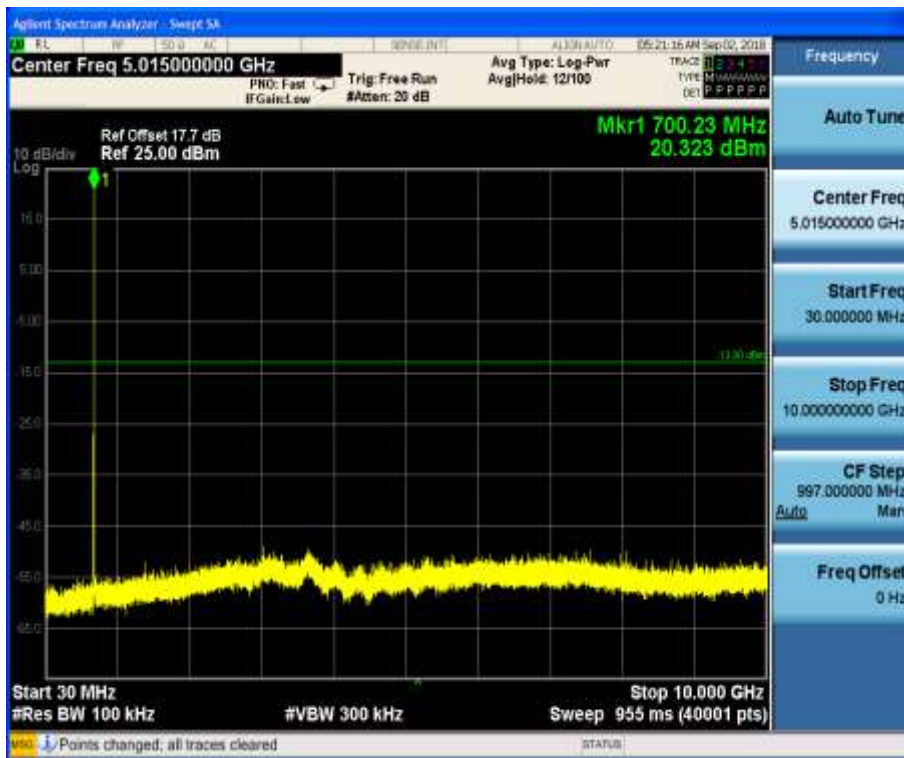
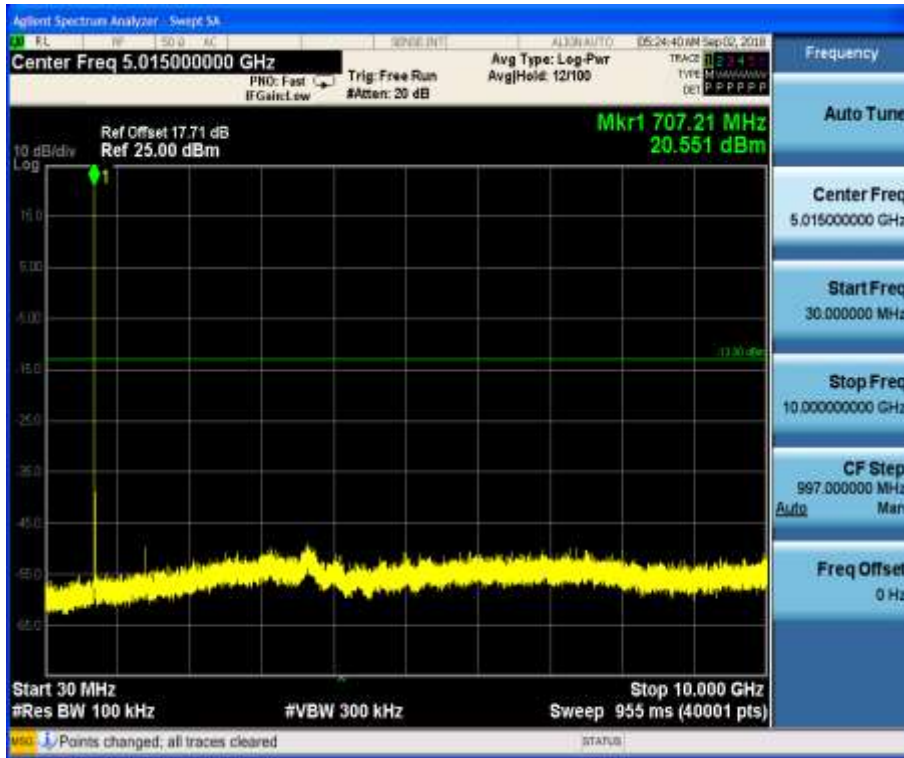




