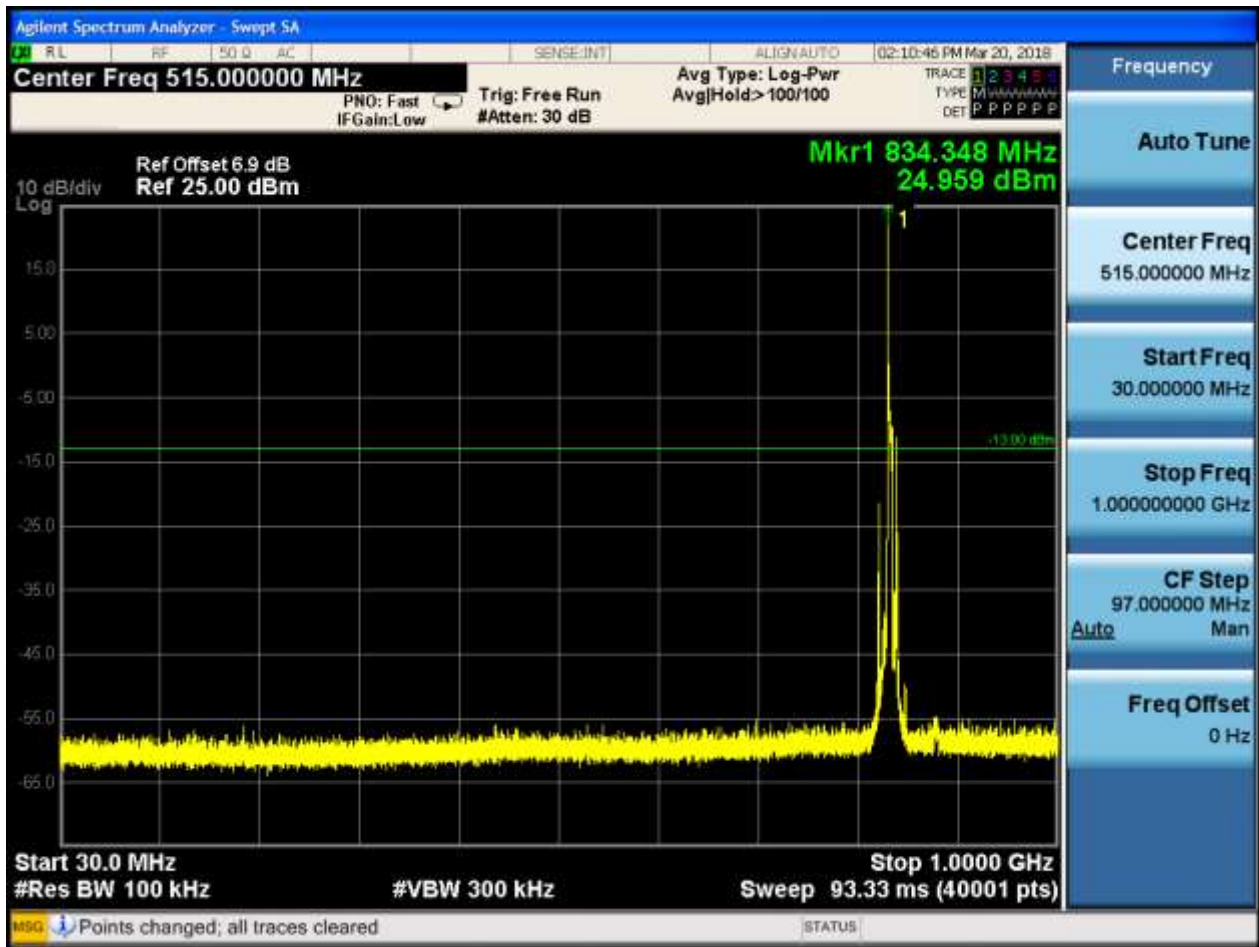
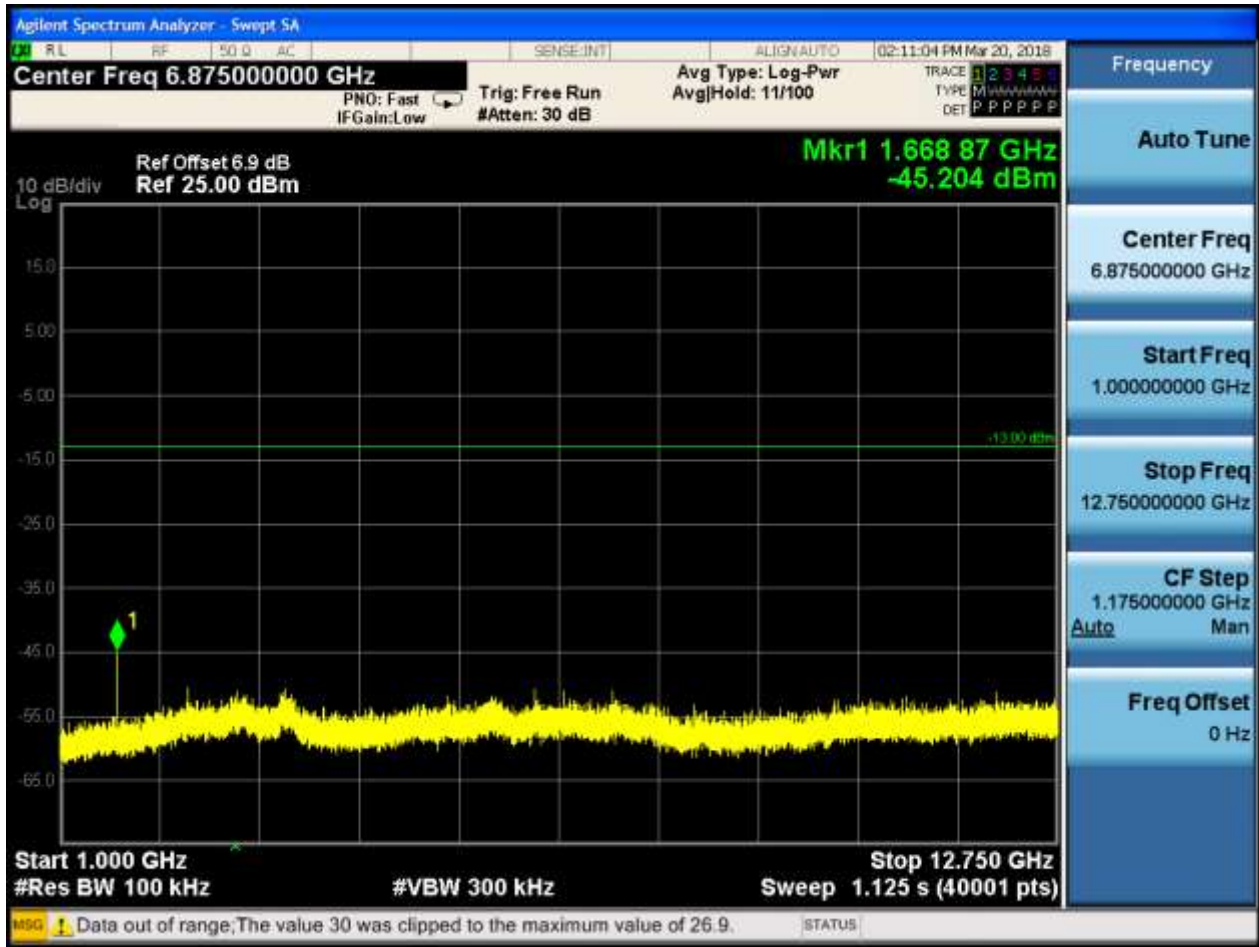


