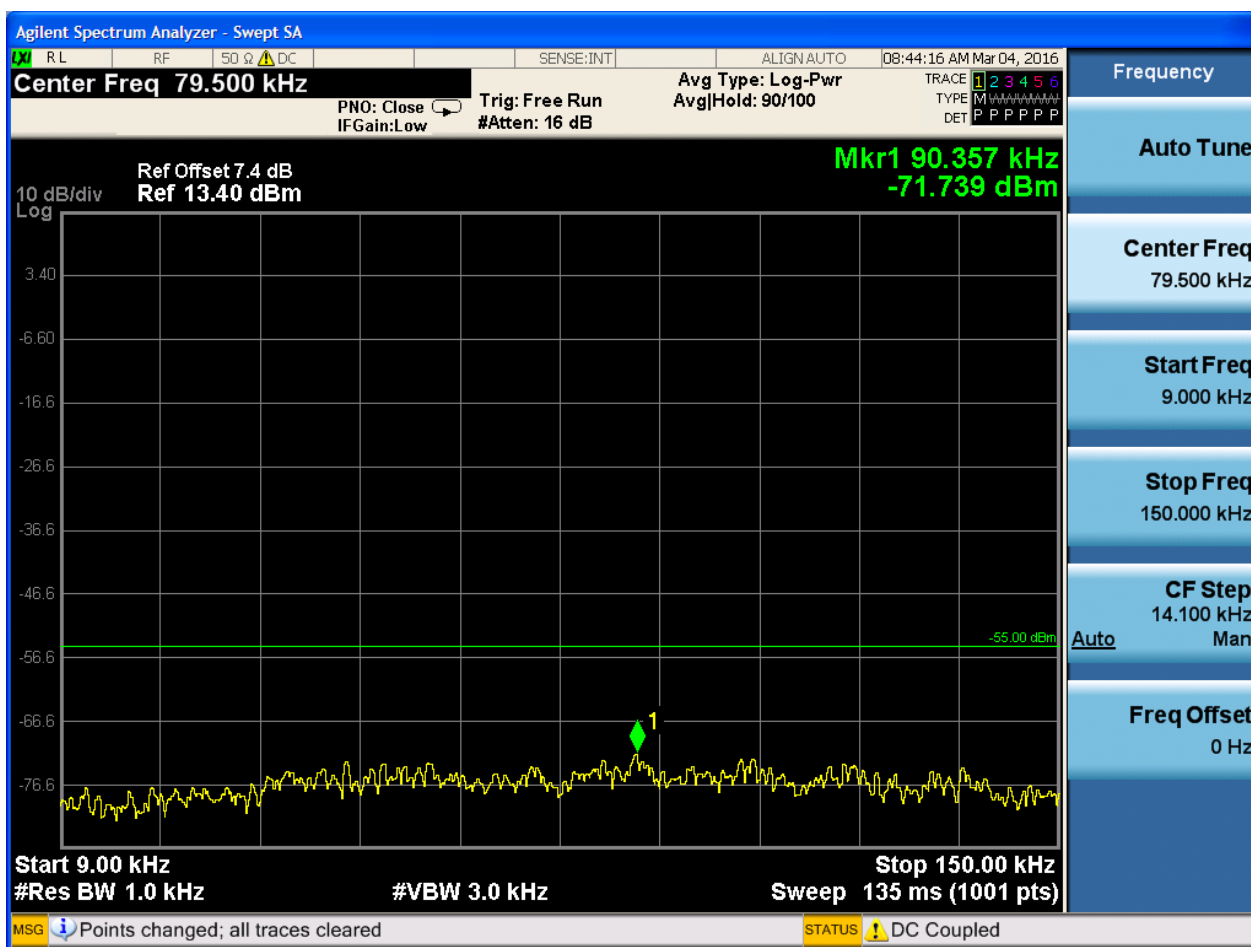
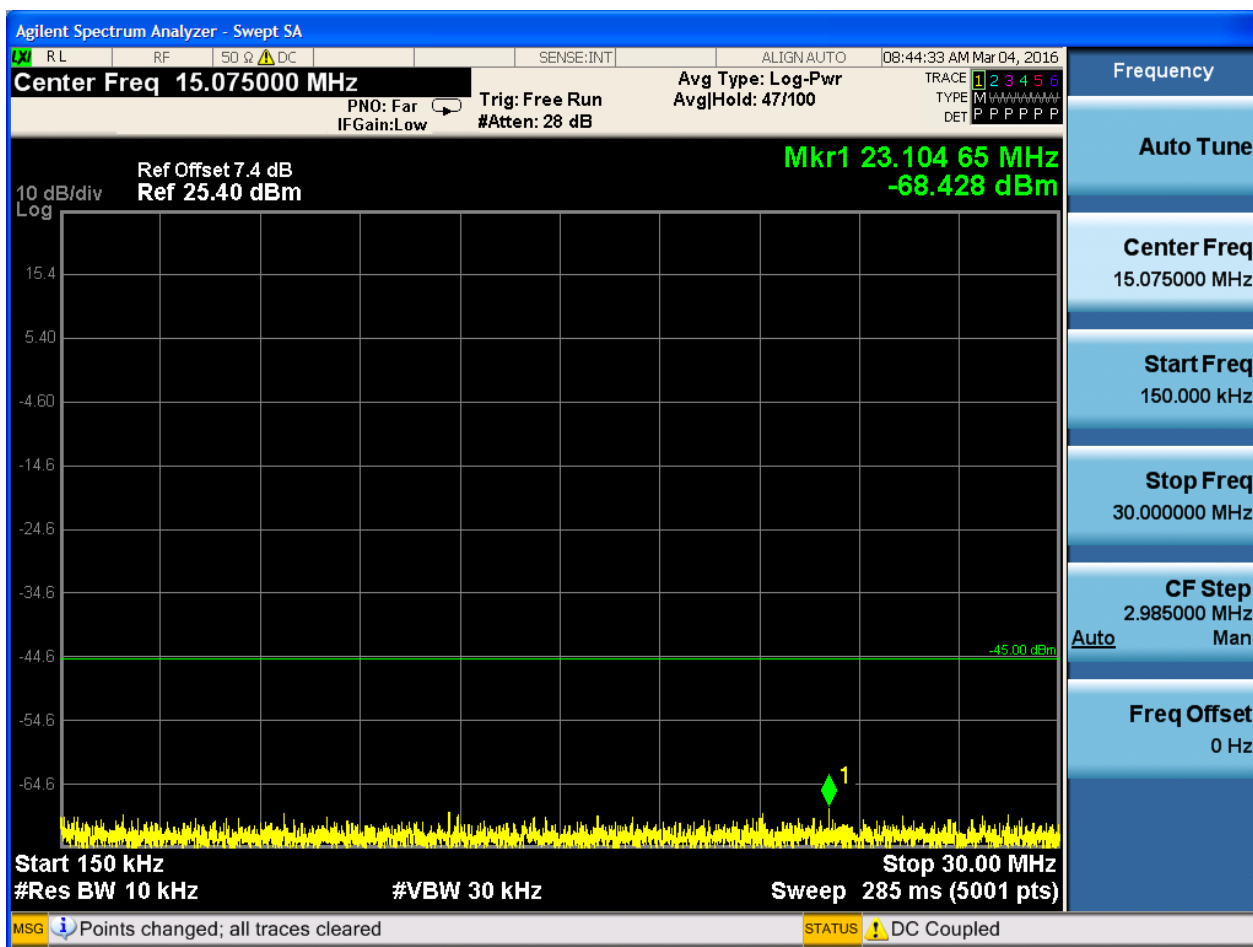


