RADIATION TEST REPORT

PRODUCT: AD8346AFQMLR

DATE CODE: 0927

GAMMA: 0, 30k, 50k, 100k

GAMMA SOURCE: Co60

DOSE RATE: 7.7 mRad/s

FACILITIES: University of Massachusetts @ Lowell

TESTED: 2009/2010

The RADTEST^{SM} DATA SERVICE is a compilation of radiation test results on Analog Devices' Space grade products. It is designed to assist customers in selecting the right product for applications where radiation is a consideration. Many products manufactured by Analog Devices, Inc. have been shown to be radiation tolerant to most tactical radiation environments. Analog Devices, Inc. does not make any claim to maintain or guarantee these levels of radiation tolerance without lot qualification test.

It is the responsibility of the Procuring Activity to screen products from Analog Devices, Inc. for compliance to Nuclear Hardness Critical Items (HCI) specifications.

WARNING:

▶ **ANALOG DEVICES**

T# 1		IIL_0V_3V				uA
	SN	Initial	30K	50K	100K	Limit
Control	38	-0.04987	-0.05529	-0.02885	-0.04499	+/-1
	104	-0.04987	-0.05529	-0.01747	-0.03361	
Biased	35	-0.06125	-0.05529	-0.04023	-0.04499	
	36	-0.04987	-0.05529	-0.01747	-0.03361	
	107	-0.06125	-0.044	-0.01747	-0.01084	
	110	-0.06125	-0.05529	-0.02885	-0.03361	
	Min	-0.0613	-0.0553	-0.0402	-0.0450	
	Max	-0.0499	-0.0439	-0.0175	-0.0108	
	Average	-0.0584	-0.0524	-0.0260	-0.0308	
UnBiased	33	-0.04987	-0.04391	-0.04023	-0.03361	
	34	-0.03849	-0.05529	-0.00609	-0.04499	
	109	-0.06125	-0.04391	-0.01747	-0.04499	
	111	-0.04987	-0.05529	-0.02885	-0.04499	
	Min	-0.0613	-0.0553	-0.0402	-0.0450	
	Max	-0.0385	-0.0439	-0.0061	-0.0336	
	Average	-0.0499	-0.0496	-0.0232	-0.0421	

Enable Low Threshold Current Vil=0V Vps=3V- Average

Biased Average — UnBiased Average
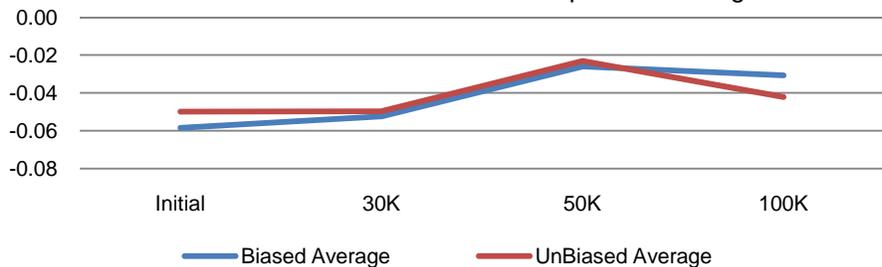
Enable Low Threshold Current Vil=0V Vps=3V - Biased

35 — 36 — 107 — 110
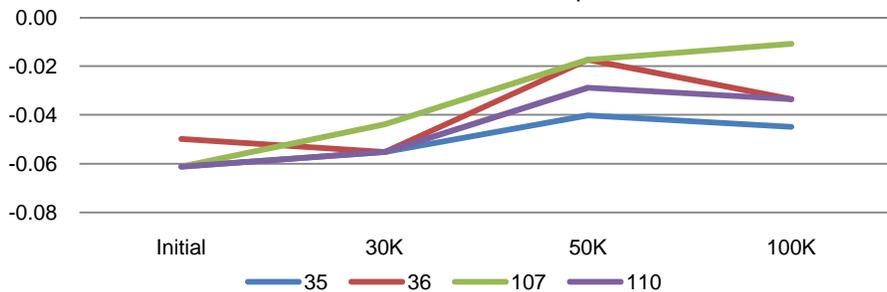
Enable Low Threshold Current Vil=0V Vps=3V - UnBiased

33 — 34 — 109 — 111
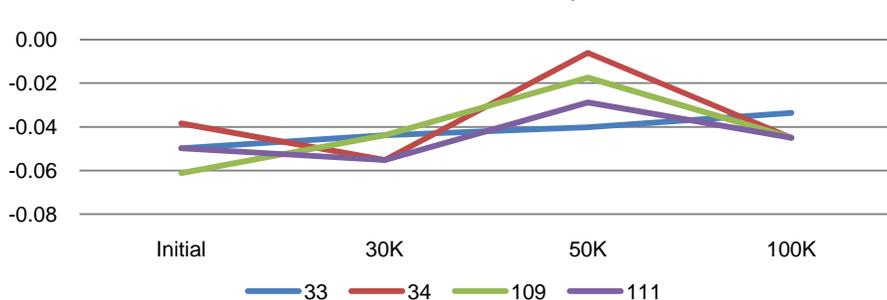
| T# 2	IIL_0.5V_3V				uA
SN	Initial	30K	50K	100K	Limit
Control					
38	**5.51671**	**5.49969**	**5.5374**	**5.52113**	**<10**
104	**5.47118**	**5.4883**	**5.5374**	**5.52113**	
Biased					
35	5.47118	5.46554	5.51464	5.43007	
36	5.61917	5.64767	5.65123	5.61219	
107	5.50533	5.454	5.52602	5.44145	
110	5.75577	5.75012	5.76506	5.72602	
Min	5.4712	5.4542	5.5146	5.4301	
Max	5.7558	5.7501	5.7651	5.7260	
Average	5.5879	5.5794	5.6142	5.5524	
UnBiased					
33	5.50533	5.52245	5.5374	5.52113	
34	5.49395	5.4883	5.52602	5.46422	
109	5.47118	5.44277	5.51464	5.43007	
111	5.74439	5.73873	5.76506	5.76017	
Min	5.4712	5.4428	5.5146	5.4301	
Max	5.7444	5.7387	5.7651	5.7602	
Average	5.5537	5.5481	5.5858	5.5439	

Enable Low Threshold Current Vil=0.5V Vps=3V - Average


Enable Low Threshold Current Vil=0.5V Vps=3V - Biased


Enable Low Threshold Current Vil=0.5V Vps=3V -UnBiased
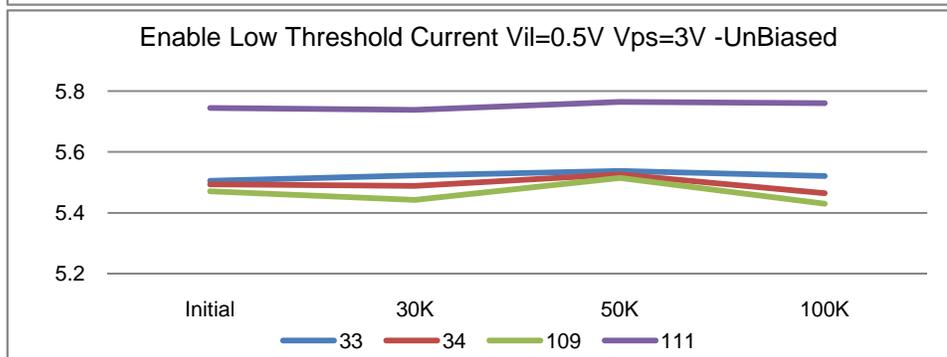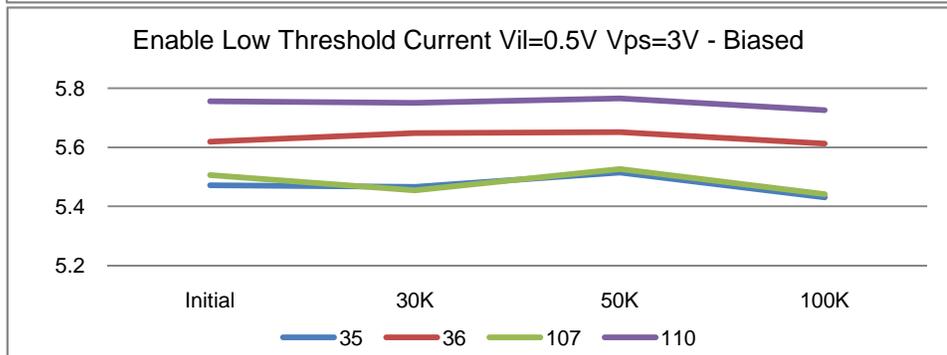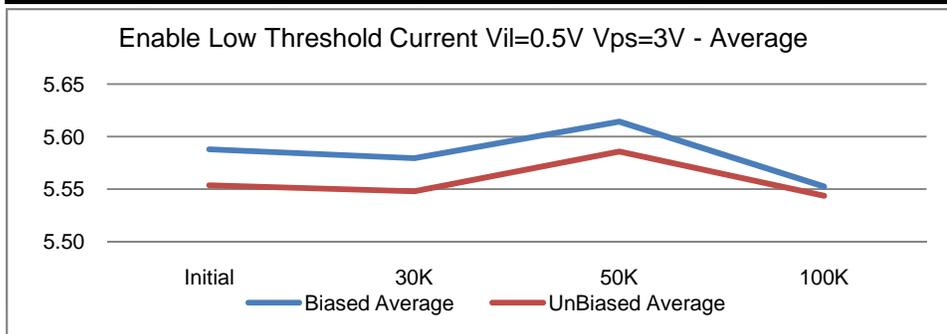
T# 3	IIH_2V_3V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	**31.25506**	**31.40773**	**31.69518**	**31.38254**	**<60**
104	**31.22091**	**31.25975**	**31.66103**	**31.32562**	
Biased 35	31.03877	31.10039	31.36508	30.85893	
36	32.1999	32.22732	32.42367	31.97444	
107	31.25506	31.135	31.38785	31.04106	
110	32.87153	32.89893	33.07249	32.74846	
Min	31.0388	31.1004	31.3651	30.8589	
Max	32.8715	32.8989	33.0725	32.7485	
Average	31.8413	31.8403	32.0623	31.6557	
UnBiased 33	31.67625	31.70369	31.83177	31.59881	
34	31.23229	31.25975	31.55859	31.06382	
109	31.35751	31.37358	31.69518	31.17765	
111	32.47311	32.5119	32.76515	32.29315	
Min	31.2323	31.2598	31.5586	31.0638	
Max	32.4731	32.5119	32.7652	32.2932	
Average	31.6848	31.7122	31.9627	31.5334	

Encode High Threshold Current Vil=2V Vps=3V - Average

Encode High Threshold Current Vil=2V Vps=3V - Biased

Encode High Threshold Current Vil=2V Vps=3V - UnBiased
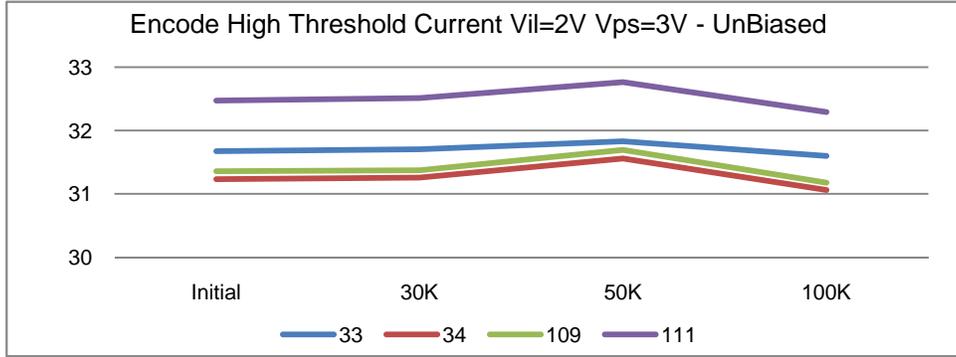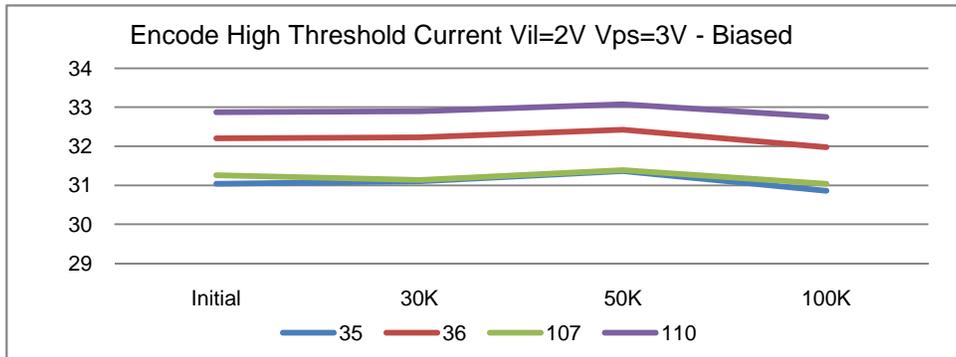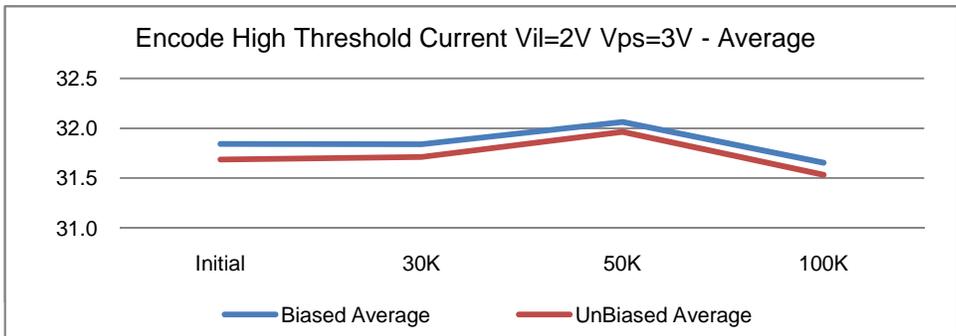
T# 4	IIH_3V_3V				uA
SN	Initial	30K	50K	100K	Limit
Control					
38	**56.95926**	**57.08812**	**57.40892**	**57.02767**	**<100**
104	**56.74297**	**56.75801**	**57.24956**	**56.84555**	
Biased					
35	56.5153	56.49619	56.78287	56.11706	
36	58.60988	58.54516	58.77484	58.20009	
107	56.84542	56.553	56.85116	56.33333	
110	59.86208	59.7973	59.91311	59.45218	
Min	56.5153	56.4962	56.7829	56.1171	
Max	59.8621	59.7973	59.9131	59.4522	
Average	57.9582	57.8479	58.0805	57.5257	
UnBiased					
33	57.65365	57.55483	57.71625	57.335	
34	56.82265	56.80354	57.11297	56.42439	
109	57.02756	56.95152	57.32924	56.66343	
111	59.05384	59.02325	59.35536	58.67816	
Min	56.8227	56.8035	57.1130	56.4244	
Max	59.0538	59.0233	59.3554	58.6782	
Average	57.6394	57.5833	57.8785	57.2752	

Encode High Threshold Current Vil=3V Vps=3V - Average

Encode High Threshold Current Vil=3V Vps=3V - Biased

Encode High Threshold Current Vil=3V Vps=3V - UnBiased
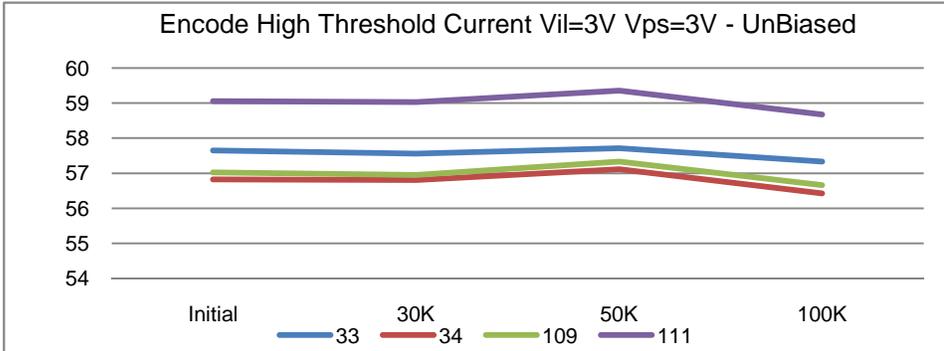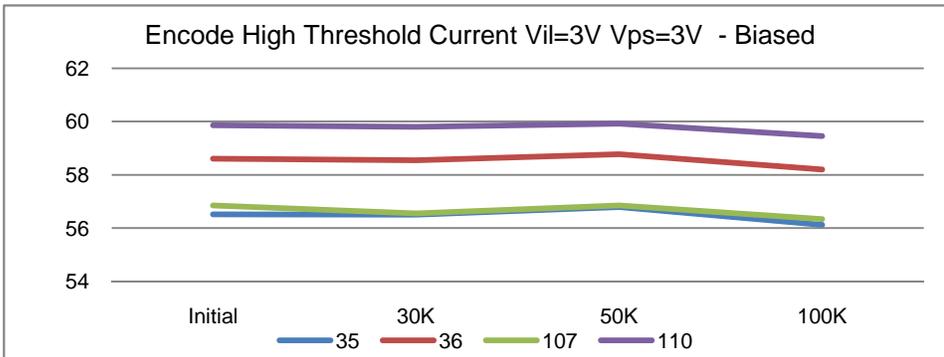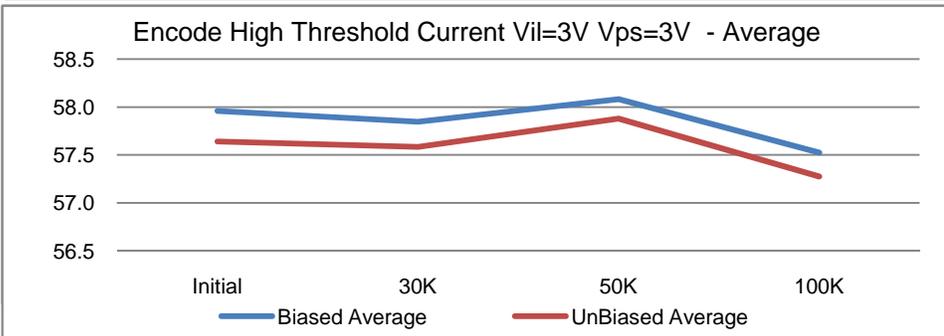
T# 5	I_Standby_3V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	**0.01412**	**0.0754**	**0.09264**	**0.0362**	**+/-20**
104	**0.041**	**0.04852**	**0.06128**	**0.0586**	
Biased 35	0.05444	-0.00525	0.09264	0.03172	
36	0.04548	0.06644	0.06128	0.03172	
107	0.05444	-0.001	0.04335	0.0586	
110	0.05892	0.07092	0.03439	-0.02205	
Min	0.0455	-0.0053	0.0344	-0.0221	
Max	0.0589	0.0709	0.0926	0.0586	
Average	0.0533	0.0328	0.0579	0.0250	
UnBiased 33	0.02308	0.07988	0.02991	0.06756	
34	0.041	0.10677	0.04783	0.04516	
109	0.03652	0.0754	0.04335	0.00932	
111	0.000675	0.10229	0.06576	0.04068	
Min	0.0007	0.0754	0.0299	0.0093	
Max	0.0410	0.1068	0.0658	0.0676	
Average	0.0253	0.0911	0.0467	0.0407	

3V Standby Supply Current - Average

3V Standby Supply Current - Biased

3V Standby Supply Current - UnBiased
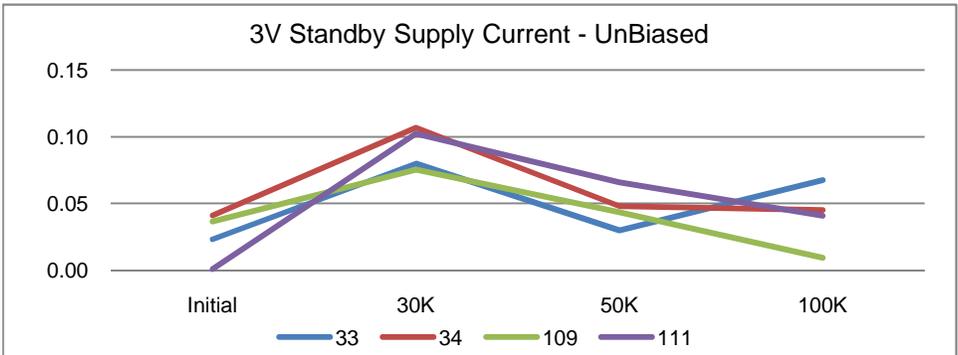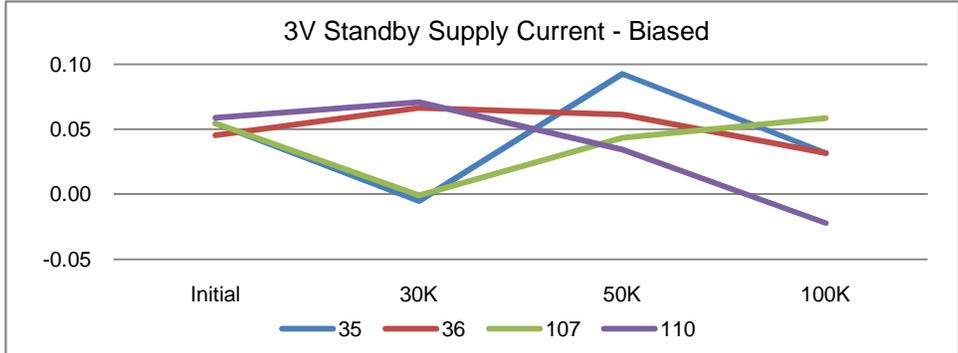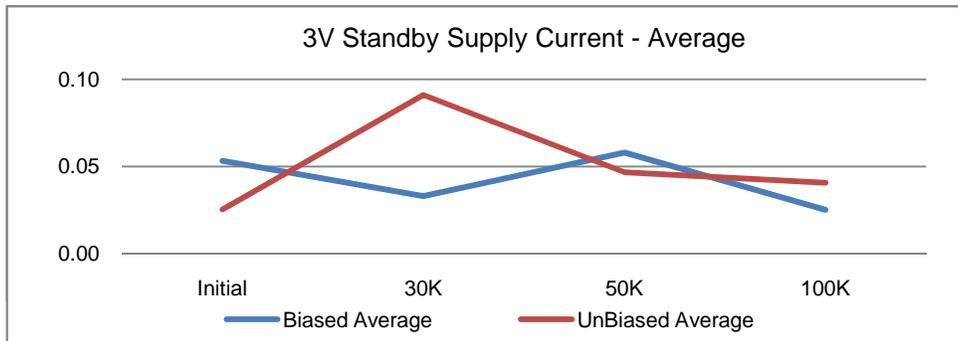
T# 6	I_PS3V				mA
SN	Initial	30K	50K	100K	Limit
Control 38	**41.63604**	**41.76216**	**41.92169**	**41.73084**	**>33**
104	**41.32295**	**41.38367**	**41.64263**	**41.43298**	**<53**
Biased 35	41.96883	41.86742	42.00142	41.66454	
36	41.04167	40.92366	40.98329	40.72439	
107	41.6011	41.302	41.45047	41.1911	
110	40.70709	40.59265	40.59404	40.43772	
Min	40.7071	40.5927	40.5940	40.4377	
Max	41.9688	41.8674	42.0014	41.6645	
Average	41.3297	41.1715	41.2573	41.0044	
UnBiased 33	41.2383	41.04236	40.9685	40.603	
34	41.03809	40.88693	40.93849	40.41398	
109	40.62423	40.43588	40.5058	39.96205	
111	40.7801	40.61325	40.64689	40.1215	
Min	40.6242	40.4359	40.5058	39.9621	
Max	41.2383	41.0424	40.9685	40.6030	
Average	40.9202	40.7446	40.7649	40.2751	

3V Positive Supply Current - Average

3V Positive Supply Current - Biased

3V Positive Supply Current - UnBiased
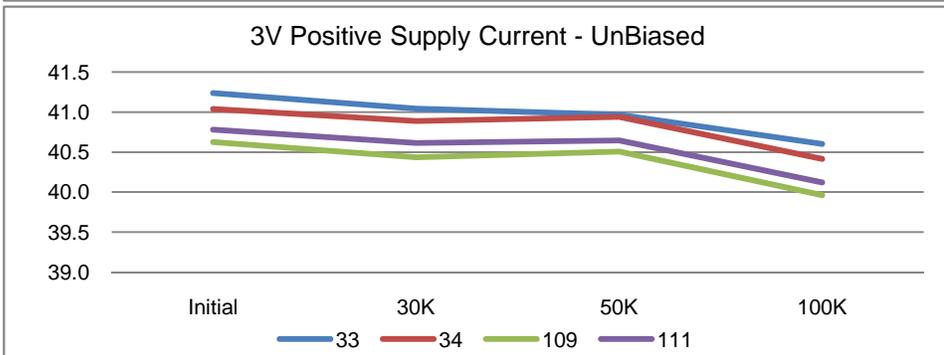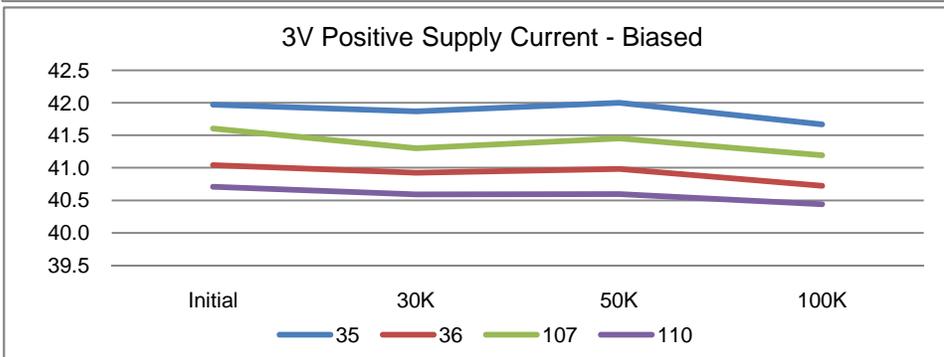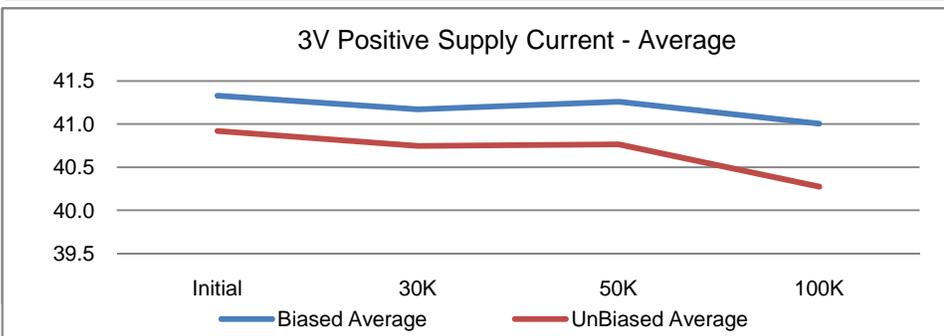
T# 7	IIL_0V_5V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	**-0.06125**	**-0.04391**	**-0.02885**	**-0.04499**	**+/-1**
Control 104	**-0.04987**	**-0.04391**	**-0.04023**	**-0.03361**	
Biased 35	-0.04987	-0.04391	-0.00609	-0.04499	
Biased 36	-0.04987	-0.04391	-0.04023	-0.03361	
Biased 107	-0.04987	-0.044	-0.02885	-0.02222	
Biased 110	-0.04987	-0.05529	-0.02885	-0.03361	
Biased Min	-0.0499	-0.0553	-0.0402	-0.0450	
Biased Max	-0.0499	-0.0439	-0.0061	-0.0222	
Biased Average	-0.0499	-0.0468	-0.0260	-0.0336	
UnBiased 33	-0.04987	-0.04391	-0.01747	-0.04499	
UnBiased 34	-0.06125	-0.04391	-0.01747	-0.03361	
UnBiased 109	-0.06125	-0.05529	-0.01747	-0.02222	
UnBiased 111	-0.06125	-0.04391	-0.01747	-0.03361	
UnBiased Min	-0.0613	-0.0553	-0.0175	-0.0450	
UnBiased Max	-0.0499	-0.0439	-0.0175	-0.0222	
UnBiased Average	-0.0584	-0.0468	-0.0175	-0.0336	

Enable Low Threshold Current Vil=0V Vps=5V - Average

Enable Low threshold Current Vil=0V Vps=5V - Biased

Enable Low Threshold Current Vil=0V Vps=5V - UnBiased
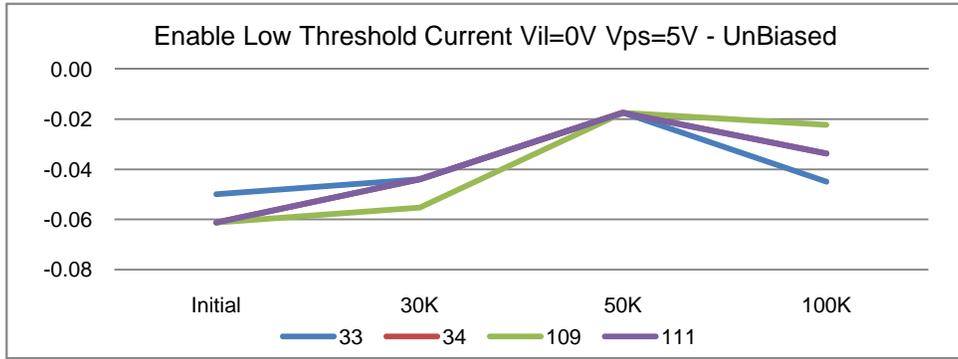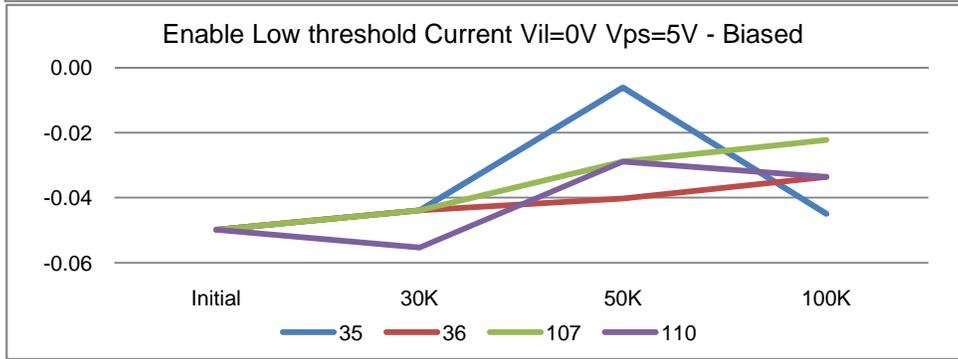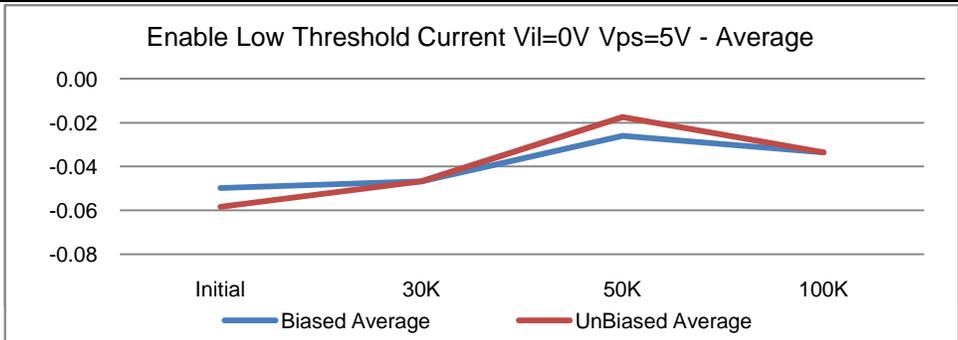
T# 8	IIL_0.5V_5V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	**5.50533**	**5.52245**	**5.5374**	**5.52113**	**<10**
104	**5.47118**	**5.49969**	**5.5374**	**5.50975**	
Biased 35	5.49395	5.46554	5.5374	5.43007	
36	5.64193	5.63628	5.66261	5.62358	
107	5.49395	5.443	5.51464	5.43007	
110	5.74439	5.7615	5.76506	5.70325	
Min	5.4940	5.4428	5.5146	5.4301	
Max	5.7444	5.7615	5.7651	5.7033	
Average	5.5936	5.5765	5.6199	5.5467	
UnBiased 33	5.5281	5.53384	5.52602	5.49837	
34	5.51671	5.51107	5.5374	5.46422	
109	5.47118	5.45415	5.5374	5.43007	
111	5.75577	5.7615	5.76506	5.74879	
Min	5.4712	5.4542	5.5260	5.4301	
Max	5.7558	5.7615	5.7651	5.7488	
Average	5.5679	5.5651	5.5915	5.5354	

Enable Low Threshold Current Vil=0.5V Vps=5V- Average

Enable Low Threshold Current Vil=0.5V Vps=5V- Biased

Enable Low Threshold Current Vil=0.5V Vps=5V - UnBiased
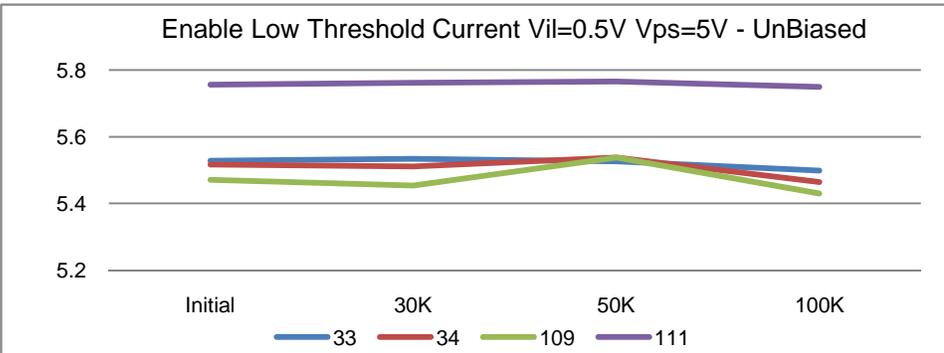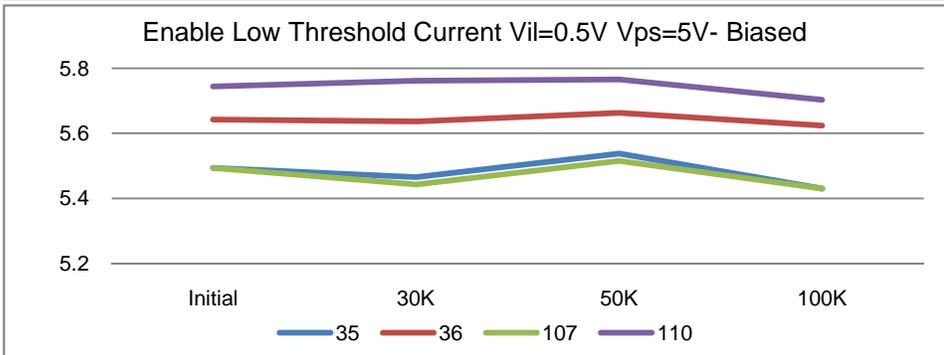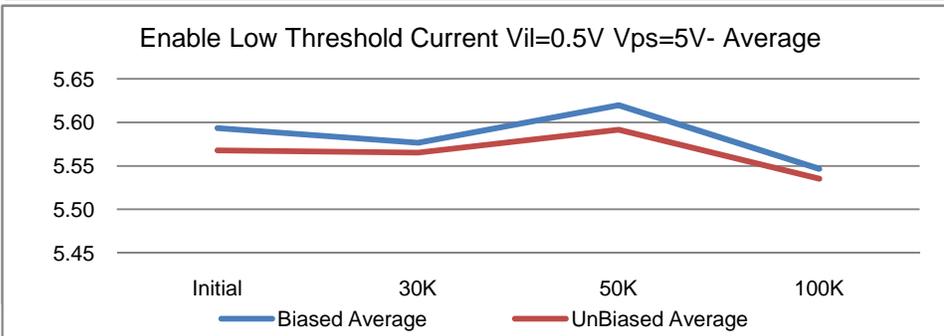
T# 9	IIH_2V_5V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	31.016	31.14592	31.37646	31.12074	<60
104	30.91355	30.96379	31.36508	31.02967	
Biased 35	30.75418	30.79304	31.04637	30.56299	
36	31.92669	31.94274	32.15049	31.72402	
107	30.99324	30.873	31.13743	30.76787	
110	32.53002	32.56882	32.731	32.40698	
Min	30.7542	30.7930	31.0464	30.5630	
Max	32.5300	32.5688	32.7310	32.4070	
Average	31.5510	31.5443	31.7663	31.3655	
UnBiased 33	31.3689	31.38497	31.58135	31.26871	
34	30.91355	30.95241	31.26264	30.79064	
109	31.02739	31.06624	31.37646	30.92723	
111	32.16575	32.19317	32.50335	31.97444	
Min	30.9136	30.9524	31.2626	30.7906	
Max	32.1658	32.1932	32.5034	31.9744	
Average	31.3689	31.3992	31.6810	31.2403	

Enable High Threshold Current Vih=2V Vps=5V- Average

Enable High Threshold Current Vih=2V Vps=5V - Biased

Enable High Threshold Current Vih=2V Vps=5V- UnBiased
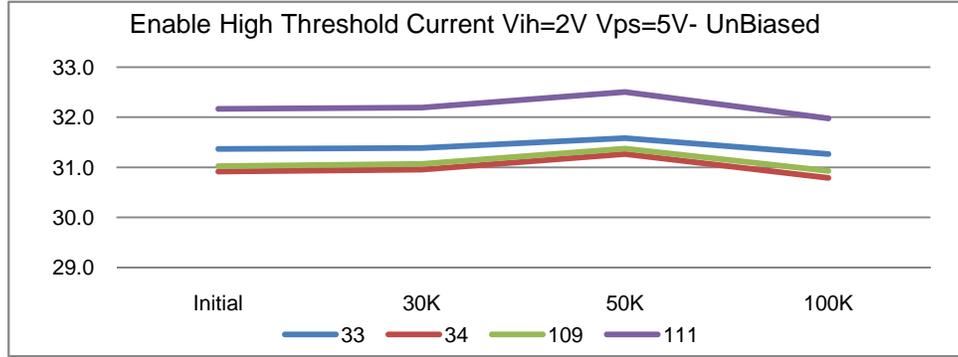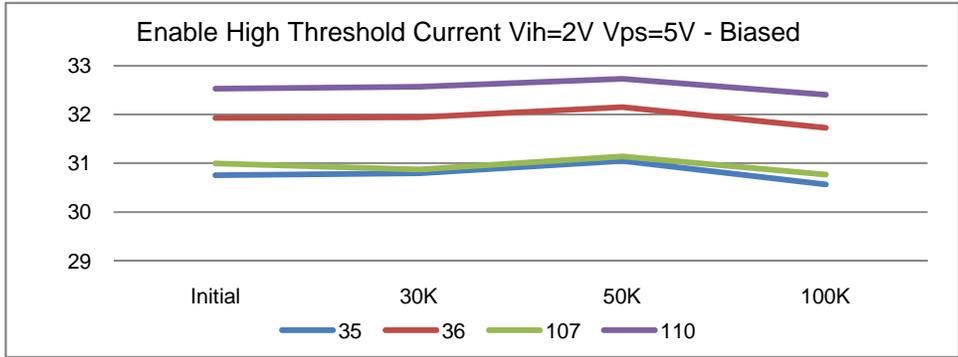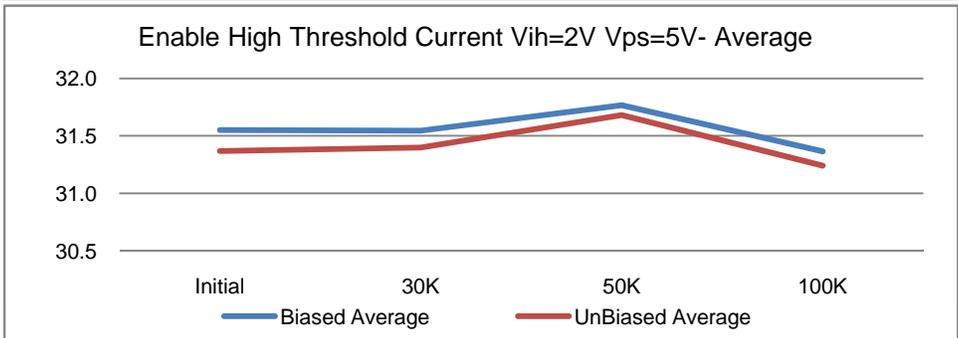
T# 10	IIH_5V_5V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	**109.1987**	**109.462**	**109.9178**	**109.4221**	**<180**
104	**108.6978**	**108.8701**	**109.5194**	**108.9895**	
Biased 35	108.3563	108.3351	108.6657	107.635	
36	112.2836	112.2509	112.4219	111.5165	
107	108.8002	108.426	108.7453	107.9992	
110	114.6742	114.5844	114.5847	113.9524	
Min	108.3563	108.3351	108.6657	107.6350	
Max	114.6742	114.5844	114.5847	113.9524	
Average	111.0286	110.8991	111.1044	110.2758	
UnBiased 33	110.485	110.384	110.4755	109.9229	
34	108.8116	108.8018	109.2234	108.2041	
109	109.267	109.2343	109.6673	108.6253	
111	113.1032	113.0932	113.4464	112.4271	
Min	108.8116	108.8018	109.2234	108.2041	
Max	113.1032	113.0932	113.4464	112.4271	
Average	110.4167	110.3783	110.7032	109.7948	

Enable High Threshold Current Vih=5V Vps=5V - Average

Enable High Threshold Current Vih=5V Vps=5V- Biased

Enable High Threshold Current Vih=5V Vps=5V- UnBiased
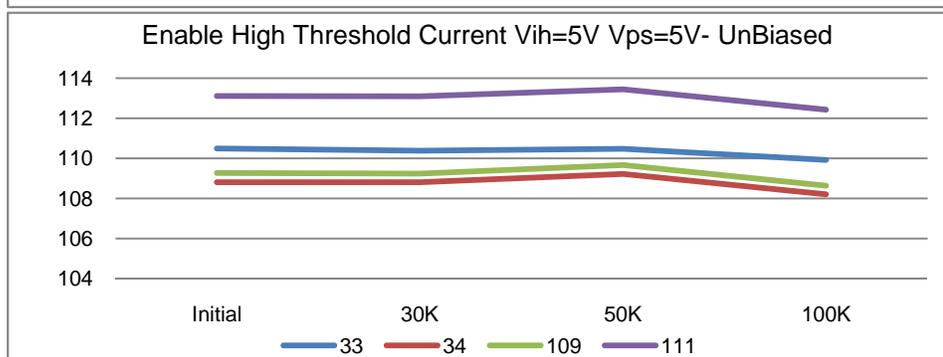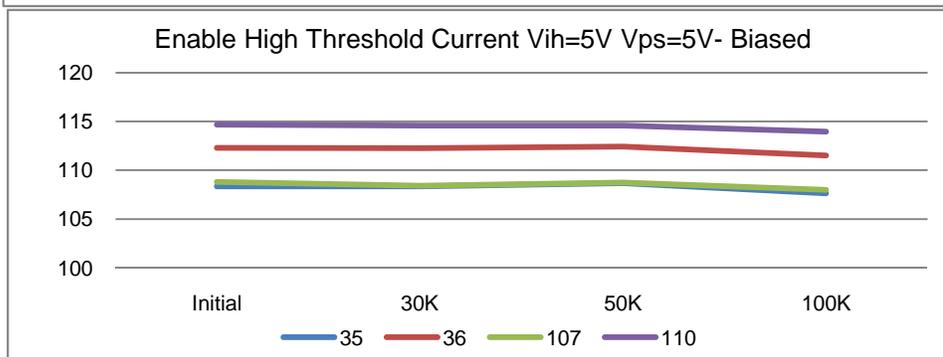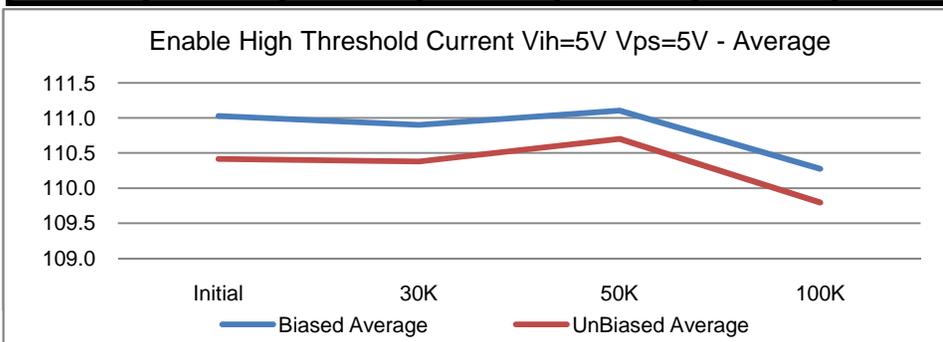
T# 11	I_Standby_5V				uA
SN	Initial	30K	50K	100K	Limit
Control 38	**0.11674**	**0.16131**	**0.11205**	**0.11309**	**<20**
104	**0.13914**	**0.17027**	**0.1255**	**0.13549**	
Biased 35	0.1705	0.17475	0.10757	0.15341	
36	0.1033	0.11651	0.12101	0.13101	
107	0.11226	0.108	0.1703	0.14893	
110	0.1033	0.22852	0.15238	0.16237	
Min	0.1033	0.1076	0.1076	0.1310	
Max	0.1705	0.2285	0.1703	0.1624	
Average	0.1223	0.1568	0.1378	0.1489	
UnBiased 33	0.13466	0.12995	0.1255	0.11309	
34	0.15706	0.14339	0.1479	0.17133	
109	0.1257	0.11651	0.1479	0.14445	
111	0.16602	0.08962	0.18822	0.18029	
Min	0.1257	0.0896	0.1255	0.1131	
Max	0.1660	0.1434	0.1882	0.1803	
Average	0.1459	0.1199	0.1524	0.1523	

