

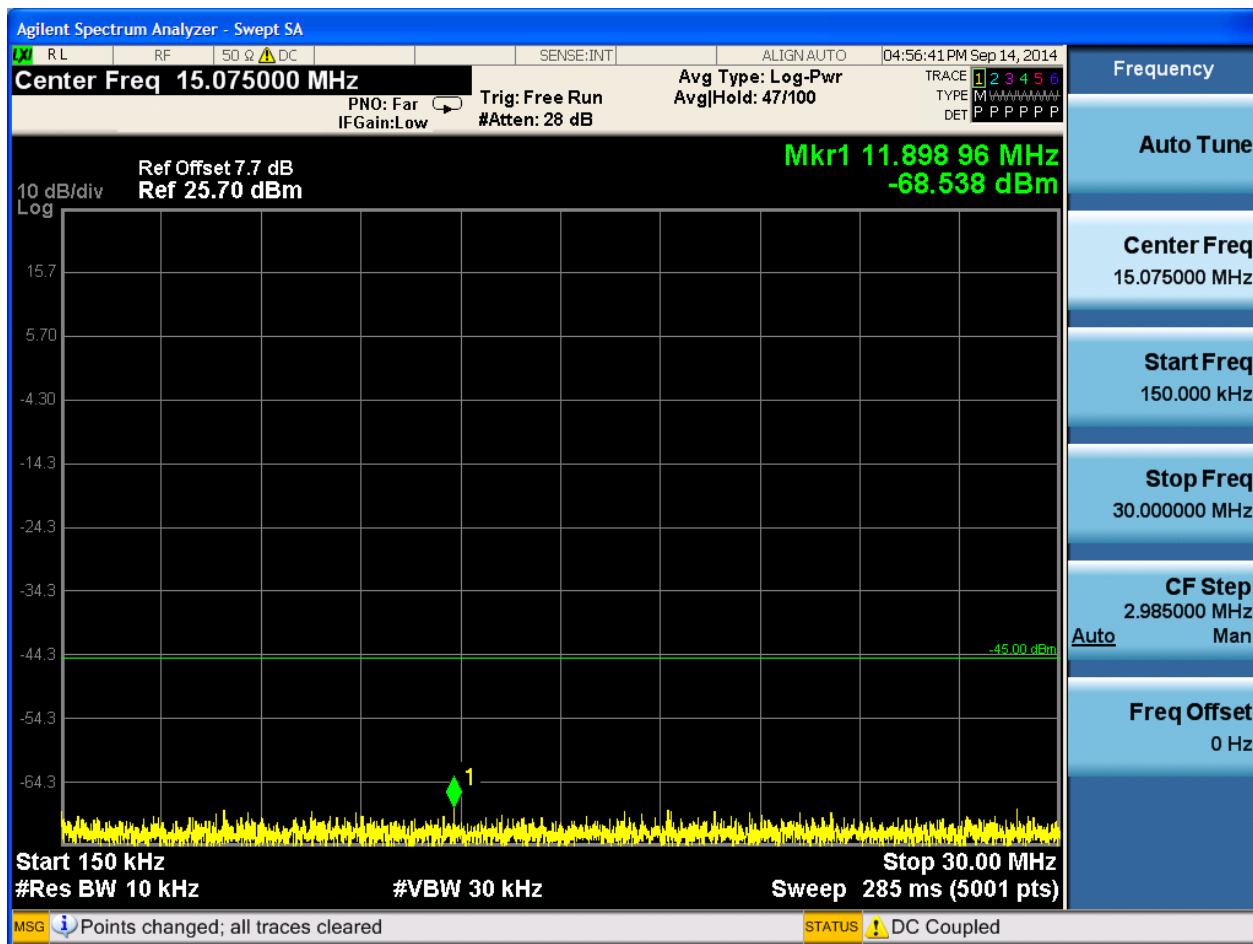




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



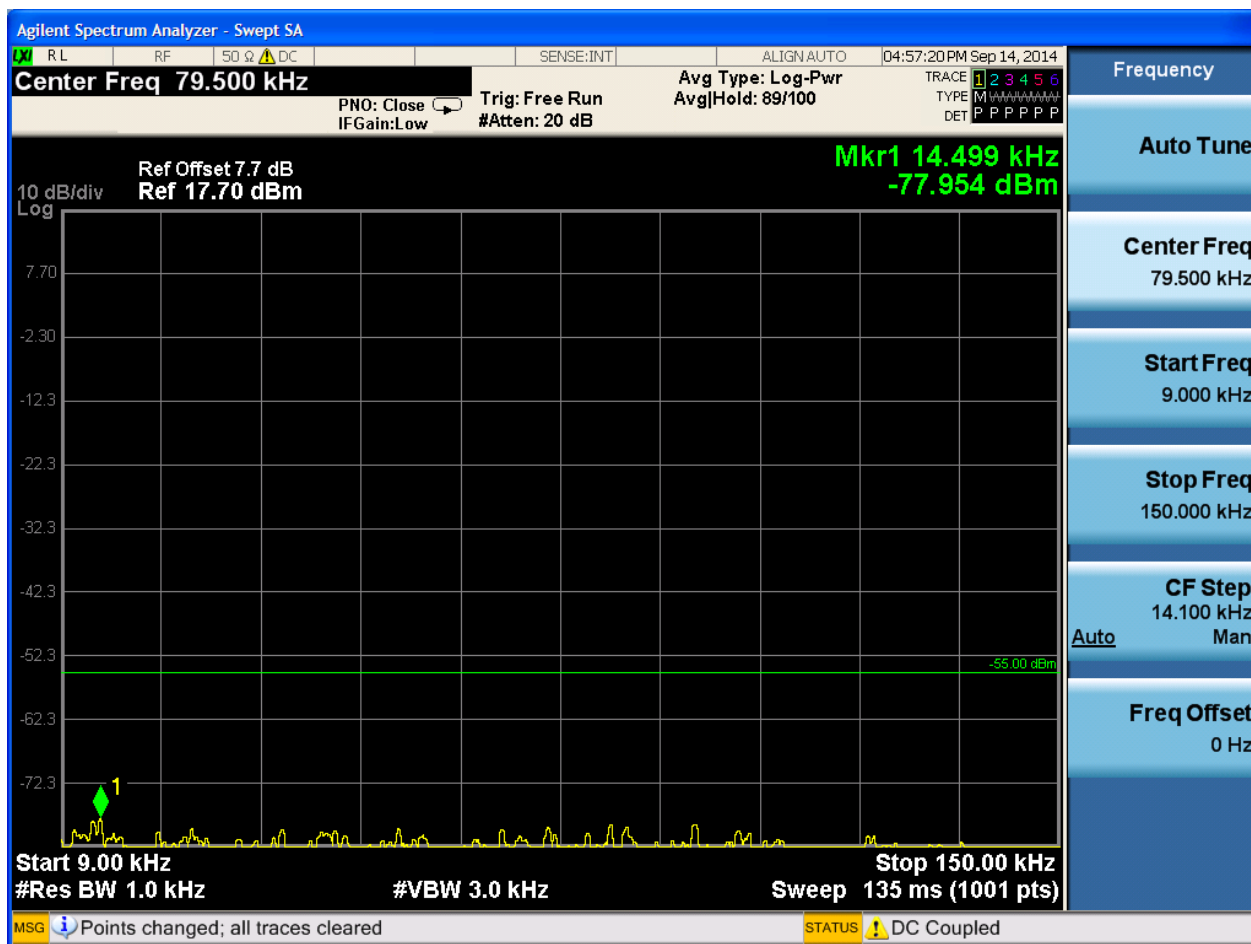






