

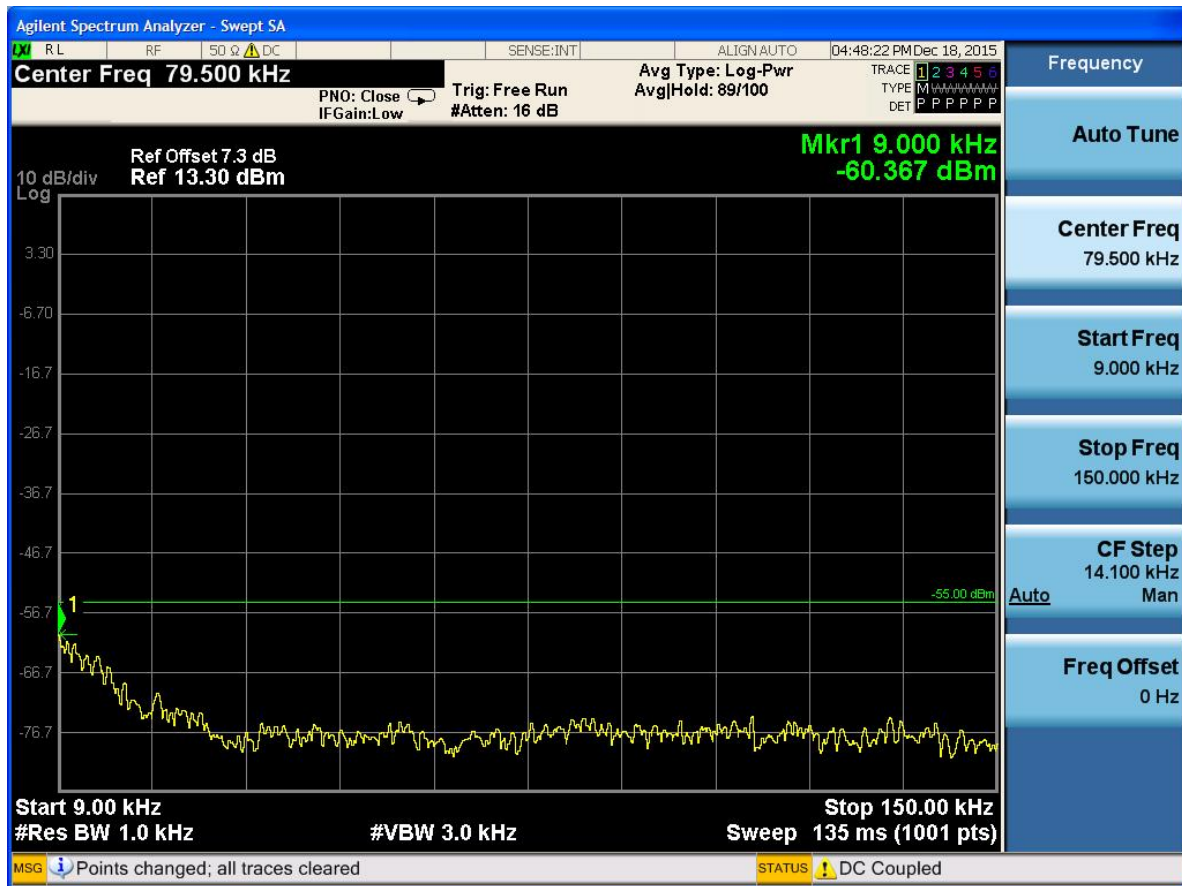


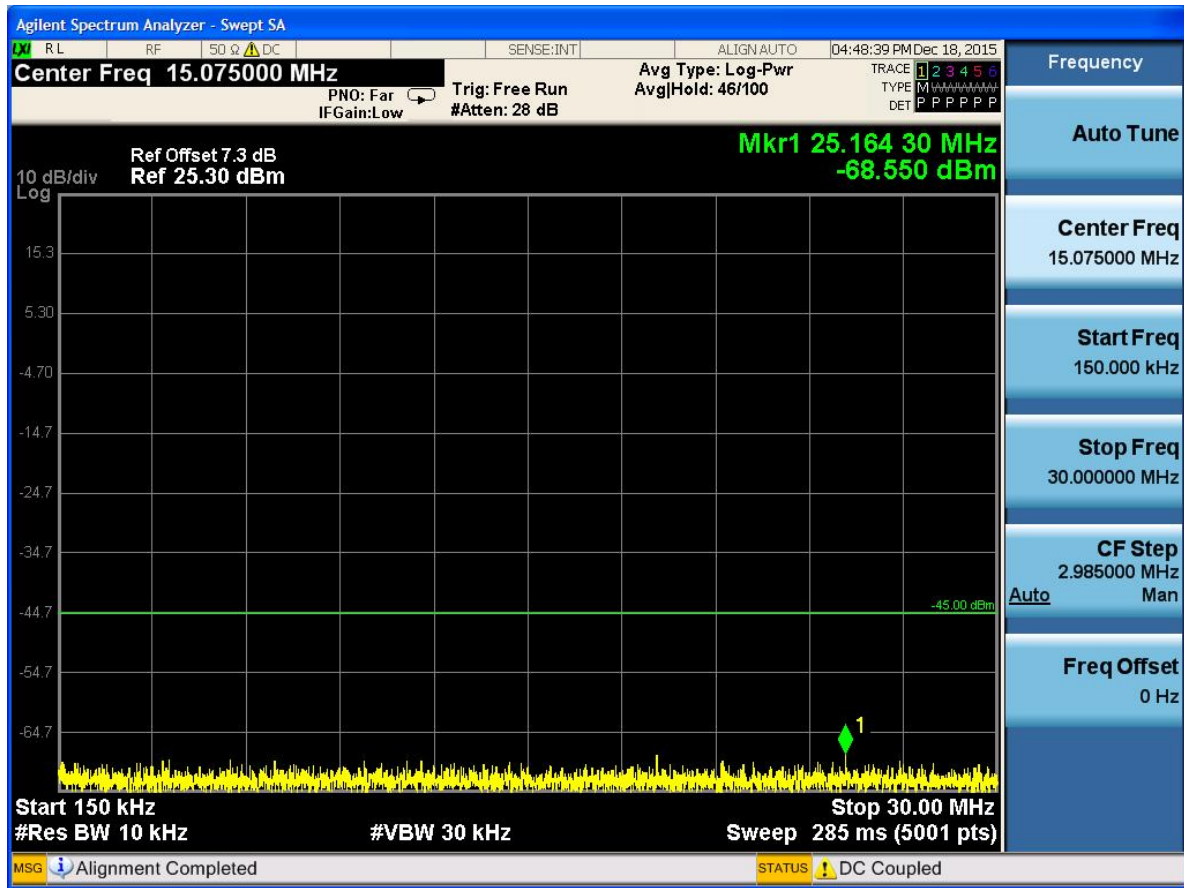


6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0







6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

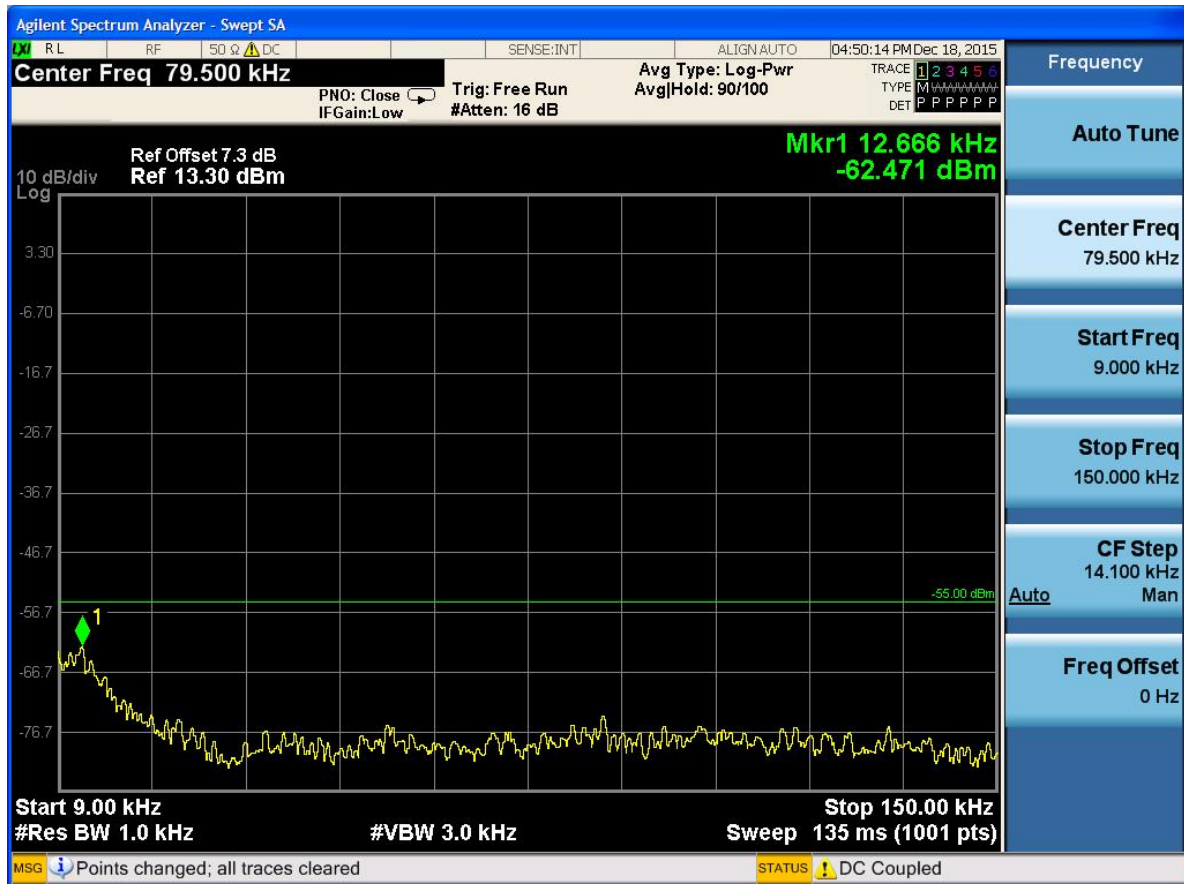






6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







