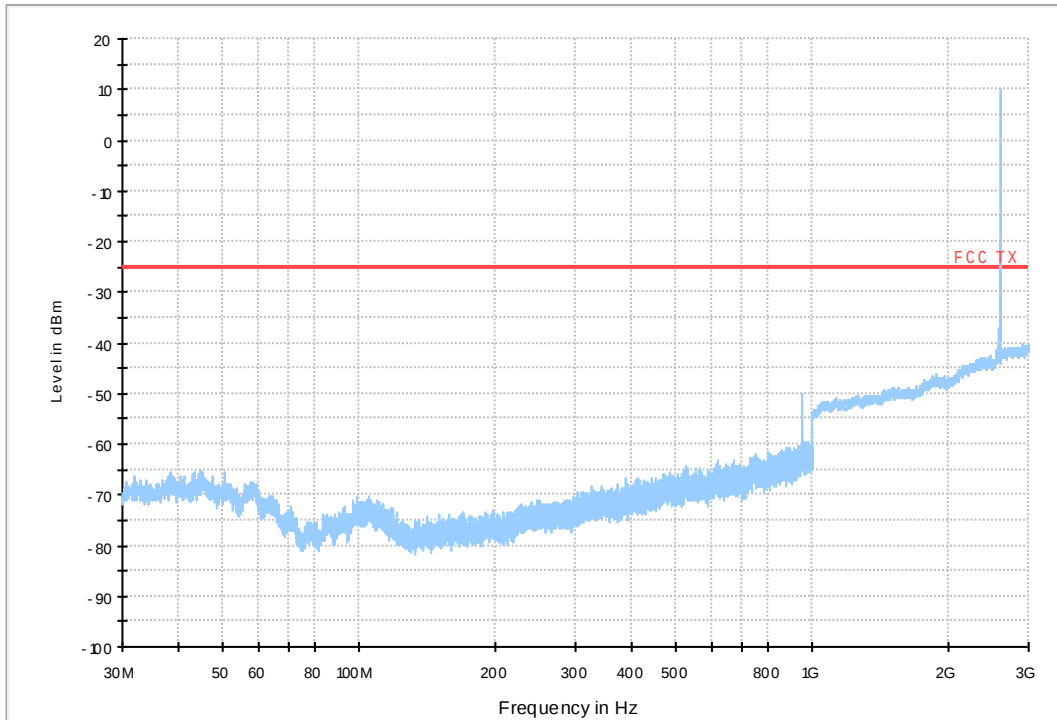
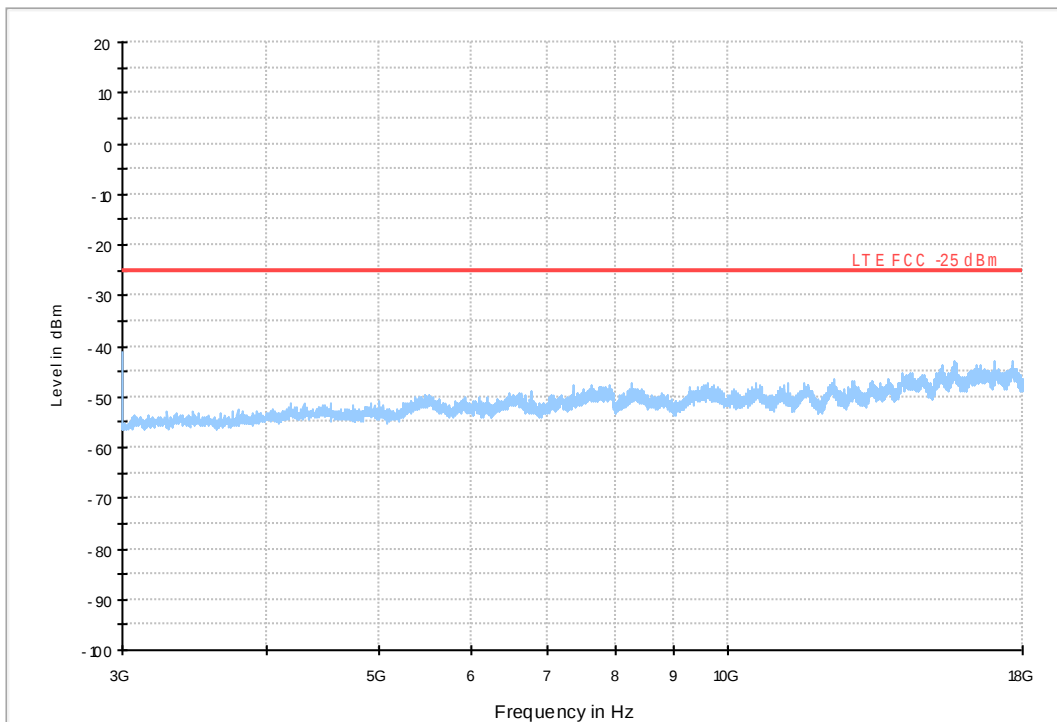


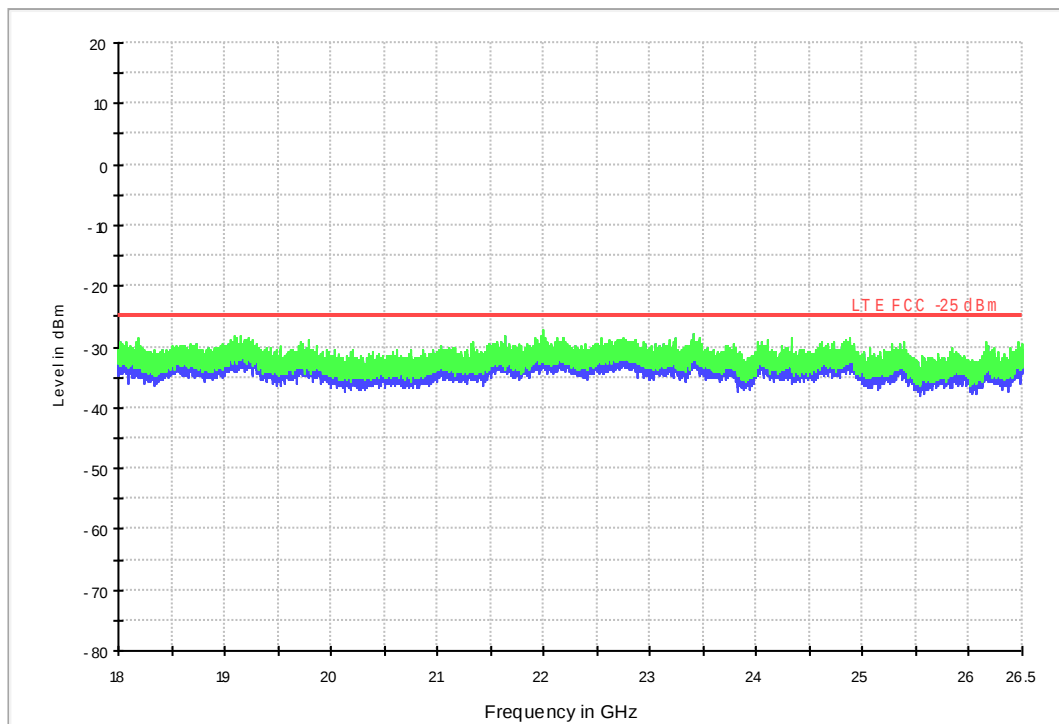
LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



