

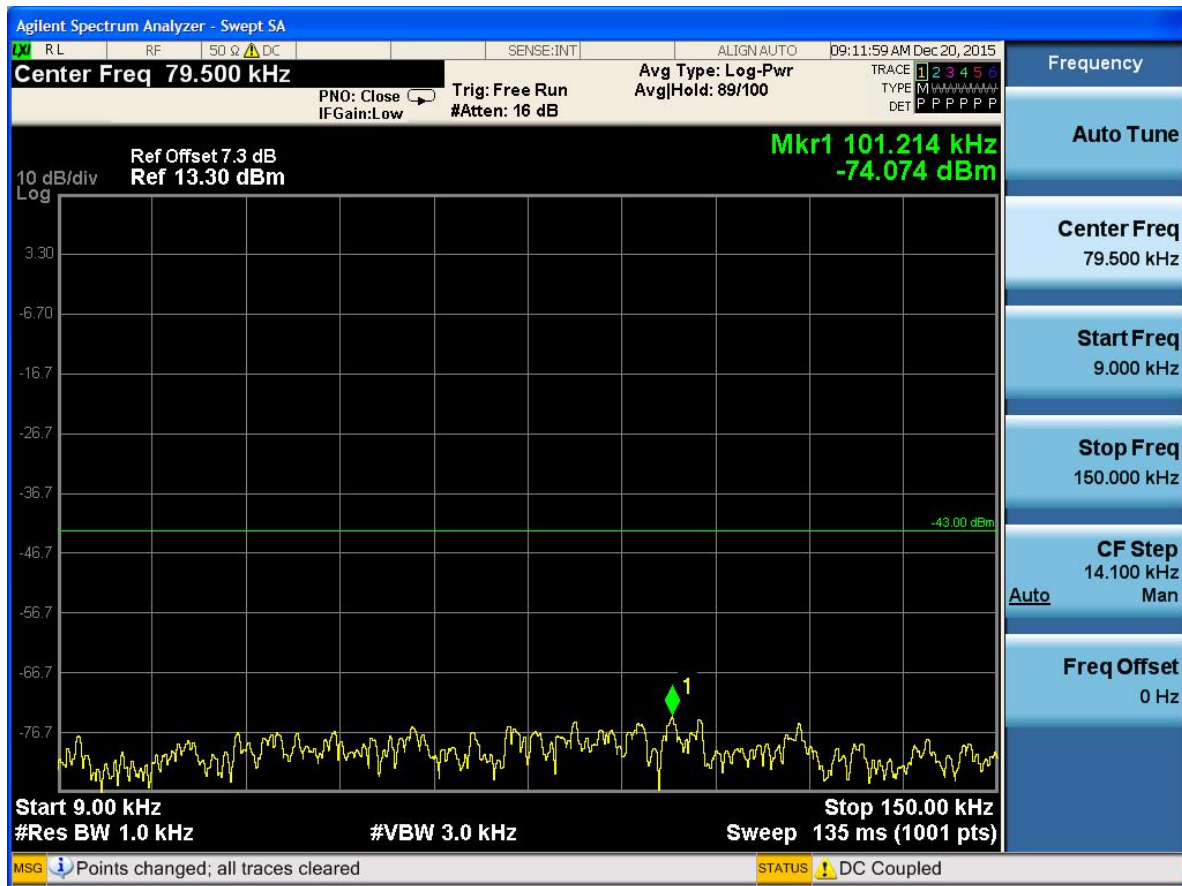




6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

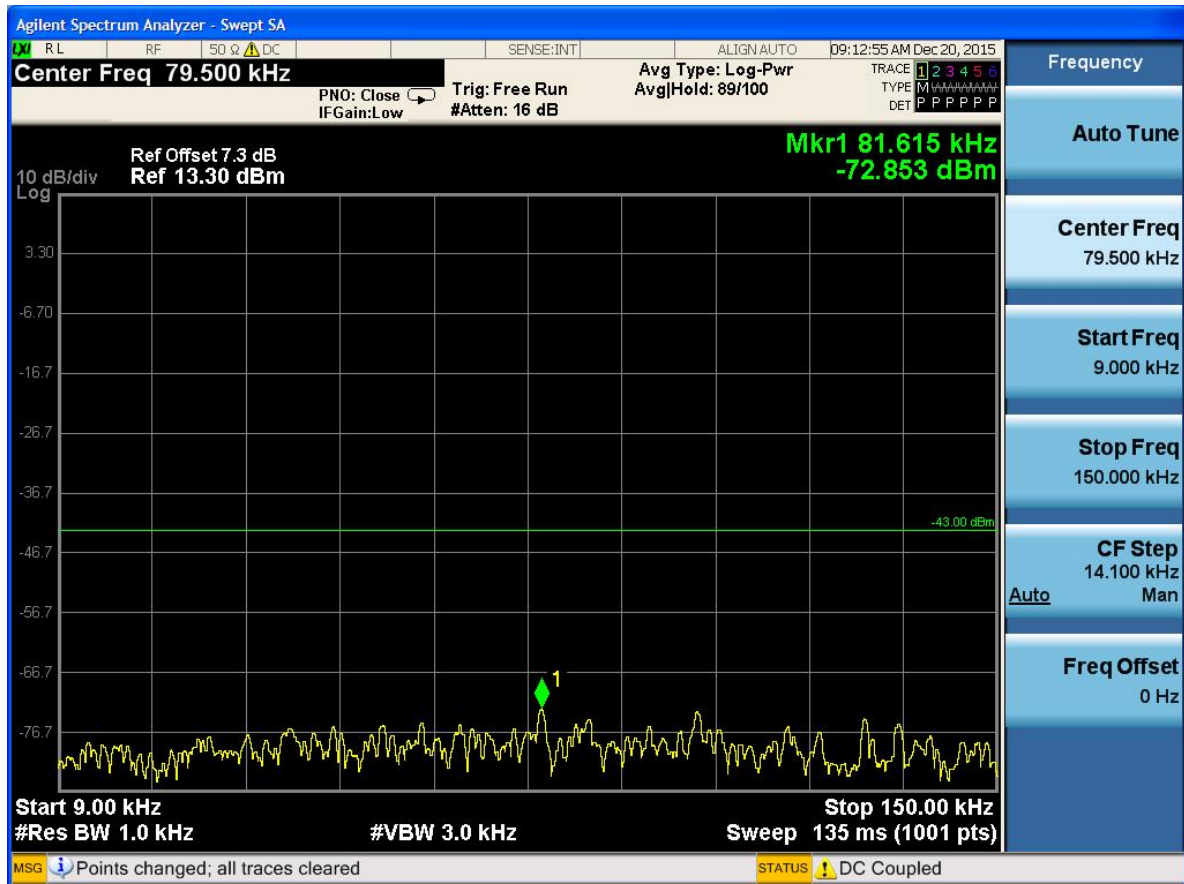






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

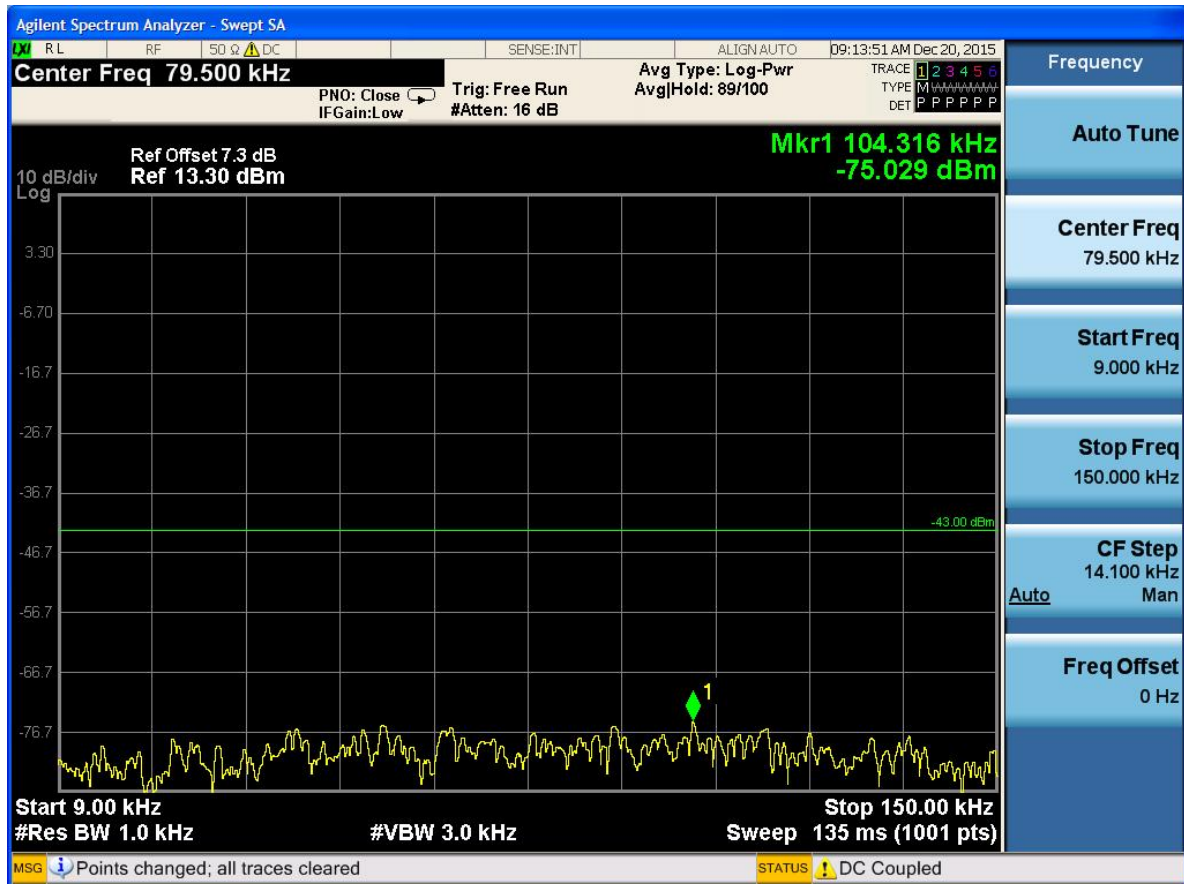






