DISPLACEMENT DAMAGE TEST REPORT LT8650S-CSL

November 2024

Radiation Test Report	
Product:	LT8650S-CSL
Die:	8650
Fluence:	2e12 n/cm^2
Test Method:	MIL-STD-883 TM1017
Facilities:	UMass Lowell
Tested:	November 19 2024

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		TEMP Voltage		FB1 Voltage (Servo)		FB2 Votlage (Servo)	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.226	0.205	0.800	0.800	0.799	0.800
1.00E+12	1	0.249	0.239	0.800	0.800	0.800	0.801
	2	0.228	0.213	0.800	0.800	0.799	0.799
	3	0.221	0.207	0.800	0.800	0.799	0.800
	4	0.251	0.238	0.800	0.800	0.799	0.799
	5	0.246	0.230	0.800	0.800	0.800	0.800
	6	0.231	0.216	0.800	0.800	0.799	0.799
	7	0.228	0.212	0.801	0.801	0.800	0.800
	8	0.257	0.244	0.800	0.800	0.800	0.800
	9	0.225	0.213	0.800	0.800	0.800	0.800
	10	0.246	0.232	0.800	0.800	0.799	0.799
	Min	0.2215	0.2072	0.7995	0.7995	0.7990	0.7991
	Max	0.2575	0.2444	0.8007	0.8009	0.8004	0.8007
	Mean	0.2383	0.2246	0.8000	0.8000	0.7997	0.7998
	Std. Dev	0.0128	0.0136	0.0004	0.0005	0.0006	0.0006
	Mean - 3 Sigma	0.1998	0.1837	0.7988	0.7986	0.7980	0.7979
	Mean + 3 Sigma	0.2768	0.2655	0.8012	0.8015	0.8015	0.8017
2.00E+12	11	0.218	0.201	0.800	0.800	0.800	0.800
	12	0.237	0.224	0.800	0.800	0.799	0.799
	13	0.247	0.236	0.800	0.800	0.800	0.800
	14	0.225	0.207	0.799	0.799	0.799	0.799
	15	0.226	0.211	0.800	0.800	0.800	0.800
	16	0.246	0.228	0.800	0.800	0.799	0.799
	17	0.238	0.219	0.800	0.800	0.800	0.800
	18	0.245	0.225	0.800	0.800	0.800	0.800
	19	0.243	0.223	0.800	0.800	0.800	0.800
	20	0.229	0.212	0.800	0.800	0.799	0.799
	Min	0.2175	0.2006	0.7992	0.7991	0.7987	0.7987
	Max	0.2471	0.2356	0.8003	0.8005	0.8002	0.8004
	Mean	0.2354	0.2184	0.8000	0.8000	0.7996	0.7996
	Std. Dev	0.0103	0.0106	0.0004	0.0004	0.0005	0.0006
	Mean - 3 Sigma	0.2046	0.1866	0.7989	0.7989	0.7980	0.7979
	Mean + 3 Sigma	0.2662	0.2502	0.8010	0.8011	0.8012	0.8013

		I EN1(Sleep): VIN's=12.0V, EN1=2.0V(I-V)		I EN2(Sleep): VIN's=12.0V, EN2=2.0V(I-V)		I PG1(Sleep): VIN's=12.0V, EN1=12.0V(I-V Conv.)	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	5.089E-02	1.107E-01	5.909E-02	4.547E-02	7.784E-03	6.084E-02
1.00E+12	1	3.589E-02	1.057E-01	3.535E-02	6.421E-02	2.653E-02	5.803E-02
	2	-4.098E-03	7.824E-02	3.161E-02	4.672E-02	3.965E-02	5.803E-02
	3	1.840E-02	5.699E-02	3.535E-02	7.171E-02	2.465E-02	6.271E-02
	4	-2.159E-02	8.448E-02	4.285E-02	5.796E-02	8.721E-03	4.772E-02
	5	-1.599E-03	4.825E-02	3.286E-02	4.422E-02	1.247E-02	5.147E-02
	6	-1.909E-02	5.449E-02	3.036E-02	8.670E-02	2.865E-04	4.397E-02
	7	9.007E-04	3.950E-02	2.036E-02	7.795E-02	4.059E-02	3.272E-02
	8	-1.035E-02	3.700E-02	4.160E-02	6.421E-02	-6.507E-04	3.741E-02
	9	-1.599E-03	2.700E-02	2.786E-02	5.546E-02	2.278E-02	5.522E-02
	10	5.899E-03	6.574E-02	4.035E-02	7.046E-02	2.184E-02	6.084E-02
	Min	-2.159E-02	2.700E-02	2.036E-02	4.422E-02	-6.507E-04	3.272E-02
	Max	3.589E-02	1.057E-01	4.285E-02	8.670E-02	4.059E-02	6.271E-02
	Mean	2.759E-04	5.974E-02	3.386E-02	6.396E-02	1.969E-02	5.081E-02
	Std. Dev	1.707E-02	2.420E-02	6.864E-03	1.338E-02	1.447E-02	1.016E-02
	Mean - 3 Sigma	-5.092E-02	-1.286E-02	1.326E-02	2.383E-02	-2.371E-02	2.033E-02
	Mean + 3 Sigma	5.147E-02	1.323E-01	5.445E-02	1.041E-01	6.308E-02	8.130E-02
2.00E+12	11	-7.847E-03	5.574E-02	4.035E-02	4.672E-02	8.721E-03	4.959E-02
	12	-2.848E-03	6.449E-02	6.659E-02	4.172E-02	-3.462E-03	4.678E-02
	13	-7.847E-03	6.199E-02	3.161E-02	5.047E-02	4.035E-03	6.084E-02
	14	9.007E-04	4.200E-02	1.661E-02	4.422E-02	-5.337E-03	4.491E-02
	15	1.715E-02	4.950E-02	4.785E-02	6.296E-02	2.278E-02	5.053E-02
	16	5.963E-02	4.450E-02	2.786E-02	5.796E-02	1.809E-02	8.427E-02
	17	1.215E-02	7.699E-02	2.911E-02	4.797E-02	1.809E-02	5.990E-02
	18	2.589E-02	1.020E-01	4.160E-02	7.171E-02	2.278E-02	5.334E-02
	19	3.464E-02	6.574E-02	5.660E-02	5.047E-02	2.559E-02	4.772E-02
	20	4.964E-02	6.199E-02	5.035E-02	6.296E-02	-8.148E-03	5.803E-02
	Min	-7.847E-03	4.200E-02	1.661E-02	4.172E-02	-8.148E-03	4.491E-02
	Max	5.963E-02	1.020E-01	6.659E-02	7.171E-02	2.559E-02	8.427E-02
	Mean	1.815E-02	6.249E-02	4.085E-02	5.371E-02	1.031E-02	5.559E-02
	Std. Dev	2.397E-02	1.746E-02	1.502E-02	9.718E-03	1.284E-02	1.152E-02
	Mean - 3 Sigma	-5.377E-02	1.012E-02	-4.204E-03	2.456E-02	-2.819E-02	2.102E-02
	Mean + 3 Sigma	9.006E-02	1.149E-01	8.591E-02	8.287E-02	4.882E-02	9.016E-02

		I PG2(Sleep): VIN's=12.0V, EN2=12.0V(I-V Conv.)		I VIN1(Shutdown): VIN1=VIN2=12.0V		SS1 Pull Down R(Shutdown): SS1=0.1V	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	8.776E-02	1.150E-01	2.138	2.132	147.975	145.556
1.00E+12	1	1.056E-01	1.066E-01	2.075	2.068	146.564	145.653
	2	9.526E-02	1.534E-01	2.090	2.076	146.148	144.855
	3	9.151E-02	1.094E-01	2.175	2.160	146.555	145.597
	4	9.526E-02	1.009E-01	2.045	2.043	149.034	147.747
	5	7.558E-02	1.253E-01	2.181	2.181	146.440	144.993
	6	8.588E-02	1.141E-01	2.127	2.125	147.505	146.037
	7	8.307E-02	9.625E-02	2.091	2.057	148.547	146.878
	8	6.621E-02	1.215E-01	2.094	2.082	148.652	146.935
	9	6.621E-02	1.178E-01	2.124	2.115	147.180	145.481
	10	5.402E-02	1.009E-01	2.146	2.125	149.198	147.644
	Min	5.402E-02	9.625E-02	2.0453	2.0428	146.1479	144.8553
	Max	1.056E-01	1.534E-01	2.1811	2.1813	149.1979	147.7473
	Mean	8.186E-02	1.146E-01	2.1149	2.1032	147.5822	146.1821
	Std. Dev	1.611E-02	1.661E-02	0.0438	0.0455	1.1745	1.0512
	Mean - 3 Sigma	3.352E-02	6.480E-02	1.9836	1.9668	144.0588	143.0286
	Mean + 3 Sigma	1.302E-01	1.644E-01	2.2461	2.2396	151.1056	149.3356
2.00E+12	11	8.120E-02	1.159E-01	2.026	2.015	146.687	145.839
	12	6.527E-02	1.319E-01	1.918	1.913	153.577	152.127
	13	6.808E-02	1.056E-01	2.122	2.114	146.719	145.334
	14	6.902E-02	1.178E-01	2.154	2.139	146.525	144.937
	15	5.871E-02	9.344E-02	2.104	2.089	147.366	145.322
	16	6.808E-02	1.084E-01	2.115	2.108	146.762	144.676
	17	5.965E-02	1.141E-01	1.970	1.961	149.060	146.607
	18	6.246E-02	1.019E-01	2.112	2.108	149.422	146.868
	19	6.246E-02	1.347E-01	2.122	2.103	148.500	146.354
	20	6.246E-02	1.375E-01	2.172	2.151	147.556	145.188
	Min	5.871E-02	9.344E-02	1.9176	1.9132	146.5253	144.6759
	Max	8.120E-02	1.375E-01	2.1716	2.1513	153.5773	152.1275
	Mean	6.574E-02	1.161E-01	2.0815	2.0702	148.2175	146.3253
	Std. Dev	6.496E-03	1.469E-02	0.0826	0.0796	2.1526	2.1656
	Mean - 3 Sigma	4.625E-02	7.205E-02	1.8336	1.8313	141.7597	139.8286
	Mean + 3 Sigma	8.523E-02	1.602E-01	2.3294	2.3091	154.6752	152.8221

		SS2 Pull Down R(Shutdown): SS2=0.1V		I SYNC(Shutdown): SYNC=6.0V		PG1 Pull Down R(Shutdown): PG1=0.1V	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	169.211	168.194	106.855	106.301	495.263	491.443
1.00E+12	1	170.185	169.664	131.255	103.197	529.412	498.563
	2	168.337	167.843	105.689	105.282	496.426	494.252
	3	167.810	167.318	136.734	107.616	521.498	488.299
	4	172.937	172.282	130.605	130.126	551.287	548.327
	5	168.066	167.502	137.018	107.670	521.934	490.341
	6	170.573	169.966	106.358	105.942	500.588	498.165
	7	169.645	169.018	133.311	132.790	521.794	518.941
	8	169.899	169.326	132.217	103.781	529.532	499.381
	9	168.404	167.781	135.744	135.247	518.790	516.023
	10	171.362	170.794	105.830	105.432	515.111	512.768
	Min	167.8105	167.3178	105.6892	103.1970	496.4265	488.2995
	Max	172.9368	172.2818	137.0181	135.2471	551.2869	548.3270
	Mean	169.7218	169.1493	125.4761	113.7083	520.6372	506.5060
	Std. Dev	1.6348	1.6037	13.6418	13.2498	15.3527	18.1347
	Mean - 3 Sigma	164.8174	164.3383	84.5506	73.9589	474.5792	452.1019
	Mean + 3 Sigma	174.6263	173.9604	166.4016	153.4577	566.6952	560.9101
2.00E+12	11	168.344	167.788	128.744	101.008	524.974	491.915
	12	180.077	179.465	118.830	93.210	579.403	550.835
	13	169.054	168.344	136.306	135.796	527.383	524.732
	14	168.154	167.451	136.651	136.077	518.009	514.763
	15	168.107	167.295	105.945	133.578	499.317	524.635
	16	167.833	167.056	105.256	104.765	499.559	496.761
	17	168.388	167.435	100.502	99.988	496.221	492.925
	18	170.639	169.714	106.419	134.457	502.793	531.184
	19	170.033	169.201	107.011	135.050	505.220	531.610
	20	168.457	167.616	107.997	136.297	493.951	523.534
	Min	167.8333	167.0557	100.5020	93.2095	493.9510	491.9150
	Max	180.0770	179.4654	136.6505	136.2969	579.4033	550.8354
	Mean	169.9085	169.1365	115.3661	121.0226	514.6828	518.2895
	Std. Dev	3.6844	3.7303	13.7377	18.5412	25.6762	19.2270
	Mean - 3 Sigma	158.8553	157.9455	74.1531	65.3989	437.6542	460.6084
	Mean + 3 Sigma	180.9617	180.3275	156.5791	176.6464	591.7115	575.9706

		PG2 Pull Down R(Shutdown): PG2=0.1V		VinQ+VccQ_VC_Internal_Comp:T1000[.6+.7+.19]		VinQ+VccQ_VC_External_Comp: T1000[.20+.21+.22]	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	383.272	380.523	4.179	4.213	96.545	96.396
1.00E+12	1	414.552	384.845	4.093	4.107	92.085	94.030
	2	383.286	381.615	4.100	4.078	93.170	92.303
	3	408.632	377.575	4.259	4.269	94.345	94.482
	4	430.298	428.129	4.048	4.040	94.262	93.148
	5	408.553	379.970	4.285	4.278	98.004	95.815
	6	385.140	383.348	4.195	4.202	95.315	95.091
	7	407.460	405.445	4.090	4.094	93.382	93.749
	8	411.410	384.097	4.125	4.141	93.834	93.847
	9	404.982	402.930	4.144	4.148	99.494	98.941
	10	398.390	396.654	4.217	4.197	95.795	95.213
	Min	383.2856	377.5753	4.0482	4.0404	92.0851	92.3029
	Max	430.2980	428.1288	4.2852	4.2781	99.4937	98.9405
	Mean	405.2704	392.4608	4.1556	4.1554	94.9685	94.6618
	Std. Dev	13.7964	15.8963	0.0794	0.0799	2.2788	1.8231
	Mean - 3 Sigma	363.8813	344.7719	3.9173	3.9157	88.1322	89.1927
	Mean + 3 Sigma	446.6595	440.1497	4.3939	4.3951	101.8047	100.1310
2.00E+12	11	411.285	380.137	4.023	4.027	90.402	91.062
	12	451.272	425.486	3.789	3.805	84.675	84.412
	13	412.334	410.076	4.204	4.223	98.490	98.782
	14	405.575	403.218	4.246	4.222	94.755	96.447
	15	383.962	408.833	4.141	4.112	92.776	94.442
	16	384.277	382.180	4.209	4.204	95.237	97.801
	17	382.603	380.212	3.885	3.871	89.177	87.998
	18	387.630	414.491	4.164	4.169	94.805	96.314
	19	389.095	414.755	4.164	4.144	97.039	96.042
	20	381.185	409.155	4.269	4.270	97.945	95.848
	Min	381.1845	380.1371	3.7886	3.8052	84.6746	84.4125
	Max	451.2717	425.4863	4.2689	4.2698	98.4898	98.7824
	Mean	398.9217	402.8544	4.1094	4.1046	93.5300	93.9149
	Std. Dev	22.0121	16.2383	0.1601	0.1567	4.3482	4.6301
	Mean - 3 Sigma	332.8855	354.1396	3.6291	3.6344	80.4853	80.0247
	Mean + 3 Sigma	464.9579	451.5693	4.5896	4.5748	106.5747	107.8051

		VinQ+VccQ_Active: T1000[.23+.24+.25]		SW1 Top Leakage: VIN's=42V, OUT1=0V		SW2 Top Leakage: VIN's=42V, OUT2=0V	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	3.585	3.593	-1.018	-1.066	-0.989	-1.009
1.00E+12	1	3.596	3.598	-1.032	-1.060	-0.996	-1.026
	2	3.680	3.681	-1.049	-1.063	-1.014	-1.022
	3	3.656	3.657	-1.044	-1.046	-1.028	-1.013
	4	3.568	3.571	-1.030	-1.035	-1.001	-1.022
	5	3.611	3.615	-1.008	-1.023	-1.008	-1.024
	6	3.646	3.638	-1.013	-1.032	-1.013	-1.031
	7	3.651	3.644	-1.008	-0.967	-1.012	-0.978
	8	3.604	3.601	-1.003	-1.040	-0.989	-1.032
	9	3.648	3.639	-1.014	-1.050	-1.005	-1.013
	10	3.574	3.572	-1.019	-1.038	-0.988	-1.013
	Min	3.5677	3.5712	-1.0495	-1.0627	-1.0277	-1.0316
	Max	3.6802	3.6812	-1.0035	-0.9674	-0.9876	-0.9777
	Mean	3.6234	3.6216	-1.0221	-1.0354	-1.0053	-1.0173
	Std. Dev	0.0379	0.0363	0.0159	0.0268	0.0124	0.0156
	Mean - 3 Sigma	3.5097	3.5127	-1.0697	-1.1159	-1.0424	-1.0641
	Mean + 3 Sigma	3.7371	3.7306	-0.9745	-0.9550	-0.9682	-0.9705
2.00E+12	11	3.623	3.620	-1.047	-1.066	-1.020	-1.022
	12	3.475	3.474	-1.029	-1.069	-1.013	-1.029
	13	3.644	3.646	-1.021	-1.056	-1.001	-1.043
	14	3.604	3.603	-1.009	-1.037	-1.020	-1.030
	15	3.638	3.636	-1.023	-1.037	-1.005	-1.008
	16	3.623	3.623	-1.017	-1.030	-1.001	-1.026
	17	3.622	3.624	-1.030	-1.063	-0.997	-1.036
	18	3.648	3.654	-1.007	-1.035	-1.018	-1.052
	19	3.634	3.635	-0.994	-1.051	-1.007	-1.041
	20	3.656	3.656	-1.015	-1.056	-0.990	-1.031
	Min	3.4746	3.4737	-1.0475	-1.0686	-1.0198	-1.0520
	Max	3.6563	3.6562	-0.9936	-1.0298	-0.9902	-1.0080
	Mean	3.6167	3.6172	-1.0193	-1.0500	-1.0073	-1.0318
	Std. Dev	0.0522	0.0530	0.0147	0.0141	0.0102	0.0122
	Mean - 3 Sigma	3.4602	3.4583	-1.0633	-1.0924	-1.0378	-1.0683
	Mean + 3 Sigma	3.7732	3.7761	-0.9753	-1.0075	-0.9768	-0.9954

		SW1 Bottom Leakage: VIN's=42V, OUT1=42V		SW2 Bottom Leakage: VIN's=42V, OUT2=42V		IVIN1: VIN=12.0V, OUT1=-1mA	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.838	1.089	0.689	0.907	349.510	347.231
1.00E+12	1	0.975	0.955	0.805	0.777	348.119	344.552
	2	0.959	0.893	0.797	0.746	347.346	345.558
	3	0.921	0.880	0.769	0.726	342.776	335.817
	4	0.889	0.932	0.748	0.761	344.998	345.550
	5	0.876	0.869	0.743	0.714	352.157	352.385
	6	0.856	0.847	0.720	0.714	337.349	340.726
	7	0.864	0.843	0.717	0.709	323.944	351.175
	8	0.854	0.858	0.720	0.709	343.176	355.235
	9	0.838	0.840	0.692	0.688	345.036	337.989
	10	0.844	0.820	0.704	0.684	330.063	347.371
	Min	0.8381	0.8198	0.6917	0.6837	323.9439	335.8173
	Max	0.9754	0.9547	0.8051	0.7773	352.1573	355.2348
	Mean	0.8879	0.8737	0.7415	0.7228	341.4964	345.6360
	Std. Dev	0.0484	0.0425	0.0386	0.0304	8.6730	6.2500
	Mean - 3 Sigma	0.7426	0.7461	0.6257	0.6316	315.4774	326.8859
	Mean + 3 Sigma	1.0333	1.0013	0.8573	0.8140	367.5153	364.3860
2.00E+12	11	0.869	0.902	0.728	0.754	349.291	347.493
	12	0.892	0.879	0.731	0.732	343.973	354.660
	13	0.890	0.886	0.738	0.733	341.086	345.173
	14	0.859	0.827	0.709	0.704	330.125	344.864
	15	0.846	0.831	0.686	0.709	349.522	331.637
	16	0.835	0.828	0.680	0.699	341.170	347.299
	17	0.835	0.858	0.702	0.710	314.466	368.073
	18	0.825	0.837	0.687	0.707	341.818	342.128
	19	0.838	0.818	0.707	0.695	345.323	329.918
	20	0.833	0.818	0.699	0.676	342.164	341.971
	Min	0.8248	0.8176	0.6802	0.6761	314.4661	329.9175
	Max	0.8916	0.9022	0.7381	0.7537	349.5223	368.0727
	Mean	0.8522	0.8483	0.7067	0.7117	339.8938	345.3216
	Std. Dev	0.0243	0.0308	0.0202	0.0222	10.4405	10.8509
	Mean - 3 Sigma	0.7795	0.7558	0.6461	0.6452	308.5722	312.7689
	Mean + 3 Sigma	0.9250	0.9409	0.7674	0.7782	371.2153	377.8743

		IVIN2: VIN=12.0V, OUT2=-1mA		IVIN1: VIN=12.0V, OUT1=-100uA		IVIN2: VIN=12.0V, OUT2=-100uA	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	320.964	325.098	40.723	42.019	37.152	45.738
1.00E+12	1	325.441	304.973	43.802	40.413	42.255	39.185
	2	347.530	310.391	42.781	42.985	38.182	37.790
	3	315.497	327.678	41.862	45.639	38.332	34.122
	4	334.726	306.326	49.058	42.170	37.292	38.540
	5	339.095	339.282	45.325	43.368	36.626	36.185
	6	308.427	322.527	43.362	43.165	38.592	40.139
	7	319.096	325.228	45.081	41.723	35.945	36.407
	8	336.790	328.538	41.091	43.698	38.308	39.637
	9	303.918	327.095	39.262	44.207	36.046	34.508
	10	301.813	327.507	41.888	46.908	36.471	42.197
	Min	301.8130	304.9726	39.2620	40.4130	35.9448	34.1216
	Max	347.5299	339.2823	49.0582	46.9084	42.2548	42.1971
	Mean	323.2333	321.9543	43.3512	43.4277	37.8048	37.8709
	Std. Dev	15.9538	11.1106	2.7116	1.8718	1.8582	2.5716
	Mean - 3 Sigma	275.3719	288.6225	35.2164	37.8124	32.2301	30.1561
	Mean + 3 Sigma	371.0948	355.2860	51.4860	49.0429	43.3795	45.5856
2.00E+12	11	323.546	317.919	41.280	40.584	40.610	39.691
	12	320.492	322.730	43.029	43.579	40.756	38.250
	13	326.735	313.618	43.003	44.241	37.590	37.942
	14	318.660	317.843	46.476	46.483	38.529	37.874
	15	302.413	336.108	42.098	41.813	39.056	41.963
	16	320.134	319.490	42.597	40.238	38.994	36.478
	17	319.551	318.142	41.916	41.410	37.819	36.706
	18	319.133	318.846	42.563	42.370	37.612	39.311
	19	326.555	325.709	41.993	41.976	36.334	36.462
	20	317.560	318.276	43.340	41.822	35.438	31.423
	Min	302.4130	313.6176	41.2797	40.2384	35.4377	31.4230
	Max	326.7346	336.1082	46.4759	46.4828	40.7556	41.9628
	Mean	319.4779	320.8681	42.8295	42.4515	38.2737	37.6099
	Std. Dev	6.8022	6.2337	1.4230	1.8628	1.6909	2.7579
	Mean - 3 Sigma	299.0712	302.1671	38.5606	36.8630	33.2008	29.3362
	Mean + 3 Sigma	339.8845	339.5691	47.0985	48.0400	43.3465	45.8837

