.003	-0.21%	0.22%
6.08E+11	2203	1.427	1.430	-0.003	-0.18%	0.19%
6.08E+11	2119	1.426	1.430	-0.005	-0.33%	0.34%
	Max	1.427	1.430	0.001	0.05%	0.62%
	Average	1.423	1.424	-0.002	-0.11%	0.12%
	Min	1.414	1.414	-0.009	-0.61%	0.00%
	Std Dev	0.003	0.003	0.002	0.17%	0.17%



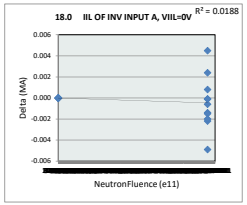
	17.0 DIG INV. INPUT THOLD	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	2.197	V
Min Limit	0.803	V
NeutronFluence (e	0	6.08E+11
LL	0.803	0.803
Min	1.414	1.421
Average	1.423	1.426
Max	1.427	1.430
UL	2.197	2.197



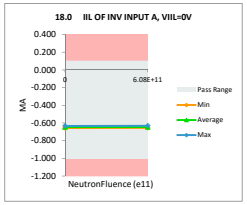
NDD Report
UC1707 NDD REPORT

	18.0 IIL OF INV INPUT A, VII	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	MA	MA
Max Limit	0.1	0.1
Min Limit	-0.998	-0.998

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	-0.651	-0.651	0.000	0.00%	0.00%
0	667	-0.650	-0.650	0.000	0.00%	0.00%
0	339	-0.648	-0.648	0.000	0.00%	0.00%
0	1454	-0.637	-0.637	0.000	0.00%	0.00%
0	1633	-0.653	-0.653	0.000	0.00%	0.00%
0	848	-0.651	-0.651	0.000	0.00%	0.00%
0	1119	-0.633	-0.633	0.000	0.00%	0.00%
0	1042	-0.650	-0.650	0.000	0.00%	0.00%
0	441	-0.656	-0.656	0.000	0.00%	0.00%
0	203	-0.638	-0.638	0.000	0.00%	0.00%
0	119	-0.646	-0.646	0.000	0.00%	0.00%
6.08E+11	2519	-0.651	-0.649	-0.001	0.22%	0.13%
6.08E+11	2667	-0.650	-0.650	0.000	0.02%	0.01%
6.08E+11	2339	-0.648	-0.649	0.001	-0.12%	0.07%
6.08E+11	21454	-0.637	-0.637	0.000	0.02%	0.01%
6.08E+11	21633	-0.653	-0.652	-0.002	0.23%	0.14%
6.08E+11	2848	-0.651	-0.649	-0.002	0.34%	0.20%
6.08E+11	21119	-0.633	-0.631	-0.002	0.32%	0.18%
6.08E+11	21042	-0.650	-0.652	0.002	-0.37%	0.22%
6.08E+11	2441	-0.656	-0.656	-0.001	0.09%	0.05%
6.08E+11	2203	-0.638	-0.633	-0.005	0.77%	0.45%
6.08E+11	2119	-0.646	-0.651	0.004	-0.70%	0.41%
	Max	-0.633	-0.631	0.004	0.77%	0.45%
	Average	-0.647	-0.646	0.000	0.04%	0.08%
	Min	-0.656	-0.656	-0.005	-0.70%	0.00%
	Std Dev	0.007	0.008	0.002	0.27%	0.13%



	18.0 IIL OF INV INPUT A, V	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.1	MA
Min Limit	-0.998	MA
NeutronFluence (e	0	6.08E+11
LL	-0.998	-0.998
Min	-0.656	-0.656
Average	-0.647	-0.646
Max	-0.633	-0.631
UL	0.100	0.100



NDD Report
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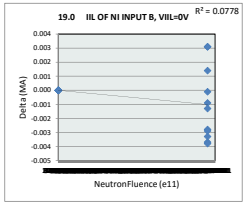
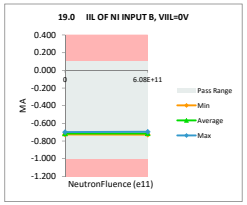
	19.0 IIL OF NI INPUT B, VIIL	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	MA	MA
Max Limit	0.1	0.1
Min Limit	-0.998	-0.998

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	-0.719	-0.719	0.000	0.00%	0.00%
0	667	-0.724	-0.724	0.000	0.00%	0.00%
0	339	-0.718	-0.718	0.000	0.00%	0.00%
0	1454	-0.704	-0.704	0.000	0.00%	0.00%
0	1633	-0.725	-0.725	0.000	0.00%	0.00%
0	848	-0.716	-0.716	0.000	0.00%	0.00%
0	1119	-0.699	-0.699	0.000	0.00%	0.00%
0	1042	-0.720	-0.720	0.000	0.00%	0.00%
0	441	-0.725	-0.725	0.000	0.00%	0.00%
0	203	-0.702	-0.702	0.000	0.00%	0.00%
0	119	-0.716	-0.716	0.000	0.00%	0.00%
6.08E+11	2519	-0.719	-0.716	-0.003	0.46%	0.30%
6.08E+11	2667	-0.724	-0.724	-0.001	0.12%	0.08%
6.08E+11	2339	-0.718	-0.718	0.000	0.01%	0.01%
6.08E+11	21454	-0.704	-0.703	-0.001	0.18%	0.12%
6.08E+11	21633	-0.725	-0.722	-0.003	0.39%	0.26%
6.08E+11	2848	-0.716	-0.713	-0.004	0.52%	0.34%
6.08E+11	21119	-0.699	-0.696	-0.004	0.54%	0.35%
6.08E+11	21042	-0.720	-0.721	0.001	-0.19%	0.13%
6.08E+11	2441	-0.725	-0.728	0.003	-0.43%	0.28%
6.08E+11	2203	-0.702	-0.700	-0.003	0.41%	0.26%
6.08E+11	2119	-0.716	-0.720	0.003	-0.43%	0.28%
	Max	-0.699	-0.696	0.003	0.54%	0.35%
	Average	-0.715	-0.715	-0.001	0.07%	0.11%
	Min	-0.725	-0.728	-0.004	-0.43%	0.00%
	Std Dev	0.009	0.010	0.002	0.26%	0.14%



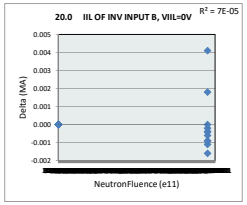
	19.0 IIL OF NI INPUT B, VI	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.1	MA
Min Limit	-0.998	MA
NeutronFluence (e	0	6.08E+11
LL	-0.998	-0.998
Min	-0.725	-0.728
Average	-0.715	-0.714
Max	-0.699	-0.696
UL	0.100	0.100



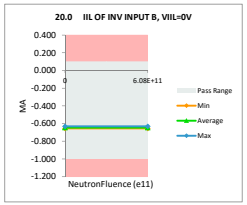
NDD Report
UC1707 NDD REPORT

		20.0 IIL OF INV INPUT B, VII	
	Test Site	CLAB	CLAB
	Tester	LTX	LTX
	Test Number	XPM22800	XPM22800
	Unit	MA	MA
	Max Limit	0.1	0.1
	Min Limit	-0.998	-0.998

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	-0.649	-0.649	0.000	0.00%	0.00%
0	667	-0.655	-0.655	0.000	0.00%	0.00%
0	339	-0.649	-0.649	0.000	0.00%	0.00%
0	1454	-0.638	-0.638	0.000	0.00%	0.00%
0	1633	-0.651	-0.651	0.000	0.00%	0.00%
0	848	-0.646	-0.646	0.000	0.00%	0.00%
0	1119	-0.631	-0.631	0.000	0.00%	0.00%
0	1042	-0.652	-0.652	0.000	0.00%	0.00%
0	441	-0.653	-0.653	0.000	0.00%	0.00%
0	203	-0.633	-0.633	0.000	0.00%	0.00%
0	119	-0.647	-0.647	0.000	0.00%	0.00%
6.08E+11	2519	-0.649	-0.648	-0.001	0.14%	0.08%
6.08E+11	2667	-0.655	-0.654	0.000	0.06%	0.04%
6.08E+11	2339	-0.649	-0.653	0.004	-0.63%	0.37%
6.08E+11	21454	-0.638	-0.638	0.000	0.06%	0.04%
6.08E+11	21633	-0.651	-0.651	0.000	0.03%	0.02%
6.08E+11	2848	-0.646	-0.644	-0.002	0.25%	0.15%
6.08E+11	21119	-0.631	-0.631	0.000	0.00%	0.00%
6.08E+11	21042	-0.652	-0.651	-0.001	0.17%	0.10%
6.08E+11	2441	-0.653	-0.655	0.002	-0.28%	0.16%
6.08E+11	2203	-0.633	-0.632	-0.001	0.09%	0.05%
6.08E+11	2119	-0.647	-0.646	-0.001	0.14%	0.08%
	Max	-0.631	-0.631	0.004	0.25%	0.37%
	Average	-0.646	-0.646	0.000	0.00%	0.05%
	Min	-0.655	-0.655	-0.002	-0.63%	0.00%
	Std Dev	0.008	0.008	0.001	0.17%	0.09%



	20.0 IIL OF INV INPUT B, V	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.1	MA
Min Limit	-0.998	MA
NeutronFluence (e	0	6.08E+11
LL	-0.998	-0.998
Min	-0.655	-0.655
Average	-0.646	-0.646
Max	-0.631	-0.631
UL	0.100	0.100



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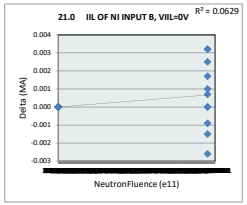
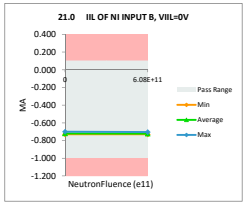
		21.0 IIL OF NI INPUT B, VIIL	
	Test Site	CLAB	CLAB
	Tester	LTX	LTX
	Test Number	XPM22800	XPM22800
	Unit	MA	MA
	Max Limit	0.1	0.1
	Min Limit	-0.998	-0.998