6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

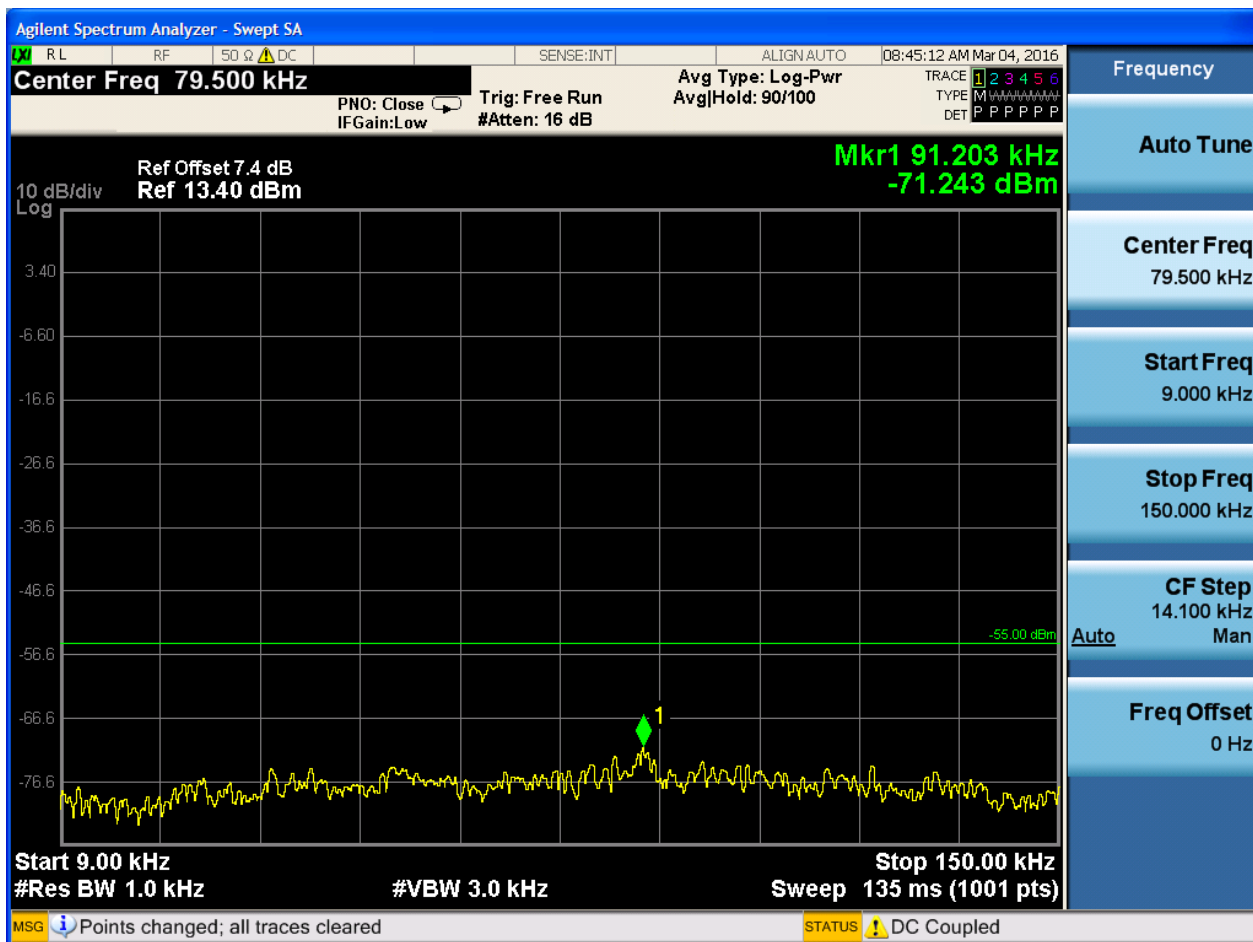


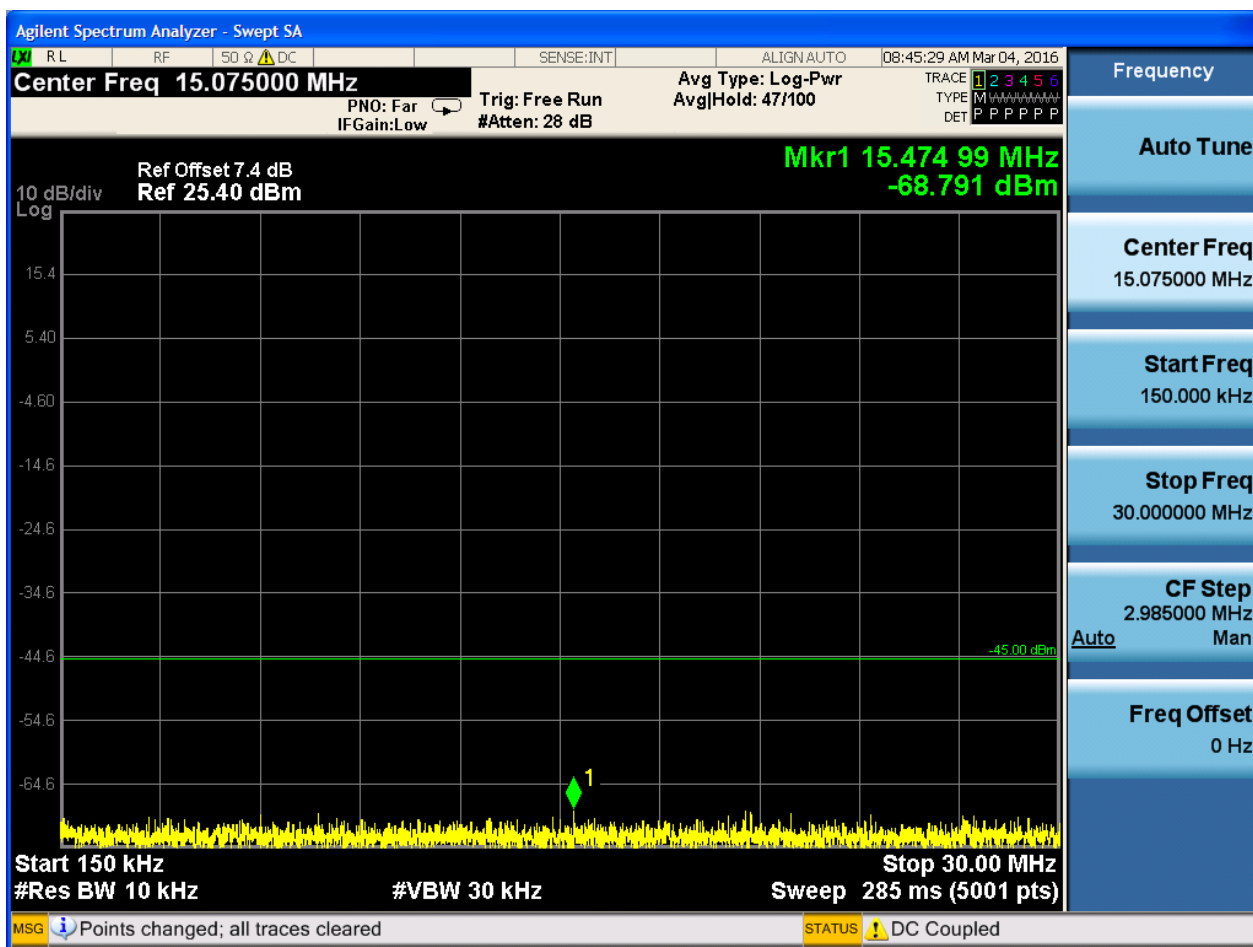




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

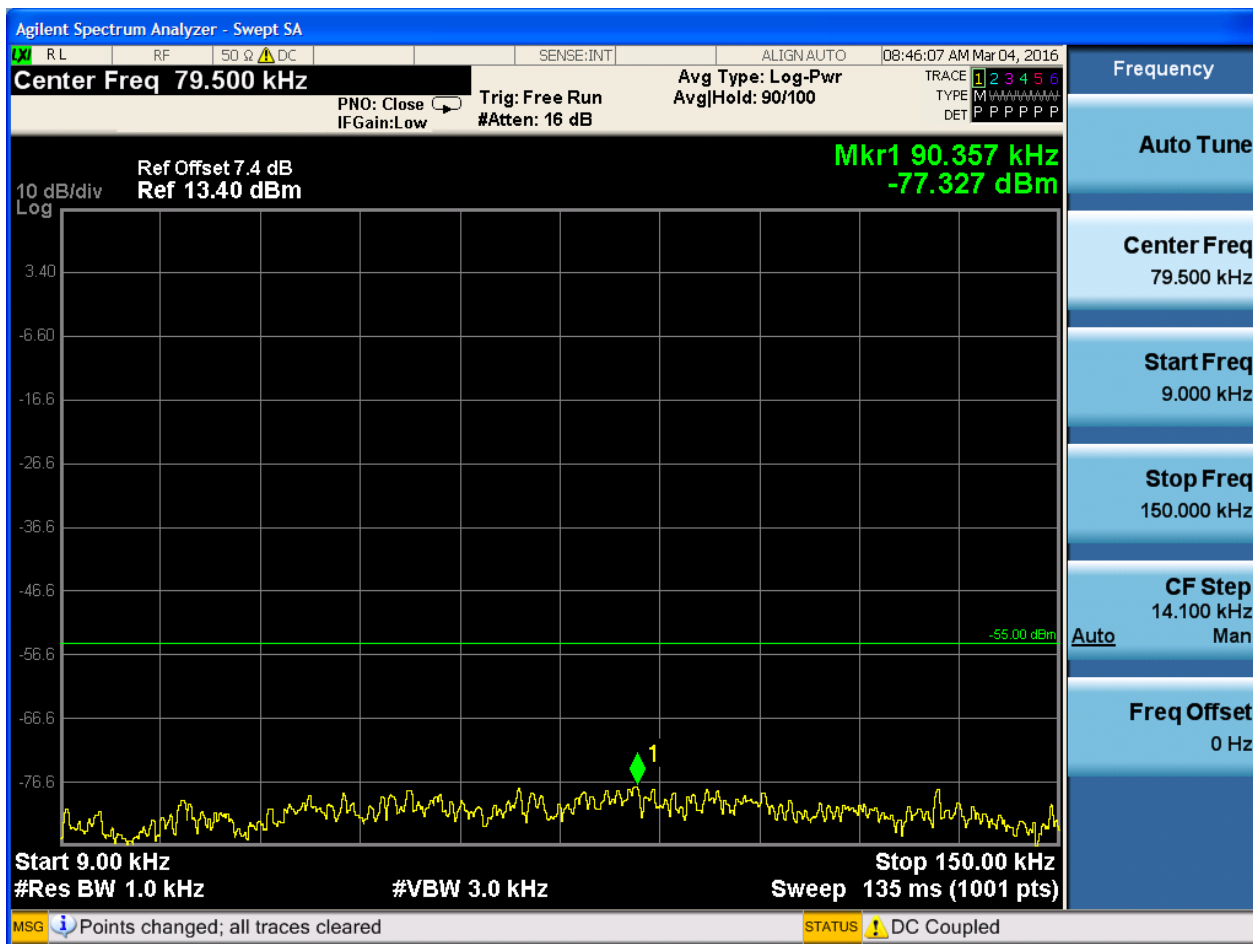


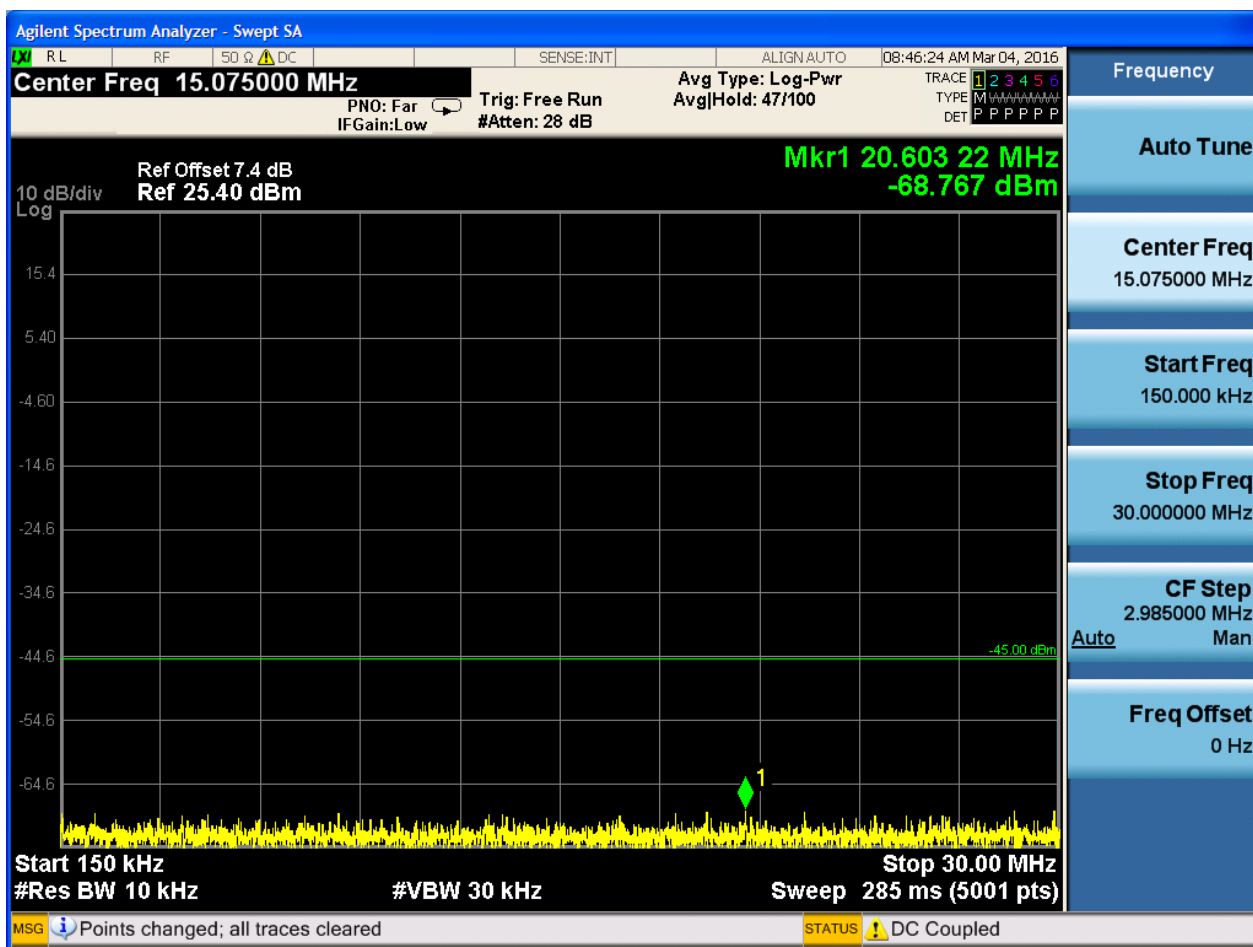




6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





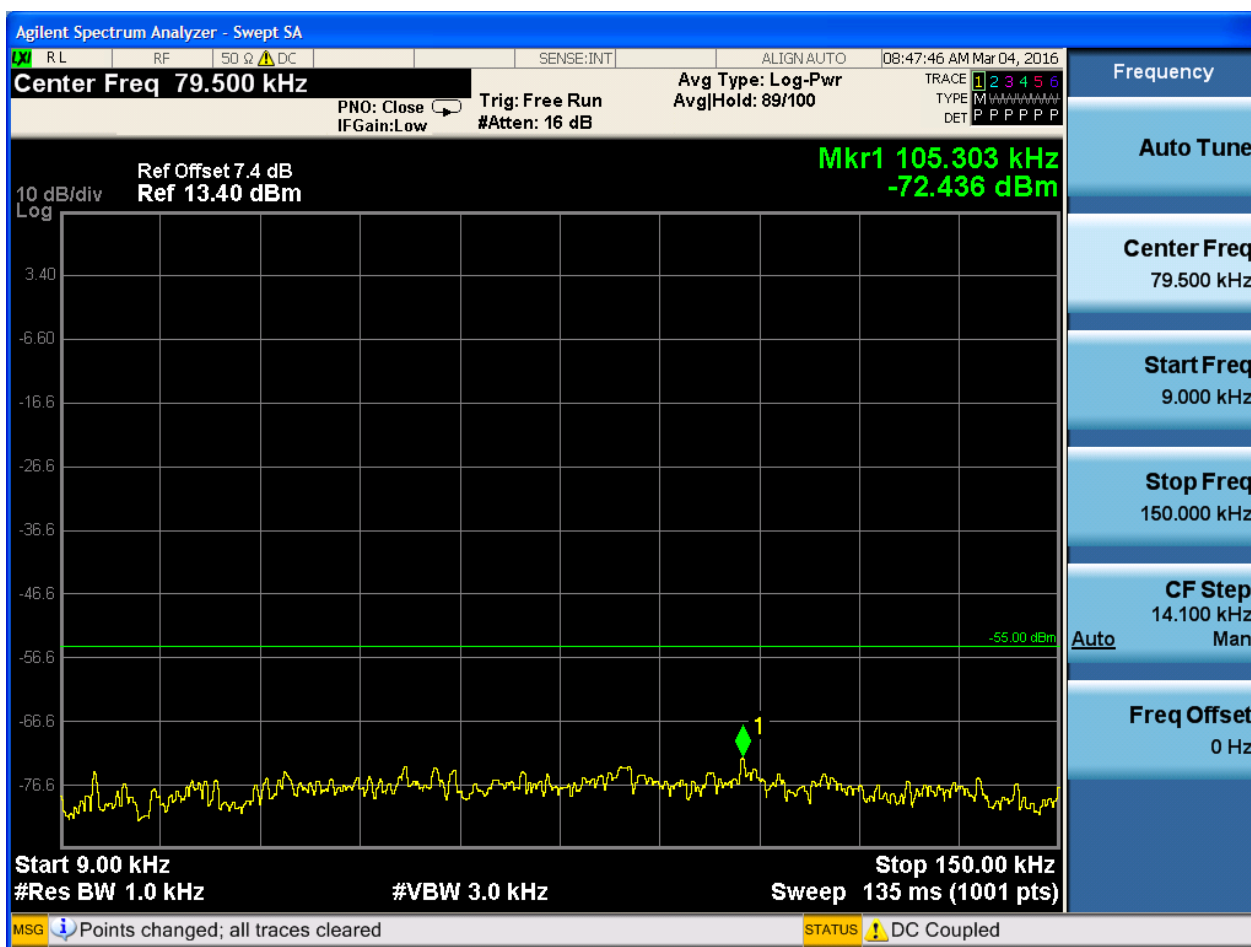