		SW_Min_Ontime Sync=3.4V@3A		SW_Min_Ontime Sync=3.4V@3A		Top_I_Lim1, dummy@hot	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	37.472	35.725	39.386	37.317	12484.58	12538.56
1.00E+12	1	35.422	29.810	38.470	38.996	12394.60	12466.58
	2	32.517	35.138	36.744	40.207	11944.73	11998.71
	3	28.641	33.472	30.504	38.035	11872.75	11926.74
	4	29.890	38.172	32.532	32.965	12178.66	12232.65
	5	39.855	35.425	36.791	37.654	11908.74	11944.73
	6	30.617	33.791	28.911	38.124	12016.71	12034.70
	7	33.382	33.032	42.491	38.423	12178.66	12196.66
	8	39.671	38.938	38.547	35.239	11980.72	11998.71
	9	29.412	32.992	38.220	34.400	12052.70	12070.69
	10	35.027	32.625	36.327	39.386	11908.74	11926.74
	Min	28.6406	29.8101	28.9110	32.9649	11872.75	11926.74
	Max	39.8554	38.9379	42.4910	40.2065	12394.60	12466.58
	Mean	33.4434	34.3396	35.9537	37.3427	12043.70	12079.69
	Std. Dev	4.0429	2.7015	4.1285	2.3501	163.23	172.24
	Mean - 3 Sigma	21.3146	26.2352	23.5682	30.2924	11554.02	11562.99
	Mean + 3 Sigma	45.5722	42.4440	48.3393	44.3931	12533.38	12596.40
2.00E+12	11	35.059	37.261	39.210	35.188	11980.72	11998.71
	12	39.947	36.324	36.081	35.887	12070.69	12106.68
	13	32.804	29.068	34.450	37.031	12340.62	12358.61
	14	33.500	40.315	40.093	30.223	11998.71	11998.71
	15	36.420	29.228	40.215	38.905	11998.71	12016.71
	16	39.014	40.640	31.511	35.056	11908.74	11962.72
	17	31.534	40.205	30.601	39.644	11926.74	11944.73
	18	37.984	28.616	29.485	36.873	12016.71	12070.69
	19	36.257	33.005	36.241	32.084	11962.72	11998.71
	20	34.963	32.240	36.748	39.754	12016.71	12052.70
	Min	31.5341	28.6157	29.4846	30.2234	11908.74	11944.73
	Max	39.9471	40.6396	40.2150	39.7541	12340.62	12358.61
	Mean	35.7483	34.6900	35.4634	36.0646	12022.11	12050.90
	Std. Dev	2.7199	4.8752	3.8976	3.1244	121.17	118.59
	Mean - 3 Sigma	27.5887	20.0645	23.7707	26.6914	11658.58	11695.12
	Mean + 3 Sigma	43.9079	49.3154	47.1561	45.4378	12385.63	12406.68

		Top_I_Lim2, dummy@hot		Minimum Input VOltage1 [Min_Vin_UVLO1]		BotRDSon 1[Pgnd-Vsw]	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	12106.684	12124.679	2.490	2.500	0.030	0.029
1.00E+12	1	12394.602	12448.587	2.470	2.480	0.030	0.030
	2	12268.638	12304.627	2.470	2.470	0.030	0.030
	3	12034.704	12070.694	2.500	2.510	0.030	0.030
	4	12034.704	12070.694	2.480	2.480	0.030	0.030
	5	12106.684	12142.674	2.500	2.500	0.030	0.030
	6	12196.658	12214.653	2.470	2.470	0.030	0.030
	7	12250.643	12268.638	2.470	2.470	0.030	0.030
	8	12178.663	12196.658	2.480	2.480	0.030	0.030
	9	12016.709	12016.709	2.470	2.470	0.030	0.030
	10	12178.663	12196.658	2.480	2.480	0.030	0.030
	Min	12016.7090	12016.7090	2.4700	2.4700	0.0298	0.0295
	Max	12394.6016	12448.5869	2.5000	2.5100	0.0301	0.0299
	Mean	12166.0667	12193.0593	2.4790	2.4810	0.0300	0.0297
	Std. Dev	120.8772	128.0323	0.0120	0.0137	0.0001	0.0001
	Mean - 3 Sigma	11803.4352	11808.9623	2.4431	2.4399	0.0296	0.0293
	Mean + 3 Sigma	12528.6982	12577.1563	2.5149	2.5221	0.0303	0.0301
2.00E+12	11	12286.633	12304.627	2.460	2.470	0.030	0.030
	12	12322.622	12340.617	2.440	2.440	0.030	0.030
	13	12052.699	12070.694	2.490	2.490	0.030	0.030
	14	12106.684	12124.679	2.480	2.490	0.030	0.030
	15	12412.597	12430.592	2.480	2.480	0.030	0.030
	16	12178.663	12214.653	2.490	2.500	0.030	0.029
	17	12142.674	12160.668	2.460	2.460	0.030	0.029
	18	12340.617	12376.607	2.480	2.480	0.030	0.030
	19	12322.622	12340.617	2.470	2.480	0.030	0.030
	20	12124.679	12160.668	2.480	2.490	0.030	0.030
	Min	12052.6992	12070.6943	2.4400	2.4400	0.0297	0.0295
	Max	12412.5967	12430.5918	2.4900	2.5000	0.0302	0.0298
	Mean	12229.0489	12252.4423	2.4730	2.4780	0.0299	0.0296
	Std. Dev	121.9882	121.5895	0.0157	0.0175	0.0002	0.0001
	Mean - 3 Sigma	11863.0844	11887.6739	2.4260	2.4255	0.0295	0.0293
	Mean + 3 Sigma	12595.0135	12617.2107	2.5200	2.5305	0.0304	0.0300

		BotRDSon 2[Pgnd-Vsw]		DA_Current_Limit1 [Bot_I_Lim]		DA_Current_Limit2 [Bot_I_Lim]	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.030	0.029	9321.80	9370.24	9200.69	9249.13
1.00E+12	1	0.030	0.029	8982.70	9055.36	9006.92	9031.14
	2	0.030	0.030	9273.36	9321.80	9346.02	9394.46
	3	0.030	0.030	9394.46	9442.91	9442.91	9491.35
	4	0.030	0.029	8958.48	8982.70	9152.25	9200.69
	5	0.030	0.029	9418.68	9442.91	9612.46	9660.90
	6	0.030	0.030	9200.69	9200.69	9346.02	9346.02
	7	0.030	0.030	9564.01	9564.01	9200.69	9224.91
	8	0.030	0.030	9224.91	9224.91	8910.03	8910.03
	9	0.030	0.030	9660.90	9660.90	9491.35	9491.35
	10	0.030	0.030	9370.24	9370.24	9224.91	9249.13
	Min	0.0297	0.0294	8958.48	8982.70	8910.03	8910.03
	Max	0.0299	0.0297	9660.90	9660.90	9612.46	9660.90
	Mean	0.0298	0.0296	9304.84	9326.64	9273.36	9300.00
	Std. Dev	0.00008	0.00009	226.37	214.77	217.84	225.33
	Mean - 3 Sigma	0.0296	0.0293	8625.74	8682.33	8619.83	8624.01
	Mean + 3 Sigma	0.0300	0.0298	9983.95	9970.95	9926.89	9975.99
2.00E+12	11	0.030	0.029	9321.80	9346.02	8813.15	8837.37
	12	0.030	0.030	8377.16	8401.38	8425.61	8449.83
	13	0.030	0.029	8788.93	8813.15	9370.24	9394.46
	14	0.030	0.029	9539.79	9539.79	9297.58	9297.58
	15	0.030	0.029	9297.58	9321.80	9224.91	9224.91
	16	0.030	0.029	9079.58	9103.81	9128.03	9152.25
	17	0.030	0.029	8667.82	8692.04	8910.03	8910.03
	18	0.030	0.030	9249.13	9297.58	8910.03	8934.26
	19	0.030	0.030	9442.91	9467.13	9321.80	9321.80
	20	0.030	0.030	9346.02	9370.24	9515.57	9539.79
	Min	0.0296	0.0293	8377.16	8401.38	8425.61	8449.83
	Max	0.0300	0.0296	9539.79	9539.79	9515.57	9539.79
	Mean	0.0298	0.0295	9111.07	9135.29	9091.70	9106.23
	Std. Dev	0.00011	0.00010	378.19	376.29	326.42	323.45
	Mean - 3 Sigma	0.0294	0.0292	7976.51	8006.43	8112.45	8135.89
	Mean + 3 Sigma	0.0301	0.0298	10245.63	10264.15	10070.94	10076.57

		Vintvcc_0mA_no_bias		Vintvcc_0mA_with_bias		Intvcc_UVLO_Threshold RampDown	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	3.444	3.444	3.258	3.258	2.277	2.281
1.00E+12	1	3.451	3.452	3.257	3.258	2.301	2.305
	2	3.444	3.445	3.257	3.257	2.261	2.265
	3	3.439	3.439	3.258	3.257	2.321	2.325
	4	3.470	3.471	3.257	3.257	2.313	2.317
	5	3.466	3.467	3.258	3.258	2.289	2.289
	6	3.452	3.452	3.258	3.257	2.289	2.293
	7	3.463	3.464	3.258	3.258	2.273	2.277
	8	3.449	3.449	3.258	3.258	2.317	2.317
	9	3.454	3.455	3.258	3.258	2.293	2.293
	10	3.444	3.444	3.257	3.257	2.289	2.289
	Min	3.4388	3.4395	3.2567	3.2569	2.2610	2.2651
	Max	3.4698	3.4709	3.2583	3.2584	2.3213	2.3253
	Mean	3.4533	3.4538	3.2575	3.2576	2.2948	2.2972
	Std. Dev	0.0101	0.0104	0.0005	0.0005	0.0191	0.0190
	Mean - 3 Sigma	3.4229	3.4225	3.2559	3.2561	2.2374	2.2401
	Mean + 3 Sigma	3.4837	3.4851	3.2591	3.2591	2.3522	2.3543
2.00E+12	11	3.437	3.437	3.258	3.258	2.265	2.265
	12	3.418	3.418	3.257	3.257	2.245	2.249
	13	3.462	3.463	3.257	3.257	2.289	2.293
	14	3.441	3.441	3.258	3.258	2.301	2.301
	15	3.465	3.465	3.257	3.258	2.273	2.273
	16	3.454	3.455	3.257	3.258	2.285	2.289
	17	3.458	3.458	3.257	3.257	2.281	2.285
	18	3.437	3.437	3.257	3.257	2.281	2.281
	19	3.457	3.457	3.257	3.257	2.269	2.273
	20	3.459	3.460	3.257	3.258	2.289	2.293
	Min	3.4179	3.4182	3.2567	3.2568	2.2450	2.2490
	Max	3.4647	3.4650	3.2578	3.2581	2.3012	2.3012
	Mean	3.4488	3.4492	3.2572	3.2575	2.2779	2.2803
	Std. Dev	0.0150	0.0152	0.0004	0.0004	0.0157	0.0156
	Mean - 3 Sigma	3.4039	3.4038	3.2561	3.2563	2.2308	2.2336
	Mean + 3 Sigma	3.4937	3.4947	3.2584	3.2586	2.3250	2.3271

		EN1_Threshold RampDown		EN1_Threshold Hysteresis		EN2_Threshold RampDown	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.739	0.739	0.028	0.028	0.729	0.729
1.00E+12	1	0.735	0.737	0.030	0.028	0.735	0.737
	2	0.735	0.735	0.030	0.030	0.731	0.731
	3	0.729	0.729	0.028	0.030	0.735	0.735
	4	0.737	0.737	0.028	0.028	0.731	0.731
	5	0.735	0.735	0.030	0.030	0.737	0.737
	6	0.737	0.737	0.030	0.030	0.735	0.735
	7	0.739	0.739	0.030	0.030	0.737	0.737
	8	0.737	0.737	0.030	0.030	0.739	0.739
	9	0.733	0.733	0.030	0.030	0.735	0.735
	10	0.731	0.733	0.030	0.028	0.729	0.729
	Min	0.7289	0.7289	0.0281	0.0281	0.7289	0.7289
	Max	0.7390	0.7390	0.0301	0.0301	0.7390	0.7390
	Mean	0.7347	0.7351	0.0297	0.0295	0.7343	0.7345
	Std. Dev	0.0031	0.0029	0.0008	0.0010	0.0031	0.0033
	Mean - 3 Sigma	0.7256	0.7264	0.0272	0.0266	0.7249	0.7248
	Mean + 3 Sigma	0.7439	0.7439	0.0323	0.0324	0.7438	0.7443
2.00E+12	11	0.737	0.737	0.028	0.028	0.741	0.741
	12	0.739	0.739	0.028	0.028	0.729	0.729
	13	0.737	0.737	0.028	0.028	0.735	0.737
	14	0.733	0.733	0.028	0.028	0.735	0.735
	15	0.733	0.733	0.030	0.030	0.735	0.735
	16	0.731	0.731	0.028	0.028	0.733	0.733
	17	0.735	0.735	0.028	0.028	0.729	0.731
	18	0.735	0.735	0.030	0.030	0.737	0.737
	19	0.735	0.735	0.028	0.028	0.737	0.737
	20	0.733	0.733	0.028	0.028	0.733	0.733
	Min	0.7309	0.7309	0.0281	0.0281	0.7289	0.7289
	Max	0.7390	0.7390	0.0301	0.0301	0.7410	0.7410
	Mean	0.7347	0.7347	0.0285	0.0285	0.7343	0.7347
	Std. Dev	0.0024	0.0024	0.0008	0.0008	0.0037	0.0035
	Mean - 3 Sigma	0.7275	0.7275	0.0260	0.0260	0.7233	0.7243
	Mean + 3 Sigma	0.7420	0.7420	0.0311	0.0311	0.7454	0.7452

		EN2_Threshold Hysteresis		PG1 Lower Threshold Offset from VFB		PG1 Low Hysteresis	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.028	0.028	-7.322	-7.283	0.290	0.301
1.00E+12	1	0.030	0.028	-7.522	-7.543	0.347	0.302
	2	0.028	0.028	-7.494	-7.492	0.336	0.291
	3	0.030	0.030	-7.606	-7.613	0.314	0.314
	4	0.030	0.030	-7.457	-7.396	0.302	0.358
	5	0.028	0.028	-7.636	-7.650	0.325	0.325
	6	0.028	0.028	-7.816	-7.766	0.326	0.337
	7	0.028	0.028	-7.287	-7.306	0.357	0.312
	8	0.030	0.030	-7.336	-7.363	0.335	0.279
	9	0.028	0.028	-7.235	-7.164	0.301	0.357
	10	0.028	0.030	-7.697	-7.689	0.314	0.314
	Min	0.0281	0.0281	-7.8163	-7.7659	0.3011	0.2789
	Max	0.0301	0.0301	-7.2350	-7.1636	0.3569	0.3583
	Mean	0.0289	0.0289	-7.5087	-7.4982	0.3257	0.3189
	Std. Dev	0.0010	0.0010	0.1865	0.1897	0.0184	0.0262
	Mean - 3 Sigma	0.0258	0.0258	-8.0683	-8.0674	0.2705	0.2404
	Mean + 3 Sigma	0.0320	0.0320	-6.9491	-6.9290	0.3810	0.3974
2.00E+12	11	0.030	0.030	-7.521	-7.501	0.302	0.302
	12	0.028	0.028	-7.448	-7.385	0.313	0.324
	13	0.030	0.028	-7.456	-7.428	0.313	0.324
	14	0.028	0.028	-7.574	-7.618	0.360	0.303
	15	0.028	0.028	-7.358	-7.299	0.290	0.346
	16	0.028	0.028	-7.504	-7.482	0.291	0.302
	17	0.030	0.028	-8.047	-8.047	0.327	0.327
	18	0.028	0.028	-7.792	-7.788	0.382	0.337
	19	0.030	0.030	-7.435	-7.437	0.358	0.313
	20	0.030	0.030	-7.501	-7.519	0.347	0.302
	Min	0.0281	0.0281	-8.0469	-8.0474	0.2898	0.3019
	Max	0.0301	0.0301	-7.3581	-7.2991	0.3821	0.3459
	Mean	0.0291	0.0287	-7.5636	-7.5506	0.3282	0.3180
	Std. Dev	0.0011	0.0010	0.2051	0.2197	0.0319	0.0160
	Mean - 3 Sigma	0.0259	0.0258	-8.1789	-8.2098	0.2325	0.2699
	Mean + 3 Sigma	0.0323	0.0316	-6.9482	-6.8913	0.4239	0.3661

		PG2 Lower Threshold Offset from VFB		PG2 Low Hysteresis		PG1 Upper Threshold Offset from VFB	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	-8.040	-8.004	0.305	0.361	7.164	7.189
1.00E+12	1	-7.201	-7.228	0.357	0.312	7.263	7.284
	2	-8.226	-8.225	0.352	0.352	6.819	6.867
	3	-7.482	-7.490	0.325	0.325	6.865	6.856
	4	-7.740	-7.738	0.315	0.315	7.203	7.254
	5	-7.453	-7.462	0.347	0.347	6.990	7.019
	6	-7.440	-7.442	0.326	0.326	7.042	7.035
	7	-7.684	-7.648	0.303	0.359	7.030	7.097
	8	-7.676	-7.706	0.348	0.337	7.148	7.181
	9	-7.512	-7.500	0.291	0.336	6.974	6.992
	10	-7.342	-7.341	0.348	0.348	6.804	6.813
	Min	-8.2265	-8.2248	0.2910	0.3119	6.8038	6.8129
	Max	-7.2007	-7.2283	0.3572	0.3592	7.2629	7.2836
	Mean	-7.5757	-7.5781	0.3312	0.3358	7.0137	7.0399
	Std. Dev	0.2816	0.2767	0.0227	0.0159	0.1576	0.1655
	Mean - 3 Sigma	-8.4206	-8.4083	0.2632	0.2881	6.5408	6.5432
	Mean + 3 Sigma	-6.7308	-6.7479	0.3993	0.3834	7.4866	7.5365
2.00E+12	11	-7.653	-7.630	0.303	0.348	7.128	7.152
	12	-7.754	-7.754	0.305	0.305	7.103	7.111
	13	-7.785	-7.754	0.326	0.337	6.914	6.926
	14	-7.403	-7.389	0.326	0.326	6.766	6.779
	15	-7.442	-7.432	0.336	0.336	7.077	7.126
	16	-7.901	-7.870	0.328	0.384	7.078	7.083
	17	-7.381	-7.377	0.313	0.313	6.584	6.583
	18	-7.475	-7.473	0.336	0.336	6.780	6.783
	19	-7.682	-7.678	0.303	0.303	7.209	7.207
	20	-7.538	-7.544	0.315	0.314	6.926	6.905
	Min	-7.9011	-7.8704	0.3031	0.3031	6.5835	6.5830
	Max	-7.3808	-7.3769	0.3365	0.3838	7.2087	7.2068
	Mean	-7.6014	-7.5901	0.3191	0.3303	6.9565	6.9655
	Std. Dev	0.1793	0.1727	0.0131	0.0242	0.1982	0.2036
	Mean - 3 Sigma	-8.1393	-8.1081	0.2798	0.2577	6.3619	6.3549
	Mean + 3 Sigma	-7.0635	-7.0720	0.3583	0.4030	7.5511	7.5762

		PG1 Hi Hysteresis		PG2 Upper Threshold Offset from VFB		PG2 Hi Hysteresis	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.331	0.323	6.857	6.879	0.331	0.286
1.00E+12	1	0.308	0.338	7.039	7.052	0.316	0.308
	2	0.324	0.316	6.676	6.678	0.332	0.332
	3	0.316	0.316	7.033	7.024	0.301	0.339
	4	0.294	0.286	6.698	6.701	0.286	0.286
	5	0.316	0.271	7.072	7.061	0.316	0.316
	6	0.316	0.316	7.082	7.079	0.301	0.301
	7	0.338	0.286	7.065	7.087	0.316	0.309
	8	0.331	0.294	6.984	6.969	0.331	0.339
	9	0.293	0.294	7.069	7.083	0.316	0.316
	10	0.308	0.308	6.974	6.930	0.279	0.324
	Min	0.2935	0.2707	6.6764	6.6783	0.2788	0.2863
	Max	0.3383	0.3384	7.0824	7.0866	0.3315	0.3389
	Mean	0.3145	0.3024	6.9693	6.9664	0.3095	0.3170
	Std. Dev	0.0145	0.0200	0.1530	0.1546	0.0175	0.0168
	Mean - 3 Sigma	0.2710	0.2424	6.5101	6.5027	0.2571	0.2666
	Mean + 3 Sigma	0.3579	0.3625	7.4284	7.4302	0.3619	0.3674
2.00E+12	11	0.331	0.293	7.192	7.218	0.301	0.301
	12	0.301	0.301	6.883	6.929	0.339	0.294
	13	0.293	0.323	6.717	6.733	0.301	0.293
	14	0.301	0.301	7.079	7.096	0.309	0.309
	15	0.338	0.293	7.105	7.116	0.324	0.324
	16	0.279	0.309	6.662	6.678	0.294	0.286
	17	0.316	0.316	6.955	6.960	0.301	0.301
	18	0.278	0.316	7.247	7.250	0.331	0.331
	19	0.323	0.323	6.932	6.936	0.301	0.339
	20	0.293	0.331	6.943	6.936	0.316	0.316
	Min	0.2783	0.2934	6.6622	6.6777	0.2938	0.2863
	Max	0.3384	0.3310	7.2471	7.2501	0.3393	0.3386
	Mean	0.3055	0.3107	6.9715	6.9851	0.3118	0.3095
	Std. Dev	0.0210	0.0132	0.1900	0.1887	0.0153	0.0175
	Mean - 3 Sigma	0.2424	0.2710	6.4014	6.4190	0.2660	0.2570
	Mean + 3 Sigma	0.3685	0.3504	7.5416	7.5512	0.3576	0.3620

		SYNC_Threshold RampDown		SYNC_Threshold RampUp		Source I_Vc1 at FB-200mV @ Vin=6V Vc=1.25V	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	0.922	0.922	1.173	1.181	-162.638	-163.835
1.00E+12	1	0.934	0.940	1.189	1.189	-161.187	-161.959
	2	0.922	0.922	1.157	1.157	-172.482	-173.241
	3	0.928	0.928	1.173	1.181	-165.915	-166.525
	4	0.910	0.910	1.141	1.141	-172.281	-173.516
	5	0.928	0.934	1.189	1.189	-167.628	-168.826
	6	0.928	0.928	1.165	1.173	-169.292	-171.540
	7	0.940	0.940	1.181	1.181	-164.001	-165.999
	8	0.910	0.910	1.157	1.157	-163.463	-164.999
	9	0.934	0.934	1.197	1.197	-174.670	-176.568
	10	0.928	0.928	1.165	1.173	-172.306	-173.967
	Min	0.9096	0.9096	1.1406	1.1406	-174.6704	-176.5683
	Max	0.9398	0.9398	1.1968	1.1968	-161.1869	-161.9593
	Mean	0.9259	0.9271	1.1711	1.1735	-168.3227	-169.7141
	Std. Dev	0.0099	0.0108	0.0177	0.0175	4.5893	4.7426
	Mean - 3 Sigma	0.8963	0.8947	1.1180	1.1209	-182.0906	-183.9419
	Mean + 3 Sigma	0.9555	0.9595	1.2241	1.2261	-154.5547	-155.4862
2.00E+12	11	0.940	0.940	1.189	1.197	-155.633	-156.568
	12	0.898	0.898	1.124	1.124	-149.842	-150.928
	13	0.922	0.922	1.165	1.165	-180.799	-182.459
	14	0.934	0.934	1.189	1.197	-170.393	-172.178
	15	0.928	0.928	1.165	1.165	-169.592	-171.002
	16	0.916	0.916	1.157	1.165	-181.350	-183.097
	17	0.940	0.940	1.189	1.189	-160.274	-161.834
	18	0.916	0.916	1.149	1.157	-172.794	-174.242
	19	0.928	0.928	1.165	1.165	-172.144	-173.591
	20	0.934	0.940	1.181	1.181	-175.246	-177.056
	Min	0.8976	0.8976	1.1245	1.1245	-181.3495	-183.0973
	Max	0.9398	0.9398	1.1888	1.1968	-149.8423	-150.9275
	Mean	0.9253	0.9259	1.1671	1.1703	-168.8067	-170.2957
	Std. Dev	0.0131	0.0136	0.0208	0.0218	10.4284	10.6624
	Mean - 3 Sigma	0.8861	0.8850	1.1048	1.1050	-200.0919	-202.2827
	Mean + 3 Sigma	0.9645	0.9668	1.2293	1.2356	-137.5215	-138.3086

