



6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0







6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0







6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0











6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0







6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



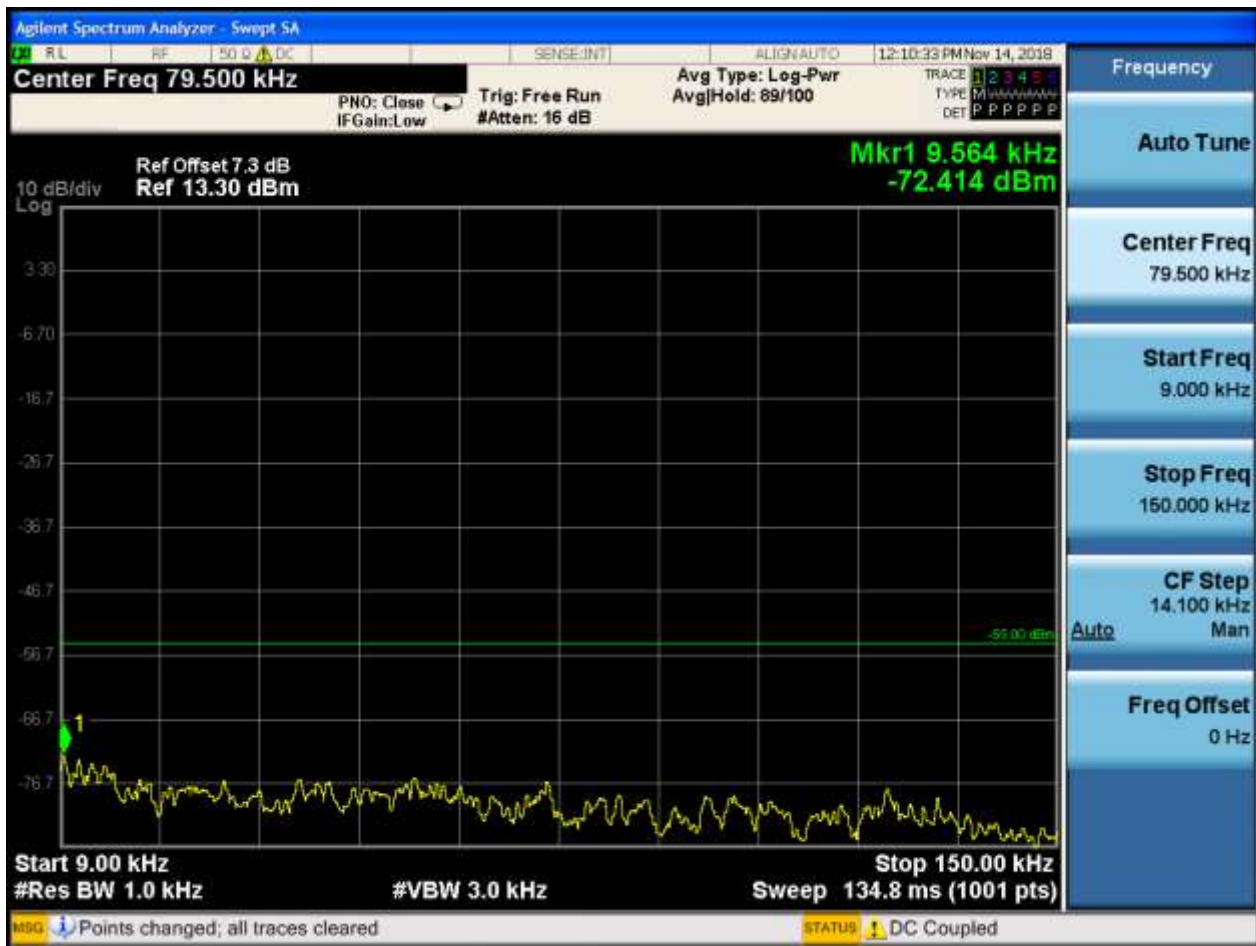




6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0







6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0







6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



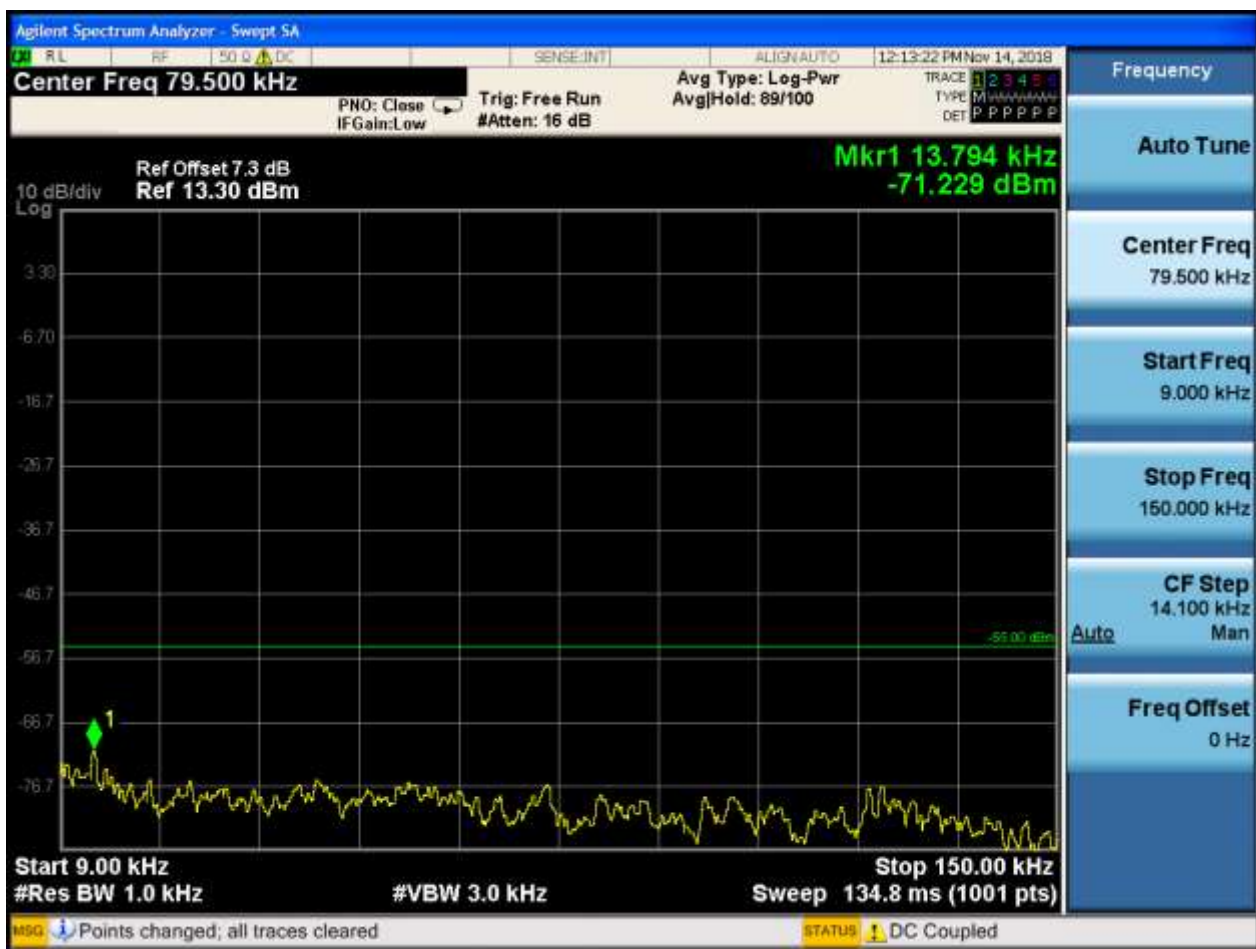




6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0







6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0







6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



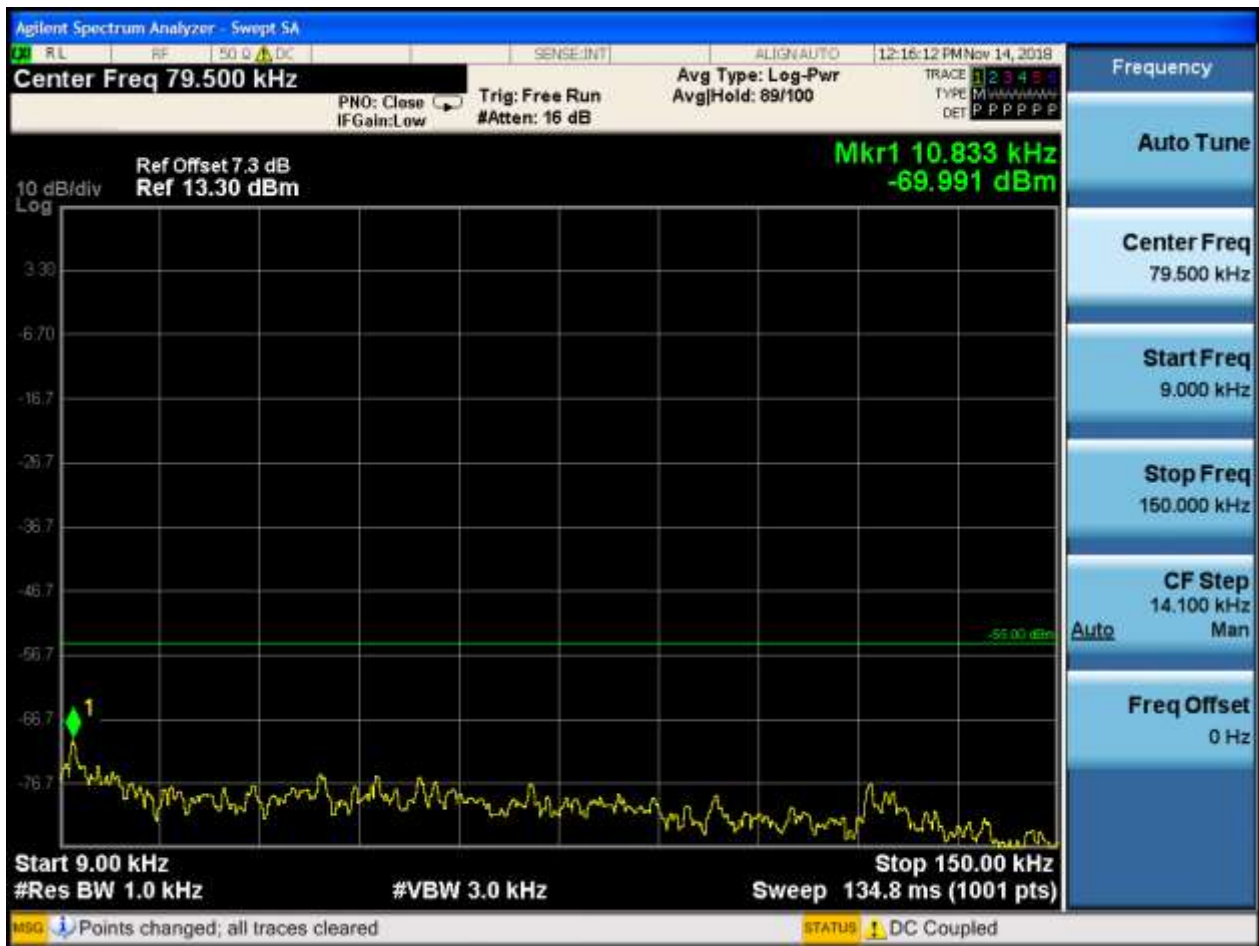




6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0







6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 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
BAND7	LTE/TM1	5	LCH	TN	VL	1.43	0.00057	PASS
					VN	0.50	0.0002	PASS
					VH	0.83	0.00033	PASS
			MCH	TN	VL	-1.76	-0.00069	PASS
					VN	-3.22	-0.00127	PASS
					VH	-4.51	-0.00178	PASS
			HCH	TN	VL	-0.11	-0.00004	PASS
					VN	-0.19	-0.00007	PASS
					VH	1.93	0.00075	PASS
		10	LCH	TN	VL	-3.76	-0.0015	PASS
					VN	-3.76	-0.0015	PASS
					VH	-2.15	-0.00086	PASS
			MCH	TN	VL	-2.32	-0.00092	PASS
					VN	-4.03	-0.00159	PASS
					VH	-3.49	-0.00138	PASS
			HCH	TN	VL	-4.39	-0.00171	PASS
					VN	-4.28	-0.00167	PASS
					VH	-4.35	-0.0017	PASS
		15	LCH	TN	VL	0.51	0.0002	PASS
					VN	1.02	0.00041	PASS
