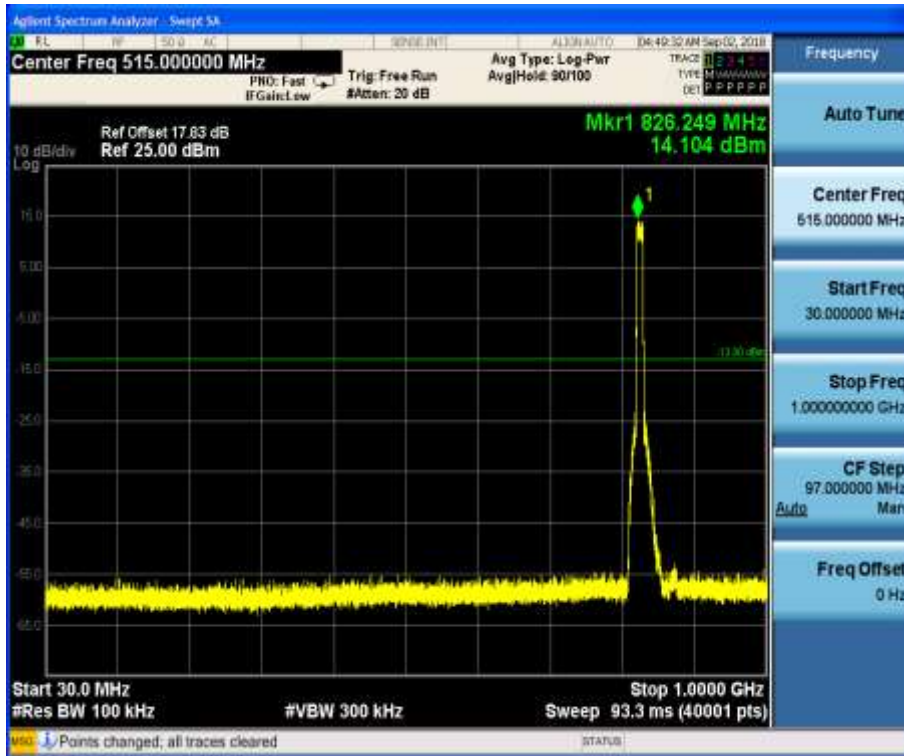
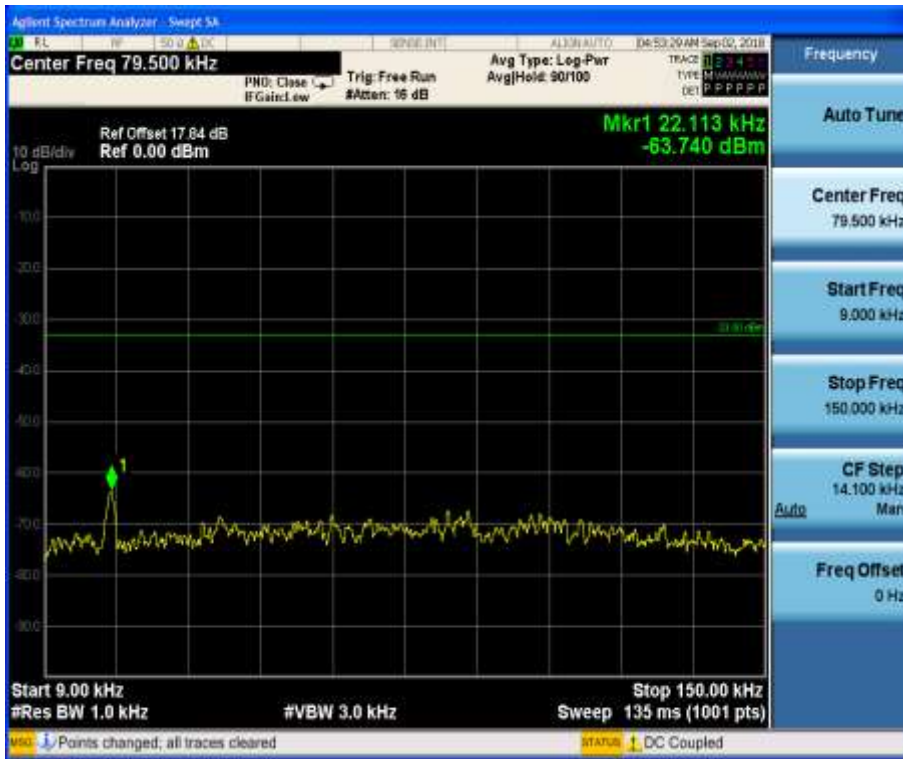
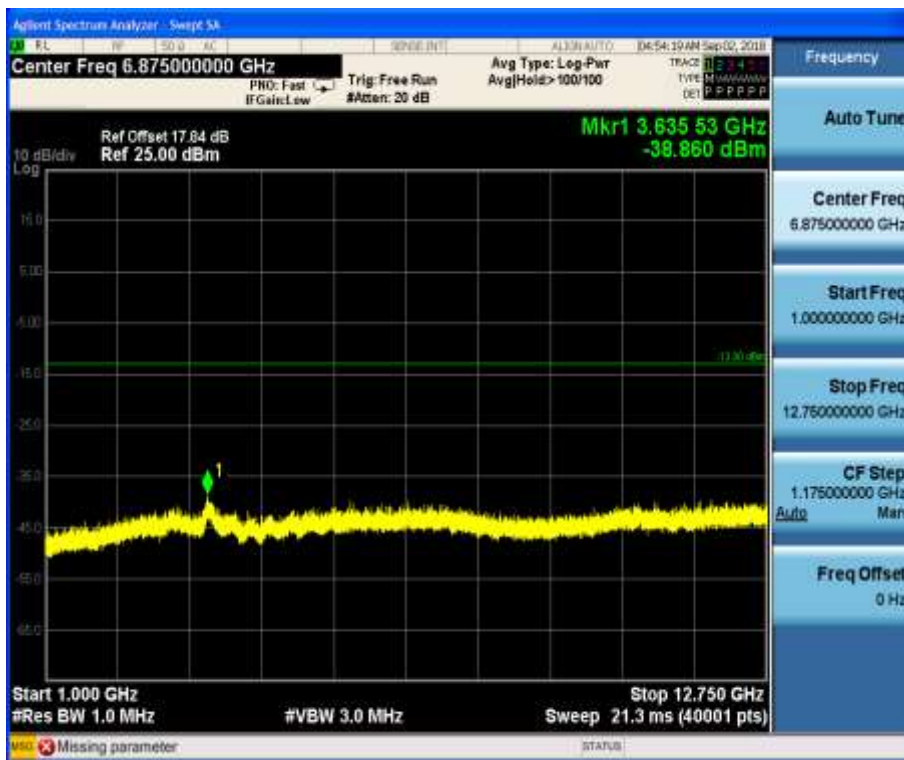
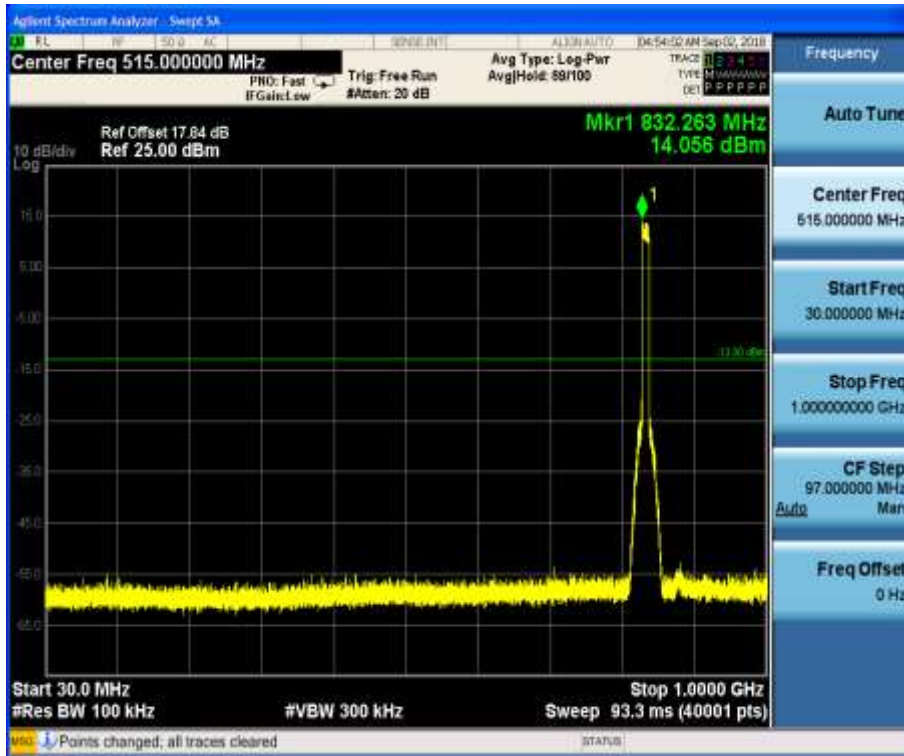




