

RADIATION TEST REPORT

PRODUCT:	ADF4108L803F
GAMMA/TM:	12.3k, 30.6k, 50.7k, 76.7k, 96.5k/TM1019 Condition D
GAMMA SOURCE:	Co60
DOSE RATE:	9.3 mRad(si)/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	5/13/2013 – 9/16/2013

The RADTESTSM 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, Inc. does not recommend use of this data to qualify other product grades or process levels. Analog Devices, Inc. is not responsible and has no liability for any consequences, and all applicable Warranties are null and void if any Analog product is modified in any way or used outside of normal environmental and operating conditions, including the parameters specified in the corresponding data sheet. Analog Devices, Inc. does not guarantee that wafer manufacturing is the same for all process levels.



Note:

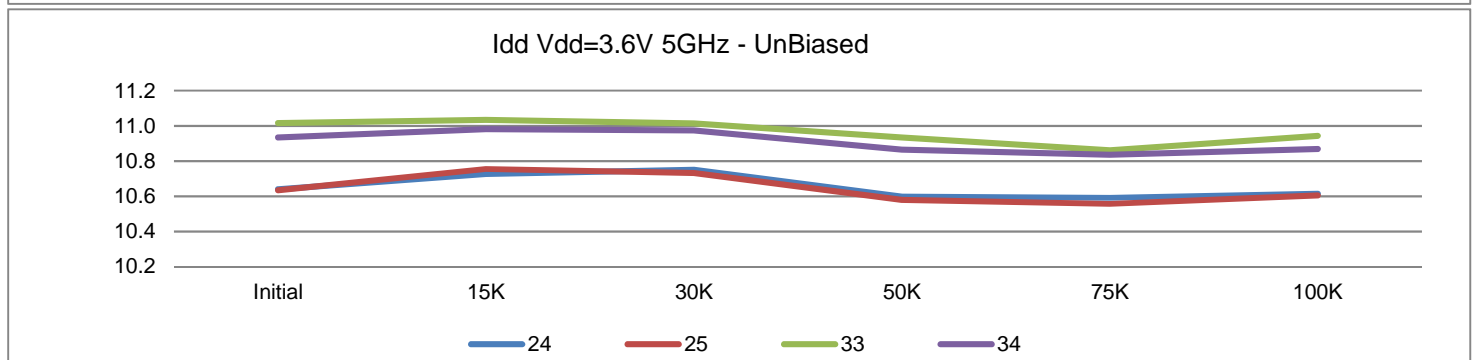
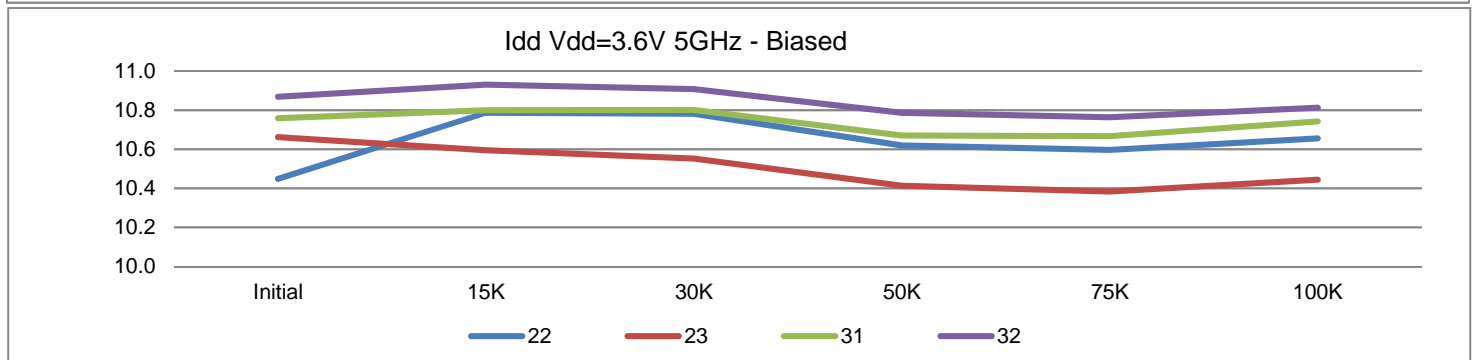
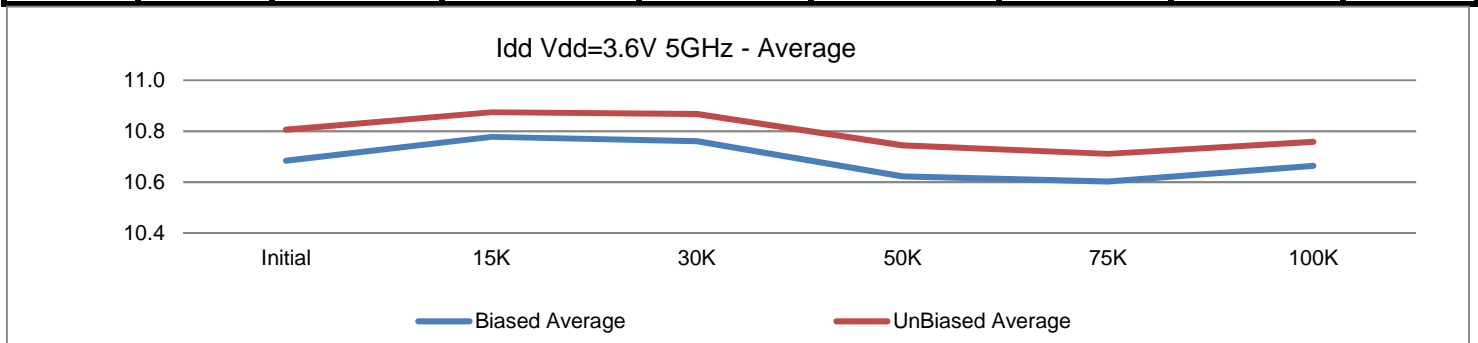
REFin Input Frequency Max (250MHz) test: The Maximum REFin frequency, 250MHz, is divided down by 1250 to 200kHz and the output of the 14 bit R counter is measured at the Muxout.

REFin Input Frequency Min (20MHz) test: The Minimum REFin frequency, 20MHz, is divided down by 100 to 200kHz, and the output of the 14 bit R counter is measured at Muxout.

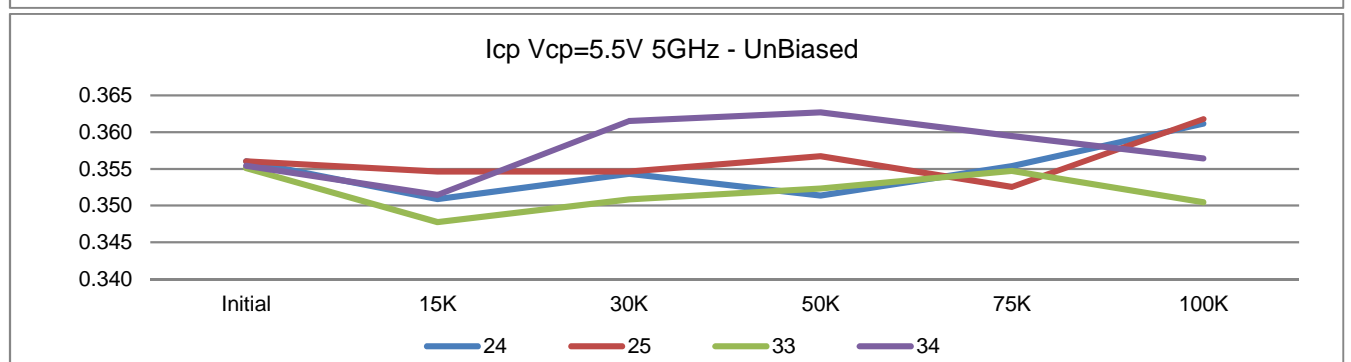
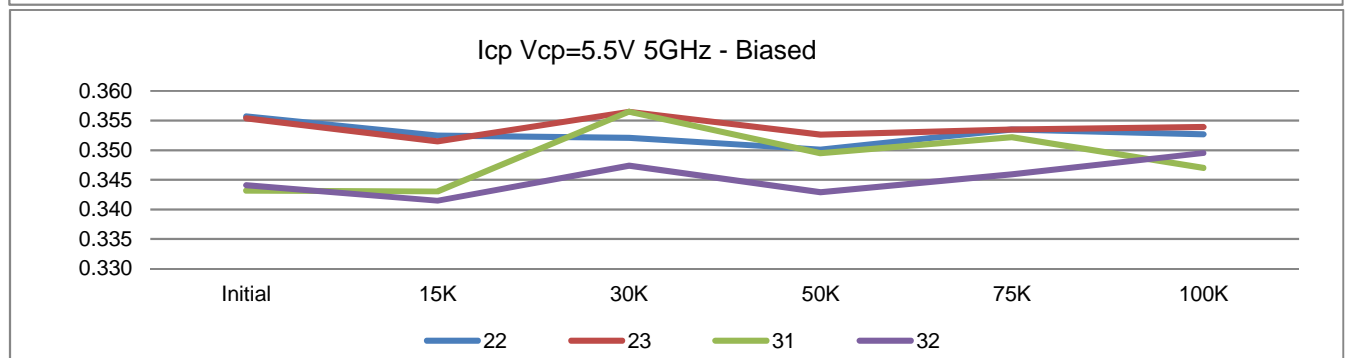
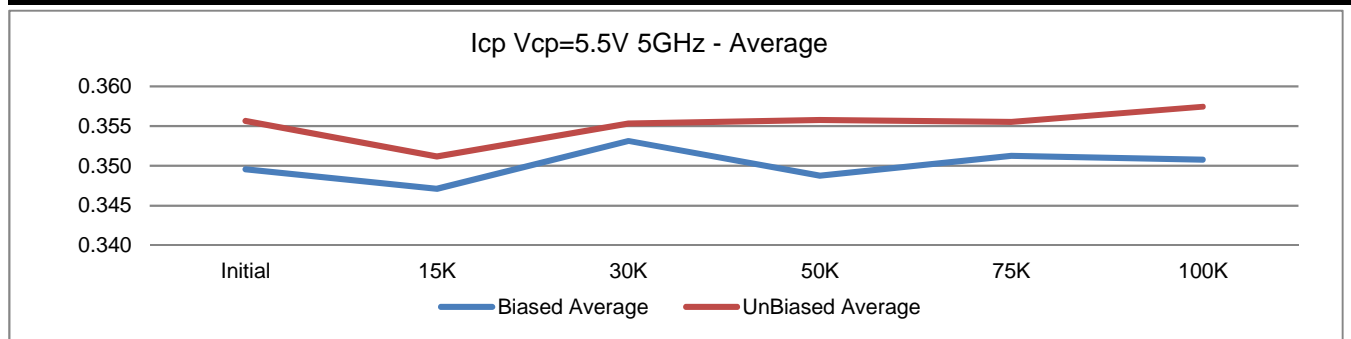
REFin Input Frequency 1GHz, and 5GHz tests: The 1GHz and 5GHz REFin Input Frequencies are divided down by 5000 and 25000 respectively to 200kHz, and the output of the 13 bit B counter is measured at the Muxout.

Max Output Frequency Prescalar tests: The 2.45GHz REFin signal is divided down to ~306MHz by the prescalar set to P=8. The 13 bit counter is set top 1350 to divide 306MHz down to 200kHz which is measured at the Muxout.

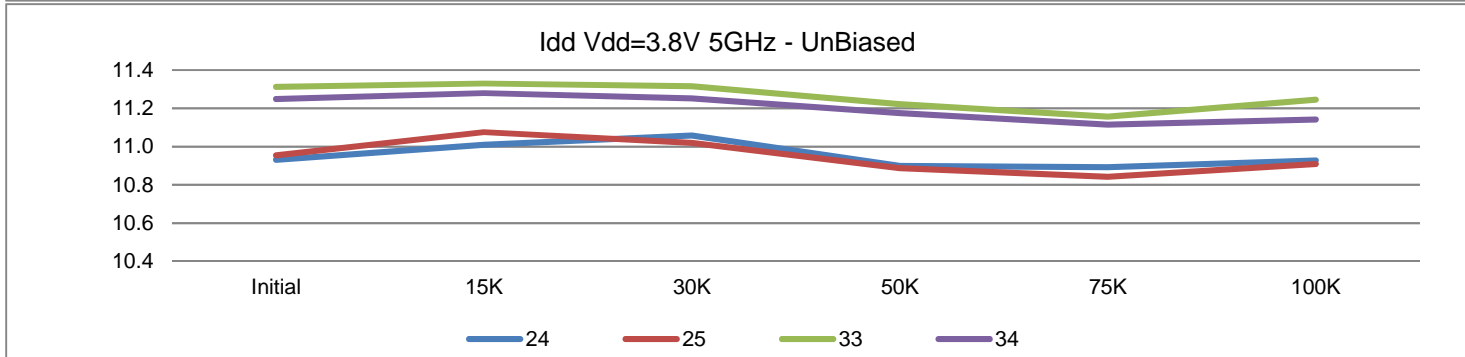
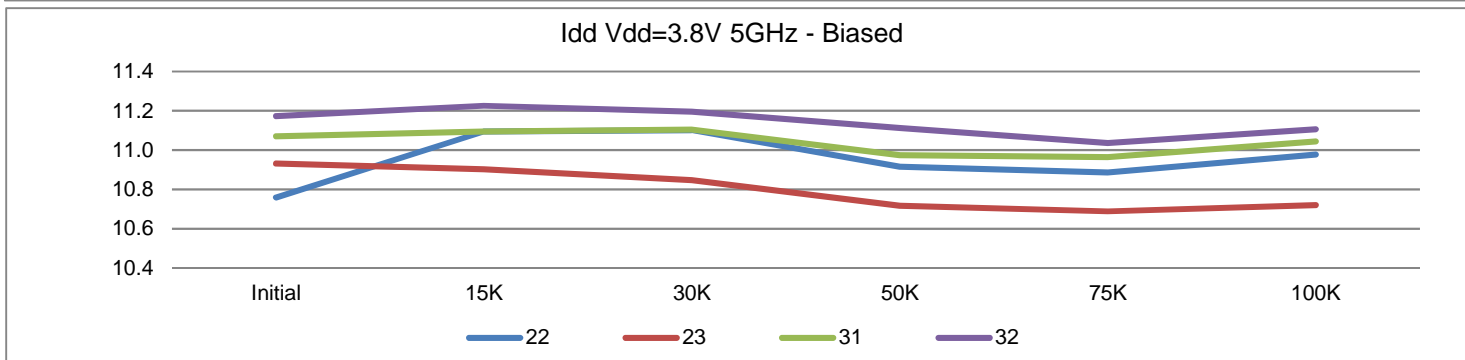
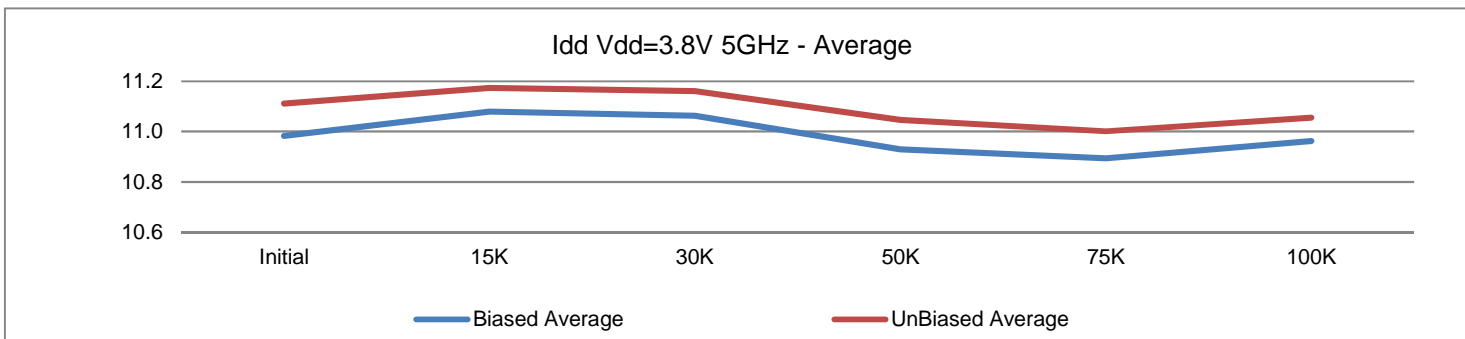
	T# 1	Idd Vdd=3.6V 5GHz						mA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	10.69324	10.73004	10.76303	10.70474	10.7669	10.75236	<17
	48	10.84703	10.84303	10.84463	10.94953	10.792	10.77119	
Biased	22	10.44844	10.78656	10.78186	10.62001	10.59742	10.65507	
	23	10.66186	10.59512	10.55276	10.41288	10.38402	10.4448	
	31	10.75915	10.79912	10.801	10.67022	10.66647	10.74294	
	32	10.869	10.93093	10.9074	10.78634	10.76376	10.81199	
	Min	10.4484	10.5951	10.5528	10.4129	10.3840	10.4448	
	Max	10.8690	10.9309	10.9074	10.7863	10.7638	10.8120	
	Average	10.6846	10.7779	10.7607	10.6224	10.6029	10.6637	
UnBiased	24	10.63989	10.72693	10.75048	10.59804	10.59115	10.61427	
	25	10.63361	10.75518	10.73165	10.57921	10.55663	10.60485	
	33	11.0165	11.0345	11.01411	10.93384	10.86105	10.9438	
	34	10.9349	10.98115	10.97331	10.86479	10.83594	10.86848	
	Min	10.6336	10.7269	10.7317	10.5792	10.5566	10.6049	
	Max	11.0165	11.0345	11.0141	10.9338	10.8611	10.9438	
	Average	10.8062	10.8744	10.8674	10.7440	10.7112	10.7579	



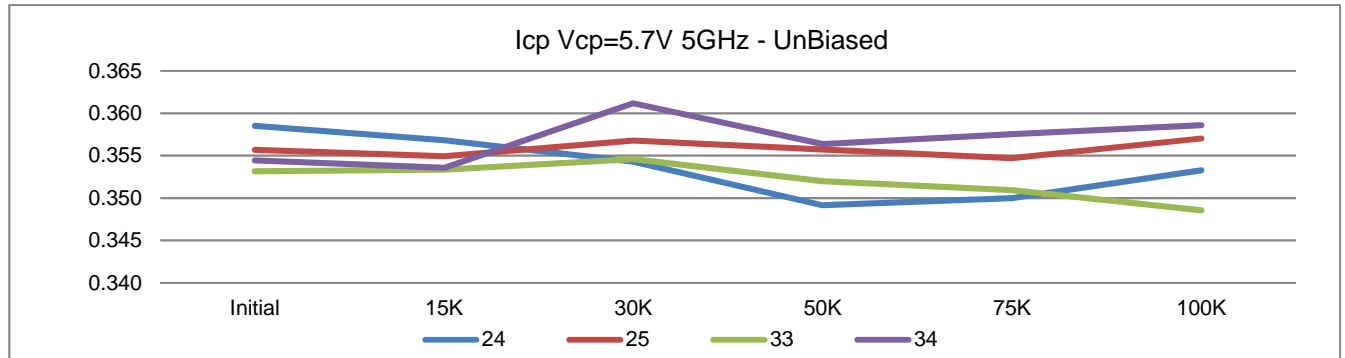
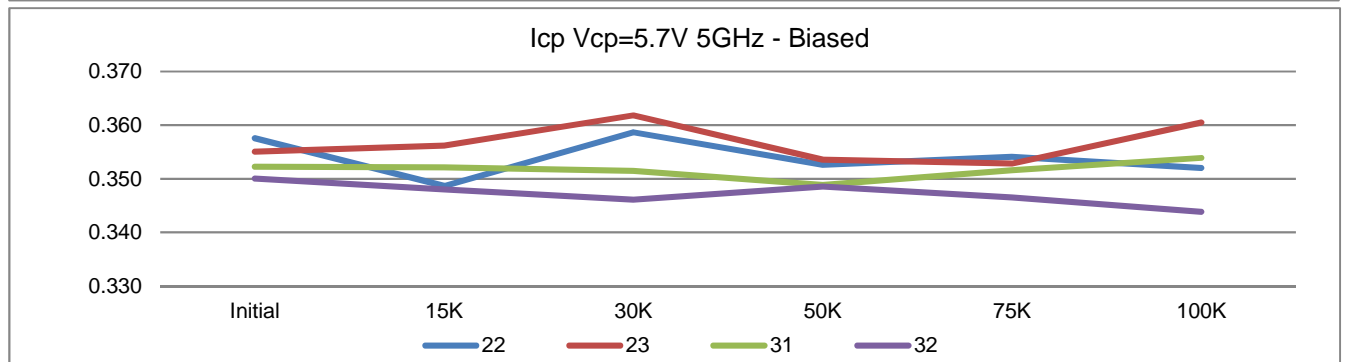
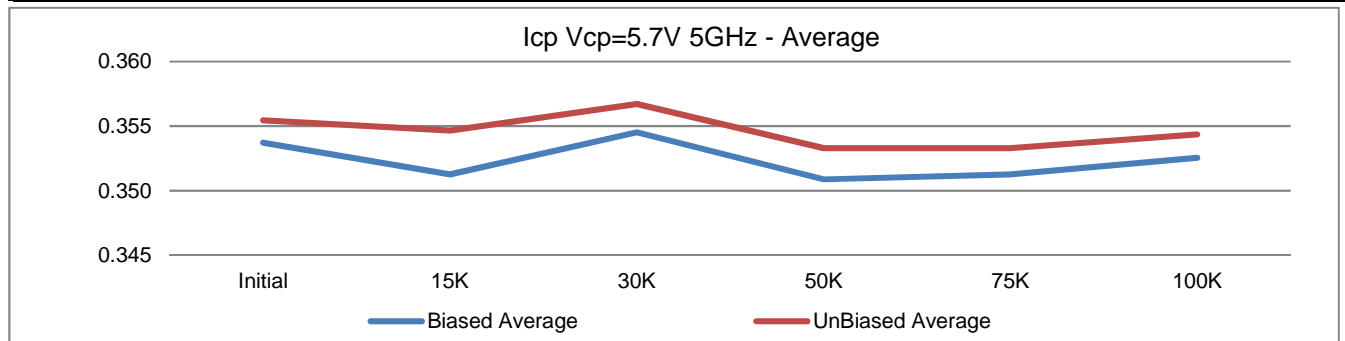
	T# 2	Icp Vcp=5.5V 5GHz						mA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.3472	0.3472	0.3480	0.3489	0.3472	0.3492	<0.4
	48	0.3429	0.3337	0.3603	0.3476	0.3337	0.3483	
Biased	22	0.3557	0.3525	0.3521	0.3501	0.3535	0.3527	
	23	0.3554	0.3515	0.3565	0.3526	0.3535	0.3539	
	31	0.3432	0.3430	0.3565	0.3495	0.3522	0.3470	
	32	0.3441	0.3415	0.3474	0.3429	0.3460	0.3495	
	Min	0.3432	0.3415	0.3474	0.3429	0.3460	0.3470	
	Max	0.3557	0.3525	0.3565	0.3526	0.3535	0.3539	
	Average	0.3496	0.3471	0.3531	0.3488	0.3513	0.3508	
UnBiased	24	0.3560	0.3509	0.3543	0.3514	0.3554	0.3611	
	25	0.3560	0.3547	0.3546	0.3567	0.3525	0.3618	
	33	0.3551	0.3478	0.3509	0.3523	0.3547	0.3505	
	34	0.3554	0.3515	0.3615	0.3627	0.3595	0.3564	
	Min	0.3551	0.3478	0.3509	0.3514	0.3525	0.3505	
	Max	0.3560	0.3547	0.3615	0.3627	0.3595	0.3618	
	Average	0.3556	0.3512	0.3553	0.3558	0.3555	0.3575	



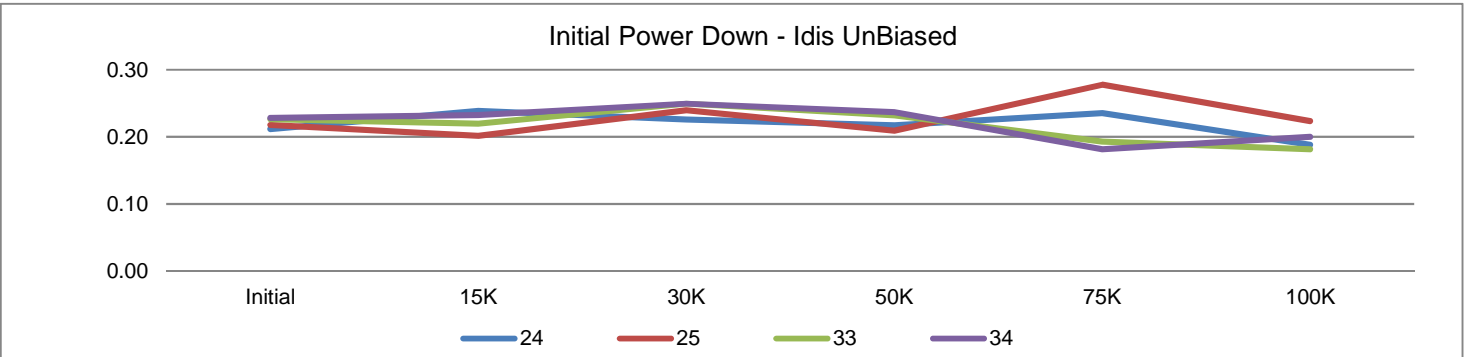
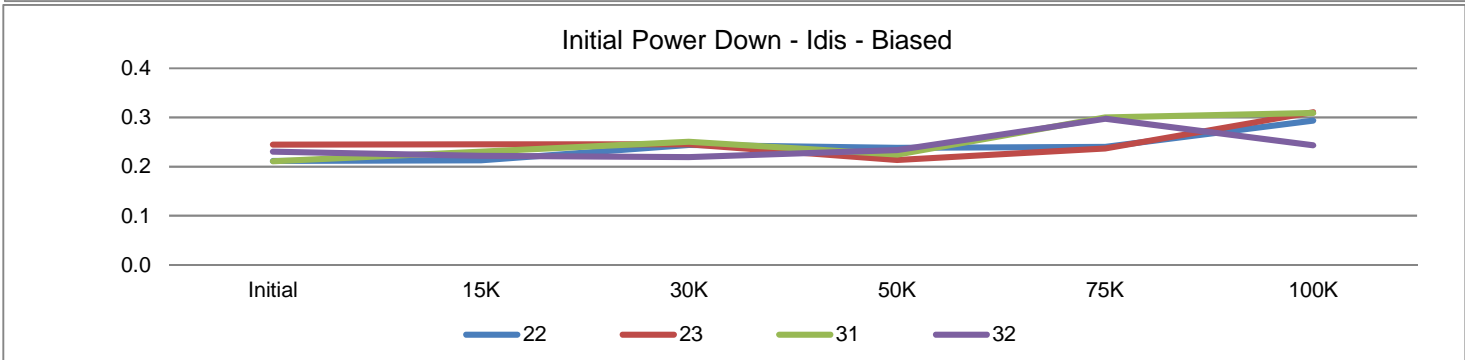
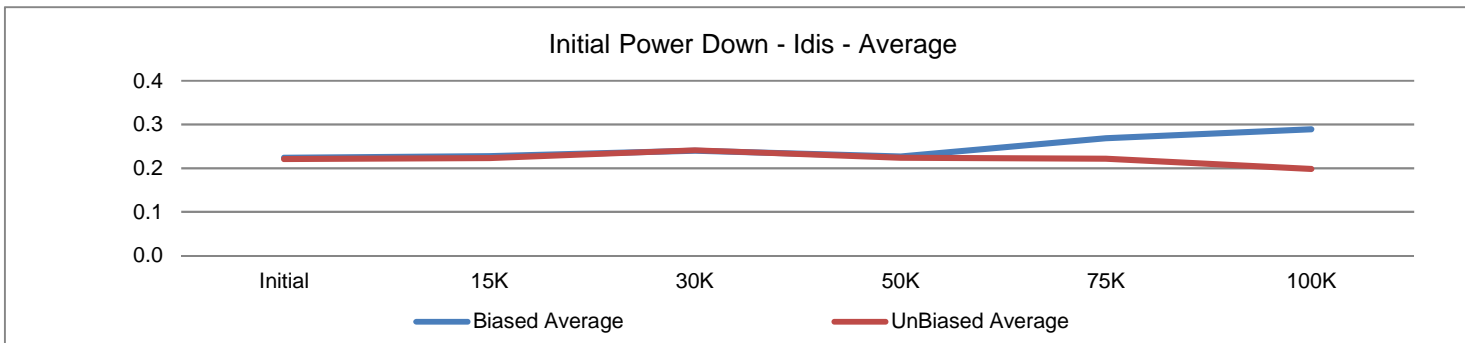
T# 3	Idd Vdd=3.8V 5GHz						mA	
SN	Initial	15K	30K	50K	75K	100K	Limit	
Control	2	11.02572	11.03742	11.06099	11.03093	11.06485	11.0817	<17
	48	11.11988	11.13471	11.13946	11.27258	11.09937	11.05973	
Biased	22	10.75895	11.09394	11.10179	10.91481	10.88596	10.97813	
	23	10.93157	10.9025	10.84758	10.7171	10.68824	10.72078	
	31	11.06966	11.09394	11.105	10.97444	10.96442	11.04404	
	32	11.17323	11.22575	11.19595	11.11253	11.0366	11.1068	
	Min	10.7590	10.9025	10.8476	10.7171	10.6882	10.7208	
	Max	11.1732	11.2258	11.1960	11.1125	11.0366	11.1068	
	Average	10.9834	11.0790	11.0626	10.9297	10.8938	10.9624	
UnBiased	24	10.93157	11.0092	11.05786	10.89912	10.89224	10.92792	
	25	10.95354	11.07511	11.02019	10.88657	10.84202	10.90909	
	33	11.31132	11.32932	11.31521	11.22237	11.15586	11.24489	
	34	11.24855	11.27911	11.25244	11.17529	11.11506	11.14133	
	Min	10.9316	11.0092	11.0202	10.8866	10.8420	10.9091	
	Max	11.3113	11.3293	11.3152	11.2224	11.1559	11.2449	
	Average	11.1112	11.1732	11.1614	11.0458	11.0013	11.0558	



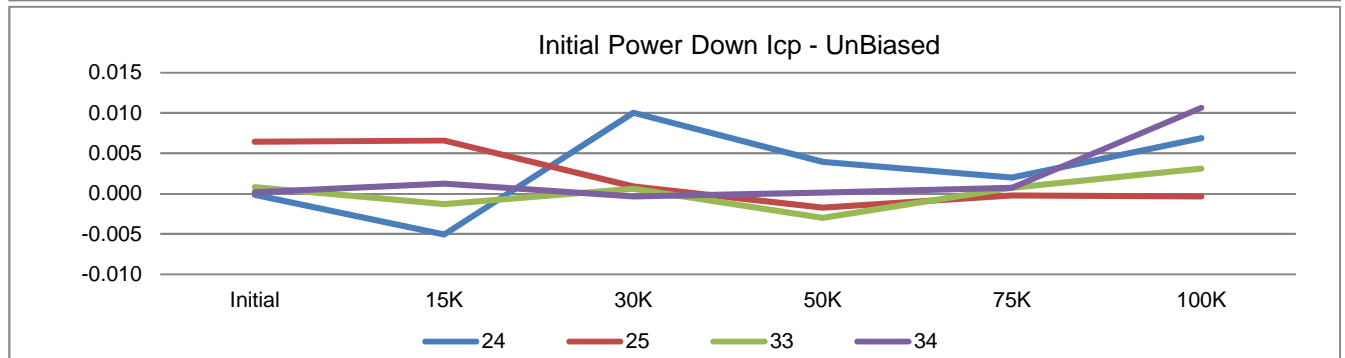
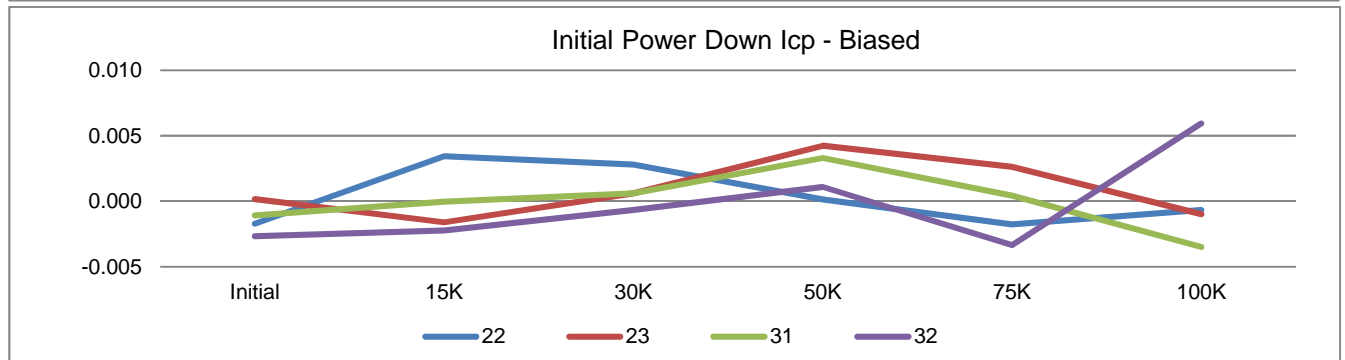
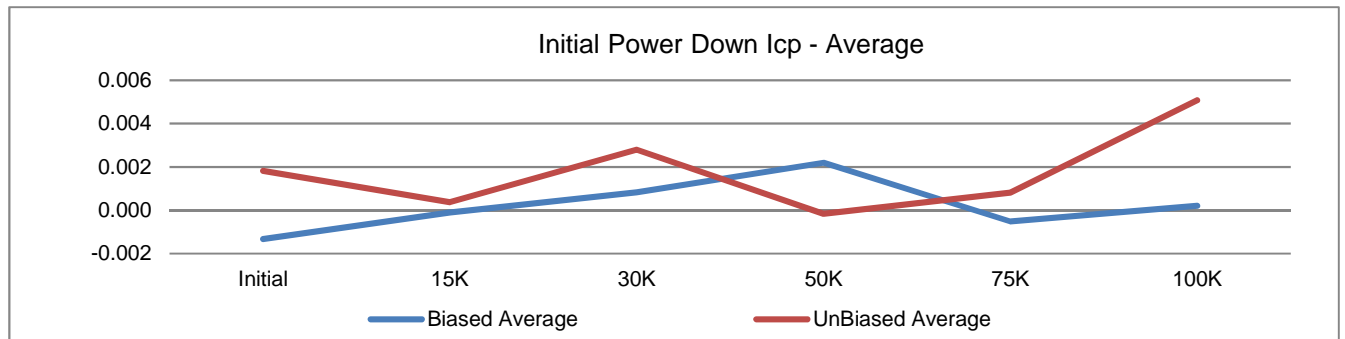
T# 4		Icp Vcp=5.7V 5GHz						mA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.35411	0.35064	0.35021	0.34978	0.34812	0.35076	<0.4
	48	0.34093	0.33746	0.36057	0.35417	0.34059	0.33977	
Biased	22	0.35756	0.34867	0.35868	0.3526	0.35409	0.35201	
	23	0.35505	0.3562	0.36182	0.35355	0.35283	0.36048	
	31	0.35223	0.35212	0.351	0.34884	0.35158	0.35389	
	32	0.35003	0.34804	0.34613	0.34853	0.34655	0.34385	
	Min	0.3500	0.3480	0.3461	0.3485	0.3466	0.3439	
	Max	0.3576	0.3562	0.3618	0.3536	0.3541	0.3605	
	Average	0.3537	0.3513	0.3545	0.3509	0.3513	0.3526	
UnBiased	24	0.35851	0.35682	0.35429	0.34915	0.35001	0.35327	
	25	0.35568	0.35494	0.3568	0.35574	0.35471	0.35703	
	33	0.35317	0.35337	0.3546	0.35198	0.35095	0.34856	
	34	0.35443	0.35357	0.36119	0.35637	0.35754	0.3586	
	Min	0.3532	0.3534	0.3543	0.3492	0.3500	0.3486	
	Max	0.3585	0.3568	0.3612	0.3564	0.3575	0.3586	
	Average	0.3554	0.3547	0.3567	0.3533	0.3533	0.3544	



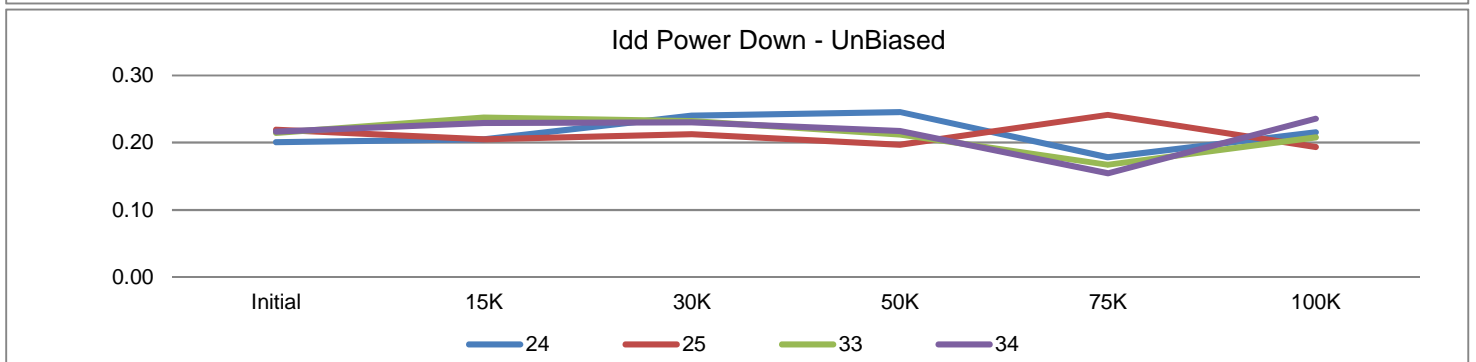
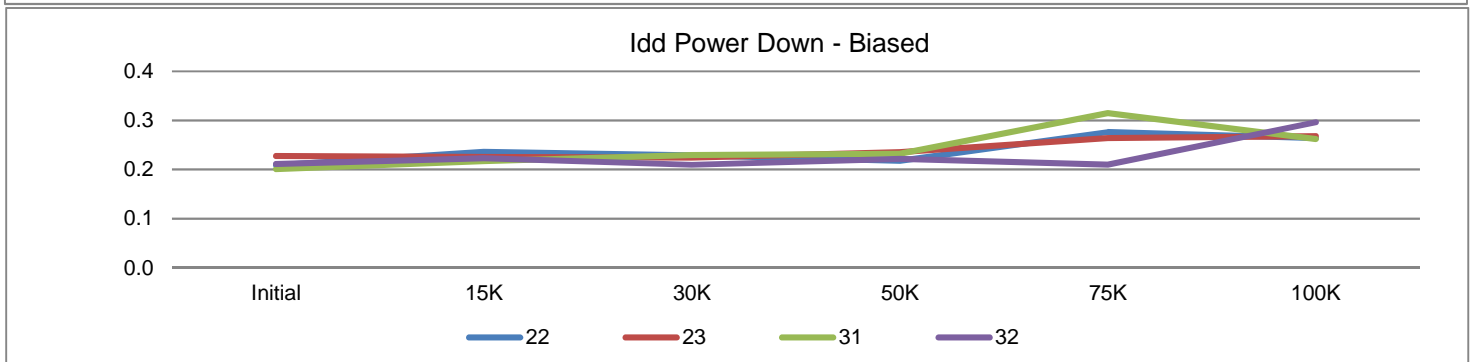
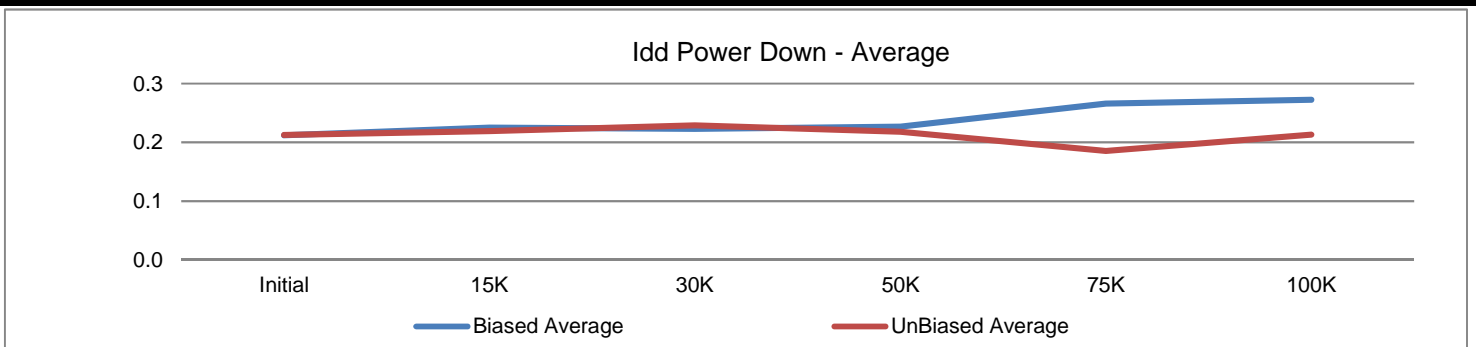
	T# 5	Initial Power Down - Idis						uA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.22253	0.2213	0.23626	0.22857	0.21862	0.23506	<15
	48	0.20775	0.46497	0.213	0.2597	0.2661	0.25581	
Biased	22	0.21121	0.21273	0.24412	0.238	0.24032	0.29354	
	23	0.24453	0.24512	0.24538	0.21317	0.23654	0.31083	
	31	0.21058	0.23003	0.250	0.22417	0.30006	0.30894	
	32	0.23039	0.22185	0.21929	0.2336	0.29723	0.24355	
	Min	0.2106	0.2127	0.2193	0.2132	0.2365	0.2436	
	Max	0.2445	0.2451	0.2504	0.2380	0.3001	0.3108	
	Average	0.2242	0.2274	0.2398	0.2272	0.2685	0.2892	
UnBiased	24	0.21152	0.23883	0.22589	0.21757	0.2356	0.18821	
	25	0.21781	0.20173	0.23972	0.20908	0.27773	0.22343	
	33	0.22661	0.21996	0.24947	0.23234	0.19316	0.18161	
	34	0.22819	0.23254	0.24947	0.23706	0.18152	0.20016	
	Min	0.2115	0.2017	0.2259	0.2091	0.1815	0.1816	
	Max	0.2282	0.2388	0.2495	0.2371	0.2777	0.2234	
	Average	0.2210	0.2233	0.2411	0.2240	0.2220	0.1984	