					VH	1.42	0.00057	PASS
			MCH	TN	VL	-2.09	-0.00082	PASS
					VN	-4.35	-0.00172	PASS
					VH	-2.30	-0.00091	PASS
			HCH	TN	VL	2.47	0.00096	PASS
					VN	0.64	0.00025	PASS
					VH	1.85	0.00072	PASS
		20	LCH	TN	VL	-1.04	-0.00041	PASS
					VN	-0.60	-0.00024	PASS
					VH	-0.11	-0.00004	PASS
			MCH	TN	VL	-2.40	-0.00095	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-3.43	-0.00135	PASS
					VH	-3.10	-0.00122	PASS
					VL	-0.44	-0.00017	PASS
					VN	0.49	0.00019	PASS
					VH	-0.21	-0.00008	PASS
	LTE/TM2	5	LCH	TN	VL	3.08	0.00123	PASS
					VN	1.16	0.00046	PASS
					VH	0.54	0.00022	PASS
			MCH	TN	VL	-2.05	-0.00081	PASS
					VN	-2.65	-0.00105	PASS
					VH	-3.28	-0.00129	PASS
			HCH	TN	VL	-0.11	-0.00004	PASS
					VN	0.21	0.00008	PASS
					VH	1.34	0.00052	PASS
		10	LCH	TN	VL	-3.46	-0.00138	PASS
					VN	-3.19	-0.00127	PASS
					VH	-3.78	-0.00151	PASS
			MCH	TN	VL	-5.24	-0.00207	PASS
					VN	-4.28	-0.00169	PASS
					VH	-4.96	-0.00196	PASS
			HCH	TN	VL	-2.82	-0.0011	PASS
					VN	-3.86	-0.0015	PASS
					VH	-3.76	-0.00147	PASS
		15	LCH	TN	VL	0.56	0.00022	PASS
					VN	-0.40	-0.00016	PASS
					VH	-1.26	-0.0005	PASS
			MCH	TN	VL	-3.43	-0.00135	PASS
					VN	-0.72	-0.00028	PASS
					VH	-2.19	-0.00086	PASS
			HCH	TN	VL	1.33	0.00052	PASS
					VN	3.30	0.00129	PASS
					VH	1.17	0.00046	PASS
		20	LCH	TN	VL	1.60	0.00064	PASS
					VN	0.21	0.00008	PASS
					VH	1.75	0.0007	PASS
			MCH	TN	VL	13.06	0.00515	PASS
					VN	9.51	0.00375	PASS
					VH	10.91	0.0043	PASS
			HCH	TN	VL	1.42	0.00055	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.59	0.00023	PASS