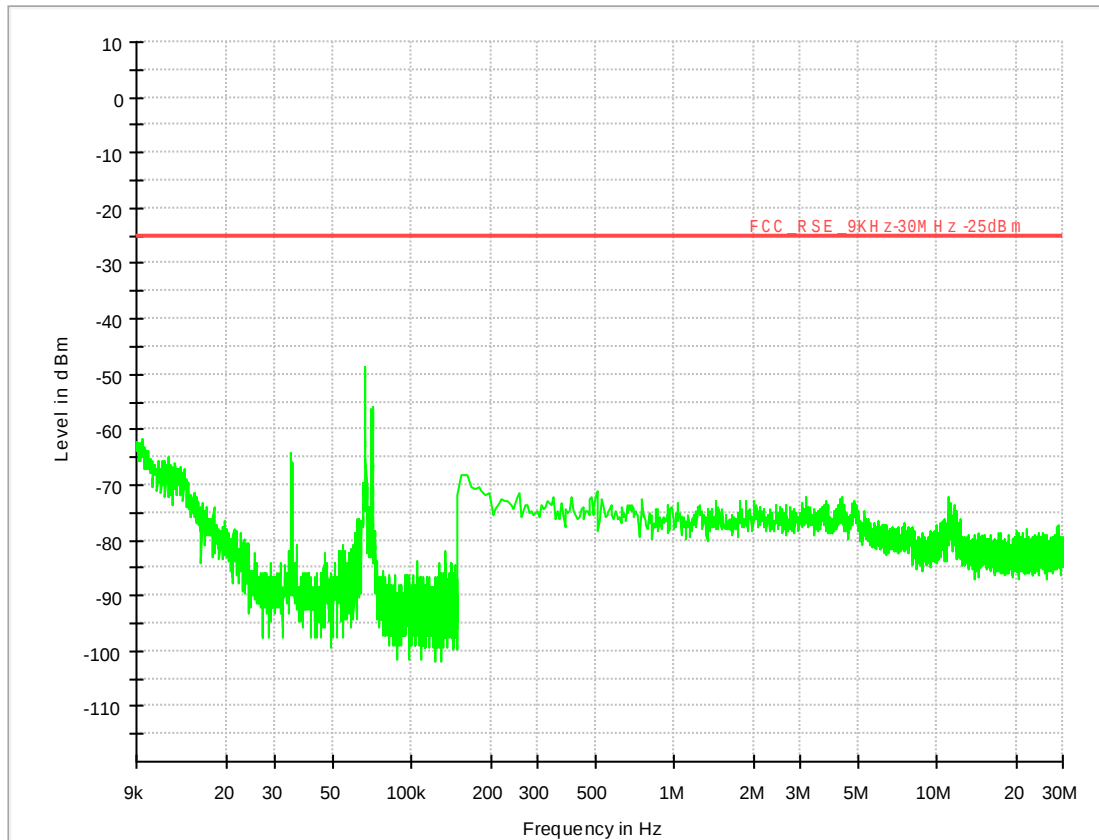
LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



