



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 Test Channel = MCH

6.1.1.2.2.1 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

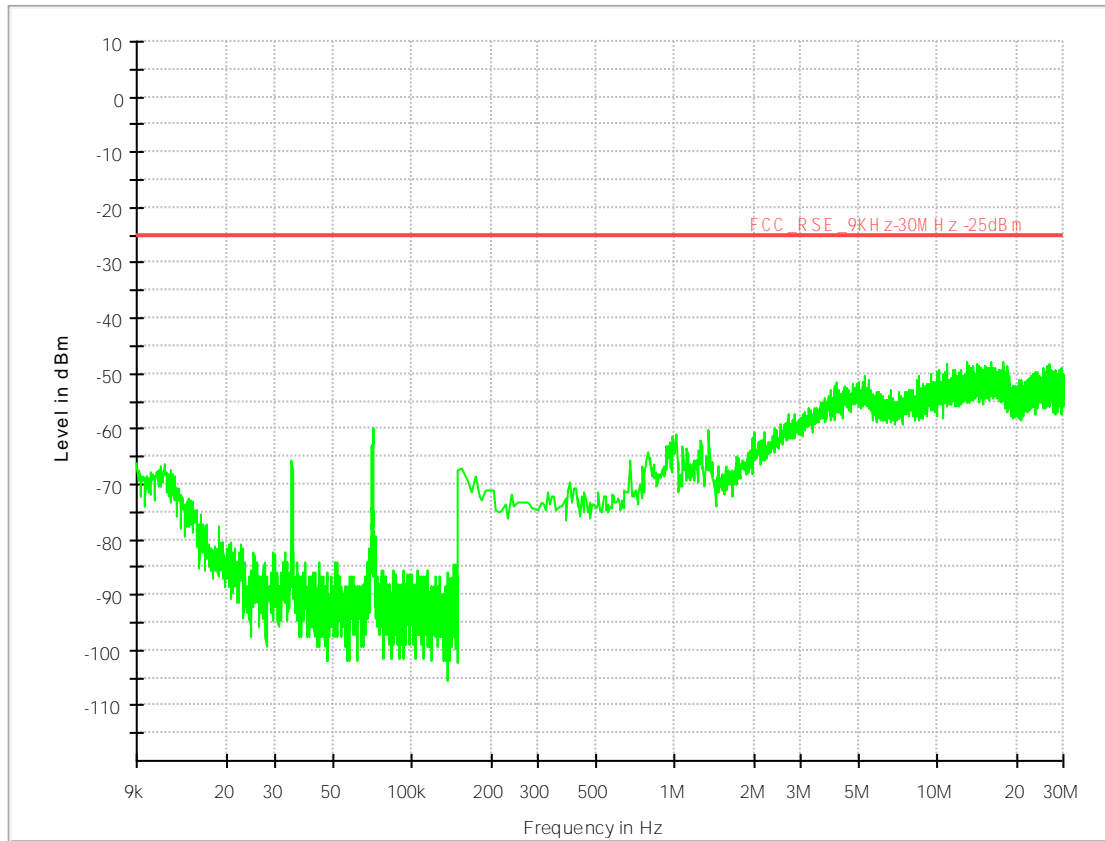
Part I - Test Plots

7.1 For LTE

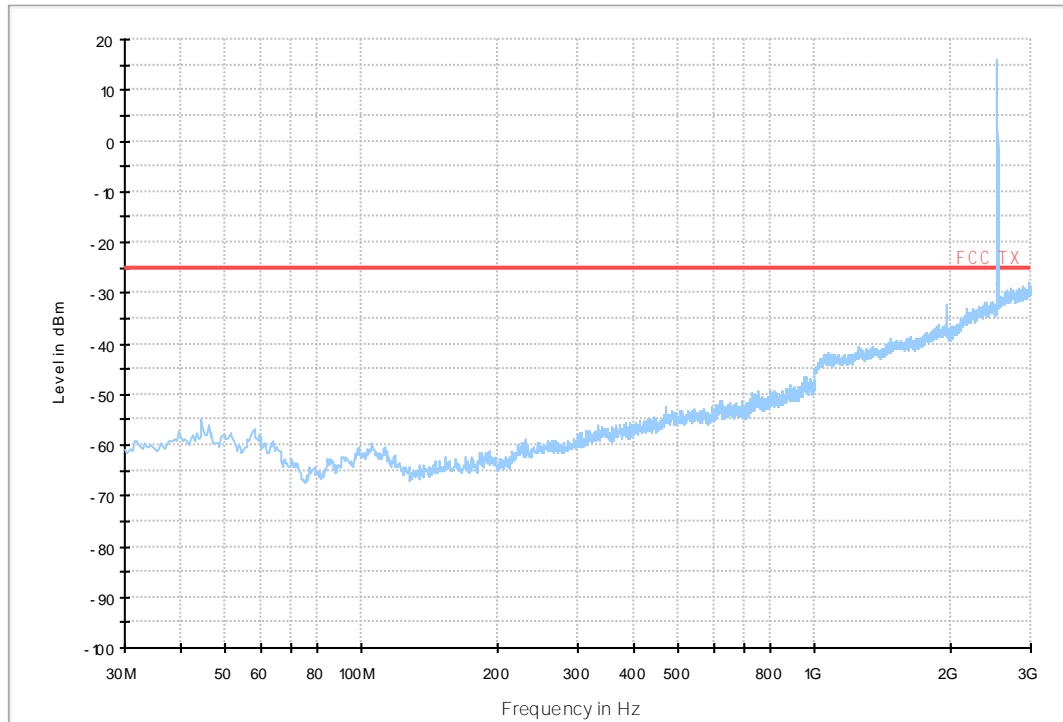
7.1.1 Test Band = Band7

