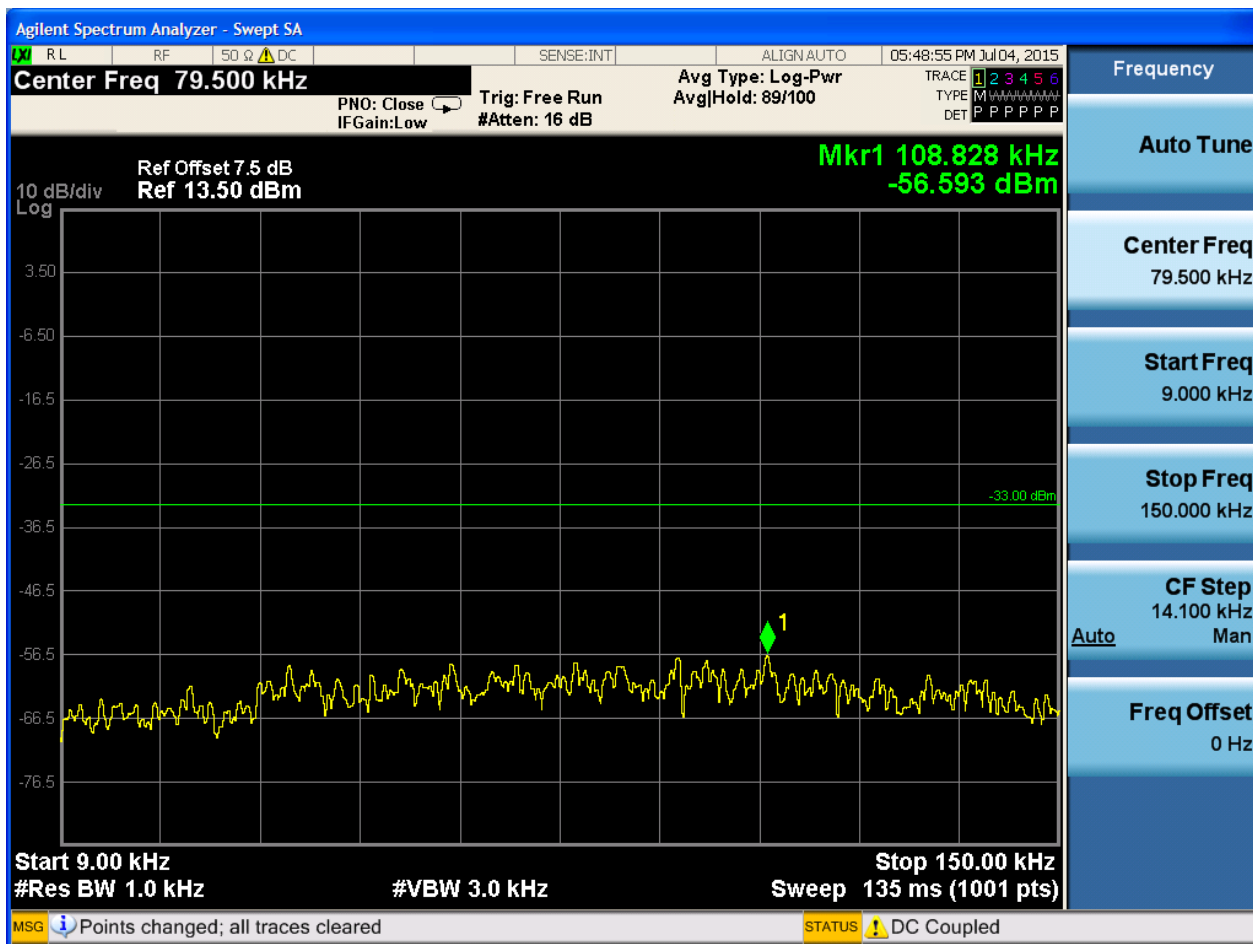


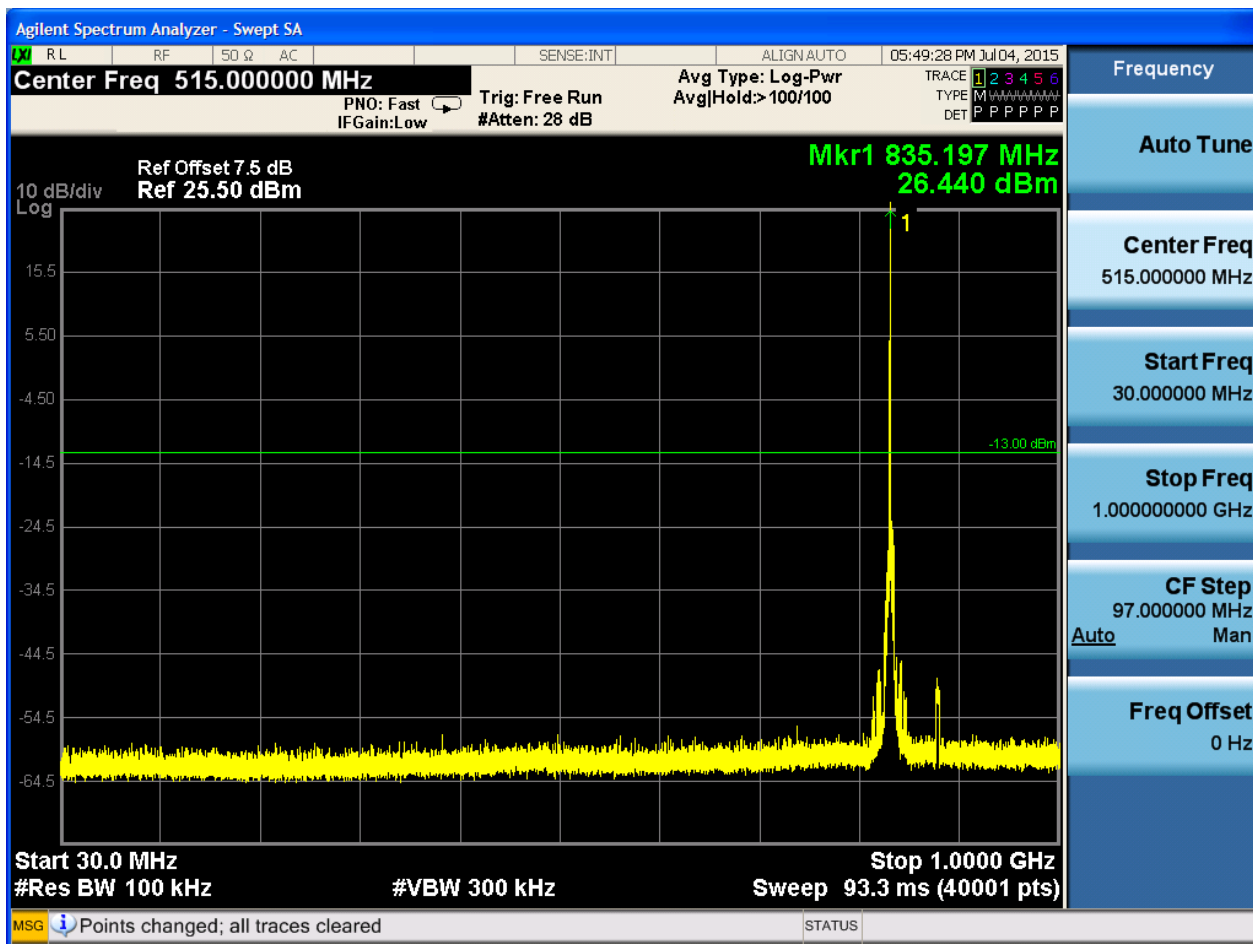


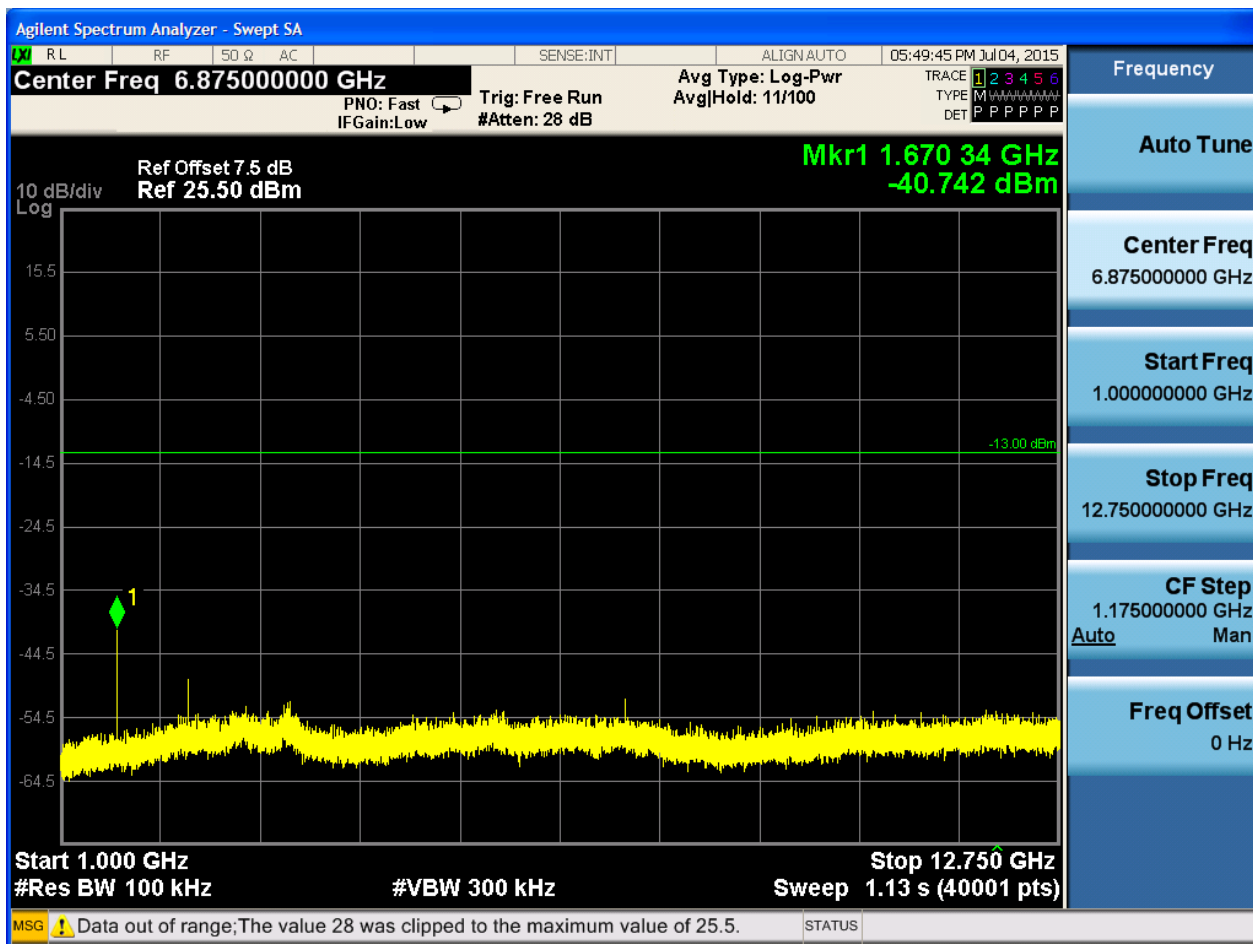
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





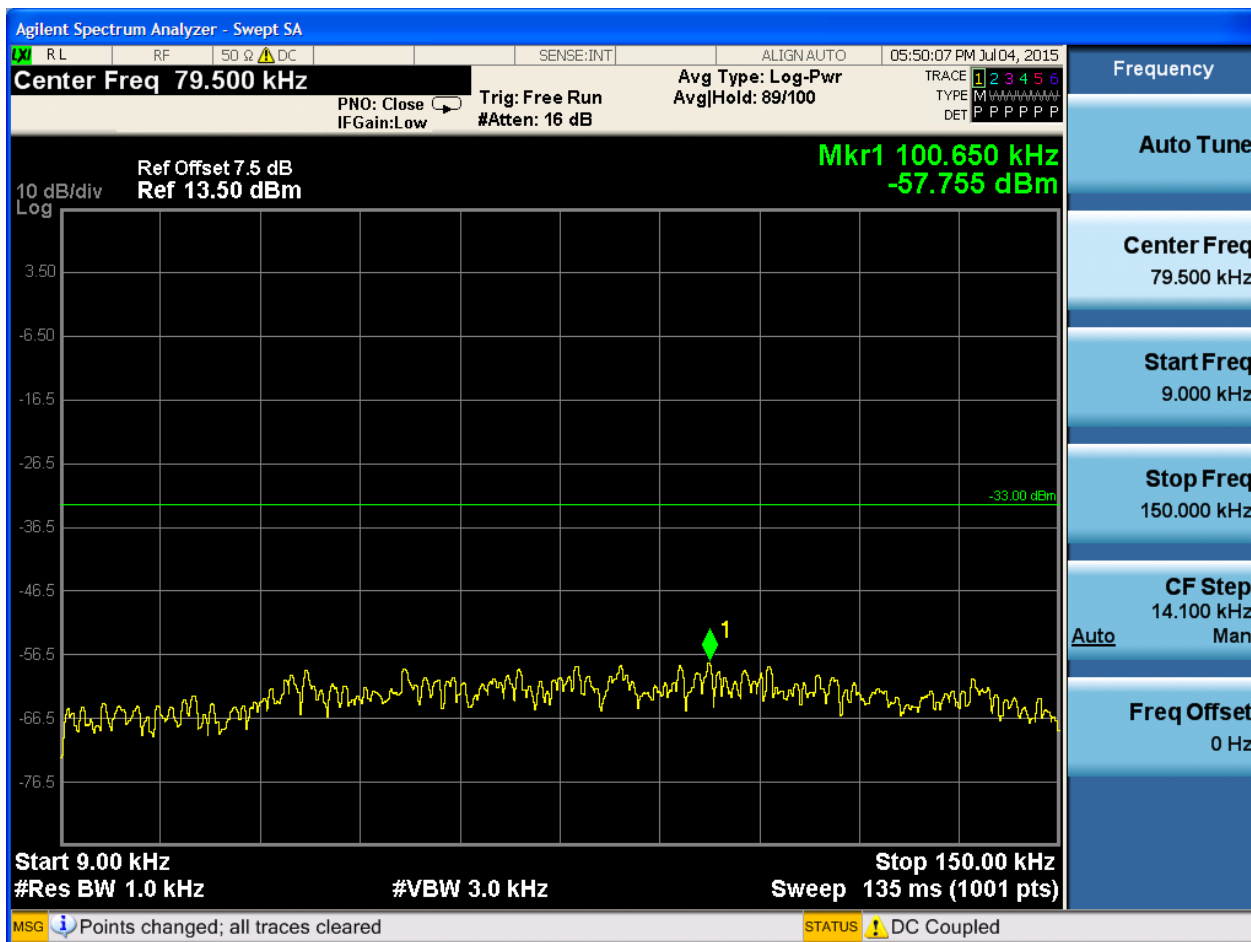


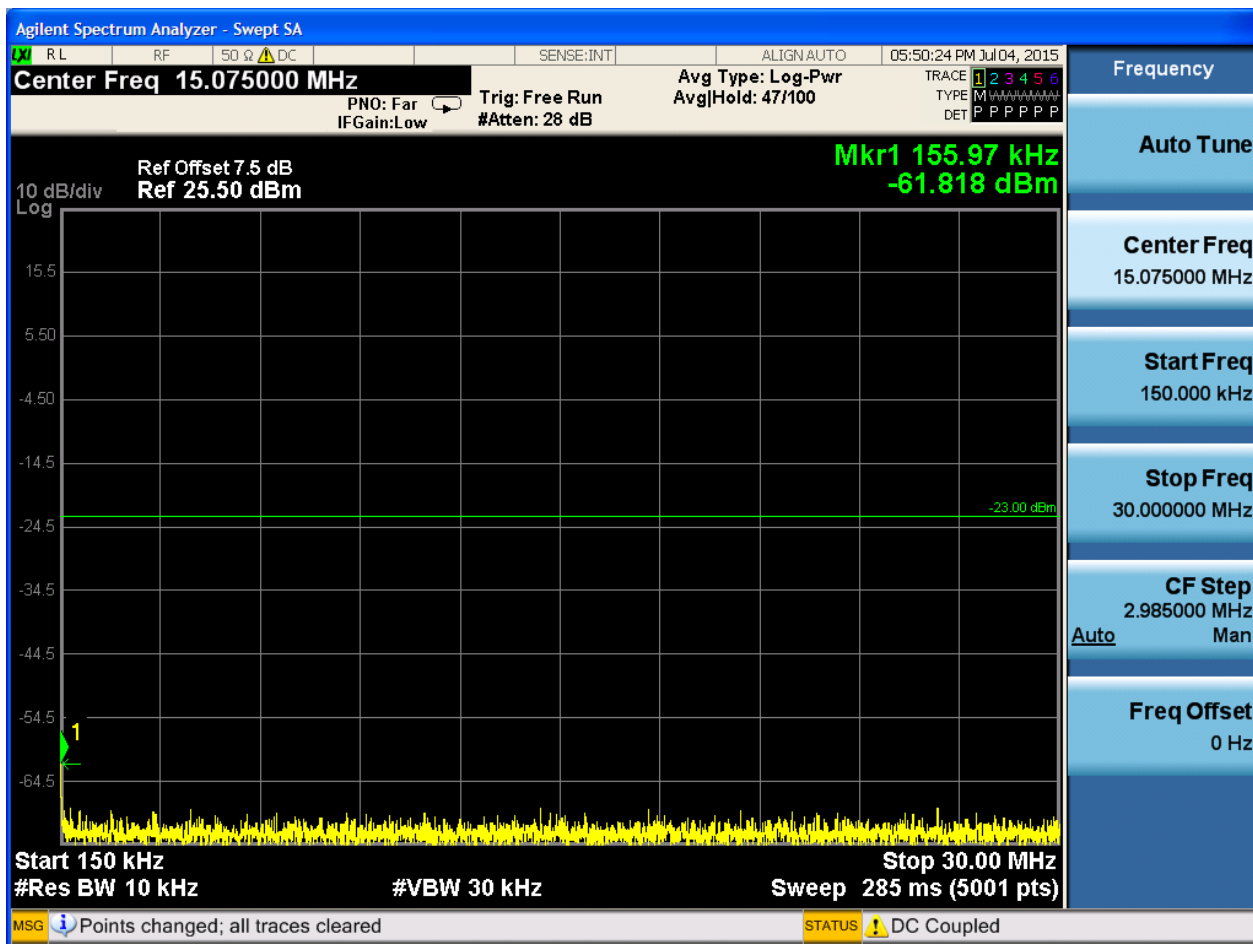


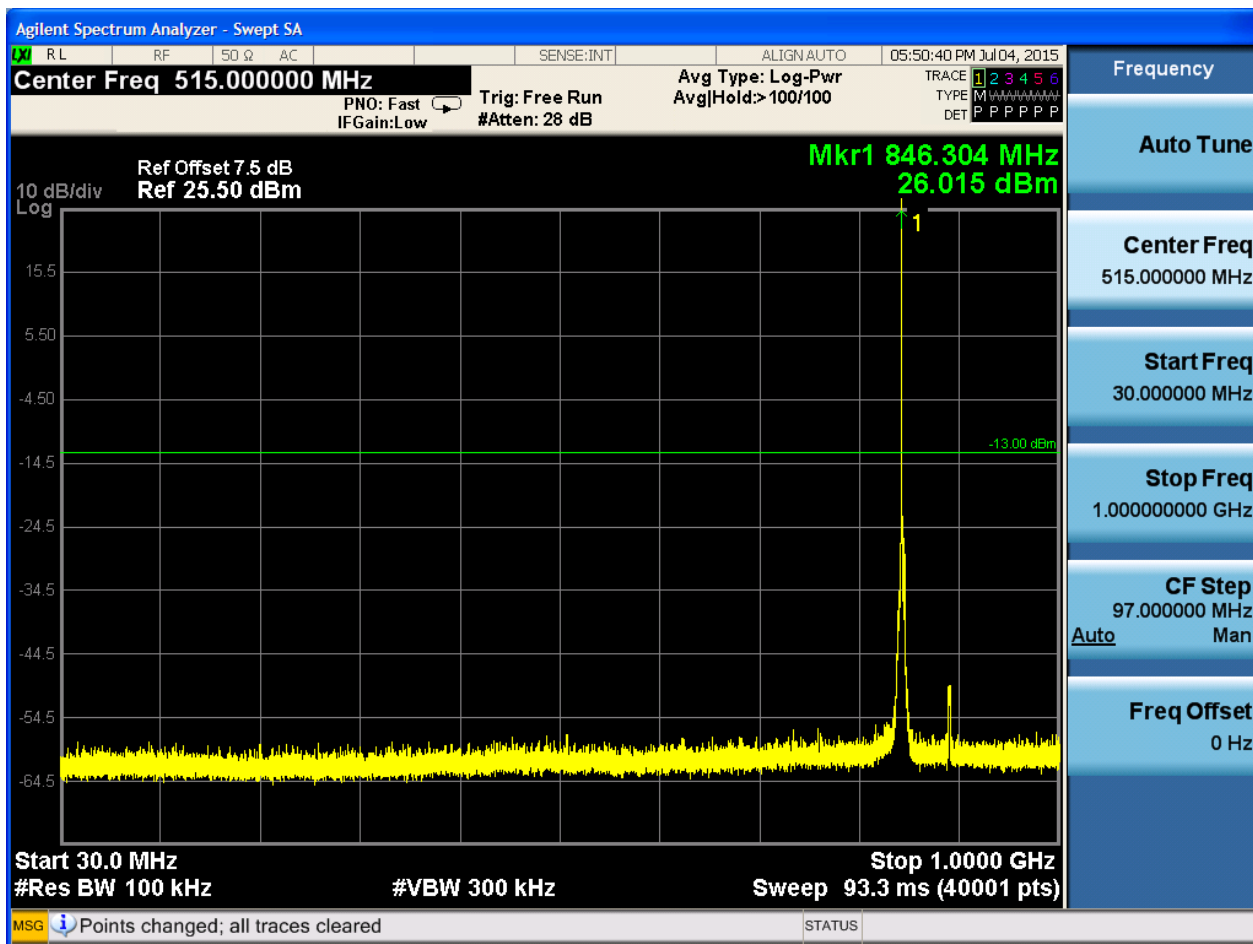


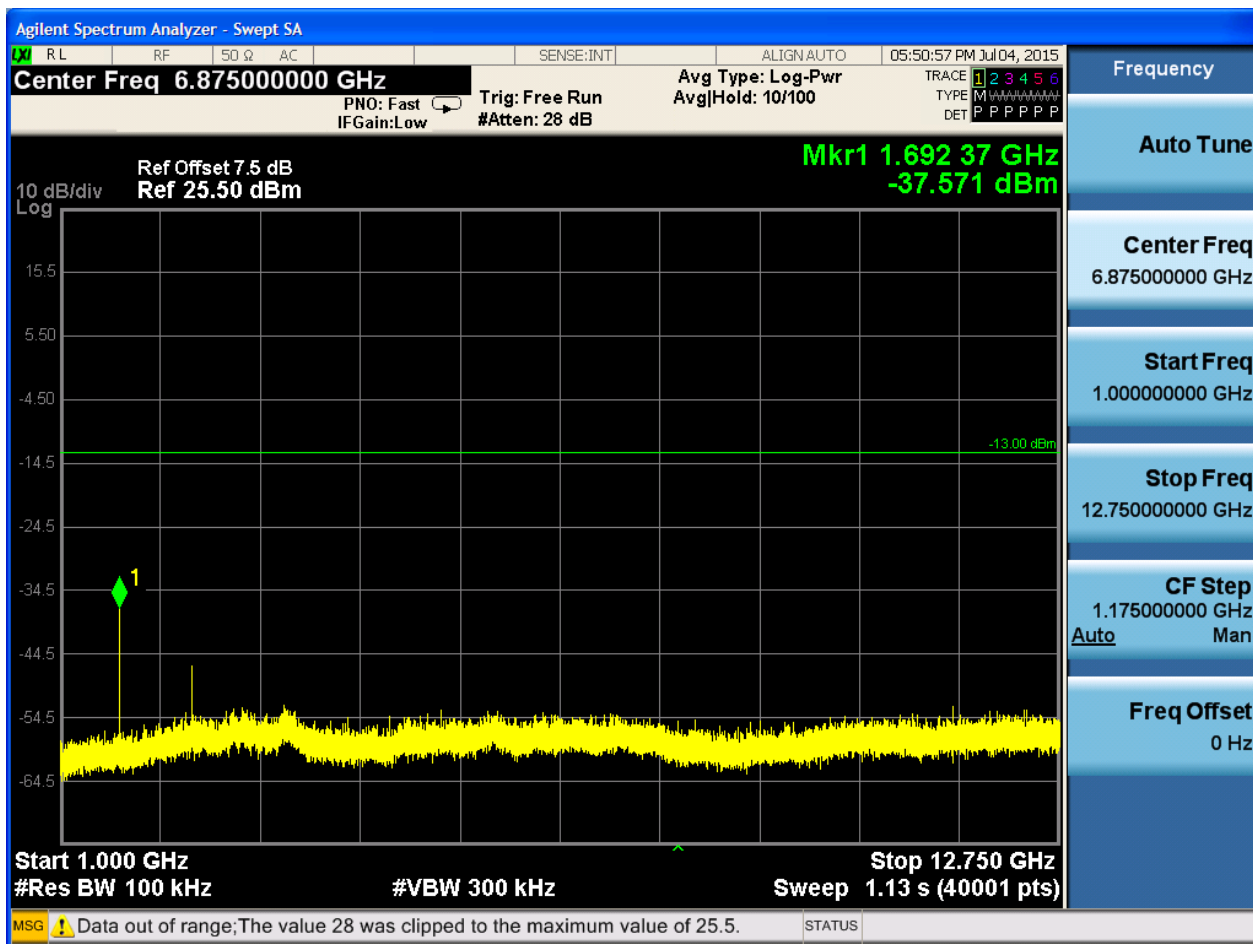
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





