



Hi-Rel Operations

**National Semiconductor Corporation
Radiation Effects Laboratory
South Portland, Maine 04106**

ANALOG TOTAL DOSE RADIATION REPORT

Customer: Rad Qual

Part Type: RM2012XW-QMLV

Input Bias Circuit: 6354IR

Dose Rate: 37.878 rad(Si)/sec

Test Program Used: EQR2012BA

Tester: B.Brown/L.Miller

Wafer Run Number: EM16383E

Wafer Number: 1

Package Type: JCPAC010

Production Lot #: 7H4381G019

IPI #: N/A

Disposition: PASSES

Summary:

Passes Room Temp @: 50k

Part Out of Room Temp Spec @: N/A (no devices failed)

Functional Failed @: N/A (no devices failed functionally)

Parameters over Limit:

Review By: Bill Brown

Reviewed By QA: Bill Brown March 21,2007

Note:

These parts may be dose rate sensitive in a space environment and demonstrate enhanced low dose rate effect.

Standard Test Flow Sheet For Rad Testing
Customer Special Attachment
Rad Hard Linear

NSID# RM2012XW-QMLV

LOT# 7H4381G019

IPI# N/A

Test Program: EQR2012BA

Machine: ETS500-01

Operator: D2885/D0226

Bias Board: 6354IR

Start Time: 9:51 A.M

Finish Time: 12:05 P.M

Start Date: 5/March/2007

Finish Date: 5/March/2007

QA: _____

Control Units s/n: #1 #2

Duts : #3 #4 #5 #6 #7 #8

Location Step	Operation Mtd/Cond	Qty In	Qty Out	Var	Mech	Rej	FF
PASS	Pre - Rad Read/Rec. Tp1	6	6	0	0	0	0
	<i>Irradiation</i> <i>3k</i> <i>Level</i>	6	6	0	0	N/A	N/A
PASS	Post Rad Read/Rec. Tp2	6	6	0	0	0	0
	<i>Irradiation</i> <i>10k</i> <i>Level</i>	6	6	0	0	N/A	N/A
PASS	Post Rad Read/Rec. Tp3	6	6	0	0	0	0

Standard Test Flow Sheet For Rad Testing
Customer Special Attachment
Rad Hard Linear

NSID# RM2012XW-QMLV

LOT# 7H4381G019

IPI# N/A

Location Step	Operation Mtd/Cond	Qty In	Qty Out	Var	Mech	Rej	FF
	<i>Irradiation</i>	6	6	0	0		
	30k					N/A	N/A
	<i>Level</i>						
PASS	Post Rad Read/Rec. Tp4	6	6	0	0	0	0
	<i>Irradiation</i>	6	6	0	0		
	40k					N/A	N/A
	<i>Level</i>						
PASS	Post Rad Read/Rec. Tp5	6	6	0	0	0	0
	<i>Irradiation</i>	6	6	0	0		
	50k					N/A	N/A
	<i>Level</i>						
PASS	Post Rad Read/Rec. Tp6	6	6	0	0	0	0

Note: All irradiation's are done per MAS-5010

Test Name	Units	Id	Test#	Count	Avg	Sigma	Min	Max	-3Sigma	+3Sigma	LTL	UTL
psi@2p7	(mA)	RAD000K	260	6	1.8003	0.03344	1.759	1.841	1.7	1.9007	0.9	3.5
		RAD003K		6	1.8107	0.035438	1.766	1.855	1.7044	1.917	0.9	3.5
		RAD010K		6	1.81	0.034991	1.767	1.857	1.705	1.915	0.9	3.5
		RAD030K		6	1.9095	0.03611	1.871	1.971	1.8012	2.0178	0.9	3.5
		RAD040K		6	2.0038	0.040926	1.939	2.051	1.8811	2.1266	0.9	3.5
		RAD050K		6	2.2272	0.1019	2.094	2.366	1.9215	2.5329	0.9	3.5
psi@5p0	(mA)	RAD000K	261	6	1.896	0.035338	1.859	1.945	1.79	2.002	0.9	3.5
		RAD003K		6	1.9067	0.035511	1.867	1.953	1.8001	2.0132	0.9	3.5
		RAD010K		6	1.904	0.036748	1.864	1.957	1.7938	2.0142	0.9	3.5
		RAD030K		6	2.077	0.040939	2.017	2.136	1.9542	2.1998	0.9	3.5
		RAD040K		6	2.3735	0.13742	2.184	2.53	1.9612	2.7858	0.9	3.5
		RAD050K		6	2.866	0.19577	2.613	3.128	2.2787	3.4533	0.9	3.5
Vos_vs@2p7A	(uV)	RAD000K	275	6	-3.7905	4.8915	-12.934	1.338	-18.465	10.884	-36	36
		RAD003K		6	-3.3002	4.5127	-11.69	1.566	-16.838	10.238	-36	36
		RAD010K		6	-3.3745	4.1102	-10.718	1.248	-15.705	8.9561	-36	36
		RAD030K		6	-3.5512	4.2879	-11.018	1.169	-16.415	9.3125	-36	36
		RAD040K		6	-3.779	4.4969	-12.085	0.273	-17.27	9.7116	-36	36
		RAD050K		6	-2.8388	3.1927	-7.543	0.954	-12.417	6.7393	-36	36
Vos_vs@2p7B	(uV)	RAD000K	276	6	1.7868	3.1989	-2.594	6.977	-7.8098	11.383	-36	36
		RAD003K		6	1.907	3.2424	-2.324	7.259	-7.8201	11.634	-36	36
		RAD010K		6	1.6305	3.127	-2.61	6.679	-7.7504	11.011	-36	36
		RAD030K		6	1.4327	3.2295	-2.733	6.977	-8.2558	11.121	-36	36
		RAD040K		6	1.0672	3.4763	-2.984	7.041	-9.3616	11.496	-36	36
		RAD050K		6	0.559	4.5668	-3.19	7.602	-13.141	14.259	-36	36
Vos_vs@5p0A	(uV)	RAD000K	279	6	-4.5725	3.8311	-8.007	1.667	-16.066	6.9208	-36	36
		RAD003K		6	-3.8567	3.495	-7.253	1.708	-14.342	6.6282	-36	36
		RAD010K		6	-4.3645	3.8168	-7.594	1.854	-15.815	7.0859	-36	36
		RAD030K		6	-4.0527	4.1272	-8.369	2.647	-16.434	8.3289	-36	36
		RAD040K		6	-4.5283	4.1018	-8.229	1.603	-16.834	7.7769	-36	36
		RAD050K		6	-6.4533	5.2875	-13.719	0.713	-22.316	9.4091	-36	36
Vos_vs@5p0B	(uV)	RAD000K	280	6	1.7208	2.3683	-1.57	5.775	-5.3842	8.8258	-36	36
		RAD003K		6	1.6077	2.4679	-1.788	5.734	-5.7959	9.0113	-36	36
		RAD010K		6	1.313	2.4312	-2.113	5.348	-5.9805	8.6065	-36	36
		RAD030K		6	1.4202	2.4969	-1.831	5.839	-6.0706	8.9109	-36	36
		RAD040K		6	0.90583	2.6322	-2.45	5.492	-6.9909	8.8025	-36	36
		RAD050K		6	0.49867	2.5491	-2.542	4.861	-7.1487	8.146	-36	36
PSRR A	(dB)	RAD000K	284	6	-122.07	9.8855	-136.31	-113.12	-151.72	-92.409	***	-95
		RAD003K		6	-125.06	13.271	-142.9	-113.48	-164.87	-85.248	***	-95
		RAD010K		6	-120.01	7.0274	-131.26	-113.09	-141.1	-98.932	***	-95
		RAD030K		6	-119.68	5.0464	-126.62	-113.86	-134.82	-104.54	***	-95
		RAD040K		6	-119.83	5.9273	-129.49	-115.37	-137.61	-102.05	***	-95
		RAD050K		6	-119.22	11.474	-138.82	-109.47	-153.64	-84.8	***	-95
PSRR B	(dB)	RAD000K	286	6	-129.7	5.4694	-139.03	-124.92	-146.11	-113.29	***	-95
		RAD003K		6	-134.16	10.979	-148.9	-123.44	-167.1	-101.23	***	-95
		RAD010K		6	-134.39	10.066	-151.67	-124.6	-164.59	-104.19	***	-95
		RAD030K		6	-134.2	12.227	-158.57	-125.93	-170.88	-97.522	***	-95
		RAD040K		6	-130.86	6.9646	-142.79	-123.3	-151.75	-109.96	***	-95
		RAD050K		6	-121.49	6.6107	-130.71	-114.11	-141.32	-101.66	***	-95
CMRRdB@2P7_A	(dB)	RAD000K	403	6	-126.25	10	-144.11	-113.51	-156.25	-96.25	***	-95
		RAD003K		6	-131.72	7.0024	-141.62	-123.19	-152.72	-110.71	***	-95
		RAD010K		6	-127.25	12.436	-145.08	-109.09	-164.56	-89.939	***	-95
		RAD030K		6	-122.7	10.555	-140.65	-110.78	-154.37	-91.039	***	-95
		RAD040K		6	-133.13	13.019	-155.63	-122.66	-172.19	-94.072	***	-95
		RAD050K		6	-123.72	10.36	-138.77	-107.79	-154.8	-92.642	***	-95
CMRRdB@2P7_B	(dB)	RAD000K	407	6	-135.28	6.1556	-146.23	-129.93	-153.75	-116.81	***	-95
		RAD003K		6	-129.74	2.2347	-133.72	-127.8	-136.45	-123.04	***	-95
		RAD010K		6	-132.55	3.2063	-138.59	-129.49	-142.17	-122.94	***	-95
		RAD030K		6	-125.73	1.5622	-128.69	-124.39	-130.42	-121.04	***	-95
		RAD040K		6	-126.76	4.008	-133.85	-122.85	-138.79	-114.74	***	-95
		RAD050K		6	-130.46	9.5074	-148.1	-123.84	-158.99	-101.94	***	-95