7.1.1.1 Test Bandwidth = 5

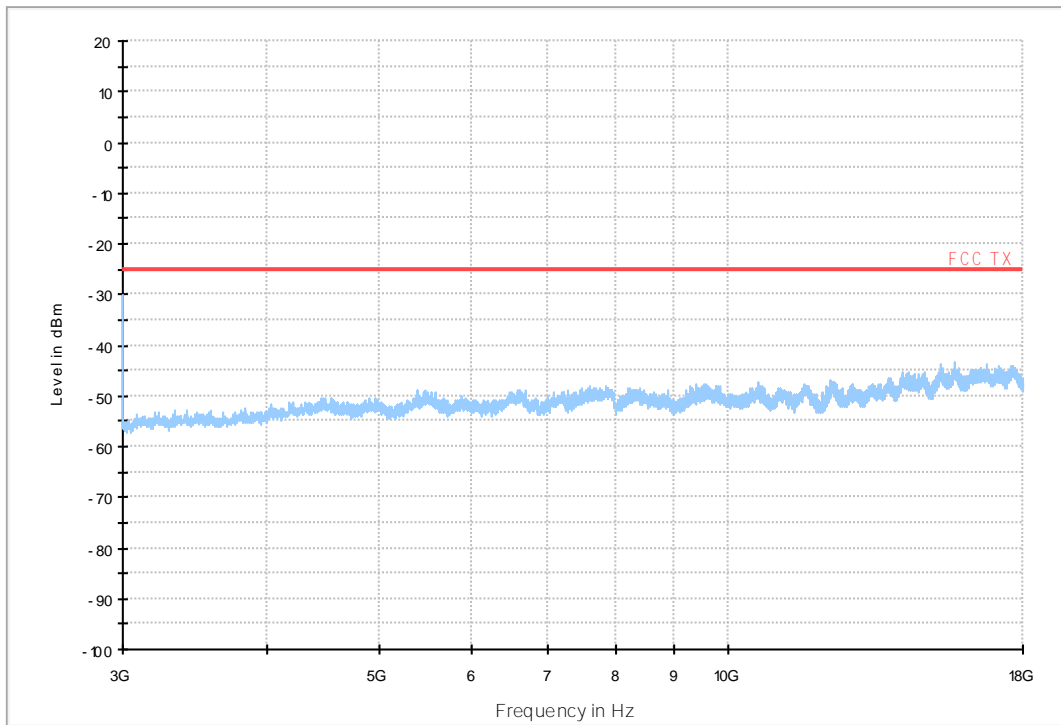
Band7/TM1_Ant1



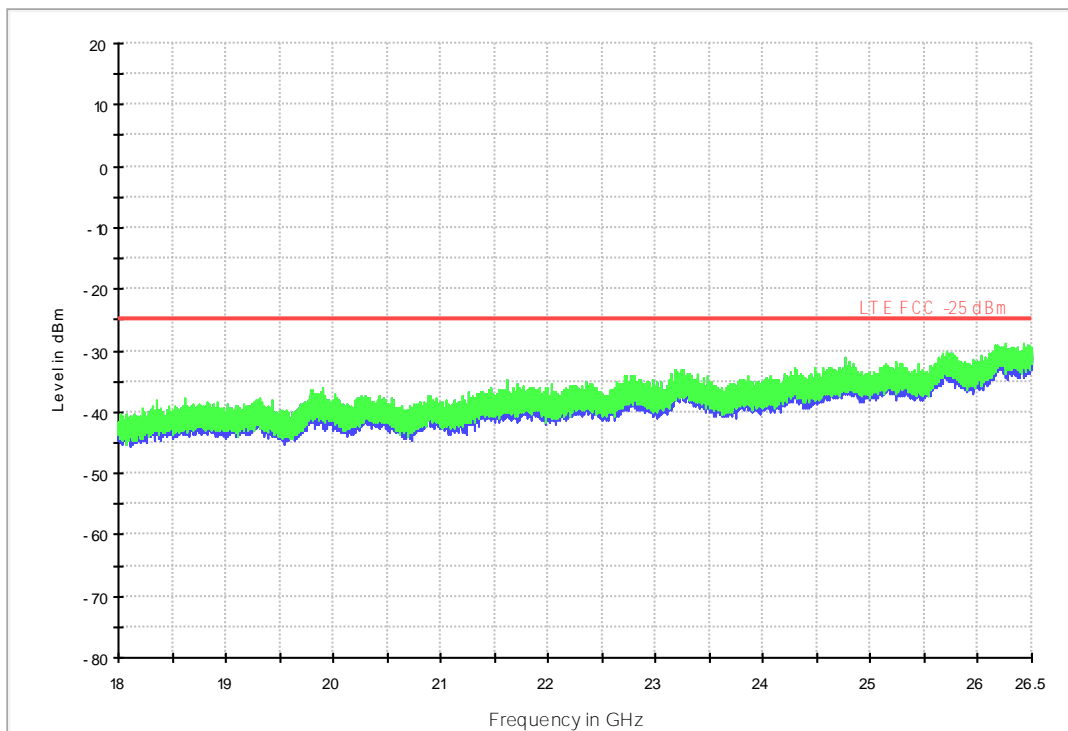
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



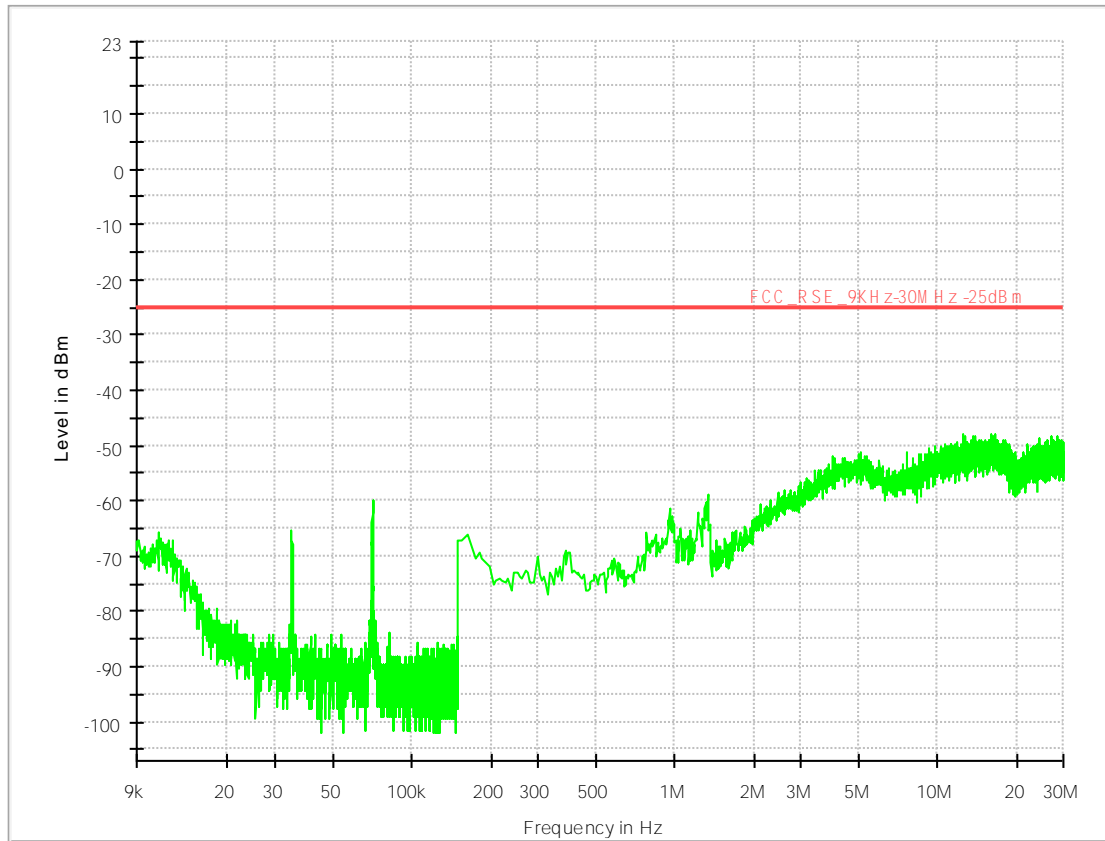
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



