





6.1.1.2.5.2 Test Channel = MCH

6.1.1.2.5.2.1 Test RB = RB1#0



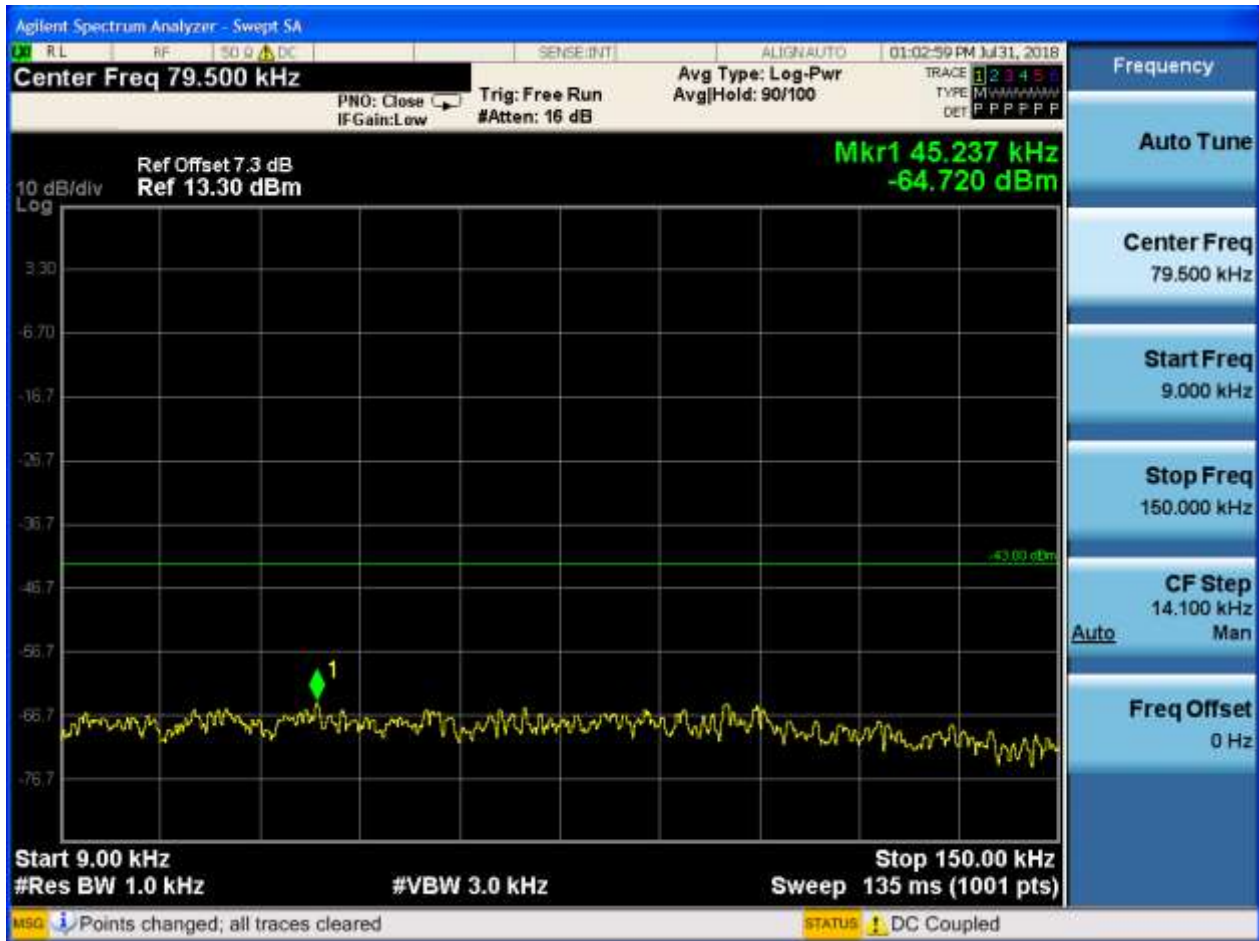






6.1.1.2.5.3 Test Channel = HCH

6.1.1.2.5.3.1 Test RB = RB1#0





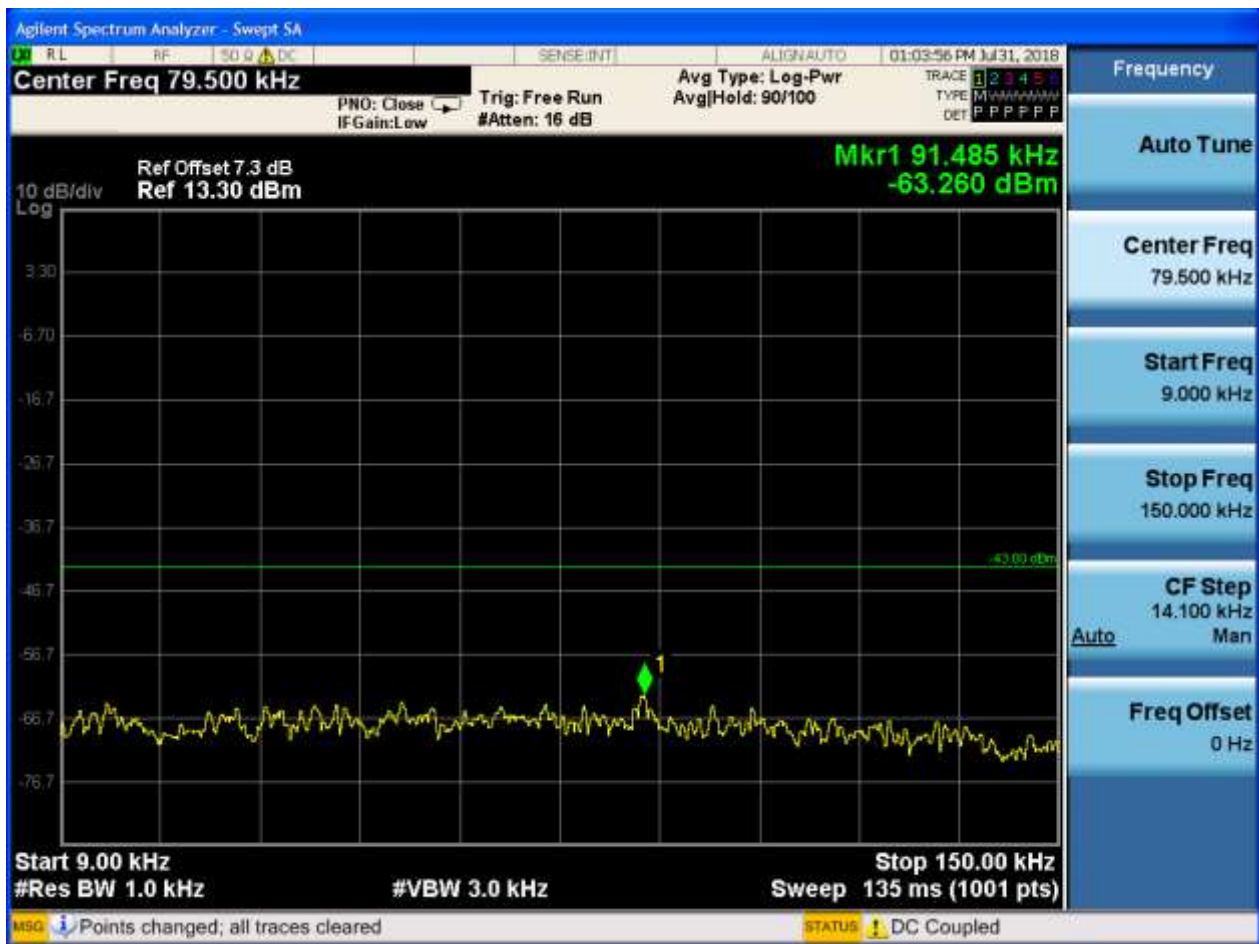




6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0









6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0









6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 Test RB = RB1#0







7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	TN	VL	-4.26	-0.0023	PASS
					VN	-12.87	-0.00695	PASS
					VH	-12.36	-0.00668	PASS
			MCH	TN	VL	-7.21	-0.00384	PASS
					VN	2.96	0.00157	PASS
					VH	1.33	0.00071	PASS
			HCH	TN	VL	-1.67	-0.00087	PASS
					VN	-2.50	-0.00131	PASS
					VH	2.46	0.00129	PASS
		3	LCH	TN	VL	-3.66	-0.00198	PASS
					VN	-10.01	-0.00541	PASS
					VH	-10.36	-0.0056	PASS
			MCH	TN	VL	-5.98	-0.00318	PASS
					VN	-3.81	-0.00203	PASS
					VH	-13.28	-0.00706	PASS
			HCH	TN	VL	-3.12	-0.00163	PASS
					VN	-4.11	-0.00215	PASS
					VH	-2.73	-0.00143	PASS
		5	LCH	TN	VL	-3.76	-0.00203	PASS
					VN	-16.21	-0.00875	PASS
					VH	-16.41	-0.00886	PASS
			MCH	TN	VL	-14.93	-0.00794	PASS
					VN	-9.37	-0.00498	PASS
					VH	-5.28	-0.00281	PASS
			HCH	TN	VL	-4.62	-0.00242	PASS
					VN	-4.78	-0.00251	PASS
					VH	-3.58	-0.00188	PASS
		10	LCH	TN	VL	27.58	0.01487	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-4.46	-0.0024	PASS
					VH	6.11	0.00329	PASS
			MCH	TN	VL	-3.86	-0.00205	PASS
					VN	-4.39	-0.00234	PASS
					VH	-5.21	-0.00277	PASS
					VL	-0.50	-0.00026	PASS
			HCH	TN	VN	-0.66	-0.00035	PASS
					VH	1.26	0.00066	PASS
					VL	7.14	0.00384	PASS
		15	LCH	TN	VN	-28.34	-0.01526	PASS
					VH	5.87	0.00316	PASS
					VL	-3.86	-0.00205	PASS
			MCH	TN	VN	-5.45	-0.0029	PASS
					VH	-3.99	-0.00212	PASS
					VL	-1.04	-0.00055	PASS
					VN	-0.67	-0.00035	PASS
			HCH	TN	VH	0.21	0.00011	PASS
					VL	-3.33	-0.00179	PASS
		VN			-9.64	-0.00518	PASS	