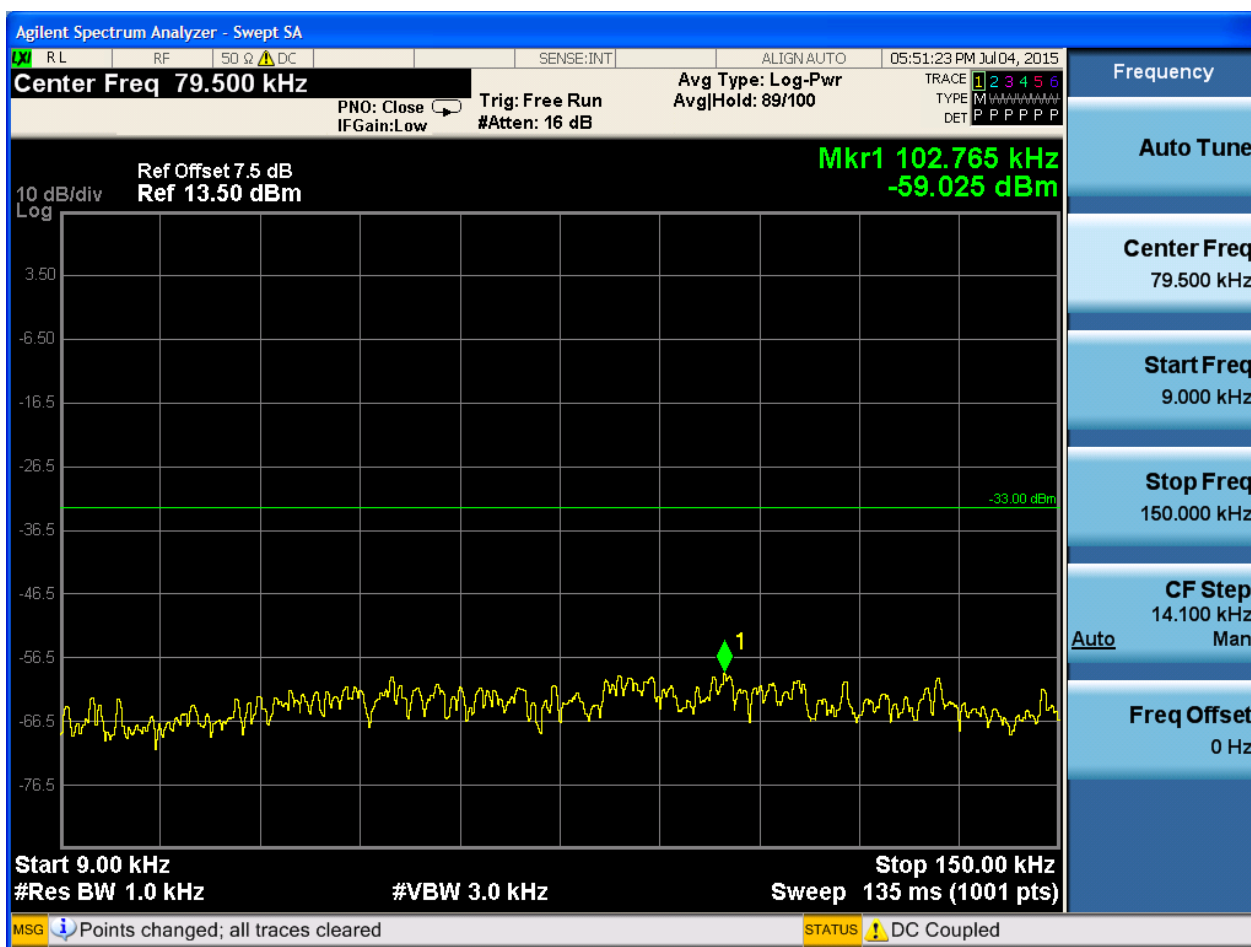




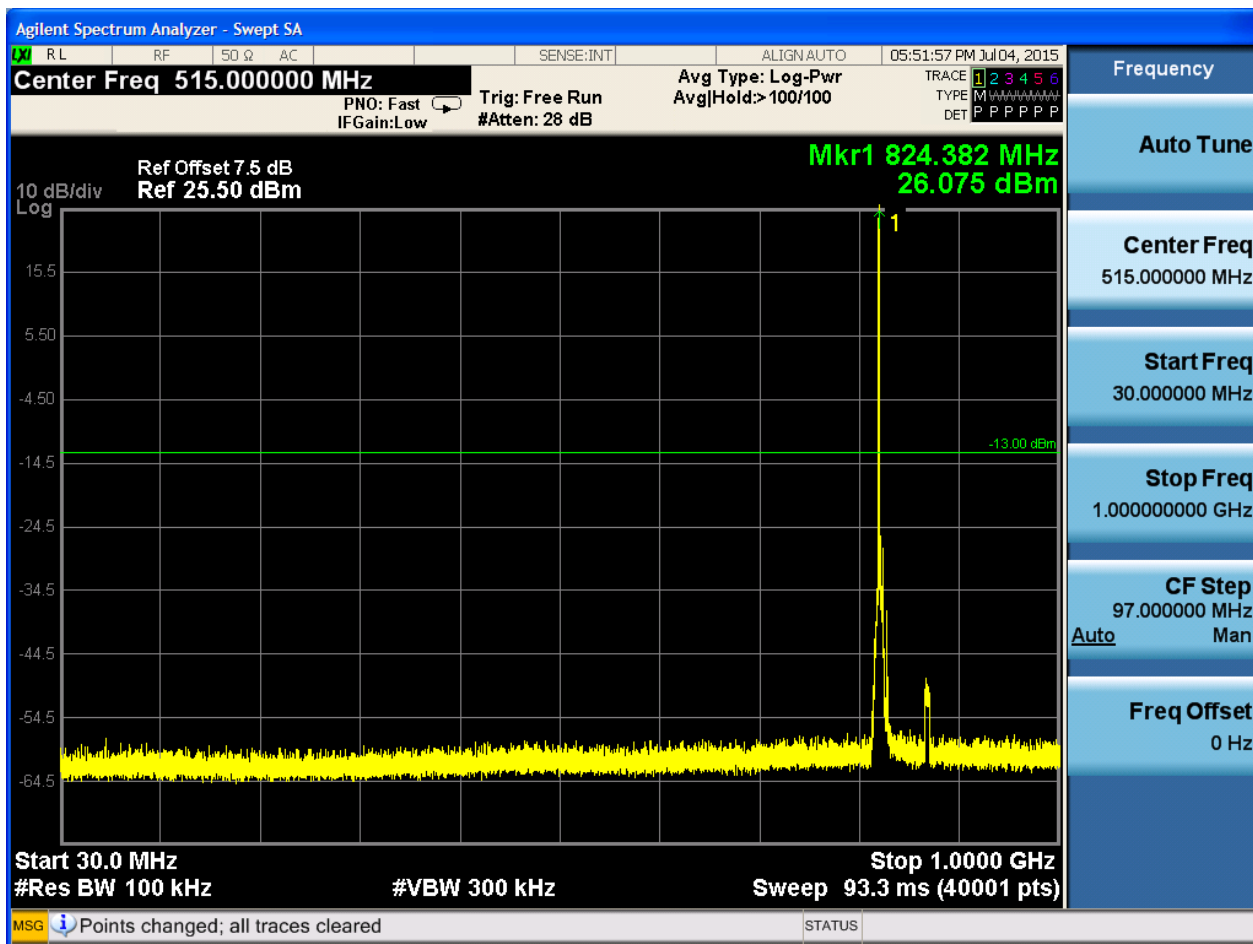
6.1.1.1.3 Test Bandwidth = 5

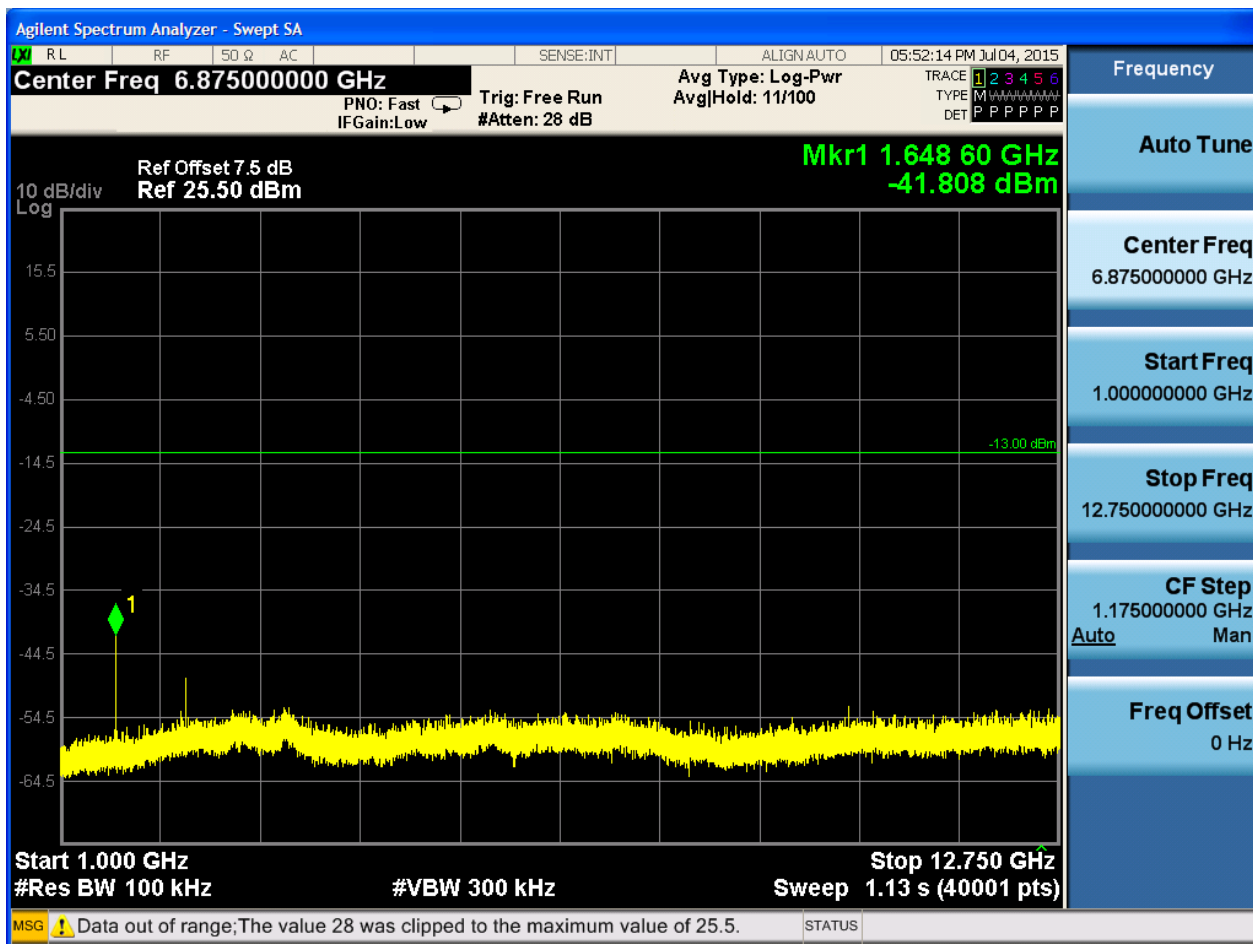
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





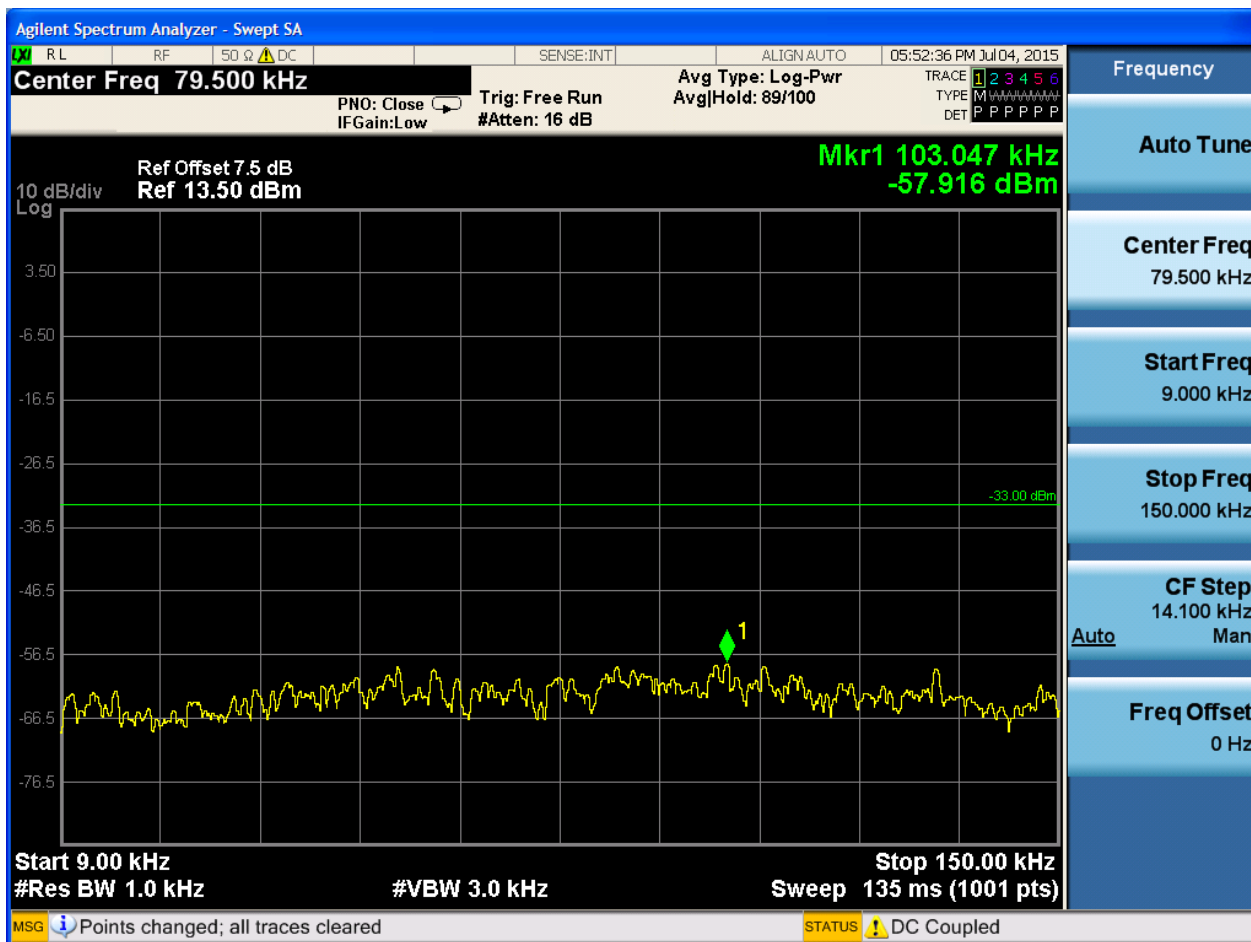


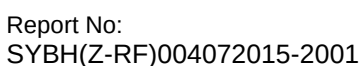


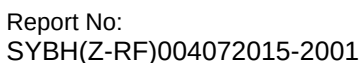


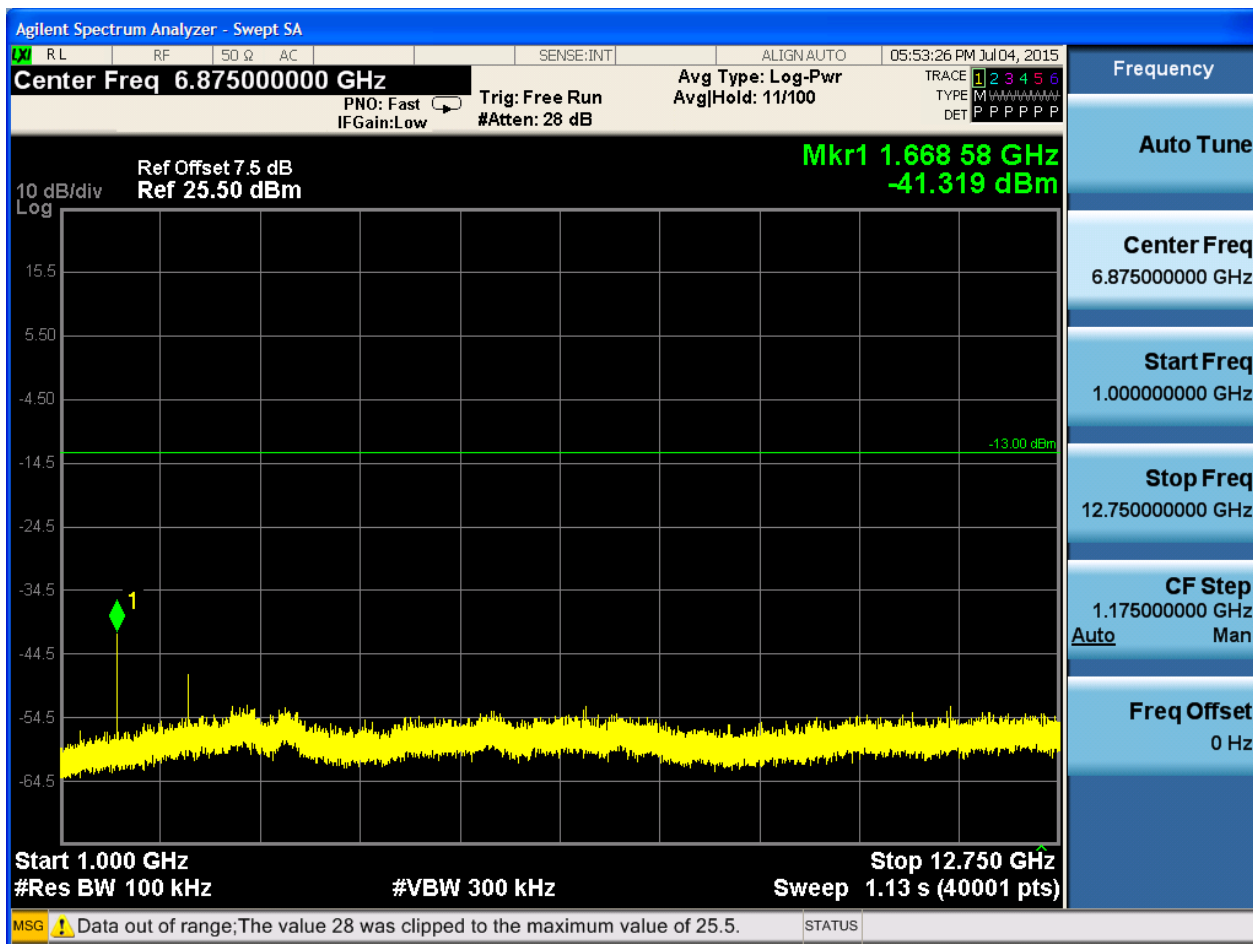
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





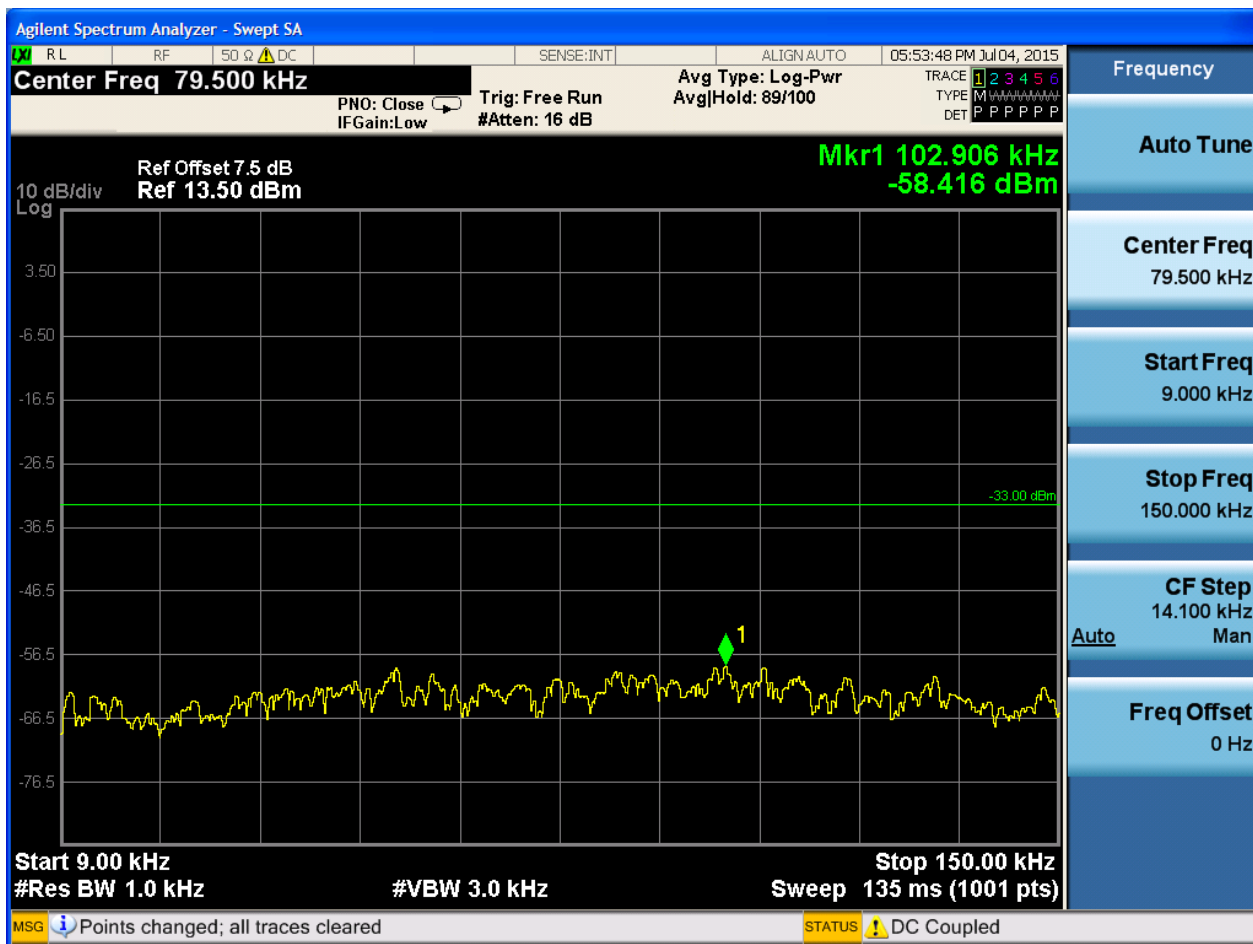


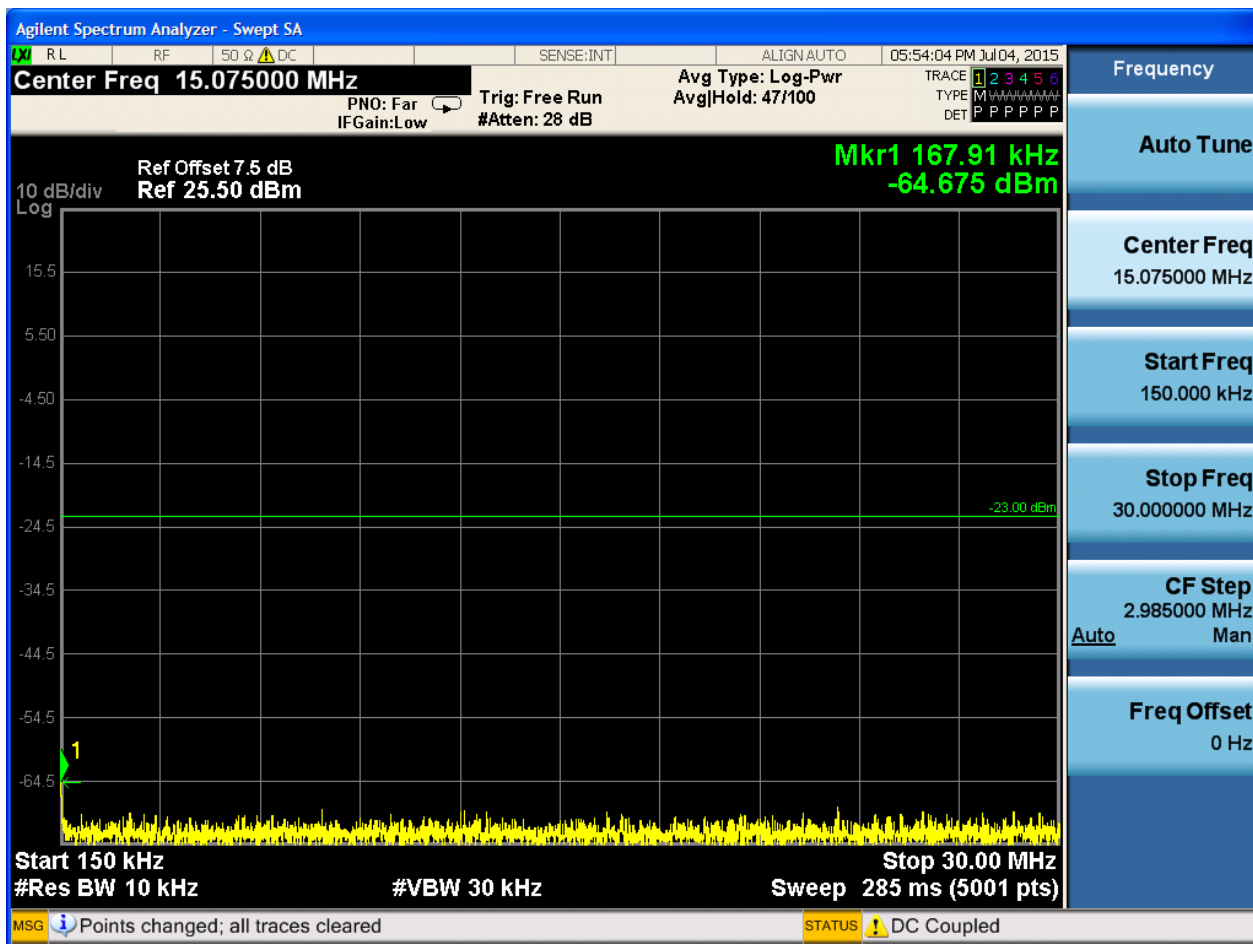


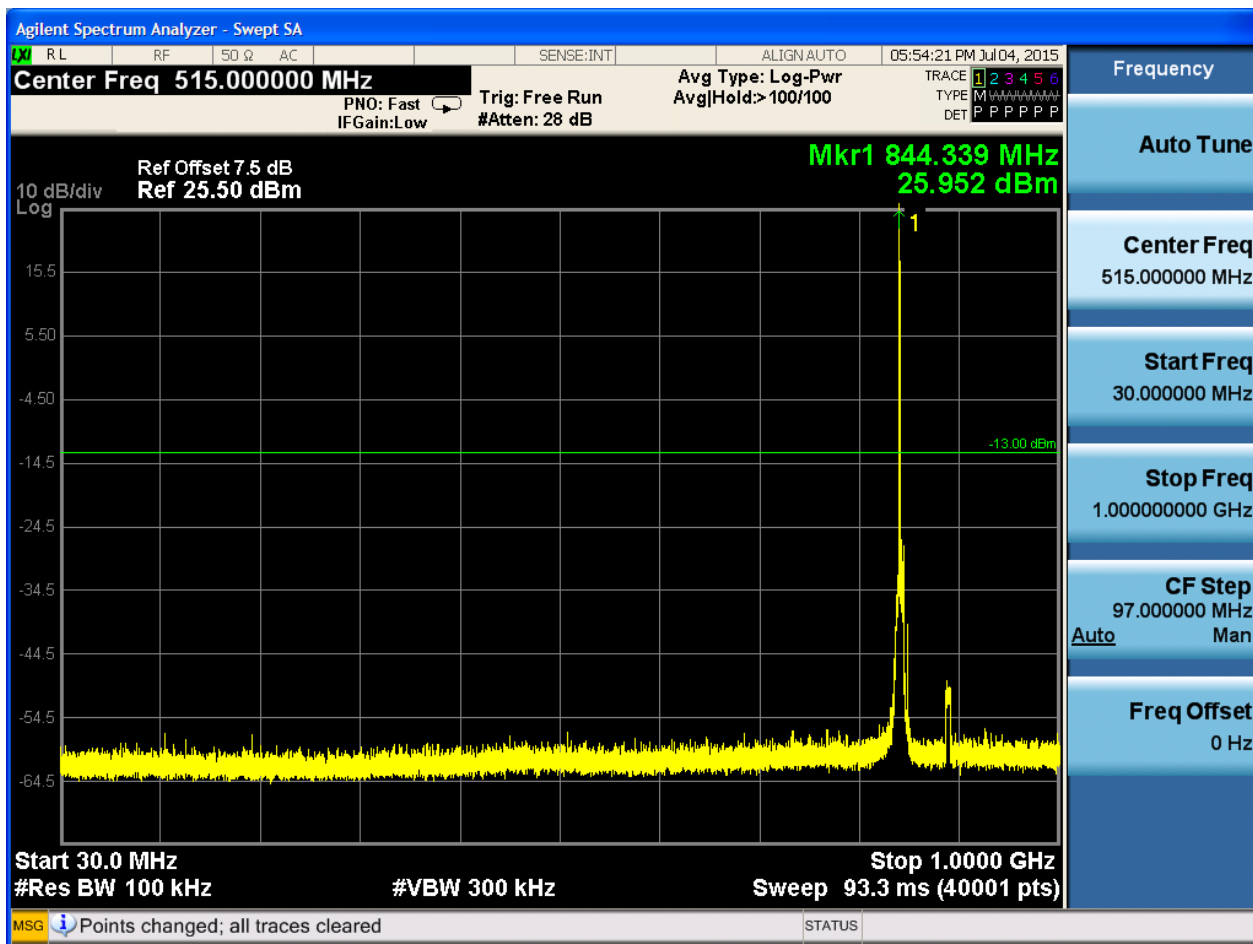


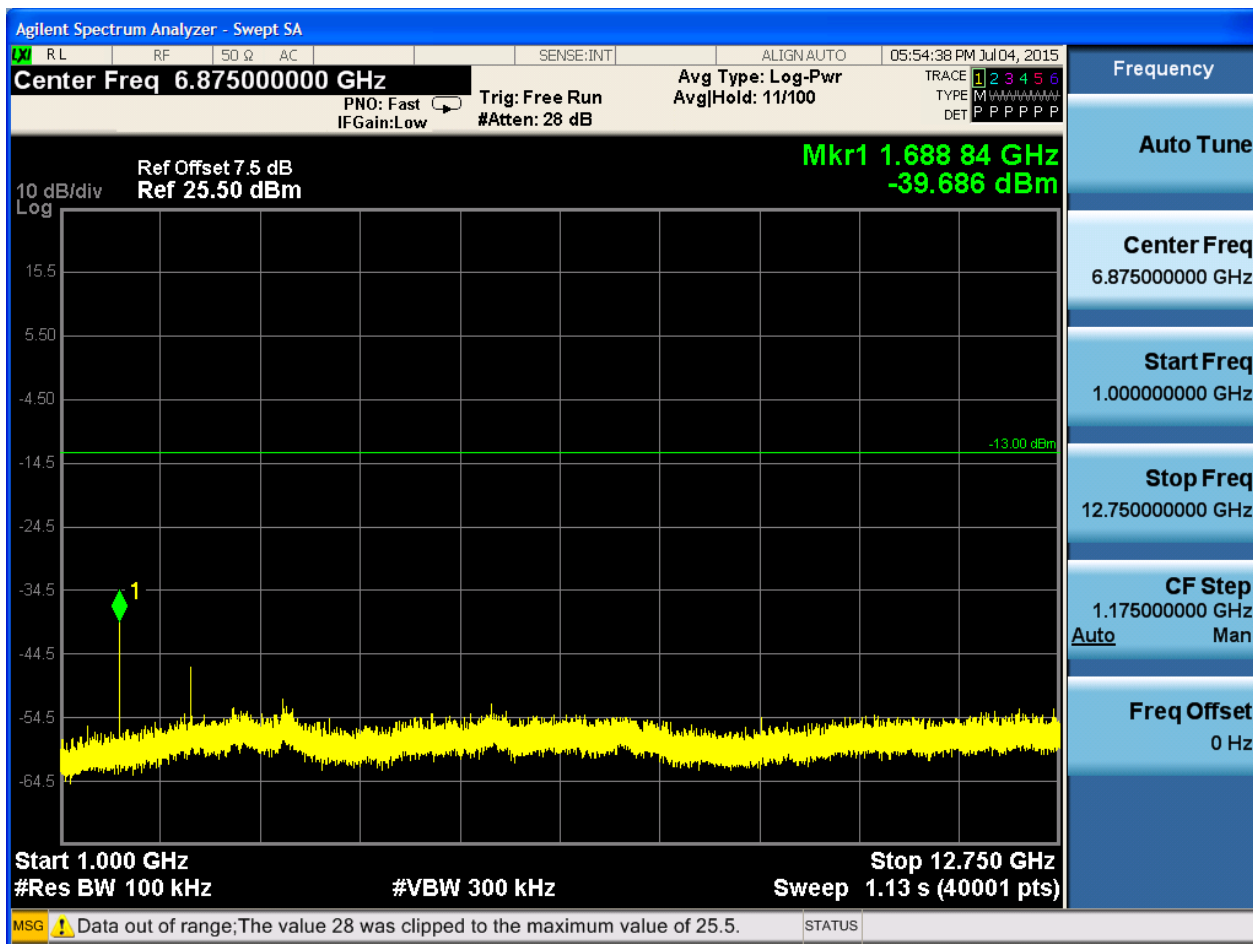
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





