

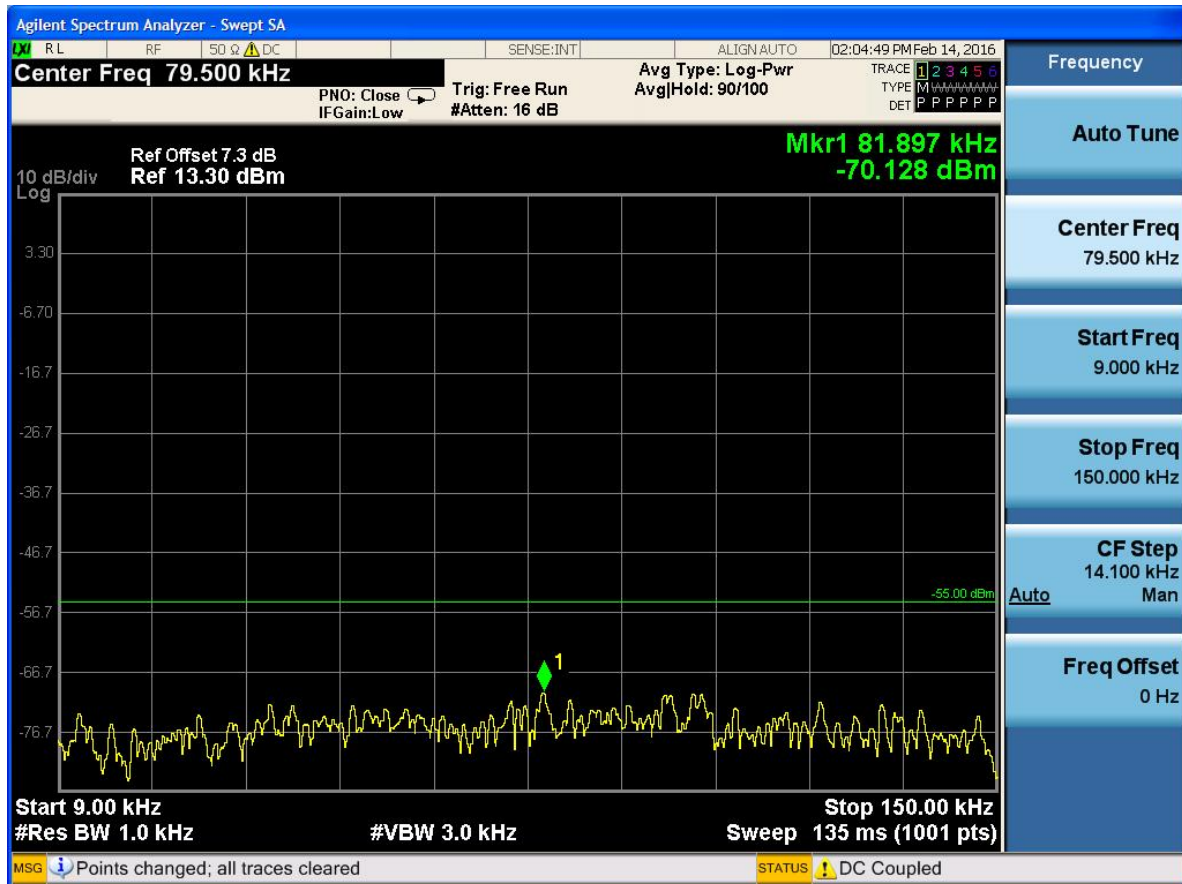




6.1.2.1.4 Test Bandwidth = 20

6.1.2.1.4.1 Test Channel = LCH

6.1.2.1.4.1.1 Test RB = RB1#0

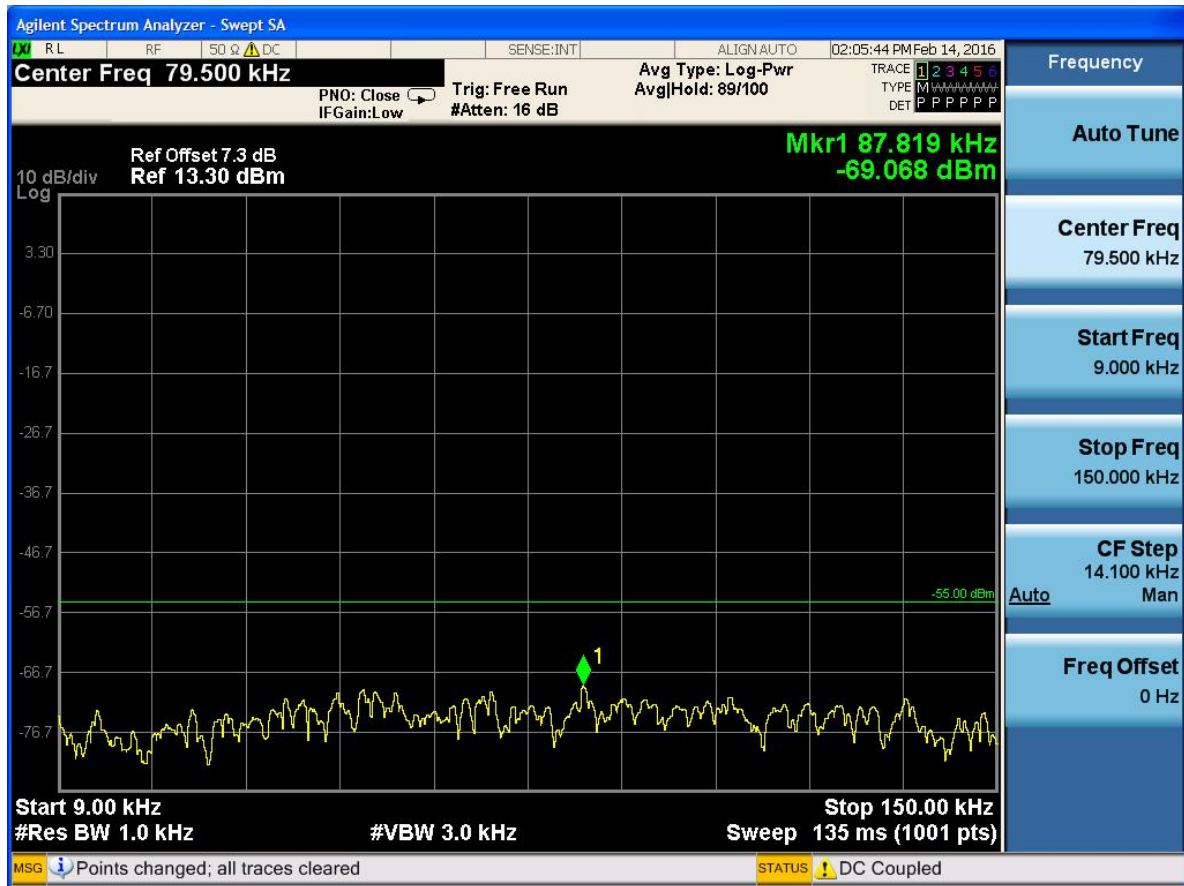


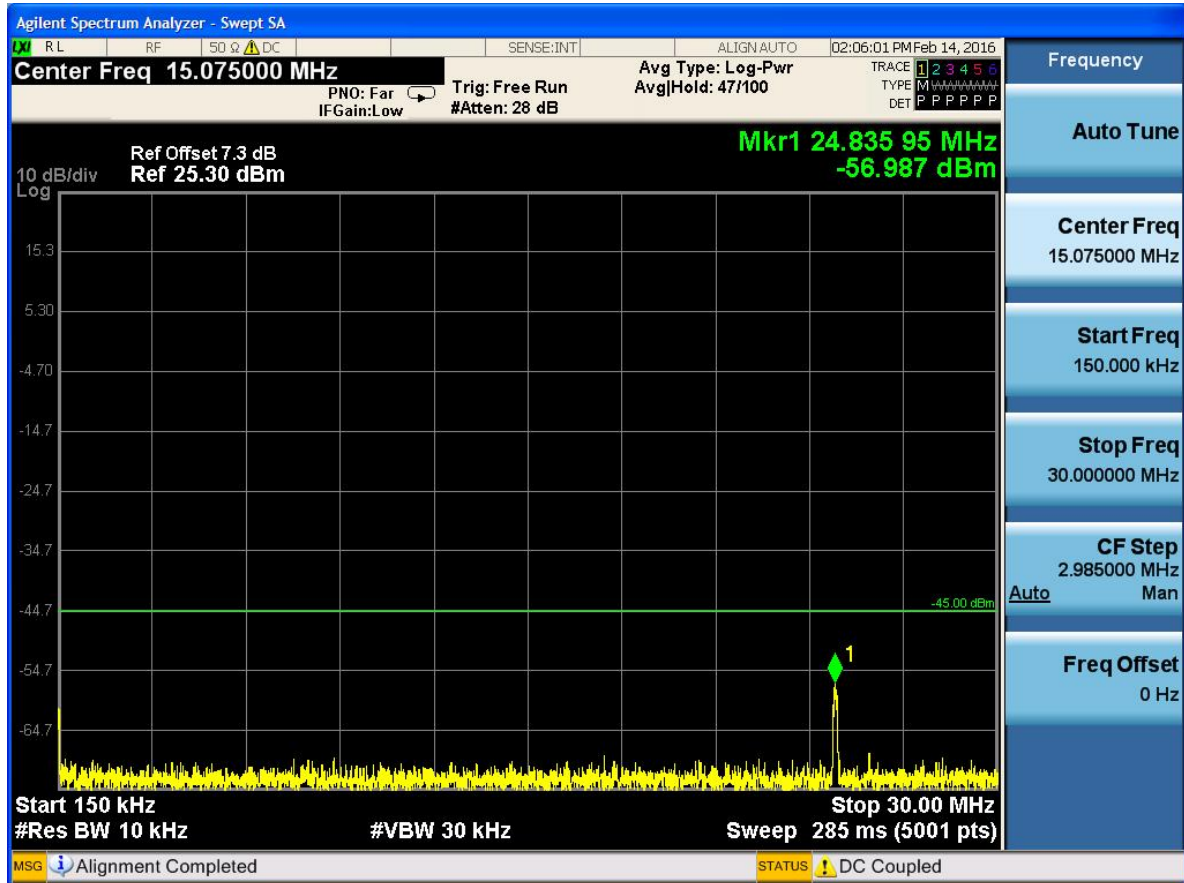




6.1.2.1.4.2 Test Channel = MCH

6.1.2.1.4.2.1 Test RB = RB1#0

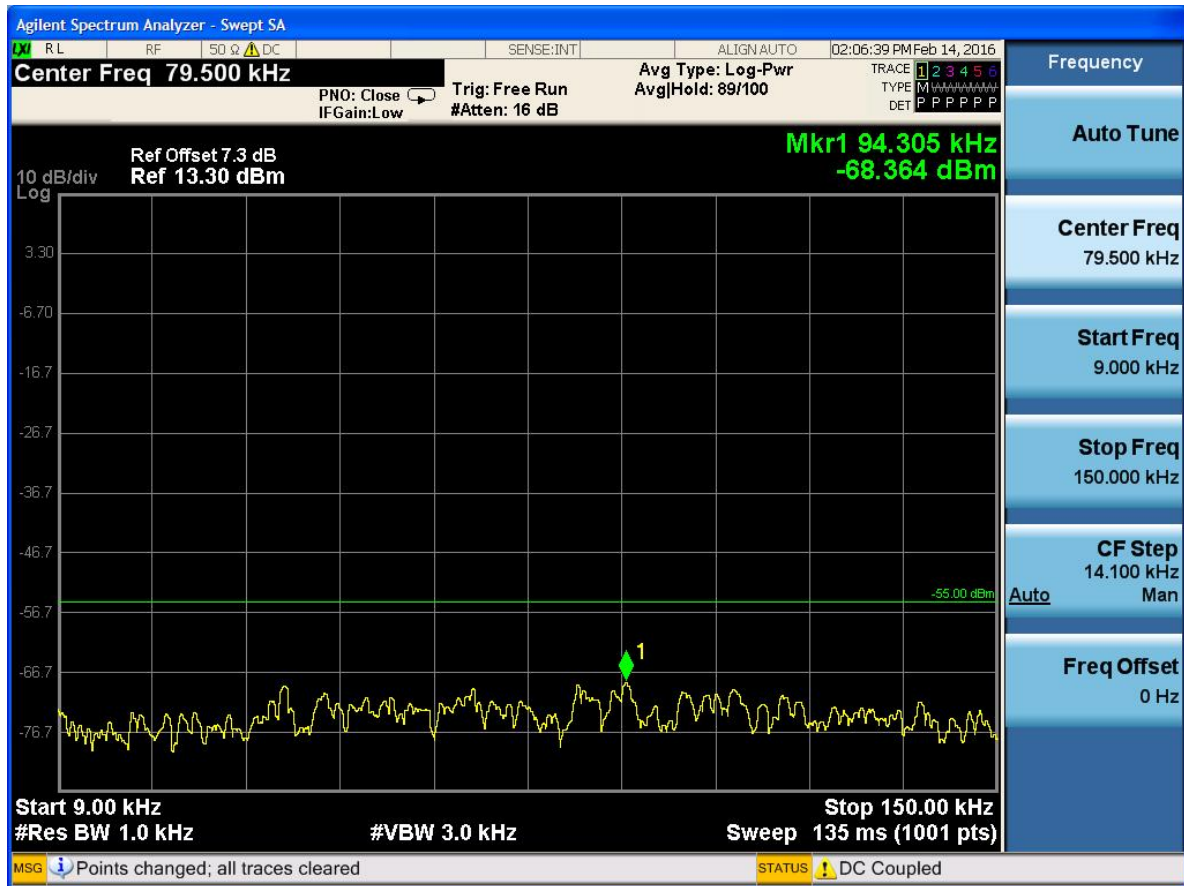






6.1.2.1.4.3 Test Channel = HCH

6.1.2.1.4.3.1 Test RB = RB1#0





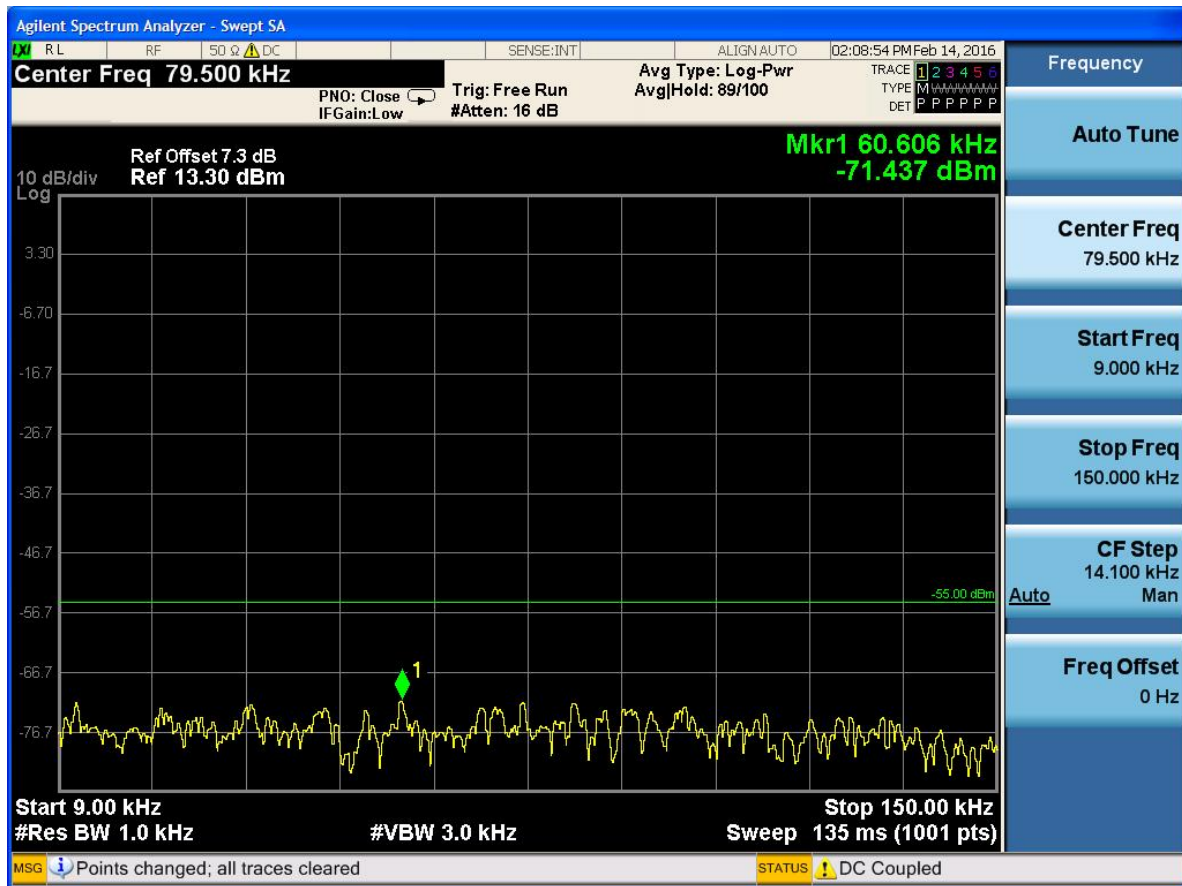


6.1.2.2 Test Mode = LTE/TM2

6.1.2.2.1 Test Bandwidth = 5

6.1.2.2.1.1 Test Channel = LCH

6.1.2.2.1.1.1 Test RB = RB1#0

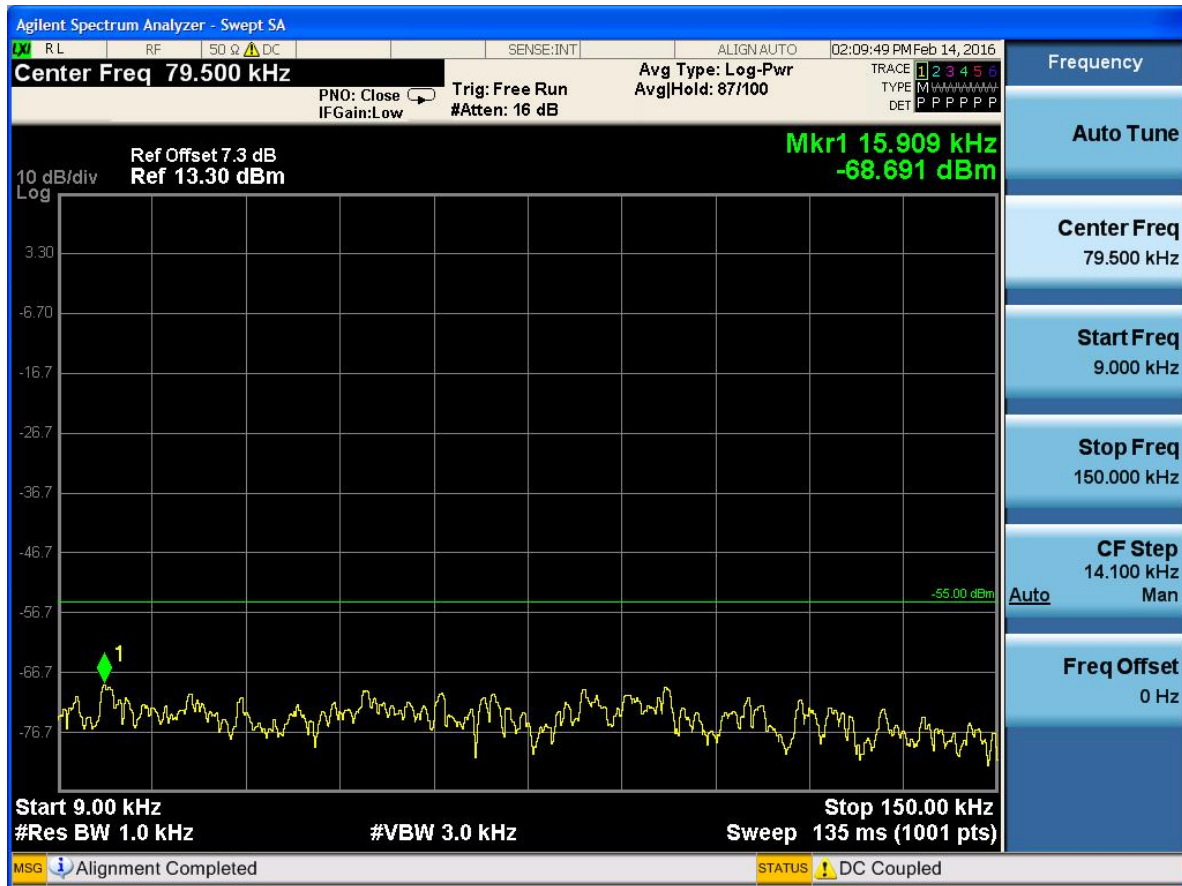