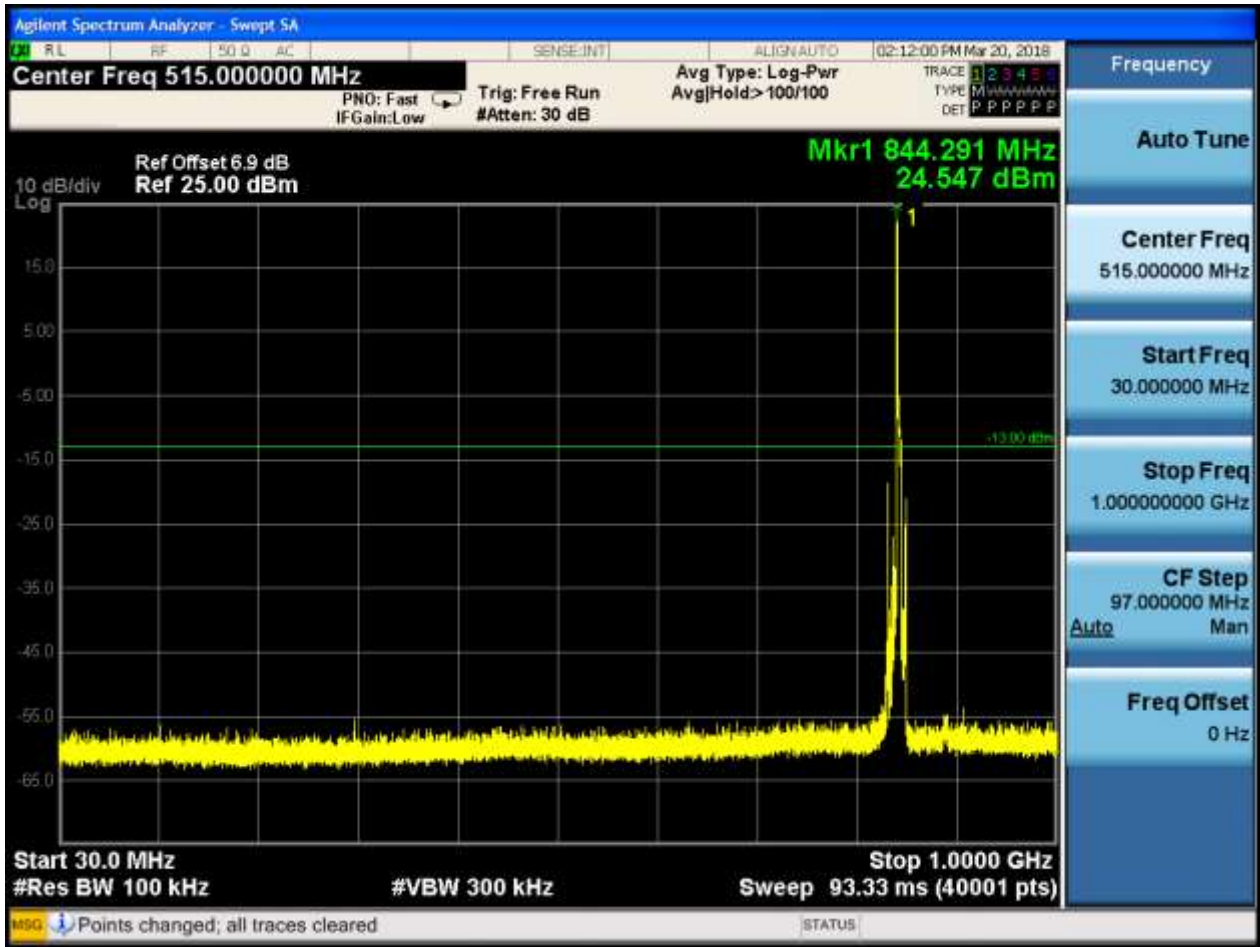


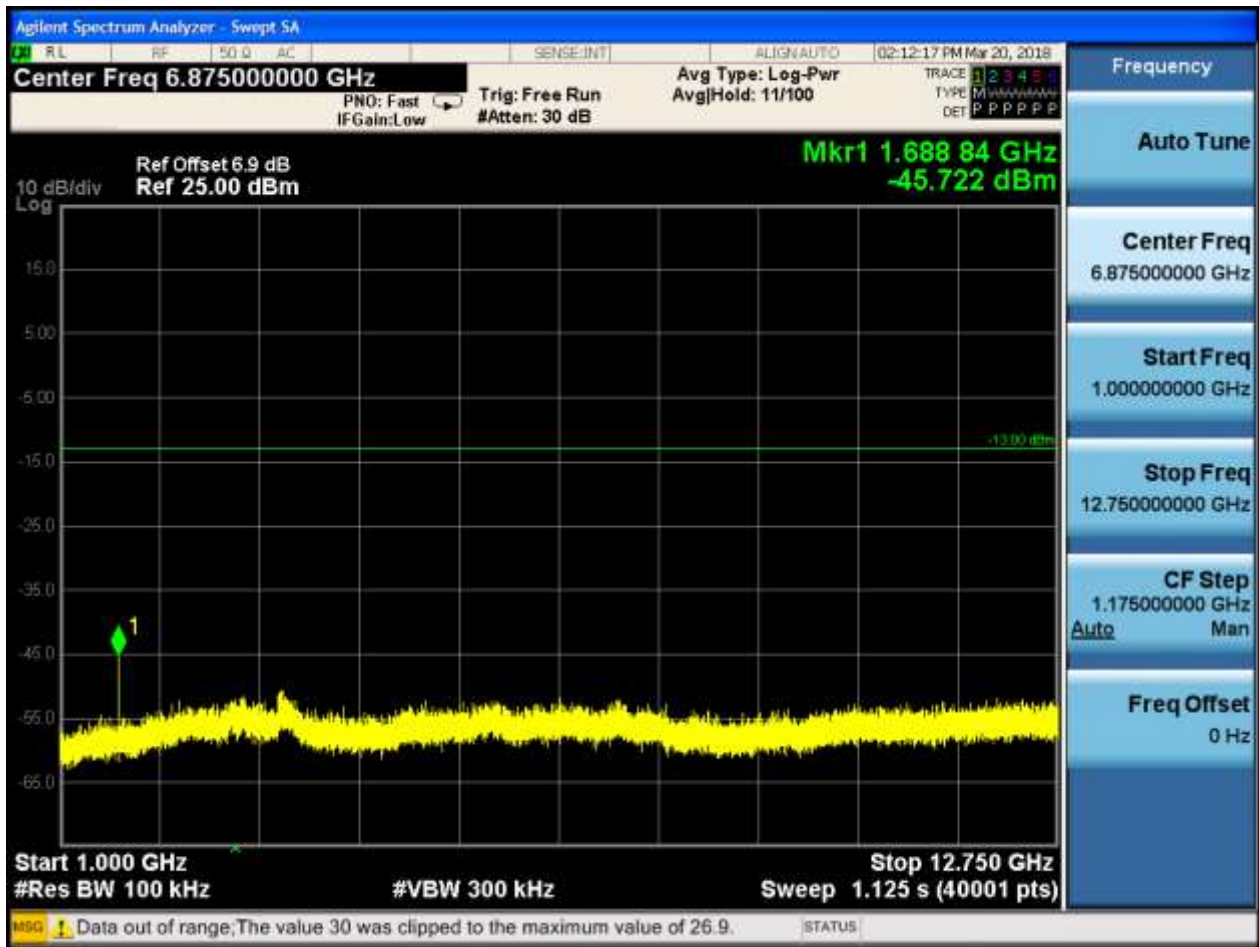


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





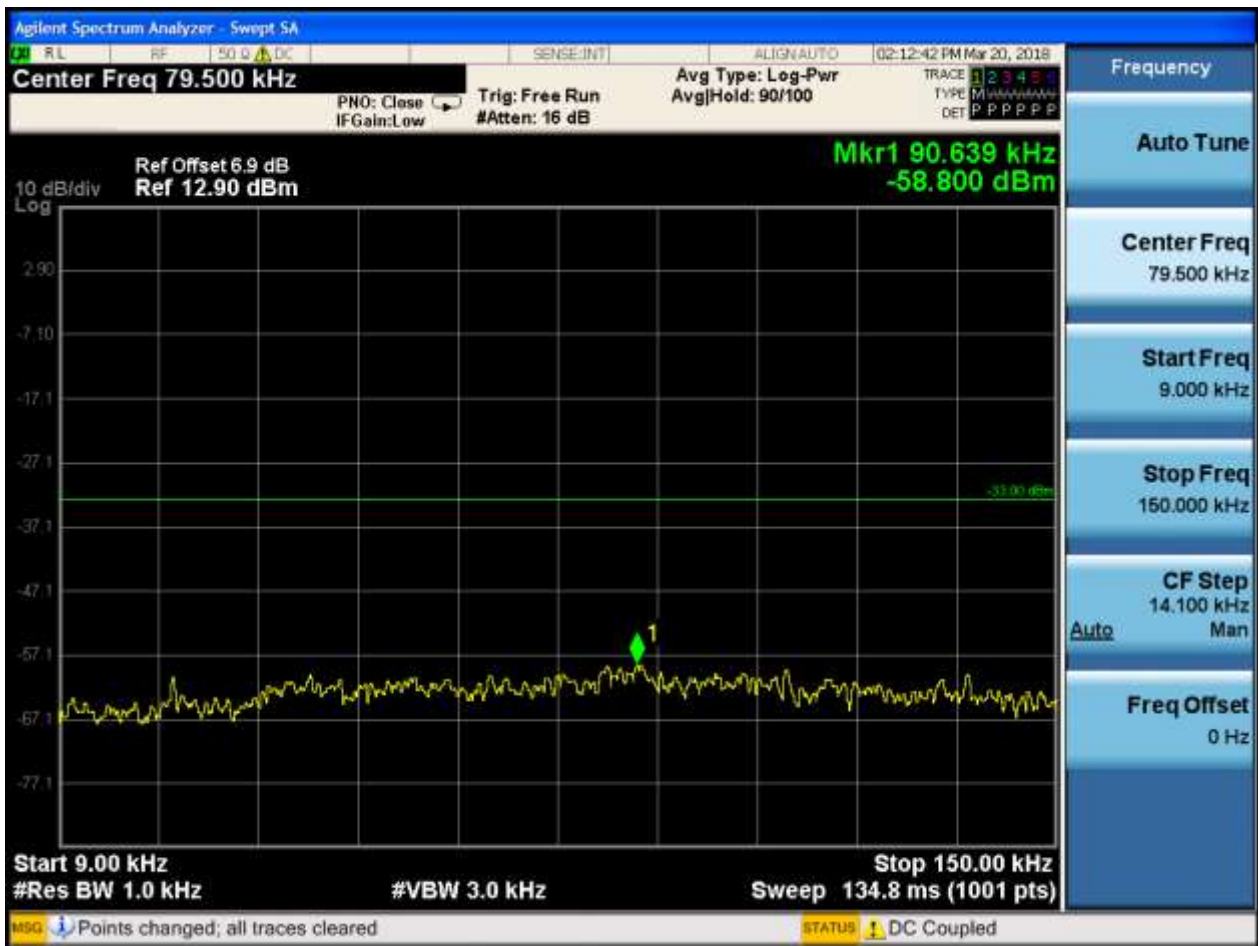




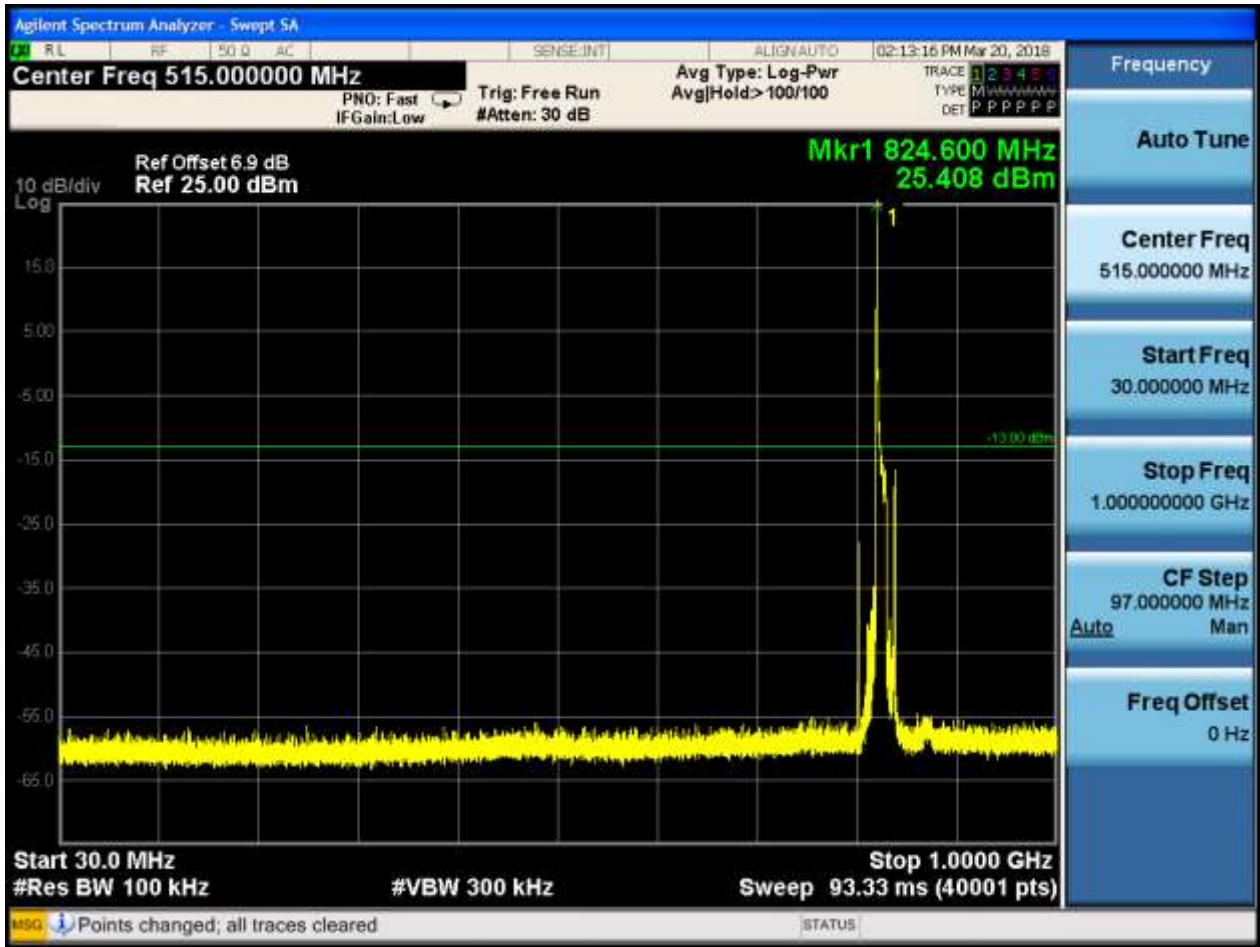
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

