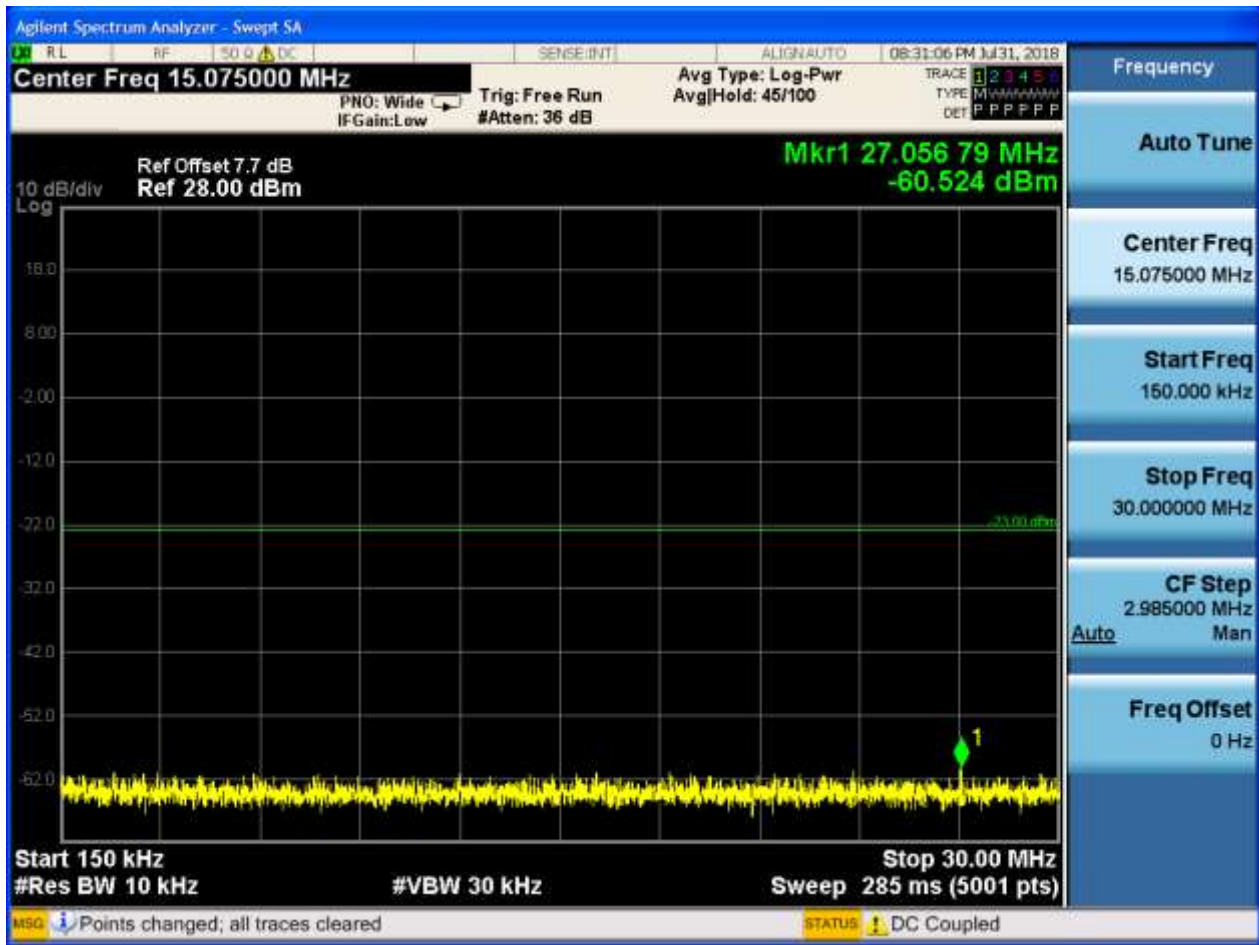






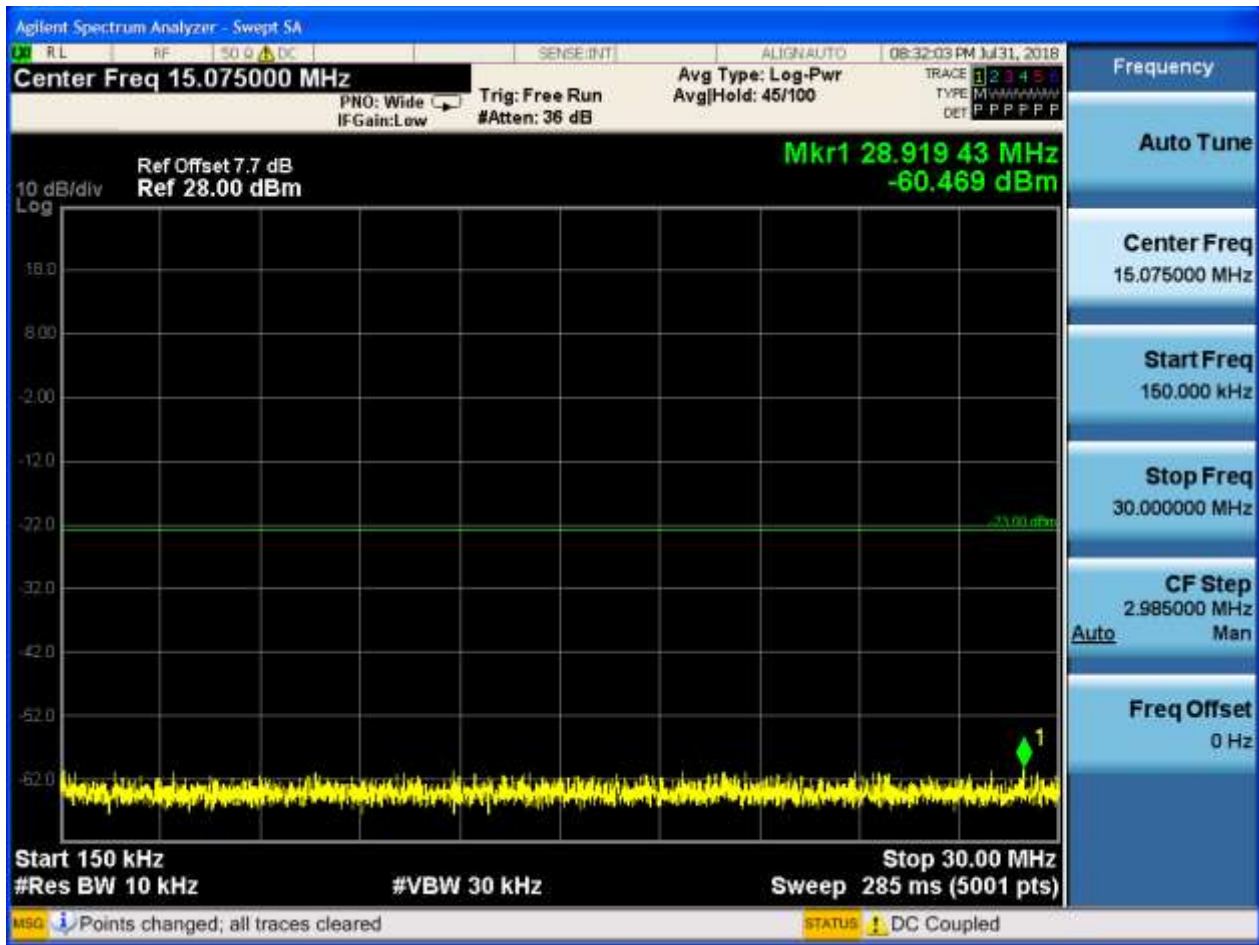


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





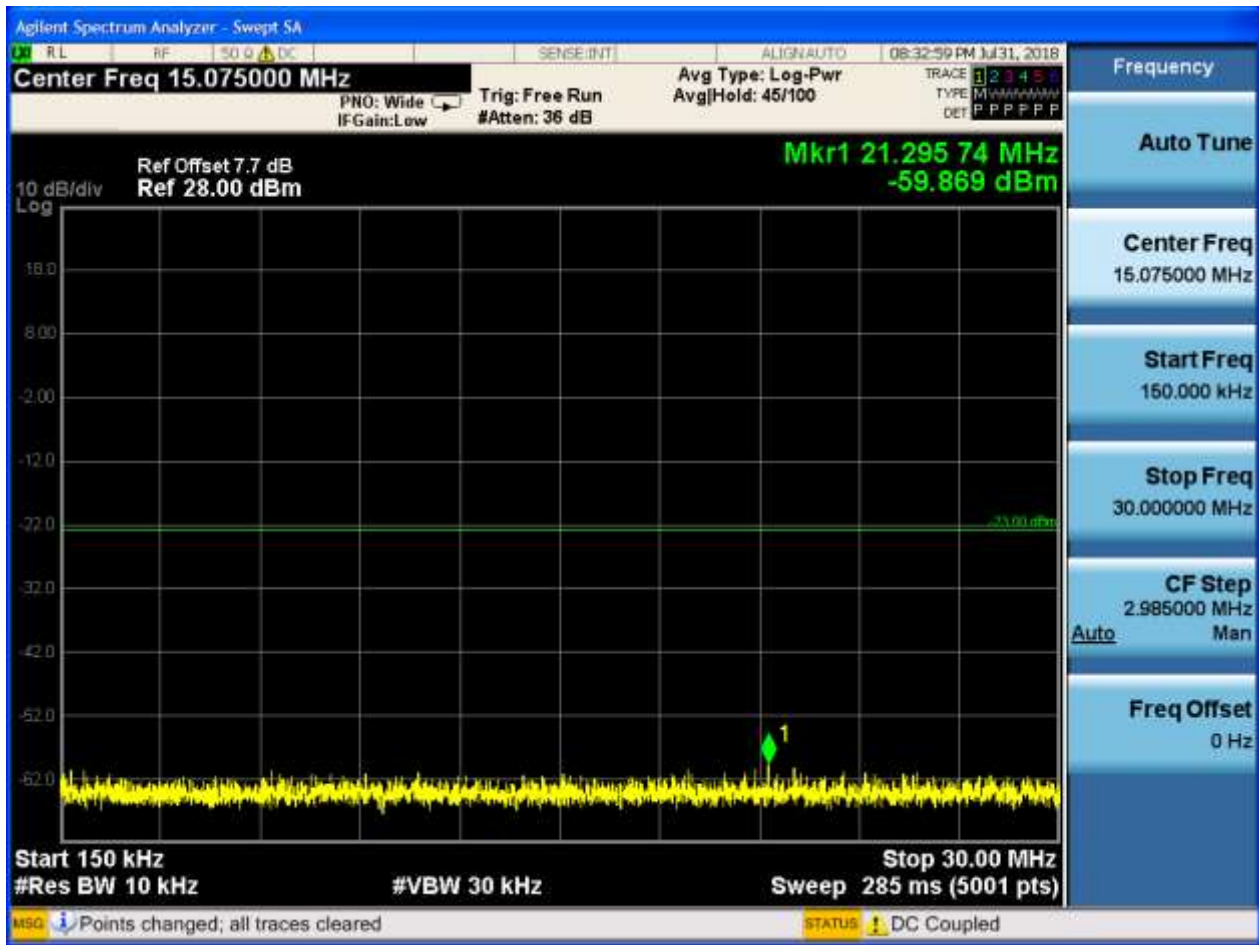




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





