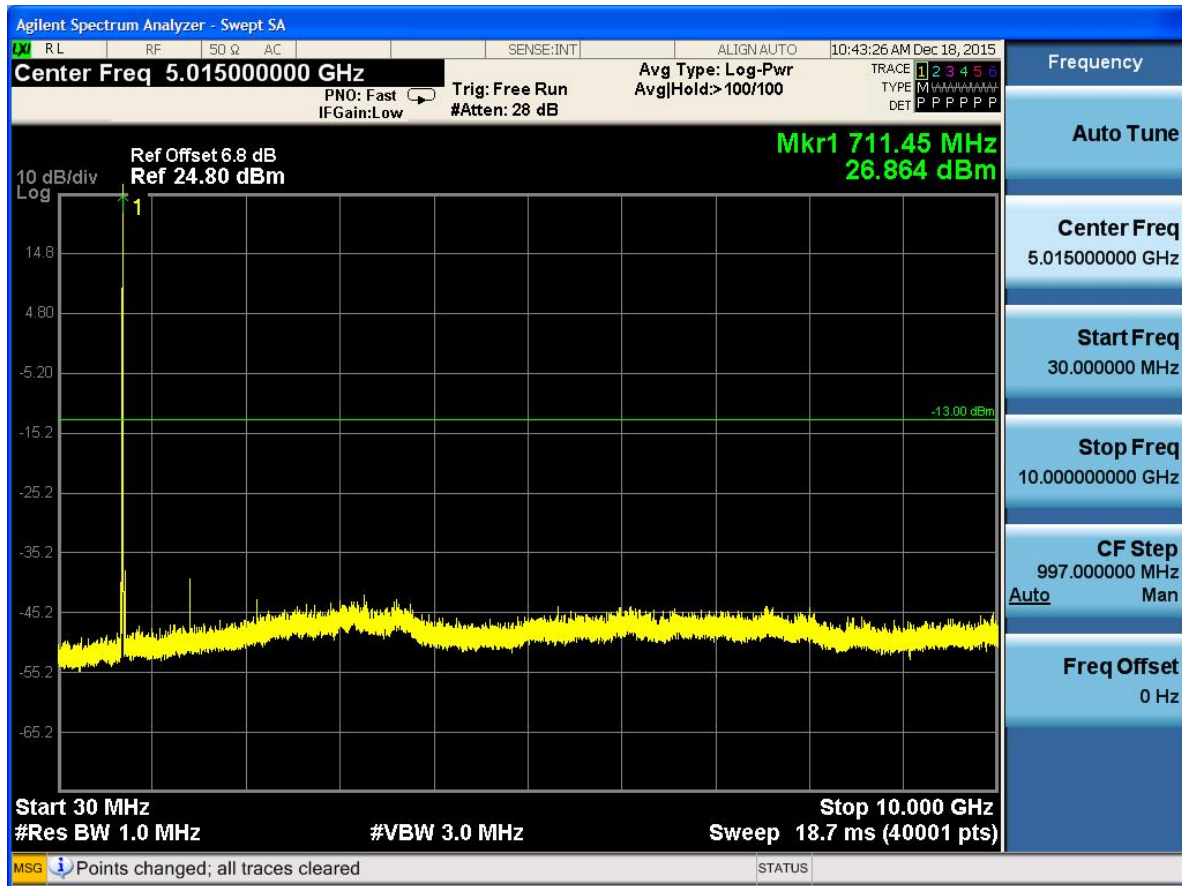


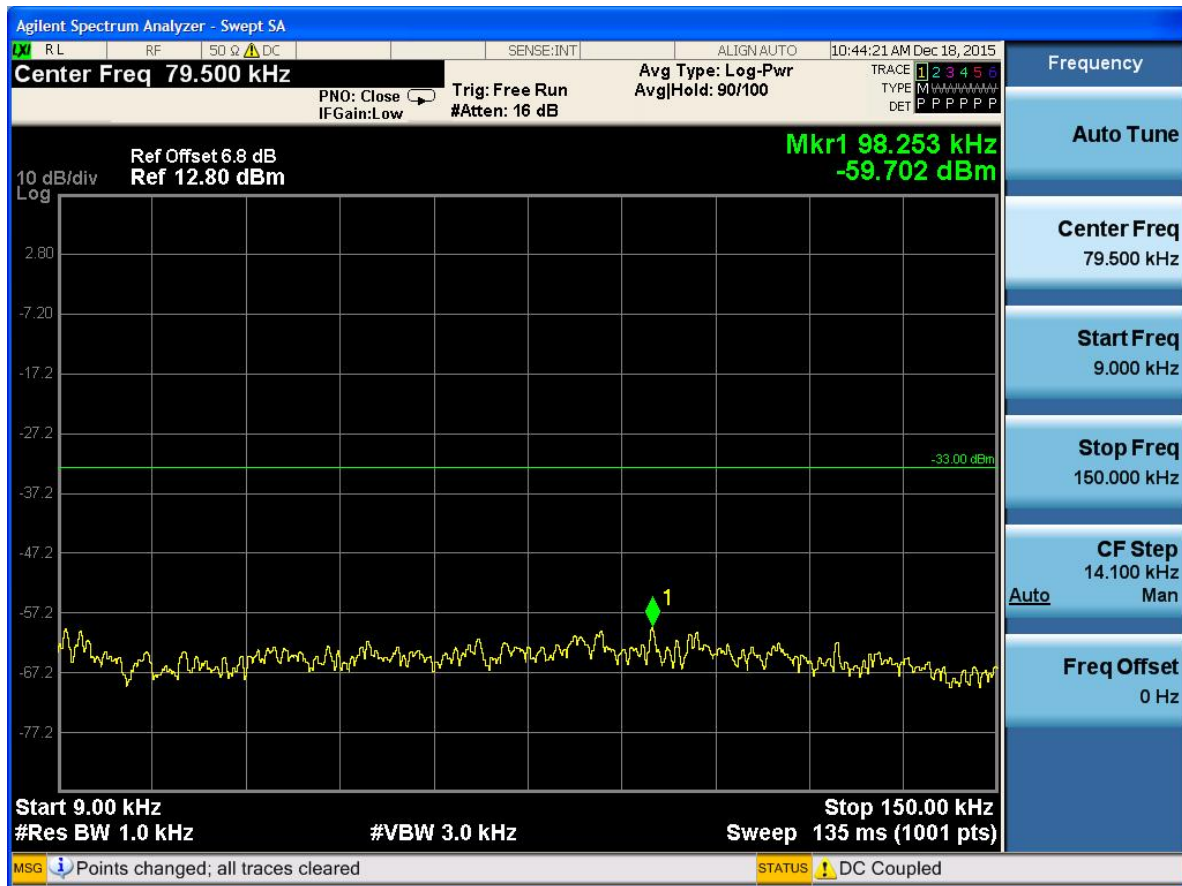




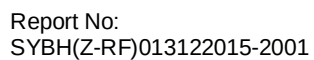
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