					VH	0.21	0.00008	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
BAND7	LTE/TM1	5	LCH	VN	-30	1.57	0.00063	PASS
					-20	-0.24	-0.0001	PASS
					-10	1.92	0.00077	PASS
					0	1.85	0.00074	PASS
					10	2.05	0.00082	PASS
					20	2.22	0.00089	PASS
					30	2.49	0.001	PASS
					40	0.56	0.00022	PASS
					50	1.67	0.00067	PASS
			MCH	VN	-30	-3.55	-0.0014	PASS
					-20	-4.96	-0.00196	PASS
					-10	-3.39	-0.00134	PASS
					0	-4.85	-0.00191	PASS
					10	-4.09	-0.00161	PASS
					20	-3.56	-0.0014	PASS
					30	-3.59	-0.00142	PASS
					40	-2.55	-0.00101	PASS
					50	-3.08	-0.00121	PASS
			HCH	VN	-30	0.74	0.00029	PASS
					-20	0.50	0.00019	PASS
					-10	0.63	0.00025	PASS
					0	-1.09	-0.00042	PASS
					10	1.13	0.00044	PASS
					20	0.84	0.00033	PASS
					30	-1.16	-0.00045	PASS
					40	0.86	0.00033	PASS
					50	1.32	0.00051	PASS
		10	LCH	VN	-30	-2.50	-0.001	PASS
					-20	-4.48	-0.00179	PASS
					-10	-2.03	-0.00081	PASS
					0	-0.89	-0.00036	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-3.50	-0.0014	PASS
					20	-3.76	-0.0015	PASS
					30	-3.72	-0.00149	PASS
					40	-3.46	-0.00138	PASS
					50	-2.29	-0.00091	PASS
			MCH	VN	-30	-3.45	-0.00136	PASS
					-20	-2.27	-0.0009	PASS
					-10	-3.40	-0.00134	PASS
					0	-4.76	-0.00188	PASS
					10	-3.96	-0.00156	PASS
					20	-4.35	-0.00172	PASS
					30	-2.32	-0.00092	PASS
					40	-4.36	-0.00172	PASS
					50	-4.51	-0.00178	PASS
			HCH	VN	-30	-2.37	-0.00092	PASS
					-20	-3.52	-0.00137	PASS
					-10	-4.86	-0.00189	PASS
					0	-3.29	-0.00128	PASS
					10	-3.36	-0.00131	PASS
					20	-4.65	-0.00181	PASS
					30	-3.38	-0.00132	PASS