		Sink I_Vc1 at FB+200mV @ Vin=6V Vc=1.25V		Gm Error Amp1 @ Vin=6V Vc=1.25V		VC-SW1iGain[(T2300.1+T2300.3)/T4400.0], dummy@hot	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	160.764	161.489	808.505	813.312	6.395	6.416
1.00E+12	1	158.888	159.275	800.188	803.087	6.303	6.336
	2	171.483	172.383	859.912	864.061	6.122	6.146
	3	164.204	164.654	825.297	827.945	6.045	6.069
	4	171.746	172.746	860.069	865.656	6.351	6.376
	5	165.867	166.517	833.740	838.358	6.033	6.048
	6	166.881	168.781	840.431	850.803	6.131	6.138
	7	160.051	161.427	810.131	818.565	6.219	6.225
	8	161.139	162.802	811.507	819.503	6.153	6.161
	9	174.610	176.498	873.202	882.667	6.125	6.132
	10	168.669	170.169	852.439	860.340	6.080	6.086
	Min	158.8881	159.2753	800.1875	803.0865	6.0329	6.0476
	Max	174.6104	176.4984	873.2019	882.6666	6.3508	6.3759
	Mean	166.3540	167.5254	836.6916	843.0986	6.1562	6.1718
	Std. Dev	5.3407	5.5454	24.7015	25.5653	0.1052	0.1097
	Mean - 3 Sigma	150.3319	150.8891	762.5871	766.4026	5.8406	5.8428
	Mean + 3 Sigma	182.3760	184.1617	910.7961	919.7946	6.4718	6.5007
2.00E+12	11	152.809	153.697	771.107	775.663	6.130	6.138
	12	146.693	147.606	741.338	746.333	6.314	6.329
	13	178.138	178.962	897.342	903.554	6.314	6.311
	14	169.682	171.083	850.188	858.152	6.108	6.104
	15	166.543	167.856	840.338	847.145	6.124	6.129
	16	180.677	182.014	905.066	912.779	6.104	6.128
	17	157.287	158.287	793.902	800.304	6.110	6.113
	18	171.158	172.634	859.881	867.188	6.166	6.191
	19	170.008	170.882	855.378	861.185	6.096	6.105
	20	172.559	173.734	869.512	876.976	6.148	6.163
	Min	146.6929	147.6057	741.3383	746.3329	6.0962	6.1036
	Max	180.6767	182.0143	905.0656	912.7788	6.3140	6.3292
	Mean	166.5554	167.6755	838.4052	844.9278	6.1614	6.1710
	Std. Dev	10.9639	11.0682	53.4459	54.2805	0.0831	0.0832
	Mean - 3 Sigma	133.6637	134.4708	678.0674	682.0864	5.9121	5.9215
	Mean + 3 Sigma	199.4470	200.8801	998.7429	1007.7692	6.4106	6.4204

		Source I_Vc2 at FB-200mV @ Vin=6V Vc=1.25V		Sink I_Vc2 at FB+200mV @ Vin=6V Vc=1.25V		Gm Error Amp2 @ Vin=6V Vc=1.25V	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	-162.532	-163.792	160.921	161.308	808.630	812.749
1.00E+12	1	-161.162	-161.934	158.844	159.219	800.016	802.883
	2	-172.469	-173.122	171.571	172.358	860.100	863.702
	3	-165.852	-166.637	164.379	164.810	825.578	828.618
	4	-172.431	-173.523	171.840	172.596	860.678	865.297
	5	-167.635	-168.813	165.717	166.355	833.380	837.920
	6	-169.280	-171.628	167.031	168.812	840.775	851.100
	7	-164.014	-166.056	160.064	161.614	810.194	819.174
	8	-163.269	-164.999	160.952	162.846	810.553	819.612
	9	-174.351	-176.318	174.523	176.380	872.186	881.744
	10	-172.075	-173.867	168.750	170.044	852.064	859.778
	Min	-174.3514	-176.3181	158.8443	159.2190	800.0156	802.8832
	Max	-161.1619	-161.9343	174.5228	176.3796	872.1857	881.7441
	Mean	-168.2539	-169.6897	166.3671	167.5035	836.5524	842.9829
	Std. Dev	4.5622	4.6792	5.3717	5.4776	24.7226	25.2335
	Mean - 3 Sigma	-181.9404	-183.7274	150.2521	151.0707	762.3845	767.2825
	Mean + 3 Sigma	-154.5673	-155.6519	182.4821	183.9363	910.7203	918.6833
2.00E+12	11	-155.621	-156.825	152.709	153.841	770.825	776.664
	12	-149.630	-150.702	146.612	147.706	740.603	746.020
	13	-180.687	-182.272	178.075	178.981	896.904	903.132
	14	-170.149	-172.266	169.632	171.183	849.453	858.621
	15	-169.348	-171.084	166.380	167.774	839.321	847.145
	16	-181.243	-183.347	180.739	181.996	904.956	913.357
	17	-160.199	-161.715	157.362	158.268	793.902	799.960
	18	-172.619	-174.304	171.127	172.390	859.365	866.735
	19	-171.962	-173.416	169.757	170.995	854.299	861.028
	20	-175.252	-176.762	172.703	173.815	869.887	876.444
	Min	-181.2432	-183.3474	146.6116	147.7057	740.6034	746.0203
	Max	-149.6297	-150.7024	180.7392	181.9955	904.9561	913.3573
	Mean	-168.6710	-170.2694	166.5097	167.6949	837.9517	844.9106
	Std. Dev	10.4321	10.6712	10.9863	11.0293	53.5078	54.2172
	Mean - 3 Sigma	-199.9673	-202.2830	133.5508	134.6069	677.4283	682.2589
	Mean + 3 Sigma	-137.3747	-138.2558	199.4686	200.7828	998.4752	1007.5624

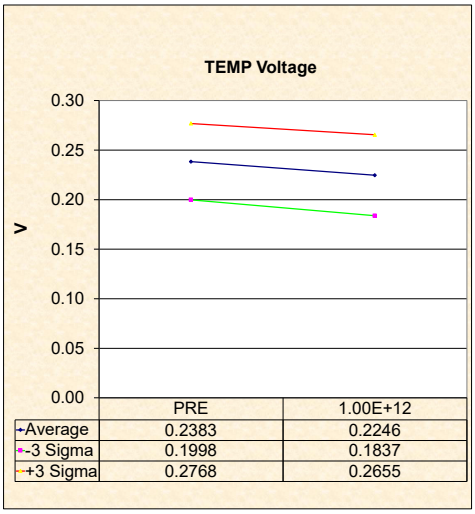
		VC-SW2iGain[(T2350.1+T2350.3)/T4450.0], dummy@hot		Feedback Voltage Line Regulation 1		Feedback Voltage Line Regulation 2	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	6.388	6.389	1.883E-03	1.885E-03	1.794E-03	1.754E-03
1.00E+12	1	6.489	6.512	1.771E-03	1.692E-03	1.959E-03	1.787E-03
	2	6.509	6.523	2.007E-03	1.878E-03	1.509E-03	1.554E-03
	3	6.321	6.337	1.974E-03	1.804E-03	1.845E-03	1.870E-03
	4	6.469	6.484	1.767E-03	1.712E-03	1.567E-03	1.495E-03
	5	6.367	6.381	2.142E-03	2.233E-03	1.964E-03	1.942E-03
	6	6.424	6.430	1.960E-03	1.939E-03	1.766E-03	1.782E-03
	7	6.472	6.477	1.752E-03	1.818E-03	1.768E-03	1.716E-03
	8	6.469	6.476	2.006E-03	2.046E-03	1.579E-03	1.720E-03
	9	6.302	6.300	1.900E-03	1.766E-03	1.781E-03	1.735E-03
	10	6.432	6.438	1.662E-03	1.829E-03	1.991E-03	1.759E-03
	Min	6.3021	6.3003	1.662E-03	1.692E-03	1.509E-03	1.495E-03
	Max	6.5089	6.5232	2.142E-03	2.233E-03	1.991E-03	1.942E-03
	Mean	6.4254	6.4358	1.894E-03	1.872E-03	1.773E-03	1.736E-03
	Std. Dev	0.0719	0.0748	1.501E-04	1.646E-04	1.744E-04	1.321E-04
	Mean - 3 Sigma	6.2097	6.2114	1.444E-03	1.378E-03	1.250E-03	1.340E-03
	Mean + 3 Sigma	6.6412	6.6602	2.344E-03	2.366E-03	2.296E-03	2.132E-03
2.00E+12	11	6.479	6.485	1.932E-03	1.903E-03	1.668E-03	1.880E-03
	12	6.640	6.645	1.629E-03	1.542E-03	9.739E-04	1.166E-03
	13	6.376	6.379	1.874E-03	1.751E-03	1.645E-03	1.901E-03
	14	6.361	6.367	2.406E-03	2.453E-03	1.693E-03	1.611E-03
	15	6.562	6.567	2.027E-03	1.994E-03	1.676E-03	1.678E-03
	16	6.451	6.465	2.027E-03	2.095E-03	1.433E-03	1.395E-03
	17	6.421	6.425	1.825E-03	1.751E-03	1.487E-03	1.414E-03
	18	6.543	6.558	2.070E-03	1.896E-03	1.512E-03	1.586E-03
	19	6.494	6.499	1.952E-03	1.816E-03	1.784E-03	1.739E-03
	20	6.381	6.394	2.077E-03	1.976E-03	1.966E-03	1.908E-03
	Min	6.3611	6.3669	1.629E-03	1.542E-03	9.739E-04	1.166E-03
	Max	6.6402	6.6450	2.406E-03	2.453E-03	1.966E-03	1.908E-03
	Mean	6.4709	6.4783	1.982E-03	1.918E-03	1.584E-03	1.628E-03
	Std. Dev	0.0912	0.0912	2.014E-04	2.438E-04	2.638E-04	2.465E-04
	Mean - 3 Sigma	6.1973	6.2046	1.378E-03	1.186E-03	7.926E-04	8.882E-04
	Mean + 3 Sigma	6.7444	6.7520	2.586E-03	2.649E-03	2.375E-03	2.367E-03

		BIAS_pin_Current_Consumption		SS1_Pin_Current		SS2_Pin_Current	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	5.571	5.585	-2.089	-2.087	-2.093	-2.094
1.00E+12	1	5.522	5.533	-1.980	-1.982	-1.953	-1.950
	2	5.519	5.534	-1.879	-1.880	-1.859	-1.861
	3	5.584	5.590	-2.068	-2.071	-1.961	-1.964
	4	5.544	5.559	-1.888	-1.885	-1.832	-1.834
	5	5.557	5.573	-2.056	-2.058	-2.060	-2.062
	6	5.596	5.602	-1.949	-1.954	-1.918	-1.916
	7	5.510	5.507	-1.948	-1.950	-1.902	-1.904
	8	5.557	5.566	-1.912	-1.911	-1.922	-1.923
	9	5.538	5.540	-1.978	-1.976	-1.967	-1.964
	10	5.574	5.585	-2.039	-2.039	-1.996	-1.998
	Min	5.5102	5.5075	-2.0682	-2.0710	-2.0595	-2.0622
	Max	5.5956	5.6025	-1.8794	-1.8798	-1.8316	-1.8340
	Mean	5.5501	5.5590	-1.9698	-1.9705	-1.9369	-1.9377
	Std. Dev	0.0288	0.0300	0.0675	0.0686	0.0660	0.0660
	Mean - 3 Sigma	5.4638	5.4689	-2.1724	-2.1762	-2.1349	-2.1356
	Mean + 3 Sigma	5.6364	5.6490	-1.7672	-1.7648	-1.7389	-1.7398
2.00E+12	11	5.538	5.545	-1.852	-1.854	-1.918	-1.917
	12	5.531	5.539	-1.795	-1.796	-1.809	-1.809
	13	5.561	5.570	-2.039	-2.039	-2.004	-2.004
	14	5.555	5.563	-2.053	-2.055	-2.030	-2.031
	15	5.572	5.577	-2.004	-2.009	-2.004	-2.002
	16	5.577	5.586	-2.001	-2.008	-1.983	-1.980
	17	5.455	5.465	-1.852	-1.853	-1.838	-1.839
	18	5.559	5.572	-1.977	-1.978	-1.988	-1.990
	19	5.544	5.552	-1.999	-2.003	-1.934	-1.937
	20	5.523	5.534	-1.983	-1.983	-1.992	-1.989
	Min	5.4552	5.4654	-2.0526	-2.0551	-2.0296	-2.0312
	Max	5.5768	5.5861	-1.7955	-1.7955	-1.8092	-1.8090
	Mean	5.5415	5.5504	-1.9555	-1.9578	-1.9500	-1.9498
	Std. Dev	0.0349	0.0344	0.0888	0.0897	0.0746	0.0743
	Mean - 3 Sigma	5.4367	5.4473	-2.2219	-2.2270	-2.1737	-2.1727
	Mean + 3 Sigma	5.6464	5.6535	-1.6891	-1.6887	-1.7264	-1.7269

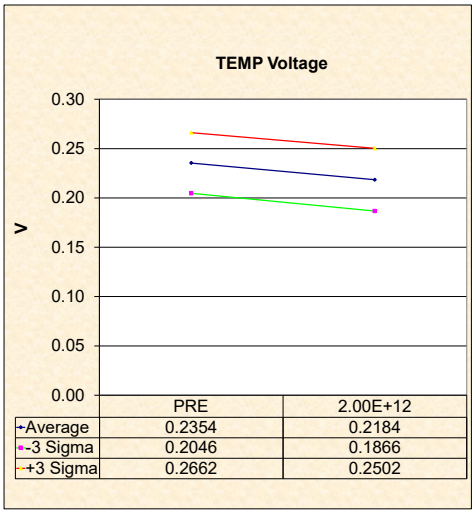
		Datasheet_Osc_High [Rt=15K]		Datasheet_Osc_Low [Rt=35.7K]		Datasheet_Osc_Low [Rt=133K]	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	2056.004	2055.744	1007.497	1007.142	298.248	298.093
1.00E+12	1	2046.792	2046.519	1005.157	1005.017	299.354	299.275
	2	2013.817	2013.028	992.714	992.062	299.641	299.403
	3	2044.150	2044.243	1005.333	1005.449	302.898	302.983
	4	2034.010	2033.740	1004.464	1004.184	304.223	304.147
	5	2048.039	2048.427	1001.839	1002.059	295.854	295.968
	6	2029.183	2027.435	1004.467	1004.413	307.074	307.363
	7	2029.575	2026.909	998.183	997.488	299.312	299.202
	8	2008.396	2006.745	992.233	991.817	300.218	300.193
	9	2023.407	2021.429	995.628	995.238	300.169	300.186
	10	2021.019	2019.624	992.947	992.606	298.141	298.135
	Min	2008.3964	2006.7451	992.2328	991.8173	295.8545	295.9677
	Max	2048.0388	2048.4270	1005.3334	1005.4490	307.0738	307.3630
	Mean	2029.8388	2028.8098	999.2965	999.0335	300.6884	300.6855
	Std. Dev	13.6503	14.3030	5.5671	5.7770	3.2192	3.2818
	Mean - 3 Sigma	1988.8880	1985.9007	982.5952	981.7025	291.0307	290.8400
	Mean + 3 Sigma	2070.7896	2071.7189	1015.9978	1016.3644	310.3461	310.5310
2.00E+12	11	2040.793	2039.187	1005.291	1004.777	301.699	301.582
	12	2014.837	2013.550	1000.274	1000.191	300.370	300.535
	13	2042.798	2042.116	1007.196	1007.034	304.187	304.212
	14	2015.039	2014.328	994.040	994.176	302.835	303.048
	15	2042.036	2040.080	1004.205	1003.441	302.696	302.499
	16	2039.467	2037.799	1004.710	1003.824	301.402	301.089
	17	2039.725	2039.052	1002.920	1002.707	297.405	297.399
	18	2028.064	2027.631	994.639	994.493	297.479	297.385
	19	2016.252	2015.909	991.695	991.475	298.944	298.953
	20	2026.992	2026.003	995.710	995.060	301.625	301.435
	Min	2014.8374	2013.5497	991.6951	991.4754	297.4048	297.3850
	Max	2042.7977	2042.1162	1007.1965	1007.0344	304.1869	304.2117
	Mean	2030.6004	2029.5655	1000.0680	999.7180	300.8639	300.8137
	Std. Dev	11.8382	11.5953	5.5762	5.4433	2.2902	2.2946
	Mean - 3 Sigma	1995.0859	1994.7797	983.3395	983.3883	293.9934	293.9300
	Mean + 3 Sigma	2066.1148	2064.3514	1016.7965	1016.0478	307.7344	307.6974

		Spread_Spectrum_Threshold [1Mhz] CH1		Spread_Spectrum_Modulation_Pct[At threshold] CH1		Spread_Spectrum_3kHz CH1	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	2.500	2.500	18.220	18.868	5.319	1.736
1.00E+12	1	2.550	2.550	19.221	19.383	4.808	4.808
	2	2.500	2.500	18.599	18.226	4.386	4.386
	3	2.500	2.500	18.773	18.108	5.319	5.102
	4	2.550	2.550	17.372	17.282	4.808	5.682
	5	2.550	2.550	18.139	18.280	5.556	5.000
	6	2.550	2.550	18.065	17.878	5.319	4.808
	7	2.550	2.550	16.749	16.815	5.208	5.208
	8	2.500	2.500	16.762	16.888	5.435	5.208
	9	2.550	2.550	18.604	18.533	4.717	5.208
	10	2.550	2.550	17.769	17.304	5.556	5.000
	Min	2.5000	2.5000	16.7493	16.8150	4.3860	4.3860
	Max	2.5500	2.5500	19.2208	19.3826	5.5556	5.6818
	Mean	2.5350	2.5350	18.0053	17.8696	5.1111	5.0410
	Std. Dev	0.0242	0.0242	0.8420	0.8044	0.4029	0.3399
	Mean - 3 Sigma	2.4625	2.4625	15.4793	15.4564	3.9023	4.0214
	Mean + 3 Sigma	2.6075	2.6075	20.5314	20.2828	6.3199	6.0607
2.00E+12	11	2.500	2.500	17.538	18.322	5.814	5.102
	12	2.500	2.500	17.071	17.018	4.545	4.630
	13	2.550	2.550	18.425	18.519	5.682	4.902
	14	2.500	2.500	17.435	17.517	5.682	5.435
	15	2.550	2.550	17.738	17.876	6.098	1.969
	16	2.500	2.500	17.659	17.877	1.984	6.250
	17	2.550	2.550	17.661	18.043	4.902	4.902
	18	2.500	2.500	18.367	18.473	5.208	5.208
	19	2.550	2.550	17.218	17.203	4.464	4.464
	20	2.550	2.550	17.835	17.824	5.952	6.098
	Min	2.5000	2.5000	17.0705	17.0176	1.9841	1.9685
	Max	2.5500	2.5500	18.4251	18.5189	6.0976	6.2500
	Mean	2.5250	2.5250	17.6947	17.8671	5.0332	4.8959
	Std. Dev	0.0264	0.0264	0.4369	0.5075	1.2172	1.1802
	Mean - 3 Sigma	2.4459	2.4459	16.3839	16.3446	1.3815	1.3554
	Mean + 3 Sigma	2.6041	2.6041	19.0054	19.3895	8.6849	8.4364

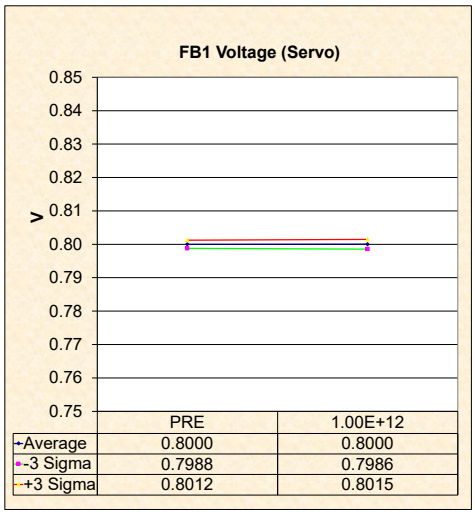
		Spread_Spectrum_Threshold [1Mhz] CH2		Spread_Spectrum_Modulation_Pct[At threshold] CH2		Spread_Spectrum_3kHz CH2	
	SN	PRE	Post	PRE	Post	PRE	Post
CTRL	21	2.500	2.500	18.768	19.416	6.410	2.119
1.00E+12	1	2.550	2.550	19.927	19.278	6.757	5.435
	2	2.500	2.500	18.435	18.436	6.098	5.556
	3	2.500	2.500	18.496	18.498	6.250	6.579
	4	2.550	2.550	18.180	18.138	6.757	5.682
	5	2.550	2.550	18.963	18.905	6.410	2.101
	6	2.500	2.500	18.200	17.741	5.952	6.579
	7	2.550	2.550	16.719	17.559	6.410	7.576
	8	2.500	2.500	17.702	16.727	6.579	6.410
	9	2.500	2.500	18.748	19.041	7.143	6.944
	10	2.500	2.500	18.358	18.352	6.757	7.143
	Min	2.5000	2.5000	16.7191	16.7266	5.9524	2.1008
	Max	2.5500	2.5500	19.9265	19.2779	7.1429	7.5758
	Mean	2.5200	2.5200	18.3727	18.2676	6.5113	6.0004
	Std. Dev	0.0258	0.0258	0.8283	0.7663	0.3585	1.5399
	Mean - 3 Sigma	2.4425	2.4425	15.8877	15.9687	5.4359	1.3807
	Mean + 3 Sigma	2.5975	2.5975	20.8578	20.5664	7.5866	10.6201
2.00E+12	11	2.500	2.500	18.164	18.425	2.315	7.576
	12	2.500	2.500	16.907	17.360	5.208	4.237
	13	2.550	2.550	18.967	18.744	6.410	7.353
	14	2.500	2.500	17.647	18.004	7.353	2.119
	15	2.550	2.550	18.255	18.002	2.381	7.353
	16	2.500	2.500	18.579	18.182	6.098	7.353
	17	2.550	2.550	17.804	17.912	5.556	5.682
	18	2.500	2.500	18.258	18.498	6.579	6.757
	19	2.550	2.550	17.832	17.263	5.814	5.952
	20	2.550	2.550	18.369	18.961	6.944	8.065
	Min	2.5000	2.5000	16.9071	17.2633	2.3148	2.1186
	Max	2.5500	2.5500	18.9666	18.9609	7.3529	8.0645
	Mean	2.5250	2.5250	18.0782	18.1351	5.4658	6.2446
	Std. Dev	0.0264	0.0264	0.5666	0.5495	1.7613	1.8405
	Mean - 3 Sigma	2.4459	2.4459	16.3785	16.4867	0.1820	0.7231
	Mean + 3 Sigma	2.6041	2.6041	19.7780	19.7836	10.7496	11.7661



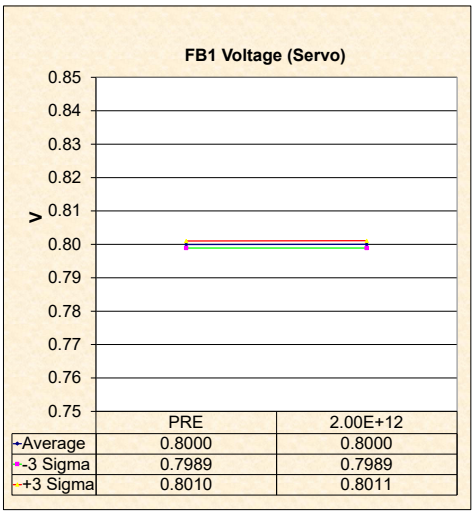
	PRE	1.00E+12
Average	0.2383	0.2246
-3 Sigma	0.1998	0.1837
+3 Sigma	0.2768	0.2655



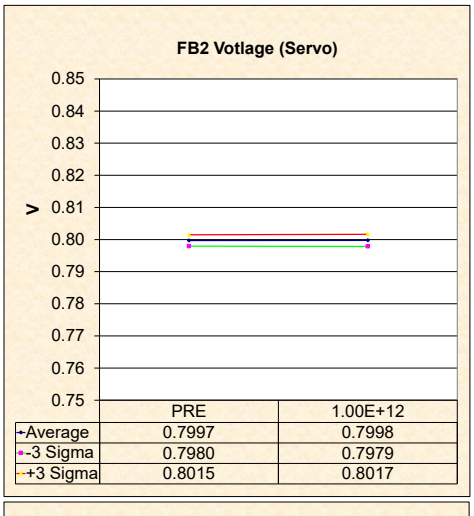
	PRE	2.00E+12
Average	0.2354	0.2184
-3 Sigma	0.2046	0.1866
+3 Sigma	0.2662	0.2502



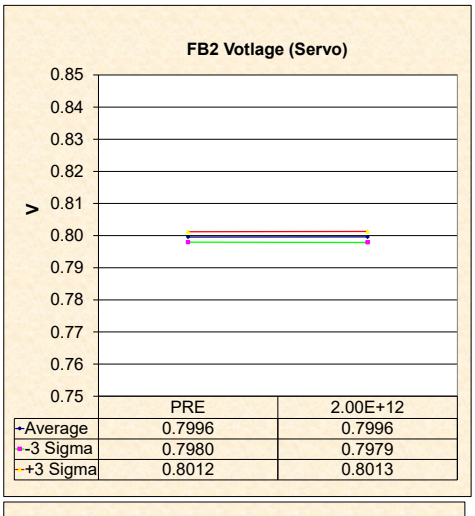
	PRE	1.00E+12
Average	0.8000	0.8000
-3 Sigma	0.7988	0.7986
+3 Sigma	0.8012	0.8015