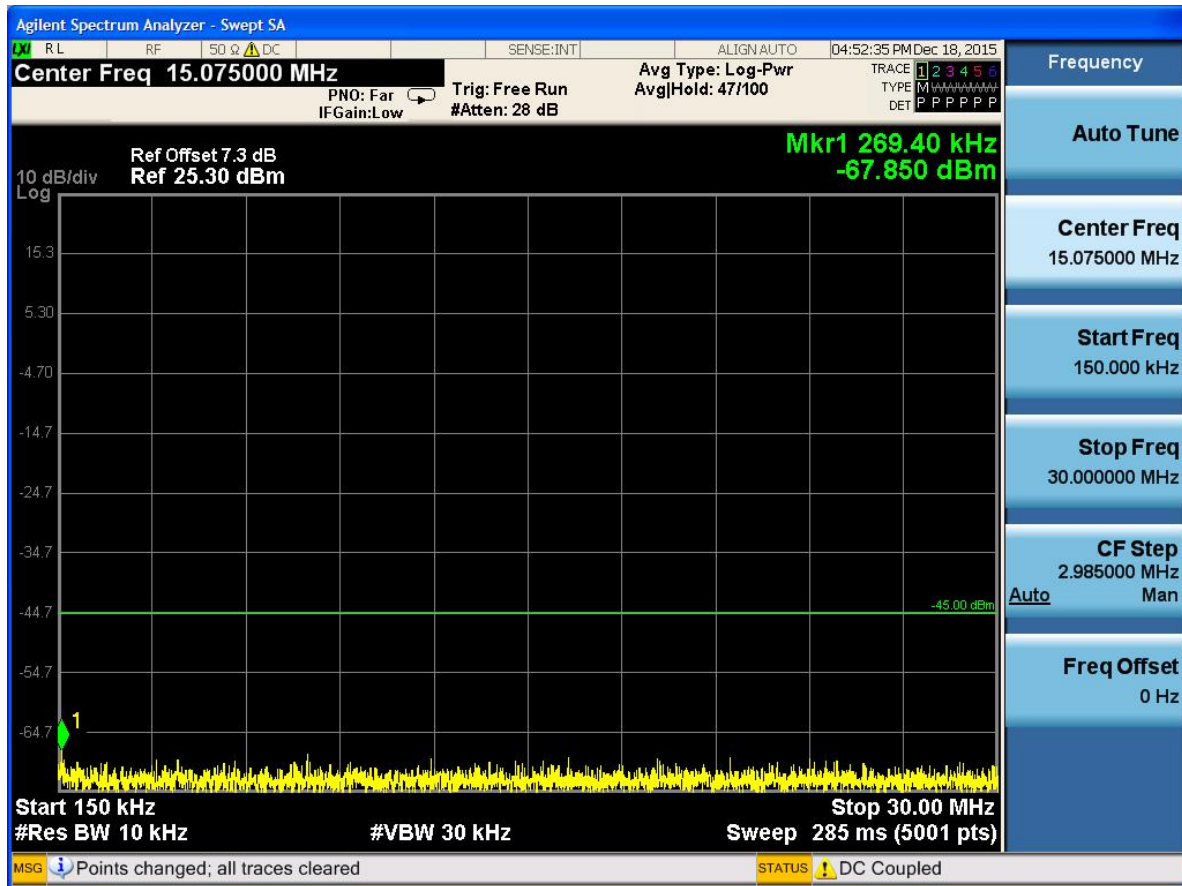
6.1.1.2 Test Mode = LTE/TM2

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

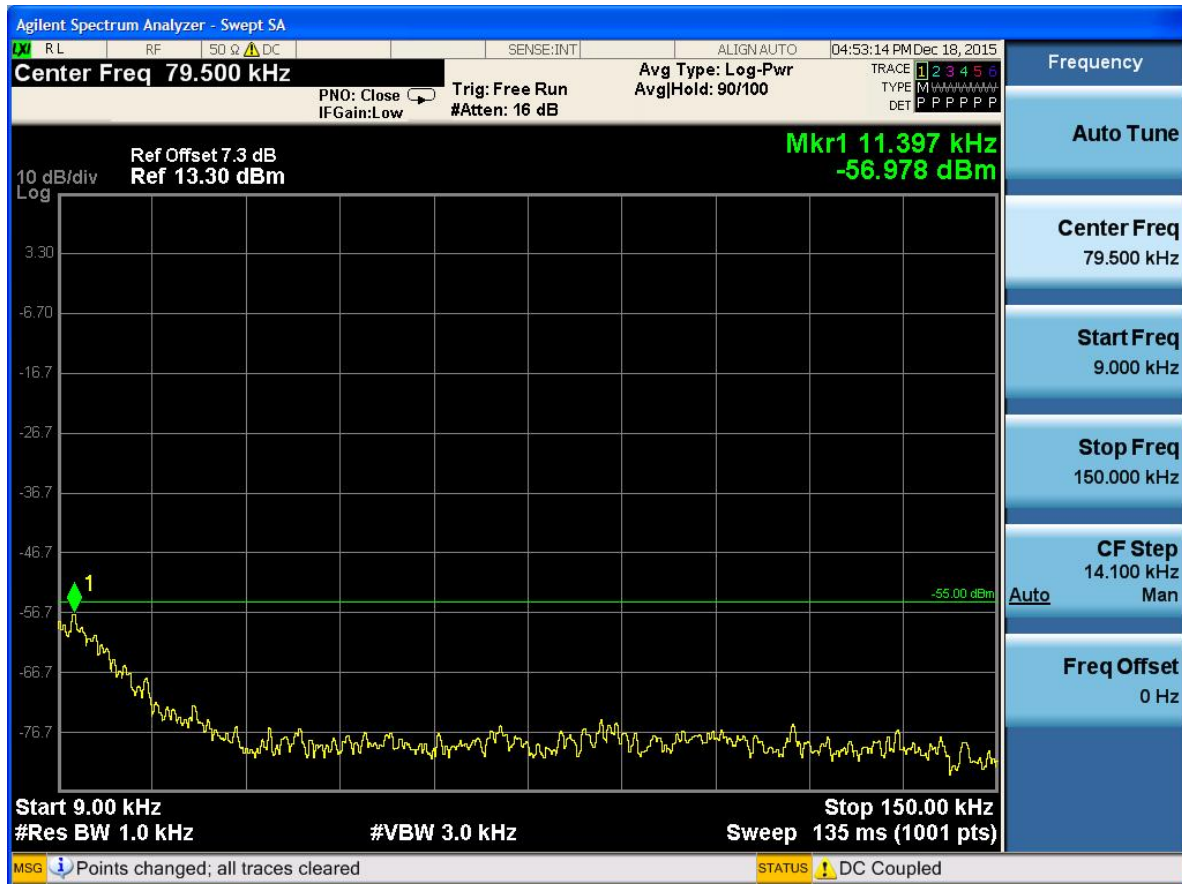


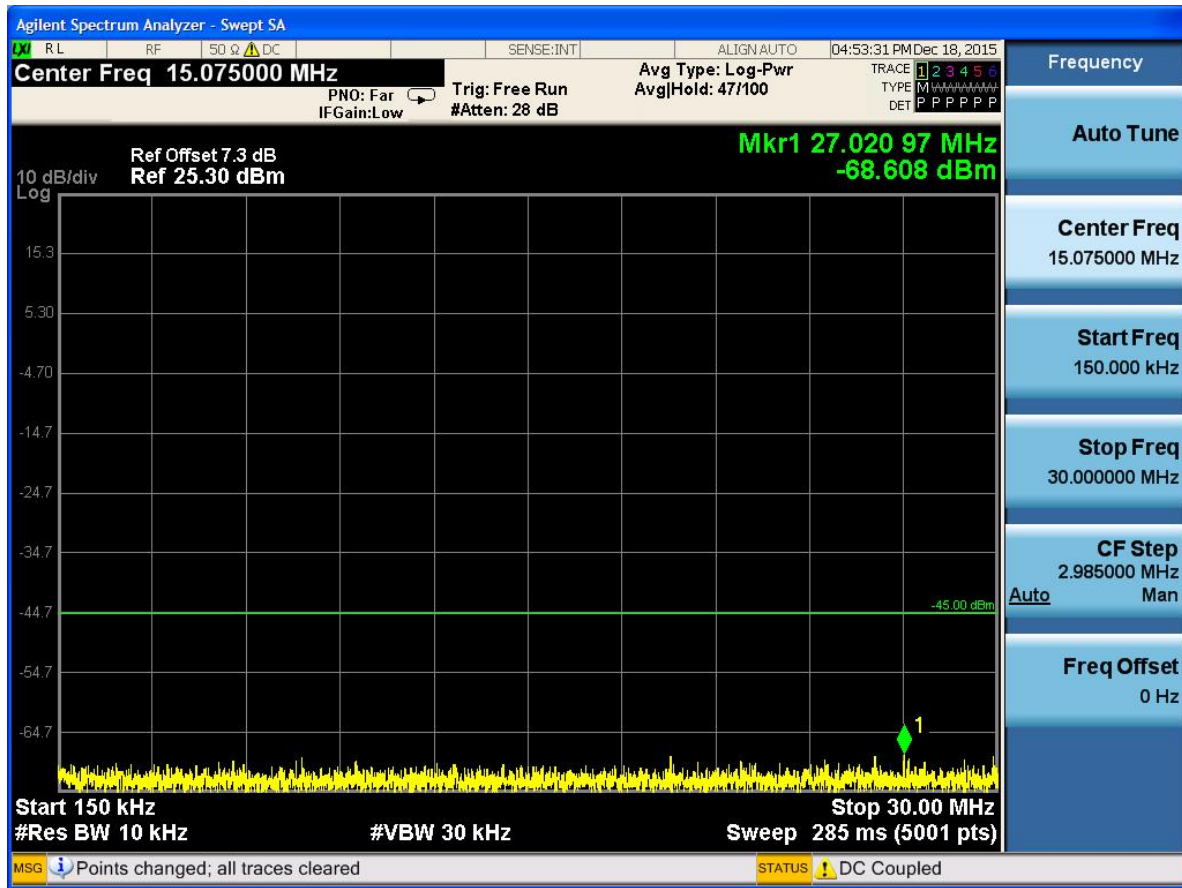




6.1.1.2.1.2 Test Channel = MCH

