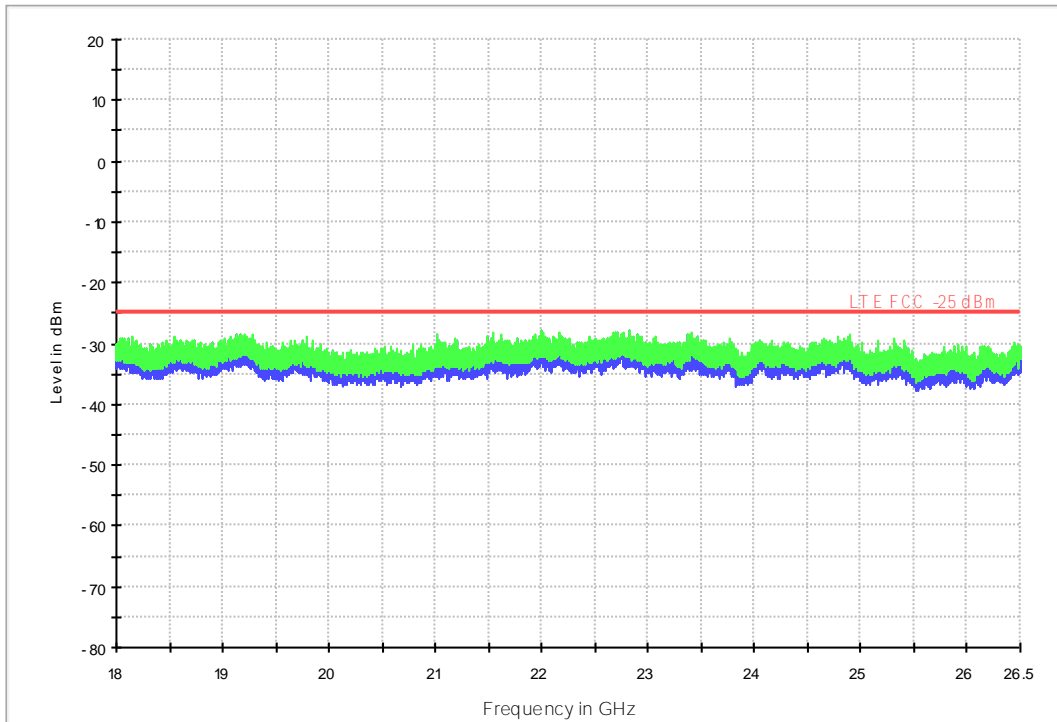


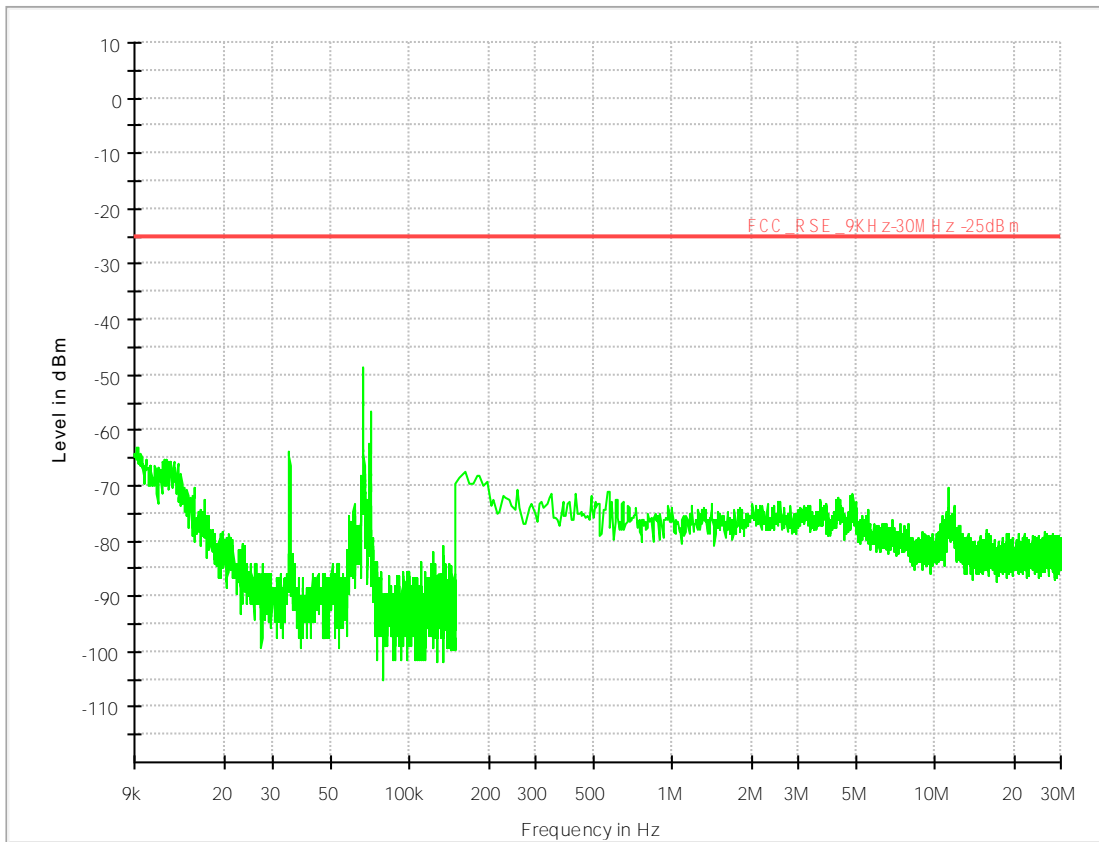


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

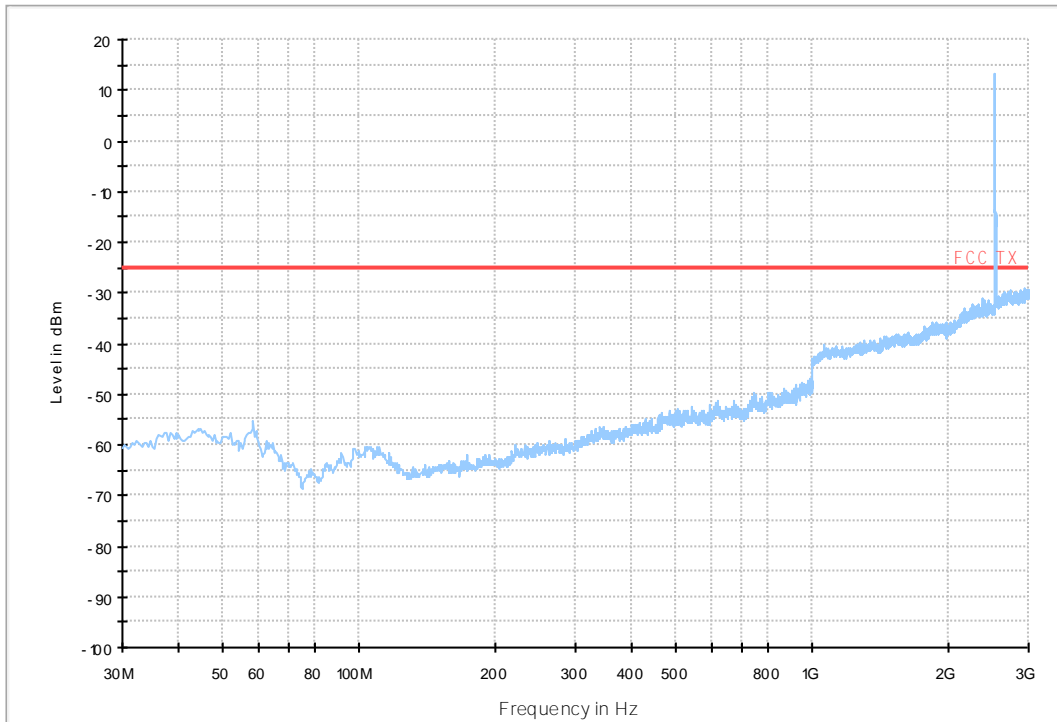




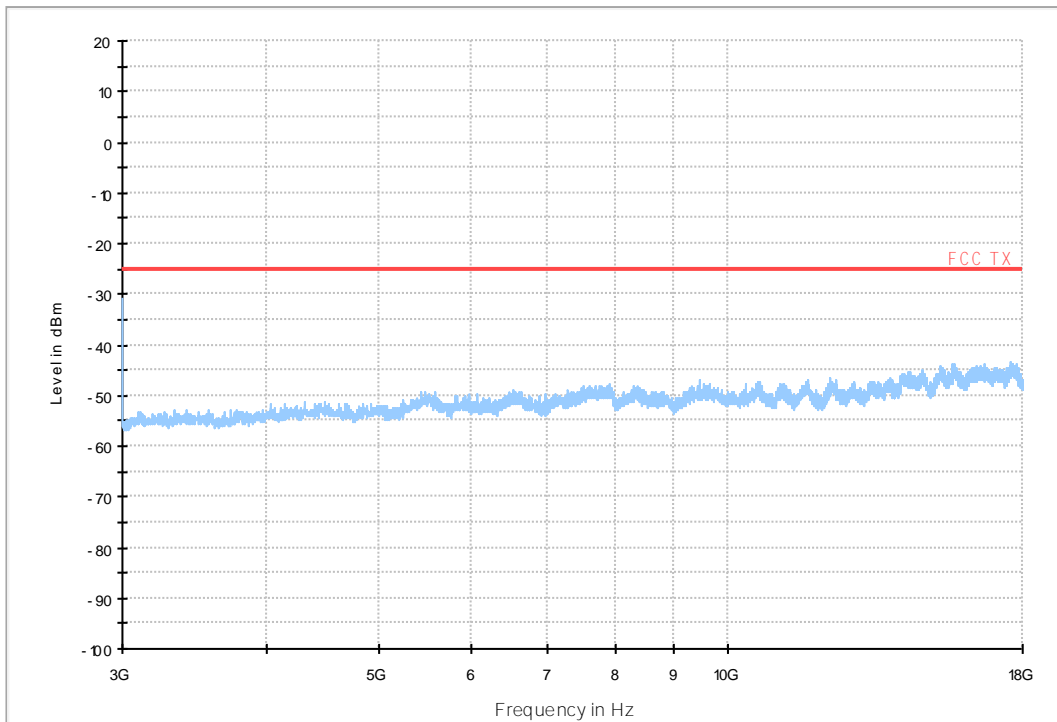
7.1.1.2 Test Bandwidth = 20



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

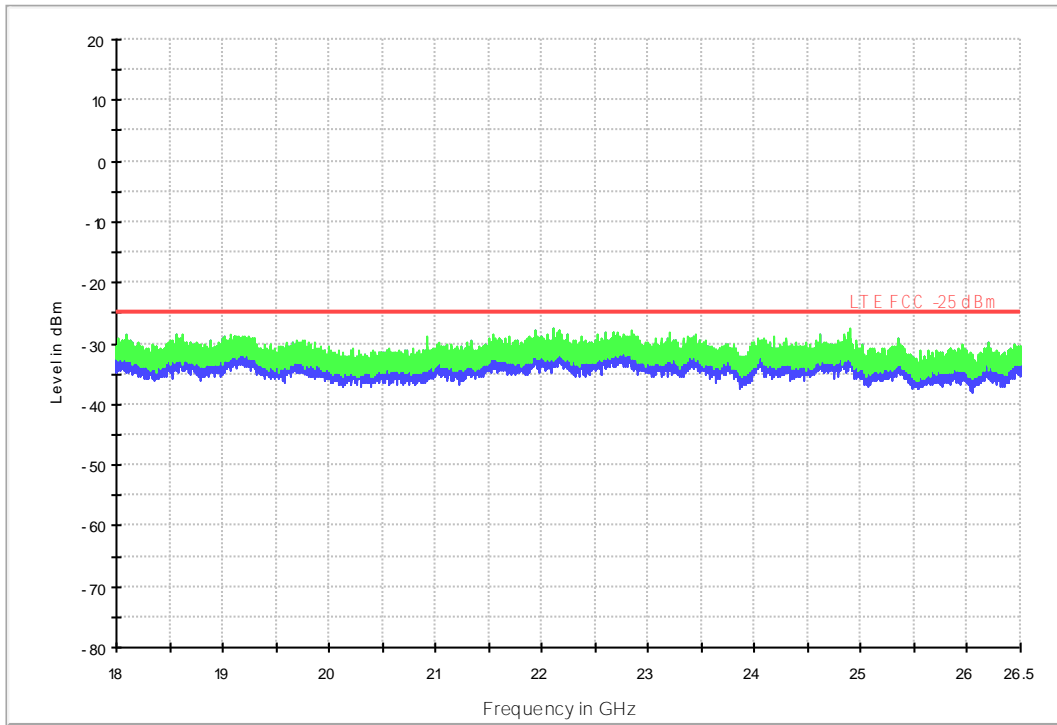


LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



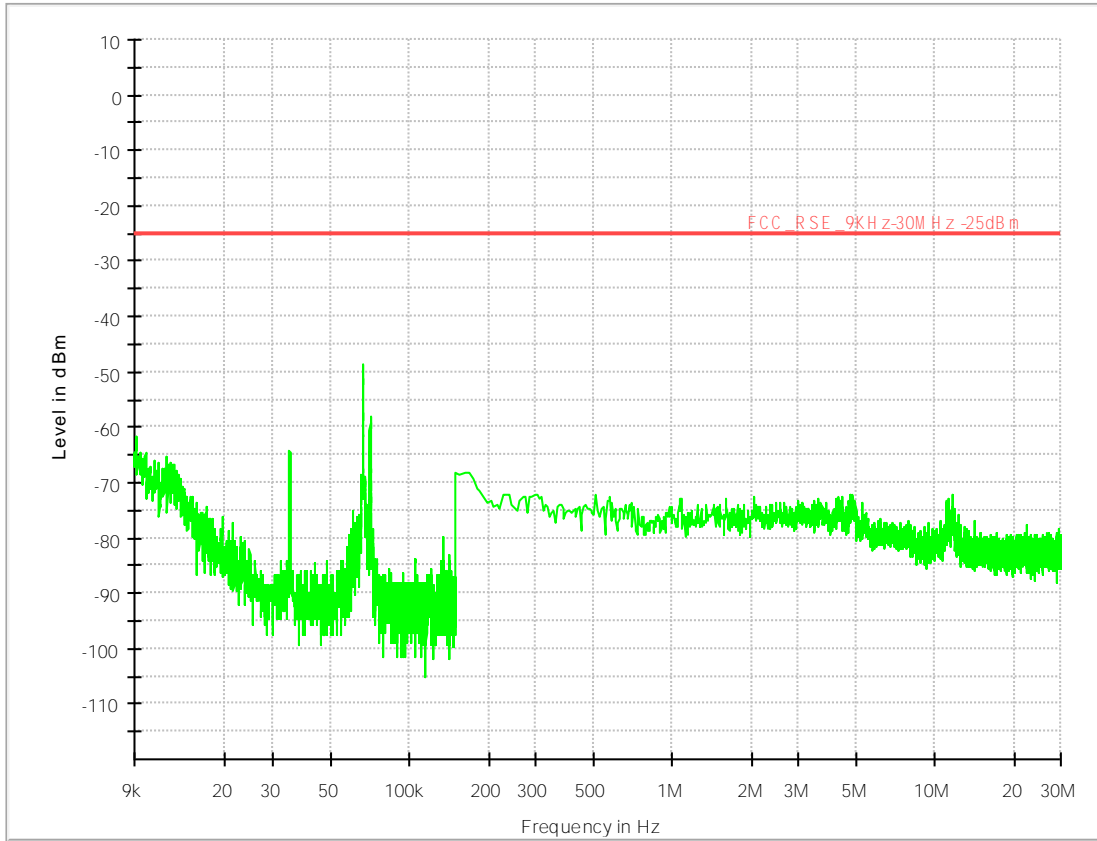


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5GPK



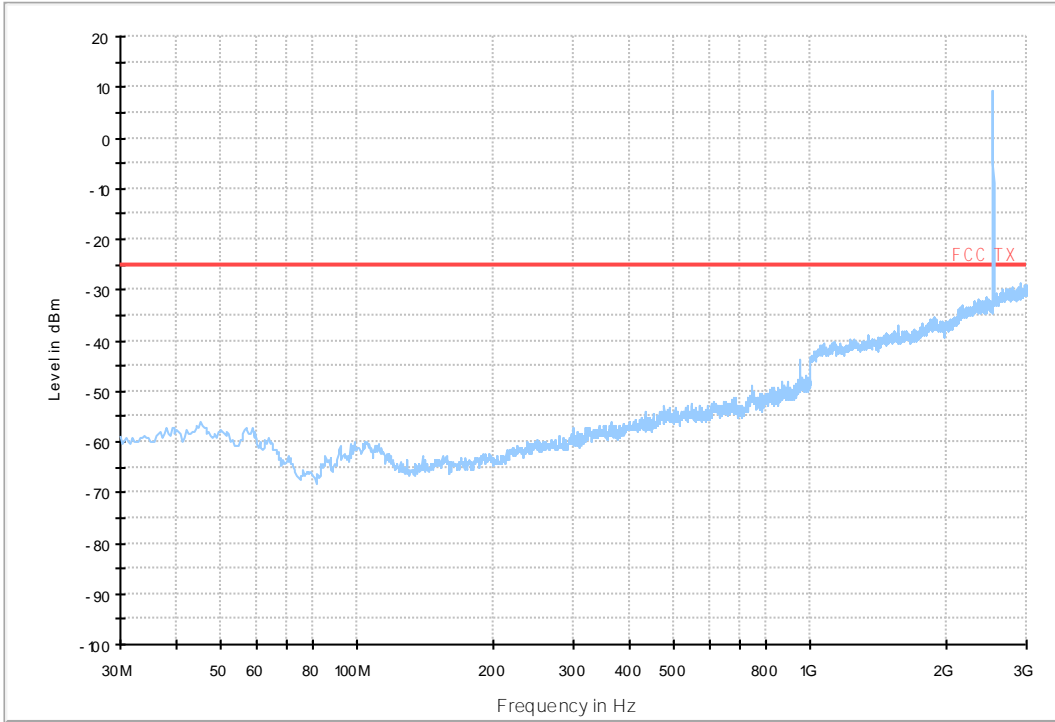
7.1.2 Test Band = BAND7_ANT2

7.1.2.1 Test Bandwidth = 5

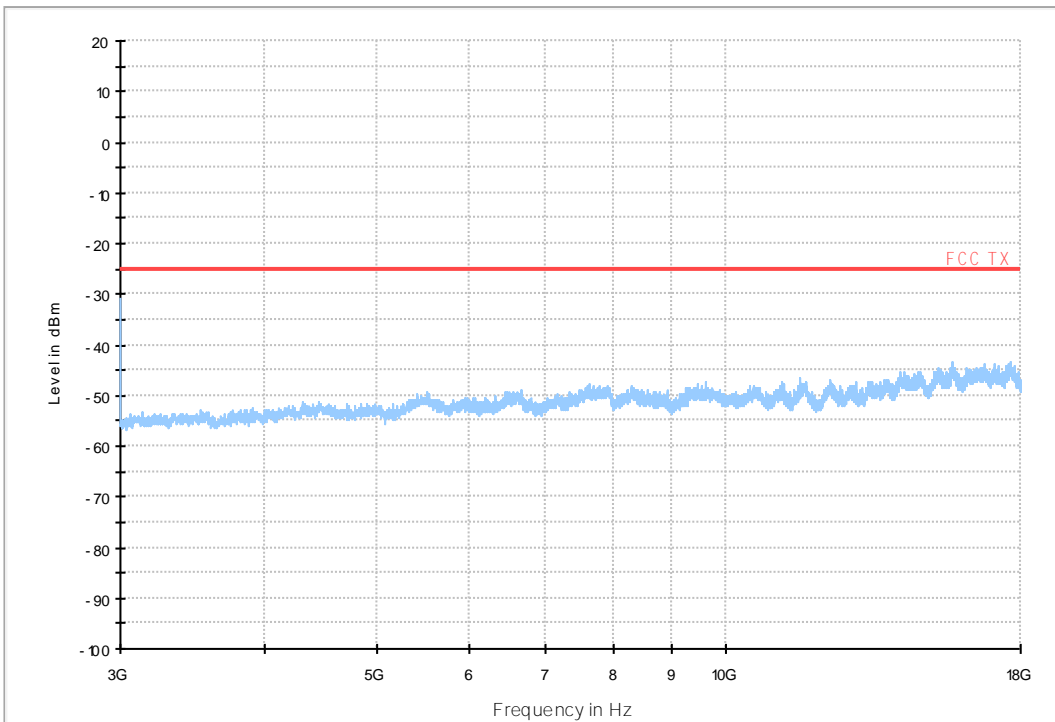




LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit

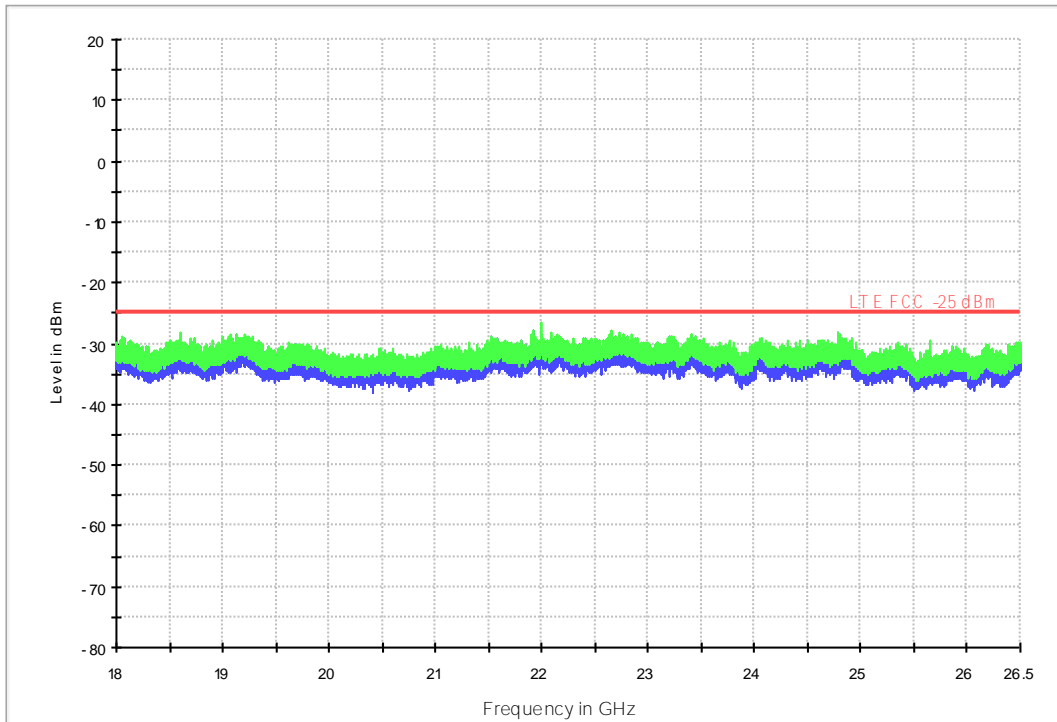


LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



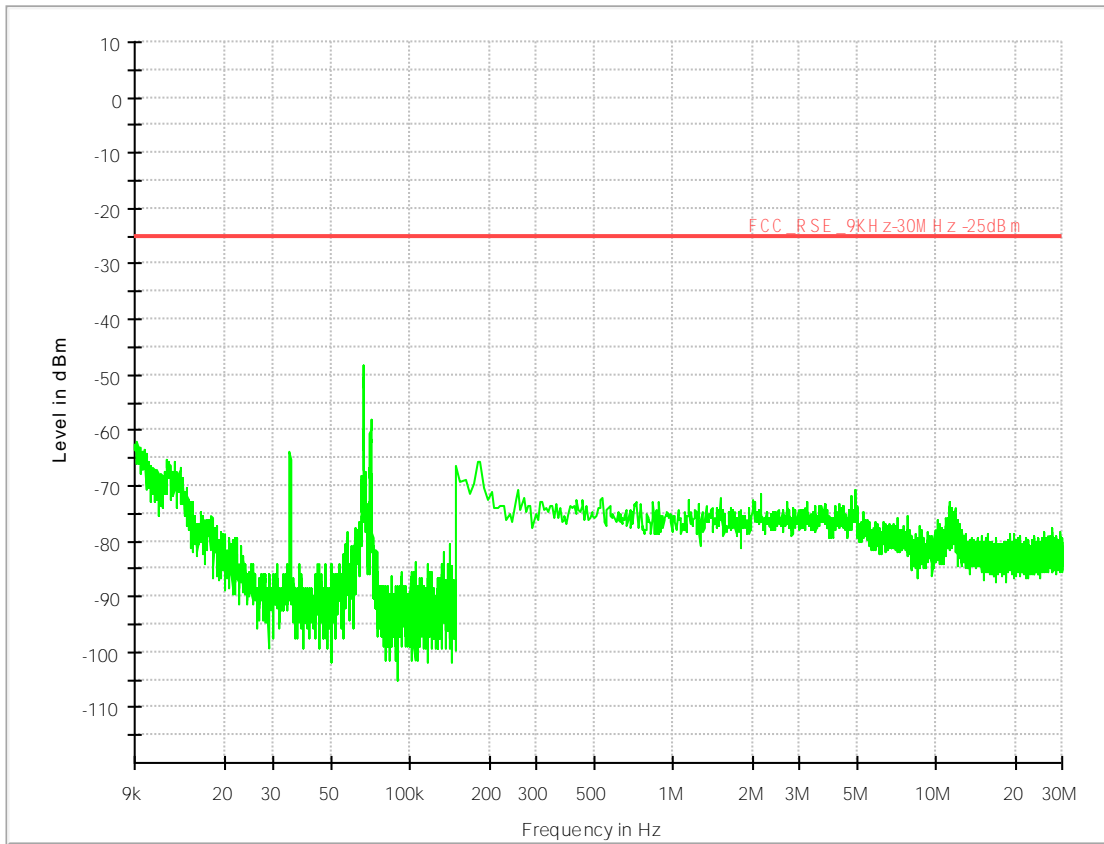


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5GPK



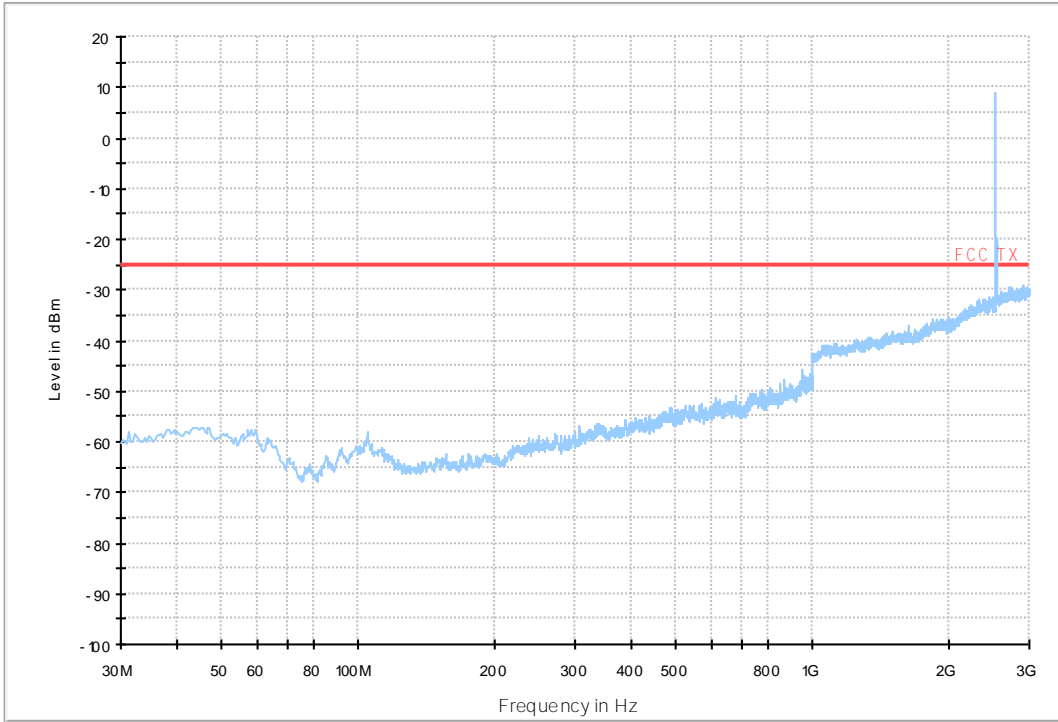


7.1.2.2 Test Bandwidth = 20

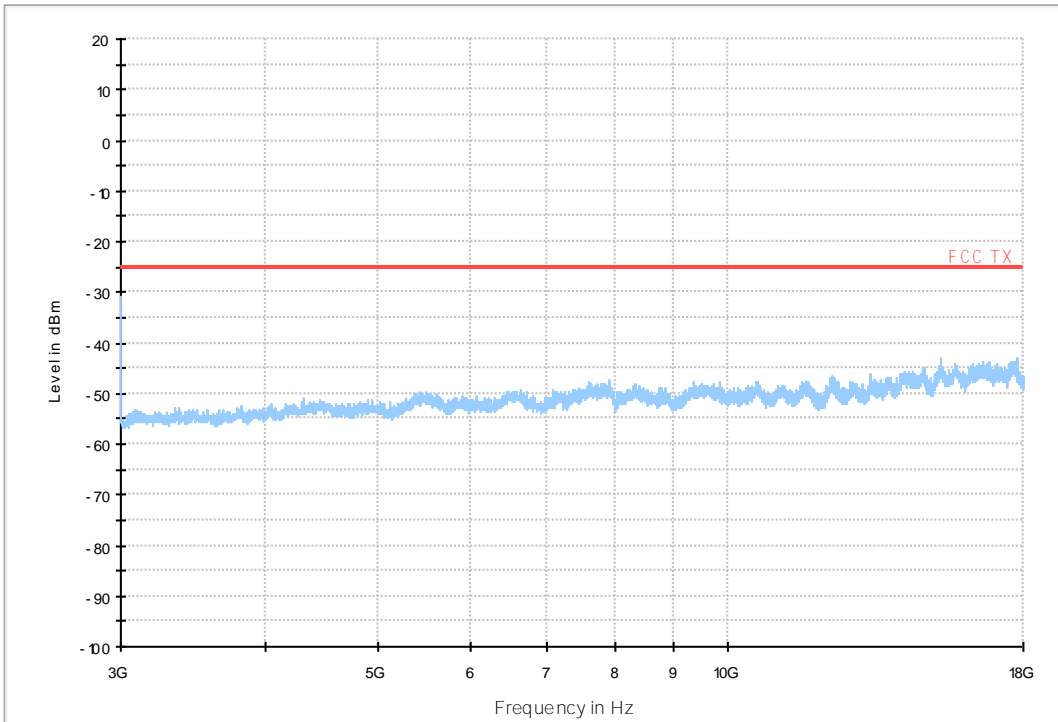




LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit

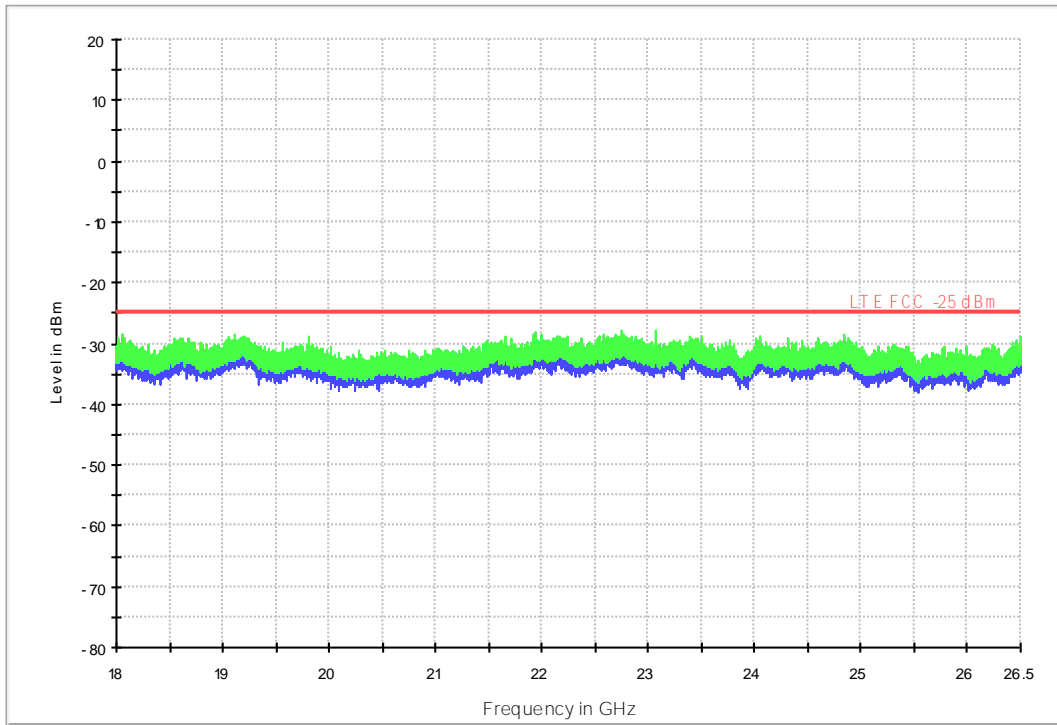


LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit





18G-26.5G RSE-TX-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
BAND7	LTE/TM1	5	LCH	TN	VL	-39.12449	-0.01563	PASS
					VN	-3.23296	-0.00129	PASS
					VH	-3.70503	-0.00148	PASS
			MCH	TN	VL	-3.40462	-0.00134	PASS