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

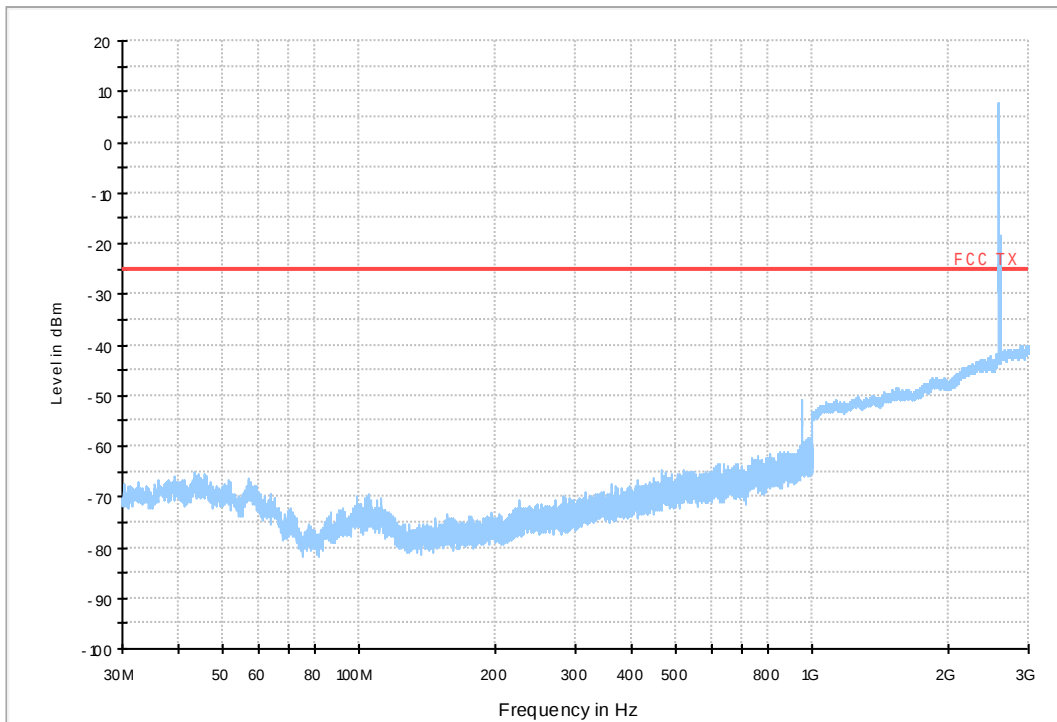


7.1.1.2 Test Bandwidth = 20

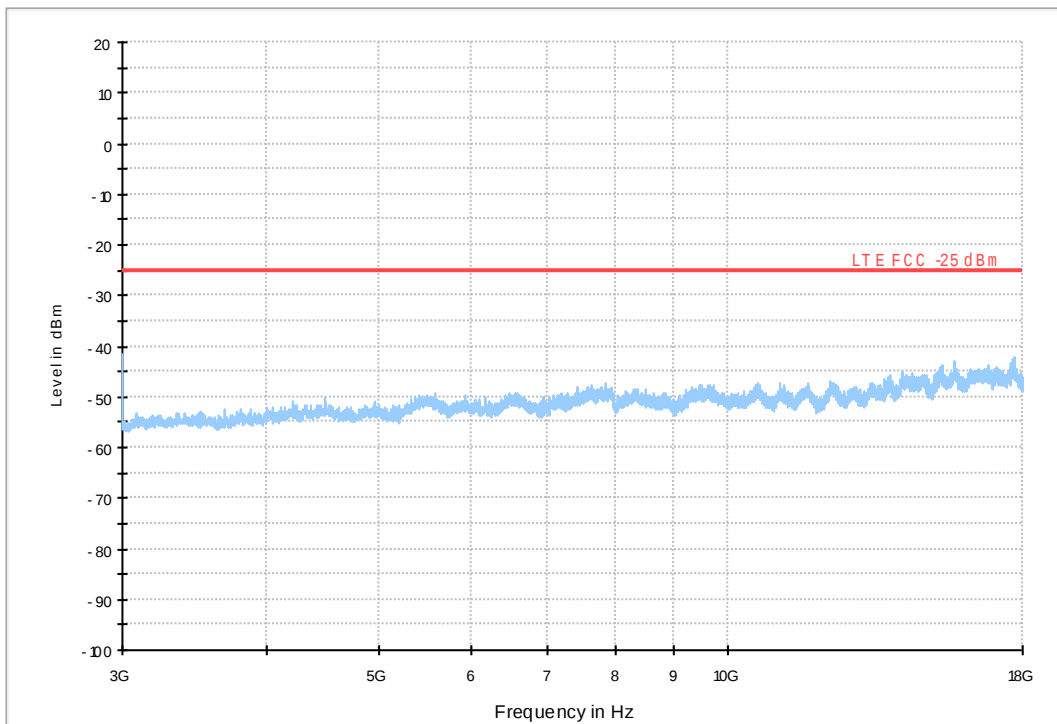




LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit

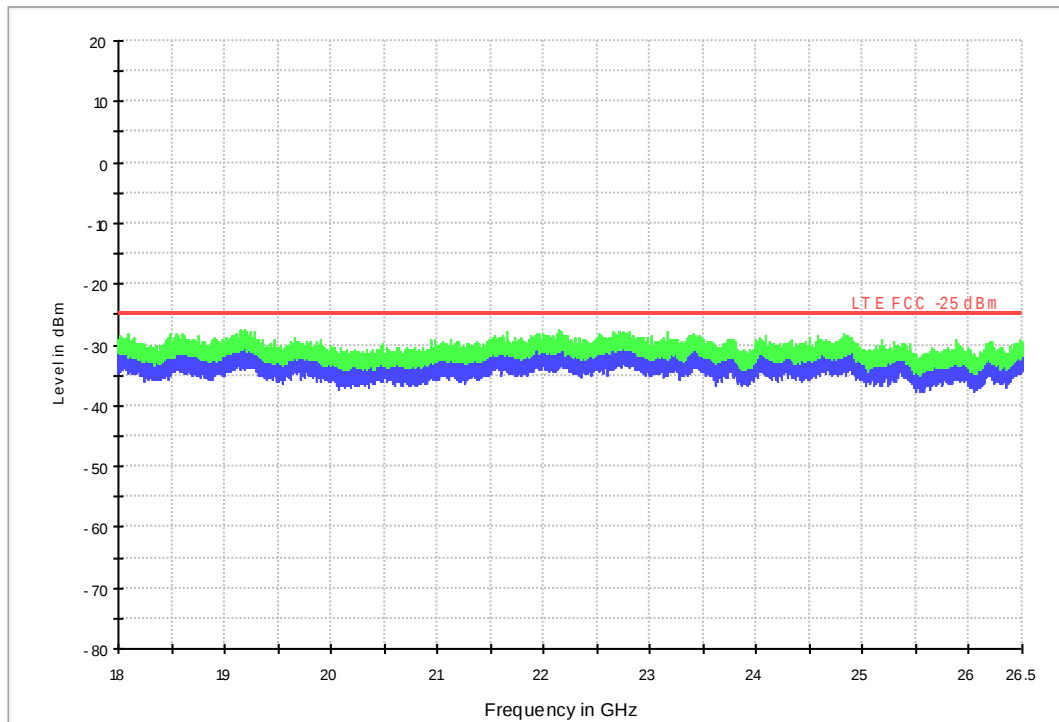


LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



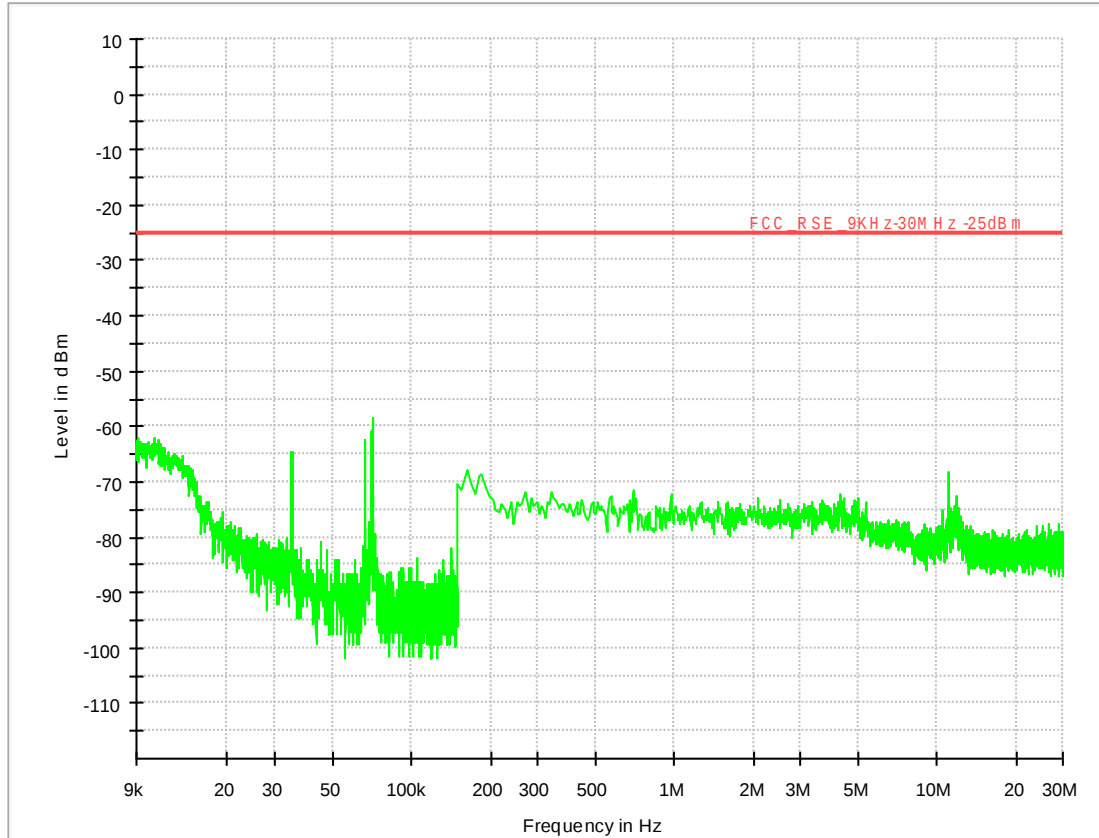


18G~26.5G RSE-TX-DIRECT OR ABOVE 1.5G PK



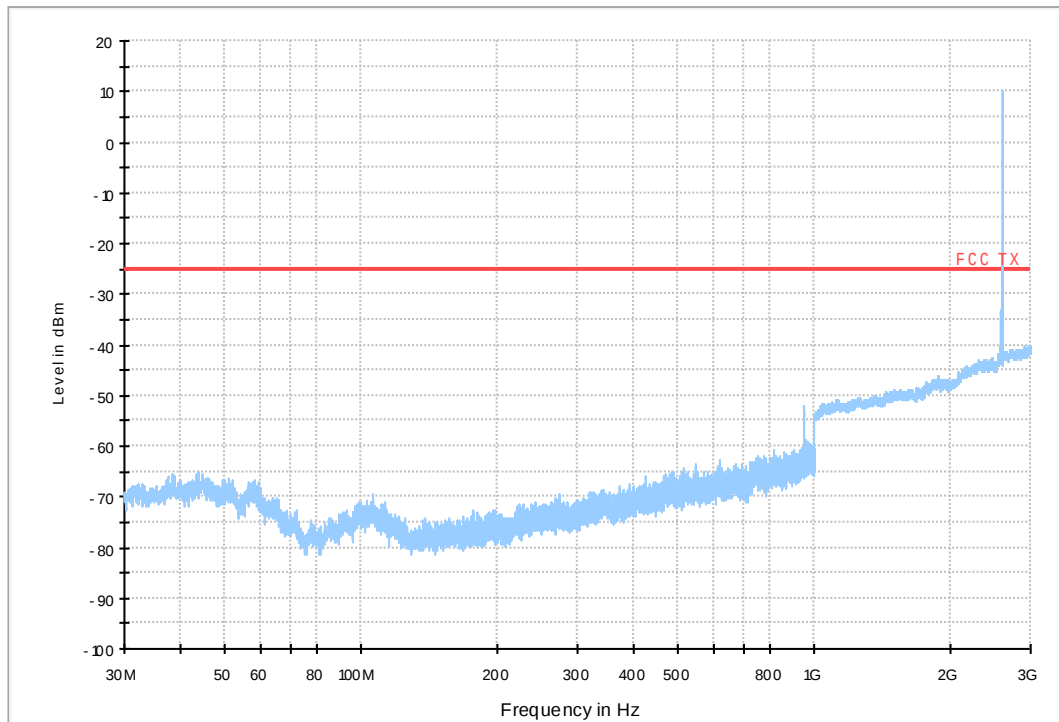
7.1.2 Test Band = BAND41_ANT2

7.1.2.1 Test Bandwidth = 5

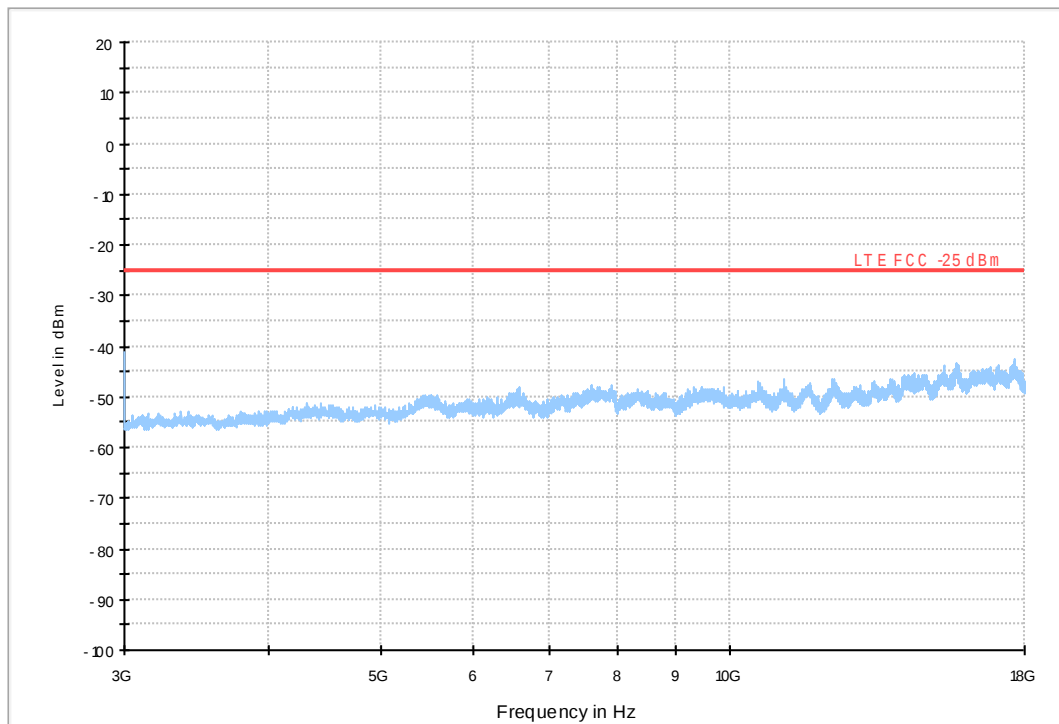




LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit

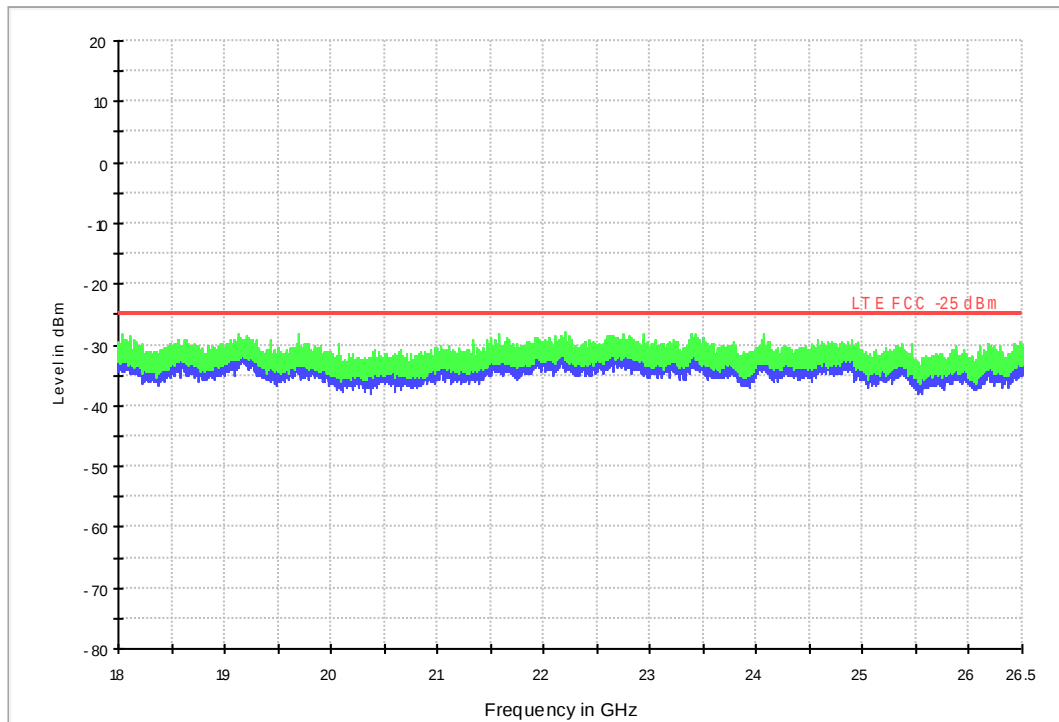


LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit

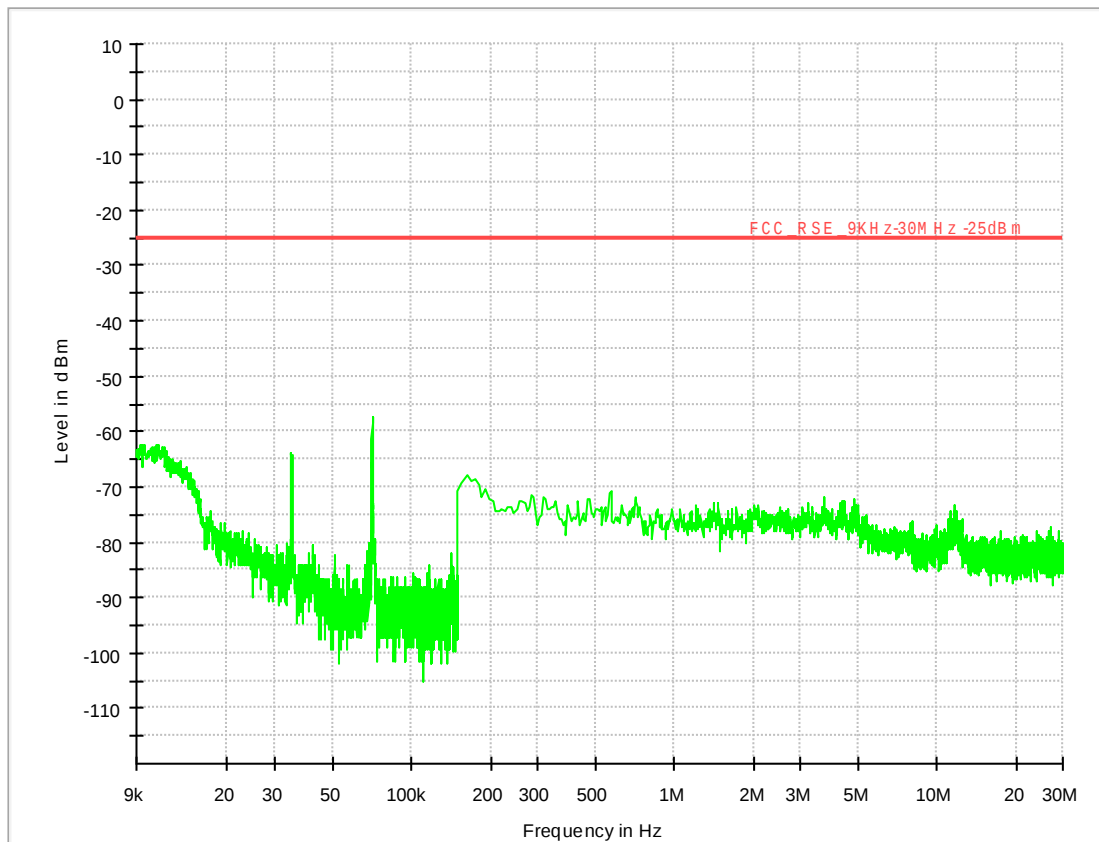




18G~26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