5V Standby Supply Current - Average

5V Standby Supply Current - Biased

5V Standby Supply Current - UnBiased
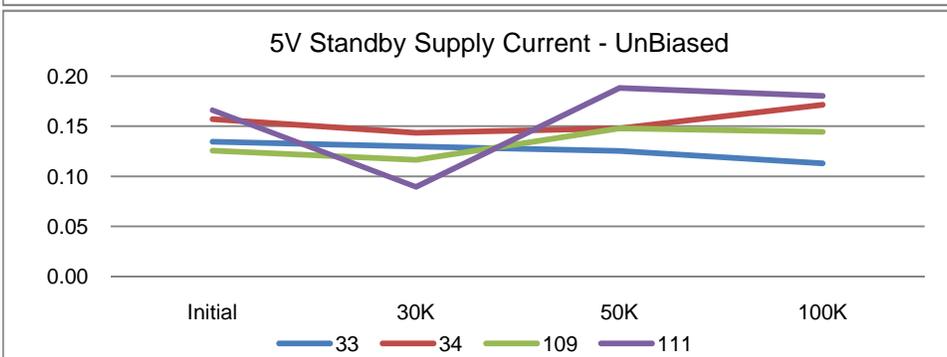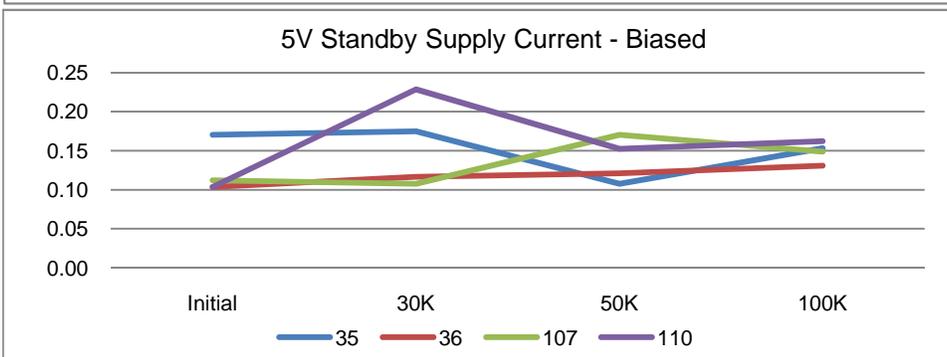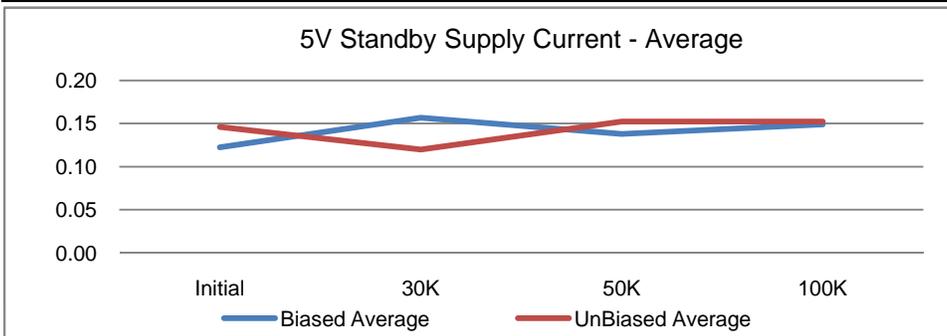
T# 12		I_PS5V			mA
SN	Initial	30K	50K	100K	Limit
Control 38	**43.36936**	**43.52388**	**43.71797**	**43.48625**	**>35**
104	**42.90936**	**42.97966**	**43.29602**	**43.02849**	**<55**
Biased 35	43.45132	43.31067	43.47788	43.07731	
36	42.92683	42.77049	42.84855	42.53086	
107	43.29769	42.917	43.1079	42.79199	
110	43.11987	42.96846	42.98785	42.80274	
Min	42.9268	42.7705	42.8486	42.5309	
Max	43.4513	43.3107	43.4779	43.0773	
Average	43.1989	42.9916	43.1055	42.8007	
UnBiased 33	43.0388	42.84081	42.80241	42.44576	
34	42.79201	42.65313	42.76792	42.19941	
109	42.11836	41.92258	42.07139	41.48589	
111	42.67332	42.51249	42.61114	42.03324	
Min	42.1184	41.9226	42.0714	41.4859	
Max	43.0388	42.8408	42.8024	42.4458	
Average	42.6556	42.4823	42.5632	42.0411	

5V Supply Current - Average

5V Supply Current - Biased

5V Supply Current - UnBiased
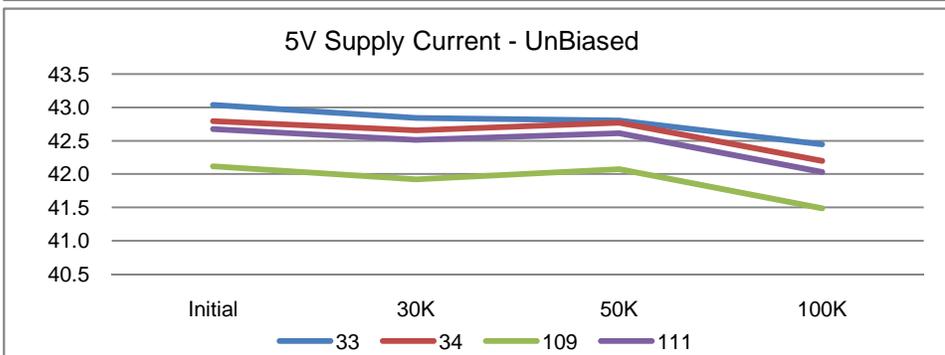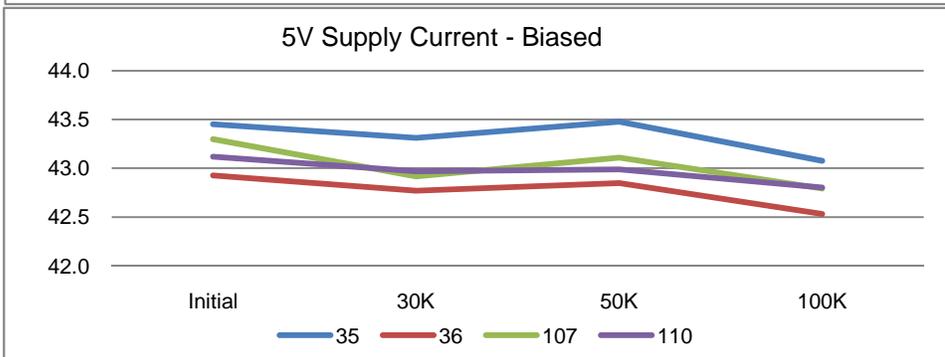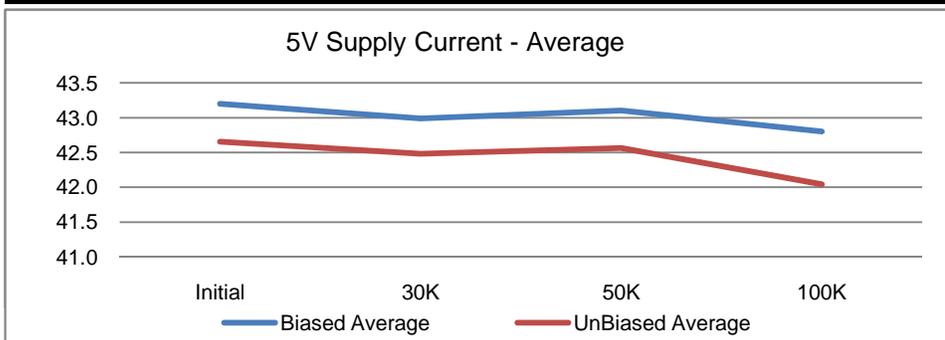
T# 13	I_PSmax				mA
SN	Initial	30K	50K	100K	Limit
Control 38	**43.48144**	**43.63956**	**43.83366**	**43.60282**	**>35**
104	**43.01248**	**43.07833**	**43.4041**	**43.15402**	**<55**
Biased 35	43.58356	43.4286	43.58999	43.1809	
36	43.04115	42.88572	42.95886	42.65416	
107	43.42903	43.035	43.21015	42.91663	
110	43.23822	43.10027	43.13042	42.92066	
Min	43.0412	42.8857	42.9589	42.6542	
Max	43.5836	43.4286	43.5900	43.1809	
Average	43.3230	43.1124	43.2224	42.9181	
UnBiased 33	43.15715	42.96187	42.92392	42.57129	
34	42.91125	42.77061	42.87958	42.31599	
109	42.24612	42.04185	42.1938	41.60784	
111	42.77778	42.62324	42.72505	42.16504	
Min	42.2461	42.0419	42.1938	41.6078	
Max	43.1572	42.9619	42.9239	42.5713	
Average	42.7731	42.5994	42.6806	42.1650	

Max Supply Current Vps=5.25V - Average

Max Supply Current Vps=5.25V - Biased

Max Supply Current Vps=5.25V - UnBiased
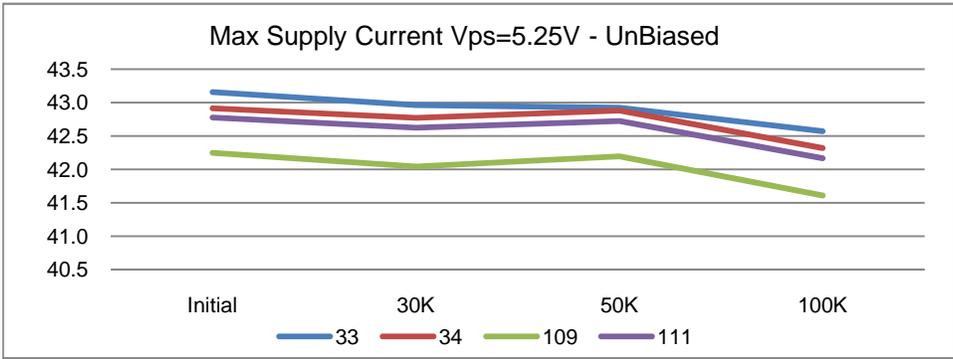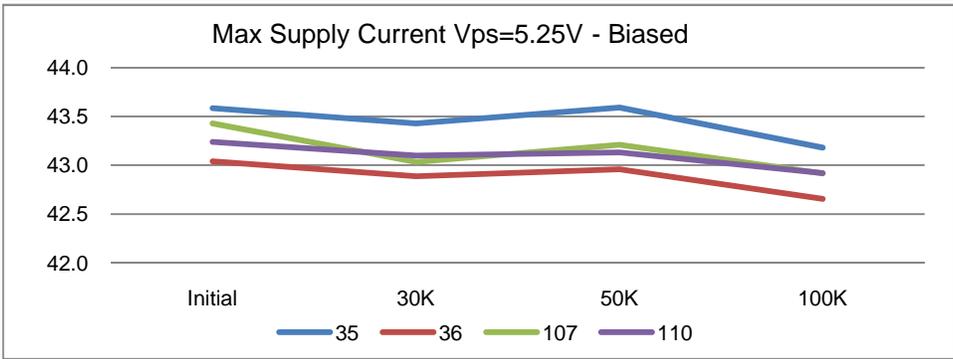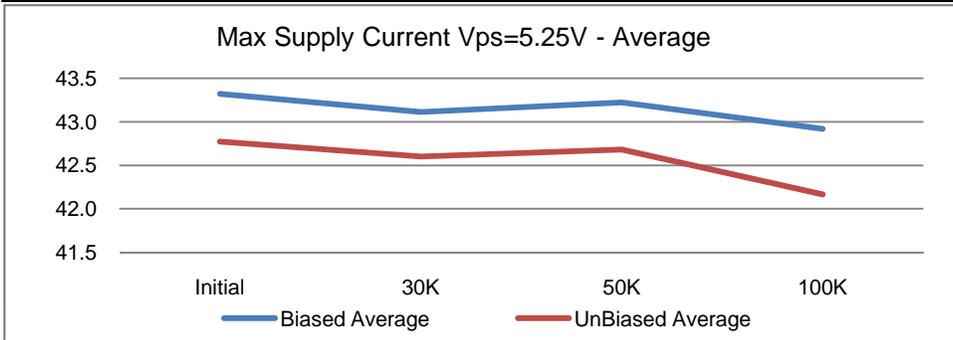
T# 14		P_OUT_800M_5V_-6dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	-6.29973	-6.50784	-6.32644	-6.97026	>-11
Control 104	-6.49268	-6.62201	-6.46462	-7.1161	<-4
Biased 35	-6.31736	-6.48459	-6.31106	-6.96338	
Biased 36	-6.41745	-6.59631	-6.41689	-7.07679	
Biased 107	-6.40772	-6.573	-6.39825	-7.04563	
Biased 110	-6.349	-6.60097	-6.44066	-7.10309	
Biased Min	-6.4175	-6.6010	-6.4407	-7.1031	
Biased Max	-6.3174	-6.4846	-6.3111	-6.9634	
Biased Average	-6.3729	-6.5637	-6.3917	-7.0472	
UnBiased 33	-6.41966	-6.59205	-6.40937	-7.05717	
UnBiased 34	-6.41702	-6.59805	-6.42225	-7.08025	
UnBiased 109	-6.44126	-6.68168	-6.54402	-7.21741	
UnBiased 111	-6.26553	-6.48976	-6.35286	-6.99941	
UnBiased Min	-6.4413	-6.6817	-6.5440	-7.2174	
UnBiased Max	-6.2655	-6.4898	-6.3529	-6.9994	
UnBiased Average	-6.3859	-6.5904	-6.4321	-7.0886	

Output Power fLO=800MHz, -6dBm - Average

Output Power fLO=800MHz, -6dBm - Biased

Output Power fLO=800MHz, -6dBm - UnBiased
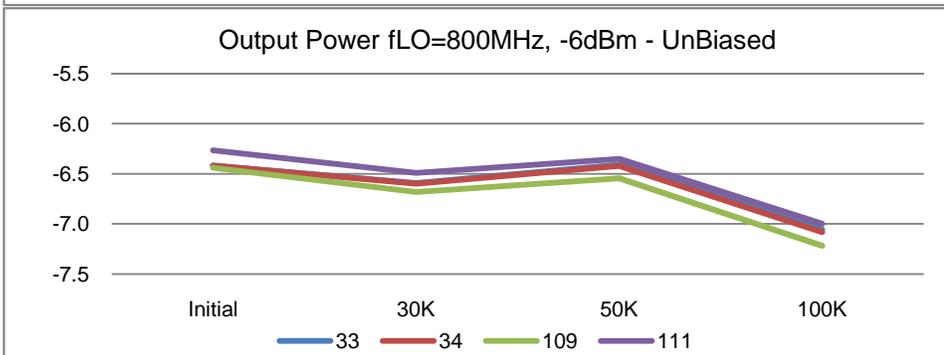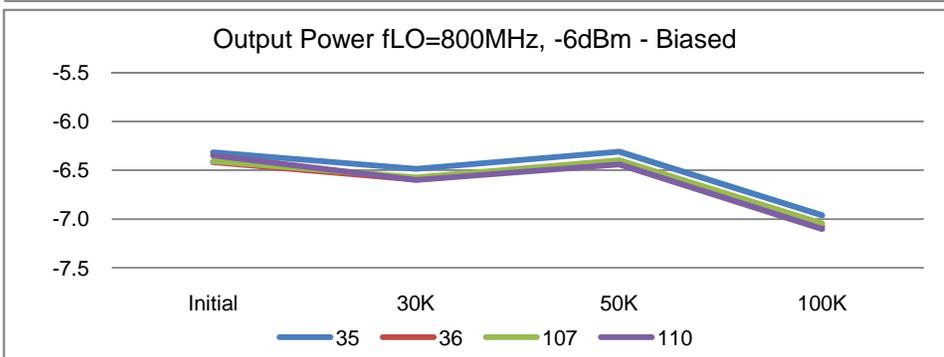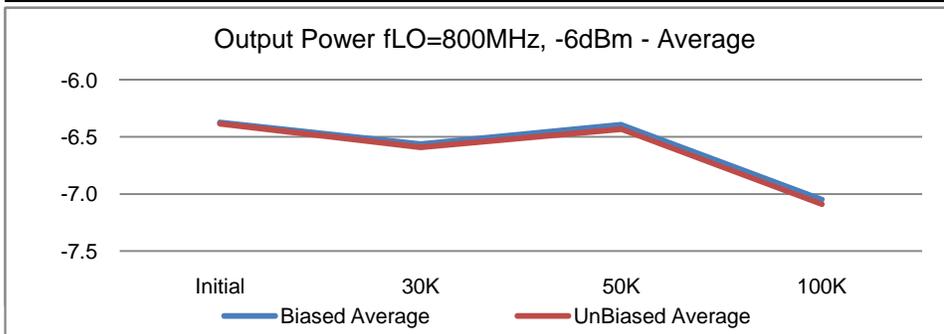
T# 15	P_FDTH_800M_5V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-44.02256**	**-43.477**	**-44.29161**	**-44.7492**	**<-35**
104	**-42.37871**	**-42.221**	**-42.42188**	**-43.06443**	
Biased 35	-41.36467	-41.6747	-41.57982	-42.36721	
36	-48.1545	-49.9709	-48.66226	-49.44138	
107	-46.252	-47.547	-46.70509	-47.70569	
110	-48.19994	-49.6603	-48.88796	-49.57078	
Min	-48.1999	-49.9709	-48.8880	-49.5708	
Max	-41.3647	-41.6747	-41.5798	-42.3672	
Average	-45.9928	-47.2132	-46.4588	-47.2713	
UnBiased 33	-41.7591	-42.426	-41.84955	-43.1134	
34	-44.48915	-45.1922	-44.40053	-45.18599	
109	-45.17057	-46.4583	-45.81803	-47.17679	
111	-44.60916	-44.9347	-44.96573	-45.88816	
Min	-45.1706	-46.4583	-45.8180	-47.1768	
Max	-41.7591	-42.4260	-41.8496	-43.1134	
Average	-44.0070	-44.7528	-44.2585	-45.3411	

Carrier Feedthrough fLO=800MHz, -6dBm - Average

Carrier Feedthrough fLO=800MHz, -6dBm - Biased

Carrier Feedthrough fLO=800MHz, -6dBm - UnBiased
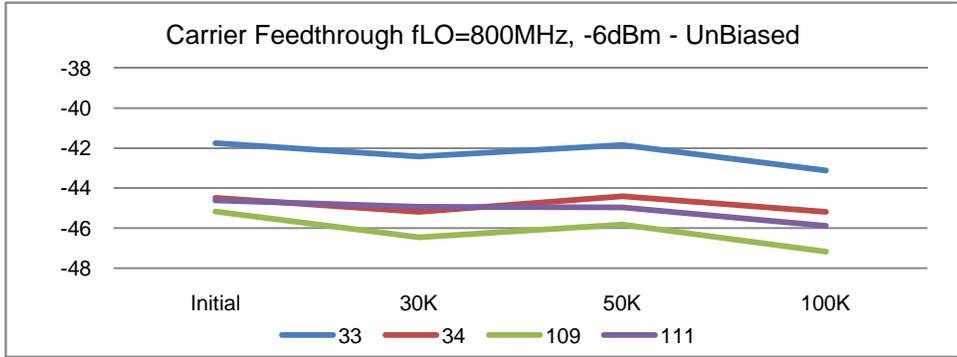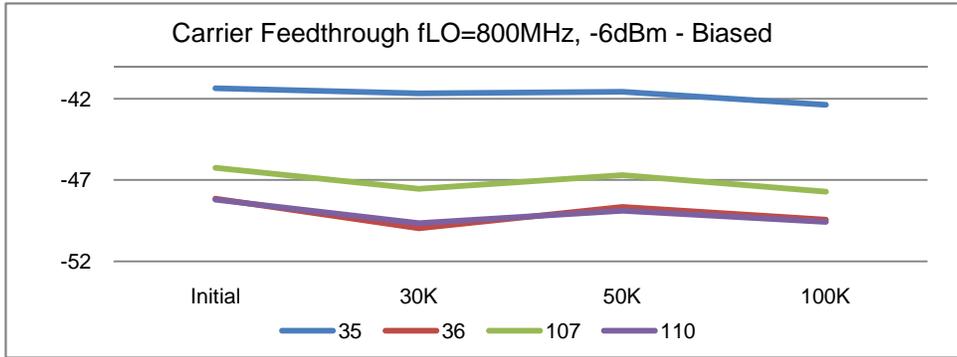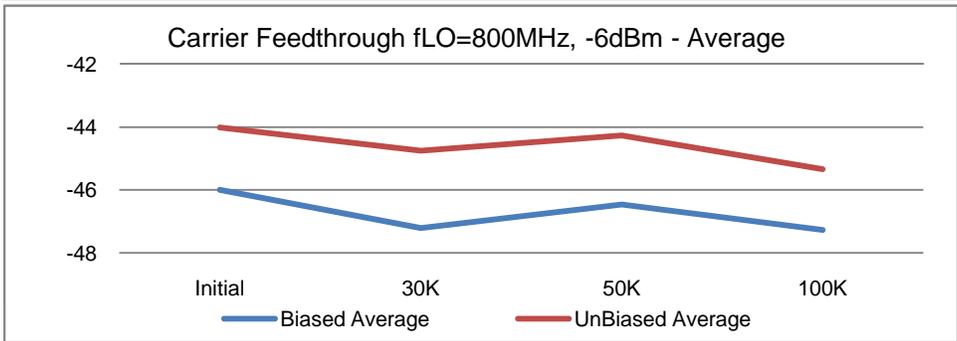
	T# 16	P_SUPP_800M_5V_-6dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	**-48.0828**	**-50.4823**	**-48.40304**	**-46.70048**	**<-28**
	104	**-53.0254**	**-40.7166**	**-55.20844**	**-60.49608**	
Biased	35	-56.5612	-42.1725	-55.64233	-56.85807	
	36	-51.7746	-45.3402	-52.18433	-49.37474	
	107	-53.5631	-38.668	-54.53158	-61.5616	
	110	-43.2753	-34.3618	-42.68381	-44.36578	
	Min	-56.5612	-45.3402	-55.6423	-61.5616	
	Max	-43.2753	-34.3618	-42.6838	-44.3658	
	Average	-51.2935	-40.1355	-51.2605	-53.0400	
UnBiased	33	-51.2514	-43.1129	-51.97303	-51.30912	
	34	-47.7973	-38.7801	-46.03783	-48.46849	
	109	-44.0979	-42.3046	-44.88578	-44.04369	
	111	-46.6451	-40.2768	-48.3512	-46.49524	
	Min	-51.2514	-43.1129	-51.9730	-51.3091	
	Max	-44.0979	-38.7801	-44.8858	-44.0437	
	Average	-47.4479	-41.1186	-47.8120	-47.5791	

Sideband Suppression fLO=800MHz, -6dBm - Average

Sideband Suppression fLO=800MHz, -6dBm - Biased

Sideband Suppression fLO=800MHz, -6dBm - UnBiased
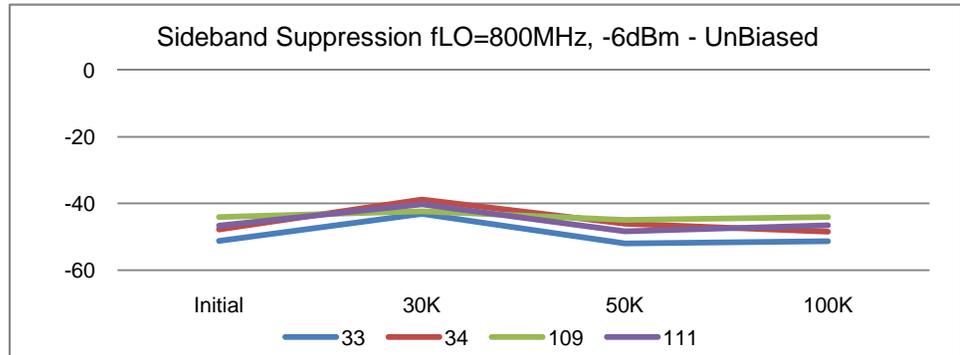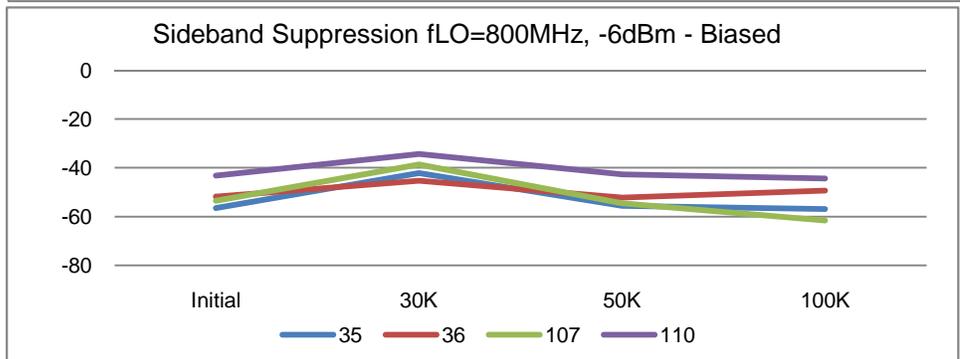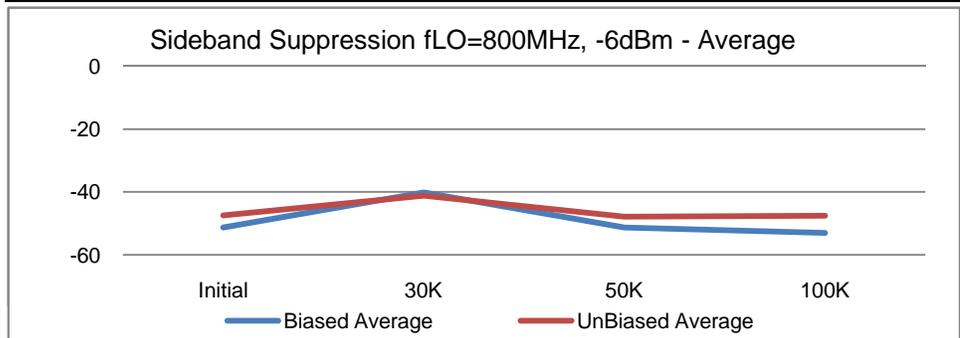
T# 17	P_2ndL_800M_5V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-56.58092**	**-56.3121**	**-57.58552**	**-57.06923**	**<-46**
104	**-56.89014**	**-56.7807**	**-56.78559**	**-57.35783**	
Biased 35	-55.65473	-56.2947	-57.13366	-56.53399	
36	-57.33396	-58.5112	-58.40402	-58.21172	
107	-56.65135	-58.441	-57.65836	-57.97993	
110	-58.10296	-58.4982	-59.62825	-58.61961	
Min	-58.1030	-58.5112	-59.6283	-58.6196	
Max	-55.6547	-56.2947	-57.1337	-56.5340	
Average	-56.9358	-57.9363	-58.2061	-57.8363	
UnBiased 33	-57.29889	-57.6212	-57.08416	-57.74062	
34	-58.46144	-58.1847	-59.52632	-58.38314	
109	-56.54388	-57.9059	-58.1272	-57.3826	
111	-56.87056	-57.6034	-57.79565	-57.81955	
Min	-58.4614	-58.1847	-59.5263	-58.3831	
Max	-56.5439	-57.6034	-57.0842	-57.3826	
Average	-57.2937	-57.8288	-58.1333	-57.8315	

2nd Lower Harmonic fLO=800MHz, -6dBm- Average

2nd Lower Harmonic fLO=800MHz, -6dBm - Biased

2nd Lower Harmonic fLO=800MHz, -6dBm - UnBiased
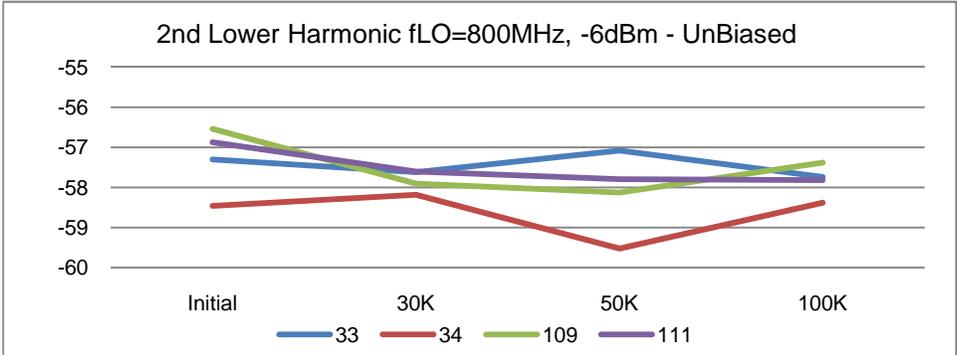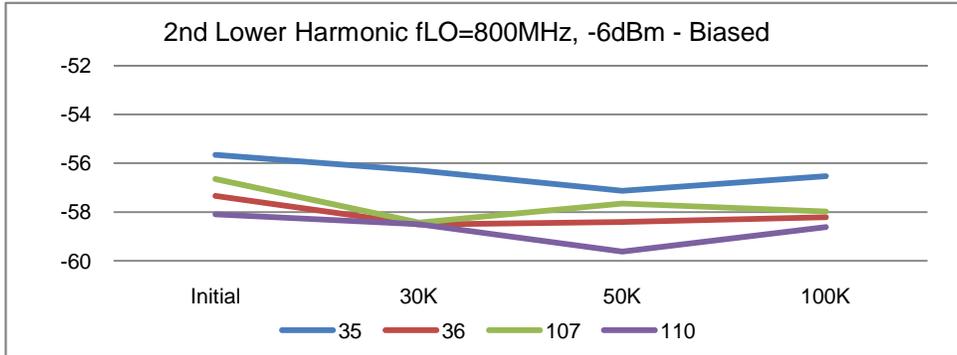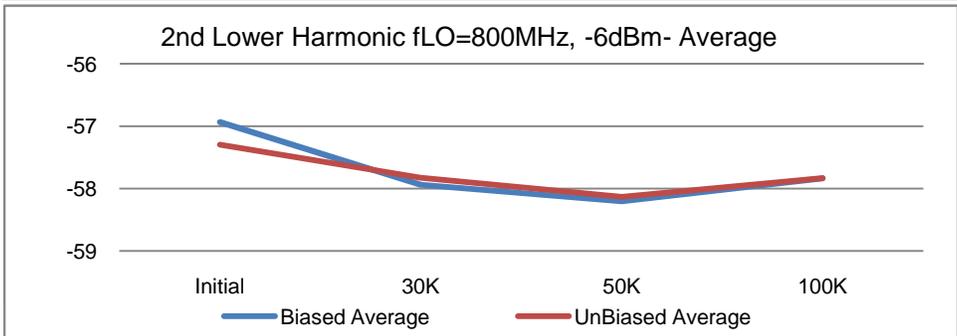
T# 18	P_2ndU_800M_5V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-63.824**	**-66.5678**	**-64.39362**	**-64.45765**	**<-49**
Control 104	**-64.1748**	**-71.8239**	**-64.64325**	**-65.80989**	
Biased 35	-63.767	-71.2745	-63.81247	-64.113	
Biased 36	-67.8781	-72.2649	-66.50866	-66.13206	
Biased 107	-64.6768	-70.839	-66.91403	-65.83876	
Biased 110	-68.5532	-67.6678	-67.58537	-69.25487	
Biased Min	-68.5532	-72.2649	-67.5854	-69.2549	
Biased Max	-63.7670	-67.6678	-63.8125	-64.1130	
Biased Average	-66.2188	-70.5115	-66.2051	-66.3347	
UnBiased 33	-67.1761	-71.6694	-66.00292	-67.16209	
UnBiased 34	-69.845	-67.2802	-67.78213	-69.52378	
UnBiased 109	-67.6146	-71.2961	-67.40466	-69.16203	
UnBiased 111	-63.7815	-69.5142	-64.51888	-64.9921	
UnBiased Min	-69.8450	-71.6694	-67.7821	-69.5238	
UnBiased Max	-63.7815	-67.2802	-64.5189	-64.9921	
UnBiased Average	-67.1043	-69.9400	-66.4271	-67.7100	

2nd Upper Harmonic fLO=800MHz, -6dBm - Average

2nd Upper Harmonic fLO=800MHz, -6dBm - Biased

2nd Upper Harmonic fLO=800MHz, -6dBm - UnBiased
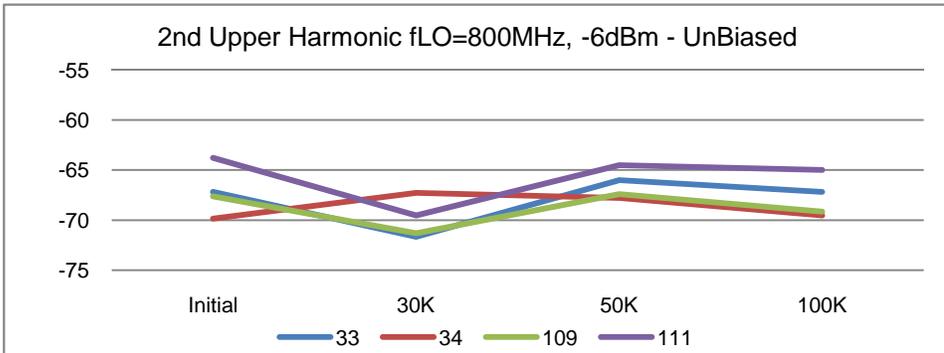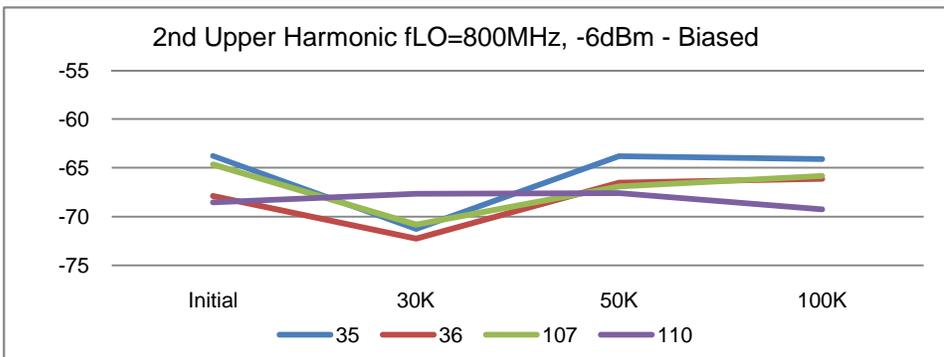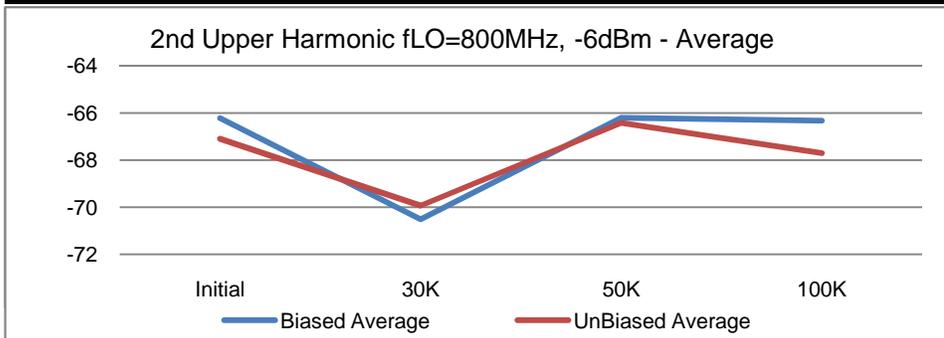
T# 19	P_3rdU_800M_5V_-6dBm				dBc
SN	**Initial**	**30K**	**50K**	**100K**	**Limit**
Control 38	**-51.5359**	**-51.4902**	**-52.4215**	**-52.20623**	**<-45**
104	**-52.06105**	**-51.884**	**-53.14312**	**-52.96914**	
Biased 35	-52.59775	-52.6791	-53.58139	-53.30593	
36	-51.14411	-50.9526	-52.23939	-52.21061	
107	-51.09277	-50.920	-52.12431	-52.26932	
110	-51.51704	-52.11	-52.97926	-53.11289	
Min	-52.5978	-52.6791	-53.5814	-53.3059	
Max	-51.0928	-50.9198	-52.1243	-52.2106	
Average	-51.5879	-51.6654	-52.7311	-52.7247	
UnBiased 33	-50.96329	-51.1262	-51.95306	-52.03209	
34	-51.13083	-50.715	-52.05409	-51.86259	
109	-50.63126	-51.1293	-52.25745	-52.15149	
111	-50.80455	-50.6935	-52.22664	-51.89764	
Min	-51.1308	-51.1293	-52.2575	-52.1515	
Max	-50.6313	-50.6935	-51.9531	-51.8626	
Average	-50.8825	-50.9160	-52.1228	-51.9860	

3rd Upper Harmonic fLO=800MHz, -6dBm - Average

Biased Average — UnBiased Average

3rd Upper Harmonic fLO=800MHz, -6dBm - Biased

35 — 36 — 107 — 110

3rd Upper Harmonic fLO=800MHz, -6dBm - UnBiased

33 — 34 — 109 — 111
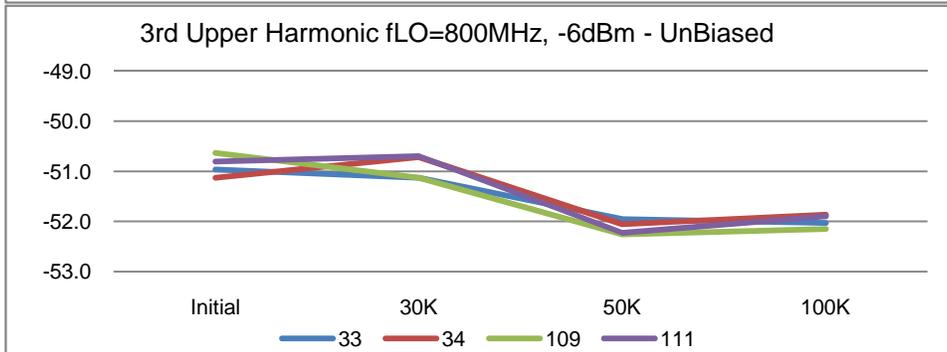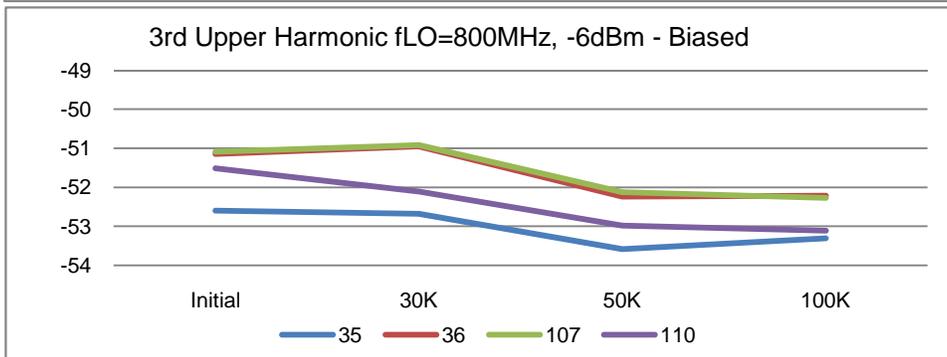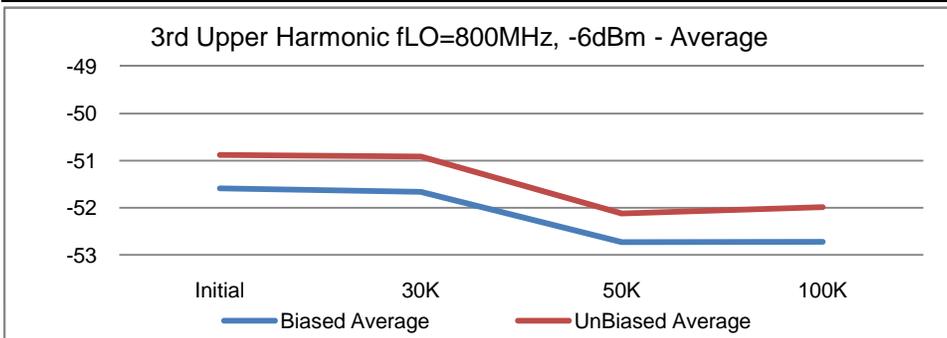
T# 20		P_OUT_1900M_5V_-6dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-8.96012**	**-8.98948**	**-8.97083**	**-9.64905**	**>-13**
104	**-9.24728**	**-9.18335**	**-9.22493**	**-9.87568**	**<-6**
Biased 35	-9.08244	-9.11434	-9.11837	-9.77011	
36	-9.18754	-9.24833	-9.24813	-9.89574	
107	-9.11752	-9.124	-9.14179	-9.75676	
110	-9.05817	-9.39994	-9.45043	-10.08455	
Min	-9.1875	-9.3999	-9.4504	-10.0846	
Max	-9.0582	-9.1143	-9.1184	-9.7568	
Average	-9.1114	-9.2217	-9.2397	-9.8768	
UnBiased 33	-9.16811	-9.16349	-9.12995	-9.80037	
34	-9.1527	-9.15144	-9.14298	-9.80764	
109	-9.0184	-9.30537	-9.36697	-10.03638	
111	-8.84187	-9.1329	-9.18757	-9.84091	
Min	-9.1681	-9.3054	-9.3670	-10.0364	
Max	-8.8419	-9.1329	-9.1300	-9.8004	
Average	-9.0453	-9.1883	-9.2069	-9.8713	

Output Power fLO=1.9GHz, -6dBm - Average

Output Power fLO=1.9GHz, -6dBm - Biased

Output Power fLO=1.9GHz, -6dBm - UnBiased
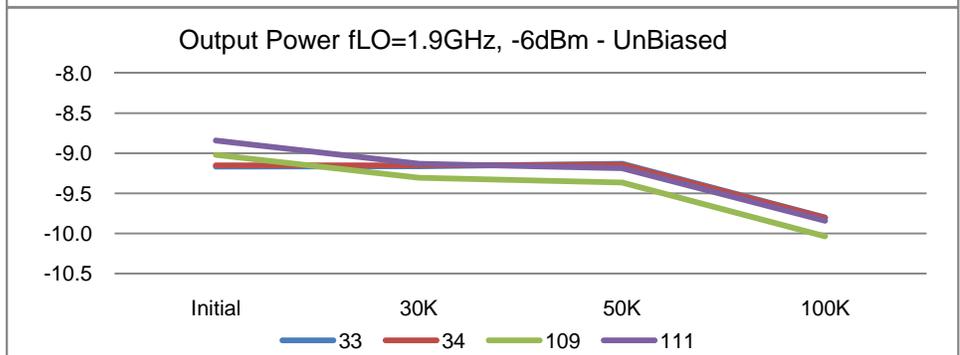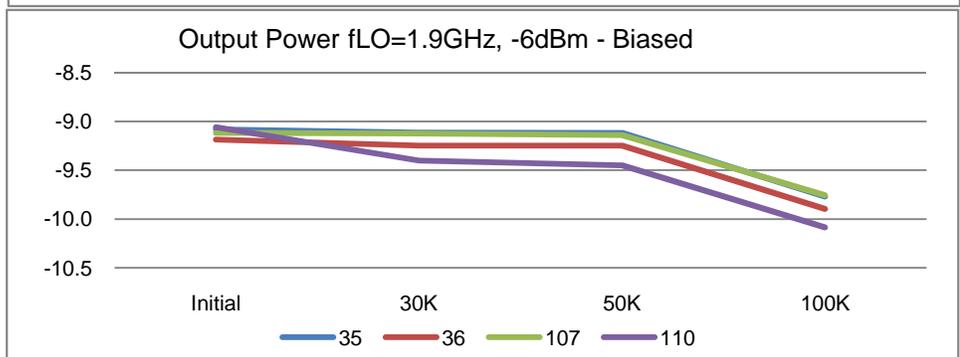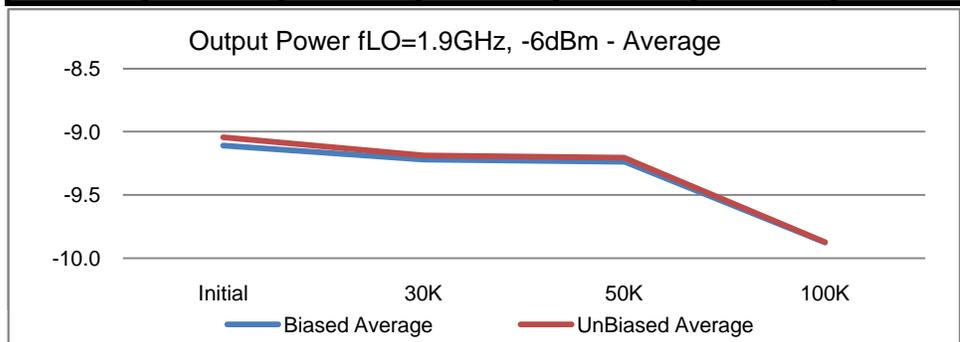
T# 21	P_FDTH_1900M_5V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control					
38	**-51.42827**	**-50.4784**	**-51.11526**	**-51.97791**	**<-35**
104	**-42.06876**	**-42.2247**	**-41.72054**	**-42.64419**	
Biased					
35	-41.25666	-41.362	-41.13536	-41.7598	
36	-41.61334	-42.8815	-42.00792	-42.63697	
107	-41.90662	-43.283	-42.4011	-43.07843	
110	-41.45015	-43.0111	-42.21664	-42.71655	
Min	-41.9066	-43.2831	-42.4011	-43.0784	
Max	-41.2567	-41.3620	-41.1354	-41.7598	
Average	-41.5567	-42.6344	-41.9403	-42.5479	
UnBiased					
33	-39.25866	-40.0882	-39.50386	-40.41058	
34	-41.06628	-42.7828	-41.32125	-42.14202	
109	-40.86394	-42.4037	-41.67766	-42.55785	
111	-42.00498	-42.5639	-42.39096	-43.36612	
Min	-42.0050	-42.7828	-42.3910	-43.3661	
Max	-39.2587	-40.0882	-39.5039	-40.4106	
Average	-40.7985	-41.9597	-41.2234	-42.1191	

Carrier Feedthrough fLO=1.9GHz, -6dBm - Average

Carrier Feedthrough fLO=1.9GHz, -6dBm - Biased

Carrier Feedthrough fLO=1.9GHz, -6dBm - UnBiased
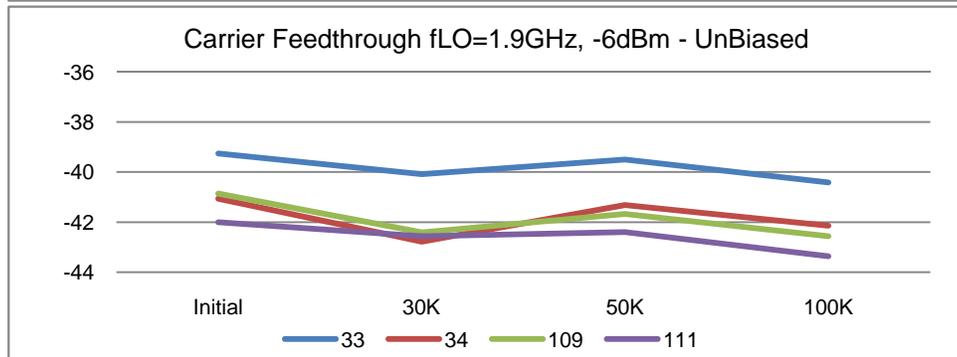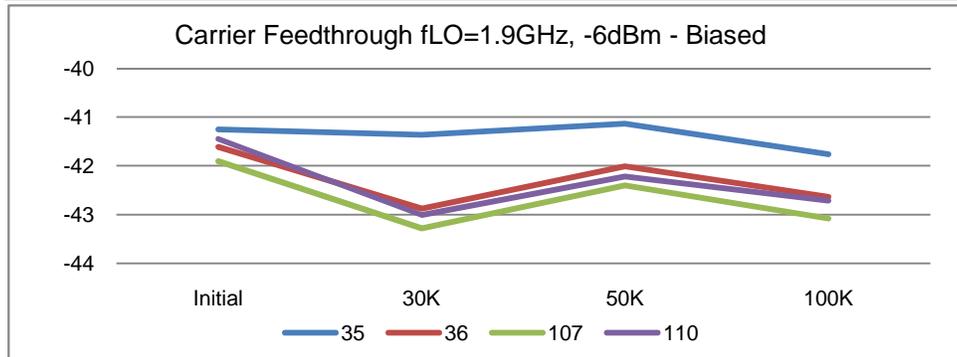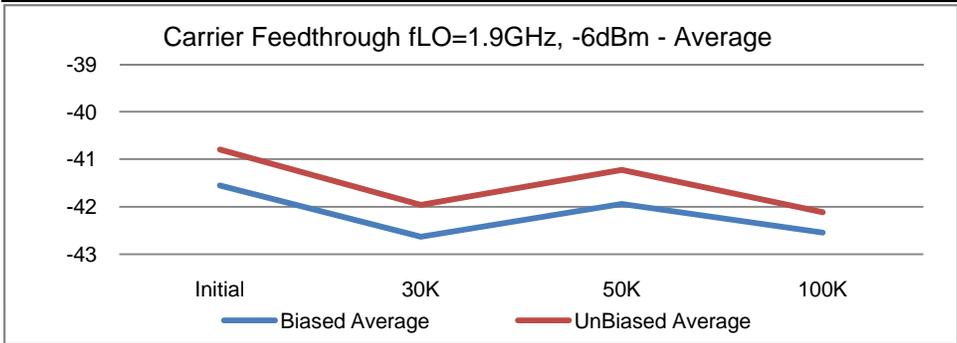
	T# 22	P_SUPP_1900M_5V_-6dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-36.6974**	**-37.4217**	**-37.28054**	**-36.86416**	**<-25**
	104	**-37.3189**	**-36.0974**	**-38.01398**	**-37.87057**	
Biased	**35**	-36.6865	-35.7284	-36.92078	-36.74831	
	36	-38.7637	-38.1735	-39.35775	-38.72903	
	107	-41.1918	-36.811	-41.83237	-41.21917	
	110	-33.7924	-31.6668	-33.85958	-33.75796	
	Min	-41.1918	-38.1735	-41.8324	-41.2192	
	Max	-33.7924	-31.6668	-33.8596	-33.7580	
	Average	-37.6086	-35.5950	-37.9926	-37.6136	
UnBiased	**33**	-36.9755	-36.3108	-37.3871	-37.05269	
	34	-37.4237	-35.4964	-37.53596	-37.32259	
	109	-36.7901	-36.0518	-37.05036	-36.58383	
	111	-38.8671	-36.4255	-39.17763	-38.63063	
	Min	-38.8671	-36.4255	-39.1776	-38.6306	
	Max	-36.7901	-35.4964	-37.0504	-36.5838	
	Average	-37.5141	-36.0711	-37.7878	-37.3974	