6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



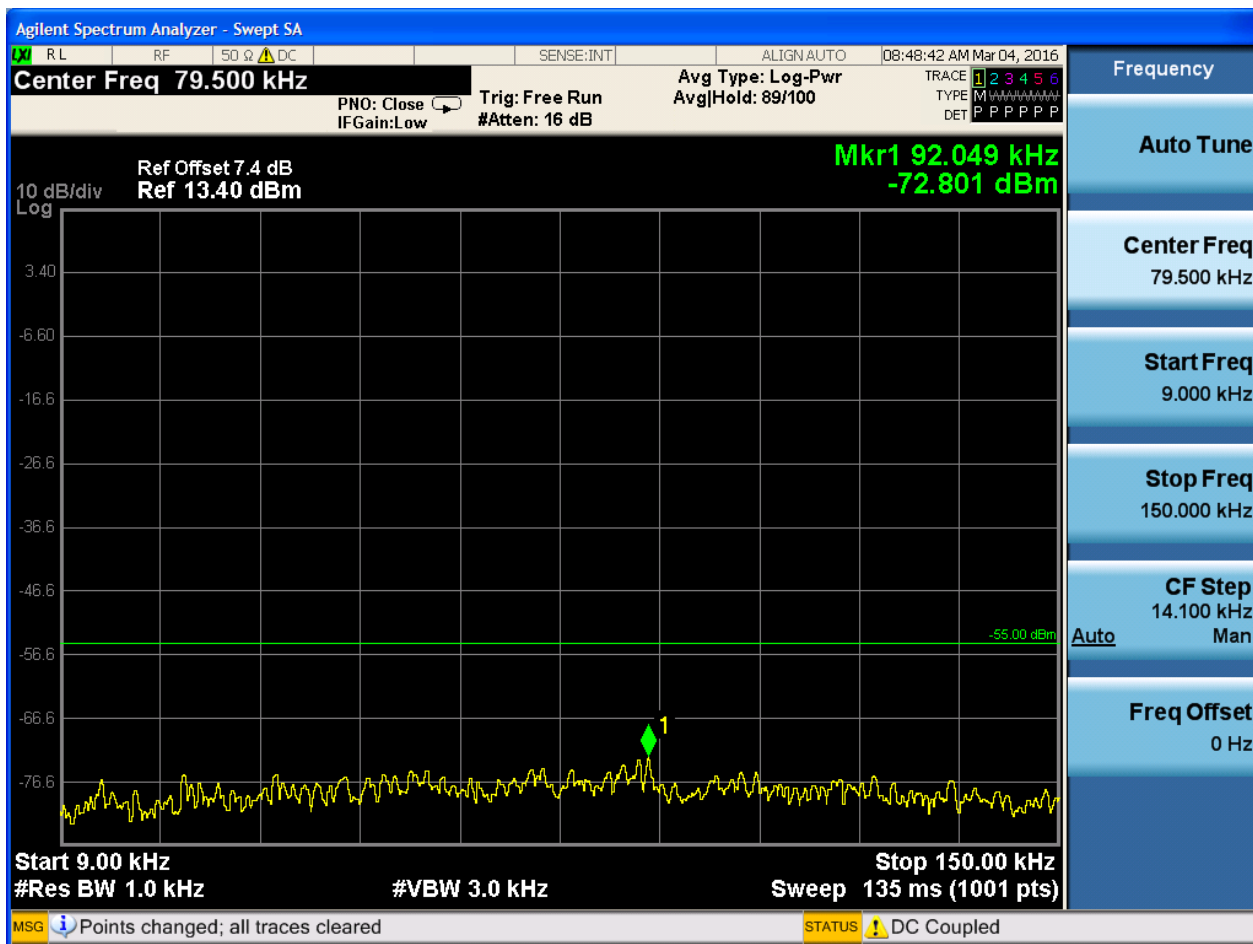


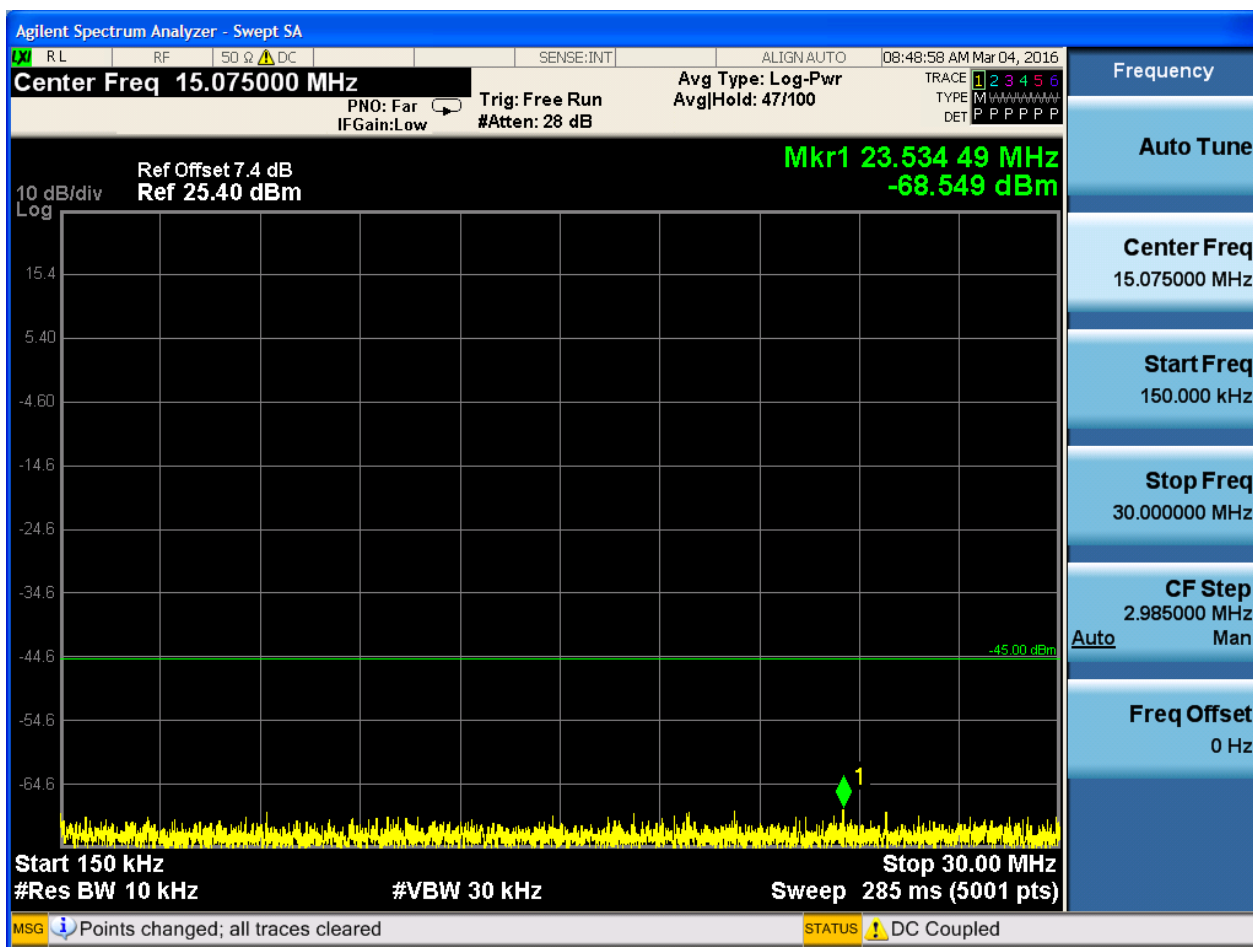




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



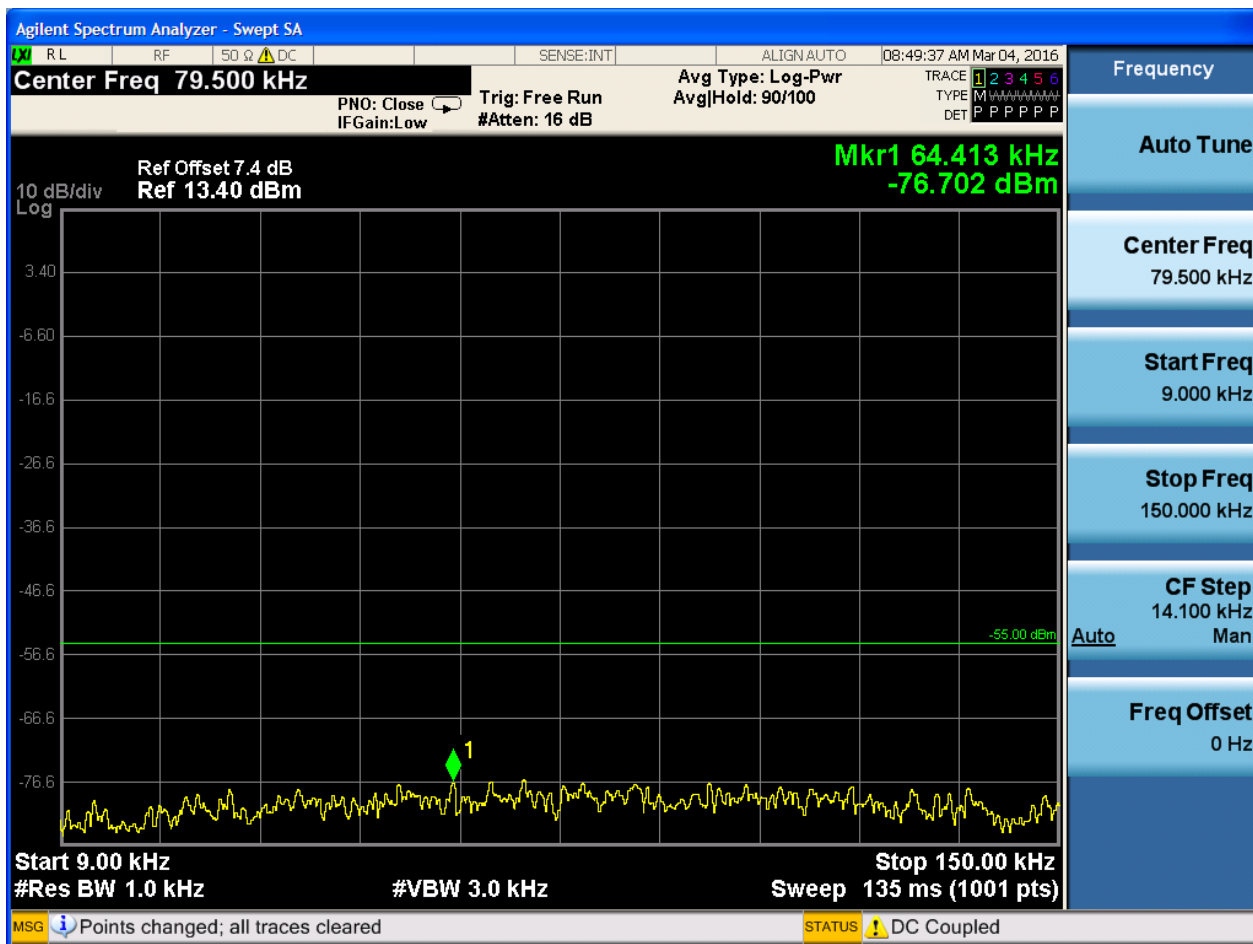


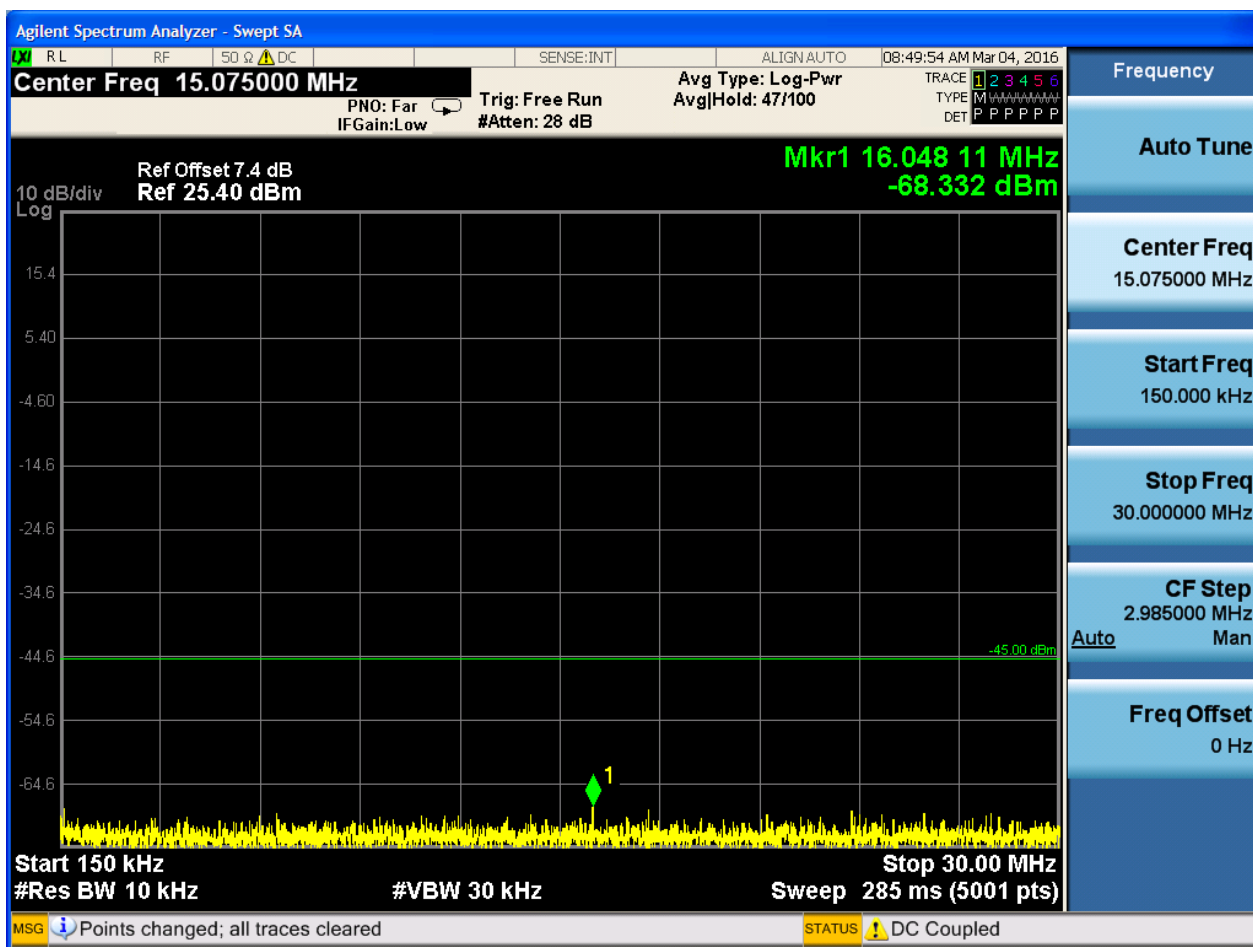




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





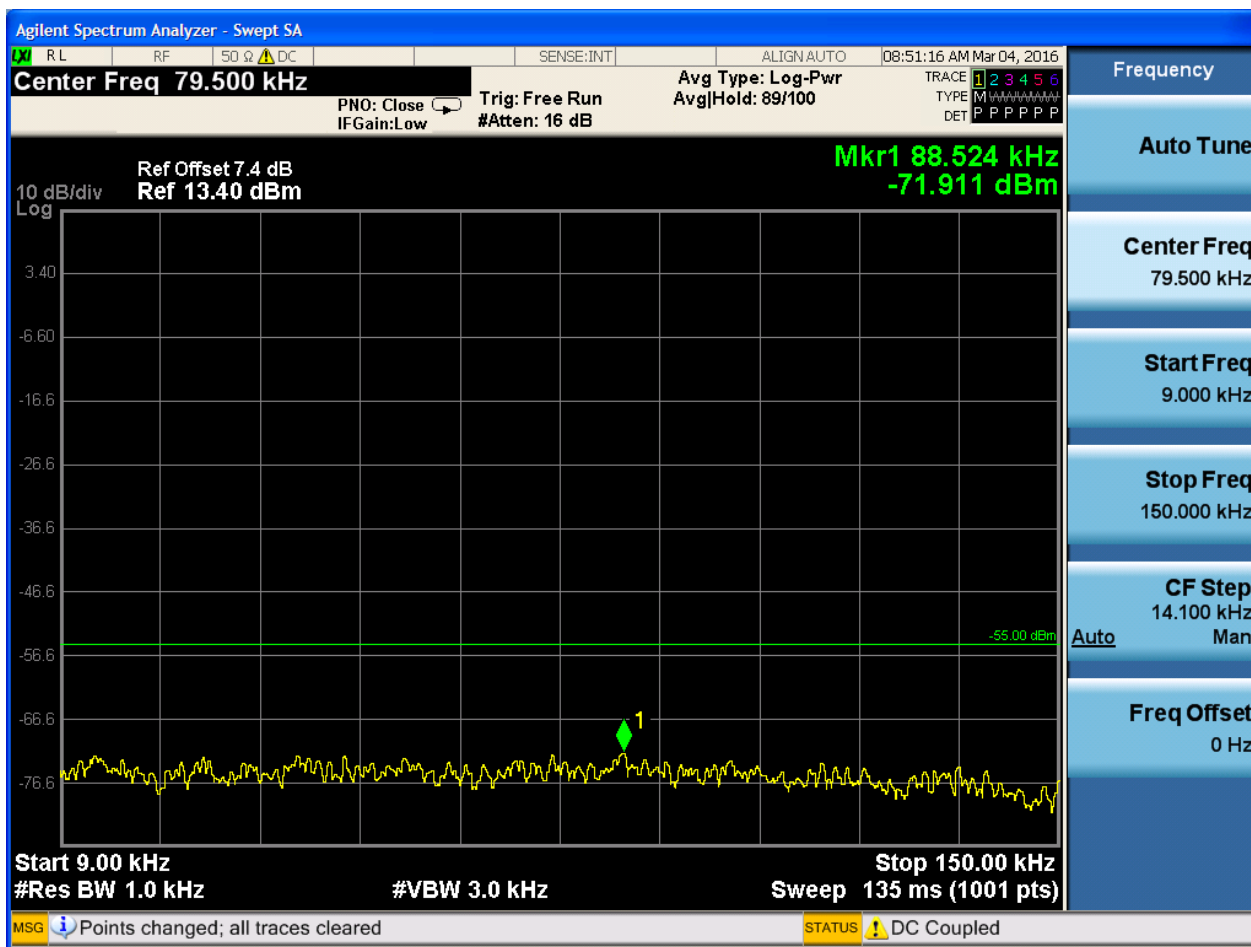


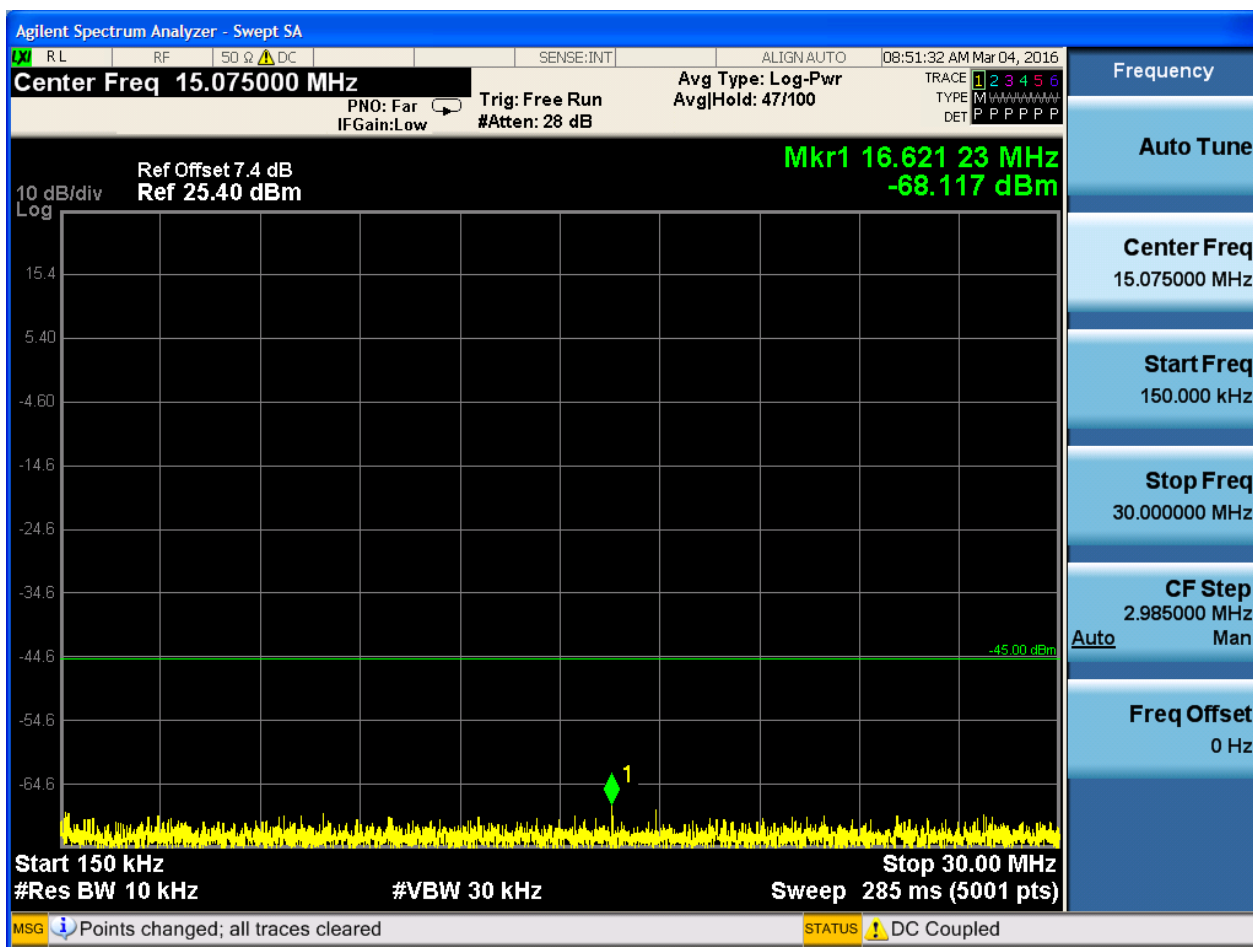