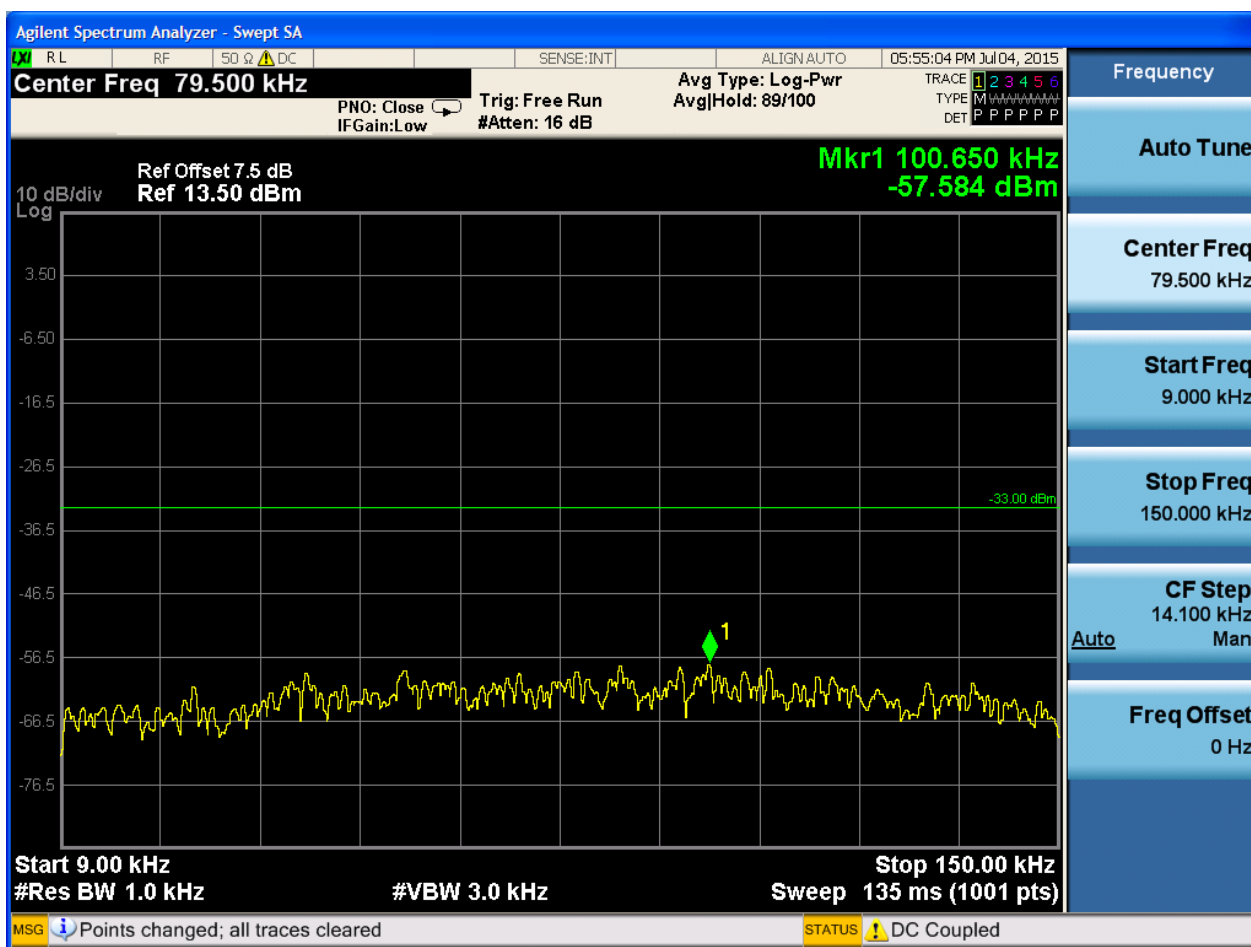


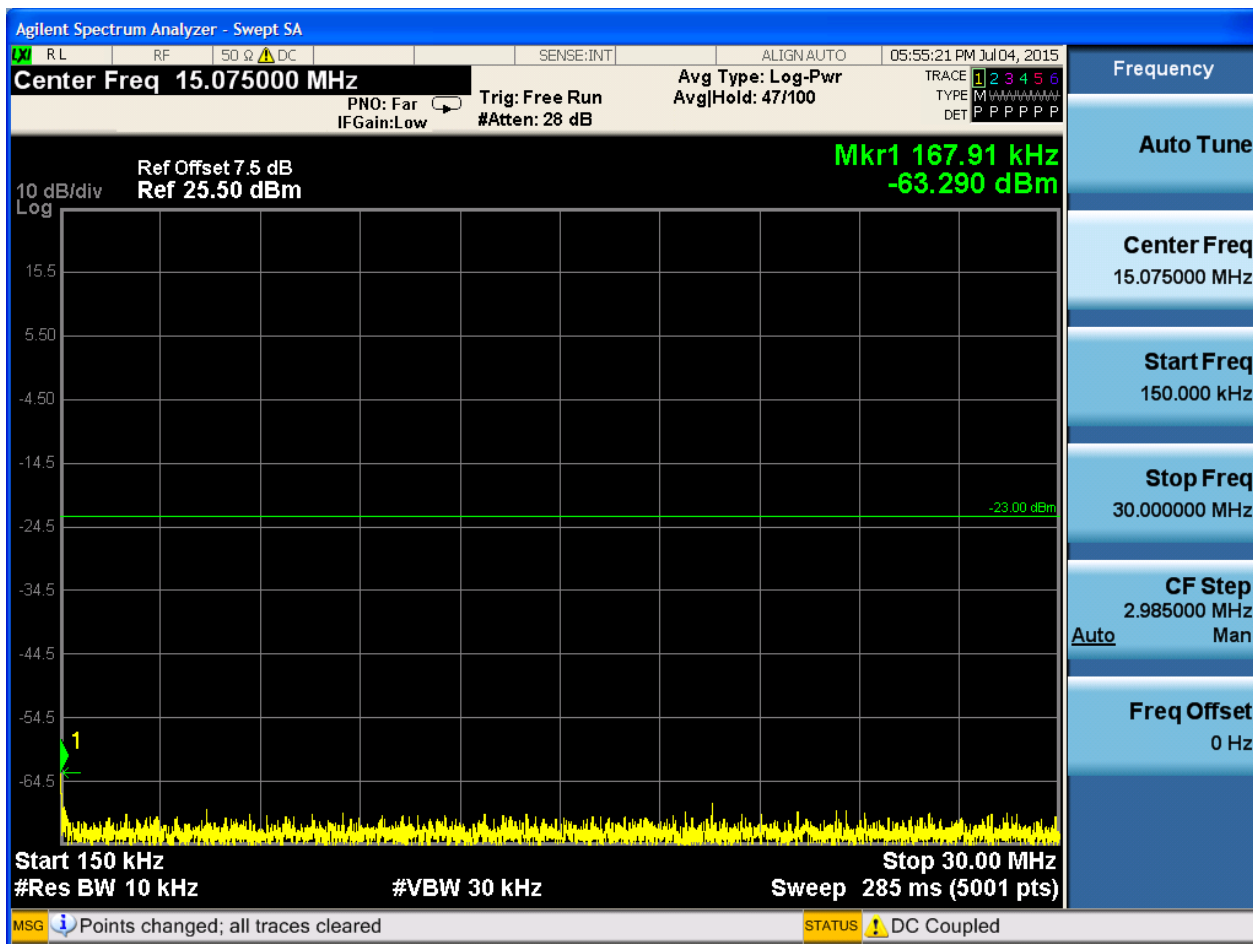


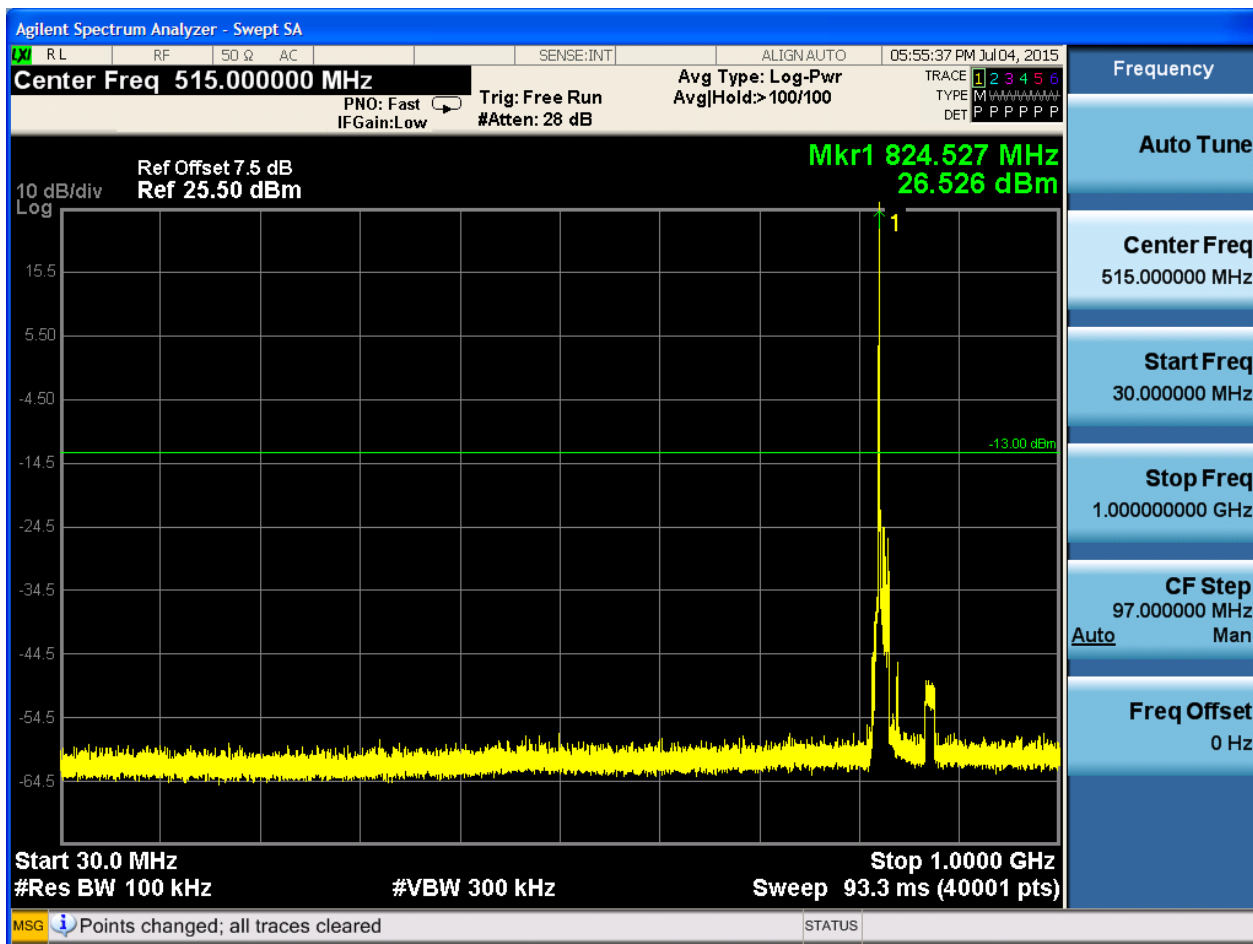
6.1.1.1.4 Test Bandwidth = 10

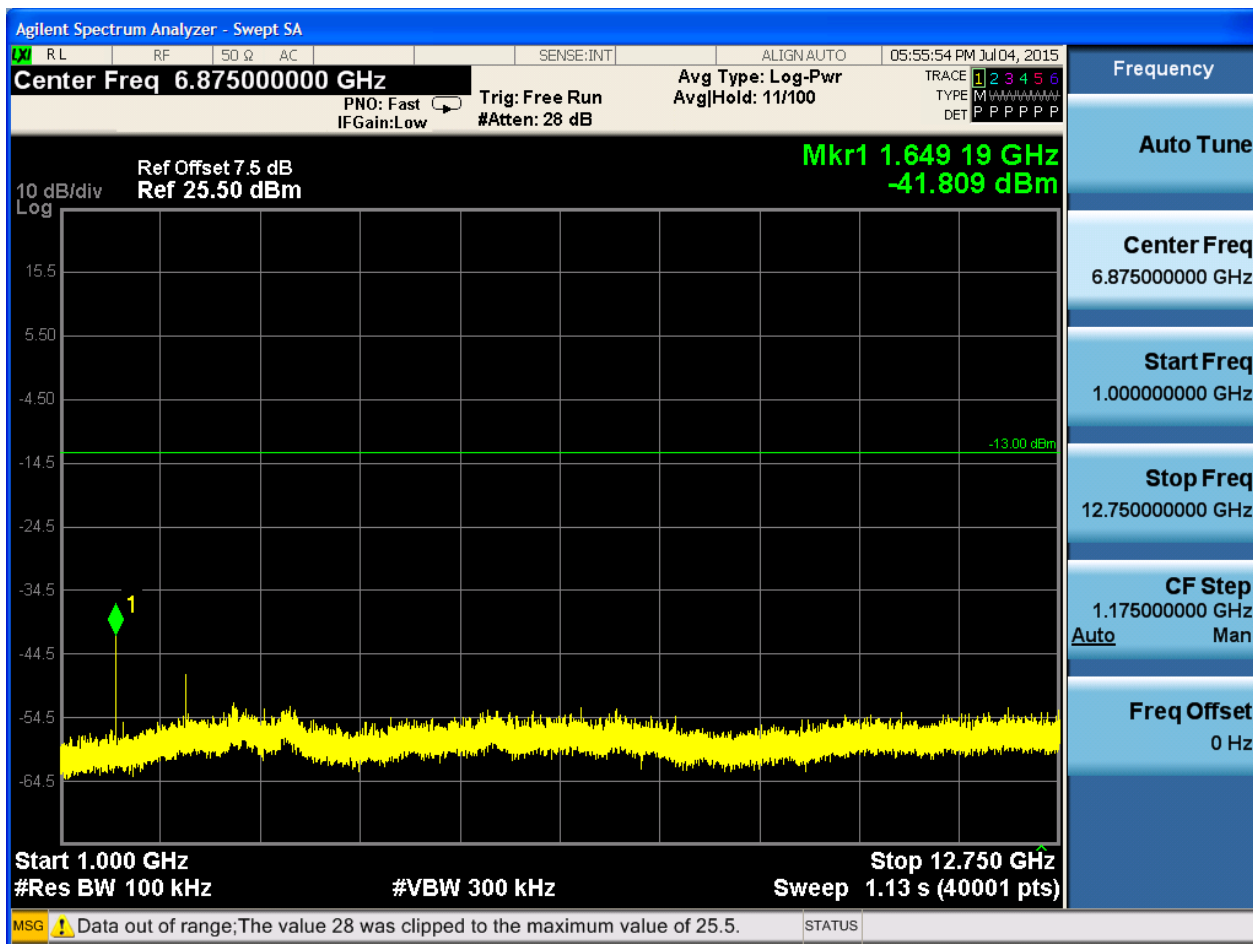
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





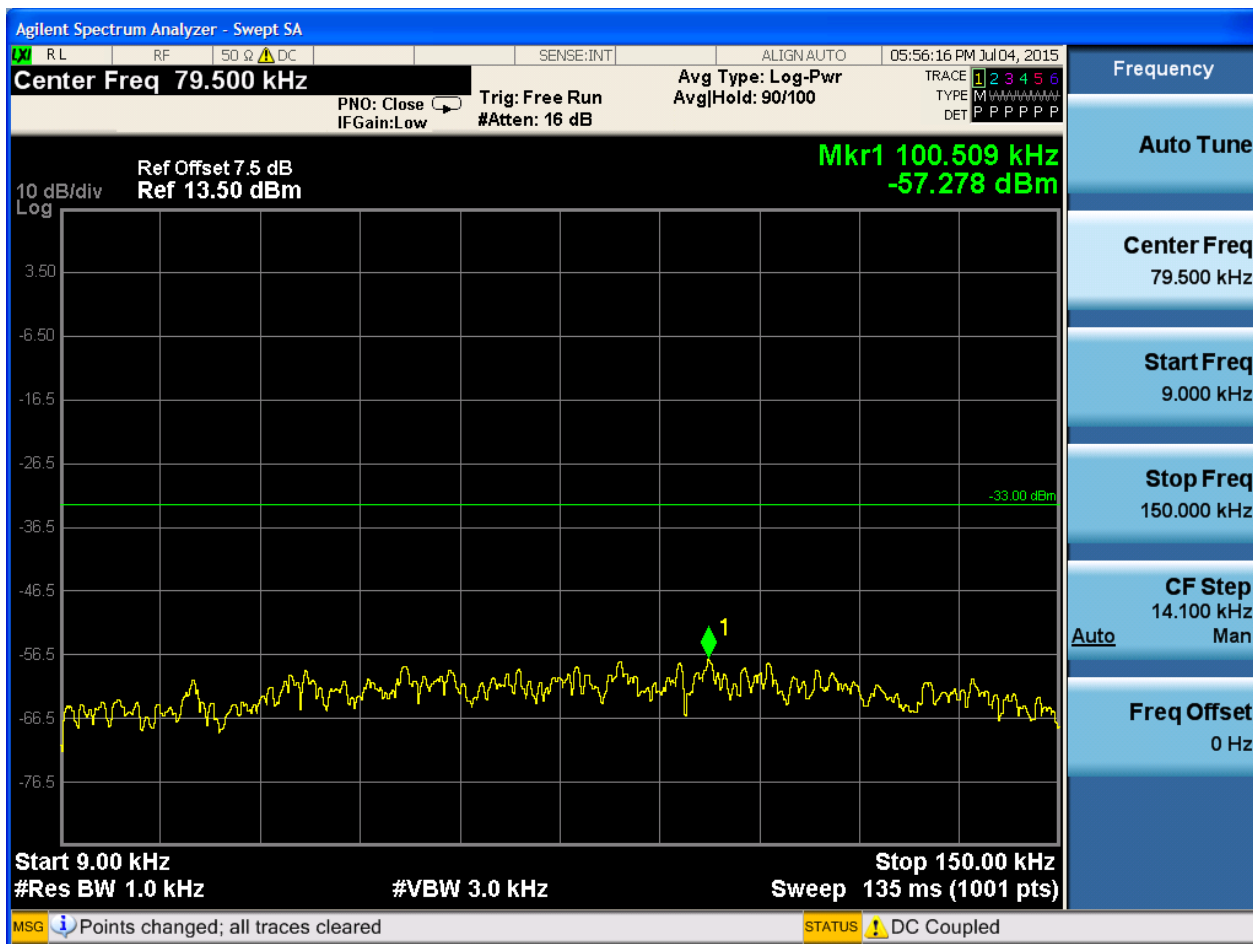


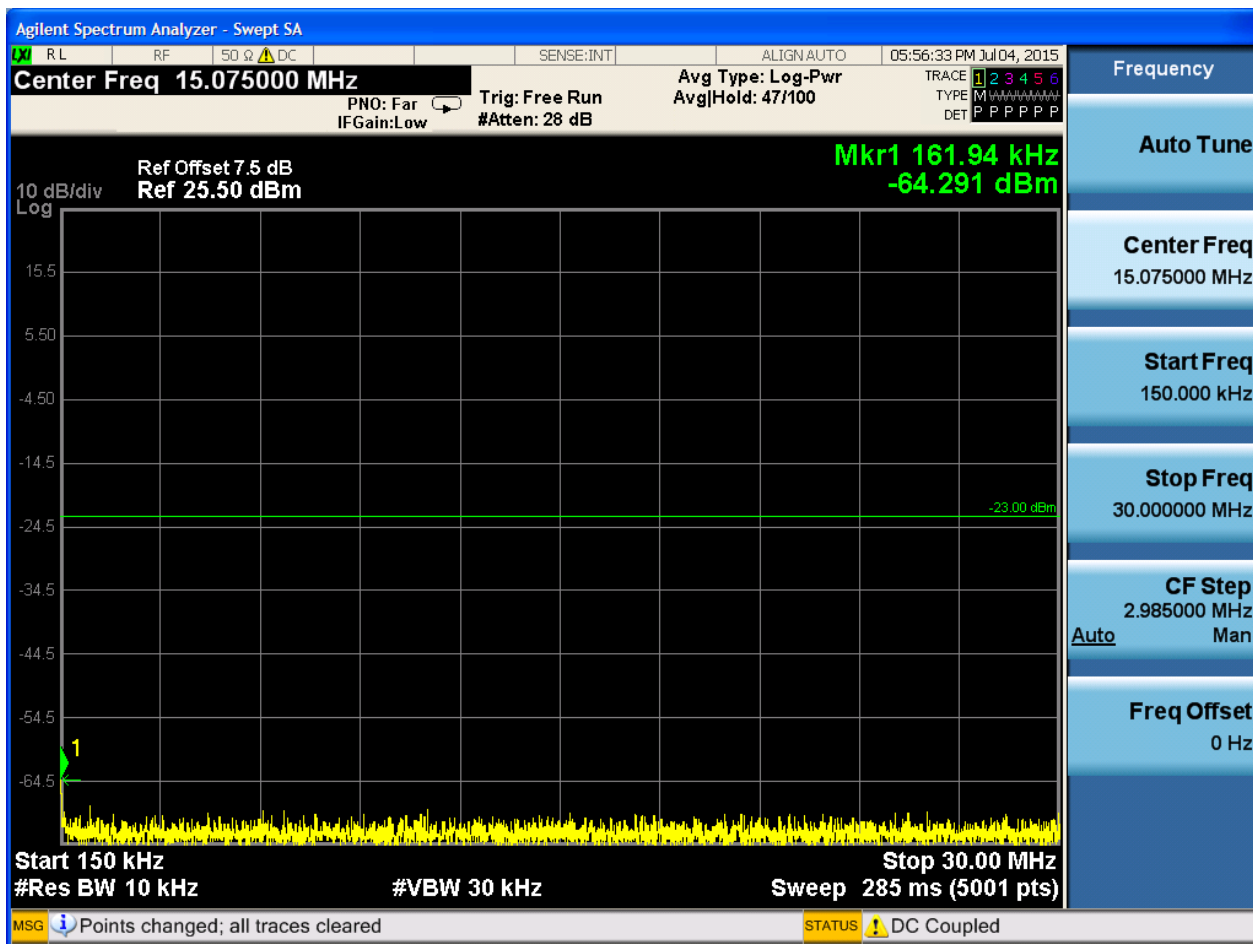


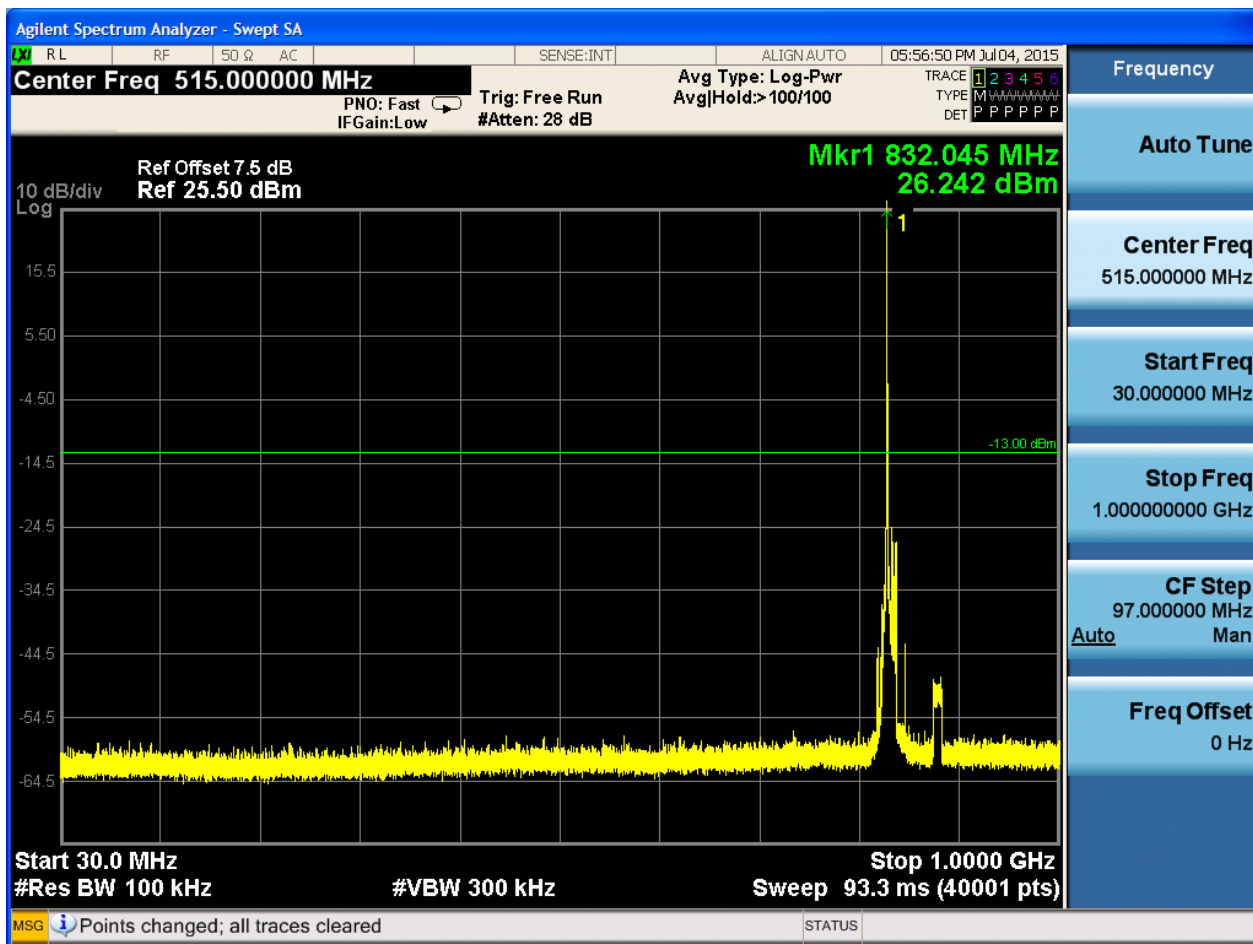


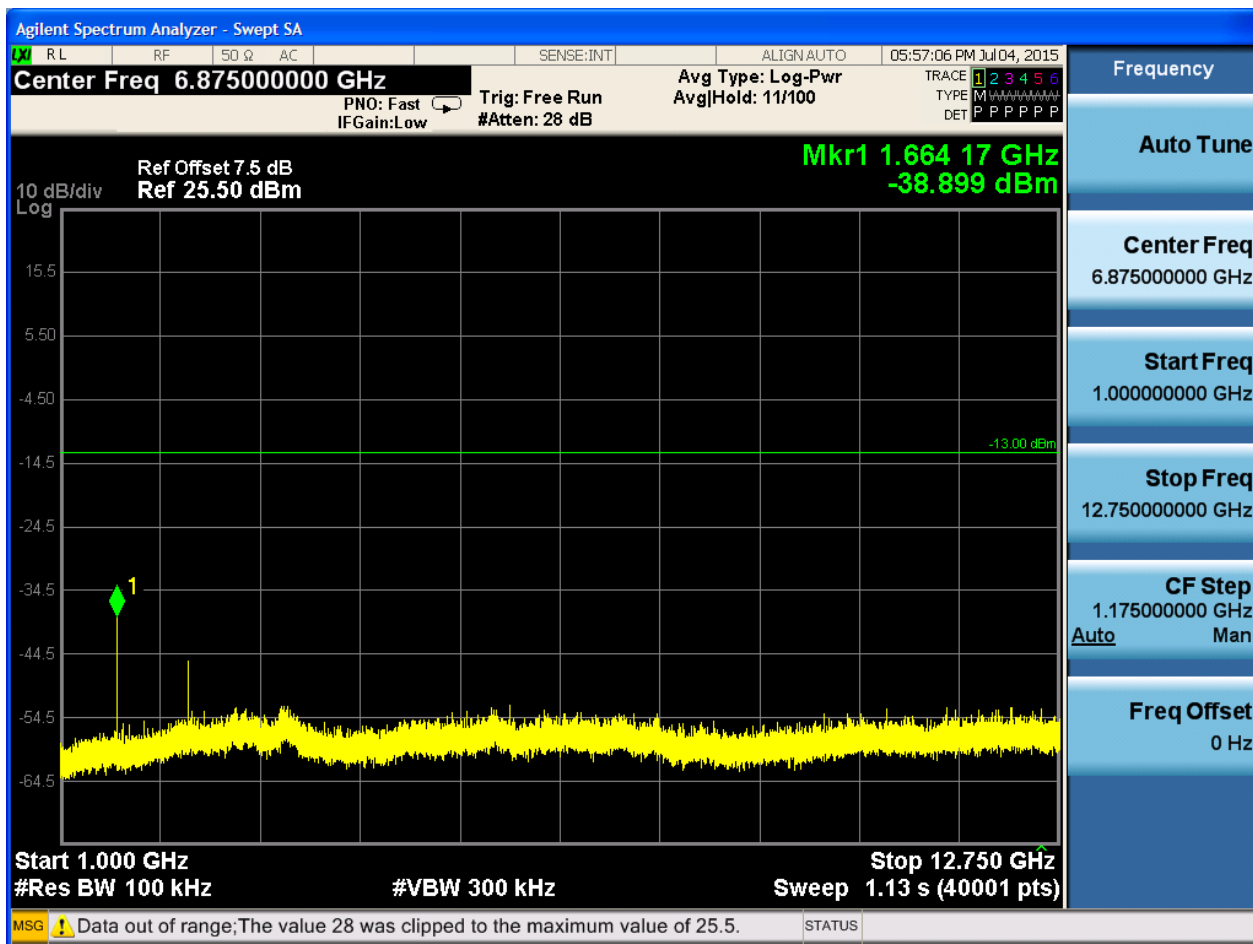
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





