



6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0









6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0









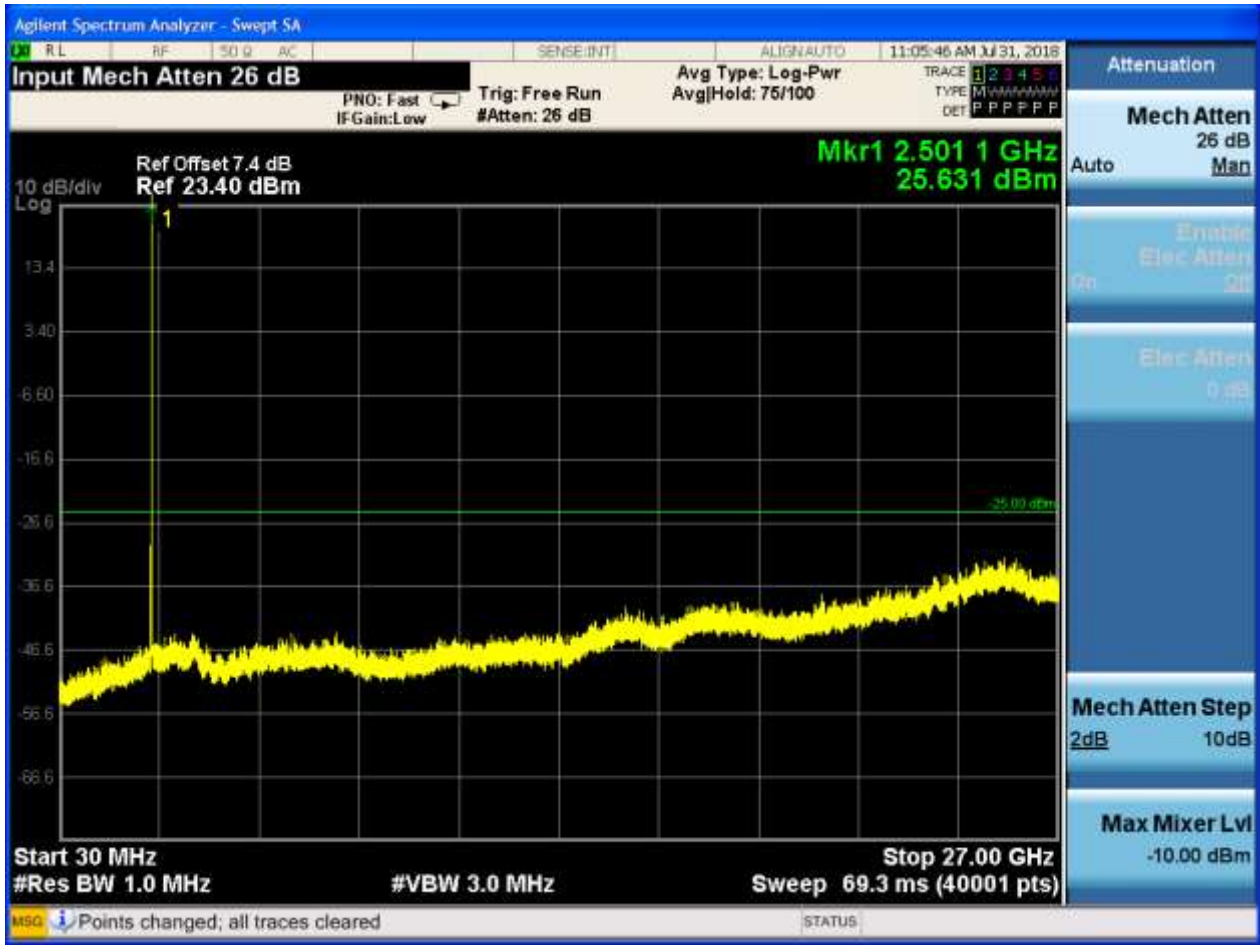
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0









