

# LMX1906-SP Total Ionizing Dose (TID) Radiation Report

---



## ABSTRACT

LMX1906-SP (5962R2320201PXE) wafer lot 2013693 was put through radiation lot acceptance testing (RLAT) and passed at 100 krad(Si). The wafer fab process used by this product was previously shown not to exhibit Enhanced Low Dose Rate Sensitivity (ELDRS) and is ELDRS-free.

---

## Table of Contents

1 Overview.....	2
2 Test Method.....	2
3 Results.....	3
4 References.....	4
A RLAT Data and Plots.....	5

## Trademarks

All trademarks are the property of their respective owners.

## 1 Overview

The LMX1906-SP (5962R2320201PXE)<sup>(1)</sup> uses the BC13 wafer fab process which has been shown not to exhibit Enhanced Low Dose Rate Sensitivity (ELDRS)<sup>(2)</sup>. Per MIL-STD-883 Test Method 1019<sup>(3)</sup>, if a BiCMOS product is on a process that is shown to be ELDRS-free, Total Ionizing Dose (TID) Radiation Lot Acceptance Testing (RLAT) can be performed at high dose rate (HDR). In the case of BC13, HDR testing is the worst-case condition and covers low dose rate (LDR) applications.

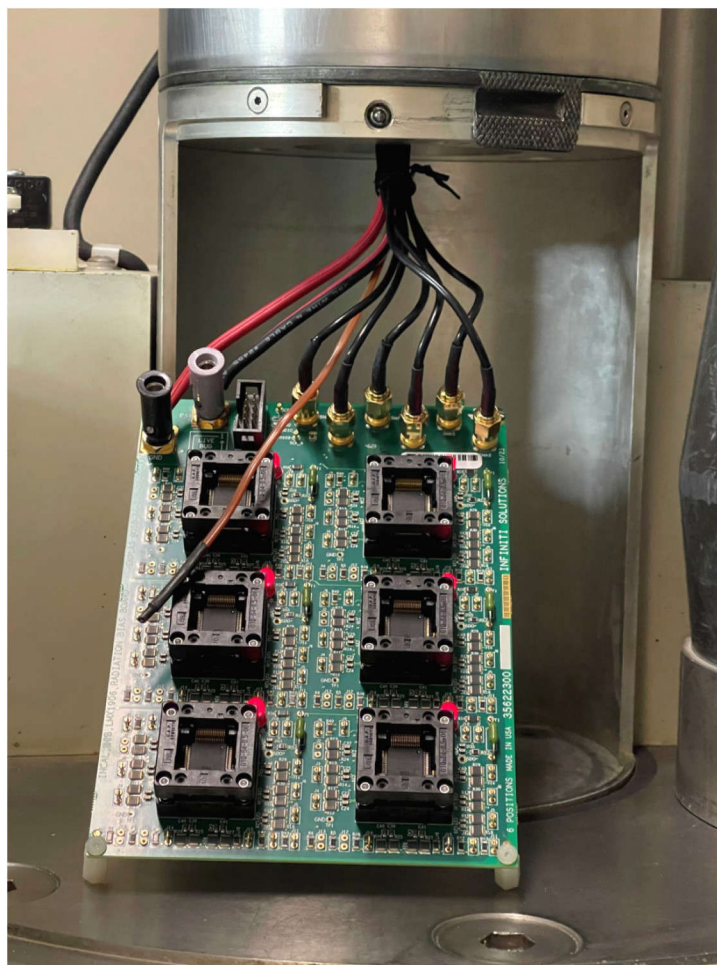
For RLAT of a wafer lot, the sample size is five units per MIL-PRF-38535<sup>(4)</sup>.

## 2 Test Method

The devices under test (DUTs) were put through a 240-hour burn-in with the units biased and operational at 125°C ambient prior to the radiation testing.

Irradiation and electrical testing were done at Texas Instruments Radiation Test Facility in Santa Clara, California.

The DUTs were placed in socketed bias boards (as shown in [Figure 2-1](#)), powered up, irradiated and electrically tested at 0, 30, 50, and 100krad (Si). All specified data sheet and SMD parameters were tested. In addition to the specified parameters, the test program tests many other parameters to verify the proper operation of the device. Limits are set using a six sigma baseline.



**Figure 2-1. LMX1906-SP TID Bias Board**

**Table 2-1. RLAT Conditions**

Wafer lot	2013693
Number samples tested	6
DUT serial numbers	163-168
Test location	Texas Instruments, Santa Clara, CA
Bias board schematic	356SCH23
Bias board edge number	6647792
Supply voltage	2.5V
Supply current	1.4A per unit
Input frequency	800MHz
Output frequency	3200MHz
Test programs	GQR1906AA
Electrical test supply voltage	2.5V
Dose Rate	23.8rad/s
Test points	0, 30, 50, 100krad (Si)
Test dates	Dec. 11, 2023

### 3 Results

All units passed at every radiation test point. No significant parametric drift was detected.

The test program has 1194 tests. Many of the tests are functional tests to verify the proper operation of the devices. [Appendix A](#) shows the test results of all parametric data sheet and SMD tests.

## 4 References

1. Texas Instruments, [LMX1906-SP Space Grade Low-Noise, High-Frequency JESD204B/C Buffer, Multiplier and Divider](#), data sheet.
2. Texas Instruments, [LMX2615-SP Enhanced Low Dose Rate Sensitivity \(ELDRS\) Characterization Radiation Report](#), radiation report.
3. Department of Defense, DLA Land and Maritime, [Test Method Standard, Microcircuits, MIL-STD-883](#), webpage.
4. Department of Defense, DLA Land and Maritime, [Performance Specification, Integrated Circuits \(Microcircuits\) Manufacturing, MIL-PRF-38535](#), webpage.

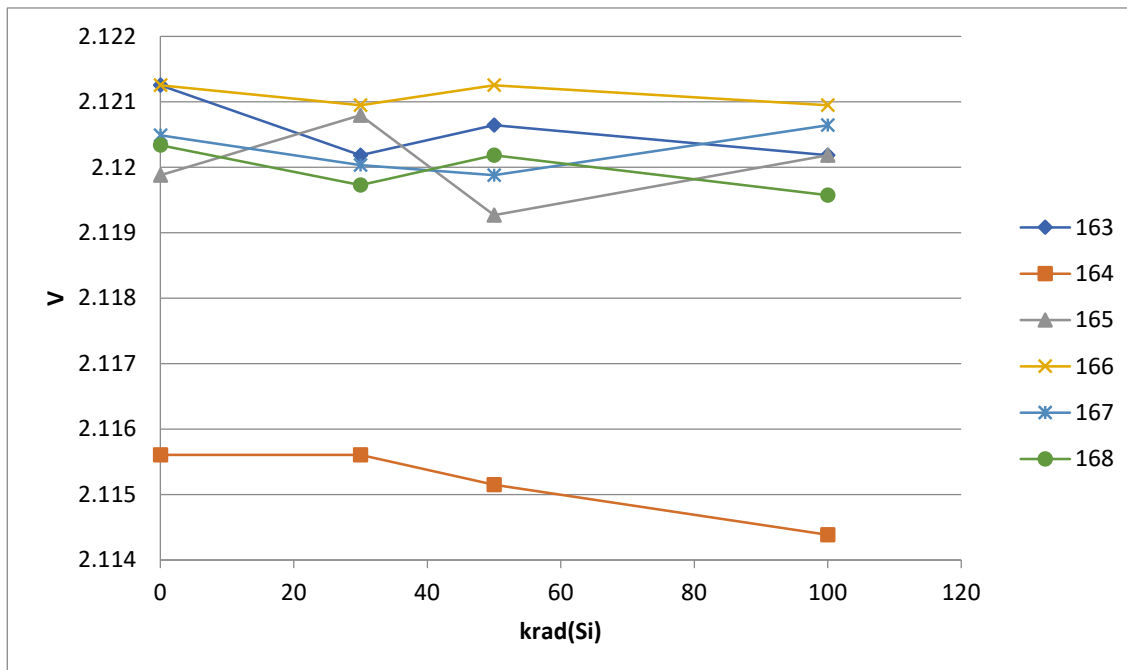
## **A RLAT Data and Plots**

100703 VOH/SDO/2.500/SPI\_LEVEL////-5MA//OEGK02\_3/

Limit\_Min 1.96000004 Limit\_Max 2.24600005 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	2.12125301	2.12018466	2.12064242	2.12018466
164	2.11560607	2.11560607	2.11514831	2.11438513
165	2.11987948	2.12079525	2.11926889	2.12018466
166	2.12125301	2.12094784	2.12125301	2.12094784
167	2.12048984	2.12003207	2.11987948	2.12064242
168	2.12033725	2.1197269	2.12018466	2.11957407
<b>Average</b>	2.11980311	2.1195488	2.11939613	2.1193198
<b>MAX</b>	2.12125301	2.12094784	2.12125301	2.12094784
<b>MIN</b>	2.11560607	2.11560607	2.11514831	2.11438513
<b>STD_dev</b>	0.0021252	0.00198624	0.00218709	0.00246217

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0010684	-0.0006106	-0.0010684
164		0	-0.0004578	-0.0012209
165		0.00091577	-0.0006106	0.00030518
166		-0.0003052	0	-0.0003052
167		-0.0004578	-0.0006104	0.00015259
168		-0.0006104	-0.0001526	-0.0007632
<b>Average</b>		-0.0002543	-0.000407	-0.0004833
<b>MAX</b>		0.00091577	0	0.00030518
<b>MIN</b>		-0.0010684	-0.0006106	-0.0012209
<b>STD_dev</b>		0.00067337	0.00026728	0.000636

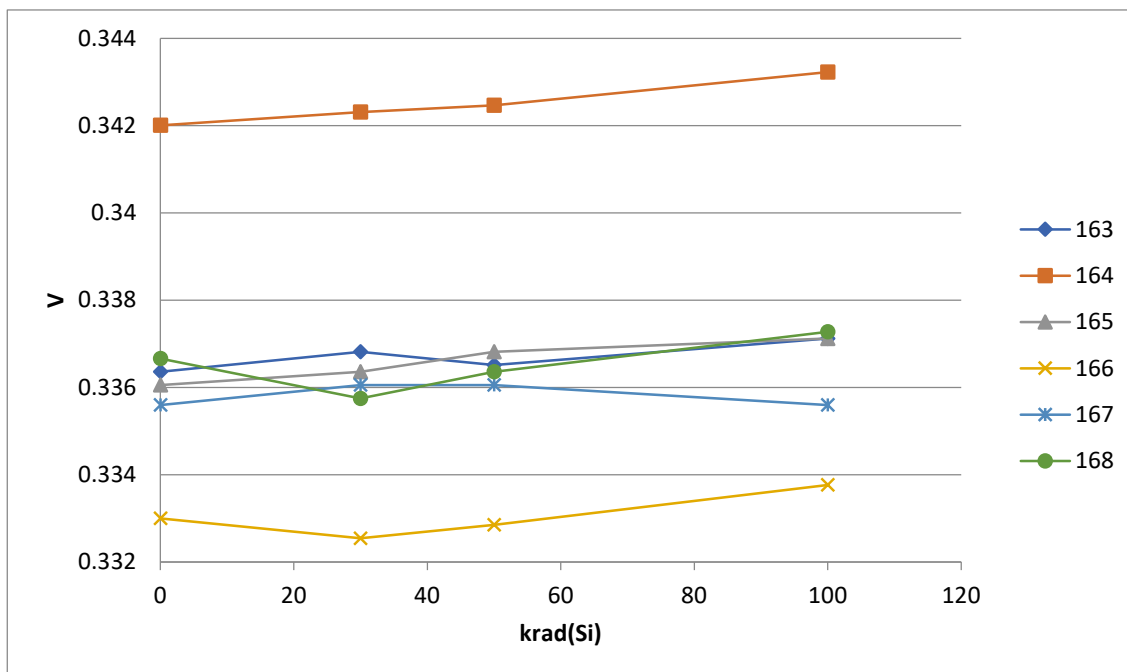


100704 VOL/SDO/2.500/SPI\_LEVEL////5MA//OE8DVQ\_3/

Limit\_Min 0.19600001 Limit\_Max 0.40799999 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.33635974	0.33681759	0.33651236	0.33712283
164	0.34200668	0.34231192	0.34246454	0.34322763
165	0.33605447	0.33635974	0.33681759	0.33712283
166	0.33300209	0.33254421	0.33284947	0.33376518
167	0.33559662	0.33605447	0.33605447	0.33559662
168	0.33666498	0.33574924	0.33635974	0.33727545
<b>Average</b>	0.3366141	0.33663953	0.33684303	0.33735175
<b>MAX</b>	0.34200668	0.34231192	0.34246454	0.34322763
<b>MIN</b>	0.33300209	0.33254421	0.33284947	0.33376518
<b>STD_dev</b>	0.00295101	0.00316836	0.00311497	0.00318058

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00045785	0.00015262	0.00076309
164		0.00030524	0.00045785	0.00122094
165		0.00030526	0.00076312	0.00106835
166		-0.0004579	-0.0001526	0.00076309
167		0.00045785	0.00045785	0
168		-0.0009157	-0.0003052	0.00061047
<b>Average</b>		2.5432E-05	0.00022893	0.00073766
<b>MAX</b>		0.00045785	0.00076312	0.00122094
<b>MIN</b>		-0.0009157	-0.0003052	0
<b>STD_dev</b>		0.00057445	0.00040667	0.00042533

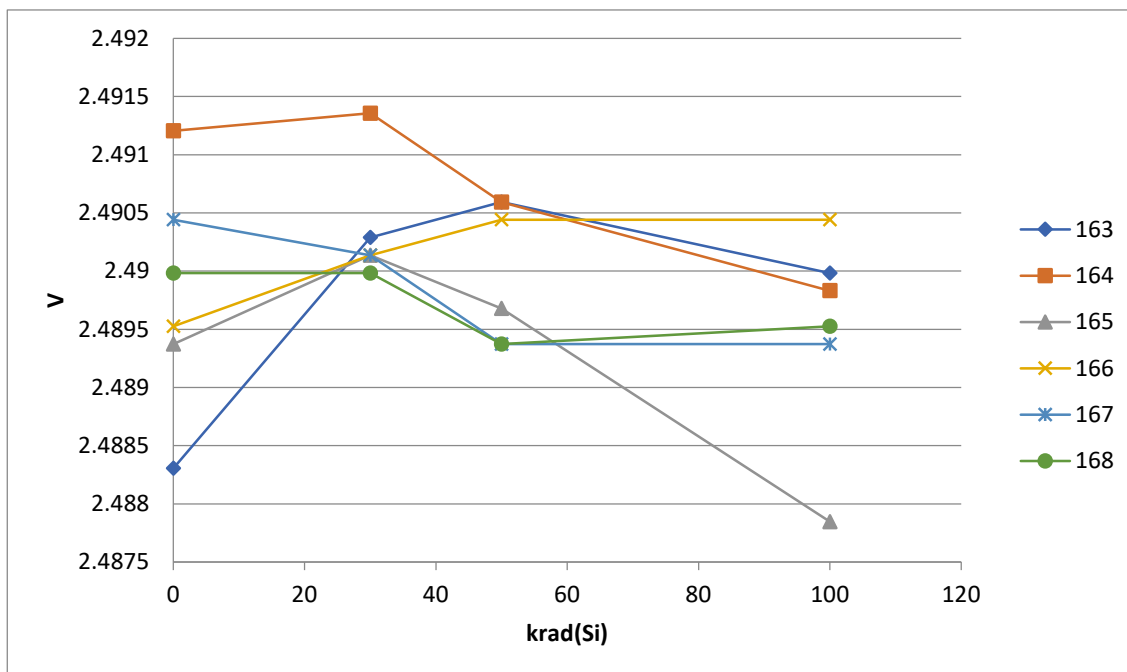


100705 VOH/SDO/2.500/SPI\_LEVEL////-0.1MA//OEGK02\_3/

Limit\_Min 2.25399995 Limit\_Max 2.56019998 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	2.48830462	2.49028873	2.49059391	2.48998332
164	2.49120426	2.49135709	2.49059391	2.48983073
165	2.48937297	2.49013591	2.48967814	2.48784661
166	2.48952556	2.49013591	2.49044132	2.49044132
167	2.49044132	2.49013591	2.48937297	2.48937297
168	2.48998332	2.48998332	2.48937297	2.48952556
<b>Average</b>	2.48980534	2.49033948	2.49000887	2.48950009
<b>MAX</b>	2.49120426	2.49135709	2.49059391	2.49044132
<b>MIN</b>	2.48830462	2.48998332	2.48937297	2.48784661
<b>STD_dev</b>	0.00099101	0.00050779	0.00059828	0.00089214

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00198412	0.00228929	0.0016787
164		0.00015283	-0.0006104	-0.0013735
165		0.00076294	0.00030517	-0.0015264
166		0.00061035	0.00091577	0.00091577
167		-0.0003054	-0.0010684	-0.0010684
168		0	-0.0006104	-0.0004578
<b>Average</b>		0.00053414	0.00020353	-0.0003053
<b>MAX</b>		0.00198412	0.00228929	0.0016787
<b>MIN</b>		-0.0003054	-0.0010684	-0.0015264
<b>STD_dev</b>		0.00081193	0.00124984	0.00131642



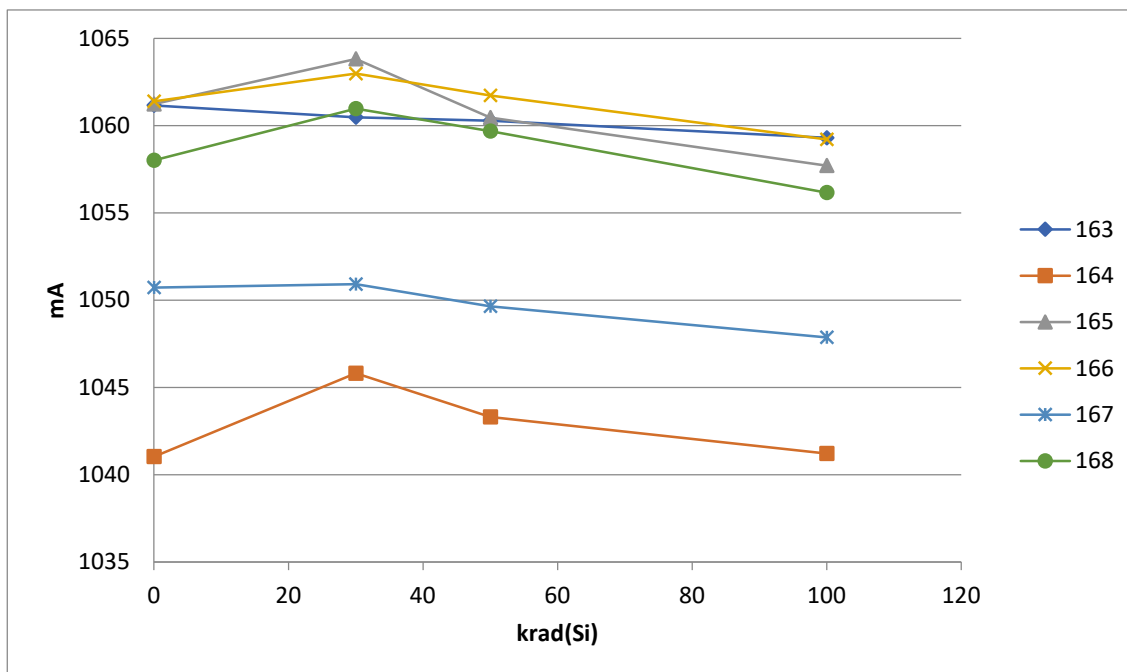


101004 ICCORE\_TOTAL/VCC\_PINS/2.600/ICC//ALL\_CLKON\_SYSREFON\_LOGICON////OEI91P\_1/

Limit\_Min 833.000004 Limit\_Max 1224.0001 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	1061.15772	1060.48633	1060.28027	1059.30371
164	1041.03125	1045.81482	1043.31238	1041.20667
165	1061.22632	1063.82031	1060.46338	1057.70923
166	1061.3866	1062.98499	1061.72229	1059.21216
167	1050.72815	1050.91895	1049.65247	1047.86719
168	1058.0144	1060.97461	1059.68518	1056.1604
<b>Average</b>	1055.59074	1057.5	1055.85266	1053.57656
<b>MAX</b>	1061.3866	1063.82031	1061.72229	1059.30371
<b>MIN</b>	1041.03125	1045.81482	1043.31238	1041.20667
<b>STD_dev</b>	8.21998292	7.36038341	7.55915787	7.40171111

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.671387	-0.877442	-1.854004
164		4.783569	2.281128	0.175415
165		2.593995	-0.762939	-3.517089
166		1.598388	0.335693	-2.174439
167		0.190796	-1.075683	-2.860961
168		2.960205	1.670777	-1.854004
<b>Average</b>		1.909261	0.26192233	-2.0141803
<b>MAX</b>		4.783569	2.281128	0.175415
<b>MIN</b>		-0.671387	-1.075683	-3.517089
<b>STD_dev</b>		1.97709375	1.42864866	1.25276458

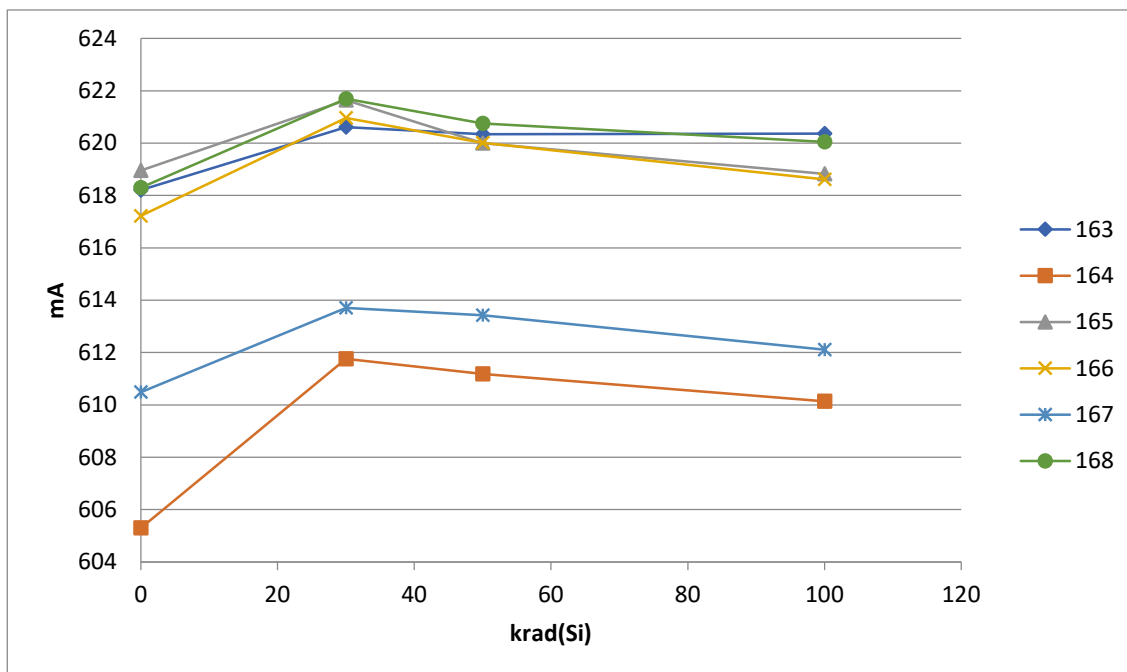


101009 ICCORE\_TOTAL/VCC\_PINS/2.600/ICC//ALL\_CLKON\_SYSREFOFF\_LOGICON////OEJFVL\_1/

Limit\_Min 440.999985 Limit\_Max 764.999986 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	618.206909	620.610169	620.33551	620.366028
164	605.297852	611.76001	611.180176	610.134949
165	618.95459	621.640198	619.999817	618.82489
166	617.222717	620.961121	620.015076	618.611267
167	610.485901	613.705566	613.423279	612.110962
168	618.298462	621.693604	620.747498	620.045593
<b>Average</b>	614.744405	618.395111	617.616893	616.682281
<b>MAX</b>	618.95459	621.693604	620.747498	620.366028
<b>MIN</b>	605.297852	611.76001	611.180176	610.134949
<b>STD_dev</b>	5.58319213	4.44787416	4.18661916	4.40359262

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		2.4032593	2.1286011	2.1591186
164		6.4621582	5.8823242	4.8370971
165		2.685608	1.0452271	-0.1296997
166		3.7384033	2.7923584	1.3885498
167		3.2196655	2.9373779	1.625061
168		3.3951416	2.4490357	1.7471314
<b>Average</b>		3.65070598	2.8724874	1.93787637
<b>MAX</b>		6.4621582	5.8823242	4.8370971
<b>MIN</b>		2.4032593	1.0452271	-0.1296997
<b>STD_dev</b>		1.45949312	1.62119137	1.62267043

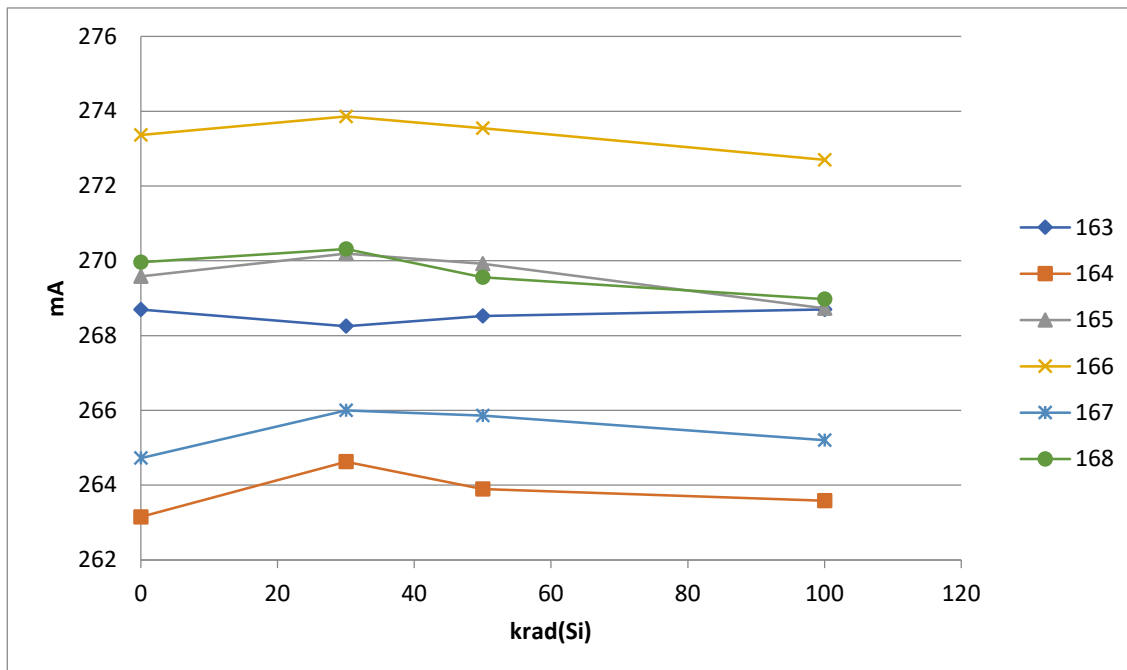


101014 ICCORE\_TOTAL/VCC\_PINS/2.600/ICC//ALL\_CLKOFF\_SYSREF\_OFF////OEQH59\_1/

Limit\_Min 196.00001 Limit\_Max 356.99993 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	268.695984	268.249664	268.522034	268.699799
164	263.153168	264.626404	263.897064	263.587311
165	269.584015	270.192108	269.923554	268.72879
166	273.362915	273.859589	273.541443	272.699921
167	264.724091	265.998962	265.863922	265.207031
168	269.964752	270.314941	269.561127	268.974457
<b>Average</b>	268.247487	268.873611	268.551524	267.982885
<b>MAX</b>	273.362915	273.859589	273.541443	272.699921
<b>MIN</b>	263.153168	264.626404	263.897064	263.587311
<b>STD_dev</b>	3.72747826	3.3276876	3.36716863	3.20407293

