

**RADIATION TEST REPORT**

PRODUCT:	AD8041SQMLR
DATE CODE:	0919
GAMMA:	0, 30k, 50k, 100k
GAMMA SOURCE:	Co60
DOSE RATE:	7.7 mRad/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	2009/2010

The RADTEST<sup>SM</sup> 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.

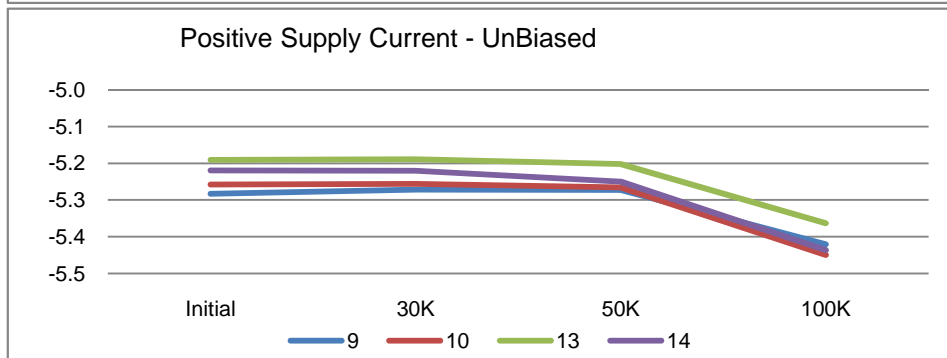
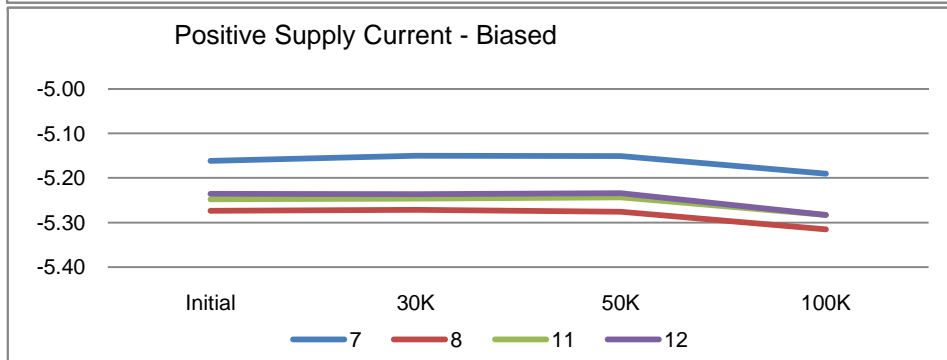
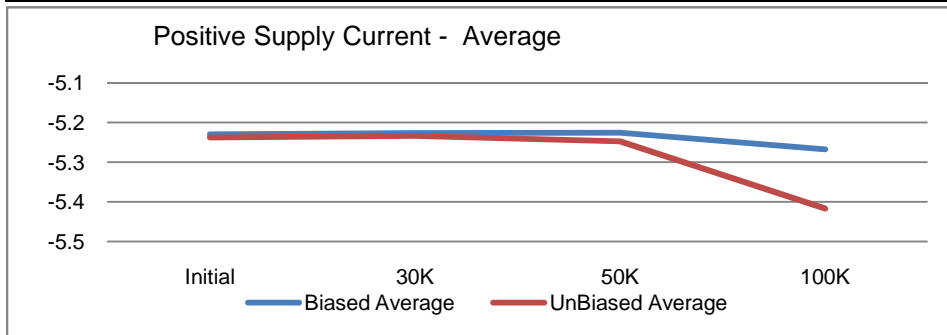
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**WARNING:**

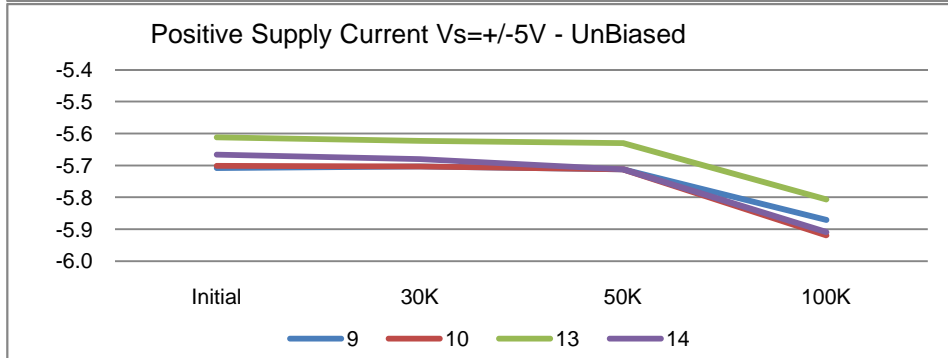
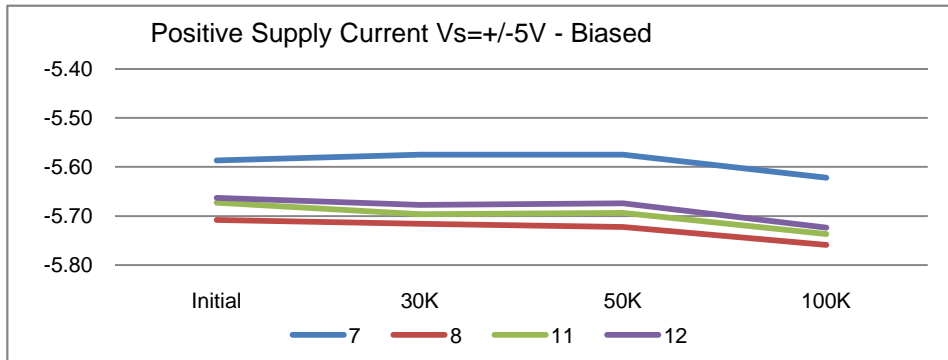
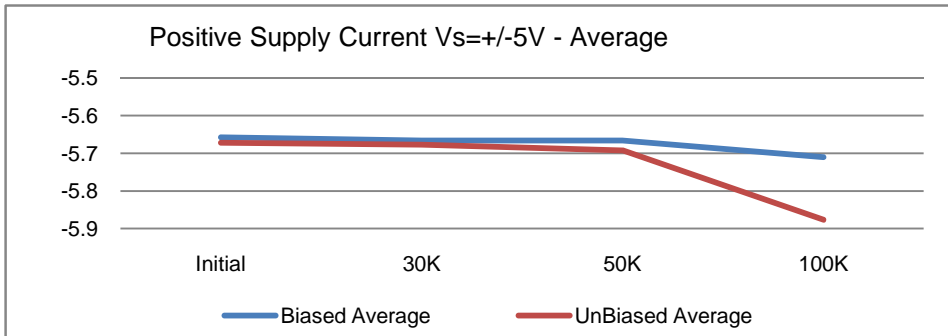
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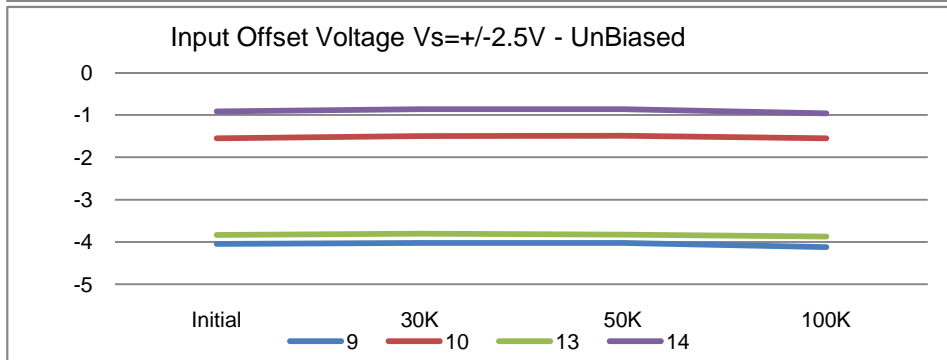
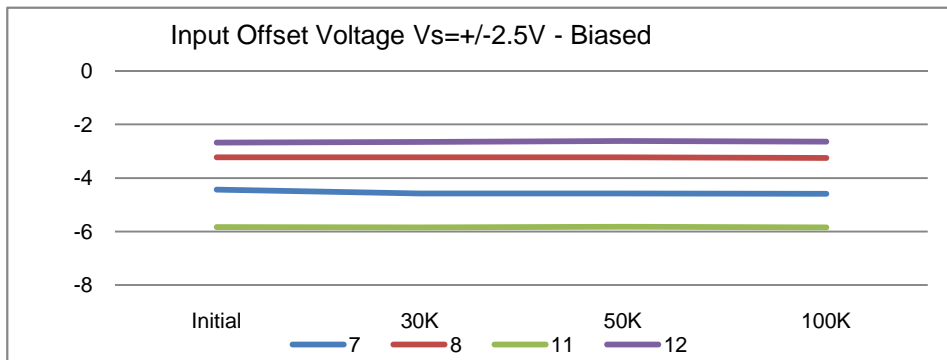
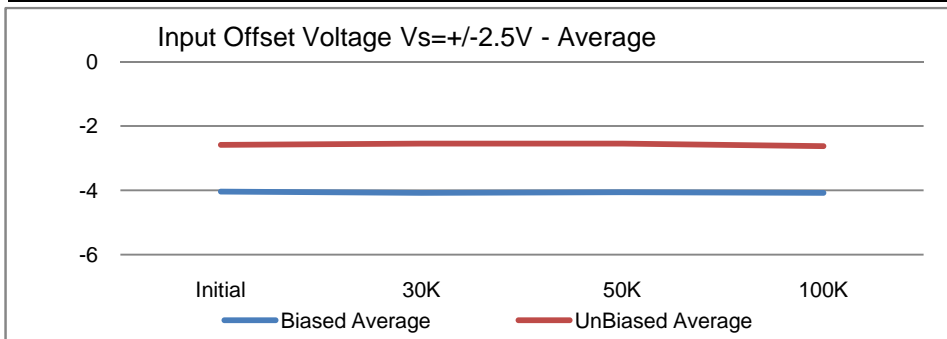
	T# 2	I -SUPPLY Vs= +2.5V				mA
	SN	Initial	30K	50K	100K	Limit
Control	19	-5.26092	-5.22705	-5.24034	-5.26088	>-6.1
Biased	7	-5.16185	-5.15029	-5.15077	-5.19057	
	8	-5.2737	-5.27183	-5.27553	-5.31521	
	11	-5.24813	-5.246	-5.24354	-5.28325	
	12	-5.23535	-5.23665	-5.23394	-5.28325	
	Min	-5.2737	-5.2718	-5.2755	-5.3152	
	Max	-5.1619	-5.1503	-5.1508	-5.1906	
	Average	-5.2298	-5.2263	-5.2259	-5.2681	
UnBiased	9	-5.28329	-5.27183	-5.27233	-5.42067	
	10	-5.25772	-5.25584	-5.26593	-5.44943	
	13	-5.19061	-5.18867	-5.20195	-5.36314	
	14	-5.21937	-5.22065	-5.24994	-5.43665	
	Min	-5.2833	-5.2718	-5.2723	-5.4494	
	Max	-5.1906	-5.1887	-5.2020	-5.3631	
	Average	-5.2377	-5.2342	-5.2475	-5.4175	