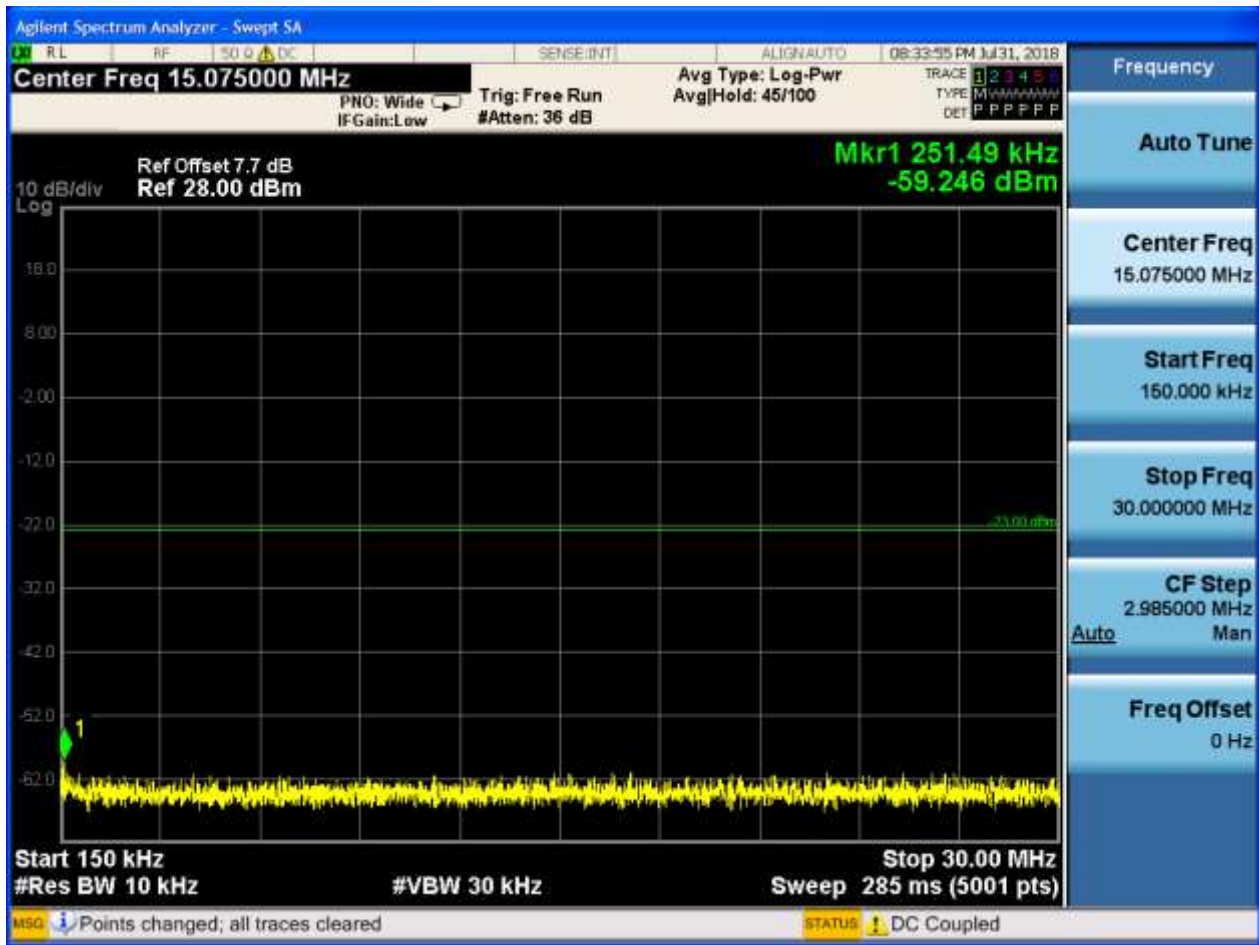




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0









6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





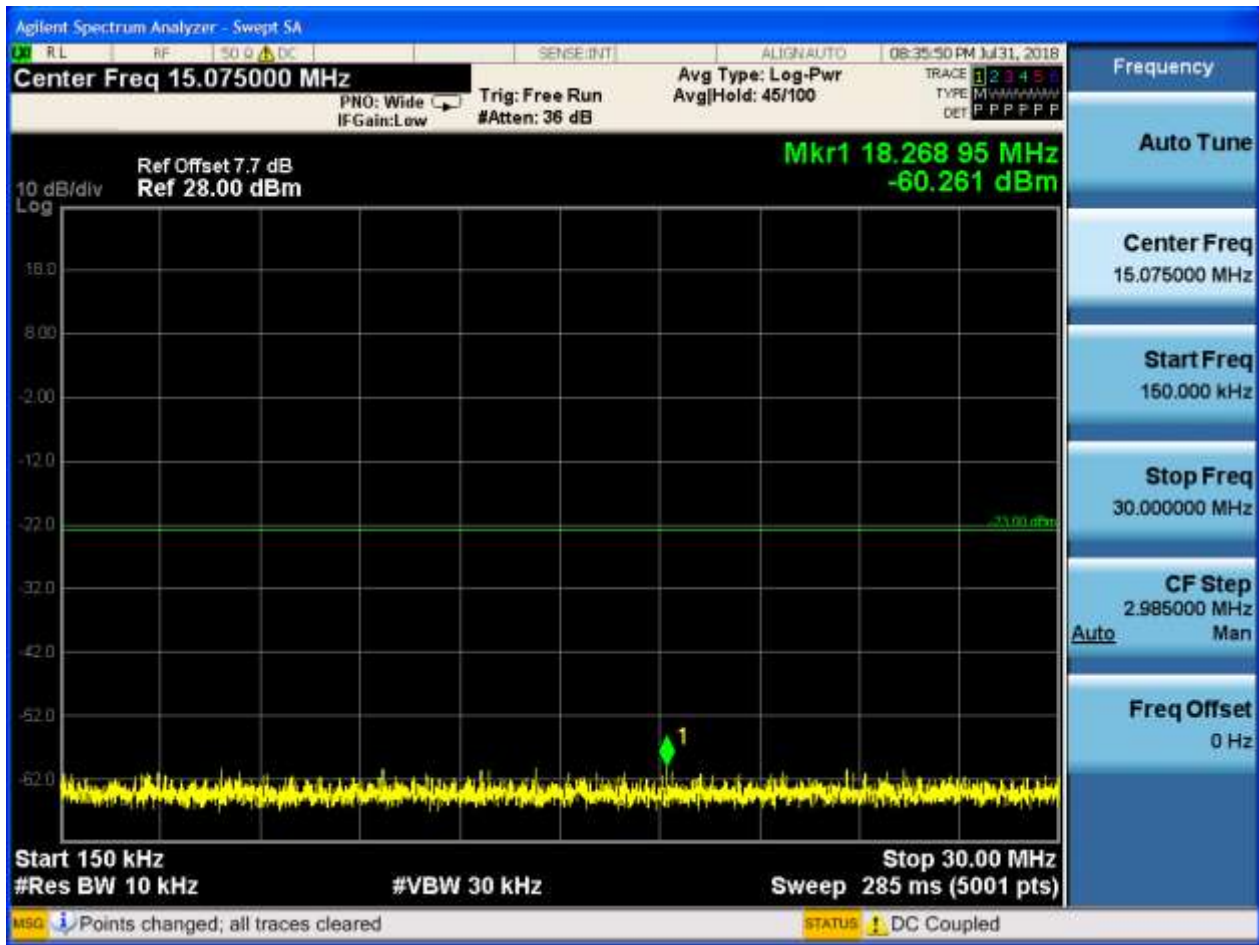




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





