



**TOTAL DOSE RADIATION
TEST REPORT
No. ATN-RR-009/2012**

Issue: 2/Rev:

Page: 1/10

Date: 2012/11/12

R.L: 2011902913 / 2011902914

Component No UC1843		Component Designation: UC1843	Irradiation Spec. No.: ESCC 22900 Issue 4
Gen. Spec.: MFR DATA SHEET Det. Spec.: MFR DATA SHEET Amend.: --		Evaluation: - Acceptance Wafer: - Acceptance Lot: X	Project/Programme: LDT (ESA) AO / 1-6172 / 09 / F / WE
Family: 08	Group: 16	Functional Assignment: Current Mode Pulse Width Modulator	Package: DIL-8
Manuf.Name: TEXAS INSTRUMENTS Address: USA		Test House: ATN Address: MADRID (SPAIN)	Orig.house: ATN Address: SEVILLA (SPAIN)
Radiation Test Plan No.: ATGSP-RP-77 Iss1		Sample Size: 22 Irradiation Devices: 20 Control Devices: 2	Date Code: 1004A Wafer Lot: 9204435SHE
Radiation Source: Cobalt-60 Facility Name: ESA (ESTEC) Address: NOORDWIJK (HOLLAND)		Energy: 1.33/1.17 MeV Dose Rate: 35.4 & 323.7 rad(Si)/h	Interest level: 100krad(Si) Maximum Test Level: 100krad(Si)
Irradiation Conditions: Biased: X (10 samples) Unbiased: X (10 samples) Test Circuit: Figure 1		Irradiation Measurements Interval: Remote test: X In situ Test: --	Annealing Tests: 24h@25°C, 168h@100°C Biased: X (10 samples) Unbiased: X (10 samples) Test Circuit: Figure 1

Electrical Measurements. Parameters Tested:

V_{REF} , V_{RLINE} , V_{RLOAD} , I_{OS} , F_{OSC1} , F_{OSC2} , V_{IN} , I_{IB} , A_{VOL} , $PSRR$, I_{SINK} , I_{SOURCE} , $V_{OH1PIN1}$, $V_{OL1PIN1}$, A_{V2} , V_{IN2} , I_{IB2} , V_{OL2A} , V_{OL2B} , V_{OH2A} , V_{OH2B} , V_{TH} , V_{MIN} , I_{START} , I_{CC} .

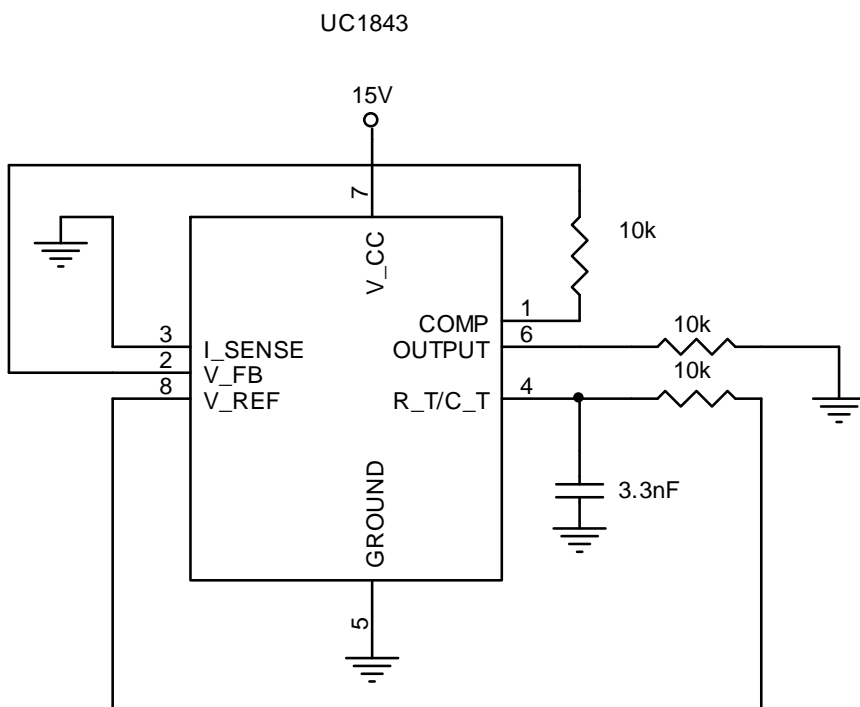
Prepared by.: Antonio Romero Mallén
Date: 2012/11/12
Signature:

Approved by.: Eugenio Muñoz Plaza
Date: 2012/11/12
Signature:

DOCUMENT CHANGE CONTROL

Edition / Revision	Date	Affected Edition / Revision	Affected Paragraph / Modification
ATN-RR-009/2012 Iss.1	2012/09/24	--	First edition of this document.
ATN-RR-009/2012 Iss.2	2012/11/12	ATN-RR-009/2012 Iss.1	Footer on the pages updated with new issue of document format. Company's logo updated. Test house name updated.

FIGURE 1.-RADIATION BIAS CIRCUITS



Notes:

1. Ten parts(5 ELDR+5 LDR) were irradiated biased ON, in accordance with the radiation bias circuit shown in Figure 1.
2. Ten parts(5 ELDR + 5 LDR) were irradiated biased OFF: the pins are short circuited and connected to ground.

SUMMARY

In order to evaluate the behaviour of the samples between ELDR, LDR, ON and OFF biased, a total dose steady-state irradiation test has been carried out on a Current Mode Pulse Width Modulator, manufactured by TEXAS INDUSTRIES, USA. The test was performed using two dose rate (35.4 rad(Si)/h and 323.7rad (Si)/h) until a total accumulated dose of 100krad(Si). The irradiated parts were labelled as follows:

Serial Number		Bias condition	Dose rate
R1	146	Control device	ELDR
R2	147	ON	
R3	038		
R4	039		
R5	040		
R6	041		
R7	042	OFF	
R8	043		
R9	046		
R10	142		
R11	143		
R1	121	Control device	LDR
R2	122	ON	
R3	123		
R4	125		
R5	126		
R6	128		
R7	131	OFF	
R8	133		
R9	136		
R10	137		
R11	140		

RESULTS

The next table shows a resume of the irradiation test results

ELDR									
	0Krad	6Krad	13Krad	20Krad	30Krad	50Krad	100Krad	ANN24	ANN168
V _{REF}	PASS	PASS	PASS	PASS	PASS	(1)	(1)	(1)	(1)
V _{RLINE}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{RLOAD}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{OS}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
F _{OSC1}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
F _{OSC2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{IN}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{IB}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A _{VOL}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{SINK}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{SOURCE}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OH1PIN1}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OL1PIN1}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A _{V2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{IN2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{IB2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OL2A}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OL2B}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OH2A}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OH2B}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{TH}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{MIN}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{START}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{CC}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

LDR									
	0Krad	6Krad	13Krad	20Krad	30Krad	50Krad	100Krad	ANN24	ANN168
V _{REF}	PASS	PASS	PASS	PASS	PASS	(1)	(1)	(1)	(1)
V _{RLINE}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{RLOAD}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{OS}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
F _{OSC1}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
F _{OSC2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{IN}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{IB}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A _{VOL}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
PSRR	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{SINK}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{SOURCE}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OH1PIN1}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OL1PIN1}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
A _{V2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{IN2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{IB2}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OL2A}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OL2B}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OH2A}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{OH2B}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{TH}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
V _{MIN}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{START}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
I _{CC}	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS

(1) Parameter out of limits.

The values measured and graphs with the evolution of the previous parameters during the irradiation test and annealing sequence are available in ANNEX I.

CONCLUSION

The results obtained during the irradiation test, show that this lot is sensitive to the cumulative radiation dose when tested at dose rates of 35.4 rad(Si)/h and 323.7 rad(Si)/h up to a cumulative dose of 100krad(Si).

The most affected parameter is the VREF that starts to be out of limits at 50krad step. The degradation observed in the samples biased OFF is higher than the observed in the samples biased ON.

In the IIB parameter of the Error Amplifier it is observed a great deviation with regard to the initial values, but the parameter remains under limits during all irradiation test.

In general, the samples biased OFF show a higher degradation than the samples biased ON.

SCHEDULE

ELDR Average Dose Rate (1) rad(Si)/h	LDR Average Dose Rate (2) rad(Si)/h	Cummulative ELDR Total Dose krad(Si)	ELDR Measurement date --	Cummulative LDR Total Dose krad(Si)	LDR Measurement date --	Step Deviation ELDR vs LDR (%)
--	--	0	2012/02/15	0	2012/06/04	--
35.41	323.7	5240	2012/02/21	5707	2012/06/05	8.9
		12168	2012/02/29	13362	2012/06/06	9.8
		19201	2012/03/08	20644	2012/06/07	7.5
		28612	2012/03/19	28167	2012/06/08	-1.5
		48417	2012/04/11	48498	2012/06/11	0.1
		106074	2012/06/18	102360	2012/06/18	-3.7
Annealing						
ann24h @25°C	24	--	2012/06/19	--	2012/06/19	
ann168h @100°C	168	--	2012/06/26	--	2012/06/26	

(1) The minimum and maximum dose rate registered were 18.6rad (Si)/h and 38.9rad (Si)/h respectively.

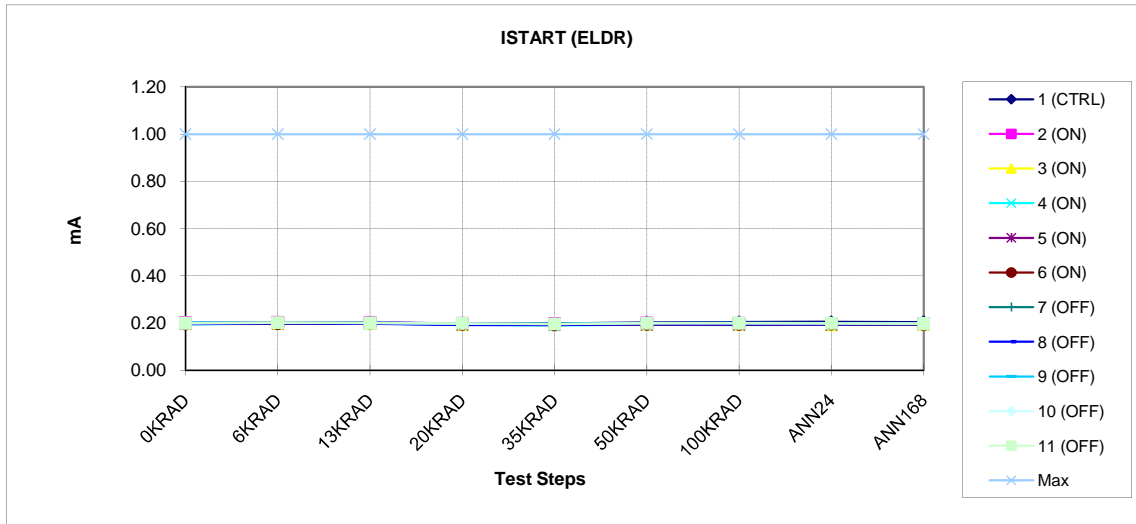
(2) The minimum and maximum dose rate registered were 271.2 rad(Si)/h and 360.6 rad(Si)/h respectively.

ELECTRICAL MEASUREMENTS EQUIPMENT LIST

REF INVENT	DESCRIPTION	MFR	MODEL	CALIBRATION DUE	USAGE
LE0124.000	UNIVERSAL TEST SYSTEM	SZ	M-3000	2012/08/15	0,6,13,20,35,50,100Krad, ANN24, ANN168
N/A	TEST ADAPTER	SZ	UNIVERSAL FRONT ADAPTER	--	0,6,13,20,35,50,100Krad, ANN24, ANN168

Note 1: This part type was measured with a Universal Test Adapter with serial number 913842 propriety of ESA.

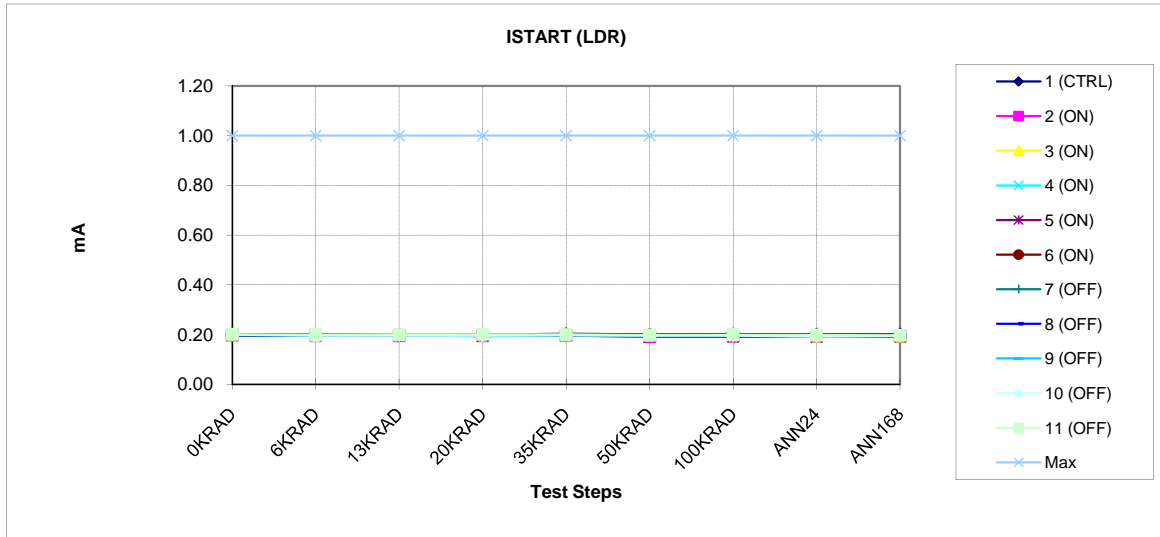
ANNEX I ELECTRICAL MEASUREMENTS GRAPHS



ISTART (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	1	1	1	1	1	1	1	1	1
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21	0.20

Bias on results									
2 (ON)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
3 (ON)	0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.19	0.19
4 (ON)	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19
5 (ON)	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.20
6 (ON)	0.20	0.20	0.20	0.20	0.19	0.20	0.20	0.20	0.19
Statistics bias on									
min result	0.20	0.20	0.20	0.19	0.19	0.19	0.19	0.19	0.19
max result	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
average	0.20	0.20	0.20	0.20	0.19	0.20	0.19	0.19	0.20
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

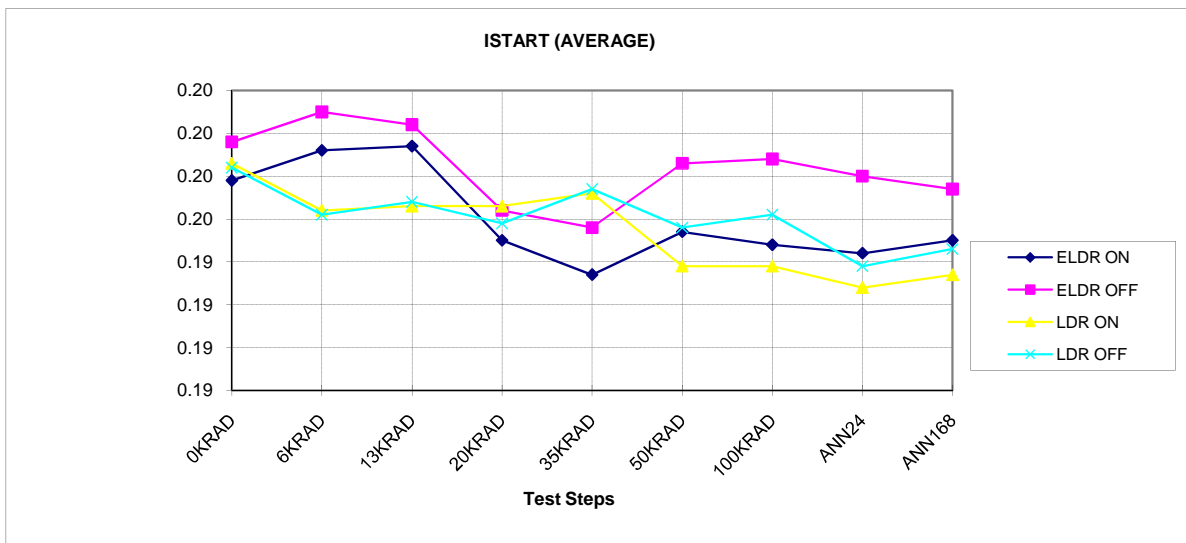
Bias off results									
7 (OFF)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
8 (OFF)	0.20	0.20	0.20	0.19	0.19	0.20	0.20	0.19	0.19
9 (OFF)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
10 (OFF)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
11 (OFF)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Statistics bias off									
min result	0.20	0.20	0.20	0.19	0.19	0.20	0.20	0.19	0.19
max result	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
average	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



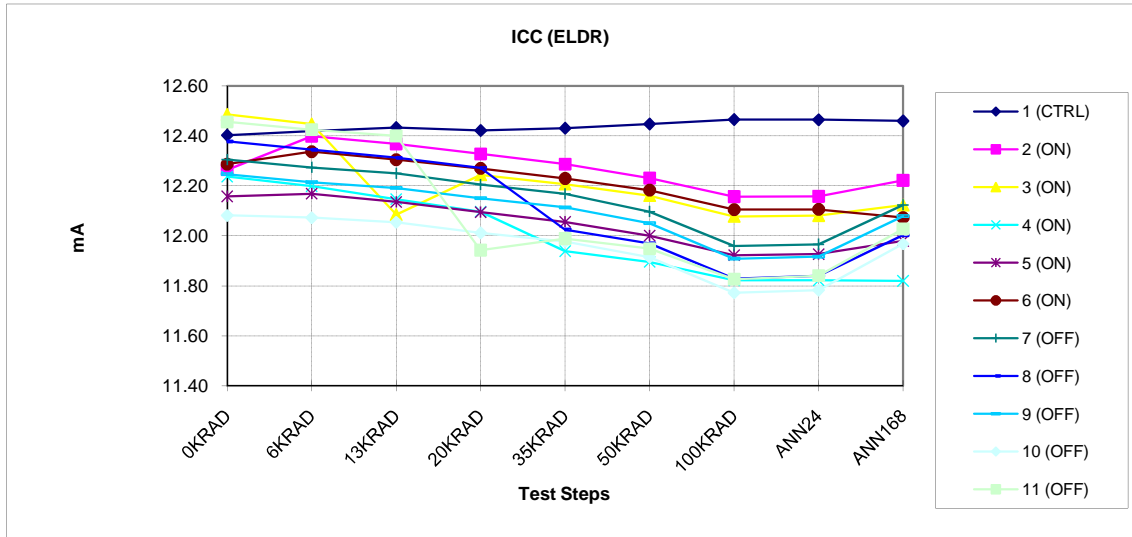
ISTART (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	1	1	1	1	1	1	1	1	1
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20

Bias on results									
2 (ON)	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19
3 (ON)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19
4 (ON)	0.20	0.20	0.20	0.20	0.20	0.19	0.20	0.19	0.19
5 (ON)	0.20	0.20	0.20	0.19	0.20	0.19	0.19	0.19	0.19
6 (ON)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Statistics bias on									
min result	0.20	0.20	0.20	0.19	0.20	0.19	0.19	0.19	0.19
max result	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
average	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Bias off results									
7 (OFF)	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19
8 (OFF)	0.20	0.19	0.20	0.20	0.20	0.20	0.20	0.19	0.19
9 (OFF)	0.20	0.20	0.20	0.19	0.20	0.20	0.20	0.19	0.19
10 (OFF)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19
11 (OFF)	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Statistics bias off									
min result	0.20	0.19	0.20	0.19	0.20	0.19	0.19	0.19	0.19
max result	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
average	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



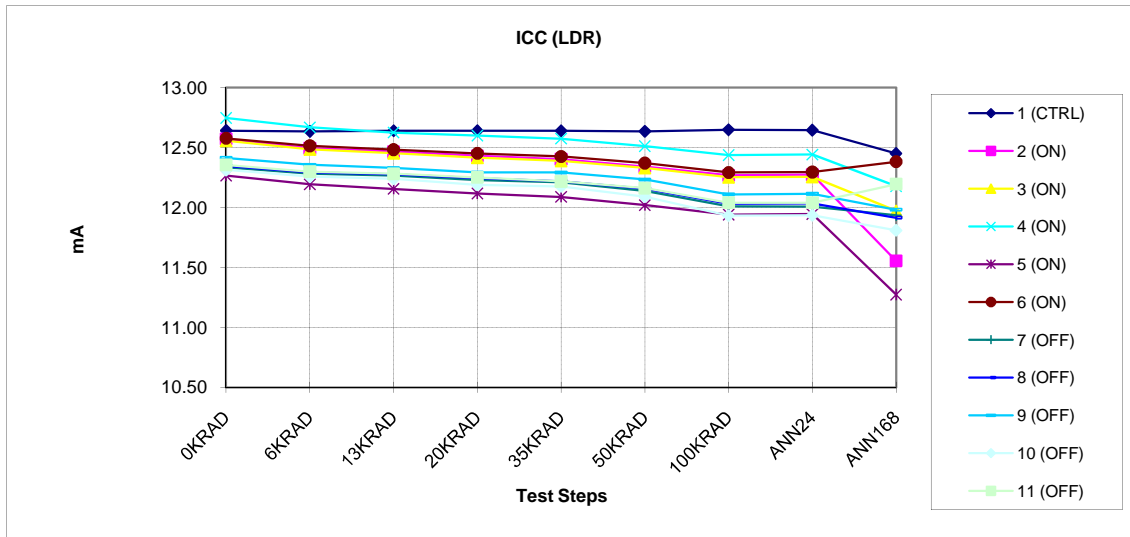
ISTART (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.20	0.20	0.20	0.20	0.19	0.20	0.19	0.19	0.20
ELDR OFF	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
LDR ON	0.20	0.20	0.20	0.20	0.20	0.19	0.19	0.19	0.19
LDR OFF	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.19



ICC (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	17	17	17	17	17	17	17	17	17
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	12.40	12.42	12.43	12.42	12.43	12.45	12.47	12.47	12.46

Bias on results									
2 (ON)	12.27	12.40	12.37	12.33	12.29	12.23	12.16	12.16	12.22
3 (ON)	12.49	12.45	12.09	12.24	12.21	12.16	12.08	12.08	12.12
4 (ON)	12.24	12.20	12.15	12.10	11.94	11.90	11.82	11.82	11.82
5 (ON)	12.16	12.17	12.14	12.10	12.06	12.00	11.92	11.93	11.98
6 (ON)	12.29	12.34	12.31	12.27	12.23	12.18	12.11	12.11	12.07
Statistics bias on									
min result	12.16	12.17	12.09	12.10	11.94	11.90	11.82	11.82	11.82
max result	12.49	12.45	12.37	12.33	12.29	12.23	12.16	12.16	12.22
average	12.29	12.31	12.21	12.21	12.14	12.09	12.02	12.02	12.04
sigma	0.12	0.12	0.12	0.11	0.14	0.14	0.14	0.14	0.15

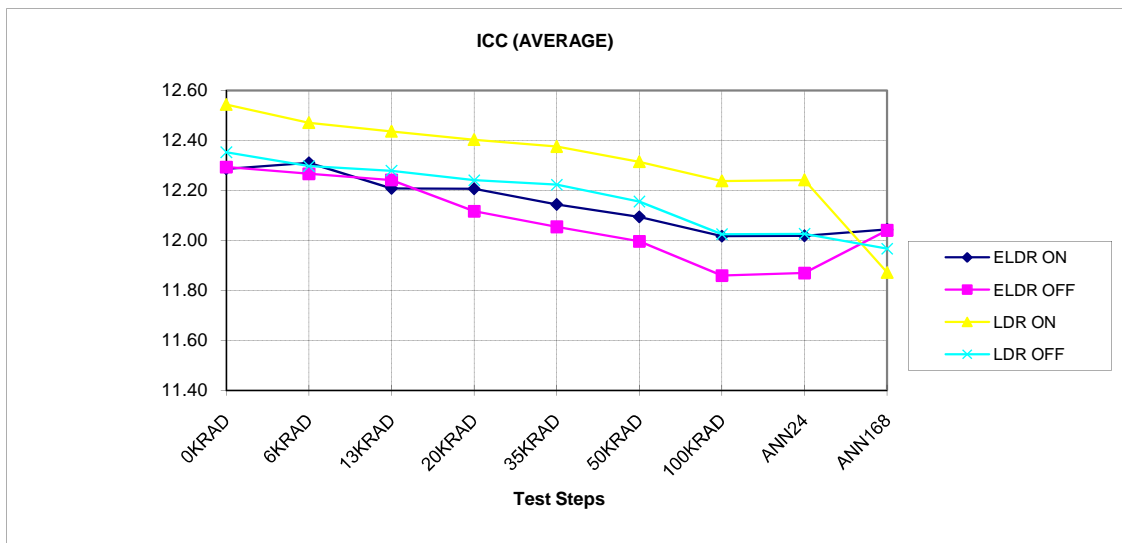
Bias off results									
7 (OFF)	12.31	12.27	12.25	12.21	12.17	12.10	11.96	11.97	12.12
8 (OFF)	12.38	12.35	12.31	12.27	12.03	11.97	11.83	11.84	12.00
9 (OFF)	12.25	12.22	12.19	12.15	12.11	12.05	11.91	11.92	12.08
10 (OFF)	12.08	12.07	12.06	12.01	11.98	11.92	11.77	11.78	11.97
11 (OFF)	12.46	12.43	12.40	11.94	11.99	11.95	11.83	11.84	12.03
Statistics bias off									
min result	12.08	12.07	12.06	11.94	11.98	11.92	11.77	11.78	11.97
max result	12.46	12.43	12.40	12.27	12.17	12.10	11.96	11.97	12.12
average	12.29	12.27	12.24	12.12	12.05	12.00	11.86	11.87	12.04
sigma	0.14	0.13	0.13	0.14	0.08	0.08	0.07	0.07	0.06



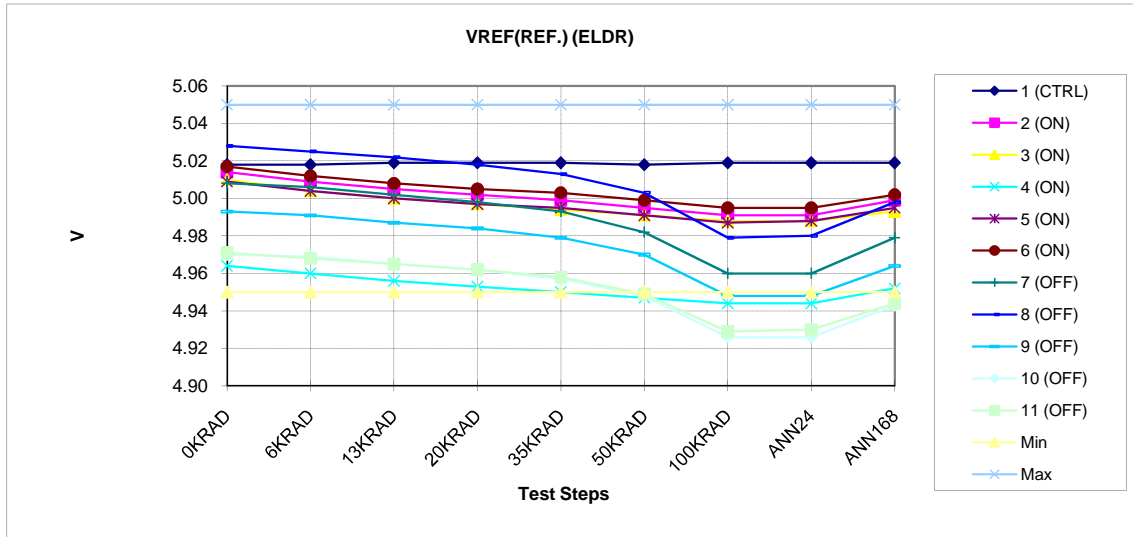
ICC (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	17	17	17	17	17	17	17	17	17
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	12.64	12.63	12.64	12.64	12.64	12.64	12.65	12.64	12.45

Bias on results									
2 (ON)	12.57	12.50	12.47	12.43	12.40	12.34	12.27	12.27	11.56
3 (ON)	12.56	12.49	12.45	12.42	12.39	12.33	12.25	12.26	11.97
4 (ON)	12.75	12.67	12.63	12.60	12.57	12.51	12.44	12.44	12.18
5 (ON)	12.27	12.19	12.16	12.12	12.09	12.02	11.94	11.95	11.27
6 (ON)	12.58	12.51	12.48	12.45	12.43	12.37	12.29	12.30	12.38
Statistics bias on									
min result	12.27	12.19	12.16	12.12	12.09	12.02	11.94	11.95	11.27
max result	12.75	12.67	12.63	12.60	12.57	12.51	12.44	12.44	12.38
average	12.54	12.47	12.44	12.40	12.38	12.31	12.24	12.24	11.87
sigma	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.18	0.45

Bias off results									
7 (OFF)	12.34	12.28	12.27	12.23	12.21	12.14	12.01	12.01	11.94
8 (OFF)	12.35	12.29	12.28	12.24	12.22	12.16	12.03	12.03	11.92
9 (OFF)	12.41	12.36	12.33	12.29	12.29	12.23	12.11	12.11	11.98
10 (OFF)	12.31	12.26	12.24	12.19	12.18	12.09	11.93	11.94	11.81
11 (OFF)	12.36	12.30	12.28	12.25	12.22	12.16	12.04	12.04	12.20
Statistics bias off									
min result	12.31	12.26	12.24	12.19	12.18	12.09	11.93	11.94	11.81
max result	12.41	12.36	12.33	12.29	12.29	12.23	12.11	12.11	12.20
average	12.35	12.30	12.28	12.24	12.22	12.16	12.02	12.03	11.97
sigma	0.04	0.04	0.03	0.04	0.04	0.05	0.06	0.06	0.14



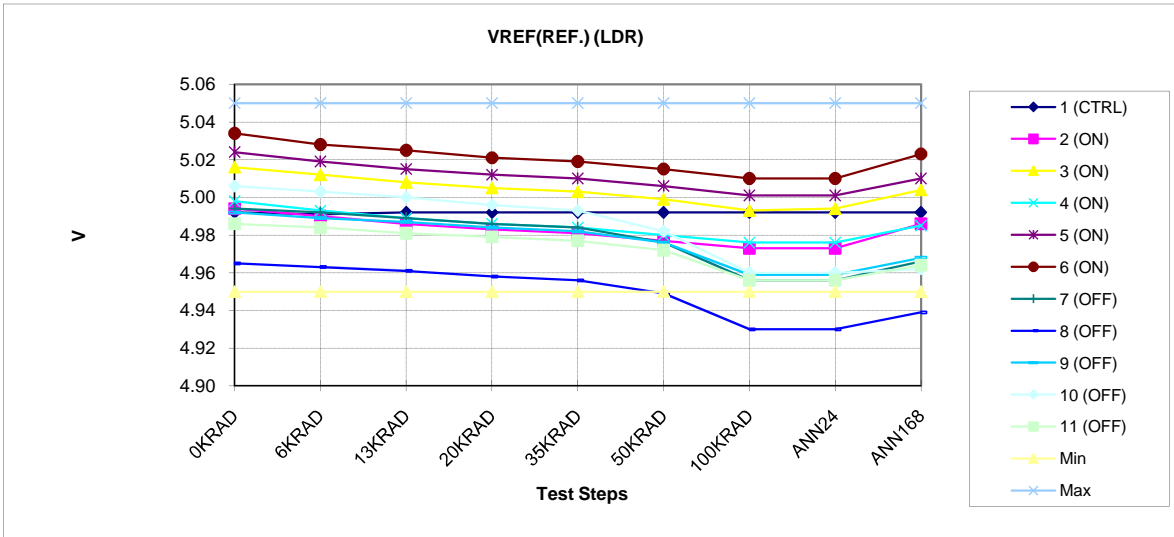
ICC (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	12.29	12.31	12.21	12.21	12.14	12.09	12.02	12.02	12.04
ELDR OFF	12.29	12.27	12.24	12.12	12.05	12.00	11.86	11.87	12.04
LDR ON	12.54	12.47	12.44	12.40	12.38	12.31	12.24	12.24	11.87
LDR OFF	12.35	12.30	12.28	12.24	12.22	12.16	12.02	12.03	11.97



VREF(REF.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
Max	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02	5.02

Bias on results									
2 (ON)	5.01	5.01	5.01	5.00	5.00	5.00	4.99	4.99	5.00
3 (ON)	5.01	5.00	5.00	5.00	4.99	4.99	4.99	4.99	4.99
4 (ON)	4.96	4.96	4.96	4.95	4.95	4.95	4.94	4.94	4.95
5 (ON)	5.01	5.00	5.00	5.00	5.00	4.99	4.99	4.99	5.00
6 (ON)	5.02	5.01	5.01	5.01	5.00	5.00	5.00	5.00	5.00
Statistics bias on									
min result	4.96	4.96	4.96	4.95	4.95	4.95	4.94	4.94	4.95
max result	5.02	5.01	5.01	5.01	5.00	5.00	5.00	5.00	5.00
average	5.00	5.00	4.99	4.99	4.99	4.98	4.98	4.98	4.99
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

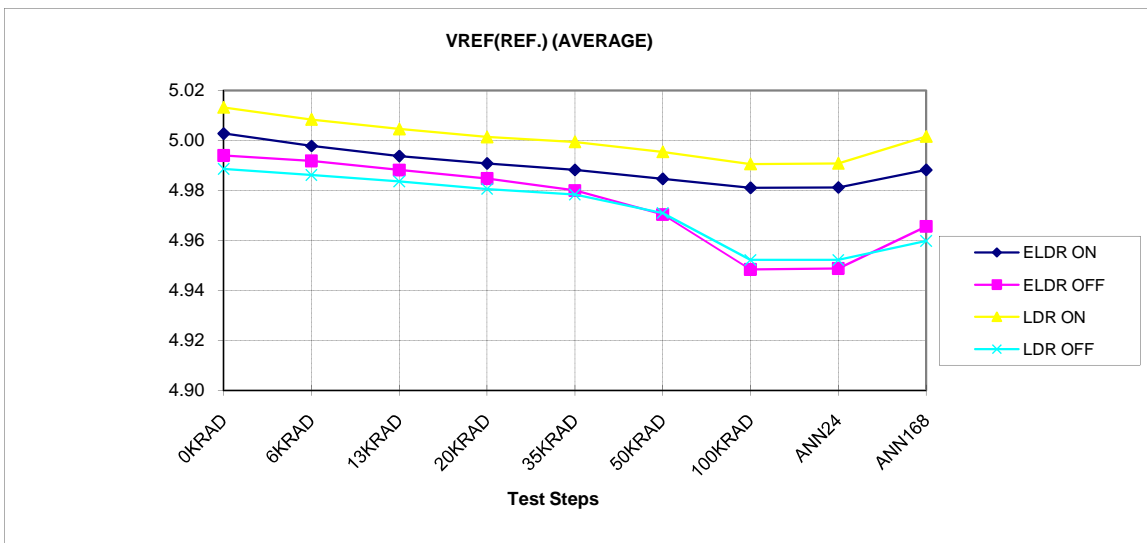
Bias off results									
7 (OFF)	5.01	5.01	5.00	5.00	4.99	4.98	4.96	4.96	4.98
8 (OFF)	5.03	5.03	5.02	5.02	5.01	5.00	4.98	4.98	5.00
9 (OFF)	4.99	4.99	4.99	4.98	4.98	4.97	4.95	4.95	4.96
10 (OFF)	4.97	4.97	4.97	4.96	4.96	4.95	4.93	4.93	4.94
11 (OFF)	4.97	4.97	4.97	4.96	4.96	4.95	4.93	4.93	4.94
Statistics bias off									
min result	4.97	4.97	4.97	4.96	4.96	4.95	4.93	4.93	4.94
max result	5.03	5.03	5.02	5.02	5.01	5.00	4.98	4.98	5.00
average	4.99	4.99	4.99	4.98	4.98	4.97	4.95	4.95	4.97
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02