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	-0.729	-0.729	0.000	0.00%	0.00%
0	667	-0.728	-0.728	0.000	0.00%	0.00%
0	339	-0.725	-0.725	0.000	0.00%	0.00%
0	1454	-0.713	-0.713	0.000	0.00%	0.00%
0	1633	-0.727	-0.727	0.000	0.00%	0.00%
0	848	-0.720	-0.720	0.000	0.00%	0.00%
0	1119	-0.700	-0.700	0.000	0.00%	0.00%
0	1042	-0.725	-0.725	0.000	0.00%	0.00%
0	441	-0.729	-0.729	0.000	0.00%	0.00%
0	203	-0.704	-0.704	0.000	0.00%	0.00%
0	119	-0.724	-0.724	0.000	0.00%	0.00%
6.08E+11	2519	-0.729	-0.729	0.000	0.00%	0.00%
6.08E+11	2667	-0.728	-0.730	0.002	-0.23%	0.15%
6.08E+11	2339	-0.725	-0.722	-0.003	0.36%	0.24%
6.08E+11	21454	-0.713	-0.714	0.001	-0.10%	0.06%
6.08E+11	21633	-0.727	-0.728	0.001	-0.14%	0.09%
6.08E+11	2848	-0.720	-0.723	0.003	-0.44%	0.29%
6.08E+11	21119	-0.700	-0.703	0.003	-0.46%	0.29%
6.08E+11	21042	-0.725	-0.723	-0.001	0.21%	0.14%
6.08E+11	2441	-0.729	-0.729	0.000	0.00%	0.00%
6.08E+11	2203	-0.704	-0.706	0.002	-0.36%	0.23%
6.08E+11	2119	-0.724	-0.723	-0.001	0.12%	0.08%
	Max	-0.700	-0.700	0.003	0.36%	0.29%
	Average	-0.720	-0.721	0.000	-0.05%	0.07%
	Min	-0.729	-0.730	-0.003	-0.46%	0.00%
	Std Dev	0.010	0.009	0.001	0.19%	0.10%



	21.0 IIL OF NI INPUT B, VI	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.1	MA
Min Limit	-0.998	MA
NeutronFluence (e	0	6.08E+11
LL	-0.998	-0.998
Min	-0.730	-0.730
Average	-0.720	-0.721
Max	-0.700	-0.703
UL	0.100	0.100



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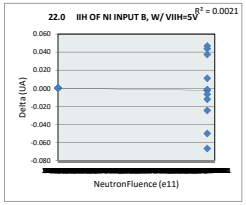
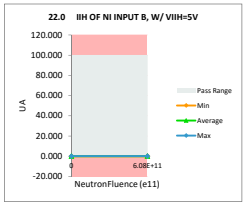
	22.0 IIH OF NI INPUT B, W/ V	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	UA	UA
Max Limit	99.9	99.9
Min Limit	-1	-1

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.014	0.014	0.000	0.00%	0.00%
0	667	0.093	0.093	0.000	0.00%	0.00%
0	339	0.058	0.058	0.000	0.00%	0.00%
0	1454	0.073	0.073	0.000	0.00%	0.00%
0	1633	0.023	0.023	0.000	0.00%	0.00%
0	848	0.078	0.078	0.000	0.00%	0.00%
0	1119	0.020	0.020	0.000	0.00%	0.00%
0	1042	0.090	0.090	0.000	0.00%	0.00%
0	441	0.012	0.012	0.000	0.00%	0.00%
0	203	0.013	0.013	0.000	0.00%	0.00%
0	119	0.068	0.068	0.000	0.00%	0.00%
6.08E+11	2519	0.014	0.064	-0.050	-361.15%	0.05%
6.08E+11	2667	0.093	0.095	-0.002	-2.70%	0.00%
6.08E+11	2339	0.058	0.083	-0.025	-42.05%	0.02%
6.08E+11	21454	0.073	0.062	0.011	15.12%	0.01%
6.08E+11	21633	0.023	0.036	-0.012	-51.71%	0.01%
6.08E+11	2848	0.078	0.031	0.047	60.44%	0.05%
6.08E+11	21119	0.020	0.022	-0.001	-6.86%	0.00%
6.08E+11	21042	0.090	0.046	0.044	48.72%	0.04%
6.08E+11	2441	0.012	0.019	-0.007	-55.37%	0.01%
6.08E+11	2203	0.013	0.079	-0.067	-525.98%	0.07%
6.08E+11	2119	0.068	0.031	0.037	54.92%	0.04%
	Max	0.093	0.095	0.047	60.44%	0.07%
	Average	0.049	0.050	-0.001	-39.39%	0.01%
	Min	0.012	0.012	-0.067	-525.98%	0.00%
	Std Dev	0.032	0.029	0.025	136.24%	0.02%



	22.0 IIH OF NI INPUT B, W	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	99.9	UA
Min Limit	-1	UA
NeutronFluence (e	0	6.08E+11
LL	-1.000	-1.000
Min	0.012	0.019
Average	0.049	0.052
Max	0.093	0.095
UL	99.900	99.900



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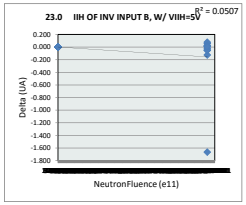
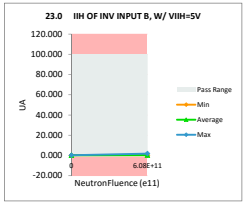
	23.0 IIH OF INV INPUT B, W/	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	UA	UA
Max Limit	99.9	99.9
Min Limit	-1	-1

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.231	0.231	0.000	0.00%	0.00%
0	667	0.293	0.293	0.000	0.00%	0.00%
0	339	0.179	0.179	0.000	0.00%	0.00%
0	1454	0.225	0.225	0.000	0.00%	0.00%
0	1633	0.249	0.249	0.000	0.00%	0.00%
0	848	0.244	0.244	0.000	0.00%	0.00%
0	1119	0.232	0.232	0.000	0.00%	0.00%
0	1042	0.276	0.276	0.000	0.00%	0.00%
0	441	0.164	0.164	0.000	0.00%	0.00%
0	203	0.159	0.159	0.000	0.00%	0.00%
0	119	0.213	0.213	0.000	0.00%	0.00%
6.08E+11	2519	0.231	1.894	-1.664	-721.42%	1.65%
6.08E+11	2667	0.293	0.238	0.055	18.73%	0.05%
6.08E+11	2339	0.179	0.303	-0.124	-69.35%	0.12%
6.08E+11	21454	0.225	0.253	-0.027	-12.16%	0.03%
6.08E+11	21633	0.249	0.171	0.078	31.31%	0.08%
6.08E+11	2848	0.244	0.221	0.023	9.50%	0.02%
6.08E+11	21119	0.232	0.209	0.023	9.98%	0.02%
6.08E+11	21042	0.276	0.266	0.010	3.48%	0.01%
6.08E+11	2441	0.164	0.215	-0.050	-30.46%	0.05%
6.08E+11	2203	0.159	0.209	-0.051	-31.99%	0.05%
6.08E+11	2119	0.213	0.209	0.003	1.60%	0.00%
	Max	0.293	1.894	0.078	31.31%	1.65%
	Average	0.224	0.302	-0.078	-35.94%	0.09%
	Min	0.159	0.159	-1.664	-721.42%	0.00%
	Std Dev	0.042	0.358	0.356	154.38%	0.35%



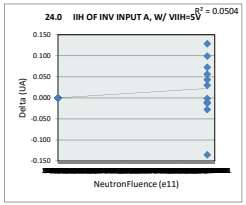
	23.0 IIH OF INV INPUT B, W
Test Site	CLAB
Tester	LTX
Test Number	XPM22800
Max Limit	99.9
Min Limit	-1
NeutronFluence (e	0
LL	-1.000
Min	0.159
Average	0.224
Max	0.293
UL	99.900

	6.08E+11
	-1.000
	0.171
	0.381
	1.894
	99.900

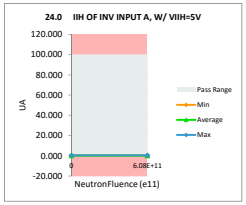


NDD Report
UC1707 NDD REPORT

		24.0 IIH OF INV INPUT A, W/	
	Test Site	CLAB	CLAB
	Tester	LTX	LTX
	Test Number	XPM22800	XPM22800
	Unit	UA	UA
	Max Limit	99.9	99.9
	Min Limit	-1	-1
NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.266	0.266	0.000	0.00%	0.00%
0	667	0.337	0.337	0.000	0.00%	0.00%
0	339	0.253	0.253	0.000	0.00%	0.00%
0	1454	0.159	0.159	0.000	0.00%	0.00%
0	1633	0.293	0.293	0.000	0.00%	0.00%
0	848	0.287	0.287	0.000	0.00%	0.00%
0	1119	0.273	0.273	0.000	0.00%	0.00%
0	1042	0.186	0.186	0.000	0.00%	0.00%
0	441	0.261	0.261	0.000	0.00%	0.00%
0	203	0.336	0.336	0.000	0.00%	0.00%
0	119	0.194	0.194	0.000	0.00%	0.00%
6.08E+11	2519	0.266	0.236	0.030	11.41%	0.03%
6.08E+11	2667	0.337	0.238	0.100	29.50%	0.10%
6.08E+11	2339	0.253	0.255	-0.001	-0.47%	0.00%
6.08E+11	21454	0.159	0.169	-0.010	-6.43%	0.01%
6.08E+11	21633	0.293	0.221	0.073	24.80%	0.07%
6.08E+11	2848	0.287	0.243	0.043	15.14%	0.04%
6.08E+11	21119	0.273	0.216	0.057	20.73%	0.06%
6.08E+11	21042	0.186	0.321	-0.135	-72.28%	0.13%
6.08E+11	2441	0.261	0.289	-0.028	-10.54%	0.03%
6.08E+11	2203	0.336	0.207	0.129	38.36%	0.13%
6.08E+11	2119	0.194	0.207	-0.013	-6.43%	0.01%
	Max	0.337	0.337	0.129	38.36%	0.13%
	Average	0.259	0.248	0.011	1.99%	0.03%
	Min	0.159	0.159	-0.135	-72.28%	0.00%
	Std Dev	0.057	0.051	0.051	20.79%	0.04%



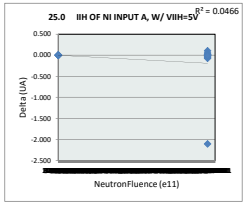
	24.0 IIH OF INV INPUT A, W	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	99.9	UA
Min Limit	-1	UA
NeutronFluence (e	0	6.08E+11
LL	-1.000	-1.000
Min	0.159	0.169
Average	0.259	0.236
Max	0.337	0.321
UL	99.900	99.900