6.2.1.1.4.2 Test Channel = MCH

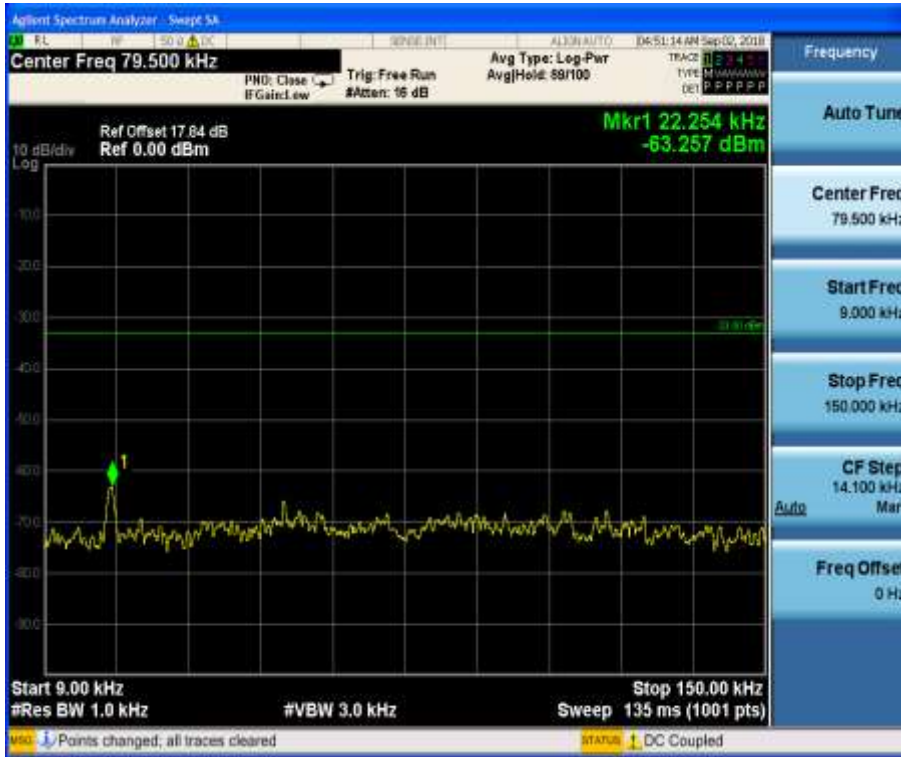
6.2.1.1.4.2.1 Test RB = RB1#0

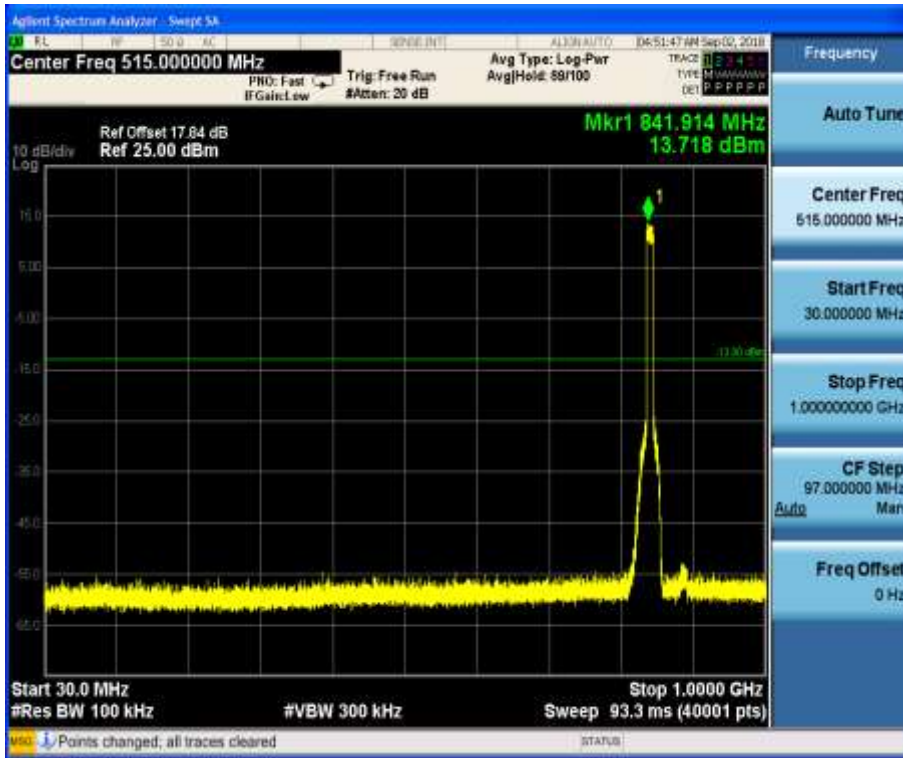




6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0



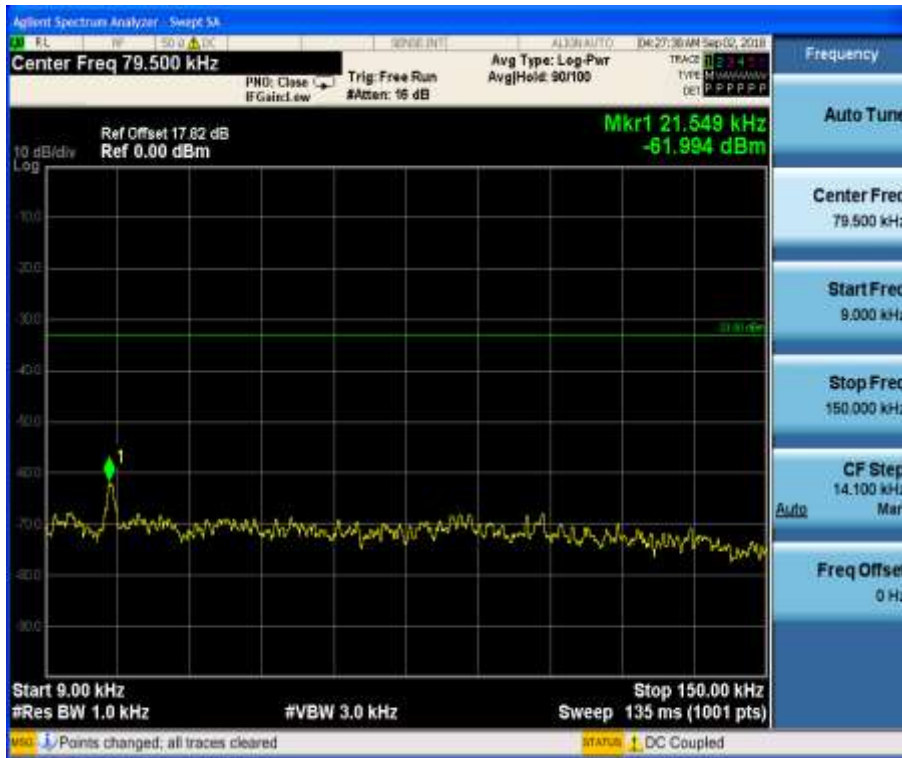


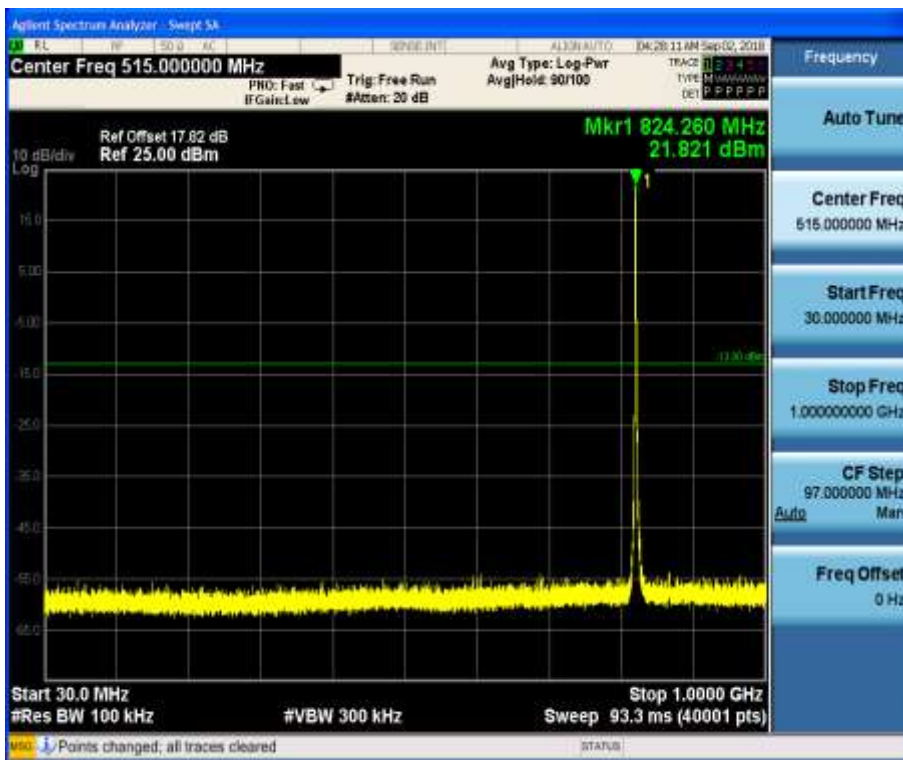
6.2.1.2 Test Mode = LTE/TM2

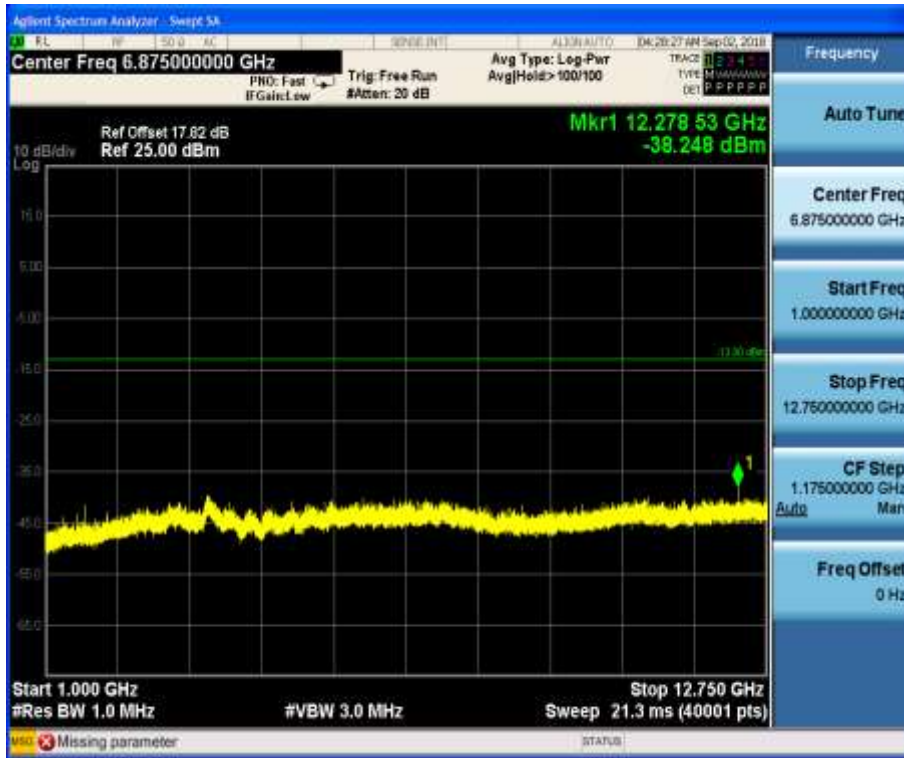
6.2.1.2.1 Test Bandwidth = 1.4

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0



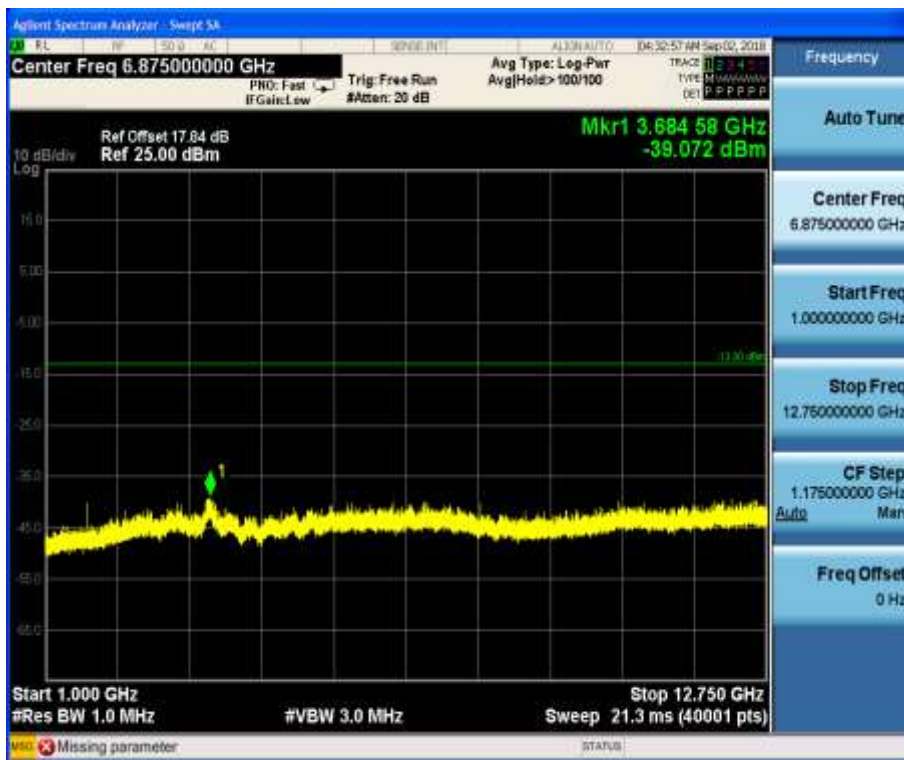
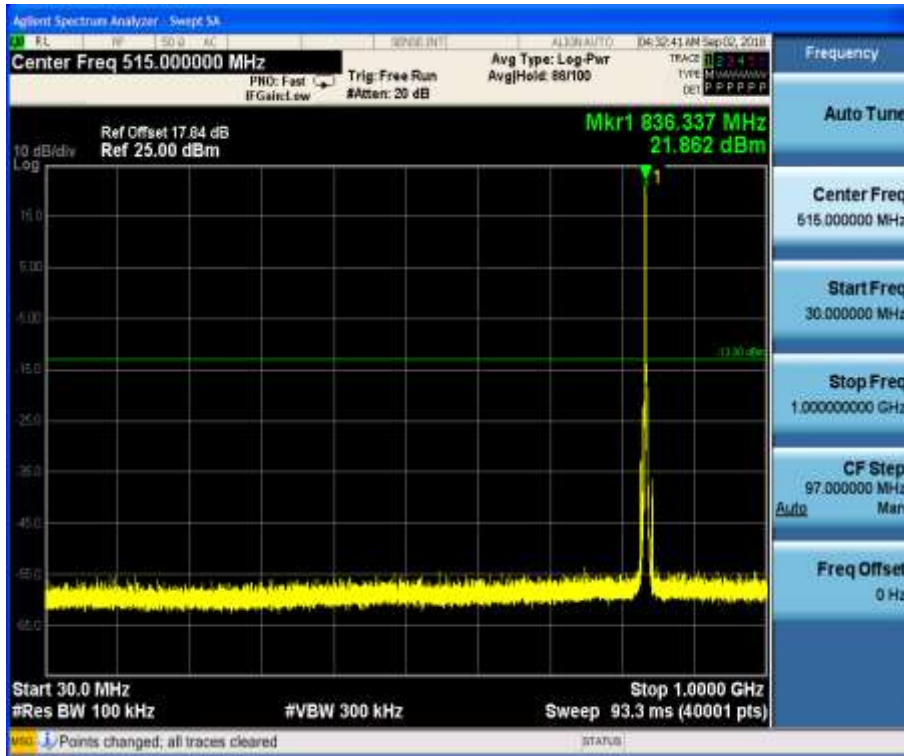




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

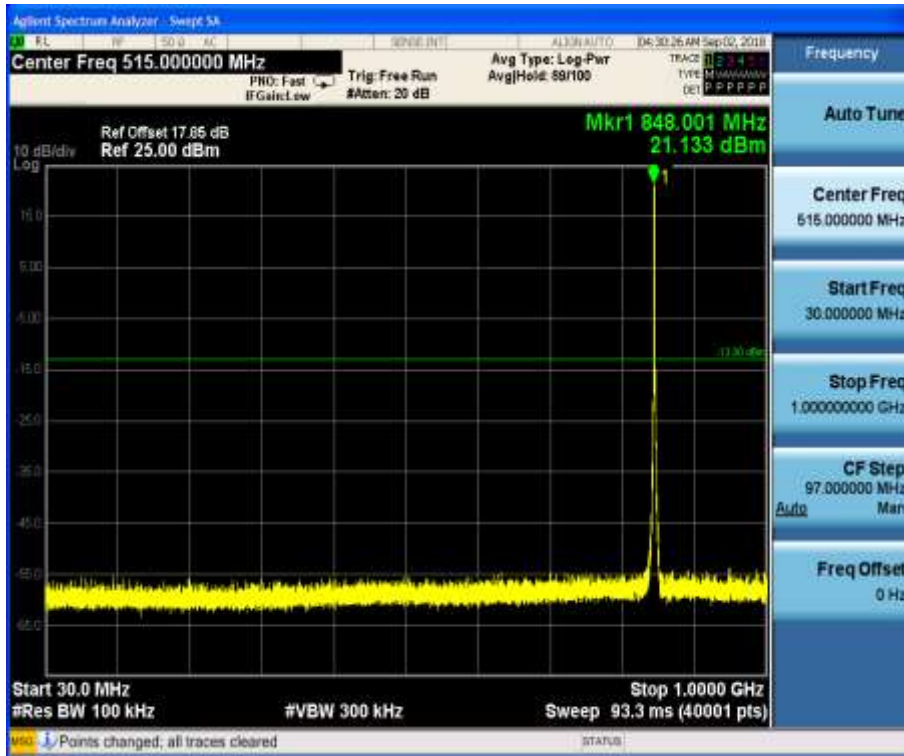




6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





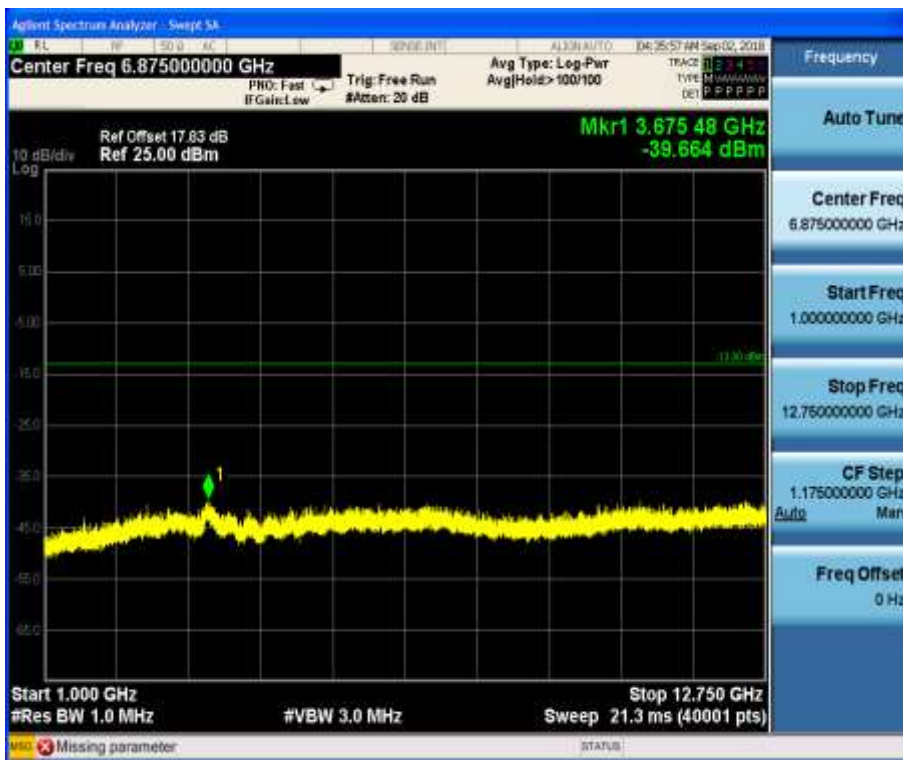
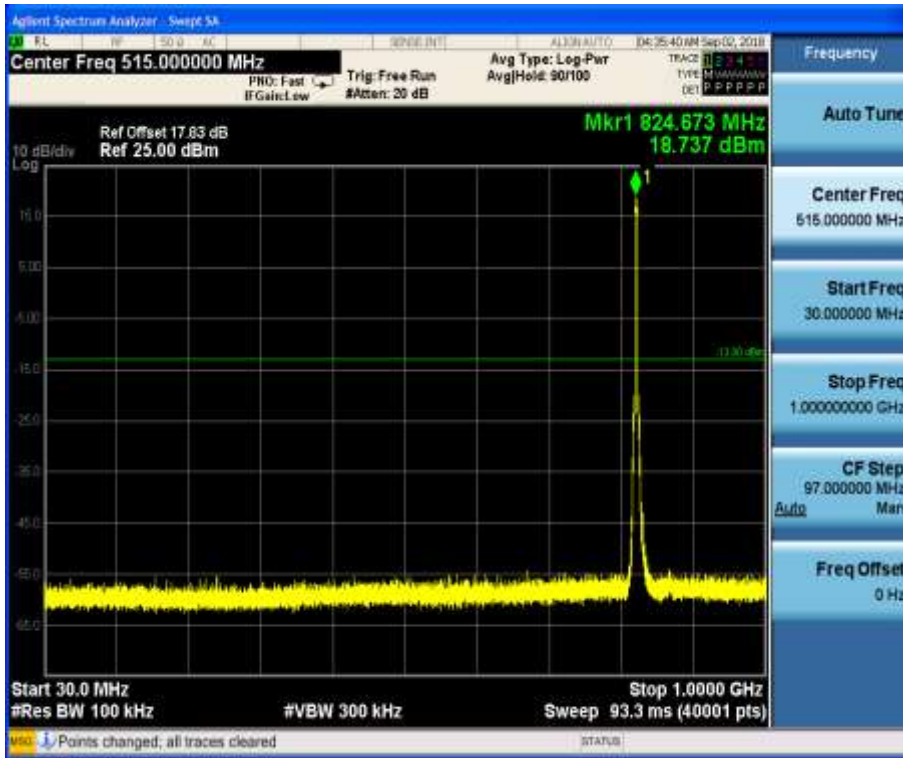