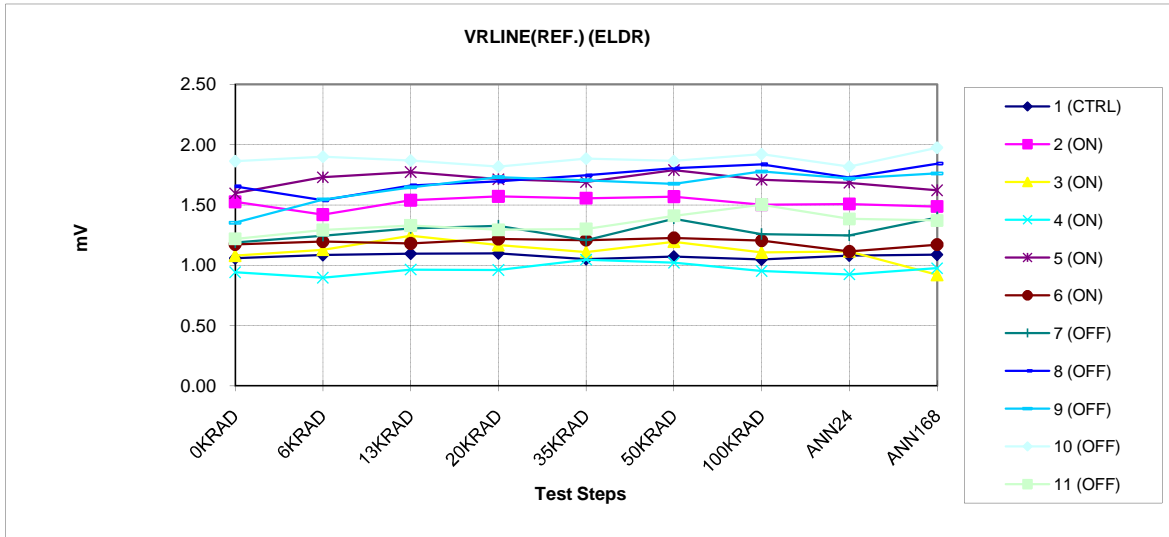
VREF(REF.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
Max	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05	5.05
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99	4.99

Bias on results									
2 (ON)	4.99	4.99	4.99	4.98	4.98	4.98	4.97	4.97	4.99
3 (ON)	5.02	5.01	5.01	5.01	5.00	5.00	4.99	4.99	5.00
4 (ON)	5.00	4.99	4.99	4.99	4.98	4.98	4.98	4.98	4.99
5 (ON)	5.02	5.02	5.02	5.01	5.01	5.01	5.00	5.00	5.01
6 (ON)	5.03	5.03	5.03	5.02	5.02	5.02	5.01	5.01	5.02
Statistics bias on									
min result	4.99	4.99	4.99	4.98	4.98	4.98	4.97	4.97	4.99
max result	5.03	5.03	5.03	5.02	5.02	5.02	5.01	5.01	5.02
average	5.01	5.01	5.00	5.00	5.00	5.00	4.99	4.99	5.00
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Bias off results									
7 (OFF)	4.99	4.99	4.99	4.99	4.98	4.98	4.96	4.96	4.97
8 (OFF)	4.97	4.96	4.96	4.96	4.96	4.95	4.93	4.93	4.94
9 (OFF)	4.99	4.99	4.99	4.98	4.98	4.98	4.96	4.96	4.97
10 (OFF)	5.01	5.00	5.00	5.00	4.99	4.98	4.96	4.96	4.96
11 (OFF)	4.99	4.98	4.98	4.98	4.98	4.97	4.96	4.96	4.96
Statistics bias off									
min result	4.97	4.96	4.96	4.96	4.96	4.95	4.93	4.93	4.94
max result	5.01	5.00	5.00	5.00	4.99	4.98	4.96	4.96	4.97
average	4.99	4.99	4.98	4.98	4.98	4.97	4.95	4.95	4.96
sigma	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



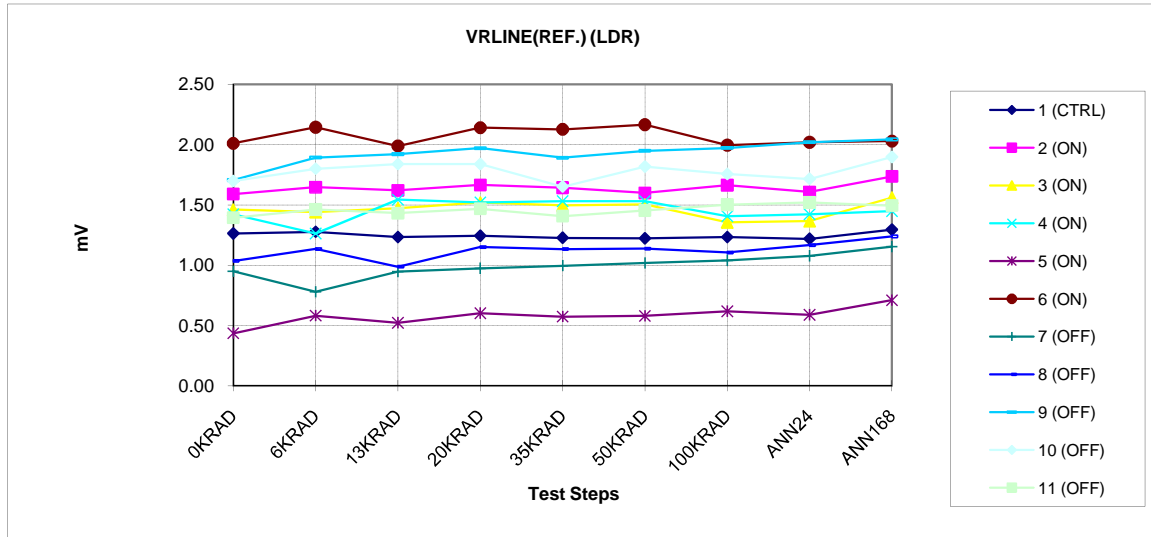
VREF(REF.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.00	5.00	4.99	4.99	4.99	4.98	4.98	4.98	4.99
ELDR OFF	4.99	4.99	4.99	4.98	4.98	4.97	4.95	4.95	4.97
LDR ON	5.01	5.01	5.00	5.00	5.00	5.00	4.99	4.99	5.00
LDR OFF	4.99	4.99	4.98	4.98	4.98	4.97	4.95	4.95	4.96



VRLINE(REF.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	1.06	1.09	1.10	1.10	1.05	1.07	1.05	1.08	1.09

Bias on results									
2 (ON)	1.53	1.42	1.54	1.57	1.56	1.57	1.50	1.51	1.49
3 (ON)	1.08	1.13	1.24	1.17	1.11	1.20	1.11	1.12	0.92
4 (ON)	0.94	0.90	0.96	0.96	1.05	1.02	0.95	0.92	0.98
5 (ON)	1.60	1.73	1.77	1.71	1.69	1.79	1.71	1.68	1.62
6 (ON)	1.17	1.20	1.18	1.22	1.21	1.23	1.21	1.11	1.17
Statistics bias on									
min result	0.94	0.90	0.96	0.96	1.05	1.02	0.95	0.92	0.92
max result	1.60	1.73	1.77	1.71	1.69	1.79	1.71	1.68	1.62
average	1.26	1.27	1.34	1.33	1.32	1.36	1.29	1.27	1.23
sigma	0.28	0.32	0.32	0.31	0.28	0.31	0.31	0.31	0.31

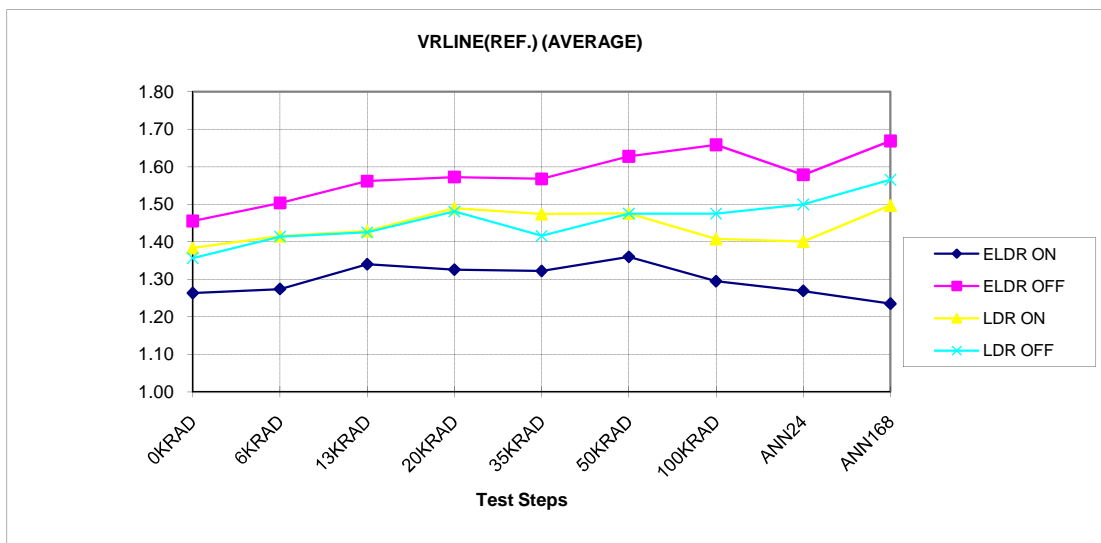
Bias off results									
7 (OFF)	1.19	1.24	1.31	1.33	1.21	1.39	1.26	1.25	1.40
8 (OFF)	1.65	1.54	1.66	1.70	1.75	1.80	1.84	1.73	1.84
9 (OFF)	1.35	1.55	1.65	1.73	1.70	1.68	1.78	1.72	1.76
10 (OFF)	1.86	1.90	1.87	1.82	1.88	1.86	1.92	1.82	1.98
11 (OFF)	1.22	1.29	1.33	1.29	1.30	1.41	1.50	1.38	1.37
Statistics bias off									
min result	1.19	1.24	1.31	1.29	1.21	1.39	1.26	1.25	1.37
max result	1.86	1.90	1.87	1.82	1.88	1.86	1.92	1.82	1.98
average	1.46	1.50	1.56	1.57	1.57	1.63	1.66	1.58	1.67
sigma	0.29	0.26	0.24	0.24	0.30	0.22	0.27	0.25	0.27



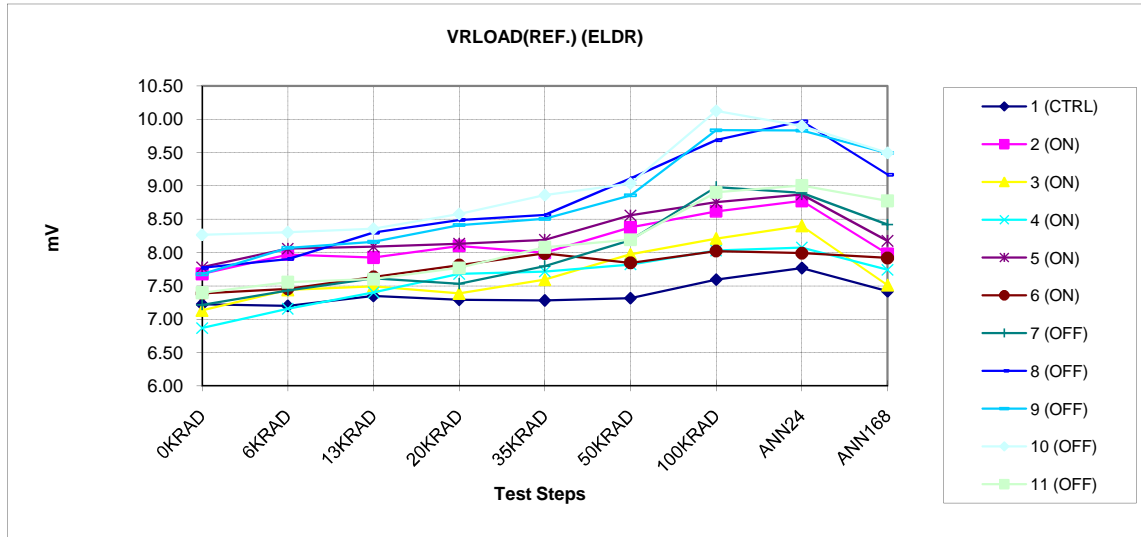
VRLINE(REF.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	20	20	20	20	20	20	20	20	20
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	1.26	1.28	1.23	1.24	1.23	1.22	1.23	1.22	1.30

Bias on results									
2 (ON)	1.59	1.65	1.62	1.67	1.64	1.60	1.66	1.61	1.74
3 (ON)	1.46	1.44	1.47	1.52	1.50	1.50	1.36	1.37	1.56
4 (ON)	1.42	1.26	1.54	1.52	1.53	1.53	1.41	1.42	1.45
5 (ON)	0.44	0.58	0.52	0.60	0.57	0.58	0.62	0.59	0.71
6 (ON)	2.01	2.14	1.99	2.14	2.13	2.17	2.00	2.02	2.03
Statistics bias on									
min result	0.44	0.58	0.52	0.60	0.57	0.58	0.62	0.59	0.71
max result	2.01	2.14	1.99	2.14	2.13	2.17	2.00	2.02	2.03
average	1.38	1.42	1.43	1.49	1.47	1.48	1.41	1.40	1.50
sigma	0.58	0.57	0.54	0.56	0.56	0.57	0.51	0.52	0.49

Bias off results									
7 (OFF)	0.95	0.78	0.95	0.97	1.00	1.02	1.04	1.08	1.15
8 (OFF)	1.04	1.14	0.99	1.15	1.13	1.14	1.11	1.17	1.24
9 (OFF)	1.71	1.89	1.92	1.97	1.89	1.95	1.97	2.02	2.04
10 (OFF)	1.70	1.80	1.84	1.84	1.65	1.82	1.76	1.72	1.90
11 (OFF)	1.39	1.46	1.43	1.47	1.41	1.45	1.50	1.52	1.50
Statistics bias off									
min result	0.95	0.78	0.95	0.97	1.00	1.02	1.04	1.08	1.15
max result	1.71	1.89	1.92	1.97	1.89	1.95	1.97	2.02	2.04
average	1.36	1.41	1.43	1.48	1.42	1.48	1.48	1.50	1.57
sigma	0.36	0.46	0.46	0.43	0.37	0.41	0.40	0.39	0.39



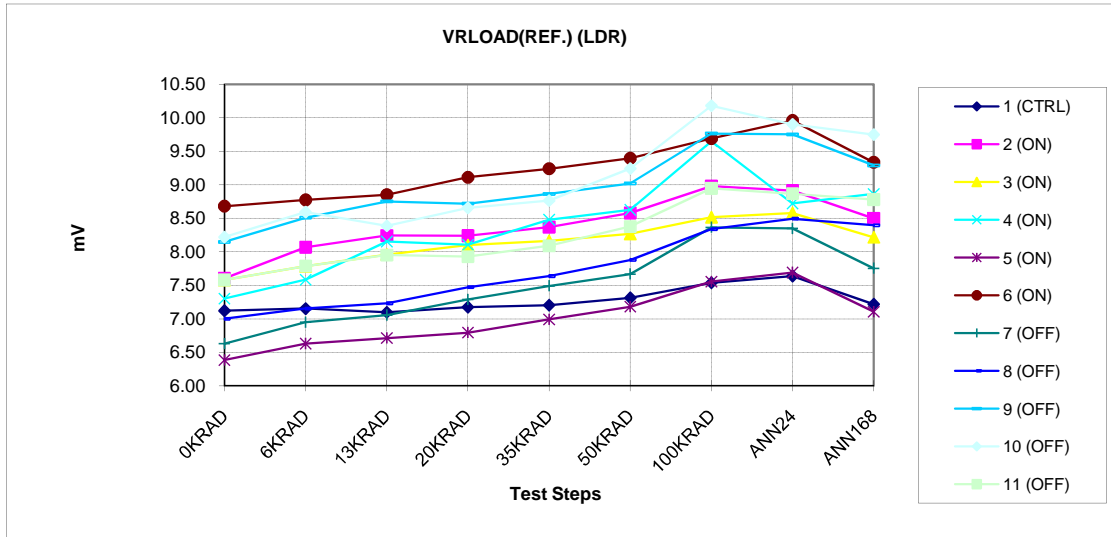
VRLINE(REF.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.26	1.27	1.34	1.33	1.32	1.36	1.29	1.27	1.23
ELDR OFF	1.46	1.50	1.56	1.57	1.57	1.63	1.66	1.58	1.67
LDR ON	1.38	1.42	1.43	1.49	1.47	1.48	1.41	1.40	1.50
LDR OFF	1.36	1.41	1.43	1.48	1.42	1.48	1.48	1.50	1.57



VRLOAD(REF.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	25	25	25	25	25	25	25	25	25
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	7.22	7.20	7.35	7.29	7.28	7.32	7.60	7.77	7.42

Bias on results									
2 (ON)	7.68	7.97	7.93	8.10	8.00	8.38	8.62	8.78	7.98
3 (ON)	7.13	7.44	7.49	7.39	7.59	7.97	8.21	8.40	7.51
4 (ON)	6.87	7.16	7.40	7.68	7.72	7.82	8.03	8.08	7.74
5 (ON)	7.78	8.06	8.09	8.13	8.19	8.56	8.76	8.87	8.18
6 (ON)	7.39	7.46	7.64	7.81	7.99	7.85	8.02	7.99	7.92
Statistics bias on									
min result	6.87	7.16	7.40	7.39	7.59	7.82	8.02	7.99	7.51
max result	7.78	8.06	8.09	8.13	8.19	8.56	8.76	8.87	8.18
average	7.37	7.62	7.71	7.82	7.90	8.12	8.33	8.42	7.87
sigma	0.38	0.38	0.29	0.31	0.24	0.33	0.34	0.40	0.25

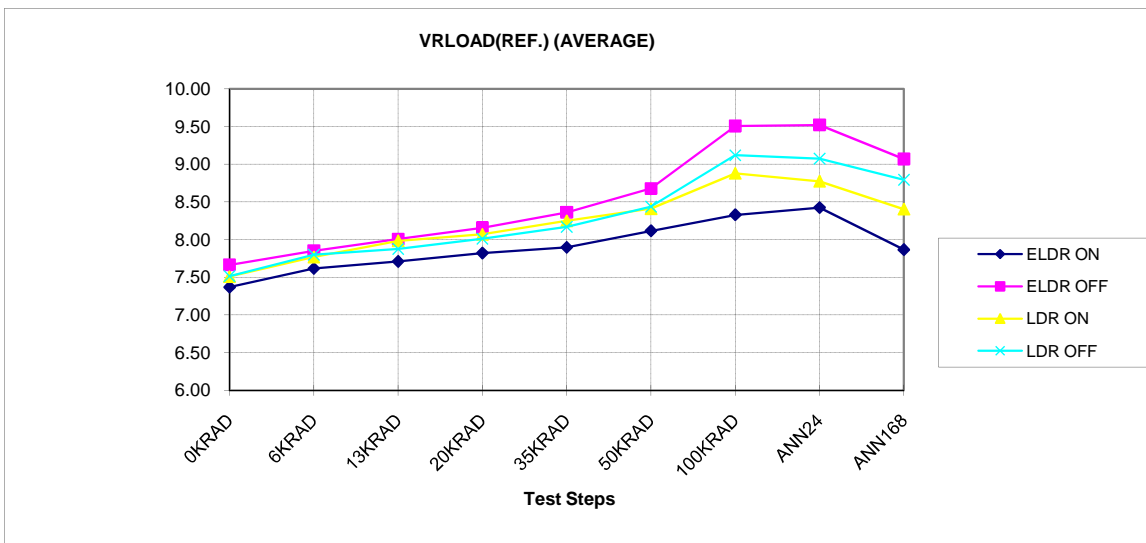
Bias off results									
7 (OFF)	7.22	7.43	7.61	7.53	7.80	8.18	8.98	8.89	8.42
8 (OFF)	7.77	7.90	8.30	8.49	8.56	9.11	9.69	9.97	9.17
9 (OFF)	7.68	8.07	8.16	8.41	8.51	8.86	9.84	9.83	9.49
10 (OFF)	8.27	8.30	8.36	8.58	8.86	9.04	10.13	9.90	9.49
11 (OFF)	7.40	7.56	7.60	7.77	8.08	8.19	8.90	9.01	8.78
Statistics bias off									
min result	7.22	7.43	7.60	7.53	7.80	8.18	8.90	8.89	8.42
max result	8.27	8.30	8.36	8.58	8.86	9.11	10.13	9.97	9.49
average	7.67	7.85	8.01	8.16	8.36	8.68	9.51	9.52	9.07
sigma	0.40	0.36	0.37	0.47	0.42	0.46	0.54	0.52	0.47



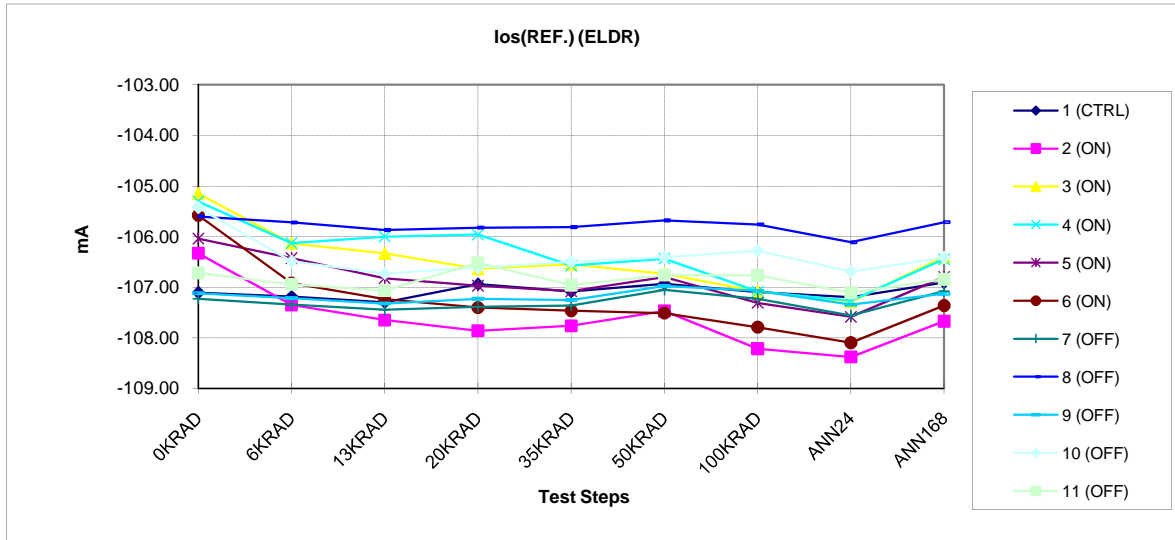
VRLOAD(REF.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	25	25	25	25	25	25	25	25	25
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	7.12	7.15	7.10	7.18	7.20	7.31	7.54	7.64	7.22

Bias on results									
2 (ON)	7.61	8.07	8.24	8.24	8.37	8.58	8.98	8.91	8.50
3 (ON)	7.58	7.78	7.96	8.10	8.16	8.27	8.52	8.58	8.22
4 (ON)	7.30	7.58	8.15	8.10	8.48	8.63	9.65	8.72	8.86
5 (ON)	6.39	6.63	6.71	6.79	6.99	7.18	7.56	7.69	7.11
6 (ON)	8.68	8.78	8.85	9.11	9.24	9.40	9.69	9.96	9.34
Statistics bias on									
min result	6.39	6.63	6.71	6.79	6.99	7.18	7.56	7.69	7.11
max result	8.68	8.78	8.85	9.11	9.24	9.40	9.69	9.96	9.34
average	7.51	7.77	7.98	8.07	8.25	8.41	8.88	8.77	8.40
sigma	0.82	0.78	0.78	0.83	0.81	0.80	0.89	0.81	0.84

Bias off results									
7 (OFF)	6.63	6.95	7.06	7.29	7.49	7.67	8.37	8.35	7.75
8 (OFF)	7.00	7.15	7.23	7.47	7.64	7.88	8.34	8.49	8.40
9 (OFF)	8.15	8.51	8.75	8.72	8.86	9.02	9.76	9.75	9.29
10 (OFF)	8.22	8.60	8.39	8.66	8.76	9.24	10.18	9.90	9.75
11 (OFF)	7.58	7.79	7.95	7.93	8.09	8.38	8.95	8.87	8.78
Statistics bias off									
min result	6.63	6.95	7.06	7.29	7.49	7.67	8.34	8.35	7.75
max result	8.22	8.60	8.75	8.72	8.86	9.24	10.18	9.90	9.75
average	7.52	7.80	7.88	8.01	8.17	8.44	9.12	9.07	8.79
sigma	0.70	0.75	0.73	0.66	0.63	0.69	0.83	0.72	0.77



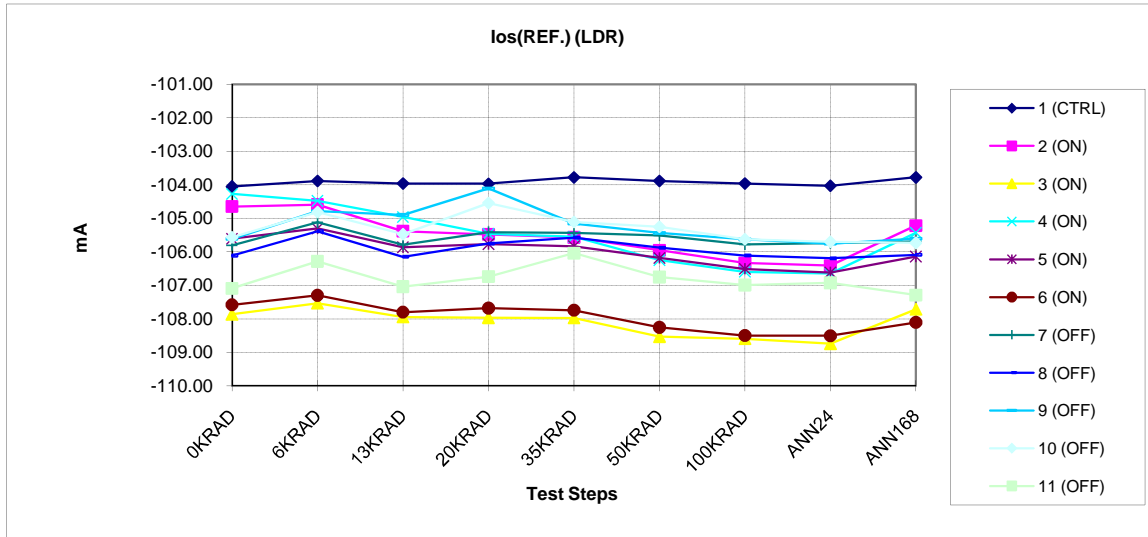
VRLOAD(REF.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	7.37	7.62	7.71	7.82	7.90	8.12	8.33	8.42	7.87
ELDR OFF	7.67	7.85	8.01	8.16	8.36	8.68	9.51	9.52	9.07
LDR ON	7.51	7.77	7.98	8.07	8.25	8.41	8.88	8.77	8.40
LDR OFF	7.52	7.80	7.88	8.01	8.17	8.44	9.12	9.07	8.79



Ios(REF.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-180	-180	-180	-180	-180	-180	-180	-180	-180
Max	-30	-30	-30	-30	-30	-30	-30	-30	-30
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	-107.11	-107.18	-107.30	-106.94	-107.09	-106.93	-107.10	-107.20	-106.91

Bias on results									
2 (ON)	-106.33	-107.35	-107.65	-107.86	-107.76	-107.47	-108.22	-108.38	-107.67
3 (ON)	-105.15	-106.13	-106.33	-106.64	-106.55	-106.74	-107.08	-107.29	-106.40
4 (ON)	-105.31	-106.13	-106.00	-105.96	-106.57	-106.44	-107.09	-107.27	-106.45
5 (ON)	-106.04	-106.43	-106.82	-106.97	-107.08	-106.80	-107.31	-107.59	-106.80
6 (ON)	-105.58	-106.92	-107.24	-107.40	-107.47	-107.51	-107.79	-108.10	-107.36
Statistics bias on									
min result	-106.33	-107.35	-107.65	-107.86	-107.76	-107.51	-108.22	-108.38	-107.67
max result	-105.15	-106.13	-106.00	-105.96	-106.55	-106.44	-107.08	-107.27	-106.40
average	-105.68	-106.59	-106.81	-106.97	-107.09	-106.99	-107.50	-107.72	-106.94
sigma	0.50	0.53	0.67	0.73	0.54	0.48	0.49	0.50	0.56

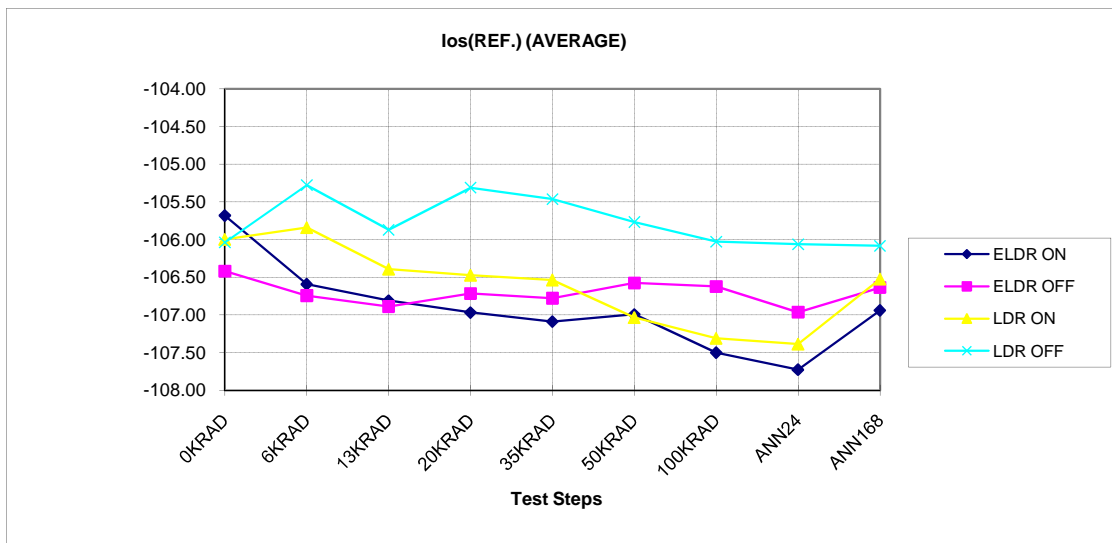
Bias off results									
7 (OFF)	-107.23	-107.35	-107.45	-107.39	-107.36	-107.05	-107.23	-107.56	-107.08
8 (OFF)	-105.60	-105.72	-105.87	-105.82	-105.81	-105.68	-105.76	-106.11	-105.72
9 (OFF)	-107.12	-107.22	-107.32	-107.23	-107.25	-106.98	-107.07	-107.35	-107.13
10 (OFF)	-105.43	-106.49	-106.73	-106.61	-106.50	-106.41	-106.28	-106.69	-106.41
11 (OFF)	-106.72	-106.94	-107.07	-106.52	-106.96	-106.76	-106.77	-107.11	-106.84
Statistics bias off									
min result	-107.23	-107.35	-107.45	-107.39	-107.36	-107.05	-107.23	-107.56	-107.13
max result	-105.43	-105.72	-105.87	-105.82	-105.81	-105.68	-105.76	-106.11	-105.72
average	-106.42	-106.74	-106.89	-106.72	-106.78	-106.58	-106.62	-106.96	-106.64
sigma	0.85	0.66	0.63	0.63	0.63	0.56	0.60	0.57	0.59



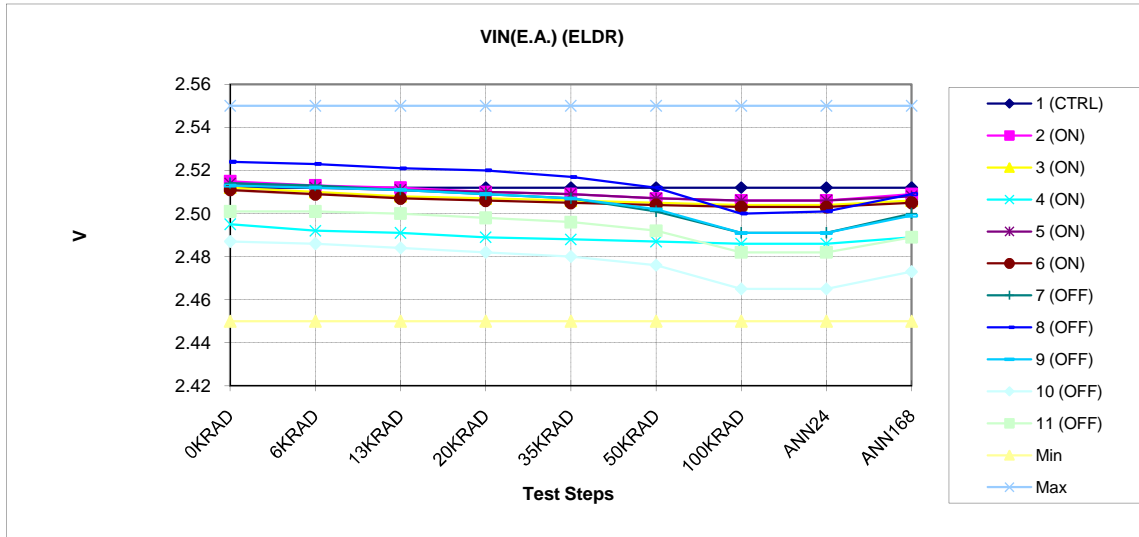
los(REF.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-180	-180	-180	-180	-180	-180	-180	-180	-180
Max	-30	-30	-30	-30	-30	-30	-30	-30	-30
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	-104.05	-103.88	-103.96	-103.97	-103.78	-103.88	-103.96	-104.03	-103.78

Bias on results									
2 (ON)	-104.65	-104.59	-105.38	-105.48	-105.57	-105.95	-106.34	-106.41	-105.22
3 (ON)	-107.86	-107.53	-107.94	-107.97	-107.97	-108.53	-108.59	-108.74	-107.71
4 (ON)	-104.27	-104.48	-104.96	-105.46	-105.55	-106.25	-106.60	-106.65	-105.43
5 (ON)	-105.61	-105.30	-105.86	-105.77	-105.83	-106.18	-106.51	-106.62	-106.14
6 (ON)	-107.58	-107.30	-107.80	-107.68	-107.74	-108.25	-108.50	-108.50	-108.11
Statistics bias on									
min result	-107.86	-107.53	-107.94	-107.97	-107.97	-108.53	-108.59	-108.74	-108.11
max result	-104.27	-104.48	-104.96	-105.46	-105.55	-105.95	-106.34	-106.41	-105.22
average	-105.99	-105.84	-106.39	-106.47	-106.53	-107.03	-107.31	-107.38	-106.52
sigma	1.65	1.47	1.39	1.24	1.22	1.25	1.13	1.14	1.32

Bias off results									
7 (OFF)	-105.80	-105.12	-105.79	-105.41	-105.43	-105.51	-105.78	-105.74	-105.69
8 (OFF)	-106.11	-105.38	-106.15	-105.75	-105.58	-105.88	-106.11	-106.19	-106.09
9 (OFF)	-105.61	-104.79	-104.90	-104.11	-105.16	-105.44	-105.63	-105.76	-105.61
10 (OFF)	-105.57	-104.81	-105.47	-104.54	-105.11	-105.26	-105.63	-105.70	-105.73
11 (OFF)	-107.09	-106.28	-107.04	-106.74	-106.04	-106.75	-106.99	-106.92	-107.29
Statistics bias off									
min result	-107.09	-106.28	-107.04	-106.74	-106.04	-106.75	-106.99	-106.92	-107.29
max result	-105.57	-104.79	-104.90	-104.11	-105.11	-105.26	-105.63	-105.70	-105.61
average	-106.04	-105.28	-105.87	-105.31	-105.46	-105.77	-106.03	-106.06	-106.08
sigma	0.63	0.61	0.80	1.03	0.38	0.60	0.57	0.52	0.70



