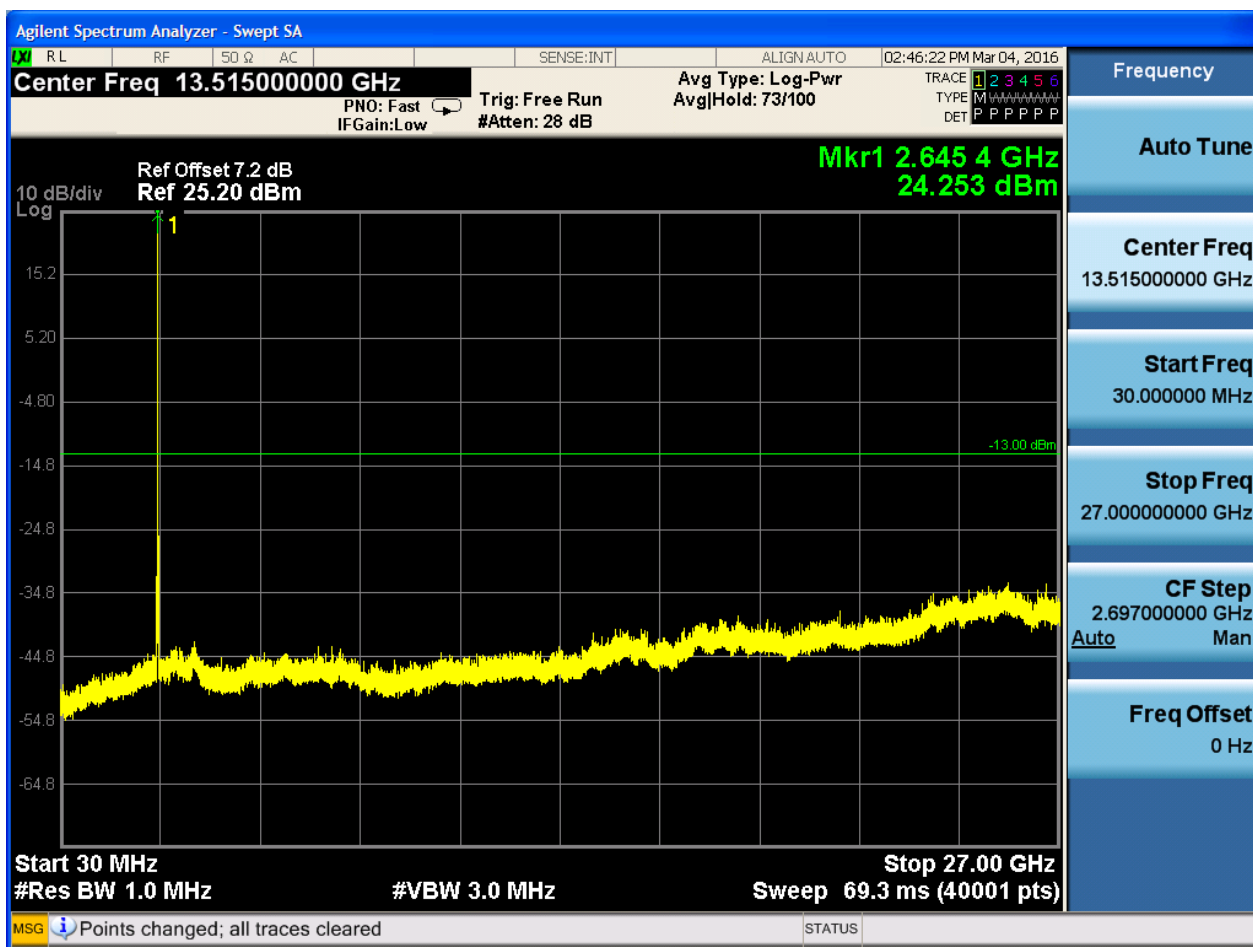
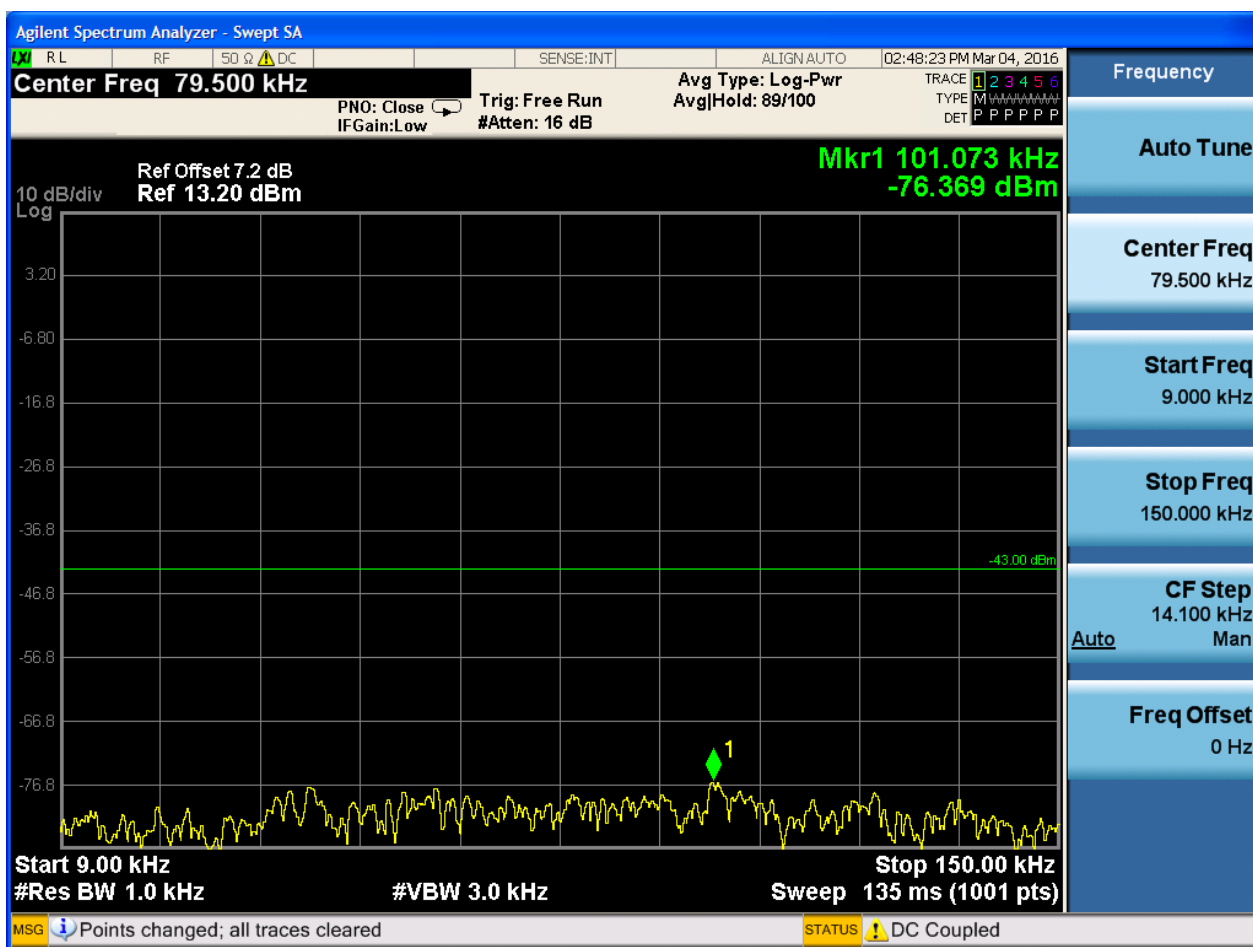


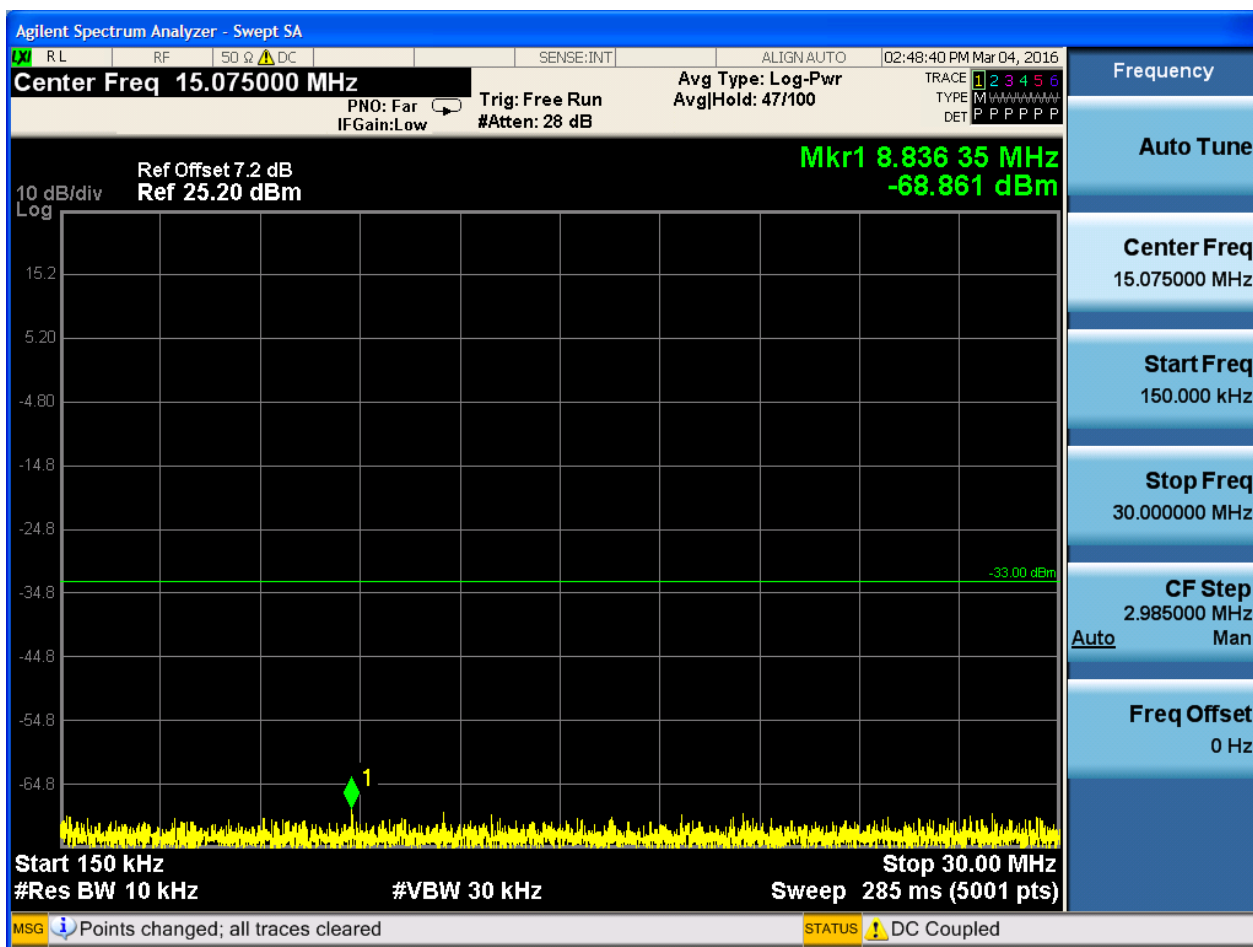


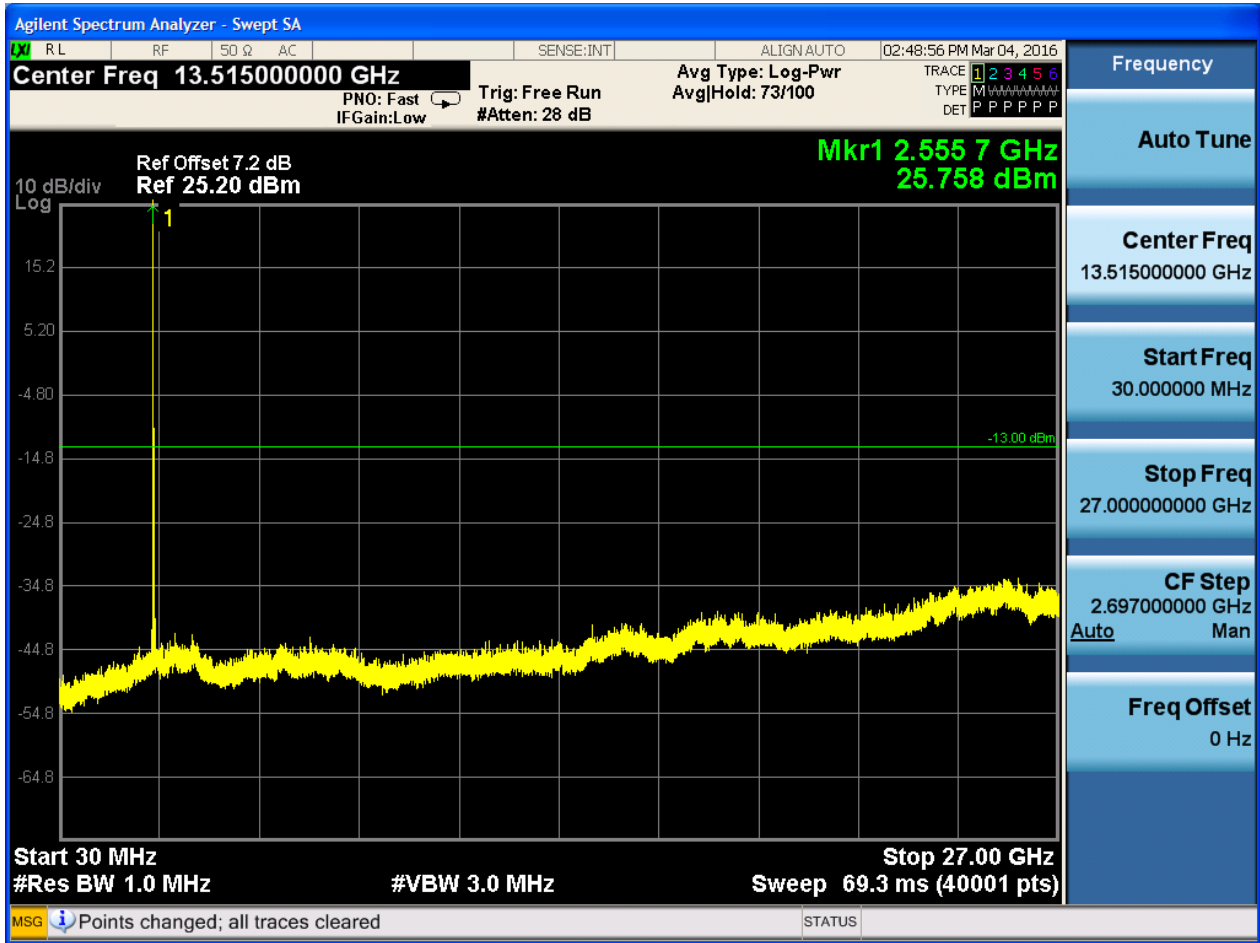
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