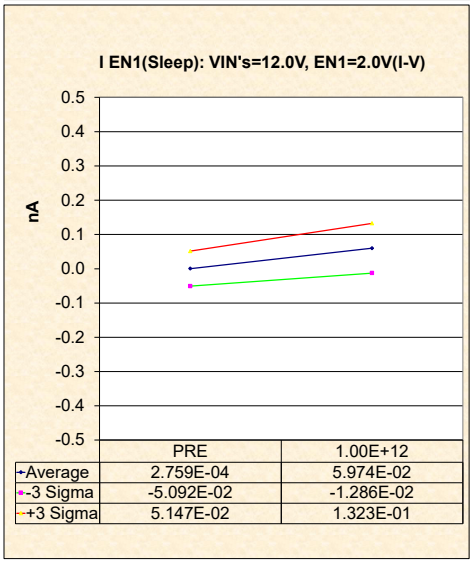
	PRE	2.00E+12
Average	0.8000	0.8000
-3 Sigma	0.7989	0.7989
+3 Sigma	0.8010	0.8011



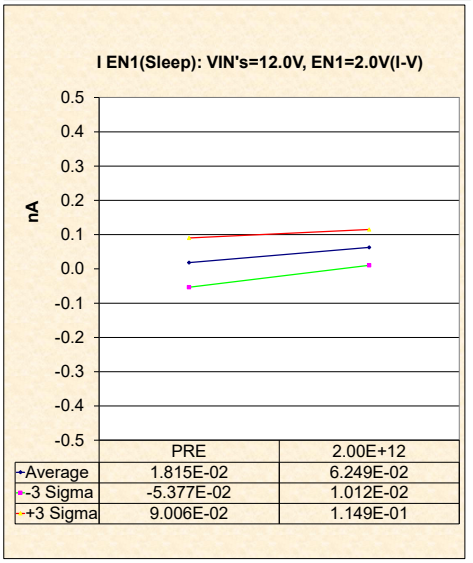
	PRE	1.00E+12
Average	0.7997	0.7998
-3 Sigma	0.7980	0.7979
+3 Sigma	0.8015	0.8017



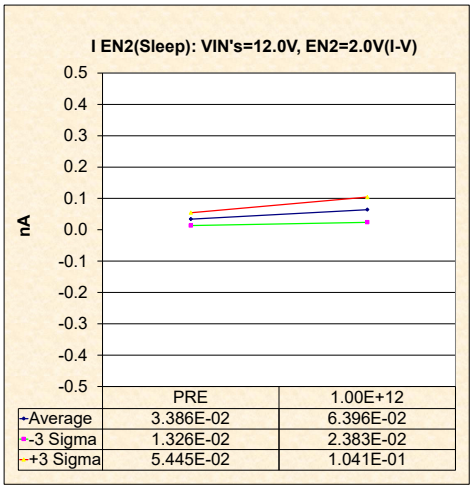
	PRE	2.00E+12
Average	0.7996	0.7996
-3 Sigma	0.7980	0.7979
+3 Sigma	0.8012	0.8013



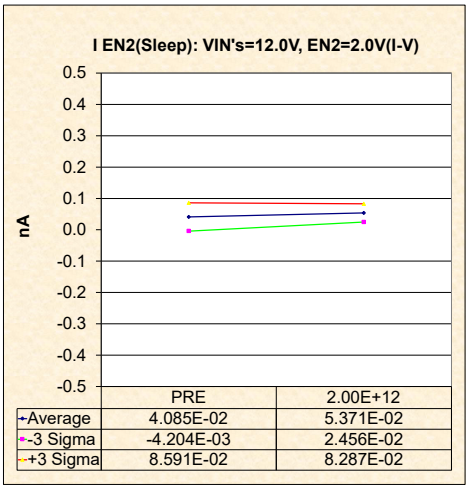
	PRE	1.00E+12
Average	2.759E-04	5.974E-02
-3 Sigma	-5.092E-02	-1.286E-02
+3 Sigma	5.147E-02	1.323E-01



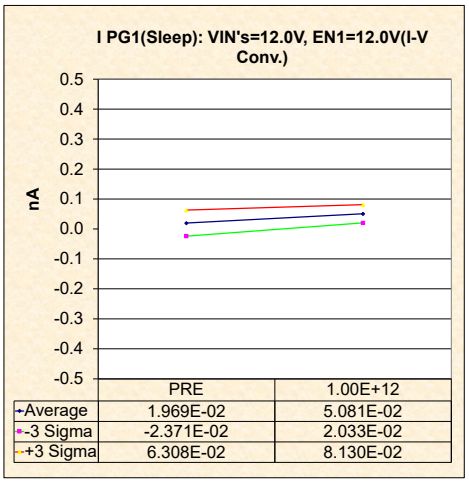
	PRE	2.00E+12
Average	1.815E-02	6.249E-02
-3 Sigma	-5.377E-02	1.012E-02
+3 Sigma	9.006E-02	1.149E-01



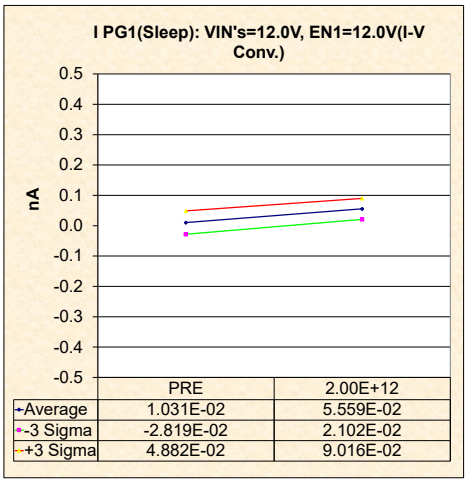
	PRE	1.00E+12
Average	3.386E-02	6.396E-02
-3 Sigma	1.326E-02	2.383E-02
+3 Sigma	5.445E-02	1.041E-01



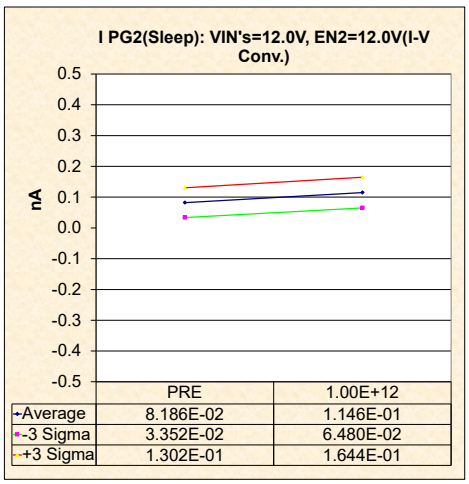
	PRE	2.00E+12
Average	4.085E-02	5.371E-02
-3 Sigma	-4.204E-03	2.456E-02
+3 Sigma	8.591E-02	8.287E-02



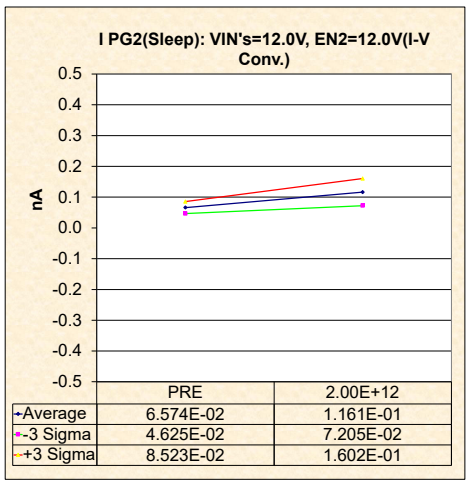
	PRE	1.00E+12
Average	1.969E-02	5.081E-02
-3 Sigma	-2.371E-02	2.033E-02
+3 Sigma	6.308E-02	8.130E-02



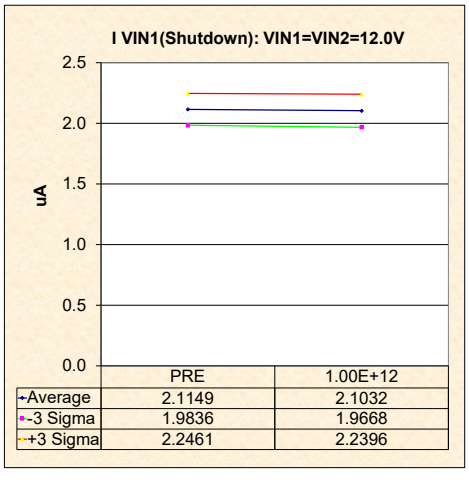
	PRE	2.00E+12
Average	1.031E-02	5.559E-02
-3 Sigma	-2.819E-02	2.102E-02
+3 Sigma	4.882E-02	9.016E-02



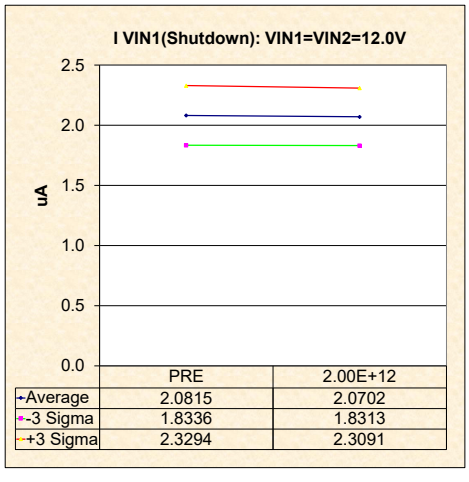
	PRE	1.00E+12
Average	8.186E-02	1.146E-01
-3 Sigma	3.352E-02	6.480E-02
+3 Sigma	1.302E-01	1.644E-01



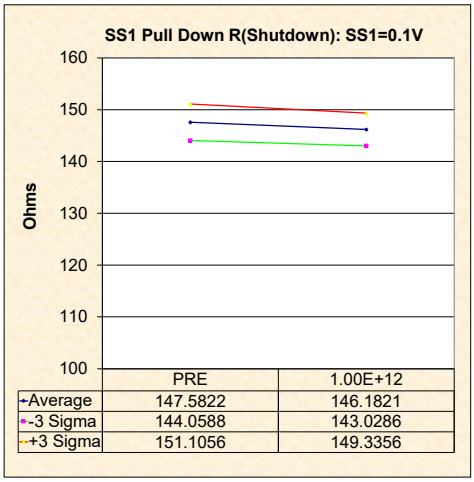
	PRE	2.00E+12
Average	6.574E-02	1.161E-01
-3 Sigma	4.625E-02	7.205E-02
+3 Sigma	8.523E-02	1.602E-01



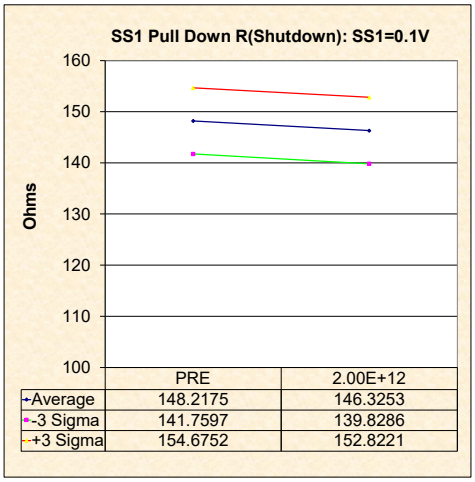
	PRE	1.00E+12
Average	2.1149	2.1032
-3 Sigma	1.9836	1.9668
+3 Sigma	2.2461	2.2396



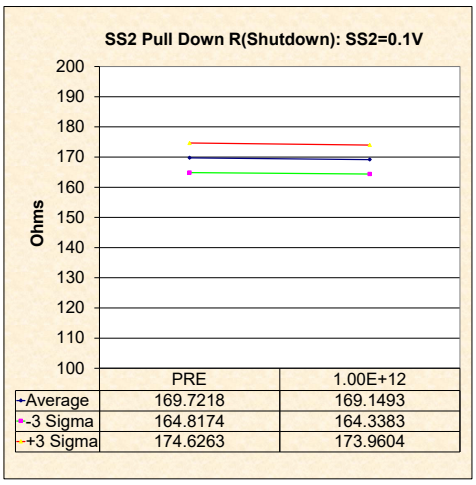
	PRE	2.00E+12
Average	2.0815	2.0702
-3 Sigma	1.8336	1.8313
+3 Sigma	2.3294	2.3091



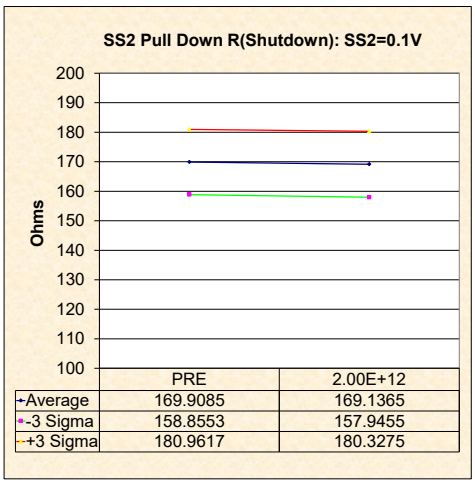
	PRE	1.00E+12
Average	147.5822	146.1821
-3 Sigma	144.0588	143.0286
+3 Sigma	151.1056	149.3356



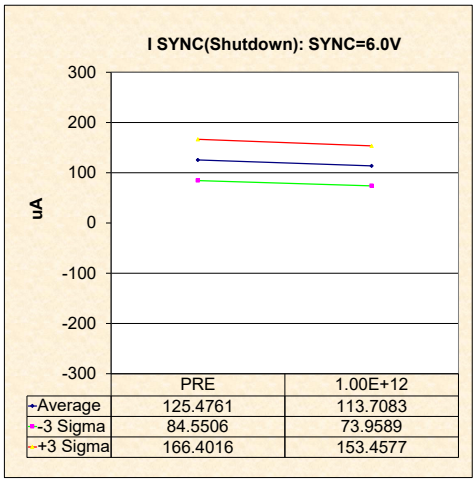
	PRE	2.00E+12
Average	148.2175	146.3253
-3 Sigma	141.7597	139.8286
+3 Sigma	154.6752	152.8221



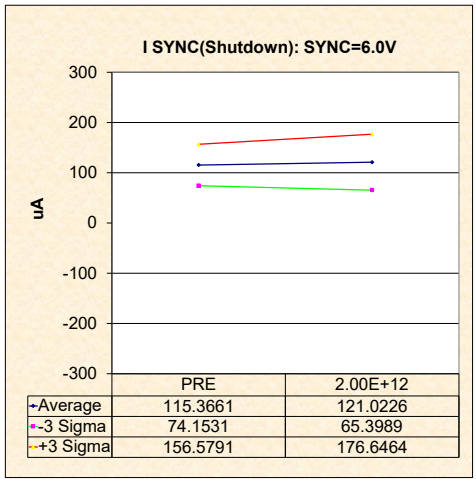
	PRE	1.00E+12
Average	169.7218	169.1493
-3 Sigma	164.8174	164.3383
+3 Sigma	174.6263	173.9604



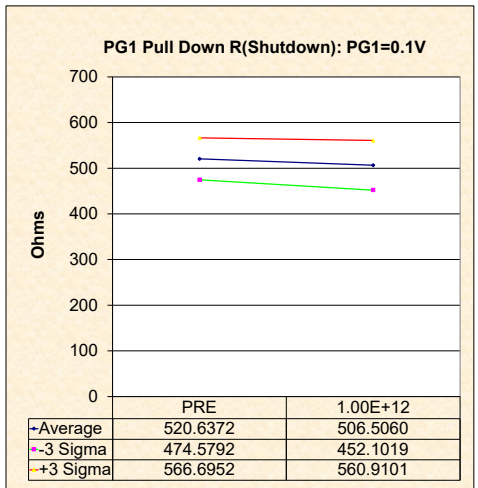
	PRE	2.00E+12
Average	169.9085	169.1365
-3 Sigma	158.8553	157.9455
+3 Sigma	180.9617	180.3275



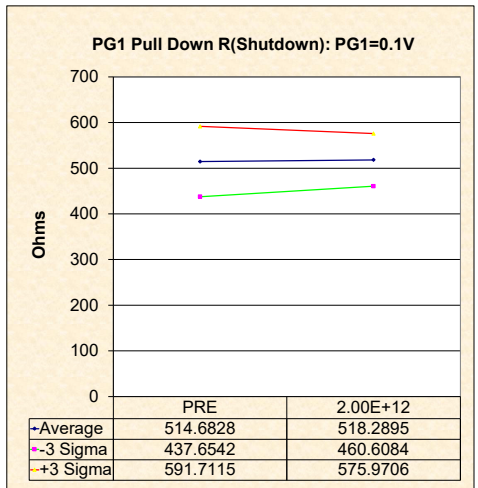
	PRE	1.00E+12
Average	125.4761	113.7083
-3 Sigma	84.5506	73.9589
+3 Sigma	166.4016	153.4577



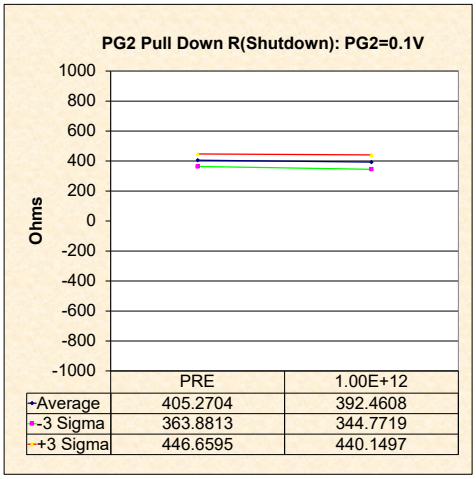
	PRE	2.00E+12
Average	115.3661	121.0226
-3 Sigma	74.1531	65.3989
+3 Sigma	156.5791	176.6464



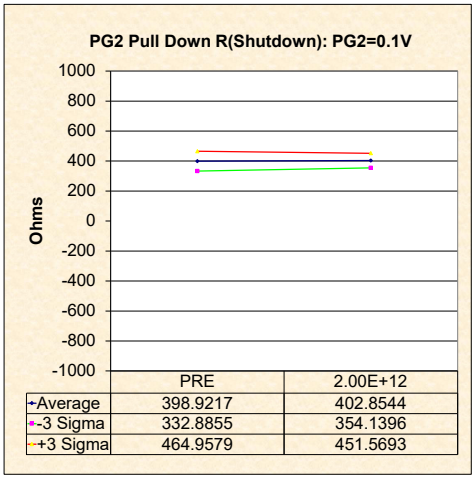
	PRE	1.00E+12
Average	520.6372	506.5060
-3 Sigma	474.5792	452.1019
+3 Sigma	566.6952	560.9101



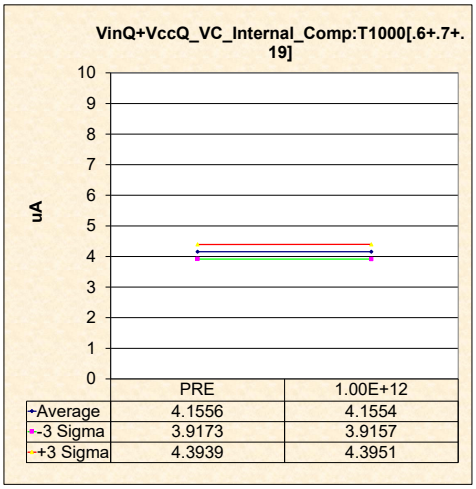
	PRE	2.00E+12
Average	514.6828	518.2895
-3 Sigma	437.6542	460.6084
+3 Sigma	591.7115	575.9706



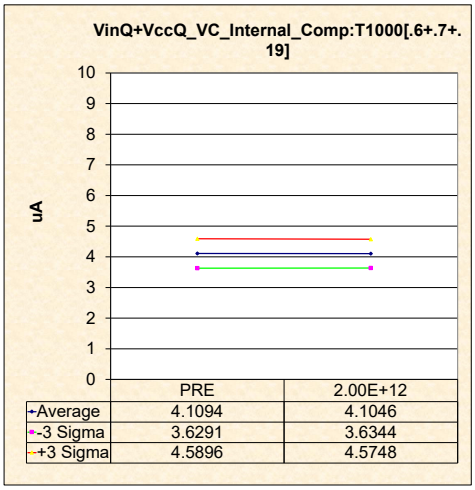
	PRE	1.00E+12
Average	405.2704	392.4608
-3 Sigma	363.8813	344.7719
+3 Sigma	446.6595	440.1497



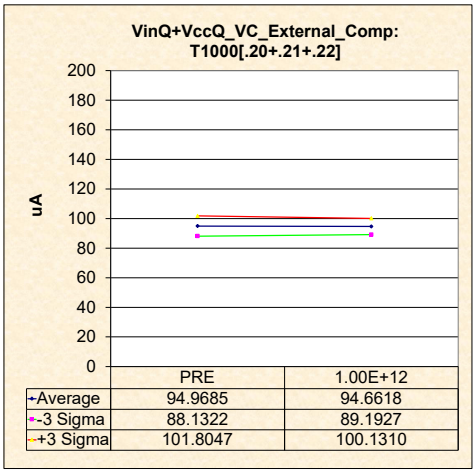
	PRE	2.00E+12
Average	398.9217	402.8544
-3 Sigma	332.8855	354.1396
+3 Sigma	464.9579	451.5693



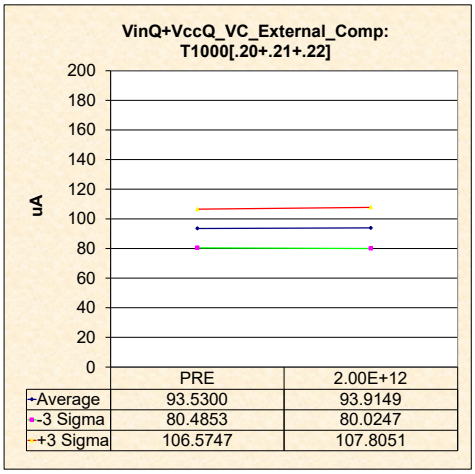
	PRE	1.00E+12
Average	4.1556	4.1554
-3 Sigma	3.9173	3.9157
+3 Sigma	4.3939	4.3951



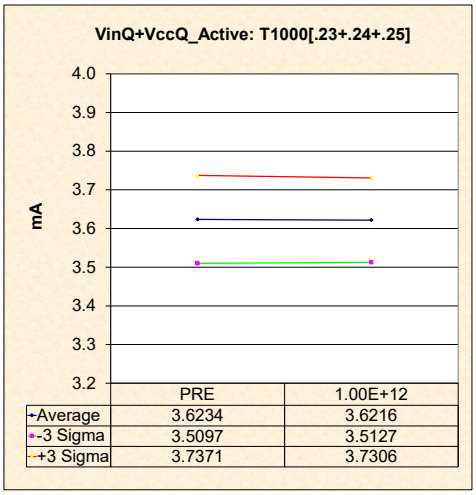
	PRE	2.00E+12
Average	4.1094	4.1046
-3 Sigma	3.6291	3.6344
+3 Sigma	4.5896	4.5748



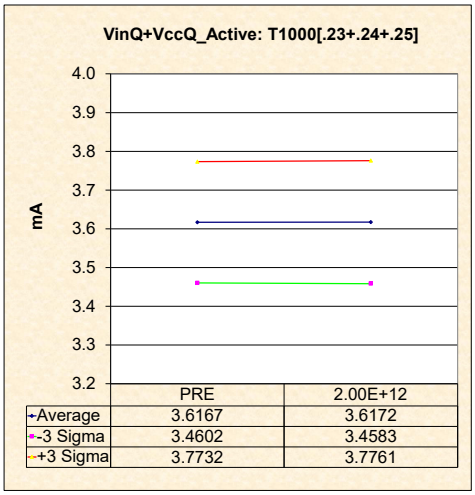
	PRE	1.00E+12
Average	94.9685	94.6618
-3 Sigma	88.1322	89.1927
+3 Sigma	101.8047	100.1310



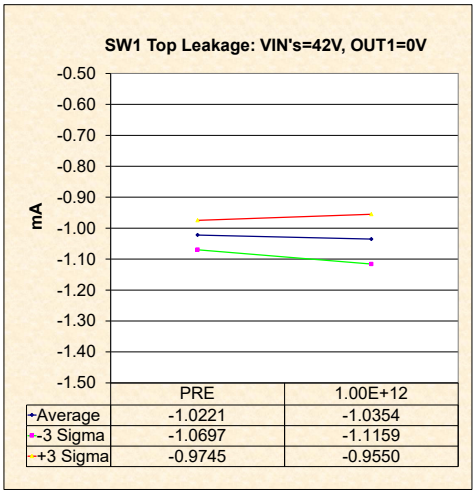
	PRE	2.00E+12
Average	93.5300	93.9149
-3 Sigma	80.4853	80.0247
+3 Sigma	106.5747	107.8051