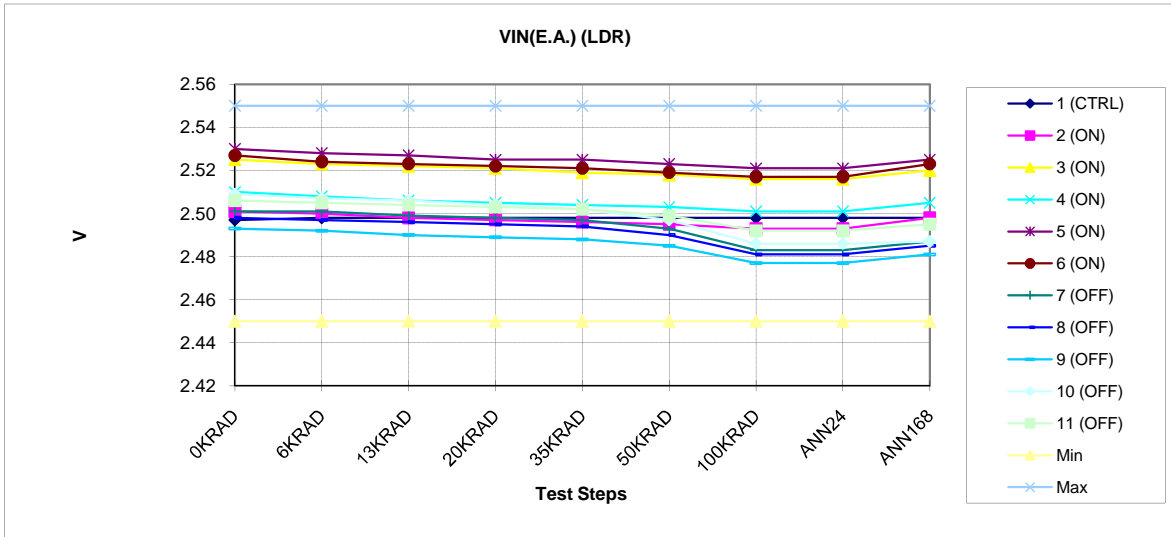
Ios(REF.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-105.68	-106.59	-106.81	-106.97	-107.09	-106.99	-107.50	-107.72	-106.94
ELDR OFF	-106.42	-106.74	-106.89	-106.72	-106.78	-106.58	-106.62	-106.96	-106.64
LDR ON	-105.99	-105.84	-106.39	-106.47	-106.53	-107.03	-107.31	-107.38	-106.52
LDR OFF	-106.04	-105.28	-105.87	-105.31	-105.46	-105.77	-106.03	-106.06	-106.08



VIN(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
Max	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51

Bias on results									
2 (ON)	2.52	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
3 (ON)	2.51	2.51	2.51	2.51	2.51	2.51	2.50	2.50	2.51
4 (ON)	2.50	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
5 (ON)	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
6 (ON)	2.51	2.51	2.51	2.51	2.51	2.50	2.50	2.50	2.51
Statistics bias on									
min result	2.50	2.49	2.49	2.49	2.49	2.49	2.49	2.49	2.49
max result	2.52	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
average	2.51	2.51	2.51	2.50	2.50	2.50	2.50	2.50	2.50
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

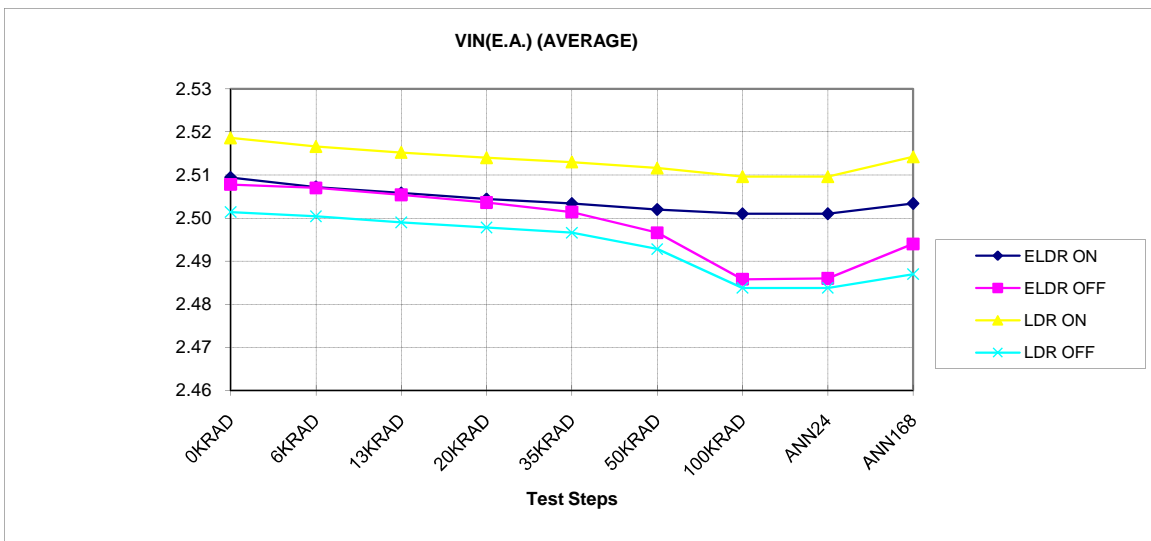
Bias off results									
7 (OFF)	2.51	2.51	2.51	2.51	2.51	2.50	2.49	2.49	2.50
8 (OFF)	2.52	2.52	2.52	2.52	2.52	2.51	2.50	2.50	2.51
9 (OFF)	2.51	2.51	2.51	2.51	2.51	2.50	2.49	2.49	2.50
10 (OFF)	2.49	2.49	2.48	2.48	2.48	2.48	2.47	2.47	2.47
11 (OFF)	2.50	2.50	2.50	2.50	2.50	2.49	2.48	2.48	2.49
Statistics bias off									
min result	2.49	2.49	2.48	2.48	2.48	2.48	2.47	2.47	2.47
max result	2.52	2.52	2.52	2.52	2.52	2.51	2.50	2.50	2.51
average	2.51	2.51	2.51	2.50	2.50	2.50	2.49	2.49	2.49
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



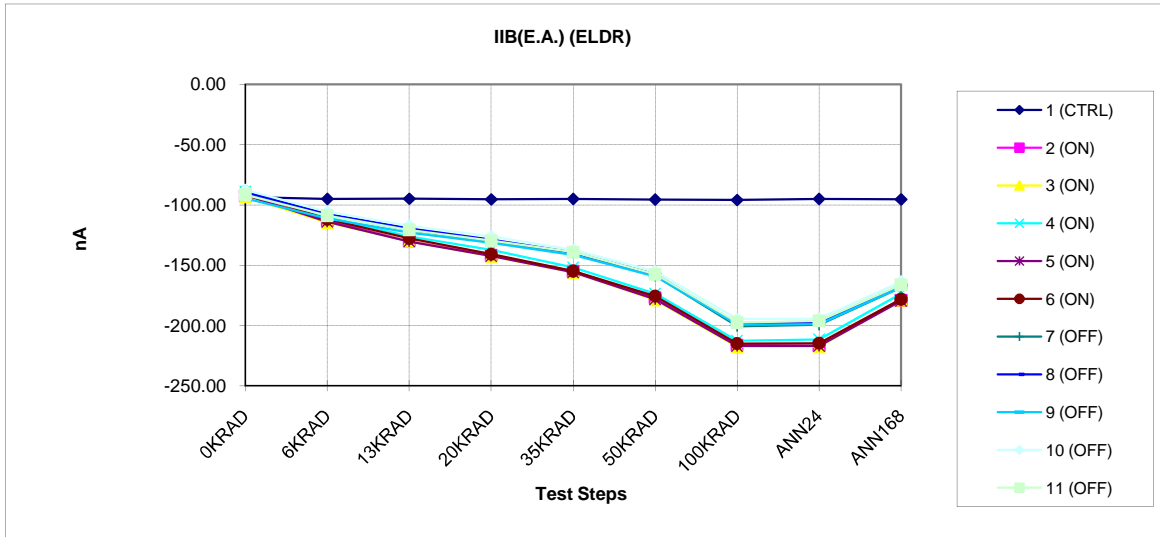
VIN(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45	2.45
Max	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55	2.55
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50

Bias on results									
2 (ON)	2.50	2.50	2.50	2.50	2.50	2.50	2.49	2.49	2.50
3 (ON)	2.53	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
4 (ON)	2.51	2.51	2.51	2.51	2.50	2.50	2.50	2.50	2.51
5 (ON)	2.53	2.53	2.53	2.53	2.53	2.52	2.52	2.52	2.53
6 (ON)	2.53	2.52	2.52	2.52	2.52	2.52	2.52	2.52	2.52
Statistics bias on									
min result	2.50	2.50	2.50	2.50	2.50	2.50	2.49	2.49	2.50
max result	2.53	2.53	2.53	2.53	2.53	2.52	2.52	2.52	2.53
average	2.52	2.52	2.52	2.51	2.51	2.51	2.51	2.51	2.51
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Bias off results									
7 (OFF)	2.50	2.50	2.50	2.50	2.50	2.49	2.48	2.48	2.49
8 (OFF)	2.50	2.50	2.50	2.50	2.49	2.49	2.48	2.48	2.49
9 (OFF)	2.49	2.49	2.49	2.49	2.49	2.49	2.48	2.48	2.48
10 (OFF)	2.51	2.51	2.51	2.50	2.50	2.50	2.49	2.49	2.49
11 (OFF)	2.51	2.51	2.50	2.50	2.50	2.50	2.49	2.49	2.50
Statistics bias off									
min result	2.49	2.49	2.49	2.49	2.49	2.49	2.48	2.48	2.48
max result	2.51	2.51	2.51	2.50	2.50	2.50	2.49	2.49	2.50
average	2.50	2.50	2.50	2.50	2.50	2.49	2.48	2.48	2.49
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01



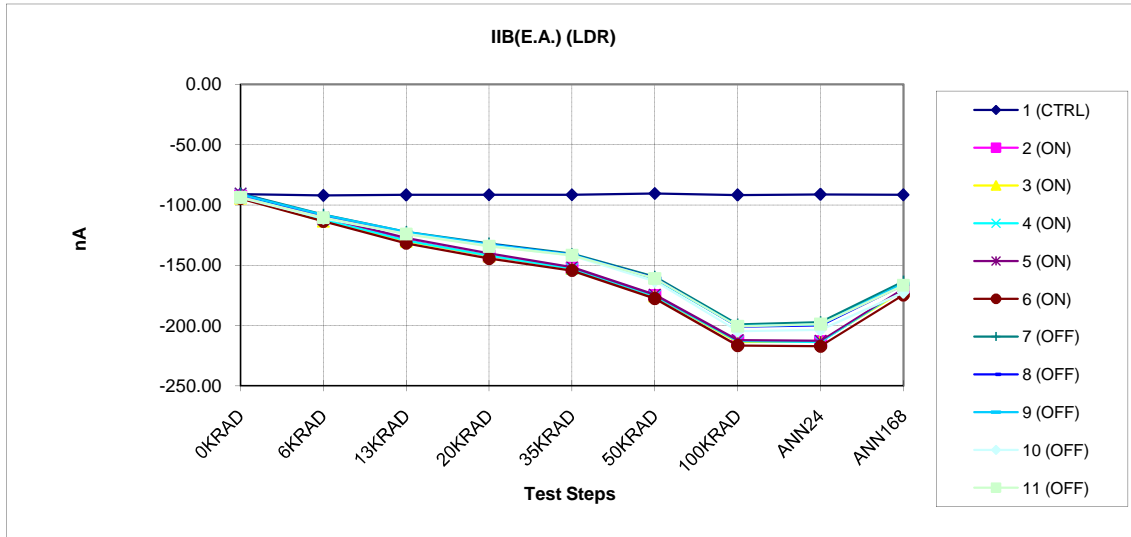
VIN(E.A.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	2.51	2.51	2.51	2.50	2.50	2.50	2.50	2.50	2.50
ELDR OFF	2.51	2.51	2.51	2.50	2.50	2.50	2.49	2.49	2.49
LDR ON	2.52	2.52	2.52	2.51	2.51	2.51	2.51	2.51	2.51
LDR OFF	2.50	2.50	2.50	2.50	2.50	2.49	2.48	2.48	2.49



IIB(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000
Max	--	--	--	--	--	--	--	--	--
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 (CTRL)	-93.59	-94.99	-94.91	-95.43	-95.08	-95.57	-95.96	-95.02	-95.44

Bias on results									
2 (ON)	-92.62	-113.20	-130.06	-141.69	-154.91	-176.94	-216.13	-216.74	-179.19
3 (ON)	-93.33	-114.56	-130.15	-142.49	-155.92	-178.75	-217.46	-217.31	-178.96
4 (ON)	-88.91	-110.16	-126.07	-137.34	-151.85	-173.51	-212.55	-211.41	-173.64
5 (ON)	-91.48	-113.90	-130.28	-142.40	-155.78	-178.19	-216.88	-216.89	-179.51
6 (ON)	-89.12	-111.86	-127.82	-140.82	-154.77	-175.59	-214.91	-214.65	-178.13
Statistics bias on									
min result	-93.33	-114.56	-130.28	-142.49	-155.92	-178.75	-217.46	-217.31	-179.51
max result	-88.91	-110.16	-126.07	-137.34	-151.85	-173.51	-212.55	-211.41	-173.64
average	-91.09	-112.74	-128.88	-140.95	-154.65	-176.60	-215.59	-215.40	-177.89
sigma	2.01	1.75	1.87	2.13	1.64	2.11	1.95	2.46	2.43

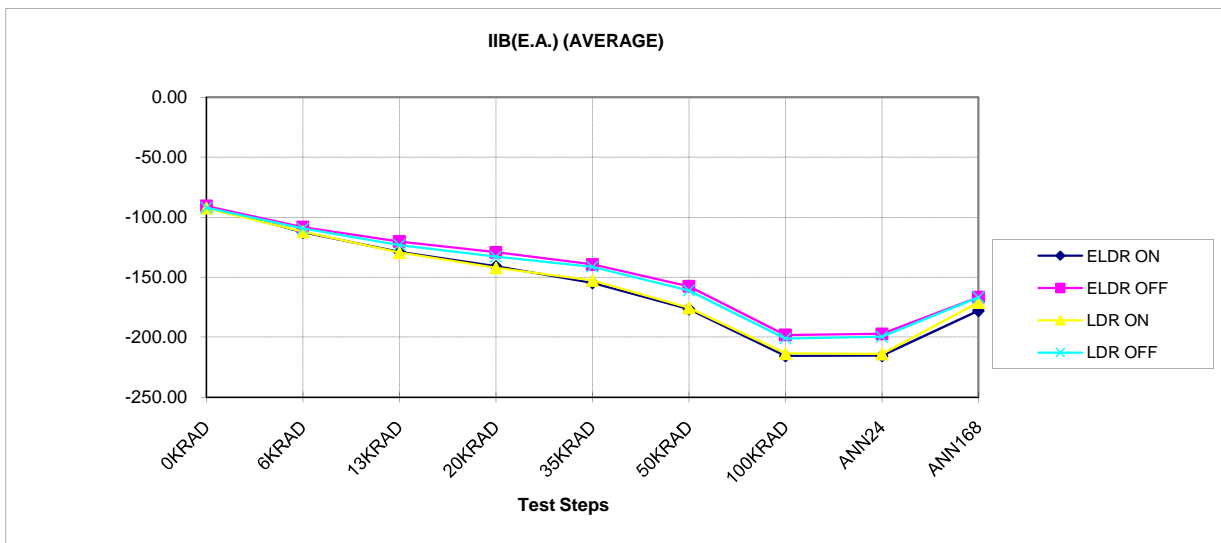
Bias off results									
7 (OFF)	-90.50	-108.13	-120.87	-130.59	-139.66	-158.77	-200.55	-199.43	-168.35
8 (OFF)	-89.22	-107.60	-119.51	-128.76	-139.33	-157.51	-198.55	-197.84	-166.59
9 (OFF)	-94.58	-111.27	-122.99	-131.30	-141.52	-159.23	-199.45	-198.76	-168.37
10 (OFF)	-87.52	-105.62	-117.22	-126.11	-137.26	-155.11	-194.68	-194.27	-163.65
11 (OFF)	-91.49	-108.83	-120.67	-129.61	-139.23	-157.50	-197.52	-196.04	-166.30
Statistics bias off									
min result	-94.58	-111.27	-122.99	-131.30	-141.52	-159.23	-200.55	-199.43	-168.37
max result	-87.52	-105.62	-117.22	-126.11	-137.26	-155.11	-194.68	-194.27	-163.65
average	-90.66	-108.29	-120.25	-129.27	-139.40	-157.62	-198.15	-197.27	-166.65
sigma	2.65	2.05	2.11	2.01	1.51	1.60	2.24	2.10	1.93



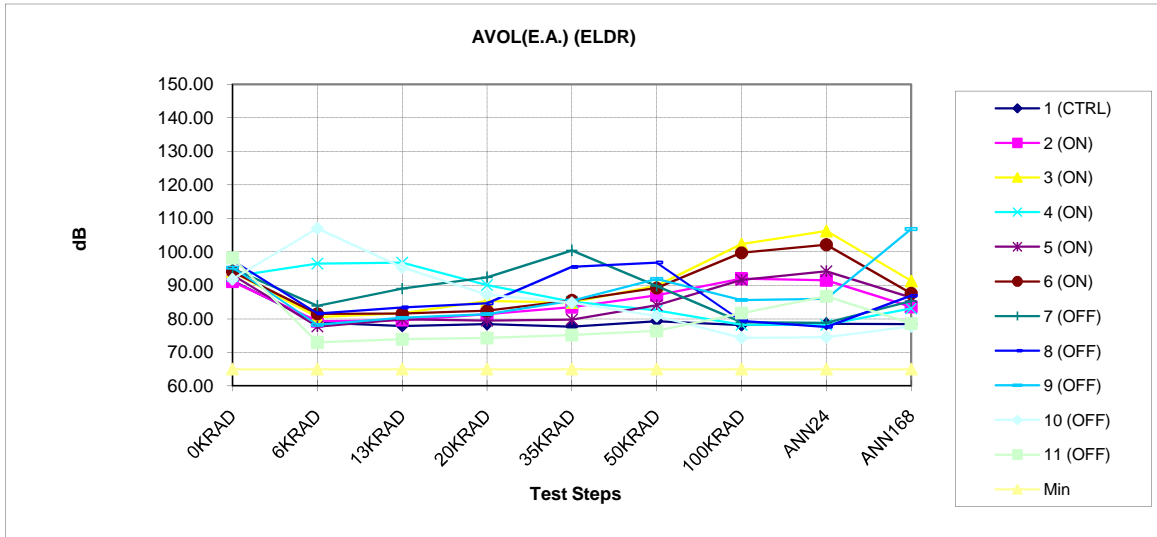
IIB(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000	-1000
Max	--	--	--	--	--	--	--	--	--
Unit	nA	nA	nA	nA	nA	nA	nA	nA	nA
Control Results									
1 (CTRL)	-91.20	-92.18	-91.74	-91.63	-91.67	-90.59	-91.76	-91.25	-91.66

Bias on results									
2 (ON)	-92.49	-111.56	-128.90	-142.47	-152.18	-175.05	-212.89	-213.30	-169.91
3 (ON)	-94.35	-113.47	-130.03	-142.34	-152.68	-175.51	-213.57	-213.13	-171.34
4 (ON)	-90.85	-112.11	-129.63	-142.14	-152.87	-175.51	-212.90	-213.60	-169.89
5 (ON)	-90.39	-110.28	-127.38	-140.11	-151.48	-174.29	-212.04	-212.62	-169.40
6 (ON)	-94.71	-113.64	-131.83	-144.45	-154.38	-177.62	-216.55	-217.20	-174.68
Statistics bias on									
min result	-94.71	-113.64	-131.83	-144.45	-154.38	-177.62	-216.55	-217.20	-174.68
max result	-90.39	-110.28	-127.38	-140.11	-151.48	-174.29	-212.04	-212.62	-169.40
average	-92.56	-112.21	-129.55	-142.30	-152.72	-175.60	-213.59	-213.97	-171.04
sigma	1.97	1.40	1.63	1.54	1.07	1.24	1.74	1.84	2.16

Bias off results									
7 (OFF)	-90.46	-108.06	-122.33	-131.83	-140.49	-159.42	-199.02	-197.26	-163.47
8 (OFF)	-90.98	-109.43	-123.10	-132.41	-141.22	-160.72	-200.81	-199.79	-166.15
9 (OFF)	-91.45	-108.22	-122.39	-132.85	-141.13	-161.19	-200.27	-199.20	-165.05
10 (OFF)	-93.92	-111.22	-123.96	-133.68	-142.09	-163.25	-204.71	-203.50	-172.44
11 (OFF)	-93.73	-110.53	-124.17	-134.37	-141.68	-160.98	-200.59	-198.77	-166.59
Statistics bias off									
min result	-93.92	-111.22	-124.17	-134.37	-142.09	-163.25	-204.71	-203.50	-172.44
max result	-90.46	-108.06	-122.33	-131.83	-140.49	-159.42	-199.02	-197.26	-163.47
average	-92.11	-109.49	-123.19	-133.03	-141.32	-161.11	-201.08	-199.70	-166.74
sigma	1.61	1.39	0.86	1.01	0.60	1.38	2.14	2.32	3.41



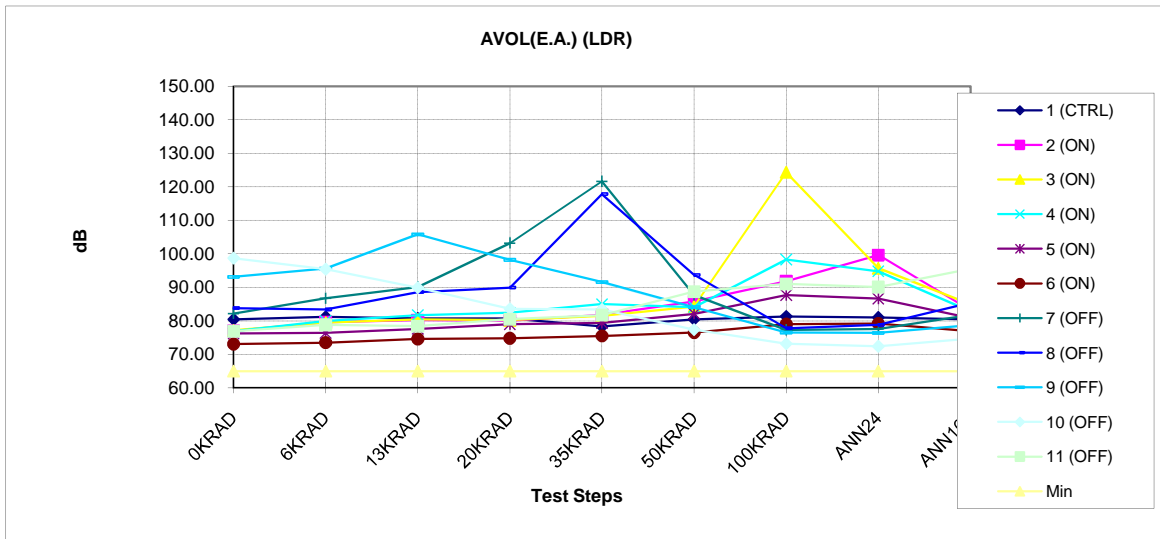
IIB(E.A.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-91.09	-112.74	-128.88	-140.95	-154.65	-176.60	-215.59	-215.40	-177.89
ELDR OFF	-90.66	-108.29	-120.25	-129.27	-139.40	-157.62	-198.15	-197.27	-166.65
LDR ON	-92.56	-112.21	-129.55	-142.30	-152.72	-175.60	-213.59	-213.97	-171.04
LDR OFF	-92.11	-109.49	-123.19	-133.03	-141.32	-161.11	-201.08	-199.70	-166.74



AVOL(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	65	65	65	65	65	65	65	65	65
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 (CTRL)	91.30	78.90	77.90	78.40	77.70	79.30	78.10	78.50	78.40

Bias on results									
2 (ON)	91.10	79.30	79.60	81.40	83.50	87.00	92.00	91.50	83.60
3 (ON)	94.10	80.50	81.70	85.30	84.90	89.90	102.30	106.20	91.30
4 (ON)	92.70	96.50	96.80	90.10	85.10	82.50	78.20	78.20	83.10
5 (ON)	93.00	77.70	79.90	79.50	79.80	84.10	91.60	94.20	86.40
6 (ON)	94.10	81.50	81.60	82.40	85.50	89.20	99.70	102.10	87.60
Statistics bias on									
min result	91.10	77.70	79.60	79.50	79.80	82.50	78.20	78.20	83.10
max result	94.10	96.50	96.80	90.10	85.50	89.90	102.30	106.20	91.30
average	93.00	83.10	83.92	83.74	83.76	86.54	92.76	94.44	86.40
sigma	1.24	7.62	7.26	4.13	2.34	3.20	9.40	10.83	3.32

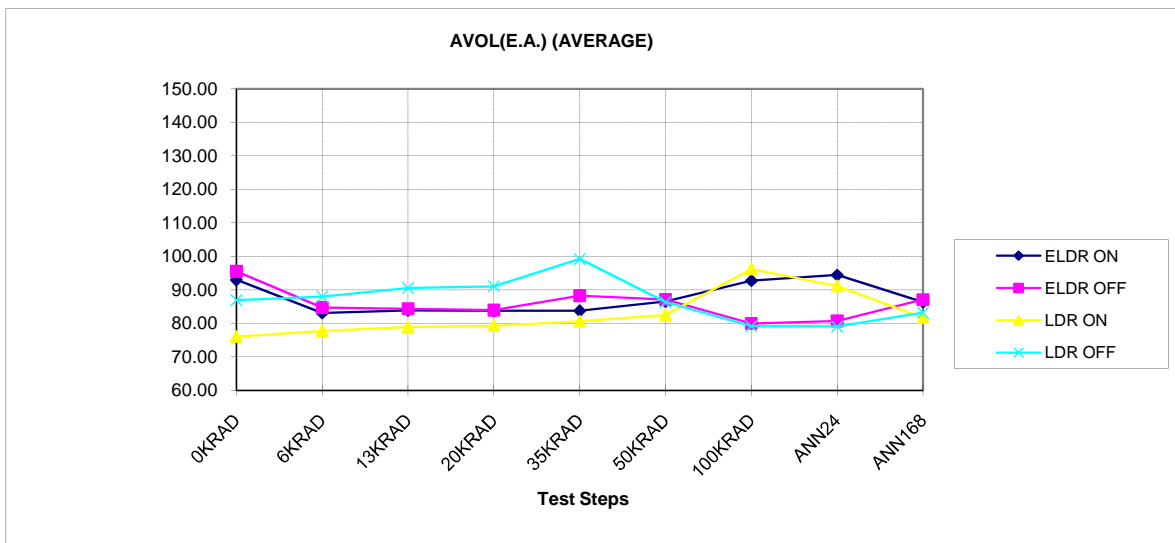
Bias off results									
7 (OFF)	95.00	83.90	89.00	92.40	100.40	89.80	79.00	78.80	85.30
8 (OFF)	97.30	81.60	83.40	84.60	95.50	96.80	79.40	77.60	86.90
9 (OFF)	95.30	78.20	80.30	81.40	85.40	91.90	85.60	86.00	106.80
10 (OFF)	91.80	107.00	95.30	87.20	84.80	80.80	74.30	74.50	77.80
11 (OFF)	98.20	73.00	73.90	74.30	75.20	76.40	81.70	86.70	78.60
Statistics bias off									
min result	91.80	73.00	73.90	74.30	75.20	76.40	74.30	74.50	77.80
max result	98.20	107.00	95.30	92.40	100.40	96.80	85.60	86.70	106.80
average	95.52	84.74	84.38	83.98	88.26	87.14	80.00	80.72	87.08
sigma	2.48	13.10	8.19	6.75	9.88	8.35	4.13	5.38	11.73



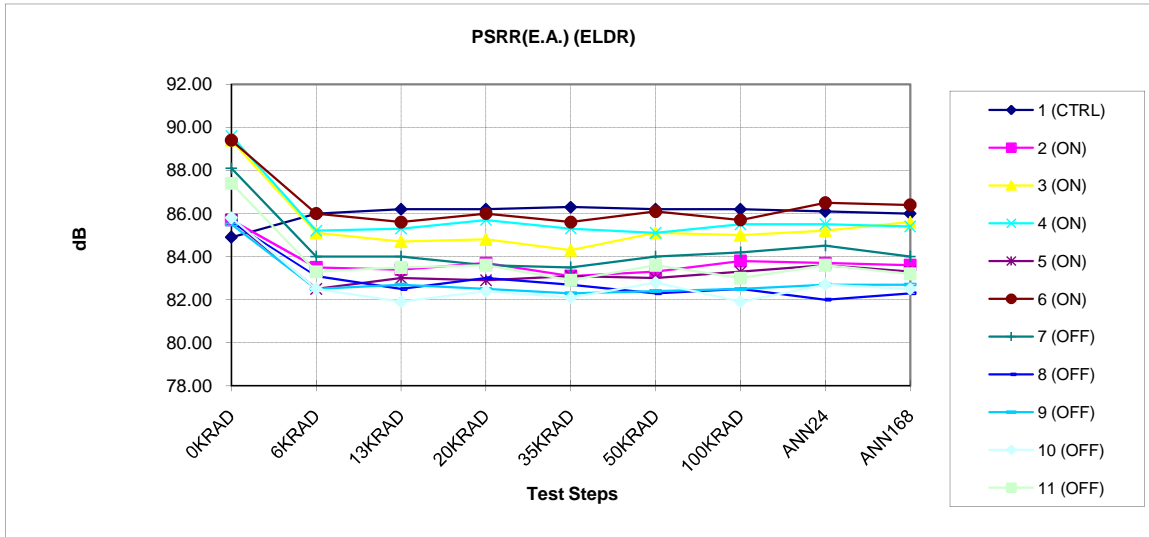
AVOL(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	65	65	65	65	65	65	65	65	65
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 (CTRL)	80.40	81.20	80.70	80.70	78.30	80.40	81.30	81.00	80.40

Bias on results									
2 (ON)	77.00	79.60	80.20	80.10	81.80	85.80	91.80	99.60	83.10
3 (ON)	77.20	79.50	80.40	80.20	81.50	84.30	124.30	95.70	84.90
4 (ON)	76.90	80.00	81.70	82.40	85.00	84.10	98.30	94.80	82.80
5 (ON)	76.20	76.40	77.60	79.00	79.40	82.10	87.70	86.60	80.80
6 (ON)	73.10	73.50	74.60	74.80	75.50	76.50	79.00	79.20	76.90
Statistics bias on									
min result	73.10	73.50	74.60	74.80	75.50	76.50	79.00	79.20	76.90
max result	77.20	80.00	81.70	82.40	85.00	85.80	124.30	99.60	84.90
average	76.08	77.80	78.90	79.30	80.64	82.56	96.22	91.18	81.70
sigma	1.71	2.80	2.83	2.80	3.50	3.63	17.19	8.20	3.05

Bias off results									
7 (OFF)	82.20	86.70	90.10	103.20	121.60	87.70	77.30	77.60	81.80
8 (OFF)	83.80	83.40	88.60	89.90	117.80	93.70	77.80	78.80	85.40
9 (OFF)	93.10	95.60	105.80	98.20	91.60	84.10	76.50	76.40	78.70
10 (OFF)	98.70	95.40	89.90	83.60	83.40	77.40	73.20	72.40	74.70
11 (OFF)	76.90	78.80	78.40	80.50	81.70	88.70	91.00	90.10	95.50
Statistics bias off									
min result	76.90	78.80	78.40	80.50	81.70	77.40	73.20	72.40	74.70
max result	98.70	95.60	105.80	103.20	121.60	93.70	91.00	90.10	95.50
average	86.94	87.98	90.56	91.08	99.22	86.32	79.16	79.06	83.22
sigma	8.79	7.42	9.81	9.58	19.11	6.05	6.86	6.62	7.91



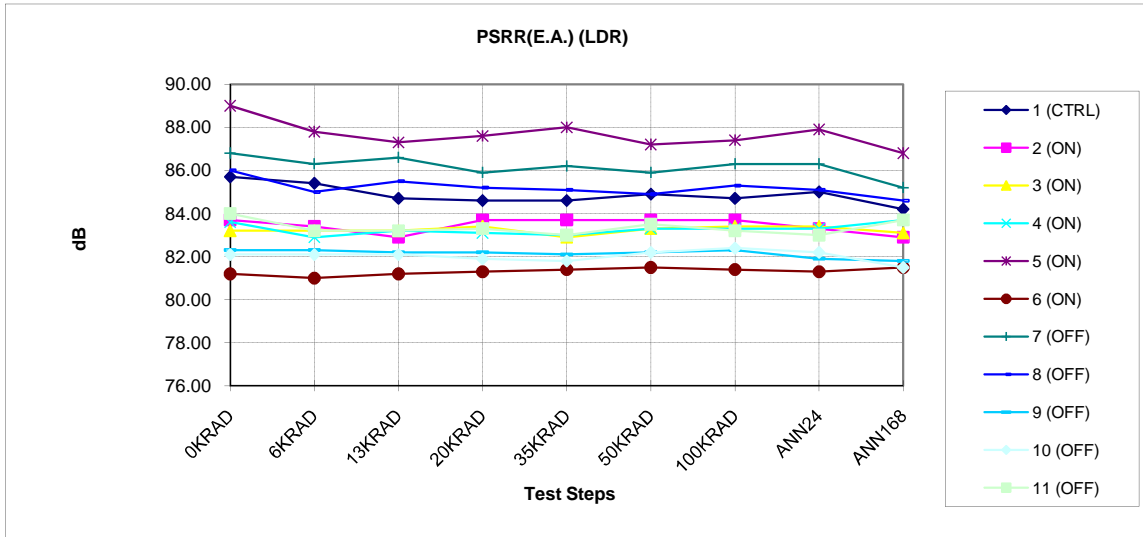
AVOL(E.A.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	93.00	83.10	83.92	83.74	83.76	86.54	92.76	94.44	86.40
ELDR OFF	95.52	84.74	84.38	83.98	88.26	87.14	80.00	80.72	87.08
LDR ON	76.08	77.80	78.90	79.30	80.64	82.56	96.22	91.18	81.70
LDR OFF	86.94	87.98	90.56	91.08	99.22	86.32	79.16	79.06	83.22



PSRR(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	60	60	60	60	60	60	60	60	60
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 (CTRL)	84.90	86.00	86.20	86.20	86.30	86.20	86.20	86.10	86.00

Bias on results									
2 (ON)	85.70	83.50	83.40	83.70	83.10	83.30	83.80	83.70	83.60
3 (ON)	89.40	85.10	84.70	84.80	84.30	85.10	85.00	85.20	85.60
4 (ON)	89.60	85.20	85.30	85.70	85.30	85.10	85.50	85.50	85.40
5 (ON)	85.70	82.50	83.00	82.90	83.10	83.00	83.30	83.60	83.30
6 (ON)	89.40	86.00	85.60	86.00	85.60	86.10	85.70	86.50	86.40
Statistics bias on									
min result	85.70	82.50	83.00	82.90	83.10	83.00	83.30	83.60	83.30
max result	89.60	86.00	85.60	86.00	85.60	86.10	85.70	86.50	86.40
average	87.96	84.46	84.40	84.62	84.28	84.52	84.66	84.90	84.86
sigma	2.06	1.42	1.15	1.31	1.18	1.32	1.06	1.24	1.34