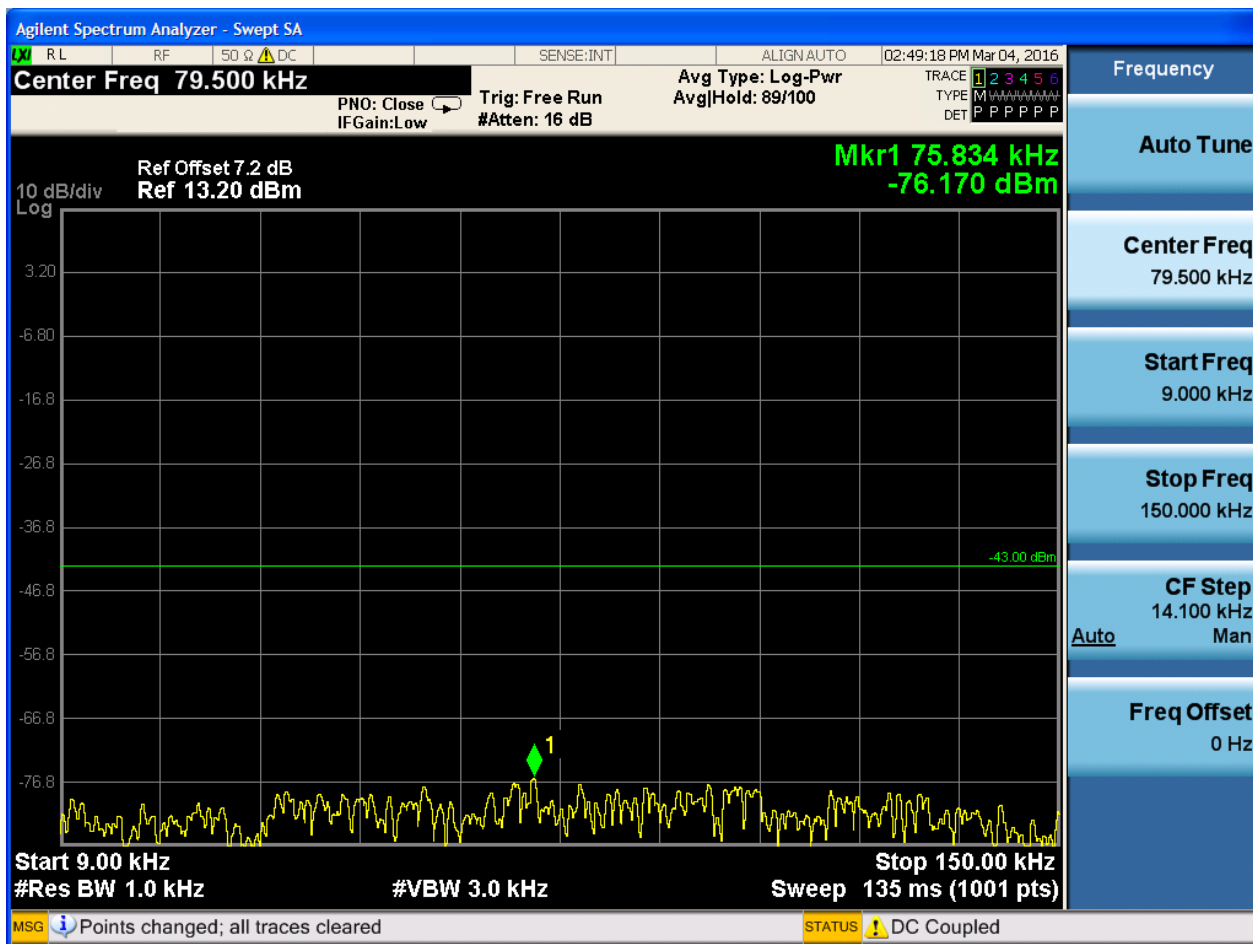


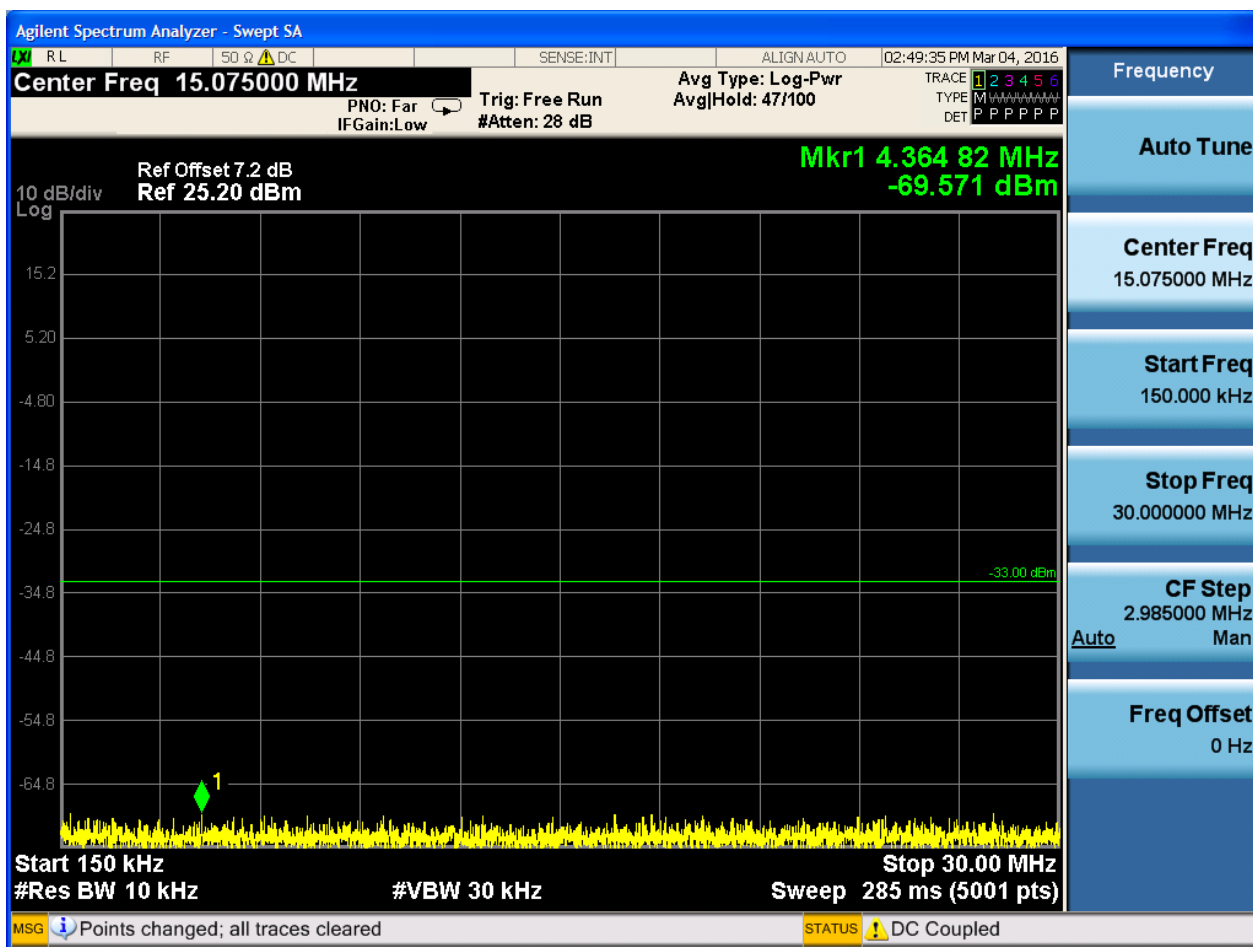


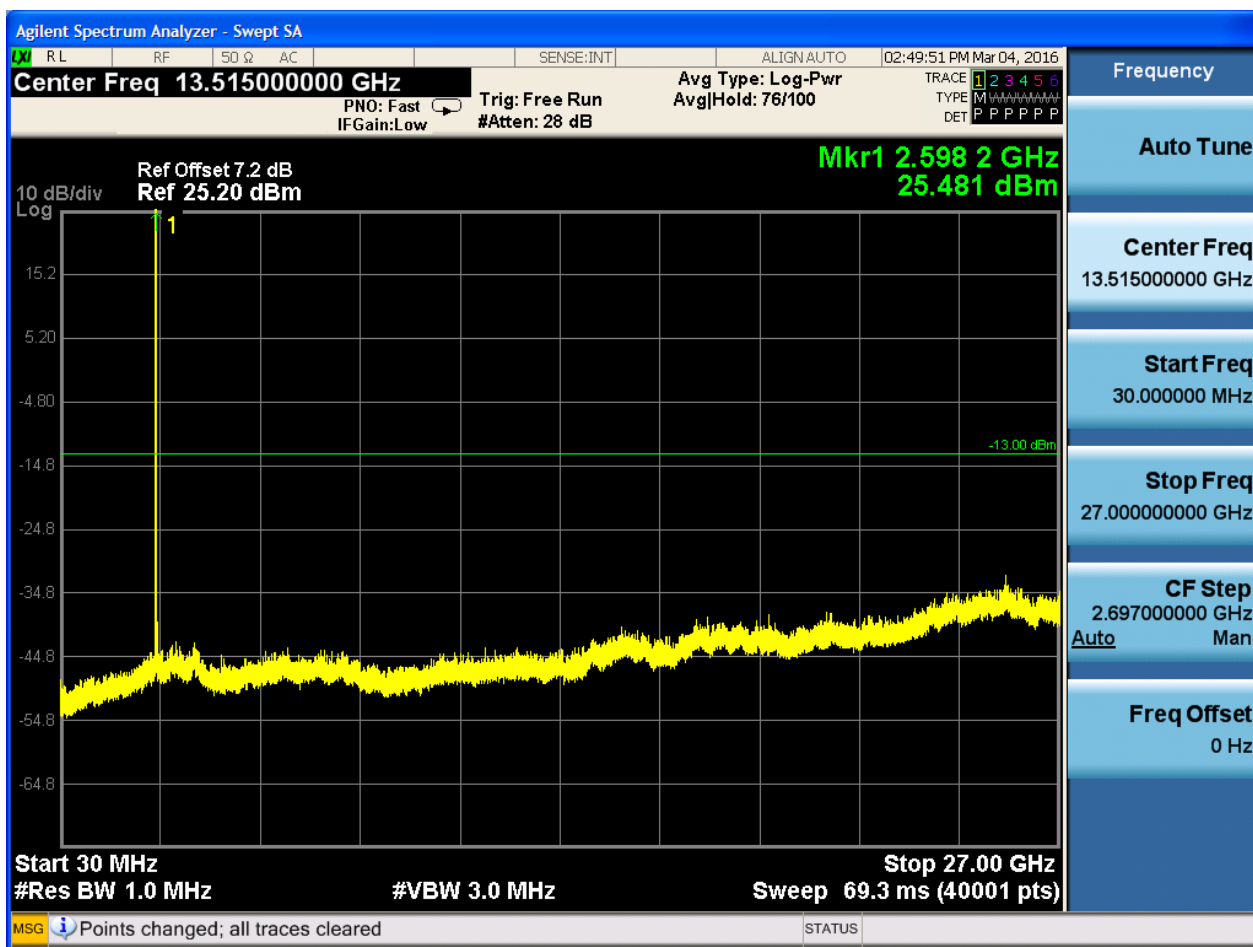


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



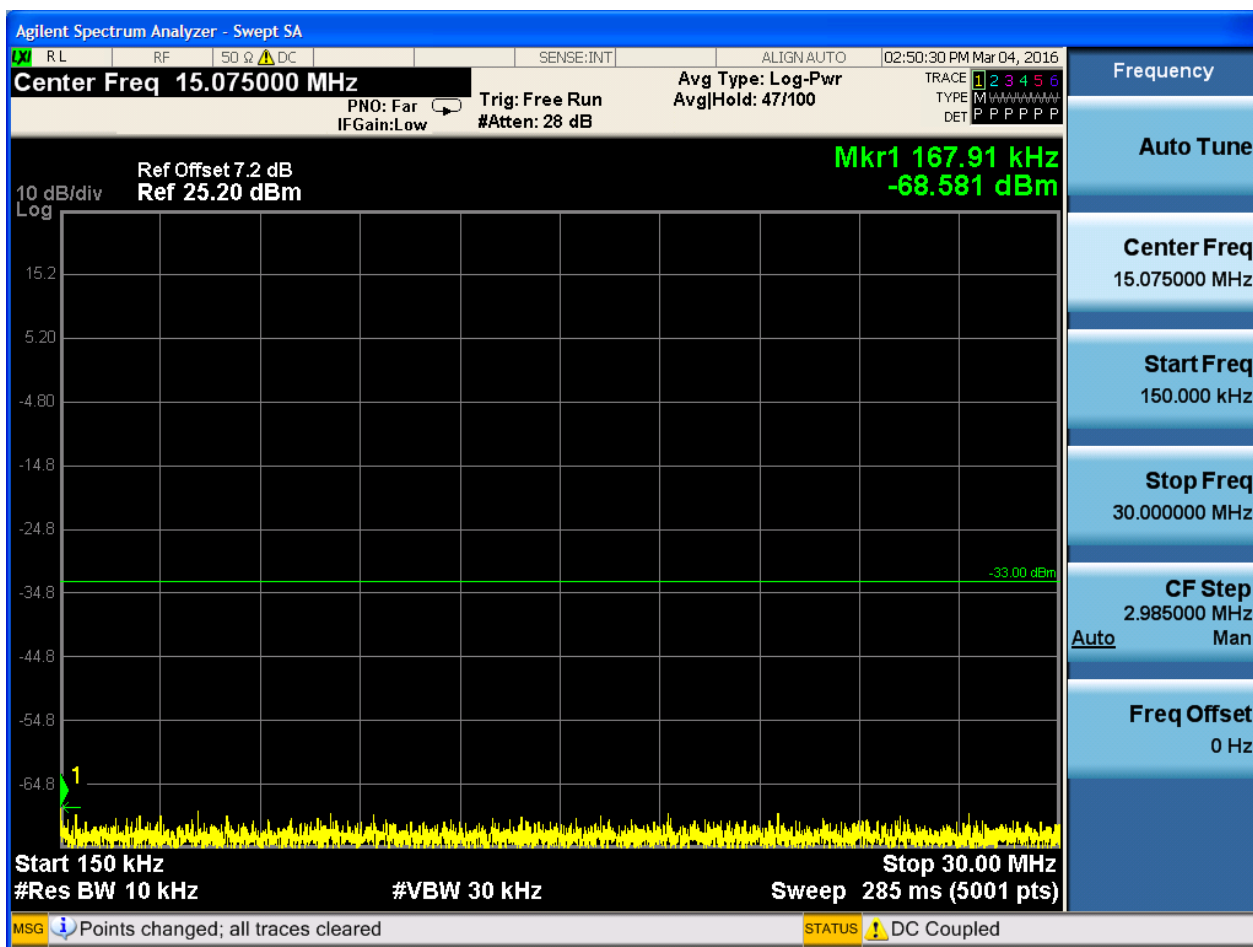


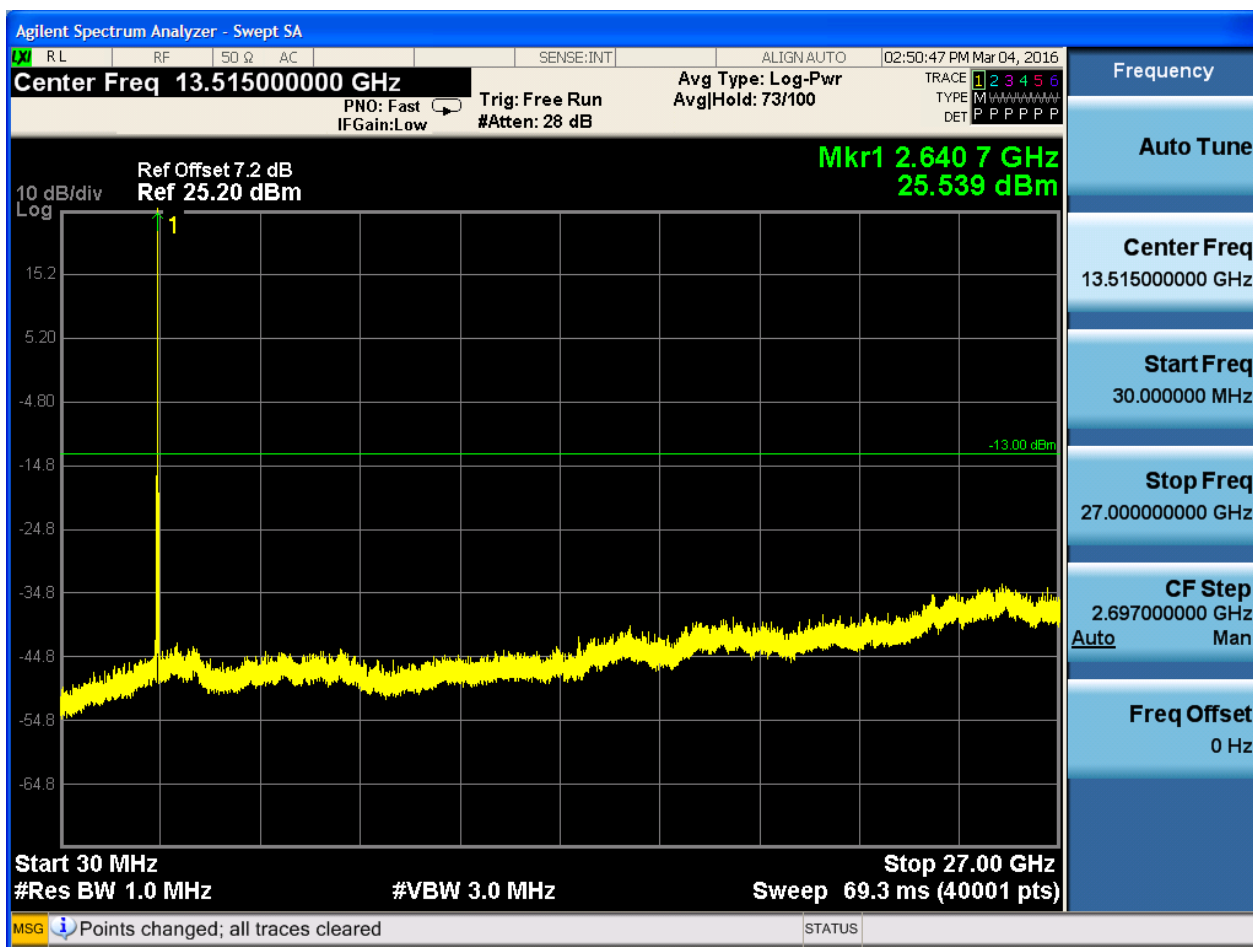


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





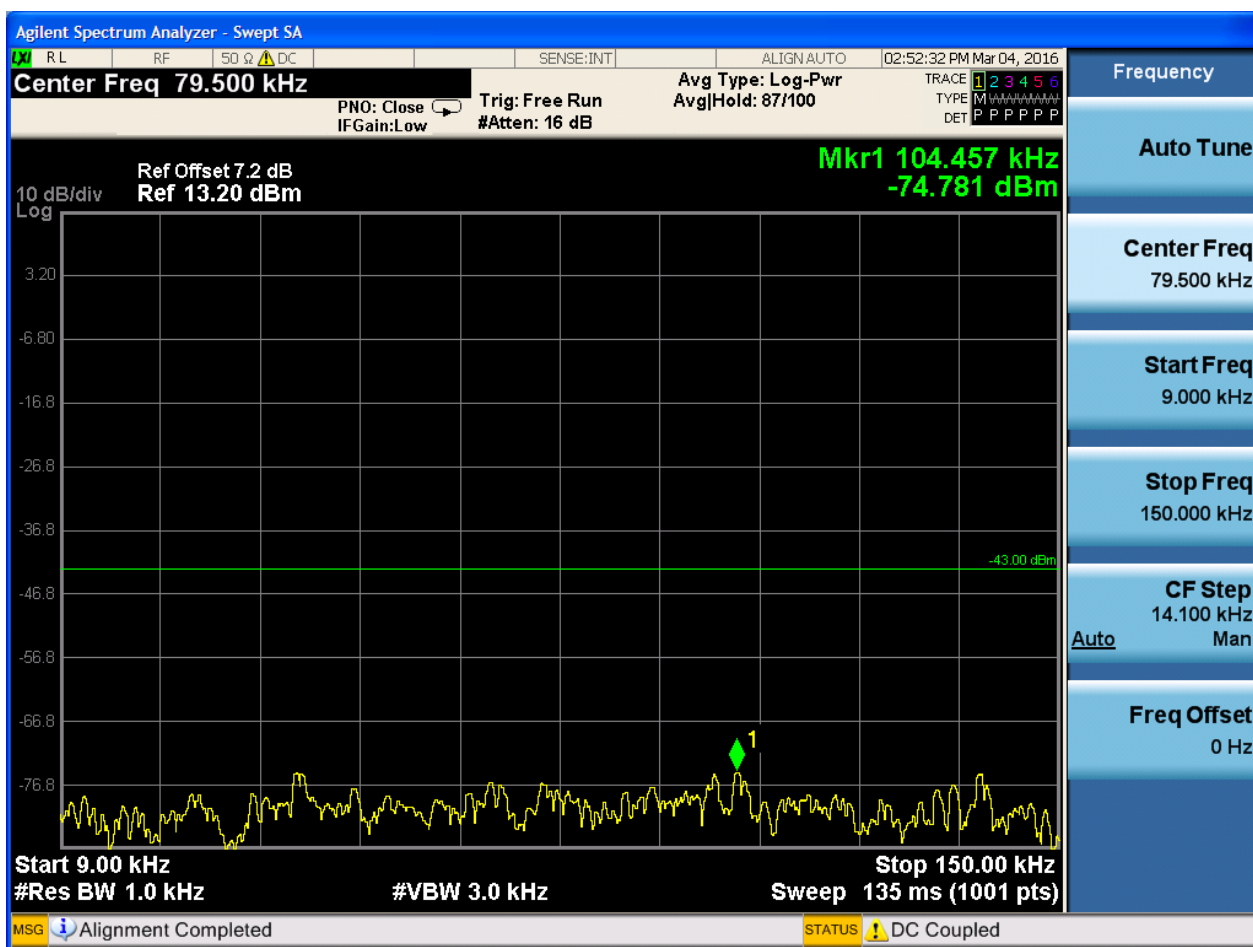


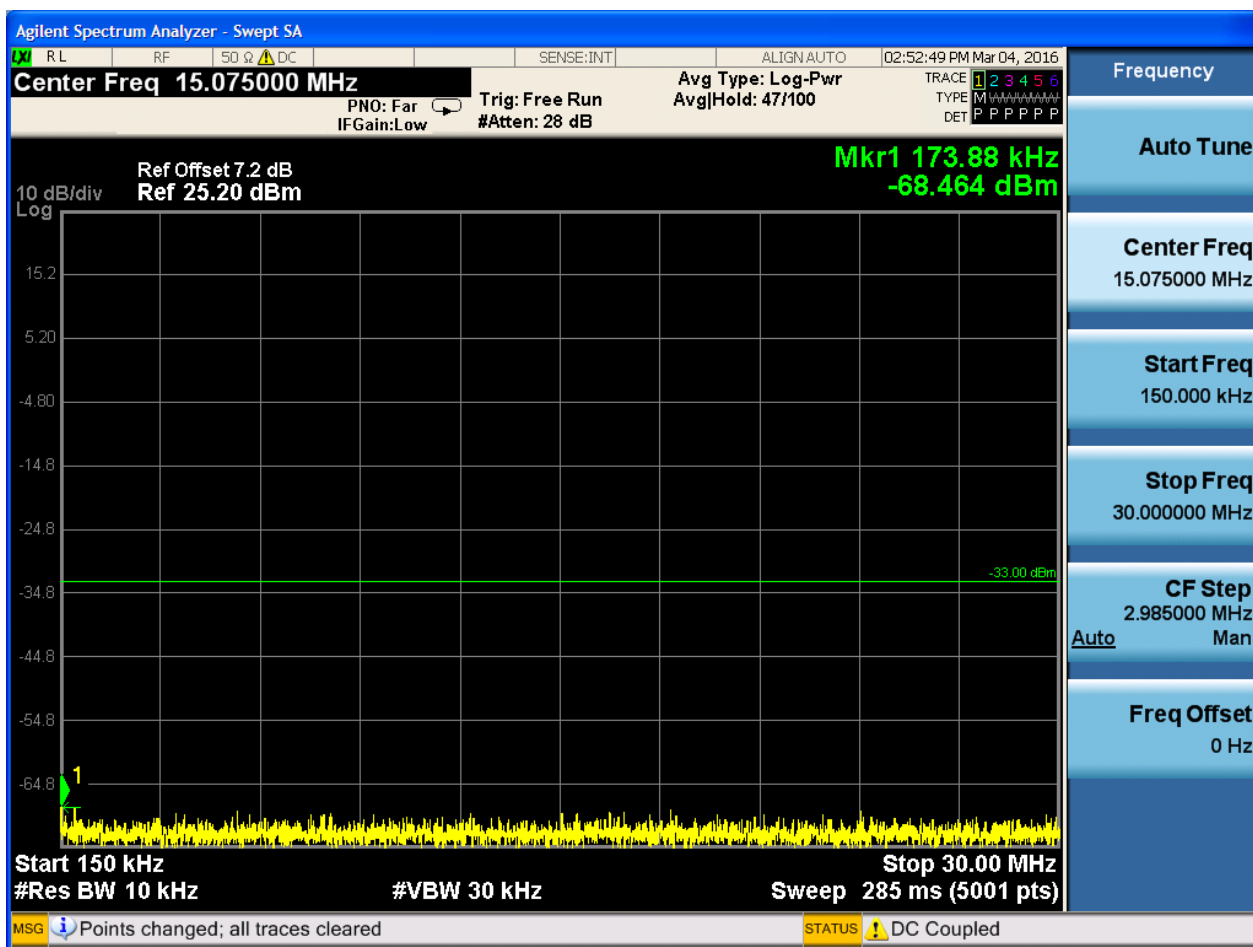


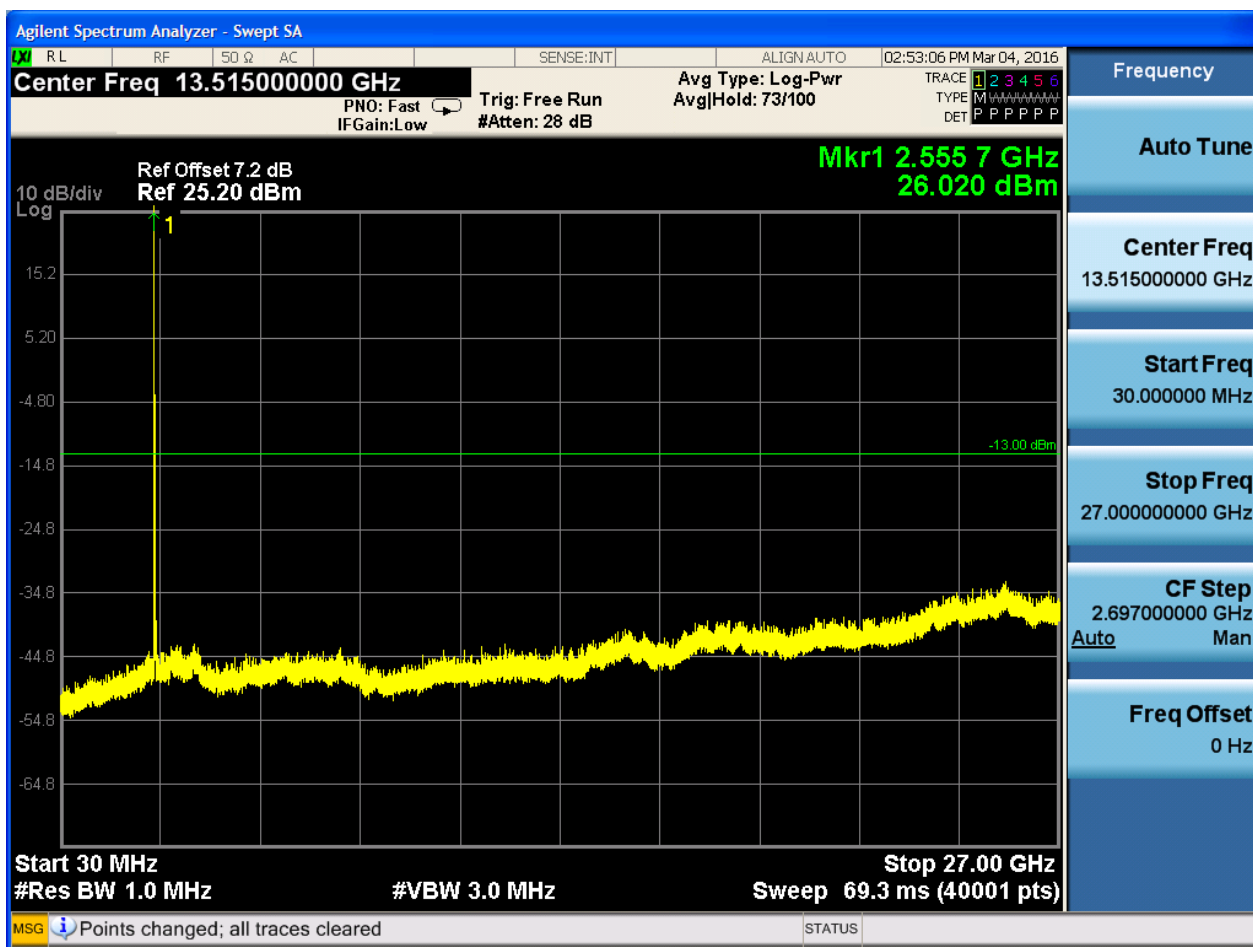
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