NDD Report
UC1707 NDD REPORT

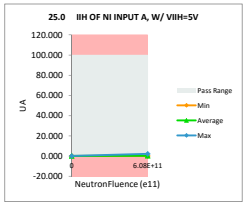
	25.0 IIH OF NI INPUT A, W/ V
Test Site	CLAB
Tester	LTX
Test Number	XPM22800
Unit	UA
Max Limit	99.9
Min Limit	-1

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	0.156	0.156	0.000	0.00%	0.00%
0	667	0.242	0.242	0.000	0.00%	0.00%
0	339	0.231	0.231	0.000	0.00%	0.00%
0	1454	0.166	0.166	0.000	0.00%	0.00%
0	1633	0.231	0.231	0.000	0.00%	0.00%
0	848	0.206	0.206	0.000	0.00%	0.00%
0	1119	0.209	0.209	0.000	0.00%	0.00%
0	1042	0.168	0.168	0.000	0.00%	0.00%
0	441	0.231	0.231	0.000	0.00%	0.00%
0	203	0.160	0.160	0.000	0.00%	0.00%
0	119	0.216	0.216	0.000	0.00%	0.00%
6.08E+11	2519	0.156	2.264	-2.108	-1349.62%	2.09%
6.08E+11	2667	0.242	0.136	0.106	43.76%	0.10%
6.08E+11	2339	0.231	0.178	0.052	22.64%	0.05%
6.08E+11	21454	0.166	0.169	-0.003	-1.81%	0.00%
6.08E+11	21633	0.231	0.227	0.004	1.78%	0.00%
6.08E+11	2848	0.206	0.196	0.010	4.86%	0.01%
6.08E+11	21119	0.209	0.197	0.012	5.98%	0.01%
6.08E+11	21042	0.168	0.243	-0.075	-44.68%	0.07%
6.08E+11	2441	0.231	0.283	-0.053	-22.77%	0.05%
6.08E+11	2203	0.160	0.183	-0.023	-14.59%	0.02%
6.08E+11	2119	0.216	0.231	-0.015	-6.89%	0.01%
	Max	0.242	2.264	0.106	43.76%	2.09%
	Average	0.201	0.296	-0.095	-61.88%	0.11%
	Min	0.156	0.136	-2.108	-1349.62%	0.00%
	Std Dev	0.032	0.441	0.451	288.06%	0.44%



	25.0 IIH OF NI INPUT A, W
Test Site	CLAB
Tester	LTX
Test Number	XPM22800
Max Limit	99.9
Min Limit	-1
NeutronFluence (e	0
LL	-1.000
Min	0.156
Average	0.201
Max	0.242
UL	99.900

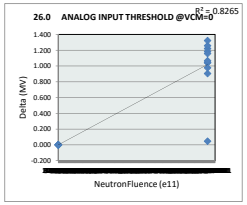
	UA
	-1
	6.08E+11
	-1.000
	0.136
	0.392
	2.264
	99.900



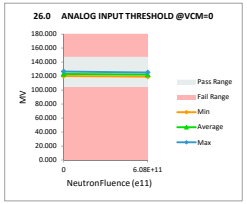
NDD Report
UC1707 NDD REPORT

	26.0 ANALOG INPUT THRESH	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	MV	MV
Max Limit	147	147
Min Limit	103	103

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	125.585	125.585	0.000	0.00%	0.00%
0	667	123.141	123.141	0.000	0.00%	0.00%
0	339	120.787	120.787	0.000	0.00%	0.00%
0	1454	126.064	126.064	0.000	0.00%	0.00%
0	1633	120.096	120.096	0.000	0.00%	0.00%
0	848	121.086	121.086	0.000	0.00%	0.00%
0	1119	122.242	122.242	0.000	0.00%	0.00%
0	1042	126.395	126.395	0.000	0.00%	0.00%
0	441	125.199	125.199	0.000	0.00%	0.00%
0	203	122.239	122.239	0.000	0.00%	0.00%
0	119	121.074	121.074	0.000	0.00%	0.00%
6.08E+11	2519	125.585	124.400	1.185	0.94%	2.69%
6.08E+11	2667	123.141	121.920	1.221	0.99%	2.78%
6.08E+11	2339	120.787	119.745	1.042	0.86%	2.37%
6.08E+11	21454	126.064	124.906	1.159	0.92%	2.63%
6.08E+11	21633	120.096	119.192	0.904	0.75%	2.05%
6.08E+11	2848	121.086	119.829	1.257	1.04%	2.86%
6.08E+11	21119	122.242	121.196	1.046	0.86%	2.38%
6.08E+11	21042	126.395	125.073	1.322	1.05%	3.01%
6.08E+11	2441	125.199	124.222	0.977	0.78%	2.22%
6.08E+11	2203	122.239	122.193	0.046	0.04%	0.10%
6.08E+11	2119	121.074	120.007	1.066	0.88%	2.42%
	Max	126.395	126.395	1.322	1.05%	3.01%
	Average	123.083	122.572	0.510	0.41%	1.16%
	Min	120.096	119.192	0.000	0.00%	0.00%
	Std Dev	2.273	2.297	0.574	0.47%	1.31%



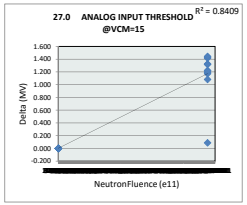
	26.0 ANALOG INPUT THRES	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	147	MV
Min Limit	103	MV
NeutronFluence (e	0	6.08E+11
LL	103.000	103.000
Min	120.096	119.192
Average	123.083	122.062
Max	126.395	125.073
UL	147.000	147.000



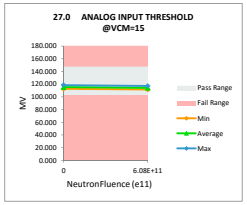
NDD Report
UC1707 NDD REPORT

	27.0 ANALOG INPUT THRESH	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	MV	MV
Max Limit	147	147
Min Limit	103	103

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	117.608	117.608	0.000	0.00%	0.00%
0	667	115.376	115.376	0.000	0.00%	0.00%
0	339	113.204	113.204	0.000	0.00%	0.00%
0	1454	118.092	118.092	0.000	0.00%	0.00%
0	1633	112.604	112.604	0.000	0.00%	0.00%
0	848	113.612	113.612	0.000	0.00%	0.00%
0	1119	114.601	114.601	0.000	0.00%	0.00%
0	1042	118.514	118.514	0.000	0.00%	0.00%
0	441	117.303	117.303	0.000	0.00%	0.00%
0	203	114.670	114.670	0.000	0.00%	0.00%
0	119	113.568	113.568	0.000	0.00%	0.00%
6.08E+11	2519	117.608	116.283	1.325	1.13%	3.01%
6.08E+11	2667	115.376	113.959	1.417	1.23%	3.22%
6.08E+11	2339	113.204	112.032	1.172	1.04%	2.66%
6.08E+11	21454	118.092	116.774	1.318	1.12%	3.00%
6.08E+11	21633	112.604	111.523	1.082	0.96%	2.46%
6.08E+11	2848	113.612	112.181	1.431	1.26%	3.25%
6.08E+11	21119	114.601	113.377	1.224	1.07%	2.78%
6.08E+11	21042	118.514	117.069	1.445	1.22%	3.28%
6.08E+11	2441	117.303	116.113	1.190	1.01%	2.70%
6.08E+11	2203	114.670	114.581	0.089	0.08%	0.20%
6.08E+11	2119	113.568	112.352	1.216	1.07%	2.76%
	Max	118.514	118.514	1.445	1.26%	3.28%
	Average	115.377	114.791	0.587	0.51%	1.33%
	Min	112.604	111.523	0.000	0.00%	0.00%
	Std Dev	2.089	2.143	0.655	0.57%	1.49%



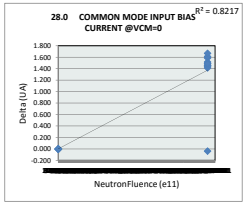
	27.0 ANALOG INPUT THRES	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	147	MV
Min Limit	103	MV
NeutronFluence (e	0	6.08E+11
LL	103.000	103.000
Min	112.604	111.523
Average	115.378	114.204
Max	118.514	117.069
UL	147.000	147.000



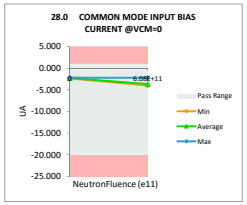
NDD Report
UC1707 NDD REPORT

	28.0 COMMON MODE INPUT B	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	UA	UA
Max Limit	0.95	0.95
Min Limit	-19.95	-19.95

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	-2.257	-2.257	0.000	0.00%	0.00%
0	667	-2.346	-2.346	0.000	0.00%	0.00%
0	339	-2.190	-2.190	0.000	0.00%	0.00%
0	1454	-2.259	-2.259	0.000	0.00%	0.00%
0	1633	-2.233	-2.233	0.000	0.00%	0.00%
0	848	-2.271	-2.271	0.000	0.00%	0.00%
0	1119	-2.261	-2.261	0.000	0.00%	0.00%
0	1042	-2.302	-2.302	0.000	0.00%	0.00%
0	441	-2.383	-2.383	0.000	0.00%	0.00%
0	203	-2.274	-2.274	0.000	0.00%	0.00%
0	119	-2.236	-2.236	0.000	0.00%	0.00%
6.08E+11	2519	-2.257	-3.775	1.518	-67.27%	7.26%
6.08E+11	2667	-2.346	-3.802	1.455	-62.01%	6.96%
6.08E+11	2339	-2.190	-3.606	1.416	-64.64%	6.77%
6.08E+11	21454	-2.259	-3.718	1.459	-64.58%	6.98%
6.08E+11	21633	-2.233	-3.678	1.444	-64.67%	6.91%
6.08E+11	2848	-2.271	-3.760	1.488	-65.52%	7.12%
6.08E+11	21119	-2.261	-3.755	1.494	-66.05%	7.15%
6.08E+11	21042	-2.302	-3.892	1.589	-69.03%	7.60%
6.08E+11	2441	-2.383	-3.995	1.612	-67.66%	7.71%
6.08E+11	2203	-2.274	-2.236	-0.037	1.65%	0.18%
6.08E+11	2119	-2.236	-3.904	1.668	-74.62%	7.98%
	Max	-2.190	-2.190	1.668	1.65%	7.98%
	Average	-2.274	-2.961	0.687	-30.20%	3.30%
	Min	-2.383	-3.995	-0.037	-74.62%	0.00%
	Std Dev	0.052	0.778	0.775	34.09%	3.69%