6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

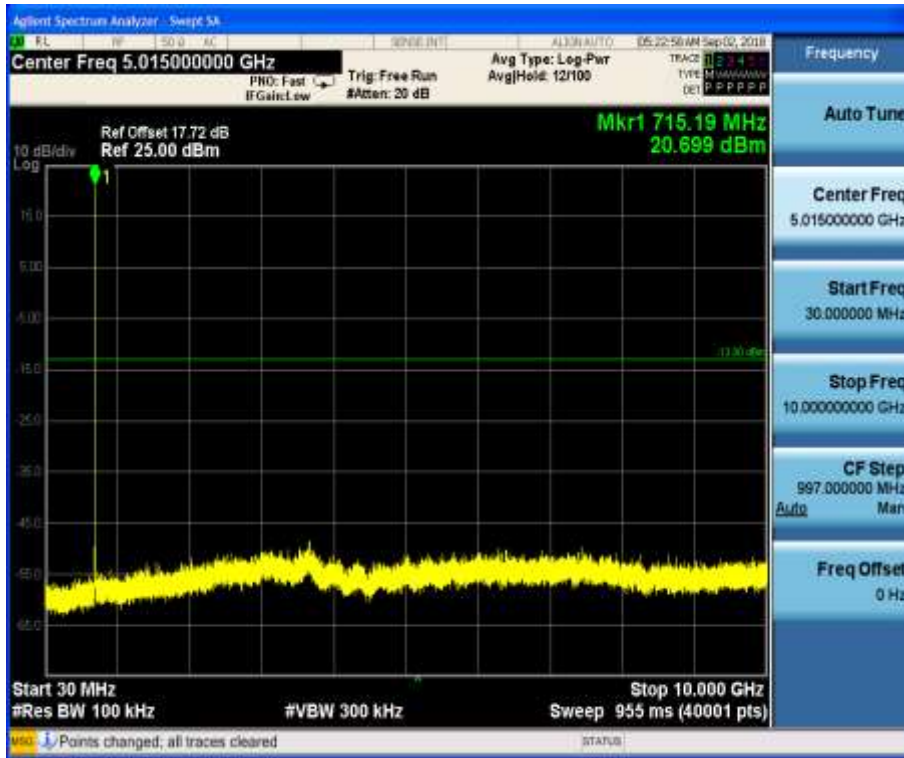




6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





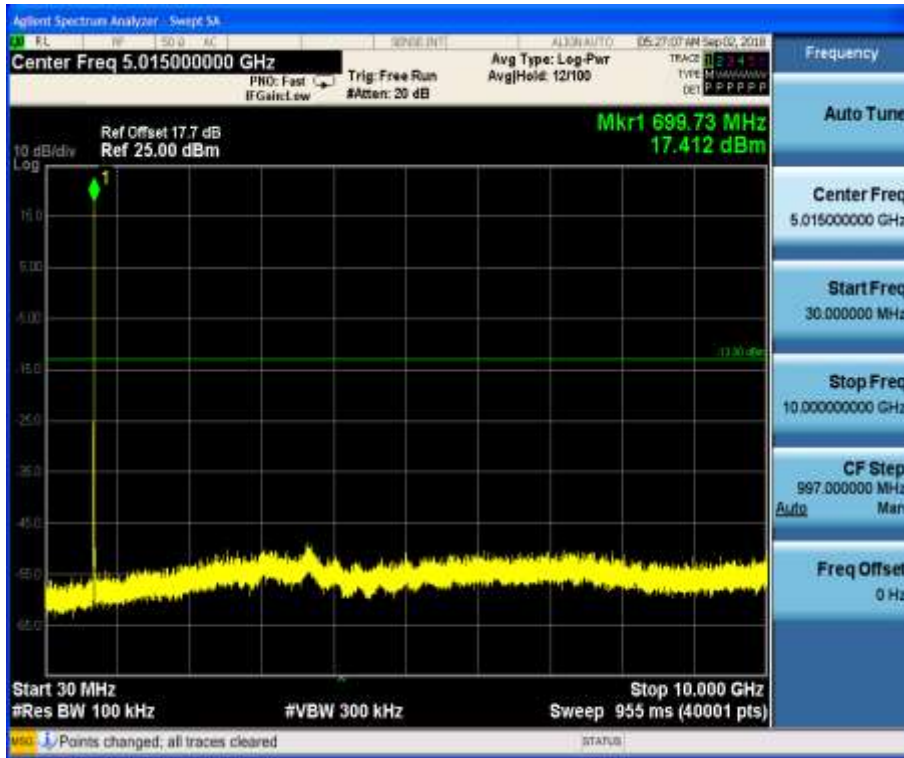


6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

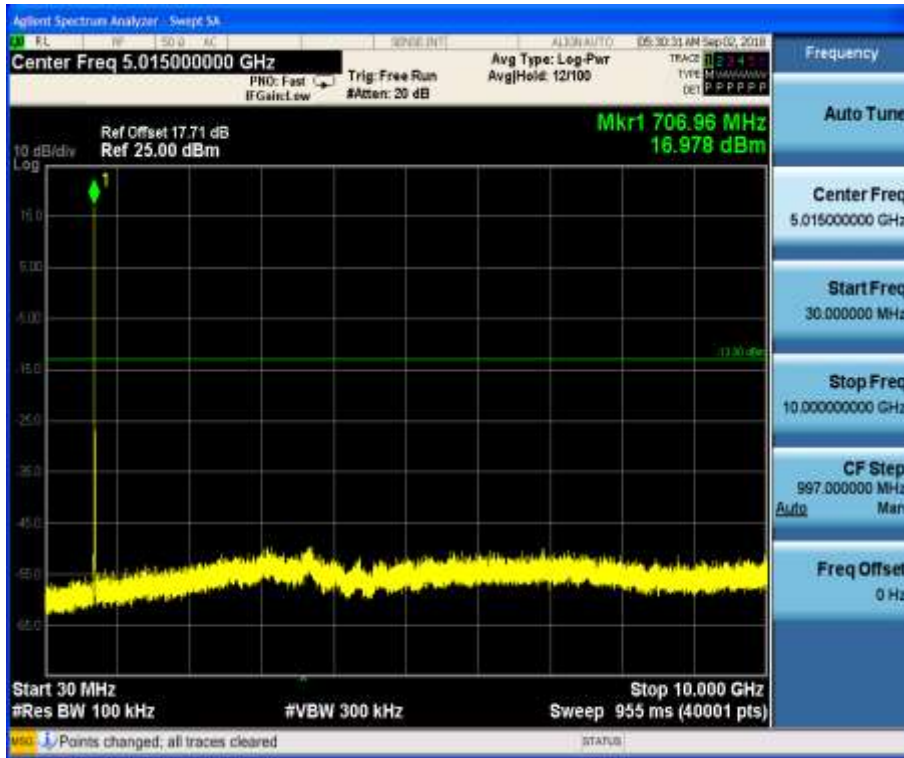




6.2.1.2.2.2 Test Channel = MCH

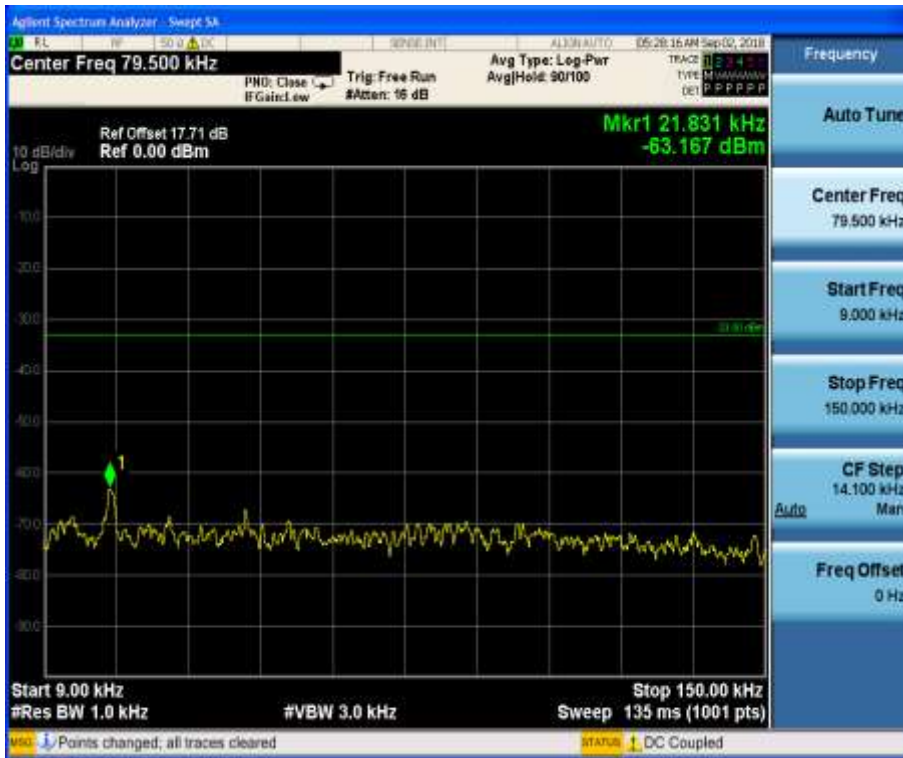
6.2.1.2.2.2.1 Test RB = RB1#0

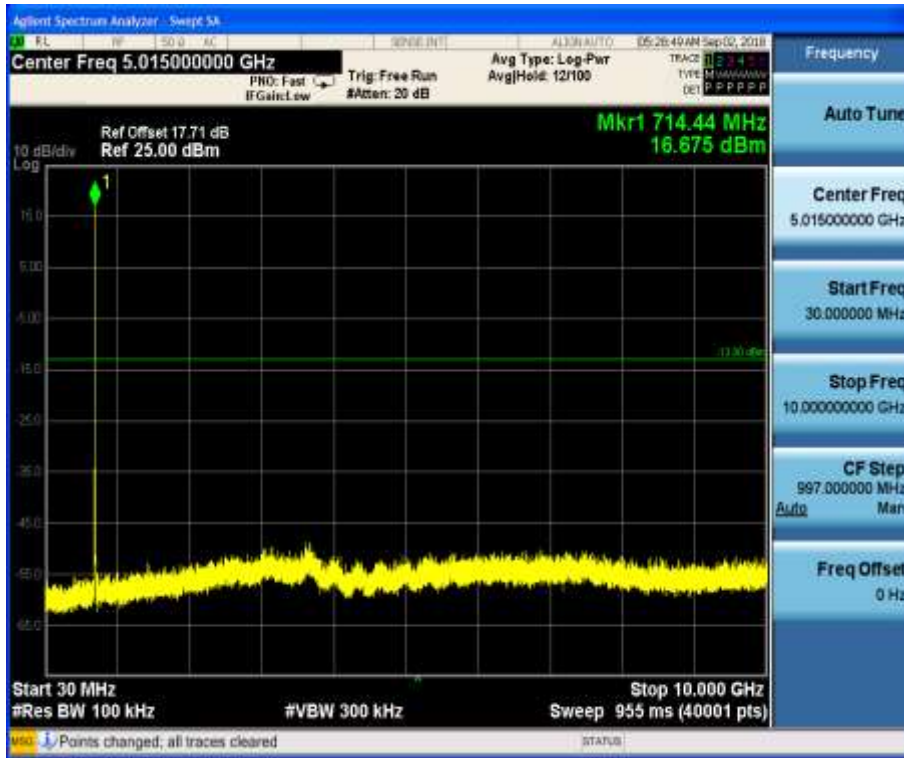




6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



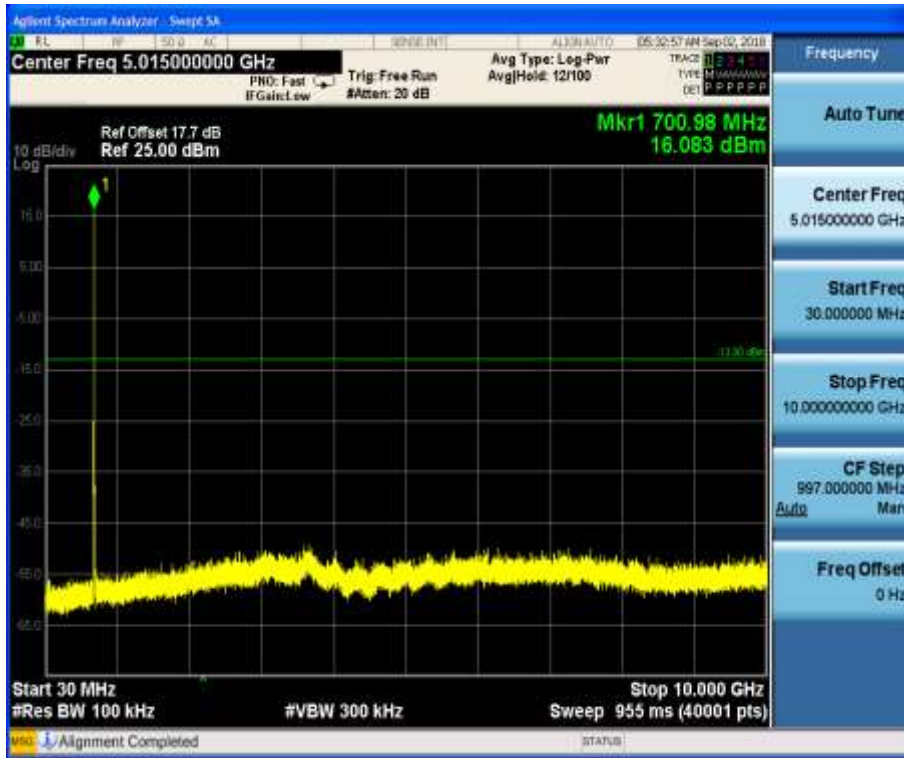


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