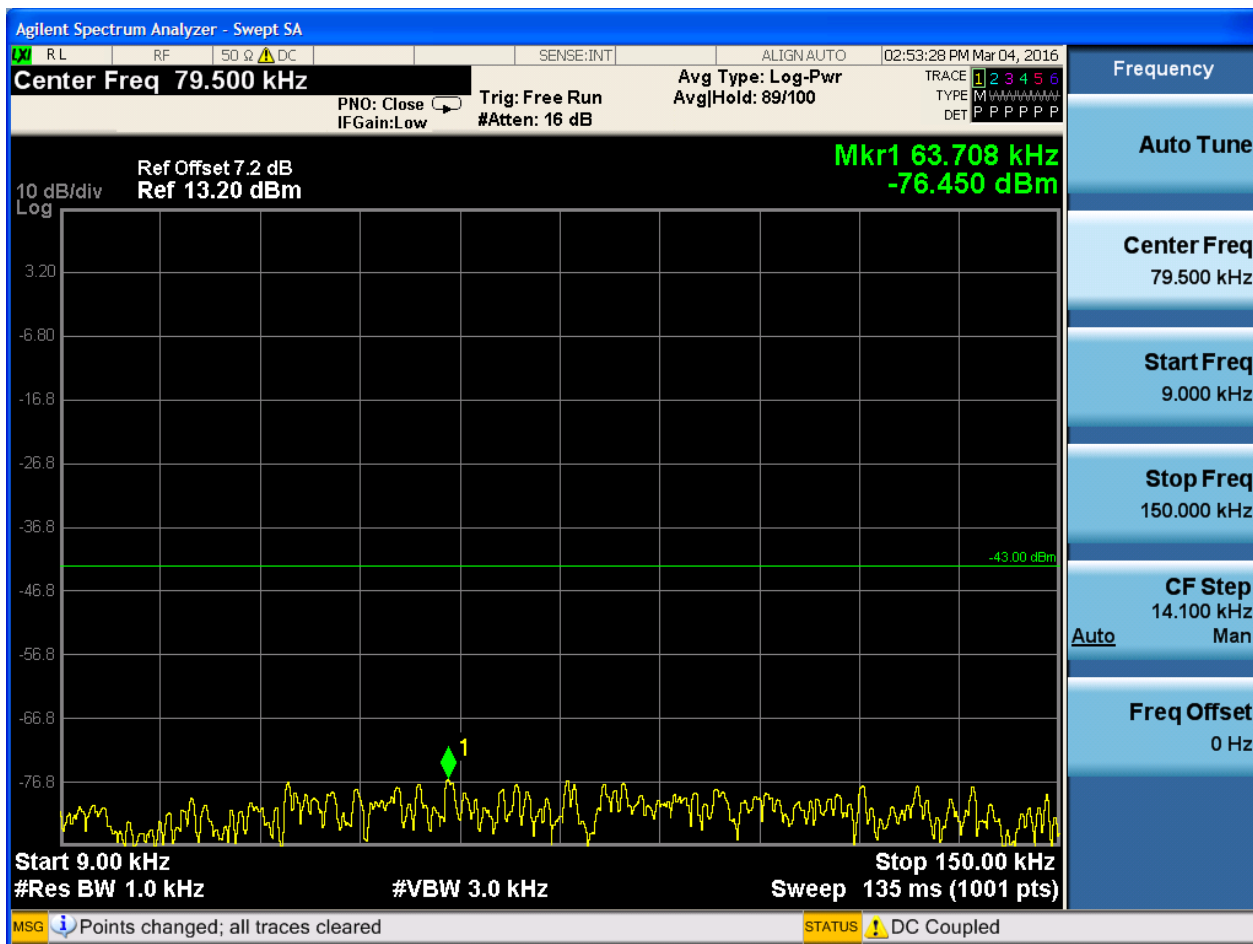


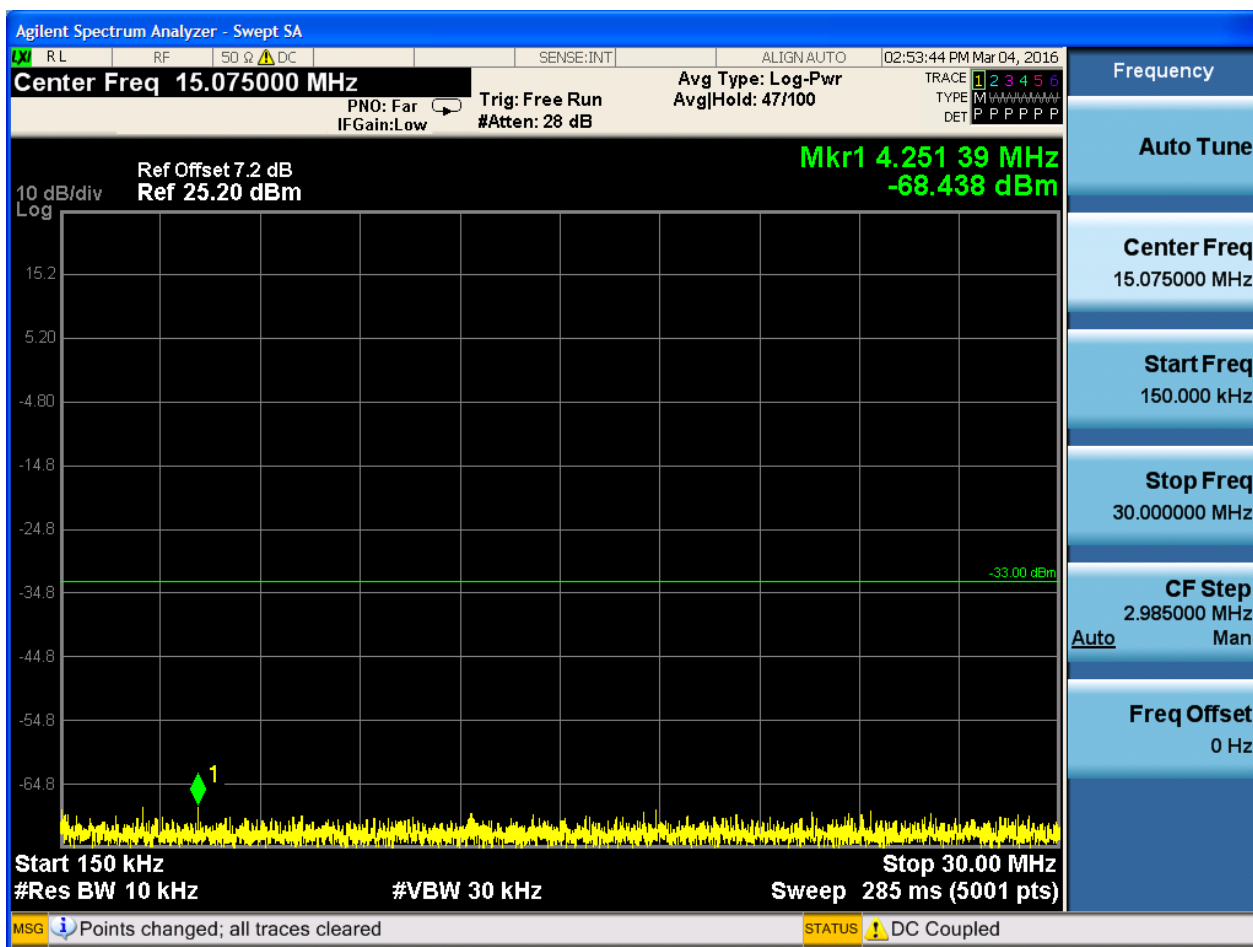


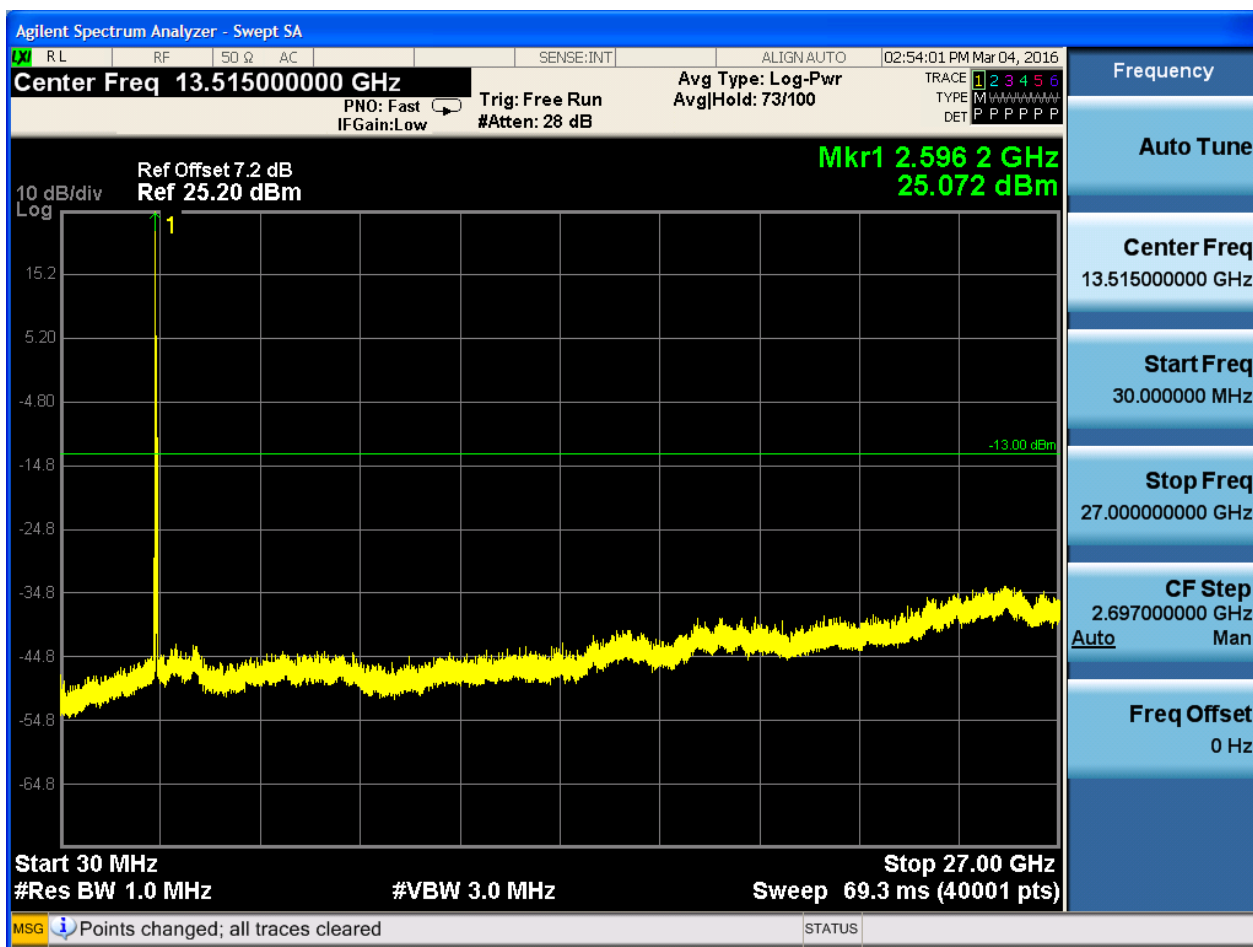


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

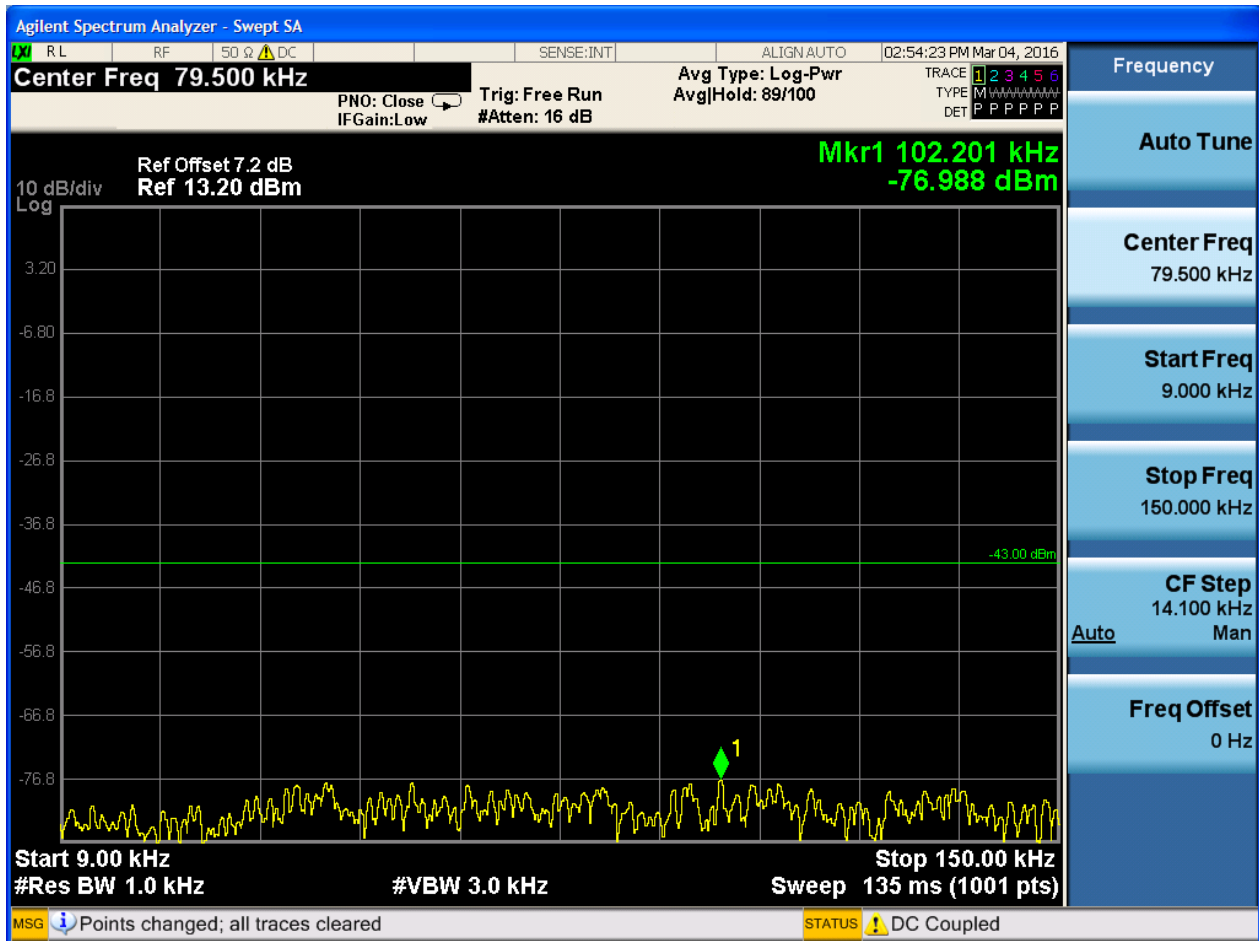


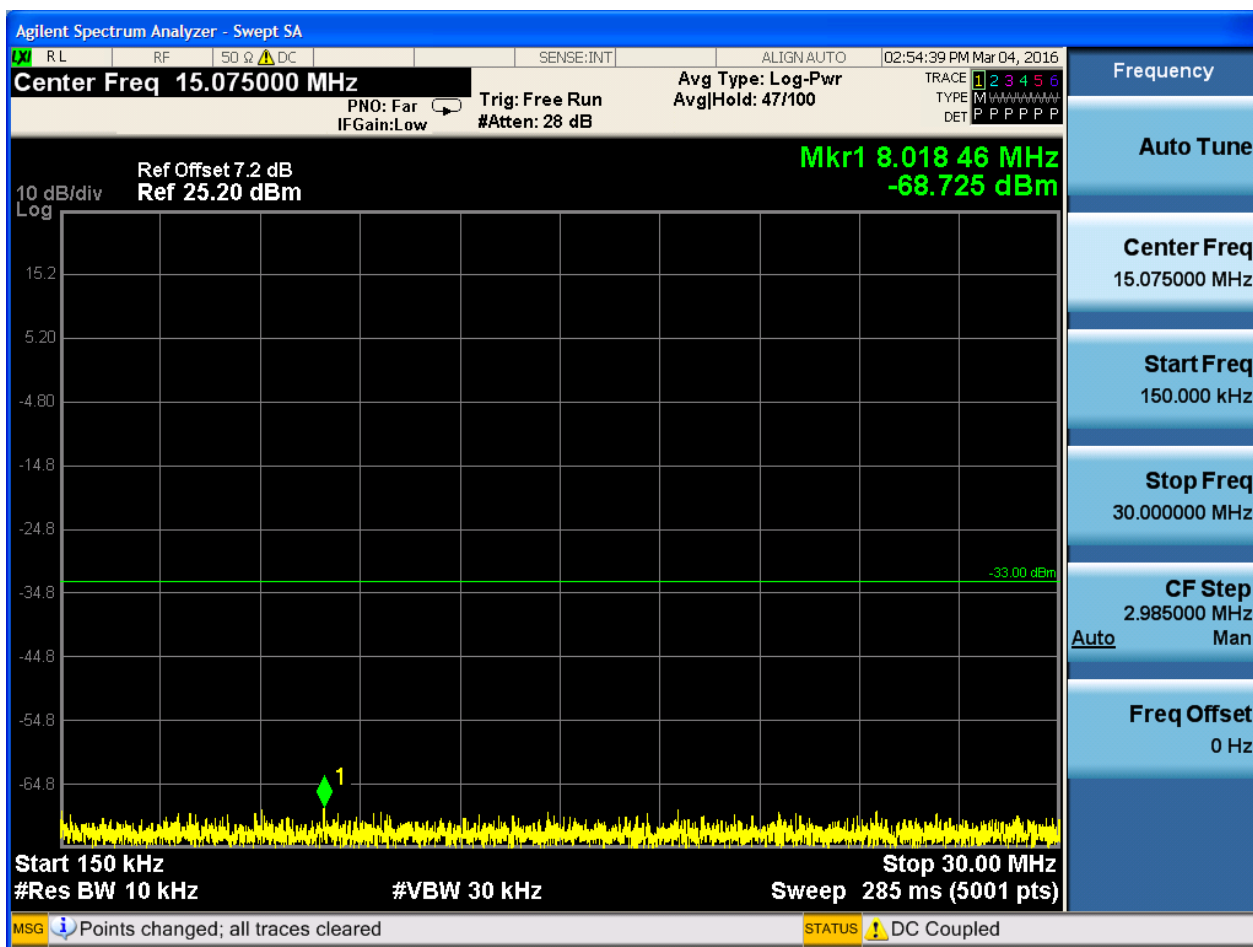


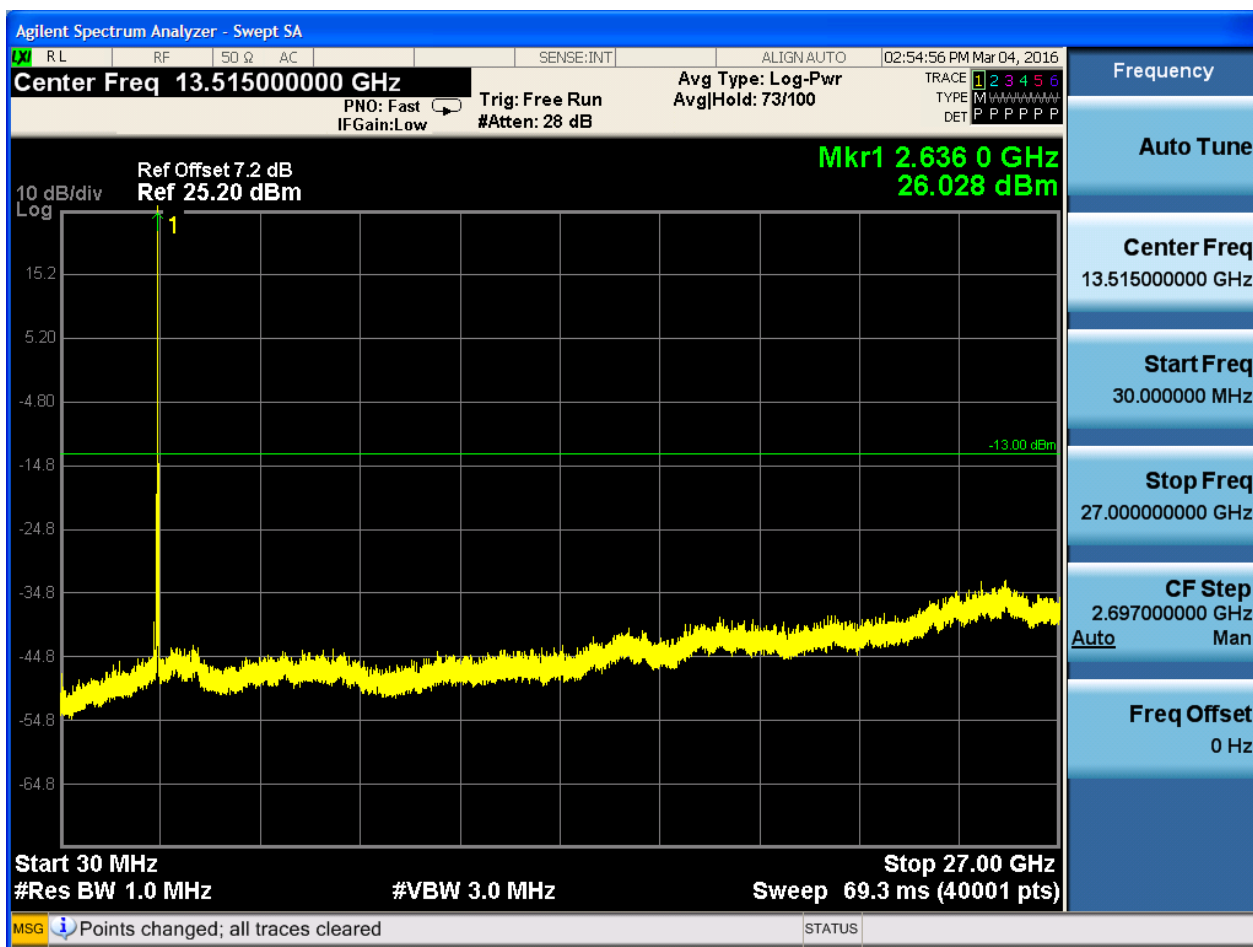


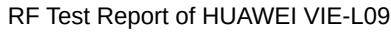
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0