		20	LCH	TN	VH	-5.59	-0.00301	PASS
					VL	-3.76	-0.002	PASS
					VN	-1.80	-0.00096	PASS
			MCH	TN	VH	-3.29	-0.00175	PASS
					VL	-5.66	-0.00298	PASS
					VN	-3.92	-0.00206	PASS
					VH	-3.30	-0.00174	PASS
			HCH	TN	VL	0.93	0.0005	PASS
	VN				6.34	0.00343	PASS	
	VH	-41.69			-0.02253	PASS		
	LTE/TM2	1.4	LCH	TN	VL	3.28	0.00174	PASS
					VN	2.95	0.00157	PASS
					VH	0.39	0.00021	PASS
			MCH	TN	VL	-8.17	-0.00428	PASS
					VN	-0.57	-0.0003	PASS
					VH	-91.91	-0.04814	PASS
			HCH	TN	VL	7.74	0.00418	PASS
					VN	3.86	0.00208	PASS
					VH	-16.74	-0.00904	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	-4.41	-0.00235	PASS
					VN	-6.58	-0.0035	PASS
					VH	1.27	0.00068	PASS
			HCH	TN	VL	-7.61	-0.00399	PASS
					VN	-0.83	-0.00043	PASS
					VH	-1.69	-0.00089	PASS
		5	LCH	TN	VL	-14.61	-0.00789	PASS
					VN	-3.73	-0.00201	PASS
					VH	-11.80	-0.00637	PASS
			MCH	TN	VL	-3.88	-0.00206	PASS
					VN	-5.68	-0.00302	PASS
					VH	-4.58	-0.00244	PASS
			HCH	TN	VL	-1.86	-0.00098	PASS
					VN	-0.92	-0.00048	PASS
					VH	1.02	0.00053	PASS
		10	LCH	TN	VL	-2.89	-0.00156	PASS
					VN	3.15	0.0017	PASS
					VH	1.83	0.00099	PASS
			MCH	TN	VL	-2.49	-0.00132	PASS
					VN	-2.47	-0.00131	PASS
					VH	-3.58	-0.0019	PASS
			HCH	TN	VL	-0.66	-0.00035	PASS
					VN	-1.86	-0.00098	PASS
					VH	-1.06	-0.00056	PASS
		15	LCH	TN	VL	1.26	0.00068	PASS
					VN	-1.46	-0.00079	PASS
					VH	0.54	0.00029	PASS
			MCH	TN	VL	-4.94	-0.00263	PASS
					VN	-2.23	-0.00119	PASS
					VH	-2.79	-0.00148	PASS
			HCH	TN	VL	-0.51	-0.00027	PASS
					VN	0.93	0.00049	PASS
					VH	0.93	0.00049	PASS
		20	LCH	TN	VL	-4.25	-0.00228	PASS
					VN	0.92	0.00049	PASS
					VH	-0.47	-0.00025	PASS
			MCH	TN	VL	-2.98	-0.00159	PASS
					VN	-3.56	-0.00189	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	-1.46	-0.00078	PASS
					VL	-2.83	-0.00149	PASS
					VN	-1.12	-0.00059	PASS
					VH	-0.66	-0.00035	PASS