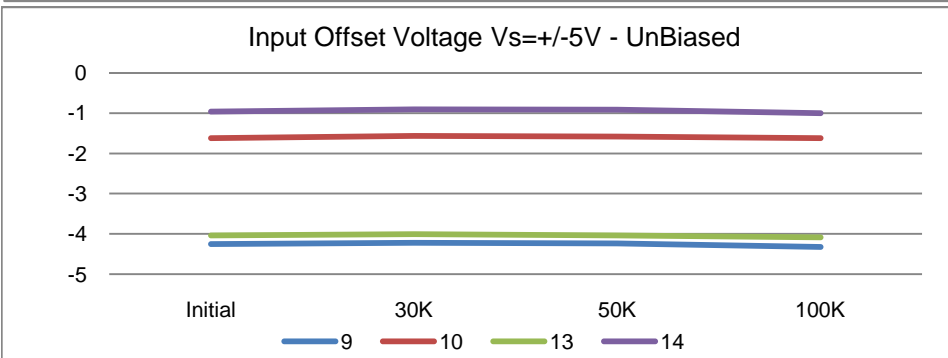
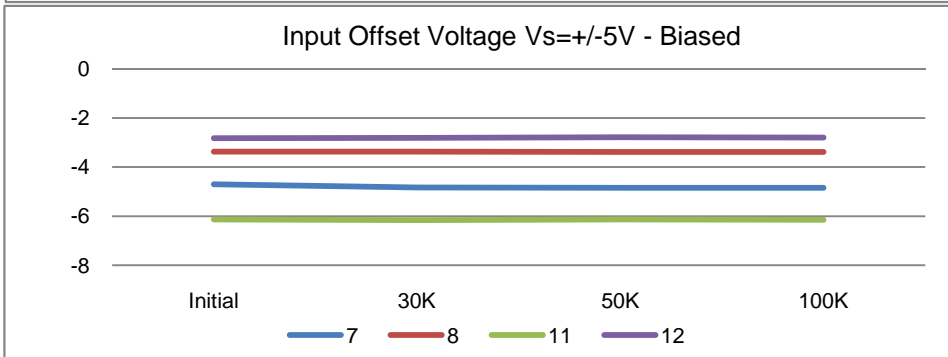
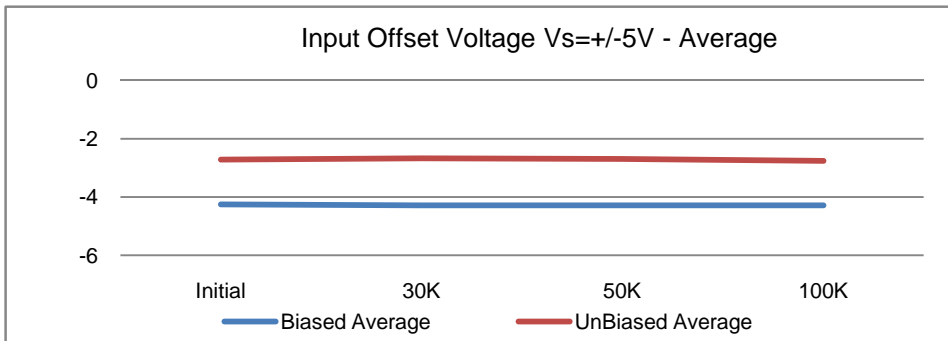
	T# 3	I -SUPPLY Vs= +/-5V				mA
	SN	Initial	30K	50K	100K	Limit
Control	19	-5.6887	-5.64853	-5.67758	-5.69194	>-6.1
Biased	7	-5.58644	-5.57496	-5.57522	-5.62163	
	8	-5.70788	-5.7157	-5.72237	-5.75905	
	11	-5.67272	-5.697	-5.69358	-5.73668	
	12	-5.66314	-5.67732	-5.67438	-5.7239	
	Min	-5.7079	-5.7157	-5.7224	-5.7591	
	Max	-5.5864	-5.5750	-5.5752	-5.6216	
	Average	-5.6575	-5.6661	-5.6664	-5.7103	
UnBiased	9	-5.70788	-5.70291	-5.71277	-5.8709	
	10	-5.70149	-5.70291	-5.71277	-5.91884	
	13	-5.612	-5.62294	-5.6296	-5.80699	
	14	-5.66633	-5.68052	-5.71277	-5.90925	
	Min	-5.7079	-5.7029	-5.7128	-5.9188	
	Max	-5.6120	-5.6229	-5.6296	-5.8070	
	Average	-5.6719	-5.6773	-5.6920	-5.8765	



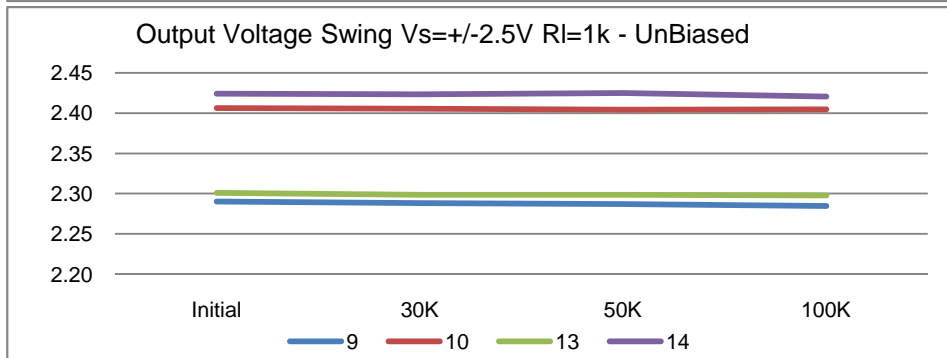
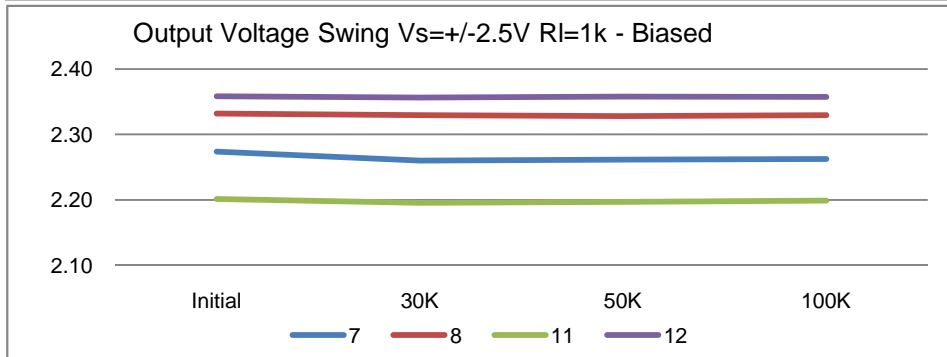
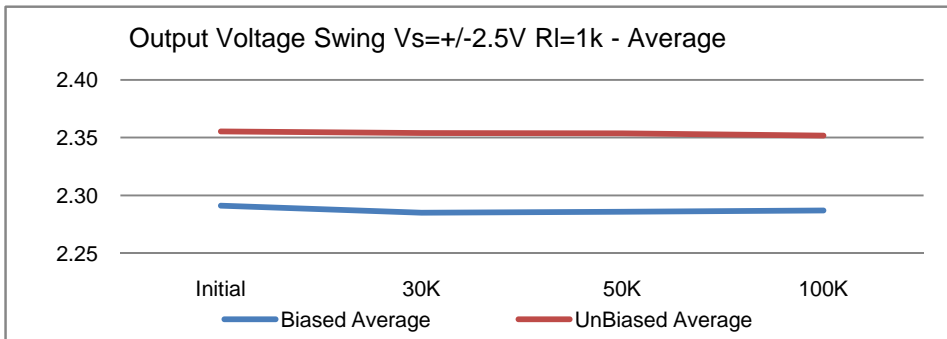
	T# 4	Vos Vs= +/-2.5V				mV
	SN	Initial	30K	50K	100K	Limit
Control	19	-4.82838	-2.64257	-4.81439	-4.82837	+/-9.5
Biased	7	-4.43282	-4.58213	-4.57587	-4.58978	
	8	-3.23357	-3.22632	-3.22633	-3.2524	
	11	-5.83299	-5.850	-5.82497	-5.84553	
	12	-2.67476	-2.65513	-2.62375	-2.64336	
	Min	-5.8330	-5.8501	-5.8250	-5.8455	
	Max	-2.6748	-2.6551	-2.6238	-2.6434	
	Average	-4.0435	-4.0784	-4.0627	-4.0828	
UnBiased	9	-4.04353	-4.02349	-4.0235	-4.11887	
	10	-1.55086	-1.50018	-1.48763	-1.55086	
	13	-3.83006	-3.8038	-3.82891	-3.874	
	14	-0.9167	-0.86621	-0.86621	-0.96065	
	Min	-4.0435	-4.0235	-4.0235	-4.1189	
	Max	-0.9167	-0.8662	-0.8662	-0.9607	
	Average	-2.5853	-2.5484	-2.5516	-2.6261	



	T# 5	Vos Vs= +-5V				mV
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>-5.10465</b>	<b>-2.79949</b>	<b>-5.10313</b>	<b>-5.10464</b>	<b>+/-9.5</b>
<b>Biased</b>	<b>7</b>	-4.69653	-4.83321	-4.8395	-4.84093	
	<b>8</b>	-3.3717	-3.36441	-3.37698	-3.38426	
	<b>11</b>	-6.14065	-6.164	-6.13882	-6.14692	
	<b>12</b>	-2.81917	-2.81205	-2.78695	-2.79405	
	<b>Min</b>	-6.1407	-6.1639	-6.1388	-6.1469	
	<b>Max</b>	-2.8192	-2.8121	-2.7870	-2.7941	
	<b>Average</b>	-4.2570	-4.2934	-4.2856	-4.2915	
<b>UnBiased</b>	<b>9</b>	-4.25073	-4.21807	-4.23691	-4.31979	
	<b>10</b>	-1.61992	-1.56922	-1.58178	-1.6262	
	<b>13</b>	-4.03725	-4.00466	-4.03605	-4.08748	
	<b>14</b>	-0.96065	-0.91015	-0.91643	-1.0046	
	<b>Min</b>	-4.2507	-4.2181	-4.2369	-4.3198	
	<b>Max</b>	-0.9607	-0.9102	-0.9164	-1.0046	
	<b>Average</b>	-2.7171	-2.6755	-2.6928	-2.7595	

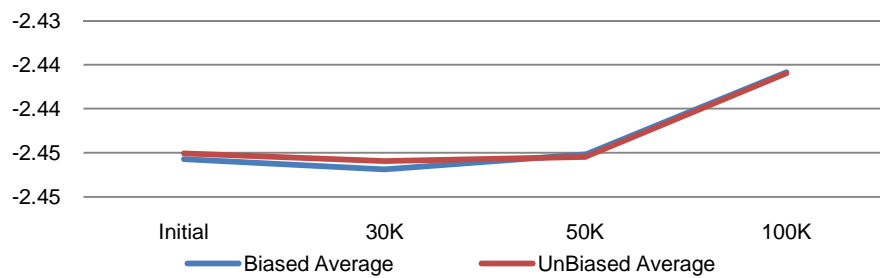


	T# 6	+2.5V PSwing RL=1K				V
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>2.2506</b>	<b>2.35679</b>	<b>2.24813</b>	<b>2.25088</b>	<b>&gt;1.75</b>
<b>Biased</b>	<b>7</b>	2.27364	2.26014	2.26157	2.2624	
	<b>8</b>	2.33187	2.32927	2.32814	2.32959	
	<b>11</b>	2.20133	2.195	2.19692	2.19905	
	<b>12</b>	2.35811	2.35615	2.35758	2.35711	
	<b>Min</b>	2.2013	2.1955	2.1969	2.1991	
	<b>Max</b>	2.3581	2.3562	2.3576	2.3571	
	<b>Average</b>	2.2912	2.2853	2.2861	2.2870	
<b>UnBiased</b>	<b>9</b>	2.29028	2.2883	2.28717	2.2848	
	<b>10</b>	2.4061	2.40544	2.40431	2.40447	
	<b>13</b>	2.30115	2.29854	2.29869	2.2976	
	<b>14</b>	2.42402	2.42336	2.42479	2.42046	
	<b>Min</b>	2.2903	2.2883	2.2872	2.2848	
	<b>Max</b>	2.4240	2.4234	2.4248	2.4205	
	<b>Average</b>	2.3554	2.3539	2.3537	2.3518	

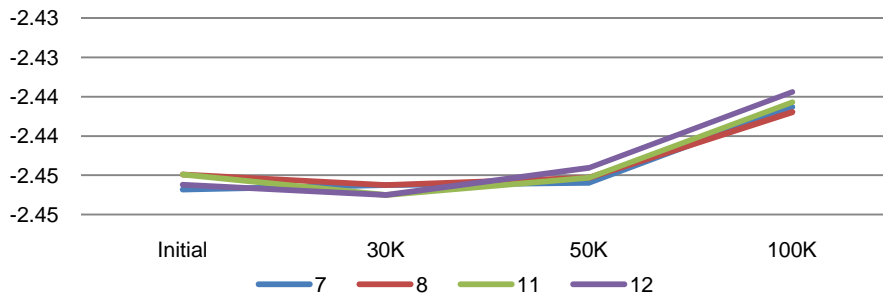


	T# 7	-2.5V NSwing RL=1K				V
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>-2.4462</b>	<b>-2.44753</b>	<b>-2.44788</b>	<b>-2.44144</b>	<b>&lt;-2.15</b>
<b>Biased</b>	<b>7</b>	-2.44684	-2.44625	-2.44596	-2.43632	
	<b>8</b>	-2.44492	-2.44625	-2.44532	-2.43696	
	<b>11</b>	-2.44492	-2.448	-2.44532	-2.43568	
	<b>12</b>	-2.4462	-2.44753	-2.44404	-2.4344	
	<b>Min</b>	-2.4468	-2.4475	-2.4460	-2.4370	
	<b>Max</b>	-2.4449	-2.4463	-2.4440	-2.4344	
	<b>Average</b>	-2.4457	-2.4469	-2.4452	-2.4358	
<b>UnBiased</b>	<b>9</b>	-2.44492	-2.44497	-2.44724	-2.428	
	<b>10</b>	-2.44428	-2.44561	-2.44404	-2.4376	
	<b>13</b>	-2.44492	-2.44689	-2.44468	-2.44016	
	<b>14</b>	-2.4462	-2.44625	-2.44596	-2.43824	
	<b>Min</b>	-2.4462	-2.4469	-2.4472	-2.4402	
	<b>Max</b>	-2.4443	-2.4450	-2.4440	-2.4280	
	<b>Average</b>	-2.4451	-2.4459	-2.4455	-2.4360	