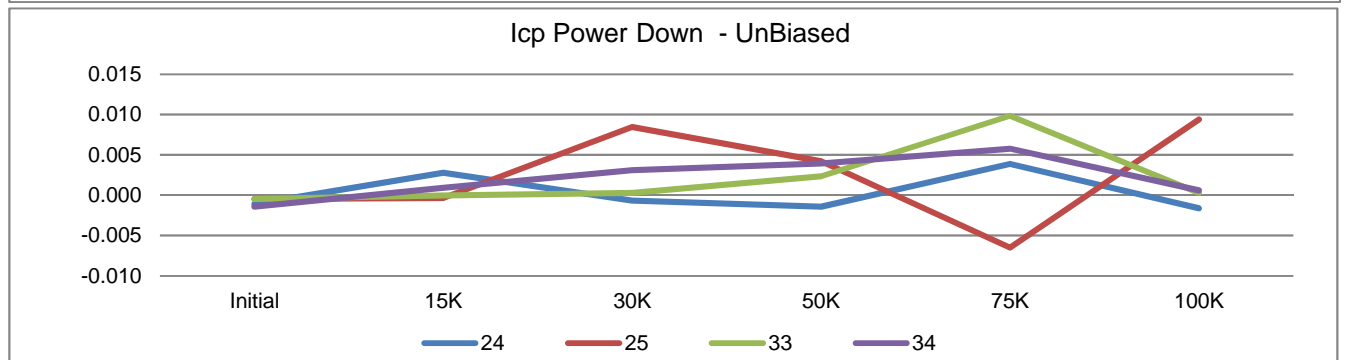
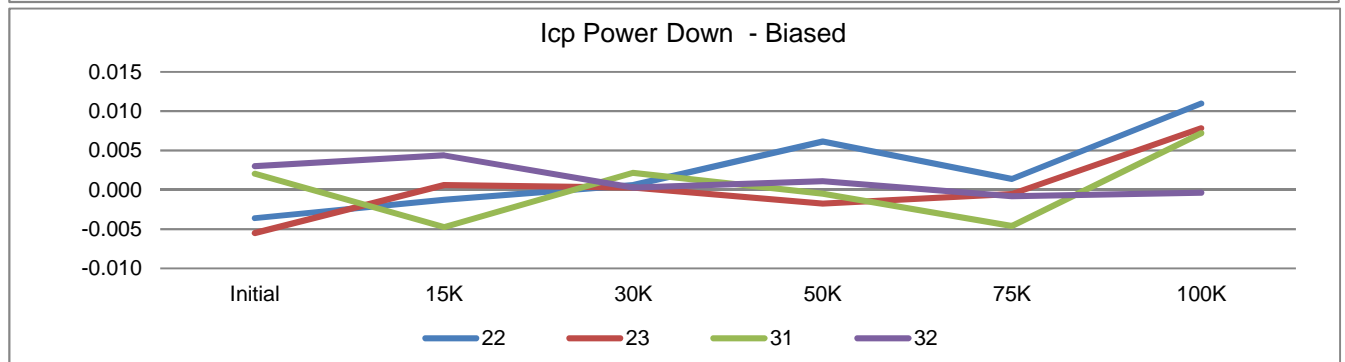
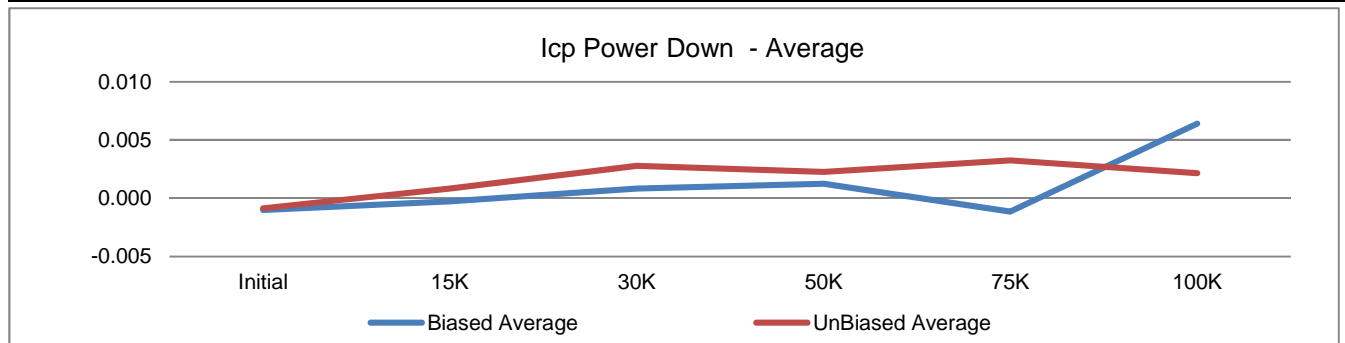
T# 6		Initial Power Down Icp						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.00048	0.00796	-0.00035	-0.00016	-0.00020	0.00280	<15
	48	-0.00392	0.00104	0.00217	0.00424	0.00798	0.00122	
Biased	22	-0.00172	0.00344	0.00280	0.00015	-0.00177	-0.00066	
	23	0.00017	-0.00160	0.00060	0.00424	0.00263	-0.00098	
	31	-0.00109	-0.00002	0.00060	0.00330	0.00043	-0.00349	
	32	-0.00267	-0.00222	-0.00066	0.00109	-0.00335	0.00594	
	Min	-0.00267	-0.00222	-0.00066	0.00015	-0.00335	-0.00349	
	Max	0.00017	0.00344	0.00280	0.00424	0.00263	0.00594	
	Average	-0.00133	-0.00010	0.00083	0.00219	-0.00052	0.00020	
UnBiased	24	-0.00015	-0.00506	0.01003	0.00393	0.00200	0.00689	
	25	0.00646	0.00658	0.00091	-0.00174	-0.00020	-0.00035	
	33	0.00080	-0.00128	0.00060	-0.00300	0.00074	0.00311	
	34	0.00017	0.00124	-0.00035	0.00015	0.00074	0.01066	
	Min	-0.00015	-0.00506	-0.00035	-0.00300	-0.00020	-0.00035	
	Max	0.00646	0.00658	0.01003	0.00393	0.00200	0.01066	
	Average	0.00182	0.00037	0.00280	-0.00017	0.00082	0.00508	



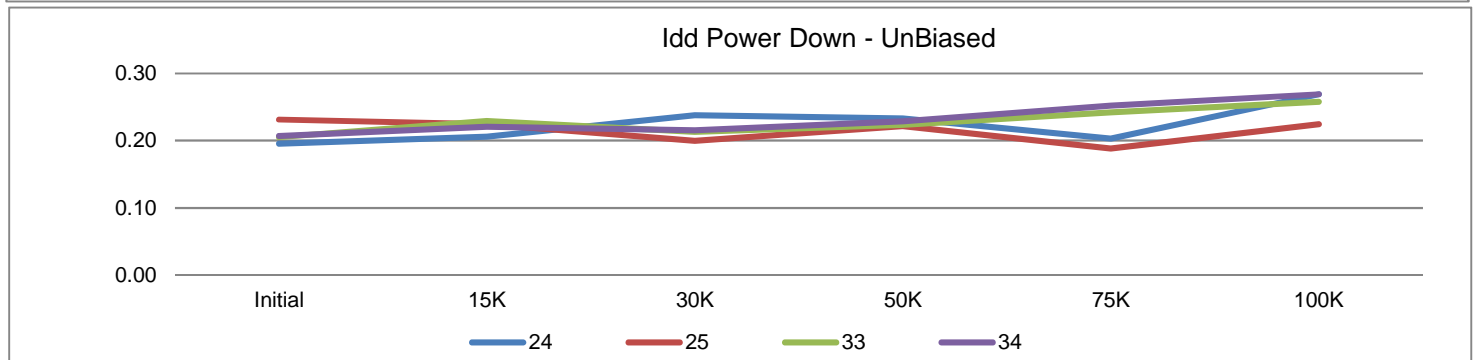
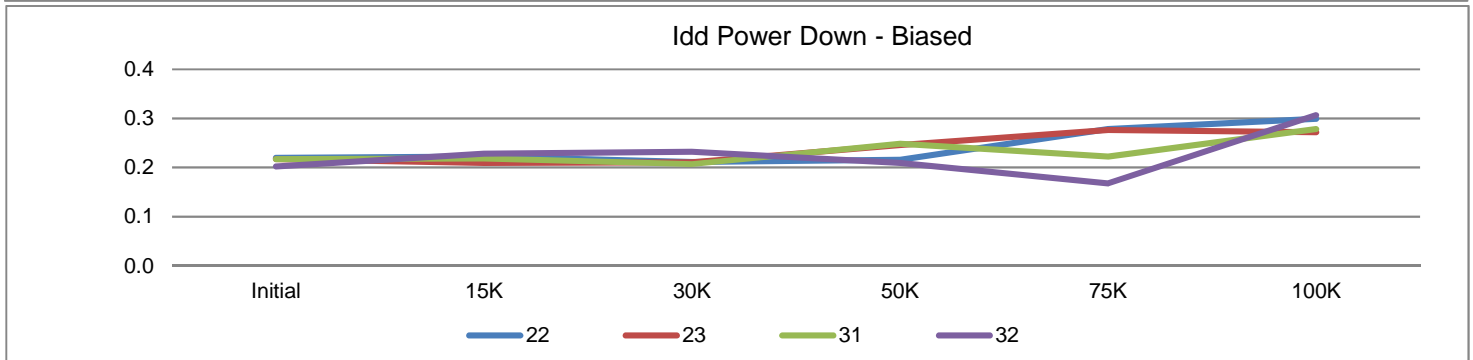
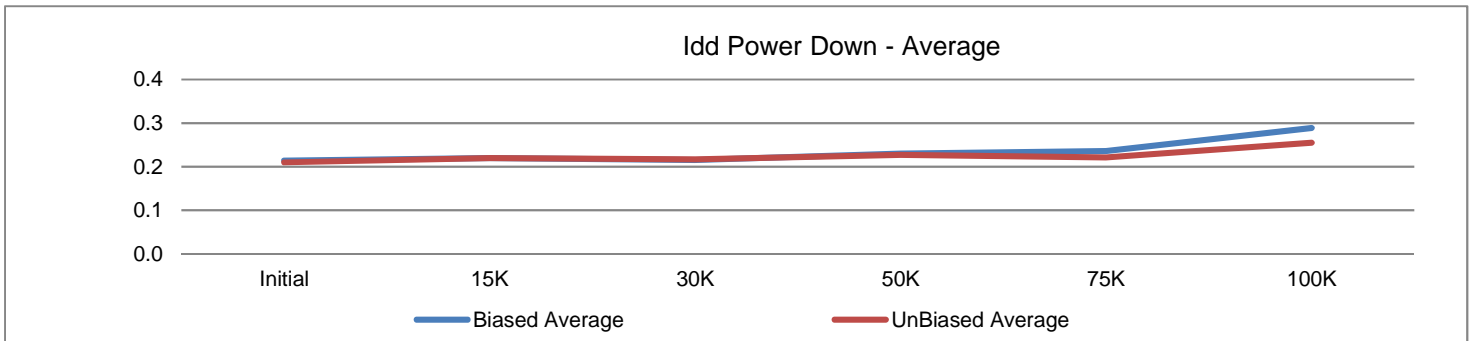
T# 7	Idd Power Down (CE0.2V)						uA	
SN	Initial	15K	30K	50K	75K	100K	Limit	
Control	2	0.22598	0.24142	0.23941	0.24712	0.22208	0.21399	<15
	48	0.19863	0.39423	0.22400	0.27730	0.30414	0.27467	
Biased	22	0.20869	0.23568	0.22872	0.21788	0.27616	0.26430	
	23	0.22724	0.22562	0.22432	0.23517	0.26390	0.26807	
	31	0.20052	0.21682	0.22935	0.23203	0.31483	0.26210	
	32	0.21152	0.22311	0.20954	0.22165	0.21013	0.29605	
	Min	0.20052	0.21682	0.20954	0.21788	0.21013	0.26210	
	Max	0.22724	0.23568	0.22935	0.23517	0.31483	0.29605	
	Average	0.21199	0.22531	0.22298	0.22668	0.26626	0.27263	
UnBiased	24	0.20083	0.20487	0.24035	0.24555	0.17838	0.21525	
	25	0.21907	0.20487	0.21268	0.19713	0.24126	0.19356	
	33	0.21435	0.23726	0.23218	0.21222	0.16706	0.20770	
	34	0.21624	0.22908	0.23029	0.21757	0.15448	0.23569	
	Min	0.20083	0.20487	0.21268	0.19713	0.15448	0.19356	
	Max	0.21907	0.23726	0.24035	0.24555	0.24126	0.23569	
	Average	0.21262	0.21902	0.22888	0.21812	0.18530	0.21305	



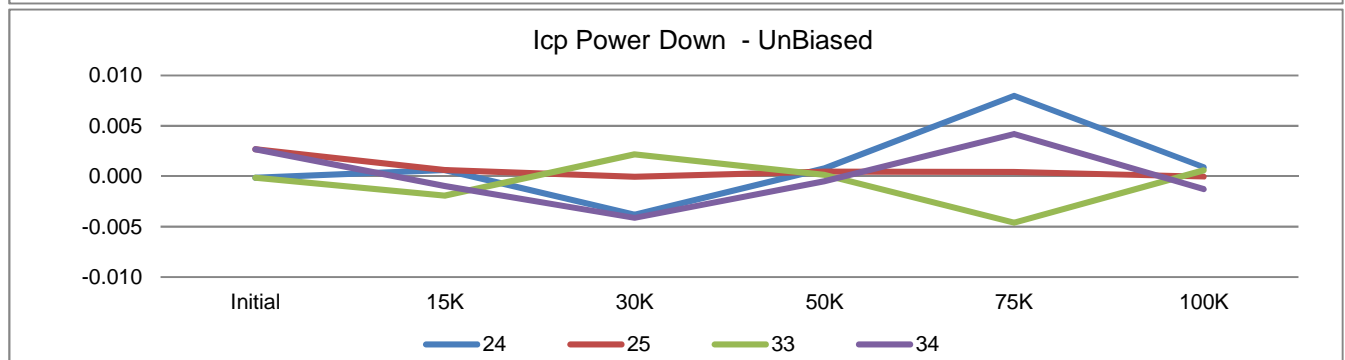
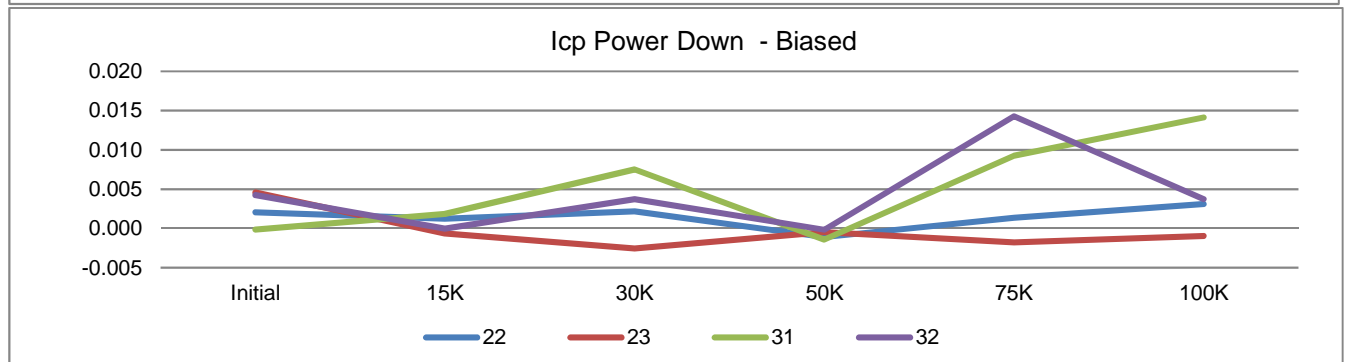
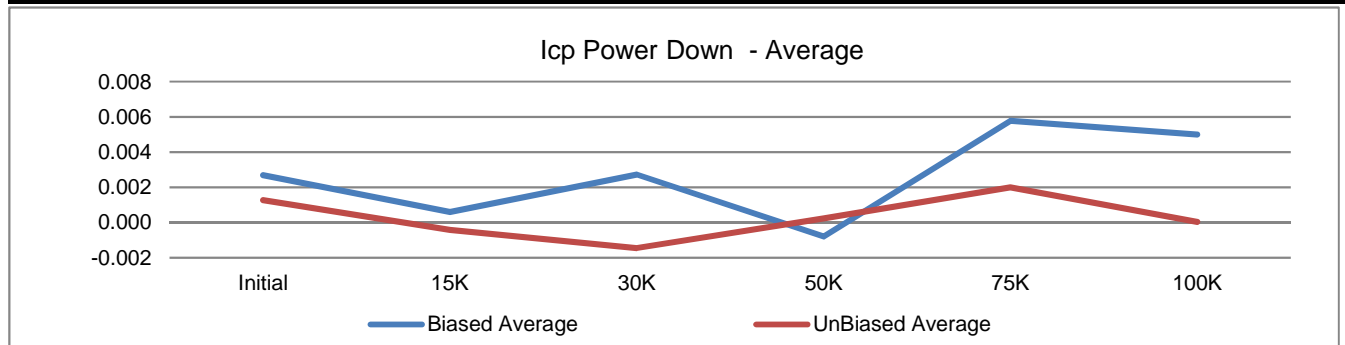
T# 8		Icp Power Down (CE=0.2V)						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.00267	-0.00085	0.00060	0.00078	0.00200	0.00091	<15
	48	0.00111	0.01457	0.00217	0.00267	-0.00020	0.00531	
Biased	22	-0.00361	-0.00128	0.00060	0.00613	0.00137	0.01098	
	23	-0.00550	0.00061	0.00028	-0.00174	-0.00052	0.00783	
	31	0.00205	-0.00474	0.00217	-0.00048	-0.00461	0.00720	
	32	0.00300	0.00438	0.00028	0.00109	-0.00083	-0.00035	
	Min	-0.00550	-0.00474	0.00028	-0.00174	-0.00461	-0.00035	
	Max	0.00300	0.00438	0.00217	0.00613	0.00137	0.01098	
	Average	-0.00102	-0.00026	0.00083	0.00125	-0.00115	0.00642	
UnBiased	24	-0.00109	0.00281	-0.00066	-0.00142	0.00389	-0.00161	
	25	-0.00046	-0.00034	0.00846	0.00424	-0.00649	0.00940	
	33	-0.00046	-0.00002	0.00028	0.00235	0.00986	0.00028	
	34	-0.00141	0.00092	0.00311	0.00393	0.00578	0.00059	
	Min	-0.00141	-0.00034	-0.00066	-0.00142	-0.00649	-0.00161	
	Max	-0.00046	0.00281	0.00846	0.00424	0.00986	0.00940	
	Average	-0.00086	0.00084	0.00280	0.00228	0.00326	0.00217	



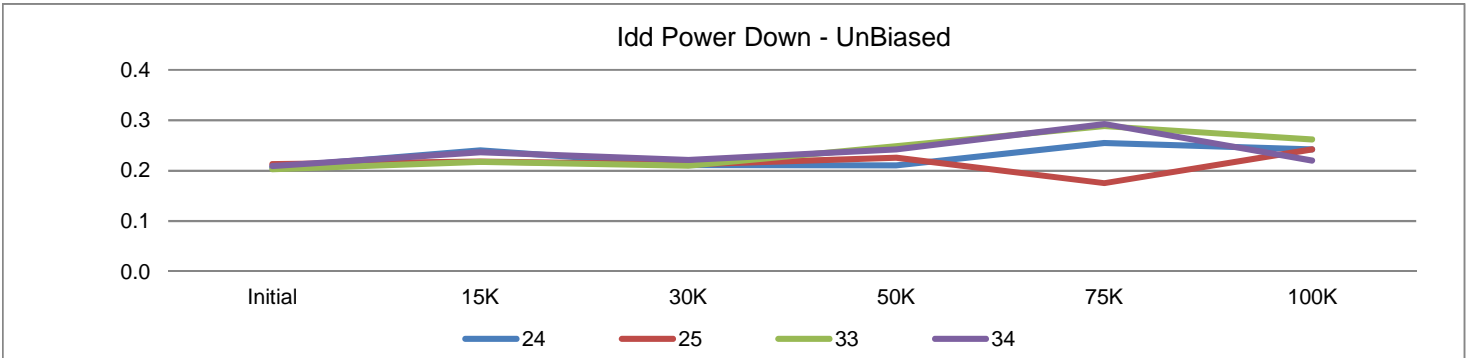
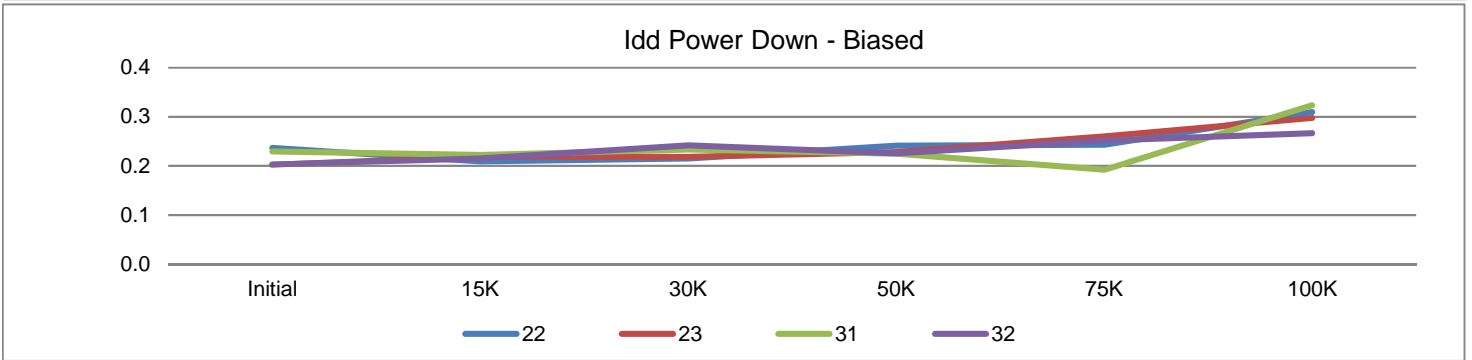
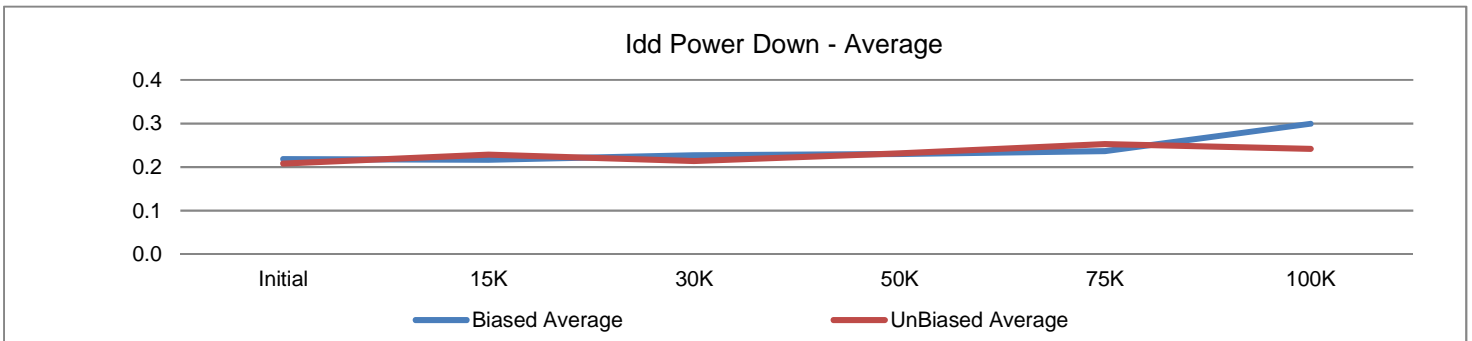
T# 9	Idd Power Down (CE=3V DB21/DB3=01)							uA
SN	Initial	15K	30K	50K	75K	100K	Limit	
Control	2	0.23793	0.22539	0.22274	0.22480	0.24378	0.21588	<15
	48	0.22221	0.38291	0.24758	0.30088	0.27144	0.27719	
Biased	22	0.21970	0.22248	0.21111	0.21600	0.27805	0.29920	
	23	0.21687	0.20927	0.21048	0.24586	0.27616	0.27153	
	31	0.21718	0.21808	0.20702	0.24838	0.22240	0.27813	
	32	0.20177	0.22845	0.23186	0.20908	0.16769	0.30643	
	Min	0.20177	0.20927	0.20702	0.20908	0.16769	0.27153	
	Max	0.21970	0.22845	0.23186	0.24838	0.27805	0.30643	
	Average	0.21388	0.21957	0.21512	0.22983	0.23608	0.28882	
UnBiased	24	0.19549	0.20613	0.23784	0.23329	0.20290	0.26901	
	25	0.23133	0.22437	0.19979	0.22165	0.18844	0.22437	
	33	0.20523	0.22908	0.21300	0.22354	0.24220	0.25770	
	34	0.20681	0.22059	0.21551	0.22889	0.25227	0.26901	
	Min	0.19549	0.20613	0.19979	0.22165	0.18844	0.22437	
	Max	0.23133	0.22908	0.23784	0.23329	0.25227	0.26901	
	Average	0.20972	0.22004	0.21654	0.22684	0.22145	0.25502	



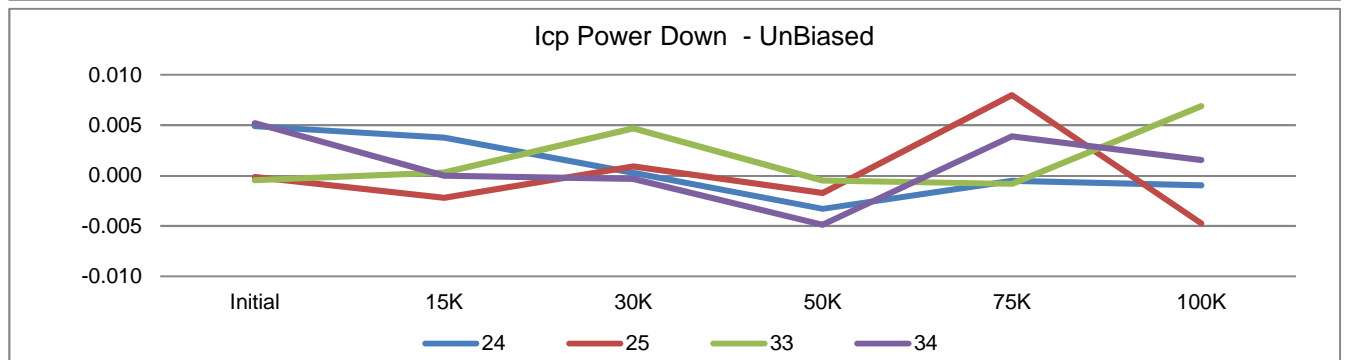
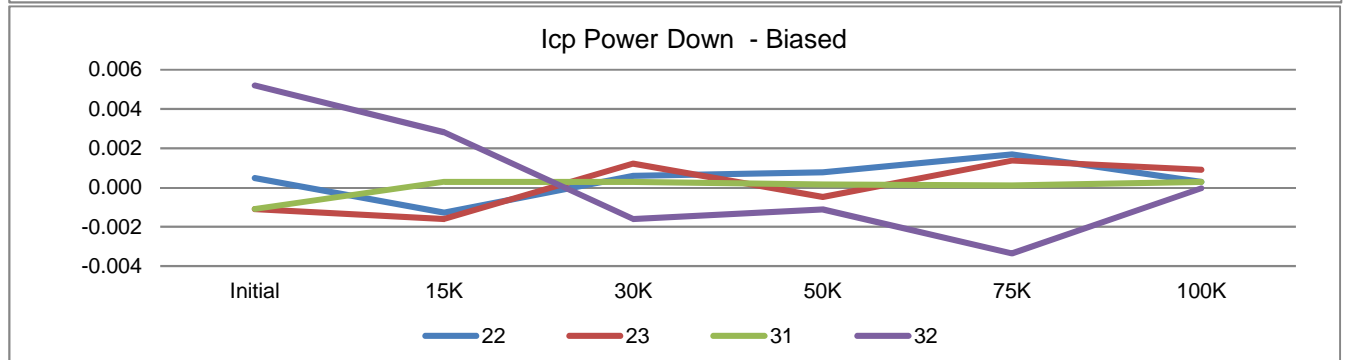
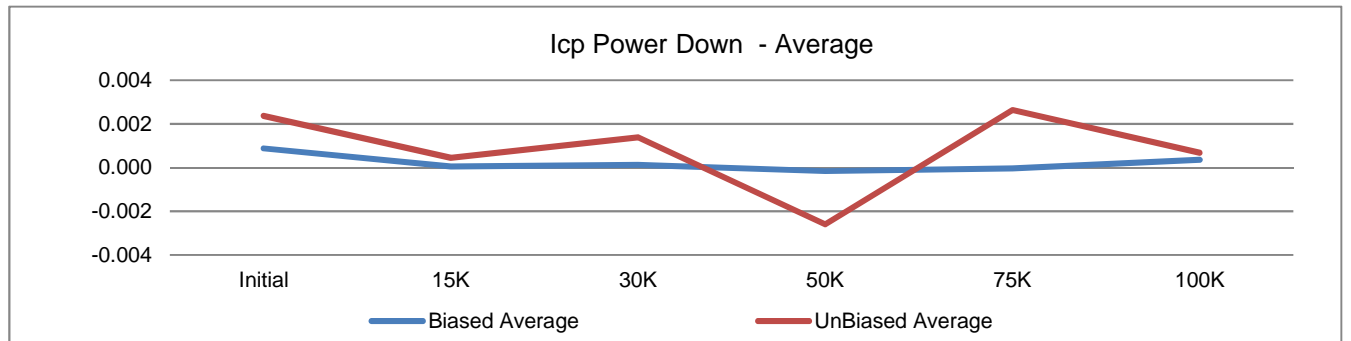
T# 10	Icp Power Down (CE=3V DB21/DB3=01)							uA
SN	Initial	15K	30K	50K	75K	100K	Limit	
Control	2	-0.00015	0.00199	-0.00161	0.00267	0.00200	-0.00035	<15
	48	-0.00046	0.00010	-0.00098	0.00235	0.00011	-0.00098	
Biased	22	0.00205	0.00124	0.00217	-0.00111	0.00137	0.00311	
	23	0.00457	-0.00065	-0.00255	-0.00048	-0.00177	-0.00098	
	31	-0.00015	0.00186	0.00752	-0.00142	0.00924	0.01412	
	32	0.00426	-0.00002	0.00374	-0.00016	0.01427	0.00374	
	Min	-0.00015	-0.00065	-0.00255	-0.00142	-0.00177	-0.00098	
	Max	0.00457	0.00186	0.00752	-0.00016	0.01427	0.01412	
	Average	0.00268	0.00061	0.00272	-0.00079	0.00578	0.00500	
UnBiased	24	-0.00015	0.00061	-0.00381	0.00078	0.00798	0.00091	
	25	0.00268	0.00061	-0.00003	0.00046	0.00043	-0.00003	
	33	-0.00015	-0.00191	0.00217	0.00015	-0.00461	0.00059	
	34	0.00268	-0.00097	-0.00412	-0.00048	0.00420	-0.00129	
	Min	-0.00015	-0.00191	-0.00412	-0.00048	-0.00461	-0.00129	
	Max	0.00268	0.00061	0.00217	0.00078	0.00798	0.00091	
	Average	0.00127	-0.00042	-0.00145	0.00023	0.00200	0.00005	



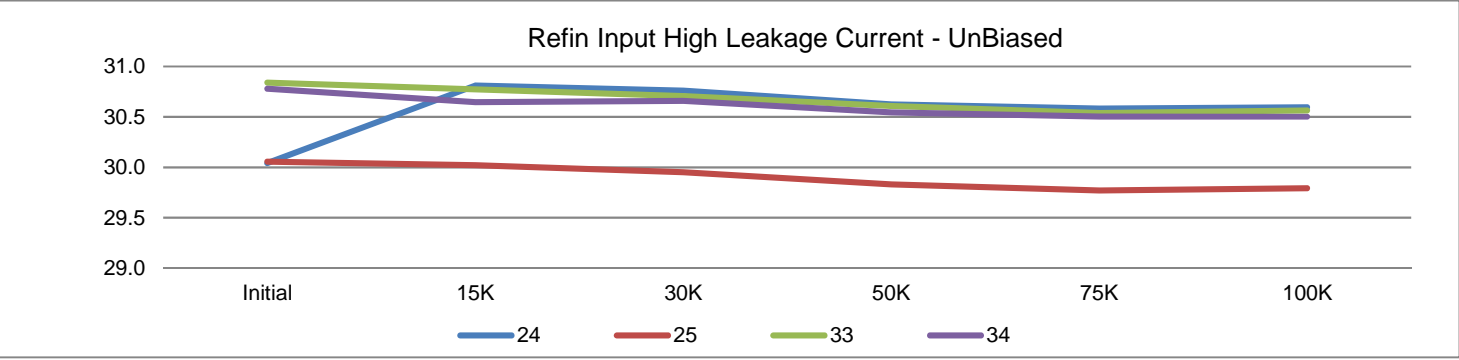
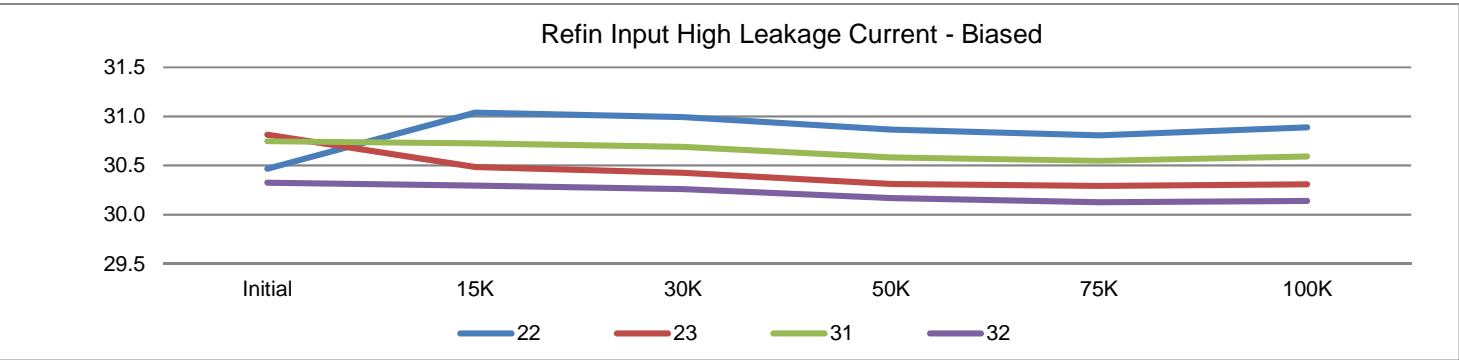
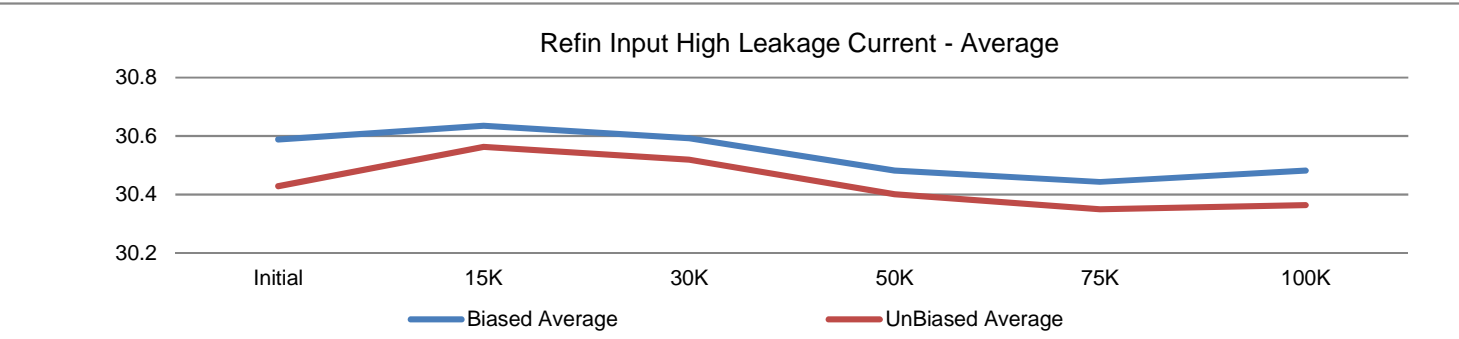
T# 11		Idd Power Down (CE=3V DB21/DB3=11)						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.23856	0.21627	0.2108	0.20971	0.22334	0.23129	<15
	48	0.2285	0.42536	0.24821	0.27856	0.2378	0.2621	
Biased	22	0.23636	0.20927	0.21488	0.24115	0.24315	0.30957	
	23	0.2024	0.21933	0.21834	0.22794	0.26013	0.29763	
	31	0.22976	0.22248	0.233	0.2248	0.19221	0.32341	
	32	0.20303	0.21525	0.24161	0.22574	0.25164	0.2665	
	Min	0.2024	0.2093	0.2149	0.2248	0.1922	0.2665	
	Max	0.2364	0.2225	0.2416	0.2412	0.2601	0.3234	
	Average	0.2179	0.2166	0.2270	0.2299	0.2368	0.2993	
UnBiased	24	0.20649	0.2404	0.21143	0.21065	0.25509	0.24198	
	25	0.21278	0.21808	0.21237	0.22543	0.17524	0.24229	
	33	0.20303	0.21776	0.20985	0.24869	0.28811	0.2621	
	34	0.20932	0.23631	0.22117	0.24209	0.29251	0.22028	
	Min	0.2030	0.2178	0.2099	0.2107	0.1752	0.2203	
	Max	0.2128	0.2404	0.2212	0.2487	0.2925	0.2621	
	Average	0.2079	0.2281	0.2137	0.2317	0.2527	0.2417	