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





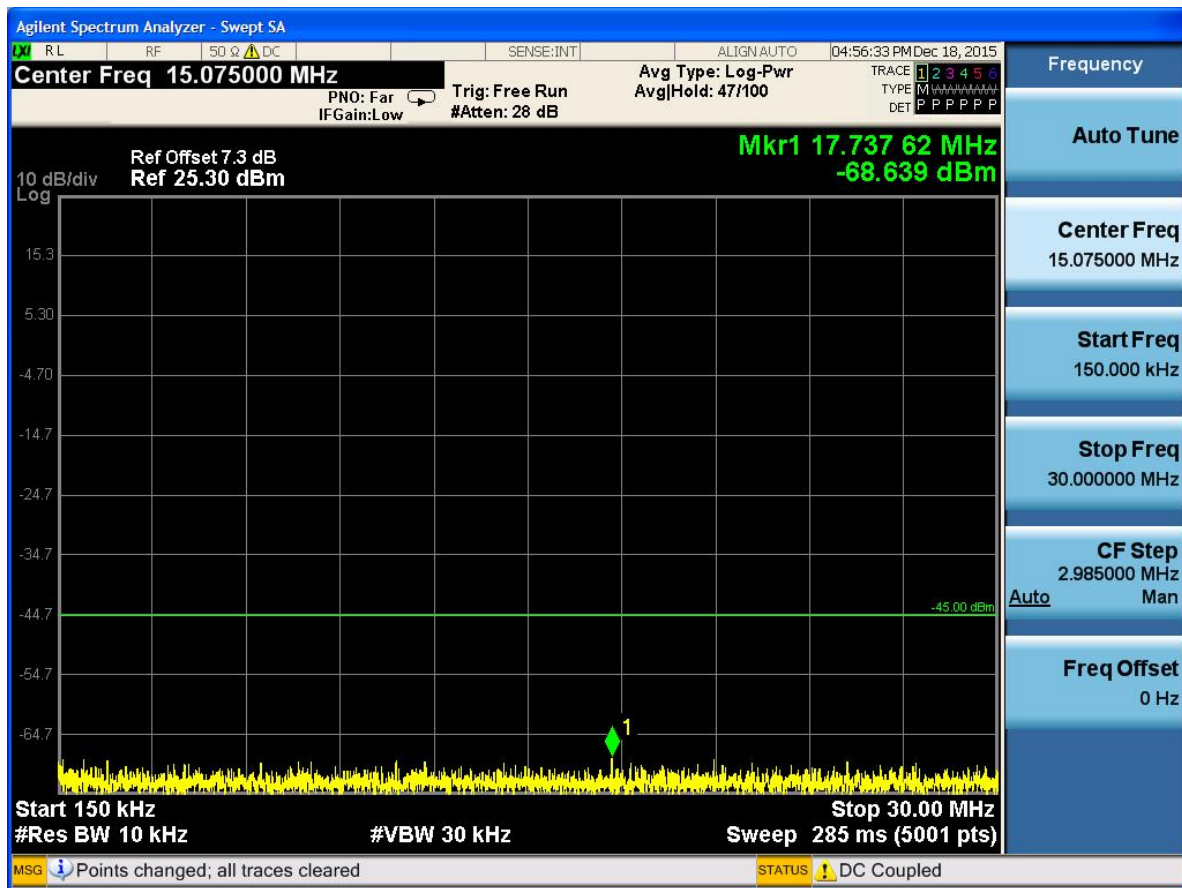


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

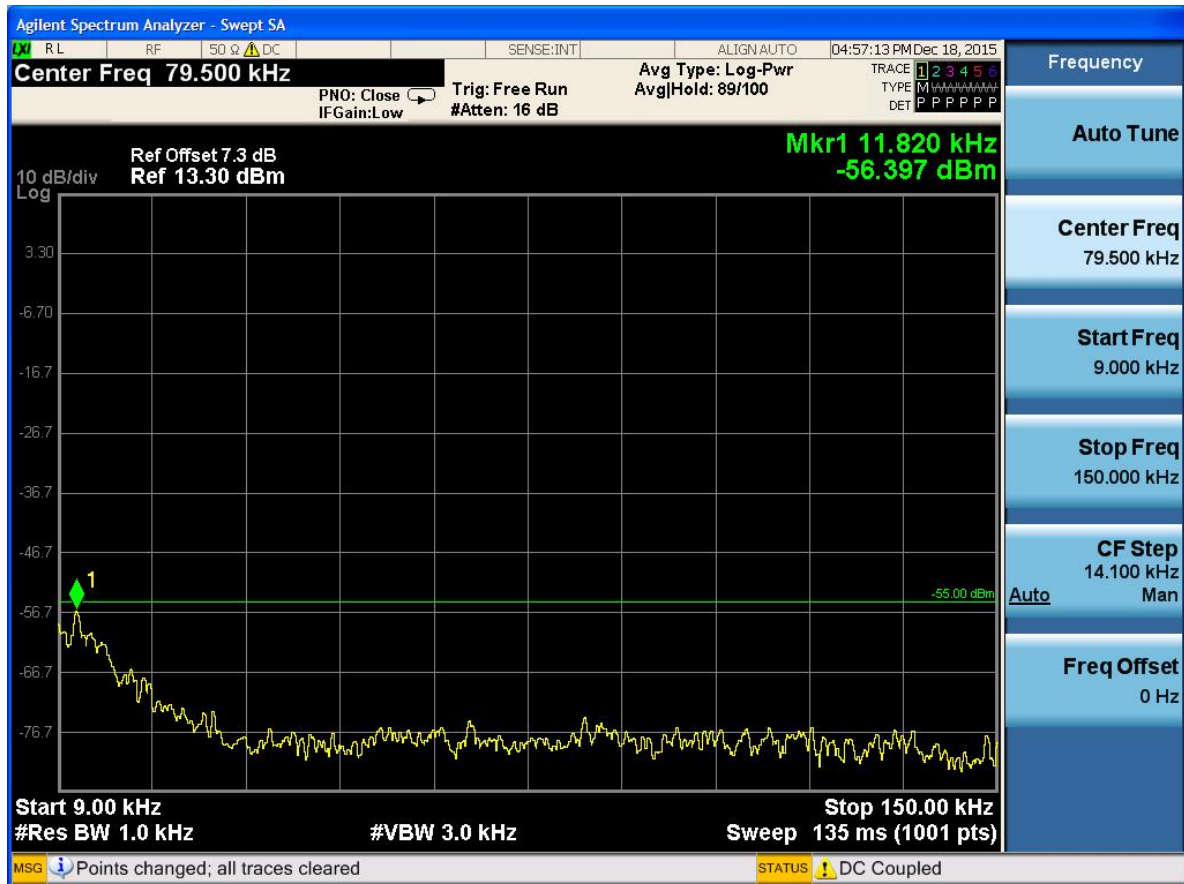






6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

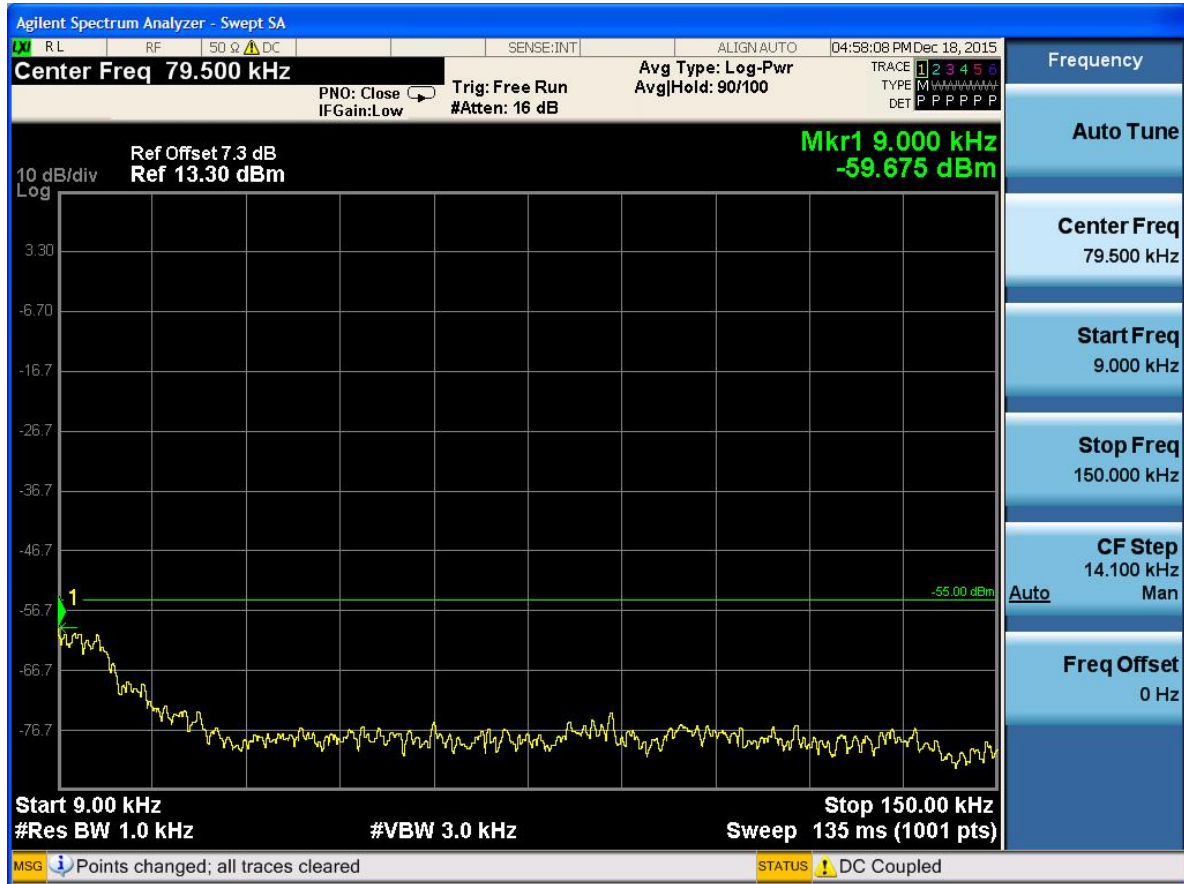