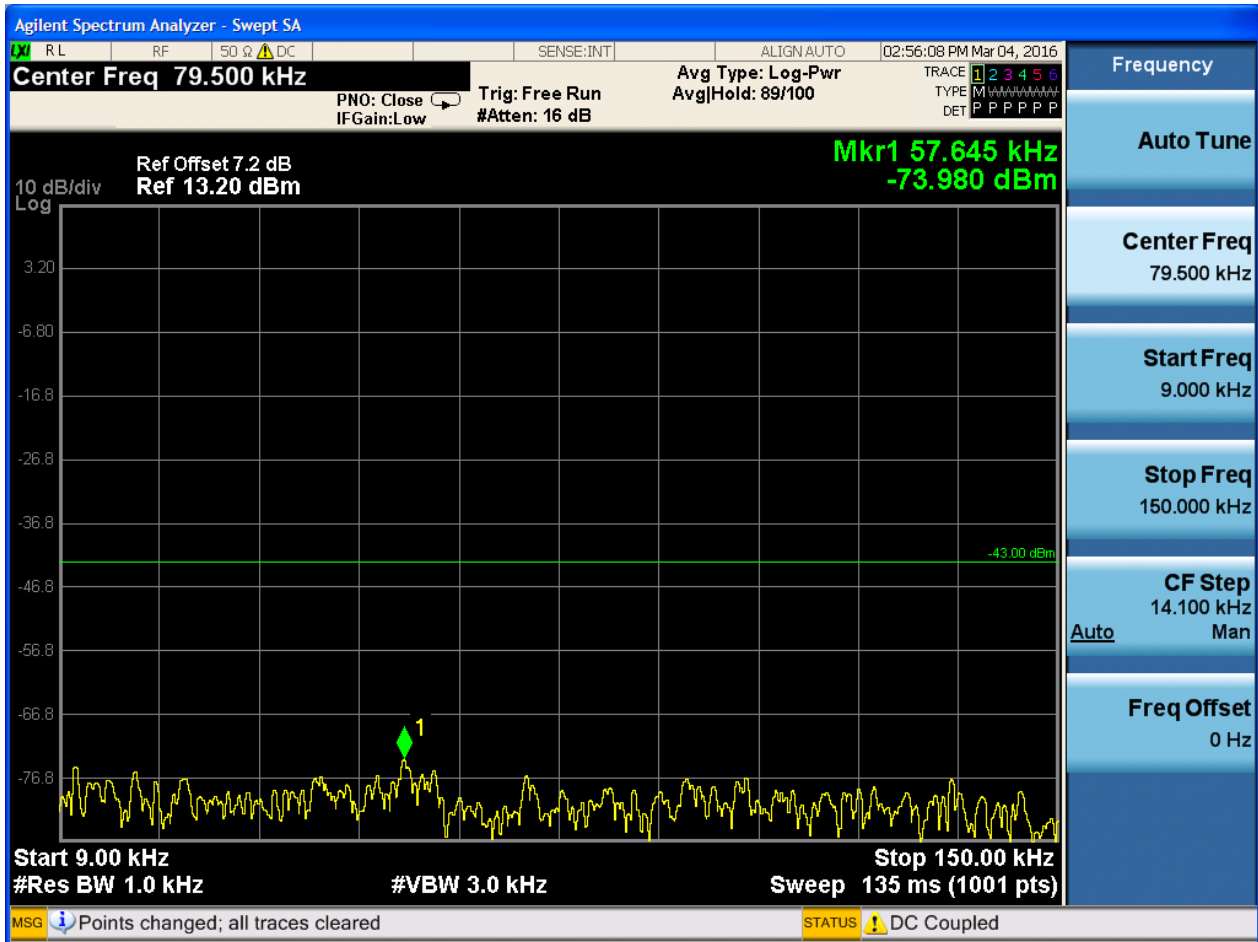




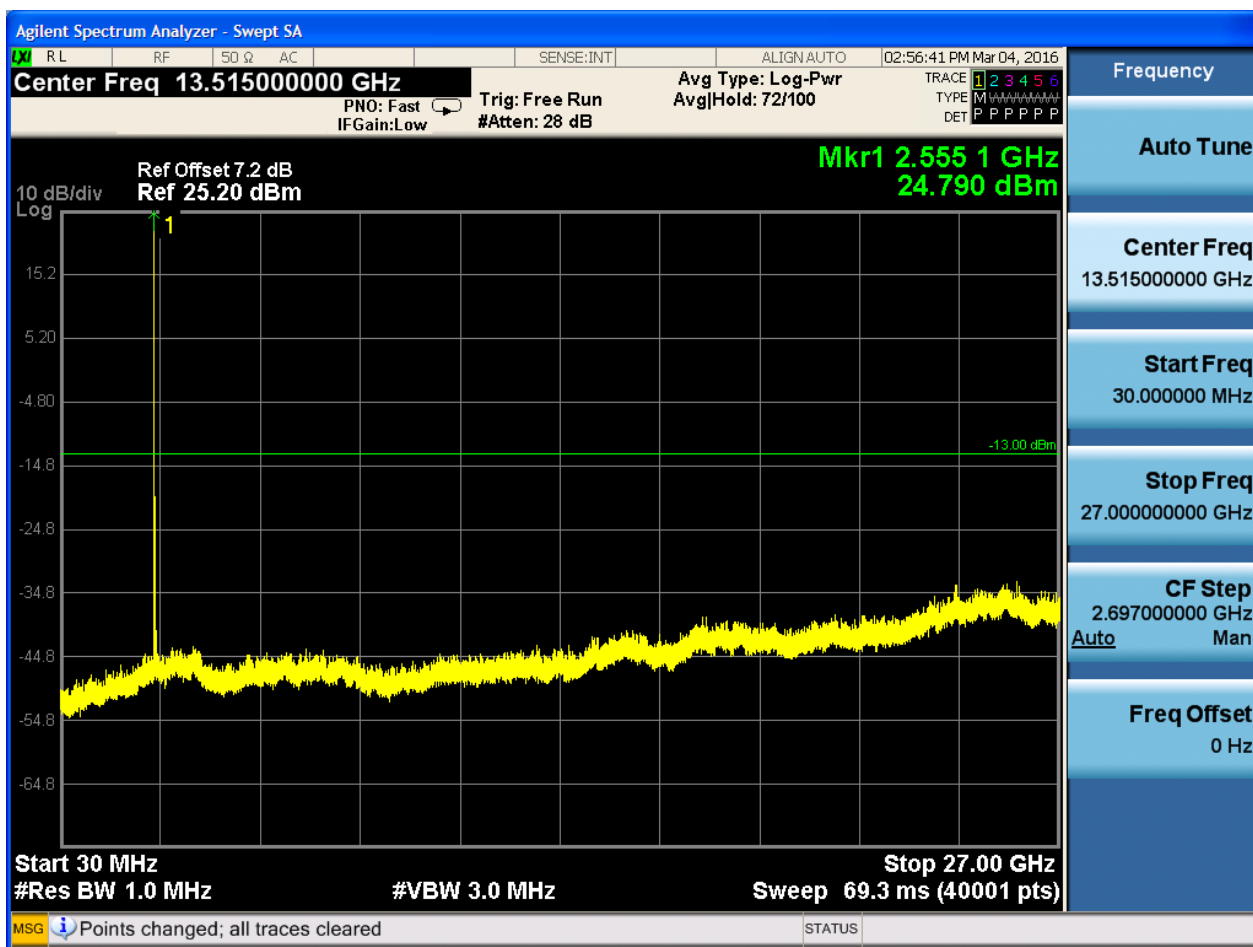




6.1.1.2.1.1.1 Test RB = RB1#0

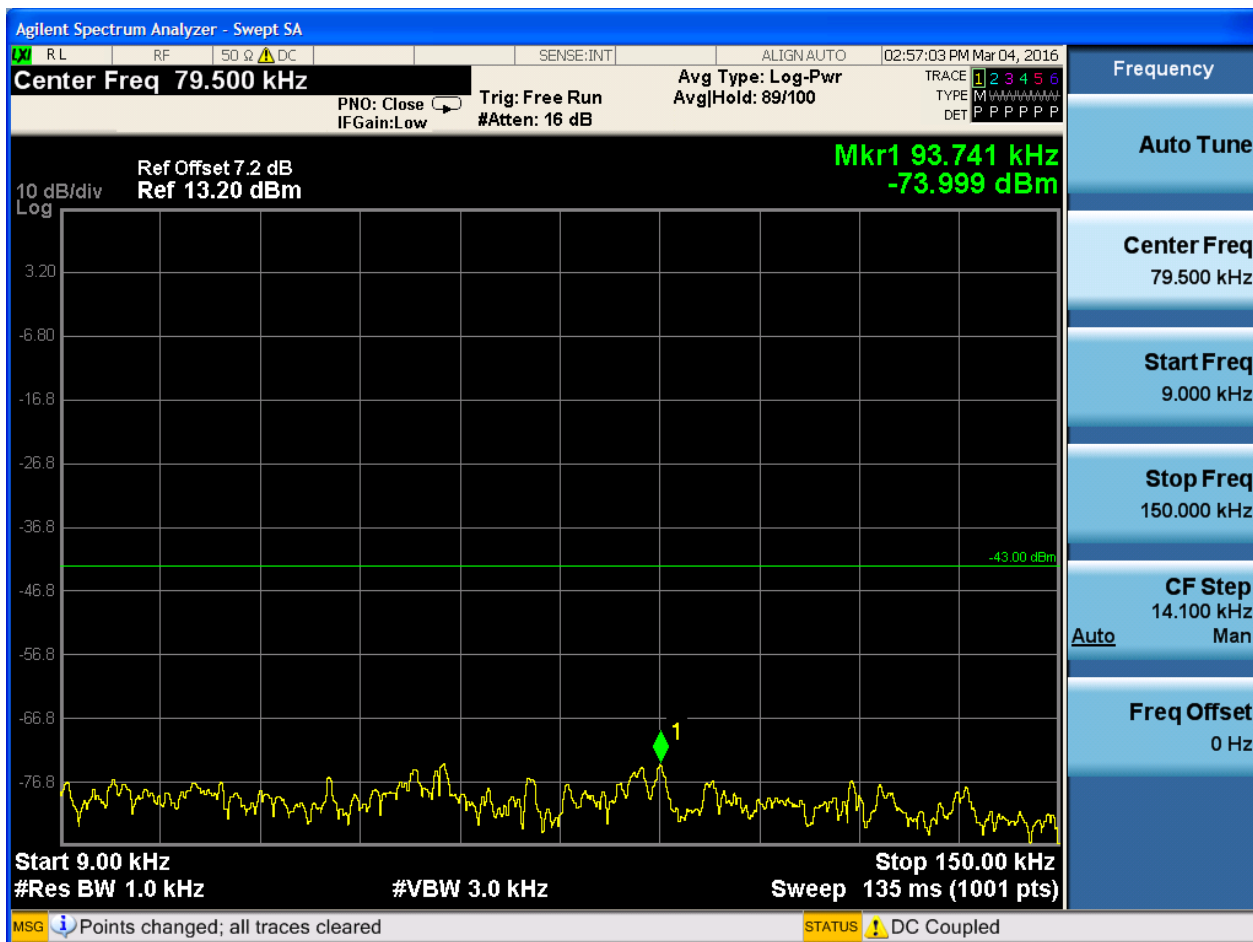




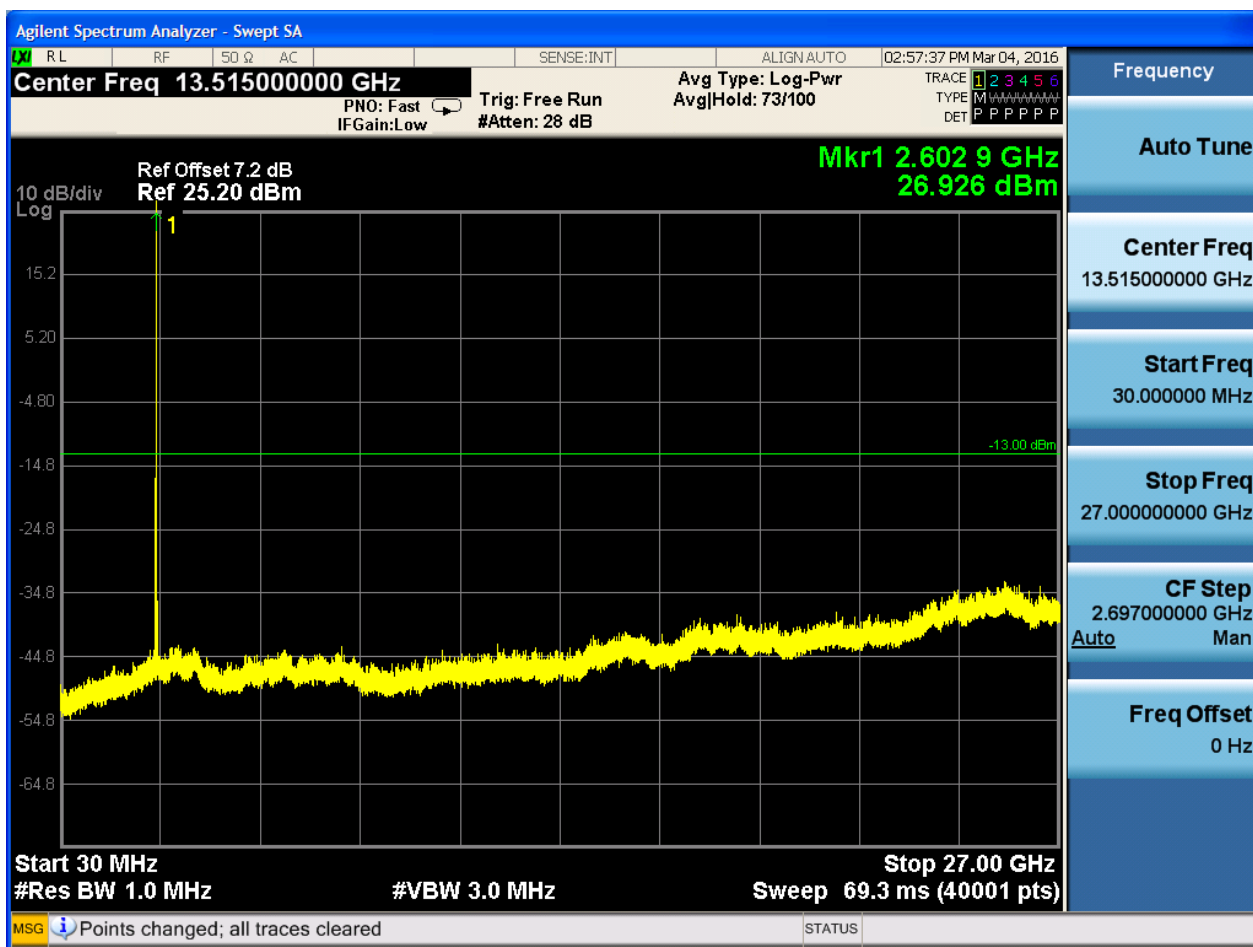


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



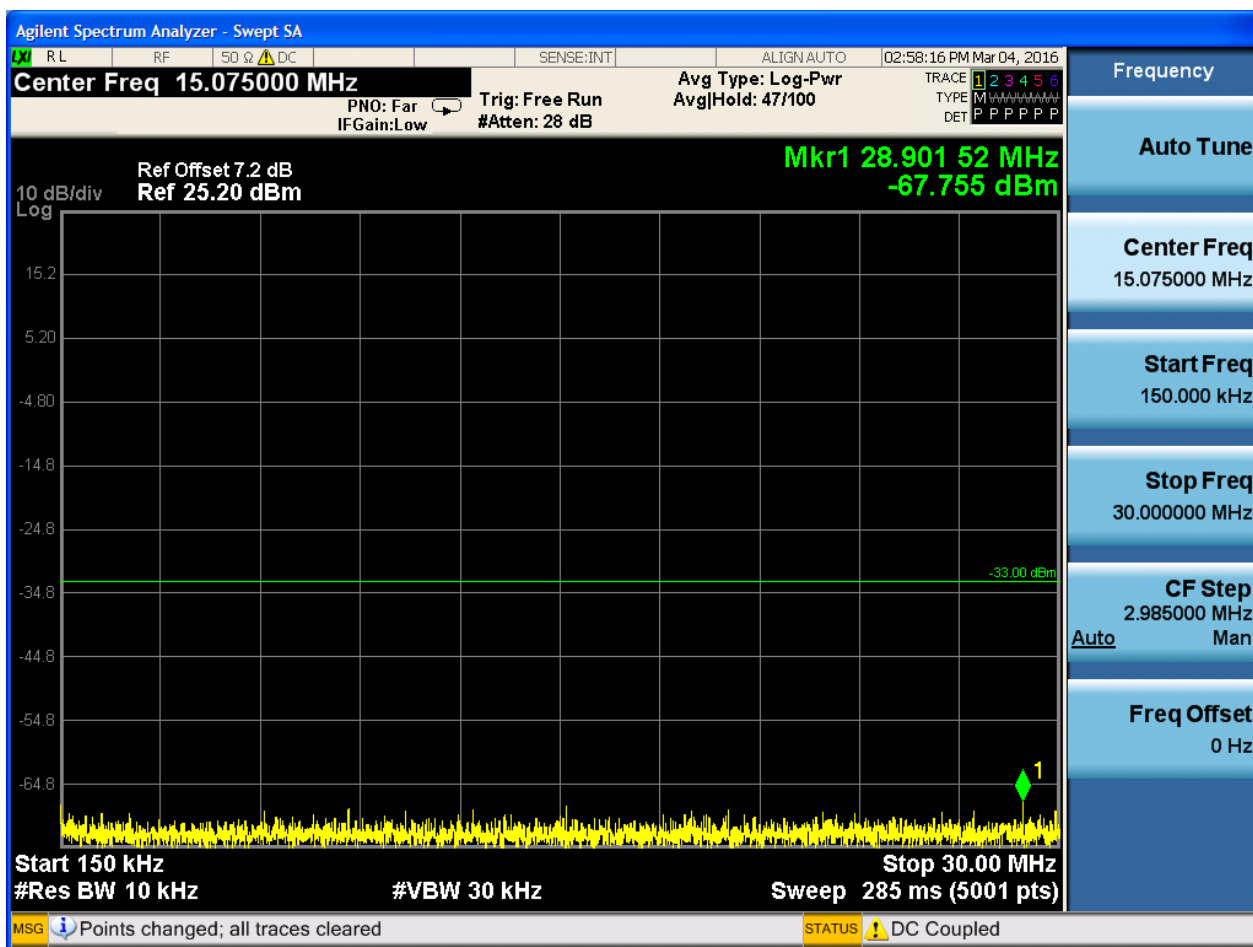


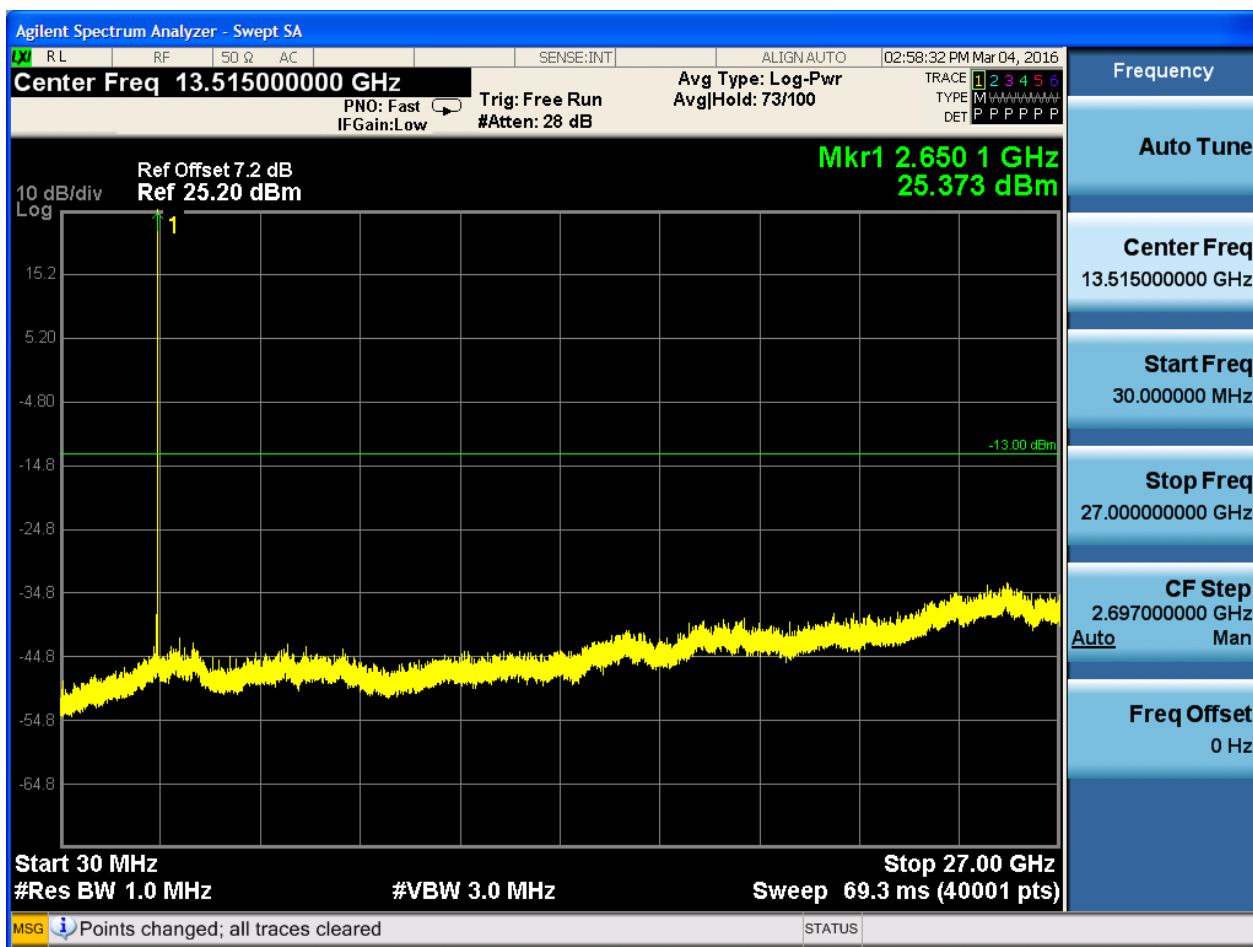


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





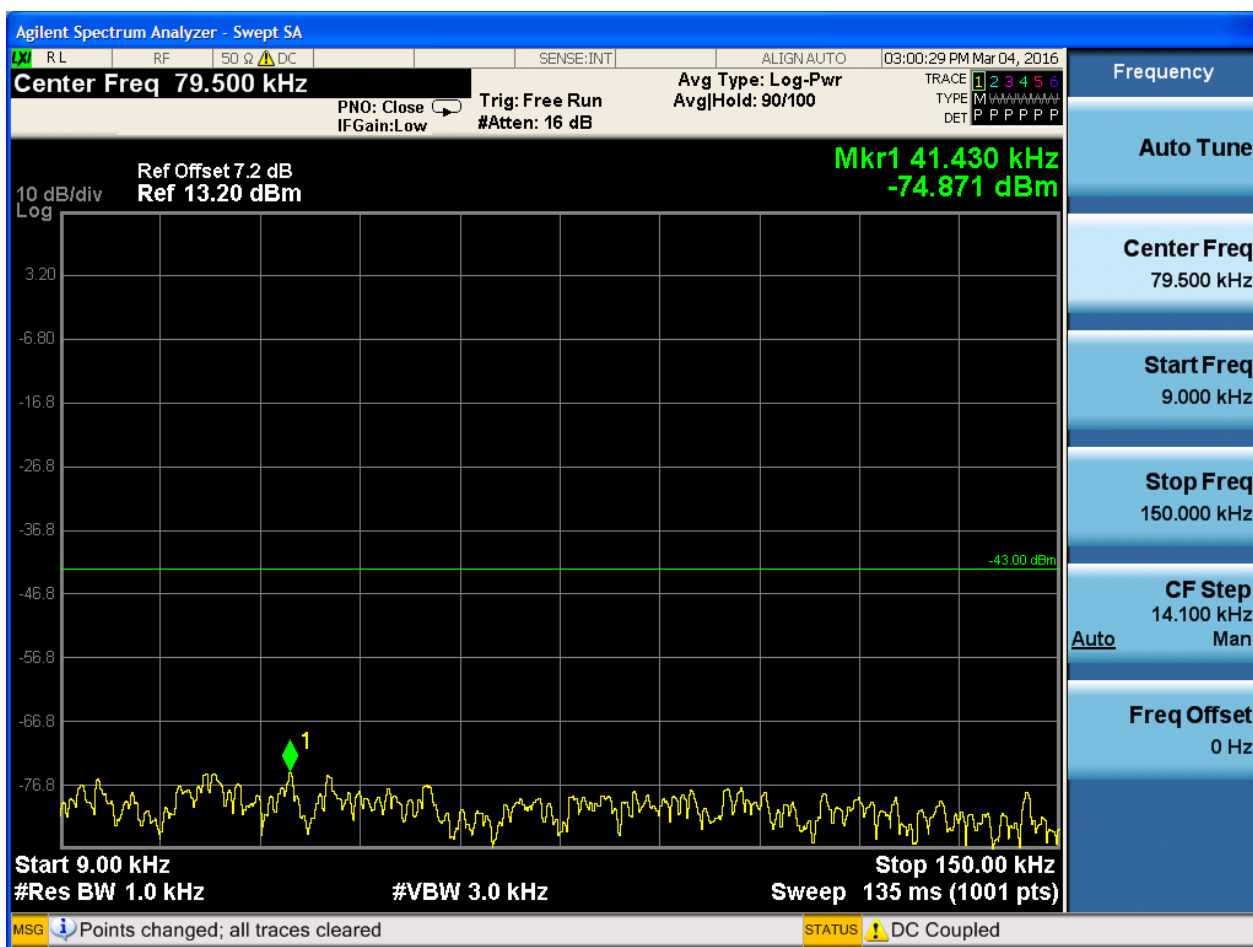




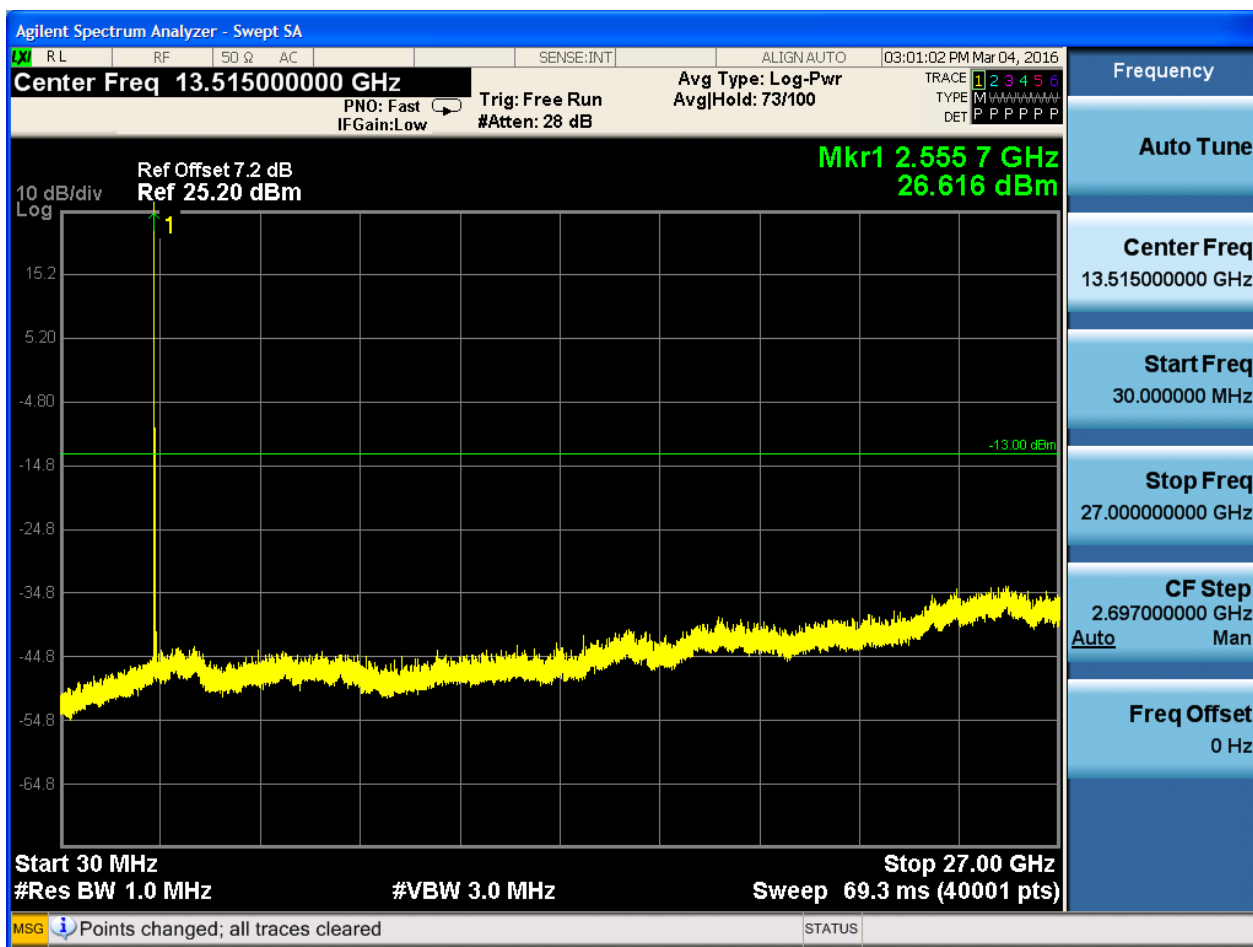
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