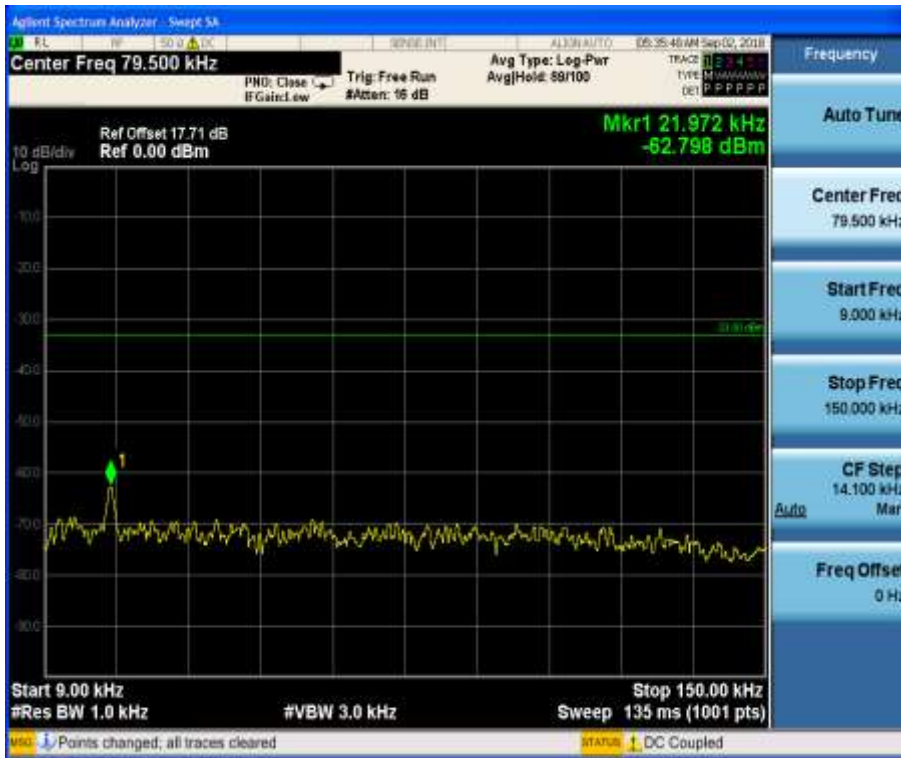
6.2.1.2.3.1.1 Test RB = RB1#0

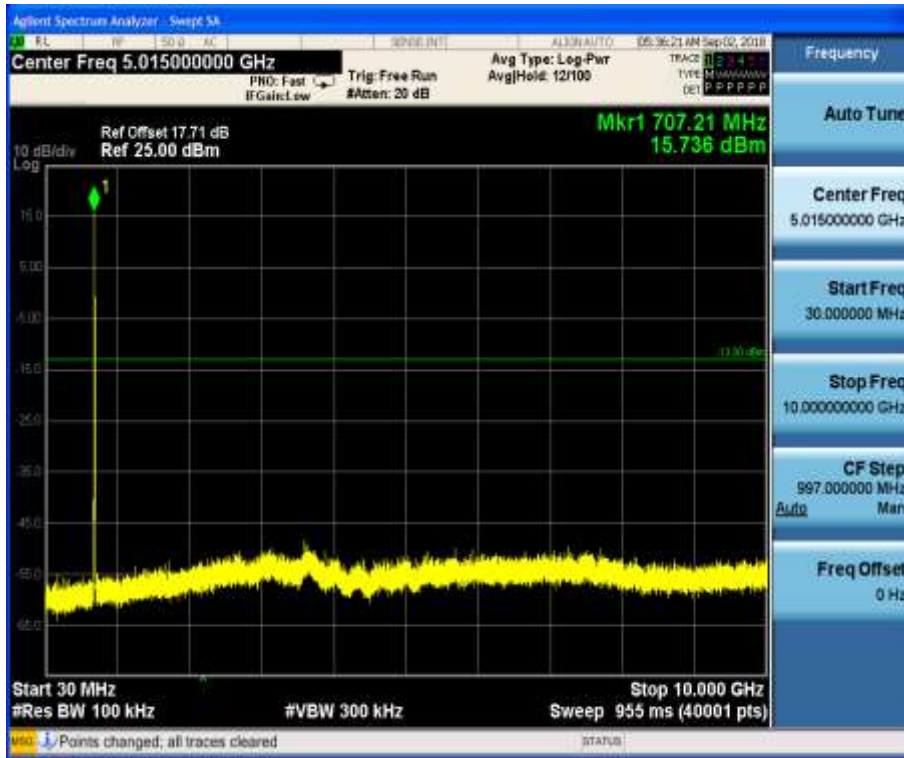




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0

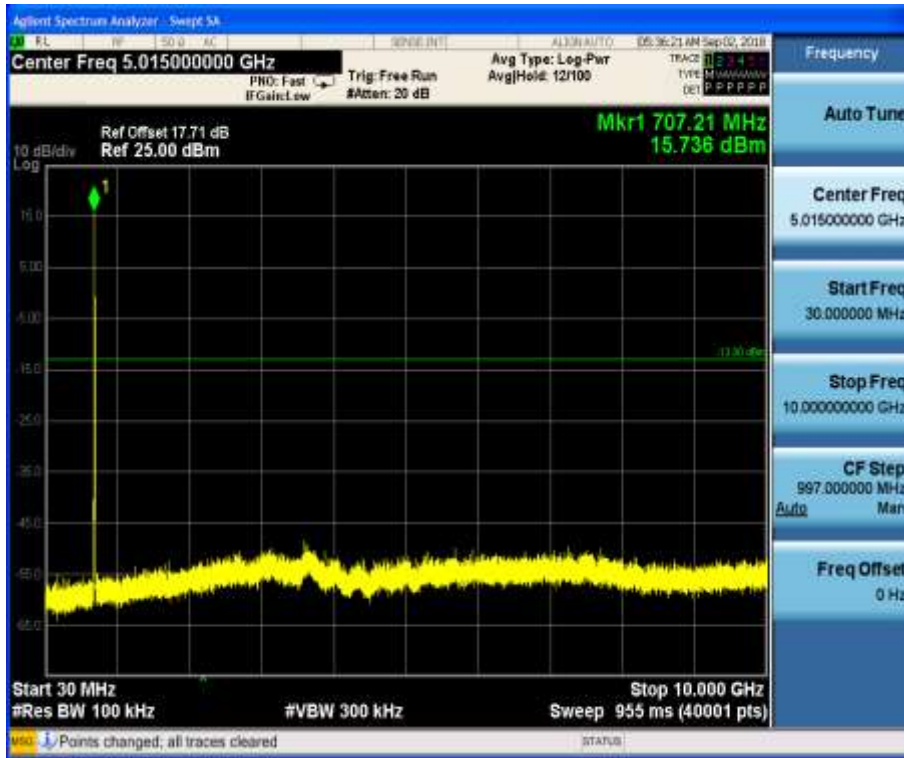




6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





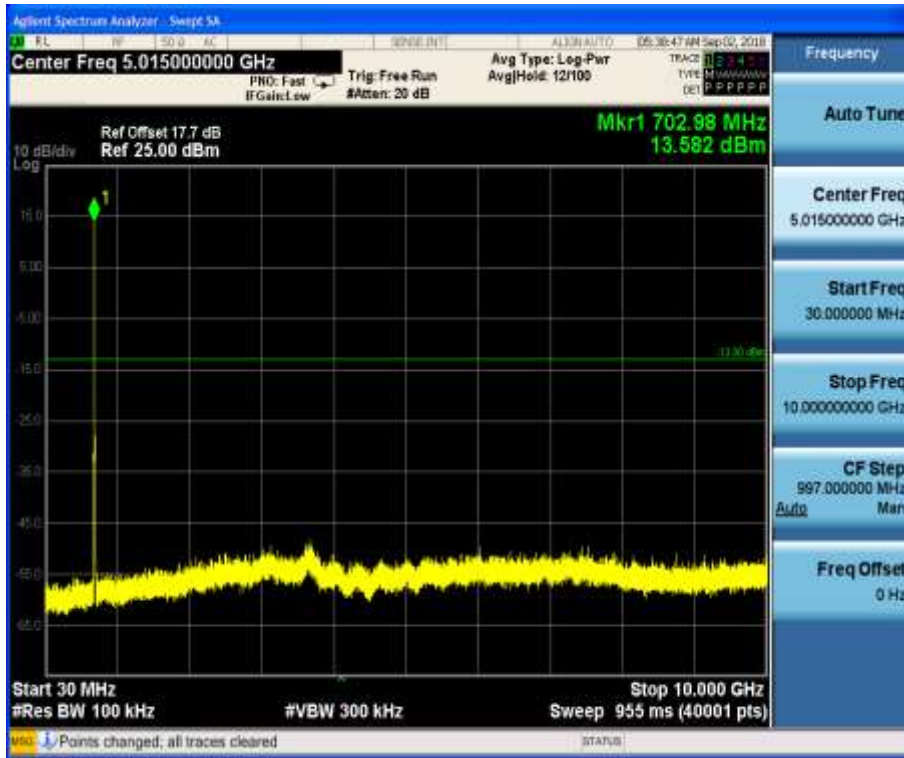


6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

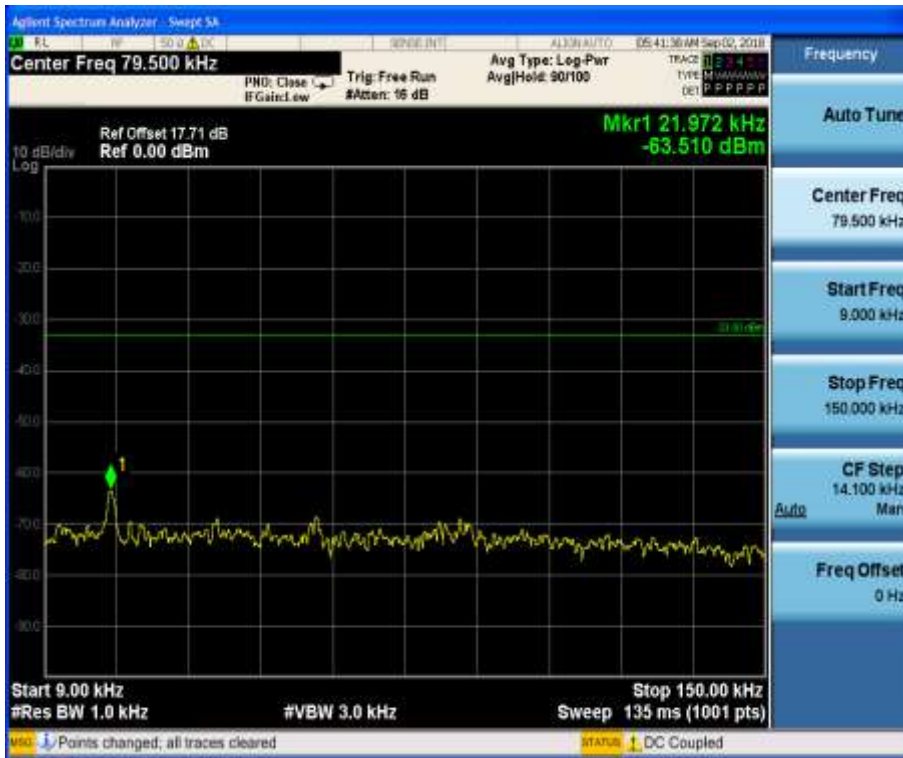


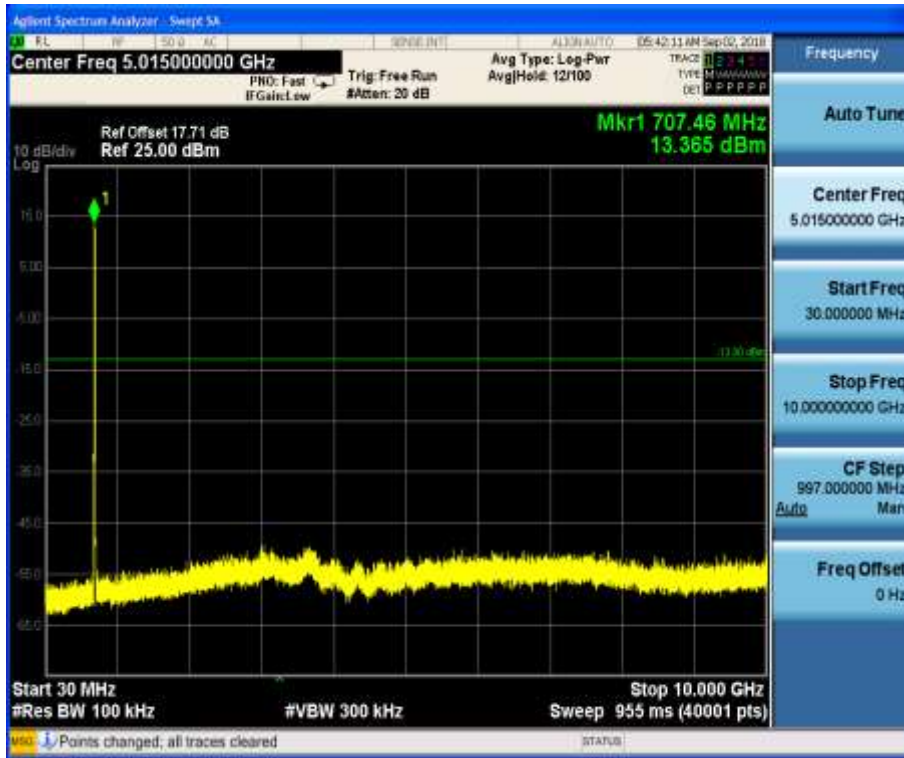




6.2.1.2.4.2 Test Channel = MCH

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

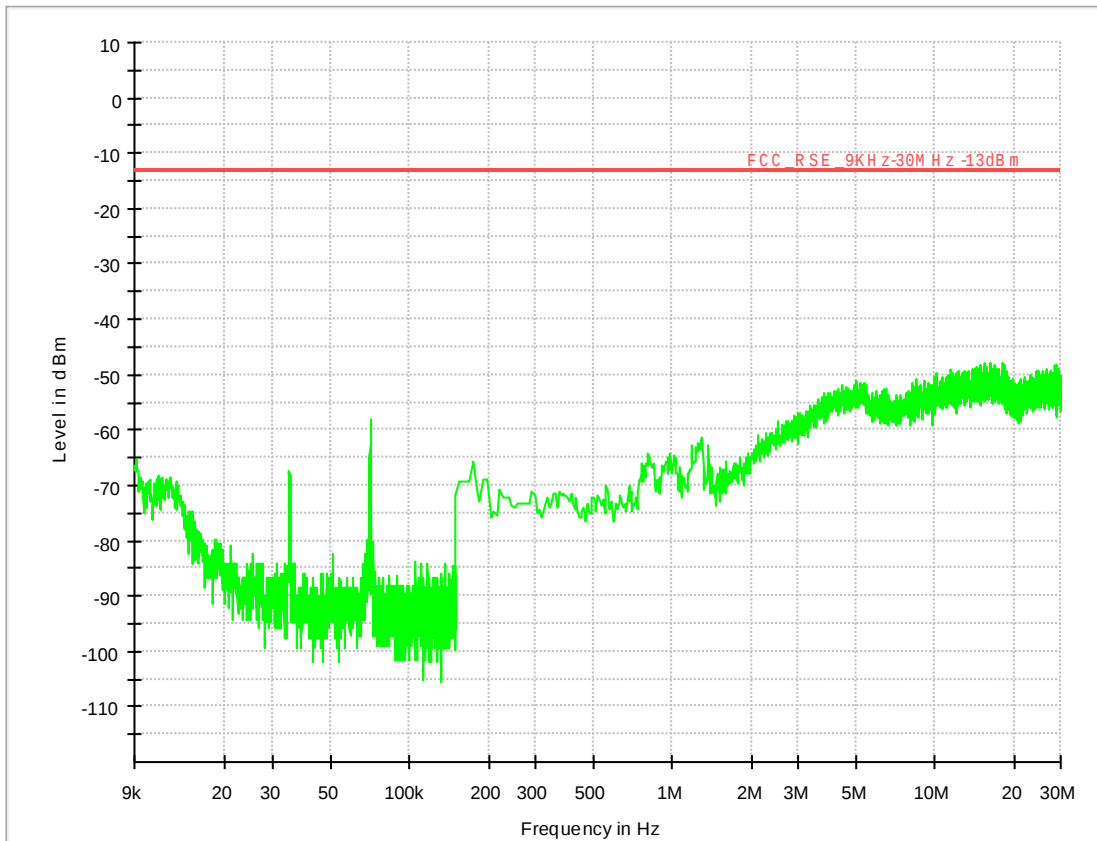
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