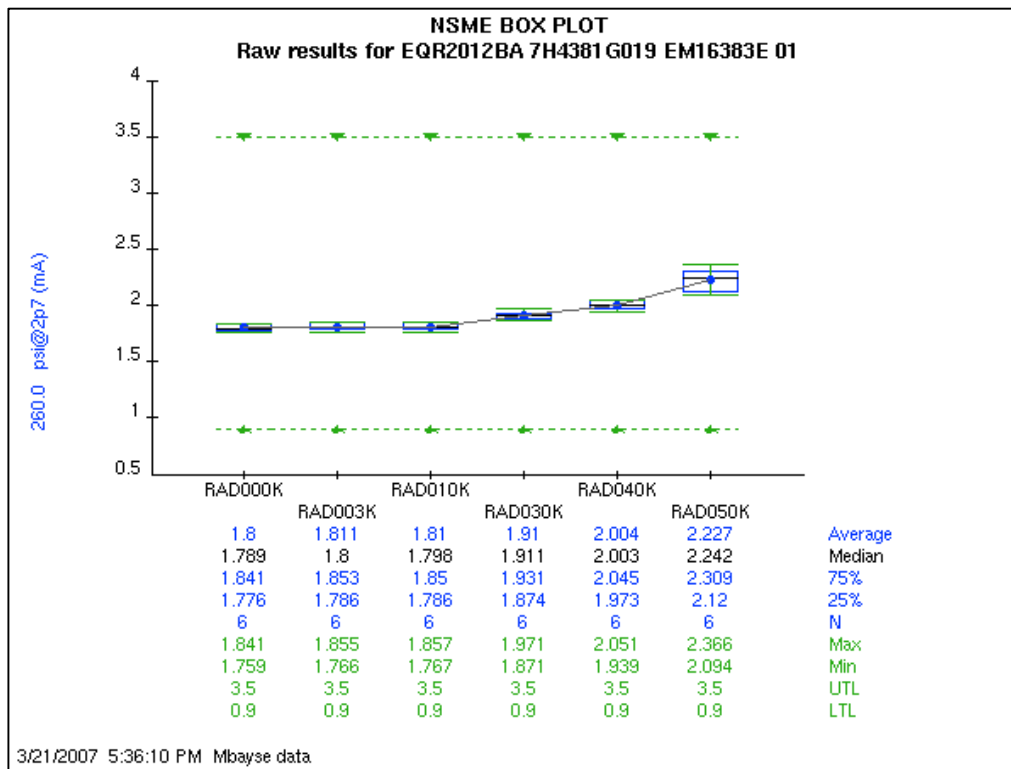
Test Name	Units	Id/	Test#	Count	Avg	Sigma	Min	Max	-3Sigma	+3Sigma	LTL	UTL
CMRRdB@5P0A	(dB)	RAD000K	419	6	-124	7.8692	-131.54	-111.52	-147.6	-100.39	***	-100
		RAD003K		6	-124.44	7.7845	-130.29	-111.57	-147.79	-101.09	***	-100
		RAD010K		6	-120.55	10.355	-132.98	-106.05	-151.61	-89.487	***	-100
		RAD030K		6	-123.62	11.571	-139.71	-111.76	-158.34	-88.907	***	-100
		RAD040K		6	-129.87	11.002	-142.63	-112.23	-162.88	-96.866	***	-100
		RAD050K		6	-123.86	10.039	-134.94	-110.19	-153.98	-93.743	***	-100
CMRRdB@5VB	(dB)	RAD000K	423	6	-141.91	6.7205	-152.6	-133.14	-162.07	-121.75	***	-100
		RAD003K		6	-141.49	8.3427	-152.72	-132.67	-166.52	-116.46	***	-100
		RAD010K		6	-140.55	7.5658	-152.12	-132.26	-163.25	-117.85	***	-100
		RAD030K		6	-132.81	5.503	-143.33	-127.74	-149.32	-116.3	***	-100
		RAD040K		6	-130.49	3.9707	-135.83	-126.63	-142.41	-118.58	***	-100
		RAD050K		6	-132.22	7.3461	-146.34	-126.07	-154.26	-110.18	***	-100
gain2kdb@2p7(A)	(dB)	RAD000K	503	6	-135.77	8.1169	-148.45	-126.17	-160.12	-111.42	***	-90
		RAD003K		6	-133.41	6.0118	-139.78	-125.64	-151.44	-115.37	***	-90
		RAD010K		6	-132.95	10.862	-147.38	-115.72	-165.54	-100.36	***	-90
		RAD030K		6	-136.2	6.33	-142.89	-126.38	-155.19	-117.21	***	-90
		RAD040K		6	-134.52	9.7796	-147.79	-119.34	-163.86	-105.18	***	-90
		RAD050K		6	-130.11	13.06	-154.62	-118.3	-169.29	-90.933	***	-90
gain2kdb@2p7(B)	(dB)	RAD000K	507	6	-140.79	11.094	-154.75	-130.42	-174.08	-107.51	***	-90
		RAD003K		6	-145.64	13.941	-159.74	-127.34	-187.46	-103.82	***	-90
		RAD010K		6	-140.29	5.9011	-148.73	-133.96	-158	-122.59	***	-90
		RAD030K		6	-139.66	8.6273	-148.49	-126.06	-165.54	-113.78	***	-90
		RAD040K		6	-141.08	10.45	-155.76	-129.62	-172.43	-109.73	***	-90
		RAD050K		6	-133.48	5.1394	-140.6	-125.55	-148.9	-118.07	***	-90
gain2kdb@5p0A	(dB)	RAD000K	519	6	-129.22	9.0138	-145.87	-121.6	-156.27	-102.18	***	-95
		RAD003K		6	-126.47	4.5368	-132.21	-122.21	-140.08	-112.86	***	-95
		RAD010K		6	-129.74	8.7577	-146.13	-122.3	-156.02	-103.47	***	-95
		RAD030K		6	-128.24	6.9367	-140.73	-122.13	-149.05	-107.43	***	-95
		RAD040K		6	-127.13	5.0796	-133.87	-121.15	-142.37	-111.89	***	-95
		RAD050K		6	-128	7.5417	-139.21	-120.25	-150.62	-105.37	***	-95
gain2kdb@5p0B	(dB)	RAD000K	523	6	-143.38	9.3961	-156.2	-131.45	-171.57	-115.2	***	-95
		RAD003K		6	-139.52	5.4573	-144.21	-129.65	-155.89	-123.15	***	-95
		RAD010K		6	-140.77	7.1897	-148.13	-128.94	-162.34	-119.2	***	-95
		RAD030K		6	-141.53	9.534	-152.29	-127.22	-170.14	-112.93	***	-95
		RAD040K		6	-141.54	10.034	-155.62	-127.03	-171.64	-111.44	***	-95
		RAD050K		6	-140.62	9.636	-152.24	-126.42	-169.53	-111.72	***	-95
gain10kdb@2p7A	(dB)	RAD000K	535	6	-136.93	6.6281	-148.84	-131.26	-156.81	-117.05	***	-95
		RAD003K		6	-138.27	5.836	-146.41	-131.17	-155.78	-120.77	***	-95
		RAD010K		6	-136.66	7.05	-147.31	-125.42	-157.81	-115.51	***	-95
		RAD030K		6	-139.61	7.1367	-150.27	-129.34	-161.02	-118.2	***	-95
		RAD040K		6	-135.22	5.9187	-145.56	-127.42	-152.97	-117.46	***	-95
		RAD050K		6	-139.64	6.4491	-148.83	-130.75	-158.99	-120.3	***	-95
gain10kdb@2p7B	(dB)	RAD000K	539	6	-143.31	5.547	-154.48	-139.89	-159.95	-126.67	***	-95
		RAD003K		6	-140.52	6.2181	-147.76	-131.39	-159.17	-121.86	***	-95
		RAD010K		6	-143.58	7.5658	-157.99	-137.47	-166.28	-120.89	***	-95
		RAD030K		6	-142.48	8.5711	-157.01	-132.6	-168.19	-116.77	***	-95
		RAD040K		6	-142.31	8.3001	-157.38	-133.61	-167.21	-117.41	***	-95
		RAD050K		6	-139.79	8.4847	-152.93	-128.51	-165.24	-114.33	***	-95
gain10kdb@5p0A	(dB)	RAD000K	551	6	-140.05	3.8266	-145.87	-137.13	-151.53	-128.57	***	-105
		RAD003K		6	-140.37	3.7372	-145.47	-134.84	-151.58	-129.16	***	-105
		RAD010K		6	-139.57	6.9582	-147.02	-127.35	-160.44	-118.69	***	-105
		RAD030K		6	-144.68	6.8797	-156.65	-135.97	-165.32	-124.04	***	-105
		RAD040K		6	-144.63	4.3507	-152.15	-139.63	-157.69	-131.58	***	-105
		RAD050K		6	-140.02	7.8162	-153.85	-131.89	-163.47	-116.57	***	-105
gain10kdb@5p0B	(dB)	RAD000K	555	6	-142.18	3.2175	-145.11	-137.45	-151.83	-132.53	***	-105
		RAD003K		6	-144.18	7.2351	-155.22	-135.35	-165.89	-122.47	***	-105
		RAD010K		6	-141.77	4.4239	-148.03	-137.42	-155.05	-128.5	***	-105
		RAD030K		6	-141.44	5.5434	-150.48	-135.06	-158.07	-124.81	***	-105
		RAD040K		6	-140.91	1.9472	-143.26	-138.63	-146.75	-135.06	***	-105
		RAD050K		6	-143.16	5.4664	-148.82	-134.73	-159.56	-126.76	***	-105

Test Name	Units	Id/	Test#	Count	Avg	Sigma	Min	Max	-3Sigma	+3Sigma	LTL	UTL
pswing2k@2p7A	(mV)	RAD000K	600	6	-52.804	1.0401	-53.876	-51.223	-55.924	-49.684	-85	0
		RAD003K		6	-52.663	0.96635	-53.784	-51.155	-55.562	-49.764	-85	0
		RAD010K		6	-52.583	0.94323	-53.702	-51.07	-55.413	-49.754	-85	0
		RAD030K		6	-53.005	0.90963	-54.124	-51.615	-55.733	-50.276	-85	0
		RAD040K		6	-53.094	1.0871	-54.421	-51.568	-56.356	-49.833	-85	0
		RAD050K		6	-53.934	0.93675	-54.81	-52.545	-56.744	-51.123	-85	0
pswing2k@2p7B	(mV)	RAD000K	601	6	-52.998	0.73811	-53.826	-51.967	-55.213	-50.784	-85	0
		RAD003K		6	-52.74	0.63838	-53.506	-51.857	-54.655	-50.825	-85	0
		RAD010K		6	-52.637	0.65433	-53.508	-51.844	-54.6	-50.674	-85	0
		RAD030K		6	-53.118	0.6452	-53.813	-52.398	-55.054	-51.183	-85	0
		RAD040K		6	-53.301	0.78754	-54.237	-52.259	-55.663	-50.938	-85	0
		RAD050K		6	-54.361	0.89617	-55.499	-53.228	-57.05	-51.673	-85	0
pswing2k@5p0A	(mV)	RAD000K	604	6	-86.578	1.5289	-88.389	-84.453	-91.165	-81.991	-125	0
		RAD003K		6	-86.537	1.5711	-88.454	-84.359	-91.25	-81.824	-125	0
		RAD010K		6	-86.358	1.4834	-88.221	-84.265	-90.808	-81.907	-125	0
		RAD030K		6	-87.042	1.5065	-88.882	-85.135	-91.562	-82.522	-125	0
		RAD040K		6	-87.619	1.7231	-89.702	-85.727	-92.788	-82.45	-125	0
		RAD050K		6	-89.799	1.4176	-91.348	-88.073	-94.052	-85.546	-125	0
pswing2k@5p0B	(mV)	RAD000K	605	6	-86.661	1.185	-88.057	-85.226	-90.217	-83.106	-125	0
		RAD003K		6	-86.369	1.3945	-88.116	-84.725	-90.553	-82.185	-125	0
		RAD010K		6	-86.167	1.4235	-87.828	-84.321	-90.437	-81.896	-125	0
		RAD030K		6	-87.033	1.5072	-89.071	-84.958	-91.555	-82.511	-125	0
		RAD040K		6	-87.878	1.8556	-90.586	-85.073	-93.445	-82.311	-125	0
		RAD050K		6	-90.32	1.8022	-92.912	-87.802	-95.727	-84.914	-125	0
pswing10k@2p7A	(mV)	RAD000K	608	6	-19.308	0.59966	-20.118	-18.36	-21.107	-17.509	-60	0
		RAD003K		6	-19.033	0.52173	-19.542	-18.188	-20.598	-17.468	-60	0
		RAD010K		6	-19.001	0.50966	-19.556	-18.225	-20.53	-17.472	-60	0
		RAD030K		6	-19.464	0.41163	-19.845	-18.777	-20.699	-18.229	-60	0
		RAD040K		6	-19.686	0.55226	-20.458	-18.963	-21.343	-18.029	-60	0
		RAD050K		6	-20.495	0.5675	-21.483	-19.874	-22.197	-18.792	-60	0
pswing10k@2p7B	(mV)	RAD000K	609	6	-19.739	0.61098	-20.811	-19.155	-21.572	-17.906	-60	0
		RAD003K		6	-19.455	0.32508	-19.743	-18.946	-20.431	-18.48	-60	0
		RAD010K		6	-19.415	0.38616	-19.836	-18.933	-20.573	-18.256	-60	0
		RAD030K		6	-19.903	0.23367	-20.29	-19.681	-20.604	-19.202	-60	0
		RAD040K		6	-20.193	0.31574	-20.577	-19.763	-21.141	-19.246	-60	0
		RAD050K		6	-21.173	0.48112	-21.843	-20.651	-22.616	-19.729	-60	0
pswing10k@5p0A	(mV)	RAD000K	612	6	-25.613	0.64784	-26.466	-24.646	-27.557	-23.67	-80	0
		RAD003K		6	-25.416	0.5484	-25.939	-24.605	-27.061	-23.771	-80	0
		RAD010K		6	-25.343	0.51974	-25.995	-24.59	-26.902	-23.783	-80	0
		RAD030K		6	-26.08	0.46571	-26.61	-25.375	-27.477	-24.683	-80	0
		RAD040K		6	-27.036	0.76926	-28.019	-26.145	-29.344	-24.729	-80	0
		RAD050K		6	-29.027	0.77258	-30.28	-28.437	-31.345	-26.709	-80	0
pswing10k@5p0B	(mV)	RAD000K	613	6	-26.092	0.53093	-27.01	-25.549	-27.684	-24.499	-80	0
		RAD003K		6	-25.855	0.3051	-26.197	-25.341	-26.771	-24.94	-80	0
		RAD010K		6	-25.788	0.37582	-26.283	-25.292	-26.915	-24.66	-80	0
		RAD030K		6	-26.606	0.28315	-26.918	-26.272	-27.455	-25.756	-80	0
		RAD040K		6	-27.797	0.8349	-28.706	-26.603	-30.301	-25.292	-80	0
		RAD050K		6	-29.952	0.90347	-31.091	-28.929	-32.662	-27.242	-80	0
nswing2k@2p7A	(mV)	RAD000K	616	6	37.232	0.29809	36.896	37.759	36.338	38.127	0	85
		RAD003K		6	37.624	0.42069	37.092	38.2	36.361	38.886	0	85
		RAD010K		6	37.711	0.86418	37.238	39.453	35.119	40.304	0	85
		RAD030K		6	38.12	1.1185	37.125	40.252	34.765	41.476	0	85
		RAD040K		6	38.175	1.0021	37.44	40.127	35.169	41.182	0	85
		RAD050K		6	38.672	0.67357	38.09	39.632	36.651	40.693	0	85
nswing2k@2p7B	(mV)	RAD000K	617	6	44	0.4924	43.303	44.691	42.523	45.478	0	85
		RAD003K		6	44.305	0.44135	43.504	44.752	42.981	45.629	0	85
		RAD010K		6	44.366	0.69786	43.648	45.602	42.272	46.459	0	85
		RAD030K		6	44.97	1.0826	43.679	46.922	41.723	48.218	0	85
		RAD040K		6	45.243	1.1883	43.784	47.388	41.678	48.807	0	85
		RAD050K		6	46.223	0.96847	44.949	47.47	43.318	49.128	0	85