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





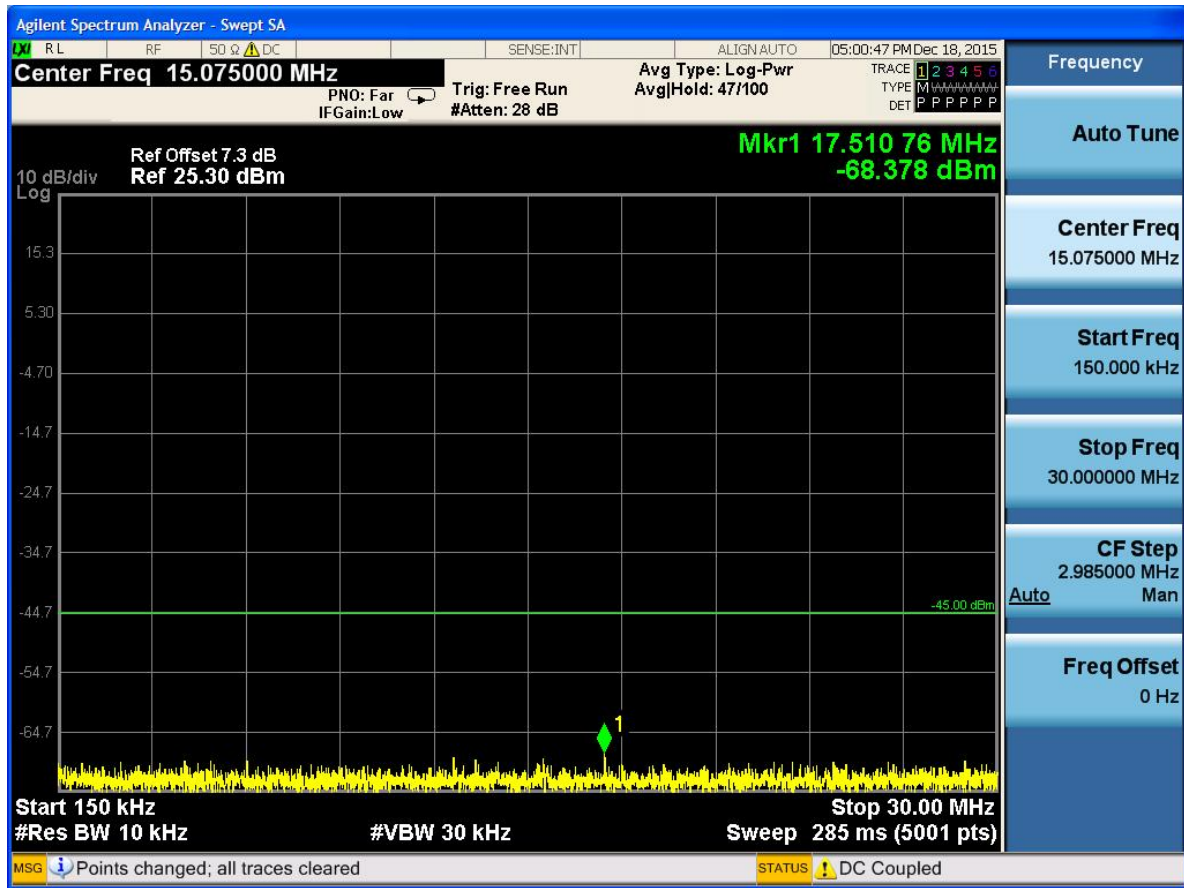


6.1.1.2.3 Test Bandwidth = 15

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

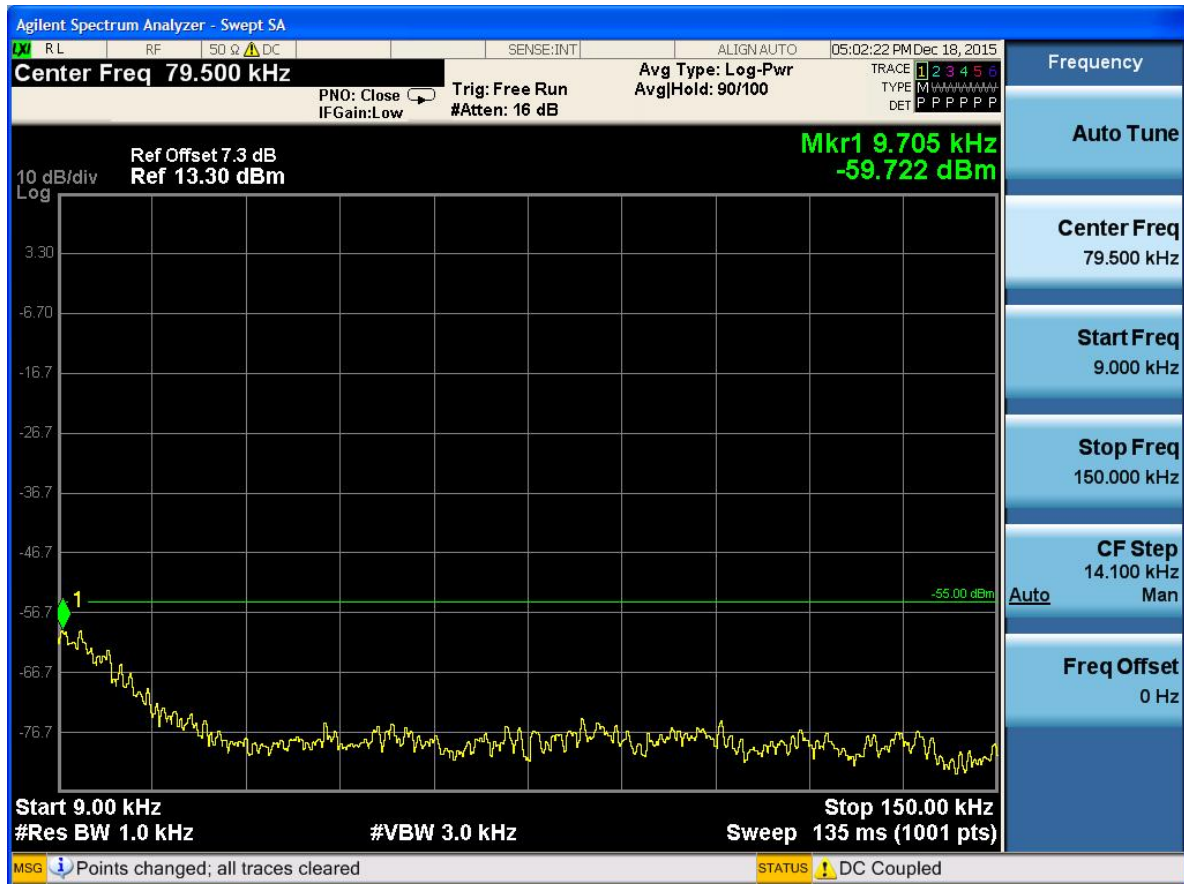






6.1.1.2.3.3 Test Channel = HCH

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