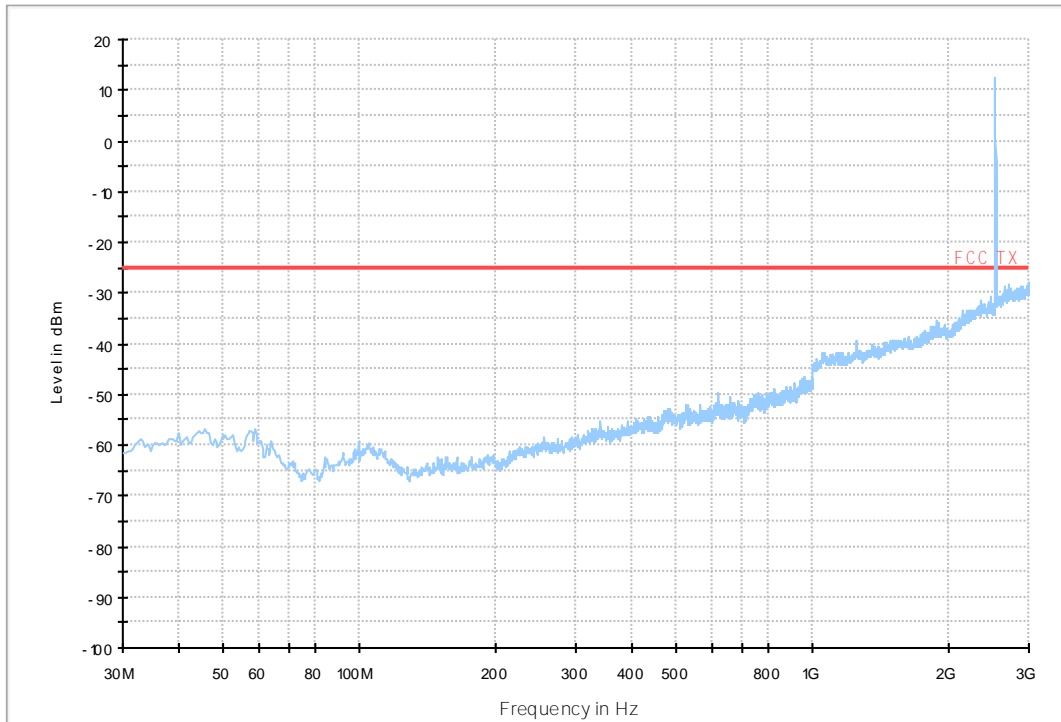
18G~ 26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



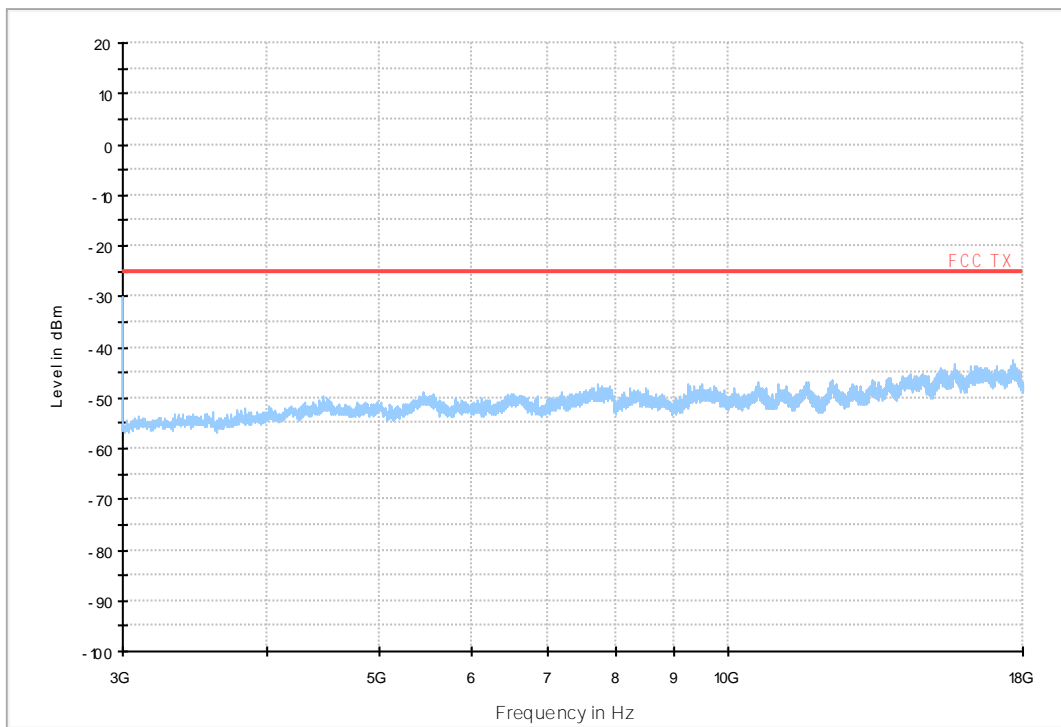
Band7/TM1_Ant2



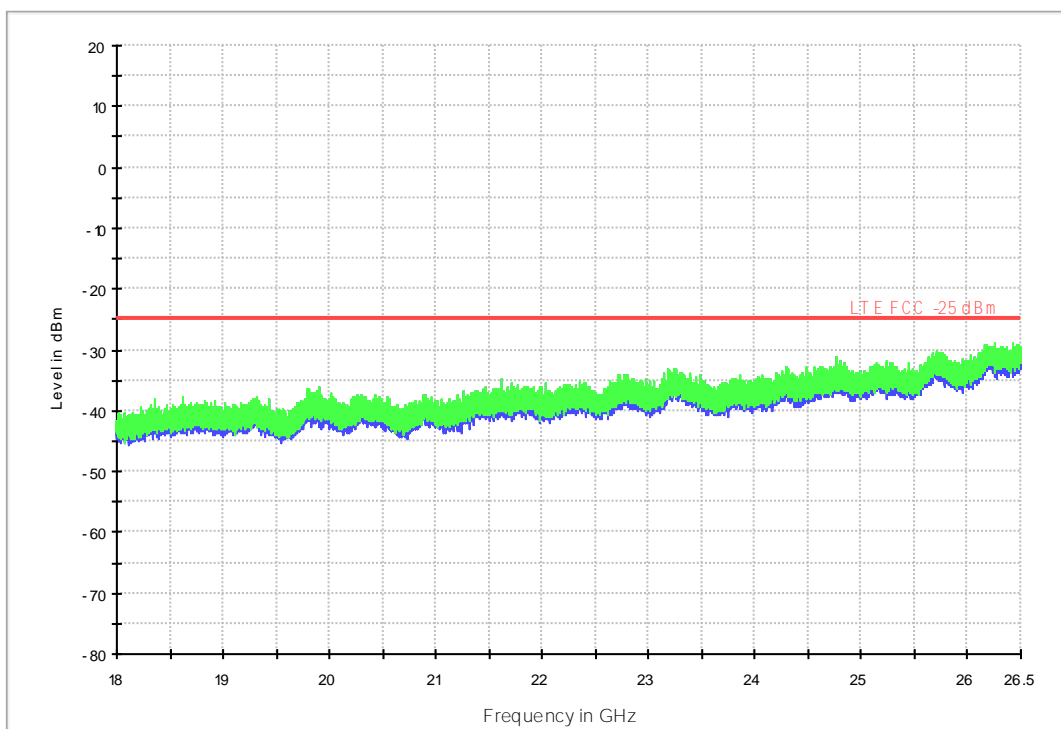
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