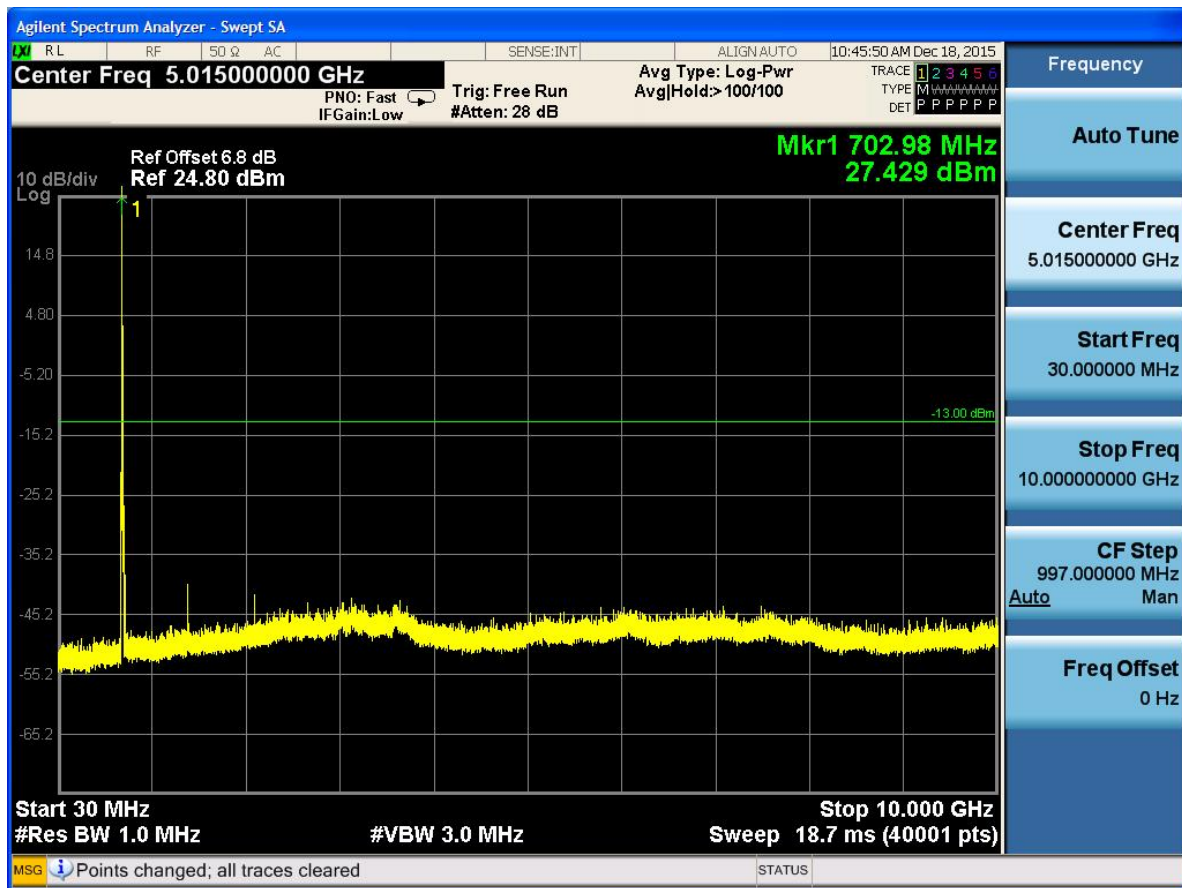


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

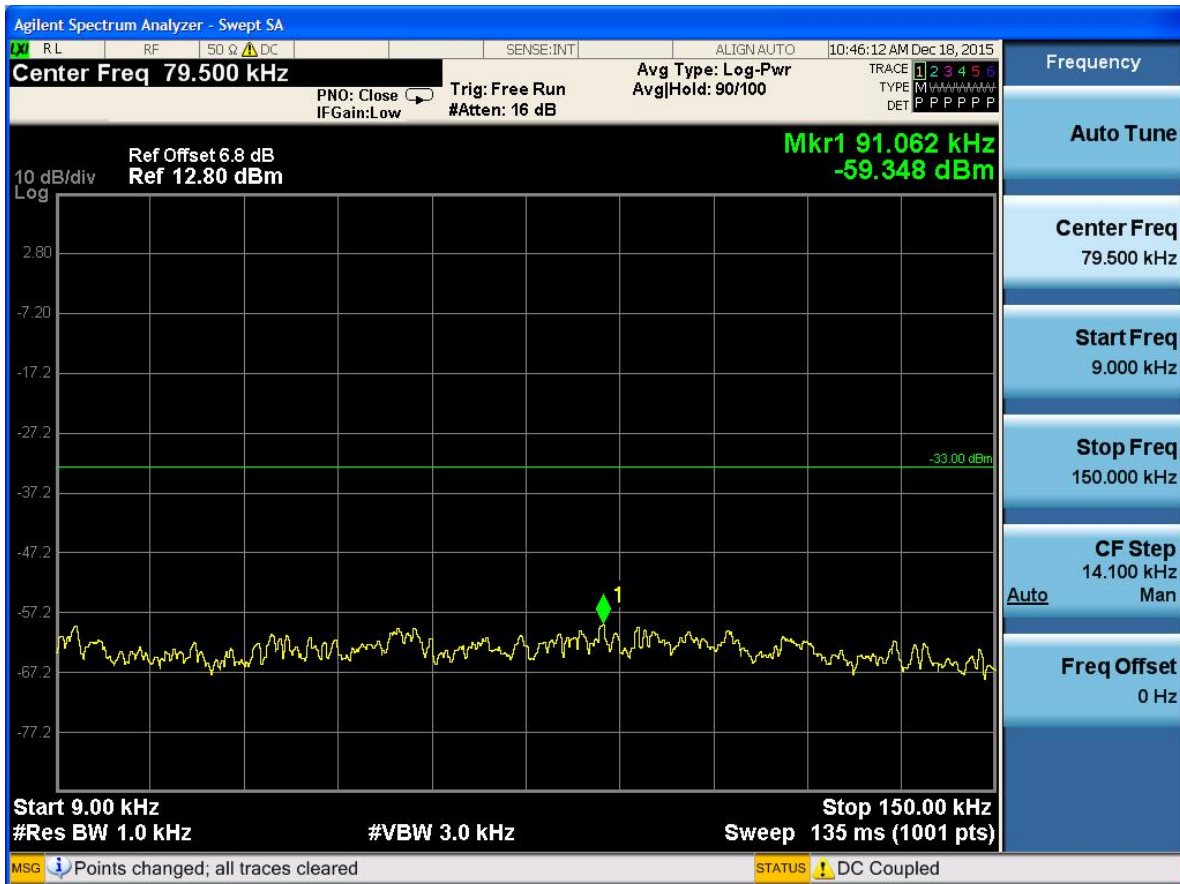






6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





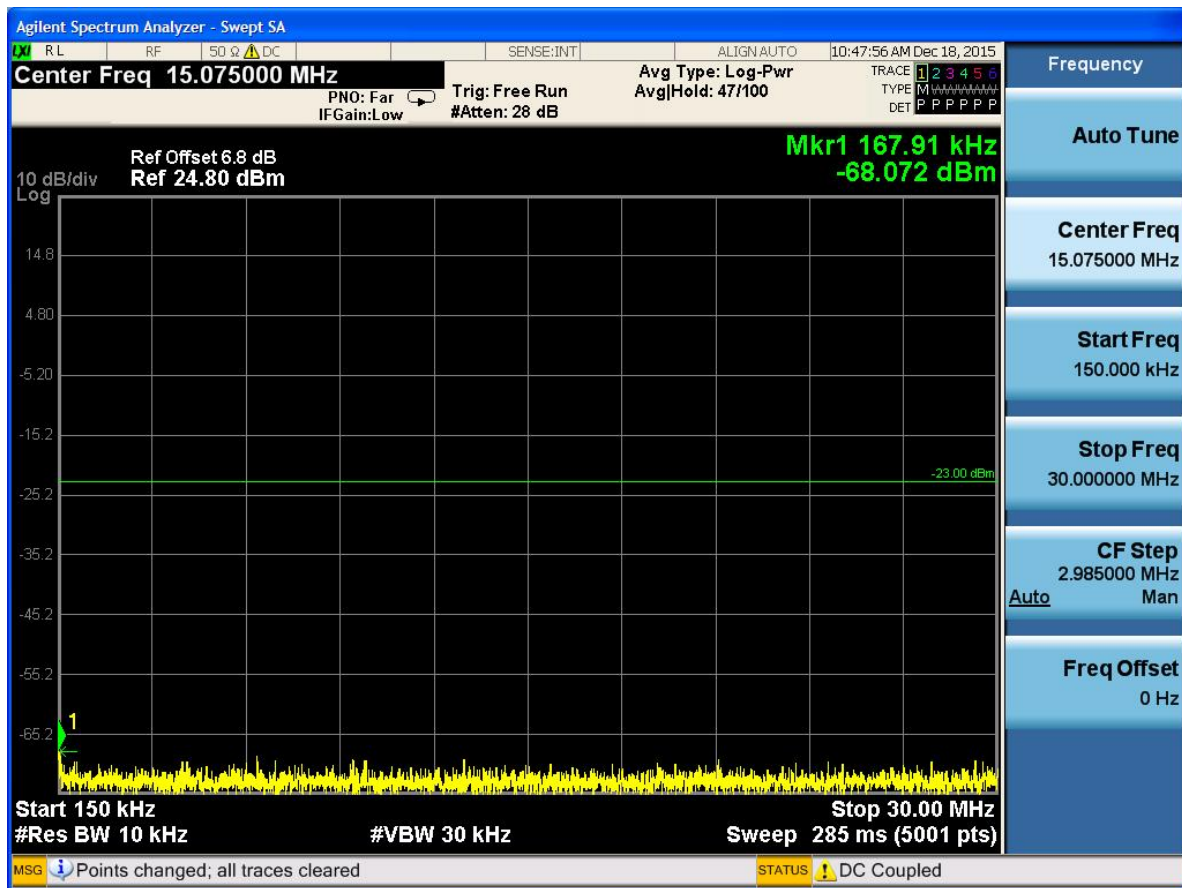
6.1.1.2 Test Mode = LTE/TM2

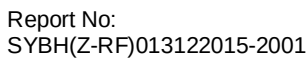
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