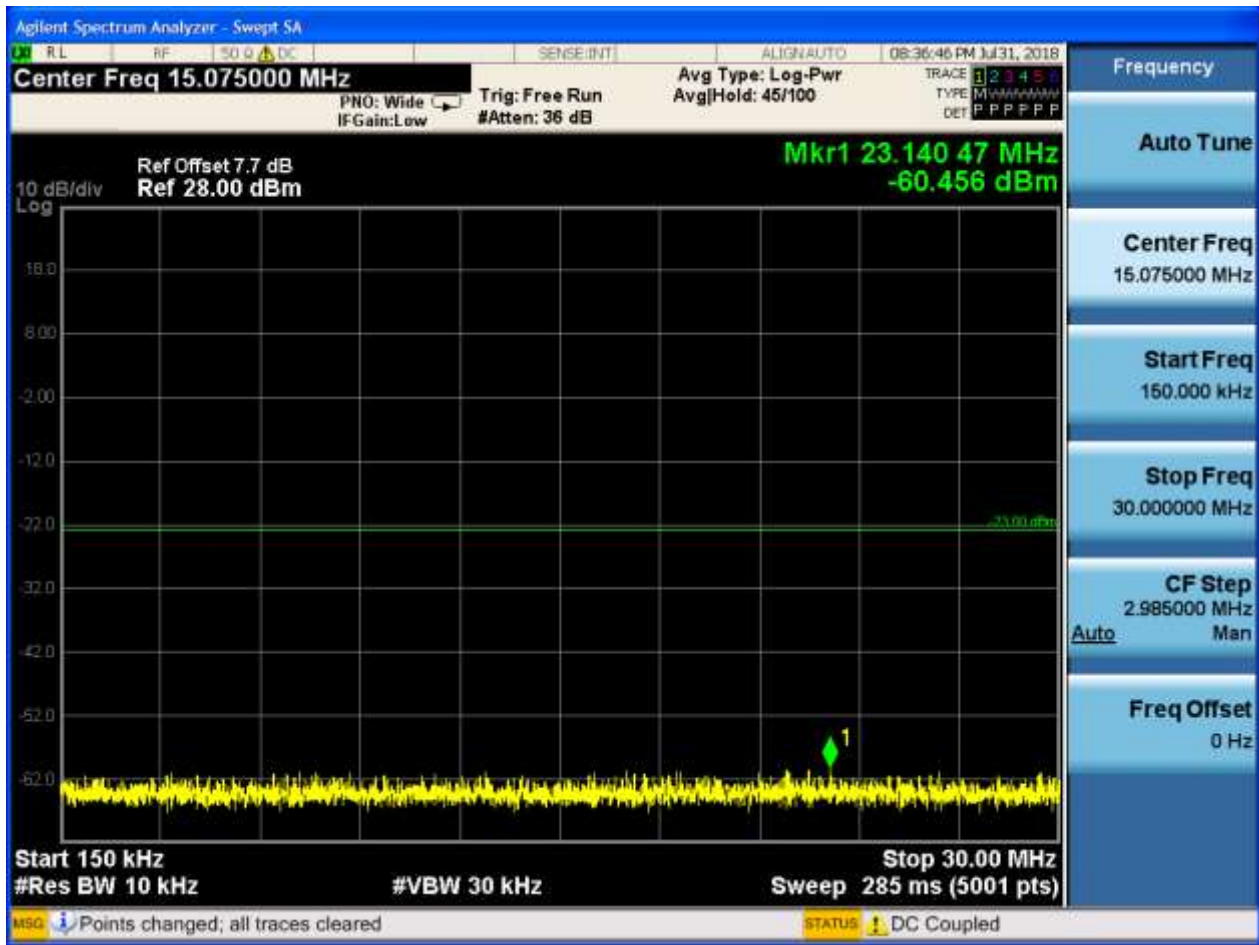




6.1.1.2.4.3 Test Channel = HCH

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

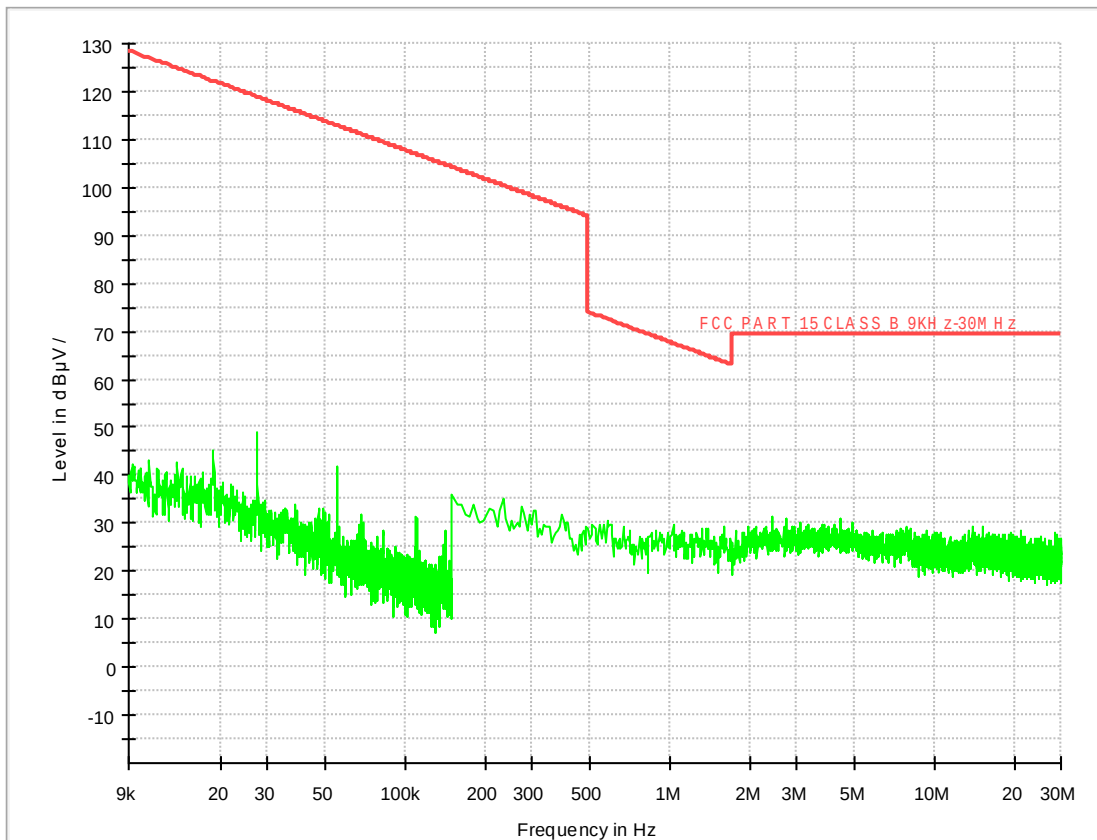
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