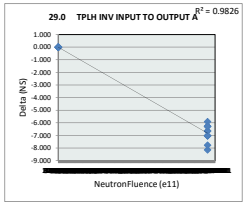
	28.0 COMMON MODE INPUT	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	0.95	UA
Min Limit	-19.95	UA
NeutronFluence (e	0	6.08E+11
LL	-19.950	-19.950
Min	-2.383	-3.995
Average	-2.274	-3.647
Max	-2.190	-2.236
UL	0.950	0.950



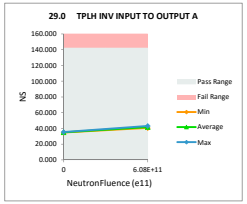
NDD Report
UC1707 NDD REPORT

	29.0 TPLH INV INPUT TO OUT	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	142	142
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	35.072	35.072	0.000	0.00%	0.00%
0	667	34.700	34.700	0.000	0.00%	0.00%
0	339	34.700	34.700	0.000	0.00%	0.00%
0	1454	35.072	35.072	0.000	0.00%	0.00%
0	1633	35.444	35.444	0.000	0.00%	0.00%
0	848	35.072	35.072	0.000	0.00%	0.00%
0	1119	34.700	34.700	0.000	0.00%	0.00%
0	1042	34.700	34.700	0.000	0.00%	0.00%
0	441	34.700	34.700	0.000	0.00%	0.00%
0	203	35.444	35.444	0.000	0.00%	0.00%
0	119	35.072	35.072	0.000	0.00%	0.00%
6.08E+11	2519	35.072	43.216	-8.144	-23.22%	5.74%
6.08E+11	2667	34.700	40.608	-5.907	-17.02%	4.16%
6.08E+11	2339	34.700	41.353	-6.653	-19.17%	4.69%
6.08E+11	21454	35.072	41.353	-6.281	-17.91%	4.42%
6.08E+11	21633	35.444	42.471	-7.027	-19.82%	4.95%
6.08E+11	2848	35.072	42.098	-7.026	-20.03%	4.95%
6.08E+11	21119	34.700	42.471	-7.771	-22.39%	5.47%
6.08E+11	21042	34.700	41.353	-6.653	-19.17%	4.69%
6.08E+11	2441	34.700	40.980	-6.280	-18.10%	4.42%
6.08E+11	2203	35.444	42.471	-7.027	-19.82%	4.95%
6.08E+11	2119	35.072	41.353	-6.281	-17.91%	4.42%
	Max	35.444	43.216	0.000	0.00%	5.74%
	Average	34.971	38.382	-3.411	-9.75%	2.40%
	Min	34.700	34.700	-8.144	-23.22%	0.00%
	Std Dev	0.285	3.540	3.522	10.07%	2.48%



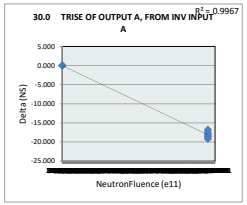
	29.0 TPLH INV INPUT TO OU	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	142	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	34.700	40.608
Average	34.971	41.793
Max	35.444	43.216
UL	142.000	142.000



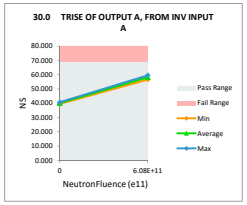
NDD Report
UC1707 NDD REPORT

	30.0 TRISE OF OUTPUT A, FR
Test Site	CLAB
Tester	LTX
Test Number	XPM22800
Unit	NS
Max Limit	68.5
Min Limit	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	40.056	40.056	0.000	0.00%	0.00%
0	667	39.481	39.481	0.000	0.00%	0.00%
0	339	39.864	39.864	0.000	0.00%	0.00%
0	1454	40.439	40.439	0.000	0.00%	0.00%
0	1633	40.056	40.056	0.000	0.00%	0.00%
0	848	40.056	40.056	0.000	0.00%	0.00%
0	1119	40.439	40.439	0.000	0.00%	0.00%
0	1042	39.864	39.864	0.000	0.00%	0.00%
0	441	39.672	39.672	0.000	0.00%	0.00%
0	203	40.630	40.630	0.000	0.00%	0.00%
0	119	40.056	40.056	0.000	0.00%	0.00%
6.08E+11	2519	40.056	58.695	-18.640	-46.53%	27.21%
6.08E+11	2667	39.481	56.588	-17.107	-43.33%	24.97%
6.08E+11	2339	39.864	58.121	-18.257	-45.80%	26.65%
6.08E+11	21454	40.439	59.462	-19.023	-47.04%	27.77%
6.08E+11	21633	40.056	57.737	-17.682	-44.14%	25.81%
6.08E+11	2848	40.056	57.929	-17.874	-44.62%	26.09%
6.08E+11	21119	40.439	58.887	-18.448	-45.62%	26.93%
6.08E+11	21042	39.864	58.312	-18.448	-46.28%	26.93%
6.08E+11	2441	39.672	58.887	-19.215	-48.43%	28.05%
6.08E+11	2203	40.630	58.312	-17.682	-43.52%	25.81%
6.08E+11	2119	40.056	56.780	-16.724	-41.75%	24.41%
	Max	40.630	59.462	0.000	0.00%	28.05%
	Average	40.056	49.106	-9.050	-22.59%	13.21%
	Min	39.481	39.481	-19.215	-48.43%	0.00%
	Std Dev	0.334	9.286	9.278	23.16%	13.54%



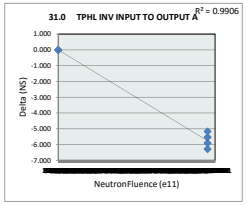
	30.0 TRISE OF OUTPUT A, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	39.481	56.588
Average	40.056	58.156
Max	40.630	59.462
UL	68.500	68.500



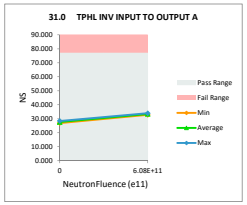
NDD Report
UC1707 NDD REPORT

	31.0 TPHL INV INPUT TO OUT	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	77	77
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	27.653	27.653	0.000	0.00%	0.00%
0	667	27.281	27.281	0.000	0.00%	0.00%
0	339	27.281	27.281	0.000	0.00%	0.00%
0	1454	28.025	28.025	0.000	0.00%	0.00%
0	1633	27.653	27.653	0.000	0.00%	0.00%
0	848	27.653	27.653	0.000	0.00%	0.00%
0	1119	28.397	28.397	0.000	0.00%	0.00%
0	1042	26.909	26.909	0.000	0.00%	0.00%
0	441	26.909	26.909	0.000	0.00%	0.00%
0	203	28.397	28.397	0.000	0.00%	0.00%
0	119	28.025	28.025	0.000	0.00%	0.00%
6.08E+11	2519	27.653	33.181	-5.528	-19.99%	7.18%
6.08E+11	2667	27.281	33.181	-5.900	-21.63%	7.66%
6.08E+11	2339	27.281	32.809	-5.528	-20.26%	7.18%
6.08E+11	21454	28.025	33.926	-5.902	-21.06%	7.66%
6.08E+11	21633	27.653	33.926	-6.274	-22.69%	8.15%
6.08E+11	2848	27.653	33.926	-6.274	-22.69%	8.15%
6.08E+11	21119	28.397	33.926	-5.530	-19.47%	7.18%
6.08E+11	21042	26.909	33.181	-6.272	-23.31%	8.15%
6.08E+11	2441	26.909	32.809	-5.900	-21.93%	7.66%
6.08E+11	2203	28.397	33.554	-5.157	-18.16%	6.70%
6.08E+11	2119	28.025	33.181	-5.157	-18.40%	6.70%
	Max	28.397	33.926	0.000	0.00%	8.15%
	Average	27.653	30.536	-2.883	-10.44%	3.74%
	Min	26.909	26.909	-6.274	-23.31%	0.00%
	Std Dev	0.513	2.989	2.965	10.75%	3.85%



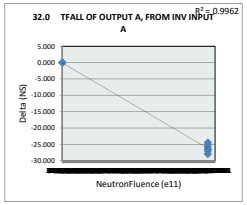
	31.0 TPHL INV INPUT TO OU	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	77	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	26.909	32.809
Average	27.653	33.418
Max	28.397	33.927
UL	77.000	77.000



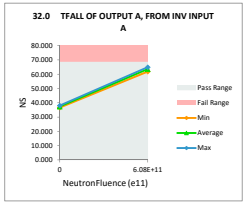
NDD Report
UC1707 NDD REPORT

	32.0 TFALL OF OUTPUT A, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	37.462	37.462	0.000	0.00%	0.00%
0	667	36.695	36.695	0.000	0.00%	0.00%
0	339	37.078	37.078	0.000	0.00%	0.00%
0	1454	37.845	37.845	0.000	0.00%	0.00%
0	1633	37.078	37.078	0.000	0.00%	0.00%
0	848	37.270	37.270	0.000	0.00%	0.00%
0	1119	38.036	38.036	0.000	0.00%	0.00%
0	1042	36.887	36.887	0.000	0.00%	0.00%
0	441	36.887	36.887	0.000	0.00%	0.00%
0	203	38.036	38.036	0.000	0.00%	0.00%
0	119	37.270	37.270	0.000	0.00%	0.00%
6.08E+11	2519	37.462	64.531	-27.069	-72.26%	39.52%
6.08E+11	2667	36.695	61.849	-25.153	-68.55%	36.72%
6.08E+11	2339	37.078	63.573	-26.494	-71.45%	38.68%
6.08E+11	21454	37.845	64.147	-26.303	-69.50%	38.40%
6.08E+11	21633	37.078	64.914	-27.835	-75.07%	40.64%
6.08E+11	2848	37.270	63.764	-26.494	-71.09%	38.68%
6.08E+11	21119	38.036	62.423	-24.387	-64.11%	35.60%
6.08E+11	21042	36.887	64.914	-28.027	-75.98%	40.92%
6.08E+11	2441	36.887	62.615	-25.728	-69.75%	37.56%
6.08E+11	2203	38.036	64.722	-26.686	-70.16%	38.96%
6.08E+11	2119	37.270	61.849	-24.579	-65.95%	35.88%
	Max	38.036	64.914	0.000	0.00%	40.92%
	Average	37.322	50.448	-13.125	-35.18%	19.16%
	Min	36.695	36.695	-28.027	-75.98%	0.00%
	Std Dev	0.459	13.463	13.460	36.08%	19.65%