6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0









6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0









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



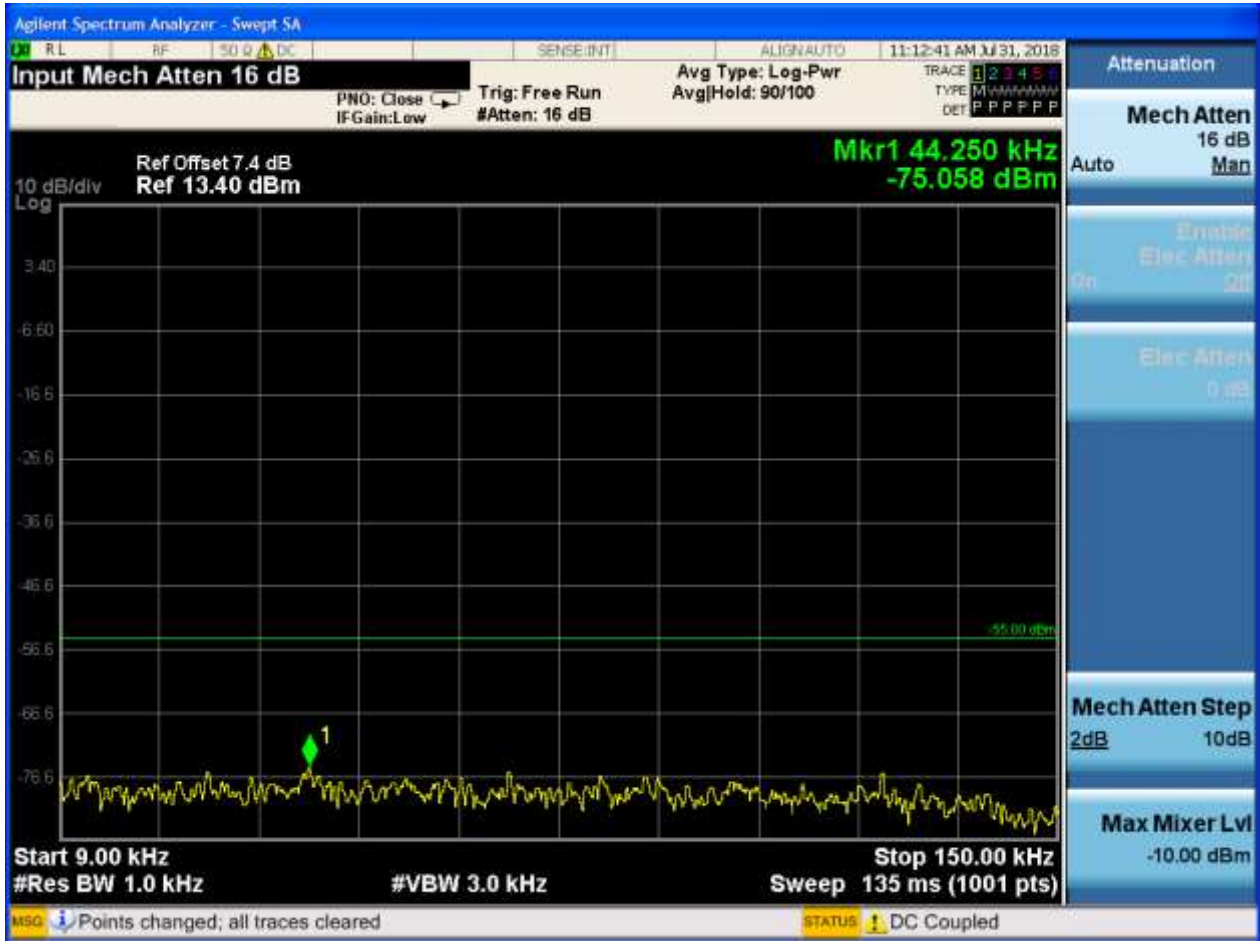






6.1.1.2.1.3 Test Channel = HCH

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





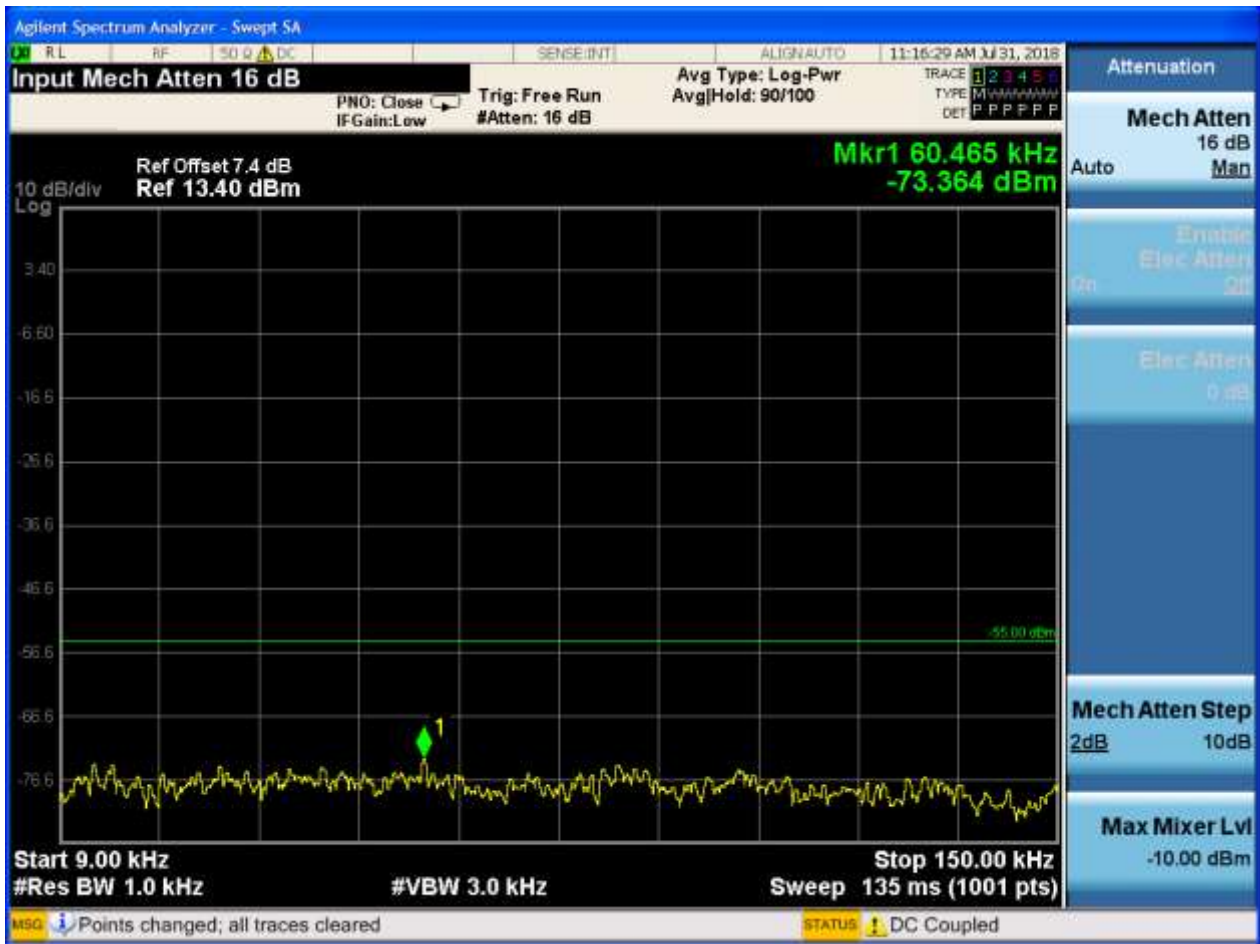




6.1.1.2.3 Test Bandwidth = 15

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, 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

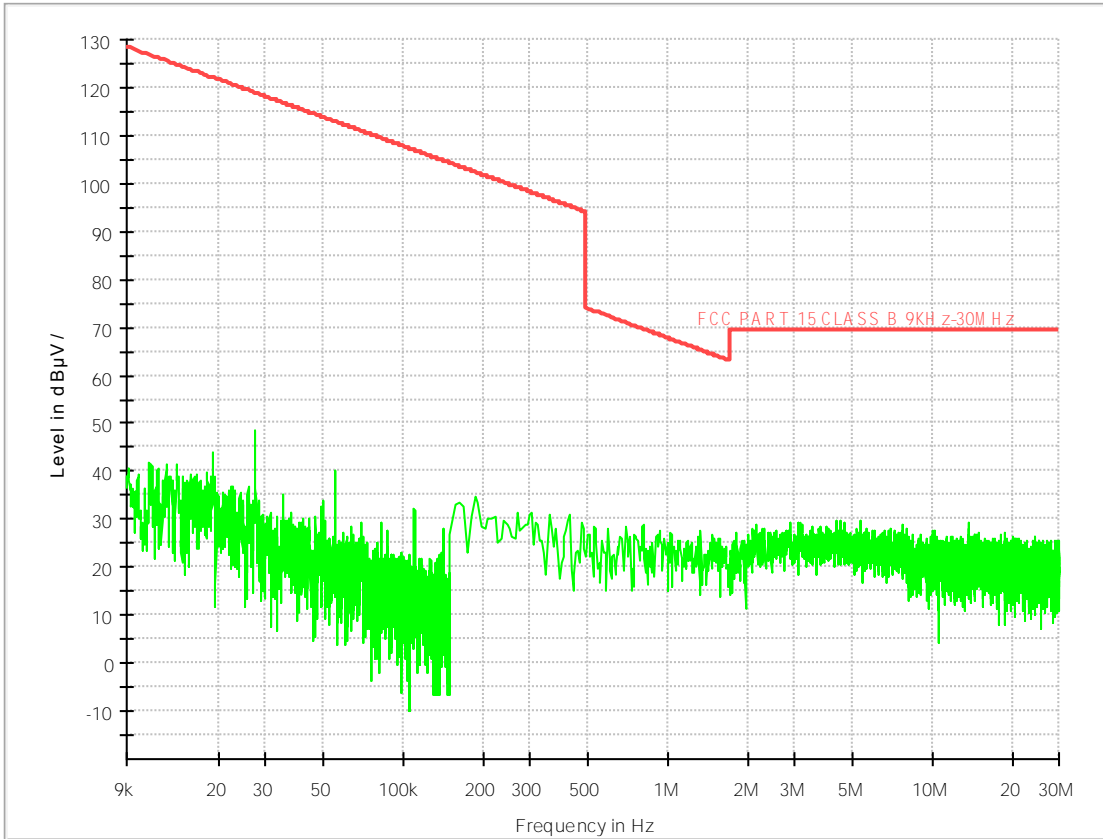
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