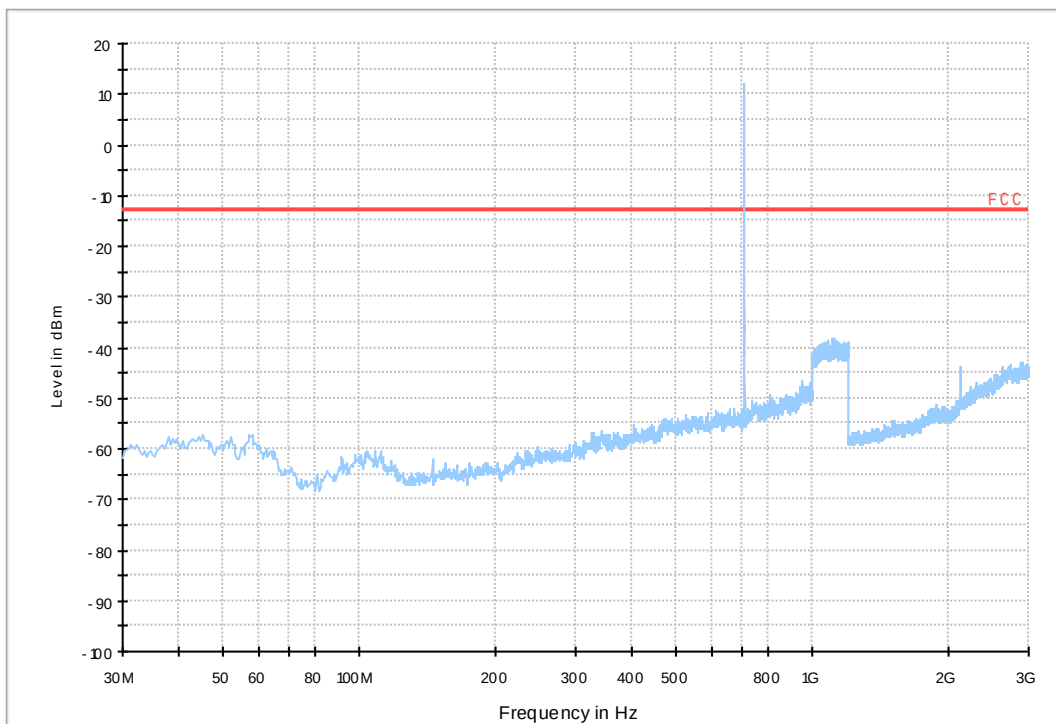
7.1 For LTE

7.1.1 Test Band = BAND12_ANT1

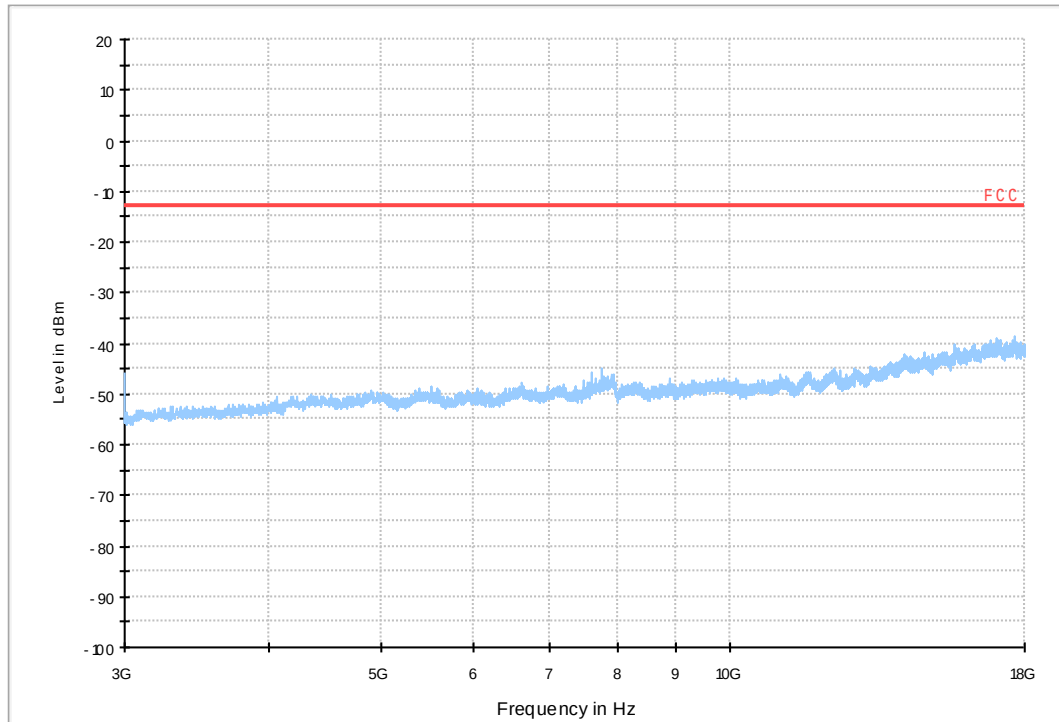
7.1.1.1 Test Bandwidth = 1.4



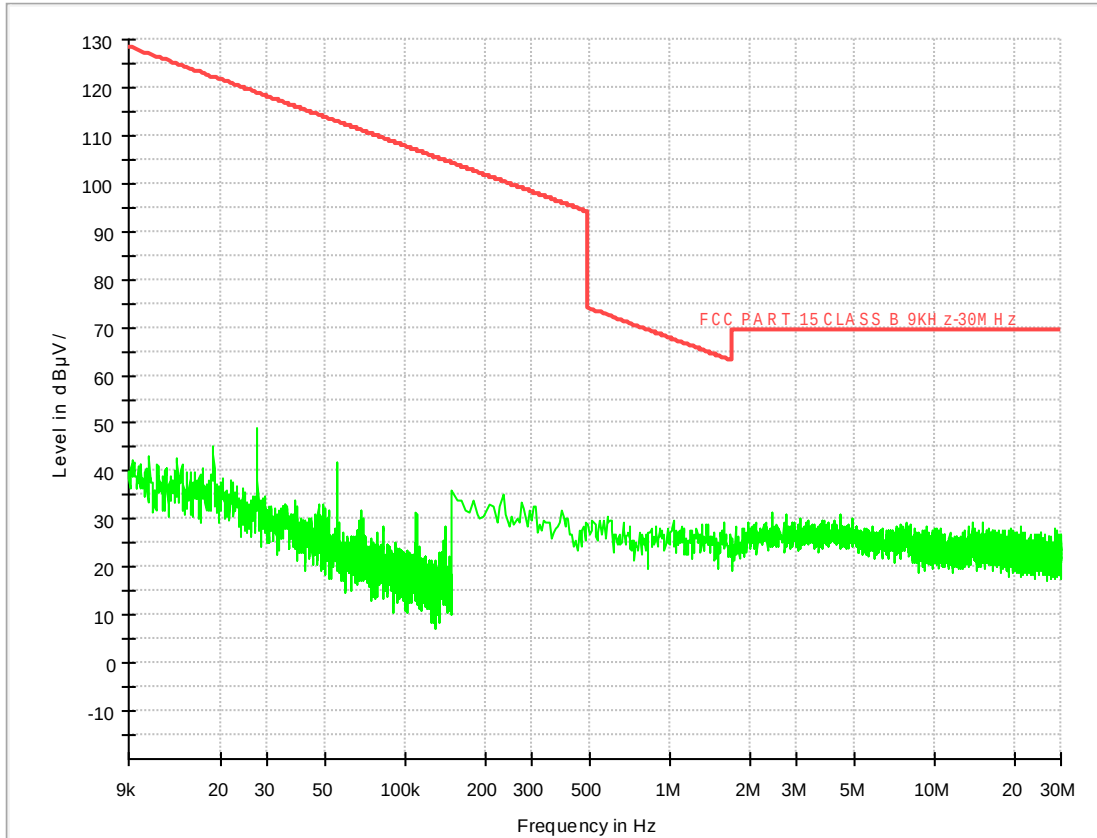
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