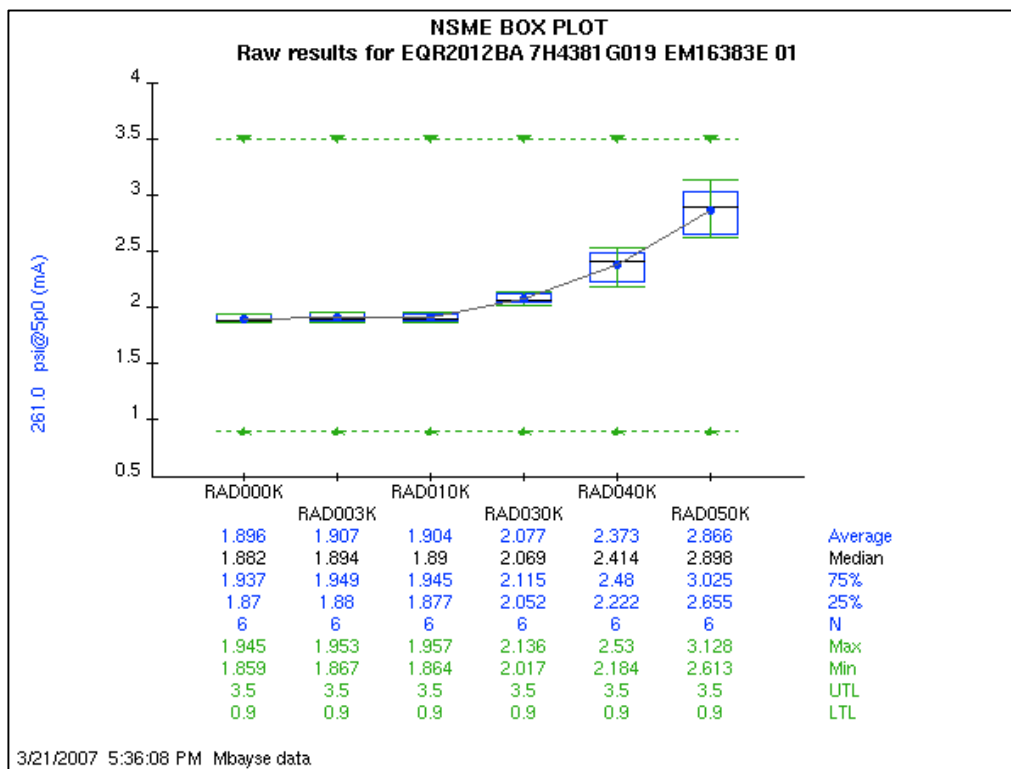
Test Name	Units	Id/	Test#	Count	Avg	Sigma	Min	Max	-3Sigma	+3Sigma	LTL	UTL
nswing2k@5p0A	(mV)	RAD000K	620	6	58.011	0.3635	57.692	58.68	56.92	59.101	0	125
		RAD003K		6	58.632	0.62632	57.976	59.541	56.753	60.511	0	125
		RAD010K		6	58.708	1.2849	57.858	61.301	54.853	62.563	0	125
		RAD030K		6	59.251	1.5185	58.045	62.146	54.695	63.807	0	125
		RAD040K		6	59.625	1.3233	58.52	62.182	55.655	63.595	0	125
		RAD050K		6	60.791	0.94265	59.884	62.212	57.963	63.619	0	125
nswing2k@5p0B	(mV)	RAD000K	621	6	66.821	0.53368	66.102	67.714	65.22	68.423	0	125
		RAD003K		6	67.245	0.49906	66.432	67.848	65.747	68.742	0	125
		RAD010K		6	67.271	0.81756	66.536	68.776	64.818	69.723	0	125
		RAD030K		6	68.22	1.5097	66.645	71.086	63.691	72.749	0	125
		RAD040K		6	69.212	1.6861	67.026	72.063	64.153	74.27	0	125
		RAD050K		6	71.31	1.4413	69.534	73.246	66.986	75.634	0	125
nswing10k@2p7A	(mV)	RAD000K	624	6	16.498	0.39873	15.944	16.917	15.302	17.694	0	60
		RAD003K		6	16.693	0.38211	16.071	17.027	15.547	17.839	0	60
		RAD010K		6	16.769	0.61238	16.208	17.869	14.931	18.606	0	60
		RAD030K		6	17.233	0.86976	16.207	18.775	14.624	19.842	0	60
		RAD040K		6	17.442	0.90333	16.418	19.107	14.732	20.152	0	60
		RAD050K		6	18.004	0.64106	17.189	18.771	16.081	19.928	0	60
nswing10k@2p7B	(mV)	RAD000K	625	6	21.836	0.68349	21	22.753	19.786	23.886	0	60
		RAD003K		6	22.047	0.63276	21.164	22.892	20.149	23.945	0	60
		RAD010K		6	22.117	0.80247	21.299	23.231	19.71	24.525	0	60
		RAD030K		6	22.763	0.9365	21.431	24.066	19.953	25.572	0	60
		RAD040K		6	23.151	1.1138	21.661	25.027	19.809	26.492	0	60
		RAD050K		6	24.16	0.9349	22.727	25.181	21.355	26.964	0	60
nswing10k@5p0A	(mV)	RAD000K	628	6	21.597	0.38756	21.061	22.077	20.434	22.76	0	80
		RAD003K		6	21.826	0.40012	21.177	22.21	20.626	23.027	0	80
		RAD010K		6	21.93	0.69267	21.364	23.241	19.852	24.008	0	80
		RAD030K		6	22.567	1.0215	21.411	24.443	19.503	25.632	0	80
		RAD040K		6	23.229	1.0415	21.952	25.119	20.104	26.353	0	80
		RAD050K		6	24.451	0.82482	23.443	25.543	21.976	26.925	0	80
nswing10k@5p0B	(mV)	RAD000K	629	6	27.602	0.66515	26.747	28.434	25.606	29.597	0	80
		RAD003K		6	27.817	0.61998	26.9	28.556	25.957	29.677	0	80
		RAD010K		6	27.905	0.81747	27.056	29.123	25.453	30.357	0	80
		RAD030K		6	28.88	1.0785	27.341	30.583	25.645	32.116	0	80
		RAD040K		6	30.12	1.4118	27.966	32.326	25.884	34.355	0	80
		RAD050K		6	32.205	1.3071	30.236	33.522	28.283	36.126	0	80
isrc@2p7A	(mA)	RAD000K	700	6	11.748	0.50054	10.945	12.272	10.246	13.249	5	60
		RAD003K		6	11.805	0.53186	10.969	12.384	10.209	13.4	5	60
		RAD010K		6	11.842	0.5351	11.047	12.454	10.237	13.447	5	60
		RAD030K		6	11.889	0.56703	11	12.612	10.188	13.59	5	60
		RAD040K		6	11.859	0.56288	11.002	12.606	10.171	13.548	5	60
		RAD050K		6	11.893	0.57797	11.051	12.711	10.159	13.627	5	60
isrc@2p7B	(mA)	RAD000K	701	6	11.92	0.60465	11.184	12.658	10.106	13.734	5	60
		RAD003K		6	11.976	0.60503	11.231	12.727	10.161	13.791	5	60
		RAD010K		6	12.014	0.60674	11.274	12.786	10.194	13.834	5	60
		RAD030K		6	12.059	0.64427	11.279	12.901	10.126	13.992	5	60
		RAD040K		6	12.042	0.67292	11.178	12.92	10.023	14.061	5	60
		RAD050K		6	12.055	0.70909	11.149	13.003	9.9272	14.182	5	60
isrc@5p0A	(mA)	RAD000K	704	6	14.578	0.68395	13.47	15.214	12.526	16.63	8	60
		RAD003K		6	14.63	0.71866	13.474	15.329	12.474	16.786	8	60
		RAD010K		6	14.676	0.72544	13.561	15.411	12.5	16.853	8	60
		RAD030K		6	14.734	0.76146	13.499	15.601	12.45	17.019	8	60
		RAD040K		6	14.698	0.75032	13.519	15.593	12.447	16.949	8	60
		RAD050K		6	14.742	0.77367	13.573	15.73	12.421	17.063	8	60
isrc@5p0B	(mA)	RAD000K	705	6	14.775	0.86594	13.704	15.879	12.177	17.373	8	60
		RAD003K		6	14.824	0.86313	13.745	15.936	12.234	17.413	8	60
		RAD010K		6	14.869	0.87118	13.783	16.017	12.255	17.482	8	60
		RAD030K		6	14.917	0.9158	13.772	16.151	12.17	17.665	8	60
		RAD040K		6	14.906	0.94231	13.666	16.196	12.079	17.733	8	60
		RAD050K		6	14.917	0.98188	13.626	16.281	11.972	17.863	8	60

Test Name	Units	Id/	Test#	Count	Avg	Sigma	Min	Max	-3Sigma	+3Sigma	LTL	UTL
isnk@2p7A	(mA)	RAD000K	708	6	-17.895	0.76173	-18.87	-17.158	-20.18	-15.609	-60	-5
		RAD003K		6	-17.81	0.79727	-18.811	-17.024	-20.201	-15.418	-60	-5
		RAD010K		6	-17.775	0.83288	-18.864	-16.952	-20.273	-15.276	-60	-5
		RAD030K		6	-17.546	0.80923	-18.627	-16.681	-19.974	-15.119	-60	-5
		RAD040K		6	-17.421	0.72109	-18.364	-16.639	-19.584	-15.258	-60	-5
		RAD050K		6	-17.295	0.67322	-18.156	-16.591	-19.315	-15.276	-60	-5
isnk@2p7B	(mA)	RAD000K	709	6	-18.031	1.2778	-19.371	-16.558	-21.865	-14.198	-60	-5
		RAD003K		6	-17.982	1.2699	-19.338	-16.484	-21.792	-14.172	-60	-5
		RAD010K		6	-17.967	1.3278	-19.316	-16.42	-21.95	-13.984	-60	-5
		RAD030K		6	-17.821	1.3079	-19.341	-16.339	-21.745	-13.897	-60	-5
		RAD040K		6	-17.733	1.2964	-19.285	-16.234	-21.622	-13.844	-60	-5
		RAD050K		6	-17.587	1.4075	-19.291	-15.908	-21.809	-13.365	-60	-5
isnk@5p0A	(mA)	RAD000K	712	6	-17.338	0.7079	-18.394	-16.697	-19.462	-15.214	-60	-8
		RAD003K		6	-17.242	0.7347	-18.308	-16.55	-19.446	-15.038	-60	-8
		RAD010K		6	-17.192	0.77855	-18.35	-16.46	-19.527	-14.856	-60	-8
		RAD030K		6	-16.92	0.73654	-18.047	-16.133	-19.129	-14.71	-60	-8
		RAD040K		6	-16.775	0.65054	-17.78	-16.073	-18.727	-14.824	-60	-8
		RAD050K		6	-16.64	0.59638	-17.547	-16.029	-18.429	-14.851	-60	-8
isnk@5p0B	(mA)	RAD000K	713	6	-17.45	1.2144	-18.664	-16.052	-21.093	-13.807	-60	-8
		RAD003K		6	-17.395	1.2045	-18.62	-15.972	-21.009	-13.782	-60	-8
		RAD010K		6	-17.371	1.2595	-18.605	-15.9	-21.15	-13.592	-60	-8
		RAD030K		6	-17.183	1.2321	-18.558	-15.767	-20.879	-13.487	-60	-8
		RAD040K		6	-17.08	1.2141	-18.469	-15.639	-20.722	-13.437	-60	-8
		RAD050K		6	-16.908	1.3199	-18.436	-15.31	-20.868	-12.949	-60	-8
Vos_caltime@5p0VA	(ms)	RAD000K	800	6	1.2842	0.59298	0.694	2.122	-0.49478	3.0631	0	5
		RAD003K		6	1.2517	0.60434	0.646	2.094	-0.56136	3.0647	0	5
		RAD010K		6	1.2423	0.60582	0.742	2.052	-0.57514	3.0598	0	5
		RAD030K		6	0.94683	0.44147	0.603	1.541	-0.37758	2.2712	0	5
		RAD040K		6	1.0167	0.44896	0.514	1.585	-0.3302	2.3635	0	5
		RAD050K		6	1.0995	0.49	0.438	1.751	-0.37049	2.5695	0	5
Vos_caltime@5p0VB	(ms)	RAD000K	801	6	1.009	0.70053	0.288	1.905	-1.0926	3.1106	0	5
		RAD003K		6	0.9775	0.67706	0.283	1.849	-1.0537	3.0087	0	5
		RAD010K		6	0.97183	0.6718	0.342	1.889	-1.0436	2.9872	0	5
		RAD030K		6	0.81167	0.55283	0.246	1.521	-0.84682	2.4702	0	5
		RAD040K		6	0.82633	0.51818	0.243	1.492	-0.72819	2.3809	0	5
		RAD050K		6	0.92567	0.58554	0.329	1.626	-0.83096	2.6823	0	5