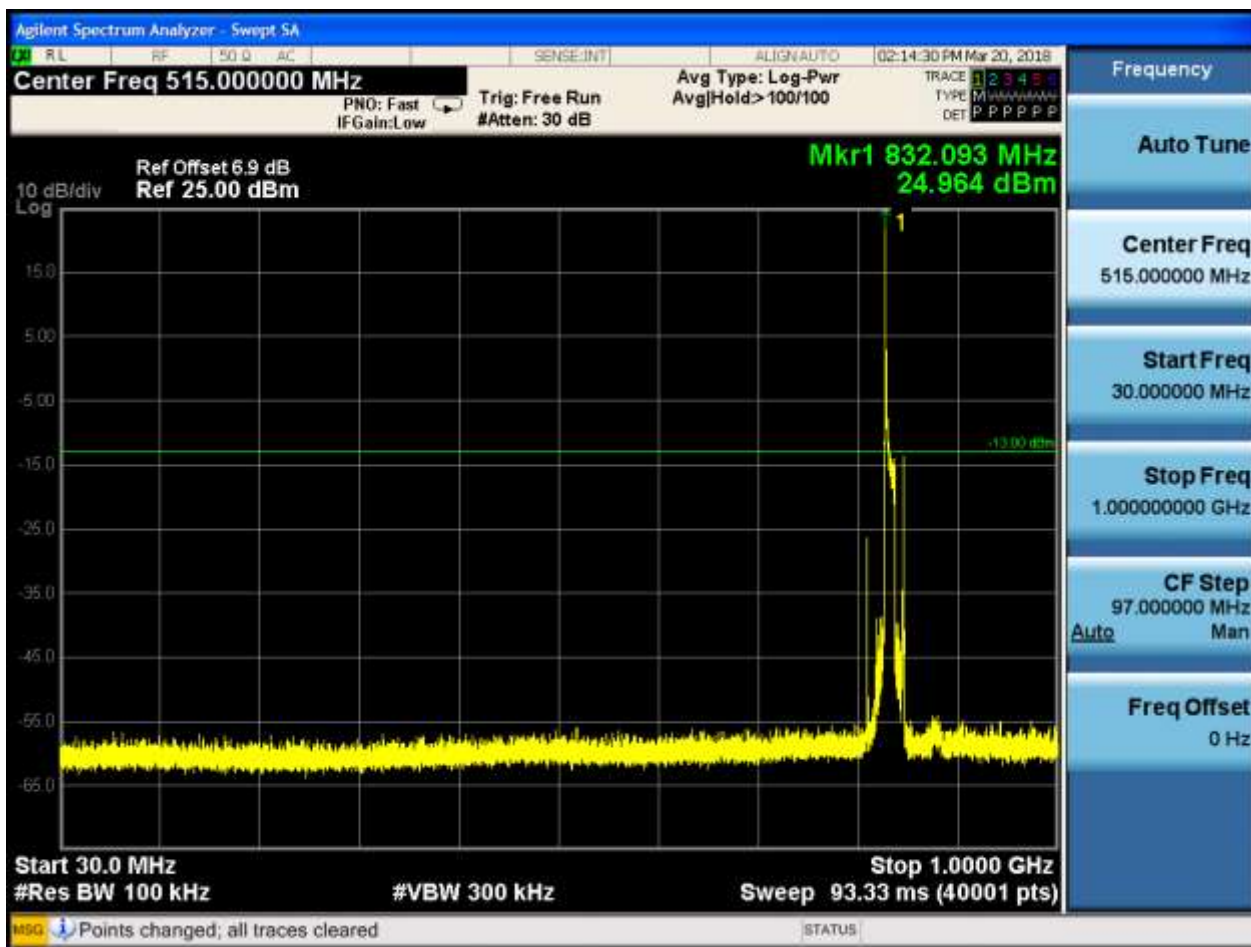
6.1.1.1.4.1.1 Test RB = RB1#0

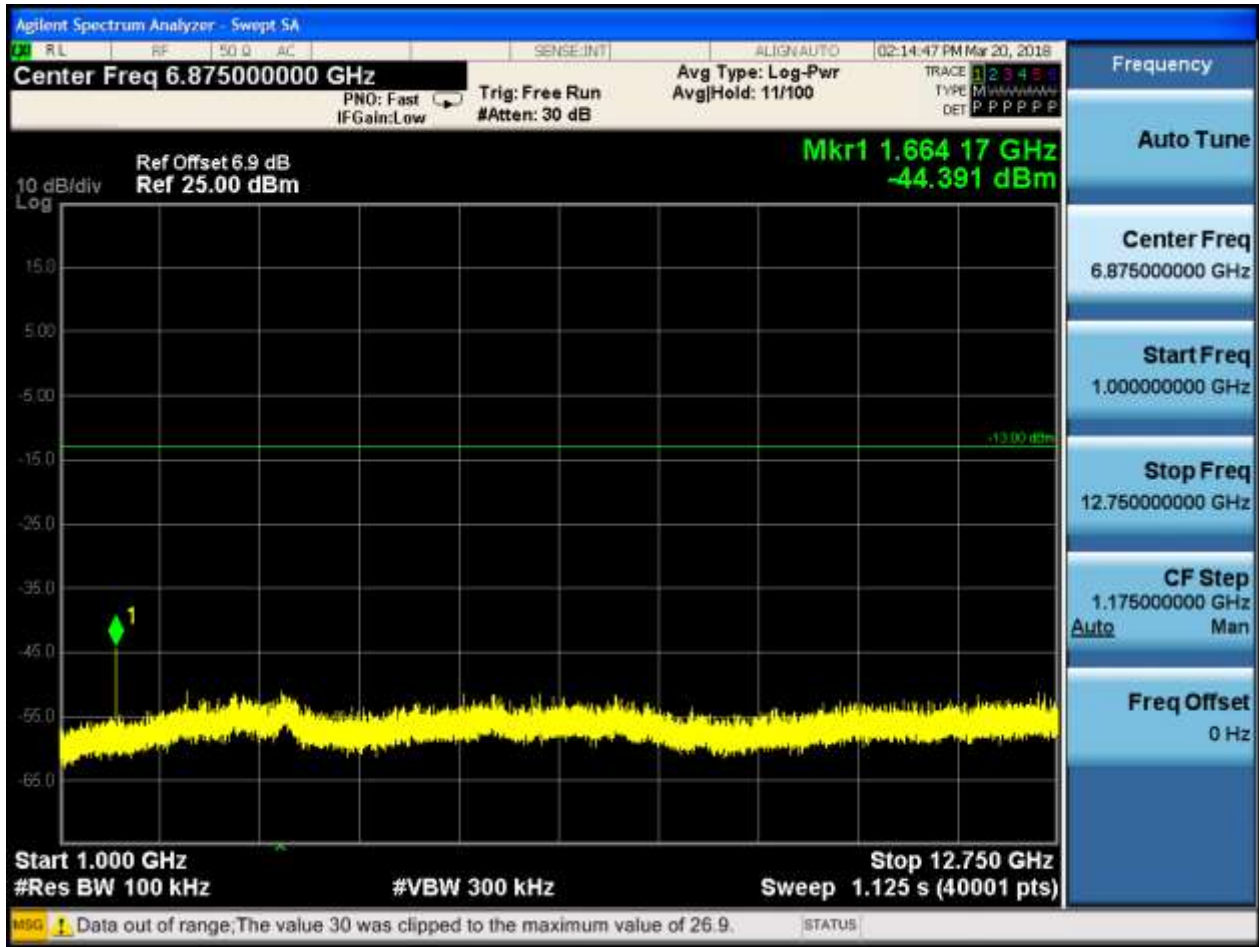












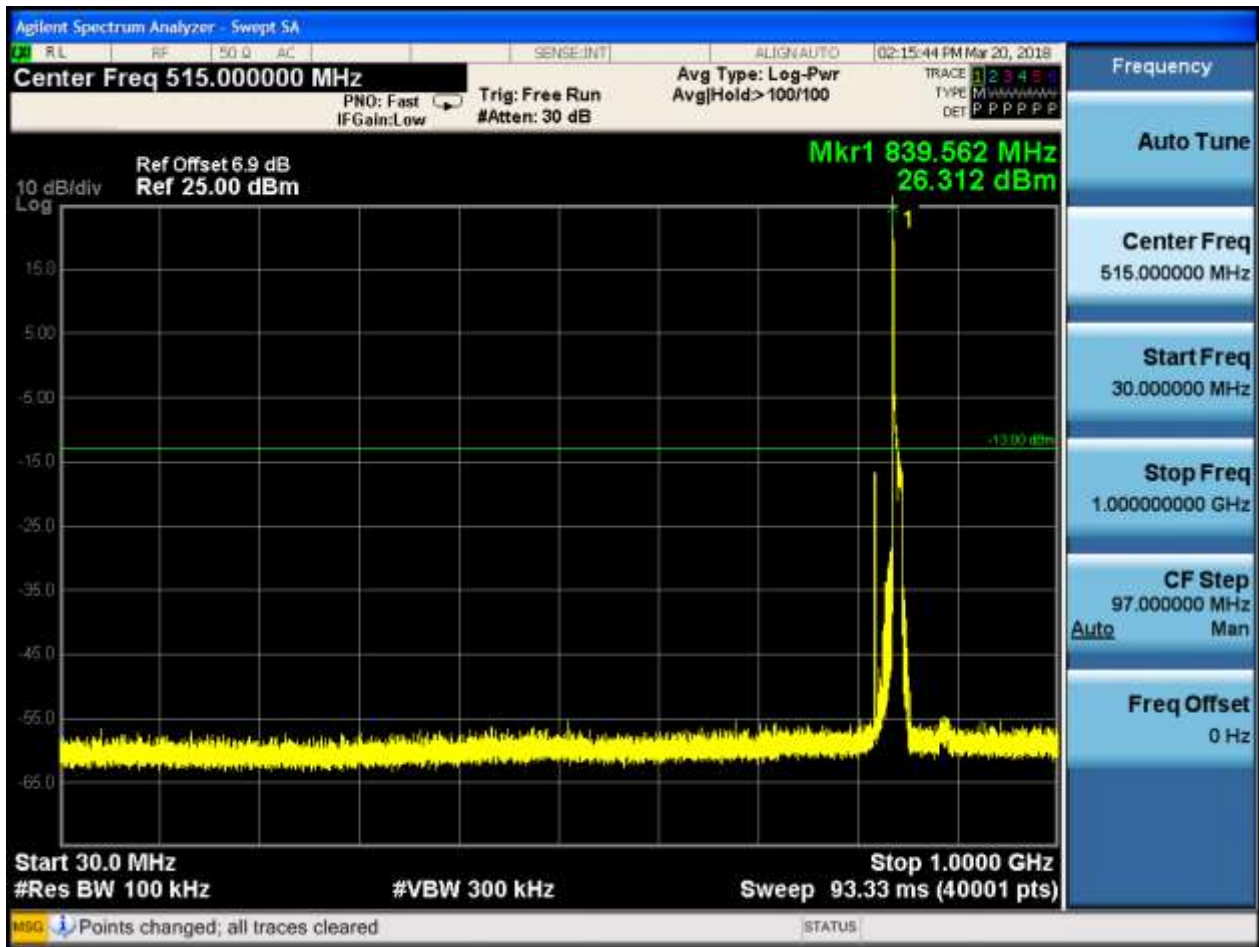


6.1.1.1.4.3 Test Channel = HCH

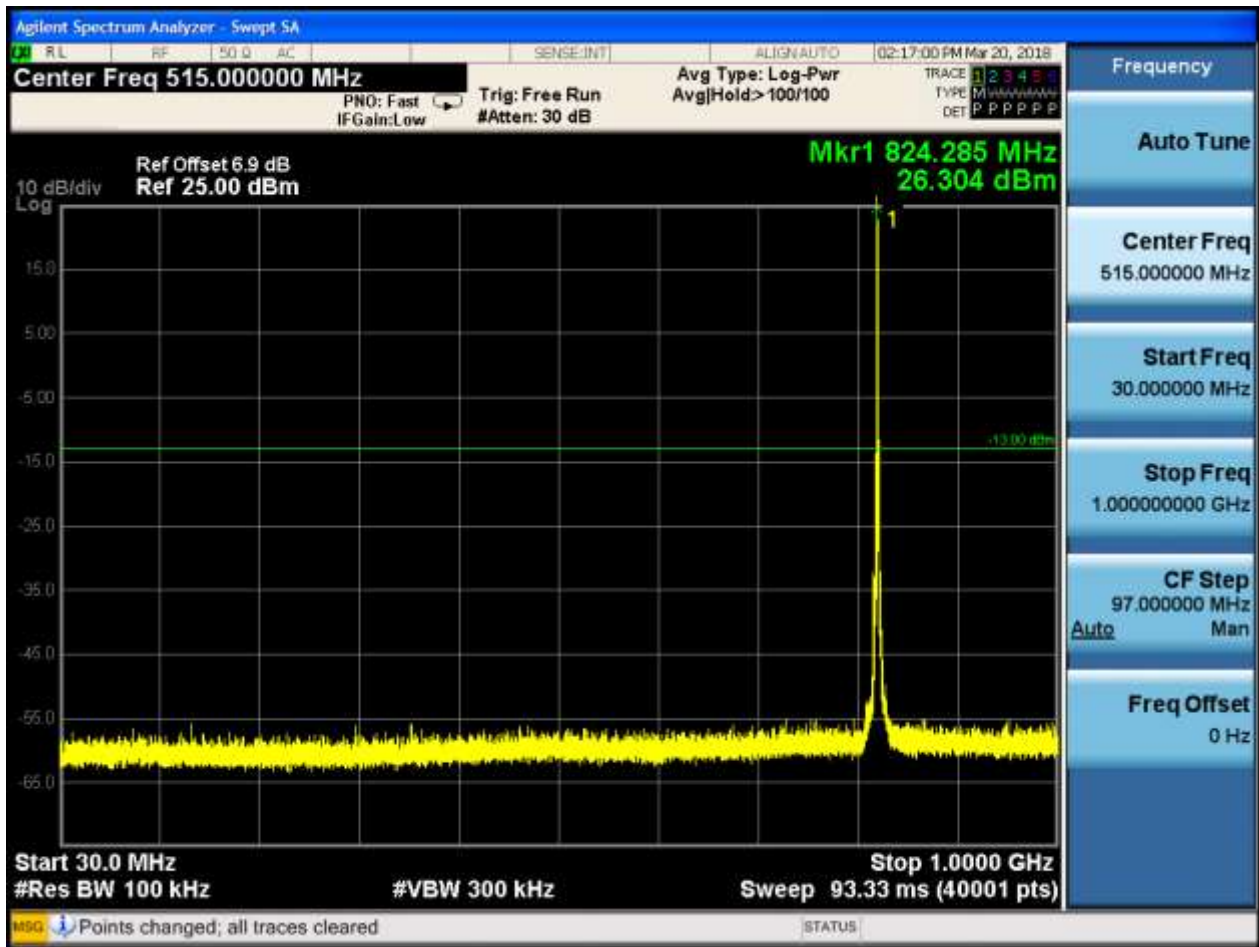
6.1.1.1.4.3.1 Test RB = RB1#0

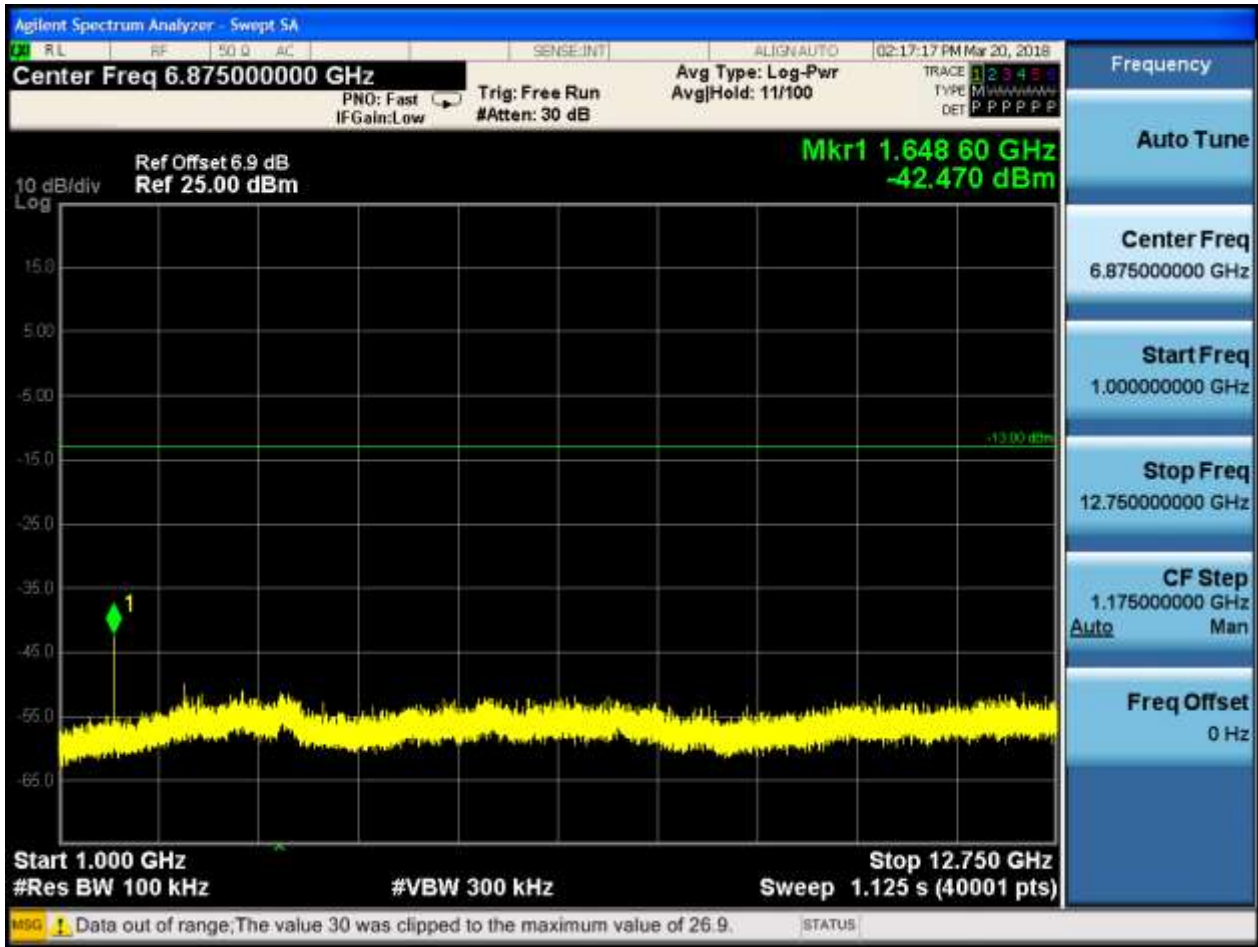








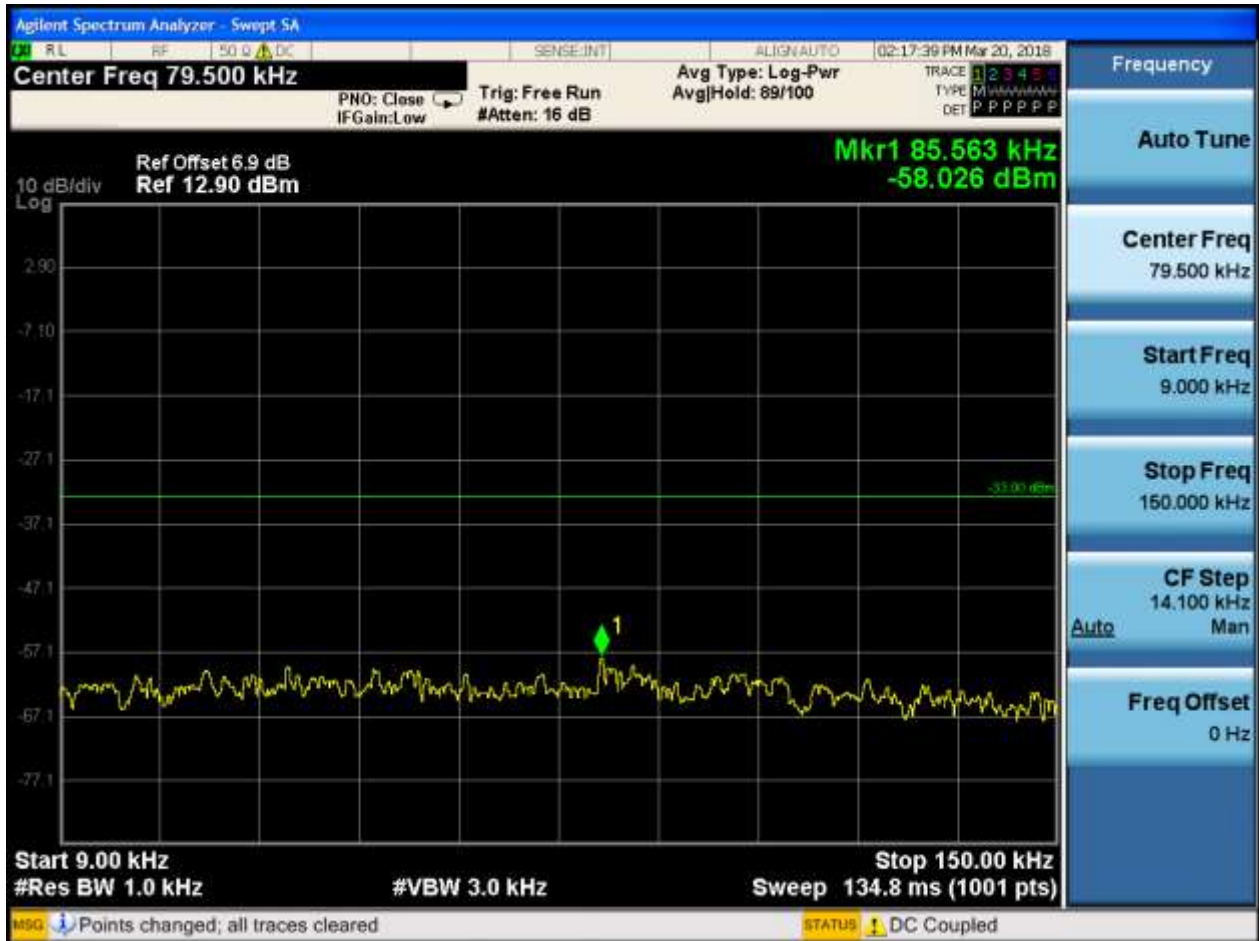




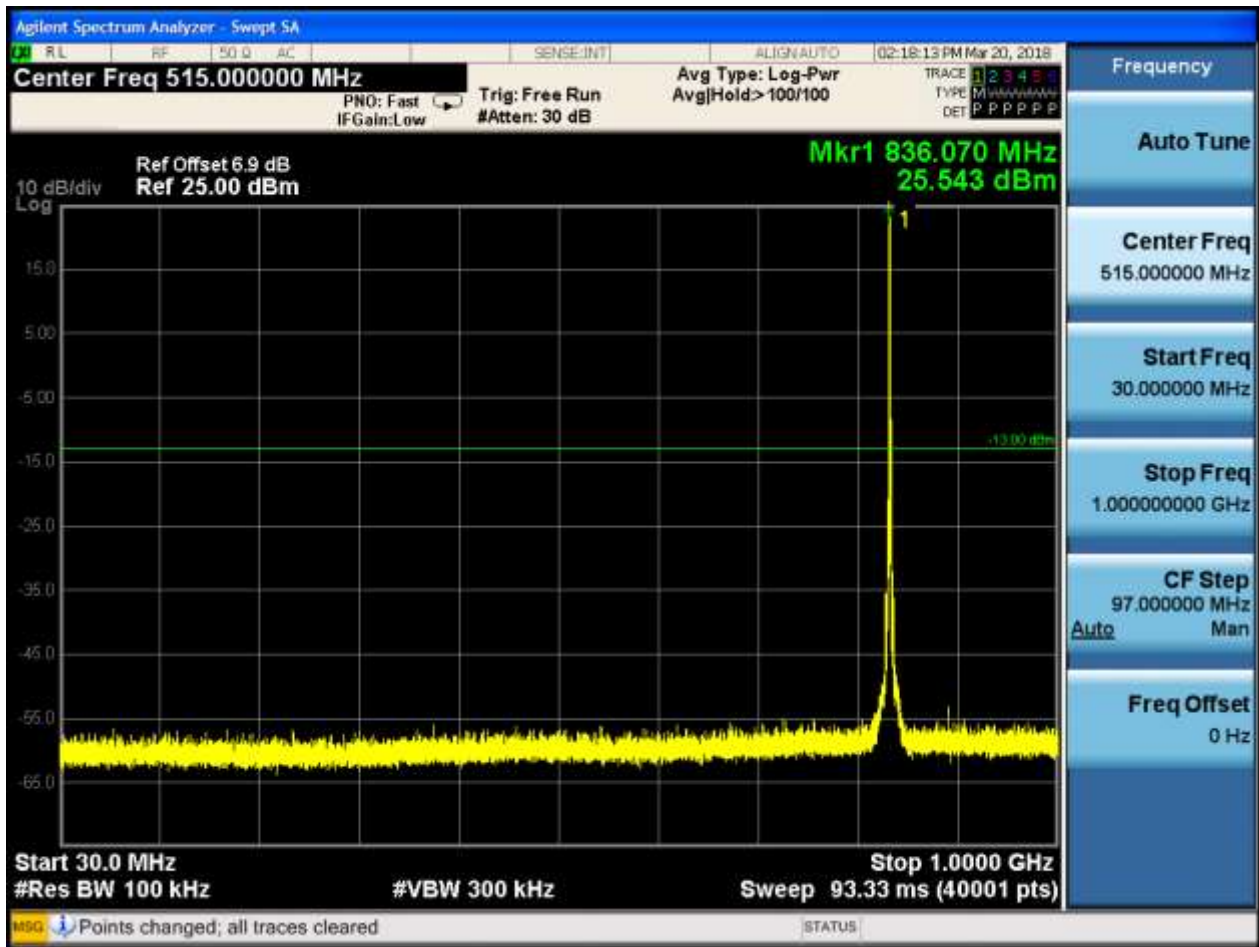


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







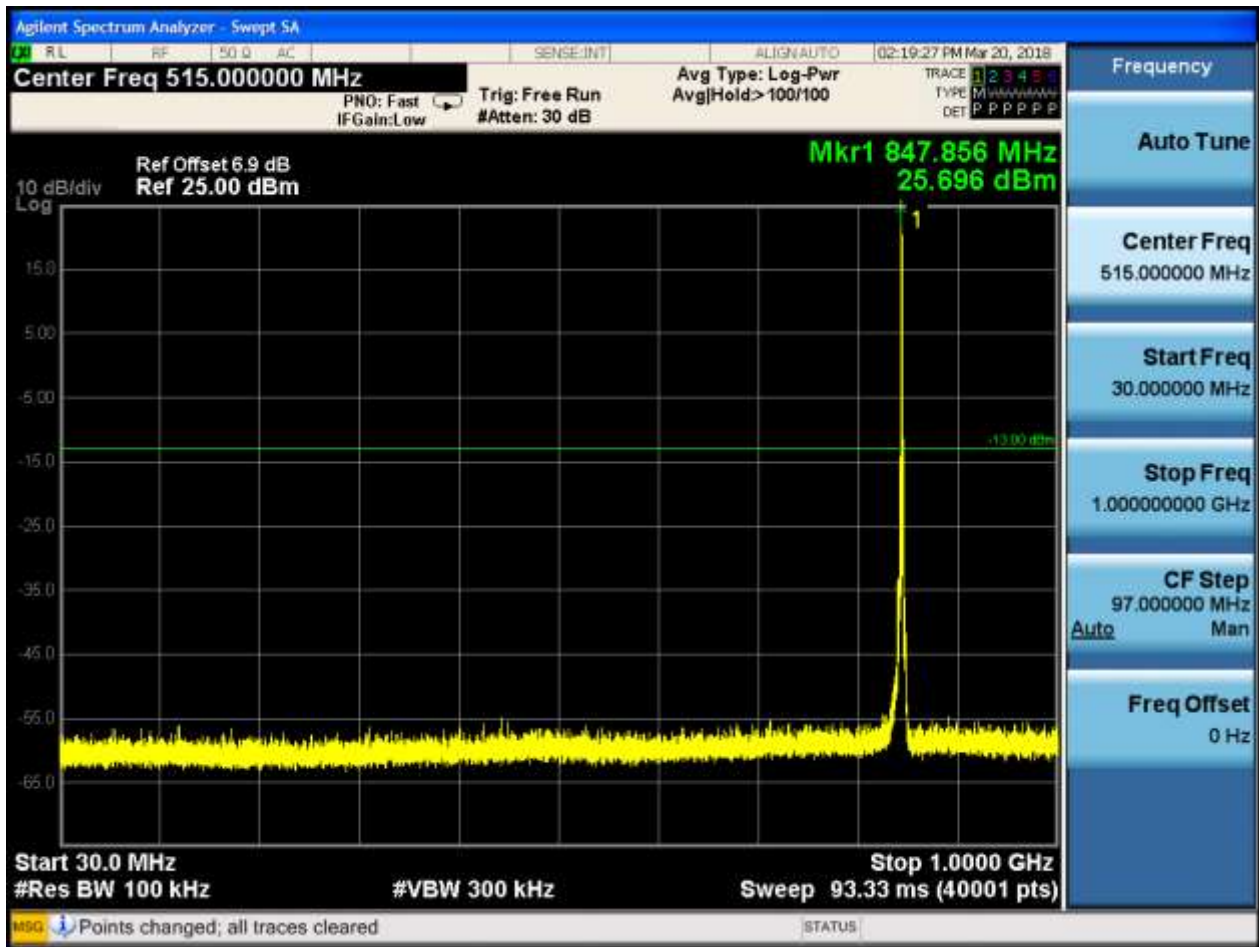


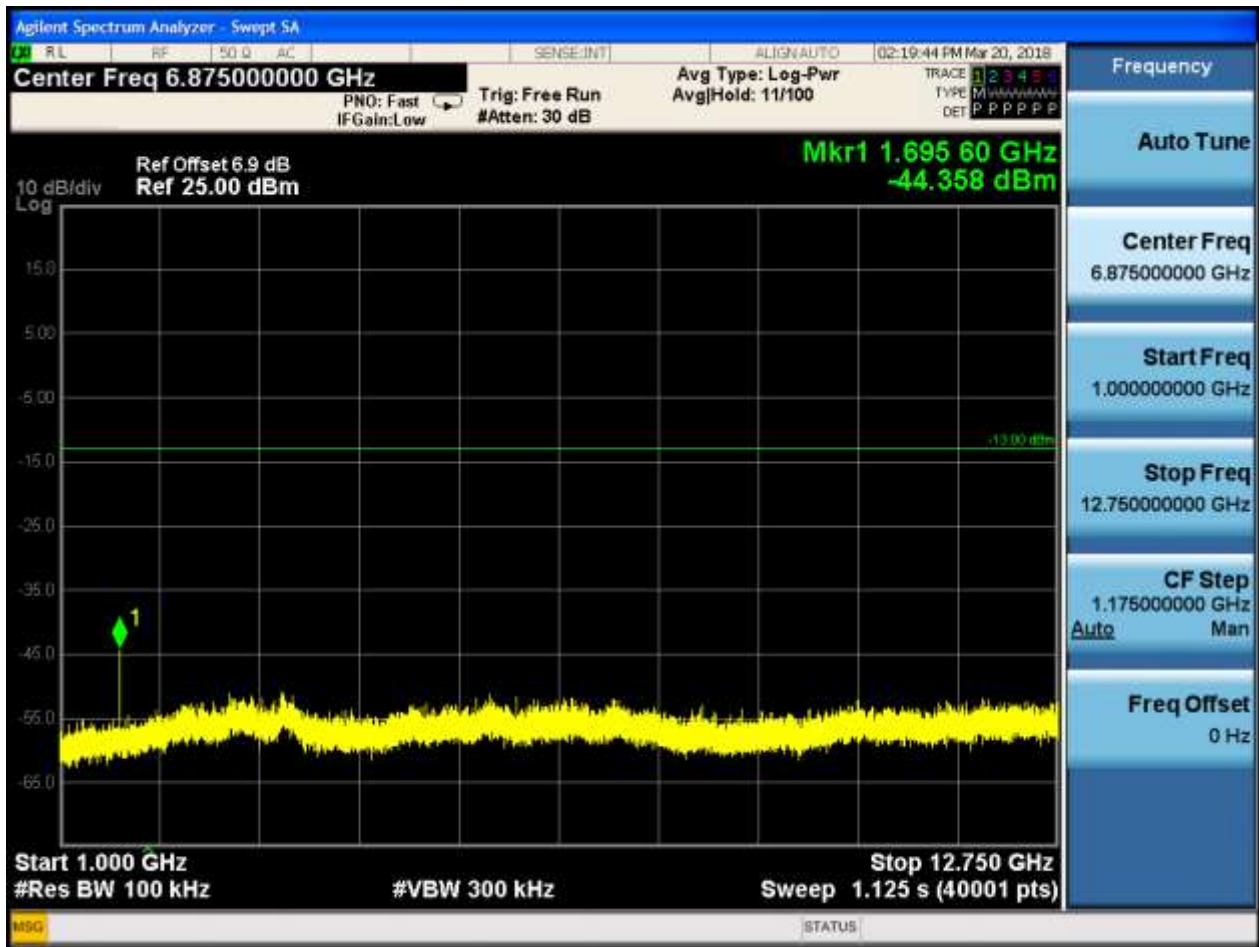
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0









