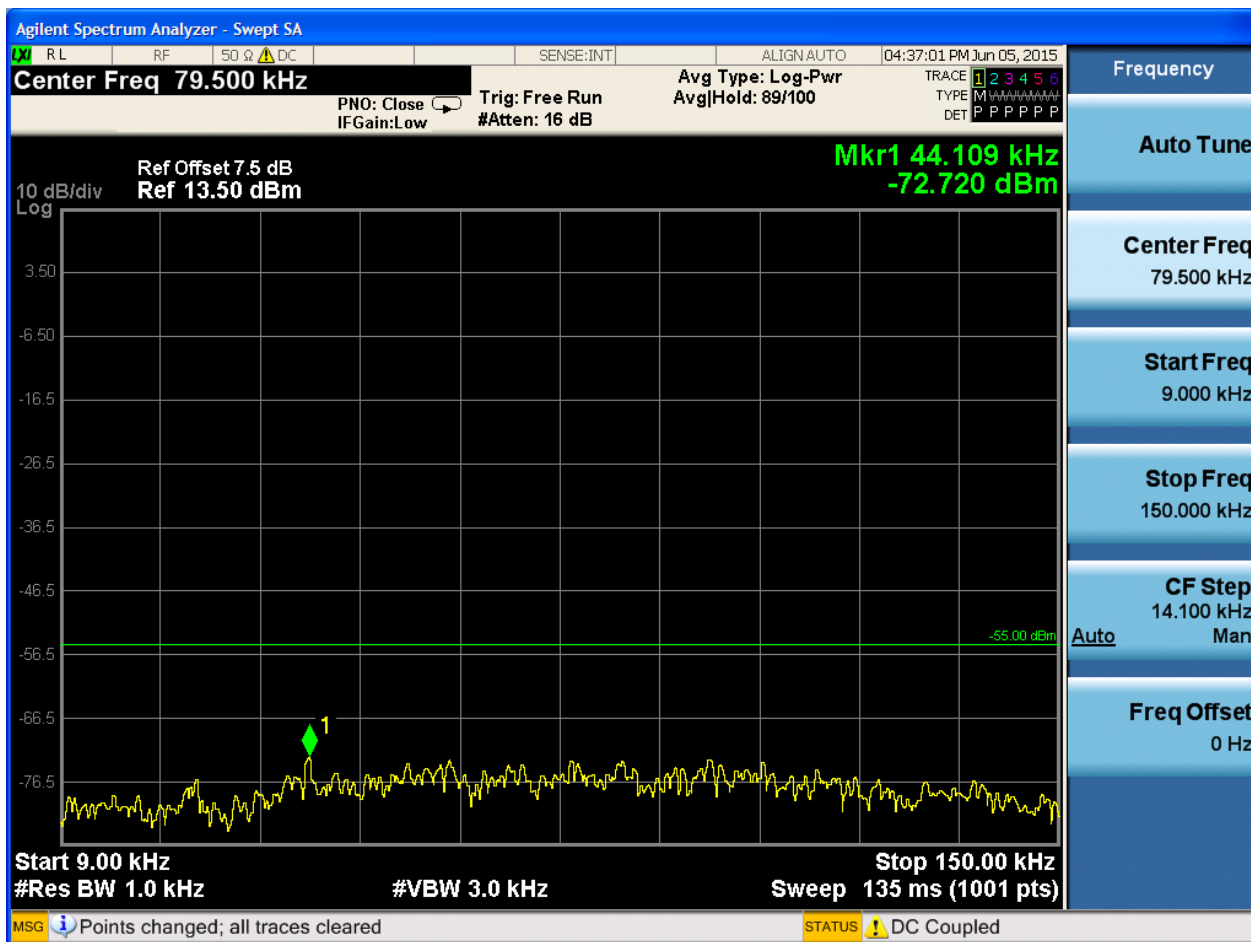
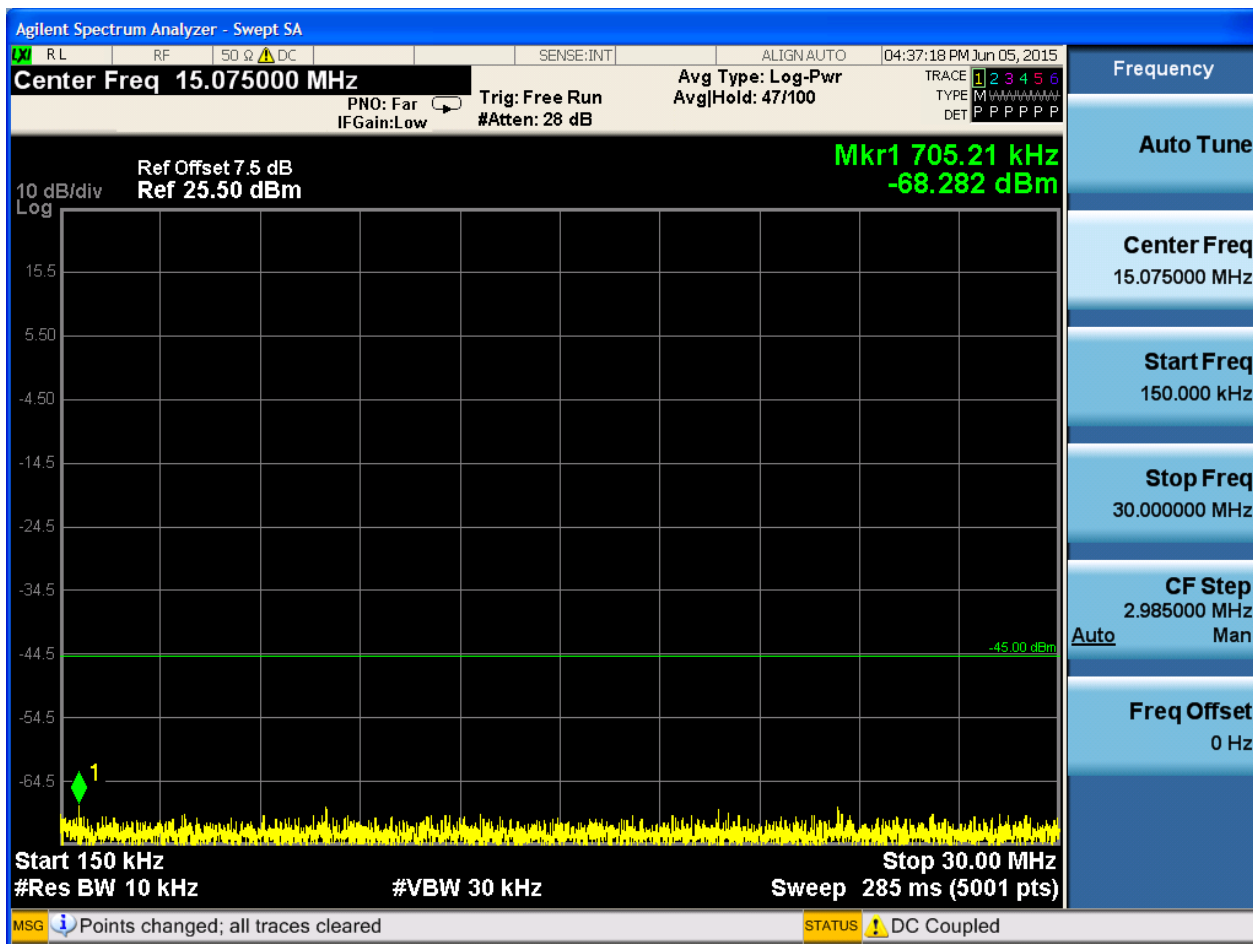