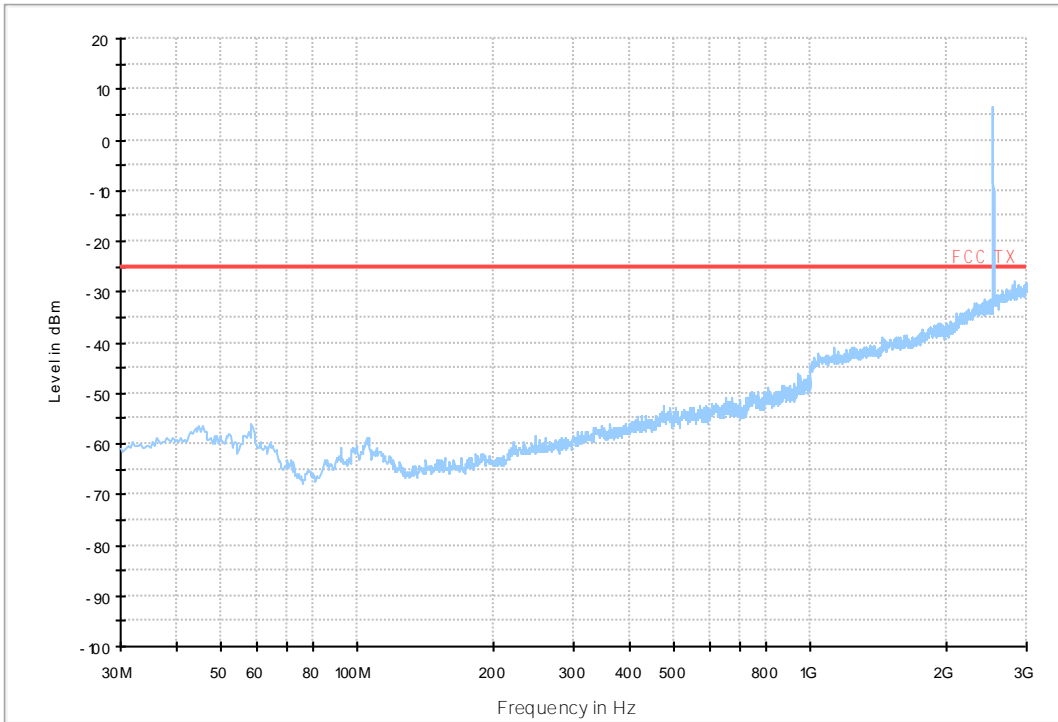
7.1 For LTE

7.1.1 Test Band = BAND7-Ant1

7.1.1.1 Test Bandwidth = 5

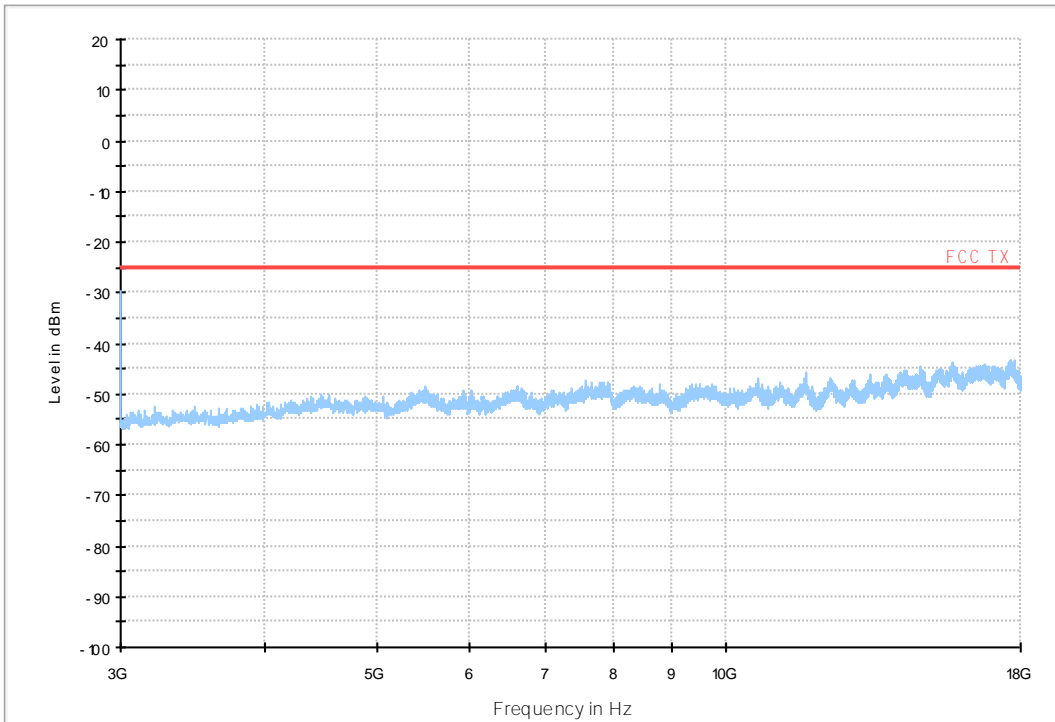


LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit

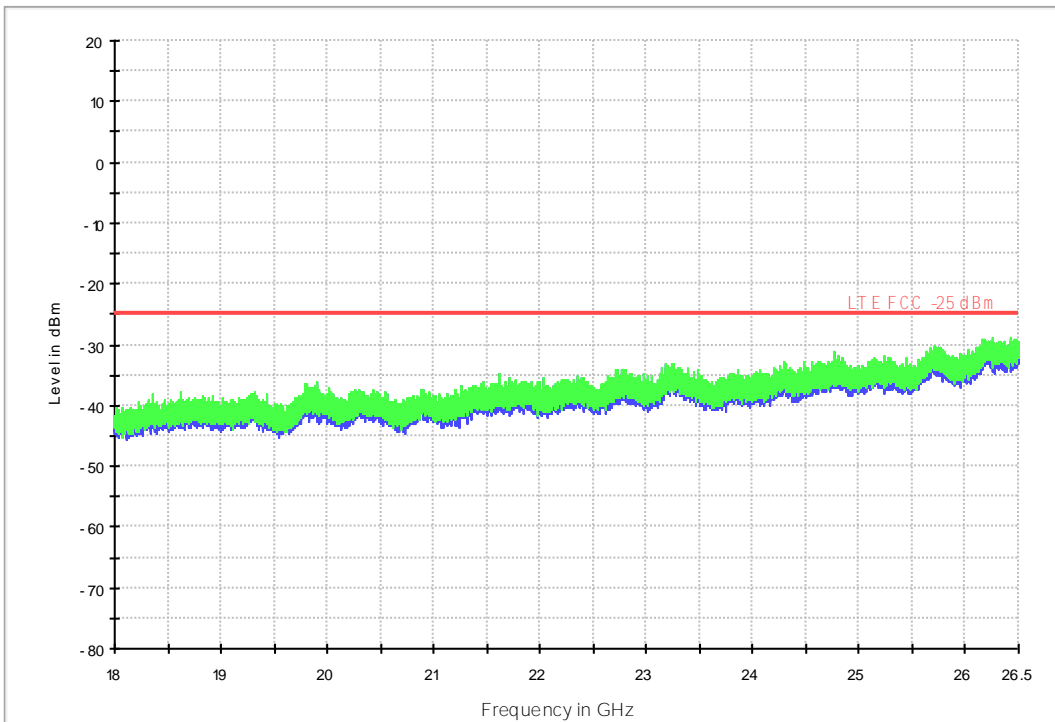




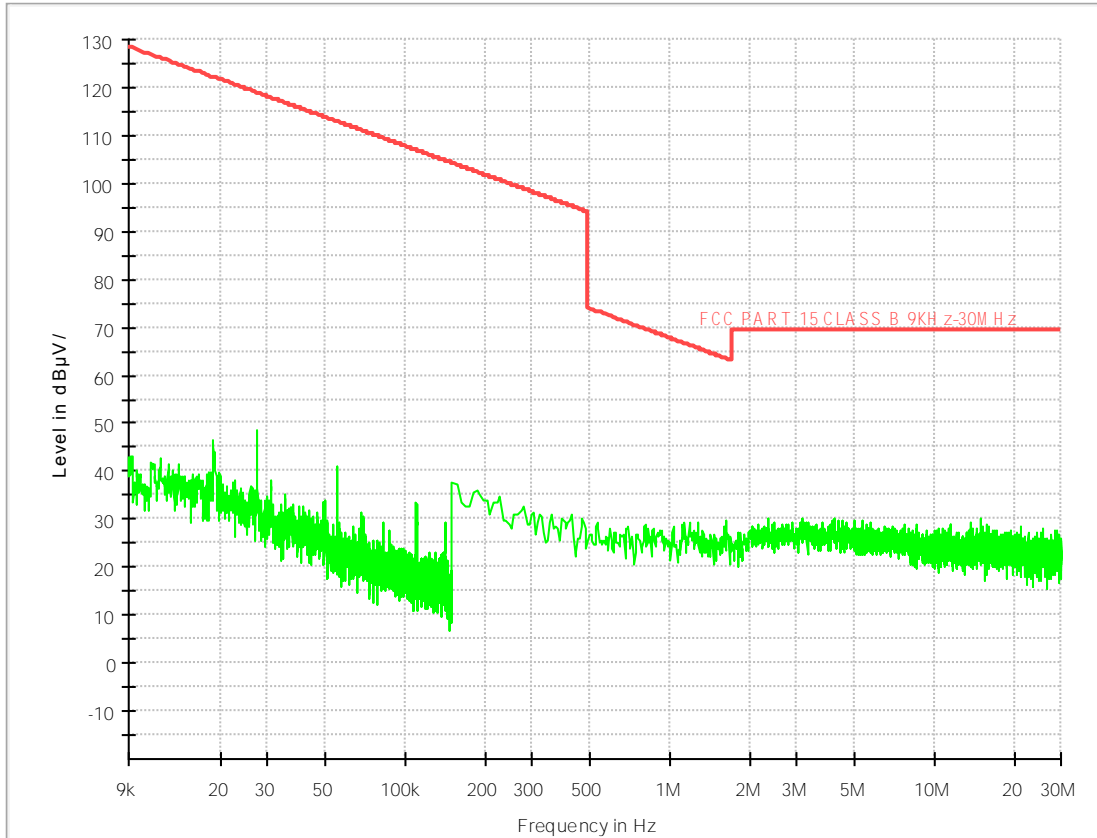
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