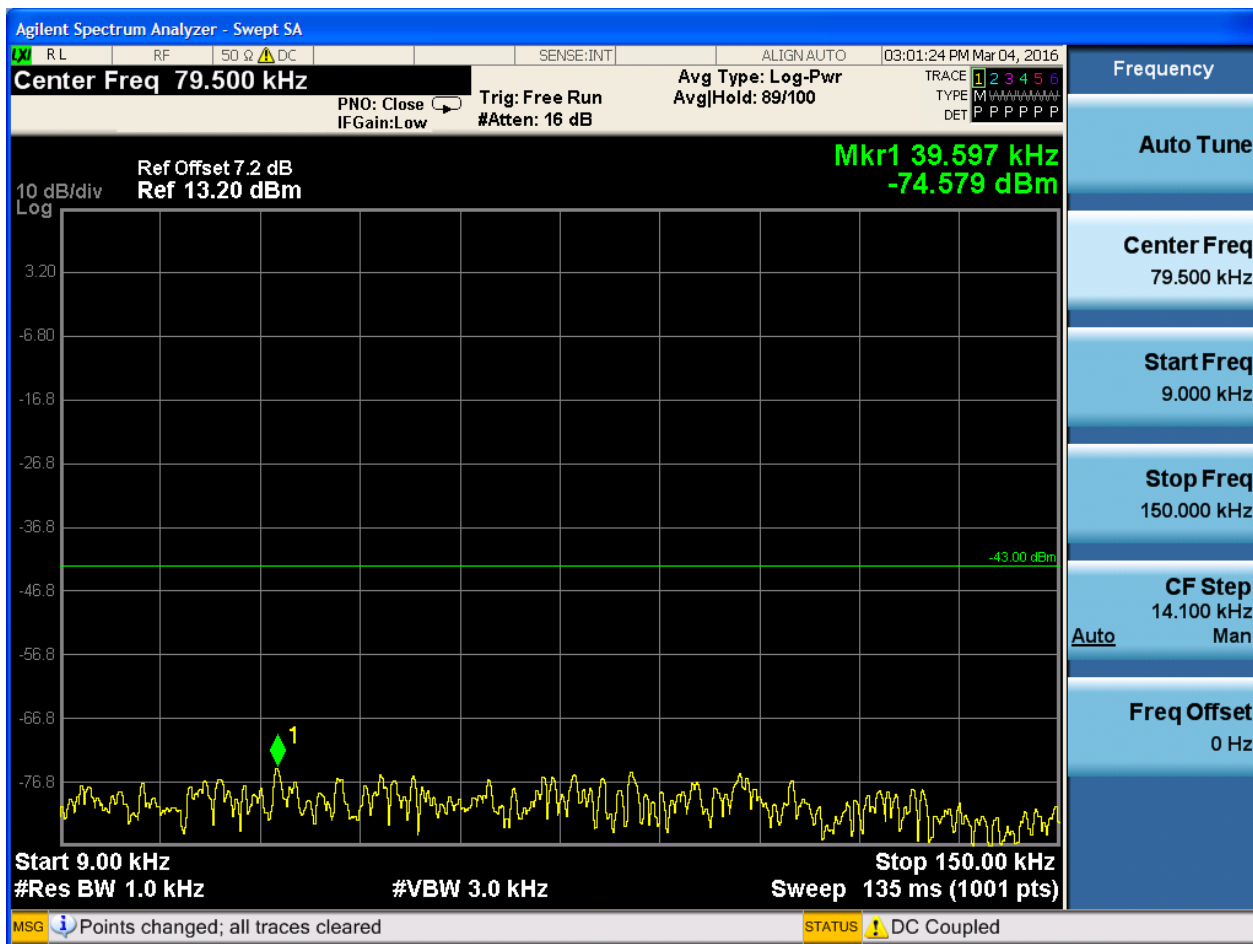


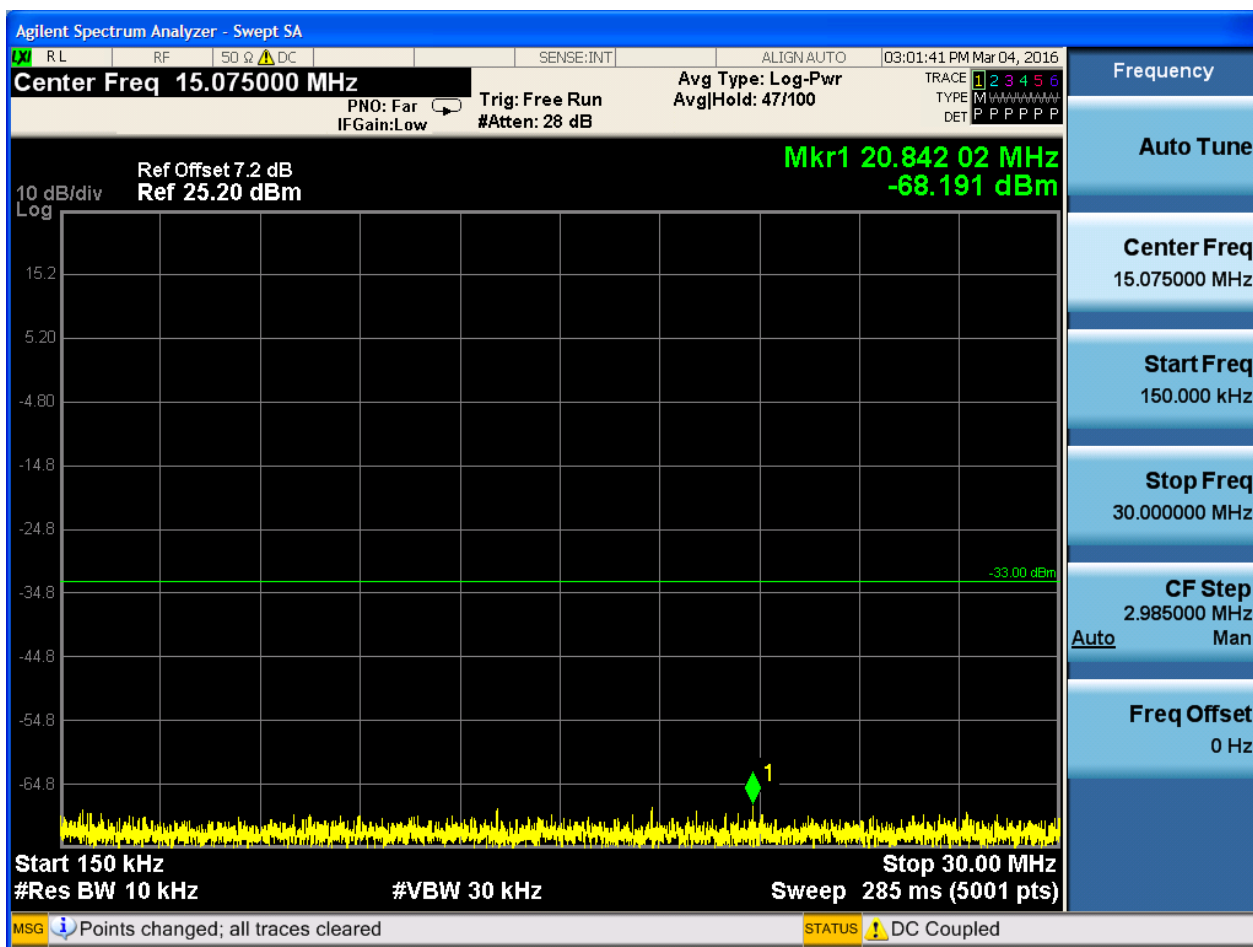


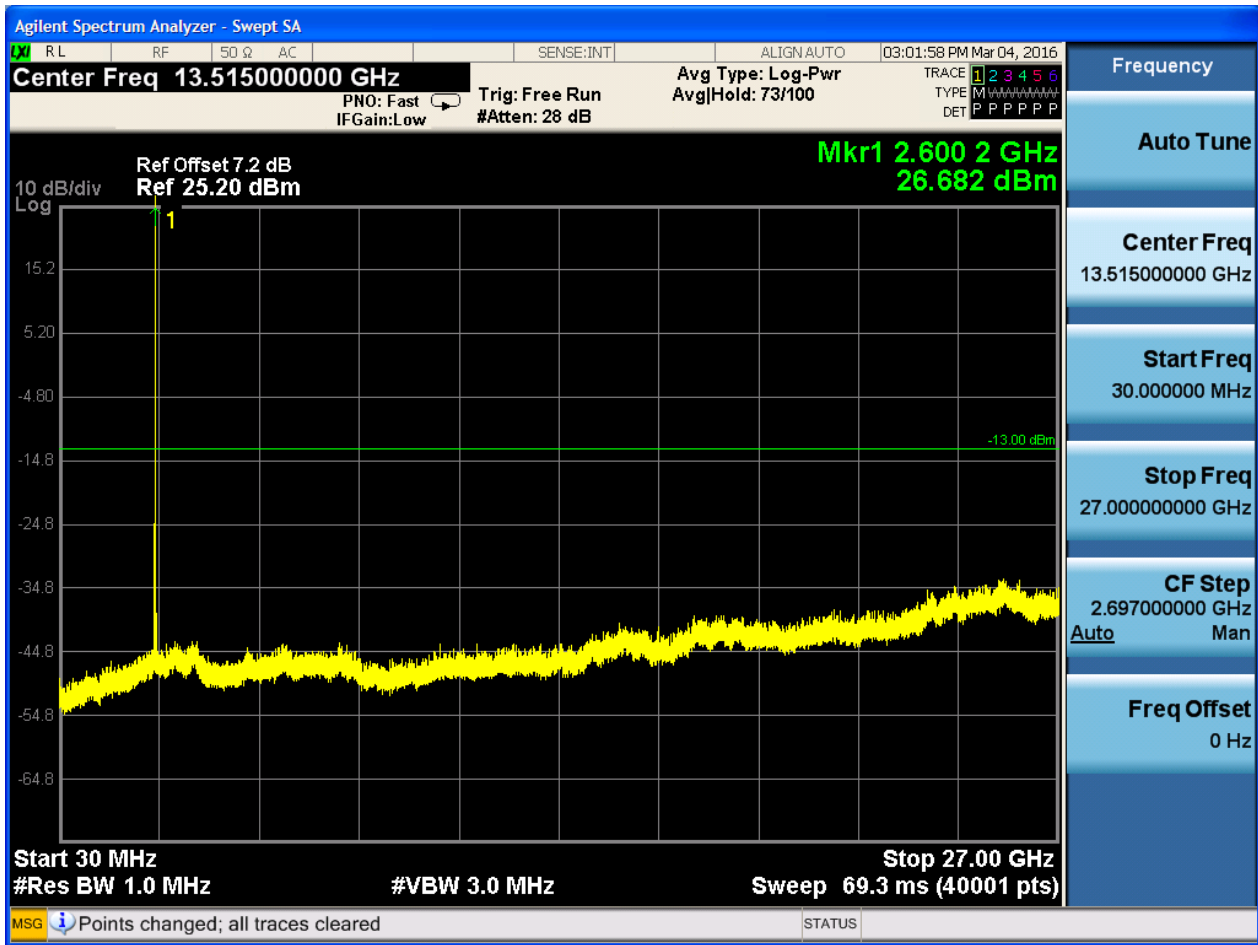


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



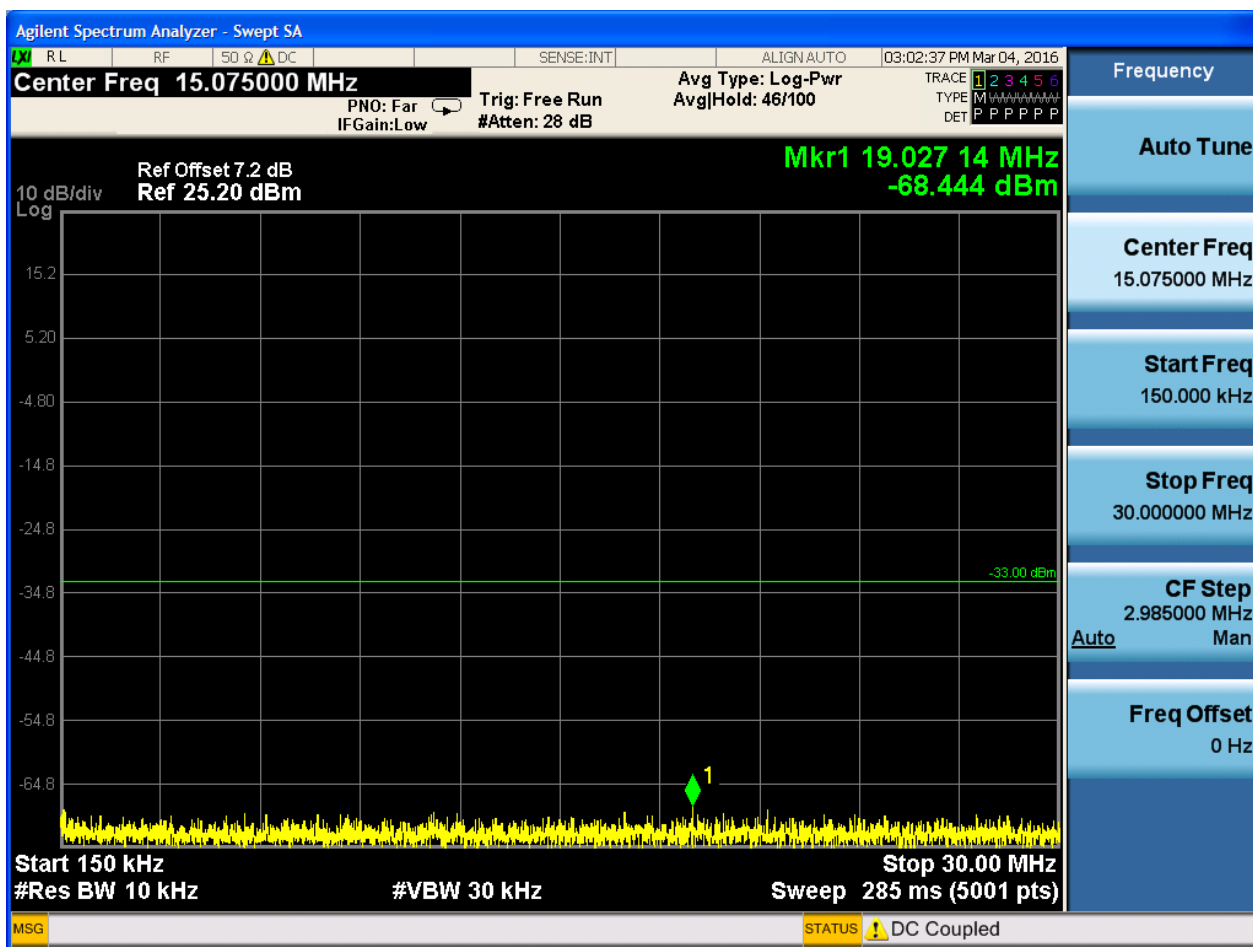


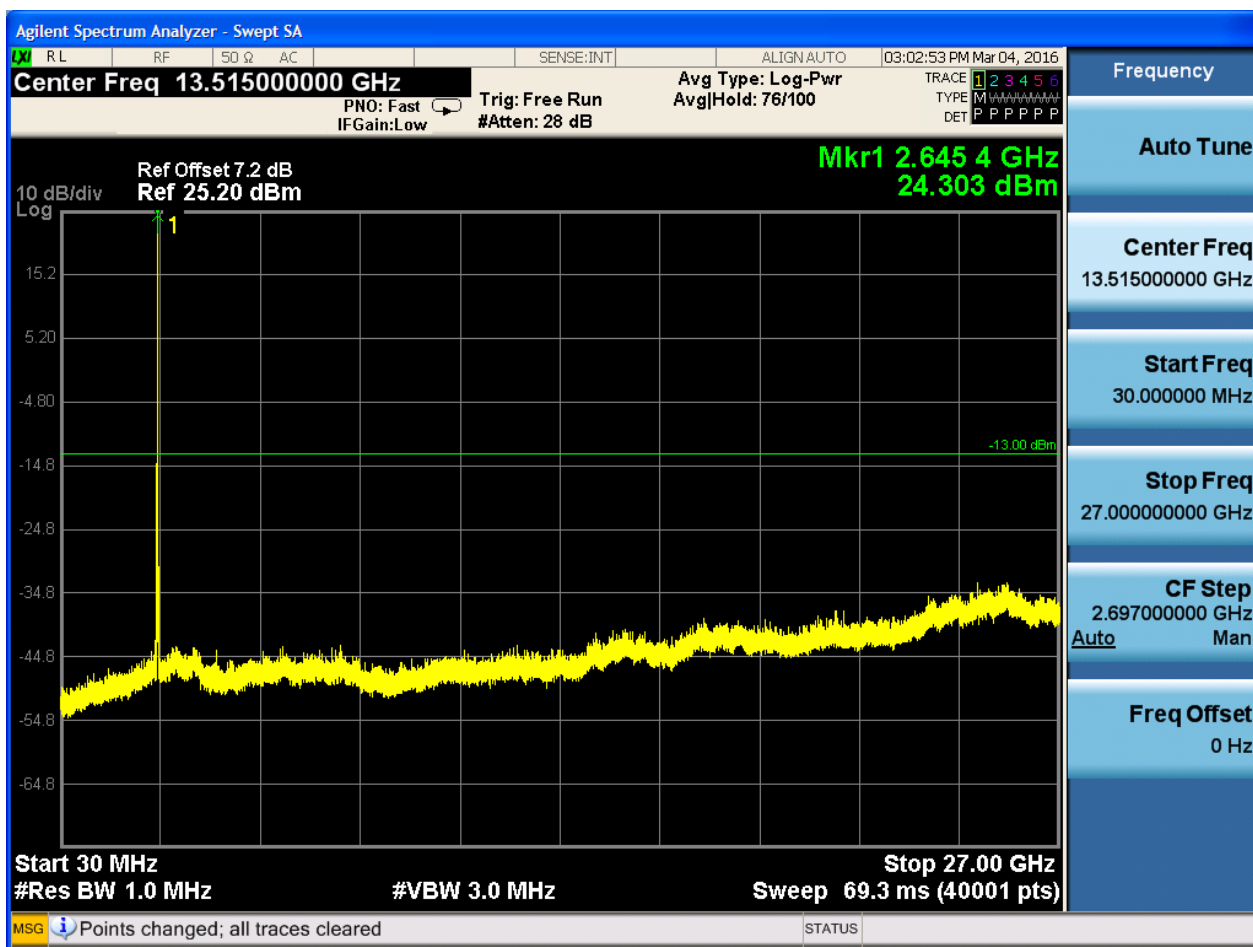


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



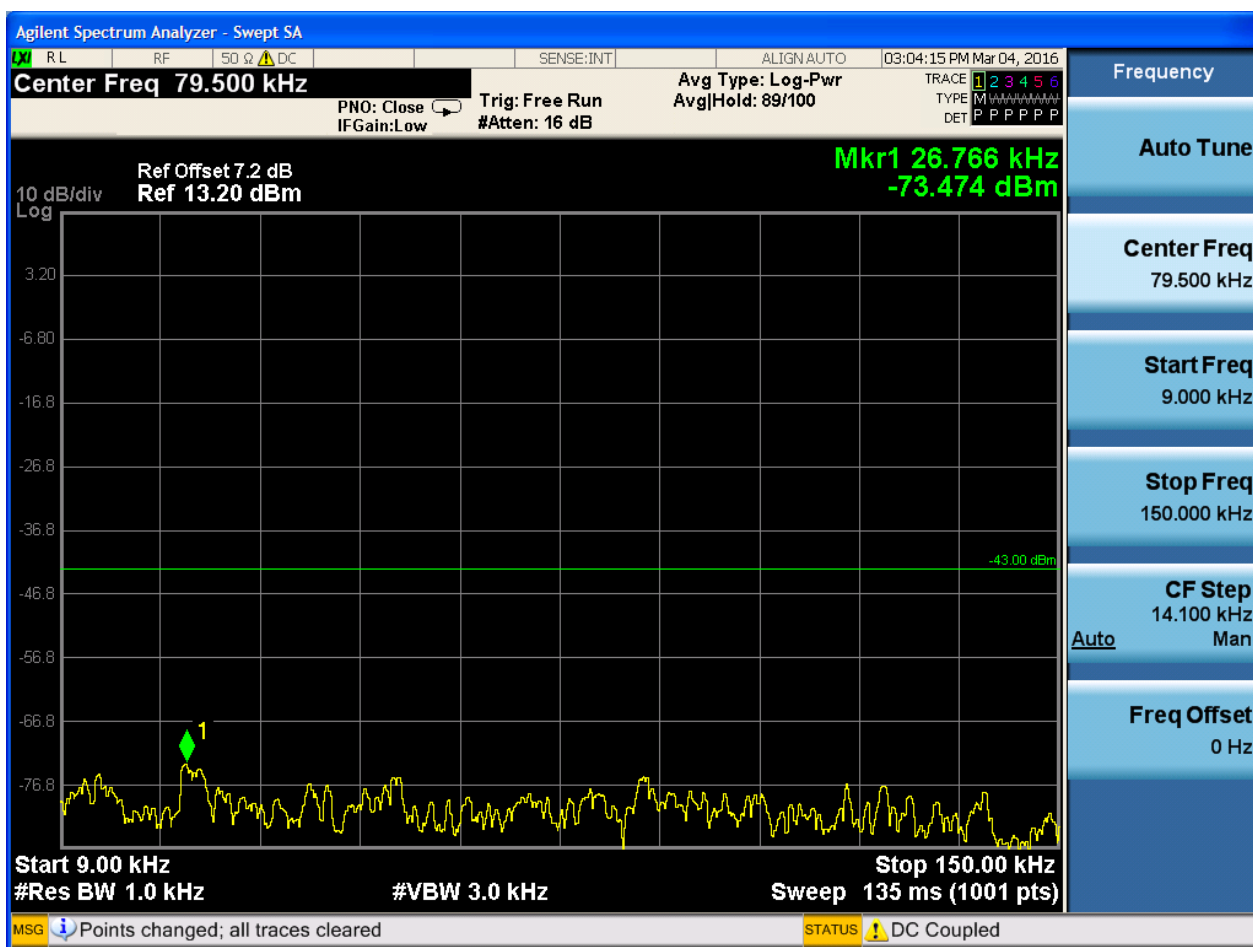


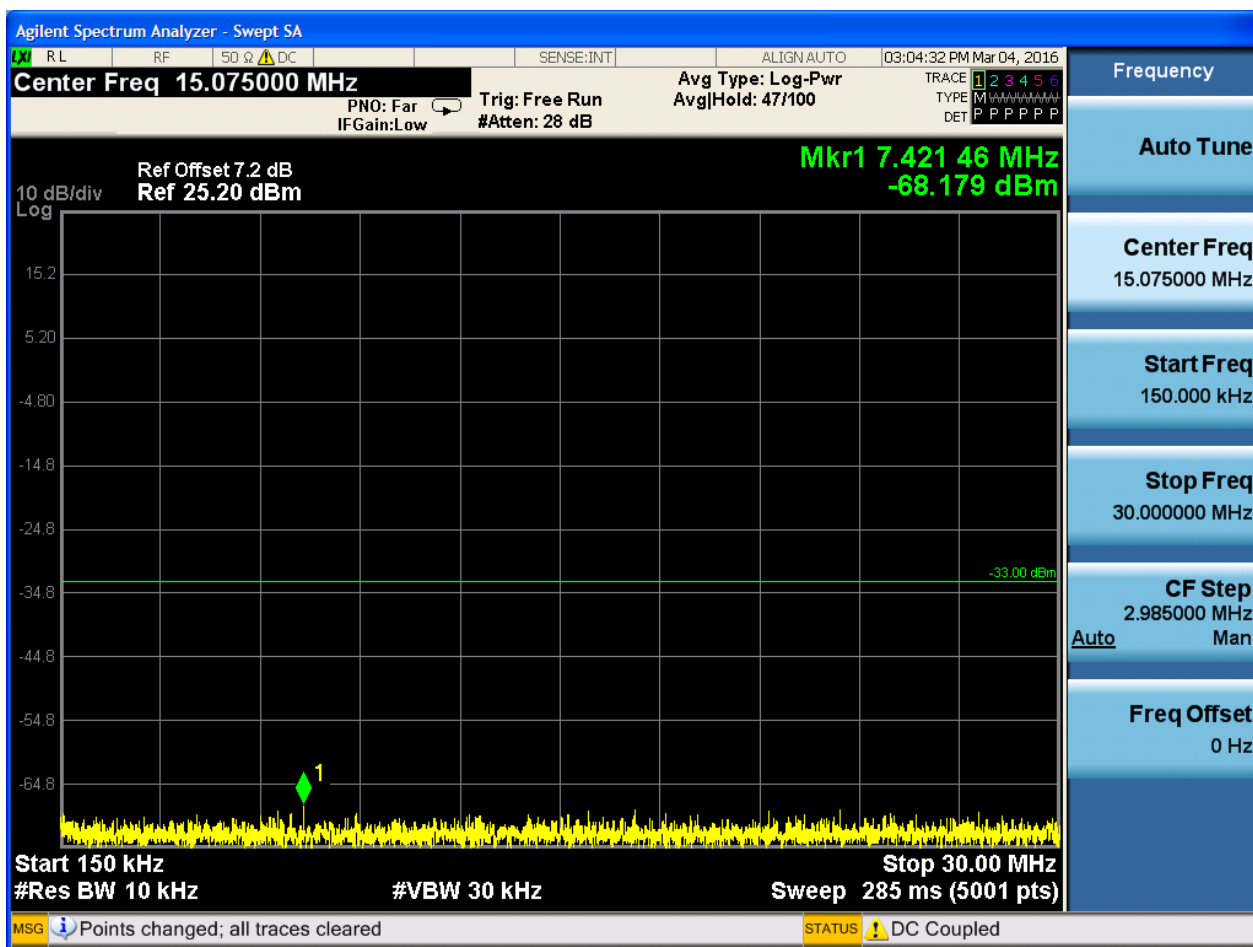


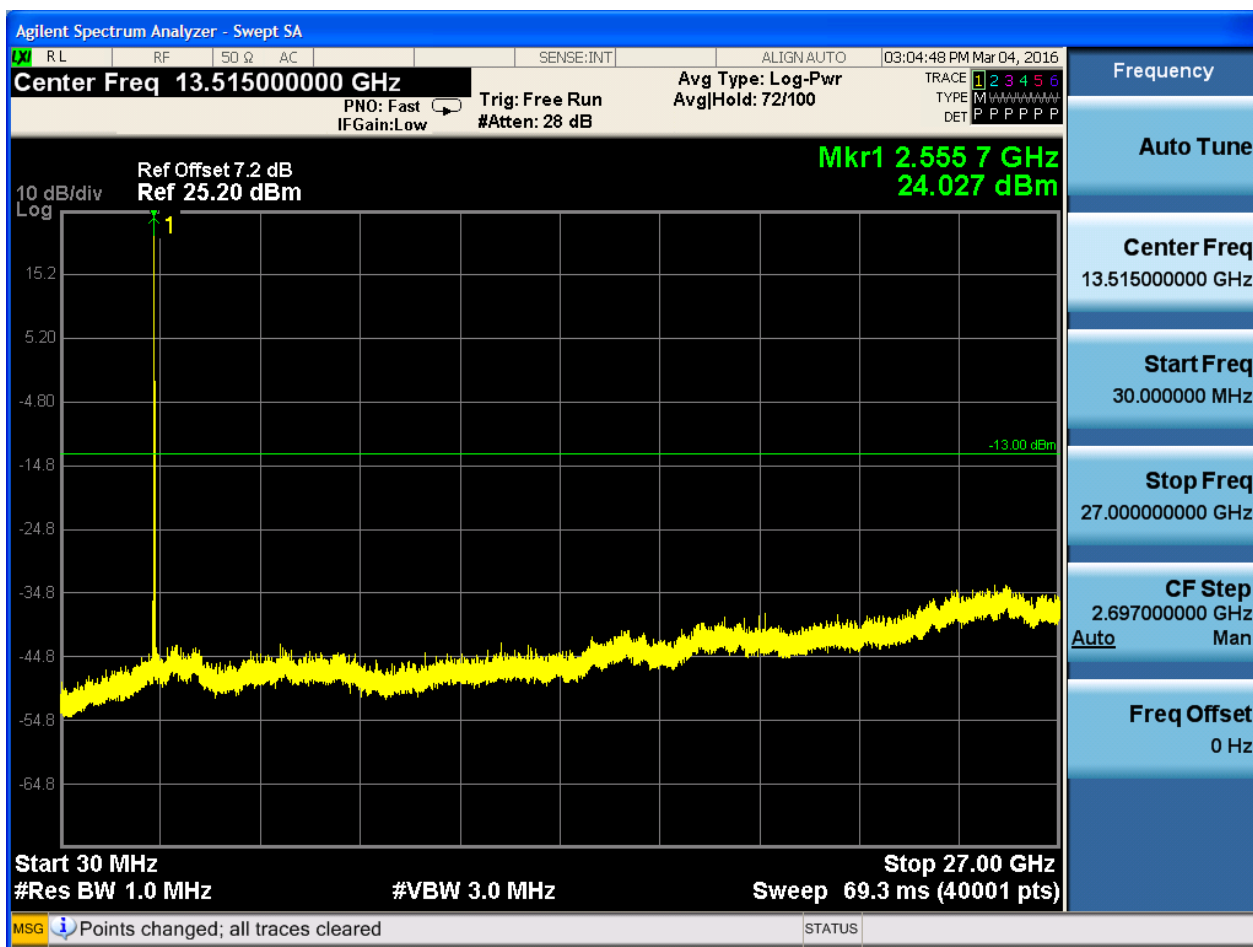
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