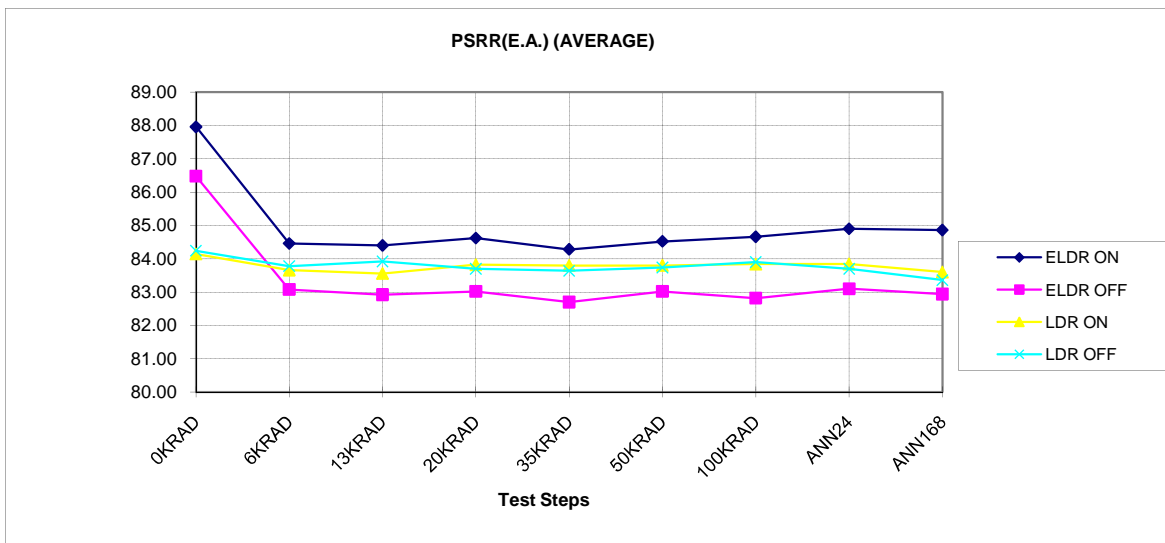
Bias off results									
7 (OFF)	88.10	84.00	84.00	83.60	83.50	84.00	84.20	84.50	84.00
8 (OFF)	85.60	83.10	82.50	83.00	82.70	82.30	82.50	82.00	82.30
9 (OFF)	85.50	82.50	82.70	82.50	82.30	82.40	82.50	82.70	82.70
10 (OFF)	85.80	82.50	81.90	82.40	82.10	82.80	81.90	82.70	82.50
11 (OFF)	87.40	83.30	83.50	83.60	82.90	83.60	83.00	83.60	83.20
Statistics bias off									
min result	85.50	82.50	81.90	82.40	82.10	82.30	81.90	82.00	82.30
max result	88.10	84.00	84.00	83.60	83.50	84.00	84.20	84.50	84.00
average	86.48	83.08	82.92	83.02	82.70	83.02	82.82	83.10	82.94
sigma	1.19	0.63	0.83	0.58	0.55	0.75	0.86	0.97	0.68



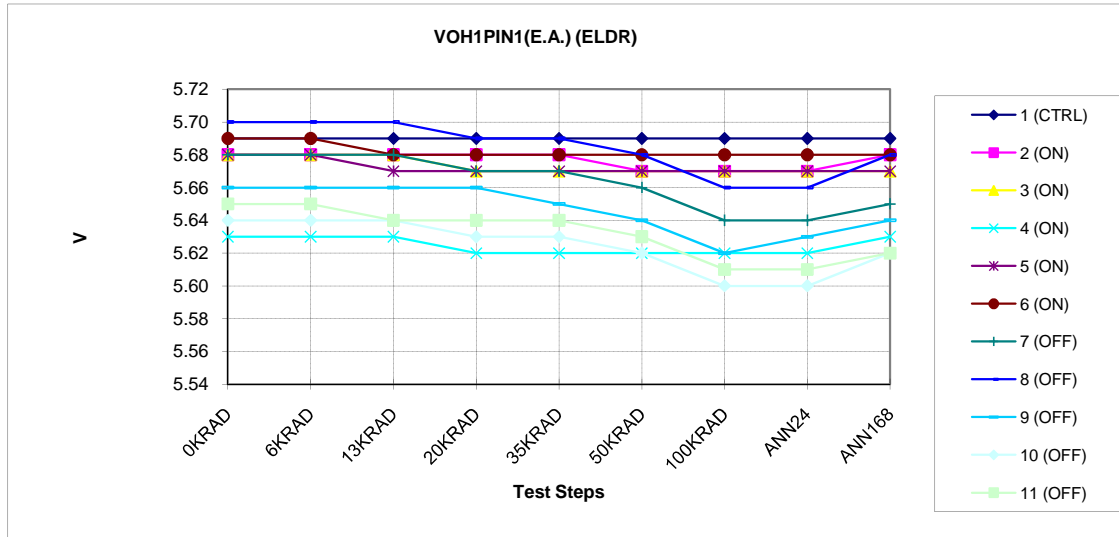
PSRR(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	60	60	60	60	60	60	60	60	60
Max	--	--	--	--	--	--	--	--	--
Unit	dB	dB	dB	dB	dB	dB	dB	dB	dB
Control Results									
1 (CTRL)	85.70	85.40	84.70	84.60	84.60	84.90	84.70	85.00	84.20

Bias on results									
2 (ON)	83.70	83.40	82.90	83.70	83.70	83.70	83.70	83.30	82.90
3 (ON)	83.20	83.20	83.20	83.40	82.90	83.30	83.40	83.40	83.10
4 (ON)	83.60	82.90	83.20	83.10	83.00	83.30	83.30	83.30	83.70
5 (ON)	89.00	87.80	87.30	87.60	88.00	87.20	87.40	87.90	86.80
6 (ON)	81.20	81.00	81.20	81.30	81.40	81.50	81.40	81.30	81.50
Statistics bias on									
min result	81.20	81.00	81.20	81.30	81.40	81.50	81.40	81.30	81.50
max result	89.00	87.80	87.30	87.60	88.00	87.20	87.40	87.90	86.80
average	84.14	83.66	83.56	83.82	83.80	83.80	83.84	83.84	83.60
sigma	2.90	2.50	2.25	2.31	2.49	2.08	2.19	2.43	1.96

Bias off results									
7 (OFF)	86.80	86.30	86.60	85.90	86.20	85.90	86.30	86.30	85.20
8 (OFF)	86.00	85.00	85.50	85.20	85.10	84.90	85.30	85.10	84.60
9 (OFF)	82.30	82.30	82.20	82.20	82.10	82.20	82.30	81.90	81.80
10 (OFF)	82.10	82.10	82.10	81.90	81.80	82.20	82.40	82.20	81.50
11 (OFF)	84.00	83.20	83.20	83.30	83.00	83.50	83.20	83.00	83.70
Statistics bias off									
min result	82.10	82.10	82.10	81.90	81.80	82.20	82.30	81.90	81.50
max result	86.80	86.30	86.60	85.90	86.20	85.90	86.30	86.30	85.20
average	84.24	83.78	83.92	83.70	83.64	83.74	83.90	83.70	83.36
sigma	2.12	1.82	2.03	1.78	1.93	1.64	1.80	1.92	1.65



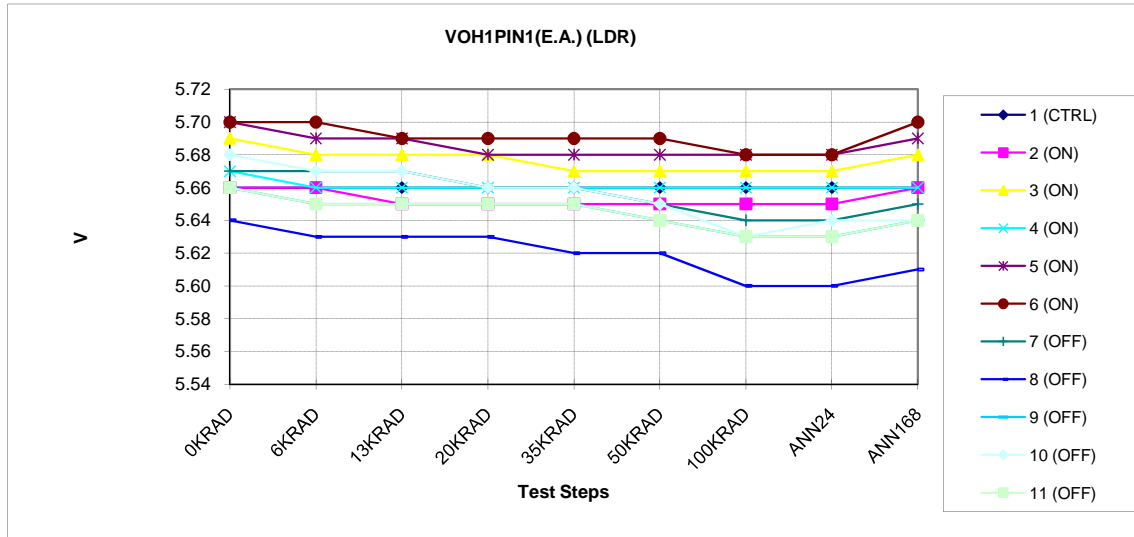
PSRR(E.A.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	87.96	84.46	84.40	84.62	84.28	84.52	84.66	84.90	84.86
ELDR OFF	86.48	83.08	82.92	83.02	82.70	83.02	82.82	83.10	82.94
LDR ON	84.14	83.66	83.56	83.82	83.80	83.80	83.84	83.84	83.60
LDR OFF	84.24	83.78	83.92	83.70	83.64	83.74	83.90	83.70	83.36



VOH1PIN1(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	5	5	5	5	5	5	5	5	5
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	5.69	5.69	5.69	5.69	5.69	5.69	5.69	5.69	5.69

Bias on results									
2 (ON)	5.68	5.68	5.68	5.68	5.68	5.67	5.67	5.67	5.68
3 (ON)	5.68	5.68	5.68	5.67	5.67	5.67	5.67	5.67	5.67
4 (ON)	5.63	5.63	5.63	5.62	5.62	5.62	5.62	5.62	5.63
5 (ON)	5.68	5.68	5.67	5.67	5.67	5.67	5.67	5.67	5.67
6 (ON)	5.69	5.69	5.68	5.68	5.68	5.68	5.68	5.68	5.68
Statistics bias on									
min result	5.63	5.63	5.63	5.62	5.62	5.62	5.62	5.62	5.63
max result	5.69	5.69	5.68	5.68	5.68	5.68	5.68	5.68	5.68
average	5.67	5.67	5.67	5.66	5.66	5.66	5.66	5.66	5.67
sigma	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02

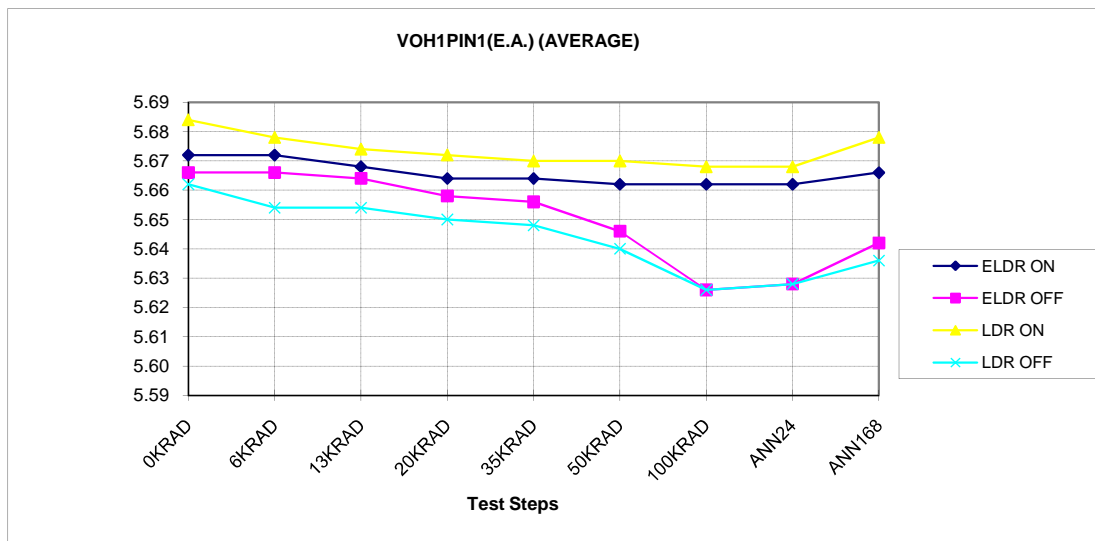
Bias off results									
7 (OFF)	5.68	5.68	5.68	5.67	5.67	5.66	5.64	5.64	5.65
8 (OFF)	5.70	5.70	5.70	5.69	5.69	5.68	5.66	5.66	5.68
9 (OFF)	5.66	5.66	5.66	5.66	5.65	5.64	5.62	5.63	5.64
10 (OFF)	5.64	5.64	5.64	5.63	5.63	5.62	5.60	5.60	5.62
11 (OFF)	5.65	5.65	5.64	5.64	5.64	5.63	5.61	5.61	5.62
Statistics bias off									
min result	5.64	5.64	5.64	5.63	5.63	5.62	5.60	5.60	5.62
max result	5.70	5.70	5.70	5.69	5.69	5.68	5.66	5.66	5.68
average	5.67	5.67	5.66	5.66	5.66	5.65	5.63	5.63	5.64
sigma	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02



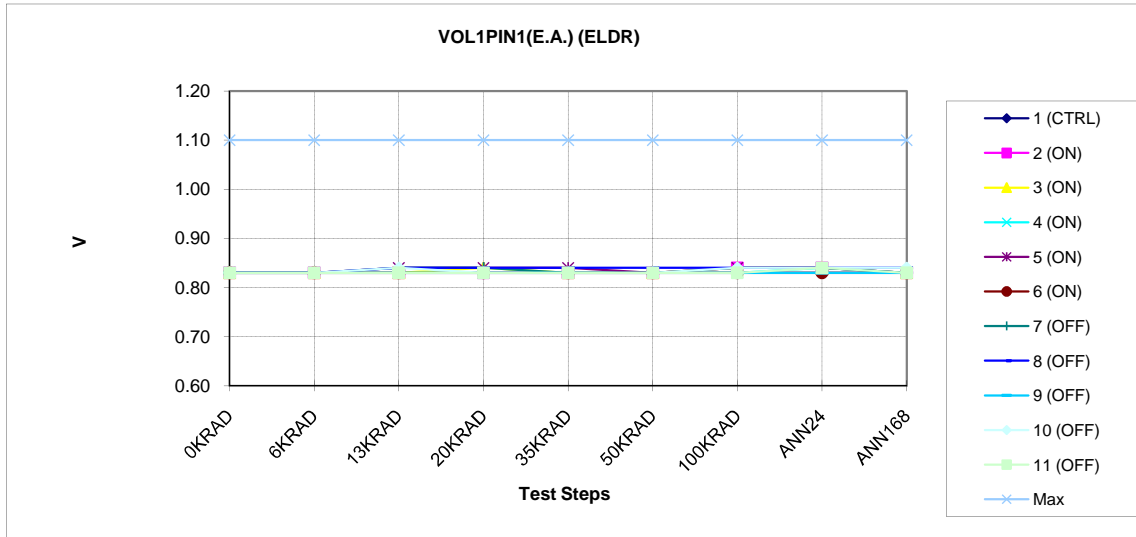
VOH1PIN1(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	5	5	5	5	5	5	5	5	5
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66

Bias on results									
2 (ON)	5.66	5.66	5.65	5.65	5.65	5.65	5.65	5.65	5.66
3 (ON)	5.69	5.68	5.68	5.68	5.67	5.67	5.67	5.67	5.68
4 (ON)	5.67	5.66	5.66	5.66	5.66	5.66	5.66	5.66	5.66
5 (ON)	5.70	5.69	5.69	5.68	5.68	5.68	5.68	5.68	5.69
6 (ON)	5.70	5.70	5.69	5.69	5.69	5.69	5.69	5.68	5.70
Statistics bias on									
min result	5.66	5.66	5.65	5.65	5.65	5.65	5.65	5.65	5.66
max result	5.70	5.70	5.69	5.69	5.69	5.69	5.69	5.68	5.70
average	5.68	5.68	5.67	5.67	5.67	5.67	5.67	5.67	5.68
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02

Bias off results									
7 (OFF)	5.67	5.67	5.67	5.66	5.66	5.65	5.64	5.64	5.65
8 (OFF)	5.64	5.63	5.63	5.63	5.62	5.62	5.60	5.60	5.61
9 (OFF)	5.66	5.65	5.65	5.65	5.65	5.64	5.63	5.63	5.64
10 (OFF)	5.68	5.67	5.67	5.66	5.66	5.65	5.63	5.64	5.64
11 (OFF)	5.66	5.65	5.65	5.65	5.65	5.64	5.63	5.63	5.64
Statistics bias off									
min result	5.64	5.63	5.63	5.63	5.62	5.62	5.60	5.60	5.61
max result	5.68	5.67	5.67	5.66	5.66	5.65	5.64	5.64	5.65
average	5.66	5.65	5.65	5.65	5.65	5.64	5.63	5.63	5.64
sigma	0.01	0.02	0.02	0.01	0.02	0.01	0.02	0.02	0.02



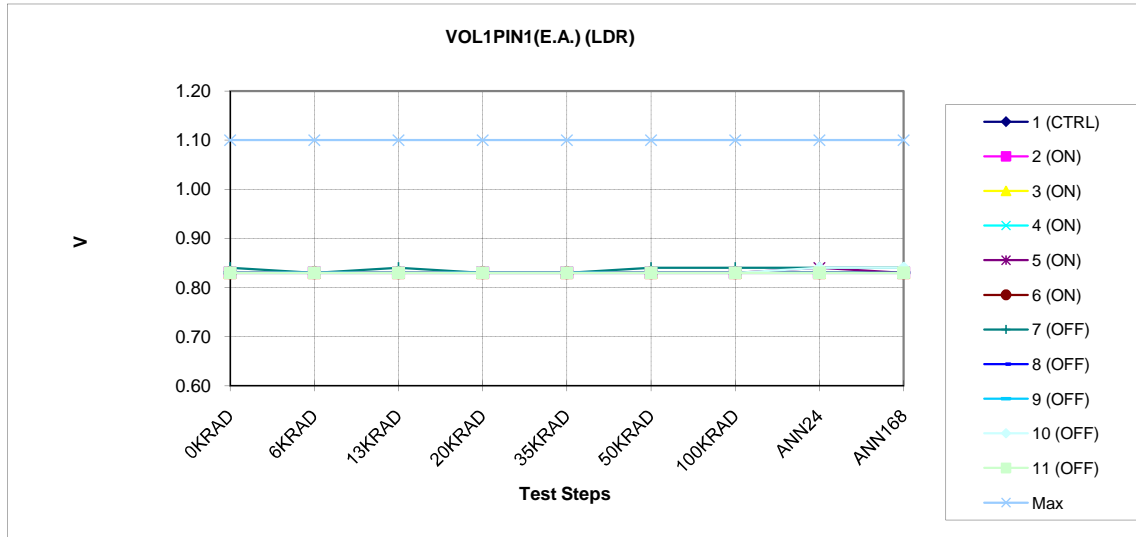
OH1PIN1(E.A.) (AVERAG	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	5.67	5.67	5.67	5.66	5.66	5.66	5.66	5.66	5.67
ELDR OFF	5.67	5.67	5.66	5.66	5.66	5.65	5.63	5.63	5.64
LDR ON	5.68	5.68	5.67	5.67	5.67	5.67	5.67	5.67	5.68
LDR OFF	5.66	5.65	5.65	5.65	5.65	5.64	5.63	5.63	5.64



VOL1PIN1(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83

Bias on results									
2 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.83
3 (ON)	0.83	0.83	0.83	0.84	0.83	0.83	0.84	0.84	0.83
4 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.83
5 (ON)	0.83	0.83	0.84	0.84	0.84	0.83	0.84	0.84	0.83
6 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Statistics bias on									
min result	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
max result	0.83	0.83	0.84	0.84	0.84	0.83	0.84	0.84	0.83
average	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.83
sigma	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00

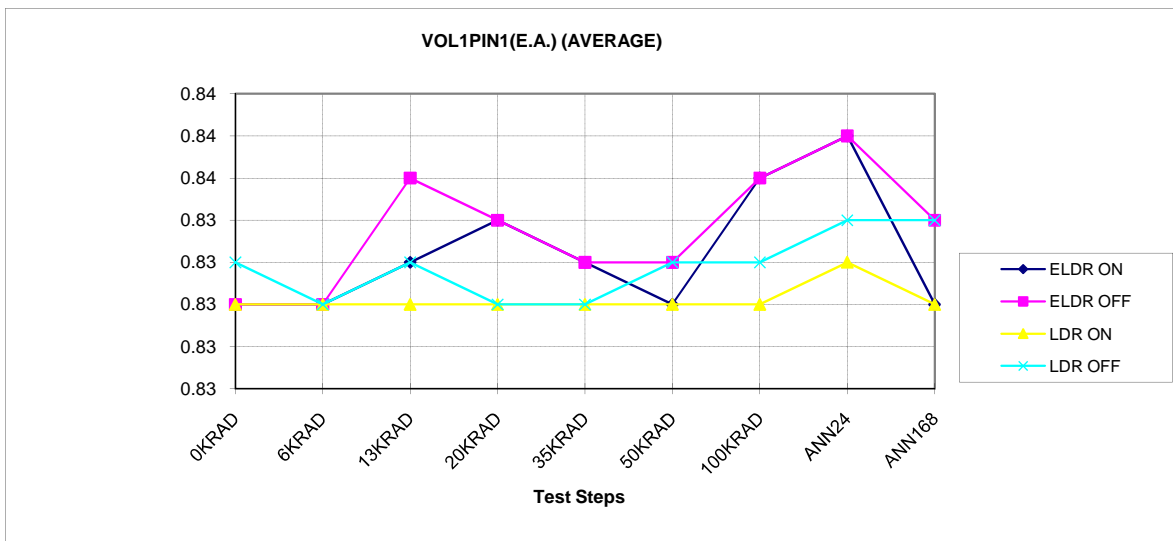
Bias off results									
7 (OFF)	0.83	0.83	0.84	0.84	0.83	0.83	0.84	0.84	0.83
8 (OFF)	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84
9 (OFF)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
10 (OFF)	0.83	0.83	0.84	0.83	0.83	0.83	0.84	0.84	0.84
11 (OFF)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.83
Statistics bias off									
min result	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
max result	0.83	0.83	0.84	0.84	0.84	0.84	0.84	0.84	0.84
average	0.83	0.83	0.84	0.83	0.83	0.83	0.84	0.84	0.83
sigma	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.01



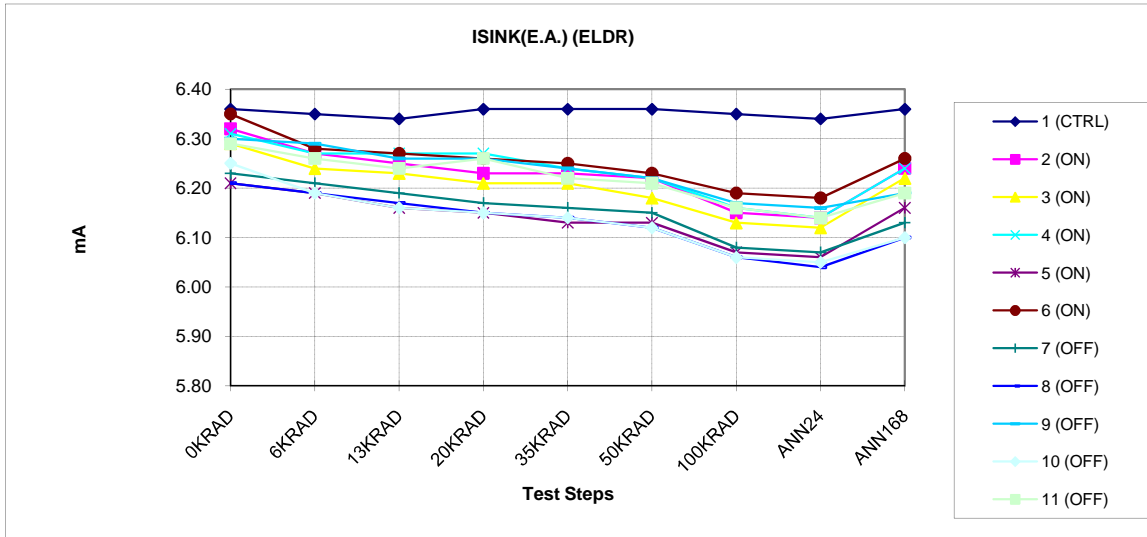
VOL1PIN1(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83

Bias on results									
2 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
3 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
4 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
5 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.83
6 (ON)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Statistics bias on									
min result	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
max result	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.83
average	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Bias off results									
7 (OFF)	0.84	0.83	0.84	0.83	0.83	0.84	0.84	0.84	0.84
8 (OFF)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
9 (OFF)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
10 (OFF)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84
11 (OFF)	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Statistics bias off									
min result	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
max result	0.84	0.83	0.84	0.83	0.83	0.84	0.84	0.84	0.84
average	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01



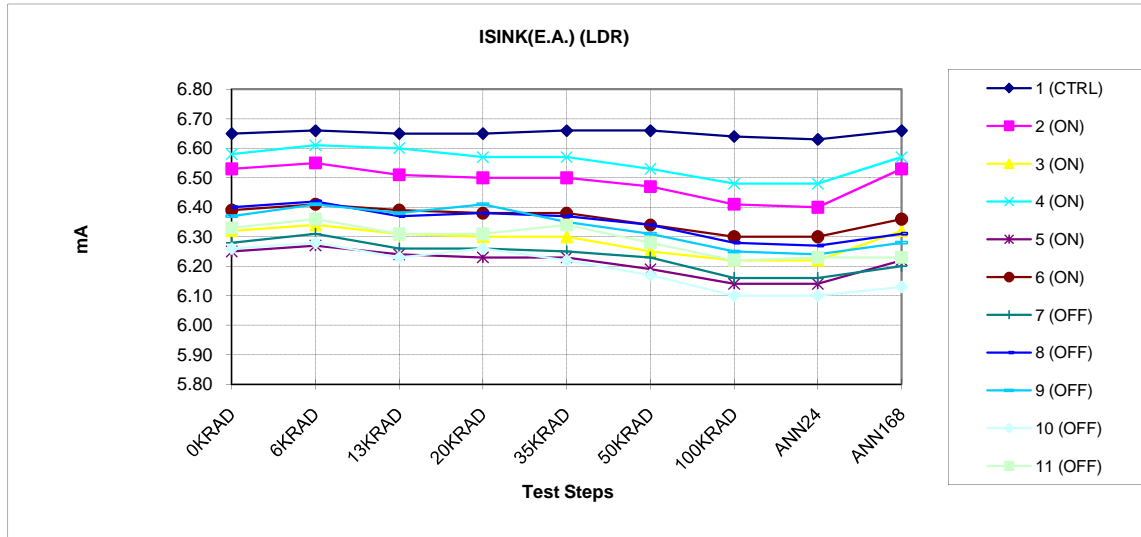
OL1PIN1(E.A.) (AVERAG	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	0.83	0.83	0.83	0.83	0.83	0.83	0.84	0.84	0.83
ELDR OFF	0.83	0.83	0.84	0.83	0.83	0.83	0.84	0.84	0.83
LDR ON	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
LDR OFF	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83



ISINK(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2	2	2	2	2	2	2	2	2
Max	--	--	--	--	--	--	--	--	--
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	6.36	6.35	6.34	6.36	6.36	6.36	6.35	6.34	6.36

Bias on results									
2 (ON)	6.32	6.27	6.25	6.23	6.23	6.22	6.15	6.14	6.24
3 (ON)	6.29	6.24	6.23	6.21	6.21	6.18	6.13	6.12	6.22
4 (ON)	6.31	6.27	6.27	6.27	6.24	6.22	6.16	6.14	6.24
5 (ON)	6.21	6.19	6.16	6.15	6.13	6.13	6.07	6.06	6.16
6 (ON)	6.35	6.28	6.27	6.26	6.25	6.23	6.19	6.18	6.26
Statistics bias on									
min result	6.21	6.19	6.16	6.15	6.13	6.13	6.07	6.06	6.16
max result	6.35	6.28	6.27	6.27	6.25	6.23	6.19	6.18	6.26
average	6.30	6.25	6.24	6.22	6.21	6.20	6.14	6.13	6.22
sigma	0.05	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04

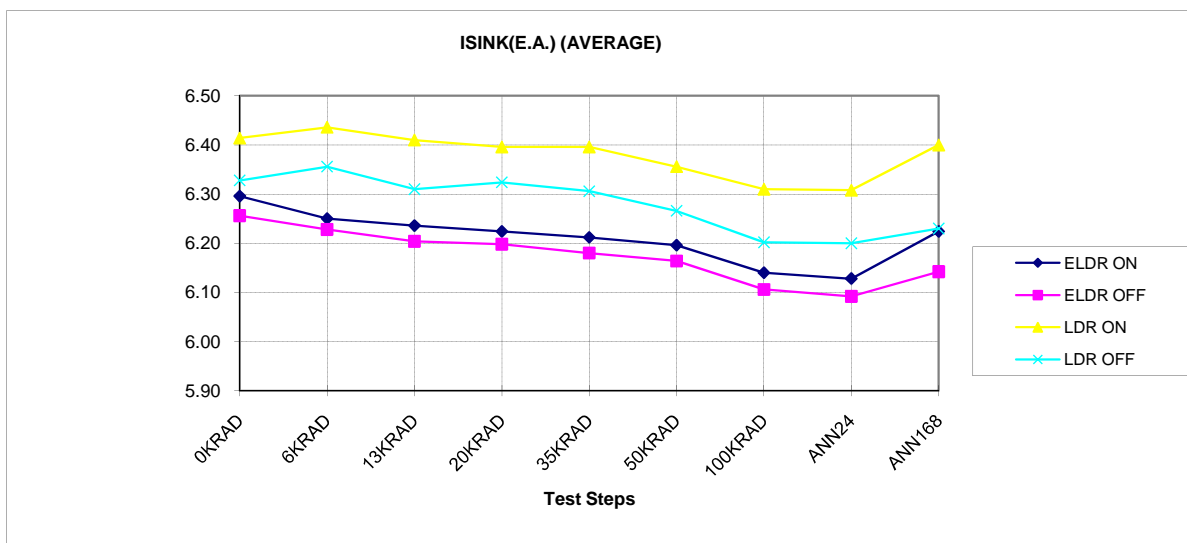
Bias off results									
7 (OFF)	6.23	6.21	6.19	6.17	6.16	6.15	6.08	6.07	6.13
8 (OFF)	6.21	6.19	6.17	6.15	6.14	6.12	6.06	6.04	6.10
9 (OFF)	6.30	6.29	6.26	6.26	6.24	6.22	6.17	6.16	6.19
10 (OFF)	6.25	6.19	6.16	6.15	6.14	6.12	6.06	6.05	6.10
11 (OFF)	6.29	6.26	6.24	6.26	6.22	6.21	6.16	6.14	6.19
Statistics bias off									
min result	6.21	6.19	6.16	6.15	6.14	6.12	6.06	6.04	6.10
max result	6.30	6.29	6.26	6.26	6.24	6.22	6.17	6.16	6.19
average	6.26	6.23	6.20	6.20	6.18	6.16	6.11	6.09	6.14
sigma	0.04	0.04	0.04	0.06	0.05	0.05	0.05	0.05	0.05



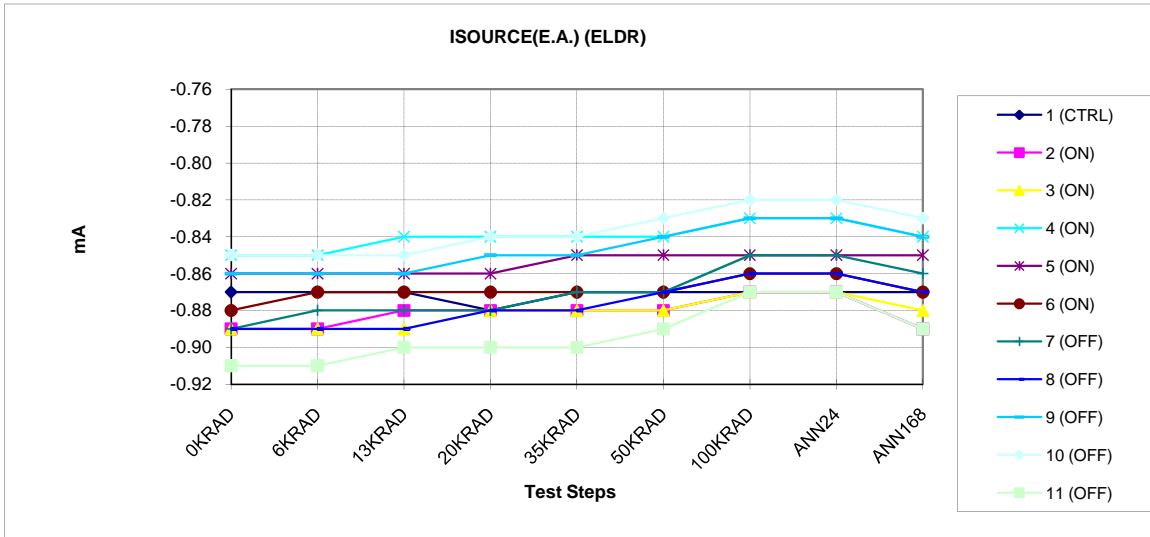
ISINK(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2	2	2	2	2	2	2	2	2
Max	--	--	--	--	--	--	--	--	--
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	6.65	6.66	6.65	6.65	6.66	6.66	6.64	6.63	6.66

Bias on results									
2 (ON)	6.53	6.55	6.51	6.50	6.50	6.47	6.41	6.40	6.53
3 (ON)	6.32	6.34	6.31	6.30	6.30	6.25	6.22	6.22	6.32
4 (ON)	6.58	6.61	6.60	6.57	6.57	6.53	6.48	6.48	6.57
5 (ON)	6.25	6.27	6.24	6.23	6.23	6.19	6.14	6.14	6.22
6 (ON)	6.39	6.41	6.39	6.38	6.38	6.34	6.30	6.30	6.36
Statistics bias on									
min result	6.25	6.27	6.24	6.23	6.23	6.19	6.14	6.14	6.22
max result	6.58	6.61	6.60	6.57	6.57	6.53	6.48	6.48	6.57
average	6.41	6.44	6.41	6.40	6.40	6.36	6.31	6.31	6.40
sigma	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.15

Bias off results									
7 (OFF)	6.28	6.31	6.26	6.26	6.25	6.23	6.16	6.16	6.20
8 (OFF)	6.40	6.42	6.37	6.38	6.37	6.34	6.28	6.27	6.31
9 (OFF)	6.37	6.41	6.38	6.41	6.35	6.31	6.25	6.24	6.28
10 (OFF)	6.26	6.28	6.23	6.26	6.22	6.17	6.10	6.10	6.13
11 (OFF)	6.33	6.36	6.31	6.31	6.34	6.28	6.22	6.23	6.23
Statistics bias off									
min result	6.26	6.28	6.23	6.26	6.22	6.17	6.10	6.10	6.13
max result	6.40	6.42	6.38	6.41	6.37	6.34	6.28	6.27	6.31
average	6.33	6.36	6.31	6.32	6.31	6.27	6.20	6.20	6.23
sigma	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07



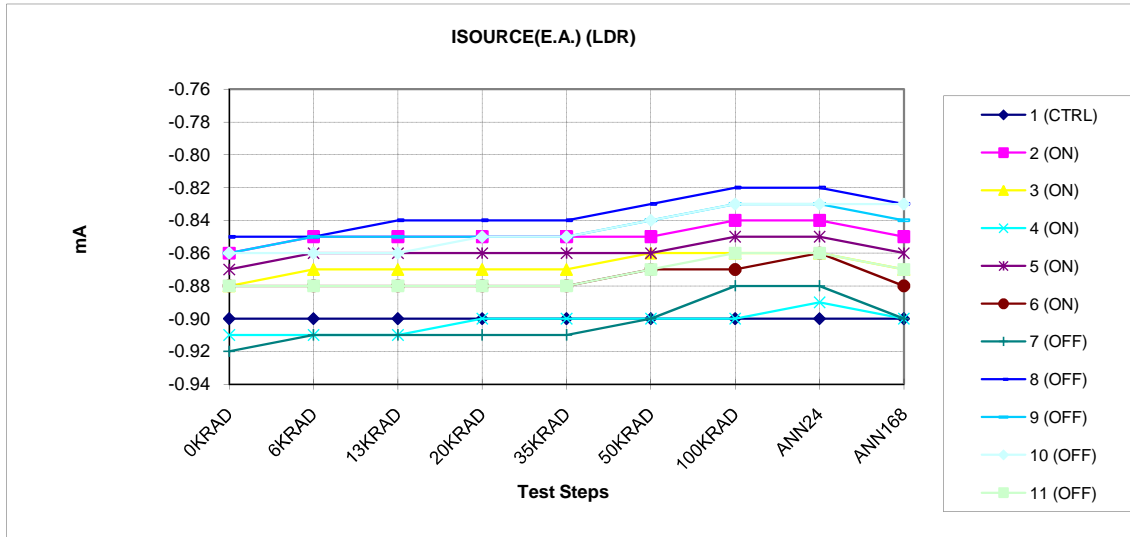
ISINK(E.A.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	6.30	6.25	6.24	6.22	6.21	6.20	6.14	6.13	6.22
ELDR OFF	6.26	6.23	6.20	6.20	6.18	6.16	6.11	6.09	6.14
LDR ON	6.41	6.44	6.41	6.40	6.40	6.36	6.31	6.31	6.40
LDR OFF	6.33	6.36	6.31	6.32	6.31	6.27	6.20	6.20	6.23



