

RADIATION TEST REPORT

PRODUCT:	AD8210AFQMLR
GAMMA:	0, 100k, 24hr
GAMMA SOURCE:	Co60/TM1019 Condition A
DOSE RATE:	88 Rad(si)/s
FACILITIES:	University of Massachusetts @ Lowell
TESTED:	11/14/13

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SN	Iq w/VCM=2V 5.0V			Iq w/VCM=0V 5.0V			Iq w/VCM=5V 5.0V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	5.75446	5.74323	5.74963	4.35654	4.34334	4.35231	1.27623	1.26297	1.27130
14	5.73204	7.58902	7.43589	4.33667	6.19811	6.04498	1.27111	2.91720	2.77689
15	5.64234	7.91448	7.71203	4.26876	6.54535	6.34226	1.24933	3.22728	3.04085
16	5.53920	7.78891	7.54033	4.19124	6.43964	6.19298	1.21857	3.22472	3.00625
17	5.77624	7.61400	7.45768	4.36743	6.20900	6.05267	1.27431	2.90054	2.76151
28	5.64811	7.71459	7.51470	4.26940	6.34290	6.14044	1.24548	3.06519	2.89157
29	5.63209	7.72100	7.51662	4.25915	6.35635	6.14621	1.24292	3.06071	2.87876
30	5.68078	7.75047	7.56531	4.29631	6.37109	6.18721	1.25445	3.06391	2.90759
33	5.86401	7.64412	7.48907	4.42893	6.21540	6.06164	1.28969	2.85890	2.72243
Min	5.53920	7.58902	7.43589	4.19124	6.19811	6.04498	1.21857	2.85890	2.72243
Max	5.86401	7.91448	7.71203	4.42893	6.54535	6.34226	1.28969	3.22728	3.04085
Mean	5.68935	7.71707	7.52895	4.30224	6.33473	6.14605	1.25573	3.03981	2.87323
Std. Dev	0.09978	0.10530	0.08507	0.07358	0.12302	0.09891	0.02213	0.14049	0.11454
Mean - 3 Sigma	5.39002	7.40119	7.27375	4.08150	5.96567	5.84931	1.18935	2.61835	2.52960
Mean + 3 Sigma	5.98868	8.03296	7.78416	4.52298	6.70379	6.44279	1.32212	3.46127	3.21686

SN	Iq w/VCM=65V 5.0V			Vout Delta from Vs w/+Vin=0.5V 5.0V			Vout Delta from GND w/+Vin=-0.5V 5.0V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	1.27303	1.26425	1.27194	-31.34412	-31.27415	-31.29950	6.18567	6.16655	6.19849
14	1.26790	2.92424	2.78265	-31.34412	-38.58574	-36.96705	6.15368	29.78368	29.27811
15	1.24869	3.22728	3.04918	-31.86226	-45.85894	-42.73056	6.16648	30.00118	36.26341
16	1.22306	3.23561	3.01458	-32.60428	-48.92303	-44.91187	6.16648	29.20157	39.99274
17	1.27495	2.90502	2.76856	-31.43368	-38.61772	-37.18455	6.13449	31.29334	30.58945
28	1.24740	3.07416	2.89734	-32.08615	-42.41744	-40.02472	6.26243	38.89918	45.22531
29	1.24356	3.06968	2.88773	-32.12453	-41.79055	-39.42982	6.27522	34.31265	40.70918
30	1.25125	3.07288	2.91271	-31.75991	-41.69460	-39.58334	6.19846	38.30428	42.11007
33	1.29353	2.86274	2.72627	-31.20979	-35.06748	-33.70469	6.20486	34.24228	32.13748
Min	1.22306	2.86274	2.72627	-32.60428	-48.92303	-44.91187	6.13449	29.20157	29.27811
Max	1.29353	3.23561	3.04918	-31.20979	-35.06748	-33.70469	6.27522	38.89918	45.22531
Mean	1.25629	3.04645	2.87988	-31.80309	-41.61944	-39.31708	6.19526	33.25477	37.03822
Std. Dev	0.02171	0.14100	0.11569	0.46749	4.36102	3.48686	0.05083	3.82401	5.87222
Mean - 3 Sigma	1.19117	2.62344	2.53280	-33.20557	-54.70249	-49.77764	6.04277	21.78275	19.42156
Mean + 3 Sigma	1.32141	3.46946	3.22695	-30.40061	-28.53638	-28.85651	6.34775	44.72679	54.65488

SN	Vout Delta from Vs w/-Vin=-0.5V 5.0V			Vout Delta from GND w/-Vin=0.5V 5.0V			CMRR from -2V to 4V 5.0V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	-31.65117	-31.59399	-31.57456	6.19846	6.16655	6.19849	101.12724	111.48363	118.19668
14	-31.68315	-38.86080	-37.29969	6.22405	29.86045	29.30370	99.58906	111.05582	93.09895
15	-32.15012	-46.15320	-43.10798	6.13449	29.98838	36.27620	102.55598	103.05357	99.17947
16	-32.96890	-49.20449	-45.19333	6.23684	29.38068	40.10148	96.99183	114.34881	96.47655
17	-31.67036	-38.89918	-37.48519	6.16648	31.33172	30.60225	98.32147	87.79588	86.75246
28	-32.42518	-42.69251	-40.24861	6.30081	38.88639	45.30207	100.77576	97.51003	93.63344
29	-32.43157	-42.11039	-39.76885	6.24324	34.34463	40.87549	92.02310	91.14301	92.16322
30	-31.99020	-41.98246	-39.88399	6.24963	38.38104	42.16764	94.35870	94.65231	96.12634
33	-31.45926	-35.35533	-34.05651	6.28802	34.35103	32.10549	93.94064	87.98265	87.93943
Min	-32.96890	-49.20449	-45.19333	6.13449	29.38068	29.30370	92.02310	87.79588	87.93943
Max	-31.45926	-35.35533	-34.05651	6.30081	38.88639	45.30207	102.55598	114.34881	99.17947
Mean	-32.09734	-41.90730	-39.63052	6.23045	33.31554	37.09179	97.31957	98.44276	93.42123
Std. Dev	0.50058	4.36215	3.47661	0.05629	3.80322	5.91420	3.66184	10.17451	3.84316
Mean - 3 Sigma	-33.59909	-54.99374	-50.06035	6.06158	21.90589	19.34919	86.33404	67.91922	81.89176
Mean + 3 Sigma	-30.59559	-28.82085	-29.20068	6.39931	44.72519	54.83439	108.30509	128.96630	104.95070

SN	CMRR from 4V to 15V 5.0V			CMRR from 15V to 65V 5.0V			Gain Error w/ VCM=65V 5.0V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	166.28813	141.67903	148.22627	121.98024	122.40217	121.93146	-0.03724	-0.03953	-0.03800
14	143.24236	124.83566	135.30801	121.89686	114.46244	111.37447	-0.04404	-0.16458	-0.13195
15	138.32933	149.38605	113.65109	123.28086	115.45763	106.60419	-0.03717	-0.27702	-0.27908
16	150.72510	103.78099	123.52834	122.02224	115.31708	108.38772	-0.04703	-0.22972	-0.22823
17	138.90381	150.44017	138.82983	119.08566	106.68176	154.62865	-0.03142	-0.21360	-0.09291
28	154.69246	113.22376	126.91842	121.10428	134.19054	118.94170	-0.03751	-0.19251	-0.18706
29	140.18111	117.17284	113.63084	121.25712	112.12231	115.51389	-0.04342	-0.17130	-0.10502
30	155.65855	116.79204	128.26982	121.23146	112.25347	115.20760	-0.06261	-0.12925	-0.26160
33	143.61736	113.32081	114.13898	120.34904	109.39101	111.78560	-0.02802	-0.24641	-0.15571
Min	138.32933	103.78099	113.63084	119.08566	106.68176	106.60419	-0.06261	-0.27702	-0.27908
Max	155.65855	150.44017	138.82983	123.28086	134.19054	154.62865	-0.02802	-0.12925	-0.09291
Mean	145.66876	123.61904	124.28442	121.27844	114.98453	117.80548	-0.04140	-0.20305	-0.18020
Std. Dev	7.03696	17.24039	9.89934	1.23349	8.32683	15.40407	0.01072	0.04814	0.07067
Mean - 3 Sigma	124.55789	71.89787	94.58641	117.57798	90.00405	71.59327	-0.07356	-0.34746	-0.39220
Mean + 3 Sigma	166.77963	175.34021	153.98242	124.97990	139.96501	164.01768	-0.00925	-0.05864	0.03181