6.1.1.2 Test Mode = LTE/TM2

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

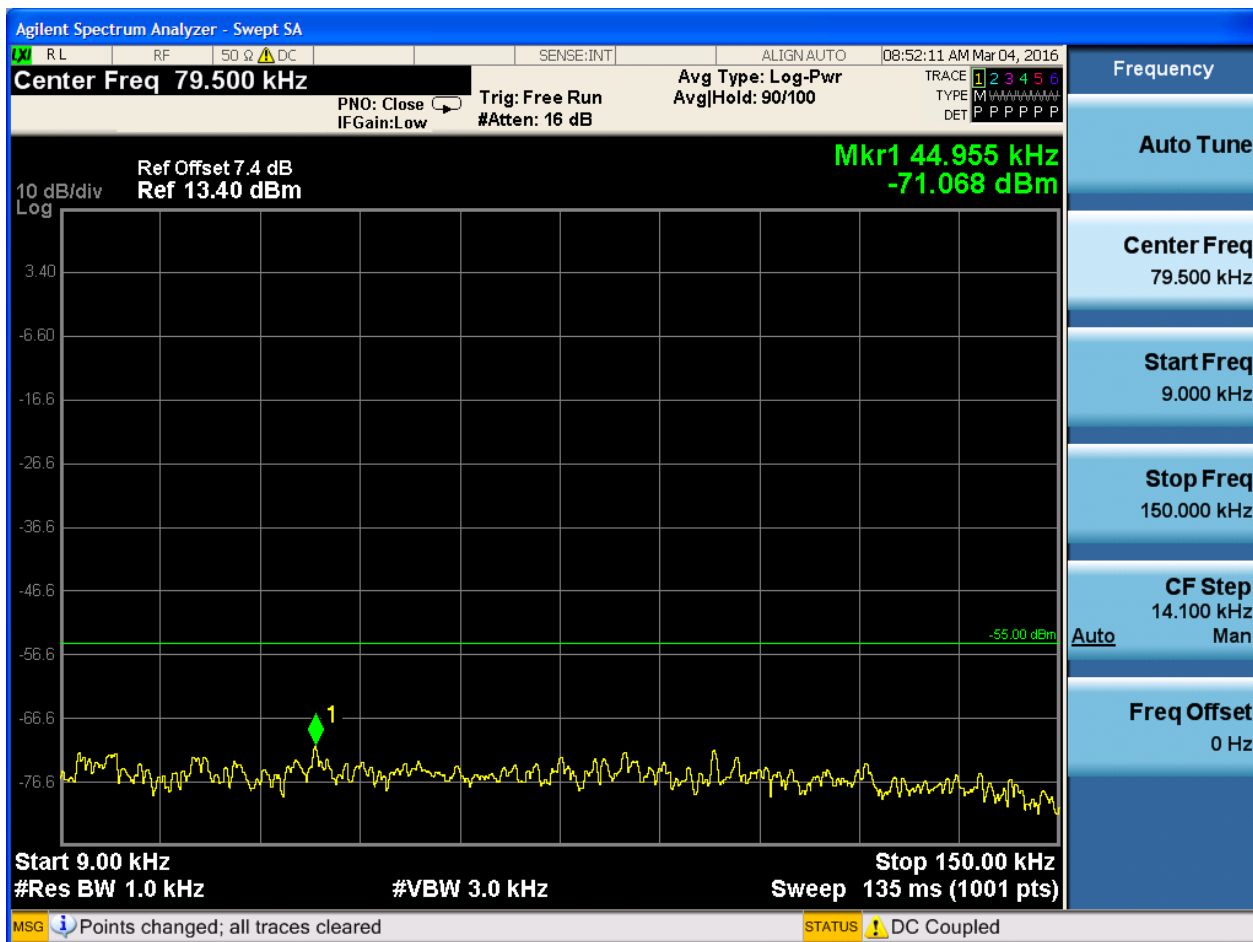






6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





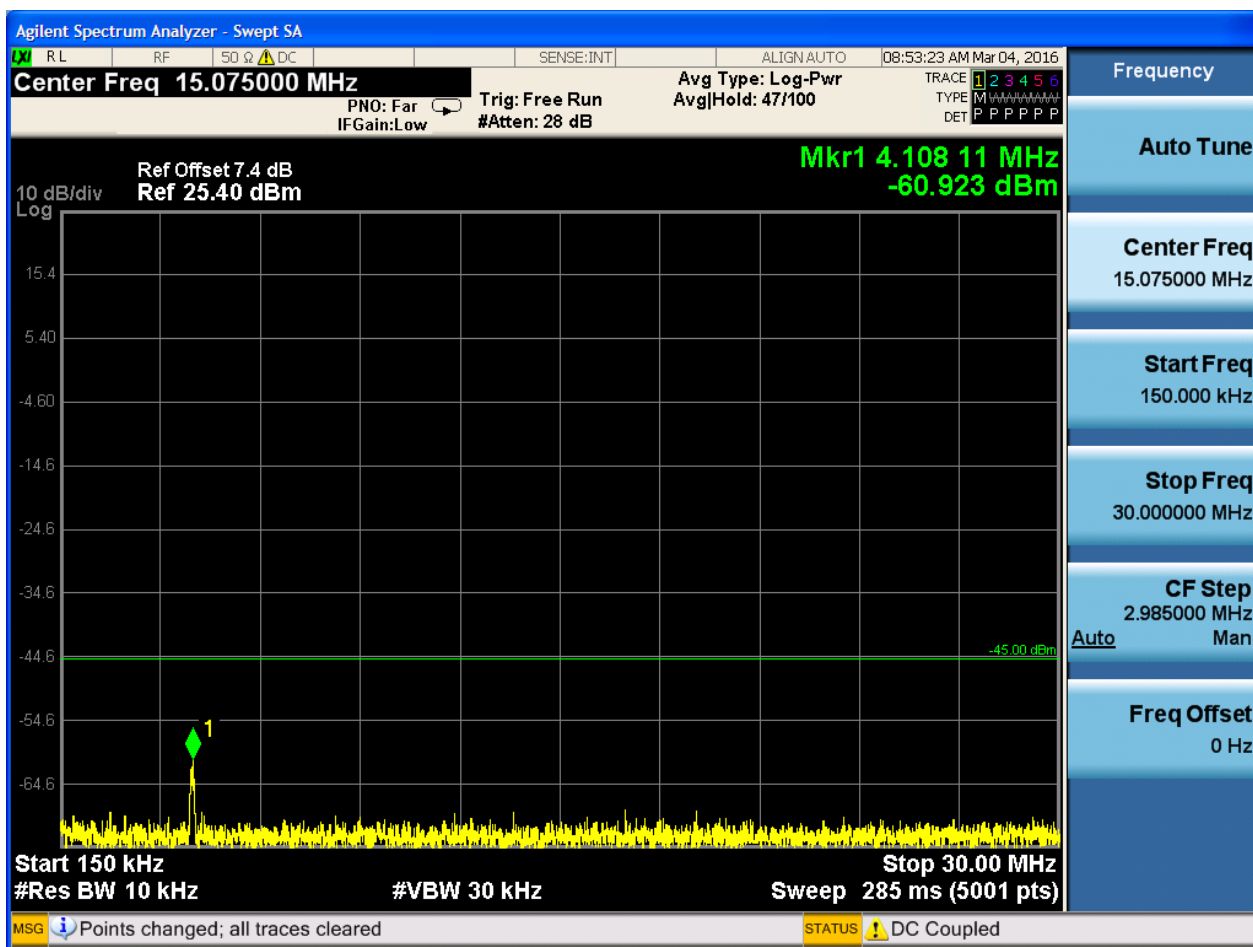


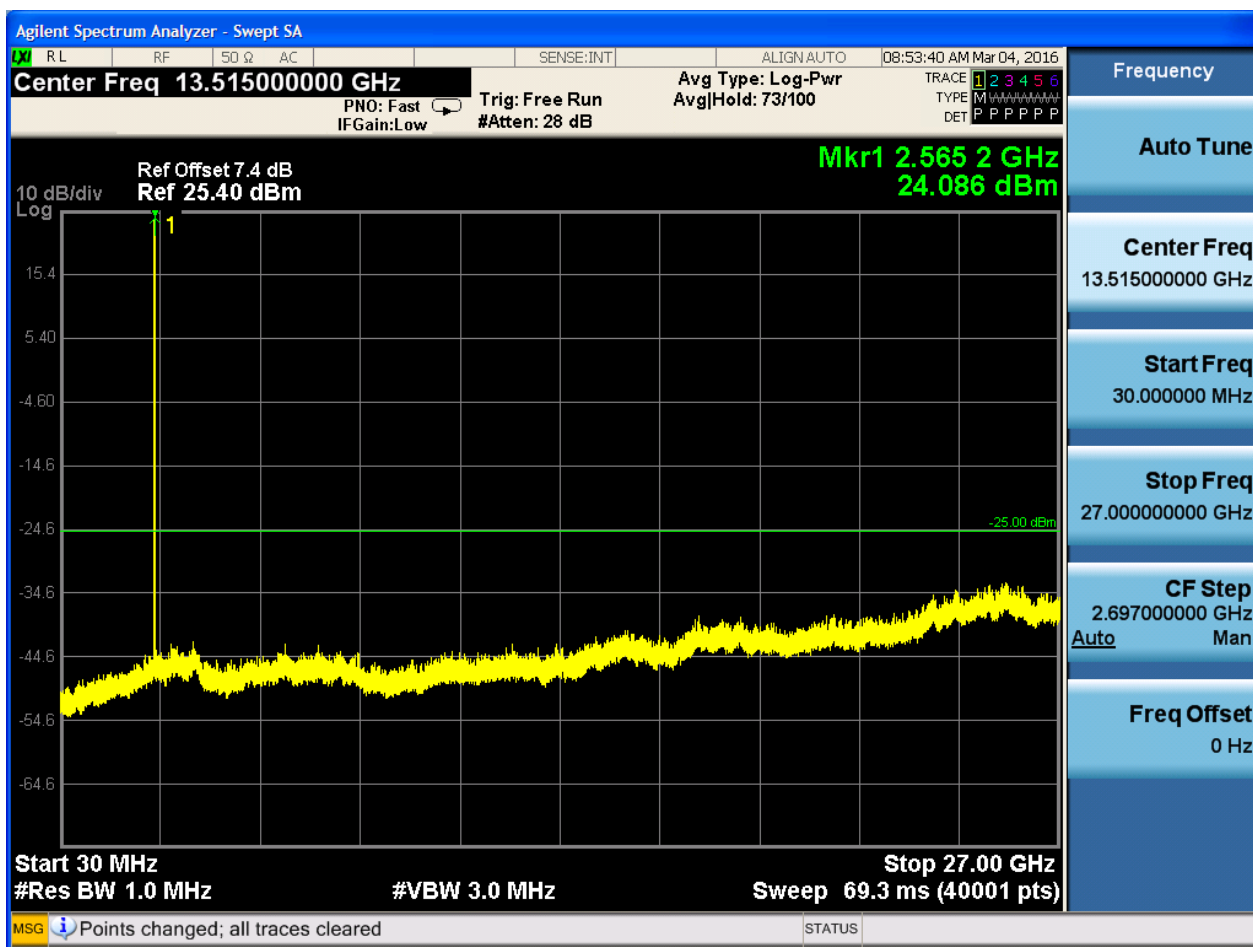


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





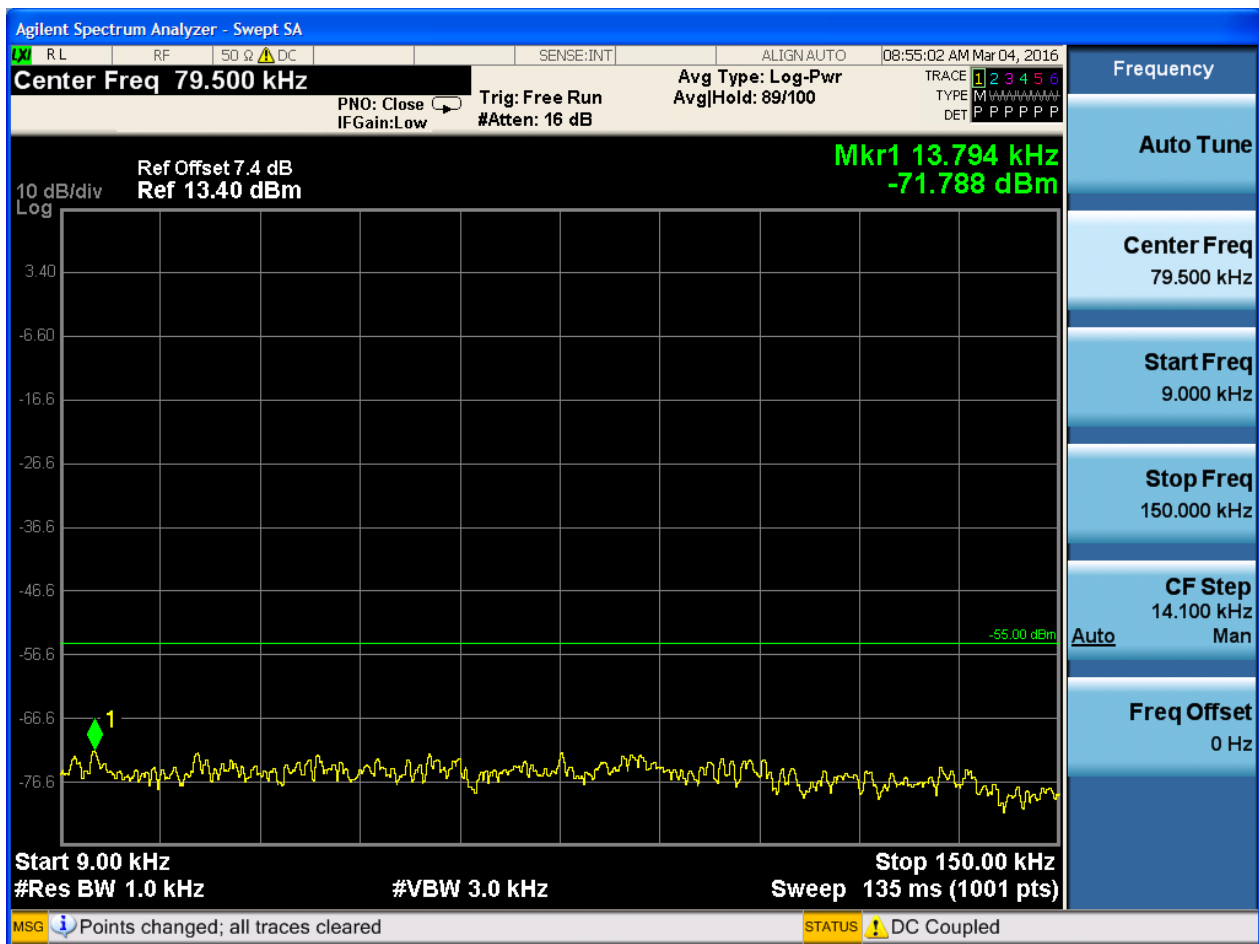


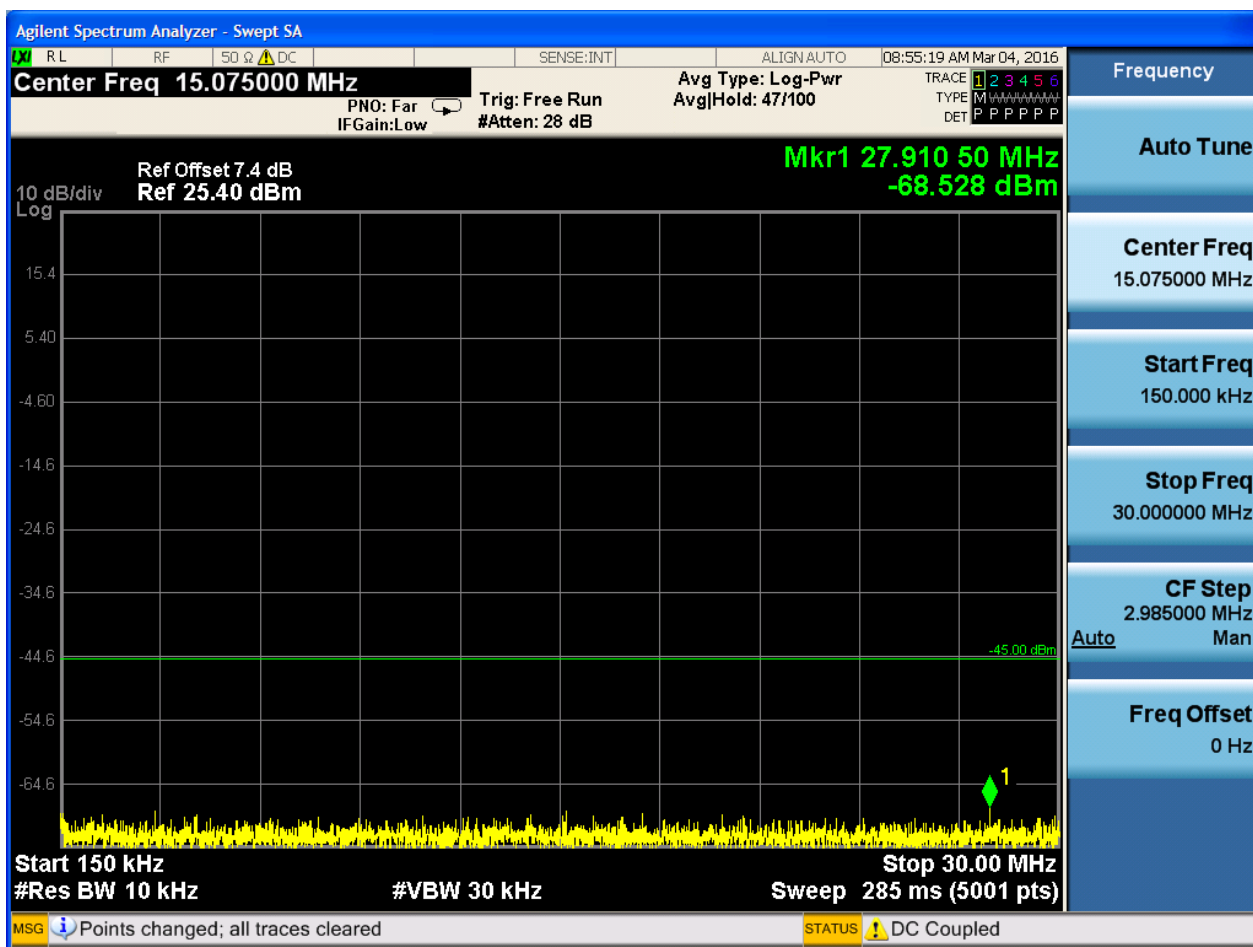