6.1.2.2.1.2 Test Channel = MCH

6.1.2.2.1.2.1 Test RB = RB1#0

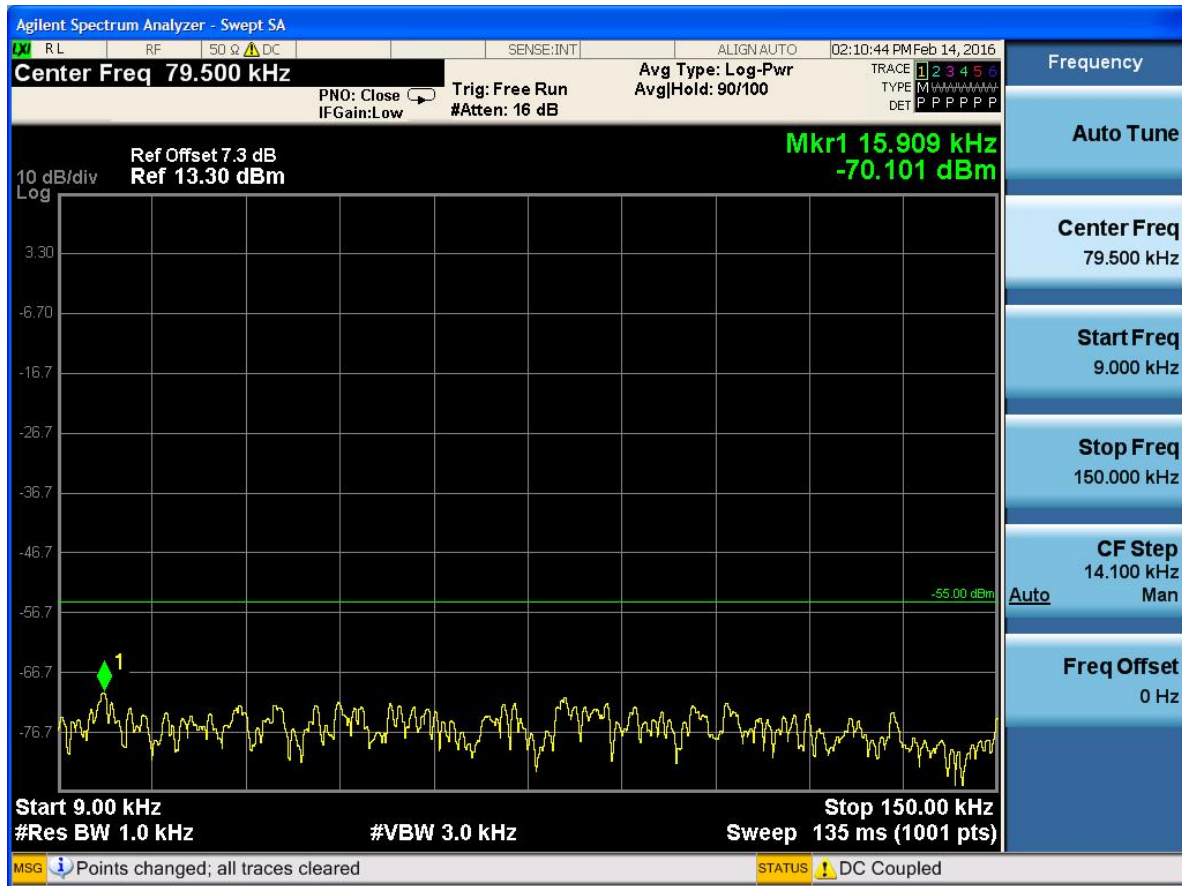


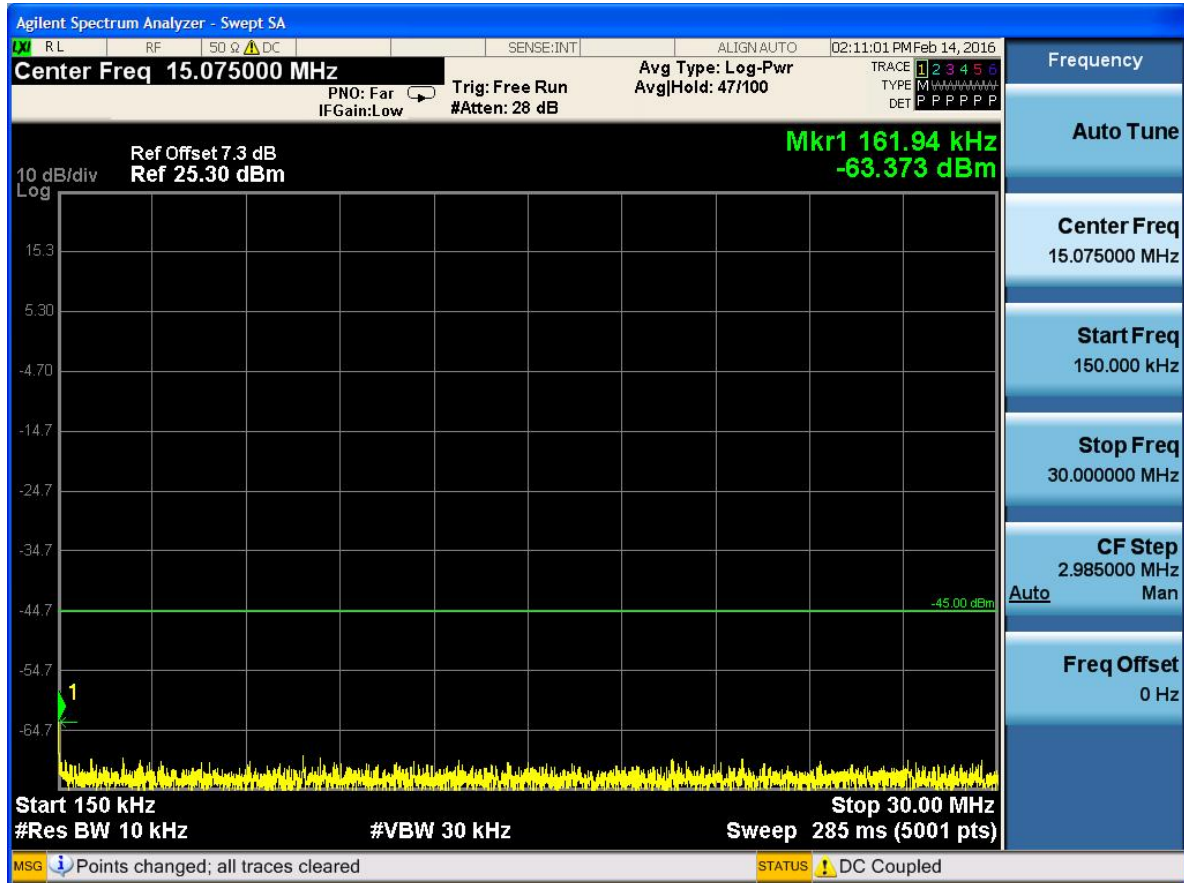




6.1.2.2.1.3 Test Channel = HCH

6.1.2.2.1.3.1 Test RB = RB1#0







6.1.2.2.2 Test Bandwidth = 10

6.1.2.2.2.1 Test Channel = LCH

6.1.2.2.2.1.1 Test RB = RB1#0

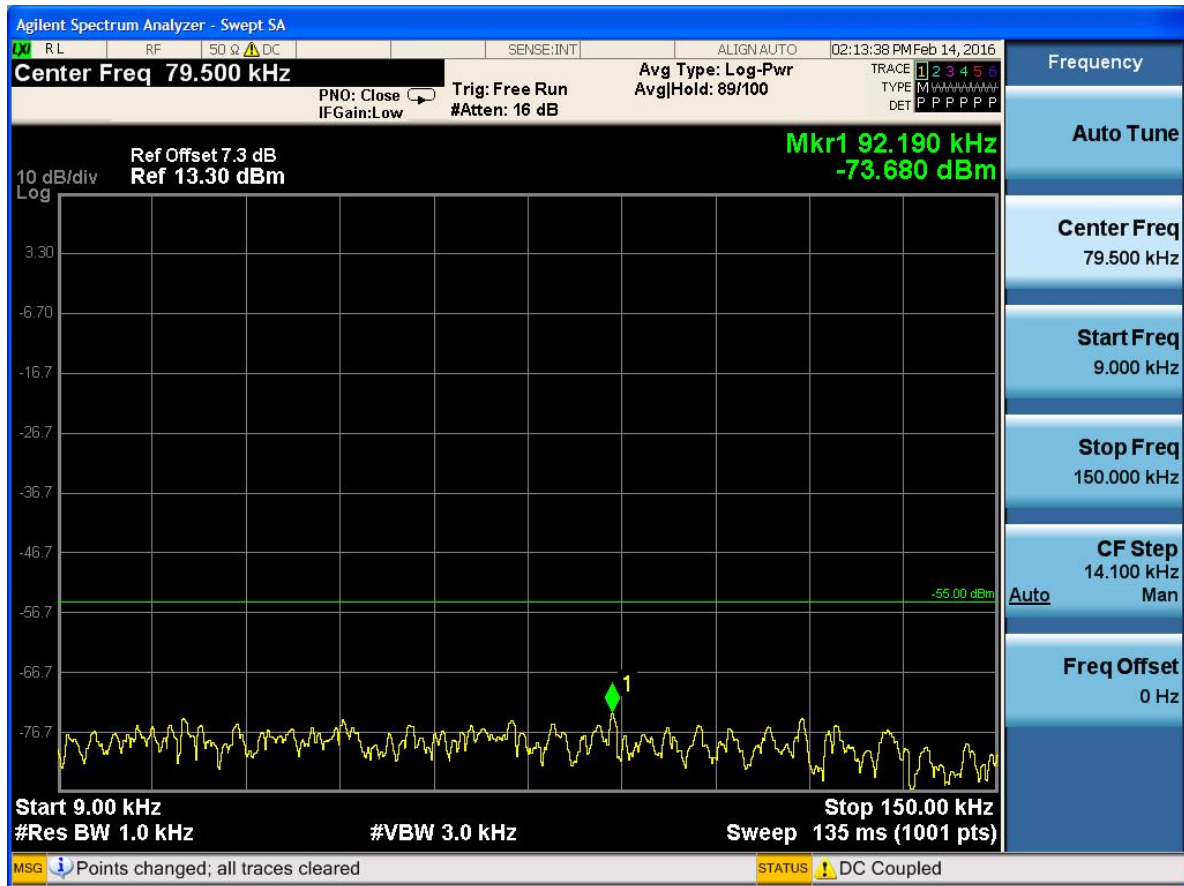






6.1.2.2.2.2 Test Channel = MCH

6.1.2.2.2.2.1 Test RB = RB1#0

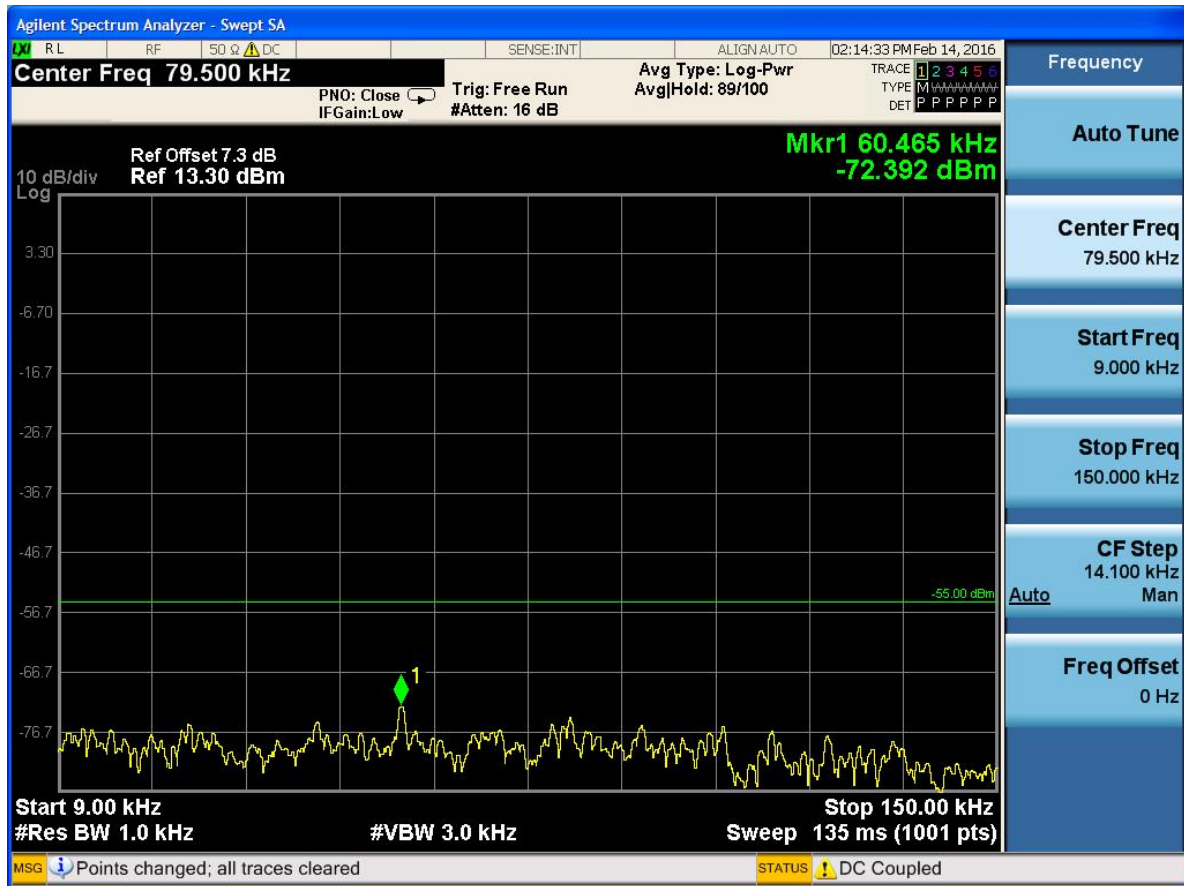






6.1.2.2.3 Test Channel = HCH

6.1.2.2.3.1 Test RB = RB1#0







6.1.2.2.3 Test Bandwidth = 15