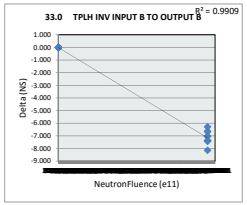
	32.0 TFALL OF OUTPUT A, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	36.695	61.849
Average	37.322	63.573
Max	38.036	64.914
UL	68.500	68.500



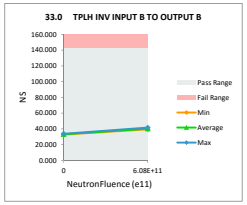
NDD Report
UC1707 NDD REPORT

	33.0 TPLH INV INPUT B TO O	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	142	142
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	33.444	33.444	0.000	0.00%	0.00%
0	667	33.072	33.072	0.000	0.00%	0.00%
0	339	33.072	33.072	0.000	0.00%	0.00%
0	1454	33.444	33.444	0.000	0.00%	0.00%
0	1633	33.816	33.816	0.000	0.00%	0.00%
0	848	33.444	33.444	0.000	0.00%	0.00%
0	1119	33.072	33.072	0.000	0.00%	0.00%
0	1042	32.700	32.700	0.000	0.00%	0.00%
0	441	32.700	32.700	0.000	0.00%	0.00%
0	203	33.072	33.072	0.000	0.00%	0.00%
0	119	33.072	33.072	0.000	0.00%	0.00%
6.08E+11	2519	33.444	40.471	-7.027	-21.01%	4.95%
6.08E+11	2667	33.072	40.471	-7.399	-22.37%	5.21%
6.08E+11	2339	33.072	39.353	-6.281	-18.99%	4.42%
6.08E+11	21454	33.444	41.589	-8.145	-24.35%	5.74%
6.08E+11	21633	33.816	41.216	-7.400	-21.88%	5.21%
6.08E+11	2848	33.444	40.098	-6.654	-19.90%	4.69%
6.08E+11	21119	33.072	40.471	-7.399	-22.37%	5.21%
6.08E+11	21042	32.700	39.353	-6.653	-20.34%	4.69%
6.08E+11	2441	32.700	40.098	-7.398	-22.62%	5.21%
6.08E+11	2203	33.072	40.471	-7.399	-22.37%	5.21%
6.08E+11	2119	33.072	40.098	-7.026	-21.24%	4.95%
	Max	33.816	41.589	0.000	0.00%	5.74%
	Average	33.174	36.755	-3.581	-10.79%	2.52%
	Min	32.700	32.700	-8.145	-24.35%	0.00%
	Std Dev	0.328	3.702	3.682	11.10%	2.59%



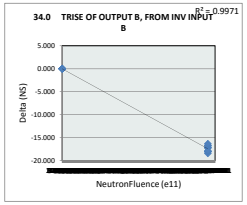
	33.0 TPLH INV INPUT B TO	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	142	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	32.700	39.353
Average	33.174	40.335
Max	33.816	41.589
UL	142.000	142.000



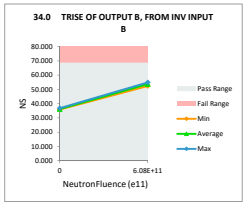
NDD Report
UC1707 NDD REPORT

	34.0 TRISE OF OUTPUT B, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	36.239	36.239	0.000	0.00%	0.00%
0	667	35.856	35.856	0.000	0.00%	0.00%
0	339	35.856	35.856	0.000	0.00%	0.00%
0	1454	36.813	36.813	0.000	0.00%	0.00%
0	1633	35.856	35.856	0.000	0.00%	0.00%
0	848	36.047	36.047	0.000	0.00%	0.00%
0	1119	36.622	36.622	0.000	0.00%	0.00%
0	1042	36.047	36.047	0.000	0.00%	0.00%
0	441	36.047	36.047	0.000	0.00%	0.00%
0	203	36.813	36.813	0.000	0.00%	0.00%
0	119	36.239	36.239	0.000	0.00%	0.00%
6.08E+11	2519	36.239	54.304	-18.065	-49.85%	26.37%
6.08E+11	2667	35.856	52.580	-16.724	-46.64%	24.41%
6.08E+11	2339	35.856	53.154	-17.299	-48.25%	25.25%
6.08E+11	21454	36.813	53.921	-17.107	-46.47%	24.97%
6.08E+11	21633	35.856	54.304	-18.448	-51.45%	26.93%
6.08E+11	2848	36.047	53.154	-17.107	-47.46%	24.97%
6.08E+11	21119	36.622	54.687	-18.065	-49.33%	26.37%
6.08E+11	21042	36.047	52.771	-16.724	-46.40%	24.41%
6.08E+11	2441	36.047	52.388	-16.341	-45.33%	23.86%
6.08E+11	2203	36.813	54.879	-18.065	-49.07%	26.37%
6.08E+11	2119	36.239	54.112	-17.874	-49.32%	26.09%
	Max	36.813	54.879	0.000	0.00%	26.93%
	Average	36.221	44.940	-8.719	-24.07%	12.73%
	Min	35.856	35.856	-18.448	-51.45%	0.00%
	Std Dev	0.359	8.948	8.937	24.67%	13.05%



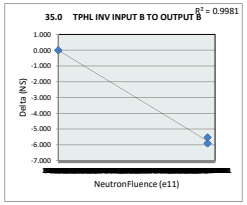
	34.0 TRISE OF OUTPUT B, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	35.856	52.388
Average	36.221	53.659
Max	36.813	54.879
UL	68.500	68.500



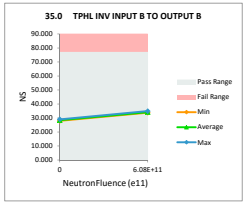
NDD Report
UC1707 NDD REPORT

	35.0 TPHL INV INPUT B TO O	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	77	77
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	28.281	28.281	0.000	0.00%	0.00%
0	667	27.909	27.909	0.000	0.00%	0.00%
0	339	27.909	27.909	0.000	0.00%	0.00%
0	1454	29.025	29.025	0.000	0.00%	0.00%
0	1633	28.281	28.281	0.000	0.00%	0.00%
0	848	28.281	28.281	0.000	0.00%	0.00%
0	1119	29.025	29.025	0.000	0.00%	0.00%
0	1042	28.281	28.281	0.000	0.00%	0.00%
0	441	28.281	28.281	0.000	0.00%	0.00%
0	203	29.025	29.025	0.000	0.00%	0.00%
0	119	28.281	28.281	0.000	0.00%	0.00%
6.08E+11	2519	28.281	34.181	-5.900	-20.86%	7.66%
6.08E+11	2667	27.909	33.809	-5.900	-21.14%	7.66%
6.08E+11	2339	27.909	33.809	-5.900	-21.14%	7.66%
6.08E+11	21454	29.025	34.926	-5.902	-20.33%	7.66%
6.08E+11	21633	28.281	34.181	-5.900	-20.86%	7.66%
6.08E+11	2848	28.281	33.809	-5.528	-19.55%	7.18%
6.08E+11	21119	29.025	34.554	-5.529	-19.05%	7.18%
6.08E+11	21042	28.281	34.181	-5.900	-20.86%	7.66%
6.08E+11	2441	28.281	33.809	-5.528	-19.55%	7.18%
6.08E+11	2203	29.025	34.926	-5.902	-20.33%	7.66%
6.08E+11	2119	28.281	33.809	-5.528	-19.55%	7.18%
	Max	29.025	34.926	0.000	0.00%	7.66%
	Average	28.416	31.299	-2.883	-10.15%	3.74%
	Min	27.909	27.909	-5.902	-21.14%	0.00%
	Std Dev	0.407	2.980	2.953	10.40%	3.84%



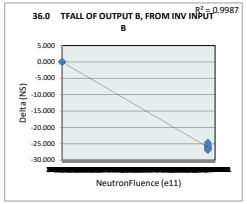
	35.0 TPHL INV INPUT B TO	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	77	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	27.909	33.809
Average	28.416	34.181
Max	29.025	34.927
UL	77.000	77.000



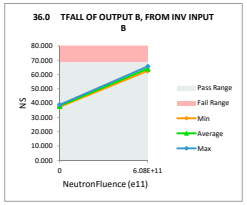
NDD Report
UC1707 NDD REPORT

	36.0 TFALL OF OUTPUT B, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	38.036	38.036	0.000	0.00%	0.00%
0	667	37.462	37.462	0.000	0.00%	0.00%
0	339	37.653	37.653	0.000	0.00%	0.00%
0	1454	38.803	38.803	0.000	0.00%	0.00%
0	1633	38.036	38.036	0.000	0.00%	0.00%
0	848	37.845	37.845	0.000	0.00%	0.00%
0	1119	38.611	38.611	0.000	0.00%	0.00%
0	1042	37.462	37.462	0.000	0.00%	0.00%
0	441	37.653	37.653	0.000	0.00%	0.00%
0	203	38.803	38.803	0.000	0.00%	0.00%
0	119	38.228	38.228	0.000	0.00%	0.00%
6.08E+11	2519	38.036	62.615	-24.579	-64.62%	35.88%
6.08E+11	2667	37.462	63.381	-25.919	-69.19%	37.84%
6.08E+11	2339	37.653	62.998	-25.345	-67.31%	37.00%
6.08E+11	21454	38.803	65.680	-26.877	-69.27%	39.24%
6.08E+11	21633	38.036	64.147	-26.111	-68.65%	38.12%
6.08E+11	2848	37.845	64.147	-26.303	-69.50%	38.40%
6.08E+11	21119	38.611	64.147	-25.536	-66.14%	37.28%
6.08E+11	21042	37.462	63.764	-26.303	-70.21%	38.40%
6.08E+11	2441	37.653	64.339	-26.686	-70.87%	38.96%
6.08E+11	2203	38.803	64.531	-25.728	-66.30%	37.56%
6.08E+11	2119	38.228	65.105	-26.877	-70.31%	39.24%
	Max	38.803	65.680	0.000	0.00%	39.24%
	Average	38.054	51.066	-13.012	-34.20%	19.00%
	Min	37.462	37.462	-26.877	-70.87%	0.00%
	Std Dev	0.491	13.337	13.327	35.03%	19.46%