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

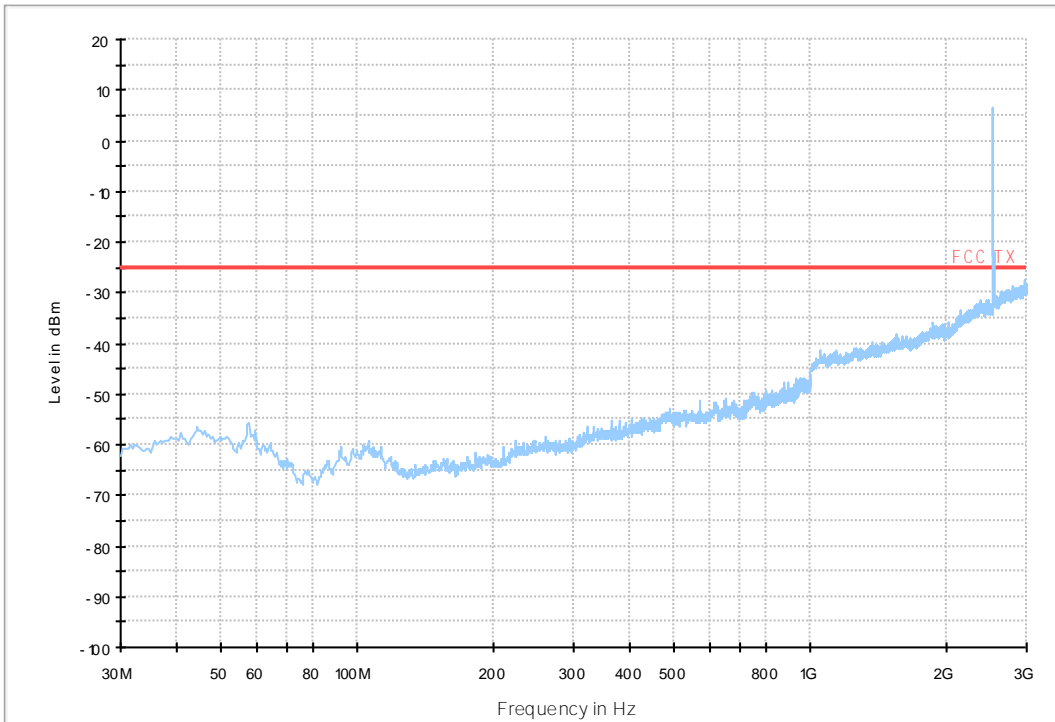


7.1.1.2 Test Bandwidth = 20

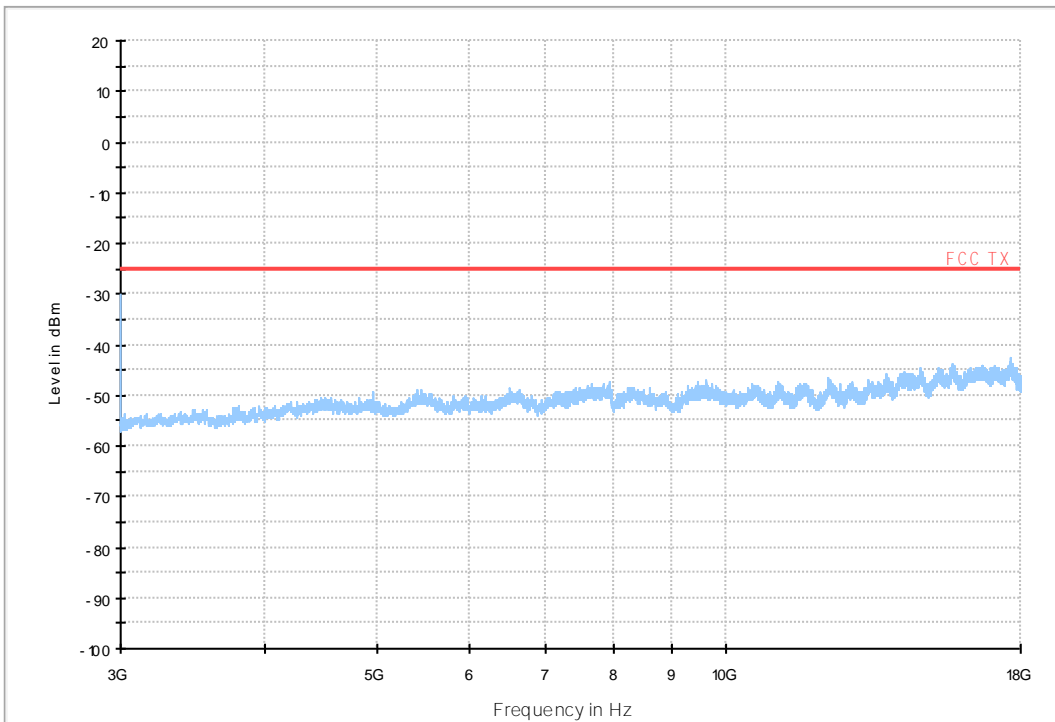




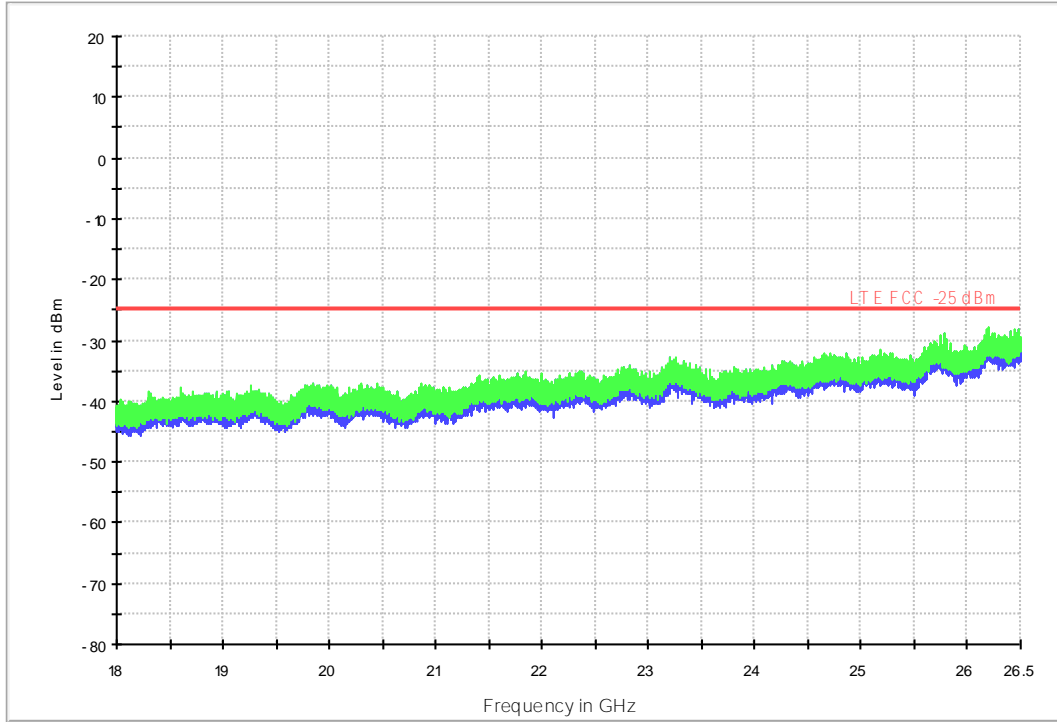
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