					40	-2.85	-0.00111	PASS
					50	-4.39	-0.00171	PASS
		15	LCH	VN	-30	-0.96	-0.00038	PASS
					-20	-0.49	-0.0002	PASS
					-10	-0.24	-0.0001	PASS
					0	0.44	0.00018	PASS
					10	0.16	0.00006	PASS
					20	-1.57	-0.00063	PASS
					30	1.23	0.00049	PASS
					40	0.43	0.00017	PASS
					50	-0.11	-0.00004	PASS
			MCH	VN	-30	-2.93	-0.00116	PASS
					-20	-4.49	-0.00177	PASS
					-10	-3.15	-0.00124	PASS
					0	-2.05	-0.00081	PASS
					10	-2.49	-0.00098	PASS
					20	-2.82	-0.00111	PASS
					30	-3.03	-0.0012	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-3.10	-0.00122	PASS
					50	-3.53	-0.00139	PASS
			HCH	VN	-30	1.32	0.00052	PASS
					-20	2.73	0.00107	PASS
					-10	0.54	0.00021	PASS
					0	1.52	0.00059	PASS
					10	1.96	0.00076	PASS
					20	0.11	0.00004	PASS
					30	2.68	0.00105	PASS
					40	1.95	0.00076	PASS
					50	1.67	0.00065	PASS
		20	LCH	VN	-30	0.29	0.00012	PASS
					-20	0.57	0.00023	PASS
					-10	2.06	0.00082	PASS
					0	2.16	0.00086	PASS
					10	1.75	0.0007	PASS
					20	3.06	0.00122	PASS
					30	3.71	0.00148	PASS
					40	2.85	0.00114	PASS
					50	2.06	0.00082	PASS
			MCH	VN	-30	-3.91	-0.00154	PASS
					-20	-3.79	-0.0015	PASS
					-10	-4.62	-0.00182	PASS
					0	-3.55	-0.0014	PASS
					10	-3.72	-0.00147	PASS
					20	-2.88	-0.00114	PASS
					30	-3.98	-0.00157	PASS
					40	-1.73	-0.00068	PASS
					50	-4.95	-0.00195	PASS
			HCH	VN	-30	-0.62	-0.00024	PASS
					-20	0.44	0.00017	PASS
					-10	0.67	0.00026	PASS
					0	-0.30	-0.00012	PASS
					10	1.40	0.00055	PASS
					20	0.53	0.00021	PASS
					30	0.62	0.00024	PASS
					40	0.62	0.00024	PASS
					50	-0.51	-0.0002	PASS