6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

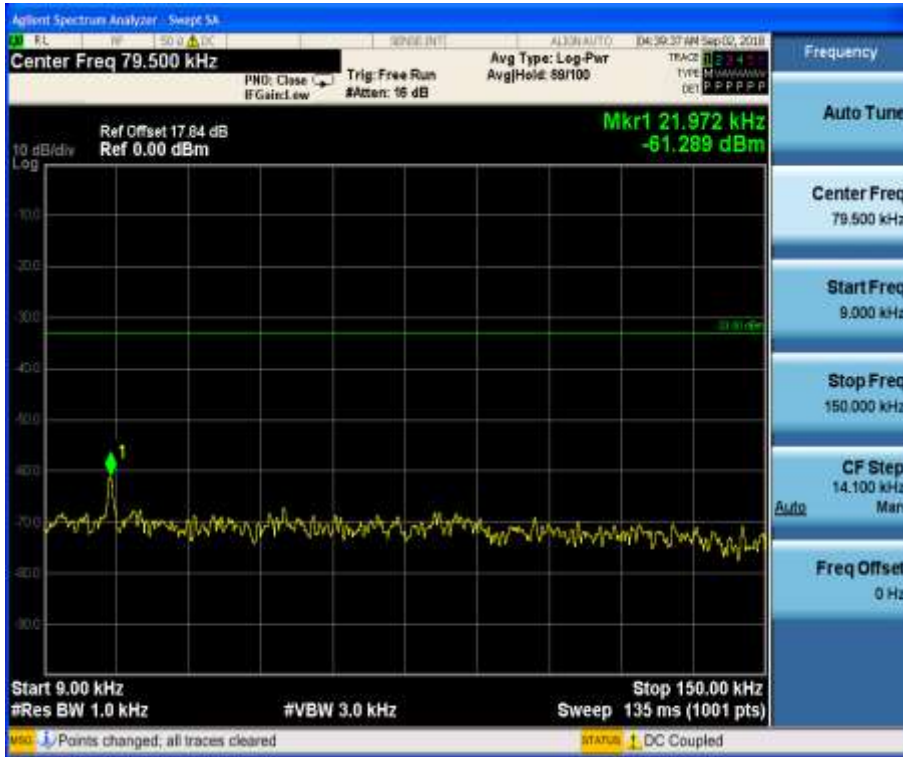
6.2.1.2.2.1.1 Test RB = RB1#0

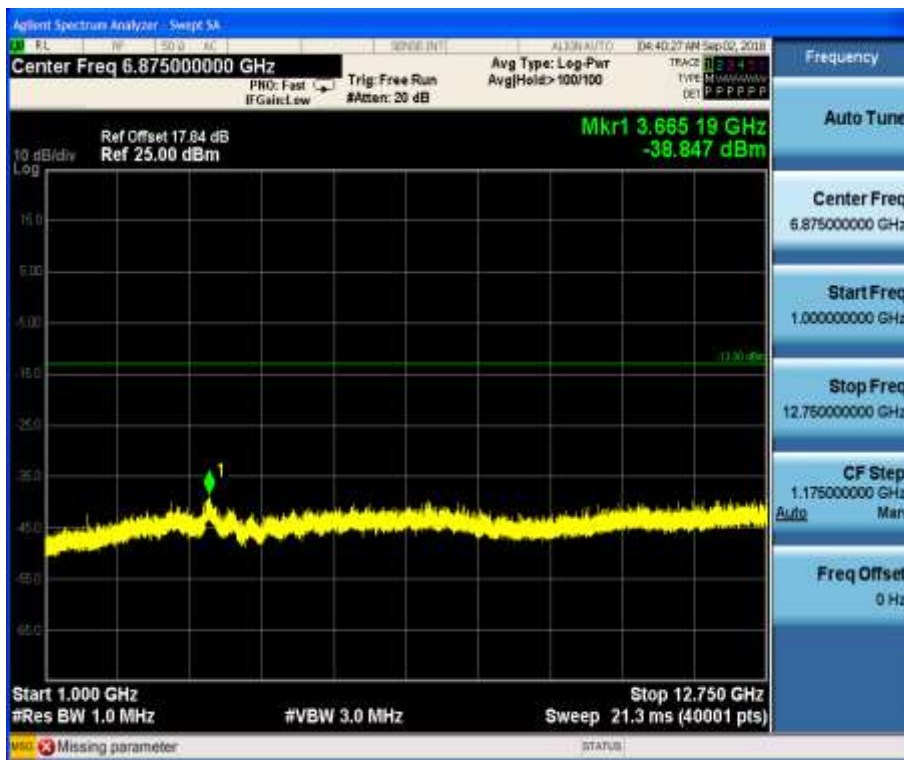
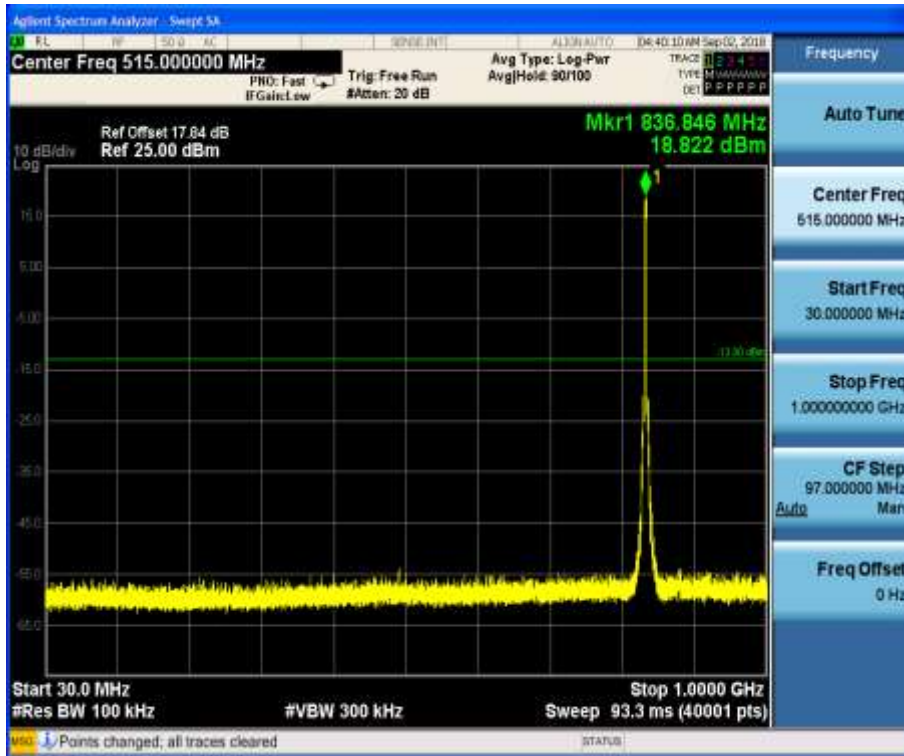




6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0

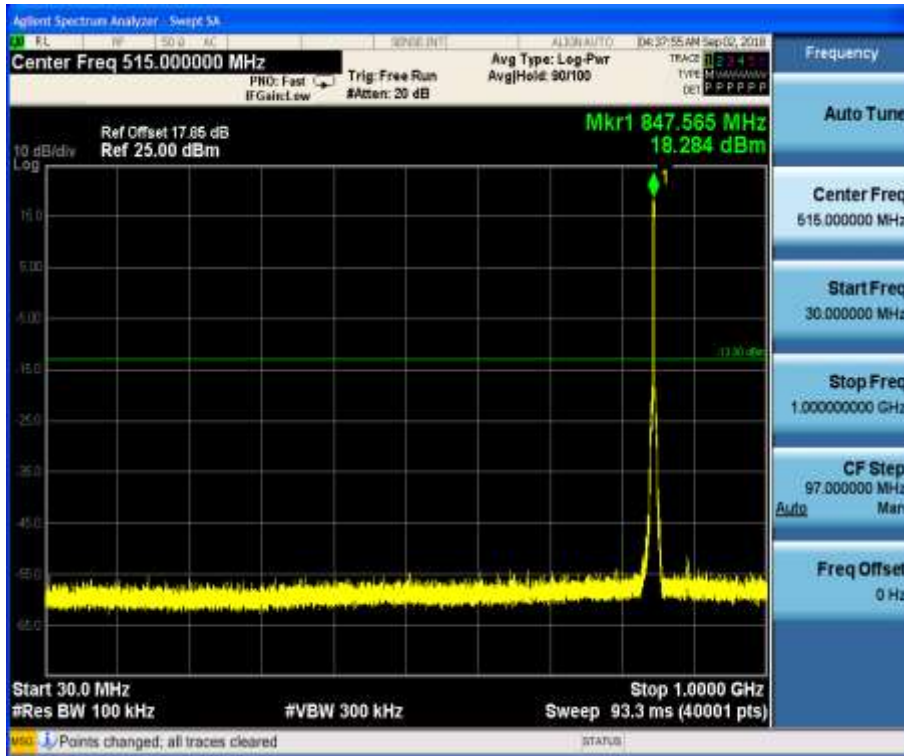




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0

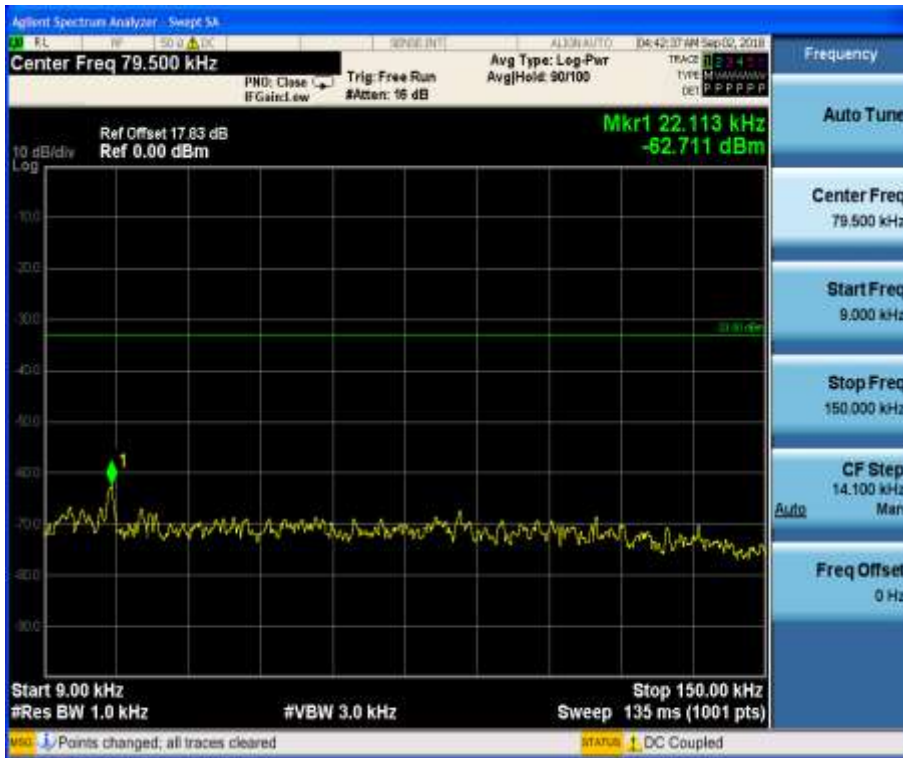


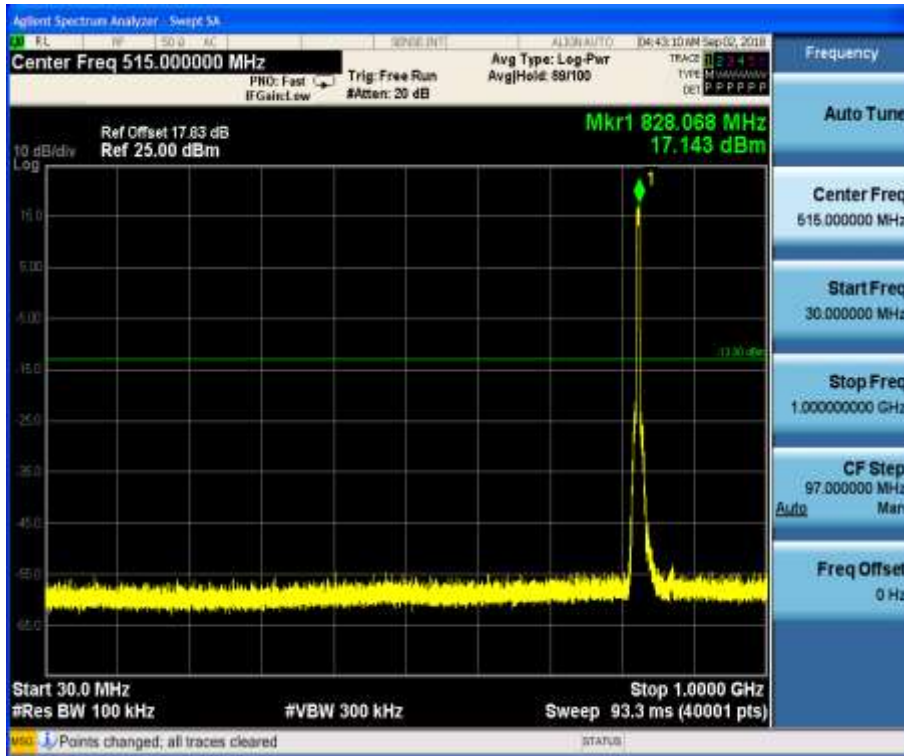


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0

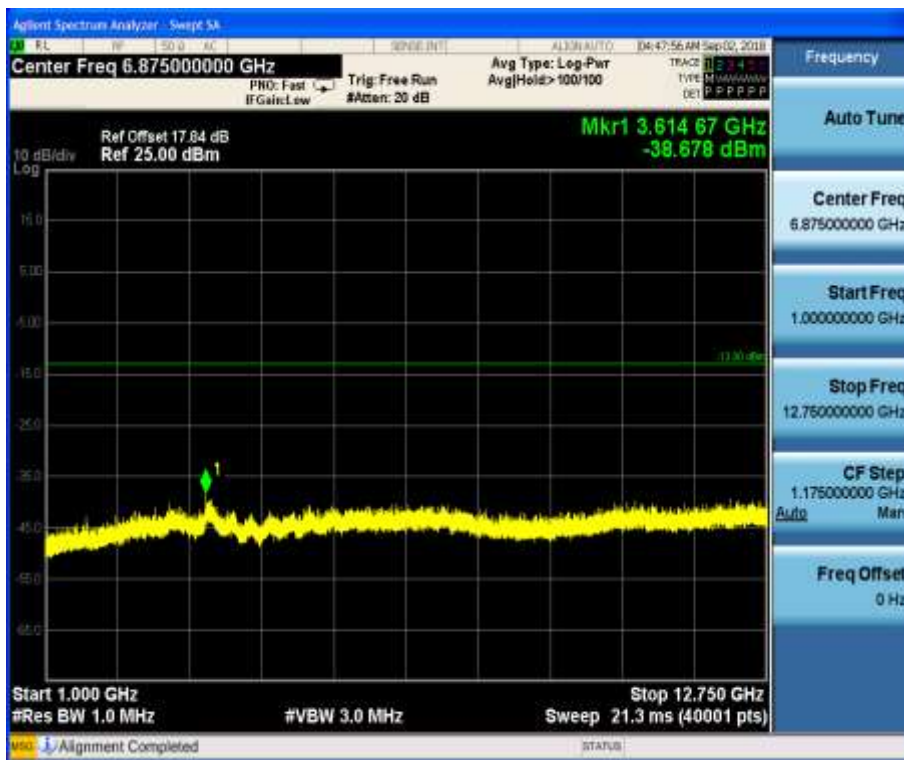
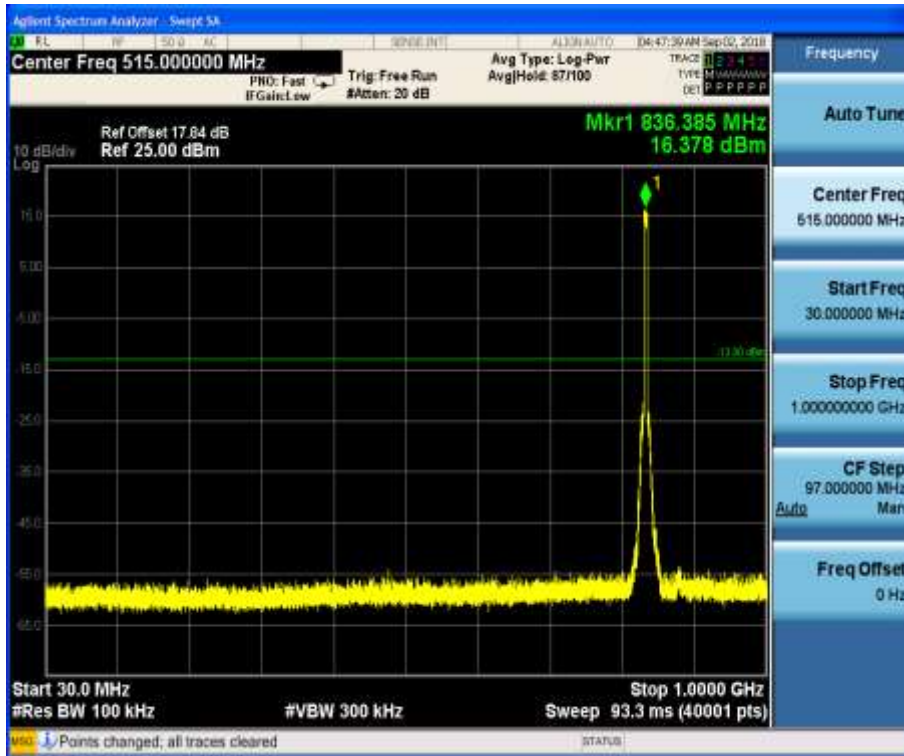