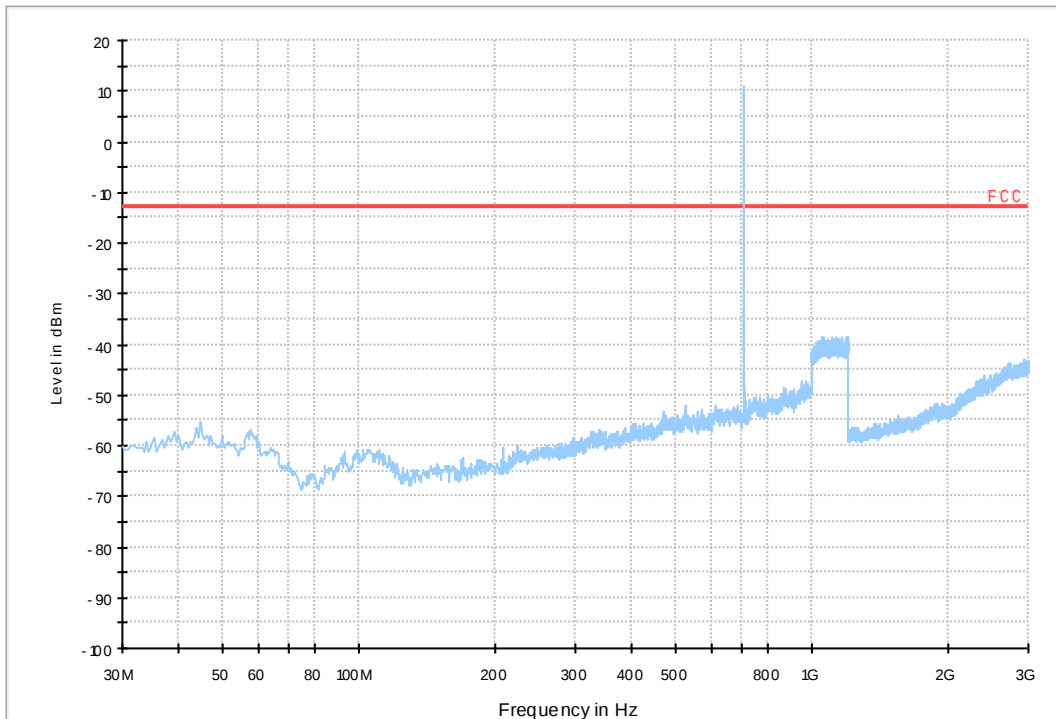
7.1 For LTE

7.1.1 Test Band = BAND12_ANT1

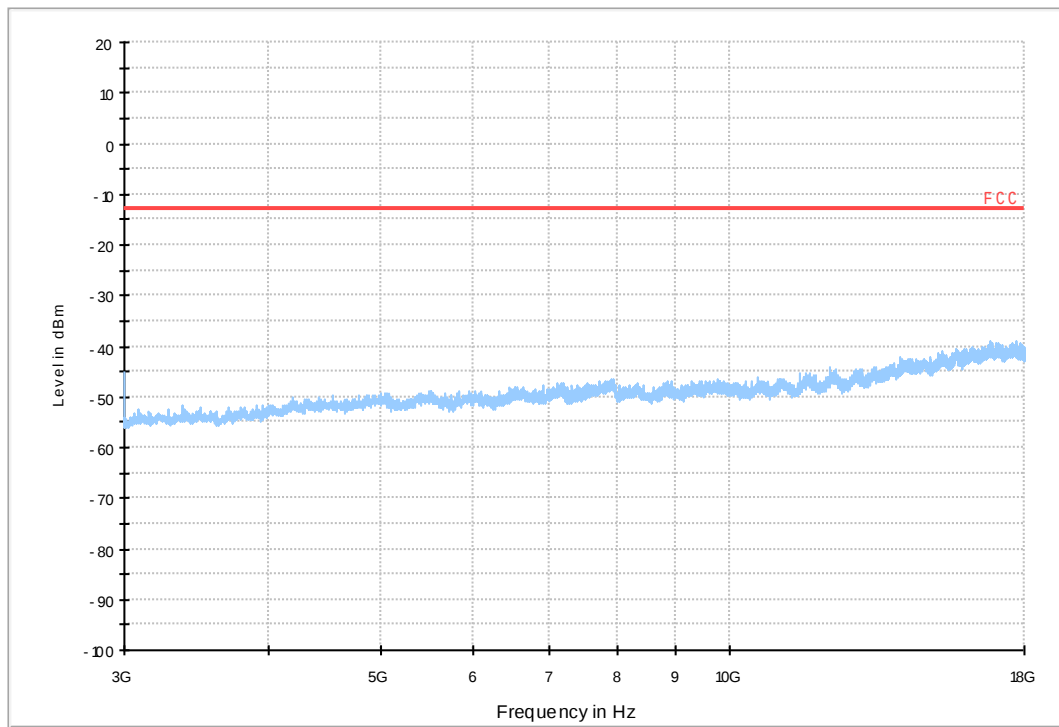
7.1.1.1 Test Bandwidth = 1.4



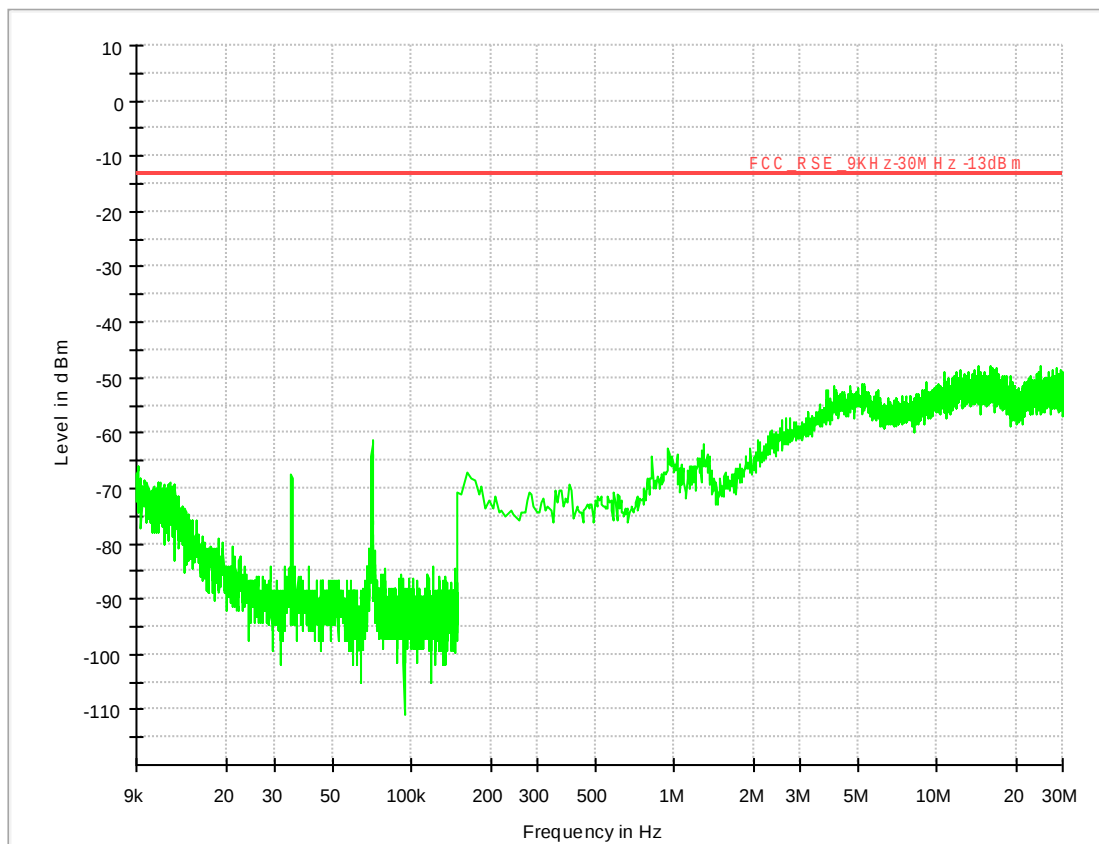
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