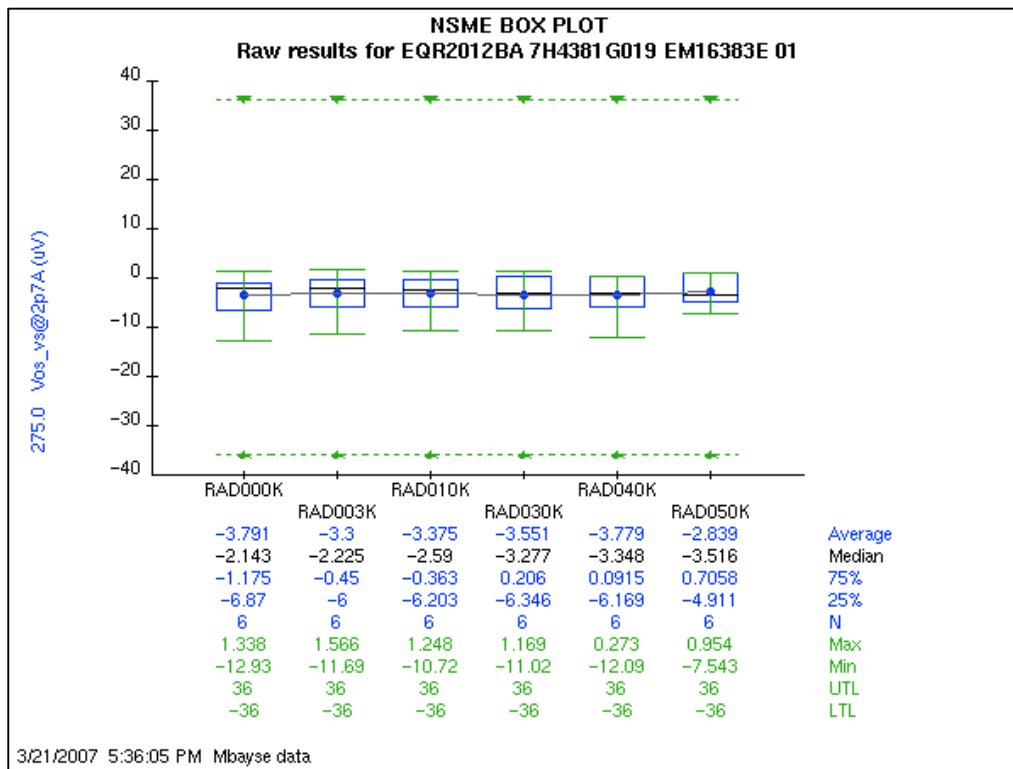
psi@2p7 (mA)



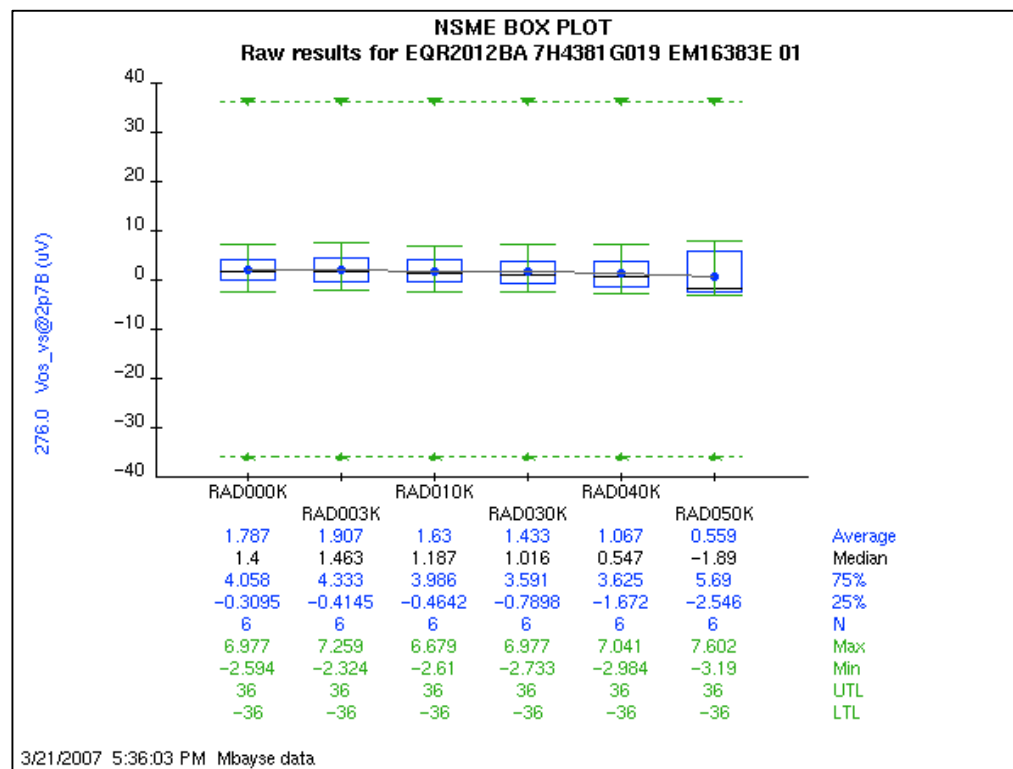
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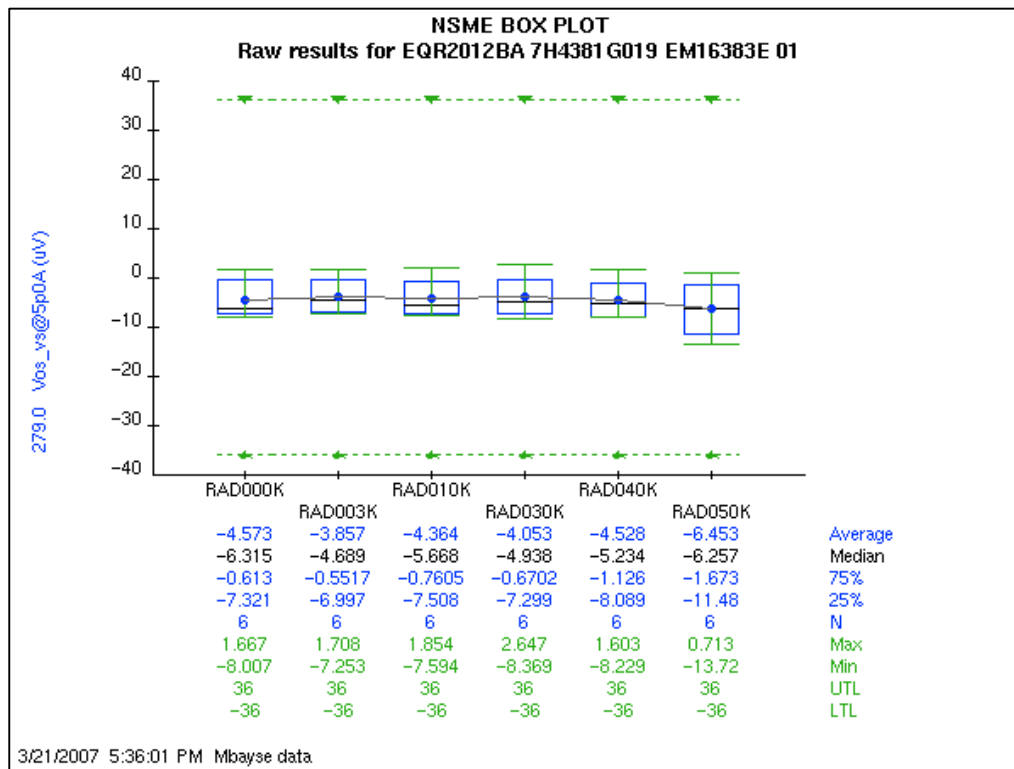
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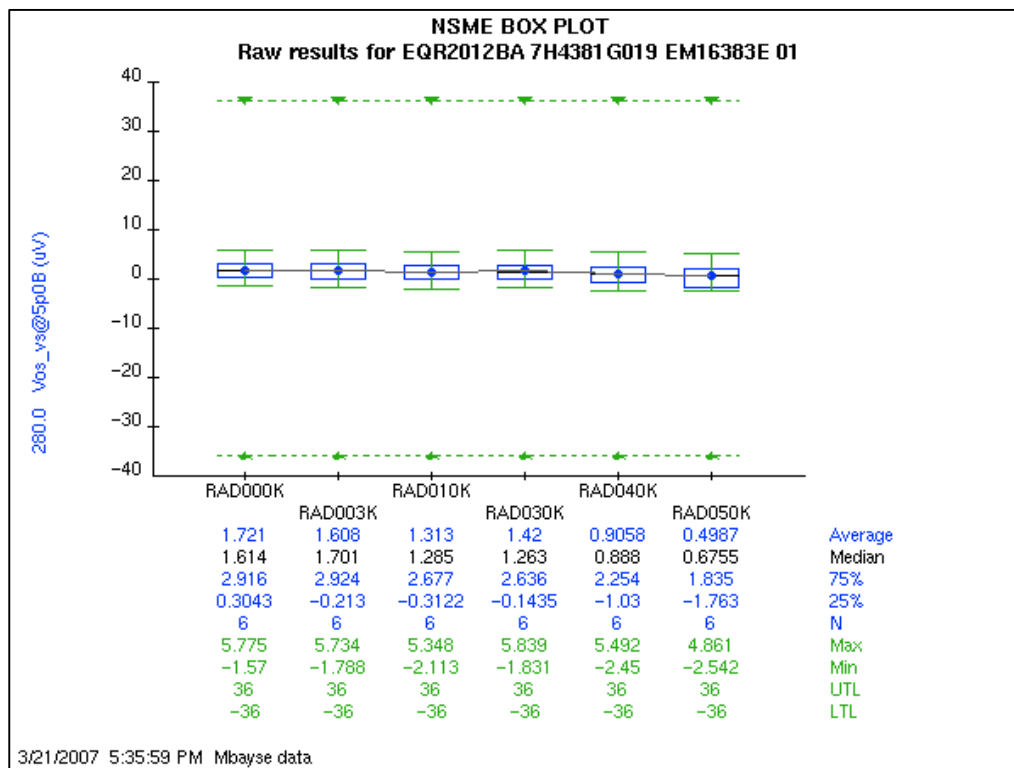
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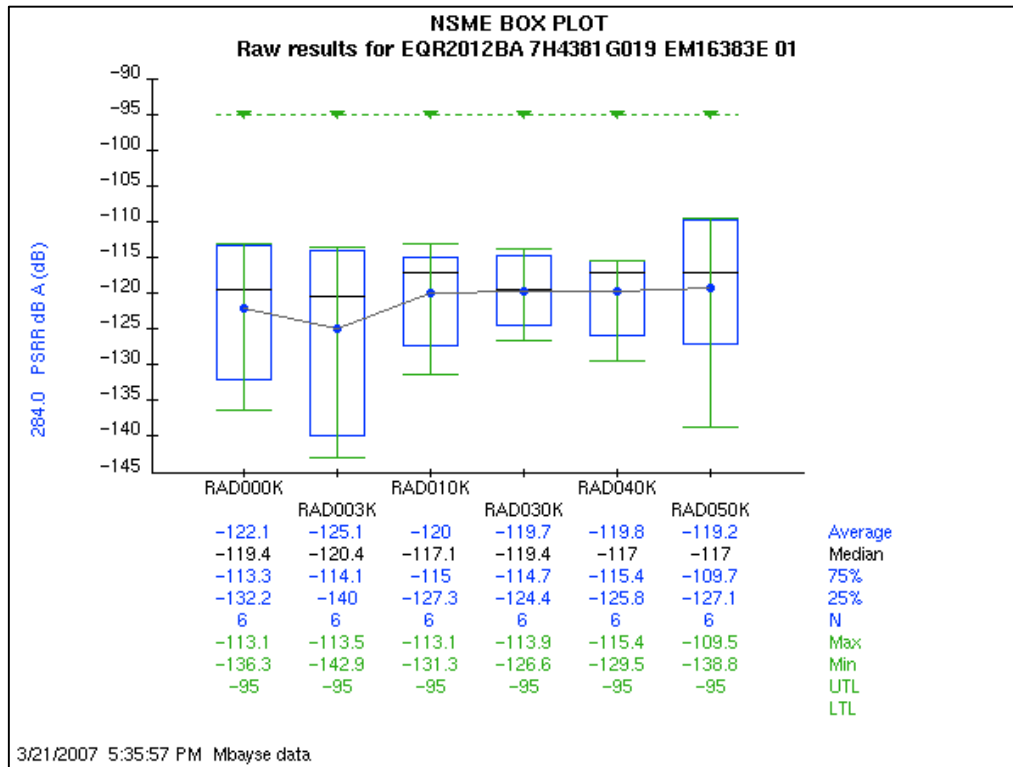
Vos_vs@5p0A (uV)