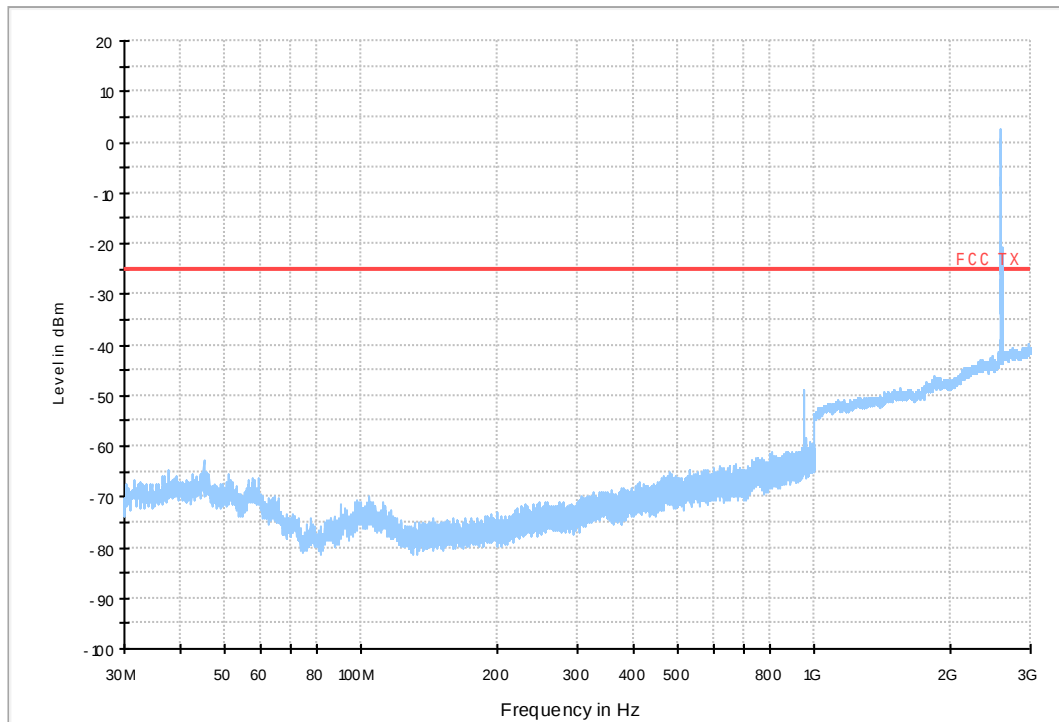


7.1.2.2 Test Bandwidth = 20

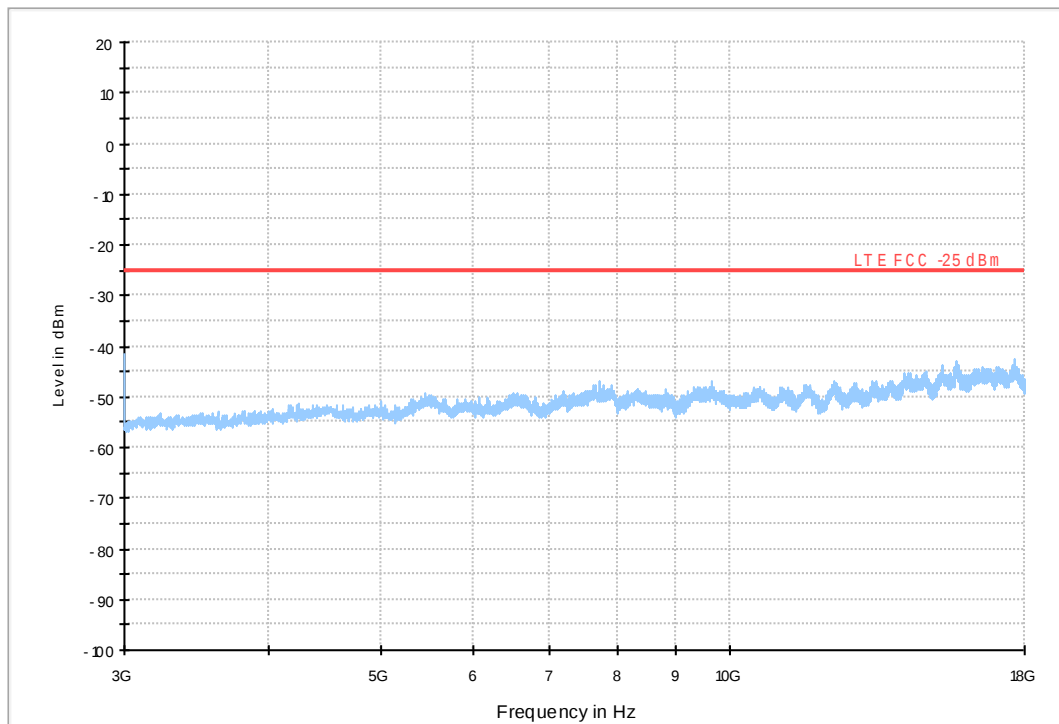




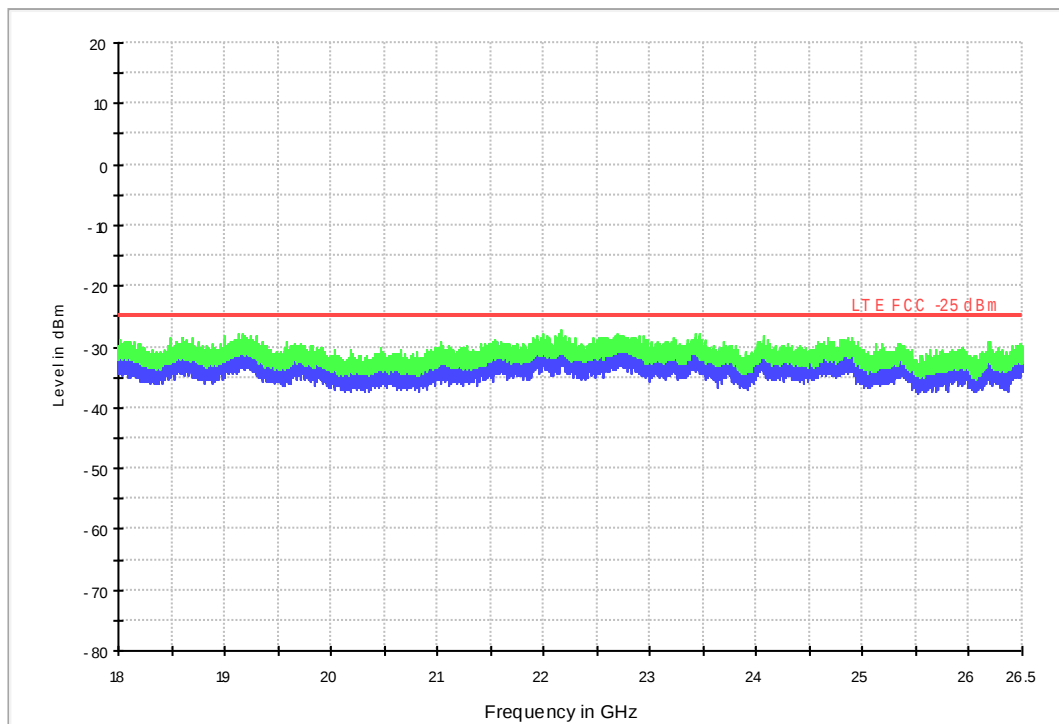
LTETDD Band 38&41 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTETDD Band 38&41 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