Sideband Suppression fLO=1.9GHz, -6dBm - Average

Sideband Suppression fLO=1.9GHz, -6dBm - Biased

Sideband Suppression fLO=1.9GHz, -6dBm - UnBiased
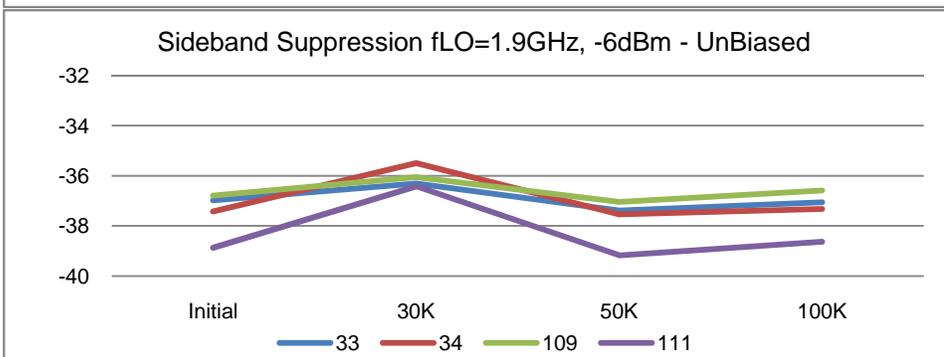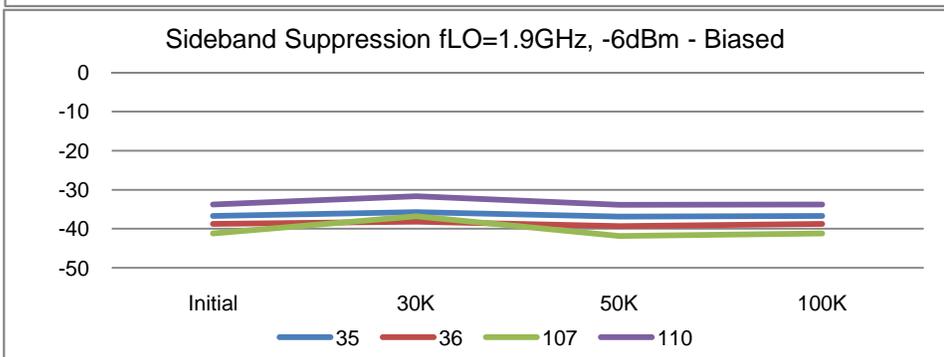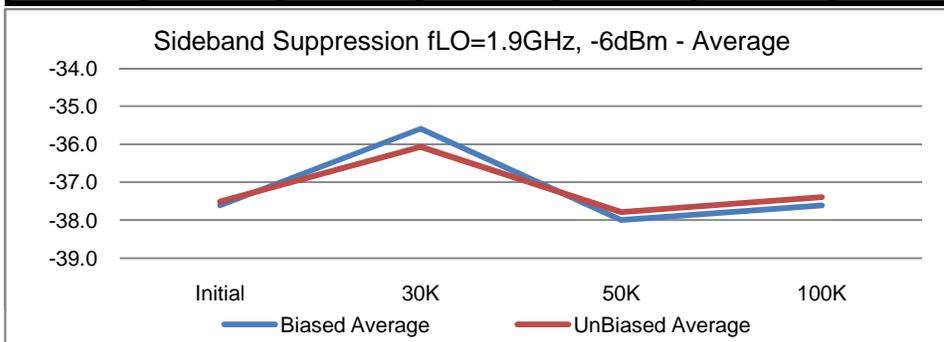
T# 23	P_2ndL_1900M_5V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-59.08229**	**-51.114**	**-61.69595**	**-60.29629**	**<-45**
104	**-60.93357**	**-52.2857**	**-61.70322**	**-62.16206**	
Biased 35	-58.76651	-52.0332	-60.44784	-60.51559	
36	-65.12261	-53.9166	-65.77377	-65.02332	
107	-64.69505	-54.294	-67.68464	-66.68662	
110	-60.10851	-52.42	-61.52225	-61.24635	
Min	-65.1226	-54.2939	-67.6846	-66.6866	
Max	-58.7665	-52.0332	-60.4478	-60.5156	
Average	-62.1732	-53.1659	-63.8571	-63.3680	
UnBiased 33	-64.0792	-54.8227	-65.50055	-65.14757	
34	-64.03227	-52.7306	-67.90617	-66.18594	
109	-65.54207	-54.5937	-69.93691	-66.94589	
111	-60.01772	-53.6685	-62.0587	-61.92913	
Min	-65.5421	-54.8227	-69.9369	-66.9459	
Max	-60.0177	-52.7306	-62.0587	-61.9291	
Average	-63.4178	-53.9539	-66.3506	-65.0521	

2nd Lower Harmonic fLO=1.9GHz, -6dBm - Average

2nd Lower Harmonic fLO=1.9GHz, -6dBm - Biased

2nd Lower Harmonic fLO=1.9GHz, -6dBm - UnBiased
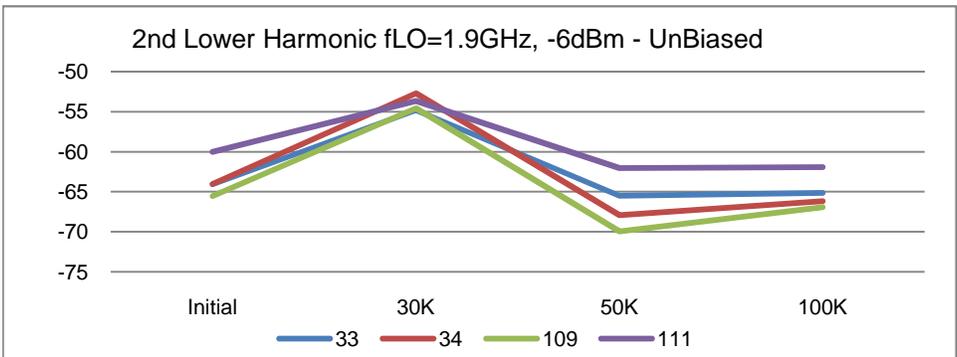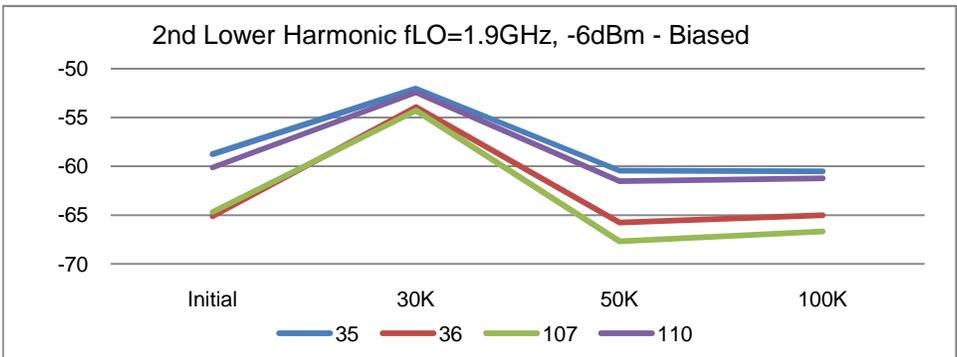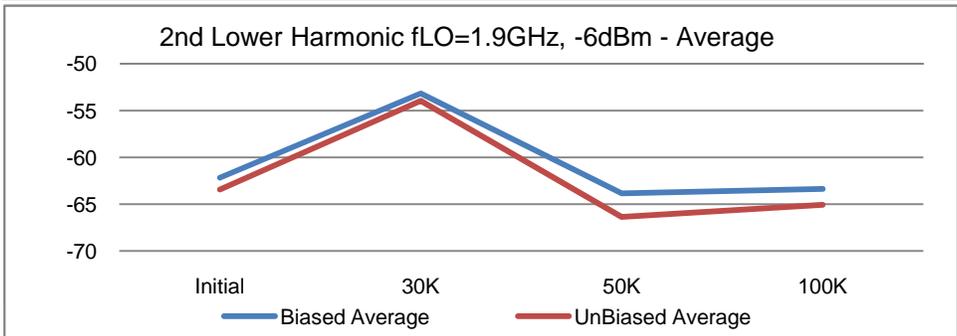
	T# 24	P_2ndU_1900M_5V_-6dBm			dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	**-73.7598**	**-54.9828**	**-76.33595**	**-75.71998**	**<-45**
	104	**-65.5282**	**-55.5551**	**-63.75193**	**-64.97828**	
Biased	35	-67.2508	-55.3611	-66.14753	-64.64182	
	36	-62.7104	-53.9946	-64.88552	-63.39879	
	107	-65.6586	-55.242	-66.59985	-67.23348	
	110	-65.2883	-55.4775	-71.18391	-69.67281	
	Min	-67.2508	-55.4775	-71.1839	-69.6728	
	Max	-62.7104	-53.9946	-64.8855	-63.3988	
	Average	-65.2270	-55.0188	-67.2042	-66.2367	
UnBiased	33	-63.664	-53.3229	-63.38504	-62.87915	
	34	-63.3728	-53.3193	-68.116	-68.09914	
	109	-63.5241	-56.1188	-65.52879	-66.67744	
	111	-65.195	-57.2877	-63.90871	-62.0123	
	Min	-65.1950	-57.2877	-68.1160	-68.0991	
	Max	-63.3728	-53.3193	-63.3850	-62.0123	
	Average	-63.9390	-55.0122	-65.2346	-64.9170	

2nd Upper Harmonic fLO=1.9GHz, -6dBm - Average

2nd Upper Harmonic fLO=1.9GHz, -6dBm - Biased

2nd Upper Harmonic fLO=1.9GHz, -6dBm - UnBiased
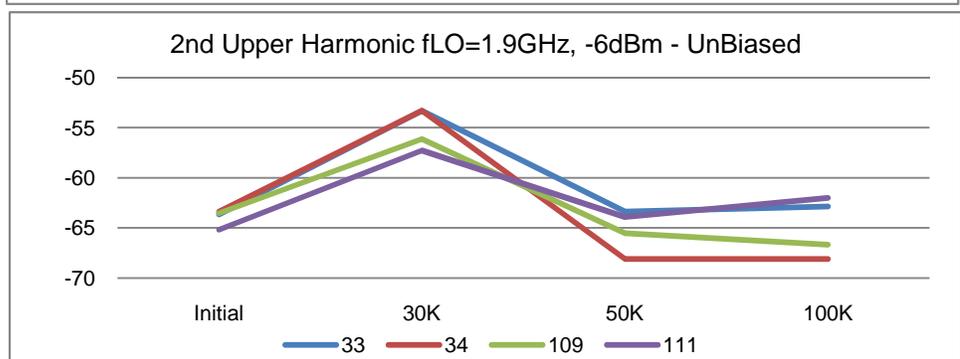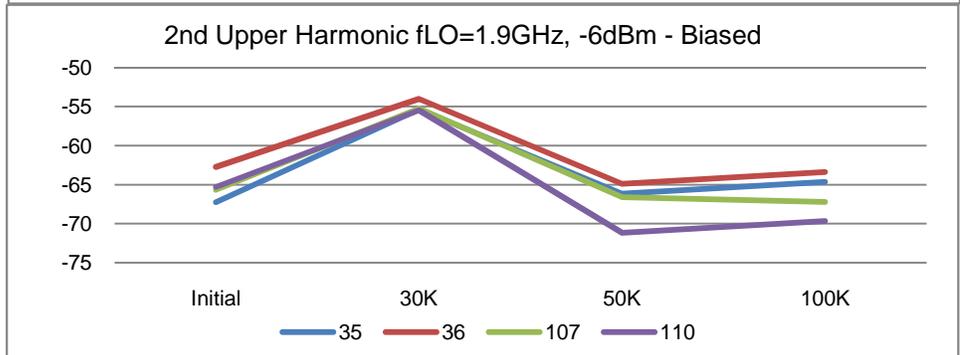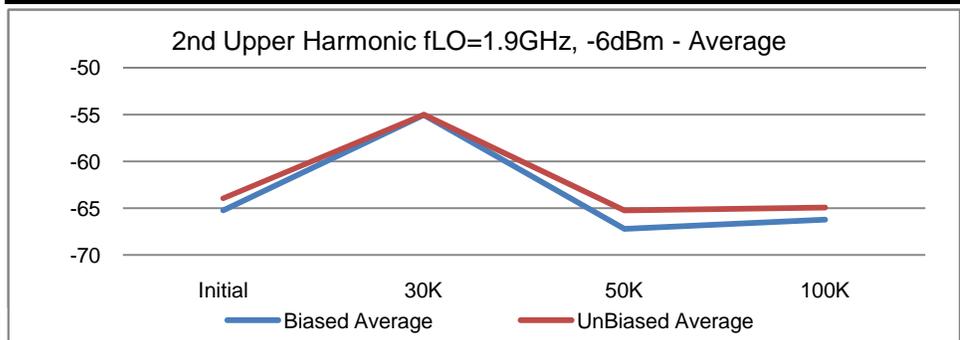
T# 25	P_3rdU_1900M_5V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control **38**	**-53.7059**	**-54.9806**	**-55.37602**	**-54.45077**	**<-46**
104	**-56.22919**	**-57.2214**	**-57.10365**	**-56.0305**	
Biased **35**	-57.28473	-57.0918	-57.12027	-56.43891	
36	-55.5268	-56.3319	-56.67632	-55.79004	
107	-53.08357	-53.796	-54.70559	-54.12304	
110	-60.12684	-60.694	-62.72191	-61.27796	
Min	-60.1268	-60.6940	-62.7219	-61.2780	
Max	-53.0836	-53.7957	-54.7056	-54.1230	
Average	-56.5055	-56.9783	-57.8060	-56.9075	
UnBiased **33**	-53.48312	-54.4244	-54.83535	-54.91565	
34	-54.09811	-54.0009	-54.92452	-54.43372	
109	-53.08712	-53.7589	-54.36129	-53.68501	
111	-55.85677	-56.4469	-57.77768	-56.33051	
Min	-55.8568	-56.4469	-57.7777	-56.3305	
Max	-53.0871	-53.7589	-54.3613	-53.6850	
Average	-54.1313	-54.6578	-55.4747	-54.8412	

3rd Upper Harmonic fLO=1.9GHz, -6dBm - Average

3rd Upper Harmonic fLO=1.9GHz, -6dBm - Biased

3rd Upper Harmonic fLO=1.9GHz, -6dBm - UnBiased
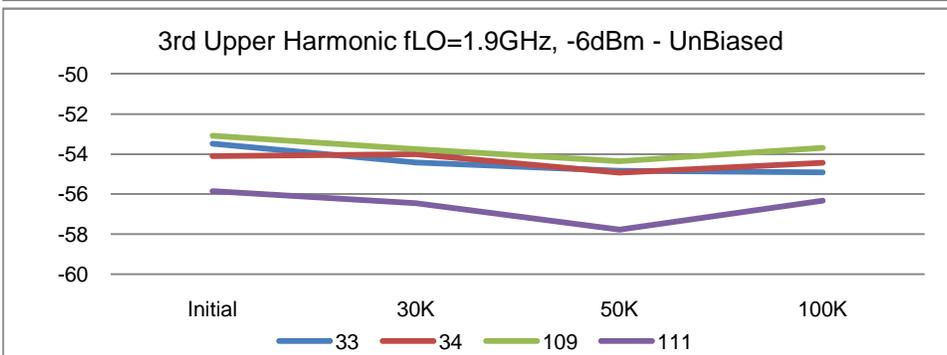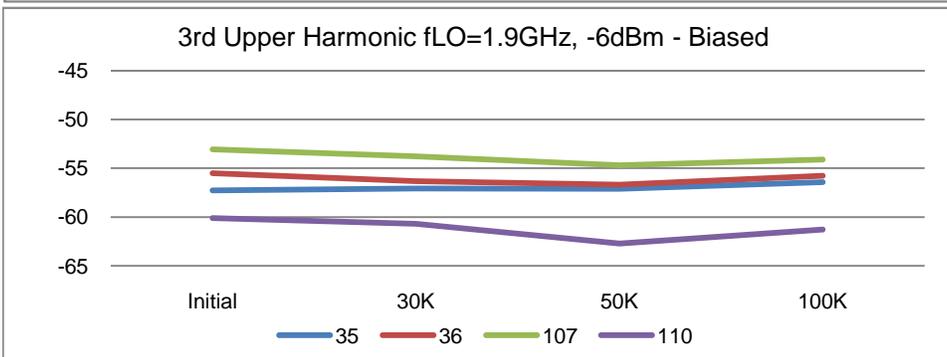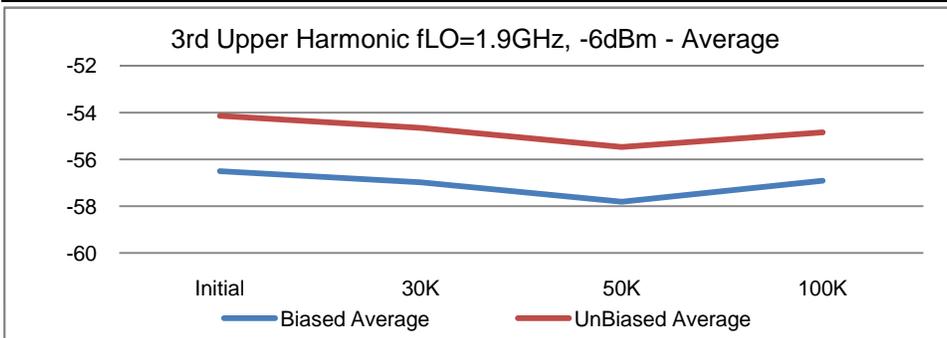
T# 26	P_OUT_2300M_5V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-9.85045**	**-9.93642**	**-9.73062**	**-10.60252**	**>-16**
104	**-10.1576**	**-10.2101**	**-10.04506**	**-10.92031**	**<-7**
Biased 35	-10.0456	-10.1668	-9.95323	-10.84416	
36	-10.1225	-10.2969	-10.05892	-10.98676	
107	-10.0019	-10.107	-9.92061	-10.80096	
110	-10.1139	-10.6131	-10.46196	-11.3577	
Min	-10.1225	-10.6131	-10.4620	-11.3577	
Max	-10.0019	-10.1066	-9.9206	-10.8010	
Average	-10.0709	-10.2958	-10.0987	-10.9974	
UnBiased 33	-10.1548	-10.2021	-9.922	-10.88319	
34	-10.1143	-10.1604	-9.93733	-10.85928	
109	-9.94367	-10.3489	-10.19094	-11.11729	
111	-9.7272	-10.1708	-10.02135	-10.94624	
Min	-10.1548	-10.3489	-10.1909	-11.1173	
Max	-9.7272	-10.1604	-9.9220	-10.8593	
Average	-9.9850	-10.2205	-10.0179	-10.9515	

Output Power fLO=2.3GHz, -6dBm - Average

Output Power fLO=2.3GHz, -6dBm - Biased

Output Power fLO=2.3GHz, -6dBm - UnBiased
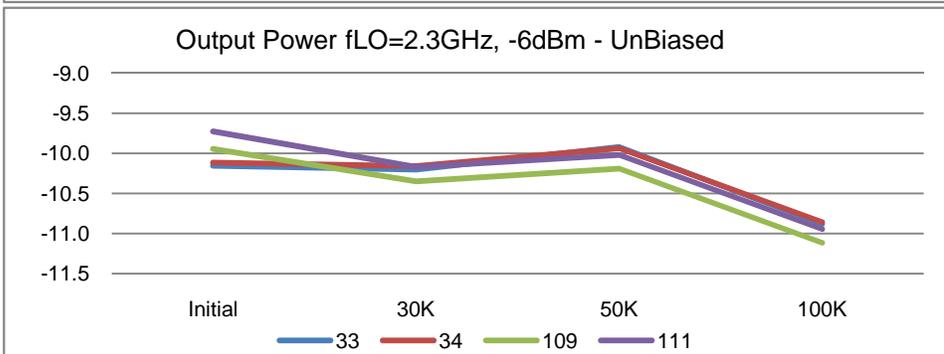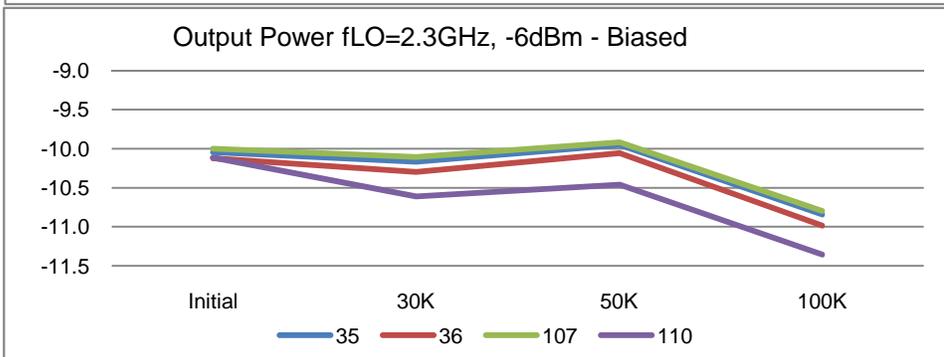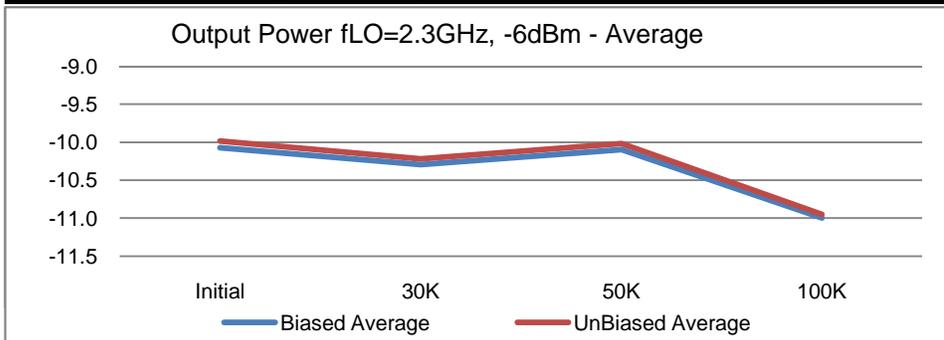
T# 27	P_FDTH_2300M_5V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-46.87352**	**-47.3017**	**-46.6049**	**-47.43824**	**<-34**
104	**-40.66357**	**-41.0213**	**-40.36247**	**-41.34754**	
Biased 35	-39.98338	-40.3109	-39.92805	-40.60682	
36	-40.46856	-41.0685	-40.31503	-41.12997	
107	-40.87181	-41.696	-40.80876	-41.76054	
110	-40.87816	-41.5994	-40.95271	-41.8551	
Min	-40.8782	-41.6960	-40.9527	-41.8551	
Max	-39.9834	-40.3109	-39.9281	-40.6068	
Average	-40.5505	-41.1687	-40.5011	-41.3381	
UnBiased 33	-38.37828	-38.8827	-38.28421	-39.37646	
34	-40.84917	-41.7162	-40.34665	-41.44506	
109	-40.3051	-41.1863	-40.50217	-41.52017	
111	-40.45256	-40.9866	-40.71267	-41.75755	
Min	-40.8492	-41.7162	-40.7127	-41.7576	
Max	-38.3783	-38.8827	-38.2842	-39.3765	
Average	-39.9963	-40.6930	-39.9614	-41.0248	

Carrier Feedthrough fLO=2.3GHz, -6dBm - Average

Carrier Feedthrough fLO=2.3GHz, -6dBm - Biased

Carrier Feedthrough fLO=2.3GHz, -6dBm - UnBiased
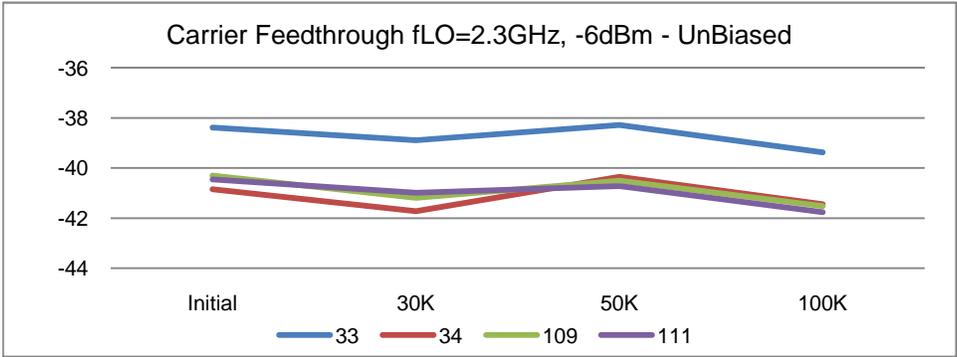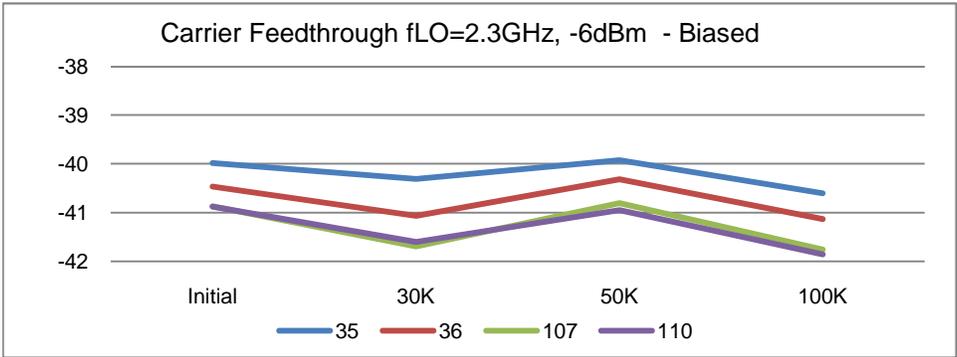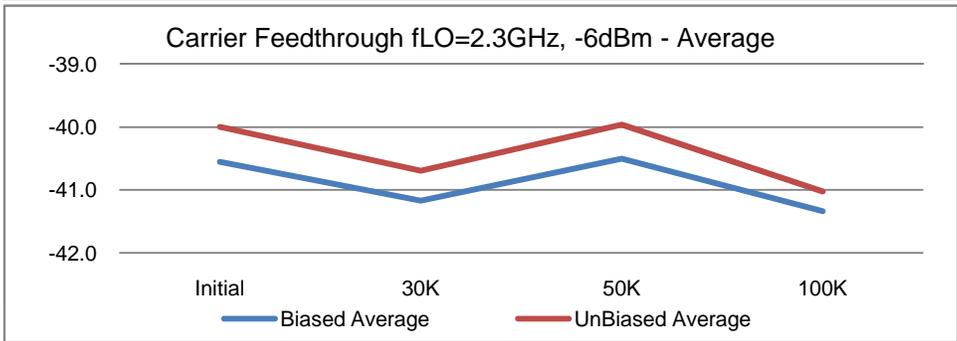
T# 28		P_SUPP_2300M_5V_-6dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-39.1525**	**-40.1638**	**-39.06416**	**-38.68121**	**<-25**
104	**-40.3797**	**-38.5566**	**-40.98315**	**-40.60887**	
Biased 35	-39.3906	-37.863	-39.44995	-39.08018	
36	-42.0176	-41.1594	-42.0562	-41.38673	
107	-47.3988	-39.107	-47.57256	-45.94146	
110	-34.3706	-32.6065	-34.14805	-34.16572	
Min	-47.3988	-41.1594	-47.5726	-45.9415	
Max	-34.3706	-32.6065	-34.1481	-34.1657	
Average	-40.7944	-37.6839	-40.8067	-40.1435	
UnBiased 33	-40.5644	-39.4052	-40.89867	-40.49966	
34	-41.3574	-37.9064	-41.0911	-40.95225	
109	-38.509	-38.8262	-38.63151	-38.11819	
111	-40.6976	-38.2635	-41.07402	-40.29287	
Min	-41.3574	-39.4052	-41.0911	-40.9523	
Max	-38.5090	-37.9064	-38.6315	-38.1182	
Average	-40.2821	-38.6003	-40.4238	-39.9657	

Sideband Suppression fLO=2.3GHz, -6dBm - Average

Sideband Suppression fLO=2.3GHz, -6dBm - Biased

Sideband Suppression fLO=2.3GHz, -6dBm - UnBiased
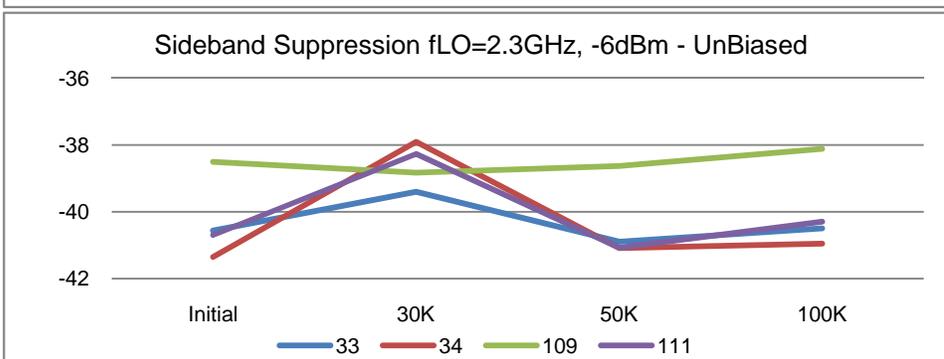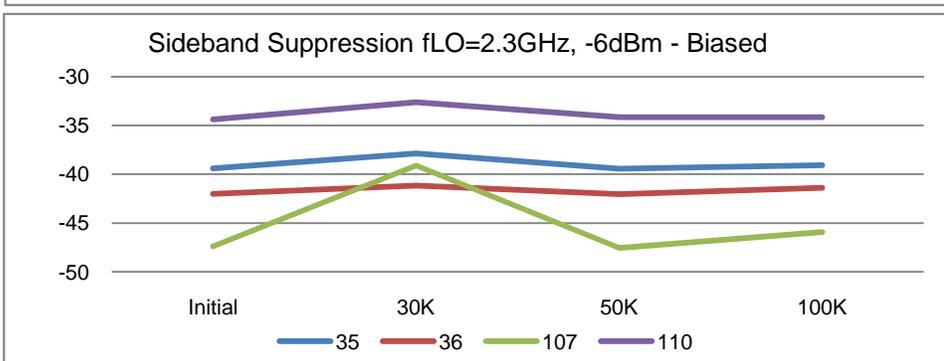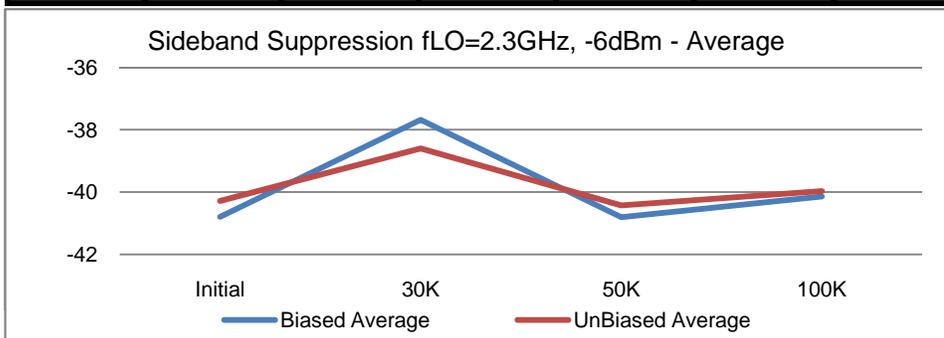
T# 29		P_2ndL_2300M_5V_-6dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control					
38	-71.47806	-52.4629	-74.61267	-77.68716	<-45
104	-61.93774	-55.4443	-63.76104	-62.00563	
35	-64.08322	-53.5402	-64.70454	-63.12091	
36	-63.35692	-54.9085	-65.30132	-62.29808	
107	-66.26057	-56.686	-65.58586	-62.42259	
110	-67.85873	-53.3306	-75.92465	-70.40235	
Min	-67.8587	-56.6863	-75.9247	-70.4024	
Max	-63.3569	-53.3306	-64.7045	-62.2981	
Average	-65.3899	-54.6164	-67.8791	-64.5610	
33	-61.93517	-55.8256	-61.46986	-60.75745	
34	-69.3368	-53.8905	-64.51173	-63.67882	
109	-65.10012	-56.6362	-65.21776	-61.12399	
111	-62.28096	-57.1388	-61.75981	-59.70263	
Min	-69.3368	-57.1388	-65.2178	-63.6788	
Max	-61.9352	-53.8905	-61.4699	-59.7026	
Average	-64.6633	-55.8728	-63.2398	-61.3157	

(Row labels: "Control" spans SN 38 and 104; "Biased" spans SN 35, 36, 107, 110, Min, Max, Average; "UnBiased" spans SN 33, 34, 109, 111, Min, Max, Average)

2nd Lower Harmonic fLO=2.3GHz, -6dBm - Average
(Biased Average, UnBiased Average)

2nd Lower Harmonic fLO=2.3GHz, -6dBm - Biased
(35, 36, 107, 110)

2nd Lower Harmonic fLO=2.3GHz, -6dBm - UnBiased
(33, 34, 109, 111)
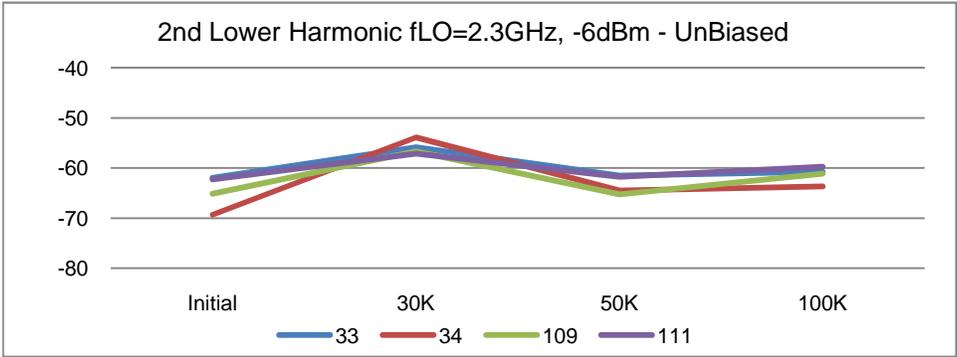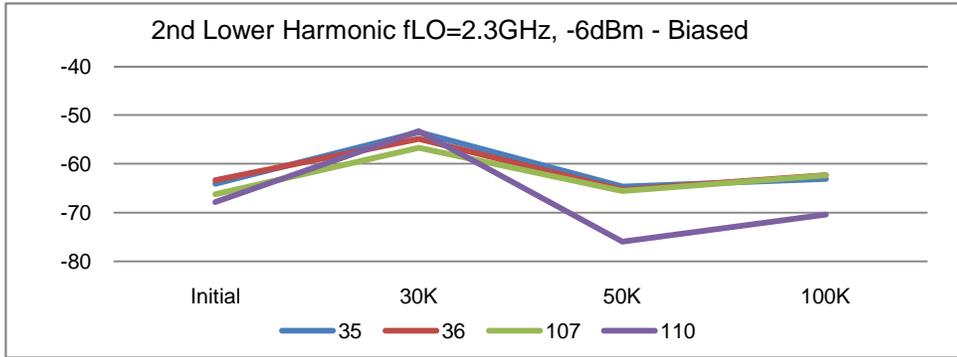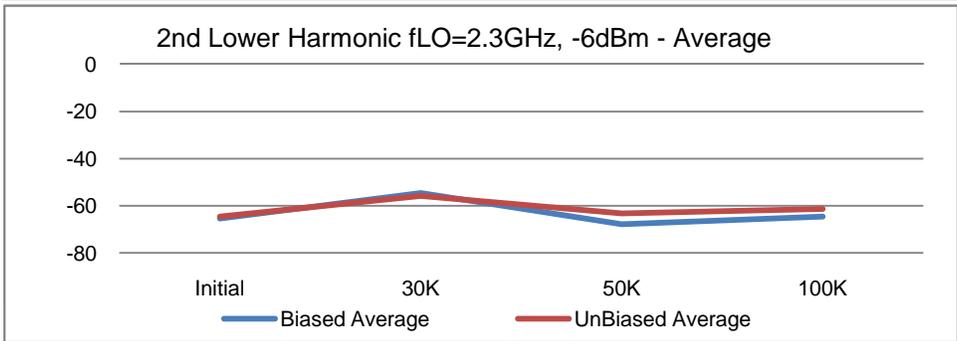
	T# 30	P_2ndU_2300M_5V_-6dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-66.3785**	**-54.4142**	**-65.24864**	**-66.82934**	**<-48**
	104	**-69.2768**	**-55.1877**	**-67.62824**	**-64.19114**	
Biased	**35**	-70.8775	-56.1208	-64.71274	-62.7043	
	36	-69.634	-54.732	-67.73515	-65.10027	
	107	-63.3833	-56.805	-65.16353	-64.04546	
	110	-71.7831	-54.6015	-67.94911	-76.18391	
	Min	-71.7831	-56.8051	-67.9491	-76.1839	
	Max	-63.3833	-54.6015	-64.7127	-62.7043	
	Average	-68.9195	-55.5648	-66.3901	-67.0085	
UnBiased	**33**	-63.6652	-53.8926	-64.78107	-66.15561	
	34	-72.0935	-54.98	-68.94164	-68.75521	
	109	-63.445	-56.3228	-62.37327	-63.76558	
	111	-64.2729	-56.222	-64.49664	-62.31255	
	Min	-72.0935	-56.3228	-68.9416	-68.7552	
	Max	-63.4450	-53.8926	-62.3733	-62.3126	
	Average	-65.8691	-55.3544	-65.1482	-65.2472	

2nd Upper Harmonic fLO=2.3GHz, -6dBm - Average

2nd Upper Harmonic fLO=2.3GHz, -6dBm - Biased

2nd Upper Harmonic fLO=2.3GHz, -6dBm - UnBiased
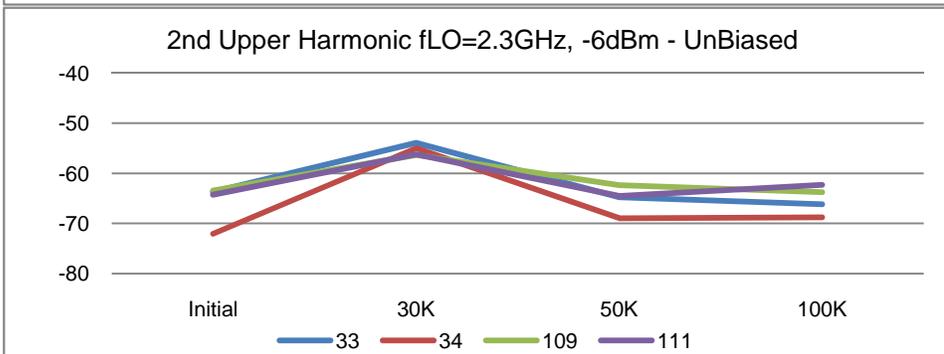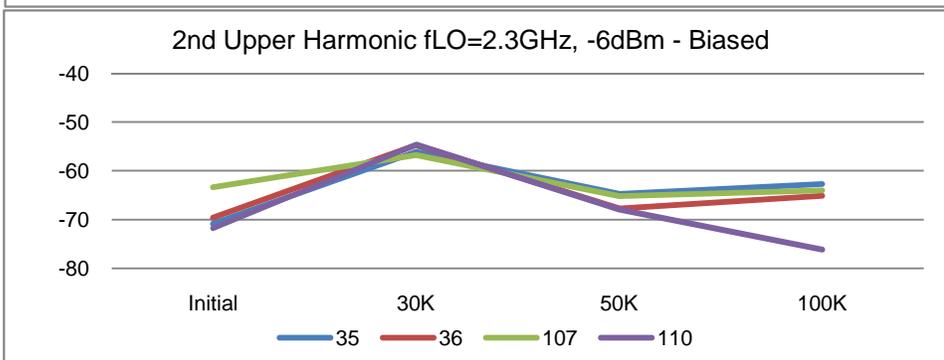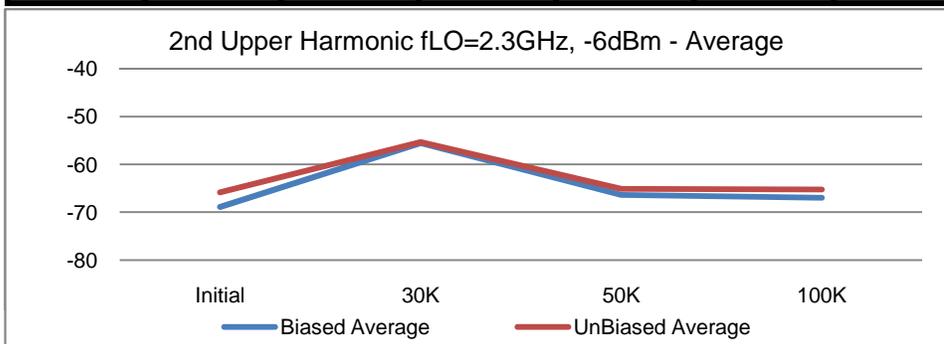
T# 31	P_3rdU_2300M_5V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-60.3033**	**-60.5001**	**-64.21913**	**-60.08294**	
104	**-59.79311**	**-63.1057**	**-61.441**	**-61.37469**	
Biased 35	-60.78652	-64.1395	-66.81047	-62.45358	
36	-62.67098	-61.0123	-63.33659	-62.47449	
107	-61.92609	-58.780	-62.38467	-60.61135	
110	-57.68796	-59.0502	-61.37845	-59.88945	
Min	-62.6710	-64.1395	-66.8105	-62.4745	
Max	-57.6880	-58.7804	-61.3785	-59.8895	
Average	-60.7679	-60.7456	-63.4775	-61.3572	
UnBiased 33	-61.2758	-59.3964	-60.5113	-60.23523	
34	-61.61872	-59.0932	-62.00529	-62.6192	
109	-58.74094	-59.9925	-61.92944	-61.77463	
111	-62.88302	-62.0958	-62.57653	-63.53335	
Min	-62.8830	-62.0958	-62.5765	-63.5334	
Max	-58.7409	-59.0932	-60.5113	-60.2352	
Average	-61.1296	-60.1445	-61.7556	-62.0406	

3rd Upper Harmonic fLO=2.3GHz, -6dBm - Average

3rd Upper Harmonic fLO=2.3GHz, -6dBm - Biased

3rd Upper Harmonic fLO=2.3GHz, -6dBm - UnBiased
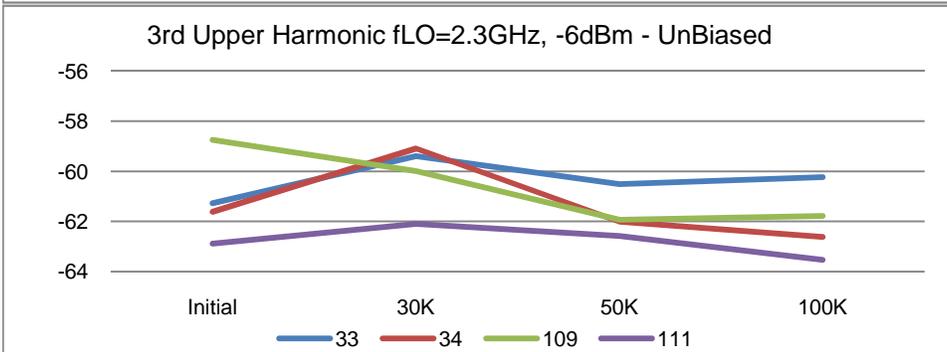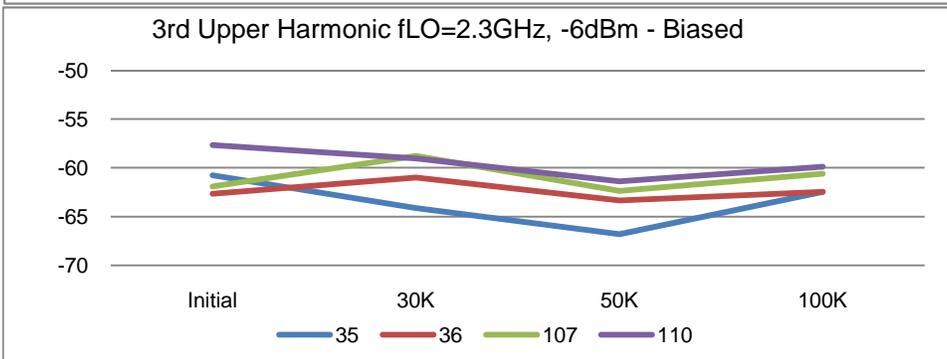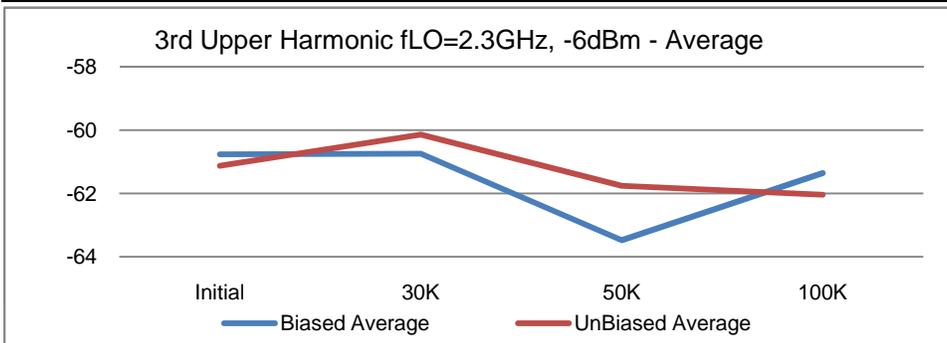
T# 32		P_OUT_800M_5V_-12dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-6.33903**	**-6.54353**	**-6.3687**	**-7.0134**	**>-11**
104	**-6.53573**	**-6.65902**	**-6.50875**	**-7.15961**	**<-4**
Biased 35	-6.36038	-6.52347	-6.36422	-7.01398	
36	-6.46102	-6.63372	-6.46933	-7.12382	
107	-6.44968	-6.608	-6.4432	-7.08673	
110	-6.40305	-6.64614	-6.5034	-7.16116	
Min	-6.4610	-6.6461	-6.5034	-7.1612	
Max	-6.3604	-6.5235	-6.3642	-7.0140	
Average	-6.4185	-6.6029	-6.4450	-7.0964	
UnBiased 33	-6.45083	-6.63383	-6.45853	-7.1052	
34	-6.46268	-6.63331	-6.46869	-7.12751	
109	-6.47828	-6.72358	-6.59104	-7.26558	
111	-6.3076	-6.52398	-6.40438	-7.05113	
Min	-6.4783	-6.7236	-6.5910	-7.2656	
Max	-6.3076	-6.5240	-6.4044	-7.0511	
Average	-6.4248	-6.6287	-6.4807	-7.1374	