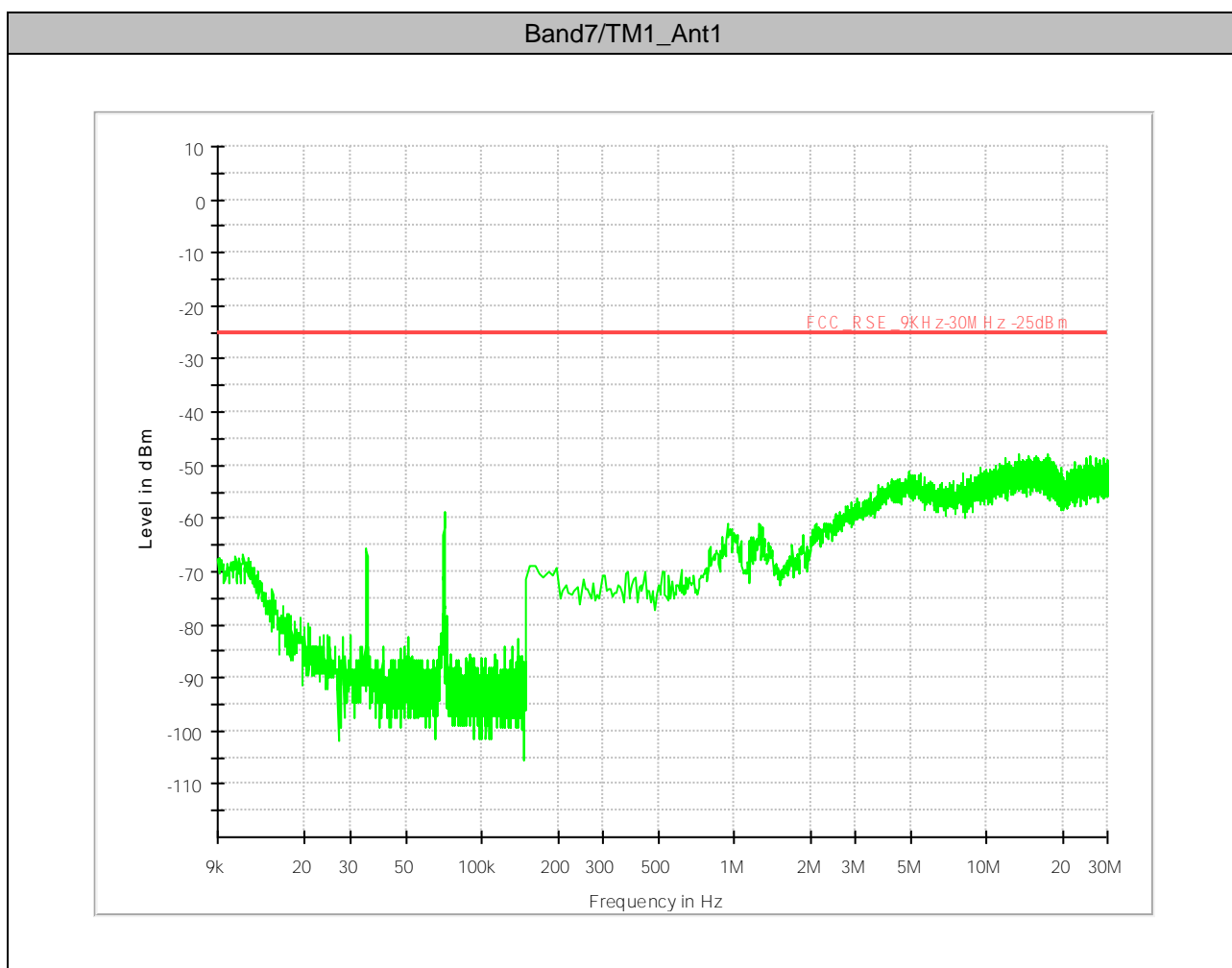
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



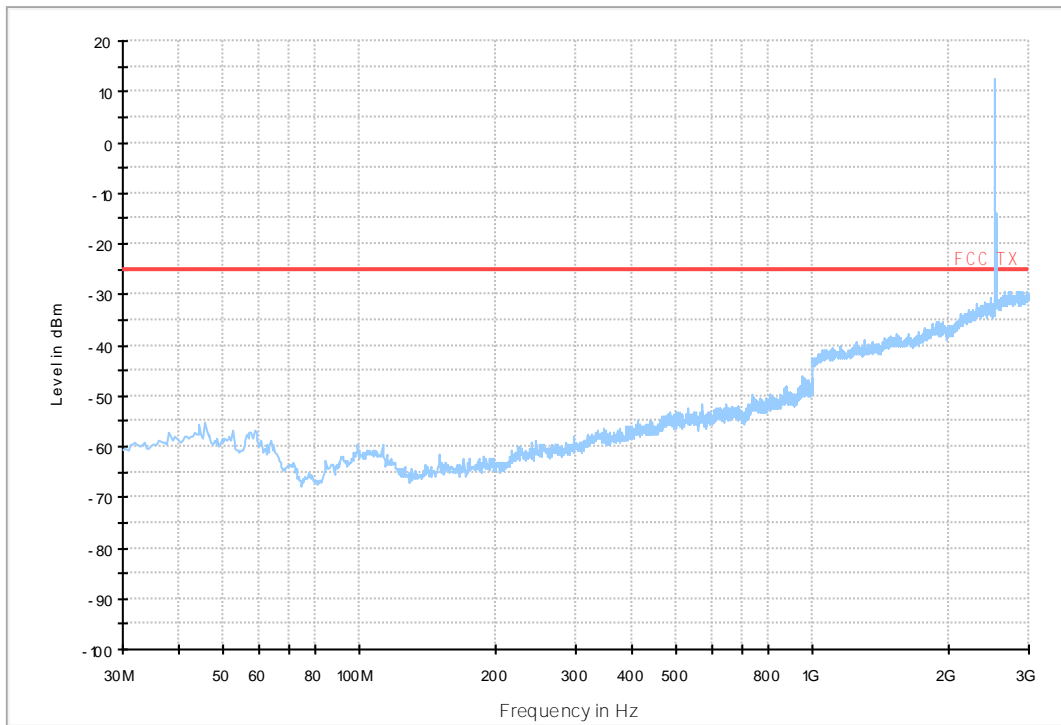
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