6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





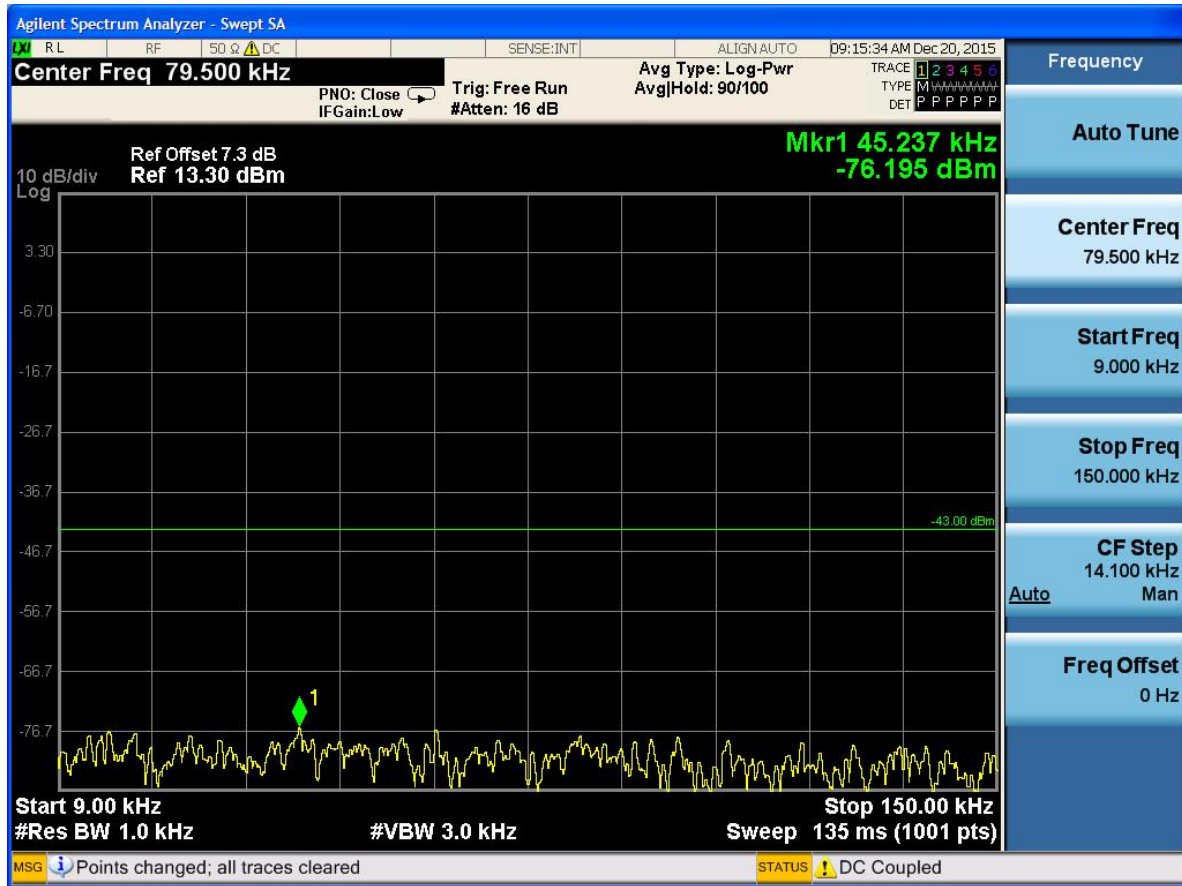


6.1.1.2 Test Mode = LTE/TM2

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

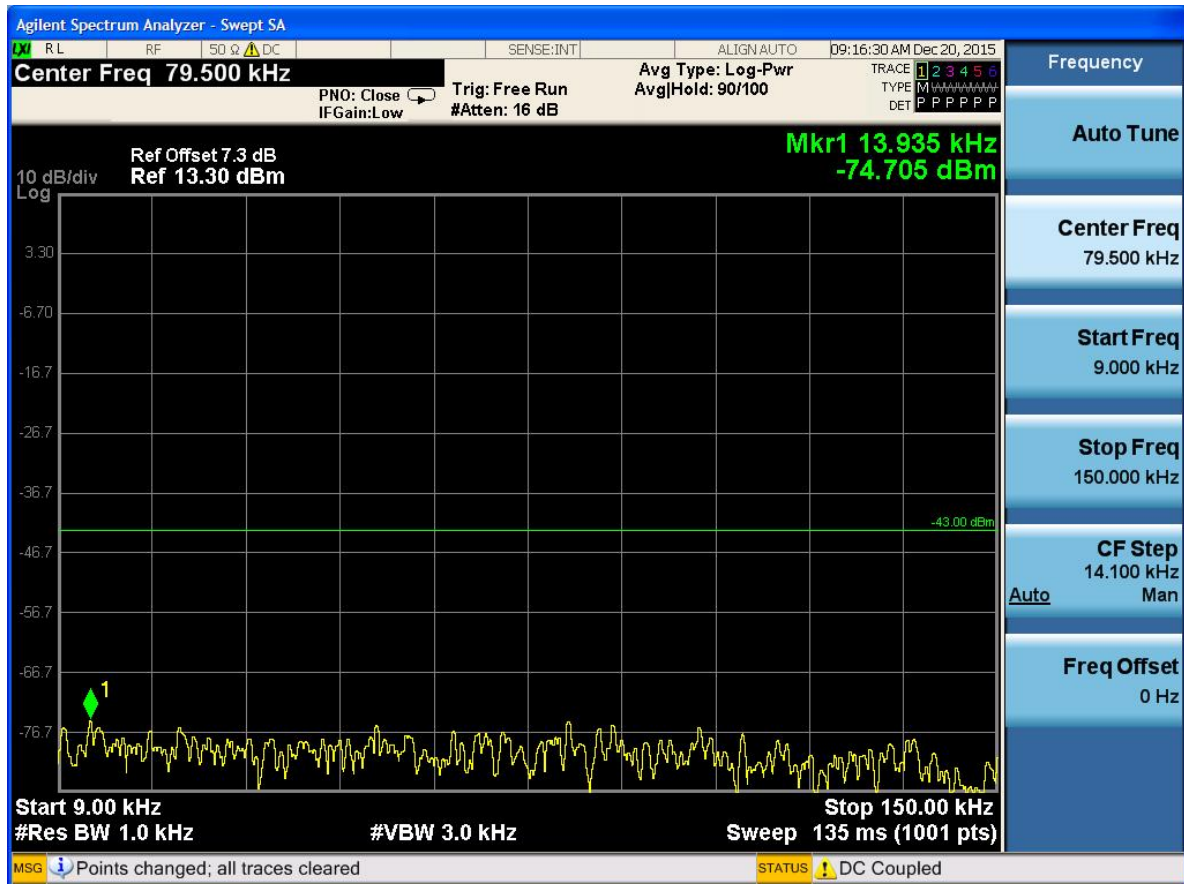






6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