	LTE/TM2	5	LCH	VN	-30	1.50	0.0006	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	2.85	0.00114	PASS
					-10	2.62	0.00105	PASS
					0	3.05	0.00122	PASS
					10	0.79	0.00032	PASS
					20	0.23	0.00009	PASS
					30	1.46	0.00058	PASS
					40	1.89	0.00076	PASS
					50	3.38	0.00135	PASS
			MCH	VN	-30	-3.81	-0.0015	PASS
					-20	-1.42	-0.00056	PASS
					-10	-1.96	-0.00077	PASS
					0	-4.13	-0.00163	PASS
					10	-2.26	-0.00089	PASS
					20	-3.73	-0.00147	PASS
					30	-2.68	-0.00106	PASS
					40	-4.05	-0.0016	PASS
					50	-3.06	-0.00121	PASS
			HCH	VN	-30	2.00	0.00078	PASS
					-20	-0.60	-0.00023	PASS
					-10	0.11	0.00004	PASS
					0	0.27	0.00011	PASS
					10	1.12	0.00044	PASS
					20	1.40	0.00055	PASS
					30	0.69	0.00027	PASS
					40	0.26	0.0001	PASS
					50	-1.53	-0.0006	PASS
		10	LCH	VN	-30	-2.66	-0.00106	PASS
					-20	-3.39	-0.00135	PASS
					-10	-2.83	-0.00113	PASS
					0	-2.30	-0.00092	PASS
					10	-2.82	-0.00113	PASS
					20	-2.73	-0.00109	PASS
					30	-2.29	-0.00091	PASS
					40	-2.53	-0.00101	PASS
					50	-2.52	-0.00101	PASS
			MCH	VN	-30	-4.33	-0.00171	PASS
					-20	-1.83	-0.00072	PASS
					-10	-2.73	-0.00108	PASS
					0	-5.36	-0.00211	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-2.88	-0.00114	PASS
					20	-4.71	-0.00186	PASS
					30	-3.78	-0.00149	PASS
					40	-2.57	-0.00101	PASS
					50	-2.20	-0.00087	PASS
			HCH	VN	-30	-3.81	-0.00149	PASS
					-20	-5.34	-0.00208	PASS
					-10	-2.70	-0.00105	PASS
					0	-4.33	-0.00169	PASS
					10	-5.01	-0.00195	PASS
					20	-2.57	-0.001	PASS
					30	-3.26	-0.00127	PASS
					40	-4.43	-0.00173	PASS