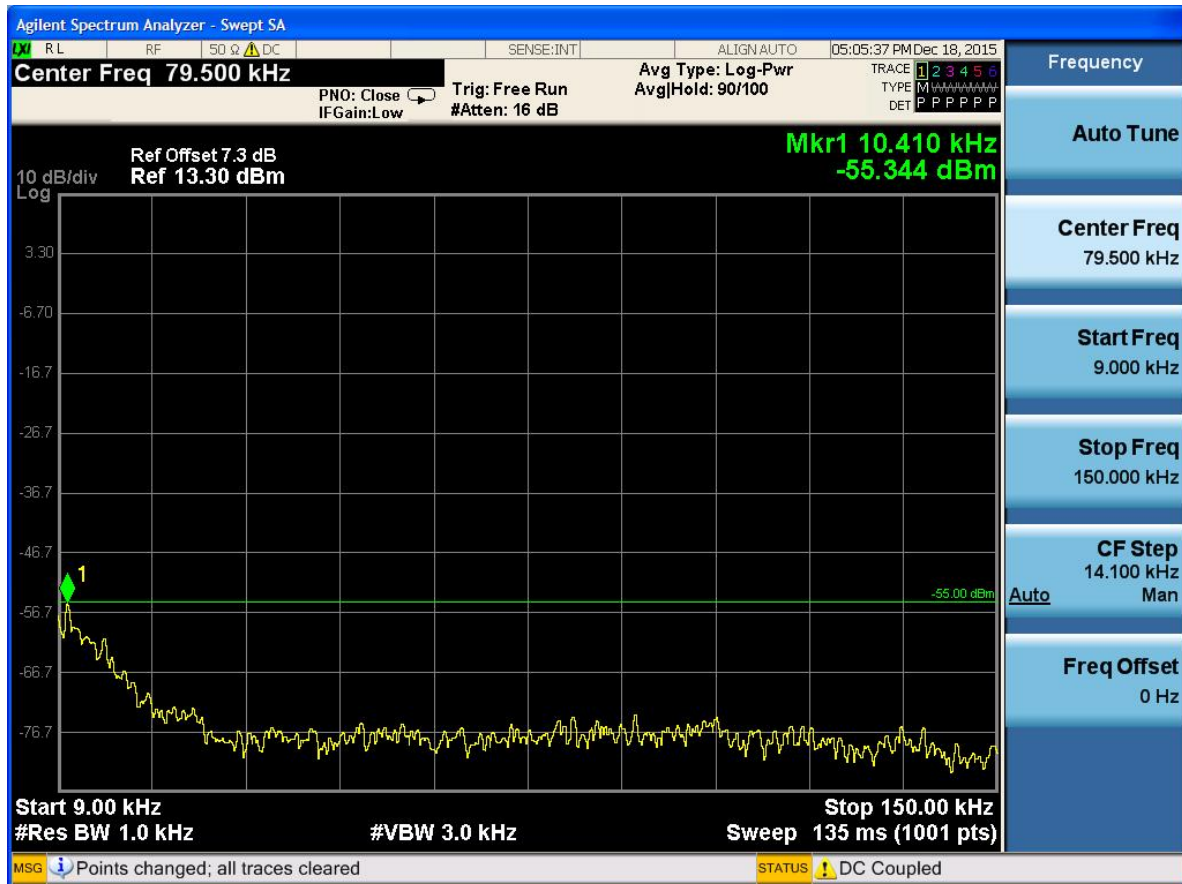






6.1.1.2.4.2 Test Channel = MCH

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: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

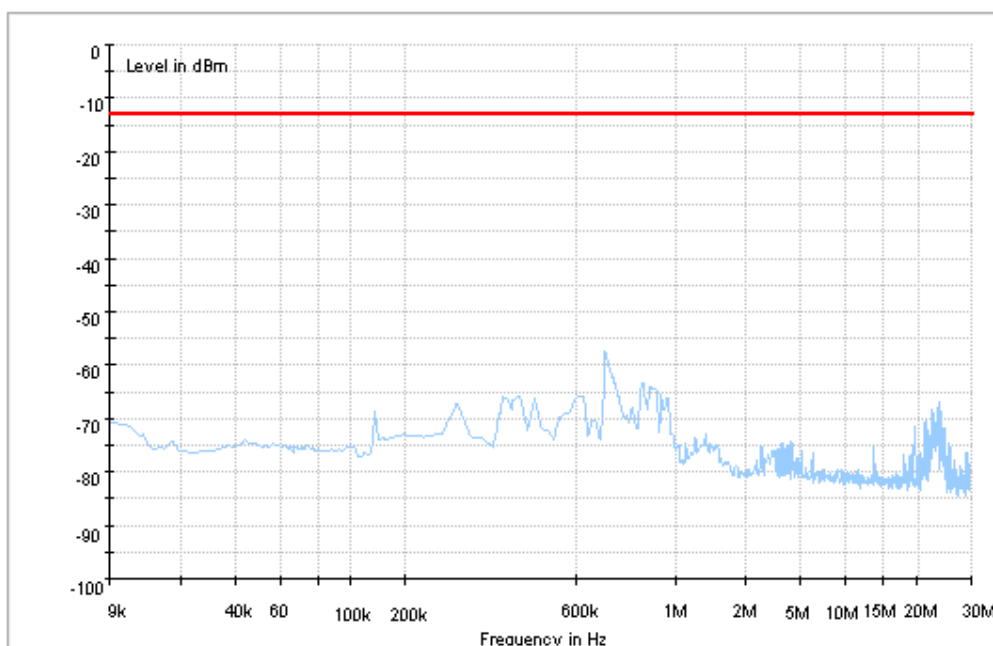
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