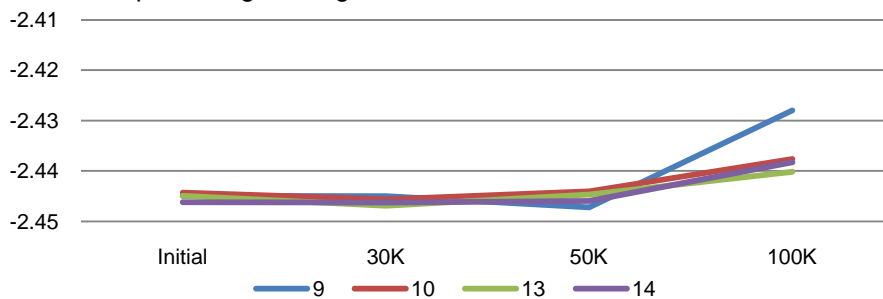
Output Voltage Swing Vs=+-2.5V RL=1k - Average



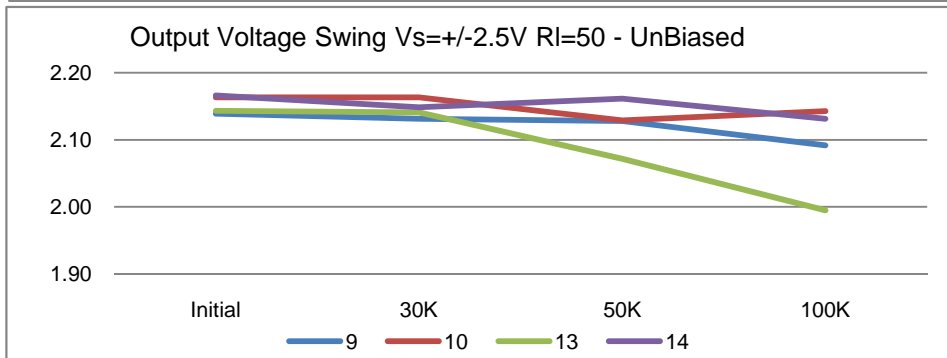
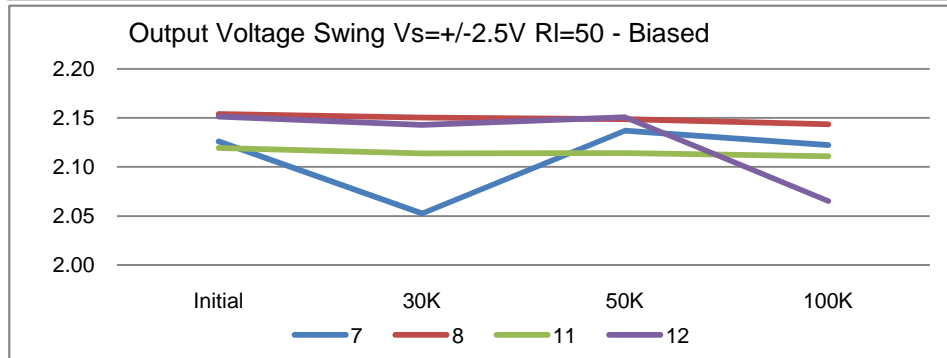
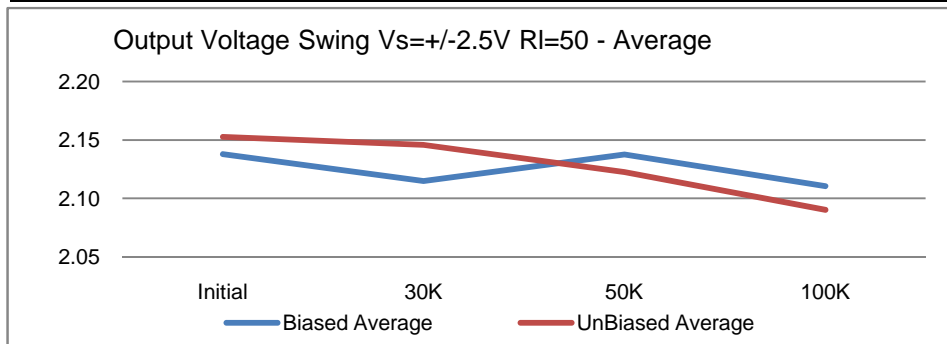
Output Voltage Swing Vs=+-2.5V RL=1k - Biased



Output Voltage Swing Vs=+-2.5V RL=1k - UnBiased

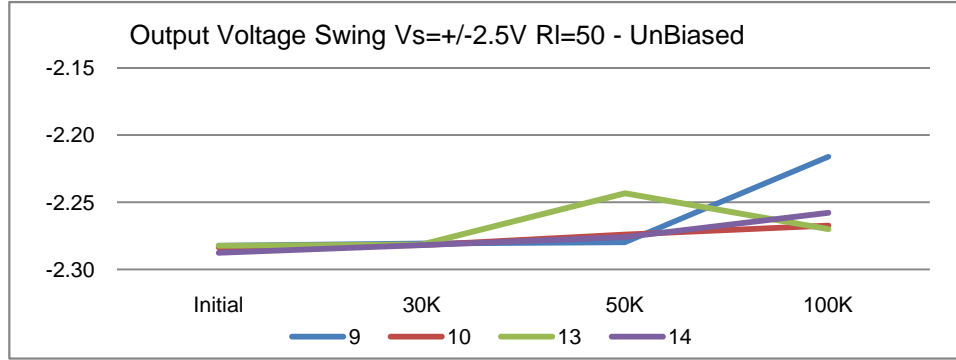
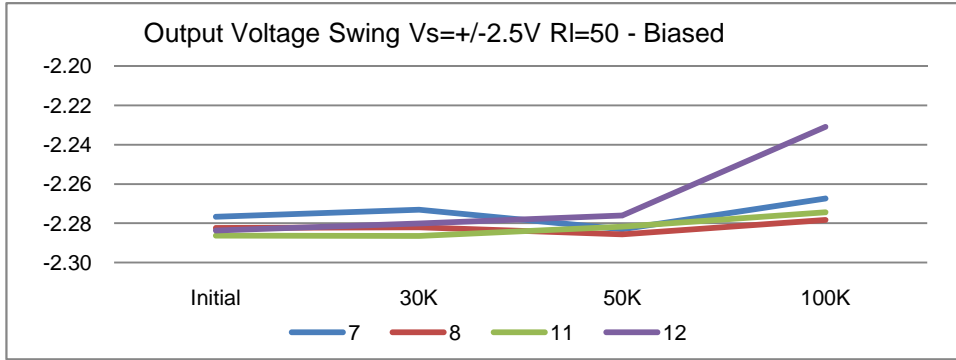
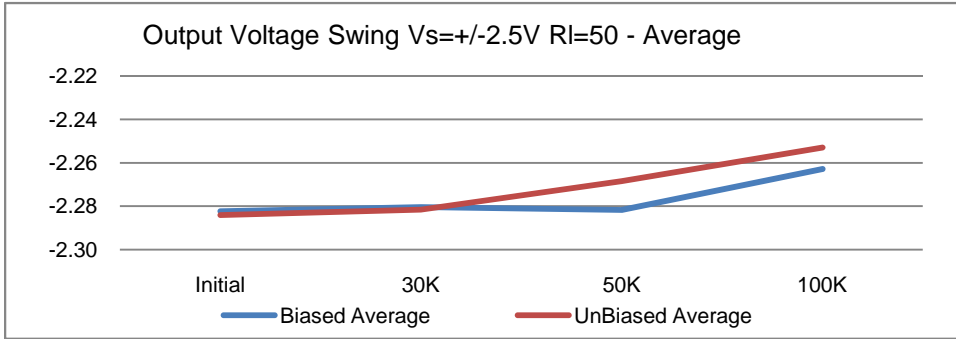


	T# 8	+2.5V PSwing RL=50				V
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>2.14507</b>	<b>2.15547</b>	<b>2.13774</b>	<b>2.13896</b>	<b>&gt;1.45</b>
<b>Biased</b>	<b>7</b>	2.12588	2.05241	2.1371	2.12232	
	<b>8</b>	2.15403	2.15035	2.14863	2.14344	
	<b>11</b>	2.11948	2.114	2.11406	2.1108	
	<b>12</b>	2.15147	2.14267	2.15055	2.06537	
	<b>Min</b>	2.1195	2.0524	2.1141	2.0654	
	<b>Max</b>	2.1540	2.1504	2.1506	2.1434	
	<b>Average</b>	2.1377	2.1148	2.1376	2.1105	
<b>UnBiased</b>	<b>9</b>	2.13867	2.13115	2.12814	2.0916	
	<b>10</b>	2.16299	2.16315	2.12878	2.1428	
	<b>13</b>	2.14315	2.14075	2.07182	1.99497	
	<b>14</b>	2.16619	2.14843	2.16143	2.13128	
	<b>Min</b>	2.1387	2.1312	2.0718	1.9950	
	<b>Max</b>	2.1662	2.1632	2.1614	2.1428	
	<b>Average</b>	2.1528	2.1459	2.1225	2.0902	

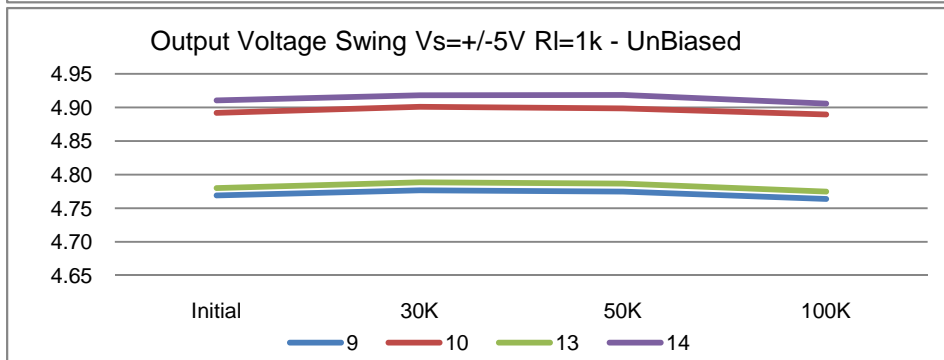
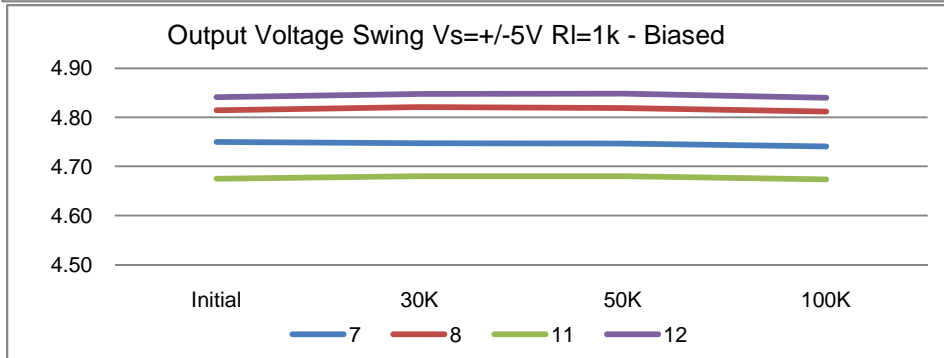
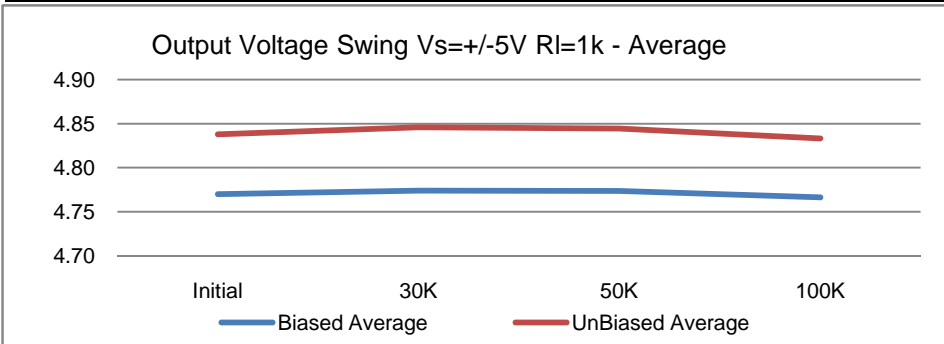