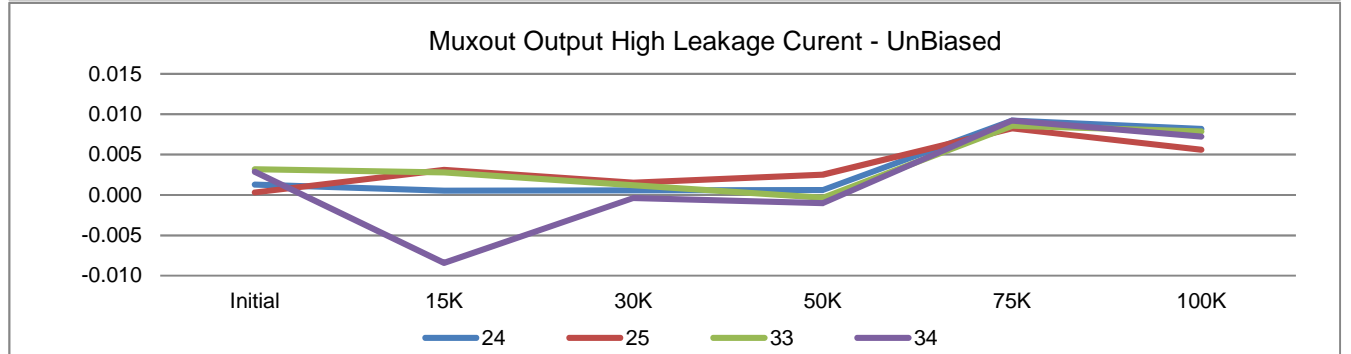
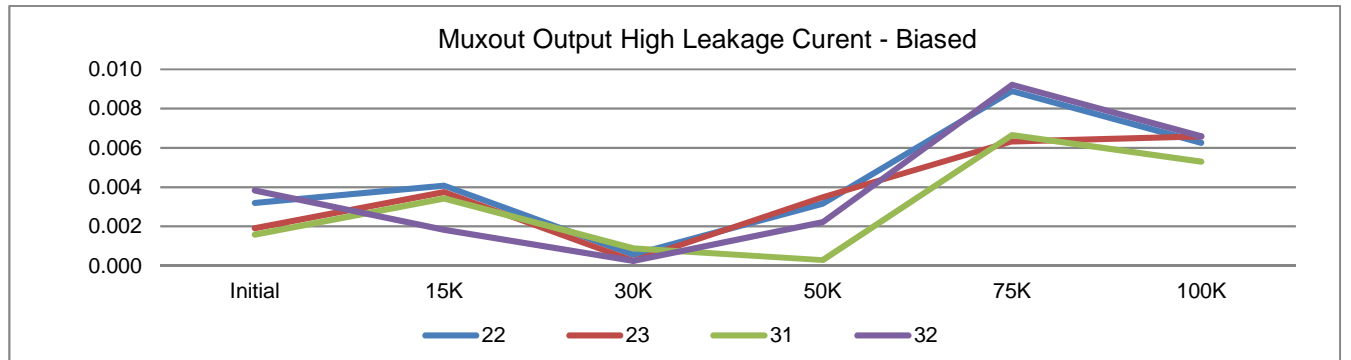
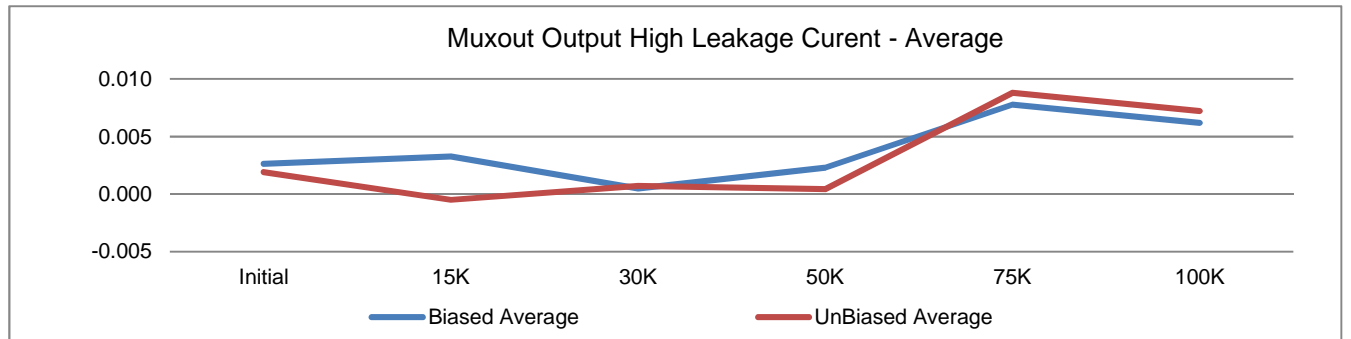
T# 12	Icp Power Down (CE=3V DB21/DB3=11)							uA
SN	Initial	15K	30K	50K	75K	100K	Limit	
Control	2	0.00017	-0.00179	-0.00098	0.00109	0.00074	0.00028	<15
	48	0.00237	0.00167	0.00122	-0.00174	0.00137	0.00406	
Biased	22	0.00048	-0.00128	0.00060	0.00078	0.00169	0.00028	
	23	-0.00109	-0.00160	0.00122	-0.00048	0.00137	0.00091	
	31	-0.00109	0.00029	0.00028	0.00015	0.00011	0.00028	
	32	0.00520	0.00281	-0.00161	-0.00111	-0.00335	-0.00003	
	Min	-0.00109	-0.00160	-0.00161	-0.00111	-0.00335	-0.00003	
	Max	0.00520	0.00281	0.00122	0.00078	0.00169	0.00091	
	Average	0.00088	0.00006	0.00012	-0.00017	-0.00004	0.00036	
UnBiased	24	0.00489	0.00375	0.00028	-0.00331	-0.00052	-0.00098	
	25	-0.00015	-0.00222	0.00091	-0.00174	0.00798	-0.00475	
	33	-0.00046	0.00029	0.00469	-0.00048	-0.00083	0.00689	
	34	0.00520	-0.00002	-0.00035	-0.00488	0.00389	0.00154	
	Min	-0.00046	-0.00222	-0.00035	-0.00488	-0.00083	-0.00475	
	Max	0.00520	0.00375	0.00469	-0.00048	0.00798	0.00689	
	Average	0.00237	0.00045	0.00138	-0.00260	0.00263	0.00068	



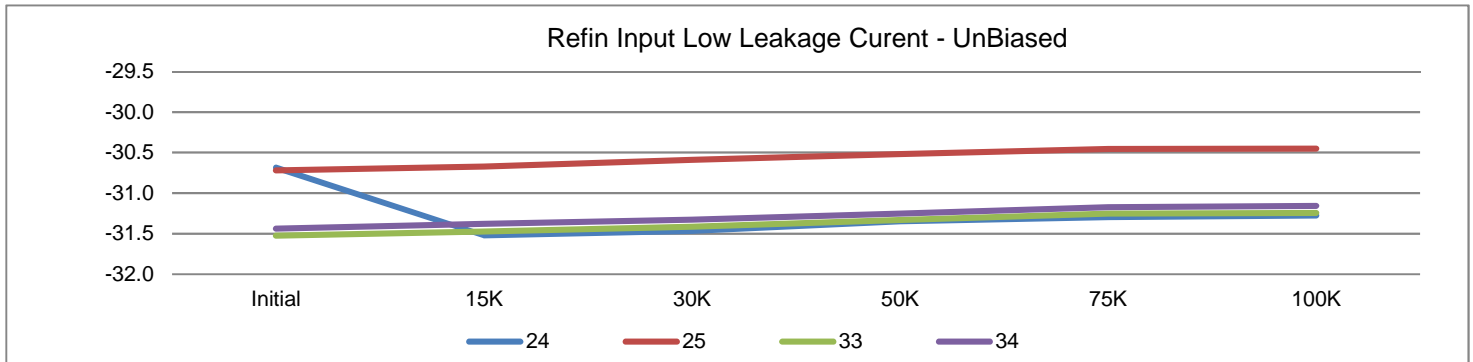
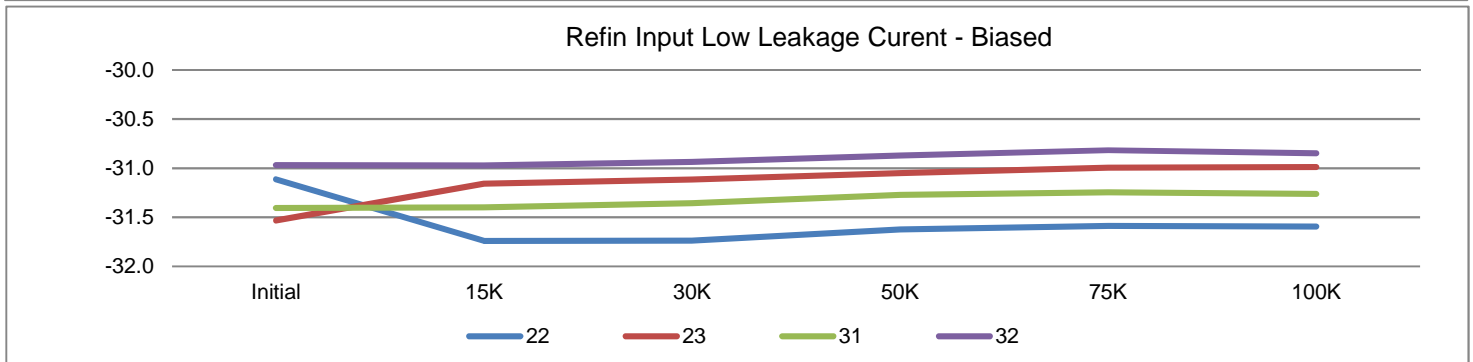
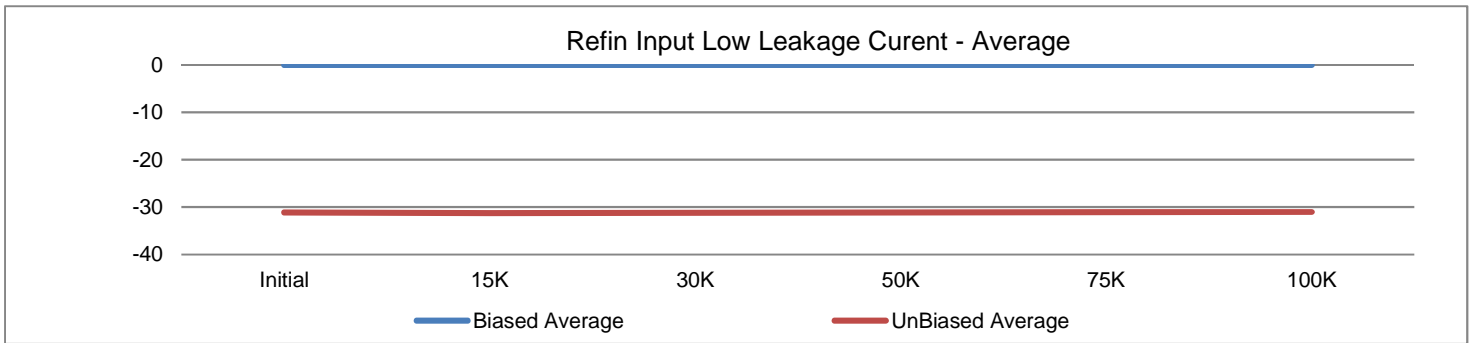
T# 13		Refin Input High Leakage Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	30.46195	30.41346	30.42329	30.33953	30.36854	30.44784	+/-100
	48	30.65078	30.57967	30.80573	30.21184	30.51565	30.5421	
Biased	22	30.46704	31.03807	30.99424	30.86589	30.80541	30.8873	
	23	30.81381	30.48305	30.4268	30.31151	30.2918	30.30804	
	31	30.7463	30.7241	30.691	30.58281	30.54813	30.59274	
	32	30.32567	30.29454	30.25866	30.16822	30.12622	30.14054	
	Min	30.3257	30.2945	30.2587	30.1682	30.1262	30.1405	
	Max	30.8138	31.0381	30.9942	30.8659	30.8054	30.8873	
	Average	30.5882	30.6349	30.5927	30.4821	30.4429	30.4822	
UnBiased	24	30.04099	30.81104	30.76115	30.62197	30.5822	30.59624	
	25	30.05628	30.02196	29.94979	29.82973	29.77054	29.79375	
	33	30.83928	30.7741	30.70734	30.60796	30.53921	30.5628	
	34	30.77814	30.64481	30.65798	30.54332	30.5045	30.50134	
	Min	30.0410	30.0220	29.9498	29.8297	29.7705	29.7938	
	Max	30.8393	30.8110	30.7612	30.6220	30.5822	30.5962	
	Average	30.4287	30.5630	30.5191	30.4007	30.3491	30.3635	



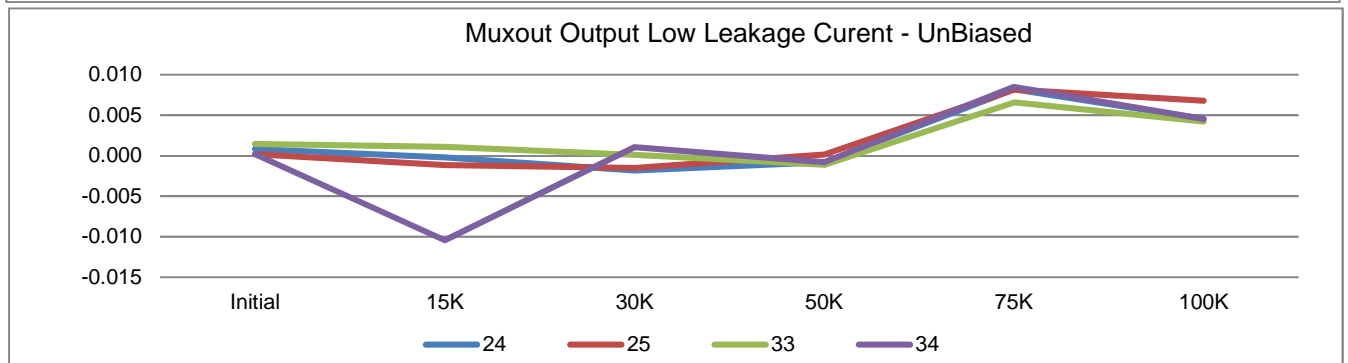
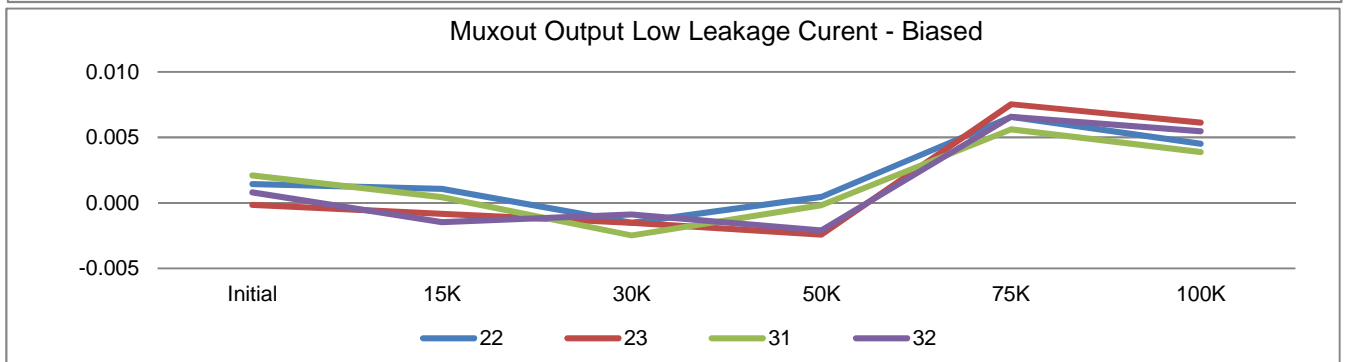
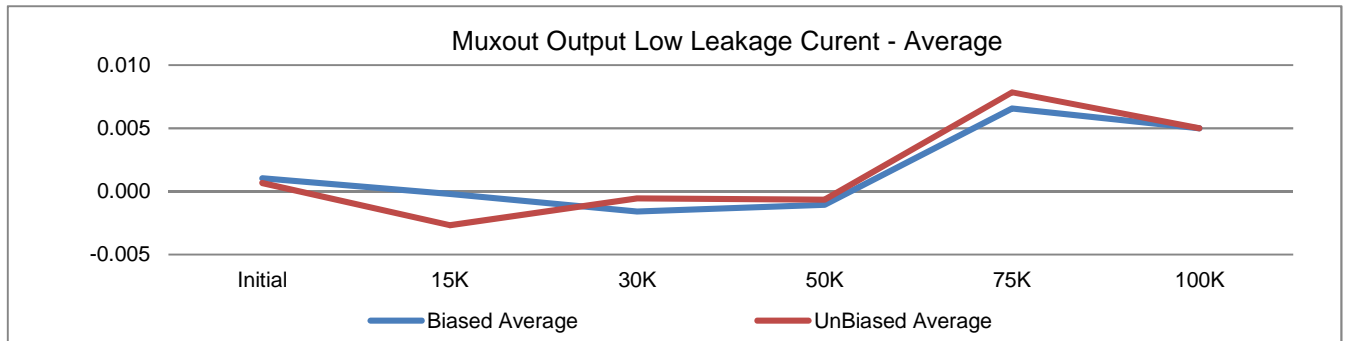
	T# 14	Muxout Output High Leakage Current						uA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.000948	0.010170	0.002490	0.000928	0.008890	0.005940	+/-100
	48	0.002550	0.006970	0.000888	0.001570	0.008250	0.006900	
Biased	22	0.003190	0.004070	0.000568	0.003170	0.008890	0.006260	
	23	0.001910	0.003750	0.000248	0.003490	0.006330	0.006580	
	31	0.001590	0.003430	0.000888	0.000287	0.006650	0.005300	
	32	0.003830	0.001830	0.000248	0.002210	0.009210	0.006580	
	Min	0.001590	0.001830	0.000248	0.000287	0.006330	0.005300	
	Max	0.003830	0.004070	0.000888	0.003490	0.009210	0.006580	
	Average	0.002630	0.003270	0.000488	0.002289	0.007770	0.006180	
UnBiased	24	0.001270	0.000545	0.000568	0.000608	0.009210	0.008180	
	25	0.000307	0.003110	0.001530	0.002530	0.008250	0.005620	
	33	0.003190	0.002790	0.001210	-0.000353	0.008570	0.007860	
	34	0.002870	-0.008420	-0.000393	-0.000993	0.009210	0.007220	
	Min	0.000307	-0.008420	-0.000393	-0.000993	0.008250	0.005620	
	Max	0.003190	0.003110	0.001530	0.002530	0.009210	0.008180	
	Average	0.001909	-0.000494	0.000729	0.000448	0.008810	0.007220	



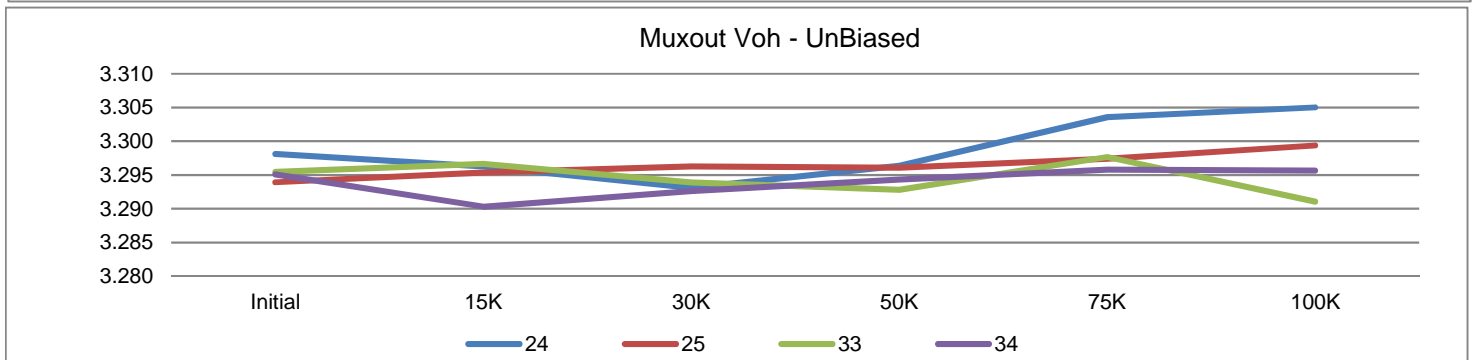
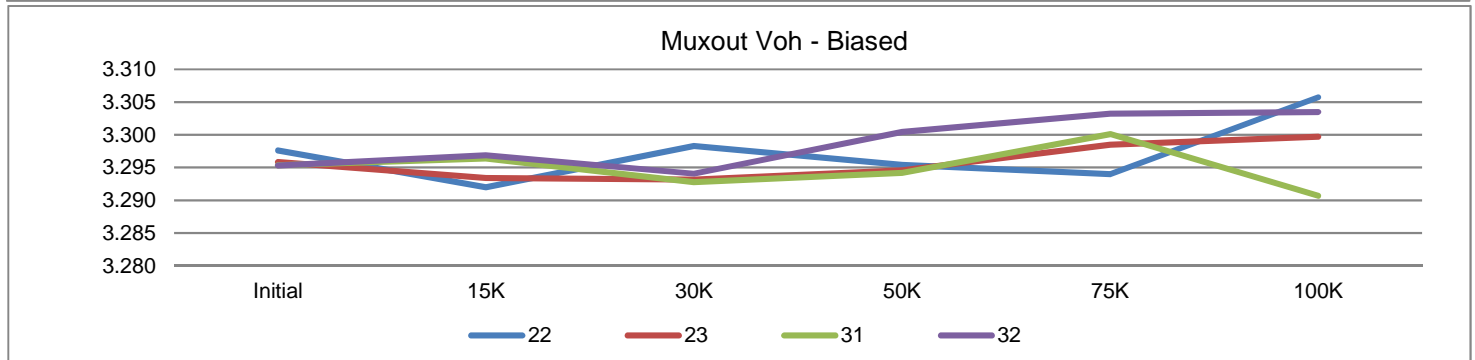
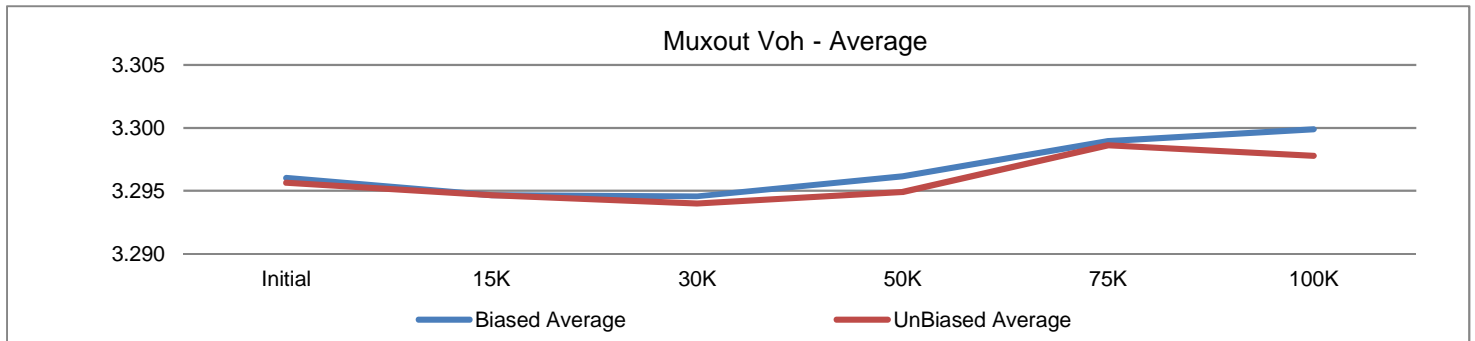
T# 15		Refin Input Low Leakage Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-31.13417	-31.09252	-31.11758	-31.09867	-31.09201	-31.11104	+/-100
	48	-31.33891	-31.24409	-31.50479	-30.91844	-31.21715	-31.21709	
Biased	22	-31.11283	-31.74072	-31.73915	-31.62471	-31.58685	-31.59285	
	23	-31.53315	-31.15831	-31.11662	-31.05059	-30.99362	-30.98844	
	31	-31.40546	-31.39746	-31.356	-31.27189	-31.24549	-31.26198	
	32	-30.96859	-30.97139	-30.93766	-30.87227	-30.81722	-30.84705	
	Min	-31.5332	-31.7407	-31.7392	-31.6247	-31.5869	-31.5929	
	Max	-30.9686	-30.9714	-30.9377	-30.8723	-30.8172	-30.8471	
	Average	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
UnBiased	24	-30.68551	-31.52101	-31.46785	-31.34704	-31.29453	-31.27727	
	25	-30.72022	-30.67111	-30.5893	-30.51914	-30.45485	-30.45026	
	33	-31.52487	-31.47388	-31.41276	-31.33271	-31.25059	-31.24383	
	34	-31.43922	-31.38058	-31.32742	-31.25342	-31.17544	-31.15721	
	Min	-31.5249	-31.5210	-31.4679	-31.3470	-31.2945	-31.2773	
	Max	-30.6855	-30.6711	-30.5893	-30.5191	-30.4549	-30.4503	
	Average	-31.0925	-31.2616	-31.1993	-31.1131	-31.0439	-31.0321	



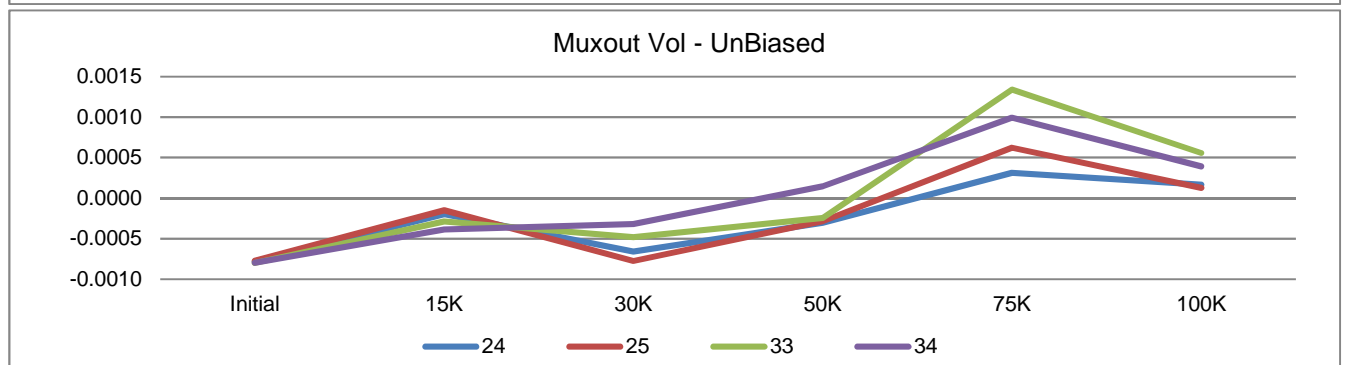
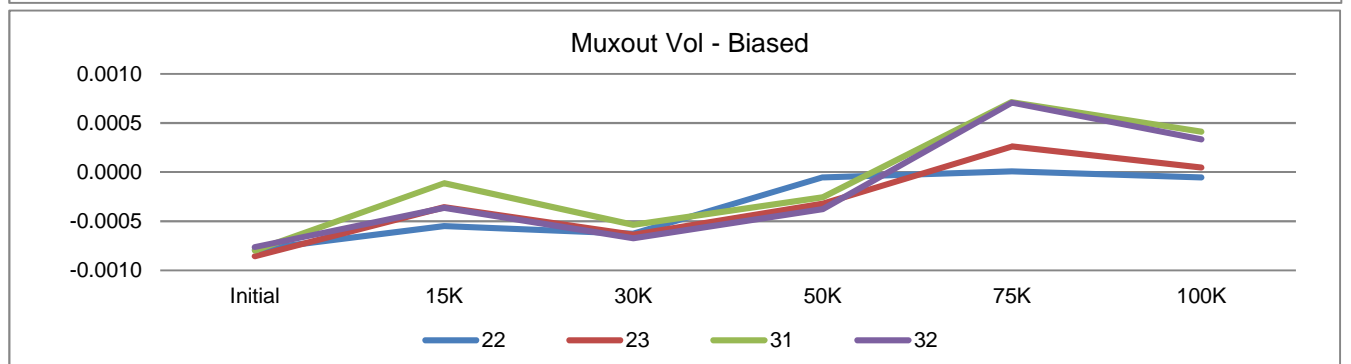
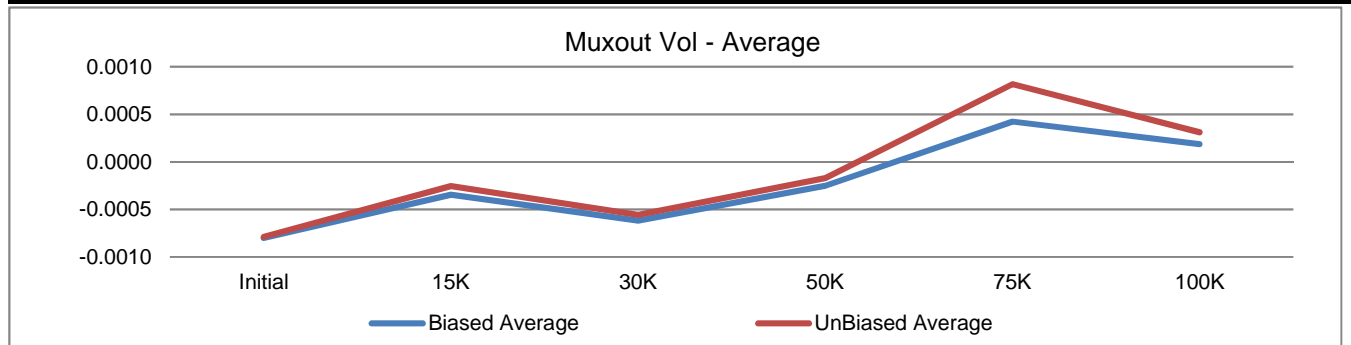
T# 16		Muxout Output Low Leakage Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.001130	0.007830	-0.001840	-0.000819	0.006890	0.001630	+/-100
	48	-0.000149	0.008470	-0.000559	-0.002100	0.006250	0.003880	
Biased	22	0.001450	0.001080	-0.001520	0.000461	0.006570	0.004520	
	23	-0.000149	-0.000842	-0.001520	-0.002420	0.007530	0.006120	
	31	0.002090	0.000438	-0.002480	-0.000179	0.005610	0.003880	
	32	0.000811	-0.001480	-0.000879	-0.002100	0.006570	0.005480	
	Min	-0.000149	-0.001480	-0.002480	-0.002420	0.005610	0.003880	
	Max	0.002090	0.001080	-0.000879	0.000461	0.007530	0.006120	
	Average	0.001050	-0.000201	-0.001600	-0.001060	0.006570	0.005000	
UnBiased	24	0.000811	-0.000202	-0.001840	-0.000819	0.008170	0.004520	
	25	0.000171	-0.001160	-0.001520	0.000141	0.008170	0.006760	
	33	0.001450	0.001080	0.000081	-0.001140	0.006570	0.004200	
	34	0.000171	-0.010440	0.001040	-0.000819	0.008490	0.004520	
	Min	0.000171	-0.010440	-0.001840	-0.001140	0.006570	0.004200	
	Max	0.001450	0.001080	0.001040	0.000141	0.008490	0.006760	
	Average	0.000651	-0.002680	-0.000560	-0.000659	0.007850	0.005000	



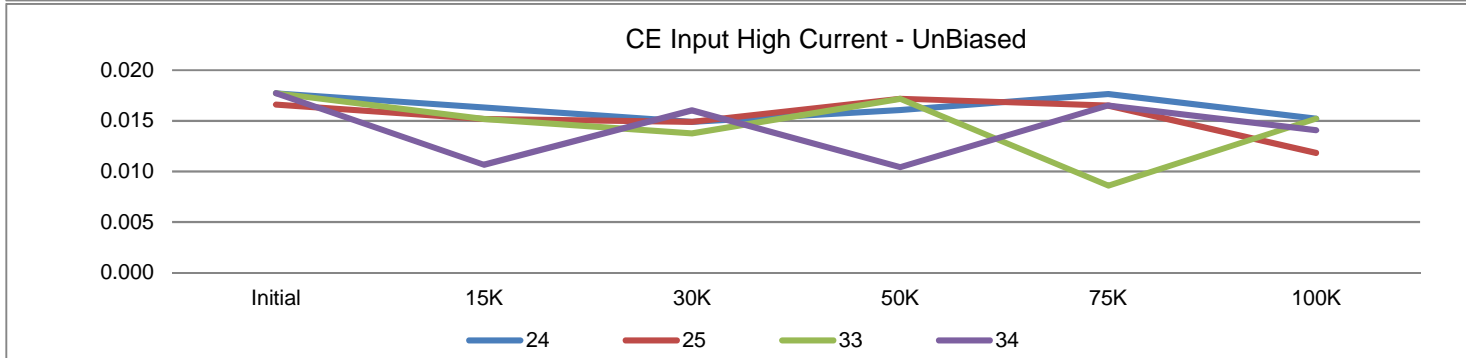
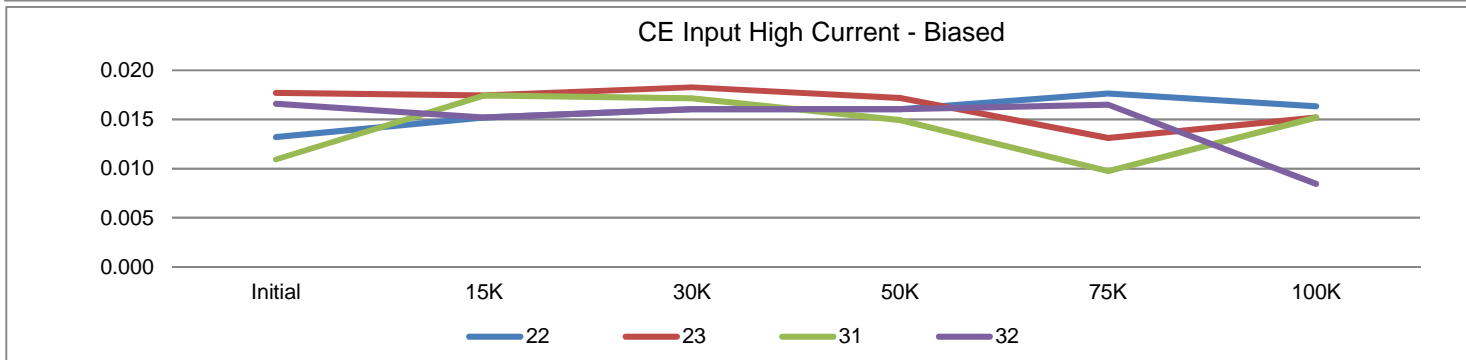
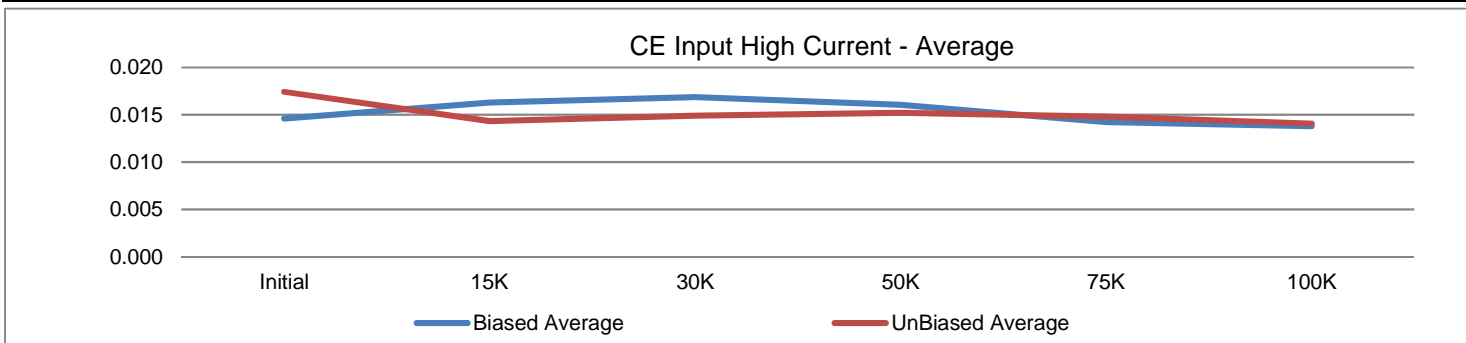
T# 17		Muxout Voh (CMOS)						V
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	3.29592	3.29639	3.29482	3.29495	3.29658	3.29643	>2.9
	48	3.30187	3.29543	3.29392	3.29431	3.29716	3.29451	
Biased	22	3.29758	3.29198	3.29827	3.2954	3.29396	3.30572	
	23	3.29585	3.29339	3.29315	3.29456	3.2985	3.2997	
	31	3.29534	3.2964	3.293	3.29418	3.3001	3.29067	
	32	3.29528	3.29685	3.29405	3.30045	3.30324	3.30348	
	Min	3.2953	3.2920	3.2928	3.2942	3.2940	3.2907	
	Max	3.2976	3.2969	3.2983	3.3005	3.3032	3.3057	
	Average	3.2960	3.2947	3.2946	3.2961	3.2990	3.2999	
UnBiased	24	3.2981	3.29627	3.29309	3.29636	3.30356	3.30501	
	25	3.29393	3.29538	3.29629	3.2961	3.29742	3.29938	
	33	3.29547	3.29666	3.29392	3.29283	3.29767	3.29106	
	34	3.29509	3.29032	3.29264	3.29431	3.29581	3.29567	
	Min	3.2939	3.2903	3.2926	3.2928	3.2958	3.2911	
	Max	3.2981	3.2967	3.2963	3.2964	3.3036	3.3050	
	Average	3.2956	3.2947	3.2940	3.2949	3.2986	3.2978	