6.1.2.2.3.1 Test Channel = LCH

6.1.2.2.3.1.1 Test RB = RB1#0

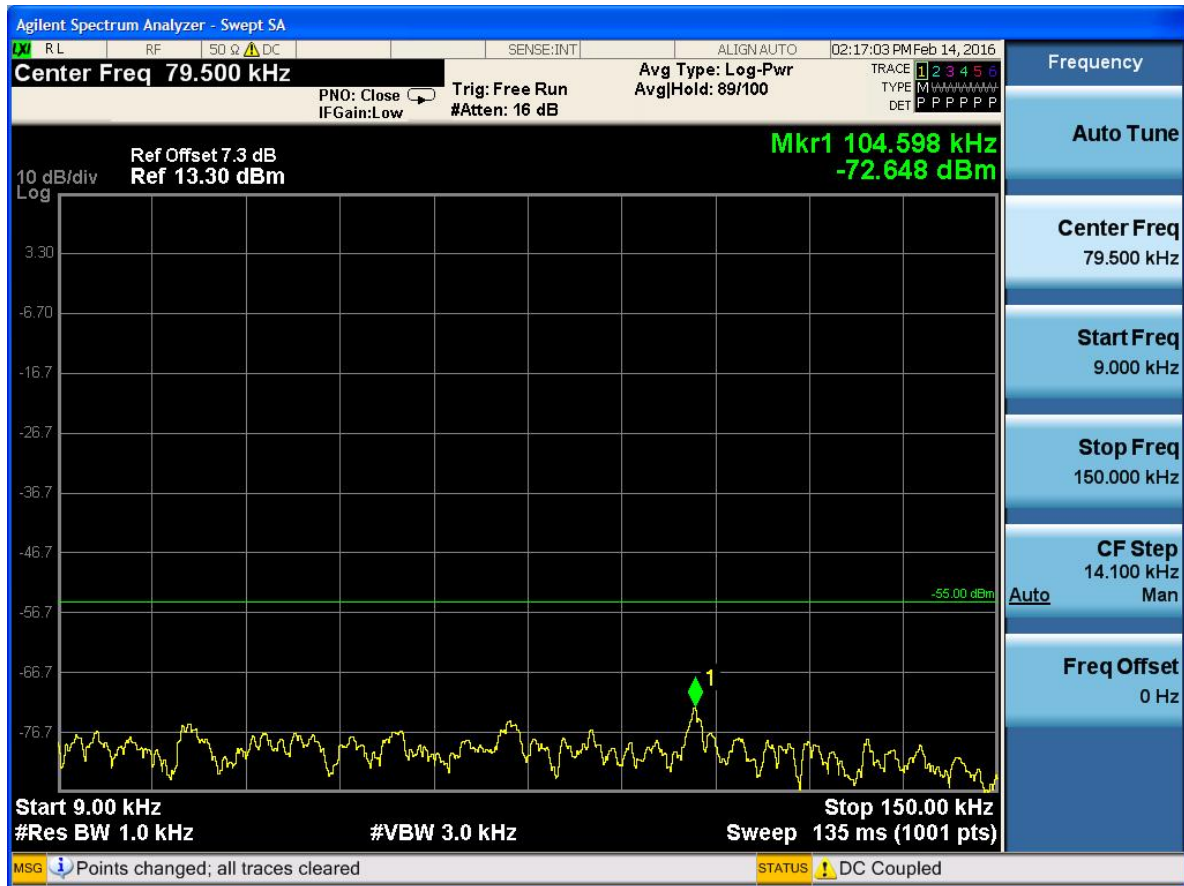


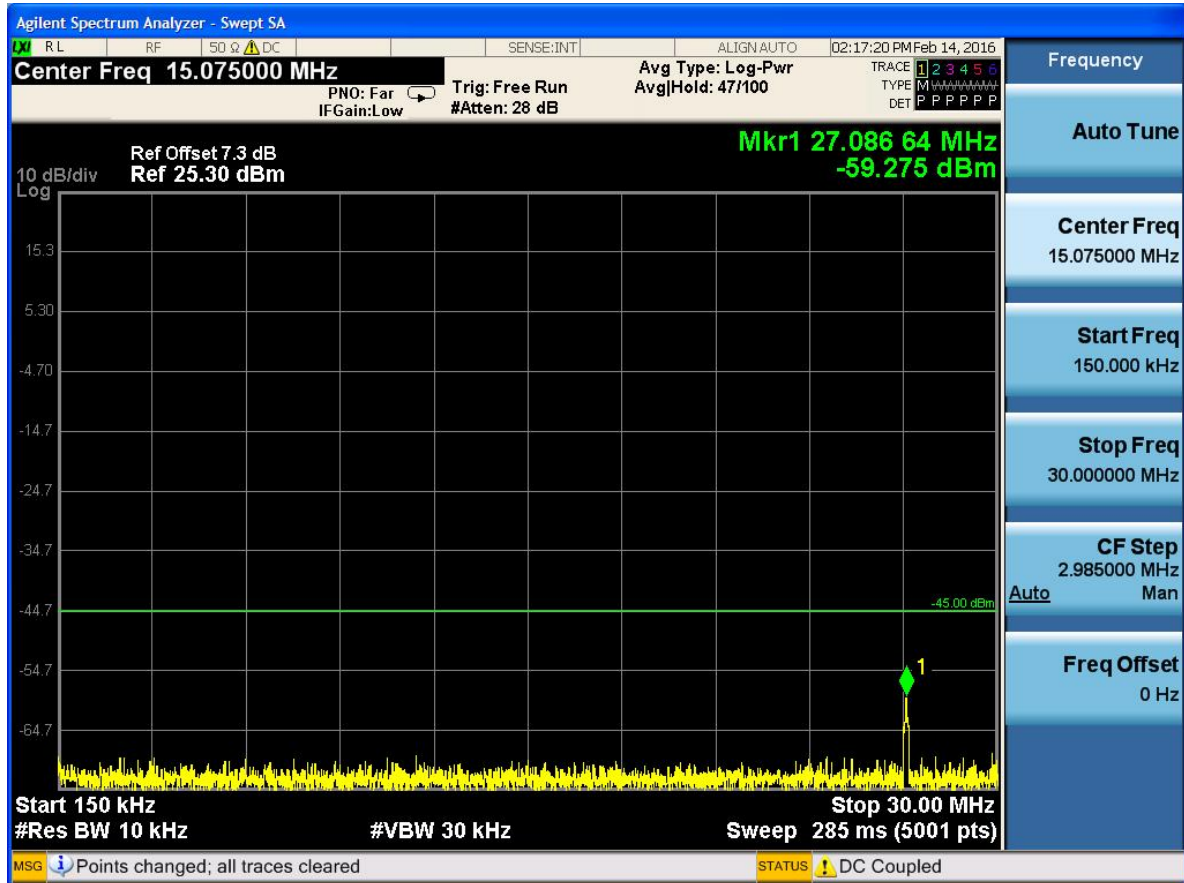




6.1.2.2.3.2 Test Channel = MCH

6.1.2.2.3.2.1 Test RB = RB1#0







6.1.2.2.3.3 Test Channel = HCH

6.1.2.2.3.3.1 Test RB = RB1#0







6.1.2.2.4 Test Bandwidth = 20

6.1.2.2.4.1 Test Channel = LCH

6.1.2.2.4.1.1 Test RB = RB1#0

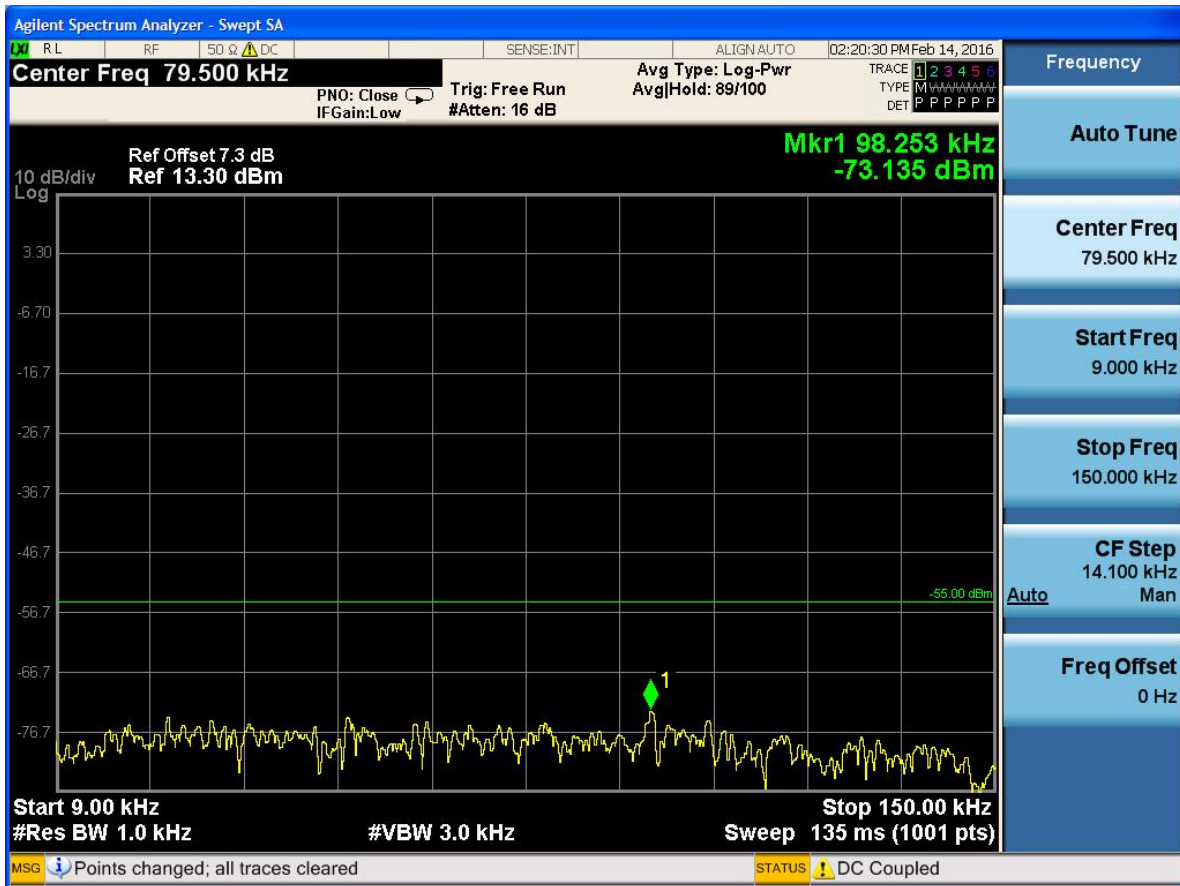






6.1.2.2.4.2 Test Channel = MCH

6.1.2.2.4.2.1 Test RB = RB1#0

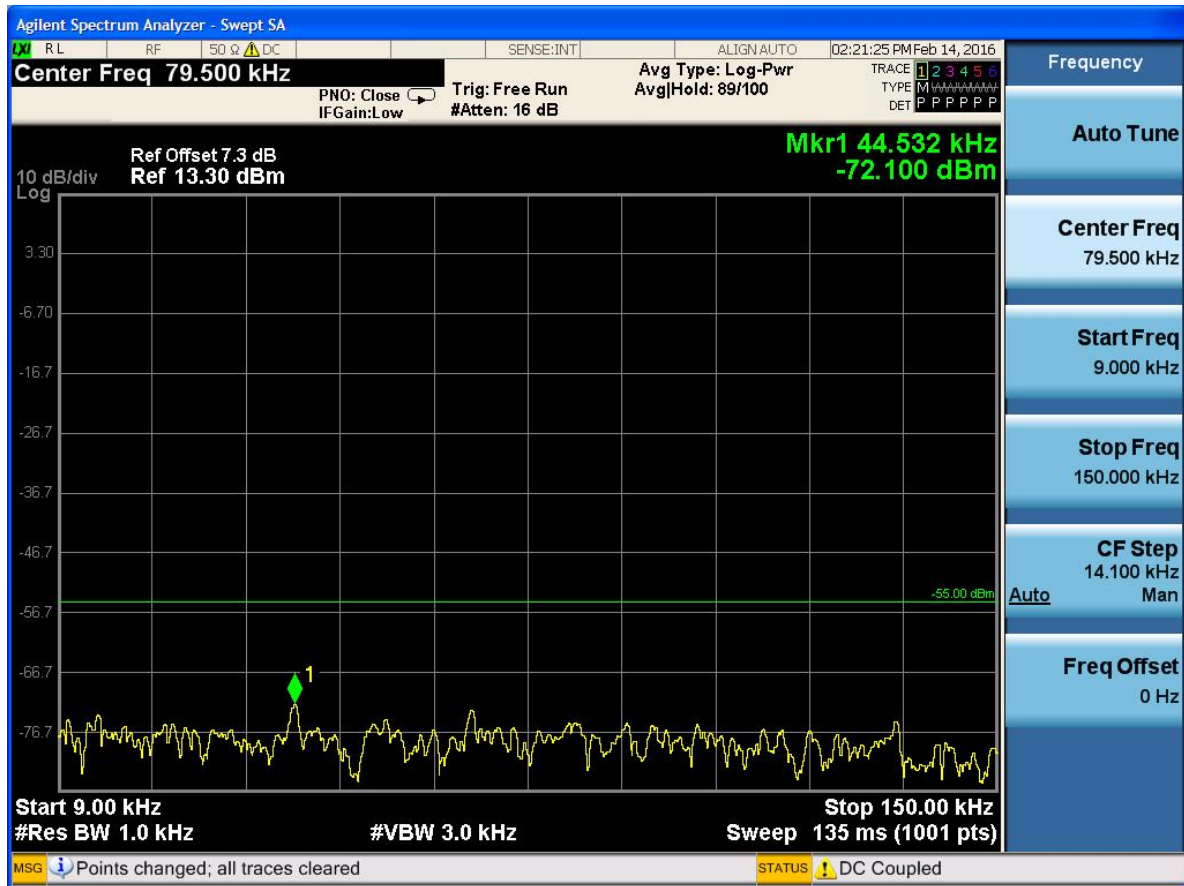


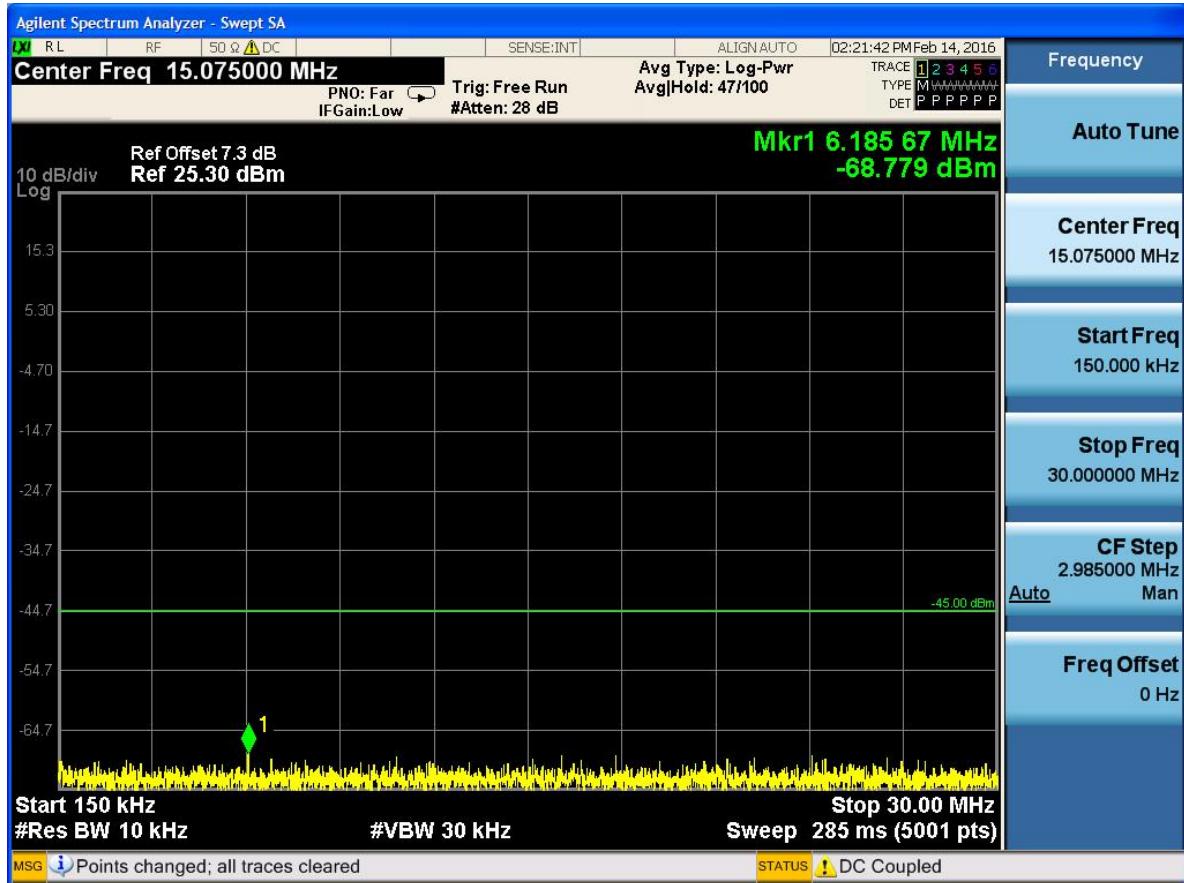




6.1.2.2.4.3 Test Channel = HCH