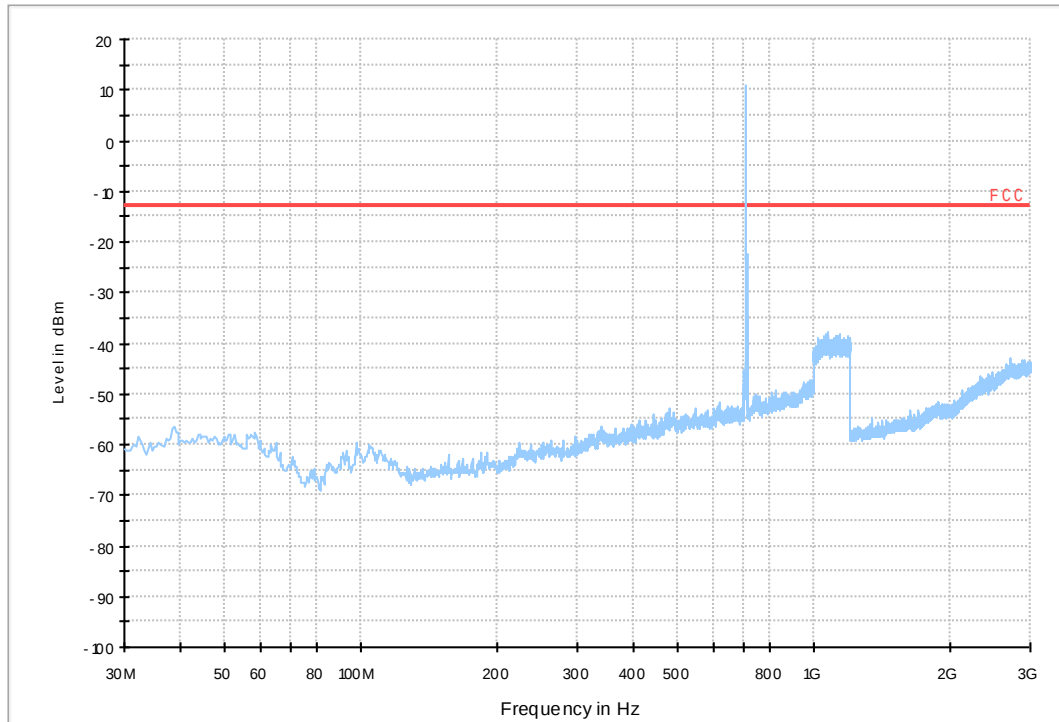


7.1.1.2 Test Bandwidth = 5

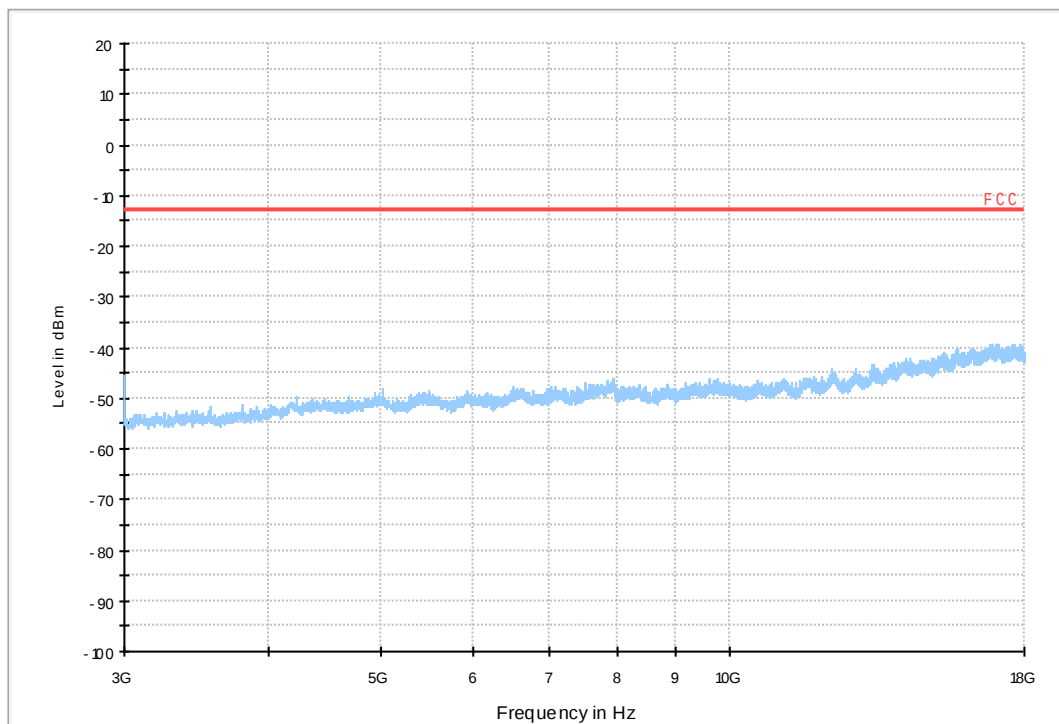




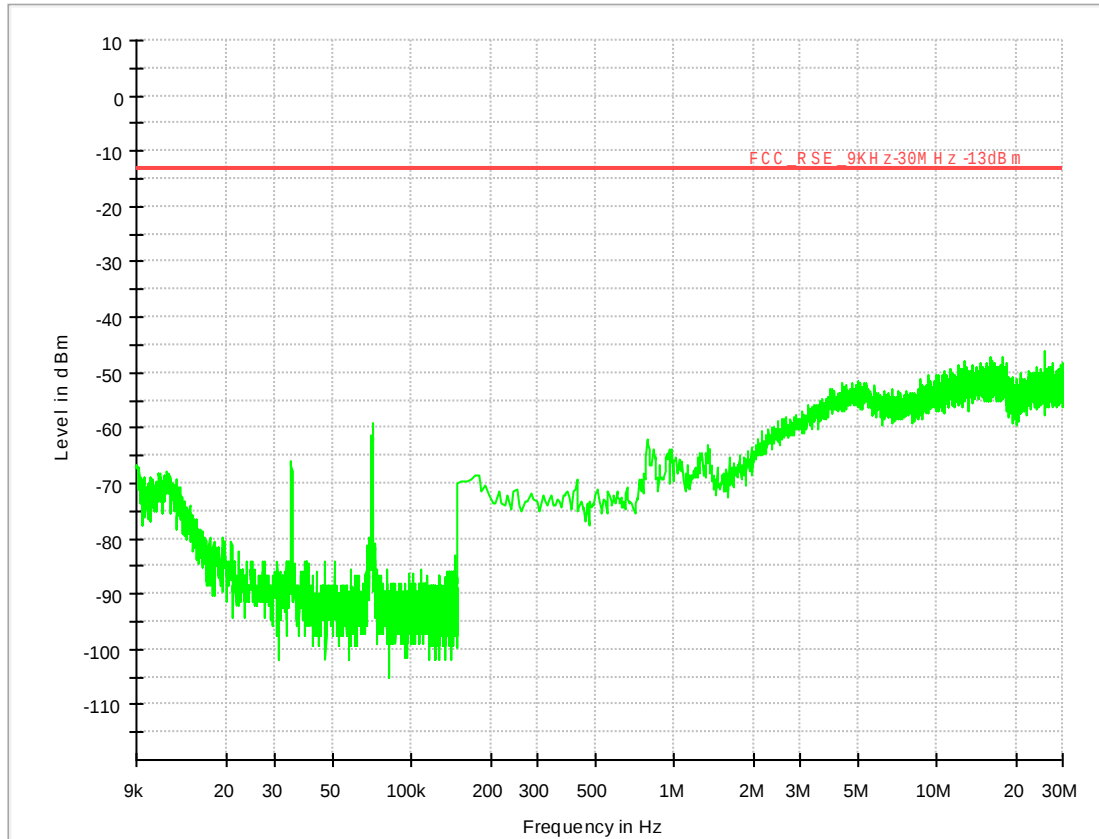
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