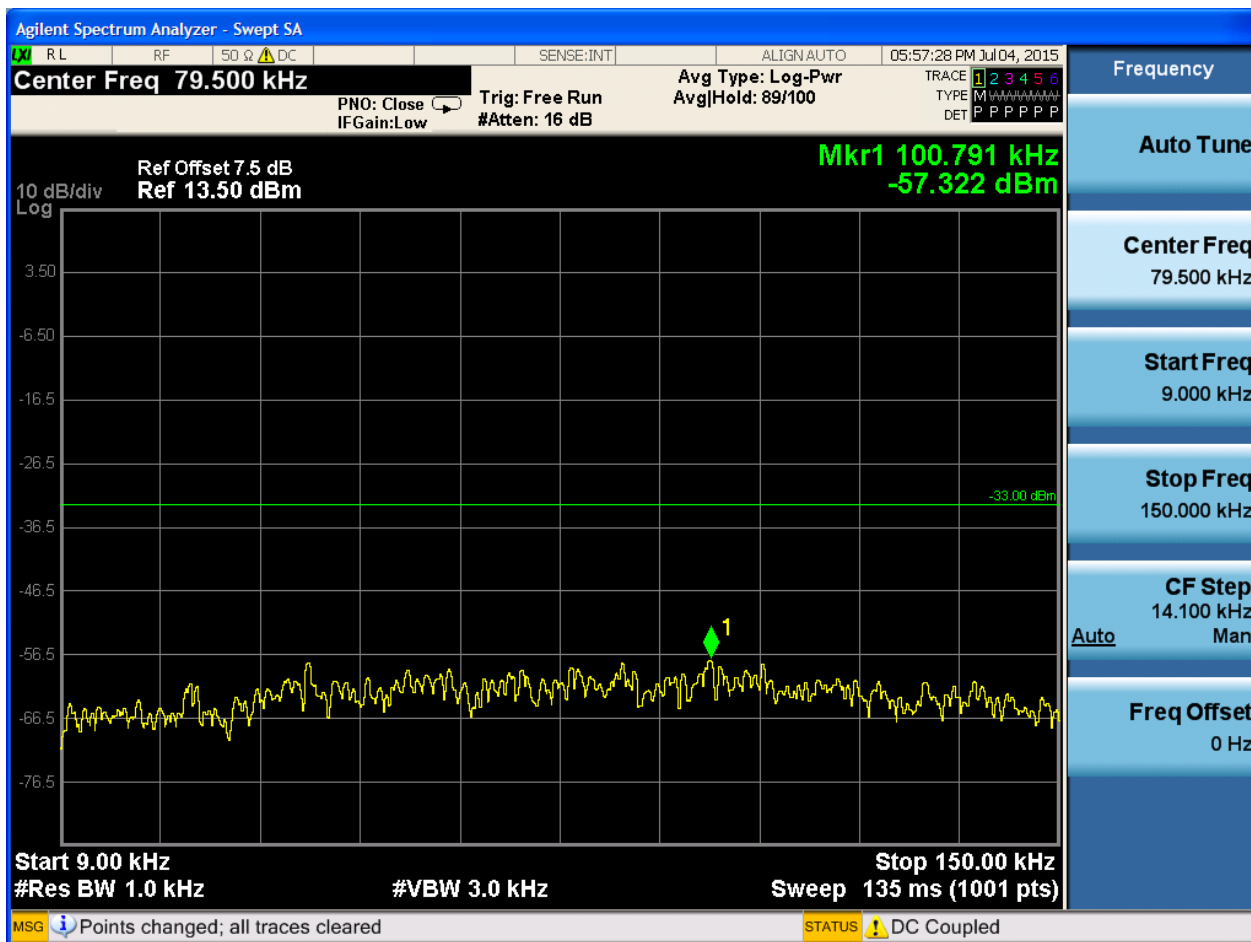




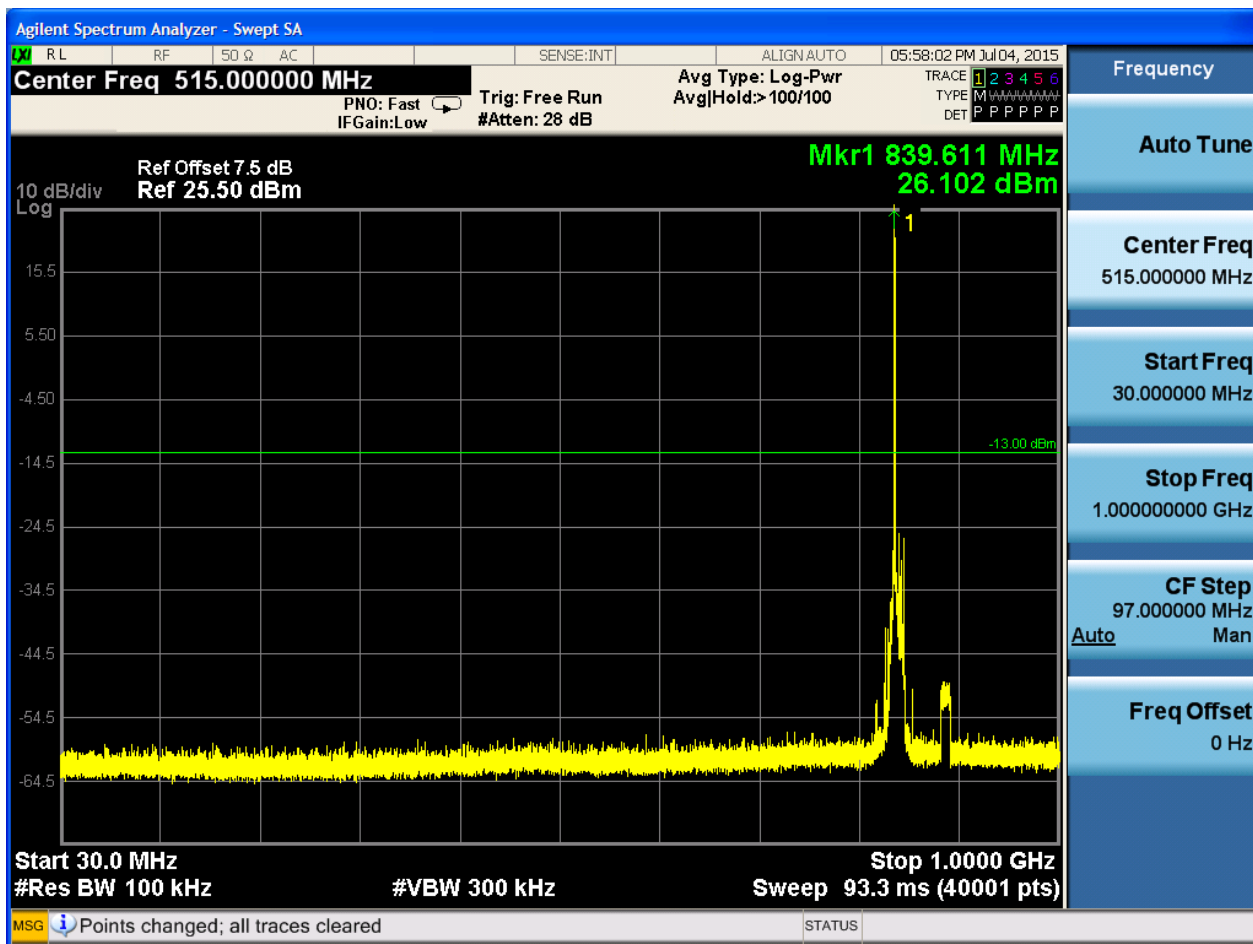


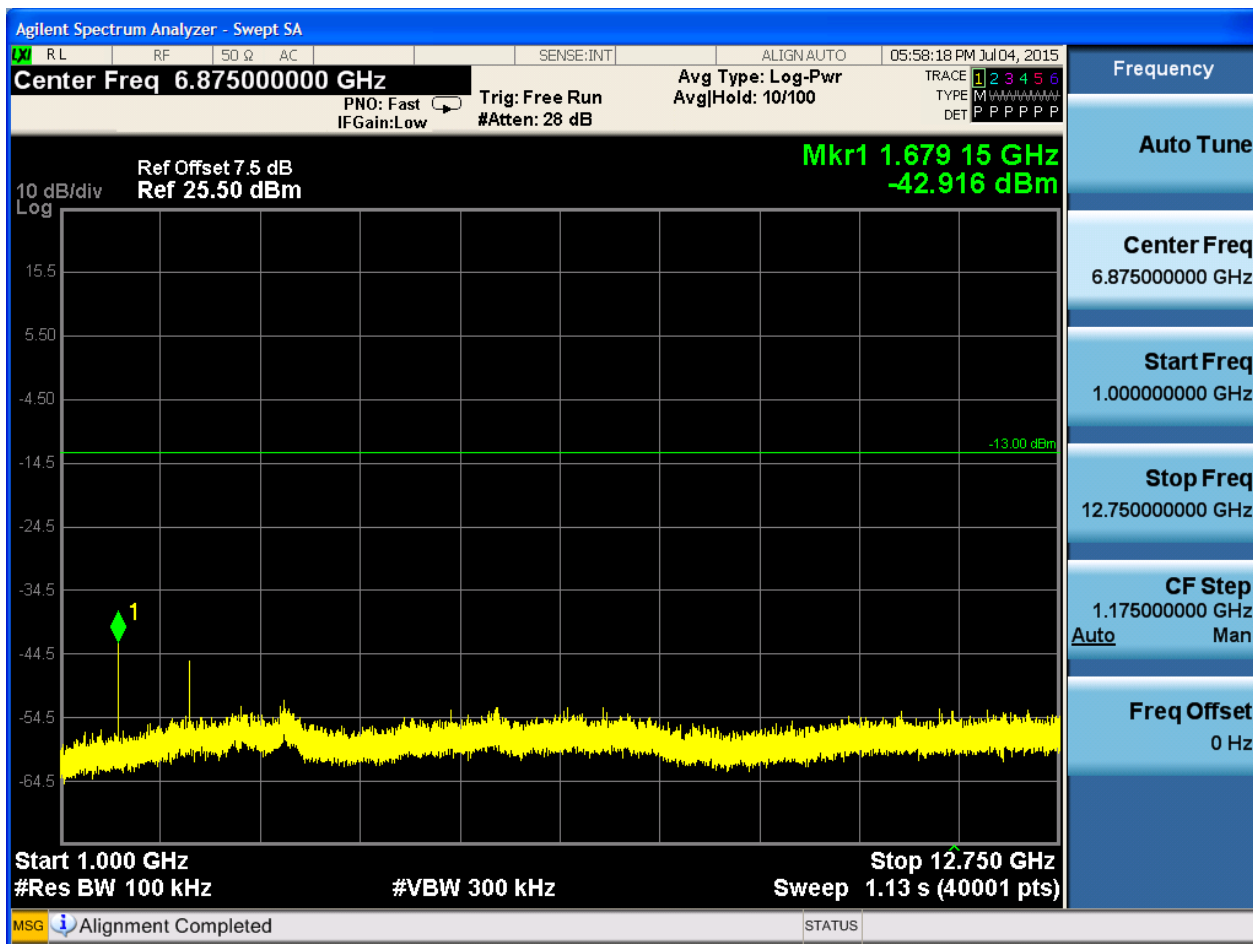
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







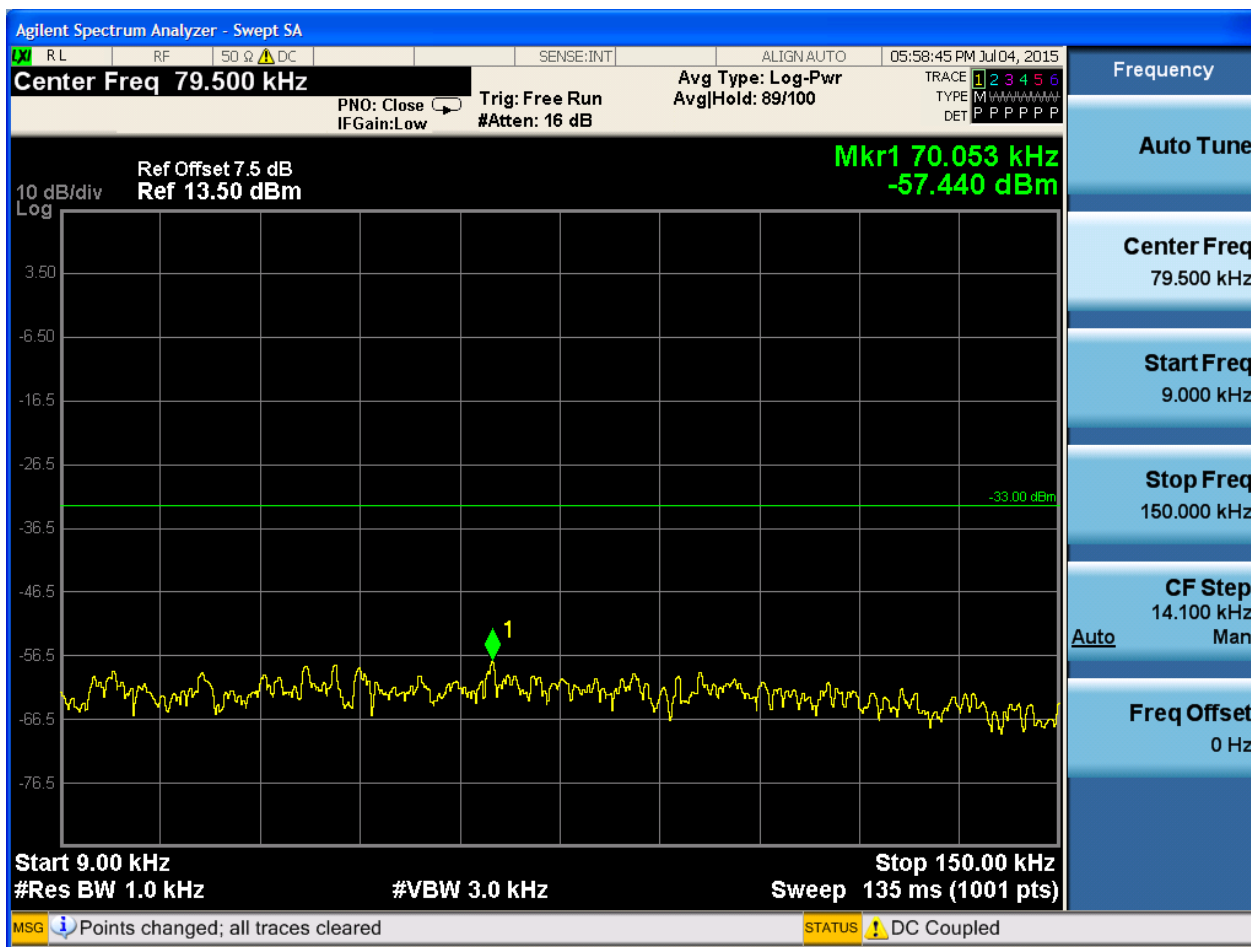


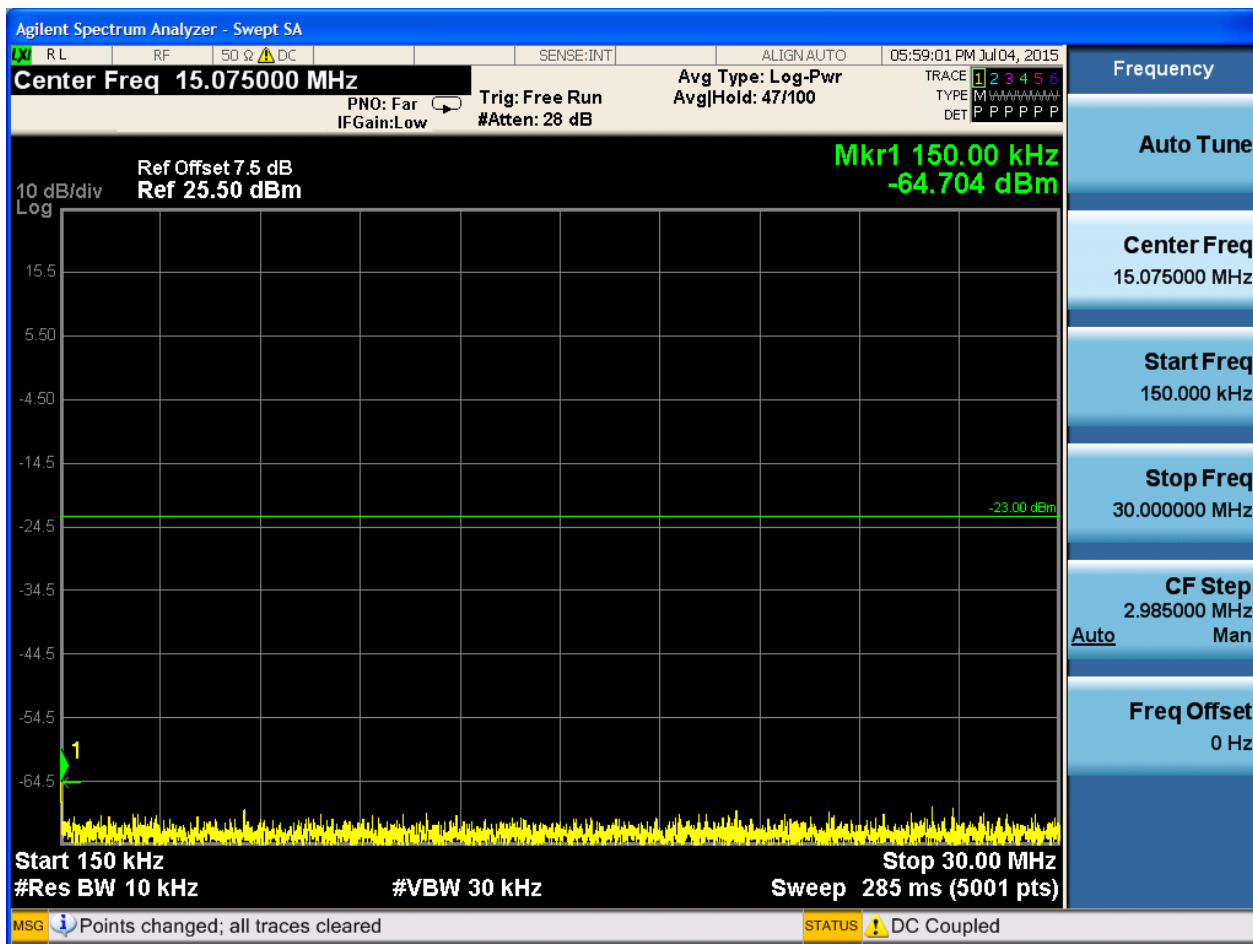
6.1.1.2 Test Mode = LTE/TM2

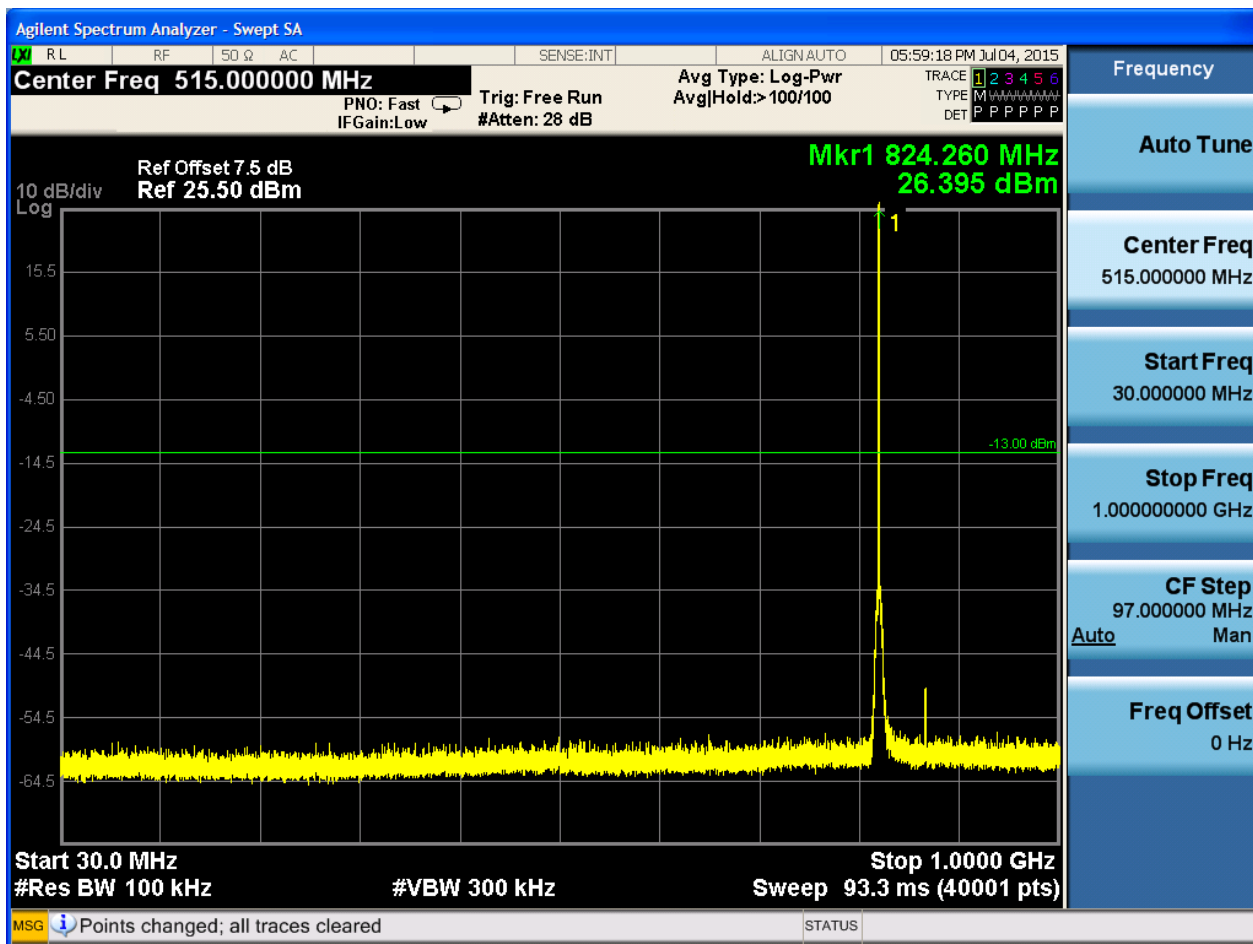
6.1.1.2.1 Test Bandwidth = 1.4

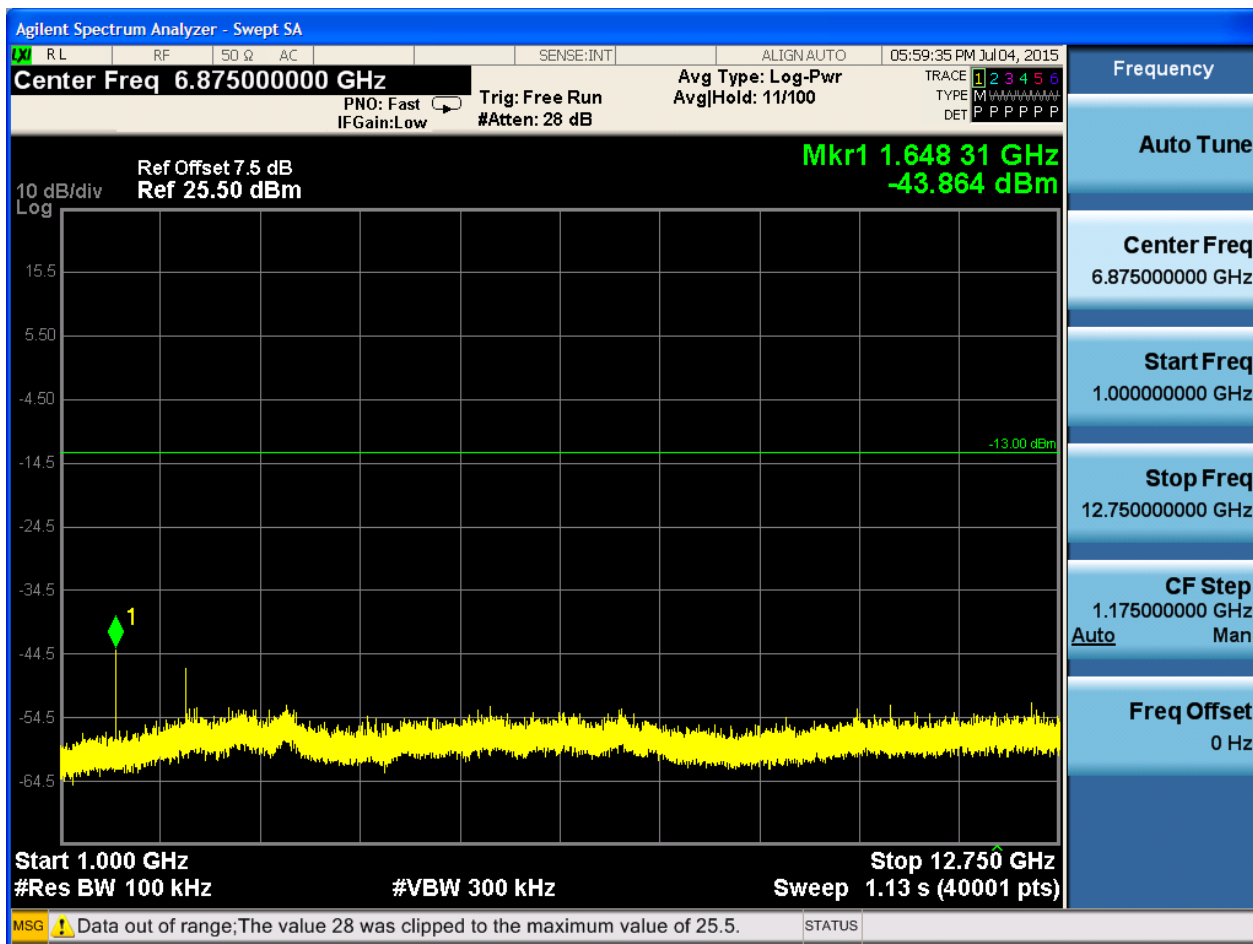
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0