7.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	VN	-30	-6.08	-0.00329	PASS
					-20	-11.89	-0.00642	PASS
					-10	-3.00	-0.00162	PASS
					0	-10.21	-0.00552	PASS
					10	7.34	0.00397	PASS
					20	-26.25	-0.01418	PASS
					30	-1.95	-0.00105	PASS
					40	-16.29	-0.0088	PASS
					50	-4.09	-0.00221	PASS
			MCH	VN	-30	2.46	0.00131	PASS
					-20	-5.49	-0.00292	PASS
					-10	-9.11	-0.00485	PASS
					0	-6.32	-0.00336	PASS
					10	-7.07	-0.00376	PASS
					20	-15.82	-0.00841	PASS
					30	-5.05	-0.00269	PASS
					40	-5.52	-0.00294	PASS
					50	-2.52	-0.00134	PASS
			HCH	VN	-30	-15.64	-0.00819	PASS
					-20	-3.03	-0.00159	PASS
					-10	-35.42	-0.01855	PASS
					0	-27.08	-0.01418	PASS
					10	-3.50	-0.00183	PASS
					20	-1.72	-0.0009	PASS
					30	-0.46	-0.00024	PASS
					40	8.57	0.00449	PASS
					50	0.14	0.00007	PASS
		3	LCH	VN	-30	-3.48	-0.00188	PASS
					-20	-2.03	-0.0011	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-6.35	-0.00343	PASS
					0	-4.78	-0.00258	PASS
					10	-5.09	-0.00275	PASS
					20	-11.76	-0.00635	PASS
					30	1.20	0.00065	PASS
					40	-7.18	-0.00388	PASS
					50	0.20	0.00011	PASS
			MCH	VN	-30	-3.39	-0.0018	PASS
					-20	-1.42	-0.00076	PASS
					-10	0.19	0.0001	PASS
					0	-0.66	-0.00035	PASS
					10	-5.05	-0.00269	PASS
					20	-6.12	-0.00326	PASS
					30	-3.78	-0.00201	PASS
					40	-2.60	-0.00138	PASS
					50	-4.38	-0.00233	PASS
			HCH	VN	-30	-5.12	-0.00268	PASS
					-20	-4.42	-0.00232	PASS
					-10	-3.20	-0.00168	PASS
					0	-2.05	-0.00107	PASS
					10	-4.05	-0.00212	PASS
					20	0.17	0.00009	PASS
					30	-6.52	-0.00342	PASS
					40	1.22	0.00064	PASS
					50	-6.65	-0.00348	PASS
		5	LCH	VN	-30	0.73	0.00039	PASS
					-20	1.17	0.00063	PASS
					-10	1.69	0.00091	PASS
					0	-1.47	-0.00079	PASS
					10	-4.86	-0.00262	PASS
					20	1.97	0.00106	PASS
					30	-1.16	-0.00063	PASS
					40	1.27	0.00069	PASS
					50	-1.23	-0.00066	PASS
			MCH	VN	-30	-11.42	-0.00607	PASS