SN	Gain Error w/VCM=0V 5.0V			Vosi w/VCM=0V 5.0V			Vosi w/VCM=5V 5.0V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	-0.02246	-0.02348	-0.02220	0.08080	0.05402	0.03188	0.08083	0.05399	0.03151
14	-0.02891	-0.11008	-0.14441	-0.11624	-1.83232	-0.35384	-0.11782	-1.85380	-0.35347
15	-0.02104	-0.21276	-0.21491	-0.02643	2.66463	2.98606	-0.02768	2.65802	3.00437
16	-0.03690	-0.26298	-0.28224	0.24997	-0.71957	-0.54195	0.24929	-0.71696	-0.50309
17	-0.01783	-0.11882	-0.12960	0.05362	4.26008	3.96303	0.05468	4.26997	3.96163
28	-0.02717	-0.18790	-0.16259	0.10675	4.58323	4.26514	0.10732	4.70465	4.27839
29	-0.03699	-0.07961	-0.12658	0.23688	2.92083	4.19354	0.23657	2.98176	4.21027
30	-0.05275	-0.23084	-0.26533	0.06446	-0.09493	0.85966	0.06322	-0.14408	0.95061
33	-0.01664	-0.20320	-0.16068	0.02408	3.67064	3.80884	0.02346	3.68607	3.85816
Min	-0.05275	-0.26298	-0.28224	-0.11624	-1.83232	-0.54195	-0.11782	-1.85380	-0.50309
Max	-0.01664	-0.07961	-0.12658	0.24997	4.58323	4.26514	0.24929	4.70465	4.27839
Mean	-0.02978	-0.17577	-0.18579	0.07414	1.93157	2.39756	0.07363	1.94820	2.42586
Std. Dev	0.01213	0.06515	0.06097	0.12412	2.45810	2.07289	0.12447	2.49333	2.06469
Mean - 3 Sigma	-0.06616	-0.37122	-0.36870	-0.29823	-5.44272	-3.82112	-0.29977	-5.53178	-3.76820
Mean + 3 Sigma	0.00661	0.01968	-0.00288	0.44650	9.30587	8.61624	0.44703	9.42819	8.61992

SN	Ref Gain Accuracy 5.0V			Ratiometric Accuracy 5.0V			Iq w/VCM=-2V 4.5V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	-0.04142	-0.04648	-0.04855	0.49996	0.49996	0.49999	5.40219	5.38840	5.39481
14	0.06193	0.18982	-0.00439	0.49993	0.49997	0.49997	5.37528	7.20280	7.05096
15	-0.20023	0.01357	-0.04089	0.50004	0.50009	0.50011	5.28679	7.48406	7.30083
16	0.17087	-0.25005	0.23035	0.50002	0.50005	0.50007	5.19782	7.35400	7.13169
17	-0.03923	-0.30663	-0.48811	0.50011	0.50017	0.49985	5.41821	7.22715	7.07467
28	0.15368	0.17115	0.26996	0.49996	0.49997	0.50001	5.29712	7.31108	7.12784
29	0.06717	-0.04822	0.18847	0.49994	0.49992	0.49997	5.28047	7.31044	7.12015
30	-0.07238	0.23867	0.03426	0.49987	0.49972	0.49984	5.32990	7.34631	7.17846
33	-0.13983	-0.12585	-0.09477	0.50004	0.49997	0.50001	5.50085	7.24701	7.09837
Min	-0.20023	-0.30663	-0.48811	0.49987	0.49972	0.49984	5.19782	7.20280	7.05096
Max	0.17087	0.23867	0.26996	0.50011	0.50017	0.50011	5.50085	7.48406	7.30083
Mean	0.00025	-0.01469	0.01186	0.49999	0.49998	0.49998	5.33604	7.31036	7.13537
Std. Dev	0.13500	0.20545	0.24214	0.00008	0.00013	0.00010	0.09368	0.08934	0.07720
Mean - 3 Sigma	-0.40477	-0.63103	-0.71457	0.49976	0.49958	0.49969	5.05500	7.04233	6.90378
Mean + 3 Sigma	0.40526	0.60164	0.73829	0.50022	0.50038	0.50026	5.61709	7.57839	7.36696

SN	Iq w/VCM=0V 4.5V			Iq w/VCM=5V 4.5V			Iq w/VCM=65V 4.5V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	3.99978	3.98916	3.99493	1.26159	1.25411	1.25860	1.26095	1.25603	1.26180
14	3.98120	5.81317	5.65877	1.25775	2.87567	2.73664	1.25775	2.87887	2.74176
15	3.91970	6.11749	5.93554	1.23597	3.13130	2.96792	1.23725	3.14347	2.98010
16	3.84923	6.00730	5.78626	1.21098	3.12297	2.92884	1.21162	3.13514	2.94102
17	4.01388	5.82022	5.66710	1.26352	2.85965	2.72190	1.26352	2.86477	2.73023
28	3.92418	5.94003	5.75743	1.23276	3.00701	2.84299	1.23789	3.01149	2.84812
29	3.91073	5.94515	5.75359	1.22764	2.98778	2.82121	1.23341	2.99291	2.83274
30	3.94276	5.96501	5.79716	1.24173	3.00124	2.85452	1.24109	3.01021	2.86221
33	4.06833	5.82214	5.67222	1.27953	2.81608	2.68090	1.27953	2.81993	2.68667
Min	3.84923	5.81317	5.65877	1.21098	2.81608	2.68090	1.21162	2.81993	2.68667
Max	4.06833	6.11749	5.93554	1.27953	3.13130	2.96792	1.27953	3.14347	2.98010
Mean	3.95125	5.92881	5.75351	1.24374	2.97521	2.81937	1.24526	2.98210	2.82786
Std. Dev	0.06801	0.10691	0.09195	0.02199	0.11749	0.10097	0.02095	0.12069	0.10315
Mean - 3 Sigma	3.74722	5.60809	5.47767	1.17776	2.62274	2.51645	1.18241	2.62004	2.51841
Mean + 3 Sigma	4.15528	6.24954	6.02935	1.30971	3.32768	3.12228	1.30810	3.34415	3.13730