Output Power fLO=800MHz, -12dBm - Average

Output Power fLO=800MHz, -12dBm - Biased

Output Power fLO=800MHz, -12dBm - UnBiased
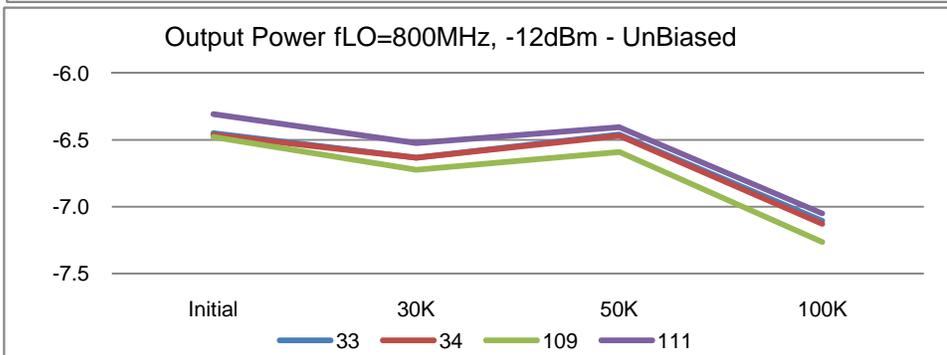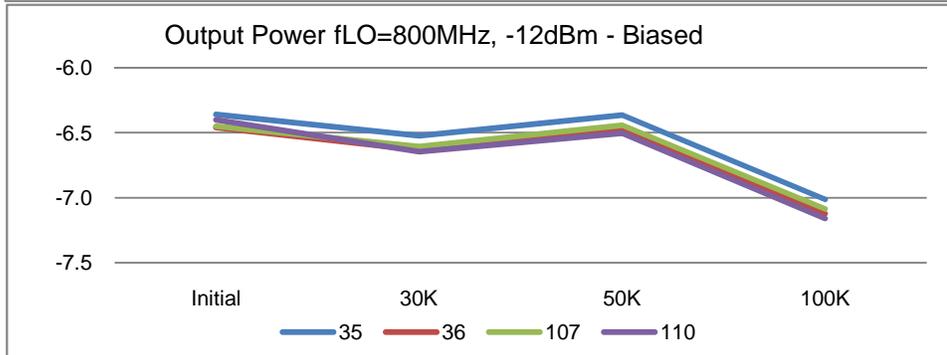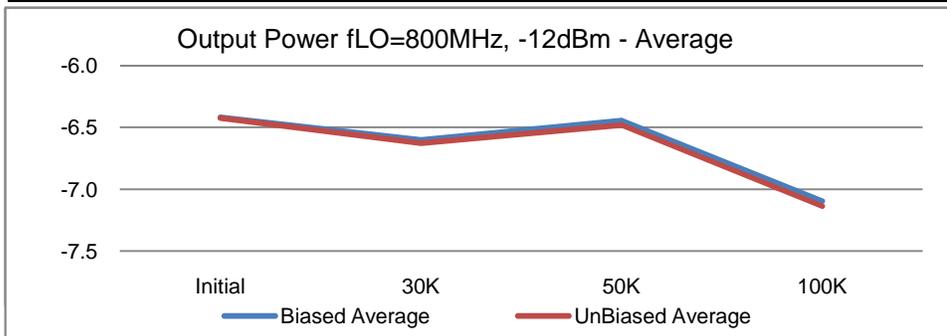
T# 33	P_FDTH_800M_5V_-12dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control	38	-44.28457	-43.7104	-44.53775	-45.05764	<-35

	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-44.28457**	**-43.7104**	**-44.53775**	**-45.05764**	**<-35**
	104	**-41.79975**	**-41.7529**	**-41.85427**	**-42.55938**	
Biased	**35**	-40.84616	-41.148	-41.07282	-41.79454	
	36	-46.97432	-48.6834	-47.48371	-48.32673	
	107	-45.37108	-46.664	-45.80416	-46.69366	
	110	-47.5519	-48.839	-48.26718	-48.87996	
	Min	-47.5519	-48.8390	-48.2672	-48.8800	
	Max	-40.8462	-41.1480	-41.0728	-41.7945	
	Average	-45.1859	-46.3335	-45.6570	-46.4237	
UnBiased	**33**	-41.14705	-41.8481	-41.24306	-42.44342	
	34	-44.70247	-45.5048	-44.55999	-45.47335	
	109	-44.22981	-45.5281	-44.94004	-46.18751	
	111	-43.70505	-44.1719	-44.12062	-45.03106	
	Min	-44.7025	-45.5281	-44.9400	-46.1875	
	Max	-41.1471	-41.8481	-41.2431	-42.4434	
	Average	-43.4461	-44.2632	-43.7159	-44.7838	

Carrier Feedthrough fLO=800MHz, -12dBm - Average

Carrier Feedthrough fLO=800MHz, -12dBm - Biased

Carrier Feedthrough fLO=800MHz, -12dBm - UnBiased
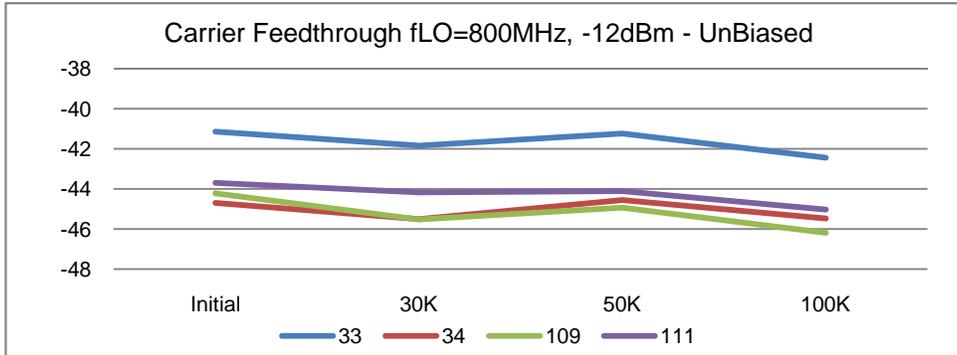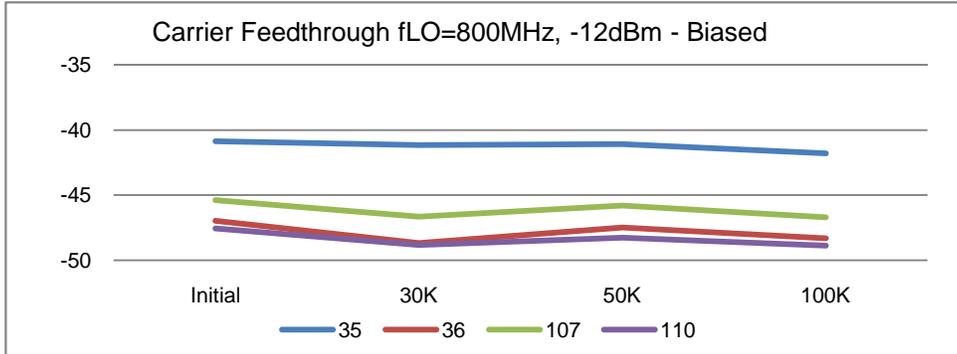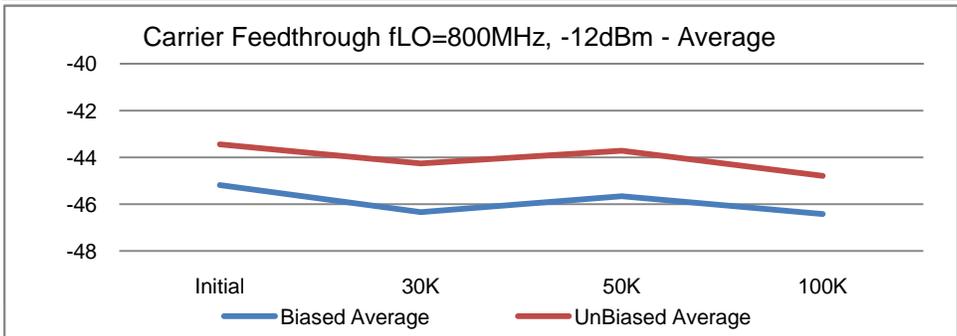
T# 34	P_SUPP_800M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-47.154**	**-48.419**	**-47.60596**	**-46.25834**	**<-28**
104	**-50.1524**	**-40.1919**	**-51.78388**	**-54.36224**	
Biased 35	-50.7971	-41.5252	-50.71113	-51.94135	
36	-49.5037	-43.8004	-50.38528	-48.55556	
107	-54.2697	-38.323	-55.59335	-73.14508	
110	-41.8857	-34.0589	-41.4398	-42.86751	
Min	-54.2697	-43.8004	-55.5934	-73.1451	
Max	-41.8857	-34.0589	-41.4398	-42.8675	
Average	-49.1140	-39.4268	-49.5324	-54.1274	
UnBiased 33	-47.7461	-41.9393	-48.29779	-48.14959	
34	-46.2389	-38.43	-44.8912	-46.78164	
109	-43.6037	-40.8097	-44.22018	-43.58099	
111	-46.5524	-39.2685	-47.88532	-46.31156	
Min	-47.7461	-41.9393	-48.2978	-48.1496	
Max	-43.6037	-38.4300	-44.2202	-43.5810	
Average	-46.0353	-40.1119	-46.3236	-46.2059	

Sideband Suppression fLO=800MHz, -12dBm - Average

Sideband Suppression fLO=800MHz, -12dBm - Biased

Sideband Suppression fLO=800MHz, -12dBm - UnBiased
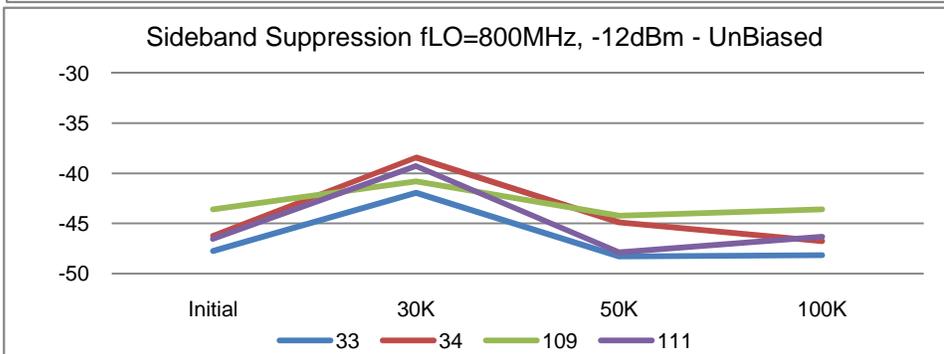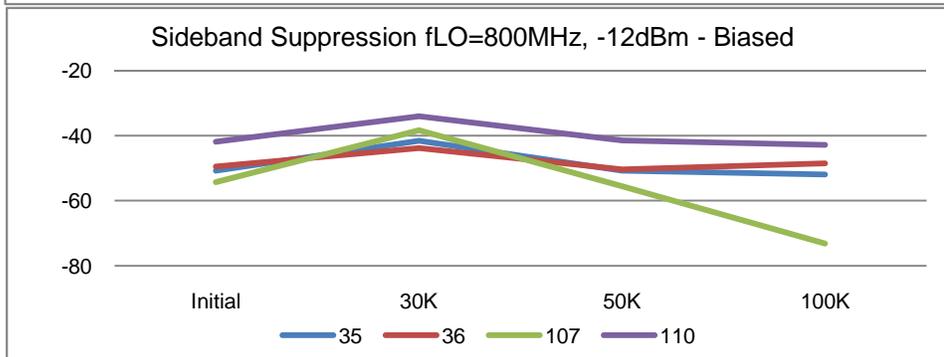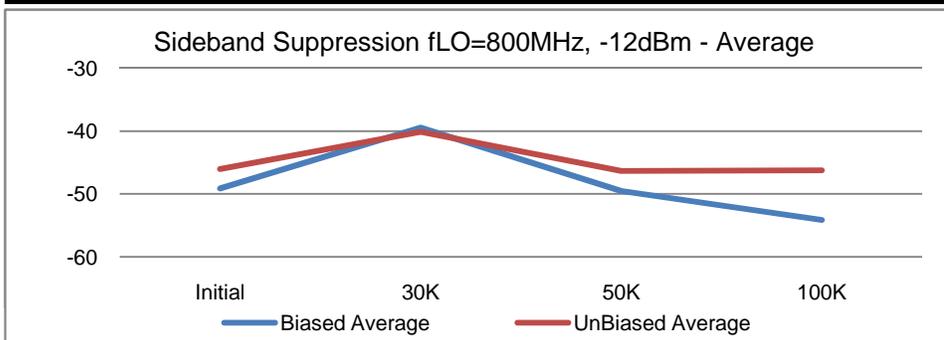
T# 35	P_2ndL_800M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-51.80383**	**-52.5946**	**-52.90718**	**-52.32154**	**<-42**
Control 104	**-51.7575**	**-52.9505**	**-52.34618**	**-52.53519**	
Biased 35	-51.31843	-52.2397	-51.85894	-51.43513	
Biased 36	-52.0043	-54.3464	-52.88849	-53.87679	
Biased 107	-51.76984	-53.321	-52.82873	-52.42585	
Biased 110	-51.98476	-54.4534	-54.12311	-53.47834	
Biased Min	-52.0043	-54.4534	-54.1231	-53.8768	
Biased Max	-51.3184	-52.2397	-51.8589	-51.4351	
Biased Average	-51.7693	-53.5900	-52.9248	-52.8040	
UnBiased 33	-51.66945	-53.4346	-52.72812	-52.4708	
UnBiased 34	-52.33785	-53.8669	-53.00129	-52.7896	
UnBiased 109	-51.33313	-53.798	-52.82785	-52.29521	
UnBiased 111	-51.68761	-53.5308	-52.89099	-52.62393	
UnBiased Min	-52.3379	-53.8669	-53.0013	-52.7896	
UnBiased Max	-51.3331	-53.4346	-52.7281	-52.2952	
UnBiased Average	-51.7570	-53.6576	-52.8621	-52.5449	

2nd Lower Harmonic fLO=800MHz, -12dBm - Average

2nd Lower Harmonic fLO=800MHz, -12dBm - Biased

2nd Lower Harmonic fLO=800MHz, -12dBm - UnBiased
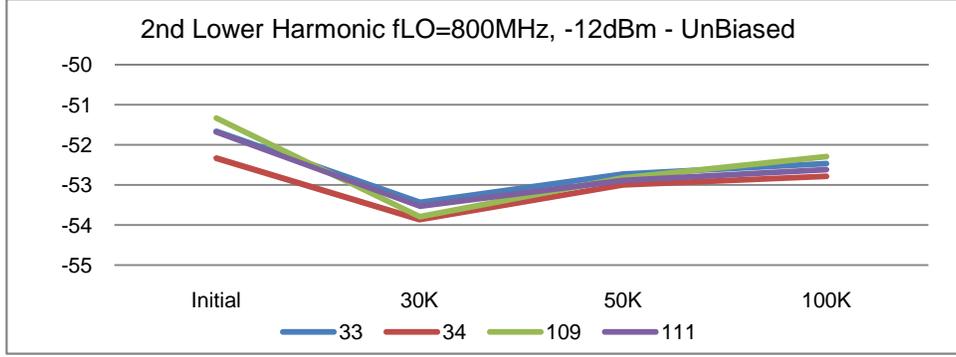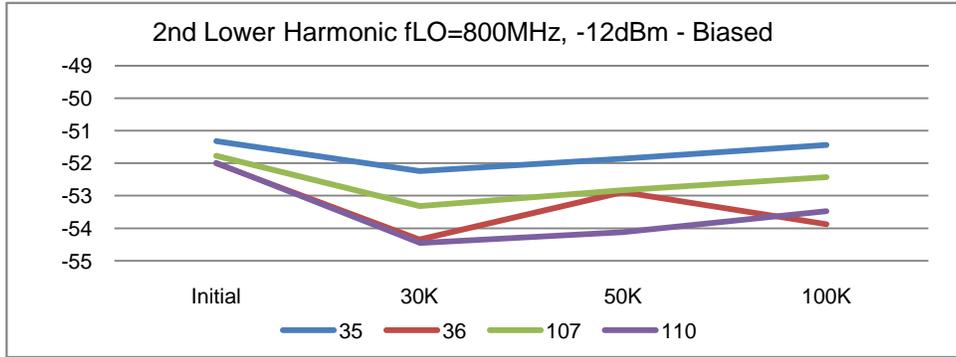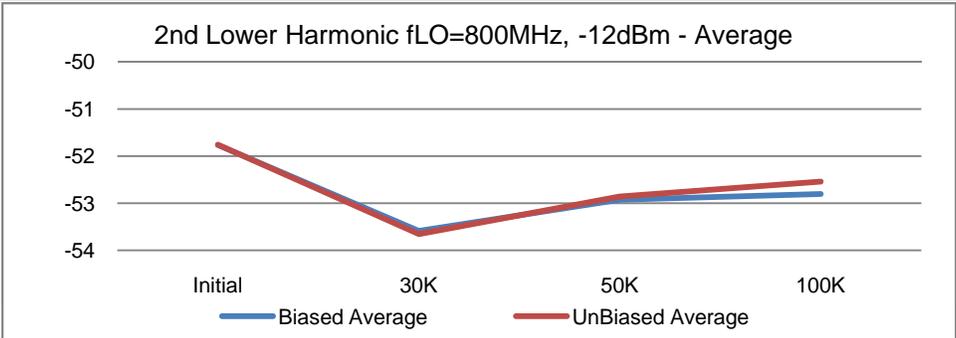
T# 36	P_2ndU_800M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-64.9433**	**-67.5174**	**-64.34939**	**-66.27311**	**<-45**
104	**-63.3715**	**-68.6847**	**-64.39262**	**-64.60651**	
Biased 35	-64.7866	-75.0924	-63.99949	-63.96643	
36	-65.6689	-72.1545	-66.51241	-67.00069	
107	-65.1327	-70.662	-66.29961	-67.61167	
110	-68.1384	-72.4941	-67.60125	-67.64675	
Min	-68.1384	-75.0924	-67.6013	-67.6468	
Max	-64.7866	-70.6616	-63.9995	-63.9664	
Average	-65.9317	-72.6007	-66.1032	-66.5564	
UnBiased 33	-66.5302	-72.6868	-67.19384	-65.51038	
34	-67.8654	-67.8091	-68.80023	-68.52007	
109	-66.2245	-71.8618	-66.22949	-66.80833	
111	-63.3851	-74.3803	-64.21461	-65.06787	
Min	-67.8654	-74.3803	-68.8002	-68.5201	
Max	-63.3851	-67.8091	-64.2146	-65.0679	
Average	-66.0013	-71.6845	-66.6095	-66.4767	

2nd Upper Harmonic fLO=800MHz, -12dBm - Average

2nd Upper Harmonic fLO=800MHz, -12dBm - Biased

2nd Upper Harmonic fLO=800MHz, -12dBm - UnBiased
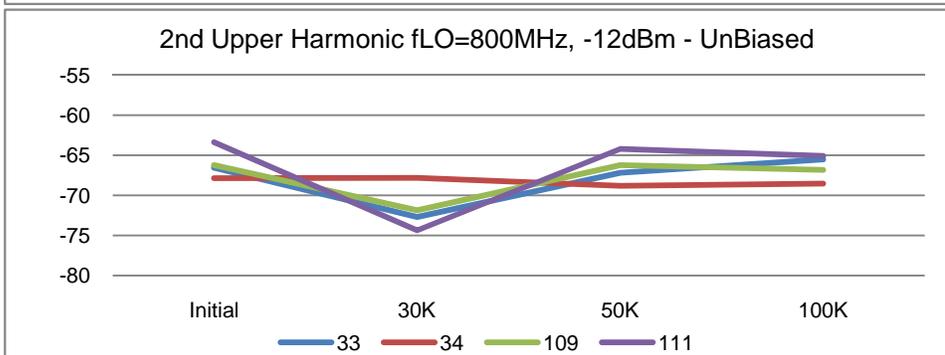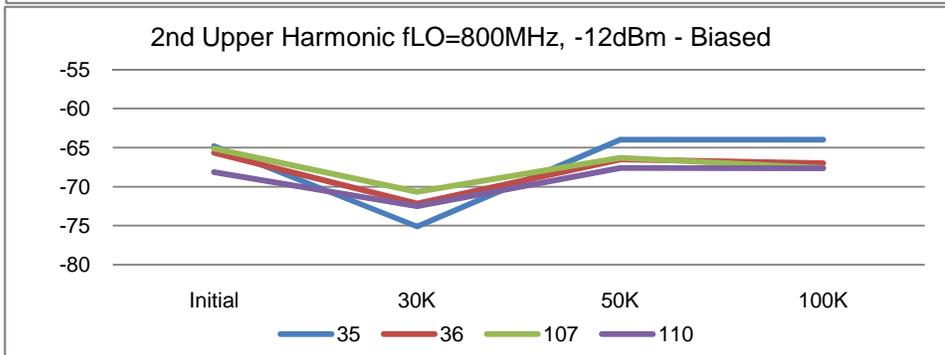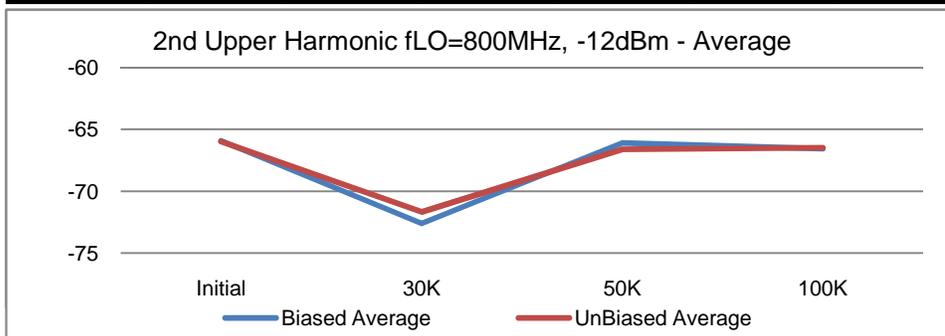
T# 37	P_3rdU_800M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-52.55365**	**-52.3249**	**-53.38459**	**-53.7082**	**<-45**
104	**-53.06793**	**-53.1922**	**-54.02571**	**-54.26779**	
Biased 35	-53.49877	-53.7437	-54.79514	-54.70477	
36	-52.10209	-52.1296	-53.17841	-53.31887	
107	-52.3317	-52.220	-53.38647	-53.13358	
110	-53.28114	-53.0191	-54.4024	-54.55637	
Min	-53.4988	-53.7437	-54.7951	-54.7048	
Max	-52.1021	-52.1296	-53.1784	-53.1336	
Average	-52.8034	-52.7781	-53.9406	-53.9284	
UnBiased 33	-52.14848	-51.6266	-53.45289	-53.24167	
34	-52.0647	-51.5581	-52.91378	-53.1641	
109	-51.7449	-51.6196	-53.67347	-53.52528	
111	-51.42439	-51.3533	-52.75594	-53.33833	
Min	-52.1485	-51.6266	-53.6735	-53.5253	
Max	-51.4244	-51.3533	-52.7559	-53.1641	
Average	-51.8456	-51.5394	-53.1990	-53.3173	

3rd Upper Harmonic fLO=800MHz, -12dBm - Average

3rd Upper Harmonic fLO=800MHz, -12dBm - Biased

3rd Upper Harmonic fLO=800MHz, -12dBm - UnBiased
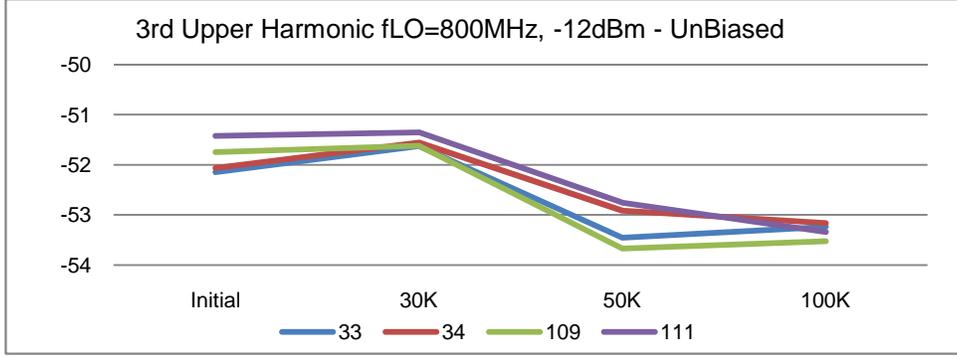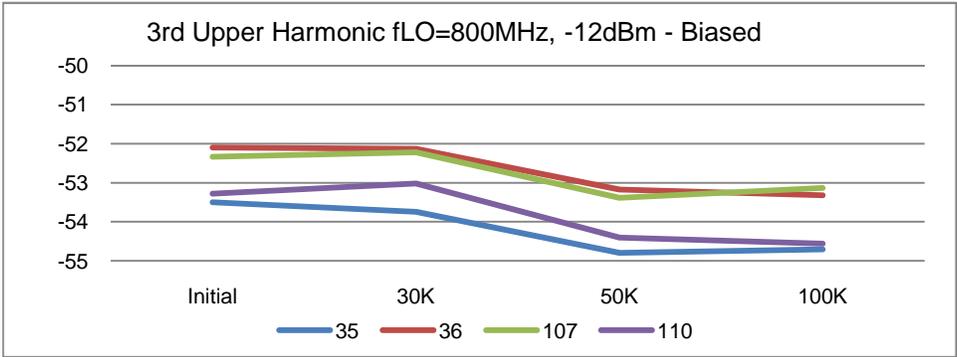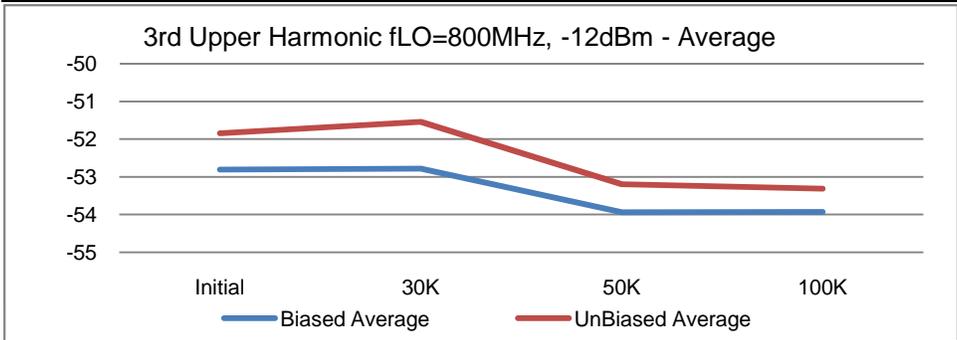
T# 38	P_OUT_1900M_5V_-12dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-9.35092**	**-9.35473**	**-9.38827**	**-10.05037**	**>-13**
Control 104	**-9.70062**	**-9.60727**	**-9.73475**	**-10.34946**	**<-6**
Biased 35	-9.52852	-9.55642	-9.64754	-10.25165	
Biased 36	-9.62177	-9.67396	-9.75646	-10.38333	
Biased 107	-9.52957	-9.508	-9.61212	-10.19075	
Biased 110	-9.82148	-10.1569	-10.33231	-10.95909	
Biased Min	-9.8215	-10.1569	-10.3323	-10.9591	
Biased Max	-9.5285	-9.5084	-9.6121	-10.1908	
Biased Average	-9.6253	-9.7239	-9.8371	-10.4462	
UnBiased 33	-9.60745	-9.58101	-9.6268	-10.29395	
UnBiased 34	-9.58243	-9.56617	-9.65383	-10.29595	
UnBiased 109	-9.39438	-9.69555	-9.84218	-10.51233	
UnBiased 111	-9.31745	-9.61964	-9.77041	-10.40611	
UnBiased Min	-9.6075	-9.6956	-9.8422	-10.5123	
UnBiased Max	-9.3175	-9.5662	-9.6268	-10.2940	
UnBiased Average	-9.4754	-9.6156	-9.7233	-10.3771	

Output Power fLO=1.9GHz, -12dBm - Average

Output Power fLO=1.9GHz, -12dBm - Biased

Output Power fLO=1.9GHz, -12dBm - UnBiased
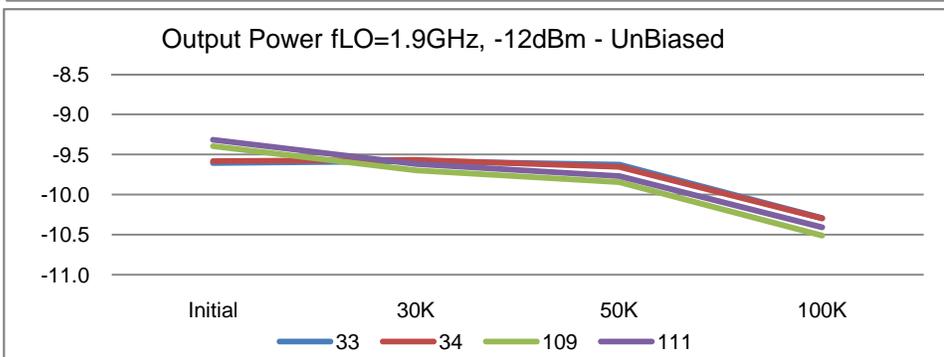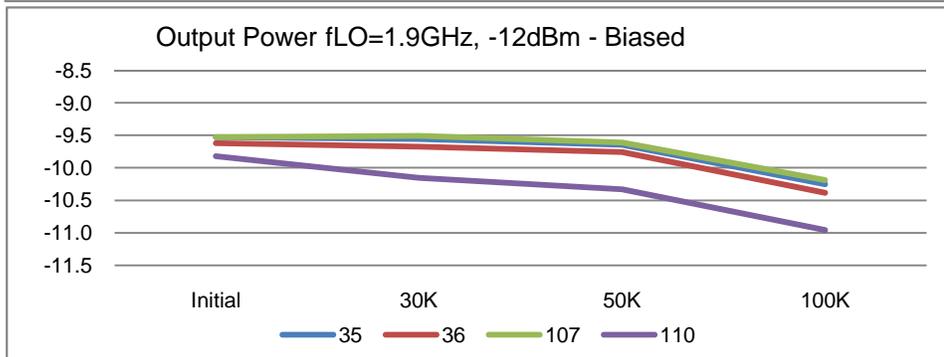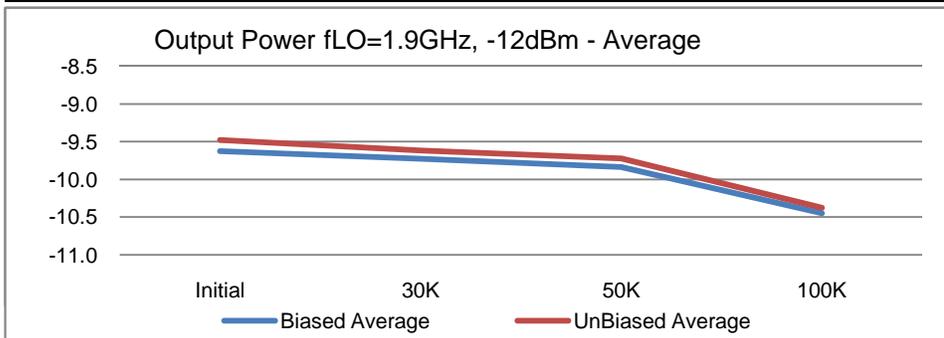
T# 39		P_FDTH_1900M_5V_-12dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-48.61338**	**-47.6473**	**-48.67611**	**-49.42499**	**<-35**
104	**-41.87093**	**-41.7113**	**-41.6799**	**-42.52356**	
Biased 35	-40.88559	-40.7888	-40.92825	-41.60126	
36	-42.16399	-42.8998	-42.53181	-43.18042	
107	-42.4339	-43.273	-42.81741	-43.54084	
110	-43.35999	-44.4505	-44.18278	-44.68707	
Min	-43.3600	-44.4505	-44.1828	-44.6871	
Max	-40.8856	-40.7888	-40.9283	-41.6013	
Average	-42.2109	-42.8529	-42.6151	-43.2524	
UnBiased 33	-39.58499	-40.0146	-39.70391	-40.71992	
34	-42.35637	-43.786	-42.59684	-43.52023	
109	-41.5267	-42.6578	-42.27398	-43.25407	
111	-41.8962	-42.1316	-42.34616	-43.28653	
Min	-42.3564	-43.7860	-42.5968	-43.5202	
Max	-39.5850	-40.0146	-39.7039	-40.7199	
Average	-41.3411	-42.1475	-41.7302	-42.6952	

Carrier Feedthrough fLO=1.9GHz, -12dBm - Average

Carrier Feedthrough fLO=1.9GHz, -12dBm - Biased

Carrier Feedthrough fLO=1.9GHz, -12dBm - UnBiased
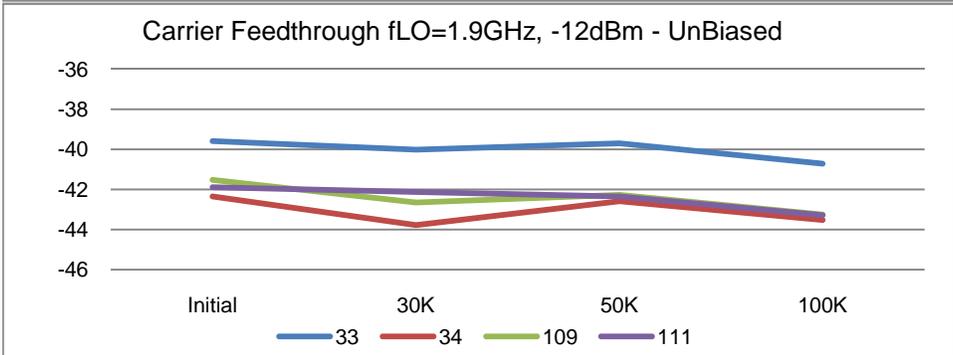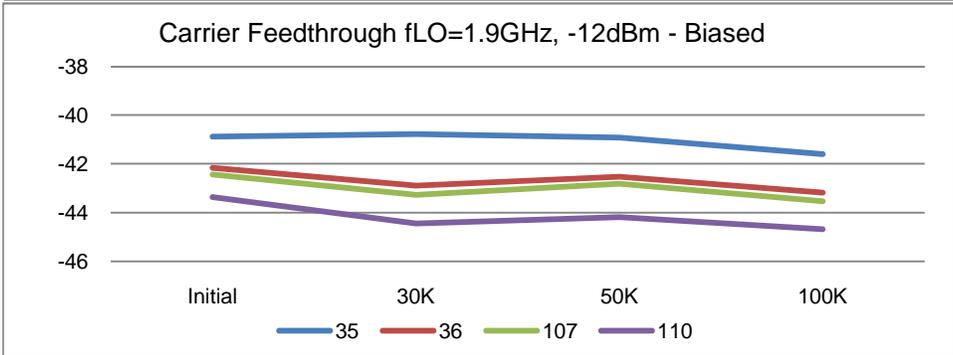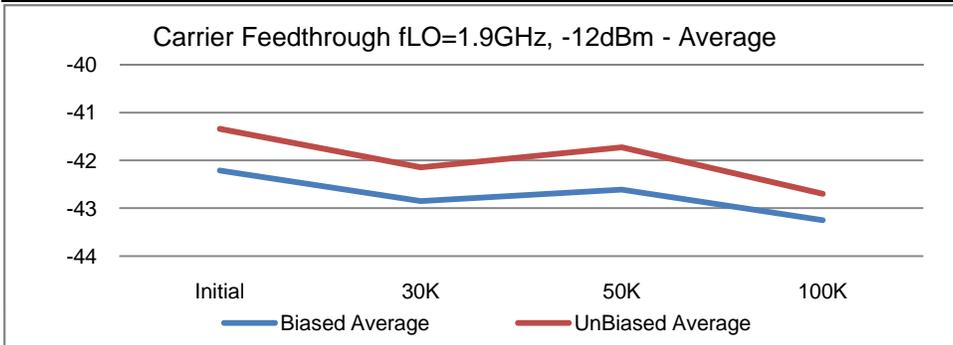
	T# 40	P_SUPP_1900M_5V_-12dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	**-36.0399**	**-36.5875**	**-36.48738**	**-36.27805**	**<-25**
	104	**-37.0064**	**-35.9642**	**-37.46132**	**-37.52905**	
Biased	35	-36.1793	-35.3079	-36.44493	-36.43699	
	36	-36.7575	-36.1432	-37.17897	-37.01163	
	107	-39.051	-36.030	-39.60148	-39.32104	
	110	-32.4435	-31.2633	-32.51136	-32.35565	
	Min	-39.0510	-36.1432	-39.6015	-39.3210	
	Max	-32.4435	-31.2633	-32.5114	-32.3557	
	Average	-36.1078	-34.6860	-36.4342	-36.2813	
UnBiased	33	-36.4744	-35.8574	-36.89268	-36.70146	
	34	-36.3752	-34.8893	-36.53955	-36.53816	
	109	-35.9417	-35.0444	-36.1764	-35.92197	
	111	-37.4899	-35.048	-37.89459	-37.55141	
	Min	-37.4899	-35.8574	-37.8946	-37.5514	
	Max	-35.9417	-34.8893	-36.1764	-35.9220	
	Average	-36.5703	-35.2098	-36.8758	-36.6783	

Sideband Suppression fLO=1.9GHz, -12dBm - Average

Sideband Suppression fLO=1.9GHz, -12dBm - Biased

Sideband Supptression fLO=1.9GHz, -12dBm - UnBiased
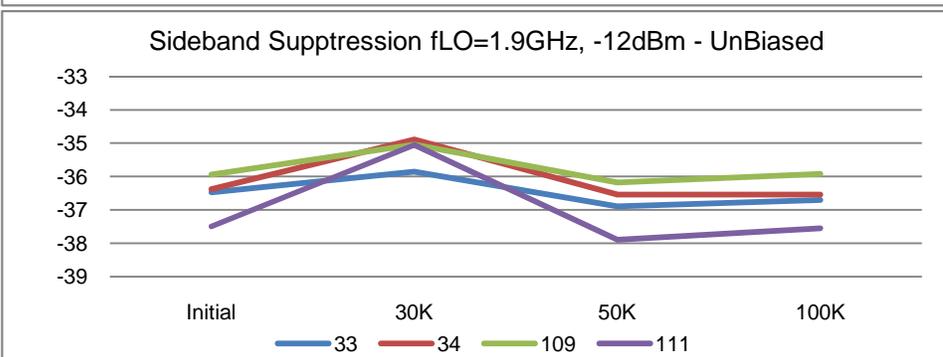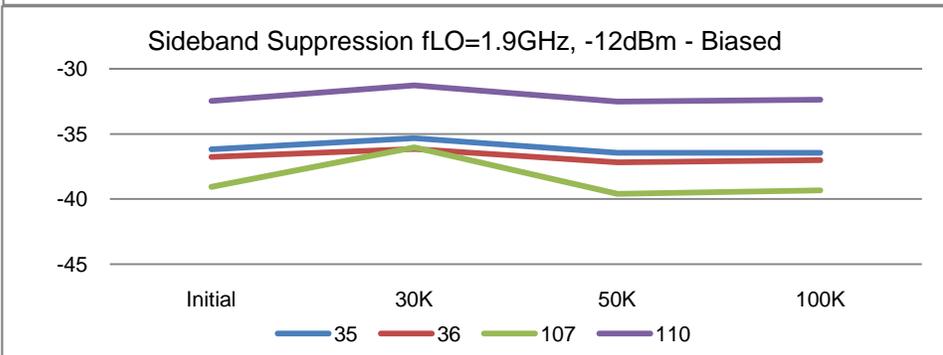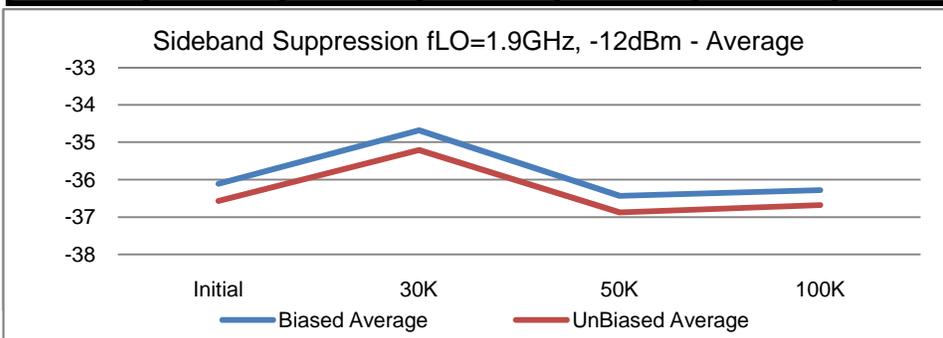
T# 41	P_2ndL_1900M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-54.24424**	**-49.3847**	**-55.72808**	**-55.20049**	**<-42**
Control 104	**-55.61925**	**-49.8761**	**-55.35641**	**-56.39634**	
Biased 35	-53.91802	-49.4449	-54.32743	-54.52307	
Biased 36	-56.62789	-50.843	-57.82431	-56.65153	
Biased 107	-56.1781	-51.544	-57.74358	-58.07185	
Biased 110	-53.00617	-49.0763	-53.89348	-53.71202	
Biased Min	-56.6279	-51.5440	-57.8243	-58.0719	
Biased Max	-53.0062	-49.0763	-53.8935	-53.7120	
Biased Average	-54.9325	-50.2270	-55.9472	-55.7396	
UnBiased 33	-56.48913	-51.95	-57.20033	-56.2823	
UnBiased 34	-56.23407	-50.5513	-57.25151	-56.35507	
UnBiased 109	-57.22519	-52.0754	-58.95557	-57.71437	
UnBiased 111	-55.4197	-50.8871	-56.73975	-56.50454	
UnBiased Min	-57.2252	-52.0754	-58.9556	-57.7144	
UnBiased Max	-55.4197	-50.5513	-56.7398	-56.2823	
UnBiased Average	-56.3420	-51.3659	-57.5368	-56.7141	

2nd Lower Harmonic fLO=1.9GHz, -12dBm - Average

2nd Lower Harmonic fLO=1.9GHz, -12dBm - Biased

2nd Lower Harmonic fLO=1.9GHz, -12dBm - UnBiased
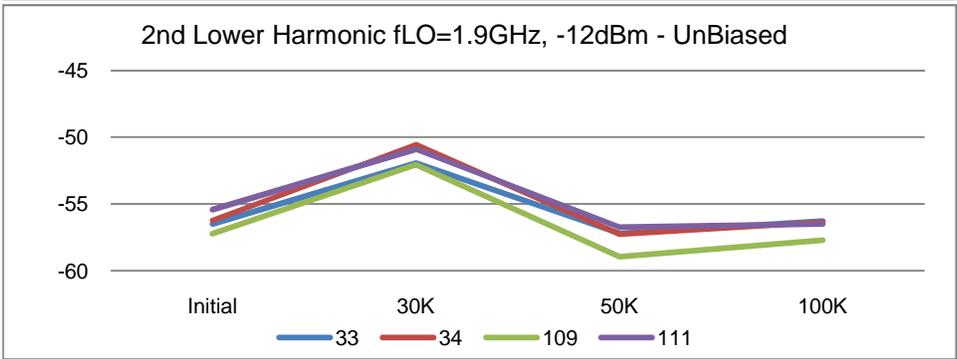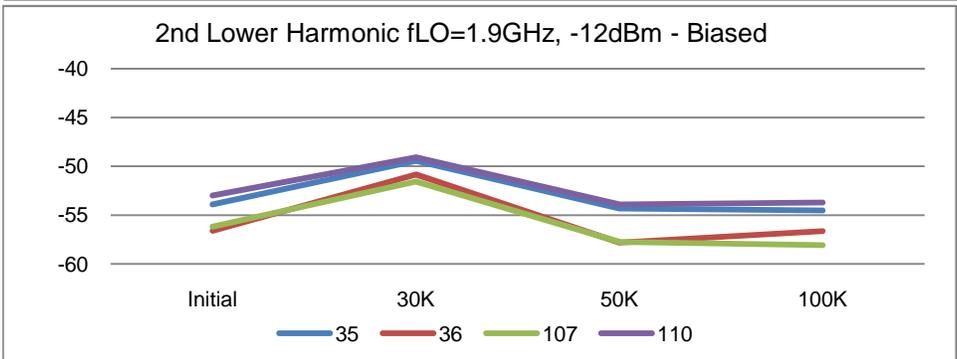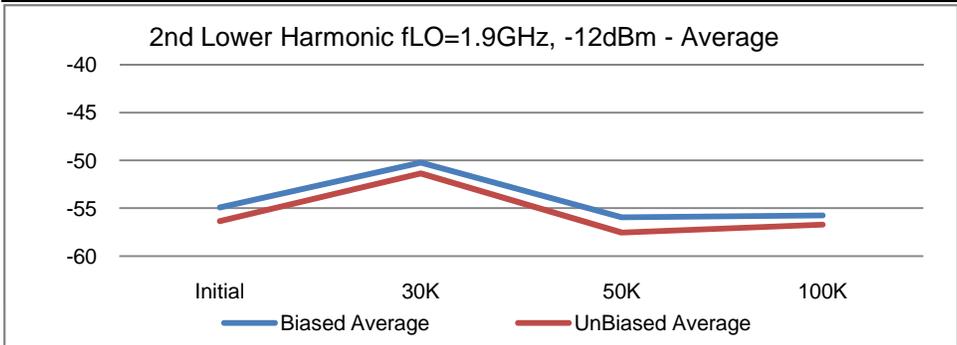
	T# 42	P_2ndU_1900M_5V_-12dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-69.6387**	**-56.8997**	**-70.26537**	**-69.68336**	**<-45**
	104	**-64.2351**	**-56.1217**	**-64.21133**	**-63.82773**	
Biased	35	-64.7206	-56.062	-63.30402	-64.44027	
	36	-63.3814	-55.5037	-66.18353	-64.1477	
	107	-64.6371	-56.470	-64.51391	-65.12014	
	110	-70.1197	-54.8281	-87.19669	-72.738	
	Min	-70.1197	-56.4704	-87.1967	-72.7380	
	Max	-63.3814	-54.8281	-63.3040	-64.1477	
	Average	-65.7147	-55.7160	-70.2995	-66.6115	
UnBiased	33	-65.395	-54.5507	-63.63766	-66.09572	
	34	-67.8272	-55.3004	-72.59885	-70.63164	
	109	-63.8956	-58.3753	-66.03339	-64.51753	
	111	-62.3029	-57.4197	-61.72797	-61.77398	
	Min	-67.8272	-58.3753	-72.5989	-70.6316	
	Max	-62.3029	-54.5507	-61.7280	-61.7740	
	Average	-64.8552	-56.4115	-65.9995	-65.7547	