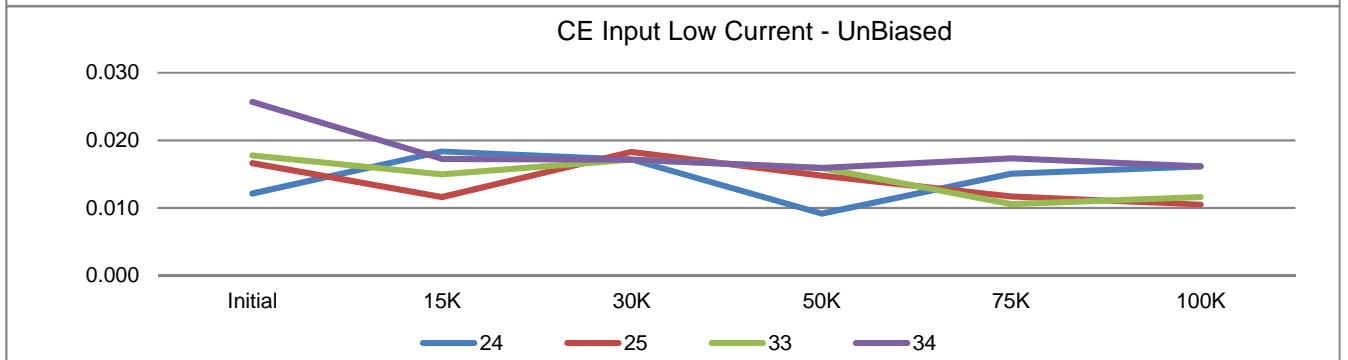
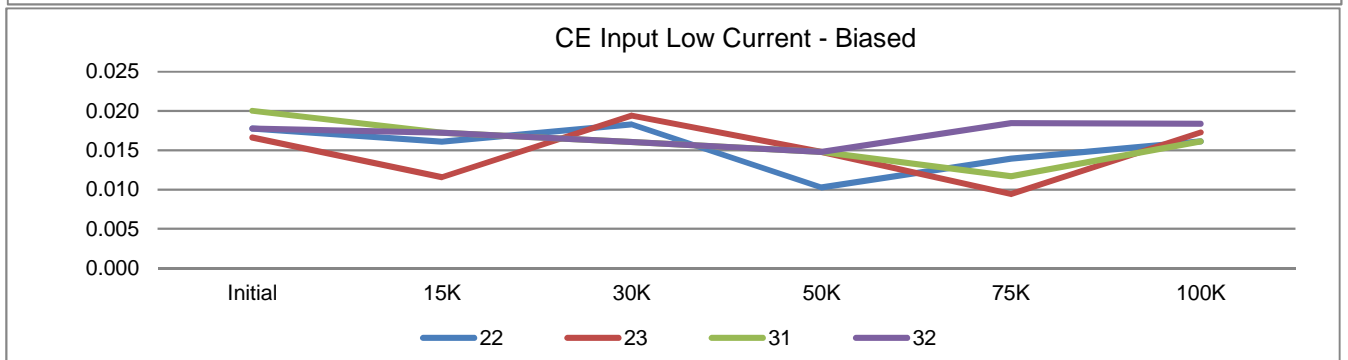
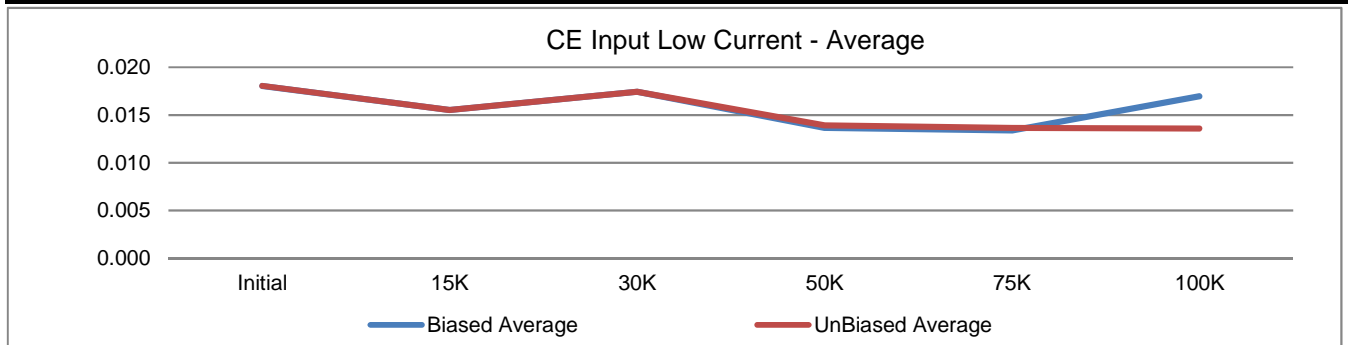
T# 18		Muxout Vol						V
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.000820	-0.000286	-0.000419	-0.000408	0.000621	0.000040	<0.4
	48	-0.000767	0.000155	-0.000238	-0.000006	0.000393	0.000030	
Biased	22	-0.000791	-0.000549	-0.000628	-0.000054	0.000009	-0.000054	
	23	-0.000856	-0.000358	-0.000638	-0.000322	0.000262	0.000046	
	31	-0.000797	-0.000111	-0.000537	-0.000256	0.000714	0.000411	
	32	-0.000762	-0.000363	-0.000672	-0.000377	0.000706	0.000335	
	Min	-0.000856	-0.000549	-0.000672	-0.000377	0.000009	-0.000054	
	Max	-0.000762	-0.000111	-0.000537	-0.000054	0.000714	0.000411	
	Average	-0.000802	-0.000345	-0.000619	-0.000252	0.000423	0.000185	
UnBiased	24	-0.000782	-0.000195	-0.000659	-0.000303	0.000312	0.000165	
	25	-0.000775	-0.000149	-0.000775	-0.000286	0.000623	0.000126	
	33	-0.000801	-0.000287	-0.000482	-0.000244	0.001340	0.000559	
	34	-0.000799	-0.000387	-0.000318	0.000145	0.000993	0.000391	
	Min	-0.000801	-0.000387	-0.000775	-0.000303	0.000312	0.000126	
	Max	-0.000775	-0.000149	-0.000318	0.000145	0.001340	0.000559	
	Average	-0.000789	-0.000255	-0.000559	-0.000172	0.000817	0.000310	



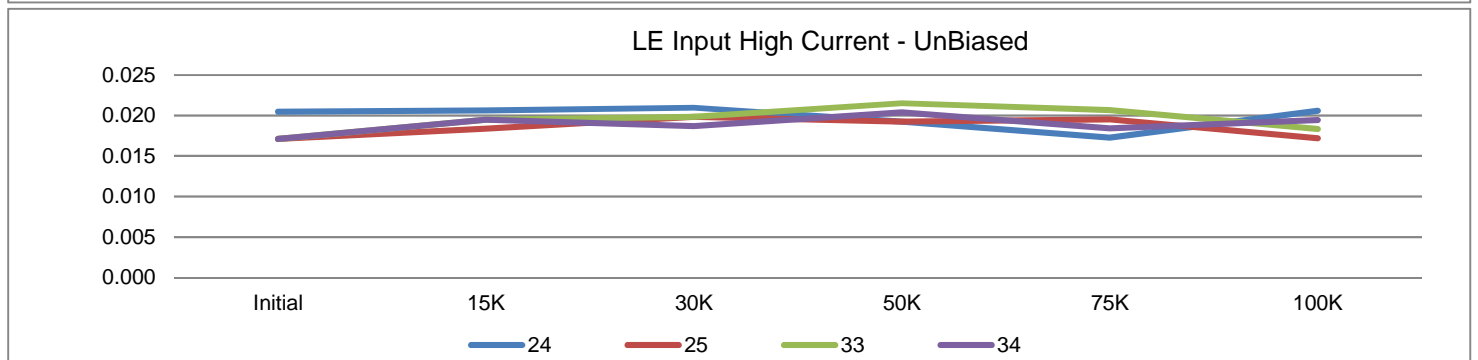
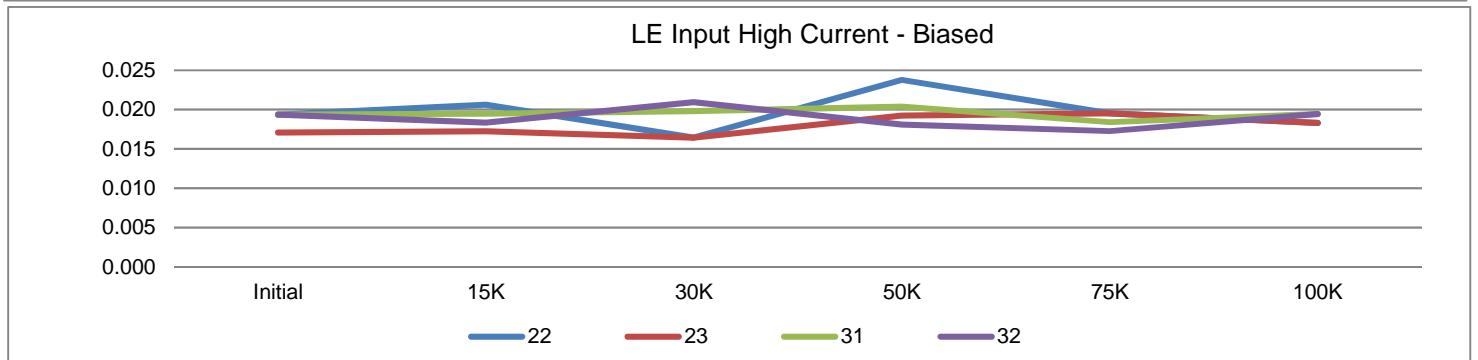
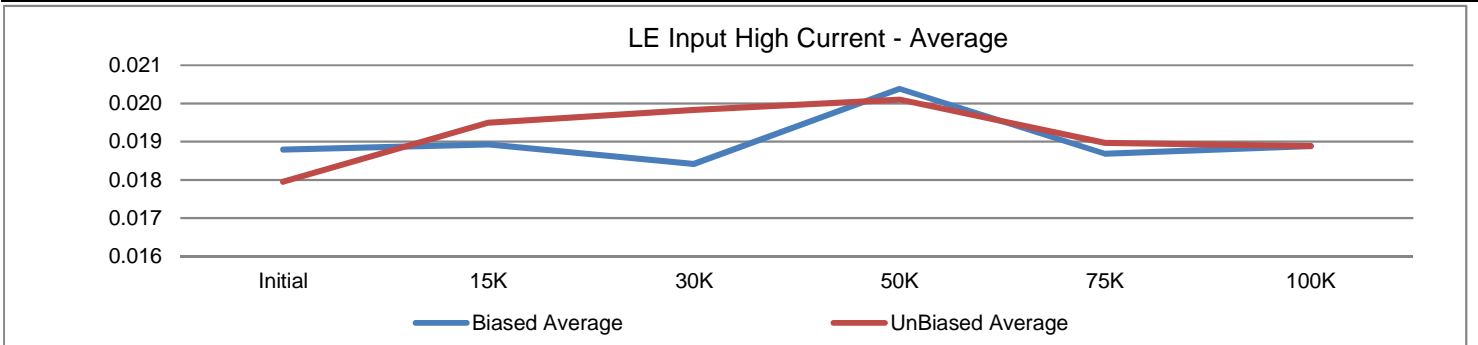
T# 19		CE Input High Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01772	0.01543	0.0149	0.01154	0.01199	0.01634	+/-1
	48	0.01884	0.0143	0.01716	0.01267	0.01537	0.01634	
Biased	22	0.0132	0.01519	0.01603	0.01605	0.01763	0.01634	
	23	0.01772	0.01744	0.01828	0.01718	0.01311	0.01521	
	31	0.01094	0.01744	0.017	0.01493	0.00973	0.01521	
	32	0.01659	0.01519	0.01603	0.01605	0.0165	0.00844	
	Min	0.0109	0.0152	0.0160	0.0149	0.0097	0.0084	
	Max	0.0177	0.0174	0.0183	0.0172	0.0176	0.0163	
	Average	0.0146	0.0163	0.0169	0.0161	0.0142	0.0138	
UnBiased	24	0.01772	0.01631	0.0149	0.01605	0.01763	0.01521	
	25	0.01659	0.01519	0.0149	0.01718	0.0165	0.01183	
	33	0.01772	0.01519	0.01377	0.01718	0.0086	0.01521	
	34	0.01772	0.01067	0.01603	0.01041	0.0165	0.01408	
	Min	0.0166	0.0107	0.0138	0.0104	0.0086	0.0118	
	Max	0.0177	0.0163	0.0160	0.0172	0.0176	0.0152	
	Average	0.0174	0.0143	0.0149	0.0152	0.0148	0.0141	



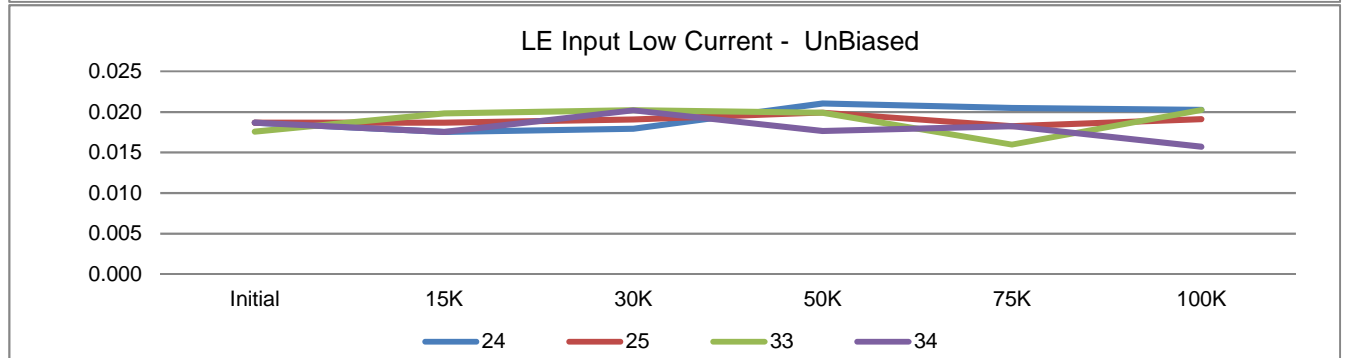
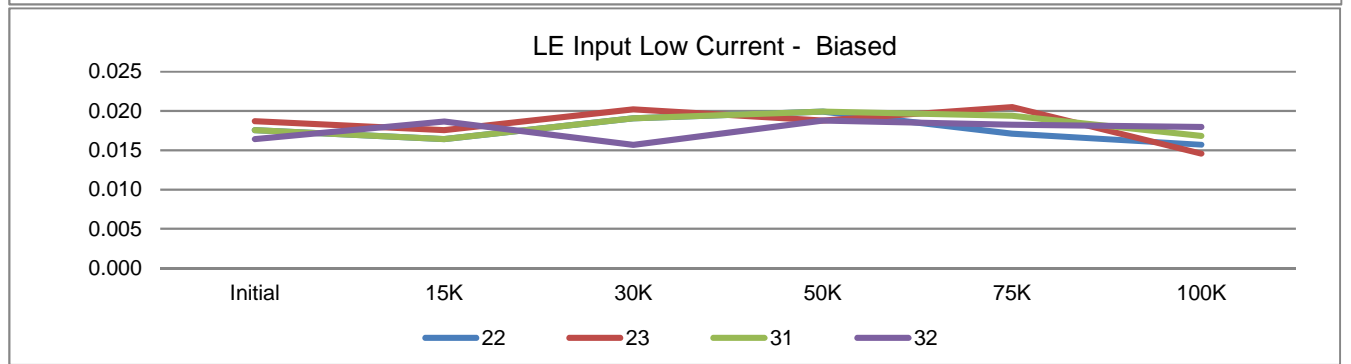
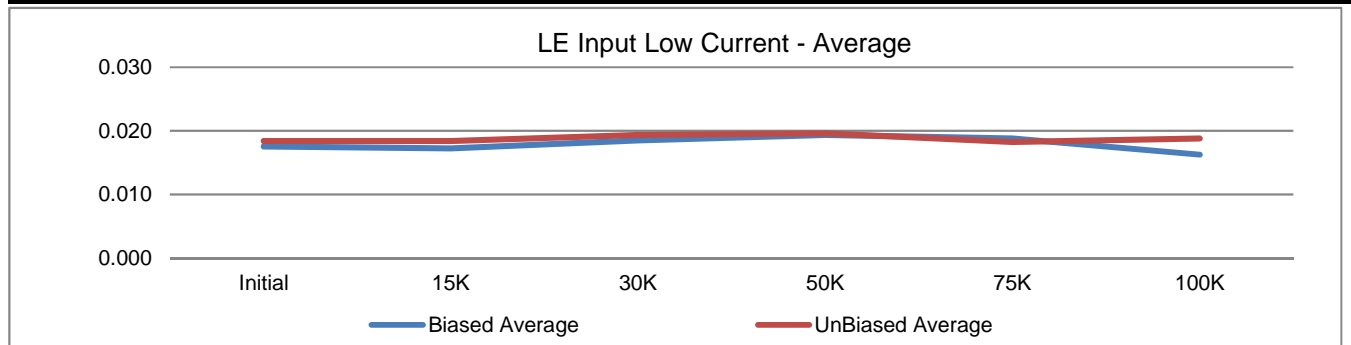
	T# 20	CE Input Low Current						uA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01551	0.01395	0.01604	0.01704	0.01056	0.015	+/-1
	48	0.02002	0.01508	0.01829	0.01591	0.0162	0.01613	
Biased	22	0.01777	0.01609	0.01829	0.01027	0.01394	0.01613	
	23	0.01664	0.01158	0.01942	0.01478	0.00943	0.01726	
	31	0.02002	0.01722	0.016	0.01478	0.01169	0.01613	
	32	0.01777	0.01722	0.01604	0.01478	0.01846	0.01839	
	Min	0.0166	0.0116	0.0160	0.0103	0.0094	0.0161	
	Max	0.0200	0.0172	0.0194	0.0148	0.0185	0.0184	
	Average	0.0181	0.0155	0.0174	0.0137	0.0134	0.0170	
UnBiased	24	0.01213	0.01835	0.01716	0.00914	0.01507	0.01613	
	25	0.01664	0.01158	0.01829	0.01478	0.01169	0.01049	
	33	0.01777	0.01497	0.01716	0.01591	0.01056	0.01162	
	34	0.02567	0.01722	0.01716	0.01591	0.01733	0.01613	
	Min	0.0121	0.0116	0.0172	0.0091	0.0106	0.0105	
	Max	0.0257	0.0184	0.0183	0.0159	0.0173	0.0161	
	Average	0.0181	0.0155	0.0174	0.0139	0.0137	0.0136	



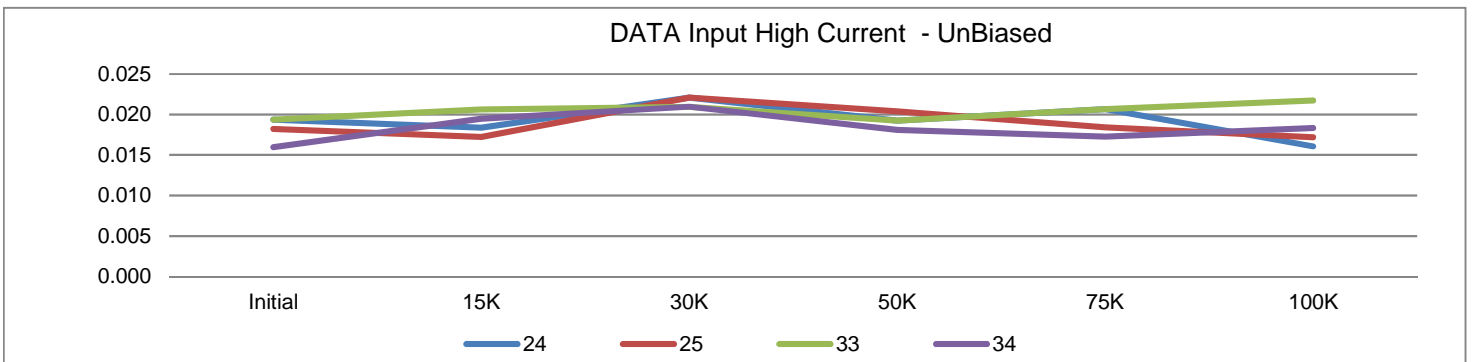
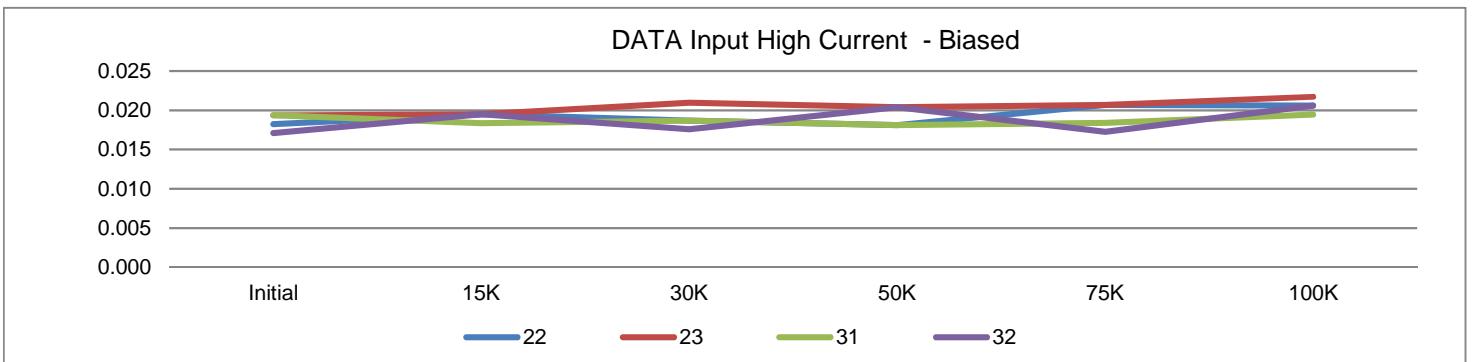
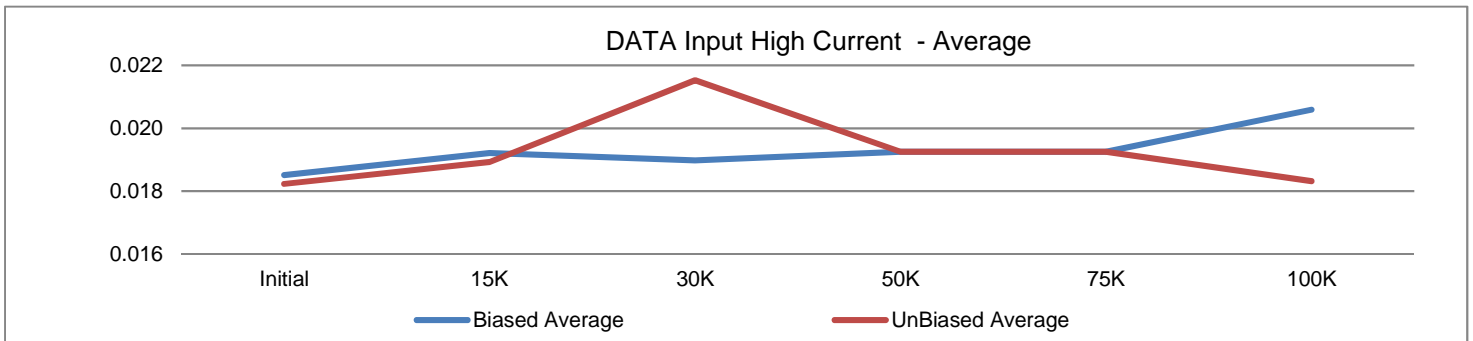
T# 21		LE Input High Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01823	0.01874	0.0187	0.02039	0.0184	0.01832	+/-1
	48	0.01936	0.01874	0.02096	0.01925	0.0184	0.01832	
Biased	22	0.01936	0.02063	0.01644	0.02378	0.01953	0.01832	
	23	0.0171	0.01723	0.01644	0.01925	0.01953	0.01832	
	31	0.01936	0.0195	0.020	0.02039	0.0184	0.01945	
	32	0.01936	0.01836	0.02096	0.01812	0.01727	0.01945	
	Min	0.0171	0.0172	0.0164	0.0181	0.0173	0.0183	
	Max	0.0194	0.0206	0.0210	0.0238	0.0195	0.0195	
	Average	0.0188	0.0189	0.0184	0.0204	0.0187	0.0189	
UnBiased	24	0.02049	0.02063	0.02096	0.01925	0.01727	0.02059	
	25	0.0171	0.01836	0.01983	0.01925	0.01953	0.01719	
	33	0.0171	0.0195	0.01983	0.02152	0.02067	0.01832	
	34	0.0171	0.0195	0.0187	0.02039	0.0184	0.01945	
	Min	0.0171	0.0184	0.0187	0.0193	0.0173	0.0172	
	Max	0.0205	0.0206	0.0210	0.0215	0.0207	0.0206	
	Average	0.0179	0.0195	0.0198	0.0201	0.0190	0.0189	



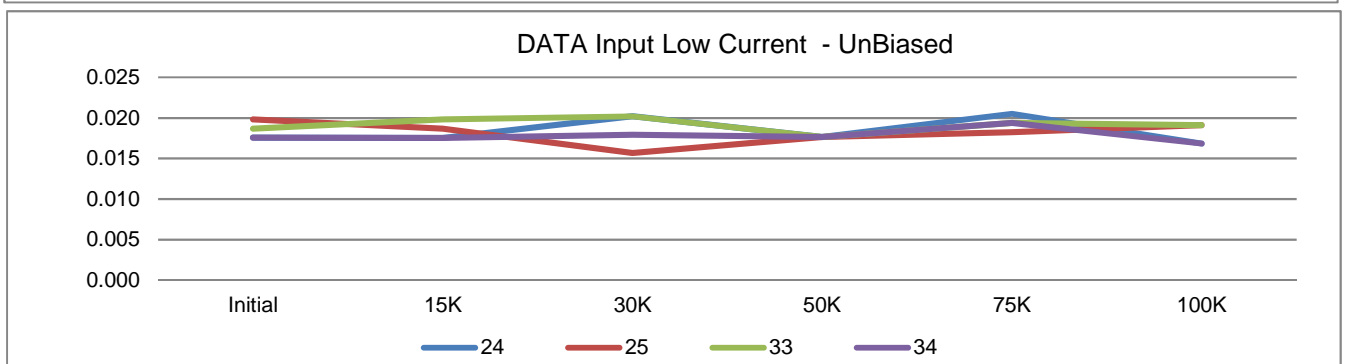
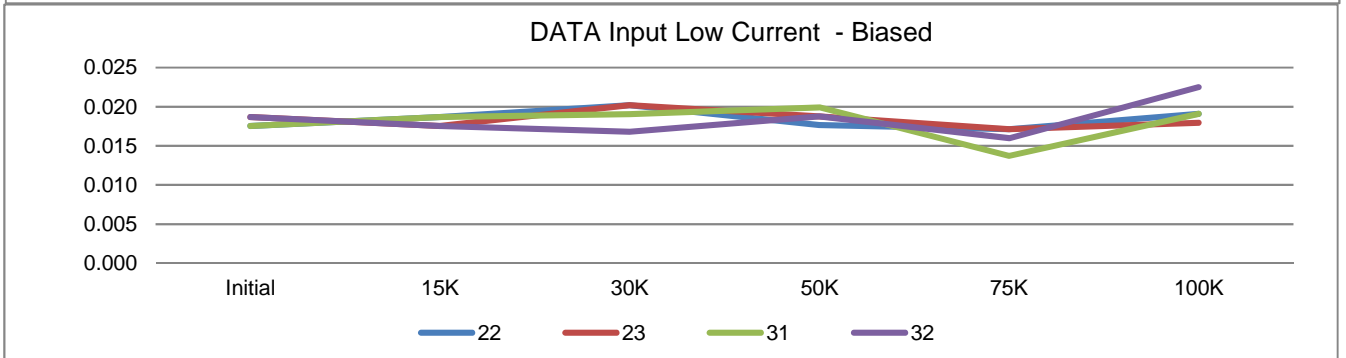
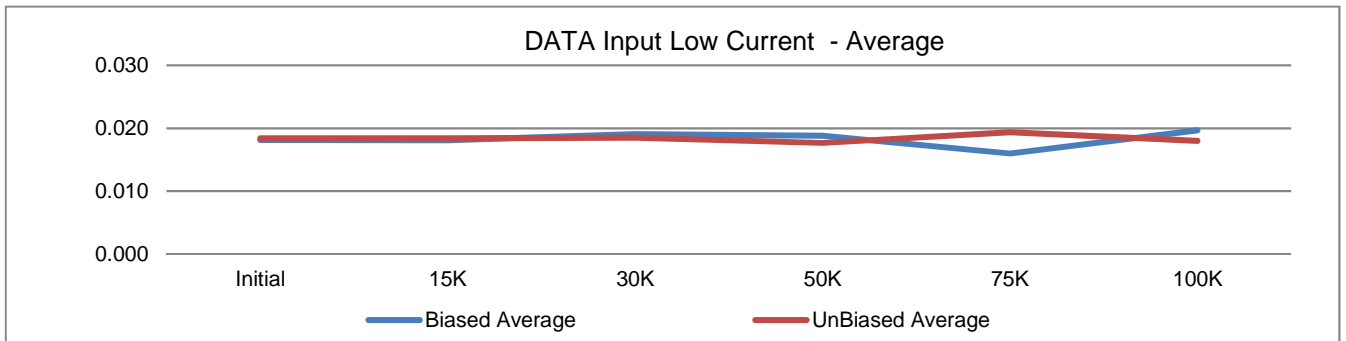
	T# 22	LE Input Low Current						uA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01869	0.01725	0.01681	0.01879	0.01598	0.01797	+/-1
	48	0.01756	0.01725	0.01907	0.01992	0.01938	0.01797	
Biased	22	0.01756	0.01641	0.01907	0.01992	0.01712	0.01571	
	23	0.01869	0.01754	0.0202	0.01879	0.02051	0.01457	
	31	0.01756	0.01641	0.019	0.01992	0.01938	0.01684	
	32	0.01643	0.01867	0.01568	0.01879	0.01825	0.01797	
	Min	0.0164	0.0164	0.0157	0.0188	0.0171	0.0146	
	Max	0.0187	0.0187	0.0202	0.0199	0.0205	0.0180	
	Average	0.0176	0.0173	0.0185	0.0194	0.0188	0.0163	
UnBiased	24	0.01869	0.01754	0.01794	0.02105	0.02051	0.02024	
	25	0.01869	0.01867	0.01907	0.01992	0.01825	0.0191	
	33	0.01756	0.01981	0.0202	0.01992	0.01598	0.02024	
	34	0.01869	0.01754	0.0202	0.01766	0.01825	0.01571	
	Min	0.0176	0.0175	0.0179	0.0177	0.0160	0.0157	
	Max	0.0187	0.0198	0.0202	0.0211	0.0205	0.0202	
	Average	0.0184	0.0184	0.0194	0.0196	0.0182	0.0188	



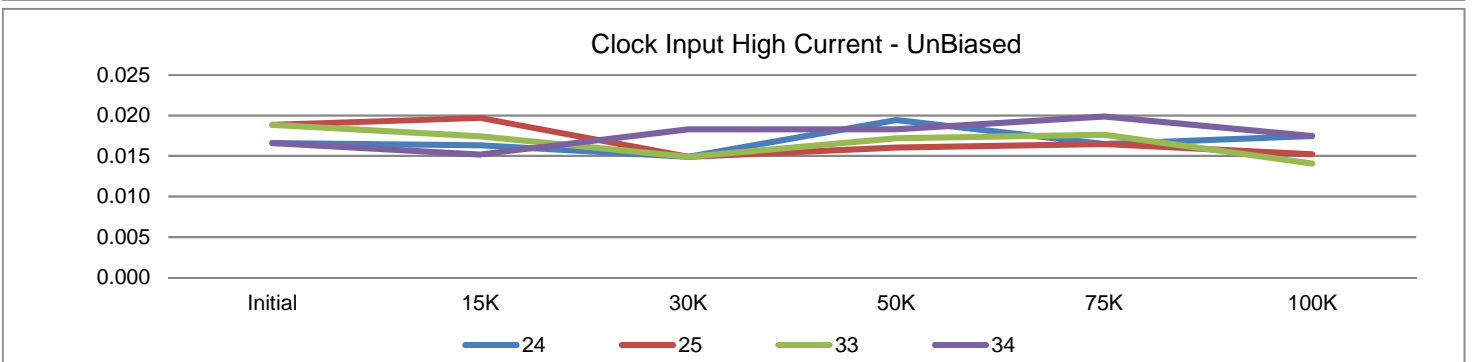
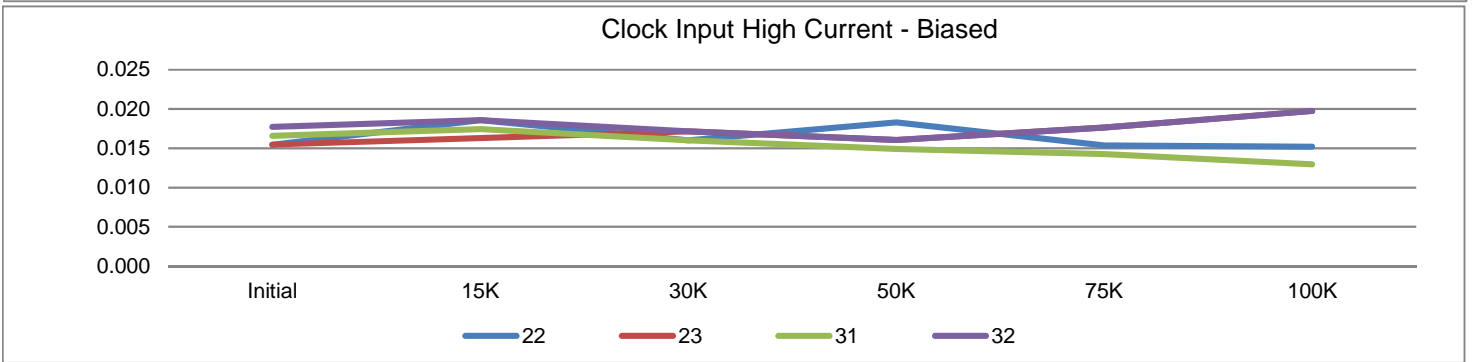
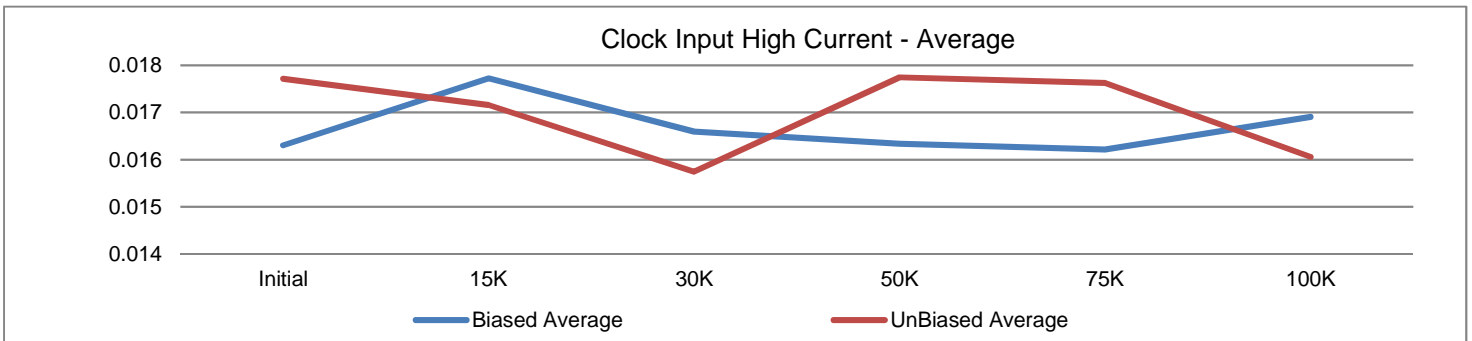
T# 23		DATA Input High Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01823	0.01987	0.02096	0.02039	0.01953	0.02059	+/-1
	48	0.01936	0.01987	0.0187	0.01925	0.0184	0.01832	
Biased	22	0.01823	0.0195	0.0187	0.01812	0.02067	0.02059	
	23	0.01936	0.0195	0.02096	0.02039	0.02067	0.02172	
	31	0.01936	0.01836	0.019	0.01812	0.0184	0.01945	
	32	0.0171	0.0195	0.01757	0.02039	0.01727	0.02059	
	Min	0.0171	0.0184	0.0176	0.0181	0.0173	0.0195	
	Max	0.0194	0.0195	0.0210	0.0204	0.0207	0.0217	
	Average	0.0185	0.0192	0.0190	0.0193	0.0193	0.0206	
UnBiased	24	0.01936	0.01836	0.02209	0.01925	0.02067	0.01606	
	25	0.01823	0.01723	0.02209	0.02039	0.0184	0.01719	
	33	0.01936	0.02063	0.02096	0.01925	0.02067	0.02172	
	34	0.01597	0.0195	0.02096	0.01812	0.01727	0.01832	
	Min	0.0160	0.0172	0.0210	0.0181	0.0173	0.0161	
	Max	0.0194	0.0206	0.0221	0.0204	0.0207	0.0217	
	Average	0.0182	0.0189	0.0215	0.0193	0.0193	0.0183	



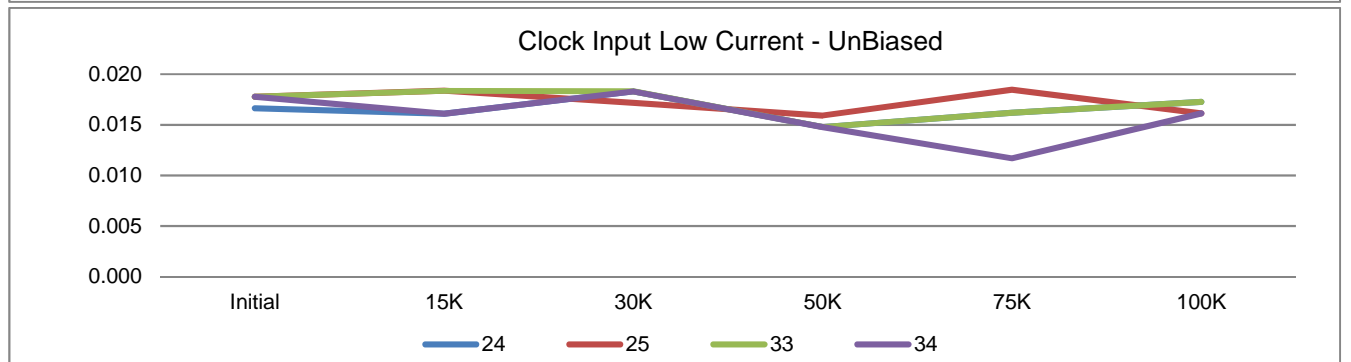
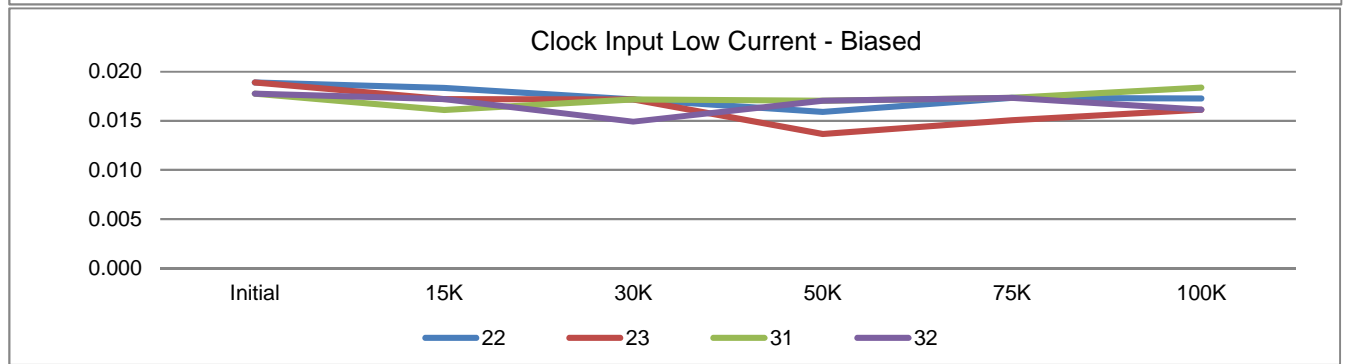
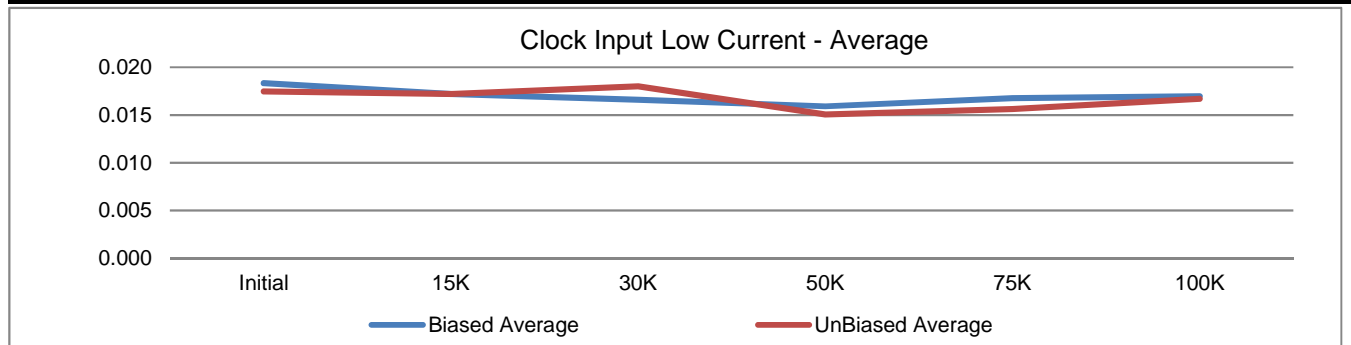
	T# 24	DATA Input Low Current						uA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01756	0.01952	0.01681	0.01766	0.01825	0.02024	+/-1
	48	0.01756	0.01725	0.01681	0.01992	0.01825	0.01571	
Biased	22	0.01756	0.01867	0.0202	0.01766	0.01712	0.0191	
	23	0.01869	0.01754	0.0202	0.01879	0.01712	0.01797	
	31	0.01756	0.01867	0.019	0.01992	0.01372	0.0191	
	32	0.01869	0.01754	0.01681	0.01879	0.01598	0.0225	
	Min	0.0176	0.0175	0.0168	0.0177	0.0137	0.0180	
	Max	0.0187	0.0187	0.0202	0.0199	0.0171	0.0225	
	Average	0.0181	0.0181	0.0191	0.0188	0.0160	0.0197	
UnBiased	24	0.01756	0.01754	0.0202	0.01766	0.02051	0.01684	
	25	0.01982	0.01867	0.01568	0.01766	0.01825	0.0191	
	33	0.01869	0.01981	0.0202	0.01766	0.01938	0.0191	
	34	0.01756	0.01754	0.01794	0.01766	0.01938	0.01684	
	Min	0.0176	0.0175	0.0157	0.0177	0.0183	0.0168	
	Max	0.0198	0.0198	0.0202	0.0177	0.0205	0.0191	
	Average	0.0184	0.0184	0.0185	0.0177	0.0194	0.0180	