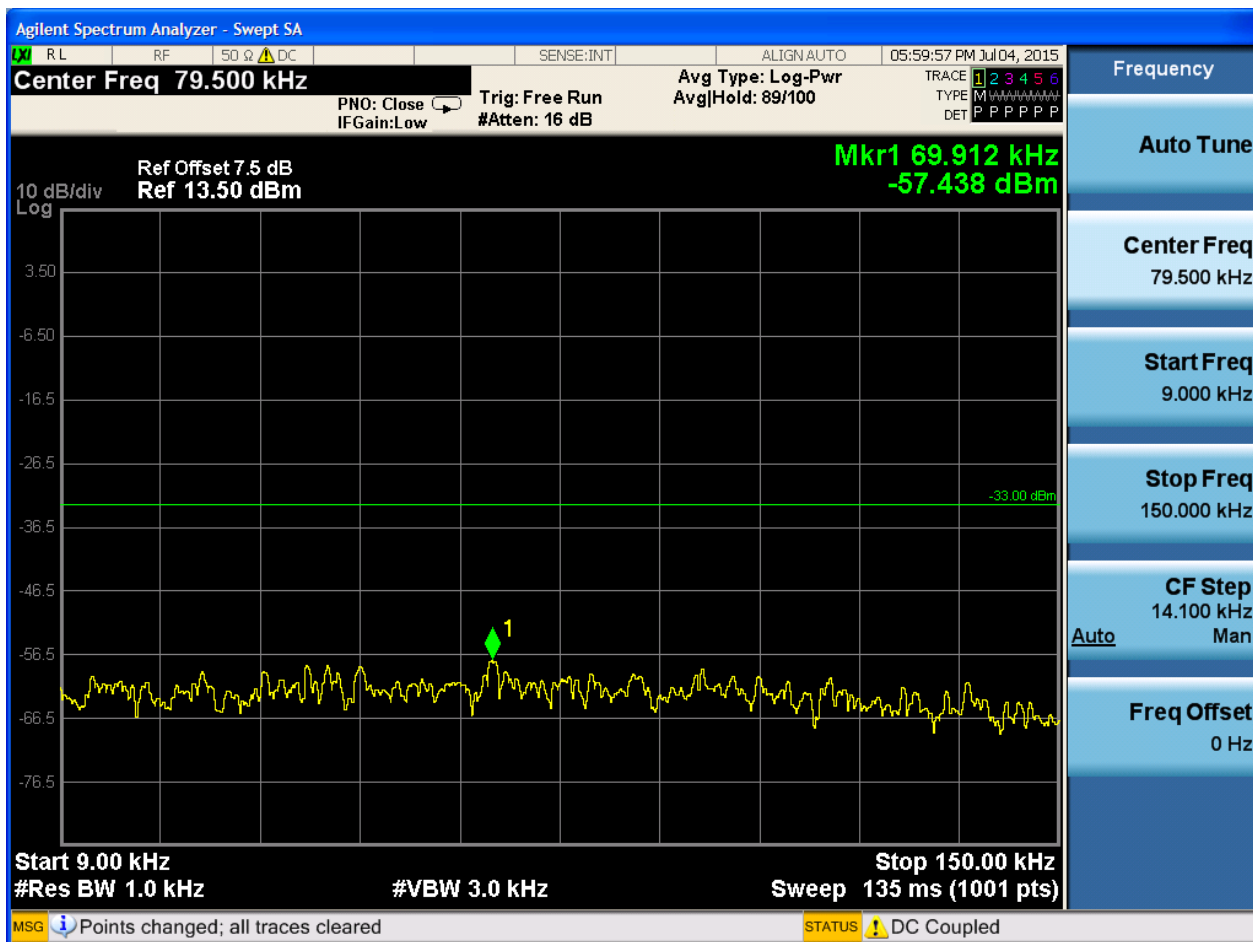


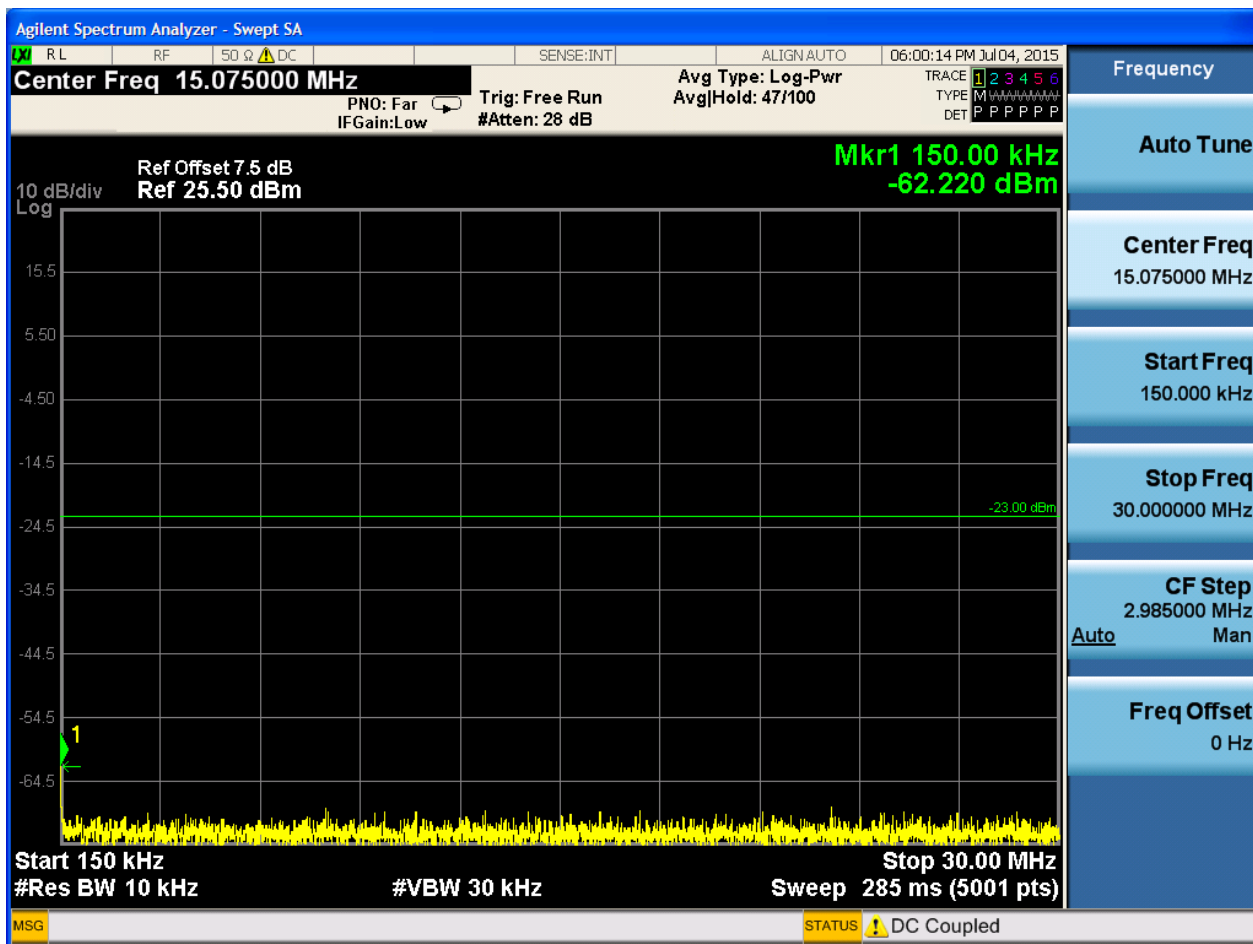


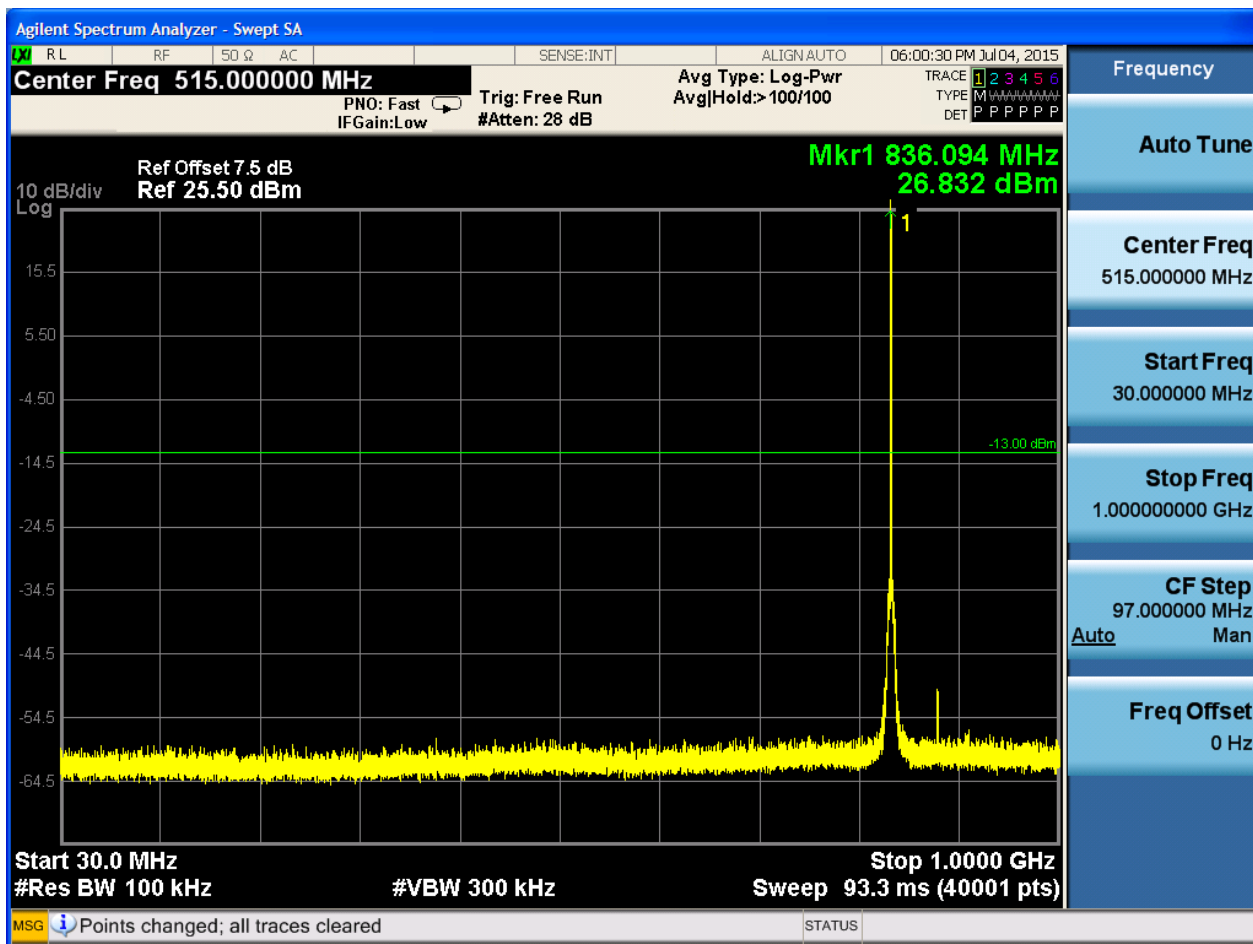


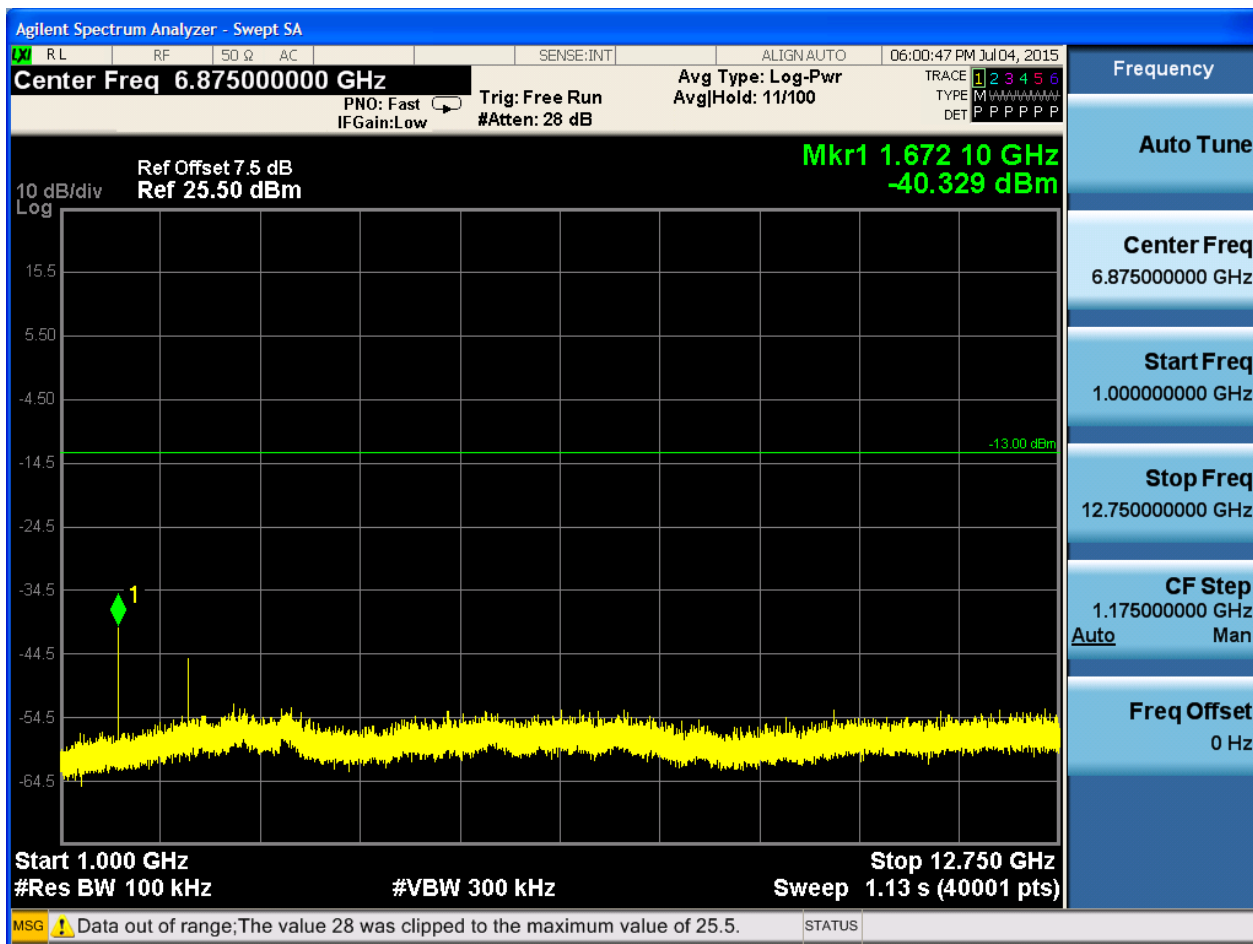
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





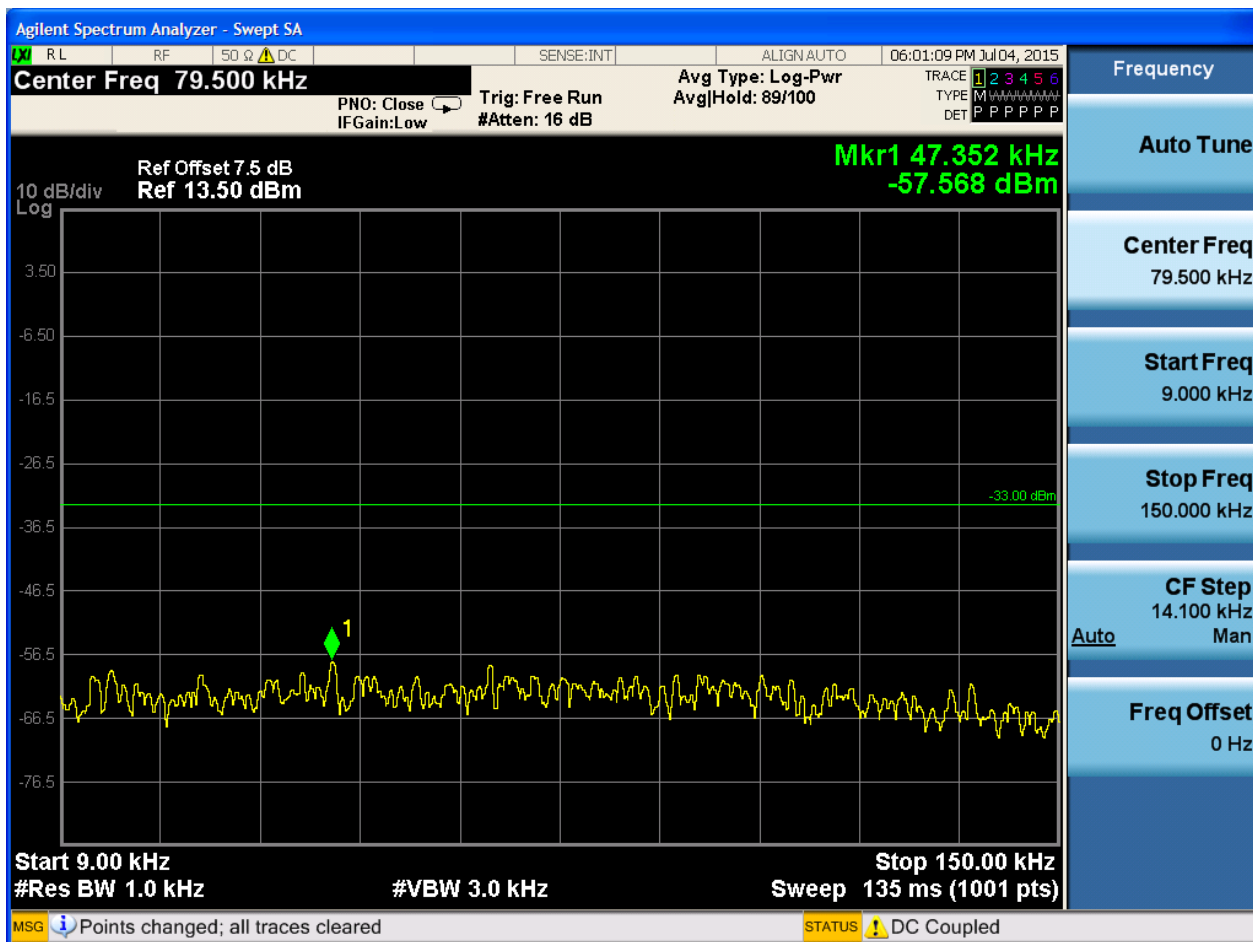


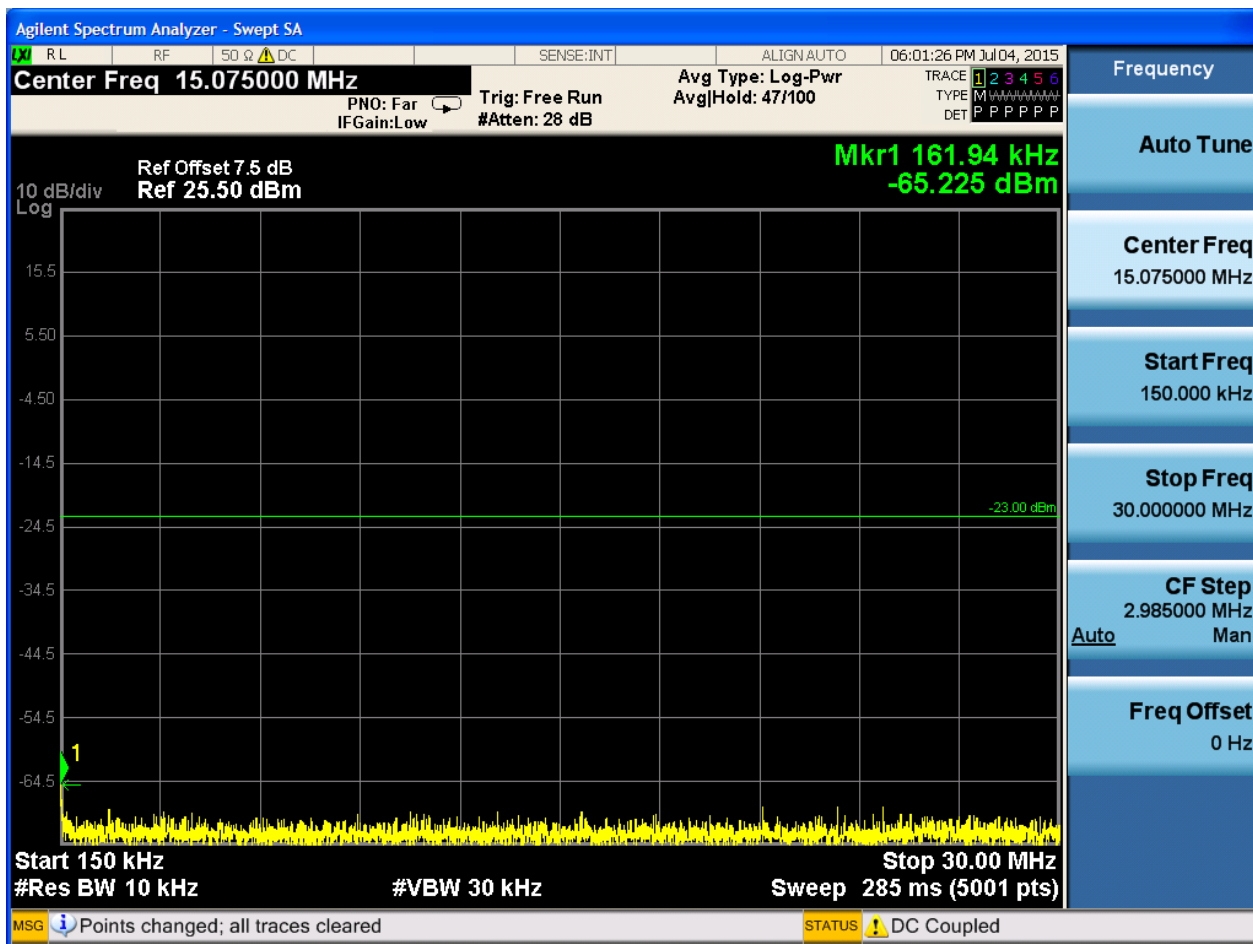


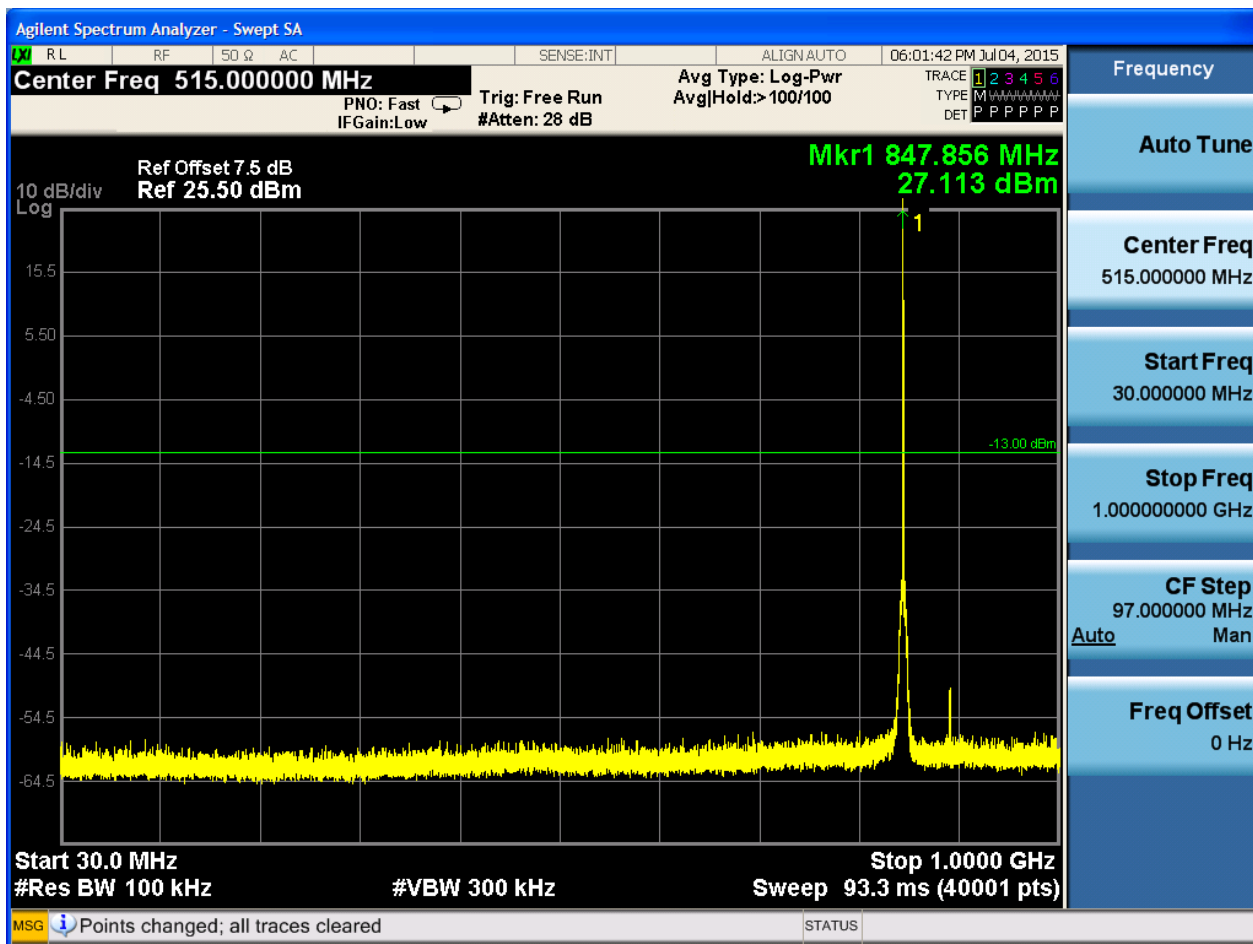


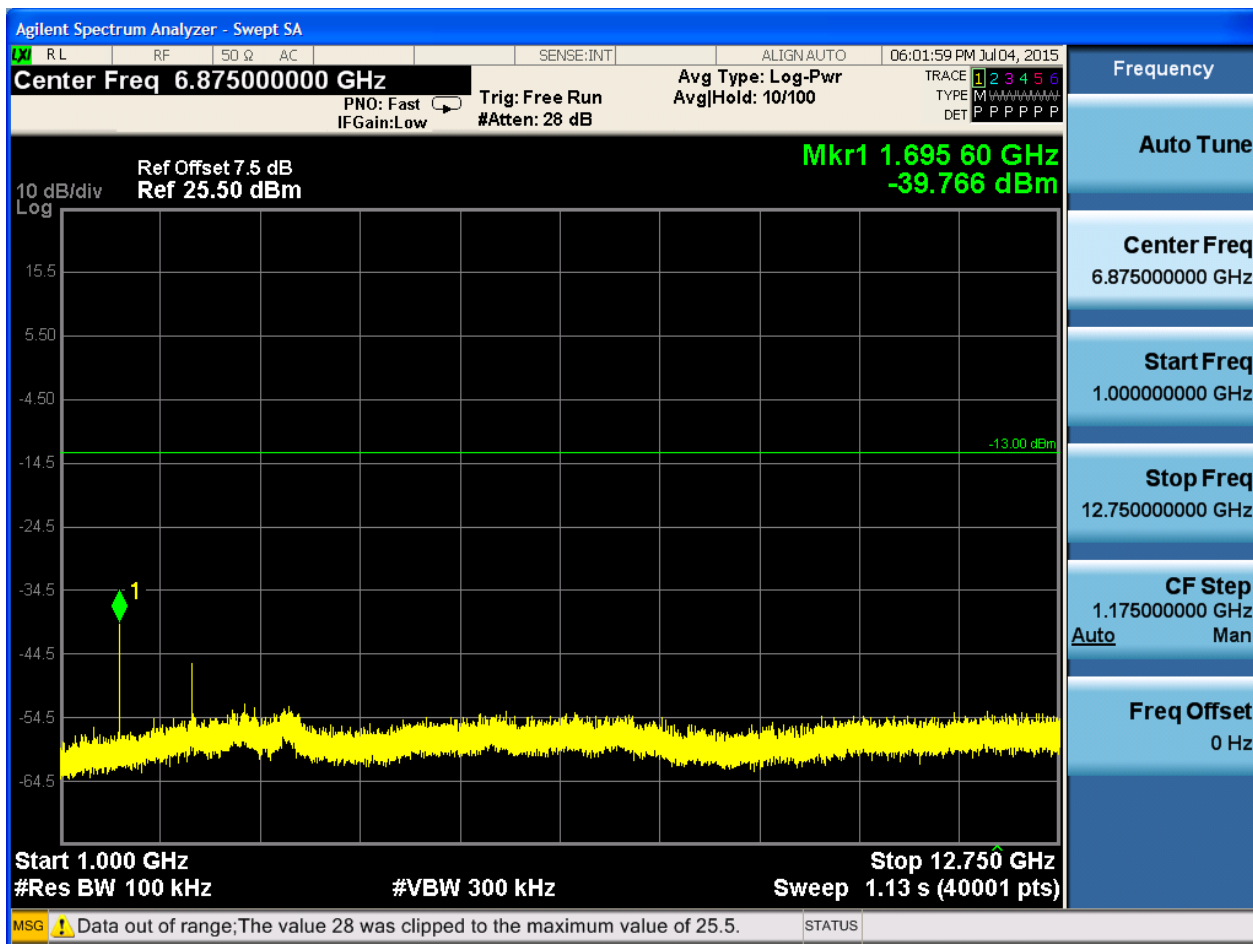
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