2nd Upper Harmonic fLO=1.9GHz, -12dBm - Average

2nd Upper Harmonic fLO=1.9GHz, -12dBm - Biased

2nd Upper Harmonic fLO=1.9GHz, -12dBm - UnBiased
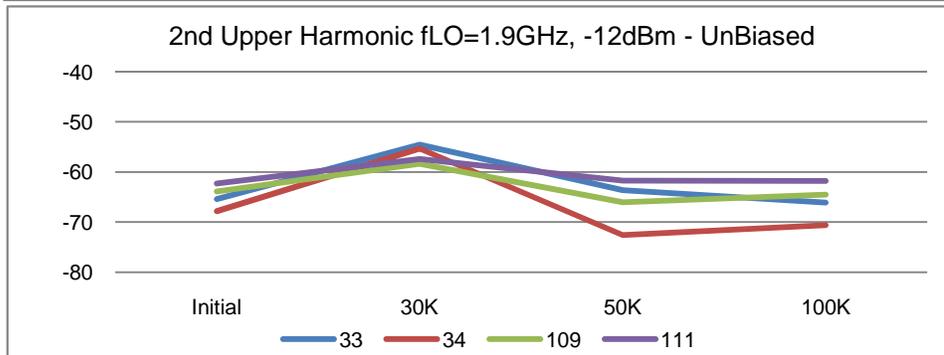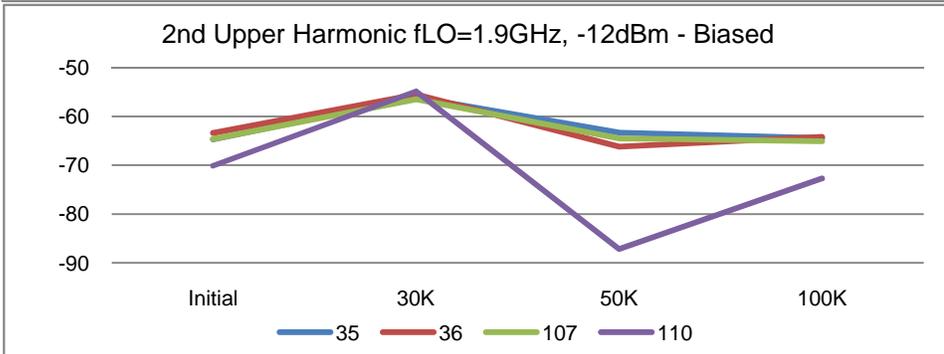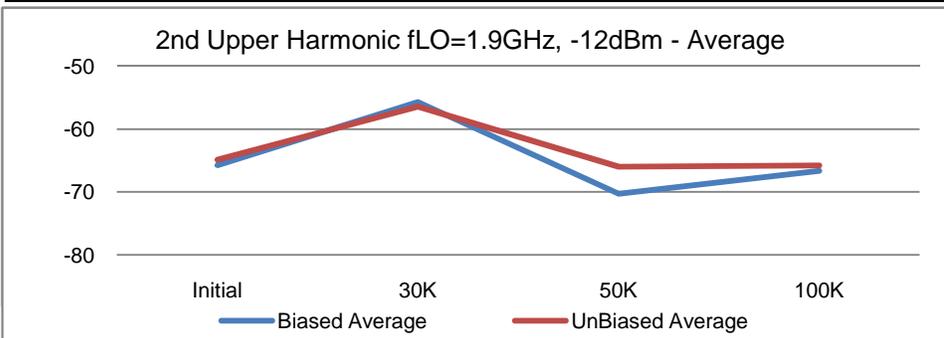
T# 43	P_3rdU_1900M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-61.48833**	**-62.3507**	**-63.65464**	**-61.5381**	**<-49**
104	**-65.70444**	**-65.0557**	**-66.84049**	**-65.9623**	
Biased 35	-66.01269	-65.557	-66.70293	-66.26277	
36	-65.02013	-66.6402	-67.72158	-65.33411	
107	-60.50383	-60.183	-62.52658	-61.06199	
110	-71.63583	-71.5069	-70.36318	-67.38518	
Min	-71.6358	-71.5069	-70.3632	-67.3852	
Max	-60.5038	-60.1829	-62.5266	-61.0620	
Average	-65.7931	-65.9717	-66.8286	-65.0110	
UnBiased 33	-63.24443	-62.0696	-63.48211	-63.33935	
34	-62.1156	-62.2949	-63.90792	-63.41354	
109	-60.04788	-60.0015	-62.51079	-61.25158	
111	-66.58543	-68.8701	-68.62903	-68.56585	
Min	-66.5854	-68.8701	-68.6290	-68.5659	
Max	-60.0479	-60.0015	-62.5108	-61.2516	
Average	-62.9983	-63.3090	-64.6325	-64.1426	

3rd Upper Harmonic fLO=1.9GHz, -12dBm - Average

3rd Upper Harmonic fLO=2.3GHz, -12dBm - Biased

3rd Upper Harmonic fLO=2.3GHz, -12dBm - UnBiased
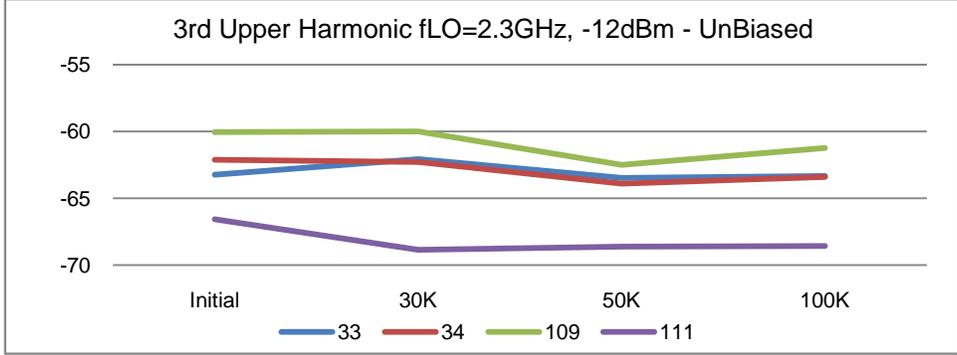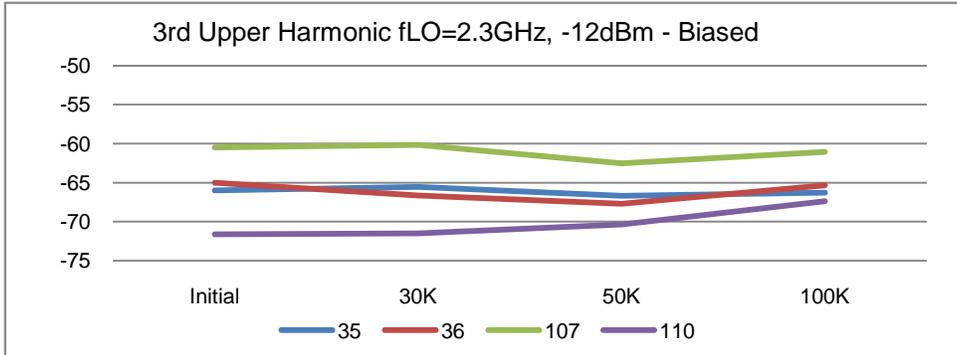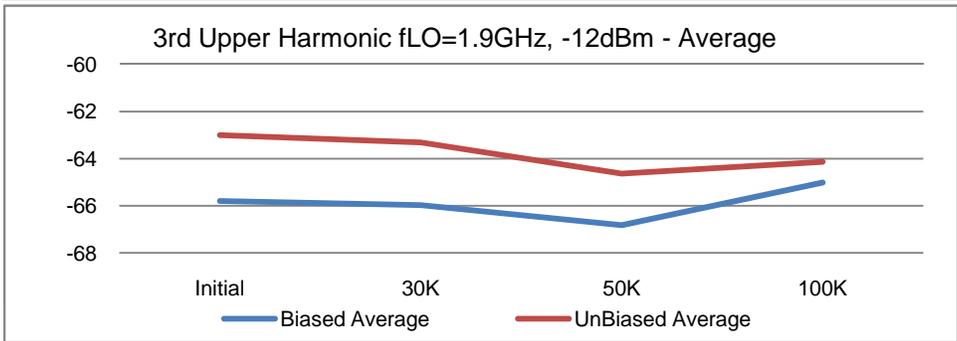
T# 44		P_OUT_2300M_5V_-12dBm				dBm
	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-10.5882**	**-10.8316**	**-10.63331**	**-11.46972**	**>-17**
	104	**-11.015**	**-11.2228**	**-11.13525**	**-11.93798**	**<-8**
Biased	**35**	-10.8986	-11.2276	-11.05453	-11.86301	
	36	-10.9509	-11.2862	-11.13511	-12.02039	
	107	-10.7698	-11.022	-10.90161	-11.71516	
	110	-11.5303	-12.3193	-12.2438	-13.11357	
	Min	-11.5303	-12.3193	-12.2438	-13.1136	
	Max	-10.7698	-11.0217	-10.9016	-11.7152	
	Average	-11.0374	-11.4637	-11.3338	-12.1780	
UnBiased	**33**	-10.9637	-11.1555	-10.96295	-11.9038	
	34	-10.9277	-11.1465	-10.99787	-11.89073	
	109	-10.67	-11.2564	-11.18685	-12.0966	
	111	-10.672	-11.3314	-11.27663	-12.16483	
	Min	-10.9637	-11.3314	-11.2766	-12.1648	
	Max	-10.6700	-11.1465	-10.9630	-11.8907	
	Average	-10.8083	-11.2225	-11.1061	-12.0140	

Output Power fLO=2.3GHz, -12dBm - Average

Output Power fLO=2.3GHz, -12dBm - Biased

Output Power fLO=2.3GHz, -12dBm - UnBiased
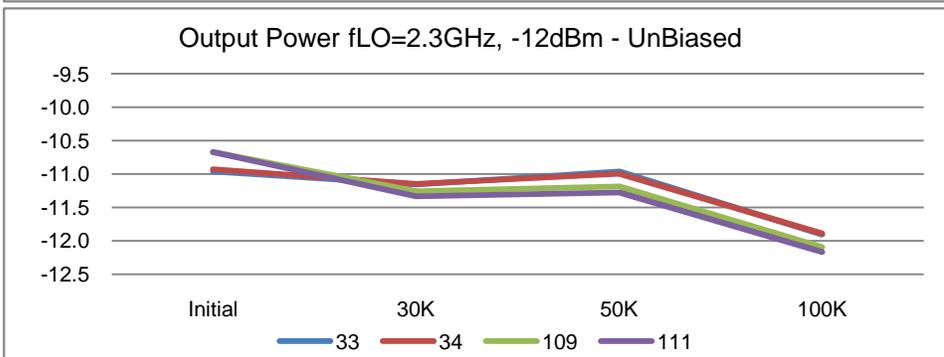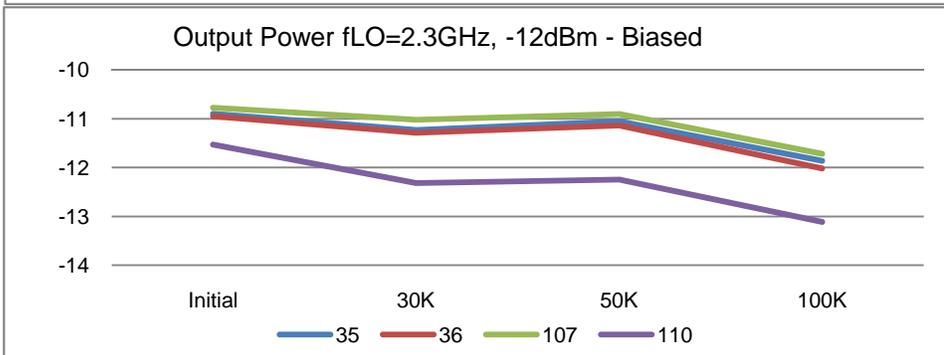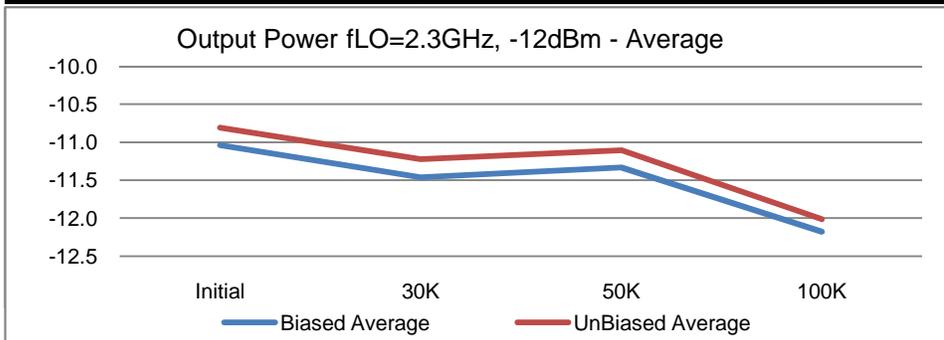
T# 45	P_FDTH_2300M_5V_-12dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-46.71867**	**-46.1255**	**-46.72183**	**-47.68592**	**<-35**
104	**-41.4082**	**-41.3542**	**-41.45332**	**-42.37805**	
Biased 35	-40.53681	-40.4944	-40.75278	-41.49791	
36	-41.26611	-41.5915	-41.39325	-42.25352	
107	-41.46889	-41.976	-41.63927	-42.62805	
110	-43.04954	-43.9033	-43.51014	-44.38658	
Min	-43.0495	-43.9033	-43.5101	-44.3866	
Max	-40.5368	-40.4944	-40.7528	-41.4979	
Average	-41.5803	-41.9913	-41.8239	-42.6915	
UnBiased 33	-39.17314	-39.3779	-39.18273	-40.45419	
34	-41.8598	-42.7471	-41.70139	-42.86335	
109	-41.0282	-41.7163	-41.48088	-42.62818	
111	-41.11039	-41.2658	-41.62269	-42.75868	
Min	-41.8598	-42.7471	-41.7014	-42.8634	
Max	-39.1731	-39.3779	-39.1827	-40.4542	
Average	-40.7929	-41.2768	-40.9969	-42.1761	

Carrier Feedthrough fLO=2.3GHz, -12dBm - Average

Carrier Feedthrough fLO=2.3GHz, -12dBm - Biased

Carrier Feedthrough fLO=2.3GHz, -12dBm - UnBiased
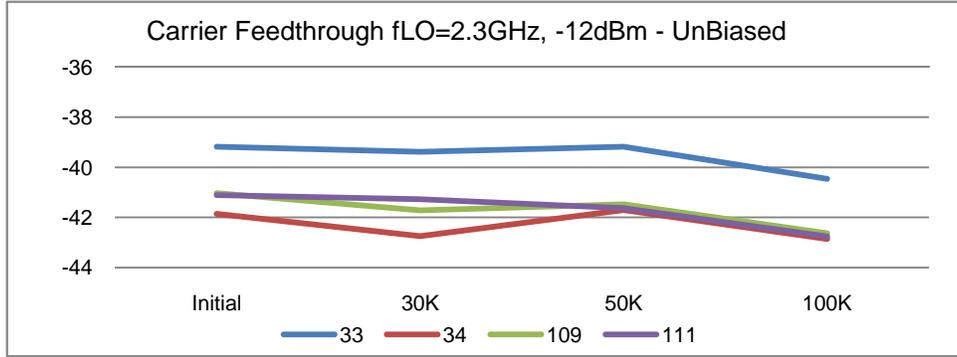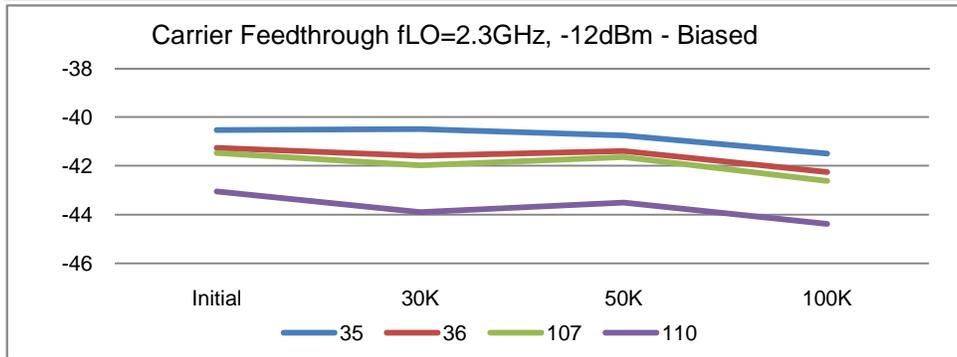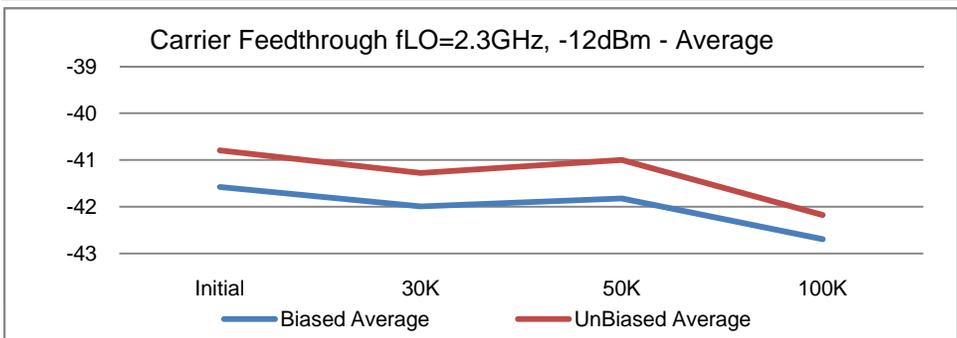
T# 46		P_SUPP_2300M_5V_-12dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-37.5211**	**-38.0629**	**-37.56376**	**-37.14897**	**<-25**
104	**-38.5269**	**-37.966**	**-38.58463**	**-38.23829**	
Biased 35	-38.0858	-37.025	-38.25727	-37.93734	
36	-38.9386	-37.4082	-39.25926	-38.98781	
107	-41.1773	-37.931	-41.42176	-40.92155	
110	-32.6785	-32.6018	-32.24734	-32.13576	
Min	-41.1773	-37.9308	-41.4218	-40.9216	
Max	-32.6785	-32.6018	-32.2473	-32.1358	
Average	-37.7201	-36.2415	-37.7964	-37.4956	
UnBiased 33	-38.8382	-38.1131	-39.13058	-38.74231	
34	-39.1089	-36.9027	-39.03695	-38.81107	
109	-37.0207	-36.6791	-37.10234	-36.81142	
111	-38.9781	-36.0513	-39.35797	-38.8082	
Min	-39.1089	-38.1131	-39.3580	-38.8111	
Max	-37.0207	-36.0513	-37.1023	-36.8114	
Average	-38.4865	-36.9366	-38.6570	-38.2933	

Sideband Sippression fLO=2.3GHz, -12dBm - Average

Sideband Suppression fLO=2.3GHz, -12dBm - Biased

Sideband Suppression fLO=2.3GHz, -12dBm - UnBiased
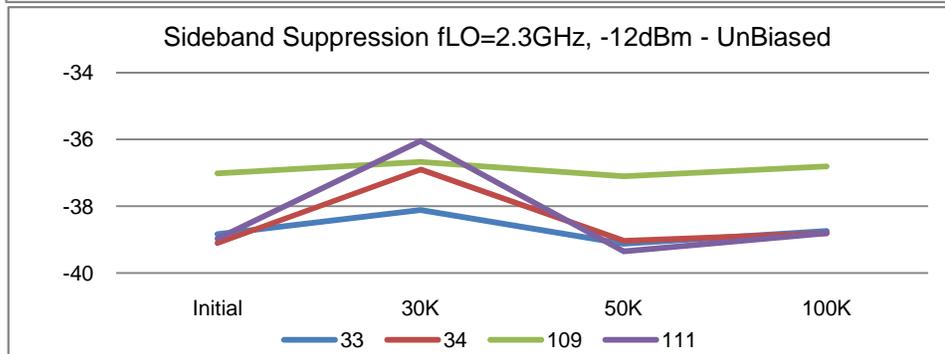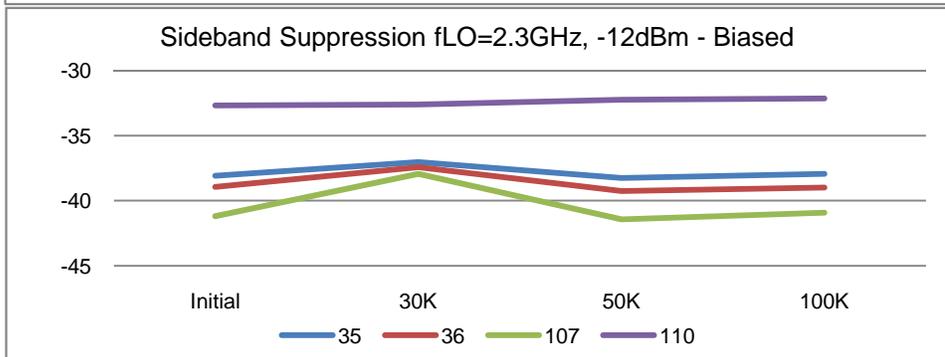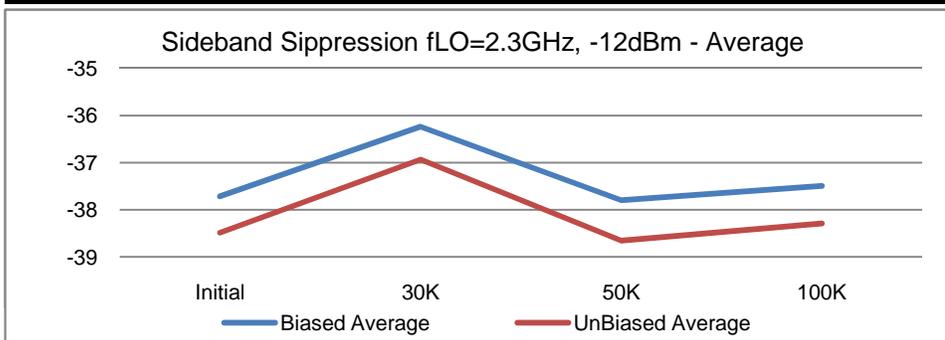
T# 47	P_2ndL_2300M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-72.35046**	**-50.1621**	**-71.7905**	**-68.18321**	**<-43**
104	**-62.43003**	**-53.6154**	**-64.16824**	**-60.95152**	
Biased 35	-64.51321	-51.9832	-68.01127	-61.91719	
36	-64.23434	-52.0499	-63.61714	-61.23676	
107	-61.53941	-54.097	-61.39655	-59.73275	
110	-63.89764	-49.5237	-65.38066	-67.05938	
Min	-64.5132	-54.0971	-68.0113	-67.0594	
Max	-61.5394	-49.5237	-61.3966	-59.7328	
Average	-63.5462	-51.9134	-64.6014	-62.4865	
UnBiased 33	-61.80104	-53.0017	-61.96329	-60.83617	
34	-65.99355	-51.8853	-63.27243	-62.49318	
109	-62.1819	-56.2483	-61.46854	-58.77141	
111	-61.471	-55.4211	-62.74483	-58.87839	
Min	-65.9936	-56.2483	-63.2724	-62.4932	
Max	-61.4710	-51.8853	-61.4685	-58.7714	
Average	-62.8619	-54.1391	-62.3623	-60.2448	

2nd Lower Harmonic fLO=2.3GHz, -12dBm - Average

2nd Lower Harmonic fLO=2.3GHz, -12dBm - Biased

2nd Lower Harmonic fLO=2.3GHz, -12dBm - UnBiased
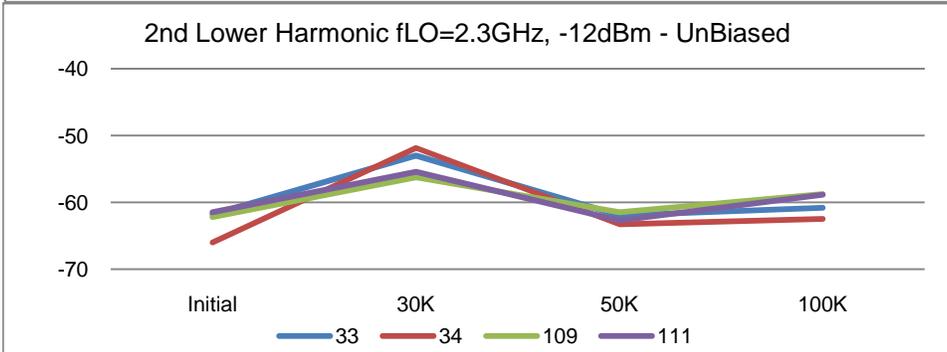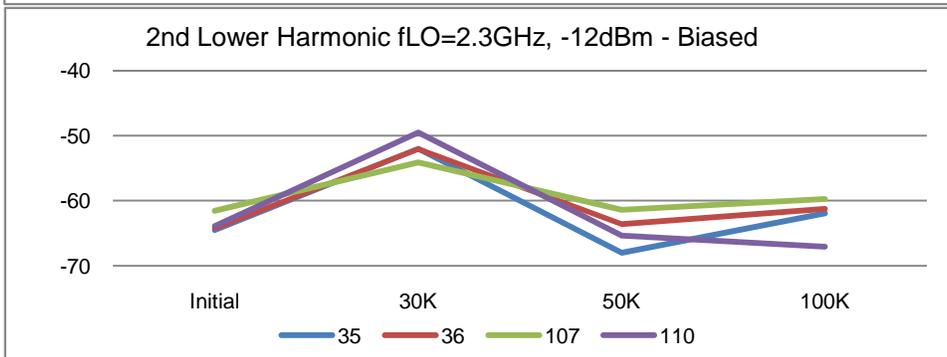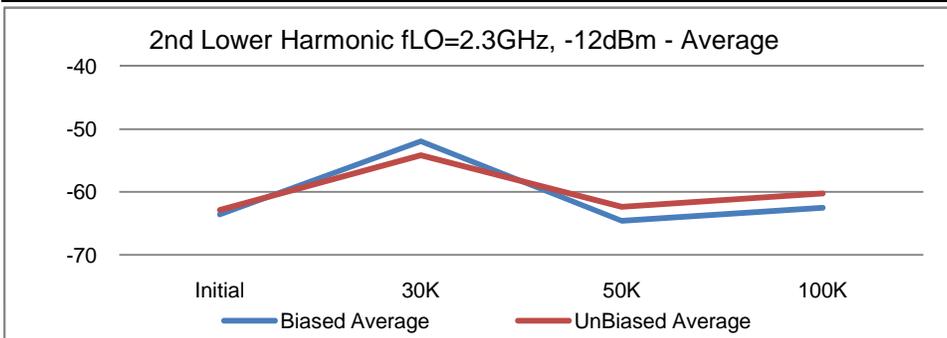
	T# 48	P_2ndU_2300M_5V_-12dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-64.9711**	**-52.5441**	**-65.57931**	**-64.99287**	**<-45**
	104	**-63.9899**	**-53.1235**	**-66.34988**	**-63.69098**	
Biased	**35**	-65.0551	-52.781	-64.79227	-62.40958	
	36	-62.8798	-52.3508	-62.09864	-62.92355	
	107	-59.7637	-53.541	-60.24263	-59.59346	
	110	-66.96	-50.9319	-70.23907	-69.08348	
	Min	-66.9600	-53.5411	-70.2391	-69.0835	
	Max	-59.7637	-50.9319	-60.2426	-59.5935	
	Average	-63.6647	-52.4012	-64.3432	-63.5025	
UnBiased	**33**	-60.7061	-53.5607	-60.58863	-58.70506	
	34	-63.8829	-52.6441	-63.57653	-66.01098	
	109	-60.2052	-54.2528	-59.65596	-59.52022	
	111	-63.1003	-53.94	-61.26757	-64.82463	
	Min	-63.8829	-54.2528	-63.5765	-66.0110	
	Max	-60.2052	-52.6441	-59.6560	-58.7051	
	Average	-61.9736	-53.5994	-61.2722	-62.2652	

2nd Upper Harmonic fLO=2.3GHz, -12dBm - Average

2nd Upper Harmonic fLO=2.3GHz, -12dBm - Biased

2nd Upper Harmonic fLO=2.3GHz, -12dBm - UnBiased
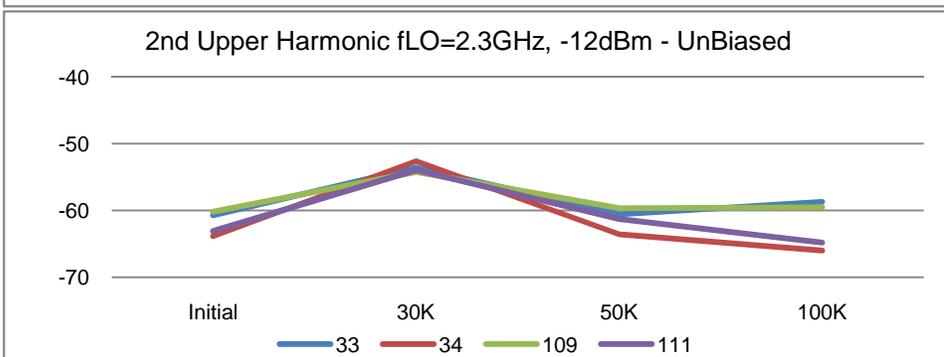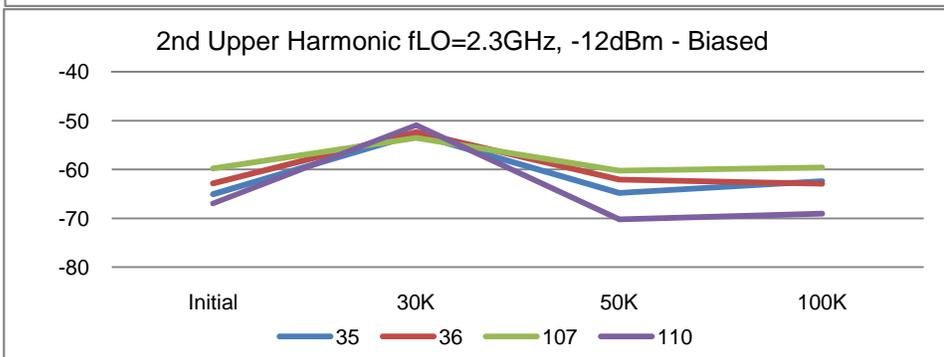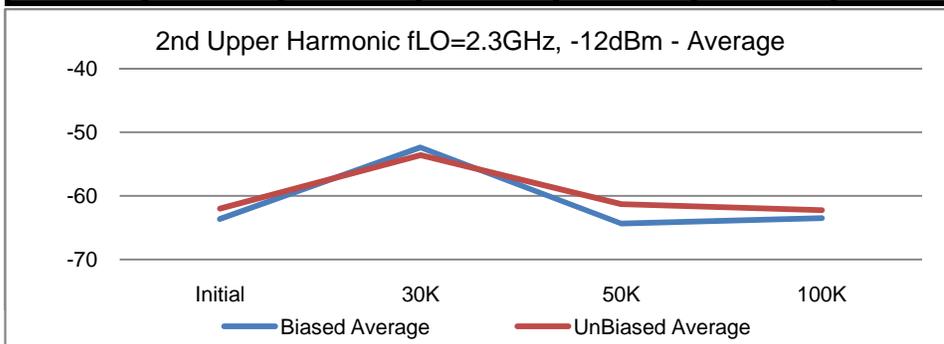
T# 49	P_3rdU_2300M_5V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-63.86776**	**-62.1036**	**-62.48199**	**-64.81275**	**<-47**
104	**-62.02391**	**-63.0306**	**-60.08978**	**-59.16281**	
Biased 35	-61.08897	-62.4421	-58.67744	-63.14415	
36	-60.58798	-61.0469	-62.23679	-60.87263	
107	-63.15099	-63.687	-63.98728	-62.96053	
110	-59.35917	-56.2374	-57.29714	-57.28558	
Min	-63.1510	-63.6872	-63.9873	-63.1442	
Max	-59.3592	-56.2374	-57.2971	-57.2856	
Average	-61.0468	-60.8534	-60.5497	-61.0657	
UnBiased 33	-65.02906	-63.8159	-62.09747	-62.00799	
34	-61.48826	-60.7384	-62.29623	-61.63942	
109	-63.42218	-60.3708	-61.90067	-62.0321	
111	-62.01657	-60.2384	-59.79153	-60.8029	
Min	-65.0291	-63.8159	-62.2962	-62.0321	
Max	-61.4883	-60.2384	-59.7915	-60.8029	
Average	-62.9890	-61.2908	-61.5215	-61.6206	

3rd Upper Harmonic fLO=2.3GHz, -12dBm - Average

3rd Upper Harmonic fLO=2.3GHz, -12dBm - Biased

3rd Upper Harmonic fLO=800MHz, -6dBm- UnBiased
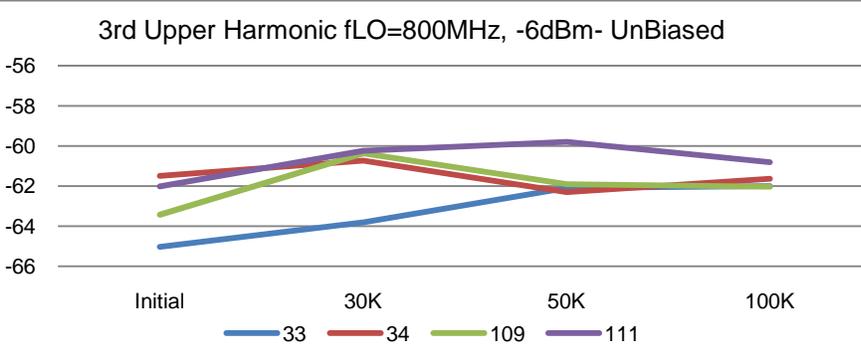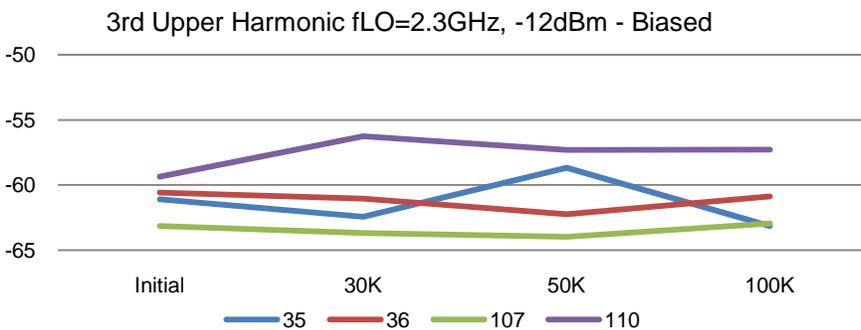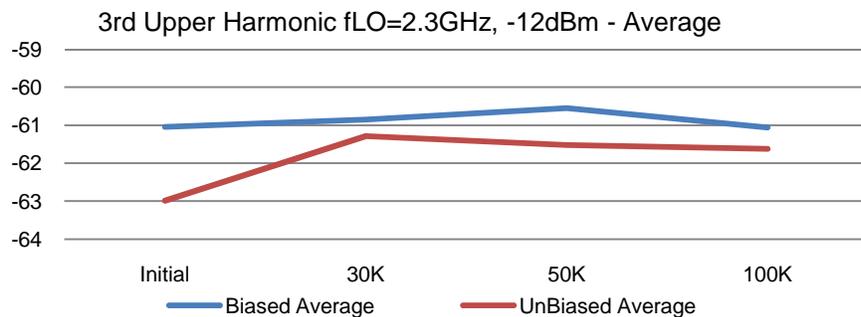
T# 50	P_OUT_800M_3V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	-6.45668	-6.66299	-6.4862	-7.12658	>-11
Control 104	-6.64998	-6.77294	-6.61774	-7.27015	<-4
Biased 35	-6.4718	-6.63426	-6.47475	-7.12109	
Biased 36	-6.57966	-6.75834	-6.58976	-7.24145	
Biased 107	-6.57144	-6.726	-6.56215	-7.20608	
Biased 110	-6.51104	-6.76476	-6.61756	-7.27482	
Biased Min	-6.5797	-6.7648	-6.6176	-7.2748	
Biased Max	-6.4718	-6.6343	-6.4748	-7.1211	
Biased Average	-6.5335	-6.7207	-6.5611	-7.2109	
UnBiased 33	-6.56721	-6.74864	-6.57203	-7.21533	
UnBiased 34	-6.57885	-6.75296	-6.58328	-7.23803	
UnBiased 109	-6.58449	-6.82972	-6.69931	-7.37397	
UnBiased 111	-6.42477	-6.64339	-6.51997	-7.16515	
UnBiased Min	-6.5845	-6.8297	-6.6993	-7.3740	
UnBiased Max	-6.4248	-6.6434	-6.5200	-7.1652	
UnBiased Average	-6.5388	-6.7437	-6.5936	-7.2481	

Output Power fLO=800MHz, -6dBm - Average

Output Power fLO=800MHz, -6dBm - Biased

Output Power fLO=800MHz, -6dBm - UnBiased
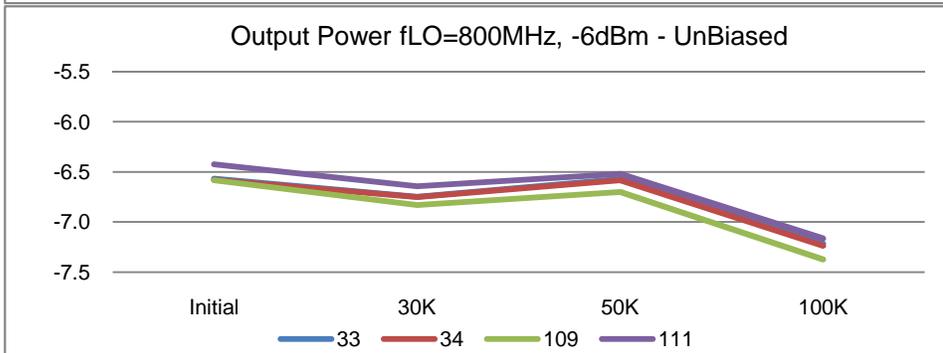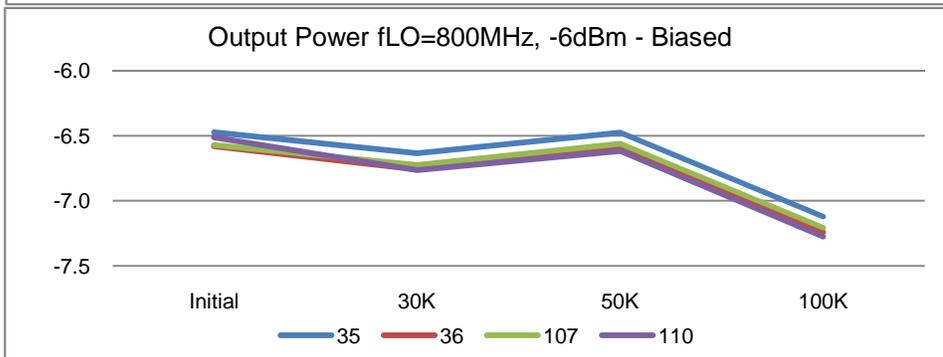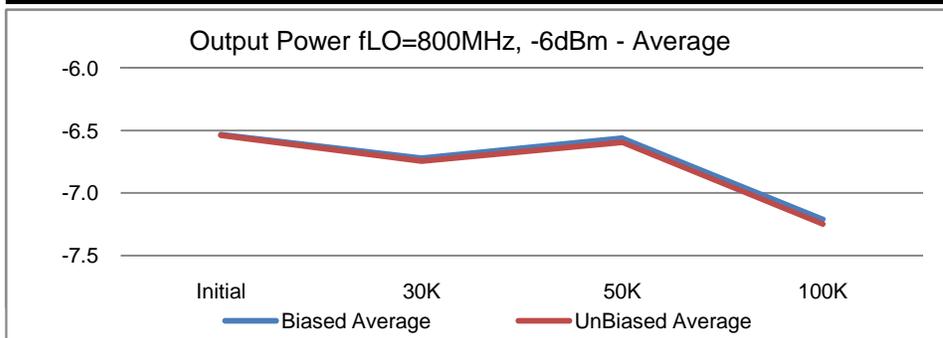
T# 51	P_FDTH_800M_3V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control					
38	**-44.40432**	**-43.8773**	**-44.7315**	**-45.1678**	**<-35**
104	**-42.76712**	**-42.6007**	**-42.83199**	**-43.5038**	
Biased					
35	-41.538	-41.8211	-41.76522	-42.54483	
36	-47.98686	-49.5825	-48.35422	-49.12054	
107	-46.29292	-47.557	-46.61487	-47.59794	
110	-47.81335	-49.2234	-48.38784	-49.07859	
Min	-47.9869	-49.5825	-48.3878	-49.1205	
Max	-41.5380	-41.8211	-41.7652	-42.5448	
Average	-45.9078	-47.0459	-46.2805	-47.0855	
UnBiased					
33	-41.8766	-42.5322	-41.89613	-43.11433	
34	-44.68546	-45.3633	-44.47783	-45.32492	
109	-45.3335	-46.5835	-46.01748	-47.41618	
111	-44.73907	-44.9787	-45.22179	-46.14465	
Min	-45.3335	-46.5835	-46.0175	-47.4162	
Max	-41.8766	-42.5322	-41.8961	-43.1143	
Average	-44.1587	-44.8644	-44.4033	-45.5000	

Carrier Feedthrough fLO=800MHz, -6dBm - Average

Carrier Feedthrouogh fLO=800MHz, -6dBm - Biased

Carrier Feedthrough fLO=800MHz, -6dBm - UnBiased
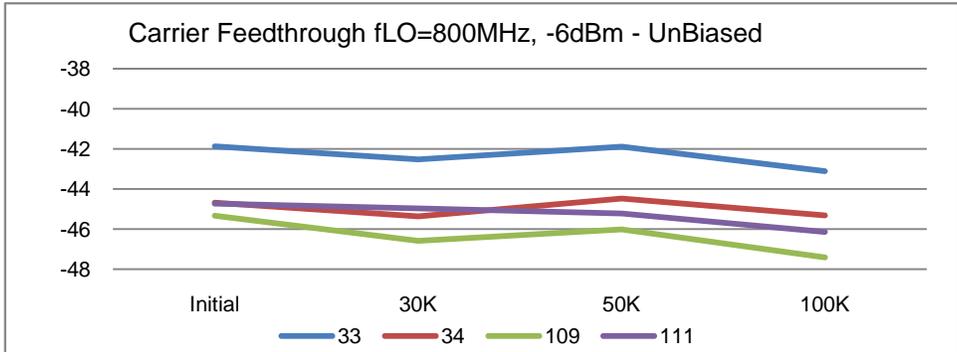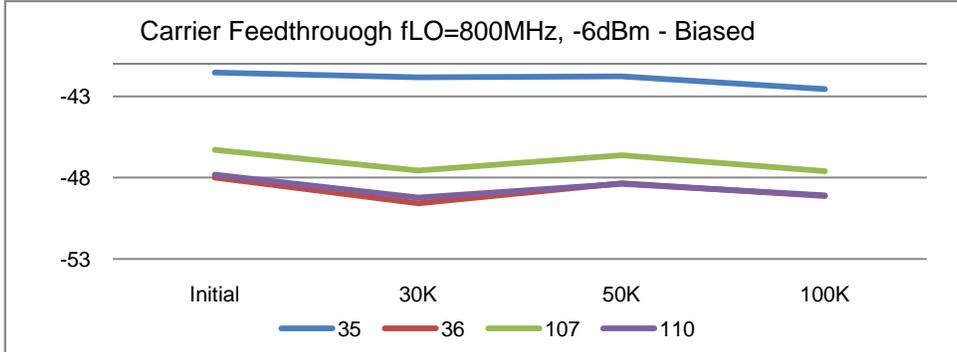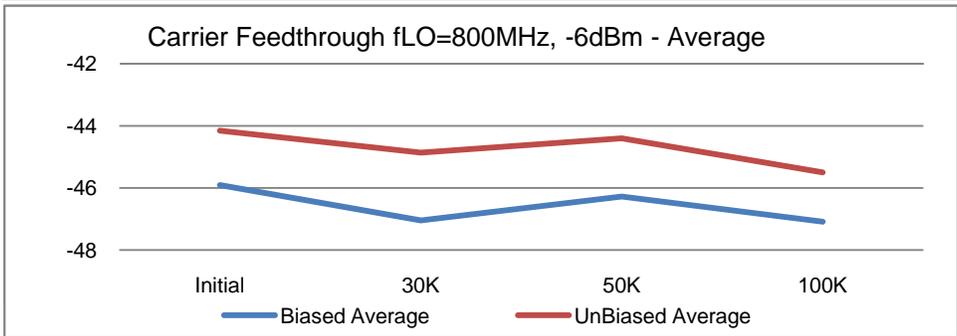
	T# 52	P_SUPP_800M_3V_-6dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	**-48.0129**	**-49.6952**	**-48.24542**	**-46.55391**	**<-28**
	104	**-53.1773**	**-40.4623**	**-55.70244**	**-59.21124**	
Biased	35	-56.7938	-42.1815	-56.45255	-57.18159	
	36	-51.1115	-44.9947	-51.53773	-48.97827	
	107	-54.2531	-38.443	-55.61111	-63.51021	
	110	-43.2603	-34.4297	-42.73655	-44.51344	
	Min	-56.7938	-44.9947	-56.4526	-63.5102	
	Max	-43.2603	-34.4297	-42.7366	-44.5134	
	Average	-51.3547	-40.0122	-51.5845	-53.5459	
UnBiased	33	-51.2837	-42.9118	-52.19966	-51.14064	
	34	-47.9216	-38.8217	-46.3074	-48.53171	
	109	-44.0101	-41.7718	-44.77845	-43.90523	
	111	-46.5021	-39.5528	-48.02251	-46.13918	
	Min	-51.2837	-42.9118	-52.1997	-51.1406	
	Max	-44.0101	-38.8217	-44.7785	-43.9052	
	Average	-47.4294	-40.7645	-47.8270	-47.4292	

Sideband Suppression fLO=800MHz, -6dBm - Average

Sideband Suppression fLO=800MHz, -6dBm - Biased

Sideband Suppression fLO=800MHz, - 6dBm - UnBiased
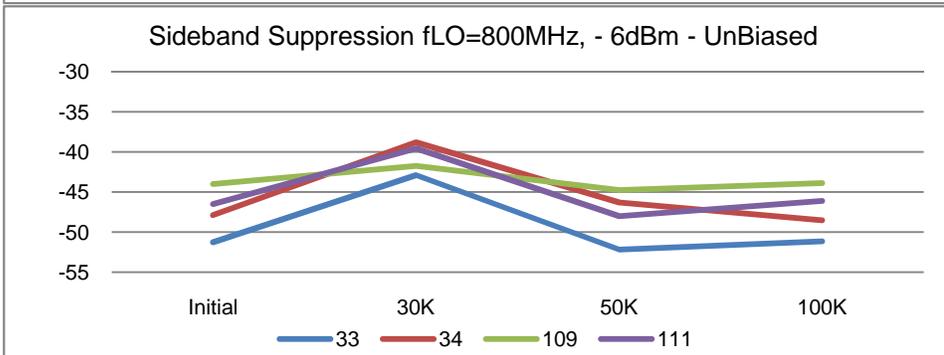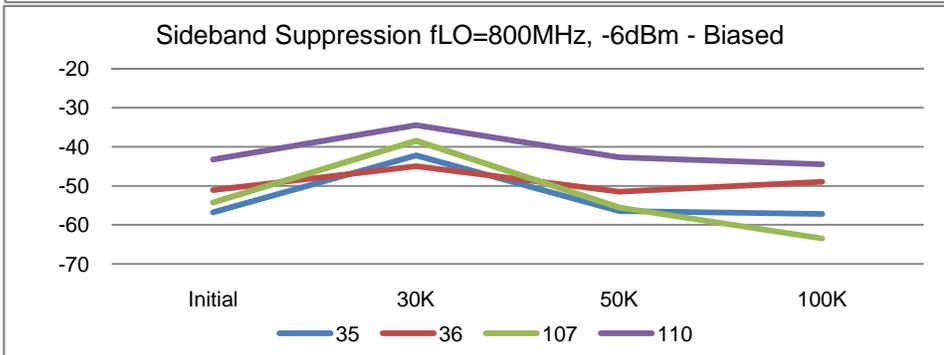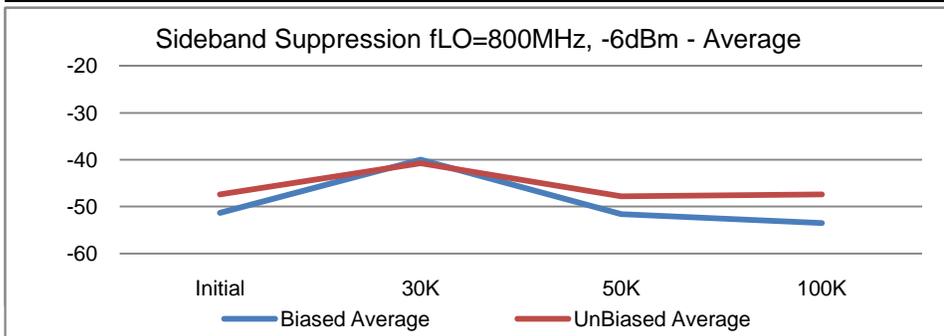
T# 53	P_2ndL_800M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control **38**	**-56.49269**	**-55.0839**	**-57.70124**	**-57.49046**	**<-45**
104	**-56.42936**	**-56.1517**	**-56.92463**	**-58.08393**	
Biased **35**	-55.92231	-54.9294	-56.6132	-56.0358	
36	-57.63708	-57.2525	-59.57074	-59.11332	
107	-57.77065	-58.155	-59.34761	-58.00734	
110	-58.55138	-57.3242	-58.86711	-59.22007	
Min	-58.5514	-58.1549	-59.5707	-59.2201	
Max	-55.9223	-54.9294	-56.6132	-56.0358	
Average	-57.4704	-56.9152	-58.5997	-58.0941	
UnBiased **33**	-57.379	-56.748	-57.74783	-57.72249	
34	-58.81318	-57.9032	-59.06931	-59.56909	
109	-57.05877	-57.9892	-58.27544	-58.22303	
111	-56.51725	-56.9103	-58.30149	-58.68247	
Min	-58.8132	-57.9892	-59.0693	-59.5691	
Max	-56.5173	-56.7480	-57.7478	-57.7225	
Average	-57.4421	-57.3877	-58.3485	-58.5493	