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.4463196	-0.1739502	0.0038147
164		1.4732361	0.7438965	0.4341431
165		0.6080933	0.3395386	-0.8552246
166		0.4966736	0.1785279	-0.6629943
167		1.2748718	1.1398315	0.4829407
168		0.3501892	-0.4036255	-0.9902954
<b>Average</b>		0.62612407	0.30403647	-0.2646026
<b>MAX</b>		1.4732361	1.1398315	0.4829407
<b>MIN</b>		-0.4463196	-0.4036255	-0.9902954
<b>STD_dev</b>		0.69019279	0.57241588	0.6562461

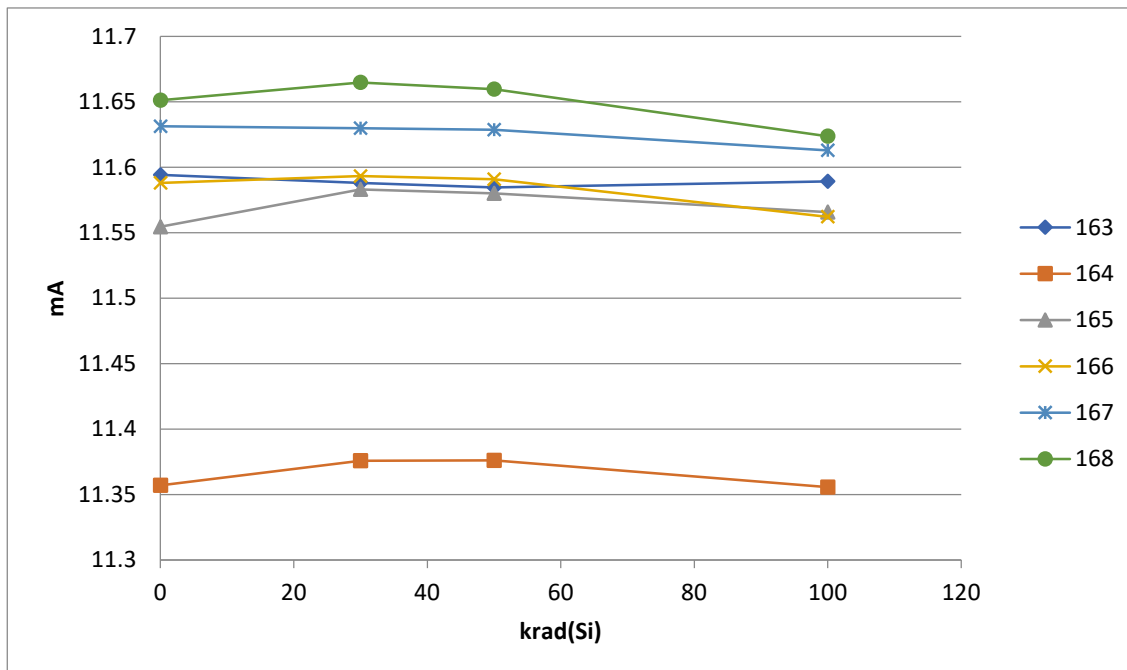


101019 ICCORE\_TOTAL/VCC\_PINS/2.600/ICC//POWER\_DOWN/POWERDOWN=1///OERS8M\_1/

Limit\_Min 6.86000008 Limit\_Max 15.3000001 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	11.5942202	11.5879564	11.5846148	11.5891695
164	11.3570499	11.3757734	11.3761244	11.35567
165	11.5545845	11.5830803	11.5799913	11.5658083
166	11.5880776	11.5933123	11.590848	11.56213
167	11.6313448	11.6298952	11.6286974	11.6129046
168	11.651166	11.6647692	11.6596422	11.6236849
<b>Average</b>	11.5627405	11.5724645	11.5699863	11.5515612
<b>MAX</b>	11.651166	11.6647692	11.6596422	11.6236849
<b>MIN</b>	11.3570499	11.3757734	11.3761244	11.35567
<b>STD_dev</b>	0.10633313	0.10128488	0.09981676	0.09906287

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0062637	-0.0096054	-0.0050507
164		0.01872349	0.01907444	-0.00138
165		0.02849579	0.02540684	0.0112238
166		0.00523471	0.00277042	-0.0259476
167		-0.0014496	-0.0026474	-0.0184403
168		0.01360321	0.00847626	-0.0274811
<b>Average</b>		0.00972398	0.00724586	-0.0111793
<b>MAX</b>		0.02849579	0.02540684	0.0112238
<b>MIN</b>		-0.0062637	-0.0096054	-0.0274811
<b>STD_dev</b>		0.01303096	0.01321455	0.0153105

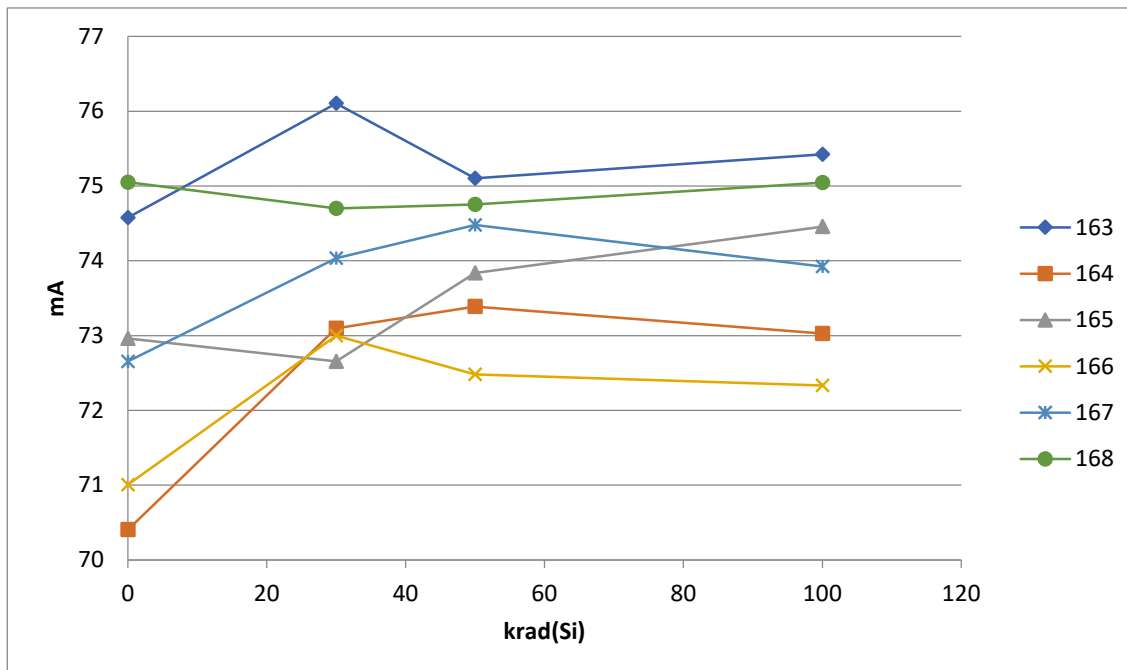


101069 ICCADD\_TOTAL/VCC\_PINS/2.600/ICC//PER\_CHANNEL\_CLK\_CURRENT////OE8KO7\_1/

Limit\_Min 53.8999997 Limit\_Max 86.6999999 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	74.5778961	76.1037903	75.104332	75.4247665
164	70.4045868	73.097786	73.3877029	73.0291214
165	72.9604569	72.6552734	73.8378449	74.4558258
166	71.0073166	72.9986038	72.4797974	72.3348389
167	72.6552734	74.0362091	74.478714	73.9217682
168	75.0509262	74.6999664	74.7533798	75.0432968
<b>Average</b>	72.776076	73.9319382	74.0069618	74.0349363
<b>MAX</b>	75.0509262	76.1037903	75.104332	75.4247665
<b>MIN</b>	70.4045868	72.6552734	72.4797974	72.3348389
<b>STD_dev</b>	1.85593964	1.30495036	0.97244276	1.18662285

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		1.52589416	0.52643585	0.84687042
164		2.69319916	2.98311615	2.62453461
165		-0.3051834	0.877388	1.49536896
166		1.99128723	1.47248077	1.32752228
167		1.38093567	1.82344055	1.26649475
168		-0.3509598	-0.2975464	-0.0076294
<b>Average</b>		1.15586217	1.23088582	1.25886027
<b>MAX</b>		2.69319916	2.98311615	2.62453461
<b>MIN</b>		-0.3509598	-0.2975464	-0.0076294
<b>STD_dev</b>		1.23726217	1.13464672	0.86017524

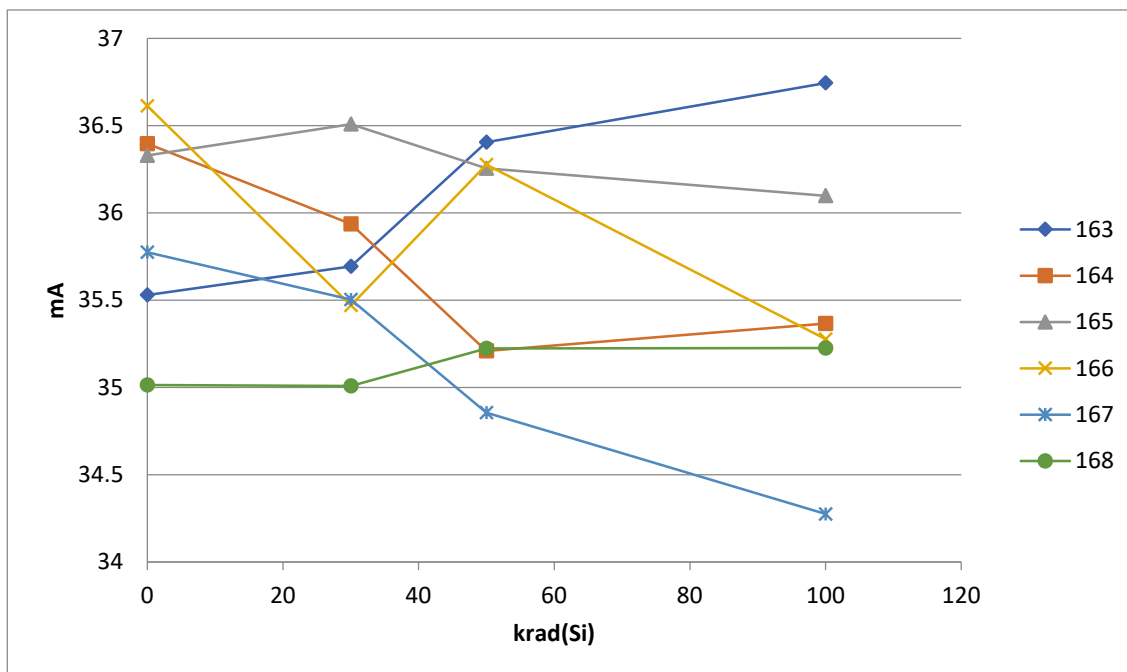


101079 ICCADD\_TOTAL/VCC\_PINS/2.600/ICC//DIVIDE\_8////OEYTM1\_1/

Limit\_Min 26.4600013 Limit\_Max 45.9000021 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	35.5295982	35.6936302	36.4054604	36.7442055
164	36.3970642	35.9362488	35.2091599	35.3670921
165	36.3291664	36.5084572	36.2559204	36.0979919
166	36.6129799	35.469326	36.2772827	35.2770653
167	35.7745018	35.5036583	34.8551521	34.2753143
168	35.0138474	35.0085068	35.2236595	35.2259483
<b>Average</b>	35.9428597	35.6866379	35.7044392	35.4979362
<b>MAX</b>	36.6129799	36.5084572	36.4054604	36.7442055
<b>MIN</b>	35.0138474	35.0085068	34.8551521	34.2753143
<b>STD_dev</b>	0.61103012	0.50563015	0.68138846	0.84237044

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.16403198	0.87586212	1.21460724
164		-0.4608154	-1.1879044	-1.0299721
165		0.17929077	-0.073246	-0.2311745
166		-1.1436539	-0.3356972	-1.3359146
167		-0.2708435	-0.9193497	-1.4991875
168		-0.0053406	0.20981217	0.21210098
<b>Average</b>		-0.2562218	-0.2384205	-0.4449234
<b>MAX</b>		0.17929077	0.87586212	1.21460724
<b>MIN</b>		-1.1436539	-1.1879044	-1.4991875
<b>STD_dev</b>		0.50176366	0.75425033	1.04680768

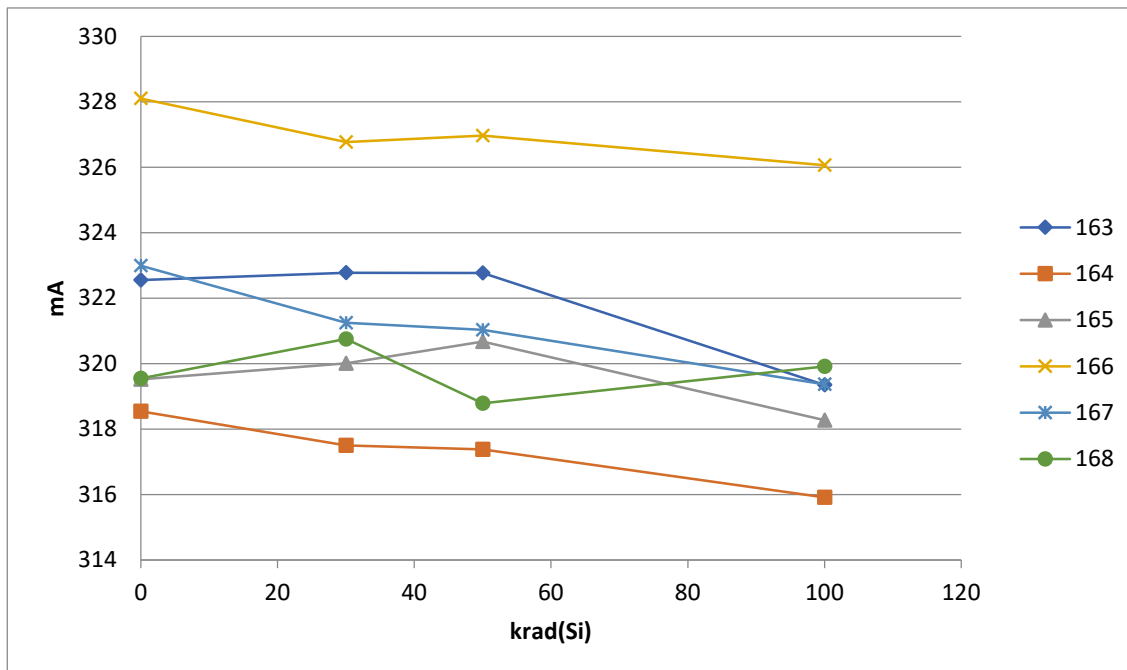


101084 ICCADD\_TOTAL/VCC\_PINS/2.600/ICC//MULTIPLIER\_X4////OEX8ZK\_1/

Limit\_Min 234.219998 Limit\_Max 370.26 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	322.557251	322.776184	322.769348	319.349823
164	318.542633	317.505768	317.380676	315.913513
165	319.51767	320.011292	320.673523	318.273315
166	328.1008	326.767181	326.96402	326.063721
167	322.992127	321.248016	321.031372	319.367371
168	319.550476	320.755158	318.787506	319.911316
<b>Average</b>	321.876826	321.5106	321.267741	319.813176
<b>MAX</b>	328.1008	326.767181	326.96402	326.063721
<b>MIN</b>	318.542633	317.505768	317.380676	315.913513
<b>STD_dev</b>	3.53663923	3.10353352	3.35774384	3.37848841

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.2189331	0.2120971	-3.207428
164		-1.0368653	-1.1619568	-2.6291199
165		0.4936218	1.1558532	-1.2443543
166		-1.3336182	-1.1367798	-2.0370789
167		-1.7441101	-1.9607544	-3.6247559
168		1.2046814	-0.76297	0.3608398
<b>Average</b>		-0.3662262	-0.6090851	-2.0636495
<b>MAX</b>		1.2046814	1.1558532	0.3608398
<b>MIN</b>		-1.7441101	-1.9607544	-3.6247559
<b>STD_dev</b>		1.16907389	1.11572099	1.4570613

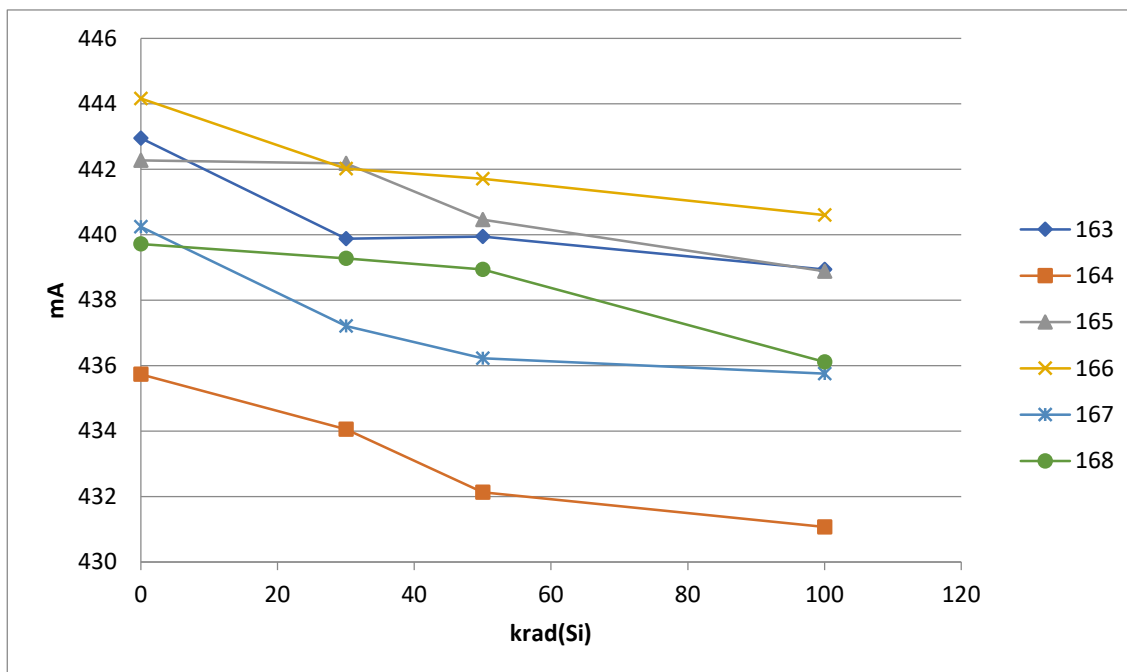


101089 ICCADD\_TOTAL/VCC\_PINS/2.600/ICC//SYSREF\_CURRENT/////OE6DGM\_1/

Limit\_Min 362.599999 Limit\_Max 550.800026 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	442.950745	439.876099	439.944763	438.937653
164	435.733307	434.05481	432.132202	431.071686
165	442.271729	442.180176	440.463562	438.884247
166	444.163849	442.023773	441.707153	440.600891
167	440.24231	437.213409	436.229218	435.756195
168	439.715881	439.280975	438.937653	436.114777
<b>Average</b>	440.846303	439.104874	438.235758	436.894241
<b>MAX</b>	444.163849	442.180176	441.707153	440.600891
<b>MIN</b>	435.733307	434.05481	432.132202	431.071686
<b>STD_dev</b>	3.00838872	3.08817232	3.51302292	3.39646202

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-3.074646	-3.0059814	-4.013092
164		-1.6784973	-3.6011048	-4.6616211
165		-0.0915527	-1.8081665	-3.3874817
166		-2.1400757	-2.4566956	-3.5629578
167		-3.0289002	-4.0130921	-4.4861145
168		-0.434906	-0.7782287	-3.6011047
<b>Average</b>		-1.7414297	-2.6105449	-3.952062
<b>MAX</b>		-0.0915527	-0.7782287	-3.3874817
<b>MIN</b>		-3.074646	-4.0130921	-4.6616211
<b>STD_dev</b>		1.26704565	1.19411733	0.5264475



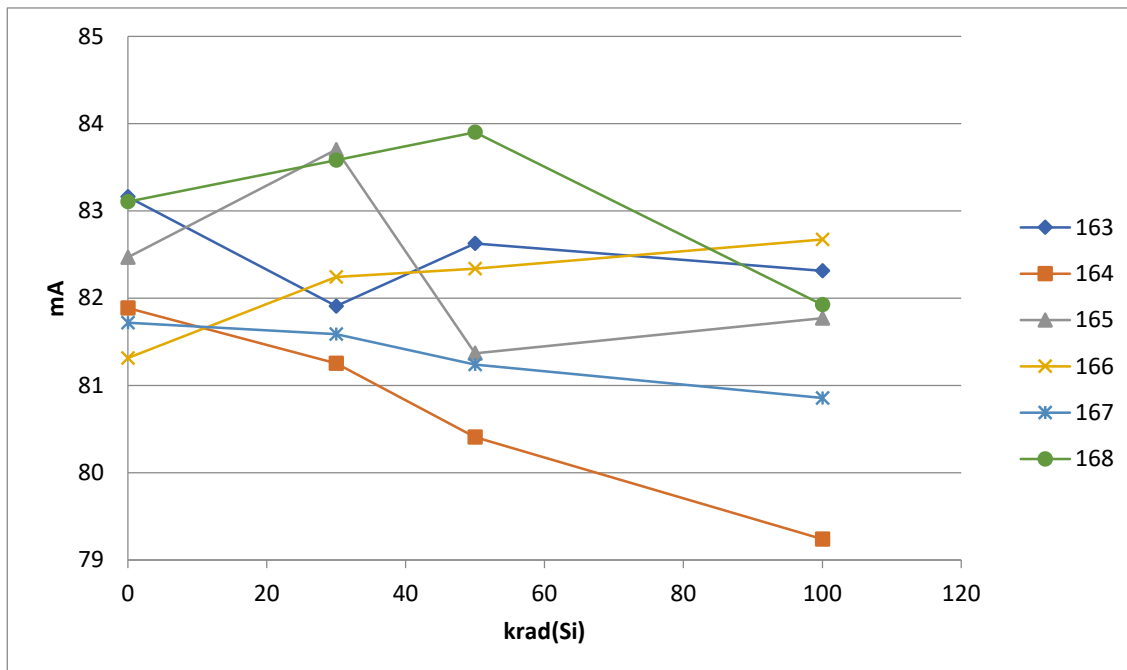


101094 ICCADD\_TOTAL/VCC\_PINS/2.600/ICC//LOGICLK\_CURRENT/////OE9OM6\_1/

Limit\_Min 69.5800036 Limit\_Max 101.999998 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	83.1610336	81.9098053	82.626976	82.3141632
164	81.8869171	81.2536697	80.4067993	79.2394943
165	82.4667511	83.7027283	81.3681107	81.7724762
166	81.3147049	82.241684	82.3370514	82.6727524
167	81.7190704	81.5893707	81.238411	80.8569412
168	83.1076279	83.580658	83.9010925	81.9250641
<b>Average</b>	82.2760175	82.3796527	81.9797401	81.4634819
<b>MAX</b>	83.1610336	83.7027283	83.9010925	82.6727524
<b>MIN</b>	81.3147049	81.2536697	80.4067993	79.2394943
<b>STD_dev</b>	0.76117274	1.03199978	1.23579796	1.2496833

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-1.2512283	-0.5340576	-0.8468704
164		-0.6332474	-1.4801178	-2.6474228
165		1.23597717	-1.0986404	-0.6942749
166		0.92697906	1.02234649	1.35804748
167		-0.1296997	-0.4806595	-0.8621292
168		0.47303009	0.79346466	-1.1825638
<b>Average</b>		0.10363515	-0.2962774	-0.8125356
<b>MAX</b>		1.23597717	1.02234649	1.35804748
<b>MIN</b>		-1.2512283	-1.4801178	-2.6474228
<b>STD_dev</b>		0.95180274	1.00619157	1.28318251

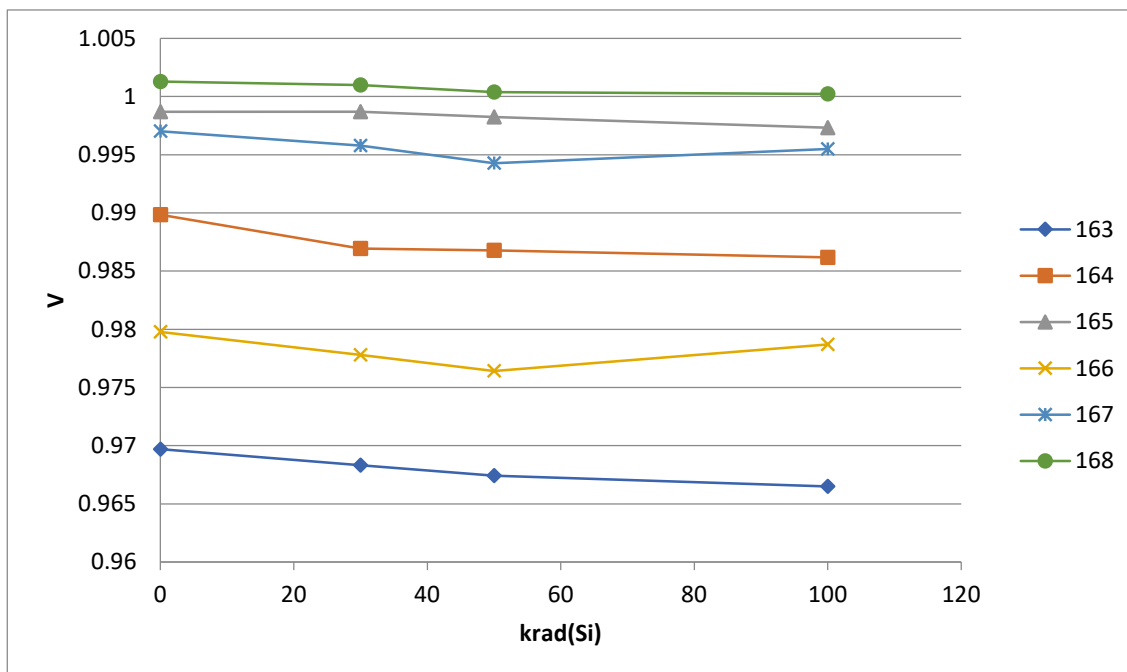


106012 VOD/SYSREFOUT0\_P/2.500/SYSREF/////OEL24Q\_1/

Limit\_Min 0.68599999 Limit\_Max 1.2240001 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.96969903	0.9683255	0.96740973	0.96649396
164	0.98984492	0.98694515	0.98679256	0.98618197
165	0.99869692	0.99869698	0.9982391	0.99732328
166	0.97977185	0.97778773	0.97641408	0.9787035
167	0.99701816	0.99579716	0.99427092	0.99549198
168	1.00129151	1.00098622	1.00037575	1.00022304
<b>Average</b>	0.98938706	0.98808979	0.98725036	0.98740296
<b>MAX</b>	1.00129151	1.00098622	1.00037575	1.00022304
<b>MIN</b>	0.96969903	0.9683255	0.96740973	0.96649396
<b>STD_dev</b>	0.0123847	0.01293293	0.013066	0.01298119