ISOURCE(E.A.) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	-0.87	-0.87	-0.87	-0.88	-0.87	-0.87	-0.87	-0.87	-0.87

Bias on results									
2 (ON)	-0.89	-0.89	-0.88	-0.88	-0.88	-0.88	-0.87	-0.87	-0.89
3 (ON)	-0.89	-0.89	-0.89	-0.88	-0.88	-0.88	-0.87	-0.87	-0.88
4 (ON)	-0.85	-0.85	-0.84	-0.84	-0.84	-0.84	-0.83	-0.83	-0.84
5 (ON)	-0.86	-0.86	-0.86	-0.86	-0.85	-0.85	-0.85	-0.85	-0.85
6 (ON)	-0.88	-0.87	-0.87	-0.87	-0.87	-0.87	-0.86	-0.86	-0.87
Statistics bias on									
min result	-0.89	-0.89	-0.89	-0.88	-0.88	-0.88	-0.87	-0.87	-0.89
max result	-0.85	-0.85	-0.84	-0.84	-0.84	-0.84	-0.83	-0.83	-0.84
average	-0.87	-0.87	-0.87	-0.87	-0.86	-0.86	-0.86	-0.86	-0.87
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

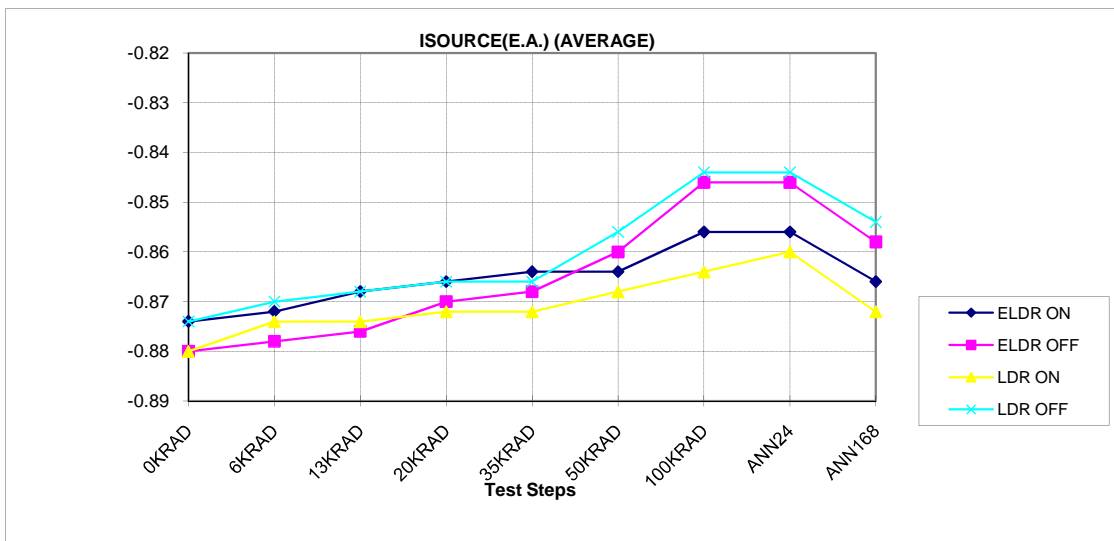
Bias off results									
7 (OFF)	-0.89	-0.88	-0.88	-0.88	-0.87	-0.87	-0.85	-0.85	-0.86
8 (OFF)	-0.89	-0.89	-0.89	-0.88	-0.88	-0.87	-0.86	-0.86	-0.87
9 (OFF)	-0.86	-0.86	-0.86	-0.85	-0.85	-0.84	-0.83	-0.83	-0.84
10 (OFF)	-0.85	-0.85	-0.85	-0.84	-0.84	-0.83	-0.82	-0.82	-0.83
11 (OFF)	-0.91	-0.91	-0.90	-0.90	-0.90	-0.89	-0.87	-0.87	-0.89
Statistics bias off									
min result	-0.91	-0.91	-0.90	-0.90	-0.90	-0.89	-0.87	-0.87	-0.89
max result	-0.85	-0.85	-0.85	-0.84	-0.84	-0.83	-0.82	-0.82	-0.83
average	-0.88	-0.88	-0.88	-0.87	-0.87	-0.86	-0.85	-0.85	-0.86
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02



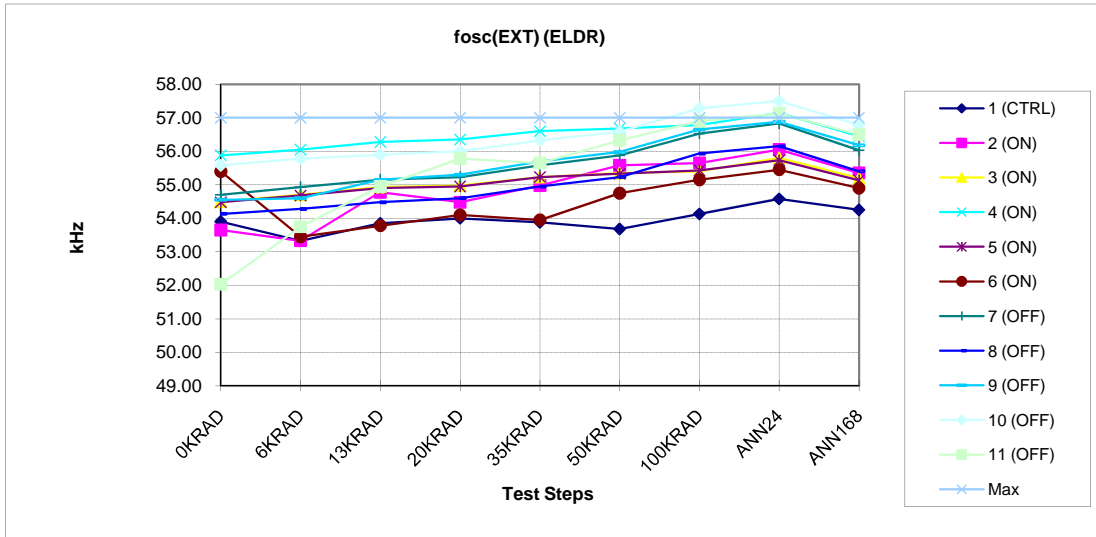
ISOURCE(E.A.) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5	-0.5
Unit	mA	mA	mA	mA	mA	mA	mA	mA	mA
Control Results									
1 (CTRL)	-0.90	-0.90	-0.90	-0.90	-0.90	-0.90	-0.90	-0.90	-0.90

Bias on results									
2 (ON)	-0.86	-0.85	-0.85	-0.85	-0.85	-0.85	-0.84	-0.84	-0.85
3 (ON)	-0.88	-0.87	-0.87	-0.87	-0.87	-0.86	-0.86	-0.86	-0.87
4 (ON)	-0.91	-0.91	-0.91	-0.90	-0.90	-0.90	-0.90	-0.89	-0.90
5 (ON)	-0.87	-0.86	-0.86	-0.86	-0.86	-0.86	-0.85	-0.85	-0.86
6 (ON)	-0.88	-0.88	-0.88	-0.88	-0.88	-0.87	-0.87	-0.86	-0.88
Statistics bias on									
min result	-0.91	-0.91	-0.91	-0.90	-0.90	-0.90	-0.90	-0.89	-0.90
max result	-0.86	-0.85	-0.85	-0.85	-0.85	-0.85	-0.84	-0.84	-0.85
average	-0.88	-0.87	-0.87	-0.87	-0.87	-0.87	-0.86	-0.86	-0.87
sigma	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02

Bias off results									
7 (OFF)	-0.92	-0.91	-0.91	-0.91	-0.91	-0.90	-0.88	-0.88	-0.90
8 (OFF)	-0.85	-0.85	-0.84	-0.84	-0.84	-0.83	-0.82	-0.82	-0.83
9 (OFF)	-0.86	-0.85	-0.85	-0.85	-0.85	-0.84	-0.83	-0.83	-0.84
10 (OFF)	-0.86	-0.86	-0.86	-0.85	-0.85	-0.84	-0.83	-0.83	-0.83
11 (OFF)	-0.88	-0.88	-0.88	-0.88	-0.88	-0.87	-0.86	-0.86	-0.87
Statistics bias off									
min result	-0.92	-0.91	-0.91	-0.91	-0.91	-0.90	-0.88	-0.88	-0.90
max result	-0.85	-0.85	-0.84	-0.84	-0.84	-0.83	-0.82	-0.82	-0.83
average	-0.87	-0.87	-0.87	-0.87	-0.87	-0.86	-0.84	-0.84	-0.85
sigma	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03



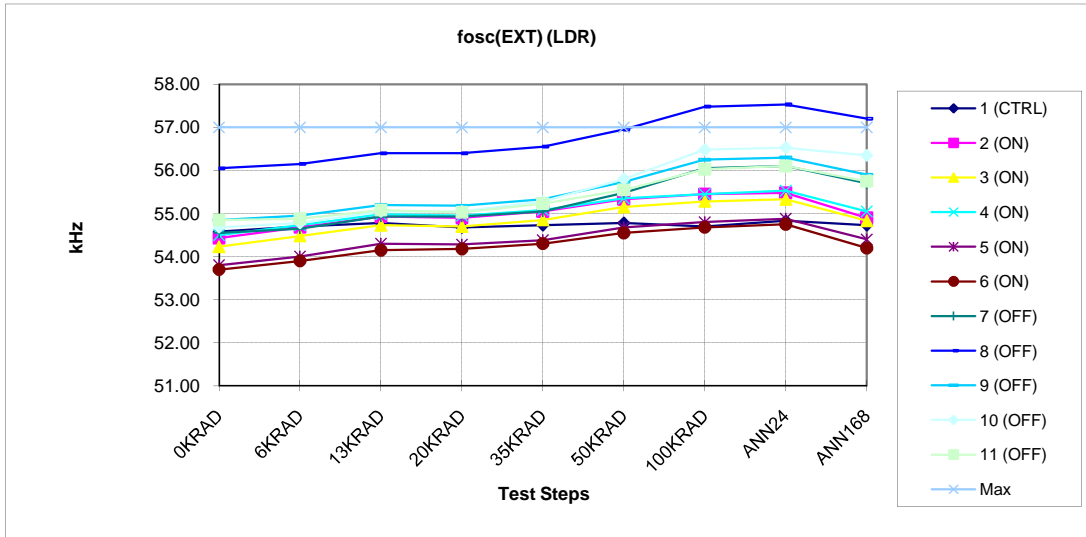
SOURCE(E.A.) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-0.87	-0.87	-0.87	-0.87	-0.86	-0.86	-0.86	-0.86	-0.87
ELDR OFF	-0.88	-0.88	-0.88	-0.87	-0.87	-0.86	-0.85	-0.85	-0.86
LDR ON	-0.88	-0.87	-0.87	-0.87	-0.87	-0.87	-0.86	-0.86	-0.87
LDR OFF	-0.87	-0.87	-0.87	-0.87	-0.87	-0.86	-0.84	-0.84	-0.85



fosc(EXT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	47	47	47	47	47	47	47	47	47
Max	57	57	57	57	57	57	57	57	57
Unit	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Control Results									
1 (CTRL)	53.90	53.33	53.85	54.00	53.88	53.68	54.13	54.58	54.25

Bias on results									
2 (ON)	53.65	53.33	54.78	54.48	54.98	55.58	55.65	56.05	55.35
3 (ON)	54.50	54.70	54.93	54.98	55.23	55.35	55.40	55.80	55.20
4 (ON)	55.88	56.05	56.28	56.35	56.60	56.68	56.78	57.15	56.45
5 (ON)	54.48	54.68	54.90	54.95	55.23	55.33	55.43	55.73	55.13
6 (ON)	55.40	53.45	53.78	54.10	53.95	54.75	55.15	55.45	54.90
Statistics bias on									
min result	53.65	53.33	53.78	54.10	53.95	54.75	55.15	55.45	54.90
max result	55.88	56.05	56.28	56.35	56.60	56.68	56.78	57.15	56.45
average	54.78	54.44	54.93	54.97	55.20	55.54	55.68	56.04	55.41
sigma	0.87	1.11	0.89	0.85	0.95	0.71	0.64	0.66	0.61

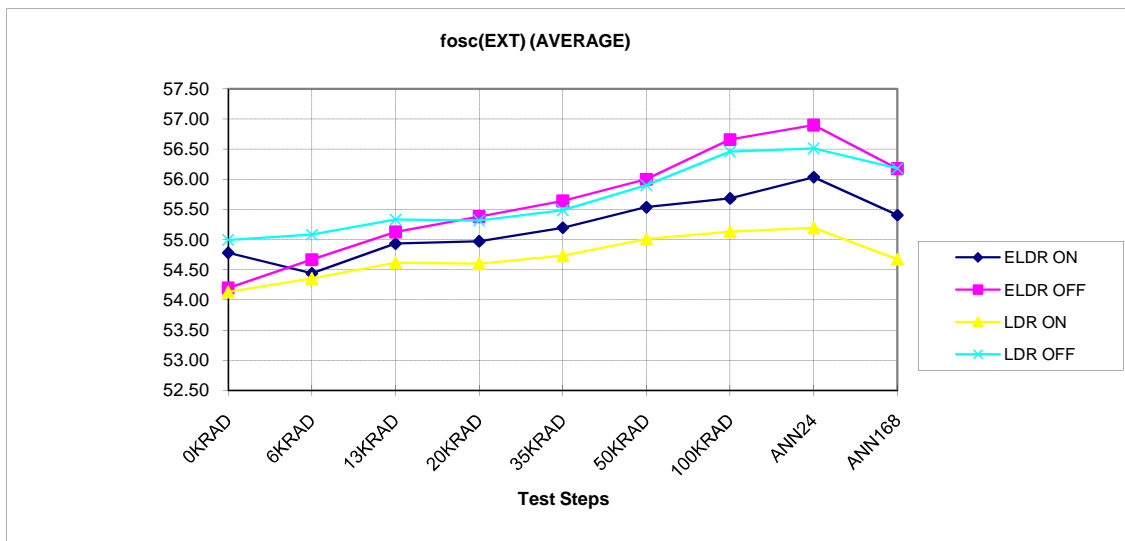
Bias off results									
7 (OFF)	54.70	54.93	55.15	55.23	55.58	55.88	56.53	56.83	56.03
8 (OFF)	54.13	54.28	54.48	54.60	54.95	55.23	55.93	56.15	55.40
9 (OFF)	54.55	54.60	55.15	55.30	55.70	55.98	56.65	56.88	56.18
10 (OFF)	55.58	55.78	55.90	56.00	56.33	56.58	57.28	57.50	56.78
11 (OFF)	52.03	53.75	54.95	55.78	55.65	56.33	56.90	57.13	56.50
Statistics bias off									
min result	52.03	53.75	54.48	54.60	54.95	55.23	55.93	56.15	55.40
max result	55.58	55.78	55.90	56.00	56.33	56.58	57.28	57.50	56.78
average	54.20	54.67	55.13	55.38	55.64	56.00	56.66	56.90	56.18
sigma	1.32	0.76	0.51	0.54	0.49	0.51	0.50	0.50	0.52



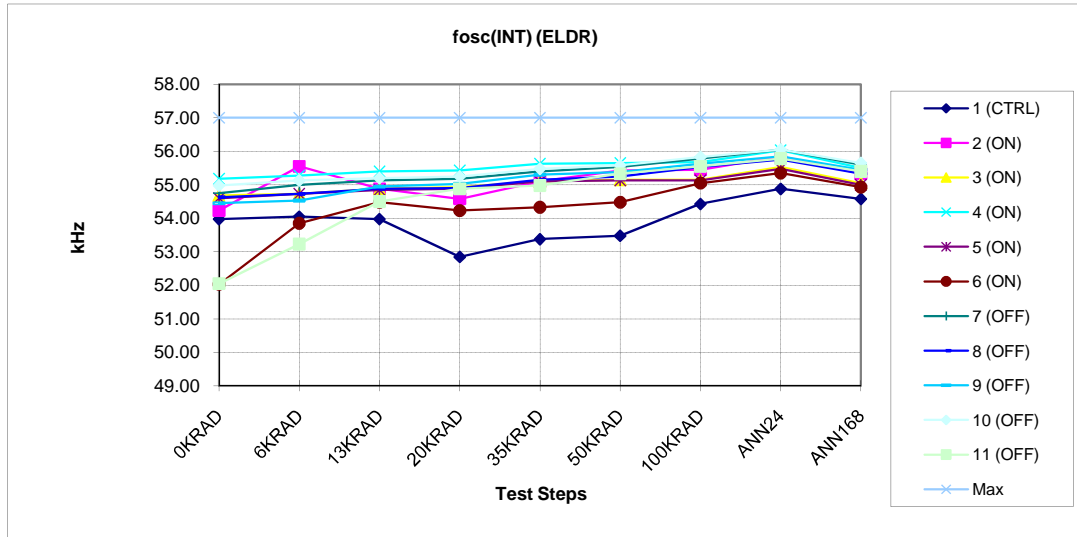
fosc(EXT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	47	47	47	47	47	47	47	47	47
Max	57	57	57	57	57	57	57	57	57
Unit	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Control Results									
1 (CTRL)	54.58	54.70	54.78	54.68	54.73	54.78	54.70	54.83	54.73

Bias on results									
2 (ON)	54.43	54.68	54.93	54.90	55.05	55.33	55.45	55.48	54.90
3 (ON)	54.23	54.48	54.73	54.70	54.85	55.15	55.28	55.33	54.83
4 (ON)	54.50	54.73	54.98	54.95	55.08	55.35	55.45	55.53	55.05
5 (ON)	53.80	54.00	54.30	54.28	54.38	54.68	54.80	54.88	54.40
6 (ON)	53.70	53.90	54.15	54.18	54.30	54.55	54.68	54.75	54.20
Statistics bias on									
min result	53.70	53.90	54.15	54.18	54.30	54.55	54.68	54.75	54.20
max result	54.50	54.73	54.98	54.95	55.08	55.35	55.45	55.53	55.05
average	54.13	54.36	54.62	54.60	54.73	55.01	55.13	55.19	54.68
sigma	0.36	0.39	0.37	0.35	0.37	0.37	0.37	0.36	0.36

Bias off results									
7 (OFF)	54.55	54.65	54.93	54.93	55.05	55.48	56.05	56.10	55.70
8 (OFF)	56.05	56.15	56.40	56.40	56.55	56.95	57.48	57.53	57.20
9 (OFF)	54.85	54.95	55.20	55.18	55.33	55.73	56.25	56.30	55.90
10 (OFF)	54.68	54.78	55.05	55.05	55.28	55.80	56.48	56.53	56.35
11 (OFF)	54.85	54.88	55.08	55.03	55.23	55.55	56.03	56.10	55.75
Statistics bias off									
min result	54.55	54.65	54.93	54.93	55.05	55.48	56.03	56.10	55.70
max result	56.05	56.15	56.40	56.40	56.55	56.95	57.48	57.53	57.20
average	55.00	55.08	55.33	55.32	55.49	55.90	56.46	56.51	56.18
sigma	0.60	0.61	0.60	0.61	0.60	0.60	0.60	0.60	0.63



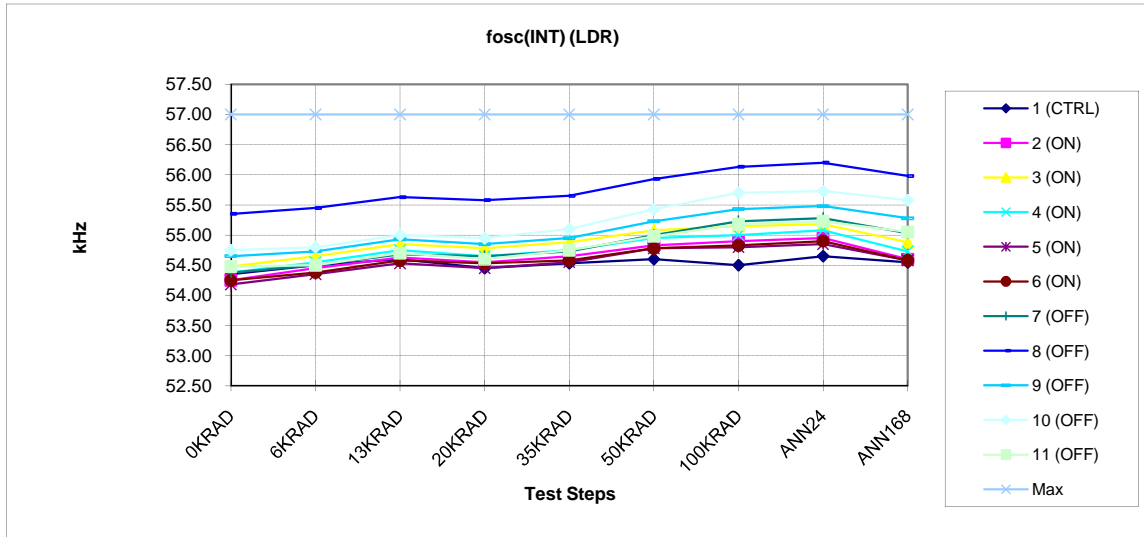
fosc(EXT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	54.78	54.44	54.93	54.97	55.20	55.54	55.68	56.04	55.41
ELDR OFF	54.20	54.67	55.13	55.38	55.64	56.00	56.66	56.90	56.18
LDR ON	54.13	54.36	54.62	54.60	54.73	55.01	55.13	55.19	54.68
LDR OFF	55.00	55.08	55.33	55.32	55.49	55.90	56.46	56.51	56.18



fosc(INT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	47	47	47	47	47	47	47	47	47
Max	57	57	57	57	57	57	57	57	57
Unit	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Control Results									
1 (CTRL)	53.98	54.05	53.98	52.85	53.38	53.48	54.43	54.88	54.58

Bias on results									
2 (ON)	54.23	55.55	54.88	54.58	55.10	55.43	55.45	55.85	55.33
3 (ON)	54.68	54.73	54.88	54.93	55.10	55.15	55.15	55.53	55.05
4 (ON)	55.18	55.28	55.40	55.43	55.63	55.65	55.68	56.03	55.50
5 (ON)	54.60	54.73	54.85	54.88	55.10	55.13	55.13	55.48	55.00
6 (ON)	52.03	53.85	54.48	54.23	54.33	54.48	55.05	55.35	54.93
Statistics bias on									
min result	52.03	53.85	54.48	54.23	54.33	54.48	55.05	55.35	54.93
max result	55.18	55.55	55.40	55.43	55.63	55.65	55.68	56.03	55.50
average	54.14	54.83	54.90	54.81	55.05	55.17	55.29	55.65	55.16
sigma	1.23	0.65	0.33	0.45	0.46	0.44	0.26	0.28	0.24

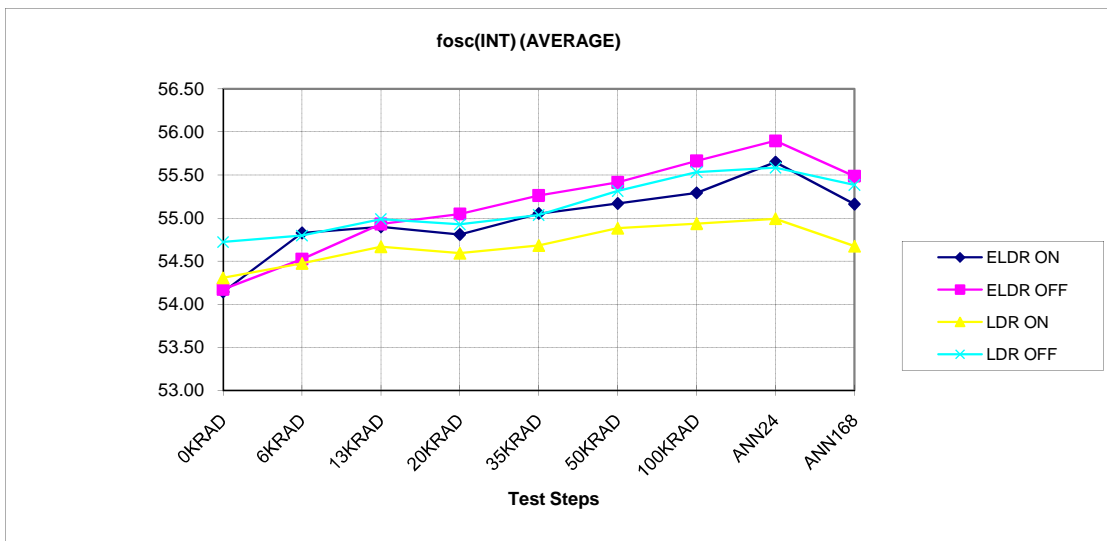
Bias off results									
7 (OFF)	54.75	55.00	55.13	55.18	55.40	55.53	55.78	56.05	55.60
8 (OFF)	54.63	54.73	54.88	54.90	55.15	55.25	55.53	55.75	55.33
9 (OFF)	54.45	54.53	54.95	55.03	55.30	55.38	55.63	55.85	55.45
10 (OFF)	54.98	55.13	55.20	55.25	55.48	55.58	55.83	56.05	55.65
11 (OFF)	52.05	53.23	54.50	54.88	54.98	55.33	55.55	55.78	55.40
Statistics bias off									
min result	52.05	53.23	54.50	54.88	54.98	55.25	55.53	55.75	55.33
max result	54.98	55.13	55.20	55.25	55.48	55.58	55.83	56.05	55.65
average	54.17	54.52	54.93	55.05	55.26	55.41	55.66	55.90	55.49
sigma	1.20	0.76	0.27	0.16	0.20	0.14	0.14	0.15	0.14



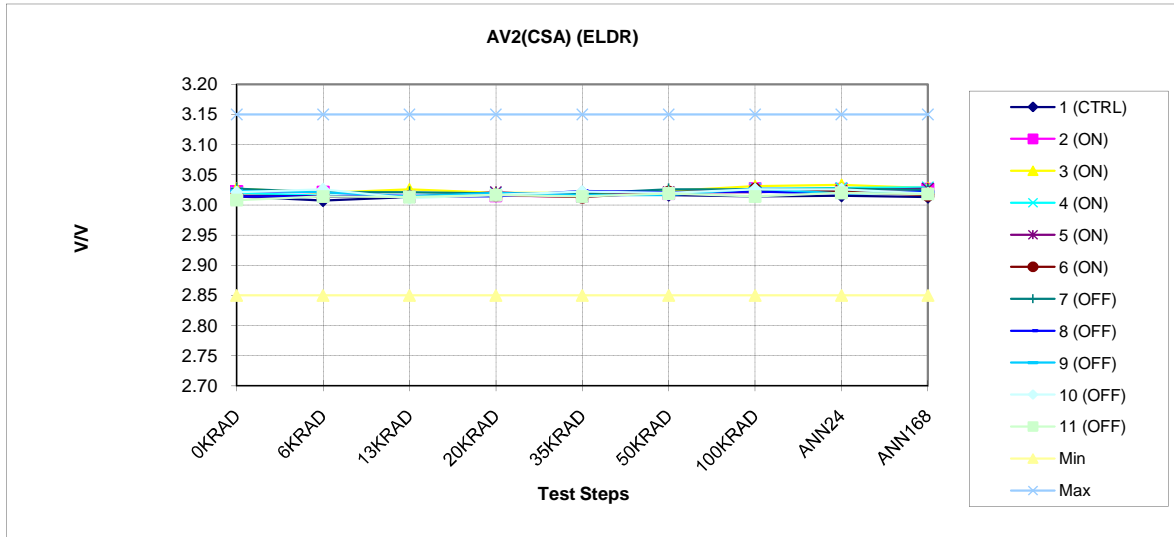
fosc(INT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	47	47	47	47	47	47	47	47	47
Max	57	57	57	57	57	57	57	57	57
Unit	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz	kHz
Control Results									
1 (CTRL)	54.35	54.50	54.60	54.45	54.53	54.60	54.50	54.65	54.55

Bias on results									
2 (ON)	54.25	54.45	54.63	54.55	54.65	54.83	54.90	54.95	54.60
3 (ON)	54.48	54.65	54.85	54.78	54.88	55.08	55.15	55.18	54.88
4 (ON)	54.38	54.55	54.75	54.65	54.75	54.95	55.00	55.08	54.73
5 (ON)	54.18	54.35	54.53	54.45	54.55	54.78	54.80	54.85	54.58
6 (ON)	54.25	54.38	54.58	54.53	54.58	54.78	54.83	54.90	54.58
Statistics bias on									
min result	54.18	54.35	54.53	54.45	54.55	54.78	54.80	54.85	54.58
max result	54.48	54.65	54.85	54.78	54.88	55.08	55.15	55.18	54.88
average	54.31	54.48	54.67	54.59	54.68	54.88	54.94	54.99	54.67
sigma	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.13

Bias off results									
7 (OFF)	54.38	54.50	54.68	54.65	54.73	55.00	55.23	55.28	55.03
8 (OFF)	55.35	55.45	55.63	55.58	55.65	55.93	56.13	56.20	55.98
9 (OFF)	54.65	54.73	54.93	54.85	54.95	55.23	55.43	55.48	55.28
10 (OFF)	54.75	54.80	55.00	54.95	55.10	55.43	55.70	55.73	55.58
11 (OFF)	54.48	54.50	54.70	54.60	54.75	54.98	55.18	55.23	55.05
Statistics bias off									
min result	54.38	54.50	54.68	54.60	54.73	54.98	55.18	55.23	55.03
max result	55.35	55.45	55.63	55.58	55.65	55.93	56.13	56.20	55.98
average	54.72	54.80	54.99	54.93	55.04	55.31	55.53	55.58	55.38
sigma	0.38	0.39	0.39	0.39	0.38	0.39	0.39	0.40	0.40



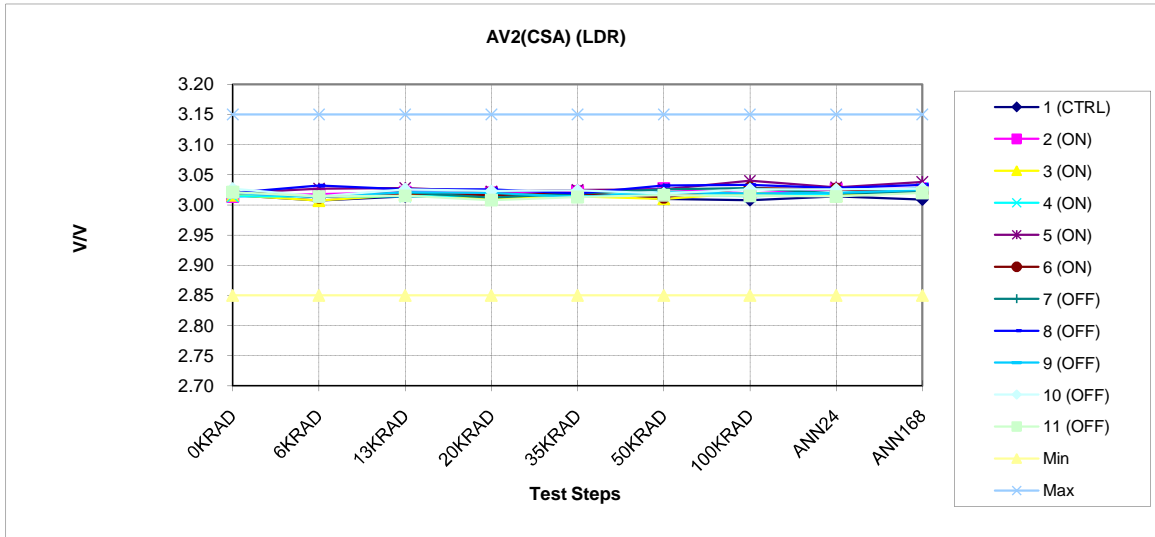
fosc(INT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	54.14	54.83	54.90	54.81	55.05	55.17	55.29	55.65	55.16
ELDR OFF	54.17	54.52	54.93	55.05	55.26	55.41	55.66	55.90	55.49
LDR ON	54.31	54.48	54.67	54.59	54.68	54.88	54.94	54.99	54.67
LDR OFF	54.72	54.80	54.99	54.93	55.04	55.31	55.53	55.58	55.38



AV2(CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
Max	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Unit	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V
Control Results									
1 (CTRL)	3.01	3.01	3.01	3.02	3.02	3.02	3.01	3.02	3.01

Bias on results									
2 (ON)	3.02	3.02	3.01	3.02	3.01	3.02	3.03	3.03	3.03
3 (ON)	3.03	3.02	3.03	3.02	3.02	3.02	3.03	3.03	3.03
4 (ON)	3.02	3.02	3.01	3.02	3.01	3.02	3.03	3.03	3.03
5 (ON)	3.01	3.01	3.01	3.02	3.01	3.02	3.02	3.02	3.03
6 (ON)	3.02	3.01	3.01	3.02	3.01	3.02	3.03	3.02	3.02
Statistics bias on									
min result	3.01	3.01	3.01	3.02	3.01	3.02	3.02	3.02	3.02
max result	3.03	3.02	3.03	3.02	3.02	3.02	3.03	3.03	3.03
average	3.02	3.02	3.02	3.02	3.02	3.02	3.03	3.03	3.03
sigma	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01

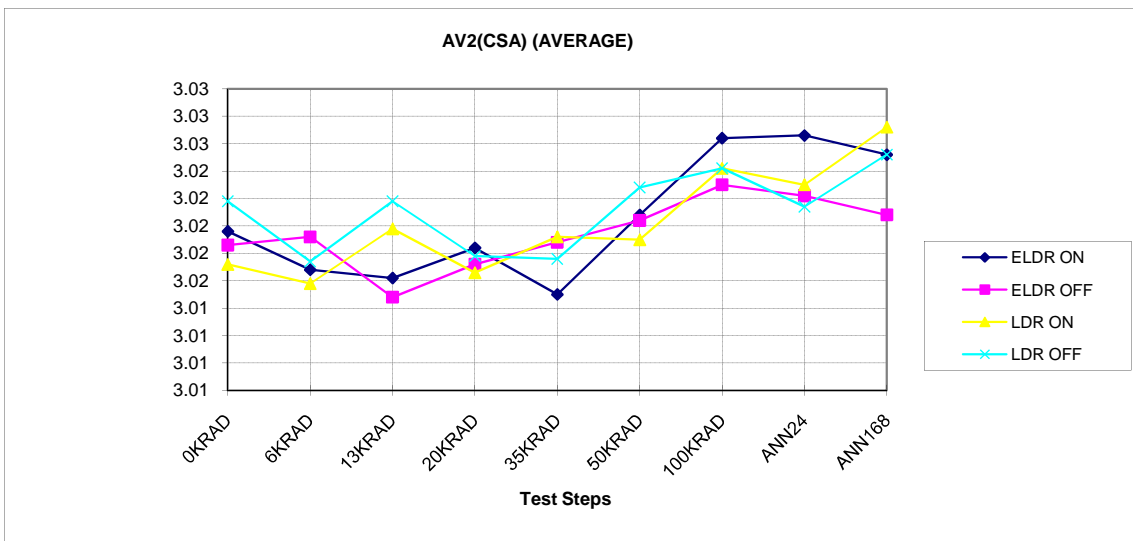
Bias off results									
7 (OFF)	3.03	3.02	3.02	3.02	3.02	3.03	3.03	3.03	3.03
8 (OFF)	3.01	3.01	3.02	3.01	3.02	3.02	3.02	3.02	3.02
9 (OFF)	3.02	3.02	3.01	3.02	3.02	3.02	3.03	3.02	3.02
10 (OFF)	3.02	3.03	3.01	3.02	3.02	3.02	3.03	3.03	3.02
11 (OFF)	3.01	3.01	3.01	3.02	3.01	3.02	3.01	3.02	3.02
Statistics bias off									
min result	3.01	3.01	3.01	3.01	3.01	3.02	3.01	3.02	3.02
max result	3.03	3.03	3.02	3.02	3.02	3.03	3.03	3.03	3.03
average	3.02	3.02	3.01	3.02	3.02	3.02	3.02	3.02	3.02
sigma	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00