SN	Vout Delta from Vs w+/Vin=0.5V 4.5V			Vout Delta from GND w+/Vin=0.5V 4.5V			Vout Delta from Vs w-/Vin=-0.5V 4.5V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	-29.55943	-29.64295	-29.56597	6.16008	6.18574	6.13452	-29.87927	-29.90523	-29.85382
14	-29.78332	-40.86941	-37.82422	6.18567	21.23751	22.74699	-30.04558	-41.18925	-38.11208
15	-30.09036	-55.73566	-48.28937	6.16008	20.00931	22.73419	-30.42939	-56.09389	-48.53245
16	-30.81319	-59.56737	-50.71376	6.22405	19.96454	24.02635	-31.17781	-59.79766	-50.90566
17	-29.70016	-39.72438	-37.28050	6.11530	22.33776	24.35258	-29.94323	-40.01863	-37.52358
28	-30.31425	-49.30684	-43.42781	6.26882	25.24193	29.89220	-30.64048	-49.53713	-43.73486
29	-30.40380	-48.80149	-43.05680	6.24963	22.20343	26.37397	-30.68526	-48.98700	-43.29348
30	-30.06477	-47.25346	-42.40433	6.20486	23.32927	26.57227	-30.29506	-47.51572	-42.69858
33	-29.48906	-36.34684	-33.76866	6.24963	23.51478	25.87502	-29.82170	-36.57713	-34.03733
Min	-30.81319	-59.56737	-50.71376	6.11530	19.96454	22.73419	-31.17781	-59.79766	-50.90566
Max	-29.48906	-36.34684	-33.76866	6.26882	25.24193	29.89220	-29.82170	-36.57713	-34.03733
Mean	-30.08236	-47.20068	-42.09568	6.20726	22.22982	25.32170	-30.37981	-47.46455	-42.35475
Std. Dev	0.42747	7.98720	5.68453	0.05185	1.81233	2.38472	0.45063	7.98699	5.66576
Mean - 3 Sigma	-31.36476	-71.16230	-59.14928	6.05172	16.79281	18.16753	-31.73171	-71.42552	-59.35204
Mean + 3 Sigma	-28.79997	-23.23907	-25.04209	6.36279	27.66682	32.47586	-29.02791	-23.50358	-25.35746

SN	Vout Delta from GND w/Vin=0.5V 4.5V			mV			CMRR from -2V to 4V 4.5V			dB			CMRR from 4V to 15V 4.5V			dB		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	6.21125	6.19854	6.16011	101.28675	112.02562	116.16289	137.98866	146.46349	147.01233									
14	6.23684	21.26949	22.77258	99.77650	116.46074	95.95493	152.30873	124.08969	110.39275									
15	6.12170	20.08608	22.76618	101.89474	118.55078	94.54294	152.66330	111.44608	113.56233									
16	6.21765	20.00292	24.07752	97.29603	114.20261	111.89777	159.43968	118.13000	117.92869									
17	6.16648	22.35696	24.42935	98.36972	91.04910	90.47635	143.24236	112.57317	102.94883									
28	6.24963	25.29950	30.00095	100.48373	100.25066	95.13368	145.15004	116.02366	124.92436									
29	6.26243	22.17784	26.34838	92.13895	90.13284	90.77463	144.56093	117.20942	114.58789									
30	6.26882	23.38045	26.59146	94.49904	94.20927	93.94979	152.66330	118.22560	123.56636									
33	6.26882	23.54677	25.89421	94.06886	90.50925	88.39439	138.05574	131.29329	115.77164									
Min	6.12170	20.00292	22.76618	92.13895	90.13284	88.39439	138.05574	111.44608	102.94883									
Max	6.26882	25.29950	30.00095	101.89474	118.55078	111.89777	159.43968	131.29329	124.92436									
Mean	6.22405	22.26500	25.36008	97.31595	101.92066	95.14056	148.51051	118.62386	115.46036									
Std. Dev	0.05363	1.81136	2.39794	3.45264	12.46962	7.26606	6.89008	6.41076	7.05131									
Mean - 3 Sigma	6.06317	16.83092	18.16627	86.95802	64.51181	73.34238	127.84028	99.39157	94.30642									
Mean + 3 Sigma	6.38493	27.69908	32.55389	107.67387	139.32951	116.93874	169.18074	137.85616	136.61429									

SN	CMRR from 15V to 65V 4.5V			dB			Gain Error w/VCM=65V 4.5V			%			Gain Error w/VCM=0V 4.5V			%		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	121.26997	121.88982	122.19223	-0.03413	-0.04011	-0.03640	-0.02520	-0.02606	-0.02501									
14	121.40615	111.89635	117.91702	-0.04710	-0.14488	-0.13315	-0.03004	-0.16851	-0.13039									
15	122.80740	108.99224	109.66917	-0.03599	-0.18024	-0.17608	-0.02374	-0.20174	-0.22086									
16	121.78008	110.08503	110.07977	-0.04571	-0.25056	-0.17974	-0.04152	-0.24717	-0.28776									
17	119.44315	107.51994	110.27352	-0.03006	-0.15206	-0.09013	-0.01797	-0.15372	-0.16930									
28	122.11393	110.58181	126.21474	-0.03825	-0.12318	-0.16133	-0.02818	-0.09737	-0.13155									
29	121.28285	109.69113	113.08003	-0.04372	-0.16248	-0.15485	-0.03770	-0.11836	-0.17800									
30	121.18674	110.88205	113.40948	-0.06518	-0.21548	-0.27769	-0.05657	-0.23425	-0.30793									
33	120.92931	108.83556	117.04791	-0.02649	-0.15803	-0.21705	-0.01856	-0.17070	-0.17613									
Min	119.44315	107.51994	109.66917	-0.06518	-0.25056	-0.27769	-0.05657	-0.24717	-0.30793									
Max	122.80740	111.89635	126.21474	-0.02649	-0.12318	-0.09013	-0.01797	-0.09737	-0.13039									
Mean	121.36870	109.81051	114.71146	-0.04156	-0.17336	-0.17375	-0.03179	-0.17398	-0.20024									
Std. Dev	0.98105	1.36540	5.59323	0.01202	0.04126	0.05590	0.01304	0.05234	0.06688									
Mean - 3 Sigma	118.42557	105.71431	97.93177	-0.07763	-0.29715	-0.34145	-0.07091	-0.33099	-0.40089									
Mean + 3 Sigma	124.31184	113.90672	131.49114	-0.00549	-0.04958	-0.00606	0.00734	-0.01697	0.00041									

SN	Vosi w/VCM=0V 4.5V			mV			Vosi w/VCM=5V 4.5V			mV			Ref Gain Accuracy 4.5V			mV/V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	0.07920	0.05423	0.03303	0.08038	0.05455	0.03428	-0.03692	-0.04688	-0.03939									
14	-0.10709	-1.71960	-0.30256	-0.10681	-1.71136	2.95501	0.06770	0.01906	0.16390									
15	-0.04090	2.89790	2.99656	-0.04312	2.84163	-0.32933	-0.21836	0.00824	-0.27524									
16	0.24295	-0.71671	-0.34152	0.24332	-0.75428	3.78440	0.17053	-0.27551	0.10660									
17	0.04263	4.43452	3.76869	0.04360	4.50457	4.25172	-0.03452	-0.45584	-0.09873									
28	0.08554	4.81499	4.24692	0.08384	4.81487	3.86716	0.15514	0.05630	0.19475									
29	0.21409	2.95848	3.81326	0.21340	2.95818	1.08869	0.07286	0.24736	0.19097									
30	0.06230	0.45842	1.05806	0.06050	0.38025	4.02950	-0.07019	0.27967	0.13226									
33	0.00616	3.66356	3.97443	0.00715	3.63826	4.02950	-0.13684	-0.17080	-0.09644									
Min	-0.10709	-1.71960	-0.34152	-0.10681	-1.71136	-0.32933	-0.21836	-0.45584	-0.27524									
Max	0.24295	4.81499	4.24692	0.24332	4.81487	4.25172	0.17053	0.27967	0.19475									
Mean	0.06321	2.09895	2.40173	0.06274	2.08402	2.95958	0.00079	-0.03644	0.03976									
Std. Dev	0.11898	2.44533	1.95437	0.11902	2.46212	1.68100	0.13916	0.25220	0.17414									
Mean - 3 Sigma	-0.29372	-5.23705	-3.46139	-0.29434	-5.30233	-2.08341	-0.41669	-0.79305	-0.48266									
Mean + 3 Sigma	0.42014	9.43494	8.26485	0.41981	9.47036	8.00258	0.41827	0.72017	0.56218									