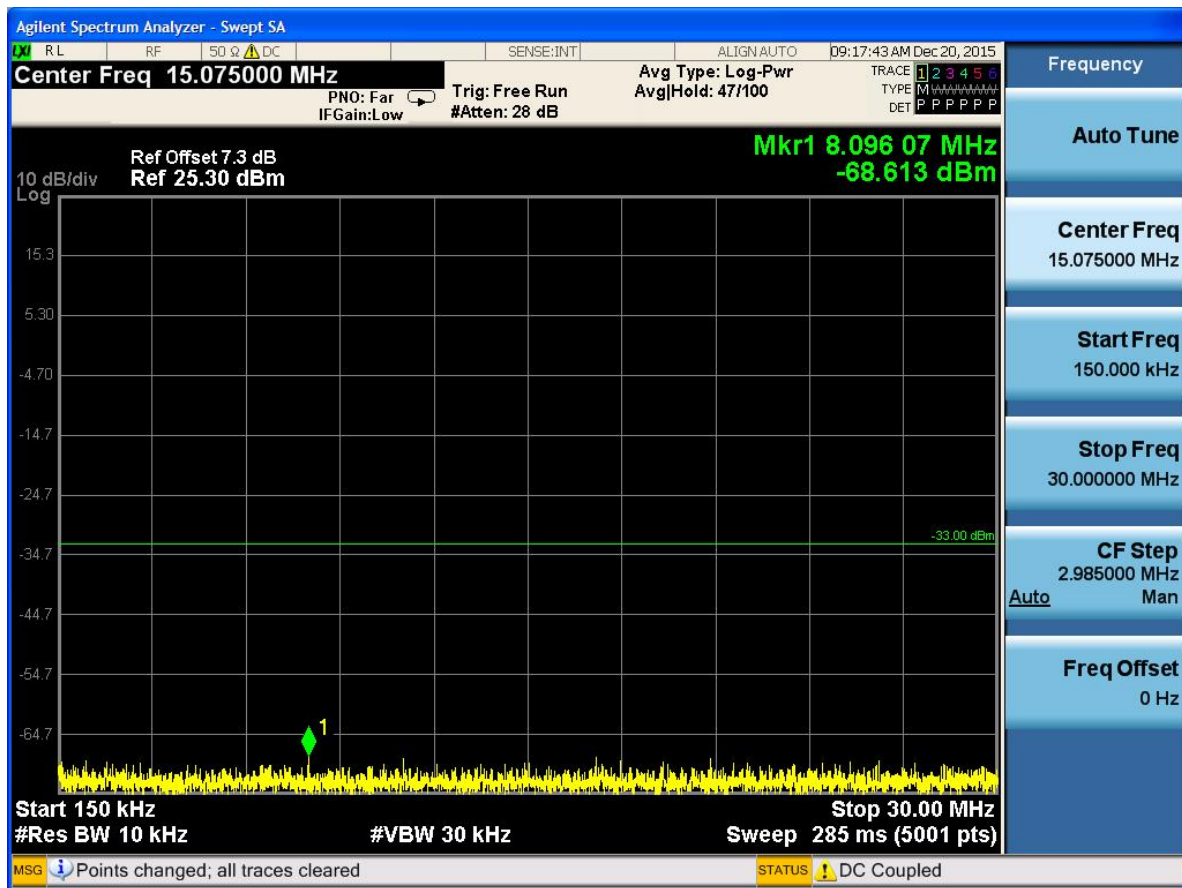




6.1.1.2.1.3 Test Channel = HCH

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

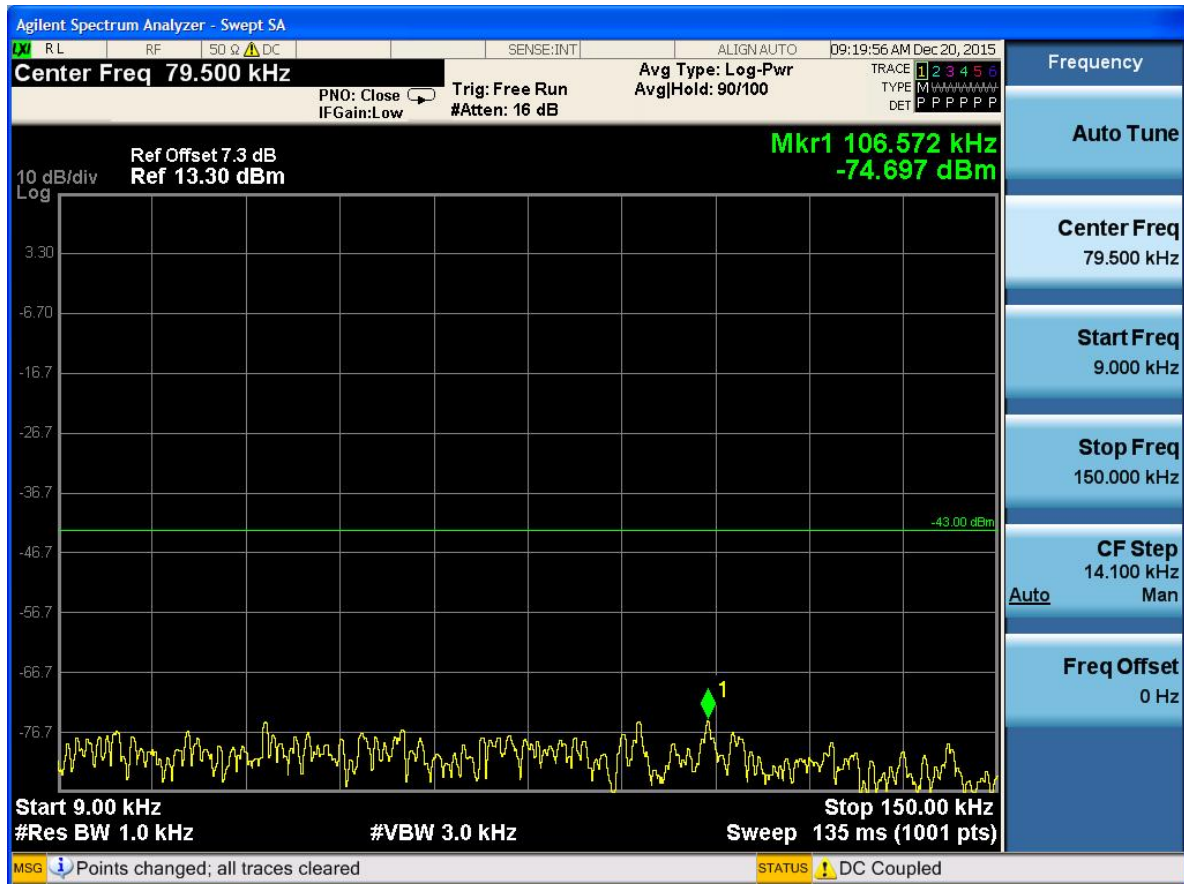






6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

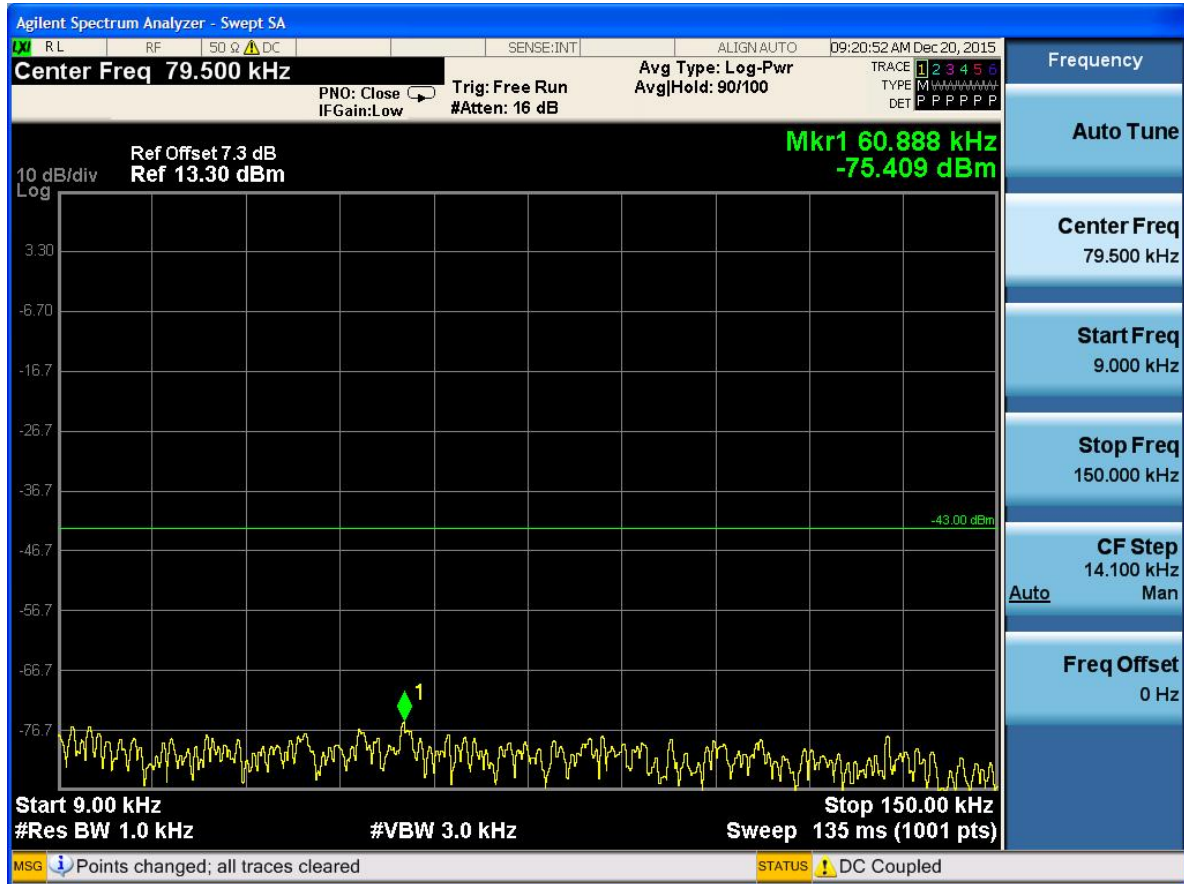