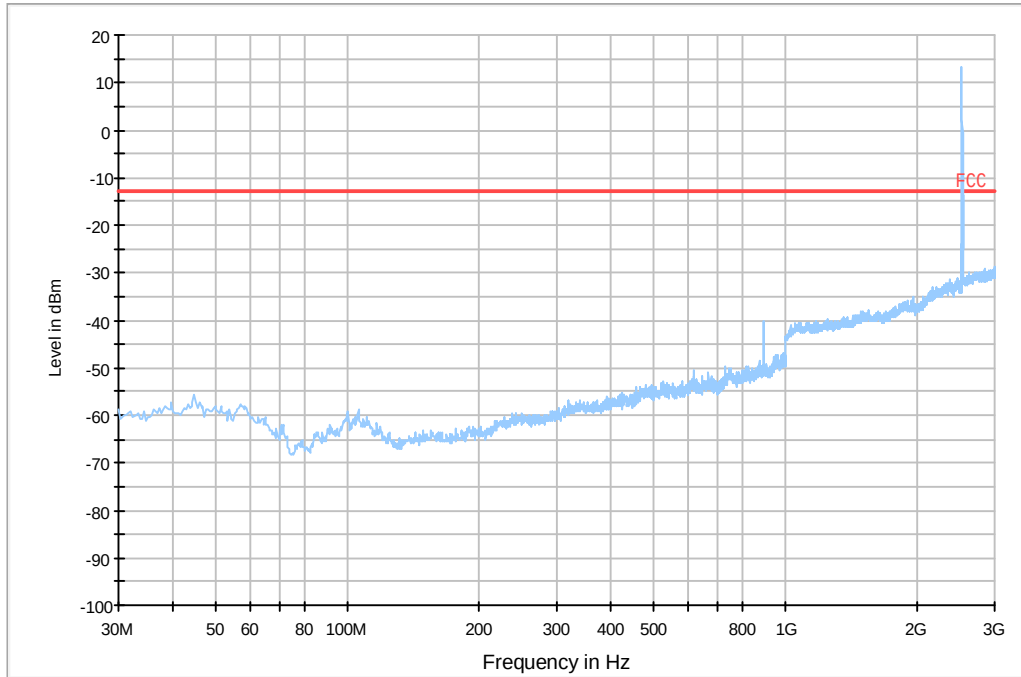
7.1 For LTE

7.1.1 Test Band = BAND7

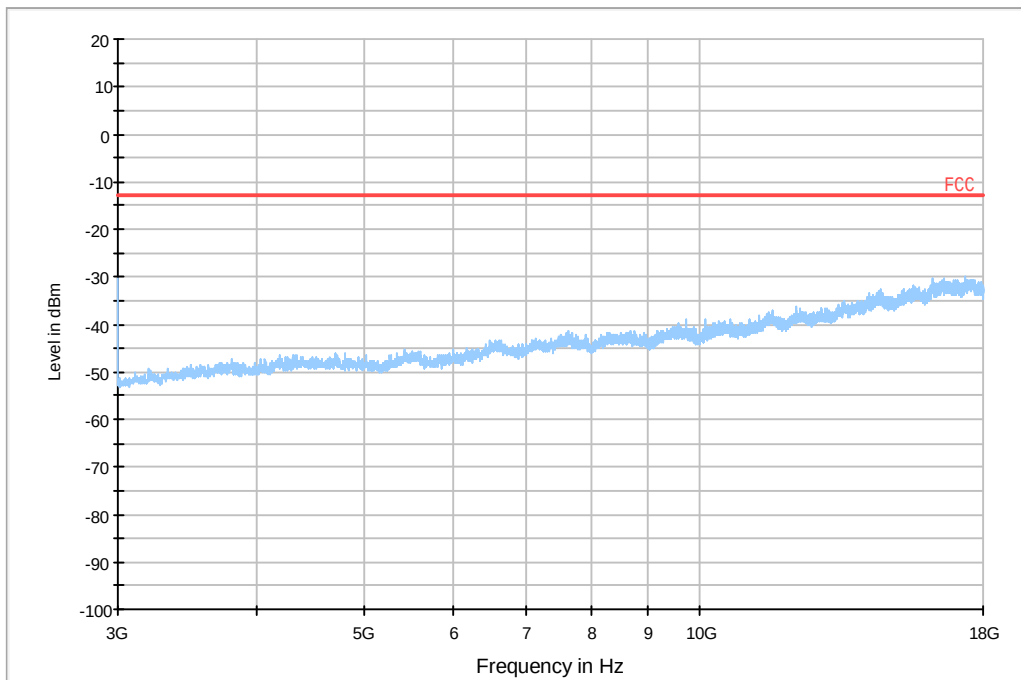
7.1.1.1 Test Bandwidth = 5

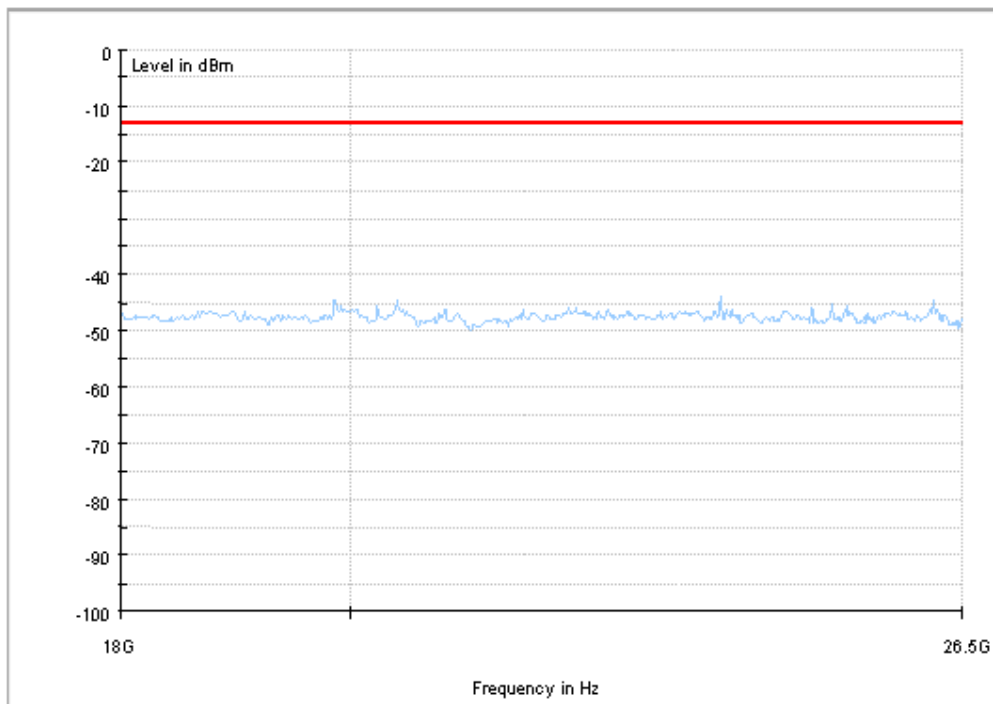


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

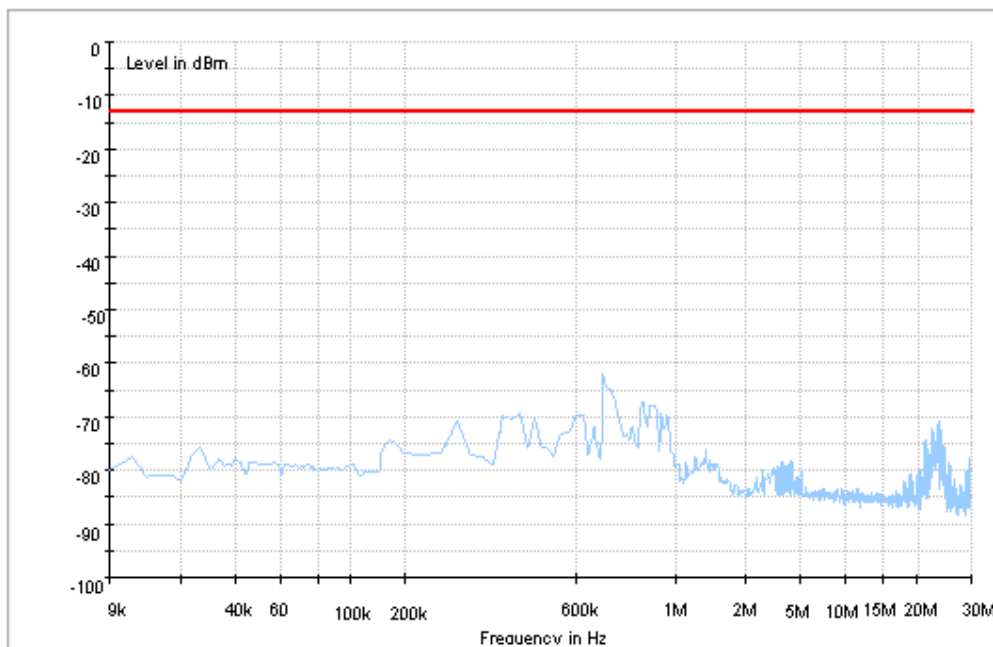


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

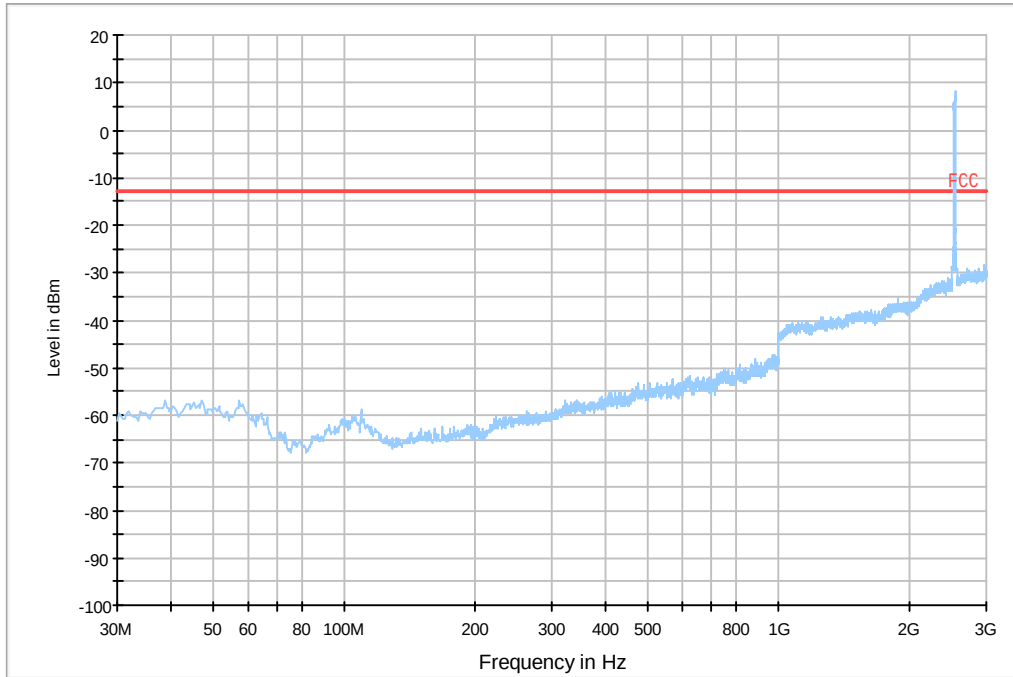




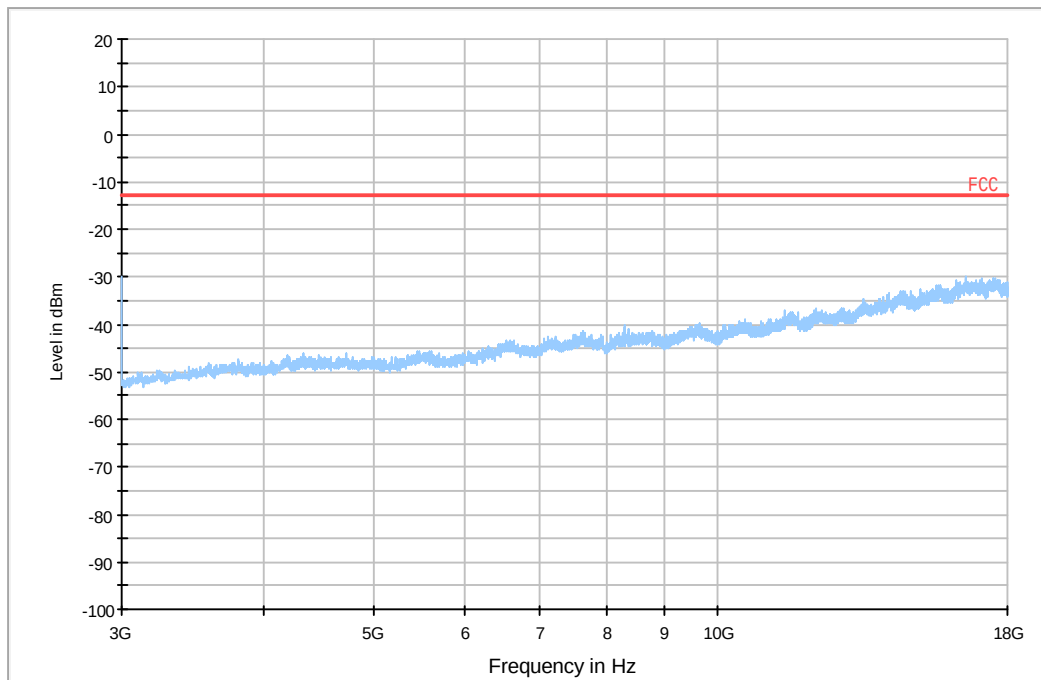
7.1.1.2 Test Bandwidth = 20

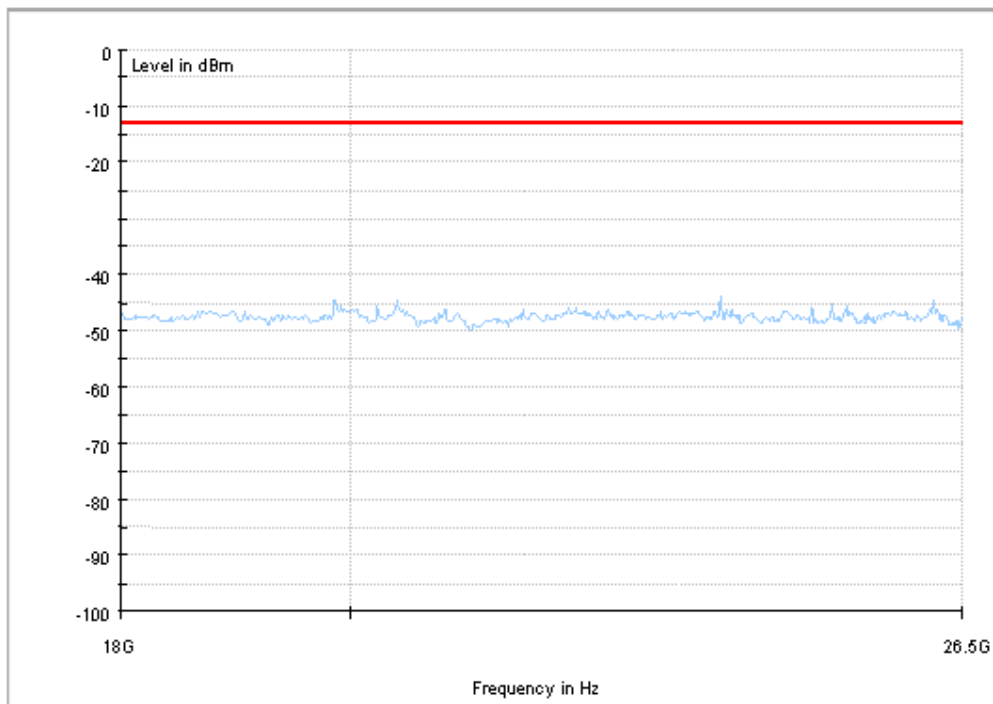


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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	-7.40	-0.00296	PASS
					VN	-4.99	-0.00199	PASS
					VH	-8.55	-0.00342	PASS
			MCH	TN	VL	-11.00	-0.00434	PASS
					VN	-8.05	-0.00318	PASS
					VH	-7.07	-0.00279	PASS
			HCH	TN	VL	-9.26	-0.00361	PASS
					VN	-7.01	-0.00273	PASS
					VH	-8.03	-0.00313	PASS
		10	LCH	TN	VL	-4.42	-0.00176	PASS
					VN	-5.82	-0.00232	PASS
					VH	-4.69	-0.00187	PASS
			MCH	TN	VL	-7.02	-0.00277	PASS
					VN	-1.49	-0.00059	PASS
					VH	-2.55	-0.00101	PASS
			HCH	TN	VL	-1.60	-0.00062	PASS
					VN	-2.12	-0.00083	PASS
					VH	-0.26	-0.0001	PASS
		15	LCH	TN	VL	-6.71	-0.00268	PASS
					VN	-4.56	-0.00182	PASS
					VH	-6.87	-0.00274	PASS
			MCH	TN	VL	-6.02	-0.00237	PASS
					VN	-5.55	-0.00219	PASS
					VH	-5.11	-0.00202	PASS
			HCH	TN	VL	-3.19	-0.00124	PASS
					VN	-5.28	-0.00206	PASS
					VH	-4.99	-0.00195	PASS