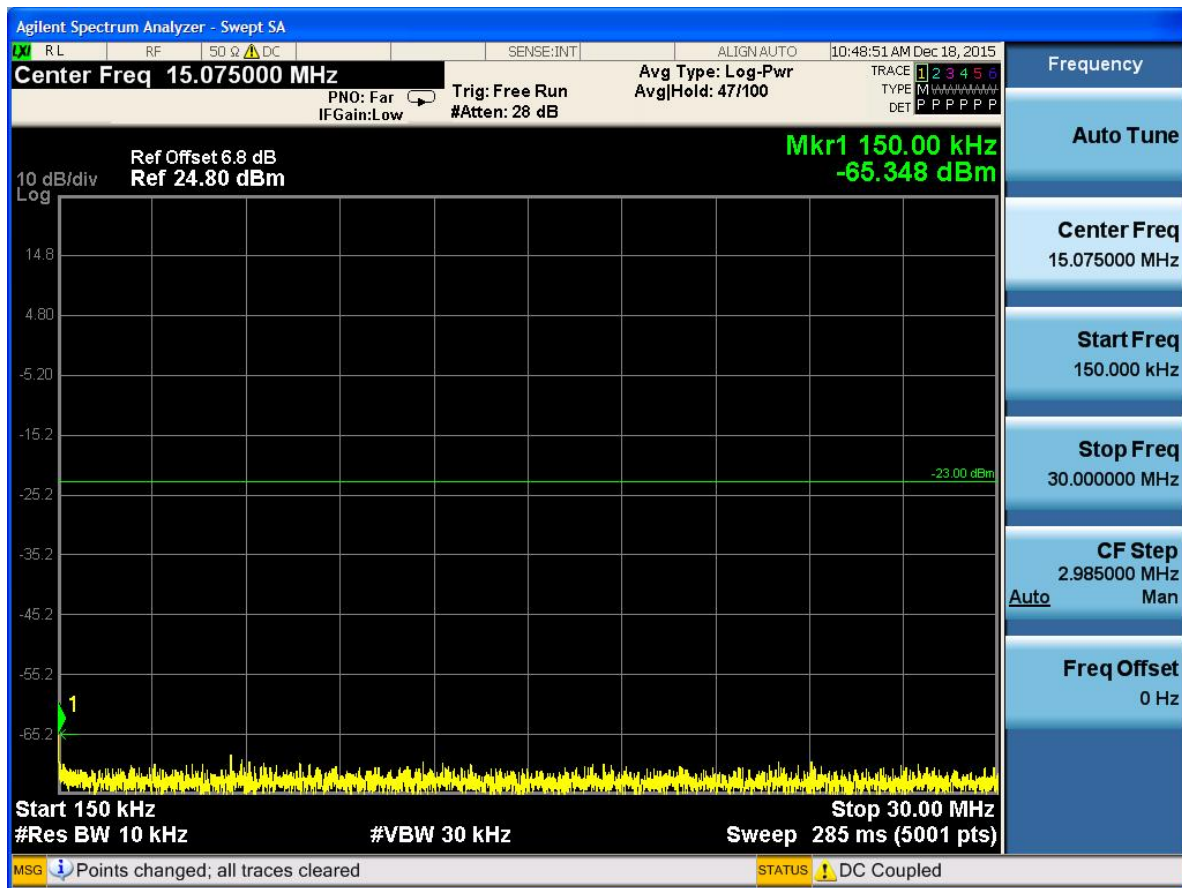


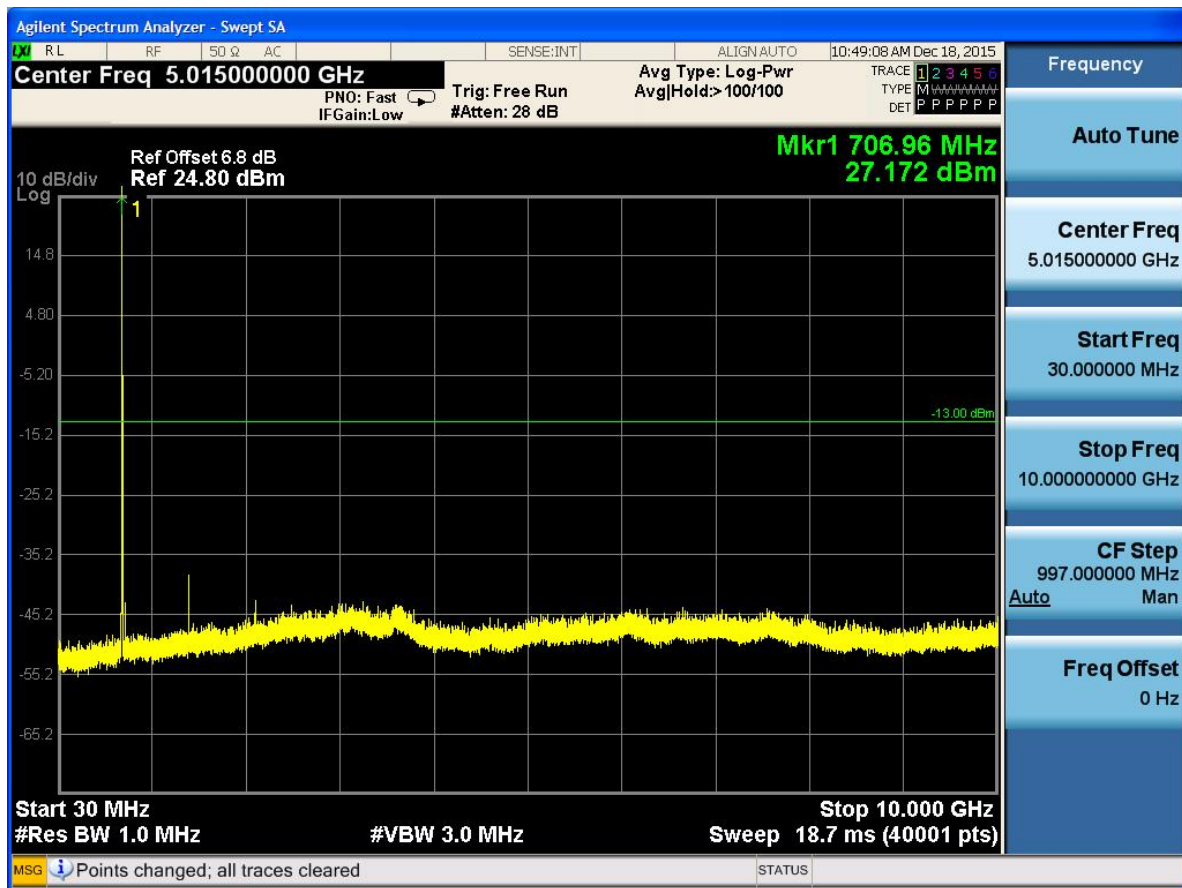


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





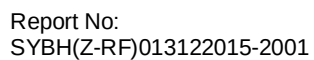


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





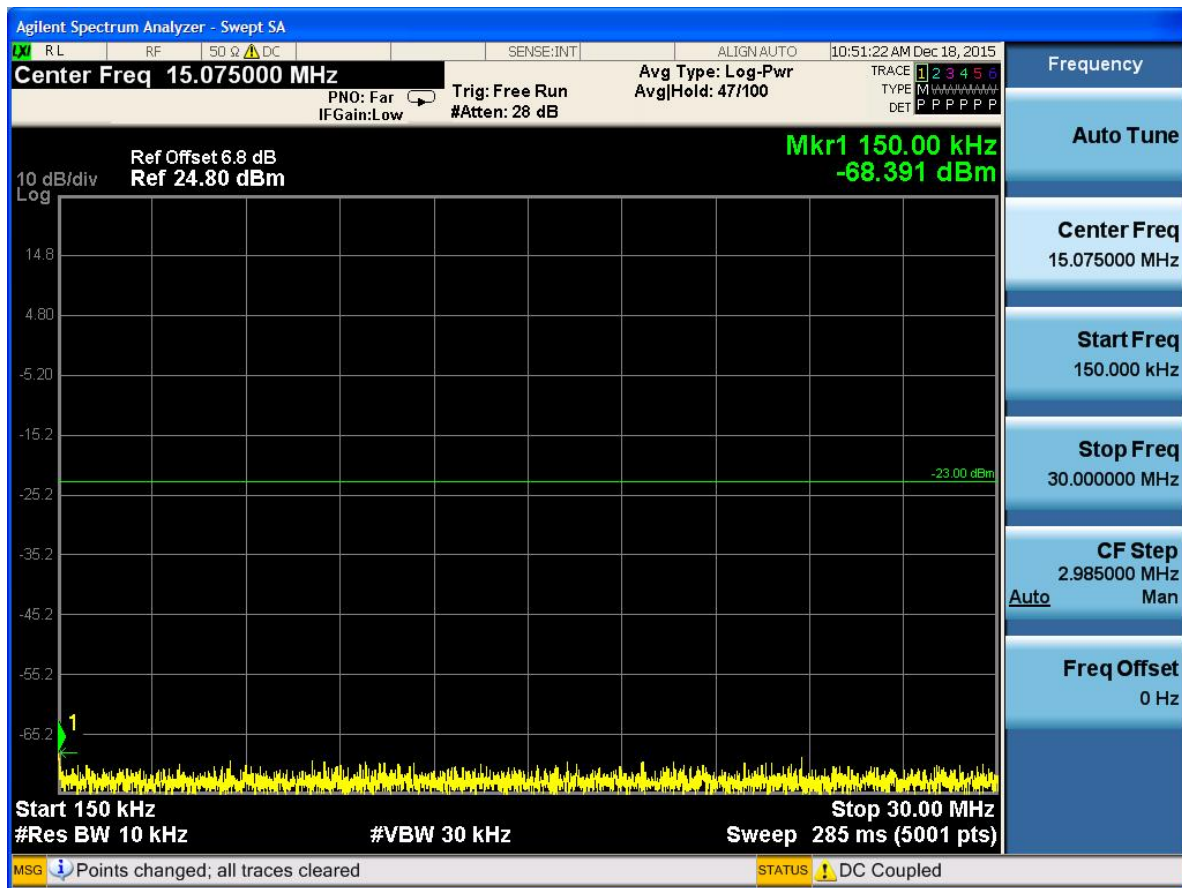


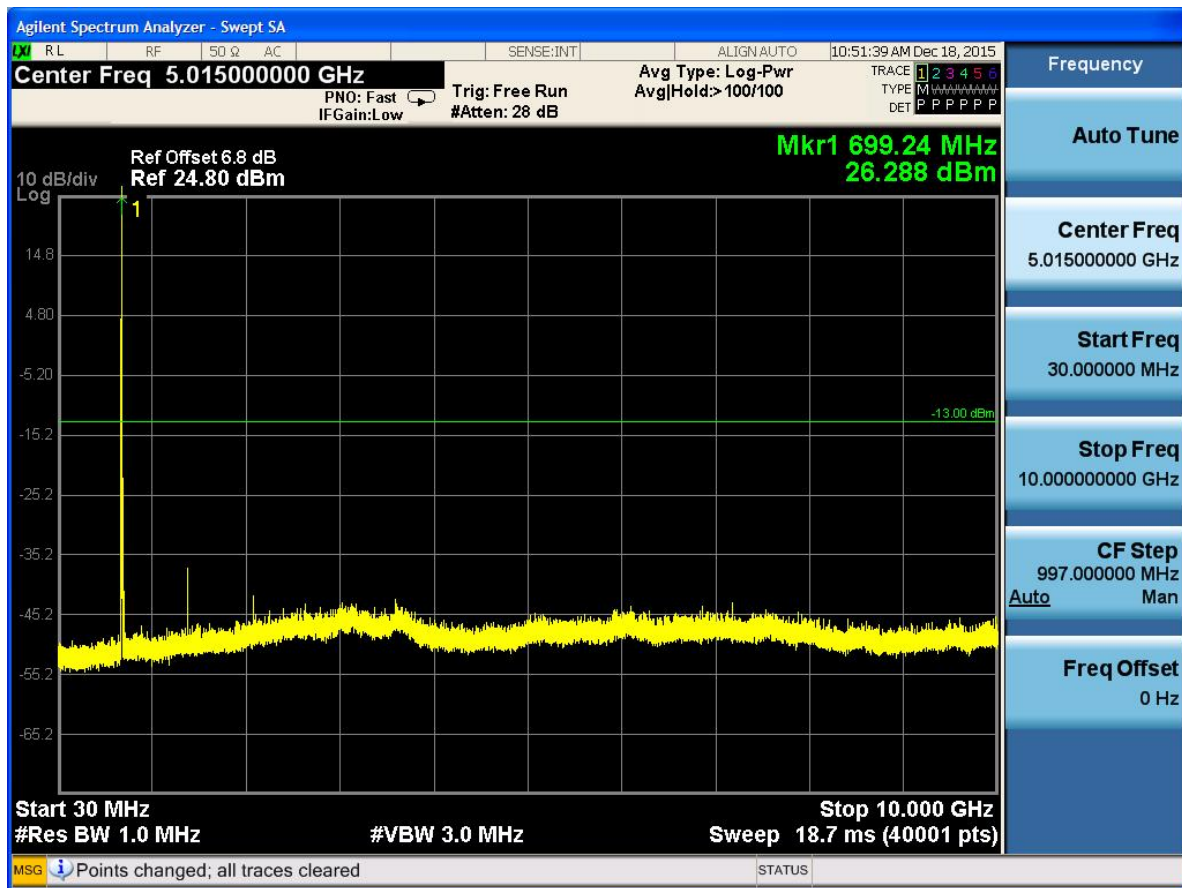
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