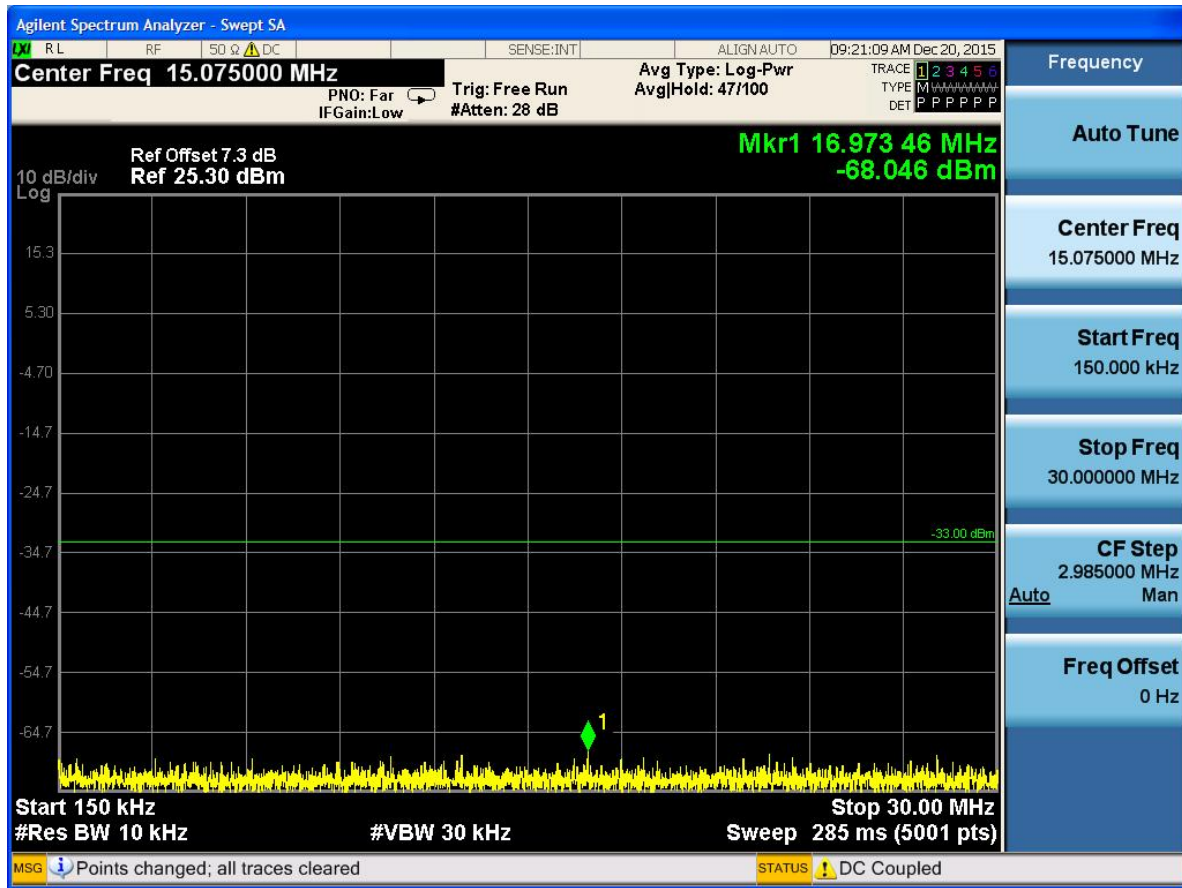




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



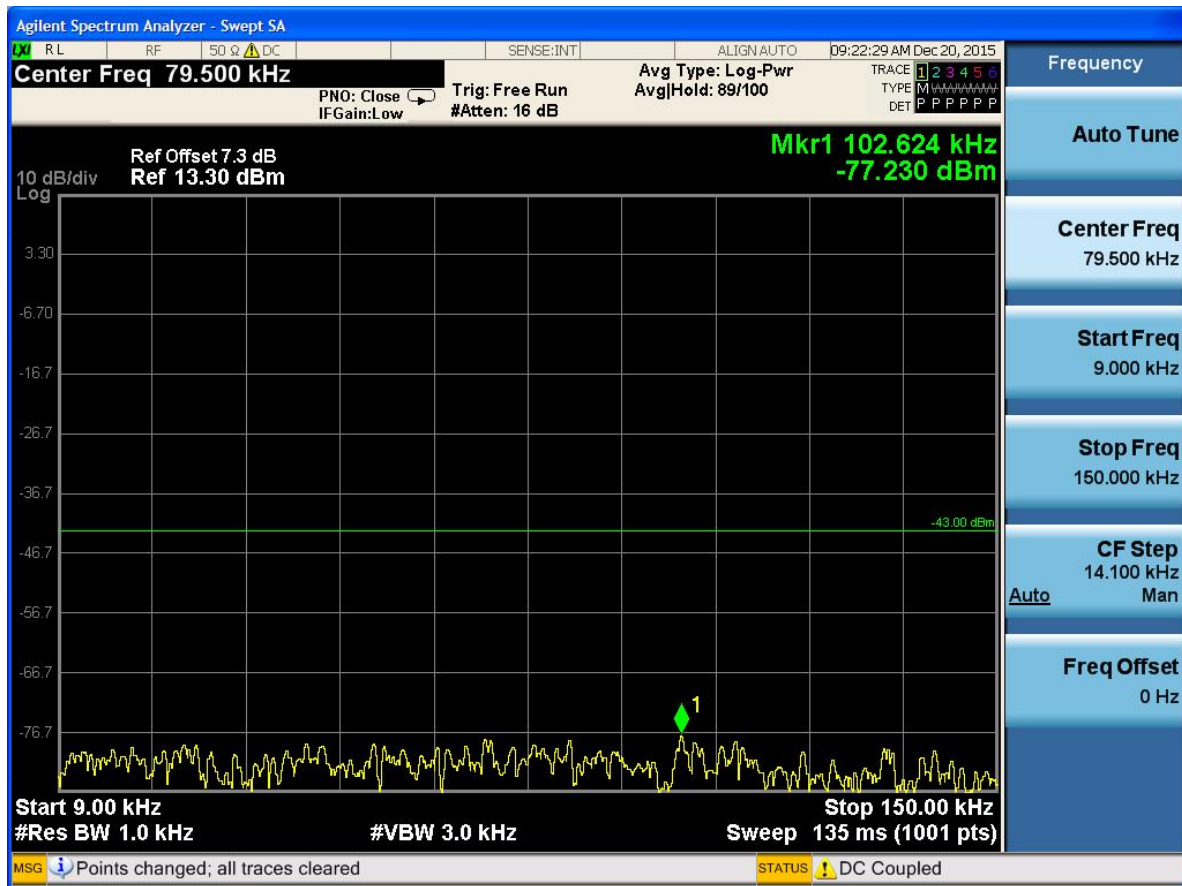




6.1.1.2.3 Test Bandwidth = 15

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

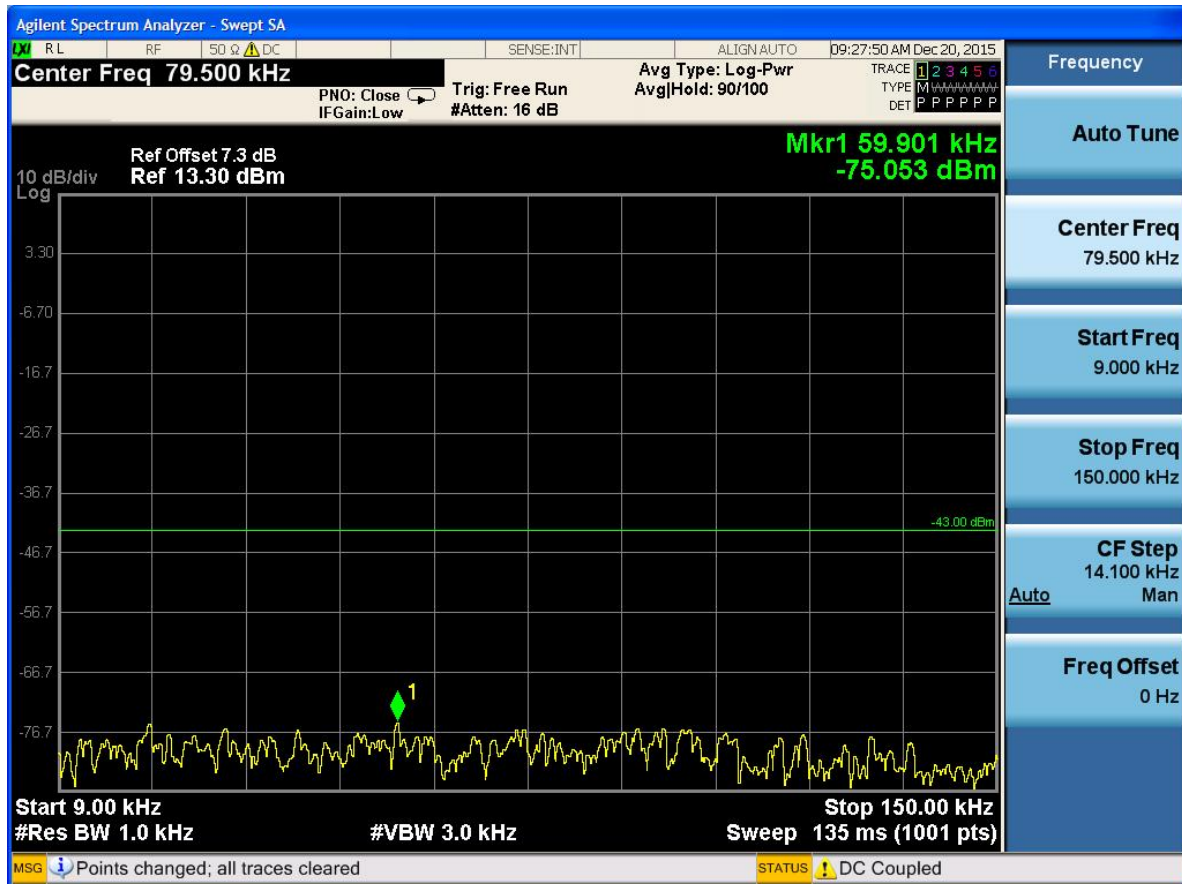