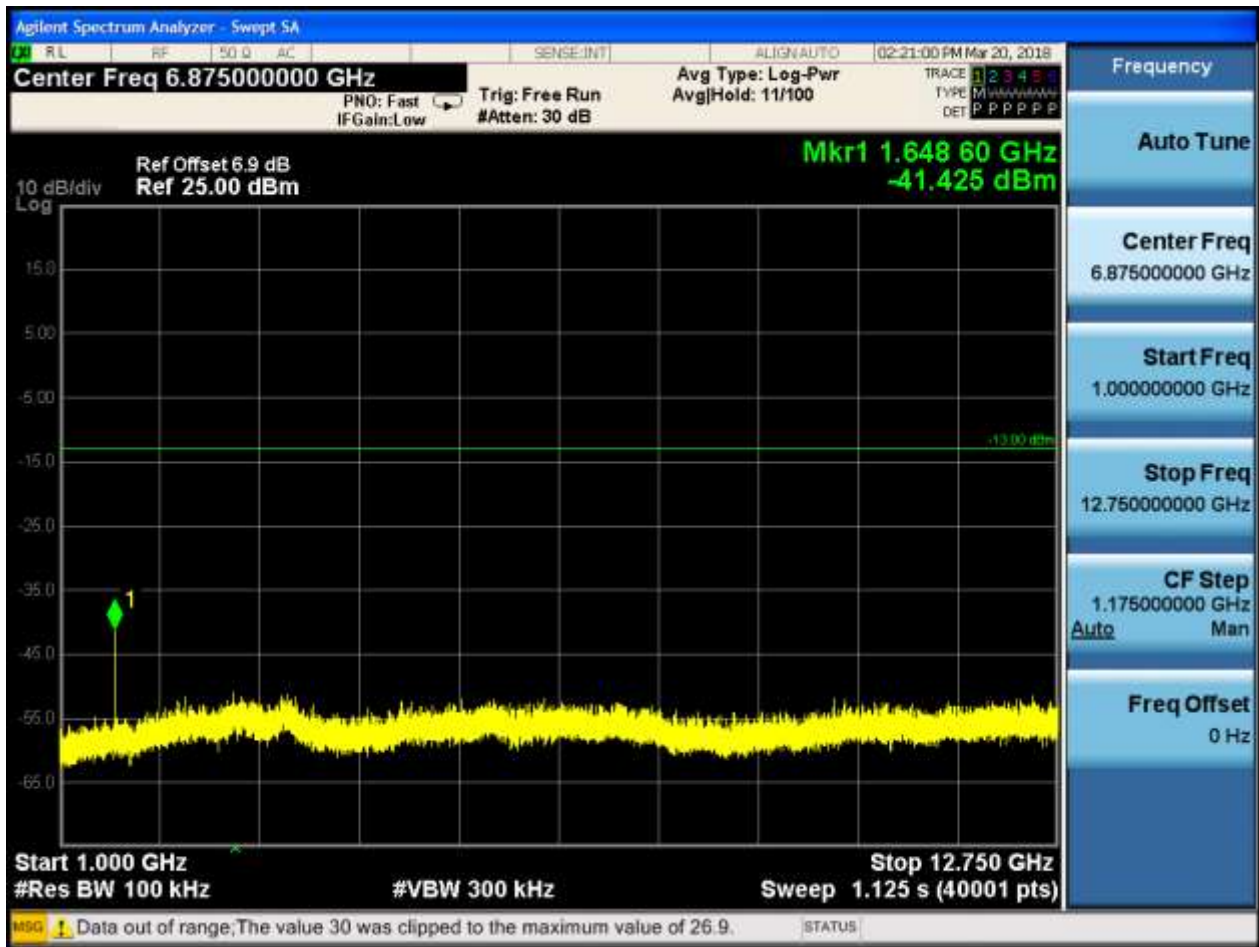


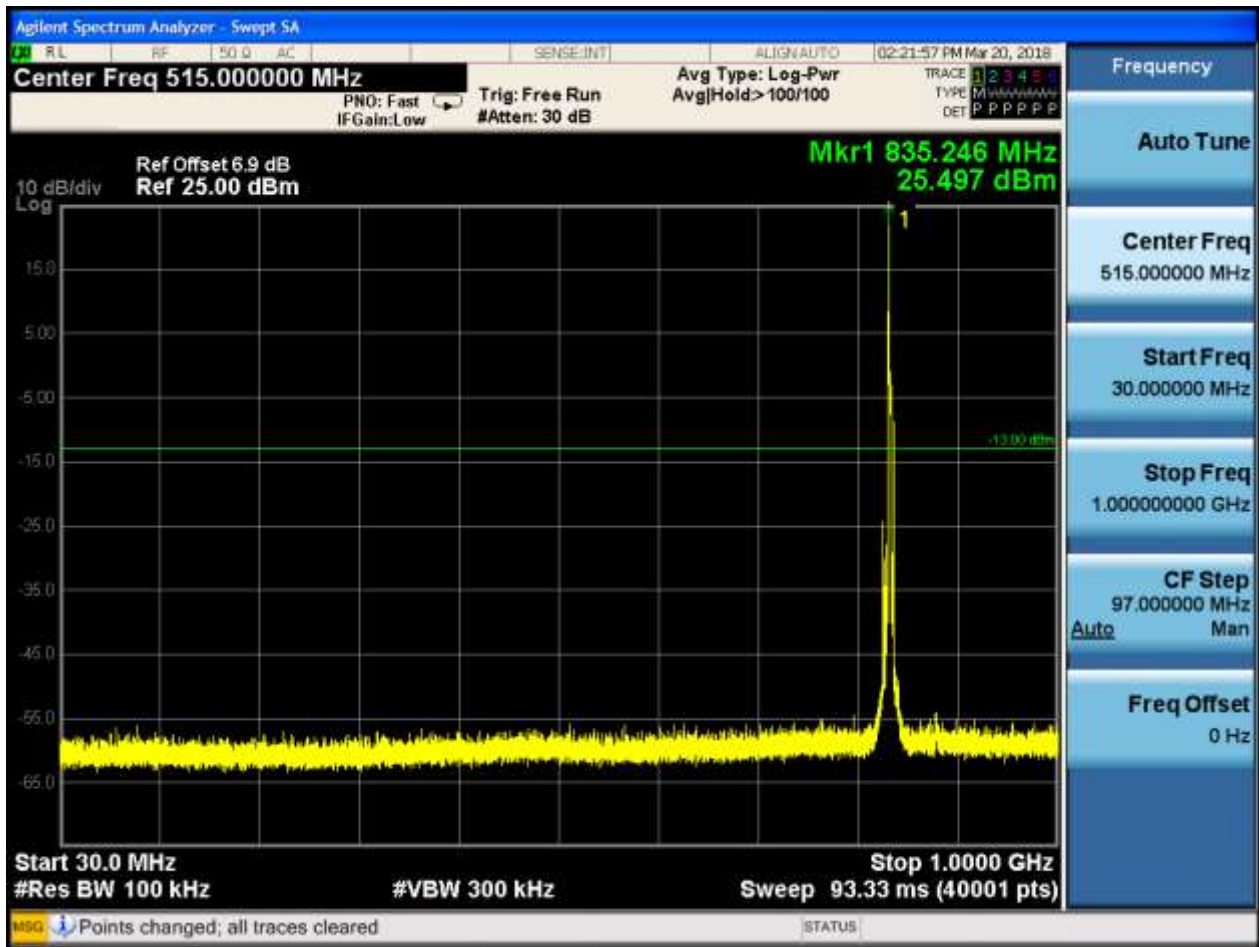
6.1.1.2.2 Test Bandwidth = 3

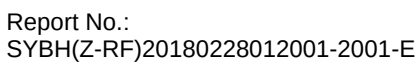
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