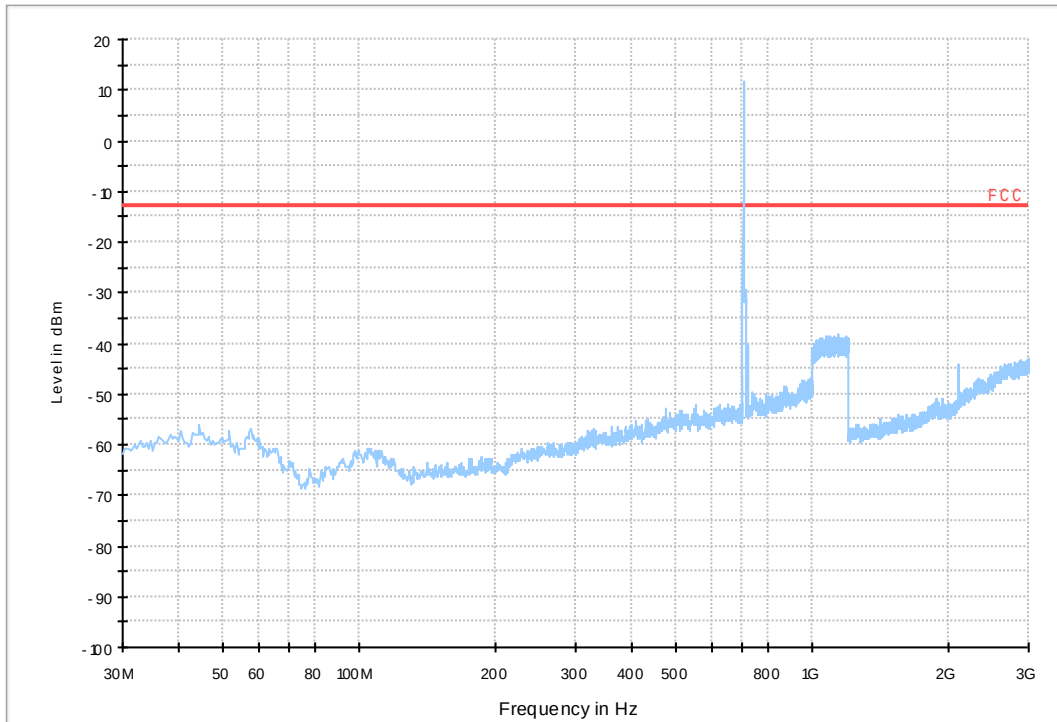
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