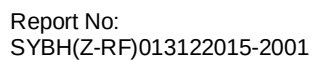




6.1.1.2.4.3 Test Channel = HCH

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, 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

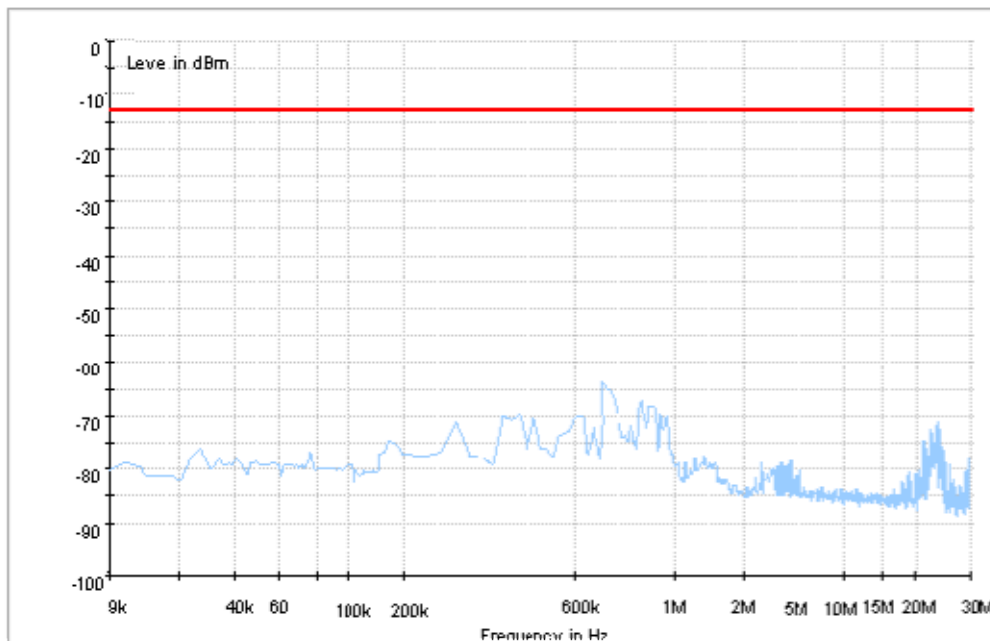
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