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0013735	-0.0022893	-0.0032051
164		-0.0028998	-0.0030524	-0.0036629
165		6E-08	-0.0004578	-0.0013736
166		-0.0019841	-0.0033578	-0.0010684
167		-0.001221	-0.0027472	-0.0015262
168		-0.0003053	-0.0009158	-0.0010685
<b>Average</b>		-0.0012973	-0.0021367	-0.0019841
<b>MAX</b>		6E-08	-0.0004578	-0.0010684
<b>MIN</b>		-0.0028998	-0.0033578	-0.0036629
<b>STD_dev</b>		0.00106944	0.00118615	0.00114617

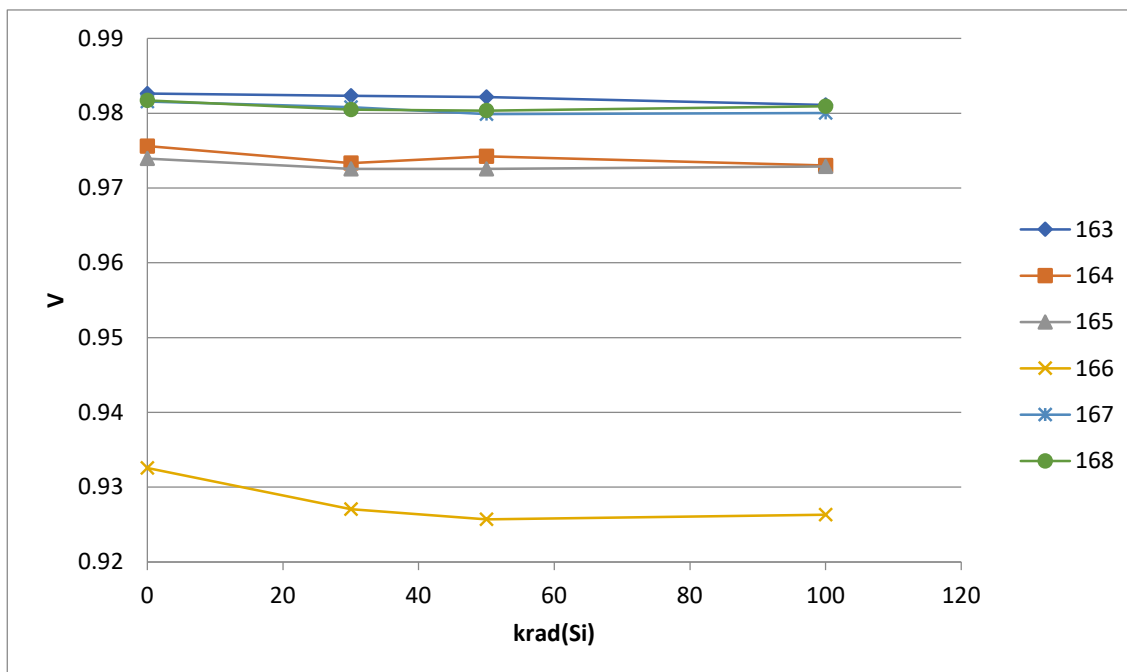


106013 VOD/SYSREFOUT1\_P/2.500/SYSREF/////OEL24Q\_1/

Limit\_Min 0.68599999 Limit\_Max 1.2240001 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.9826256	0.98232043	0.98216784	0.98109949
164	0.97560549	0.97331631	0.97423202	0.97301102
165	0.97392666	0.97255313	0.97255313	0.97285843
166	0.93256819	0.92707408	0.92570055	0.92631102
167	0.98155737	0.98079425	0.9798786	0.98003125
168	0.98170984	0.98048902	0.98033643	0.9809469
<b>Average</b>	0.97133219	0.96942454	0.96914476	0.96904302
<b>MAX</b>	0.9826256	0.98232043	0.98216784	0.98109949
<b>MIN</b>	0.93256819	0.92707408	0.92570055	0.92631102
<b>STD_dev</b>	0.01932579	0.02114943	0.02161003	0.0212797

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0003052	-0.0004578	-0.0015261
164		-0.0022892	-0.0013735	-0.0025945
165		-0.0013735	-0.0013735	-0.0010682
166		-0.0054941	-0.0068676	-0.0062572
167		-0.0007631	-0.0016788	-0.0015261
168		-0.0012208	-0.0013734	-0.0007629
<b>Average</b>		-0.0019077	-0.0021874	-0.0022892
<b>MAX</b>		-0.0003052	-0.0004578	-0.0007629
<b>MIN</b>		-0.0054941	-0.0068676	-0.0062572
<b>STD_dev</b>		0.00187847	0.00232991	0.00204073

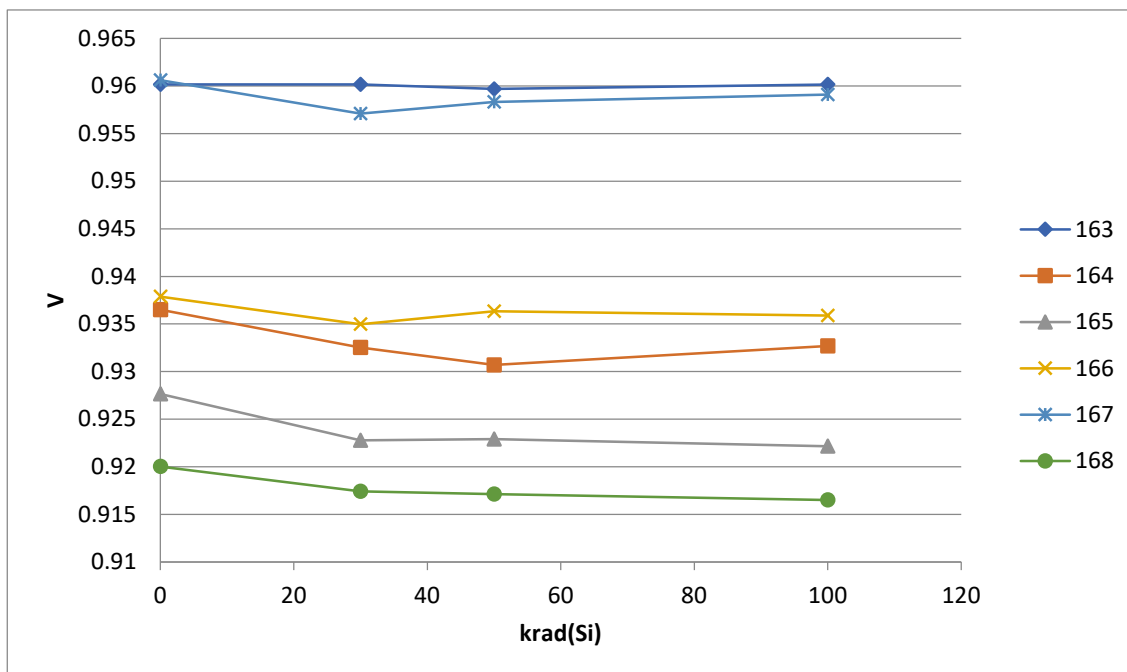


106014 VOD/SYSREFOUT2\_P/2.500/SYSREF/////OEL24Q\_1/

Limit\_Min 0.68599999 Limit\_Max 1.2240001 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.9601512	0.96015149	0.95969373	0.96015155
164	0.93650031	0.93253291	0.93070173	0.93268561
165	0.92765021	0.92276716	0.92291969	0.92215669
166	0.93787277	0.93497348	0.93634689	0.93588913
167	0.96060926	0.9570995	0.95832026	0.95908344
168	0.92002034	0.91742635	0.91712117	0.91651082
<b>Average</b>	0.94046735	0.93749181	0.93751725	0.93774621
<b>MAX</b>	0.96060926	0.96015149	0.95969373	0.96015155
<b>MIN</b>	0.92002034	0.91742635	0.91712117	0.91651082
<b>STD_dev</b>	0.01672112	0.01759712	0.01789677	0.01833199

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		2.98E-07	-0.0004575	3.57E-07
164		-0.0039674	-0.0057986	-0.0038147
165		-0.0048831	-0.0047305	-0.0054935
166		-0.0028993	-0.0015259	-0.0019836
167		-0.0035098	-0.002289	-0.0015258
168		-0.002594	-0.0028992	-0.0035095
<b>Average</b>		-0.0029755	-0.0029501	-0.0027211
<b>MAX</b>		2.98E-07	-0.0004575	3.57E-07
<b>MIN</b>		-0.0048831	-0.0057986	-0.0054935
<b>STD_dev</b>		0.00166822	0.00199825	0.00194333

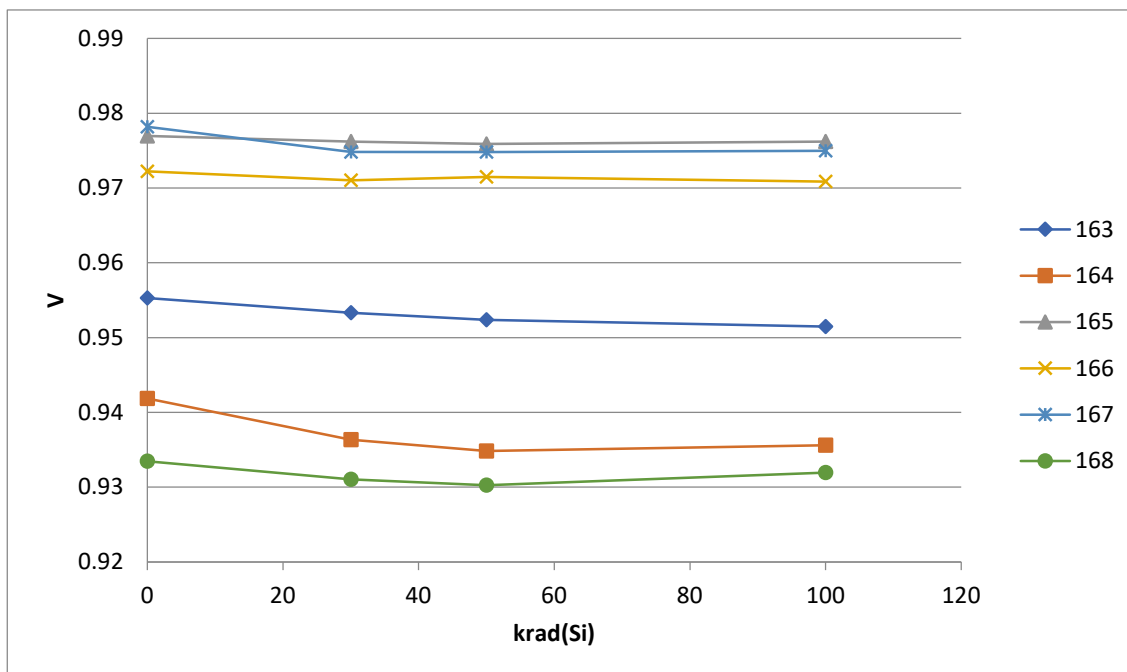


106015 VOD/SYSREFOUT3\_P/2.500/SYSREF/////OEL24Q\_1/

Limit\_Min 0.68599999 Limit\_Max 1.2240001 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.95528948	0.95330578	0.95239025	0.95147455
164	0.94186103	0.93636727	0.93484116	0.93560433
165	0.97695804	0.97619504	0.97588992	0.97619498
166	0.97222674	0.97100604	0.97146386	0.97085345
167	0.97817898	0.97482169	0.97482175	0.97497451
168	0.93346798	0.93102646	0.93026346	0.93194223
<b>Average</b>	0.95966371	0.95712038	0.95661173	0.95684067
<b>MAX</b>	0.97817898	0.97619504	0.97588992	0.97619498
<b>MIN</b>	0.93346798	0.93102646	0.93026346	0.93194223
<b>STD_dev</b>	0.01908939	0.01998062	0.0205419	0.01999747

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0019837	-0.0028992	-0.0038149
164		-0.0054938	-0.0070199	-0.0062567
165		-0.000763	-0.0010681	-0.0007631
166		-0.0012207	-0.0007629	-0.0013733
167		-0.0033573	-0.0033572	-0.0032045
168		-0.0024415	-0.0032045	-0.0015258
<b>Average</b>		-0.0025433	-0.003052	-0.002823
<b>MAX</b>		-0.000763	-0.0007629	-0.0007631
<b>MIN</b>		-0.0054938	-0.0070199	-0.0062567
<b>STD_dev</b>		0.00170939	0.00223874	0.00204683

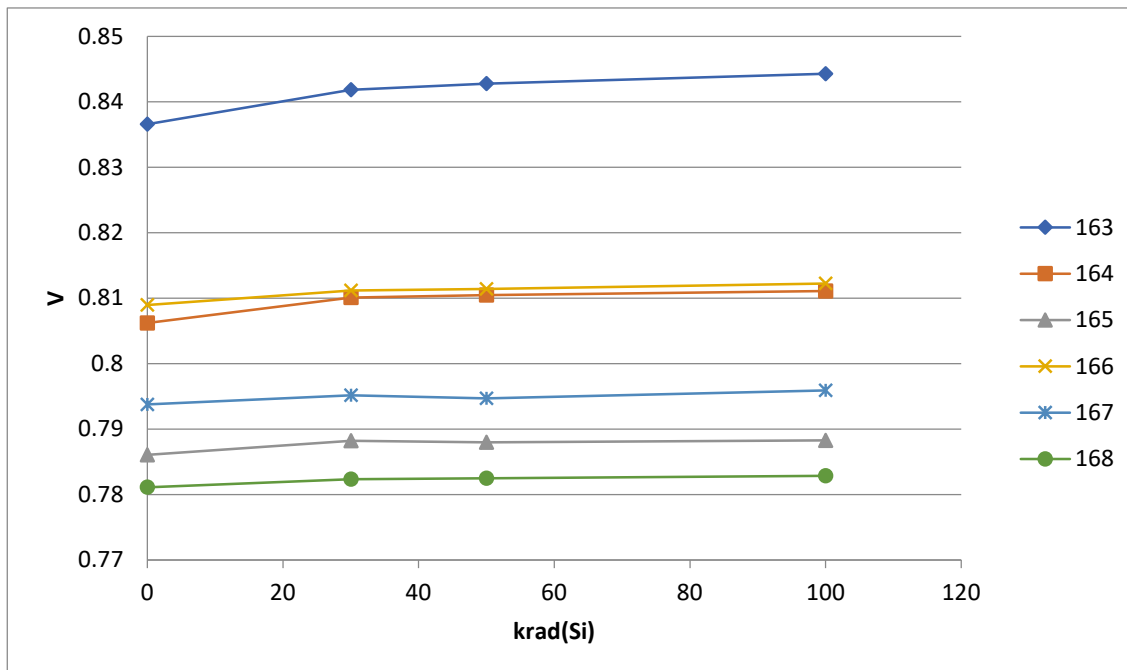


106016 VOCM/SYSREFOUT0\_P/2.500/SYSREF////////OEFE03\_1/

Limit\_Min 0.588 Limit\_Max 1.12199998 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.83658356	0.84184903	0.8427648	0.84429103
164	0.80621153	0.81010342	0.81048501	0.81109548
165	0.78606528	0.78820205	0.78797317	0.78827834
166	0.80895877	0.81117177	0.81140071	0.81224012
167	0.79377282	0.79514635	0.79468852	0.79590952
168	0.78110504	0.78232604	0.78247869	0.78286022
<b>Average</b>	0.80211617	0.80479978	0.80496515	0.80577912
<b>MAX</b>	0.83658356	0.84184903	0.8427648	0.84429103
<b>MIN</b>	0.78110504	0.78232604	0.78247869	0.78286022
<b>STD_dev</b>	0.02010126	0.02151799	0.02191199	0.02228065

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00526547	0.00618124	0.00770748
164		0.00389189	0.00427347	0.00488395
165		0.00213677	0.00190789	0.00221306
166		0.002213	0.00244194	0.00328136
167		0.00137353	0.00091571	0.00213671
168		0.001221	0.00137365	0.00175518
<b>Average</b>		0.00268361	0.00284898	0.00366295
<b>MAX</b>		0.00526547	0.00618124	0.00770748
<b>MIN</b>		0.001221	0.00091571	0.00175518
<b>STD_dev</b>		0.00158127	0.00200493	0.00228324

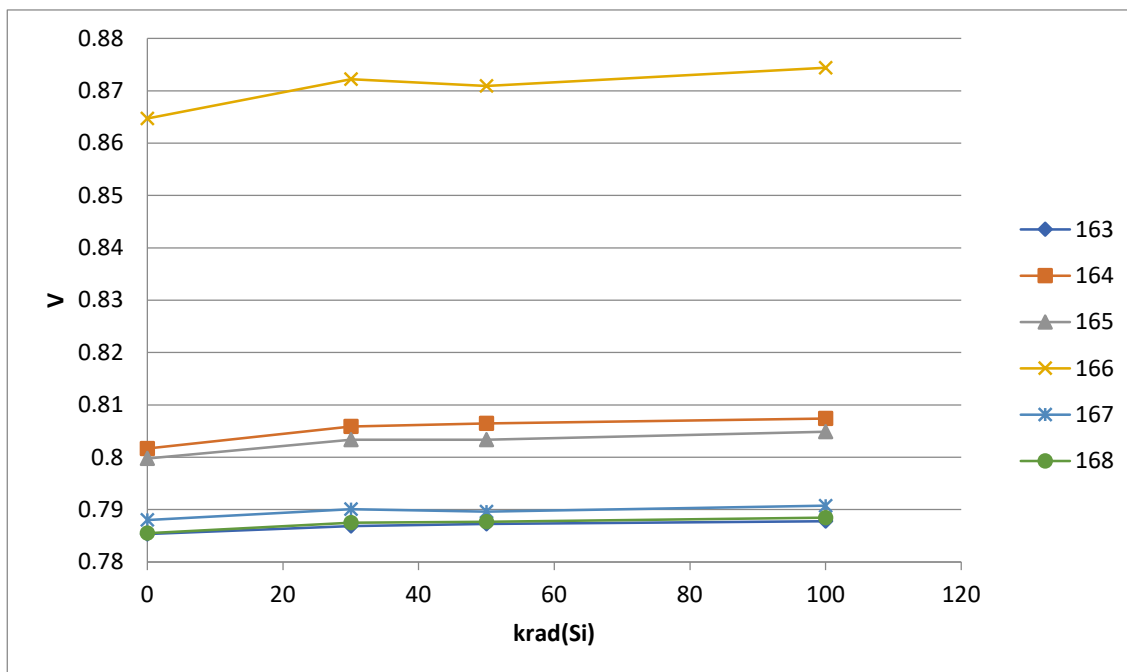


106017 VOCM/SYSREFOUT1\_P/2.500/SYSREF/////////OEFE03\_1/

Limit\_Min 0.588 Limit\_Max 1.12199998 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.78534371	0.78686982	0.78725141	0.78778559
164	0.80167377	0.80587071	0.80648124	0.80739689
165	0.799766	0.80335254	0.80335254	0.80487871
166	0.86470467	0.87218291	0.87088567	0.87439585
167	0.78801453	0.79007483	0.78961694	0.79076159
168	0.78549629	0.78748035	0.78770924	0.78847235
<b>Average</b>	0.8041665	0.80763853	0.80754951	0.8089485
<b>MAX</b>	0.86470467	0.87218291	0.87088567	0.87439585
<b>MIN</b>	0.78534371	0.78686982	0.78725141	0.78778559
<b>STD_dev</b>	0.0305097	0.03266082	0.03211682	0.03316694

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00152612	0.00190771	0.00244188
164		0.00419694	0.00480747	0.00572312
165		0.00358653	0.00358653	0.00511271
166		0.00747824	0.006181	0.00969118
167		0.00206029	0.00160241	0.00274706
168		0.00198406	0.00221294	0.00297606
<b>Average</b>		0.00347203	0.00338301	0.004782
<b>MAX</b>		0.00747824	0.006181	0.00969118
<b>MIN</b>		0.00152612	0.00160241	0.00244188
<b>STD_dev</b>		0.00221729	0.00182293	0.00275585

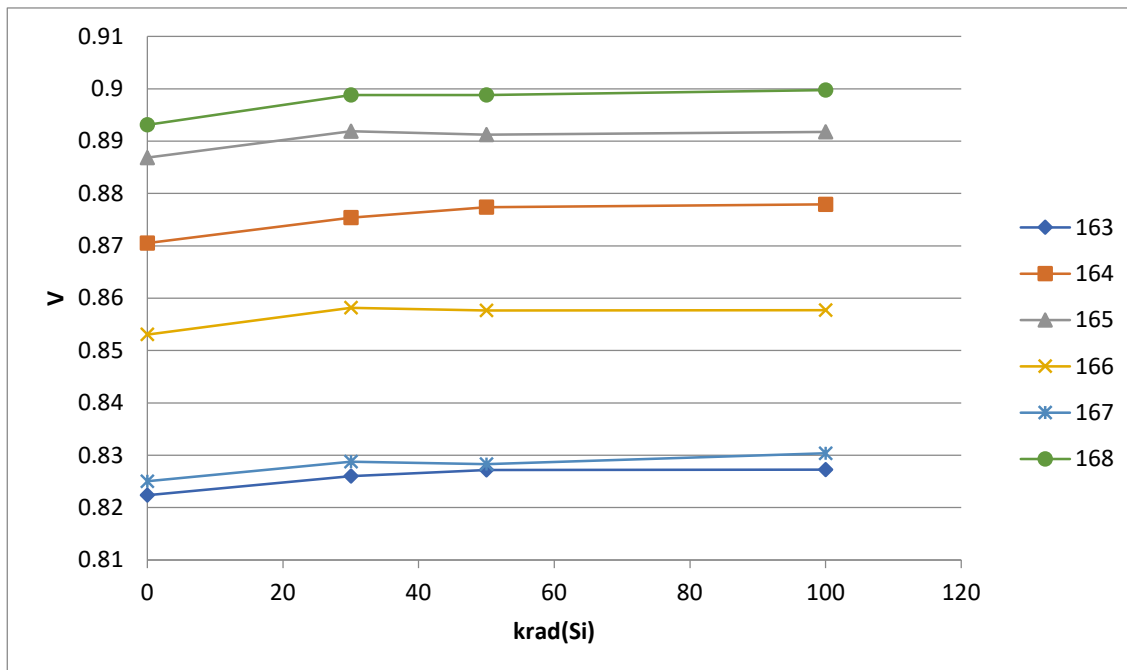


106018 VOCM/SYSREFOUT2\_P/2.500/SYSREF////////OEFE03\_1/

Limit\_Min 0.49000019 Limit\_Max 1.22399998 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.82237434	0.82603693	0.82718146	0.82725769
164	0.87052095	0.8754043	0.87738812	0.8779223
165	0.88684964	0.89188552	0.89119875	0.89173287
166	0.85304767	0.8581599	0.85762578	0.85770208
167	0.82504499	0.82878375	0.82832593	0.8303861
168	0.89310634	0.89882898	0.89882898	0.89974463
<b>Average</b>	0.85849066	0.86318323	0.86342484	0.86412428
<b>MAX</b>	0.89310634	0.89882898	0.89882898	0.89974463
<b>MIN</b>	0.82237434	0.82603693	0.82718146	0.82725769
<b>STD_dev</b>	0.03033095	0.03108762	0.03098052	0.03085477

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00366259	0.00480711	0.00488335
164		0.00488335	0.00686717	0.00740135
165		0.00503588	0.00434911	0.00488323
166		0.00511223	0.00457811	0.00465441
167		0.00373876	0.00328094	0.00534111
168		0.00572264	0.00572264	0.00663829
<b>Average</b>		0.00469257	0.00493418	0.00563362
<b>MAX</b>		0.00572264	0.00686717	0.00740135
<b>MIN</b>		0.00366259	0.00328094	0.00465441
<b>STD_dev</b>		0.00082	0.00123098	0.00112291



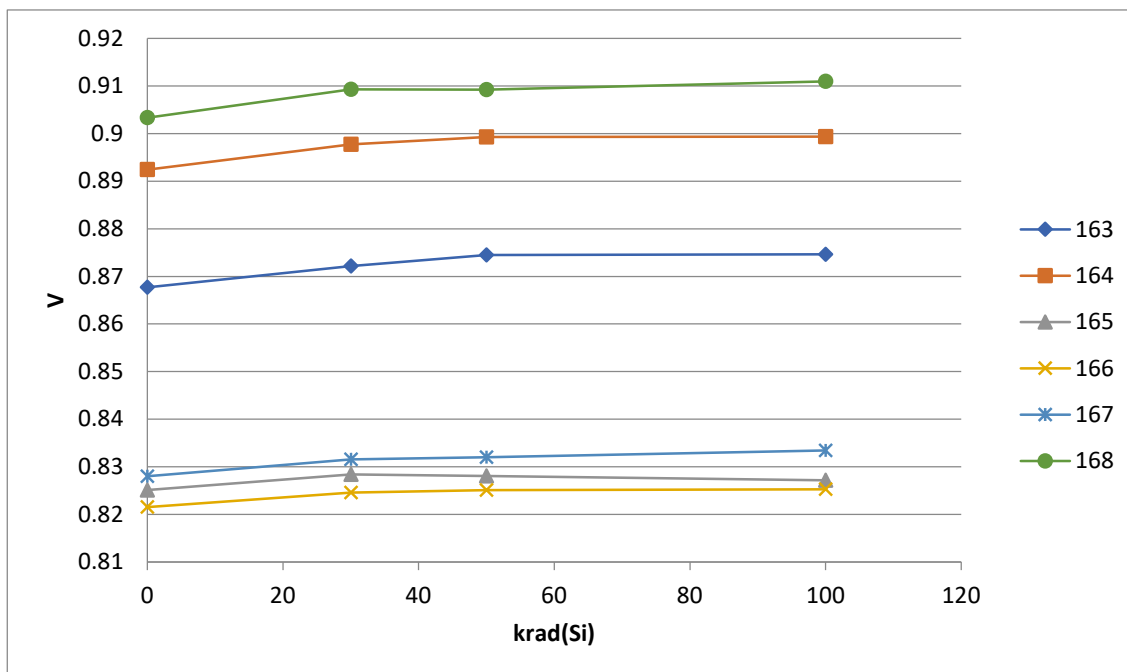


106019 VOCM/SYSREFOUT3\_P/2.500/SYSREF/////////OEFE03\_1/

Limit\_Min 0.588 Limit\_Max 1.12199998 V

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	0.86769718	0.8721993	0.87448847	0.874641
164	0.89242035	0.8977617	0.89928782	0.89936411
165	0.82511842	0.82839954	0.82809436	0.82717866
166	0.82153195	0.82458419	0.8251183	0.82527095
167	0.82801807	0.83152813	0.83198595	0.83343583
168	0.90333206	0.90928388	0.90920758	0.9109627
<b>Average</b>	0.856353	0.86062612	0.86136375	0.86180888
<b>MAX</b>	0.90333206	0.90928388	0.90920758	0.9109627
<b>MIN</b>	0.82153195	0.82458419	0.8251183	0.82527095
<b>STD_dev</b>	0.03640755	0.03758945	0.03790294	0.03828958

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00450212	0.00679129	0.00694382
164		0.00534135	0.00686747	0.00694376
165		0.00328112	0.00297594	0.00206023
166		0.00305224	0.00358635	0.003739
167		0.00351006	0.00396788	0.00541776
168		0.00595182	0.00587553	0.00763065
<b>Average</b>		0.00427312	0.00501074	0.00545587
<b>MAX</b>		0.00595182	0.00686747	0.00763065
<b>MIN</b>		0.00305224	0.00297594	0.00206023
<b>STD_dev</b>		0.00118899	0.00171012	0.00217425