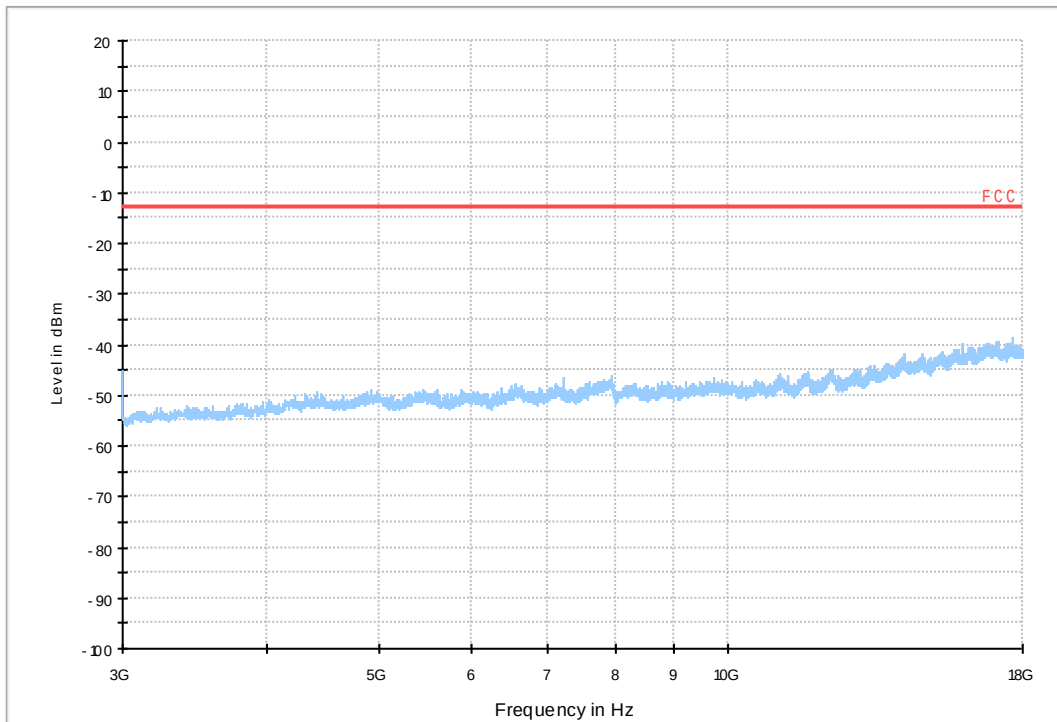
7.1.1.2 Test Bandwidth = 10



LTE FDD RSE-TX-DIRECTOR BELOW 1G_L

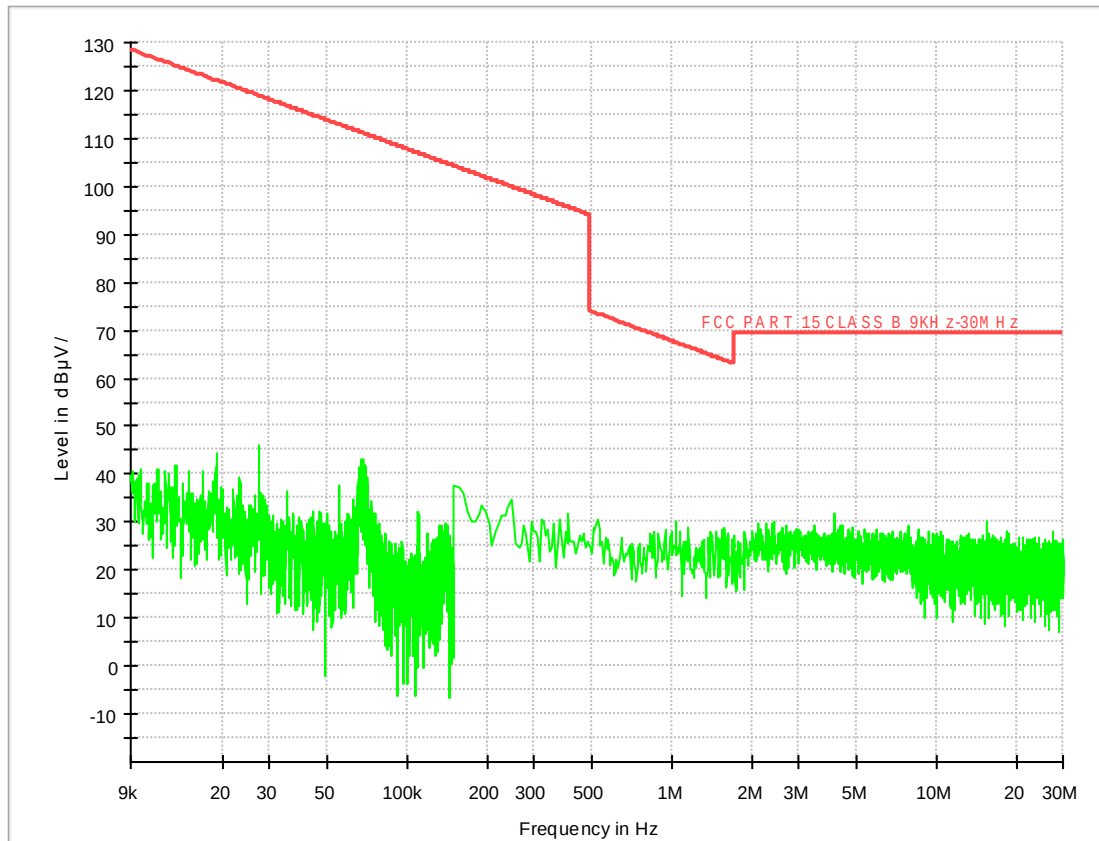


LTE FDD RSE-TX-DIRECTOR BELOW 1G_H

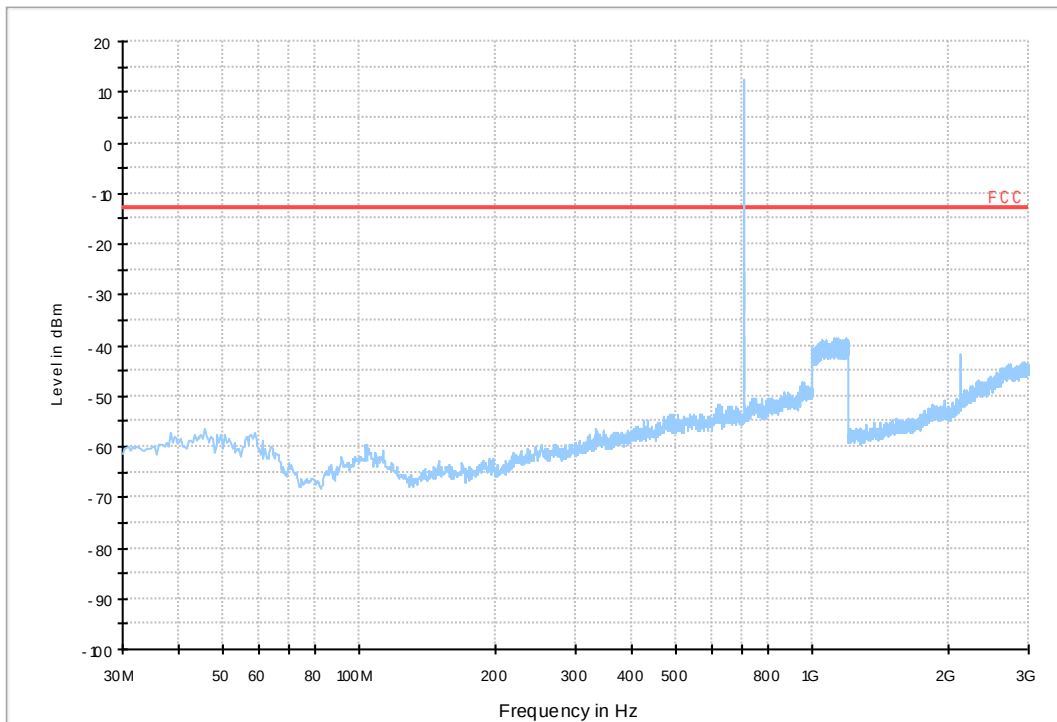


7.1.2 Test Band = BAND12_ANT2

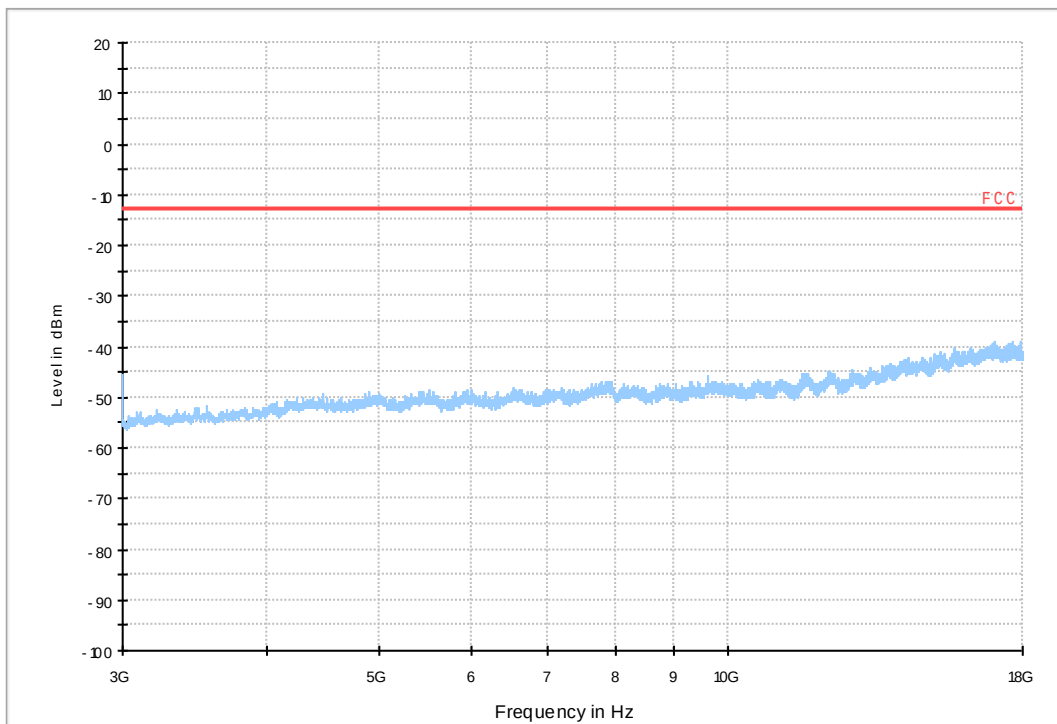
7.1.2.1 Test Bandwidth = 1.4



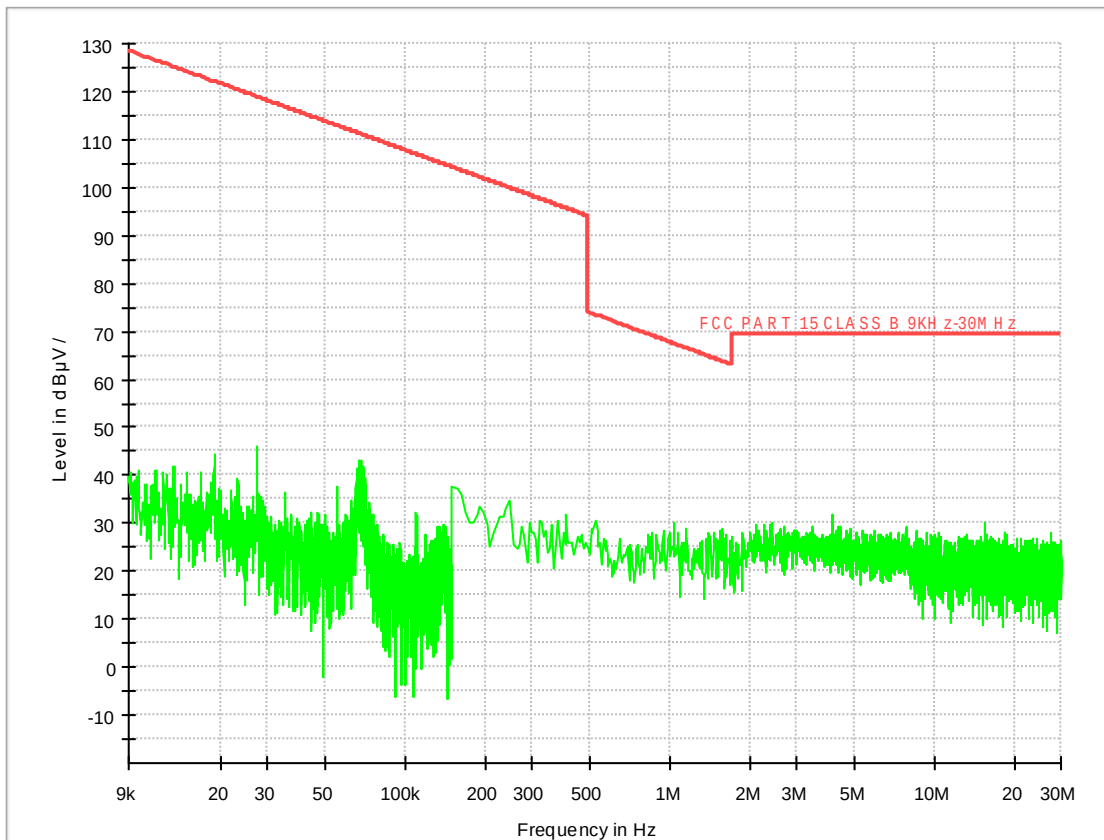
LTE FDD RSE-TX-DIRECTOR BELOW 1G_L



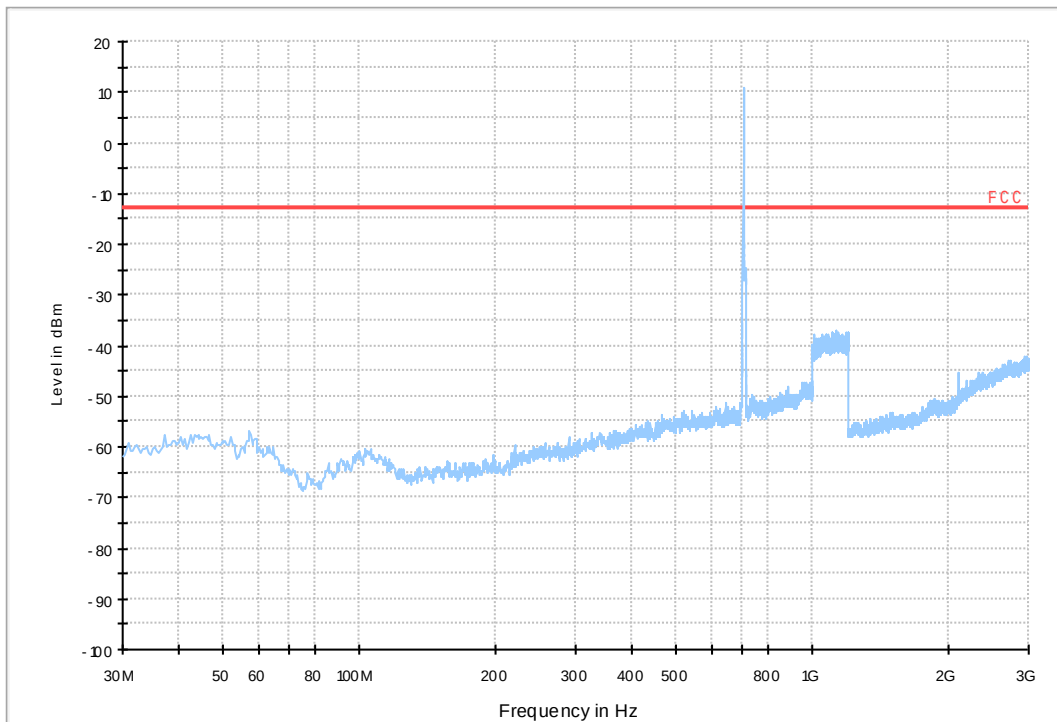
LTE FDD RSE-TX-DIRECTOR BELOW 1G_H



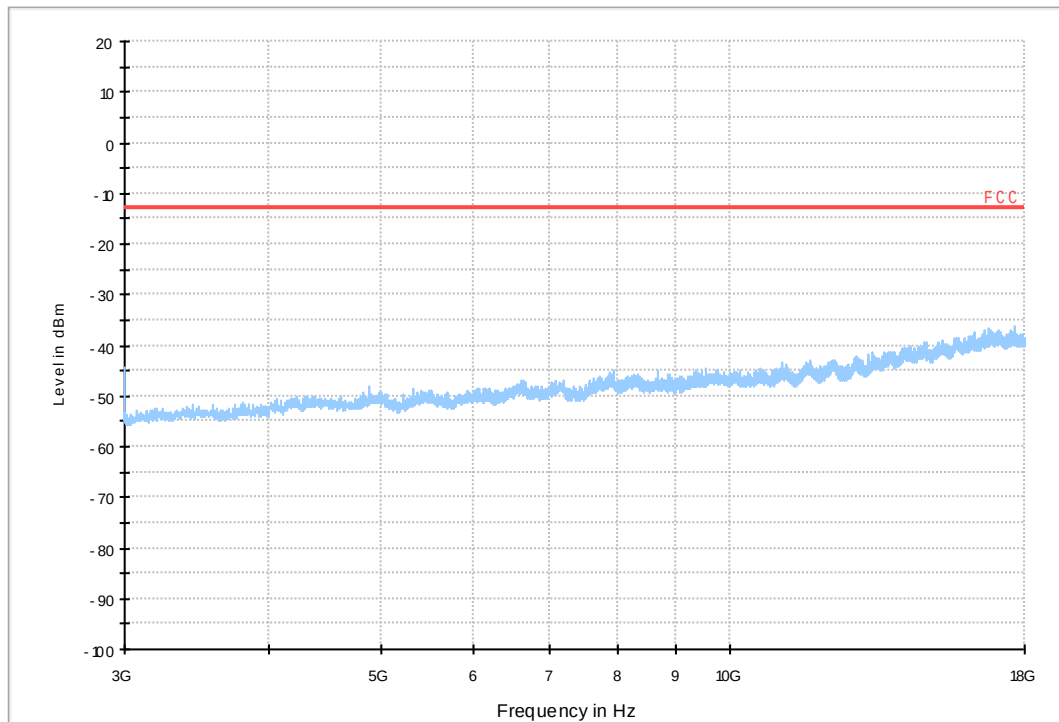
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_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
BAND12	LTE/TM1	1.4	LCH	TN	VL	7.50	0.01072	PASS
					VN	8.04	0.01149	PASS
					VH	7.18	0.01026	PASS
			MCH	TN	VL	3.69	0.00522	PASS
					VN	3.28	0.00464	PASS
					VH	-9.98	-0.01411	PASS
			HCH	TN	VL	0.07	0.0001	PASS
					VN	-8.75	-0.01223	PASS
					VH	-1.76	-0.00246	PASS
		3	LCH	TN	VL	2.30	0.00328	PASS
					VN	-4.13	-0.0059	PASS
					VH	4.05	0.00578	PASS
			MCH	TN	VL	5.92	0.00837	PASS
					VN	-8.91	-0.01259	PASS
					VH	6.04	0.00854	PASS
			HCH	TN	VL	7.88	0.01103	PASS
					VN	-3.05	-0.00427	PASS
					VH	-1.24	-0.00174	PASS
		5	LCH	TN	VL	1.73	0.00247	PASS
					VN	5.06	0.00721	PASS
					VH	3.71	0.00529	PASS
			MCH	TN	VL	1.42	0.00201	PASS
					VN	-0.60	-0.00085	PASS
					VH	-1.39	-0.00196	PASS
			HCH	TN	VL	-4.02	-0.00563	PASS
					VN	-0.80	-0.00112	PASS