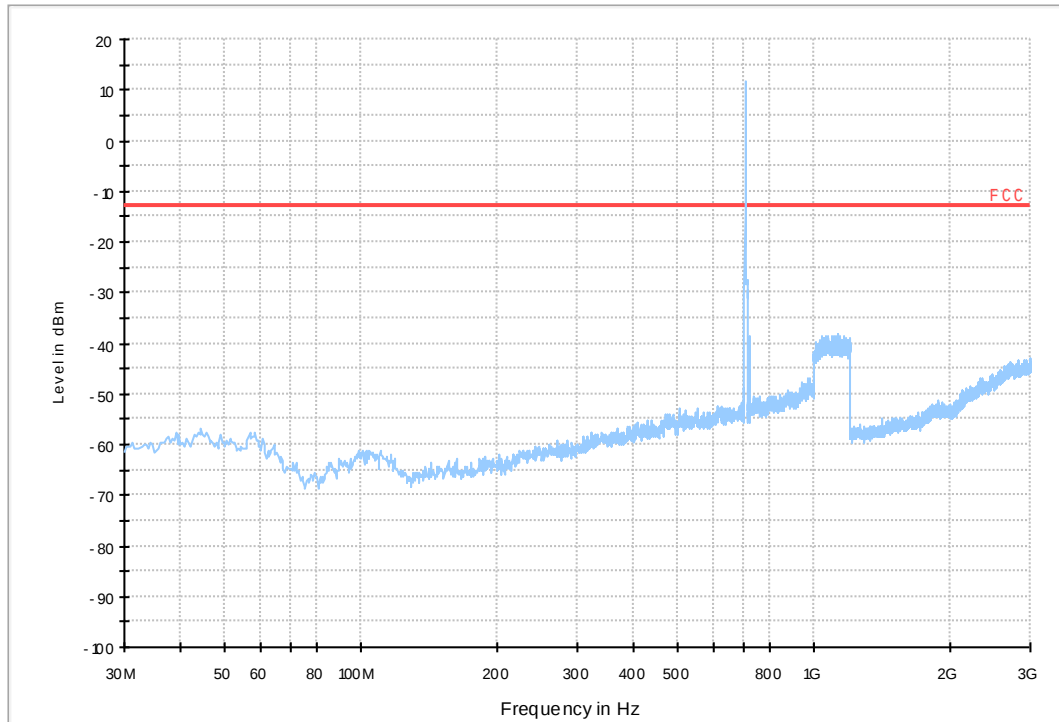


7.1.1.3 Test Bandwidth = 10

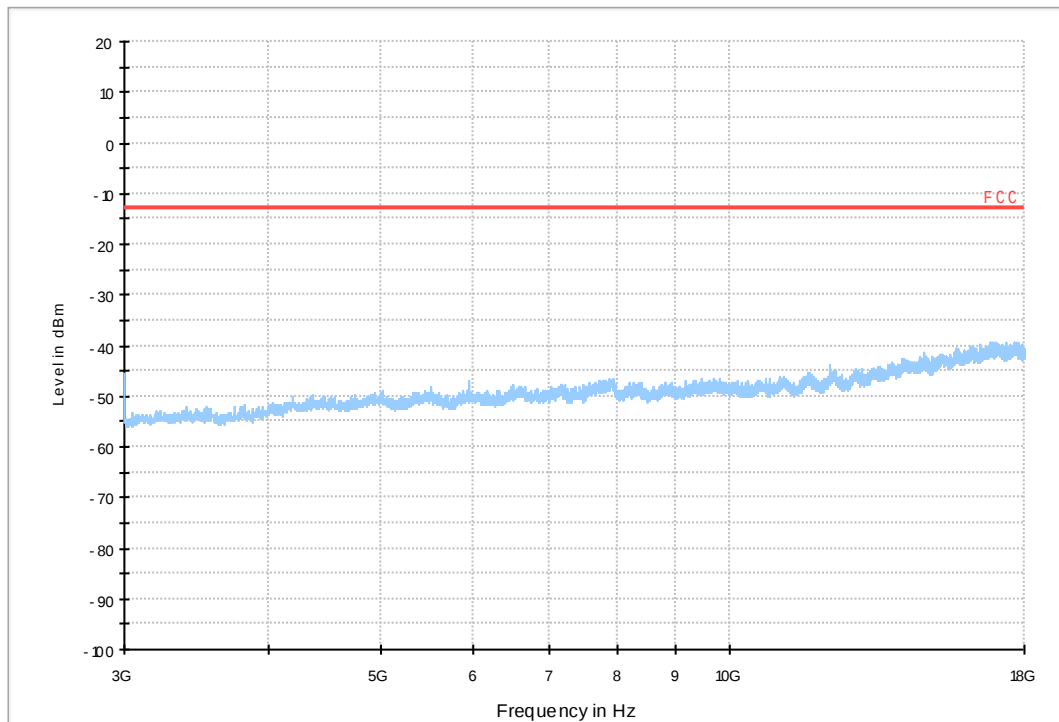




LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

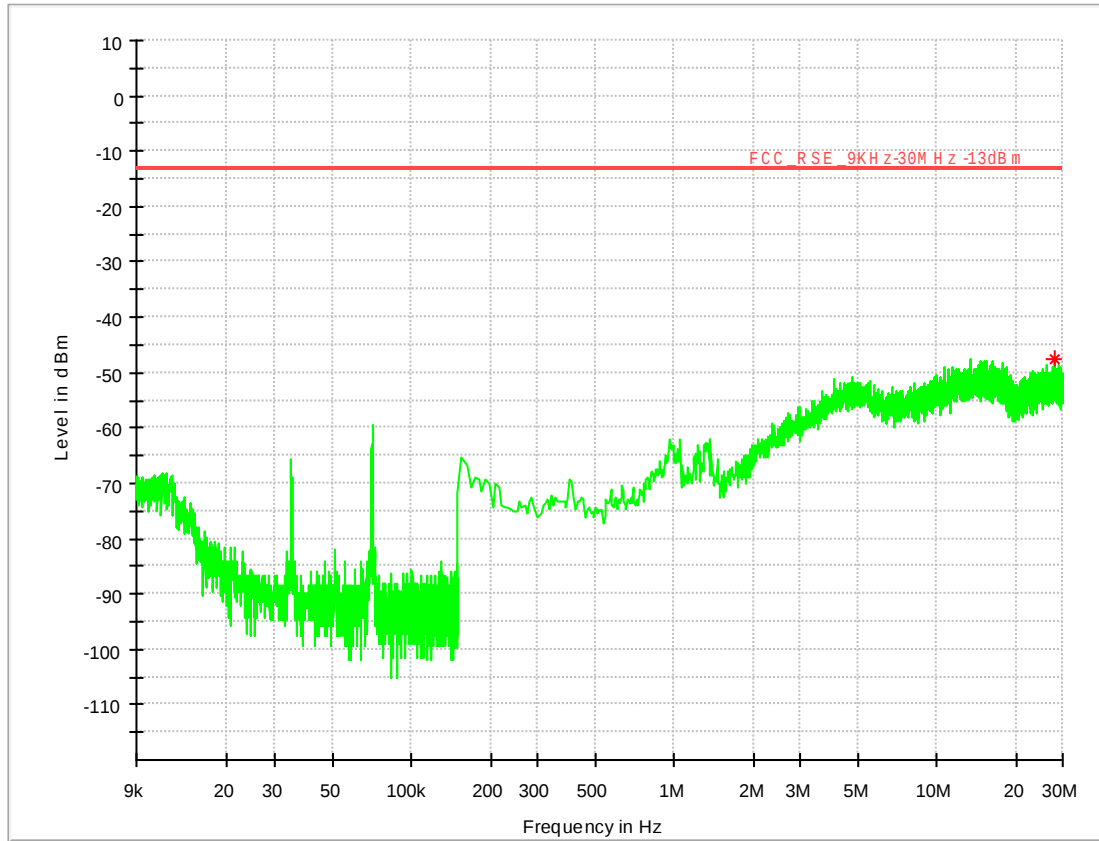


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



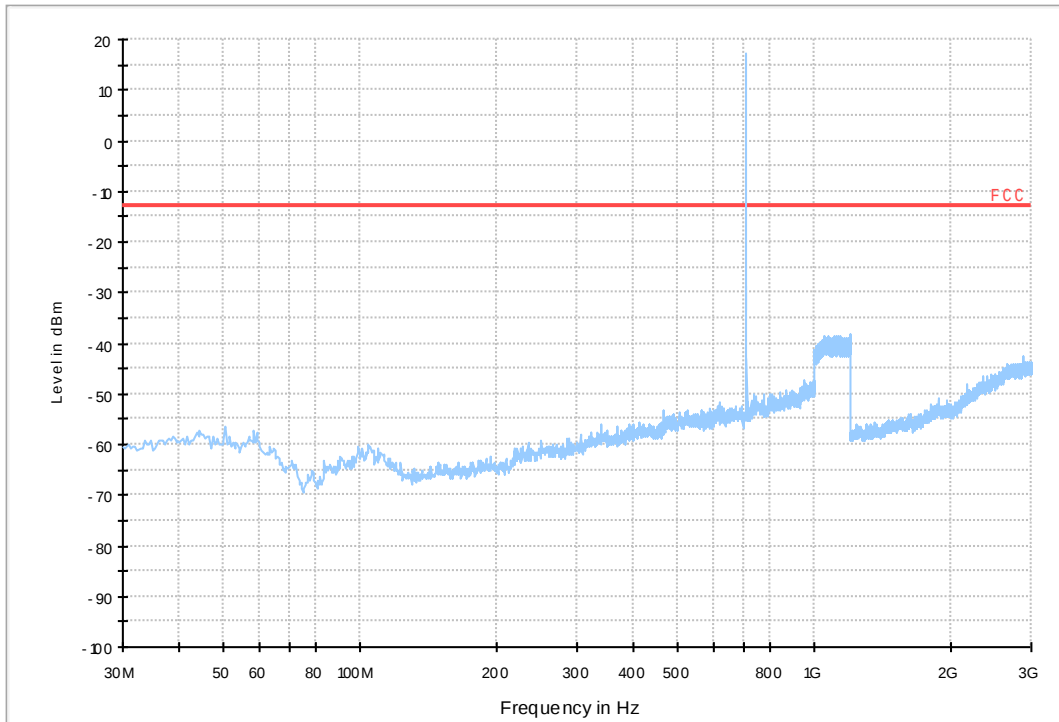
7.1.2 Test Band = BAND12_ANT2

7.1.2.1 Test Bandwidth = 1.4

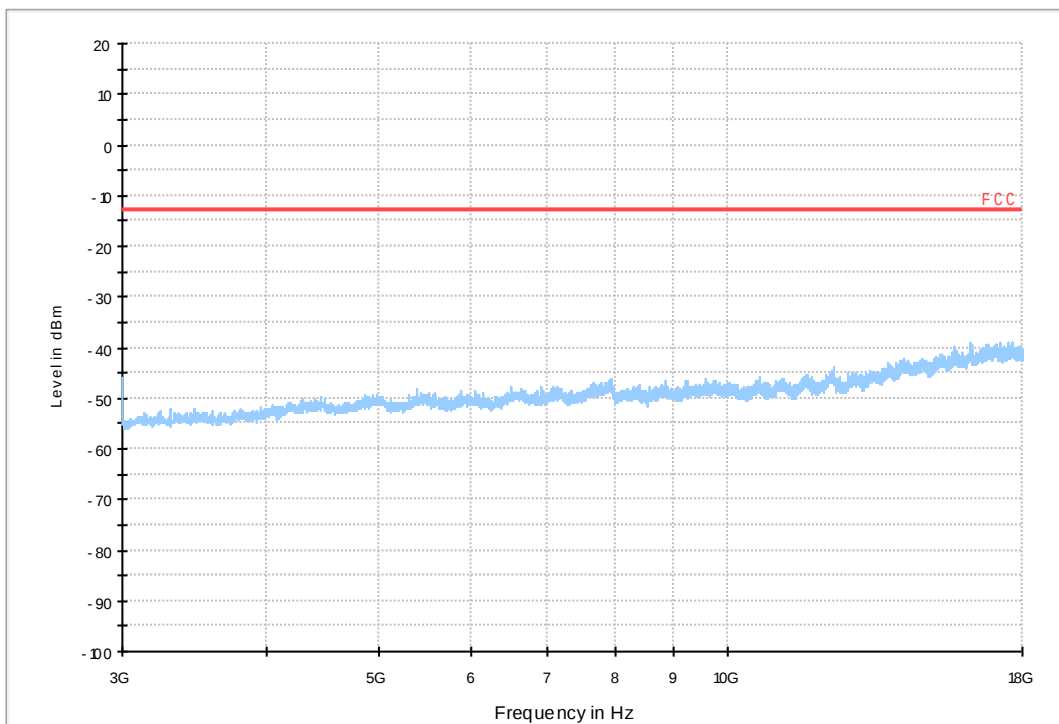




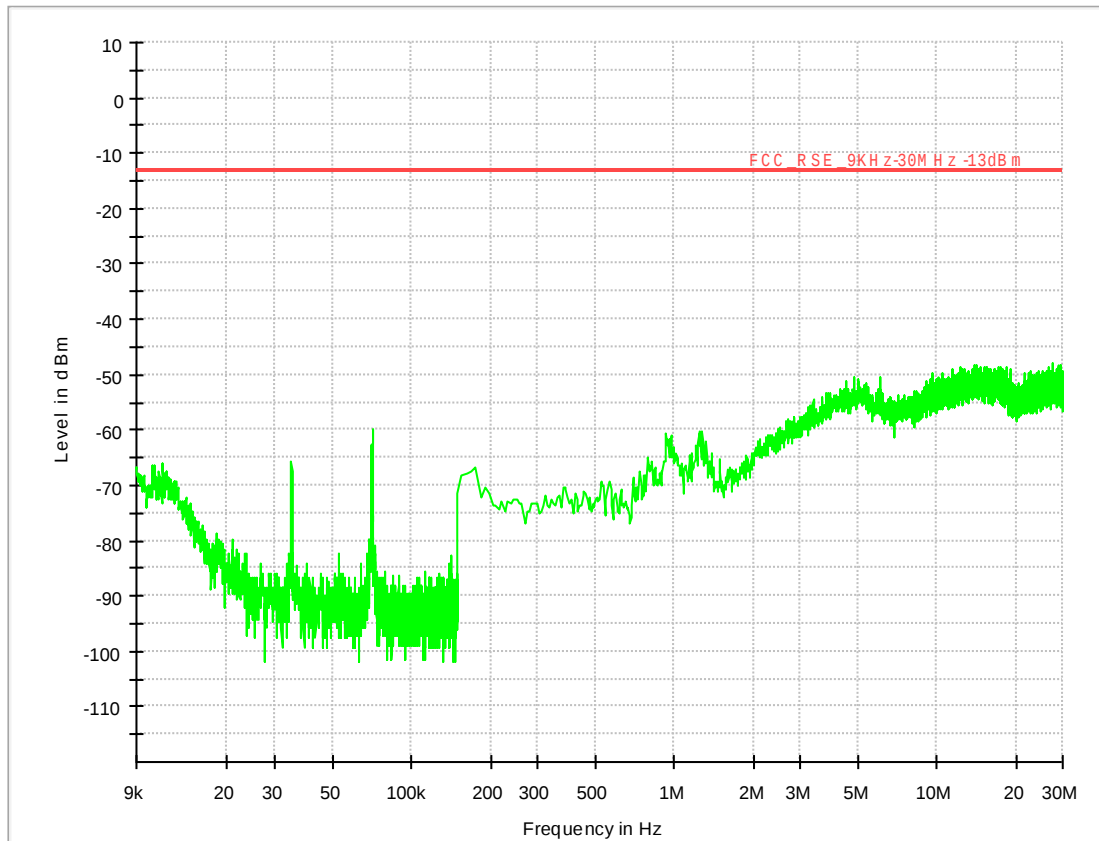
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

