



1.1.1.2.5 Test Bandwidth = 15

1.1.1.2.5.1 Test Channel = LCH

1.1.1.2.5.1.1 Test RB = RB1#0





1.1.1.2.5.1.2 Test RB = RB1#74





1.1.1.2.5.1.3 Test RB = RB38#19





1.1.1.2.5.1.4 Test RB = RB75#0





1.1.1.2.5.2 Test Channel = HCH

1.1.1.2.5.2.1 Test RB = RB1#0





1.1.1.2.5.2.2 Test RB = RB1#74





1.1.1.2.5.2.3 Test RB = RB38#19





1.1.1.2.5.2.4 Test RB = RB75#0





1.1.1.2.6 Test Bandwidth = 20

1.1.1.2.6.1 Test Channel = LCH

1.1.1.2.6.1.1 Test RB = RB1#0





1.1.1.2.6.1.2 Test RB = RB1#99





1.1.1.2.6.1.3 Test RB = RB50#25





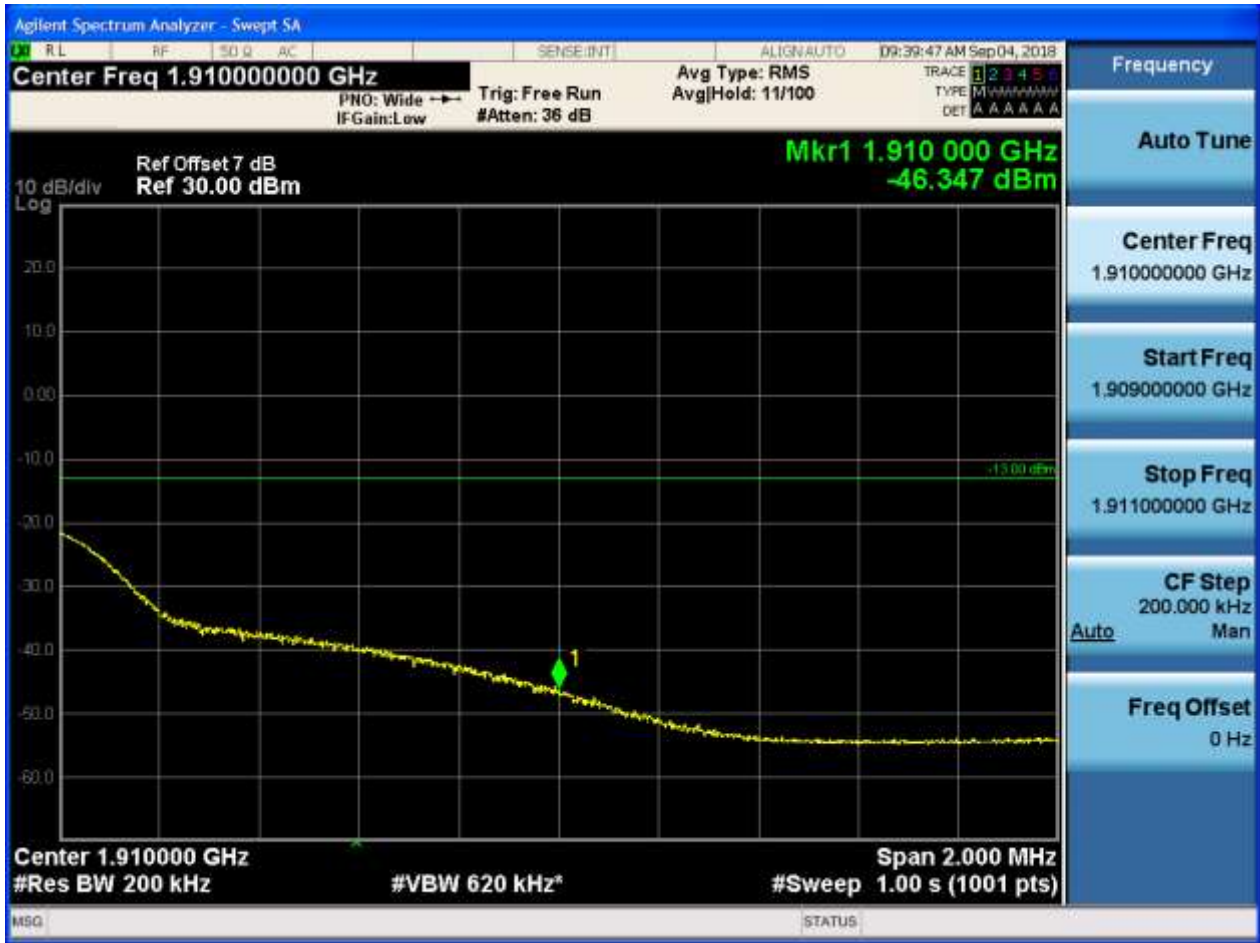
1.1.1.2.6.1.4 Test RB = RB100#0





1.1.1.2.6.2 Test Channel = HCH

1.1.1.2.6.2.1 Test RB = RB1#0





1.1.1.2.6.2.2 Test RB = RB1#99





1.1.1.2.6.2.3 Test RB = RB50#25





1.1.1.2.6.2.4 Test RB = RB100#0



6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = BAND2

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 1.4

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0







6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0





6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0







6.2.1.1.2 Test Bandwidth = 3

6.2.1.1.2.1 Test Channel = LCH

6.2.1.1.2.1.1 Test RB = RB1#0



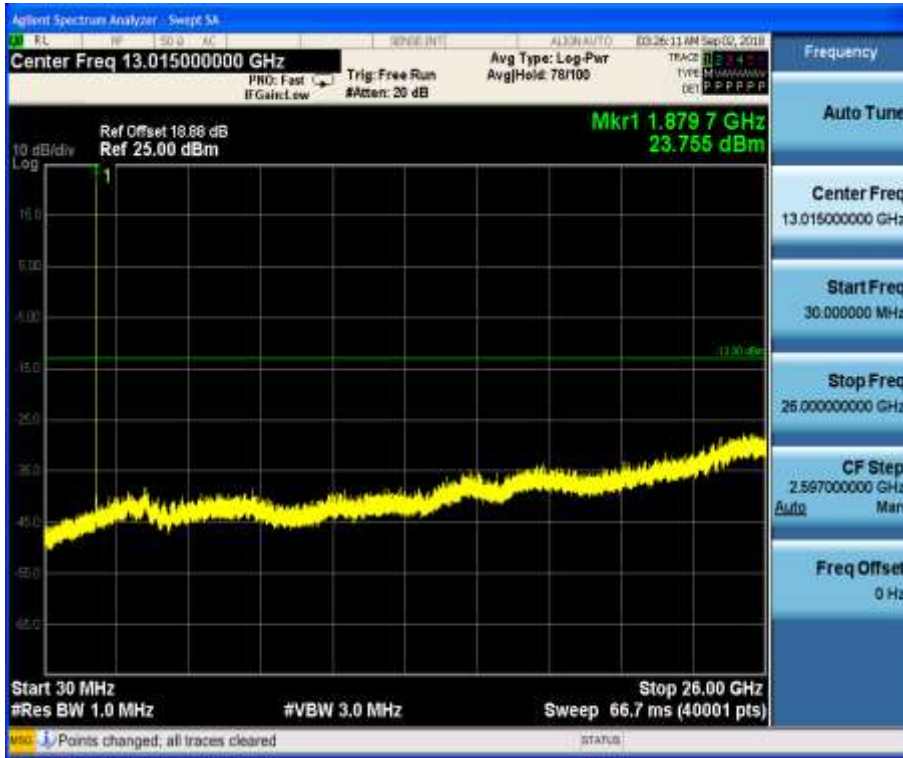




6.2.1.1.2.2 Test Channel = MCH

6.2.1.1.2.2.1 Test RB = RB1#0







6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0







6.2.1.1.3 Test Bandwidth = 5

6.2.1.1.3.1 Test Channel = LCH

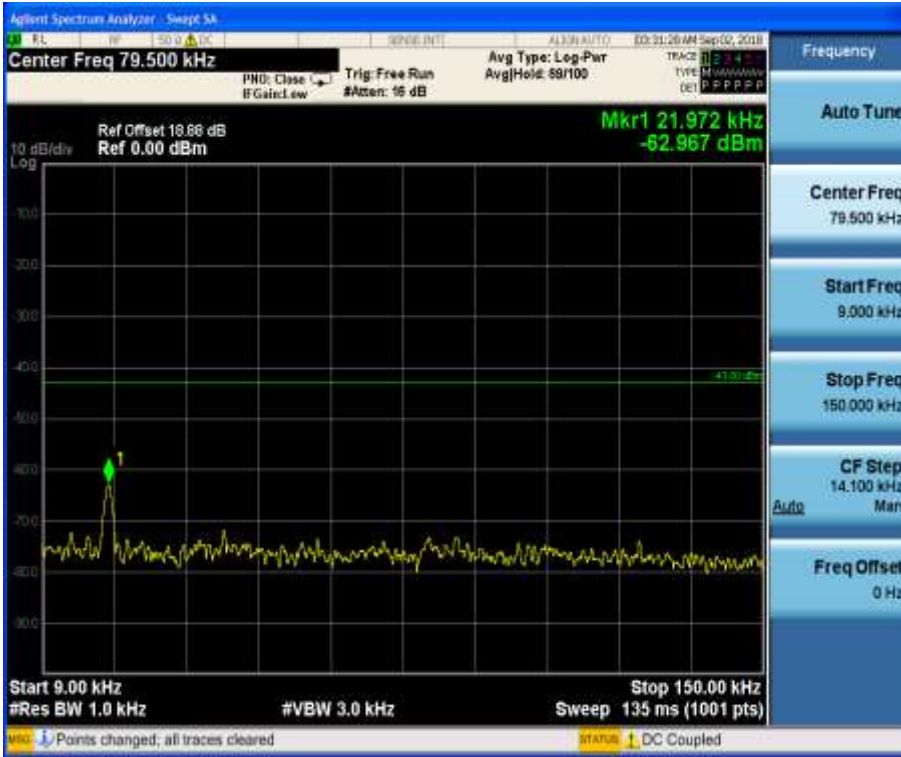
6.2.1.1.3.1.1 Test RB = RB1#0





6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0