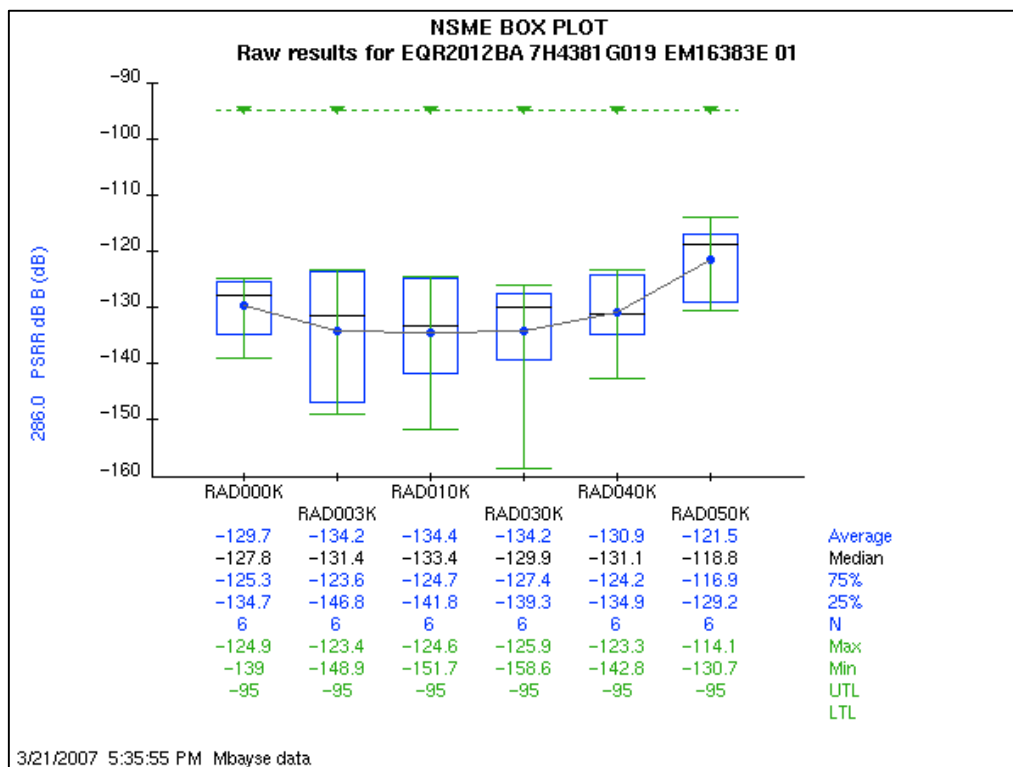
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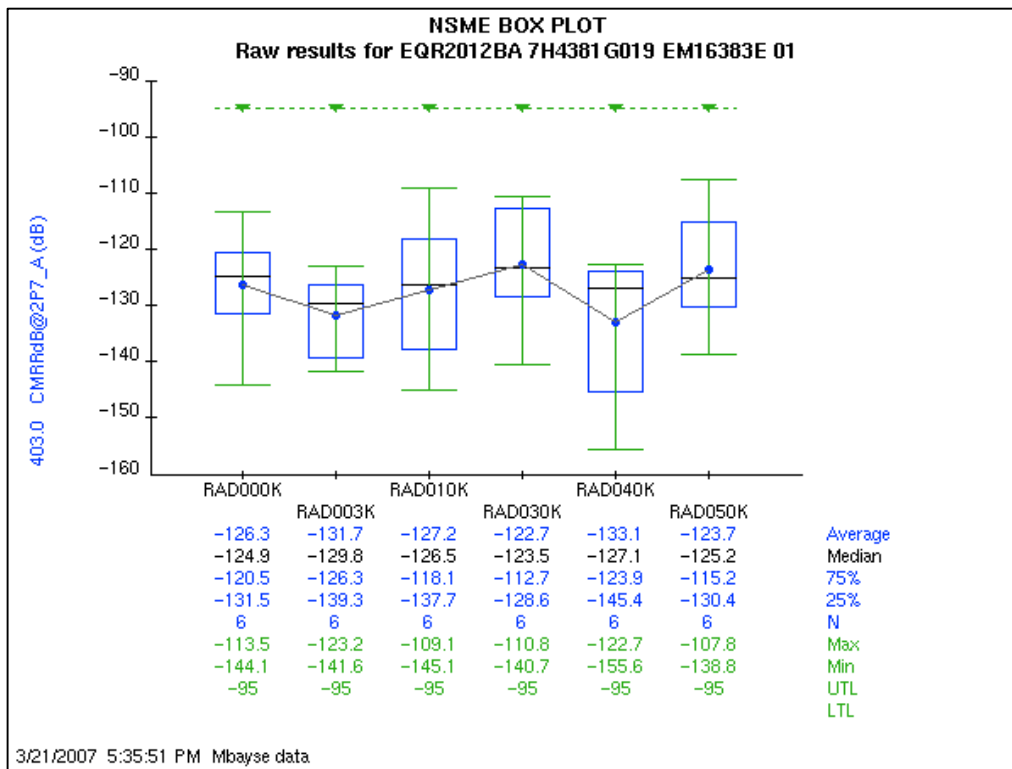
PSRR A (uVV)



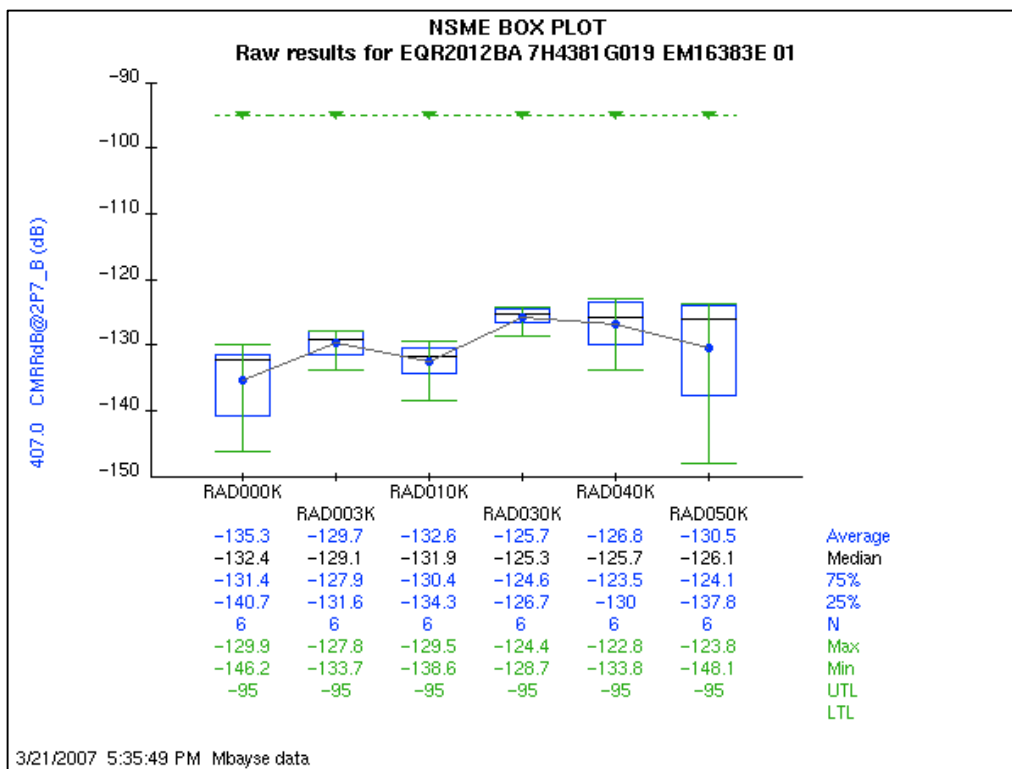
PSRR_B (uVV)