6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

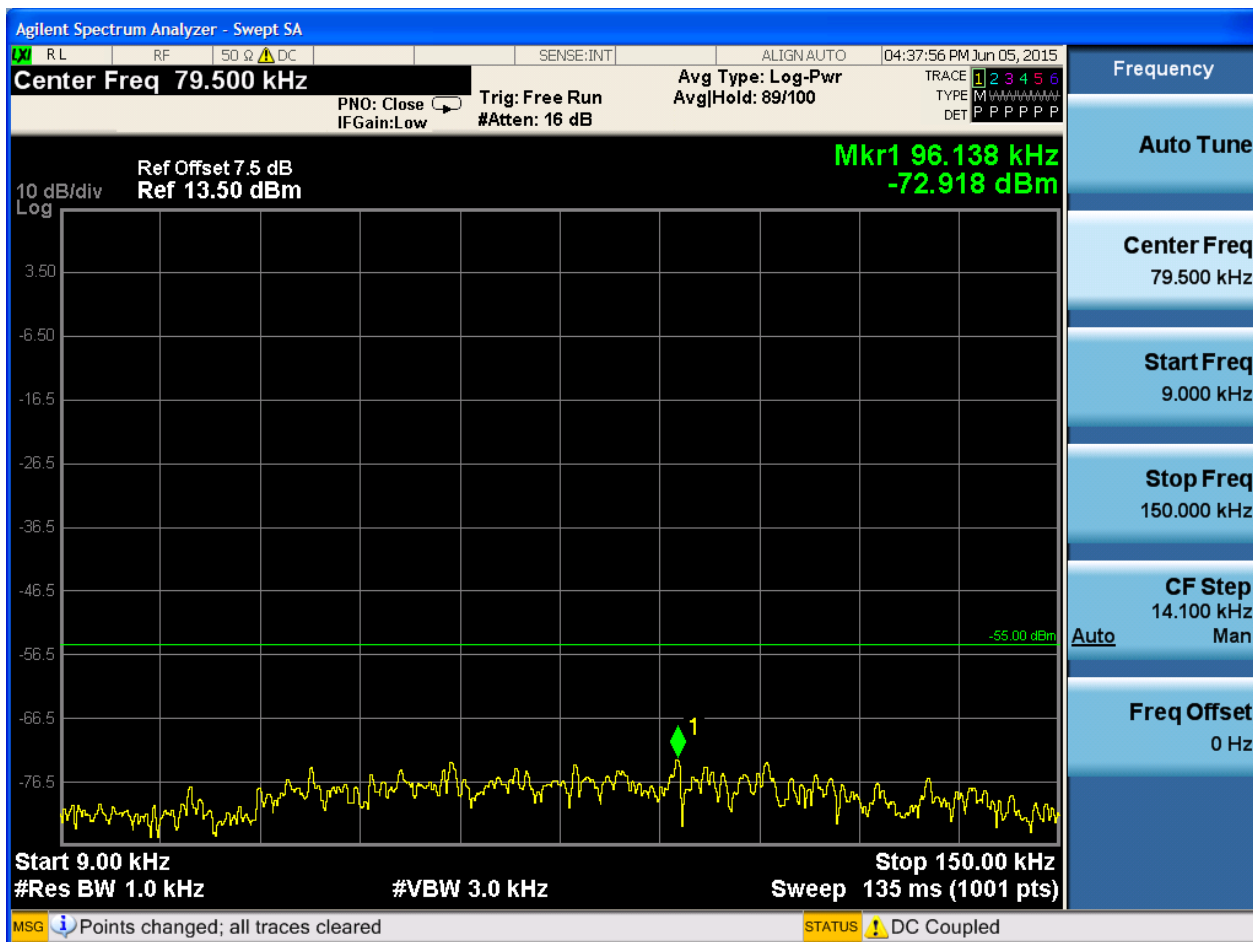


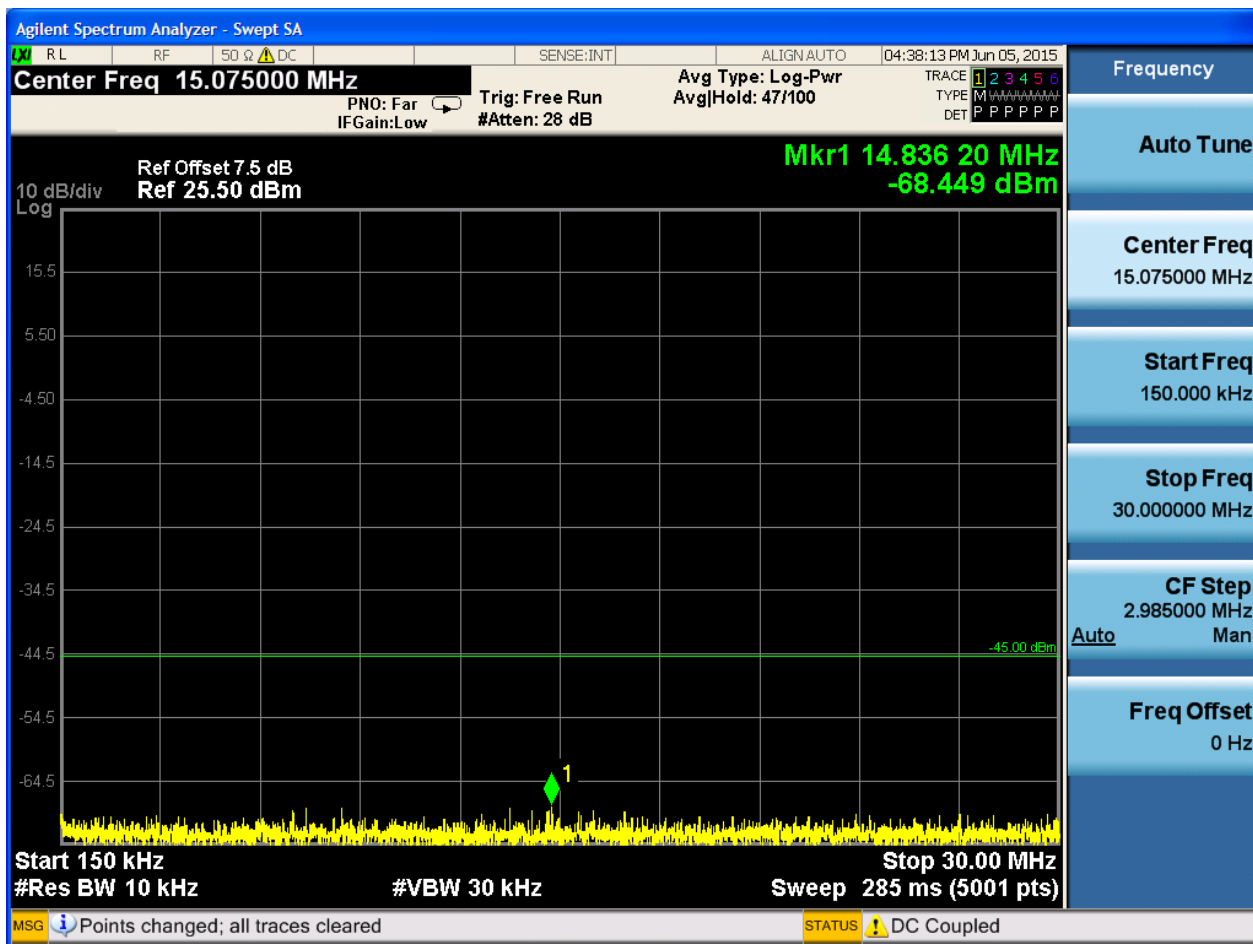




6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



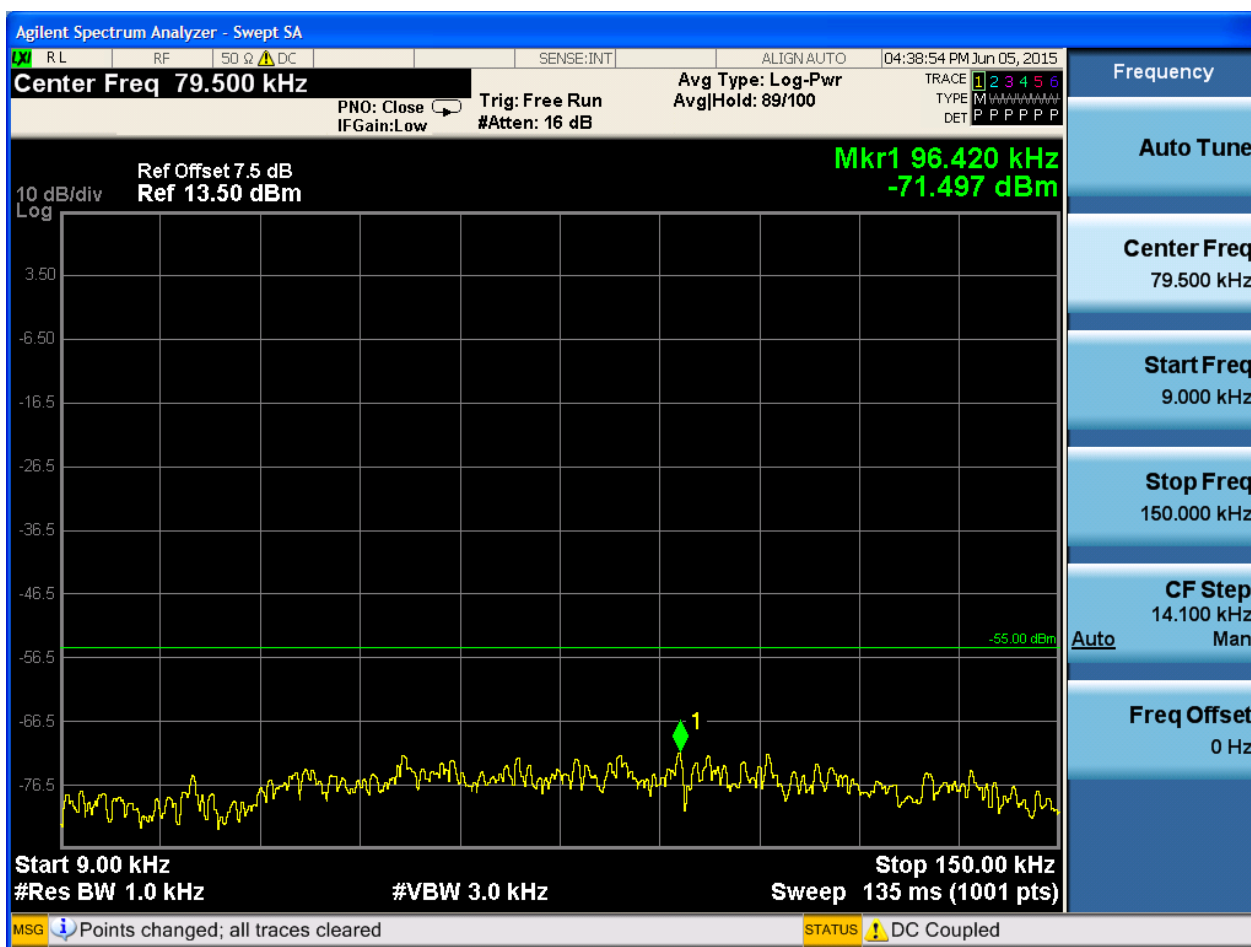




6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

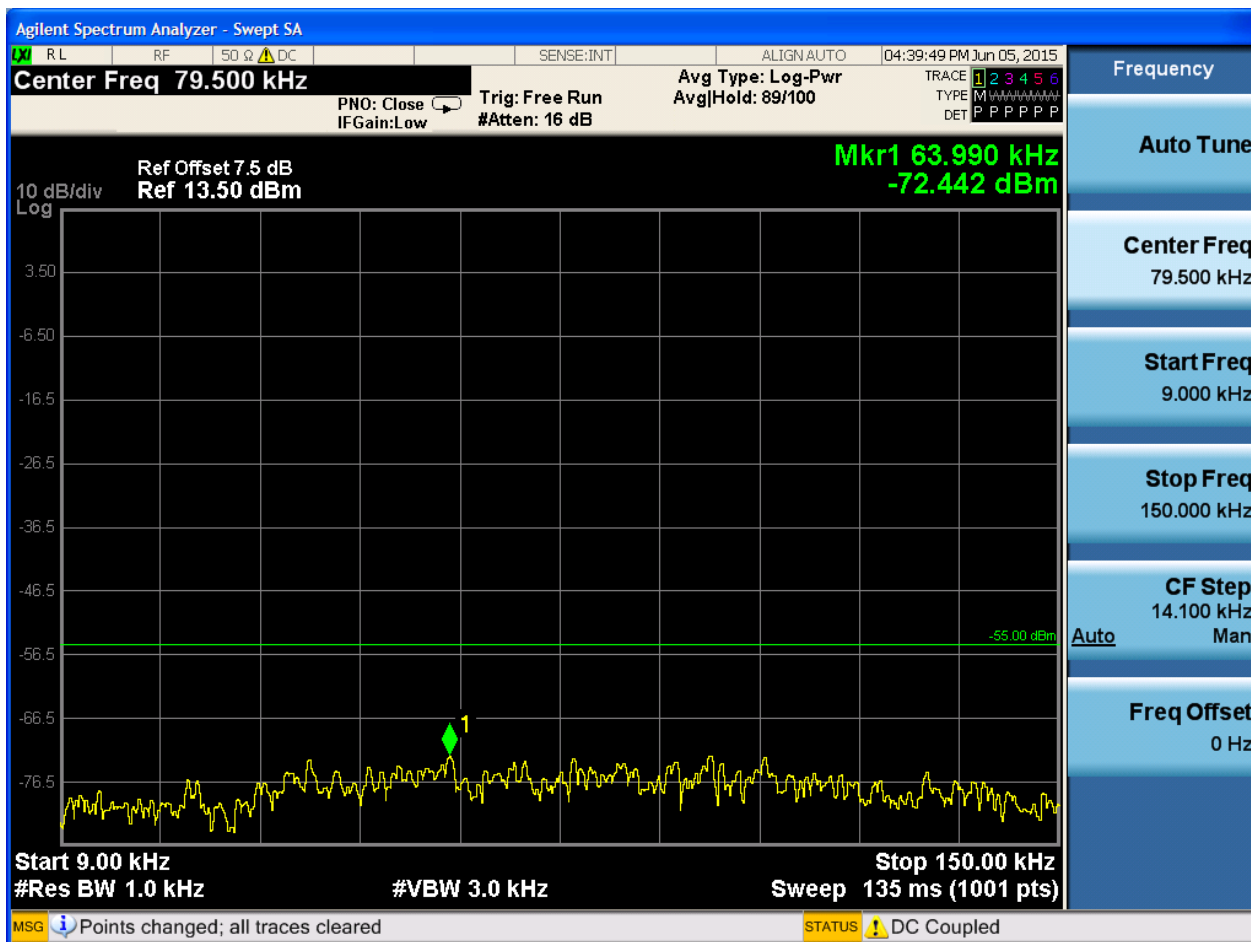


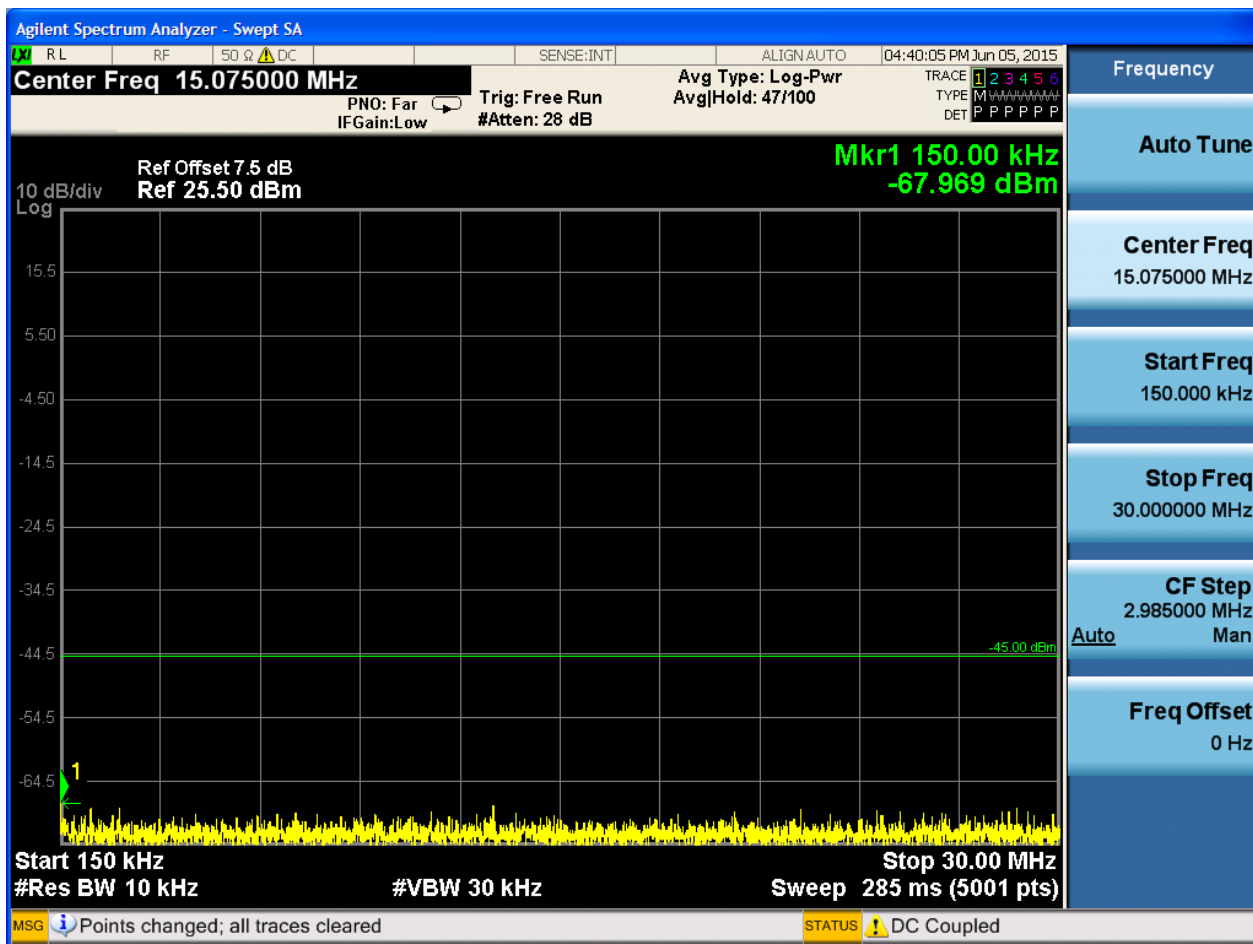




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



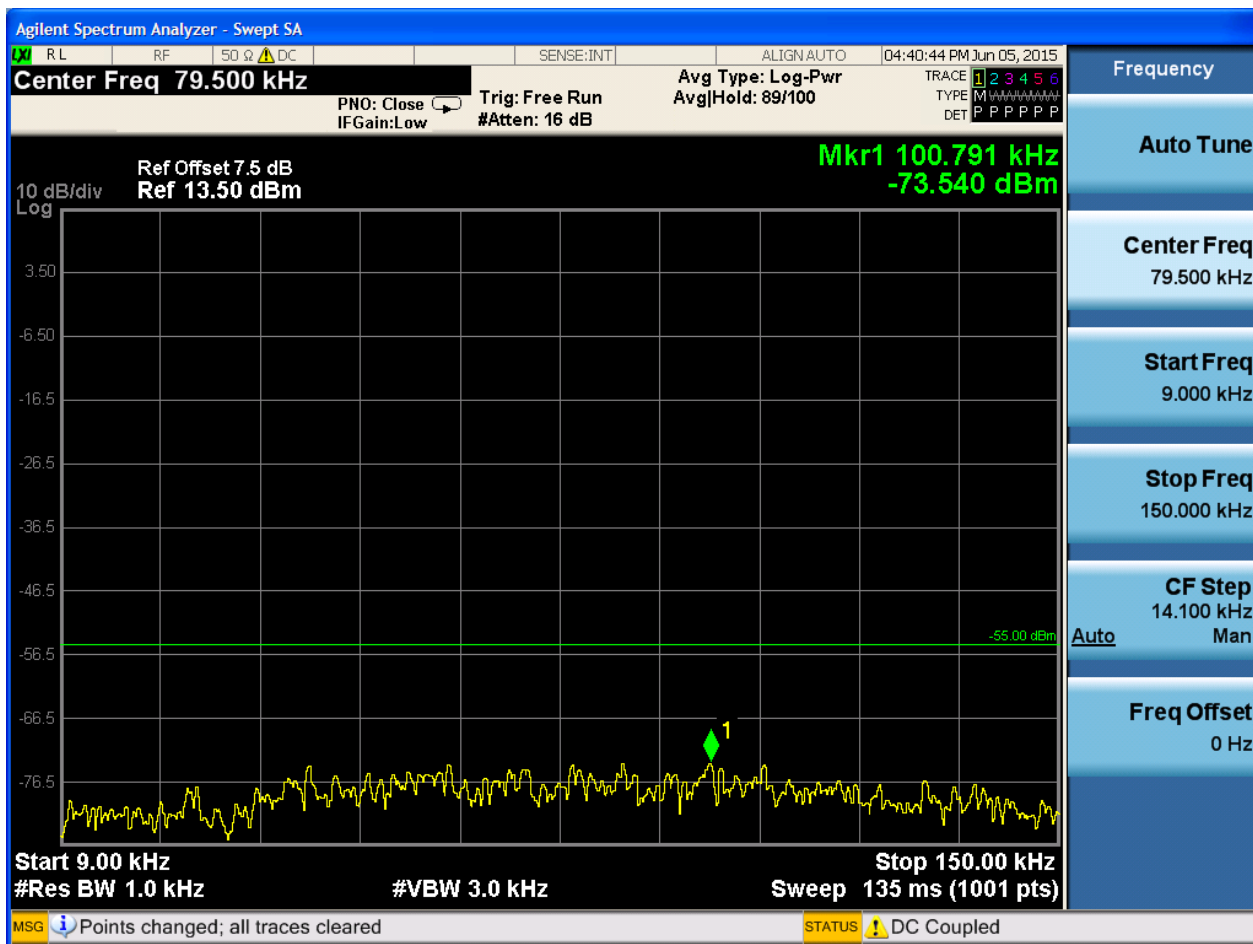




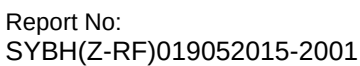


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



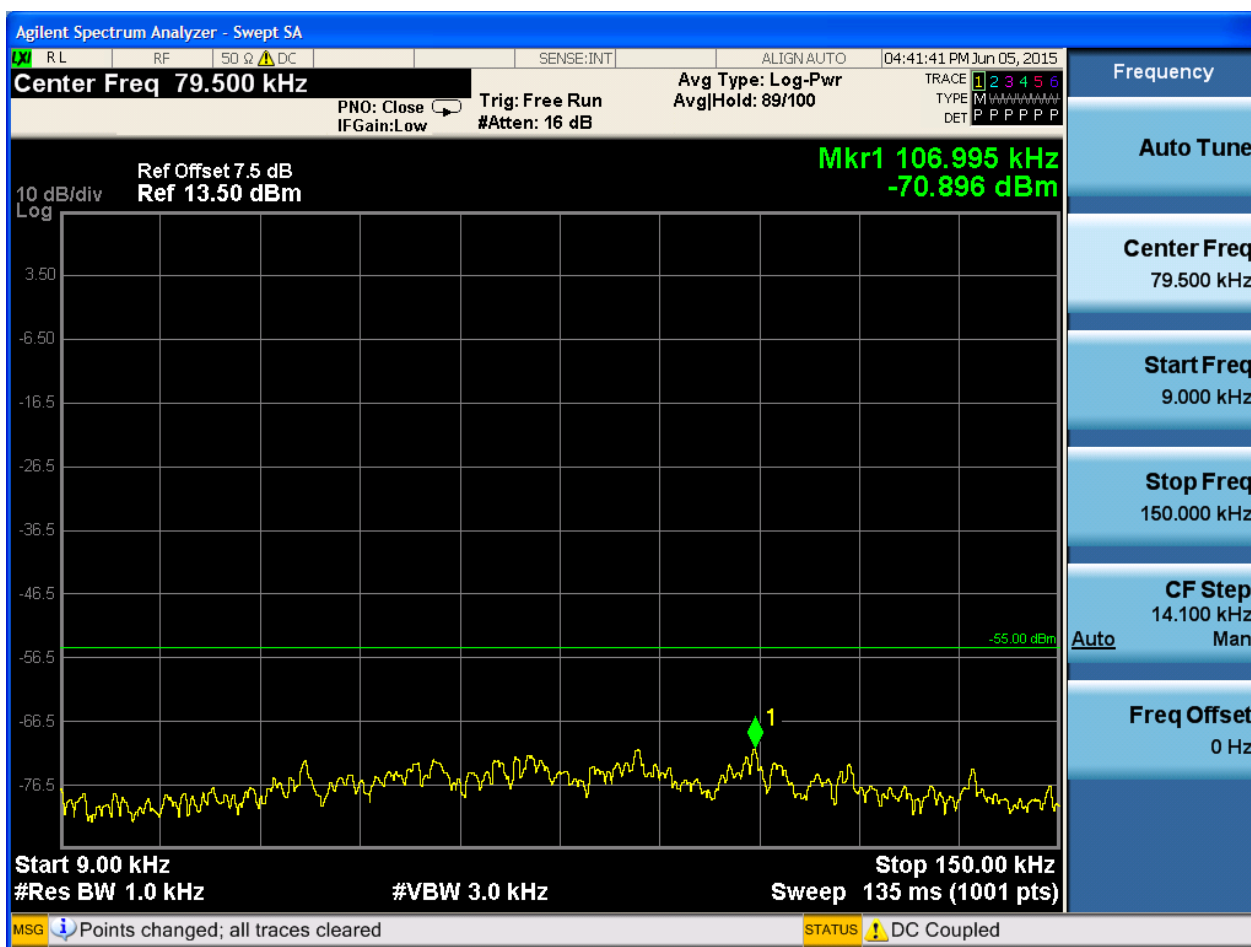