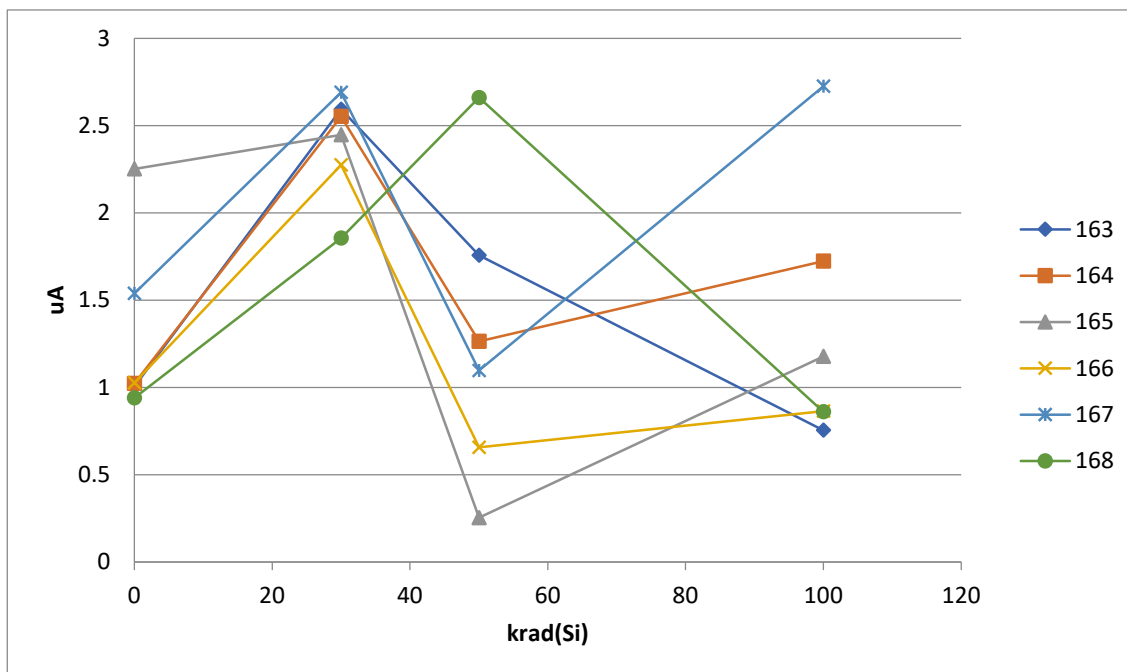


106502 IIHM/SYSREFREQ\_P/2.500/SYSREFREQ/////1.500V/OEK4XM\_1/

Limit\_Min -25.5 Limit\_Max 25.4999995 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	1.00484407	2.59442401	1.75788355	0.75434172
164	1.02246344	2.5522902	1.26453924	1.72341073
165	2.25122762	2.44734001	0.25410292	1.17797422
166	1.02552784	2.27497578	0.6570518	0.86465472
167	1.53955567	2.69018173	1.09753764	2.72542048
168	0.94049496	1.85517347	2.6610713	0.86005831
<b>Average</b>	1.29735226	2.40239753	1.28203107	1.3509767
<b>MAX</b>	2.25122762	2.69018173	2.6610713	2.72542048
<b>MIN</b>	0.94049496	1.85517347	0.25410292	0.75434172
<b>STD_dev</b>	0.51592659	0.30327282	0.84967838	0.76042302

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		1.58957994	0.75303948	-0.2505023
164		1.52982676	0.2420758	0.70094729
165		0.1961124	-1.9971247	-1.0732534
166		1.24944794	-0.368476	-0.1608731
167		1.15062606	-0.442018	1.18586481
168		0.91467851	1.72057635	-0.0804366
<b>Average</b>		1.10504527	-0.0153212	0.05362443
<b>MAX</b>		1.58957994	1.72057635	1.18586481
<b>MIN</b>		0.1961124	-1.9971247	-1.0732534
<b>STD_dev</b>		0.51000811	1.25732297	0.79086326

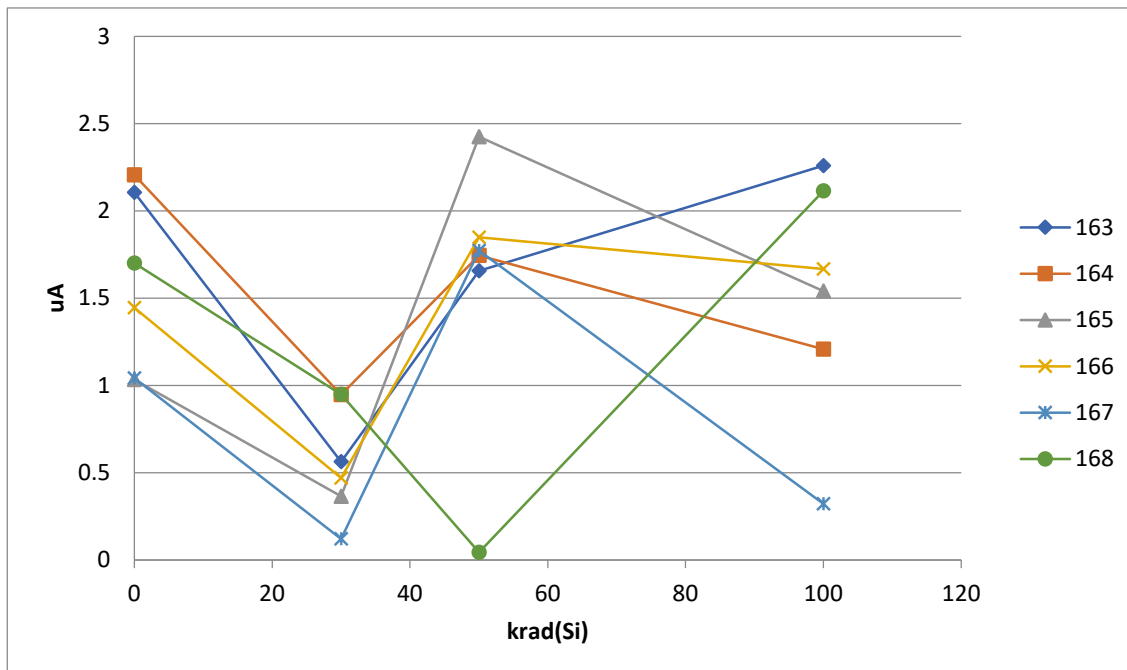


106503 IILM/SYSREFREQ\_N/2.500/SYSREFREQ/////1.500V/OEK4XM\_1/

Limit\_Min -25.5 Limit\_Max 25.4999995 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	2.1055398	0.56273359	1.65663981	2.25951409
164	2.20589113	0.94728601	1.74550068	1.20773983
165	1.03308249	0.36509505	2.42497873	1.54020166
166	1.4452126	0.47004265	1.84891605	1.66736436
167	1.04304111	0.12072803	1.77231205	0.32143071
168	1.70030415	0.94958419	0.04412395	2.11473227
<b>Average</b>	1.58884521	0.56924492	1.58207855	1.51849715
<b>MAX</b>	2.20589113	0.94958419	2.42497873	2.25951409
<b>MIN</b>	1.03308249	0.12072803	0.04412395	0.32143071
<b>STD_dev</b>	0.50745378	0.32872514	0.80192796	0.70096692

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-1.5428062	-0.4489	0.15397429
164		-1.2586051	-0.4603904	-0.9981513
165		-0.6679874	1.39189625	0.50711918
166		-0.97517	0.40370345	0.22215176
167		-0.9223131	0.72927094	-0.7216104
168		-0.75072	-1.6561802	0.41442811
<b>Average</b>		-1.0196003	-0.0067667	-0.0703481
<b>MAX</b>		-0.6679874	1.39189625	0.50711918
<b>MIN</b>		-1.5428062	-1.6561802	-0.9981513
<b>STD_dev</b>		0.32809597	1.07594762	0.63076374

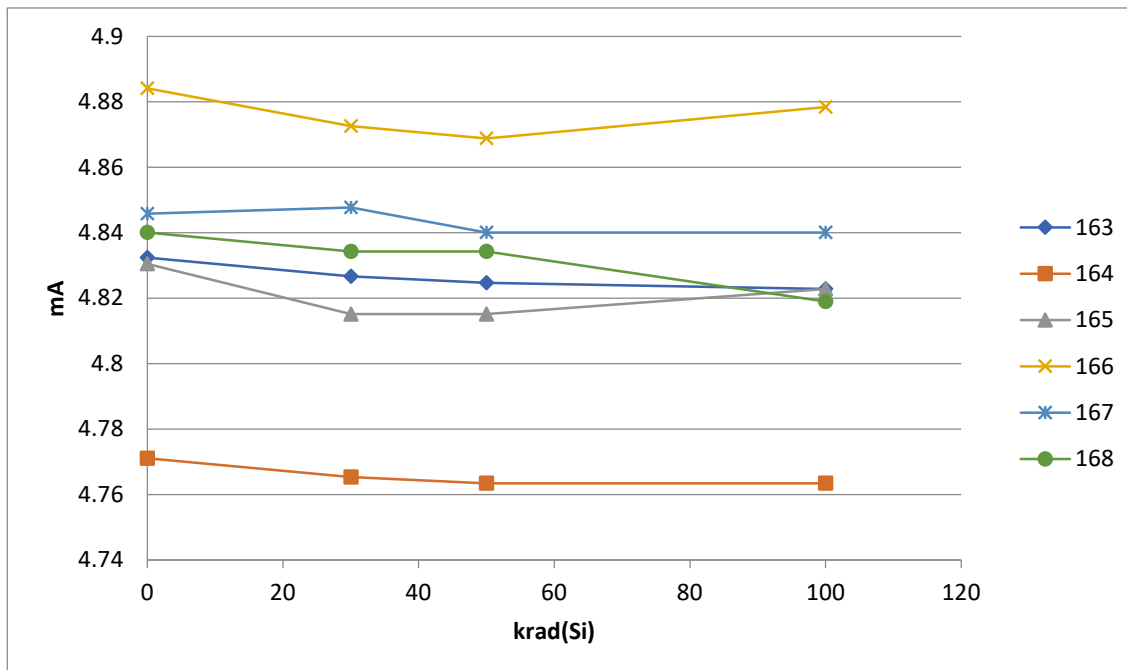


106504 IIH/SYSREFREQ\_P/2.500/SYSREFREQ/////1.700V/OE6ZLB\_1/

Limit\_Min 0.98000001 Limit\_Max 8.16000067 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	4.83239508	4.82664681	4.82473087	4.82281542
164	4.77108526	4.76533794	4.76342154	4.76342154
165	4.83047867	4.81515122	4.81515122	4.82281542
166	4.88412476	4.87262917	4.86879683	4.87837648
167	4.8458066	4.84772205	4.84005833	4.84005833
168	4.84005833	4.83431053	4.83431053	4.81898356
<b>Average</b>	4.83399145	4.82696629	4.82441155	4.82441179
<b>MAX</b>	4.88412476	4.87262917	4.86879683	4.87837648
<b>MIN</b>	4.77108526	4.76533794	4.76342154	4.76342154
<b>STD_dev</b>	0.03650159	0.03607655	0.03498143	0.03717896

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0057483	-0.0076642	-0.0095797
164		-0.0057473	-0.0076637	-0.0076637
165		-0.0153275	-0.0153275	-0.0076632
166		-0.0114956	-0.0153279	-0.0057483
167		0.00191545	-0.0057483	-0.0057483
168		-0.0057478	-0.0057478	-0.0210748
<b>Average</b>		-0.0070252	-0.0095799	-0.0095797
<b>MAX</b>		0.00191545	-0.0057478	-0.0057483
<b>MIN</b>		-0.0153275	-0.0153279	-0.0210748
<b>STD_dev</b>		0.00589478	0.00453392	0.00581103

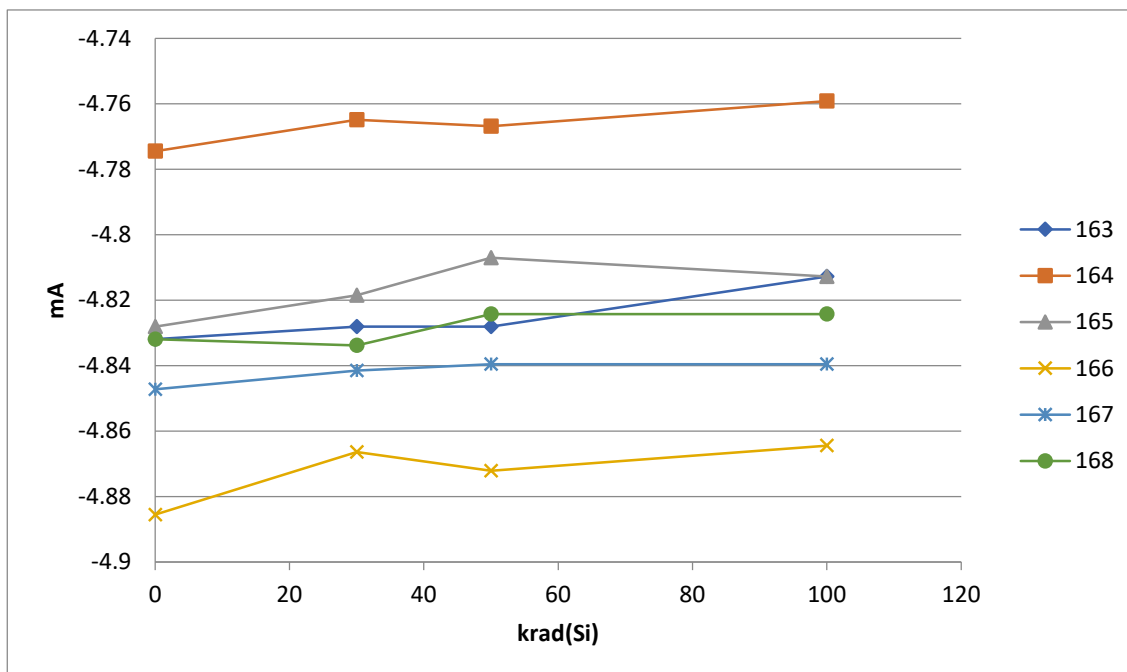


106505 IIL/SYSREFREQ\_N/2.500/SYSREFREQ/////1.200V/OEGS7Q\_1/

Limit\_Min -8.1600007 Limit\_Max -0.98 mA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-4.8319106	-4.8280816	-4.8280816	-4.8127661
164	-4.774477	-4.7649045	-4.766819	-4.7591615
165	-4.8280816	-4.8185091	-4.8070226	-4.8127661
166	-4.8855152	-4.8663707	-4.8721137	-4.8644562
167	-4.8472261	-4.8414826	-4.8395686	-4.8395686
168	-4.8319106	-4.8338251	-4.8242526	-4.8242526
<b>Average</b>	-4.8331869	-4.8255289	-4.8229764	-4.8188285
<b>MAX</b>	-4.774477	-4.7649045	-4.766819	-4.7591615
<b>MIN</b>	-4.8855152	-4.8663707	-4.8721137	-4.8644562
<b>STD_dev</b>	0.03580929	0.03383049	0.03500185	0.0351429

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.003829	0.003829	0.01914454
164		0.00957251	0.007658	0.01531553
165		0.00957251	0.02105904	0.01531553
166		0.01914453	0.01340151	0.02105904
167		0.0057435	0.00765753	0.00765753
168		-0.0019145	0.00765801	0.00765801
<b>Average</b>		0.00765793	0.01021051	0.01435836
<b>MAX</b>		0.01914453	0.02105904	0.02105904
<b>MIN</b>		-0.0019145	0.003829	0.00765753
<b>STD_dev</b>		0.00706018	0.00613425	0.00564685

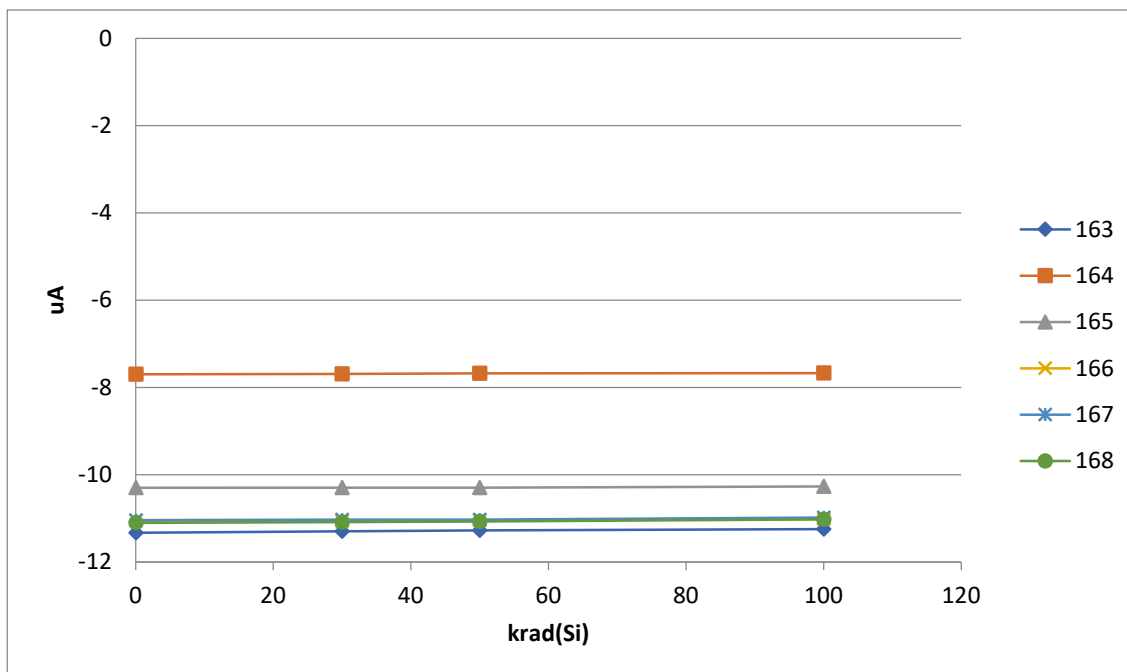


180000 IIL/SCK/2.400/////0.000V/OEP7QA\_2/

Limit\_Min      -15.3    Limit\_Max      -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-11.330075	-11.299547	-11.272074	-11.246126
164	-7.6981559	-7.6874714	-7.6729712	-7.6714449
165	-10.299034	-10.294455	-10.295219	-10.268507
166	-11.05228	-11.062203	-11.041596	-11.011833
167	-11.040834	-11.031676	-11.028624	-10.981306
168	-11.102651	-11.084334	-11.069071	-11.022517
<b>Average</b>	-10.420505	-10.409948	-10.396593	-10.366956
<b>MAX</b>	-7.6981559	-7.6874714	-7.6729712	-7.6714449
<b>MIN</b>	-11.330075	-11.299547	-11.272074	-11.246126
<b>STD_dev</b>	1.37858837	1.37719893	1.37568725	1.36172432

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.03052806	0.05800151	0.08394908
164		0.01068449	0.02518463	0.02671099
165		0.00457954	0.0038147	0.03052712
166		-0.009923	0.01068402	0.04044724
167		0.00915814	0.01221085	0.05952835
168		0.01831627	0.03357982	0.08013344
<b>Average</b>		0.01055725	0.02391259	0.05354937
<b>MAX</b>		0.03052806	0.05800151	0.08394908
<b>MIN</b>		-0.009923	0.0038147	0.02671099
<b>STD_dev</b>		0.01353649	0.01986443	0.02485394

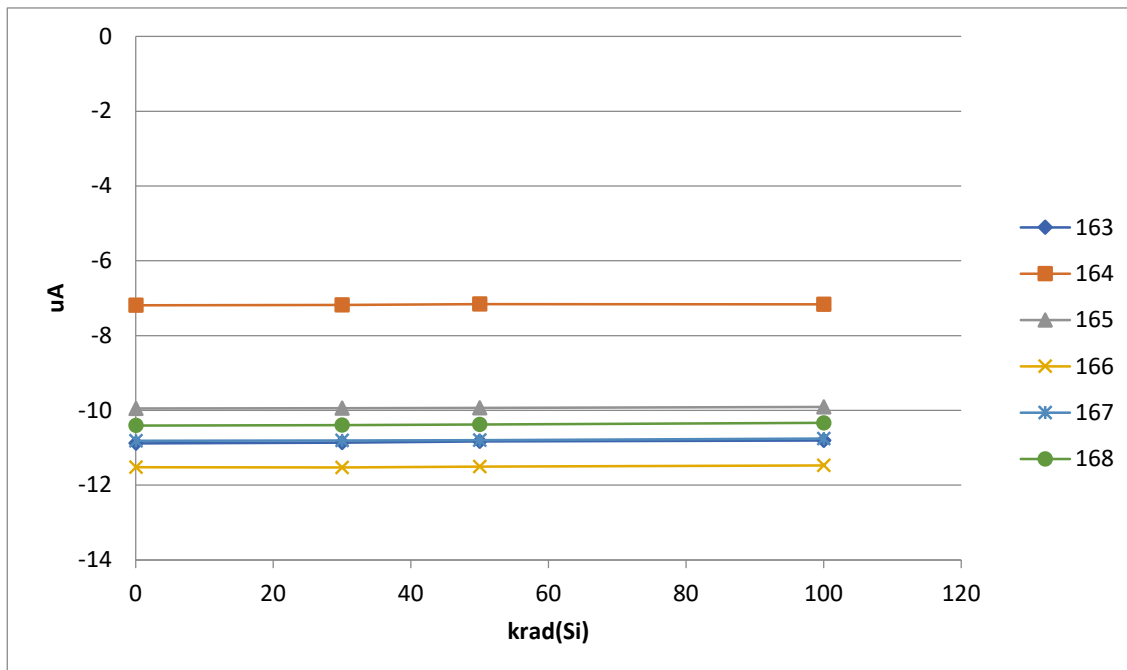


180001 IIL/SDI/2.400/////0.000V/OEP7QA\_2/

Limit\_Min      -15.3    Limit\_Max      -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-10.882514	-10.859529	-10.827349	-10.804363
164	-7.1895261	-7.1765013	-7.1588788	-7.1634765
165	-9.9485407	-9.9393463	-9.9355154	-9.9079323
166	-11.515379	-11.525339	-11.503119	-11.471706
167	-10.812026	-10.800532	-10.798234	-10.75303
168	-10.40595	-10.390626	-10.378367	-10.332397
<b>Average</b>	-10.125656	-10.115312	-10.100244	-10.072151
<b>MAX</b>	-7.1895261	-7.1765013	-7.1588788	-7.1634765
<b>MIN</b>	-11.515379	-11.525339	-11.503119	-11.471706
<b>STD_dev</b>	1.53010202	1.53329266	1.53232165	1.51746954

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.02298546	0.05516529	0.07815075
164		0.01302481	0.03064728	0.02604961
165		0.00919437	0.01302528	0.04060841
166		-0.0099602	0.01225948	0.04367256
167		0.01149368	0.01379203	0.0589962
168		0.01532364	0.02758217	0.07355308
<b>Average</b>		0.01034363	0.02541192	0.0535051
<b>MAX</b>		0.02298546	0.05516529	0.07815075
<b>MIN</b>		-0.0099602	0.01225948	0.02604961
<b>STD_dev</b>		0.01101538	0.01660614	0.02027949

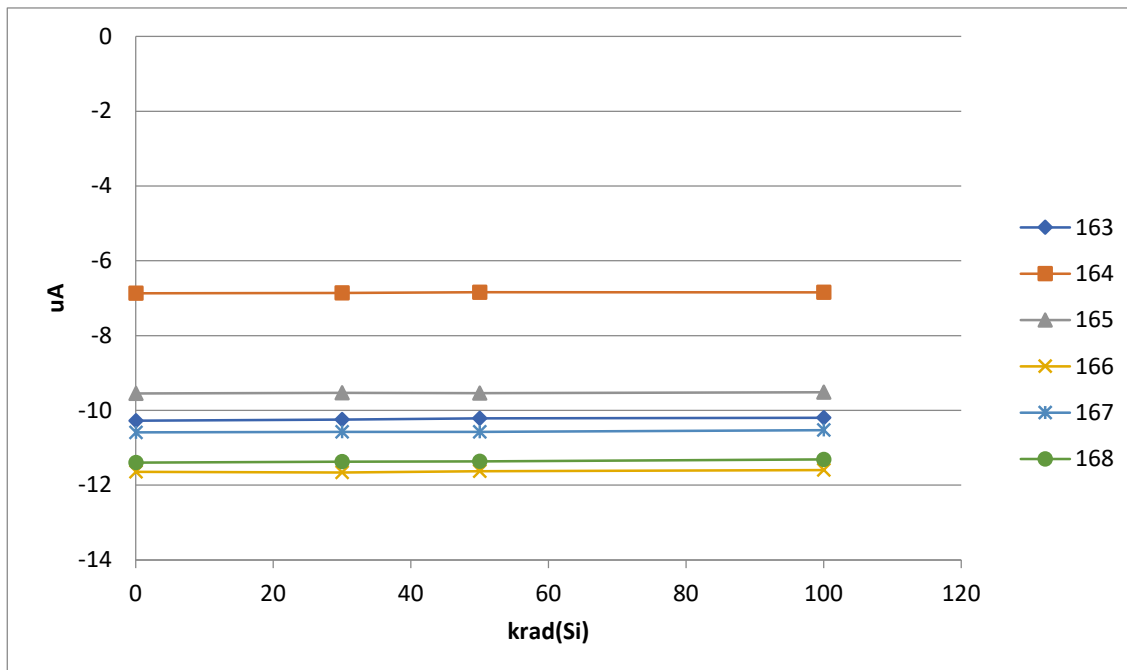


180002 IIL/CSB/2.400/////0.000V/OEP7QA\_2/

Limit\_Min      -15.3    Limit\_Max      -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-10.275104	-10.246751	-10.216866	-10.197708
164	-6.8689456	-6.8597503	-6.8398266	-6.843658
165	-9.5471287	-9.5341024	-9.5386992	-9.5149431
166	-11.642931	-11.660556	-11.628371	-11.595421
167	-10.586984	-10.573956	-10.573191	-10.528746
168	-11.396186	-11.369365	-11.359404	-11.310362
<b>Average</b>	-10.05288	-10.040747	-10.02606	-9.9984729
<b>MAX</b>	-6.8689456	-6.8597503	-6.8398266	-6.843658
<b>MIN</b>	-11.642931	-11.660556	-11.628371	-11.595421
<b>STD_dev</b>	1.73554634	1.73730738	1.73612036	1.71923457

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.02835274	0.05823708	0.07739544
164		0.00919533	0.02911902	0.02528763
165		0.01302624	0.00842953	0.03218555
166		-0.0176249	0.01455974	0.04751014
167		0.01302719	0.01379299	0.05823803
168		0.02682114	0.03678227	0.08582402
<b>Average</b>		0.01213296	0.0268201	0.0544068
<b>MAX</b>		0.02835274	0.05823708	0.08582402
<b>MIN</b>		-0.0176249	0.00842953	0.02528763
<b>STD_dev</b>		0.01658059	0.01870717	0.0241639