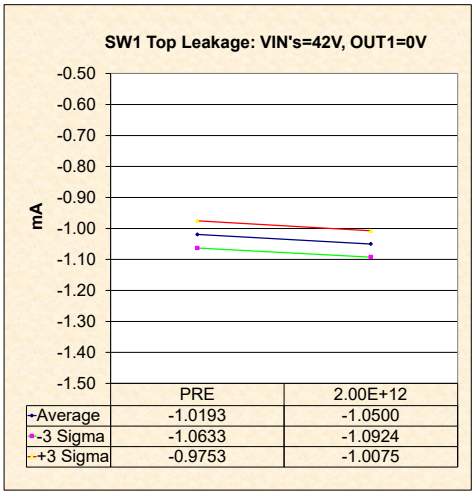
	PRE	1.00E+12
Average	3.6234	3.6216
-3 Sigma	3.5097	3.5127
+3 Sigma	3.7371	3.7306



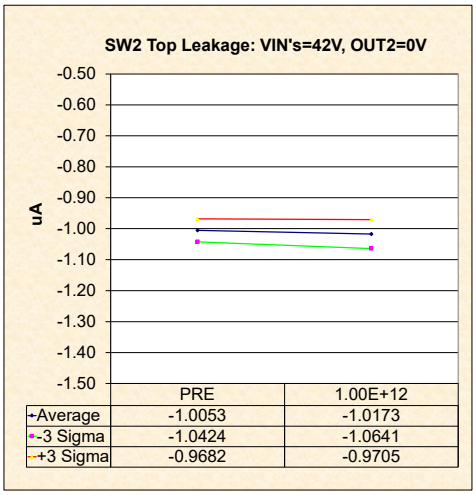
	PRE	2.00E+12
Average	3.6167	3.6172
-3 Sigma	3.4602	3.4583
+3 Sigma	3.7732	3.7761



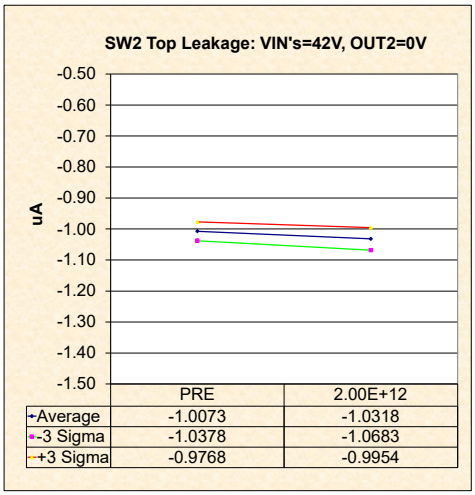
	PRE	1.00E+12
Average	-1.0221	-1.0354
-3 Sigma	-1.0697	-1.1159
+3 Sigma	-0.9745	-0.9550



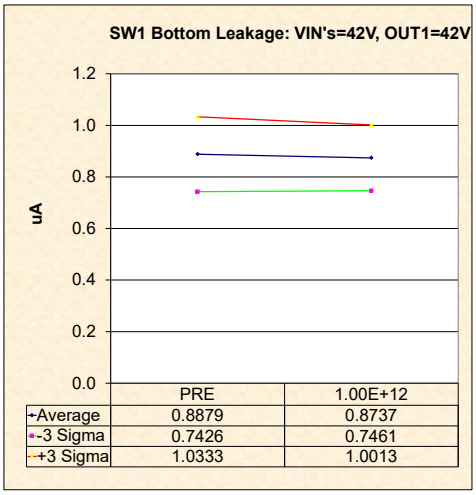
	PRE	2.00E+12
Average	-1.0193	-1.0500
-3 Sigma	-1.0633	-1.0924
+3 Sigma	-0.9753	-1.0075



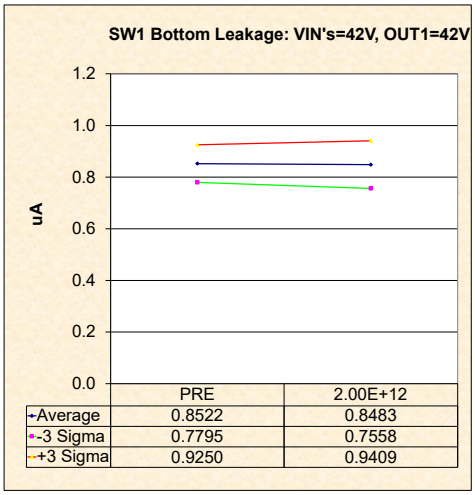
	PRE	1.00E+12
Average	-1.0053	-1.0173
-3 Sigma	-1.0424	-1.0641
+3 Sigma	-0.9682	-0.9705



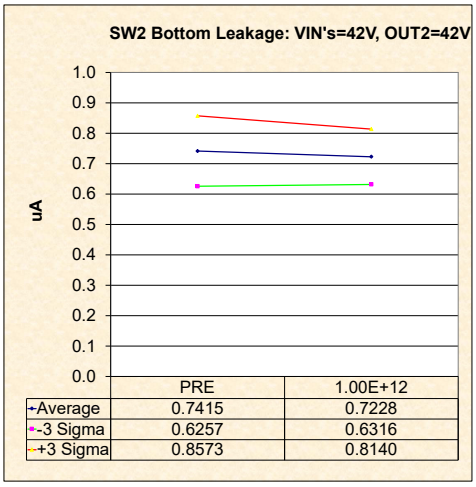
	PRE	2.00E+12
Average	-1.0073	-1.0318
-3 Sigma	-1.0378	-1.0683
+3 Sigma	-0.9768	-0.9954



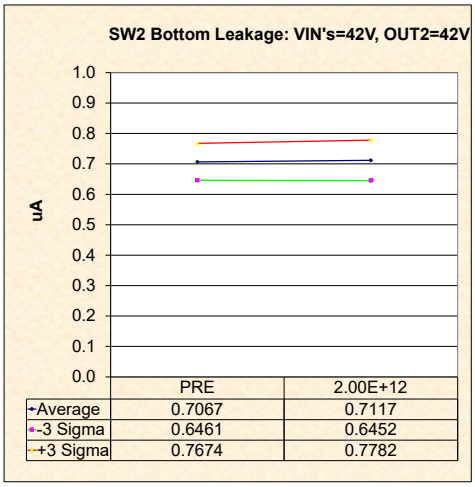
	PRE	1.00E+12
Average	0.8879	0.8737
-3 Sigma	0.7426	0.7461
+3 Sigma	1.0333	1.0013



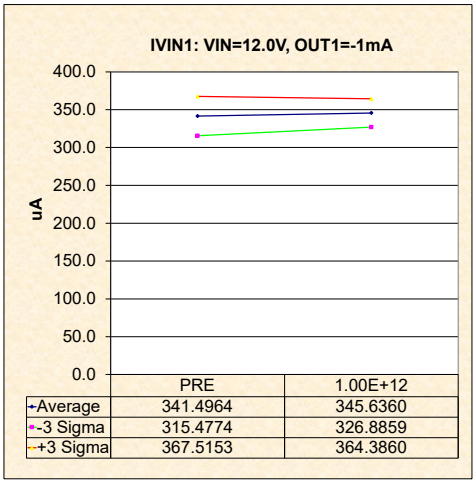
	PRE	2.00E+12
Average	0.8522	0.8483
-3 Sigma	0.7795	0.7558
+3 Sigma	0.9250	0.9409



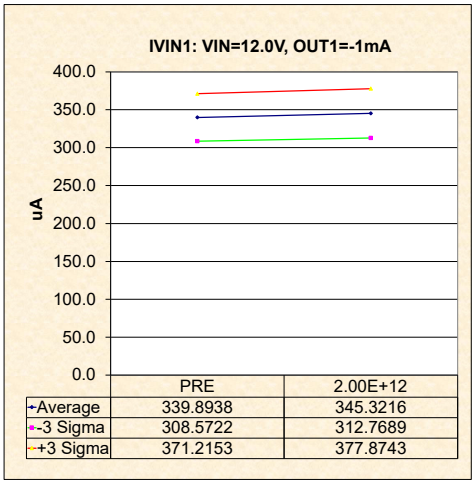
	PRE	1.00E+12
Average	0.7415	0.7228
-3 Sigma	0.6257	0.6316
+3 Sigma	0.8573	0.8140



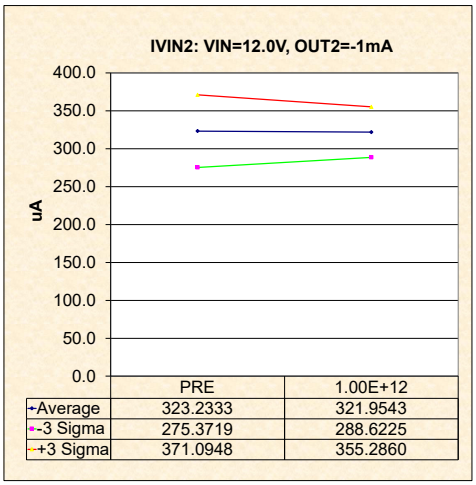
	PRE	2.00E+12
Average	0.7067	0.7117
-3 Sigma	0.6461	0.6452
+3 Sigma	0.7674	0.7782



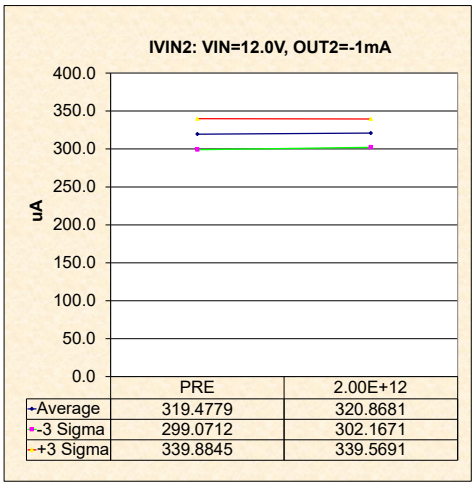
	PRE	1.00E+12
Average	341.4964	345.6360
-3 Sigma	315.4774	326.8859
+3 Sigma	367.5153	364.3860



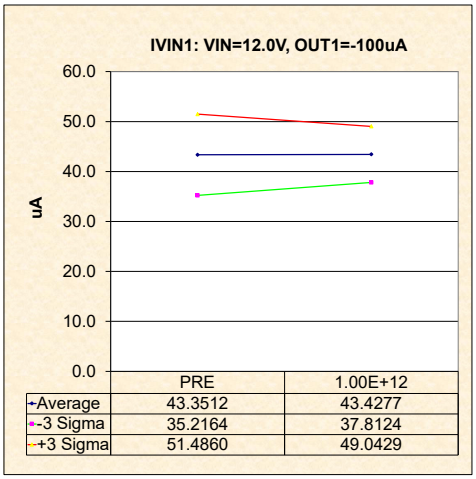
	PRE	2.00E+12
Average	339.8938	345.3216
-3 Sigma	308.5722	312.7689
+3 Sigma	371.2153	377.8743



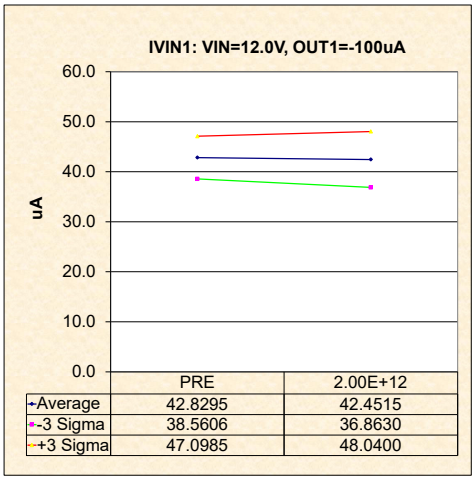
	PRE	1.00E+12
Average	323.2333	321.9543
-3 Sigma	275.3719	288.6225
+3 Sigma	371.0948	355.2860



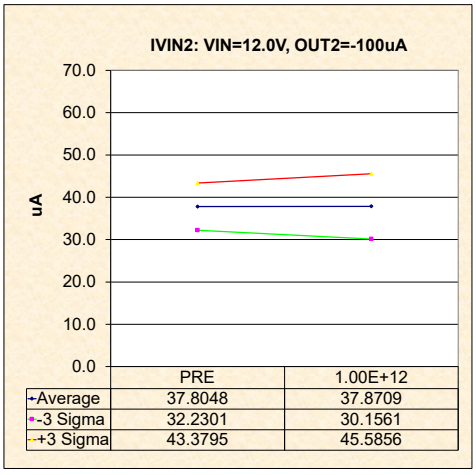
	PRE	2.00E+12
Average	319.4779	320.8681
-3 Sigma	299.0712	302.1671
+3 Sigma	339.8845	339.5691



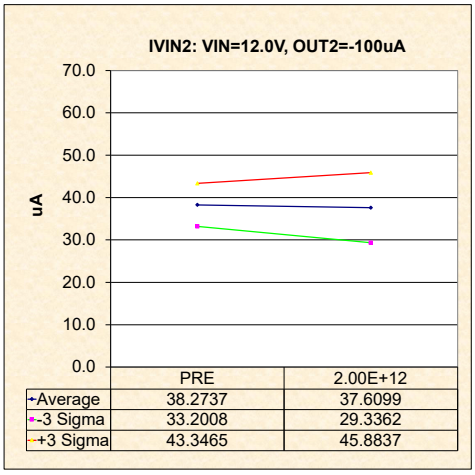
	PRE	1.00E+12
Average	43.3512	43.4277
-3 Sigma	35.2164	37.8124
+3 Sigma	51.4860	49.0429



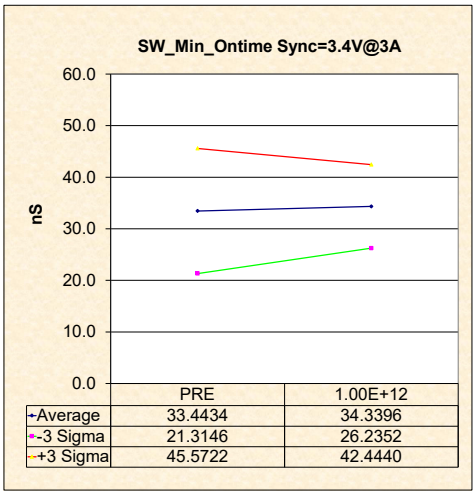
	PRE	2.00E+12
Average	42.8295	42.4515
-3 Sigma	38.5606	36.8630
+3 Sigma	47.0985	48.0400



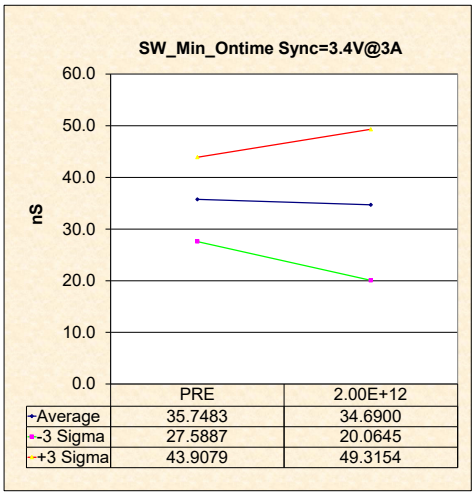
	PRE	1.00E+12
Average	37.8048	37.8709
-3 Sigma	32.2301	30.1561
+3 Sigma	43.3795	45.5856



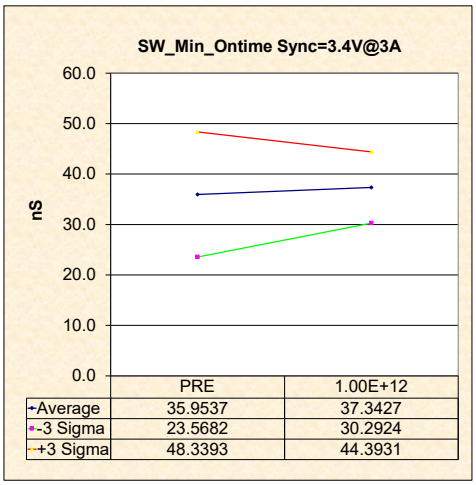
	PRE	2.00E+12
Average	38.2737	37.6099
-3 Sigma	33.2008	29.3362
+3 Sigma	43.3465	45.8837



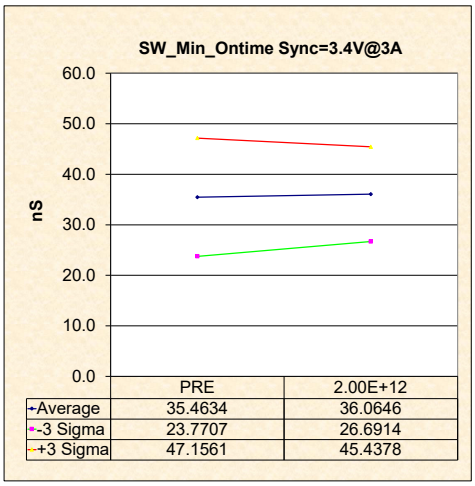
	PRE	1.00E+12
Average	33.4434	34.3396
-3 Sigma	21.3146	26.2352
+3 Sigma	45.5722	42.4440



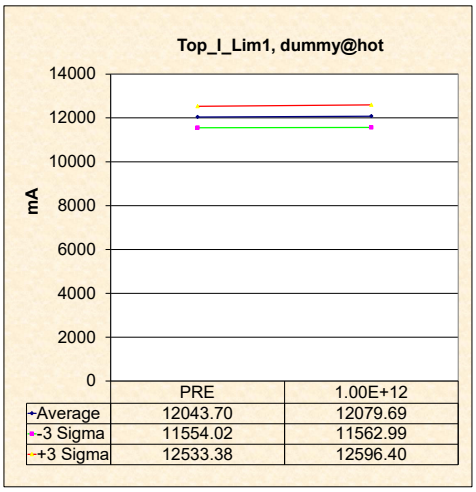
	PRE	2.00E+12
Average	35.7483	34.6900
-3 Sigma	27.5887	20.0645
+3 Sigma	43.9079	49.3154



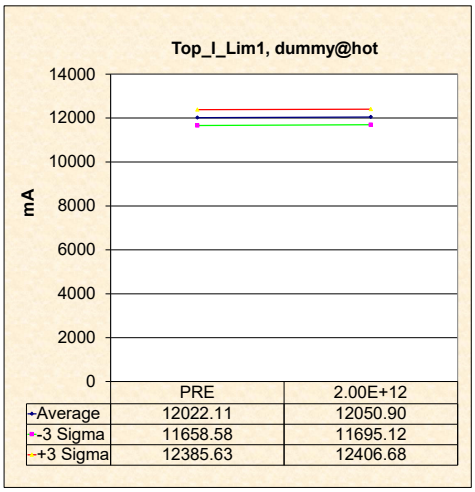
	PRE	1.00E+12
Average	35.9537	37.3427
-3 Sigma	23.5682	30.2924
+3 Sigma	48.3393	44.3931



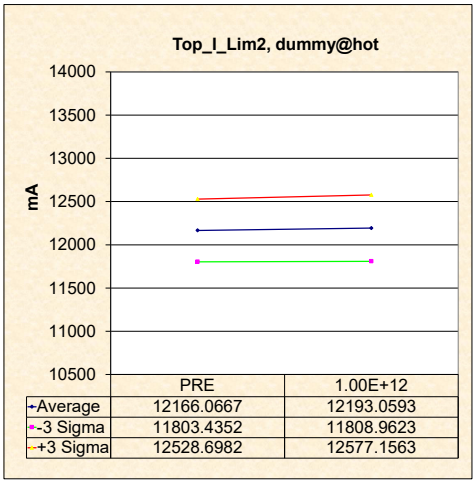
	PRE	2.00E+12
Average	35.4634	36.0646
-3 Sigma	23.7707	26.6914
+3 Sigma	47.1561	45.4378



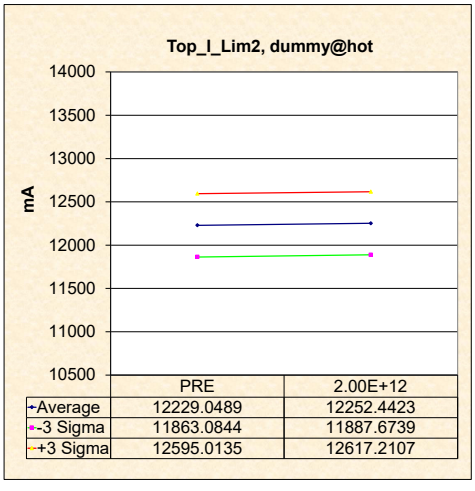
	PRE	1.00E+12
Average	12043.70	12079.69
-3 Sigma	11554.02	11562.99
+3 Sigma	12533.38	12596.40



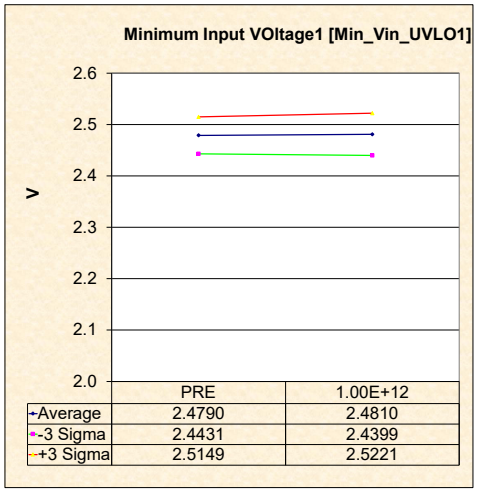
	PRE	2.00E+12
Average	12022.11	12050.90
-3 Sigma	11658.58	11695.12
+3 Sigma	12385.63	12406.68



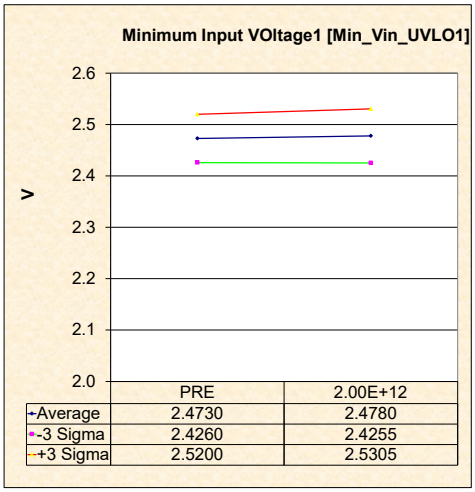
	PRE	1.00E+12
Average	12166.0667	12193.0593
-3 Sigma	11803.4352	11808.9623
+3 Sigma	12528.6982	12577.1563



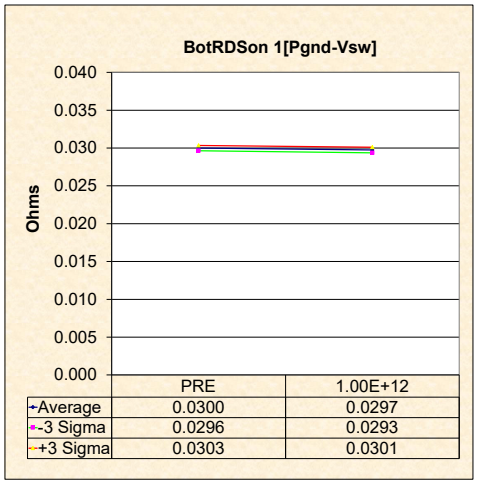
	PRE	2.00E+12
Average	12229.0489	12252.4423
-3 Sigma	11863.0844	11887.6739
+3 Sigma	12595.0135	12617.2107



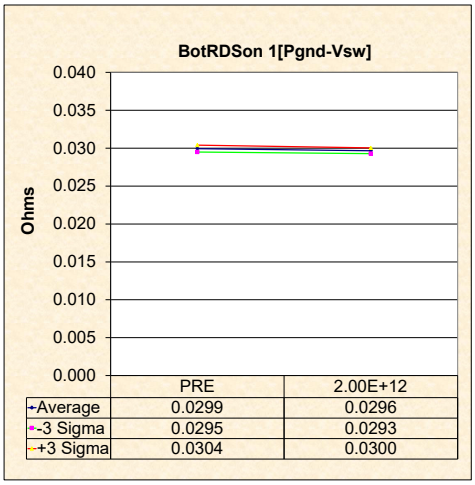
	PRE	1.00E+12
Average	2.4790	2.4810
-3 Sigma	2.4431	2.4399
+3 Sigma	2.5149	2.5221



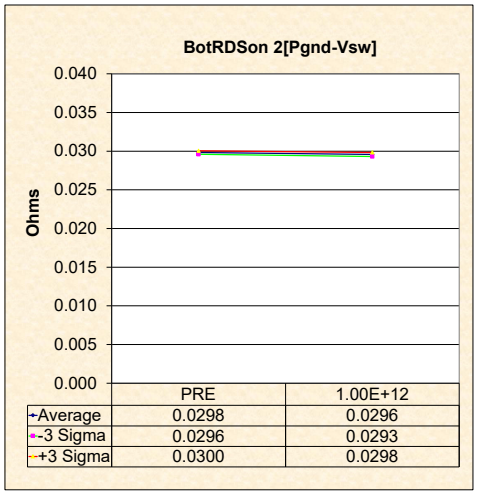
	PRE	2.00E+12
Average	2.4730	2.4780
-3 Sigma	2.4260	2.4255
+3 Sigma	2.5200	2.5305