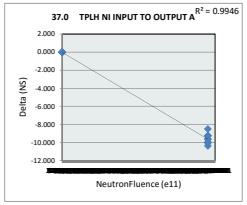
	36.0 TFALL OF OUTPUT B, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	37.462	62.615
Average	38.054	64.078
Max	38.803	65.680
UL	68.500	68.500



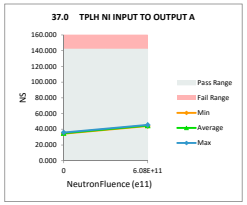
NDD Report
UC1707 NDD REPORT

	37.0 TPLH NI INPUT TO OUTP	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	142	142
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	35.176	35.176	0.000	0.00%	0.00%
0	667	34.804	34.804	0.000	0.00%	0.00%
0	339	35.176	35.176	0.000	0.00%	0.00%
0	1454	35.176	35.176	0.000	0.00%	0.00%
0	1633	35.920	35.920	0.000	0.00%	0.00%
0	848	35.176	35.176	0.000	0.00%	0.00%
0	1119	34.804	34.804	0.000	0.00%	0.00%
0	1042	34.432	34.432	0.000	0.00%	0.00%
0	441	34.432	34.432	0.000	0.00%	0.00%
0	203	35.176	35.176	0.000	0.00%	0.00%
0	119	35.548	35.548	0.000	0.00%	0.00%
6.08E+11	2519	35.176	45.561	-10.385	-29.52%	7.31%
6.08E+11	2667	34.804	44.443	-9.639	-27.69%	6.79%
6.08E+11	2339	35.176	45.188	-10.012	-28.46%	7.05%
6.08E+11	21454	35.176	44.443	-9.267	-26.34%	6.53%
6.08E+11	21633	35.920	45.188	-9.268	-25.80%	6.53%
6.08E+11	2848	35.176	44.443	-9.267	-26.34%	6.53%
6.08E+11	21119	34.804	44.443	-9.639	-27.69%	6.79%
6.08E+11	21042	34.432	44.443	-10.011	-29.07%	7.05%
6.08E+11	2441	34.432	44.443	-10.011	-29.07%	7.05%
6.08E+11	2203	35.176	45.188	-10.012	-28.46%	7.05%
6.08E+11	2119	35.548	44.070	-8.522	-23.97%	6.00%
	Max	35.920	45.561	0.000	0.00%	7.31%
	Average	35.074	39.894	-4.820	-13.75%	3.39%
	Min	34.432	34.432	-10.385	-29.52%	0.00%
	Std Dev	0.432	4.953	4.946	14.12%	3.48%



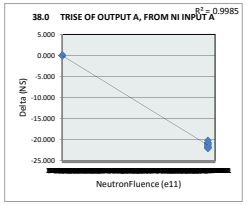
	37.0 TPLH NI INPUT TO OU	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	142	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	34.432	44.070
Average	35.074	44.714
Max	35.920	45.561
UL	142.000	142.000



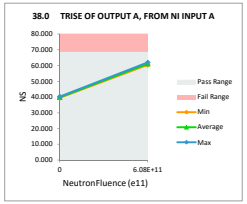
NDD Report
UC1707 NDD REPORT

	38.0 TRISE OF OUTPUT A, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	39.864	39.864	0.000	0.00%	0.00%
0	667	39.481	39.481	0.000	0.00%	0.00%
0	339	39.864	39.864	0.000	0.00%	0.00%
0	1454	40.056	40.056	0.000	0.00%	0.00%
0	1633	39.864	39.864	0.000	0.00%	0.00%
0	848	39.864	39.864	0.000	0.00%	0.00%
0	1119	40.056	40.056	0.000	0.00%	0.00%
0	1042	39.672	39.672	0.000	0.00%	0.00%
0	441	39.481	39.481	0.000	0.00%	0.00%
0	203	40.247	40.247	0.000	0.00%	0.00%
0	119	39.864	39.864	0.000	0.00%	0.00%
6.08E+11	2519	39.864	61.569	-21.705	-54.45%	31.69%
6.08E+11	2667	39.481	61.186	-21.705	-54.98%	31.69%
6.08E+11	2339	39.864	61.761	-21.897	-54.93%	31.97%
6.08E+11	21454	40.056	60.803	-20.747	-51.80%	30.29%
6.08E+11	21633	39.864	60.611	-20.747	-52.04%	30.29%
6.08E+11	2848	39.864	61.952	-22.088	-55.41%	32.25%
6.08E+11	21119	40.056	61.952	-21.896	-54.67%	31.97%
6.08E+11	21042	39.672	60.994	-21.322	-53.74%	31.13%
6.08E+11	2441	39.481	60.420	-20.939	-53.04%	30.57%
6.08E+11	2203	40.247	60.420	-20.173	-50.12%	29.45%
6.08E+11	2119	39.864	60.994	-21.130	-53.01%	30.85%
	Max	40.247	61.952	0.000	0.00%	32.25%
	Average	39.847	50.499	-10.652	-26.74%	15.55%
	Min	39.481	39.481	-22.088	-55.41%	0.00%
	Std Dev	0.228	10.911	10.911	27.39%	15.93%



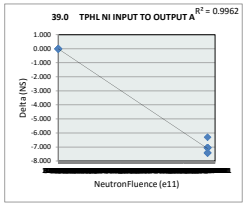
	38.0 TRISE OF OUTPUT A, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	39.481	60.420
Average	39.847	61.151
Max	40.247	61.952
UL	68.500	68.500



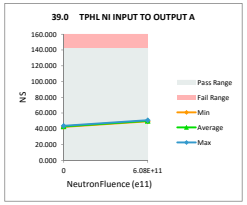
NDD Report
UC1707 NDD REPORT

	39.0 TPHL NI INPUT TO OUTP	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	142	142
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	43.115	43.115	0.000	0.00%	0.00%
0	667	42.371	42.371	0.000	0.00%	0.00%
0	339	42.743	42.743	0.000	0.00%	0.00%
0	1454	43.487	43.487	0.000	0.00%	0.00%
0	1633	43.487	43.487	0.000	0.00%	0.00%
0	848	43.115	43.115	0.000	0.00%	0.00%
0	1119	43.487	43.487	0.000	0.00%	0.00%
0	1042	42.371	42.371	0.000	0.00%	0.00%
0	441	42.371	42.371	0.000	0.00%	0.00%
0	203	43.859	43.859	0.000	0.00%	0.00%
0	119	43.115	43.115	0.000	0.00%	0.00%
6.08E+11	2519	43.115	50.160	-7.045	-16.34%	4.96%
6.08E+11	2667	42.371	49.415	-7.043	-16.62%	4.96%
6.08E+11	2339	42.743	49.787	-7.044	-16.48%	4.96%
6.08E+11	21454	43.487	50.905	-7.418	-17.06%	5.22%
6.08E+11	21633	43.487	50.905	-7.418	-17.06%	5.22%
6.08E+11	2848	43.115	50.160	-7.045	-16.34%	4.96%
6.08E+11	21119	43.487	50.905	-7.418	-17.06%	5.22%
6.08E+11	21042	42.371	49.415	-7.043	-16.62%	4.96%
6.08E+11	2441	42.371	49.787	-7.416	-17.50%	5.22%
6.08E+11	2203	43.859	50.160	-6.301	-14.37%	4.44%
6.08E+11	2119	43.115	50.160	-7.045	-16.34%	4.96%
	Max	43.859	50.905	0.000	0.00%	5.22%
	Average	43.047	46.604	-3.556	-8.26%	2.50%
	Min	42.371	42.371	-7.418	-17.50%	0.00%
	Std Dev	0.509	3.677	3.647	8.48%	2.57%



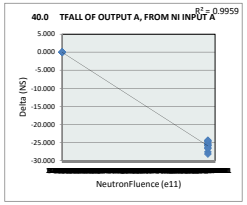
	39.0 TPHL NI INPUT TO OU	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	142	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	42.371	49.415
Average	43.047	50.160
Max	43.859	50.905
UL	142.000	142.000



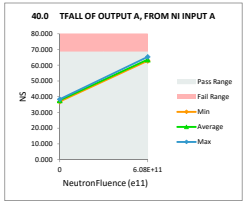
NDD Report
UC1707 NDD REPORT

	40.0 TFALL OF OUTPUT A, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	37.845	37.845	0.000	0.00%	0.00%
0	667	37.078	37.078	0.000	0.00%	0.00%
0	339	37.462	37.462	0.000	0.00%	0.00%
0	1454	38.228	38.228	0.000	0.00%	0.00%
0	1633	37.653	37.653	0.000	0.00%	0.00%
0	848	37.462	37.462	0.000	0.00%	0.00%
0	1119	38.228	38.228	0.000	0.00%	0.00%
0	1042	37.270	37.270	0.000	0.00%	0.00%
0	441	36.887	36.887	0.000	0.00%	0.00%
0	203	38.419	38.419	0.000	0.00%	0.00%
0	119	37.653	37.653	0.000	0.00%	0.00%
6.08E+11	2519	37.845	63.764	-25.920	-68.49%	37.84%
6.08E+11	2667	37.078	63.573	-26.494	-71.45%	38.68%
6.08E+11	2339	37.462	62.998	-25.536	-68.17%	37.28%
6.08E+11	21454	38.228	62.998	-24.770	-64.80%	36.16%
6.08E+11	21633	37.653	65.297	-27.644	-73.42%	40.36%
6.08E+11	2848	37.462	62.806	-25.345	-67.66%	37.00%
6.08E+11	21119	38.228	62.813	-24.584	-64.31%	35.89%
6.08E+11	21042	37.270	63.190	-25.920	-69.55%	37.84%
6.08E+11	2441	36.887	65.105	-28.218	-76.50%	41.19%
6.08E+11	2203	38.419	62.806	-24.387	-63.48%	35.60%
6.08E+11	2119	37.653	64.339	-26.686	-70.87%	38.96%
	Max	38.419	65.297	0.000	0.00%	41.19%
	Average	37.653	50.631	-12.977	-34.49%	18.95%
	Min	36.887	36.887	-28.218	-76.50%	0.00%
	Std Dev	0.480	13.302	13.310	35.40%	19.43%



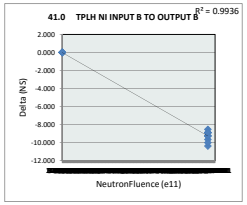
	40.0 TFALL OF OUTPUT A, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	36.887	62.807
Average	37.653	63.608
Max	38.420	65.297
UL	68.500	68.500