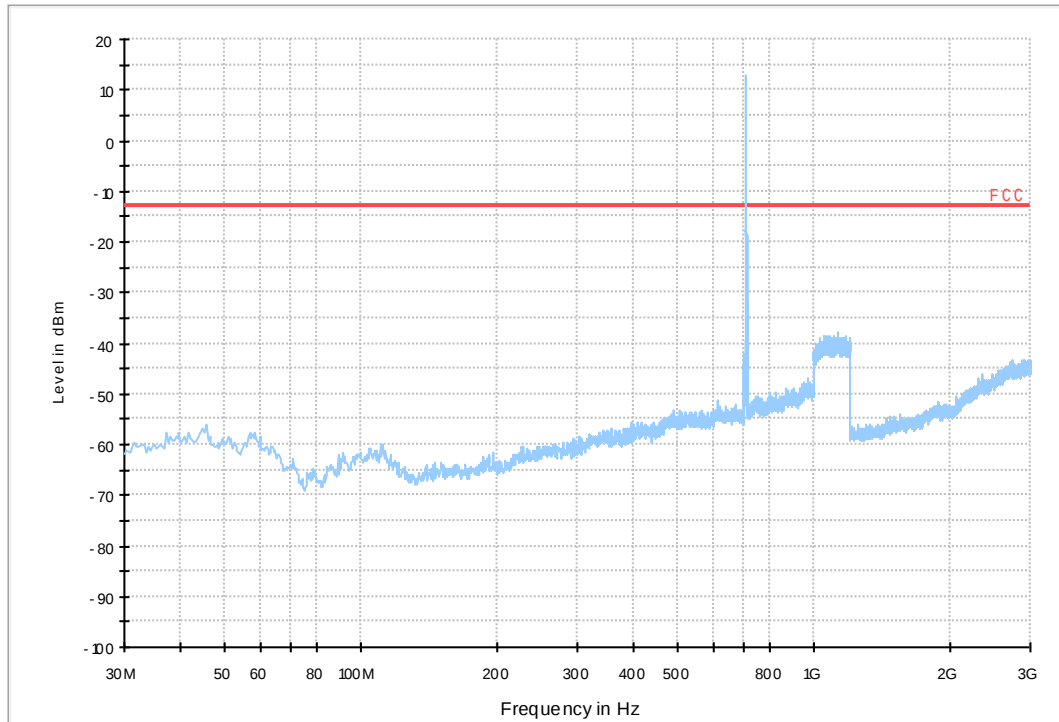


7.1.2.2 Test Bandwidth = 5

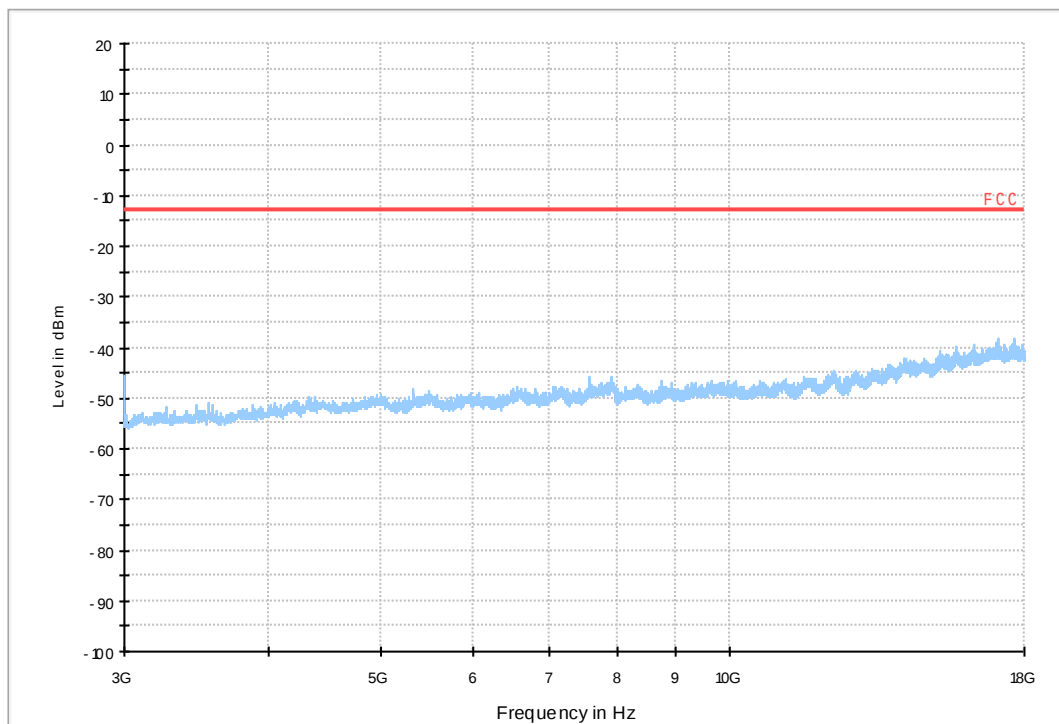




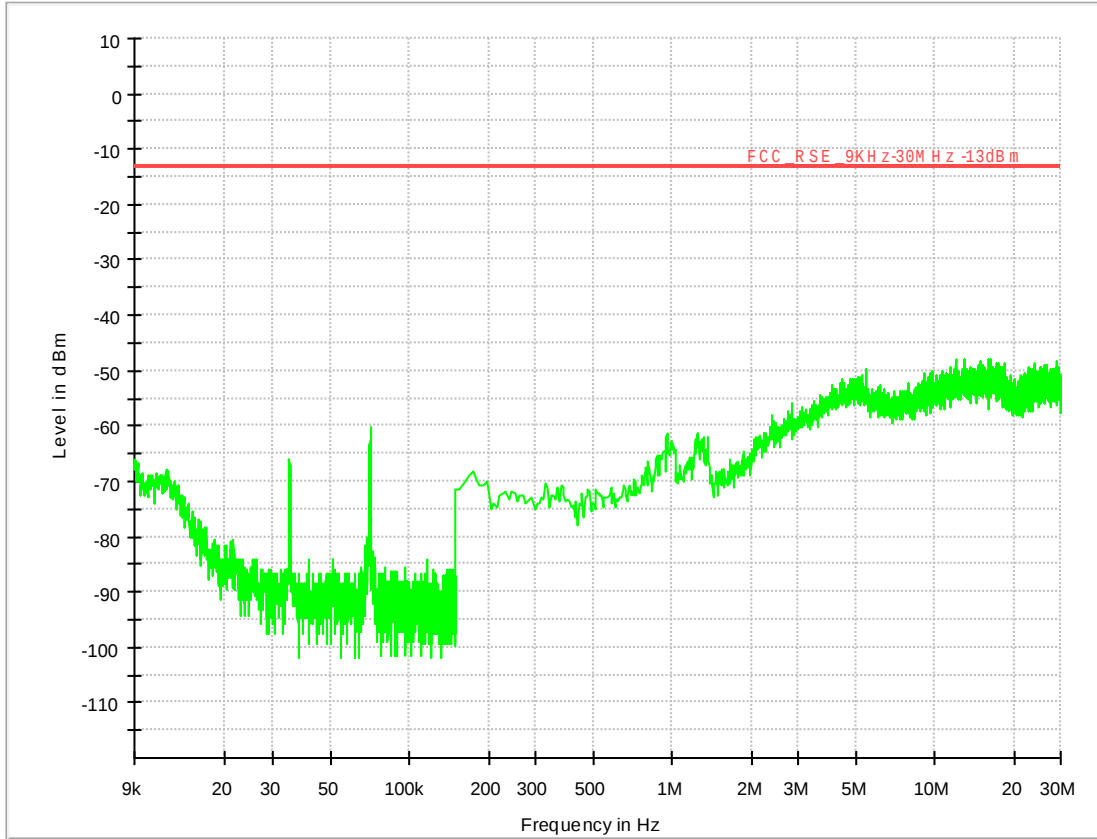
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