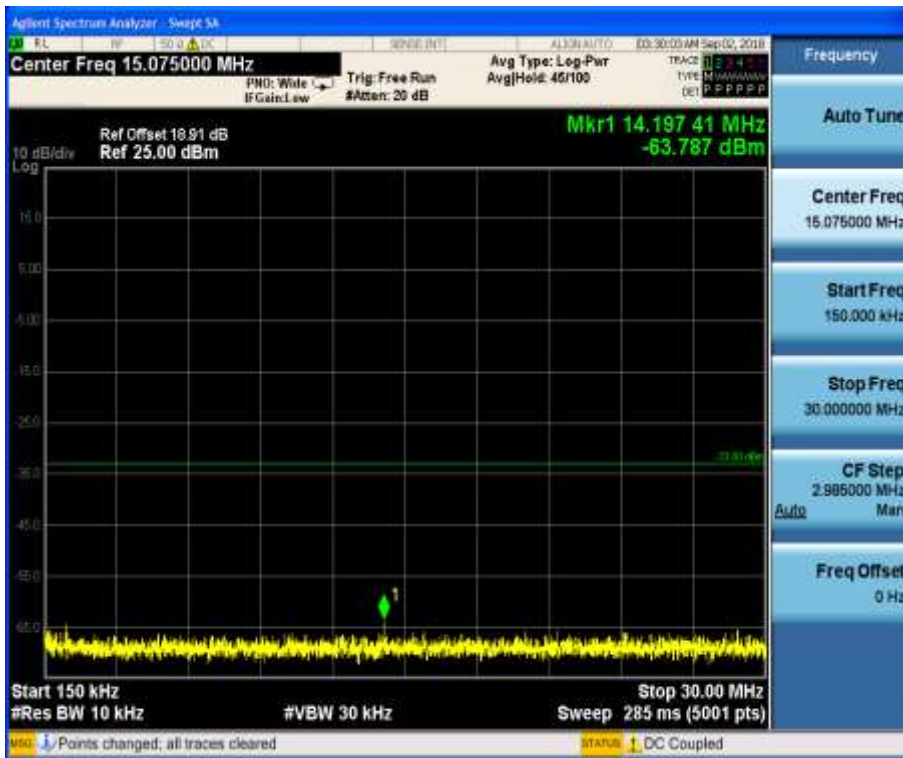






6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0







6.2.1.1.4 Test Bandwidth = 10

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0





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





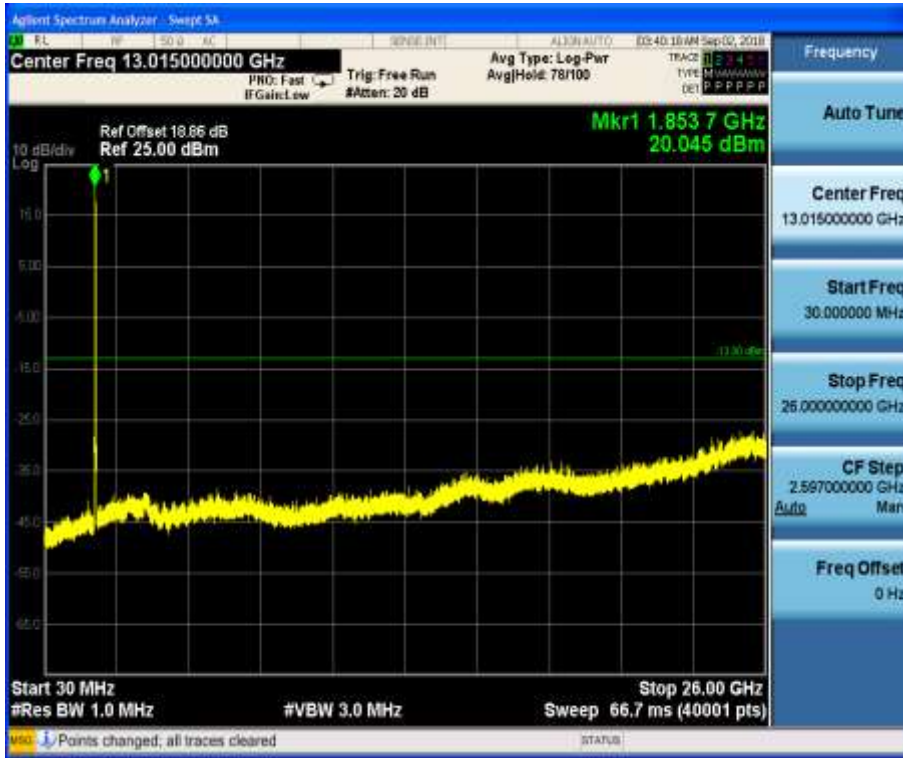


6.2.1.1.5 Test Bandwidth = 15

6.2.1.1.5.1 Test Channel = LCH

6.2.1.1.5.1.1 Test RB = RB1#0







6.2.1.1.5.2 Test Channel = MCH

6.2.1.1.5.2.1 Test RB = RB1#0







6.2.1.1.5.3 Test Channel = HCH

6.2.1.1.5.3.1 Test RB = RB1#0







6.2.1.1.6 Test Bandwidth = 20

6.2.1.1.6.1 Test Channel = LCH

6.2.1.1.6.1.1 Test RB = RB1#0







6.2.1.1.6.2 Test Channel = MCH

6.2.1.1.6.2.1 Test RB = RB1#0







6.2.1.1.6.3 Test Channel = HCH

6.2.1.1.6.3.1 Test RB = RB1#0





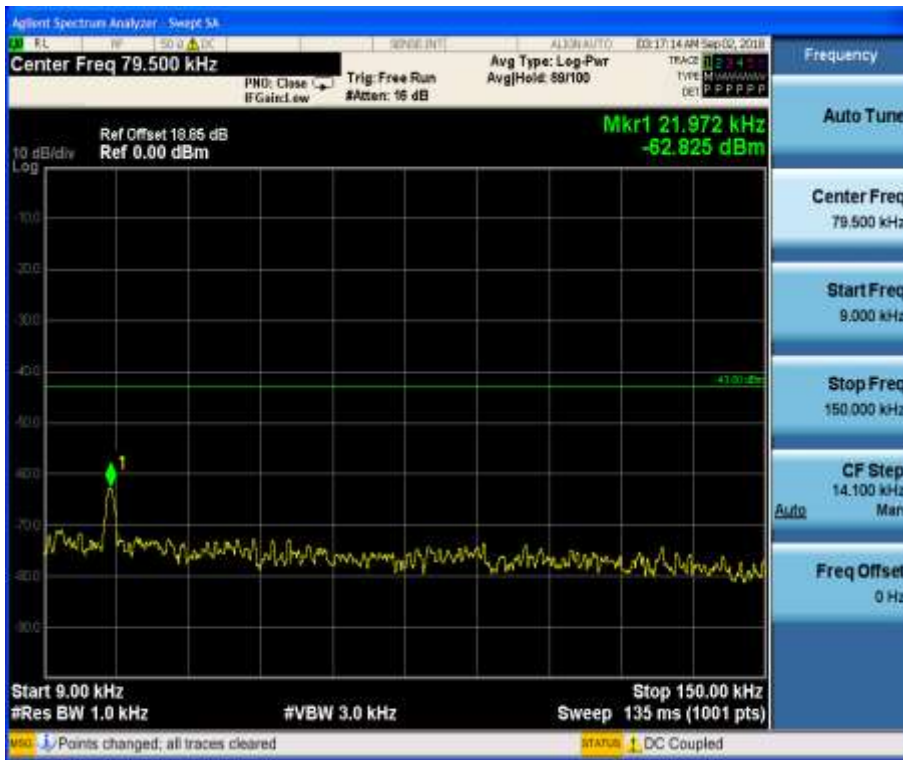


6.2.1.2 Test Mode = LTE/TM2

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







6.2.1.2.5 Test Bandwidth = 15

6.2.1.2.5.1 Test Channel = LCH

6.2.1.2.5.1.1 Test RB = RB1#0





6.2.1.2.5.2 Test Channel = MCH

6.2.1.2.5.2.1 Test RB = RB1#0







6.2.1.2.5.3 Test Channel = HCH

6.2.1.2.5.3.1 Test RB = RB1#0





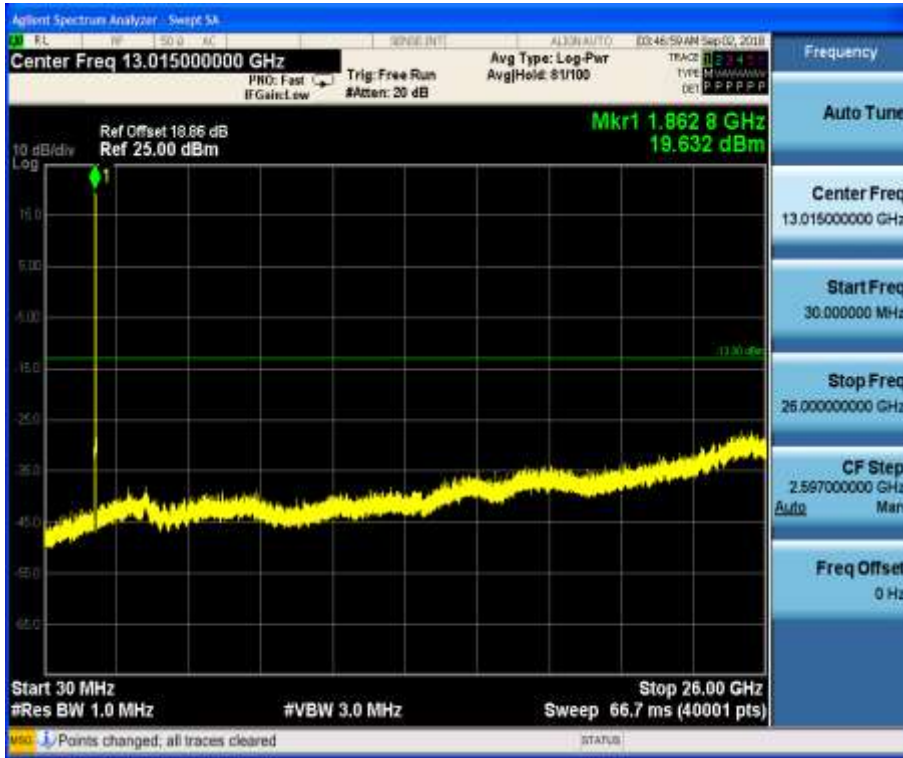


6.2.1.2.6 Test Bandwidth = 20

6.2.1.2.6.1 Test Channel = LCH

6.2.1.2.6.1.1 Test RB = RB1#0







6.2.1.2.6.2 Test Channel = MCH

6.2.1.2.6.2.1 Test RB = RB1#0







6.2.1.2.6.3 Test Channel = HCH

6.2.1.2.6.3.1 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

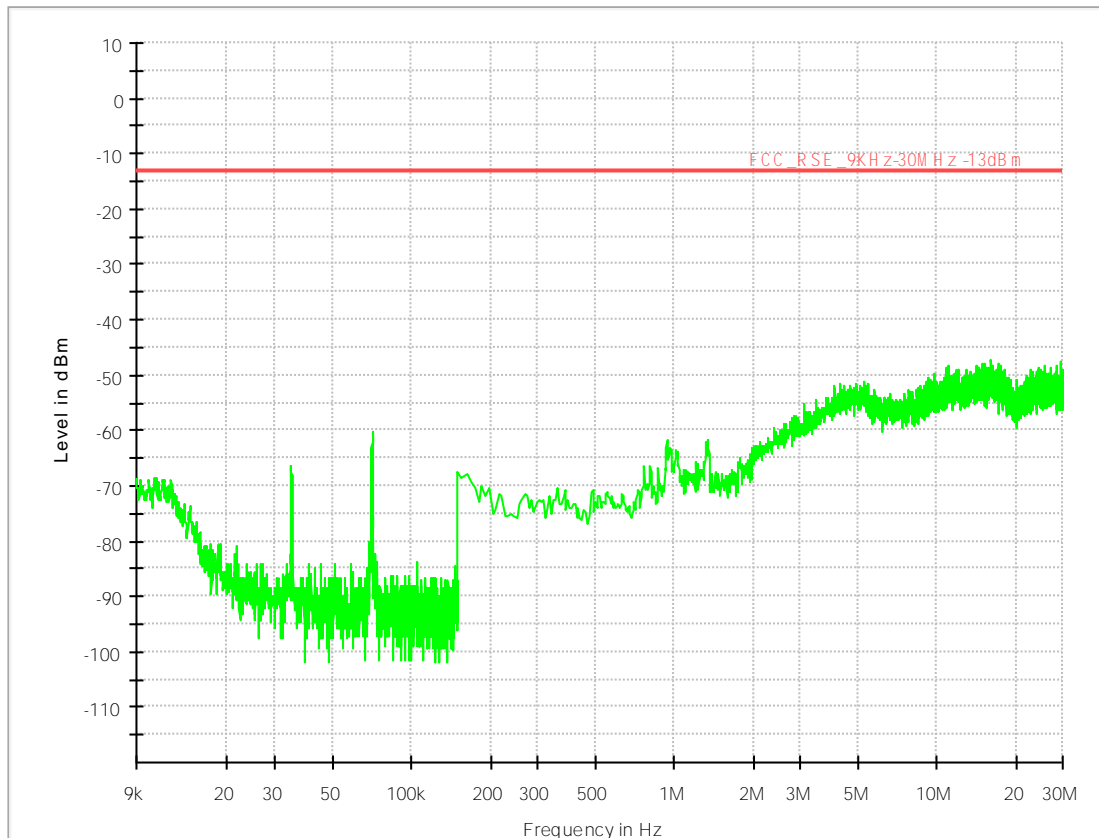
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