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

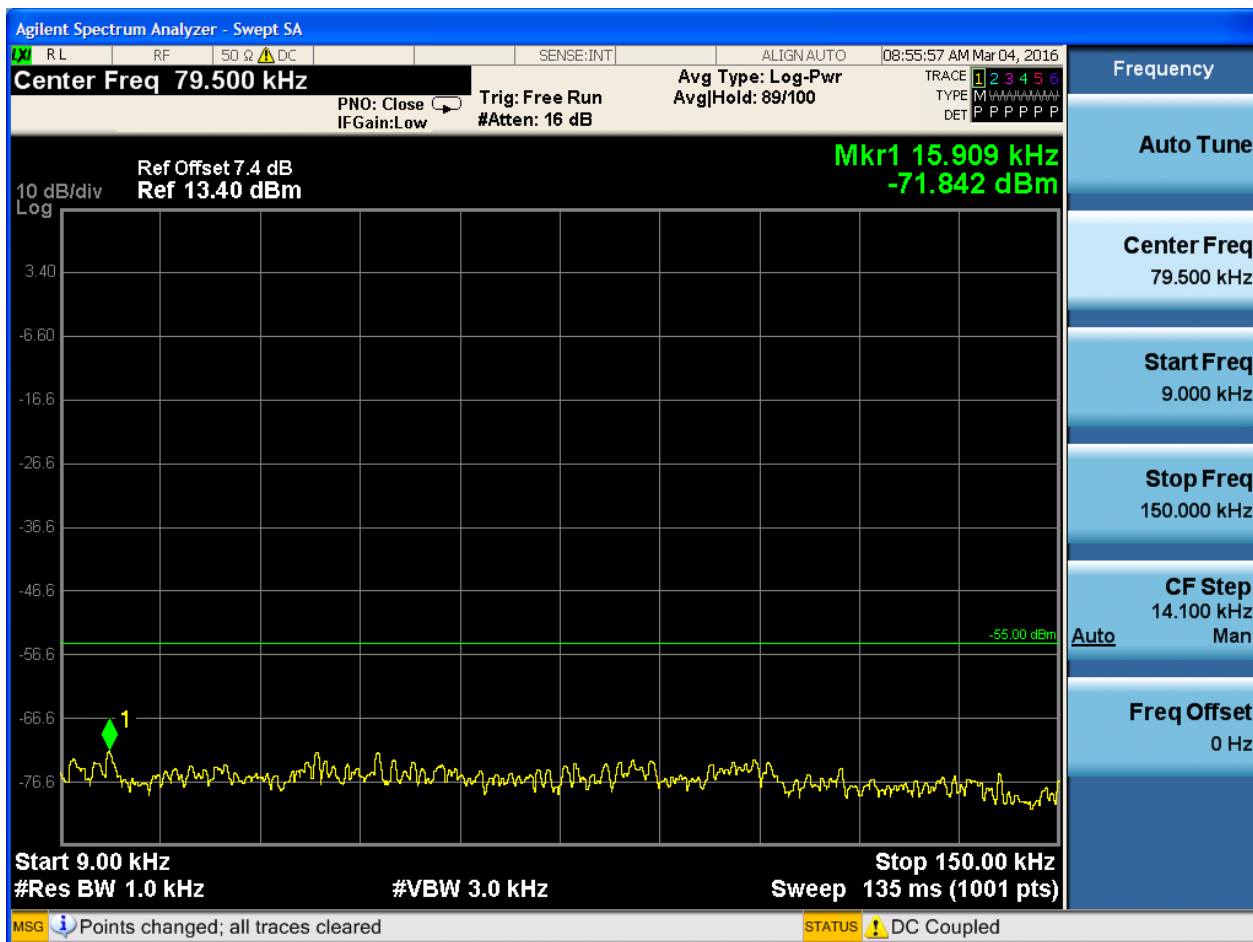






6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

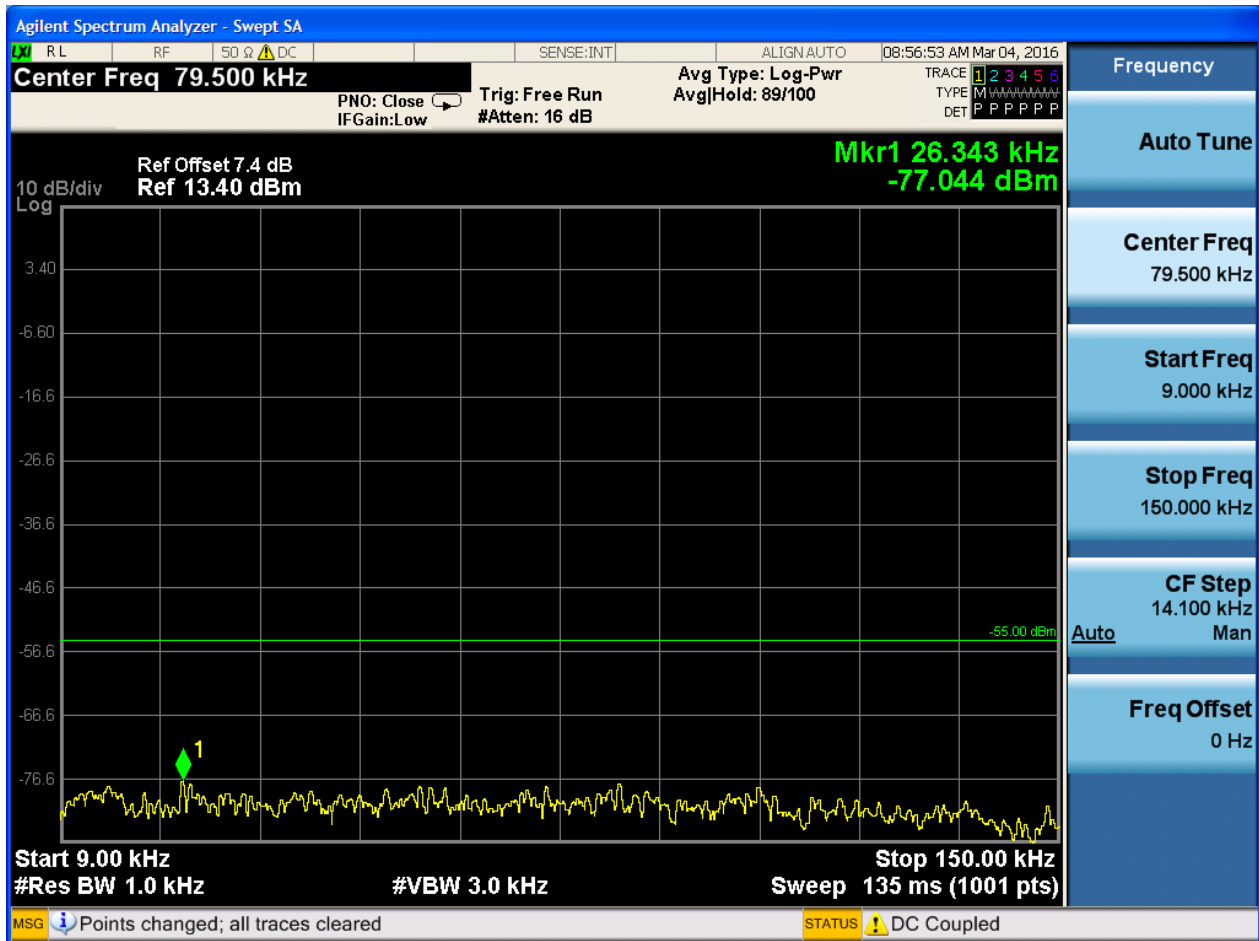




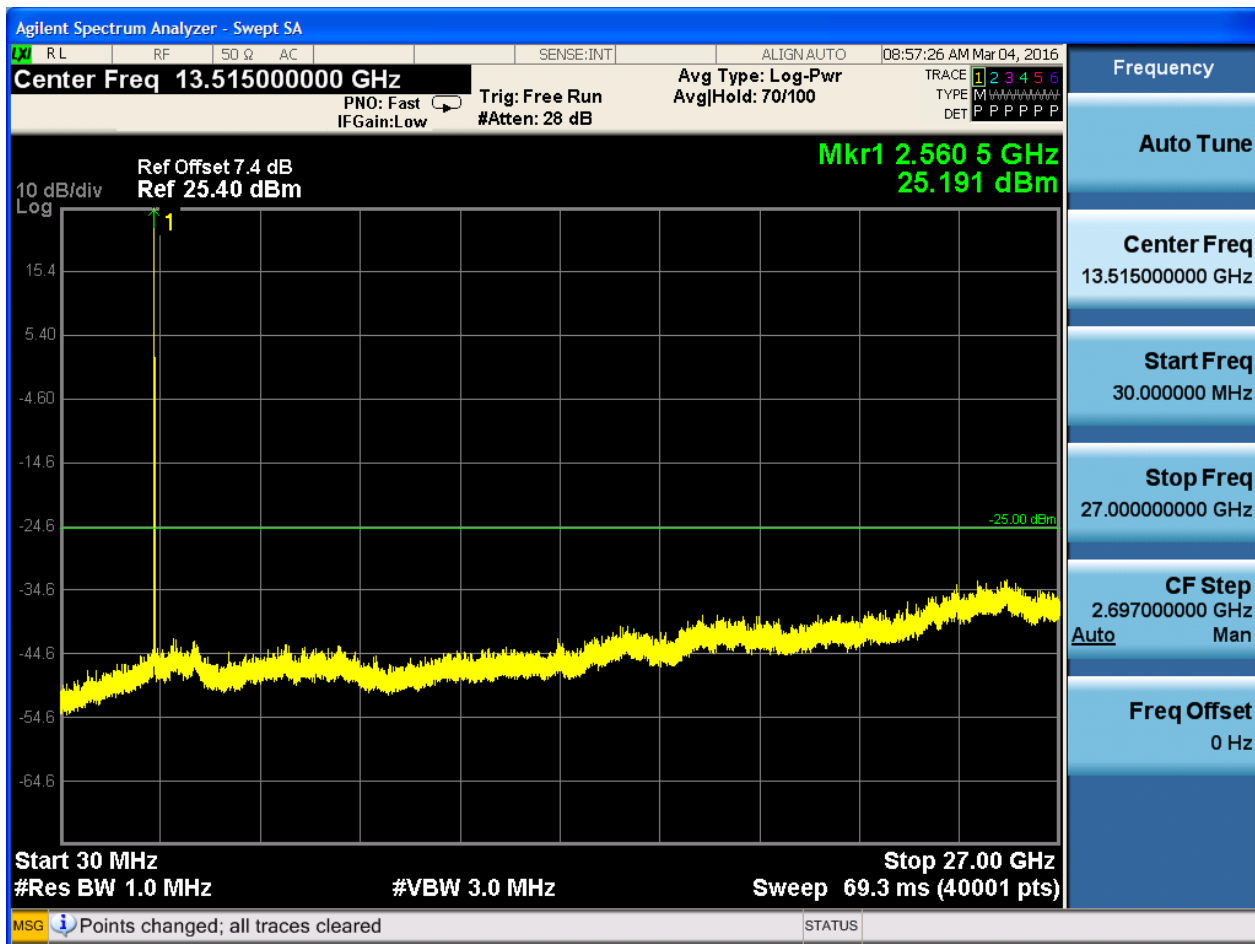


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



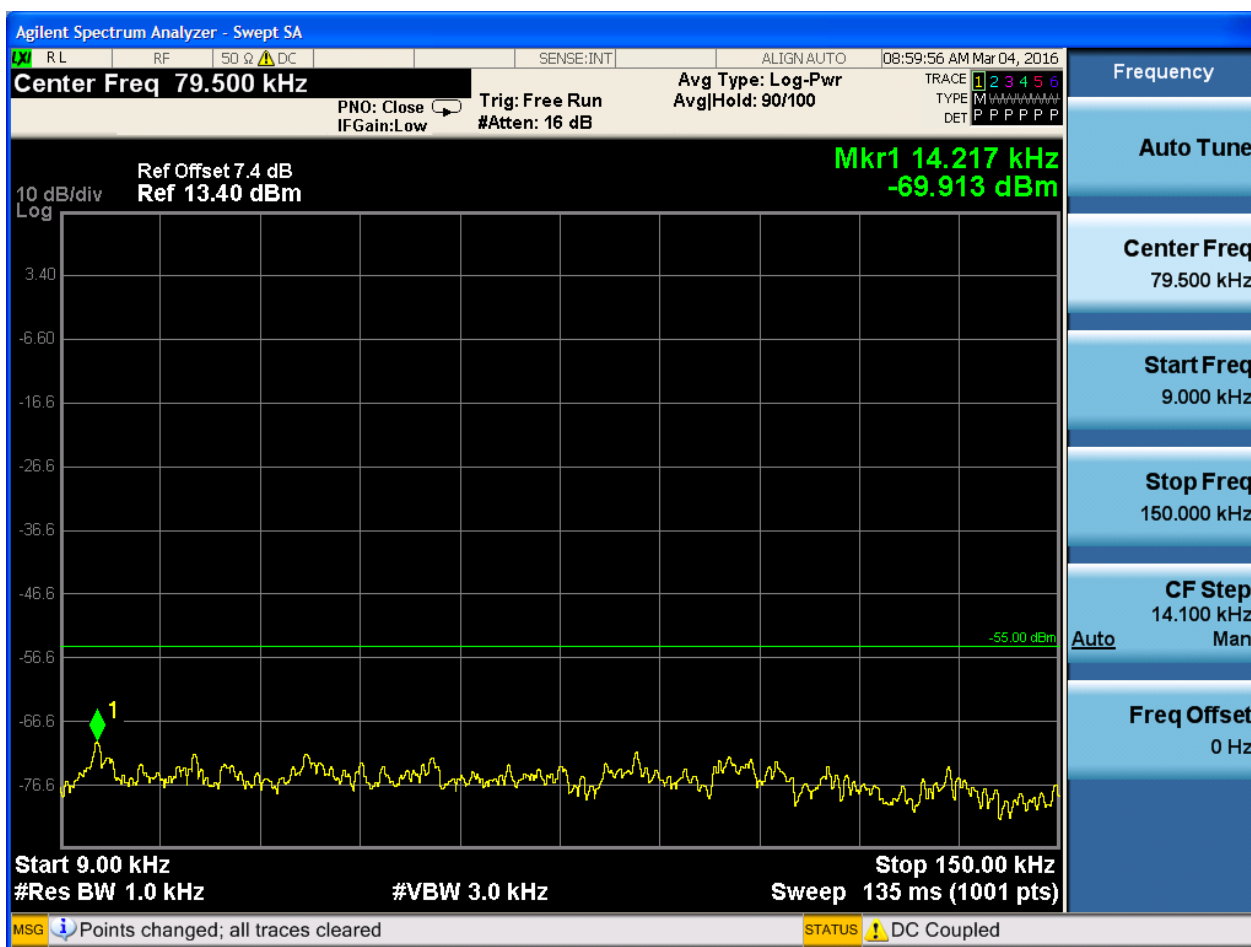




6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