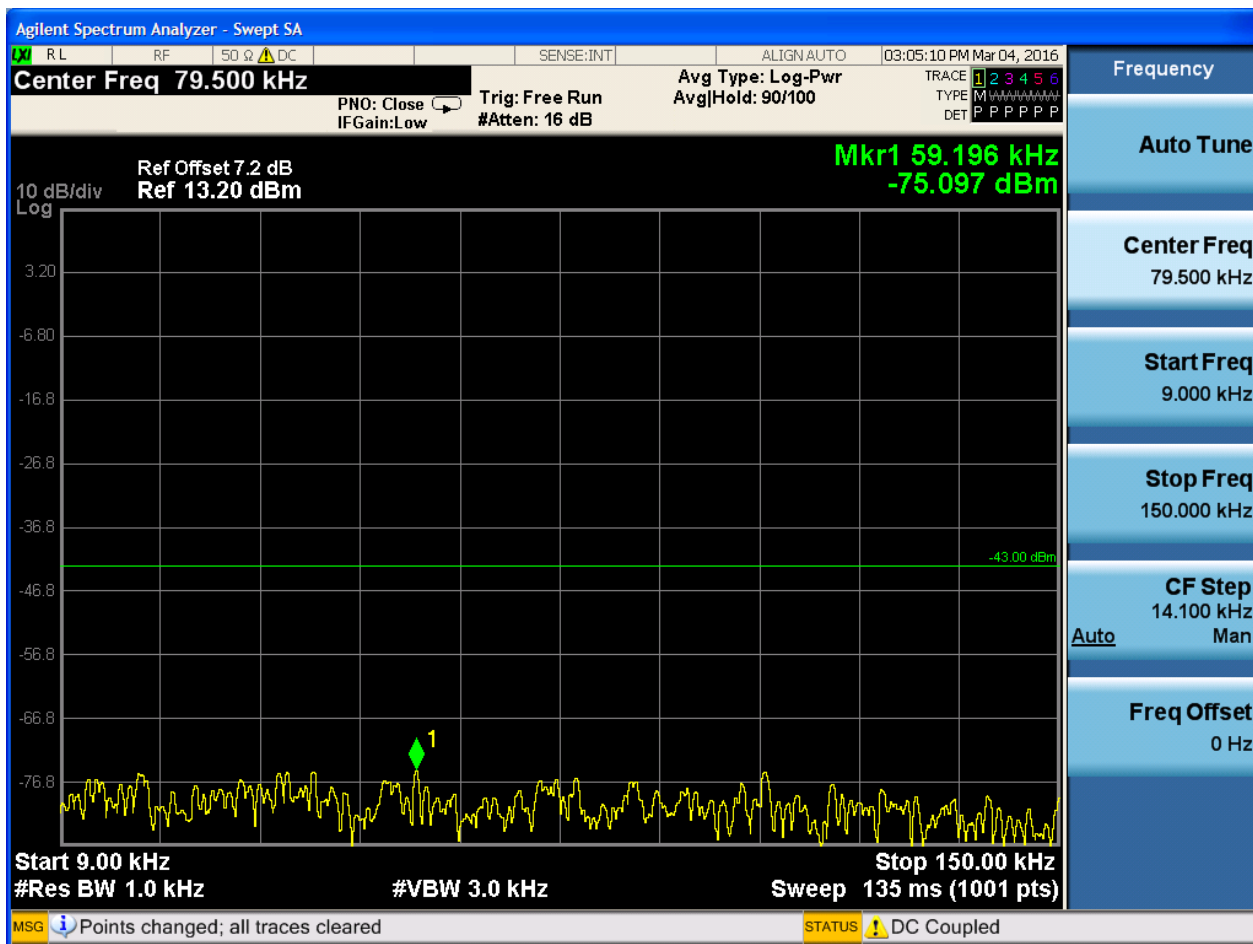


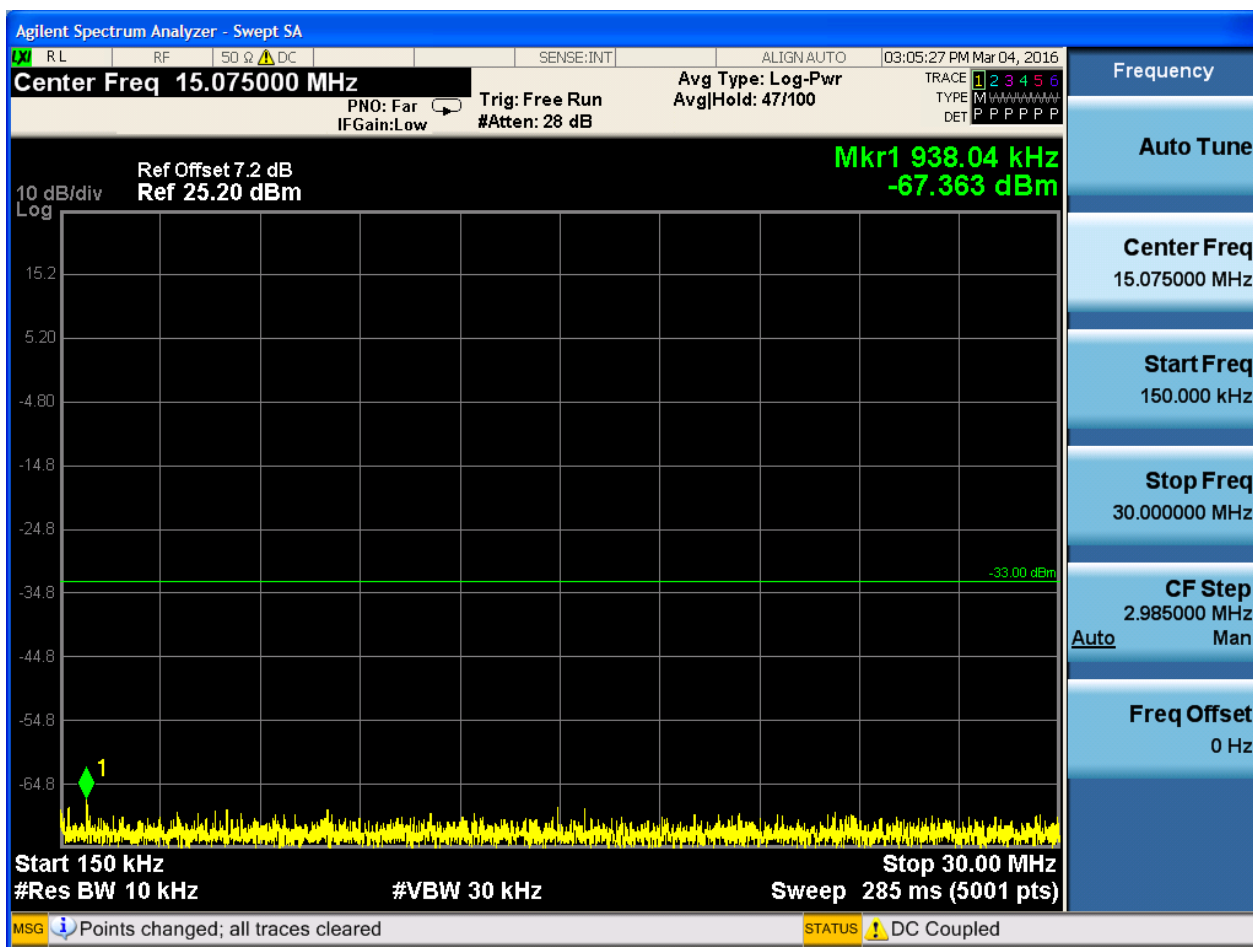


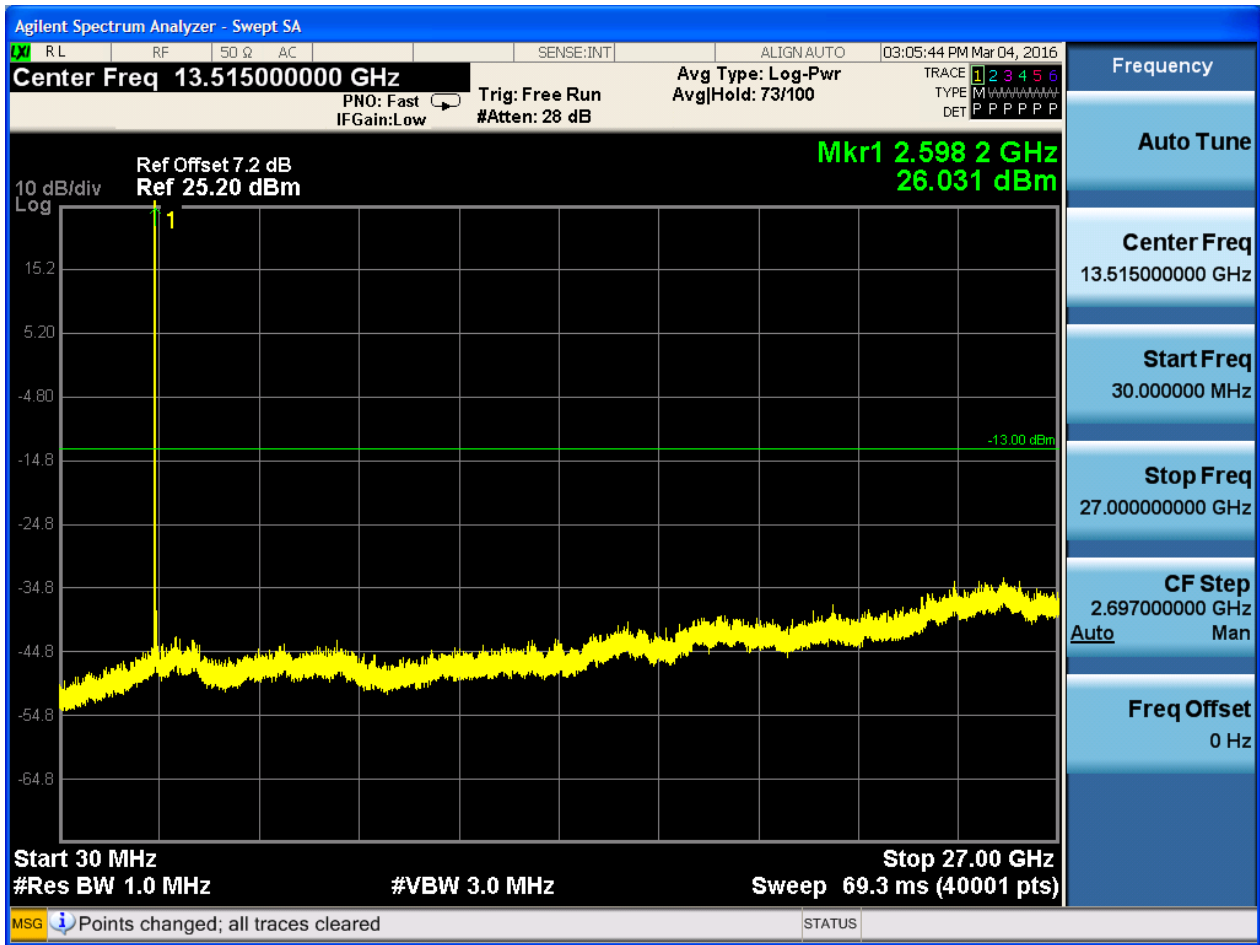


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

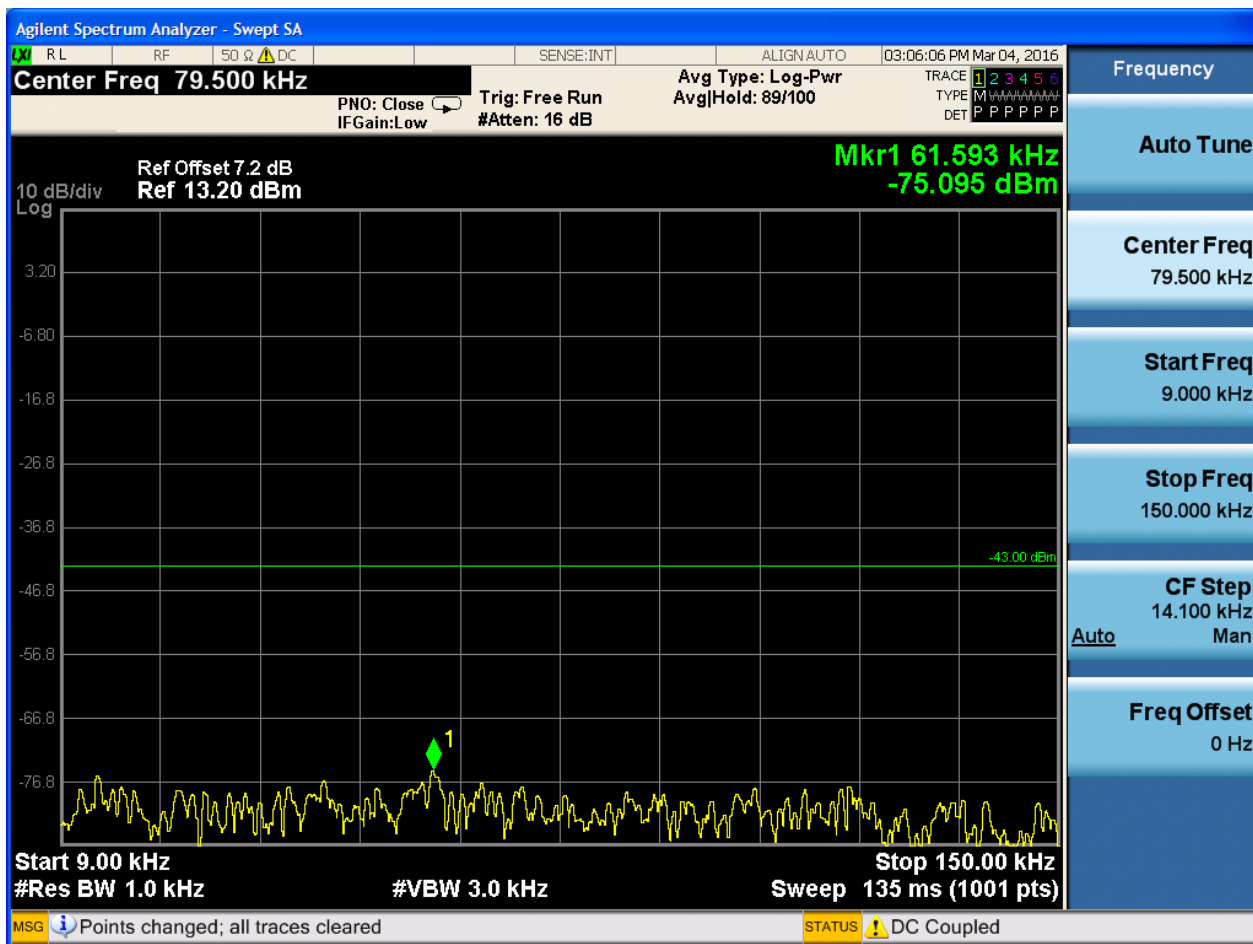


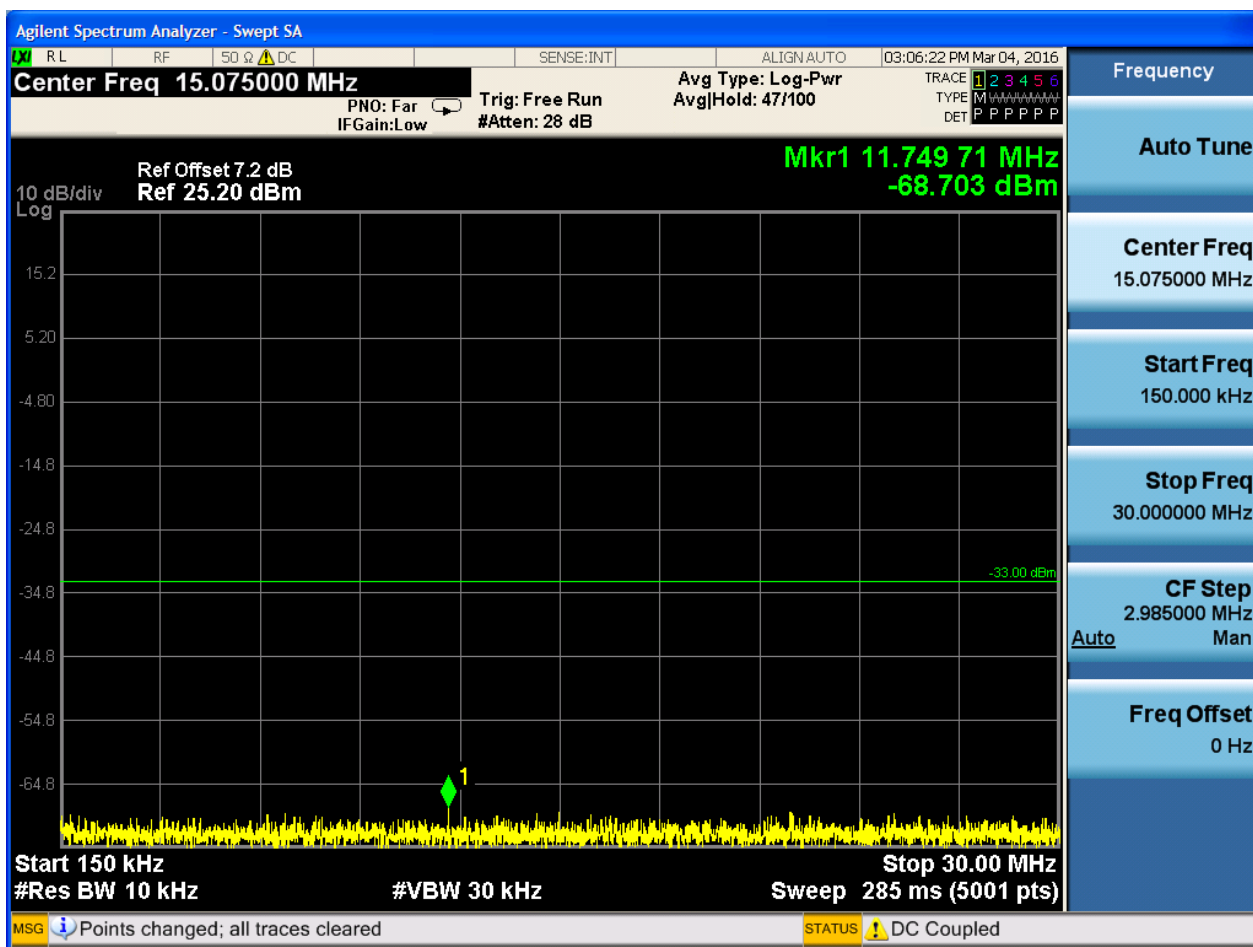


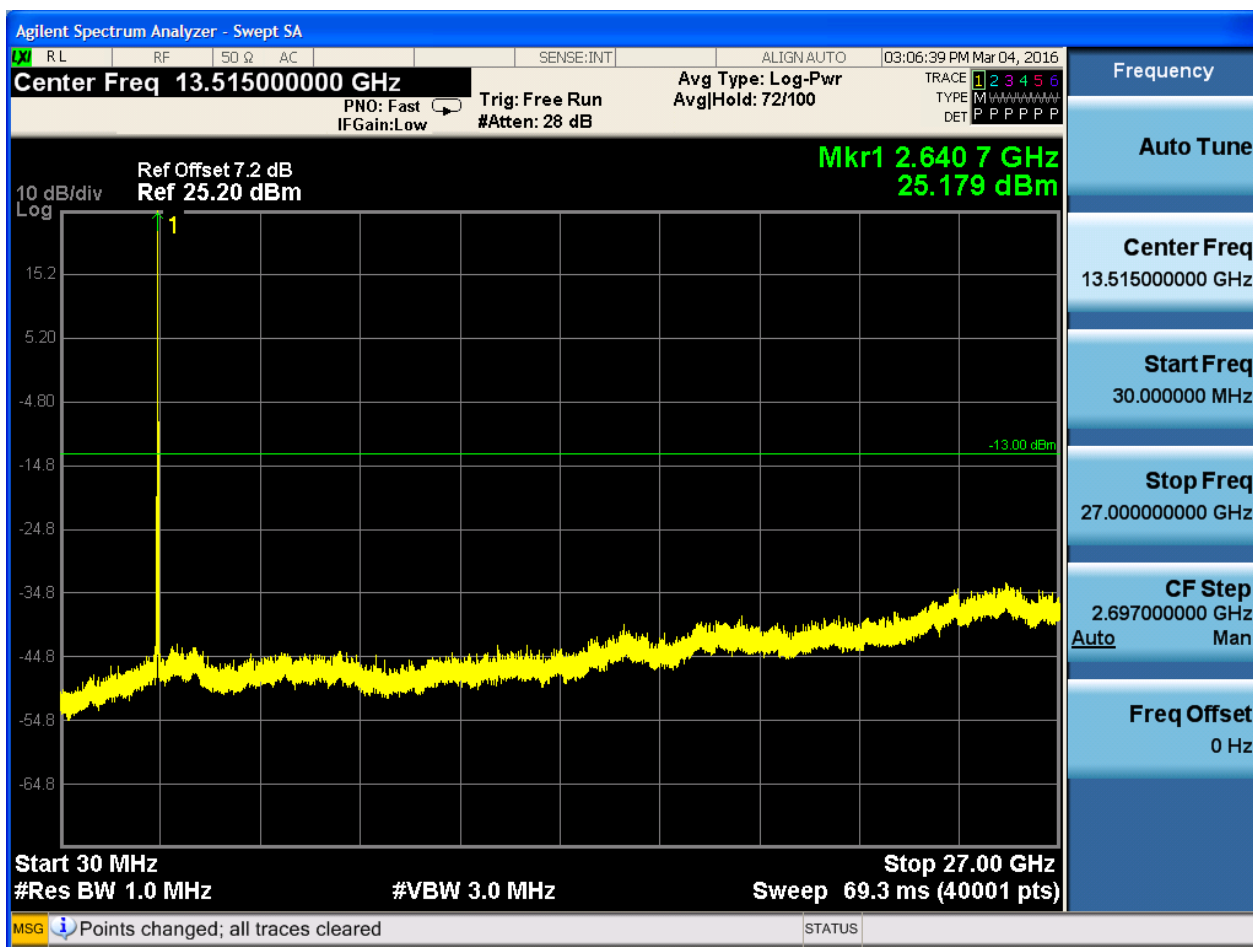


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





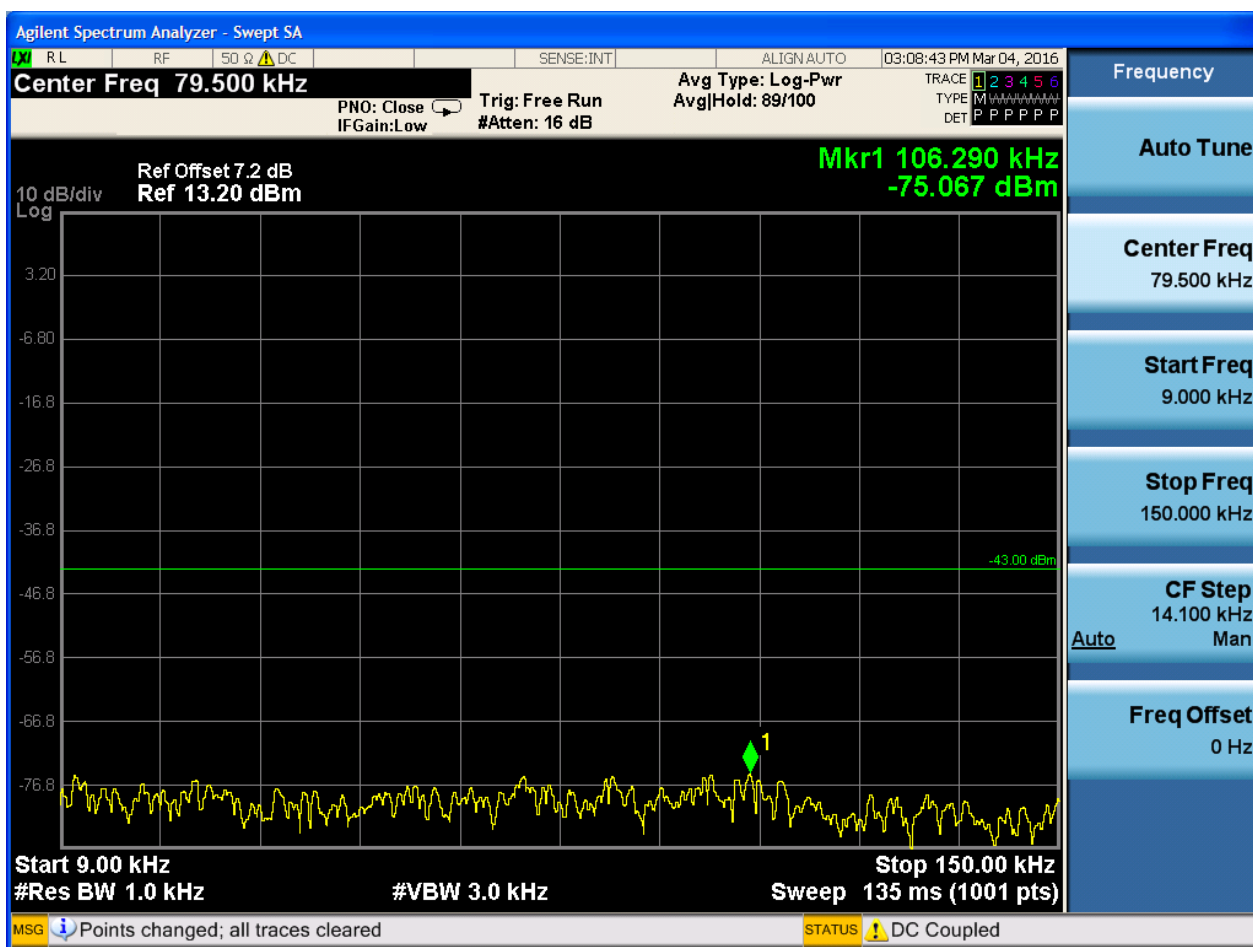




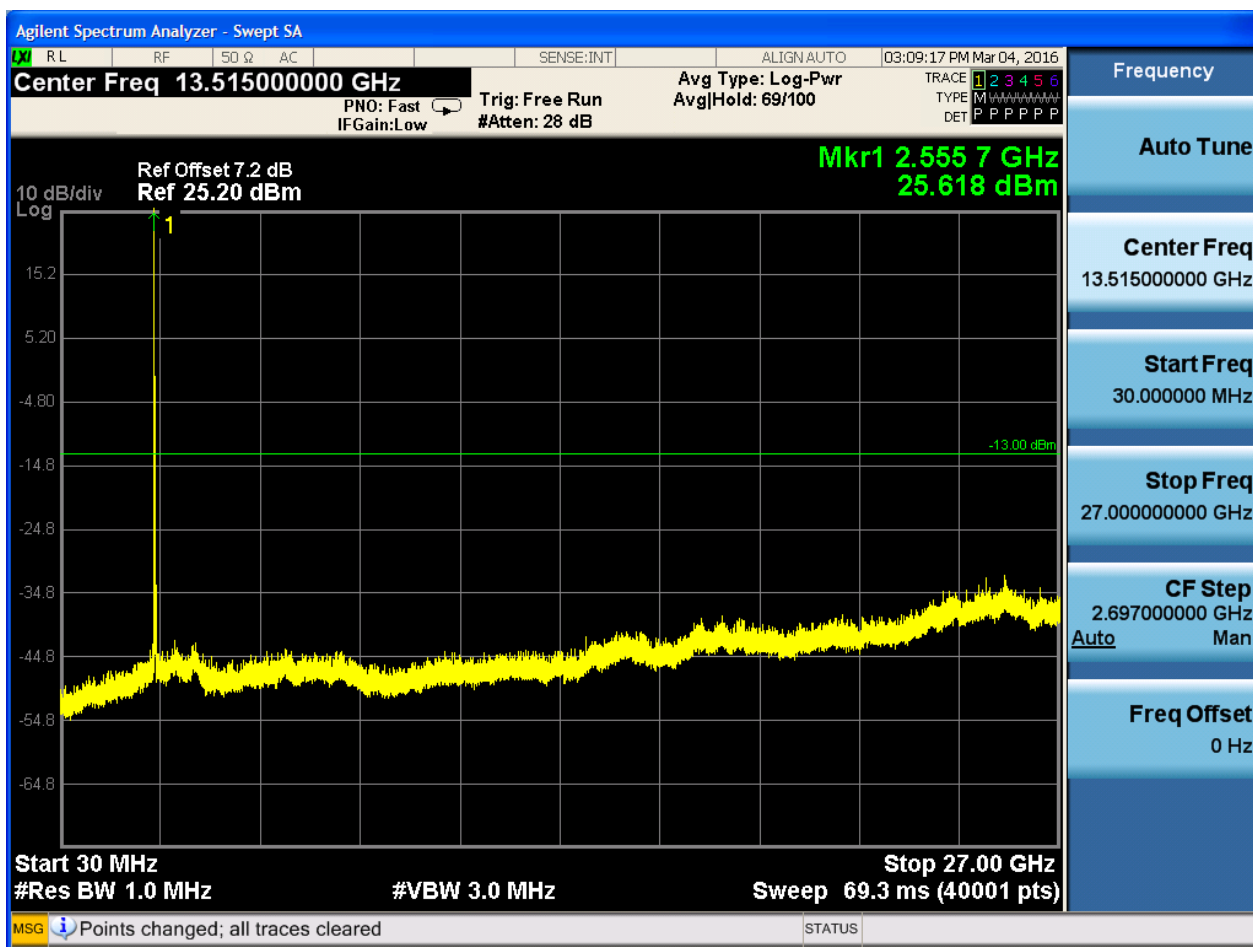
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