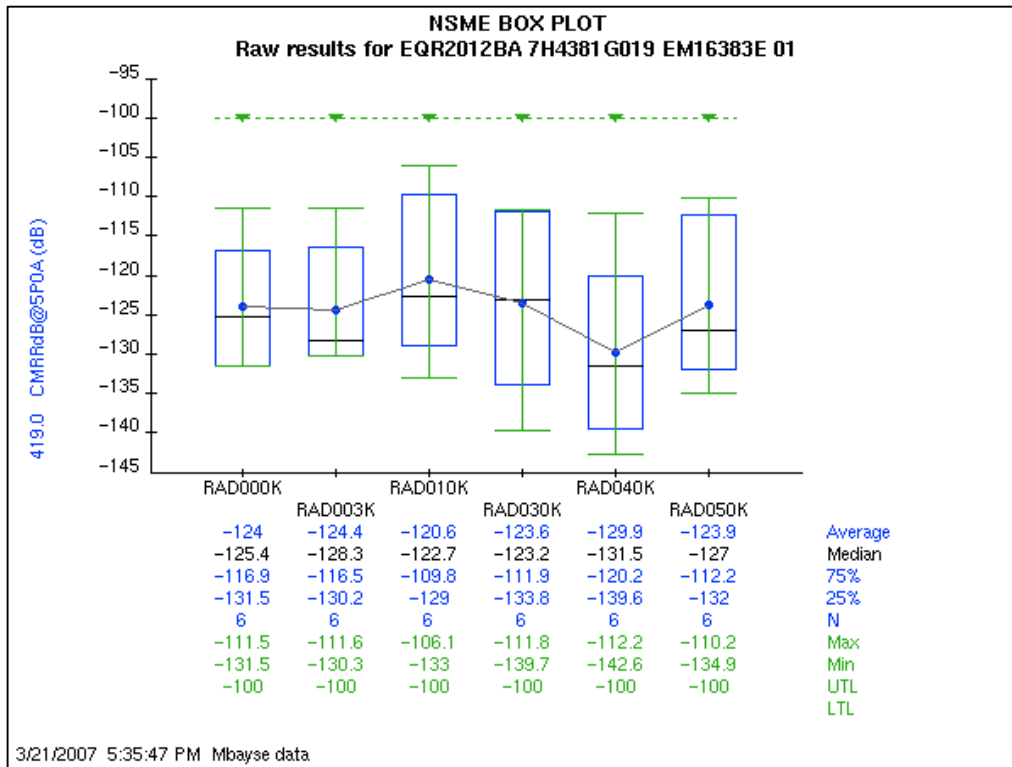
CMRR@2P7_A uVV



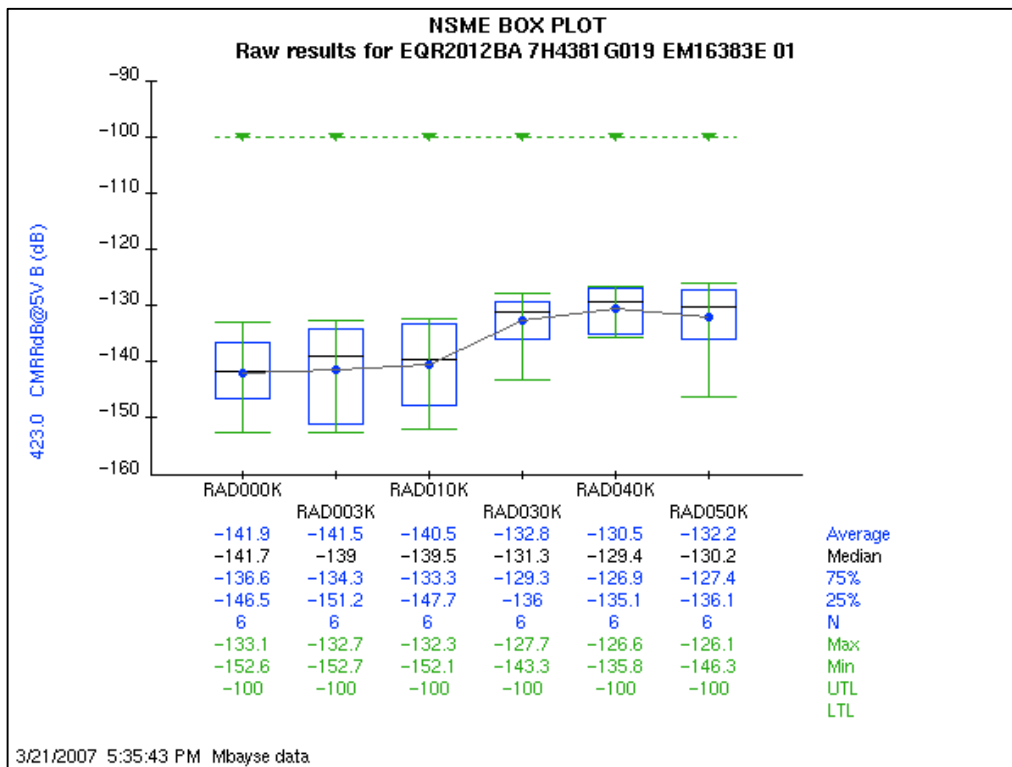
CMRR@2P7_B uVV



CMRR@5P0A uVV



CMRR@5PV B uVV



PROG RAM : EQR2012BA
LOT : 7H4381G019000
FINISH_TIME : 5-Mar-2007 08:48:54

OK RADS

Test#	Test Name	UNITS	LL	UL	Dev 3	Dev 4	Dev 5	Dev 6	Dev 7	Dev 8
260	psi@2p7	mA	0.9 :	3.5	1.782	1.841	1.841	1.759	1.791	1.788
261	psi@5p0	mA	0.9 :	3.5	1.873	1.945	1.935	1.859	1.886	1.878
275	Vos_vs@2p7A	uV	-36 :	36	-12.934	-2.248	-2.039	-4.848	1.338	-2.012
276	Vos_vs@2p7B	uV	-36 :	36	0.604	0.452	-2.594	3.085	2.197	6.977
279	Vos_vs@5p0A	uV	-36 :	36	-8.007	-6.322	-7.093	-6.307	1.667	-1.373
280	Vos_vs@5p0B	uV	-36 :	36	1.426	0.929	-1.57	1.802	1.963	5.775
284	PSRR dB A	dB	:	-95	-113.344	-114.986	-113.123	-123.816	-136.308	-130.815
286	PSRR dB B	dB	:	-95	-128.697	-133.258	-126.84	-124.919	-139.026	-125.47
403	CMRRdB@2P7_A	dB	:	-95	-125.824	-123.878	-122.825	-127.359	-144.107	-113.508
407	CMRRdB@2P7_B	dB	:	-95	-132.478	-131.885	-132.311	-138.845	-146.232	-129.931
419	CMRRdB@5P0A	dB	:	-100	-131.542	-118.728	-127.594	-111.52	-131.452	-123.135
423	CMRRdB@5V B	dB	:	-100	-133.139	-139.375	-144.434	-144.121	-152.597	-137.787
503	gain2kdB@2p7(A)	dB	:	-90	-126.168	-142.24	-133.095	-130.985	-133.655	-148.452
507	gain2kdB@2p7(B)	dB	:	-90	-133.198	-142.323	-130.42	-154.75	-153.215	-130.862
519	gain2kdB@5p0A	dB	:	-95	-121.604	-126.157	-122.118	-127.503	-132.098	-145.869
523	gain2kdB@5p0B	dB	:	-95	-140.028	-156.198	-150.914	-135.652	-146.061	-131.454
535	gain10kdB@2p7A	dB	:	-95	-148.837	-136.126	-139.96	-131.262	-132.943	-132.454
539	gain10kdB@2p7B	dB	:	-95	-140.547	-142.57	-139.892	-140.943	-141.422	-154.482
551	gain10kdB@5p0A	dB	:	-105	-137.868	-137.128	-138.338	-137.188	-143.908	-145.873
555	gain10kdB@5p0B	dB	:	-105	-144.553	-145.086	-141.024	-139.86	-145.113	-137.451
600	pswing2k@2p7A	mV	-85 :	0	-52.588	-51.223	-53.858	-53.163	-52.116	-53.876
601	pswing2k@2p7B	mV	-85 :	0	-52.312	-53.043	-53.826	-53.153	-51.967	-53.69
604	pswing2k@5p0A	mV	-125 :	0	-85.886	-84.453	-87.827	-87.411	-85.501	-88.389
605	pswing2k@5p0B	mV	-125 :	0	-85.512	-86.282	-87.048	-87.844	-85.226	-88.057
608	pswing10k@2p7A	mV	-60 :	0	-19.417	-18.36	-20.118	-19.271	-19.003	-19.678
609	pswing10k@2p7B	mV	-60 :	0	-19.456	-19.884	-20.811	-19.155	-19.237	-19.891
612	pswing10k@5p0A	mV	-80 :	0	-25.611	-24.646	-26.466	-25.684	-25.173	-26.1
613	pswing10k@5p0B	mV	-80 :	0	-25.716	-26.136	-27.01	-25.817	-25.549	-26.322
616	nswing2k@2p7A	mV	0 :	85	37.199	37.205	37.759	37.02	37.315	36.896
617	nswing2k@2p7B	mV	0 :	85	43.855	44.25	44.691	43.668	44.235	43.303
620	nswing2k@5p0A	mV	0 :	125	58.02	57.835	58.68	57.741	58.097	57.692
621	nswing2k@5p0B	mV	0 :	125	66.768	66.789	67.714	66.552	67.004	66.102
624	nswing10k@2p7A	mV	0 :	60	16.269	16.913	16.917	16.265	16.681	15.944
625	nswing10k@2p7B	mV	0 :	60	21.379	22.753	22.345	21.37	22.169	21
628	nswing10k@5p0A	mV	0 :	80	21.39	21.936	22.077	21.368	21.749	21.061
629	nswing10k@5p0B	mV	0 :	80	27.193	28.434	28.173	27.154	27.91	26.747
700	isrc@2p7A	mA	5 :	60	12.106	12.272	11.798	11.371	11.994	10.945
701	isrc@2p7B	mA	5 :	60	12.301	11.747	12.658	11.184	12.338	11.294
704	isrc@5p0A	mA	8 :	60	14.982	15.214	14.811	14.007	14.982	13.47
705	isrc@5p0B	mA	8 :	60	15.178	14.692	15.879	13.704	15.358	13.84
708	isnk@2p7A	mA	-60 :	-5	-18.87	-17.84	-17.492	-17.158	-18.784	-17.223
709	isnk@2p7B	mA	-60 :	-5	-16.558	-19.115	-18.932	-16.606	-19.371	-17.605
712	isnk@5p0A	mA	-60 :	-8	-18.394	-17.158	-16.853	-16.697	-18.046	-16.879
713	isnk@5p0B	mA	-60 :	-8	-16.052	-18.563	-18.256	-16.057	-18.664	-17.109
800	Vos_caltime@5p0VA	ms	0 :	5	0.953	0.929	1.937	0.694	2.122	1.07
801	Vos_caltime@5p0VB	ms	0 :	5	0.665	0.288	0.406	1.905	0.976	1.814

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Bin 1 Bin 1 Bin 1 Bin 1 Bin 1 Bin 1

PROG RAM : EQR2012BA
LOT : 7H4381G019003
FINISH_TIME : 5-Mar-2007 09:02:38

3K RADS

Test#	Test Name	UNITS	LL	UL	Dev 3	Dev 4	Dev 5	Dev 6	Dev 7	Dev 8
260	psi@2p7	mA	0.9 :	3.5	1.792	1.852	1.855	1.766	1.802	1.797
261	psi@5p0	mA	0.9 :	3.5	1.885	1.953	1.948	1.867	1.899	1.888
275	Vos_vs@2p7A	uV	-36 :	36	-11.69	-1.122	-2.063	-4.104	1.566	-2.388
276	Vos_vs@2p7B	uV	-36 :	36	0.88	0.222	-2.324	3.358	2.047	7.259
279	Vos_vs@5p0A	uV	-36 :	36	-7.253	-5.508	-6.912	-3.87	1.708	-1.305
280	Vos_vs@5p0B	uV	-36 :	36	1.535	0.312	-1.788	1.866	1.987	5.734
284	PSRR dB A	dB	:	-95	-114.247	-114.348	-113.482	-139.026	-142.895	-126.359
286	PSRR dB B	dB	:	-95	-130.602	-146.14	-132.28	-123.626	-148.895	-123.439
403	CMRRdB@2P7_A	dB	:	-95	-130.527	-129.111	-123.189	-127.304	-138.557	-141.615
407	CMRRdB@2P7_B	dB	:	-95	-127.802	-133.717	-129.179	-130.871	-127.965	-128.932
419	CMRRdB@5P0A	dB	:	-100	-130.289	-118.084	-127.689	-111.565	-128.891	-130.119
423	CMRRdB@5V B	dB	:	-100	-138.216	-132.668	-150.756	-152.72	-134.82	-139.76
503	gain2kdB@2p7(A)	dB	:	-90	-125.641	-139.777	-126.68	-133.879	-135.632	-138.829
507	gain2kdB@2p7(B)	dB	:	-90	-141.329	-157.734	-155.394	-159.737	-132.292	-127.341
519	gain2kdB@5p0A	dB	:	-95	-122.21	-126.819	-122.49	-123.443	-131.632	-132.214
523	gain2kdB@5p0B	dB	:	-95	-142.145	-144.212	-143.538	-137.148	-140.435	-129.651
535	gain10kdB@2p7A	dB	:	-95	-131.171	-139.454	-137.694	-146.409	-132.428	-142.488
539	gain10kdB@2p7B	dB	:	-95	-144.844	-131.386	-140.553	-143.502	-147.759	-135.052
551	gain10kdB@5p0A	dB	:	-105	-142.86	-137.994	-134.839	-139.721	-141.342	-145.472
555	gain10kdB@5p0B	dB	:	-105	-140.075	-145.856	-155.216	-135.351	-148.89	-139.692
600	pswing2k@2p7A	mV	-85 :	0	-52.873	-51.155	-52.165	-53.557	-52.446	-53.784
601	pswing2k@2p7B	mV	-85 :	0	-52.631	-53.021	-52.175	-53.251	-51.857	-53.506
604	pswing2k@5p0A	mV	-125 :	0	-86.47	-84.359	-85.492	-88.194	-86.253	-88.454
605	pswing2k@5p0B	mV	-125 :	0	-86.118	-86.302	-84.725	-88.116	-85.084	-87.869
608	pswing10k@2p7A	mV	-60 :	0	-19.542	-18.188	-18.845	-19.329	-18.802	-19.493
609	pswing10k@2p7B	mV	-60 :	0	-19.593	-19.743	-19.588	-19.159	-18.946	-19.704
612	pswing10k@5p0A	mV	-80 :	0	-25.792	-24.605	-25.076	-25.939	-25.166	-25.919
613	pswing10k@5p0B	mV	-80 :	0	-25.898	-26.055	-25.679	-25.962	-25.341	-26.197
616	nswing2k@2p7A	mV	0 :	85	37.423	37.311	37.751	37.964	38.2	37.092
617	nswing2k@2p7B	mV	0 :	85	44.168	44.402	44.752	44.385	44.618	43.504
620	nswing2k@5p0A	mV	0 :	125	58.321	57.976	58.755	59.143	59.541	58.056
621	nswing2k@5p0B	mV	0 :	125	67.198	66.968	67.848	67.499	67.523	66.432
624	nswing10k@2p7A	mV	0 :	60	16.389	17.027	16.883	16.787	17	16.071
625	nswing10k@2p7B	mV	0 :	60	21.552	22.892	22.364	21.891	22.419	21.164
628	nswing10k@5p0A	mV	0 :	80	21.493	22.039	22.038	22.001	22.21	21.177
629	nswing10k@5p0B	mV	0 :	80	27.345	28.556	28.201	27.695	28.204	26.9
700	isrc@2p7A	mA	5 :	60	12.164	12.384	11.871	11.379	12.061	10.969
701	isrc@2p7B	mA	5 :	60	12.36	11.804	12.727	11.231	12.371	11.361
704	isrc@5p0A	mA	8 :	60	15.024	15.329	14.869	14.027	15.056	13.474
705	isrc@5p0B	mA	8 :	60	15.218	14.754	15.936	13.745	15.386	13.903
708	isnk@2p7A	mA	-60 :	-5	-18.811	-17.833	-17.363	-17.024	-18.731	-17.096
709	isnk@2p7B	mA	-60 :	-5	-16.484	-19.121	-18.774	-16.61	-19.338	-17.565
712	isnk@5p0A	mA	-60 :	-8	-18.308	-17.141	-16.721	-16.55	-17.987	-16.745
713	isnk@5p0B	mA	-60 :	-8	-15.972	-18.559	-18.096	-16.065	-18.62	-17.059
800	Vos_caltime@5p0VA	ms	0 :	5	0.928	0.879	1.929	0.646	2.094	1.034
801	Vos_caltime@5p0VB	ms	0 :	5	0.612	0.283	0.408	1.849	0.966	1.747