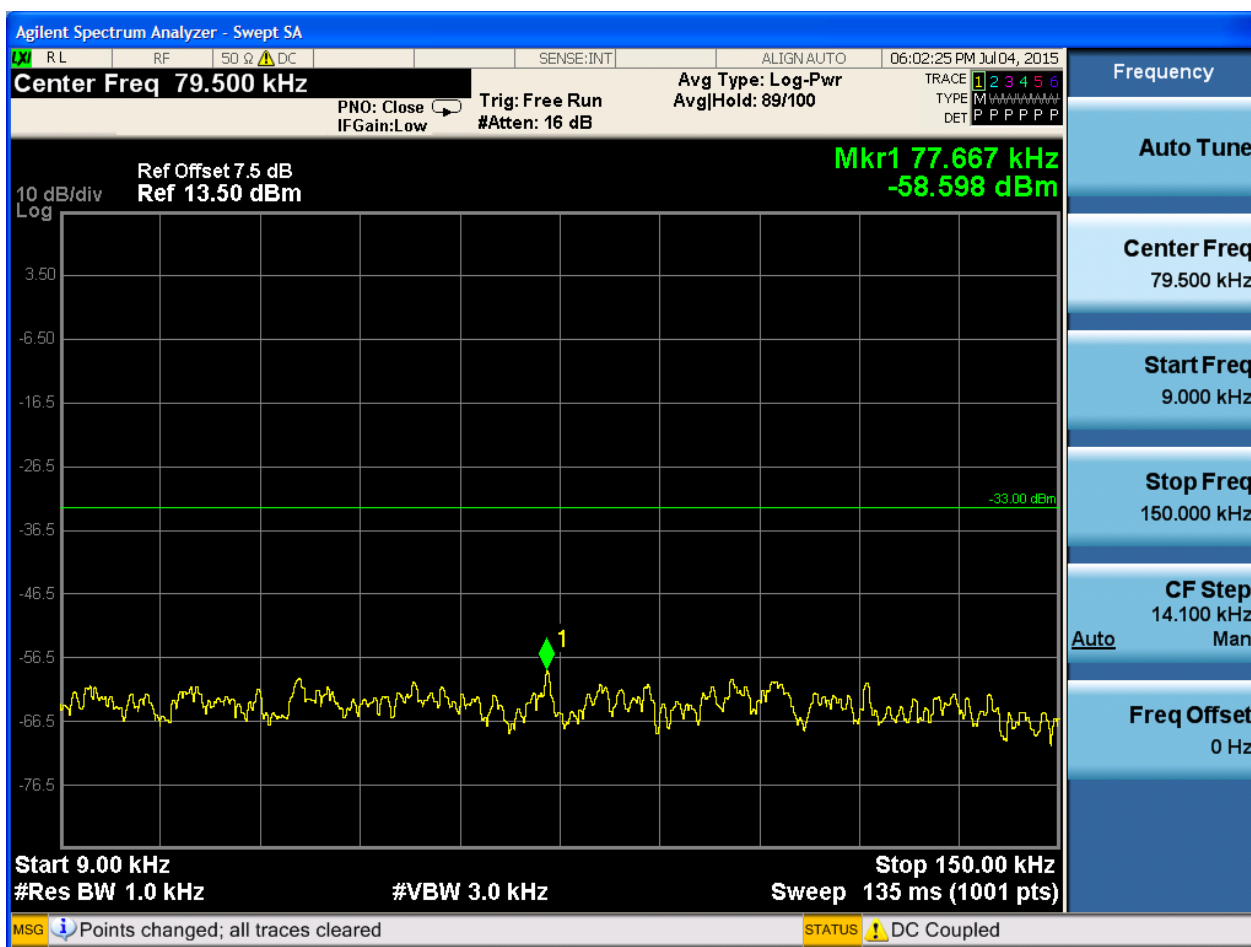


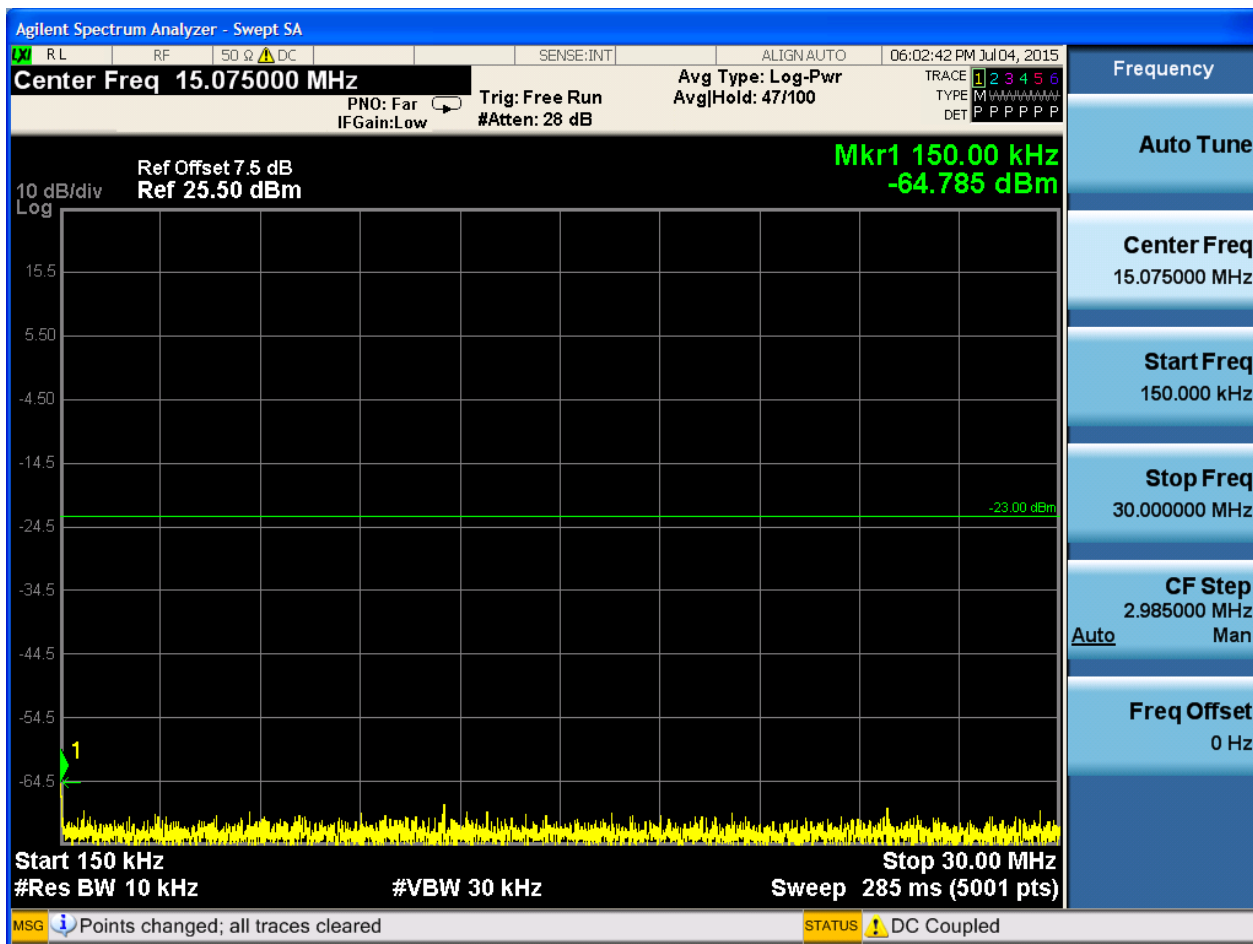


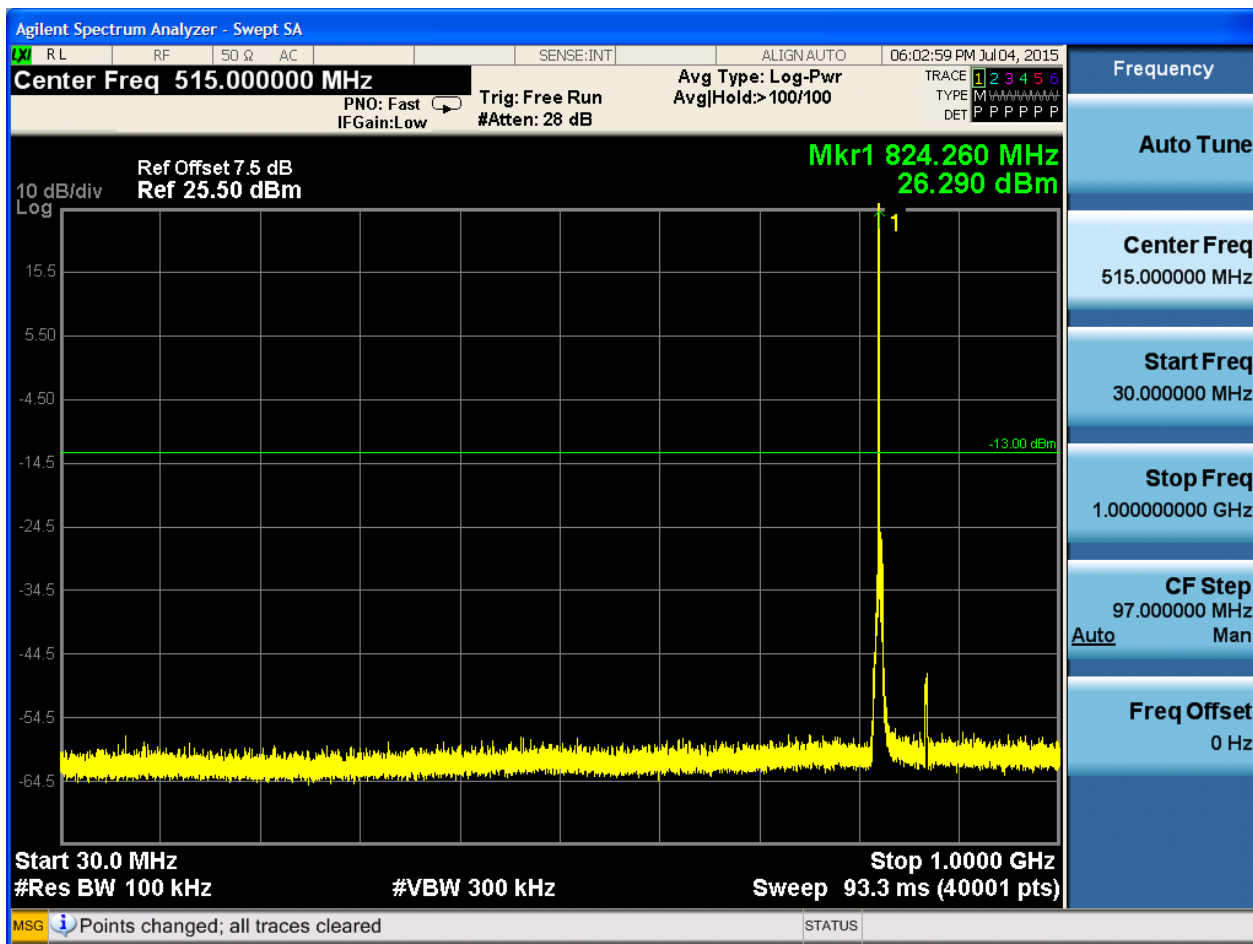
6.1.1.2.2 Test Bandwidth = 3

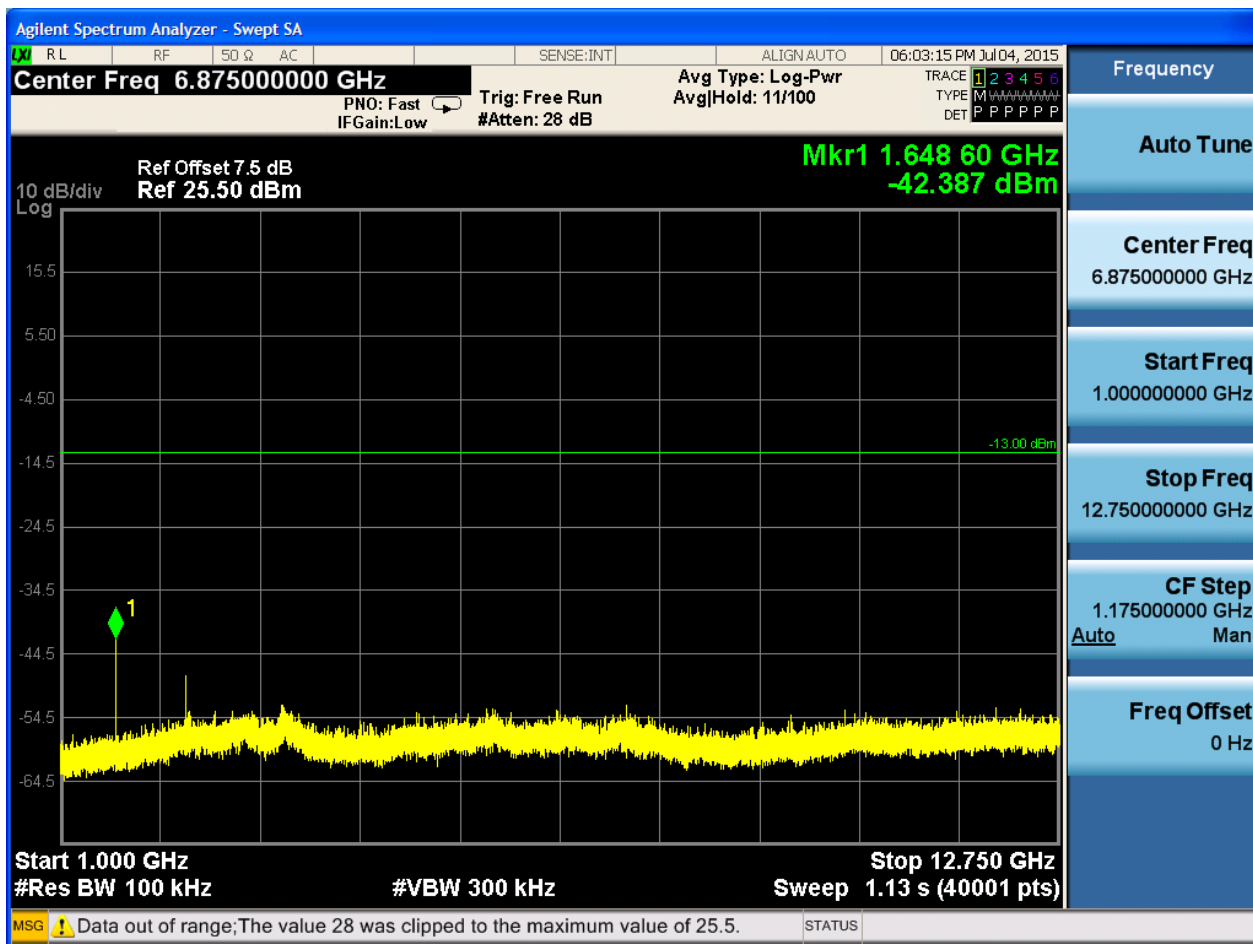
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0





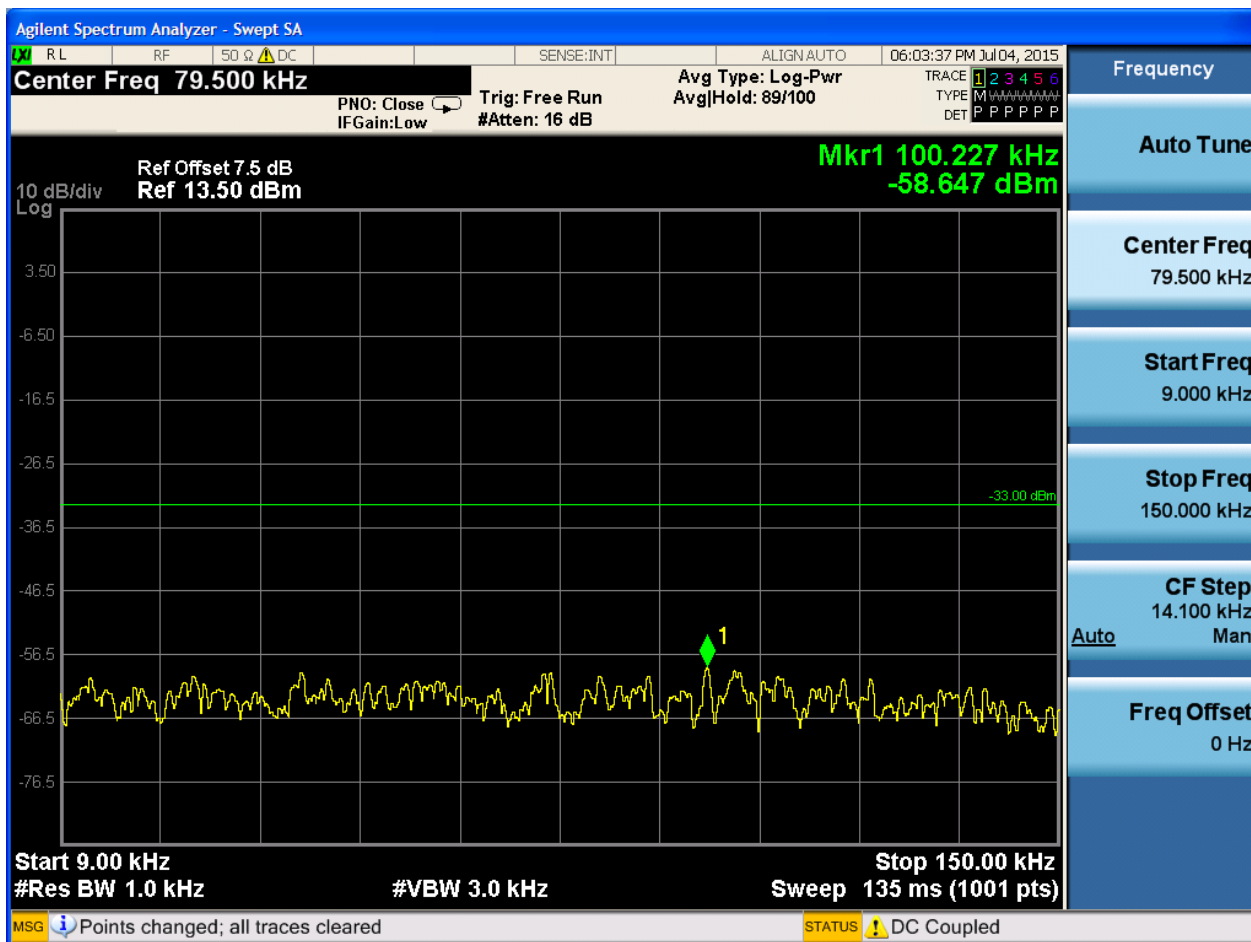


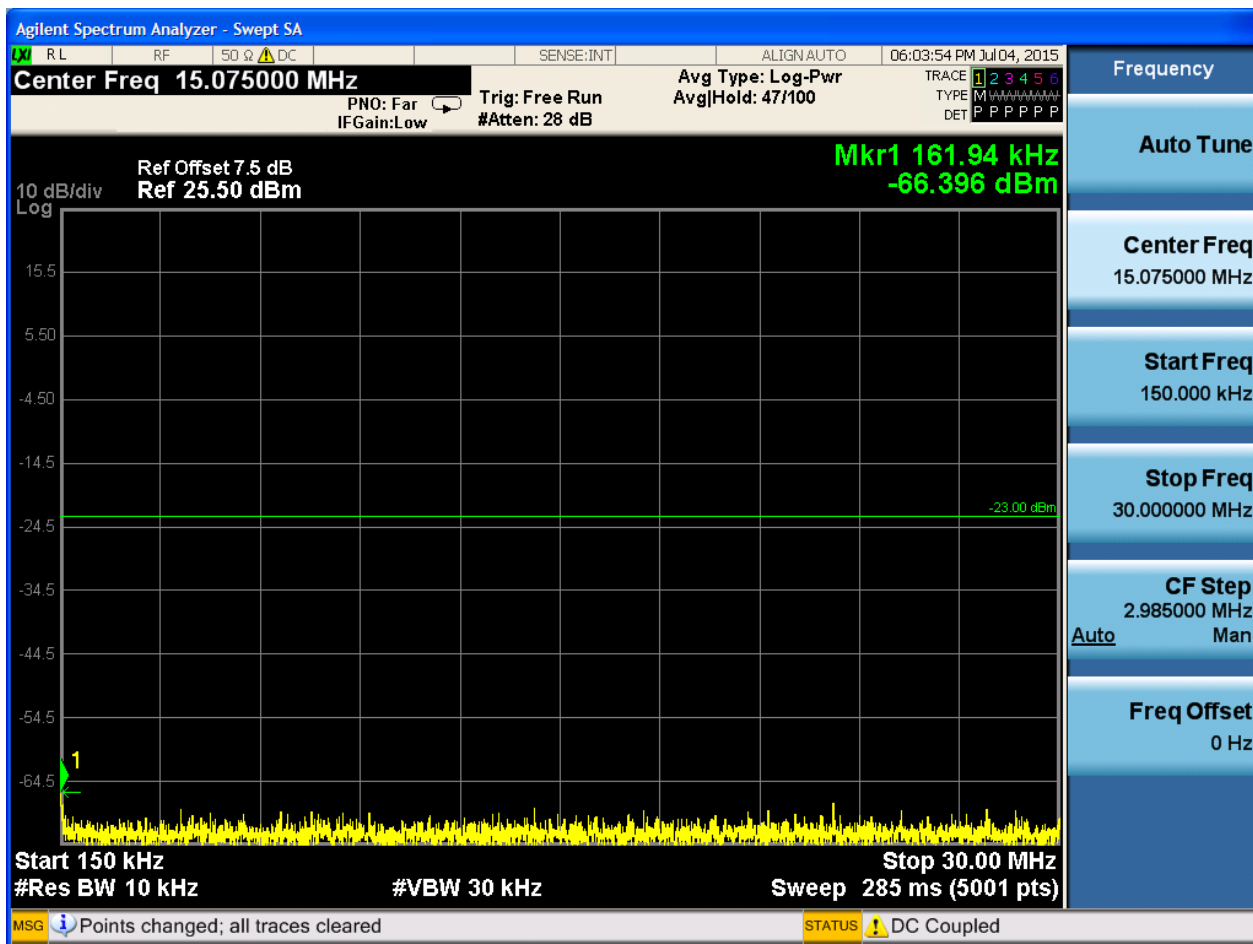


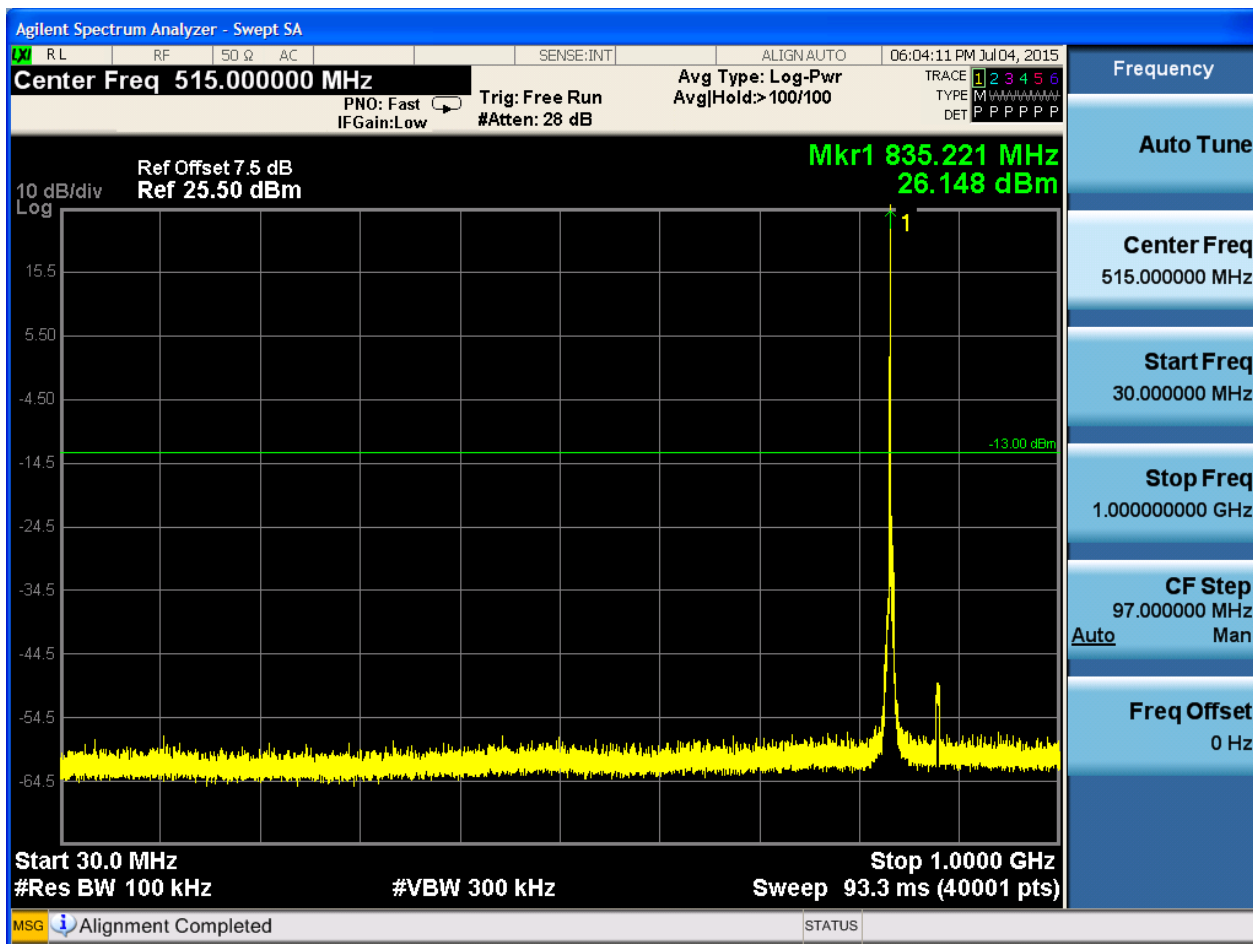


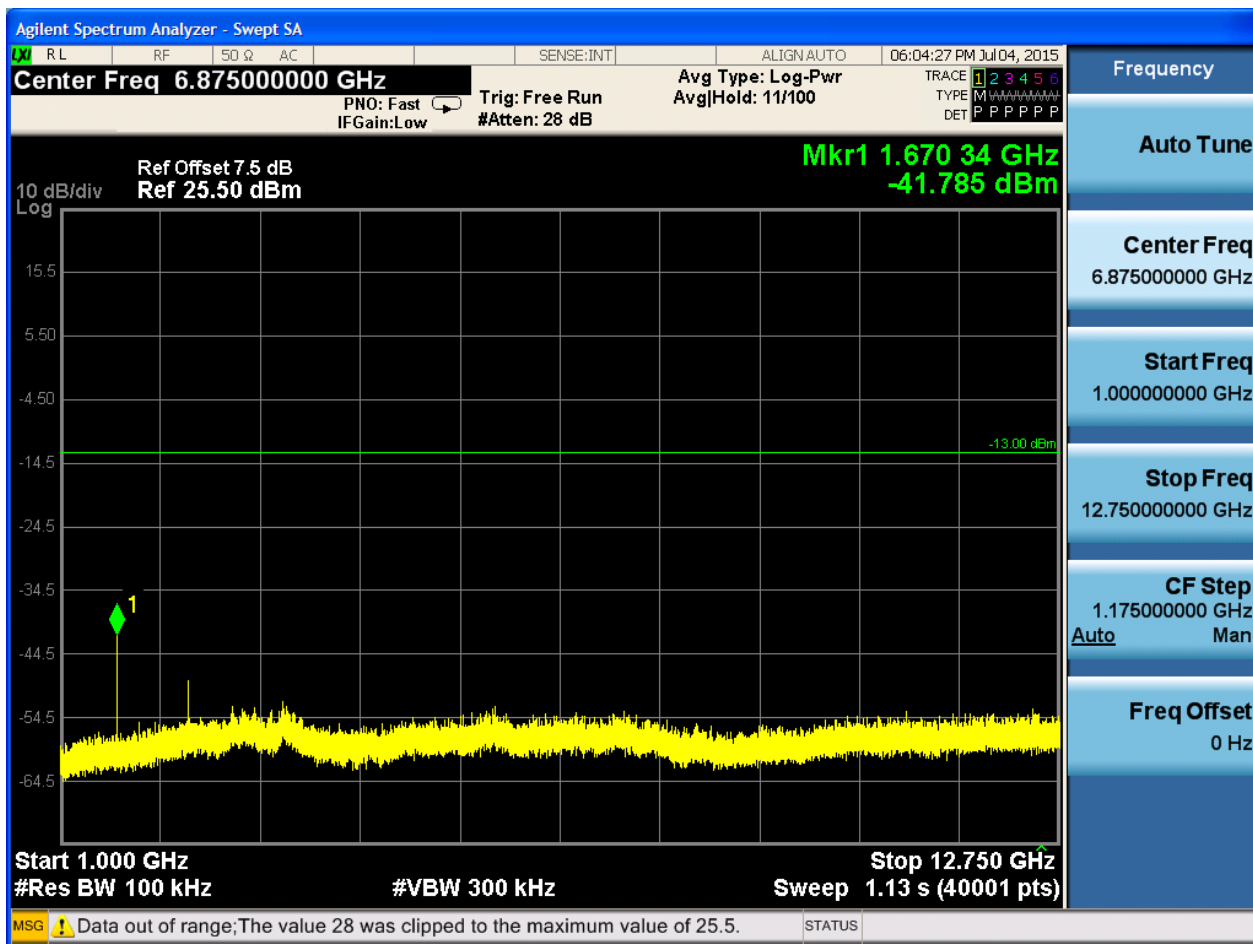
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