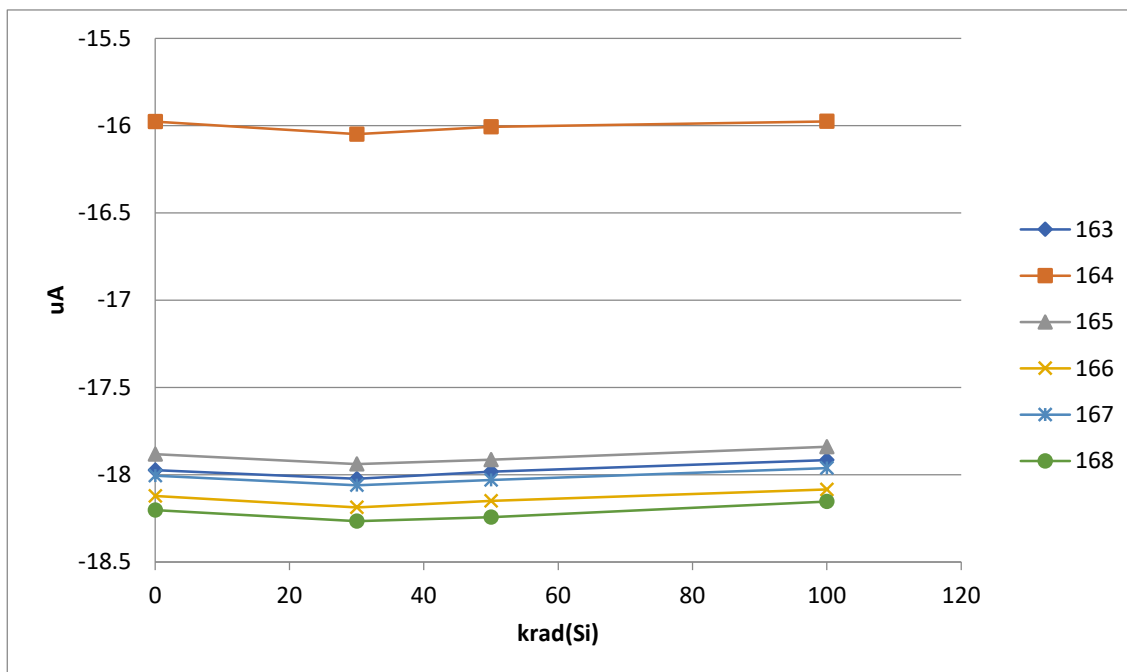


180003 IIL/OE0/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-17.974203	-18.023092	-17.981842	-17.916149
164	-15.977435	-16.048475	-16.00646	-15.975907
165	-17.882538	-17.939064	-17.913095	-17.839762
166	-18.122396	-18.187326	-18.149895	-18.084202
167	-18.004759	-18.060522	-18.029203	-17.961983
168	-18.202602	-18.266005	-18.242325	-18.153715
<b>Average</b>	-17.693989	-17.754081	-17.72047	-17.655286
<b>MAX</b>	-15.977435	-16.048475	-16.00646	-15.975907
<b>MIN</b>	-18.202602	-18.266005	-18.242325	-18.153715
<b>STD_dev</b>	0.84846052	0.84372391	0.84797452	0.83052476

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0488892	-0.0076389	0.05805397
164		-0.0710402	-0.0290251	0.00152778
165		-0.0565262	-0.0305576	0.04277611
166		-0.06493	-0.0274982	0.03819466
167		-0.0557632	-0.0244446	0.0427761
168		-0.0634022	-0.0397224	0.04888726
<b>Average</b>		-0.0600918	-0.0264811	0.03870265
<b>MAX</b>		-0.0488892	-0.0076389	0.05805397
<b>MIN</b>		-0.0710402	-0.0397224	0.00152778
<b>STD_dev</b>		0.007889	0.01057007	0.01946081

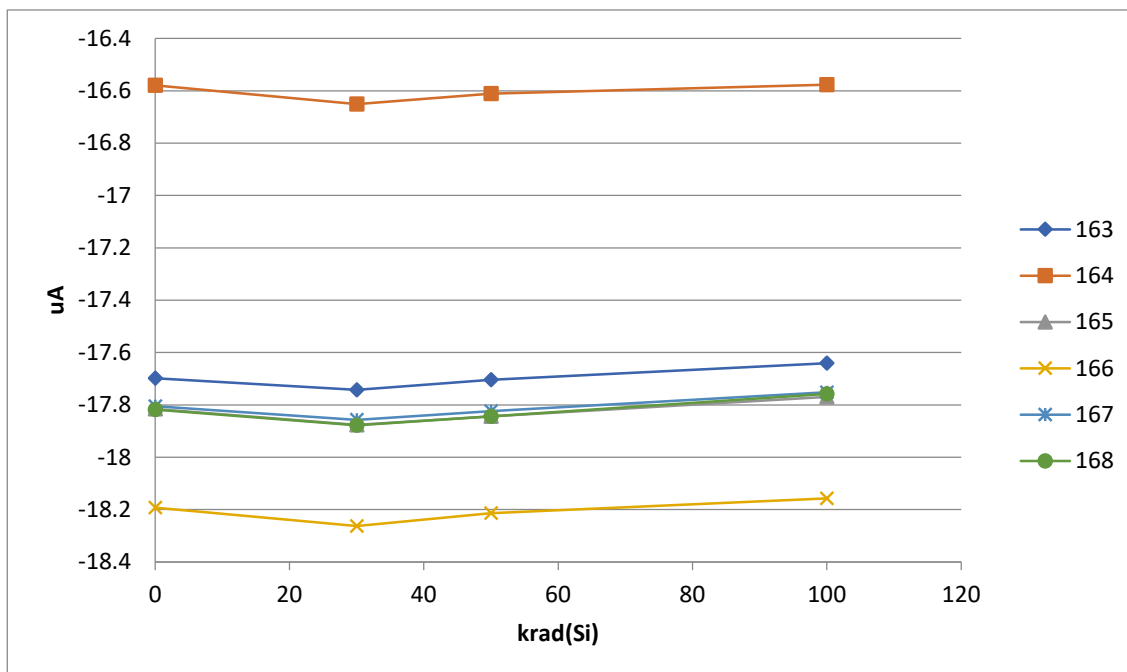


180004 IIL/OE1/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-17.698093	-17.742455	-17.704212	-17.64073
164	-16.579124	-16.651018	-16.611248	-16.57683
165	-17.81588	-17.876305	-17.843414	-17.769226
166	-18.192949	-18.262552	-18.213602	-18.157003
167	-17.804409	-17.857183	-17.82353	-17.751635
168	-17.818176	-17.877834	-17.844181	-17.757753
<b>Average</b>	-17.651439	-17.711225	-17.673365	-17.608863
<b>MAX</b>	-16.579124	-16.651018	-16.611248	-16.57683
<b>MIN</b>	-18.192949	-18.262552	-18.213602	-18.157003
<b>STD_dev</b>	0.55199827	0.54868742	0.54800449	0.53569284

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0443611	-0.0061188	0.05736351
164		-0.0718937	-0.0321236	0.00229454
165		-0.0604248	-0.0275345	0.04665375
166		-0.069603	-0.0206528	0.0359459
167		-0.0527744	-0.0191212	0.05277443
168		-0.0596581	-0.0260048	0.0604229
<b>Average</b>		-0.0597858	-0.0219259	0.04257584
<b>MAX</b>		-0.0443611	-0.0061188	0.0604229
<b>MIN</b>		-0.0718937	-0.0321236	0.00229454
<b>STD_dev</b>		0.01030031	0.00907126	0.02156095

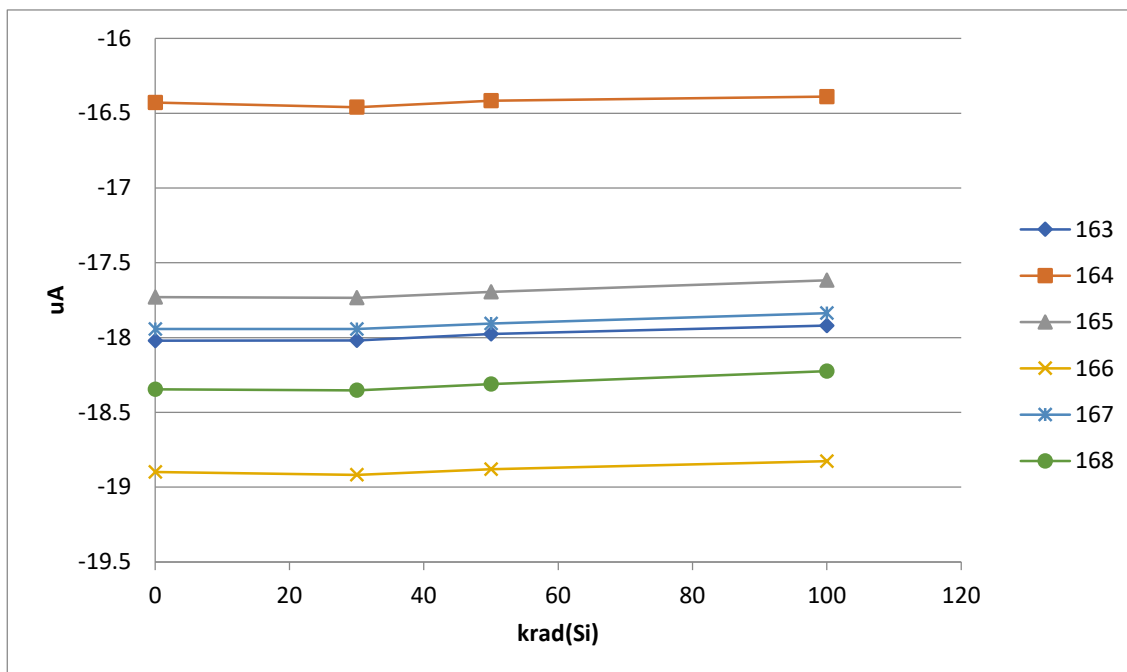


180005 IIL/OE2/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-18.020559	-18.019791	-17.976154	-17.9195
164	-16.429646	-16.46027	-16.415867	-16.389069
165	-17.728867	-17.734224	-17.693647	-17.617088
166	-18.897934	-18.917839	-18.880323	-18.825966
167	-17.942469	-17.942469	-17.905718	-17.836813
168	-18.345173	-18.352827	-18.309954	-18.224207
<b>Average</b>	-17.894108	-17.90457	-17.863611	-17.802107
<b>MAX</b>	-16.429646	-16.46027	-16.415867	-16.389069
<b>MIN</b>	-18.897934	-18.917839	-18.880323	-18.825966
<b>STD_dev</b>	0.82479207	0.81943652	0.82124487	0.80899326

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00076866	0.04440498	0.10105896
164		-0.0306244	0.01377869	0.04057694
165		-0.0053577	0.03521919	0.11177826
166		-0.0199051	0.01761055	0.07196808
167		0	0.03675079	0.10565567
168		-0.0076542	0.03521919	0.12096596
<b>Average</b>		-0.0104621	0.03049723	0.09200064
<b>MAX</b>		0.00076866	0.04440498	0.12096596
<b>MIN</b>		-0.0306244	0.01377869	0.04057694
<b>STD_dev</b>		0.01237103	0.0120225	0.0301475

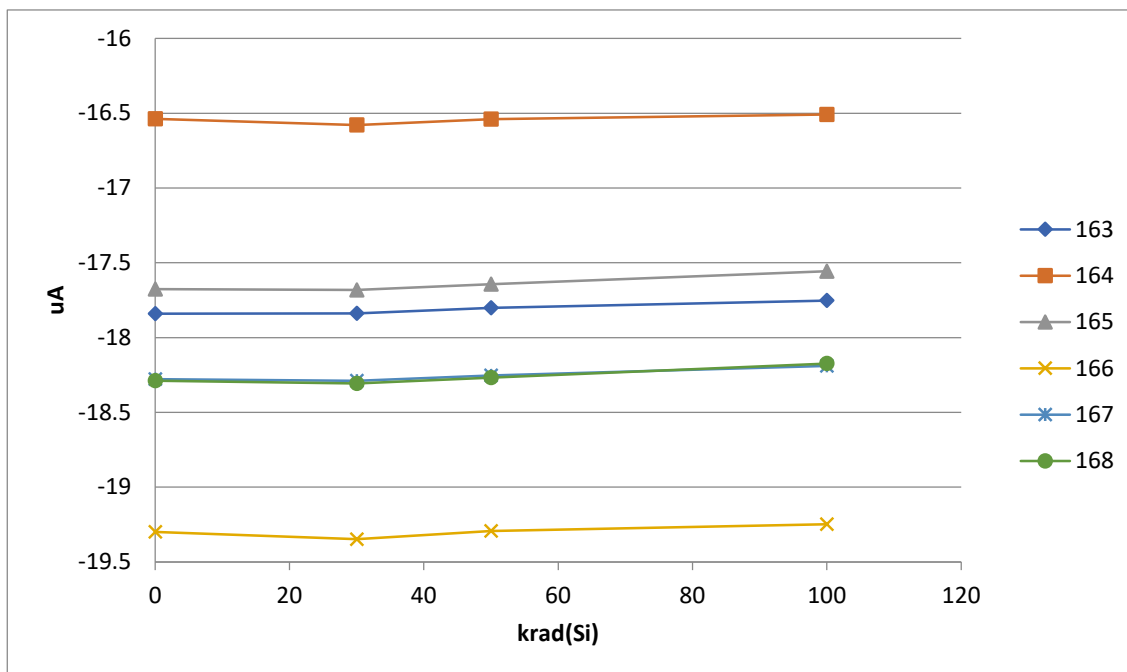


180006 IIL/OE3/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-17.840185	-17.838654	-17.800304	-17.75275
164	-16.537083	-16.579266	-16.539383	-16.508703
165	-17.676054	-17.681421	-17.642305	-17.556404
166	-19.299755	-19.347309	-19.293621	-19.247602
167	-18.2789	-18.288872	-18.253592	-18.189165
168	-18.288872	-18.306513	-18.267397	-18.173822
<b>Average</b>	-17.986808	-18.007006	-17.9661	-17.904741
<b>MAX</b>	-16.537083	-16.579266	-16.539383	-16.508703
<b>MIN</b>	-19.299755	-19.347309	-19.293621	-19.247602
<b>STD_dev</b>	0.90776211	0.90976433	0.90593555	0.89999333

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00153161	0.03988076	0.08743477
164		-0.0421829	-0.0023003	0.02837944
165		-0.0053673	0.03374863	0.11964989
166		-0.047554	0.00613404	0.05215264
167		-0.0099716	0.02530861	0.08973503
168		-0.0176411	0.02147484	0.11504937
<b>Average</b>		-0.0201975	0.02070777	0.08206686
<b>MAX</b>		0.00153161	0.03988076	0.11964989
<b>MIN</b>		-0.047554	-0.0023003	0.02837944
<b>STD_dev</b>		0.0201739	0.01613188	0.03567953

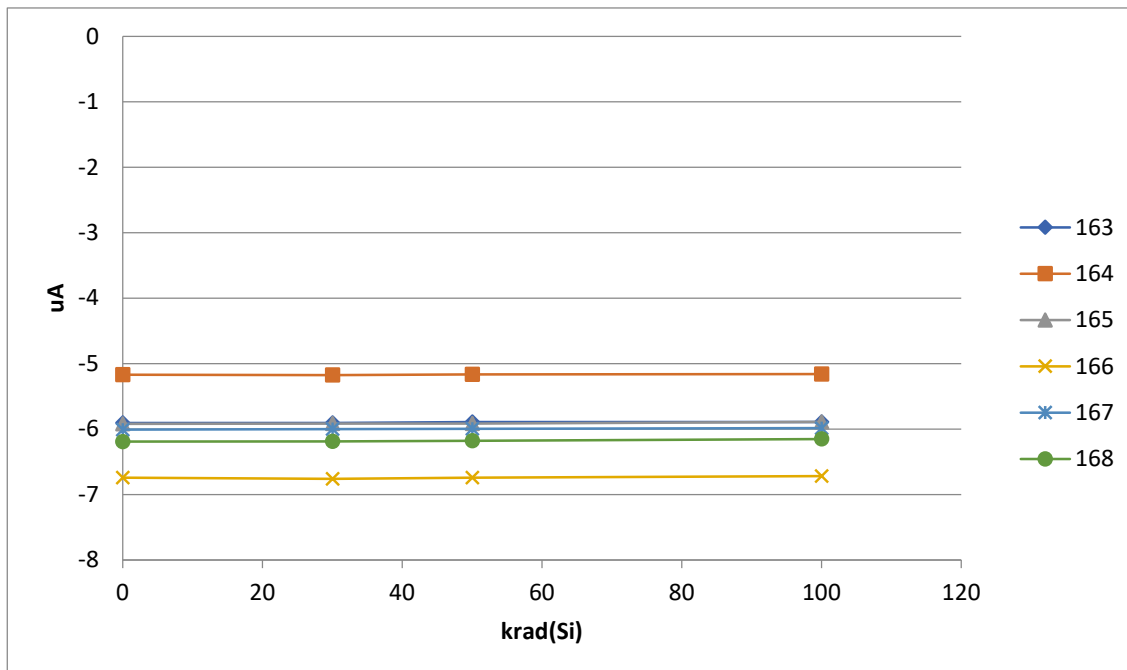


180007 IIL/MUXSEL0/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-5.9068346	-5.9045405	-5.8923078	-5.8915429
164	-5.1697893	-5.1751413	-5.1652021	-5.1590853
165	-5.9198322	-5.9152451	-5.9144802	-5.8900142
166	-6.7440381	-6.7600942	-6.7432737	-6.7180429
167	-6.0077577	-6.0024056	-5.9970541	-5.9848208
168	-6.1904898	-6.188961	-6.1767273	-6.1522613
<b>Average</b>	-5.9897903	-5.9910646	-5.9815075	-5.9659612
<b>MAX</b>	-5.1697893	-5.1751413	-5.1652021	-5.1590853
<b>MIN</b>	-6.7440381	-6.7600942	-6.7432737	-6.7180429
<b>STD_dev</b>	0.50865907	0.51179368	0.50940042	0.50260223

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00229406	0.01452684	0.01529169
164		-0.005352	0.00458717	0.01070404
165		0.00458717	0.00535202	0.02981806
166		-0.0160561	0.00076437	0.02599525
167		0.00535202	0.01070356	0.02293682
168		0.00152874	0.01376247	0.03822851
<b>Average</b>		-0.0012743	0.00828274	0.02382906
<b>MAX</b>		0.00535202	0.01452684	0.03822851
<b>MIN</b>		-0.0160561	0.00076437	0.01070404
<b>STD_dev</b>		0.00817293	0.00554345	0.00993835

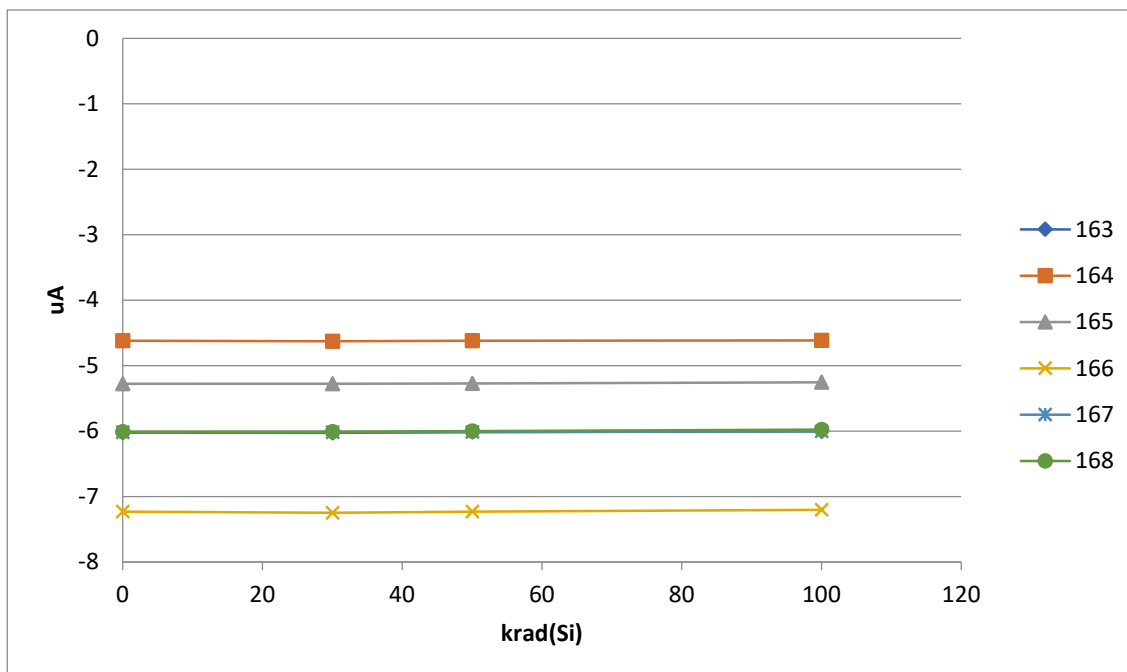


180008 IIL/MUXSEL1/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-6.0254335	-6.0269647	-6.0154824	-6.0040007
164	-4.6192923	-4.6269469	-4.6185269	-4.6146994
165	-5.276053	-5.2768188	-5.2737565	-5.2546201
166	-7.2287292	-7.2478657	-7.2302599	-7.202704
167	-6.0185442	-6.0185442	-6.0154824	-6.0032353
168	-6.01089	-6.0093589	-6.0001736	-5.97721
<b>Average</b>	-5.863157	-5.8677499	-5.858947	-5.8427449
<b>MAX</b>	-4.6192923	-4.6269469	-4.6185269	-4.6146994
<b>MIN</b>	-7.2287292	-7.2478657	-7.2302599	-7.202704
<b>STD_dev</b>	0.87509795	0.87882337	0.87527602	0.86871362

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0015311	0.00995111	0.02143288
164		-0.0076547	0.00076532	0.0045929
165		-0.0007658	0.00229645	0.02143288
166		-0.0191364	-0.0015306	0.02602529
167		0	0.00306177	0.01530886
168		0.00153112	0.01071644	0.03367996
<b>Average</b>		-0.0045928	0.00421007	0.02041213
<b>MAX</b>		0.00153112	0.01071644	0.03367996
<b>MIN</b>		-0.0191364	-0.0015306	0.0045929
<b>STD_dev</b>		0.00779113	0.0050019	0.00985818

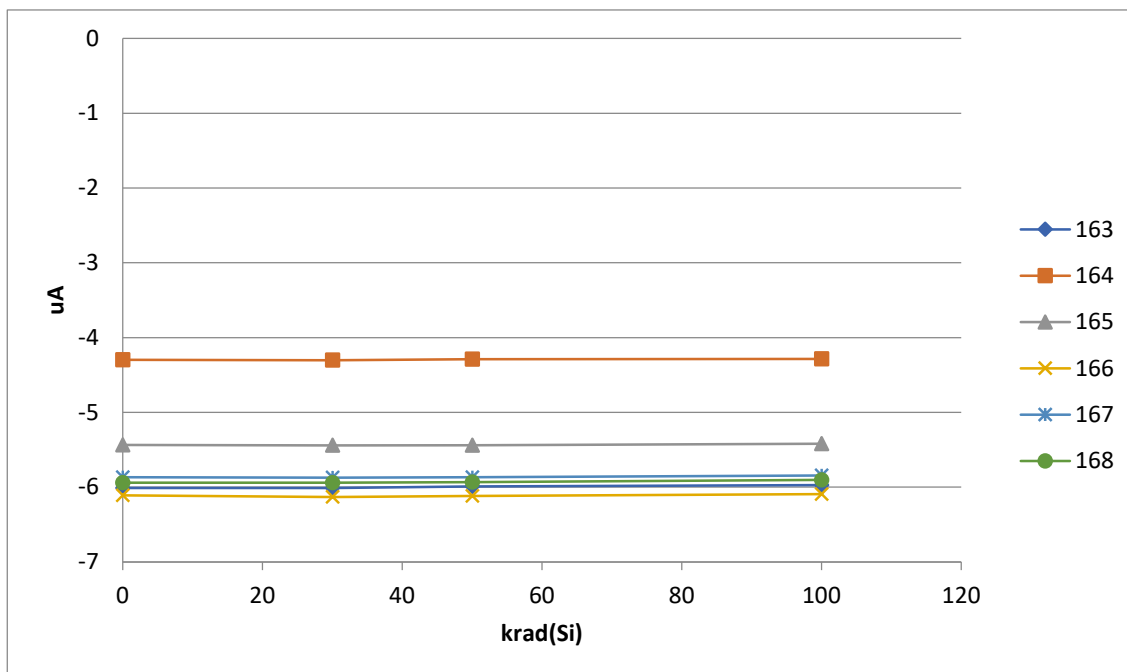


180009 IIL/DIVSELO/2.400////////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-6.0091586	-6.0106864	-5.9908366	-5.9717507
164	-4.2975349	-4.3028789	-4.2899003	-4.2853203
165	-5.4342918	-5.4411626	-5.4388719	-5.4190226
166	-6.1106963	-6.131309	-6.1168036	-6.0923734
167	-5.8648696	-5.8725042	-5.8679233	-5.8434935
168	-5.9396868	-5.9396868	-5.933579	-5.9022779
<b>Average</b>	-5.609373	-5.6163713	-5.6063191	-5.5857064
<b>MAX</b>	-4.2975349	-4.3028789	-4.2899003	-4.2853203
<b>MIN</b>	-6.1106963	-6.131309	-6.1168036	-6.0923734
<b>STD_dev</b>	0.68368294	0.68509017	0.68483297	0.6769344

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0015278	0.01832199	0.03740788
164		-0.0053439	0.00763464	0.01221466
165		-0.0068707	-0.00458	0.01526928
166		-0.0206127	-0.0061073	0.01832295
167		-0.0076346	-0.0030537	0.02137613
168		0	0.00610781	0.03740883
<b>Average</b>		-0.0069983	0.0030539	0.02366662
<b>MAX</b>		0	0.01832199	0.03740883
<b>MIN</b>		-0.0206127	-0.0061073	0.01221466
<b>STD_dev</b>		0.00731318	0.00941203	0.0110737

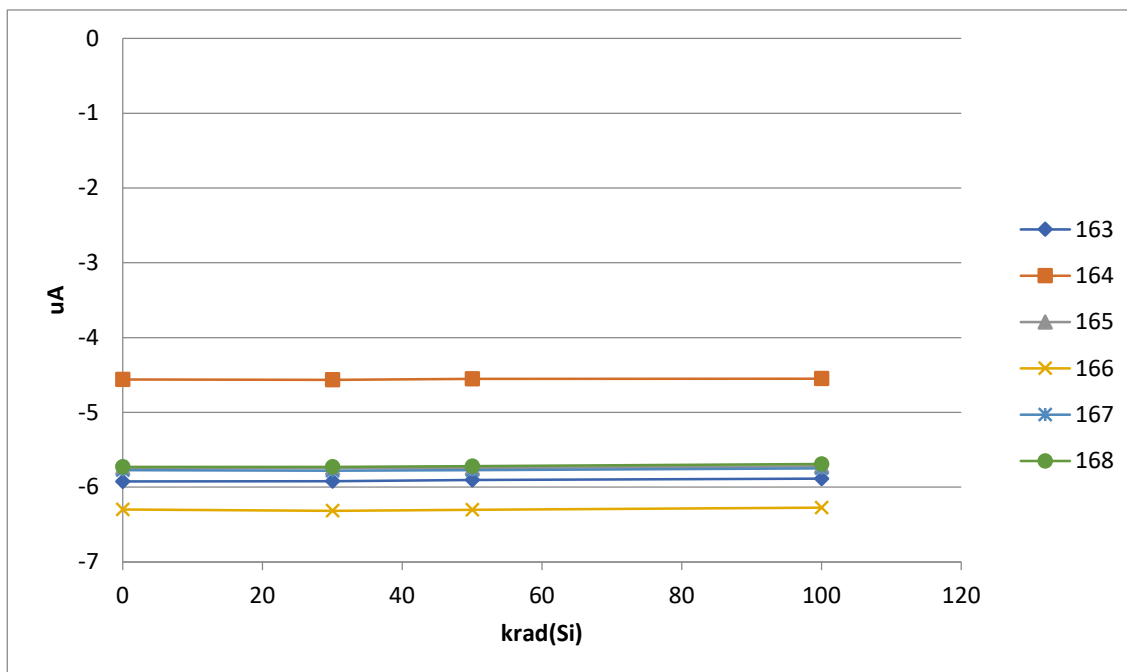


180010 IIL/DIVSEL1/2.400/////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-5.9228287	-5.920537	-5.9052629	-5.885406
164	-4.5603461	-4.5649281	-4.553472	-4.549654
165	-5.7402992	-5.7433534	-5.7418261	-5.7204418
166	-6.2985806	-6.3161464	-6.300108	-6.2733774
167	-5.7739019	-5.7792492	-5.773139	-5.7479362
168	-5.7288432	-5.7288432	-5.7181511	-5.6898928
<b>Average</b>	-5.6708	-5.6755095	-5.6653265	-5.6444514
<b>MAX</b>	-4.5603461	-4.5649281	-4.553472	-4.549654
<b>MIN</b>	-6.2985806	-6.3161464	-6.300108	-6.2733774
<b>STD_dev</b>	0.5847331	0.5868653	0.58600401	0.57805484