PROG RAM : EQR2012BA
LOT : 7H4381G019010
FINISH_TIME : 5-Mar-2007 09:14:46

10K RADS

Test#	Test Name	UNITS	LL	UL	Dev 3	Dev 4	Dev 5	Dev 6	Dev 7	Dev 8
260	psi@2p7	mA	0.9 :	3.5	1.796	1.857	1.848	1.767	1.8	1.792
261	psi@5p0	mA	0.9 :	3.5	1.882	1.957	1.941	1.864	1.897	1.883
275	Vos_vs@2p7A	uV	-36 :	36	-10.718	-0.9	-2.407	-4.698	1.248	-2.772
276	Vos_vs@2p7B	uV	-36 :	36	0.481	0.251	-2.61	3.089	1.893	6.679
279	Vos_vs@5p0A	uV	-36 :	36	-6.928	-4.408	-7.479	-7.594	1.854	-1.632
280	Vos_vs@5p0B	uV	-36 :	36	0.925	0.288	-2.113	1.786	1.644	5.348
284	PSRR dB A	dB	:	-95	-115.61	-116.276	-113.091	-117.93	-131.258	-125.918
286	PSRR dB B	dB	:	-95	-133.85	-151.672	-132.908	-124.784	-138.553	-124.597
403	CMRRdB@2P7_A	dB	:	-95	-109.089	-123.092	-121.135	-129.829	-145.083	-135.256
407	CMRRdB@2P7_B	dB	:	-95	-130.645	-132.813	-132.58	-131.207	-138.593	-129.487
419	CMRRdB@5P0A	dB	:	-100	-106.05	-119.543	-125.953	-111.071	-127.709	-132.981
423	CMRRdB@5V B	dB	:	-100	-138.635	-132.261	-140.348	-152.121	-146.258	-133.671
503	gain2kdB@2p7(A)	dB	:	-90	-115.718	-141.223	-132.874	-131.233	-129.28	-147.376
507	gain2kdB@2p7(B)	dB	:	-90	-133.965	-138.644	-148.726	-145.566	-134.598	-140.258
519	gain2kdB@5p0A	dB	:	-95	-123.137	-126.144	-122.298	-146.128	-131.425	-129.328
523	gain2kdB@5p0B	dB	:	-95	-139.756	-141.902	-148.129	-137.816	-148.069	-128.938
535	gain10kdB@2p7A	dB	:	-95	-125.417	-137.516	-137.185	-147.31	-134.346	-138.183
539	gain10kdB@2p7B	dB	:	-95	-137.47	-145.346	-157.992	-141.479	-140.634	-138.584
551	gain10kdB@5p0A	dB	:	-105	-127.347	-140.181	-136.86	-147.02	-141.261	-144.728
555	gain10kdB@5p0B	dB	:	-105	-146.333	-148.033	-141.394	-138.362	-139.1	-137.42
600	pswing2k@2p7A	mV	-85 :	0	-52.859	-51.07	-51.924	-53.188	-52.758	-53.702
601	pswing2k@2p7B	mV	-85 :	0	-52.571	-53.022	-51.844	-52.95	-51.928	-53.508
604	pswing2k@5p0A	mV	-125 :	0	-86.286	-84.265	-85.173	-87.666	-86.535	-88.221
605	pswing2k@5p0B	mV	-125 :	0	-85.893	-86.31	-84.321	-87.706	-84.942	-87.828
608	pswing10k@2p7A	mV	-60 :	0	-19.556	-18.225	-18.721	-19.087	-18.881	-19.538
609	pswing10k@2p7B	mV	-60 :	0	-19.576	-19.836	-19.371	-18.933	-18.995	-19.778
612	pswing10k@5p0A	mV	-80 :	0	-25.734	-24.59	-24.968	-25.56	-25.209	-25.995
613	pswing10k@5p0B	mV	-80 :	0	-25.82	-26.142	-25.511	-25.678	-25.292	-26.283
616	nswing2k@2p7A	mV	0 :	85	37.429	37.25	37.6	37.297	39.453	37.238
617	nswing2k@2p7B	mV	0 :	85	44.148	44.356	44.609	43.832	45.602	43.648
620	nswing2k@5p0A	mV	0 :	125	58.346	57.858	58.412	58.187	61.301	58.144
621	nswing2k@5p0B	mV	0 :	125	67.175	66.892	67.534	66.71	68.776	66.536
624	nswing10k@2p7A	mV	0 :	60	16.407	16.973	16.805	16.349	17.869	16.208
625	nswing10k@2p7B	mV	0 :	60	21.571	22.86	22.284	21.46	23.231	21.299
628	nswing10k@5p0A	mV	0 :	80	21.563	22	21.949	21.461	23.241	21.364
629	nswing10k@5p0B	mV	0 :	80	27.408	28.528	28.093	27.222	29.123	27.056
700	isrc@2p7A	mA	5 :	60	12.225	12.454	11.884	11.369	12.072	11.047
701	isrc@2p7B	mA	5 :	60	12.409	11.856	12.786	11.274	12.37	11.39
704	isrc@5p0A	mA	8 :	60	15.117	15.411	14.899	14.004	15.066	13.561
705	isrc@5p0B	mA	8 :	60	15.288	14.82	16.017	13.783	15.368	13.936
708	isnk@2p7A	mA	-60 :	-5	-18.864	-17.726	-17.246	-16.952	-18.728	-17.131
709	isnk@2p7B	mA	-60 :	-5	-16.42	-19.172	-18.853	-16.485	-19.316	-17.556
712	isnk@5p0A	mA	-60 :	-8	-18.35	-17.021	-16.586	-16.46	-17.957	-16.777
713	isnk@5p0B	mA	-60 :	-8	-15.9	-18.605	-18.157	-15.939	-18.583	-17.042
800	Vos_caltime@5p0VA	ms	0 :	5	0.942	0.807	1.984	0.742	2.052	0.927
801	Vos_caltime@5p0VB	ms	0 :	5	0.594	0.342	0.375	1.889	0.939	1.692

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Bin 1 Bin 1 Bin 1 Bin 1 Bin 1 Bin 1

PROG RAM : EQR2012BA
LOT : 7H4381G019030
FINISH_TIME : 5-Mar-2007 09:32:28

30K RADS

Test#	Test Name	UNITS	LL	UL	Dev 3	Dev 4	Dev 5	Dev 6	Dev 7	Dev 8
260	psi@2p7	mA	0.9 :	3.5	1.912	1.971	1.917	1.871	1.911	1.875
261	psi@5p0	mA	0.9 :	3.5	2.108	2.136	2.064	2.065	2.072	2.017
275	Vos_vs@2p7A	uV	-36 :	36	-11.018	-0.115	-3.728	-4.789	1.169	-2.826
276	Vos_vs@2p7B	uV	-36 :	36	0.725	-0.142	-2.733	2.462	1.307	6.977
279	Vos_vs@5p0A	uV	-36 :	36	-6.943	-3.128	-8.369	-6.747	2.647	-1.776
280	Vos_vs@5p0B	uV	-36 :	36	1.223	0.419	-1.831	1.568	1.303	5.839
284	PSRR dB A	dB	:	-95	-114.982	-117.589	-113.86	-121.294	-123.709	-126.621
286	PSRR dB B	dB	:	-95	-132.908	-131.905	-127.909	-127.987	-158.572	-125.933
403	CMRRdB@2P7_A	dB	:	-95	-124.524	-113.322	-110.782	-123.162	-123.776	-140.654
407	CMRRdB@2P7_B	dB	:	-95	-126.038	-125.361	-128.691	-124.649	-125.251	-124.386
419	CMRRdB@5P0A	dB	:	-100	-131.867	-117.491	-111.955	-111.761	-139.709	-128.945
423	CMRRdB@5V B	dB	:	-100	-127.737	-129.781	-143.331	-133.506	-130.746	-131.775
503	gain2kdB@2p7(A)	dB	:	-90	-126.382	-138.501	-142.892	-130.94	-141.208	-137.261
507	gain2kdB@2p7(B)	dB	:	-90	-142.766	-134.141	-138.602	-147.895	-148.494	-126.056
519	gain2kdB@5p0A	dB	:	-95	-122.495	-125.812	-122.133	-127.266	-140.725	-130.991
523	gain2kdB@5p0B	dB	:	-95	-139.732	-142.989	-152.295	-135.711	-151.258	-127.221
535	gain10kdB@2p7A	dB	:	-95	-150.272	-136.769	-136.333	-129.338	-142.2	-142.765
539	gain10kdB@2p7B	dB	:	-95	-157.014	-143.334	-145.468	-140.768	-135.704	-132.602
551	gain10kdB@5p0A	dB	:	-105	-145.721	-144.677	-140.628	-144.451	-135.966	-156.645
555	gain10kdB@5p0B	dB	:	-105	-150.48	-140.951	-145.133	-138.151	-138.888	-135.059
600	pswing2k@2p7A	mV	-85 :	0	-53.057	-51.615	-52.422	-53.786	-53.023	-54.124
601	pswing2k@2p7B	mV	-85 :	0	-52.803	-53.55	-52.398	-53.701	-52.444	-53.813
604	pswing2k@5p0A	mV	-125 :	0	-86.806	-85.135	-85.733	-88.641	-87.055	-88.882
605	pswing2k@5p0B	mV	-125 :	0	-86.556	-87.303	-84.958	-89.071	-86.021	-88.288
608	pswing10k@2p7A	mV	-60 :	0	-19.757	-18.777	-19.2	-19.737	-19.466	-19.845
609	pswing10k@2p7B	mV	-60 :	0	-19.817	-20.29	-19.899	-19.681	-19.687	-20.044
612	pswing10k@5p0A	mV	-80 :	0	-26.343	-25.375	-25.721	-26.61	-26.027	-26.405
613	pswing10k@5p0B	mV	-80 :	0	-26.609	-26.89	-26.278	-26.918	-26.272	-26.667
616	nswing2k@2p7A	mV	0 :	85	37.535	37.554	37.96	40.252	38.297	37.125
617	nswing2k@2p7B	mV	0 :	85	44.38	44.809	45.063	46.922	44.969	43.679
620	nswing2k@5p0A	mV	0 :	125	58.518	58.262	58.969	62.146	59.566	58.045
621	nswing2k@5p0B	mV	0 :	125	67.737	67.556	68.237	71.086	68.058	66.645
624	nswing10k@2p7A	mV	0 :	60	16.65	17.292	17.172	18.775	17.303	16.207
625	nswing10k@2p7B	mV	0 :	60	22.014	23.325	22.787	24.066	22.952	21.431
628	nswing10k@5p0A	mV	0 :	80	21.988	22.49	22.439	24.443	22.633	21.411
629	nswing10k@5p0B	mV	0 :	80	28.271	29.282	28.819	30.583	28.986	27.341
700	isrc@2p7A	mA	5 :	60	12.218	12.612	12.001	11.491	12.013	11
701	isrc@2p7B	mA	5 :	60	12.449	11.809	12.901	11.279	12.47	11.447
704	isrc@5p0A	mA	8 :	60	15.087	15.601	15.042	14.164	15.013	13.499
705	isrc@5p0B	mA	8 :	60	15.32	14.757	16.151	13.772	15.5	14.005
708	isnk@2p7A	mA	-60 :	-5	-18.627	-17.459	-17.299	-16.681	-18.407	-16.806
709	isnk@2p7B	mA	-60 :	-5	-16.339	-18.815	-18.685	-16.366	-19.341	-17.38
712	isnk@5p0A	mA	-60 :	-8	-18.047	-16.729	-16.605	-16.133	-17.582	-16.421
713	isnk@5p0B	mA	-60 :	-8	-15.785	-18.202	-17.947	-15.767	-18.558	-16.839
800	Vos_caltime@5p0VA	ms	0 :	5	0.631	0.648	1.541	0.603	1.481	0.777
801	Vos_caltime@5p0VB	ms	0 :	5	0.246	0.343	0.468	1.414	0.878	1.521