SN	Ratiometric Accuracy 4.5V			V/V			Iq w/VCM=-2V 5.5V			mA			Iq w/VCM=0V 5.5V			mA		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	0.49999	0.49994	0.49998	6.12082	6.11342	6.11919	4.71905	4.70970	4.71611									
14	0.49991	0.49983	0.49985	6.09584	7.97139	7.82467	4.70496	6.57663	6.42928									
15	0.50004	0.50004	0.50020	6.00294	8.30198	8.10721	4.62872	6.92772	6.73424									
16	0.50002	0.49995	0.50006	5.89531	8.16295	7.92846	4.54031	6.81561	6.57855									
17	0.50012	0.50016	0.50034	6.14645	7.99766	7.85158	4.73827	6.58891	6.44529									
28	0.49995	0.49988	0.49988	6.00614	8.08030	7.89258	4.62744	6.70733	6.51833									
29	0.49994	0.49990	0.49992	5.98756	8.09632	7.89899	4.61463	6.72399	6.52986									
30	0.49987	0.49995	0.49993	6.04586	8.12131	7.95473	4.66075	6.74001	6.57151									
33	0.50005	0.49998	0.50005	6.24127	8.02584	7.88297	4.80811	6.59970	6.45747									
Min	0.49987	0.49983	0.49985	5.89531	7.97139	7.82467	4.54031	6.57663	6.42928									
Max	0.50012	0.50016	0.50034	6.24127	8.30198	8.10721	4.80811	6.92772	6.73424									
Mean	0.49999	0.49996	0.50003	6.05267	8.09472	7.91765	4.66540	6.70998	6.53307									
Std. Dev	0.00008	0.00010	0.00017	0.10685	0.10550	0.08670	0.08304	0.12207	0.09888									
Mean - 3 Sigma	0.49974	0.49965	0.49952	5.73213	7.77823	7.65756	4.41627	6.34378	6.23644									
Mean + 3 Sigma	0.50024	0.50027	0.50054	6.37321	8.41120	8.17774	4.91453	7.07617	6.82970									

SN	Iq w/VCm=5V 5.5V			Iq w/VCm=65V 5.5V			Iq w/VCm=0V 6.0V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	1.31330	1.30514	1.31090	1.28767	1.28079	1.28336	5.08413	5.07413	5.08054
14	1.31009	3.14580	2.99717	1.28575	2.95104	2.81457	5.06299	6.95708	6.81357
15	1.28703	3.54238	3.34890	1.26140	3.27138	3.09711	4.98483	7.32227	7.13135
16	1.26012	3.48985	3.25664	1.23321	3.27266	3.06316	4.89258	7.20310	6.96989
17	1.31266	3.12787	2.98115	1.29087	2.93694	2.80304	5.10335	6.97566	6.83087
28	1.28318	3.31687	3.12979	1.25564	3.09775	2.93118	4.98483	7.08073	6.89558
29	1.27742	3.34313	3.15029	1.25628	3.09263	2.92413	4.96946	7.10572	6.90903
30	1.29151	3.32840	3.16310	1.26781	3.09775	2.95040	5.01943	7.11853	6.95644
33	1.33059	3.08046	2.93566	1.30689	2.89210	2.75948	5.18152	6.98655	6.84368
Min	1.26012	3.08046	2.93566	1.23321	2.89210	2.75948	4.89258	6.95708	6.81357
Max	1.33059	3.54238	3.34890	1.30689	3.27266	3.09711	5.18152	7.32227	7.13135
Mean	1.29408	3.29685	3.12034	1.26973	3.07653	2.91788	5.02487	7.09371	6.91880
Std. Dev	0.02249	0.16872	0.14257	0.02351	0.14484	0.12157	0.08941	0.12491	0.10302
Mean - 3 Sigma	1.22661	2.79068	2.69263	1.19919	2.64203	2.55317	4.75665	6.71897	6.60975
Mean + 3 Sigma	1.36154	3.80301	3.54805	1.34028	3.51104	3.28259	5.29310	7.46844	7.22785

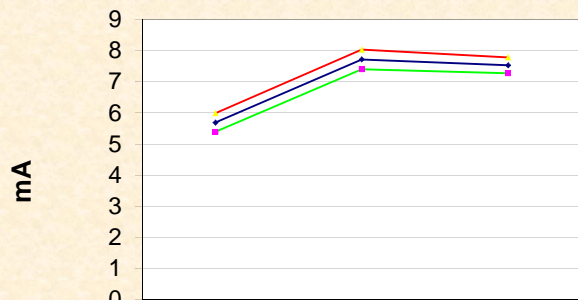
SN	Iq w/VCm=65V 6.0V			Vout Delta from Vs w/+Vin=0.5V 5.5V			Vout Delta from GND w/+Vin=0.5V 5.5V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	1.30167	1.29349	1.29541	-32.89214	-32.91814	-32.91789	6.19846	6.19854	6.20489
14	1.29782	2.98296	2.85290	-32.98169	-39.76915	-38.43832	6.19846	33.58341	31.49140
15	1.27540	3.31867	3.14633	-33.42307	-45.87174	-43.77964	6.15368	50.15762	47.05479
16	1.24913	3.31996	3.11686	-34.29303	-48.67355	-45.80102	6.23044	52.68437	52.50486
17	1.30423	2.96886	2.83881	-32.94971	-39.85871	-38.67500	6.14089	34.37022	32.45092
28	1.26835	3.12839	2.96246	-33.73012	-42.81405	-41.04181	6.23044	51.35383	52.03150
29	1.26515	3.13352	2.98182	-33.74291	-42.34708	-40.70278	6.28162	46.08923	47.50897
30	1.27924	3.13160	2.98808	-33.39109	-42.32149	-40.76675	6.21125	49.52433	48.64120
33	1.31961	2.92017	2.79204	-32.78979	-36.25089	-35.20154	6.23684	37.75415	34.20364
Min	1.24913	2.92017	2.79204	-34.29303	-48.67355	-45.80102	6.14089	33.58341	31.49140
Max	1.31961	3.31996	3.14633	-32.78979	-36.25089	-35.20154	6.28162	52.68437	52.50486
Mean	1.28237	3.11302	2.95741	-33.41268	-42.23833	-40.55086	6.21045	44.43965	43.23591
Std. Dev	0.02318	0.15166	0.12786	0.50335	3.82796	3.27102	0.04593	7.93724	8.95359
Mean - 3 Sigma	1.21284	2.65803	2.57383	-34.92271	-53.72220	-50.36391	6.07266	20.62791	16.37514
Mean + 3 Sigma	1.35189	3.56800	3.34099	-31.90264	-30.75446	-30.73781	6.34824	68.25138	70.09668

SN	Vout Delta from Vs w/-Vin=0.5V 5.5V			Vout Delta from GND w/-Vin=0.5V 5.5V			CMRR from -2V to 4V 5.5V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	-33.28874	-33.25717	-33.23133	6.18567	6.17295	6.15371	101.25047	112.11424	117.04512
14	-33.36550	-40.07620	-38.74536	6.19846	33.63458	31.41464	99.80106	121.85131	95.33829
15	-33.71093	-46.27474	-44.13786	6.16008	50.06807	47.07399	101.55167	99.76809	97.74608
16	-34.58728	-49.02538	-46.05050	6.17927	52.62040	52.63280	97.17807	105.17419	104.96362
17	-33.34631	-40.22333	-38.98204	6.16008	34.35103	32.50849	98.12402	91.03957	88.73669
28	-34.08834	-43.11470	-41.36165	6.26243	51.21950	52.08907	100.54172	102.10967	93.70070
29	-34.13311	-42.64133	-40.95225	6.25603	46.12121	47.60492	92.01719	88.08268	90.46820
30	-33.71732	-42.60935	-41.09298	6.23044	49.58190	48.74355	94.33582	99.53591	92.96086
33	-33.15441	-36.56434	-35.46381	6.23044	37.75415	34.08850	93.85847	89.10209	88.71224
Min	-34.58728	-49.02538	-46.05050	6.16008	33.63458	31.41464	92.01719	88.08268	88.71224
Max	-33.15441	-36.56434	-35.46381	6.26243	52.62040	52.63280	101.55167	121.85131	104.96362
Mean	-33.76290	-42.56617	-40.84831	6.20965	44.41886	43.26950	97.17600	99.58294	94.07834
Std. Dev	0.48242	3.84511	3.27581	0.04099	7.90174	9.01839	3.46307	11.01075	5.41535
Mean - 3 Sigma	-35.21015	-54.10150	-50.67572	6.08667	20.71363	16.21433	86.78678	66.55068	77.83230
Mean + 3 Sigma	-32.31565	-31.03084	-31.02089	6.33264	68.12408	70.32466	107.56523	132.61519	110.32437