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00229168	0.01756573	0.03742266
164		-0.0045819	0.00687408	0.01069212
165		-0.0030541	-0.0015268	0.01985741
166		-0.0175657	-0.0015273	0.02520323
167		-0.0053473	0.00076294	0.02596569
168		0	0.01069212	0.03895044
<b>Average</b>		-0.0047096	0.00547345	0.02634859
<b>MAX</b>		0.00229168	0.01756573	0.03895044
<b>MIN</b>		-0.0175657	-0.0015273	0.01069212
<b>STD_dev</b>		0.00692303	0.00768925	0.01067858



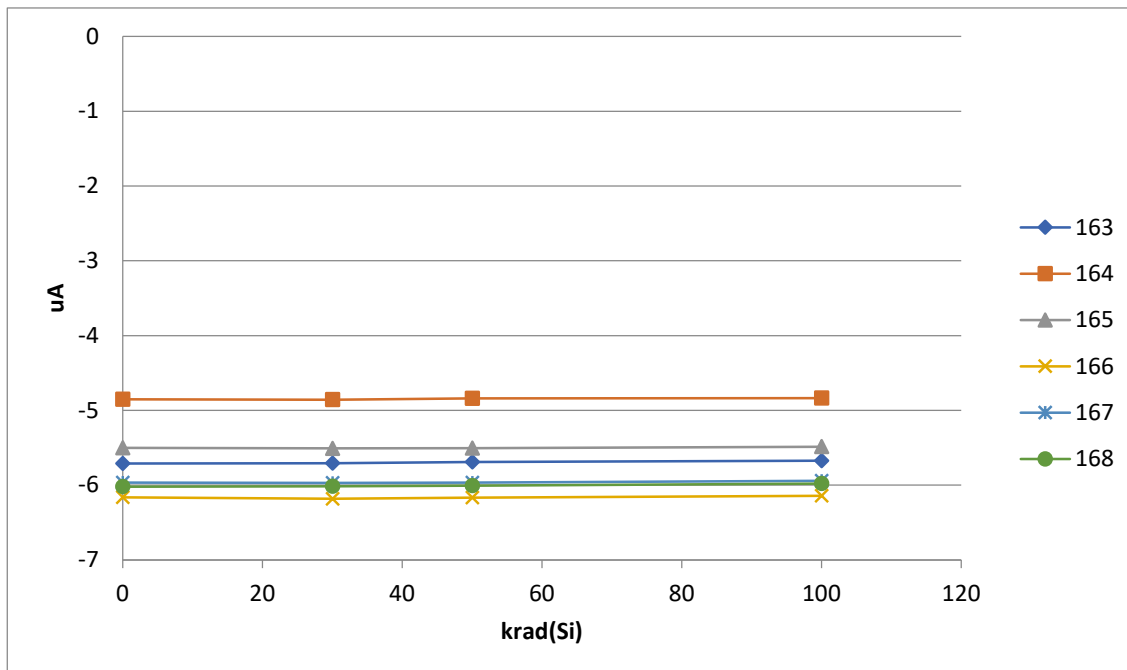


180011 IIL/DIVSEL2/2.400////////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-5.7099972	-5.7069335	-5.6908507	-5.6724696
164	-4.8529921	-4.8575873	-4.8407383	-4.836143
165	-5.5016813	-5.5070424	-5.5055108	-5.4863639
166	-6.1633906	-6.181005	-6.1649222	-6.1419463
167	-5.9650311	-5.969626	-5.9642649	-5.9412885
168	-6.0201731	-6.0155783	-6.0079193	-5.9788165
<b>Average</b>	-5.7022109	-5.7062954	-5.695701	-5.6761713
<b>MAX</b>	-4.8529921	-4.8575873	-4.8407383	-4.836143
<b>MIN</b>	-6.1633906	-6.181005	-6.1649222	-6.1419463
<b>STD_dev</b>	0.47839451	0.4796573	0.4810265	0.47339533

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00306368	0.01914644	0.03752756
164		-0.0045953	0.01225376	0.01684904
165		-0.0053611	-0.0038295	0.01531744
166		-0.0176144	-0.0015316	0.02144432
167		-0.0045948	0.00076628	0.02374268
168		0.0045948	0.01225376	0.04135656
<b>Average</b>		-0.0040845	0.00650986	0.0260396
<b>MAX</b>		0.0045948	0.01914644	0.04135656
<b>MIN</b>		-0.0176144	-0.0038295	0.01531744
<b>STD_dev</b>		0.00789474	0.00927603	0.01088491

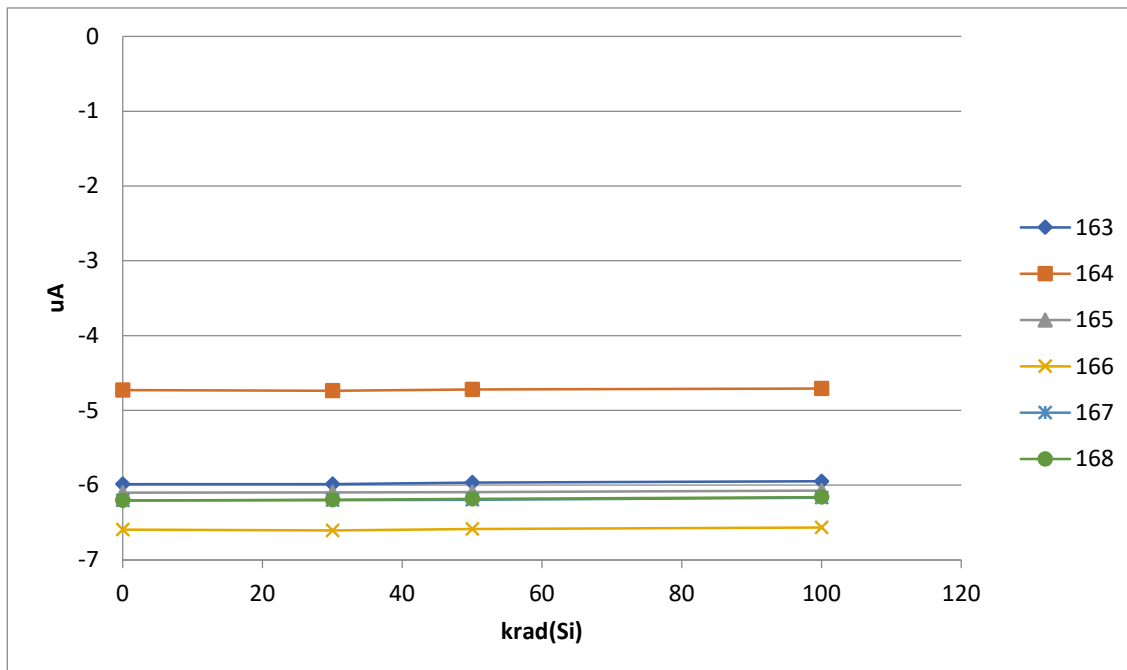


180012 IIL/PINMODE0/2.400////////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-5.9862552	-5.9847255	-5.963316	-5.9472589
164	-4.7269163	-4.7376213	-4.7215638	-4.7078004
165	-6.0994191	-6.0955963	-6.0940671	-6.0718927
166	-6.5956616	-6.6048369	-6.5841923	-6.5658412
167	-6.2041731	-6.1995854	-6.1949978	-6.1667066
168	-6.2041731	-6.1942334	-6.1835284	-6.1598248
<b>Average</b>	-5.9694331	-5.9694331	-5.9569442	-5.9365541
<b>MAX</b>	-4.7269163	-4.7376213	-4.7215638	-4.7078004
<b>MIN</b>	-6.5956616	-6.6048369	-6.5841923	-6.5658412
<b>STD_dev</b>	0.642401	0.63886691	0.63975903	0.63672428

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00152969	0.0229392	0.03899622
164		-0.010705	0.0053525	0.01911593
165		0.0038228	0.00535202	0.02752638
166		-0.0091753	0.01146936	0.02982044
167		0.00458765	0.0091753	0.03746653
168		0.00993967	0.02064466	0.04434824
<b>Average</b>		-7.967E-08	0.01248884	0.03287896
<b>MAX</b>		0.00993967	0.0229392	0.04434824
<b>MIN</b>		-0.010705	0.00535202	0.01911593
<b>STD_dev</b>		0.00819244	0.00761063	0.00913714

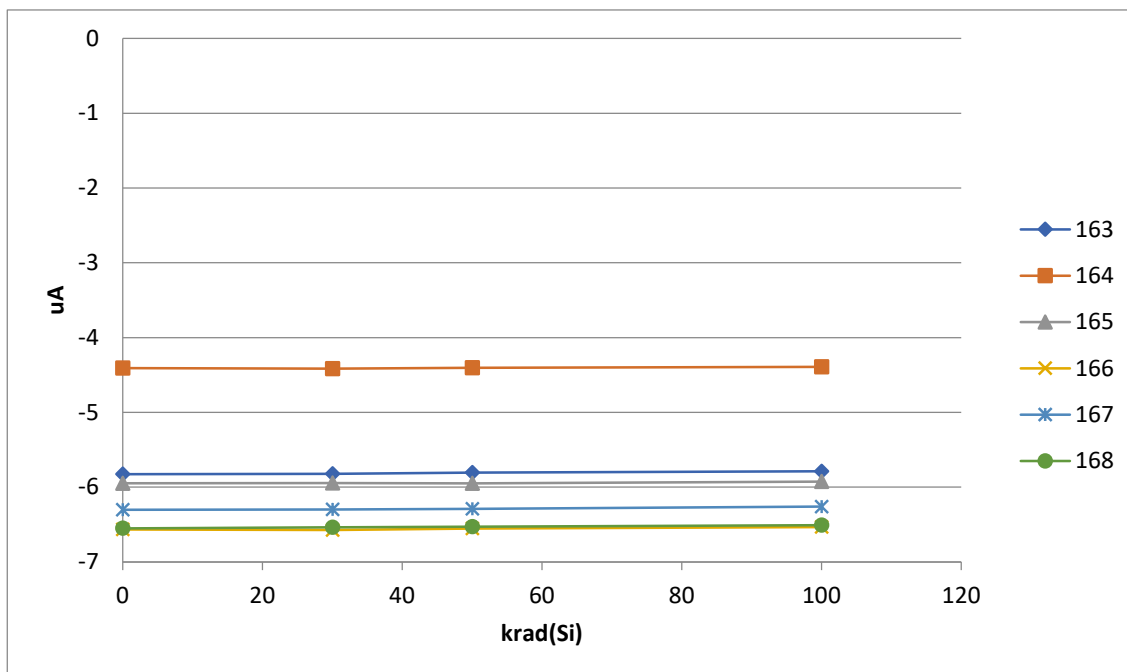


180013 IIL/PINMODE1/2.400////////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-5.8260546	-5.8214731	-5.8031483	-5.7871137
164	-4.4089208	-4.4150286	-4.4058666	-4.3913593
165	-5.9474573	-5.945931	-5.9466944	-5.9253149
166	-6.5636363	-6.5720353	-6.5537095	-6.5330944
167	-6.3017411	-6.297924	-6.2879972	-6.2589831
168	-6.5506554	-6.5376759	-6.528513	-6.5078974
<b>Average</b>	-5.9330776	-5.931678	-5.9209882	-5.9006271
<b>MAX</b>	-4.4089208	-4.4150286	-4.4058666	-4.3913593
<b>MIN</b>	-6.5636363	-6.5720353	-6.5537095	-6.5330944
<b>STD_dev</b>	0.80618039	0.8029945	0.80178035	0.79857312

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00458145	0.0229063	0.03894091
164		-0.0061078	0.00305414	0.01756144
165		0.00152636	0.00076294	0.02214241
166		-0.008399	0.0099268	0.0305419
167		0.00381708	0.01374388	0.04275799
168		0.01297951	0.02214241	0.04275799
<b>Average</b>		0.0013996	0.01208941	0.03245044
<b>MAX</b>		0.01297951	0.0229063	0.04275799
<b>MIN</b>		-0.008399	0.00076294	0.01756144
<b>STD_dev</b>		0.00777757	0.00933174	0.01082772

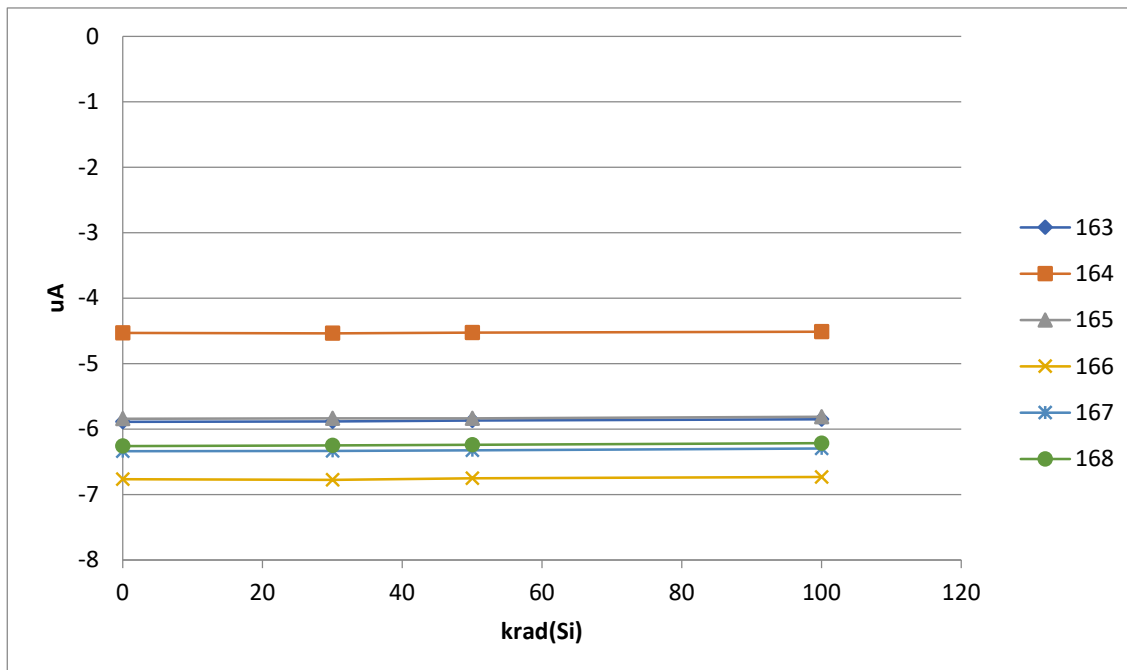


180014 IIL/PINMODE2/2.400////////0.000V/OEVHXF\_1/

Limit\_Min -22.440001 Limit\_Max -1.96 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-5.8889251	-5.8843384	-5.8675203	-5.8499379
164	-4.5297189	-4.5373635	-4.5243678	-4.5121365
165	-5.8422928	-5.8369417	-5.8377066	-5.8117146
166	-6.7657585	-6.7756963	-6.7527628	-6.7313576
167	-6.3376617	-6.3338399	-6.3239017	-6.2963815
168	-6.2596874	-6.2474561	-6.2398114	-6.2145844
<b>Average</b>	-5.9373407	-5.9359393	-5.9243451	-5.9026854
<b>MAX</b>	-4.5297189	-4.5373635	-4.5243678	-4.5121365
<b>MIN</b>	-6.7657585	-6.7756963	-6.7527628	-6.7313576
<b>STD_dev</b>	0.7672311	0.76538052	0.76368999	0.75942866

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.0045867	0.02140474	0.03898716
164		-0.0076447	0.00535107	0.01758242
165		0.00535107	0.00458622	0.03057814
166		-0.0099378	0.01299572	0.03440094
167		0.00382185	0.01376009	0.04128027
168		0.01223135	0.019876	0.04510307
<b>Average</b>		0.00140142	0.01299564	0.03465533
<b>MAX</b>		0.01223135	0.02140474	0.04510307
<b>MIN</b>		-0.0099378	0.00458622	0.01758242
<b>STD_dev</b>		0.00847703	0.00703981	0.00979778

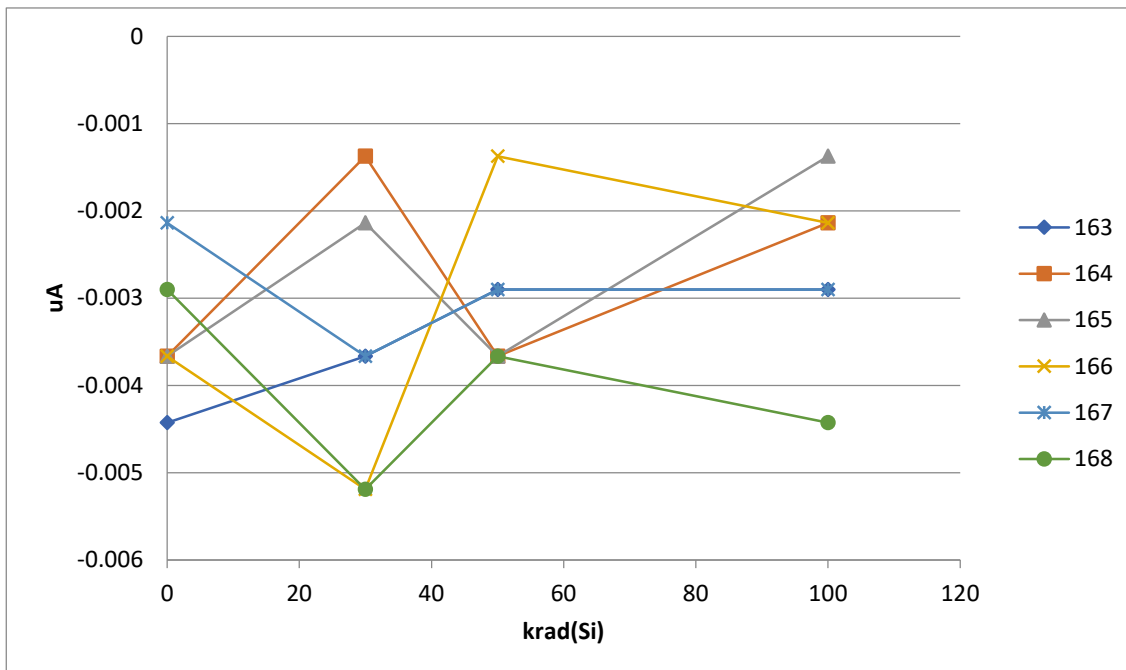


180015 IIL/PINMODE3/2.400/////////0.000V/OEVHXF\_1/

Limit\_Min -0.102 Limit\_Max 0.102 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-0.0044272	-0.0036639	-0.0029006	-0.0029006
164	-0.0036639	-0.001374	-0.0036639	-0.0021373
165	-0.0036639	-0.0021373	-0.0036639	-0.001374
166	-0.0036639	-0.0051905	-0.001374	-0.0021373
167	-0.0021373	-0.0036639	-0.0029006	-0.0029006
168	-0.0029006	-0.0051905	-0.0036639	-0.0044272
<b>Average</b>	-0.0034095	-0.0035367	-0.0030278	-0.0026461
<b>MAX</b>	-0.0021373	-0.001374	-0.001374	-0.001374
<b>MIN</b>	-0.0044272	-0.0051905	-0.0036639	-0.0044272
<b>STD_dev</b>	0.00078834	0.0015581	0.00089235	0.00104288

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.00076331	0.00152662	0.00152662
164		0.00228993	0	0.00152662
165		0.00152662	0	0.00228993
166		-0.0015266	0.00228993	0.00152662
167		-0.0015266	-0.0007633	-0.0007633
168		-0.0022899	-0.0007633	-0.0015266
<b>Average</b>		-0.0001272	0.00038166	0.00076331
<b>MAX</b>		0.00228993	0.00228993	0.00228993
<b>MIN</b>		-0.0022899	-0.0007633	-0.0015266
<b>STD_dev</b>		0.00189551	0.00125425	0.00152662

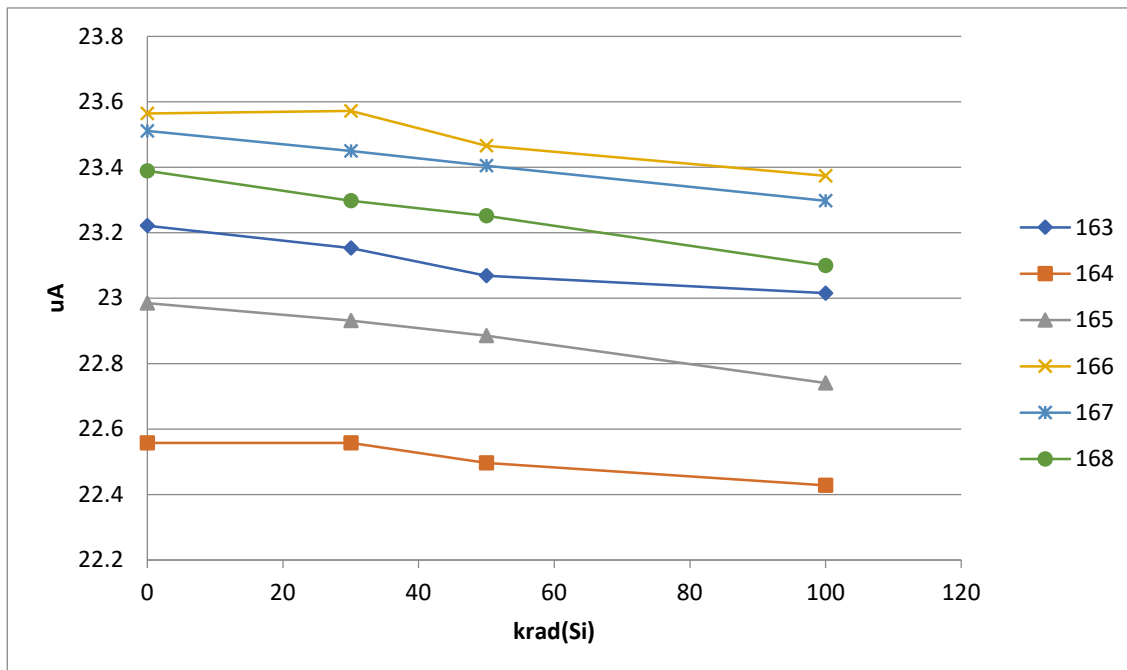


180016 IHH/SCK/2.400/////2.400V/OEOZXP\_2/

Limit\_Min 9.80000004 Limit\_Max 30.6000002 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	23.2213841	23.1527367	23.0688362	23.0154438
164	22.557806	22.557806	22.496788	22.4281406
165	22.9849358	22.9315453	22.8857803	22.7408619
166	23.5646114	23.5722408	23.465456	23.37393
167	23.5112209	23.4502029	23.404438	23.297657
168	23.389185	23.297657	23.2518921	23.0993462
<b>Average</b>	23.2048572	23.1603648	23.0955318	22.9925632
<b>MAX</b>	23.5646114	23.5722408	23.465456	23.37393
<b>MIN</b>	22.557806	22.557806	22.496788	22.4281406
<b>STD_dev</b>	0.38067634	0.37094226	0.36329546	0.35563334

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0686474	-0.1525478	-0.2059403
164		0	-0.061018	-0.1296654
165		-0.0533905	-0.0991554	-0.2440739
166		0.00762939	-0.0991554	-0.1906815
167		-0.061018	-0.1067829	-0.2135639
168		-0.0915279	-0.1372929	-0.2898388
<b>Average</b>		-0.0444924	-0.1093254	-0.2122939
<b>MAX</b>		0.00762939	-0.061018	-0.1296654
<b>MIN</b>		-0.0915279	-0.1525478	-0.2898388
<b>STD_dev</b>		0.03960892	0.03224061	0.05359054

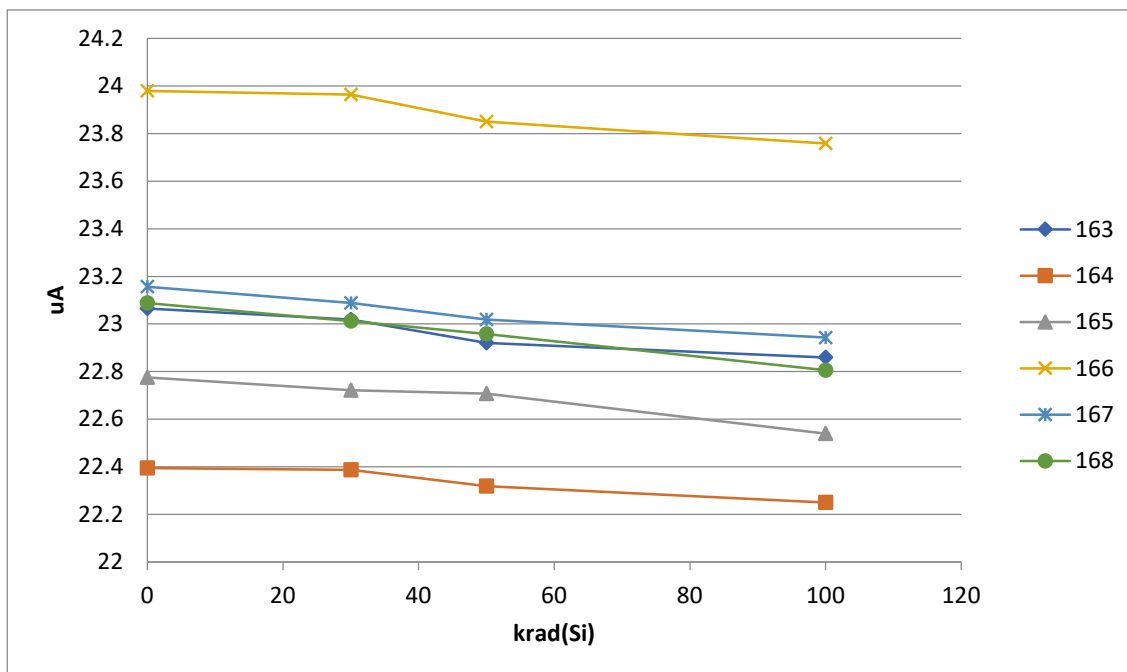


180017 IIH/SDI/2.400/////2.400V/OEOZXP\_2/

Limit\_Min 9.8000004 Limit\_Max 30.6000002 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	23.0650139	23.0193024	22.9202614	22.8593102
164	22.3945847	22.3869667	22.3183994	22.2498322
165	22.7755089	22.7221794	22.7069416	22.5393353
166	23.9792309	23.963995	23.8497181	23.7582951
167	23.1564331	23.0878677	23.0193024	22.9431171
168	23.0878677	23.0116844	22.958353	22.8059826
<b>Average</b>	23.0764399	23.0319993	22.9621627	22.8593121
<b>MAX</b>	23.9792309	23.963995	23.8497181	23.7582951
<b>MIN</b>	22.3945847	22.3869667	22.3183994	22.2498322
<b>STD_dev</b>	0.52481952	0.52618752	0.50445192	0.5083087