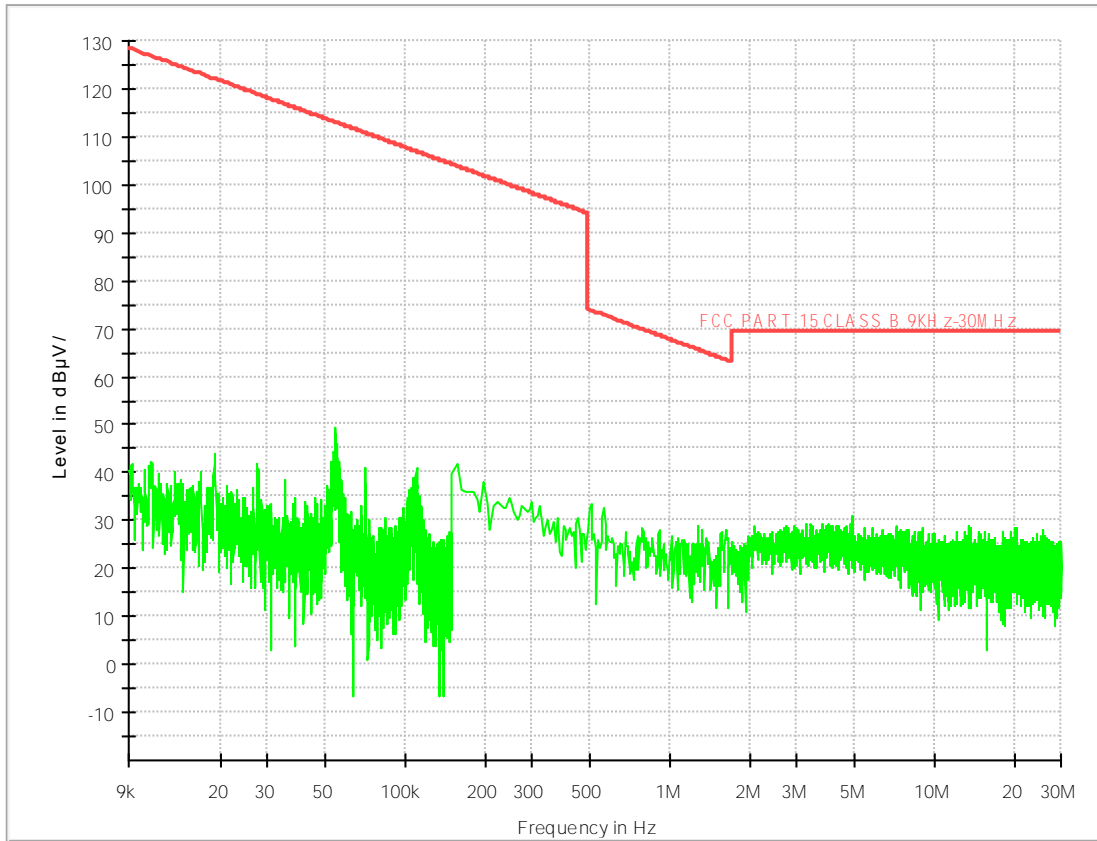
18G-26.5G RSE-TX-DIRECT OR ABOVE 1.5G PK



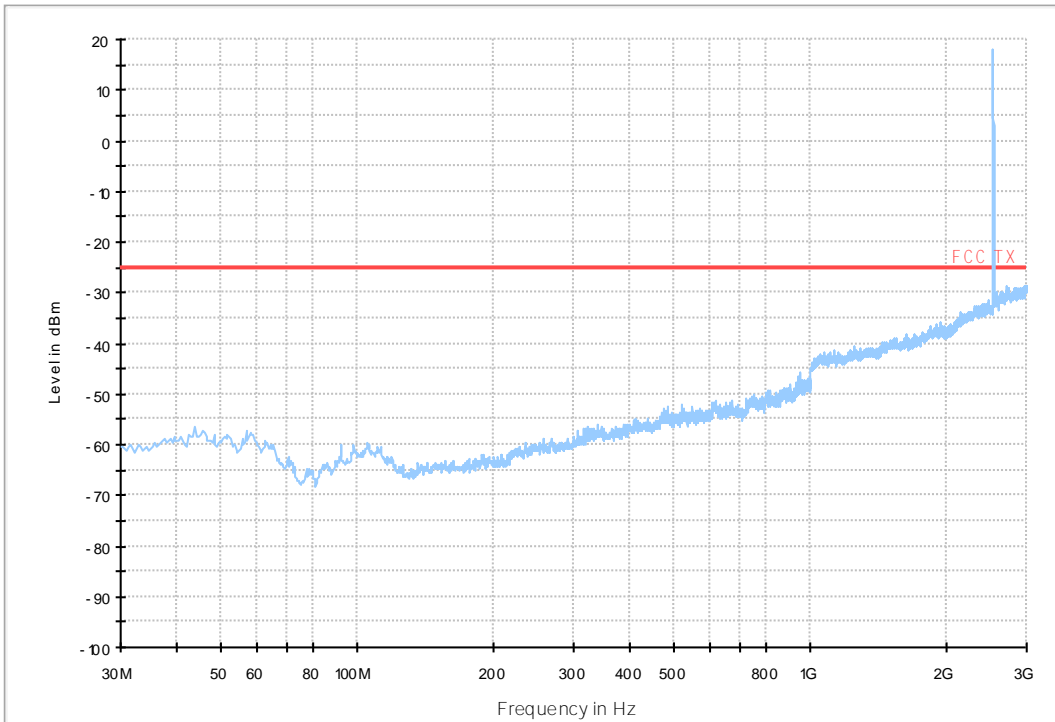


7.1.2 Test Band = BAND7-Ant2

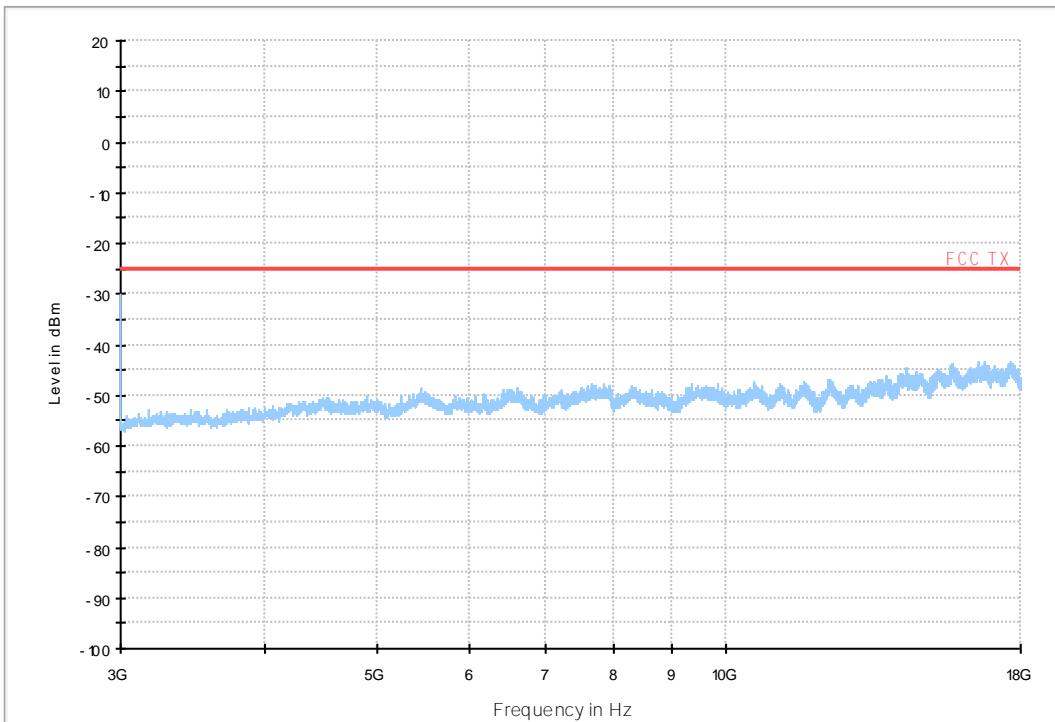
7.1.2.1 Test Bandwidth = 5



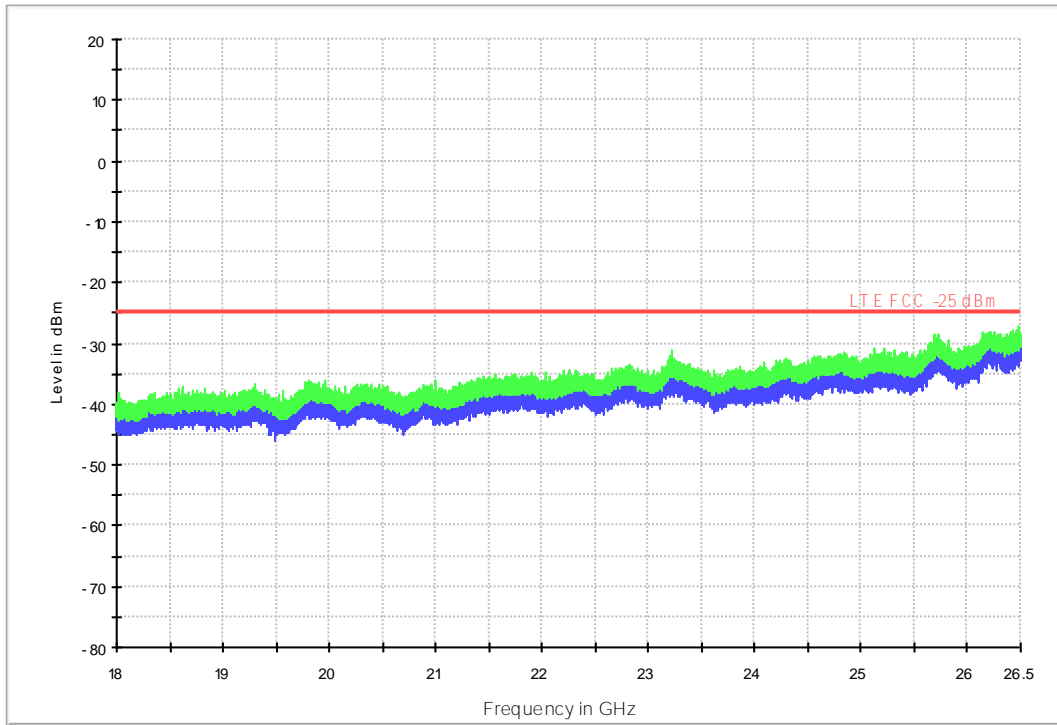
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