6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

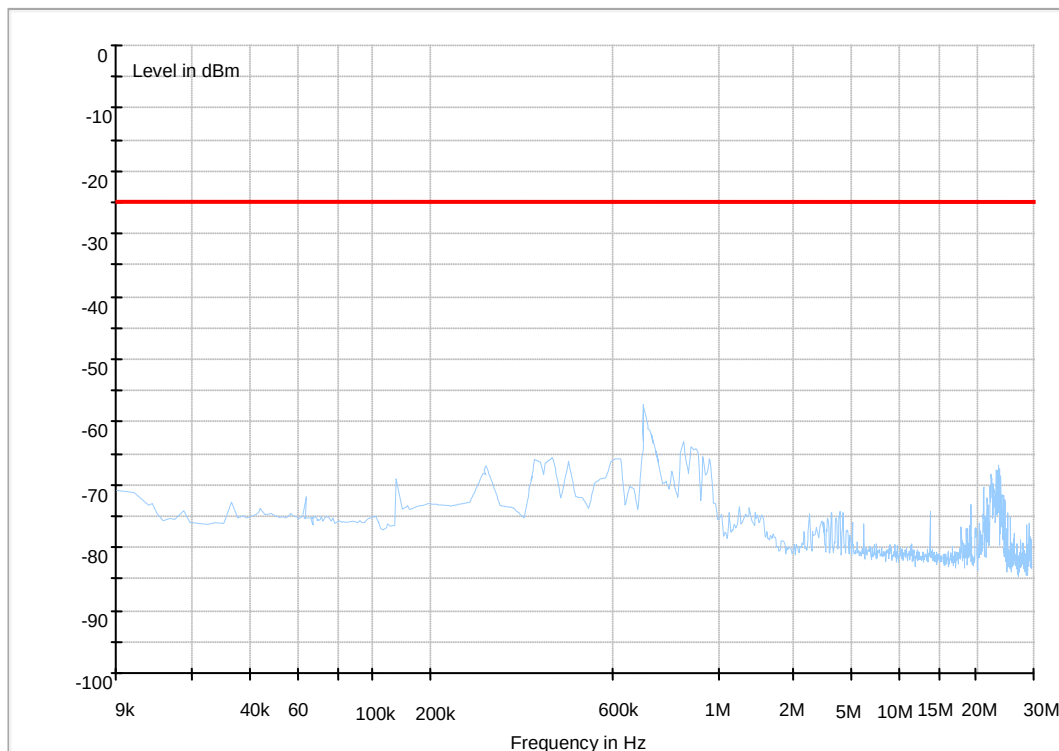
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