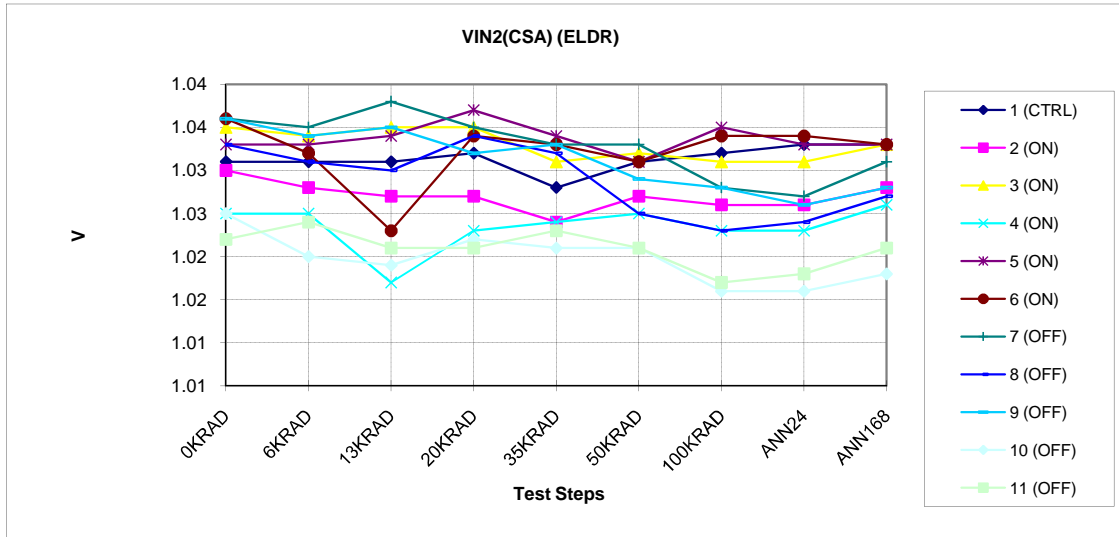
AV2(CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85	2.85
Max	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15	3.15
Unit	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V	V/V
Control Results									
1 (CTRL)	3.02	3.01	3.01	3.01	3.02	3.01	3.01	3.01	3.01

Bias on results									
2 (ON)	3.01	3.02	3.02	3.02	3.02	3.03	3.02	3.03	3.03
3 (ON)	3.02	3.01	3.02	3.01	3.01	3.01	3.02	3.02	3.02
4 (ON)	3.01	3.01	3.01	3.02	3.02	3.02	3.01	3.02	3.03
5 (ON)	3.02	3.03	3.03	3.02	3.03	3.03	3.04	3.03	3.04
6 (ON)	3.02	3.01	3.02	3.02	3.02	3.01	3.03	3.03	3.02
Statistics bias on									
min result	3.01	3.01	3.01	3.01	3.01	3.01	3.01	3.02	3.02
max result	3.02	3.03	3.03	3.02	3.03	3.03	3.04	3.03	3.04
average	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.03
sigma	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.01	0.01

Bias off results									
7 (OFF)	3.02	3.01	3.02	3.01	3.02	3.03	3.03	3.02	3.02
8 (OFF)	3.02	3.03	3.03	3.03	3.02	3.03	3.03	3.03	3.03
9 (OFF)	3.02	3.01	3.02	3.02	3.01	3.02	3.02	3.02	3.03
10 (OFF)	3.03	3.01	3.03	3.02	3.02	3.02	3.03	3.03	3.03
11 (OFF)	3.02	3.01	3.02	3.01	3.01	3.02	3.02	3.01	3.02
Statistics bias off									
min result	3.02	3.01	3.02	3.01	3.01	3.02	3.02	3.01	3.02
max result	3.03	3.03	3.03	3.03	3.02	3.03	3.03	3.03	3.03
average	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.03
sigma	0.00	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.01



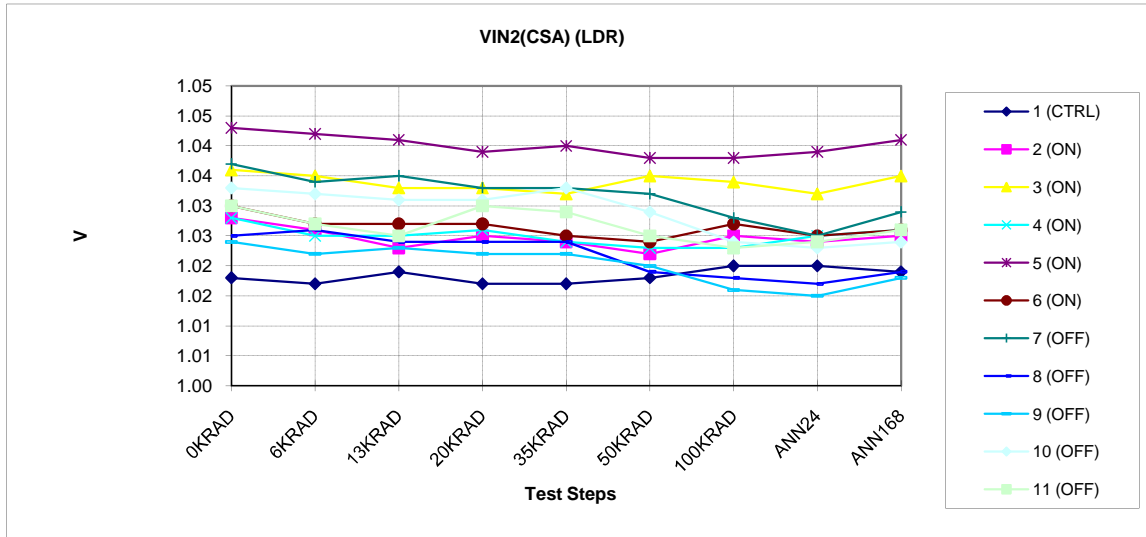
AV2(CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	3.02	3.02	3.02	3.02	3.02	3.02	3.03	3.03	3.03
ELDR OFF	3.02	3.02	3.01	3.02	3.02	3.02	3.02	3.02	3.02
LDR ON	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.03
LDR OFF	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.02	3.03



VIN2(CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Max	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03

Bias on results									
2 (ON)	1.03	1.03	1.03	1.03	1.02	1.03	1.03	1.03	1.03
3 (ON)	1.04	1.03	1.04	1.04	1.03	1.03	1.03	1.03	1.03
4 (ON)	1.03	1.03	1.02	1.02	1.02	1.03	1.02	1.02	1.03
5 (ON)	1.03	1.03	1.03	1.04	1.03	1.03	1.04	1.03	1.03
6 (ON)	1.04	1.03	1.02	1.03	1.03	1.03	1.03	1.03	1.03
Statistics bias on									
min result	1.03	1.03	1.02	1.02	1.02	1.03	1.02	1.02	1.03
max result	1.04	1.03	1.04	1.04	1.03	1.03	1.04	1.03	1.03
average	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
sigma	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.00	0.00

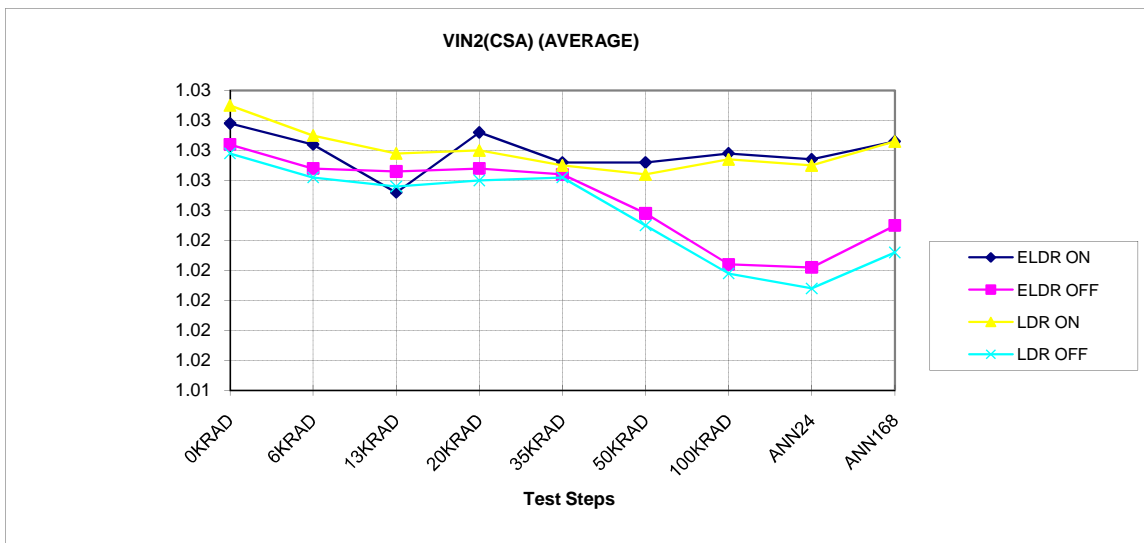
Bias off results									
7 (OFF)	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03
8 (OFF)	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.03
9 (OFF)	1.04	1.03	1.04	1.03	1.03	1.03	1.03	1.03	1.03
10 (OFF)	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
11 (OFF)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
Statistics bias off									
min result	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
max result	1.04	1.04	1.04	1.04	1.03	1.03	1.03	1.03	1.03
average	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.03
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.01



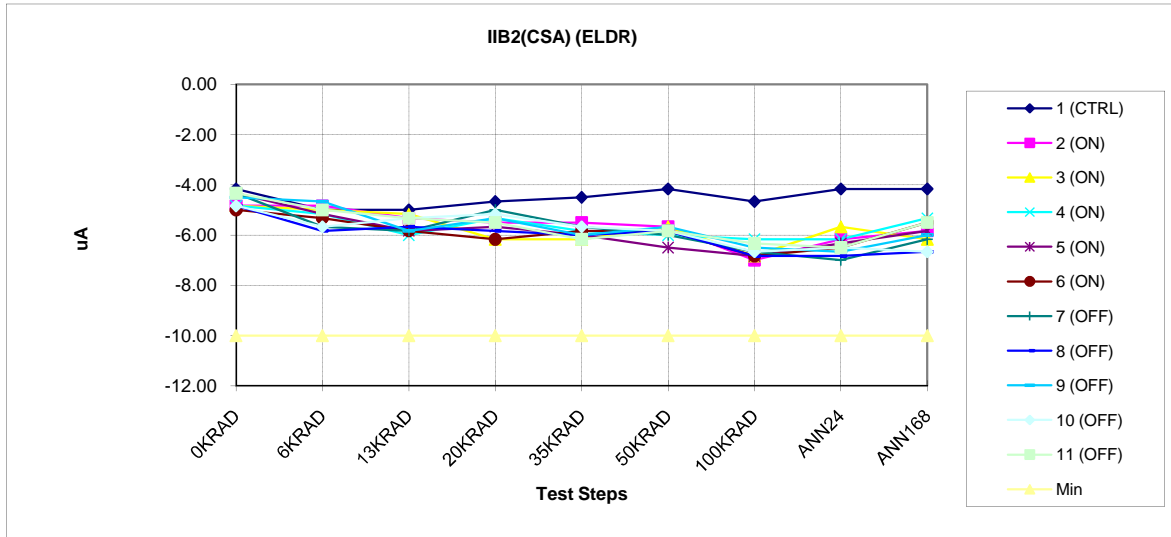
VIN2(CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Max	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02

Bias on results									
2 (ON)	1.03	1.03	1.02	1.03	1.02	1.02	1.03	1.02	1.03
3 (ON)	1.04	1.04	1.03	1.03	1.03	1.04	1.03	1.03	1.04
4 (ON)	1.03	1.03	1.03	1.03	1.02	1.02	1.02	1.03	1.03
5 (ON)	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
6 (ON)	1.03	1.03	1.03	1.03	1.03	1.02	1.03	1.03	1.03
Statistics bias on									
min result	1.03	1.03	1.02	1.03	1.02	1.02	1.02	1.02	1.03
max result	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04
average	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
sigma	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Bias off results									
7 (OFF)	1.04	1.03	1.04	1.03	1.03	1.03	1.03	1.03	1.03
8 (OFF)	1.03	1.03	1.02	1.02	1.02	1.02	1.02	1.02	1.02
9 (OFF)	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
10 (OFF)	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.02
11 (OFF)	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.03
Statistics bias off									
min result	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02	1.02
max result	1.04	1.03	1.04	1.03	1.03	1.03	1.03	1.03	1.03
average	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.02
sigma	0.01	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00



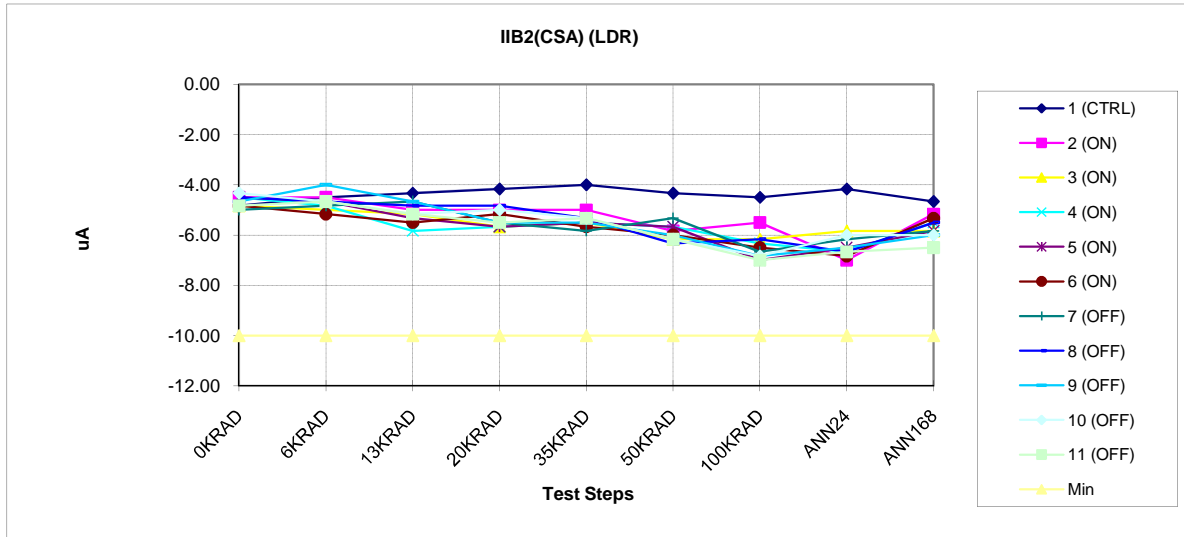
VIN2(CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
ELDR OFF	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.03
LDR ON	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
LDR OFF	1.03	1.03	1.03	1.03	1.03	1.03	1.02	1.02	1.02



IIB2(CSA) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
Control Results									
1 (CTRL)	-4.17	-5.00	-5.00	-4.67	-4.50	-4.17	-4.67	-4.17	-4.17

Bias on results									
2 (ON)	-4.83	-4.83	-5.33	-5.50	-5.50	-5.67	-7.00	-6.17	-5.83
3 (ON)	-4.83	-5.00	-5.17	-6.17	-6.17	-5.67	-6.83	-5.67	-6.17
4 (ON)	-4.83	-5.17	-6.00	-5.33	-5.83	-6.00	-6.17	-6.17	-5.33
5 (ON)	-4.33	-5.17	-5.83	-5.67	-6.00	-6.50	-6.83	-6.33	-5.83
6 (ON)	-5.00	-5.33	-5.83	-6.17	-5.83	-5.83	-6.83	-6.50	-5.50
Statistics bias on									
min result	-5.00	-5.33	-6.00	-6.17	-6.17	-6.50	-7.00	-6.50	-6.17
max result	-4.33	-4.83	-5.17	-5.33	-5.50	-5.67	-6.17	-5.67	-5.33
average	-4.77	-5.10	-5.63	-5.77	-5.87	-5.93	-6.73	-6.17	-5.73
sigma	0.25	0.19	0.36	0.38	0.25	0.35	0.32	0.31	0.33

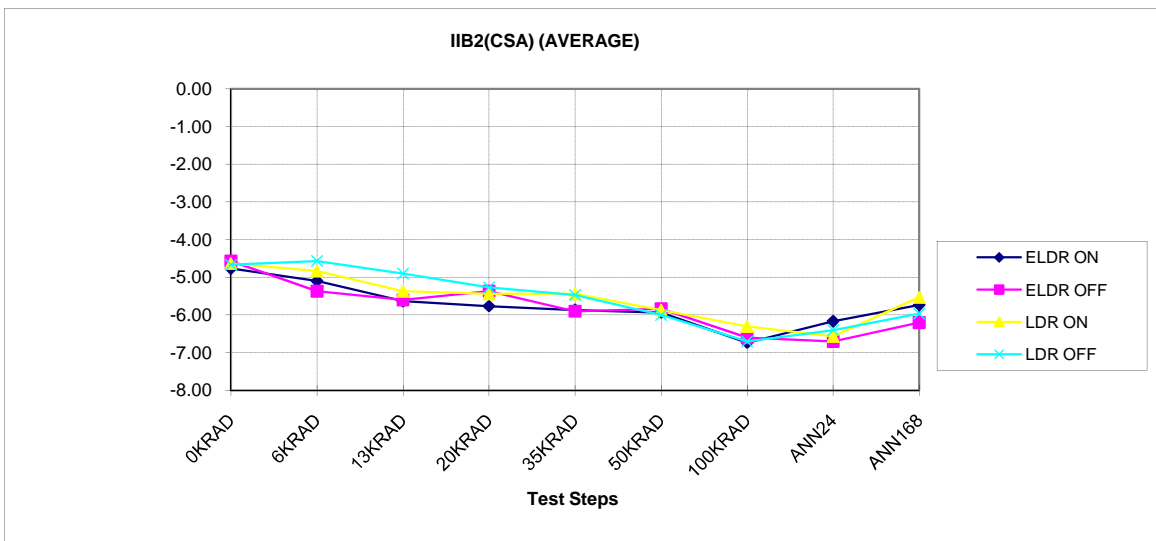
Bias off results									
7 (OFF)	-4.33	-5.67	-5.83	-5.00	-5.67	-6.00	-6.67	-7.00	-6.17
8 (OFF)	-4.83	-5.83	-5.67	-5.83	-6.00	-5.83	-6.83	-6.83	-6.67
9 (OFF)	-4.50	-4.67	-5.83	-5.33	-6.00	-5.67	-6.50	-6.67	-6.00
10 (OFF)	-4.83	-5.67	-5.33	-5.17	-5.67	-5.83	-6.67	-6.50	-6.67
11 (OFF)	-4.33	-5.00	-5.33	-5.50	-6.17	-5.83	-6.33	-6.50	-5.50
Statistics bias off									
min result	-4.83	-5.83	-5.83	-5.83	-6.17	-6.00	-6.83	-7.00	-6.67
max result	-4.33	-4.67	-5.33	-5.00	-5.67	-5.67	-6.33	-6.50	-5.50
average	-4.57	-5.37	-5.60	-5.37	-5.90	-5.83	-6.60	-6.70	-6.20
sigma	0.25	0.51	0.25	0.32	0.22	0.12	0.19	0.22	0.49



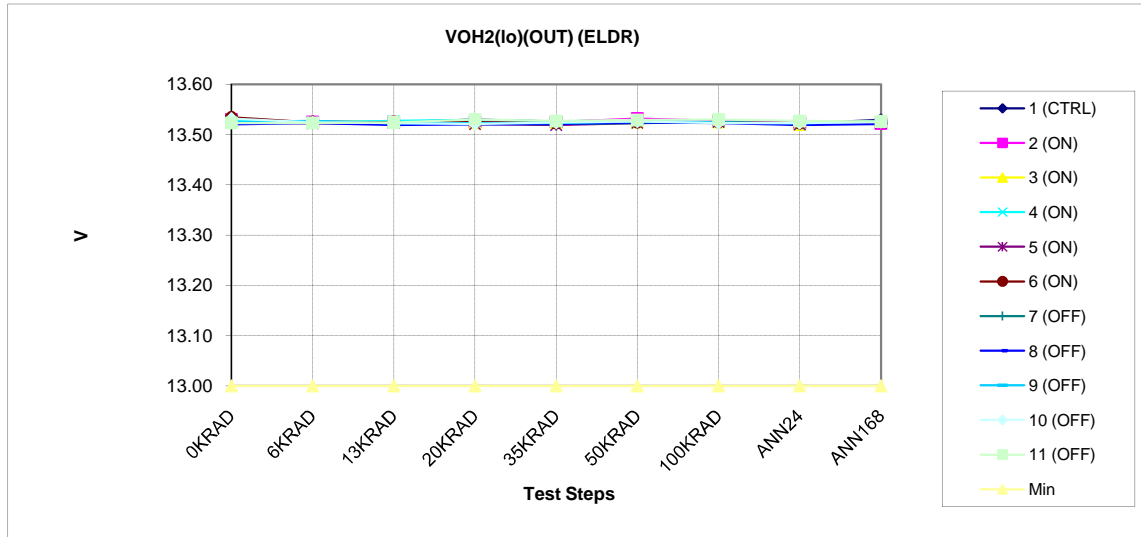
IIB2(CSA) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	-10	-10	-10	-10	-10	-10	-10	-10	-10
Max	--	--	--	--	--	--	--	--	--
Unit	uA	uA	uA	uA	uA	uA	uA	uA	uA
Control Results									
1 (CTRL)	-4.83	-4.50	-4.33	-4.17	-4.00	-4.33	-4.50	-4.17	-4.67

Bias on results									
2 (ON)	-4.50	-4.50	-5.00	-5.00	-5.00	-5.83	-5.50	-7.00	-5.17
3 (ON)	-4.83	-5.00	-5.17	-5.67	-5.50	-6.17	-6.17	-5.83	-5.83
4 (ON)	-4.50	-4.83	-5.83	-5.67	-5.50	-5.67	-6.33	-6.67	-5.50
5 (ON)	-4.50	-4.67	-5.33	-5.67	-5.50	-5.67	-7.00	-6.50	-5.83
6 (ON)	-4.83	-5.17	-5.50	-5.17	-5.67	-6.00	-6.50	-6.83	-5.33
Statistics bias on									
min result	-4.83	-5.17	-5.83	-5.67	-5.67	-6.17	-7.00	-7.00	-5.83
max result	-4.50	-4.50	-5.00	-5.00	-5.00	-5.67	-5.50	-5.83	-5.17
average	-4.63	-4.83	-5.37	-5.43	-5.43	-5.87	-6.30	-6.57	-5.53
sigma	0.18	0.26	0.32	0.33	0.25	0.22	0.55	0.45	0.30

Bias off results									
7 (OFF)	-5.00	-4.83	-4.67	-5.50	-5.83	-5.33	-6.67	-6.17	-5.83
8 (OFF)	-4.50	-4.67	-4.83	-4.83	-5.33	-6.33	-6.17	-6.67	-5.50
9 (OFF)	-4.67	-4.00	-4.67	-5.50	-5.50	-6.00	-6.83	-6.50	-6.00
10 (OFF)	-4.33	-4.67	-5.17	-5.00	-5.33	-6.17	-6.83	-6.00	-6.00
11 (OFF)	-4.83	-4.67	-5.17	-5.50	-5.33	-6.17	-7.00	-6.67	-6.50
Statistics bias off									
min result	-5.00	-4.83	-5.17	-5.50	-5.83	-6.33	-7.00	-6.67	-6.50
max result	-4.33	-4.00	-4.67	-4.83	-5.33	-5.33	-6.17	-6.00	-5.50
average	-4.67	-4.57	-4.90	-5.27	-5.47	-6.00	-6.70	-6.40	-5.97
sigma	0.26	0.32	0.25	0.33	0.22	0.39	0.32	0.30	0.36



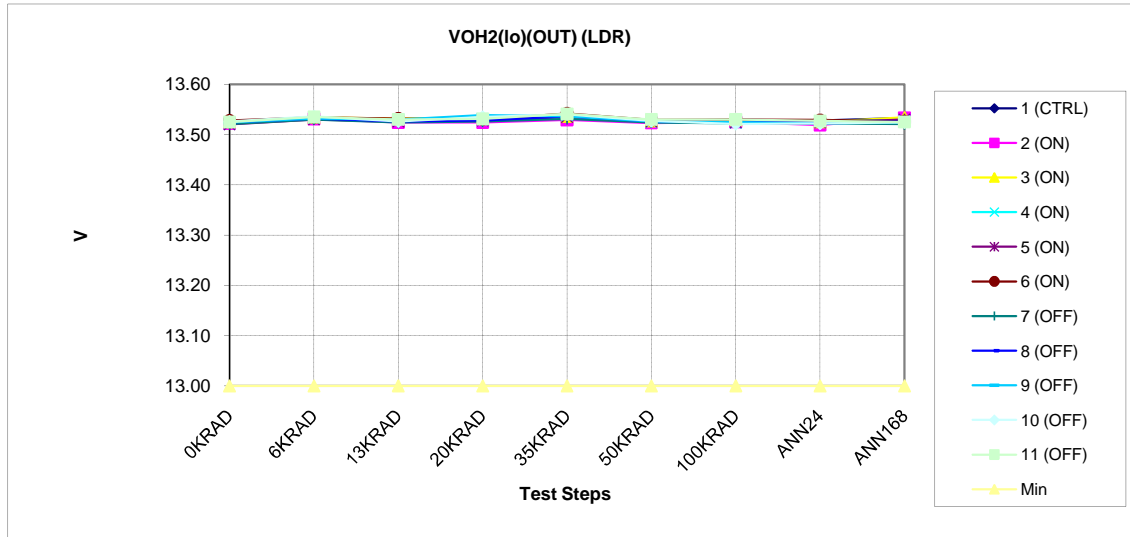
IIB2(CSA) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	-4.77	-5.10	-5.63	-5.77	-5.87	-5.93	-6.73	-6.17	-5.73
ELDR OFF	-4.57	-5.37	-5.60	-5.37	-5.90	-5.83	-6.60	-6.70	-6.20
LDR ON	-4.63	-4.83	-5.37	-5.43	-5.43	-5.87	-6.30	-6.57	-5.53
LDR OFF	-4.67	-4.57	-4.90	-5.27	-5.47	-6.00	-6.70	-6.40	-5.97



VOH2(lo)(OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	13	13	13	13	13	13	13	13	13
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	13.53	13.53	13.53	13.53	13.53	13.53	13.53	13.52	13.53

Bias on results									
2 (ON)	13.53	13.53	13.52	13.52	13.53	13.53	13.53	13.52	13.52
3 (ON)	13.53	13.53	13.53	13.52	13.52	13.53	13.53	13.52	13.53
4 (ON)	13.53	13.52	13.53	13.53	13.53	13.53	13.53	13.52	13.53
5 (ON)	13.53	13.52	13.52	13.52	13.52	13.52	13.53	13.52	13.52
6 (ON)	13.53	13.52	13.53	13.53	13.52	13.53	13.53	13.52	13.53
Statistics bias on									
min result	13.53	13.52	13.52	13.52	13.52	13.52	13.53	13.52	13.52
max result	13.53	13.53	13.53	13.53	13.53	13.53	13.53	13.52	13.53
average	13.53	13.52	13.53	13.52	13.52	13.53	13.53	13.52	13.52
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

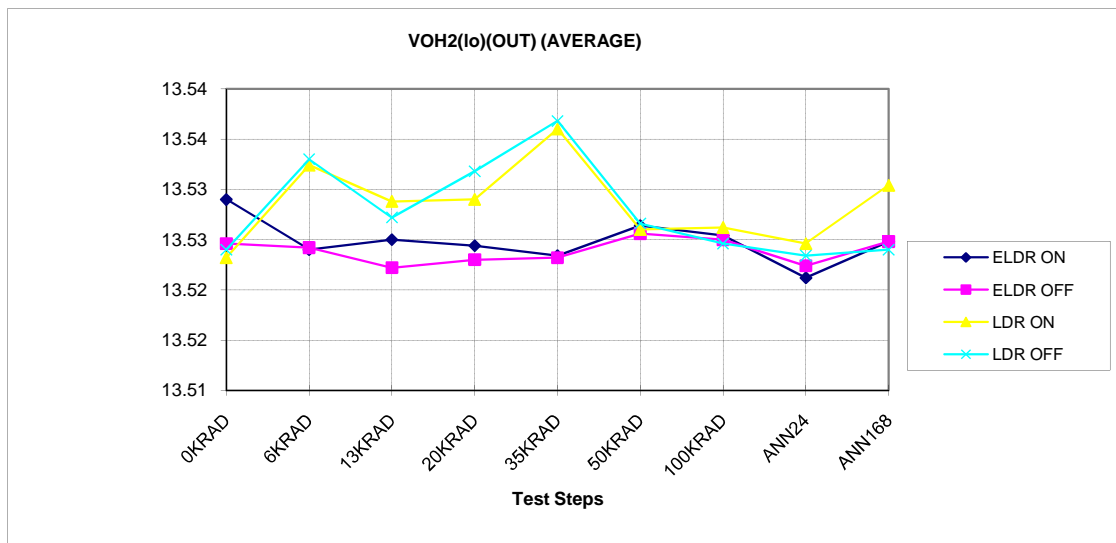
Bias off results									
7 (OFF)	13.52	13.52	13.52	13.52	13.52	13.52	13.53	13.52	13.53
8 (OFF)	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52
9 (OFF)	13.53	13.53	13.52	13.52	13.52	13.53	13.52	13.52	13.53
10 (OFF)	13.53	13.52	13.52	13.52	13.52	13.52	13.53	13.52	13.53
11 (OFF)	13.52	13.52	13.52	13.53	13.53	13.53	13.53	13.53	13.53
Statistics bias off									
min result	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52	13.52
max result	13.53	13.53	13.52	13.53	13.53	13.53	13.53	13.53	13.53
average	13.52	13.52	13.52	13.52	13.52	13.53	13.53	13.52	13.52
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



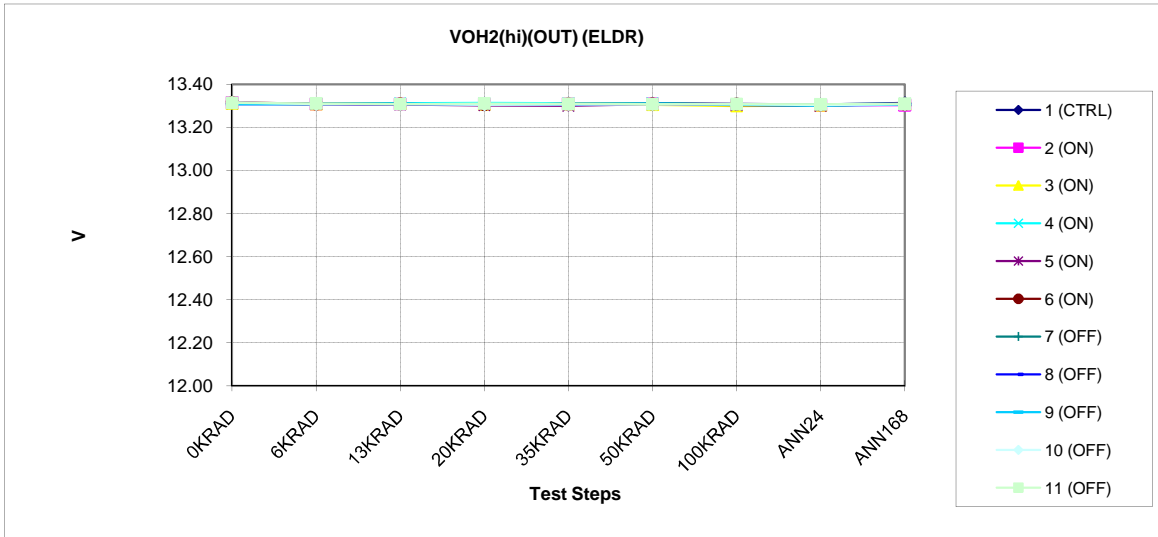
VOH2(lo)(OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	13	13	13	13	13	13	13	13	13
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	13.52	13.53	13.53	13.53	13.54	13.53	13.53	13.53	13.53

Bias on results									
2 (ON)	13.52	13.53	13.52	13.52	13.53	13.52	13.53	13.52	13.53
3 (ON)	13.53	13.53	13.53	13.53	13.54	13.53	13.53	13.53	13.53
4 (ON)	13.52	13.53	13.53	13.53	13.54	13.53	13.52	13.53	13.53
5 (ON)	13.52	13.53	13.53	13.53	13.54	13.53	13.52	13.52	13.53
6 (ON)	13.53	13.53	13.53	13.53	13.54	13.53	13.53	13.53	13.53
Statistics bias on									
min result	13.52	13.53	13.52	13.52	13.53	13.52	13.52	13.52	13.53
max result	13.53	13.53	13.53	13.53	13.54	13.53	13.53	13.53	13.53
average	13.52	13.53	13.53	13.53	13.54	13.53	13.53	13.52	13.53
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Bias off results									
7 (OFF)	13.52	13.53	13.52	13.53	13.53	13.52	13.52	13.52	13.52
8 (OFF)	13.52	13.53	13.53	13.53	13.54	13.53	13.53	13.52	13.53
9 (OFF)	13.52	13.53	13.53	13.54	13.54	13.53	13.53	13.52	13.52
10 (OFF)	13.53	13.54	13.53	13.54	13.54	13.53	13.52	13.52	13.52
11 (OFF)	13.53	13.54	13.53	13.53	13.54	13.53	13.53	13.53	13.53
Statistics bias off									
min result	13.52	13.53	13.52	13.53	13.53	13.52	13.52	13.52	13.52
max result	13.53	13.54	13.53	13.54	13.54	13.53	13.53	13.53	13.53
average	13.52	13.53	13.53	13.53	13.54	13.53	13.52	13.52	13.52
sigma	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00



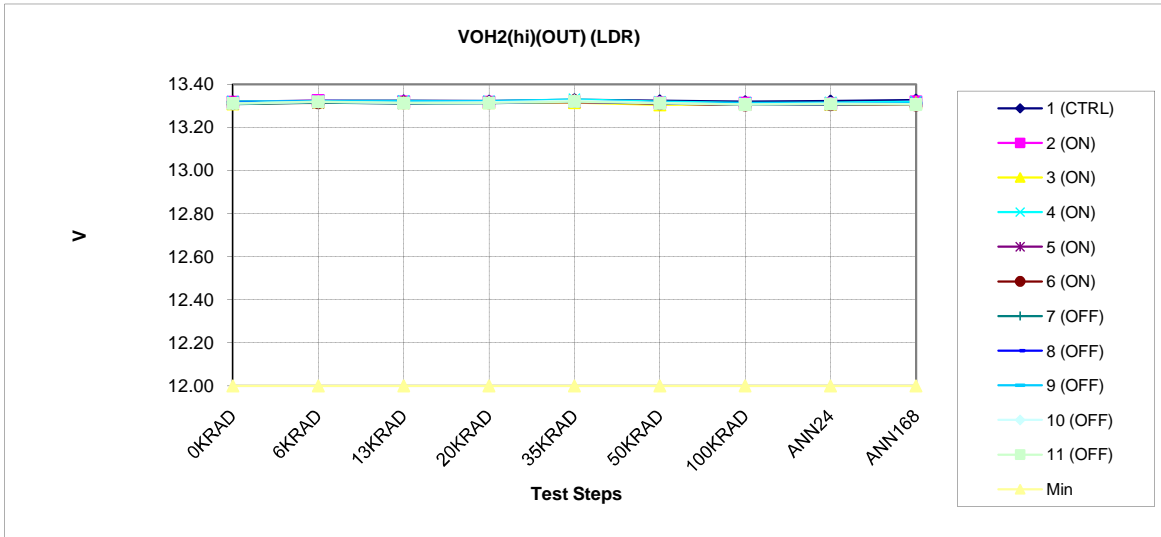
VOH2(Io)(OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	13.53	13.52	13.53	13.52	13.52	13.53	13.53	13.52	13.52
ELDR OFF	13.52	13.52	13.52	13.52	13.52	13.53	13.53	13.52	13.52
LDR ON	13.52	13.53	13.53	13.53	13.54	13.53	13.53	13.52	13.53
LDR OFF	13.52	13.53	13.53	13.53	13.54	13.53	13.52	13.52	13.52