		20	LCH	TN	VL	-13.40	-0.00534	PASS
					VN	-13.02	-0.00519	PASS
					VH	-12.82	-0.00511	PASS
			MCH	TN	VL	-6.78	-0.00267	PASS
					VN	-2.78	-0.0011	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		HCH	TN	VH	-5.35	-0.00211	PASS
					VL	-2.89	-0.00113	PASS
					VN	-3.71	-0.00145	PASS
					VH	-1.59	-0.00062	PASS
		5	LCH	TN	VL	-11.90	-0.00476	PASS
					VN	-8.15	-0.00326	PASS
					VH	-8.35	-0.00334	PASS
			MCH	TN	VL	-5.99	-0.00236	PASS
					VN	-8.68	-0.00342	PASS
					VH	-6.69	-0.00264	PASS
			HCH	TN	VL	-4.73	-0.00184	PASS
					VN	-4.31	-0.00168	PASS
					VH	-3.65	-0.00142	PASS
		10	LCH	TN	VL	-4.33	-0.00173	PASS
					VN	-5.78	-0.00231	PASS
					VH	-10.37	-0.00414	PASS
			MCH	TN	VL	-0.90	-0.00036	PASS
					VN	-3.33	-0.00131	PASS
					VH	-5.92	-0.00234	PASS
			HCH	TN	VL	-2.82	-0.0011	PASS
					VN	-1.32	-0.00051	PASS
					VH	-0.62	-0.00024	PASS
		15	LCH	TN	VL	-7.71	-0.00307	PASS
					VN	-9.33	-0.00372	PASS
					VH	-5.81	-0.00232	PASS
			MCH	TN	VL	-5.74	-0.00226	PASS
					VN	-4.92	-0.00194	PASS
					VH	-7.18	-0.00283	PASS
			HCH	TN	VL	-3.49	-0.00136	PASS
					VN	-4.52	-0.00176	PASS
					VH	-3.12	-0.00122	PASS
		20	LCH	TN	VL	-5.41	-0.00216	PASS
					VN	-7.67	-0.00306	PASS
					VH	-6.87	-0.00274	PASS
			MCH	TN	VL	-6.92	-0.00273	PASS
					VN	-5.88	-0.00232	PASS
					VH	-7.47	-0.00295	PASS
			HCH	TN	VL	-3.42	-0.00134	PASS
					VN	-5.42	-0.00212	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-2.05	-0.0008	PASS