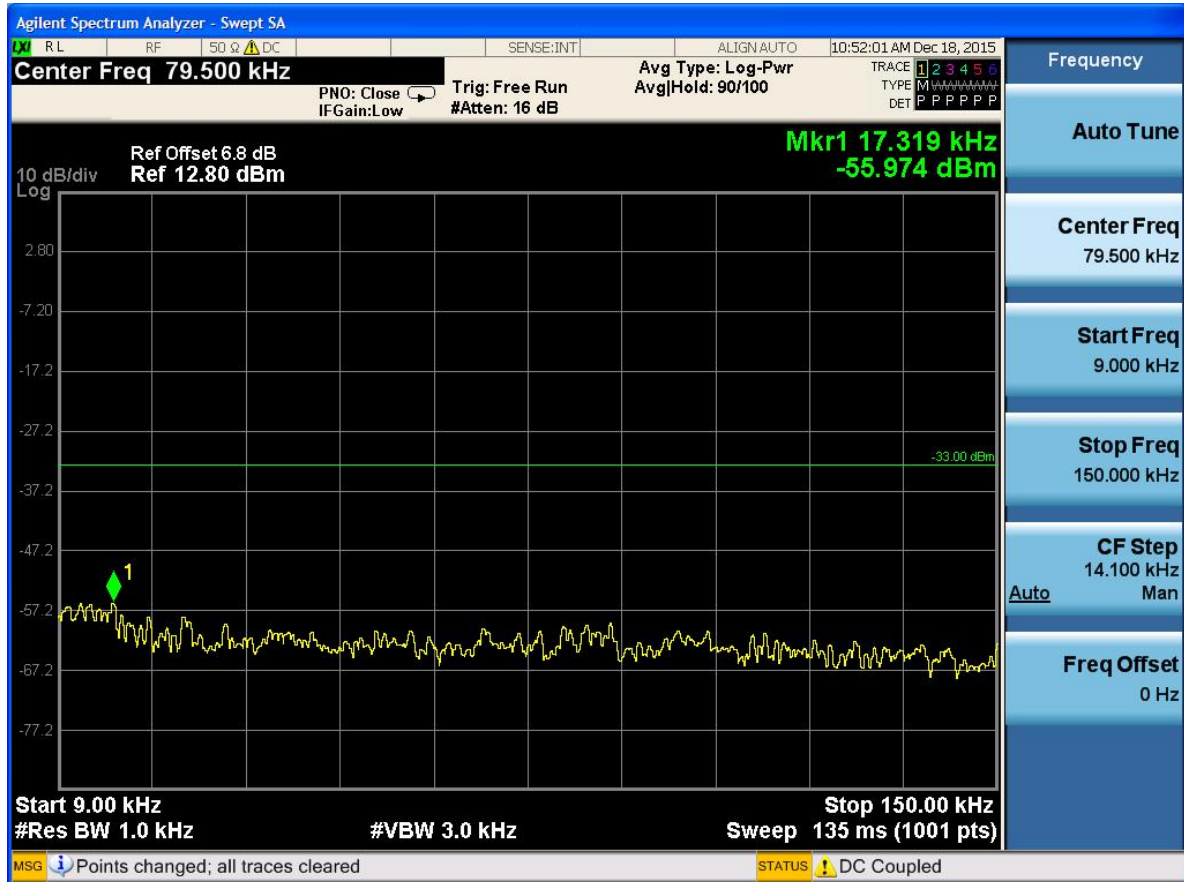




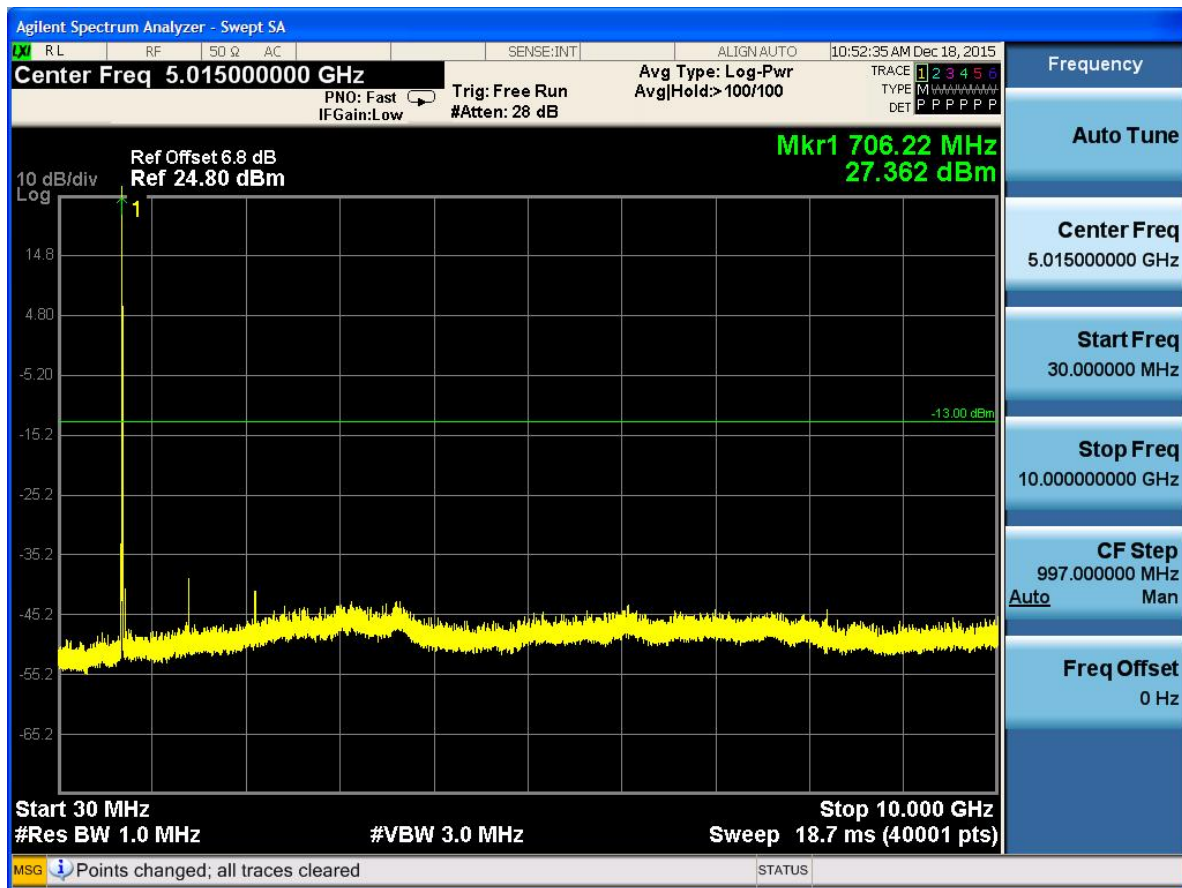


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



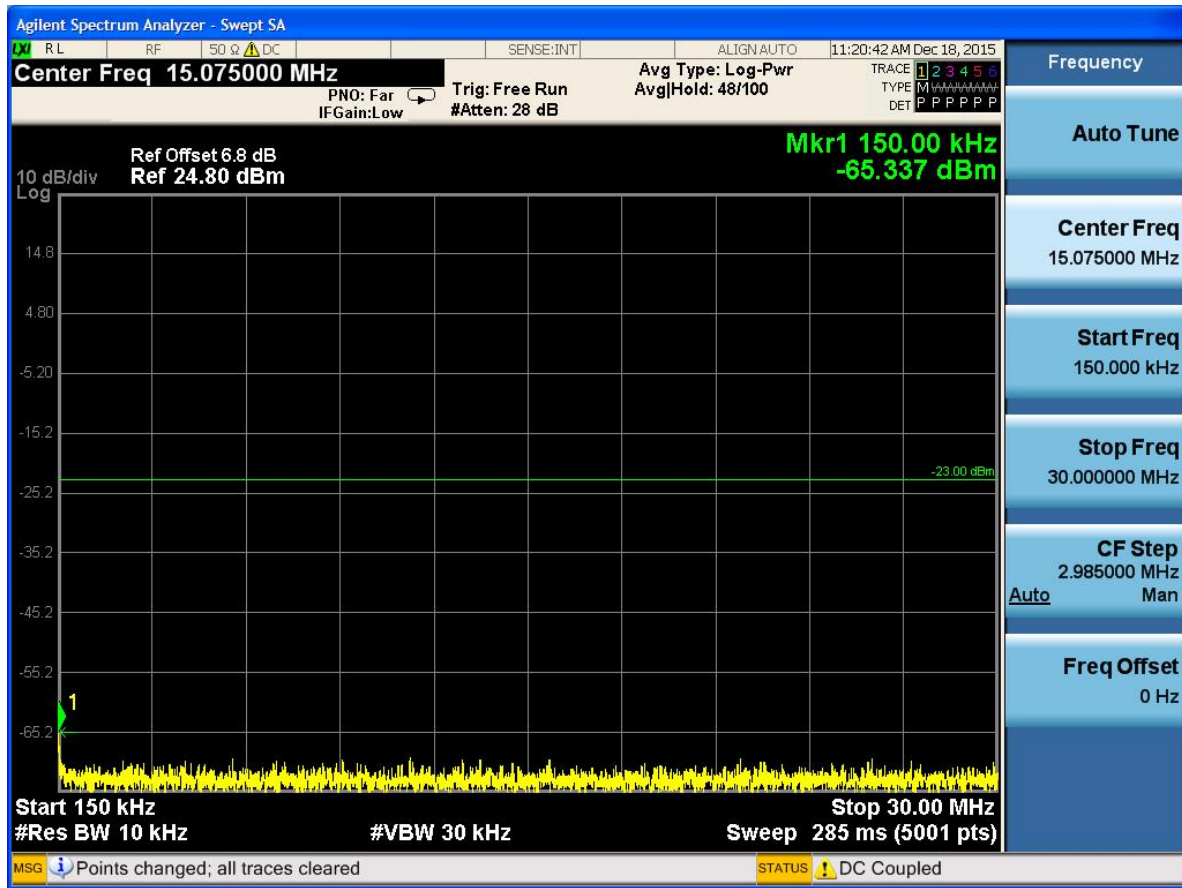




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



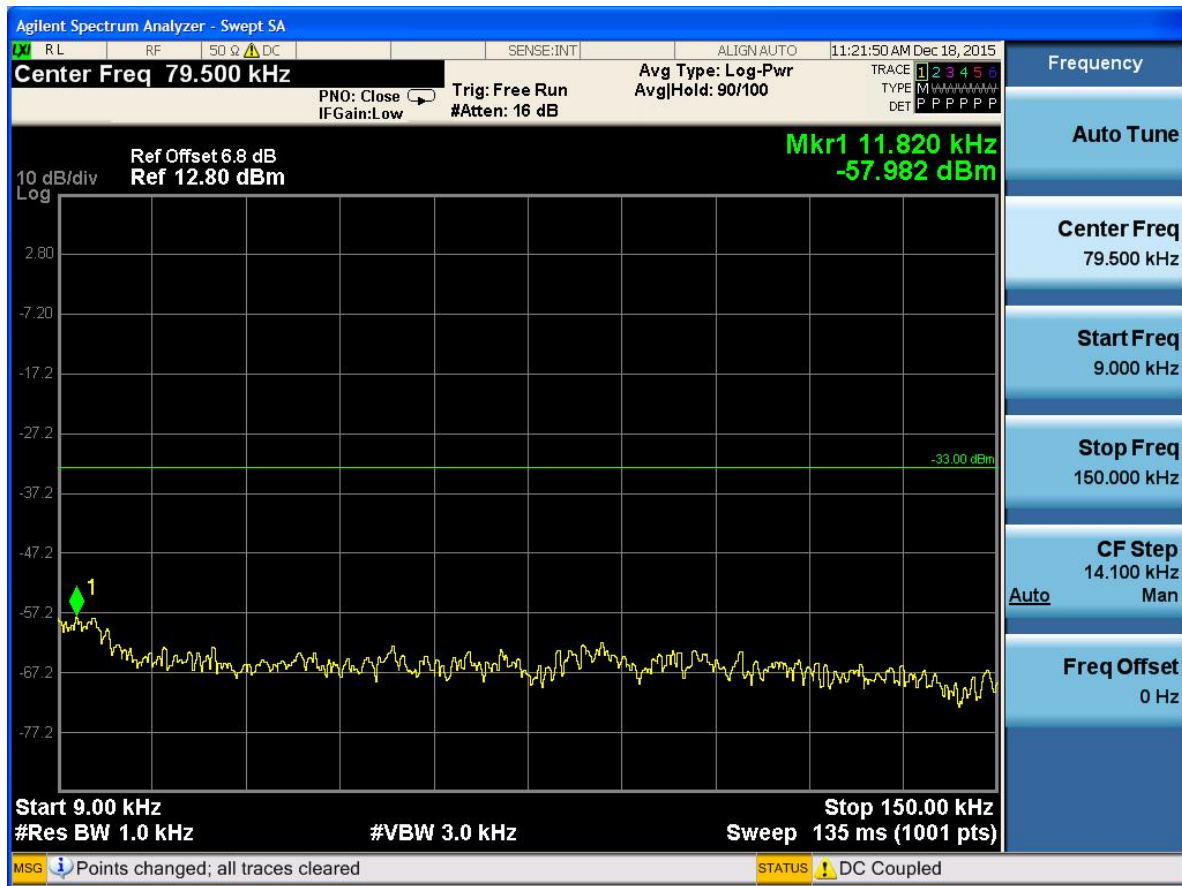




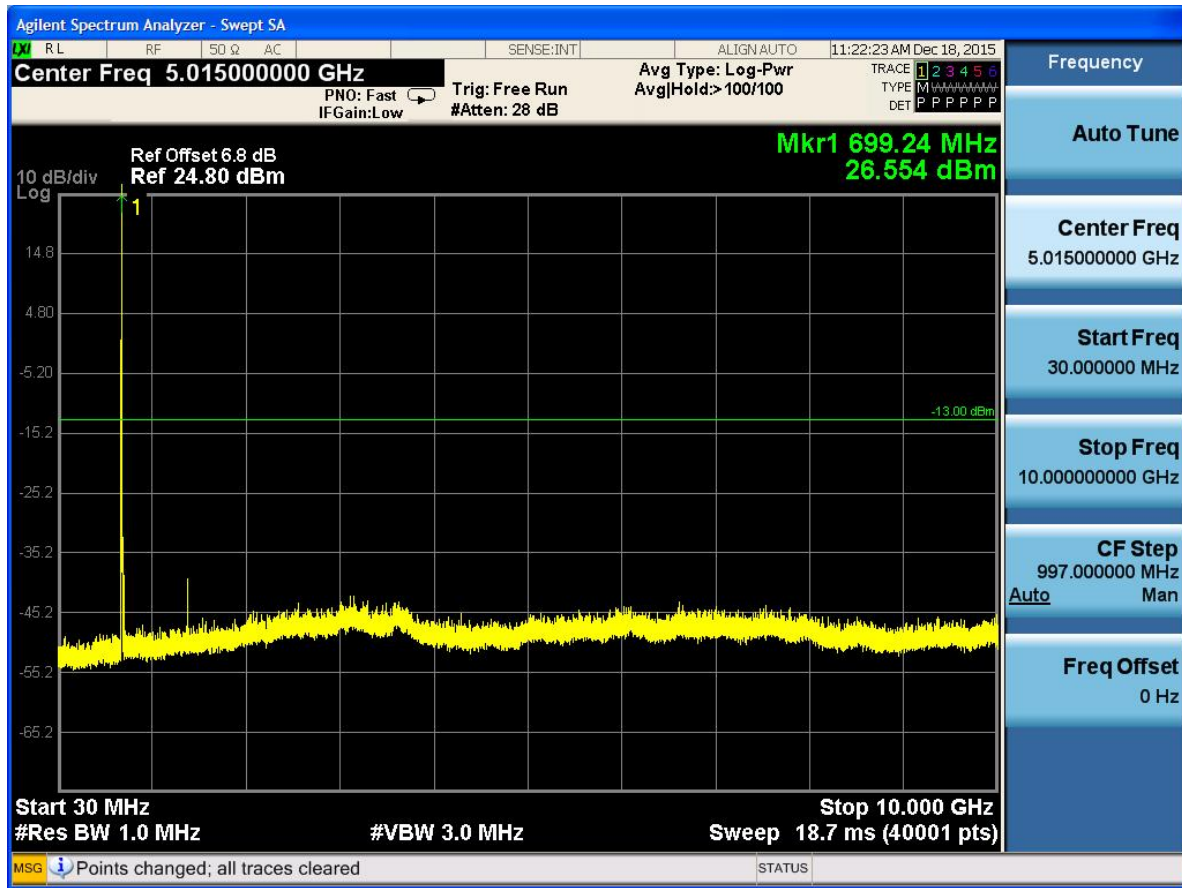
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