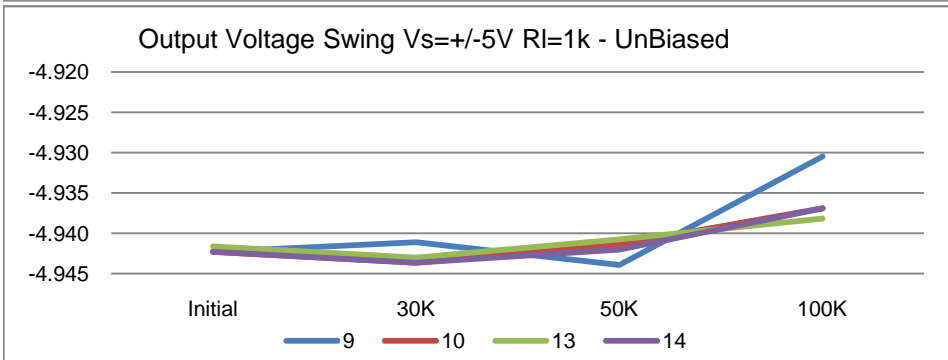
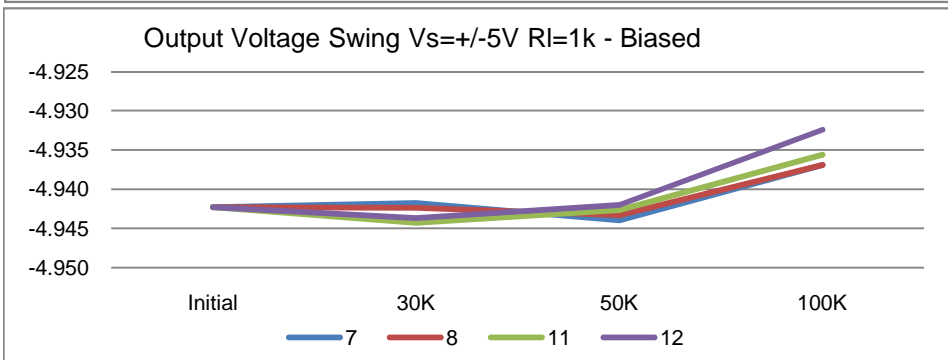
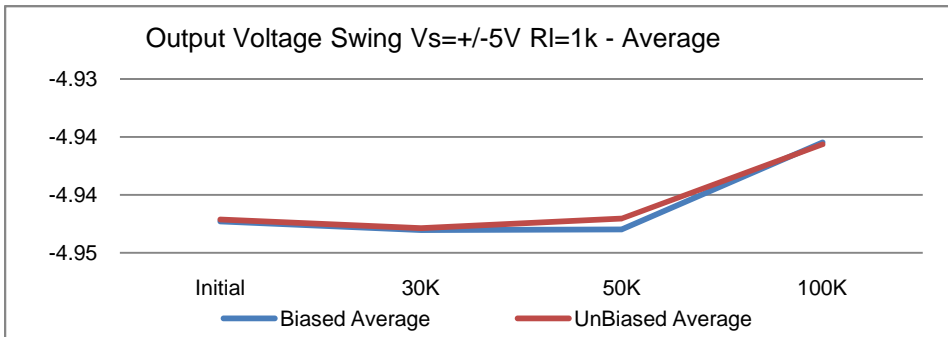
	T# 9	-2.5V NSwing RL=50				V
	SN	Initial	30K	50K	100K	Limit
Control	19	-2.28564	-2.28909	-2.28693	-2.28088	<-1.5
Biased	7	-2.27668	-2.27309	-2.28309	-2.26744	
	8	-2.28244	-2.28205	-2.28565	-2.27832	
	11	-2.28628	-2.287	-2.28181	-2.27448	
	12	-2.28372	-2.28013	-2.27605	-2.23096	
	Min	-2.2863	-2.2865	-2.2857	-2.2783	
	Max	-2.2767	-2.2731	-2.2761	-2.2310	
	Average	-2.2823	-2.2805	-2.2817	-2.2628	
UnBiased	9	-2.28244	-2.28077	-2.27989	-2.21624	
	10	-2.28372	-2.28205	-2.27413	-2.26744	
	13	-2.28244	-2.28141	-2.2434	-2.27	
	14	-2.28756	-2.28205	-2.27605	-2.25784	
	Min	-2.2876	-2.2821	-2.2799	-2.2700	
	Max	-2.2824	-2.2808	-2.2434	-2.2162	
	Average	-2.2840	-2.2816	-2.2684	-2.2529	



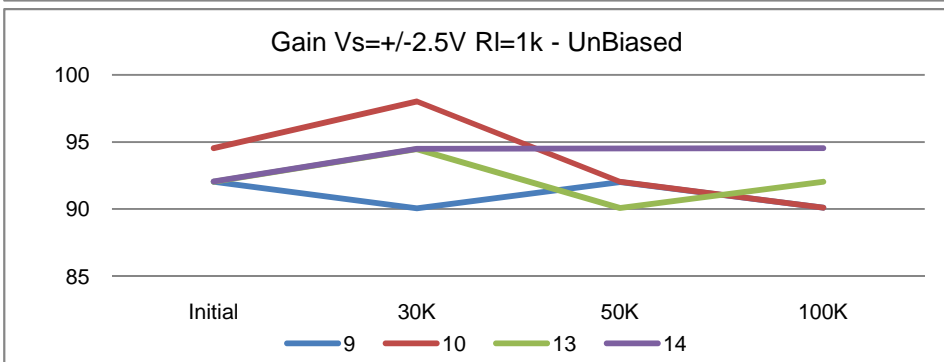
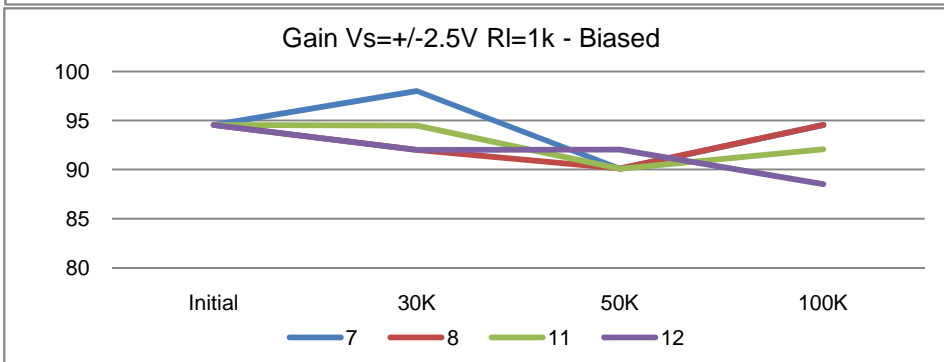
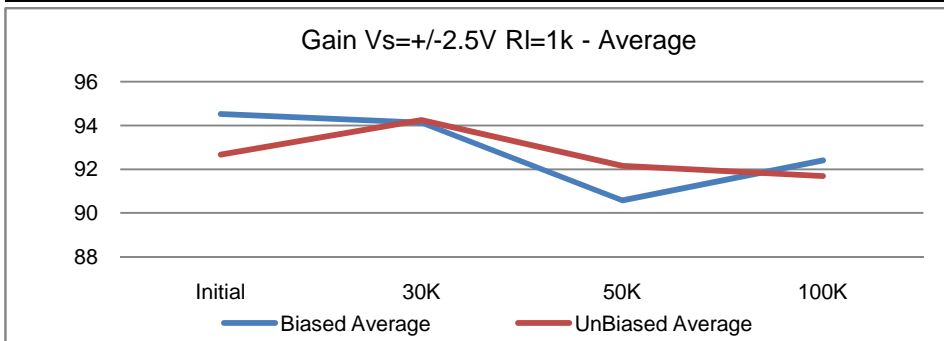
	T# 10	+5V PSwing RL=1K				V
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>4.72686</b>	<b>4.84973</b>	<b>4.73331</b>	<b>4.7265</b>	<b>N/A</b>
<b>Biased</b>	<b>7</b>	4.7499	4.74732	4.74676	4.74058	
	<b>8</b>	4.81453	4.82093	4.81908	4.81161	
	<b>11</b>	4.67502	4.680	4.68019	4.67339	
	<b>12</b>	4.84076	4.84781	4.84789	4.83977	
	<b>Min</b>	4.6750	4.6801	4.6802	4.6734	
	<b>Max</b>	4.8408	4.8478	4.8479	4.8398	
	<b>Average</b>	4.7701	4.7740	4.7735	4.7663	
<b>UnBiased</b>	<b>9</b>	4.76909	4.77676	4.77492	4.76362	
	<b>10</b>	4.89196	4.90094	4.89846	4.88968	
	<b>13</b>	4.77997	4.78828	4.78644	4.7745	
	<b>14</b>	4.91052	4.91823	4.9183	4.90568	
	<b>Min</b>	4.7691	4.7768	4.7749	4.7636	
	<b>Max</b>	4.9105	4.9182	4.9183	4.9057	
	<b>Average</b>	4.8379	4.8461	4.8445	4.8334	



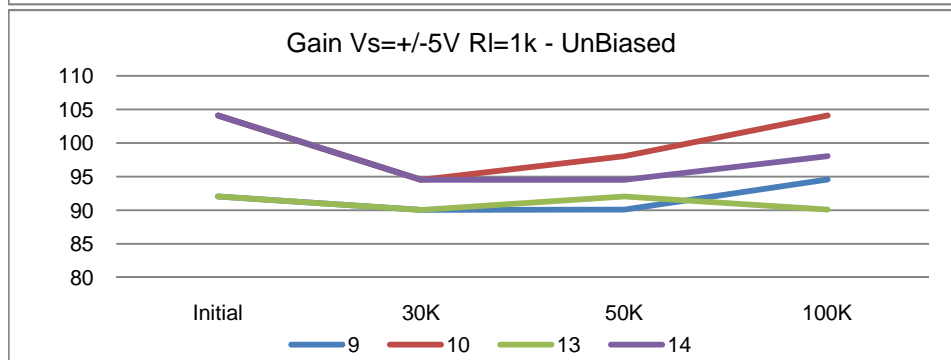
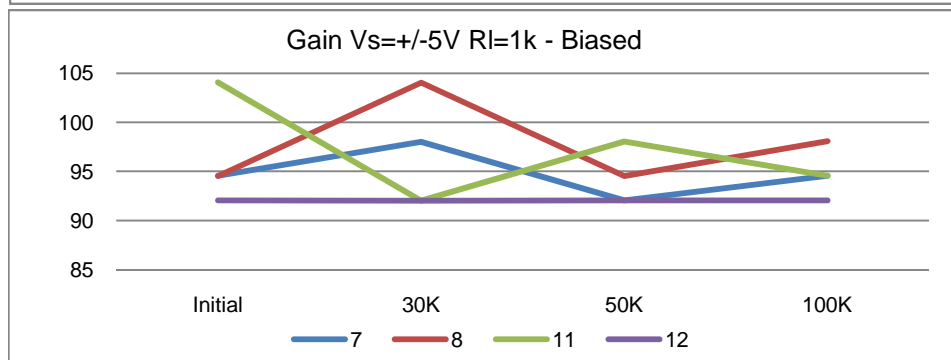
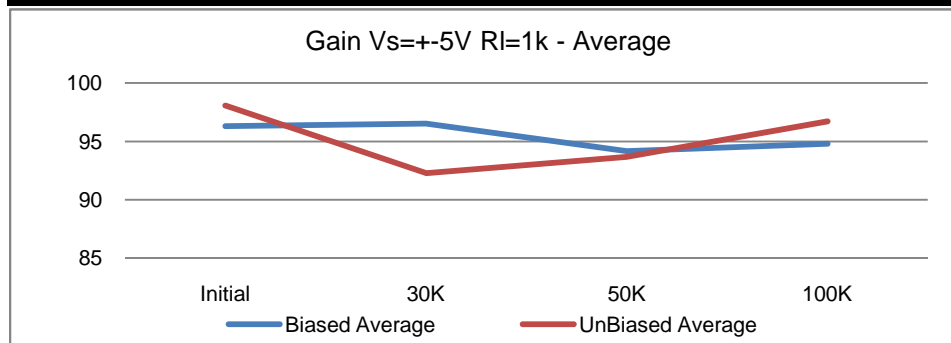
	T# 11	-5V NSwing RL=1K				V
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>-4.94165</b>	<b>-4.94367</b>	<b>-4.94459</b>	<b>-4.94265</b>	<b>N/A</b>
<b>Biased</b>	<b>7</b>	-4.94229	-4.94175	-4.94395	-4.9369	
	<b>8</b>	-4.94229	-4.94239	-4.94331	-4.9369	
	<b>11</b>	-4.94229	-4.944	-4.94267	-4.93562	
	<b>12</b>	-4.94229	-4.94367	-4.94203	-4.93242	
	<b>Min</b>	-4.9423	-4.9443	-4.9440	-4.9369	
	<b>Max</b>	-4.9423	-4.9418	-4.9420	-4.9324	
	<b>Average</b>	-4.9423	-4.9430	-4.9430	-4.9355	
<b>UnBiased</b>	<b>9</b>	-4.94229	-4.94111	-4.94395	-4.9305	
	<b>10</b>	-4.94229	-4.94367	-4.94139	-4.9369	
	<b>13</b>	-4.94165	-4.94303	-4.94075	-4.93818	
	<b>14</b>	-4.94229	-4.94367	-4.94203	-4.9369	
	<b>Min</b>	-4.9423	-4.9437	-4.9440	-4.9382	
	<b>Max</b>	-4.9417	-4.9411	-4.9408	-4.9305	
	<b>Average</b>	-4.9421	-4.9429	-4.9420	-4.9356	