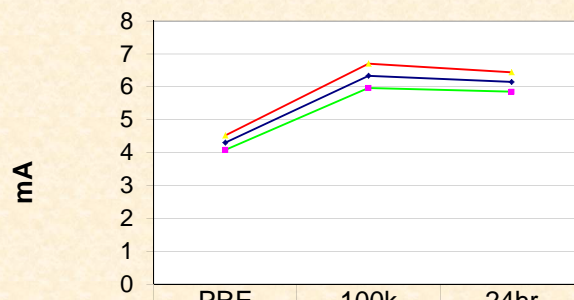
SN	CMRR from 4V to 15V 5.5V			CMRR from 15V to 65V 5.5V			Gain Error w/VCm=65V 5.5V		
	PRE	100k	24hr	PRE	100k	24hr	PRE	100k	24hr
8	164.70450	146.82545	141.37782	121.57776	122.30740	122.29298	-0.03747	-0.04460	-0.03738
14	139.59906	108.07339	135.45650	121.32807	113.96287	119.02081	-0.04573	-0.13379	-0.13674
15	141.27972	110.71052	113.02160	122.53523	113.18332	115.66443	-0.03594	-0.17355	-0.07436
16	151.32437	103.29131	111.84528	121.69183	109.92149	112.35439	-0.04844	-0.33287	-0.32174
17	143.00107	120.84190	113.01406	119.12578	110.35364	106.77470	-0.03024	-0.16996	-0.16041
28	149.14148	125.98081	107.31786	121.24428	113.22909	110.58752	-0.03740	-0.03902	-0.17671
29	152.30873	134.78426	109.83688	121.80058	156.64197	112.67847	-0.04330	-0.04694	-0.14058
30	157.98866	109.63272	130.32889	120.78209	107.35503	111.89204	-0.06498	-0.23164	-0.17050
33	142.20573	107.35110	118.97832	120.35483	109.73535	115.36591	-0.02837	-0.24650	-0.15744
Min	139.59906	103.29131	107.31786	119.12578	107.35503	106.77470	-0.06498	-0.33287	-0.32174
Max	157.98866	134.78426	135.45650	122.53523	156.64197	119.02081	-0.02837	-0.03902	-0.07436
Mean	147.10610	115.08325	117.47492	121.10784	116.79785	113.04228	-0.04180	-0.17178	-0.16731
Std. Dev	6.53126	10.93390	10.16824	1.03697	16.25357	3.68888	0.01175	0.09984	0.07008
Mean - 3 Sigma	127.51233	82.28154	86.97020	117.99692	68.03713	101.97565	-0.07706	-0.47130	-0.37756
Mean + 3 Sigma	166.69988	147.88496	147.97964	124.21876	165.55856	124.10892	-0.00654	0.12774	0.04294

SN	Gain Error w/VCM=0V 5.5V			%	Vosi w/VCM=0V 5.5V			mV	Vosi w/VCM=5V 5.5V			mV
	PRE	100k	24hr		PRE	100k	24hr		PRE	100k	24hr	
8	-0.01822	-0.02224	-0.01910	0.08307	0.05233	0.03282	0.08260	0.04978	0.03224			
14	-0.02646	-0.12487	-0.11403	-0.12694	-1.14542	0.09084	-0.12967	-1.08583	0.11106			
15	-0.01631	-0.20443	-0.19078	-0.01469	3.39320	3.48003	-0.01489	3.45623	3.48596			
16	-0.03338	-0.24101	-0.22785	0.26184	-0.95946	-0.32607	0.26161	-0.97830	-0.29392			
17	-0.01467	-0.09956	-0.21499	0.10906	5.21442	4.40820	0.10940	5.22401	4.52689			
28	-0.02137	-0.10998	-0.11650	0.12618	5.77346	4.80492	0.12663	5.72783	4.77235			
29	-0.03165	-0.12020	-0.10464	0.26303	3.58886	4.23403	0.26066	3.50815	4.31868			
30	-0.04726	-0.23885	-0.18848	0.06215	0.92231	1.14365	0.06153	0.88890	1.15086			
33	-0.01351	-0.14154	-0.14450	0.04594	4.25499	4.32348	0.04600	4.19830	4.37852			
Min	-0.04726	-0.24101	-0.22785	-0.12694	-1.14542	-0.32607	-0.12967	-1.08583	-0.29392			
Max	-0.01351	-0.09956	-0.10464	0.26303	5.77346	4.80492	0.26161	5.72783	4.77235			
Mean	-0.02558	-0.16006	-0.16272	0.09082	2.63030	2.76989	0.09016	2.61491	2.80630			
Std. Dev	0.01157	0.05864	0.04875	0.13195	2.69278	2.11437	0.13218	2.67704	2.12680			
Mean - 3 Sigma	-0.06028	-0.33597	-0.30898	-0.30503	-5.44803	-3.57323	-0.30637	-5.41620	-3.57411			
Mean + 3 Sigma	0.00913	0.01586	-0.01647	0.48667	10.70862	9.11300	0.48669	10.64602	9.18671			

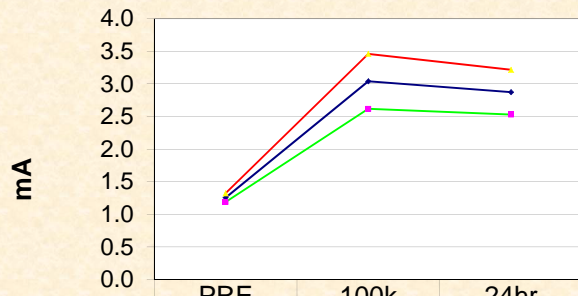
SN	Ref Gain Accuracy 5.5V			mV/V	Ratiometric Accuracy 5.5V			V/V	PSRR w/VCM=10V 4.5V to 5.5V			dB
	PRE	100k	24hr		PRE	100k	24hr		PRE	100k	24hr	
8	-0.04675	-0.04866	-0.04559	0.49997	0.49996	0.49997	115.57719	125.28815	106.66984			
14	0.05852	-0.09120	0.05142	0.49991	0.49994	0.49988	101.73245	82.79961	79.30859			
15	-0.20388	-0.11867	-0.10929	0.50005	0.50011	0.49999	93.42776	71.94019	74.24775			
16	0.16361	0.10668	0.16964	0.50003	0.49989	0.50013	104.79180	86.24313	73.95462			
17	-0.03417	-0.14297	0.16107	0.50011	0.50013	0.50004	102.77673	67.27760	67.22514			
28	0.15510	0.36038	0.00457	0.49997	0.49994	0.50004	89.65739	69.62606	71.81155			
29	0.06376	0.09085	-0.07391	0.49992	0.49981	0.49989	92.99529	78.95888	73.54193			
30	-0.06519	-0.16752	0.21802	0.49987	0.50002	0.49998	95.98762	92.25803	94.37772			
33	-0.12607	0.07223	0.11107	0.50004	0.50009	0.50008	97.72673	75.51548	82.91165			
Min	-0.20388	-0.16752	-0.10929	0.49987	0.49981	0.49988	89.65739	67.27760	67.22514			
Max	0.16361	0.36038	0.21802	0.50011	0.50013	0.50013	104.79180	92.25803	94.37772			
Mean	0.00146	0.01372	0.06657	0.49999	0.49999	0.50000	97.38697	78.07737	77.17237			
Std. Dev	0.13157	0.17893	0.11905	0.00008	0.00011	0.00009	5.33916	8.64486	8.39473			
Mean - 3 Sigma	-0.39325	-0.52308	-0.29057	0.49974	0.49965	0.49974	81.36949	52.14279	51.98819			
Mean + 3 Sigma	0.39617	0.55053	0.42372	0.50024	0.50034	0.50027	113.40445	104.01195	102.35655			