VOH2(hi)(OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	12	12	12	12	12	12	12	12	12
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31

Bias on results									
2 (ON)	13.32	13.31	13.31	13.31	13.31	13.31	13.30	13.30	13.30
3 (ON)	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.30	13.31
4 (ON)	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31
5 (ON)	13.31	13.31	13.31	13.30	13.30	13.31	13.30	13.30	13.31
6 (ON)	13.32	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31
Statistics bias on									
min result	13.31	13.31	13.31	13.30	13.30	13.31	13.30	13.30	13.30
max result	13.32	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31
average	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.30	13.31
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

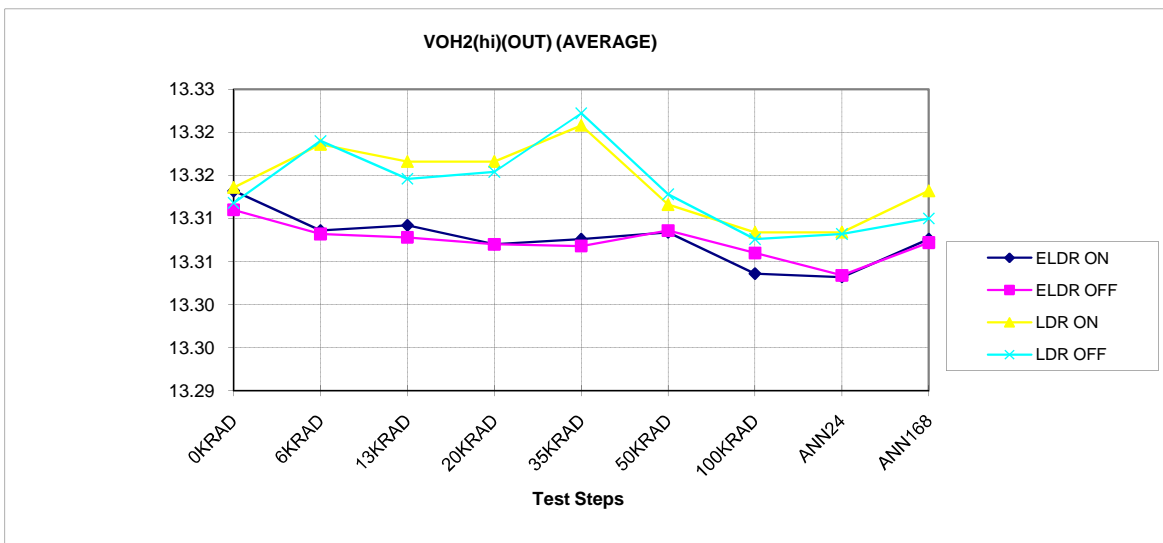
Bias off results									
7 (OFF)	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.31
8 (OFF)	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31
9 (OFF)	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.30	13.31
10 (OFF)	13.32	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.31
11 (OFF)	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31
Statistics bias off									
min result	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.30	13.31
max result	13.32	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.31
average	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.31
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



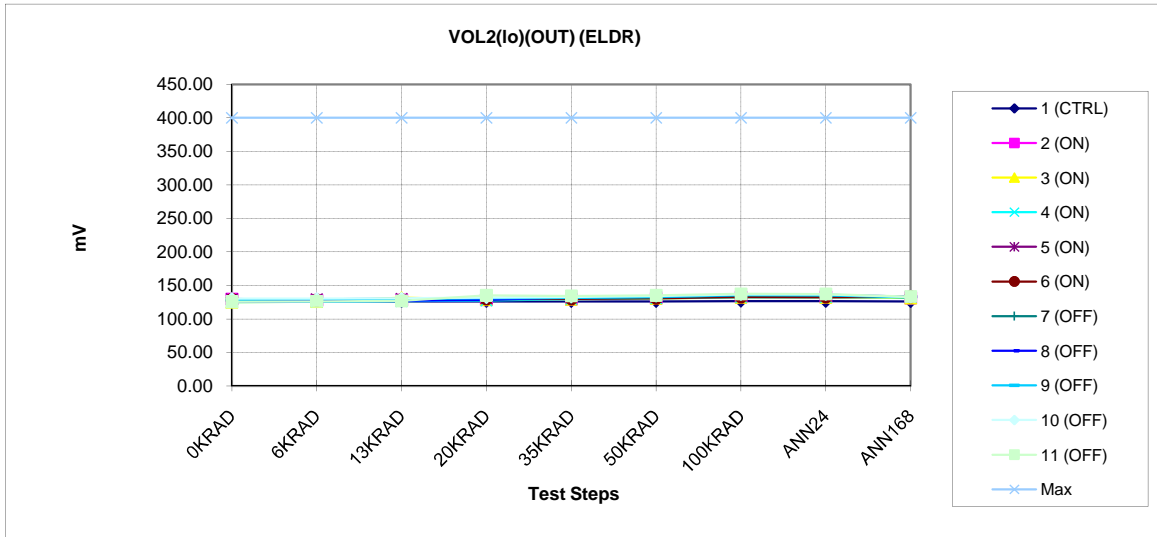
VOH2(hi)(OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	12	12	12	12	12	12	12	12	12
Max	--	--	--	--	--	--	--	--	--
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	13.32	13.32	13.32	13.32	13.33	13.32	13.32	13.32	13.33

Bias on results									
2 (ON)	13.32	13.32	13.32	13.32	13.32	13.31	13.31	13.31	13.32
3 (ON)	13.31	13.32	13.32	13.31	13.32	13.30	13.31	13.31	13.32
4 (ON)	13.32	13.32	13.32	13.32	13.33	13.32	13.31	13.32	13.32
5 (ON)	13.31	13.32	13.31	13.32	13.32	13.31	13.30	13.31	13.31
6 (ON)	13.31	13.31	13.32	13.32	13.32	13.31	13.30	13.31	13.30
Statistics bias on									
min result	13.31	13.31	13.31	13.31	13.32	13.30	13.30	13.31	13.30
max result	13.32	13.32	13.32	13.32	13.33	13.32	13.31	13.32	13.32
average	13.31	13.32	13.32	13.32	13.32	13.31	13.31	13.31	13.31
sigma	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.01

Bias off results									
7 (OFF)	13.31	13.32	13.31	13.31	13.32	13.31	13.31	13.31	13.31
8 (OFF)	13.32	13.32	13.31	13.31	13.32	13.31	13.31	13.31	13.31
9 (OFF)	13.31	13.32	13.32	13.32	13.33	13.31	13.31	13.31	13.31
10 (OFF)	13.31	13.32	13.31	13.32	13.32	13.31	13.31	13.31	13.31
11 (OFF)	13.31	13.32	13.31	13.31	13.32	13.31	13.31	13.31	13.31
Statistics bias off									
min result	13.31	13.32	13.31	13.31	13.32	13.31	13.31	13.31	13.31
max result	13.32	13.32	13.32	13.32	13.33	13.31	13.31	13.31	13.31
average	13.31	13.32	13.31	13.32	13.32	13.31	13.31	13.31	13.31
sigma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



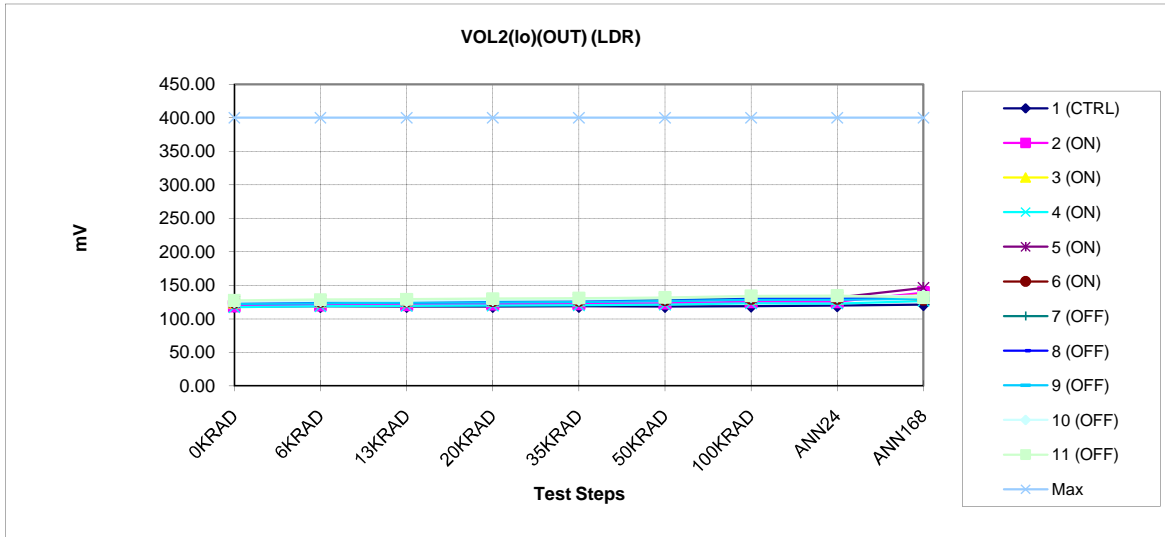
VOH2(hi)(OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.30	13.31
ELDR OFF	13.31	13.31	13.31	13.31	13.31	13.31	13.31	13.30	13.31
LDR ON	13.31	13.32	13.32	13.32	13.32	13.31	13.31	13.31	13.31
LDR OFF	13.31	13.32	13.31	13.32	13.32	13.31	13.31	13.31	13.31



VOL2(lo)(OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	400	400	400	400	400	400	400	400	400
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	126.42	126.39	126.23	126.28	126.09	126.22	126.50	126.34	126.04

Bias on results									
2 (ON)	129.72	127.66	128.05	128.63	129.25	130.72	132.44	132.79	131.32
3 (ON)	125.05	125.76	131.58	128.71	129.40	130.56	132.34	132.31	131.23
4 (ON)	124.88	125.80	126.63	127.37	129.63	130.81	132.47	132.45	132.40
5 (ON)	129.38	129.35	130.07	130.63	132.30	132.75	134.47	134.63	133.11
6 (ON)	129.16	128.23	128.59	129.55	129.79	130.86	132.72	132.48	133.13
Statistics bias on									
min result	124.88	125.76	126.63	127.37	129.25	130.56	132.34	132.31	131.23
max result	129.72	129.35	131.58	130.63	132.30	132.75	134.47	134.63	133.13
average	127.64	127.36	128.98	128.98	130.07	131.14	132.89	132.93	132.24
sigma	2.45	1.57	1.90	1.21	1.26	0.91	0.90	0.97	0.93

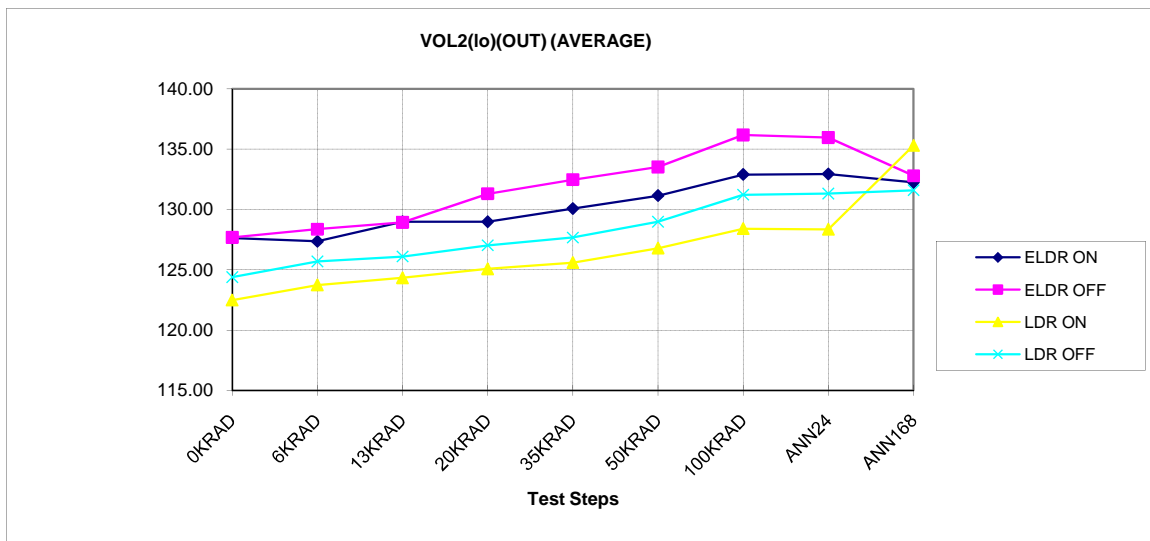
Bias off results									
7 (OFF)	128.44	129.28	129.76	130.47	131.21	132.46	135.03	134.98	132.24
8 (OFF)	125.62	126.51	127.19	128.32	132.26	133.39	135.99	136.01	133.03
9 (OFF)	128.59	129.36	129.84	130.83	131.51	132.73	135.68	135.12	132.40
10 (OFF)	130.24	130.44	130.99	131.77	132.97	133.98	136.75	136.46	132.84
11 (OFF)	125.53	126.21	126.88	135.10	134.38	135.04	137.41	137.23	133.44
Statistics bias off									
min result	125.53	126.21	126.88	128.32	131.21	132.46	135.03	134.98	132.24
max result	130.24	130.44	130.99	135.10	134.38	135.04	137.41	137.23	133.44
average	127.68	128.36	128.93	131.30	132.47	133.52	136.17	135.96	132.79
sigma	2.05	1.89	1.80	2.47	1.27	1.04	0.93	0.94	0.48



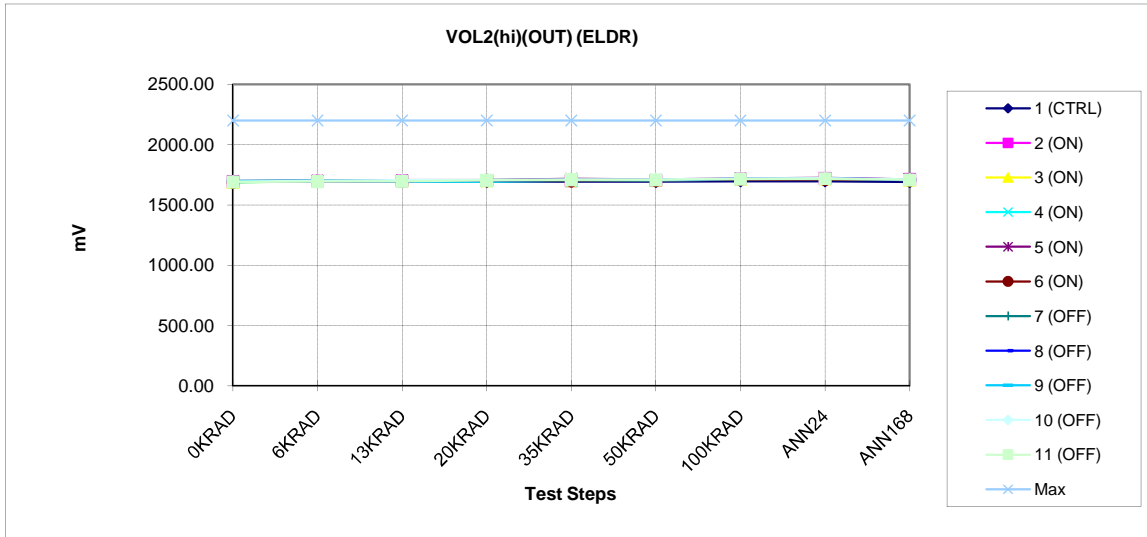
VOL2(lo)(OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	400	400	400	400	400	400	400	400	400
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	118.59	118.66	118.49	118.56	118.76	118.56	119.05	119.72	121.43

Bias on results									
2 (ON)	119.25	120.60	121.15	122.00	122.48	123.40	125.50	125.43	138.91
3 (ON)	124.96	126.35	126.97	127.72	128.16	130.31	130.80	130.69	135.35
4 (ON)	117.54	118.69	119.28	119.79	120.33	121.26	123.00	122.87	126.76
5 (ON)	125.52	126.88	127.51	128.34	129.08	130.25	131.93	131.99	146.15
6 (ON)	125.17	126.16	126.73	127.50	127.92	128.73	130.76	130.75	129.36
Statistics bias on									
min result	117.54	118.69	119.28	119.79	120.33	121.26	123.00	122.87	126.76
max result	125.52	126.88	127.51	128.34	129.08	130.31	131.93	131.99	146.15
average	122.49	123.74	124.33	125.07	125.59	126.79	128.40	128.35	135.31
sigma	3.79	3.80	3.82	3.90	3.92	4.19	3.92	3.97	7.73

Bias off results									
7 (OFF)	124.19	125.38	125.89	126.59	127.12	128.40	130.68	130.71	131.33
8 (OFF)	122.79	124.02	124.24	125.10	126.13	127.17	129.37	129.82	130.48
9 (OFF)	122.03	123.29	123.94	124.83	125.26	126.66	128.24	128.22	130.02
10 (OFF)	125.42	126.94	127.19	128.49	128.84	130.74	133.39	133.20	134.28
11 (OFF)	127.50	128.82	129.22	130.13	131.02	131.96	134.41	134.61	131.83
Statistics bias off									
min result	122.03	123.29	123.94	124.83	125.26	126.66	128.24	128.22	130.02
max result	127.50	128.82	129.22	130.13	131.02	131.96	134.41	134.61	134.28
average	124.39	125.69	126.10	127.03	127.67	128.99	131.22	131.31	131.59
sigma	2.17	2.24	2.18	2.26	2.30	2.29	2.62	2.58	1.66



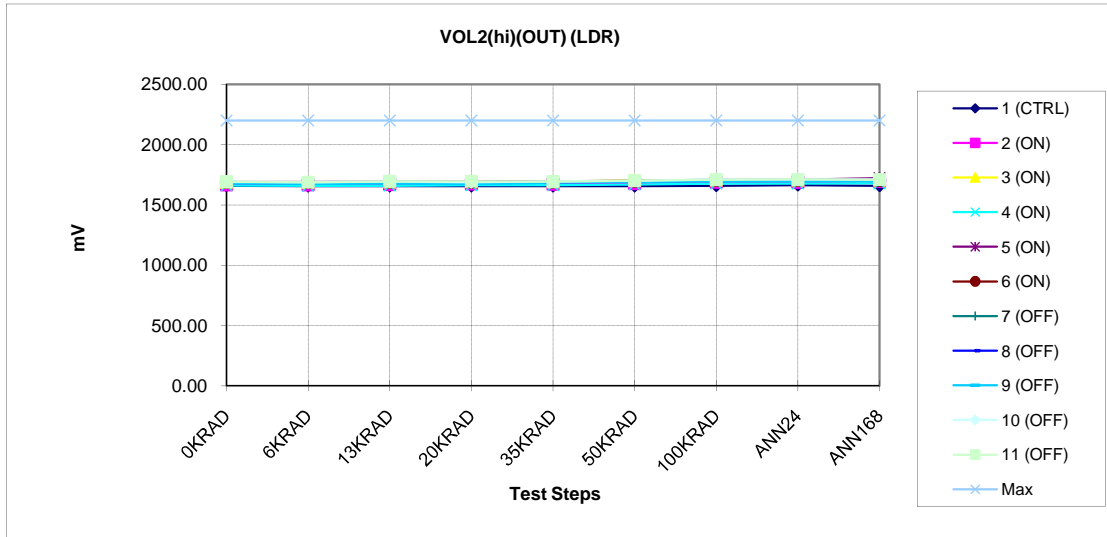
VOL2(Io)(OUT) (AVERAGE	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	127.64	127.36	128.98	128.98	130.07	131.14	132.89	132.93	132.24
ELDR OFF	127.68	128.36	128.93	131.30	132.47	133.52	136.17	135.96	132.79
LDR ON	122.49	123.74	124.33	125.07	125.59	126.79	128.40	128.35	135.31
LDR OFF	124.39	125.69	126.10	127.03	127.67	128.99	131.22	131.31	131.59



VOL2(hi)(OUT) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2200	2200	2200	2200	2200	2200	2200	2200	2200
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	1691.20	1693.60	1694.05	1691.50	1691.90	1691.85	1696.25	1696.35	1690.90

Bias on results									
2 (ON)	1692.40	1697.10	1698.35	1701.40	1700.70	1702.60	1715.25	1718.95	1710.95
3 (ON)	1686.50	1694.40	1701.60	1700.70	1700.75	1705.50	1712.80	1714.35	1706.15
4 (ON)	1687.20	1694.60	1693.60	1693.80	1700.55	1701.80	1711.75	1713.95	1708.65
5 (ON)	1697.60	1700.70	1704.95	1707.05	1716.20	1710.45	1719.25	1723.65	1712.35
6 (ON)	1689.00	1696.35	1697.30	1703.00	1700.20	1702.50	1709.75	1711.00	1707.65
Statistics bias on									
min result	1686.50	1694.40	1693.60	1693.80	1700.20	1701.80	1709.75	1711.00	1706.15
max result	1697.60	1700.70	1704.95	1707.05	1716.20	1710.45	1719.25	1723.65	1712.35
average	1690.54	1696.63	1699.16	1701.19	1703.68	1704.57	1713.76	1716.38	1709.15
sigma	4.56	2.55	4.32	4.81	7.00	3.58	3.65	4.96	2.50

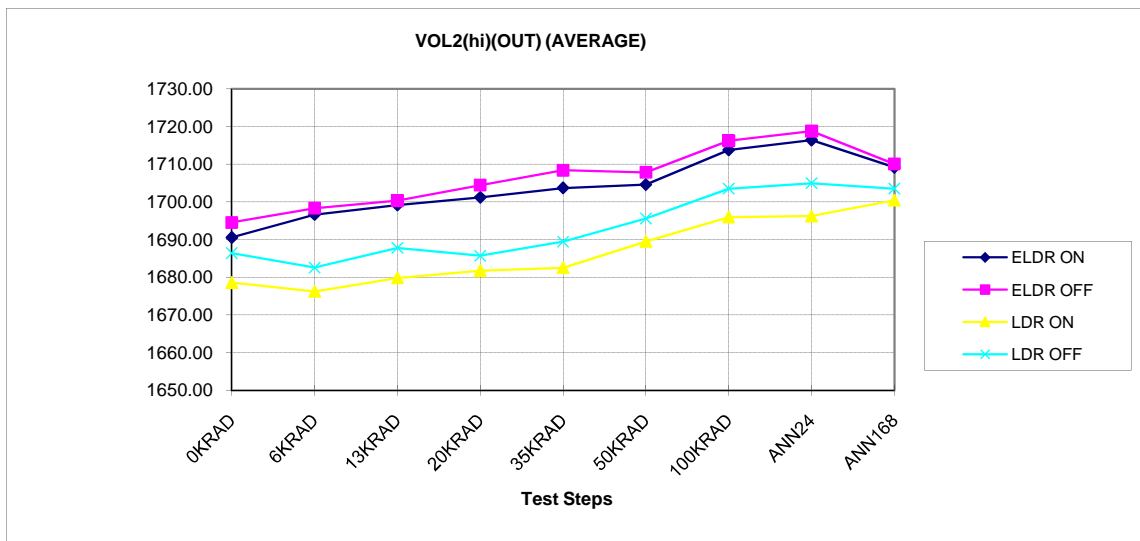
Bias off results									
7 (OFF)	1697.55	1701.20	1701.75	1703.80	1705.95	1705.50	1714.75	1718.95	1708.15
8 (OFF)	1693.00	1695.65	1698.05	1702.55	1708.45	1708.45	1716.80	1720.35	1712.15
9 (OFF)	1698.15	1700.25	1701.60	1705.15	1707.00	1706.65	1717.65	1716.30	1711.10
10 (OFF)	1693.75	1701.95	1705.15	1706.85	1711.65	1711.30	1718.35	1721.15	1711.20
11 (OFF)	1690.25	1692.65	1695.25	1703.85	1708.90	1707.30	1713.65	1717.15	1707.65
Statistics bias off									
min result	1690.25	1692.65	1695.25	1702.55	1705.95	1705.50	1713.65	1716.30	1707.65
max result	1698.15	1701.95	1705.15	1706.85	1711.65	1711.30	1718.35	1721.15	1712.15
average	1694.54	1698.34	1700.36	1704.44	1708.39	1707.84	1716.24	1718.78	1710.05
sigma	3.30	4.01	3.80	1.63	2.17	2.21	1.98	2.06	2.01



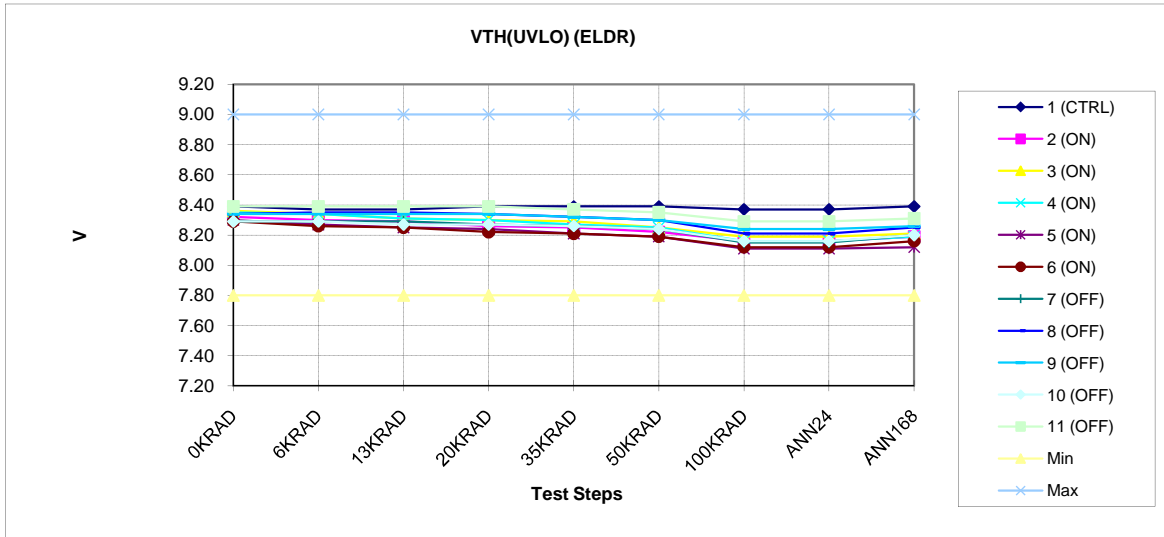
VOL2(hi)(OUT) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	--	--	--	--	--	--	--	--	--
Max	2200	2200	2200	2200	2200	2200	2200	2200	2200
Unit	mV	mV	mV	mV	mV	mV	mV	mV	mV
Control Results									
1 (CTRL)	1657.75	1656.05	1655.60	1655.70	1655.05	1655.45	1659.45	1664.35	1659.10

Bias on results									
2 (ON)	1666.30	1664.35	1669.15	1672.15	1671.85	1675.80	1686.70	1687.80	1695.75
3 (ON)	1686.50	1685.35	1688.60	1690.55	1691.10	1706.30	1702.85	1703.35	1703.15
4 (ON)	1661.30	1658.25	1659.20	1663.35	1663.60	1668.75	1675.90	1676.20	1679.05
5 (ON)	1690.90	1688.80	1693.20	1693.30	1696.30	1701.45	1709.15	1709.75	1721.85
6 (ON)	1688.00	1684.60	1688.95	1689.35	1689.85	1695.15	1705.10	1704.10	1702.30
Statistics bias on									
min result	1661.30	1658.25	1659.20	1663.35	1663.60	1668.75	1675.90	1676.20	1679.05
max result	1690.90	1688.80	1693.20	1693.30	1696.30	1706.30	1709.15	1709.75	1721.85
average	1678.60	1676.27	1679.82	1681.74	1682.54	1689.49	1695.94	1696.24	1700.42
sigma	13.72	13.93	14.82	13.22	14.04	16.40	14.08	13.85	15.40

Bias off results									
7 (OFF)	1687.50	1683.95	1690.60	1688.15	1690.05	1693.50	1702.05	1702.30	1700.00
8 (OFF)	1682.45	1678.70	1684.60	1683.30	1686.35	1691.50	1699.85	1704.25	1698.45
9 (OFF)	1679.70	1674.45	1677.10	1672.15	1683.80	1690.90	1694.10	1695.50	1697.50
10 (OFF)	1689.30	1687.20	1691.70	1688.65	1694.20	1701.90	1711.80	1712.25	1711.95
11 (OFF)	1693.10	1688.55	1695.10	1696.35	1692.80	1700.15	1709.80	1710.45	1709.65
Statistics bias off									
min result	1679.70	1674.45	1677.10	1672.15	1683.80	1690.90	1694.10	1695.50	1697.50
max result	1693.10	1688.55	1695.10	1696.35	1694.20	1701.90	1711.80	1712.25	1711.95
average	1686.41	1682.57	1687.82	1685.72	1689.44	1695.59	1703.52	1704.95	1703.51
sigma	5.36	5.92	7.09	8.91	4.35	5.09	7.29	6.71	6.76



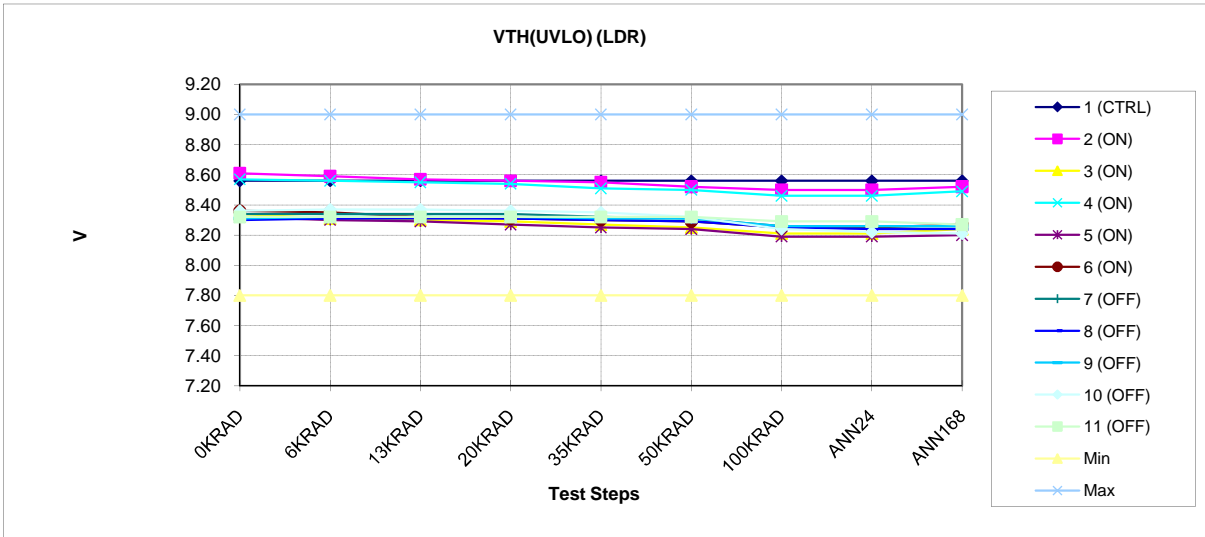
VOL2(hi)(OUT) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	1690.54	1696.63	1699.16	1701.19	1703.68	1704.57	1713.76	1716.38	1709.15
ELDR OFF	1694.54	1698.34	1700.36	1704.44	1708.39	1707.84	1716.24	1718.78	1710.05
LDR ON	1678.60	1676.27	1679.82	1681.74	1682.54	1689.49	1695.94	1696.24	1700.42
LDR OFF	1686.41	1682.57	1687.82	1685.72	1689.44	1695.59	1703.52	1704.95	1703.51



VTH(UVLO) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Max	9	9	9	9	9	9	9	9	9
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	8.39	8.37	8.37	8.39	8.39	8.39	8.37	8.37	8.39

Bias on results									
2 (ON)	8.32	8.30	8.29	8.26	8.25	8.22	8.16	8.16	8.19
3 (ON)	8.36	8.34	8.31	8.30	8.29	8.25	8.19	8.19	8.21
4 (ON)	8.35	8.34	8.31	8.30	8.27	8.25	8.16	8.16	8.19
5 (ON)	8.30	8.27	8.25	8.24	8.21	8.19	8.11	8.11	8.12
6 (ON)	8.29	8.26	8.25	8.22	8.21	8.19	8.12	8.12	8.16
Statistics bias on									
min result	8.29	8.26	8.25	8.22	8.21	8.19	8.11	8.11	8.12
max result	8.36	8.34	8.31	8.30	8.29	8.25	8.19	8.19	8.21
average	8.32	8.30	8.28	8.26	8.25	8.22	8.15	8.15	8.17
sigma	0.03	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.04

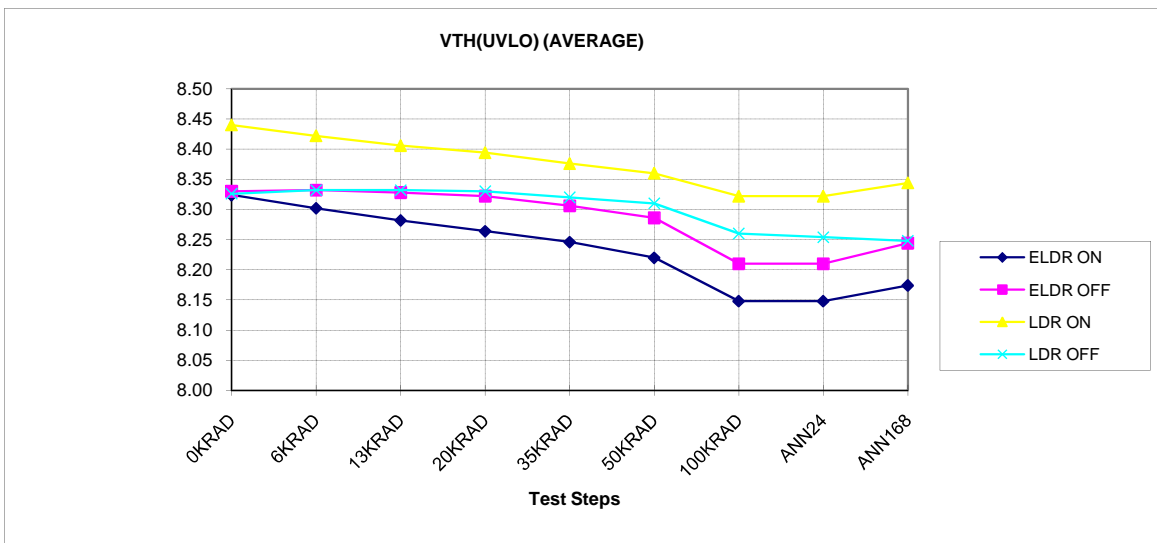
Bias off results									
7 (OFF)	8.29	8.29	8.29	8.27	8.26	8.24	8.15	8.15	8.20
8 (OFF)	8.34	8.35	8.35	8.34	8.32	8.30	8.21	8.21	8.25
9 (OFF)	8.34	8.34	8.34	8.34	8.32	8.30	8.24	8.24	8.26
10 (OFF)	8.29	8.29	8.27	8.27	8.26	8.24	8.16	8.16	8.20
11 (OFF)	8.39	8.39	8.39	8.39	8.37	8.35	8.29	8.29	8.31
Statistics bias off									
min result	8.29	8.29	8.27	8.27	8.26	8.24	8.15	8.15	8.20
max result	8.39	8.39	8.39	8.39	8.37	8.35	8.29	8.29	8.31
average	8.33	8.33	8.33	8.32	8.31	8.29	8.21	8.21	8.24
sigma	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.06	0.05