6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



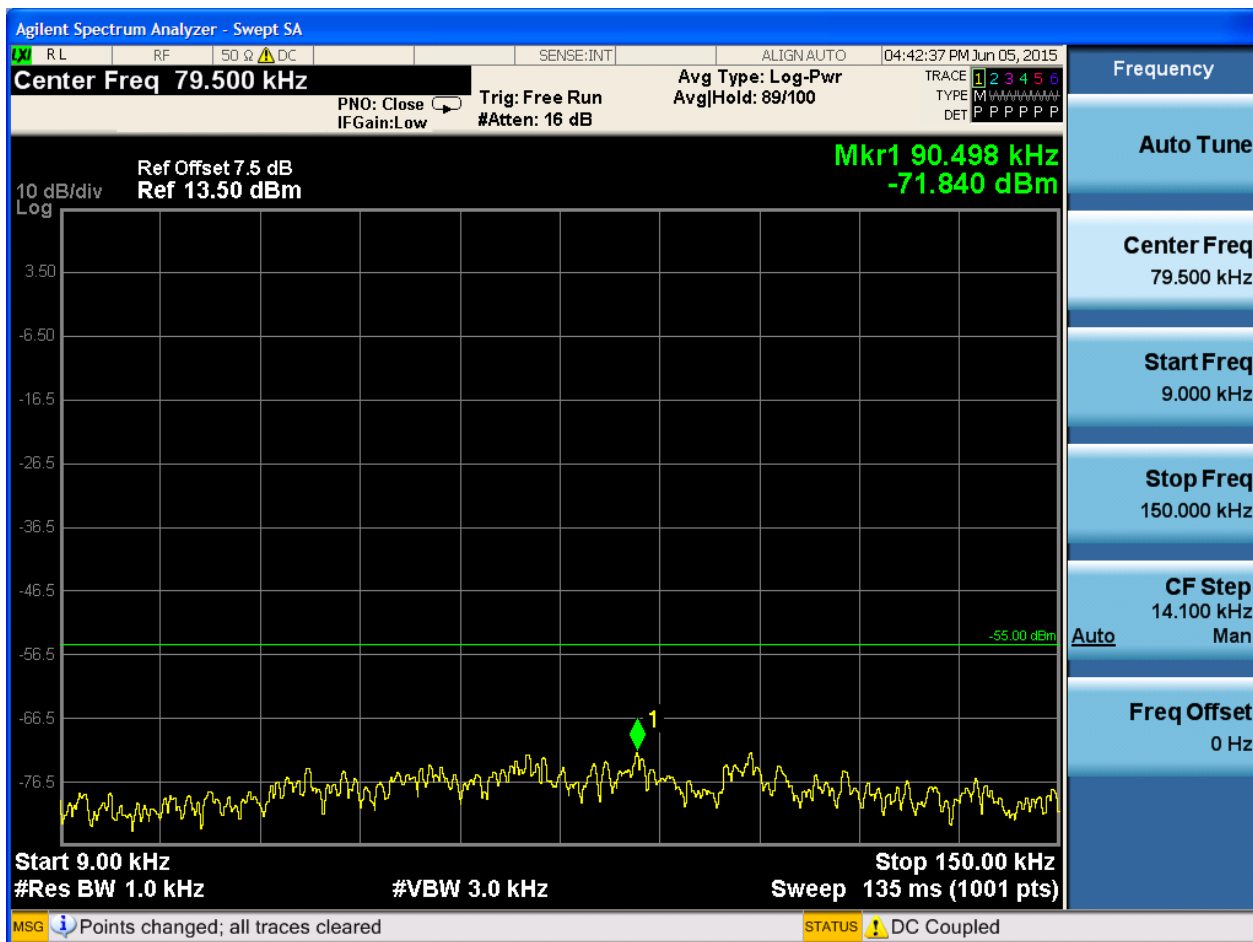


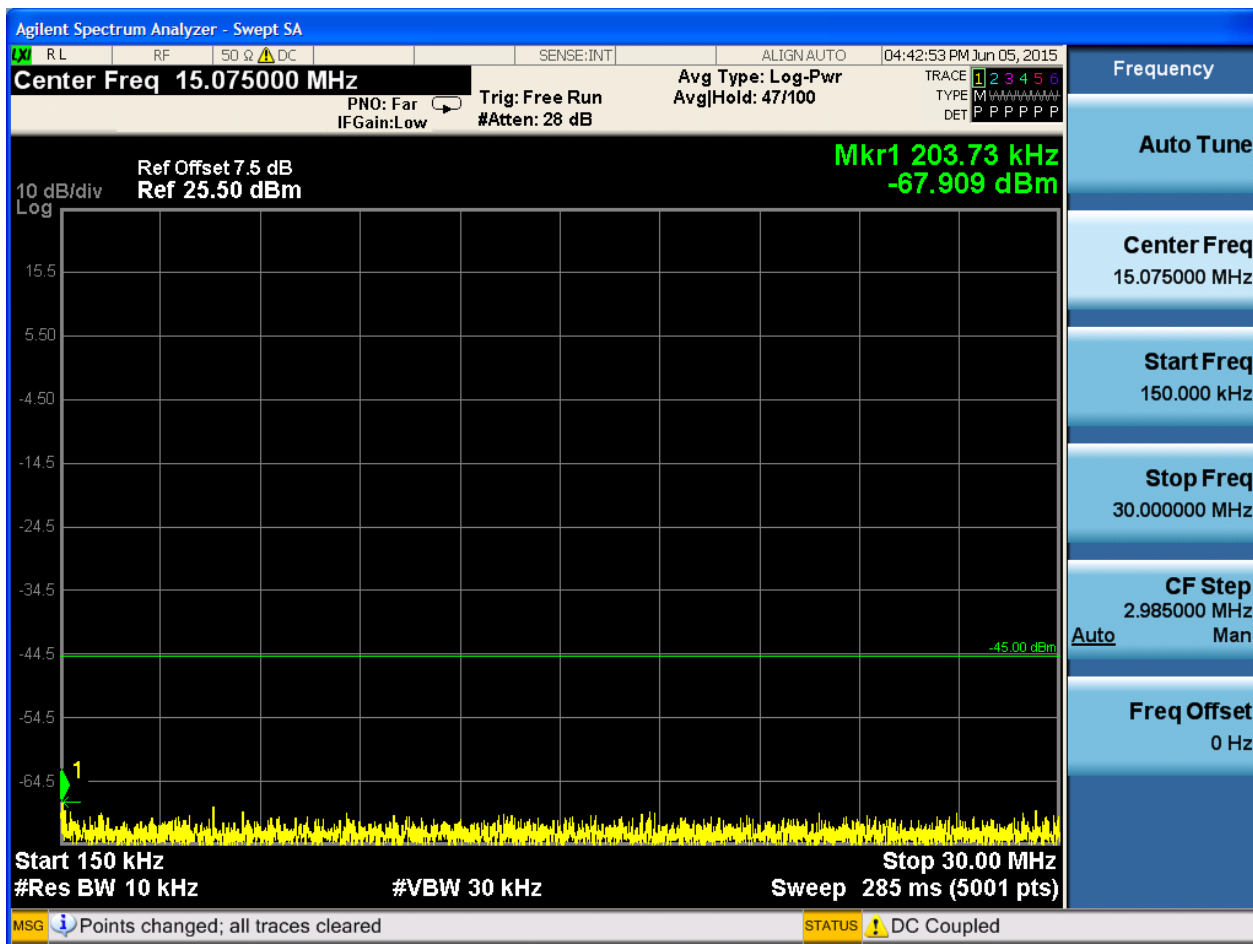




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

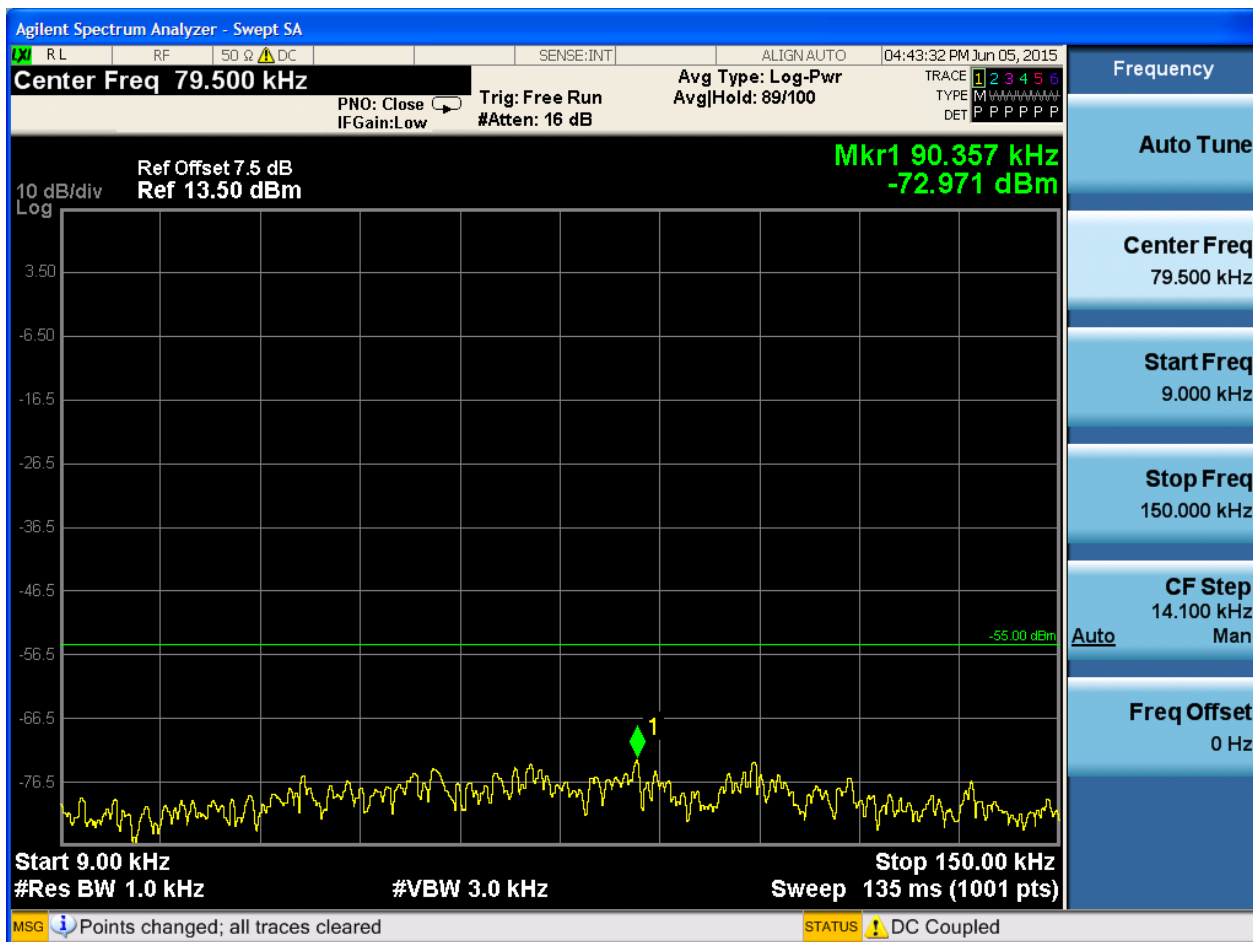


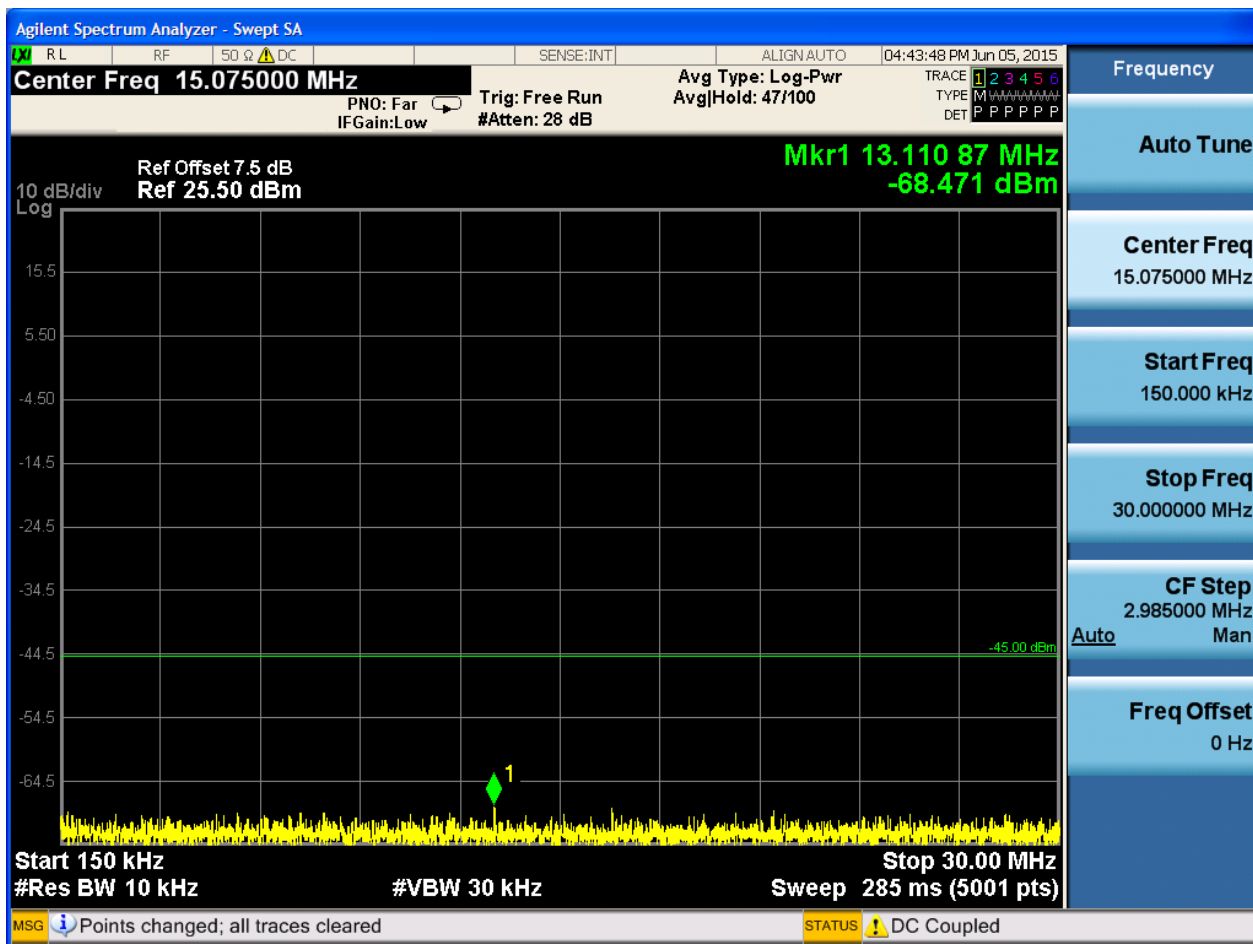


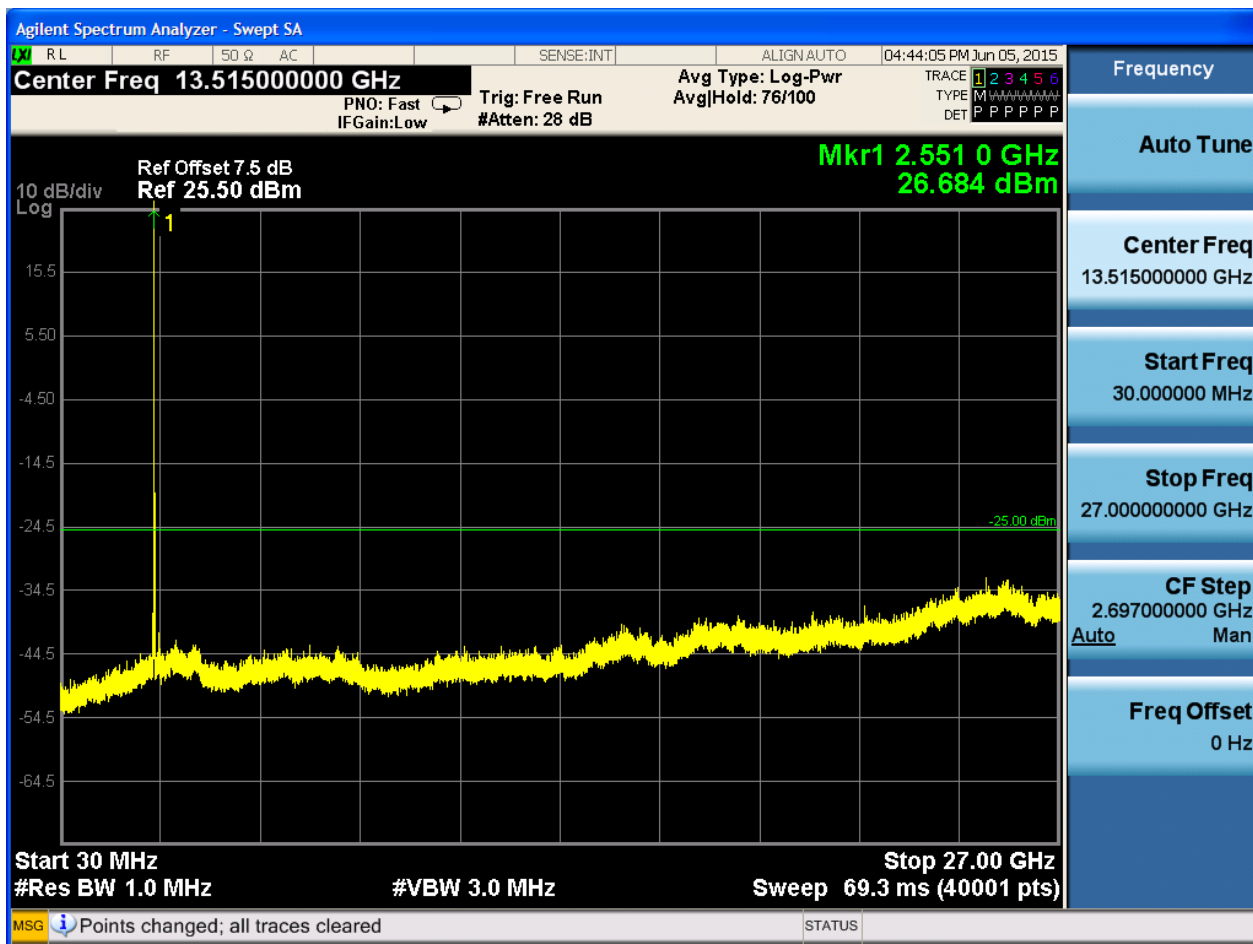


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





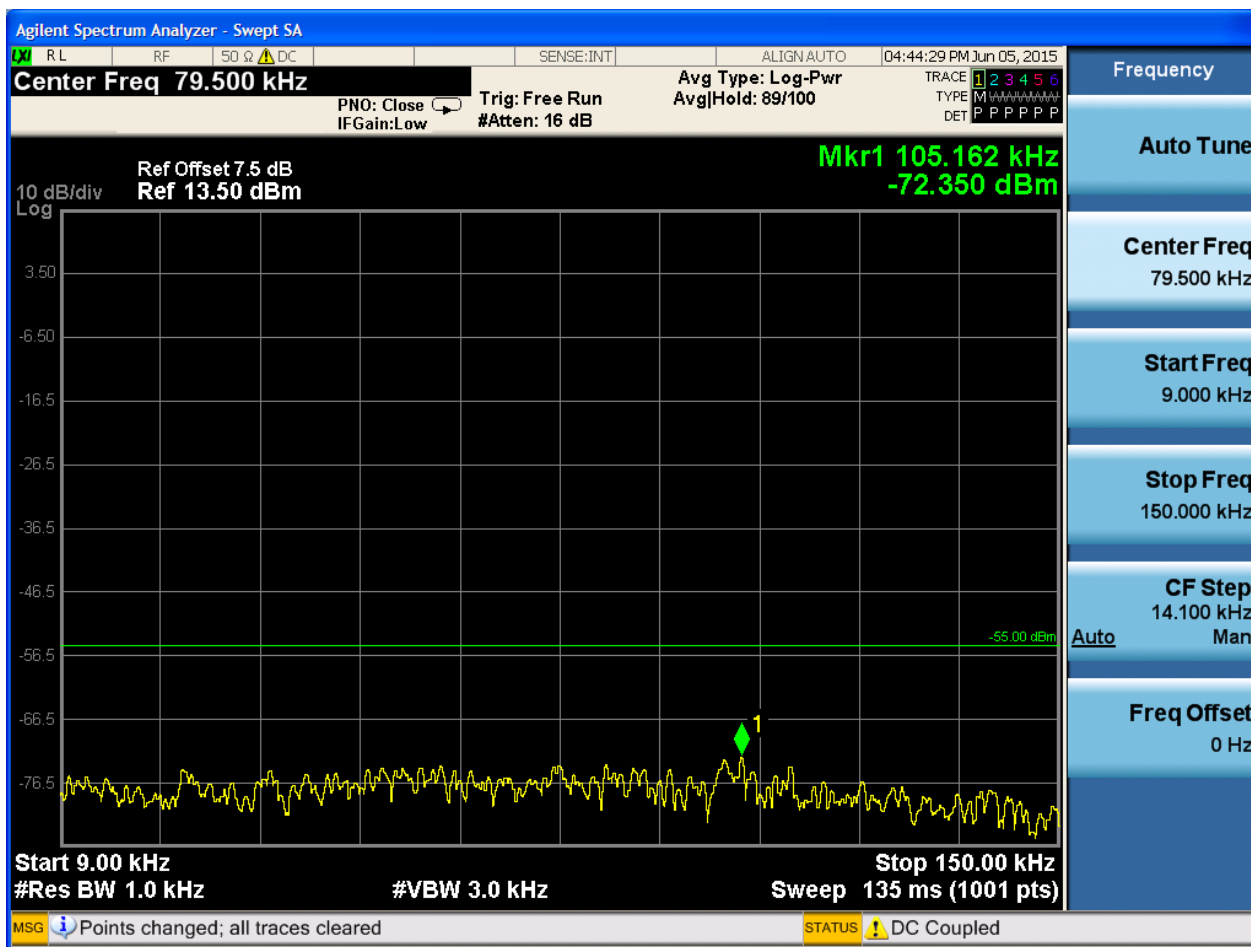


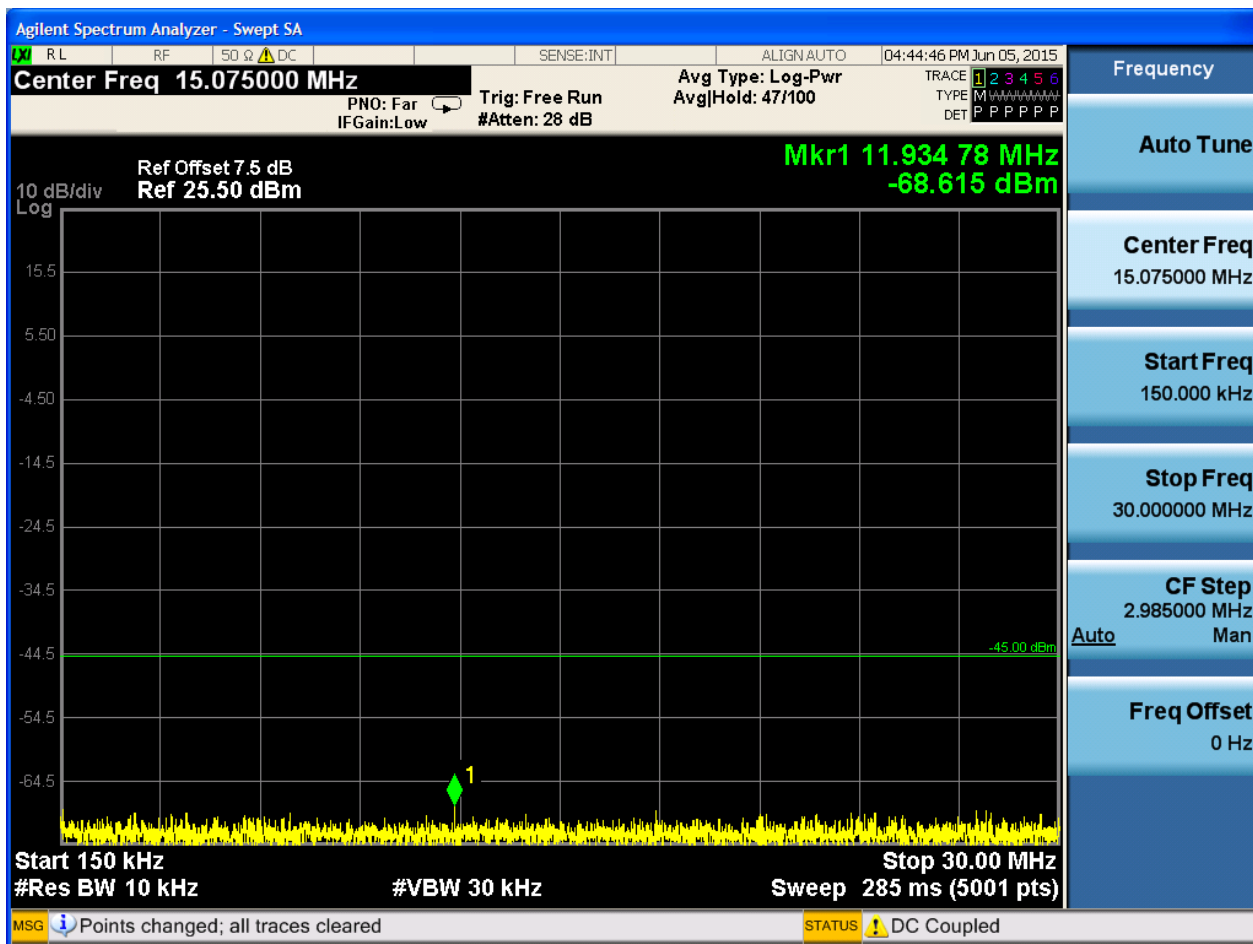
6.1.1.2 Test Mode = LTE/TM2

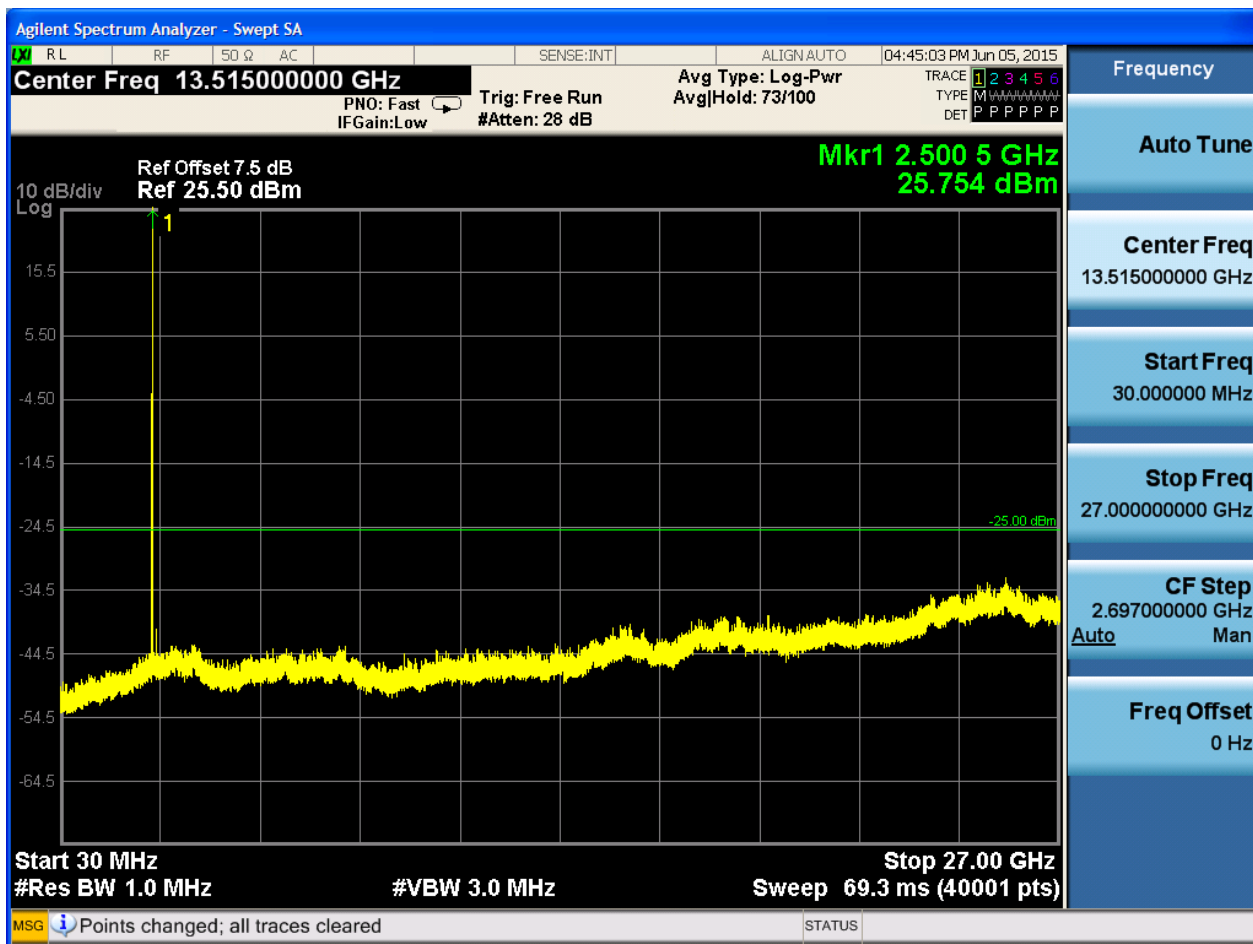
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