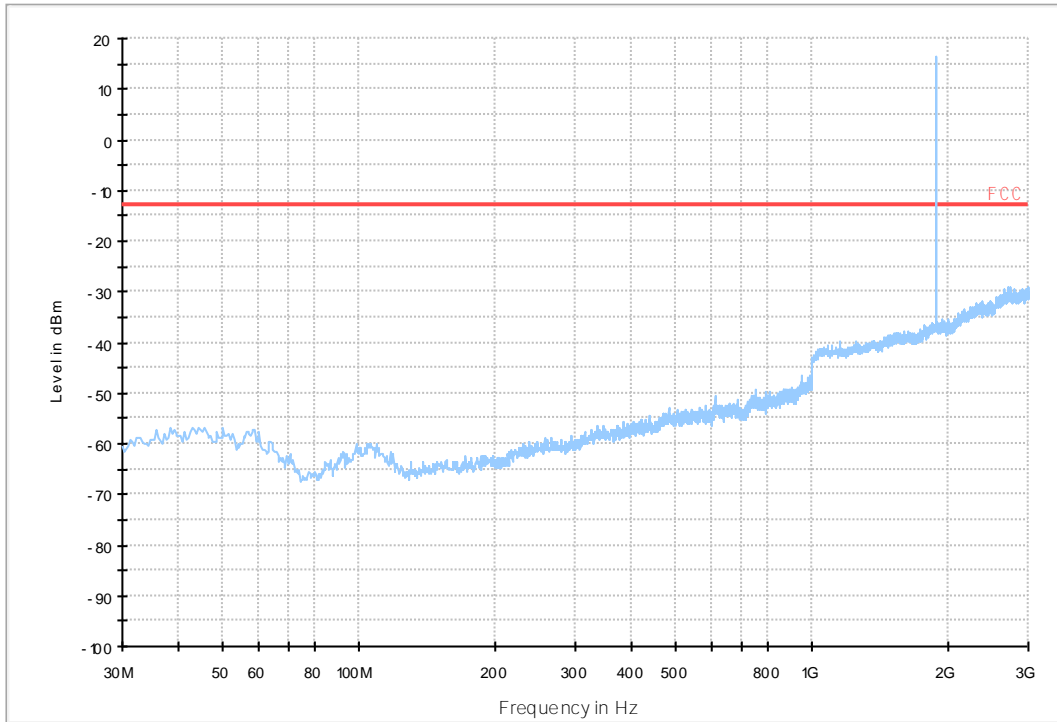
7.1 For LTE

7.1.1 Test Band = BAND2_ANT1

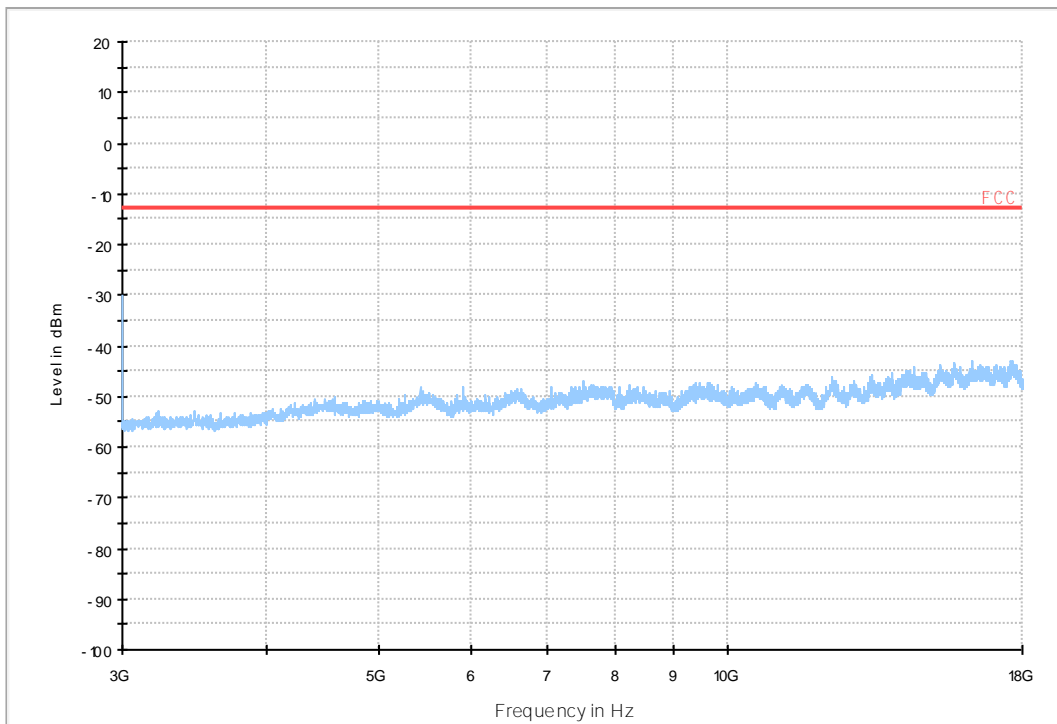
7.1.1.1 Test Bandwidth = 1.4



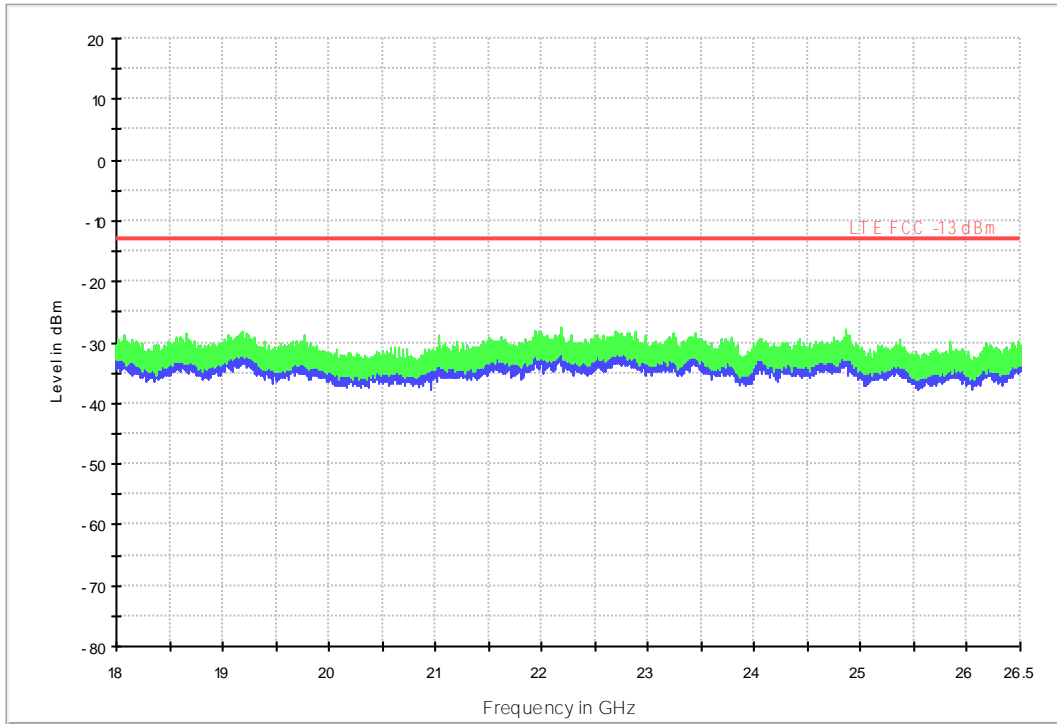
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