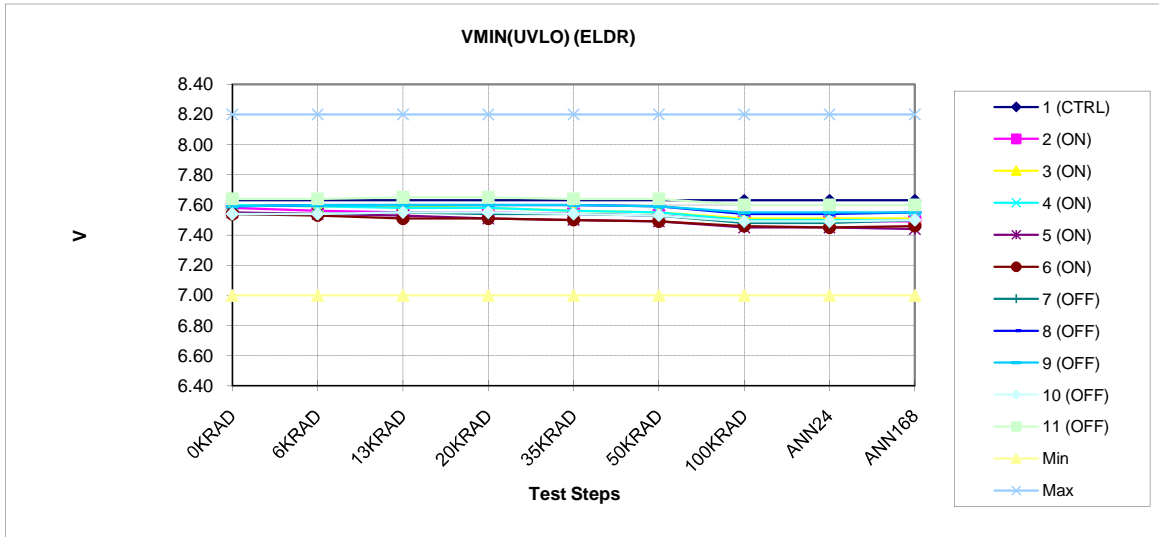
VTH(UVLO) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
Max	9	9	9	9	9	9	9	9	9
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56

Bias on results									
2 (ON)	8.61	8.59	8.57	8.56	8.55	8.52	8.50	8.50	8.52
3 (ON)	8.34	8.31	8.30	8.29	8.27	8.25	8.21	8.21	8.24
4 (ON)	8.57	8.56	8.55	8.54	8.51	8.50	8.46	8.46	8.49
5 (ON)	8.32	8.30	8.29	8.27	8.25	8.24	8.19	8.19	8.20
6 (ON)	8.36	8.35	8.32	8.31	8.30	8.29	8.25	8.25	8.27
Statistics bias on									
min result	8.32	8.30	8.29	8.27	8.25	8.24	8.19	8.19	8.20
max result	8.61	8.59	8.57	8.56	8.55	8.52	8.50	8.50	8.52
average	8.44	8.42	8.41	8.39	8.38	8.36	8.32	8.32	8.34
sigma	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15

Bias off results									
7 (OFF)	8.34	8.34	8.34	8.34	8.32	8.31	8.26	8.26	8.26
8 (OFF)	8.30	8.31	8.31	8.31	8.30	8.29	8.25	8.24	8.24
9 (OFF)	8.31	8.32	8.32	8.32	8.31	8.31	8.26	8.26	8.26
10 (OFF)	8.36	8.37	8.37	8.36	8.35	8.32	8.24	8.22	8.21
11 (OFF)	8.32	8.32	8.32	8.32	8.32	8.32	8.29	8.29	8.27
Statistics bias off									
min result	8.30	8.31	8.31	8.31	8.30	8.29	8.24	8.22	8.21
max result	8.36	8.37	8.37	8.36	8.35	8.32	8.29	8.29	8.27
average	8.33	8.33	8.33	8.33	8.32	8.31	8.26	8.25	8.25
sigma	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.03	0.02



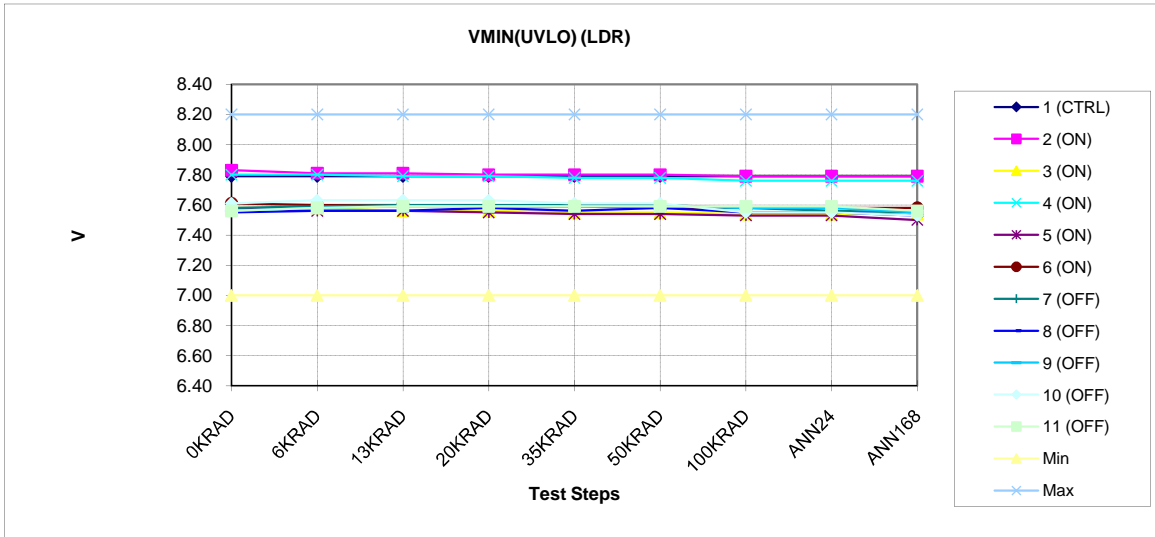
VTH(UVLO) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	8.32	8.30	8.28	8.26	8.25	8.22	8.15	8.15	8.17
ELDR OFF	8.33	8.33	8.33	8.32	8.31	8.29	8.21	8.21	8.24
LDR ON	8.44	8.42	8.41	8.39	8.38	8.36	8.32	8.32	8.34
LDR OFF	8.33	8.33	8.33	8.33	8.32	8.31	8.26	8.25	8.25



VMIN(UVLO) (ELDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	7	7	7	7	7	7	7	7	7
Max	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	7.63	7.63	7.63	7.63	7.63	7.63	7.63	7.63	7.63

Bias on results									
2 (ON)	7.58	7.56	7.55	7.55	7.54	7.53	7.49	7.49	7.49
3 (ON)	7.60	7.59	7.59	7.58	7.56	7.55	7.51	7.51	7.51
4 (ON)	7.60	7.59	7.58	7.58	7.56	7.55	7.50	7.50	7.50
5 (ON)	7.55	7.54	7.53	7.51	7.50	7.49	7.45	7.45	7.44
6 (ON)	7.54	7.53	7.51	7.51	7.50	7.49	7.46	7.45	7.46
Statistics bias on									
min result	7.54	7.53	7.51	7.51	7.50	7.49	7.45	7.45	7.44
max result	7.60	7.59	7.59	7.58	7.56	7.55	7.51	7.51	7.51
average	7.57	7.56	7.55	7.55	7.53	7.52	7.48	7.48	7.48
sigma	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03

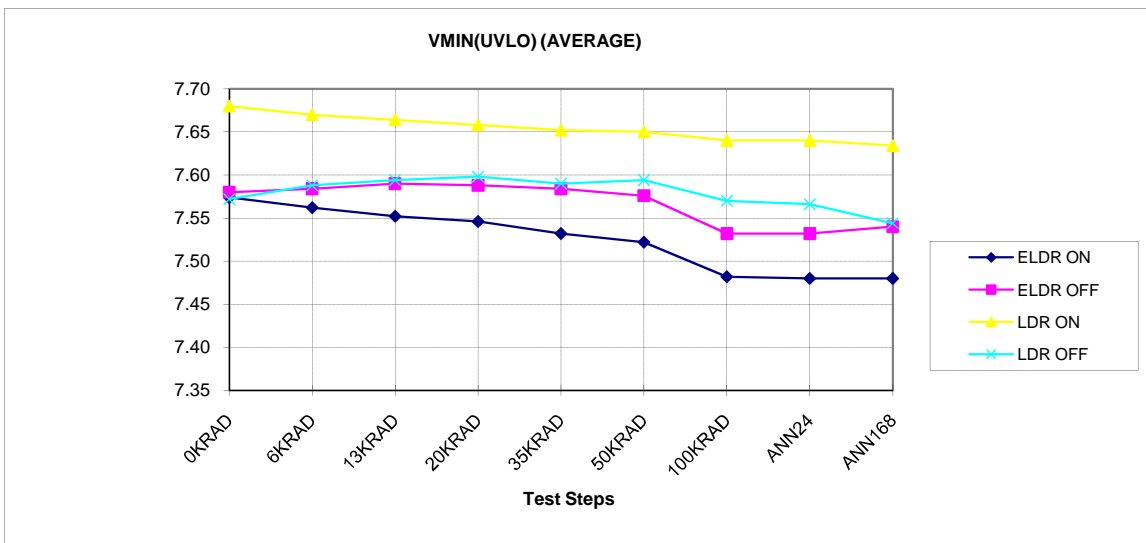
Bias off results									
7 (OFF)	7.54	7.54	7.55	7.54	7.54	7.53	7.48	7.48	7.50
8 (OFF)	7.59	7.60	7.60	7.60	7.60	7.59	7.54	7.54	7.55
9 (OFF)	7.59	7.60	7.60	7.60	7.60	7.59	7.55	7.55	7.55
10 (OFF)	7.54	7.54	7.55	7.55	7.54	7.53	7.49	7.49	7.50
11 (OFF)	7.64	7.64	7.65	7.65	7.64	7.64	7.60	7.60	7.60
Statistics bias off									
min result	7.54	7.54	7.55	7.54	7.54	7.53	7.48	7.48	7.50
max result	7.64	7.64	7.65	7.65	7.64	7.64	7.60	7.60	7.60
average	7.58	7.58	7.59	7.59	7.58	7.58	7.53	7.53	7.54
sigma	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.04



VMIN(UVLO) (LDR)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
Min	7	7	7	7	7	7	7	7	7
Max	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Unit	V	V	V	V	V	V	V	V	V
Control Results									
1 (CTRL)	7.79	7.79	7.79	7.79	7.79	7.79	7.79	7.79	7.79

Bias on results									
2 (ON)	7.83	7.81	7.81	7.80	7.80	7.80	7.79	7.79	7.79
3 (ON)	7.58	7.58	7.56	7.56	7.55	7.55	7.54	7.54	7.54
4 (ON)	7.80	7.80	7.79	7.79	7.78	7.78	7.76	7.76	7.76
5 (ON)	7.58	7.56	7.56	7.55	7.54	7.54	7.53	7.53	7.50
6 (ON)	7.61	7.60	7.60	7.59	7.59	7.58	7.58	7.58	7.58
Statistics bias on									
min result	7.58	7.56	7.56	7.55	7.54	7.54	7.53	7.53	7.50
max result	7.83	7.81	7.81	7.80	7.80	7.80	7.79	7.79	7.79
average	7.68	7.67	7.66	7.66	7.65	7.65	7.64	7.64	7.63
sigma	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13

Bias off results									
7 (OFF)	7.58	7.59	7.60	7.60	7.60	7.60	7.58	7.56	7.55
8 (OFF)	7.55	7.56	7.56	7.58	7.56	7.58	7.55	7.55	7.53
9 (OFF)	7.56	7.58	7.59	7.59	7.59	7.59	7.58	7.58	7.55
10 (OFF)	7.61	7.63	7.63	7.63	7.61	7.61	7.55	7.55	7.53
11 (OFF)	7.56	7.58	7.59	7.59	7.59	7.59	7.59	7.59	7.56
Statistics bias off									
min result	7.55	7.56	7.56	7.58	7.56	7.58	7.55	7.55	7.53
max result	7.61	7.63	7.63	7.63	7.61	7.61	7.59	7.59	7.56
average	7.57	7.59	7.59	7.60	7.59	7.59	7.57	7.57	7.54
sigma	0.02	0.03	0.03	0.02	0.02	0.01	0.02	0.02	0.01



VMIN(UVLO) (AVERAGE)	0KRAD	6KRAD	13KRAD	20KRAD	35KRAD	50KRAD	100KRAD	ANN24	ANN168
ELDR ON	7.57	7.56	7.55	7.55	7.53	7.52	7.48	7.48	7.48
ELDR OFF	7.58	7.58	7.59	7.59	7.58	7.58	7.53	7.53	7.54
LDR ON	7.68	7.67	7.66	7.66	7.65	7.65	7.64	7.64	7.63
LDR OFF	7.57	7.59	7.59	7.60	7.59	7.59	7.57	7.57	7.54



**TOTAL DOSE RADIATION
TEST REPORT
No. ATN-RR-009/2012**

Issue: 2/Rev:

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Date: 2012/11/12

R.L: 2011902913 / 2011902914

ANNEX II DOSIMETRY



RADIATION TEST SUMMARY

 Irradiation Test Report Number : **20139**

 Date : **18 June 2012**

Test Requester :	Name	Alter Technology
	Address	Avd. Tomas Alba Edison, 4 41092 Seville (SPAIN)
	Personnel present :	E Munoz Plaza, J Jimenez Carreira, E Bernabeu Torres
	Project/Cost Code :	TRP
	Devices/Components irradiated :	Linear Devices AD565AT,OP470,AD584,PM139X,REF02,OP27,UC1843
	Device/Component details :	AD565AT,OP470,OP27,AD565AT,OLH249,OLH449 66183-105,AD565AT,PM139X,PM139X,SOC5551,UC1846

(conditions and identification)

Dosimetry Chain used :	B
Dosimeter :	Farmer model 2680 – s/n 109
Gas Ionisation Chamber :	NE Type 2571 – s/n 3322
Measured Dosimetry :	Total Ionising Dose in [Gy] (water)

Dosimetry Procedure :	ESCC 22900 section 4.1.1 TEC-QEC/PR001 - Appendix D <i>(Total Ionising Dose accredited by RvA according to ISO/IEC 17025.2005 Certificate No. L517)</i>
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(With the exception of the above specified dosimetry equipment, ESTEC ⁶⁰Co Facility does not assume any liability for the calibration status of any other equipment lent to the requester)

Irradiation Test Campaign Details

Source Activity : 79.8 TBq

on date : 15 February 2012

	units	Min.	Max.	Time-weighted Average										
Temperature	°C	24.10	25.70	24.99	Dosimeter position relative to ⁶⁰ Co source <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 10%;">X</td> <td style="width: 10%;">cm</td> <td>130</td> </tr> <tr> <td>Y</td> <td>cm</td> <td>736</td> </tr> <tr> <td>Z</td> <td>cm</td> <td>62</td> </tr> </table>	X	cm	130	Y	cm	736	Z	cm	62
X	cm	130												
Y	cm	736												
Z	cm	62												
Pressure	mbar	982.60	1036.30	1014.74										
Relative Humidity	%	22.20	42.90	32.08										

Run	Start Date & Time (CET)	End Date & Time (CET)	Total Ionising Dose [Gy] (water)	Dose Rate [mGy/h] (water)
1	15/02/2012 15:18	15/02/2012 15:54	0.25	0.41
2	15/02/2012 16:16	16/02/2012 09:13	7.02	0.41
3	16/02/2012 09:18	16/02/2012 11:10	0.77	0.41
4	16/02/2012 11:20	17/02/2012 13:28	10.80	0.41

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5	17/02/2012 13:33	17/02/2012 15:33	0.82	0.41
6	17/02/2012 15:42	20/02/2012 09:08	27.02	0.41
7	20/02/2012 09:18	20/02/2012 11:11	0.78	0.41
8	20/02/2012 11:23	20/02/2012 13:49	1.00	0.41
9	20/02/2012 13:55	20/02/2012 15:16	0.55	0.41
10	20/02/2012 15:21	21/02/2012 09:36	7.47	0.41
11	21/02/2012 09:43	21/02/2012 10:58	0.52	0.41
12	21/02/2012 11:02	21/02/2012 14:00	1.22	0.41
13	21/02/2012 14:16	21/02/2012 16:14		
14	21/02/2012 16:35	22/02/2012 13:18	8.54	0.41
15	22/02/2012 13:28	22/02/2012 15:09	0.69	0.41
16	22/02/2012 15:17	23/02/2012 09:18	7.43	0.41
17	23/02/2012 09:25	23/02/2012 10:20	0.38	0.41
18	23/02/2012 11:09	24/02/2012 18:31	12.94	0.41
19	24/02/2012 18:33	27/02/2012 08:33	25.58	0.41
20	27/02/2012 08:47	27/02/2012 10:06	0.49	0.37
21	27/02/2012 10:12	27/02/2012 11:09	0.36	0.38
22	27/02/2012 11:11	27/02/2012 13:07	0.73	0.38
23	27/02/2012 13:10	27/02/2012 15:12	0.77	0.38
24	27/02/2012 15:16	27/02/2012 16:28	0.46	0.38
25	27/02/2012 16:31	28/02/2012 13:00	8.44	0.41
26	28/02/2012 13:10	28/02/2012 16:33	1.33	0.39
27	28/02/2012 16:36	28/02/2012 19:40	1.21	0.39
28	28/02/2012 19:42	29/02/2012 08:44	5.13	0.39
29	29/02/2012 08:48	29/02/2012 13:16	1.83	0.41
30	29/02/2012 13:18	29/02/2012 14:53	0.65	0.41
31	29/02/2012 15:06	29/02/2012 16:50		
32	29/02/2012 17:10	01/03/2012 08:36	6.30	0.41
33	01/03/2012 09:08	01/03/2012 14:03	2.01	0.41
34	01/03/2012 14:15	01/03/2012 16:29	0.92	0.41
35	01/03/2012 16:32	02/03/2012 08:50	6.70	0.41
36	02/03/2012 08:58	02/03/2012 17:29	3.53	0.41
37	02/03/2012 17:47	06/03/2012 09:02	37.75	0.43
38	06/03/2012 09:14	06/03/2012 09:15	0.00	0.31
39	06/03/2012 09:18	06/03/2012 10:36	0.51	0.39
40	06/03/2012 10:39	06/03/2012 11:44	0.43	0.40
41	06/03/2012 11:47	06/03/2012 13:56	0.85	0.39
42	06/03/2012 13:59	06/03/2012 14:49	0.33	0.39

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43	06/03/2012 14:52	06/03/2012 16:29	0.64	0.39
44	06/03/2012 16:35	06/03/2012 18:30	0.76	0.40
45	06/03/2012 18:33	07/03/2012 08:57	5.68	0.39
46	07/03/2012 09:01	07/03/2012 10:16	0.51	0.41
47	07/03/2012 10:23	08/03/2012 08:56	9.23	0.41
48	08/03/2012 09:06	08/03/2012 14:16	2.00	0.39
49	08/03/2012 14:29	08/03/2012 16:10		
50	08/03/2012 16:27	09/03/2012 09:19	6.90	0.41
51	09/03/2012 09:22	09/03/2012 11:40	0.94	0.41
52	09/03/2012 11:42	12/03/2012 13:22	30.14	0.41
53	12/03/2012 13:25	12/03/2012 15:53	1.01	0.41
54	12/03/2012 15:55	13/03/2012 09:04	7.00	0.41
55	13/03/2012 09:14	14/03/2012 08:49	9.23	0.39
56	14/03/2012 08:56	14/03/2012 11:37	1.05	0.39
57	14/03/2012 11:43	14/03/2012 17:04	2.09	0.39
58	14/03/2012 17:09	15/03/2012 09:02	6.48	0.41
59	15/03/2012 09:08	15/03/2012 09:37	0.19	0.39
60	15/03/2012 09:42	15/03/2012 15:00	2.07	0.39
61	15/03/2012 15:05	15/03/2012 17:14	0.88	0.41
62	15/03/2012 17:21	16/03/2012 10:24	6.68	0.39
63	16/03/2012 10:31	16/03/2012 16:01	2.15	0.39
64	16/03/2012 16:15	19/03/2012 09:08	26.46	0.41
65	19/03/2012 09:33	19/03/2012 09:35	0.01	0.40
66	19/03/2012 09:37	19/03/2012 10:23	0.31	0.41
67*	19/03/2012 11:22	19/03/2012 13:44	0.96	0.41
68	19/03/2012 14:02	19/03/2012 15:39		
69	19/03/2012 15:58	20/03/2012 10:19	7.32	0.41
70	20/03/2012 10:27	20/03/2012 10:47	0.14	0.40
71	20/03/2012 10:50	20/03/2012 11:09	0.13	0.41
72	20/03/2012 11:12	20/03/2012 12:45	0.62	0.40
73	20/03/2012 12:47	20/03/2012 13:39	0.35	0.41
74	20/03/2012 13:42	20/03/2012 16:29	1.10	0.40
75	20/03/2012 16:31	20/03/2012 17:40	0.47	0.41
76	20/03/2012 17:43	21/03/2012 09:08	6.13	0.40
77	21/03/2012 09:11	21/03/2012 10:22	0.49	0.41
78	21/03/2012 10:28	21/03/2012 10:45	0.12	0.40
79	21/03/2012 10:47	21/03/2012 11:27	0.27	0.41
80	21/03/2012 11:30	21/03/2012 11:52	0.15	0.40

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81	21/03/2012 11:54	21/03/2012 12:44	0.34	0.41
82	21/03/2012 12:47	21/03/2012 13:40	0.35	0.40
83	21/03/2012 13:42	21/03/2012 14:36	0.37	0.41
84	21/03/2012 14:38	21/03/2012 15:42	0.42	0.40
85	21/03/2012 15:44	21/03/2012 16:19	0.24	0.41
86	21/03/2012 16:21	21/03/2012 17:01	0.26	0.40
87	21/03/2012 17:05	30/03/2012 09:14	84.22	0.41
88	30/03/2012 09:24	30/03/2012 11:16	0.76	0.41
89	30/03/2012 11:20	30/03/2012 11:22	0.01	0.40
90	30/03/2012 11:26	30/03/2012 14:01	1.05	0.41
91	30/03/2012 14:05	30/03/2012 15:52	0.72	0.41
92	30/03/2012 15:56	30/03/2012 19:24	1.42	0.41
93	30/03/2012 20:03	30/03/2012 20:06	0.02	0.39
94	30/03/2012 20:09	30/03/2012 20:24	0.11	0.41
95	30/03/2012 20:27	30/03/2012 20:30	0.03	0.40
96	30/03/2012 20:32	30/03/2012 20:45	0.09	0.41
97	30/03/2012 20:49	30/03/2012 20:57	0.05	0.40
98	30/03/2012 21:21	02/04/2012 08:58	24.41	0.41
99	02/04/2012 09:01	03/04/2012 14:04	11.87	0.41
100	03/04/2012 14:22	03/04/2012 19:59	2.30	0.41
101	03/04/2012 20:05	03/04/2012 20:51	0.32	0.41
102	03/04/2012 20:57	04/04/2012 11:04	5.77	0.41
103	04/04/2012 11:07	04/04/2012 11:57	0.34	0.41
104	04/04/2012 12:02	05/04/2012 10:31	9.19	0.41
105	05/04/2012 10:37	05/04/2012 13:51	1.32	0.41
106	05/04/2012 14:11	05/04/2012 16:02	0.76	0.41
107	05/04/2012 16:04	10/04/2012 16:04	48.96	0.41
108	10/04/2012 17:38	11/04/2012 11:00	7.08	0.41
109	11/04/2012 13:32	11/04/2012 15:31	0.81	0.41
110	11/04/2012 15:34	12/04/2012 09:45	7.40	0.41
111	12/04/2012 11:06	12/04/2012 13:07	0.82	0.41
112	12/04/2012 13:35	12/04/2012 15:36	0.82	0.41
113	12/04/2012 15:52	12/04/2012 17:53	0.82	0.41
114	12/04/2012 18:08	13/04/2012 08:30	5.84	0.41
115	13/04/2012 08:45	13/04/2012 10:45	0.81	0.41
116	13/04/2012 10:57	13/04/2012 12:57	0.81	0.41
117	13/04/2012 13:10	13/04/2012 15:10	0.81	0.41
118	13/04/2012 15:24	13/04/2012 17:27	0.83	0.41

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119	13/04/2012 17:40	16/04/2012 08:39	25.59	0.41
120	16/04/2012 08:50	17/04/2012 15:26	12.41	0.41
121	17/04/2012 15:45	20/04/2012 10:10	26.90	0.40
122	20/04/2012 10:23	20/04/2012 10:24	0.01	0.38
123	20/04/2012 10:27	20/04/2012 10:37	0.07	0.39
124	20/04/2012 10:40	20/04/2012 10:41	0.01	0.39
125	20/04/2012 10:45	24/04/2012 11:20	39.04	0.40
126	24/04/2012 11:41	24/04/2012 13:39	0.80	0.40
127	24/04/2012 13:42	27/04/2012 11:00	28.03	0.40
128	27/04/2012 11:06	03/05/2012 11:36	58.37	0.40
129	03/05/2012 11:56	03/05/2012 13:20	0.55	0.40
130	03/05/2012 13:27	04/05/2012 10:15	8.38	0.40
131	04/05/2012 10:24	07/05/2012 13:22	30.16	0.40
132	07/05/2012 13:35	07/05/2012 17:30	1.57	0.40
133	07/05/2012 17:53	07/05/2012 18:50	0.38	0.40
134	07/05/2012 18:53	08/05/2012 10:58	6.46	0.40
135	08/05/2012 11:26	08/05/2012 12:46	0.54	0.40
136	08/05/2012 12:50	08/05/2012 17:00	1.67	0.40
137	08/05/2012 17:19	08/05/2012 18:25	0.44	0.40
138	08/05/2012 18:47	09/05/2012 10:51	6.47	0.40
139	09/05/2012 10:53	09/05/2012 12:02	0.46	0.40
140	09/05/2012 12:07	10/05/2012 14:36	10.62	0.40
141	10/05/2012 14:41	10/05/2012 16:12	0.60	0.40
142	10/05/2012 16:15	11/05/2012 14:19	8.86	0.40
143	11/05/2012 14:46	14/05/2012 15:41	29.25	0.40
144	14/05/2012 15:51	14/05/2012 16:15	0.16	0.40
145	14/05/2012 16:19	21/05/2012 12:34	65.65	0.40
146	21/05/2012 12:37	21/05/2012 15:36	1.20	0.40
147*	21/05/2012 16:11	21/05/2012 18:34	0.96	0.40
148	21/05/2012 19:39	23/05/2012 16:53	18.15	0.40
149	23/05/2012 17:14	25/05/2012 11:55	17.18	0.40
150	25/05/2012 11:57	29/05/2012 10:35	38.04	0.40
151	29/05/2012 10:38	29/05/2012 13:27	1.13	0.40
152	29/05/2012 13:34	29/05/2012 14:32	0.39	0.40
153	29/05/2012 14:35	31/05/2012 08:20	16.77	0.40
154	31/05/2012 08:23	04/06/2012 10:18	40.48	0.41
155	04/06/2012 10:31	04/06/2012 11:05	0.19	0.33
156	04/06/2012 11:08	04/06/2012 13:43	2.87	0.40

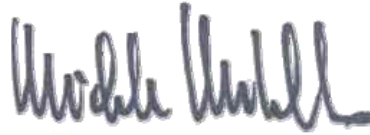
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157	04/06/2012 13:48	04/06/2012 15:27	1.14	0.33
158	04/06/2012 17:08	05/06/2012 08:58	6.04	0.40
159	05/06/2012 09:12	05/06/2012 11:04	0.41	0.40
160	05/06/2012 11:23	05/06/2012 13:45	0.54	0.33
161	05/06/2012 13:47	05/06/2012 17:24	1.04	0.29
162	05/06/2012 17:30	06/06/2012 08:45	3.83	0.25
163	06/06/2012 09:00	06/06/2012 10:06	0.24	0.22
164	06/06/2012 10:09	06/06/2012 11:12	0.24	0.23
165	06/06/2012 11:34	06/06/2012 14:16	0.59	0.22
166	06/06/2012 14:26	07/06/2012 08:44	3.73	0.21
167	07/06/2012 09:01	07/06/2012 11:04	0.78	0.38
168	07/06/2012 11:28	07/06/2012 16:33	1.93	0.38
169	07/06/2012 16:43	07/06/2012 18:23	0.70	0.42
170	07/06/2012 18:29	08/06/2012 11:03	6.40	0.39
171	08/06/2012 11:16	08/06/2012 13:01	0.67	0.38
172	08/06/2012 13:23	08/06/2012 17:54	1.72	0.38
173	08/06/2012 17:59	11/06/2012 08:54	27.18	0.43
174	11/06/2012 09:10	11/06/2012 11:09	0.80	0.40
175	11/06/2012 11:31	11/06/2012 13:21	0.73	0.40
176	11/06/2012 13:24	11/06/2012 14:21	0.38	0.40
177	11/06/2012 14:30	11/06/2012 14:55	0.15	0.37
178	11/06/2012 14:58	12/06/2012 08:45	6.70	0.38
179	12/06/2012 08:49	12/06/2012 09:30	0.25	0.37
180	12/06/2012 09:32	12/06/2012 11:11	0.62	0.38
181	12/06/2012 11:13	12/06/2012 11:53	0.25	0.37
182	12/06/2012 11:55	12/06/2012 13:50	0.72	0.38
183	12/06/2012 13:53	12/06/2012 14:51	0.37	0.38
184	12/06/2012 14:54	12/06/2012 16:40	0.67	0.38
185	12/06/2012 16:43	12/06/2012 17:32	0.32	0.39
186	12/06/2012 17:37	13/06/2012 13:55	8.06	0.40
187	13/06/2012 14:28	14/06/2012 10:15	7.89	0.40
188	14/06/2012 10:23	14/06/2012 11:20	0.38	0.40
189	14/06/2012 11:38	15/06/2012 09:55	8.89	0.40
190	15/06/2012 10:03	15/06/2012 10:53	0.33	0.40
191	15/06/2012 11:06	18/06/2012 09:24	28.04	0.40

Note: The uncertainty budgets (according to TEC-QEC/PR001 section 12) are: 4.2 % ($k=2$) for absorbed dose to water and 4.4% ($k=2$) for absorbed dose rate to water

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Notes: * Runs 67 & 147 without dosimetry. Dose rate taken from previous run with dosimetry.
Runs 13,31,49 & 68 – no dosimetry – devices out for measurements



Bob Nickson/Michele Muschitiello
(TEC-QEC Radiation Test Engineer)



Ali Zadeh
(TEC-QEC Section Head)

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RADIATION TEST SUMMARY

 Irradiation Test Report Number : **20139b**

 Date : **18 June 2012**

Test Requester :	Name	Alter Technology
	Address	Avd. Tomas Alba Edison, 4 41092 Seville (SPAIN)
	Personnel present :	E Munoz Plaza, J Jimenez Carreira, E Bernabeu Torres
	Project/Cost Code :	TRP
	Devices/Components irradiated :	Linear Devices AD565AT,OP470,AD584,PM139X,REF02,OP27,UC1843
	Device/Component details :	AD565AT,OP470,OP27,AD565AT,OLH249,OLH449 66183-105,AD565AT,PM139X,PM139X,SOC5551,UC1846

(conditions and identification)

Dosimetry Chain used :	A
Dosimeter :	Farmer model 2680 – s/n 390
Gas Ionisation Chamber :	NE Type 2571 – s/n 2915
Measured Dosimetry :	Total Ionising Dose in [Gy] (water)

Dosimetry Procedure :	ESCC 22900 section 4.1.1 TEC-QEC/PR001 - Appendix D <i>(Total Ionising Dose accredited by RvA according to ISO/IEC 17025.2005 Certificate No. L517)</i>
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(With the exception of the above specified dosimetry equipment, ESTEC ⁶⁰Co Facility does not assume any liability for the calibration status of any other equipment lent to the requester)

Irradiation Test Campaign Details

Source Activity : 76.7 TBq

on date : 4 June 2012

	units	Min.	Max.	Time-weighted Average	Dosimeter position relative to ⁶⁰ Co source		
Temperature	°C	25.00	25.60	25.43			
Pressure	mbar	996.40	1019.10	1008.25	Y	cm	231
Relative Humidity	%	31.20	40.50	35.64	Z	cm	0

Run	Start Date & Time (CET)	End Date & Time (CET)	Total Ionising Dose [Gy] (water)	Dose Rate [mGy/h] (water)
1	04/06/2012 17:08	05/06/2012 08:58	63.56	4.02
2	05/06/2012 09:12	05/06/2012 11:04		
3	05/06/2012 11:23	05/06/2012 13:45	9.47	4.01
4	05/06/2012 13:47	05/06/2012 17:24	14.52	4.02

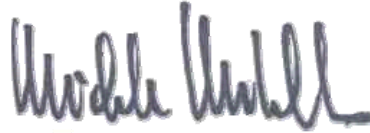
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5	05/06/2012 17:30	06/06/2012 08:45	61.25	4.02
6	06/06/2012 09:00	06/06/2012 10:06		
7	06/06/2012 10:09	06/06/2012 11:12		
8	06/06/2012 11:34	06/06/2012 14:16	9.51	3.52
9	06/06/2012 14:26	07/06/2012 08:44	71.58	3.97
10	07/06/2012 09:01	07/06/2012 11:04		
11	07/06/2012 11:28	07/06/2012 16:33	18.63	3.67
12	07/06/2012 16:43	07/06/2012 18:23	6.15	3.68
13	07/06/2012 18:29	08/06/2012 11:03	59.00	3.56
14	08/06/2012 11:16	08/06/2012 13:01		
15	08/06/2012 13:23	08/06/2012 17:54	13.66	3.02
16	08/06/2012 17:59	11/06/2012 08:54	212.74	3.38
17	11/06/2012 09:10	11/06/2012 11:09		
18	11/06/2012 11:31	11/06/2012 13:21	6.15	3.35
19	11/06/2012 13:24	11/06/2012 14:21	3.42	3.63
20	11/06/2012 14:30	11/06/2012 14:55	1.35	3.29
21	11/06/2012 14:58	12/06/2012 08:45	64.80	3.64
22	12/06/2012 08:49	12/06/2012 09:30	2.27	3.35
23	12/06/2012 09:32	12/06/2012 11:11	5.96	3.64
24	12/06/2012 11:13	12/06/2012 11:53	2.12	3.24
25	12/06/2012 11:55	12/06/2012 13:50	6.95	3.64
26	12/06/2012 13:53	12/06/2012 14:51	3.23	3.33
27	12/06/2012 14:54	12/06/2012 16:40	6.40	3.64
28	12/06/2012 16:43	12/06/2012 17:32	2.74	3.34
29	12/06/2012 17:37	13/06/2012 13:55	73.87	3.64
30	13/06/2012 14:28	14/06/2012 10:15	72.86	3.68
31	14/06/2012 10:23	14/06/2012 11:20	3.48	3.66
32	14/06/2012 11:38	15/06/2012 09:55	81.99	3.68
33	15/06/2012 10:03	15/06/2012 10:53	3.07	3.66
34	15/06/2012 11:06	18/06/2012 09:24	259.13	3.69

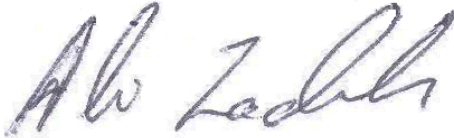
Note: The uncertainty budgets (according to TEC-QEC/PR001 section 12) are: 4.2 % (k=2) for absorbed dose to water and 4.4% (k=2) for absorbed dose rate to water

Notes: Runs 2,6,7,10,14 & 17 – no dosimetry – devices out for measurements

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