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND41	LTE/TM1	5	LCH	TN	VL	-59.43775	-0.02333	PASS
					VN	-3.86238	-0.00152	PASS
					VH	5.42164	0.00213	PASS
			MCH	TN	VL	-3.79086	-0.00146	PASS
					VN	-10.72884	-0.00413	PASS
					VH	-5.16415	-0.00199	PASS
			HCH	TN	VL	-14.23359	-0.00537	PASS
					VN	-20.39909	-0.00769	PASS
					VH	-11.05785	-0.00417	PASS
		10	LCH	TN	VL	-36.49235	-0.01431	PASS
					VN	-16.32214	-0.0064	PASS
					VH	-20.01286	-0.00785	PASS
			MCH	TN	VL	-2.61784	-0.00101	PASS
					VN	-10.14233	-0.0039	PASS
					VH	-4.42028	-0.0017	PASS
			HCH	TN	VL	-8.16822	-0.00308	PASS
					VN	-13.76152	-0.00519	PASS
					VH	-8.85487	-0.00334	PASS
		15	LCH	TN	VL	-38.22327	-0.01497	PASS
					VN	-28.28121	-0.01108	PASS
					VH	-21.95835	-0.0086	PASS
			MCH	TN	VL	-4.64916	-0.00179	PASS
					VN	-7.267	-0.00279	PASS
					VH	-3.69072	-0.00142	PASS
			HCH	TN	VL	-10.31399	-0.0039	PASS
					VN	-16.89434	-0.00638	PASS
					VH	-15.03468	-0.00568	PASS
		20	LCH	TN	VL	-15.29217	-0.00599	PASS
					VN	-22.67361	-0.00887	PASS
					VH	-17.43793	-0.00683	PASS
			MCH	TN	VL	-5.29289	-0.00204	PASS
					VN	-7.8392	-0.00302	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	-4.69208	-0.0018	PASS
					VL	-6.7234	-0.00254	PASS
					VN	-15.17773	-0.00574	PASS
					VH	-11.12938	-0.00421	PASS
		5	LCH	TN	VL	-59.33762	-0.02329	PASS
					VN	-83.12702	-0.03263	PASS
					VH	-67.6775	-0.02657	PASS
			MCH	TN	VL	-6.25134	-0.0024	PASS
					VN	-16.37936	-0.0063	PASS
					VH	-3.54767	-0.00136	PASS
			HCH	TN	VL	-8.61168	-0.00325	PASS
					VN	-20.81394	-0.00785	PASS
					VH	-9.31263	-0.00351	PASS
		10	LCH	TN	VL	-29.61159	-0.01161	PASS
					VN	-49.43848	-0.01939	PASS
					VH	-30.79891	-0.01208	PASS
			MCH	TN	VL	-2.97546	-0.00114	PASS
					VN	-9.44138	-0.00363	PASS
					VH	-3.0899	-0.00119	PASS
			HCH	TN	VL	-7.15256	-0.0027	PASS
					VN	-9.88483	-0.00373	PASS
					VH	-6.49452	-0.00245	PASS
		15	LCH	TN	VL	-31.0564	-0.01217	PASS
					VN	-33.30231	-0.01305	PASS
					VH	-14.03332	-0.0055	PASS
			MCH	TN	VL	-7.03812	-0.00271	PASS
					VN	-8.6832	-0.00334	PASS
					VH	-3.29018	-0.00127	PASS
			HCH	TN	VL	-6.89506	-0.0026	PASS
					VN	-13.18932	-0.00498	PASS
					VH	-4.22001	-0.00159	PASS
		20	LCH	TN	VL	-12.94613	-0.00507	PASS
					VN	-14.8344	-0.00581	PASS
					VH	-13.16071	-0.00515	PASS
			MCH	TN	VL	-7.71046	-0.00297	PASS
					VN	-7.96795	-0.00306	PASS
					VH	-2.5177	-0.00097	PASS
			HCH	TN	VL	-10.01358	-0.00379	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-14.2622	-0.00539	PASS
					VH	-6.49452	-0.00246	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
B41	LTE/TM1	5	LCH	VN	-30	0.97275	0.00038	PASS
					-20	0.22888	0.00009	PASS
					-10	1.48773	0.00058	PASS
					0	-2.05994	-0.00081	PASS
					10	0.92983	0.00036	PASS
					20	-3.86238	-0.00152	PASS
					30	3.3617	0.00132	PASS
					40	0.34332	0.00013	PASS
					50	4.44889	0.00175	PASS
			MCH	VN	-30	-12.5742	-0.00484	PASS
					-20	-11.94477	-0.00459	PASS
					-10	-12.45975	-0.00479	PASS
					0	-12.94613	-0.00498	PASS
					10	-12.45975	-0.00479	PASS
					20	-10.72884	-0.00413	PASS
					30	-13.34667	-0.00513	PASS
					40	-12.91752	-0.00497	PASS
					50	-15.97881	-0.00615	PASS
			HCH	VN	-30	-19.74106	-0.00744	PASS
					-20	-20.82825	-0.00785	PASS
					-10	-20.4134	-0.0077	PASS
					0	-19.04011	-0.00718	PASS
					10	-19.0115	-0.00717	PASS
					20	-20.39909	-0.00769	PASS
					30	-17.46655	-0.00658	PASS
					40	-21.2431	-0.00801	PASS
					50	-19.19746	-0.00724	PASS
		10	LCH	VN	-30	-20.38479	-0.00799	PASS
					-20	-23.13137	-0.00907	PASS
					-10	-22.27306	-0.00873	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			0	-49.39556	-0.01937	PASS
					10	-20.57076	-0.00807	PASS
					20	-16.32214	-0.0064	PASS
					30	-22.645	-0.00888	PASS
					40	-20.79964	-0.00816	PASS
					50	-20.6995	-0.00812	PASS
			MCH	VN	-30	-10.84328	-0.00417	PASS
					-20	-9.89914	-0.00381	PASS
					-10	-10.47134	-0.00403	PASS
					0	-8.88348	-0.00342	PASS
					10	-8.58307	-0.0033	PASS
					20	-10.14233	-0.0039	PASS
					30	-7.65324	-0.00294	PASS
					40	-8.28266	-0.00319	PASS
					50	-6.45161	-0.00248	PASS
			HCH	VN	-30	-14.30511	-0.0054	PASS
					-20	-15.57827	-0.00588	PASS
					-10	-11.94477	-0.00451	PASS
					0	-13.47542	-0.00509	PASS
					10	-13.90457	-0.00525	PASS
					20	-13.76152	-0.00519	PASS
					30	-17.29488	-0.00653	PASS
					40	-17.03739	-0.00643	PASS
					50	-13.74722	-0.00519	PASS
			LCH	VN	-30	-26.37863	-0.01033	PASS
					-20	-23.66066	-0.00927	PASS
					-10	-36.67831	-0.01437	PASS
					0	-27.4229	-0.01074	PASS
					10	-26.77917	-0.01049	PASS
					20	-28.28121	-0.01108	PASS
					30	-41.09859	-0.0161	PASS
					40	-25.53463	-0.01	PASS
					50	-22.73083	-0.00891	PASS
			MCH	VN	-30	-11.04355	-0.00425	PASS
					-20	-12.84599	-0.00494	PASS
					-10	-9.18388	-0.00353	PASS
					0	-10.37121	-0.00399	PASS
					10	-8.84056	-0.0034	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-7.267	-0.00279	PASS