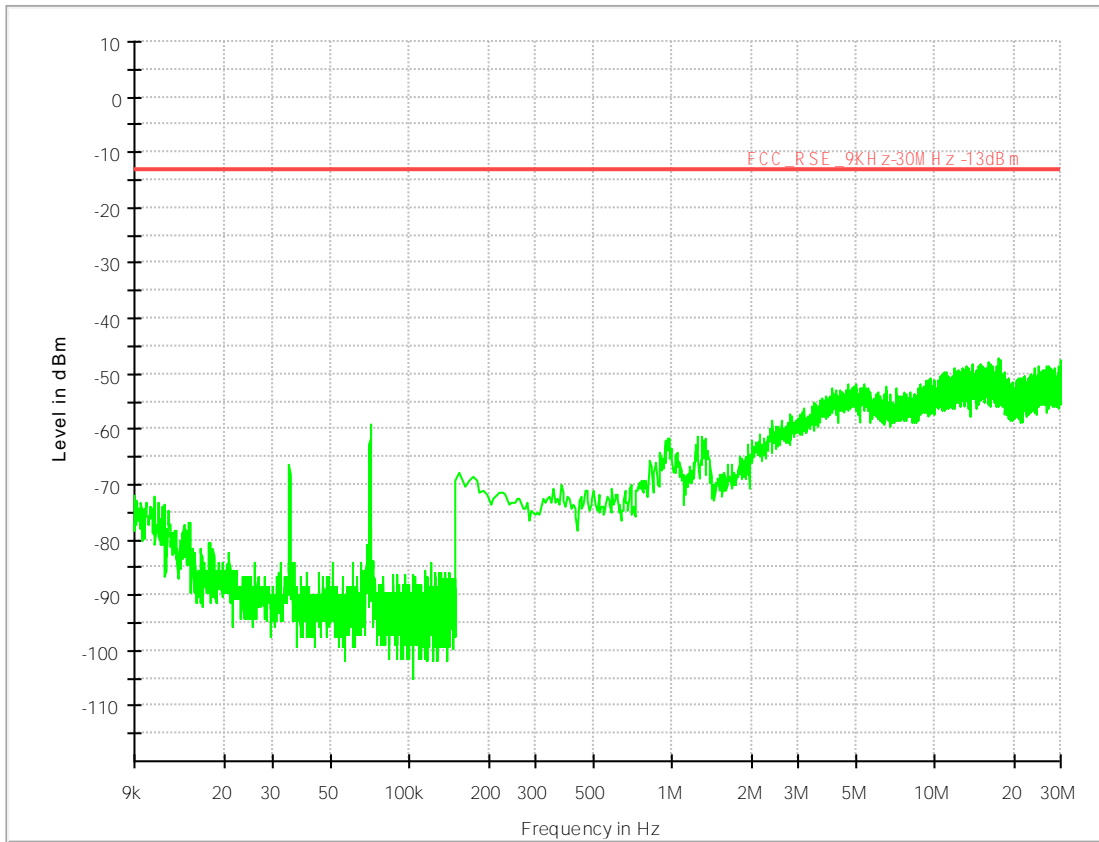


18G- 26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



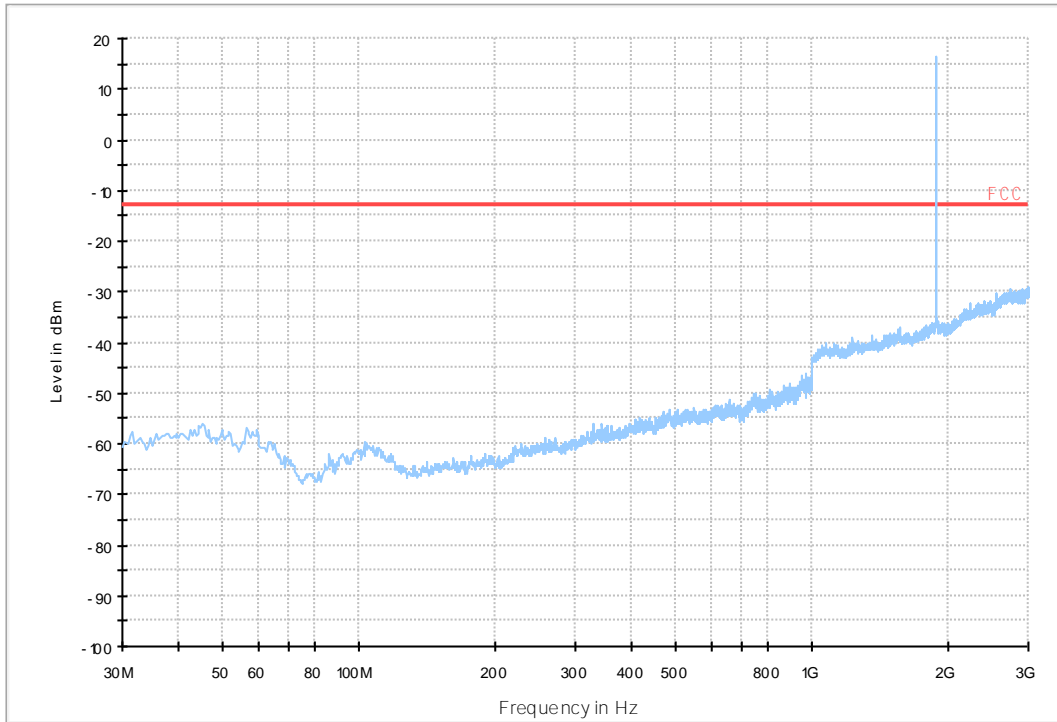


7.1.1.2 Test Bandwidth = 5

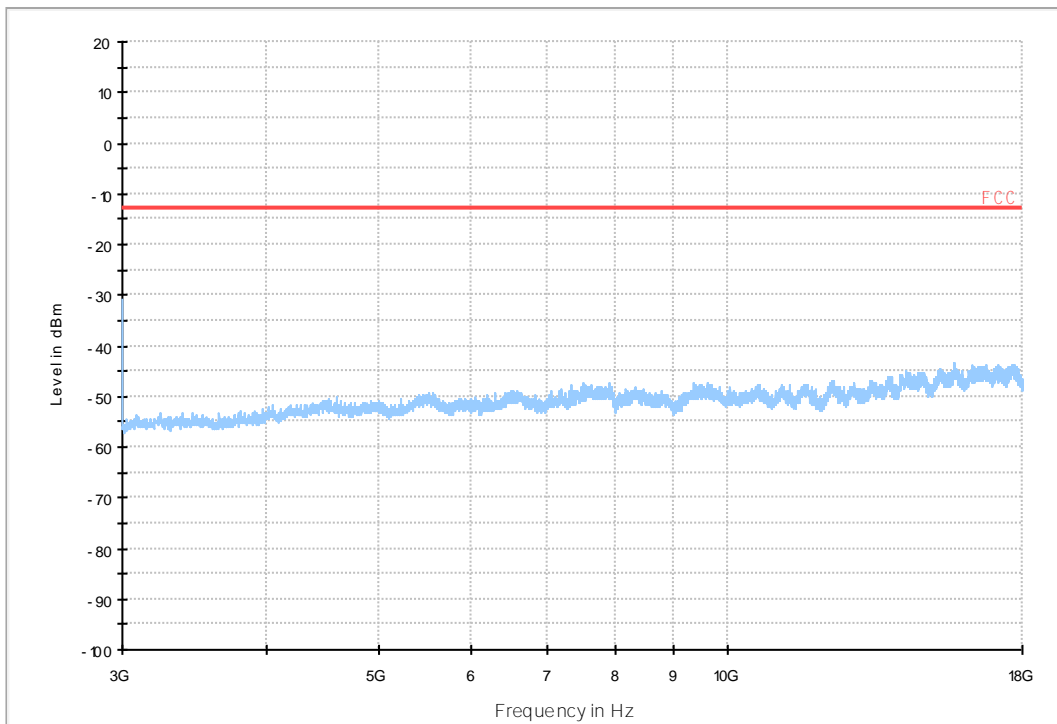




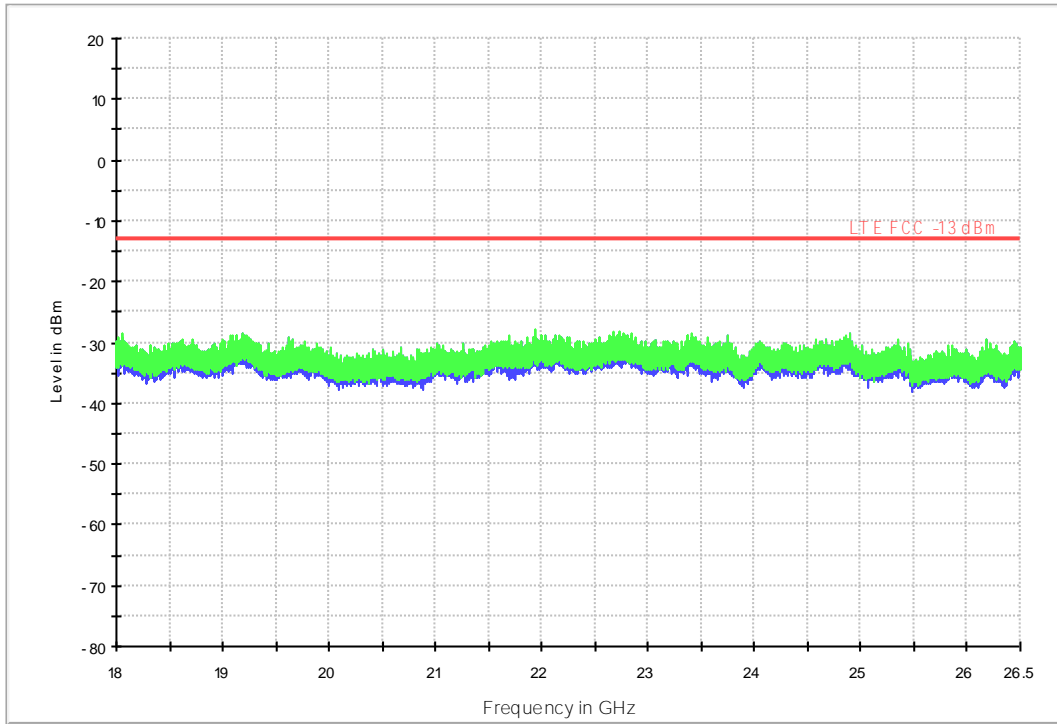
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