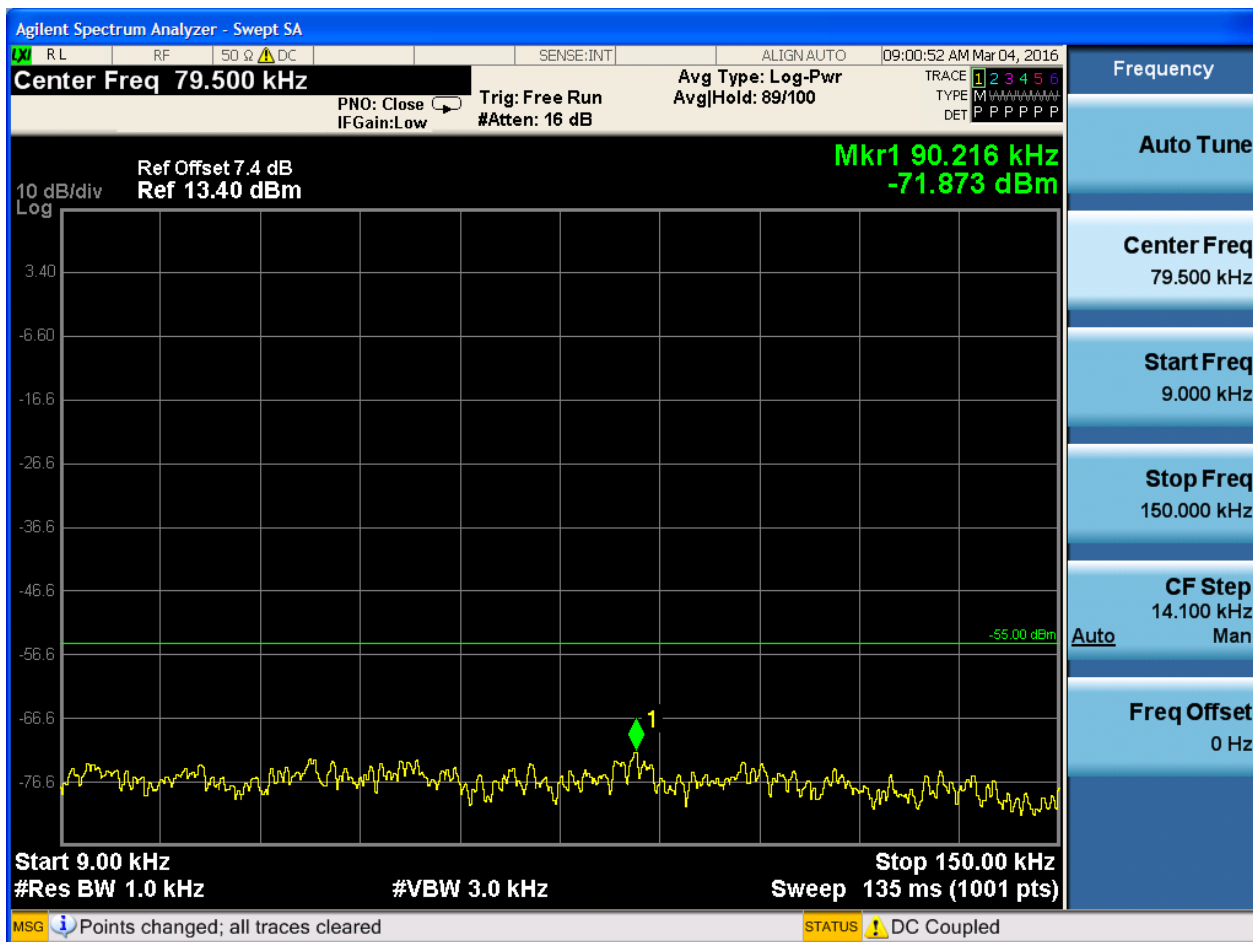


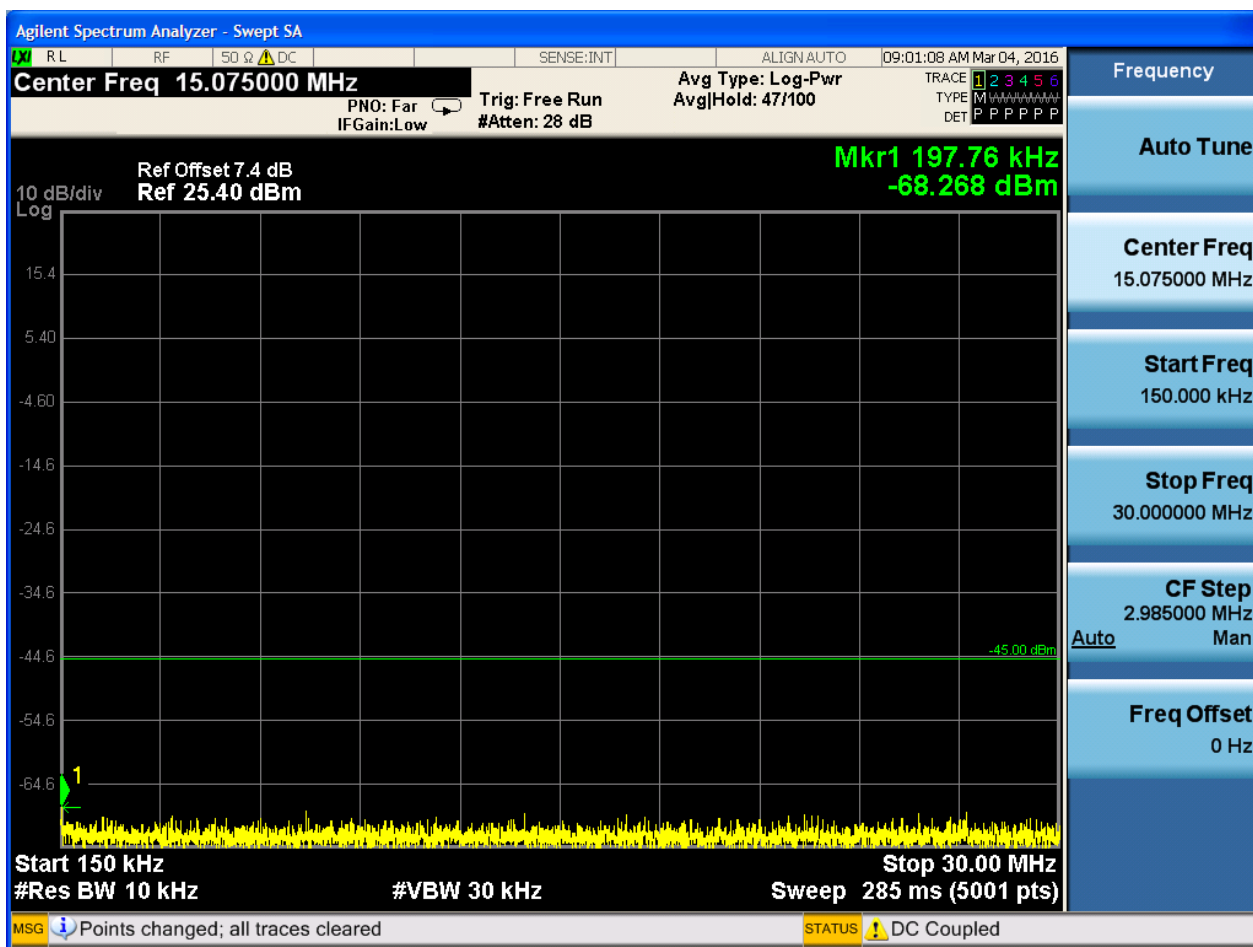




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

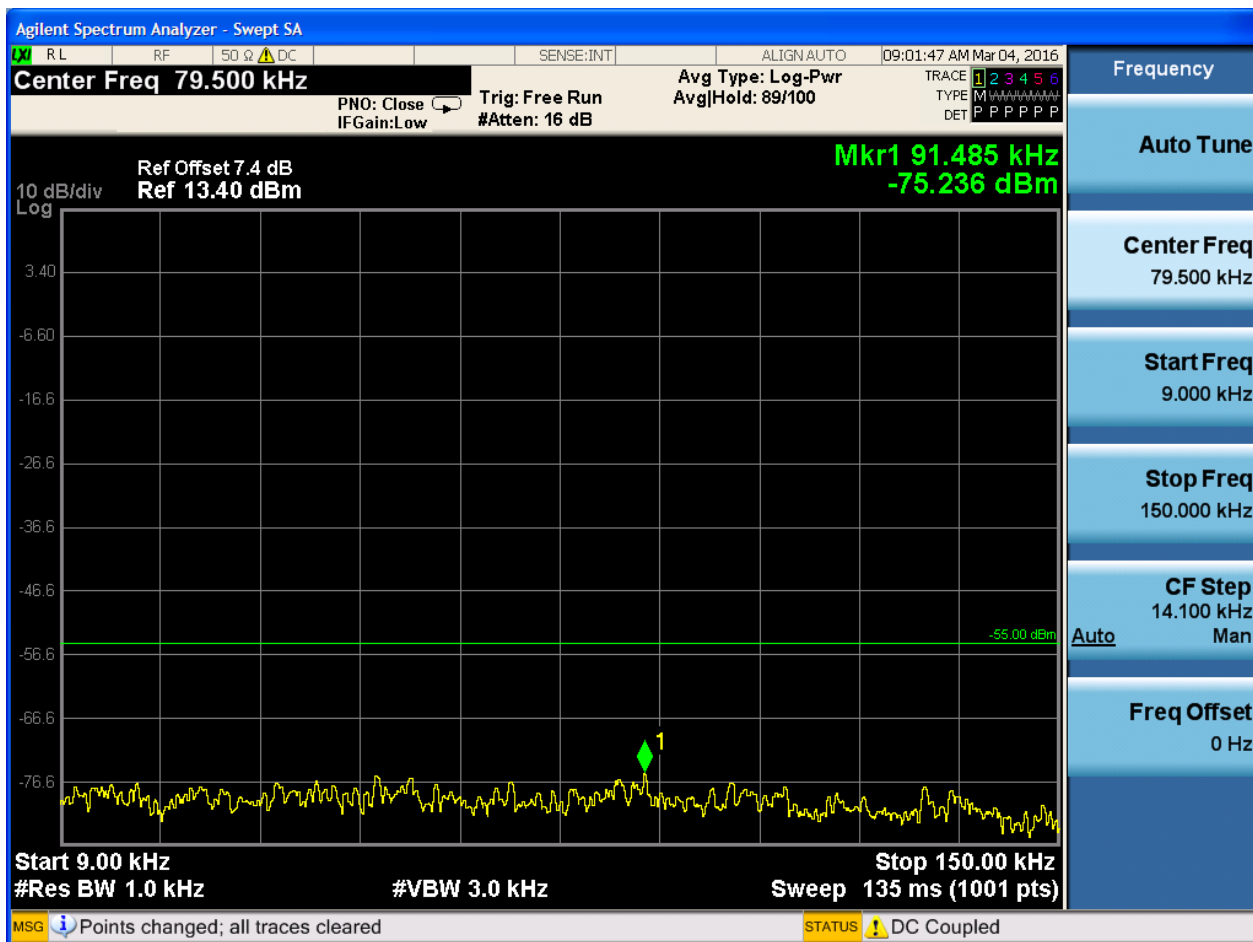


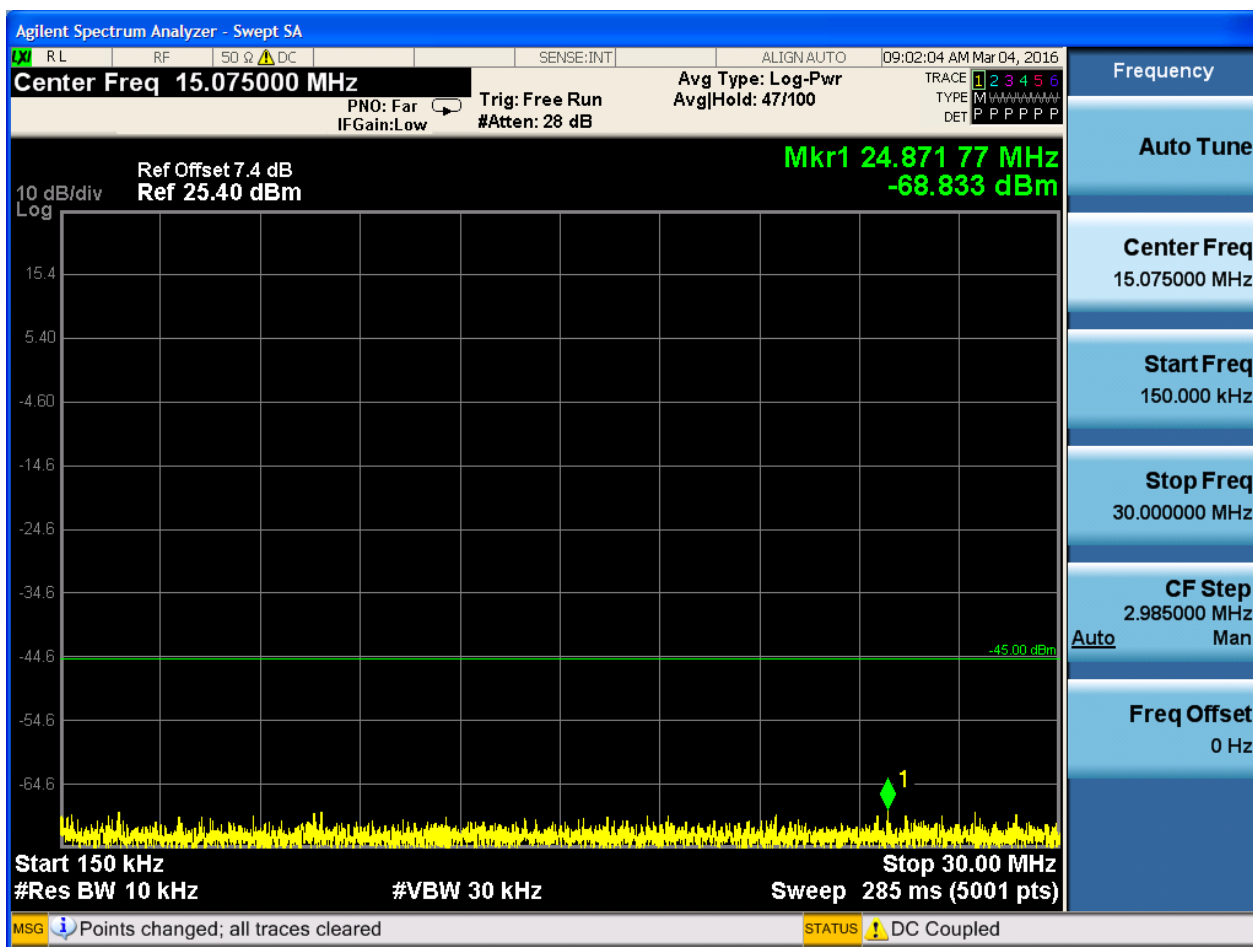




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





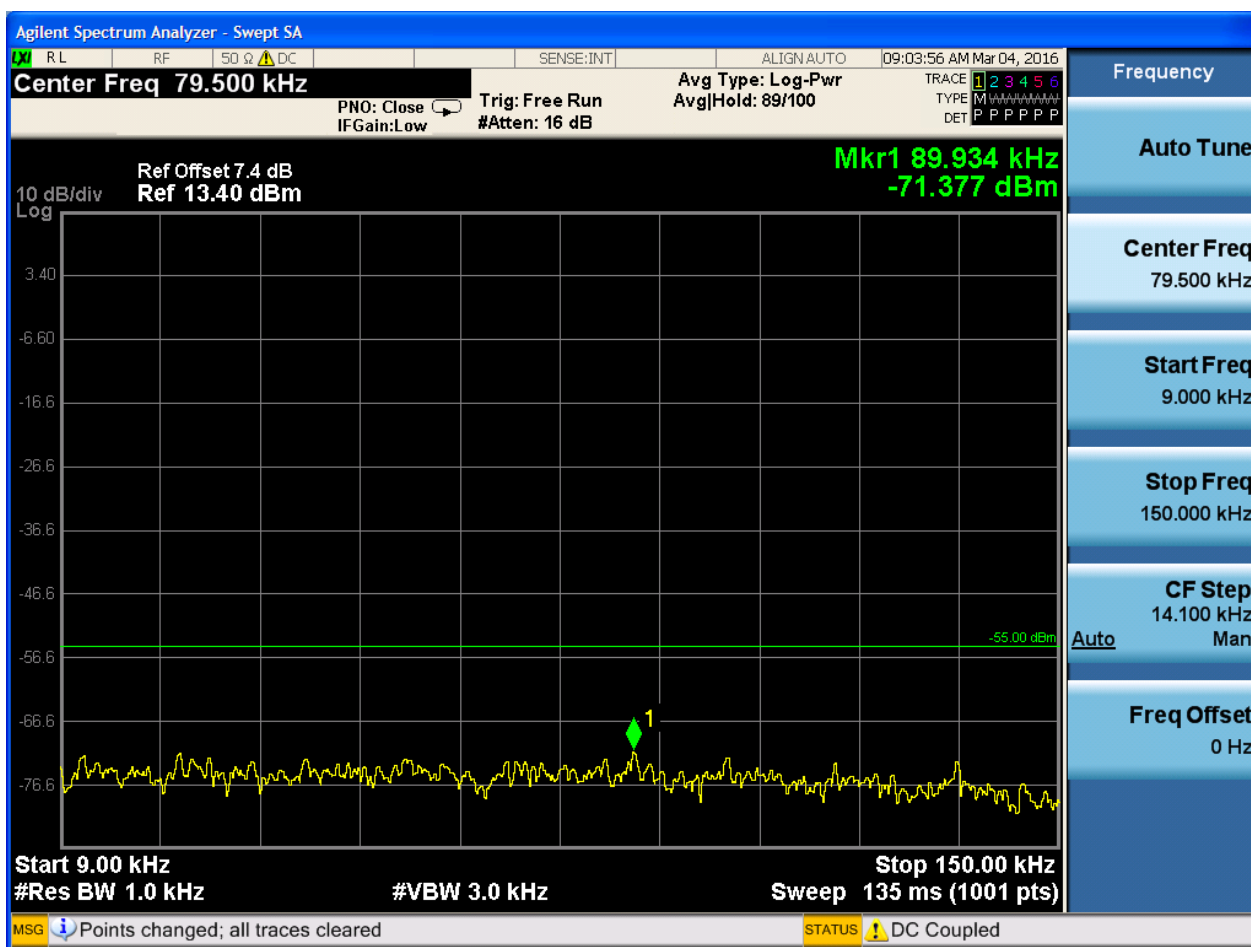


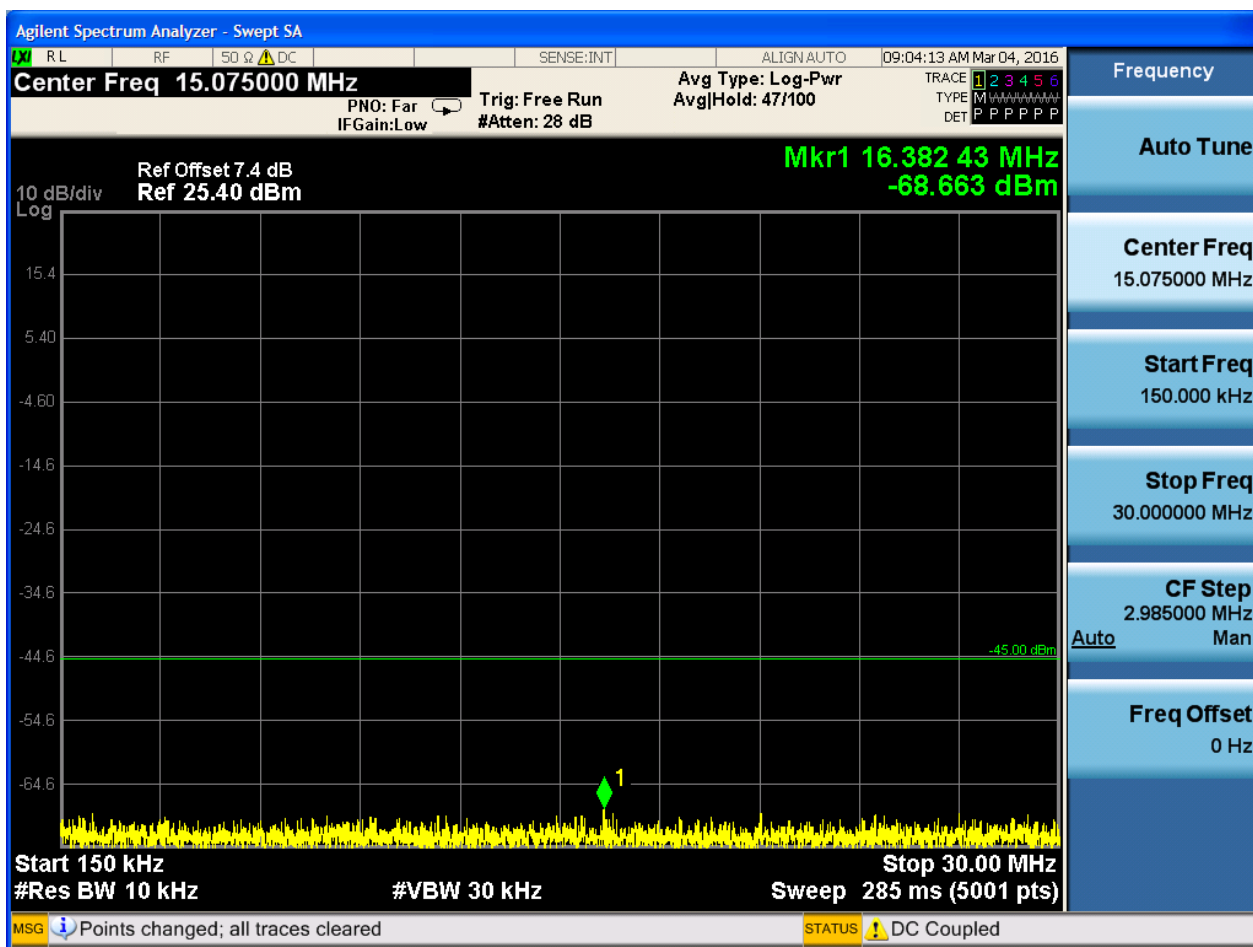