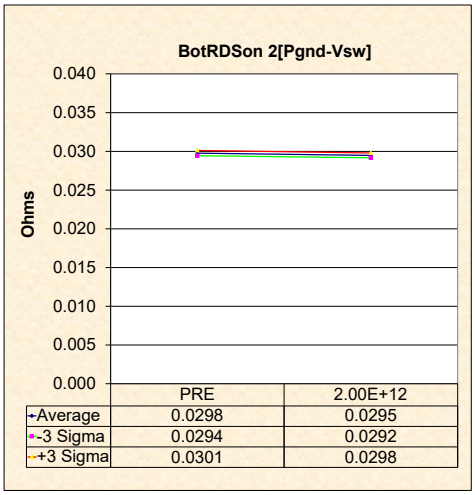
	PRE	1.00E+12
Average	0.0300	0.0297
-3 Sigma	0.0296	0.0293
+3 Sigma	0.0303	0.0301



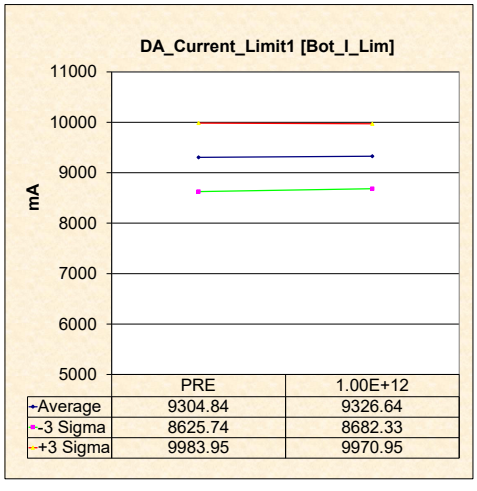
	PRE	2.00E+12
Average	0.0299	0.0296
-3 Sigma	0.0295	0.0293
+3 Sigma	0.0304	0.0300



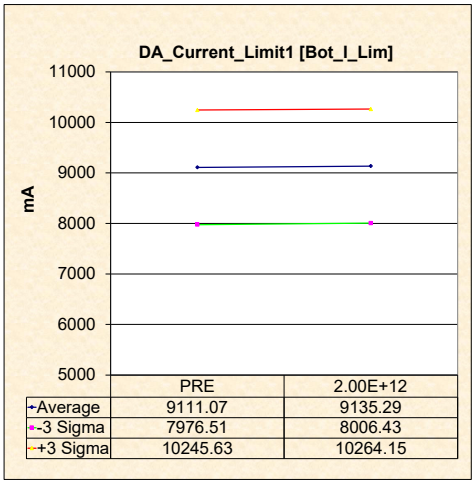
	PRE	1.00E+12
Average	0.0298	0.0296
-3 Sigma	0.0296	0.0293
+3 Sigma	0.0300	0.0298



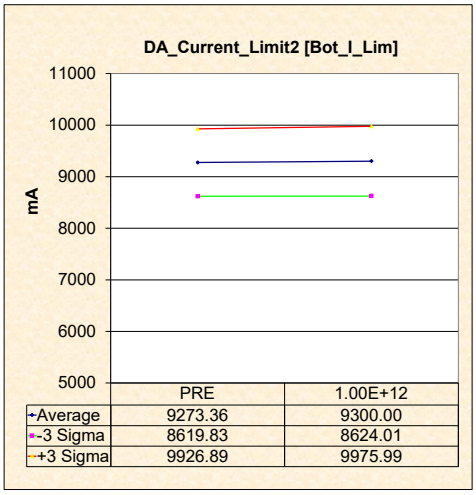
	PRE	2.00E+12
Average	0.0298	0.0295
-3 Sigma	0.0294	0.0292
+3 Sigma	0.0301	0.0298



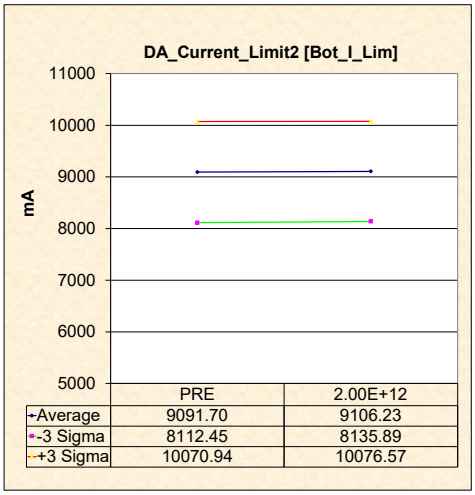
	PRE	1.00E+12
Average	9304.84	9326.64
-3 Sigma	8625.74	8682.33
+3 Sigma	9983.95	9970.95



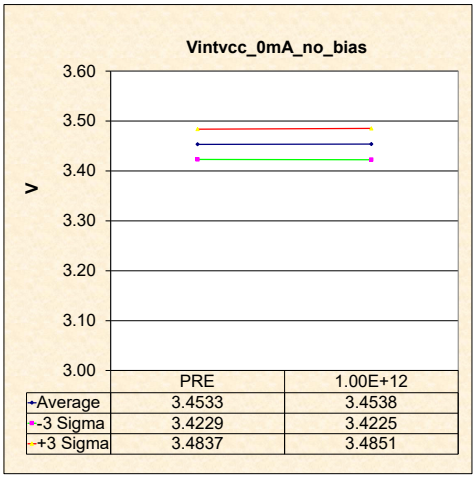
	PRE	2.00E+12
Average	9111.07	9135.29
-3 Sigma	7976.51	8006.43
+3 Sigma	10245.63	10264.15



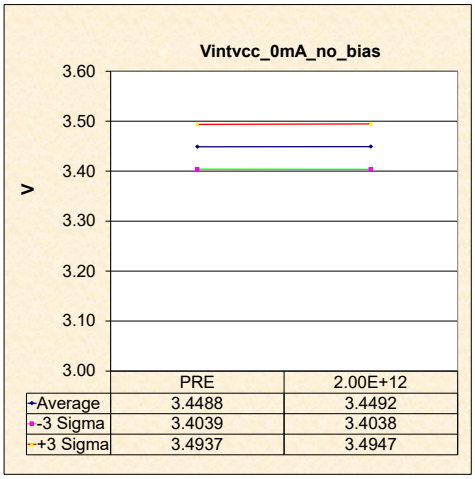
	PRE	1.00E+12
Average	9273.36	9300.00
-3 Sigma	8619.83	8624.01
+3 Sigma	9926.89	9975.99



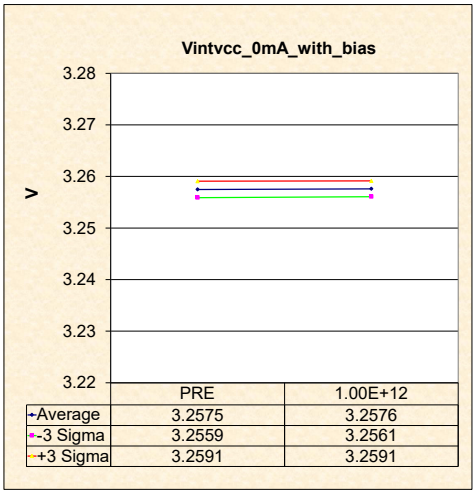
	PRE	2.00E+12
Average	9091.70	9106.23
-3 Sigma	8112.45	8135.89
+3 Sigma	10070.94	10076.57



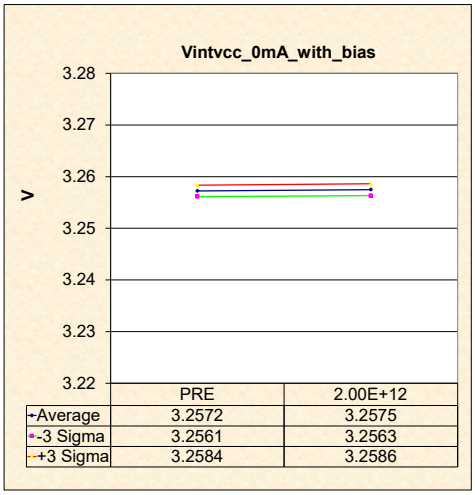
	PRE	1.00E+12
Average	3.4533	3.4538
-3 Sigma	3.4229	3.4225
+3 Sigma	3.4837	3.4851



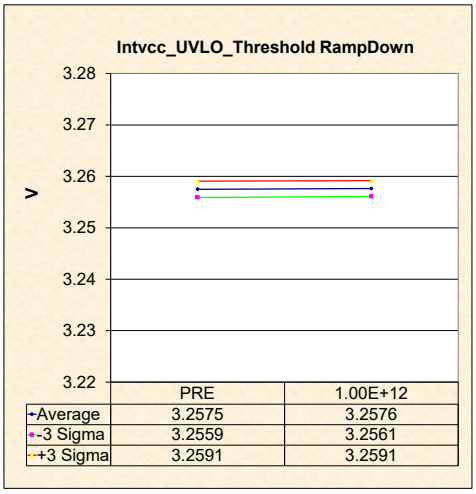
	PRE	2.00E+12
Average	3.4488	3.4492
-3 Sigma	3.4039	3.4038
+3 Sigma	3.4937	3.4947



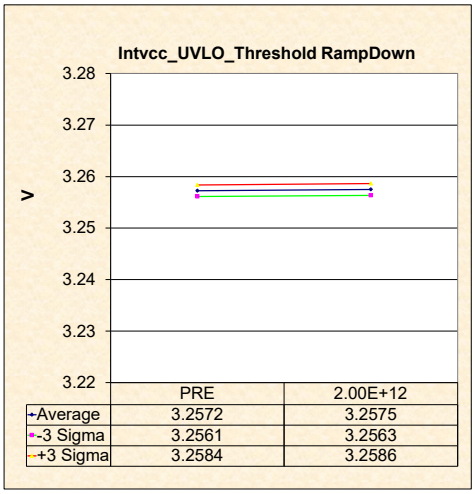
	PRE	1.00E+12
Average	3.2575	3.2576
-3 Sigma	3.2559	3.2561
+3 Sigma	3.2591	3.2591



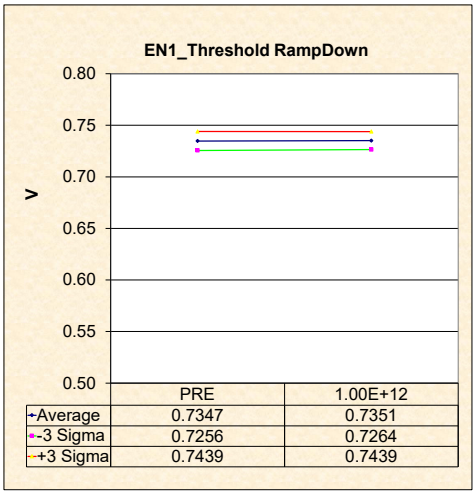
	PRE	2.00E+12
Average	3.2572	3.2575
-3 Sigma	3.2561	3.2563
+3 Sigma	3.2584	3.2586



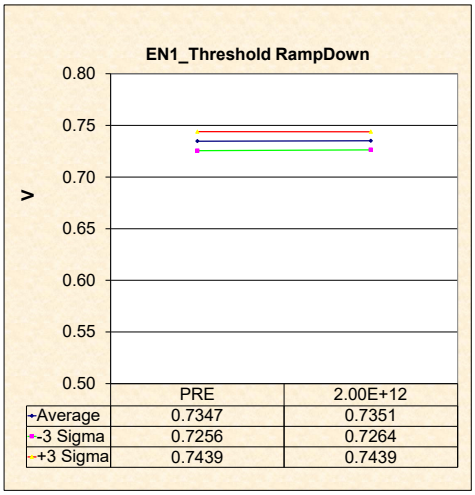
	PRE	1.00E+12
Average	3.2575	3.2576
-3 Sigma	3.2559	3.2561
+3 Sigma	3.2591	3.2591



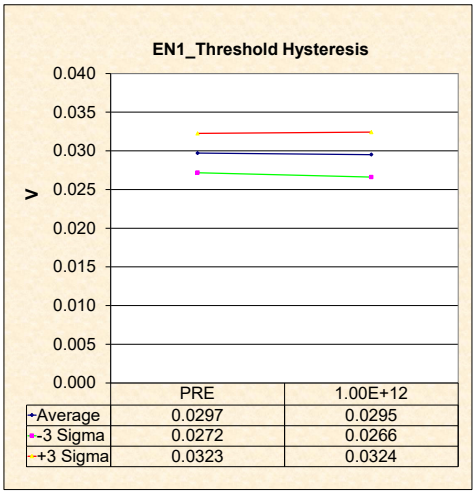
	PRE	2.00E+12
Average	3.2572	3.2575
-3 Sigma	3.2561	3.2563
+3 Sigma	3.2584	3.2586



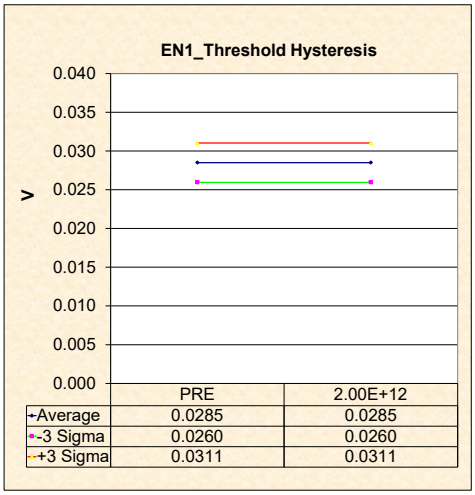
	PRE	1.00E+12
Average	0.7347	0.7351
-3 Sigma	0.7256	0.7264
+3 Sigma	0.7439	0.7439



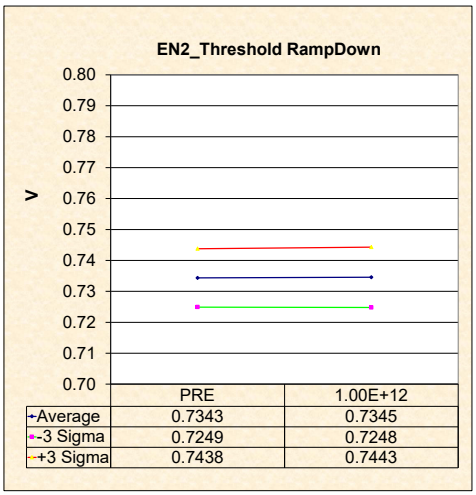
	PRE	2.00E+12
Average	0.7347	0.7351
-3 Sigma	0.7256	0.7264
+3 Sigma	0.7439	0.7439



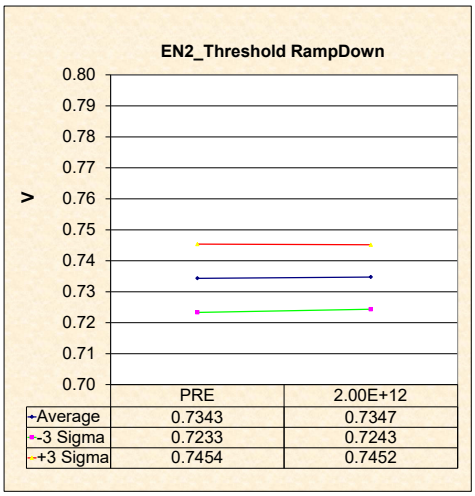
	PRE	1.00E+12
Average	0.0297	0.0295
-3 Sigma	0.0272	0.0266
+3 Sigma	0.0323	0.0324



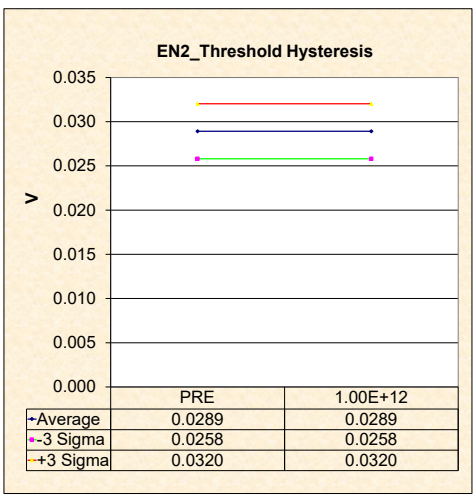
	PRE	2.00E+12
Average	0.0285	0.0285
-3 Sigma	0.0260	0.0260
+3 Sigma	0.0311	0.0311



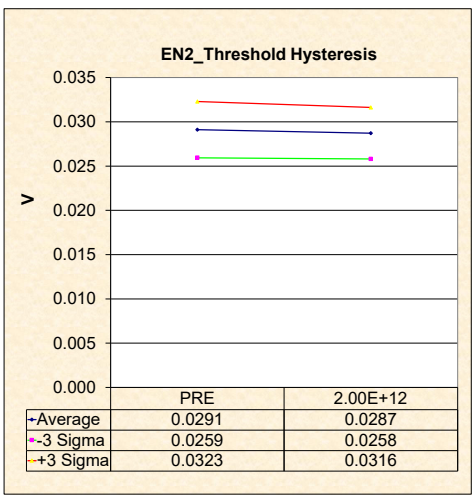
	PRE	1.00E+12
Average	0.7343	0.7345
-3 Sigma	0.7249	0.7248
+3 Sigma	0.7438	0.7443



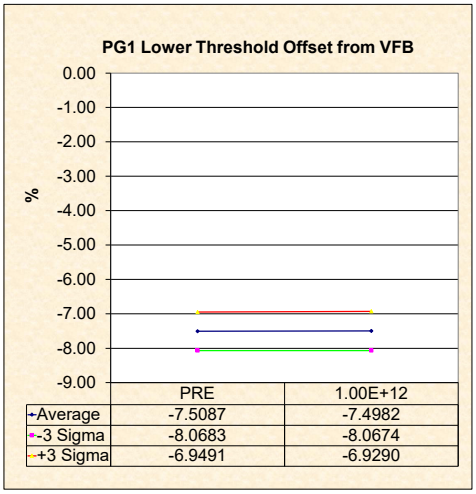
	PRE	2.00E+12
Average	0.7343	0.7347
-3 Sigma	0.7233	0.7243
+3 Sigma	0.7454	0.7452



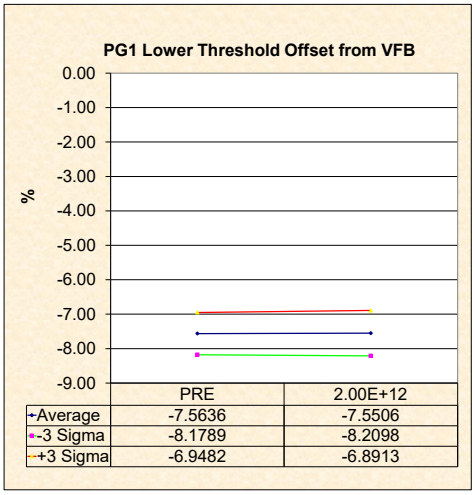
	PRE	1.00E+12
Average	0.0289	0.0289
-3 Sigma	0.0258	0.0258
+3 Sigma	0.0320	0.0320



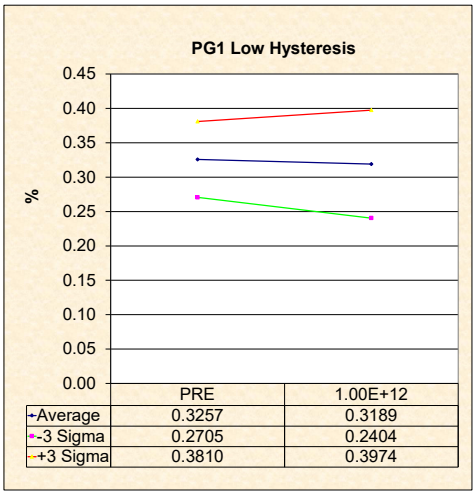
	PRE	2.00E+12
Average	0.0291	0.0287
-3 Sigma	0.0259	0.0258
+3 Sigma	0.0323	0.0316



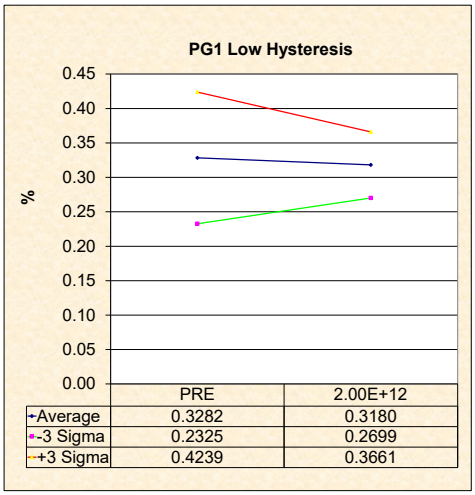
	PRE	1.00E+12
Average	-7.5087	-7.4982
-3 Sigma	-8.0683	-8.0674
+3 Sigma	-6.9491	-6.9290



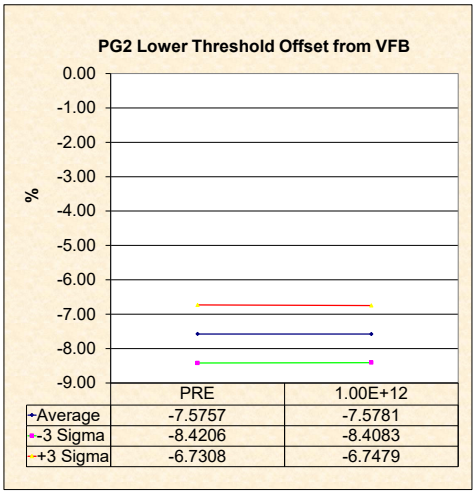
	PRE	2.00E+12
Average	-7.5636	-7.5506
-3 Sigma	-8.1789	-8.2098
+3 Sigma	-6.9482	-6.8913



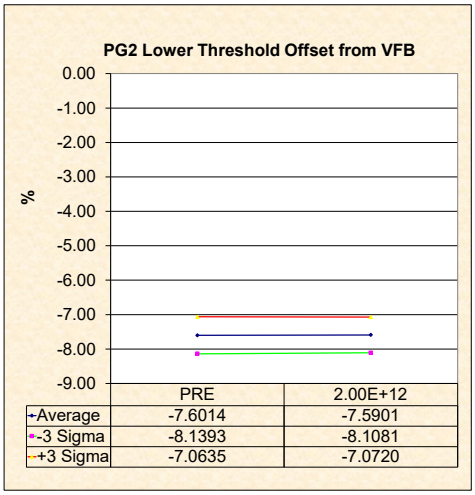
	PRE	1.00E+12
Average	0.3257	0.3189
-3 Sigma	0.2705	0.2404
+3 Sigma	0.3810	0.3974



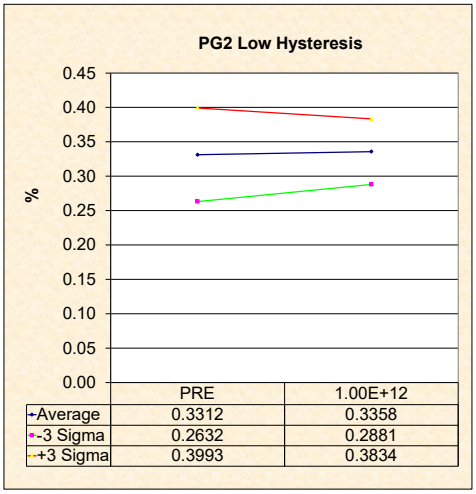
	PRE	2.00E+12
Average	0.3282	0.3180
-3 Sigma	0.2325	0.2699
+3 Sigma	0.4239	0.3661



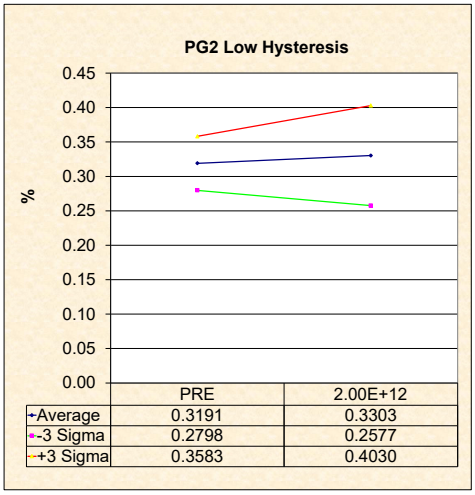
	PRE	1.00E+12
Average	-7.5757	-7.5781
-3 Sigma	-8.4206	-8.4083
+3 Sigma	-6.7308	-6.7479