					-20	-3.75	-0.00199	PASS
					-10	-3.25	-0.00173	PASS
					0	-8.75	-0.00465	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-4.59	-0.00244	PASS
					20	-9.03	-0.0048	PASS
					30	-1.70	-0.0009	PASS
					40	-2.12	-0.00113	PASS
					50	-3.85	-0.00205	PASS
			HCH	VN	-30	-5.36	-0.00281	PASS
					-20	-6.71	-0.00352	PASS
					-10	-1.99	-0.00104	PASS
					0	-6.52	-0.00342	PASS
					10	0.31	0.00016	PASS
					20	0.14	0.00007	PASS
					30	-1.23	-0.00064	PASS
					40	-3.76	-0.00197	PASS
					50	0.20	0.0001	PASS
		10	LCH	VN	-30	-0.82	-0.00044	PASS
					-20	0.39	0.00021	PASS
					-10	3.36	0.00181	PASS
					0	-0.14	-0.00008	PASS
					10	2.99	0.00161	PASS
					20	2.26	0.00122	PASS
					30	1.10	0.00059	PASS
					40	0.00	0	PASS
					50	20.57	0.01109	PASS
			MCH	VN	-30	-4.02	-0.00214	PASS
					-20	-5.02	-0.00267	PASS
					-10	-3.43	-0.00182	PASS
					0	-3.71	-0.00197	PASS
					10	-2.53	-0.00135	PASS
					20	-2.07	-0.0011	PASS
					30	-0.53	-0.00028	PASS
					40	-2.39	-0.00127	PASS
					50	-1.47	-0.00078	PASS
			HCH	VN	-30	-0.94	-0.00049	PASS
					-20	-0.66	-0.00035	PASS
					-10	-0.24	-0.00013	PASS
					0	0.76	0.0004	PASS
					10	1.70	0.00089	PASS
					20	5.12	0.00269	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			30	-0.56	-0.00029	PASS
					40	1.27	0.00067	PASS
					50	-0.33	-0.00017	PASS
			LCH	VN	-30	-0.74	-0.0004	PASS
					-20	-1.46	-0.00079	PASS
					-10	-2.62	-0.00141	PASS
					0	-2.00	-0.00108	PASS
					10	0.07	0.00004	PASS
					20	2.92	0.00157	PASS
					30	1.70	0.00092	PASS
					40	10.90	0.00587	PASS
					50	3.00	0.00162	PASS
			MCH	VN	-30	-5.59	-0.00297	PASS
					-20	-4.02	-0.00214	PASS
					-10	-2.89	-0.00154	PASS
					0	-3.03	-0.00161	PASS
					10	-2.57	-0.00137	PASS
					20	-2.29	-0.00122	PASS
					30	-1.70	-0.0009	PASS
					40	-2.49	-0.00132	PASS
					50	-2.65	-0.00141	PASS
			HCH	VN	-30	-0.93	-0.00049	PASS
					-20	0.63	0.00033	PASS
					-10	-0.43	-0.00023	PASS