					VN	-19.39774	-0.00765	PASS
					VH	-5.77927	-0.00228	PASS
			HCH	TN	VL	-15.36369	-0.00598	PASS
					VN	-31.80027	-0.01239	PASS
					VH	-18.59665	-0.00724	PASS
		10	LCH	TN	VL	-10.08511	-0.00403	PASS
					VN	-25.94948	-0.01036	PASS
					VH	-22.18723	-0.00886	PASS
			MCH	TN	VL	-15.22064	-0.006	PASS
					VN	-7.12395	-0.00281	PASS
					VH	0.35763	0.00014	PASS
			HCH	TN	VL	-4.7636	-0.00186	PASS
					VN	-16.26492	-0.00634	PASS
					VH	-5.8794	-0.00229	PASS
		15	LCH	TN	VL	-14.8201	-0.00591	PASS
					VN	-24.56188	-0.0098	PASS
					VH	-19.92702	-0.00795	PASS
			MCH	TN	VL	-14.49108	-0.00572	PASS
					VN	-8.55446	-0.00337	PASS
					VH	-2.74658	-0.00108	PASS
			HCH	TN	VL	-5.97954	-0.00233	PASS
					VN	-14.66274	-0.00572	PASS
					VH	-6.73771	-0.00263	PASS
		20	LCH	TN	VL	-10.49995	-0.00418	PASS
					VN	-21.68655	-0.00864	PASS
					VH	-18.86845	-0.00752	PASS
			MCH	TN	VL	-2.50339	-0.00099	PASS
					VN	-6.69479	-0.00264	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	-0.37193	-0.00015	PASS
					VL	-3.57628	-0.0014	PASS
					VN	-12.80308	-0.005	PASS
					VH	-5.00679	-0.00196	PASS
		5	LCH	TN	VL	-27.06528	-0.01082	PASS
					VN	-35.36224	-0.01413	PASS
					VH	-29.0966	-0.01163	PASS
					VL	-6.17981	-0.00244	PASS
			MCH	TN	VN	-17.73834	-0.007	PASS
					VH	-4.16279	-0.00164	PASS
					VL	-10.68592	-0.00416	PASS
					VN	-29.94061	-0.01166	PASS
	HCH		TN	VH	-8.99792	-0.0035	PASS	
				VL	-11.67297	-0.00466	PASS	