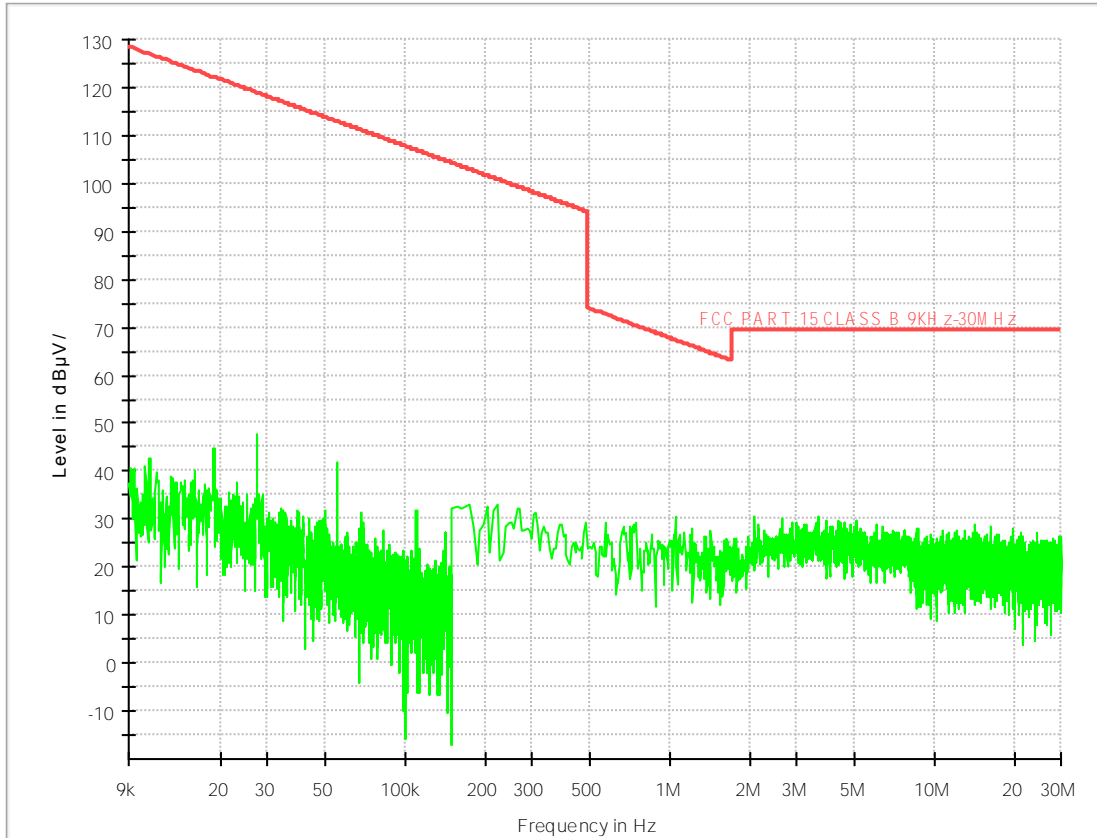
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



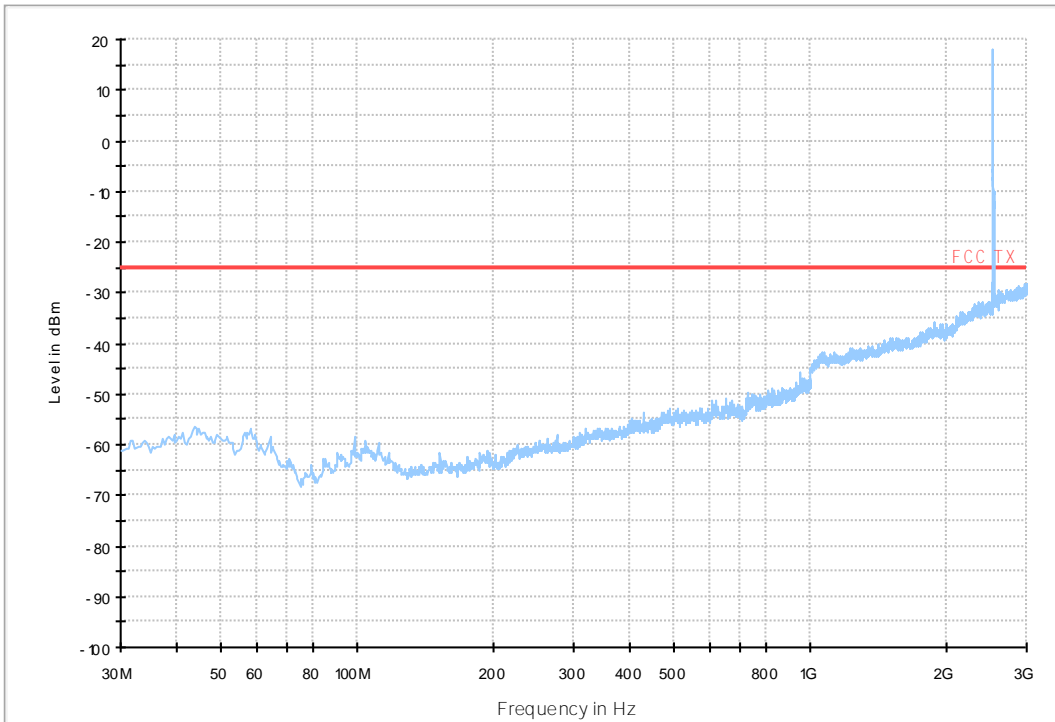
18G-26.5G RSE-TX-DIRECT OR ABOVE 1.5G PK