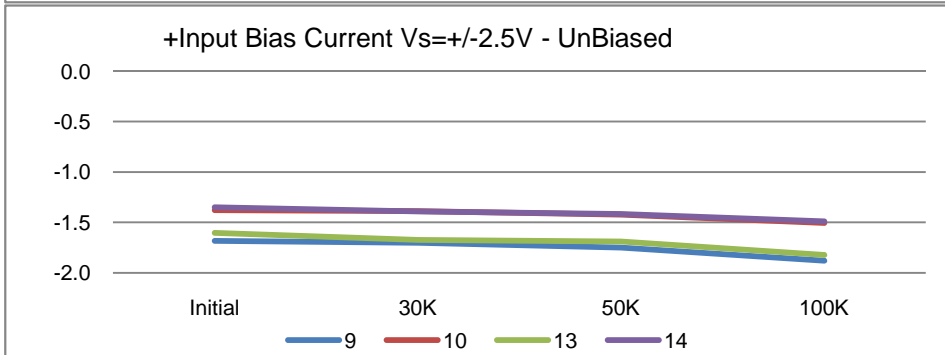
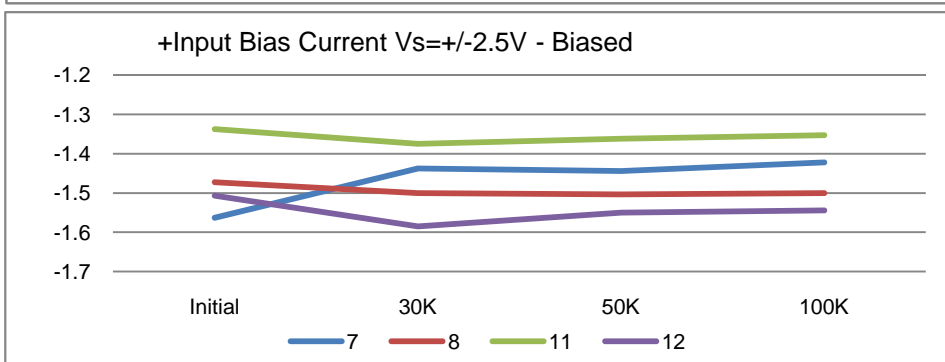
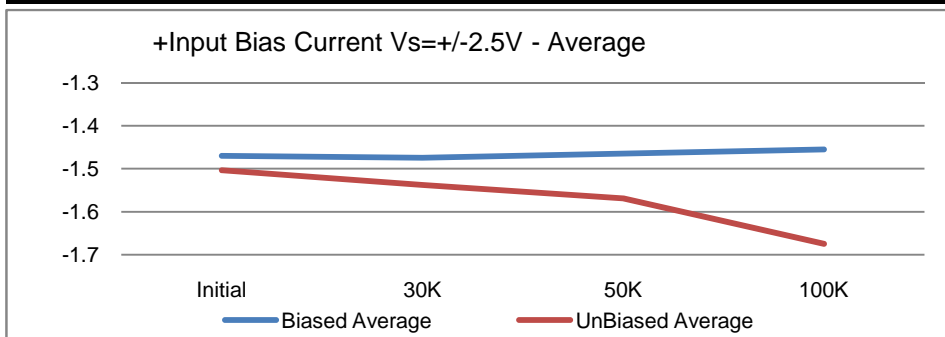
	T# 12	Avol Vs= +/-2.5V RL=1K				dB
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>98.05251</b>	<b>98.01855</b>	<b>94.51313</b>	<b>92.02638</b>	<b>&gt;83</b>
<b>Biased</b>	<b>7</b>	94.53069	98.01299	90.08726	94.52516	
	<b>8</b>	94.53622	92.00352	90.0928	94.5473	
	<b>11</b>	94.53622	94.491	90.08171	92.04852	
	<b>12</b>	94.53622	91.99796	92.031	88.5101	
	<b>Min</b>	94.5307	91.9980	90.0817	88.5101	
	<b>Max</b>	94.5362	98.0130	92.0310	94.5473	
	<b>Average</b>	94.5348	94.1264	90.5732	92.4078	
<b>UnBiased</b>	<b>9</b>	92.02637	90.05418	92.01991	90.09373	
	<b>10</b>	94.53622	98.01855	92.031	90.09373	
	<b>13</b>	92.03191	94.46886	90.07616	92.03746	
	<b>14</b>	92.05403	94.4856	94.50758	94.53624	
	<b>Min</b>	92.0264	90.0542	90.0762	90.0937	
	<b>Max</b>	94.5362	98.0186	94.5076	94.5362	
	<b>Average</b>	92.6621	94.2568	92.1587	91.6903	



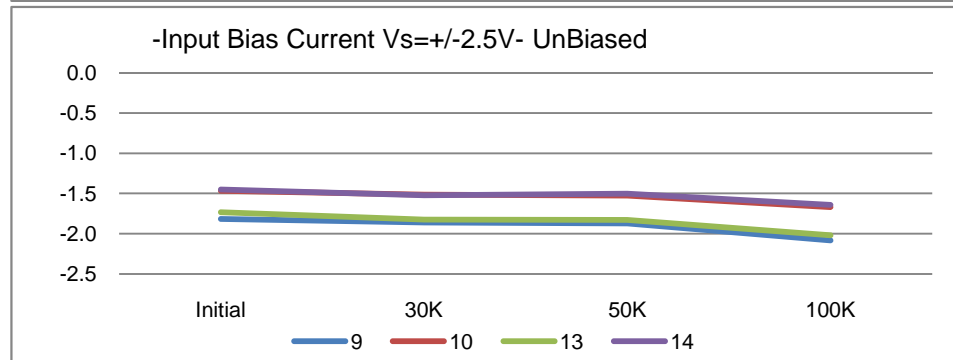
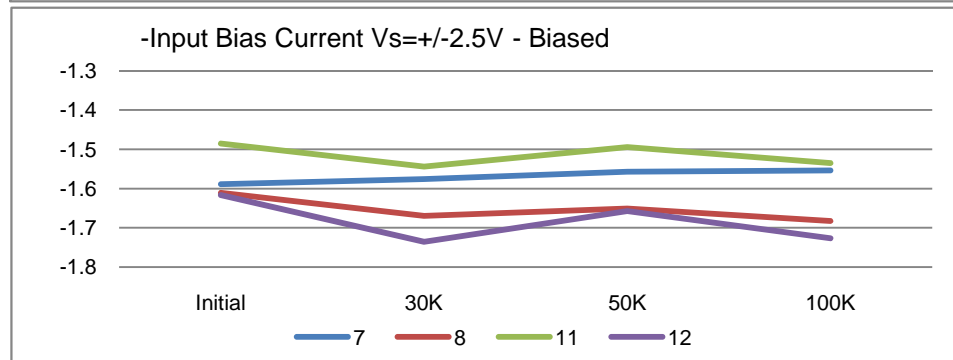
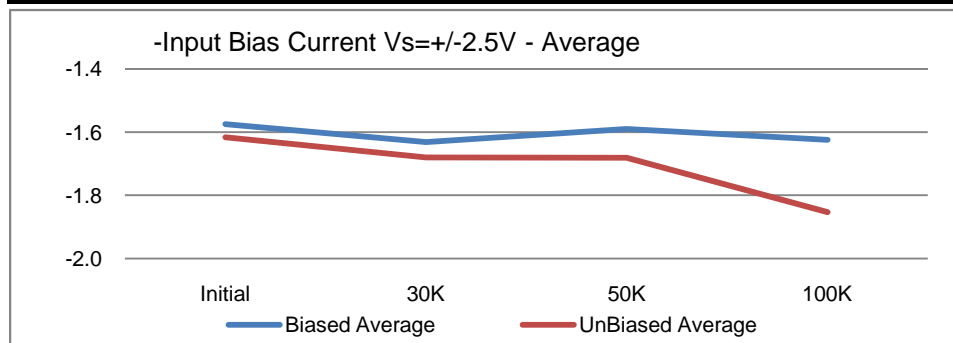
	T# 13	Avol Vs= +-5V RL=1K				dB
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>94.53069</b>	<b>98.02967</b>	<b>104.05</b>	<b>94.53624</b>	<b>&gt;83</b>
<b>Biased</b>	<b>7</b>	94.54176	98.02412	92.02546	94.53624	
	<b>8</b>	94.52514	104.0336	94.51313	98.0636	
	<b>11</b>	104.0842	92.015	98.04606	94.53624	
	<b>12</b>	92.04851	92.00907	92.03654	92.043	
	<b>Min</b>	92.0485	92.0091	92.0255	92.0430	
	<b>Max</b>	104.0842	104.0336	98.0461	98.0636	
	<b>Average</b>	96.2999	96.5204	94.1553	94.7948	
<b>UnBiased</b>	<b>9</b>	92.03191	90.05975	90.0706	94.55835	
	<b>10</b>	104.0786	94.50229	98.04051	104.0897	
	<b>13</b>	92.02637	90.05418	92.01991	90.09926	
	<b>14</b>	104.0842	94.50229	94.52978	98.0636	
	<b>Min</b>	92.0264	90.0542	90.0706	90.0993	
	<b>Max</b>	104.0842	94.5023	98.0405	104.0897	
	<b>Average</b>	98.0553	92.2796	93.6652	96.7027	