					VH	3.09	0.00433	PASS
		10	LCH	TN	VL	3.49	0.00496	PASS
					VN	2.85	0.00405	PASS
					VH	-1.23	-0.00175	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	2.47	0.00349	PASS
					VN	-0.51	-0.00072	PASS
					VH	0.50	0.00071	PASS
			HCH	TN	VL	-2.76	-0.00388	PASS
					VN	-1.33	-0.00187	PASS
					VH	0.54	0.00076	PASS
		1.4	LCH	TN	VL	-1.89	-0.0027	PASS
					VN	3.79	0.00542	PASS
					VH	-3.36	-0.0048	PASS
			MCH	TN	VL	-0.49	-0.00069	PASS
					VN	10.84	0.01532	PASS
					VH	-5.16	-0.00729	PASS
			HCH	TN	VL	2.19	0.00306	PASS
					VN	-8.77	-0.01226	PASS
					VH	-9.78	-0.01367	PASS
		3	LCH	TN	VL	2.05	0.00293	PASS
					VN	7.47	0.01066	PASS
					VH	-0.69	-0.00099	PASS
			MCH	TN	VL	-1.24	-0.00175	PASS
					VN	-2.05	-0.0029	PASS
					VH	-6.81	-0.00963	PASS
			HCH	TN	VL	0.80	0.00112	PASS
					VN	6.95	0.00973	PASS
					VH	3.75	0.00525	PASS
		5	LCH	TN	VL	-6.51	-0.00928	PASS
					VN	-3.92	-0.00559	PASS
					VH	-1.12	-0.0016	PASS
			MCH	TN	VL	-0.23	-0.00033	PASS
					VN	2.56	0.00362	PASS
					VH	-5.12	-0.00724	PASS
			HCH	TN	VL	-3.76	-0.00527	PASS
					VN	2.00	0.0028	PASS
					VH	2.99	0.00419	PASS
		10	LCH	TN	VL	0.30	0.00043	PASS
					VN	-1.36	-0.00193	PASS
					VH	2.78	0.00395	PASS
			MCH	TN	VL	0.72	0.00102	PASS
					VN	-0.76	-0.00107	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VH	1.93	0.00273	PASS
					VL	-1.10	-0.00155	PASS
					VN	0.24	0.00034	PASS
					VH	-1.14	-0.0016	PASS