Iq w/Vcm = -2V to 5.0V

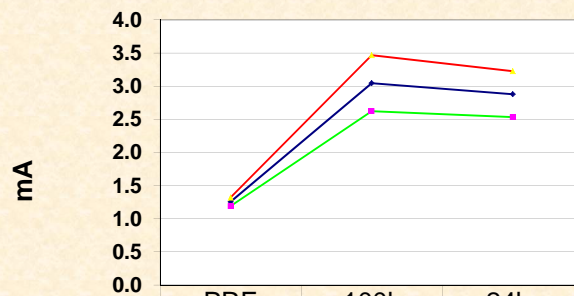
	PRE	100k	24hr
→Average	5.68935	7.71707	7.52895
→-3 Sigma	5.39002	7.40119	7.27375
→+3 Sigma	5.98868	8.03296	7.78416

Iq w/Vcm = 0V 5.0V

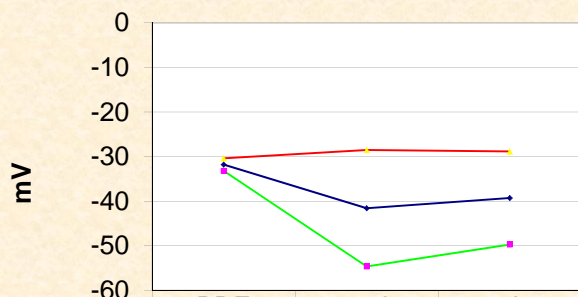
	PRE	100k	24hr
→Average	4.30224	6.33473	6.14605
→-3 Sigma	4.08150	5.96567	5.84931
→+3 Sigma	4.52298	6.70379	6.44279

Iq w/Vcm = 5V 5.0V

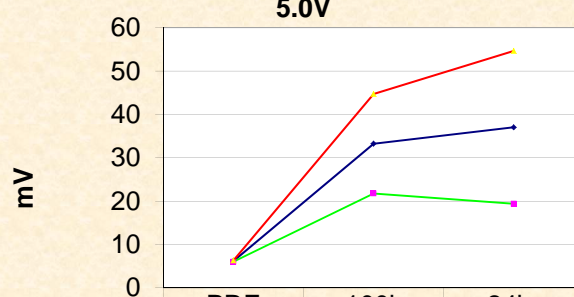
	PRE	100k	24hr
→Average	1.25573	3.03981	2.87323
→-3 Sigma	1.18935	2.61835	2.52960
→+3 Sigma	1.32212	3.46127	3.21686

Iq w/Vcm = 65V 5.0V

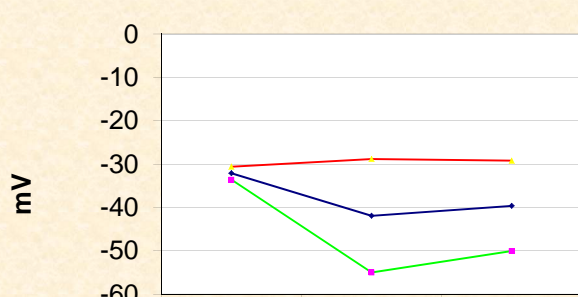
	PRE	100k	24hr
→Average	1.25629	3.04645	2.87988
→-3 Sigma	1.19117	2.62344	2.53280
→+3 Sigma	1.32141	3.46946	3.22695

Vout Delta from Vs w/+Vin=0.5V 5.0V

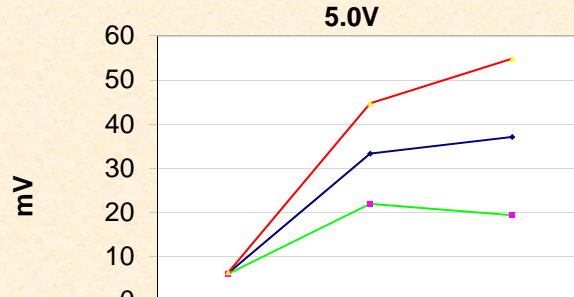
	PRE	100k	24hr
→Average	-31.80309	-41.61944	-39.31708
→-3 Sigma	-33.20557	-54.70249	-49.77764
→+3 Sigma	-30.40061	-28.53638	-28.85651

Vout Delta from GND w/+Vin=-0.5V 5.0V

	PRE	100k	24hr
→Average	6.19526	33.25477	37.03822
→-3 Sigma	6.04277	21.78275	19.42156
→+3 Sigma	6.34775	44.72679	54.65488

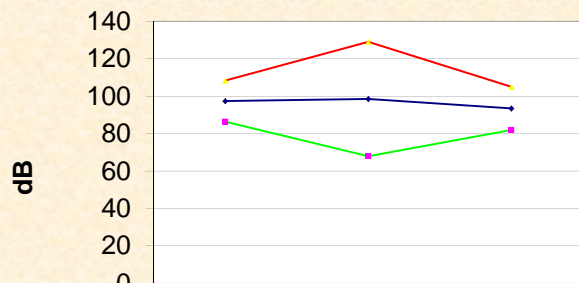
Vout Delta from Vs w/-Vin=-0.5V 5.0V

	PRE	100k	24hr
→Average	-32.09734	-41.90730	-39.63052
→-3 Sigma	-33.59909	-54.99374	-50.06035
→+3 Sigma	-30.59559	-28.82085	-29.20068

Vout Delta from GND w/-Vin=0.5V 5.0V

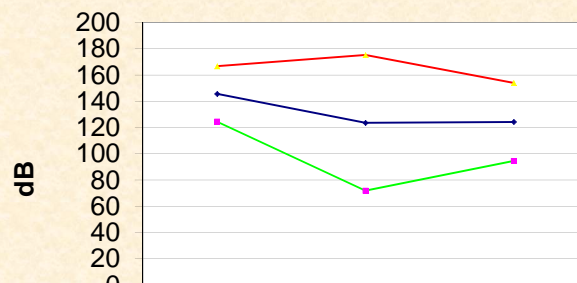
	PRE	100k	24hr
→Average	6.23045	33.31554	37.09179
→-3 Sigma	6.06158	21.90589	19.34919
→+3 Sigma	6.39931	44.72519	54.83439

CMRR from -2V to 4V 5.0V



	PRE	100k	24hr
Average	97.31957	98.44276	93.42123
-3 Sigma	86.33404	67.91922	81.89176
+3 Sigma	108.30509	128.96630	104.95070

CMRR from 4V to 15V 5.0V



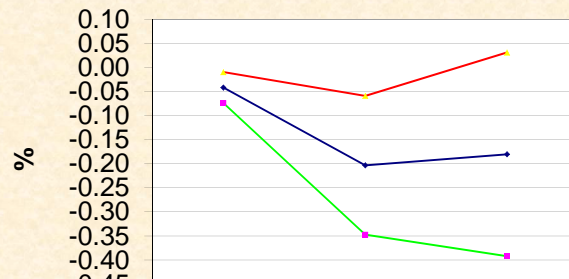
	PRE	100k	24hr
Average	145.66876	123.61904	124.28442
-3 Sigma	124.55789	71.89787	94.58641
+3 Sigma	166.77963	175.34021	153.98242

CMRR from 15V to 65V 5.0V



	PRE	100k	24hr
Average	121.27844	114.98453	117.80548
-3 Sigma	117.57798	90.00405	71.59327
+3 Sigma	124.97890	139.96501	164.01768