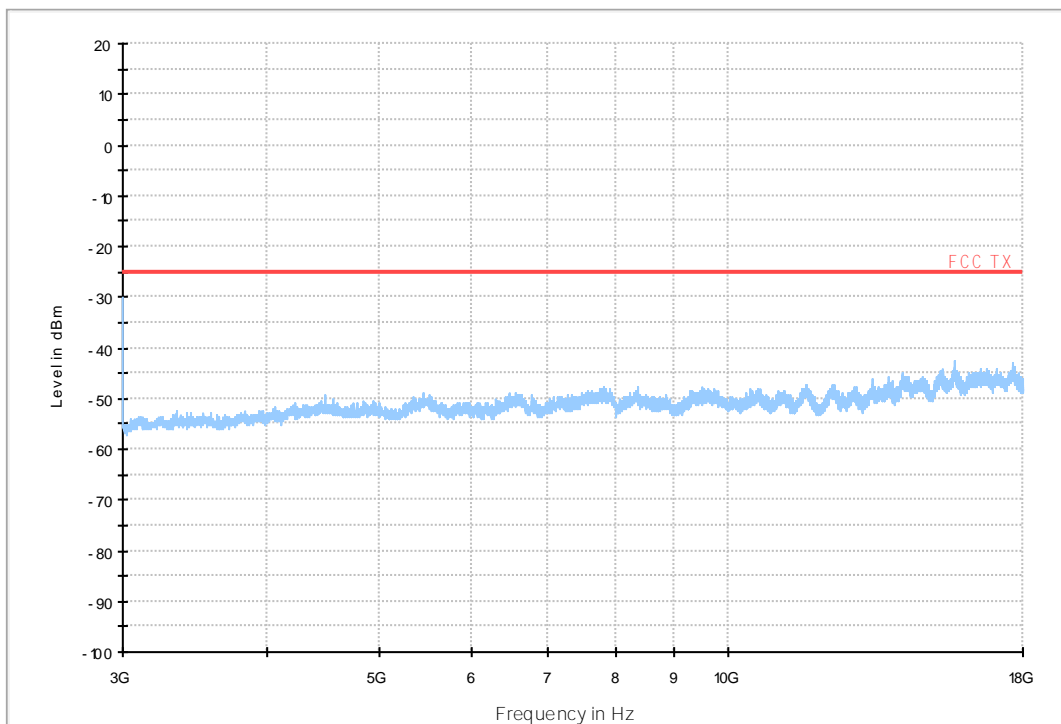
7.1.1.2 Test Bandwidth = 20



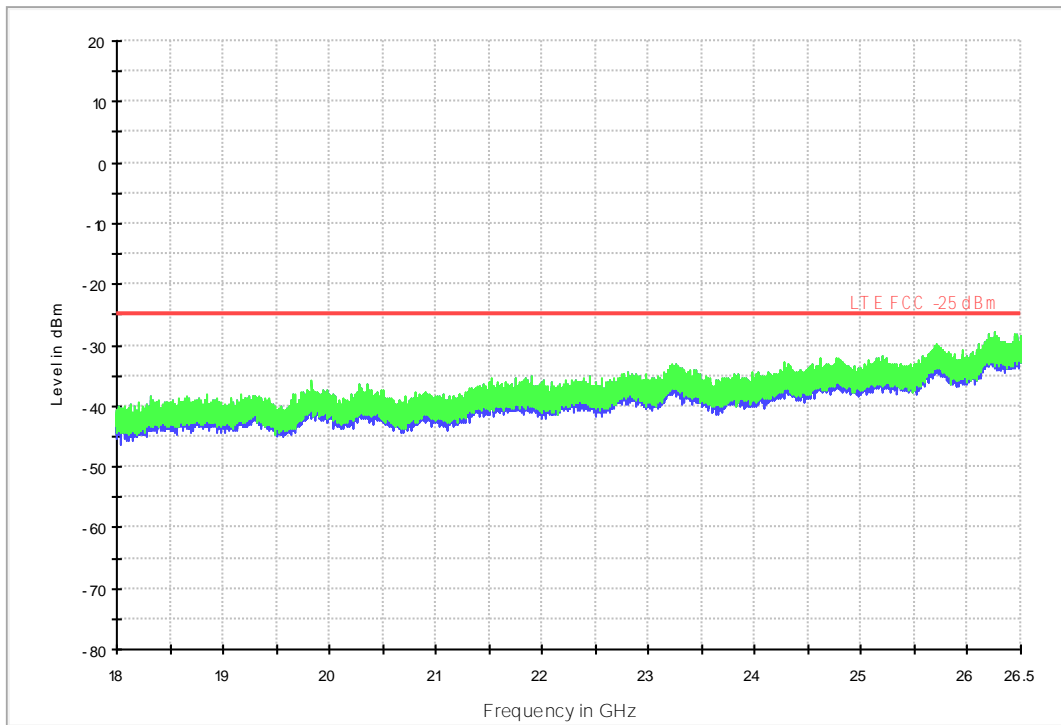
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



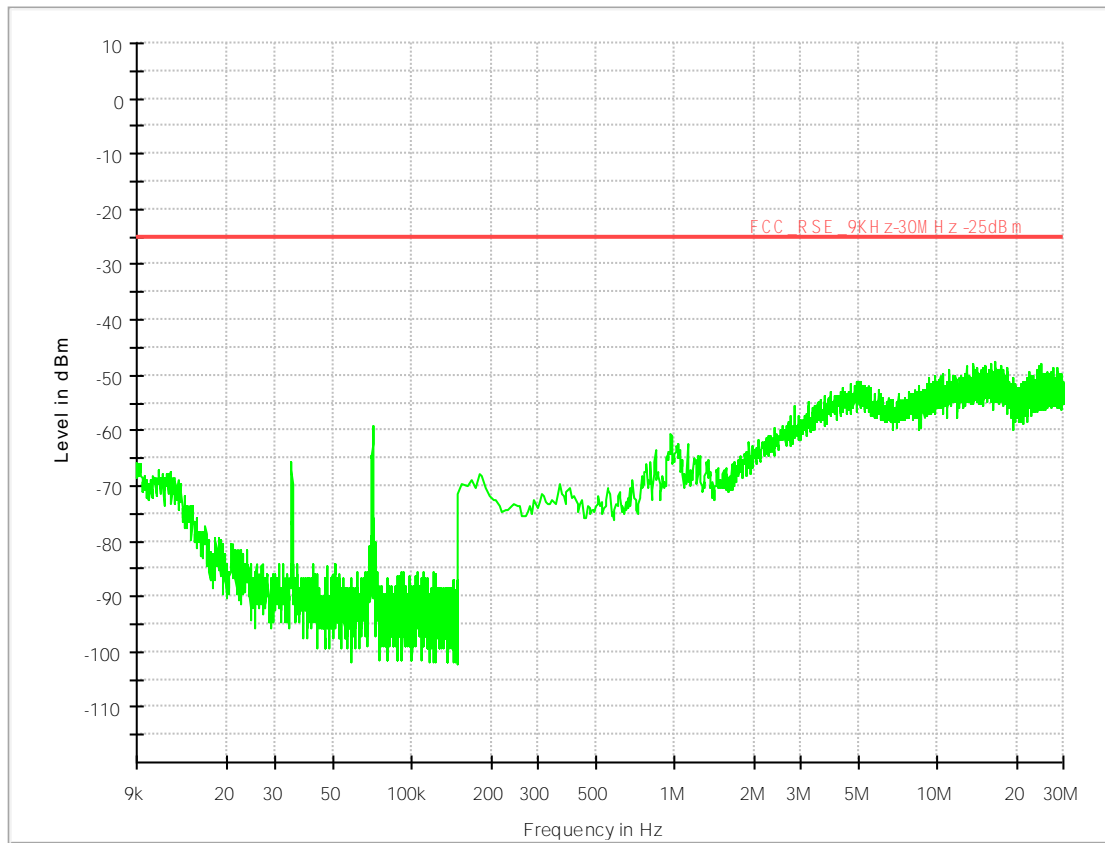
LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