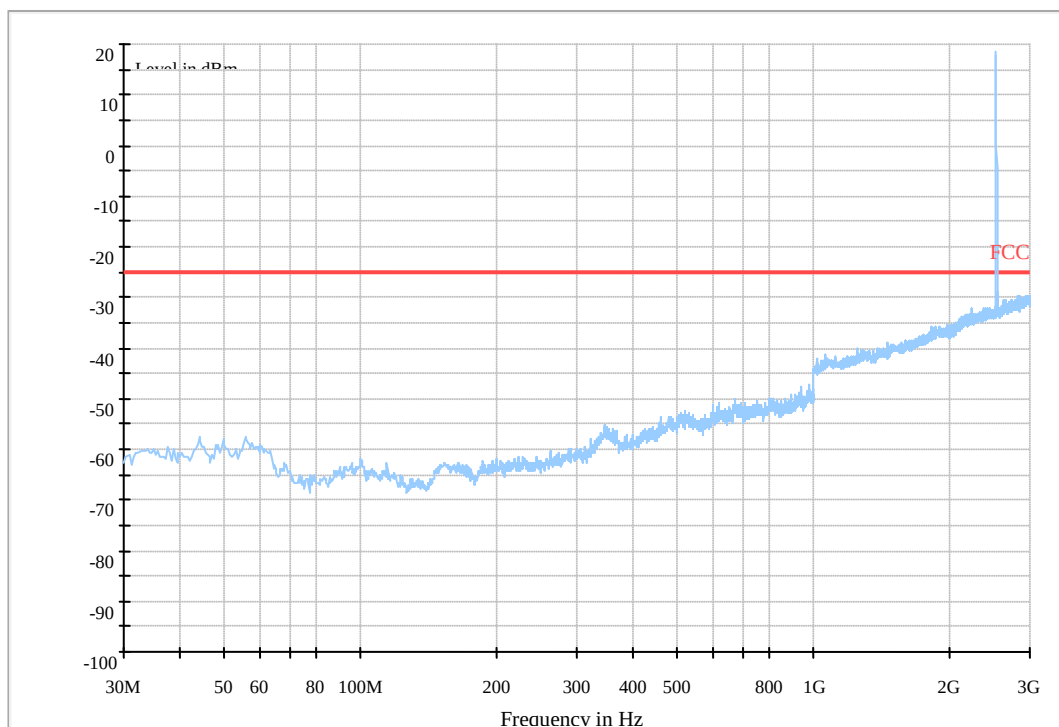
7.1 For LTE

7.1.1 Test Band = BAND7

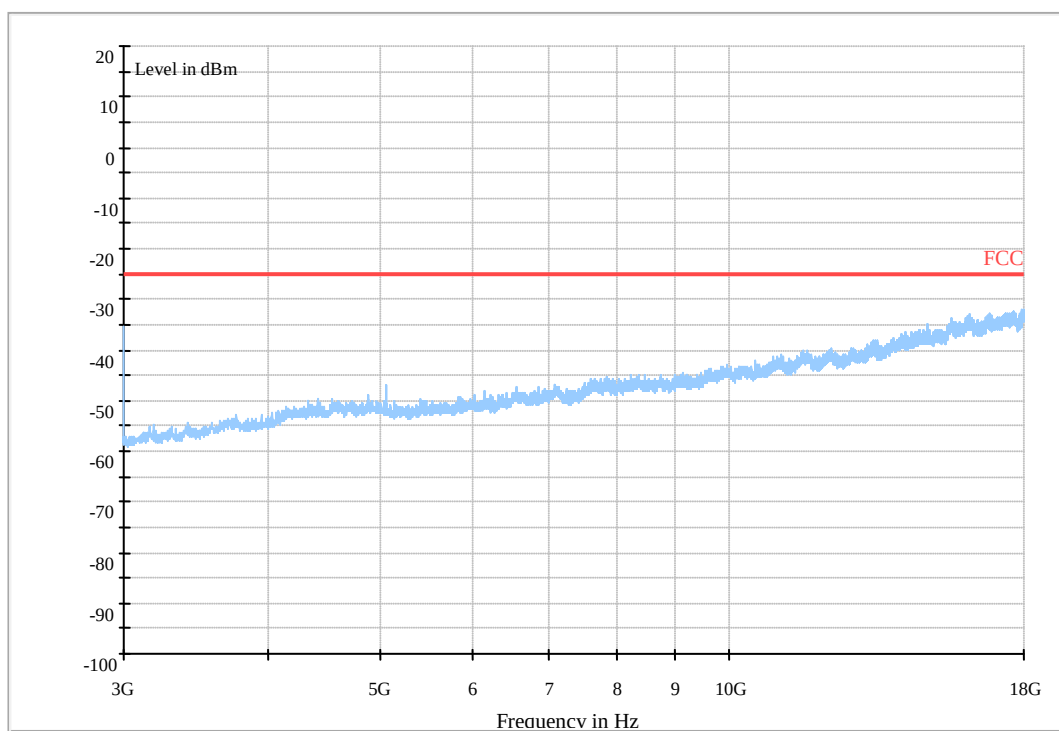
7.1.1.1 Test Bandwidth = 5

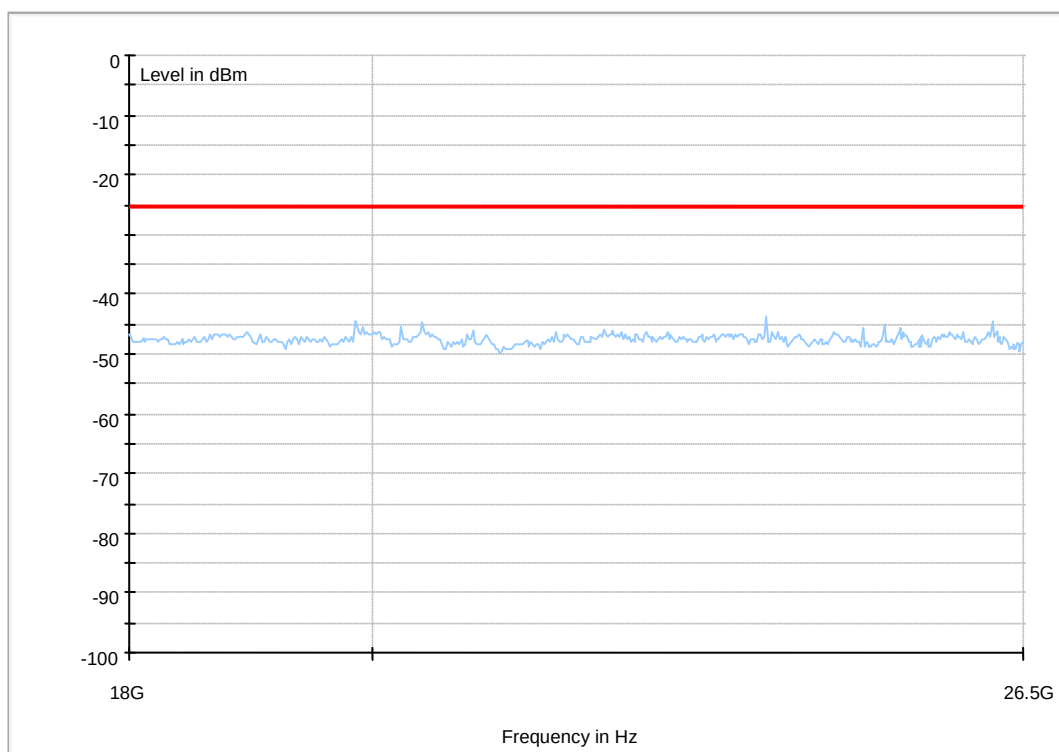


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

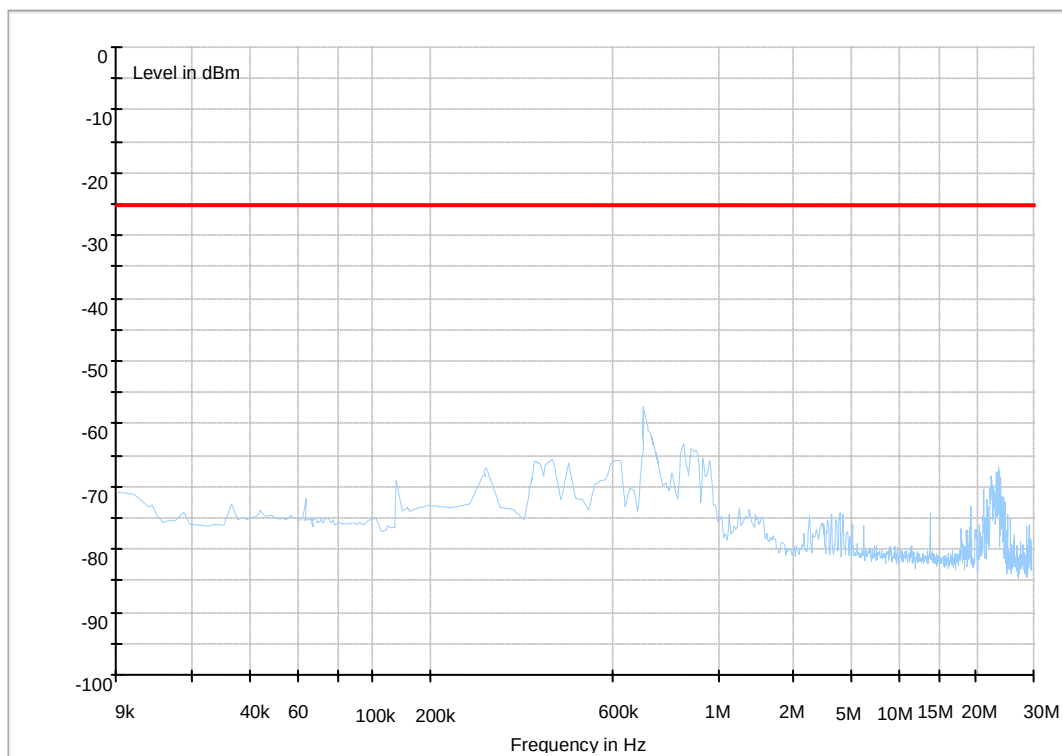


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

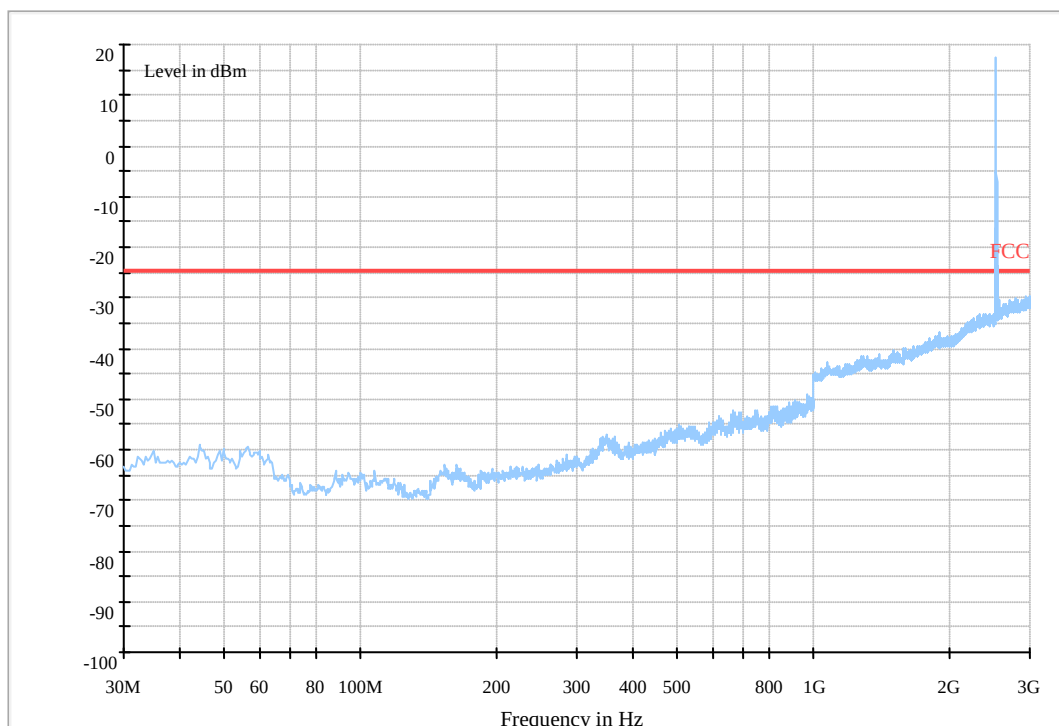




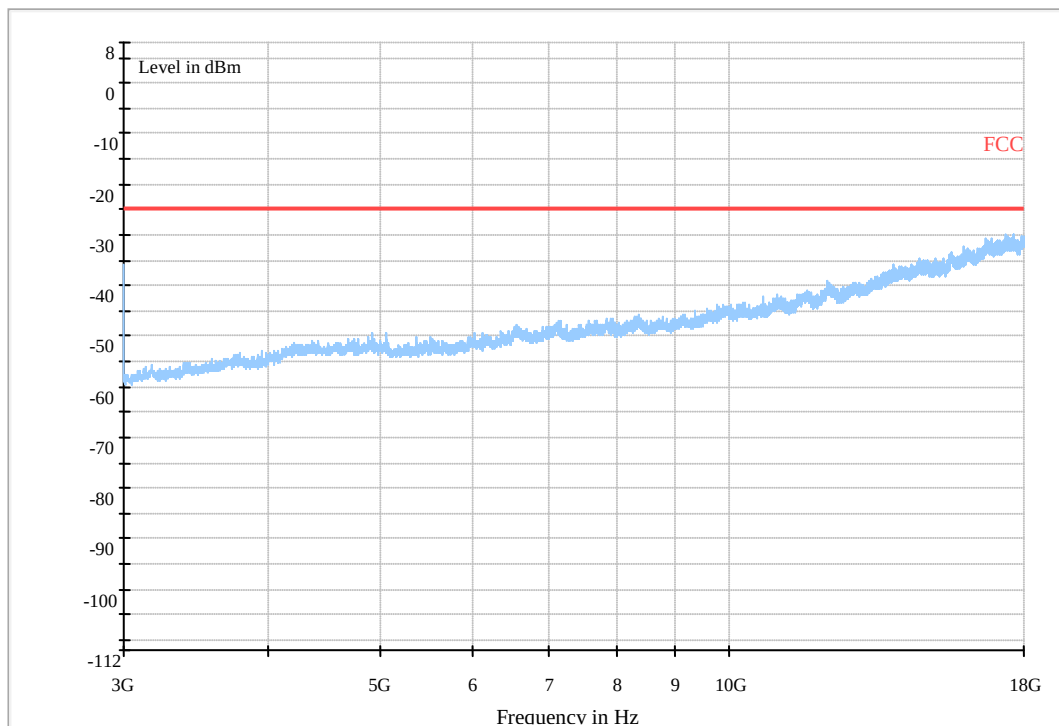
7.3.4.2 Test Bandwidth = 20

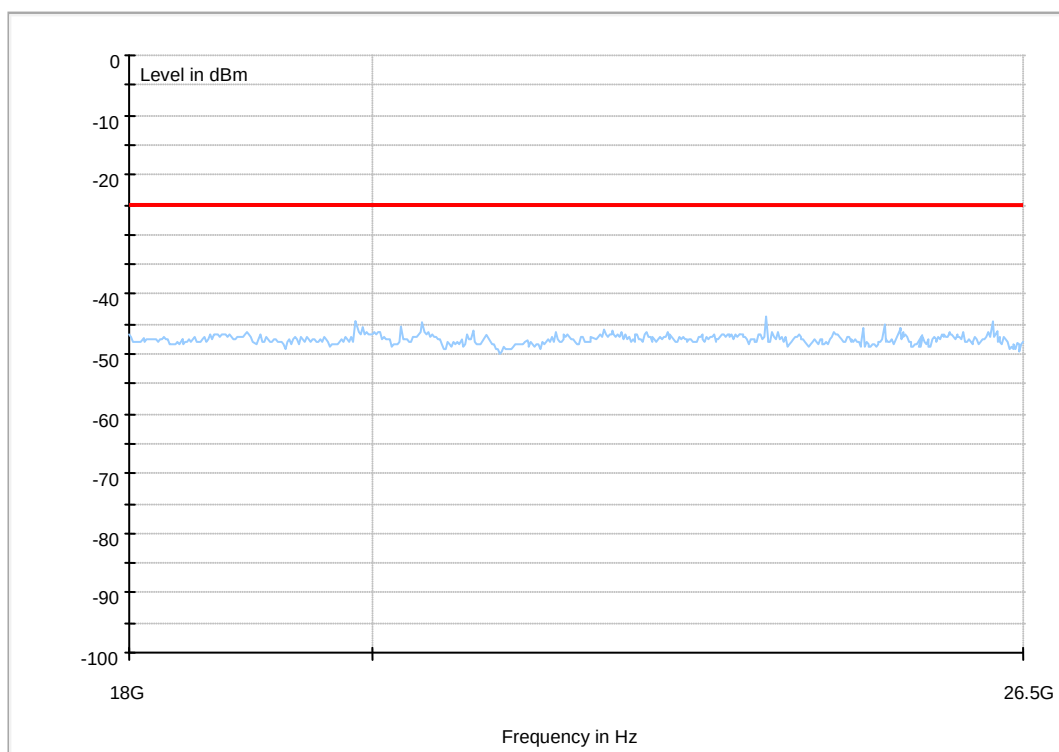


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





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
BAND7	LTE/TM1	5	LCH	TN	VL	-18.98	-0.00758	PASS
					VN	-10.99	-0.00439	PASS