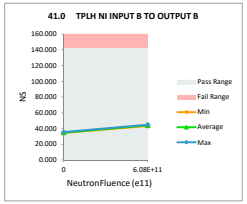
NDD Report
UC1707 NDD REPORT

	41.0 TPLH NI INPUT B TO OU	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	142	142
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	35.176	35.176	0.000	0.00%	0.00%
0	667	34.804	34.804	0.000	0.00%	0.00%
0	339	34.432	34.432	0.000	0.00%	0.00%
0	1454	35.176	35.176	0.000	0.00%	0.00%
0	1633	35.548	35.548	0.000	0.00%	0.00%
0	848	34.432	34.432	0.000	0.00%	0.00%
0	1119	34.432	34.432	0.000	0.00%	0.00%
0	1042	34.432	34.432	0.000	0.00%	0.00%
0	441	34.804	34.804	0.000	0.00%	0.00%
0	203	34.804	34.804	0.000	0.00%	0.00%
0	119	34.432	34.432	0.000	0.00%	0.00%
6.08E+11	2519	35.176	44.070	-8.894	-25.28%	6.26%
6.08E+11	2667	34.804	43.325	-8.521	-24.48%	6.00%
6.08E+11	2339	34.432	43.325	-8.893	-25.83%	6.26%
6.08E+11	21454	35.176	44.815	-9.639	-27.40%	6.79%
6.08E+11	21633	35.548	44.443	-8.895	-25.02%	6.26%
6.08E+11	2848	34.432	44.815	-10.383	-30.16%	7.31%
6.08E+11	21119	34.432	43.689	-9.257	-26.89%	6.52%
6.08E+11	21042	34.432	44.443	-10.011	-29.07%	7.05%
6.08E+11	2441	34.804	44.070	-9.266	-26.62%	6.53%
6.08E+11	2203	34.804	44.070	-9.266	-26.62%	6.53%
6.08E+11	2119	34.432	43.325	-8.893	-25.83%	6.26%
	Max	35.548	44.815	0.000	0.00%	7.31%
	Average	34.770	39.403	-4.633	-13.33%	3.26%
	Min	34.432	34.432	-10.383	-30.16%	0.00%
	Std Dev	0.379	4.765	4.757	13.69%	3.35%



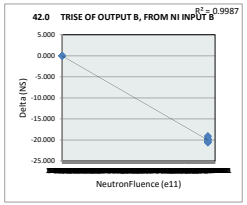
	41.0 TPLH NI INPUT B TO O	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	142	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	34.432	43.325
Average	34.770	44.035
Max	35.548	44.815
UL	142.000	142.000



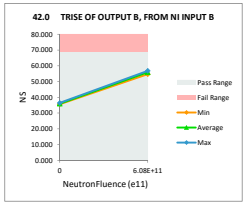
NDD Report
UC1707 NDD REPORT

	42.0 TRISE OF OUTPUT B, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	36.239	36.239	0.000	0.00%	0.00%
0	667	35.664	35.664	0.000	0.00%	0.00%
0	339	35.664	35.664	0.000	0.00%	0.00%
0	1454	36.430	36.430	0.000	0.00%	0.00%
0	1633	35.856	35.856	0.000	0.00%	0.00%
0	848	35.856	35.856	0.000	0.00%	0.00%
0	1119	36.239	36.239	0.000	0.00%	0.00%
0	1042	35.664	35.664	0.000	0.00%	0.00%
0	441	35.664	35.664	0.000	0.00%	0.00%
0	203	36.430	36.430	0.000	0.00%	0.00%
0	119	35.856	35.856	0.000	0.00%	0.00%
6.08E+11	2519	36.239	56.794	-20.556	-56.72%	30.01%
6.08E+11	2667	35.664	54.687	-19.023	-53.34%	27.77%
6.08E+11	2339	35.664	55.453	-19.789	-55.49%	28.89%
6.08E+11	21454	36.430	56.603	-20.172	-55.37%	29.45%
6.08E+11	21633	35.856	55.836	-19.981	-55.73%	29.17%
6.08E+11	2848	35.856	56.411	-20.556	-57.33%	30.01%
6.08E+11	21119	36.239	56.789	-20.550	-56.71%	30.00%
6.08E+11	21042	35.664	55.645	-19.981	-56.03%	29.17%
6.08E+11	2441	35.664	56.028	-20.364	-57.10%	29.73%
6.08E+11	2203	36.430	55.645	-19.214	-52.74%	28.05%
6.08E+11	2119	35.856	55.453	-19.598	-54.66%	28.61%
	Max	36.430	56.794	0.000	0.00%	30.01%
	Average	35.960	45.950	-9.990	-27.78%	14.58%
	Min	35.664	35.664	-20.556	-57.33%	0.00%
	Std Dev	0.306	10.238	10.232	28.45%	14.94%



	42.0 TRISE OF OUTPUT B, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	35.664	54.687
Average	35.960	55.940
Max	36.430	56.794
UL	68.500	68.500



NDD Report
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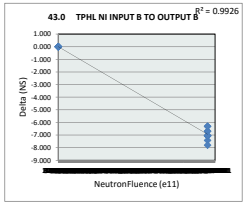
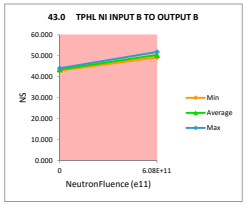
	43.0 TPHL NI INPUT B TO OU	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit		
Min Limit		

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	43.671	43.671	0.000	0.00%	#DIV/0!
0	667	42.927	42.927	0.000	0.00%	#DIV/0!
0	339	42.927	42.927	0.000	0.00%	#DIV/0!
0	1454	44.043	44.043	0.000	0.00%	#DIV/0!
0	1633	43.671	43.671	0.000	0.00%	#DIV/0!
0	848	43.299	43.299	0.000	0.00%	#DIV/0!
0	1119	44.043	44.043	0.000	0.00%	#DIV/0!
0	1042	42.927	42.927	0.000	0.00%	#DIV/0!
0	441	43.299	43.299	0.000	0.00%	#DIV/0!
0	203	44.043	44.043	0.000	0.00%	#DIV/0!
0	119	43.299	43.299	0.000	0.00%	#DIV/0!
6.08E+11	2519	43.671	50.342	-6.671	-15.27%	#DIV/0!
6.08E+11	2667	42.927	49.224	-6.297	-14.67%	#DIV/0!
6.08E+11	2339	42.927	49.969	-7.042	-16.40%	#DIV/0!
6.08E+11	21454	44.043	51.460	-7.417	-16.84%	#DIV/0!
6.08E+11	21633	43.671	50.715	-7.043	-16.13%	#DIV/0!
6.08E+11	2848	43.299	50.342	-7.043	-16.27%	#DIV/0!
6.08E+11	21119	44.043	50.729	-6.686	-15.18%	#DIV/0!
6.08E+11	21042	42.927	49.969	-7.042	-16.40%	#DIV/0!
6.08E+11	2441	43.299	49.597	-6.297	-14.54%	#DIV/0!
6.08E+11	2203	44.043	51.832	-7.789	-17.69%	#DIV/0!
6.08E+11	2119	43.299	50.342	-7.043	-16.27%	#DIV/0!
	Max	44.043	51.832	0.000	0.00%	#DIV/0!
	Average	43.468	46.940	-3.471	-7.98%	#DIV/0!
	Min	42.927	42.927	-7.789	-17.69%	#DIV/0!
	Std Dev	0.441	3.605	3.566	8.20%	#DIV/0!



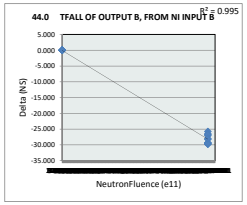
	43.0 TPHL NI INPUT B TO O	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit		NS
Min Limit		NS
NeutronFluence (e	0	6.08E+11
LL		
Min	42.927	49.224
Average	43.468	50.411
Max	44.043	51.832
UL		



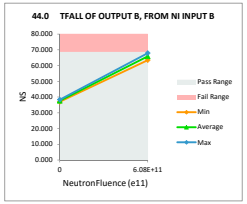
NDD Report
UC1707 NDD REPORT

	44.0 TFALL OF OUTPUT B, FR	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	68.5	68.5
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	37.728	37.728	0.000	0.00%	0.00%
0	667	36.962	36.962	0.000	0.00%	0.00%
0	339	37.345	37.345	0.000	0.00%	0.00%
0	1454	38.303	38.303	0.000	0.00%	0.00%
0	1633	37.536	37.536	0.000	0.00%	0.00%
0	848	37.536	37.536	0.000	0.00%	0.00%
0	1119	38.111	38.111	0.000	0.00%	0.00%
0	1042	37.345	37.345	0.000	0.00%	0.00%
0	441	37.153	37.153	0.000	0.00%	0.00%
0	203	38.303	38.303	0.000	0.00%	0.00%
0	119	37.728	37.728	0.000	0.00%	0.00%
6.08E+11	2519	37.728	63.456	-25.728	-68.19%	37.56%
6.08E+11	2667	36.962	65.180	-28.218	-76.34%	41.19%
6.08E+11	2339	37.345	64.414	-27.069	-72.48%	39.52%
6.08E+11	21454	38.303	67.671	-29.368	-76.67%	42.87%
6.08E+11	21633	37.536	66.904	-29.368	-78.24%	42.87%
6.08E+11	2848	37.536	64.031	-26.494	-70.58%	38.68%
6.08E+11	21119	38.111	67.856	-29.745	-78.05%	43.42%
6.08E+11	21042	37.345	67.096	-29.751	-79.67%	43.43%
6.08E+11	2441	37.153	66.713	-29.559	-79.56%	43.15%
6.08E+11	2203	38.303	64.989	-26.686	-69.67%	38.96%
6.08E+11	2119	37.728	65.755	-28.027	-74.29%	40.92%
	Max	38.303	67.856	0.000	0.00%	43.43%
	Average	37.641	51.732	-14.092	-37.44%	20.57%
	Min	36.962	36.962	-29.751	-79.67%	0.00%
	Std Dev	0.437	14.464	14.459	38.43%	21.11%



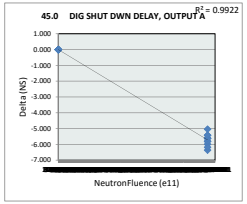
	44.0 TFALL OF OUTPUT B, F	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	68.5	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	36.962	63.456
Average	37.641	65.824
Max	38.303	67.856
UL	68.500	68.500