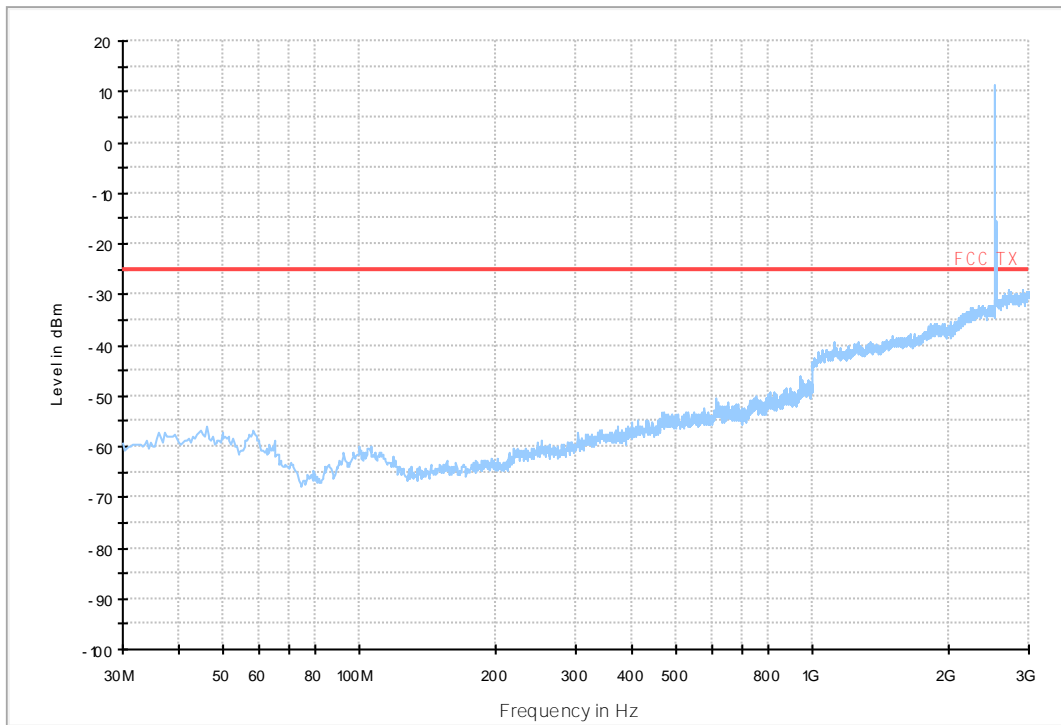
18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



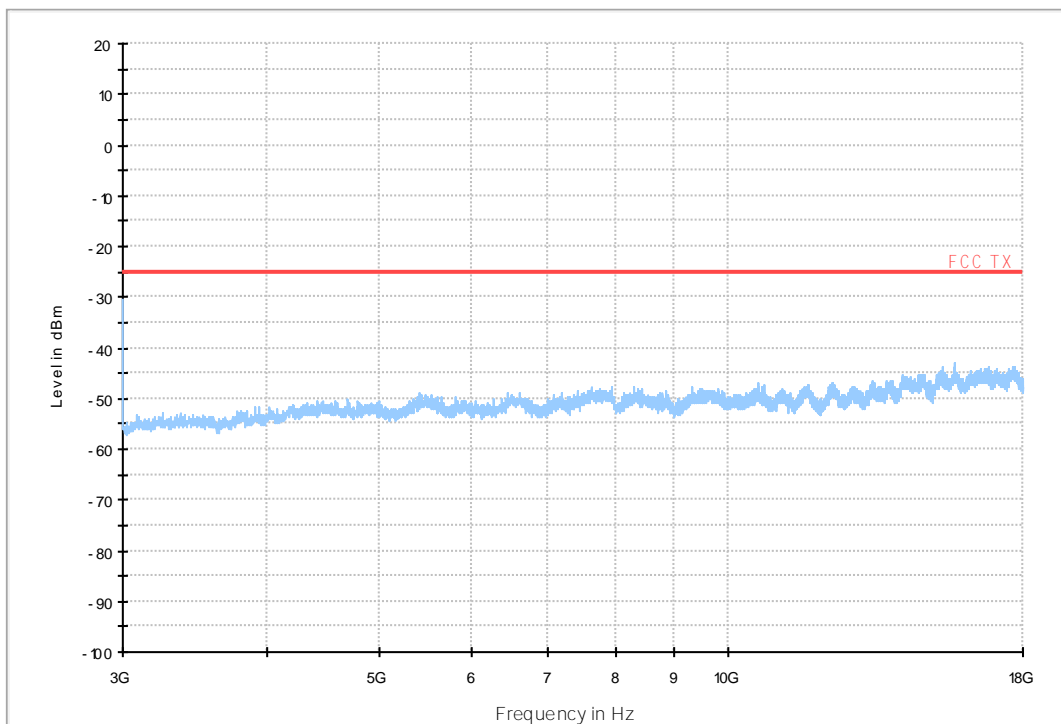
Band7/TM1_Ant2

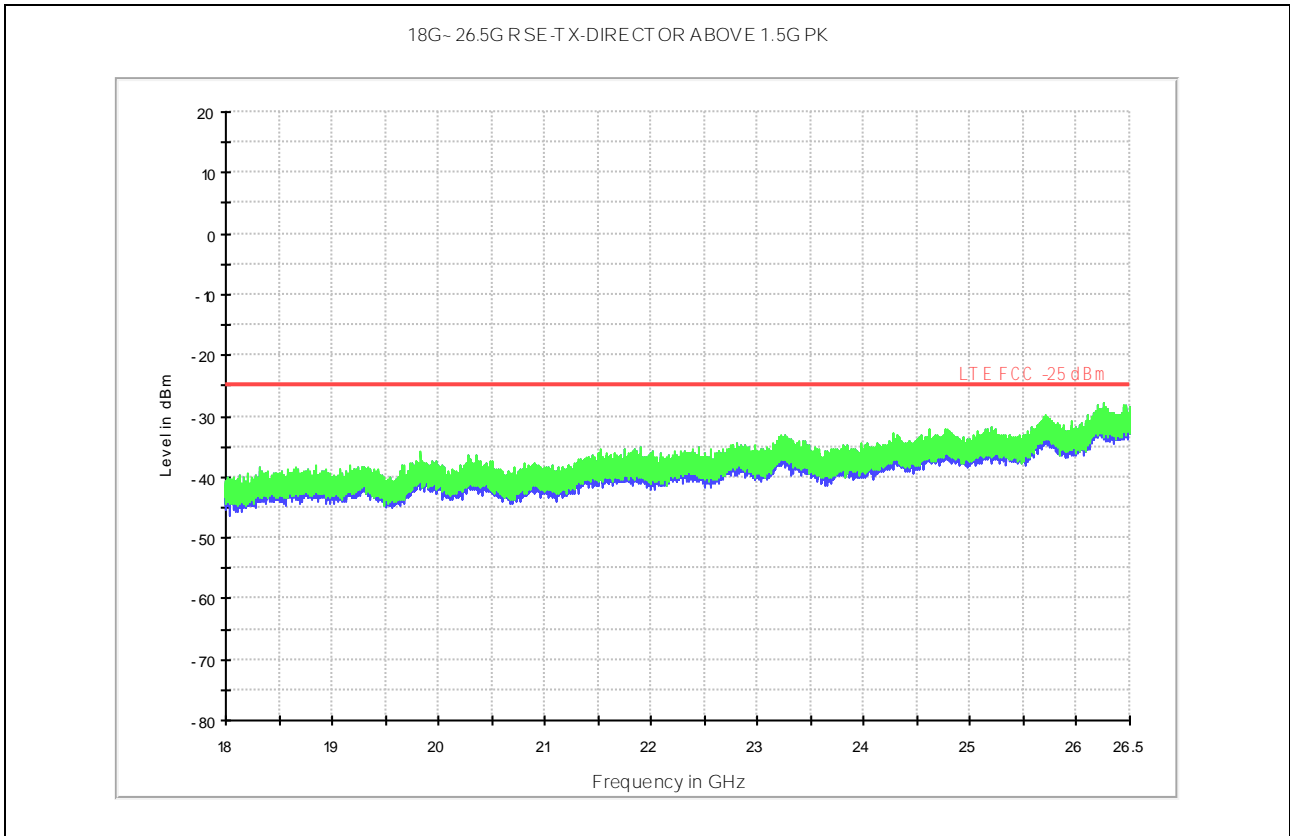


LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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