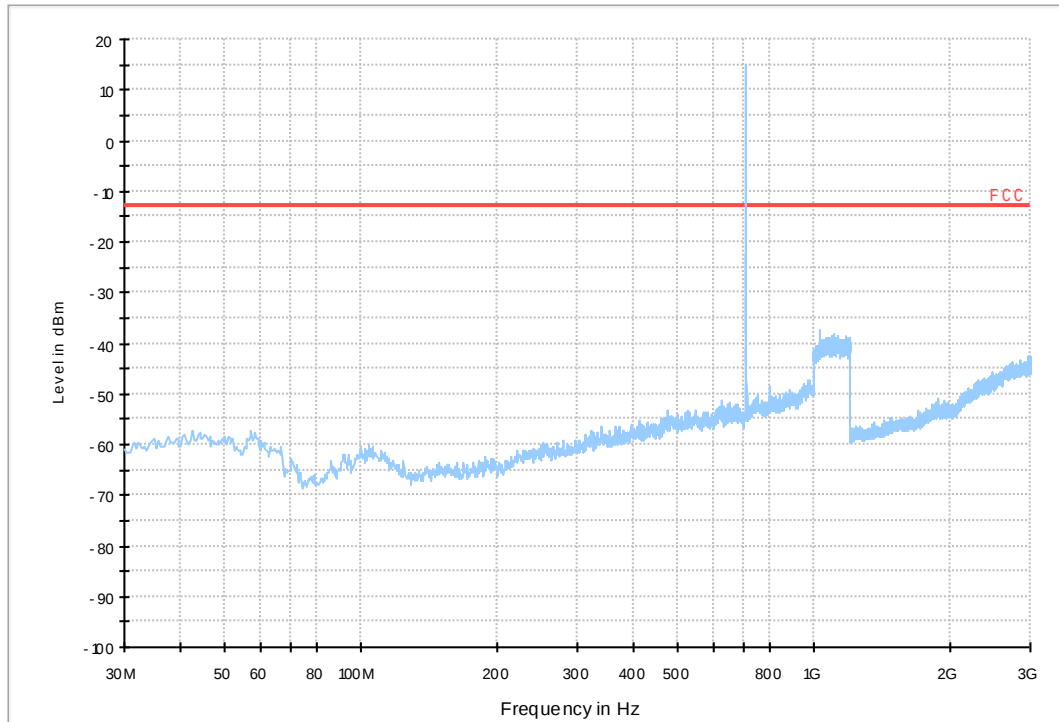


7.1.2.3 Test Bandwidth = 10

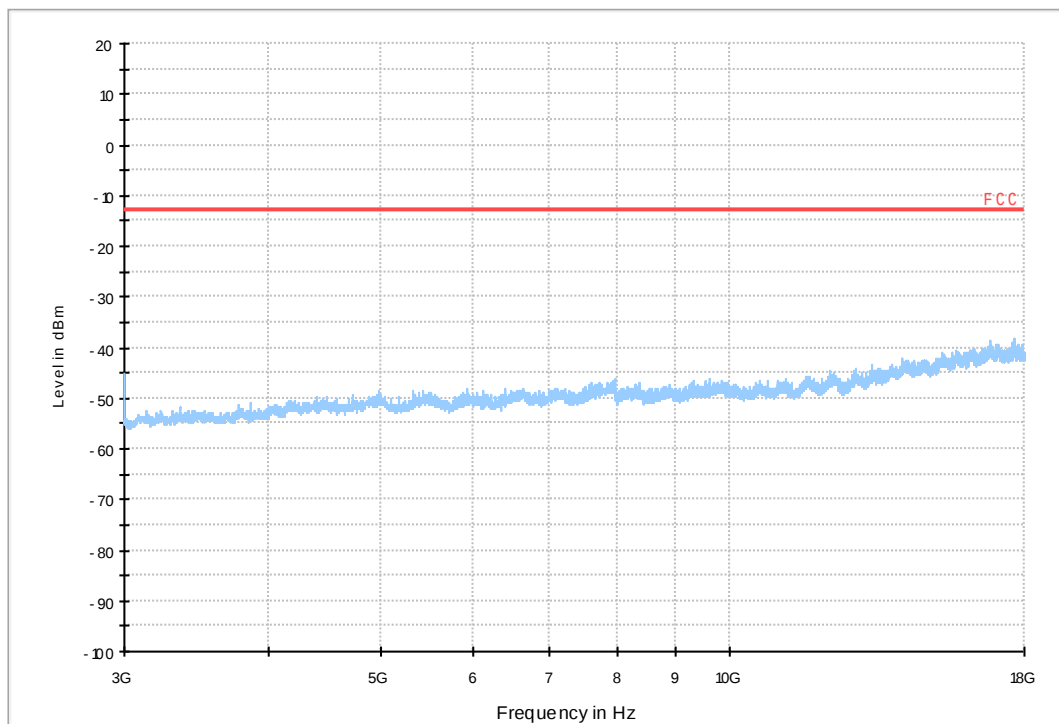




LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



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
BAND1 2	LTE/TM1	1.4	LCH	TN	VL	-9.42707	-0.01347	PASS
					VN	3.46184	0.00495	PASS
					VH	-16.36505	-0.02339	PASS
			MCH	TN	VL	4.83513	0.00683	PASS
					VN	3.07560	0.00435	PASS
					VH	-2.88963	-0.00408	PASS
			HCH	TN	VL	6.70910	0.00938	PASS
					VN	8.12531	0.01136	PASS
					VH	9.42707	0.01318	PASS
		3	LCH	TN	VL	-3.76225	-0.00537	PASS
					VN	2.01702	0.00288	PASS
					VH	2.44618	0.00349	PASS
			MCH	TN	VL	-1.07288	-0.00152	PASS
					VN	-3.20435	-0.00453	PASS
					VH	1.88827	0.00267	PASS
			HCH	TN	VL	1.85966	0.00260	PASS
					VN	-2.50339	-0.00350	PASS
					VH	4.43459	0.00621	PASS
		5	LCH	TN	VL	0.20027	0.00029	PASS
					VN	0.64373	0.00092	PASS
					VH	-1.73092	-0.00247	PASS
			MCH	TN	VL	-1.04427	-0.00148	PASS
					VN	4.94957	0.00700	PASS
					VH	-4.93527	-0.00698	PASS
			HCH	TN	VL	3.27587	0.00459	PASS
					VN	2.77519	0.00389	PASS
					VH	2.37465	0.00333	PASS
		10	LCH	TN	VL	-2.36034	-0.00335	PASS
					VN	1.60217	0.00228	PASS
					VH	2.34604	0.00333	PASS
			MCH	TN	VL	-1.90258	-0.00269	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	2.81811	0.00398	PASS
					VH	-0.05722	-0.00008	PASS
			HCH	TN	VL	2.14577	0.00302	PASS
					VN	-0.01431	-0.00002	PASS
					VH	0.32902	0.00046	PASS
		1.4	LCH	TN	VL	-4.49181	-0.00642	PASS
					VN	-14.70566	-0.02102	PASS
					VH	-12.35962	-0.01766	PASS
			MCH	TN	VL	10.38551	0.01468	PASS
					VN	-7.42436	-0.01049	PASS
					VH	-1.47343	-0.00208	PASS
			HCH	TN	VL	-2.11716	-0.00296	PASS
					VN	5.59330	0.00782	PASS
					VH	2.21729	0.00310	PASS
		3	LCH	TN	VL	3.83377	0.00547	PASS
					VN	1.45912	0.00208	PASS
					VH	5.37872	0.00768	PASS
			MCH	TN	VL	3.91960	0.00554	PASS
					VN	2.21729	0.00313	PASS
					VH	7.65324	0.01082	PASS
			HCH	TN	VL	0.85831	0.00120	PASS
					VN	-1.53065	-0.00214	PASS
					VH	1.77383	0.00248	PASS
		5	LCH	TN	VL	1.38760	0.00198	PASS
					VN	-3.74794	-0.00534	PASS
					VH	-7.76768	-0.01107	PASS
			MCH	TN	VL	-3.29018	-0.00465	PASS
					VN	1.18732	0.00168	PASS
					VH	7.05242	0.00997	PASS
			HCH	TN	VL	-2.51770	-0.00353	PASS
					VN	2.54631	0.00357	PASS
					VH	2.24590	0.00315	PASS
		10	LCH	TN	VL	1.41621	0.00201	PASS
					VN	-0.91553	-0.00130	PASS
					VH	-0.08583	-0.00012	PASS
			MCH	TN	VL	0.55790	0.00079	PASS
					VN	-2.26021	-0.00319	PASS
					VH	-1.70231	-0.00241	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	0.01431	0.00002	PASS
					VN	-0.58651	-0.00082	PASS
					VH	-1.08719	-0.00153	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/TM 1	1.4	LCH	VN	-30	-0.95844	-0.00137	PASS
					-20	2.21729	0.00317	PASS
					-10	-1.02997	-0.00147	PASS
					0	4.94957	0.00707	PASS
					10	3.50475	0.00501	PASS
					20	3.46184	0.00495	PASS
					30	5.92232	0.00846	PASS
					40	-3.67641	-0.00525	PASS
					50	2.54631	0.00364	PASS
			MCH	VN	-30	-12.71725	-0.01797	PASS
					-20	2.31743	0.00328	PASS
					-10	0.25749	0.00036	PASS
					0	-2.94685	-0.00417	PASS
					10	6.43730	0.00910	PASS
					20	3.07560	0.00435	PASS
					30	-17.45224	-0.02467	PASS
					40	-0.28610	-0.00040	PASS
					50	4.96387	0.00702	PASS
			HCH	VN	-30	3.91960	0.00548	PASS
					-20	-11.18660	-0.01564	PASS
					-10	-2.68936	-0.00376	PASS
					0	-5.52177	-0.00772	PASS
					10	8.25405	0.01154	PASS
					20	8.12531	0.01136	PASS
					30	-1.05858	-0.00148	PASS
					40	-5.93662	-0.00830	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		3	LCH	VN	50	1.84536	0.00258	PASS
					-30	-5.32150	-0.00760	PASS
					-20	-1.23024	-0.00176	PASS
					-10	-3.13282	-0.00447	PASS
					0	-2.27451	-0.00325	PASS
					10	-1.33038	-0.00190	PASS
					20	2.01702	0.00288	PASS
					30	-0.55790	-0.00080	PASS
					40	1.15871	0.00165	PASS
					50	4.73499	0.00676	PASS
			MCH	VN	-30	-0.25749	-0.00036	PASS
					-20	1.02997	0.00146	PASS
					-10	-0.68665	-0.00097	PASS
					0	-1.81675	-0.00257	PASS
					10	-9.26971	-0.01310	PASS
					20	-3.20435	-0.00453	PASS
					30	-4.82082	-0.00681	PASS
					40	5.96523	0.00843	PASS
					50	-7.48158	-0.01057	PASS
			HCH	VN	-30	1.10149	0.00154	PASS
					-20	7.52449	0.01053	PASS
					-10	-0.15736	-0.00022	PASS
					0	0.30041	0.00042	PASS
					10	-2.50339	-0.00350	PASS
					20	-2.50339	-0.00350	PASS
					30	0.91553	0.00128	PASS
					40	7.72476	0.01081	PASS
					50	-5.43594	-0.00761	PASS
		5	LCH	VN	-30	-2.84672	-0.00406	PASS
					-20	4.73499	0.00675	PASS
					-10	4.30584	0.00614	PASS
					0	-7.76768	-0.01107	PASS
					10	-0.31471	-0.00045	PASS
					20	0.64373	0.00092	PASS
					30	-3.07560	-0.00438	PASS
					40	-7.35283	-0.01048	PASS
					50	-1.54495	-0.00220	PASS
			MCH	VN	-30	2.30312	0.00326	PASS
					-20	-1.18732	-0.00168	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.90122	-0.00127	PASS
					0	1.47343	0.00208	PASS
					10	-1.54495	-0.00218	PASS
					20	4.94957	0.00700	PASS
					30	1.67370	0.00237	PASS
					40	0.45776	0.00065	PASS
					50	-1.60217	-0.00226	PASS
			HCH	VN	-30	3.29018	0.00461	PASS
					-20	-0.50068	-0.00070	PASS
					-10	5.26428	0.00738	PASS
					0	0.52929	0.00074	PASS
					10	-2.51770	-0.00353	PASS
					20	2.77519	0.00389	PASS
					30	-1.78814	-0.00251	PASS
					40	5.65052	0.00792	PASS
					50	-0.14305	-0.00020	PASS
		10	LCH	VN	-30	3.30448	0.00469	PASS
					-20	0.70095	0.00100	PASS
					-10	1.40190	0.00199	PASS
					0	-0.70095	-0.00100	PASS
					10	-0.15736	-0.00022	PASS
					20	1.60217	0.00228	PASS
					30	2.10285	0.00299	PASS
					40	3.91960	0.00557	PASS
					50	3.97682	0.00565	PASS
			MCH	VN	-30	0.14305	0.00020	PASS
					-20	2.13146	0.00301	PASS
					-10	0.75817	0.00107	PASS
					0	0.47207	0.00067	PASS
					10	1.08719	0.00154	PASS
					20	2.81811	0.00398	PASS
					30	1.53065	0.00216	PASS
					40	-0.67234	-0.00095	PASS
					50	-0.51498	-0.00073	PASS
			HCH	VN	-30	-0.77248	-0.00109	PASS
					-20	-0.17166	-0.00024	PASS
					-10	0.50068	0.00070	PASS
					0	3.14712	0.00443	PASS
					10	1.95980	0.00276	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM 2	1.4			20	-0.01431	-0.00002	PASS
					30	2.47478	0.00348	PASS
					40	0.38624	0.00054	PASS
					50	-0.75817	-0.00107	PASS
			LCH	VN	-30	6.68049	0.00955	PASS
					-20	-9.91344	-0.01417	PASS
					-10	6.27994	0.00898	PASS
					0	-17.1232 2	-0.02447	PASS
					10	-7.19547	-0.01028	PASS
					20	-14.7056 6	-0.02102	PASS
					30	-2.30312	-0.00329	PASS
					40	5.85079	0.00836	PASS
					50	0.34332	0.00049	PASS
			MCH	VN	-30	1.57356	0.00222	PASS
					-20	10.19955	0.01442	PASS
					-10	4.29153	0.00607	PASS
					0	1.74522	0.00247	PASS
					10	-4.39167	-0.00621	PASS
					20	-7.42436	-0.01049	PASS
					30	-0.27180	-0.00038	PASS
					40	1.35899	0.00192	PASS
					50	5.63621	0.00797	PASS
			HCH	VN	-30	9.49860	0.01328	PASS
					-20	-11.7301 9	-0.01640	PASS
					-10	1.70231	0.00238	PASS
					0	-2.37465	-0.00332	PASS
					10	-2.54631	-0.00356	PASS
					20	5.59330	0.00782	PASS
					30	0.64373	0.00090	PASS
					40	23.70358	0.03314	PASS
					50	11.50131	0.01608	PASS
		3	LCH	VN	-30	-1.70231	-0.00243	PASS
					-20	9.57012	0.01366	PASS
					-10	-2.57492	-0.00368	PASS
					0	1.57356	0.00225	PASS
					10	1.18732	0.00169	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	1.45912	0.00208	PASS
					30	5.03540	0.00719	PASS
					40	-0.31471	-0.00045	PASS
					50	-3.63350	-0.00519	PASS
			MCH	VN	-30	-5.86510	-0.00829	PASS
					-20	-1.61648	-0.00228	PASS
					-10	3.20435	0.00453	PASS
					0	3.64780	0.00516	PASS
					10	-1.95980	-0.00277	PASS
					20	2.21729	0.00313	PASS
					30	9.18388	0.01298	PASS
					40	-3.07560	-0.00435	PASS
					50	-3.91960	-0.00554	PASS
			HCH	VN	-30	-0.81539	-0.00114	PASS
					-20	2.30312	0.00322	PASS
					-10	1.13010	0.00158	PASS
					0	-2.27451	-0.00318	PASS
					10	-2.20299	-0.00308	PASS
					20	-1.53065	-0.00214	PASS
					30	4.42028	0.00619	PASS
					40	3.77655	0.00529	PASS
					50	-1.45912	-0.00204	PASS
		5	LCH	VN	-30	-1.95980	-0.00279	PASS
					-20	4.11987	0.00587	PASS
					-10	-5.80788	-0.00828	PASS
					0	-1.24455	-0.00177	PASS
					10	3.07560	0.00438	PASS
					20	-3.74794	-0.00534	PASS
					30	5.02109	0.00716	PASS
					40	-3.86238	-0.00551	PASS
					50	-1.44482	-0.00206	PASS
			MCH	VN	-30	5.73635	0.00811	PASS
					-20	2.14577	0.00303	PASS
					-10	-1.71661	-0.00243	PASS
					0	2.61784	0.00370	PASS
					10	-1.02997	-0.00146	PASS
					20	1.18732	0.00168	PASS
					30	-2.86102	-0.00404	PASS
					40	-1.77383	-0.00251	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	50	0.57220	0.00081	PASS
					-30	-1.30177	-0.00182	PASS
					-20	-3.17573	-0.00445	PASS
					-10	1.13010	0.00158	PASS
					0	0.07153	0.00010	PASS
					10	5.79357	0.00812	PASS
					20	2.54631	0.00357	PASS
					30	2.67506	0.00375	PASS
					40	0.41485	0.00058	PASS
					50	-2.27451	-0.00319	PASS
		10	LCH	VN	-30	-1.65939	-0.00236	PASS
					-20	0.80109	0.00114	PASS
					-10	4.40597	0.00626	PASS
					0	-0.84400	-0.00120	PASS
					10	-3.08990	-0.00439	PASS
					20	-0.91553	-0.00130	PASS
					30	-0.72956	-0.00104	PASS
					40	2.37465	0.00337	PASS
					50	-0.28610	-0.00041	PASS
			MCH	VN	-30	0.80109	0.00113	PASS
					-20	-1.53065	-0.00216	PASS
					-10	0.05722	0.00008	PASS
					0	-0.64373	-0.00091	PASS
					10	1.24455	0.00176	PASS
					20	-2.26021	-0.00319	PASS
					30	-0.65804	-0.00093	PASS
					40	4.74930	0.00671	PASS
			HCH	VN	50	0.38624	0.00055	PASS
					-30	0.35763	0.00050	PASS
					-20	0.55790	0.00078	PASS
					-10	-2.96116	-0.00416	PASS
					0	-0.90122	-0.00127	PASS
					10	-1.45912	-0.00205	PASS
					20	-0.58651	-0.00082	PASS
					30	-0.37193	-0.00052	PASS
					40	-2.18868	-0.00308	PASS
					50	-1.14441	-0.00161	PASS

END