					VH	-0.07	-0.00003	PASS
			MCH	TN	VL	-11.07	-0.00437	PASS
					VN	1.27	0.0005	PASS
					VH	0.51	0.0002	PASS
			HCH	TN	VL	0.3	0.00012	PASS
					VN	-10.44	-0.00407	PASS
					VH	16.99	0.00662	PASS
		10	LCH	TN	VL	-0.36	-0.00014	PASS
					VN	-13.99	-0.00558	PASS
					VH	6.02	0.0024	PASS
			MCH	TN	VL	0.8	0.00032	PASS
					VN	6.01	0.00237	PASS
					VH	-4.51	-0.00178	PASS
			HCH	TN	VL	16.55	0.00645	PASS
					VN	10.21	0.00398	PASS
					VH	3.46	0.00135	PASS
		15	LCH	TN	VL	6.28	0.0025	PASS
					VN	10.63	0.00424	PASS
					VH	-7.41	-0.00296	PASS
			MCH	TN	VL	7.28	0.00287	PASS
					VN	-11.04	-0.00436	PASS
					VH	9.13	0.0036	PASS
			HCH	TN	VL	-21.6	-0.00843	PASS
					VN	-2.49	-0.00097	PASS
					VH	-14.19	-0.00554	PASS
		20	LCH	TN	VL	-16.42	-0.00654	PASS
					VN	-16.47	-0.00656	PASS
					VH	-8.33	-0.00332	PASS
			MCH	TN	VL	3.18	0.00125	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	VN	-7.6	-0.003	PASS
					VH	-12.22	-0.00482	PASS
					VL	3.08	0.0012	PASS
					VN	4.46	0.00174	PASS
					VH	6.85	0.00268	PASS
					VL	-21.04	-0.00841	PASS
		5	LCH	TN	VN	-1.95	-0.00078	PASS
					VH	-18.15	-0.00725	PASS
					VL	-17.45	-0.00688	PASS
			MCH	TN	VN	9.41	0.00371	PASS
					VH	1.73	0.00068	PASS
					VL	-10.07	-0.00392	PASS
			HCH	TN	VN	5.69	0.00222	PASS
					VH	-11.93	-0.00465	PASS
					VL	-0.39	-0.00016	PASS
		10	LCH	TN	VN	-13.83	-0.00552	PASS
					VH	10.26	0.0041	PASS
					VL	-4.23	-0.00167	PASS
			MCH	TN	VN	-14.79	-0.00583	PASS
					VH	10.39	0.0041	PASS
					VL	8.78	0.00342	PASS
			HCH	TN	VN	-0.56	-0.00022	PASS
					VH	1.8	0.0007	PASS
					VL	3.58	0.00143	PASS
		15	LCH	TN	VN	11.59	0.00462	PASS
					VH	-7.5	-0.00299	PASS
					VL	-7.27	-0.00287	PASS
			MCH	TN	VN	-15.65	-0.00617	PASS
					VH	3.3	0.0013	PASS
					VL	-13.22	-0.00516	PASS
			HCH	TN	VN	-1.59	-0.00062	PASS
					VH	-10.47	-0.00409	PASS
					VL	-16.92	-0.00674	PASS
		20	LCH	TN	VN	-10.7	-0.00426	PASS
					VH	-11.73	-0.00467	PASS
					VL	-19.88	-0.00784	PASS
			MCH	TN	VN	-1.63	-0.00064	PASS
					VH	-16.14	-0.00637	PASS
					VL	5.98	0.00234	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	4.03	0.00157	PASS
					VH	-14.22	-0.00555	PASS