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

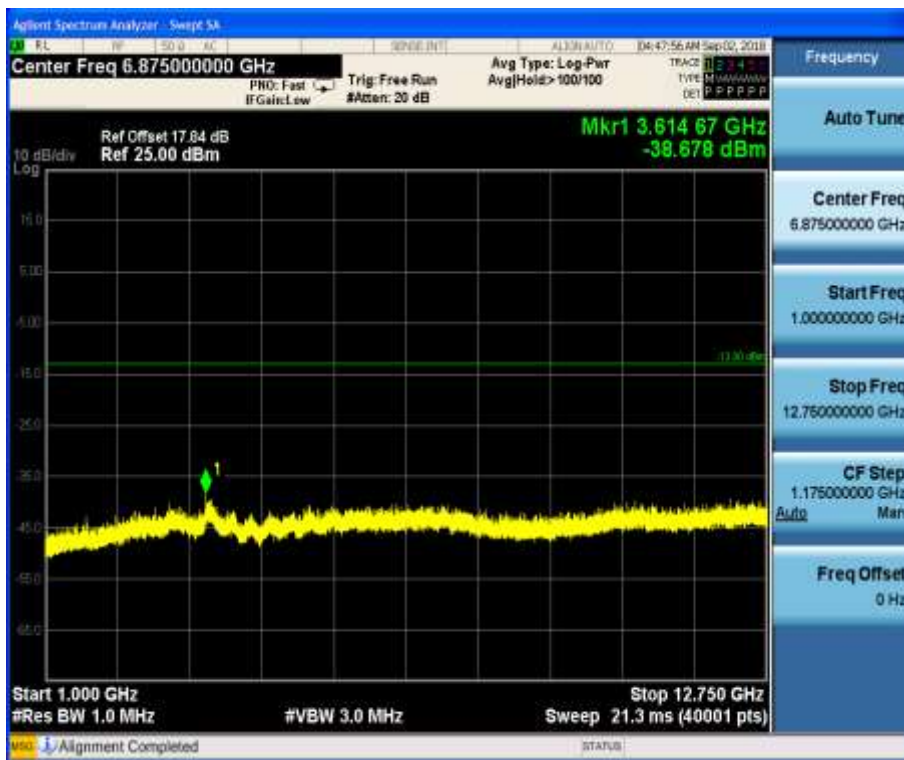
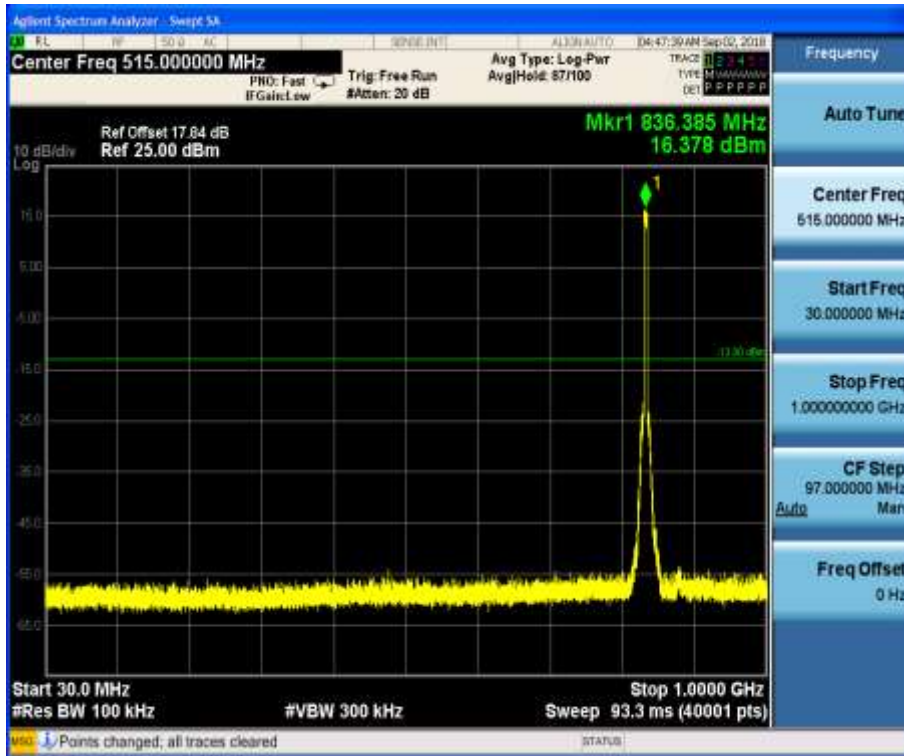




6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0



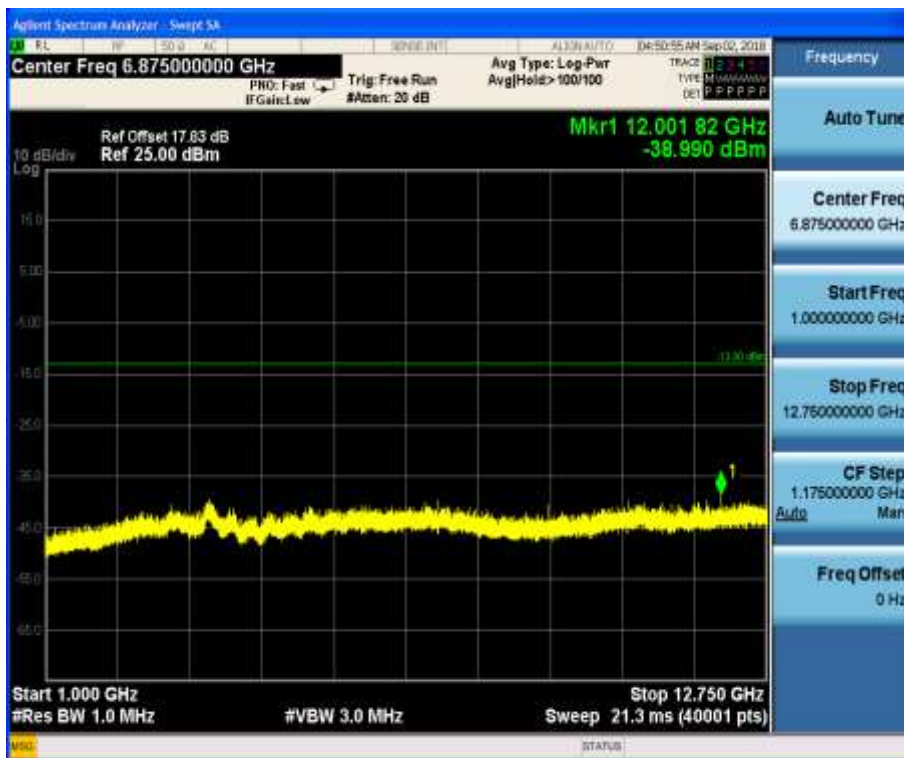
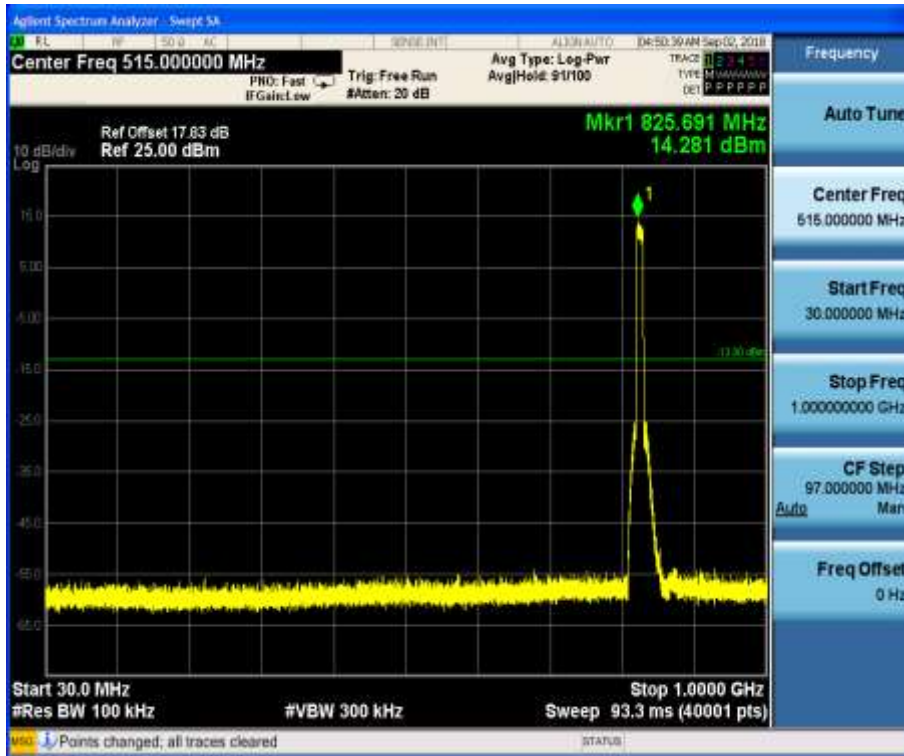


6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

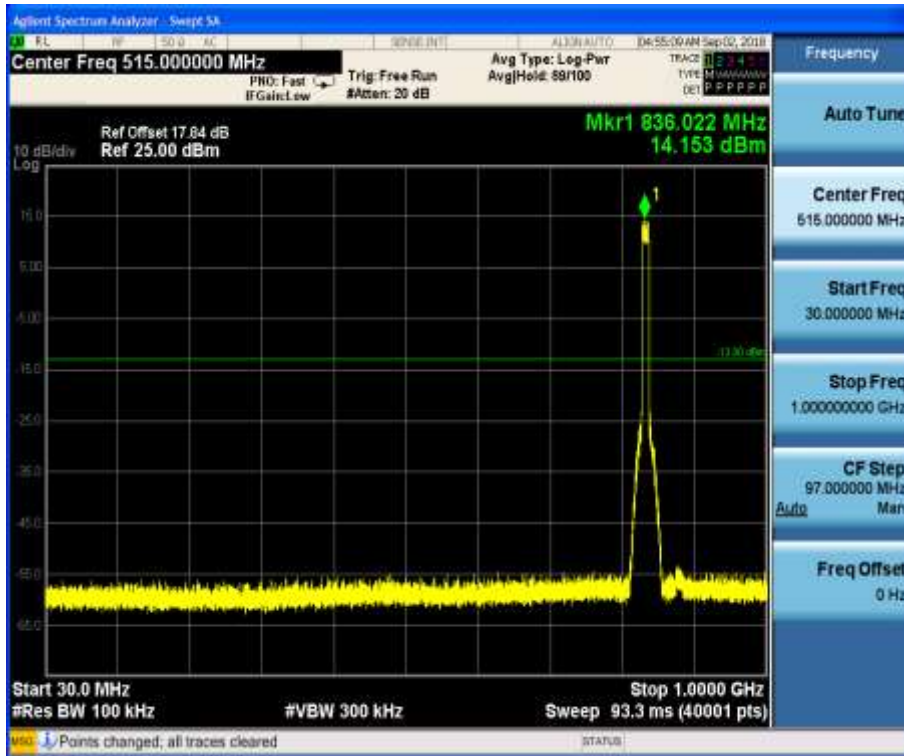




6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0

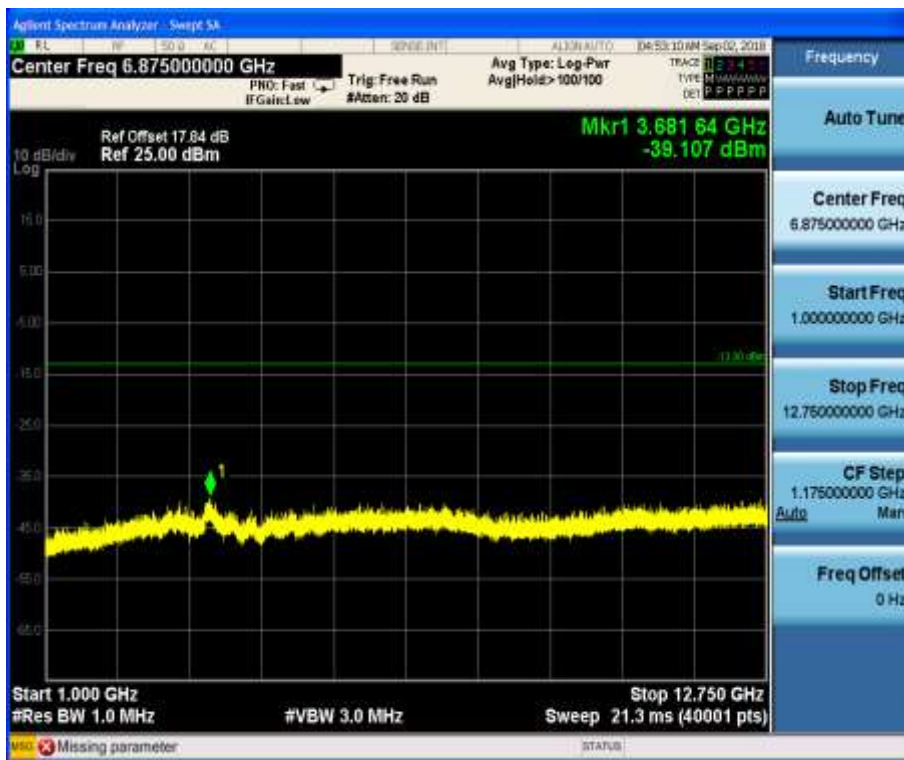
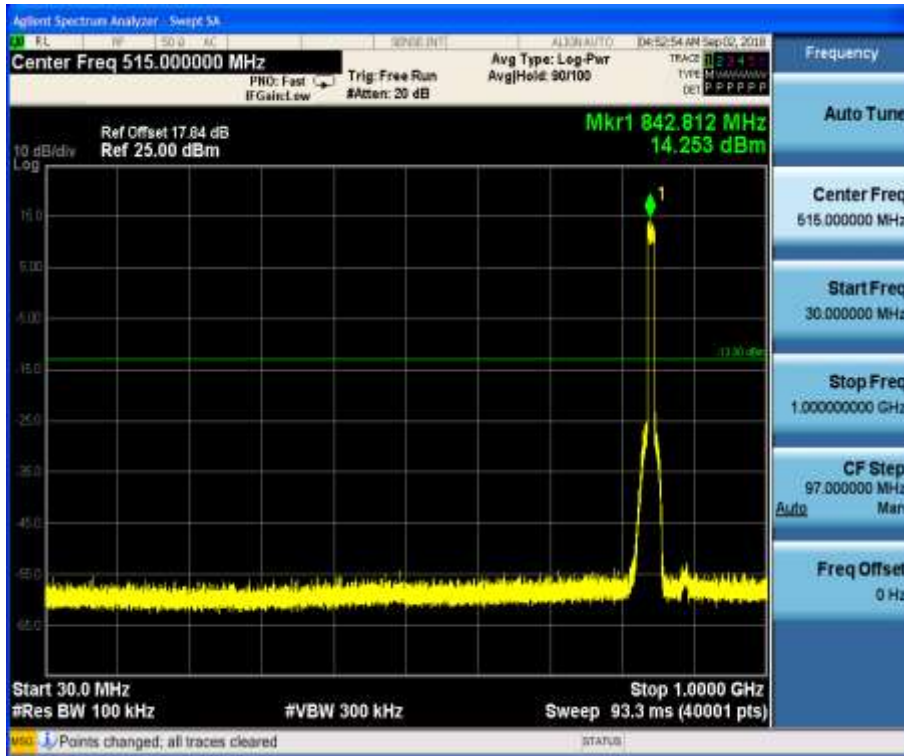