2nd Lower Harmonic fLO=800MHz, -6dBm - Average

2nd Lower Harmonic fLO=800MHz, -6dBm - Biased

2nd Lower Harmonic fLO=800MHz, -6dBm - UnBiased
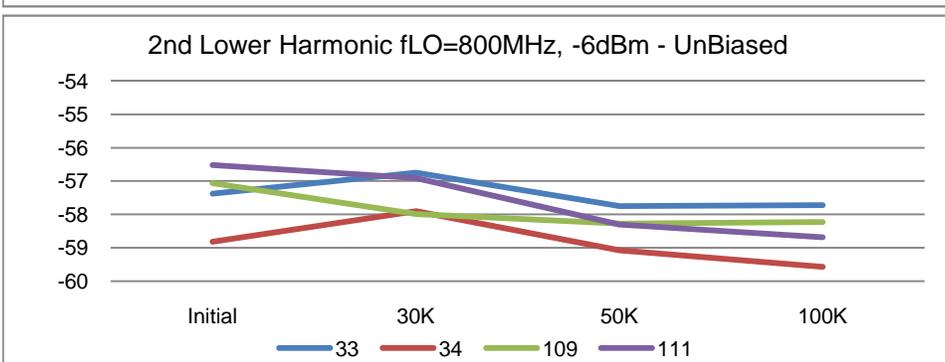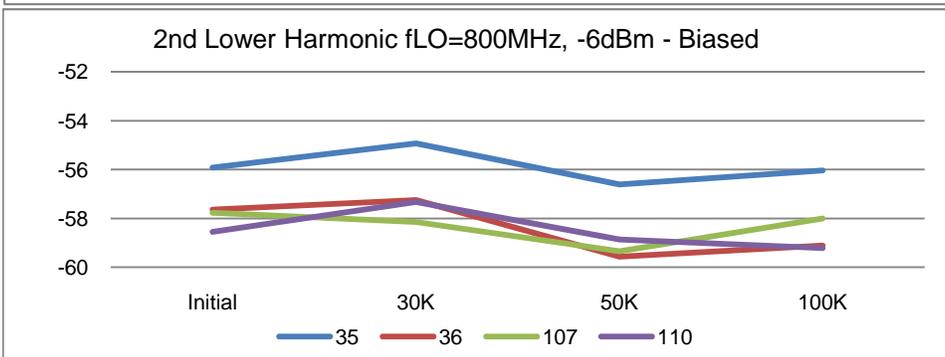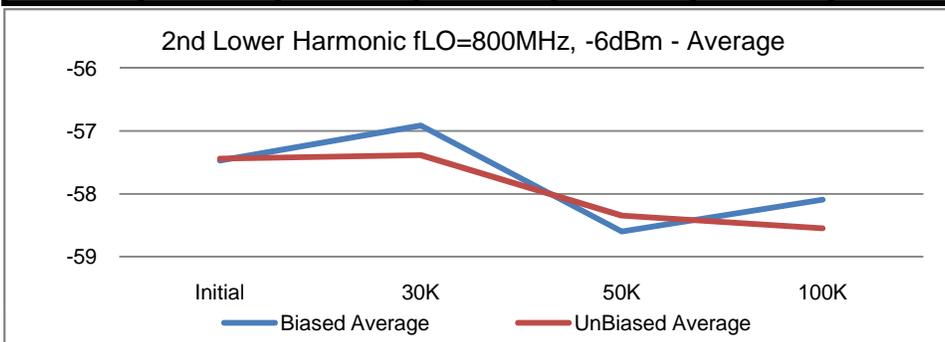
T# 54	P_2ndU_800M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control					
38	**-63.0792**	**-68.2059**	**-62.68566**	**-64.06702**	**<-49**
104	**-64.5997**	**-70.0617**	**-63.92802**	**-65.11052**	
Biased					
35	-63.3027	-70.5322	-62.95931	-63.4139	
36	-67.1192	-72.5893	-66.75025	-68.35316	
107	-68.4254	-71.965	-67.19076	-67.50871	
110	-70.7996	-71.554	-69.06631	-69.55071	
Min	-70.7996	-72.5893	-69.0663	-69.5507	
Max	-63.3027	-70.5322	-62.9593	-63.4139	
Average	-67.4117	-71.6602	-66.4917	-67.2066	
UnBiased					
33	-66.7913	-75.572	-66.37297	-66.55505	
34	-67.5809	-66.8588	-69.79256	-68.48375	
109	-67.5937	-81.9638	-66.1554	-67.7645	
111	-64.6519	-75.4314	-64.12834	-64.27174	
Min	-67.5937	-81.9638	-69.7926	-68.4838	
Max	-64.6519	-66.8588	-64.1283	-64.2717	
Average	-66.6545	-74.9565	-66.6123	-66.7688	

2nd Upper Harmonic fLO=800MHz, -6dBm - Average

2nd Upper Harmonic fLO=800MHz, -6dBm - Biased

2nd Upper Harmonic fLO=800MHz, -6dBm - UnBiased
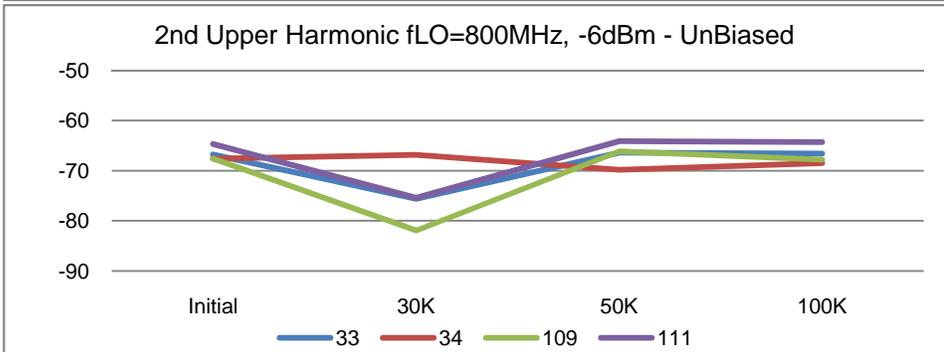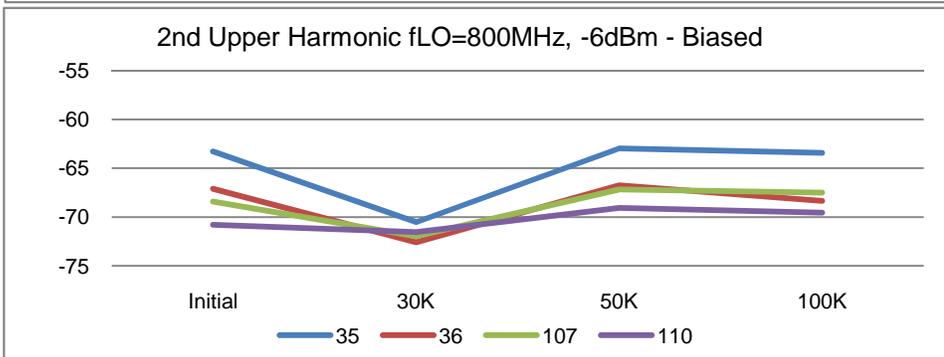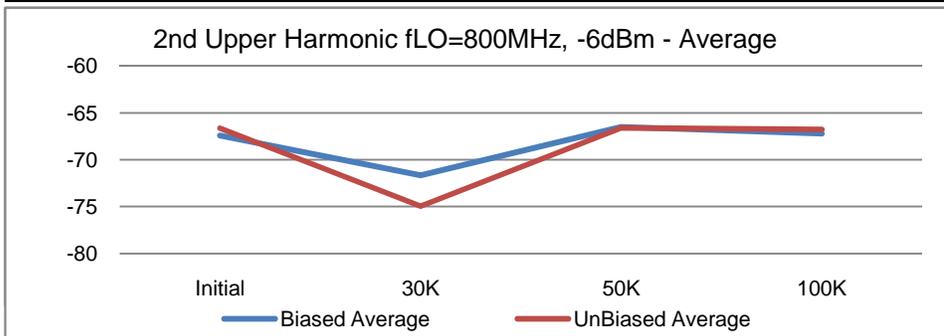
T# 55		P_3rdU_800M_3V_-6dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	**-51.01817**	**-51.3481**	**-52.36335**	**-52.22095**	**<-45**
	104	**-52.23713**	**-51.8888**	**-53.01604**	**-52.97992**	
Biased	35	-52.54549	-52.6959	-53.74198	-53.4296	
	36	-50.92897	-50.8294	-52.14592	-52.24655	
	107	-51.08636	-50.636	-51.56521	-51.90475	
	110	-52.98424	-52.6462	-54.27908	-54.4045	
	Min	-52.9842	-52.6959	-54.2791	-54.4045	
	Max	-50.9290	-50.6362	-51.5652	-51.9048	
	Average	-51.8863	-51.7019	-52.9330	-52.9964	
UnBiased	33	-51.02474	-50.7231	-52.09424	-52.12627	
	34	-50.79132	-50.5368	-52.07952	-51.89182	
	109	-50.61617	-50.5385	-51.81096	-52.04948	
	111	-50.34567	-50.6613	-52.07549	-52.13488	
	Min	-51.0247	-50.7231	-52.0942	-52.1349	
	Max	-50.3457	-50.5368	-51.8110	-51.8918	
	Average	-50.6945	-50.6149	-52.0151	-52.0506	

3rd Upper Harmonic fLO=800MHz, -6dBm - Average

3rd Upper Harmonic fLO=1.9GHz, -6dBm - Biased

3rd Upper Harmonic fLO=1.9GHz, -6dBm - UnBiased
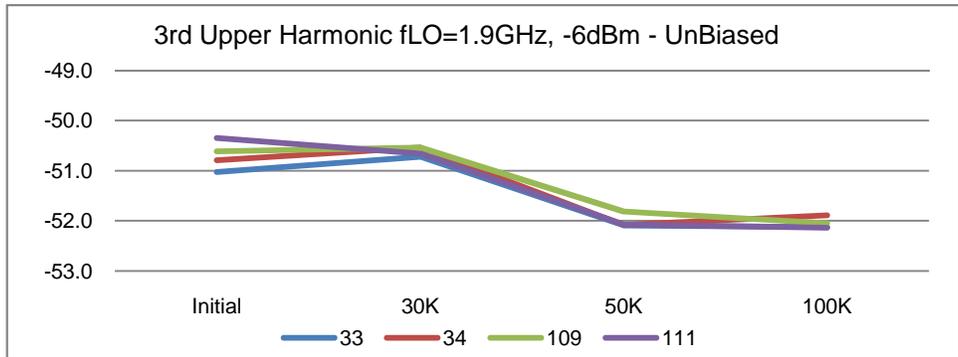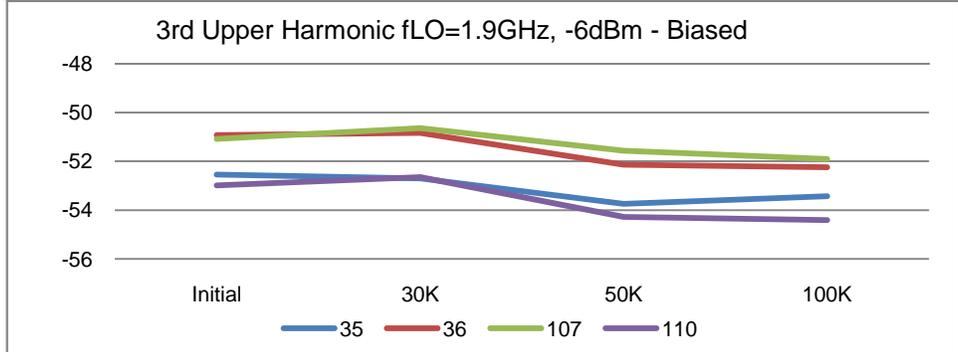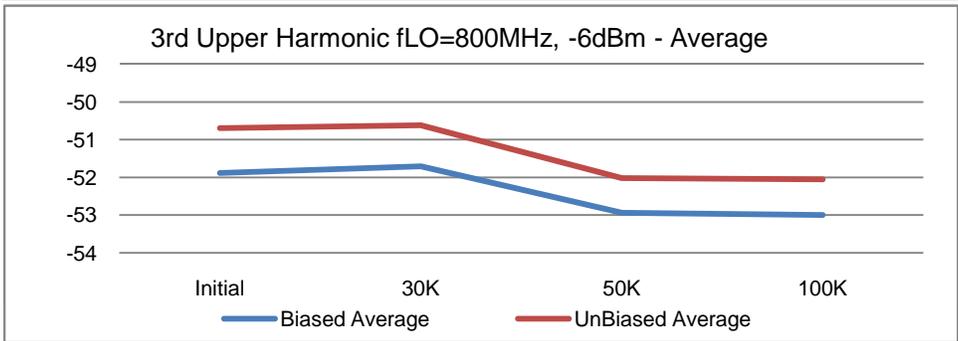
T# 56	P_OUT_1900M_3V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-9.4408**	**-9.46686**	**-9.46591**	**-10.13708**	**>-13**
104	**-9.71917**	**-9.65608**	**-9.70772**	**-10.35112**	**<-6**
Biased 35	-9.52762	-9.57297	-9.60528	-10.23328	
36	-9.70763	-9.76793	-9.79913	-10.43843	
107	-9.60388	-9.600	-9.65705	-10.253	
110	-9.61345	-9.99642	-10.0927	-10.70947	
Min	-9.7076	-9.9964	-10.0927	-10.7095	
Max	-9.5276	-9.5730	-9.6053	-10.2333	
Average	-9.6131	-9.7344	-9.7885	-10.4085	
UnBiased 33	-9.655	-9.65359	-9.65023	-10.31889	
34	-9.64106	-9.6443	-9.67216	-10.32164	
109	-9.45891	-9.76822	-9.86893	-10.53377	
111	-9.34218	-9.64881	-9.7367	-10.38556	
Min	-9.6550	-9.7682	-9.8689	-10.5338	
Max	-9.3422	-9.6443	-9.6502	-10.3189	
Average	-9.5243	-9.6787	-9.7320	-10.3900	

Output Power fLO=1.9GHz, -6dBm - Average

Output Power fLO=1.9GHz, -6dBm - Biased

Output Power fLO=1.9GHz, -6dBm - UnBiased
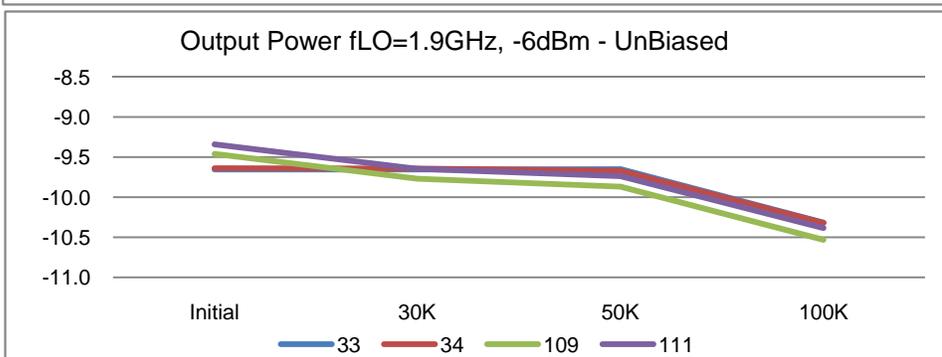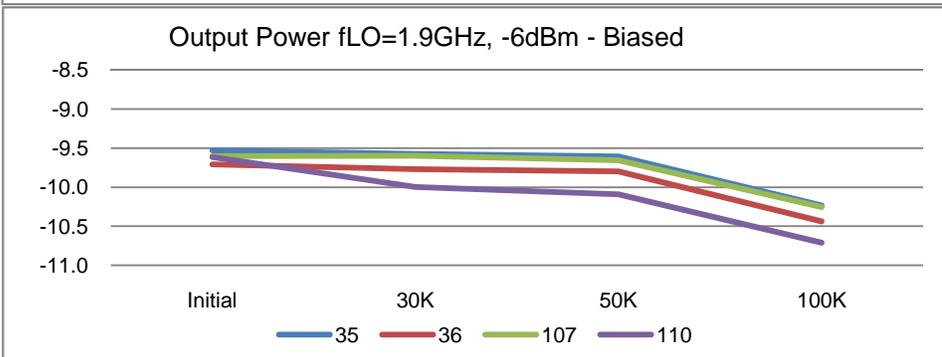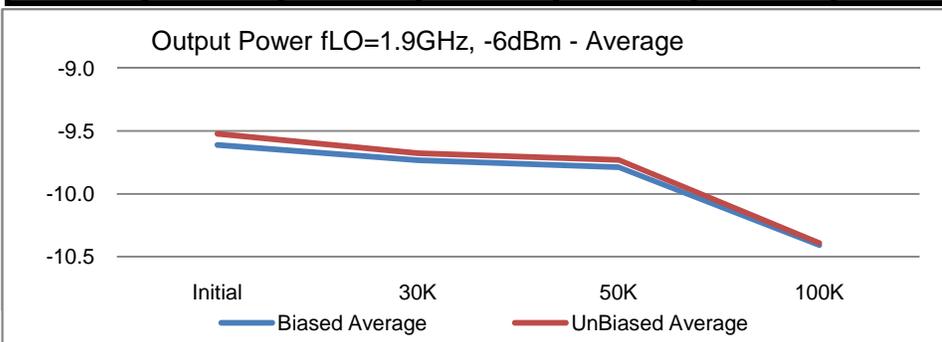
T# 57	P_FDTH_1900M_3V_-6dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control					
38	**-52.13549**	**-51.5877**	**-52.33731**	**-53.05901**	**<-35**
104	**-42.7775**	**-43.0266**	**-42.59327**	**-43.50061**	
Biased					
35	-41.72671	-41.8777	-41.70314	-42.27853	
36	-41.89145	-43.2437	-42.27364	-42.95145	
107	-42.02227	-43.391	-42.54132	-43.19304	
110	-41.46072	-43.1185	-42.26775	-42.74559	
Min	-42.0223	-43.3915	-42.5413	-43.1930	
Max	-41.4607	-41.8777	-41.7031	-42.2785	
Average	-41.7753	-42.9078	-42.1965	-42.7922	
UnBiased					
33	-39.64626	-40.5562	-39.95909	-40.82027	
34	-41.26632	-43.0117	-41.53116	-42.39426	
109	-41.05593	-42.5812	-41.92886	-42.67287	
111	-42.40409	-43.1046	-42.9525	-43.86069	
Min	-42.4041	-43.1046	-42.9525	-43.8607	
Max	-39.6463	-40.5562	-39.9591	-40.8203	
Average	-41.0932	-42.3134	-41.5929	-42.4370	

Carrier Feedthrough fLO=1.9GHz, -6dBm - Average

Carrier Feedthrough fLO=1.9GHz, -6dBm - Biased

Carrier Feedthrough fLO=1.9GHz, -6dBm - UnBiased
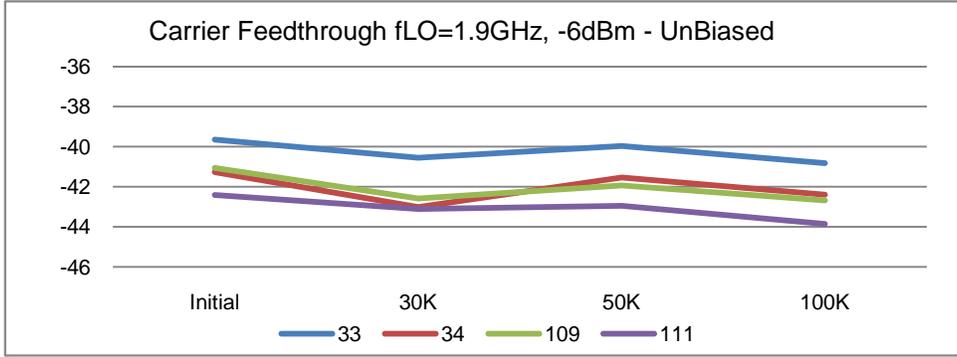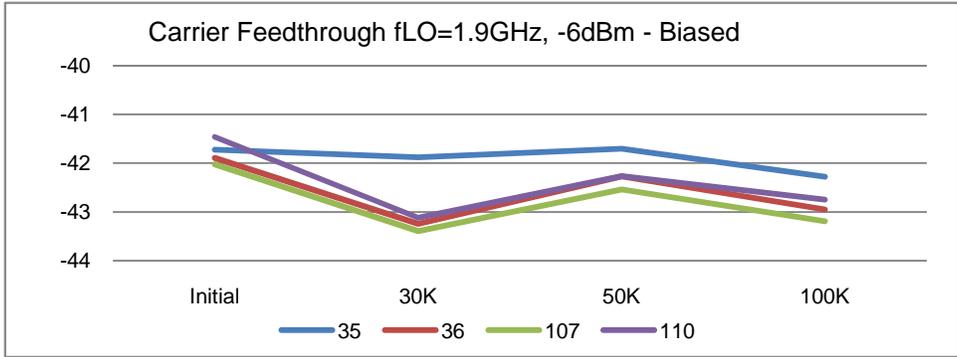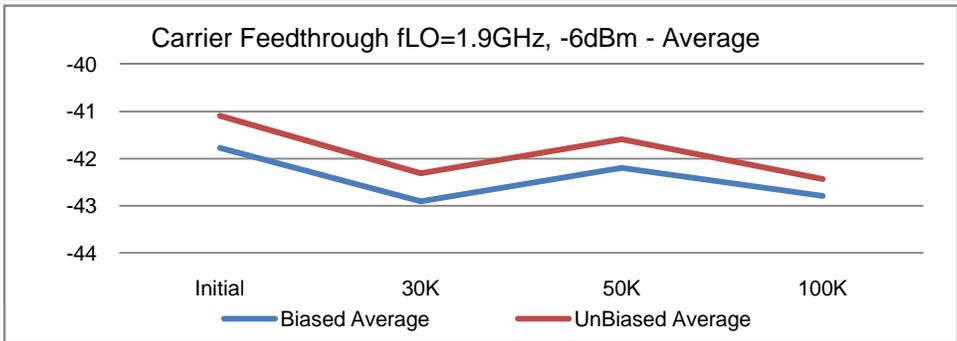
T# 58	P_SUPP_1900M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-36.7115**	**-37.5915**	**-37.31171**	**-36.85321**	**<-25**
104	**-37.5503**	**-36.4255**	**-38.21278**	**-38.06136**	
Biased 35	-37.0662	-36.1556	-37.22709	-37.15073	
36	-38.8069	-38.5195	-39.28389	-38.61974	
107	-41.4376	-37.180	-41.97221	-41.1967	
110	-33.9389	-32.1591	-33.92287	-33.83496	
Min	-41.4376	-38.5195	-41.9722	-41.1967	
Max	-33.9389	-32.1591	-33.9229	-33.8350	
Average	-37.8124	-36.0035	-38.1015	-37.7005	
UnBiased 33	-37.2339	-36.725	-37.71537	-37.30452	
34	-37.6865	-35.8489	-37.89398	-37.62691	
109	-36.8289	-36.1934	-37.08019	-36.57398	
111	-38.5493	-36.5092	-38.95316	-38.31086	
Min	-38.5493	-36.7250	-38.9532	-38.3109	
Max	-36.8289	-35.8489	-37.0802	-36.5740	
Average	-37.5747	-36.3191	-37.9107	-37.4541	

Sideband Suppression fLO=1.9GHz, -6dBm - Average

Sideband Suppression fLO=1.9GHz, -6dBm - Biased

Sideband Suppression fLO=1.9GHz, -6dBm - UnBiased
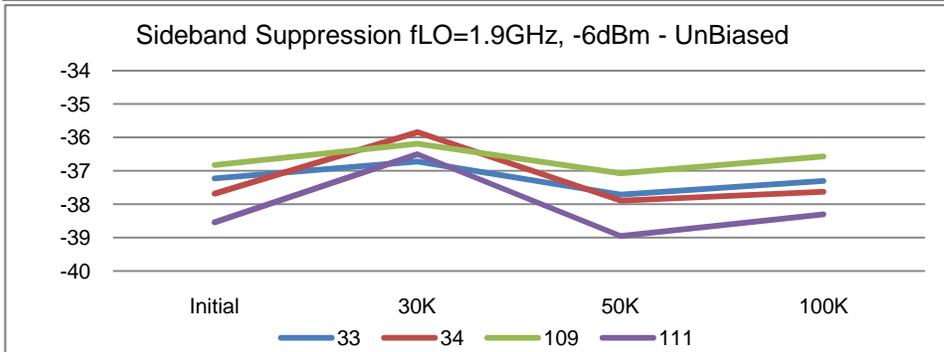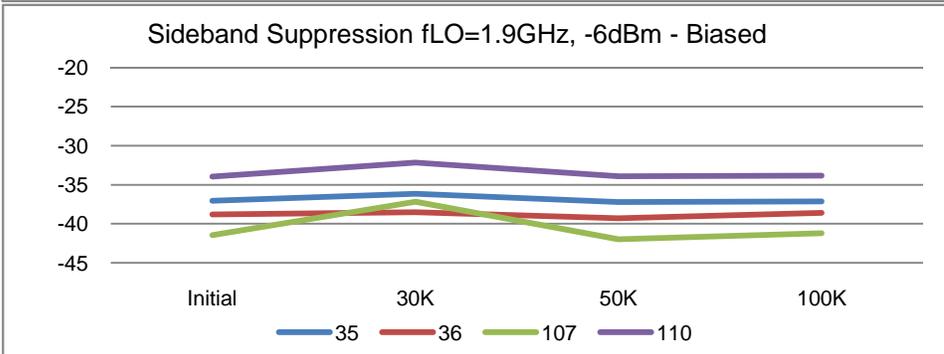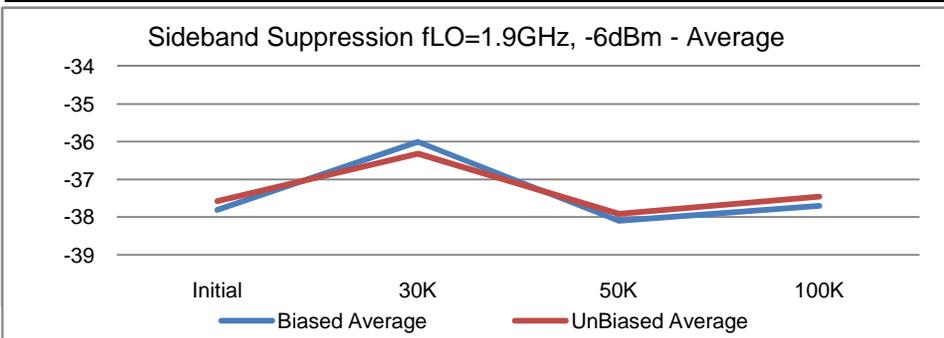
	T# 59	P_2ndL_1900M_3V_-6dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	-57.55009	-49.6901	-59.42717	-59.73623	<-45
	104	-60.0133	-51.2721	-60.66071	-61.52223	
Biased	35	-57.9392	-50.74	-59.68165	-59.84381	
	36	-63.90454	-51.3037	-66.72945	-64.04803	
	107	-63.67278	-52.780	-67.67591	-68.46318	
	110	-59.11927	-50.2395	-60.87484	-60.78119	
	Min	-63.9045	-52.7799	-67.6759	-68.4632	
	Max	-57.9392	-50.2395	-59.6817	-59.8438	
	Average	-61.1589	-51.2658	-63.7405	-63.2841	
UnBiased	33	-63.77349	-53.0456	-64.60424	-64.27675	
	34	-63.27333	-51.0655	-66.11617	-64.39381	
	109	-65.34465	-53.8166	-68.21808	-67.32694	
	111	-60.13814	-52.5015	-61.41922	-61.64201	
	Min	-65.3447	-53.8166	-68.2181	-67.3269	
	Max	-60.1381	-51.0655	-61.4192	-61.6420	
	Average	-63.1324	-52.6073	-65.0894	-64.4099	

2nd Lower Harmonic fLO=1.9GHz, -6dBm - Average

2nd Lower Harmonic fLO=1.9GHz, -6dBm - Biased

2nd Lower Harmonic fLO=1.9GHz, -6dBm - UnBiased
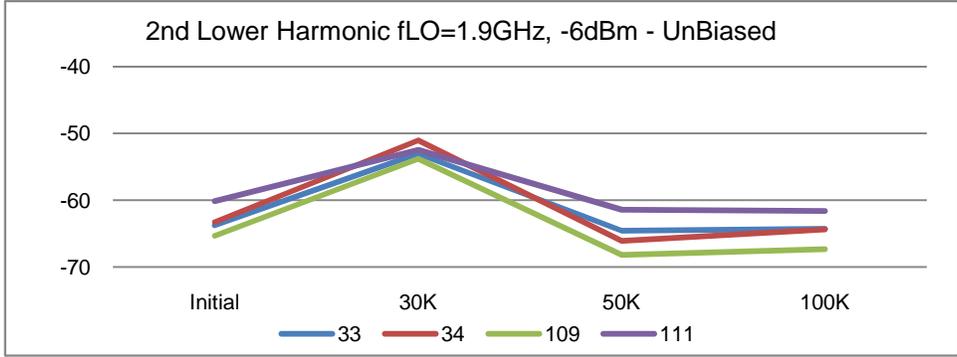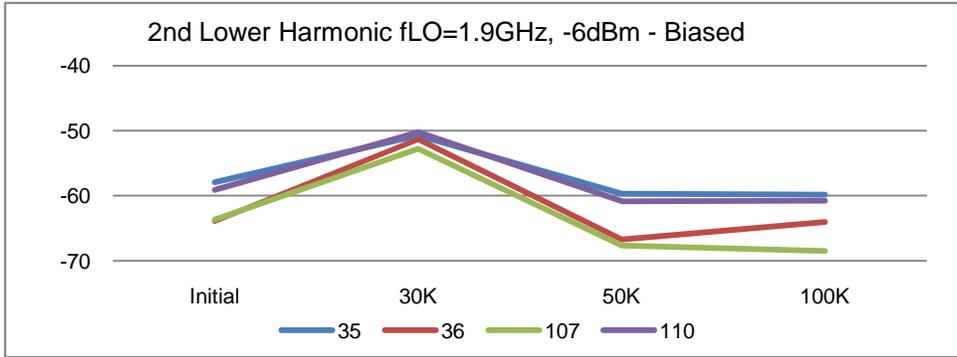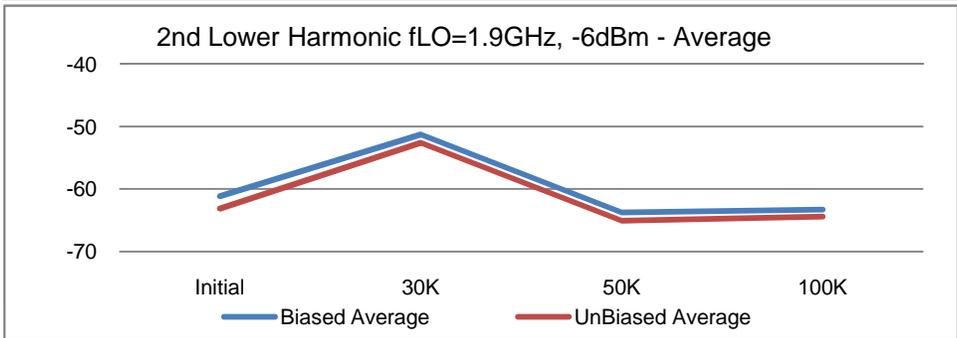
T# 60	P_2ndU_1900M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control **38**	**-70.5578**	**-57.4684**	**-70.76374**	**-69.55965**	**<-45**
104	**-64.7915**	**-57.308**	**-64.99885**	**-64.37308**	
Biased **35**	-69.3034	-57.716	-67.33844	-65.02394	
36	-68.502	-56.4395	-70.69432	-70.82521	
107	-68.8322	-57.338	-70.94234	-68.40634	
110	-76.6894	-56.9506	-75.72606	-75.82266	
Min	-76.6894	-57.7160	-75.7261	-75.8227	
Max	-68.5020	-56.4395	-67.3384	-65.0239	
Average	-70.8317	-57.1111	-71.1753	-70.0195	
UnBiased **33**	-67.9203	-54.7339	-70.40885	-66.43729	
34	-71.015	-55.0106	-72.31447	-76.26445	
109	-67.2469	-58.573	-68.90047	-66.42182	
111	-67.4691	-60.237	-64.40315	-63.6772	
Min	-71.0150	-60.2370	-72.3145	-76.2645	
Max	-67.2469	-54.7339	-64.4032	-63.6772	
Average	-68.4128	-57.1386	-69.0067	-68.2002	

2nd Upper Harmonic fLO=1.9GHz, -6dBm - Average

2nd Upper Harmonic fLO=1.9GHz, -6dBm - Biased

2nd Upper Harmonic fLO=1.9GHz, -6dBm - UnBiased
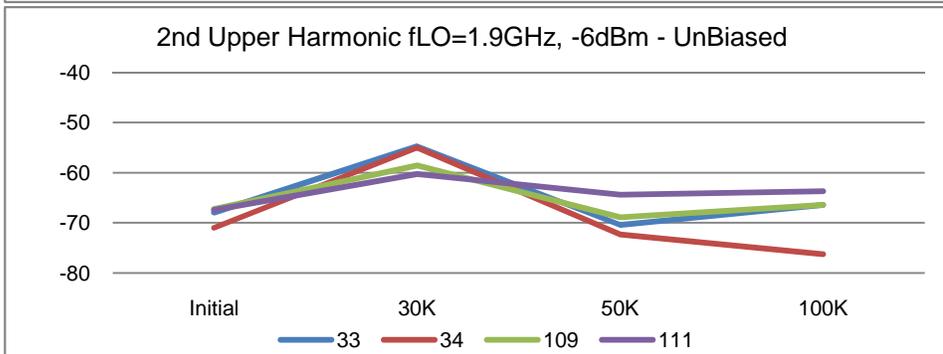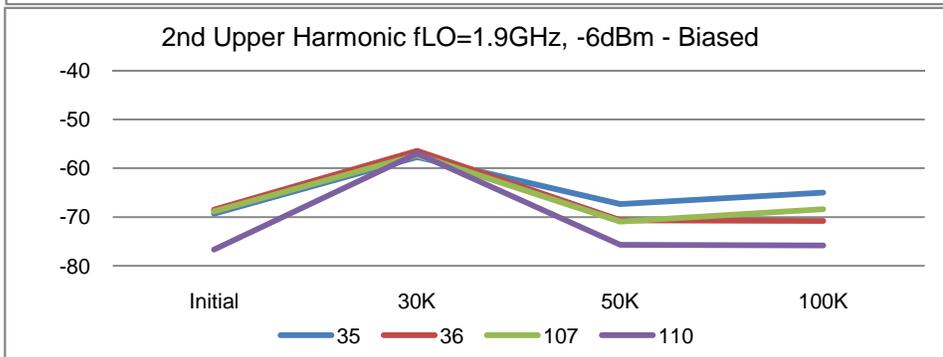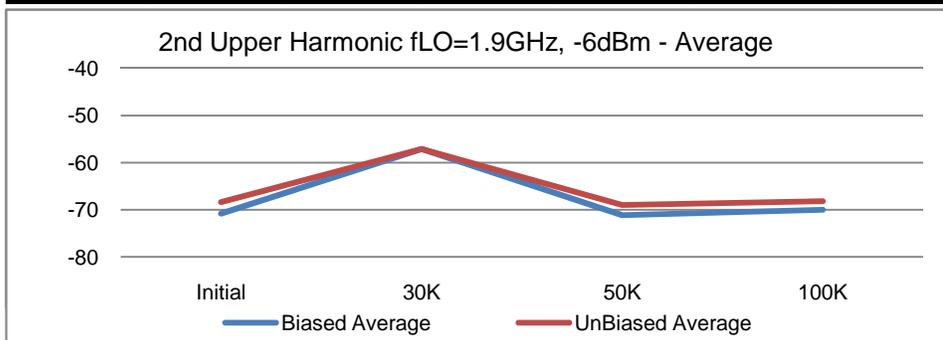
T# 61	P_3rdU_1900M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-52.98488**	**-53.8538**	**-54.43646**	**-53.49743**	**<-45**
104	**-54.19353**	**-55.3332**	**-55.23039**	**-55.26535**	
Biased 35	-54.99082	-54.8335	-55.22158	-54.51229	
36	-55.21938	-56.1434	-56.41616	-55.26014	
107	-52.00739	-52.542	-52.98283	-52.45052	
110	-56.76038	-56.7937	-57.56893	-57.23022	
Min	-56.7604	-56.7937	-57.5689	-57.2302	
Max	-52.0074	-52.5416	-52.9828	-52.4505	
Average	-54.7445	-55.0780	-55.5474	-54.8633	
UnBiased 33	-52.83676	-53.2058	-53.71704	-53.80717	
34	-52.81618	-53.0417	-53.40795	-53.37888	
109	-51.63545	-52.3161	-53.46897	-52.86352	
111	-55.54495	-56.0957	-56.98625	-55.48301	
Min	-55.5450	-56.0957	-56.9863	-55.4830	
Max	-51.6355	-52.3161	-53.4080	-52.8635	
Average	-53.2083	-53.6648	-54.3951	-53.8831	

3rd Upper Harmonic fLO=1.9GHz, -6dBm - Average

3rd Upper Harmonic fLO=2.3GHz, -6dBm - Biased

3rd Upper Harmonic fLO=2.3GHz, -6dBm - UnBiased
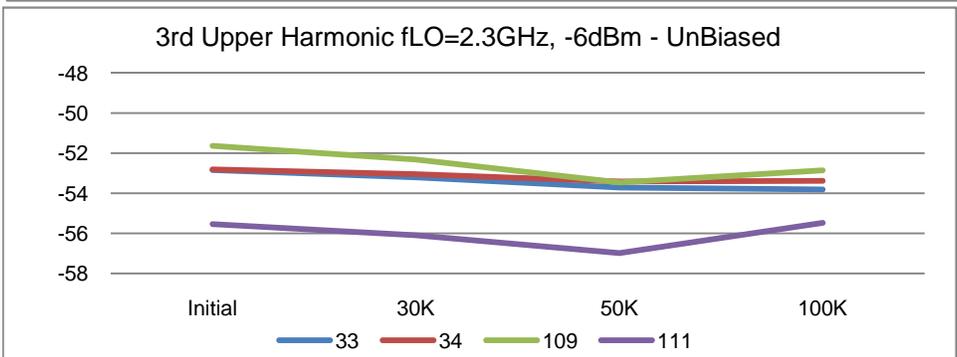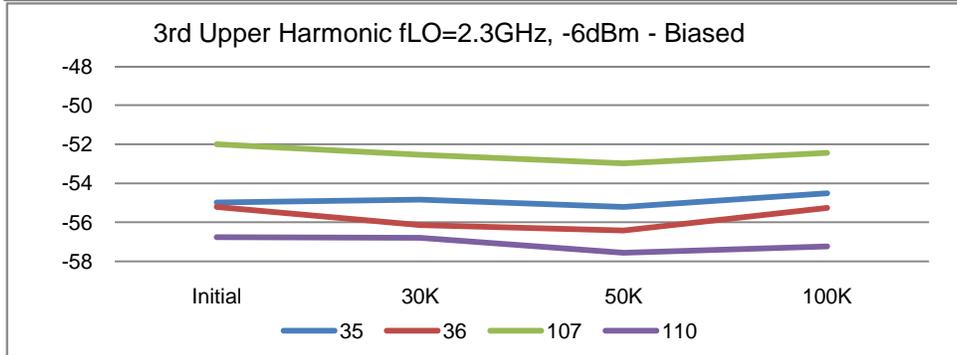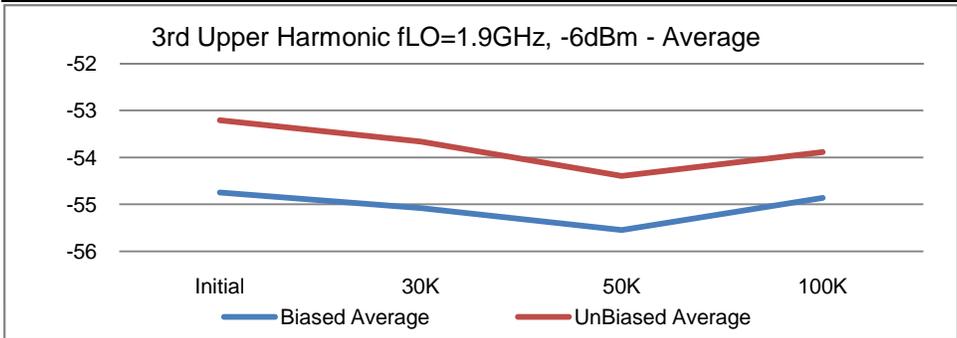
T# 62		P_OUT_2300M_3V_-6dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-10.4162**	**-10.5491**	**-10.32363**	**-11.19327**	**>-17**
104	**-10.6909**	**-10.7765**	**-10.63806**	**-11.50815**	**<-8**
Biased 35	-10.5829	-10.7344	-10.54054	-11.41474	
36	-10.7206	-10.9361	-10.74759	-11.6279	
107	-10.5241	-10.713	-10.54364	-11.38096	
110	-10.8162	-11.3546	-11.27047	-12.13684	
Min	-10.8162	-11.3546	-11.2705	-12.1368	
Max	-10.5241	-10.7125	-10.5405	-11.3810	
Average	-10.6610	-10.9344	-10.7756	-11.6401	
UnBiased 33	-10.7418	-10.8089	-10.56758	-11.49756	
34	-10.7002	-10.7822	-10.59222	-11.48766	
109	-10.4645	-10.9146	-10.8128	-11.72321	
111	-10.3456	-10.8018	-10.71082	-11.62904	
Min	-10.7418	-10.9146	-10.8128	-11.7232	
Max	-10.3456	-10.7822	-10.5676	-11.4877	
Average	-10.5630	-10.8269	-10.6709	-11.5844	

Output Power fLO=2.3GHz, -6dBm - Average

Output Power fLO=2.3GHz, -6dBm - Biased

Output Power fLO=2.3GHz, -6dBm - UnBiased
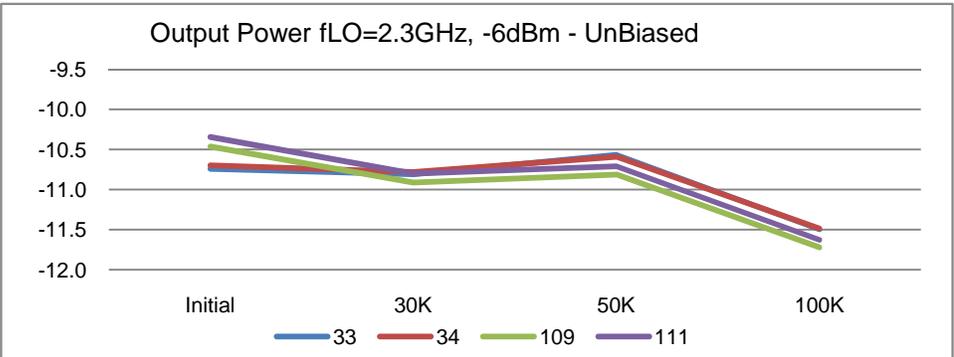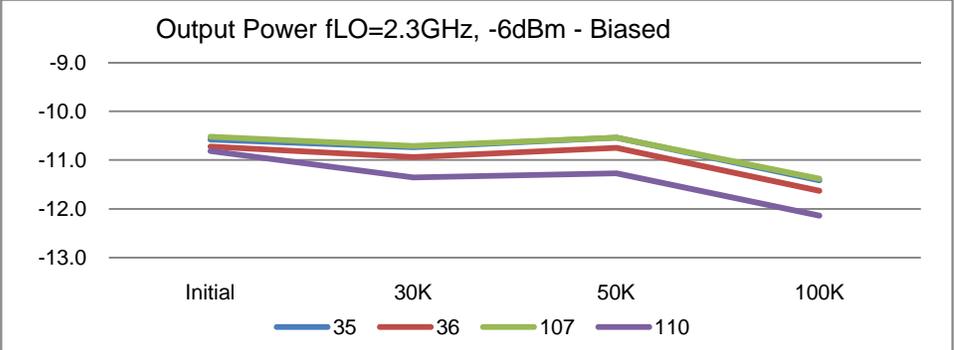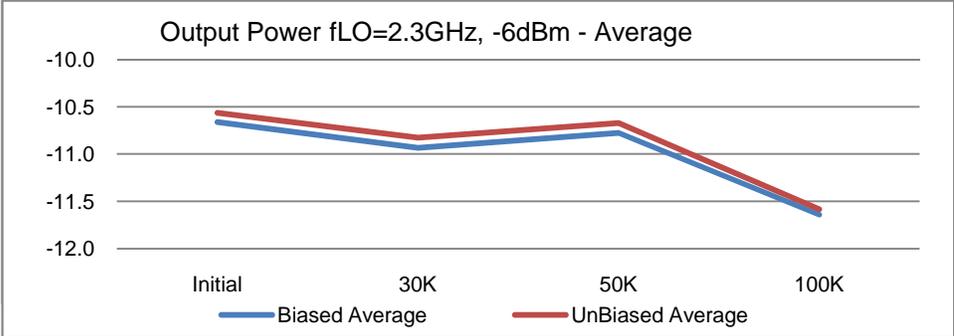
T# 63		P_FDTH_2300M_3V_-6dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-47.75832**	**-47.8886**	**-47.45495**	**-48.197**	**<-34**
104	**-41.57864**	**-41.82**	**-41.25333**	**-42.2351**	
Biased 35	-40.63507	-40.8999	-40.61287	-41.24817	
36	-41.22058	-41.8179	-40.99062	-41.87671	
107	-41.29217	-42.013	-41.23599	-42.12226	
110	-41.43104	-42.1352	-41.38448	-42.32787	
Min	-41.4310	-42.1352	-41.3845	-42.3279	
Max	-40.6351	-40.8999	-40.6129	-41.2482	
Average	-41.1447	-41.7164	-41.0560	-41.8938	
UnBiased 33	-39.11507	-39.603	-38.97024	-40.09024	
34	-41.41398	-42.2715	-40.854	-42.00501	
109	-40.69371	-41.4879	-40.92204	-41.85978	
111	-41.228	-41.6767	-41.44985	-42.4818	
Min	-41.4140	-42.2715	-41.4499	-42.4818	
Max	-39.1151	-39.6030	-38.9702	-40.0902	
Average	-40.6127	-41.2598	-40.5490	-41.6092	