				VN	-22.20154	-0.00886	PASS	
				VH	-8.58307	-0.00343	PASS	
	10	LCH	TN	VL	-1.08719	-0.00043	PASS	
				VN	-8.21114	-0.00324	PASS	
				VH	-23.46039	-0.00925	PASS	
				VL	-2.36034	-0.00092	PASS	
		MCH	TN	VN	-11.1866	-0.00436	PASS	
				VH	-4.54903	-0.00177	PASS	
				VL	-7.75337	-0.00309	PASS	
				VN	-16.67976	-0.00665	PASS	
		HCH	TN	VH	-7.25269	-0.00289	PASS	
				VL	-1.73092	-0.00068	PASS	
				VN	-8.54015	-0.00337	PASS	
				VH	0.90122	0.00036	PASS	
	15	LCH	TN	VL	-5.39303	-0.0021	PASS	
				VN	-11.67297	-0.00456	PASS	
				VH	-0.01431	-0.00001	PASS	
				VL	-7.5388	-0.003	PASS	
		MCH	TN	VN	-12.78877	-0.0051	PASS	
				VH	-7.92503	-0.00316	PASS	
				VL	-1.01566	-0.0004	PASS	
				VN	-3.13282	-0.00124	PASS	
		HCH	TN	VH	1.15871	0.00046	PASS	
				VL	-4.69208	-0.00183	PASS	
				VN	-11.67297	-0.00456	PASS	
				VH	-0.01431	-0.00001	PASS	
	20	LCH	TN	VL	-7.5388	-0.003	PASS	
				VN	-12.78877	-0.0051	PASS	
VH				-7.92503	-0.00316	PASS		
VL				-1.01566	-0.0004	PASS		
MCH		TN	VN	-3.13282	-0.00124	PASS		
			VH	1.15871	0.00046	PASS		
			VL	-4.69208	-0.00183	PASS		
			VN	-11.67297	-0.00456	PASS		
HCH		TN	VH	-0.01431	-0.00001	PASS		
			VL	-7.5388	-0.003	PASS		
			VN	-12.78877	-0.0051	PASS		
			VH	-7.92503	-0.00316	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-7.39574	-0.00289	PASS
					VH	-1.83106	-0.00072	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	-4.67777	-0.00187	PASS