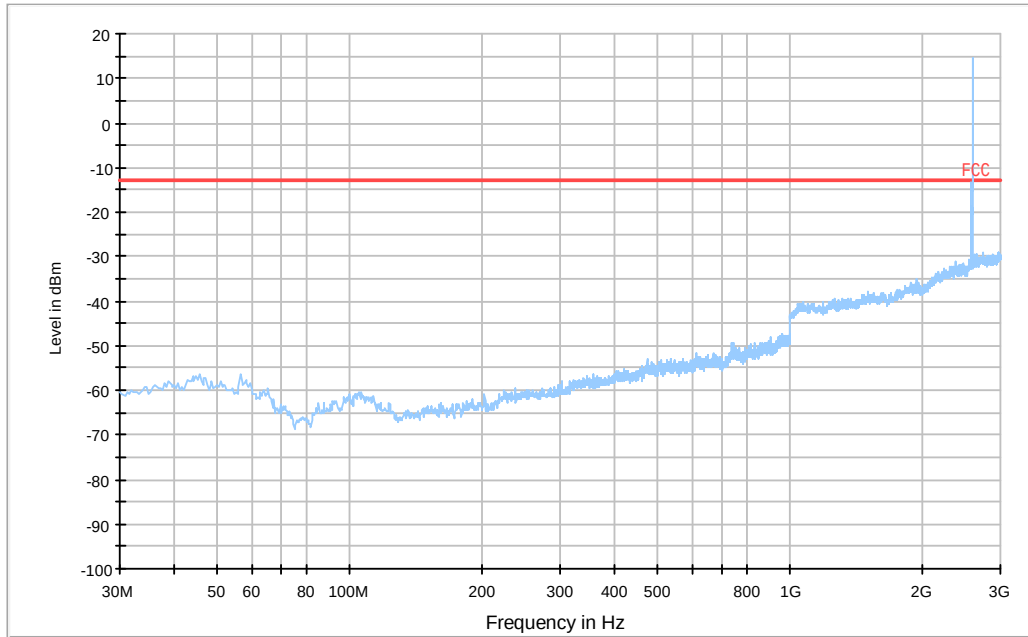
7.1 For LTE

7.1.1 Test Band = BAND41

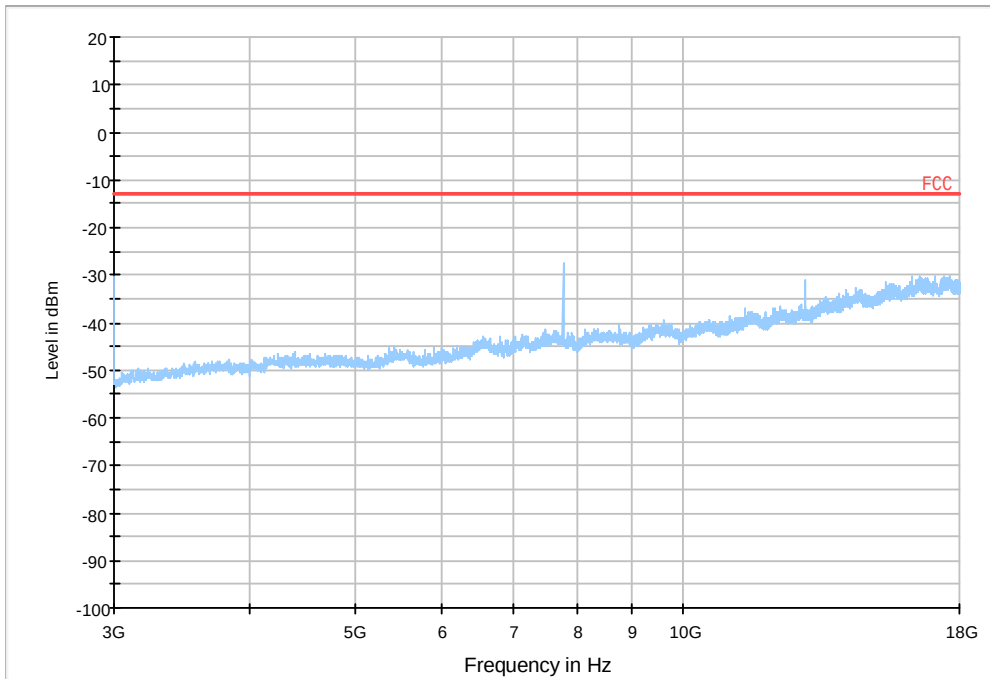
7.1.1.1 Test Bandwidth = 5

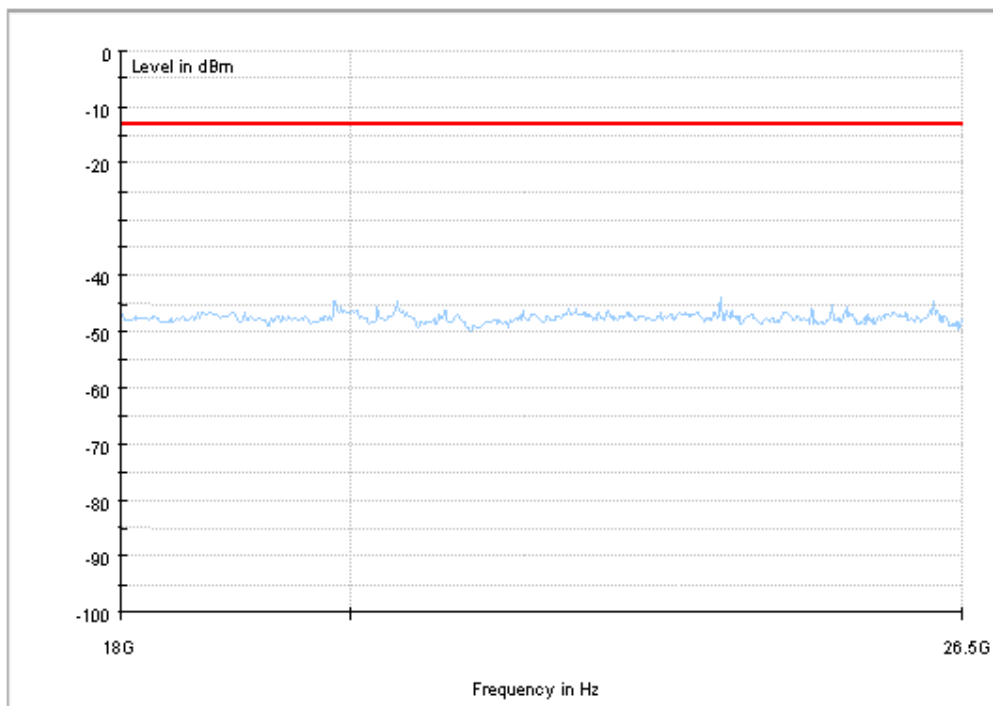


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