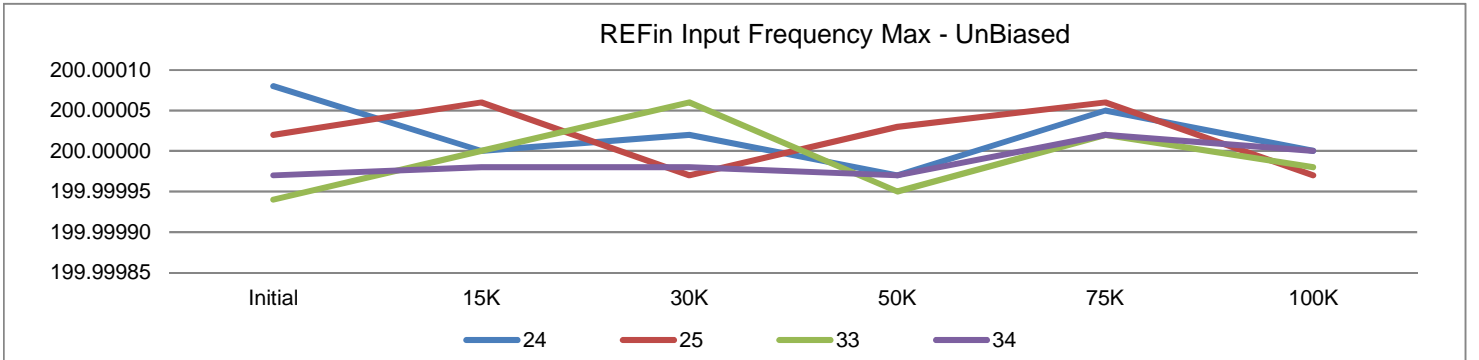
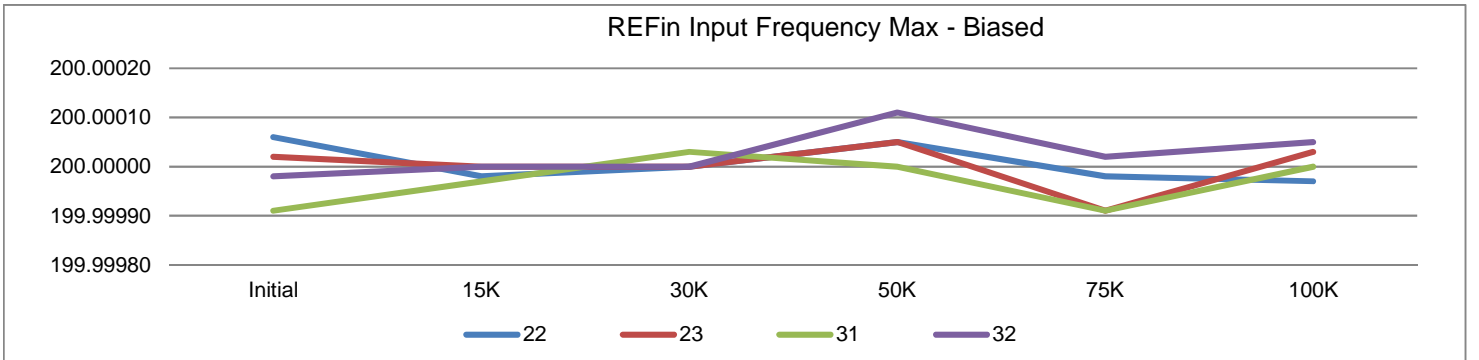
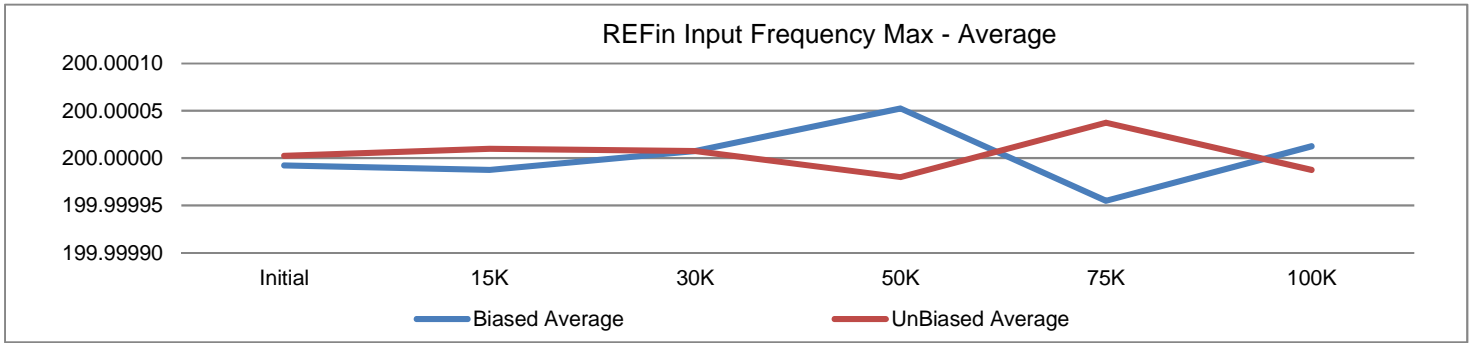
T# 25		Clock Input High Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.01772	0.01543	0.0149	0.01718	0.01537	0.01634	+/-1
	48	0.01659	0.01881	0.01603	0.01493	0.01537	0.01634	
Biased	22	0.01546	0.01857	0.01603	0.01831	0.01537	0.01521	
	23	0.01546	0.01631	0.01716	0.01605	0.01763	0.01973	
	31	0.01659	0.01744	0.016	0.01493	0.01424	0.01295	
	32	0.01772	0.01857	0.01716	0.01605	0.01763	0.01973	
	Min	0.0155	0.0163	0.0160	0.0149	0.0142	0.0130	
	Max	0.0177	0.0186	0.0172	0.0183	0.0176	0.0197	
	Average	0.0163	0.0177	0.0166	0.0163	0.0162	0.0169	
UnBiased	24	0.01659	0.01631	0.0149	0.01944	0.0165	0.01747	
	25	0.01884	0.0197	0.0149	0.01605	0.0165	0.01521	
	33	0.01884	0.01744	0.0149	0.01718	0.01763	0.01408	
	34	0.01659	0.01519	0.01828	0.01831	0.01988	0.01747	
	Min	0.0166	0.0152	0.0149	0.0161	0.0165	0.0141	
	Max	0.0188	0.0197	0.0183	0.0194	0.0199	0.0175	
	Average	0.0177	0.0172	0.0157	0.0177	0.0176	0.0161	



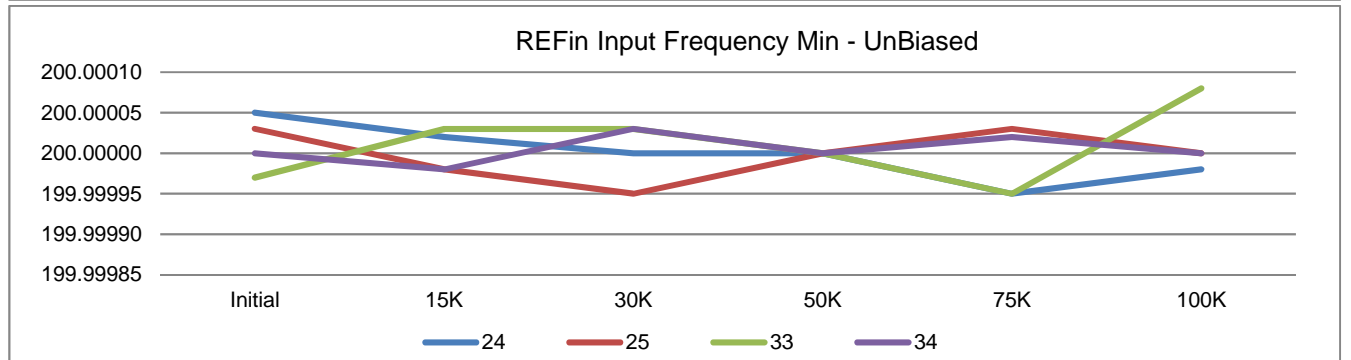
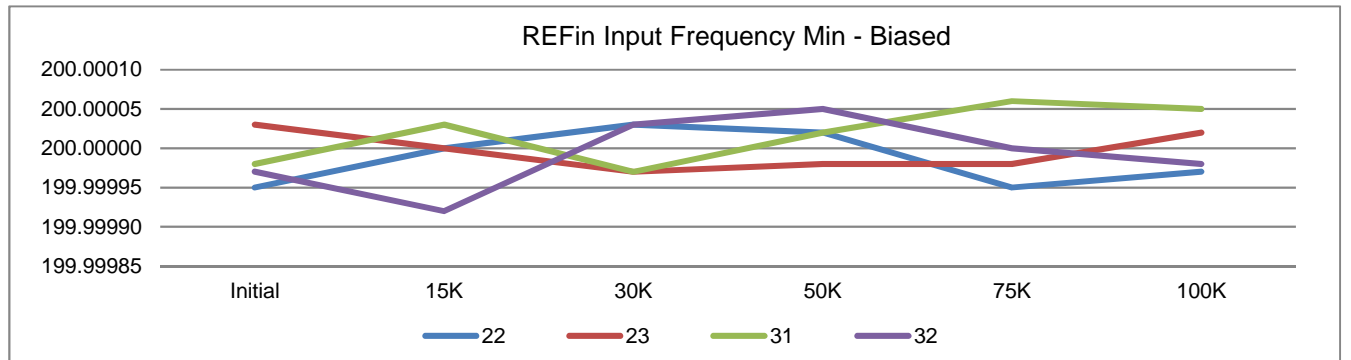
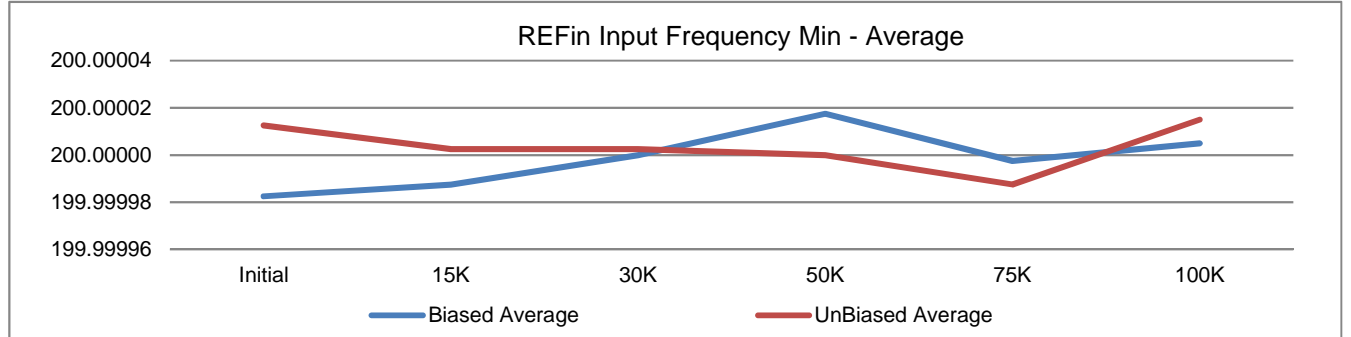
T# 26		Clock Input Low Current						uA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.0189	0.01395	0.01716	0.01591	0.01507	0.01839	+/-1
	48	0.01664	0.01621	0.01716	0.01478	0.01394	0.01726	
Biased	22	0.0189	0.01835	0.01716	0.01591	0.01733	0.01726	
	23	0.0189	0.01722	0.01716	0.01366	0.01507	0.01613	
	31	0.01777	0.01609	0.017	0.01704	0.01733	0.01839	
	32	0.01777	0.01722	0.01491	0.01704	0.01733	0.01613	
	Min	0.0178	0.0161	0.0149	0.0137	0.0151	0.0161	
	Max	0.0189	0.0184	0.0172	0.0170	0.0173	0.0184	
	Average	0.0183	0.0172	0.0166	0.0159	0.0168	0.0170	
UnBiased	24	0.01664	0.01609	0.01829	0.01478	0.0162	0.01726	
	25	0.01777	0.01835	0.01716	0.01591	0.01846	0.01613	
	33	0.01777	0.01835	0.01829	0.01478	0.0162	0.01726	
	34	0.01777	0.01609	0.01829	0.01478	0.01169	0.01613	
	Min	0.0166	0.0161	0.0172	0.0148	0.0117	0.0161	
	Max	0.0178	0.0184	0.0183	0.0159	0.0185	0.0173	
	Average	0.0175	0.0172	0.0180	0.0151	0.0156	0.0167	



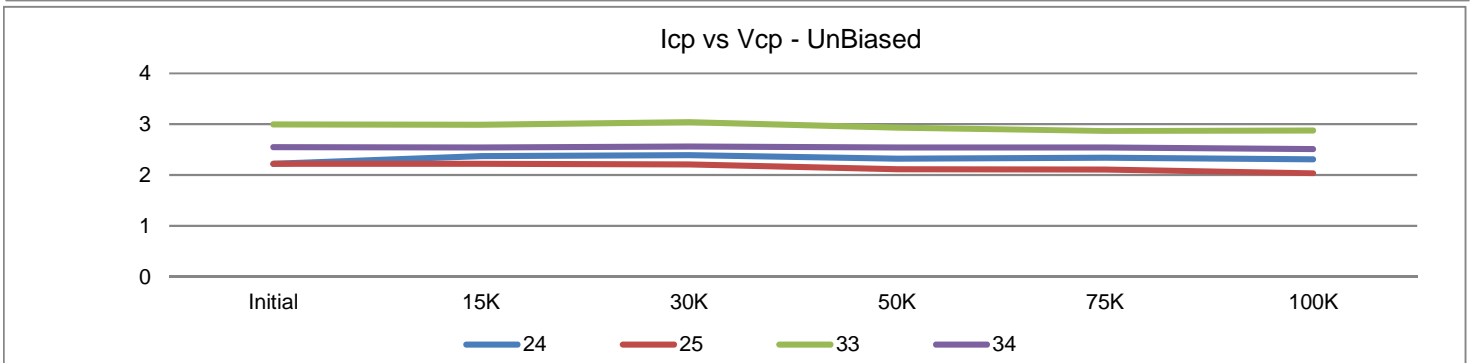
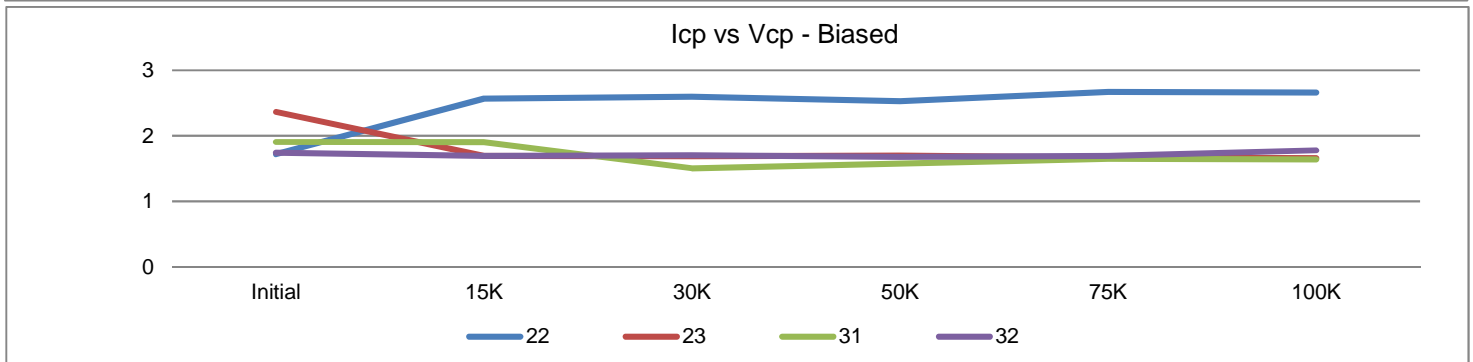
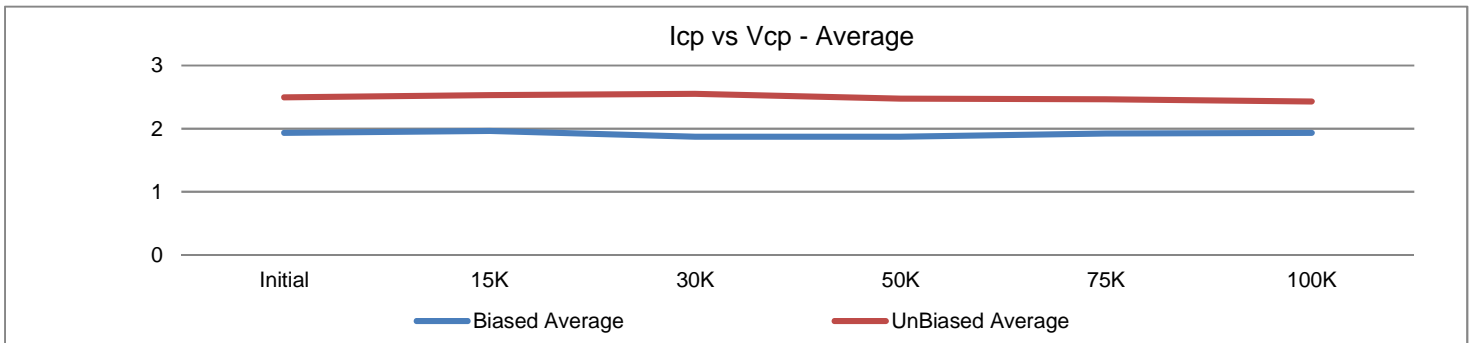
T# 27		REFin Input Frequency Max (250MHz)						kHz
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	199.99998	200.00002	200.00003	200.00008	199.99998	200.00005	See notes
	48	200.00000	199.99994	200.00006	200.00000	199.99998	200.00003	
Biased	22	200.00006	199.99998	200.00000	200.00005	199.99998	199.99997	
	23	200.00002	200.00000	200.00000	200.00005	199.99991	200.00003	
	31	199.99991	199.99997	200.00003	200.00000	199.99991	200.00000	
	32	199.99998	200.00000	200.00000	200.00011	200.00002	200.00005	
	Min	199.99991	199.99997	200.00000	200.00000	199.99991	199.99997	
	Max	200.00006	200.00000	200.00003	200.00011	200.00002	200.00005	
	Average	199.99999	199.99999	200.00001	200.00005	199.99996	200.00001	
UnBiased	24	200.00008	200.00000	200.00002	199.99997	200.00005	200.00000	
	25	200.00002	200.00006	199.99997	200.00003	200.00006	199.99997	
	33	199.99994	200.00000	200.00006	199.99995	200.00002	199.99998	
	34	199.99997	199.99998	199.99998	199.99997	200.00002	200.00000	
	Min	199.99994	199.99998	199.99997	199.99995	200.00002	199.99997	
	Max	200.00008	200.00006	200.00006	200.00003	200.00006	200.00000	
	Average	200.00000	200.00001	200.00001	199.99998	200.00004	199.99999	



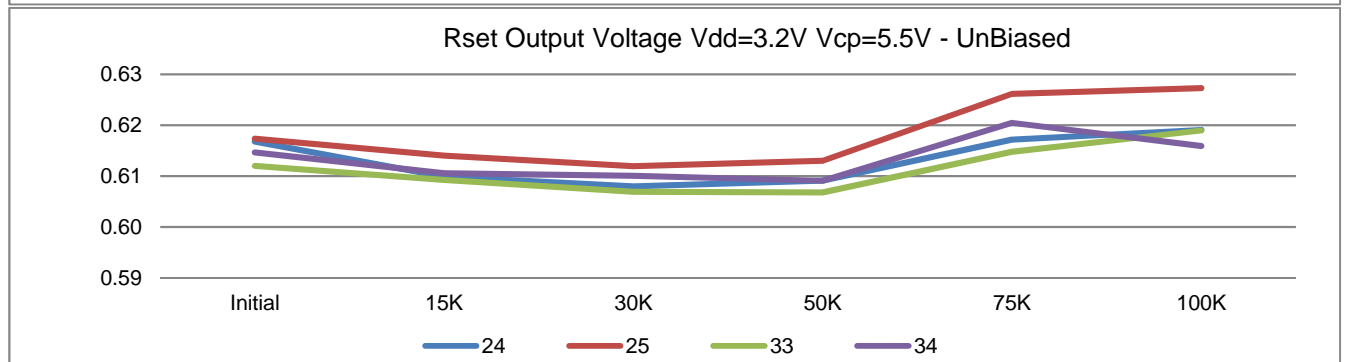
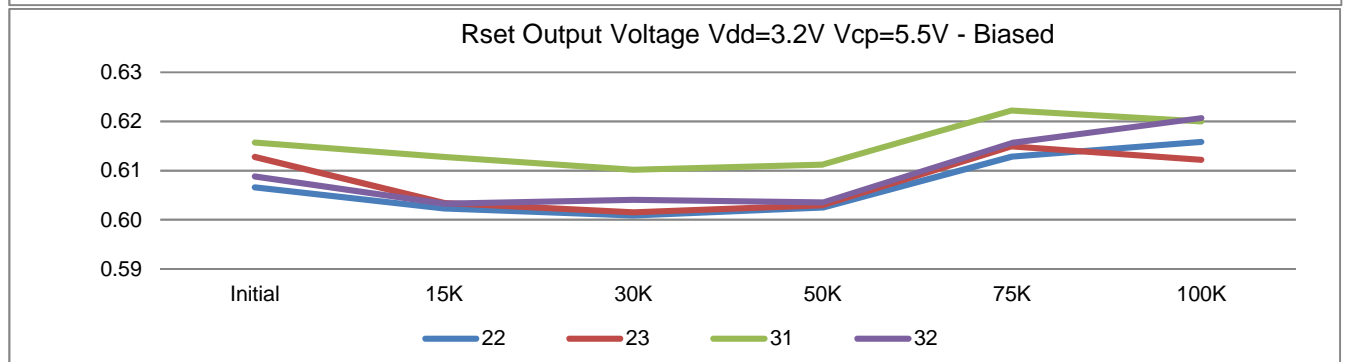
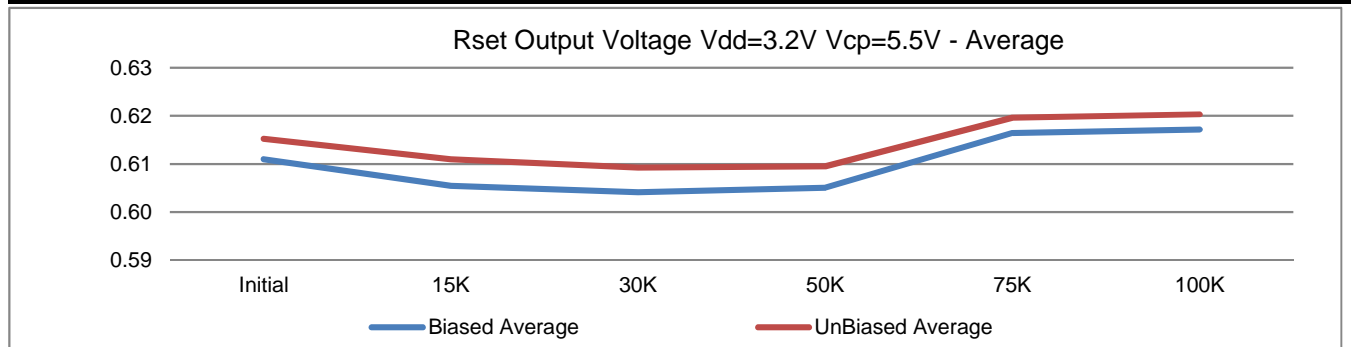
	T# 28	REFin Input Frequency Min (20MHz)						kHz
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	200.00002	200.00002	200.00003	200.00000	199.99995	199.99997	See notes
	48	199.99994	200.00000	200.00000	199.99994	200.00000	200.00005	
Biased	22	199.99995	200.00000	200.00003	200.00002	199.99995	199.99997	
	23	200.00003	200.00000	199.99997	199.99998	199.99998	200.00002	
	31	199.99998	200.00003	199.99997	200.00002	200.00006	200.00005	
	32	199.99997	199.99992	200.00003	200.00005	200.00000	199.99998	
	Min	199.99995	199.99992	199.99997	199.99998	199.99995	199.99997	
	Max	200.00003	200.00003	200.00003	200.00005	200.00006	200.00005	
	Average	199.99998	199.99999	200.00000	200.00002	200.00000	200.00001	
UnBiased	24	200.00005	200.00002	200.00000	200.00000	199.99995	199.99998	
	25	200.00003	199.99998	199.99995	200.00000	200.00003	200.00000	
	33	199.99997	200.00003	200.00003	200.00000	199.99995	200.00008	
	34	200.00000	199.99998	200.00003	200.00000	200.00002	200.00000	
	Min	199.99997	199.99998	199.99995	200.00000	199.99995	199.99998	
	Max	200.00005	200.00003	200.00003	200.00000	200.00003	200.00008	
	Average	200.00001	200.00000	200.00000	200.00000	199.99999	200.00002	



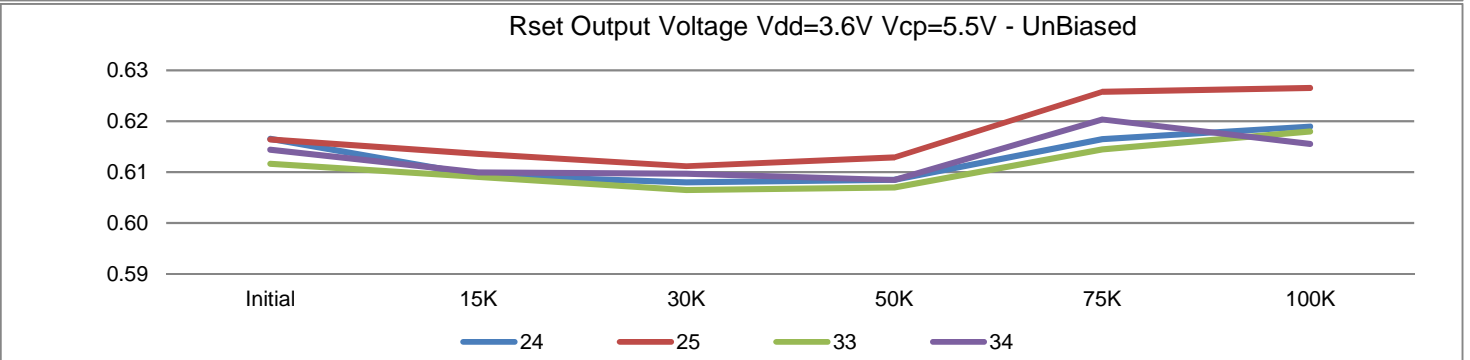
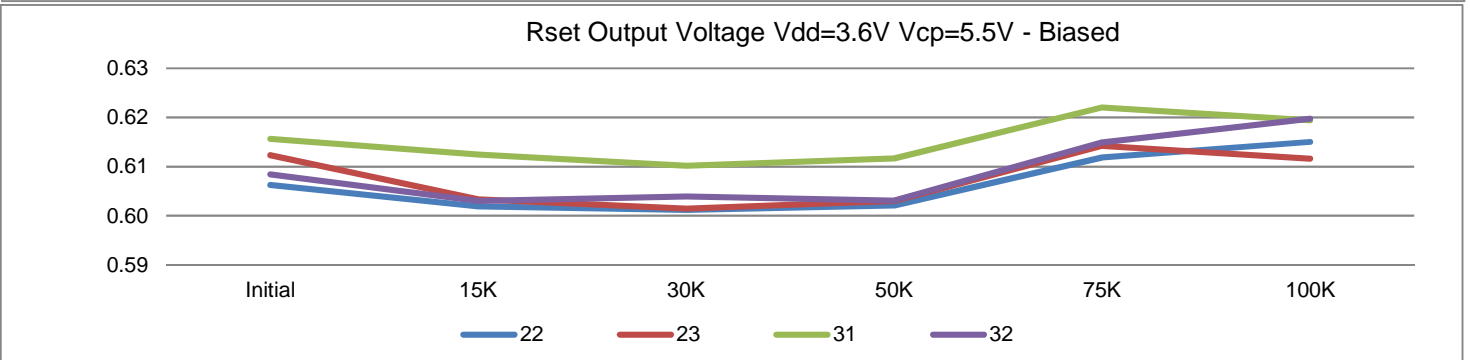
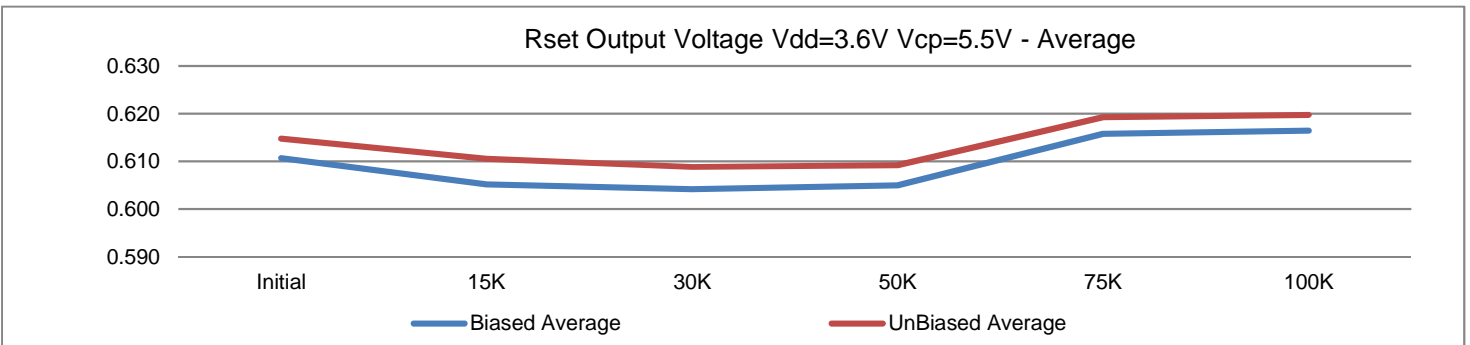
T# 29		Icp vs Vcp						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	2.36385	2.43204	2.38795	2.40696	2.41407	2.43824	+/-8
	48	2.10965	2.12479	2.03367	1.92205	2.24225	2.25059	
Biased	22	1.71943	2.56809	2.59703	2.53085	2.66897	2.65882	
	23	2.36622	1.69215	1.69054	1.69904	1.6711	1.66089	
	31	1.90534	1.90136	1.504	1.57841	1.65073	1.63928	
	32	1.74045	1.69493	1.70372	1.67963	1.69161	1.77848	
	Min	1.7194	1.6922	1.5040	1.5784	1.6507	1.6393	
	Max	2.3662	2.5681	2.5970	2.5309	2.6690	2.6588	
	Average	1.9329	1.9641	1.8738	1.8720	1.9206	1.9344	
UnBiased	24	2.21922	2.37033	2.39032	2.32478	2.34034	2.30614	
	25	2.21847	2.21786	2.21153	2.11138	2.10752	2.03568	
	33	2.99379	2.98822	3.0376	2.9311	2.86611	2.87357	
	34	2.54813	2.54494	2.56208	2.54272	2.54068	2.50932	
	Min	2.2185	2.2179	2.2115	2.1114	2.1075	2.0357	
	Max	2.9938	2.9882	3.0376	2.9311	2.8661	2.8736	
	Average	2.4949	2.5303	2.5504	2.4775	2.4637	2.4312	



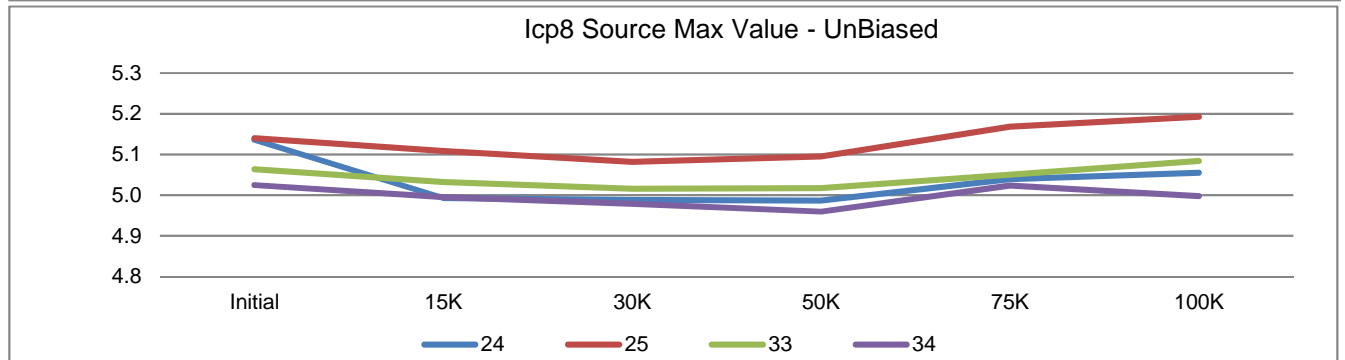
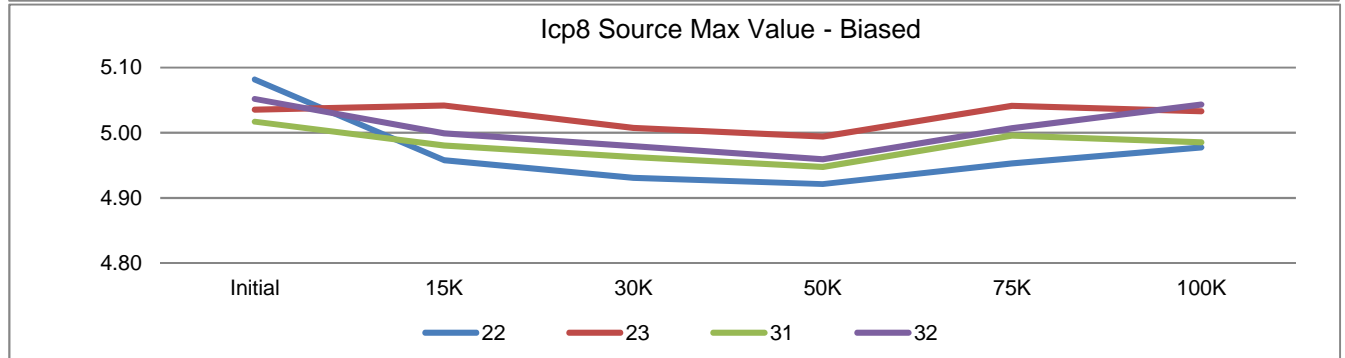
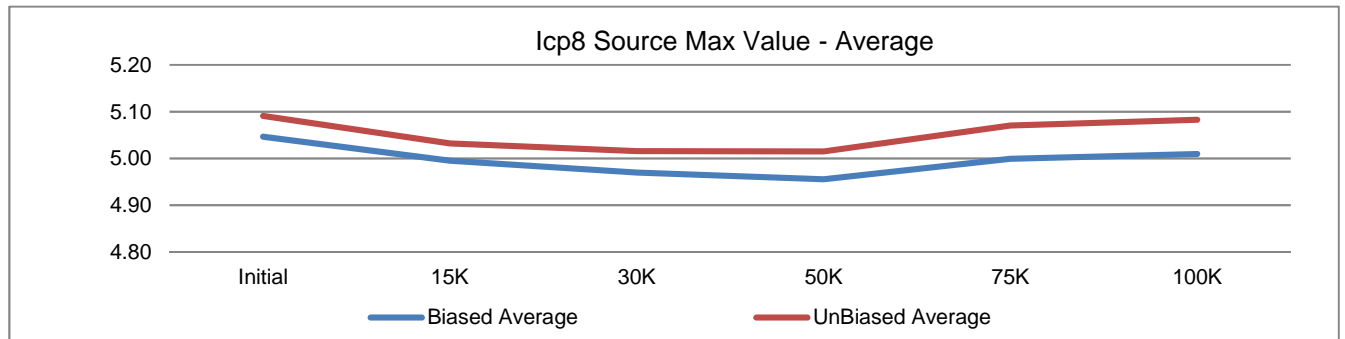
T# 30		Rset Output Voltage Vdd=3.2V Vcp=5.5V						V
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.59617	0.59059	0.59255	0.59266	0.60013	0.60617	>0.5
	48	0.60231	0.59725	0.59805	0.60655	0.60961	0.61328	<0.7
Biased	22	0.6066	0.6023	0.60087	0.60245	0.61287	0.61584	
	23	0.61275	0.60339	0.60151	0.60296	0.61492	0.61219	
	31	0.61569	0.6128	0.610	0.61122	0.62222	0.62	
	32	0.60878	0.60326	0.60401	0.60354	0.61562	0.6207	
	Min	0.6066	0.6023	0.6009	0.6025	0.6129	0.6122	
	Max	0.6157	0.6128	0.6102	0.6112	0.6222	0.6207	
	Average	0.6110	0.6054	0.6041	0.6050	0.6164	0.6172	
UnBiased	24	0.61678	0.60992	0.60798	0.60911	0.61716	0.6191	
	25	0.61736	0.61402	0.61195	0.61302	0.62619	0.6273	
	33	0.61205	0.60928	0.60695	0.60681	0.61479	0.61897	
	34	0.61467	0.61056	0.61009	0.60911	0.62049	0.6159	
	Min	0.6121	0.6093	0.6070	0.6068	0.6148	0.6159	
	Max	0.6174	0.6140	0.6120	0.6130	0.6262	0.6273	
	Average	0.6152	0.6109	0.6092	0.6095	0.6197	0.6203	



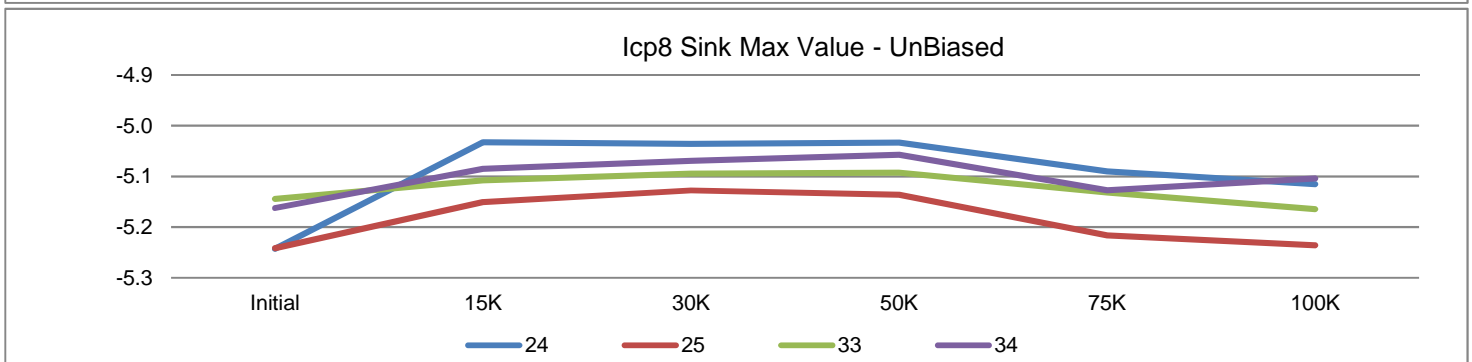
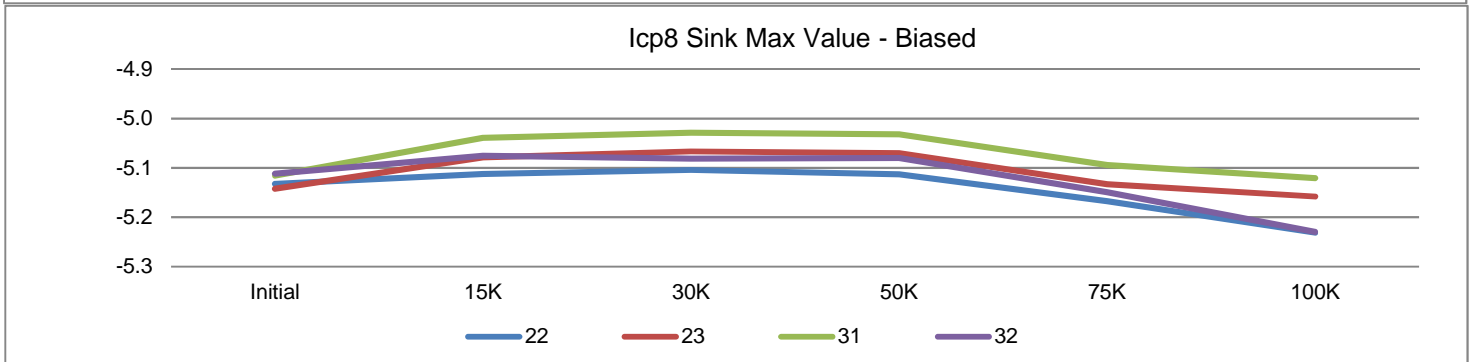
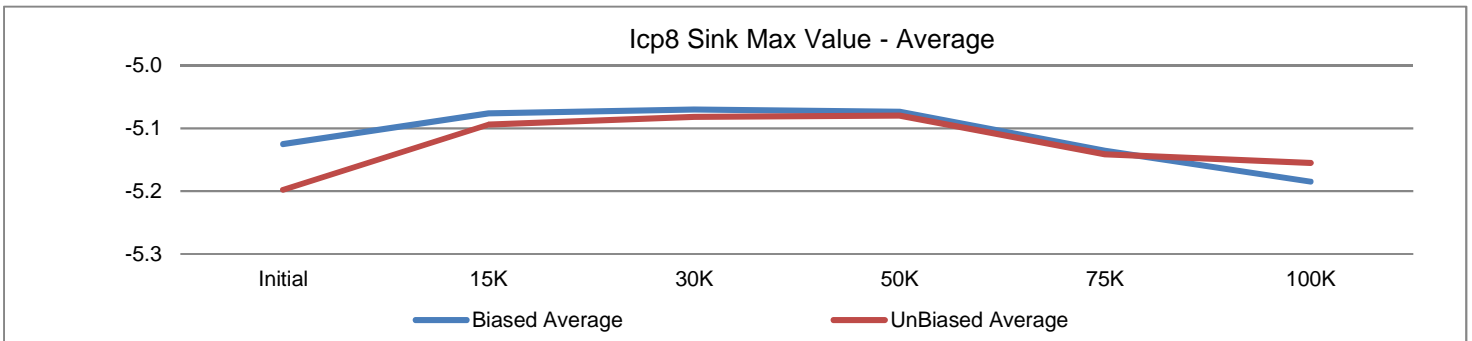
T# 31		Rset Output Voltage Vdd=3.6V Vcp=5.5V						V
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.5954	0.59008	0.59229	0.59278	0.60013	0.60502	>0.5
	48	0.60167	0.59821	0.59754	0.60636	0.60871	0.61219	<0.7
Biased	22	0.60628	0.60192	0.60119	0.60207	0.61185	0.61501	
	23	0.6123	0.60332	0.60145	0.60303	0.61422	0.61161	
	31	0.61563	0.61242	0.610	0.61167	0.62203	0.61942	
	32	0.6084	0.603	0.60394	0.60309	0.61492	0.61974	
	Min	0.6063	0.6019	0.6012	0.6021	0.6119	0.6116	
	Max	0.6156	0.6124	0.6102	0.6117	0.6220	0.6197	
	Average	0.6107	0.6052	0.6042	0.6050	0.6158	0.6164	
UnBiased	24	0.61653	0.60941	0.60798	0.60853	0.61646	0.61897	
	25	0.6164	0.61363	0.61118	0.61289	0.6258	0.62653	
	33	0.61166	0.60909	0.6065	0.607	0.61447	0.61801	
	34	0.61441	0.60998	0.6097	0.60847	0.62036	0.61552	
	Min	0.6117	0.6091	0.6065	0.6070	0.6145	0.6155	
	Max	0.6165	0.6136	0.6112	0.6129	0.6258	0.6265	
	Average	0.6148	0.6105	0.6088	0.6092	0.6193	0.6198	