8.1.2 Frequency Error vs. Temperature:

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	VN	-30	-6.81	-0.00272	PASS
					-20	-20.26	-0.0081	PASS
					-10	-10.51	-0.0042	PASS
					0	-6.15	-0.00246	PASS
					10	-0.26	-0.0001	PASS
					20	0.93	0.00037	PASS
					30	1.85	0.00074	PASS
					40	0.76	0.0003	PASS
					50	-16.35	-0.00653	PASS
			MCH	VN	-30	4.02	0.00159	PASS
					-20	4.61	0.00182	PASS
					-10	4.69	0.00185	PASS
					0	5.28	0.00208	PASS
					10	5.15	0.00203	PASS
					20	5.72	0.00226	PASS
					30	3.38	0.00133	PASS
					40	3.06	0.00121	PASS
					50	4.21	0.00166	PASS
			HCH	VN	-30	-2.83	-0.0011	PASS
					-20	-3.58	-0.00139	PASS
					-10	-4.38	-0.00171	PASS
					0	-4.18	-0.00163	PASS
					10	-5.36	-0.00209	PASS
					20	-7.2	-0.0028	PASS
					30	-6.45	-0.00251	PASS
					40	-5.71	-0.00222	PASS
					50	-6.51	-0.00254	PASS
		10	LCH	VN	-30	-7.77	-0.0031	PASS
					-20	-10.01	-0.004	PASS
					-10	-11.79	-0.00471	PASS
					0	-15.38	-0.00614	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-17.6	-0.00703	PASS
					20	-9.28	-0.0037	PASS
					30	8.78	0.0035	PASS
					40	8.3	0.00331	PASS
					50	0.92	0.00037	PASS
			MCH	VN	-30	-16.75	-0.00661	PASS
					-20	13.06	0.00515	PASS
					-10	8.64	0.00341	PASS
					0	5.54	0.00219	PASS
					10	1.92	0.00076	PASS
					20	-0.72	-0.00028	PASS
					30	-5.78	-0.00228	PASS
					40	-8.57	-0.00338	PASS
					50	-11.96	-0.00472	PASS
			HCH	VN	-30	-20.41	-0.00796	PASS
					-20	-19.1	-0.00745	PASS
					-10	-22.92	-0.00894	PASS
					0	-22.46	-0.00876	PASS
					10	-20.81	-0.00811	PASS
					20	-24.33	-0.00949	PASS
					30	-22.9	-0.00893	PASS
					40	-12.39	-0.00483	PASS
					50	-22.37	-0.00872	PASS
		15	LCH	VN	-30	-5.85	-0.00233	PASS
					-20	9.64	0.00384	PASS
					-10	-10.94	-0.00436	PASS
					0	9.87	0.00394	PASS
					10	-6.27	-0.0025	PASS
					20	5.21	0.00208	PASS
					30	-3.48	-0.00139	PASS
					40	-15.96	-0.00636	PASS
					50	9.31	0.00371	PASS
			MCH	VN	-30	10.51	0.00415	PASS
					-20	0.36	0.00014	PASS
					-10	-8.91	-0.00351	PASS
					0	-13.42	-0.00529	PASS
					10	-0.06	-0.00002	PASS
					20	4.09	0.00161	PASS
					30	-1.66	-0.00065	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-9.34	-0.00368	PASS
					50	-16.16	-0.00637	PASS
			HCH	VN	-30	-2.86	-0.00112	PASS
					-20	-8.37	-0.00327	PASS
					-10	-12.39	-0.00484	PASS
					0	-16.04	-0.00626	PASS
					10	-21.92	-0.00855	PASS
					20	-5.95	-0.00232	PASS
					30	6.45	0.00252	PASS
					40	2.35	0.00092	PASS
					50	-3.26	-0.00127	PASS
		20	LCH	VN	-30	-13.58	-0.00541	PASS
					-20	-1.95	-0.00078	PASS
					-10	-11.54	-0.0046	PASS
					0	-20.71	-0.00825	PASS
					10	-7.17	-0.00286	PASS
					20	-0.21	-0.00008	PASS
					30	-5.76	-0.00229	PASS
					40	-12.13	-0.00483	PASS
					50	-17.54	-0.00699	PASS
			MCH	VN	-30	-0.5	-0.0002	PASS
					-20	-6.69	-0.00264	PASS
					-10	-10.26	-0.00405	PASS
					0	-13.66	-0.00539	PASS
					10	-17.61	-0.00695	PASS
					20	0.5	0.0002	PASS
					30	10.36	0.00409	PASS
					40	5.48	0.00216	PASS
					50	2.53	0.001	PASS
			HCH	VN	-30	-6.48	-0.00253	PASS
					-20	-10.34	-0.00404	PASS
					-10	16.15	0.00631	PASS
					0	13.29	0.00519	PASS
					10	7.58	0.00296	PASS
					20	3.65	0.00143	PASS
					30	-1.54	-0.0006	PASS
					40	-6.05	-0.00236	PASS