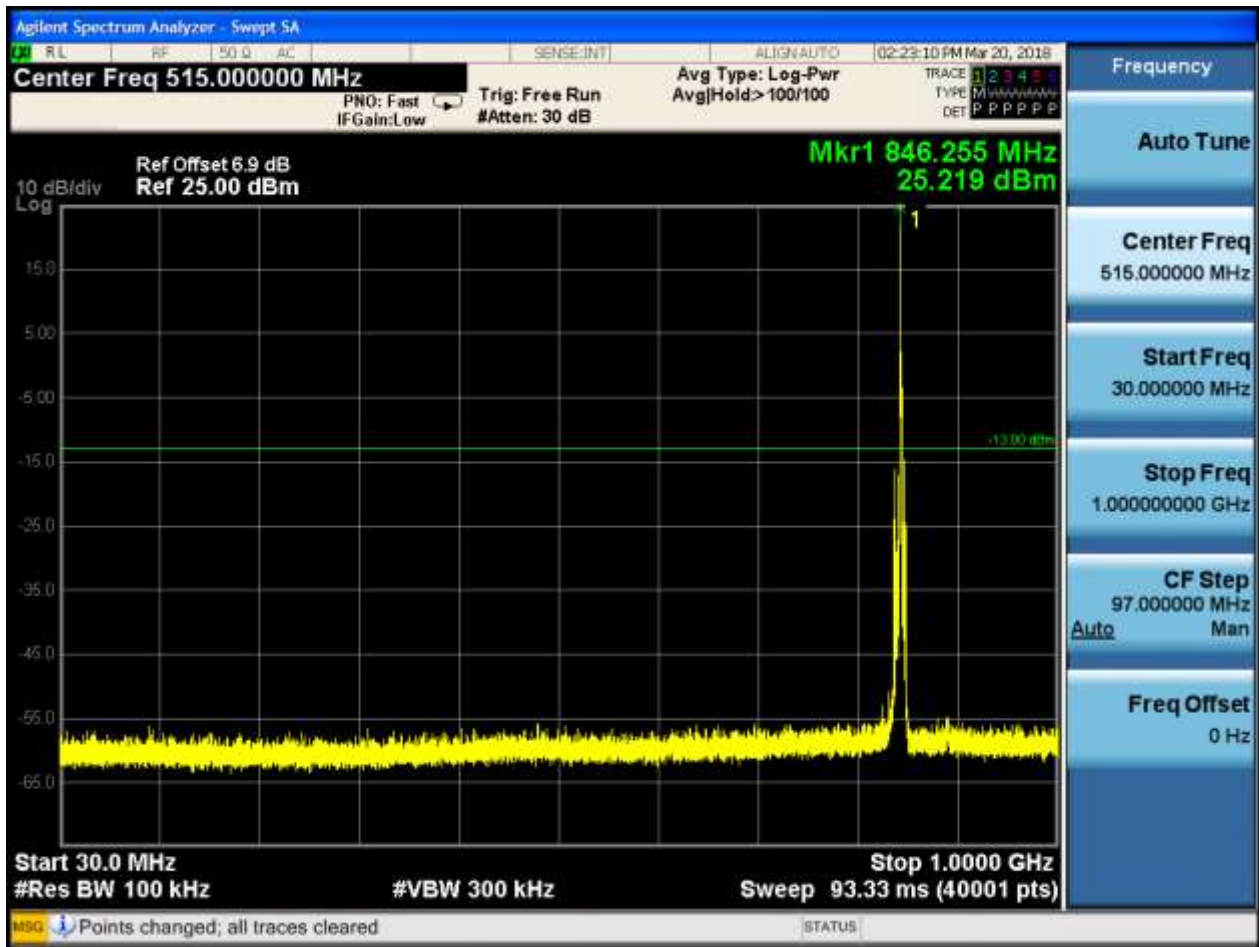


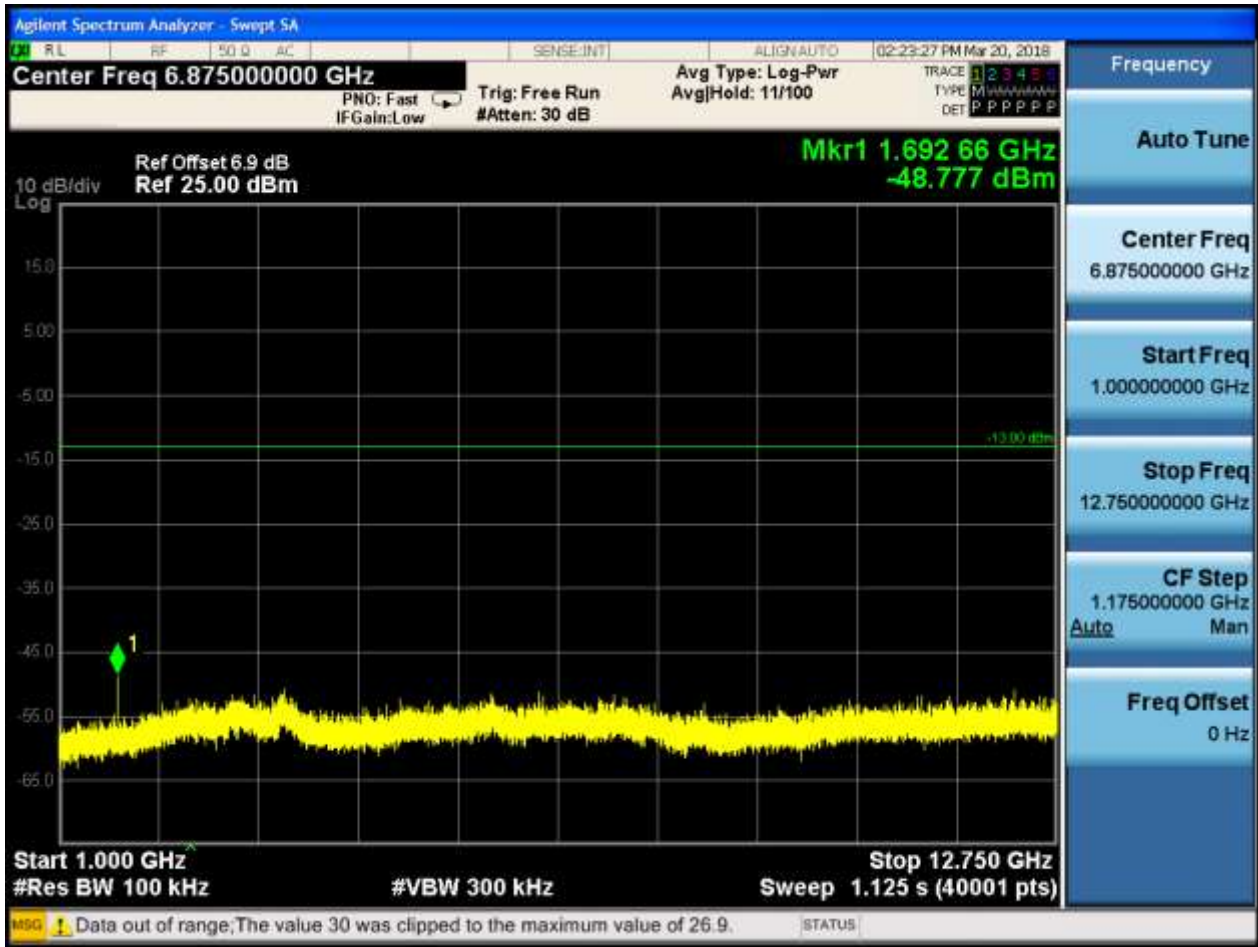


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





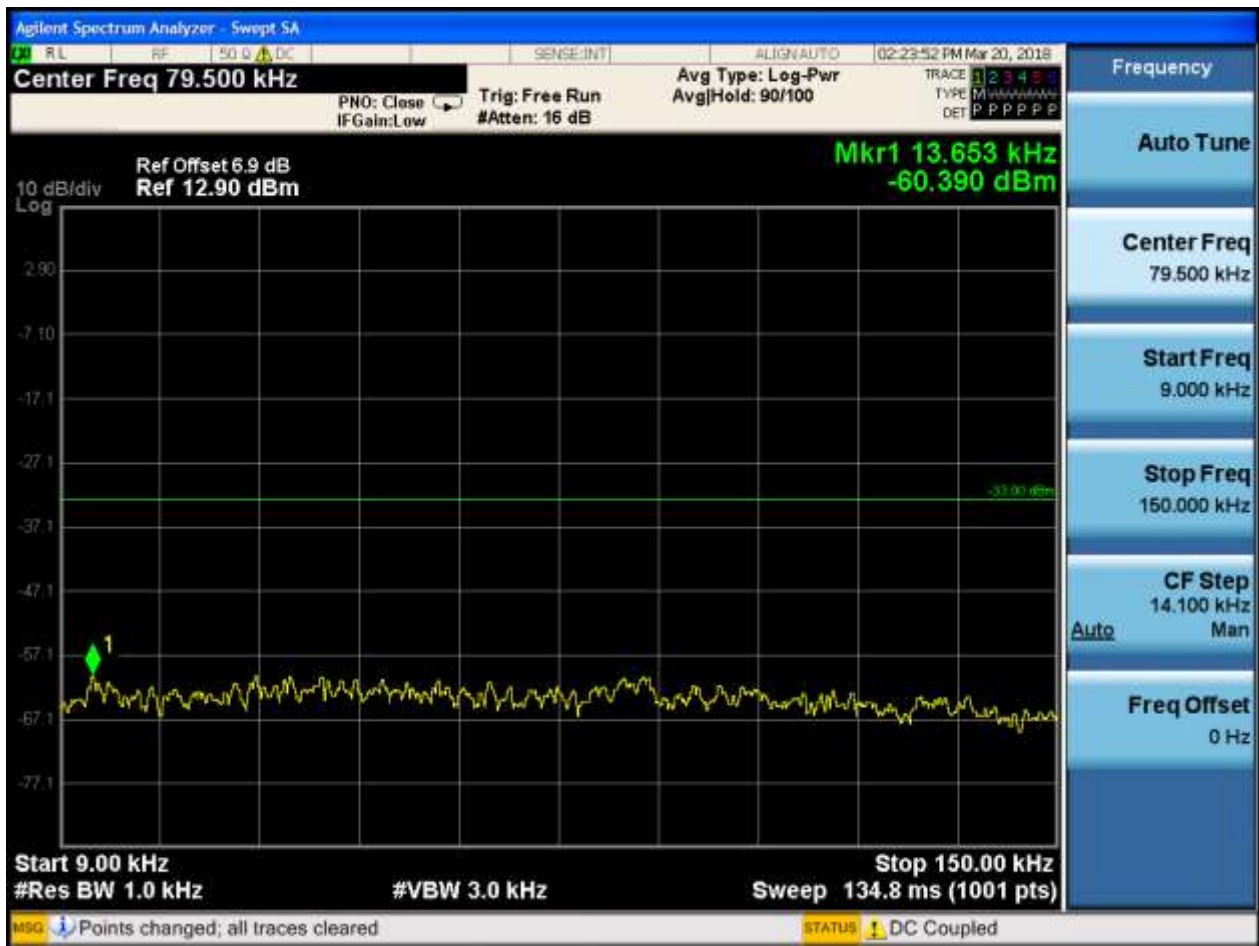


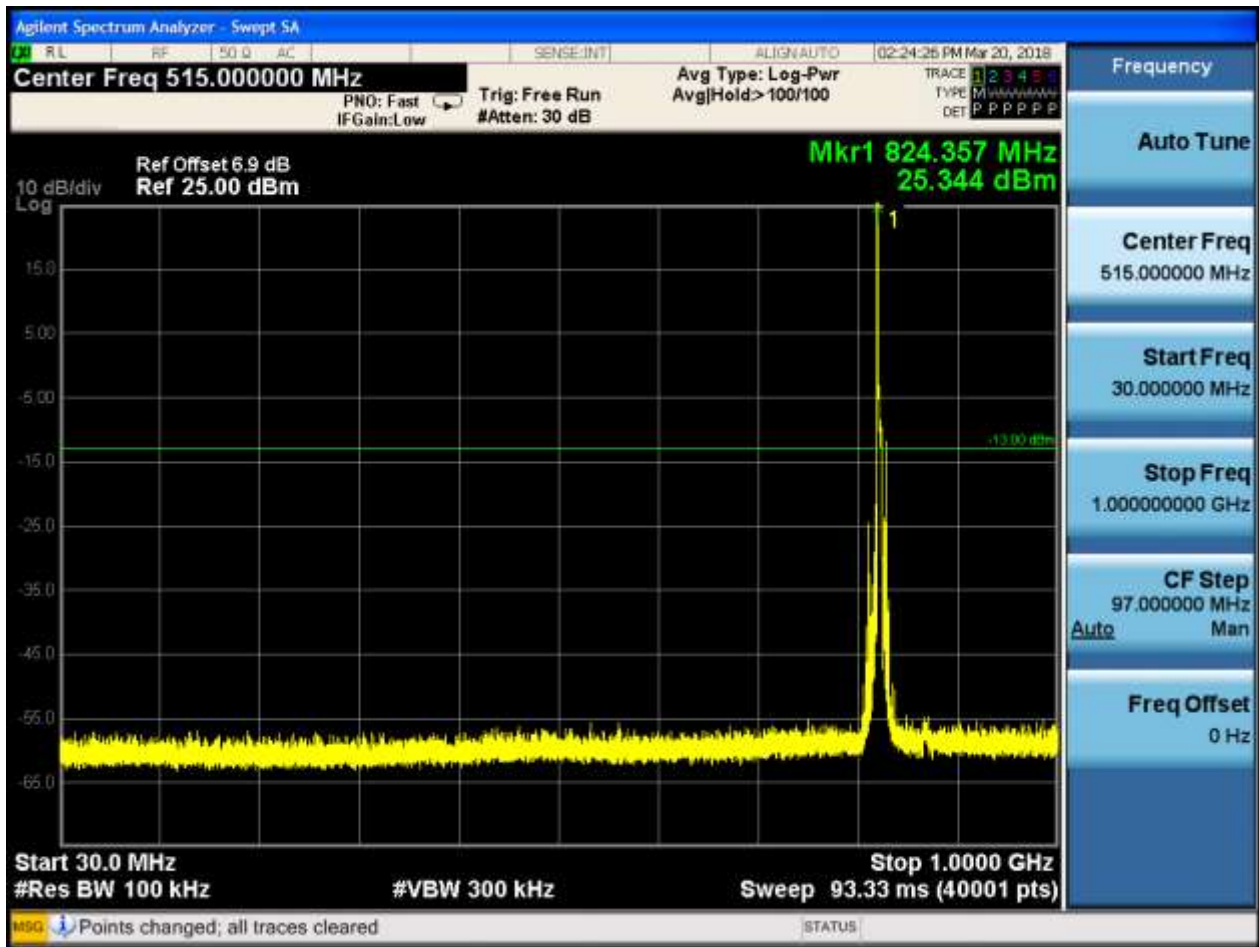


6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



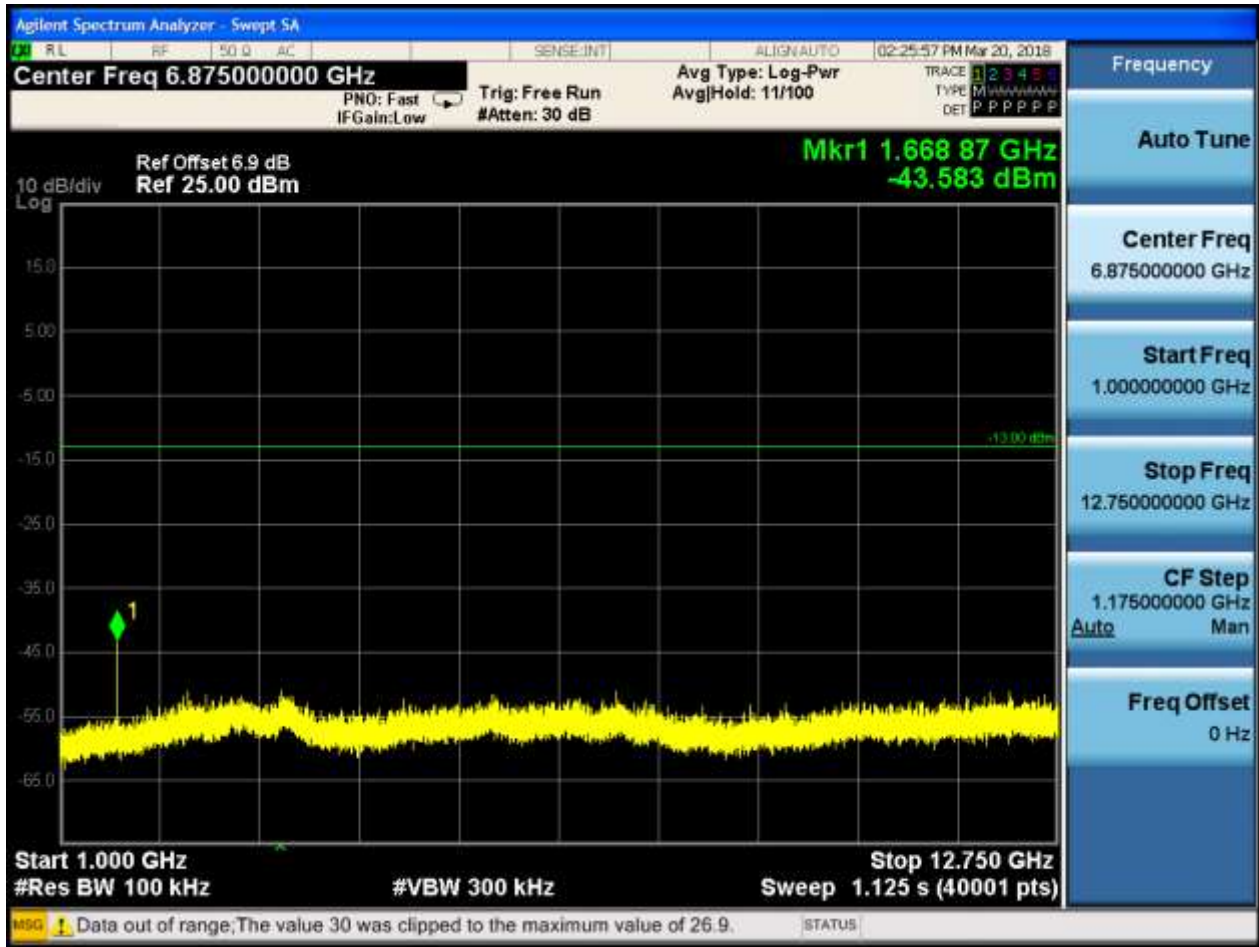




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





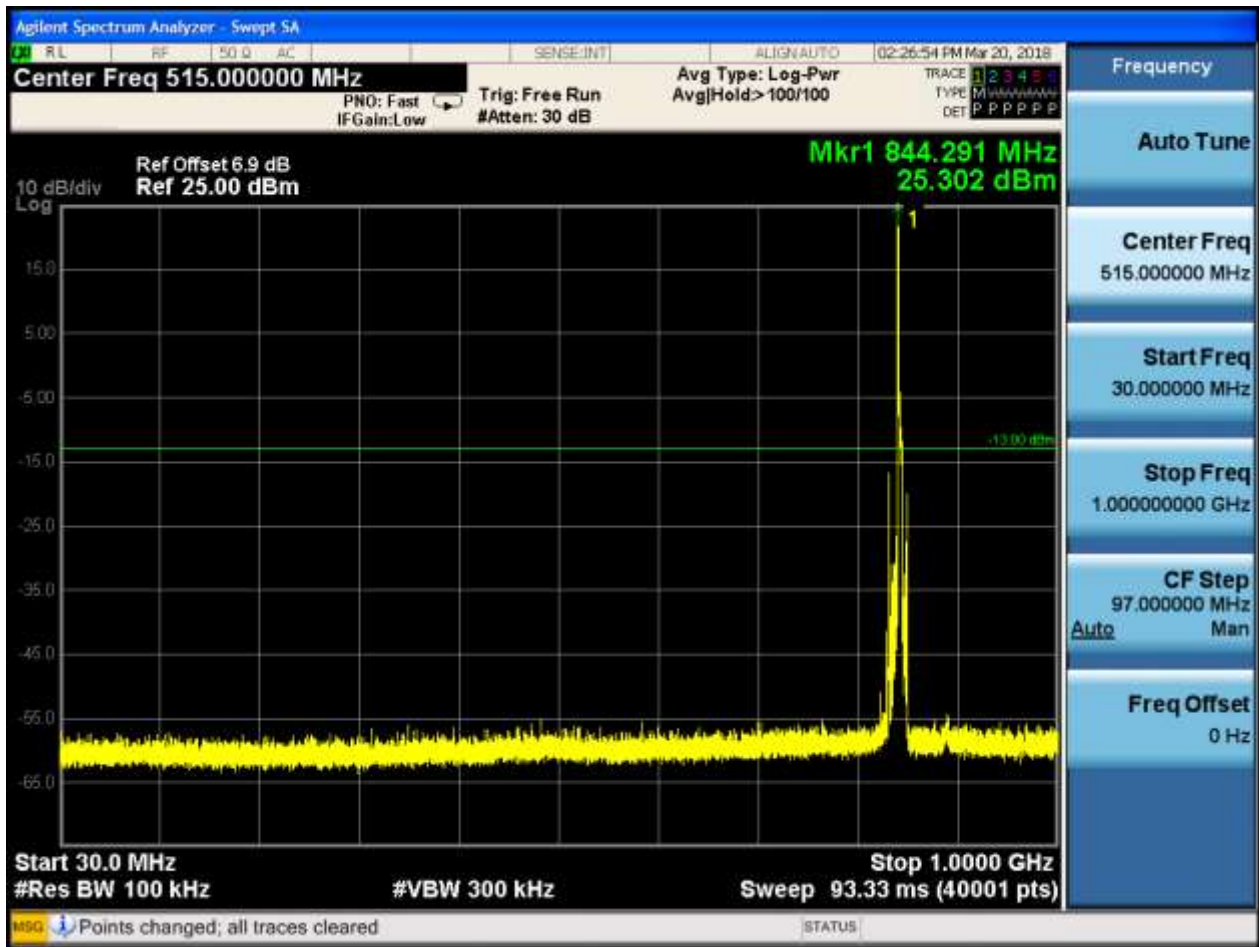


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0









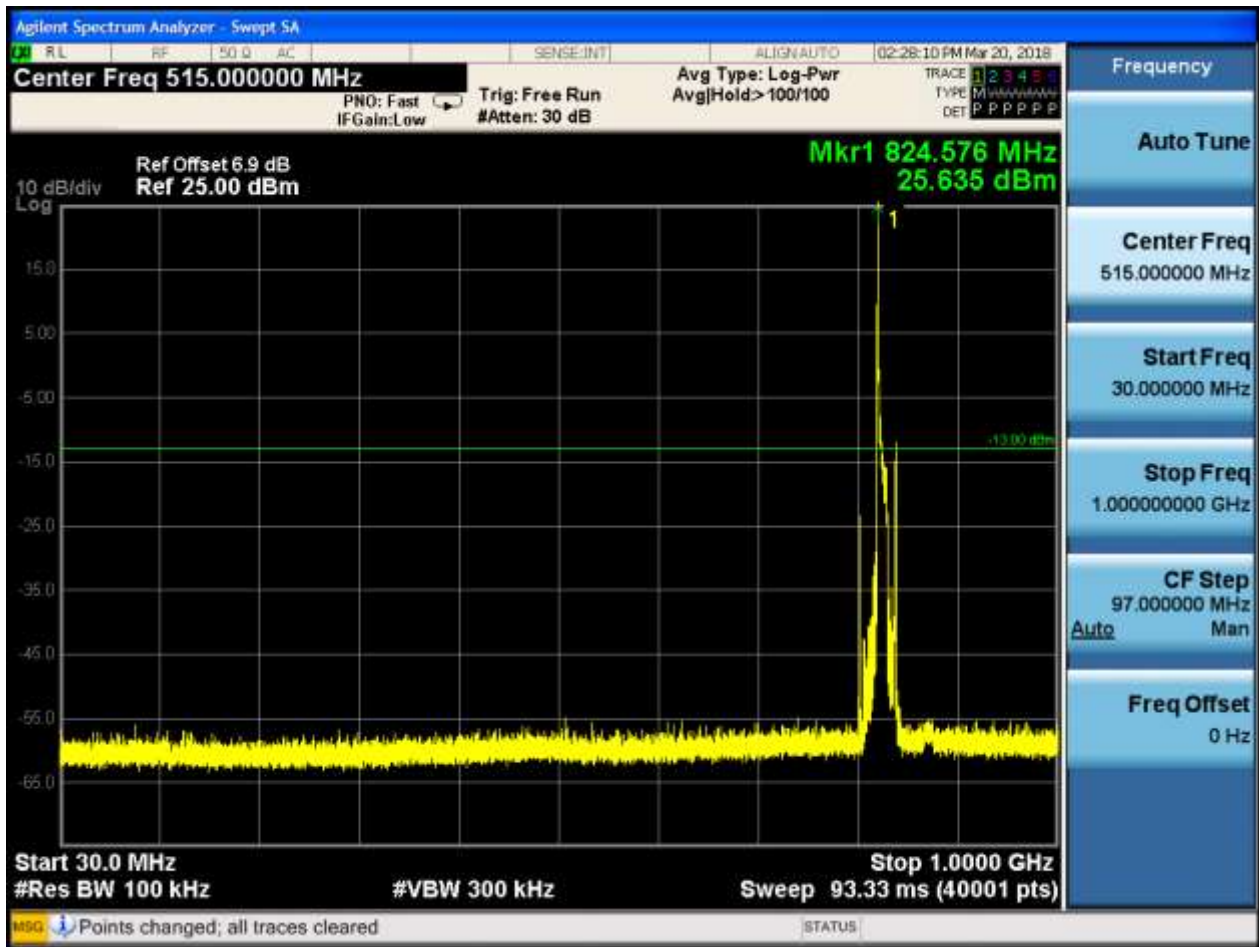
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