PROG RAM : EQR2012BA
LOT : 7H4381G019040
FINISH_TIME : 5-Mar-2007 09:50:36

40K RADS

Test#	Test Name	UNITS	LL	UL	Dev 3	Dev 4	Dev 5	Dev 6	Dev 7	Dev 8
260	psi@2p7	mA	0.9 :	3.5	2.051	2.043	1.984	2.006	2	1.939
261	psi@5p0	mA	0.9 :	3.5	2.53	2.455	2.235	2.464	2.373	2.184
275	Vos_vs@2p7A	uV	-36 :	36	-12.085	0.031	-3.913	-4.197	0.273	-2.783
276	Vos_vs@2p7B	uV	-36 :	36	0.064	-1.235	-2.984	2.487	1.03	7.041
279	Vos_vs@5p0A	uV	-36 :	36	-8.229	-2.657	-7.81	-8.042	1.603	-2.035
280	Vos_vs@5p0B	uV	-36 :	36	0.627	-0.557	-2.45	1.149	1.174	5.492
284	PSRR dB A	dB	:	-95	-115.461	-118.571	-115.369	-115.484	-124.61	-129.492
286	PSRR dB B	dB	:	-95	-131.875	-130.317	-132.312	-124.558	-142.787	-123.302
403	CMRRdB@2P7_A	dB	:	-95	-126.658	-124.309	-122.656	-155.633	-127.468	-142.055
407	CMRRdB@2P7_B	dB	:	-95	-128.668	-133.848	-123.773	-125.863	-125.566	-122.85
419	CMRRdB@5P0A	dB	:	-100	-142.634	-122.873	-130.607	-112.228	-132.323	-138.559
423	CMRRdB@5V B	dB	:	-100	-126.93	-130.069	-134.866	-135.831	-128.644	-126.63
503	gain2kdB@2p7(A)	dB	:	-90	-119.336	-147.79	-134.568	-129.354	-134.884	-141.208
507	gain2kdB@2p7(B)	dB	:	-90	-146.539	-155.761	-147.999	-133.448	-133.12	-129.624
519	gain2kdB@5p0A	dB	:	-95	-121.439	-127.417	-121.152	-127.941	-130.963	-133.872
523	gain2kdB@5p0B	dB	:	-95	-145.506	-155.619	-146.253	-134.044	-140.795	-127.03
535	gain10kdB@2p7A	dB	:	-95	-136.626	-133.906	-133.589	-145.558	-134.197	-127.418
539	gain10kdB@2p7B	dB	:	-95	-157.38	-139.011	-138.294	-145.44	-140.123	-133.606
551	gain10kdB@5p0A	dB	:	-105	-152.151	-141.967	-139.626	-142.739	-146.017	-145.298
555	gain10kdB@5p0B	dB	:	-105	-142.33	-138.627	-143.261	-140.556	-141.978	-138.688
600	pswing2k@2p7A	mV	-85 :	0	-53.676	-51.568	-52.397	-53.939	-52.564	-54.421
601	pswing2k@2p7B	mV	-85 :	0	-53.292	-53.833	-52.259	-54.237	-52.472	-53.712
604	pswing2k@5p0A	mV	-125 :	0	-88.27	-85.727	-86.101	-89.366	-86.548	-89.702
605	pswing2k@5p0B	mV	-125 :	0	-88.224	-88.345	-85.073	-90.586	-86.677	-88.362
608	pswing10k@2p7A	mV	-60 :	0	-20.458	-18.963	-19.327	-19.972	-19.385	-20.01
609	pswing10k@2p7B	mV	-60 :	0	-20.529	-20.577	-19.968	-20.144	-19.763	-20.179
612	pswing10k@5p0A	mV	-80 :	0	-28.019	-26.495	-26.145	-27.844	-26.55	-27.166
613	pswing10k@5p0B	mV	-80 :	0	-28.706	-28.171	-26.603	-28.618	-27.377	-27.304
616	nswing2k@2p7A	mV	0 :	85	37.738	37.44	38.138	38.125	40.127	37.485
617	nswing2k@2p7B	mV	0 :	85	44.848	44.834	45.307	45.295	47.388	43.784
620	nswing2k@5p0A	mV	0 :	125	59.21	58.52	59.293	59.756	62.182	58.79
621	nswing2k@5p0B	mV	0 :	125	69.273	68.348	68.756	69.804	72.063	67.026
624	nswing10k@2p7A	mV	0 :	60	16.943	17.408	17.428	17.348	19.107	16.418
625	nswing10k@2p7B	mV	0 :	60	22.599	23.51	23.127	22.981	25.027	21.661
628	nswing10k@5p0A	mV	0 :	80	22.877	23.108	22.968	23.348	25.119	21.952
629	nswing10k@5p0B	mV	0 :	80	30.103	30.386	29.554	30.382	32.326	27.966
700	isrc@2p7A	mA	5 :	60	12.146	12.606	11.941	11.439	12.021	11.002
701	isrc@2p7B	mA	5 :	60	12.493	11.643	12.92	11.178	12.446	11.572
704	isrc@5p0A	mA	8 :	60	14.997	15.593	14.953	14.097	15.027	13.519
705	isrc@5p0B	mA	8 :	60	15.39	14.561	16.196	13.666	15.471	14.154
708	isnk@2p7A	mA	-60 :	-5	-18.364	-17.358	-17.202	-16.639	-18.203	-16.761
709	isnk@2p7B	mA	-60 :	-5	-16.244	-18.582	-18.591	-16.234	-19.285	-17.462
712	isnk@5p0A	mA	-60 :	-8	-17.78	-16.616	-16.488	-16.073	-17.345	-16.35
713	isnk@5p0B	mA	-60 :	-8	-15.672	-17.952	-17.847	-15.639	-18.469	-16.898
800	Vos_caltime@5p0VA	ms	0 :	5	0.912	0.514	1.585	0.618	1.524	0.947
801	Vos_caltime@5p0VB	ms	0 :	5	0.243	0.483	0.474	1.387	0.879	1.492

PROG RAM : EQR2012BA
LOT : 7H4381G019050
FINISH_TIME : 5-Mar-2007 10:05:39

50K RADS

Test#	Test Name	UNITS	LL	UL	Dev 3	Dev 4	Dev 5	Dev 6	Dev 7	Dev 8
260	psi@2p7	mA	0.9 :	3.5	2.366	2.263	2.129	2.29	2.221	2.094
261	psi@5p0	mA	0.9 :	3.5	3.128	2.935	2.669	2.99	2.861	2.613
275	Vos_vs@2p7A	uV	-36 :	36	-3.763	0.623	-3.27	-7.543	0.954	-4.034
276	Vos_vs@2p7B	uV	-36 :	36	-2.102	-2.331	-3.19	5.052	-1.677	7.602
279	Vos_vs@5p0A	uV	-36 :	36	-5.428	-7.086	-10.732	-13.719	0.713	-2.468
280	Vos_vs@5p0B	uV	-36 :	36	0.806	-1.504	-2.542	0.545	0.826	4.861
284	PSRR dB A	dB	:	-95	-122.688	-109.469	-109.75	-111.388	-138.82	-123.212
286	PSRR dB B	dB	:	-95	-117.894	-128.654	-130.708	-114.112	-119.185	-118.402
403	CMRRdB@2P7_A	dB	:	-95	-107.795	-127.628	-125.805	-124.615	-117.715	-138.771
407	CMRRdB@2P7_B	dB	:	-95	-124.222	-134.415	-127.61	-148.099	-123.841	-124.601
419	CMRRdB@5P0A	dB	:	-100	-131.063	-112.932	-128.229	-110.189	-125.805	-134.943
423	CMRRdB@5V B	dB	:	-100	-127.823	-132.753	-146.338	-131.678	-128.646	-126.07
503	gain2kdB@2p7(A)	dB	:	-90	-120.239	-128.257	-131.998	-118.301	-127.258	-154.62
507	gain2kdB@2p7(B)	dB	:	-90	-132.202	-136.213	-135.314	-140.602	-131.022	-125.553
519	gain2kdB@5p0A	dB	:	-95	-132.509	-120.485	-120.247	-124.484	-139.214	-131.059
523	gain2kdB@5p0B	dB	:	-95	-147.03	-152.236	-145.388	-132.654	-140.021	-126.418
535	gain10kdB@2p7A	dB	:	-95	-135.27	-144.521	-138.437	-130.75	-140.057	-148.826
539	gain10kdB@2p7B	dB	:	-95	-140.783	-142.098	-141.703	-132.713	-152.928	-128.508
551	gain10kdB@5p0A	dB	:	-105	-141.788	-134.873	-131.894	-136.039	-141.67	-153.849
555	gain10kdB@5p0B	dB	:	-105	-145.292	-148.82	-148.623	-140.312	-141.201	-134.732
600	pswing2k@2p7A	mV	-85 :	0	-54.81	-52.545	-53.624	-54.681	-53.252	-54.69
601	pswing2k@2p7B	mV	-85 :	0	-54.763	-54.95	-53.398	-55.499	-53.228	-54.33
604	pswing2k@5p0A	mV	-125 :	0	-90.839	-88.073	-88.974	-91.348	-88.574	-90.985
605	pswing2k@5p0B	mV	-125 :	0	-91.028	-91.03	-87.802	-92.912	-88.845	-90.305
608	pswing10k@2p7A	mV	-60 :	0	-21.483	-19.874	-20.218	-20.759	-20.178	-20.455
609	pswing10k@2p7B	mV	-60 :	0	-21.843	-21.545	-20.885	-21.362	-20.651	-20.75
612	pswing10k@5p0A	mV	-80 :	0	-30.28	-28.619	-28.441	-29.693	-28.437	-28.691
613	pswing10k@5p0B	mV	-80 :	0	-31.091	-30.408	-28.929	-30.712	-29.466	-29.106
616	nswing2k@2p7A	mV	0 :	85	38.403	38.09	38.305	39.632	39.421	38.182
617	nswing2k@2p7B	mV	0 :	85	46.15	45.885	45.637	47.47	47.247	44.949
620	nswing2k@5p0A	mV	0 :	125	60.588	59.884	60.215	62.212	61.695	60.15
621	nswing2k@5p0B	mV	0 :	125	71.646	70.557	70.262	73.246	72.616	69.534
624	nswing10k@2p7A	mV	0 :	60	17.718	17.996	17.601	18.751	18.771	17.189
625	nswing10k@2p7B	mV	0 :	60	23.963	24.479	23.565	25.043	25.181	22.727
628	nswing10k@5p0A	mV	0 :	80	24.353	24.304	23.773	25.543	25.289	23.443
629	nswing10k@5p0B	mV	0 :	80	32.479	32.436	31.096	33.522	33.459	30.236
700	isrc@2p7A	mA	5 :	60	12.129	12.711	11.936	11.447	12.082	11.051
701	isrc@2p7B	mA	5 :	60	12.41	11.608	13.003	11.149	12.562	11.595
704	isrc@5p0A	mA	8 :	60	15	15.73	14.957	14.099	15.094	13.573
705	isrc@5p0B	mA	8 :	60	15.288	14.518	16.281	13.626	15.601	14.19
708	isnk@2p7A	mA	-60 :	-5	-18.156	-17.315	-17.095	-16.605	-18.011	-16.591
709	isnk@2p7B	mA	-60 :	-5	-15.908	-18.374	-18.516	-15.947	-19.291	-17.486
712	isnk@5p0A	mA	-60 :	-8	-17.547	-16.565	-16.383	-16.029	-17.163	-16.153
713	isnk@5p0B	mA	-60 :	-8	-15.31	-17.717	-17.748	-15.339	-18.436	-16.9
800	Vos_caltime@5p0VA	ms	0 :	5	1.051	0.438	1.751	0.781	1.574	1.002
801	Vos_caltime@5p0VB	ms	0 :	5	0.329	0.452	0.533	1.626	0.992	1.622

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