Carrier Feedthrough fLO=2.3GHz, -6dBm - Average
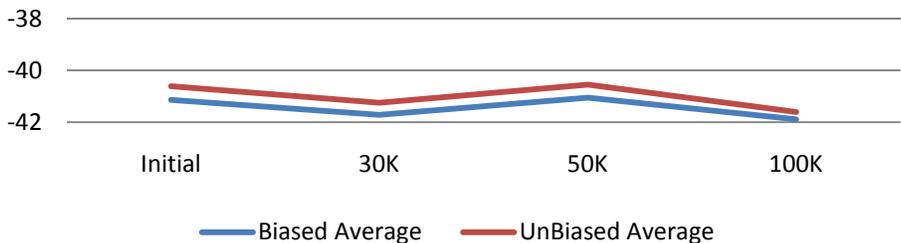
Biased Average   UnBiased Average

Carrier Feedthrough fLO=2.3GHz, -6dBm - Biased

35   36   107   110

### Carrier Feedthrough fLO=2.3GHz, -6dBm - UnBiased

33   34   109   111
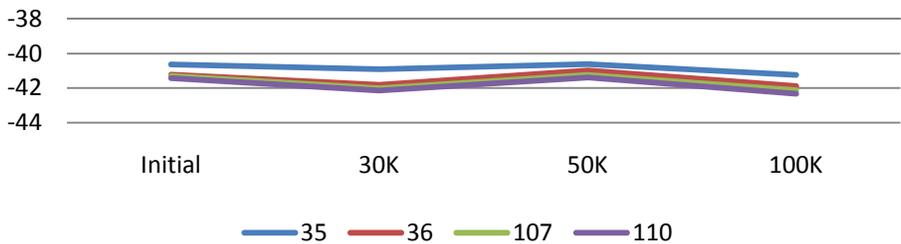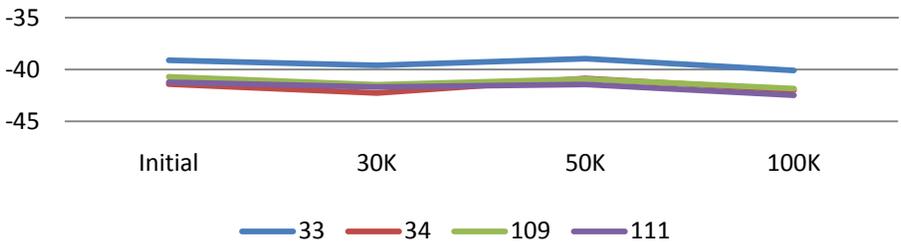
T# 64	P_SUPP_2300M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-38.9899**	**-40.4438**	**-39.21857**	**-38.50281**	**<-25**
104	**-40.8501**	**-39.2884**	**-41.19212**	**-40.55168**	
Biased 35	-39.8282	-38.5692	-39.91925	-39.49736	
36	-41.788	-42.0286	-41.67182	-40.86437	
107	-47.1618	-39.934	-47.03019	-45.10305	
110	-34.3685	-33.3707	-34.16488	-34.03356	
Min	-47.1618	-42.0286	-47.0302	-45.1031	
Max	-34.3685	-33.3707	-34.1649	-34.0336	
Average	-40.7866	-38.4756	-40.6965	-39.8746	
UnBiased 33	-40.7506	-40.3972	-41.38371	-40.64039	
34	-41.9304	-38.4798	-41.53755	-41.57574	
109	-38.3805	-39.2293	-38.45874	-37.87138	
111	-39.9636	-38.4544	-40.49512	-39.46559	
Min	-41.9304	-40.3972	-41.5376	-41.5757	
Max	-38.3805	-38.4544	-38.4587	-37.8714	
Average	-40.2563	-39.1402	-40.4688	-39.8883	

Sideband Suppression fLO=2.3GHz, -6dBm - Average

Biased Average — UnBiased Average

Sideband Suppression fLO=2.3GHz, -6dBm - Biased

35 — 36 — 107 — 110

Sideband Suppression fLO=2.3GHz, -6dBm - UnBiased

33 — 34 — 109 — 111
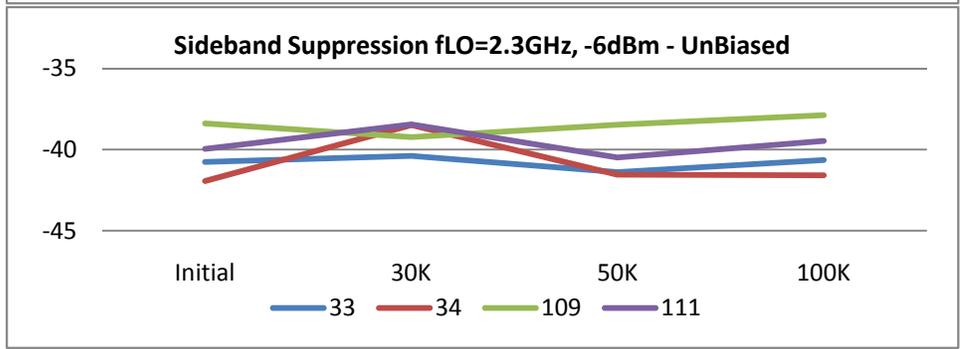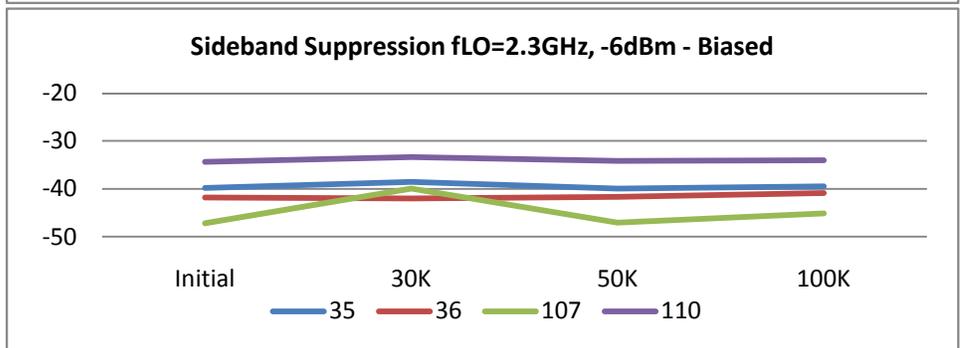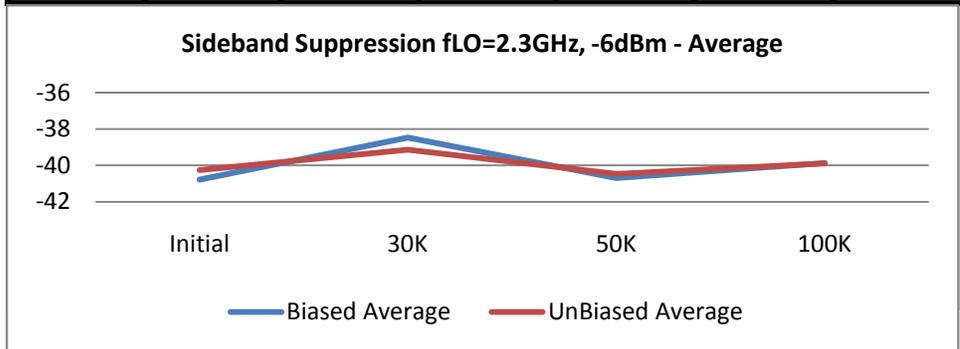
| T# 65	P_2ndL_2300M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-67.98625**	**-50.139**	**-80.08498**	**-72.15811**	**<-45**
104	**-62.99471**	**-53.3074**	**-65.24014**	**-60.55235**	
Biased 35	-61.61469	-51.3868	-62.29023	-63.6139	
36	-70.42936	-51.9709	-71.16148	-62.08768	
107	-69.44489	-53.158	-64.31472	-65.84539	
110	-64.52876	-50.4052	-67.90431	-68.84222	
Min	-70.4294	-53.1583	-71.1615	-68.8422	
Max	-61.6147	-50.4052	-62.2902	-62.0877	
Average	-66.5044	-51.7303	-66.4177	-65.0973	
UnBiased 33	-65.59998	-54.0514	-63.51133	-61.68783	
34	-68.58804	-51.0753	-67.04001	-68.41927	
109	-67.43314	-54.6223	-65.45242	-63.57775	
111	-64.73023	-54.6074	-65.43382	-63.0704	
Min	-68.5880	-54.6223	-67.0400	-68.4193	
Max	-64.7302	-51.0753	-63.5113	-61.6878	
Average	-66.5878	-53.5891	-65.3594	-64.1888	

**2nd Lower Harmonic fLO=2.3GHz, -6dBm - Average**
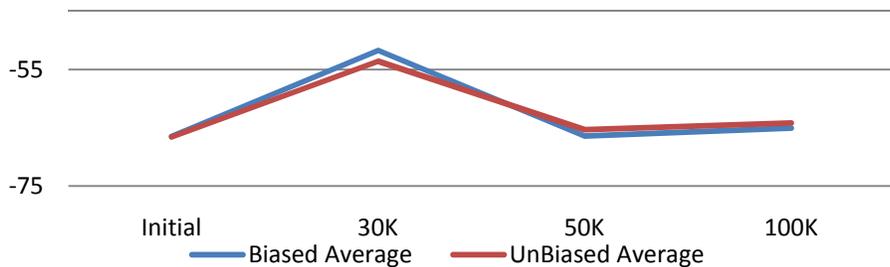

**2nd Lower Harmonic fLO=2.3GHz, -6dBm - Biased**
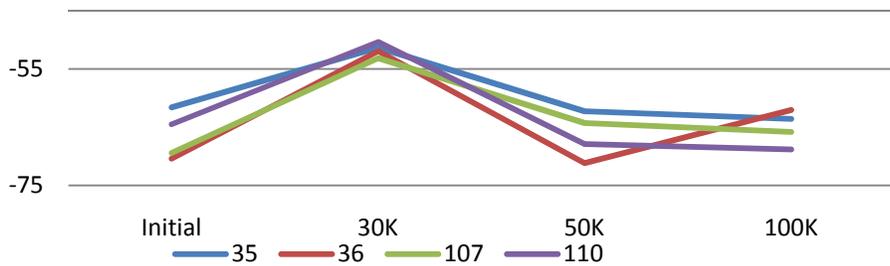

2nd Lower Harmonic fLO=2.3GHz, -6dBm - UnBiased
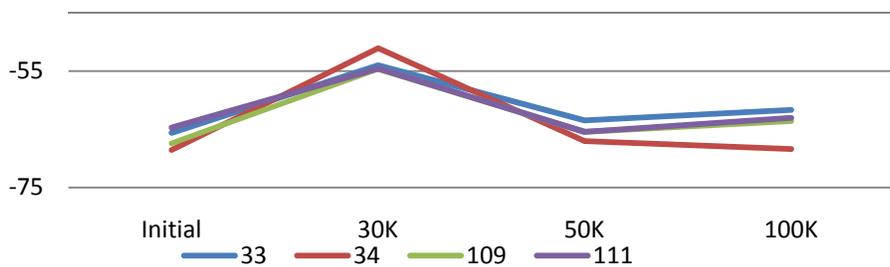
T# 66	P_2ndU_2300M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-68.4169**	**-55.6053**	**-64.4879**	**-62.69845**	**<-45**
104	**-62.889**	**-56.4559**	**-66.22809**	**-61.50768**	
Biased 35	-65.9133	-56.2872	-64.10262	-62.71917	
36	-66.8029	-54.8714	-64.70338	-64.90392	
107	-63.7262	-58.076	-62.54176	-60.87888	
110	-74.6515	-54.0131	-69.8596	-73.95924	
Min	-74.6515	-58.0764	-69.8596	-73.9592	
Max	-63.7262	-54.0131	-62.5418	-60.8789	
Average	-67.7734	-55.8120	-65.3018	-65.6153	
UnBiased 33	-63.0345	-53.6588	-62.62873	-62.00375	
34	-78.9068	-54.1489	-69.08418	-65.92254	
109	-63.4237	-56.219	-63.044	-60.50975	
111	-64.5037	-59.6936	-63.25631	-63.92293	
Min	-78.9068	-59.6936	-69.0842	-65.9225	
Max	-63.0345	-53.6588	-62.6287	-60.5098	
Average	-67.4671	-55.9301	-64.5033	-63.0897	

2nd Upper Harmonic fLO=2.3GHz, -6dBm - Average

2nd Upper Harmonic fLO=2.3GHz, -6dBm - Biased

2nd Upper Harmonic fLO=2.3GHz, -6dBm - UnBiased
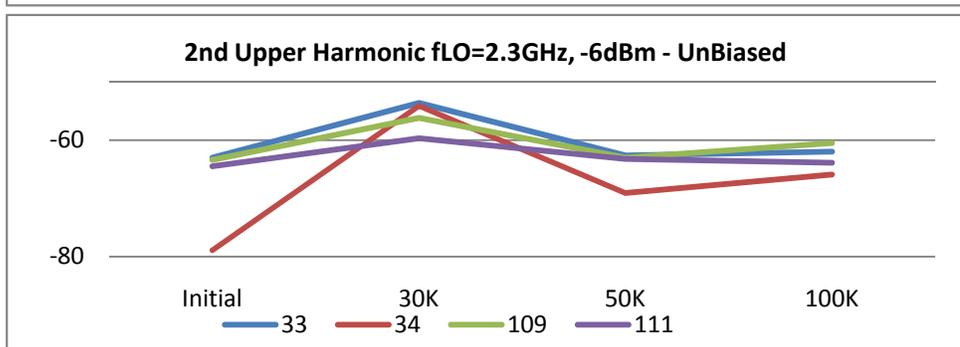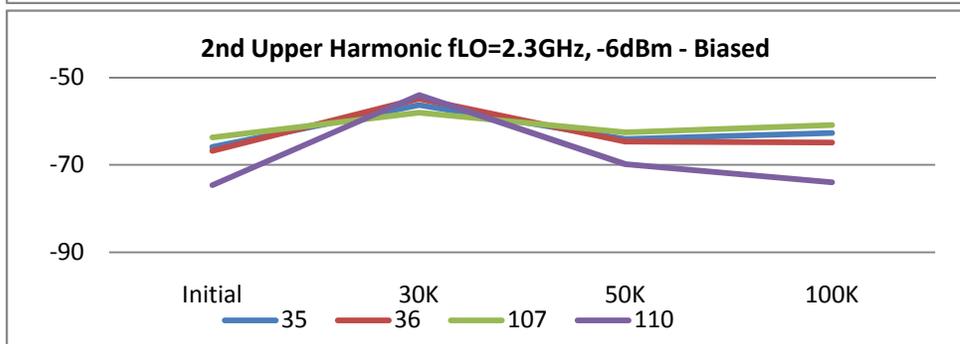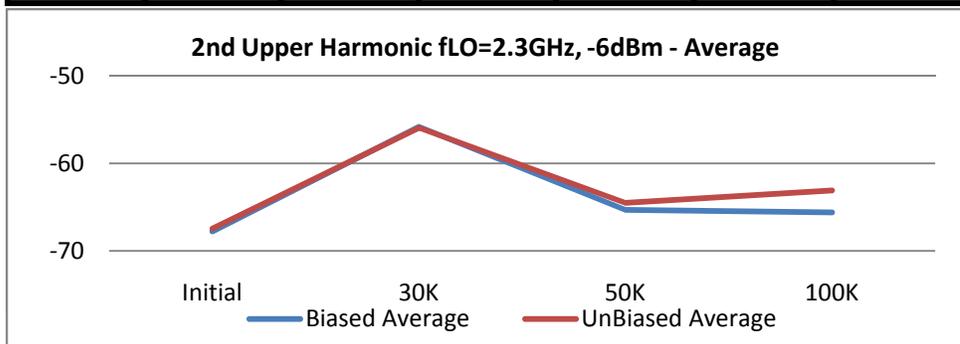
T# 67	P_3rdU_2300M_3V_-6dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-58.54891**	**-59.3709**	**-59.46489**	**-60.35952**	**<-47**
104	**-59.60353**	**-60.5757**	**-63.16148**	**-62.50879**	
Biased 35	-62.27832	-62.0871	-62.3055	-61.19478	
36	-60.10598	-59.9649	-60.96169	-60.95238	
107	-57.6547	-60.981	-61.35963	-60.00287	
110	-62.35377	-61.5811	-62.72019	-60.1583	
Min	-62.3538	-62.0871	-62.7202	-61.1948	
Max	-57.6547	-59.9649	-60.9617	-60.0029	
Average	-60.5982	-61.1534	-61.8368	-60.5771	
UnBiased 33	-57.63331	-58.3127	-59.3254	-61.61403	
34	-62.47354	-58.7944	-61.7972	-64.15015	
109	-57.55058	-61.0119	-61.99668	-59.95953	
111	-61.36451	-61.5611	-62.85084	-65.01725	
Min	-62.4735	-61.5611	-62.8508	-65.0173	
Max	-57.5506	-58.3127	-59.3254	-59.9595	
Average	-59.7555	-59.9200	-61.4925	-62.6852	

3rd Upper Harmonic fLO=2.3GHz, -6dBm - Average
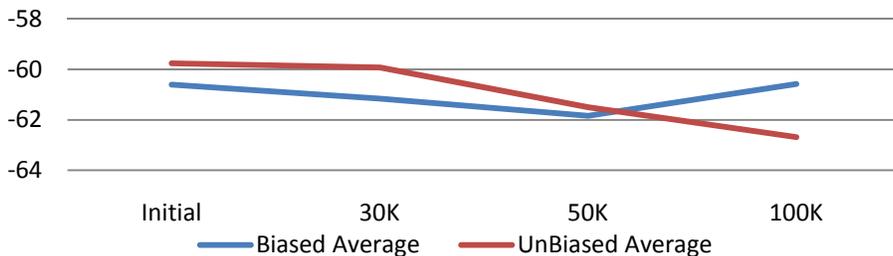
3rd Upper Harmonic fLO=2.3GHz, -6dBm - Biased
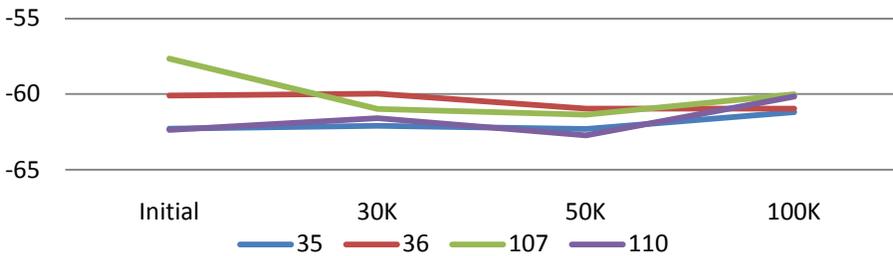
3rd Upper Harmonic fLO=2.3GHz, -6dBm - UnBiased
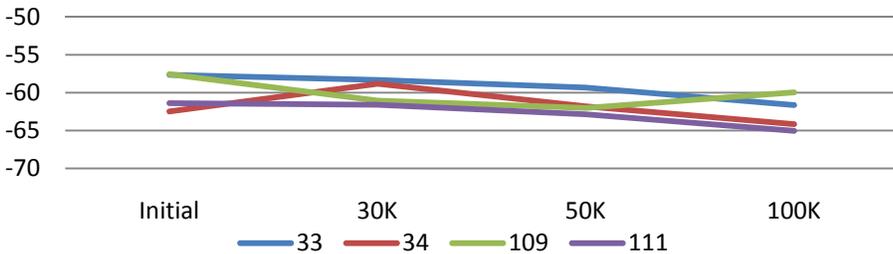
T# 68		P_OUT_800M_3V_-12dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-6.5119**	**-6.7106**	**-6.5431**	**-7.1867**	**>-11**
104	**-6.70796**	**-6.8229**	**-6.67553**	**-7.32935**	**<-4**
Biased 35	-6.53191	-6.68898	-6.54072	-7.18695	
36	-6.64087	-6.81282	-6.65055	-7.305	
107	-6.63019	-6.781	-6.62101	-7.26463	
110	-6.58531	-6.83203	-6.69727	-7.35082	
Min	-6.6409	-6.8320	-6.6973	-7.3508	
Max	-6.5319	-6.6890	-6.5407	-7.1870	
Average	-6.5971	-6.7787	-6.6274	-7.2769	
UnBiased 33	-6.62751	-6.80608	-6.637	-7.28288	
34	-6.63763	-6.80634	-6.64422	-7.30425	
109	-6.64615	-6.88455	-6.76389	-7.43829	
111	-6.48898	-6.69545	-6.58683	-7.23541	
Min	-6.6462	-6.8846	-6.7639	-7.4383	
Max	-6.4890	-6.6955	-6.5868	-7.2354	
Average	-6.6001	-6.7981	-6.6580	-7.3152	

Output Power fLO=800MHz, -12dBm - Average

Output Power fLO=800MHz, -12dBm - Biased

Output Power fLO=800MHz, -12dBm - UnBiased
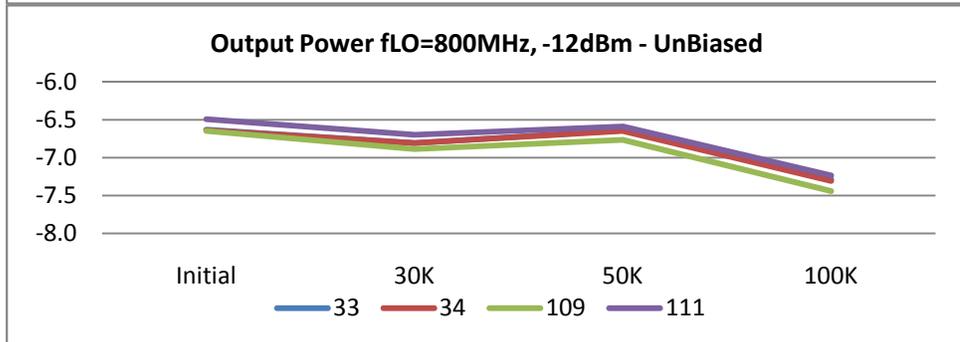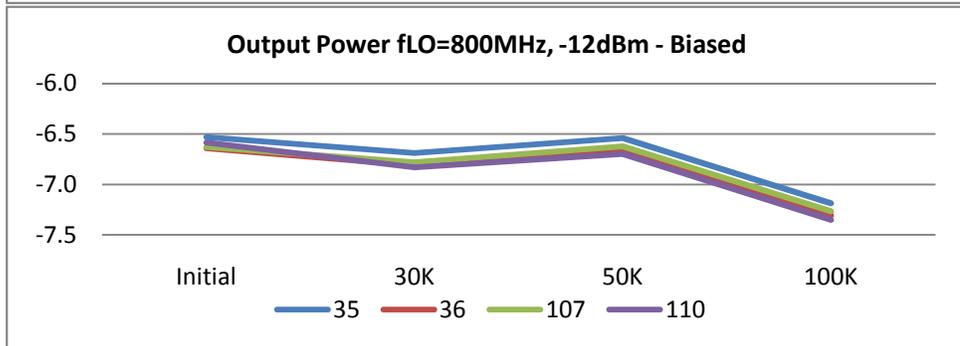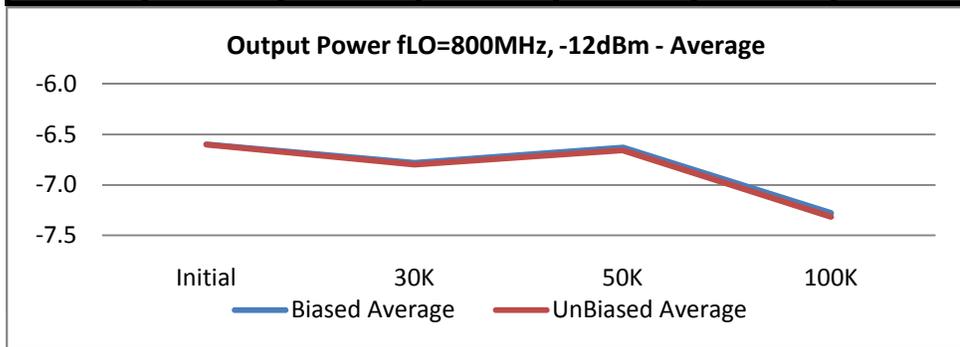
| T# 69		P_FDTH_800M_3V_-12dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-44.5684**	**-43.9992**	**-44.8614**	**-45.3547**	**<-35**
104	**-42.1495**	**-42.1178**	**-42.20709**	**-42.94672**	
Biased 35	-40.99084	-41.3028	-41.17707	-41.96498	
36	-47.03473	-48.4633	-47.43454	-48.16553	
107	-45.42542	-46.594	-45.84201	-46.70465	
110	-47.3314	-48.5801	-47.96215	-48.6521	
Min	-47.3314	-48.5801	-47.9622	-48.6521	
Max	-40.9908	-41.3028	-41.1771	-41.9650	
Average	-45.1956	-46.2350	-45.6039	-46.3718	
UnBiased 33	-41.3033	-41.9589	-41.34853	-42.52627	
34	-44.96412	-45.6939	-44.7456	-45.71526	
109	-44.40572	-45.5764	-45.08629	-46.25566	
111	-43.8438	-44.1448	-44.33912	-45.242	
Min	-44.9641	-45.6939	-45.0863	-46.2557	
Max	-41.3033	-41.9589	-41.3485	-42.5263	
Average	-43.6292	-44.3435	-43.8799	-44.9348	

**Carrier Feedthrough fLO=800MHz, -12dBm - Average**
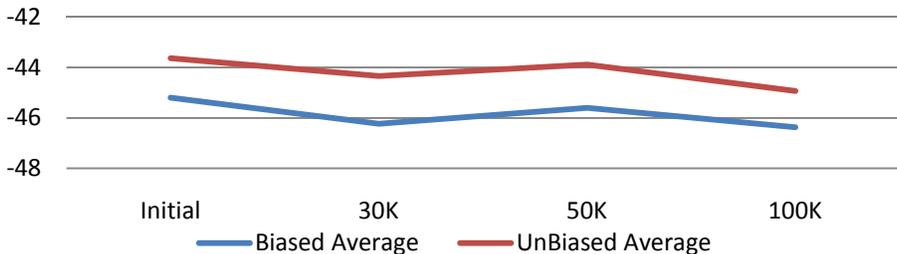
Carrier Feedthrough fLO=800MHz, -12dBm - Biased
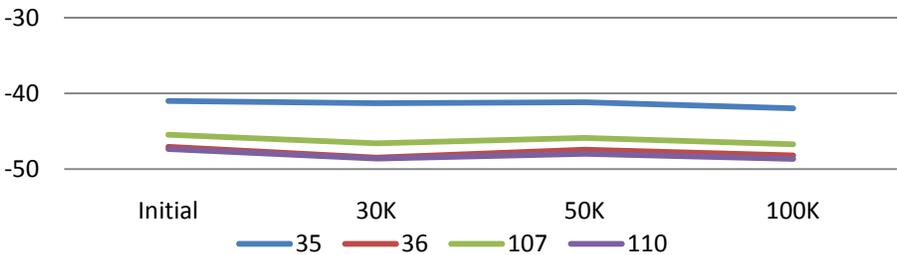
Carrier Feedthrough fLO=800MHz, -12dBm - UnBiased
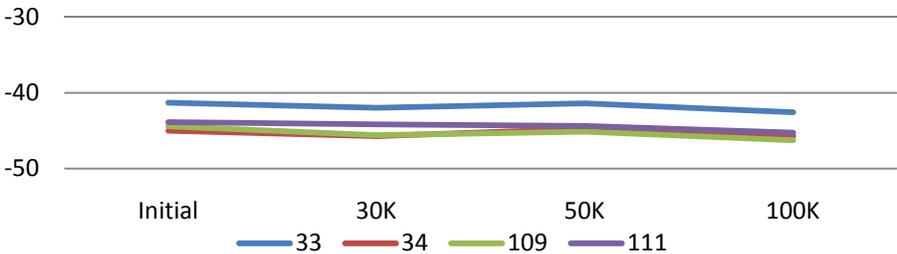
T# 70		P_SUPP_800M_3V_-12dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control					
38	**-47.1952**	**-48.4394**	**-47.40897**	**-46.1376**	**<-28**
104	**-50.5307**	**-40.2414**	**-52.41663**	**-54.25627**	
Biased					
35	-51.6037	-41.6405	-51.74837	-52.70321	
36	-49.2413	-43.938	-49.88098	-48.17107	
107	-54.8403	-38.297	-57.02376	-85.3373	
110	-42.2182	-34.2723	-41.75622	-43.30056	
Min	-54.8403	-43.9380	-57.0238	-85.3373	
Max	-42.2182	-34.2723	-41.7562	-43.3006	
Average	-49.4759	-39.5370	-50.1023	-57.3780	
UnBiased					
33	-48.1638	-42.1635	-48.75554	-48.67161	
34	-46.4865	-38.4031	-45.13346	-46.99195	
109	-43.4989	-40.6429	-44.06103	-43.41647	
111	-46.1486	-38.8357	-47.30477	-45.90104	
Min	-48.1638	-42.1635	-48.7555	-48.6716	
Max	-43.4989	-38.4031	-44.0610	-43.4165	
Average	-46.0745	-40.0113	-46.3137	-46.2453	

Sideband Suppression fLO=800MHz, -12dBm - Average

Sideband Suppression fLO=800MHz, -12dBm - Biased

Sideband Suppression fLO=800MHz, -12dBm - UnBiased
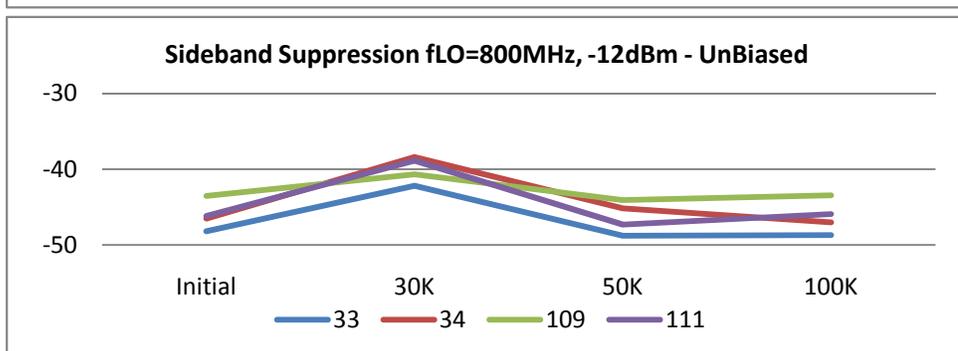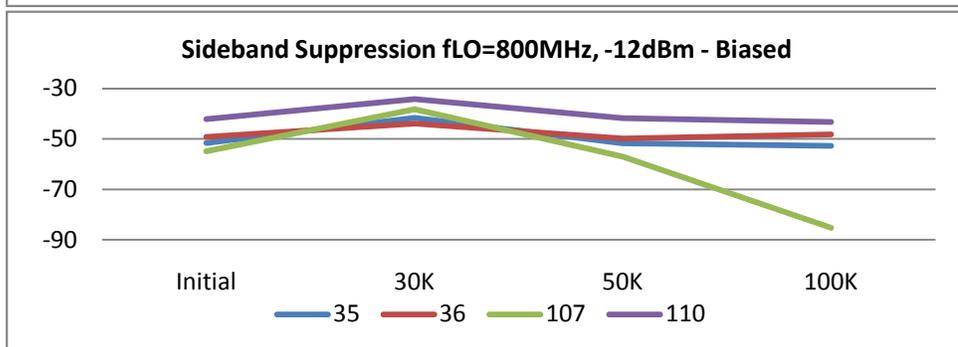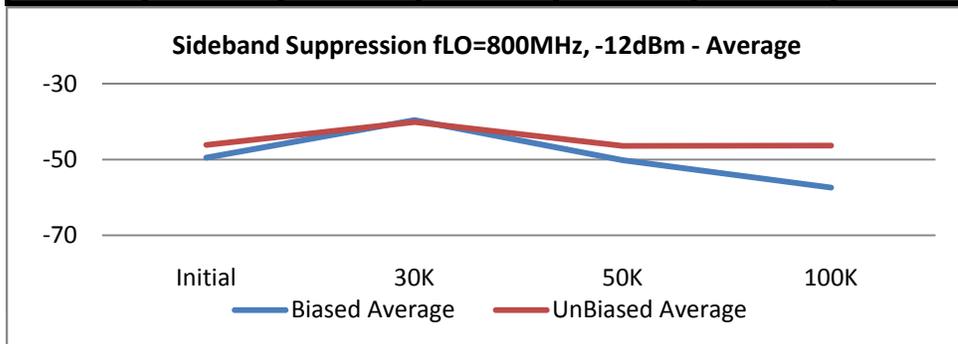
| T# 71	P_2ndL_800M_3V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-52.37877**	**-52.8447**	**-53.01372**	**-52.25674**	**<-42**
104	**-51.93935**	**-52.9139**	**-52.33347**	**-53.1994**	
Biased 35	-51.82093	-52.4937	-52.52333	-51.9369	
36	-53.07381	-54.1605	-54.04662	-53.61713	
107	-52.18915	-53.703	-53.19356	-53.21186	
110	-52.88917	-53.4709	-53.88867	-53.86393	
Min	-53.0738	-54.1605	-54.0466	-53.8639	
Max	-51.8209	-52.4937	-52.5233	-51.9369	
Average	-52.4933	-53.4570	-53.4130	-53.1575	
UnBiased 33	-52.06592	-53.4658	-53.04949	-52.69602	
34	-53.14252	-53.7372	-53.49755	-53.38213	
109	-51.96027	-53.517	-53.23633	-52.91017	
111	-51.99431	-53.2422	-52.83587	-52.84456	
Min	-53.1425	-53.7372	-53.4976	-53.3821	
Max	-51.9603	-53.2422	-52.8359	-52.6960	
Average	-52.2908	-53.4906	-53.1548	-52.9582	

2nd Lower Harmonic fLO=800MHz, -12dBm - Average
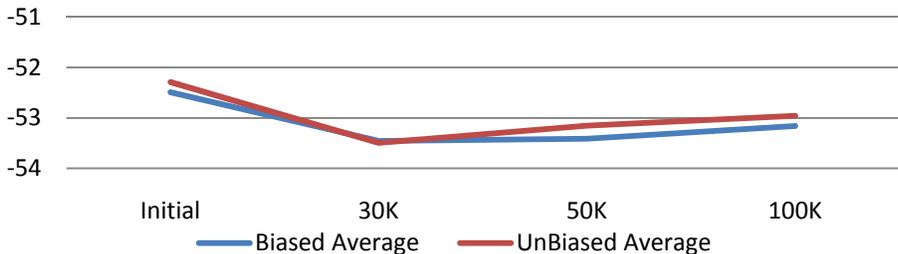
2nd Lower Harmonic fLO=800MHz, -12dBm - Biased
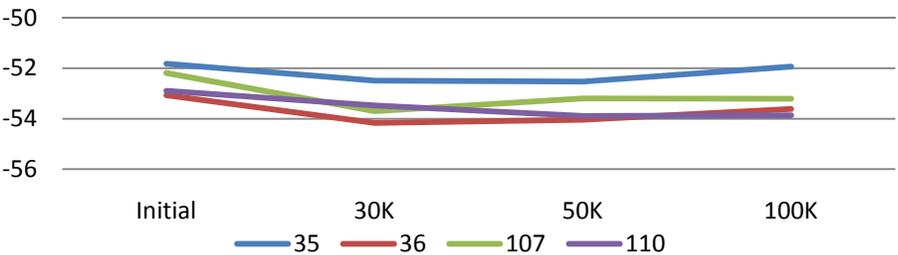
2nd Lower Harmonic fLO=800MHz, -12dBm - UnBiased
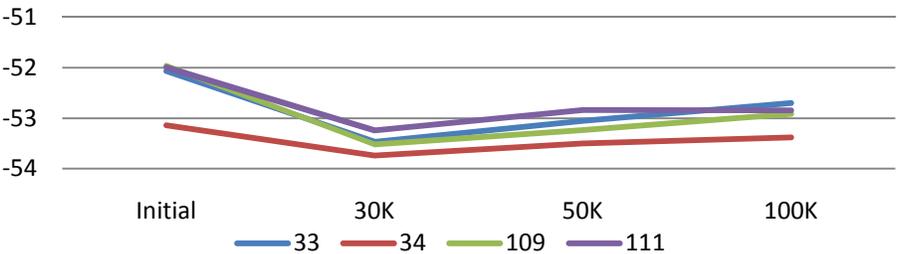
	T# 72	P_2ndU_800M_3V_-12dBm			dBc
	SN	Initial	30K	50K	100K	Limit
Control	**38**	**-64.1229**	**-68.1366**	**-64.67497**	**-64.71567**	**<-45**
	104	**-62.932**	**-71.7065**	**-65.17119**	**-64.53403**	
Biased	35	-63.0378	-71.005	-64.05845	-63.90867	
	36	-65.8113	-70.9791	-65.2663	-65.49149	
	107	-66.5905	-75.490	-65.62206	-65.57879	
	110	-68.1118	-73.3485	-68.05284	-66.7401	
	Min	-68.1118	-75.4900	-68.0528	-66.7401	
	Max	-63.0378	-70.9791	-64.0585	-63.9087	
	Average	-65.8879	-72.7056	-65.7499	-65.4298	
UnBiased	33	-66.9931	-78.1287	-64.3945	-66.88361	
	34	-67.8078	-71.4252	-68.26095	-66.59241	
	109	-67.8413	-78.3254	-65.50926	-65.86481	
	111	-64.6274	-74.7986	-65.41269	-64.70642	
	Min	-67.8413	-78.3254	-68.2610	-66.8836	
	Max	-64.6274	-71.4252	-64.3945	-64.7064	
	Average	-66.8174	-75.6695	-65.8944	-66.0118	

2nd Upper Harmonic fLO=800MHz, -12dBm - Average

2nd Upper Harmonic fLO=800MHz, -12dBm - Biased

2nd Upper Harmonic fLO=800MHz, -12dBm - UnBiased
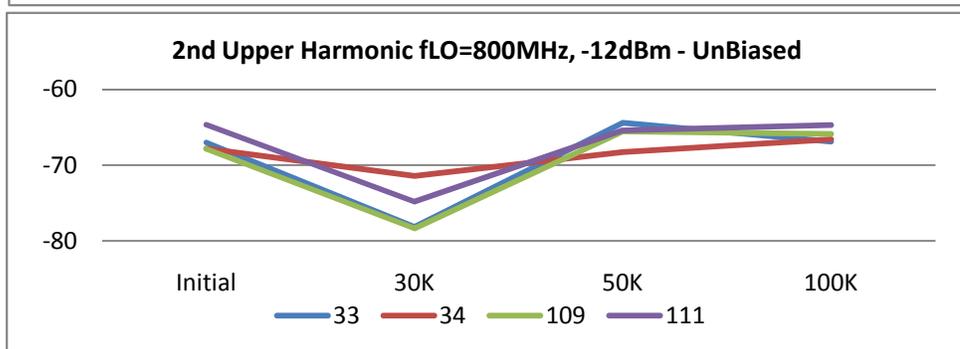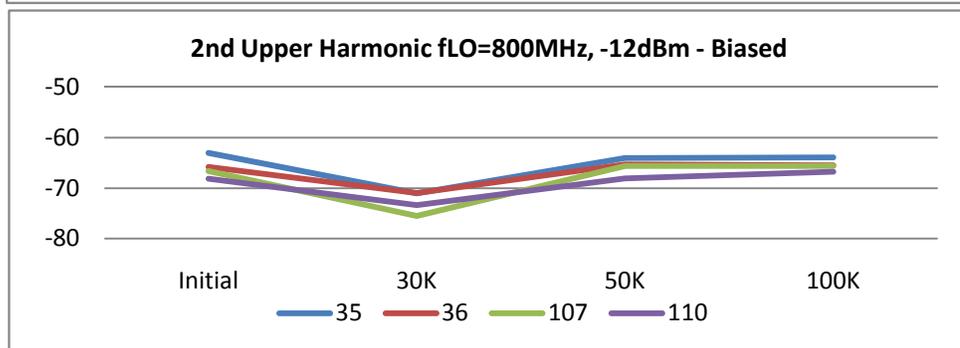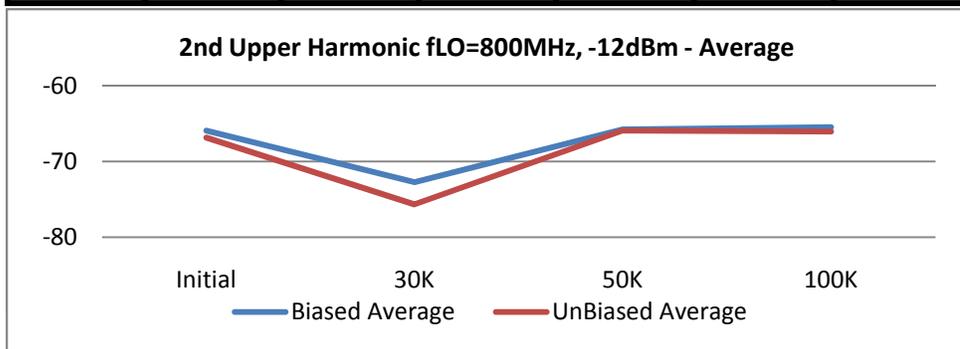
| T# 73	P_3rdU_800M_3V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-52.29818**	**-52.2987**	**-53.9375**	**-53.58264**	**<-45**
Control 104	**-53.52393**	**-52.8655**	**-54.61613**	**-54.3978**	
Biased 35	-54.01736	-53.7437	-55.64598	-54.99992	
Biased 36	-52.34189	-51.965	-53.24162	-53.46641	
Biased 107	-52.05442	-51.623	-53.4662	-52.99003	
Biased 110	-54.69728	-54.0125	-56.11034	-55.54609	
Biased Min	-54.6973	-54.0125	-56.1103	-55.5461	
Biased Max	-52.0544	-51.6234	-53.2416	-52.9900	
Biased Average	-53.2777	-52.8361	-54.6160	-54.2506	
UnBiased 33	-52.32061	-51.8226	-53.19197	-53.68319	
UnBiased 34	-52.16065	-51.7291	-53.30843	-53.43887	
UnBiased 109	-51.30782	-51.6934	-53.34369	-53.16145	
UnBiased 111	-51.64414	-51.7867	-53.27212	-53.75064	
UnBiased Min	-52.3206	-51.8226	-53.3437	-53.7506	
UnBiased Max	-51.3078	-51.6934	-53.1920	-53.1615	
UnBiased Average	-51.8583	-51.7579	-53.2791	-53.5085	

2rd Upper Harmonic fLO=800MHz, -12dBm - Average
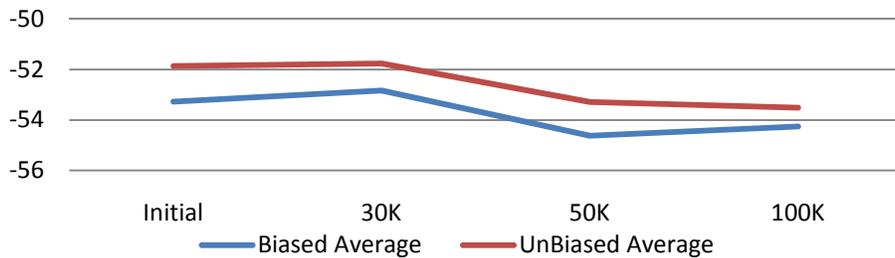
2rd Upper Harmonic fLO=800MHz, -12dBm - Biased
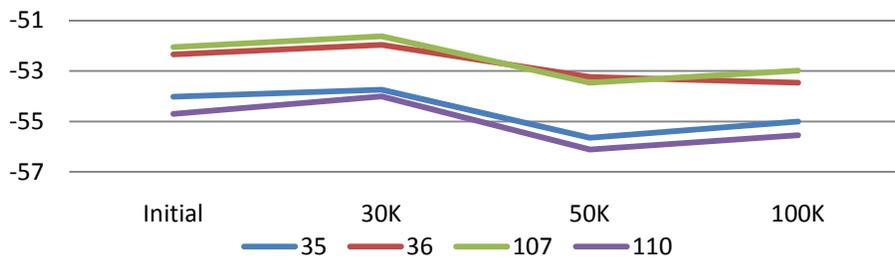

2rd Upper Harmonic fLO=800MHz, -12dBm - UnBiased
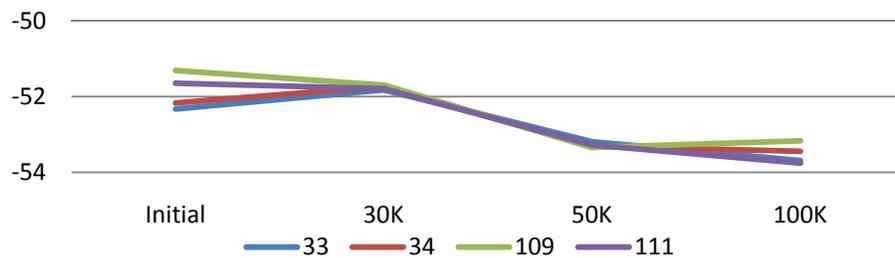
T# 74		P_OUT_1900M_3V_-12dBm			dBm
SN	Initial	30K	50K	100K	Limit
Control 38	-9.93693	-9.92363	-9.99522	-10.63881	>-14
104	-10.2812	-10.1568	-10.31504	-10.93287	<-7
Biased 35	-10.0978	-10.0985	-10.2299	-10.83962	
36	-10.2503	-10.2769	-10.40665	-11.04354	
107	-10.1166	-10.073	-10.21862	-10.78956	
110	-10.566	-10.9001	-11.08167	-11.74083	
Min	-10.5660	-10.9001	-11.0817	-11.7408	
Max	-10.0978	-10.0734	-10.2186	-10.7896	
Average	-10.2577	-10.3372	-10.4842	-11.1034	
UnBiased 33	-10.2132	-10.1621	-10.26713	-10.95497	
34	-10.192	-10.1507	-10.29052	-10.95799	
109	-9.9536	-10.2474	-10.47229	-11.14259	
111	-9.95294	-10.2318	-10.44959	-11.12484	
Min	-10.2132	-10.2474	-10.4723	-11.1426	
Max	-9.9529	-10.1507	-10.2671	-10.9550	
Average	-10.0779	-10.1980	-10.3699	-11.0451	