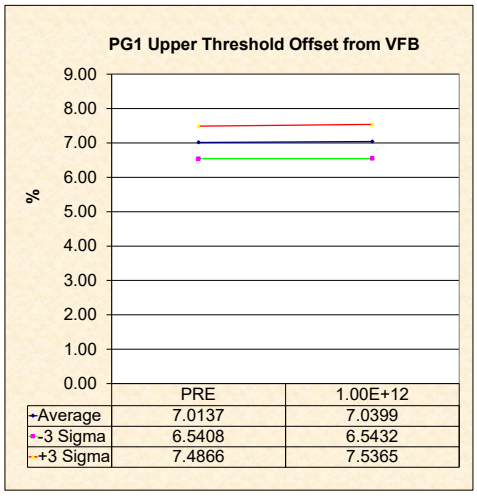
	PRE	2.00E+12
Average	-7.6014	-7.5901
-3 Sigma	-8.1393	-8.1081
+3 Sigma	-7.0635	-7.0720



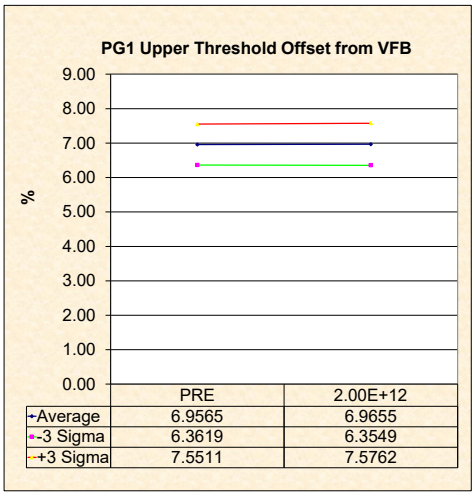
	PRE	1.00E+12
Average	0.3312	0.3358
-3 Sigma	0.2632	0.2881
+3 Sigma	0.3993	0.3834



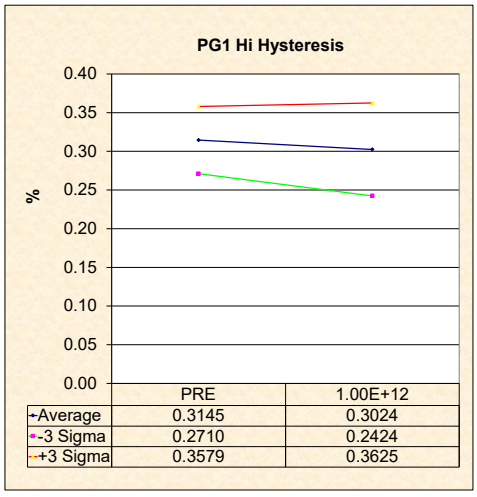
	PRE	2.00E+12
Average	0.3191	0.3303
-3 Sigma	0.2798	0.2577
+3 Sigma	0.3583	0.4030



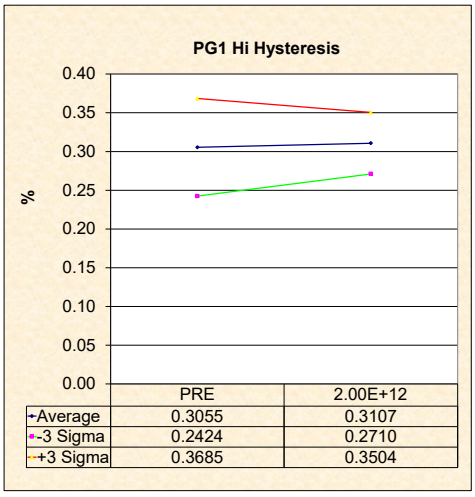
	PRE	1.00E+12
Average	7.0137	7.0399
-3 Sigma	6.5408	6.5432
+3 Sigma	7.4866	7.5365



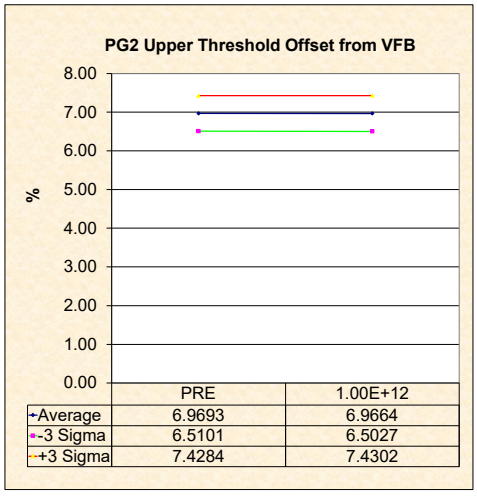
	PRE	2.00E+12
Average	6.9565	6.9655
-3 Sigma	6.3619	6.3549
+3 Sigma	7.5511	7.5762



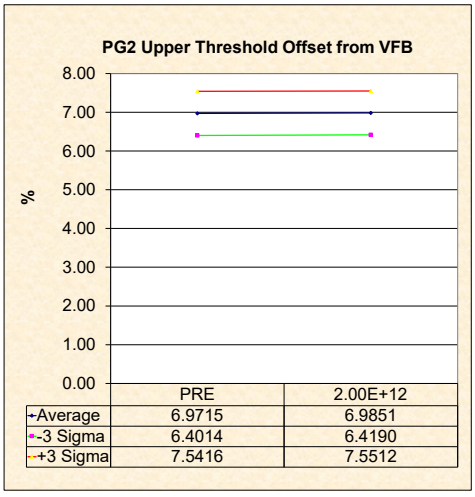
	PRE	1.00E+12
Average	0.3145	0.3024
-3 Sigma	0.2710	0.2424
+3 Sigma	0.3579	0.3625



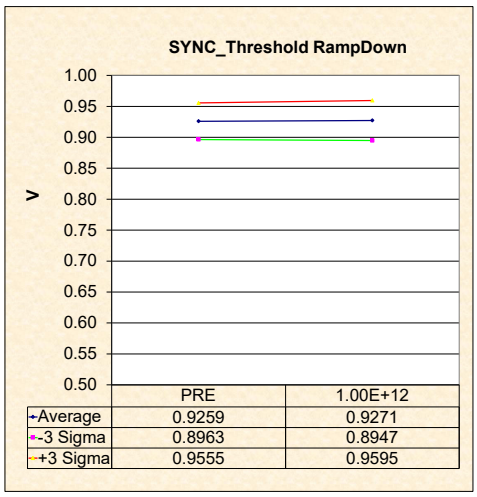
	PRE	2.00E+12
Average	0.3055	0.3107
-3 Sigma	0.2424	0.2710
+3 Sigma	0.3685	0.3504



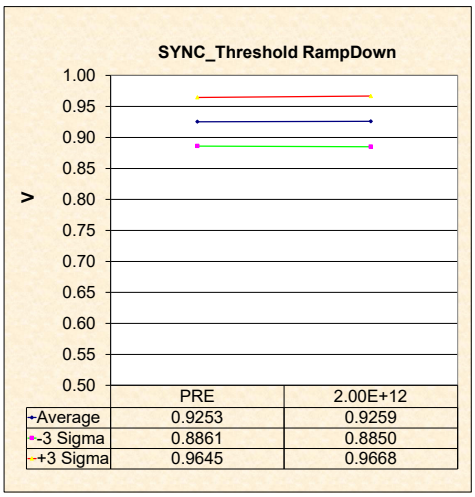
	PRE	1.00E+12
Average	6.9693	6.9664
-3 Sigma	6.5101	6.5027
+3 Sigma	7.4284	7.4302



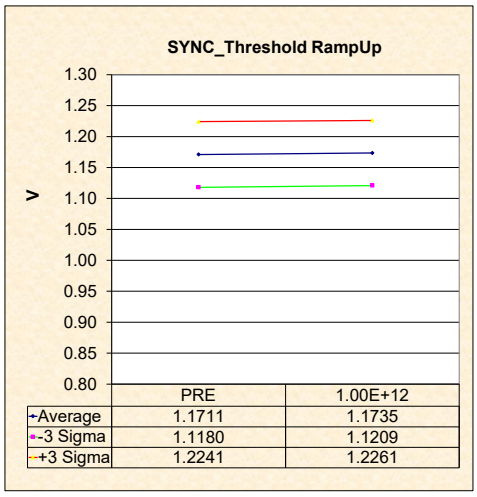
	PRE	2.00E+12
Average	6.9715	6.9851
-3 Sigma	6.4014	6.4190
+3 Sigma	7.5416	7.5512



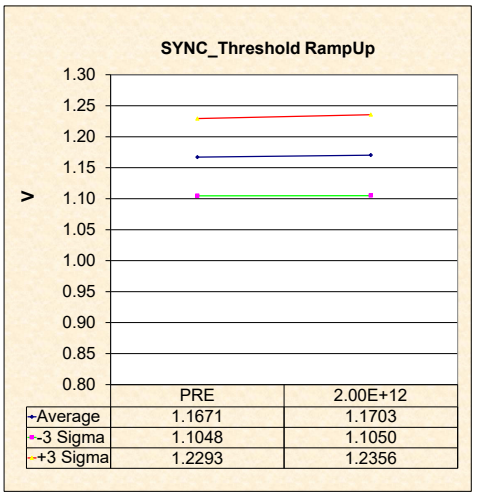
	PRE	1.00E+12
Average	0.9259	0.9271
-3 Sigma	0.8963	0.8947
+3 Sigma	0.9555	0.9595



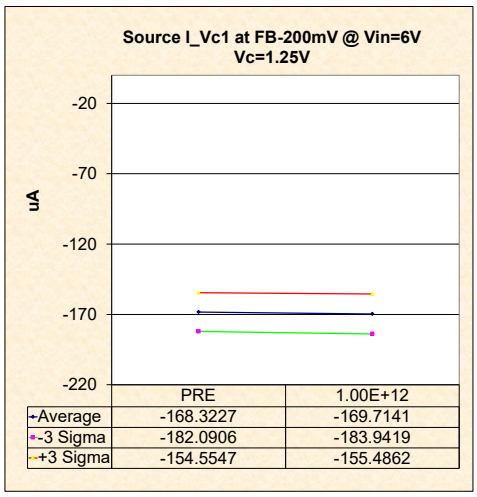
	PRE	2.00E+12
Average	0.9253	0.9259
-3 Sigma	0.8861	0.8850
+3 Sigma	0.9645	0.9668



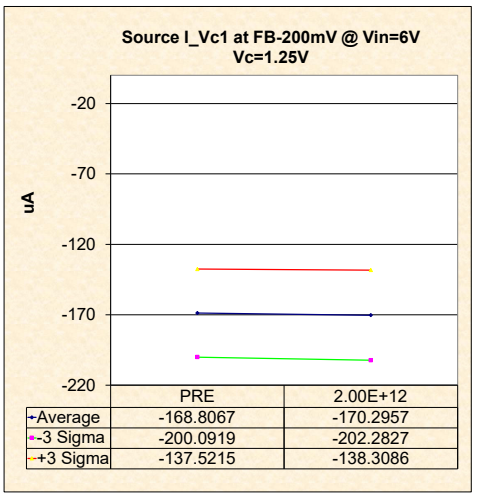
	PRE	1.00E+12
Average	1.1711	1.1735
-3 Sigma	1.1180	1.1209
+3 Sigma	1.2241	1.2261



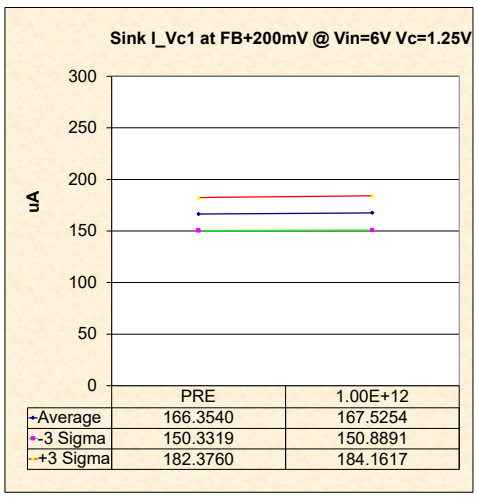
	PRE	2.00E+12
Average	1.1671	1.1703
-3 Sigma	1.1048	1.1050
+3 Sigma	1.2293	1.2356



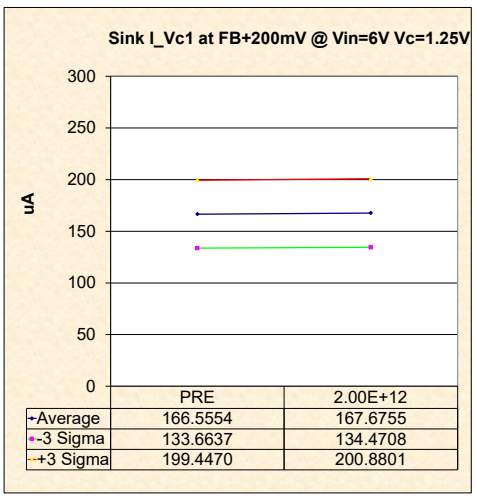
	PRE	1.00E+12
Average	-168.3227	-169.7141
-3 Sigma	-182.0906	-183.9419
+3 Sigma	-154.5547	-155.4862



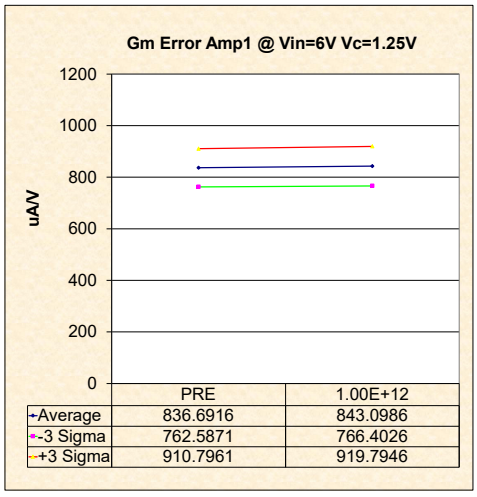
	PRE	2.00E+12
Average	-168.8067	-170.2957
-3 Sigma	-200.0919	-202.2827
+3 Sigma	-137.5215	-138.3086



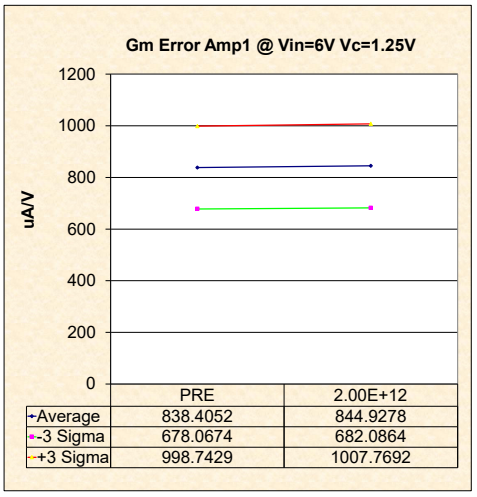
	PRE	1.00E+12
Average	166.3540	167.5254
-3 Sigma	150.3319	150.8891
+3 Sigma	182.3760	184.1617



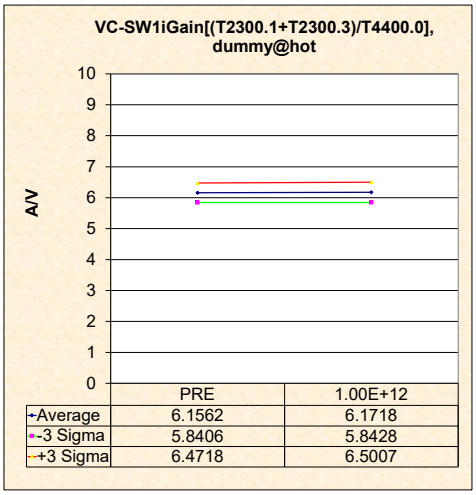
	PRE	2.00E+12
Average	166.5554	167.6755
-3 Sigma	133.6637	134.4708
+3 Sigma	199.4470	200.8801



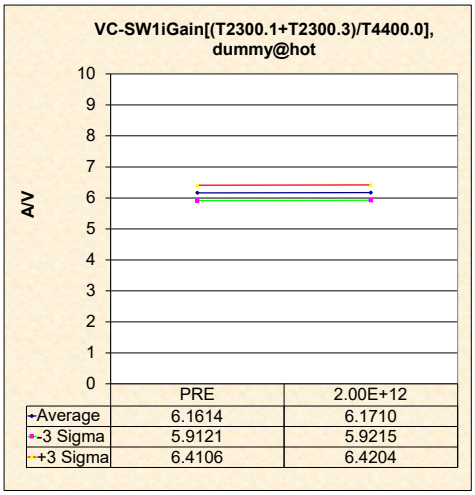
	PRE	1.00E+12
Average	836.6916	843.0986
-3 Sigma	762.5871	766.4026
+3 Sigma	910.7961	919.7946



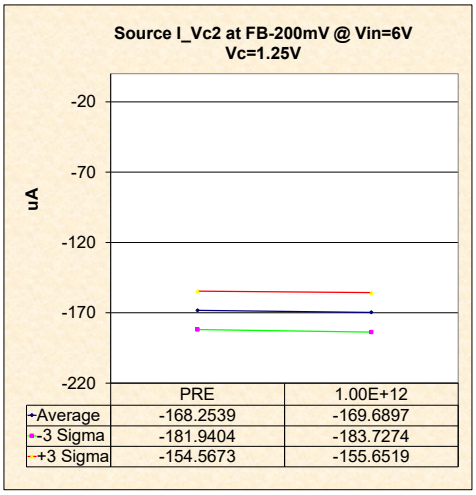
	PRE	2.00E+12
Average	838.4052	844.9278
-3 Sigma	678.0674	682.0864
+3 Sigma	998.7429	1007.7692



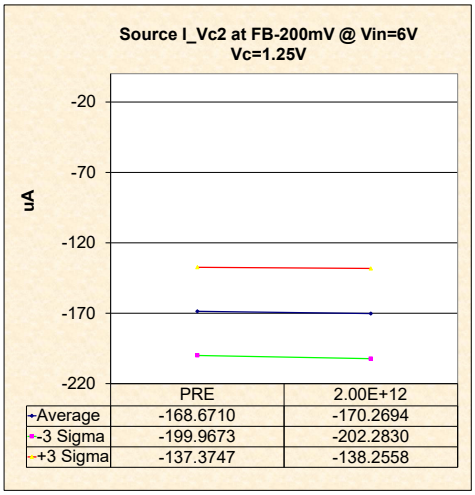
	PRE	1.00E+12
Average	6.1562	6.1718
-3 Sigma	5.8406	5.8428
+3 Sigma	6.4718	6.5007



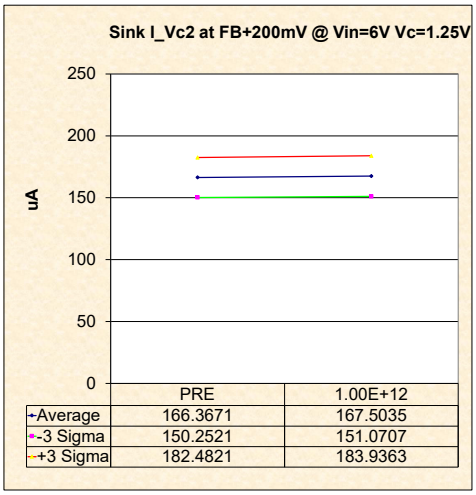
	PRE	2.00E+12
Average	6.1614	6.1710
-3 Sigma	5.9121	5.9215
+3 Sigma	6.4106	6.4204



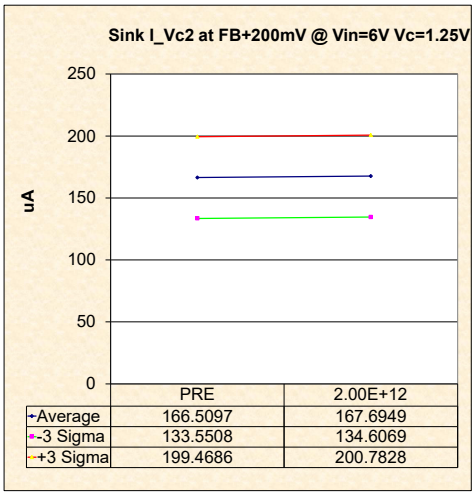
	PRE	1.00E+12
Average	-168.2539	-169.6897
-3 Sigma	-181.9404	-183.7274
+3 Sigma	-154.5673	-155.6519



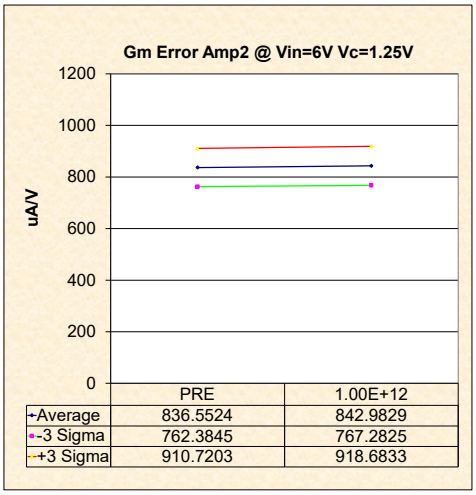
	PRE	2.00E+12
Average	-168.6710	-170.2694
-3 Sigma	-199.9673	-202.2830
+3 Sigma	-137.3747	-138.2558



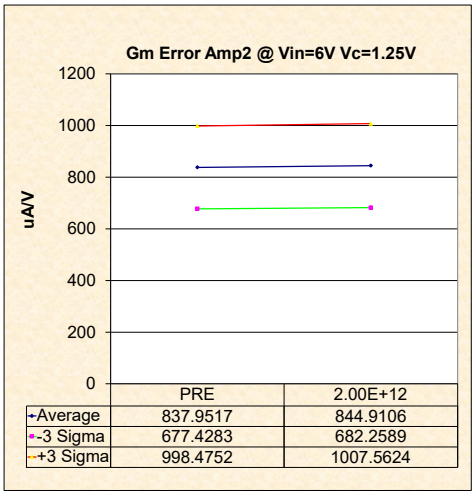
	PRE	1.00E+12
Average	166.3671	167.5035
-3 Sigma	150.2521	151.0707
+3 Sigma	182.4821	183.9363



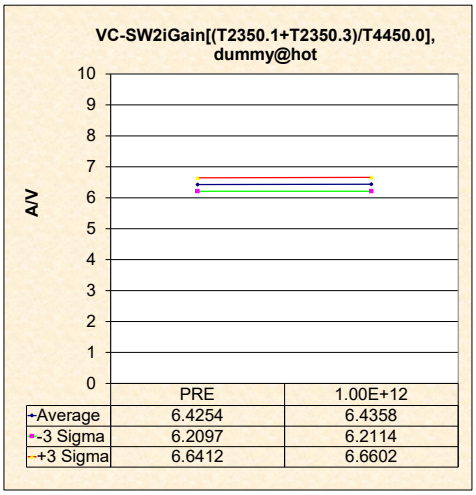
	PRE	2.00E+12
Average	166.5097	167.6949
-3 Sigma	133.5508	134.6069
+3 Sigma	199.4686	200.7828



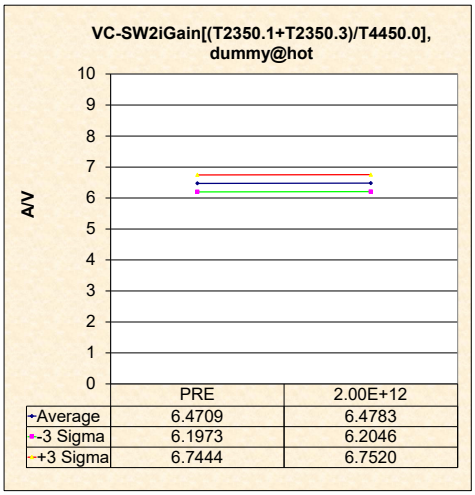
	PRE	1.00E+12
Average	836.5524	842.9829
-3 Sigma	762.3845	767.2825
+3 Sigma	910.7203	918.6833



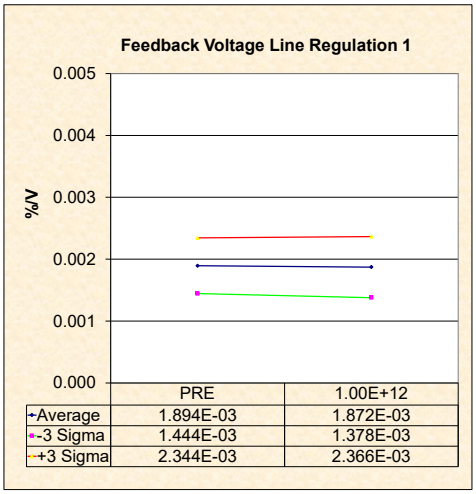
	PRE	2.00E+12
Average	837.9517	844.9106
-3 Sigma	677.4283	682.2589
+3 Sigma	998.4752	1007.5624