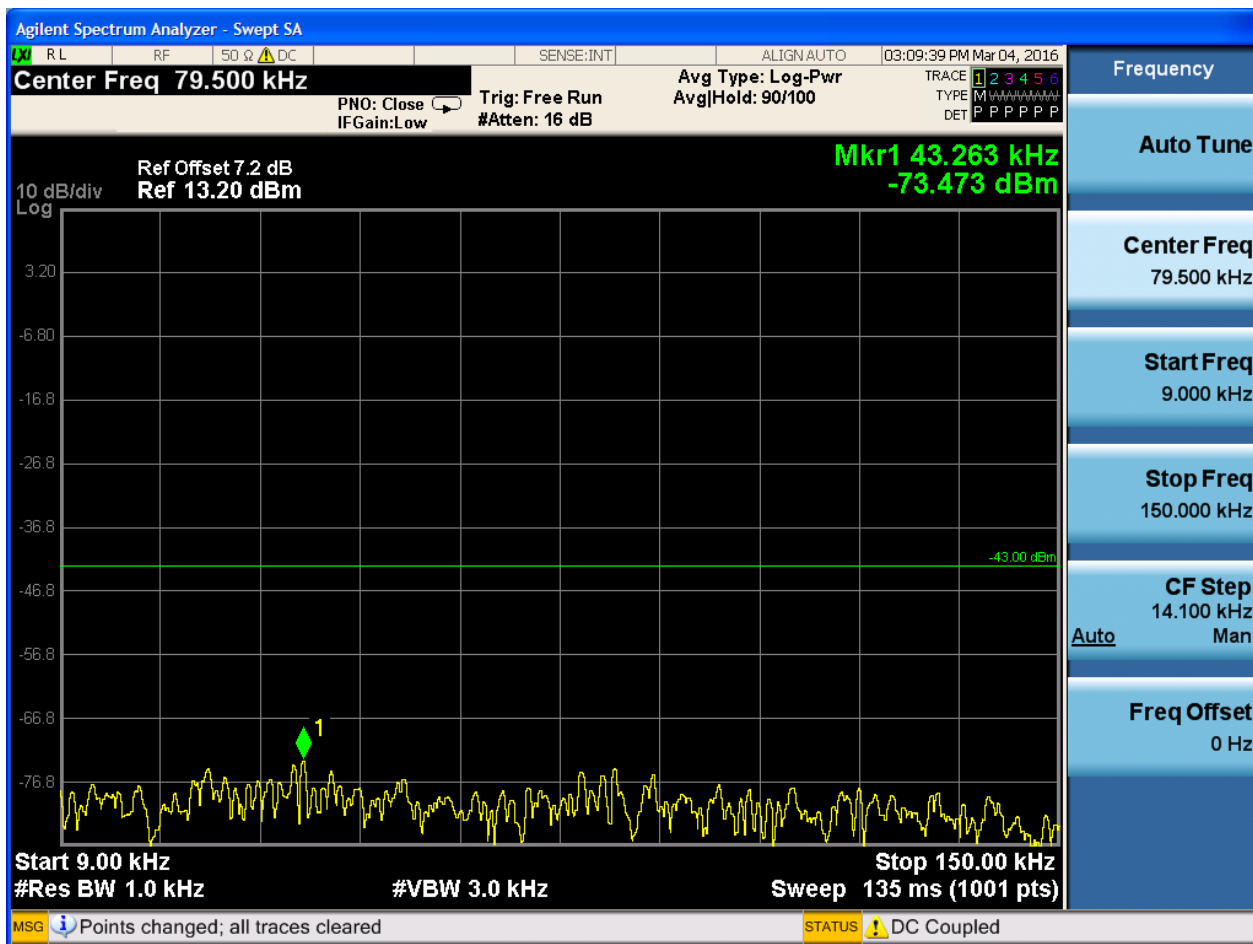




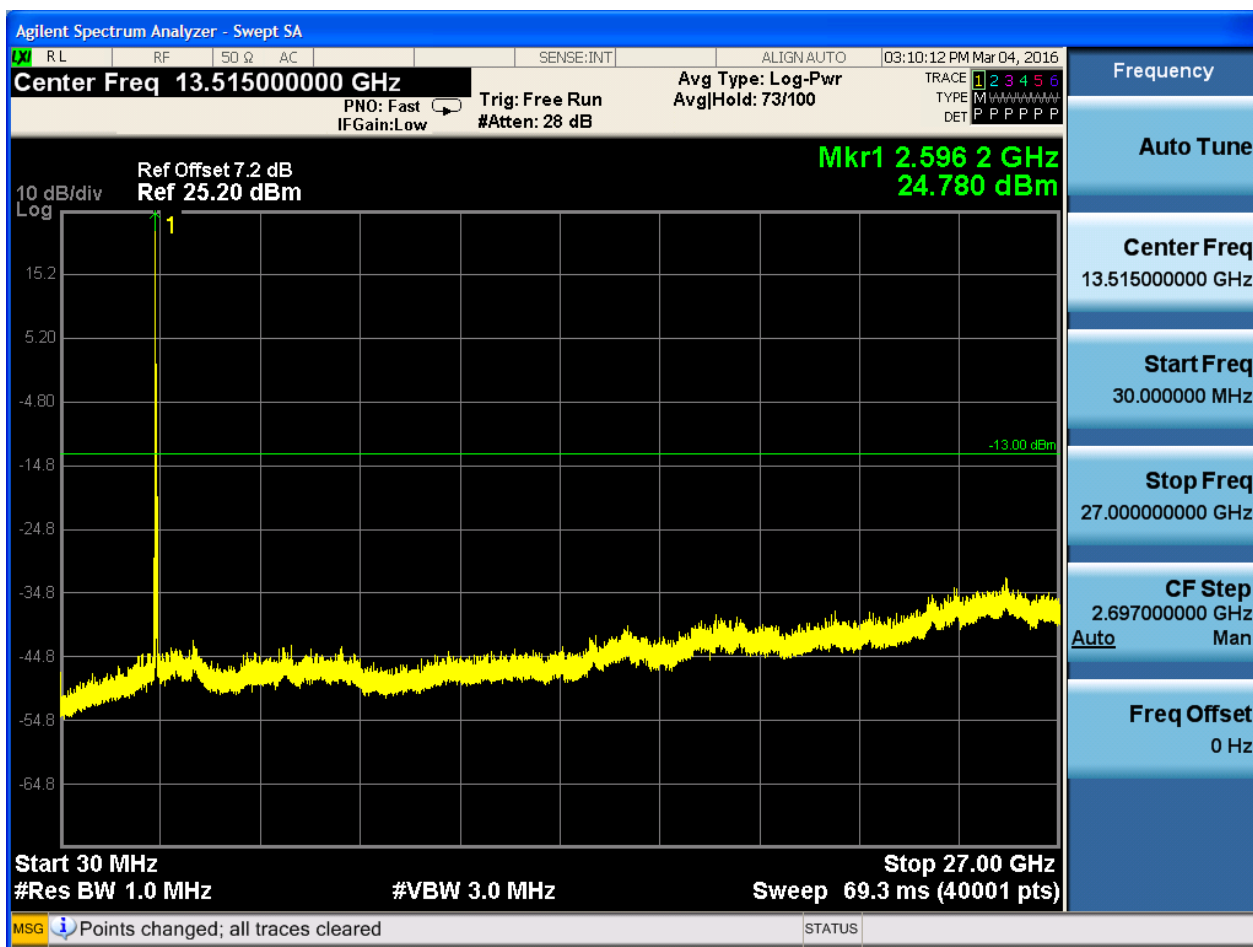


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

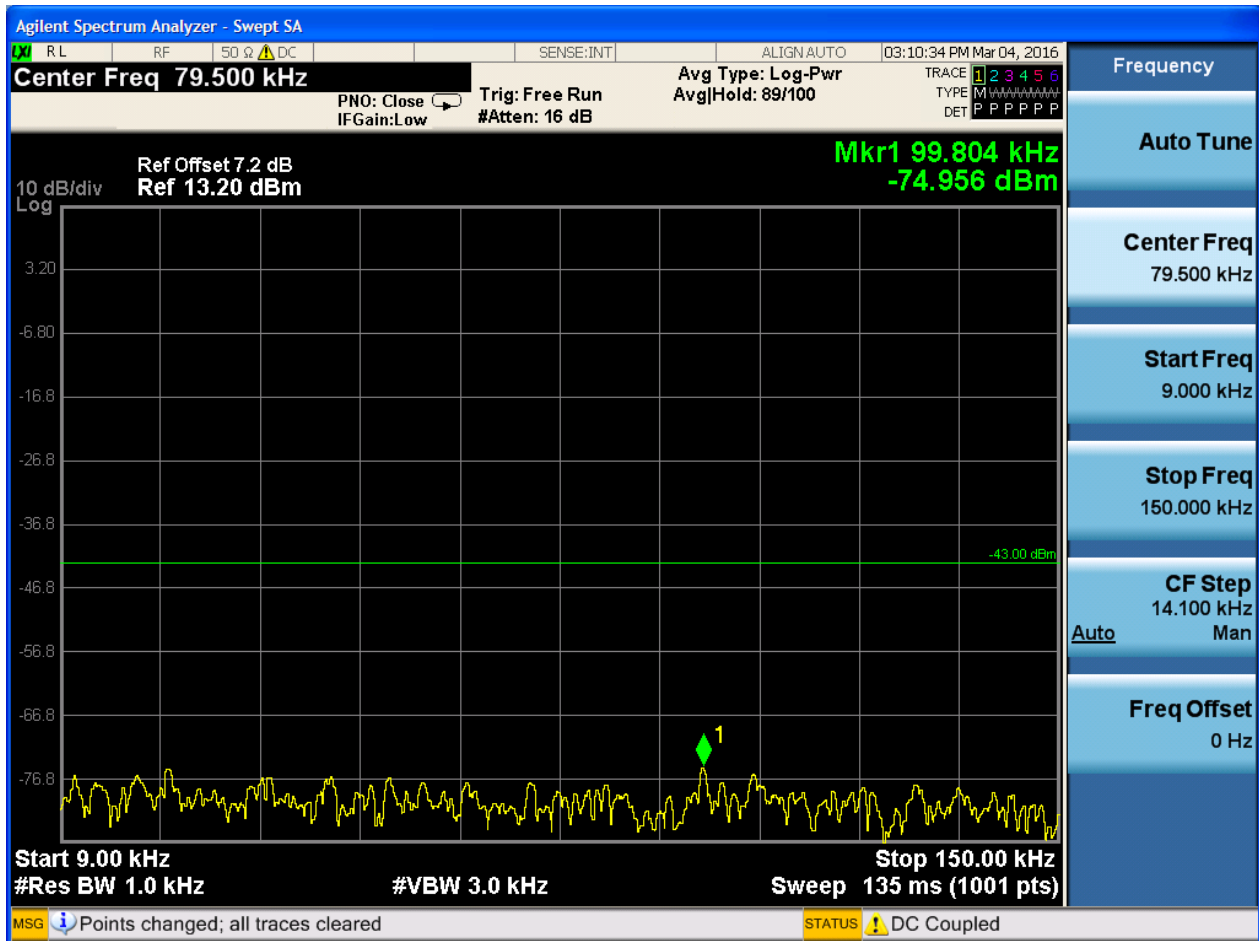


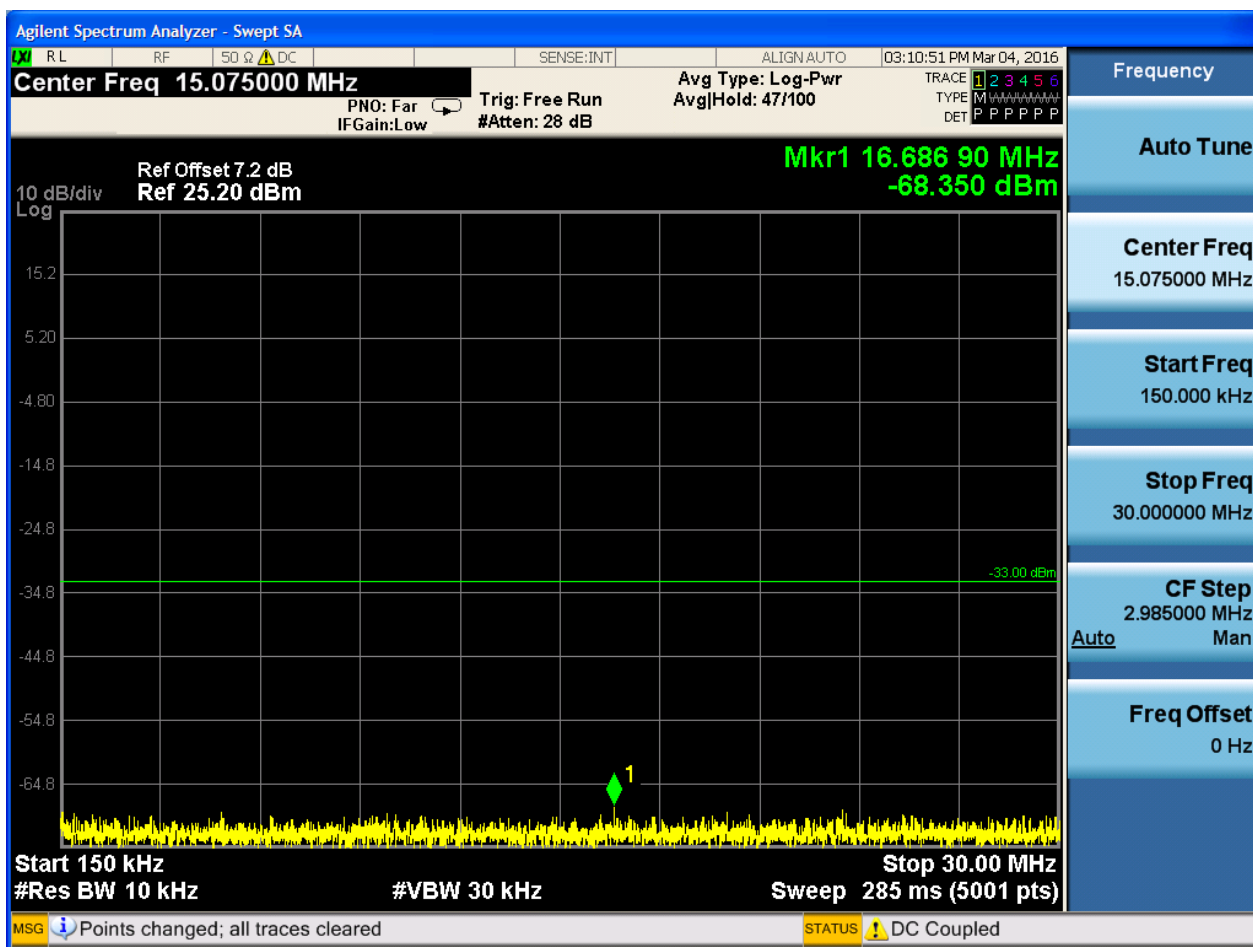


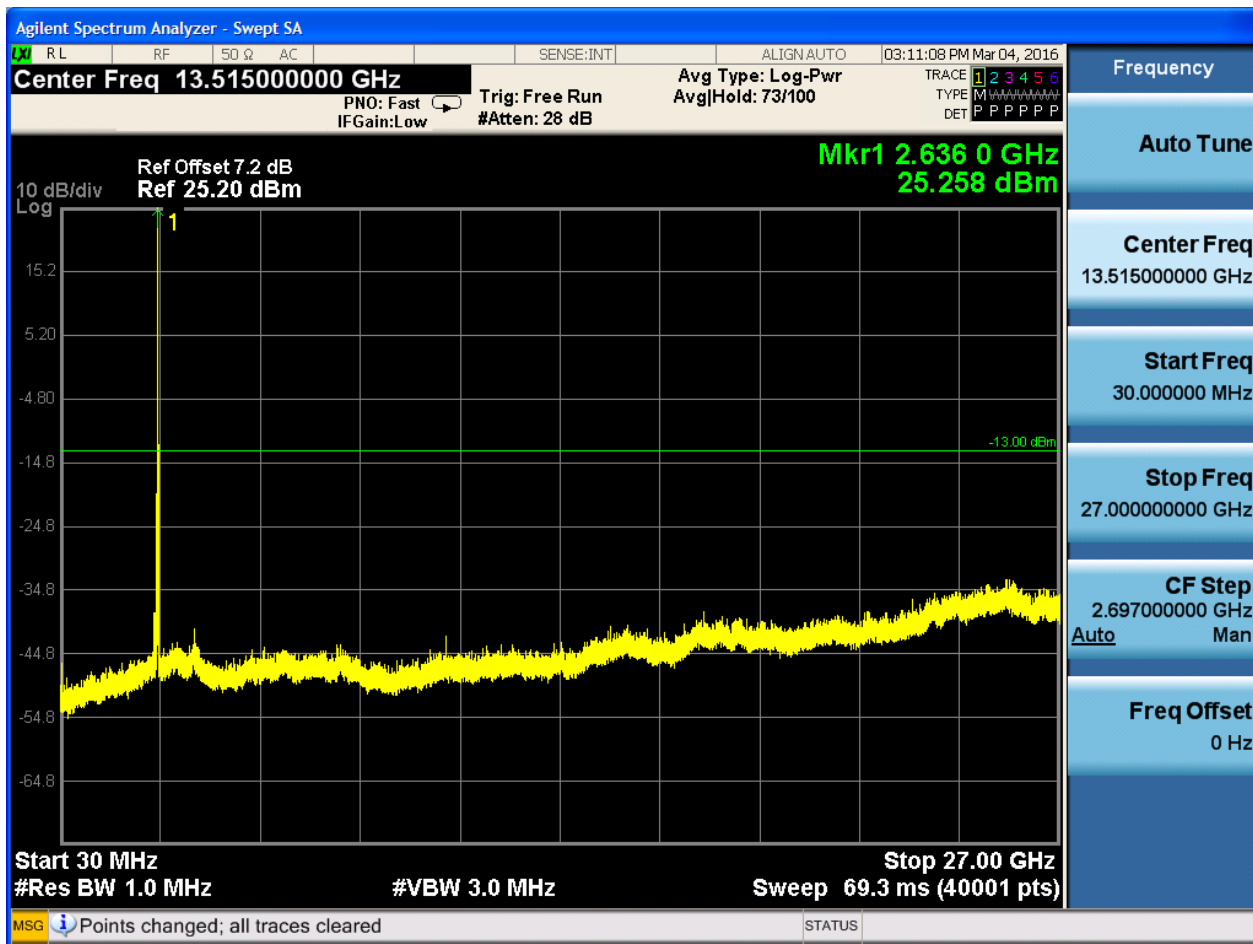


6.1.1.2.4.3 Test Channel = HCH

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

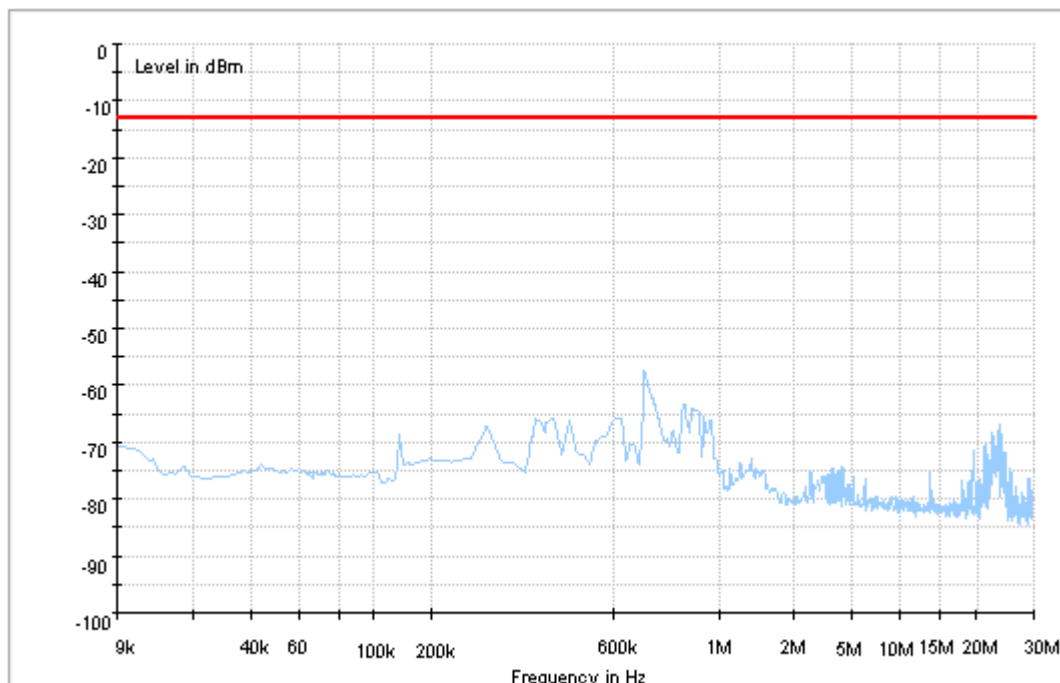
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