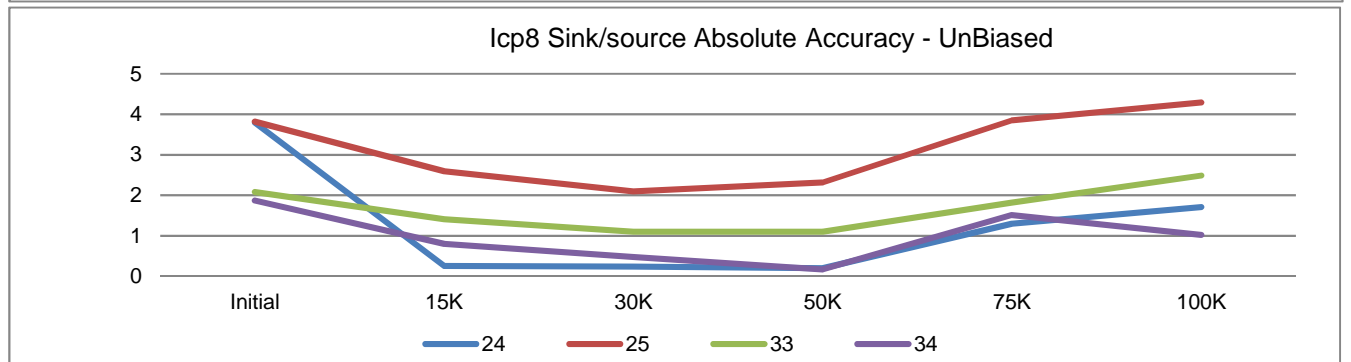
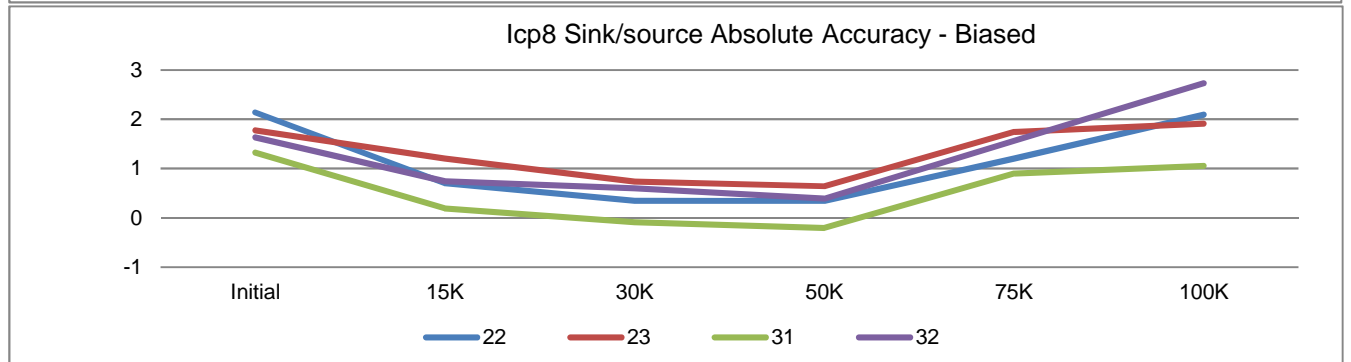
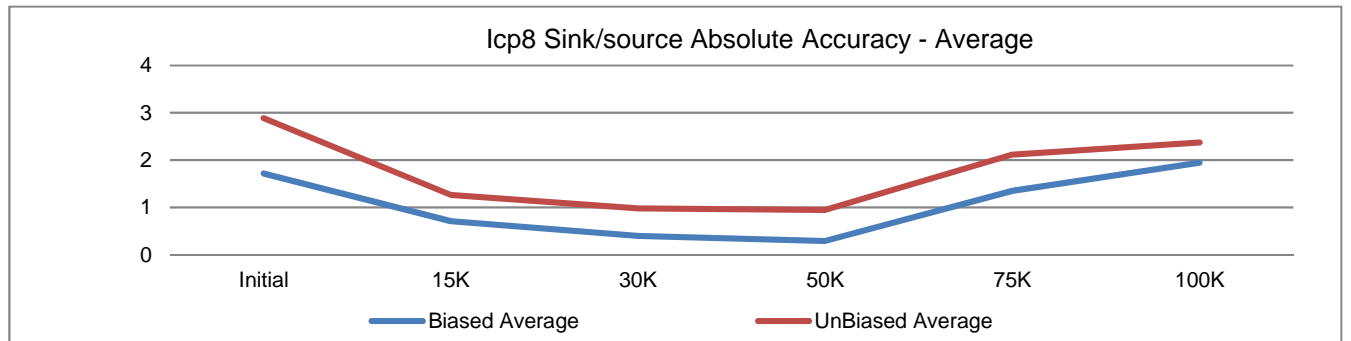
	T# 32	Icp8 Source Max Value						mA
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	4.94466	4.849	4.87315	4.87644	4.91739	4.9627	>2.5
	48	4.92601	4.79502	5.03017	4.99596	4.87545	4.90963	<7.5
Biased	22	5.08186	4.95814	4.93096	4.92142	4.953	4.97762	
	23	5.0356	5.04196	5.00744	4.99423	5.04127	5.03326	
	31	5.01704	4.98065	4.963	4.94775	4.99594	4.9853	
	32	5.0519	4.99936	4.97945	4.95944	5.0072	5.04332	
	Min	5.0170	4.9581	4.9310	4.9214	4.9530	4.9776	
	Max	5.0819	5.0420	5.0074	4.9942	5.0413	5.0433	
	Average	5.0466	4.9950	4.9702	4.9557	4.9994	5.0099	
UnBiased	24	5.13612	4.99325	4.9881	4.98684	5.03923	5.05554	
	25	5.13982	5.10863	5.0817	5.09547	5.16869	5.19262	
	33	5.06362	5.03265	5.01572	5.01752	5.05042	5.08416	
	34	5.02497	4.99513	4.9786	4.95972	5.02365	4.99796	
	Min	5.0250	4.9933	4.9786	4.9597	5.0237	4.9980	
	Max	5.1398	5.1086	5.0817	5.0955	5.1687	5.1926	
	Average	5.0911	5.0324	5.0160	5.0149	5.0705	5.0826	



T# 33		Icp8 Sink Max Value						mA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-5.05204	-4.92354	-4.94951	-4.95482	-4.99523	-5.0427	>-7.5
	48	-5.00863	-4.95329	-5.08828	-5.10972	-5.03695	-5.07157	<-2.5
Biased	22	-5.13207	-5.11219	-5.10414	-5.11311	-5.16722	-5.23137	
	23	-5.14197	-5.07868	-5.06656	-5.0701	-5.13271	-5.15792	
	31	-5.11542	-5.0389	-5.029	-5.03208	-5.09406	-5.12047	
	32	-5.11138	-5.07507	-5.08095	-5.07982	-5.14914	-5.22977	
	Min	-5.1420	-5.1122	-5.1041	-5.1131	-5.1672	-5.2314	
	Max	-5.1114	-5.0389	-5.0287	-5.0321	-5.0941	-5.1205	
	Average	-5.1252	-5.0762	-5.0701	-5.0738	-5.1358	-5.1849	
UnBiased	24	-5.243	-5.03285	-5.03612	-5.03327	-5.0904	-5.11529	
	25	-5.24172	-5.15096	-5.12781	-5.13627	-5.21644	-5.23623	
	33	-5.14436	-5.10798	-5.09433	-5.09286	-5.1318	-5.16469	
	34	-5.16241	-5.08532	-5.06941	-5.05741	-5.12726	-5.1041	
	Min	-5.2430	-5.1510	-5.1278	-5.1363	-5.2164	-5.2362	
	Max	-5.1444	-5.0329	-5.0361	-5.0333	-5.0904	-5.1041	
	Average	-5.1979	-5.0943	-5.0819	-5.0800	-5.1415	-5.1551	

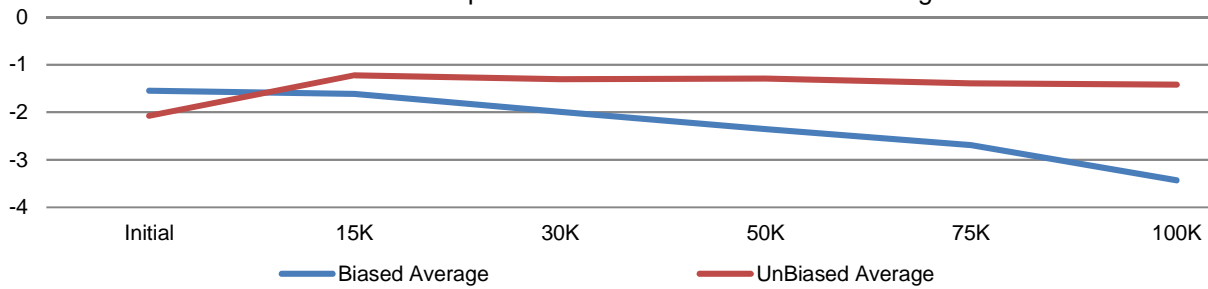


T# 34		Icp8 Sink/source Absolute Accuracy						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.03296	-2.2746	-1.77338	-1.68735	-0.87379	0.05393	+/-10%
	48	-0.6536	-2.5169	1.18451	1.0568	-0.87599	-0.18806	
Biased	22	2.13931	0.70324	0.351	0.34529	1.20222	2.08983	
	23	1.7757	1.20635	0.74001	0.64337	1.7398	1.91179	
	31	1.32463	0.19543	-0.084	-0.20165	0.90005	1.05762	
	32	1.63276	0.74431	0.60397	0.39262	1.56332	2.73085	
	Min	1.3246	0.1954	-0.0841	-0.2017	0.9001	1.0576	
	Max	2.1393	1.2064	0.7400	0.6434	1.7398	2.7309	
	Average	1.7181	0.7123	0.4027	0.2949	1.3513	1.9475	
UnBiased	24	3.79124	0.26094	0.24223	0.20111	1.29626	1.70836	
	25	3.81538	2.59594	2.09514	2.31745	3.85123	4.28842	
	33	2.07976	1.40634	1.1005	1.10381	1.82224	2.48855	
	34	1.87381	0.80449	0.48015	0.17134	1.5091	1.02063	
	Min	1.8738	0.2609	0.2422	0.1713	1.2963	1.0206	
	Max	3.8154	2.5959	2.0951	2.3175	3.8512	4.2884	
	Average	2.8900	1.2669	0.9795	0.9484	2.1197	2.3765	

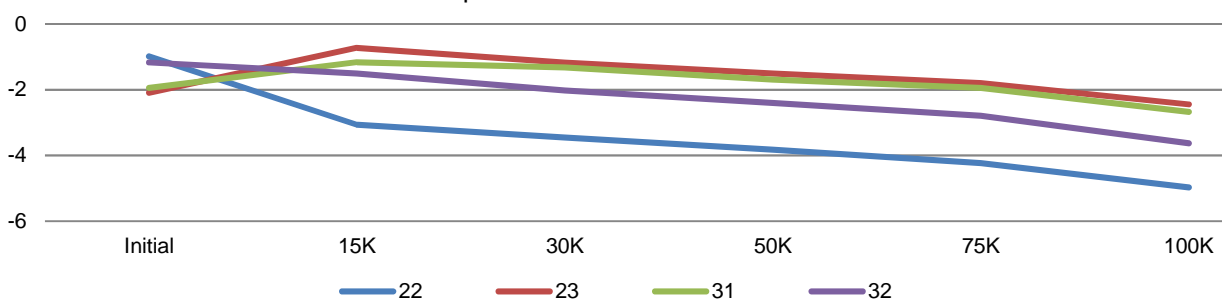


T# 35		Icp8 Sink/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-2.14835	-1.52542	-1.55469	-1.59446	-1.57052	-1.59916	+/-10
	48	-1.66325	-3.24695	-1.14863	-2.2515	-3.25856	-3.24488	
Biased	22	-0.98311	-3.05942	-3.45161	-3.82052	-4.23359	-4.97112	
	23	-2.09046	-0.72559	-1.17362	-1.5077	-1.7976	-2.4466	
	31	-1.94199	-1.16277	-1.317	-1.69007	-1.9449	-2.6751	
	32	-1.1706	-1.50305	-2.01773	-2.39815	-2.79513	-3.62989	
	Min	-2.0905	-3.0594	-3.4516	-3.8205	-4.2336	-4.9711	
	Max	-0.9831	-0.7256	-1.1736	-1.5077	-1.7976	-2.4466	
	Average	-1.5465	-1.6127	-1.9900	-2.3541	-2.6928	-3.4307	
UnBiased	24	-2.05953	-0.78995	-0.95804	-0.9269	-1.0102	-1.17496	
	25	-1.96303	-0.82514	-0.9032	-0.79745	-0.91955	-0.83631	
	33	-1.58186	-1.48582	-1.55514	-1.49029	-1.59851	-1.57157	
	34	-2.69829	-1.78948	-1.80746	-1.95037	-2.04131	-2.10142	
	Min	-2.6983	-1.7895	-1.8075	-1.9504	-2.0413	-2.1014	
	Max	-1.5819	-0.7900	-0.9032	-0.7975	-0.9196	-0.8363	
	Average	-2.0757	-1.2226	-1.3060	-1.2913	-1.3924	-1.4211	

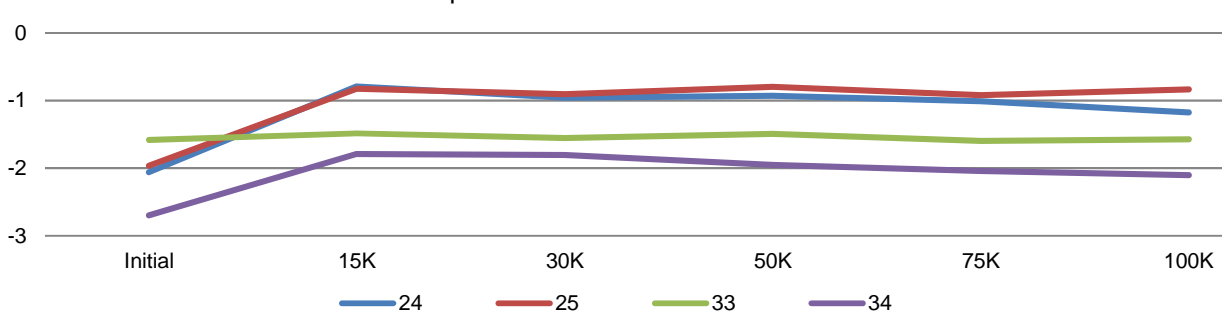
Icp8 Sink/Source Current Match - Average



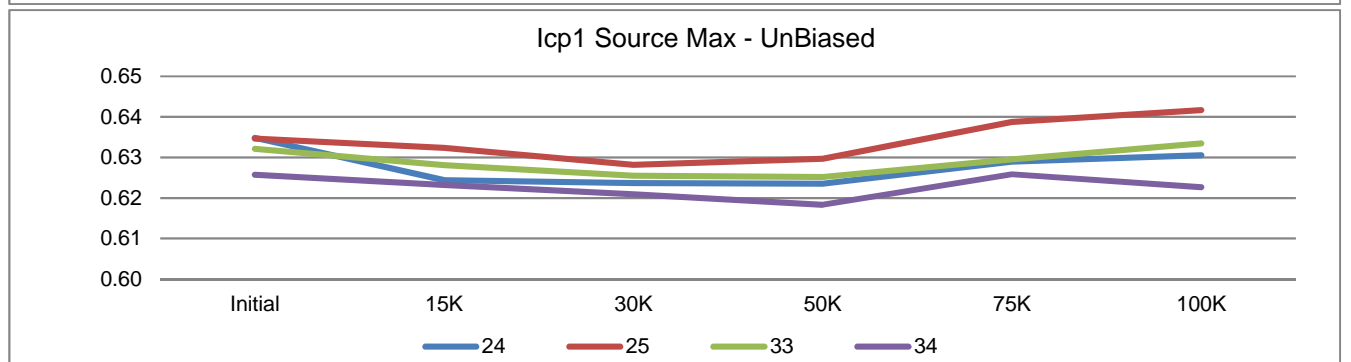
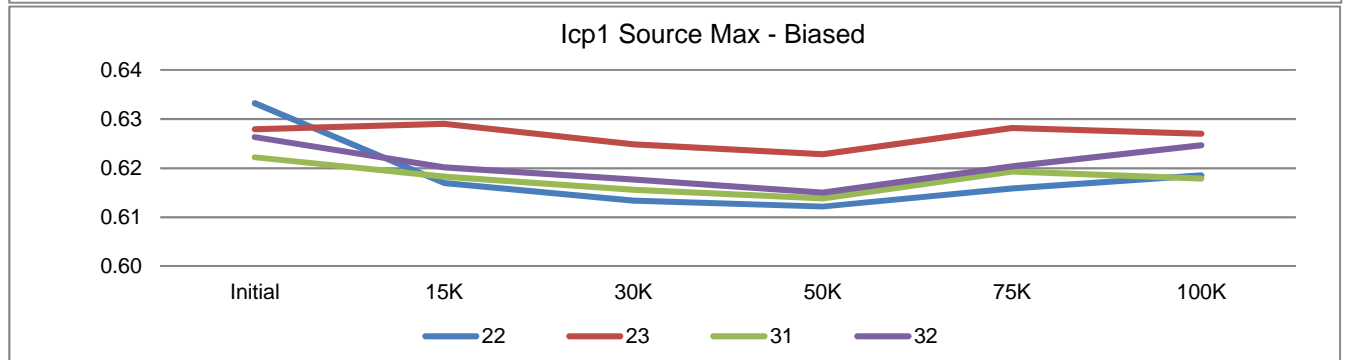
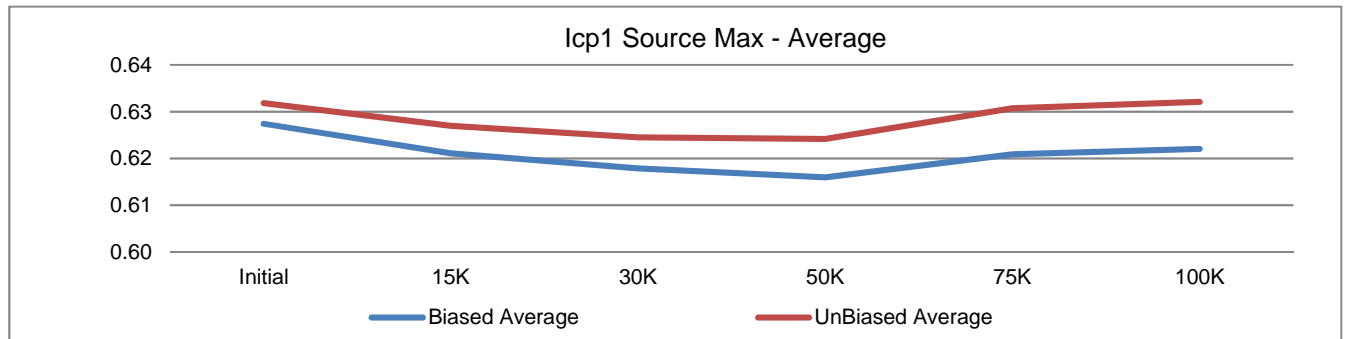
Icp8 Sink/Source Current Match - Biased



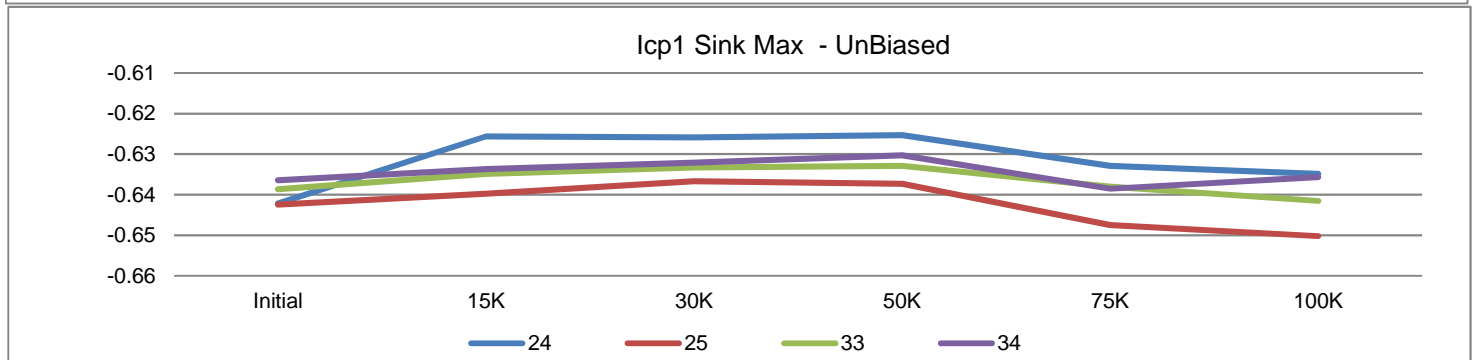
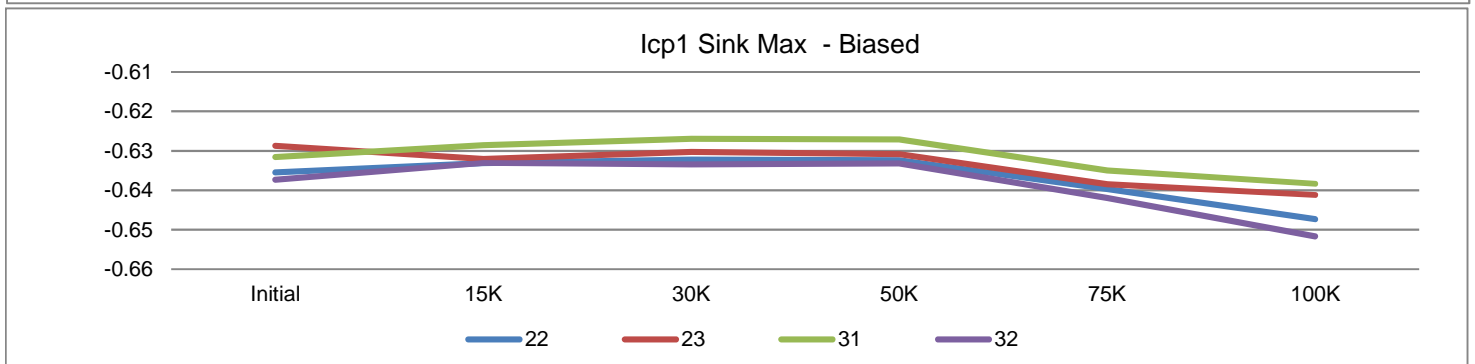
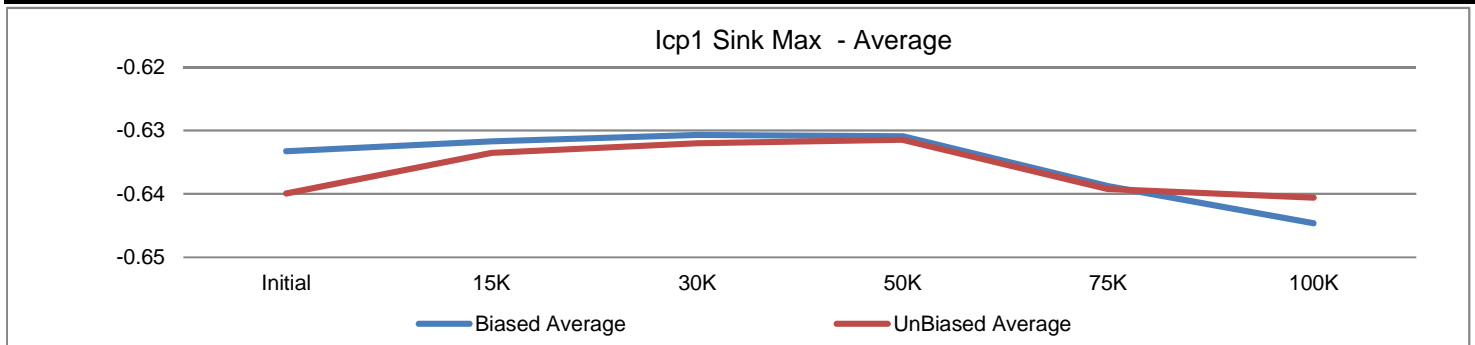
Icp8 Sink/Source Current Match - UnBiased



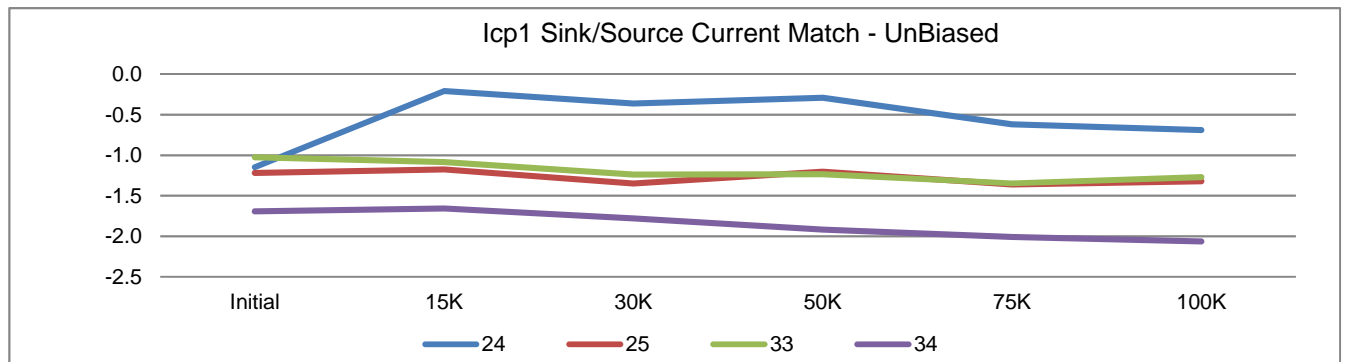
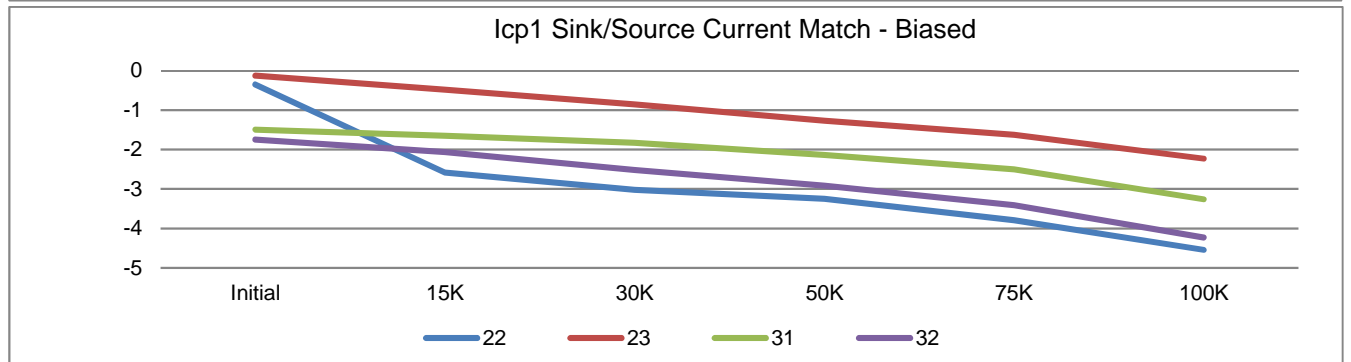
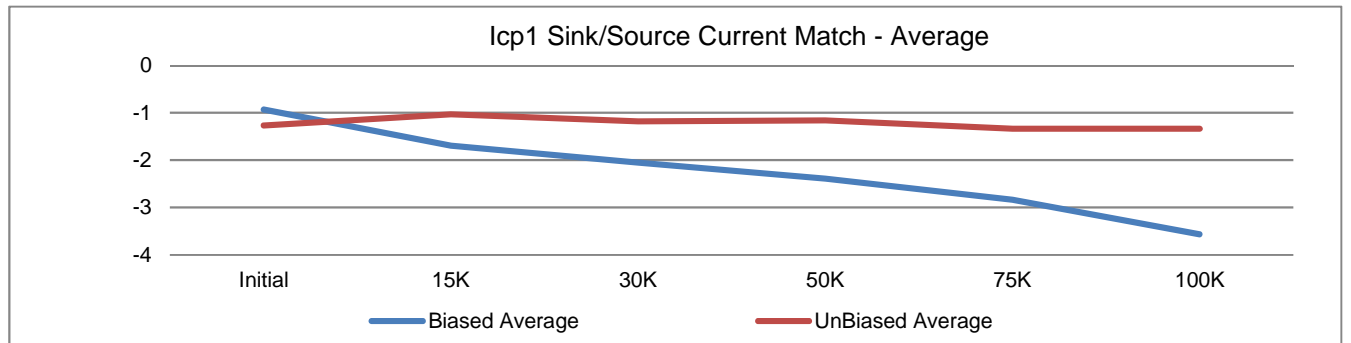
T# 36		Icp1 Source Max						mA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	0.61313	0.60205	0.60465	0.60547	0.61054	0.6158	>0.125
	48	0.61219	0.59559	0.62819	0.62039	0.60638	0.60994	<1.25
Biased	22	0.63322	0.61697	0.61337	0.61218	0.61584	0.61856	
	23	0.62789	0.62901	0.62487	0.62284	0.62816	0.62702	
	31	0.62222	0.61826	0.616	0.61384	0.61932	0.61787	
	32	0.62633	0.62014	0.61766	0.615	0.62039	0.62467	
	Min	0.6222	0.6170	0.6134	0.6122	0.6158	0.6179	
	Max	0.6332	0.6290	0.6249	0.6228	0.6282	0.6270	
	Average	0.6274	0.6211	0.6179	0.6160	0.6209	0.6220	
UnBiased	24	0.63482	0.62437	0.62365	0.62353	0.62898	0.63053	
	25	0.63466	0.63233	0.62816	0.6297	0.63876	0.64169	
	33	0.63213	0.62807	0.62547	0.62516	0.62948	0.63345	
	34	0.62576	0.62324	0.62092	0.61833	0.62584	0.62269	
	Min	0.6258	0.6232	0.6209	0.6183	0.6258	0.6227	
	Max	0.6348	0.6323	0.6282	0.6297	0.6388	0.6417	
	Average	0.6318	0.6270	0.6246	0.6242	0.6308	0.6321	



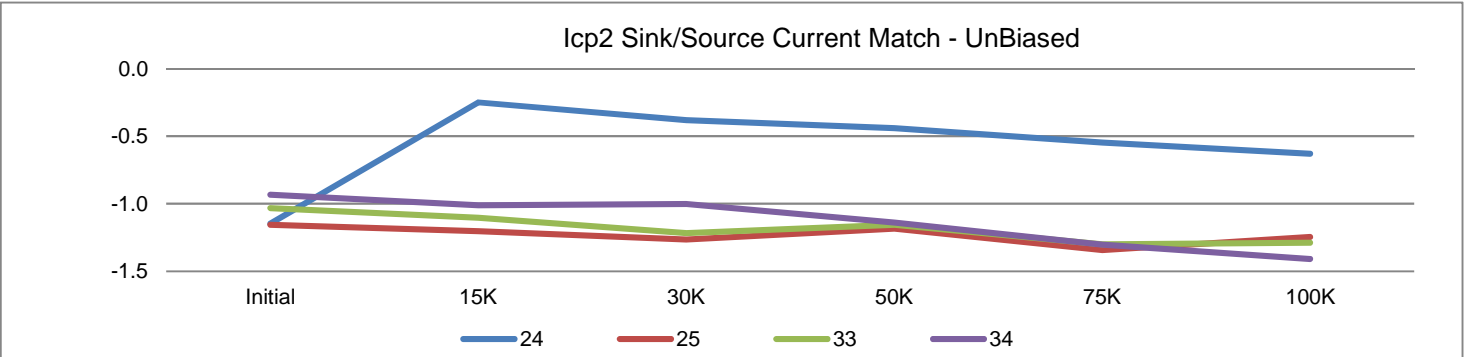
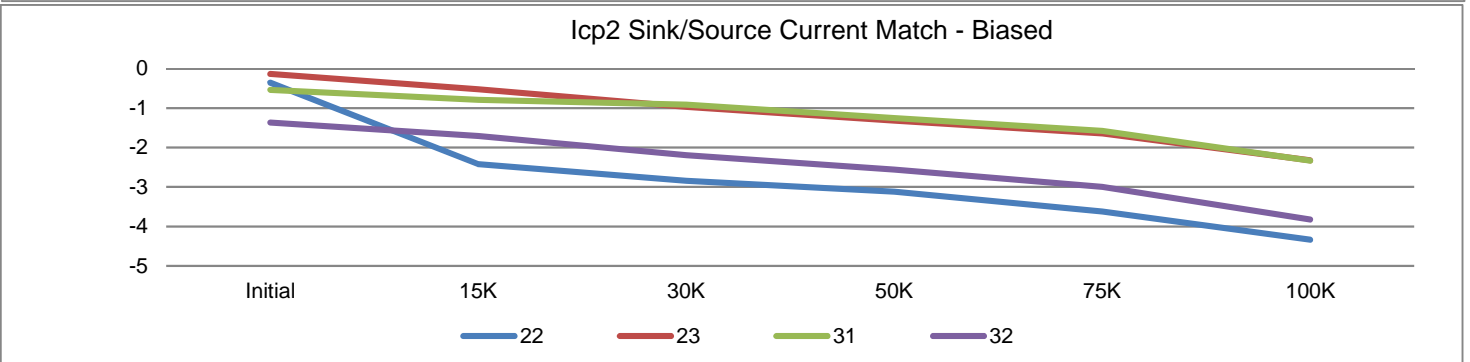
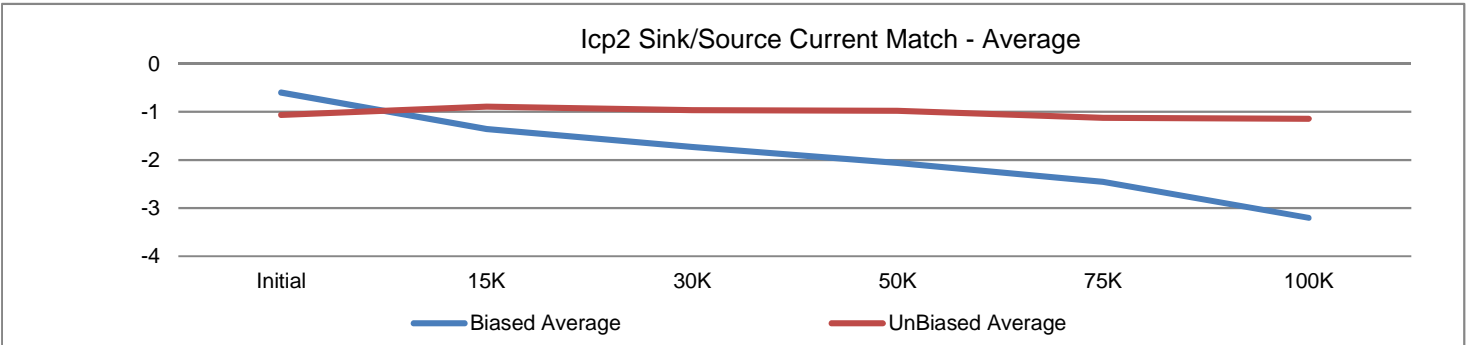
T# 37		Icp1 Sink Max						mA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.62068	-0.61333	-0.61681	-0.61709	-0.62284	-0.62743	>-1.25
	48	-0.62149	-0.61524	-0.63267	-0.639	-0.62576	-0.63004	<-.125
Biased	22	-0.63544	-0.63312	-0.6322	-0.63239	-0.63964	-0.64731	
	23	-0.6287	-0.63203	-0.63023	-0.63079	-0.63848	-0.64116	
	31	-0.63158	-0.62855	-0.627	-0.62712	-0.635	-0.63834	
	32	-0.63735	-0.63306	-0.63339	-0.6332	-0.6419	-0.65166	
	Min	-0.6374	-0.6331	-0.6334	-0.6332	-0.6419	-0.6517	
	Max	-0.6287	-0.6286	-0.6269	-0.6271	-0.6350	-0.6383	
	Average	-0.6333	-0.6317	-0.6307	-0.6309	-0.6388	-0.6446	
UnBiased	24	-0.64215	-0.62566	-0.6259	-0.62533	-0.63287	-0.6349	
	25	-0.64243	-0.6398	-0.63668	-0.63731	-0.64751	-0.65022	
	33	-0.63864	-0.63491	-0.63327	-0.63292	-0.63801	-0.64154	
	34	-0.63644	-0.63366	-0.63208	-0.63029	-0.63854	-0.63568	
	Min	-0.6424	-0.6398	-0.6367	-0.6373	-0.6475	-0.6502	
	Max	-0.6364	-0.6257	-0.6259	-0.6253	-0.6329	-0.6349	
	Average	-0.6399	-0.6335	-0.6320	-0.6315	-0.6392	-0.6406	