6.1.2.2.4.3.1 Test RB = RB1#0







7Appendix_H: Frequency Stability

7.1 For LTE

7.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND38	LTE/TM1	5	LCH	TN	VL	0.93	0.00036	PASS
					VN	-1.03	-0.0004	PASS
					VH	-0.09	-0.00003	PASS
			MCH	TN	VL	-9.13	-0.00352	PASS
					VN	7.57	0.00292	PASS
					VH	-1.62	-0.00062	PASS
			HCH	TN	VL	-0.09	-0.00003	PASS
					VN	-8.15	-0.00311	PASS
					VH	-3.60	-0.00138	PASS
		10	LCH	TN	VL	-3.08	-0.0012	PASS
					VN	2.17	0.00084	PASS
					VH	-7.12	-0.00277	PASS
			MCH	TN	VL	-3.75	-0.00145	PASS
					VN	-7.72	-0.00297	PASS
					VH	-3.09	-0.00119	PASS
			HCH	TN	VL	49.27	0.01884	PASS
					VN	-258.62	-0.0989	PASS
					VH	-14.58	-0.00558	PASS
		15	LCH	TN	VL	-7.74	-0.003	PASS
					VN	-10.37	-0.00402	PASS
					VH	-5.08	-0.00197	PASS
			MCH	TN	VL	-6.65	-0.00256	PASS
					VN	-9.40	-0.00362	PASS
					VH	-7.04	-0.00271	PASS
			HCH	TN	VL	-2.10	-0.0008	PASS
					VN	2.09	0.0008	PASS
					VH	-1.44	-0.00055	PASS
		20	LCH	TN	VL	-4.18	-0.00162	PASS
					VN	-4.81	-0.00186	PASS
					VH	-8.85	-0.00343	PASS
			MCH	TN	VL	-10.46	-0.00403	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-6.22	-0.0024	PASS
					VH	-7.72	-0.00297	PASS
			HCH	TN	VL	-10.50	-0.00402	PASS