8.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	LTE/TM1	1.4	LCH	VN	-30	6.98	0.00998	PASS
					-20	4.88	0.00697	PASS
					-10	-2.37	-0.00339	PASS
					0	-3.23	-0.00462	PASS
					10	11.50	0.01644	PASS
					20	14.45	0.02065	PASS
					30	-3.82	-0.00546	PASS
					40	-6.11	-0.00873	PASS
					50	9.50	0.01358	PASS
			MCH	VN	-30	-3.36	-0.00475	PASS
					-20	-8.41	-0.01189	PASS
					-10	-11.06	-0.01563	PASS
					0	-0.27	-0.00038	PASS
					10	10.83	0.01531	PASS
					20	-5.69	-0.00804	PASS
					30	5.32	0.00752	PASS
					40	-4.76	-0.00673	PASS
					50	6.08	0.00859	PASS
			HCH	VN	-30	15.89	0.02221	PASS
					-20	8.75	0.01223	PASS
					-10	5.41	0.00756	PASS
					0	8.27	0.01156	PASS
					10	-4.59	-0.00642	PASS
					20	8.71	0.01218	PASS
					30	7.51	0.0105	PASS
					40	4.73	0.00661	PASS
					50	-4.78	-0.00668	PASS
		3	LCH	VN	-30	7.18	0.01025	PASS
					-20	0.76	0.00108	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-0.94	-0.00134	PASS
					0	-0.14	-0.0002	PASS
					10	-2.15	-0.00307	PASS
					20	2.12	0.00303	PASS
					30	1.72	0.00246	PASS
					40	-4.73	-0.00675	PASS
					50	1.95	0.00278	PASS
			MCH	VN	-30	-2.55	-0.0036	PASS
					-20	1.79	0.00253	PASS
					-10	4.84	0.00684	PASS
					0	-1.80	-0.00254	PASS
					10	-8.81	-0.01245	PASS
					20	6.65	0.0094	PASS
					30	5.09	0.00719	PASS
					40	3.63	0.00513	PASS
					50	3.25	0.00459	PASS
			HCH	VN	-30	-1.34	-0.00188	PASS
					-20	1.95	0.00273	PASS
					-10	1.10	0.00154	PASS
					0	-2.79	-0.0039	PASS
					10	0.11	0.00015	PASS
					20	7.22	0.0101	PASS
					30	-4.96	-0.00694	PASS
					40	2.20	0.00308	PASS
					50	2.30	0.00322	PASS
		5	LCH	VN	-30	0.07	0.0001	PASS
					-20	-2.09	-0.00298	PASS
					-10	0.44	0.00063	PASS
					0	-2.82	-0.00402	PASS
					10	-2.29	-0.00326	PASS
					20	-0.77	-0.0011	PASS
					30	2.78	0.00396	PASS
					40	1.85	0.00264	PASS
			MCH	VN	50	0.51	0.00073	PASS
					-30	-2.22	-0.00314	PASS
					-20	-2.27	-0.00321	PASS
					-10	2.57	0.00363	PASS
					0	-0.67	-0.00095	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.63	-0.00089	PASS
					20	-1.39	-0.00196	PASS
					30	-0.27	-0.00038	PASS
					40	-0.34	-0.00048	PASS
					50	-1.07	-0.00151	PASS
			HCH	VN	-30	-4.48	-0.00628	PASS
					-20	1.09	0.00153	PASS
					-10	-0.23	-0.00032	PASS
					0	2.06	0.00289	PASS
					10	1.03	0.00144	PASS
					20	0.26	0.00036	PASS
					30	-0.40	-0.00056	PASS
					40	-0.21	-0.00029	PASS
					50	-3.00	-0.0042	PASS
		10	LCH	VN	-30	-0.62	-0.00088	PASS
					-20	-0.41	-0.00058	PASS
					-10	-1.19	-0.00169	PASS
					0	0.64	0.00091	PASS
					10	1.79	0.00254	PASS
					20	-0.03	-0.00004	PASS
					30	1.09	0.00155	PASS
					40	0.69	0.00098	PASS
					50	-1.06	-0.00151	PASS
			MCH	VN	-30	-1.93	-0.00273	PASS
					-20	1.77	0.0025	PASS
					-10	-2.27	-0.00321	PASS
					0	-3.72	-0.00526	PASS
					10	0.20	0.00028	PASS
					20	-0.13	-0.00018	PASS
					30	-2.39	-0.00338	PASS
					40	0.64	0.0009	PASS
					50	-2.13	-0.00301	PASS
			HCH	VN	-30	2.88	0.00405	PASS
					-20	2.88	0.00405	PASS
					-10	-0.44	-0.00062	PASS
					0	-1.13	-0.00159	PASS
					10	-3.53	-0.00496	PASS
					20	3.03	0.00426	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4			30	1.13	0.00159	PASS
					40	-1.83	-0.00257	PASS
					50	0.56	0.00079	PASS
			LCH	VN	-30	10.34	0.01478	PASS
					-20	9.01	0.01288	PASS
					-10	-3.12	-0.00446	PASS
					0	2.72	0.00389	PASS
					10	8.90	0.01272	PASS
					20	-2.99	-0.00427	PASS
					30	22.73	0.03249	PASS
					40	1.80	0.00257	PASS
					50	-2.60	-0.00372	PASS
			MCH	VN	-30	4.73	0.00669	PASS
					-20	4.78	0.00676	PASS
					-10	-2.45	-0.00346	PASS
					0	8.47	0.01197	PASS
					10	-1.54	-0.00218	PASS
					20	-5.29	-0.00748	PASS
					30	5.34	0.00755	PASS
					40	-6.01	-0.00849	PASS
					50	-13.95	-0.01972	PASS
			HCH	VN	-30	-4.96	-0.00693	PASS
					-20	-4.46	-0.00624	PASS
					-10	-8.31	-0.01162	PASS
					0	0.53	0.00074	PASS
					10	-7.87	-0.011	PASS
					20	3.62	0.00506	PASS
					30	2.00	0.0028	PASS
					40	-12.53	-0.01752	PASS
					50	4.95	0.00692	PASS
		3	LCH	VN	-30	2.75	0.00393	PASS
					-20	-6.51	-0.00929	PASS
					-10	-0.31	-0.00044	PASS
					0	-0.27	-0.00039	PASS
					10	6.62	0.00945	PASS
					20	4.15	0.00592	PASS
					30	0.93	0.00133	PASS
					40	3.52	0.00502	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	VN	50	-0.60	-0.00086	PASS
					-30	-2.80	-0.00396	PASS
					-20	-0.19	-0.00027	PASS
					-10	0.60	0.00085	PASS
					0	-3.72	-0.00526	PASS
					10	1.44	0.00204	PASS
					20	-0.37	-0.00052	PASS
					30	2.83	0.004	PASS
					40	5.92	0.00837	PASS
					50	4.33	0.00612	PASS
			HCH	VN	-30	2.82	0.00395	PASS
					-20	-0.01	-0.00001	PASS
					-10	-3.98	-0.00557	PASS
					0	1.93	0.0027	PASS
					10	3.92	0.00549	PASS
					20	-0.62	-0.00087	PASS
					30	-5.97	-0.00836	PASS
					40	-8.91	-0.01247	PASS
					50	4.16	0.00582	PASS
		5	LCH	VN	-30	2.17	0.00309	PASS
					-20	1.32	0.00188	PASS
					-10	8.05	0.01148	PASS
					0	-0.70	-0.001	PASS
					10	-1.23	-0.00175	PASS
					20	-1.12	-0.0016	PASS
					30	-4.13	-0.00589	PASS
					40	0.31	0.00044	PASS
					50	1.19	0.0017	PASS
			MCH	VN	-30	-5.01	-0.00708	PASS
					-20	-8.04	-0.01136	PASS
					-10	3.78	0.00534	PASS
					0	1.73	0.00245	PASS
					10	1.89	0.00267	PASS
					20	-0.10	-0.00014	PASS
					30	3.19	0.00451	PASS
					40	-0.36	-0.00051	PASS
					50	-0.54	-0.00076	PASS
			HCH	VN	-30	3.35	0.0047	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-1.56	-0.00219	PASS
					-10	-2.32	-0.00325	PASS
					0	1.85	0.00259	PASS
					10	-0.94	-0.00132	PASS
					20	-0.77	-0.00108	PASS
					30	10.30	0.01444	PASS
					40	3.29	0.00461	PASS
					50	-2.46	-0.00345	PASS
		10	LCH	VN	-30	5.48	0.00778	PASS
					-20	-1.24	-0.00176	PASS
					-10	0.74	0.00105	PASS
					0	3.28	0.00466	PASS
					10	1.24	0.00176	PASS
					20	3.25	0.00462	PASS
					30	3.30	0.00469	PASS
					40	3.91	0.00555	PASS
					50	1.02	0.00145	PASS
			MCH	VN	-30	1.49	0.00211	PASS
					-20	0.63	0.00089	PASS
					-10	-1.56	-0.0022	PASS
					0	0.70	0.00099	PASS
					10	-3.91	-0.00553	PASS
					20	0.09	0.00013	PASS
					30	1.65	0.00233	PASS
					40	5.06	0.00715	PASS
					50	1.52	0.00215	PASS
			HCH	VN	-30	-0.13	-0.00018	PASS
					-20	-0.10	-0.00014	PASS
					-10	-0.70	-0.00098	PASS
					0	0.87	0.00122	PASS
					10	-2.47	-0.00347	PASS
					20	-0.49	-0.00069	PASS
					30	-0.44	-0.00062	PASS
					40	-0.56	-0.00079	PASS
					50	-2.46	-0.00346	PASS

END