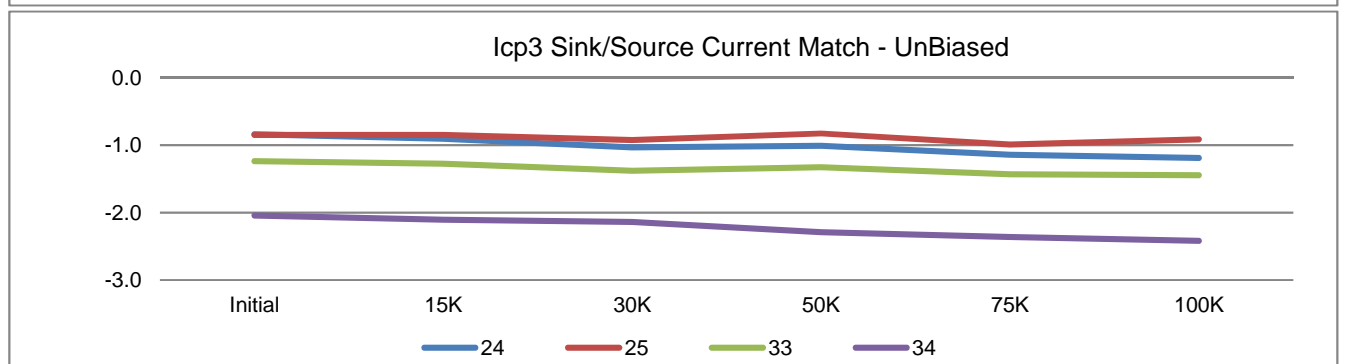
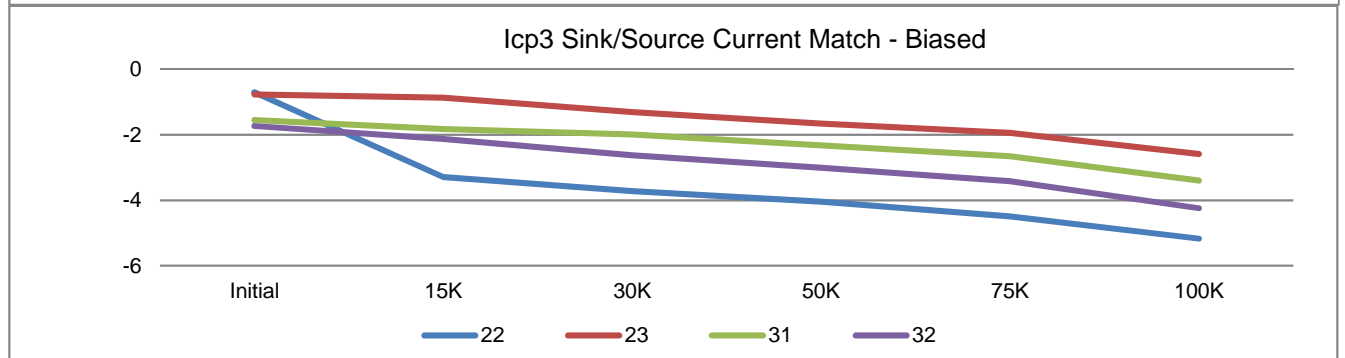
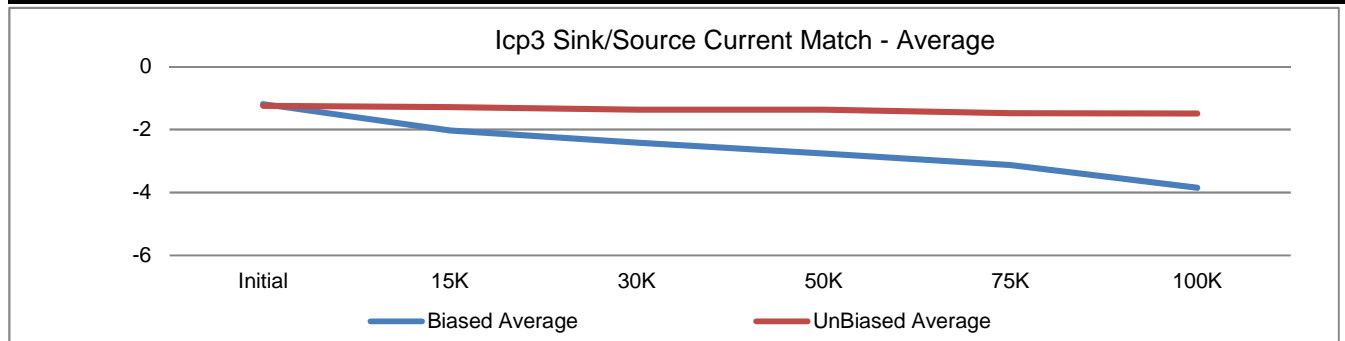
T# 38		Icp1 Sink/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-1.2231	-1.85619	-1.99064	-1.90015	-1.99389	-1.87191	+/-10
	48	-1.5078	-3.24557	-0.71022	-2.95459	-3.14581	-3.24191	
Biased	22	-0.34943	-2.58439	-3.02421	-3.24667	-3.79136	-4.54248	
	23	-0.12828	-0.4789	-0.85335	-1.26801	-1.62972	-2.23055	
	31	-1.4936	-1.65092	-1.826	-2.13971	-2.50039	-3.2599	
	32	-1.74486	-2.06272	-2.51484	-2.91579	-3.40838	-4.23016	
	Min	-1.7449	-2.5844	-3.0242	-3.2467	-3.7914	-4.5425	
	Max	-0.1283	-0.4789	-0.8534	-1.2680	-1.6297	-2.2306	
	Average	-0.9290	-1.6942	-2.0545	-2.3925	-2.8325	-3.5658	
UnBiased	24	-1.14739	-0.20727	-0.36042	-0.28901	-0.61743	-0.68971	
	25	-1.216	-1.17452	-1.34739	-1.20019	-1.36117	-1.32096	
	33	-1.02473	-1.08375	-1.23937	-1.23363	-1.34671	-1.26966	
	34	-1.69226	-1.65762	-1.78042	-1.91574	-2.00946	-2.06361	
	Min	-1.6923	-1.6576	-1.7804	-1.9157	-2.0095	-2.0636	
	Max	-1.0247	-0.2073	-0.3604	-0.2890	-0.6174	-0.6897	
	Average	-1.2701	-1.0308	-1.1819	-1.1596	-1.3337	-1.3360	



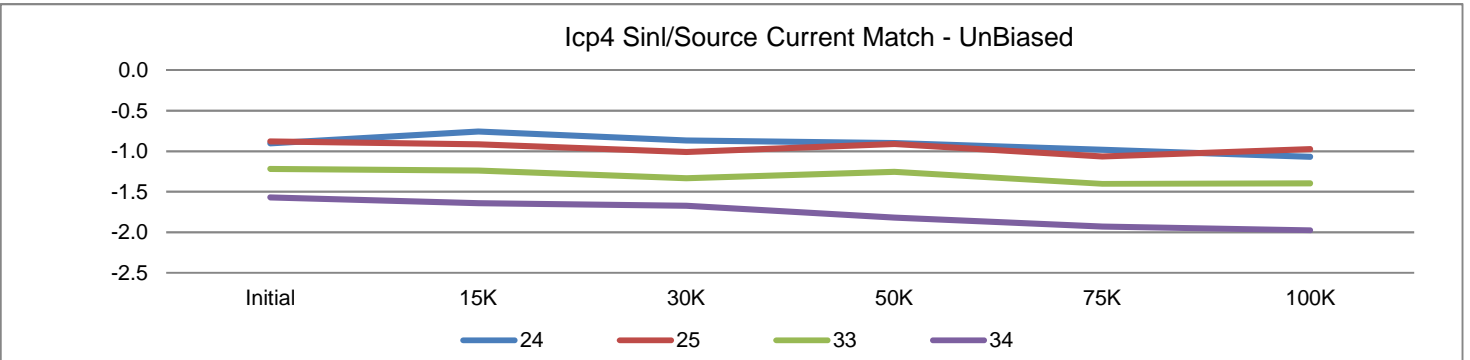
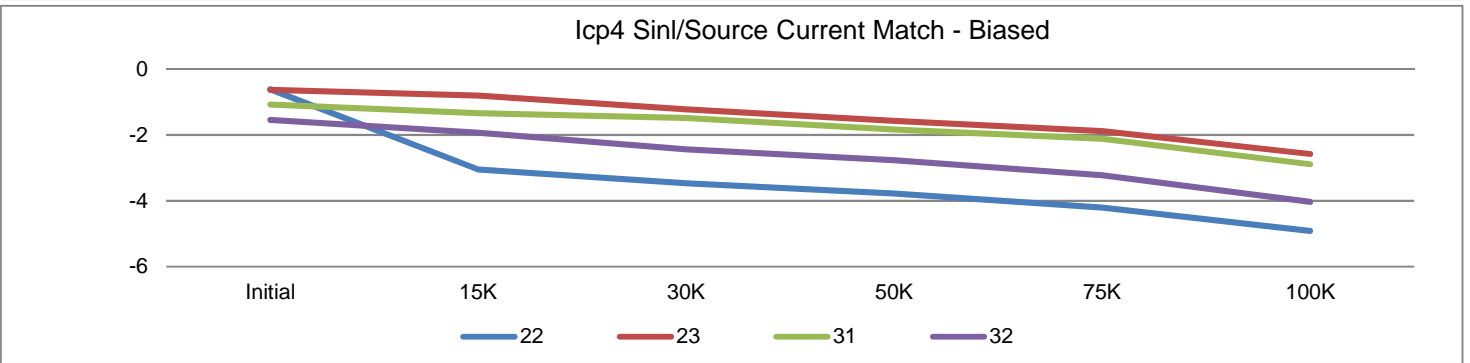
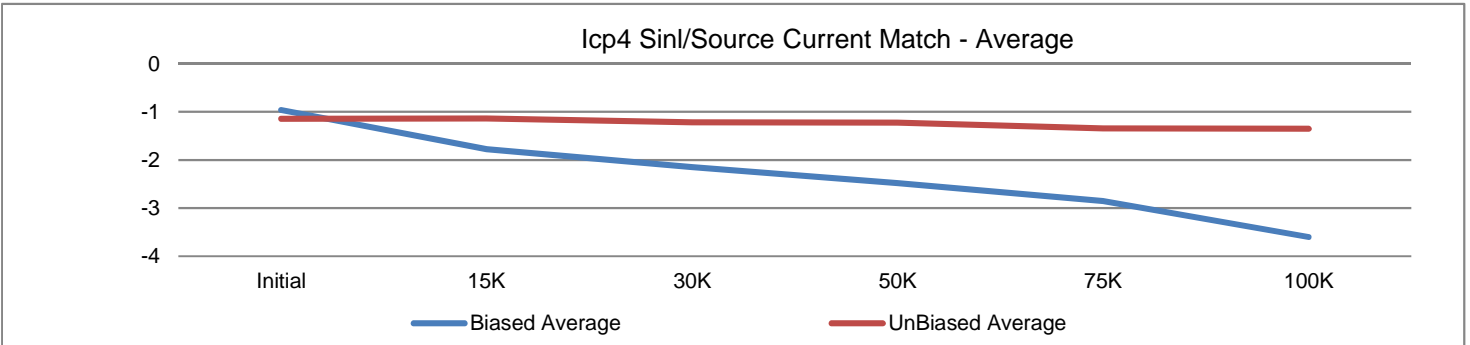
T# 39		Icp2 Sink/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-1.24614	-1.90155	-1.95347	-1.97196	-1.97155	-1.94002	+/-10
	48	-1.17401	-2.92318	-0.57095	-2.10112	-2.94852	-2.98483	
Biased	22	-0.35522	-2.42332	-2.84454	-3.1157	-3.61678	-4.33522	
	23	-0.13654	-0.52033	-0.97164	-1.3195	-1.64397	-2.32402	
	31	-0.53656	-0.79244	-0.910	-1.256	-1.57652	-2.33187	
	32	-1.36594	-1.70404	-2.19359	-2.55619	-2.99428	-3.82502	
	Min	-1.3659	-2.4233	-2.8445	-3.1157	-3.6168	-4.3352	
	Max	-0.1365	-0.5203	-0.9098	-1.2560	-1.5765	-2.3240	
	Average	-0.5986	-1.3600	-1.7299	-2.0618	-2.4579	-3.2040	
UnBiased	24	-1.1473	-0.24918	-0.38113	-0.44085	-0.54737	-0.62966	
	25	-1.15474	-1.20246	-1.2647	-1.18254	-1.34175	-1.24467	
	33	-1.0316	-1.10377	-1.21557	-1.15571	-1.2989	-1.28691	
	34	-0.93286	-1.01027	-1.00231	-1.13774	-1.30284	-1.40854	
	Min	-1.1547	-1.2025	-1.2647	-1.1825	-1.3418	-1.4085	
	Max	-0.9329	-0.2492	-0.3811	-0.4409	-0.5474	-0.6297	
	Average	-1.0666	-0.8914	-0.9659	-0.9792	-1.1227	-1.1424	



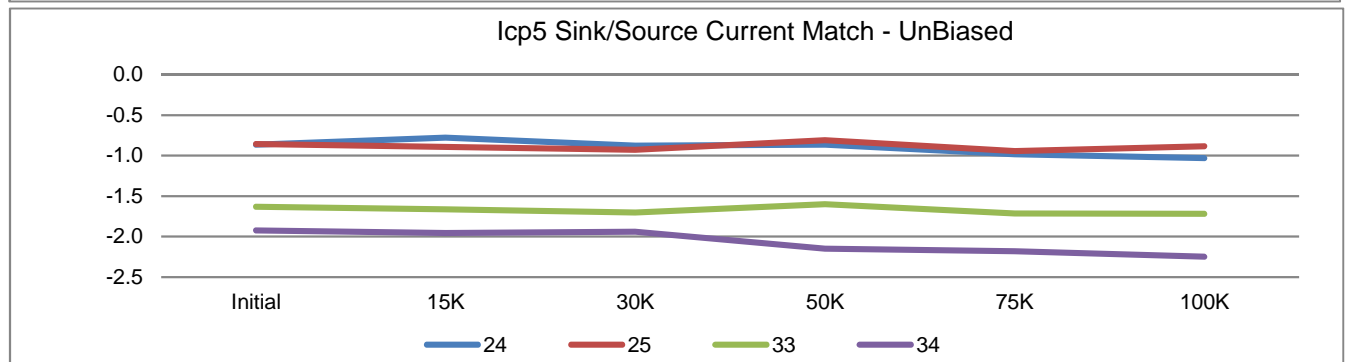
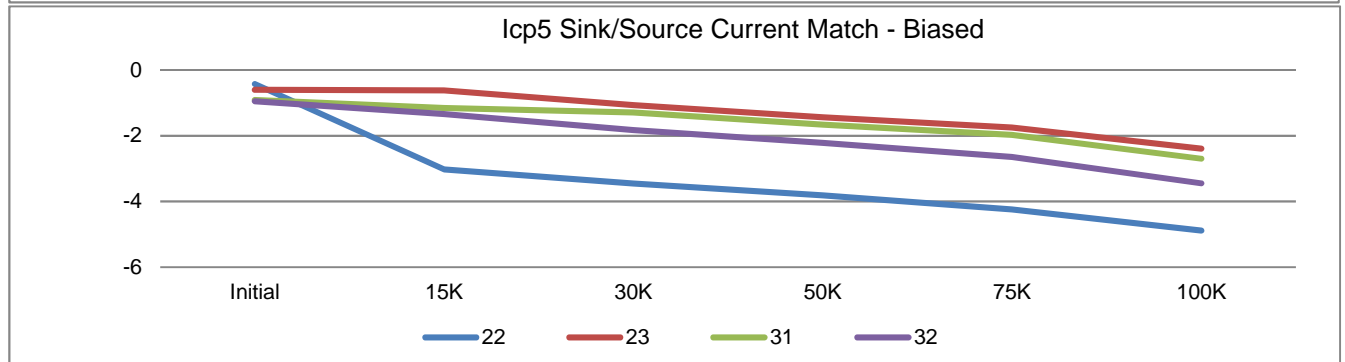
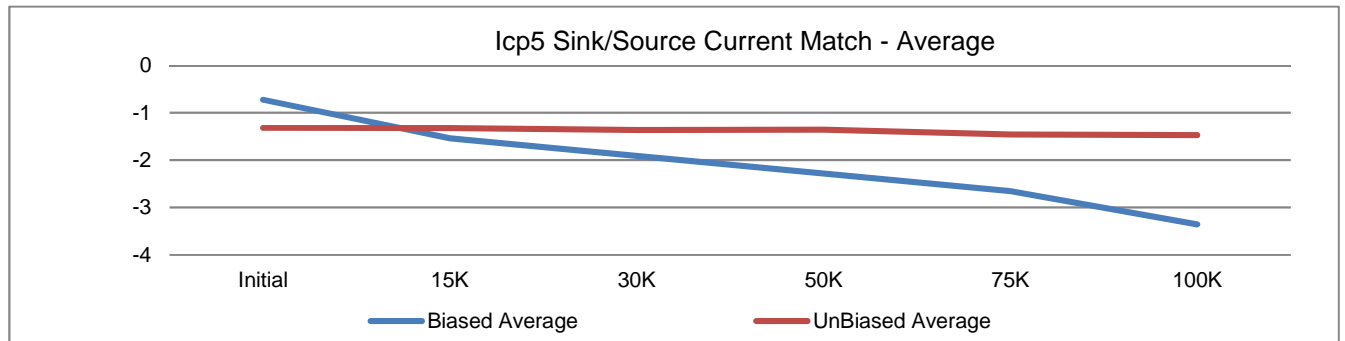
T# 40		Icp3 Sink/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-1.16214	-1.79625	-1.80054	-1.84814	-1.84877	-1.81174	+/-10
	48	-1.67301	-3.43243	-1.05291	-2.65522	-3.44248	-3.44196	
Biased	22	-0.70149	-3.29288	-3.72501	-4.03955	-4.48884	-5.17368	
	23	-0.76868	-0.86865	-1.3057	-1.65587	-1.94661	-2.58758	
	31	-1.54829	-1.8204	-1.995	-2.32083	-2.65694	-3.40179	
	32	-1.73158	-2.12781	-2.62391	-3.00774	-3.41453	-4.24344	
	Min	-1.7316	-3.2929	-3.7250	-4.0396	-4.4888	-5.1737	
	Max	-0.7015	-0.8687	-1.3057	-1.6559	-1.9466	-2.5876	
	Average	-1.1875	-2.0274	-2.4124	-2.7560	-3.1267	-3.8516	
UnBiased	24	-0.83736	-0.90582	-1.03535	-1.01003	-1.14273	-1.18969	
	25	-0.84716	-0.84966	-0.92392	-0.82669	-0.98995	-0.91342	
	33	-1.23821	-1.27743	-1.38141	-1.32573	-1.4294	-1.44442	
	34	-2.04324	-2.10422	-2.13563	-2.29074	-2.36212	-2.41692	
	Min	-2.0432	-2.1042	-2.1356	-2.2907	-2.3621	-2.4169	
	Max	-0.8374	-0.8497	-0.9239	-0.8267	-0.9900	-0.9134	
	Average	-1.2415	-1.2843	-1.3691	-1.3633	-1.4811	-1.4911	



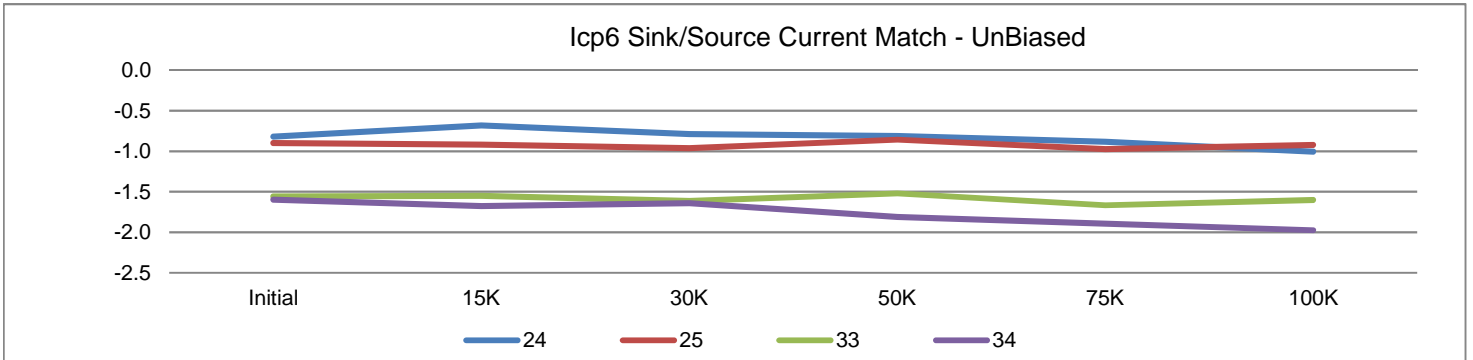
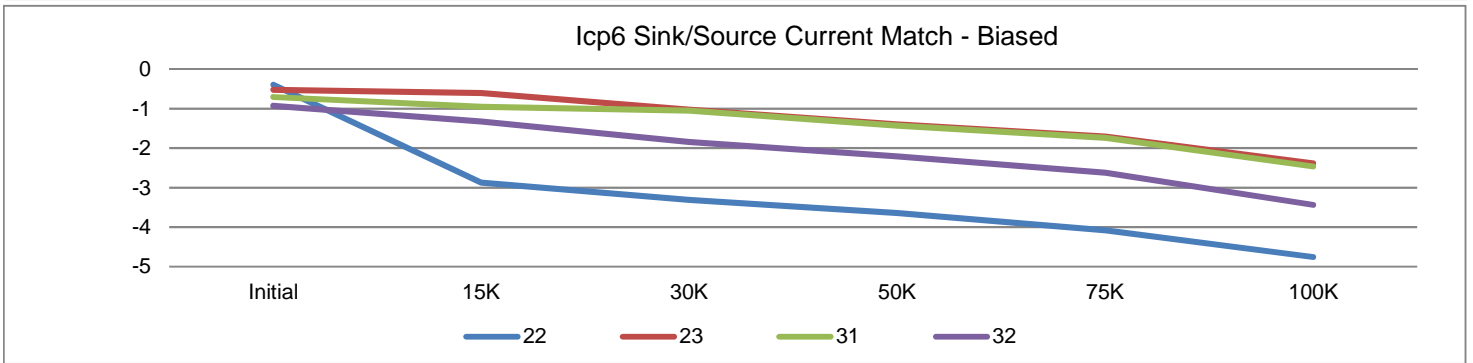
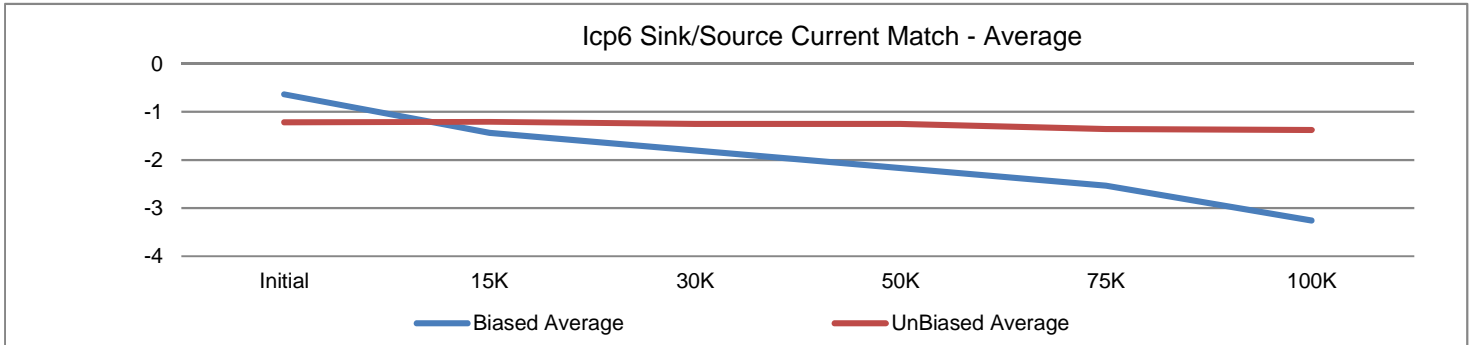
T# 41		Icp4 Sinl/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-1.16869	-1.82369	-1.84249	-1.87414	-1.88526	-1.80643	+/-10
	48	-1.44609	-3.2726	-0.92245	-2.33802	-3.23576	-3.27312	
Biased	22	-0.60916	-3.04772	-3.46417	-3.7723	-4.20876	-4.91297	
	23	-0.62794	-0.7996	-1.22197	-1.56879	-1.88213	-2.5769	
	31	-1.06949	-1.33838	-1.477	-1.82818	-2.11316	-2.88687	
	32	-1.54122	-1.9314	-2.43663	-2.76614	-3.22336	-4.03155	
	Min	-1.5412	-3.0477	-3.4642	-3.7723	-4.2088	-4.9130	
	Max	-0.6092	-0.7996	-1.2220	-1.5688	-1.8821	-2.5769	
	Average	-0.9620	-1.7793	-2.1499	-2.4839	-2.8569	-3.6021	
UnBiased	24	-0.90263	-0.75473	-0.86477	-0.8997	-0.98035	-1.06719	
	25	-0.877	-0.91403	-1.00956	-0.91	-1.06443	-0.97349	
	33	-1.21674	-1.23792	-1.3317	-1.25487	-1.40126	-1.39451	
	34	-1.56854	-1.64162	-1.67129	-1.82036	-1.92955	-1.97476	
	Min	-1.5685	-1.6416	-1.6713	-1.8204	-1.9296	-1.9748	
	Max	-0.8770	-0.7547	-0.8648	-0.8997	-0.9804	-0.9735	
	Average	-1.1412	-1.1371	-1.2193	-1.2212	-1.3439	-1.3525	



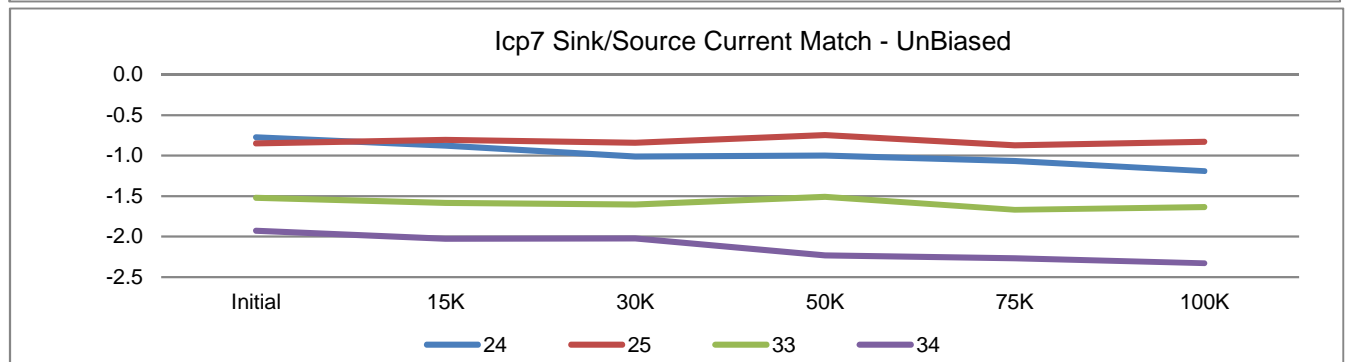
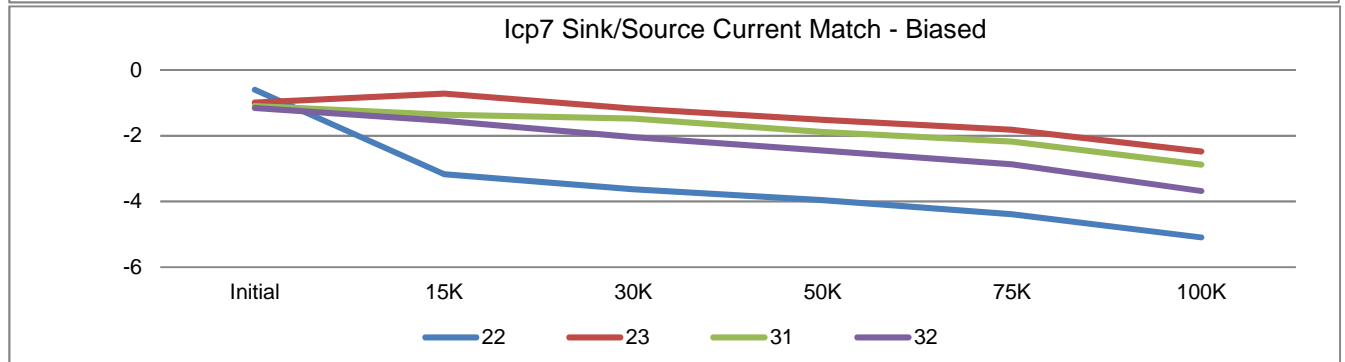
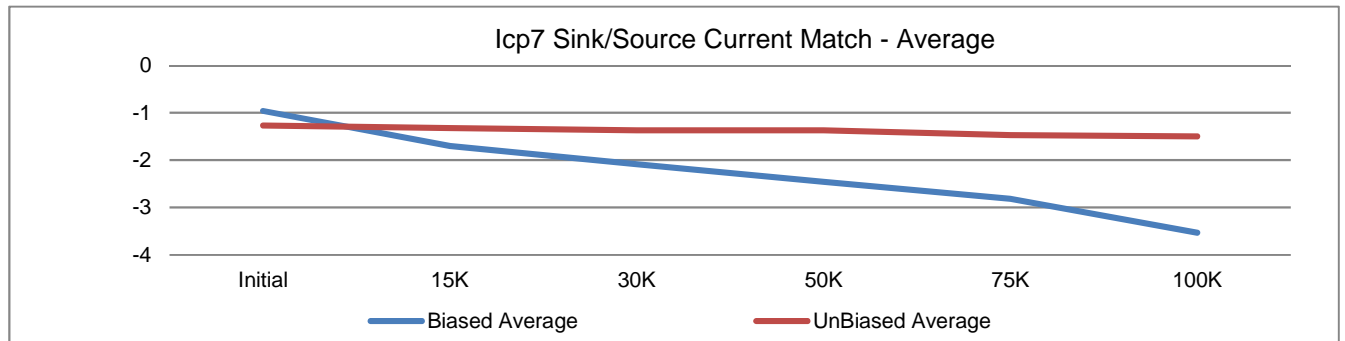
	T# 42	Icp5 Sink/Source Current Match						%
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.71925	-1.40838	-1.42897	-1.46254	-1.47767	-1.41531	+/-10
	48	-1.64162	-3.29529	-1.13526	-2.33221	-3.30104	-3.30942	
Biased	22	-0.42745	-3.02336	-3.45241	-3.81045	-4.23837	-4.88429	
	23	-0.60548	-0.62466	-1.06827	-1.43458	-1.74744	-2.39163	
	31	-0.91556	-1.15425	-1.291	-1.66627	-1.96959	-2.69781	
	32	-0.95085	-1.33867	-1.82848	-2.22004	-2.64311	-3.44613	
	Min	-0.9509	-3.0234	-3.4524	-3.8105	-4.2384	-4.8843	
	Max	-0.4275	-0.6247	-1.0683	-1.4346	-1.7474	-2.3916	
	Average	-0.7248	-1.5352	-1.9100	-2.2828	-2.6496	-3.3550	
UnBiased	24	-0.86317	-0.77925	-0.87515	-0.86484	-0.98207	-1.03075	
	25	-0.85525	-0.89124	-0.92876	-0.80846	-0.94369	-0.88607	
	33	-1.63076	-1.66337	-1.70338	-1.59909	-1.71532	-1.71876	
	34	-1.9225	-1.95532	-1.93886	-2.14828	-2.17942	-2.2488	
	Min	-1.9225	-1.9553	-1.9389	-2.1483	-2.1794	-2.2488	
	Max	-0.8553	-0.7793	-0.8752	-0.8085	-0.9437	-0.8861	
	Average	-1.3179	-1.3223	-1.3615	-1.3552	-1.4551	-1.4711	



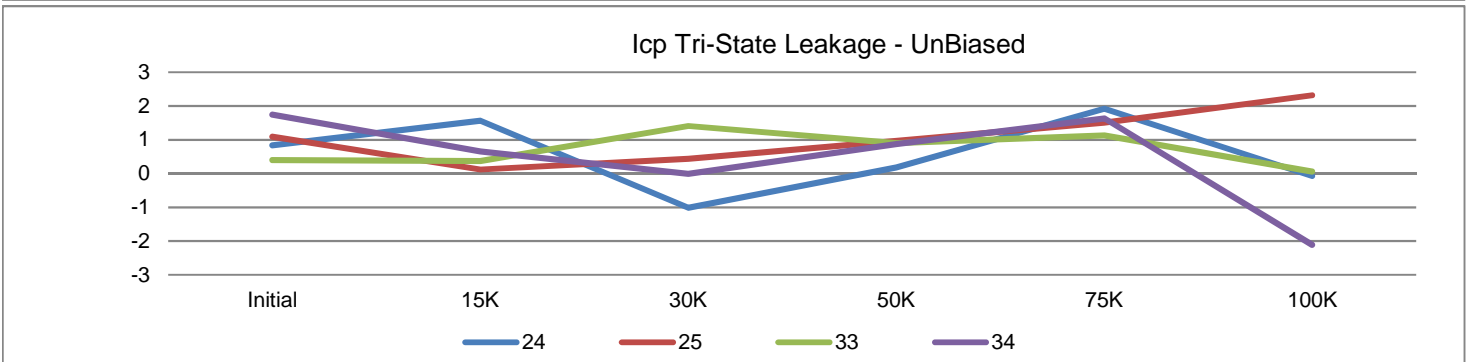
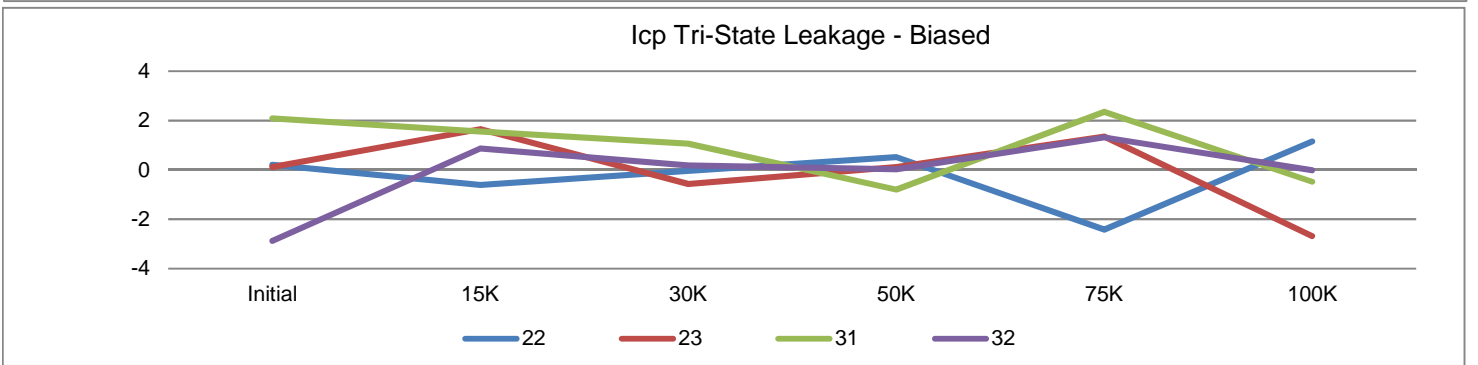
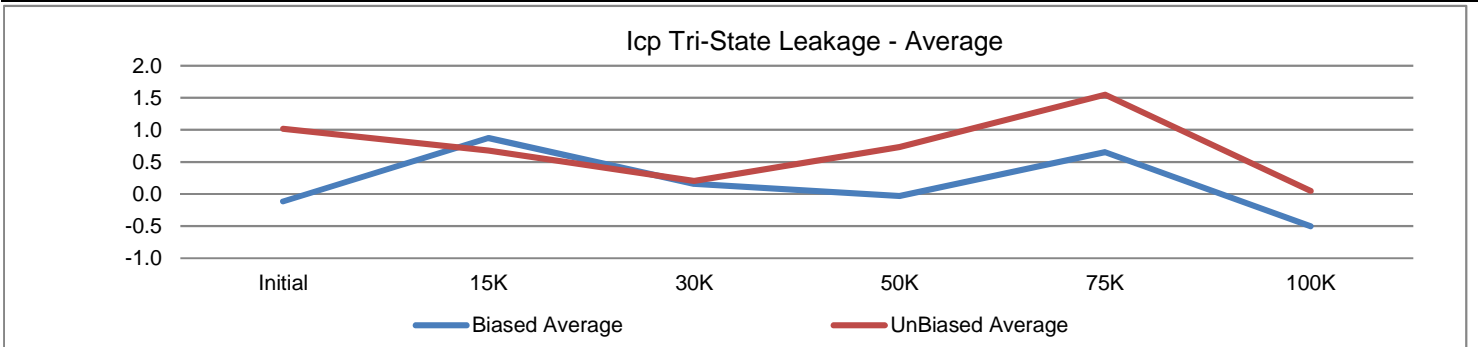
T# 43		Icp6 Sink/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.80374	-1.48914	-1.48582	-1.5108	-1.53888	-1.48101	+/-10
	48	-1.48538	-3.18312	-1.00225	-2.1528	-3.17438	-3.18823	
Biased	22	-0.39325	-2.86819	-3.30595	-3.64544	-4.0824	-4.75753	
	23	-0.51807	-0.59933	-1.02352	-1.397	-1.70348	-2.38161	
	31	-0.70352	-0.9524	-1.049	-1.42468	-1.74004	-2.46153	
	32	-0.92369	-1.32624	-1.84295	-2.20887	-2.61795	-3.43683	
	Min	-0.9237	-2.8682	-3.3060	-3.6454	-4.0824	-4.7575	
	Max	-0.3933	-0.5993	-1.0235	-1.3970	-1.7035	-2.3816	
	Average	-0.6346	-1.4365	-1.8054	-2.1690	-2.5360	-3.2594	
UnBiased	24	-0.81991	-0.68224	-0.78554	-0.81103	-0.88409	-1.00335	
	25	-0.89703	-0.91823	-0.96166	-0.85616	-0.97191	-0.92249	
	33	-1.5586	-1.54981	-1.61279	-1.52054	-1.66604	-1.60012	
	34	-1.59667	-1.67742	-1.63891	-1.81157	-1.89451	-1.97439	
	Min	-1.5967	-1.6774	-1.6389	-1.8116	-1.8945	-1.9744	
	Max	-0.8199	-0.6822	-0.7855	-0.8110	-0.8841	-0.9225	
	Average	-1.2181	-1.2069	-1.2497	-1.2498	-1.3541	-1.3751	