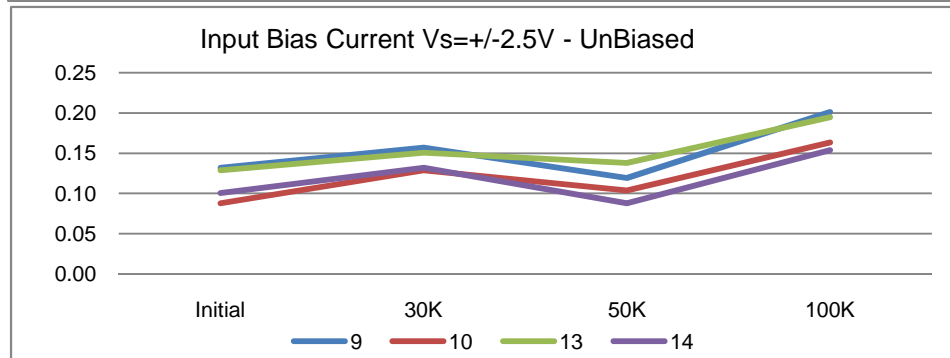
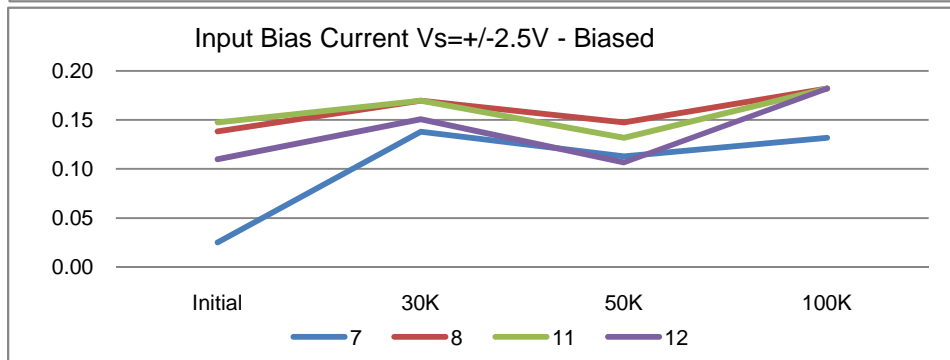
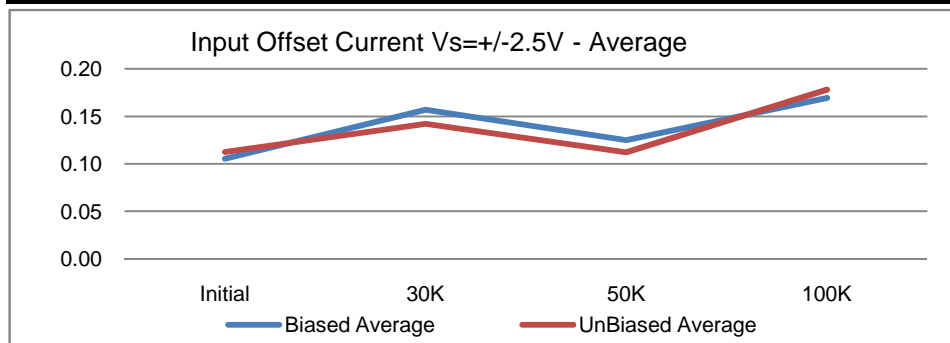
	T# 14	+IB Vs= +/-2.5V				uA
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>-1.42214</b>	<b>-1.59747</b>	<b>-1.41858</b>	<b>-1.39703</b>	<b>+/-3.4</b>
<b>Biased</b>	<b>7</b>	-1.56342	-1.43741	-1.44369	-1.42214	
	<b>8</b>	-1.47237	-1.50018	-1.50332	-1.50063	
	<b>11</b>	-1.33738	-1.375	-1.36209	-1.35307	
	<b>12</b>	-1.50691	-1.58492	-1.5504	-1.54458	
	<b>Min</b>	-1.5634	-1.5849	-1.5504	-1.5446	
	<b>Max</b>	-1.3374	-1.3746	-1.3621	-1.3531	
	<b>Average</b>	-1.4700	-1.4743	-1.4649	-1.4551	
<b>UnBiased</b>	<b>9</b>	-1.68271	-1.70104	-1.75126	-1.88049	
	<b>10</b>	-1.37819	-1.38719	-1.42172	-1.5069	
	<b>13</b>	-1.60423	-1.67279	-1.68849	-1.82398	
	<b>14</b>	-1.34994	-1.39033	-1.41544	-1.48807	
	<b>Min</b>	-1.6827	-1.7010	-1.7513	-1.8805	
	<b>Max</b>	-1.3499	-1.3872	-1.4154	-1.4881	
	<b>Average</b>	-1.5038	-1.5378	-1.5692	-1.6749	



	T# 15	-IB Vs= +/-2.5V				uA
	SN	Initial	30K	50K	100K	Limit
Control	19	-1.56028	-1.75753	-1.56923	-1.5226	+/-3.4
Biased	7	-1.58853	-1.5755	-1.55667	-1.554	
	8	-1.61051	-1.66965	-1.65083	-1.68271	
	11	-1.48493	-1.544	-1.4939	-1.53516	
	12	-1.61679	-1.73556	-1.6571	-1.72666	
	Min	-1.6168	-1.7356	-1.6571	-1.7267	
	Max	-1.4849	-1.5441	-1.4939	-1.5352	
	Average	-1.5752	-1.6312	-1.5896	-1.6246	
UnBiased	9	-1.81457	-1.85796	-1.87052	-2.08141	
	10	-1.46609	-1.51587	-1.52529	-1.67015	
	13	-1.73294	-1.82344	-1.82658	-2.01862	
	14	-1.4504	-1.52215	-1.50332	-1.6419	
	Min	-1.8146	-1.8580	-1.8705	-2.0814	
	Max	-1.4504	-1.5159	-1.5033	-1.6419	
	Average	-1.6160	-1.6799	-1.6814	-1.8530	

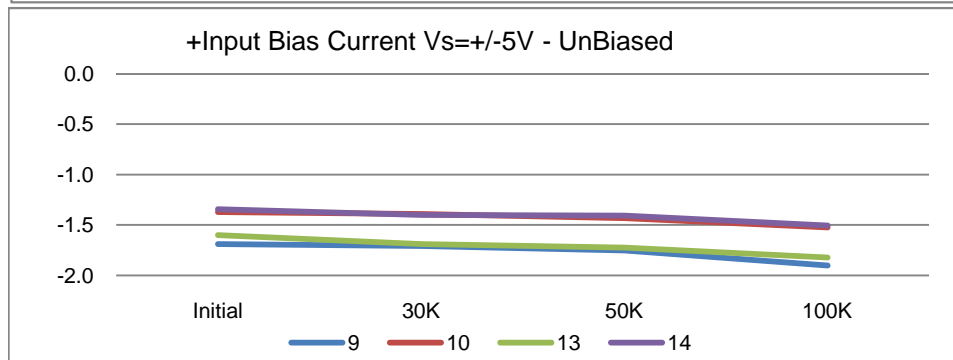
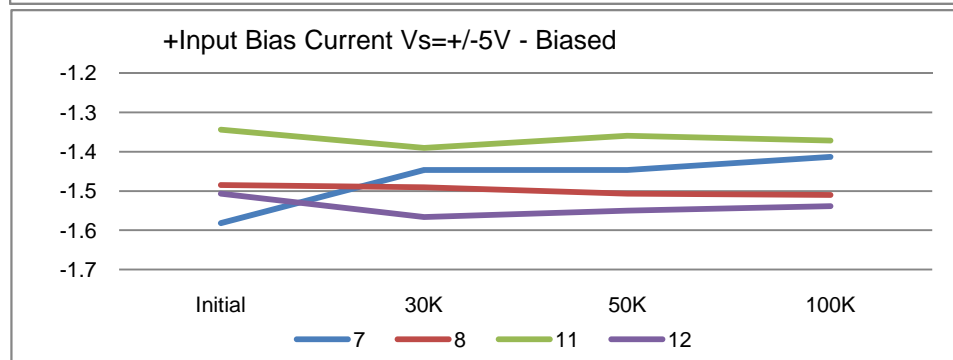
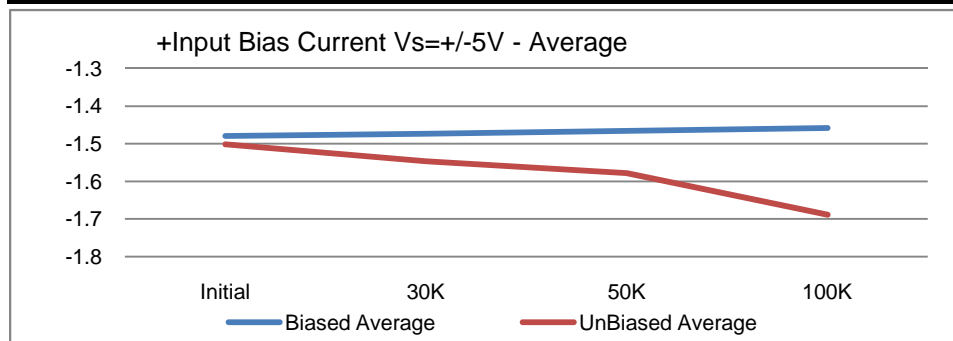


	T# 16	Ios Vs= +/-2.5V				uA
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>0.13813</b>	<b>0.16006</b>	<b>0.15065</b>	<b>0.12558</b>	<b>+/-0.7</b>
<b>Biased</b>	<b>7</b>	0.02512	0.13809	0.11298	0.13185	
	<b>8</b>	0.13813	0.16948	0.14751	0.18208	
	<b>11</b>	0.14755	0.169	0.13182	0.18208	
	<b>12</b>	0.10988	0.15065	0.10671	0.18208	
	<b>Min</b>	0.0251	0.1381	0.1067	0.1319	
	<b>Max</b>	0.1476	0.1695	0.1475	0.1821	
	<b>Average</b>	0.1052	0.1569	0.1248	0.1695	
<b>UnBiased</b>	<b>9</b>	0.13185	0.15692	0.11926	0.20092	
	<b>10</b>	0.0879	0.12868	0.10357	0.16325	
	<b>13</b>	0.12871	0.15065	0.13809	0.19464	
	<b>14</b>	0.10046	0.13181	0.08788	0.15383	
	<b>Min</b>	0.0879	0.1287	0.0879	0.1538	
	<b>Max</b>	0.1319	0.1569	0.1381	0.2009	
	<b>Average</b>	0.1122	0.1420	0.1122	0.1782	

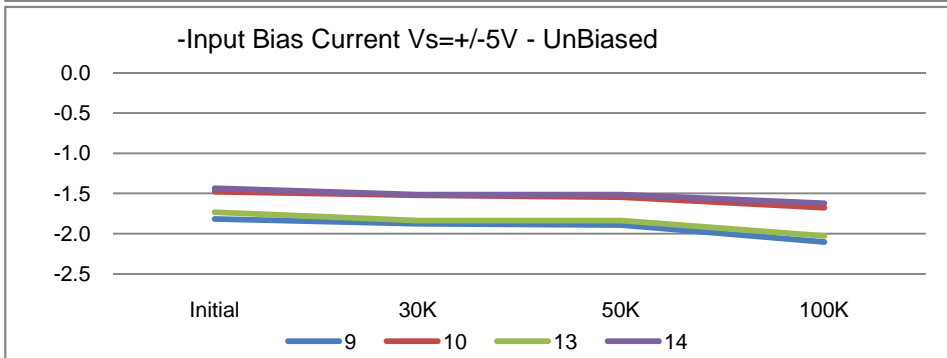
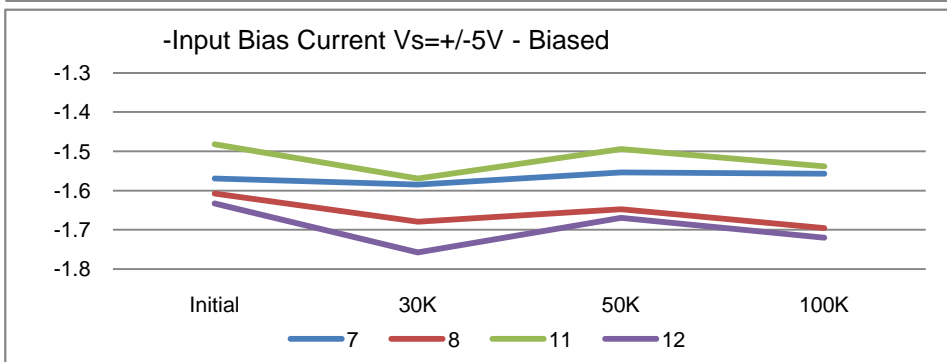
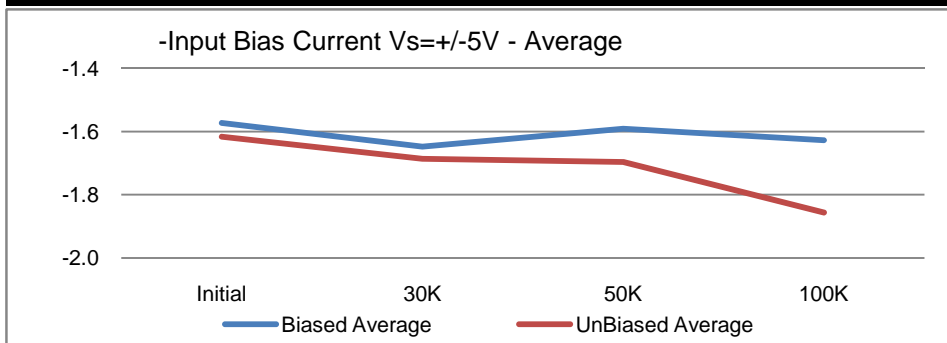