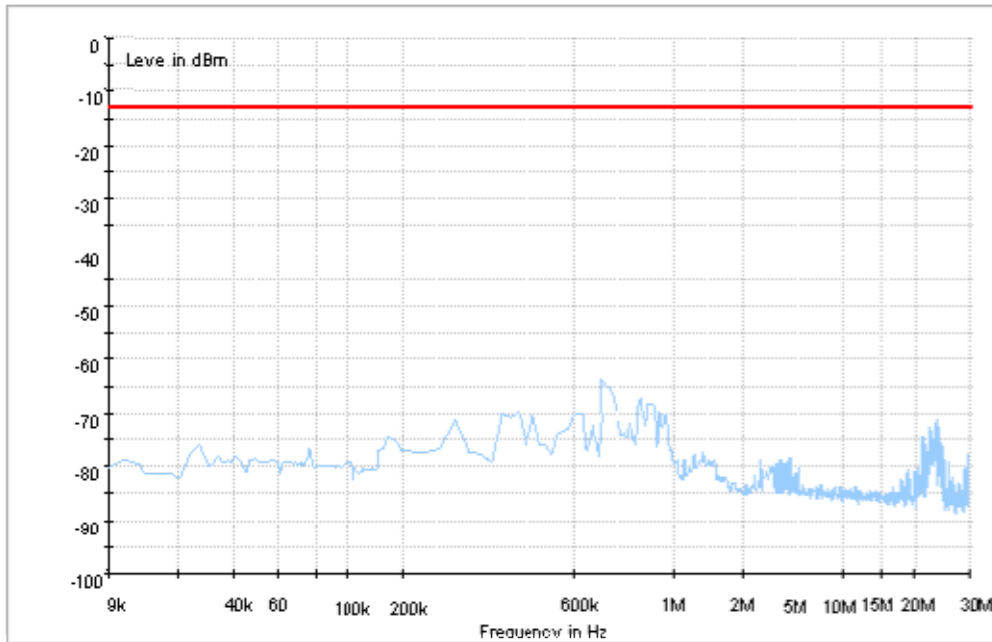


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

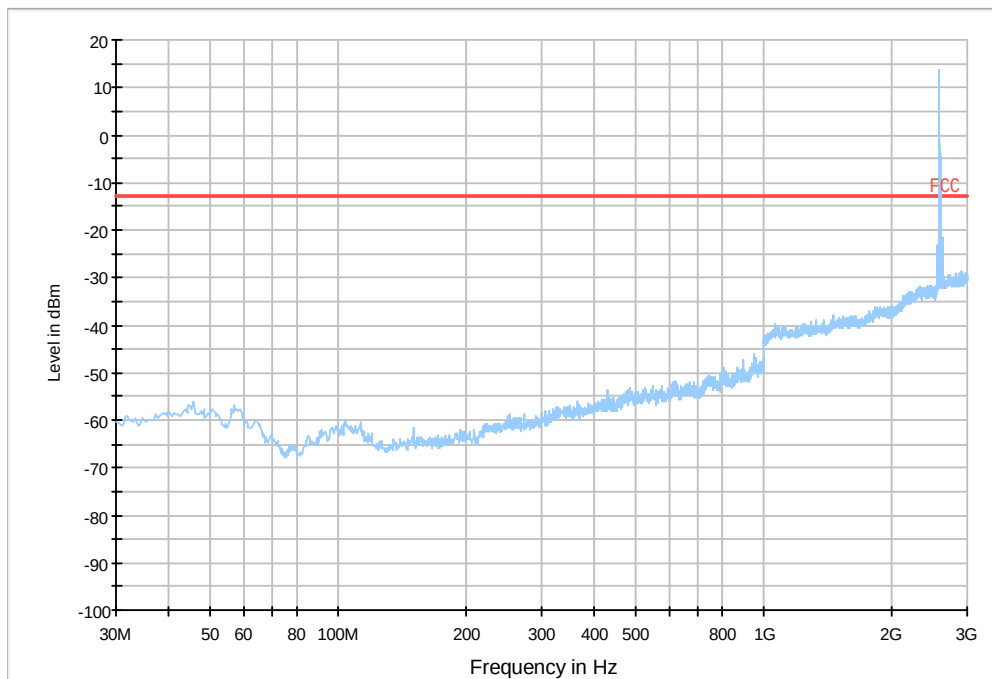




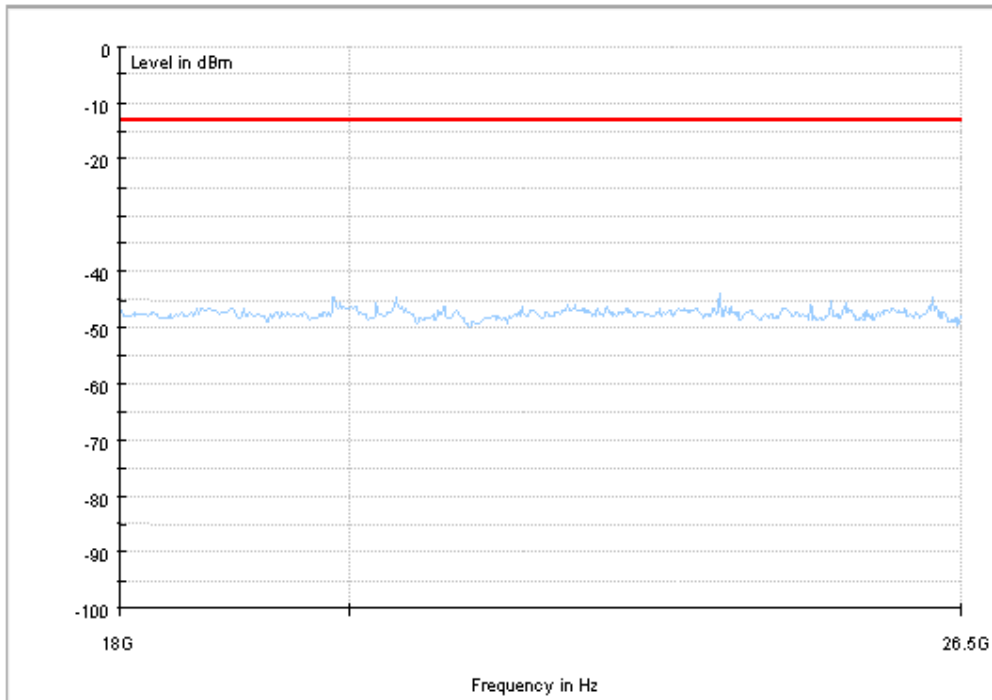
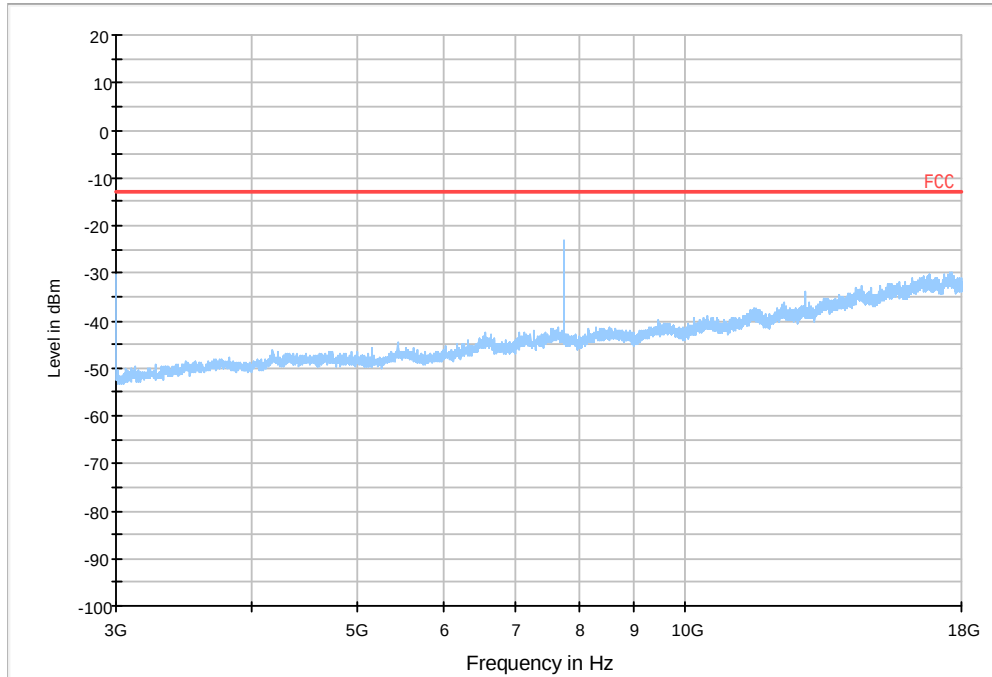
7.1.1.2 Test Bandwidth = 20