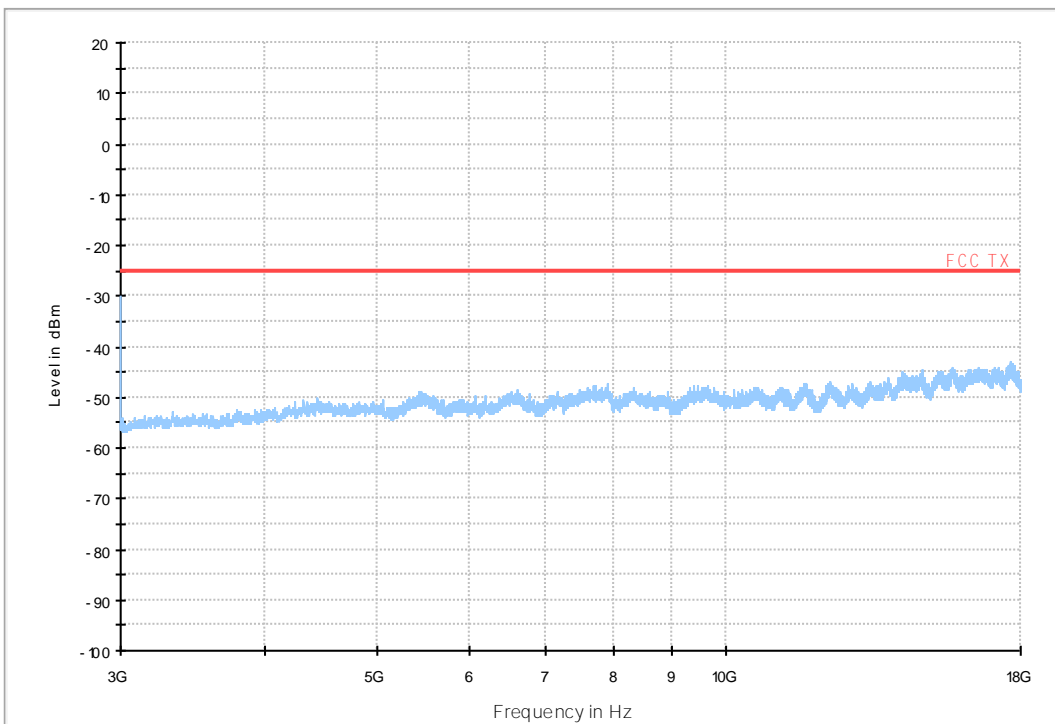
7.1.2.2 Test Bandwidth = 20



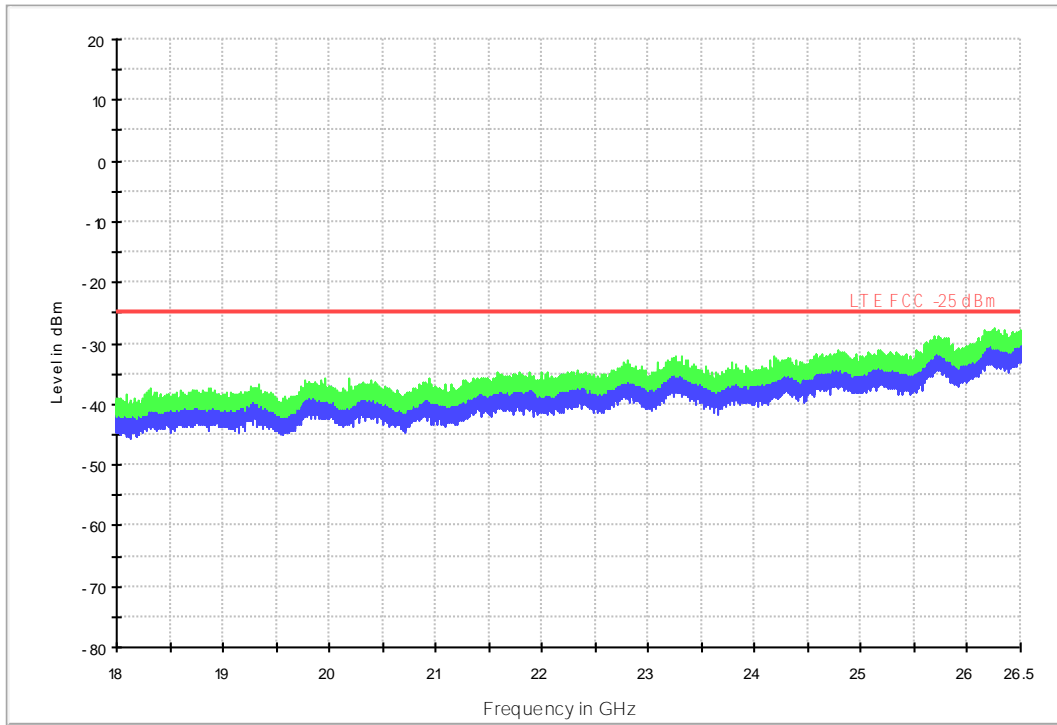
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G-26.5G RSE-TX-DIRECT OR 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
BAND7	LTE/TM1	5	LCH	TN	VL	-8.17	-0.00326	PASS
					VN	-16.99	-0.00679	PASS
					VH	-16.01	-0.0064	PASS
			MCH	TN	VL	6.57	0.00259	PASS
					VN	0.92	0.00036	PASS
					VH	-0.01	0	PASS
			HCH	TN	VL	0.89	0.00035	PASS
					VN	0.41	0.00016	PASS
					VH	1.12	0.00044	PASS
		10	LCH	TN	VL	-12.10	-0.00483	PASS
					VN	-4.95	-0.00198	PASS
					VH	3.25	0.0013	PASS
			MCH	TN	VL	3.93	0.00155	PASS
					VN	5.75	0.00227	PASS
					VH	-1.60	-0.00063	PASS
			HCH	TN	VL	-2.99	-0.00117	PASS
					VN	4.49	0.00175	PASS
					VH	1.89	0.00074	PASS
		15	LCH	TN	VL	-2.49	-0.00099	PASS
					VN	-9.83	-0.00392	PASS
					VH	-4.82	-0.00192	PASS
			MCH	TN	VL	4.73	0.00187	PASS
					VN	1.14	0.00045	PASS
					VH	2.68	0.00106	PASS
			HCH	TN	VL	5.25	0.00205	PASS
					VN	-1.09	-0.00043	PASS
					VH	3.75	0.00146	PASS
		20	LCH	TN	VL	-5.72	-0.00228	PASS
					VN	-2.33	-0.00093	PASS
					VH	-4.96	-0.00198	PASS
					MCH	TN	VL	-0.90



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-0.20	-0.00008	PASS
					VH	-1.10	-0.00043	PASS
					VL	3.39	0.00132	PASS
			VN	2.55	0.001	PASS		
			VH	2.03	0.00079	PASS		
			VL	-13.07	-0.00522	PASS		
		5	LCH	TN	VN	-11.56	-0.00462	PASS
					VH	-20.50	-0.00819	PASS
					VL	-5.82	-0.0023	PASS
			MCH	TN	VN	7.32	0.00289	PASS
					VH	1.72	0.00068	PASS
					VL	5.49	0.00214	PASS
	10	HCH	TN	VN	0.84	0.00033	PASS	
				VH	1.04	0.00041	PASS	
				VL	4.22	0.00168	PASS	
		LCH	TN	VN	3.09	0.00123	PASS	
				VH	1.06	0.00042	PASS	
				VL	-3.28	-0.00129	PASS	
	15	MCH	TN	VN	1.36	0.00054	PASS	
				VH	-2.89	-0.00114	PASS	
				VL	1.72	0.00067	PASS	
		HCH	TN	VN	-2.15	-0.00084	PASS	
				VH	8.61	0.00336	PASS	
				VL	2.68	0.00107	PASS	
	20	LCH	TN	VN	2.19	0.00087	PASS	
				VH	0.93	0.00037	PASS	
				VL	-4.05	-0.0016	PASS	
		MCH	TN	VN	1.83	0.00072	PASS	
				VH	2.82	0.00111	PASS	
				VL	-1.07	-0.00042	PASS	
	LTE/TM2	HCH	TN	VN	-0.17	-0.00007	PASS	
				VH	0.86	0.00034	PASS	
				VL	2.60	0.00104	PASS	
		LCH	TN	VN	-3.16	-0.00126	PASS	
				VH	-0.96	-0.00038	PASS	
				VL	-3.03	-0.0012	PASS	
	MCH	TN	VN	2.03	0.0008	PASS		
			VH	-1.29	-0.00051	PASS		
			VL	0.60	0.00023	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.32	0.00052	PASS
					VH	-0.36	-0.00014	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	6.18	0.00247	PASS
					-20	-3.68	-0.00147	PASS
					-10	7.67	0.00306	PASS
					0	5.56	0.00222	PASS
					10	-5.18	-0.00207	PASS
					20	3.09	0.00123	PASS
					30	-6.15	-0.00246	PASS
					40	1.13	0.00045	PASS
					50	8.77	0.0035	PASS
			MCH	VN	-30	4.71	0.00186	PASS
					-20	-4.26	-0.00168	PASS
					-10	5.98	0.00236	PASS
					0	2.95	0.00116	PASS
					10	3.00	0.00118	PASS
					20	-3.18	-0.00125	PASS
					30	-0.01	0	PASS
					40	0.40	0.00016	PASS
					50	4.63	0.00183	PASS
		HCH	VN	-30	0.36	0.00014	PASS	
				-20	1.89	0.00074	PASS	
				-10	0.47	0.00018	PASS	
				0	1.16	0.00045	PASS	
				10	0.49	0.00019	PASS	
				20	1.10	0.00043	PASS	
				30	0.89	0.00035	PASS	
				40	1.50	0.00058	PASS	
				50	4.53	0.00176	PASS	
		10	LCH	VN	-30	-12.63	-0.00504	PASS
-20	-3.56				-0.00142	PASS		
-10	-11.19				-0.00447	PASS		
0	-2.46				-0.00098	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-10.86	-0.00434	PASS			
					20	-13.98	-0.00558	PASS			
					30	-7.25	-0.00289	PASS			
					40	-5.18	-0.00207	PASS			
					50	-10.24	-0.00409	PASS			
			MCH	VN	-30	-0.67	-0.00026	PASS			
					-20	2.65	0.00105	PASS			
					-10	3.85	0.00152	PASS			
					0	1.80	0.00071	PASS			
					10	3.12	0.00123	PASS			
					20	4.16	0.00164	PASS			
					30	5.76	0.00227	PASS			
			HCH	VN	-30	1.49	0.00058	PASS			
					-20	5.88	0.00229	PASS			
					-10	0.83	0.00032	PASS			
					0	7.02	0.00274	PASS			
					10	-1.07	-0.00042	PASS			
					20	5.51	0.00215	PASS			
					30	7.20	0.00281	PASS			
			15			LCH	VN	-30	-19.28	-0.00769	PASS
								-20	-10.63	-0.00424	PASS
		-10						-7.31	-0.00292	PASS	
		0						-2.19	-0.00087	PASS	
		10						-11.77	-0.00469	PASS	
		20						-10.99	-0.00438	PASS	
					MCH	VN	-30	0.93	0.00037	PASS	
							-20	-1.27	-0.0005	PASS	
							-10	2.32	0.00092	PASS	
							0	1.19	0.00047	PASS	
							10	-0.79	-0.00031	PASS	
							20	0.54	0.00021	PASS	
		30	-0.46	-0.00018	PASS						