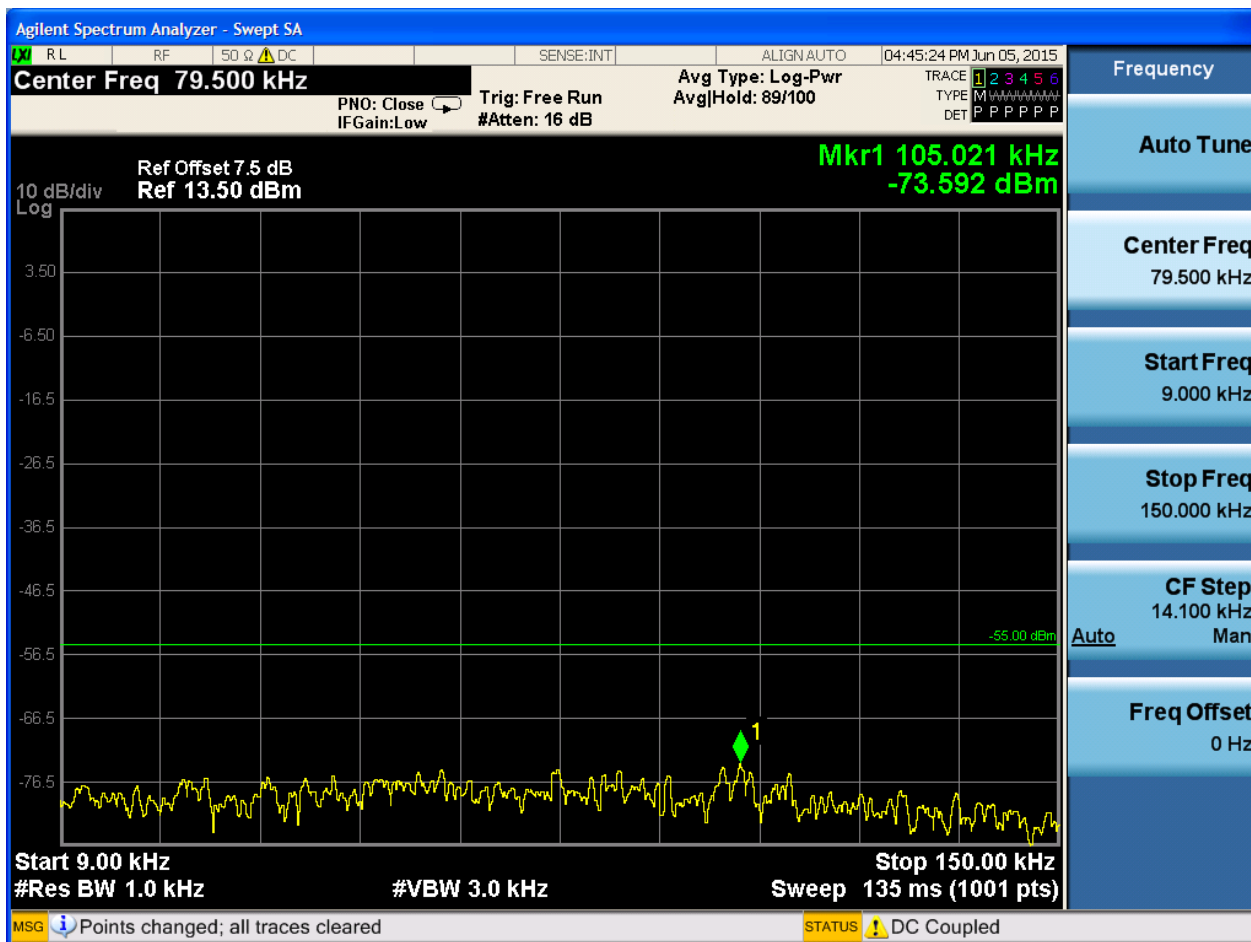






6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

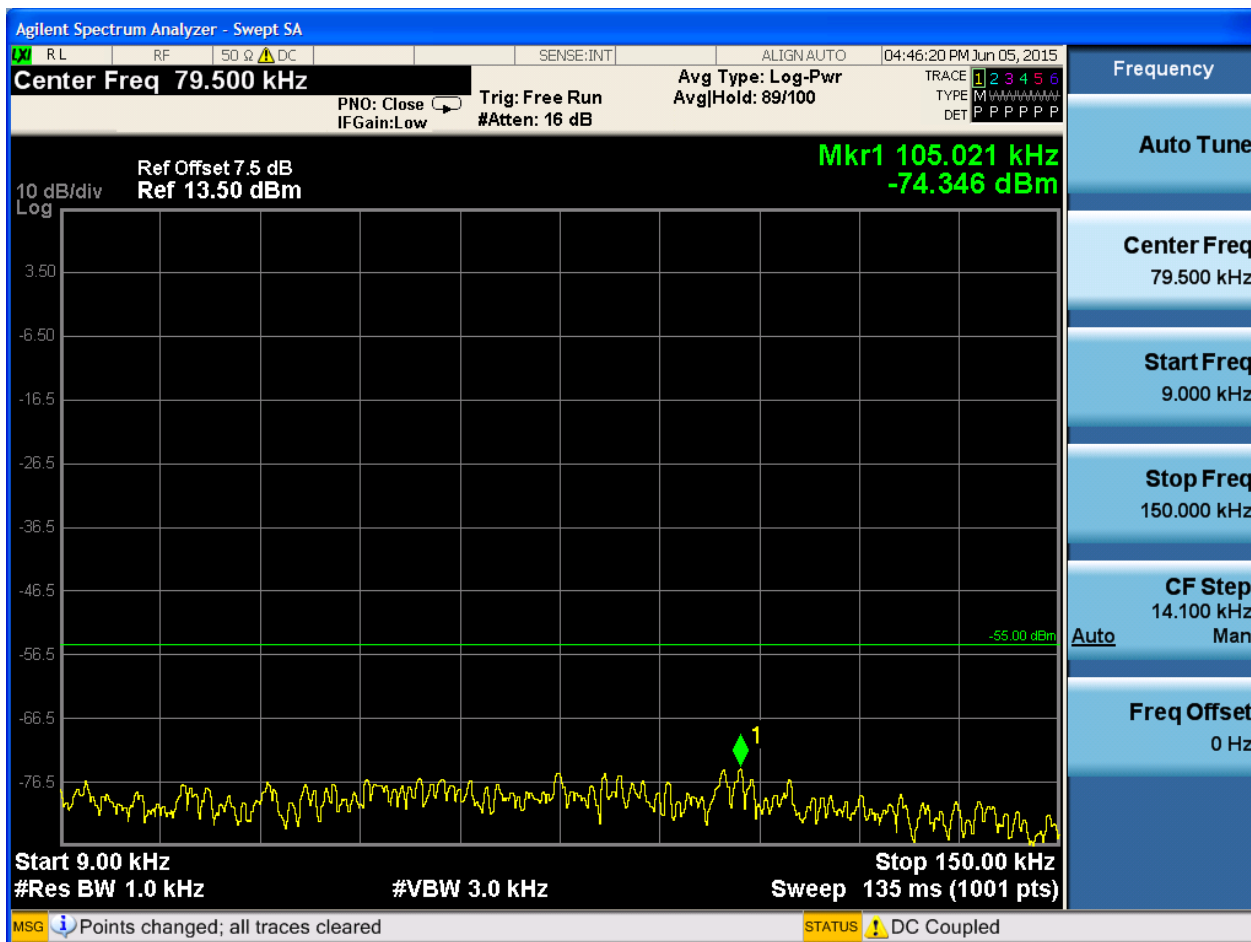






6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



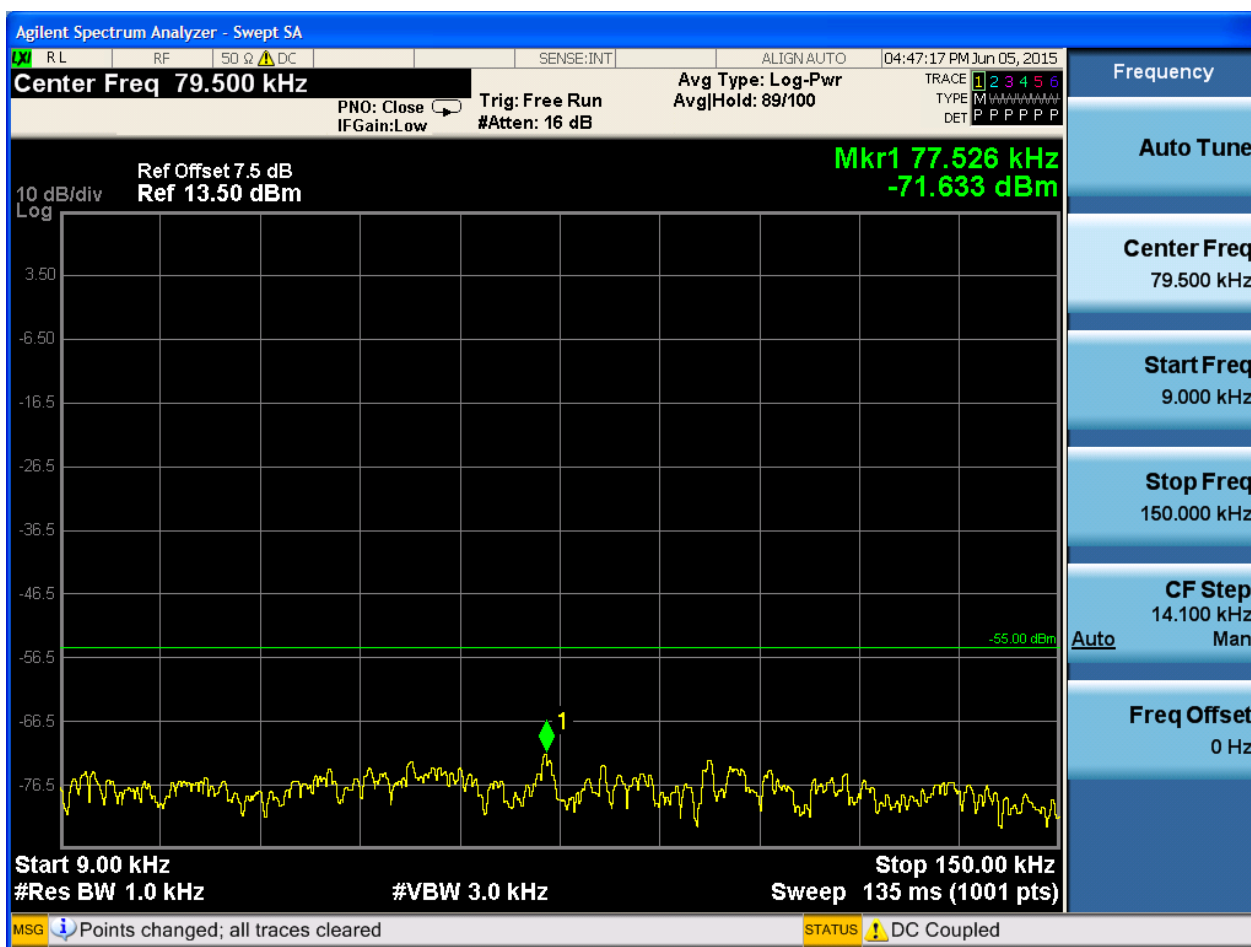


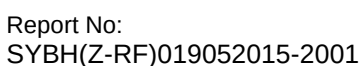


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



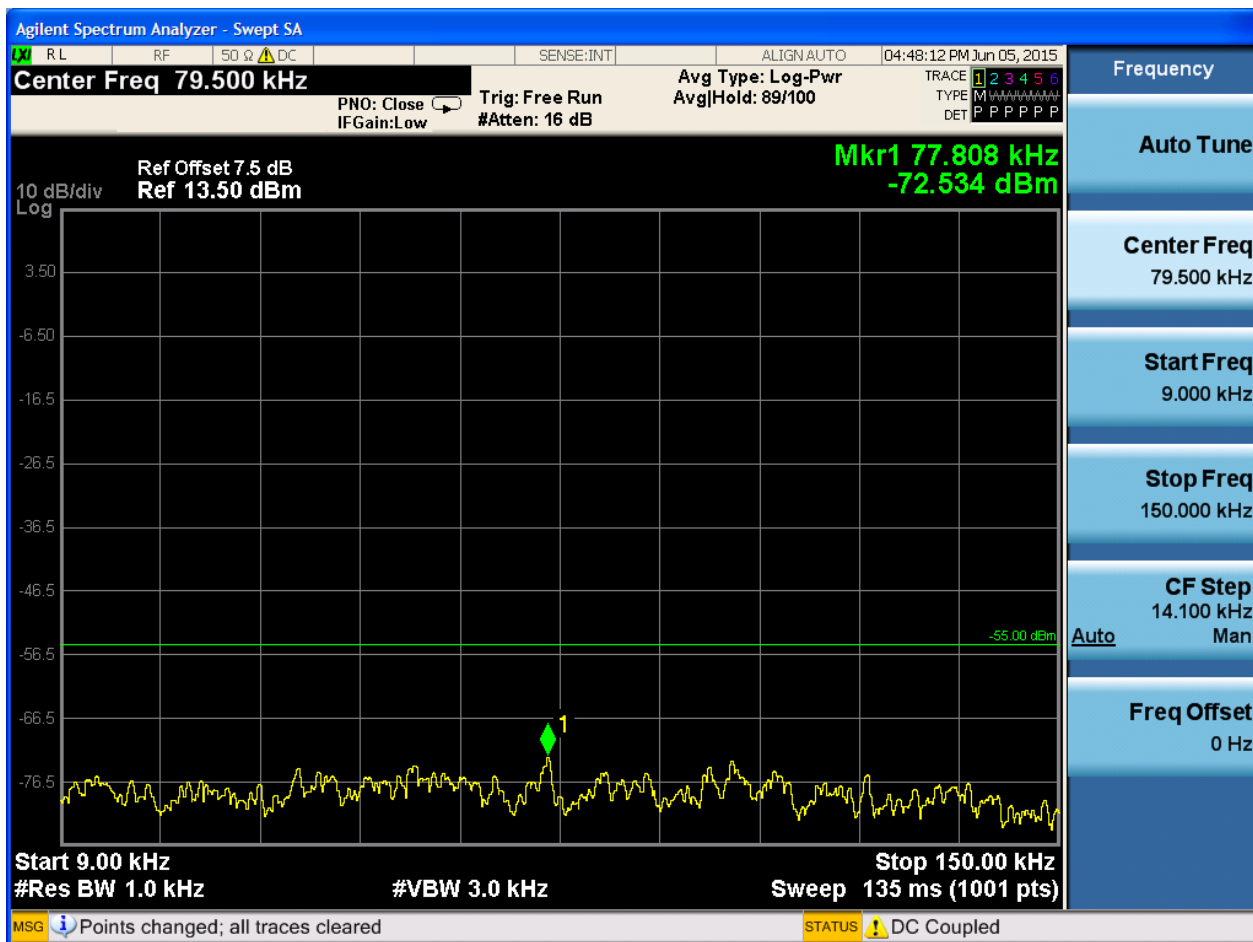