					-20	-5.3072	-0.00212	PASS
					-10	-5.55039	-0.00222	PASS
					0	-5.20706	-0.00208	PASS
					10	-6.69479	-0.00268	PASS
					20	-3.23296	-0.00129	PASS
					30	-4.04835	-0.00162	PASS
					40	-1.80244	-0.00072	PASS
					50	-6.53744	-0.00261	PASS
			MCH	VN	-30	-16.7942	-0.00662	PASS
					-20	-18.4536	-0.00728	PASS
					-10	-16.96587	-0.00669	PASS
					0	-18.33916	-0.00723	PASS
					10	-19.94133	-0.00787	PASS
					20	-19.39774	-0.00765	PASS
		30			-19.0115	-0.0075	PASS	
		40			-20.87116	-0.00823	PASS	
		HCH	VN	-30	-32.47261	-0.01265	PASS	
				-20	-33.24509	-0.01295	PASS	
				-10	-31.15654	-0.01213	PASS	
				0	-29.52576	-0.0115	PASS	
				10	-30.22671	-0.01177	PASS	
				20	-31.80027	-0.01239	PASS	
				30	-28.56731	-0.01113	PASS	
				40	-33.53119	-0.01306	PASS	
		10	LCH	VN	-30	-23.68927	-0.00946	PASS
					-20	-25.67768	-0.01025	PASS
-10	-24.66202				-0.00985	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-27.20833	-0.01086	PASS
					10	-26.95084	-0.01076	PASS
					20	-25.94948	-0.01036	PASS
					30	-26.79348	-0.0107	PASS
					40	-22.75944	-0.00909	PASS
					50	-28.5387	-0.01139	PASS
			MCH	VN	-30	-6.89506	-0.00272	PASS
					-20	-6.00815	-0.00237	PASS
					-10	-7.05242	-0.00278	PASS
					0	-7.85351	-0.0031	PASS
					10	-5.56469	-0.0022	PASS
					20	-7.12395	-0.00281	PASS
					30	-6.60896	-0.00261	PASS
					40	-5.80788	-0.00229	PASS
			HCH	VN	50	-6.73771	-0.00266	PASS
					-30	-12.74586	-0.00497	PASS