Gain Error w/ Vcm=65V 5.0V



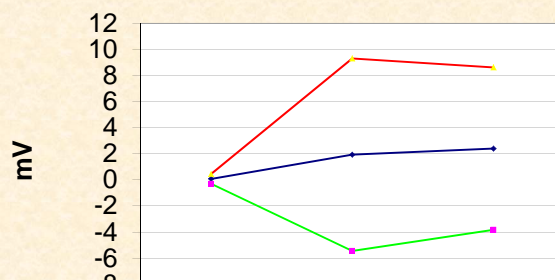
	PRE	100k	24hr
Average	-0.04140	-0.20305	-0.18020
-3 Sigma	-0.07356	-0.34746	-0.39220
+3 Sigma	-0.00925	-0.05864	0.03181

Gain Error w/ Vcm=0V 5.0V



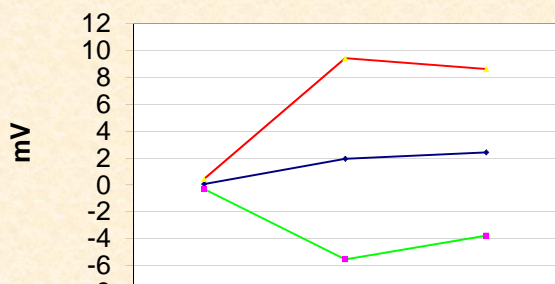
	PRE	100k	24hr
Average	-0.02978	-0.17577	-0.18579
-3 Sigma	-0.06616	-0.37122	-0.36870
+3 Sigma	0.00661	0.01968	-0.00288

Vosi w/Vcm=0V 5.0V



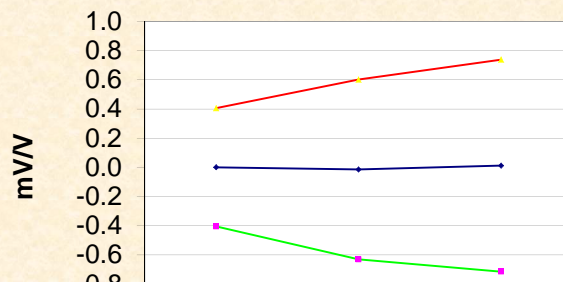
	PRE	100k	24hr
Average	0.07414	1.93157	2.39756
-3 Sigma	-0.29823	-5.44272	-3.82112
+3 Sigma	0.44650	9.30587	8.61624

Vosi w/Vcm=5V 5.0V

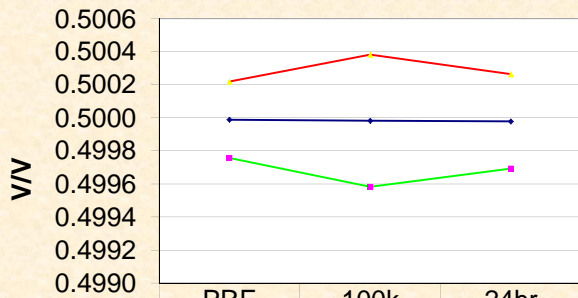


	PRE	100k	24hr
Series1	0.07363	1.94820	2.42586
Series2	-0.29977	-5.53178	-3.76820
Series3	0.44703	9.42819	8.61992

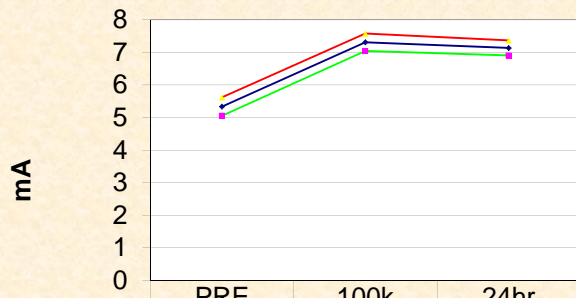
Ref Gain Accuracy 5.0V



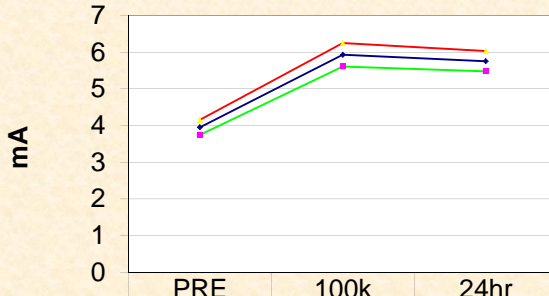
	PRE	100k	24hr
Average	0.00025	-0.01469	0.01186
-3 Sigma	-0.40477	-0.63103	-0.71457
+3 Sigma	0.40526	0.60164	0.73829

Ratiometric Accuracy 5.0V

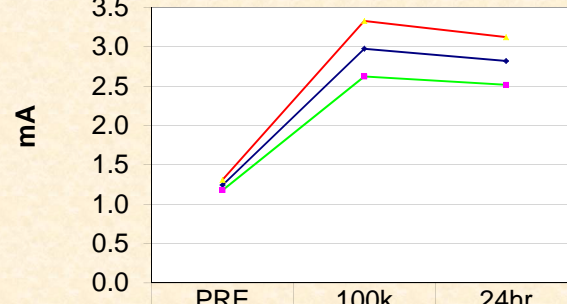
	PRE	100k	24hr
+Average	0.49999	0.49998	0.49998
-3 Sigma	0.49976	0.49958	0.49969
+3 Sigma	0.50022	0.50038	0.50026

Iq w/Vcm=-2V 4.5V

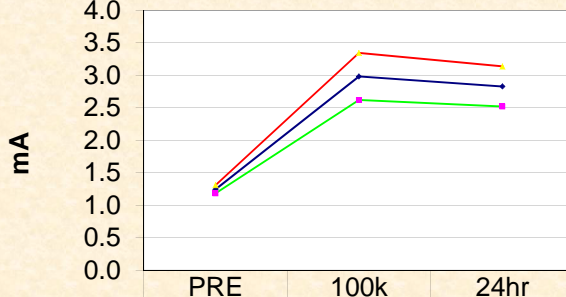
	PRE	100k	24hr
+Average	5.33604	7.31036	7.13537
-3 Sigma	5.05500	7.04233	6.90378
+3 Sigma	5.61709	7.57839	7.36696

Iq w/Vcm=0V 4.5V

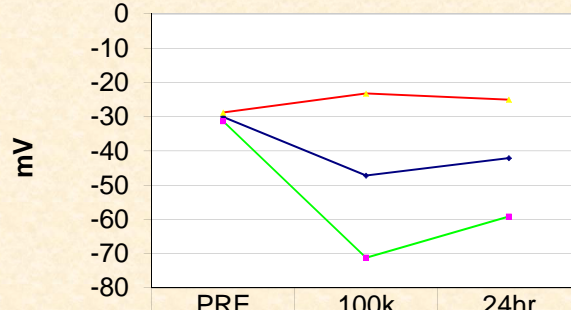
	PRE	100k	24hr
+Average	3.95125	5.92881	5.75351
-3 Sigma	3.74722	5.60809	5.47767
+3 Sigma	4.15528	6.24954	6.02935

Iq w/Vcm=5V 4.5V

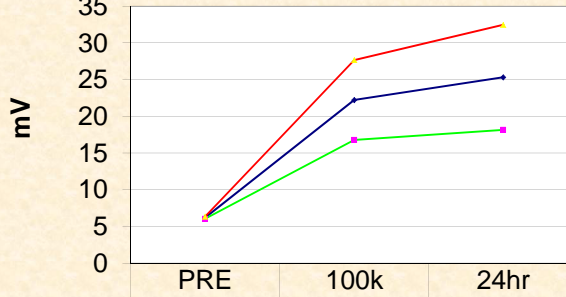
	PRE	100k	24hr
+Average	1.24374	2.97521	2.81937
-3 Sigma	1.17776	2.62274	2.51645
+3 Sigma	1.30971	3.32768	3.12228