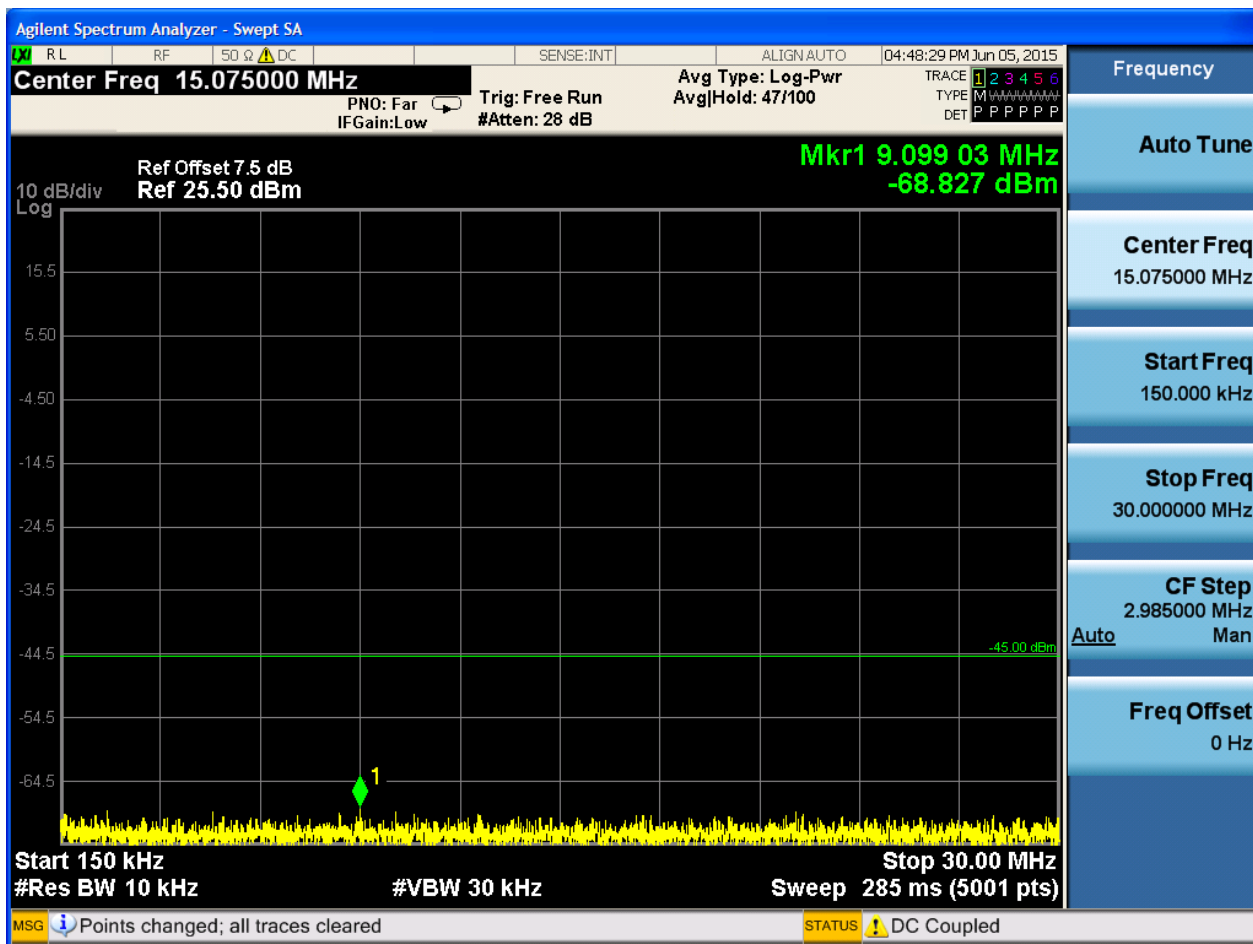




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



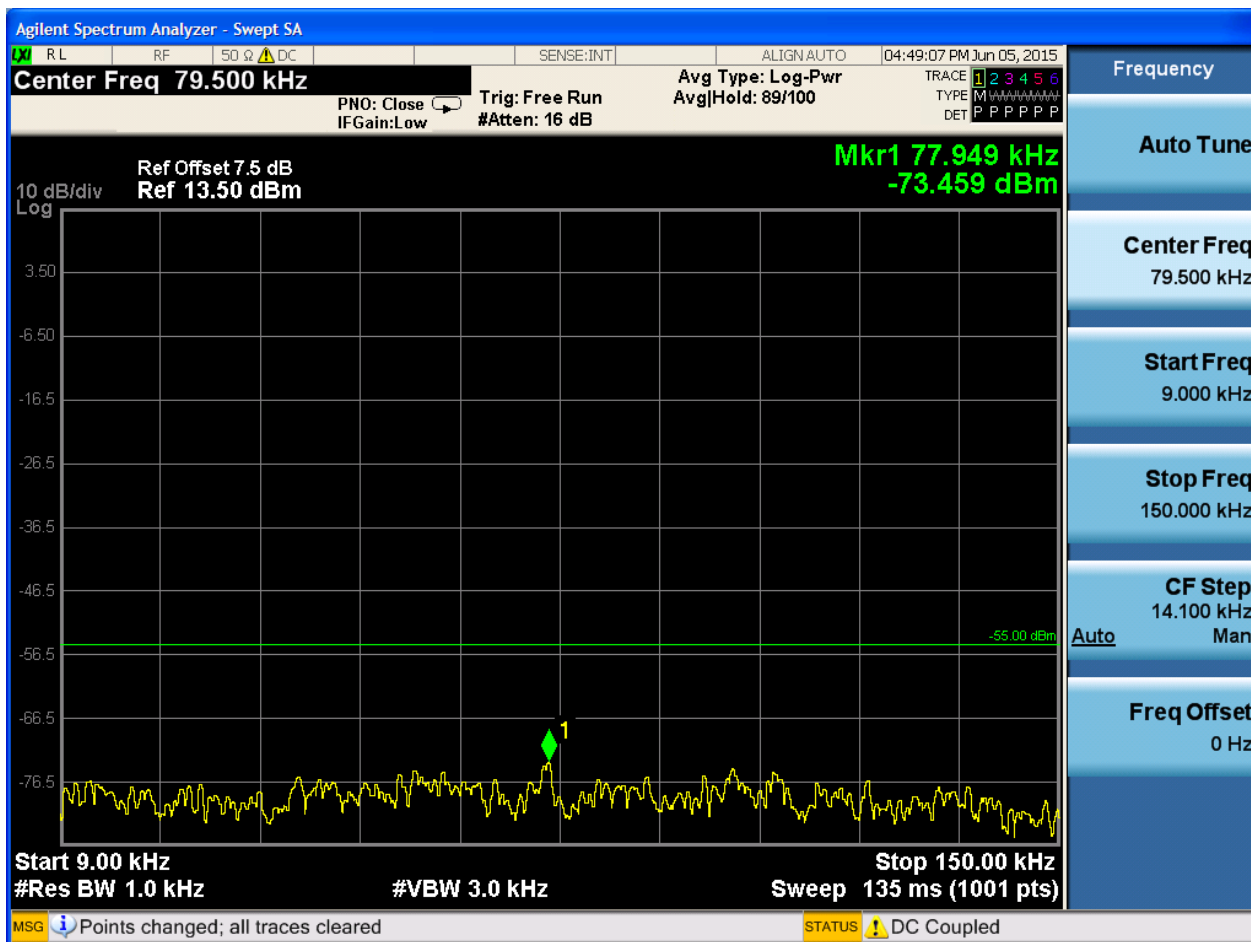


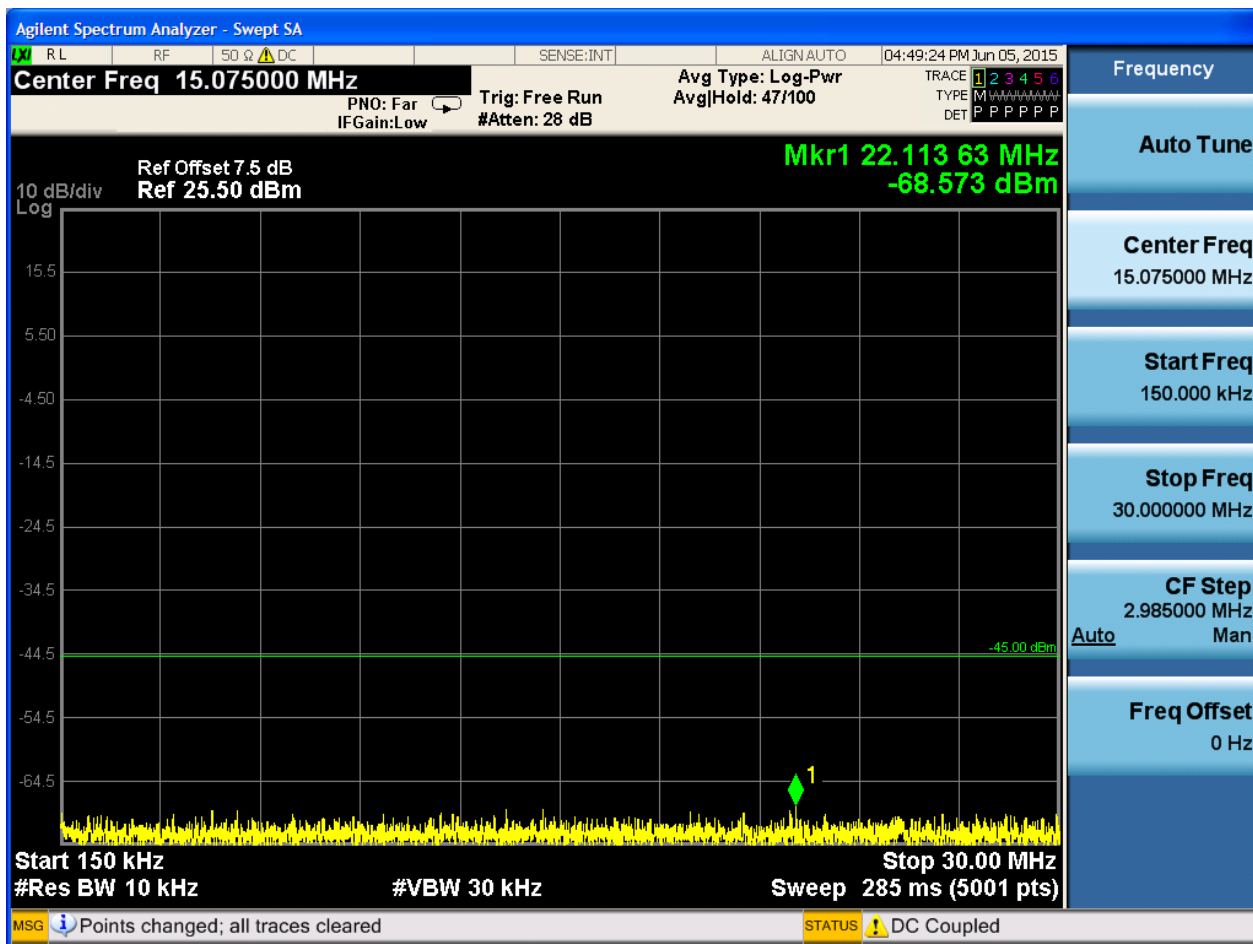


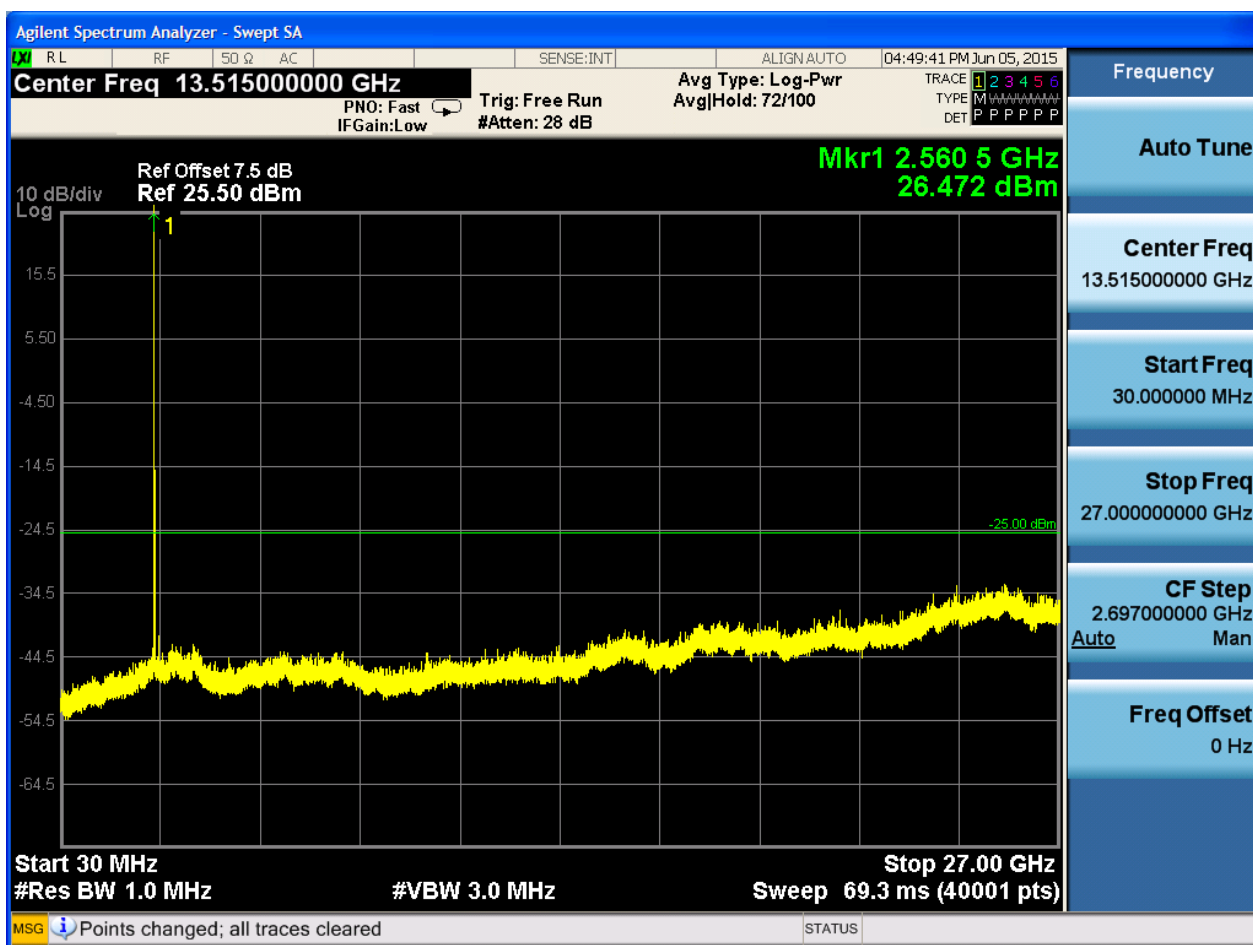


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



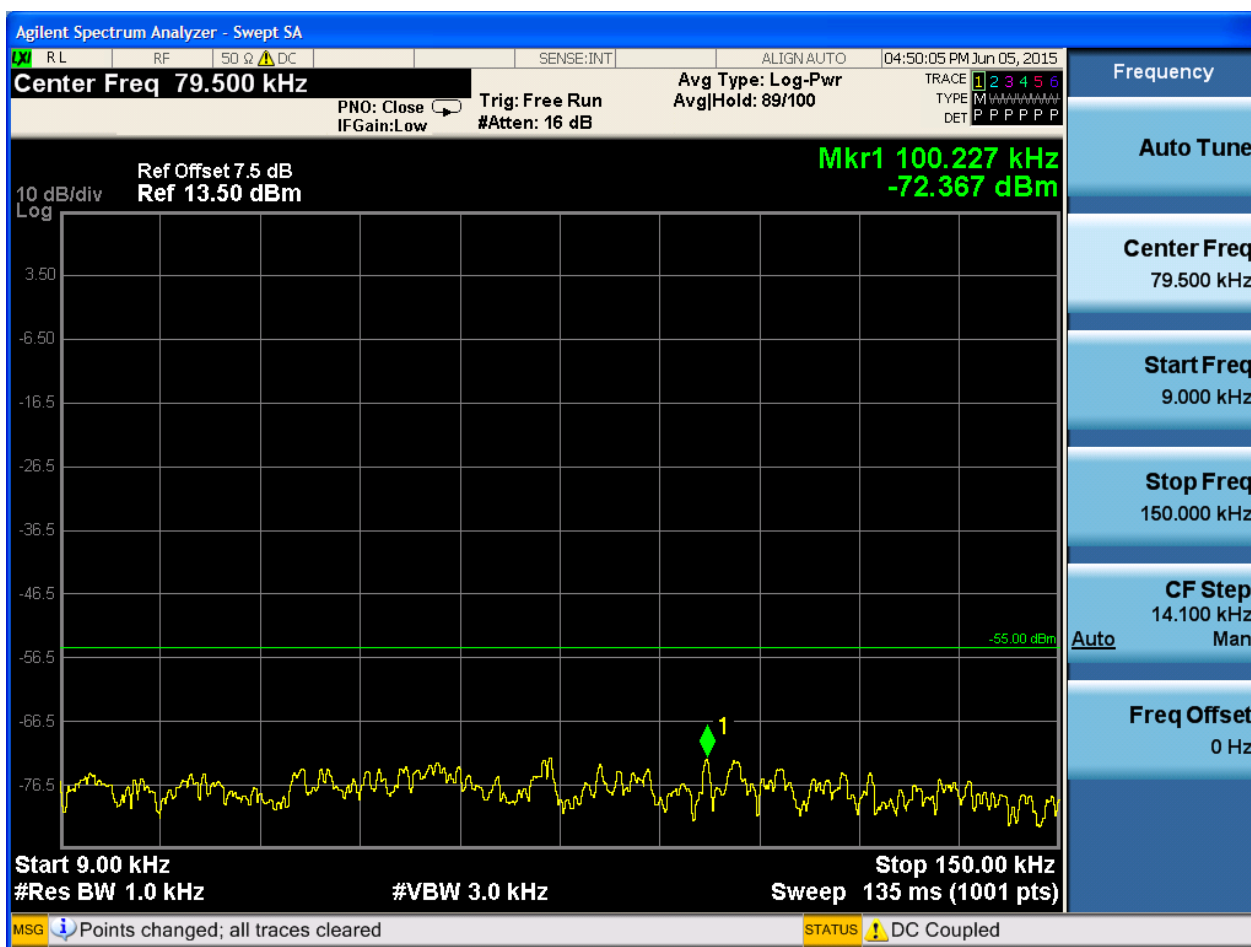




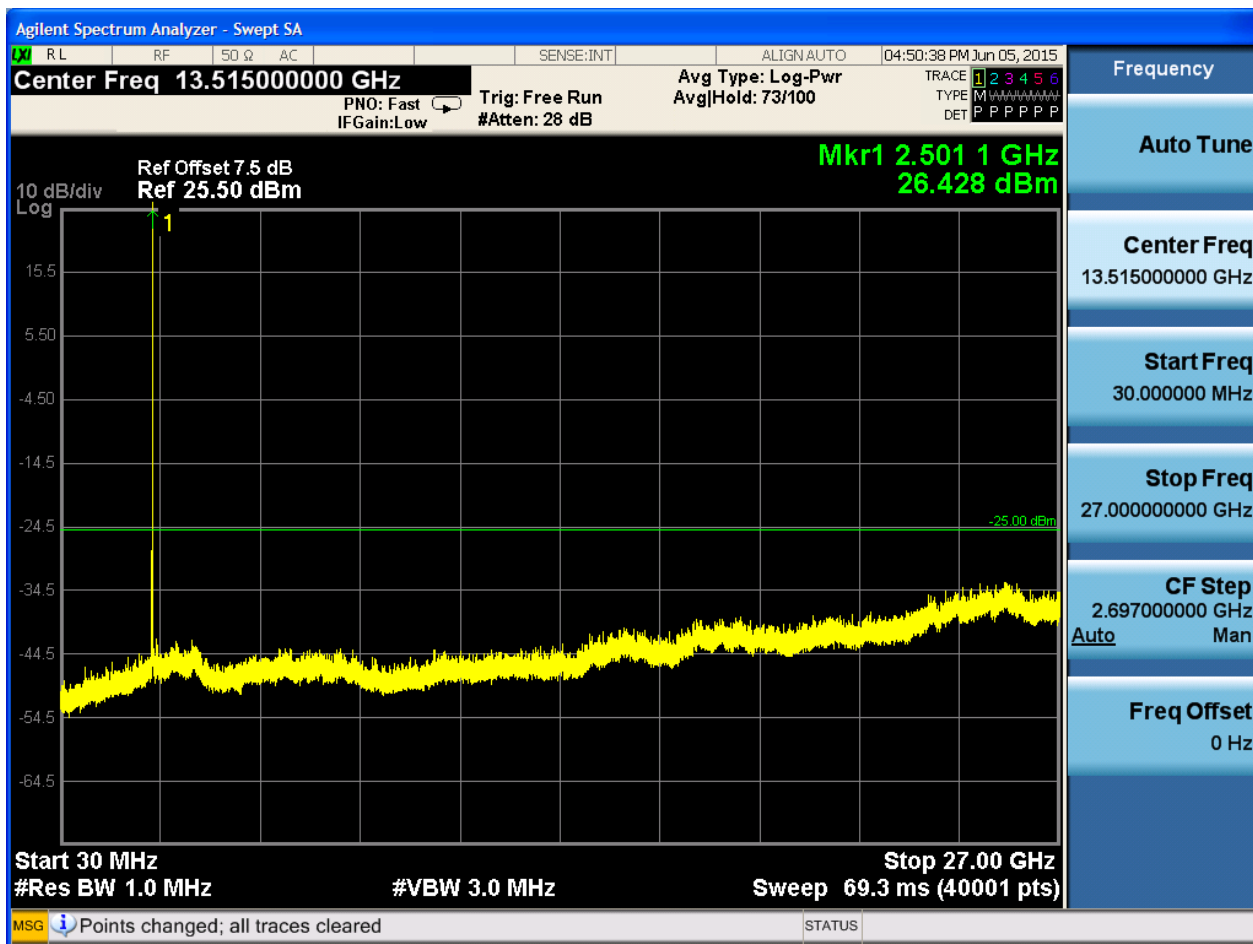
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