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	-11.83033	-0.00473	PASS
					VN	-1.81675	-0.00073	PASS
					VH	-3.11851	-0.00125	PASS
			MCH	TN	VL	3.14712	0.00124	PASS
					VN	-10.25677	-0.00405	PASS
					VH	-1.80244	-0.00071	PASS
			HCH	TN	VL	-11.97338	-0.00466	PASS
					VN	-16.09325	-0.00627	PASS
					VH	-10.14233	-0.00395	PASS
		10	LCH	TN	VL	-10.82897	-0.00432	PASS
					VN	-2.71797	-0.00109	PASS
					VH	4.36306	0.00174	PASS
			MCH	TN	VL	2.41756	0.00095	PASS
					VN	1.47343	0.00058	PASS
					VH	-0.78678	-0.00031	PASS
			HCH	TN	VL	-2.16007	-0.00084	PASS
					VN	-2.61784	-0.00102	PASS
					VH	-4.46320	-0.00174	PASS
		15	LCH	TN	VL	-0.57220	-0.00023	PASS
					VN	0.37193	0.00015	PASS
					VH	-6.95229	-0.00277	PASS
			MCH	TN	VL	-3.53336	-0.00139	PASS
					VN	0.41485	0.00016	PASS
					VH	-0.58651	-0.00023	PASS
HCH	TN		VL	1.90258	0.00074	PASS		
			VN	-2.07424	-0.00081	PASS		
			VH	-2.87533	-0.00112	PASS		
20	LCH	TN	VL	-4.92096	-0.00196	PASS		
			VN	0.81539	0.00032	PASS		
			VH	2.96116	0.00118	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	MCH	TN	VL	3.93391	0.00155	PASS
					VN	0.10014	0.00004	PASS
					VH	-6.25134	-0.00247	PASS
			HCH	TN	VL	1.07288	0.00042	PASS
					VN	1.11580	0.00044	PASS
					VH	0.34332	0.00013	PASS
			LCH	TN	VL	-12.35962	-0.00494	PASS
					VN	-12.63142	-0.00505	PASS
					VH	-12.40253	-0.00496	PASS
			MCH	TN	VL	3.34740	0.00132	PASS
					VN	-17.60960	-0.00695	PASS
					VH	-3.93391	-0.00155	PASS
		HCH	TN	VL	-5.20706	-0.00203	PASS	
				VN	-15.43522	-0.00601	PASS	
				VH	-10.61440	-0.00413	PASS	
		10	LCH	TN	VL	1.68800	0.00067	PASS
					VN	-1.70231	-0.00068	PASS
					VH	-8.39710	-0.00335	PASS
			MCH	TN	VL	5.93662	0.00234	PASS
					VN	-3.33309	-0.00131	PASS
					VH	1.34468	0.00053	PASS
			HCH	TN	VL	-5.06401	-0.00197	PASS
					VN	-8.82626	-0.00344	PASS
					VH	-7.48158	-0.00292	PASS
		15	LCH	TN	VL	-3.91960	-0.00156	PASS
					VN	-1.84536	-0.00074	PASS
					VH	-4.60625	-0.00184	PASS
			MCH	TN	VL	-2.21729	-0.00087	PASS
					VN	-1.81675	-0.00072	PASS
					VH	-2.28882	-0.00090	PASS
			HCH	TN	VL	0.81539	0.00032	PASS
					VN	-2.78950	-0.00109	PASS
					VH	-2.50339	-0.00098	PASS
		20	LCH	TN	VL	-3.76225	-0.00150	PASS
					VN	-1.00136	-0.00040	PASS
					VH	-0.97275	-0.00039	PASS
			MCH	TN	VL	2.58923	0.00102	PASS
					VN	0.25749	0.00010	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	73.05622	0.02882	PASS
			HCH	TN	VL	0.14305	0.00006	PASS
					VN	-1.70231	-0.00066	PASS
					VH	1.74522	0.00068	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	-13.97610	-0.00558	PASS
					-20	-1.41621	-0.00057	PASS
					-10	-24.36161	-0.00973	PASS
					0	-3.64780	-0.00146	PASS
					10	-22.71652	-0.00908	PASS
					20	-1.81675	-0.00073	PASS
					30	-5.20706	-0.00208	PASS
					40	-3.27587	-0.00131	PASS
					50	-3.04699	-0.00122	PASS
			MCH	VN	-30	-9.26971	-0.00366	PASS
					-20	-11.67297	-0.00460	PASS
					-10	-20.09869	-0.00793	PASS
					0	-24.01829	-0.00947	PASS
					10	-36.29208	-0.01432	PASS
					20	-10.25677	-0.00405	PASS
					30	-8.58307	-0.00339	PASS
					40	-7.00951	-0.00277	PASS
					50	-9.69887	-0.00383	PASS
			HCH	VN	-30	-18.78262	-0.00732	PASS
					-20	-12.11643	-0.00472	PASS
					-10	-26.00670	-0.01013	PASS
					0	-27.12250	-0.01056	PASS
					10	-16.88004	-0.00657	PASS
					20	-16.09325	-0.00627	PASS
					30	-17.96722	-0.00700	PASS
					40	-16.15047	-0.00629	PASS
					50	-34.63268	-0.01349	PASS
		10	LCH	VN	-30	-8.76904	-0.00350	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-0.80109	-0.00032	PASS	
					-10	-1.75953	-0.00070	PASS	
					0	-1.80244	-0.00072	PASS	
					10	-0.50068	-0.00020	PASS	
					20	-2.71797	-0.00109	PASS	
					30	-3.13282	-0.00125	PASS	
					40	-4.43459	-0.00177	PASS	
					50	-2.30312	-0.00092	PASS	
			MCH	VN	-30	-1.91688	-0.00076	PASS	
					-20	-4.29153	-0.00169	PASS	
					-10	-1.55926	-0.00062	PASS	
					0	-3.00407	-0.00119	PASS	
					10	-2.44618	-0.00096	PASS	
					20	1.47343	0.00058	PASS	
					30	-2.36034	-0.00093	PASS	
					40	-15.60688	-0.00616	PASS	
			HCH	VN	-30	-8.38280	-0.00327	PASS	
					-20	-0.51498	-0.00020	PASS	
					-10	-5.39303	-0.00210	PASS	
					0	-4.24862	-0.00166	PASS	
					10	-3.34740	-0.00131	PASS	
					20	-2.61784	-0.00102	PASS	
					30	-4.42028	-0.00172	PASS	
					40	-7.58171	-0.00296	PASS	
			15	LCH	VN	-30	-1.13010	-0.00045	PASS
						-20	-2.64645	-0.00106	PASS
						-10	-0.01431	-0.00001	PASS
						0	0.01431	0.00001	PASS
		10				0.75817	0.00030	PASS	
		20				0.37193	0.00015	PASS	
		30				1.13010	0.00045	PASS	
		40				-2.86102	-0.00114	PASS	
		MCH		VN	-30	-1.94550	-0.00077	PASS	
					-20	-4.59194	-0.00181	PASS	
					-10	-5.90801	-0.00233	PASS	
					0	-4.50611	-0.00178	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-5.12123	-0.00202	PASS			
					20	0.41485	0.00016	PASS			
					30	-1.31607	-0.00052	PASS			
					40	-0.42915	-0.00017	PASS			
					50	-6.96659	-0.00275	PASS			
			HCH	VN				-30	-3.76225	-0.00147	PASS
								-20	-3.00407	-0.00117	PASS
								-10	-4.13418	-0.00161	PASS
								0	-3.70503	-0.00145	PASS
								10	-7.03812	-0.00275	PASS