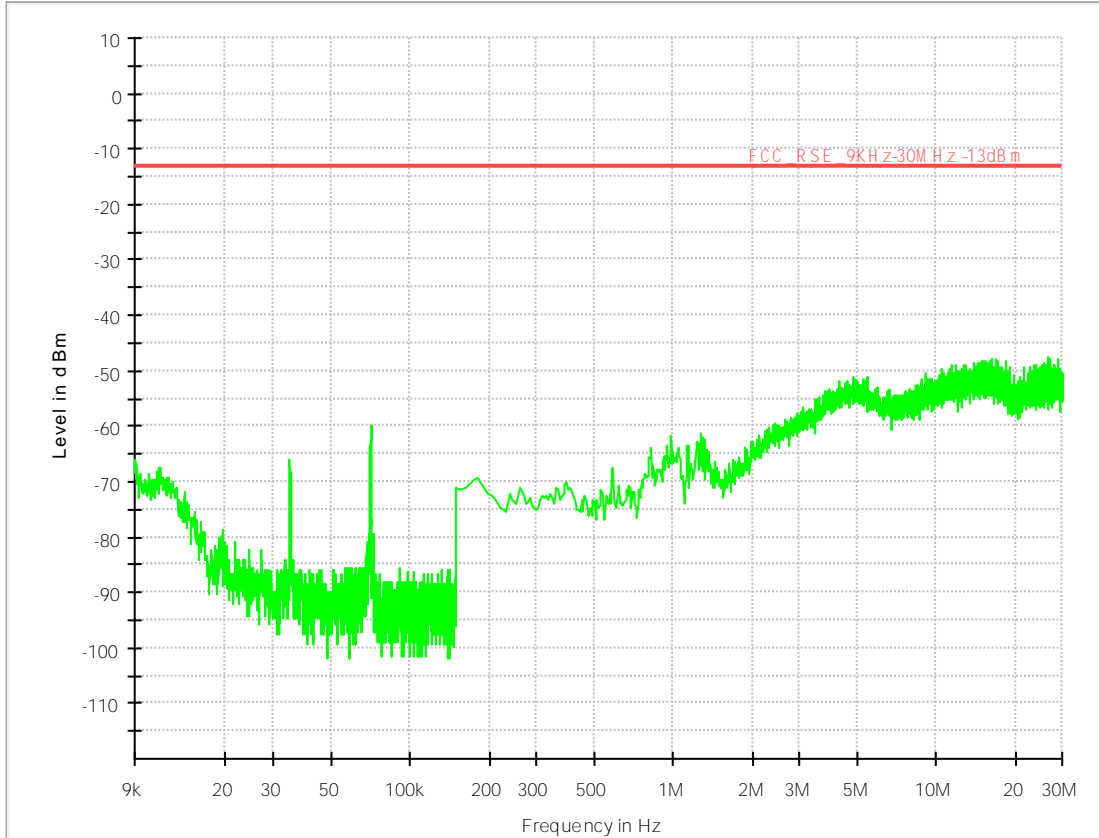


18G- 26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



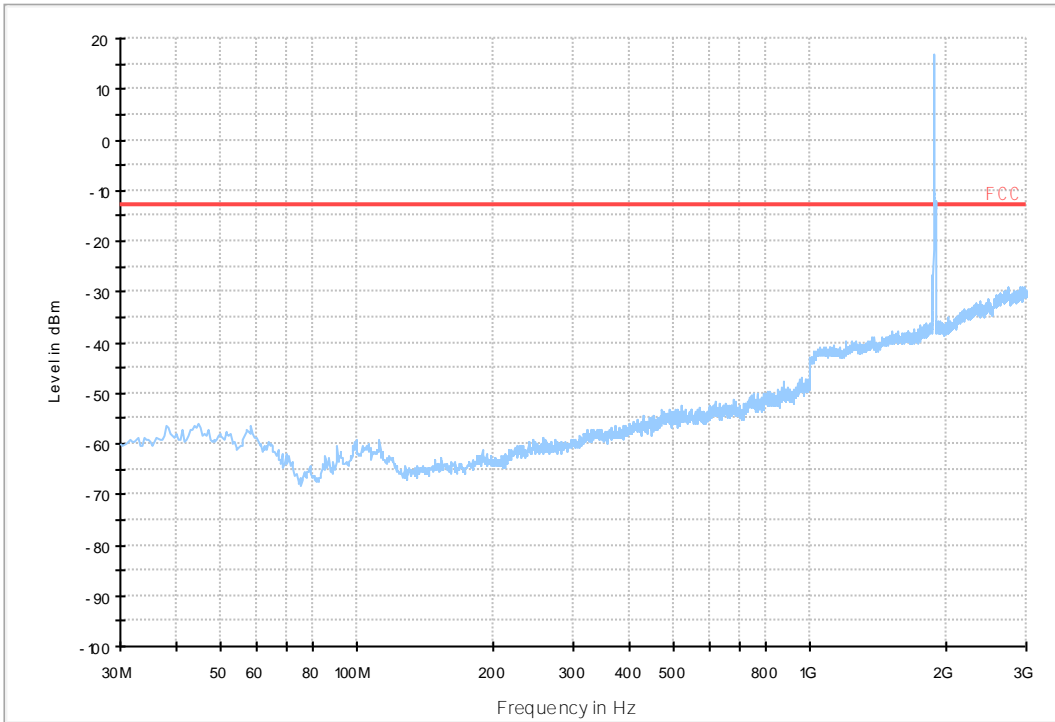


7.1.1.3 Test Bandwidth = 20

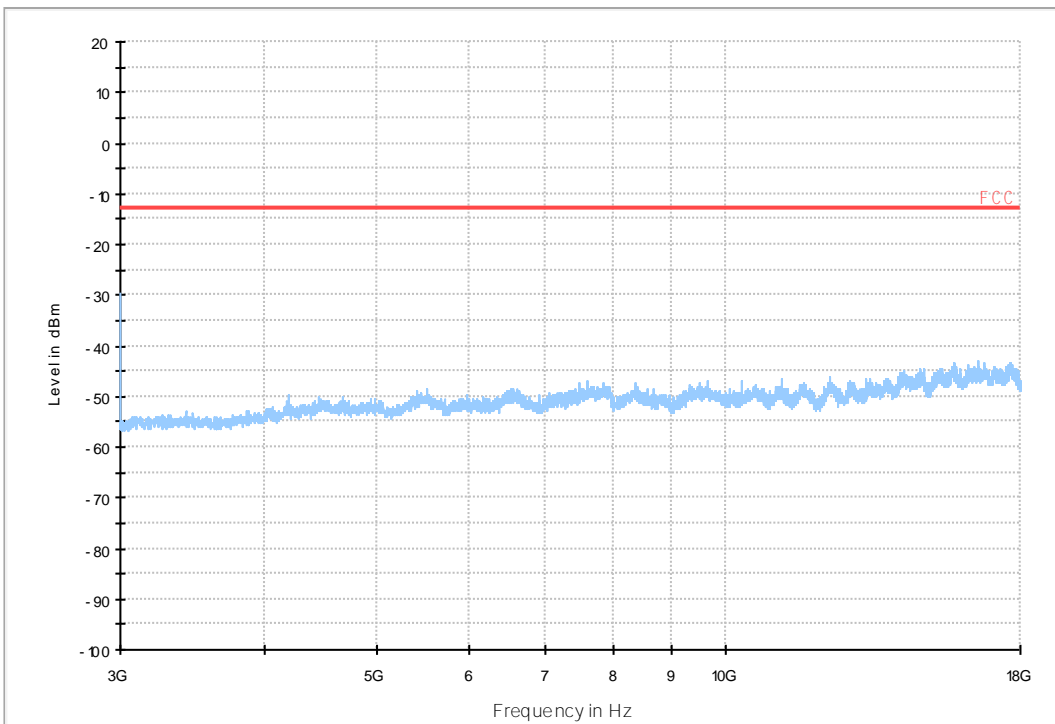




LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L

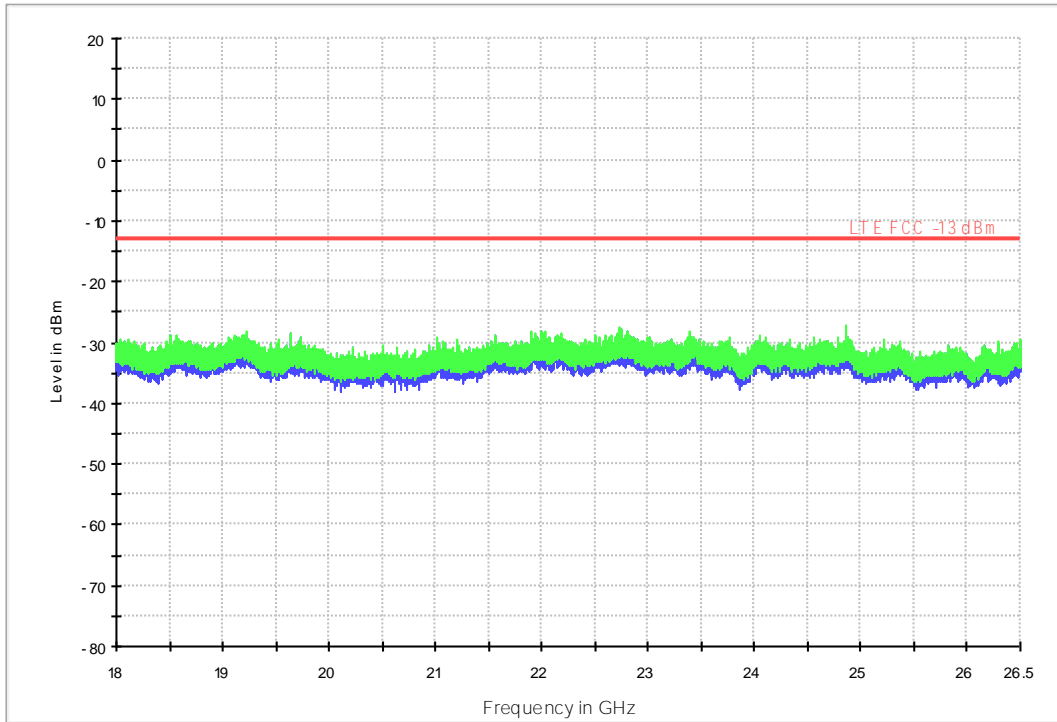


LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H





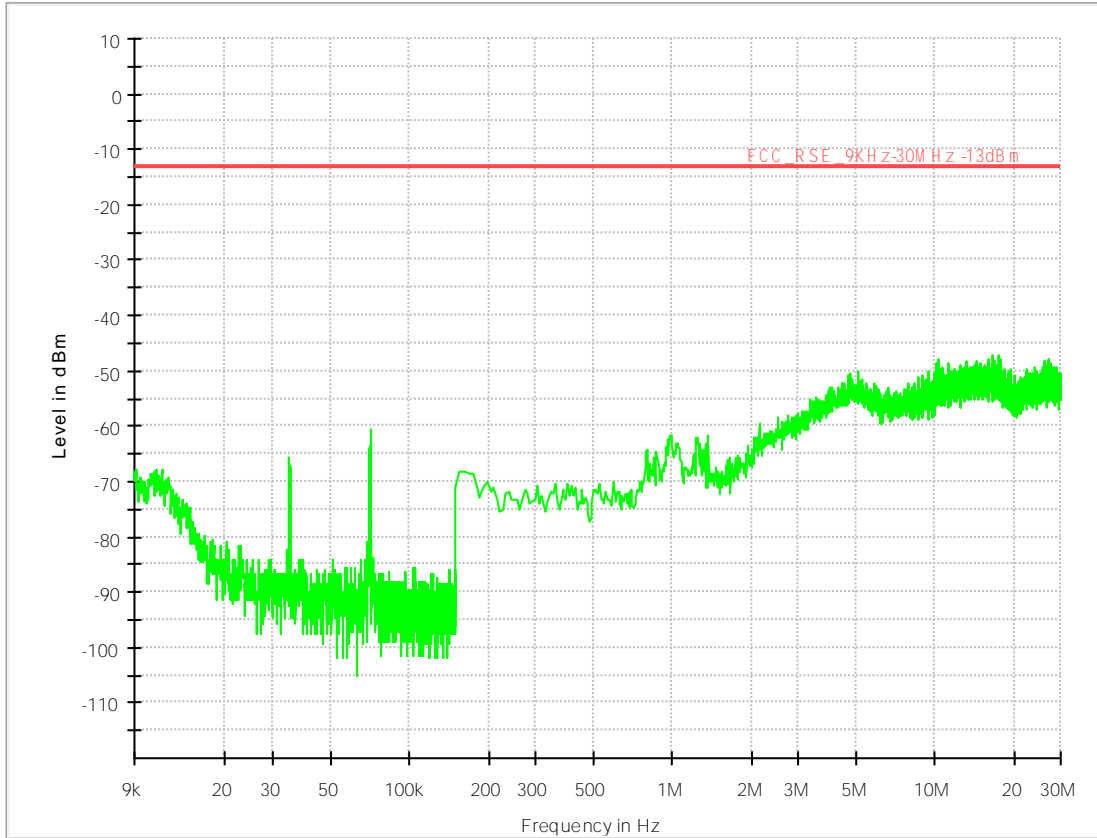
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



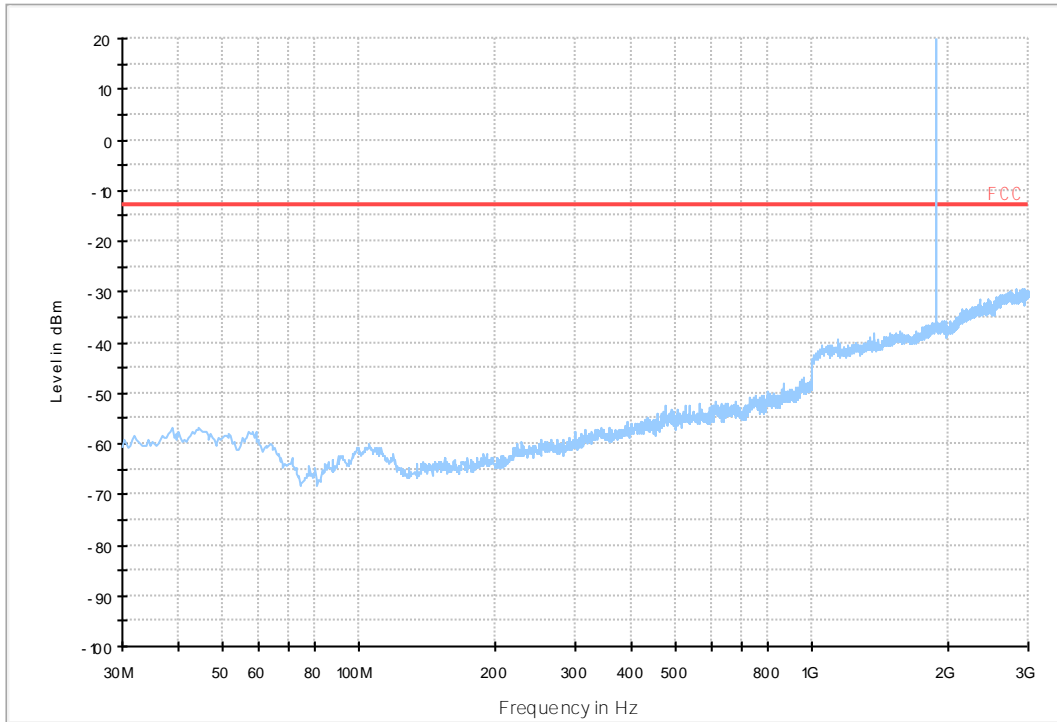


7.1.2 Test Band = BAND2_ANT2

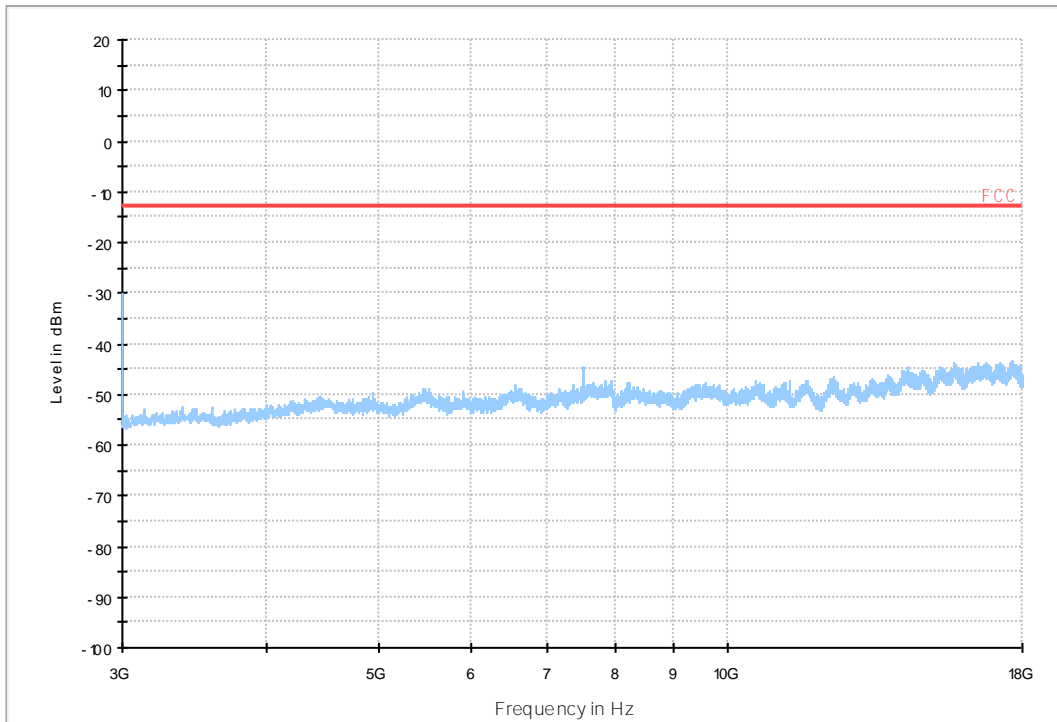
7.1.2.1 Test Bandwidth = 1.4



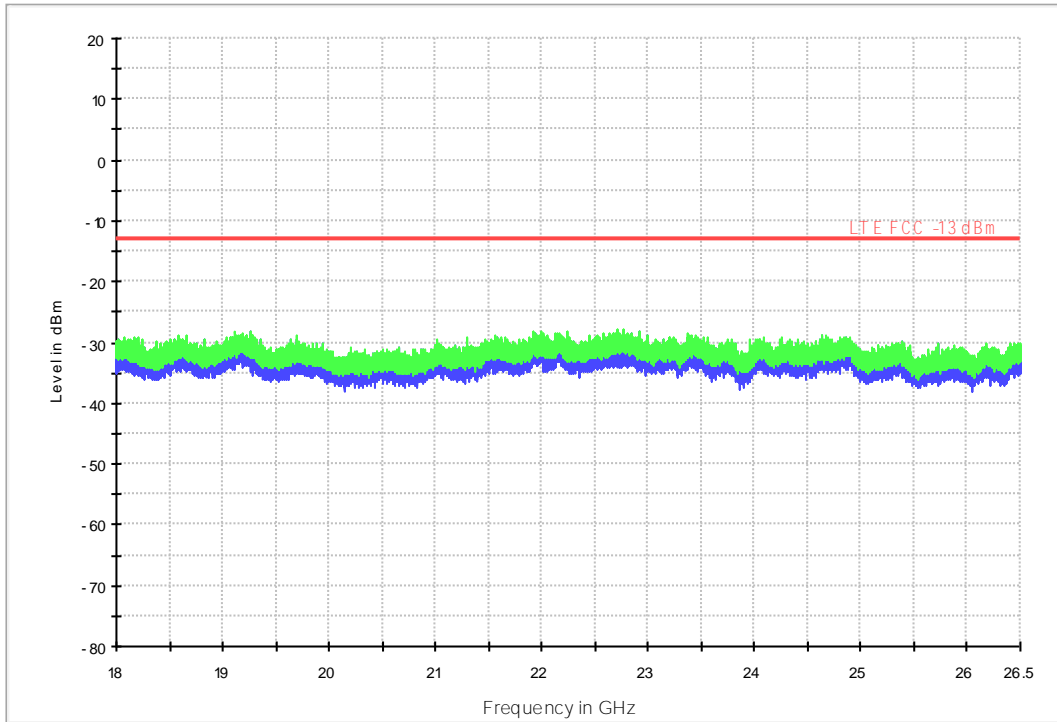
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