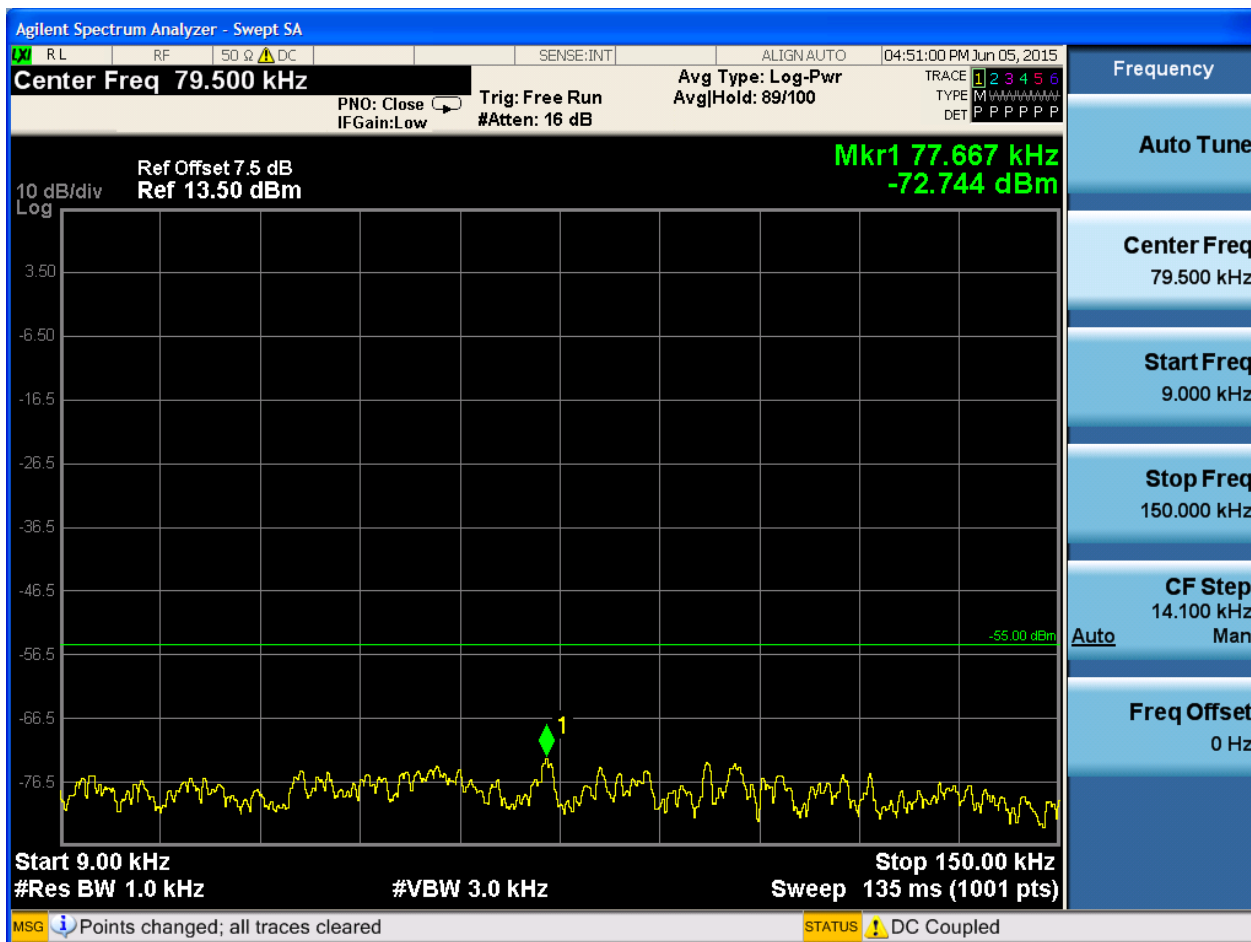


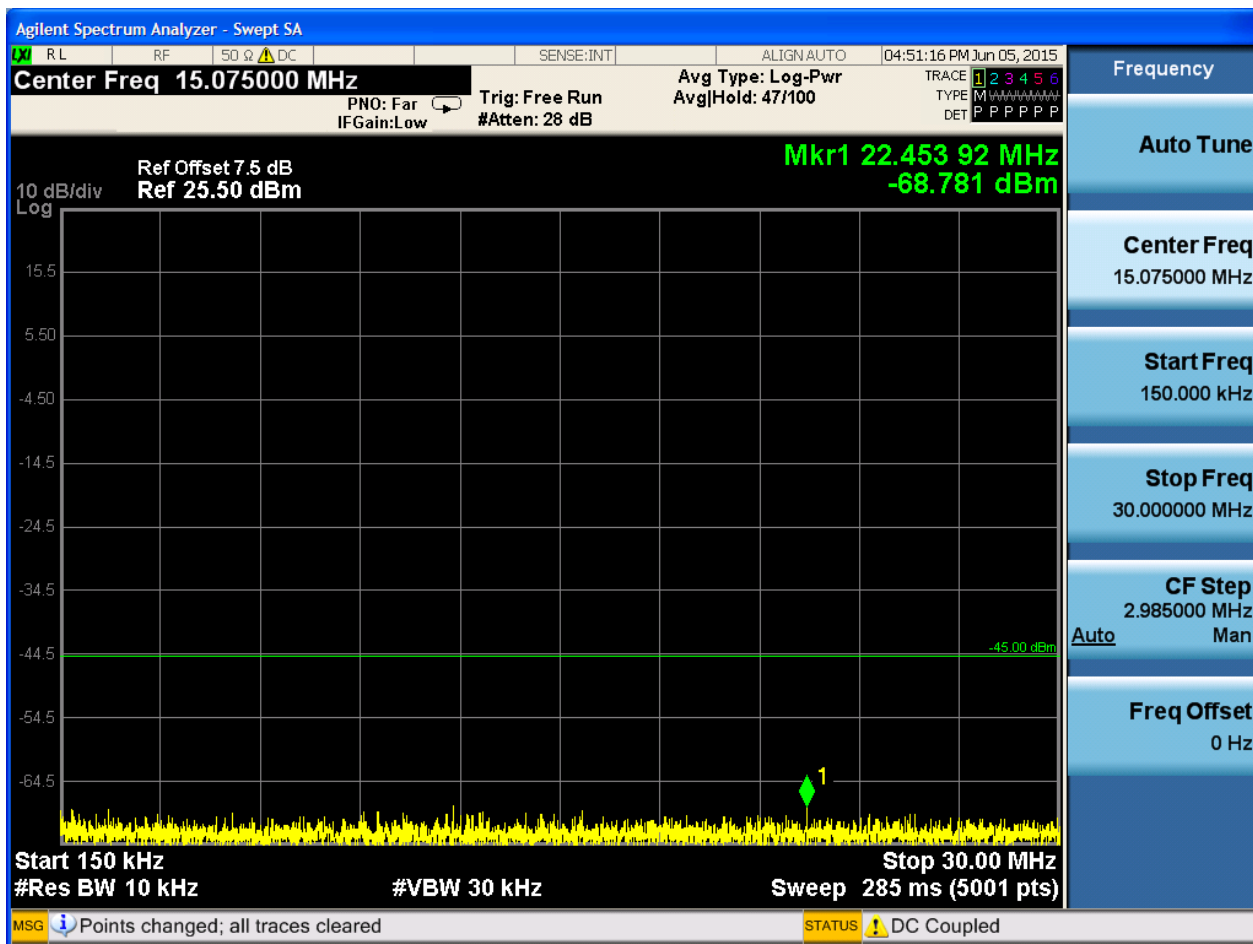


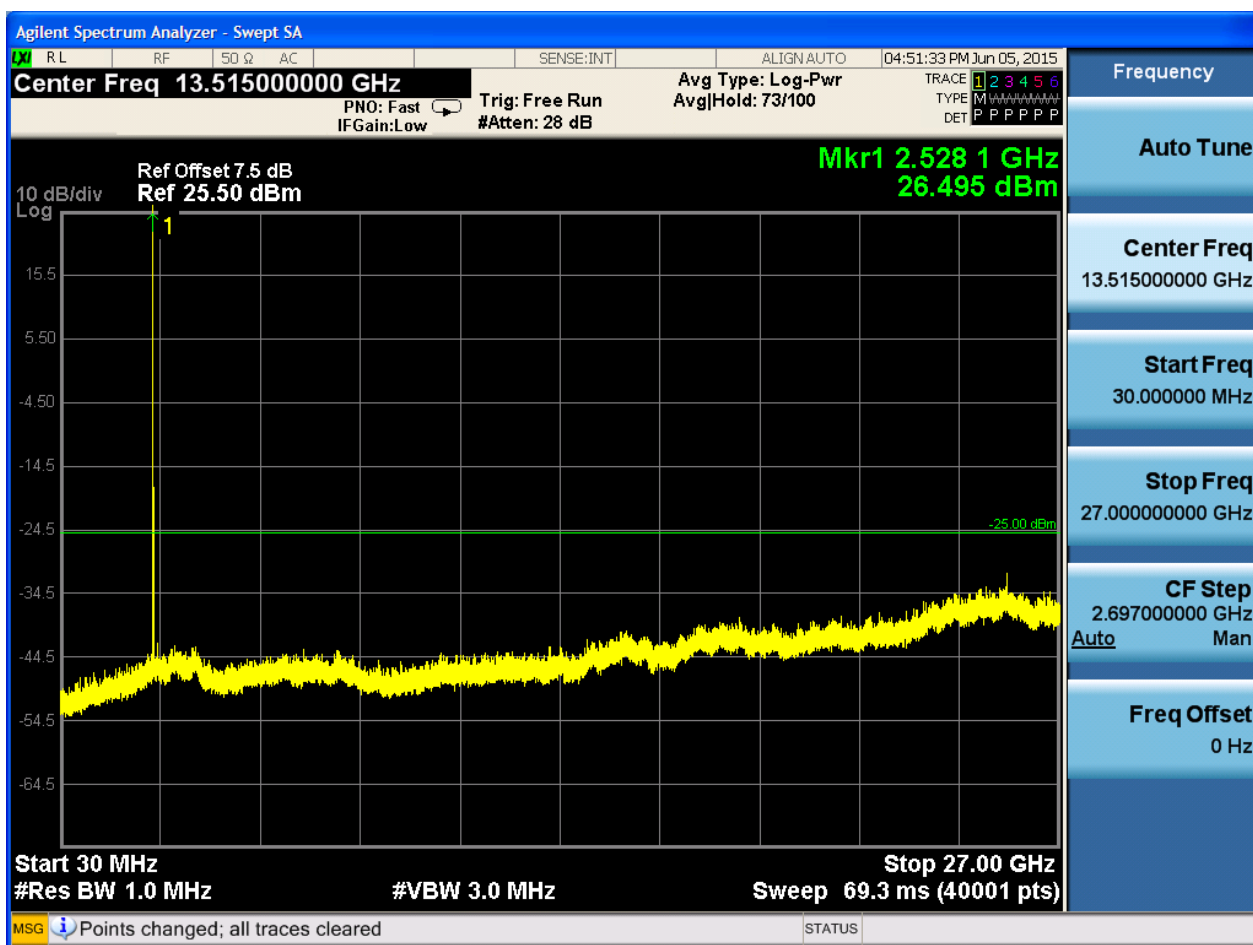


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

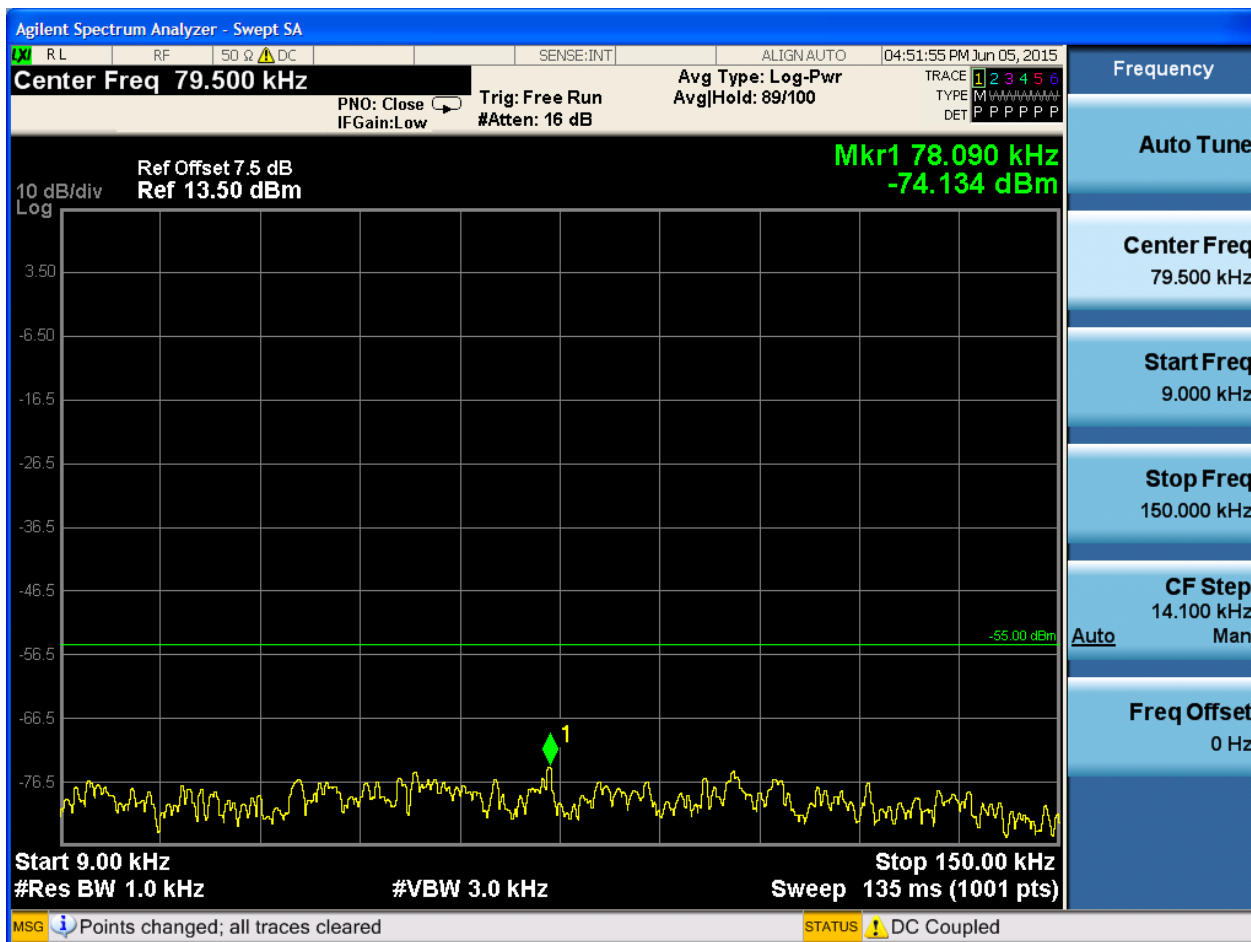


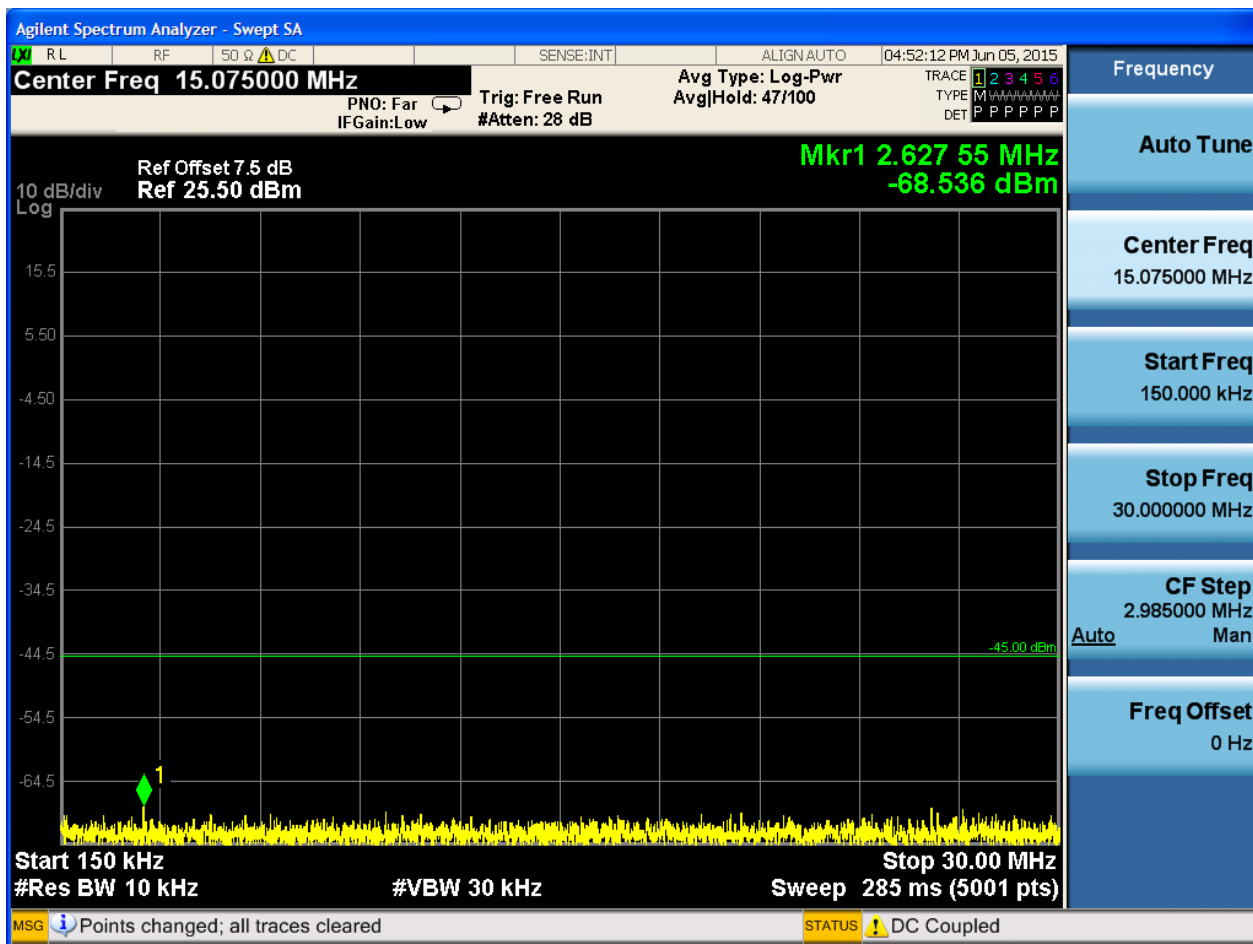


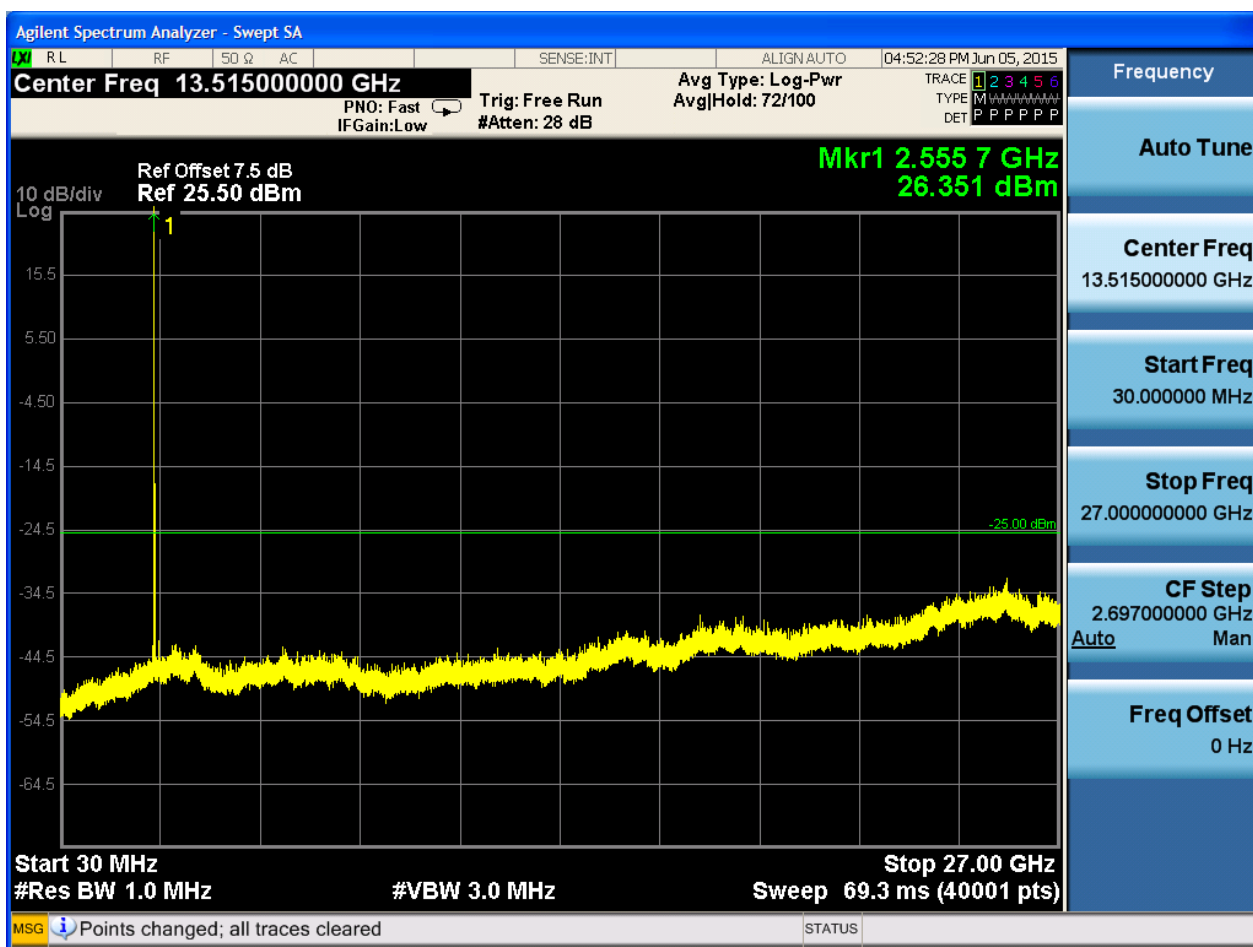


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



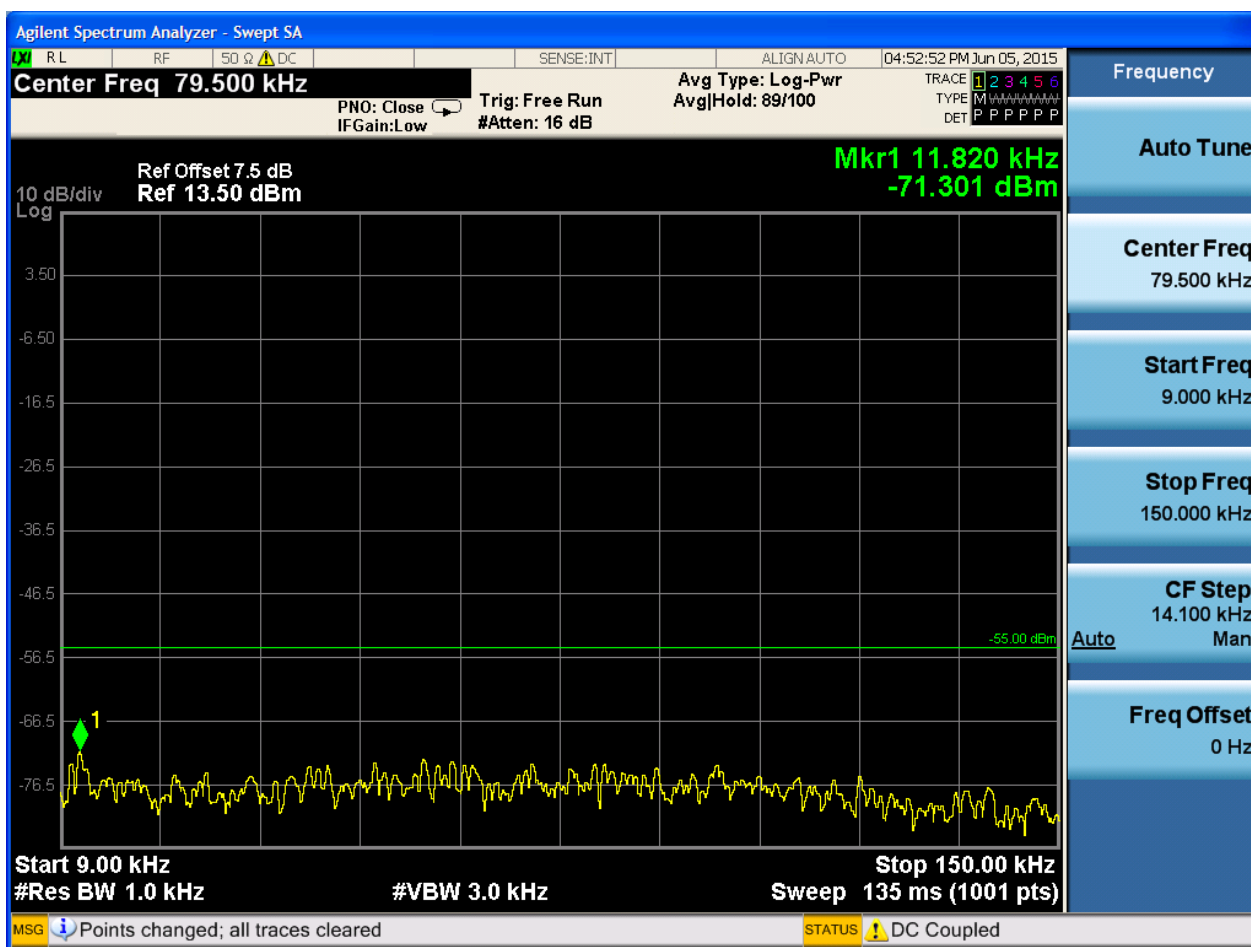




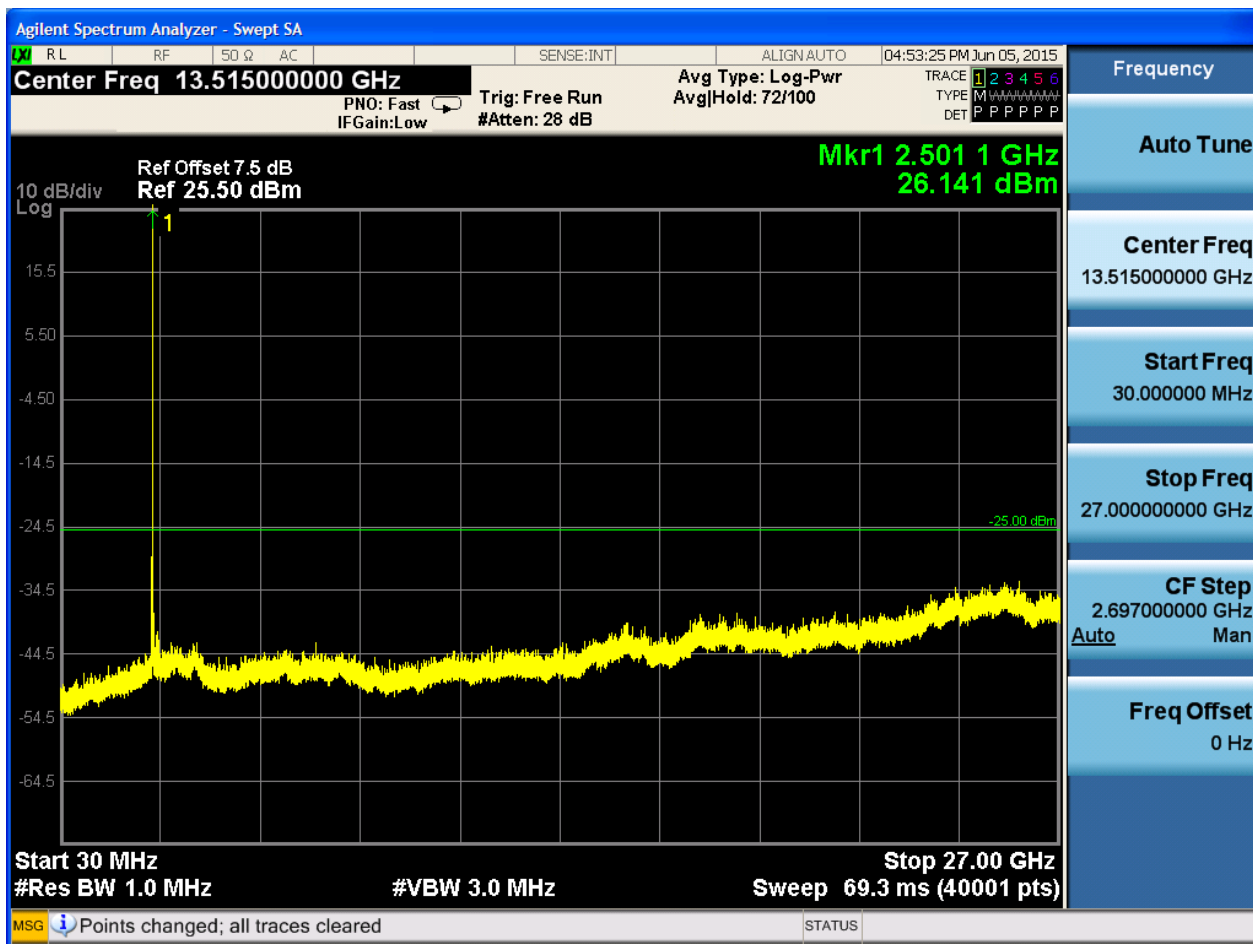
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