Output Power fLO=1.9GHz, -12dBm - Average

Output Power fLO=1.9GHz, -12dBm - Biased

Output Power fLO=1.9GHz, -12dBm - UnBiased
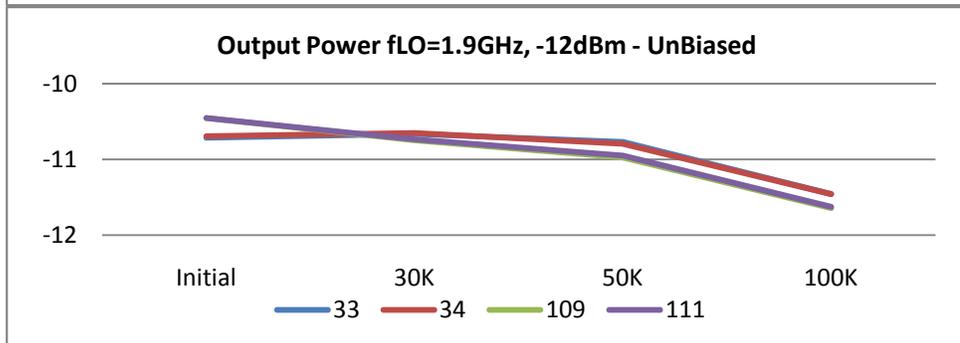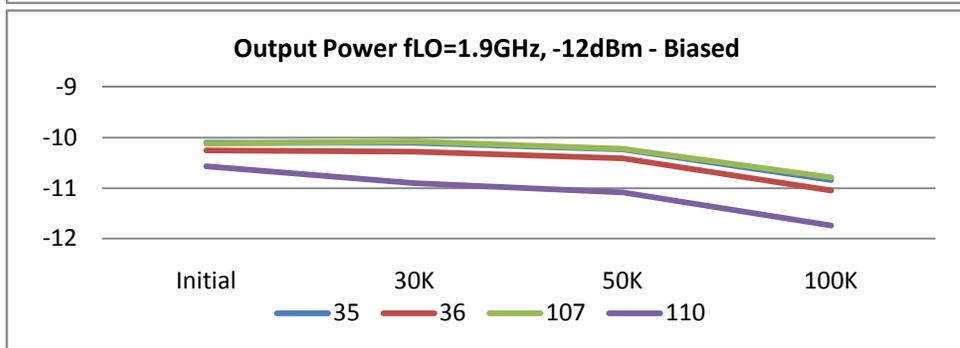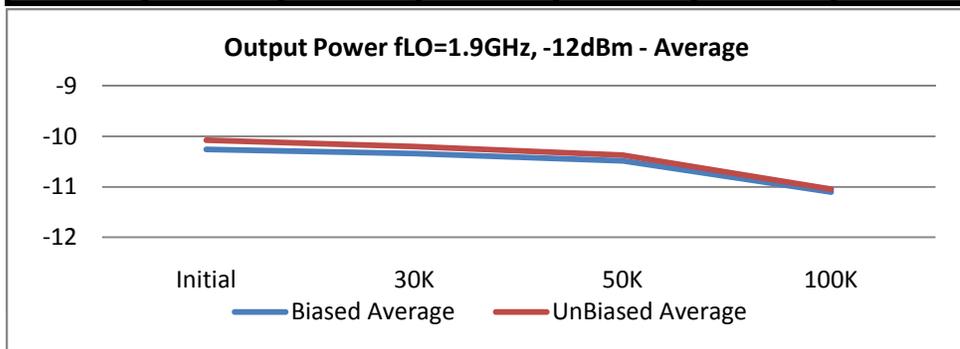
T# 75	P_FDTH_1900M_3V_-12dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-49.96544**	**-48.7589**	**-50.27617**	**-50.91269**	**<-35**
104	**-42.92158**	**-42.6468**	**-42.8088**	**-43.62941**	
Biased 35	-41.63542	-41.4286	-41.73449	-42.34679	
36	-42.77649	-43.5608	-43.17162	-43.84391	
107	-42.73315	-43.543	-43.17362	-43.87035	
110	-43.3588	-44.6293	-44.12541	-44.63936	
Min	-43.3588	-44.6293	-44.1254	-44.6394	
Max	-41.6354	-41.4286	-41.7345	-42.3468	
Average	-42.6260	-43.2904	-43.0513	-43.6751	
UnBiased 33	-40.25846	-40.7057	-40.44144	-41.43391	
34	-42.71482	-44.1443	-42.91417	-43.82423	
109	-41.9059	-42.9571	-42.65289	-43.57619	
111	-42.6936	-42.883	-43.25816	-44.18392	
Min	-42.7148	-44.1443	-43.2582	-44.1839	
Max	-40.2585	-40.7057	-40.4414	-41.4339	
Average	-41.8932	-42.6725	-42.3167	-43.2546	

Carrier Feedthrough fLO=1.9GHz, -12dBm - Average

Carrier Feedthrough fLO=1.9GHz, -12dBm - Biased

Carrier Feedthrough fLO=1.9GHz, -12dBm - UnBiased
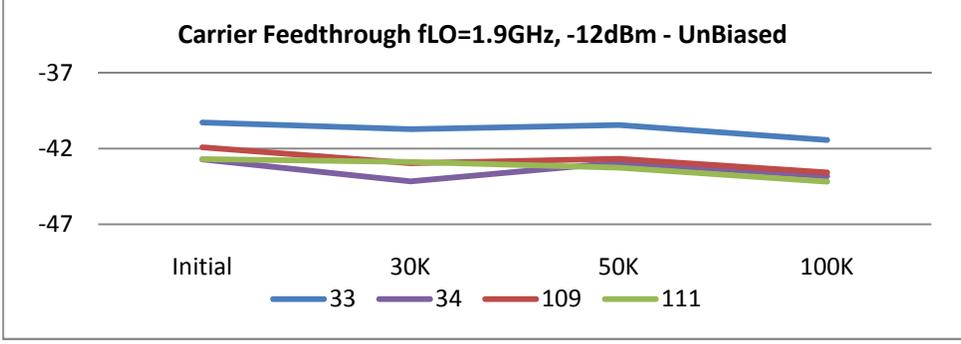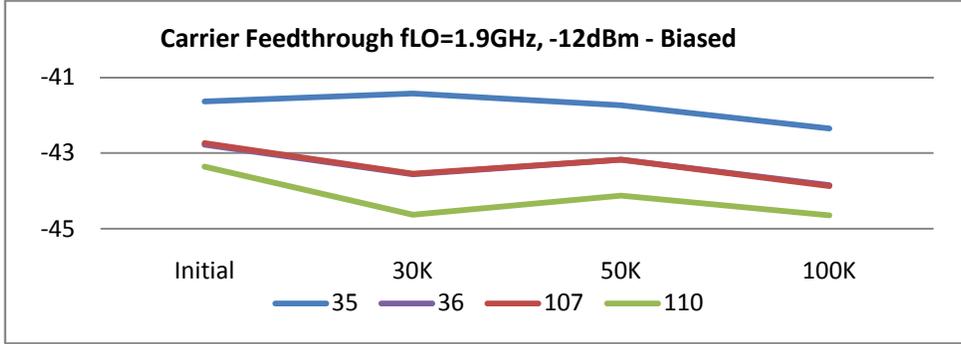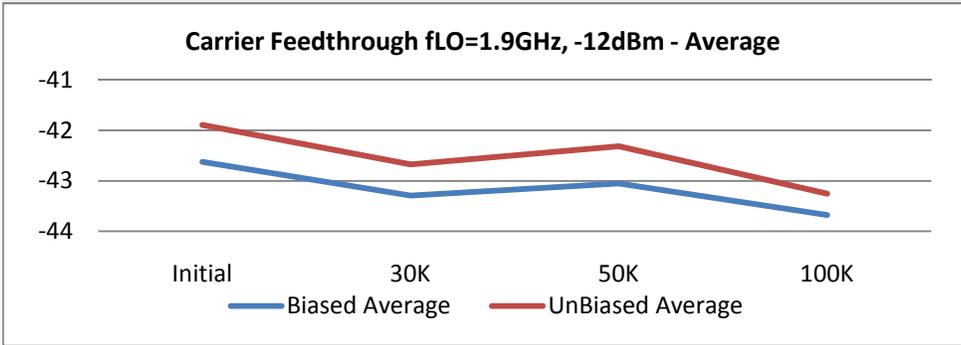
T# 76	P_SUPP_1900M_3V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-36.1025**	**-36.8202**	**-36.58656**	**-36.27148**	**<-25**
104	**-37.2726**	**-36.66**	**-37.83112**	**-37.64061**	
Biased 35	-36.5595	-35.8472	-36.90903	-36.73208	
36	-37.0274	-36.7118	-37.50894	-37.20175	
107	-39.3842	-36.555	-39.89666	-39.45046	
110	-32.5602	-31.9358	-32.71658	-32.53585	
Min	-39.3842	-36.7118	-39.8967	-39.4505	
Max	-32.5602	-31.9358	-32.7166	-32.5359	
Average	-36.3828	-35.2625	-36.7578	-36.4800	
UnBiased 33	-36.8025	-36.4621	-37.31794	-36.9689	
34	-36.7382	-35.3531	-37.00055	-36.88852	
109	-36.1108	-35.5236	-36.35891	-36.02134	
111	-37.3886	-35.3607	-37.85215	-37.4458	
Min	-37.3886	-36.4621	-37.8522	-37.4458	
Max	-36.1108	-35.3531	-36.3589	-36.0213	
Average	-36.7600	-35.6749	-37.1324	-36.8311	

Sideband Suppression fLO=1.9GHz, -12dBm - Average

Sideband Suppression fLO=1.9GHz, -12dBm - Biased

Sideband Suppression fLO=1.9GHz, -12dBm - UnBiased
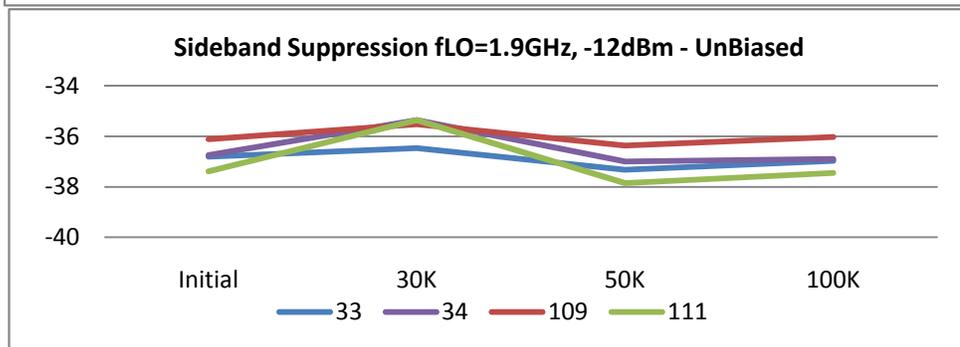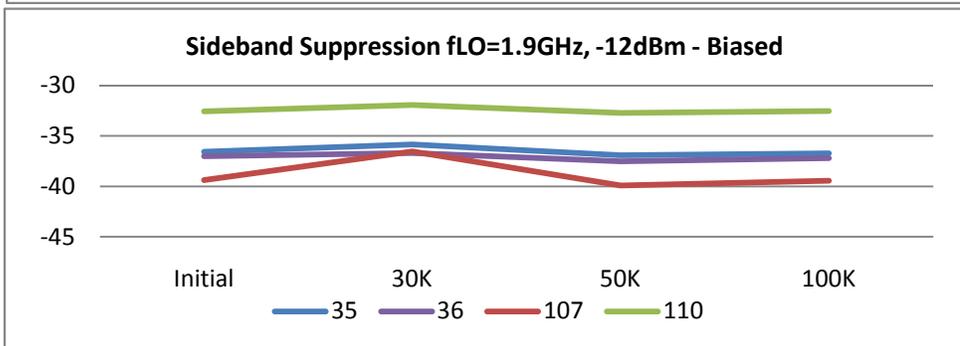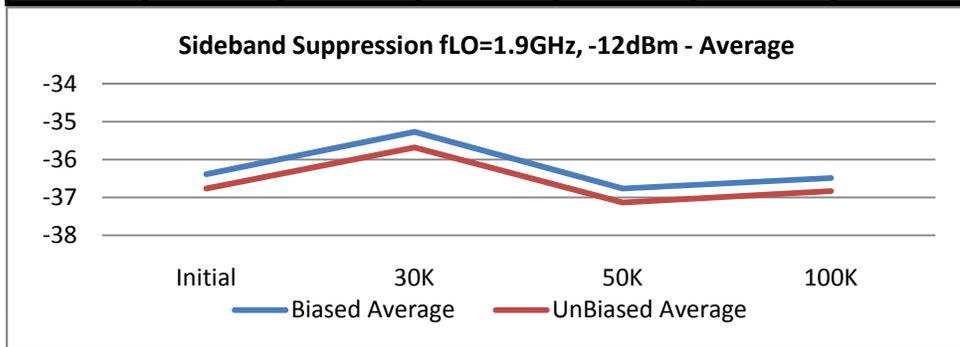
T# 77	P_2ndL_1900M_3V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-53.46243**	**-47.9324**	**-55.34333**	**-54.91014**	**<-42**
104	**-55.0921**	**-48.5307**	**-55.08226**	**-56.58599**	
Biased 35	-53.48907	-48.1887	-54.51643	-54.49817	
36	-56.44873	-49.1538	-57.01215	-56.3087	
107	-56.82841	-50.242	-58.40586	-57.90879	
110	-51.85158	-47.1998	-54.02996	-53.10567	
Min	-56.8284	-50.2418	-58.4059	-57.9088	
Max	-51.8516	-47.1998	-54.0300	-53.1057	
Average	-54.6544	-48.6960	-55.9911	-55.4553	
UnBiased 33	-57.25262	-50.4975	-57.4775	-57.34015	
34	-56.46632	-49.2495	-56.87469	-56.66892	
109	-58.15545	-51.0433	-58.84768	-57.63448	
111	-54.9548	-49.6786	-55.83546	-55.45203	
Min	-58.1555	-51.0433	-58.8477	-57.6345	
Max	-54.9548	-49.2495	-55.8355	-55.4520	
Average	-56.7073	-50.1172	-57.2588	-56.7739	

2nd Lower Harmonic fLO=1.9GHz, -12dBm - Average

2nd Lower Harmonic fLO=1.9GHz, -12dBm - Biased

2nd Lower Harmonic fLO=1.9GHz, -12dBm - UnBiased
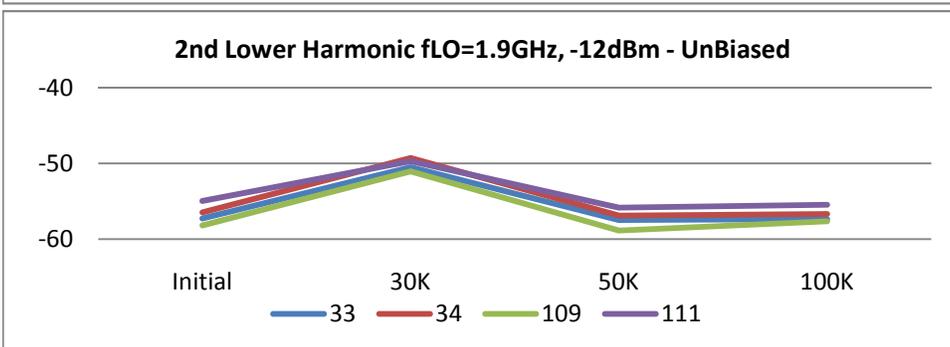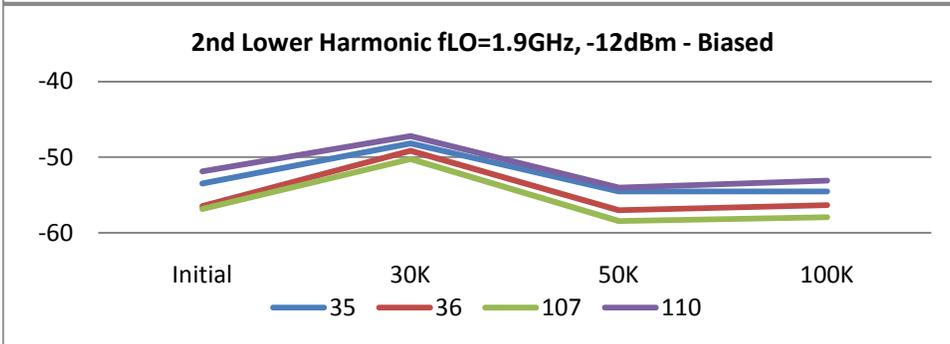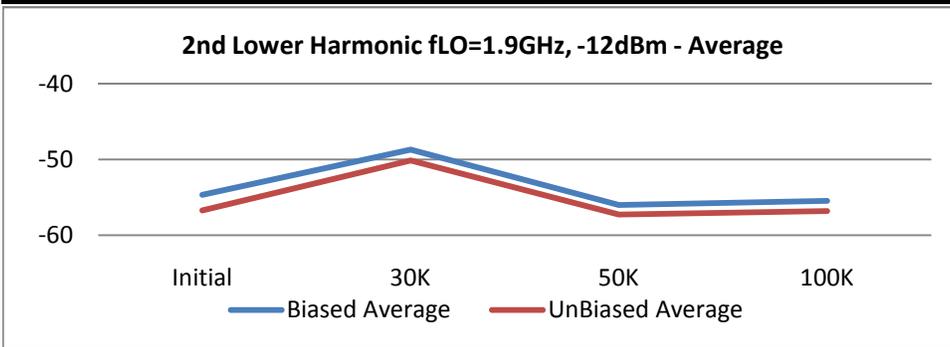
	T# 78	P_2ndU_1900M_3V_-12dBm				dBc
	SN	Initial	30K	50K	100K	Limit
Control	38	**-66.059**	**-58.5672**	**-65.66503**	**-63.11396**	**<-45**
	104	**-62.6051**	**-58.1121**	**-63.1166**	**-63.78475**	
Biased	35	-62.8915	-58.0951	-62.32515	-62.71114	
	36	-67.2237	-56.7795	-64.1328	-65.09957	
	107	-64.0682	-58.044	-63.93323	-65.33043	
	110	-77.3007	-55.7249	-71.20816	-70.13173	
	Min	-77.3007	-58.0951	-71.2082	-70.1317	
	Max	-62.8915	-55.7249	-62.3252	-62.7111	
	Average	-67.8711	-57.1609	-65.3998	-65.8182	
UnBiased	33	-65.7901	-56.4172	-64.95188	-63.24091	
	34	-72.1182	-56.4034	-72.04047	-68.08071	
	109	-65.3019	-58.3229	-64.7962	-63.92432	
	111	-63.8793	-59.4998	-62.94637	-61.29035	
	Min	-72.1182	-59.4998	-72.0405	-68.0807	
	Max	-63.8793	-56.4034	-62.9464	-61.2904	
	Average	-66.7723	-57.6608	-66.1837	-64.1341	

2nd Upper Harmonic fLO=1.9GHz, -12dBm - Average

2nd Upper Harmonic fLO=1.9GHz, -12dBm - Biased

2nd Upper Harmonic fLO=1.9GHz, -12dBm - UnBiased
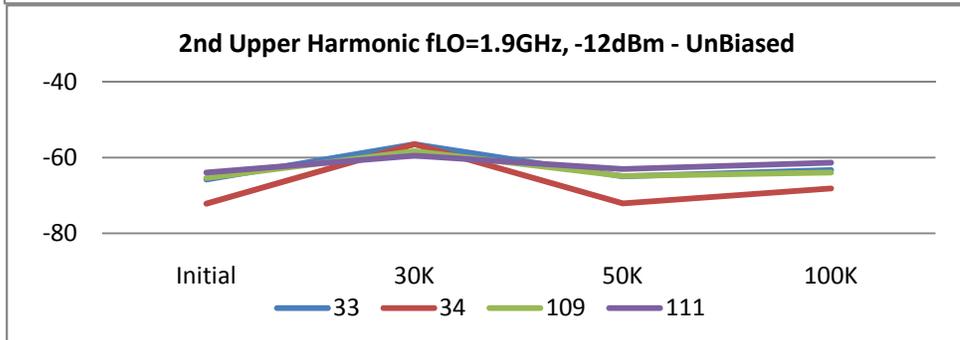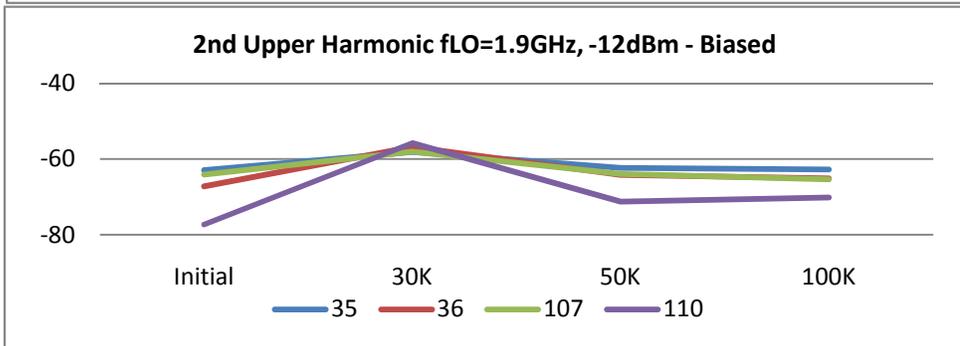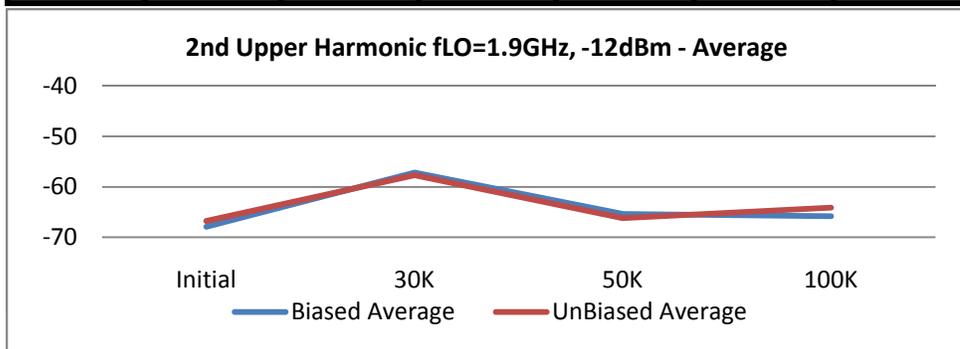
| T# 79		P_3rdU_1900M_3V_-12dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-60.07677**	**-61.4373**	**-62.9935**	**-61.66209**	**<-48**
Control 104	**-62.50973**	**-63.6298**	**-65.16135**	**-64.64915**	
Biased 35	-64.28869	-61.8759	-65.2122	-62.8977	
Biased 36	-63.82389	-63.1003	-65.48383	-68.81477	
Biased 107	-59.41168	-59.458	-61.95466	-59.22814	
Biased 110	-68.90345	-69.137	-70.11586	-71.88488	
Biased Min	-68.9035	-69.1370	-70.1159	-71.8849	
Biased Max	-59.4117	-59.4575	-61.9547	-59.2281	
Biased Average	-64.1069	-63.3927	-65.6916	-65.7064	
UnBiased 33	-61.89326	-61.2234	-63.60892	-64.65137	
UnBiased 34	-60.26911	-61.8224	-61.48421	-62.67575	
UnBiased 109	-58.95846	-58.6439	-62.56251	-62.67489	
UnBiased 111	-67.81766	-68.2983	-69.29522	-68.55825	
UnBiased Min	-67.8177	-68.2983	-69.2952	-68.5583	
UnBiased Max	-58.9585	-58.6439	-61.4842	-62.6749	
UnBiased Average	-62.2346	-62.4970	-64.2377	-64.6401	

2rd Upper Harmonic fLO=1.9GHz, -12dBm - Average
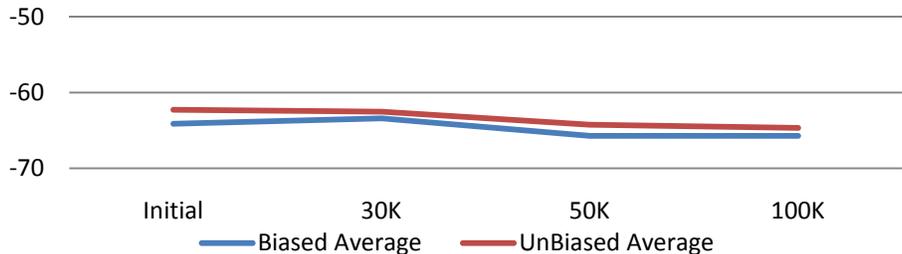
2rd Upper Harmonic fLO=1.9GHz, -12dBm - Biased


2rd Upper Harmonic fLO=1.9GHz, -12dBm - UnBiased

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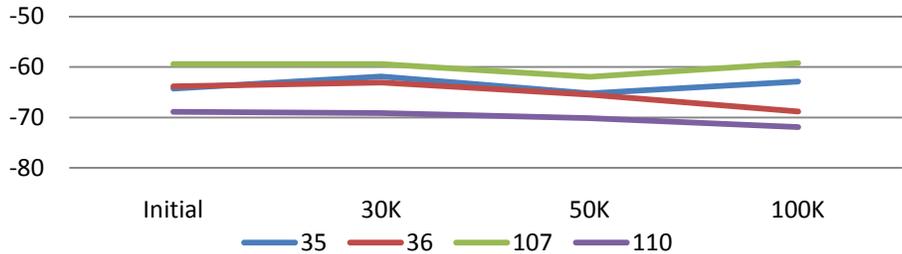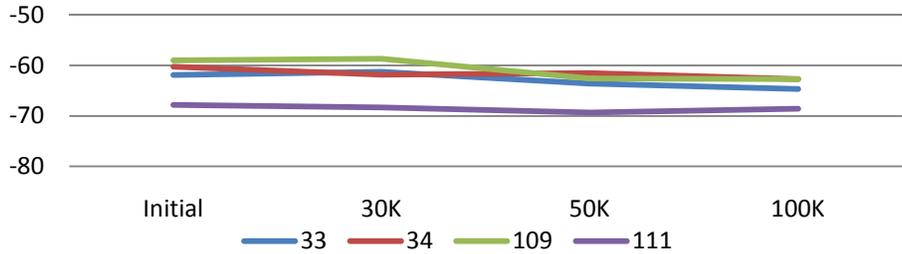
T# 80	P_OUT_2300M_3V_-12dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-11.2985**	**-11.5813**	**-11.43207**	**-12.23584**	**>-18**
104	**-11.7326**	**-11.9649**	**-11.93877**	**-12.69034**	**<-9**
Biased 35	-11.6174	-11.9417	-11.85587	-12.61999	
36	-11.7412	-12.1084	-12.04536	-12.85706	
107	-11.4729	-11.792	-11.71745	-12.49059	
110	-12.4272	-13.3731	-13.26397	-14.10554	
Min	-12.4272	-13.3731	-13.2640	-14.1055	
Max	-11.4729	-11.7916	-11.7175	-12.4906	
Average	-11.8147	-12.3037	-12.2207	-13.0183	
UnBiased 33	-11.7342	-11.9444	-11.83431	-12.7501	
34	-11.6912	-11.9461	-11.86968	-12.74584	
109	-11.339	-12.0374	-12.03865	-12.93724	
111	-11.4553	-12.1876	-12.21207	-13.11137	
Min	-11.7342	-12.1876	-12.2121	-13.1114	
Max	-11.3390	-11.9444	-11.8343	-12.7458	
Average	-11.5549	-12.0289	-11.9887	-12.8861	

Power Output fLO=2.3GHz, -12dBm - Average

Power Output fLO=2.3GHz, -12dBm - Biased

Power Output fLO=2.3GHz, -12dBm - UnBiased
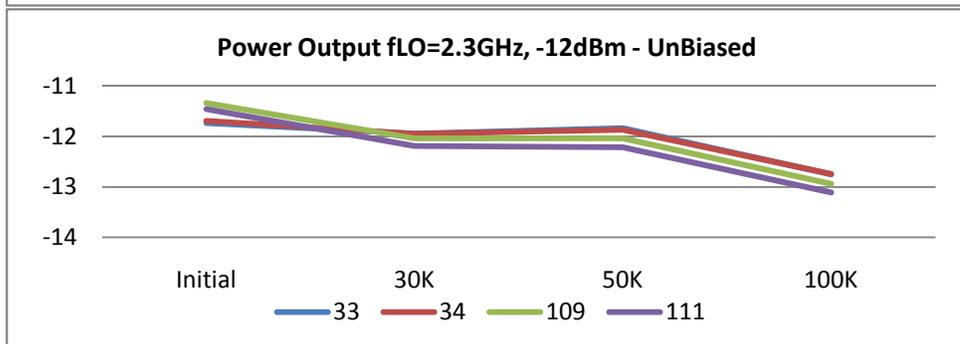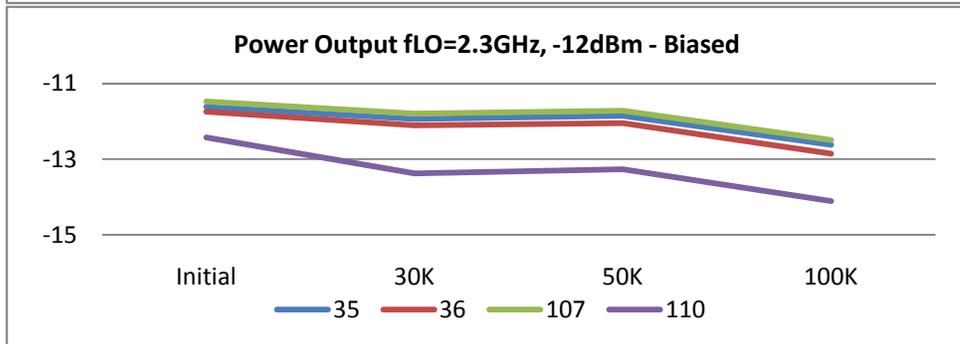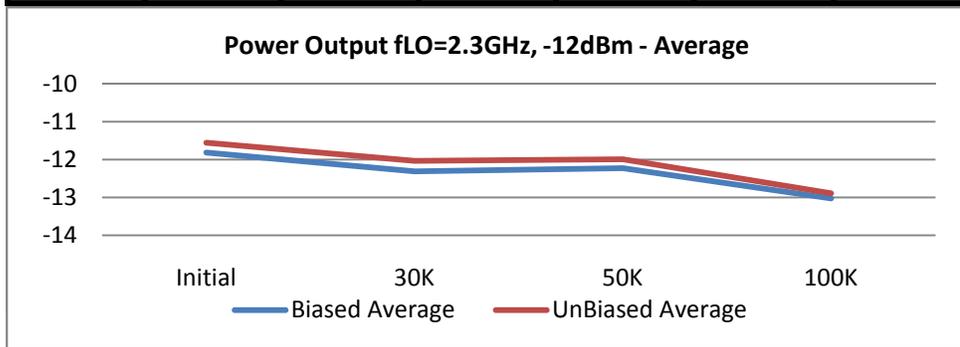
T# 81	P_FDTH_2300M_3V_-12dBm				dBm
SN	Initial	30K	50K	100K	Limit
Control 38	**-47.79746**	**-46.9021**	**-47.88524**	**-48.70981**	**<-35**
104	**-42.48443**	**-42.2356**	**-42.57317**	**-43.4771**	
Biased 35	-41.41253	-41.2313	-41.62635	-42.42463	
36	-42.25853	-42.5566	-42.36759	-43.2781	
107	-42.04316	-42.428	-42.19663	-43.19454	
110	-43.44387	-44.3351	-43.7367	-44.71616	
Min	-43.4439	-44.3351	-43.7367	-44.7162	
Max	-41.4125	-41.2313	-41.6264	-42.4246	
Average	-42.2895	-42.6376	-42.4818	-43.4034	
UnBiased 33	-40.13447	-40.3234	-40.17432	-41.45018	
34	-42.51332	-43.4138	-42.38383	-43.60434	
109	-41.57666	-42.2306	-42.1073	-43.23093	
111	-42.0866	-42.2164	-42.67439	-43.81892	
Min	-42.5133	-43.4138	-42.6744	-43.8189	
Max	-40.1345	-40.3234	-40.1743	-41.4502	
Average	-41.5778	-42.0461	-41.8350	-43.0261	

Carrier Feedthrough fLO=2.3GHz, -12dBm - Average

Carrier Feedthrough fLO=2.3GHz, -12dBm - Biased

Carrier Feedthrough fLO=2.3GHz, -12dBm - UnBiased
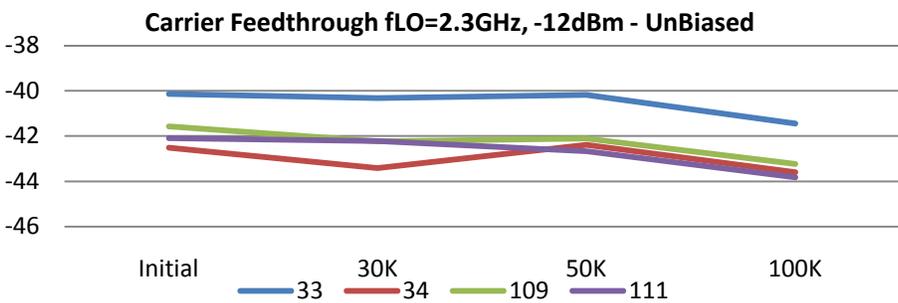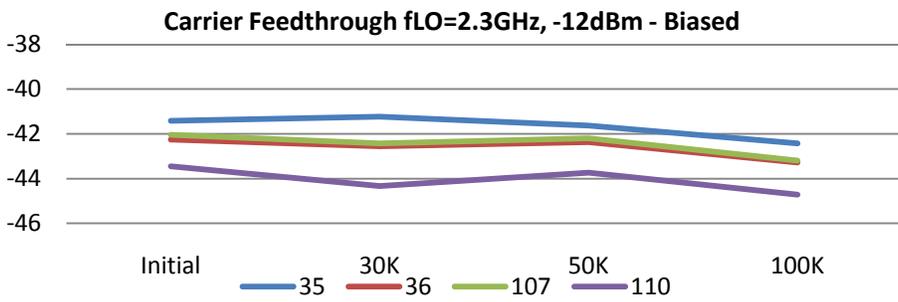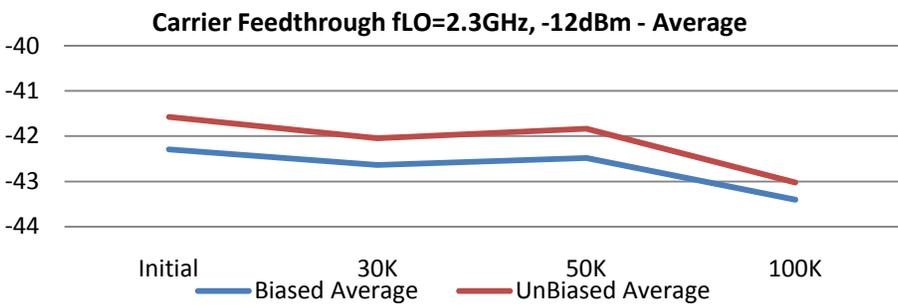
T# 82		P_SUPP_2300M_3V_-12dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-37.5014**	**-38.6214**	**-37.47608**	**-36.92538**	**<-25**
104	**-38.5812**	**-38.9587**	**-38.5103**	**-38.0835**	
Biased 35	-38.4646	-37.9117	-38.81376	-38.3176	
36	-39.1769	-38.5606	-39.35332	-39.07418	
107	-41.4391	-39.166	-41.51448	-40.52699	
110	-32.603	-33.1609	-32.01399	-32.00178	
Min	-41.4391	-39.1664	-41.5145	-40.5270	
Max	-32.6030	-33.1609	-32.0140	-32.0018	
Average	-37.9209	-37.1999	-37.9239	-37.4801	
UnBiased 33	-38.9955	-39.2486	-39.37616	-38.8953	
34	-39.3408	-37.5984	-39.60439	-39.43069	
109	-37.0171	-37.3744	-37.08775	-36.67501	
111	-38.6041	-36.8146	-39.04629	-38.44669	
Min	-39.3408	-39.2486	-39.6044	-39.4307	
Max	-37.0171	-36.8146	-37.0878	-36.6750	
Average	-38.4894	-37.7590	-38.7786	-38.3619	

Sideband Suppression fLO=2.3GHz, -12dBm - Average

Sideband Suppression fLO=2.3GHz, -12dBm - Biased

Sideband Suppression fLO=2.3GHz, -12dBm - UnBiased
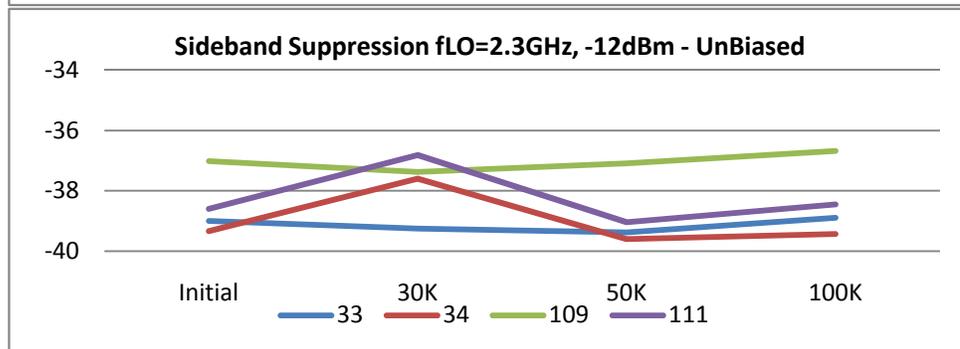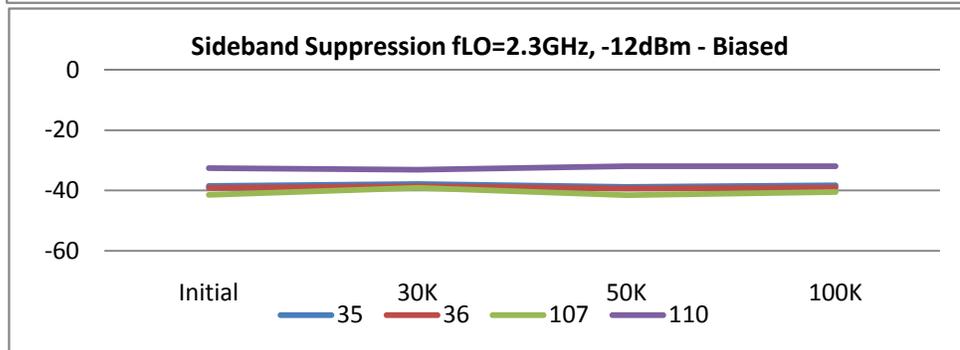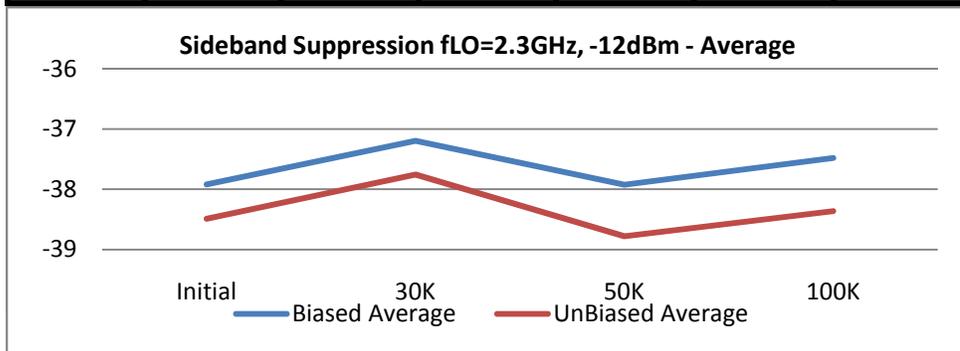
| T# 83	P_2ndL_2300M_3V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control **38**	**-66.38334**	**-48.3202**	**-80.30621**	**-76.12993**	**<-43**
104	**-68.11627**	**-50.4697**	**-75.3372**	**-66.08865**	
Biased **35**	-69.86169	-48.8072	-67.23153	-64.86028	
36	-70.29676	-49.7827	-65.58675	-61.70271	
107	-64.54649	-51.042	-64.6056	-60.70218	
110	-57.81048	-46.1888	-58.45702	-63.30892	
Min	-70.2968	-51.0417	-67.2315	-64.8603	
Max	-57.8105	-46.1888	-58.4570	-60.7022	
Average	-65.6289	-48.9551	-63.9702	-62.6435	
UnBiased **33**	-62.63519	-51.0984	-64.64829	-61.21652	
34	-65.89646	-49.267	-64.34998	-63.71914	
109	-62.94509	-54.0713	-63.64785	-60.7887	
111	-66.81905	-52.2123	-69.09743	-62.22821	
Min	-66.8191	-54.0713	-69.0974	-63.7191	
Max	-62.6352	-49.2670	-63.6479	-60.7887	
Average	-64.5739	-51.6623	-65.4359	-61.9881	

2nd Lower Harmonic fLO=2.3GHz, -12dBm - Average
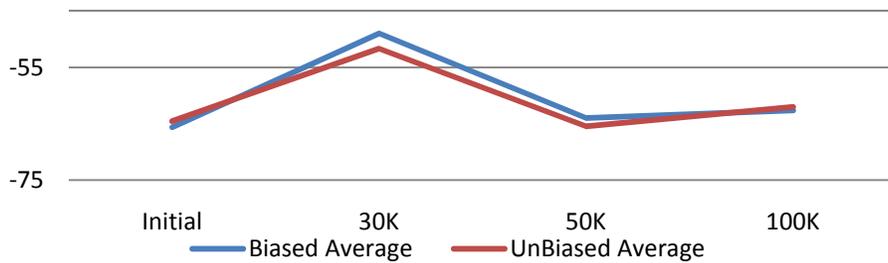
2nd Lower Harmonic fLO=2.3GHz, -12dBm - Biased
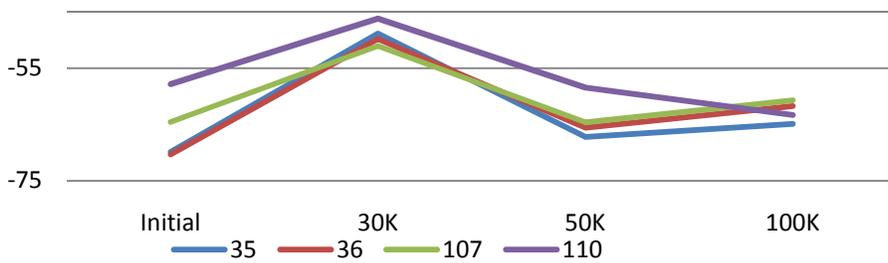
2nd Lower Harmonic fLO=2.3GHz, -12dBm - UnBiased
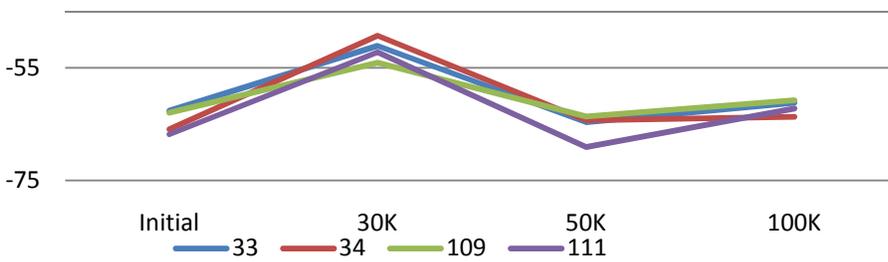
T# 84		P_2ndU_2300M_3V_-12dBm			dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-64.906**	**-53.5234**	**-61.75701**	**-63.11068**	**<-45**
104	**-62.2849**	**-53.5859**	**-67.37254**	**-67.72526**	
Biased 35	-66.5315	-52.0623	-68.21532	-63.21294	
36	-62.8906	-52.0127	-63.86262	-63.1831	
107	-59.6702	-54.060	-61.98885	-61.4968	
110	-66.3883	-51.315	-73.43426	-66.7234	
Min	-66.5315	-54.0597	-73.4343	-66.7234	
Max	-59.6702	-51.3150	-61.9889	-61.4968	
Average	-63.8701	-52.3624	-66.8753	-63.6541	
UnBiased 33	-63.6103	-52.6065	-60.80399	-59.92047	
34	-60.307	-51.624	-65.53493	-65.3263	
109	-60.4414	-54.287	-61.23338	-59.19955	
111	-60.8603	-53.519	-62.75048	-60.90855	
Min	-63.6103	-54.2870	-65.5349	-65.3263	
Max	-60.3070	-51.6240	-60.8040	-59.1996	
Average	-61.3047	-53.0091	-62.5807	-61.3387	

2nd Upper Harmonic fLO=2.3GHz, -12dBm -Average
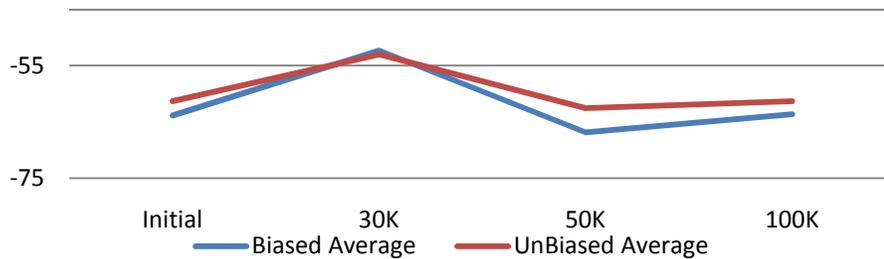
2nd Upper Harmonic fLO=2.3GHz, -12dBm - Biased
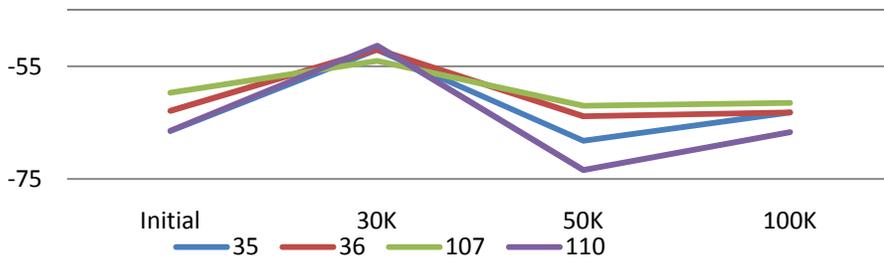
2nd Upper Harmonic fLO=2.3GHz, -12dBm - UnBiased
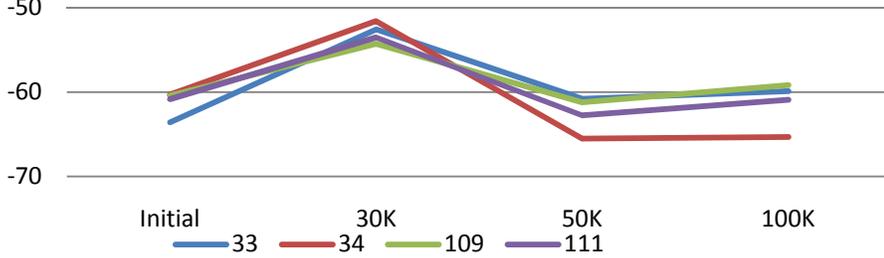
T# 85	P_3rdU_2300M_3V_-12dBm				dBc
SN	Initial	30K	50K	100K	Limit
Control 38	**-61.75942**	**-62.5094**	**-64.654**	**-63.75008**	**<-47**
104	**-60.60175**	**-60.324**	**-61.53443**	**-60.4704**	
Biased 35	-60.85853	-59.4465	-62.89736	-61.34	
36	-66.26613	-61.5051	-62.88364	-63.73667	
107	-62.61241	-62.361	-64.96949	-66.96463	
110	-58.29927	-59.3953	-62.44566	-58.70311	
Min	-66.2661	-62.3611	-64.9695	-66.9646	
Max	-58.2993	-59.3953	-62.4457	-58.7031	
Average	-62.0091	-60.6770	-63.2990	-62.6861	
UnBiased 33	-65.41004	-64.7454	-65.03998	-63.74586	
34	-61.46326	-64.667	-62.98524	-60.41312	
109	-64.96625	-63.4932	-69.32613	-62.83046	
111	-60.27517	-61.4409	-61.24567	-61.01248	
Min	-65.4100	-64.7454	-69.3261	-63.7459	
Max	-60.2752	-61.4409	-61.2457	-60.4131	
Average	-63.0287	-63.5866	-64.6493	-62.0005	