6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 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, RBW = 200Hz, VBW = 600 Hz, Detector: PK

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

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

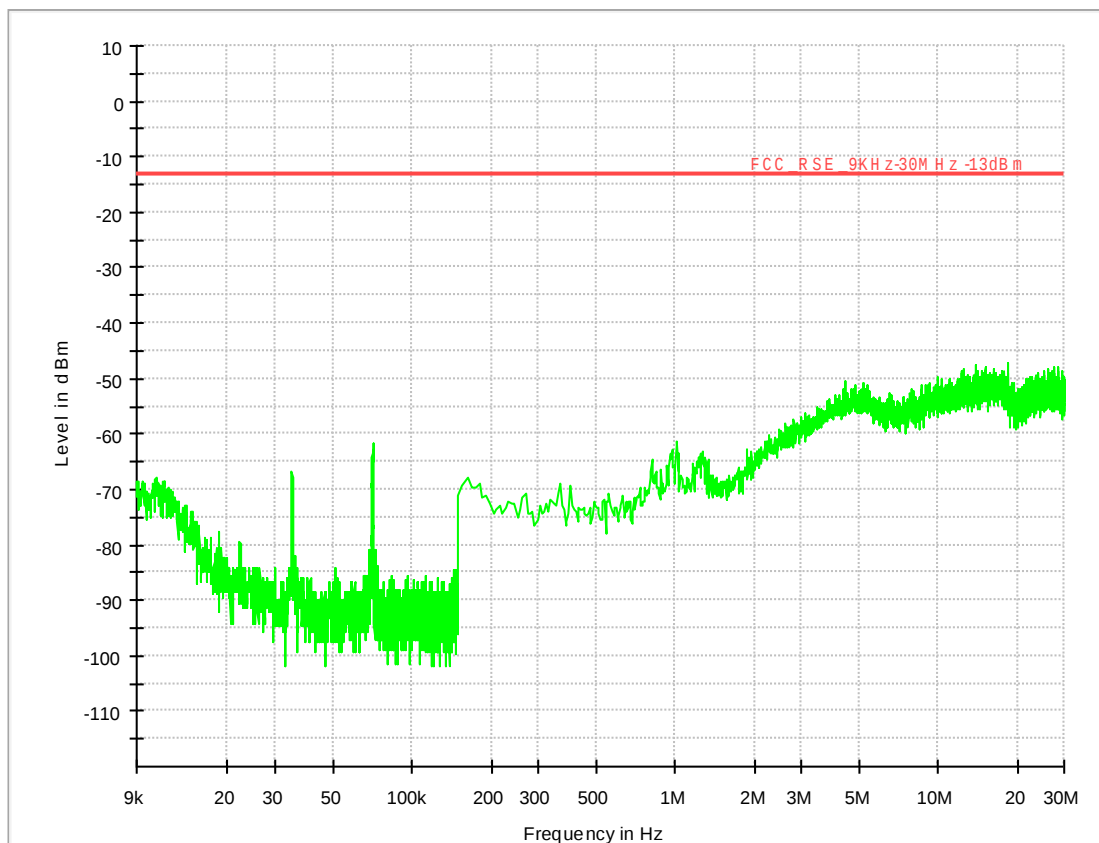
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

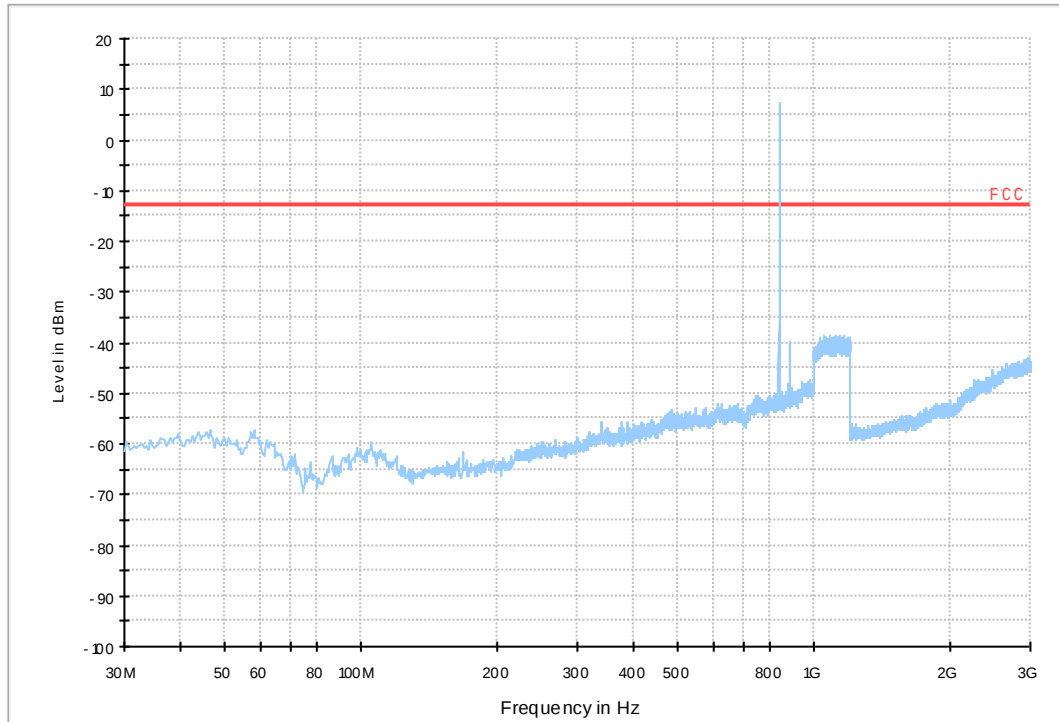
7.1 For LTE

7.1.1 Test Band = BAND5_ANT1

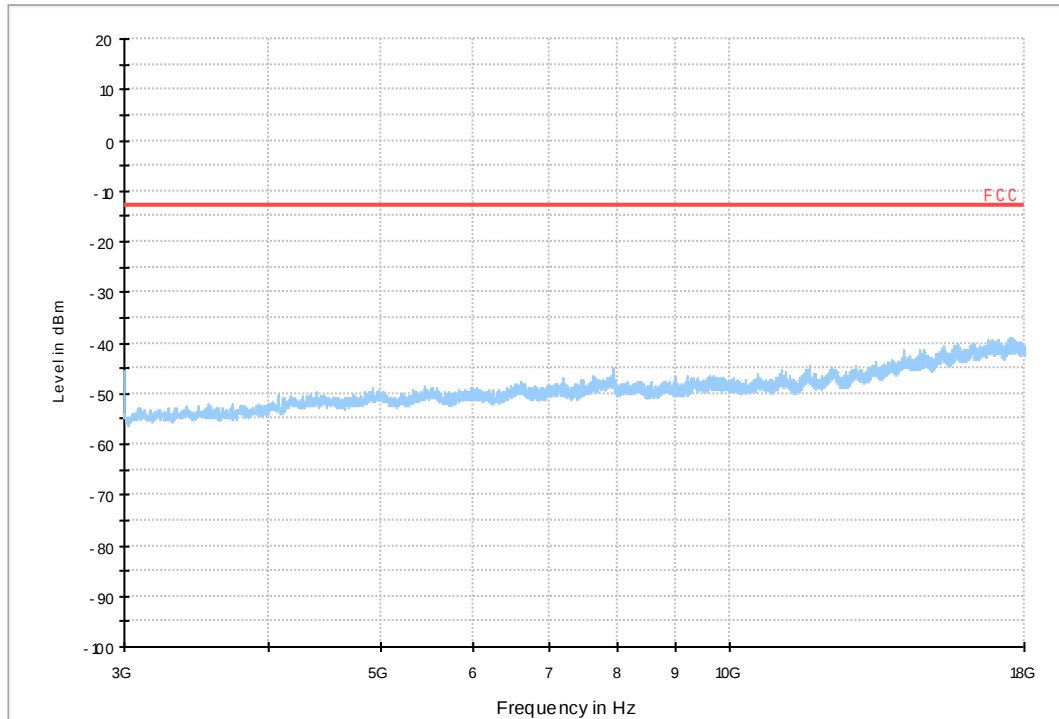
7.1.1.1 Test Bandwidth = 1.4



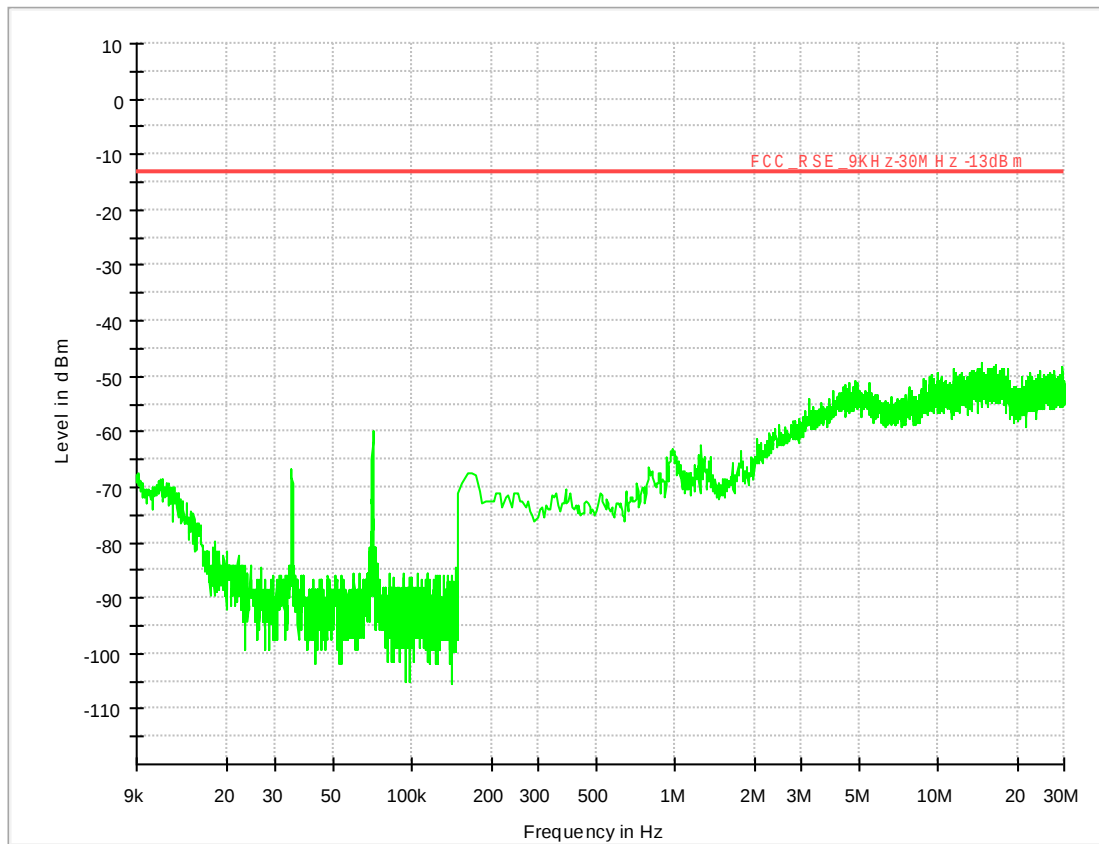
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



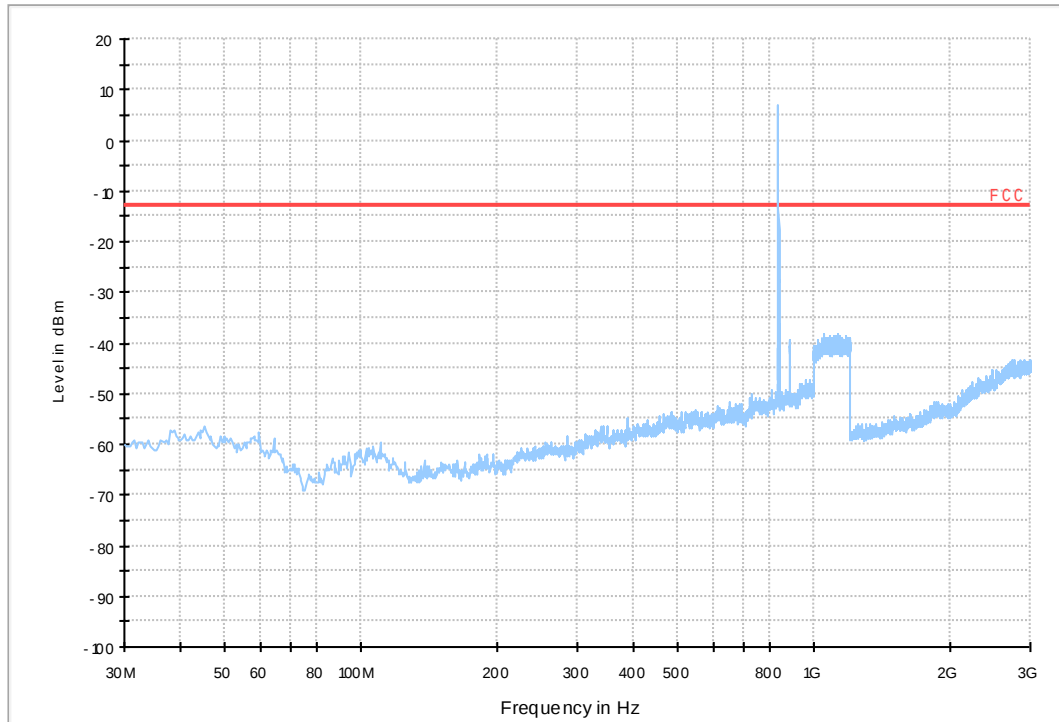
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