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



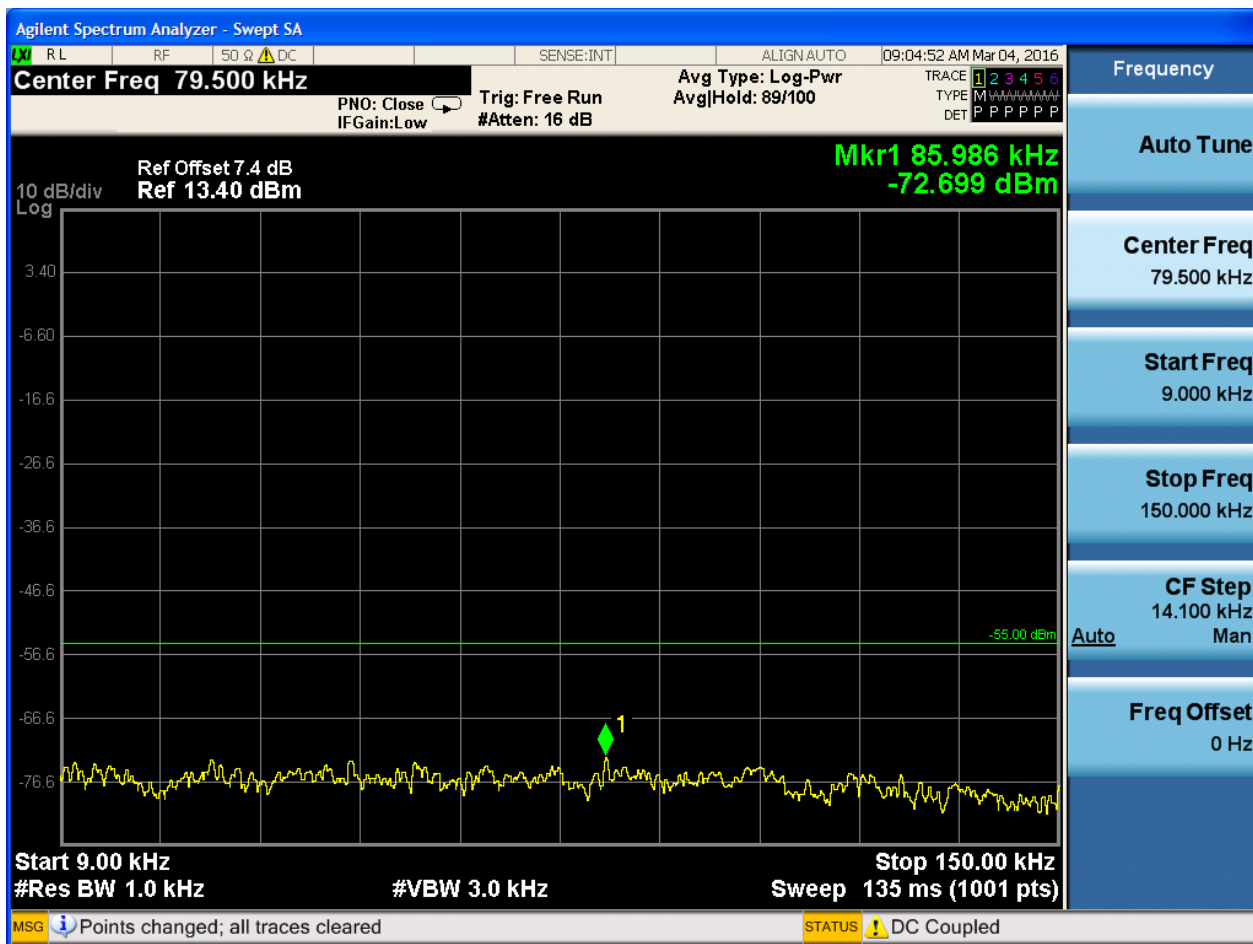






6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

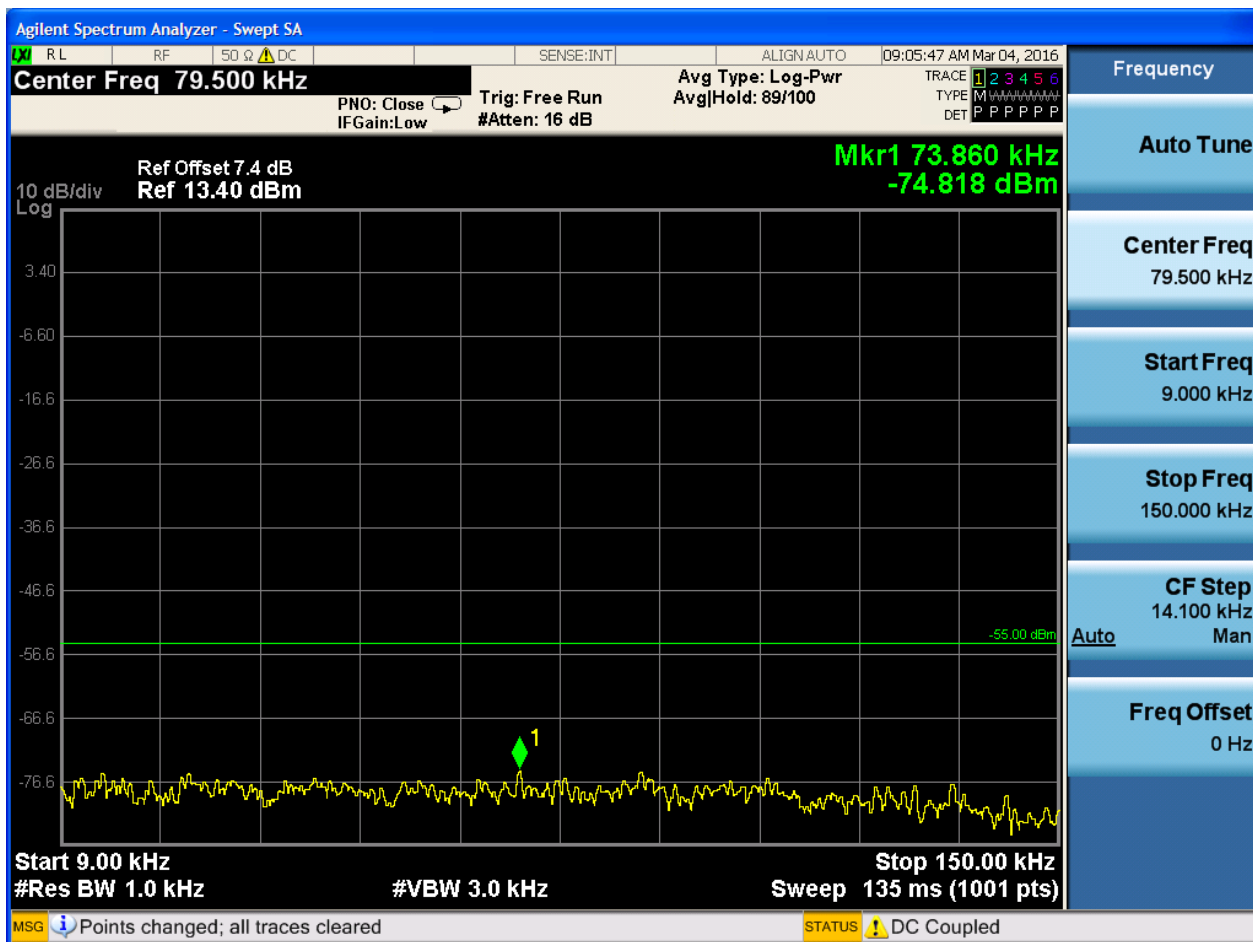


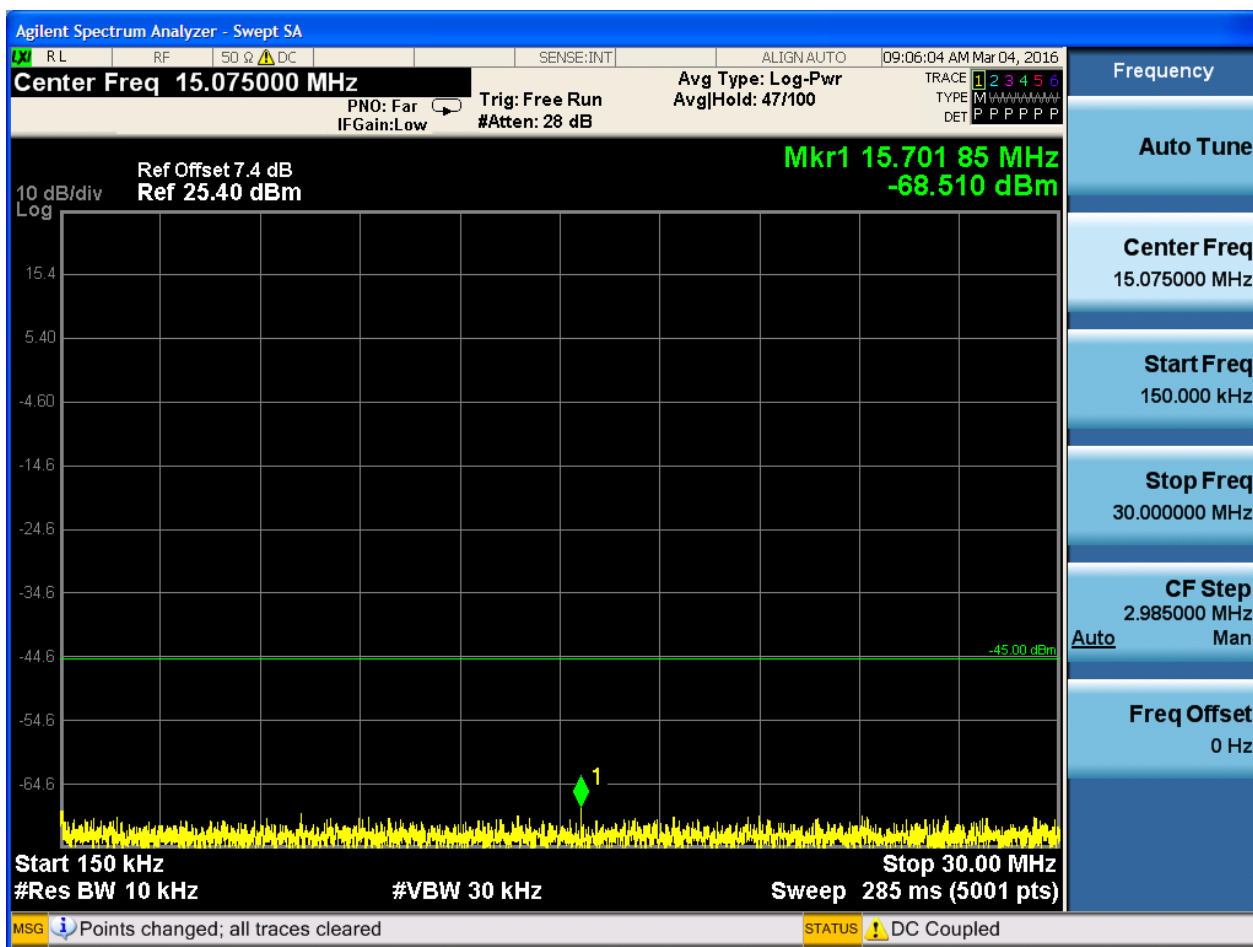




6.1.1.2.4.3 Test Channel = HCH

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

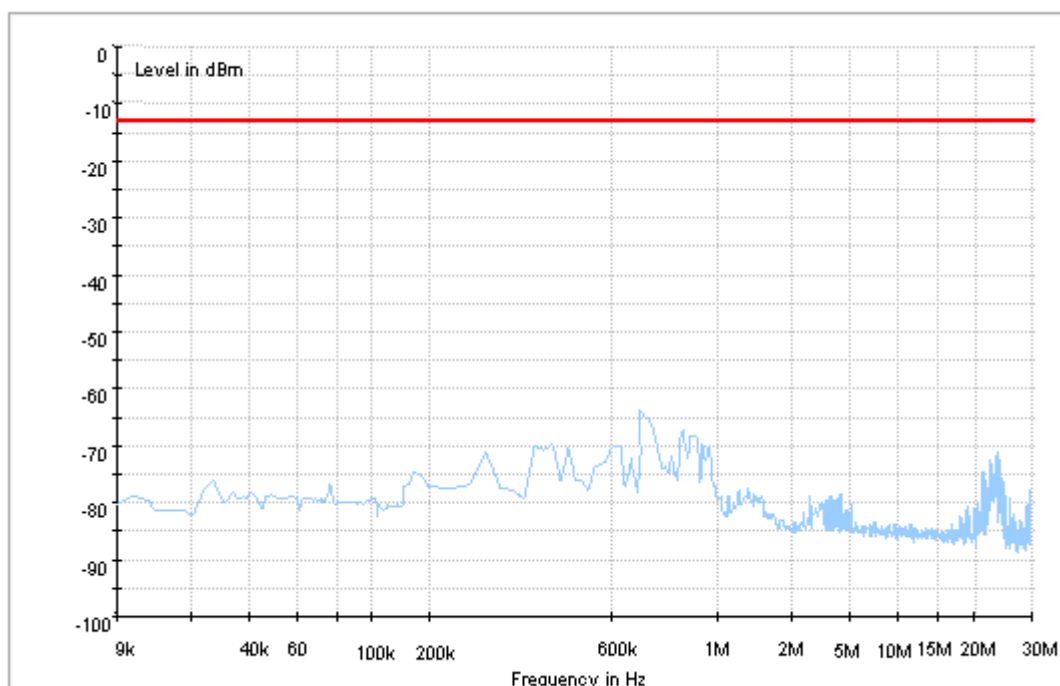
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