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0457115	-0.1447525	-0.2057037
164		-0.007618	-0.0761852	-0.1447525
165		-0.0533295	-0.0685673	-0.2361736
166		-0.0152359	-0.1295128	-0.2209358
167		-0.0685654	-0.1371307	-0.213316
168		-0.0761833	-0.1295147	-0.2818852
<b>Average</b>		-0.0444406	-0.1142772	-0.2171278
<b>MAX</b>		-0.007618	-0.0685673	-0.1447525
<b>MIN</b>		-0.0761833	-0.1447525	-0.2818852
<b>STD_dev</b>		0.02785338	0.0330325	0.04461835

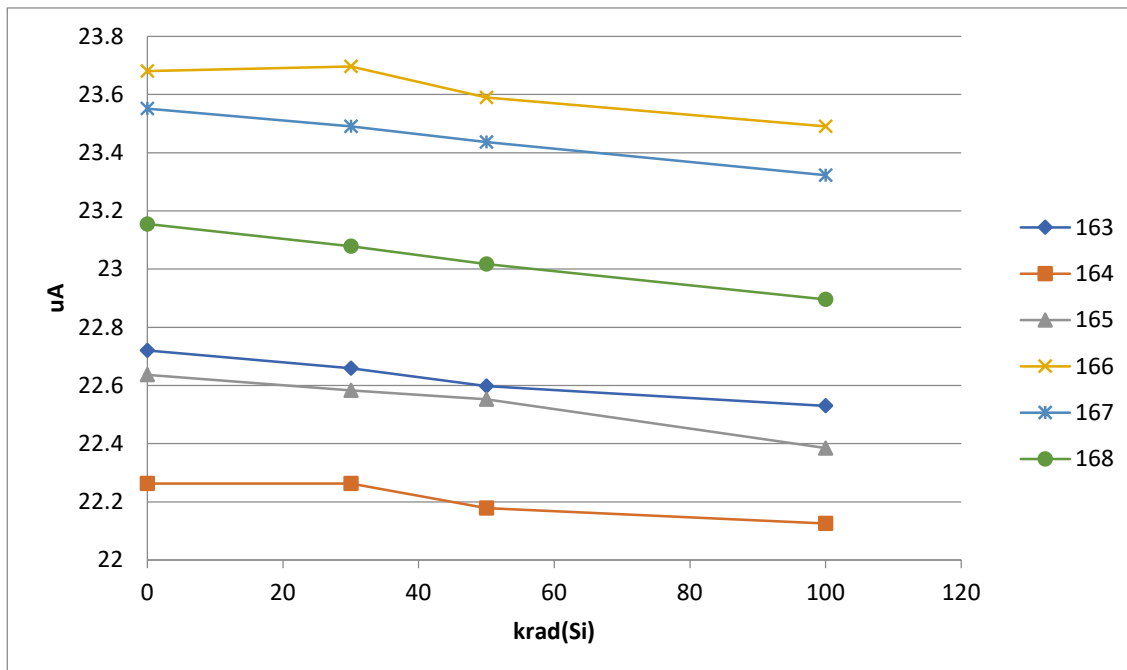


180018 IIH/CSB/2.400/////2.400V/OEOZXP\_2/

Limit\_Min 9.80000004 Limit\_Max 30.6000002 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	22.7203846	22.6593742	22.5983639	22.529726
164	22.262804	22.262804	22.178915	22.1255302
165	22.6364956	22.5831127	22.5526047	22.3848248
166	23.6813049	23.6965561	23.5897884	23.4906464
167	23.5516567	23.4906464	23.4372597	23.3228684
168	23.1550884	23.0788231	23.0178127	22.895792
<b>Average</b>	23.0012891	22.9618861	22.8957907	22.7915646
<b>MAX</b>	23.6813049	23.6965561	23.5897884	23.4906464
<b>MIN</b>	22.262804	22.262804	22.178915	22.1255302
<b>STD_dev</b>	0.55611548	0.55797851	0.54951997	0.54027046

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0610104	-0.1220207	-0.1906586
164		0	-0.083889	-0.1372738
165		-0.0533829	-0.0838909	-0.2516708
166		0.01525116	-0.0915165	-0.1906586
167		-0.0610104	-0.1143971	-0.2287884
168		-0.0762653	-0.1372757	-0.2592964
<b>Average</b>		-0.039403	-0.1054983	-0.2097244
<b>MAX</b>		0.01525116	-0.083889	-0.1372738
<b>MIN</b>		-0.0762653	-0.1372757	-0.2592964
<b>STD_dev</b>		0.03749053	0.0223218	0.04594872



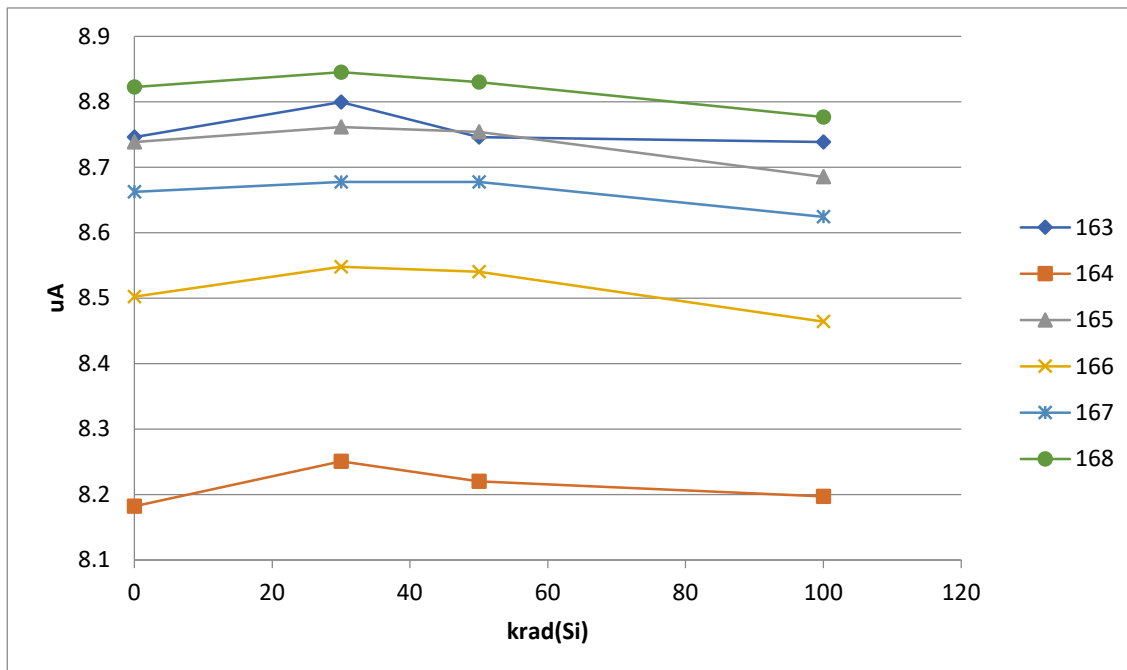


180019 IIH/OE0/2.400////////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.74624634	8.79960918	8.74624634	8.73862362
164	8.18212032	8.25072956	8.22023678	8.19736671
165	8.73862362	8.76149368	8.75387001	8.68525982
166	8.50230026	8.54803944	8.54041672	8.46418381
167	8.66238976	8.6776371	8.6776371	8.6242733
168	8.82247925	8.84535027	8.83010387	8.77673912
<b>Average</b>	8.60902659	8.64714321	8.62808514	8.5810744
<b>MAX</b>	8.82247925	8.84535027	8.83010387	8.77673912
<b>MIN</b>	8.18212032	8.25072956	8.22023678	8.19736671
<b>STD_dev</b>	0.23565814	0.2206822	0.22229571	0.21758777

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.05336285	0	-0.0076227
164		0.06860924	0.03811646	0.01524639
165		0.02287006	0.01524639	-0.0533638
166		0.04573917	0.03811646	-0.0381165
167		0.01524735	0.01524735	-0.0381165
168		0.02287102	0.00762463	-0.0457401
<b>Average</b>		0.03811661	0.01905855	-0.0279522
<b>MAX</b>		0.06860924	0.03811646	0.01524639
<b>MIN</b>		0.01524735	0	-0.0533638
<b>STD_dev</b>		0.02101542	0.01580777	0.02626096

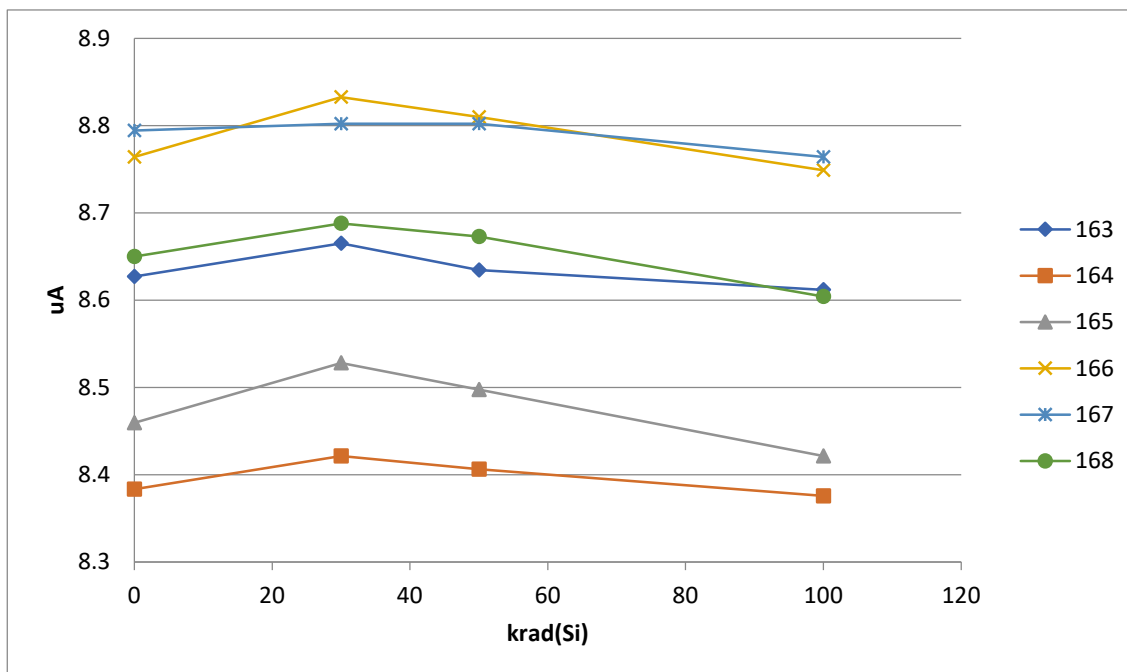


180020 IIH/OE1/2.400////////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.62705135	8.66512585	8.63466549	8.61182118
164	8.3833704	8.42144489	8.40621567	8.37575626
165	8.45952129	8.52805615	8.49759674	8.42144489
166	8.76412201	8.83265591	8.80981159	8.74889183
167	8.79458046	8.80219746	8.80219746	8.76412201
168	8.64989662	8.68797207	8.67274094	8.60420609
<b>Average</b>	8.61309036	8.65624205	8.63720465	8.58770704
<b>MAX</b>	8.79458046	8.83265591	8.80981159	8.76412201
<b>MIN</b>	8.3833704	8.42144489	8.40621567	8.37575626
<b>STD_dev</b>	0.16349529	0.15815934	0.16194526	0.16156901

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.03807449	0.00761414	-0.0152302
164		0.03807449	0.02284527	-0.0076141
165		0.06853485	0.03807545	-0.0380764
166		0.0685339	0.04568958	-0.0152302
167		0.007617	0.007617	-0.0304585
168		0.03807545	0.02284431	-0.0456905
<b>Average</b>		0.0431517	0.02411429	-0.0253833
<b>MAX</b>		0.06853485	0.04568958	-0.0076141
<b>MIN</b>		0.007617	0.00761414	-0.0456905
<b>STD_dev</b>		0.02292858	0.01554378	0.01497445

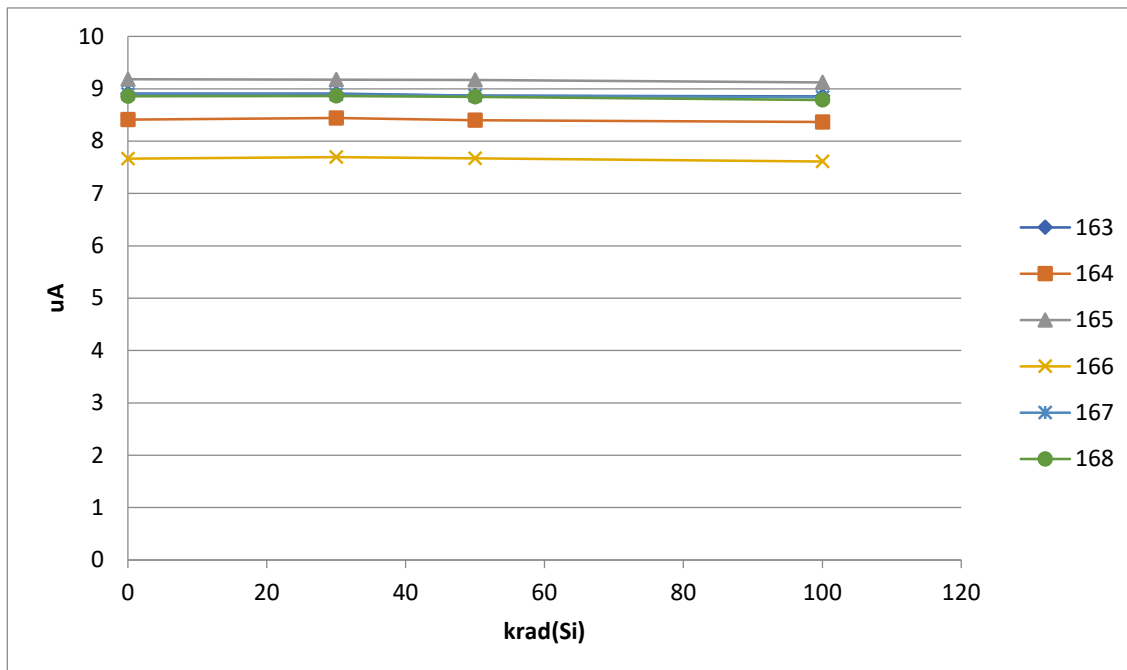


180021 IH/OE2/2.400////////2.400V/OECL2E\_1/

Limit\_Min 2.9400006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.90705586	8.90705586	8.86891651	8.85365963
164	8.41124439	8.4417553	8.39598846	8.36547661
165	9.18165779	9.17403126	9.16640282	9.12063599
166	7.66371346	7.69422531	7.67134142	7.61031914
167	8.89942741	8.89179993	8.86891651	8.83840466
168	8.85365963	8.86128902	8.8460331	8.78501034
<b>Average</b>	8.65279309	8.66169278	8.63626647	8.59558439
<b>MAX</b>	9.18165779	9.17403126	9.16640282	9.12063599
<b>MIN</b>	7.66371346	7.69422531	7.67134142	7.61031914
<b>STD_dev</b>	0.54445341	0.52912144	0.53331277	0.54052254

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0	-0.0381393	-0.0533962
164		0.0305109	-0.0152559	-0.0457678
165		-0.0076265	-0.015255	-0.0610218
166		0.03051186	0.00762796	-0.0533943
167		-0.0076275	-0.0305109	-0.0610228
168		0.00762939	-0.0076265	-0.0686493
<b>Average</b>		0.00889969	-0.0165266	-0.0572087
<b>MAX</b>		0.03051186	0.00762796	-0.0457678
<b>MIN</b>		-0.0076275	-0.0381393	-0.0686493
<b>STD_dev</b>		0.01767038	0.01630066	0.00799941

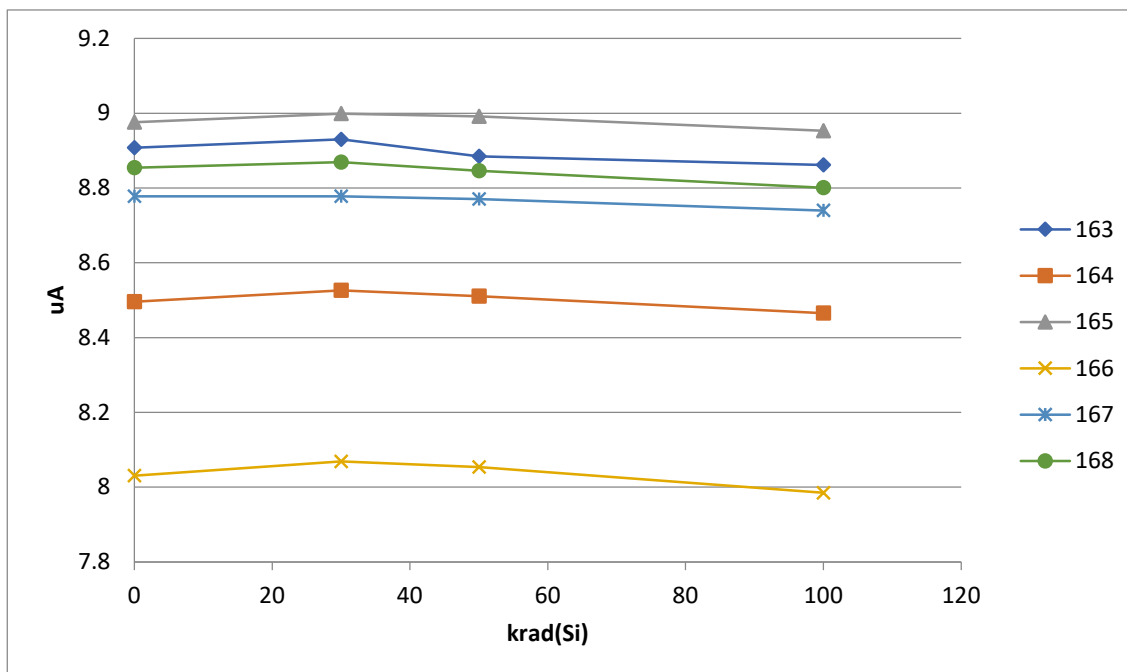


180022 IHH/OE3/2.400////////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.90726852	8.93013096	8.88440609	8.86154366
164	8.49574184	8.52622509	8.51098442	8.4652586
165	8.97585678	8.99871922	8.9910984	8.95299435
166	8.03086948	8.06897354	8.05373192	7.98514414
167	8.77771473	8.77771473	8.77009296	8.73960972
168	8.85392284	8.86916447	8.84630203	8.80057716
<b>Average</b>	8.67356237	8.69515467	8.67610264	8.63418794
<b>MAX</b>	8.97585678	8.99871922	8.9910984	8.95299435
<b>MIN</b>	8.03086948	8.06897354	8.05373192	7.98514414
<b>STD_dev</b>	0.35610458	0.34787954	0.34497073	0.35830776

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.02286244	-0.0228624	-0.0457249
164		0.03048325	0.01524258	-0.0304832
165		0.02286243	0.01524162	-0.0228624
166		0.03810406	0.02286243	-0.0457253
167		0	-0.0076218	-0.038105
168		0.01524162	-0.0076208	-0.0533457
<b>Average</b>		0.0215923	0.00254027	-0.0393744
<b>MAX</b>		0.03810406	0.02286243	-0.0228624
<b>MIN</b>		0	-0.0228624	-0.0533457
<b>STD_dev</b>		0.0131261	0.01781839	0.01121756

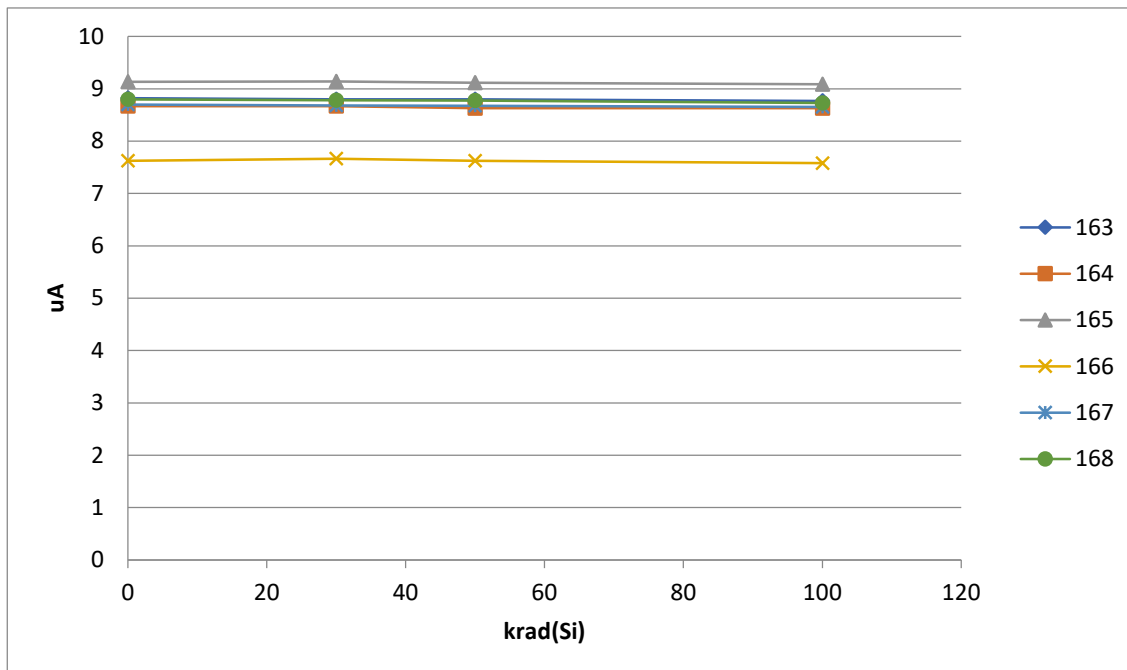


180023 IIH/MUXSEL0/2.400////////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.8196764	8.79685783	8.79685783	8.76643086
164	8.66754723	8.66754723	8.62951565	8.62951565
165	9.1315403	9.13914776	9.11632824	9.08590317
166	7.62546492	7.66349697	7.62546492	7.57982636
167	8.69797421	8.68276024	8.67515469	8.65233517
168	8.79685783	8.78164387	8.77403832	8.72839928
<b>Average</b>	8.62317681	8.62190898	8.60289327	8.57373508
<b>MAX</b>	9.1315403	9.13914776	9.11632824	9.08590317
<b>MIN</b>	7.62546492	7.66349697	7.62546492	7.57982636
<b>STD_dev</b>	0.51579124	0.49959936	0.50829617	0.5139091

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0228186	-0.0228186	-0.0532455
164		0	-0.0380316	-0.0380316
165		0.00760746	-0.0152121	-0.0456371
166		0.03803205	0	-0.0456386
167		-0.015214	-0.0228195	-0.045639
168		-0.015214	-0.0228195	-0.0684586
<b>Average</b>		-0.0012678	-0.0202835	-0.0494417
<b>MAX</b>		0.03803205	0	-0.0380316
<b>MIN</b>		-0.0228186	-0.0380316	-0.0684586
<b>STD_dev</b>		0.02226335	0.01242114	0.01048523

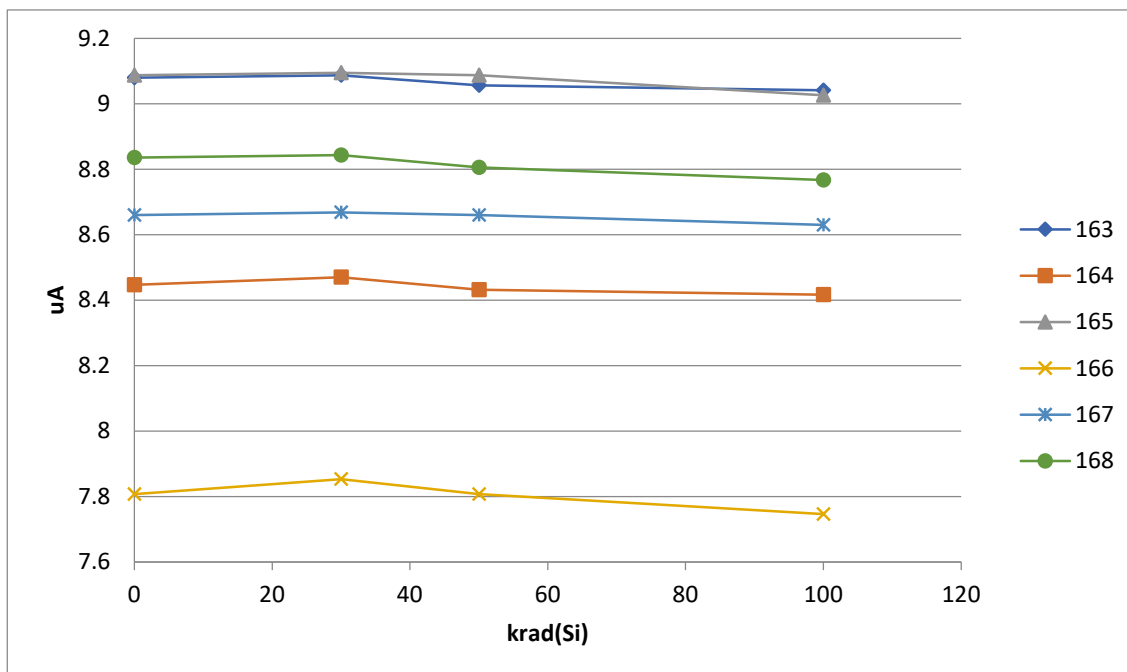


180024 I1H/MUXSEL1/2.400////////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	9.07952786	9.08714485	9.05667496	9.04144001
164	8.44725895	8.4701128	8.432024	8.41678906
165	9.08714485	9.09476376	9.08714485	9.02620411
166	7.80737257	7.85307932	7.80737257	7.74643087
167	8.66055393	8.66817188	8.66055393	8.63008308
168	8.83576107	8.84337902	8.80529118	8.76720238
<b>Average</b>	8.65293654	8.66944194	8.64151025	8.60469158
<b>MAX</b>	9.08714485	9.09476376	9.08714485	9.04144001
<b>MIN</b>	7.80737257	7.85307932	7.80737257	7.74643087
<b>STD_dev</b>	0.48192978	0.46729223	0.47703437	0.48319671

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.007617	-0.0228529	-0.0380878
164		0.02285385	-0.0152349	-0.0304699
165		0.0076189	0	-0.0609407
166		0.04570675	0	-0.0609417
167		0.00761795	0	-0.0304708
168		0.00761795	-0.0304699	-0.0685587
<b>Average</b>		0.0165054	-0.0114263	-0.048245
<b>MAX</b>		0.04570675	0	-0.0304699
<b>MIN</b>		0.007617	-0.0304699	-0.0685587
<b>STD_dev</b>		0.01554972	0.01341203	0.01714688