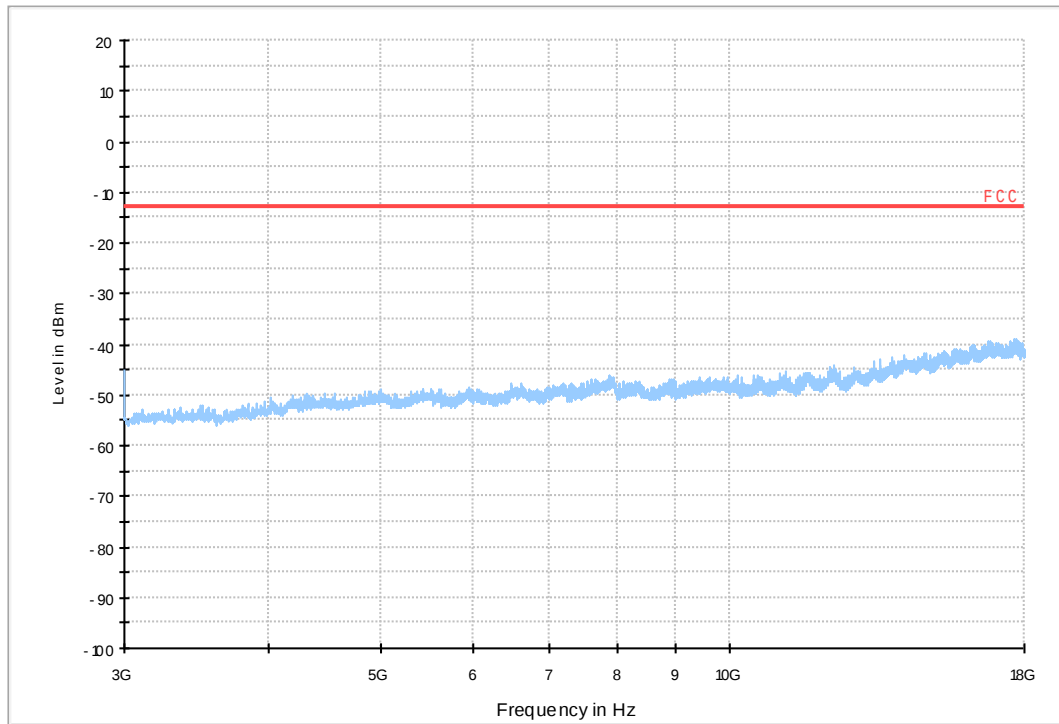
7.1.1.2 Test Bandwidth = 5



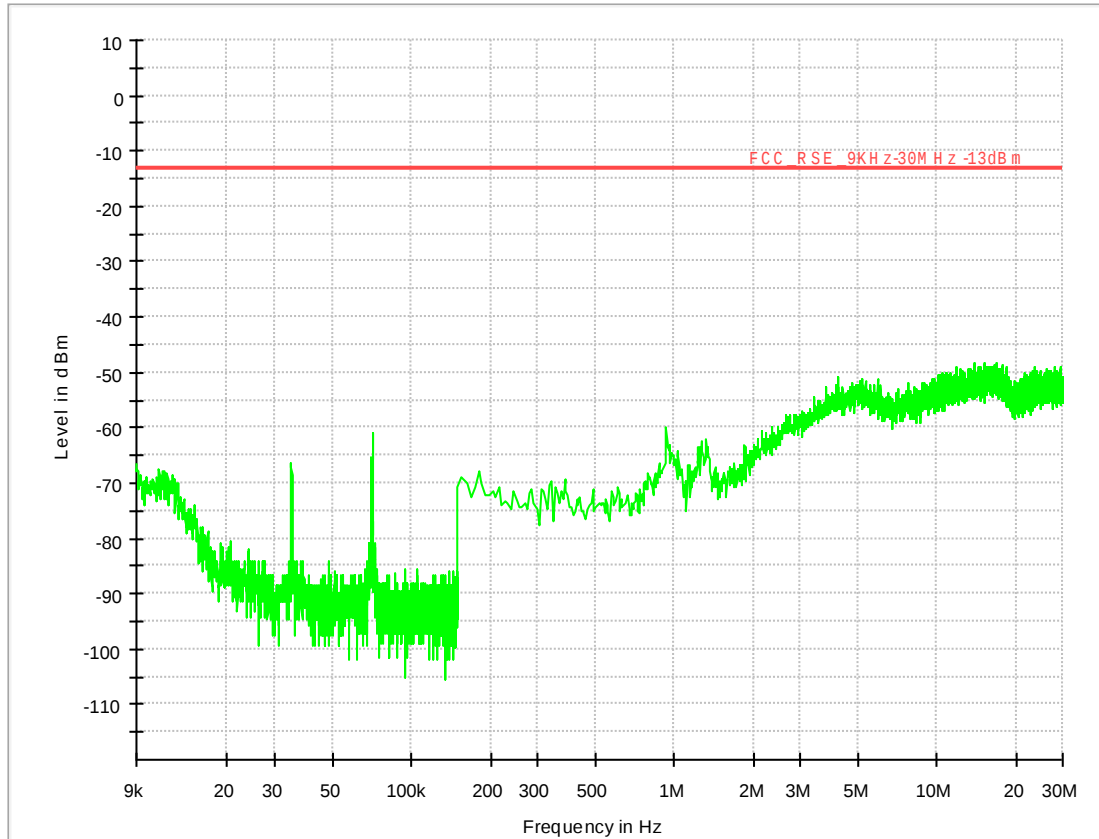
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



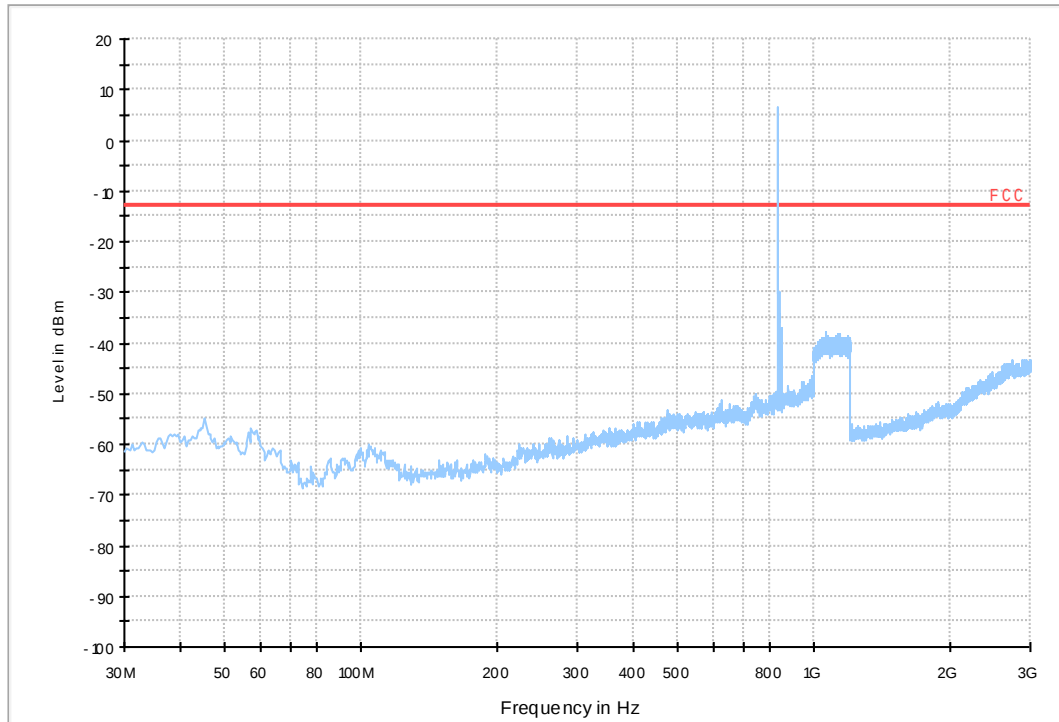
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