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
BAND41	LTE/TM1	5	LCH	TN	VL	-0.14	-0.00005	PASS
					VN	-5.51	-0.00215	PASS
					VH	-5.59	-0.00219	PASS
			MCH	TN	VL	59.70	0.02292	PASS
					VN	20.13	0.00773	PASS
					VH	1.29	0.0005	PASS
			HCH	TN	VL	-0.34	-0.00013	PASS
					VN	1.26	0.00048	PASS
					VH	-3.86	-0.00146	PASS
		10	LCH	TN	VL	-3.76	-0.00147	PASS
					VN	-4.73	-0.00185	PASS
					VH	-7.67	-0.003	PASS
			MCH	TN	VL	-5.87	-0.00225	PASS
					VN	-5.52	-0.00212	PASS
					VH	-4.48	-0.00172	PASS
			HCH	TN	VL	-9.67	-0.00365	PASS
					VN	-9.90	-0.00374	PASS
					VH	-4.76	-0.0018	PASS
		15	LCH	TN	VL	-2.05	-0.0008	PASS
					VN	-1.63	-0.00064	PASS
					VH	-8.63	-0.00337	PASS
			MCH	TN	VL	-3.81	-0.00146	PASS
					VN	-6.25	-0.0024	PASS
					VH	-6.21	-0.00238	PASS
			HCH	TN	VL	-3.63	-0.00137	PASS
					VN	-7.31	-0.00276	PASS
					VH	-6.38	-0.00241	PASS
		20	LCH	TN	VL	51.40	0.02004	PASS
					VN	127.00	0.04951	PASS
					VH	162.22	0.06324	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		MCH	TN	VL	6.01	0.00231	PASS
					VN	8.44	0.00324	PASS
					VH	5.28	0.00203	PASS
			HCH	TN	VL	1.53	0.00058	PASS
					VN	-32.86	-0.01242	PASS
					VH	-2.50	-0.00095	PASS
		5	LCH	TN	VL	-43.64	-0.01706	PASS
					VN	-46.66	-0.01824	PASS
					VH	-13.28	-0.00519	PASS
			MCH	TN	VL	6.87	0.00264	PASS
					VN	-61.88	-0.02375	PASS
					VH	1.44	0.00055	PASS
			HCH	TN	VL	8.11	0.00306	PASS
					VN	0.46	0.00017	PASS
					VH	1.16	0.00044	PASS
		10	LCH	TN	VL	-6.92	-0.0027	PASS
					VN	-6.91	-0.0027	PASS
					VH	-8.21	-0.00321	PASS
			MCH	TN	VL	-4.92	-0.00189	PASS
					VN	-5.82	-0.00223	PASS
					VH	-0.36	-0.00014	PASS
			HCH	TN	VL	-4.43	-0.00167	PASS
					VN	-4.72	-0.00178	PASS
					VH	-5.92	-0.00223	PASS
		15	LCH	TN	VL	-4.46	-0.00174	PASS
					VN	10.30	0.00402	PASS
					VH	2.96	0.00116	PASS
			MCH	TN	VL	15.94	0.00612	PASS
					VN	-0.80	-0.00031	PASS
					VH	3.46	0.00133	PASS
			HCH	TN	VL	0.26	0.0001	PASS
					VN	-2.52	-0.00095	PASS
					VH	-48.14	-0.01818	PASS
		20	LCH	TN	VL	-2.70	-0.00105	PASS
					VN	-5.71	-0.00223	PASS
					VH	-4.61	-0.0018	PASS
			MCH	TN	VL	-7.72	-0.00296	PASS
					VN	-2.27	-0.00087	PASS
					VH	2.25	0.00086	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	-1.52	-0.00057	PASS
					VN	-6.01	-0.00227	PASS
					VH	-4.86	-0.00184	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
BAND41	LTE/TM1	5	LCH	VN	-30	60.42	0.02362	PASS
					-20	77.38	0.03026	PASS
					-10	56.26	0.022	PASS
					0	32.14	0.01257	PASS
					10	28.31	0.01107	PASS
					20	27.09	0.01059	PASS
					30	25.22	0.00986	PASS
					40	46.06	0.01801	PASS
					50	38.60	0.01509	PASS
			MCH	VN	-30	-7.00	-0.00269	PASS
					-20	-5.69	-0.00218	PASS
					-10	-9.58	-0.00368	PASS
					0	-8.60	-0.0033	PASS
					10	-5.54	-0.00213	PASS
					20	-7.87	-0.00302	PASS
					30	-8.91	-0.00342	PASS
					40	-12.39	-0.00476	PASS
					50	-4.76	-0.00183	PASS
			HCH	VN	-30	-1.49	-0.00056	PASS
					-20	-5.26	-0.00198	PASS
					-10	-6.49	-0.00245	PASS
					0	-1.92	-0.00072	PASS
					10	-6.88	-0.00259	PASS
					20	-5.42	-0.00204	PASS
					30	-4.59	-0.00173	PASS
					40	-6.91	-0.0026	PASS
					50	-4.56	-0.00172	PASS
		10	LCH	VN	-30	12.77	0.00499	PASS
					-20	3.91	0.00153	PASS
					-10	3.96	0.00155	PASS
					0	0.46	0.00018	PASS
					10	-1.26	-0.00049	PASS
					20	0.79	0.00031	PASS
					30	0.20	0.00008	PASS
					40	-2.49	-0.00097	PASS
					50	-2.39	-0.00093	PASS
			MCH	VN	-30	8.61	0.00331	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-2.33	-0.00089	PASS
					-10	-4.94	-0.0019	PASS
					0	-0.76	-0.00029	PASS
					10	-4.23	-0.00162	PASS
					20	-1.06	-0.00041	PASS
					30	-5.58	-0.00214	PASS
					40	-1.52	-0.00058	PASS
					50	-5.32	-0.00204	PASS
			HCH	VN	-30	-2.55	-0.00096	PASS
					-20	-8.05	-0.00304	PASS
					-10	-7.48	-0.00282	PASS
					0	-6.11	-0.00231	PASS
					10	-7.04	-0.00266	PASS
					20	-4.95	-0.00187	PASS
					30	-8.61	-0.00325	PASS
					40	-8.64	-0.00326	PASS
					50	-6.08	-0.00229	PASS
		15	LCH	VN	-30	0.57	0.00022	PASS
					-20	-3.69	-0.00144	PASS
					-10	-5.21	-0.00203	PASS
					0	-2.27	-0.00089	PASS
					10	-7.30	-0.00285	PASS
					20	-5.39	-0.0021	PASS
					30	-5.85	-0.00228	PASS
					40	-3.35	-0.00131	PASS
					50	-10.81	-0.00422	PASS
			MCH	VN	-30	-4.69	-0.0018	PASS
					-20	-4.52	-0.00174	PASS
					-10	-0.40	-0.00015	PASS
					0	-6.45	-0.00248	PASS
					10	-6.11	-0.00235	PASS
					20	-6.77	-0.0026	PASS
					30	-13.00	-0.00499	PASS
					40	-5.78	-0.00222	PASS
					50	-12.55	-0.00482	PASS
			HCH	VN	-30	-4.78	-0.00181	PASS
					-20	-1.95	-0.00074	PASS
					-10	-5.48	-0.00207	PASS
					0	-4.66	-0.00176	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-5.41	-0.00204	PASS
					20	-5.79	-0.00219	PASS
					30	-5.97	-0.00225	PASS
					40	-4.92	-0.00186	PASS
					50	-4.43	-0.00167	PASS
			LCH	VN	-30	6.44	0.00251	PASS
					-20	2.72	0.00106	PASS
					-10	2.25	0.00088	PASS
					0	-9.46	-0.00369	PASS
					10	2.13	0.00083	PASS
					20	5.39	0.0021	PASS
					30	4.23	0.00165	PASS
					40	4.15	0.00162	PASS
					50	0.20	0.00008	PASS
			MCH	VN	-30	-4.02	-0.00154	PASS
					-20	-2.00	-0.00077	PASS
					-10	-12.66	-0.00486	PASS
					0	-1.86	-0.00071	PASS
					10	-3.92	-0.0015	PASS
					20	-6.82	-0.00262	PASS
					30	-3.65	-0.0014	PASS
					40	-1.06	-0.00041	PASS
					50	-1.69	-0.00065	PASS
			HCH	VN	-30	-3.69	-0.0014	PASS
					-20	-3.05	-0.00115	PASS
					-10	-6.32	-0.00239	PASS
					0	-6.92	-0.00262	PASS
					10	-7.18	-0.00271	PASS
					20	-4.62	-0.00175	PASS
					30	-7.58	-0.00287	PASS
					40	-5.56	-0.0021	PASS
					50	-5.89	-0.00223	PASS
	LTE/TM2	5	LCH	VN	-30	26.99	0.01055	PASS
					-20	2.62	0.00102	PASS
					-10	6.41	0.00251	PASS
					0	9.44	0.00369	PASS
					10	1.59	0.00062	PASS
					20	7.08	0.00277	PASS
					30	-1.50	-0.00059	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	9.81	0.00384	PASS
					50	4.36	0.0017	PASS
			MCH	VN	-30	-14.56	-0.00559	PASS
					-20	-12.95	-0.00497	PASS
					-10	-16.67	-0.0064	PASS
					0	-16.16	-0.0062	PASS
					10	-13.36	-0.00513	PASS
					20	-15.34	-0.00589	PASS
					30	-9.68	-0.00372	PASS
					40	-7.75	-0.00298	PASS
					50	-4.43	-0.0017	PASS
			HCH	VN	-30	-2.22	-0.00084	PASS
					-20	-2.35	-0.00089	PASS
					-10	-2.40	-0.0009	PASS
					0	-7.41	-0.00279	PASS
					10	-5.65	-0.00213	PASS
					20	-5.25	-0.00198	PASS
					30	-4.63	-0.00175	PASS
					40	-10.44	-0.00394	PASS
					50	-2.92	-0.0011	PASS
		10	LCH	VN	-30	14.59	0.0057	PASS
					-20	8.54	0.00334	PASS
					-10	15.09	0.00589	PASS
					0	0.11	0.00004	PASS
					10	0.17	0.00007	PASS
					20	-5.34	-0.00209	PASS
					30	17.32	0.00677	PASS
					40	34.15	0.01334	PASS
					50	-11.87	-0.00464	PASS
			MCH	VN	-30	-7.72	-0.00296	PASS
					-20	-6.15	-0.00236	PASS
					-10	-8.51	-0.00327	PASS
					0	-14.55	-0.00559	PASS
					10	-10.56	-0.00405	PASS
					20	-9.13	-0.0035	PASS
					30	-11.34	-0.00435	PASS
					40	-11.63	-0.00446	PASS
					50	-3.60	-0.00138	PASS
			HCH	VN	-30	-6.95	-0.00262	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-4.52	-0.00171	PASS
					-10	-2.73	-0.00103	PASS
					0	-7.60	-0.00287	PASS
					10	-7.10	-0.00268	PASS
					20	-8.44	-0.00318	PASS
					30	-4.16	-0.00157	PASS
					40	-7.48	-0.00282	PASS
					50	-5.71	-0.00215	PASS
		15	LCH	VN	-30	-4.28	-0.00167	PASS
					-20	-6.98	-0.00272	PASS
					-10	-4.69	-0.00183	PASS
					0	-8.74	-0.00341	PASS
					10	-4.92	-0.00192	PASS
					20	-4.02	-0.00157	PASS
					30	-4.68	-0.00183	PASS
					40	-4.18	-0.00163	PASS
					50	-5.48	-0.00214	PASS
			MCH	VN	-30	-4.16	-0.0016	PASS
					-20	-10.27	-0.00394	PASS
					-10	-8.11	-0.00311	PASS
					0	-5.87	-0.00225	PASS
					10	-7.55	-0.0029	PASS
					20	-7.07	-0.00271	PASS
					30	-6.15	-0.00236	PASS
					40	-6.97	-0.00268	PASS
					50	-3.71	-0.00142	PASS
			HCH	VN	-30	-4.56	-0.00172	PASS
					-20	-3.58	-0.00135	PASS
					-10	-4.81	-0.00182	PASS
					0	-6.45	-0.00244	PASS
					10	-6.29	-0.00238	PASS
					20	-7.40	-0.00279	PASS
					30	-6.75	-0.00255	PASS
					40	-5.78	-0.00218	PASS
					50	-5.05	-0.00191	PASS
		20	LCH	VN	-30	-7.14	-0.00278	PASS
					-20	-5.94	-0.00232	PASS
					-10	-3.79	-0.00148	PASS
					0	-6.52	-0.00254	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-8.80	-0.00343	PASS
					20	-6.97	-0.00272	PASS
					30	-7.40	-0.00288	PASS
					40	-8.44	-0.00329	PASS
					50	-5.21	-0.00203	PASS
			MCH	VN	-30	-0.09	-0.00003	PASS
					-20	-4.33	-0.00166	PASS
					-10	-0.62	-0.00024	PASS
					0	-5.38	-0.00207	PASS
					10	-10.76	-0.00413	PASS
					20	-3.12	-0.0012	PASS
					30	-6.82	-0.00262	PASS
					40	-1.66	-0.00064	PASS
					50	-5.06	-0.00194	PASS
			HCH	VN	-30	-8.20	-0.0031	PASS
					-20	-8.03	-0.00304	PASS
					-10	-3.58	-0.00135	PASS
					0	-6.92	-0.00262	PASS
					10	-6.48	-0.00245	PASS
					20	-8.84	-0.00334	PASS
					30	-7.48	-0.00283	PASS
					40	-2.63	-0.00099	PASS
					50	-5.41	-0.00205	PASS

END