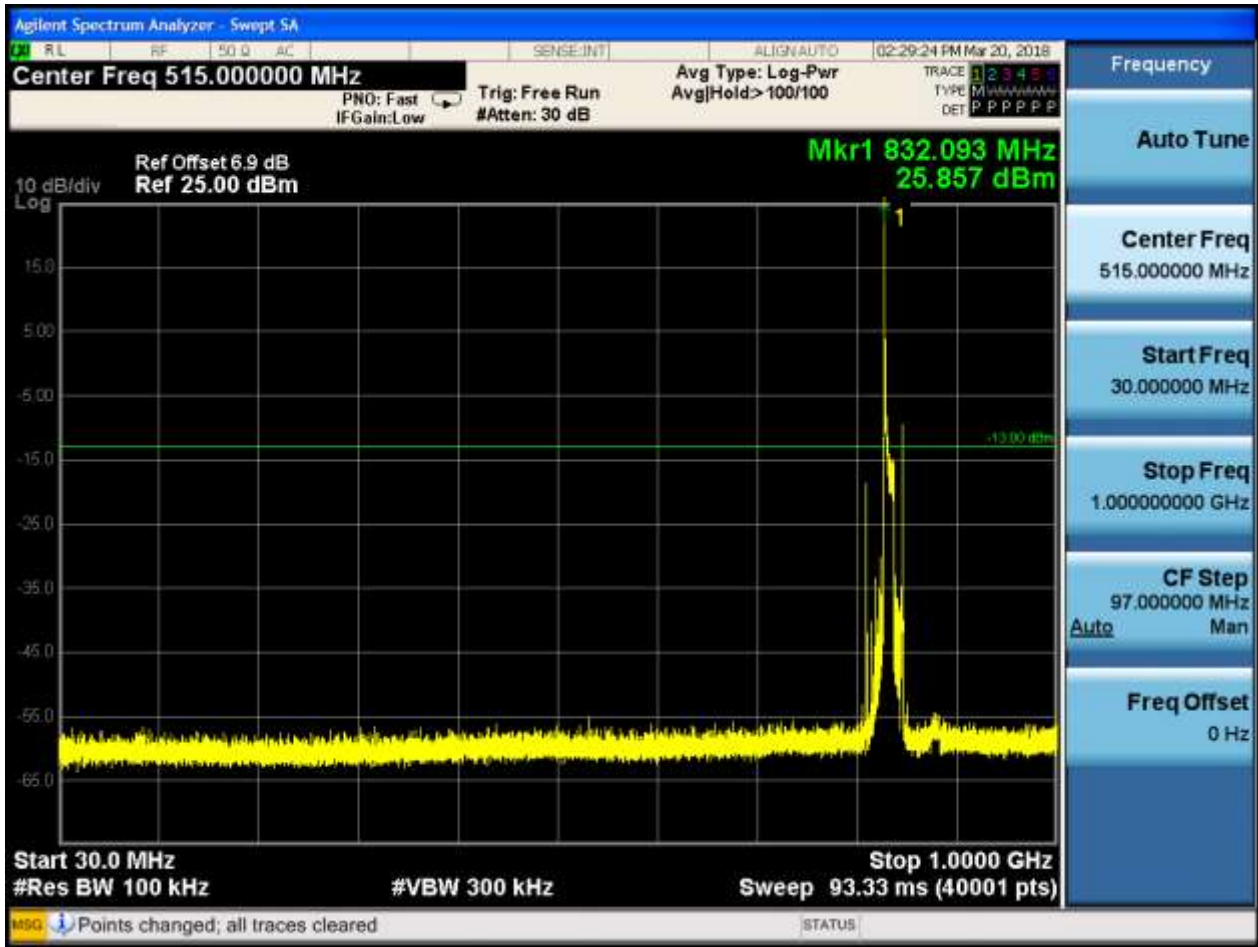
6.1.1.2.4.1.1 Test RB = RB1#0

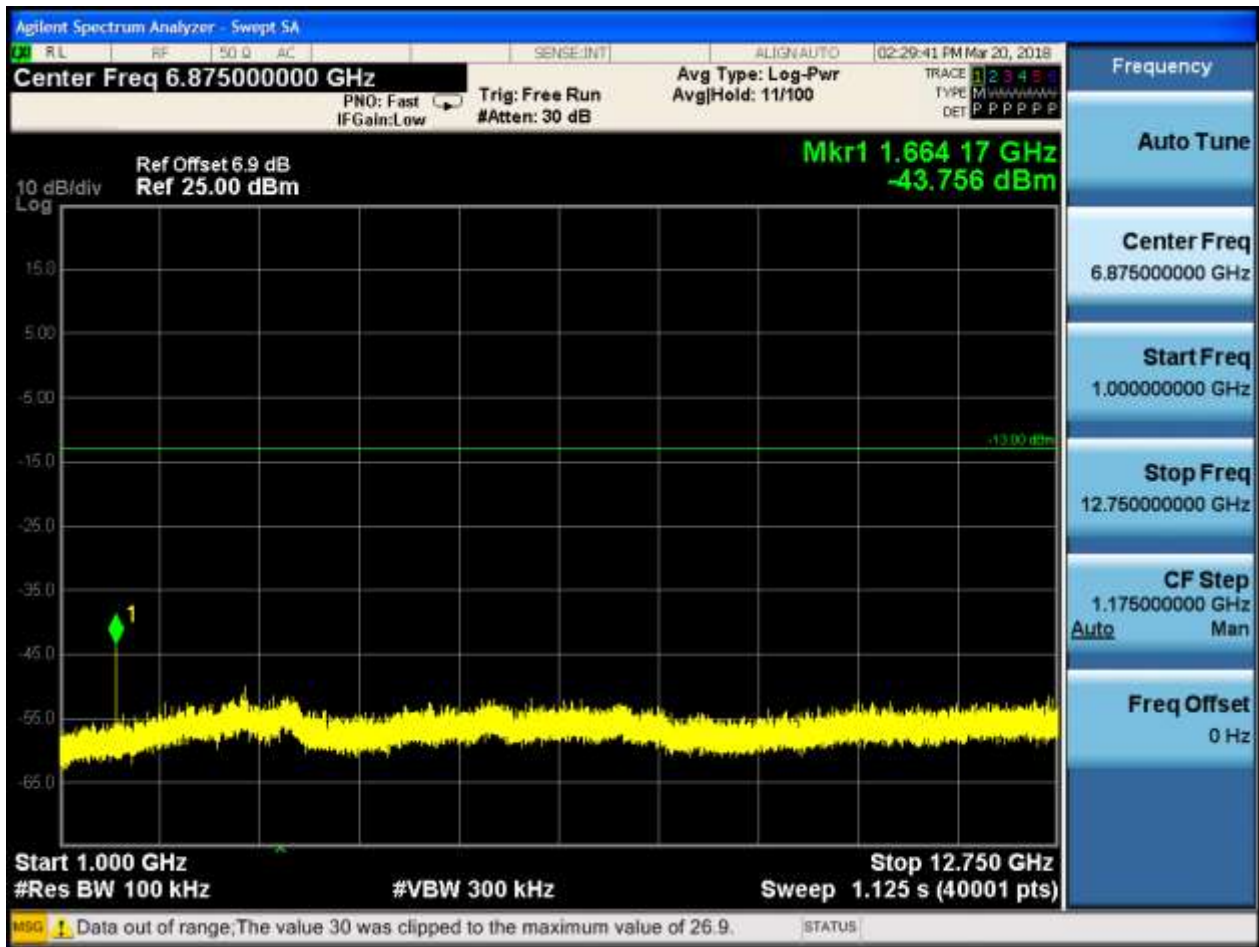












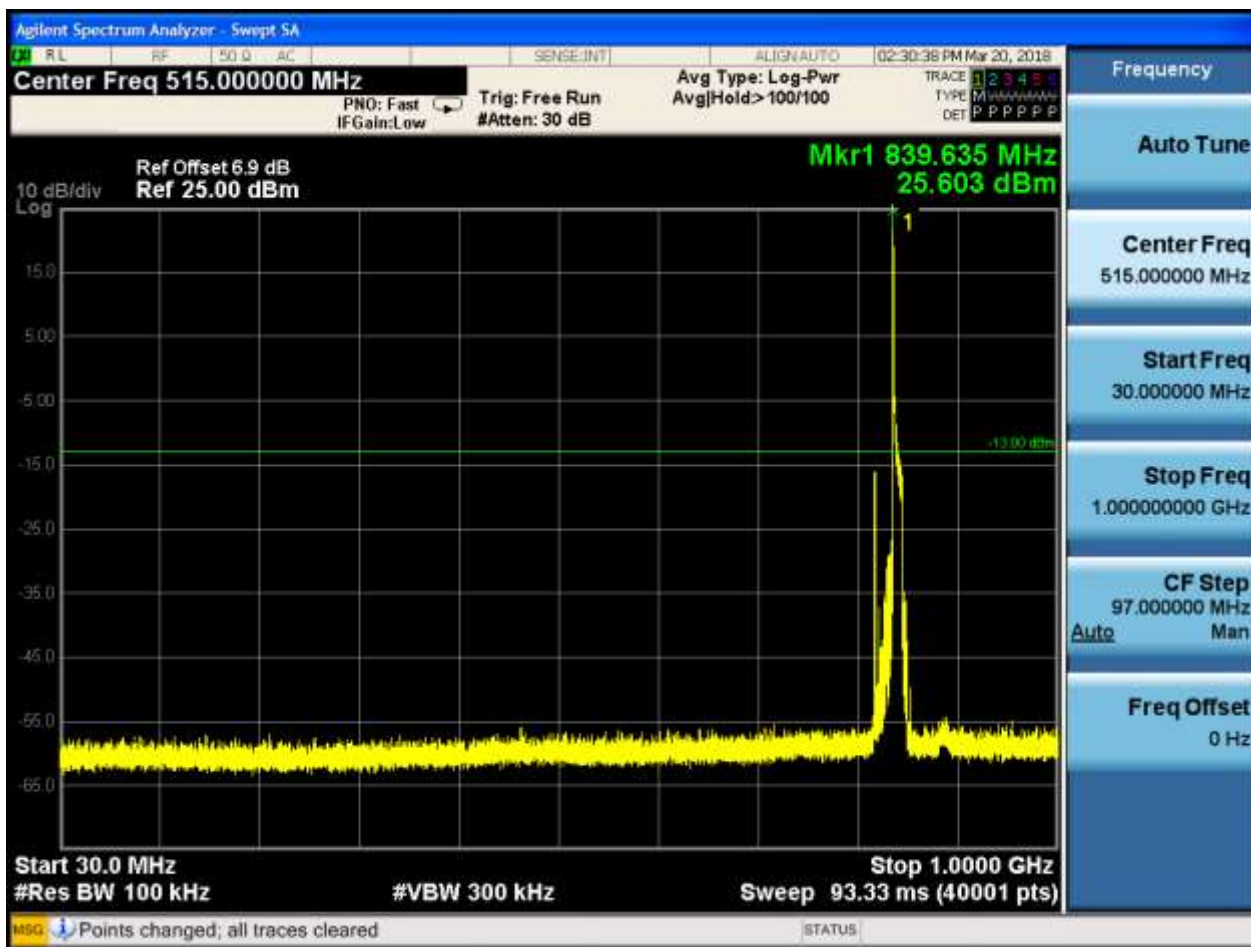


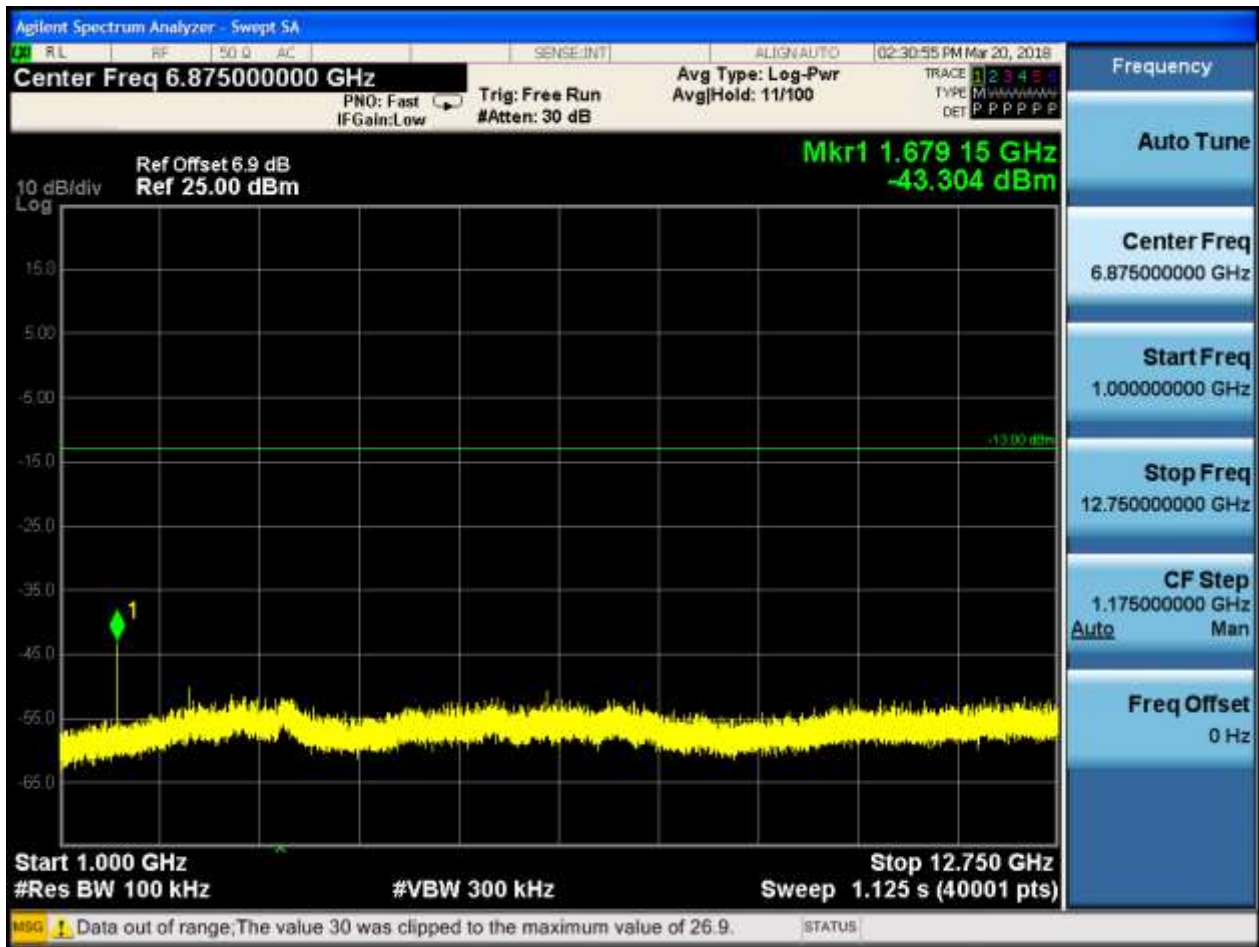
6.1.1.2.4.3 Test Channel = HCH

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

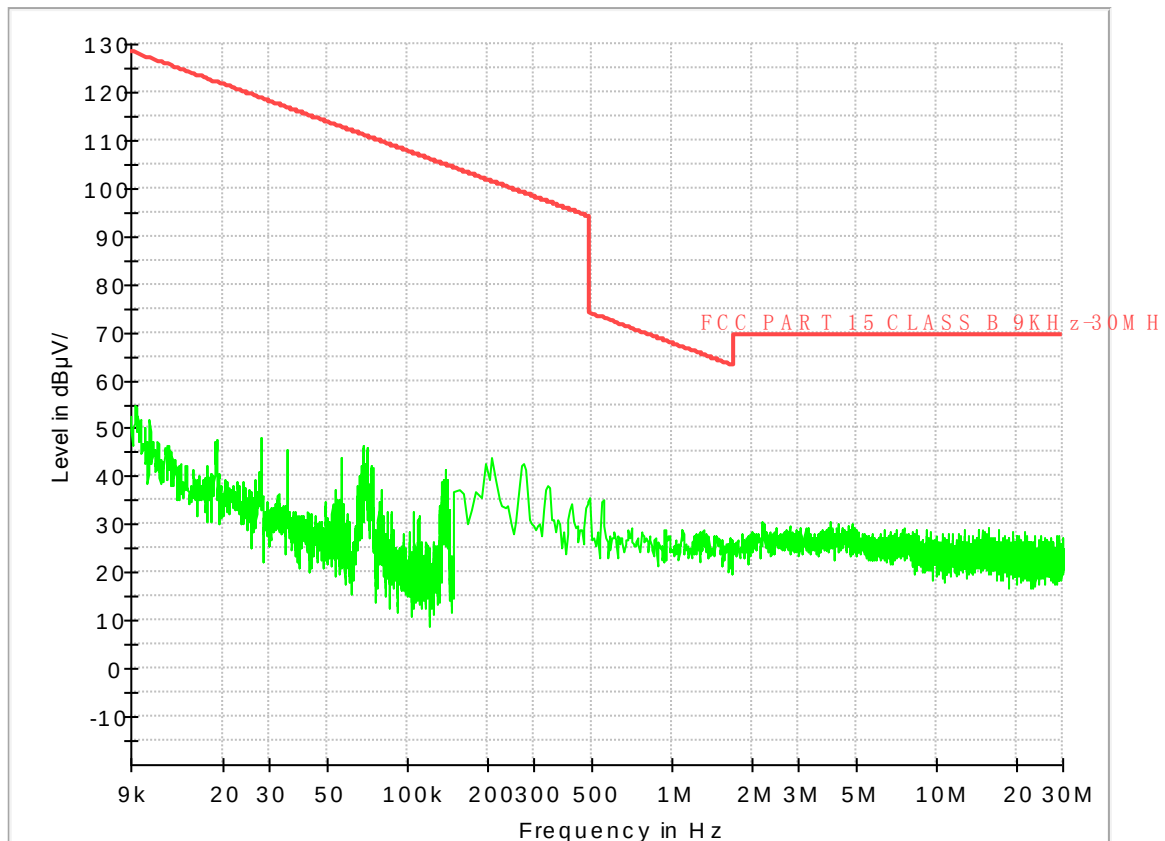
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