					30	-10.95772	-0.00421	PASS
					40	-14.19067	-0.00546	PASS
					50	-8.65459	-0.00333	PASS
			HCH	VN	-30	-15.70702	-0.00593	PASS
					-20	-21.57211	-0.00815	PASS
					-10	-16.93726	-0.0064	PASS
					0	-17.25197	-0.00652	PASS
					10	-17.36641	-0.00656	PASS
					20	-16.89434	-0.00638	PASS
					30	-16.26492	-0.00614	PASS
					40	-11.85894	-0.00448	PASS
					50	-23.31734	-0.00881	PASS
		20	LCH	VN	-30	-22.18723	-0.00868	PASS
					-20	-18.98289	-0.00743	PASS
					-10	-18.92567	-0.00741	PASS
					0	-18.06736	-0.00707	PASS
					10	-19.05441	-0.00746	PASS
					20	-22.67361	-0.00887	PASS
					30	-21.02852	-0.00823	PASS
					40	-20.19882	-0.00791	PASS
					50	-20.35618	-0.00797	PASS
			MCH	VN	-30	-8.76904	-0.00337	PASS
					-20	-8.99792	-0.00346	PASS
					-10	-9.81331	-0.00377	PASS
					0	-10.45704	-0.00402	PASS
					10	-10.28538	-0.00396	PASS
					20	-7.8392	-0.00302	PASS
					30	-8.99792	-0.00346	PASS
					40	-6.96659	-0.00268	PASS
					50	-9.59873	-0.00369	PASS
			HCH	VN	-30	-15.96451	-0.00604	PASS
					-20	-14.79149	-0.00559	PASS
					-10	-15.73563	-0.00595	PASS
					0	-15.63549	-0.00591	PASS
					10	-11.98769	-0.00453	PASS
					20	-15.17773	-0.00574	PASS
					30	-13.7043	-0.00518	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-19.84119	-0.0075	PASS
					50	-17.91	-0.00677	PASS
	LTE/TM2	5	LCH	VN	-30	-46.03386	-0.01807	PASS
					-20	-25.20561	-0.00989	PASS
					-10	-69.30828	-0.02721	PASS
					0	-71.12503	-0.02792	PASS
					10	-51.29814	-0.02014	PASS
					20	-83.12702	-0.03263	PASS
					30	-30.756	-0.01207	PASS
					40	-75.25921	-0.02954	PASS
					50	-65.97519	-0.0259	PASS
			MCH	VN	-30	-14.23359	-0.00547	PASS
					-20	-13.23223	-0.00509	PASS
					-10	-11.70158	-0.0045	PASS
					0	-11.97338	-0.00461	PASS
					10	-12.48837	-0.0048	PASS
					20	-16.37936	-0.0063	PASS
					30	-8.41141	-0.00324	PASS
					40	-10.57148	-0.00407	PASS
					50	-15.83576	-0.00609	PASS
			HCH	VN	-30	-18.63956	-0.00703	PASS
					-20	-20.54214	-0.00774	PASS
					-10	-15.87868	-0.00599	PASS
					0	-16.80851	-0.00634	PASS
					10	-18.56804	-0.007	PASS
					20	-20.81394	-0.00785	PASS
					30	-17.48085	-0.00659	PASS
					40	-18.69678	-0.00705	PASS
					50	-20.72811	-0.00781	PASS
		10	LCH	VN	-30	-45.23277	-0.01774	PASS
					-20	-35.2335	-0.01382	PASS
					-10	-49.36695	-0.01936	PASS
					0	-39.61086	-0.01553	PASS
					10	-35.06184	-0.01375	PASS
					20	-49.43848	-0.01939	PASS
					30	-46.92078	-0.0184	PASS
					40	-18.48221	-0.00725	PASS
					50	-41.27026	-0.01618	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	-10.14233	-0.0039	PASS
					-20	-9.81331	-0.00377	PASS
					-10	-11.52992	-0.00443	PASS
					0	-8.03947	-0.00309	PASS
					10	-11.37257	-0.00437	PASS
					20	-9.44138	-0.00363	PASS
					30	-10.24246	-0.00394	PASS
					40	-5.13554	-0.00198	PASS
					50	-9.15527	-0.00352	PASS
			HCH	VN	-30	-11.7588	-0.00444	PASS
					-20	-15.76424	-0.00595	PASS
					-10	-13.74722	-0.00519	PASS
					0	-13.96179	-0.00527	PASS
					10	-14.30511	-0.0054	PASS
					20	-9.88483	-0.00373	PASS
					30	-14.04762	-0.0053	PASS
					40	-16.98017	-0.00641	PASS
					50	-12.21657	-0.00461	PASS
		15	LCH	VN	-30	-19.55509	-0.00766	PASS
					-20	-38.79547	-0.0152	PASS
					-10	-37.77981	-0.0148	PASS
					0	-35.8057	-0.01403	PASS
					10	-30.84183	-0.01208	PASS
					20	-33.30231	-0.01305	PASS
					30	-37.33635	-0.01463	PASS
					40	-39.86835	-0.01562	PASS
					50	-29.54006	-0.01157	PASS
			MCH	VN	-30	-7.45296	-0.00287	PASS
					-20	-0.00259	-0.00259	PASS
					-10	-9.99928	-0.00385	PASS
					0	-8.74043	-0.00336	PASS
					10	-8.71181	-0.00335	PASS
					20	-8.6832	-0.00334	PASS
					30	-8.69751	-0.00335	PASS
					40	-13.9761	-0.00538	PASS
					50	-1.83106	-0.0007	PASS
			HCH	VN	-30	-15.50674	-0.00586	PASS
					-20	-13.48972	-0.0051	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-13.03196	-0.00492	PASS
					0	-16.42227	-0.0062	PASS
					10	-14.21928	-0.00537	PASS
					20	-13.18932	-0.00498	PASS
					30	-14.94884	-0.00565	PASS
					40	-17.98153	-0.00679	PASS
					50	-15.69271	-0.00593	PASS
		20	LCH	VN	-30	-17.39502	-0.00681	PASS
					-20	-17.22336	-0.00674	PASS
					-10	-18.59665	-0.00728	PASS
					0	-13.20362	-0.00517	PASS
					10	-18.06736	-0.00707	PASS
					20	-14.8344	-0.00581	PASS
					30	-18.48221	-0.00723	PASS
					40	-17.86709	-0.00699	PASS
					50	-18.48221	-0.00723	PASS
			MCH	VN	-30	-6.80924	-0.00262	PASS
					-20	-11.28674	-0.00434	PASS
					-10	-11.50131	-0.00442	PASS
					0	-6.90937	-0.00266	PASS
					10	-7.32422	-0.00282	PASS
					20	-7.96795	-0.00306	PASS
					30	-5.57899	-0.00215	PASS
					40	-10.19955	-0.00392	PASS
					50	-1.27316	-0.00049	PASS
			HCH	VN	-30	-13.21793	-0.005	PASS
					-20	-12.50267	-0.00473	PASS
					-10	-15.6641	-0.00592	PASS
					0	-14.77718	-0.00559	PASS
					10	-16.76559	-0.00634	PASS
					20	-14.2622	-0.00539	PASS
					30	-12.76016	-0.00482	PASS
					40	-8.69751	-0.00329	PASS
					50	-9.04083	-0.00342	PASS

END