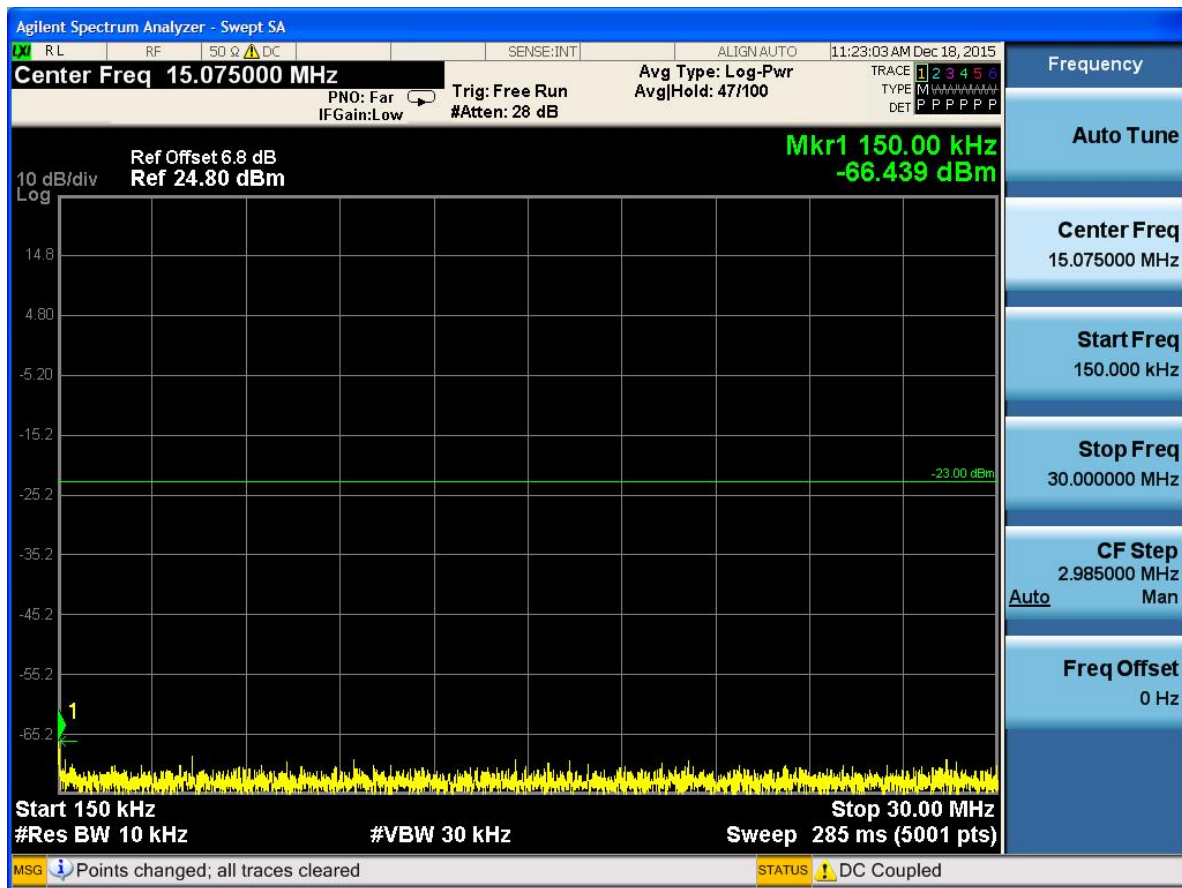


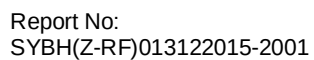


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





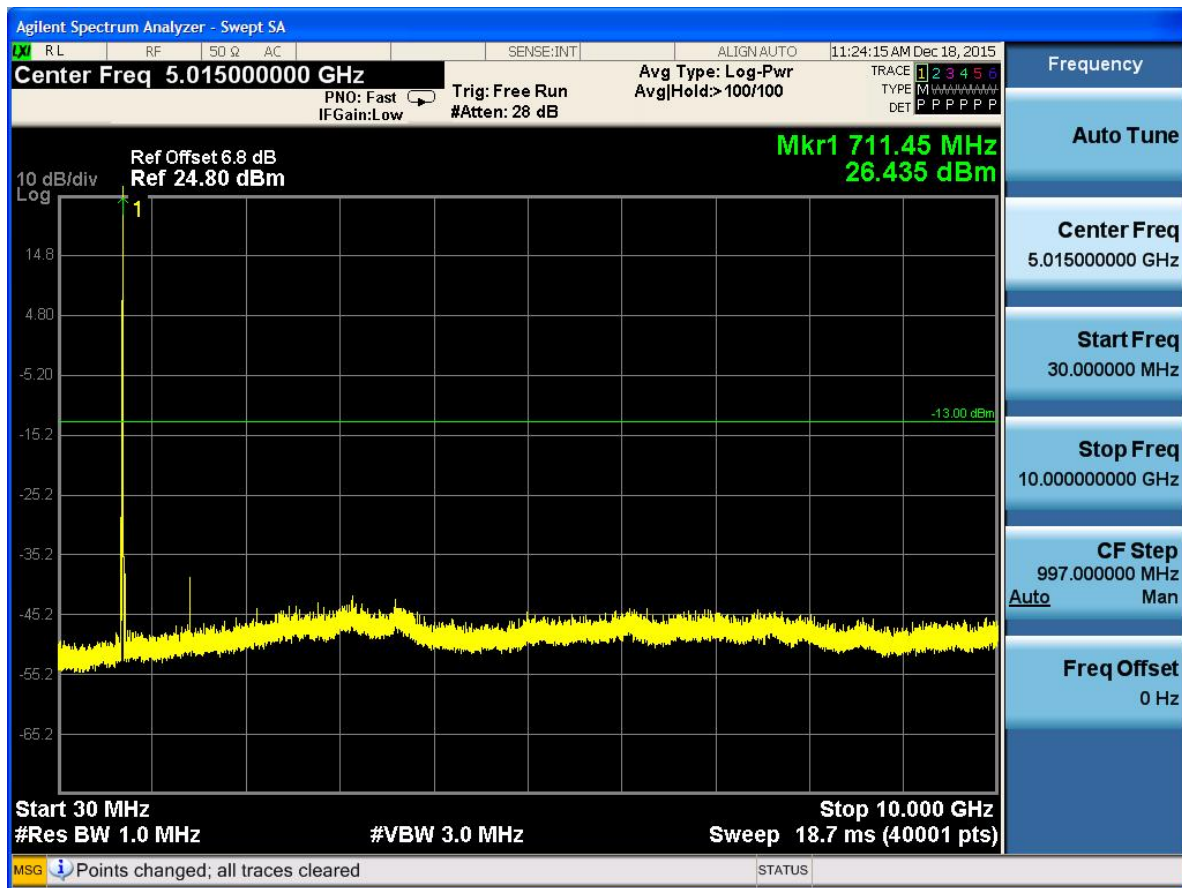


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



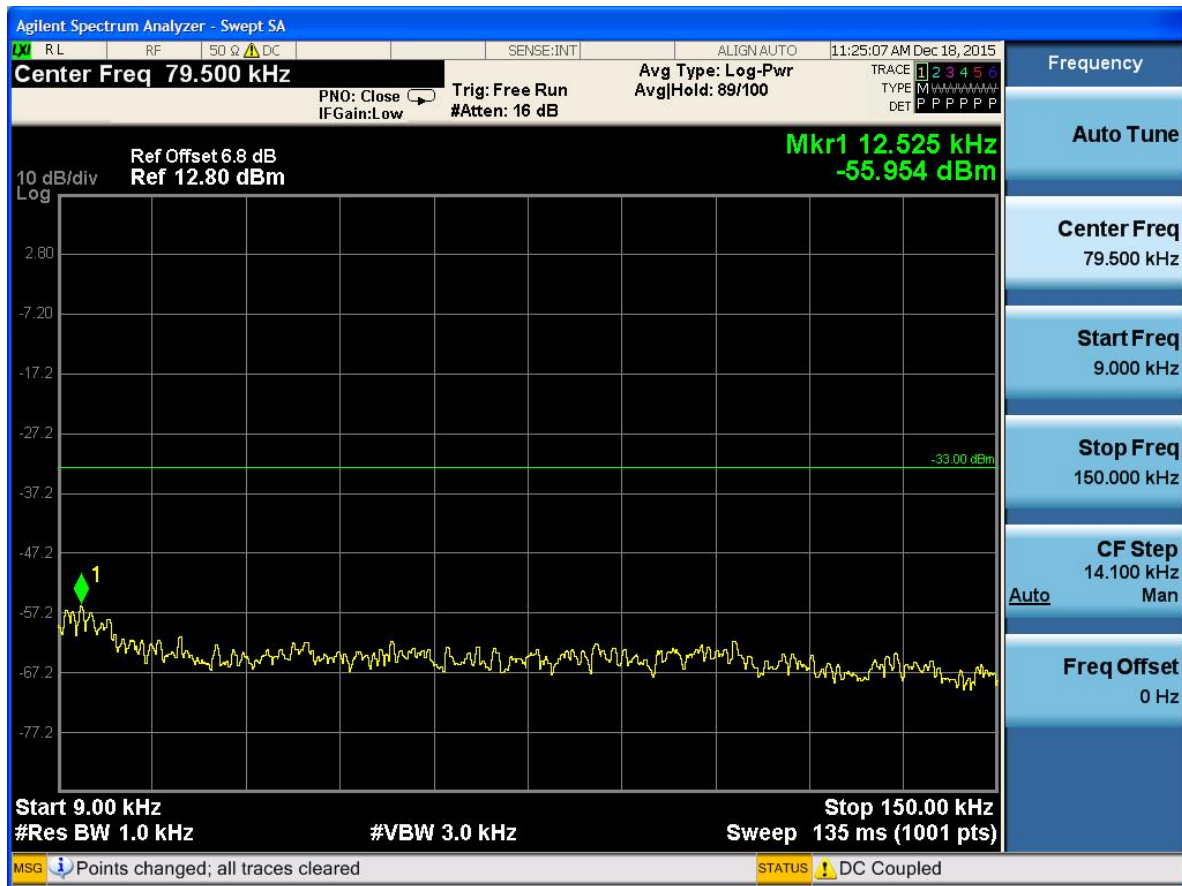




6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



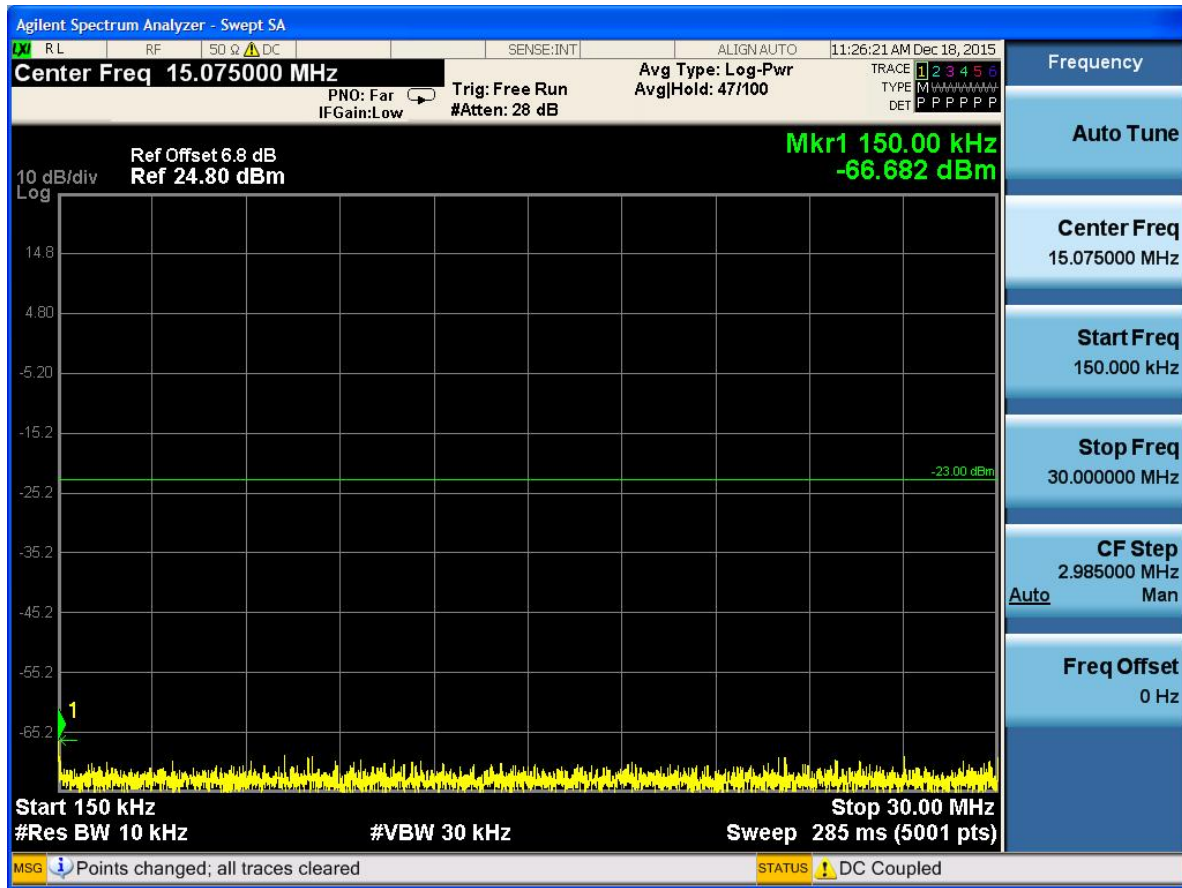