					0	-0.92	-0.00048	PASS
					10	0.89	0.00047	PASS
					20	-1.10	-0.00058	PASS
					30	0.90	0.00047	PASS
					40	0.01	0.00001	PASS
					50	0.29	0.00015	PASS
		20	LCH	VN	-30	-1.59	-0.00085	PASS
					-20	-1.33	-0.00072	PASS
					-10	-0.07	-0.00004	PASS
					0	0.06	0.00003	PASS
					10	-1.42	-0.00076	PASS
					20	1.24	0.00067	PASS
					30	-0.07	-0.00004	PASS
					40	-3.32	-0.00178	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-4.71	-0.00253	PASS
			MCH	VN	-30	-2.85	-0.00152	PASS
					-20	-3.59	-0.00191	PASS
					-10	-2.66	-0.00141	PASS
					0	-1.82	-0.00097	PASS
					10	-1.20	-0.00064	PASS
					20	-1.29	-0.00069	PASS
					30	-0.79	-0.00042	PASS
					40	-2.39	-0.00127	PASS
					50	-1.72	-0.00091	PASS
			HCH	VN	-30	-3.06	-0.00161	PASS
					-20	-2.12	-0.00112	PASS
					-10	-1.36	-0.00072	PASS
					0	-2.86	-0.00151	PASS
					10	-2.90	-0.00153	PASS
					20	-1.75	-0.00092	PASS
					30	-2.05	-0.00108	PASS
					40	-0.93	-0.00049	PASS
					50	-2.72	-0.00143	PASS
	LTE/TM2	1.4	LCH	VN	-30	6.48	0.0035	PASS
					-20	-5.61	-0.00303	PASS
					-10	0.64	0.00035	PASS
					0	-19.15	-0.01035	PASS
					10	4.91	0.00265	PASS
					20	1.30	0.0007	PASS
					30	-4.63	-0.0025	PASS
					40	-4.78	-0.00258	PASS
					50	-8.54	-0.00461	PASS
			MCH	VN	-30	-2.02	-0.00107	PASS
					-20	3.82	0.00203	PASS
					-10	-5.21	-0.00277	PASS
					0	8.71	0.00463	PASS
					10	-7.74	-0.00412	PASS
					20	-7.91	-0.00421	PASS
					30	-1.13	-0.0006	PASS
					40	1.69	0.0009	PASS
					50	5.06	0.00269	PASS
			HCH	VN	-30	0.16	0.00008	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-19.44	-0.01018	PASS
					-10	2.20	0.00115	PASS
					0	5.14	0.00269	PASS
					10	-24.79	-0.01298	PASS
					20	-6.02	-0.00315	PASS
					30	-1.24	-0.00065	PASS
					40	1.24	0.00065	PASS
					50	1.32	0.00069	PASS
		3	LCH	VN	-30	-1.95	-0.00105	PASS
					-20	-13.07	-0.00706	PASS
					-10	-2.89	-0.00156	PASS
					0	-9.76	-0.00527	PASS