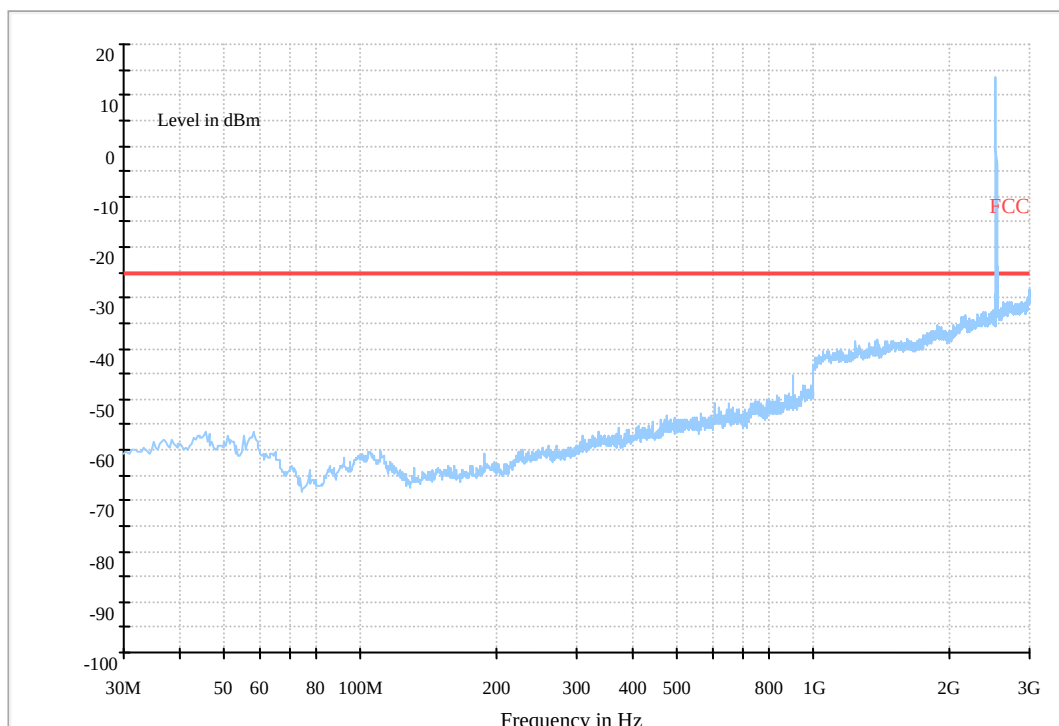
7.1 For LTE

7.1.1 Test Band = BAND7

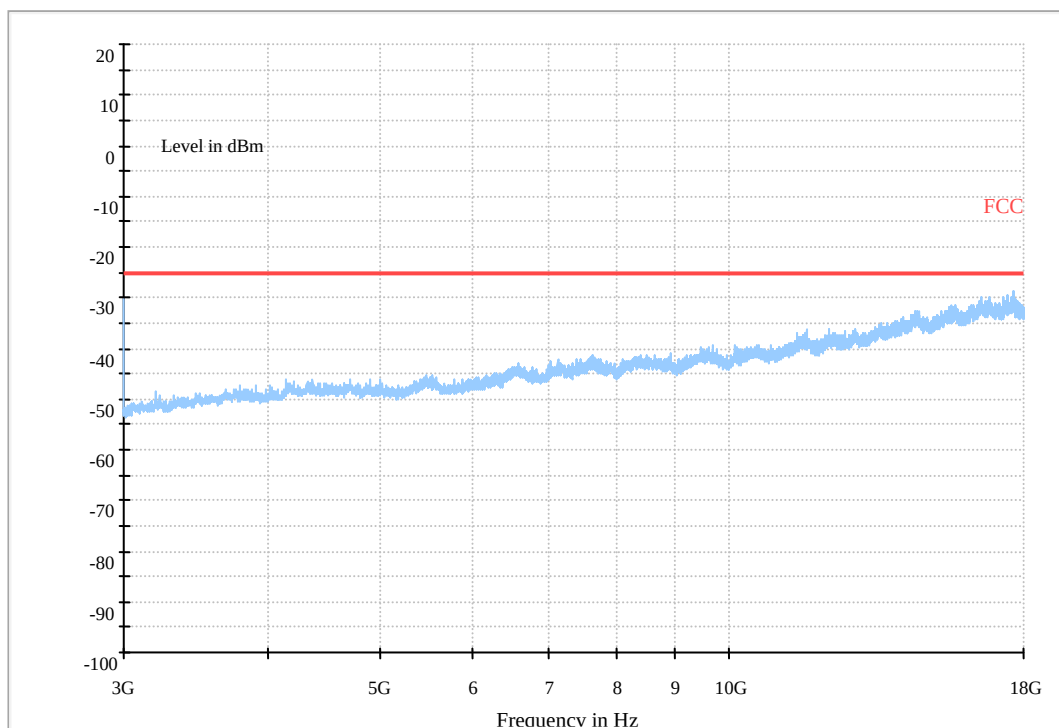
7.1.1.1 Test Bandwidth = 5

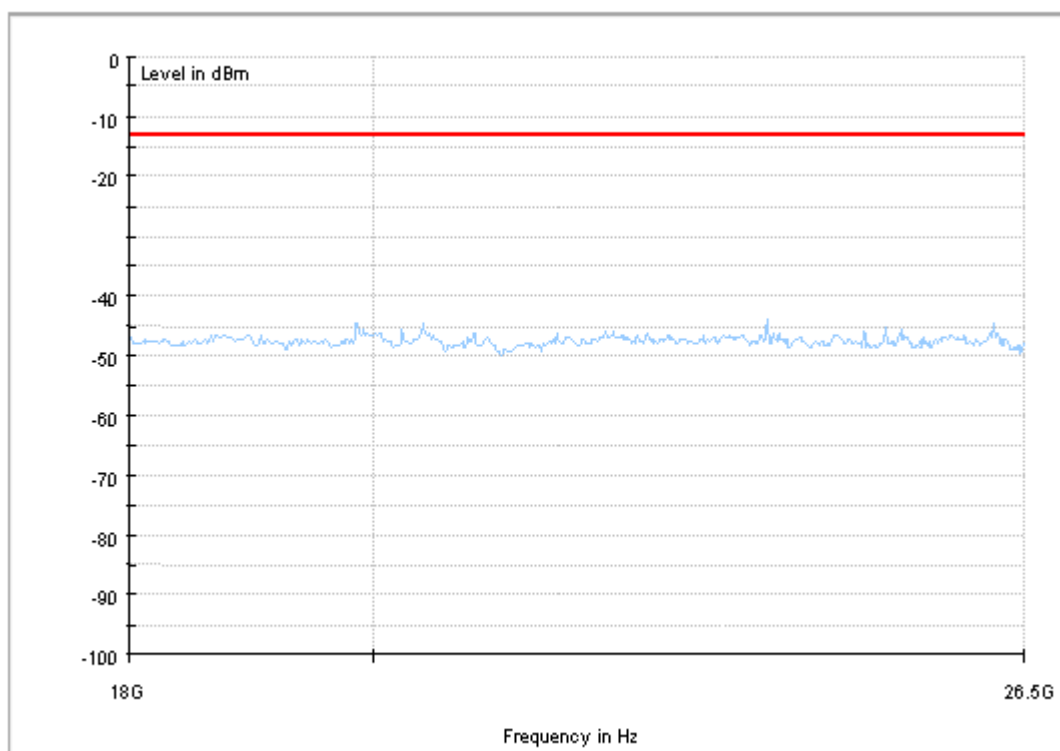


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

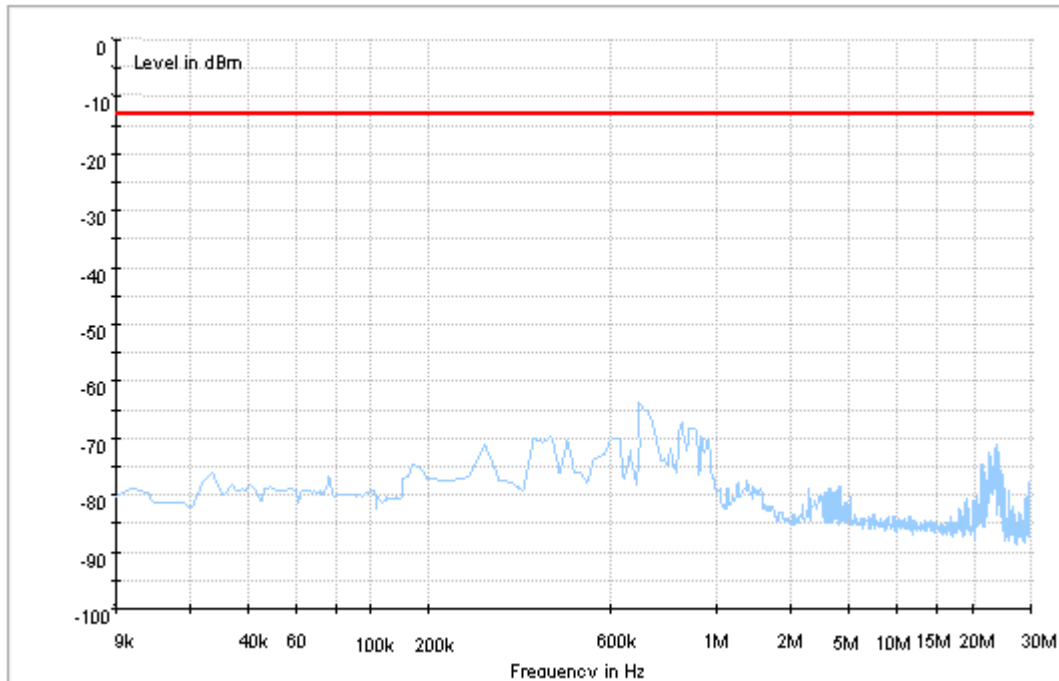


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

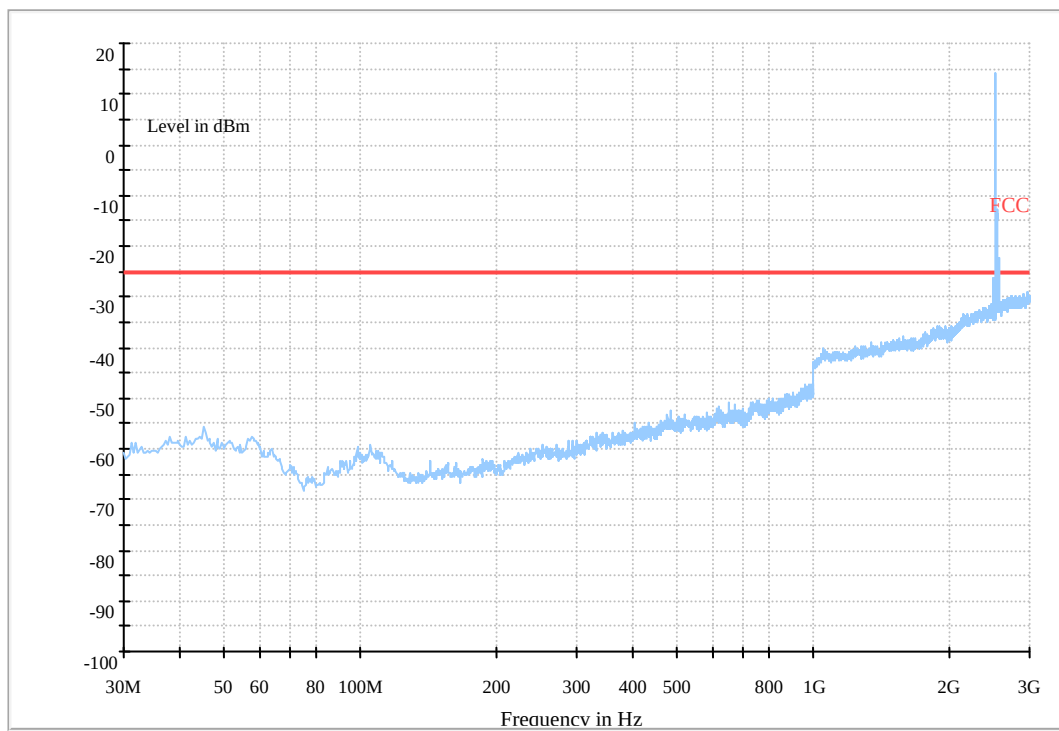




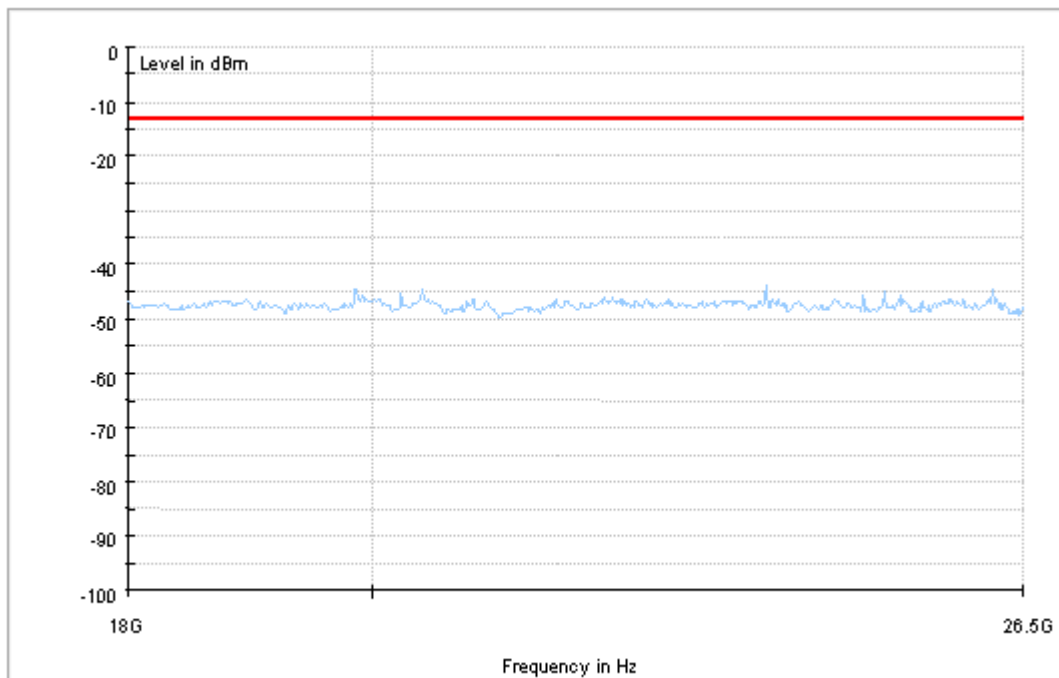
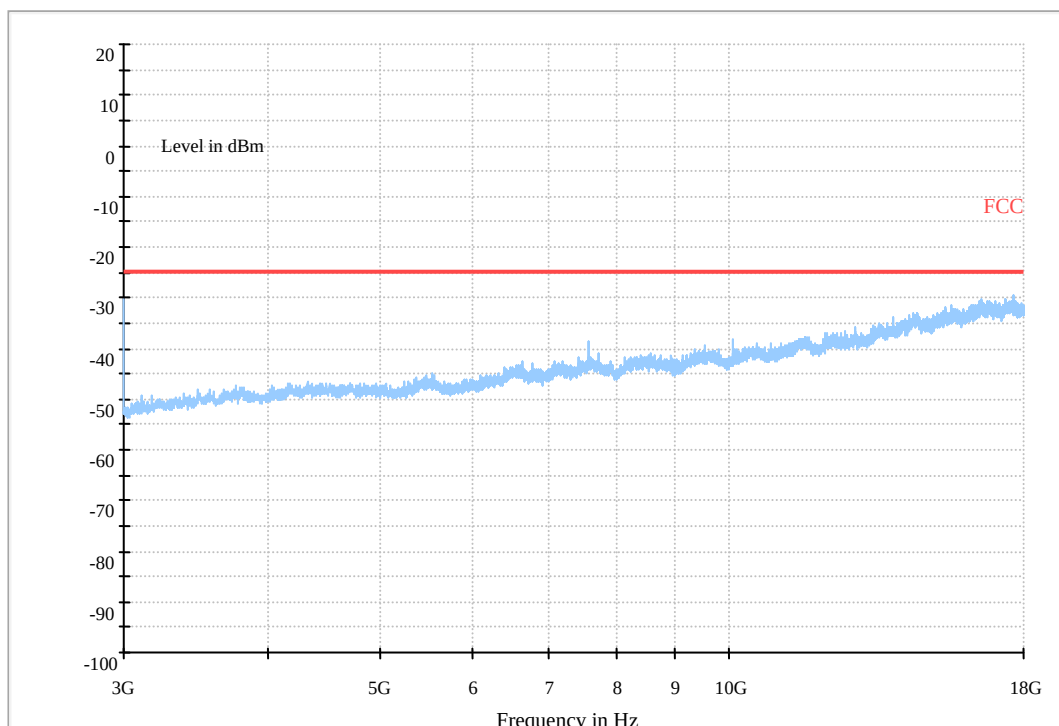
7.1.1.2 Test Bandwidth = 20



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

8.1.1 Frequency 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	-20.59	-0.00823	PASS
					VN	-11.7	-0.00468	PASS
					VH	-2.53	-0.00101	PASS
			MCH	TN	VL	0.09	0.00004	PASS
					VN	-0.24	-0.00009	PASS
					VH	-9.77	-0.00385	PASS
			HCH	TN	VL	-0.26	-0.0001	PASS
					VN	-11.32	-0.00441	PASS
					VH	-4.81	-0.00187	PASS
		10	LCH	TN	VL	8.68	0.00347	PASS
					VN	1.16	0.00046	PASS
					VH	-0.24	-0.0001	PASS
			MCH	TN	VL	-15.13	-0.00597	PASS
					VN	4.68	0.00185	PASS
					VH	5.54	0.00219	PASS
			HCH	TN	VL	0.93	0.00036	PASS
					VN	-7.7	-0.003	PASS
					VH	-5.76	-0.00225	PASS
		15	LCH	TN	VL	2.39	0.00095	PASS
					VN	3.59	0.00143	PASS
					VH	0.49	0.0002	PASS
			MCH	TN	VL	0.99	0.00039	PASS
					VN	2.76	0.00109	PASS
					VH	-2.68	-0.00106	PASS
			HCH	TN	VL	-7.78	-0.00304	PASS
					VN	-6.49	-0.00253	PASS
					VH	-3.46	-0.00135	PASS
		20	LCH	TN	VL	-5.19	-0.00207	PASS
					VN	-9.24	-0.00368	PASS
					VH	-15.29	-0.00609	PASS
			MCH	TN	VL	3.66	0.00144	PASS
					VN	-1.34	-0.00053	PASS
					VH	-1.46	-0.00058	PASS
			HCH	TN	VL	-1.29	-0.0005	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	-4.95	-0.00193	PASS
					VH	-4.92	-0.00192	PASS
		5	LCH	TN	VL	-11.22	-0.00448	PASS
					VN	-8.71	-0.00348	PASS
					VH	-6.62	-0.00265	PASS
					VL	-12.07	-0.00476	PASS
			MCH	TN	VN	-11.17	-0.00441	PASS
					VH	-23.49	-0.00927	PASS
					VL	-51.54	-0.02007	PASS
					VN	-38.78	-0.0151	PASS
					VH	-18.8	-0.00732	PASS
			HCH	TN	VL	-5.78	-0.00231	PASS
					VN	-0.92	-0.00037	PASS
					VH	-4.56	-0.00182	PASS
		10	LCH	TN	VL	-3.78	-0.00149	PASS
					VN	-14.36	-0.00566	PASS
					VH	-7.78	-0.00307	PASS
			MCH	TN	VL	-11.17	-0.00435	PASS
					VN	-8.98	-0.0035	PASS
					VH	-2.85	-0.00111	PASS
			HCH	TN	VL	-7.74	-0.00309	PASS
					VN	-6.34	-0.00253	PASS
					VH	-6.15	-0.00245	PASS
		15	LCH	TN	VL	0.11	0.00004	PASS
					VN	-3.16	-0.00125	PASS
					VH	-2.29	-0.0009	PASS
			MCH	TN	VL	-5.19	-0.00203	PASS
					VN	-4.89	-0.00191	PASS
					VH	-8.85	-0.00345	PASS
			HCH	TN	VL	2.02	0.0008	PASS
					VN	2.57	0.00102	PASS
					VH	-2.35	-0.00094	PASS
		20	LCH	TN	VL	-8.33	-0.00329	PASS
					VN	1.39	0.00055	PASS
					VH	-6.21	-0.00245	PASS
			MCH	TN	VL	-8.97	-0.0035	PASS
					VN	-7.02	-0.00274	PASS
					VH	-8.25	-0.00322	PASS
			HCH	TN	VL	-8.97	-0.0035	PASS
					VN	-7.02	-0.00274	PASS
					VH	-8.25	-0.00322	PASS
					VH	-8.25	-0.00322	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Tem.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	-10.77	-0.0043	PASS
					-20	-20.57	-0.00822	PASS
					-10	-6.95	-0.00278	PASS
					0	1.24	0.0005	PASS
					10	-8.44	-0.00337	PASS
					20	-10.09	-0.00403	PASS
					30	-16.65	-0.00665	PASS
					40	-3.1	-0.00124	PASS
					50	-21.29	-0.00851	PASS
			MCH	VN	-30	-33.93	-0.01338	PASS
					-20	0.6	0.00024	PASS
					-10	-9.38	-0.0037	PASS
					0	-3.5	-0.00138	PASS
					10	-12.63	-0.00498	PASS
					20	-14.16	-0.00559	PASS
					30	-28.21	-0.01113	PASS
					40	-5.74	-0.00226	PASS
					50	-3.35	-0.00132	PASS
			HCH	VN	-30	-28.1	-0.01094	PASS
					-20	-41.01	-0.01597	PASS
					-10	-38.04	-0.01482	PASS
					0	-29.2	-0.01137	PASS
					10	-10.01	-0.0039	PASS
					20	-24.29	-0.00946	PASS
					30	-20.07	-0.00782	PASS
					40	-19.78	-0.0077	PASS
					50	-18.57	-0.00723	PASS
		10	LCH	VN	-30	-9.68	-0.00386	PASS
					-20	-5.51	-0.0022	PASS
					-10	-13.52	-0.0054	PASS
					0	-15.66	-0.00625	PASS
					10	-11.24	-0.00449	PASS
					20	-3.65	-0.00146	PASS
					30	-15.88	-0.00634	PASS
					40	-1.67	-0.00067	PASS
					50	-11.93	-0.00476	PASS
			MCH	VN	-30	-5.61	-0.00221	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Tem.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-13.6	-0.00536	PASS
					-10	-7.15	-0.00282	PASS
					0	-1.73	-0.00068	PASS
					10	-14.06	-0.00555	PASS
					20	-3.32	-0.00131	PASS
					30	-4.23	-0.00167	PASS
					40	-6.09	-0.0024	PASS
					50	-2.56	-0.00101	PASS
			HCH	VN	-30	-8.78	-0.00342	PASS
					-20	-6.78	-0.00264	PASS
					-10	-9.96	-0.00388	PASS
					0	-5.56	-0.00217	PASS
					10	-12.92	-0.00504	PASS
					20	-9.36	-0.00365	PASS
					30	-17.02	-0.00664	PASS
					40	-6.28	-0.00245	PASS
					50	-6.78	-0.00264	PASS
		15	LCH	VN	-30	2.19	0.00087	PASS
					-20	-0.06	-0.00002	PASS
					-10	2.92	0.00116	PASS
					0	-0.82	-0.00033	PASS
					10	-4.39	-0.00175	PASS
					20	-5.36	-0.00214	PASS
					30	3.09	0.00123	PASS
					40	-4.06	-0.00162	PASS
					50	-2.76	-0.0011	PASS
			MCH	VN	-30	-4.01	-0.00158	PASS
					-20	3.35	0.00132	PASS
					-10	2.09	0.00082	PASS
					0	-7.34	-0.0029	PASS
					10	-5.09	-0.00201	PASS
					20	-7.72	-0.00305	PASS
					30	1.86	0.00073	PASS
					40	-0.92	-0.00036	PASS
					50	6.39	0.00252	PASS
			HCH	VN	-30	-10.44	-0.00407	PASS
					-20	-9.13	-0.00356	PASS
					-10	-9.33	-0.00364	PASS
					0	-8.13	-0.00317	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Tem.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-9.06	-0.00354	PASS
					20	-4.41	-0.00172	PASS
					30	-1	-0.00039	PASS
					40	-6.09	-0.00238	PASS
					50	-9.33	-0.00364	PASS
		20	LCH	VN	-30	-3.49	-0.00139	PASS
					-20	-2.85	-0.00114	PASS
					-10	0.86	0.00034	PASS
					0	-1.63	-0.00065	PASS
					10	-9.31	-0.00371	PASS
					20	-6.91	-0.00275	PASS
					30	-4.42	-0.00176	PASS
					40	-1.44	-0.00057	PASS
					50	-5.97	-0.00238	PASS
			MCH	VN	-30	1.92	0.00076	PASS
					-20	-2.26	-0.00089	PASS
					-10	-3.19	-0.00126	PASS
					0	-4.15	-0.00164	PASS
					10	0.99	0.00039	PASS
					20	1.27	0.0005	PASS
					30	-2.33	-0.00092	PASS
					40	-5.06	-0.002	PASS
					50	-3.99	-0.00157	PASS
			HCH	VN	-30	0.37	0.00014	PASS
					-20	3.1	0.00121	PASS
					-10	8.74	0.00341	PASS
					0	5.48	0.00214	PASS
					10	4.66	0.00182	PASS
					20	8.83	0.00345	PASS
					30	2.29	0.00089	PASS
					40	5.75	0.00225	PASS
					50	4.58	0.00179	PASS
	LTE/TM2	5	LCH	VN	-30	6.85	0.00274	PASS
					-20	-0.36	-0.00014	PASS
					-10	1.44	0.00058	PASS
					0	-17.42	-0.00696	PASS
					10	-14.68	-0.00587	PASS
					20	-12.82	-0.00512	PASS
					30	-4.52	-0.00181	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Tem.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-13.15	-0.00525	PASS
					50	-1.09	-0.00044	PASS
			MCH	VN	-30	-19.64	-0.00775	PASS
					-20	-10.87	-0.00429	PASS
					-10	-23.67	-0.00934	PASS
					0	-13.35	-0.00527	PASS
					10	-14.33	-0.00565	PASS
					20	-14.25	-0.00562	PASS
					30	-8.27	-0.00326	PASS
					40	-15.11	-0.00596	PASS
					50	-8.43	-0.00333	PASS
			HCH	VN	-30	-21.39	-0.00833	PASS
					-20	-28.3	-0.01102	PASS
					-10	-16.18	-0.0063	PASS
					0	-4.23	-0.00165	PASS
					10	-3.09	-0.0012	PASS
					20	-8.55	-0.00333	PASS
					30	-7.88	-0.00307	PASS
					40	-2.25	-0.00088	PASS
					50	-0.59	-0.00023	PASS
		10	LCH	VN	-30	-5.26	-0.0021	PASS
					-20	-3.48	-0.00139	PASS
					-10	-1.24	-0.0005	PASS
					0	-2.7	-0.00108	PASS
					10	-1.04	-0.00042	PASS
					20	-10.34	-0.00413	PASS
					30	2.25	0.0009	PASS
					40	-3.15	-0.00126	PASS
					50	-7.1	-0.00283	PASS
			MCH	VN	-30	-2.65	-0.00105	PASS
					-20	-7.74	-0.00305	PASS
					-10	-7.45	-0.00294	PASS
					0	-7.62	-0.00301	PASS
					10	-12.39	-0.00489	PASS
					20	-4.35	-0.00172	PASS
					30	2.05	0.00081	PASS
					40	-1.3	-0.00051	PASS
					50	-6.71	-0.00265	PASS
			HCH	VN	-30	-12	-0.00468	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Tem.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-5.22	-0.00204	PASS
					-10	-4.35	-0.0017	PASS
					0	-6.78	-0.00264	PASS
					10	-7.45	-0.0029	PASS
					20	-8.25	-0.00322	PASS
					30	-3.73	-0.00145	PASS
					40	-7.34	-0.00286	PASS
					50	-7.95	-0.0031	PASS
		15	LCH	VN	-30	-1.34	-0.00053	PASS
					-20	1.23	0.00049	PASS
					-10	5.52	0.0022	PASS
					0	4.33	0.00173	PASS
					10	3.36	0.00134	PASS
					20	-4.08	-0.00163	PASS
					30	-0.16	-0.00006	PASS
					40	2.25	0.0009	PASS
					50	-0.89	-0.00035	PASS
			MCH	VN	-30	1.22	0.00048	PASS
					-20	-3.2	-0.00126	PASS
					-10	-1.6	-0.00063	PASS
					0	-0.36	-0.00014	PASS
					10	-3.73	-0.00147	PASS
					20	-0.84	-0.00033	PASS
					30	-3.06	-0.00121	PASS
					40	-0.34	-0.00013	PASS
					50	-2.55	-0.00101	PASS
			HCH	VN	-30	-8.75	-0.00341	PASS
					-20	-7.65	-0.00299	PASS
					-10	-5.32	-0.00208	PASS
					0	-5.71	-0.00223	PASS
					10	-8.65	-0.00338	PASS
					20	-3.76	-0.00147	PASS
					30	-4.55	-0.00178	PASS
					40	-3.92	-0.00153	PASS
					50	3.33	0.0013	PASS
		20	LCH	VN	-30	5.34	0.00213	PASS
					-20	-1.73	-0.00069	PASS
					-10	-5.58	-0.00222	PASS
					0	-2.33	-0.00093	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Tem.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-8.25	-0.00329	PASS
					20	-1.27	-0.00051	PASS
					30	-4.26	-0.0017	PASS
					40	-0.39	-0.00016	PASS
					50	-6.12	-0.00244	PASS
			MCH	VN	-30	-5.18	-0.00204	PASS
					-20	-0.53	-0.00021	PASS
					-10	-5.94	-0.00234	PASS
					0	-6.78	-0.00267	PASS
					10	-2.82	-0.00111	PASS
					20	-5.38	-0.00212	PASS
					30	-7.82	-0.00308	PASS
					40	-1.96	-0.00077	PASS
					50	-2.37	-0.00093	PASS
			HCH	VN	-30	-3.63	-0.00142	PASS
					-20	-9.24	-0.00361	PASS
					-10	-11.79	-0.00461	PASS
					0	-2.88	-0.00112	PASS
					10	-3.65	-0.00143	PASS
					20	-3.75	-0.00146	PASS
					30	-5.55	-0.00217	PASS
					40	-1.82	-0.00071	PASS
					50	-2.06	-0.0008	PASS

END