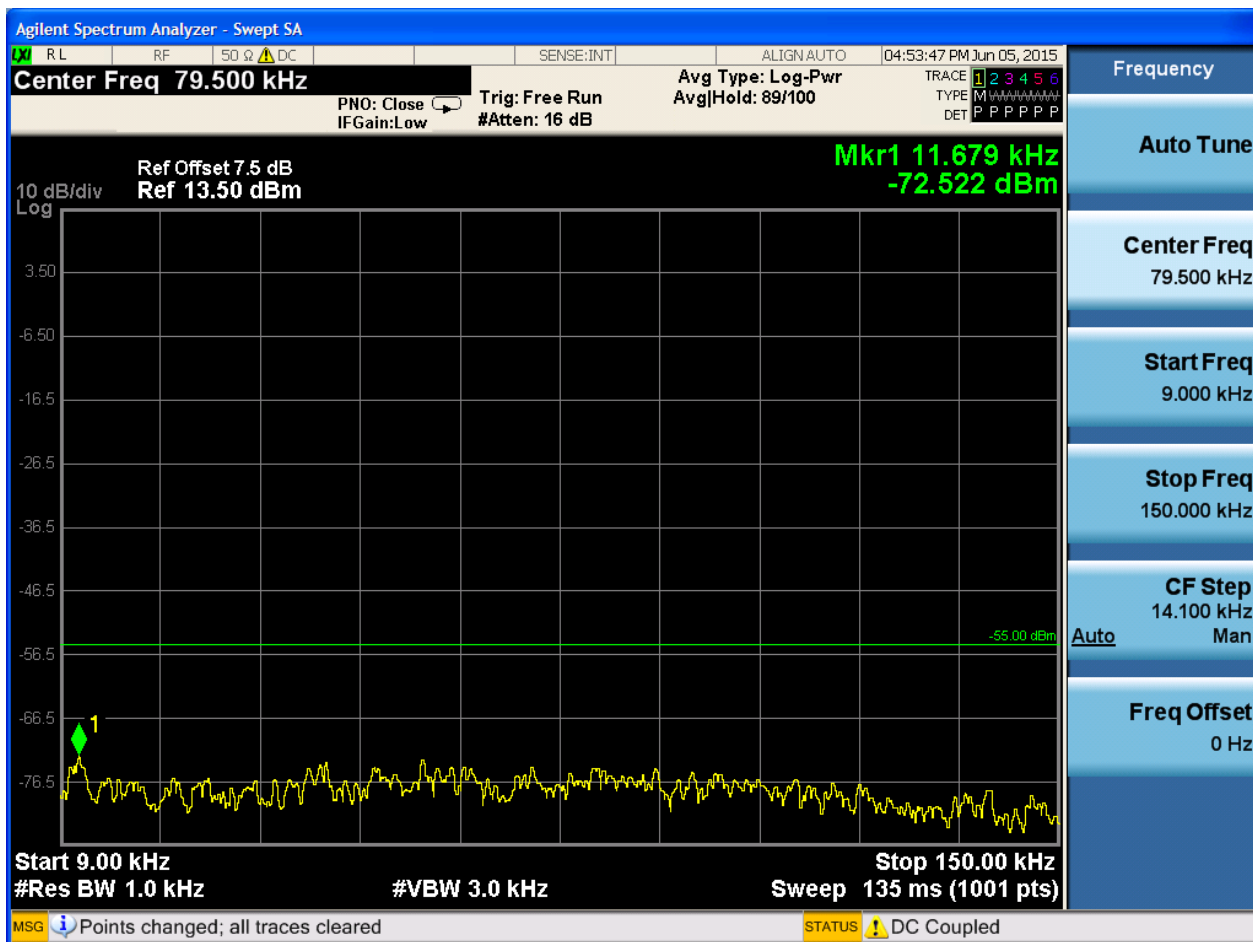


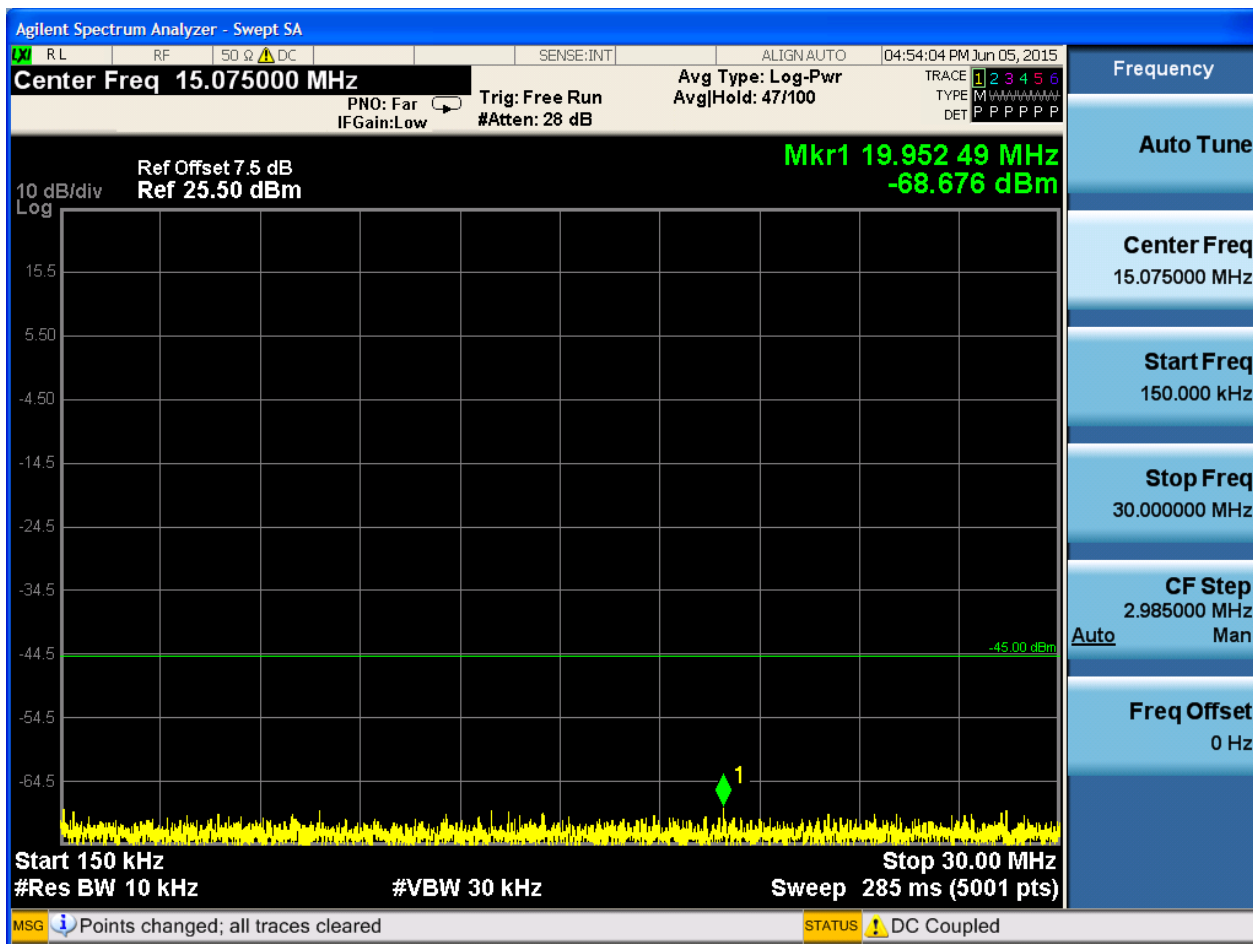




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

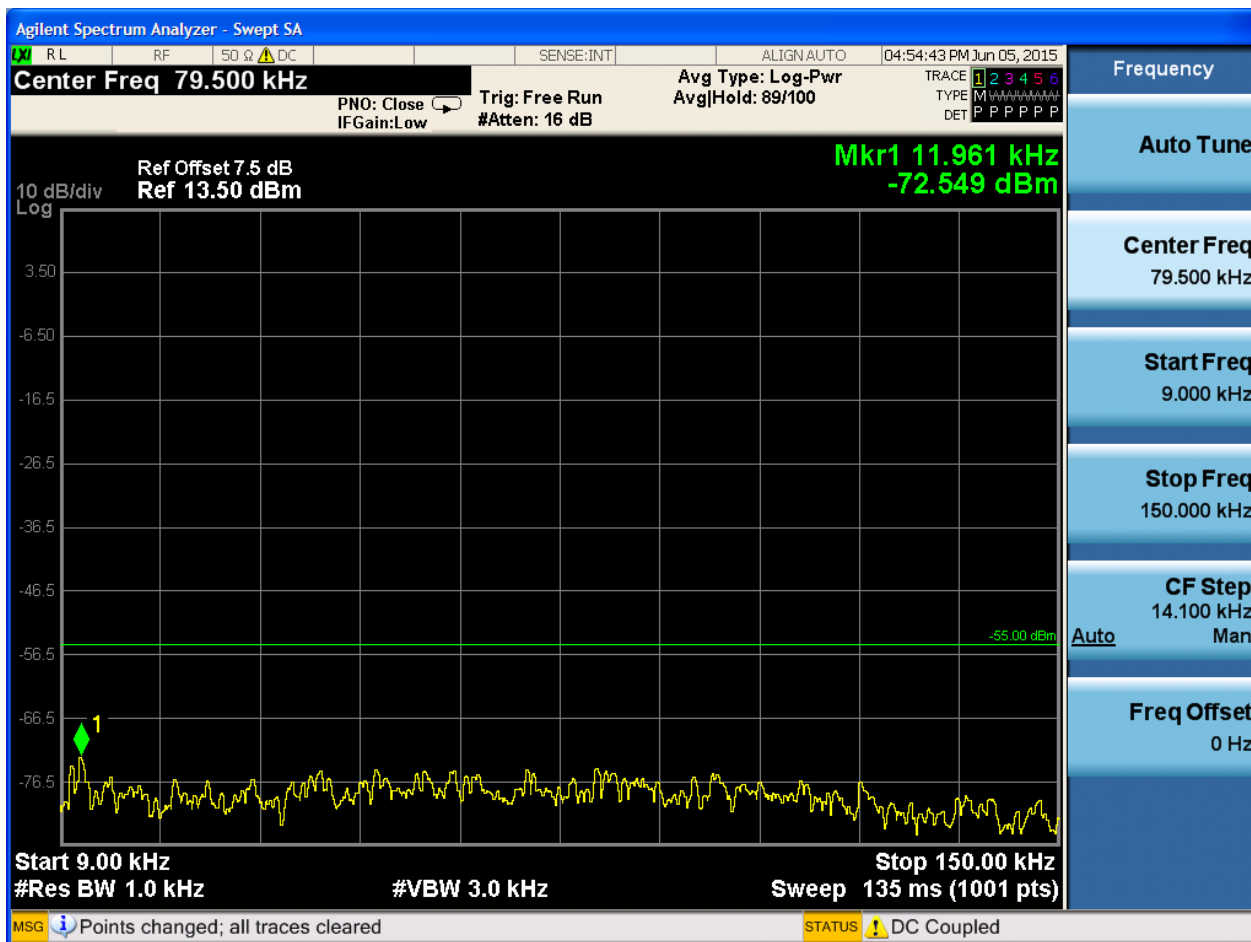


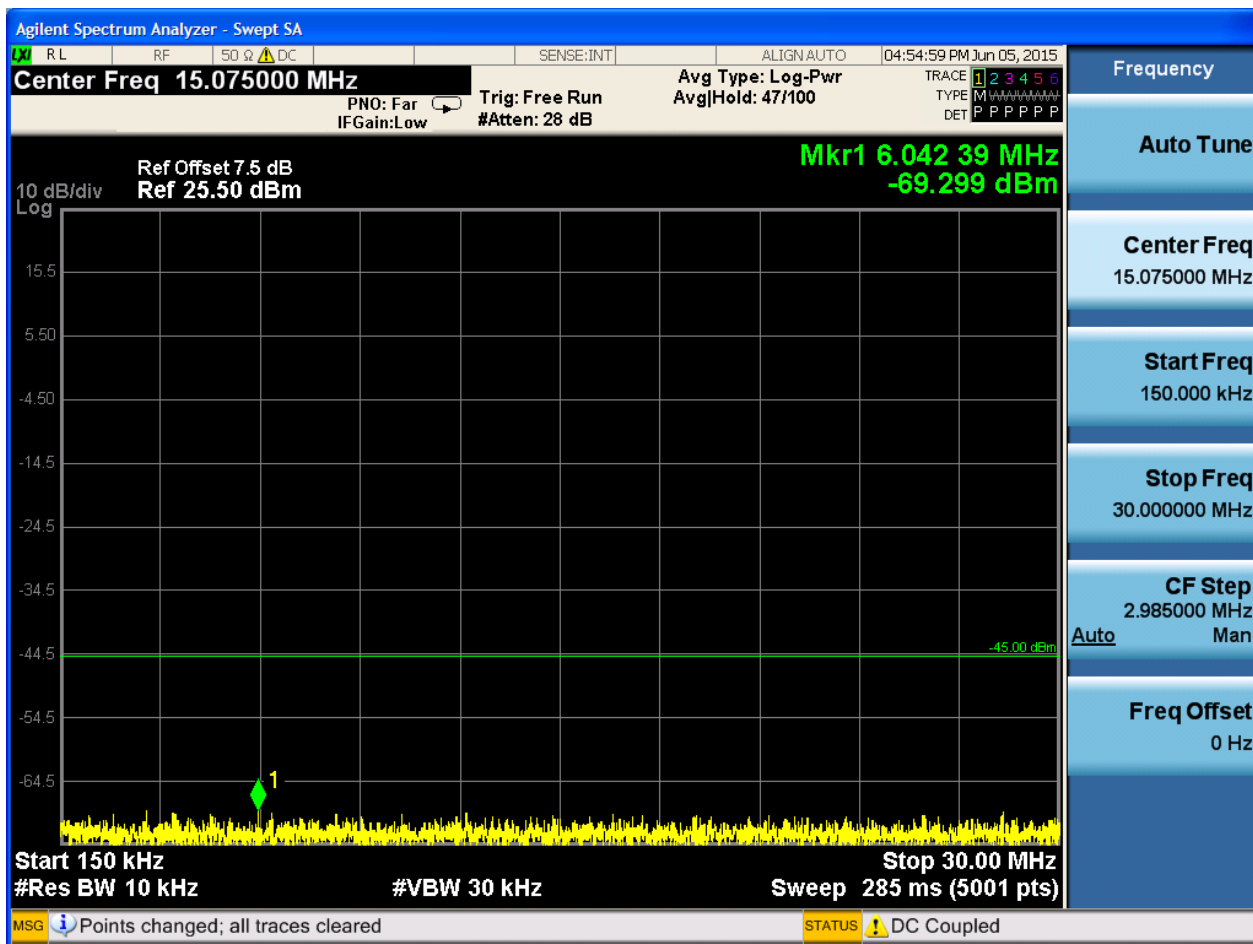


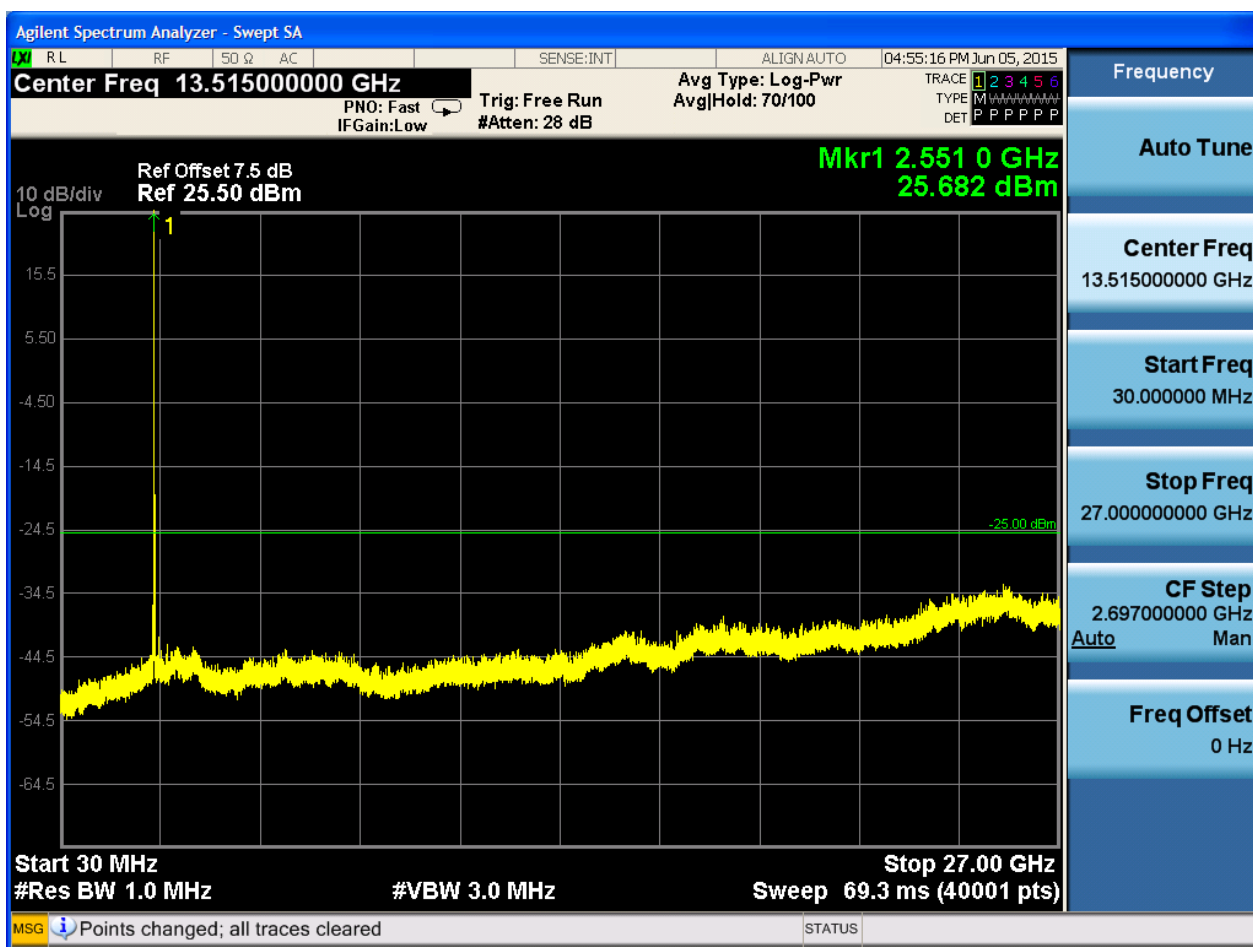


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note:

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

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

NOTE2: We tested all modes, but the data presented below is the worst case.