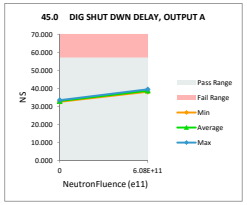
NDD Report
UC1707 NDD REPORT

	45.0 DIG SHUT DWN DELAY, (	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	57	57
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	32.878	32.878	0.000	0.00%	0.00%
0	667	32.687	32.687	0.000	0.00%	0.00%
0	339	32.687	32.687	0.000	0.00%	0.00%
0	1454	33.261	33.261	0.000	0.00%	0.00%
0	1633	33.261	33.261	0.000	0.00%	0.00%
0	848	32.878	32.878	0.000	0.00%	0.00%
0	1119	33.070	33.070	0.000	0.00%	0.00%
0	1042	32.878	32.878	0.000	0.00%	0.00%
0	441	32.495	32.495	0.000	0.00%	0.00%
0	203	33.453	33.453	0.000	0.00%	0.00%
0	119	33.070	33.070	0.000	0.00%	0.00%
6.08E+11	2519	32.878	38.491	-5.613	-17.07%	9.85%
6.08E+11	2667	32.687	38.300	-5.613	-17.17%	9.85%
6.08E+11	2339	32.687	38.491	-5.805	-17.76%	10.18%
6.08E+11	21454	33.261	39.257	-5.996	-18.03%	10.52%
6.08E+11	21633	33.261	38.683	-5.422	-16.30%	9.51%
6.08E+11	2848	32.878	38.683	-5.805	-17.65%	10.18%
6.08E+11	21119	33.070	39.441	-6.371	-19.27%	11.18%
6.08E+11	21042	32.878	39.066	-6.188	-18.82%	10.86%
6.08E+11	2441	32.495	38.108	-5.613	-17.27%	9.85%
6.08E+11	2203	33.453	38.491	-5.038	-15.06%	8.84%
6.08E+11	2119	33.070	38.491	-5.422	-16.39%	9.51%
	Max	33.453	39.441	0.000	0.00%	11.18%
	Average	32.965	35.824	-2.858	-8.67%	5.01%
	Min	32.495	32.495	-6.371	-19.27%	0.00%
	Std Dev	0.282	2.946	2.937	8.91%	5.15%



	45.0 DIG SHUT DWN DELAY	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	57	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	32.495	38.108
Average	32.965	38.682
Max	33.453	39.441
UL	57.000	57.000



NDD Report
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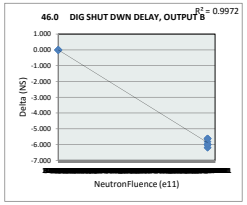
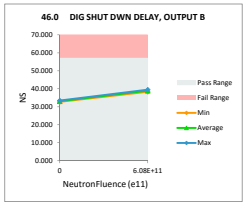
	46.0 DIG SHUT DWN DELAY, (	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	57	57
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	33.070	33.070	0.000	0.00%	0.00%
0	667	32.687	32.687	0.000	0.00%	0.00%
0	339	32.878	32.878	0.000	0.00%	0.00%
0	1454	33.261	33.261	0.000	0.00%	0.00%
0	1633	33.070	33.070	0.000	0.00%	0.00%
0	848	33.070	33.070	0.000	0.00%	0.00%
0	1119	33.453	33.453	0.000	0.00%	0.00%
0	1042	32.687	32.687	0.000	0.00%	0.00%
0	441	33.070	33.070	0.000	0.00%	0.00%
0	203	33.261	33.261	0.000	0.00%	0.00%
0	119	32.878	32.878	0.000	0.00%	0.00%
6.08E+11	2519	33.070	39.066	-5.996	-18.13%	10.52%
6.08E+11	2667	32.687	38.683	-5.996	-18.34%	10.52%
6.08E+11	2339	32.878	38.491	-5.613	-17.07%	9.85%
6.08E+11	21454	33.261	38.874	-5.613	-16.88%	9.85%
6.08E+11	21633	33.070	39.257	-6.188	-18.71%	10.86%
6.08E+11	2848	33.070	39.066	-5.996	-18.13%	10.52%
6.08E+11	21119	33.453	39.262	-5.809	-17.36%	10.19%
6.08E+11	21042	32.687	38.300	-5.613	-17.17%	9.85%
6.08E+11	2441	33.070	38.683	-5.613	-16.97%	9.85%
6.08E+11	2203	33.261	39.449	-6.188	-18.60%	10.86%
6.08E+11	2119	32.878	38.874	-5.996	-18.24%	10.52%
	Max	33.453	39.449	0.000	0.00%	10.86%
	Average	33.035	35.972	-2.937	-8.89%	5.15%
	Min	32.687	32.687	-6.188	-18.71%	0.00%
	Std Dev	0.234	3.021	3.011	9.11%	5.28%



	46.0 DIG SHUT DWN DELAY	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	57	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	32.687	38.300
Average	33.035	38.910
Max	33.453	39.449
UL	57.000	57.000



NDD Report
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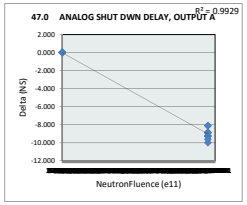
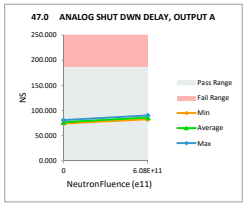
	47.0 ANALOG SHUT DWN DEL	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	185	185
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	77.776	77.776	0.000	0.00%	0.00%
0	667	74.429	74.429	0.000	0.00%	0.00%
0	339	74.801	74.801	0.000	0.00%	0.00%
0	1454	81.124	81.124	0.000	0.00%	0.00%
0	1633	76.289	76.289	0.000	0.00%	0.00%
0	848	75.917	75.917	0.000	0.00%	0.00%
0	1119	80.380	80.380	0.000	0.00%	0.00%
0	1042	76.289	76.289	0.000	0.00%	0.00%
0	441	74.801	74.801	0.000	0.00%	0.00%
0	203	80.380	80.380	0.000	0.00%	0.00%
0	119	75.545	75.545	0.000	0.00%	0.00%
6.08E+11	2519	77.776	86.656	-8.880	-11.42%	4.80%
6.08E+11	2667	74.429	82.557	-8.128	-10.92%	4.39%
6.08E+11	2339	74.801	82.930	-8.129	-10.87%	4.39%
6.08E+11	21454	81.124	90.383	-9.259	-11.41%	5.00%
6.08E+11	21633	76.289	85.166	-8.877	-11.64%	4.80%
6.08E+11	2848	75.917	85.166	-9.249	-12.18%	5.00%
6.08E+11	21119	80.380	89.678	-9.298	-11.57%	5.03%
6.08E+11	21042	76.289	85.166	-8.877	-11.64%	4.80%
6.08E+11	2441	74.801	83.675	-8.874	-11.86%	4.80%
6.08E+11	2203	80.380	90.383	-10.003	-12.44%	5.41%
6.08E+11	2119	75.545	85.166	-9.621	-12.74%	5.20%
	Max	81.124	90.383	0.000	0.00%	5.41%
	Average	77.066	81.575	-4.509	-5.85%	2.44%
	Min	74.429	74.429	-10.003	-12.74%	0.00%
	Std Dev	2.410	5.301	4.631	6.00%	2.50%



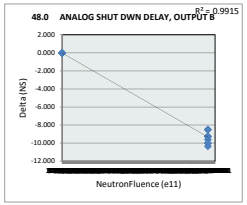
	47.0 ANALOG SHUT DWN DE	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	185	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	74.429	82.557
Average	77.066	86.084
Max	81.124	90.383
UL	185.000	185.000



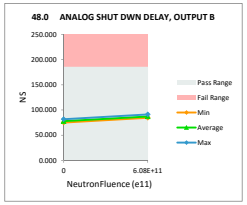
NDD Report
UC1707 NDD REPORT

	48.0 ANALOG SHUT DWN DEL	
Test Site	CLAB	CLAB
Tester	LTX	LTX
Test Number	XPM22800	XPM22800
Unit	NS	NS
Max Limit	185	185
Min Limit	0	0

NeutronFluence (e11)	Serial #	Pre Rad	UC1707_Rad_Post	Delta	Delta %	% of Limit Range
0	519	79.008	79.008	0.000	0.00%	0.00%
0	667	74.917	74.917	0.000	0.00%	0.00%
0	339	74.917	74.917	0.000	0.00%	0.00%
0	1454	80.868	80.868	0.000	0.00%	0.00%
0	1633	76.776	76.776	0.000	0.00%	0.00%
0	848	76.776	76.776	0.000	0.00%	0.00%
0	1119	81.612	81.612	0.000	0.00%	0.00%
0	1042	76.776	76.776	0.000	0.00%	0.00%
0	441	76.405	76.405	0.000	0.00%	0.00%
0	203	81.240	81.240	0.000	0.00%	0.00%
0	119	76.033	76.033	0.000	0.00%	0.00%
6.08E+11	2519	79.008	87.520	-8.511	-10.77%	4.60%
6.08E+11	2667	74.917	85.284	-10.367	-13.84%	5.60%
6.08E+11	2339	74.917	84.538	-9.622	-12.84%	5.20%
6.08E+11	21454	80.868	90.128	-9.260	-11.45%	5.01%
6.08E+11	21633	76.776	85.284	-8.507	-11.08%	4.60%
6.08E+11	2848	76.776	86.029	-9.253	-12.05%	5.00%
6.08E+11	21119	81.612	90.869	-9.257	-11.34%	5.00%
6.08E+11	21042	76.776	86.029	-9.253	-12.05%	5.00%
6.08E+11	2441	76.405	84.911	-8.506	-11.13%	4.60%
6.08E+11	2203	81.240	91.246	-10.006	-12.32%	5.41%
6.08E+11	2119	76.033	86.029	-9.996	-13.15%	5.40%
	Max	81.612	91.246	0.000	0.00%	5.60%
	Average	77.757	82.418	-4.661	-6.00%	2.52%
	Min	74.917	74.917	-10.367	-13.84%	0.00%
	Std Dev	2.431	5.355	4.791	6.18%	2.59%



	48.0 ANALOG SHUT DWN DE	
Test Site	CLAB	
Tester	LTX	
Test Number	XPM22800	
Max Limit	185	NS
Min Limit	0	NS
NeutronFluence (e	0	6.08E+11
LL	0.000	0.000
Min	74.917	84.538
Average	77.757	87.079
Max	81.612	91.246
UL	185.000	185.000



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