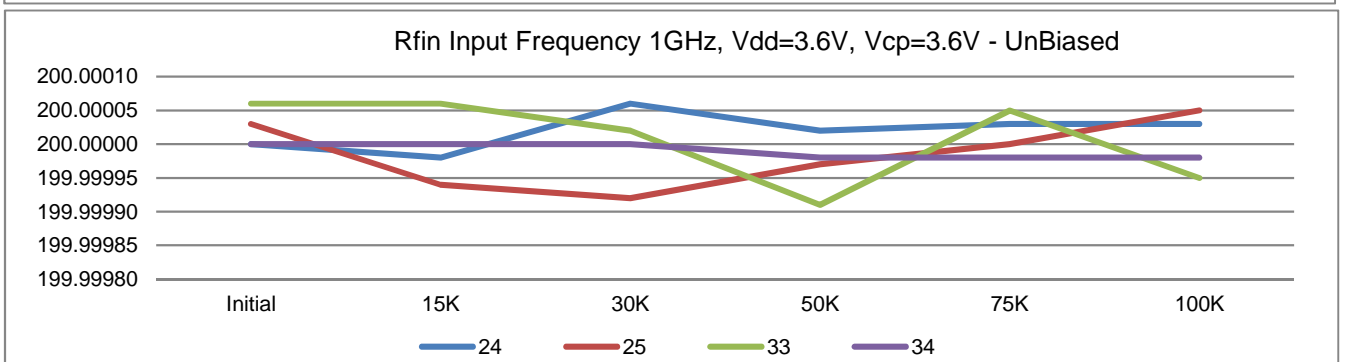
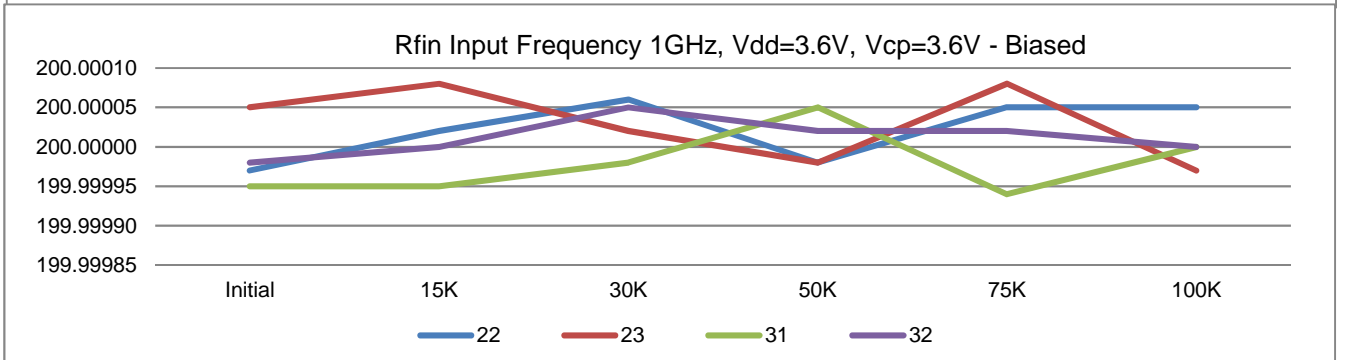
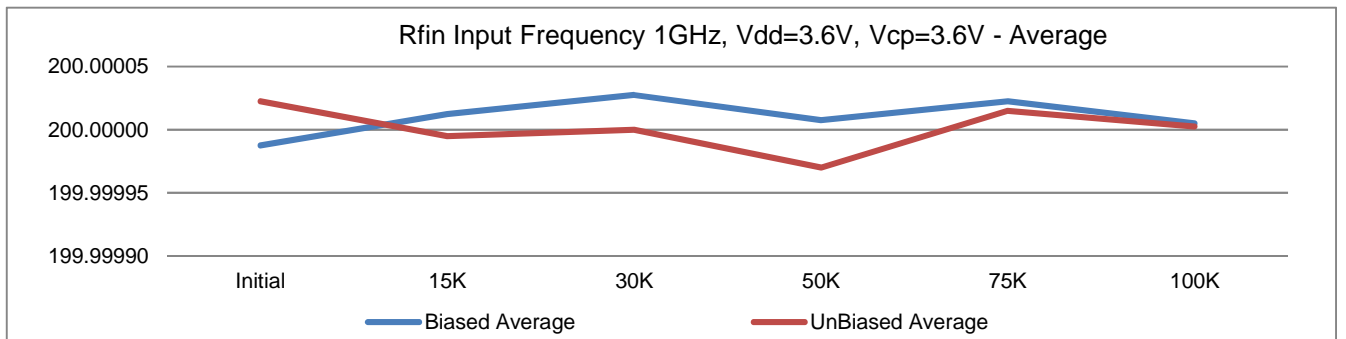
T# 44		Icp7 Sink/Source Current Match						%
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	-0.9373	-1.48408	-1.51497	-1.53875	-1.54226	-1.49279	+/-10
	48	-1.69947	-3.34344	-1.15851	-2.37244	-3.35594	-3.35021	
Biased	22	-0.60325	-3.17069	-3.62752	-3.95789	-4.38738	-5.09126	
	23	-0.98704	-0.71717	-1.1781	-1.52118	-1.82217	-2.47733	
	31	-1.0932	-1.36199	-1.481	-1.88625	-2.17343	-2.87641	
	32	-1.15789	-1.54613	-2.04112	-2.45184	-2.86595	-3.67964	
	Min	-1.1579	-3.1707	-3.6275	-3.9579	-4.3874	-5.0913	
	Max	-0.6033	-0.7172	-1.1781	-1.5212	-1.8222	-2.4773	
	Average	-0.9603	-1.6990	-2.0820	-2.4543	-2.8122	-3.5312	
UnBiased	24	-0.77295	-0.87522	-1.00953	-0.99937	-1.06775	-1.19122	
	25	-0.85047	-0.8073	-0.84253	-0.74512	-0.87314	-0.82983	
	33	-1.52053	-1.58389	-1.60509	-1.50892	-1.66894	-1.63657	
	34	-1.9279	-2.02775	-2.0218	-2.23024	-2.26893	-2.3283	
	Min	-1.9279	-2.0278	-2.0218	-2.2302	-2.2689	-2.3283	
	Max	-0.7730	-0.8073	-0.8425	-0.7451	-0.8731	-0.8298	
	Average	-1.2680	-1.3235	-1.3697	-1.3709	-1.4697	-1.4965	



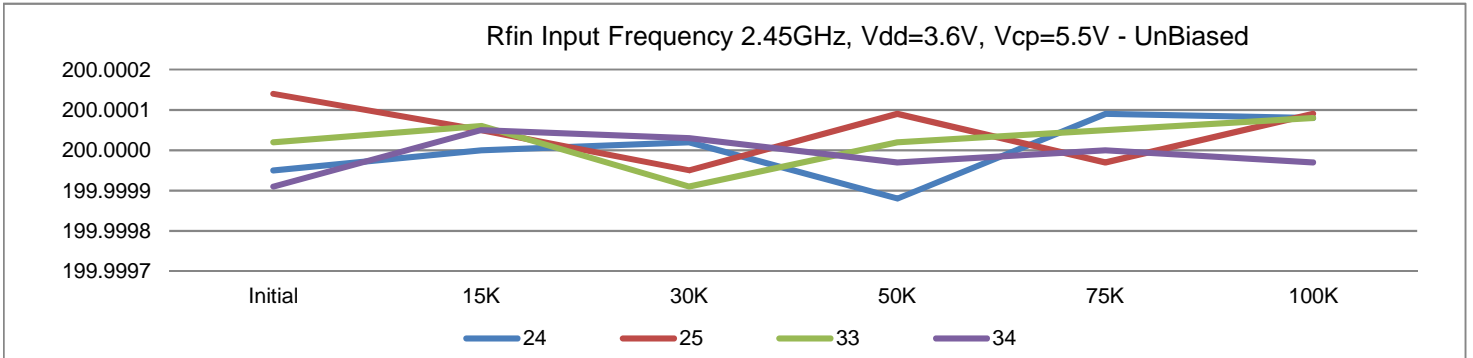
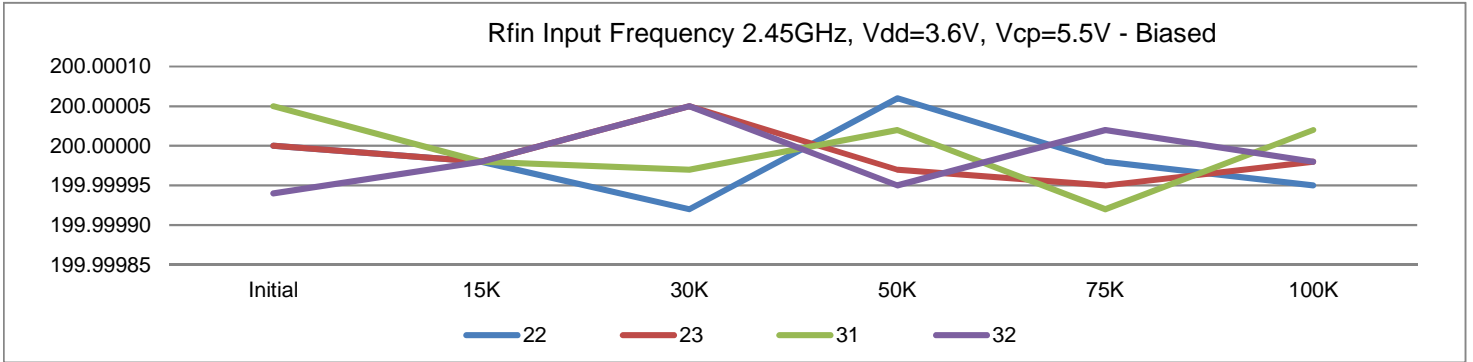
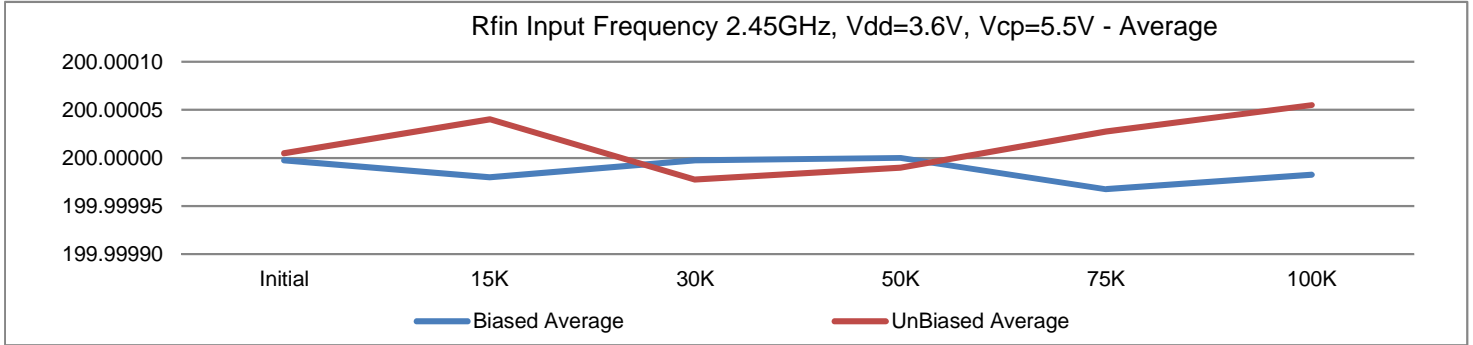
T# 45		Icp Tri-State Leakage						nA
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	1.40155	-2.52485	-0.79232	0.90322	1.00678	-0.82466	+/-20
	48	0.36426	1.93871	0.21357	0.05454	1.85548	-0.32173	
Biased	22	0.20709	-0.60464	-0.03791	0.52603	-2.41943	1.15564	
	23	0.11279	1.65859	-0.57228	0.11741	1.35255	-2.67924	
	31	2.09308	1.56429	1.062	-0.79414	2.35841	-0.4789	
	32	-2.87337	0.87275	0.18213	0.02311	1.32112	-0.0074	
	Min	-2.8734	-0.6046	-0.5723	-0.7941	-2.4194	-2.6792	
	Max	2.0931	1.6586	1.0623	0.5260	2.3584	1.1556	
	Average	-0.1151	0.8727	0.1586	-0.0319	0.6532	-0.5025	
UnBiased	24	0.83575	1.56429	-1.01236	0.18028	1.91835	-0.07026	
	25	1.08722	0.11834	0.4336	0.96609	1.50971	2.31868	
	33	0.39569	0.36981	1.40806	0.90322	1.13252	0.05547	
	34	1.74732	0.65271	-0.00647	0.87179	1.63545	-2.11343	
	Min	0.3957	0.1183	-1.0124	0.1803	1.1325	-2.1134	
	Max	1.7473	1.5643	1.4081	0.9661	1.9184	2.3187	
	Average	1.0165	0.6763	0.2057	0.7303	1.5490	0.0476	



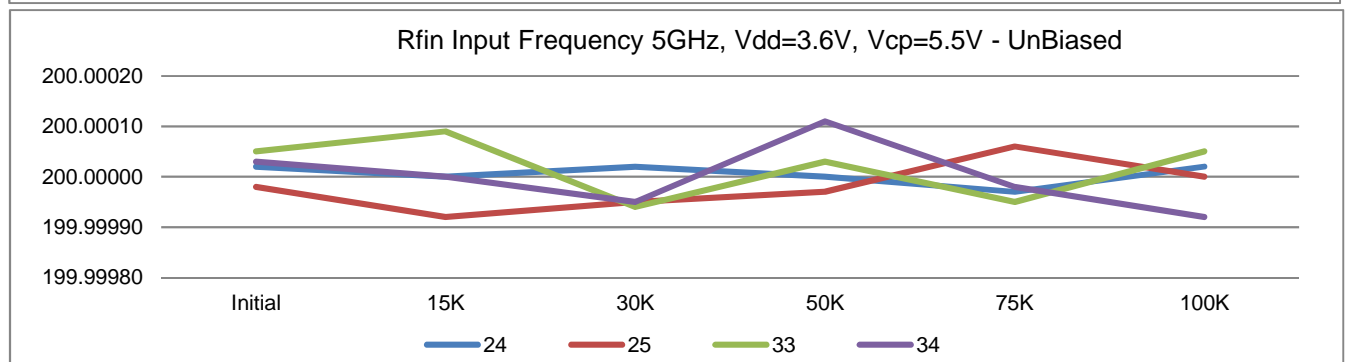
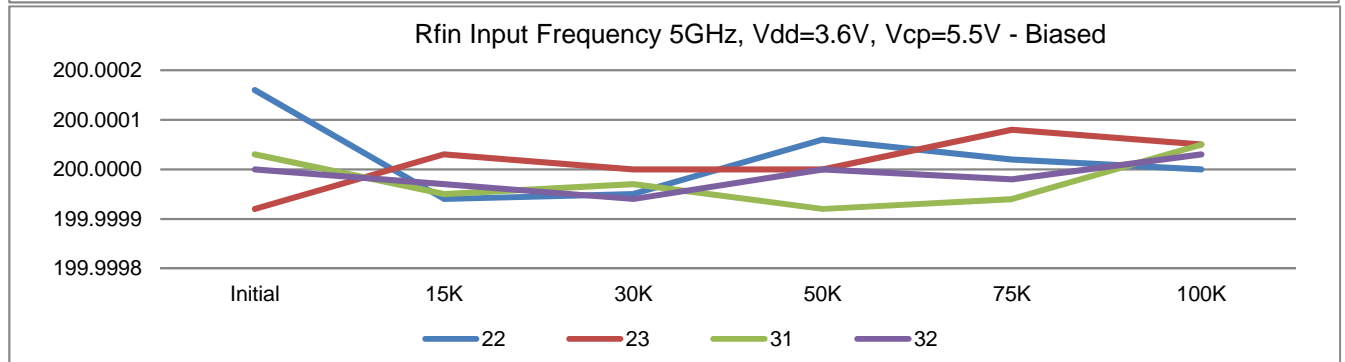
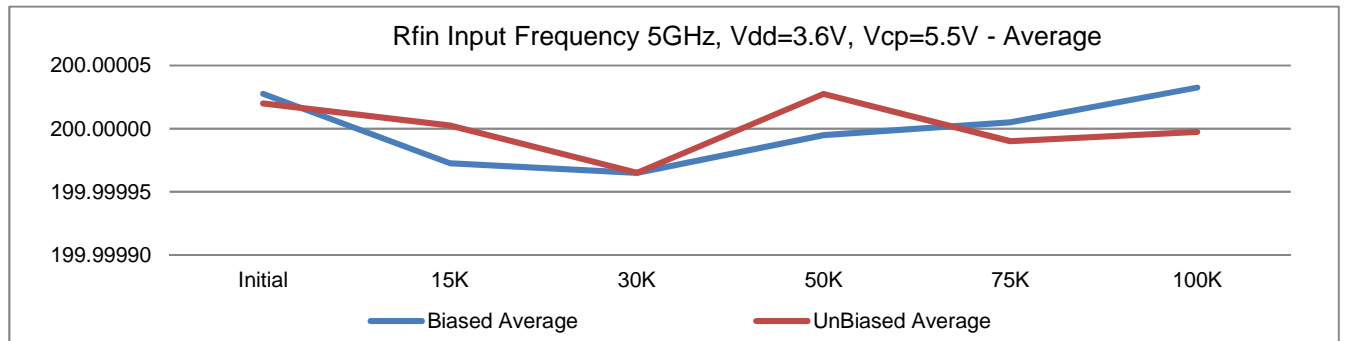
T# 46		Rfin Input Frequency 1GHz, Vdd=3.6V, Vcp=3.6V						kHz
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	200.00009	200.00003	199.99997	199.99998	200.00006	200.00000	See notes
	48	200.00008	200.00000	199.99994	199.99994	199.99997	200.00000	
Biased	22	199.99997	200.00002	200.00006	199.99998	200.00005	200.00005	
	23	200.00005	200.00008	200.00002	199.99998	200.00008	199.99997	
	31	199.99995	199.99995	199.99998	200.00005	199.99994	200.00000	
	32	199.99998	200.00000	200.00005	200.00002	200.00002	200.00000	
	Min	199.99995	199.99995	199.99998	199.99998	199.99994	199.99997	
	Max	200.00005	200.00008	200.00006	200.00005	200.00008	200.00005	
	Average	199.99999	200.00001	200.00003	200.00001	200.00002	200.00001	
UnBiased	24	200.00000	199.99998	200.00006	200.00002	200.00003	200.00003	
	25	200.00003	199.99994	199.99992	199.99997	200.00000	200.00005	
	33	200.00006	200.00006	200.00002	199.99991	200.00005	199.99995	
	34	200.00000	200.00000	200.00000	199.99998	199.99998	199.99998	
	Min	200.00000	199.99994	199.99992	199.99991	199.99998	199.99995	
	Max	200.00006	200.00006	200.00006	200.00002	200.00005	200.00005	
	Average	200.00002	200.00000	200.00000	199.99997	200.00002	200.00000	



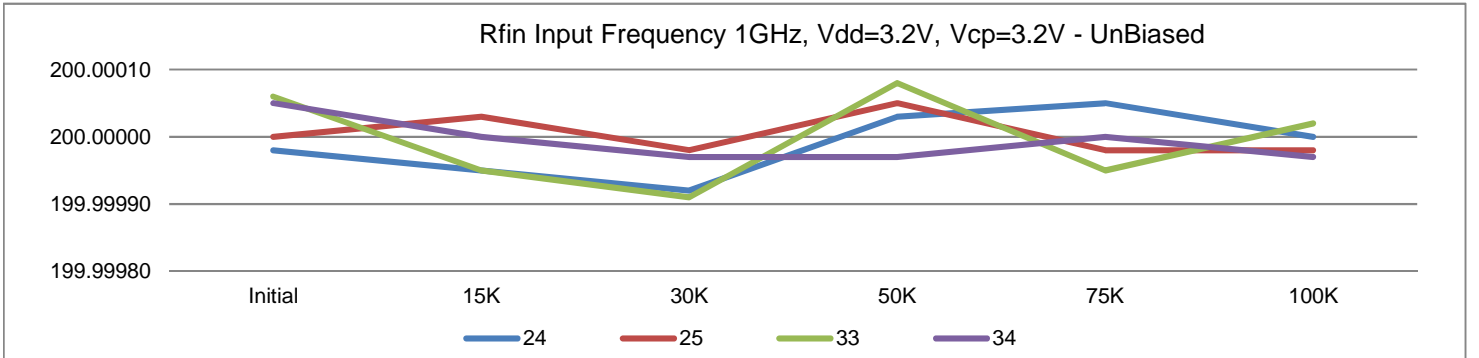
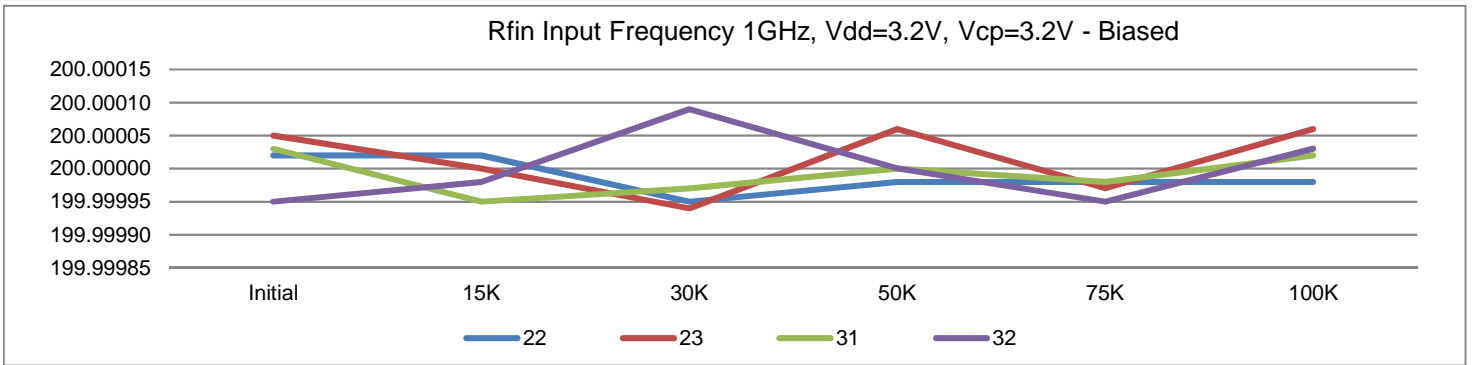
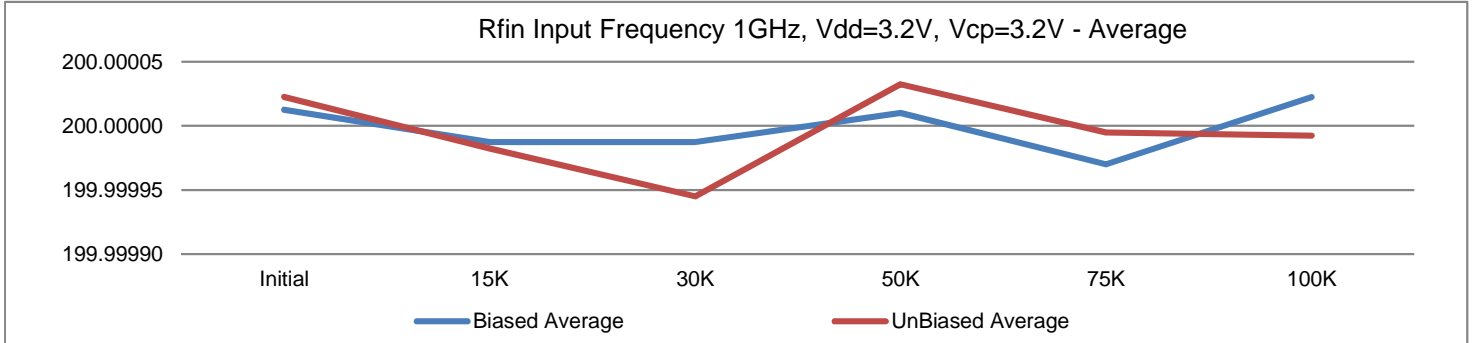
T# 47		Max Output Prescalar 2.45GHz, Vdd=3.6V, Vcp=5.5V						kHz
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	199.99995	200.00002	200.00006	200.00000	200.00005	200.00006	
	48	199.99998	200.00002	200.00006	200.00003	199.99992	200.00005	
Biased	22	200.00000	199.99998	199.99992	200.00006	199.99998	199.99995	
	23	200.00000	199.99998	200.00005	199.99997	199.99995	199.99998	
	31	200.00005	199.99998	199.99997	200.00002	199.99992	200.00002	
	32	199.99994	199.99998	200.00005	199.99995	200.00002	199.99998	
	Min	199.99994	199.99998	199.99992	199.99995	199.99992	199.99995	
	Max	200.00005	199.99998	200.00005	200.00006	200.00002	200.00002	
	Average	200.00000	199.99998	200.00000	200.00000	199.99997	199.99998	
UnBiased	24	199.99995	200.00000	200.00002	199.99988	200.00009	200.00008	
	25	200.00014	200.00005	199.99995	200.00009	199.99997	200.00009	
	33	200.00002	200.00006	199.99991	200.00002	200.00005	200.00008	
	34	199.99991	200.00005	200.00003	199.99997	200.00000	199.99997	
	Min	199.99991	200.00000	199.99991	199.99988	199.99997	199.99997	
	Max	200.00014	200.00006	200.00003	200.00009	200.00009	200.00009	
	Average	200.00001	200.00004	199.99998	199.99999	200.00003	200.00006	



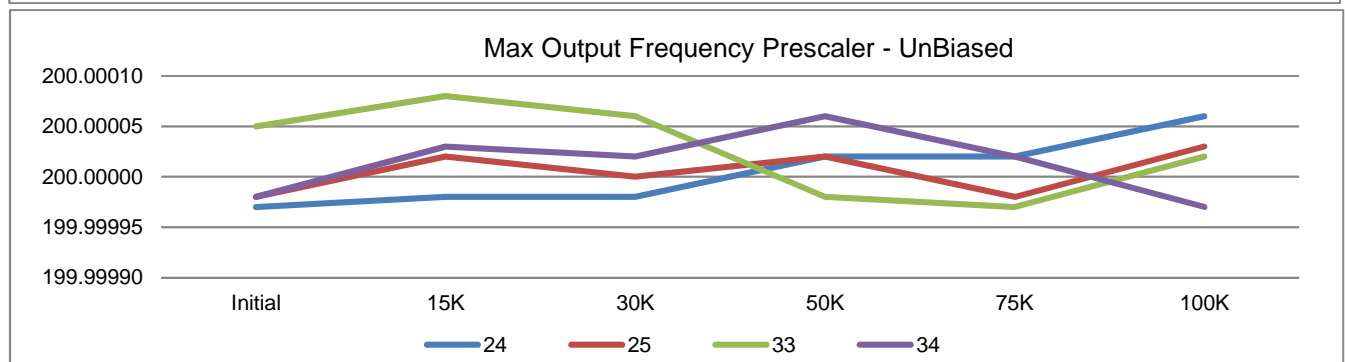
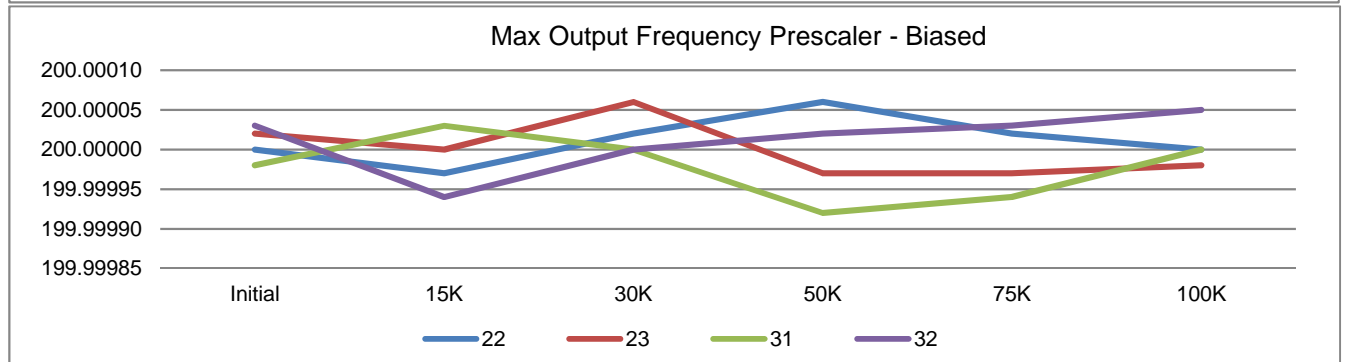
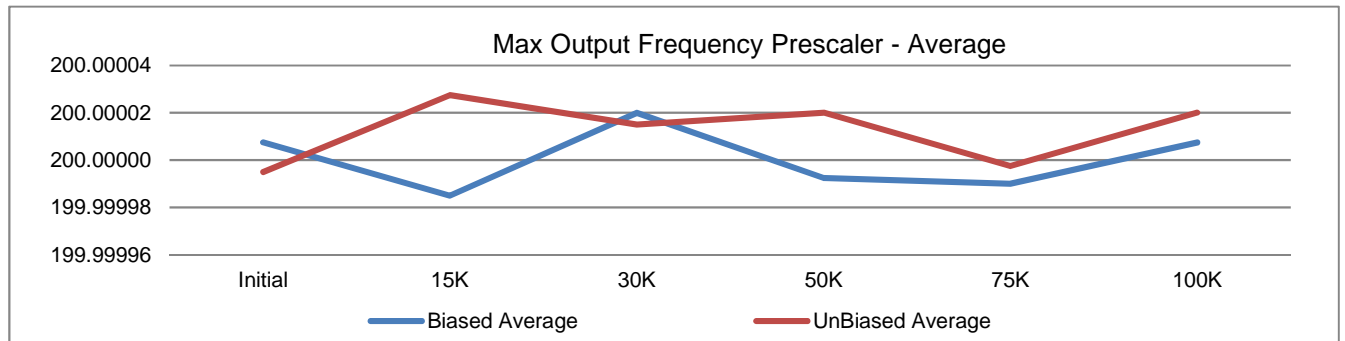
T# 48		Rfin Input Frequency 5GHz, Vdd=3.6V, Vcp=5.5V						kHz
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	199.99998	199.99998	200.00000	199.99998	200.00003	200.00003	See Notes
	48	199.99998	200.00005	200.00002	200.00003	199.99998	199.99991	
Biased	22	200.00016	199.99994	199.99995	200.00006	200.00002	200.00000	
	23	199.99992	200.00003	200.00000	200.00000	200.00008	200.00005	
	31	200.00003	199.99995	199.99997	199.99992	199.99994	200.00005	
	32	200.00000	199.99997	199.99994	200.00000	199.99998	200.00003	
	Min	199.99992	199.99994	199.99994	199.99992	199.99994	200.00000	
	Max	200.00016	200.00003	200.00000	200.00006	200.00008	200.00005	
	Average	200.00003	199.99997	199.99997	200.00000	200.00001	200.00003	
UnBiased	24	200.00002	200.00000	200.00002	200.00000	199.99997	200.00002	
	25	199.99998	199.99992	199.99995	199.99997	200.00006	200.00000	
	33	200.00005	200.00009	199.99994	200.00003	199.99995	200.00005	
	34	200.00003	200.00000	199.99995	200.00011	199.99998	199.99992	
	Min	199.99998	199.99992	199.99994	199.99997	199.99995	199.99992	
	Max	200.00005	200.00009	200.00002	200.00011	200.00006	200.00005	
	Average	200.00002	200.00000	199.99997	200.00003	199.99999	200.00000	



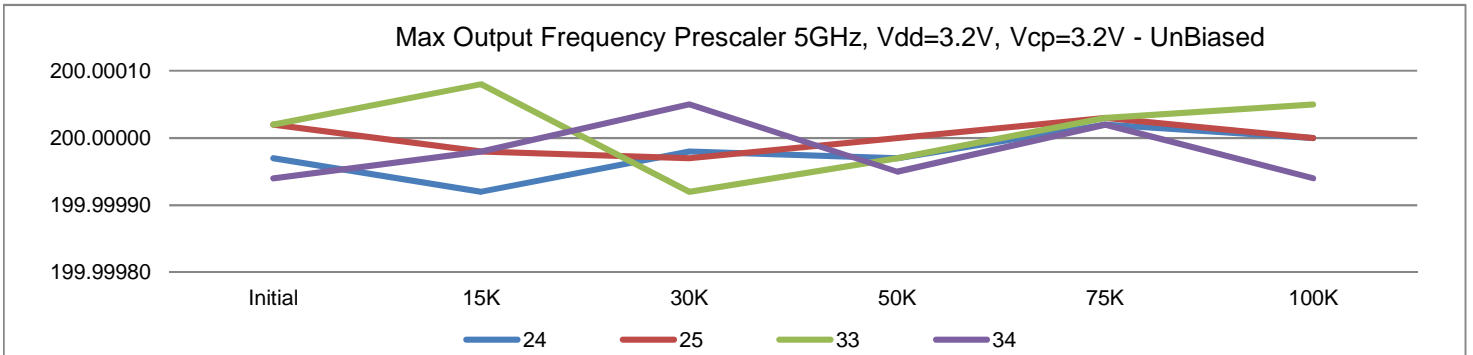
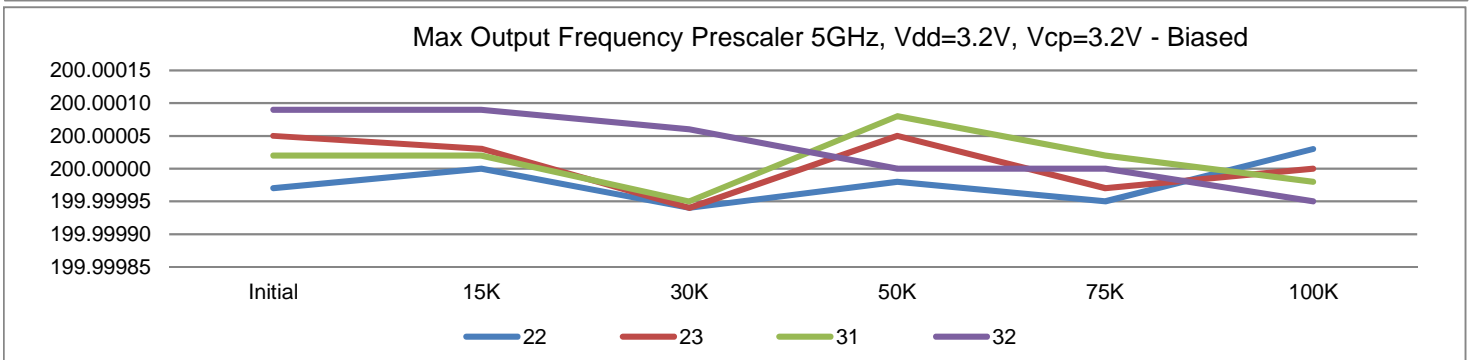
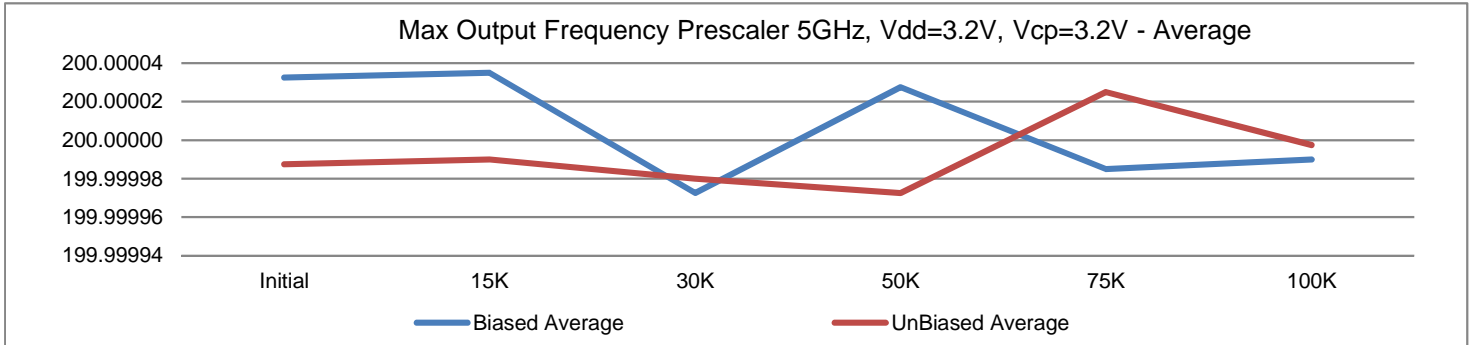
T# 49		Rfin Input Frequency 1GHz, Vdd=3.2V, Vcp=3.2V						kHz
SN		Initial	15K	30K	50K	75K	100K	Limit
Control	2	200.00003	200.00002	200.00000	199.99997	200.00003	199.99995	See Notes
	48	200.00003	200.00002	200.00002	199.99989	199.99994	199.99998	
Biased	22	200.00002	200.00002	199.99995	199.99998	199.99998	199.99998	
	23	200.00005	200.00000	199.99994	200.00006	199.99997	200.00006	
	31	200.00003	199.99995	199.99997	200.00000	199.99998	200.00002	
	32	199.99995	199.99998	200.00009	200.00000	199.99995	200.00003	
	Min	199.99995	199.99995	199.99994	199.99998	199.99995	199.99998	
	Max	200.00005	200.00002	200.00009	200.00006	199.99998	200.00006	
	Average	200.00001	199.99999	199.99999	200.00001	199.99997	200.00002	
UnBiased	24	199.99998	199.99995	199.99992	200.00003	200.00005	200.00000	
	25	200.00000	200.00003	199.99998	200.00005	199.99998	199.99998	
	33	200.00006	199.99995	199.99991	200.00008	199.99995	200.00002	
	34	200.00005	200.00000	199.99997	199.99997	200.00000	199.99997	
	Min	199.99998	199.99995	199.99991	199.99997	199.99995	199.99997	
	Max	200.00006	200.00003	199.99998	200.00008	200.00005	200.00002	
	Average	200.00002	199.99998	199.99995	200.00003	200.00000	199.99999	



T# 50	Max Output Frequency Prescaler 2.45GHz Vdd=3.2V, Vcp=3.2V						kHz	
SN	Initial	15K	30K	50K	75K	100K	Limit	
Control	2	200.00002	200.00003	199.99998	199.99994	200.00002	200.00005	See Notes
	48	199.99998	199.99995	200.00000	199.99994	200.00000	200.00002	
Biased	22	200.00000	199.99997	200.00002	200.00006	200.00002	200.00000	
	23	200.00002	200.00000	200.00006	199.99997	199.99997	199.99998	
	31	199.99998	200.00003	200.00000	199.99992	199.99994	200.00000	
	32	200.00003	199.99994	200.00000	200.00002	200.00003	200.00005	
	Min	199.99998	199.99994	200.00000	199.99992	199.99994	199.99998	
	Max	200.00003	200.00003	200.00006	200.00006	200.00003	200.00005	
	Average	200.00001	199.99999	200.00002	199.99999	199.99999	200.00001	
UnBiased	24	199.99997	199.99998	199.99998	200.00002	200.00002	200.00006	
	25	199.99998	200.00002	200.00000	200.00002	199.99998	200.00003	
	33	200.00005	200.00008	200.00006	199.99998	199.99997	200.00002	
	34	199.99998	200.00003	200.00002	200.00006	200.00002	199.99997	
	Min	199.99997	199.99998	199.99998	199.99998	199.99997	199.99997	
	Max	200.00005	200.00008	200.00006	200.00006	200.00002	200.00006	
	Average	200.00000	200.00003	200.00002	200.00002	200.00000	200.00002	



	T# 51	Rfin Input Frequency 5GHz, Vdd=3.2V, Vcp=3.2V						kHz
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	200.00002	200.00003	199.99998	199.99998	200.00000	199.99984	See Notes
	48	200.00002	200.00011	200.00003	199.99997	199.99997	200.00002	
Biased	22	199.99997	200.00000	199.99994	199.99998	199.99995	200.00003	
	23	200.00005	200.00003	199.99994	200.00005	199.99997	200.00000	
	31	200.00002	200.00002	199.99995	200.00008	200.00002	199.99998	
	32	200.00009	200.00009	200.00006	200.00000	200.00000	199.99995	
	Min	199.99997	200.00000	199.99994	199.99998	199.99995	199.99995	
	Max	200.00009	200.00009	200.00006	200.00008	200.00002	200.00003	
	Average	200.00003	200.00004	199.99997	200.00003	199.99999	199.99999	
UnBiased	24	199.99997	199.99992	199.99998	199.99997	200.00002	200.00000	
	25	200.00002	199.99998	199.99997	200.00000	200.00003	200.00000	
	33	200.00002	200.00008	199.99992	199.99997	200.00003	200.00005	
	34	199.99994	199.99998	200.00005	199.99995	200.00002	199.99994	
	Min	199.99994	199.99992	199.99992	199.99995	200.00002	199.99994	
	Max	200.00002	200.00008	200.00005	200.00000	200.00003	200.00005	
	Average	199.99999	199.99999	199.99998	199.99997	200.00003	200.00000	



	T# 53	Muxout N-Chan VOH (Dynamic)						V
	SN	Initial	15K	30K	50K	75K	100K	Limit
Control	2	1.77282	1.7728	1.77198	1.77277	1.77374	1.77373	>1.4
	48	1.77288	1.77318	1.77217	1.77287	1.77358	1.77386	
Biased	22	1.77272	1.77219	1.77188	1.77297	1.77419	1.7736	
	23	1.77295	1.77238	1.77175	1.77335	1.77394	1.7736	
	31	1.77295	1.77261	1.772	1.77303	1.7739	1.77373	
	32	1.77269	1.772	1.77201	1.773	1.77403	1.7737	
	Min	1.7727	1.7720	1.7718	1.7730	1.7739	1.7736	
	Max	1.7730	1.7726	1.7723	1.7734	1.7742	1.7737	
	Average	1.7728	1.7723	1.7720	1.7731	1.7740	1.7737	
UnBiased	24	1.77263	1.77254	1.77191	1.77297	1.77387	1.77338	
	25	1.77298	1.77258	1.77175	1.77277	1.77381	1.77322	
	33	1.77308	1.77245	1.77182	1.77341	1.77384	1.77347	
	34	1.77336	1.77242	1.77207	1.77277	1.77381	1.77309	
	Min	1.7726	1.7724	1.7718	1.7728	1.7738	1.7731	
	Max	1.7734	1.7726	1.7721	1.7734	1.7739	1.7735	
	Average	1.7730	1.7725	1.7719	1.7730	1.7738	1.7733	