					VN	-18.64	-0.00714	PASS
					VH	-5.19	-0.00199	PASS
					VH	-5.19	-0.00199	PASS
	LTE/TM2	5	LCH	TN	VL	0.41	0.00016	PASS
					VN	-5.44	-0.00211	PASS
					VH	-3.42	-0.00133	PASS
			MCH	TN	VL	-5.22	-0.00201	PASS
					VN	3.30	0.00127	PASS
					VH	-0.82	-0.00032	PASS
			HCH	TN	VL	2.35	0.0009	PASS
					VN	3.81	0.00146	PASS
					VH	-0.93	-0.00036	PASS
		10	LCH	TN	VL	-6.71	-0.00261	PASS
					VN	-9.03	-0.00351	PASS
					VH	-5.11	-0.00198	PASS
			MCH	TN	VL	-3.92	-0.00151	PASS
					VN	-8.50	-0.00328	PASS
					VH	-10.53	-0.00406	PASS
			HCH	TN	VL	-1.95	-0.00075	PASS
					VN	-5.26	-0.00201	PASS
					VH	-4.56	-0.00174	PASS
		15	LCH	TN	VL	-4.19	-0.00163	PASS
					VN	-3.22	-0.00125	PASS
					VH	-10.16	-0.00394	PASS
			MCH	TN	VL	-9.00	-0.00347	PASS
					VN	-6.64	-0.00256	PASS
					VH	-7.02	-0.00271	PASS
			HCH	TN	VL	3.69	0.00141	PASS
					VN	5.62	0.00215	PASS
					VH	-4.46	-0.00171	PASS
		20	LCH	TN	VL	-13.60	-0.00527	PASS
					VN	-6.34	-0.00246	PASS
					VH	-3.62	-0.0014	PASS
			MCH	TN	VL	-6.54	-0.00252	PASS
					VN	-4.95	-0.00191	PASS
					VH	-5.88	-0.00227	PASS
			HCH	TN	VL	-14.18	-0.00543	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-6.05	-0.00232	PASS
					VH	-3.52	-0.00135	PASS