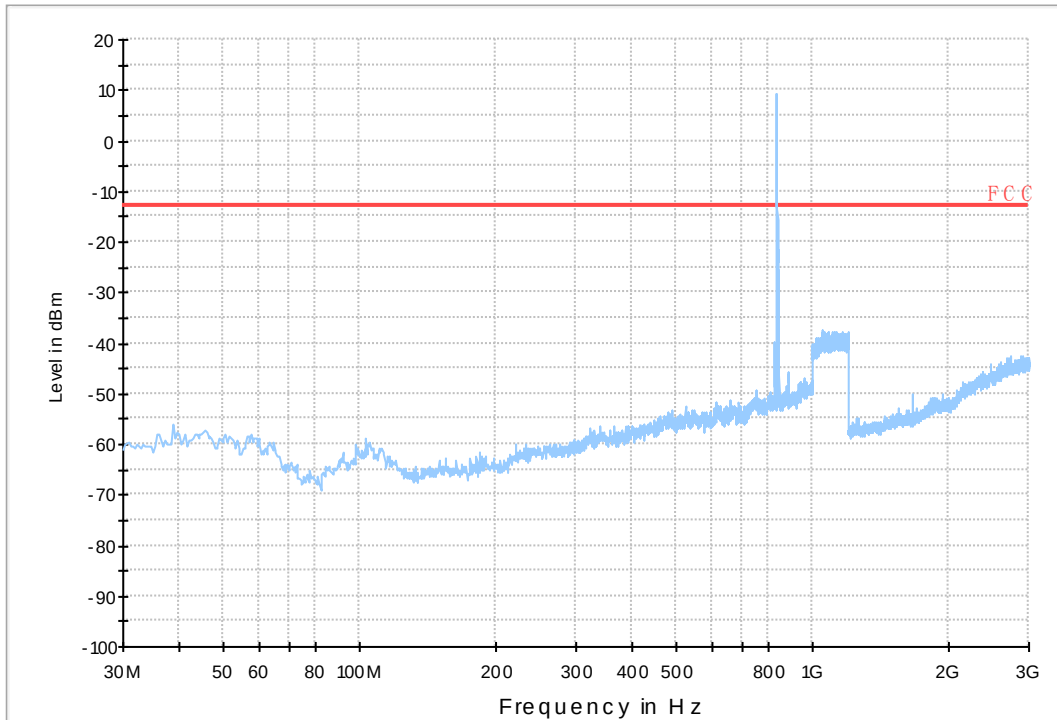
7.1 For LTE

7.1.1 Test Band = BAND5_ANT1

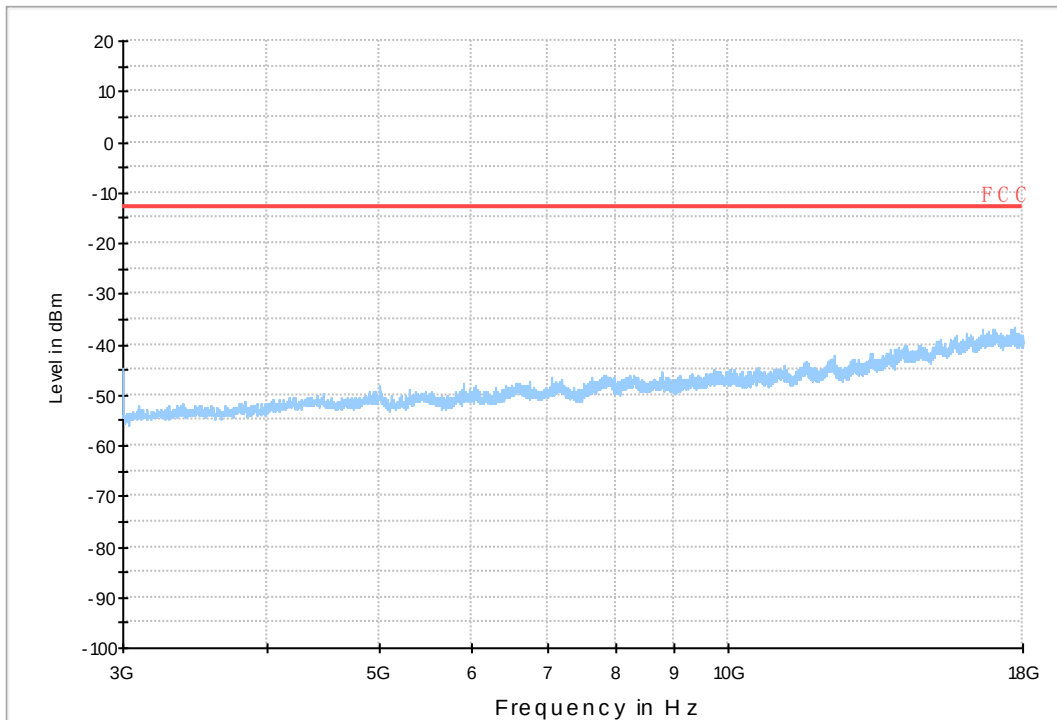
7.1.1.1 Test Bandwidth = 1.4



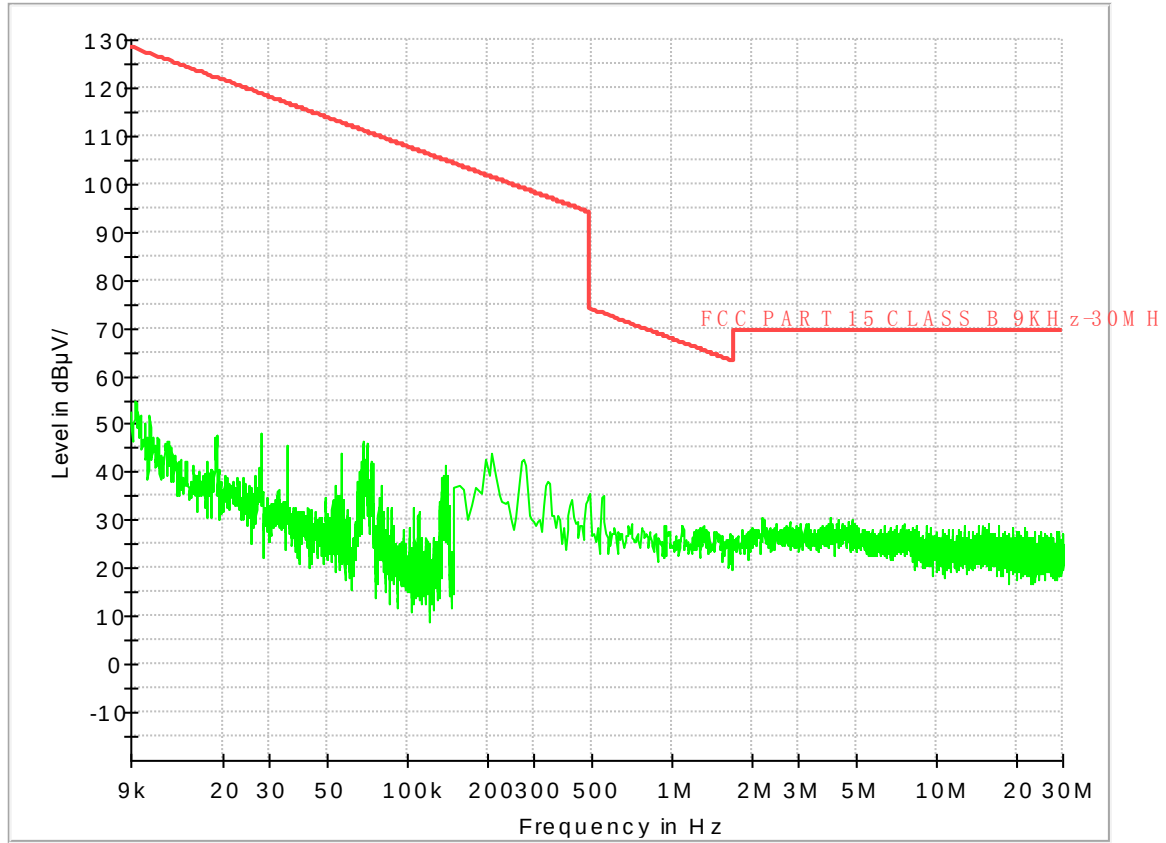
Copy of RSE-TX-DIRECTOR BELOW 1G_L



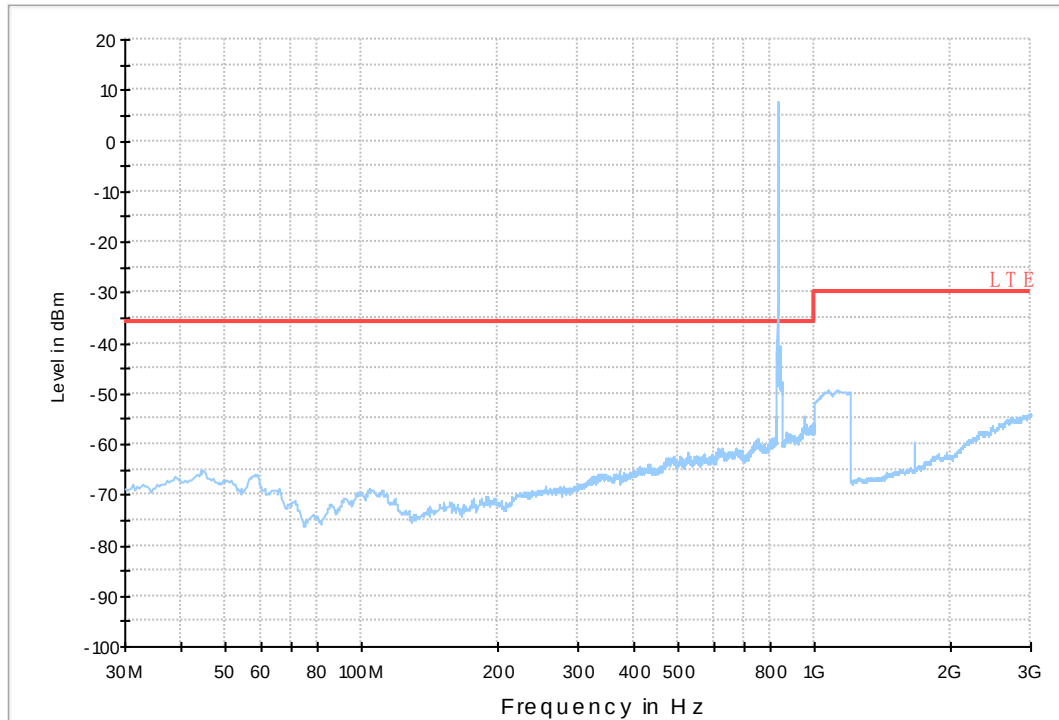
Copy of RSE-TX-DIRECTOR BELOW 1G_H



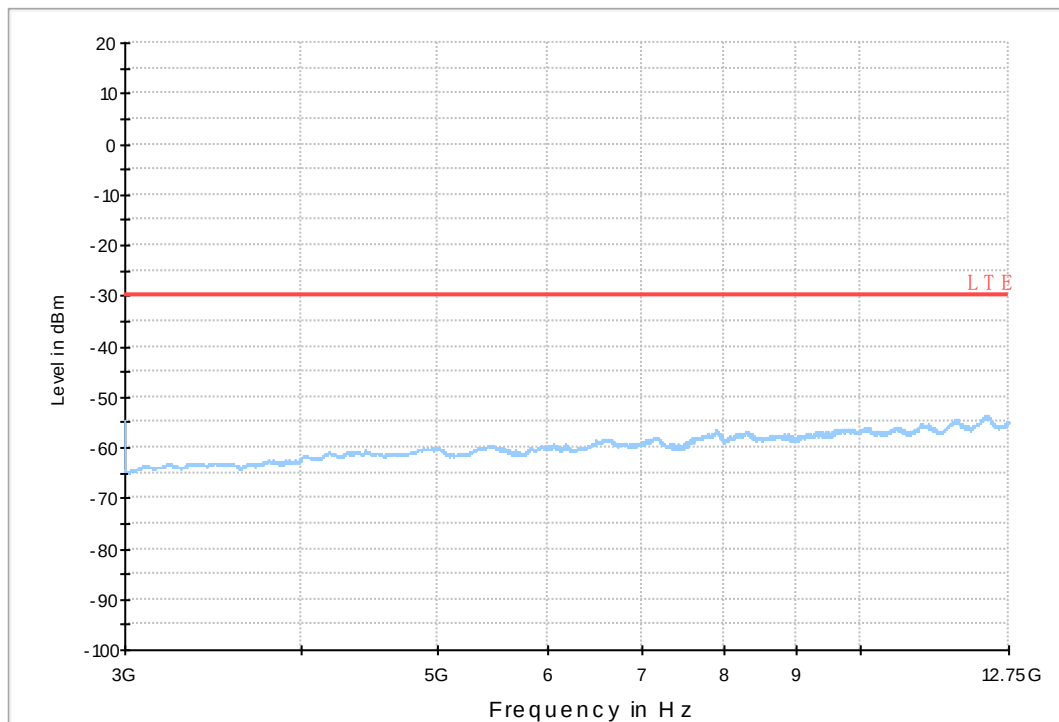
7.1.1.2 Test Bandwidth = 10



RSE-TX-DIRECTOR BELOW 1G_L

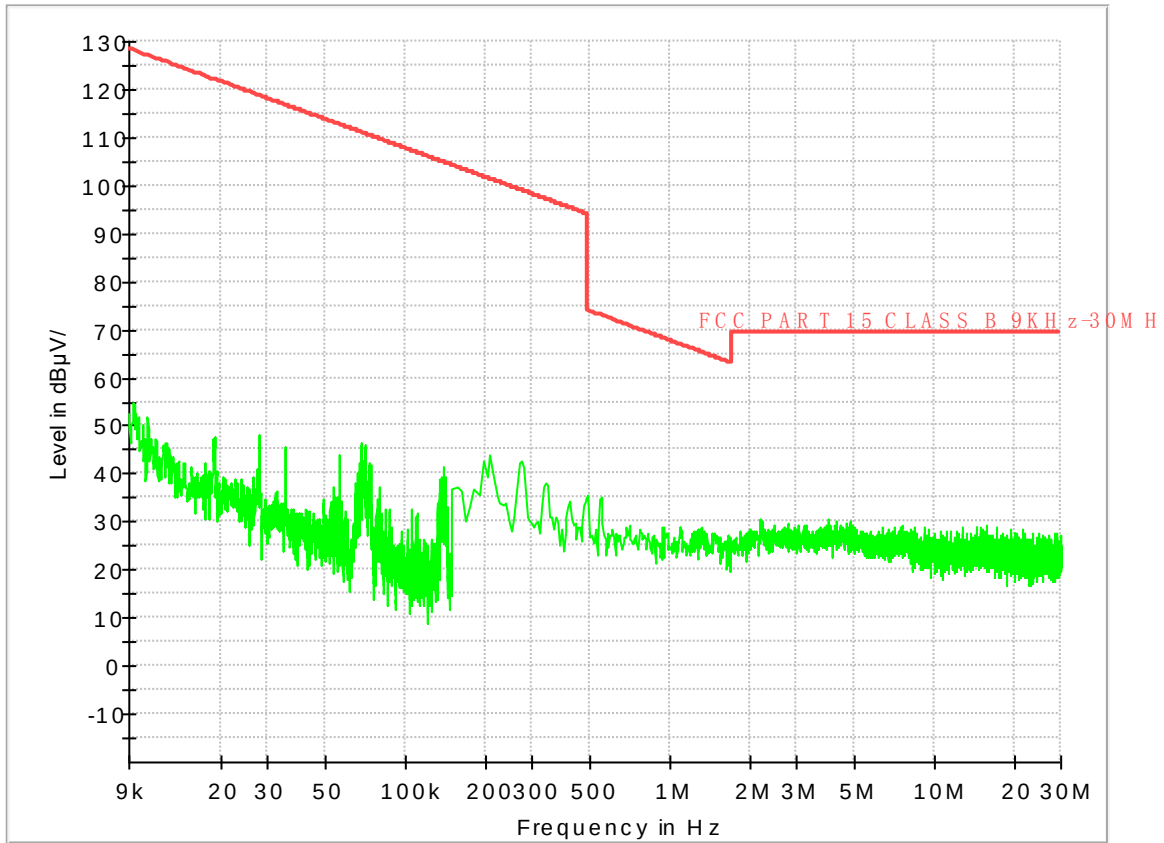


RSE-TX-DIRECTOR BELOW 1G_H

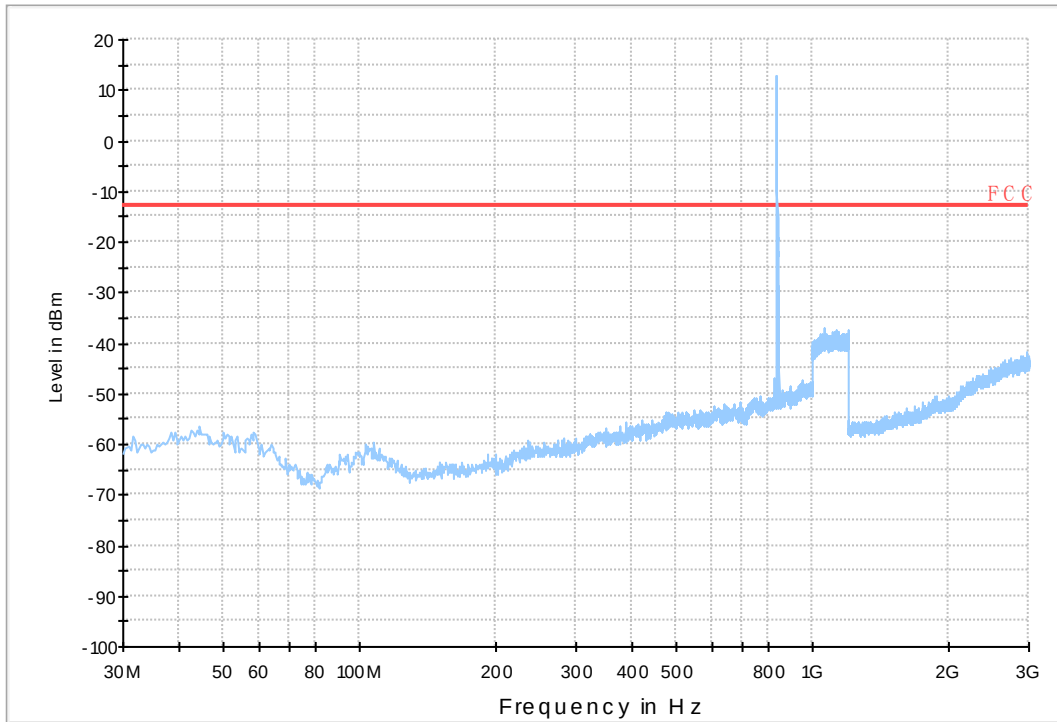


7.1.2 Test Band = BAND5_ANT2

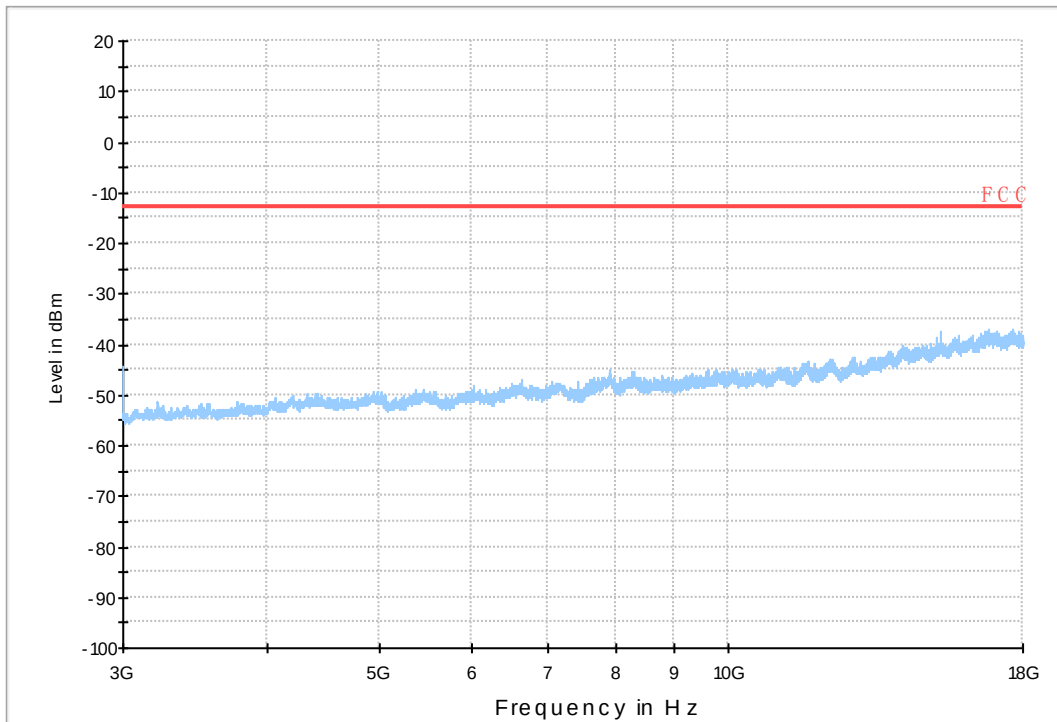
7.1.2.1 Test Bandwidth =1.4



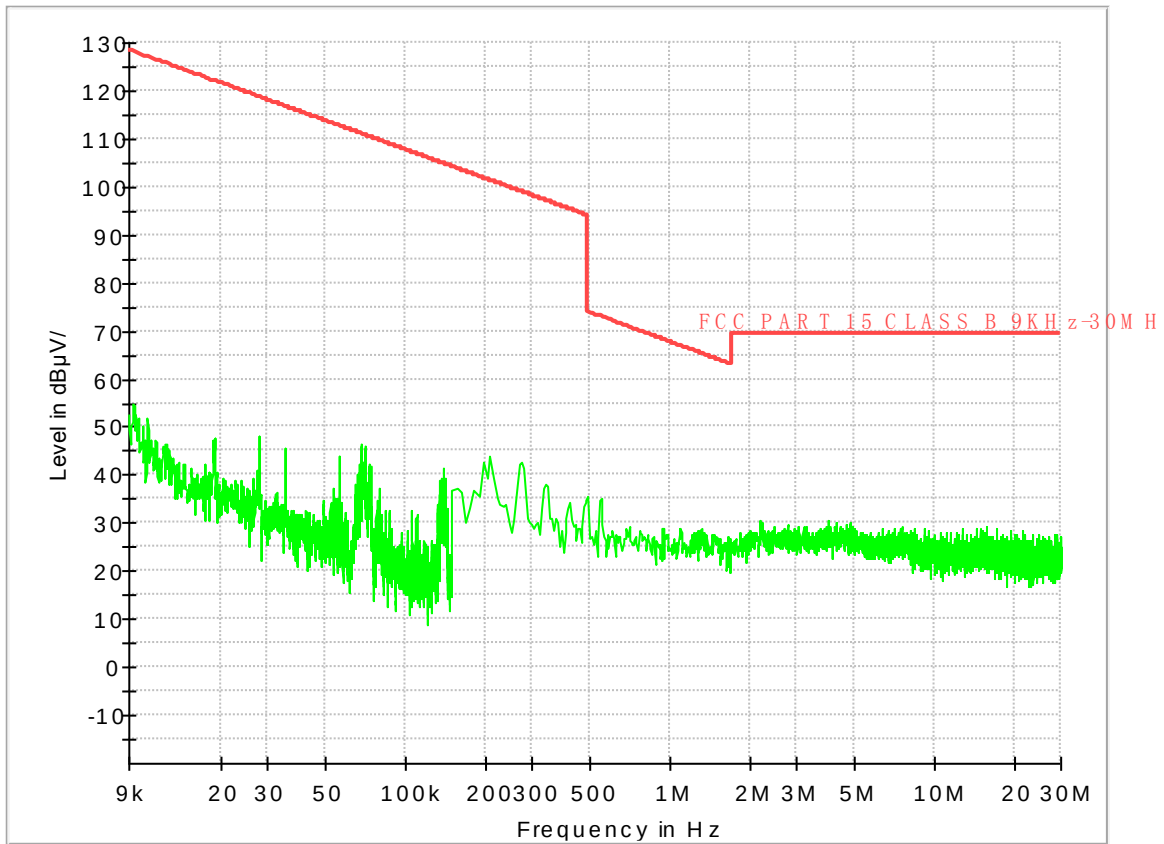
Copy of RSE-TX-DIRECTOR BELOW 1G_L



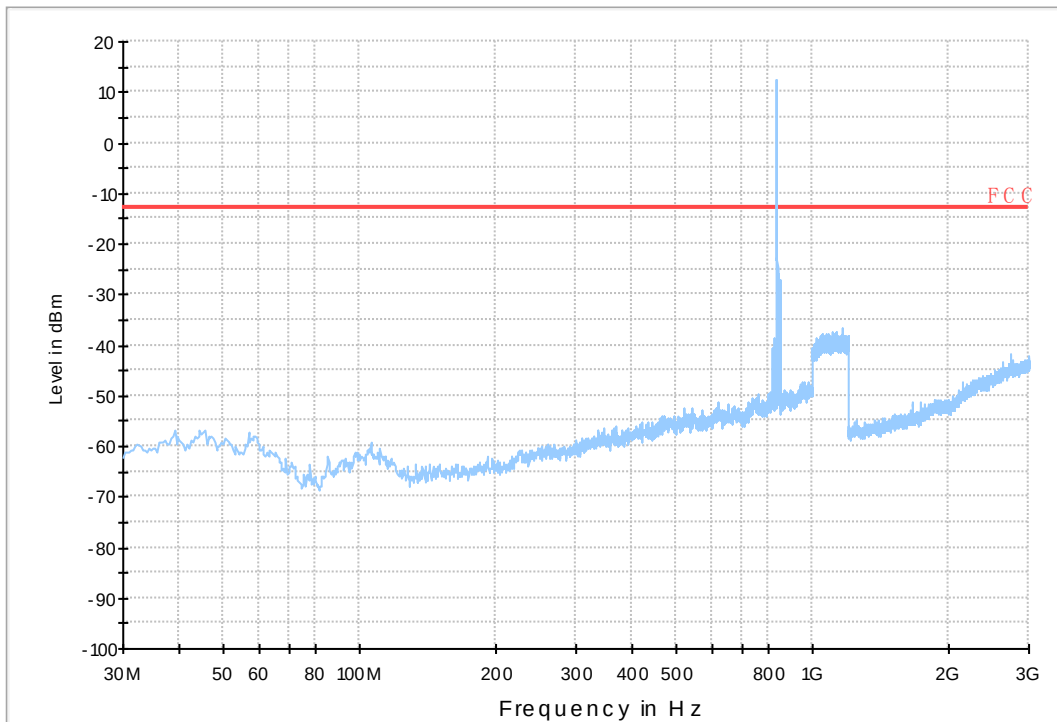
Copy of RSE-TX-DIRECTOR BELOW 1G_H



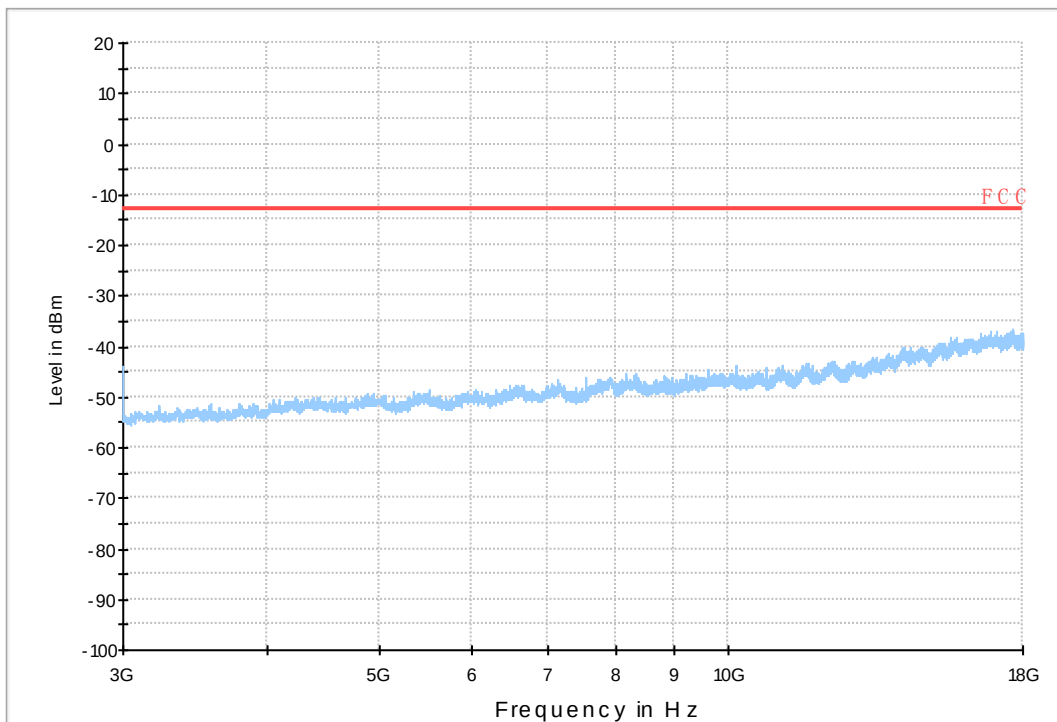
7.1.2.2 Test Bandwidth = 10



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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-0.59	-0.00072	PASS
					VN	-4.94	-0.00599	PASS
					VH	17.78	0.02156	PASS
			MCH	TN	VL	-1.34	-0.0016	PASS
					VN	9.84	0.01176	PASS
					VH	-10.89	-0.01302	PASS
			HCH	TN	VL	5.79	0.00683	PASS
					VN	14.05	0.01656	PASS
					VH	13.18	0.01554	PASS
		3	LCH	TN	VL	1.80	0.00218	PASS
					VN	-0.33	-0.0004	PASS
					VH	-0.23	-0.00028	PASS
			MCH	TN	VL	-2.13	-0.00255	PASS
					VN	-1.66	-0.00198	PASS
					VH	-1.46	-0.00175	PASS
			HCH	TN	VL	-9.23	-0.01089	PASS
					VN	6.77	0.00799	PASS
					VH	-5.16	-0.00609	PASS
		5	LCH	TN	VL	-1.16	-0.0014	PASS
					VN	1.95	0.00236	PASS
					VH	0.33	0.0004	PASS
			MCH	TN	VL	-10.80	-0.01291	PASS
					VN	-11.90	-0.01423	PASS
					VH	-5.61	-0.00671	PASS
			HCH	TN	VL	2.80	0.00331	PASS
					VN	15.66	0.0185	PASS
					VH	1.03	0.00122	PASS
		10	LCH	TN	VL	1.09	0.00132	PASS
					VN	2.86	0.00346	PASS
					VH	1.34	0.00162	PASS
			MCH	TN	VL	3.76	0.00449	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	10.13	0.01211	PASS
					VH	-0.66	-0.00079	PASS
					VL	-3.36	-0.00398	PASS
					VN	-6.31	-0.00748	PASS
					VH	-3.60	-0.00427	PASS
	LTE/TM2	1.4	LCH	TN	VL	1.79	0.00217	PASS
					VN	-12.66	-0.01535	PASS
					VH	9.14	0.01108	PASS
			MCH	TN	VL	-13.72	-0.0164	PASS
					VN	26.32	0.03146	PASS
					VH	-2.76	-0.0033	PASS
			HCH	TN	VL	-19.10	-0.02252	PASS
					VN	16.02	0.01888	PASS
					VH	118.69	0.13992	PASS
		3	LCH	TN	VL	-0.59	-0.00071	PASS
					VN	-3.03	-0.00367	PASS
					VH	0.03	0.00004	PASS
			MCH	TN	VL	-4.85	-0.0058	PASS
					VN	-0.21	-0.00025	PASS
					VH	-4.33	-0.00518	PASS
			HCH	TN	VL	1.37	0.00162	PASS
					VN	-2.96	-0.00349	PASS
					VH	5.87	0.00693	PASS
		5	LCH	TN	VL	-4.72	-0.00571	PASS
					VN	-3.18	-0.00385	PASS
					VH	-0.50	-0.0006	PASS
			MCH	TN	VL	3.60	0.0043	PASS
					VN	9.24	0.01105	PASS
					VH	2.79	0.00334	PASS
			HCH	TN	VL	-3.72	-0.00439	PASS
					VN	-3.92	-0.00463	PASS
					VH	1.13	0.00133	PASS
		10	LCH	TN	VL	-7.20	-0.00869	PASS
					VN	1.75	0.00211	PASS
					VH	-3.69	-0.00445	PASS
			MCH	TN	VL	23.40	0.02797	PASS
					VN	8.90	0.01064	PASS
					VH	24.48	0.02926	PASS
			HCH	TN	VL	-1.52	-0.0018	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.54	-0.00064	PASS
					VH	1.19	0.00141	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND5	-30	LTE/TM1	1.4	LCH	VN	19.73	0.02392	PASS
				MCH	VN	5.32	0.00636	PASS
				HCH	VN	0.86	0.00101	PASS
			3	LCH	VN	-3.63	-0.0044	PASS
				MCH	VN	-0.27	-0.00032	PASS
				HCH	VN	0.64	0.00076	PASS
			5	LCH	VN	1.42	0.00172	PASS
				MCH	VN	1.04	0.00124	PASS
				HCH	VN	2.10	0.00248	PASS
			10	LCH	VN	-1.60	-0.00193	PASS
				MCH	VN	0.62	0.00074	PASS
				HCH	VN	-0.94	-0.00111	PASS
		LTE/TM2	1.4	LCH	VN	6.81	0.00826	PASS
				MCH	VN	-10.14	-0.01212	PASS
				HCH	VN	9.13	0.01076	PASS
			3	LCH	VN	-0.77	-0.00093	PASS
				MCH	VN	3.13	0.00374	PASS
				HCH	VN	0.37	0.00044	PASS
			5	LCH	VN	-0.24	-0.00029	PASS
				MCH	VN	-8.73	-0.01044	PASS
				HCH	VN	2.17	0.00256	PASS
			10	LCH	VN	0.09	0.00011	PASS
				MCH	VN	-9.63	-0.01151	PASS
				HCH	VN	-3.38	-0.004	PASS
	-20	LTE/TM1	1.4	LCH	VN	18.98	0.02301	PASS
				MCH	VN	2.46	0.00294	PASS
				HCH	VN	-74.97	-0.08838	PASS
			3	LCH	VN	-10.36	-0.01255	PASS
				MCH	VN	4.61	0.00551	PASS
				HCH	VN	3.81	0.0045	PASS
			5	LCH	VN	4.89	0.00592	PASS
				MCH	VN	1.66	0.00198	PASS

			10	HCH	VN	1.23	0.00145	PASS
				LCH	VN	1.33	0.0016	PASS
				MCH	VN	-1.32	-0.00158	PASS
				HCH	VN	0.27	0.00032	PASS
		LTE/TM2	1.4	LCH	VN	-30.36	-0.03681	PASS
				MCH	VN	0.50	0.0006	PASS
				HCH	VN	-14.35	-0.01692	PASS
			3	LCH	VN	1.67	0.00202	PASS
				MCH	VN	4.62	0.00552	PASS
				HCH	VN	14.09	0.01663	PASS
			5	LCH	VN	0.24	0.00029	PASS
				MCH	VN	10.77	0.01288	PASS
				HCH	VN	-1.42	-0.00168	PASS
			10	LCH	VN	-9.17	-0.01106	PASS
				MCH	VN	7.15	0.00855	PASS
				HCH	VN	-4.35	-0.00515	PASS
	-10	LTE/TM1	1.4	LCH	VN	13.05	0.01582	PASS
				MCH	VN	38.47	0.04599	PASS
				HCH	VN	46.21	0.05447	PASS
			3	LCH	VN	-3.82	-0.00463	PASS
				MCH	VN	1.76	0.0021	PASS
				HCH	VN	-1.79	-0.00211	PASS
			5	LCH	VN	-2.75	-0.00333	PASS
				MCH	VN	11.10	0.01327	PASS
				HCH	VN	1.54	0.00182	PASS
			10	LCH	VN	7.22	0.00871	PASS