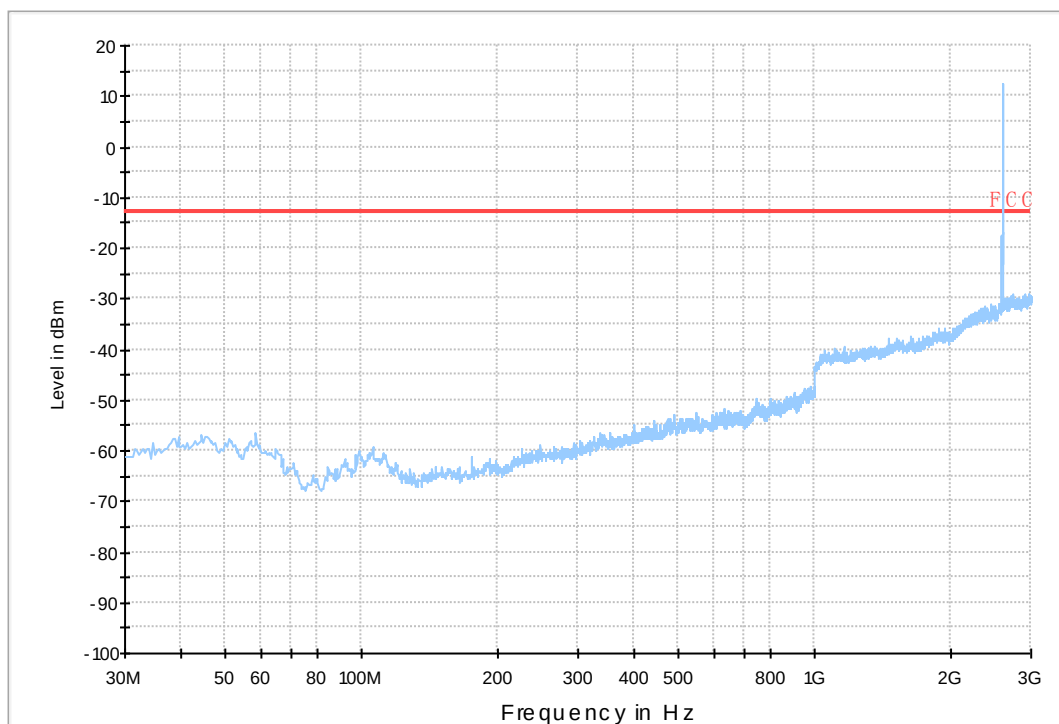
7.1 For LTE

7.1.1 Test Band = BAND41

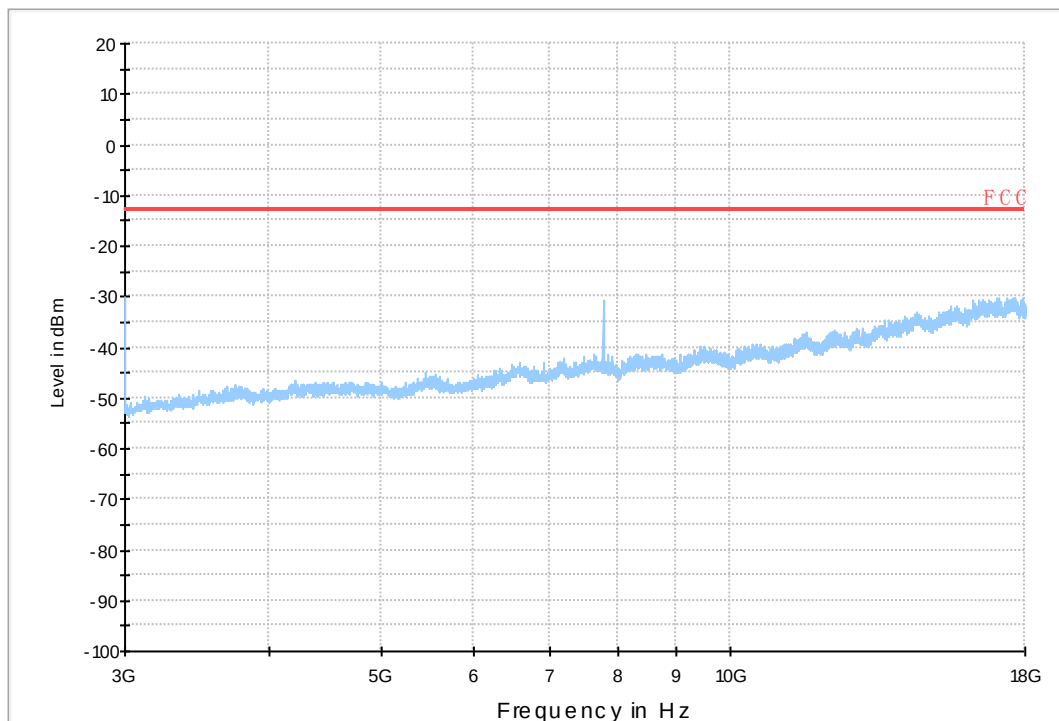
7.1.1.1 Test Bandwidth = 5

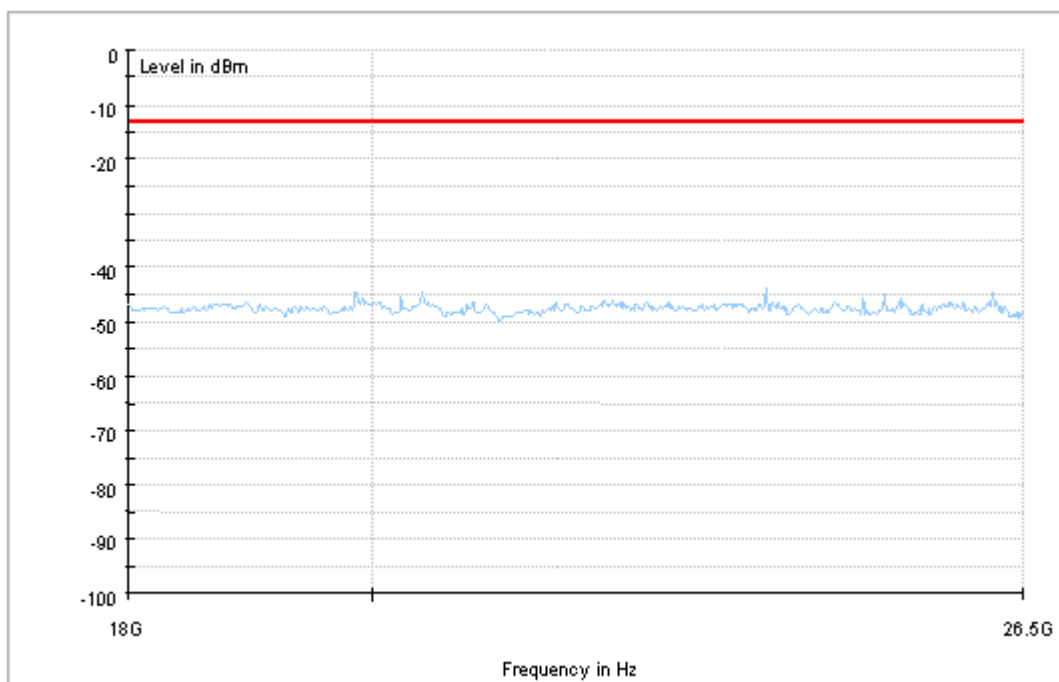


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

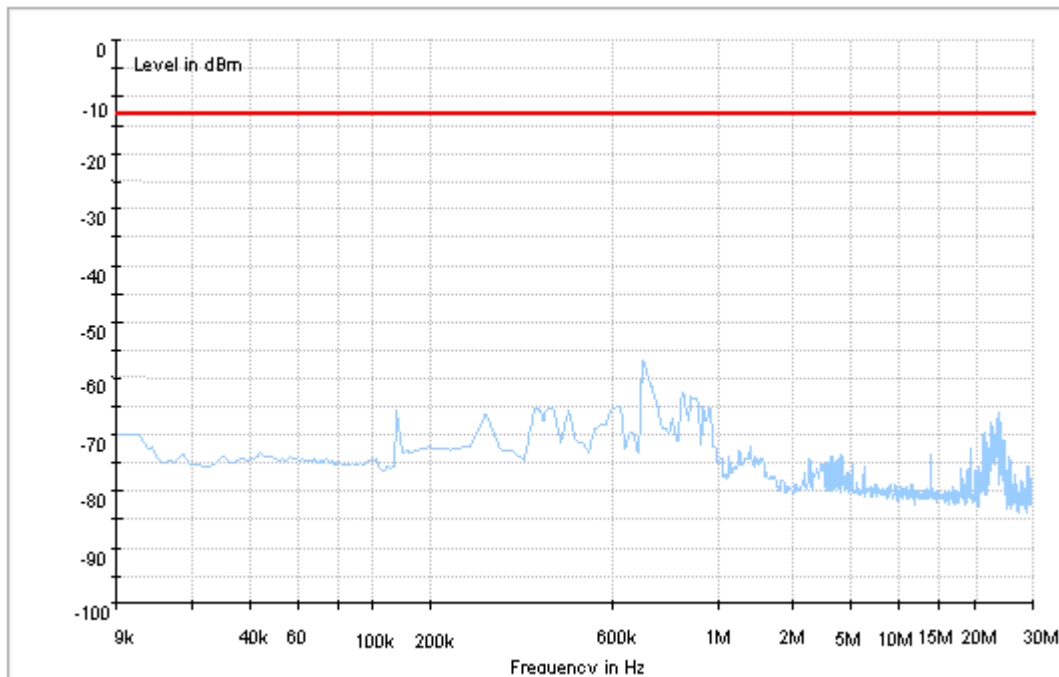


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

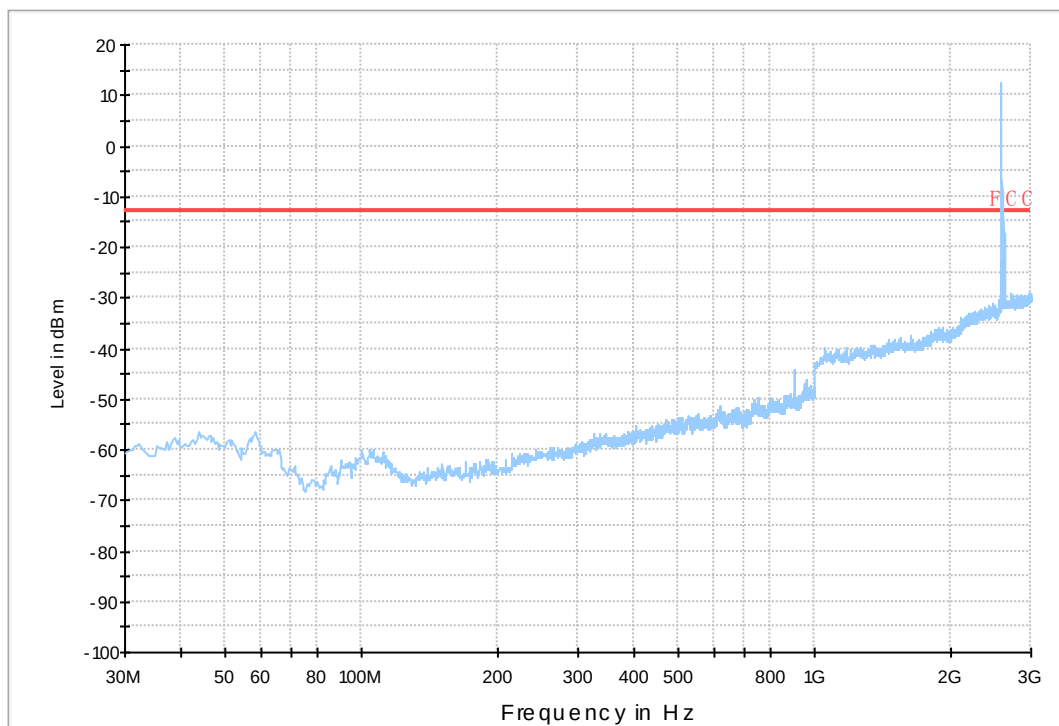




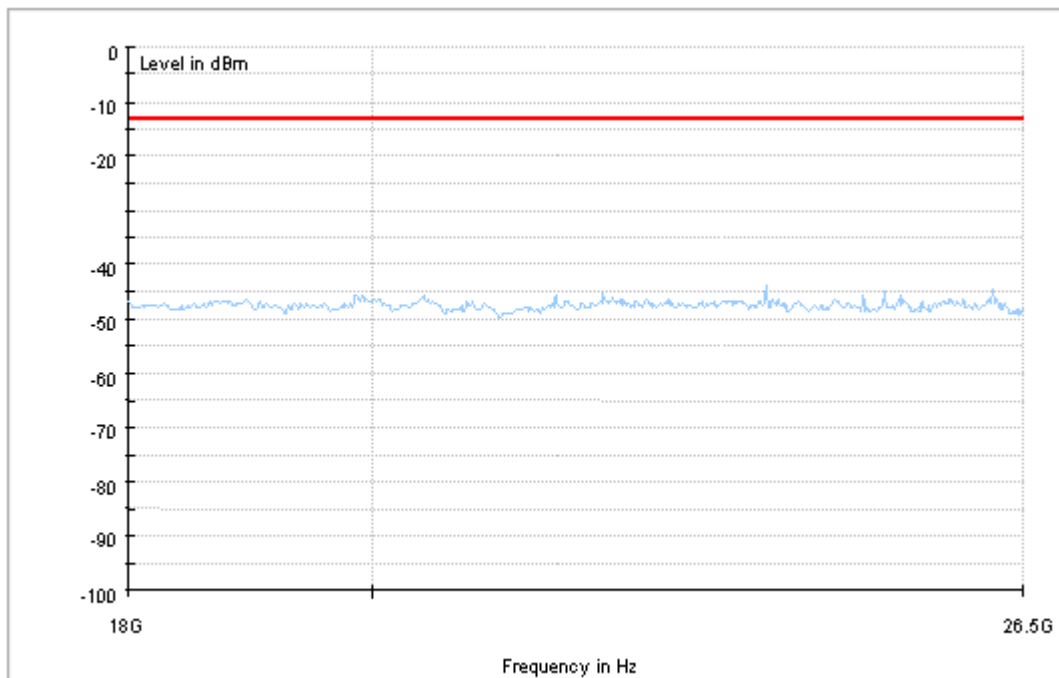
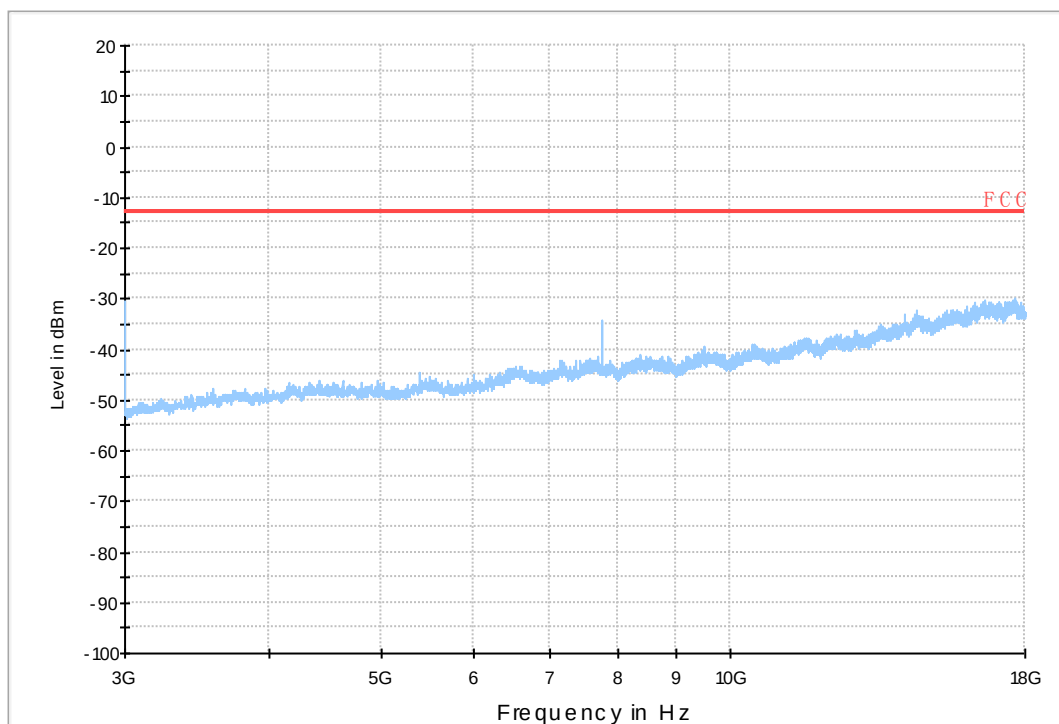
7.1.1.2 Test Bandwidth = 20



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

8.1.1 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
BAND41	LTE/TM1	5	LCH	TN	VL	7.22	0.00282	PASS
					VN	-11.7	-0.00457	PASS
					VH	3.79	0.00148	PASS
			MCH	TN	VL	-4.72	-0.00181	PASS
					VN	2.39	0.00092	PASS
					VH	-11.33	-0.00435	PASS
			HCH	TN	VL	-6.55	-0.00247	PASS
					VN	-9.66	-0.00364	PASS
					VH	-5.76	-0.00217	PASS
		10	LCH	TN	VL	-6.74	-0.00263	PASS
					VN	26.19	0.01023	PASS
					VH	12.04	0.0047	PASS
			MCH	TN	VL	-1.2	-0.00046	PASS
					VN	-1.86	-0.00071	PASS
					VH	-4.56	-0.00175	PASS
			HCH	TN	VL	-4.85	-0.00183	PASS
					VN	3.06	0.00115	PASS
					VH	2.63	0.00099	PASS
		15	LCH	TN	VL	1.67	0.00065	PASS
					VN	-5.18	-0.00202	PASS
					VH	-2.56	-0.001	PASS
			MCH	TN	VL	5.92	0.00227	PASS
					VN	-0.69	-0.00026	PASS
					VH	-0.9	-0.00035	PASS
			HCH	TN	VL	0.1	0.00004	PASS
					VN	-5.74	-0.00217	PASS
					VH	-8.75	-0.00331	PASS
		20	LCH	TN	VL	9.34	0.00364	PASS
					VN	-0.79	-0.00031	PASS
					VH	6.95	0.00271	PASS
			MCH	TN	VL	-19.28	-0.0074	PASS
					VN	-6.77	-0.0026	PASS
					VH	-13.02	-0.005	PASS
			HCH	TN	VL	-0.89	-0.00034	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	-2.69	-0.00102	PASS
					VH	-8.07	-0.00305	PASS
		5	LCH	TN	VL	27.11	0.0106	PASS
					VN	-5.24	-0.00205	PASS
					VH	-22.73	-0.00889	PASS
					VL	3.98	0.00153	PASS
			MCH	TN	VN	2.19	0.00084	PASS
					VH	2.69	0.00103	PASS
					VL	-5.81	-0.00219	PASS
					VN	-17.71	-0.00668	PASS
			HCH	TN	VH	3.12	0.00118	PASS
					VL	-0.43	-0.00017	PASS
					VN	1.77	0.00069	PASS
					VH	3.5	0.00137	PASS
		10	LCH	TN	VL	0.44	0.00017	PASS
					VN	-4.13	-0.00159	PASS
					VH	-5.46	-0.0021	PASS
			MCH	TN	VL	5.94	0.00224	PASS
					VN	-0.1	-0.00004	PASS
					VH	4.71	0.00178	PASS
			HCH	TN	VL	4.39	0.00171	PASS
					VN	1.56	0.00061	PASS
					VH	-0.27	-0.00011	PASS
			MCH	TN	VL	-4.41	-0.00169	PASS
					VN	-1.33	-0.00051	PASS
					VH	1	0.00038	PASS
		15	LCH	TN	VL	-2.5	-0.00094	PASS
					VN	-5.87	-0.00222	PASS
					VH	-6.17	-0.00233	PASS
			MCH	TN	VL	4.32	0.00168	PASS
					VN	-6.57	-0.00256	PASS
					VH	4.11	0.0016	PASS
			MCH	TN	VL	0.87	0.00033	PASS
					VN	-4.84	-0.00186	PASS
					VH	-7.15	-0.00274	PASS
			HCH	TN	VL	-4.66	-0.00176	PASS
					VN	-12.39	-0.00468	PASS
					VH	-4.12	-0.00156	PASS
		20	LCH	TN	VL	4.32	0.00168	PASS
					VN	-6.57	-0.00256	PASS
					VH	4.11	0.0016	PASS
			MCH	TN	VL	0.87	0.00033	PASS
					VN	-4.84	-0.00186	PASS
					VH	-7.15	-0.00274	PASS
			HCH	TN	VL	-4.66	-0.00176	PASS
					VN	-12.39	-0.00468	PASS
					VH	-4.12	-0.00156	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	-4.56	-0.00178	PASS
					-20	5.58	0.00218	PASS
					-10	3.18	0.00124	PASS
					0	-0.89	-0.00035	PASS
					10	-5.01	-0.00196	PASS
					20	-0.26	-0.0001	PASS
					30	5.19	0.00203	PASS
					40	-6.94	-0.00271	PASS
					50	2.95	0.00115	PASS
			MCH	VN	-30	-8.35	-0.00321	PASS
					-20	8.74	0.00336	PASS
					-10	-11.84	-0.00455	PASS
					0	1.17	0.00045	PASS
					10	-14.83	-0.00569	PASS
					20	2.86	0.0011	PASS
					30	-8.55	-0.00328	PASS
					40	4.95	0.0019	PASS
					50	-0.3	-0.00012	PASS
			HCH	VN	-30	-10.96	-0.00413	PASS
					-20	-4.52	-0.0017	PASS
					-10	-3.39	-0.00128	PASS
					0	-5.78	-0.00218	PASS
					10	-9	-0.00339	PASS
					20	-2.49	-0.00094	PASS
					30	-6.55	-0.00247	PASS
					40	-3.78	-0.00143	PASS
					50	-9.27	-0.00349	PASS
		10	LCH	VN	-30	13.18	0.00515	PASS
					-20	17.55	0.00686	PASS
					-10	8.61	0.00336	PASS
					0	62.6	0.02445	PASS
					10	-3.4	-0.00133	PASS
					20	33.4	0.01305	PASS
					30	1.37	0.00054	PASS
					40	14.63	0.00571	PASS
					50	-21.49	-0.00839	PASS
			MCH	VN	-30	-0.57	-0.00022	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	13.3	0.00511	PASS
					-10	-2.32	-0.00089	PASS
					0	0.93	0.00036	PASS
					10	-4.39	-0.00169	PASS
					20	6.44	0.00247	PASS
					30	-4.55	-0.00175	PASS
					40	6.54	0.00251	PASS
					50	-7.15	-0.00274	PASS
			HCH	VN	-30	-3.23	-0.00122	PASS
					-20	6.34	0.00239	PASS
					-10	-2.99	-0.00113	PASS
					0	-4.82	-0.00182	PASS
					10	-9.57	-0.00361	PASS
					20	-10.63	-0.00401	PASS
					30	-3.49	-0.00132	PASS
					40	-3.33	-0.00126	PASS
					50	-6.68	-0.00252	PASS
		15	LCH	VN	-30	6.39	0.00249	PASS
					-20	-0.39	-0.00015	PASS
					-10	4.55	0.00178	PASS
					0	-0.1	-0.00004	PASS
					10	7.21	0.00281	PASS
					20	0.92	0.00036	PASS
					30	10.31	0.00402	PASS
					40	8.64	0.00337	PASS
					50	0.1	0.00004	PASS
			MCH	VN	-30	-7.02	-0.00269	PASS
					-20	-6.78	-0.0026	PASS
					-10	-10.63	-0.00408	PASS
					0	-5.81	-0.00223	PASS
					10	-4.39	-0.00169	PASS
					20	-3.26	-0.00125	PASS
					30	-6.37	-0.00245	PASS
					40	4.62	0.00177	PASS
					50	-5.65	-0.00217	PASS
			HCH	VN	-30	-4.73	-0.00179	PASS
					-20	-12.83	-0.00485	PASS
					-10	-3.23	-0.00122	PASS
					0	-6.02	-0.00227	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-15.25	-0.00576	PASS
					20	-41.89	-0.01582	PASS
					30	-4.62	-0.00175	PASS
					40	2.69	0.00102	PASS
					50	-6.32	-0.00239	PASS
			LCH	VN	-30	2.12	0.00083	PASS
					-20	1.52	0.00059	PASS
					-10	3.15	0.00123	PASS
					0	-5.98	-0.00233	PASS
					10	2.7	0.00105	PASS
					20	-7.64	-0.00298	PASS
					30	7.8	0.00304	PASS
					40	6.81	0.00265	PASS
					50	-14.19	-0.00553	PASS
			MCH	VN	-30	-8.38	-0.00322	PASS
					-20	-7.42	-0.00285	PASS
					-10	-4.95	-0.0019	PASS
					0	-4.22	-0.00162	PASS
					10	-3.49	-0.00134	PASS
					20	-7.35	-0.00282	PASS
					30	-3.68	-0.00141	PASS
					40	-8.23	-0.00316	PASS
					50	-3.89	-0.00149	PASS
			HCH	VN	-30	0.17	0.00006	PASS
					-20	-9.4	-0.00355	PASS
					-10	0.26	0.0001	PASS
					0	2.6	0.00098	PASS
					10	-7.51	-0.00284	PASS
					20	-2.16	-0.00082	PASS
					30	-3.03	-0.00115	PASS
					40	-3.82	-0.00144	PASS
					50	-6.42	-0.00243	PASS
	LTE/TM2	5	LCH	VN	-30	15.12	0.00591	PASS
					-20	2.22	0.00087	PASS
					-10	3.03	0.00118	PASS
					0	2.12	0.00083	PASS
					10	-9.58	-0.00375	PASS
					20	4.66	0.00182	PASS
					30	-1.06	-0.00041	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	7.12	0.00278	PASS
					50	-4.56	-0.00178	PASS
			MCH	VN	-30	4.13	0.00159	PASS
					-20	-3.89	-0.00149	PASS
					-10	2.26	0.00087	PASS
					0	1.5	0.00058	PASS
					10	-1.73	-0.00066	PASS
					20	1.07	0.00041	PASS
					30	-10.69	-0.0041	PASS
					40	-6.84	-0.00263	PASS
					50	-8.14	-0.00312	PASS
			HCH	VN	-30	-15.32	-0.00578	PASS
					-20	0.26	0.0001	PASS
					-10	3.65	0.00138	PASS
					0	-2.2	-0.00083	PASS
					10	-2.22	-0.00084	PASS
					20	-2.02	-0.00076	PASS
					30	-4.88	-0.00184	PASS
					40	-7.74	-0.00292	PASS
					50	-10.24	-0.00386	PASS
		10	LCH	VN	-30	10.61	0.00414	PASS
					-20	15.58	0.00609	PASS
					-10	10.99	0.00429	PASS
					0	6.74	0.00263	PASS
					10	4.82	0.00188	PASS
					20	3.59	0.0014	PASS
					30	8.94	0.00349	PASS
					40	6.67	0.00261	PASS
					50	7.37	0.00288	PASS
			MCH	VN	-30	5.09	0.00195	PASS
					-20	-15.15	-0.00582	PASS
					-10	-2.57	-0.00099	PASS
					0	-6.59	-0.00253	PASS
					10	-4.81	-0.00185	PASS
					20	7.5	0.00288	PASS
					30	3.95	0.00152	PASS
					40	-1.93	-0.00074	PASS
					50	-2.63	-0.00101	PASS
			HCH	VN	-30	0.63	0.00024	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-5.12	-0.00193	PASS
					-10	1.52	0.00057	PASS
					0	-0.21	-0.00008	PASS
					10	-15.49	-0.00585	PASS
					20	2.25	0.00085	PASS
					30	1.47	0.00055	PASS
					40	2.6	0.00098	PASS
					50	-10.33	-0.0039	PASS
		15	LCH	VN	-30	94.6	0.03692	PASS
					-20	16.92	0.0066	PASS
					-10	62.5	0.02439	PASS
					0	118.96	0.04642	PASS
					10	119.46	0.04662	PASS
					20	134.24	0.05239	PASS
					30	144.74	0.05648	PASS
					40	103.33	0.04032	PASS
					50	-5.02	-0.00196	PASS
			MCH	VN	-30	-1.22	-0.00047	PASS
					-20	-4.52	-0.00174	PASS
					-10	3.89	0.00149	PASS
					0	-1.36	-0.00052	PASS
					10	-11.59	-0.00445	PASS
					20	-12.25	-0.0047	PASS
					30	6.91	0.00265	PASS
					40	-0.53	-0.0002	PASS
					50	-0.64	-0.00025	PASS
			HCH	VN	-30	-11.94	-0.00451	PASS
					-20	-9.71	-0.00367	PASS
					-10	4.98	0.00188	PASS
					0	-0.83	-0.00031	PASS
					10	-9.3	-0.00351	PASS
					20	-14.92	-0.00564	PASS
					30	-2.96	-0.00112	PASS
					40	-2.12	-0.0008	PASS
					50	-8.14	-0.00307	PASS
		20	LCH	VN	-30	2.36	0.00092	PASS
					-20	0.64	0.00025	PASS
					-10	2.95	0.00115	PASS
					0	-3.4	-0.00133	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.56	-0.00022	PASS
					20	5.82	0.00227	PASS
					30	-6.49	-0.00253	PASS
					40	12.49	0.00487	PASS
					50	-0.79	-0.00031	PASS
			MCH	VN	-30	-6.19	-0.00238	PASS
					-20	-0.29	-0.00011	PASS
					-10	1.95	0.00075	PASS
					0	-7.7	-0.00296	PASS
					10	-12.16	-0.00467	PASS
					20	-2.89	-0.00111	PASS
					30	-8.24	-0.00316	PASS
					40	-2.19	-0.00084	PASS
					50	-12.82	-0.00492	PASS
			HCH	VN	-30	1.4	0.00053	PASS
					-20	-2.76	-0.00104	PASS
					-10	-6.74	-0.00255	PASS
					0	-5.68	-0.00215	PASS
					10	-9.58	-0.00362	PASS
					20	-3.69	-0.0014	PASS
					30	-7.07	-0.00267	PASS
					40	1.39	0.00053	PASS
					50	-3.58	-0.00135	PASS

END