					50	-9.48	-0.0037	PASS
	LTE/TM2	5	LCH	VN	-30	-9.54	-0.00381	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-13.93	-0.00557	PASS
					-10	-3.89	-0.00155	PASS
					0	2.52	0.00101	PASS
					10	-20.5	-0.00819	PASS
					20	-14.45	-0.00577	PASS
					30	-4.26	-0.0017	PASS
					40	3.45	0.00138	PASS
					50	-19.96	-0.00798	PASS
			MCH	VN	-30	-8.75	-0.00345	PASS
					-20	-1	-0.00039	PASS
					-10	4.31	0.0017	PASS
					0	10.26	0.00405	PASS
					10	-12.15	-0.00479	PASS
					20	-11.13	-0.00439	PASS
					30	-6.77	-0.00267	PASS
					40	-1.02	-0.0004	PASS
					50	3.42	0.00135	PASS
			HCH	VN	-30	-8.61	-0.00335	PASS
					-20	-15.13	-0.00589	PASS
					-10	-13.58	-0.00529	PASS
					0	-6.24	-0.00243	PASS
					10	0.41	0.00016	PASS
					20	4.58	0.00178	PASS
					30	8.58	0.00334	PASS
					40	7.9	0.00308	PASS
					50	-9.31	-0.00363	PASS
		10	LCH	VN	-30	2.8	0.00112	PASS
					-20	3.55	0.00142	PASS
					-10	1.26	0.0005	PASS
					0	1.42	0.00057	PASS
					10	1.87	0.00075	PASS
					20	2.95	0.00118	PASS
					30	0.87	0.00035	PASS
					40	3.52	0.00141	PASS
					50	2.53	0.00101	PASS
			MCH	VN	-30	-7.88	-0.00311	PASS
					-20	-7.32	-0.00289	PASS
					-10	-6.51	-0.00257	PASS
					0	-6.74	-0.00266	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-13.18	-0.0052	PASS
					20	-11.9	-0.00469	PASS
					30	-11.44	-0.00451	PASS
					40	-7.21	-0.00284	PASS
					50	-5.89	-0.00232	PASS
			HCH	VN	-30	-6.55	-0.00255	PASS
					-20	-5.09	-0.00198	PASS
					-10	-4.86	-0.00189	PASS
					0	0.13	0.00005	PASS
					10	2.12	0.00083	PASS
					20	3.4	0.00133	PASS
					30	5.66	0.00221	PASS
					40	-3.23	-0.00126	PASS
					50	-9.56	-0.00373	PASS
		15	LCH	VN	-30	2.86	0.00114	PASS
					-20	-12.79	-0.0051	PASS
					-10	13.63	0.00544	PASS
					0	2.07	0.00083	PASS
					10	-10.87	-0.00433	PASS
					20	16.57	0.00661	PASS
					30	6.75	0.00269	PASS
					40	-0.03	-0.00001	PASS
					50	-10.89	-0.00434	PASS
			MCH	VN	-30	-14.15	-0.00558	PASS
					-20	-7.2	-0.00284	PASS
					-10	9.87	0.00389	PASS
					0	8.83	0.00348	PASS
					10	4.33	0.00171	PASS
					20	-2.92	-0.00115	PASS
					30	-6.09	-0.0024	PASS
					40	-8	-0.00316	PASS
					50	-11.37	-0.00449	PASS
			HCH	VN	-30	-20.73	-0.00809	PASS
					-20	-24.26	-0.00947	PASS
					-10	-0.36	-0.00014	PASS
					0	3.91	0.00153	PASS
					10	6.62	0.00258	PASS
					20	6.01	0.00235	PASS
					30	1.83	0.00071	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	4.29	0.00167	PASS
					50	2.78	0.00108	PASS
			LCH	VN	-30	-8.77	-0.00349	PASS
					-20	-13.36	-0.00532	PASS
					-10	-21.76	-0.00867	PASS
					0	-25.71	-0.01024	PASS
					10	2.79	0.00111	PASS
					20	2.3	0.00092	PASS
					30	-3.26	-0.0013	PASS
					40	-8.78	-0.0035	PASS
					50	-14.96	-0.00596	PASS
			MCH	VN	-30	9.5	0.00375	PASS
					-20	7.82	0.00308	PASS
					-10	5.76	0.00227	PASS
					0	-0.73	-0.00029	PASS
					10	-1.89	-0.00075	PASS
					20	-5.31	-0.00209	PASS
					30	-7.02	-0.00277	PASS
					40	-11.26	-0.00444	PASS
			HCH	VN	50	-14.51	-0.00572	PASS
					-30	15.78	0.00616	PASS
					-20	10.93	0.00427	PASS
					-10	11.06	0.00432	PASS
					0	12.12	0.00473	PASS
					10	9.34	0.00365	PASS
					20	14.19	0.00554	PASS
					30	16.55	0.00646	PASS
					40	20.24	0.00791	PASS
					50	4.62	0.0018	PASS

END