8.1.2 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	-8.28	-0.00331	PASS
					-20	-5.19	-0.00207	PASS
					-10	-3.96	-0.00158	PASS
					0	-9.68	-0.00387	PASS
					10	-8.08	-0.00323	PASS
					20	-4.38	-0.00175	PASS
					30	-5.49	-0.00219	PASS
					40	-6.64	-0.00265	PASS
					50	-5.66	-0.00226	PASS
			MCH	VN	-30	-7.18	-0.00283	PASS
					-20	-7.15	-0.00282	PASS
					-10	-0.56	-0.00022	PASS
					0	-7.52	-0.00297	PASS
					10	-4.75	-0.00187	PASS
					20	-5.25	-0.00207	PASS
					30	-6.25	-0.00247	PASS
					40	-4.15	-0.00164	PASS
					50	-6.92	-0.00273	PASS
			HCH	VN	-30	-4.23	-0.00165	PASS
					-20	-4.38	-0.00171	PASS
					-10	-9.54	-0.00372	PASS
					0	-9.30	-0.00362	PASS
					10	-5.98	-0.00233	PASS
					20	-6.04	-0.00235	PASS
					30	-4.63	-0.0018	PASS
					40	0.07	0.00003	PASS
					50	-2.15	-0.00084	PASS
		10	LCH	VN	-30	-6.58	-0.00263	PASS
					-20	-7.47	-0.00298	PASS
					-10	-7.57	-0.00302	PASS
					0	-6.31	-0.00252	PASS
					10	-7.28	-0.00291	PASS
					20	-5.84	-0.00233	PASS
					30	-4.92	-0.00196	PASS
					40	-4.26	-0.0017	PASS
					50	-6.54	-0.00261	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	-30	-2.53	-0.001	PASS
					-20	-1.97	-0.00078	PASS
					-10	-6.24	-0.00246	PASS
					0	-2.63	-0.00104	PASS
					10	-0.44	-0.00017	PASS
					20	-3.93	-0.00155	PASS
					30	-2.99	-0.00118	PASS
					40	-2.22	-0.00088	PASS
					50	-7.41	-0.00292	PASS
			HCH	VN	-30	-3.91	-0.00152	PASS
					-20	-1.07	-0.00042	PASS
					-10	-3.35	-0.00131	PASS
					0	-3.38	-0.00132	PASS
					10	-2.72	-0.00106	PASS
					20	-4.68	-0.00182	PASS
					30	-3.43	-0.00134	PASS
					40	-1.02	-0.0004	PASS
					50	-0.27	-0.00011	PASS
		15	LCH	VN	-30	-4.78	-0.00191	PASS
					-20	-3.32	-0.00132	PASS
					-10	-6.09	-0.00243	PASS
					0	-0.06	-0.00002	PASS
					10	-3.62	-0.00144	PASS
					20	0.23	0.00009	PASS
					30	-2.49	-0.00099	PASS
					40	-1.14	-0.00045	PASS
					50	0.80	0.00032	PASS
			MCH	VN	-30	0.09	0.00004	PASS
					-20	-3.62	-0.00143	PASS
					-10	-3.05	-0.0012	PASS
					0	-2.23	-0.00088	PASS
					10	-4.82	-0.0019	PASS
					20	-0.33	-0.00013	PASS
					30	-1.30	-0.00051	PASS
					40	-3.33	-0.00131	PASS
					50	-2.76	-0.00109	PASS
			HCH	VN	-30	-0.43	-0.00017	PASS
					-20	-1.52	-0.00059	PASS
					-10	-0.26	-0.0001	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	1.54	0.0006	PASS
					10	-2.25	-0.00088	PASS
					20	0.73	0.00028	PASS
					30	-2.49	-0.00097	PASS
					40	-6.75	-0.00263	PASS
					50	-1.46	-0.00057	PASS
			LCH	VN	-30	-2.06	-0.00082	PASS
					-20	-3.35	-0.00133	PASS
					-10	-2.57	-0.00102	PASS
					0	-2.95	-0.00118	PASS
					10	-1.89	-0.00075	PASS
					20	-4.51	-0.0018	PASS
					30	-5.04	-0.00201	PASS
					40	-4.86	-0.00194	PASS
					50	-3.12	-0.00124	PASS
		20	MCH	VN	-30	-5.62	-0.00222	PASS
					-20	-2.98	-0.00118	PASS
					-10	-3.19	-0.00126	PASS
					0	-4.23	-0.00167	PASS
					10	-1.92	-0.00076	PASS
					20	-4.39	-0.00173	PASS
					30	-1.70	-0.00067	PASS
					40	-2.99	-0.00118	PASS
					50	-1.96	-0.00077	PASS
			HCH	VN	-30	-1.76	-0.00069	PASS
					-20	-6.81	-0.00266	PASS
					-10	-2.05	-0.0008	PASS
					0	-2.07	-0.00081	PASS
					10	-2.46	-0.00096	PASS
					20	-3.73	-0.00146	PASS
					30	-1.59	-0.00062	PASS
					40	-5.48	-0.00214	PASS
					50	-2.50	-0.00098	PASS
	LTE/TM2	5	LCH	VN	-30	-1.72	-0.00069	PASS
					-20	-3.50	-0.0014	PASS
					-10	-3.53	-0.00141	PASS
					0	-1.95	-0.00078	PASS
					10	-2.63	-0.00105	PASS
					20	-1.66	-0.00066	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-3.50	-0.0014	PASS
					40	-3.76	-0.0015	PASS
					50	-4.09	-0.00163	PASS
			MCH	VN	-30	-0.14	-0.00006	PASS
					-20	-1.66	-0.00065	PASS
					-10	-2.73	-0.00108	PASS
					0	-1.37	-0.00054	PASS
					10	-2.19	-0.00086	PASS
					20	-2.02	-0.0008	PASS
					30	0.64	0.00025	PASS
					40	-0.90	-0.00036	PASS
					50	-4.82	-0.0019	PASS
			HCH	VN	-30	-1.10	-0.00043	PASS
					-20	-2.06	-0.0008	PASS
					-10	-2.59	-0.00101	PASS
					0	-0.34	-0.00013	PASS
					10	-2.06	-0.0008	PASS
					20	-1.14	-0.00044	PASS
					30	-5.16	-0.00201	PASS
					40	-2.80	-0.00109	PASS
					50	-4.48	-0.00174	PASS
		10	LCH	VN	-30	2.32	0.00093	PASS
					-20	-1.87	-0.00075	PASS
					-10	-3.46	-0.00138	PASS
					0	-2.50	-0.001	PASS
					10	-2.27	-0.00091	PASS
					20	-1.90	-0.00076	PASS
					30	-2.73	-0.00109	PASS
					40	-2.59	-0.00103	PASS
					50	-5.99	-0.00239	PASS
			MCH	VN	-30	-1.80	-0.00071	PASS
					-20	-3.40	-0.00134	PASS
					-10	-4.85	-0.00191	PASS
					0	-1.06	-0.00042	PASS
					10	-3.68	-0.00145	PASS
					20	-2.26	-0.00089	PASS
					30	-3.83	-0.00151	PASS
					40	-1.22	-0.00048	PASS
					50	0.31	0.00012	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	-0.79	-0.00031	PASS
					-20	-2.20	-0.00086	PASS
					-10	-1.07	-0.00042	PASS
					0	-4.28	-0.00167	PASS
					10	-1.66	-0.00065	PASS
					20	-0.13	-0.00005	PASS
					30	0.97	0.00038	PASS
					40	-2.68	-0.00104	PASS
					50	0.94	0.00037	PASS
		15	LCH	VN	-30	-5.51	-0.0022	PASS
					-20	-7.22	-0.00288	PASS
					-10	-1.14	-0.00045	PASS
					0	-5.05	-0.00201	PASS
					10	-3.09	-0.00123	PASS
					20	1.20	0.00048	PASS
					30	-0.04	-0.00002	PASS
					40	-3.63	-0.00145	PASS
					50	-3.91	-0.00156	PASS
			MCH	VN	-30	-2.75	-0.00108	PASS
					-20	-2.79	-0.0011	PASS
					-10	-3.12	-0.00123	PASS
					0	-5.25	-0.00207	PASS
					10	-3.81	-0.0015	PASS
					20	0.11	0.00004	PASS
					30	-7.60	-0.003	PASS
					40	-1.54	-0.00061	PASS
					50	-2.00	-0.00079	PASS
			HCH	VN	-30	-0.06	-0.00002	PASS
					-20	-1.76	-0.00069	PASS
					-10	-2.56	-0.001	PASS
					0	-1.72	-0.00067	PASS
					10	-3.26	-0.00127	PASS
					20	-1.82	-0.00071	PASS
					30	-4.18	-0.00163	PASS
					40	-1.10	-0.00043	PASS
					50	-1.76	-0.00069	PASS
		20	LCH	VN	-30	-6.55	-0.00261	PASS
					-20	-5.14	-0.00205	PASS
					-10	-4.96	-0.00198	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-4.16	-0.00166	PASS
					10	-3.66	-0.00146	PASS
					20	-3.48	-0.00139	PASS
					30	-2.53	-0.00101	PASS
					40	-2.98	-0.00119	PASS
					50	-2.72	-0.00108	PASS
			MCH	VN	-30	-1.89	-0.00075	PASS
					-20	-3.52	-0.00139	PASS
					-10	-2.96	-0.00117	PASS
					0	-1.23	-0.00049	PASS
					10	-3.60	-0.00142	PASS
					20	-1.85	-0.00073	PASS
					30	-2.59	-0.00102	PASS
					40	-0.73	-0.00029	PASS
					50	-1.79	-0.00071	PASS
			HCH	VN	-30	-0.49	-0.00019	PASS
					-20	-0.33	-0.00013	PASS
					-10	-4.49	-0.00175	PASS
					0	0.20	0.00008	PASS
					10	-0.57	-0.00022	PASS
					20	0.87	0.00034	PASS
					30	-0.79	-0.00031	PASS
					40	-0.13	-0.00005	PASS
					50	0.77	0.0003	PASS

END