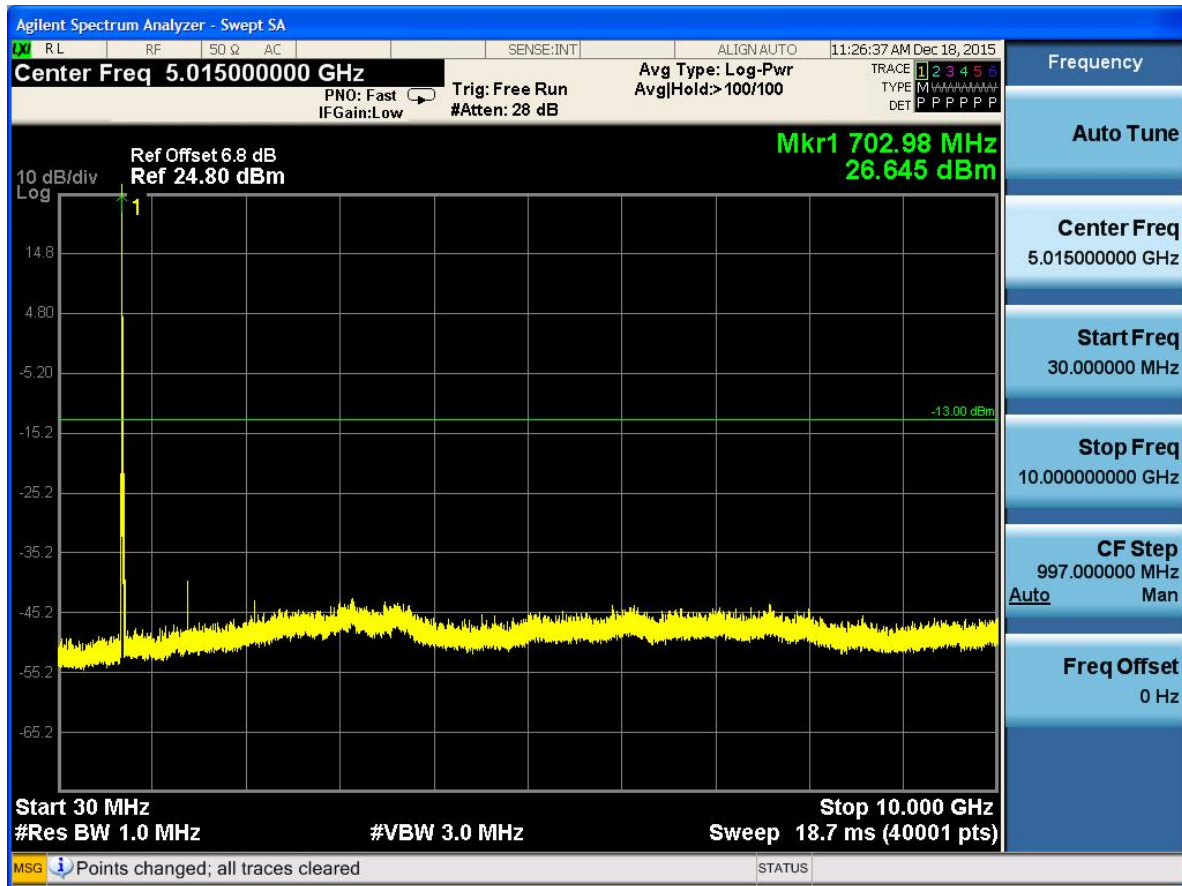


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



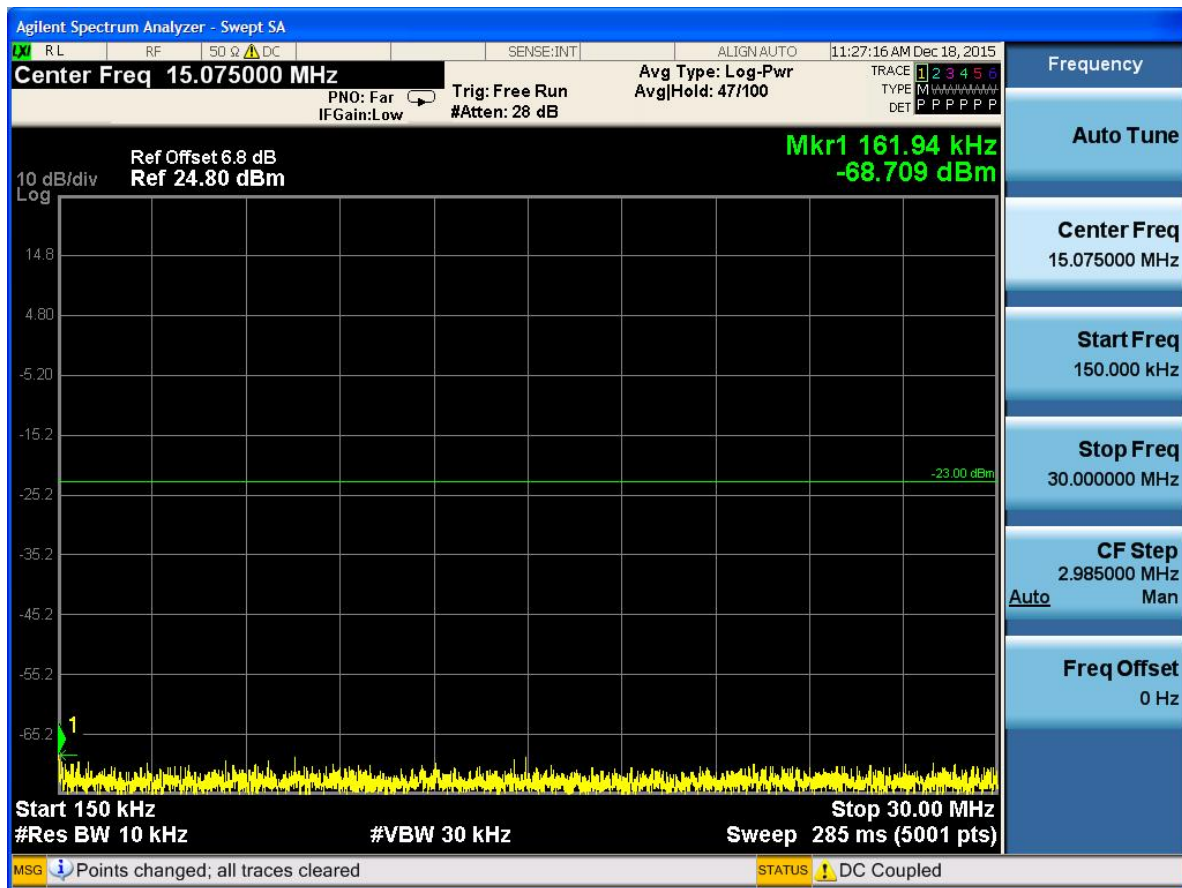


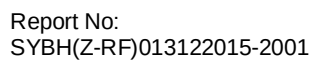


6.1.1.2.4.3 Test Channel = HCH

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

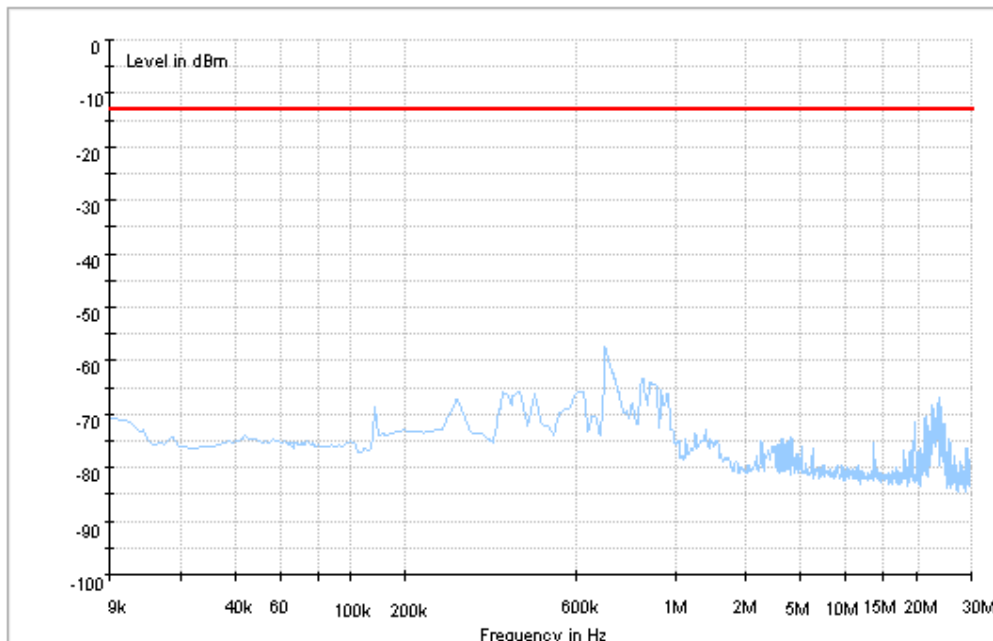
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