					-20	-14.99176	-0.00584	PASS
					-10	-13.34667	-0.0052	PASS
					0	-12.77447	-0.00498	PASS
					10	-14.06193	-0.00548	PASS
					20	-16.26492	-0.00634	PASS
					30	-15.46383	-0.00603	PASS
			LCH	VN	40	-12.83169	-0.005	PASS
					50	-16.37936	-0.00639	PASS
					-30	-22.18723	-0.00885	PASS
					-20	-25.4631	-0.01015	PASS
					-10	-27.03667	-0.01078	PASS
					0	-24.6191	-0.00982	PASS
					10	-25.80643	-0.01029	PASS
					20	-24.56188	-0.0098	PASS
30	-22.17293	-0.00884			PASS			
40	-23.05984	-0.0092			PASS			
MCH	VN	50	-22.88818	-0.00913	PASS			
		-30	-6.22272	-0.00245	PASS			
		-20	-12.21657	-0.00482	PASS			
		-10	0.15736	0.00006	PASS			
		0	-6.4373	-0.00254	PASS			
					10	-6.89506	-0.00272	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			20	-8.55446	-0.00337	PASS
					30	-7.89642	-0.00311	PASS
					40	-5.33581	-0.0021	PASS
					50	-6.60896	-0.00261	PASS
			HCH	VN	-30	-13.71861	-0.00535	PASS
					-20	-15.17773	-0.00592	PASS
					-10	-11.67297	-0.00456	PASS
					0	-11.31535	-0.00442	PASS
					10	-14.90593	-0.00582	PASS
					20	-14.66274	-0.00572	PASS
					30	-16.52241	-0.00645	PASS
					40	-15.36369	-0.006	PASS
					50	-11.10077	-0.00433	PASS
					LCH	VN	-30	-20.35618
		-20	-19.95564	-0.00795			PASS	
		-10	-17.25197	-0.00687			PASS	
		0	-20.54214	-0.00818			PASS	
		10	-21.35754	-0.00851			PASS	
		20	-21.68655	-0.00864			PASS	
		30	-20.25604	-0.00807			PASS	
		40	-19.62662	-0.00782			PASS	