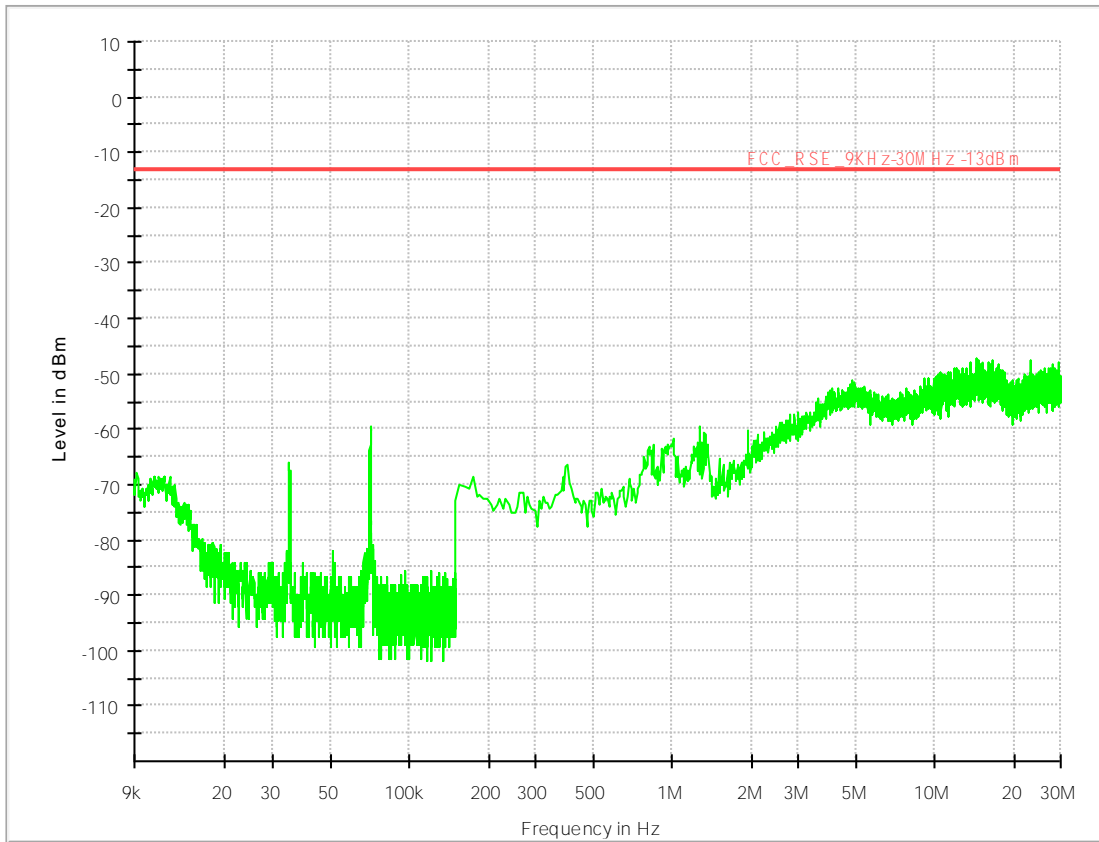


18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

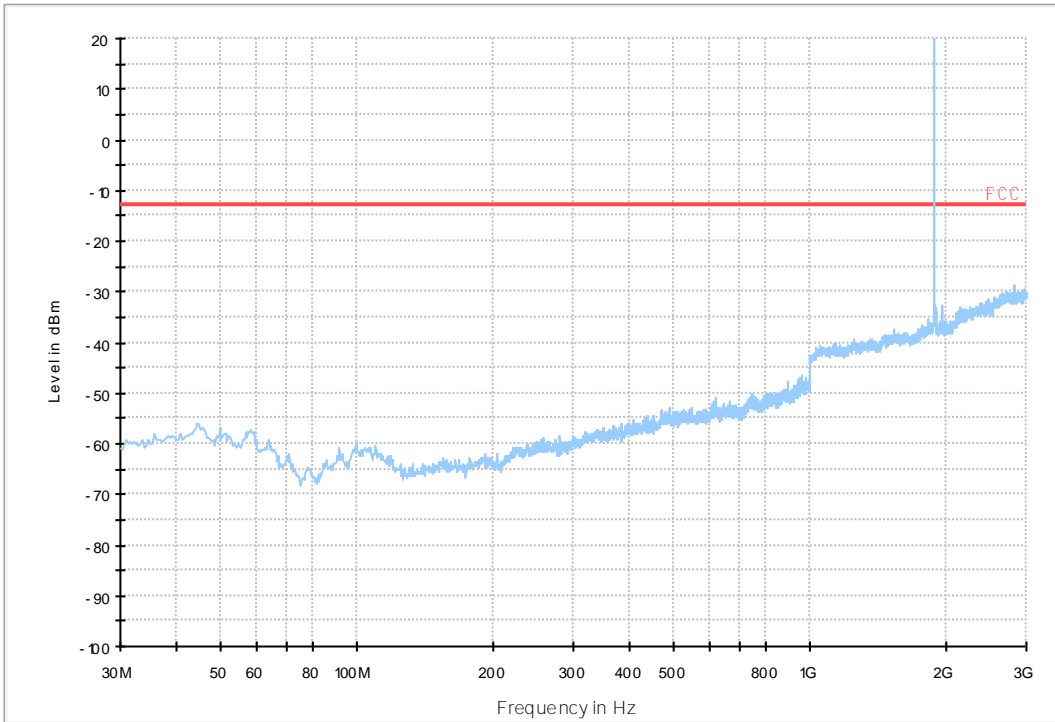




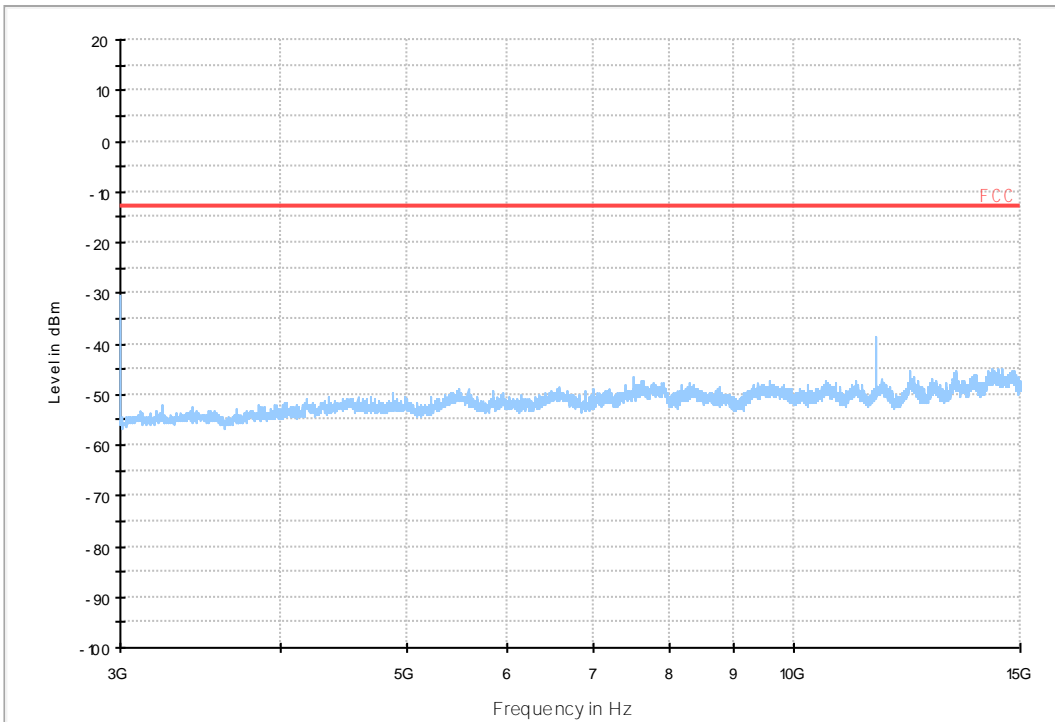
7.1.2.2 Test Bandwidth = 5



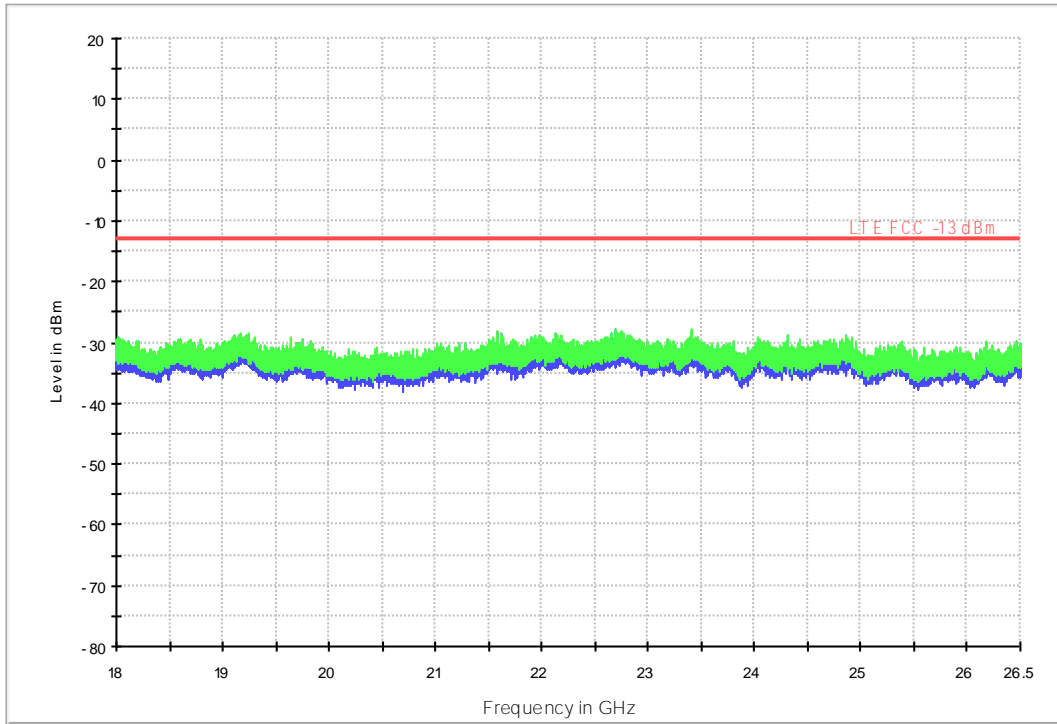
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



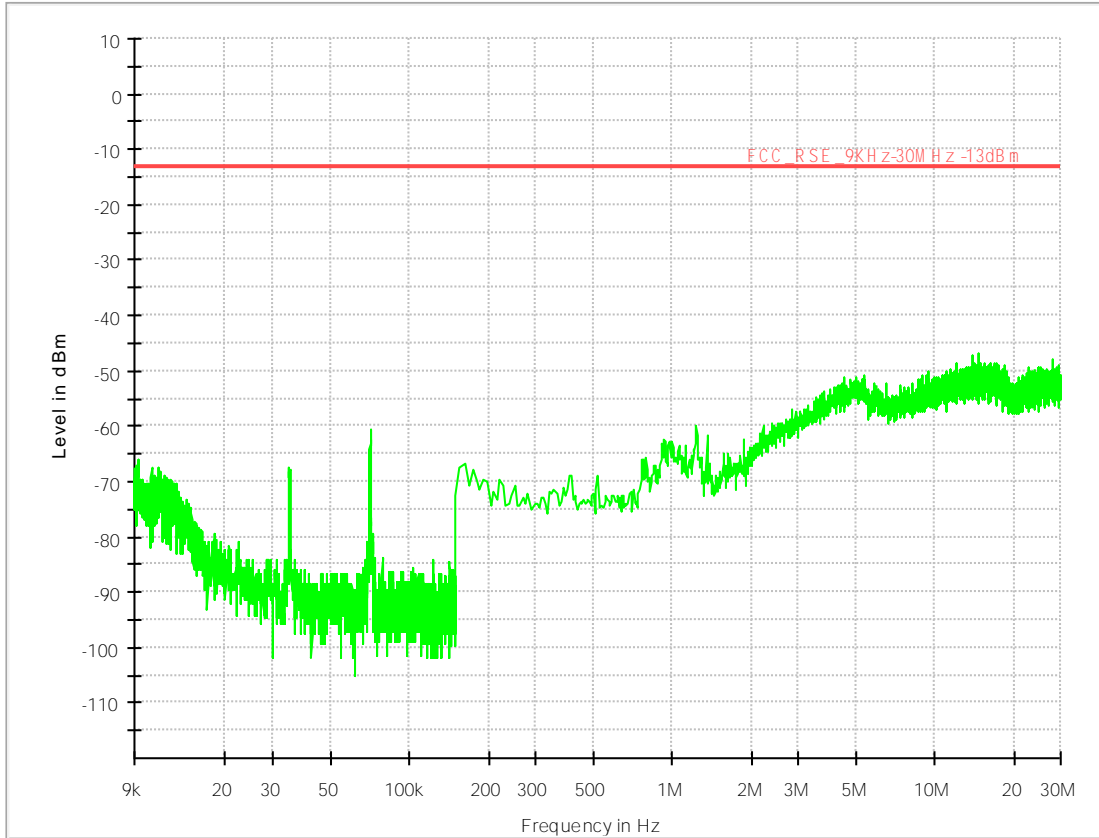
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