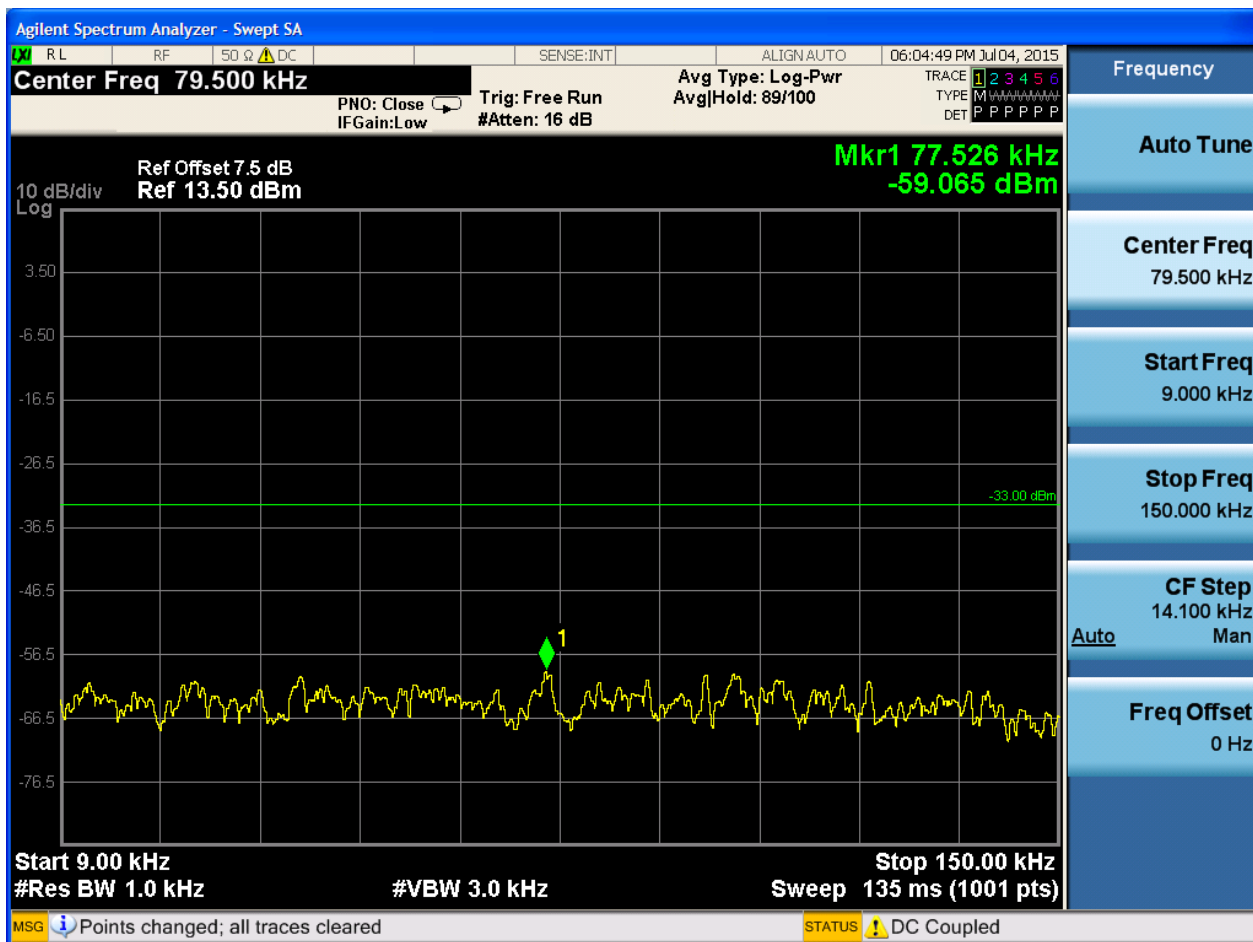


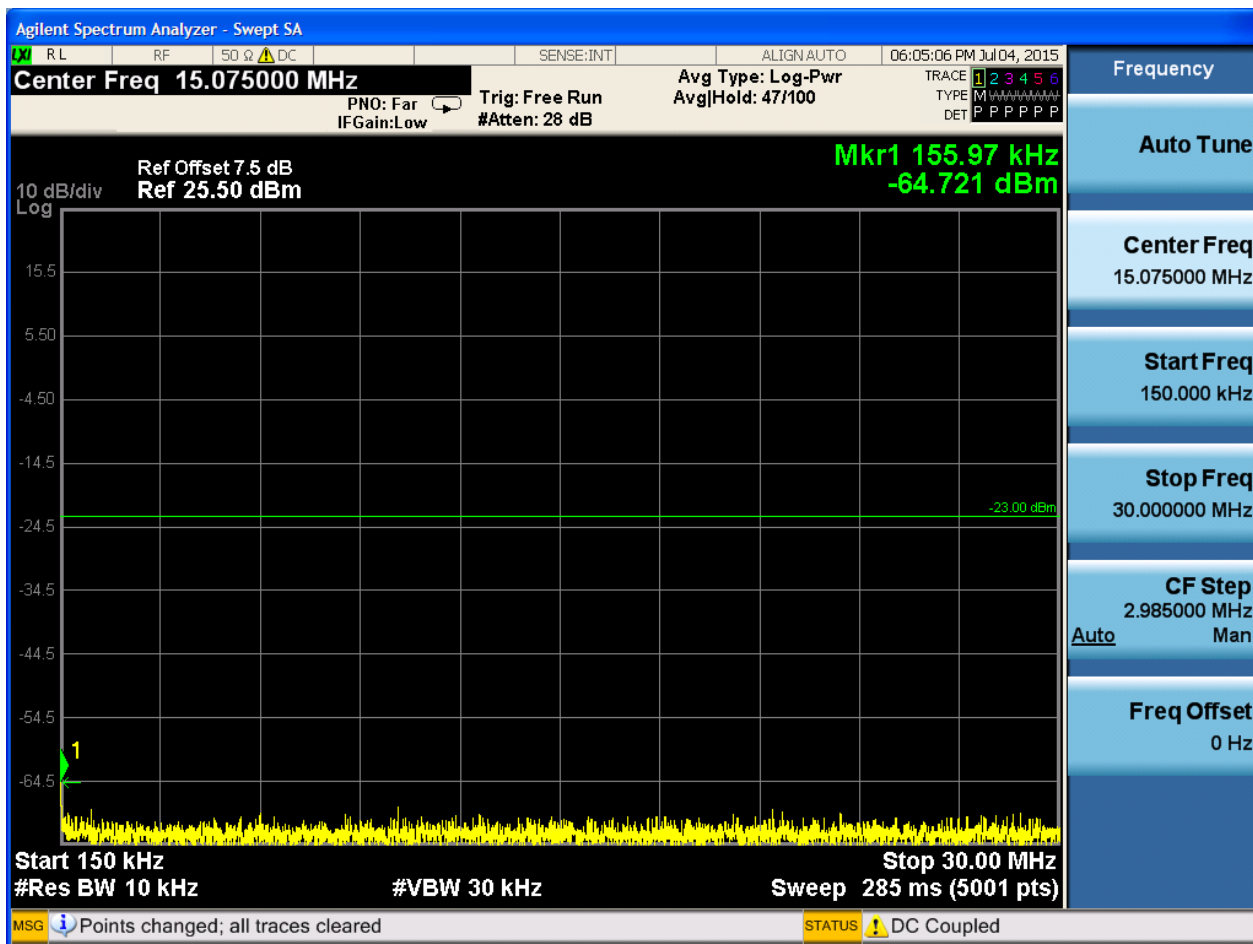


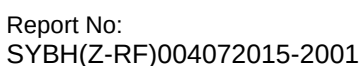


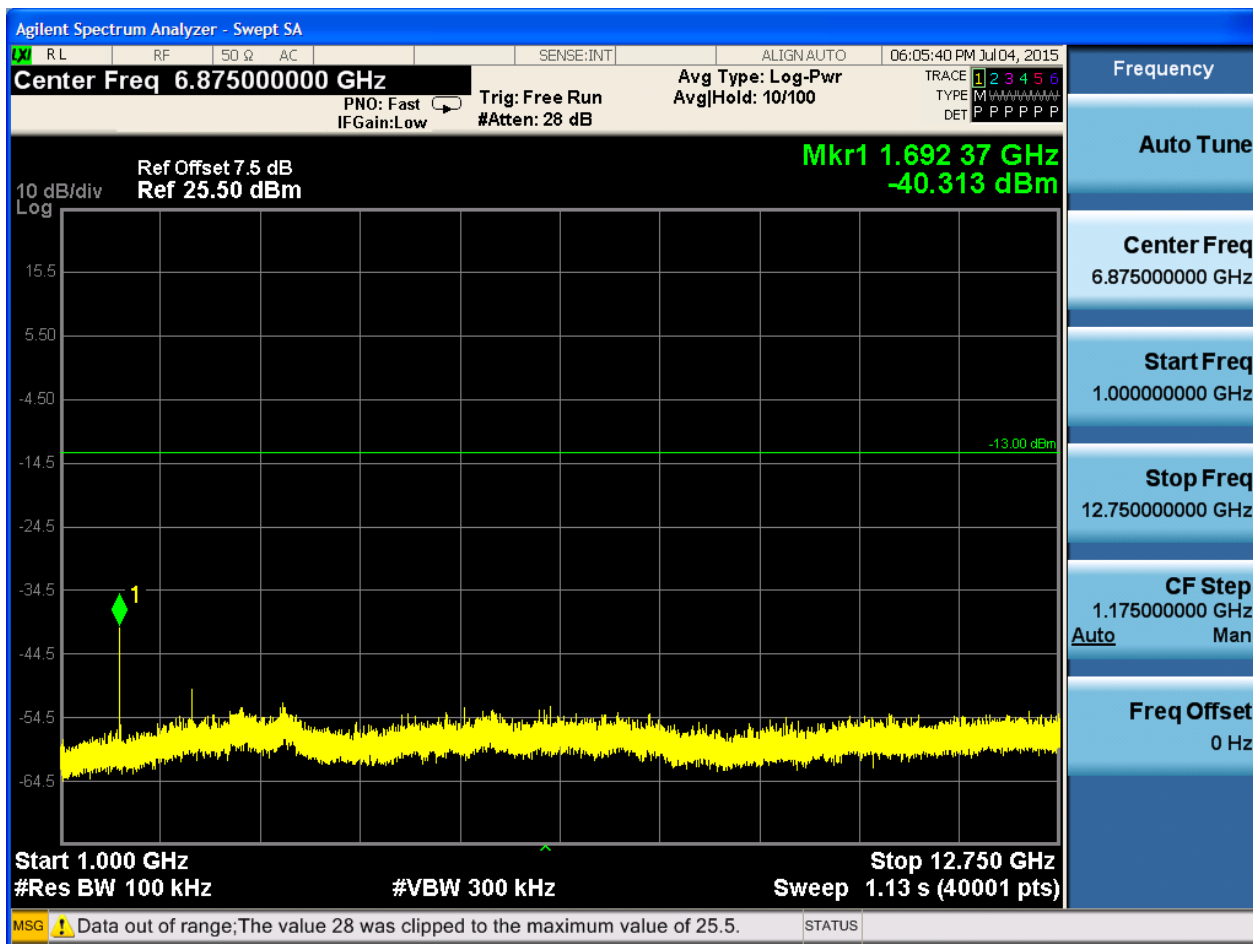
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





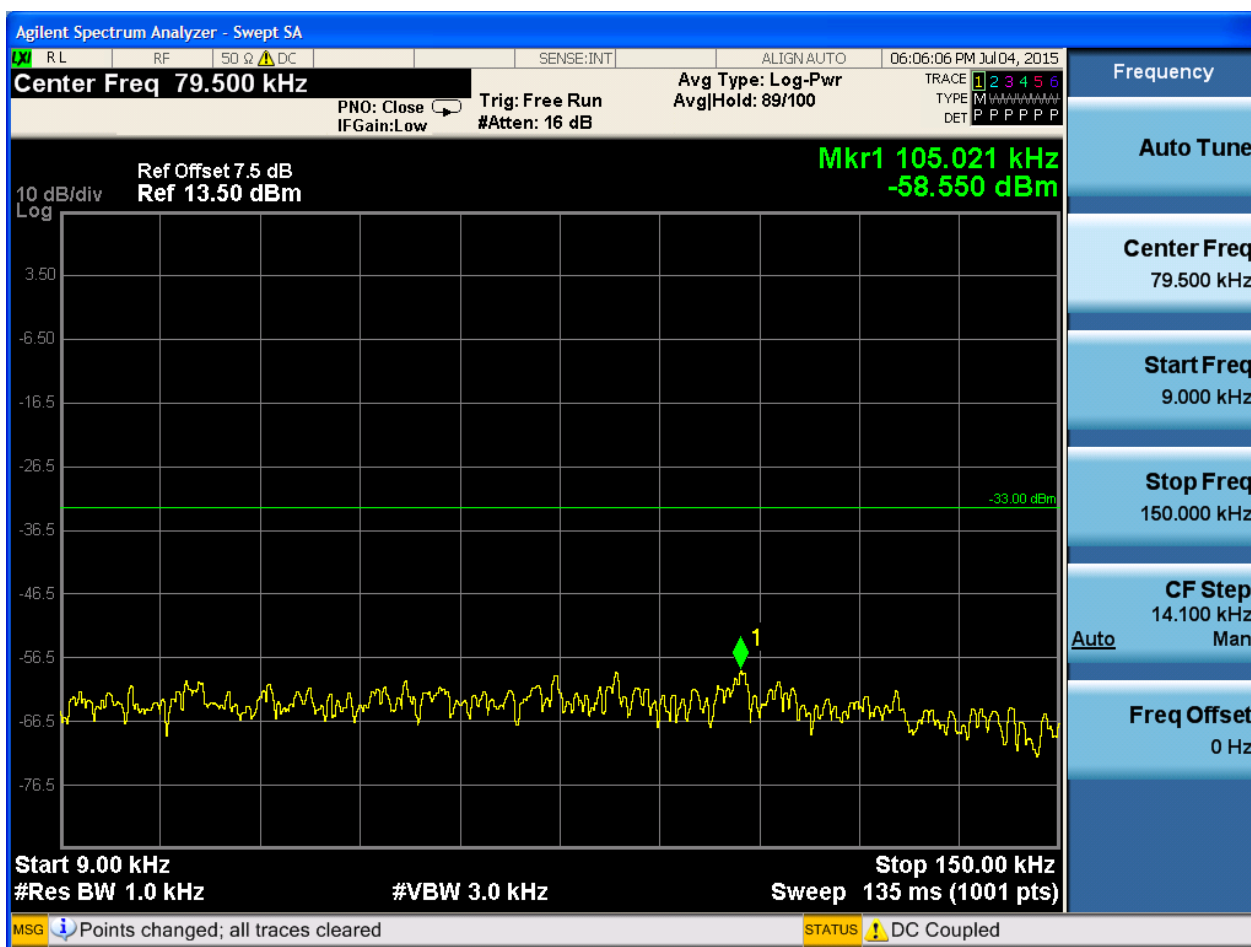


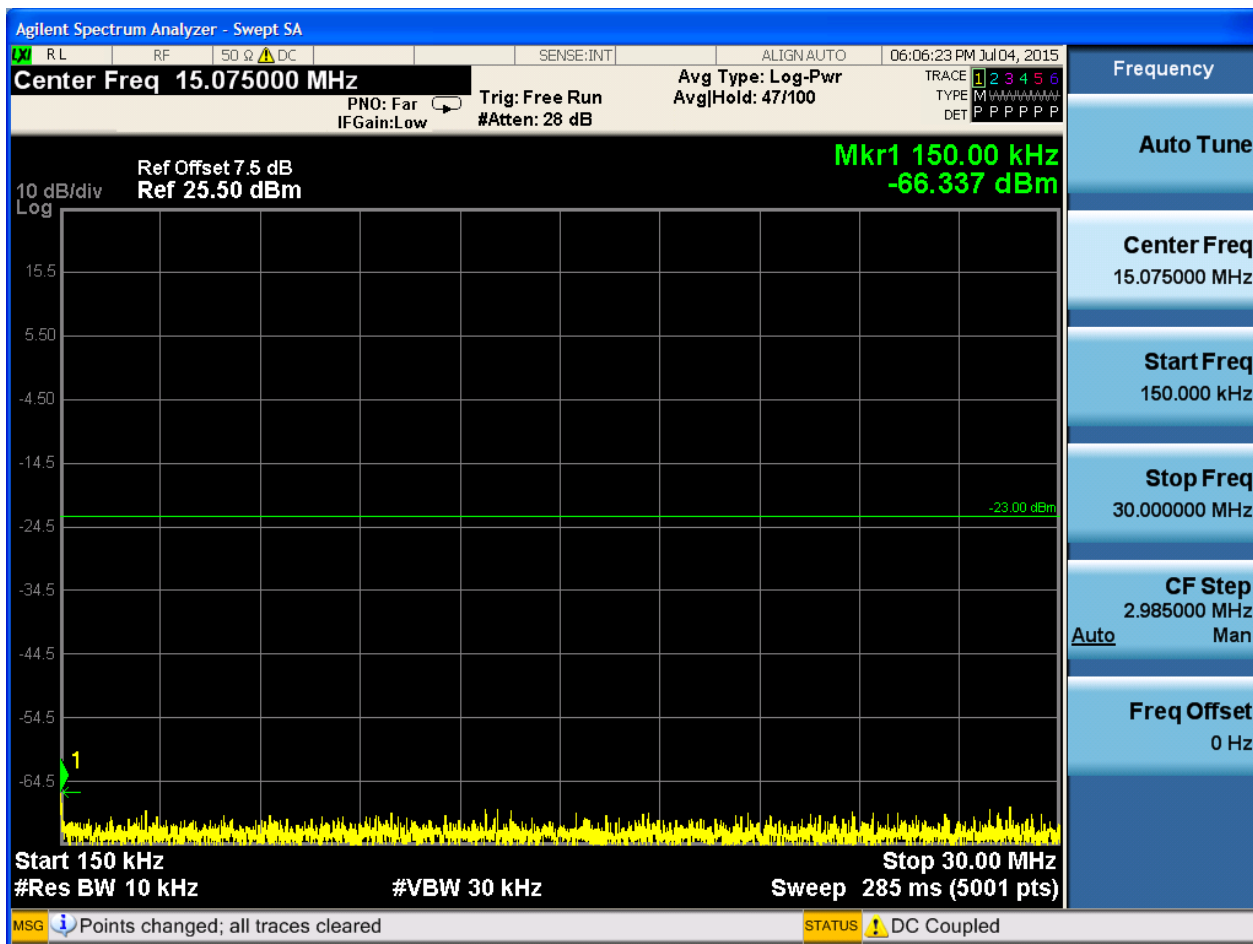


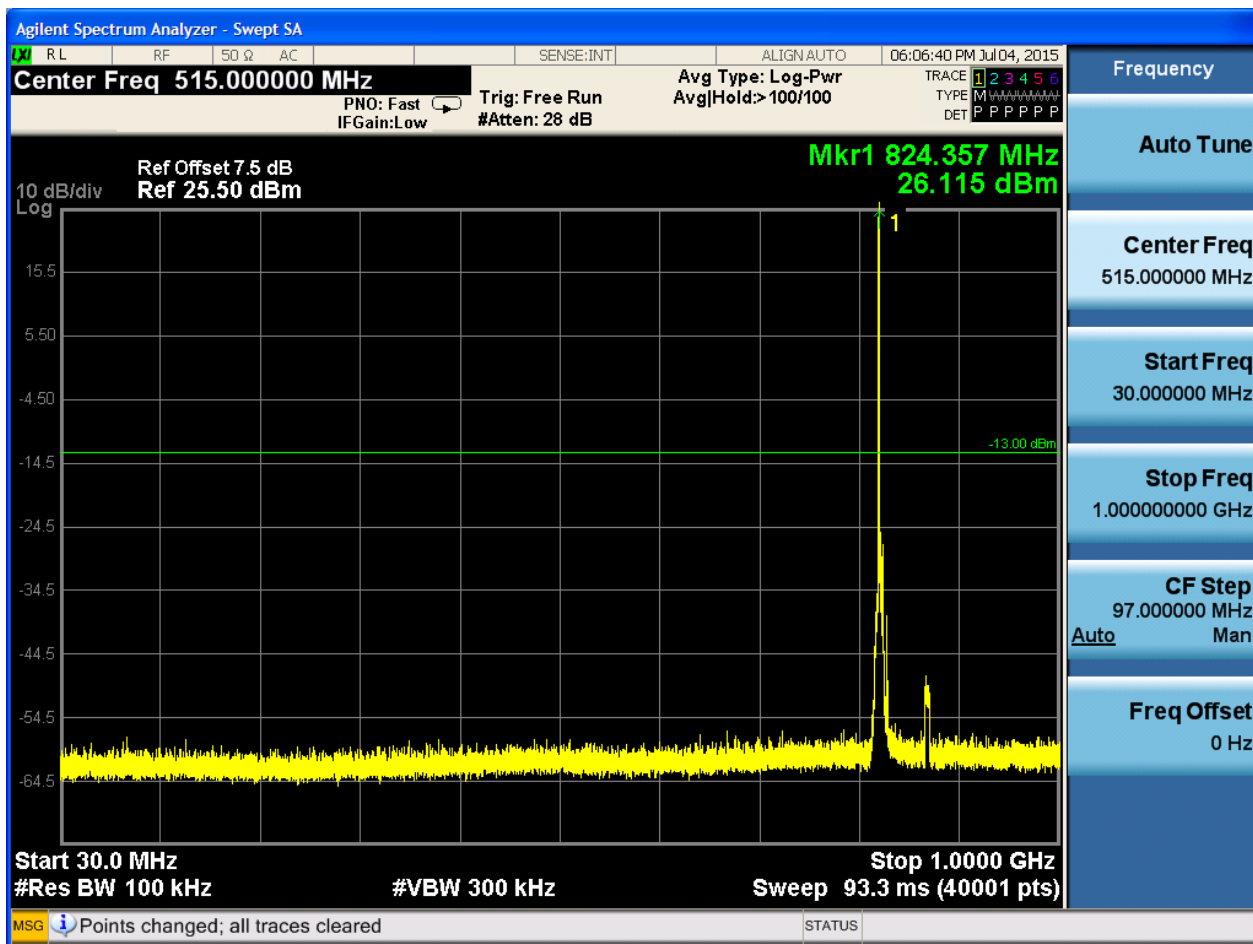
6.1.1.2.3 Test Bandwidth = 5

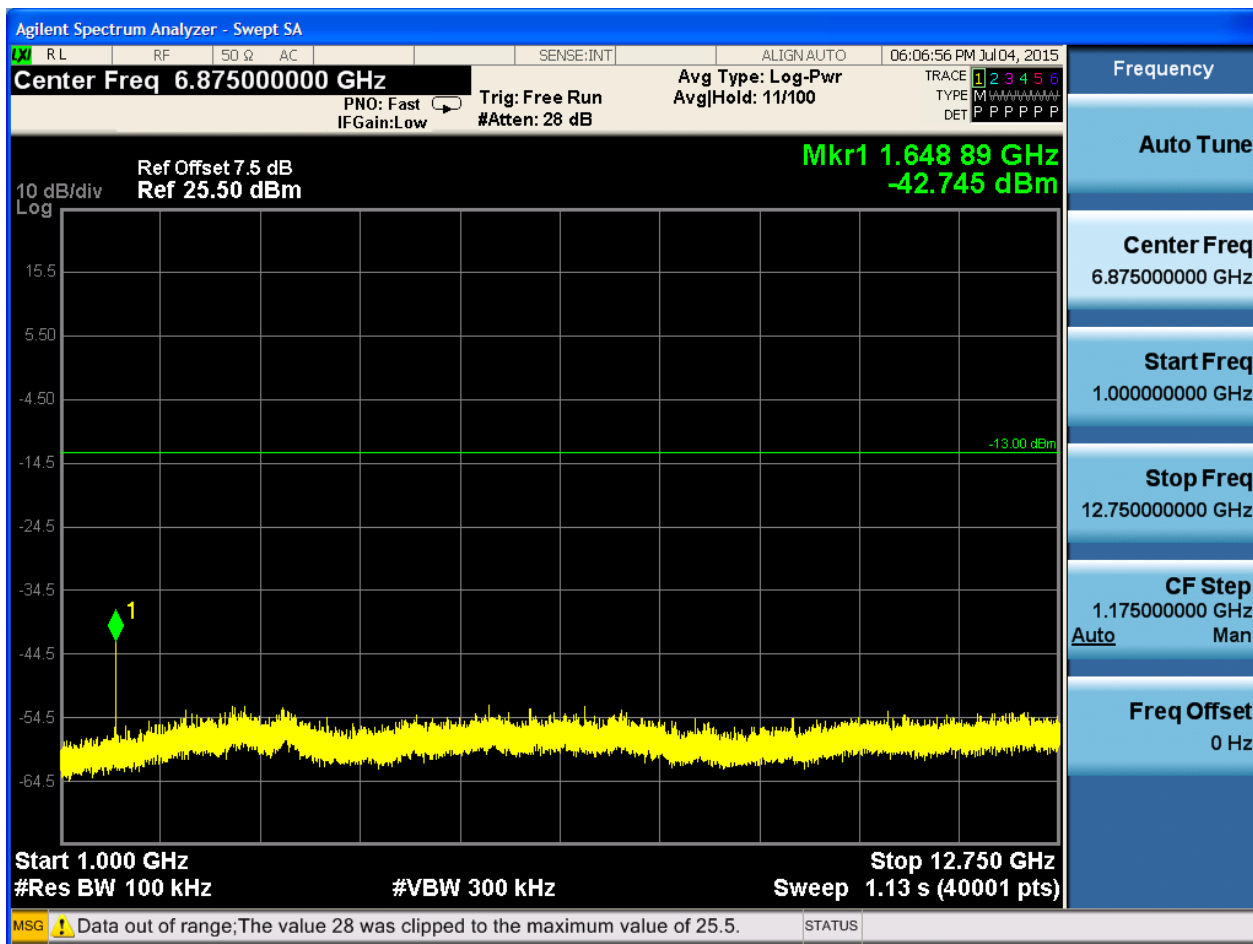
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