		MCH	VN	50	-19.81258	-0.00789	PASS	
				-30	-4.33445	-0.00171	PASS	
				-20	-8.44002	-0.00333	PASS	
				-10	-1.73092	-0.00068	PASS	
				0	-4.49181	-0.00177	PASS	
				10	-4.90665	-0.00194	PASS	
				20	-6.69479	-0.00264	PASS	
				30	-5.65052	-0.00223	PASS	
		HCH	VN	40	-2.31743	-0.00091	PASS	
				50	-3.96252	-0.00156	PASS	
				-30	-12.00199	-0.00469	PASS	
				-20	-10.39982	-0.00406	PASS	
				-10	-13.56125	-0.0053	PASS	
				0	-10.74314	-0.0042	PASS	
				10	-11.37257	-0.00444	PASS	
		20	-12.80308	-0.005	PASS			
		30	-12.37392	-0.00483	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	-9.44138	-0.00369	PASS
					50	-9.57012	-0.00374	PASS
					-30	-35.61974	-0.01423	PASS
					-20	-37.95147	-0.01517	PASS
					-10	-36.83567	-0.01472	PASS
					0	-39.88266	-0.01594	PASS
					10	-38.16605	-0.01525	PASS
					20	-35.36224	-0.01413	PASS
					30	-41.6851	-0.01666	PASS
			40	-37.65106	-0.01505	PASS		
			50	-39.23893	-0.01568	PASS		
			MCH	VN	-30	-14.17637	-0.00559	PASS
					-20	-16.29353	-0.00643	PASS
					-10	-14.63413	-0.00577	PASS
					0	-33.2737	-0.01313	PASS
					10	-15.56396	-0.00614	PASS
					20	-17.73834	-0.007	PASS
					30	-12.0306	-0.00475	PASS
		40			-41.37039	-0.01632	PASS	
		50			-47.43576	-0.01871	PASS	
		HCH	VN	-30	-30.54142	-0.0119	PASS	
				-20	-30.06935	-0.01171	PASS	
				-10	-24.79076	-0.00966	PASS	
				0	-24.34731	-0.00948	PASS	
				10	-26.63612	-0.01037	PASS	
				20	-29.94061	-0.01166	PASS	