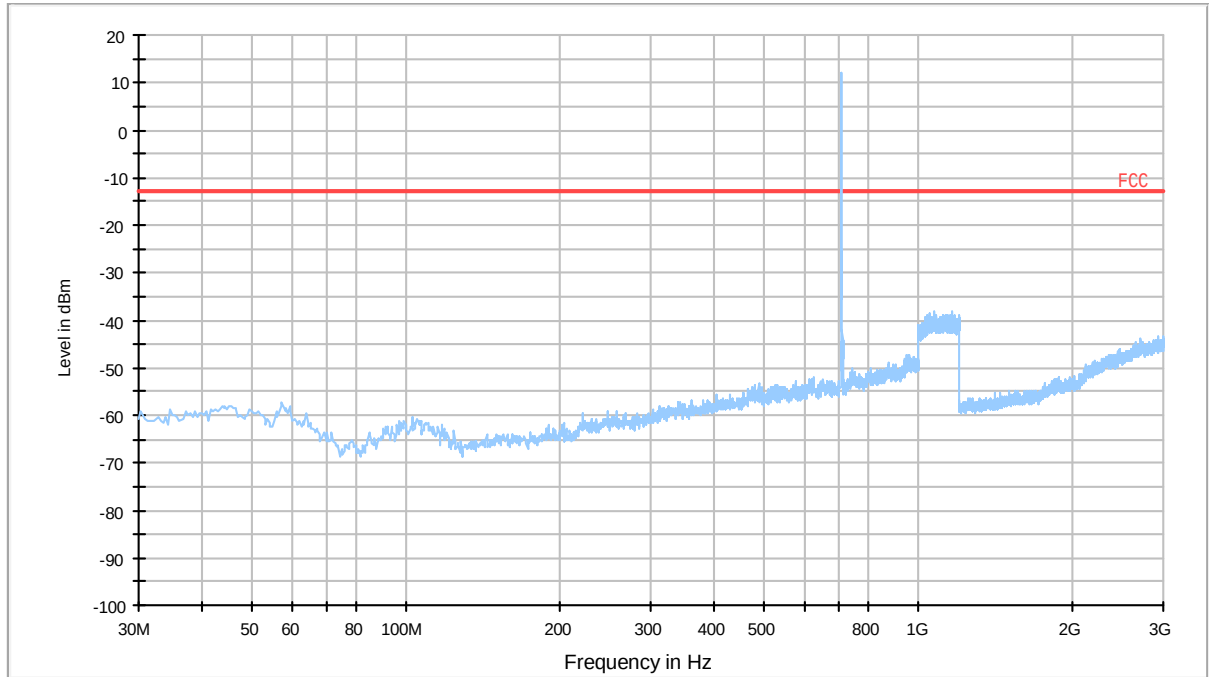
7.1 For LTE

7.1.1 Test Band = BAND12

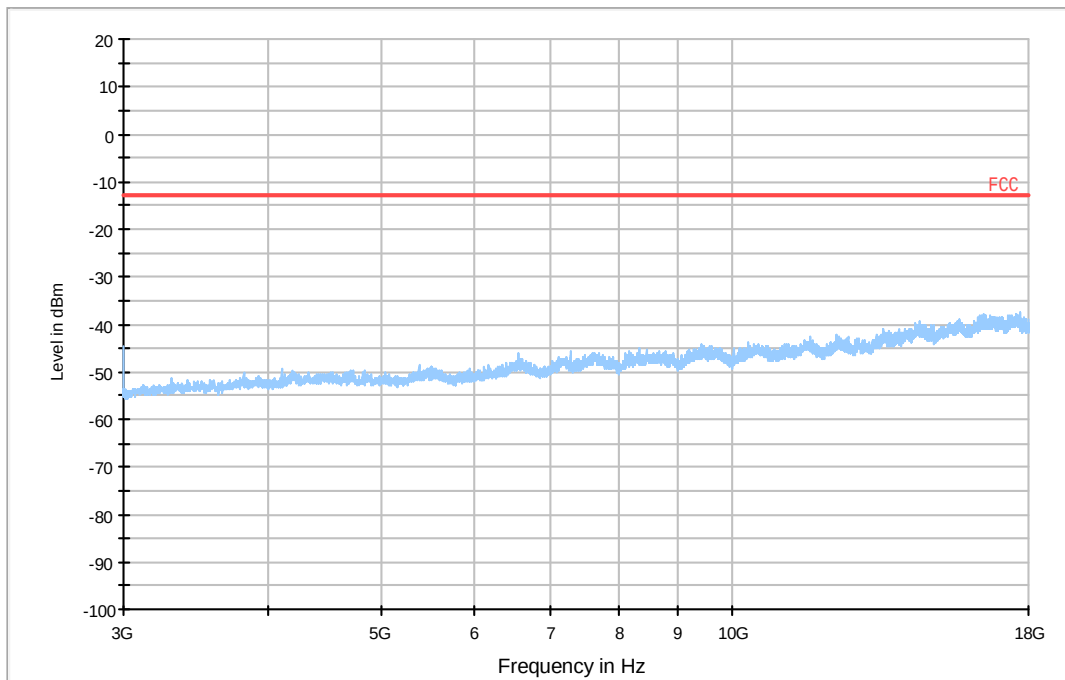
7.1.1.1 Test Bandwidth = 1.4



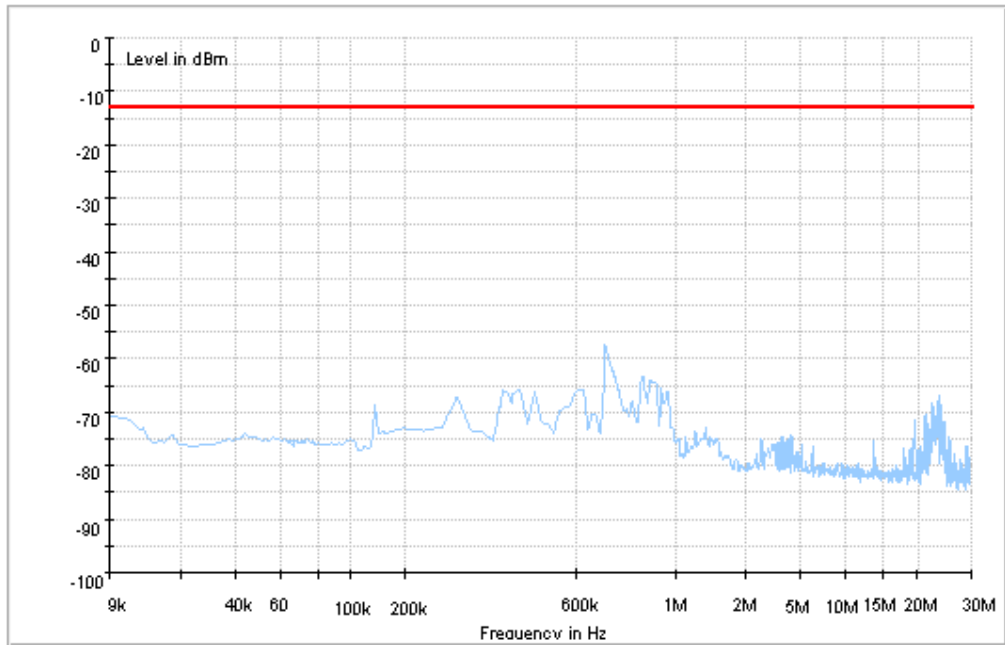
Copy of RSE-TX-DIRECTOR BELOW 1G_L



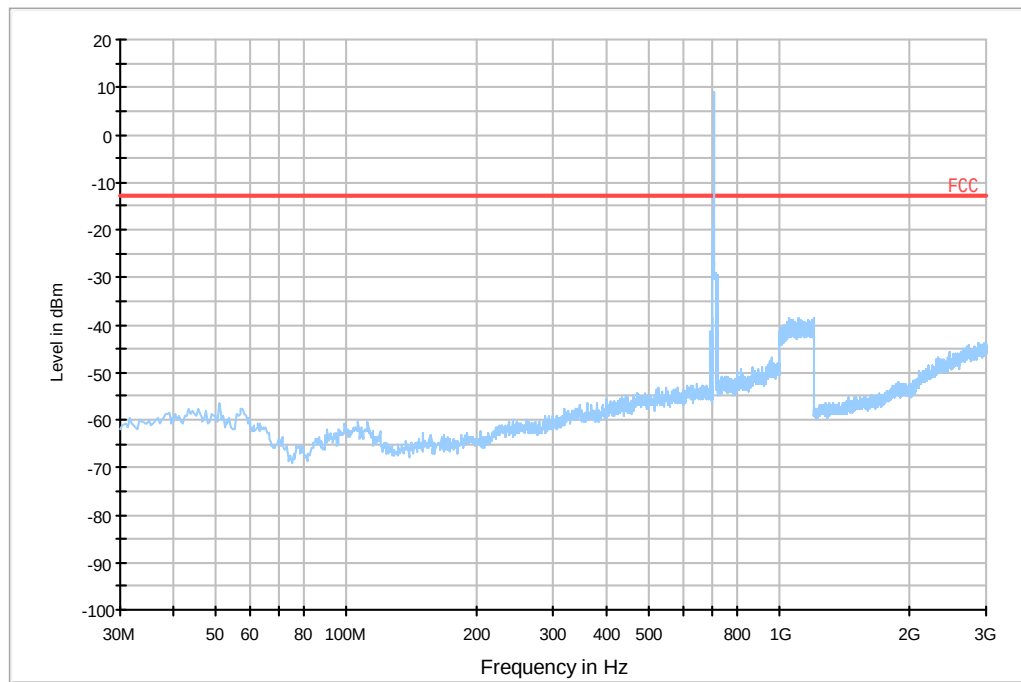
Copy of RSE-TX-DIRECTOR BELOW 1G_H



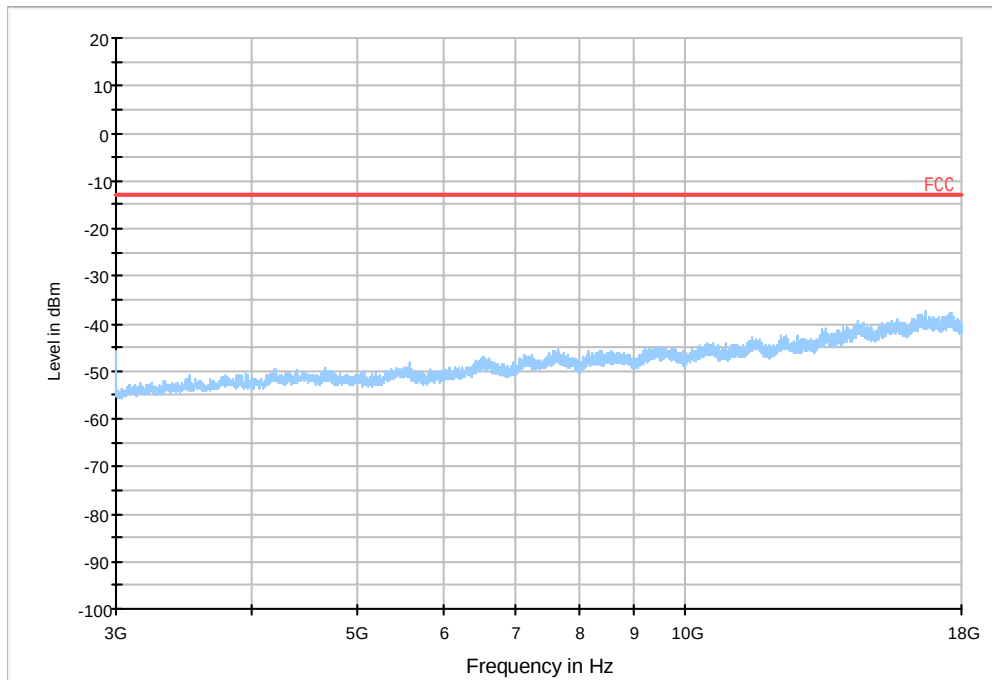
7.1.1.3 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_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
BAND12	LTE/TM1	1.4	LCH	TN	VL	1.04	0.00149	PASS
					VN	-7.52	-0.01075	PASS
					VH	11.63	0.01662	PASS
			MCH	TN	VL	2.32	0.00328	PASS
					VN	-4.59	-0.00649	PASS
					VH	1.13	0.0016	PASS
			HCH	TN	VL	2.63	0.00368	PASS
					VN	-0.83	-0.00116	PASS
					VH	-5.82	-0.00814	PASS
		3	LCH	TN	VL	-1.12	-0.0016	PASS
					VN	0.34	0.00049	PASS
					VH	3.81	0.00544	PASS
			MCH	TN	VL	2.98	0.00421	PASS
					VN	0.37	0.00052	PASS
					VH	2.79	0.00394	PASS
			HCH	TN	VL	-1.43	-0.002	PASS
					VN	-2.69	-0.00376	PASS
					VH	-0.13	-0.00018	PASS
		5	LCH	TN	VL	0.33	0.00047	PASS
					VN	0.59	0.00084	PASS
					VH	-0.56	-0.0008	PASS
			MCH	TN	VL	-1.09	-0.00154	PASS
					VN	0.04	0.00006	PASS
					VH	-1.09	-0.00154	PASS
			HCH	TN	VL	-0.36	-0.0005	PASS
					VN	-0.36	-0.0005	PASS
					VH	-0.97	-0.00136	PASS
		10	LCH	TN	VL	1.66	0.00236	PASS
					VN	-0.30	-0.00043	PASS
					VH	-4.12	-0.00585	PASS
			MCH	TN	VL	-0.36	-0.00051	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	3.05	0.00431	PASS
					VH	0.07	0.0001	PASS
			HCH	TN	VL	-1.73	-0.00243	PASS
					VN	-4.88	-0.00686	PASS
					VH	-6.59	-0.00927	PASS
					VL	-8.67	-0.01239	PASS
		1.4	LCH	TN	VN	2.92	0.00417	PASS
					VH	-13.42	-0.01918	PASS
					VL	-2.13	-0.00301	PASS
			MCH	TN	VN	-12.87	-0.01819	PASS
					VH	5.89	0.00833	PASS
					VL	16.82	0.02351	PASS
			HCH	TN	VN	17.97	0.02512	PASS
					VH	-2.70	-0.00377	PASS
					VL	0.76	0.00108	PASS
		3	LCH	TN	VN	-3.85	-0.0055	PASS
					VH	2.27	0.00324	PASS
					VL	-4.23	-0.00598	PASS
			MCH	TN	VN	-3.56	-0.00503	PASS
					VH	-0.26	-0.00037	PASS
					VL	-0.70	-0.00098	PASS
			HCH	TN	VN	2.43	0.0034	PASS
					VH	0.20	0.00028	PASS
					VL	-1.44	-0.00205	PASS
		5	LCH	TN	VN	-1.36	-0.00194	PASS
					VH	0.36	0.00051	PASS
					VL	-2.02	-0.00286	PASS
			MCH	TN	VN	-1.53	-0.00216	PASS
					VH	0.49	0.00069	PASS
					VL	-2.13	-0.00299	PASS
			HCH	TN	VN	-0.16	-0.00022	PASS
					VH	-1.56	-0.00219	PASS
					VL	-0.07	-0.0001	PASS
		10	LCH	TN	VN	-2.82	-0.00401	PASS
					VH	-0.36	-0.00051	PASS
					VL	1.37	0.00194	PASS
			MCH	TN	VN	-0.83	-0.00117	PASS
					VH	0.01	0.00001	PASS
					VL	1.79	0.00252	PASS
			HCH	TN	VL	1.79	0.00252	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.94	-0.00132	PASS
					VH	-1.10	-0.00155	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
BAND12	LTE/TM1	1.4	LCH	VN	-30	-6.22	-0.00889	PASS
					-20	1.79	0.00256	PASS
					-10	-9.48	-0.01355	PASS
					0	6.07	0.00868	PASS
					10	7.41	0.01059	PASS
					20	16.35	0.02337	PASS
					30	-3.16	-0.00452	PASS
					40	0.16	0.00023	PASS
					50	8.40	0.01201	PASS
			MCH	VN	-30	-14.29	-0.0202	PASS
					-20	7.54	0.01066	PASS
					-10	-5.98	-0.00845	PASS
					0	-1.06	-0.0015	PASS
					10	-5.28	-0.00746	PASS
					20	-11.84	-0.01673	PASS
					30	0.84	0.00119	PASS
					40	-8.34	-0.01179	PASS
					50	3.03	0.00428	PASS
			HCH	VN	-30	4.94	0.00691	PASS
					-20	5.81	0.00812	PASS
					-10	-6.94	-0.0097	PASS
					0	-3.22	-0.0045	PASS
					10	9.24	0.01292	PASS
					20	-1.10	-0.00154	PASS
					30	-11.93	-0.01668	PASS
					40	-10.99	-0.01536	PASS
					50	7.58	0.0106	PASS
		3	LCH	VN	-30	-0.73	-0.00104	PASS
					-20	-2.47	-0.00353	PASS
					-10	-1.76	-0.00251	PASS
					0	4.38	0.00625	PASS
					10	-6.57	-0.00938	PASS
					20	1.09	0.00156	PASS
					30	-2.73	-0.0039	PASS
					40	-5.08	-0.00725	PASS
					50	-6.27	-0.00895	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	0.44	0.00062	PASS
					-20	-3.68	-0.0052	PASS
					-10	6.87	0.00971	PASS
					0	-9.88	-0.01396	PASS
					10	1.50	0.00212	PASS
					20	-1.23	-0.00174	PASS
					30	-2.66	-0.00376	PASS
					40	-3.81	-0.00539	PASS
					50	-2.06	-0.00291	PASS
			HCH	VN	-30	-4.48	-0.00627	PASS
					-20	-5.28	-0.00739	PASS
					-10	-3.02	-0.00423	PASS
					0	-0.31	-0.00043	PASS
					10	-1.62	-0.00227	PASS
					20	-0.29	-0.00041	PASS
					30	0.51	0.00071	PASS
					40	-0.54	-0.00076	PASS
					50	2.92	0.00409	PASS
		5	LCH	VN	-30	1.66	0.00237	PASS
					-20	-0.53	-0.00076	PASS
					-10	-1.50	-0.00214	PASS
					0	-3.46	-0.00493	PASS
					10	0.33	0.00047	PASS
					20	0.00	0	PASS
					30	-0.54	-0.00077	PASS
					40	-2.47	-0.00352	PASS