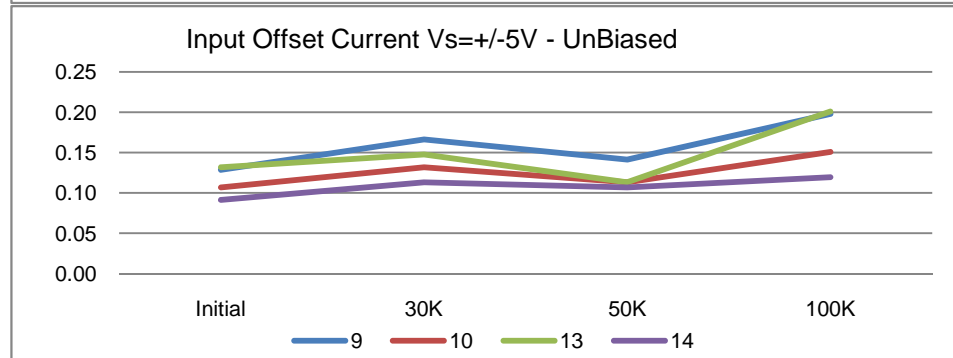
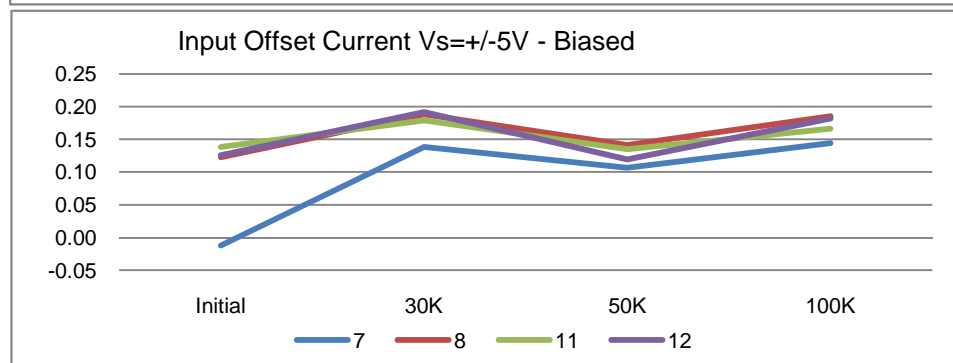
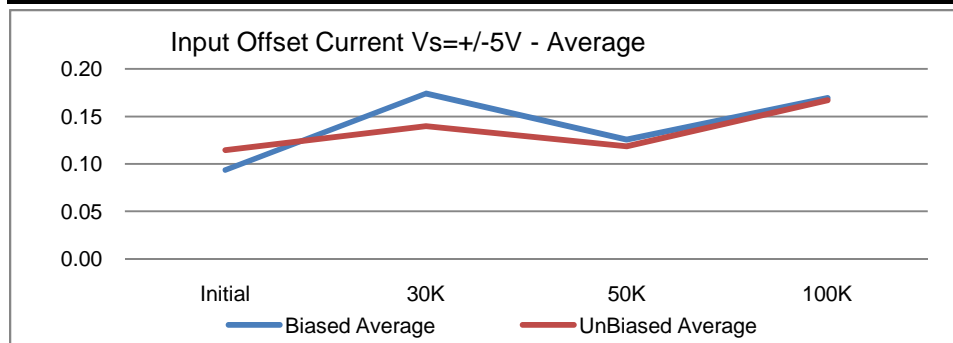
	T# 17	+IB Vs= +-5V				uA
	SN	Initial	30K	50K	100K	Limit
Control	19	-1.42842	-1.61316	-1.43113	-1.4033	+/-3.4
Biased	7	-1.58225	-1.44682	-1.44683	-1.41272	
	8	-1.48493	-1.49076	-1.50646	-1.51004	
	11	-1.34366	-1.390	-1.35895	-1.37191	
	12	-1.50691	-1.56608	-1.5504	-1.5383	
	Min	-1.5823	-1.5661	-1.5504	-1.5383	
	Max	-1.3437	-1.3903	-1.3590	-1.3719	
	Average	-1.4794	-1.4735	-1.4657	-1.4582	
UnBiased	9	-1.68899	-1.70732	-1.75126	-1.90247	
	10	-1.37191	-1.39033	-1.43113	-1.52574	
	13	-1.60109	-1.68848	-1.72301	-1.82398	
	14	-1.34366	-1.39975	-1.40603	-1.50377	
	Min	-1.6890	-1.7073	-1.7513	-1.9025	
	Max	-1.3437	-1.3903	-1.4060	-1.5038	
	Average	-1.5014	-1.5465	-1.5779	-1.6890	



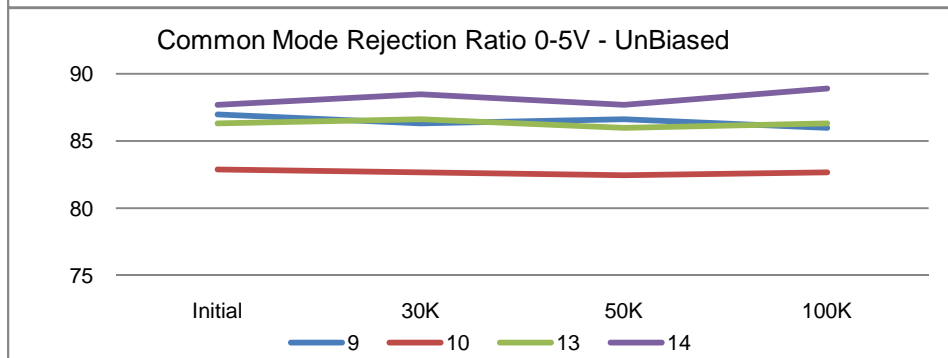
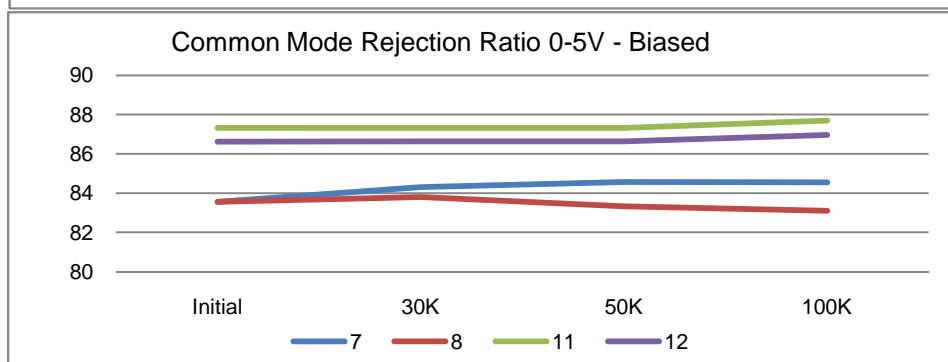
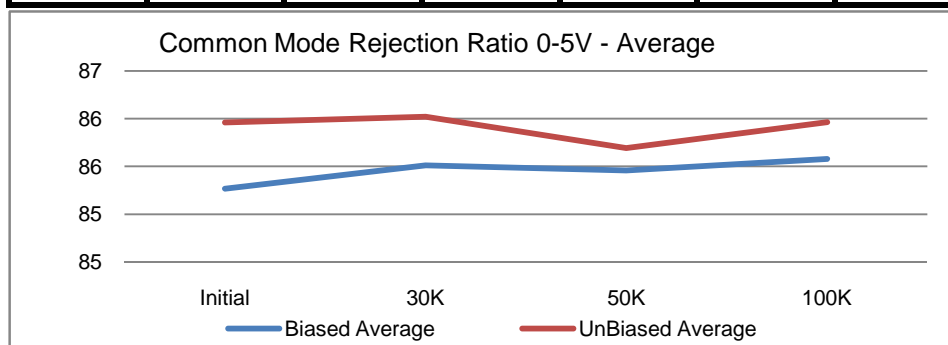
	T# 18	-IB Vs= +5V				uA
	SN	Initial	30K	50K	100K	Limit
Control	19	-1.57597	-1.77322	-1.55353	-1.55086	+/-3.4
Biased	7	-1.56969	-1.58492	-1.55353	-1.55713	
	8	-1.60737	-1.67907	-1.64769	-1.69527	
	11	-1.48179	-1.569	-1.4939	-1.5383	
	12	-1.63248	-1.75753	-1.66966	-1.72038	
	Min	-1.6325	-1.7575	-1.6697	-1.7204	
	Max	-1.4818	-1.5692	-1.4939	-1.5383	
	Average	-1.5728	-1.6477	-1.5912	-1.6278	
UnBiased	9	-1.81771	-1.87365	-1.89249	-2.10025	
	10	-1.47865	-1.52215	-1.54412	-1.67643	
	13	-1.73294	-1.83599	-1.836	-2.0249	
	14	-1.4347	-1.51273	-1.51273	-1.62306	
	Min	-1.8177	-1.8737	-1.8925	-2.1003	
	Max	-1.4347	-1.5127	-1.5127	-1.6231	
	Average	-1.6160	-1.6861	-1.6963	-1.8562	



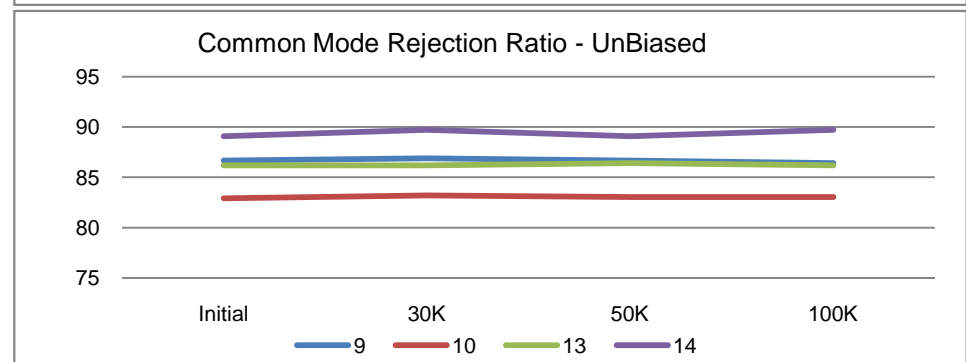
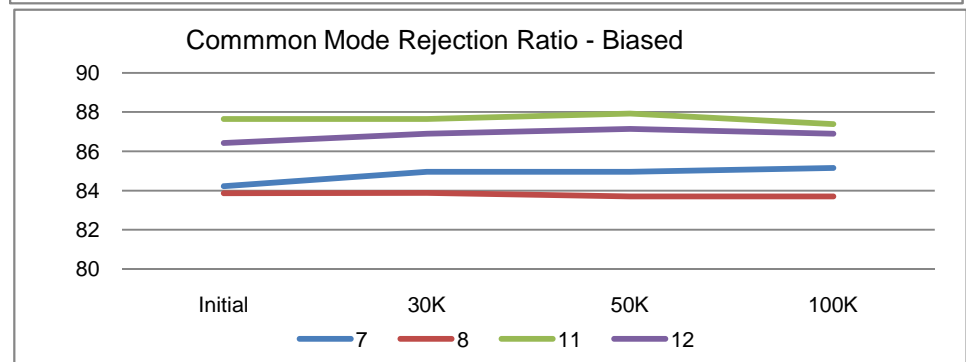
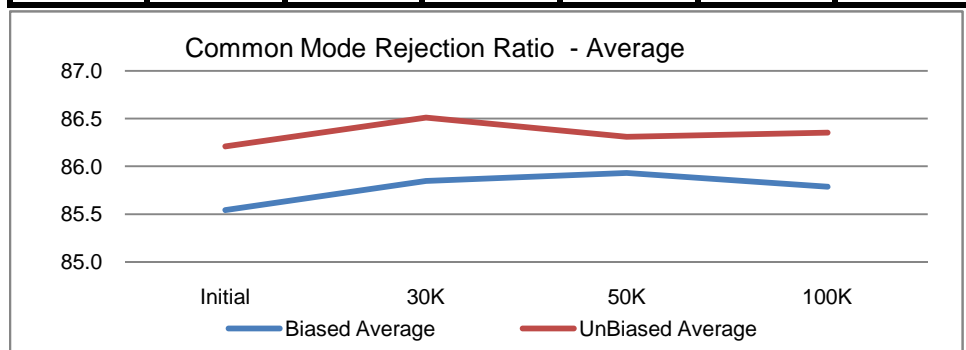
	T# 19	Ios Vs= +-5V				uA
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>0.14755</b>	<b>0.16006</b>	<b>0.1224</b>	<b>0.14755</b>	<b>+/-0.7</b>
<b>Biased</b>	<b>7</b>	-0.01256	0.13809	0.10671	0.14441	
	<b>8</b>	0.12244	0.18831	0.14123	0.18522	
	<b>11</b>	0.13813	0.179	0.13495	0.16639	
	<b>12</b>	0.12558	0.19145	0.11926	0.18208	
	<b>Min</b>	-0.0126	0.1381	0.1067	0.1444	
	<b>Max</b>	0.1381	0.1915	0.1412	0.1852	
	<b>Average</b>	0.0934	0.1742	0.1255	0.1695	
<b>UnBiased</b>	<b>9</b>	0.12871	0.16634	0.14123	0.19778	
	<b>10</b>	0.10674	0.13181	0.11298	0.15069	
	<b>13</b>	0.13185	0.14751	0.11298	0.20092	
	<b>14</b>	0.09104	0.11298	0.10671	0.1193	
	<b>Min</b>	0.0910	0.1130	0.1067	0.1193	
	<b>Max</b>	0.1319	0.1663	0.1412	0.2009	
	<b>Average</b>	0.1146	0.1397	0.1185	0.1672	