					50	-3.68	-0.00143	PASS
		15	LCH	VN	-30	0.97	0.00039	PASS
					-20	0.99	0.00039	PASS
					-10	-1.67	-0.00067	PASS
					0	-0.47	-0.00019	PASS
					10	-0.57	-0.00023	PASS
					20	-0.23	-0.00009	PASS
					30	0.19	0.00008	PASS
					40	1.06	0.00042	PASS
					50	0.92	0.00037	PASS
			MCH	VN	-30	-4.88	-0.00193	PASS
					-20	-3.39	-0.00134	PASS
					-10	-5.31	-0.00209	PASS
					0	-2.92	-0.00115	PASS
					10	-3.93	-0.00155	PASS
					20	-3.89	-0.00153	PASS
					30	-2.82	-0.00111	PASS
					40	-1.82	-0.00072	PASS
					50	-4.33	-0.00171	PASS
			HCH	VN	-30	2.22	0.00087	PASS
					-20	2.46	0.00096	PASS
					-10	1.66	0.00065	PASS
					0	1.44	0.00056	PASS
					10	0.82	0.00032	PASS
					20	2.62	0.00102	PASS
					30	1.39	0.00054	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	0.86	0.00034	PASS
					50	2.25	0.00088	PASS
			LCH	VN	-30	0.06	0.00002	PASS
					-20	1.59	0.00063	PASS
					-10	1.56	0.00062	PASS
					0	0.80	0.00032	PASS
					10	1.96	0.00078	PASS
					20	2.26	0.0009	PASS
					30	-0.03	-0.00001	PASS
					40	1.37	0.00055	PASS
					50	2.35	0.00094	PASS
			MCH	VN	-30	-4.53	-0.00179	PASS
					-20	-4.55	-0.00179	PASS
					-10	-3.13	-0.00123	PASS
					0	-2.65	-0.00105	PASS
					10	-3.81	-0.0015	PASS
					20	-2.98	-0.00118	PASS
					30	-4.28	-0.00169	PASS
					40	-2.25	-0.00089	PASS
			HCH	VN	50	-5.14	-0.00203	PASS
					-30	1.49	0.00058	PASS
					-20	-0.03	-0.00001	PASS
					-10	-1.12	-0.00044	PASS
					0	-0.24	-0.00009	PASS
					10	0.70	0.00027	PASS
					20	-0.34	-0.00013	PASS
					30	1.83	0.00071	PASS
					40	1.06	0.00041	PASS
					50	0.72	0.00028	PASS

END