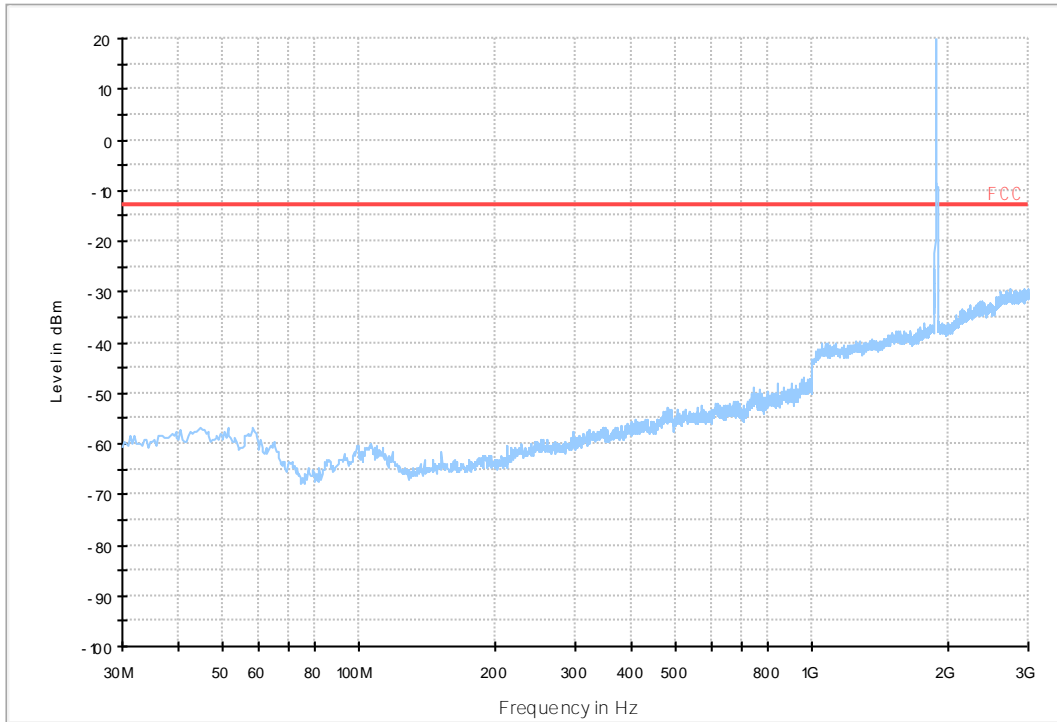


7.1.2.3 Test Bandwidth = 20

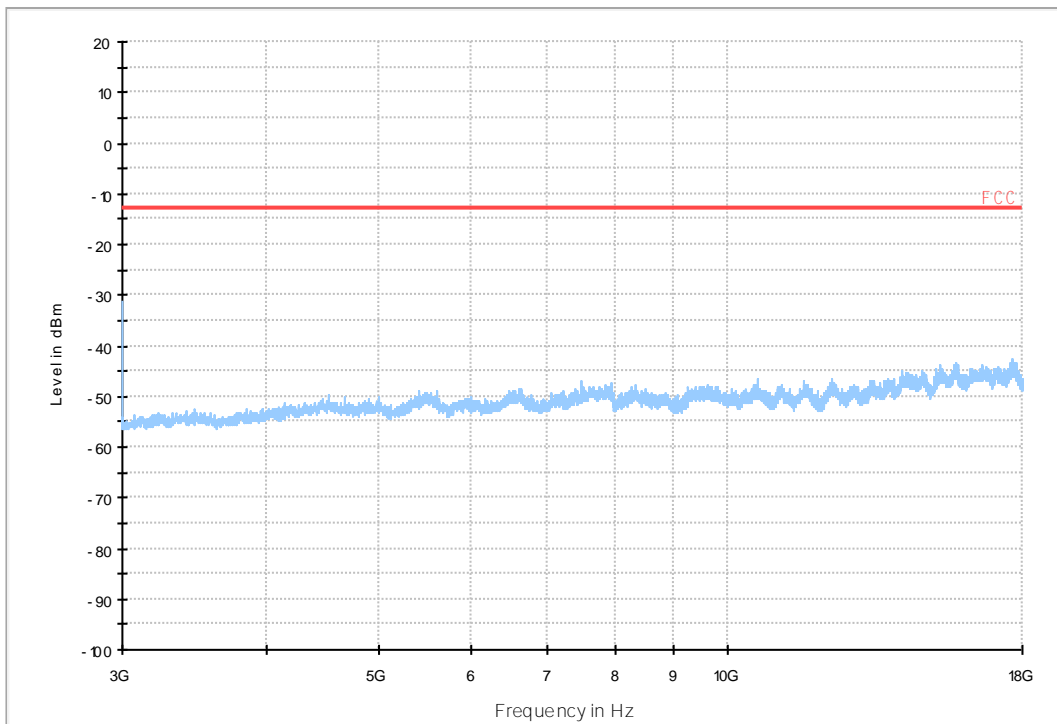




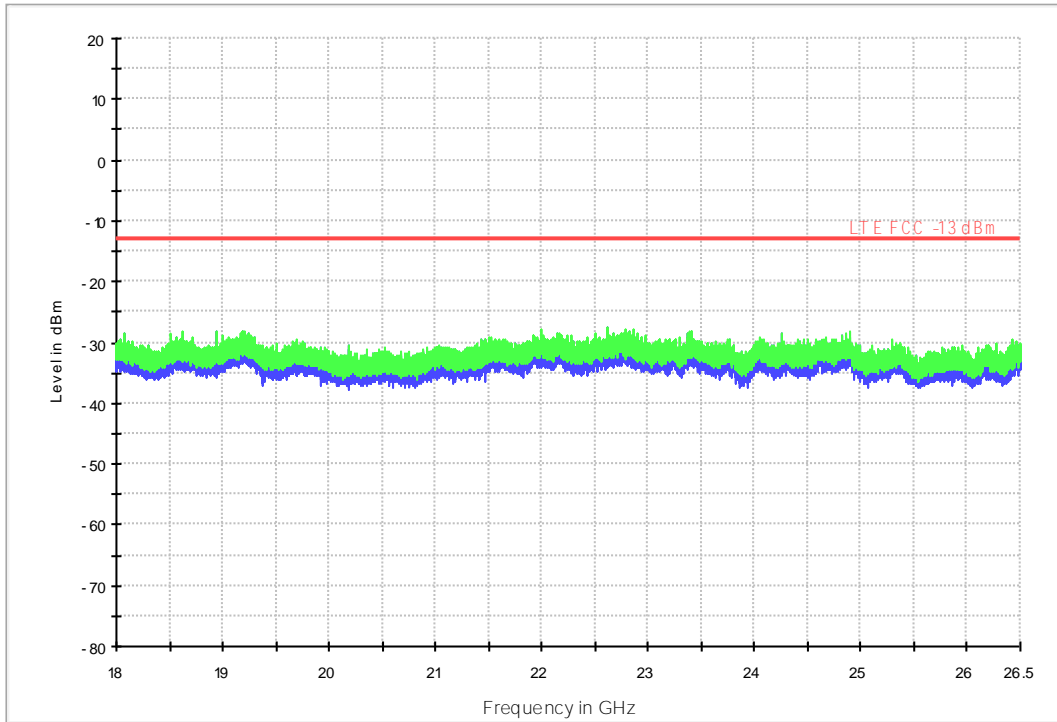
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G- 26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND2	LTE/TM1	1.4	LCH	TN	VL	-3.19004	-0.00172	PASS
					VN	-5.33581	-0.00288	PASS
					VH	-29.49715	-0.01594	PASS
			MCH	TN	VL	-9.15527	-0.00487	PASS
					VN	0.65804	0.00035	PASS
					VH	-2.47478	-0.00132	PASS
			HCH	TN	VL	-6.69479	-0.00351	PASS
					VN	-6.36578	-0.00333	PASS
					VH	-1.74522	-0.00091	PASS
		3	LCH	TN	VL	-3.30448	-0.00178	PASS
					VN	1.37329	0.00074	PASS
					VH	-1.51634	-0.00082	PASS
			MCH	TN	VL	-2.94685	-0.00157	PASS
					VN	-3.08990	-0.00164	PASS
					VH	-8.72612	-0.00464	PASS
			HCH	TN	VL	0.81539	0.00043	PASS
					VN	0.01431	0.00001	PASS
					VH	0.92983	0.00049	PASS
		5	LCH	TN	VL	-1.37329	-0.00074	PASS
					VN	-4.40597	-0.00238	PASS
					VH	-0.50068	-0.00027	PASS
			MCH	TN	VL	0.67234	0.00036	PASS
					VN	-2.51770	-0.00134	PASS
					VH	1.53065	0.00081	PASS
			HCH	TN	VL	-3.11851	-0.00163	PASS
					VN	-2.64645	-0.00139	PASS
					VH	-4.57764	-0.00240	PASS
		10	LCH	TN	VL	-2.60353	-0.00140	PASS
					VN	0.40054	0.00022	PASS
					VH	0.10014	0.00005	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			MCH	TN	VL	-1.55926	-0.00083	PASS	
					VN	-5.03540	-0.00268	PASS	
					VH	-1.08719	-0.00058	PASS	
			HCH	TN	VL	0.82970	0.00044	PASS	
					VN	-1.21593	-0.00064	PASS	
					VH	-0.45776	-0.00024	PASS	
		15	LCH	TN	VL	-2.46048	-0.00132	PASS	
					VN	-5.20706	-0.00280	PASS	
					VH	-4.90665	-0.00264	PASS	
			MCH	TN	VL	-1.70231	-0.00091	PASS	
					VN	-4.42028	-0.00235	PASS	
					VH	-1.61648	-0.00086	PASS	
			HCH	TN	VL	-1.54495	-0.00081	PASS	
					VN	-2.87533	-0.00151	PASS	
					VH	-1.45912	-0.00077	PASS	
		20	LCH	TN	VL	-2.44618	-0.00132	PASS	
					VN	-5.99384	-0.00322	PASS	
					VH	-0.12875	-0.00007	PASS	
			MCH	TN	VL	-1.02997	-0.00055	PASS	
					VN	-4.46320	-0.00237	PASS	
					VH	-3.56197	-0.00189	PASS	
			HCH	TN	VL	-0.62943	-0.00033	PASS	
					VN	-1.18732	-0.00062	PASS	
					VH	-3.23296	-0.00170	PASS	
		LTE/TM2	1.4	LCH	TN	VL	-4.62055	-0.00250	PASS
						VN	-6.27994	-0.00339	PASS
						VH	-4.47750	-0.00242	PASS
				MCH	TN	VL	-3.19004	-0.00170	PASS
						VN	-4.64916	-0.00247	PASS
						VH	-9.01222	-0.00479	PASS
				HCH	TN	VL	-3.16143	-0.00166	PASS
						VN	0.48637	0.00025	PASS
						VH	-15.30647	-0.00802	PASS
			3	LCH	TN	VL	2.86102	0.00155	PASS
						VN	-1.64509	-0.00089	PASS
						VH	-1.44482	-0.00078	PASS
				MCH	TN	VL	-8.15391	-0.00434	PASS
						VN	-2.98977	-0.00159	PASS
						VH			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		5	HCH	TN	VH	-1.61648	-0.00086	PASS
					VL	1.27316	0.00067	PASS
					VN	-1.14441	-0.00060	PASS
					VH	-6.83784	-0.00358	PASS
			LCH	TN	VL	-1.75953	-0.00095	PASS
					VN	-2.51770	-0.00136	PASS
					VH	1.07288	0.00058	PASS
					VL	-4.09126	-0.00218	PASS
			MCH	TN	VN	-2.81811	-0.00150	PASS
					VH	-2.26021	-0.00120	PASS
					VL	18.99719	0.00996	PASS
					VN	-3.94821	-0.00207	PASS
		HCH	TN	VH	-1.21593	-0.00064	PASS	
				VL	-1.53065	-0.00083	PASS	
				VN	-1.34468	-0.00072	PASS	
				VH	0.32902	0.00018	PASS	
		10	LCH	TN	VL	-2.60353	-0.00138	PASS
					VN	-2.53200	-0.00135	PASS
					VH	-2.98977	-0.00159	PASS
					VL	-0.52929	-0.00028	PASS
			MCH	TN	VN	-1.43051	-0.00075	PASS
					VH	-1.15871	-0.00061	PASS
					VL	-3.97682	-0.00214	PASS
					VN	-2.60353	-0.00140	PASS
			HCH	TN	VH	-3.26157	-0.00176	PASS
					VL	-1.33038	-0.00071	PASS
					VN	-5.20706	-0.00277	PASS
					VH	-4.94957	-0.00263	PASS
		15	LCH	TN	VL	-1.61648	-0.00085	PASS
					VN	-1.90258	-0.00100	PASS
					VH	-2.90394	-0.00153	PASS
					VL	-4.03404	-0.00217	PASS
			MCH	TN	VN	-0.90122	-0.00048	PASS
					VH	3.19004	0.00172	PASS
					VL	-1.77383	-0.00094	PASS
					VN	-3.67641	-0.00196	PASS
			HCH	TN	VH	-3.07560	-0.00164	PASS
					VL	-2.78950	-0.00147	PASS
					VN	-2.78950	-0.00147	PASS
					VH	-2.78950	-0.00147	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.78678	-0.00041	PASS
					VH	0.02861	0.00002	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
BAND2	LTE/TM1	1.4	LCH	VN	-30	-12.10213	-0.00654	PASS
					-20	-14.92023	-0.00806	PASS
					-10	37.29343	0.02015	PASS
					0	-6.03676	-0.00326	PASS
					10	1.80244	0.00097	PASS
					20	-5.33581	-0.00288	PASS
					30	-0.97275	-0.00053	PASS
					40	39.65378	0.02143	PASS
			50	26.77917	0.01447	PASS		
			MCH	VN	-30	-7.45296	-0.00396	PASS
					-20	-6.36578	-0.00339	PASS
					-10	-114.08330	-0.06068	PASS
					0	6.07967	0.00323	PASS
					10	-6.29425	-0.00335	PASS
					20	0.65804	0.00035	PASS
					30	-2.53200	-0.00135	PASS
					40	-9.69887	-0.00516	PASS
			50	4.93527	0.00263	PASS		
			HCH	VN	-30	-2.01702	-0.00106	PASS
					-20	-1.23024	-0.00064	PASS
					-10	0.84400	0.00044	PASS
					0	-33.27370	-0.01743	PASS
					10	-7.35283	-0.00385	PASS
					20	-6.36578	-0.00333	PASS
30	11.65867	0.00611			PASS			
40	-1.41621	-0.00074			PASS			
50	-2.70367	-0.00142	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	-30	2.17438	0.00117	PASS
					-20	-1.55926	-0.00084	PASS
					-10	-2.63214	-0.00142	PASS
					0	-1.94550	-0.00105	PASS
					10	-0.50068	-0.00027	PASS
					20	1.37329	0.00074	PASS
					30	-2.18868	-0.00118	PASS
					40	-3.34740	-0.00181	PASS
					50	-1.31607	-0.00071	PASS
			MCH	VN	-30	-2.34604	-0.00125	PASS
					-20	-4.87804	-0.00259	PASS
					-10	-23.2315 1	-0.01236	PASS
					0	-3.21865	-0.00171	PASS
					10	-5.97954	-0.00318	PASS
					20	-3.08990	-0.00164	PASS
					30	-8.82626	-0.00469	PASS
					40	-8.29697	-0.00441	PASS
			HCH	VN	-30	0.87261	0.00046	PASS
					-20	4.04835	0.00212	PASS
					-10	-6.62327	-0.00347	PASS
					0	-0.44346	-0.00023	PASS
					10	-0.77248	-0.00040	PASS
					20	0.01431	0.00001	PASS
					30	-0.57220	-0.00030	PASS
		40			-1.28746	-0.00067	PASS	
		5	LCH	VN	-30	-4.06265	-0.00219	PASS
					-20	-5.29289	-0.00286	PASS
					-10	-1.60217	-0.00086	PASS
					0	-3.76225	-0.00203	PASS
					10	-2.84672	-0.00154	PASS
					20	-4.40597	-0.00238	PASS
					30	-1.68800	-0.00091	PASS
					40	-2.05994	-0.00111	PASS
					50	-1.14441	-0.00062	PASS
			MCH	VN	-30	0.31471	0.00017	PASS
					-20	-0.45776	-0.00024	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-1.24455	-0.00066	PASS		
					0	-4.03404	-0.00215	PASS		
					10	-1.63078	-0.00087	PASS		
					20	-2.51770	-0.00134	PASS		
					30	-2.01702	-0.00107	PASS		
					40	-3.44753	-0.00183	PASS		
					50	-5.49316	-0.00292	PASS		
			HCH	VN	-30	-1.25885	-0.00066	PASS		
					-20	-0.67234	-0.00035	PASS		
					-10	-1.85966	-0.00097	PASS		
					0	-6.02245	-0.00316	PASS		
					10	-2.83241	-0.00148	PASS		
					20	-2.64645	-0.00139	PASS		
					30	-2.57492	-0.00135	PASS		
			LCH	VN	-30	1.41621	0.00076	PASS		
					-20	-0.75817	-0.00041	PASS		
		-10			2.64645	0.00143	PASS			
		0			-0.38624	-0.00021	PASS			
		10			0.07153	0.00004	PASS			
		20			0.40054	0.00022	PASS			
		30			1.01566	0.00055	PASS			
		MCH	VN	40	5.55039	0.00299	PASS			
				50	-1.97411	-0.00106	PASS			
				-30	-5.63621	-0.00300	PASS			
				-20	1.05858	0.00056	PASS			
				-10	-2.05994	-0.00110	PASS			
				0	-1.73092	-0.00092	PASS			
				10	-4.56333	-0.00243	PASS			
		HCH	VN	20	-5.03540	-0.00268	PASS			
				30	-1.02997	-0.00055	PASS			
				40	-2.80380	-0.00149	PASS			
				50	-1.13010	-0.00060	PASS			
				-30	-0.14305	-0.00008	PASS			
				-20	-2.60353	-0.00137	PASS			
				-10	0.94414	0.00050	PASS			
				10	HCH	VN	0	0.41485	0.00022	PASS
							10	4.07696	0.00214	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					20	-1.21593	-0.00064	PASS		
					30	-2.61784	-0.00137	PASS		
					40	1.98841	0.00104	PASS		
					50	0.98705	0.00052	PASS		
		15	LCH	VN	-30	-1.33038	-0.00072	PASS		
					-20	0.70095	0.00038	PASS		
					-10	-3.16143	-0.00170	PASS		
					0	0.41485	0.00022	PASS		
					10	-2.80380	-0.00151	PASS		
					20	-5.20706	-0.00280	PASS		
					30	-1.23024	-0.00066	PASS		
					40	-1.98841	-0.00107	PASS		
					50	-1.91688	-0.00103	PASS		
					MCH	VN	-30	-2.54631	-0.00135	PASS
							-20	-1.95980	-0.00104	PASS
							-10	-3.43323	-0.00183	PASS
			0	-2.97546			-0.00158	PASS		
			10	-3.70503			-0.00197	PASS		
			20	-4.42028			-0.00235	PASS		
			HCH	VN	30	20.31326	0.01080	PASS		
					40	-5.57899	-0.00297	PASS		
					50	-2.83241	-0.00151	PASS		
					-30	19.99855	0.01051	PASS		
					-20	-1.73092	-0.00091	PASS		
					-10	-4.47750	-0.00235	PASS		
			20	LCH	VN	0	-4.79221	-0.00252	PASS	
						10	-4.24862	-0.00223	PASS	
						20	-2.87533	-0.00151	PASS	
		30				-4.33445	-0.00228	PASS		
		40				-1.80244	-0.00095	PASS		
		50				-3.66211	-0.00192	PASS		
		-30				9.84192	0.00529	PASS		
-20	-5.27859	-0.00284				PASS				
-10	11.83033	0.00636	PASS							
0	-3.81947	-0.00205	PASS							
10	2.48909	0.00134	PASS							
20	-5.99384	-0.00322	PASS							
30	-0.18597	-0.00010	PASS							
40	8.56876	0.00461	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
			MCH	VN	50	5.22137	0.00281	PASS	
					-30	-1.58787	-0.00084	PASS	
					-20	-3.30448	-0.00176	PASS	
					-10	-3.29018	-0.00175	PASS	
					0	-2.30312	-0.00123	PASS	
					10	-2.51770	-0.00134	PASS	
					20	-4.46320	-0.00237	PASS	
					30	-3.93391	-0.00209	PASS	
			40	-4.70638	-0.00250	PASS			
			50	-3.64780	-0.00194	PASS			
			HCH	VN	-30	-3.43323	-0.00181	PASS	
					-20	-2.58923	-0.00136	PASS	
					-10	-4.72069	-0.00248	PASS	
					0	-3.51906	-0.00185	PASS	
					10	0.20027	0.00011	PASS	
					20	-1.18732	-0.00062	PASS	
	30	-1.35899			-0.00072	PASS			
	40	-0.40054			-0.00021	PASS			
	50	-1.27316	-0.00067	PASS					
	LTE/TM2		1.4	LCH	VN	-30	13.53264	0.00731	PASS
						-20	0.52929	0.00029	PASS
						-10	-4.87804	-0.00264	PASS
						0	-5.46455	-0.00295	PASS
						10	25.13409	0.01358	PASS
						20	-6.27994	-0.00339	PASS
						30	-5.13554	-0.00277	PASS
						40	-4.39167	-0.00237	PASS
		50	0.24319	0.00013	PASS				
		MCH	VN	-30	-4.42028	-0.00235	PASS		
				-20	-11.7874 1	-0.00627	PASS		
				-10	-1.77383	-0.00094	PASS		
				0	-4.83513	-0.00257	PASS		
10				-4.74930	-0.00253	PASS			
20				-4.64916	-0.00247	PASS			
30				-113.840 10	-0.06055	PASS			
40	-12.7601 6			-0.00679	PASS				