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	2.26	0.00089	PASS		
					50	3.20	0.00126	PASS		
			HCH	VN	-30	-4.95	-0.00193	PASS		
					-20	-5.68	-0.00222	PASS		
					-10	-1.00	-0.00039	PASS		
					0	1.59	0.00062	PASS		
					10	1.17	0.00046	PASS		
					20	-5.56	-0.00217	PASS		
					30	-1.92	-0.00075	PASS		
					40	-0.43	-0.00017	PASS		
		50	-5.16	-0.00201	PASS					
					LCH	VN	-30	-3.32	-0.00132	PASS
							-20	-1.54	-0.00061	PASS
							-10	-1.10	-0.00044	PASS
							0	-10.19	-0.00406	PASS
							10	-3.62	-0.00144	PASS
							20	-2.85	-0.00114	PASS
							30	-1.65	-0.00066	PASS
							40	-9.40	-0.00375	PASS
							50	-8.37	-0.00333	PASS
										MCH
		-20	-0.99	-0.00039	PASS					
		-10	-3.58	-0.00141	PASS					
		0	2.82	0.00111	PASS					
		10	-2.90	-0.00114	PASS					
		20	0.54	0.00021	PASS					
		30	1.72	0.00068	PASS					
		40	4.42	0.00174	PASS					
		50	-2.63	-0.00104	PASS					
					HCH	VN				
							-20	2.98	0.00116	PASS
							-10	4.66	0.00182	PASS
							0	3.73	0.00146	PASS
							10	3.22	0.00126	PASS
							20	1.16	0.00045	PASS
							30	-0.73	-0.00029	PASS
							40	1.90	0.00074	PASS
		50	1.03	0.0004	PASS					
		LTE/TM2	5	LCH	VN	-30	-13.95	-0.00557	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-13.25	-0.00529	PASS	
					-10	-16.05	-0.00641	PASS	
					0	-21.44	-0.00857	PASS	
					10	-13.59	-0.00543	PASS	
					20	-23.10	-0.00923	PASS	
					30	-10.94	-0.00437	PASS	
					40	-11.83	-0.00473	PASS	
					50	-21.66	-0.00866	PASS	
			MCH	VN	-30	-0.60	-0.00024	PASS	
					-20	0.74	0.00029	PASS	
					-10	0.24	0.00009	PASS	
					0	4.23	0.00167	PASS	
					10	3.06	0.00121	PASS	
					20	-1.79	-0.00071	PASS	
					30	-0.11	-0.00004	PASS	
					40	2.25	0.00089	PASS	
			HCH	VN	-30	1.93	0.00075	PASS	
					-20	1.32	0.00051	PASS	
					-10	1.30	0.00051	PASS	
					0	0.59	0.00023	PASS	
					10	1.70	0.00066	PASS	
					20	0.36	0.00014	PASS	
					30	-0.23	-0.00009	PASS	
					40	0.87	0.00034	PASS	
			10	LCH	VN	-30	-3.85	-0.00154	PASS
						-20	-5.08	-0.00203	PASS
						-10	-12.22	-0.00488	PASS
						0	-5.48	-0.00219	PASS
		10				-3.26	-0.0013	PASS	
		20				-10.57	-0.00422	PASS	
		30				-7.97	-0.00318	PASS	
		40				-9.36	-0.00374	PASS	
		50		-7.12	-0.00284	PASS			
		MCH		VN	-30	-2.68	-0.00106	PASS	
					-20	-1.44	-0.00057	PASS	
					-10	-7.67	-0.00303	PASS	
			0		-0.80	-0.00032	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-3.75	-0.00148	PASS
					20	-0.43	-0.00017	PASS
					30	3.49	0.00138	PASS
					40	7.50	0.00296	PASS
					50	1.47	0.00058	PASS
			HCH	VN	-30	-0.30	-0.00012	PASS
					-20	4.89	0.00191	PASS
					-10	-2.63	-0.00103	PASS
					0	3.76	0.00147	PASS
					10	-1.52	-0.00059	PASS
					20	0.82	0.00032	PASS
					30	-0.76	-0.0003	PASS
					40	-0.63	-0.00025	PASS
					50	1.56	0.00061	PASS
					LCH	VN	-30	-10.49
		-20	-12.33	-0.00492			PASS	
		-10	-14.08	-0.00562			PASS	
		0	-13.65	-0.00544			PASS	
		10	-9.68	-0.00386			PASS	
		20	-7.37	-0.00294			PASS	
		30	-9.07	-0.00362			PASS	
		40	-17.09	-0.00682			PASS	
		MCH	VN	50	-6.91	-0.00276	PASS	
				-30	2.82	0.00111	PASS	
				-20	-6.09	-0.0024	PASS	
				-10	0.16	0.00006	PASS	
				0	1.32	0.00052	PASS	
				10	-2.20	-0.00087	PASS	
				20	2.66	0.00105	PASS	
				30	1.20	0.00047	PASS	
		HCH	VN	40	-1.87	-0.00074	PASS	
				50	-1.65	-0.00065	PASS	
				-30	-1.57	-0.00061	PASS	
-20	-0.06			-0.00002	PASS			
-10	1.14			0.00044	PASS			
0	2.07			0.00081	PASS			
10	4.28			0.00167	PASS			
20	0.34	0.00013	PASS					
30	0.84	0.00033	PASS					
15					-30	-10.49	-0.00418	PASS
					-20	-12.33	-0.00492	PASS
					-10	-14.08	-0.00562	PASS
					0	-13.65	-0.00544	PASS
					10	-9.68	-0.00386	PASS
					20	-7.37	-0.00294	PASS
		LCH	VN	30	-9.07	-0.00362	PASS	
				40	-17.09	-0.00682	PASS	
				50	-6.91	-0.00276	PASS	
				-30	2.82	0.00111	PASS	
				-20	-6.09	-0.0024	PASS	
				-10	0.16	0.00006	PASS	
MCH	VN	0	1.32	0.00052	PASS			
		10	-2.20	-0.00087	PASS			
		20	2.66	0.00105	PASS			
		30	1.20	0.00047	PASS			
		40	-1.87	-0.00074	PASS			
		50	-1.65	-0.00065	PASS			
HCH	VN	-30	-1.57	-0.00061	PASS			
		-20	-0.06	-0.00002	PASS			
		-10	1.14	0.00044	PASS			
		0	2.07	0.00081	PASS			
		10	4.28	0.00167	PASS			
		20	0.34	0.00013	PASS			
30	0.84	0.00033	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	2.75	0.00107	PASS	
					50	1.95	0.00076	PASS	
		20	LCH	VN	-30	-8.15	-0.00325	PASS	
					-20	-15.62	-0.00622	PASS	
					-10	-14.76	-0.00588	PASS	
					0	-18.22	-0.00726	PASS	
					10	-5.26	-0.0021	PASS	
					20	-4.35	-0.00173	PASS	
					30	-11.56	-0.00461	PASS	
					40	-3.39	-0.00135	PASS	
					50	-9.40	-0.00375	PASS	
						MCH	VN	-30	0.06
			-20	1.77	0.0007			PASS	
			-10	-2.62	-0.00103			PASS	
			0	-1.39	-0.00055			PASS	
			10	-0.56	-0.00022			PASS	
			20	3.85	0.00152			PASS	
			30	0.26	0.0001			PASS	
			40	2.07	0.00082			PASS	
				HCH	VN	50	-2.09	-0.00082	PASS
			-30			2.50	0.00098	PASS	
			-20			-0.31	-0.00012	PASS	
			-10			5.62	0.0022	PASS	
			0			-1.12	-0.00044	PASS	
			10			2.88	0.00112	PASS	
			20			3.16	0.00123	PASS	
		30	-0.29			-0.00011	PASS		
		40	-0.72	-0.00028	PASS				
					50	0.19	0.00007	PASS	

END