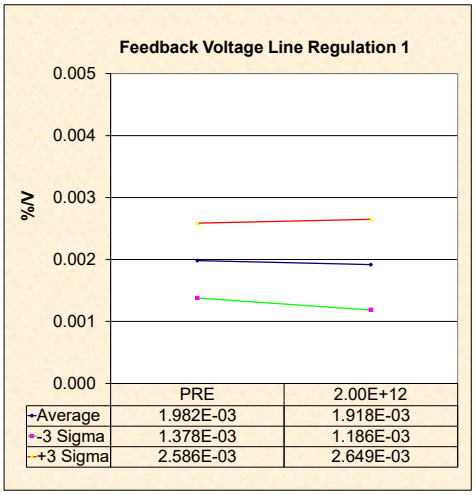
	PRE	1.00E+12
Average	6.4254	6.4358
-3 Sigma	6.2097	6.2114
+3 Sigma	6.6412	6.6602



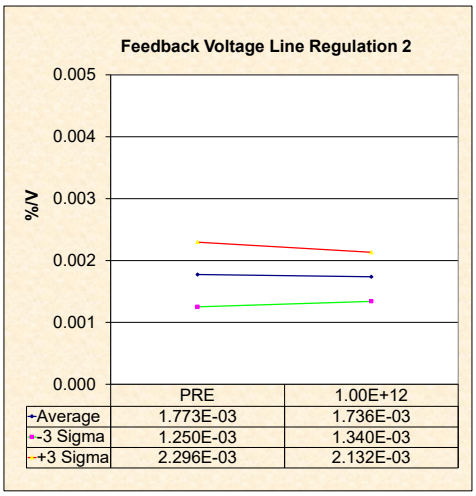
	PRE	2.00E+12
Average	6.4709	6.4783
-3 Sigma	6.1973	6.2046
+3 Sigma	6.7444	6.7520



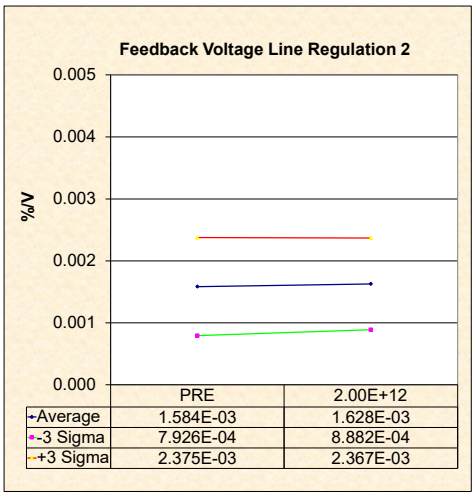
	PRE	1.00E+12
Average	1.894E-03	1.872E-03
-3 Sigma	1.444E-03	1.378E-03
+3 Sigma	2.344E-03	2.366E-03



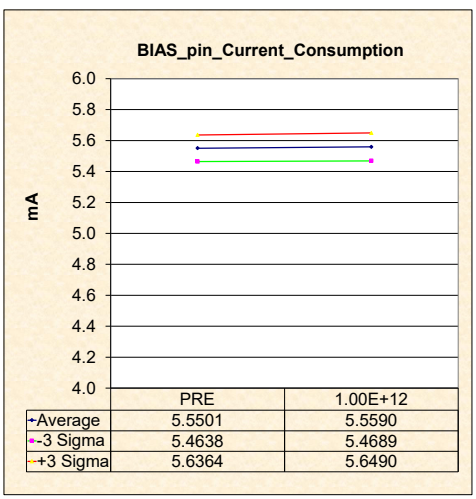
	PRE	2.00E+12
Average	1.982E-03	1.918E-03
-3 Sigma	1.378E-03	1.186E-03
+3 Sigma	2.586E-03	2.649E-03



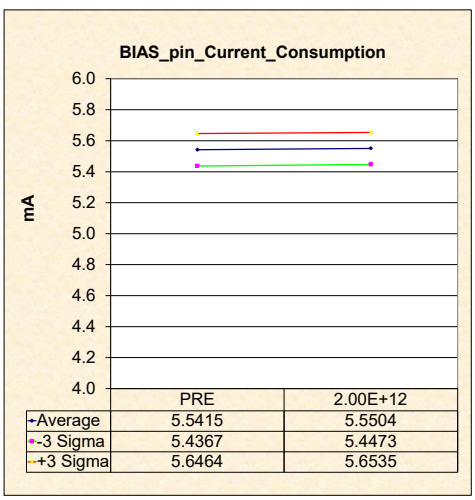
	PRE	1.00E+12
Average	1.773E-03	1.736E-03
-3 Sigma	1.250E-03	1.340E-03
+3 Sigma	2.296E-03	2.132E-03



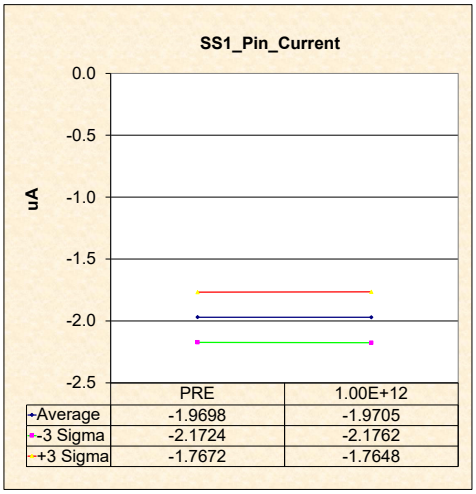
	PRE	2.00E+12
Average	1.584E-03	1.628E-03
-3 Sigma	7.926E-04	8.882E-04
+3 Sigma	2.375E-03	2.367E-03



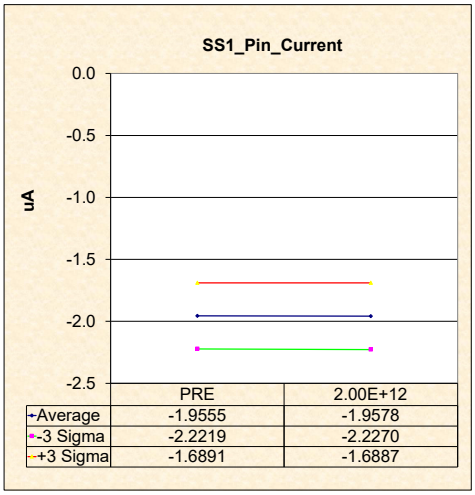
	PRE	1.00E+12
Average	5.5501	5.5590
-3 Sigma	5.4638	5.4689
+3 Sigma	5.6364	5.6490



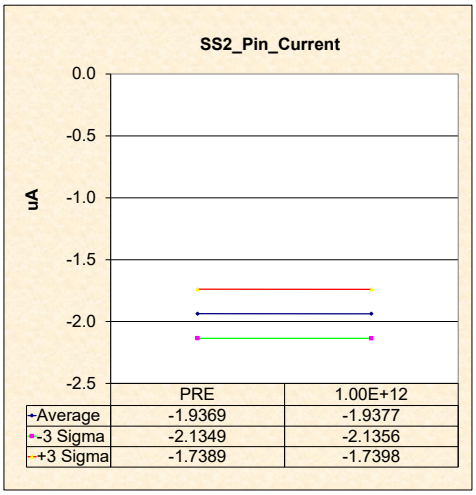
	PRE	2.00E+12
Average	5.5415	5.5504
-3 Sigma	5.4367	5.4473
+3 Sigma	5.6464	5.6535



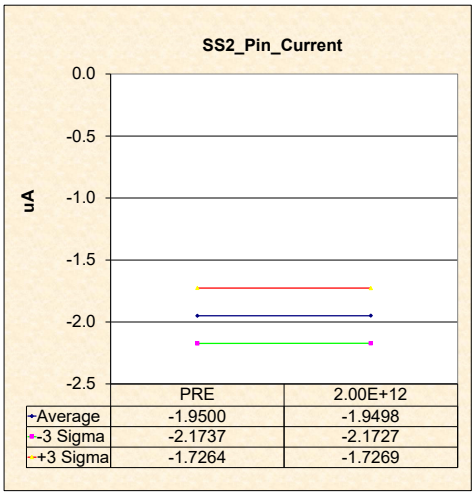
	PRE	1.00E+12
Average	-1.9698	-1.9705
-3 Sigma	-2.1724	-2.1762
+3 Sigma	-1.7672	-1.7648



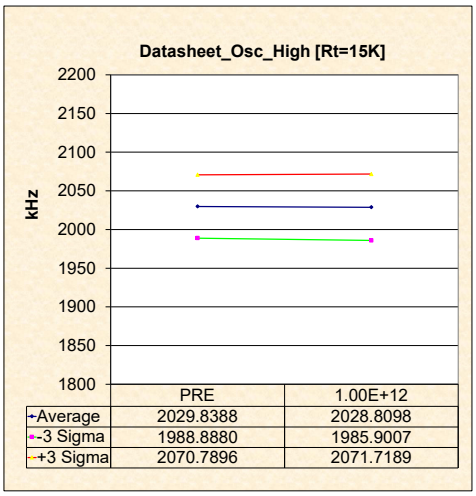
	PRE	2.00E+12
Average	-1.9555	-1.9578
-3 Sigma	-2.2219	-2.2270
+3 Sigma	-1.6891	-1.6887



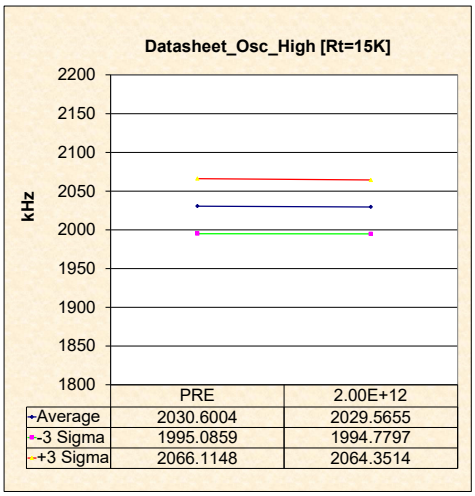
	PRE	1.00E+12
Average	-1.9369	-1.9377
-3 Sigma	-2.1349	-2.1356
+3 Sigma	-1.7389	-1.7398



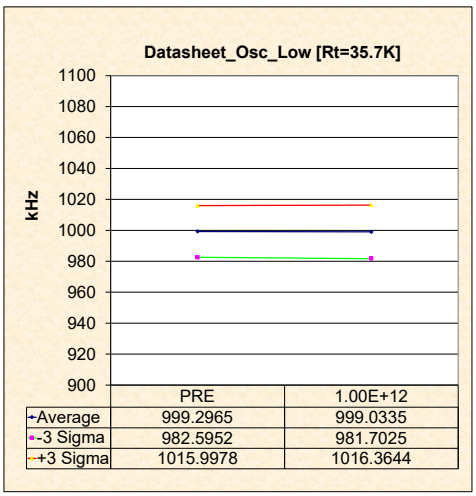
	PRE	2.00E+12
Average	-1.9500	-1.9498
-3 Sigma	-2.1737	-2.1727
+3 Sigma	-1.7264	-1.7269



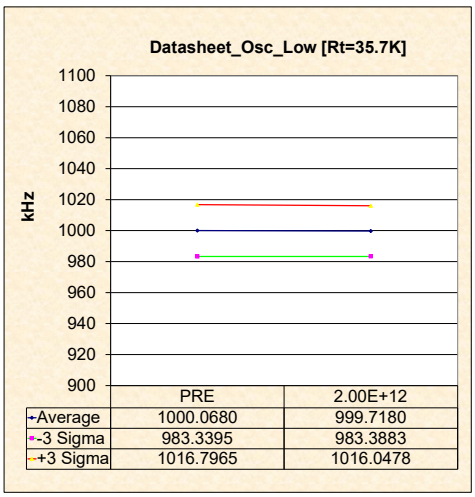
	PRE	1.00E+12
Average	2029.8388	2028.8098
-3 Sigma	1988.8880	1985.9007
+3 Sigma	2070.7896	2071.7189



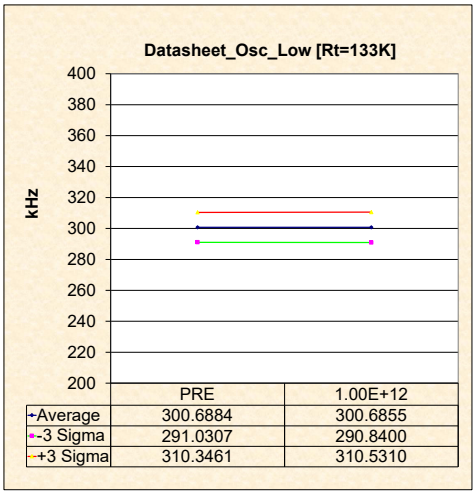
	PRE	2.00E+12
Average	2030.6004	2029.5655
-3 Sigma	1995.0859	1994.7797
+3 Sigma	2066.1148	2064.3514



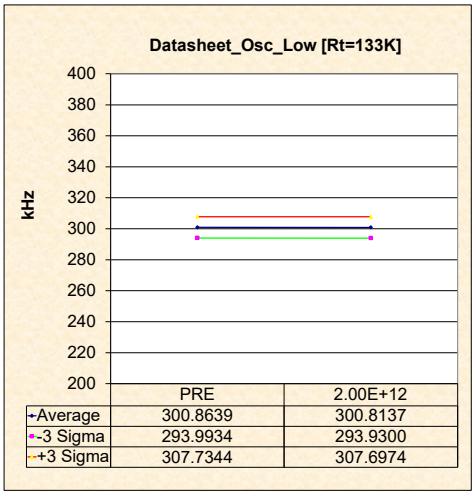
	PRE	1.00E+12
Average	999.2965	999.0335
-3 Sigma	982.5952	981.7025
+3 Sigma	1015.9978	1016.3644



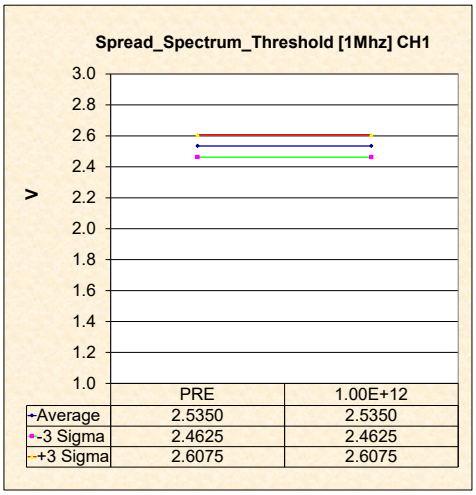
	PRE	2.00E+12
Average	1000.0680	999.7180
-3 Sigma	983.3395	983.3883
+3 Sigma	1016.7965	1016.0478



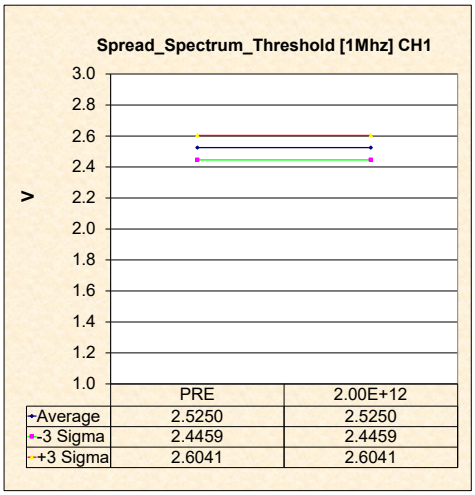
	PRE	1.00E+12
Average	300.6884	300.6855
-3 Sigma	291.0307	290.8400
+3 Sigma	310.3461	310.5310



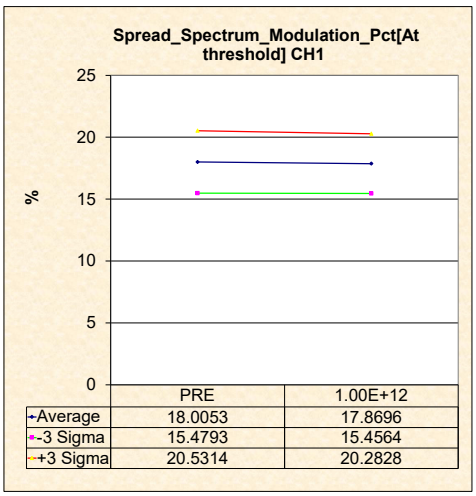
	PRE	2.00E+12
Average	300.8639	300.8137
-3 Sigma	293.9934	293.9300
+3 Sigma	307.7344	307.6974



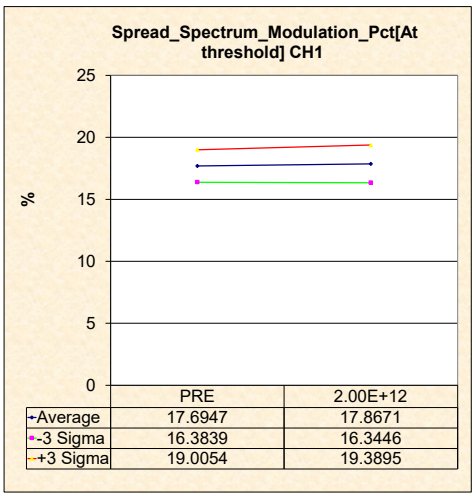
	PRE	1.00E+12
Average	2.5350	2.5350
-3 Sigma	2.4625	2.4625
+3 Sigma	2.6075	2.6075



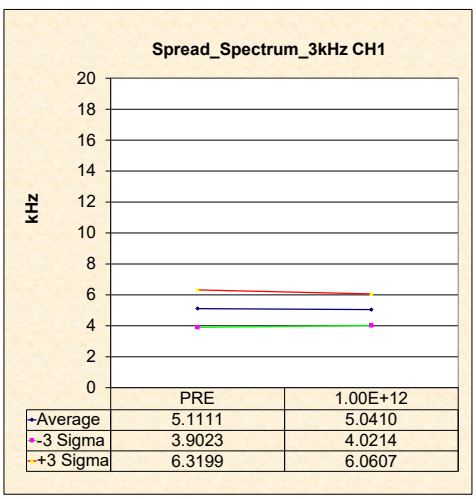
	PRE	2.00E+12
Average	2.5250	2.5250
-3 Sigma	2.4459	2.4459
+3 Sigma	2.6041	2.6041



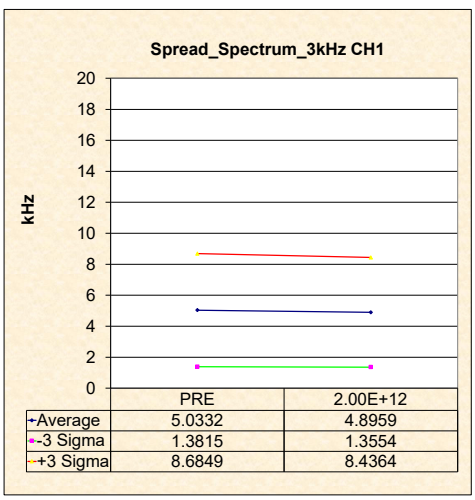
	PRE	1.00E+12
Average	18.0053	17.8696
-3 Sigma	15.4793	15.4564
+3 Sigma	20.5314	20.2828



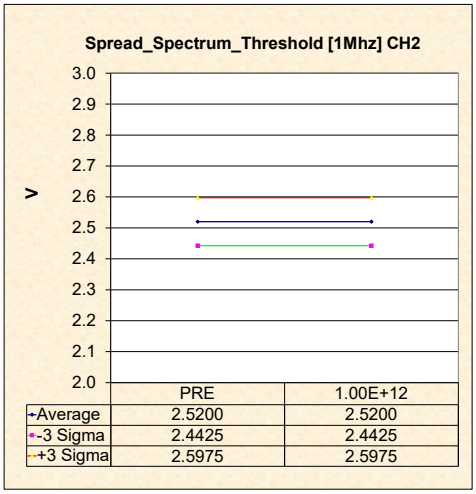
	PRE	2.00E+12
Average	17.6947	17.8671
-3 Sigma	16.3839	16.3446
+3 Sigma	19.0054	19.3895



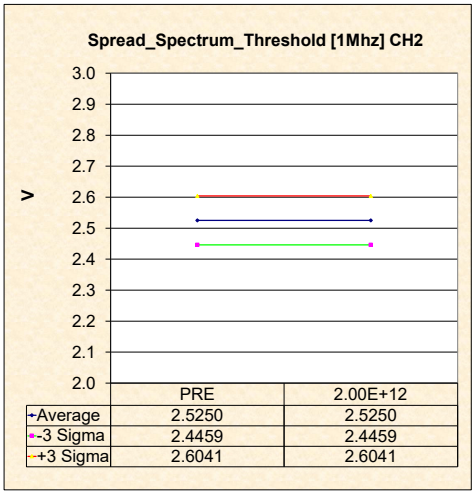
	PRE	1.00E+12
Average	5.1111	5.0410
-3 Sigma	3.9023	4.0214
+3 Sigma	6.3199	6.0607



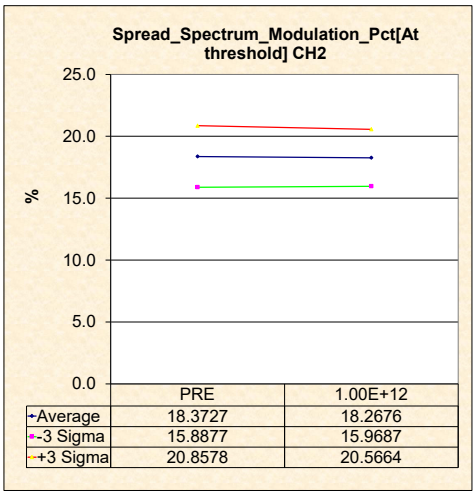
	PRE	2.00E+12
Average	5.0332	4.8959
-3 Sigma	1.3815	1.3554
+3 Sigma	8.6849	8.4364



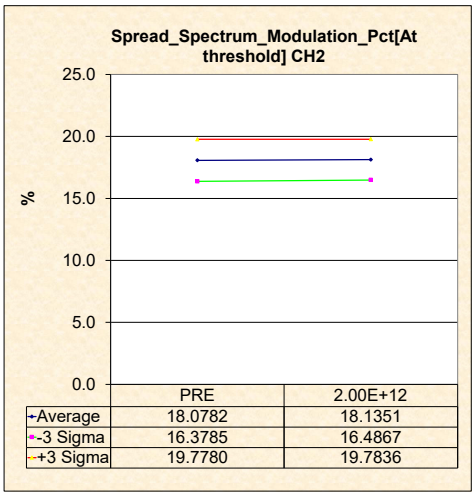
	PRE	1.00E+12
Average	2.5200	2.5200
-3 Sigma	2.4425	2.4425
+3 Sigma	2.5975	2.5975



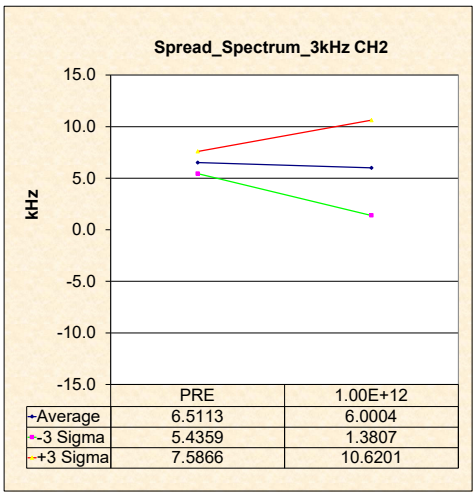
	PRE	2.00E+12
Average	2.5250	2.5250
-3 Sigma	2.4459	2.4459
+3 Sigma	2.6041	2.6041



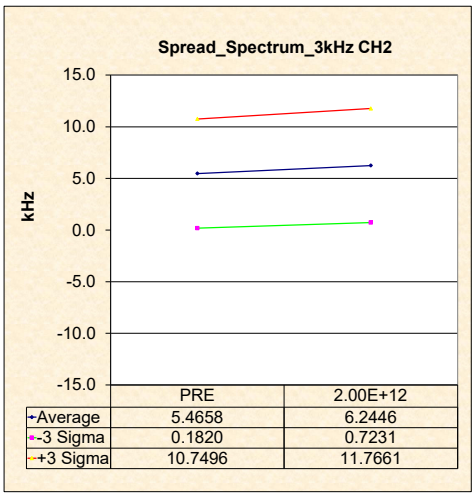
	PRE	1.00E+12
Average	18.3727	18.2676
-3 Sigma	15.8877	15.9687
+3 Sigma	20.8578	20.5664



	PRE	2.00E+12
Average	18.0782	18.1351
-3 Sigma	16.3785	16.4867
+3 Sigma	19.7780	19.7836



	PRE	1.00E+12
Average	6.5113	6.0004
-3 Sigma	5.4359	1.3807
+3 Sigma	7.5866	10.6201



	PRE	2.00E+12
Average	5.4658	6.2446
-3 Sigma	0.1820	0.7231
+3 Sigma	10.7496	11.7661