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					50	-10.47134	-0.00557	PASS	
			HCH	VN	-30	-10.70023	-0.00560	PASS	
					-20	3.67641	0.00193	PASS	
					-10	-5.50747	-0.00288	PASS	
					0	-31.22807	-0.01636	PASS	
					10	1.50204	0.00079	PASS	
					20	0.48637	0.00025	PASS	
					30	6.72340	0.00352	PASS	
					40	0.40054	0.00021	PASS	
					50	-20.25604	-0.01061	PASS	
		3	LCH	VN	-30	4.79221	0.00259	PASS	
					-20	-1.81675	-0.00098	PASS	
					-10	-0.55790	-0.00030	PASS	
					0	-4.92096	-0.00266	PASS	
					10	-5.00679	-0.00270	PASS	
					20	-1.64509	-0.00089	PASS	
					30	-2.86102	-0.00155	PASS	
					40	-3.04699	-0.00165	PASS	
					50	-1.93119	-0.00104	PASS	
				MCH	VN	-30	-1.05858	-0.00056	PASS
						-20	-1.21593	-0.00065	PASS
						-10	16.37936	0.00871	PASS
						0	-5.86510	-0.00312	PASS
						10	-2.67506	-0.00142	PASS
						20	-2.98977	-0.00159	PASS
						30	-3.43323	-0.00183	PASS
						40	-6.99520	-0.00372	PASS
						50	-3.20435	-0.00170	PASS
				HCH	VN	-30	-3.00407	-0.00157	PASS
						-20	-3.14712	-0.00165	PASS
						-10	-7.05242	-0.00370	PASS
						0	-2.73228	-0.00143	PASS
						10	0.82970	0.00043	PASS
						20	-1.14441	-0.00060	PASS
			30			0.91553	0.00048	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-1.10149	-0.00058	PASS
					50	-9.31263	-0.00488	PASS
		5	LCH	VN	-30	-2.05994	-0.00111	PASS
					-20	-4.73499	-0.00256	PASS
					-10	-5.23567	-0.00283	PASS
					0	-1.34468	-0.00073	PASS
					10	-2.56062	-0.00138	PASS
					20	-2.51770	-0.00136	PASS
					30	-1.04427	-0.00056	PASS
					40	-5.23567	-0.00283	PASS
					50	-3.44753	-0.00186	PASS
					MCH	VN	-30	-6.89506
			-20	-5.95093			-0.00317	PASS
			-10	-1.58787			-0.00084	PASS
			0	-2.53200			-0.00135	PASS
			10	-0.47207			-0.00025	PASS
			20	-2.81811			-0.00150	PASS
			30	-1.30177			-0.00069	PASS
			40	-3.90530			-0.00208	PASS
			HCH	VN	-30	-2.61784	-0.00137	PASS
		-20			0.04292	0.00002	PASS	
		-10			-1.90258	-0.00100	PASS	
		0			-5.87940	-0.00308	PASS	
		10			-2.83241	-0.00148	PASS	
		20			-3.94821	-0.00207	PASS	
		30			-3.66211	-0.00192	PASS	
		40			-1.34468	-0.00070	PASS	
		10	LCH	VN	50	-1.65939	-0.00087	PASS
					-30	-1.84536	-0.00099	PASS
					-20	-2.37465	-0.00128	PASS
					-10	-1.61648	-0.00087	PASS
					0	0.05722	0.00003	PASS
10	-11.70158				-0.00631	PASS		
20	-1.34468				-0.00072	PASS		
30	-1.25885				-0.00068	PASS		
40	2.74658				0.00148	PASS		
50	0.37193				0.00020	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	-1.63078	-0.00087	PASS
					-20	-1.80244	-0.00096	PASS
					-10	-1.87397	-0.00100	PASS
					0	-4.09126	-0.00218	PASS
					10	-4.67777	-0.00249	PASS
					20	-2.53200	-0.00135	PASS
					30	-2.00272	-0.00107	PASS
					40	-2.16007	-0.00115	PASS
					50	-2.26021	-0.00120	PASS
			HCH	VN	-30	-0.15736	-0.00008	PASS
					-20	17.29488	0.00908	PASS
					-10	-1.24455	-0.00065	PASS
					0	-2.84672	-0.00149	PASS
					10	2.96116	0.00155	PASS
					20	-1.43051	-0.00075	PASS
					30	1.95980	0.00103	PASS
					40	-0.68665	-0.00036	PASS
					50	0.18597	0.00010	PASS
		15	LCH	VN	-30	-1.15871	-0.00062	PASS
					-20	-1.97411	-0.00106	PASS
					-10	0.24319	0.00013	PASS
					0	-2.37465	-0.00128	PASS
					10	-2.38895	-0.00129	PASS
					20	-2.60353	-0.00140	PASS
					30	-3.50475	-0.00189	PASS
					40	-2.43187	-0.00131	PASS
					50	-1.33038	-0.00072	PASS
			MCH	VN	-30	-3.39031	-0.00180	PASS
					-20	-2.97546	-2.97546	PASS
					-10	-3.73364	-0.00199	PASS
					0	-19.75536	-0.01051	PASS
					10	-1.71661	-0.00091	PASS
					20	-5.20706	-0.00277	PASS
					30	0.14305	0.00008	PASS
					40	-5.16415	-0.00275	PASS
					50	-1.48773	-0.00079	PASS
		HCH	VN	-30	3.00407	0.00158	PASS	
				-20	-3.49045	-0.00183	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-2.86102	-0.00150	PASS		
					0	-3.08990	-0.00162	PASS		
					10	-4.27723	-0.00225	PASS		
					20	-1.90258	-0.00100	PASS		
					30	-3.87669	-0.00204	PASS		
					40	-2.54631	-0.00134	PASS		
					50	0.15736	0.00008	PASS		
		20	LCH	VN	-30	-1.97411	-0.00106	PASS		
					-20	-1.17302	-0.00063	PASS		
					-10	1.25885	0.00068	PASS		
					0	1.71661	0.00092	PASS		
					10	-2.68936	-0.00145	PASS		
					20	-0.90122	-0.00048	PASS		
					30	1.97411	0.00106	PASS		
					40	2.47478	0.00133	PASS		
					50	-1.38760	-0.00075	PASS		
					MCH	VN	-30	-2.78950	-0.00148	PASS
							-20	-3.26157	-0.00173	PASS
							-10	-2.96116	-0.00158	PASS
							0	-4.63486	-0.00247	PASS
							10	-2.57492	-0.00137	PASS
							20	-3.67641	-0.00196	PASS
							30	-3.81947	-0.00203	PASS
					HCH	VN	-30	-1.14441	-0.00060	PASS
							-20	-1.48773	-0.00078	PASS
							-10	-1.53065	-0.00081	PASS
							0	-0.70095	-0.00037	PASS
							10	-0.44346	-0.00023	PASS
		20	-0.78678	-0.00041			PASS			
		30	0.08583	0.00005			PASS			
		40	-2.16007	-0.00114			PASS			
		50	-1.90258	-0.00100	PASS					

END