Iq w/Vcm=65V 4.5V

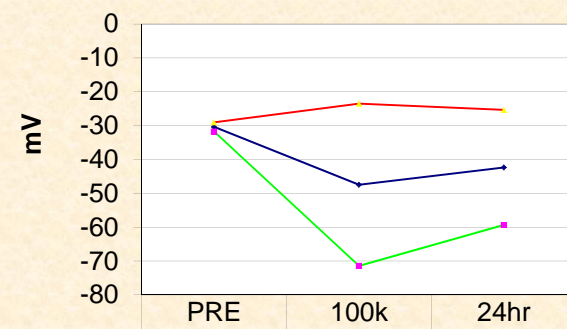
	PRE	100k	24hr
+Average	1.24526	2.98210	2.82786
-3 Sigma	1.18241	2.62004	2.51841
+3 Sigma	1.30810	3.34415	3.13730

Vout Delta from Vs w/+Vin=0.5V 4.5V

	PRE	100k	24hr
+Average	-30.08236	-47.20068	-42.09568
-3 Sigma	-31.36476	-71.16230	-59.14928
+3 Sigma	-28.79997	-23.23907	-25.04209

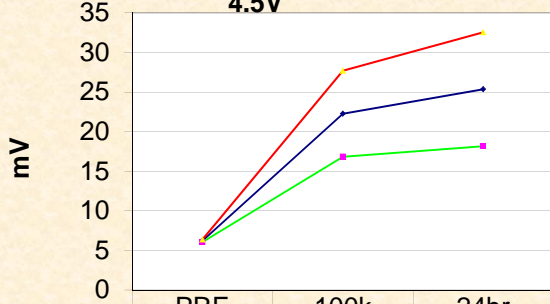
Vout Delta from GND w/+Vin=-0.5V 4.5V

	PRE	100k	24hr
+Average	6.20726	22.22982	25.32170
-3 Sigma	6.05172	16.79281	18.16753
+3 Sigma	6.36279	27.66682	32.47586

Vout Delta from Vs w/-Vin=-0.5V 4.5V

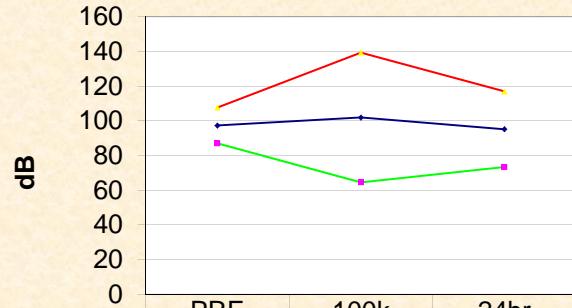
	PRE	100k	24hr
+Average	-30.37981	-47.46455	-42.35475
-3 Sigma	-31.73171	-71.42552	-59.35204
+3 Sigma	-29.02791	-23.50358	-25.35746

**Vout Delta from GND w/ $V_{in}=0.5V$
4.5V**



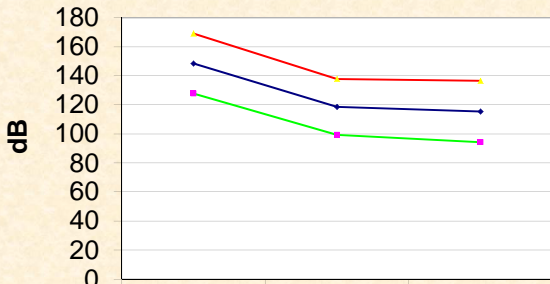
	PRE	100k	24hr
→Average	6.22405	22.26500	25.36008
→-3 Sigma	6.06317	16.83092	18.16627
→+3 Sigma	6.38493	27.69908	32.55389

CMRR from -2V to 4V 4.5V



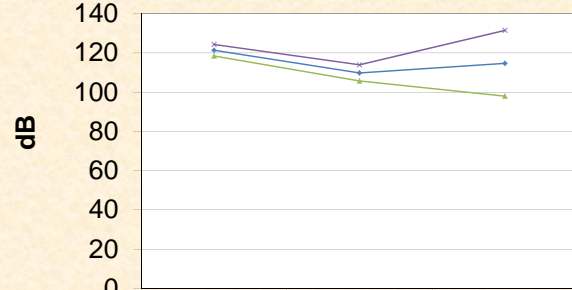
	PRE	100k	24hr
→Average	97.31595	101.92066	95.14056
→-3 Sigma	86.95802	64.51181	73.34238
→+3 Sigma	107.67387	139.32951	116.93874

CMRR from 4V to 15V 4.5V



	PRE	100k	24hr
→Average	148.51051	118.62386	115.46036
→-3 Sigma	127.84028	99.39157	94.30642
→+3 Sigma	169.18074	137.85616	136.61429

CMRR from 15V to 65V 4.5V



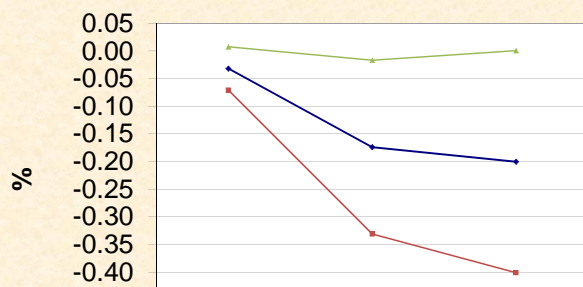
	PRE	100k	24hr
→Average	121.36870	109.81051	114.71146
→-3 Sigma	118.42557	105.71431	97.93177
→+3 Sigma	124.31184	113.90672	131.49114

Gain Error w/ $V_{cm}=65V$ 4.5V



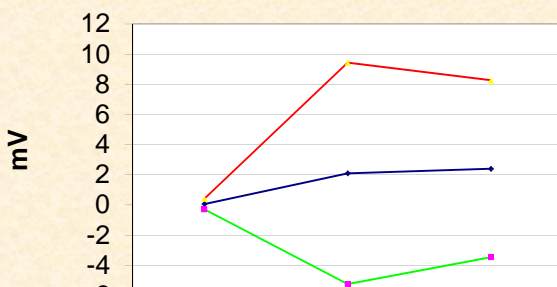
	PRE	100k	24hr
→Average	-0.04156	-0.17336	-0.17375
→-3 Sigma	-0.07763	-0.29715	-0.34145
→+3 Sigma	-0.00549	-0.04958	-0.00606

Gain Error w/ $V_{cm}=0V$ 4.5V



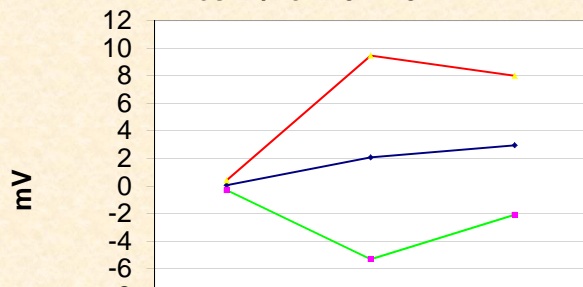
	PRE	100k	24hr
→Average	-0.03179	-0.17398	-0.20024
→-3 Sigma	-0.07091	-0.33099	-0.40089
→+3 Sigma	0.00734	-0.01697	0.00041

Vosi w/ $V_{cm}=0V$ 4.5V



	PRE	100k	24hr
→Average	0.06321	2.09895	2.40173
→-3 Sigma	-0.29372	-5.23705	-3.46139
→+3 Sigma	0.42014	9.43494	8.26485

Vosi w/ $V_{cm}=5V$ 4.5V



	PRE	100k	24hr
→Average	0.06274	2.08402	2.95958
→-3 Sigma	-0.29434	-5.30233	-2.08341
→+3 Sigma	0.41981	9.47036	8.00258