				30	-25.4488	-0.00991	PASS	
				40	-26.13544	-0.01018	PASS	
				50	-28.12386	-0.01095	PASS	
		10	LCH	VN	-30	-21.57211	-0.00861	PASS
					-20	-16.5081	-0.00659	PASS
					-10	-21.2431	-0.00848	PASS
0	-16.7799				-0.0067	PASS		
10	-20.29896				-0.0081	PASS		
20	-22.20154				-0.00886	PASS		
30	-16.66546				-0.00665	PASS		
40	-18.79692				-0.0075	PASS		
50	-20.59937				-0.00822	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	-5.90801	-0.00233	PASS
					-20	-4.60625	-0.00182	PASS
					-10	-10.08511	-0.00398	PASS
					0	-21.98696	-0.00867	PASS
					10	-20.9713	-0.00827	PASS
					20	-8.21114	-0.00324	PASS
					30	-8.6689	-0.00342	PASS
					40	-26.17836	-0.01033	PASS
					50	-7.56741	-0.00299	PASS
			HCH	VN	-30	-12.96043	-0.00505	PASS
					-20	-11.78741	-0.0046	PASS
					-10	-10.21385	-0.00398	PASS
					0	-12.63142	-0.00492	PASS
					10	-11.7588	-0.00458	PASS
					20	-11.1866	-0.00436	PASS
					30	-14.59122	-0.00569	PASS
					40	-12.70294	-0.00495	PASS
					50	-10.01358	-0.0039	PASS
		15	LCH	VN	-30	-15.22064	-0.00607	PASS
					-20	-17.95292	-0.00716	PASS
					-10	-13.20362	-0.00527	PASS
					0	-15.69271	-0.00626	PASS
					10	-14.37664	-0.00573	PASS
					20	-16.67976	-0.00665	PASS
					30	-16.63685	-0.00663	PASS
					40	-16.2077	-0.00646	PASS
					50	-14.67705	-0.00585	PASS
			MCH	VN	-30	-13.17501	-0.0052	PASS
					-20	-0.00186	-0.00186	PASS
					-10	-6.9809	-0.00275	PASS