								20	-2.07424	-0.00081	PASS
								30	-1.74522	-0.00068	PASS
								40	-2.88963	-0.00113	PASS
								50	-8.46863	-0.00330	PASS
								LCH	VN		
			-20	-1.55926	-0.00062	PASS					
			-10	-0.11444	-0.00005	PASS					
			0	1.97411	0.00079	PASS					
			10	-1.58787	-0.00063	PASS					
			20	0.81539	0.00032	PASS					
		30	0.32902	0.00013	PASS						
		40	0.72956	0.00029	PASS						
		50	-4.42028	-0.00176	PASS						
		MCH	VN				-30				
							-20	0.24319	0.00010	PASS	
							-10	-1.68800	-0.00067	PASS	
							0	-3.01838	-0.00119	PASS	
							10	-2.34604	-0.00093	PASS	
							20	0.10014	0.00004	PASS	
							30	-0.17166	-0.00007	PASS	
							40	1.40190	0.00055	PASS	
		HCH	VN				50	-2.60353	-0.00103	PASS	
							-30	-0.88692	-0.00035	PASS	
							-20	-0.60081	-0.00023	PASS	
							-10	0.20027	0.00008	PASS	
							0	0.35763	0.00014	PASS	
							10	-1.27316	-0.00050	PASS	
							20	1.11580	0.00044	PASS	
							30	-0.27180	-0.00011	PASS	
		20					-30	1.90258	0.00076	PASS	
-20	-1.55926						-0.00062	PASS			
-10	-0.11444						-0.00005	PASS			
0	1.97411						0.00079	PASS			
10	-1.58787						-0.00063	PASS			
								20	0.81539	0.00032	PASS
								30	0.32902	0.00013	PASS
								40	0.72956	0.00029	PASS
								50	-4.42028	-0.00176	PASS
								-30	0.94414	0.00037	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
	LTE/TM2	5	LCH	VN	40	0.00000	0.00000	PASS		
					50	1.15871	0.00045	PASS		
					-30	-14.30511	-0.00572	PASS		
					-20	-11.93047	-0.00477	PASS		
					-10	-15.53535	-0.00621	PASS		
					0	-8.99792	-0.00360	PASS		
					10	-12.40253	-0.00496	PASS		
					20	-12.63142	-0.00505	PASS		
					30	-32.80163	-0.01311	PASS		
					40	-25.44880	-0.01017	PASS		
			50	-26.35002	-0.01053	PASS				
			MCH	VN	-30	-5.12123	-0.00202	PASS		
					-20	-3.61919	-0.00143	PASS		
					-10	-22.54486	-0.00889	PASS		
					0	-6.38008	-0.00252	PASS		
					10	-10.42843	-0.00411	PASS		
					20	-17.60960	-0.00695	PASS		
					30	-3.63350	-0.00143	PASS		
					40	-5.83649	-0.00230	PASS		
					50	-3.20435	-0.00126	PASS		
		HCH			VN	-30	-13.53264	-0.00527	PASS	
			-20	-16.07895		-0.00626	PASS			
			-10	-17.78126		-0.00693	PASS			
			0	-13.71861		-0.00534	PASS			
			10	-17.52377		-0.00683	PASS			
			20	-15.43522		-0.00601	PASS			
			30	-13.99040		-0.00545	PASS			
			40	-17.19475		-0.00670	PASS			
			50	-21.25740		-0.00828	PASS			
			10	LCH		VN	-30	-3.14712	-0.00126	PASS
		-20			-4.50611		-0.00180	PASS		
		-10			-3.06129		-0.00122	PASS		
		0			-5.96523		-0.00238	PASS		
		10			-0.54359		-0.00022	PASS		
		20			-1.70231		-0.00068	PASS		
		30			-2.34604		-0.00094	PASS		
		40			-3.76225		-0.00150	PASS		
		50			-5.26428		-0.00210	PASS		
		MCH			VN		-30	-2.05994	-0.00081	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-3.77655	-0.00149	PASS
					-10	-8.25405	-0.00326	PASS
					0	-1.61648	-0.00064	PASS
					10	-0.20027	-0.00008	PASS
					20	-3.33309	-0.00131	PASS
					30	-2.00272	-0.00079	PASS
					40	1.02997	0.00041	PASS
					50	1.35899	0.00054	PASS
			HCH	VN	-30	-6.06537	-0.00236	PASS
					-20	-5.87940	-0.00229	PASS
					-10	-11.21521	-0.00437	PASS
					0	-4.93527	-0.00192	PASS
					10	-5.66483	-0.00221	PASS
					20	-8.82626	-0.00344	PASS
					30	-7.30991	-0.00285	PASS
					40	-5.82218	-0.00227	PASS
		15	LCH	VN	-30	-2.81811	-0.00112	PASS
					-20	-2.60353	-0.00104	PASS
					-10	-4.90665	-0.00196	PASS
					0	-2.74658	-0.00110	PASS
					10	-3.96252	-0.00158	PASS
					20	-1.84536	-0.00074	PASS
					30	-1.74522	-0.00070	PASS
					40	-5.56469	-0.00222	PASS
			MCH	VN	-30	1.45912	0.00058	PASS
					-20	-3.49045	-0.00138	PASS
					-10	-4.14848	-0.00164	PASS
					0	-1.54495	-0.00061	PASS
					10	-4.27723	-0.00169	PASS
					20	-1.81675	-0.00072	PASS
					30	-6.07967	-0.00240	PASS
					40	0.27180	0.00011	PASS
		HCH	VN	-30	-3.19004	-0.00124	PASS	
				-20	-2.50339	-0.00098	PASS	
				-10	-4.26292	-0.00166	PASS	
				0	-3.77655	-0.00147	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					10	-6.99520	-0.00273	PASS			
					20	-2.78950	-0.00109	PASS			
					30	-1.08719	-0.00042	PASS			
					40	-4.47750	-0.00175	PASS			
					50	-2.97546	-0.00116	PASS			
					20	LCH	VN	-30	-4.34875	-0.00173	PASS
								-20	-4.59194	-0.00183	PASS
								-10	-4.07696	-0.00162	PASS
								0	-1.81675	-0.00072	PASS
								10	-0.38624	-0.00015	PASS
		20	-1.00136	-0.00040				PASS			
		30	-2.01702	-0.00080				PASS			
		40	-2.04563	-0.00081				PASS			
		50	-2.31743	-0.00092				PASS			
		20	MCH	VN				-30	-1.75953	-0.00069	PASS
					-20	-0.05722	-0.00002	PASS			
					-10	-1.41621	-0.00056	PASS			
					0	-1.70231	-0.00067	PASS			
					10	-1.27316	-0.00050	PASS			
					20	0.25749	0.00010	PASS			
					30	-3.39031	-0.00134	PASS			
					40	-2.73228	-0.00108	PASS			
					50	1.04427	0.00041	PASS			
					20	HCH	VN	-30	-2.24590	-0.00088	PASS
		-20	-0.54359	-0.00021				PASS			
		-10	-1.81675	-0.00071				PASS			
		0	-0.04292	-0.00002				PASS			
		10	-0.81539	-0.00032				PASS			
		20	-1.70231	-0.00066				PASS			
		30	-1.23024	-0.00048				PASS			
40	0.44346	0.00017	PASS								
50	-0.40054	-0.00016	PASS								

END