					50	-2.70	-0.00385	PASS
			MCH	VN	-30	-0.21	-0.0003	PASS
					-20	-1.39	-0.00196	PASS
					-10	-1.03	-0.00146	PASS
					0	-0.13	-0.00018	PASS
					10	0.50	0.00071	PASS
					20	-1.86	-0.00263	PASS
					30	-1.49	-0.00211	PASS
					40	-0.67	-0.00095	PASS
					50	-1.83	-0.00259	PASS
			HCH	VN	-30	-0.54	-0.00076	PASS
					-20	0.74	0.00104	PASS
					-10	-0.03	-0.00004	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	0.59	0.00083	PASS
					10	-5.28	-0.0074	PASS
					20	-3.39	-0.00475	PASS
					30	-0.67	-0.00094	PASS
					40	0.56	0.00078	PASS
					50	-0.47	-0.00066	PASS
		10	LCH	VN	-30	-2.02	-0.00287	PASS
					-20	-1.62	-0.0023	PASS
					-10	-0.62	-0.00088	PASS
					0	-0.44	-0.00063	PASS
					10	-2.37	-0.00337	PASS
					20	-1.14	-0.00162	PASS
					30	-4.11	-0.00584	PASS
					40	-2.06	-0.00293	PASS
					50	-3.62	-0.00514	PASS
			MCH	VN	-30	1.19	0.00168	PASS
					-20	0.79	0.00112	PASS
					-10	2.29	0.00324	PASS
					0	-0.54	-0.00076	PASS
					10	0.57	0.00081	PASS
					20	-1.97	-0.00278	PASS
					30	-1.17	-0.00165	PASS
					40	3.25	0.00459	PASS
					50	0.60	0.00085	PASS
			HCH	VN	-30	-0.82	-0.00115	PASS
					-20	-6.78	-0.00954	PASS
					-10	0.64	0.0009	PASS
					0	-0.50	-0.0007	PASS
					10	-5.29	-0.00744	PASS
					20	-3.63	-0.00511	PASS
					30	0.84	0.00118	PASS
					40	-1.43	-0.00201	PASS
					50	0.36	0.00051	PASS
	LTE/TM2	1.4	LCH	VN	-30	-7.17	-0.01025	PASS
					-20	-6.11	-0.00873	PASS
					-10	-18.27	-0.02611	PASS
					0	-6.17	-0.00882	PASS
					10	-5.79	-0.00827	PASS
					20	-14.13	-0.02019	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	16.48	0.02355	PASS
					40	-7.58	-0.01083	PASS
					50	-2.00	-0.00286	PASS
			MCH	VN	-30	-2.39	-0.00338	PASS
					-20	-1.07	-0.00151	PASS
					-10	-1.03	-0.00146	PASS
					0	-0.03	-0.00004	PASS
					10	-8.14	-0.01151	PASS
					20	4.76	0.00673	PASS
					30	29.65	0.04191	PASS
					40	-19.35	-0.02735	PASS
					50	-2.12	-0.003	PASS
			HCH	VN	-30	-1.33	-0.00186	PASS
					-20	-0.94	-0.00131	PASS
					-10	-5.32	-0.00744	PASS
					0	13.22	0.01848	PASS
					10	-23.20	-0.03243	PASS
					20	3.88	0.00542	PASS
					30	-8.67	-0.01212	PASS
					40	6.84	0.00956	PASS
					50	-6.54	-0.00914	PASS
		3	LCH	VN	-30	0.67	0.00096	PASS
					-20	-1.82	-0.0026	PASS
					-10	-0.60	-0.00086	PASS
					0	-0.66	-0.00094	PASS
					10	1.13	0.00161	PASS
					20	-0.39	-0.00056	PASS
					30	0.31	0.00044	PASS
					40	-0.59	-0.00084	PASS
					50	-5.22	-0.00745	PASS
			MCH	VN	-30	-0.64	-0.0009	PASS
					-20	-2.33	-0.00329	PASS
					-10	0.06	0.00008	PASS
					0	-2.39	-0.00338	PASS
					10	0.40	0.00057	PASS
					20	1.83	0.00259	PASS
					30	1.52	0.00215	PASS
					40	-0.16	-0.00023	PASS
					50	-1.66	-0.00235	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	-2.93	-0.0041	PASS
					-20	-1.99	-0.00279	PASS
					-10	-1.56	-0.00218	PASS
					0	1.44	0.00202	PASS
					10	-2.35	-0.00329	PASS
					20	-3.23	-0.00452	PASS
					30	-4.01	-0.00561	PASS
					40	3.42	0.00479	PASS
					50	-1.33	-0.00186	PASS
		5	LCH	VN	-30	-2.32	-0.00331	PASS
					-20	1.09	0.00155	PASS
					-10	-1.23	-0.00175	PASS
					0	-0.73	-0.00104	PASS
					10	-3.03	-0.00432	PASS
					20	-1.02	-0.00145	PASS
					30	-1.00	-0.00143	PASS
					40	-0.96	-0.00137	PASS
					50	-0.47	-0.00067	PASS
			MCH	VN	-30	0.16	0.00023	PASS
					-20	-2.26	-0.00319	PASS
					-10	-1.50	-0.00212	PASS
					0	-2.13	-0.00301	PASS
					10	-0.74	-0.00105	PASS
					20	0.51	0.00072	PASS
					30	0.24	0.00034	PASS
					40	-2.57	-0.00363	PASS
					50	-0.72	-0.00102	PASS
			HCH	VN	-30	-2.05	-0.00287	PASS
					-20	-1.44	-0.00202	PASS
					-10	0.26	0.00036	PASS
					0	-1.80	-0.00252	PASS
					10	-1.52	-0.00213	PASS
					20	-0.97	-0.00136	PASS
					30	0.10	0.00014	PASS
					40	-0.11	-0.00015	PASS
					50	-0.19	-0.00027	PASS
		10	LCH	VN	-30	-1.26	-0.00179	PASS
					-20	-0.54	-0.00077	PASS
					-10	0.19	0.00027	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-3.05	-0.00433	PASS
					10	-0.73	-0.00104	PASS
					20	-0.03	-0.00004	PASS
					30	-1.56	-0.00222	PASS
					40	0.20	0.00028	PASS
					50	-2.10	-0.00298	PASS
			MCH	VN	-30	1.69	0.00239	PASS
					-20	1.67	0.00236	PASS
					-10	-1.14	-0.00161	PASS
					0	0.63	0.00089	PASS
					10	-1.36	-0.00192	PASS
					20	-0.33	-0.00047	PASS
					30	-0.24	-0.00034	PASS
					40	-0.87	-0.00123	PASS
					50	-0.47	-0.00066	PASS
			HCH	VN	-30	-0.44	-0.00062	PASS
					-20	1.02	0.00143	PASS
					-10	-0.59	-0.00083	PASS
					0	-0.70	-0.00098	PASS
					10	-3.02	-0.00425	PASS
					20	-1.93	-0.00271	PASS
					30	0.51	0.00072	PASS
					40	-1.02	-0.00143	PASS
					50	-0.09	-0.00013	PASS

END