					10	-0.03	-0.00002	PASS
					20	0.30	0.00016	PASS
					30	-6.42	-0.00347	PASS
					40	0.06	0.00003	PASS
					50	-7.57	-0.00409	PASS
			MCH	VN	-30	5.72	0.00304	PASS
					-20	-11.70	-0.00622	PASS
					-10	-3.86	-0.00205	PASS
					0	-2.33	-0.00124	PASS
					10	-4.06	-0.00216	PASS
					20	-10.41	-0.00554	PASS
					30	6.35	0.00338	PASS
					40	-2.03	-0.00108	PASS
					50	-0.13	-0.00007	PASS
			HCH	VN	-30	-9.14	-0.00479	PASS
					-20	-6.58	-0.00345	PASS
					-10	-8.07	-0.00423	PASS
					0	1.44	0.00075	PASS
					10	-7.65	-0.00401	PASS
					20	-2.63	-0.00138	PASS
					30	-7.00	-0.00367	PASS
					40	0.83	0.00043	PASS
					50	-0.37	-0.00019	PASS
		5	LCH	VN	-30	-2.70	-0.00146	PASS
					-20	-1.79	-0.00097	PASS
					-10	-0.79	-0.00043	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	1.32	0.00071	PASS
					10	1.80	0.00097	PASS
					20	-9.34	-0.00504	PASS
					30	2.25	0.00121	PASS
					40	1.52	0.00082	PASS
					50	-6.98	-0.00377	PASS
			MCH	VN	-30	-5.18	-0.00276	PASS
					-20	-3.46	-0.00184	PASS
					-10	-5.18	-0.00276	PASS
					0	-0.66	-0.00035	PASS
					10	-5.09	-0.00271	PASS
					20	-5.99	-0.00319	PASS
					30	1.34	0.00071	PASS
					40	0.67	0.00036	PASS
					50	-0.20	-0.00011	PASS
			HCH	VN	-30	-7.51	-0.00394	PASS
					-20	-3.69	-0.00193	PASS
					-10	-1.63	-0.00085	PASS
					0	-1.85	-0.00097	PASS
					10	-4.48	-0.00235	PASS
					20	-1.43	-0.00075	PASS
					30	-2.27	-0.00119	PASS
					40	-5.92	-0.0031	PASS
					50	0.33	0.00017	PASS
		10	LCH	VN	-30	1.57	0.00085	PASS
					-20	4.94	0.00266	PASS
					-10	0.37	0.0002	PASS
					0	1.00	0.00054	PASS
					10	2.68	0.00144	PASS
					20	-1.26	-0.00068	PASS
					30	0.83	0.00045	PASS
					40	0.56	0.0003	PASS
					50	-1.24	-0.00067	PASS
			MCH	VN	-30	-6.49	-0.00345	PASS
					-20	-2.20	-0.00117	PASS
					-10	-3.72	-0.00198	PASS
					0	-2.98	-0.00159	PASS
					10	0.39	0.00021	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.19	0.0001	PASS