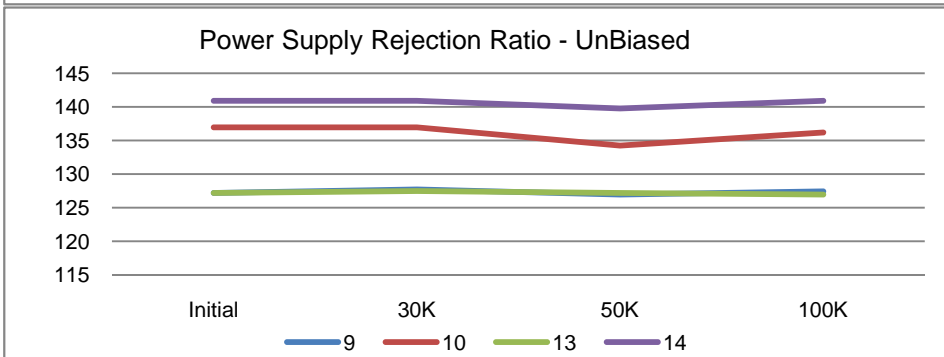
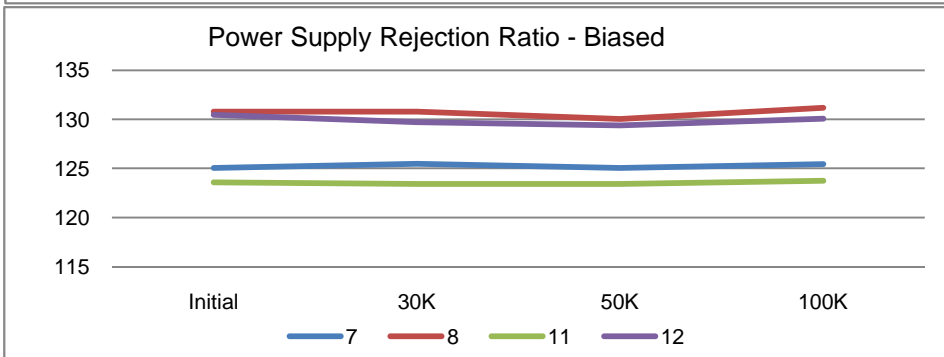
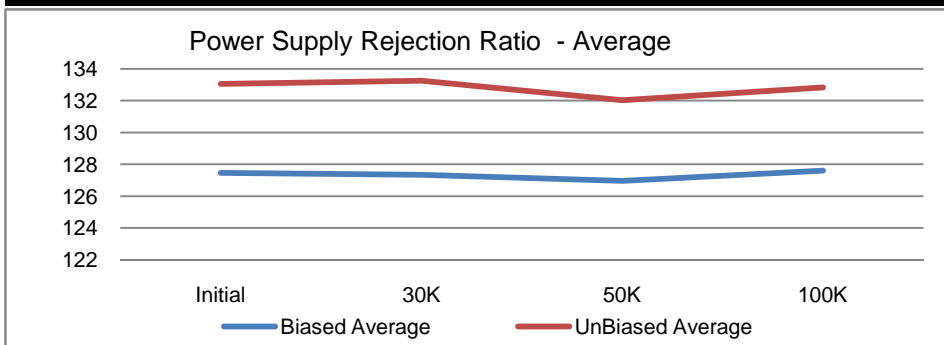
	T# 20	Cmrr Vs= 0 to 5V				dB
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>86.29659</b>	<b>87.69191</b>	<b>85.67849</b>	<b>85.98071</b>	<b>&gt;70</b>
<b>Biased</b>	<b>7</b>	83.55982	84.29689	84.55617	84.55359	
	<b>8</b>	83.55982	83.80042	83.33077	83.10258	
	<b>11</b>	87.31963	87.322	87.32222	87.68932	
	<b>12</b>	86.62439	86.627	86.62698	86.96507	
	<b>Min</b>	83.5598	83.8004	83.3308	83.1026	
	<b>Max</b>	87.3196	87.3222	87.3222	87.6893	
	<b>Average</b>	85.2659	85.5116	85.4590	85.5776	
<b>UnBiased</b>	<b>9</b>	86.96506	86.29919	86.62698	85.98071	
	<b>10</b>	82.88266	82.67079	82.46146	82.66819	
	<b>13</b>	86.29659	86.627	85.98328	86.29659	
	<b>14</b>	87.6893	88.48208	87.69189	88.90327	
	<b>Min</b>	82.8827	82.6708	82.4615	82.6682	
	<b>Max</b>	87.6893	88.4821	87.6919	88.9033	
	<b>Average</b>	85.9584	86.0198	85.6909	85.9622	



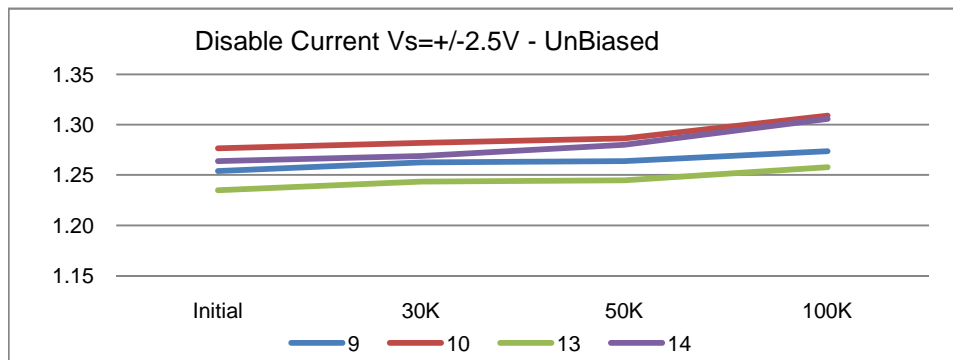
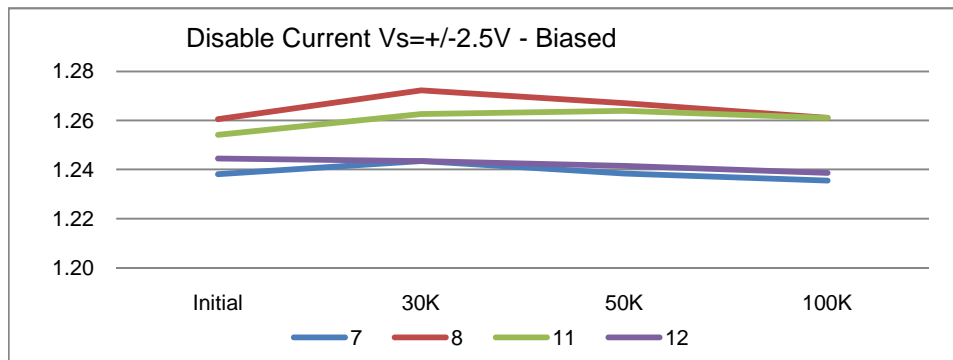
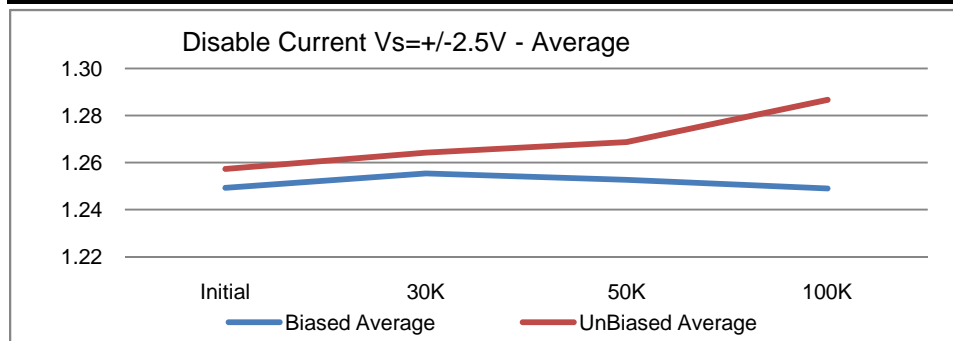
	T# 21	Cmrr Vs= +5V				dB
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>86.65786</b>	<b>88.48208</b>	<b>86.42881</b>	<b>86.20061</b>	<b>&gt;70</b>
<b>Biased</b>	<b>7</b>	84.21797	84.96026	84.96024	85.15285	
	<b>8</b>	83.87049	83.8731	83.70442	83.70184	
	<b>11</b>	87.65162	87.654	87.92149	87.39233	
	<b>12</b>	86.42622	86.89845	87.14313	86.89586	
	<b>Min</b>	83.8705	83.8731	83.7044	83.7018	
	<b>Max</b>	87.6516	87.6542	87.9215	87.3923	
	<b>Average</b>	85.5416	85.8465	85.9323	85.7857	
<b>UnBiased</b>	<b>9</b>	86.65786	86.89845	86.66045	86.42624	
	<b>10</b>	82.9044	83.21725	83.06072	83.05815	
	<b>13</b>	86.20061	86.20322	86.42881	86.20061	
	<b>14</b>	89.07874	89.72504	89.08132	89.72244	
	<b>Min</b>	82.9044	83.2173	83.0607	83.0582	
	<b>Max</b>	89.0787	89.7250	89.0813	89.7224	
	<b>Average</b>	86.2104	86.5110	86.3078	86.3519	



	T# 22	Psrr Vs= 0V @+2.5V				dB
	SN	Initial	30K	50K	100K	Limit
Control	19	124.6095	129.719	124.2245	124.6012	>68
Biased	7	125.0572	125.4577	125.036	125.4409	
	8	130.7768	130.7771	130.0175	131.1622	
	11	123.5806	123.402	123.4002	123.7382	
	12	130.4406	129.7178	129.3734	130.0477	
	Min	123.5806	123.4017	123.4002	123.7382	
	Max	130.7768	130.7771	130.0175	131.1622	
	Average	127.4638	127.3385	126.9568	127.5973	
UnBiased	9	127.179	127.7211	126.9208	127.4051	
	10	136.9302	136.934	134.2351	136.1595	
	13	127.1989	127.4676	127.1966	126.9244	
	14	140.8915	140.893	139.7352	140.871	
	Min	127.1790	127.4676	126.9208	126.9244	
	Max	140.8915	140.8930	139.7352	140.8710	
	Average	133.0499	133.2539	132.0219	132.8400	



	T# 23	Disable Pin Vs= +2.5V				mA
	SN	Initial	30K	50K	100K	Limit
Control	19	1.2669	1.26583	1.27347	1.26742	<1.7
Biased	7	1.23811	1.24344	1.23828	1.23543	
	8	1.2605	1.27223	1.26707	1.26103	
	11	1.2541	1.263	1.26387	1.26103	
	12	1.24451	1.24344	1.24148	1.23863	
	Min	1.2381	1.2434	1.2383	1.2354	
	Max	1.2605	1.2722	1.2671	1.2610	
	Average	1.2493	1.2554	1.2527	1.2490	
UnBiased	9	1.2541	1.26263	1.26387	1.27382	
	10	1.2765	1.28183	1.28626	1.30902	
	13	1.23491	1.24344	1.24468	1.25783	
	14	1.2637	1.26903	1.27987	1.30582	
	Min	1.2349	1.2434	1.2447	1.2578	
	Max	1.2765	1.2818	1.2863	1.3090	
	Average	1.2573	1.2642	1.2687	1.2866	



	T# 24	Disable Pin Vs= +5V				mA
	SN	Initial	30K	50K	100K	Limit
<b>Control</b>	<b>19</b>	<b>1.38257</b>	<b>1.36556</b>	<b>1.38283</b>	<b>1.37969</b>	<b>&lt;1.7</b>
<b>Biased</b>	<b>7</b>	1.34737	1.34637	1.35404	1.34449	
	<b>8</b>	1.37937	1.36876	1.37003	1.37329	
	<b>11</b>	1.37937	1.375	1.37643	1.37009	
	<b>12</b>	1.35057	1.35596	1.35084	1.35089	
	<b>Min</b>	1.3474	1.3464	1.3508	1.3445	
	<b>Max</b>	1.3794	1.3752	1.3764	1.3733	
	<b>Average</b>	1.3642	1.3616	1.3628	1.3597	
<b>UnBiased</b>	<b>9</b>	1.36337	1.36236	1.36683	1.37649	
	<b>10</b>	1.39216	1.39755	1.40202	1.42128	
	<b>13</b>	1.34417	1.33677	1.34444	1.36689	
	<b>14</b>	1.38897	1.38795	1.38922	1.41168	
	<b>Min</b>	1.3442	1.3368	1.3444	1.3669	
	<b>Max</b>	1.3922	1.3976	1.4020	1.4213	
	<b>Average</b>	1.3722	1.3712	1.3756	1.3941	