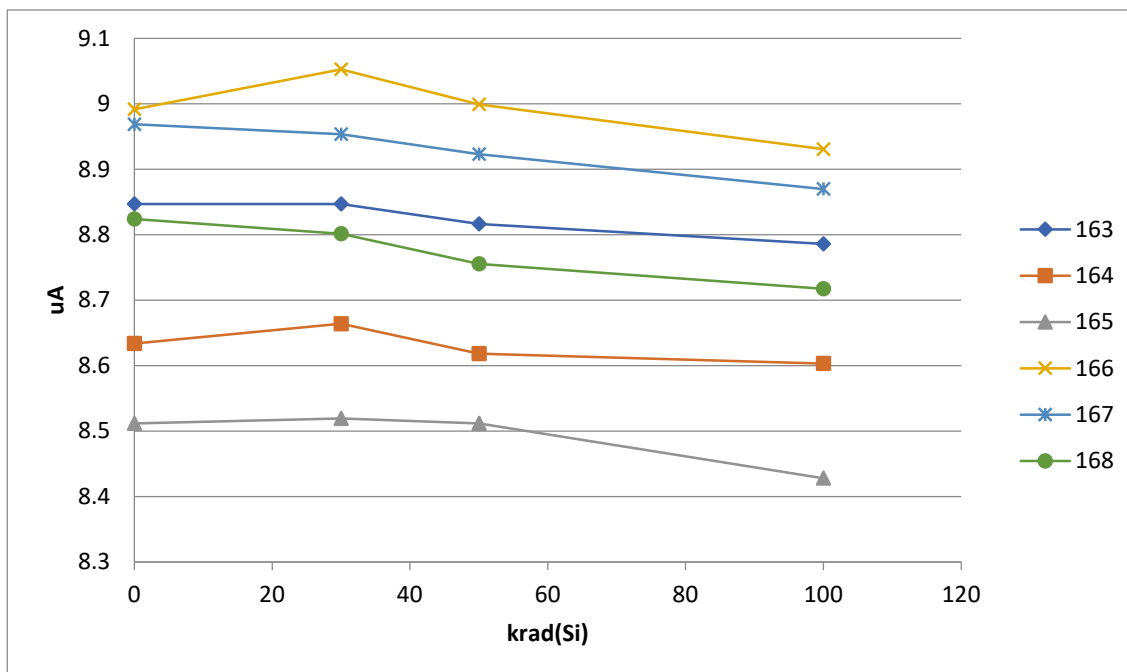


180025 IIH/DIVSEL0/2.400/////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.84692955	8.84692955	8.81645393	8.78597927
164	8.6336031	8.66407871	8.61836624	8.60312843
165	8.51170254	8.51932144	8.51170254	8.4278965
166	8.99168682	9.05263615	8.99930477	8.93073559
167	8.96883011	8.9535923	8.92311668	8.86978626
168	8.82407284	8.80121708	8.75550461	8.71741009
<b>Average</b>	8.79613749	8.80629587	8.77074146	8.72248936
<b>MAX</b>	8.99168682	9.05263615	8.99930477	8.93073559
<b>MIN</b>	8.51170254	8.51932144	8.51170254	8.4278965
<b>STD_dev</b>	0.18907309	0.19320285	0.18335788	0.1844731

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0	-0.0304756	-0.0609503
164		0.03047562	-0.0152369	-0.0304747
165		0.0076189	0	-0.083806
166		0.06094933	0.00761795	-0.0609512
167		-0.0152378	-0.0457134	-0.0990438
168		-0.0228558	-0.0685682	-0.1066628
<b>Average</b>		0.01015838	-0.025396	-0.0736481
<b>MAX</b>		0.06094933	0.00761795	-0.0304747
<b>MIN</b>		-0.0228558	-0.0685682	-0.1066628
<b>STD_dev</b>		0.03110322	0.02877682	0.02837071

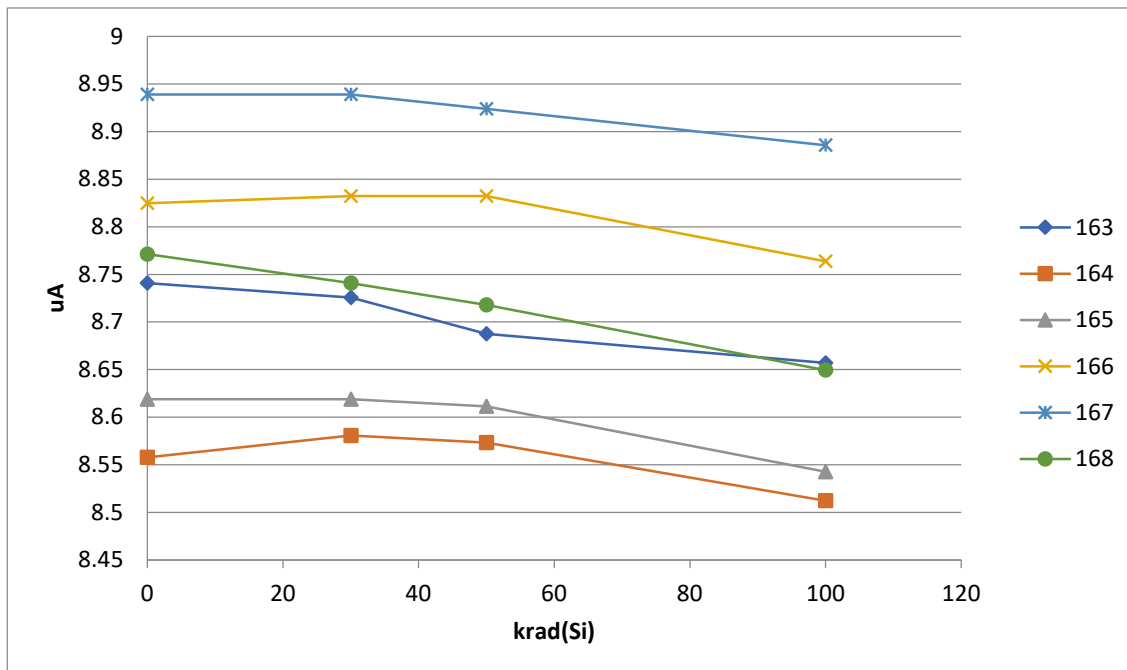


180026 IIH/DIVSEL1/2.400/////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.7408371	8.72559547	8.68749237	8.65701008
164	8.55794239	8.58080292	8.57318401	8.51221848
165	8.61890698	8.61890698	8.61128712	8.54270077
166	8.82466316	8.83228397	8.83228397	8.76369858
167	8.93897247	8.93897247	8.9237318	8.8856287
168	8.77131939	8.7408371	8.71797466	8.64938927
<b>Average</b>	8.74210691	8.73956649	8.72432566	8.66844098
<b>MAX</b>	8.93897247	8.93897247	8.9237318	8.8856287
<b>MIN</b>	8.55794239	8.58080292	8.57318401	8.51221848
<b>STD_dev</b>	0.1382182	0.13290649	0.13299349	0.13925101

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0152416	-0.0533447	-0.083827
164		0.02286053	0.01524162	-0.0457239
165		0	-0.0076199	-0.0762062
166		0.00762081	0.00762081	-0.0609646
167		0	-0.0152407	-0.0533438
168		-0.0304823	-0.0533447	-0.1219301
<b>Average</b>		-0.0025404	-0.0177813	-0.0736659
<b>MAX</b>		0.02286053	0.01524162	-0.0457239
<b>MIN</b>		-0.0304823	-0.0533447	-0.1219301
<b>STD_dev</b>		0.01845771	0.02958042	0.02754706



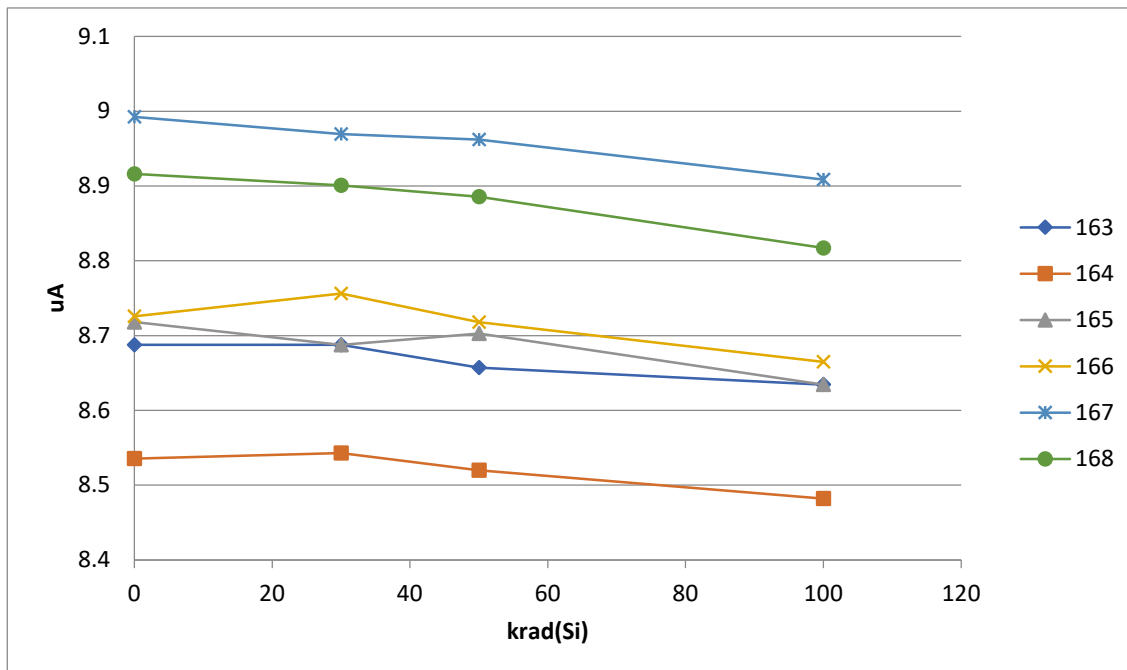


180027 IIH/DIVSEL2/2.400/////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.68769264	8.68769264	8.65722656	8.63437557
164	8.53535748	8.54297352	8.52012348	8.48204041
165	8.71815968	8.68769264	8.70292568	8.63437557
166	8.72577667	8.75624275	8.71815968	8.66484261
167	8.99236298	8.96951294	8.96189594	8.90857983
168	8.91619587	8.90096188	8.88572884	8.81717777
<b>Average</b>	8.76259089	8.75751273	8.74101003	8.69023196
<b>MAX</b>	8.99236298	8.96951294	8.96189594	8.90857983
<b>MIN</b>	8.53535748	8.54297352	8.52012348	8.48204041
<b>STD_dev</b>	0.16550764	0.1557563	0.15969797	0.15100943

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0	-0.0304661	-0.0533171
164		0.00761604	-0.015234	-0.0533171
165		-0.030467	-0.015234	-0.0837841
166		0.03046608	-0.007617	-0.0609341
167		-0.02285	-0.030467	-0.0837832
168		-0.015234	-0.030467	-0.0990181
<b>Average</b>		-0.0050782	-0.0215809	-0.0723589
<b>MAX</b>		0.03046608	-0.007617	-0.0533171
<b>MIN</b>		-0.030467	-0.030467	-0.0990181
<b>STD_dev</b>		0.02242275	0.01012354	0.0191179

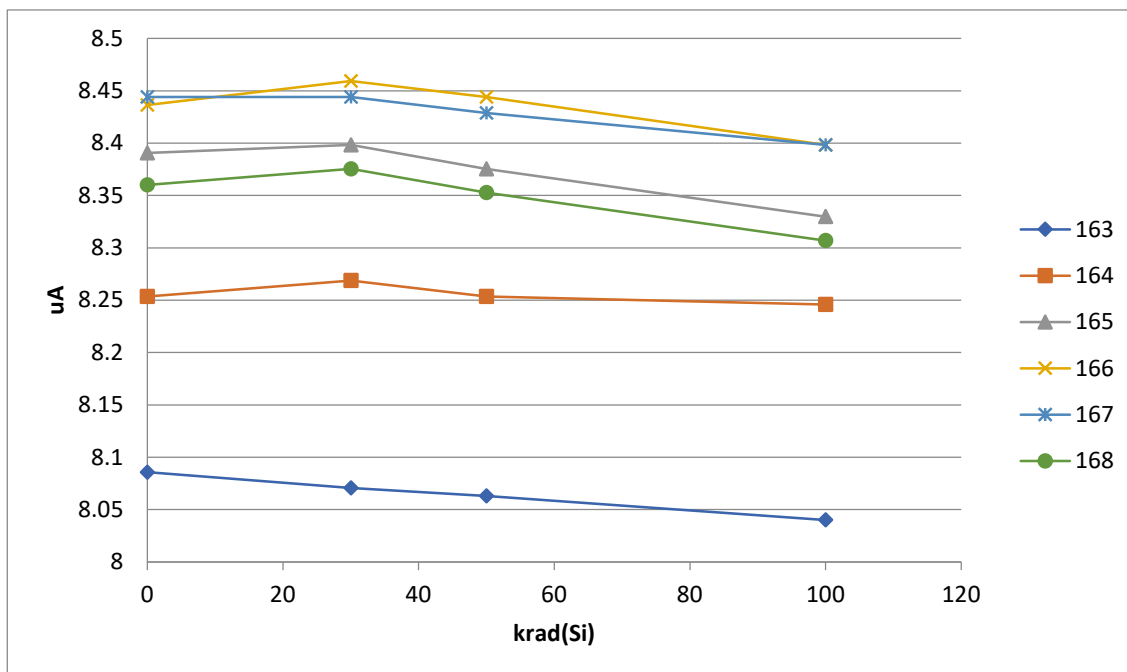


180028 IH/PINMODE0/2.400/////2.400V/OECL2E\_1/

Limit\_Min 2.9400006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.08579826	8.07055283	8.06293106	8.0400629
164	8.25348854	8.26873493	8.25348854	8.24586773
165	8.39069176	8.39831448	8.37544727	8.32971287
166	8.43642616	8.45929432	8.44404888	8.39831448
167	8.44404888	8.44404888	8.4288044	8.39831448
168	8.36020279	8.37544727	8.35258007	8.30684662
<b>Average</b>	8.32844273	8.33606545	8.31955004	8.28651985
<b>MAX</b>	8.44404888	8.45929432	8.44404888	8.39831448
<b>MIN</b>	8.08579826	8.07055283	8.06293106	8.0400629
<b>STD_dev</b>	0.13740692	0.14649368	0.14273709	0.13391677

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0152454	-0.0228672	-0.0457354
164		0.01524639	0	-0.0076208
165		0.00762272	-0.0152445	-0.0609789
166		0.02286816	0.00762272	-0.0381117
167		0	-0.0152445	-0.0457344
168		0.01524448	-0.0076227	-0.0533562
<b>Average</b>		0.00762272	-0.0088927	-0.0419229
<b>MAX</b>		0.02286816	0.00762272	-0.0076208
<b>MIN</b>		-0.0152454	-0.0228672	-0.0609789
<b>STD_dev</b>		0.01363593	0.01121988	0.01851524

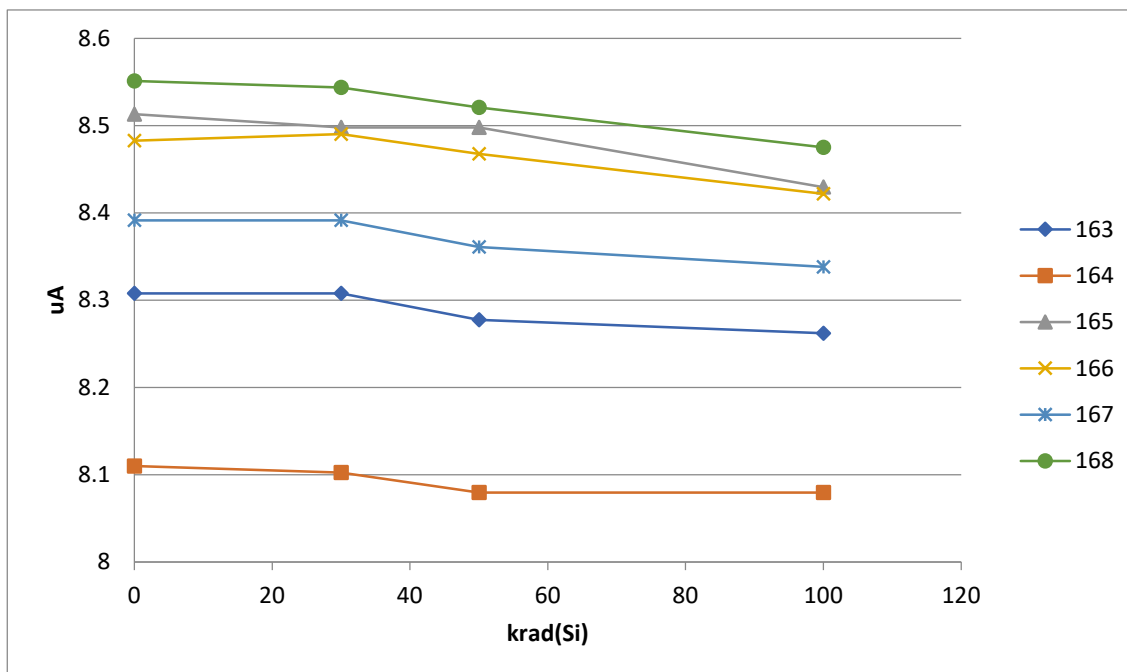


180029 IIH/PINMODE1/2.400/////2.400V/OECL2E\_1/

Limit\_Min 2.94000006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.30777931	8.30777931	8.27734947	8.26213551
164	8.10999203	8.10238552	8.07956314	8.07956314
165	8.5131712	8.49795723	8.49795723	8.42949295
166	8.48274326	8.49035072	8.46752834	8.42188644
167	8.39145756	8.39145756	8.36102867	8.33820725
168	8.55120754	8.54360104	8.52077961	8.47513676
<b>Average</b>	8.39272515	8.3889219	8.36736774	8.33440367
<b>MAX</b>	8.55120754	8.54360104	8.52077961	8.47513676
<b>MIN</b>	8.10999203	8.10238552	8.07956314	8.07956314
<b>STD_dev</b>	0.1642453	0.16419244	0.16828305	0.14606975

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0	-0.0304298	-0.0456438
164		-0.0076065	-0.0304289	-0.0304289
165		-0.015214	-0.015214	-0.0836782
166		0.00760746	-0.0152149	-0.0608568
167		0	-0.0304289	-0.0532503
168		-0.0076065	-0.0304279	-0.0760708
<b>Average</b>		-0.0038033	-0.0253574	-0.0583215
<b>MAX</b>		0.00760746	-0.015214	-0.0304289
<b>MIN</b>		-0.015214	-0.0304298	-0.0836782
<b>STD_dev</b>		0.00797832	0.0078567	0.01964112

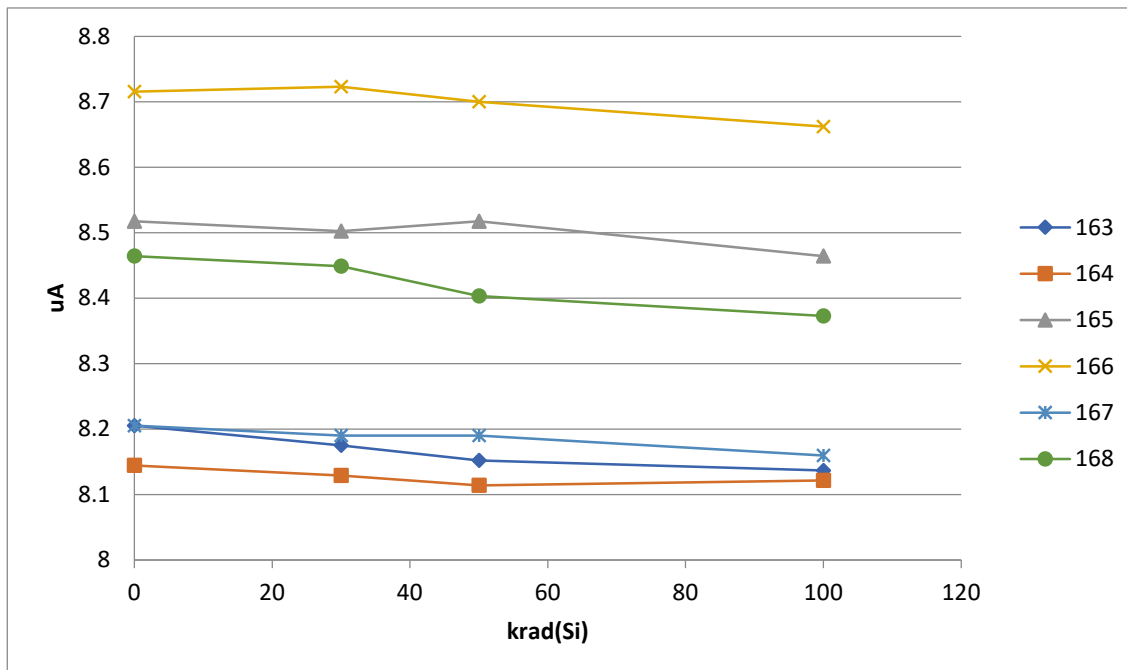


180030 IIH/PINMODE2/2.400/////2.400V/OECL2E\_1/

Limit\_Min 2.9400006 Limit\_Max 15.3000001 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	8.20533562	8.17487812	8.15203476	8.13680649
164	8.14442062	8.1291914	8.11396217	8.12157726
165	8.51752853	8.50229931	8.51752853	8.46422768
166	8.71550465	8.72311878	8.70027542	8.66220379
167	8.20533562	8.19010735	8.19010735	8.15964985
168	8.46422768	8.44899845	8.40331173	8.37285423
<b>Average</b>	8.37539212	8.36143223	8.34620333	8.31955322
<b>MAX</b>	8.71550465	8.72311878	8.70027542	8.66220379
<b>MIN</b>	8.14442062	8.1291914	8.11396217	8.12157726
<b>STD_dev</b>	0.22581289	0.23512507	0.2340872	0.21878805

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		-0.0304575	-0.0533009	-0.0685291
164		-0.0152292	-0.0304585	-0.0228434
165		-0.0152292	0	-0.0533009
166		0.00761414	-0.0152292	-0.0533009
167		-0.0152283	-0.0152283	-0.0456858
168		-0.0152292	-0.0609159	-0.0913734
<b>Average</b>		-0.0139599	-0.0291888	-0.0558389
<b>MAX</b>		0.00761414	0	-0.0228434
<b>MIN</b>		-0.0304575	-0.0609159	-0.0913734
<b>STD_dev</b>		0.01219879	0.0237965	0.0229278

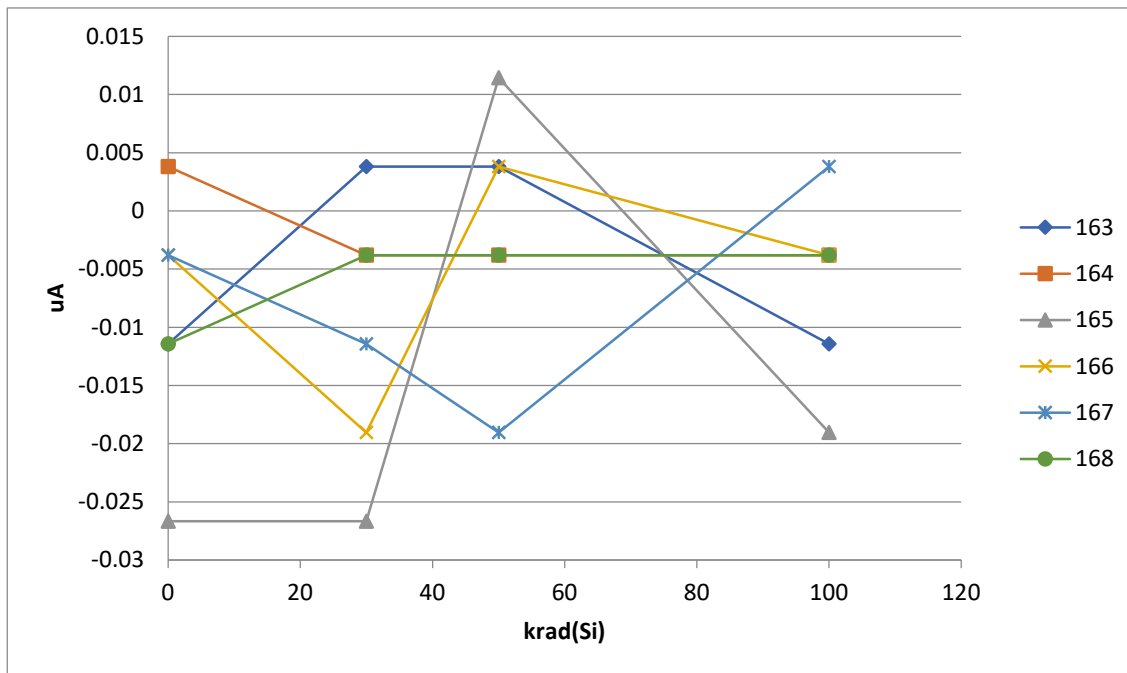


180031 IIH/PINMODE3/2.400/////2.400V/OECL2E\_1/

Limit\_Min -0.204 Limit\_Max 0.204 uA

Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163	-0.0114286	0.00380955	0.00380955	-0.0114286
164	0.00380955	-0.0038095	-0.0038095	-0.0038095
165	-0.0266668	-0.0266668	0.01142864	-0.0190477
166	-0.0038095	-0.0190477	0.00380955	-0.0038095
167	-0.0038095	-0.0114286	-0.0190477	0.00380955
168	-0.0114286	-0.0038095	-0.0038095	-0.0038095
<b>Average</b>	-0.0088889	-0.0101588	-0.0012698	-0.0063492
<b>MAX</b>	0.00380955	0.00380955	0.01142864	0.00380955
<b>MIN</b>	-0.0266668	-0.0266668	-0.0190477	-0.0190477
<b>STD_dev</b>	0.01040967	0.01121501	0.01040967	0.00786897

Delta				
Device ID	0.0 krad	30.0 krad	50.0 krad	100.0 krad
163		0.01523819	0.01523819	0
164		-0.0076191	-0.0076191	-0.0076191
165		0	0.03809548	0.0076191
166		-0.0152382	0.0076191	0
167		-0.0076191	-0.0152382	0.0076191
168		0.0076191	0.0076191	0.0076191
<b>Average</b>		-0.0012698	0.0076191	0.0025397
<b>MAX</b>		0.01523819	0.03809548	0.0076191
<b>MIN</b>		-0.0152382	-0.0152382	-0.0076191
<b>STD_dev</b>		0.01121501	0.0186629	0.00622097



## IMPORTANT NOTICE AND DISCLAIMER

TI PROVIDES TECHNICAL AND RELIABILITY DATA (INCLUDING DATA SHEETS), DESIGN RESOURCES (INCLUDING REFERENCE DESIGNS), APPLICATION OR OTHER DESIGN ADVICE, WEB TOOLS, SAFETY INFORMATION, AND OTHER RESOURCES "AS IS" AND WITH ALL FAULTS, AND DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS.

These resources are intended for skilled developers designing with TI products. You are solely responsible for (1) selecting the appropriate TI products for your application, (2) designing, validating and testing your application, and (3) ensuring your application meets applicable standards, and any other safety, security, regulatory or other requirements.

These resources are subject to change without notice. TI grants you permission to use these resources only for development of an application that uses the TI products described in the resource. Other reproduction and display of these resources is prohibited. No license is granted to any other TI intellectual property right or to any third party intellectual property right. TI disclaims responsibility for, and you will fully indemnify TI and its representatives against, any claims, damages, costs, losses, and liabilities arising out of your use of these resources.

TI's products are provided subject to [TI's Terms of Sale](#) or other applicable terms available either on [ti.com](https://www.ti.com) or provided in conjunction with such TI products. TI's provision of these resources does not expand or otherwise alter TI's applicable warranties or warranty disclaimers for TI products.

TI objects to and rejects any additional or different terms you may have proposed.

Mailing Address: Texas Instruments, Post Office Box 655303, Dallas, Texas 75265  
Copyright © 2024, Texas Instruments Incorporated