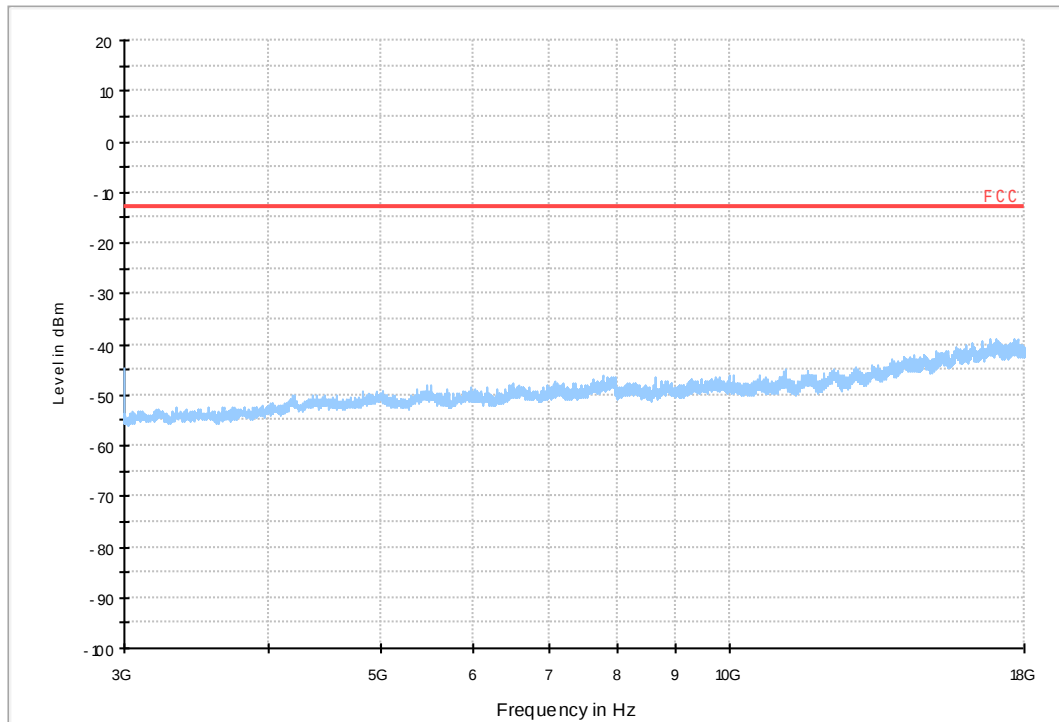
7.1.1.3 Test Bandwidth = 10



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

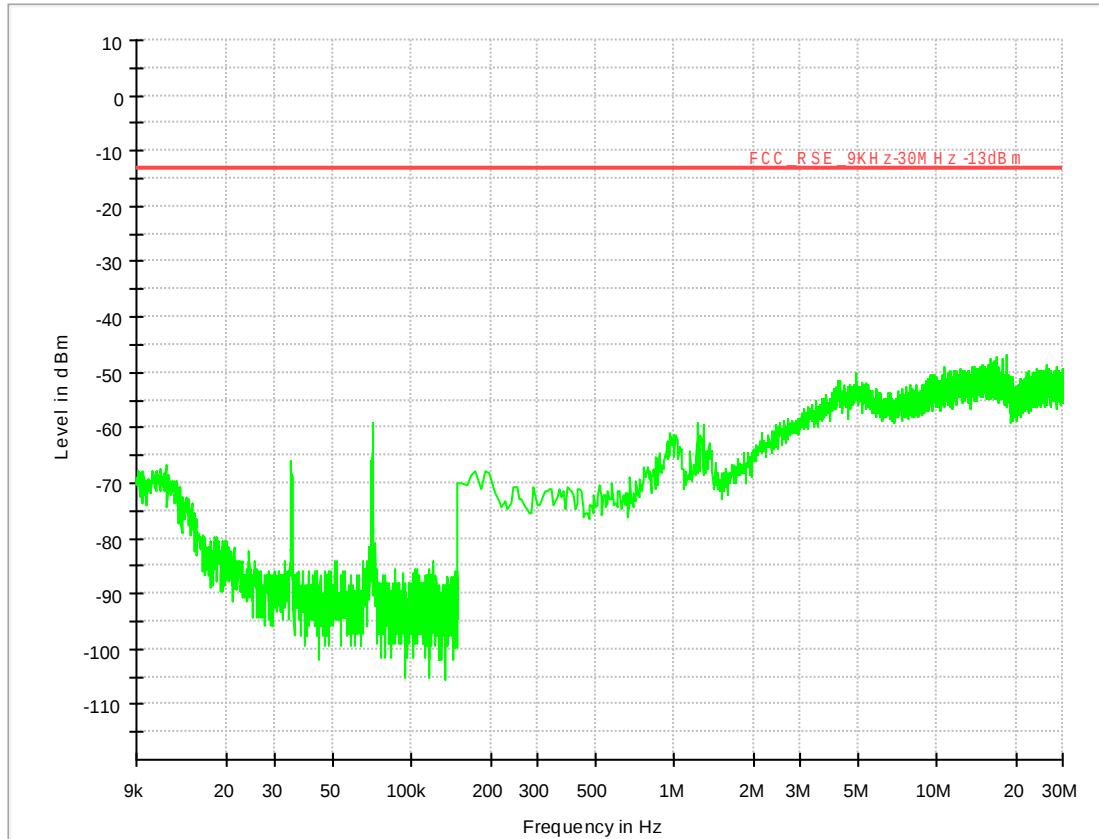


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

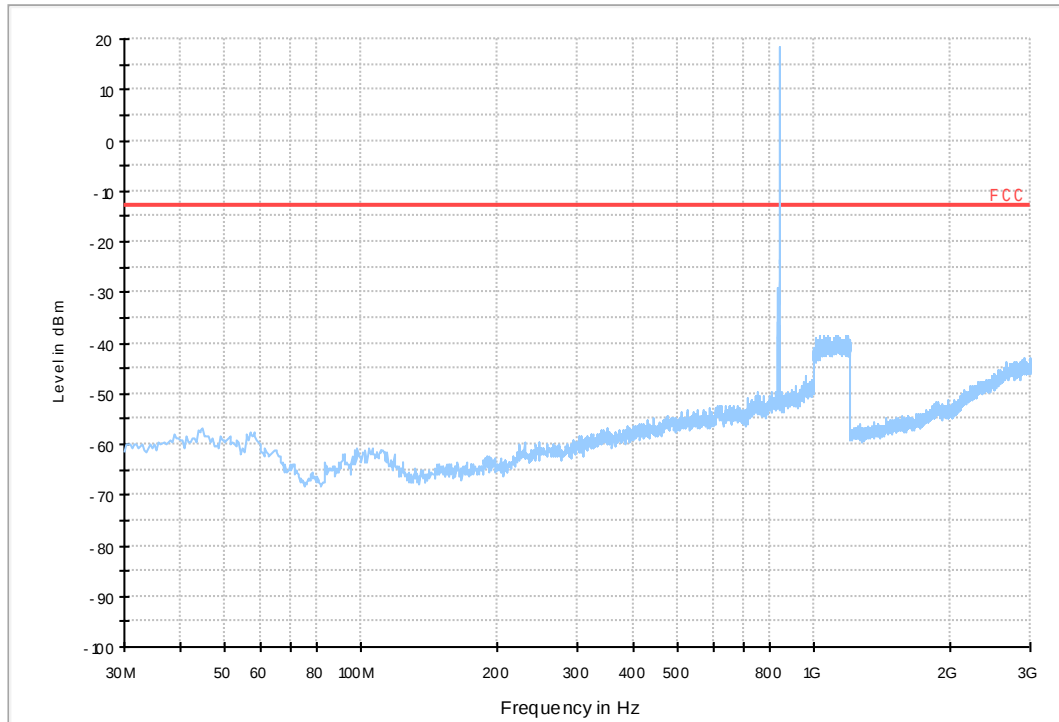


7.1.2 Test Band = BAND5_ANT2

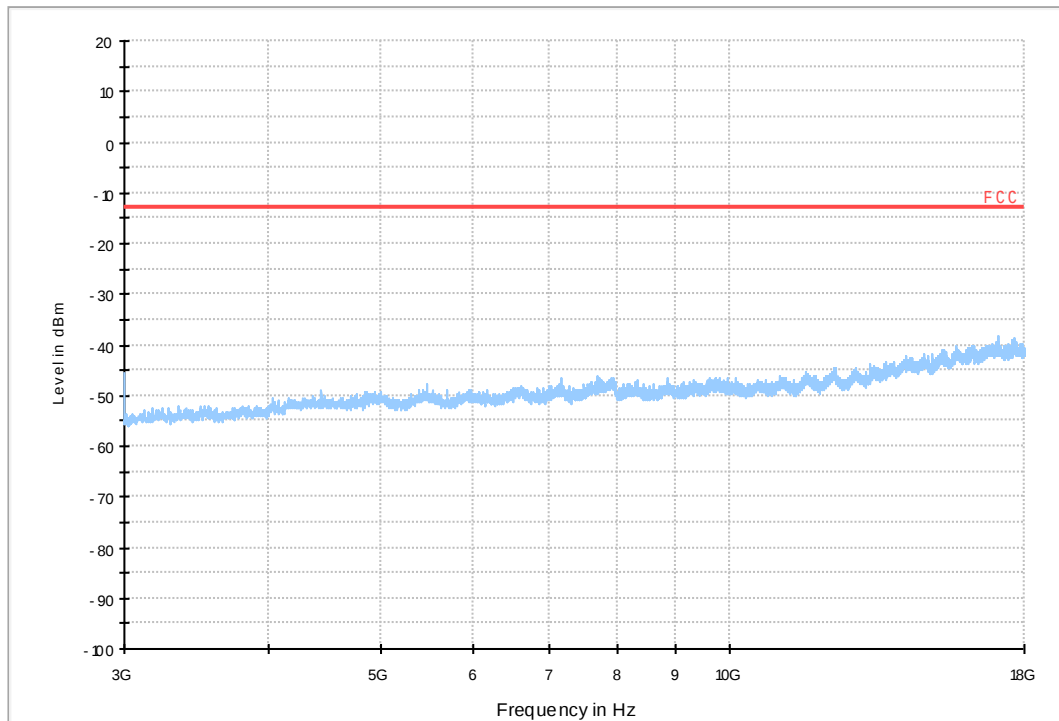
7.1.2.1 Test Bandwidth = 1.4



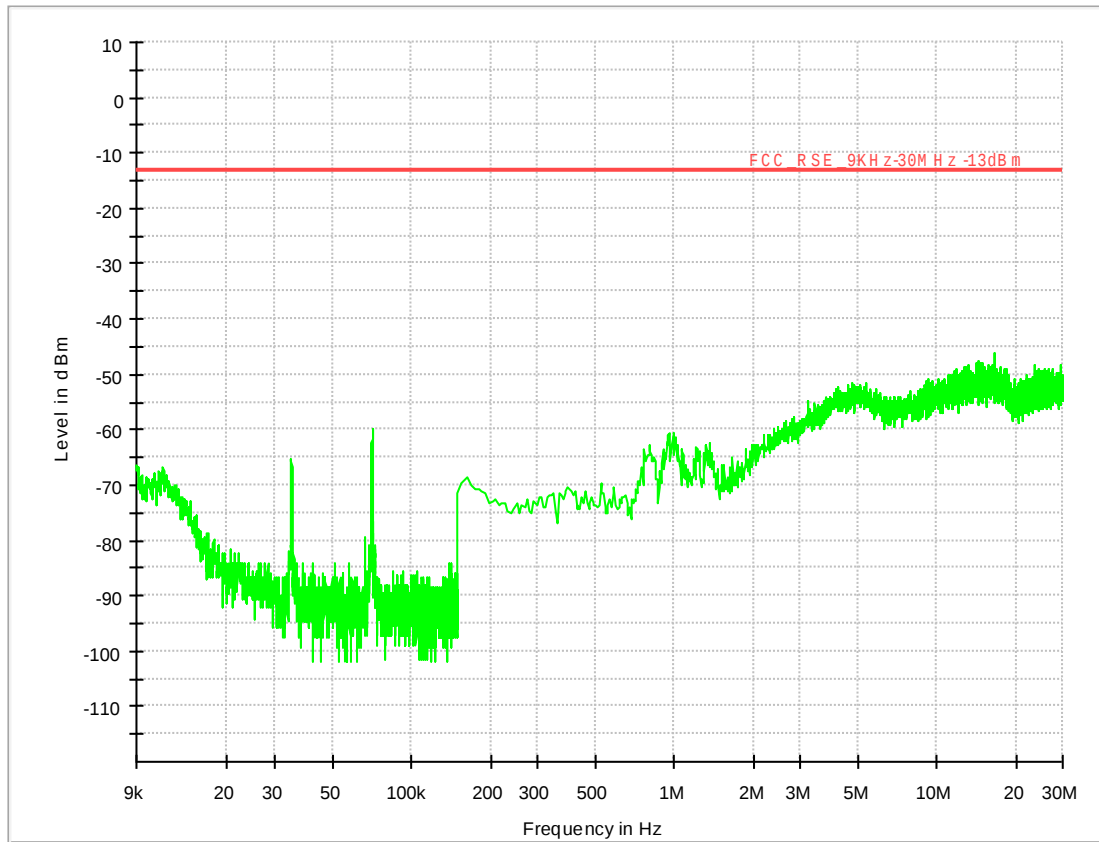
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



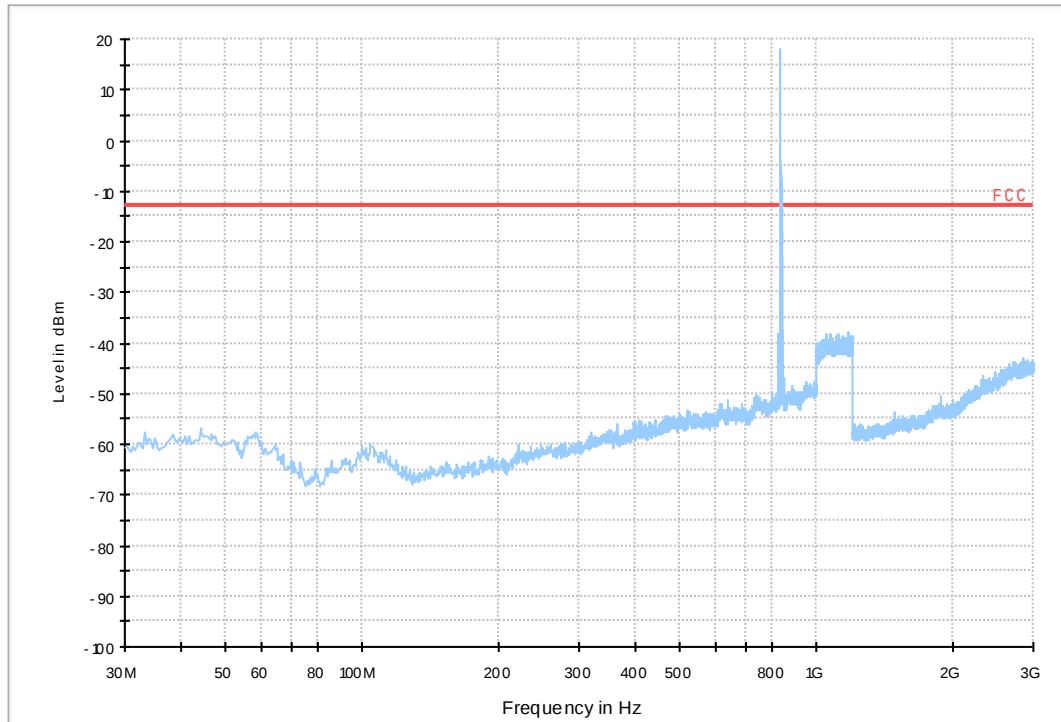
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



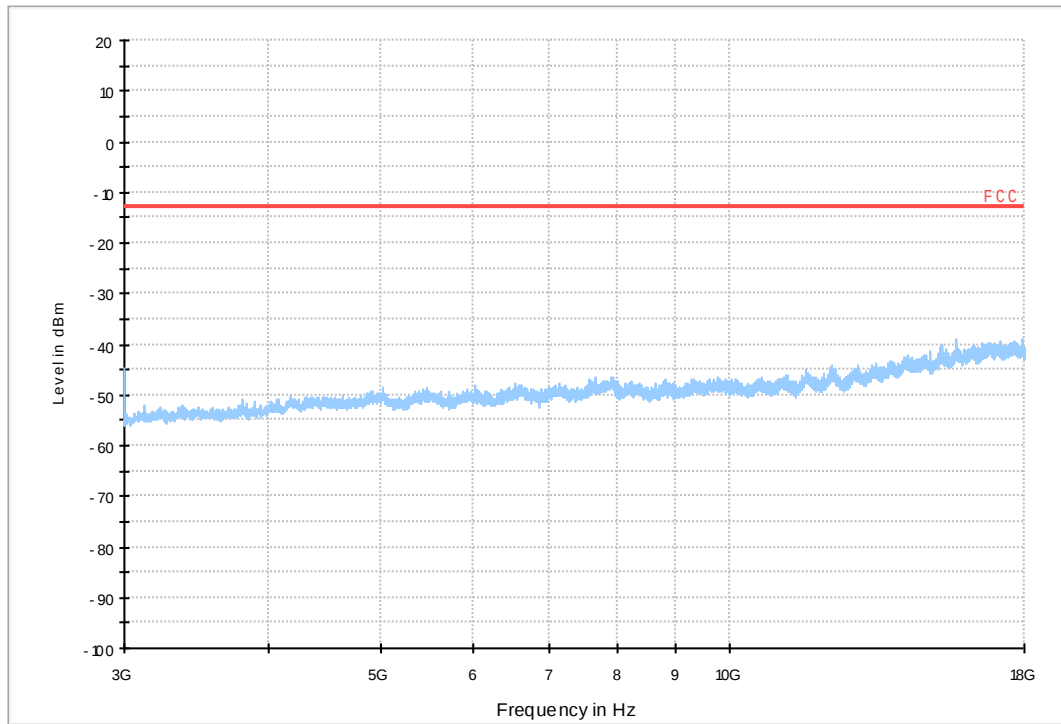
7.1.2.2 Test Bandwidth = 5



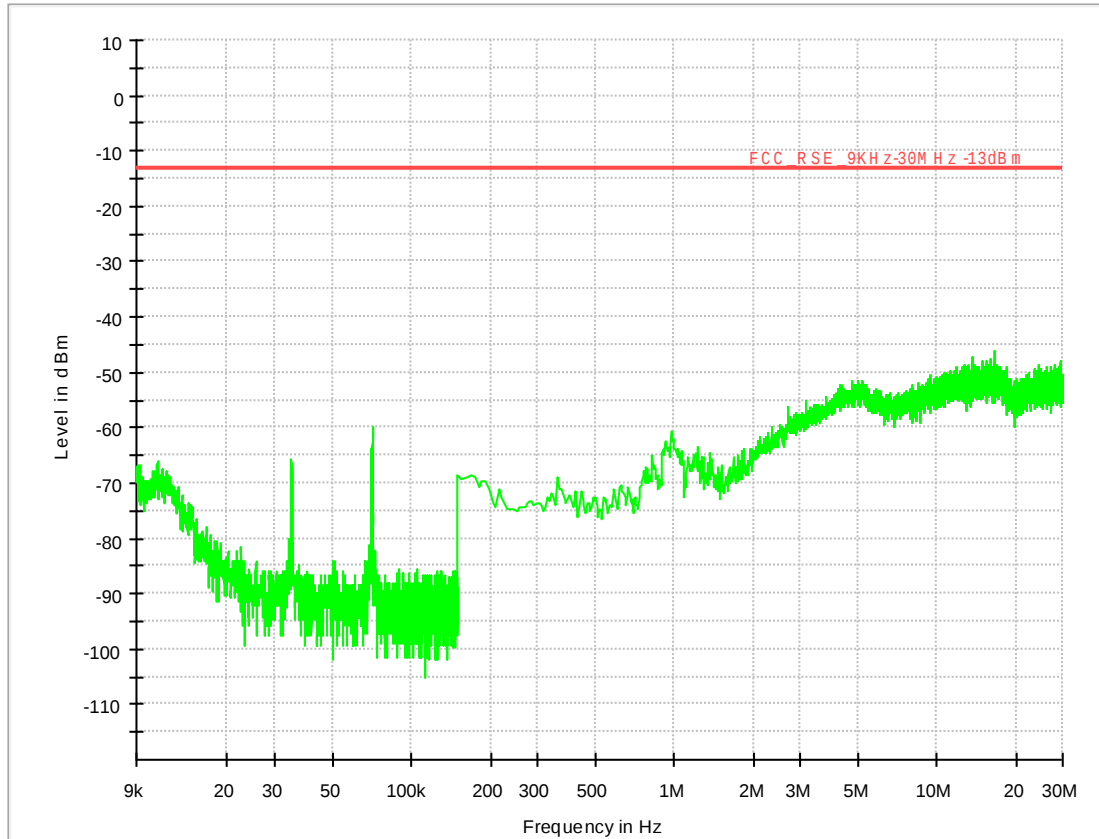
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



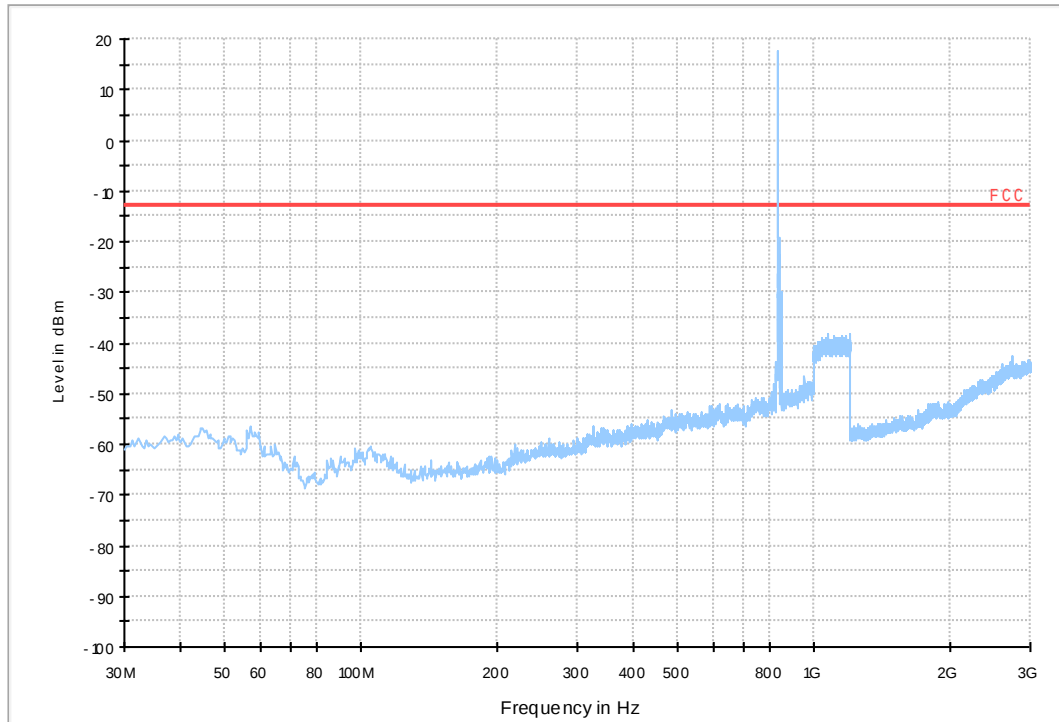
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