				MCH	VN	1.90	0.00227	PASS
				HCH	VN	-1.73	-0.00205	PASS
		LTE/TM2	1.4	LCH	VN	-16.19	-0.01963	PASS
				MCH	VN	-0.13	-0.00016	PASS
				HCH	VN	-7.48	-0.00882	PASS
			3	LCH	VN	-5.59	-0.00677	PASS
				MCH	VN	2.42	0.00289	PASS
				HCH	VN	-3.69	-0.00435	PASS
			5	LCH	VN	0.87	0.00105	PASS
				MCH	VN	9.24	0.01105	PASS
				HCH	VN	0.14	0.00017	PASS
			10	LCH	VN	-3.83	-0.00462	PASS
				MCH	VN	5.08	0.00607	PASS
				HCH	VN	-4.06	-0.00481	PASS
	0	LTE/TM1	1.4	LCH	VN	14.00	0.01698	PASS
				MCH	VN	-4.11	-0.00491	PASS
				HCH	VN	11.37	0.0134	PASS

			3	LCH	VN	-1.73	-0.0021	PASS
				MCH	VN	-0.72	-0.00086	PASS
				HCH	VN	-0.53	-0.00063	PASS
			5	LCH	VN	6.94	0.0084	PASS
				MCH	VN	5.99	0.00716	PASS
				HCH	VN	-2.06	-0.00243	PASS
			10	LCH	VN	-4.59	-0.00554	PASS
				MCH	VN	5.48	0.00655	PASS
				HCH	VN	-2.56	-0.00303	PASS
		LTE/TM2	1.4	LCH	VN	14.02	0.017	PASS
				MCH	VN	42.19	0.05044	PASS
				HCH	VN	-4.73	-0.00558	PASS
			3	LCH	VN	-5.31	-0.00643	PASS
				MCH	VN	-7.11	-0.0085	PASS
				HCH	VN	2.95	0.00348	PASS
			5	LCH	VN	4.09	0.00495	PASS
				MCH	VN	2.63	0.00314	PASS
				HCH	VN	1.50	0.00177	PASS
			10	LCH	VN	5.12	0.00618	PASS
				MCH	VN	1.63	0.00195	PASS
				HCH	VN	-4.02	-0.00476	PASS
	10	LTE/TM1	1.4	LCH	VN	-18.45	-0.02237	PASS
				MCH	VN	-5.01	-0.00599	PASS
				HCH	VN	4.94	0.00582	PASS
			3	LCH	VN	1.75	0.00212	PASS
				MCH	VN	0.82	0.00098	PASS
				HCH	VN	3.22	0.0038	PASS
			5	LCH	VN	2.92	0.00353	PASS
				MCH	VN	-1.89	-0.00226	PASS
				HCH	VN	2.49	0.00294	PASS
			10	LCH	VN	9.76	0.01177	PASS
				MCH	VN	-4.35	-0.0052	PASS
				HCH	VN	-1.06	-0.00126	PASS
		LTE/TM2	1.4	LCH	VN	-8.34	-0.01011	PASS
				MCH	VN	-2.99	-0.00357	PASS
				HCH	VN	3.12	0.00368	PASS
			3	LCH	VN	-4.35	-0.00527	PASS
				MCH	VN	-4.86	-0.00581	PASS
				HCH	VN	-3.18	-0.00375	PASS
			5	LCH	VN	0.19	0.00023	PASS
				MCH	VN	333.34	0.39849	PASS
				HCH	VN	-0.33	-0.00039	PASS
			10	LCH	VN	6.54	0.00789	PASS

	20	LTE/TM1	1.4	MCH	VN	1.60	0.00191	PASS
				HCH	VN	-1.63	-0.00193	PASS
			1.4	LCH	VN	-2.15	-0.00261	PASS
				MCH	VN	-17.61	-0.02105	PASS
			3	HCH	VN	2.25	0.00265	PASS
				LCH	VN	-1.60	-0.00194	PASS
			3	MCH	VN	0.53	0.00063	PASS
				HCH	VN	-2.49	-0.00294	PASS
			5	LCH	VN	0.64	0.00077	PASS
				MCH	VN	22.63	0.02705	PASS
			5	HCH	VN	1.96	0.00232	PASS
				LCH	VN	-2.57	-0.0031	PASS
			10	MCH	VN	-0.03	-0.00004	PASS
				HCH	VN	-2.53	-0.003	PASS
		LTE/TM2	1.4	LCH	VN	7.80	0.00946	PASS
				MCH	VN	12.04	0.01439	PASS
			3	HCH	VN	31.46	0.03709	PASS
				LCH	VN	0.94	0.00114	PASS
			3	MCH	VN	-5.05	-0.00604	PASS
				HCH	VN	-0.43	-0.00051	PASS
			5	LCH	VN	1.90	0.0023	PASS
				MCH	VN	29.41	0.03516	PASS
			5	HCH	VN	-0.37	-0.00044	PASS
				LCH	VN	-0.89	-0.00107	PASS
			10	MCH	VN	-0.06	-0.00007	PASS
				HCH	VN	-3.40	-0.00403	PASS
	30	LTE/TM1	1.4	LCH	VN	-4.92	-0.00597	PASS
				MCH	VN	-6.62	-0.00791	PASS
			1.4	HCH	VN	9.68	0.01141	PASS
				LCH	VN	2.72	0.00329	PASS
			3	MCH	VN	1.30	0.00155	PASS
				HCH	VN	-0.51	-0.0006	PASS
			3	LCH	VN	0.44	0.00053	PASS
				MCH	VN	6.52	0.00779	PASS
			5	HCH	VN	-3.22	-0.0038	PASS
				LCH	VN	-3.49	-0.00421	PASS
			10	MCH	VN	2.73	0.00326	PASS
				HCH	VN	-7.93	-0.0094	PASS
		LTE/TM2	1.4	LCH	VN	-2.68	-0.00325	PASS
				MCH	VN	12.52	0.01497	PASS
			1.4	HCH	VN	-3.36	-0.00396	PASS
				LCH	VN	8.20	0.00993	PASS
			3	MCH	VN	-0.40	-0.00048	PASS
				HCH	VN	-0.40	-0.00048	PASS

			5	HCH	VN	-1.04	-0.00123	PASS
				LCH	VN	1.27	0.00154	PASS
				MCH	VN	9.81	0.01173	PASS
			10	HCH	VN	-0.16	-0.00019	PASS
				LCH	VN	-6.24	-0.00753	PASS
				MCH	VN	8.34	0.00997	PASS
				HCH	VN	2.68	0.00318	PASS
				LCH	VN	6.52	0.00791	PASS
				MCH	VN	7.32	0.00875	PASS
	40	LTE/TM1	1.4	HCH	VN	0.31	0.00037	PASS
				LCH	VN	0.23	0.00028	PASS
				MCH	VN	-0.34	-0.00041	PASS
			3	HCH	VN	4.62	0.00545	PASS
				LCH	VN	-0.37	-0.00045	PASS
				MCH	VN	-68.49	-0.08188	PASS
			5	HCH	VN	0.33	0.00039	PASS
				LCH	VN	-2.10	-0.00253	PASS
				MCH	VN	-5.54	-0.00662	PASS
		LTE/TM2	1.4	HCH	VN	-3.75	-0.00444	PASS
				LCH	VN	-10.37	-0.01257	PASS
				MCH	VN	48.14	0.05755	PASS
			3	HCH	VN	-3.13	-0.00369	PASS
				LCH	VN	-0.03	-0.00004	PASS
				MCH	VN	0.62	0.00074	PASS
			5	HCH	VN	7.54	0.0089	PASS
				LCH	VN	3.18	0.00385	PASS
				MCH	VN	34.20	0.04088	PASS
	50	LTE/TM1	1.4	HCH	VN	1.83	0.00216	PASS
				LCH	VN	-5.85	-0.00706	PASS
				MCH	VN	-11.46	-0.0137	PASS
			3	HCH	VN	-4.72	-0.00559	PASS
				LCH	VN	-4.56	-0.00553	PASS
				MCH	VN	5.26	0.00629	PASS
			5	HCH	VN	4.55	0.00536	PASS
				LCH	VN	2.12	0.00257	PASS
				MCH	VN	-2.57	-0.00307	PASS
		LTE/TM2	10	HCH	VN	-2.63	-0.0031	PASS
				LCH	VN	1.47	0.00178	PASS
				MCH	VN	31.50	0.03766	PASS
				HCH	VN	-14.99	-0.01771	PASS
				LCH	VN	-2.86	-0.00345	PASS
				MCH	VN	-6.72	-0.00803	PASS
				HCH	VN	6.11	0.00724	PASS



		LTE/TM2	1.4	LCH	VN	-3.15	-0.00382	PASS
				MCH	VN	32.27	0.03858	PASS
				HCH	VN	-7.77	-0.00916	PASS
			3	LCH	VN	4.59	0.00556	PASS
				MCH	VN	-4.73	-0.00565	PASS
				HCH	VN	0.41	0.00048	PASS
			5	LCH	VN	-0.59	-0.00071	PASS
				MCH	VN	32.26	0.03857	PASS
				HCH	VN	1.59	0.00188	PASS
			10	LCH	VN	-1.16	-0.0014	PASS
				MCH	VN	9.83	0.01175	PASS
				HCH	VN	-1.49	-0.00177	PASS

END