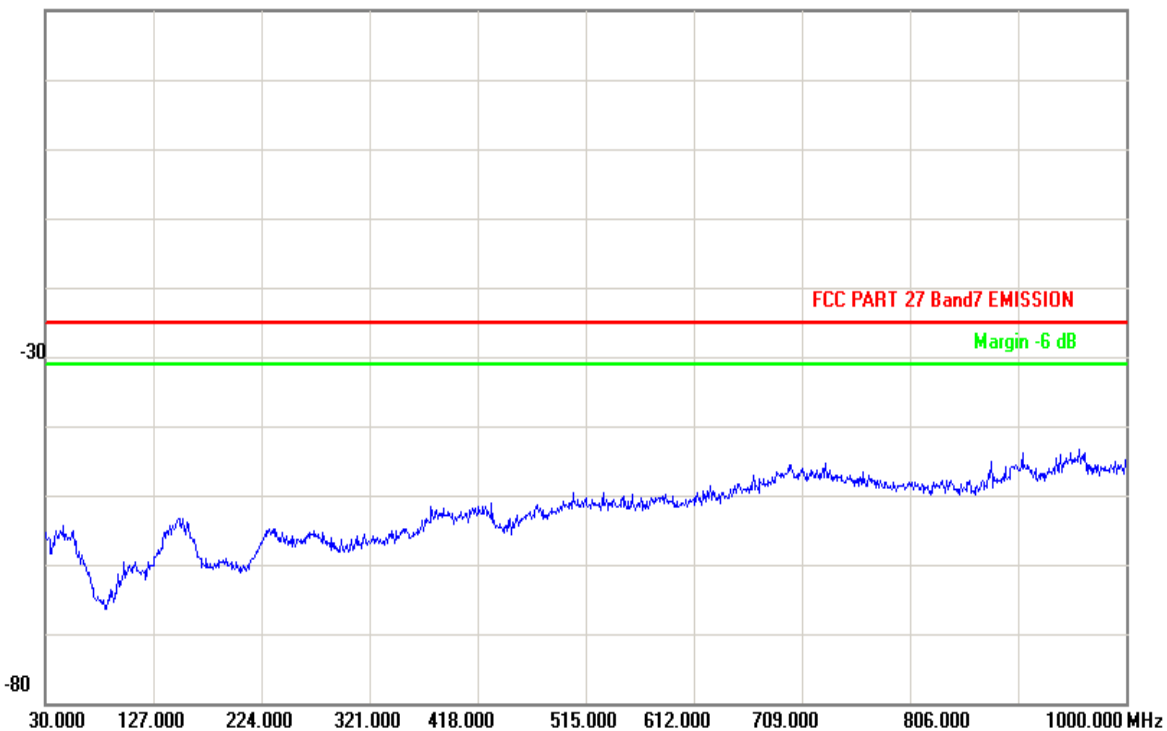
Part I - Test Plots

7.1 For LTE

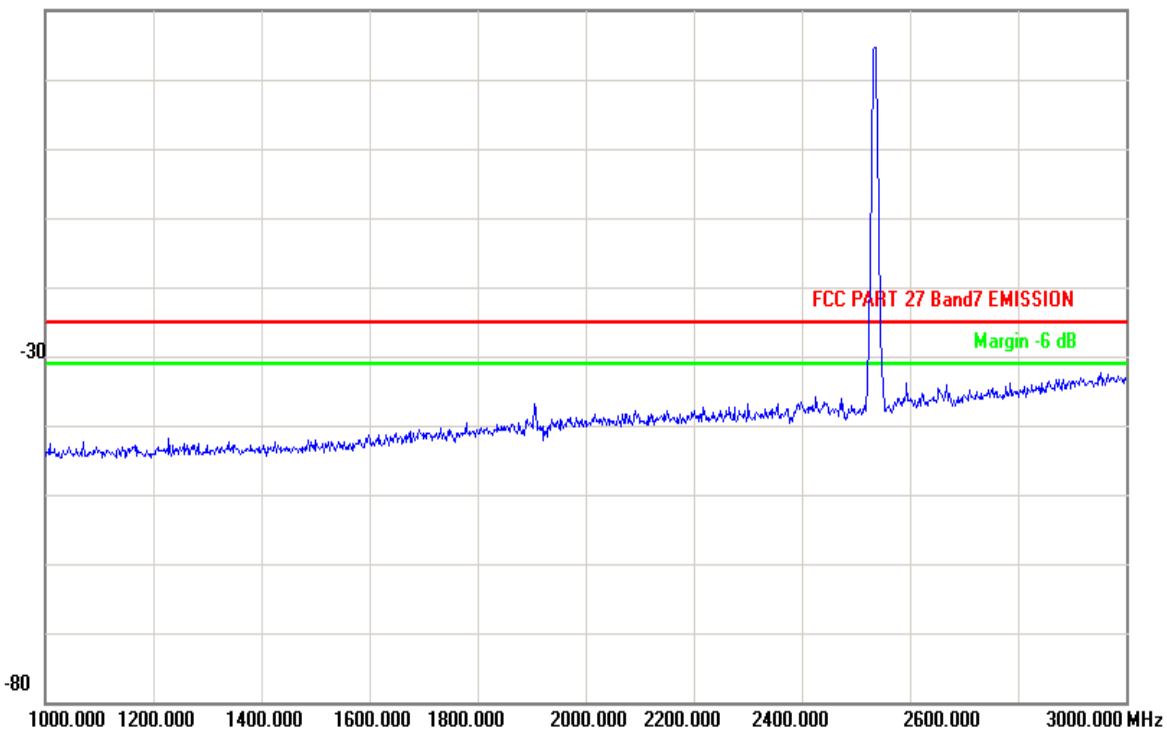
7.1.1 Test Band = BAND7

7.1.1.1 Test Bandwidth = 5

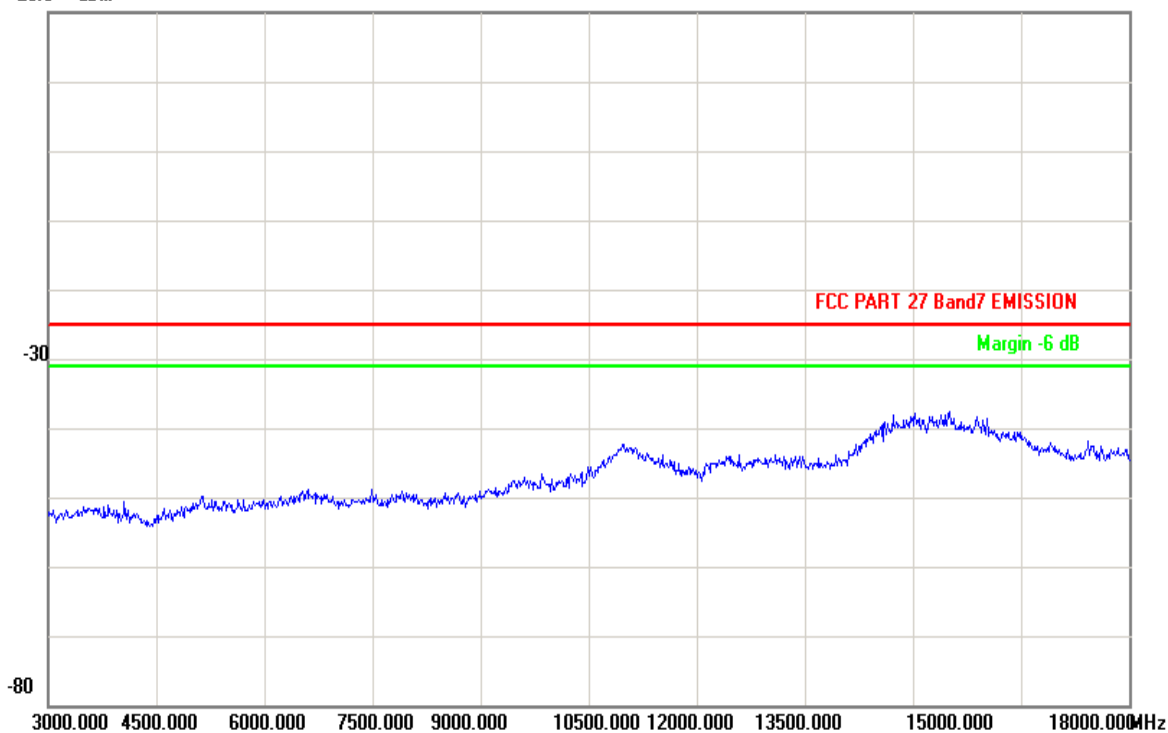
20.0 dBm



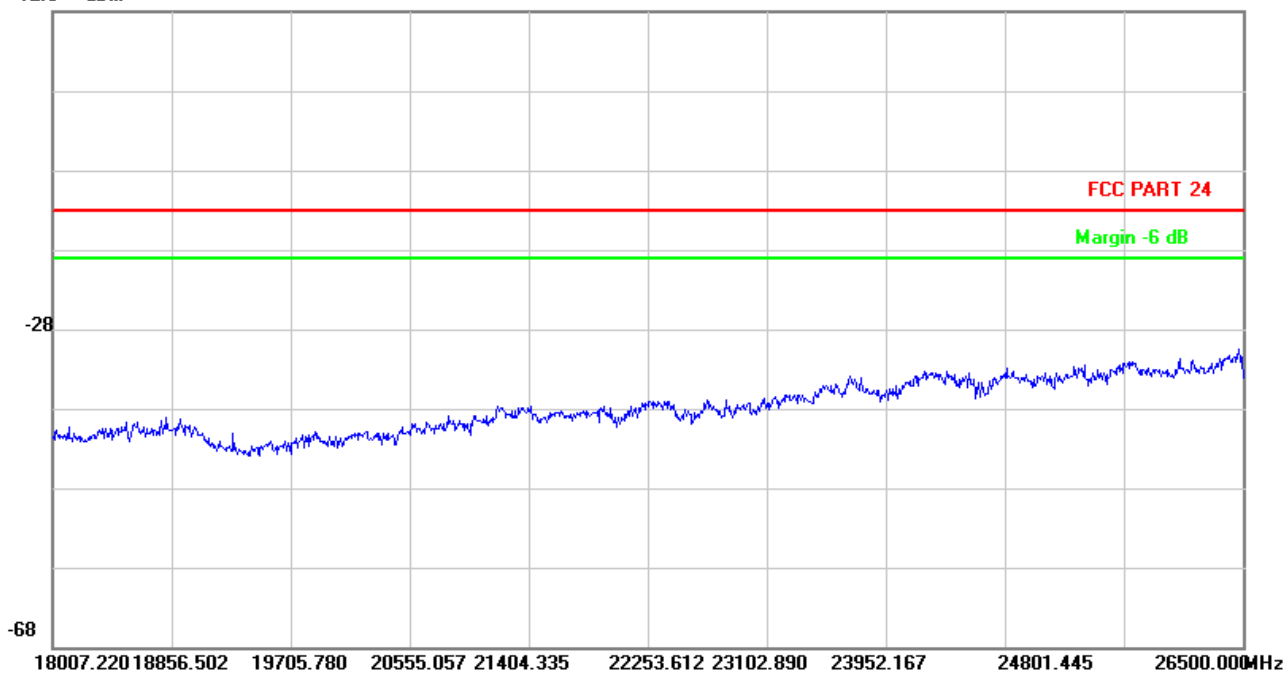
20.0 dBm



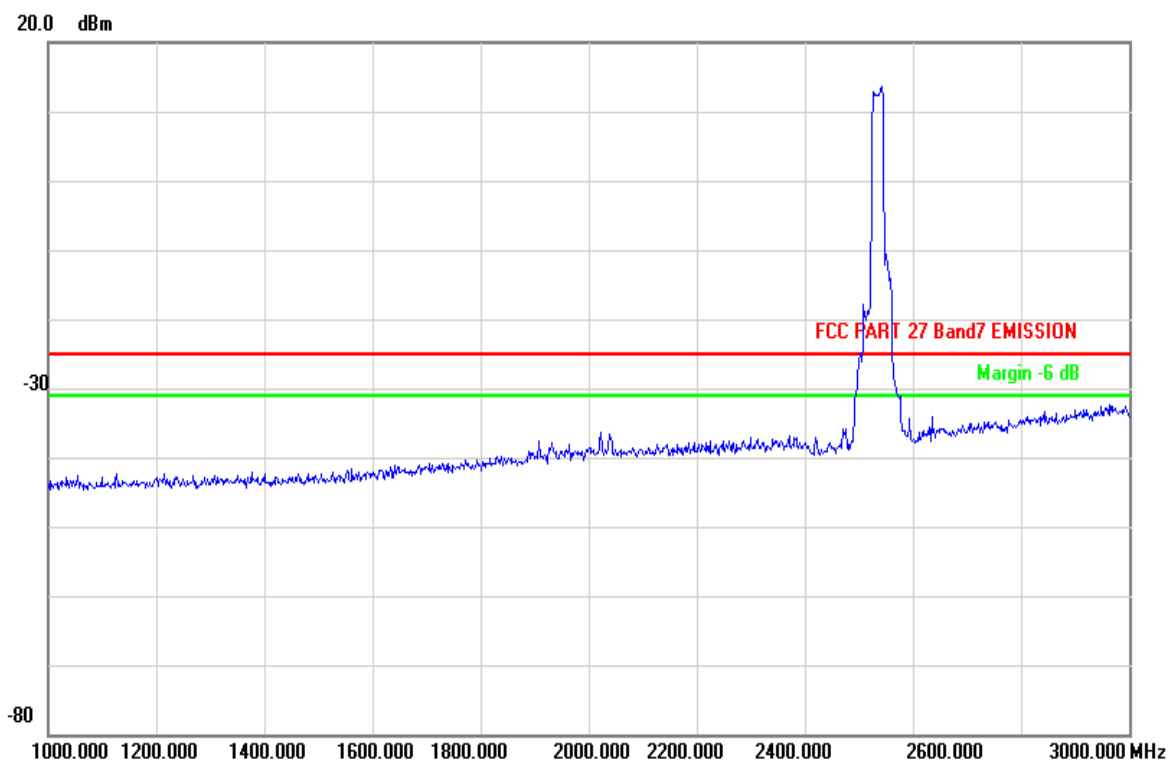
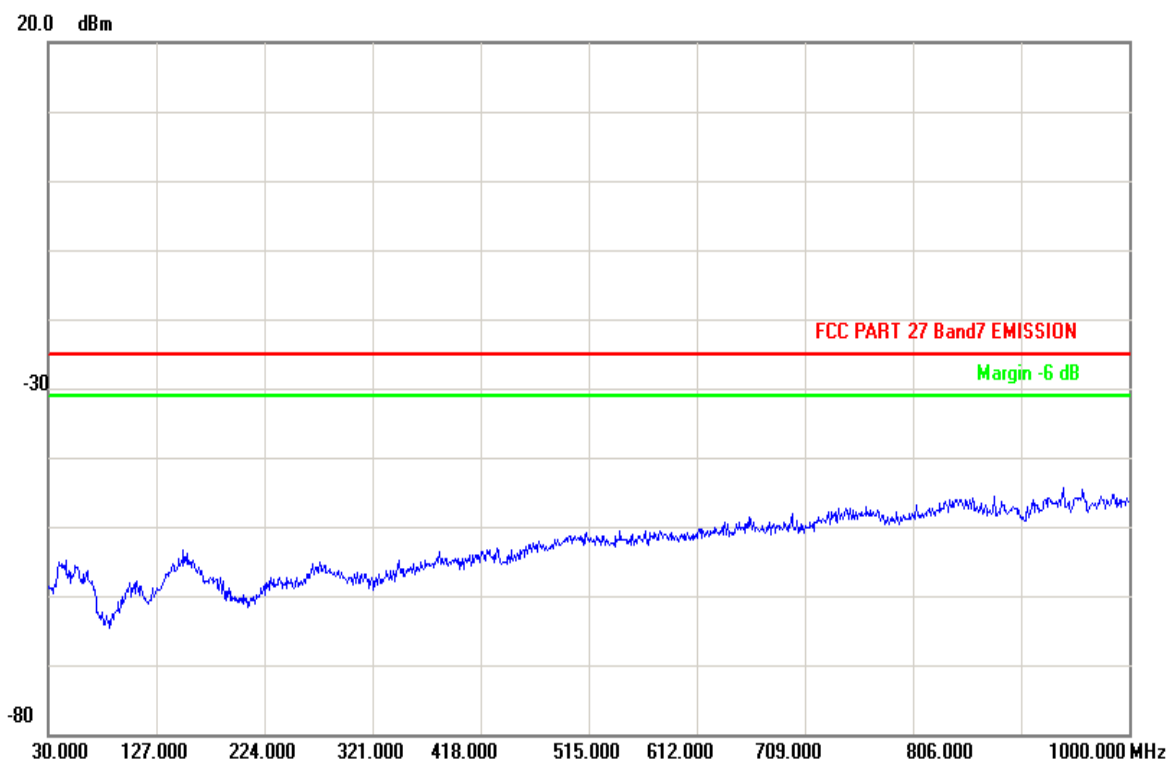
20.0 dBm



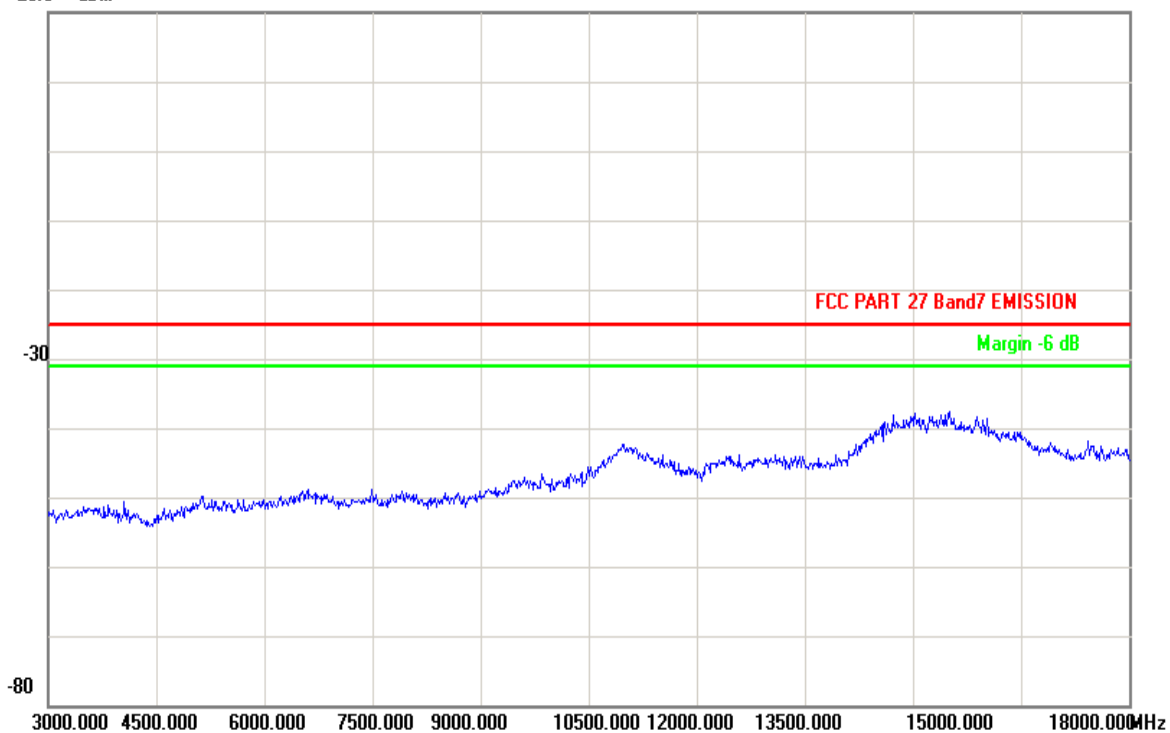
12.0 dBm



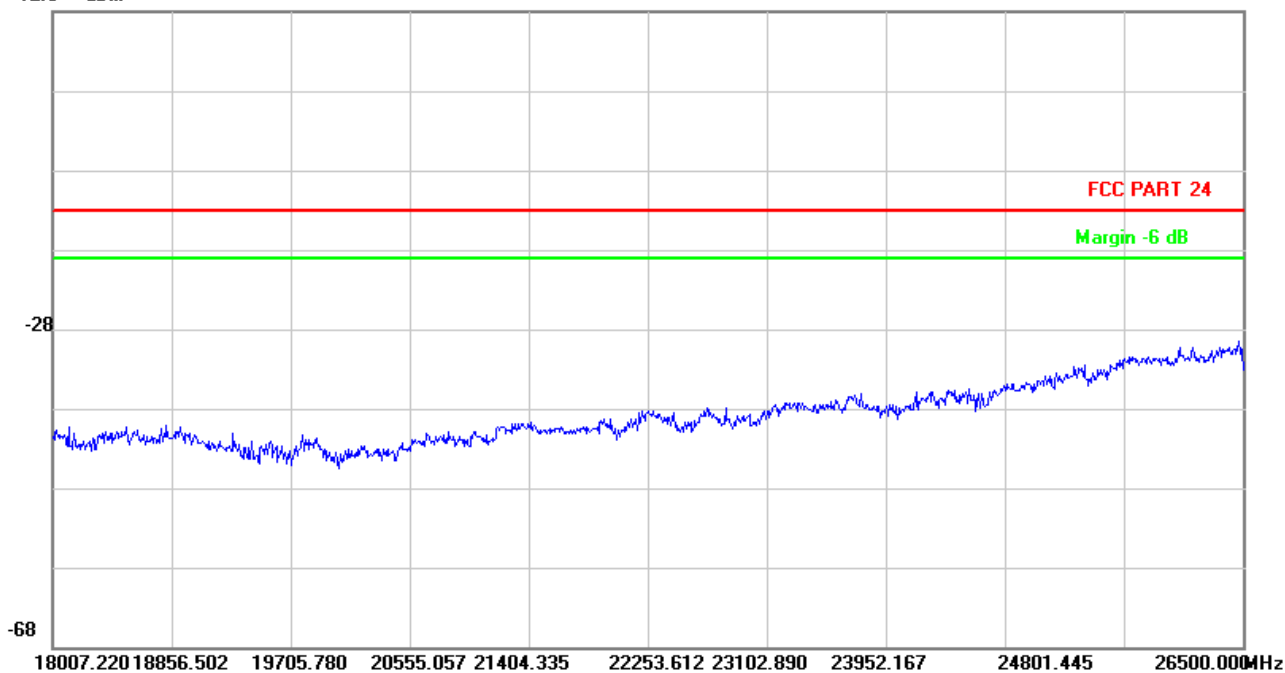
7.1.1.2 Test Bandwidth = 20



20.0 dBm



12.0 dBm



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
BAND7	LTE/TM1	5	LCH	TN	VL	-6.41	-0.00256	PASS
					VN	-8.04	-0.00321	PASS
					VH	-8.11	-0.00324	PASS
			MCH	TN	VL	-3.55	-0.0014	PASS
					VN	-3.23	-0.00127	PASS
					VH	-4.16	-0.00164	PASS
			HCH	TN	VL	1.53	0.0006	PASS
					VN	1.29	0.0005	PASS
					VH	0.2	0.00008	PASS
		10	LCH	TN	VL	-8.74	-0.00349	PASS
					VN	-10.2	-0.00407	PASS
					VH	-8.61	-0.00344	PASS
			MCH	TN	VL	-1.36	-0.00054	PASS
					VN	-0.53	-0.00021	PASS
					VH	-1.72	-0.00068	PASS
			HCH	TN	VL	8.38	0.00327	PASS
					VN	8.31	0.00324	PASS
					VH	7.84	0.00306	PASS
		15	LCH	TN	VL	5.95	0.00237	PASS
					VN	5.48	0.00219	PASS
					VH	2.02	0.00081	PASS
			MCH	TN	VL	-2.62	-0.00103	PASS
					VN	-3.53	-0.00139	PASS
					VH	-2.73	-0.00108	PASS
			HCH	TN	VL	1.67	0.00065	PASS
					VN	1.97	0.00077	PASS
					VH	0.17	0.00007	PASS
		20	LCH	TN	VL	2.25	0.0009	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	4.42	0.00176	PASS
					VH	3.15	0.00125	PASS
					VL	-2.6	-0.00103	PASS
					VN	-3.15	-0.00124	PASS
					VH	-3.23	-0.00127	PASS
					VL	-12.26	-0.00479	PASS
			HCH	TN	VN	-11.47	-0.00448	PASS
					VH	-9.56	-0.00373	PASS
			LCH	TN	VL	-3.76	-0.0015	PASS
					VN	-5.81	-0.00232	PASS
					VH	-3.39	-0.00135	PASS
					VL	-1.7	-0.00067	PASS
	LTE/TM2	5	MCH	TN	VN	-3.99	-0.00157	PASS
					VH	-4.94	-0.00195	PASS
					VL	3.15	0.00123	PASS
			HCH	TN	VN	-0.94	-0.00037	PASS
					VH	-0.11	-0.00004	PASS
					VL	-9.63	-0.00384	PASS
		10	LCH	TN	VN	-10.83	-0.00432	PASS
					VH	-9.71	-0.00388	PASS
					VL	-2.88	-0.00114	PASS
			MCH	TN	VN	-2.72	-0.00107	PASS
					VH	-3.36	-0.00133	PASS
					VL	-0.11	-0.00004	PASS
			HCH	TN	VN	-2.37	-0.00092	PASS
					VH	0.04	0.00002	PASS
		15	LCH	TN	VL	5.29	0.00211	PASS
					VN	5.04	0.00201	PASS
					VH	1.07	0.00043	PASS
			MCH	TN	VL	-2.5	-0.00099	PASS
					VN	-3.18	-0.00125	PASS
					VH	-3.99	-0.00157	PASS
			HCH	TN	VL	0.9	0.00035	PASS
					VN	4.26	0.00166	PASS
					VH	2.79	0.00109	PASS
		20	LCH	TN	VL	2.57	0.00102	PASS
					VN	2.4	0.00096	PASS
					VH	2.78	0.00111	PASS
			MCH	TN	VL	-3.89	-0.00153	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-4.08	-0.00161	PASS
					VH	-4.52	-0.00178	PASS
			HCH	TN	VL	-25.18	-0.00984	PASS
					VN	-23.49	-0.00918	PASS
					VH	-22.19	-0.00867	PASS

8.1.2Frequency 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	VN	-30	-2.53	-0.00101	PASS
					-20	-2.2	-0.00088	PASS
					-10	-3.93	-0.00157	PASS
					0	-0.23	-0.00009	PASS
					10	0.41	0.00016	PASS
					20	-1.86	-0.00074	PASS
					30	-4.08	-0.00163	PASS
					40	-4.05	-0.00162	PASS
					50	-4.79	-0.00191	PASS
			MCH	VN	-30	-4.33	-0.00171	PASS
					-20	-1.22	-0.00048	PASS
					-10	-3.29	-0.0013	PASS
					0	-3.43	-0.00135	PASS
					10	-4.23	-0.00167	PASS
					20	-4.08	-0.00161	PASS
					30	-3.92	-0.00155	PASS
					40	-5.71	-0.00225	PASS
					50	-4.98	-0.00196	PASS
			HCH	VN	-30	4.29	0.00167	PASS
					-20	2.5	0.00097	PASS
					-10	3.89	0.00152	PASS
					0	2.68	0.00104	PASS
					10	6.04	0.00235	PASS
					20	3.28	0.00128	PASS
					30	0.92	0.00036	PASS
					40	0.09	0.00004	PASS
					50	1.56	0.00061	PASS
		10	LCH	VN	-30	-4.39	-0.00175	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-0.89	-0.00036	PASS
					-10	-0.87	-0.00035	PASS
					0	-1.97	-0.00079	PASS
					10	0.77	0.00031	PASS
					20	-3.16	-0.00126	PASS
					30	-3.56	-0.00142	PASS
					40	-3.16	-0.00126	PASS
					50	-4.15	-0.00166	PASS
			MCH	VN	-30	0.21	0.00008	PASS
					-20	0.34	0.00013	PASS
					-10	-2.09	-0.00082	PASS
					0	-0.57	-0.00022	PASS
					10	-1.62	-0.00064	PASS
					20	0.26	0.0001	PASS
					30	-1.4	-0.00055	PASS
					40	1.16	0.00046	PASS
					50	0.96	0.00038	PASS
			HCH	VN	-30	4.12	0.00161	PASS
					-20	5.65	0.0022	PASS
					-10	3.18	0.00124	PASS
					0	1.66	0.00065	PASS
					10	5.11	0.00199	PASS
					20	3.89	0.00152	PASS
					30	5.46	0.00213	PASS
					40	4.12	0.00161	PASS
					50	3.95	0.00154	PASS
		15	LCH	VN	-30	4.62	0.00184	PASS
					-20	3.78	0.00151	PASS
					-10	6.52	0.0026	PASS
					0	5.69	0.00227	PASS
					10	4.94	0.00197	PASS
					20	6.61	0.00264	PASS
					30	5.69	0.00227	PASS
					40	6.34	0.00253	PASS
					50	6.49	0.00259	PASS
			MCH	VN	-30	-3.56	-0.0014	PASS
					-20	-5.42	-0.00214	PASS
					-10	-2.06	-0.00081	PASS
					0	-4.41	-0.00174	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-2.47	-0.00097	PASS
					20	-2.3	-0.00091	PASS
					30	-3.22	-0.00127	PASS
					40	-5.58	-0.0022	PASS
					50	-3.62	-0.00143	PASS
			HCH	VN	-30	3.91	0.00153	PASS
					-20	3.93	0.00153	PASS
					-10	4.18	0.00163	PASS
					0	2.93	0.00114	PASS
					10	1.95	0.00076	PASS
					20	3.36	0.00131	PASS
					30	3.63	0.00142	PASS
					40	2.89	0.00113	PASS
					50	2.65	0.00103	PASS
		20	LCH	VN	-30	3.12	0.00124	PASS
					-20	1.57	0.00063	PASS
					-10	2.66	0.00106	PASS
					0	2.13	0.00085	PASS
					10	3.65	0.00145	PASS
					20	1.96	0.00078	PASS
					30	1.9	0.00076	PASS
					40	0.57	0.00023	PASS
					50	0.67	0.00027	PASS
			MCH	VN	-30	-2.72	-0.00107	PASS
					-20	-1.44	-0.00057	PASS
					-10	-2.8	-0.0011	PASS
					0	-1.07	-0.00042	PASS
					10	-1.67	-0.00066	PASS
					20	-1.17	-0.00046	PASS
					30	-3.2	-0.00126	PASS
					40	-2.55	-0.00101	PASS
					50	-0.72	-0.00028	PASS
			HCH	VN	-30	-24.1	-0.00941	PASS
					-20	-22.46	-0.00877	PASS
					-10	-21.36	-0.00834	PASS
					0	-24.18	-0.00945	PASS
					10	-22.36	-0.00873	PASS
					20	-21.76	-0.0085	PASS
					30	-23.56	-0.0092	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5			40	-22.33	-0.00872	PASS
					50	-23.3	-0.0091	PASS
			LCH	VN	-30	-6.59	-0.00263	PASS
					-20	-5.01	-0.002	PASS
					-10	-6.12	-0.00245	PASS
					0	-7.78	-0.00311	PASS
					10	-9.11	-0.00364	PASS
					20	-2.8	-0.00112	PASS
					30	-3.5	-0.0014	PASS
					40	-7.57	-0.00302	PASS
					50	-4.51	-0.0018	PASS
			MCH	VN	-30	-3.03	-0.0012	PASS
					-20	-2.52	-0.00099	PASS
					-10	-3.79	-0.0015	PASS
					0	-2.62	-0.00103	PASS
					10	-1.95	-0.00077	PASS
					20	-1.56	-0.00062	PASS
					30	-2.47	-0.00097	PASS
					40	-2.68	-0.00106	PASS
					50	-2.02	-0.0008	PASS
			HCH	VN	-30	3.55	0.00138	PASS
					-20	3.18	0.00124	PASS
					-10	5.92	0.00231	PASS
					0	5.25	0.00204	PASS
					10	3.28	0.00128	PASS
					20	4.31	0.00168	PASS
					30	2.2	0.00086	PASS
					40	3.23	0.00126	PASS
					50	2.46	0.00096	PASS
		10	LCH	VN	-30	-1.06	-0.00042	PASS
					-20	-4.84	-0.00193	PASS
					-10	-3.78	-0.00151	PASS
					0	-3.93	-0.00157	PASS
					10	-3.09	-0.00123	PASS
					20	-0.84	-0.00034	PASS
					30	-2.19	-0.00087	PASS
					40	-3.43	-0.00137	PASS
					50	-2.27	-0.00091	PASS
			MCH	VN	-30	-2.4	-0.00095	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-3.35	-0.00132	PASS
					-10	-3.58	-0.00141	PASS
					0	-4.55	-0.00179	PASS
					10	-3.69	-0.00146	PASS
					20	-2.52	-0.00099	PASS
					30	-3.45	-0.00136	PASS
					40	-3.65	-0.00144	PASS
					50	-3.73	-0.00147	PASS
			HCH	VN	-30	4.53	0.00177	PASS
					-20	7.02	0.00274	PASS
					-10	6.25	0.00244	PASS
					0	6.67	0.0026	PASS
					10	3.2	0.00125	PASS
					20	3.26	0.00127	PASS
					30	6.95	0.00271	PASS
					40	2.57	0.001	PASS
					50	4.73	0.00184	PASS
		15	LCH	VN	-30	3.95	0.00158	PASS
					-20	4.96	0.00198	PASS
					-10	4.36	0.00174	PASS
					0	3.92	0.00156	PASS
					10	5.35	0.00213	PASS
					20	4.03	0.00161	PASS
					30	5.49	0.00219	PASS
					40	2.92	0.00116	PASS
					50	2.07	0.00083	PASS
			MCH	VN	-30	-4.79	-0.00189	PASS
					-20	-2.12	-0.00084	PASS
					-10	-5.52	-0.00218	PASS
					0	-2.62	-0.00103	PASS
					10	-4.45	-0.00176	PASS
					20	-2.69	-0.00106	PASS
					30	-4.02	-0.00159	PASS
					40	-3.85	-0.00152	PASS
					50	-3.6	-0.00142	PASS
			HCH	VN	-30	2.05	0.0008	PASS
					-20	3.43	0.00134	PASS
					-10	0.86	0.00034	PASS
					0	2.72	0.00106	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.29	0.00089	PASS
					20	1.85	0.00072	PASS
					30	3.36	0.00131	PASS
					40	2.89	0.00113	PASS
					50	1.6	0.00062	PASS
		20	LCH	VN	-30	4.72	0.00188	PASS
					-20	4.29	0.00171	PASS
					-10	4.25	0.00169	PASS
					0	1.75	0.0007	PASS
					10	2.63	0.00105	PASS
					20	2.83	0.00113	PASS
					30	2.62	0.00104	PASS
					40	1.7	0.00068	PASS
					50	4.03	0.00161	PASS
			MCH	VN	-30	-3.59	-0.00142	PASS
					-20	-3.62	-0.00143	PASS
					-10	-2.1	-0.00083	PASS
					0	-3.93	-0.00155	PASS
					10	-3.79	-0.0015	PASS
					20	-4.35	-0.00172	PASS
					30	-4.45	-0.00176	PASS
					40	-2.45	-0.00097	PASS
					50	-2.05	-0.00081	PASS
			HCH	VN	-30	-20.83	-0.00814	PASS
					-20	-24.93	-0.00974	PASS
					-10	-22.65	-0.00885	PASS
					0	-23.03	-0.009	PASS
					10	-23.5	-0.00918	PASS
					20	-22	-0.00859	PASS
					30	-21.84	-0.00853	PASS
					40	-23.36	-0.00912	PASS
					50	-23.29	-0.0091	PASS

END