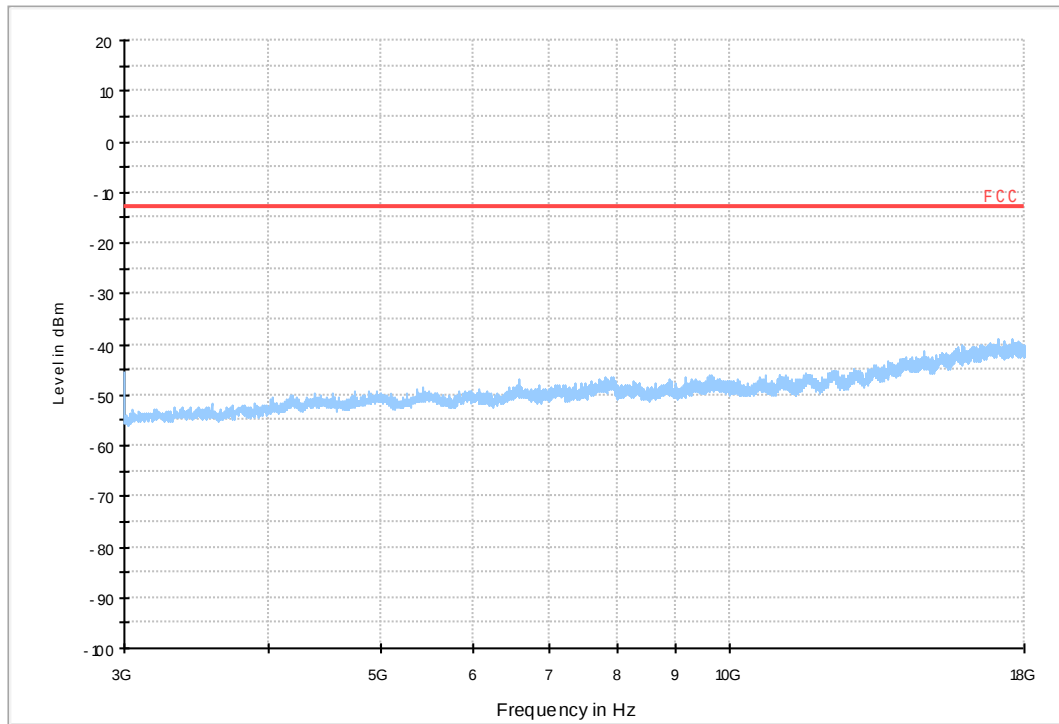
7.1.2.3 Test Bandwidth = 10



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD 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
BAND5	LTE/TM1	1.4	LCH	TN	VL	7.81059	0.00947	PASS
					VN	0.18597	0.00023	PASS
					VH	-0.05722	-0.00007	PASS
			MCH	TN	VL	2.27451	0.00272	PASS
					VN	-1.21593	-0.00145	PASS
					VH	-8.76904	-0.01048	PASS
			HCH	TN	VL	-8.35419	-0.00985	PASS
					VN	15.62119	0.01841	PASS
					VH	3.14712	0.00371	PASS
		3	LCH	TN	VL	5.14984	0.00624	PASS
					VN	3.36170	0.00407	PASS
					VH	-0.87261	-0.00106	PASS
			MCH	TN	VL	3.56197	0.00426	PASS
					VN	-0.72956	-0.00087	PASS
					VH	-8.95500	-0.01071	PASS
			HCH	TN	VL	1.65939	0.00196	PASS
					VN	-1.65939	-0.00196	PASS
					VH	-4.22001	-0.00498	PASS
		5	LCH	TN	VL	1.18732	0.00144	PASS
					VN	-2.51770	-0.00305	PASS
					VH	0.20027	0.00024	PASS
			MCH	TN	VL	1.33038	0.00159	PASS
					VN	2.74658	0.00328	PASS
					VH	-4.66347	-0.00557	PASS
			HCH	TN	VL	-0.98705	-0.00117	PASS
					VN	0.95844	0.00113	PASS
					VH	2.91824	0.00345	PASS
		10	LCH	TN	VL	0.02861	0.00003	PASS
					VN	2.11716	0.00255	PASS
					VH	1.61648	0.00195	PASS
			MCH	TN	VL	0.54359	0.00065	PASS
					VN	0.90122	0.00108	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	0.07153	0.00009	PASS
					VL	1.55926	0.00185	PASS
					VN	-5.95093	-0.00705	PASS
					VH	2.30312	0.00273	PASS
		1.4	LCH	TN	VL	3.54767	0.00430	PASS
					VN	-8.81195	-0.01069	PASS
					VH	-4.10557	-0.00498	PASS
			MCH	TN	VL	0.55790	0.00067	PASS
					VN	11.77311	0.01407	PASS
					VH	22.38750	0.02676	PASS
			HCH	TN	VL	12.60281	0.01486	PASS
					VN	7.91073	0.00933	PASS
					VH	2.80380	0.00331	PASS
		3	LCH	TN	VL	-3.86238	-0.00468	PASS
					VN	1.64509	0.00199	PASS
					VH	-2.53200	-0.00307	PASS
			MCH	TN	VL	1.98841	0.00238	PASS
					VN	-0.87261	-0.00104	PASS
					VH	-2.86102	-0.00342	PASS
			HCH	TN	VL	0.62943	0.00074	PASS
					VN	1.00136	0.00118	PASS
					VH	-0.07153	-0.00008	PASS
		5	LCH	TN	VL	-3.27587	-0.00396	PASS
					VN	1.84536	0.00223	PASS
					VH	-2.97546	-0.00360	PASS
			MCH	TN	VL	-5.16415	-0.00617	PASS
					VN	0.48637	0.00058	PASS
					VH	6.23703	0.00746	PASS
			HCH	TN	VL	0.84400	0.00100	PASS
					VN	-0.12875	-0.00015	PASS
					VH	-1.85966	-0.00220	PASS
		10	LCH	TN	VL	-1.75953	-0.00212	PASS
					VN	2.10285	0.00254	PASS
					VH	-0.31471	-0.00038	PASS
			MCH	TN	VL	3.33309	0.00398	PASS
					VN	-0.38624	-0.00046	PASS
					VH	3.74794	0.00448	PASS
			HCH	TN	VL	-0.05722	-0.00007	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.11444	-0.00014	PASS
					VH	-1.57356	-0.00186	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
BAND5	LTE/TM1	1.4	LCH	VN	-30	1.30177	0.00158	PASS
					-20	6.13689	0.00744	PASS
					-10	12.07352	0.01464	PASS
					0	-5.13554	-0.00623	PASS
					10	-0.11444	-0.00014	PASS
					20	0.18597	0.00023	PASS
					30	-7.25269	-0.00879	PASS
					40	-4.17709	-0.00506	PASS
					50	-12.57420	-0.01525	PASS
			MCH	VN	-30	9.05514	0.01083	PASS
					-20	-3.87669	-0.00463	PASS
					-10	-0.41485	-0.00050	PASS
					0	1.21593	0.00145	PASS
					10	-7.02381	-0.00840	PASS
					20	-1.21593	-0.00145	PASS
					30	-11.18660	-0.01337	PASS
					40	-12.24518	-0.01464	PASS
					50	-9.49860	-0.01136	PASS
			HCH	VN	-30	7.53880	0.00889	PASS
					-20	3.74794	0.00442	PASS
					-10	0.01431	0.00002	PASS
					0	-24.37592	-0.02874	PASS
					10	-66.96224	-0.07894	PASS
					20	15.62119	0.01841	PASS
					30	-1.61648	-0.00191	PASS
					40	4.03404	0.00476	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-10.24246	-0.01207	PASS
					-30	-0.67234	-0.00081	PASS
		3	LCH	VN	-20	-1.75953	-0.00213	PASS
					-10	7.16686	0.00868	PASS
					0	-3.03268	-0.00367	PASS
					10	5.77927	0.00700	PASS
					20	3.36170	0.00407	PASS
					30	-0.74387	-0.00090	PASS
					40	8.59737	0.01041	PASS
					50	-2.61784	-0.00317	PASS
			MCH	VN	-30	-3.00407	-0.00359	PASS
					-20	-2.20299	-0.00263	PASS
					-10	0.61512	0.00074	PASS
					0	3.63350	0.00434	PASS
					10	7.13825	0.00853	PASS
					20	-0.72956	-0.00087	PASS
					30	4.23431	0.00506	PASS
					40	-1.77383	-0.00212	PASS
					50	5.02109	0.00600	PASS
			HCH	VN	-30	0.51498	0.00061	PASS
					-20	-2.00272	-0.00236	PASS
					-10	-1.37329	-0.00162	PASS
					0	-0.17166	-0.00020	PASS
					10	-0.88692	-0.00105	PASS
					20	-1.65939	-0.00196	PASS
					30	-2.76089	-0.00326	PASS
					40	-2.31743	-0.00273	PASS
					50	1.40190	0.00165	PASS
		5	LCH	VN	-30	14.56261	0.01762	PASS
					-20	0.04292	0.00005	PASS
					-10	5.12123	0.00620	PASS
					0	5.83649	0.00706	PASS
					10	3.07560	0.00372	PASS
					20	-2.51770	-0.00305	PASS
					30	1.81675	0.00220	PASS
					40	7.22408	0.00874	PASS
					50	-2.11716	-0.00256	PASS
			MCH	VN	-30	1.33038	0.00159	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-6.79493	-0.00812	PASS
					-10	-3.04699	-0.00364	PASS
					0	-7.18117	-0.00858	PASS
					10	1.31607	0.00157	PASS
					20	2.74658	0.00328	PASS
					30	-4.43459	-0.00530	PASS
					40	1.41621	0.00169	PASS
					50	3.43323	0.00410	PASS
			HCH	VN	-30	0.77248	0.00091	PASS
					-20	0.01431	0.00002	PASS
					-10	-1.38760	-0.00164	PASS
					0	0.81539	0.00096	PASS
					10	-1.01566	-0.00120	PASS
					20	0.95844	0.00113	PASS
					30	0.68665	0.00081	PASS
					40	0.68665	0.00081	PASS
					50	1.57356	0.00186	PASS
		10	LCH	VN	-30	-0.40054	-0.00048	PASS
					-20	1.90258	0.00230	PASS
					-10	2.30312	0.00278	PASS
					0	2.57492	0.00311	PASS
					10	1.65939	0.00200	PASS
					20	2.11716	0.00255	PASS
					30	-0.48637	-0.00059	PASS
					40	1.38760	0.00167	PASS
					50	0.81539	0.00098	PASS
			MCH	VN	-30	1.84536	0.00221	PASS
					-20	1.95980	0.00234	PASS
					-10	-3.61919	-0.00433	PASS
					0	-1.70231	-0.00204	PASS
					10	5.63621	0.00674	PASS
					20	0.90122	0.00108	PASS
					30	-0.51498	-0.00062	PASS
					40	0.28610	0.00034	PASS
					50	0.07153	0.00009	PASS
			HCH	VN	-30	-3.37601	-0.00400	PASS
					-20	0.95844	0.00114	PASS
					-10	-2.41756	-0.00286	PASS
					0	-2.54631	-0.00302	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4			10	1.70231	0.00202	PASS
					20	-5.95093	-0.00705	PASS
					30	0.60081	0.00071	PASS
					40	8.91209	0.01056	PASS
					50	-3.11851	-0.00369	PASS
			LCH	VN	-30	-3.41892	-0.00415	PASS
					-20	0.00000	0.00000	PASS
					-10	-13.31806	-0.01615	PASS
					0	2.97546	0.00361	PASS
					10	-9.95636	-0.01207	PASS
					20	-8.81195	-0.01069	PASS
					30	-1.07288	-0.00130	PASS
					40	5.19276	0.00630	PASS
					50	6.95229	0.00843	PASS
			MCH	VN	-30	4.19140	0.00501	PASS
					-20	5.16415	0.00617	PASS
					-10	18.18180	0.02174	PASS
					0	-30.46989	-0.03643	PASS
					10	-5.89371	-0.00705	PASS
					20	11.77311	0.01407	PASS
					30	12.51698	0.01496	PASS
					40	-7.53880	-0.00901	PASS
					50	3.11851	0.00373	PASS
			HCH	VN	-30	-8.38280	-0.00988	PASS
					-20	-12.04491	-0.01420	PASS
					-10	10.25677	0.01209	PASS
					0	-8.95500	-0.01056	PASS
					10	-0.04292	-0.00005	PASS
					20	7.91073	0.00933	PASS
					30	-7.33852	-0.00865	PASS
					40	5.62191	0.00663	PASS
					50	11.07216	0.01305	PASS
		3	LCH	VN	-30	10.09941	0.01223	PASS
					-20	11.55853	0.01400	PASS
					-10	8.28266	0.01003	PASS
					0	-5.07832	-0.00615	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	1.21593	0.00147	PASS
					20	1.64509	0.00199	PASS
					30	6.30856	0.00764	PASS
					40	9.12666	0.01106	PASS
					50	9.24110	0.01119	PASS
			MCH	VN	-30	0.42915	0.00051	PASS
					-20	0.24319	0.00029	PASS
					-10	3.80516	0.00455	PASS
					0	-1.94550	-0.00233	PASS
					10	-2.58923	-0.00310	PASS
					20	-0.87261	-0.00104	PASS
					30	2.18868	0.00262	PASS
					40	-6.66618	-0.00797	PASS
					50	13.38959	0.01601	PASS
			HCH	VN	-30	0.05722	0.00007	PASS
					-20	-0.42915	-0.00051	PASS
					-10	-1.53065	-0.00181	PASS
					0	-1.55926	-0.00184	PASS
					10	0.44346	0.00052	PASS
					20	1.00136	0.00118	PASS
					30	-2.23160	-0.00263	PASS
					40	0.68665	0.00081	PASS
					50	-0.08583	-0.00010	PASS
		5	LCH	VN	-30	2.70367	0.00327	PASS
					-20	11.61575	0.01405	PASS
					-10	-5.85079	-0.00708	PASS
					0	6.96659	0.00843	PASS
					10	4.89235	0.00592	PASS
					20	1.84536	0.00223	PASS
					30	3.43323	0.00415	PASS
					40	3.53336	0.00428	PASS
					50	-3.39031	-0.00410	PASS
			MCH	VN	-30	-0.04292	-0.00005	PASS
					-20	14.47678	0.01731	PASS
					-10	1.17302	0.00140	PASS
					0	2.57492	0.00308	PASS
					10	7.53880	0.00901	PASS
					20	0.48637	0.00058	PASS
					30	0.98705	0.00118	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	5.59330	0.00669	PASS
					50	-0.71526	-0.00086	PASS
			HCH	VN	-30	-0.94414	-0.00112	PASS
					-20	-0.57220	-0.00068	PASS
					-10	0.68665	0.00081	PASS
					0	1.70231	0.00201	PASS
					10	1.54495	0.00183	PASS
					20	-0.12875	-0.00015	PASS
					30	1.85966	0.00220	PASS
					40	1.07288	0.00127	PASS
					50	-0.77248	-0.00091	PASS
		0	LCH	VN	-30	0.91553	0.00110	PASS
					-20	-0.81539	-0.00098	PASS
					-10	0.91553	0.00110	PASS
					0	1.20163	0.00145	PASS
					10	2.14577	0.00259	PASS
					20	2.10285	0.00254	PASS
					30	-0.54359	-0.00066	PASS
					40	0.51498	0.00062	PASS
			MCH	VN	50	0.45776	0.00055	PASS
					-30	-0.91553	-0.00109	PASS
					-20	-33.51688	-0.04007	PASS
					-10	-2.33173	-0.00279	PASS
					0	0.52929	0.00063	PASS
					10	-1.13010	-0.00135	PASS
					20	-0.38624	-0.00046	PASS
					30	-0.08583	-0.00010	PASS
			HCH	VN	40	-2.67506	-0.00320	PASS
					50	-0.18597	-0.00022	PASS
					-30	-2.28882	-0.00271	PASS
					-20	-1.25885	-0.00149	PASS
					-10	-2.86102	-0.00339	PASS
					0	-0.44346	-0.00053	PASS
					10	0.74387	0.00088	PASS
					20	-0.11444	-0.00014	PASS
					30	-5.23567	-0.00620	PASS
					40	-3.04699	-0.00361	PASS
					50	-2.80380	-0.00332	PASS



END