7.1.2 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
BAND38	LTE/TM1	5	LCH	VN	-30	0.89	0.00035	PASS
					-20	-1	-0.00039	PASS
					-10	1.8	0.0007	PASS
					0	1.53	0.00059	PASS
					10	4.63	0.0018	PASS
					20	-1.42	-0.00055	PASS
					30	-2.85	-0.00111	PASS
					40	2.09	0.00081	PASS
					50	-6.58	-0.00256	PASS
			MCH	VN	-30	3.42	0.00132	PASS
					-20	-4.35	-0.00168	PASS
					-10	-7.95	-0.00306	PASS
					0	-3.26	-0.00126	PASS
					10	8.84	0.00341	PASS
					20	-3.89	-0.0015	PASS
					30	-0.96	-0.00037	PASS
					40	-0.56	-0.00022	PASS
					50	-2.52	-0.00097	PASS
			HCH	VN	-30	-7.93	-0.00303	PASS
					-20	-6.68	-0.00255	PASS
					-10	-2.73	-0.00104	PASS
					0	0.06	0.00002	PASS
					10	-11.01	-0.00421	PASS
					20	-0.33	-0.00013	PASS
					30	-11.77	-0.0045	PASS
					40	-4.36	-0.00167	PASS
					50	-8.8	-0.00336	PASS
		10	LCH	VN	-30	-0.01	0	PASS
					-20	-17.15	-0.00666	PASS
					-10	-12.77	-0.00496	PASS
					0	-1.39	-0.00054	PASS
					10	-12.55	-0.00487	PASS
					20	-43.42	-0.01686	PASS
					30	-6.35	-0.00247	PASS
					40	-3.76	-0.00146	PASS
					50	-4.13	-0.0016	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	-1.09	-0.00042	PASS
					-20	-0.87	-0.00034	PASS
					-10	-7.04	-0.00271	PASS
					0	-6.47	-0.00249	PASS
					10	-6.25	-0.00241	PASS
					20	-8.78	-0.00338	PASS
					30	-8.11	-0.00313	PASS
					40	0.5	0.00019	PASS
					50	-7.48	-0.00288	PASS
			HCH	VN	-30	-1.76	-0.00067	PASS
					-20	-7.21	-0.00276	PASS
					-10	-4.21	-0.00161	PASS
					0	0.62	0.00024	PASS
					10	1.46	0.00056	PASS
					20	-3.22	-0.00123	PASS
					30	-2.33	-0.00089	PASS
					40	-1.04	-0.0004	PASS
					50	-4.68	-0.00179	PASS
		15	LCH	VN	-30	9.53	0.0037	PASS
					-20	-0.4	-0.00016	PASS
					-10	0.17	0.00007	PASS
					0	9.34	0.00362	PASS
					10	-0.29	-0.00011	PASS
					20	-2.42	-0.00094	PASS
					30	-0.27	-0.0001	PASS
					40	-7.54	-0.00293	PASS
					50	-4.43	-0.00172	PASS
			MCH	VN	-30	-2.43	-0.00094	PASS
					-20	-6.81	-0.00262	PASS
					-10	-11	-0.00424	PASS
					0	-3.92	-0.00151	PASS
					10	-5.62	-0.00217	PASS
					20	-0.54	-0.00021	PASS
					30	-1.56	-0.0006	PASS
					40	-2.75	-0.00106	PASS
					50	-8.8	-0.00339	PASS
			HCH	VN	-30	-2.29	-0.00088	PASS
					-20	-4.43	-0.0017	PASS
					-10	-4.68	-0.00179	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	0.23	0.00009	PASS
					10	-10.6	-0.00406	PASS
					20	-1.56	-0.0006	PASS
					30	-4.88	-0.00187	PASS
					40	-1.65	-0.00063	PASS
					50	0.33	0.00013	PASS
		20	LCH	VN	-30	5.58	0.00216	PASS
					-20	-6.02	-0.00233	PASS
					-10	-1.95	-0.00076	PASS
					0	-1.86	-0.00072	PASS
					10	-7.02	-0.00272	PASS
					20	0.74	0.00029	PASS
					30	-6.31	-0.00245	PASS
					40	-2.93	-0.00114	PASS
					50	-4.01	-0.00155	PASS
			MCH	VN	-30	-7.4	-0.00285	PASS
					-20	-4.13	-0.00159	PASS
					-10	-5.16	-0.00199	PASS
					0	-7.1	-0.00274	PASS
					10	-4.66	-0.0018	PASS
					20	-3.35	-0.00129	PASS
					30	-7.11	-0.00274	PASS
					40	-12.12	-0.00467	PASS
					50	0.56	0.00022	PASS
			HCH	VN	-30	-3.55	-0.00136	PASS
					-20	-3.58	-0.00137	PASS
					-10	-0.84	-0.00032	PASS
					0	-6.04	-0.00231	PASS
					10	-0.34	-0.00013	PASS
					20	-5.87	-0.00225	PASS
					30	-6.78	-0.0026	PASS
					40	-1.89	-0.00072	PASS
					50	-6.92	-0.00265	PASS
	LTE/TM2	5	LCH	VN	-30	2.72	0.00106	PASS
					-20	2.85	0.00111	PASS
					-10	3.71	0.00144	PASS
					0	-0.46	-0.00018	PASS
					10	-0.16	-0.00006	PASS
					20	-4.41	-0.00171	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	-10.31	-0.00401	PASS
					40	4.12	0.0016	PASS
					50	-6.29	-0.00245	PASS
			MCH	VN	-30	8.2	0.00316	PASS
					-20	-5.92	-0.00228	PASS
					-10	0.21	0.00008	PASS
					0	4.15	0.0016	PASS
					10	-22.92	-0.00883	PASS
					20	-2.05	-0.00079	PASS
					30	-4.71	-0.00182	PASS
					40	-7.87	-0.00303	PASS
					50	-5.71	-0.0022	PASS
			HCH	VN	-30	-5.91	-0.00226	PASS
					-20	-6.65	-0.00254	PASS
					-10	-5.18	-0.00198	PASS
					0	-4.18	-0.0016	PASS
					10	-3.53	-0.00135	PASS
					20	-27.17	-0.01038	PASS
					30	-4.29	-0.00164	PASS
					40	-7.25	-0.00277	PASS
					50	-6.82	-0.00261	PASS
			LCH	VN	-30	-0.09	-0.00003	PASS
					-20	1.44	0.00056	PASS
					-10	5.79	0.00225	PASS
					0	6.79	0.00264	PASS
					10	-3.35	-0.0013	PASS
					20	-5.19	-0.00202	PASS
					30	-0.76	-0.0003	PASS
					40	0.73	0.00028	PASS
					50	-1.39	-0.00054	PASS
		10	MCH	VN	-30	-11.57	-0.00446	PASS
					-20	-1.87	-0.00072	PASS
					-10	-4.46	-0.00172	PASS
					0	-0.69	-0.00027	PASS
					10	2.25	0.00087	PASS
					20	0.59	0.00023	PASS
					30	-4.25	-0.00164	PASS
					40	-1.97	-0.00076	PASS
					50	-6.19	-0.00239	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	-30	37.68	0.01441	PASS
					-20	13.13	0.00502	PASS
					-10	10.17	0.00389	PASS
					0	-2.63	-0.00101	PASS
					10	11.6	0.00444	PASS
					20	-10	-0.00382	PASS
					30	-35.92	-0.01374	PASS
					40	-1.06	-0.00041	PASS
					50	-8.57	-0.00328	PASS
		15	LCH	VN	-30	-2.96	-0.00115	PASS
					-20	-3.06	-0.00119	PASS
					-10	0.31	0.00012	PASS
					0	2.06	0.0008	PASS
					10	-5.29	-0.00205	PASS
					20	-9.41	-0.00365	PASS
					30	-6.42	-0.00249	PASS
					40	-0.7	-0.00027	PASS
					50	-8.81	-0.00342	PASS
			MCH	VN	-30	-6.34	-0.00244	PASS
					-20	-6.74	-0.0026	PASS
					-10	-9.23	-0.00356	PASS
					0	-1.4	-0.00054	PASS
					10	-5.62	-0.00217	PASS
					20	0.47	0.00018	PASS
					30	-3.06	-0.00118	PASS
					40	3.43	0.00132	PASS
					50	-6.52	-0.00251	PASS
			HCH	VN	-30	-9.6	-0.00367	PASS
					-20	-1.5	-0.00057	PASS
					-10	-2.8	-0.00107	PASS
					0	-10.93	-0.00418	PASS
					10	-0.11	-0.00004	PASS
					20	-8.47	-0.00324	PASS
					30	-3.56	-0.00136	PASS
					40	-0.93	-0.00036	PASS
					50	-6.14	-0.00235	PASS
		20	LCH	VN	-30	-6.18	-0.0024	PASS
					-20	-1.33	-0.00052	PASS
					-10	-1.04	-0.0004	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-1.82	-0.00071	PASS
					10	0.69	0.00027	PASS
					20	0.33	0.00013	PASS
					30	-5.92	-0.00229	PASS
					40	-5.06	-0.00196	PASS
					50	-1.14	-0.00044	PASS
			MCH	VN	-30	-6.01	-0.00232	PASS
					-20	4.33	0.00167	PASS
					-10	-9.23	-0.00356	PASS
					0	-4.46	-0.00172	PASS
					10	-4.21	-0.00162	PASS
					20	0.1	0.00004	PASS
					30	-5.28	-0.00203	PASS
					40	-9.04	-0.00348	PASS
					50	-5.21	-0.00201	PASS
			HCH	VN	-30	-15.95	-0.00611	PASS
					-20	-4.52	-0.00173	PASS
					-10	-6.34	-0.00243	PASS
					0	-5.28	-0.00202	PASS
					10	-7.84	-0.003	PASS
					20	-5.04	-0.00193	PASS
					30	-13.79	-0.00528	PASS
					40	-9.68	-0.00371	PASS
					50	-5.38	-0.00206	PASS

END