					30	-0.51	-0.00027	PASS
					40	0.80	0.00043	PASS
					50	-1.66	-0.00088	PASS
			HCH	VN	-30	0.66	0.00035	PASS
					-20	1.46	0.00077	PASS
					-10	-0.50	-0.00026	PASS
					0	-2.07	-0.00109	PASS
					10	1.53	0.0008	PASS
					20	-0.09	-0.00005	PASS
					30	0.70	0.00037	PASS
					40	1.60	0.00084	PASS
					50	0.23	0.00012	PASS
		15	LCH	VN	-30	2.35	0.00127	PASS
					-20	1.95	0.00105	PASS
					-10	3.78	0.00203	PASS
					0	3.65	0.00197	PASS
					10	2.93	0.00158	PASS
					20	-3.59	-0.00193	PASS
					30	2.70	0.00145	PASS
					40	4.32	0.00233	PASS
					50	0.43	0.00023	PASS
			MCH	VN	-30	-5.94	-0.00316	PASS
					-20	-4.72	-0.00251	PASS
					-10	-5.34	-0.00284	PASS
					0	-3.48	-0.00185	PASS
					10	-4.98	-0.00265	PASS
					20	-4.28	-0.00228	PASS
					30	-3.83	-0.00204	PASS
					40	-2.59	-0.00138	PASS
					50	-4.71	-0.00251	PASS
			HCH	VN	-30	1.02	0.00054	PASS
					-20	0.14	0.00007	PASS
					-10	-1.20	-0.00063	PASS
					0	1.07	0.00056	PASS
					10	2.07	0.00109	PASS
					20	1.22	0.00064	PASS
					30	1.10	0.00058	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	0.82	0.00043	PASS
					50	0.79	0.00042	PASS
			LCH	VN	-30	-4.19	-0.00225	PASS
					-20	-0.96	-0.00052	PASS
					-10	1.09	0.00059	PASS
					0	0.92	0.00049	PASS
					10	-0.56	-0.0003	PASS
					20	1.86	0.001	PASS
					30	0.63	0.00034	PASS
					40	1.65	0.00089	PASS
					50	0.57	0.00031	PASS
			MCH	VN	-30	-4.82	-0.00256	PASS
					-20	-2.55	-0.00136	PASS
					-10	-3.81	-0.00203	PASS
					0	-2.39	-0.00127	PASS
					10	-1.56	-0.00083	PASS
					20	-1.42	-0.00076	PASS
					30	-2.13	-0.00113	PASS
					40	-1.97	-0.00105	PASS
					50	-2.26	-0.0012	PASS
			HCH	VN	-30	-3.56	-0.00187	PASS
					-20	-0.89	-0.00047	PASS
					-10	-1.75	-0.00092	PASS
					0	-2.22	-0.00117	PASS
					10	-0.92	-0.00048	PASS
					20	-1.79	-0.00094	PASS
					30	-1.49	-0.00078	PASS
					40	-2.63	-0.00138	PASS
					50	-3.75	-0.00197	PASS

END