					0	-13.46111	-0.00531	PASS
					10	-3.01838	-0.00119	PASS
					20	-8.54015	-0.00337	PASS
					30	-3.43323	-0.00135	PASS
					40	-16.88004	-0.00666	PASS
					50	-0.05722	-0.00002	PASS
HCH	VN	-30	-9.11236	-0.00356	PASS			
		-20	-12.78877	-0.00499	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					-10	-7.41005	-0.00289	PASS		
					0	-8.74043	-0.00341	PASS		
					10	-8.44002	-0.00329	PASS		
					20	-11.67297	-0.00456	PASS		
					30	-10.28538	-0.00401	PASS		
					40	-11.57284	-0.00452	PASS		
					50	-4.87804	-0.0019	PASS		
		20	LCH	VN	-30	-12.96043	-0.00516	PASS		
					-20	-14.43386	-0.00575	PASS		
					-10	-17.8957	-0.00713	PASS		
					0	-14.41956	-0.00574	PASS		
					10	-12.54559	-0.005	PASS		
					20	-12.78877	-0.0051	PASS		
					30	-14.57691	-0.00581	PASS		
					40	-15.57827	-0.00621	PASS		
					50	-14.47678	-0.00577	PASS		
					MCH	VN	-30	-3.37601	-0.00133	PASS
							-20	-1.30177	-0.00051	PASS
							-10	-1.98841	-0.00078	PASS
							0	-3.70503	-0.00146	PASS
							10	-4.4775	-0.00177	PASS
							20	-3.13282	-0.00124	PASS
		30	-4.73499	-0.00187			PASS			
		40	-2.76089	-0.00109			PASS			
		HCH	VN	-30	-6.95229	-0.00272	PASS			
				-20	-9.52721	-0.00372	PASS			
				-10	-4.50611	-0.00176	PASS			
				0	-7.33852	-0.00287	PASS			
				10	-8.51154	-0.00332	PASS			
				20	-7.39574	-0.00289	PASS			
30	-6.50883			-0.00254	PASS					
40	-5.73635			-0.00224	PASS					
50	-8.85487	-0.00346	PASS							

END