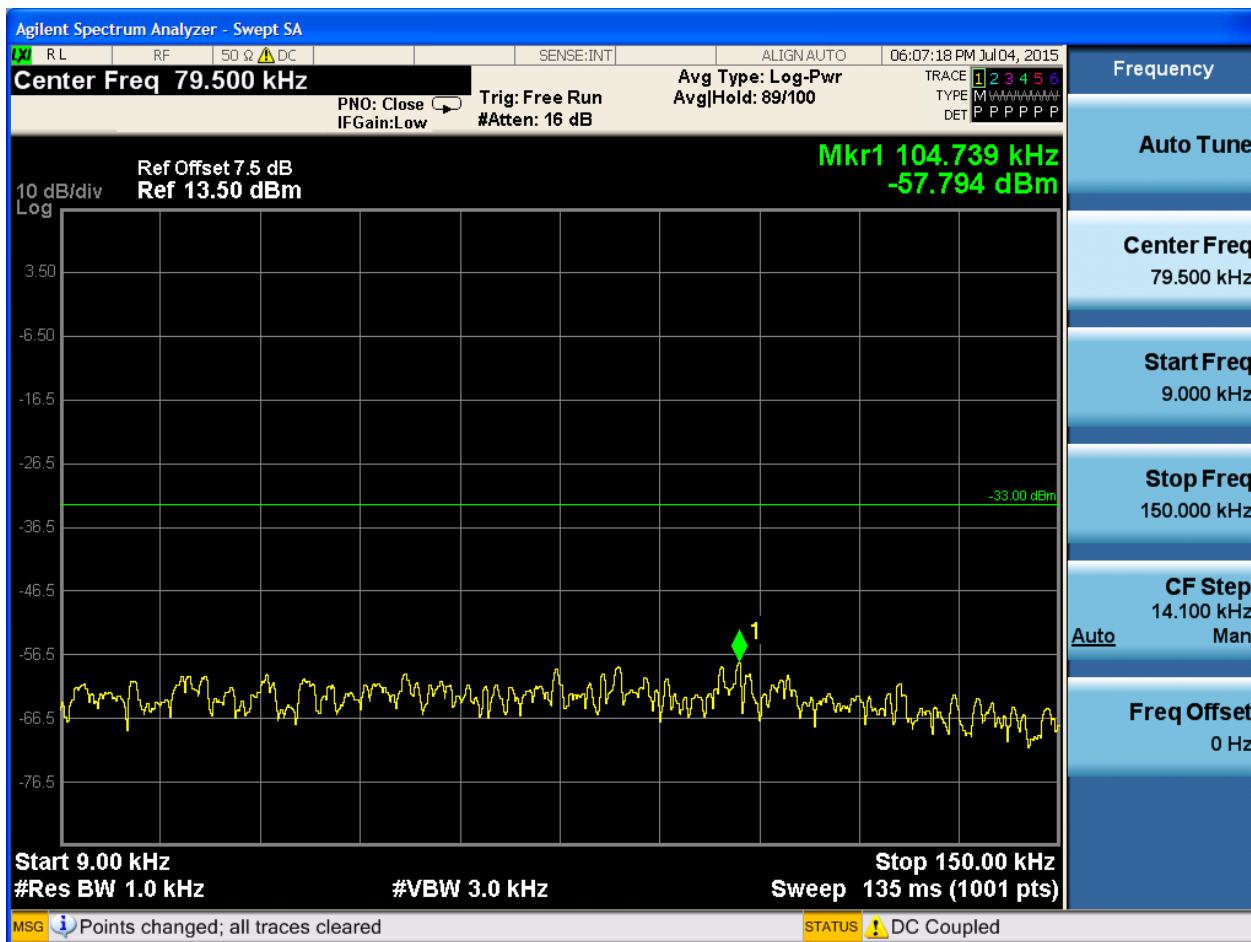


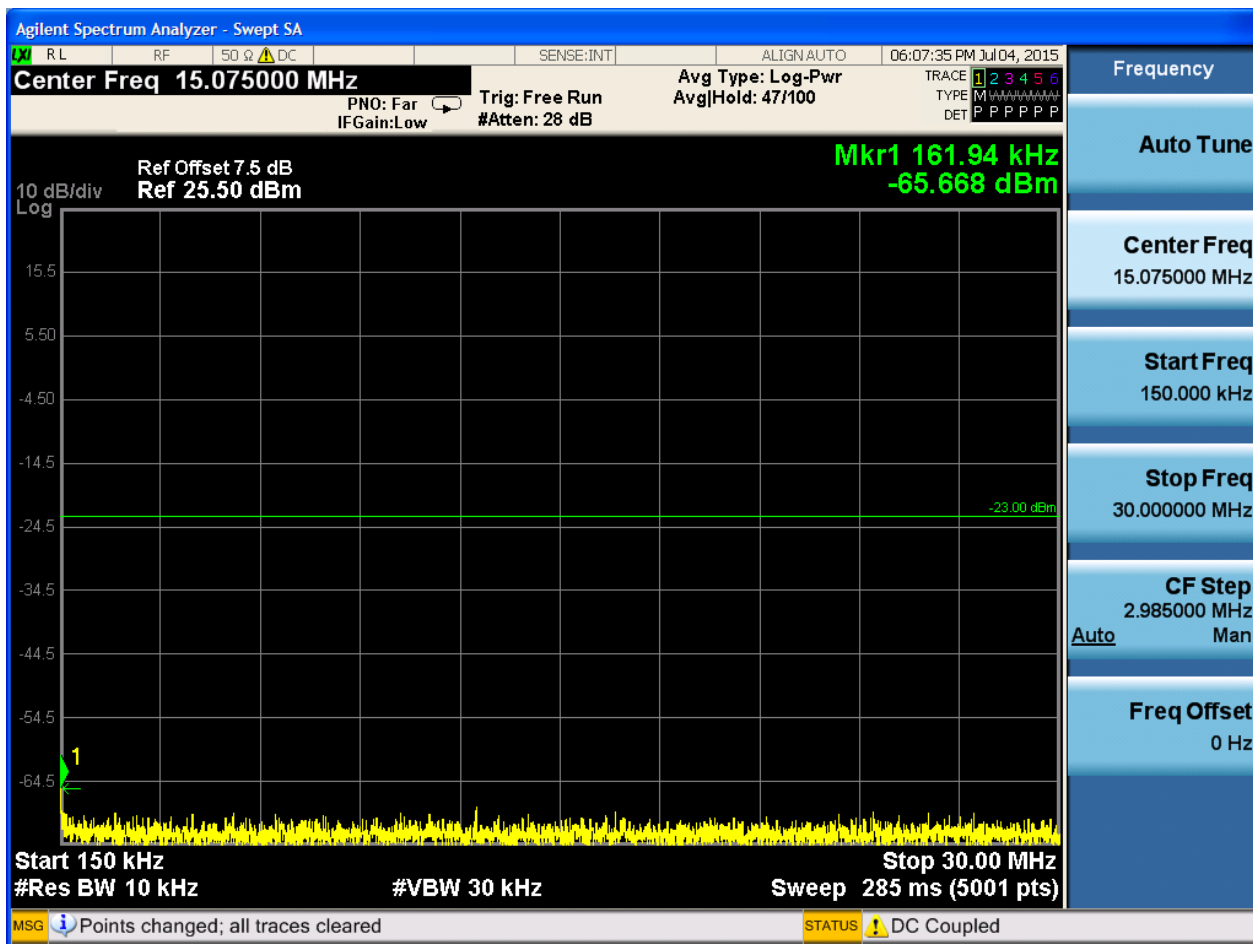


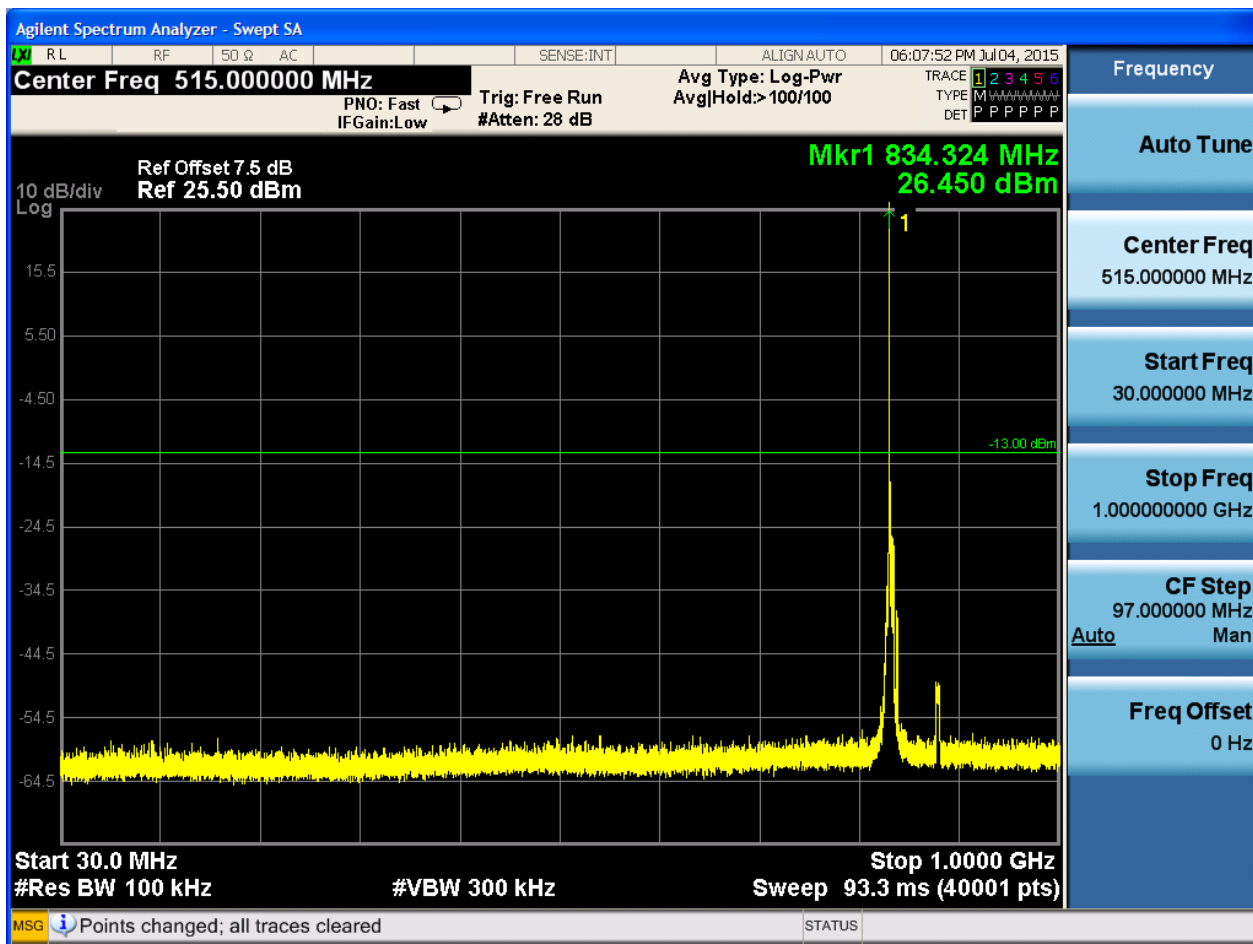


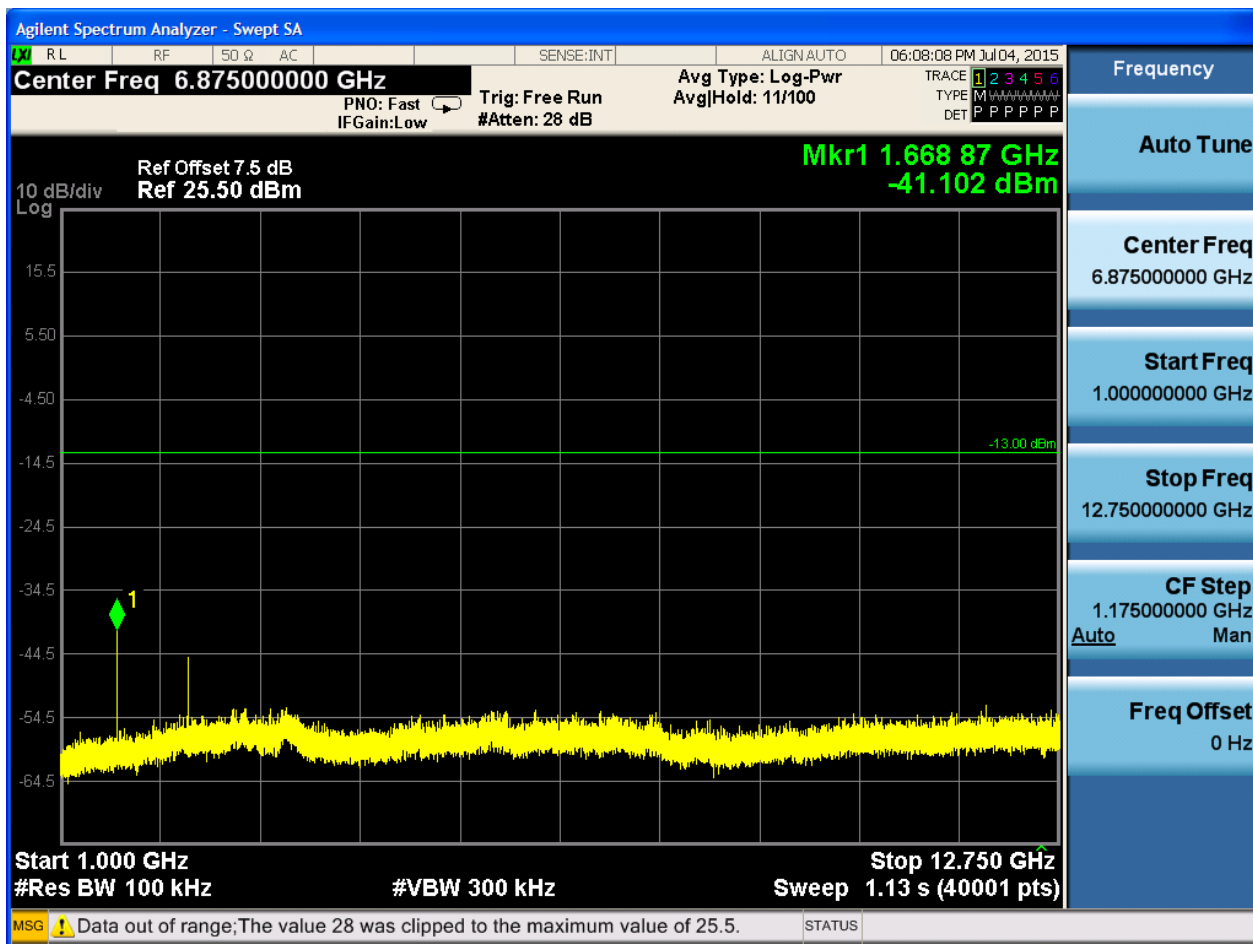
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0





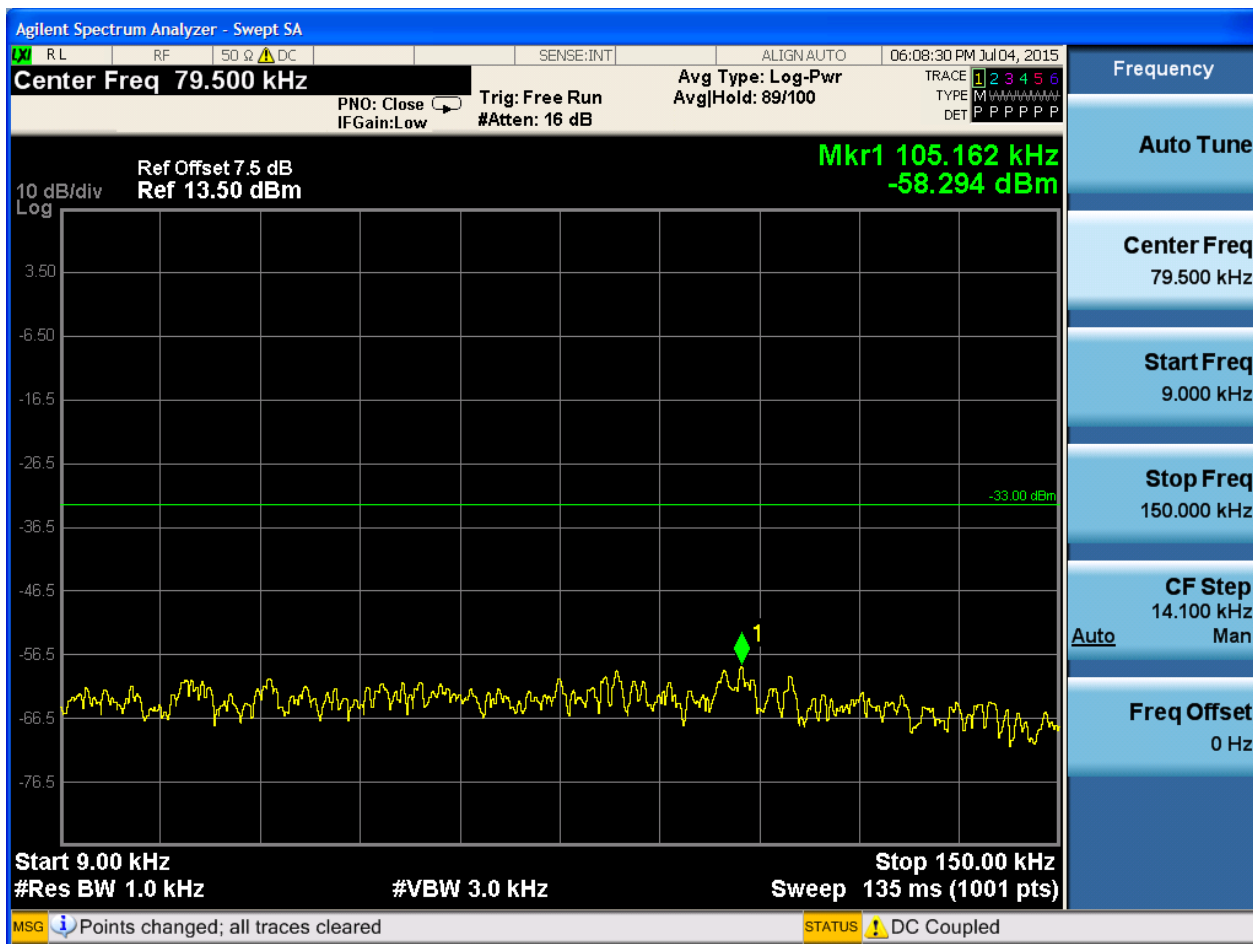


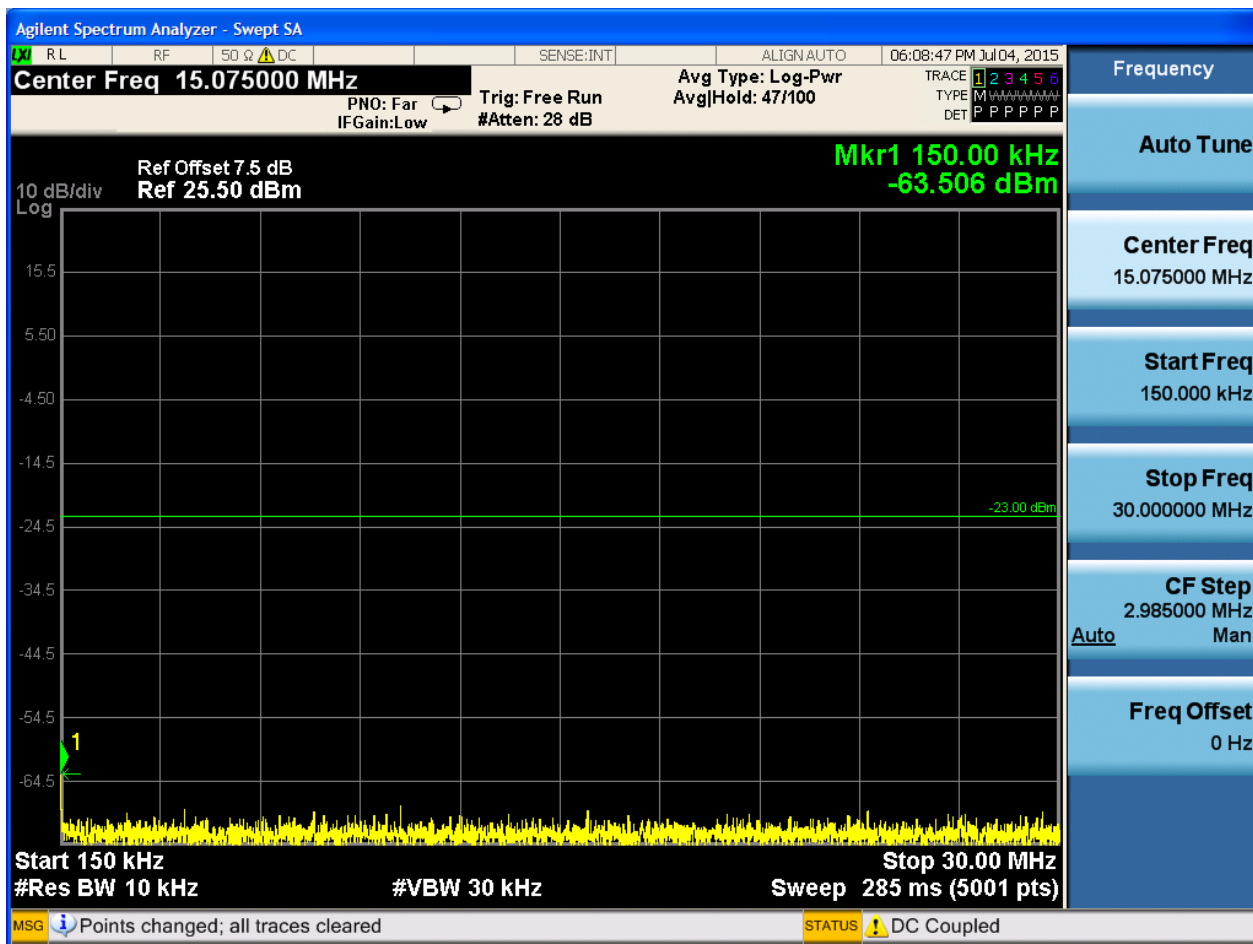


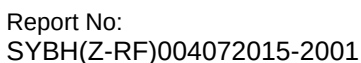


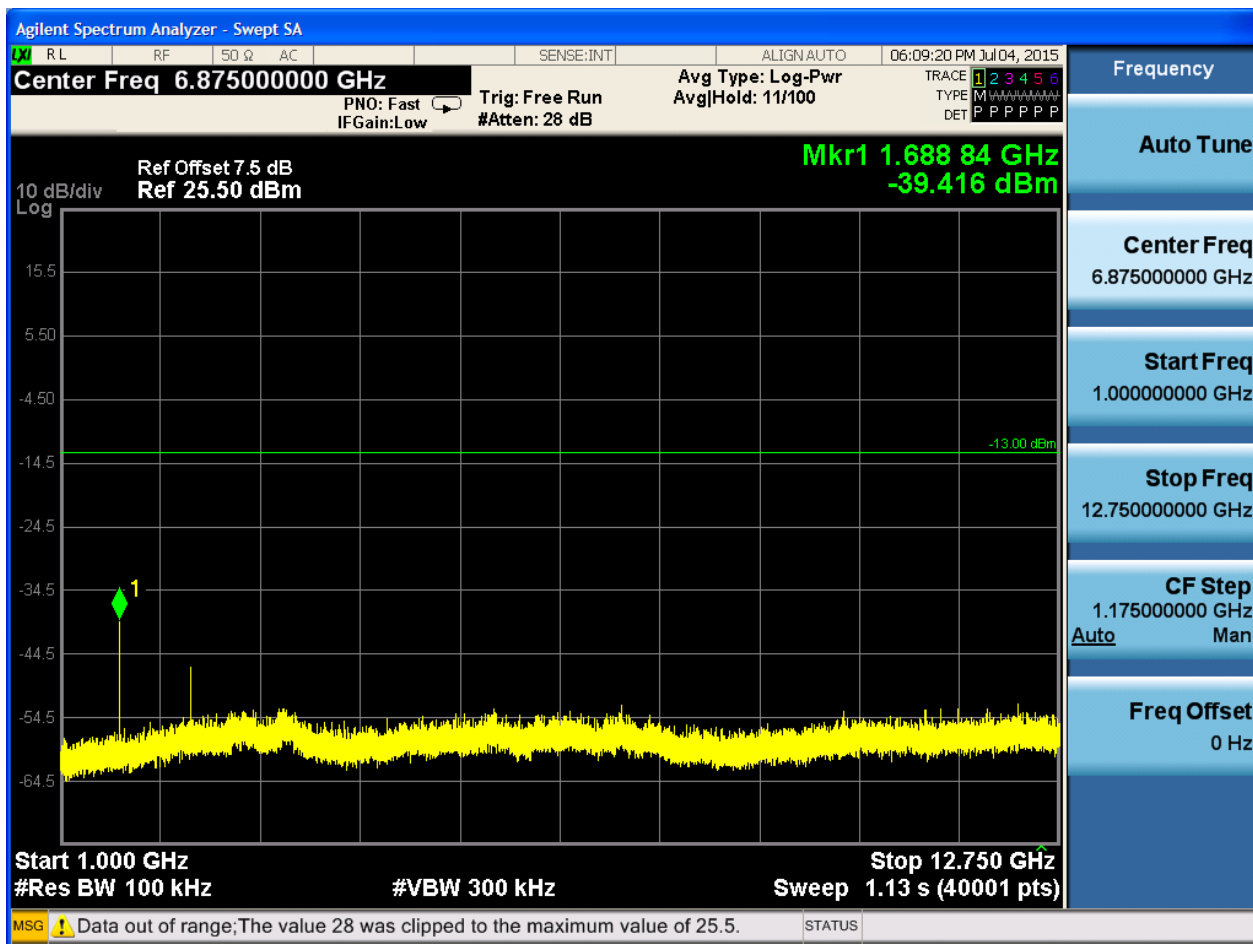
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





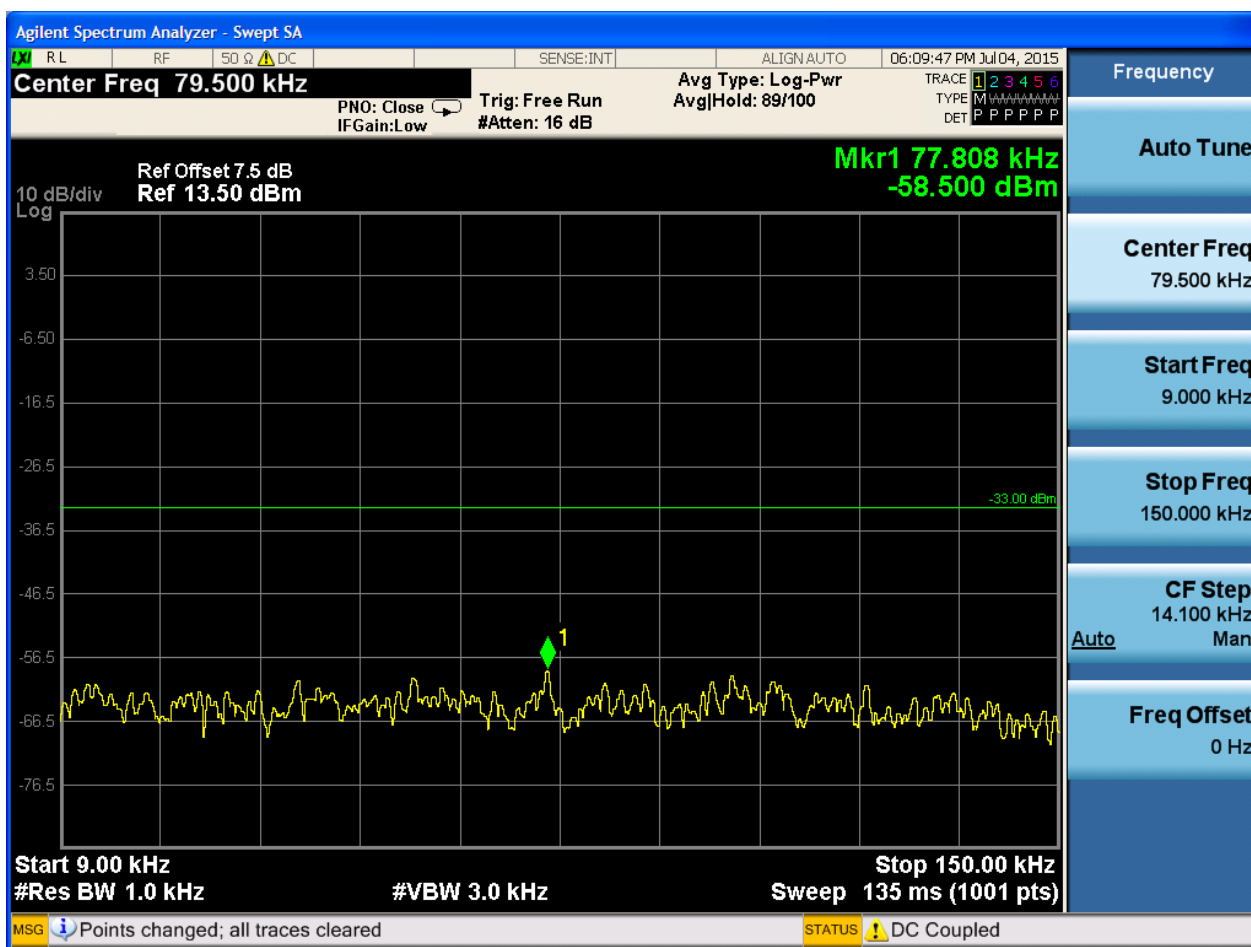


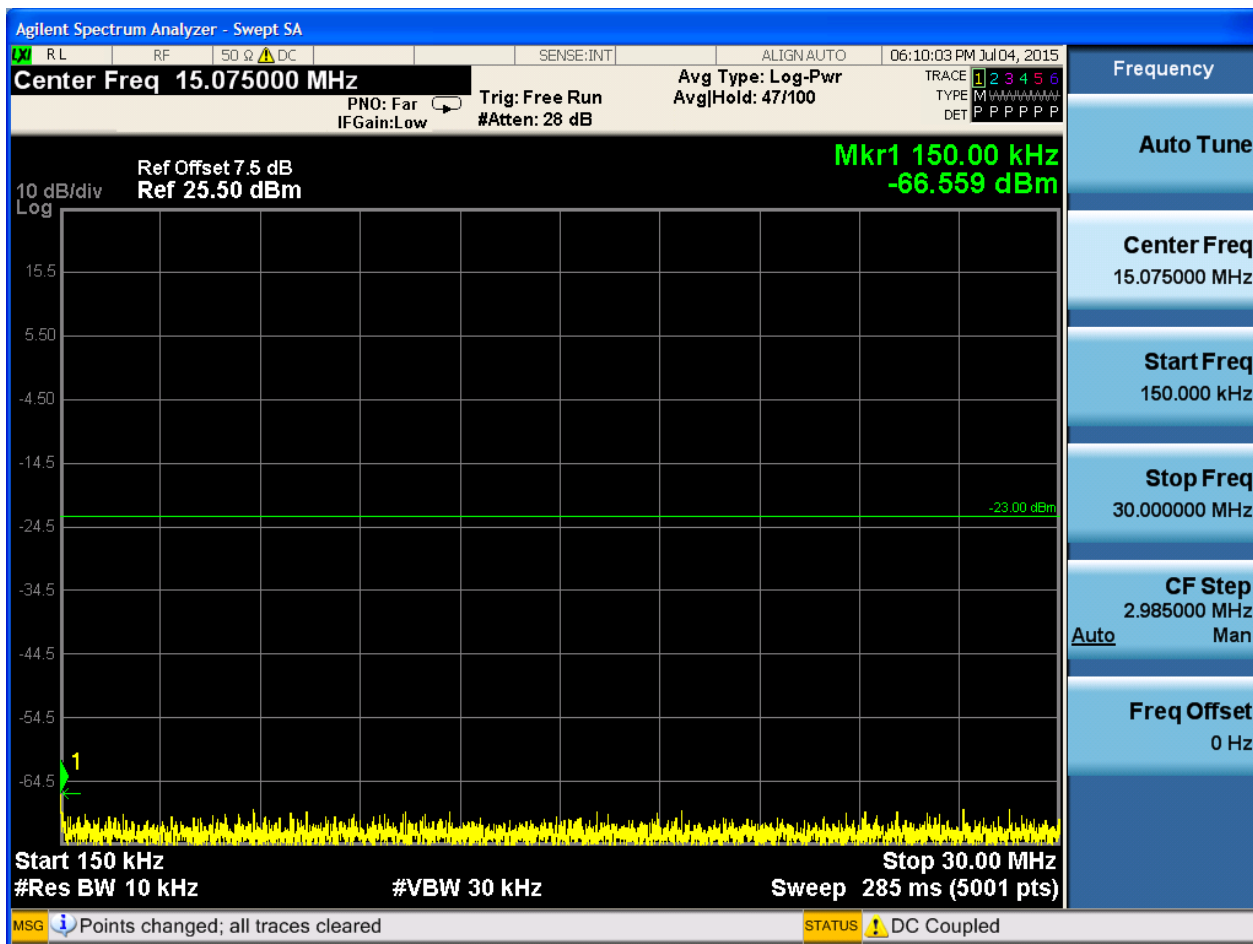


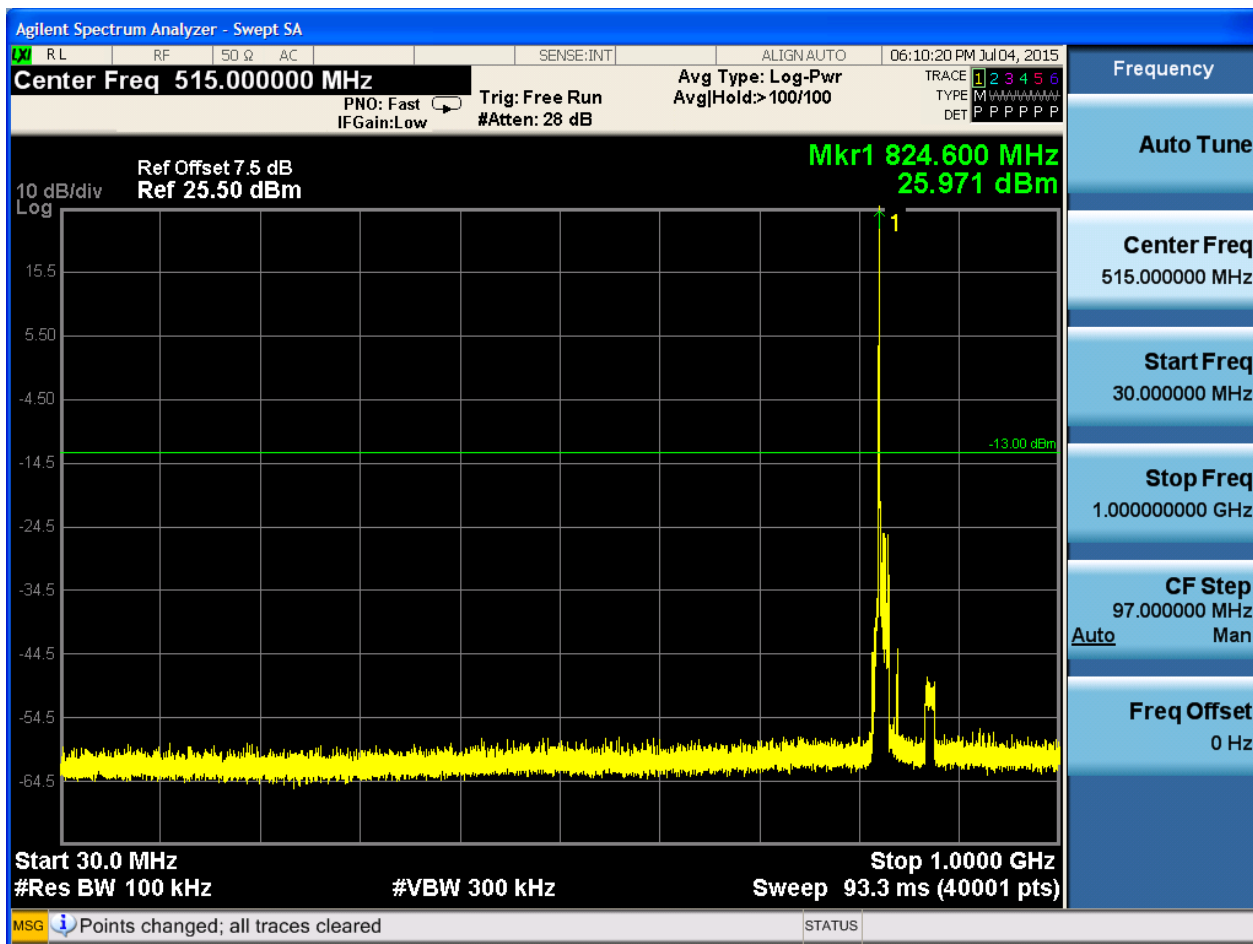
6.1.1.2.4 Test Bandwidth = 10

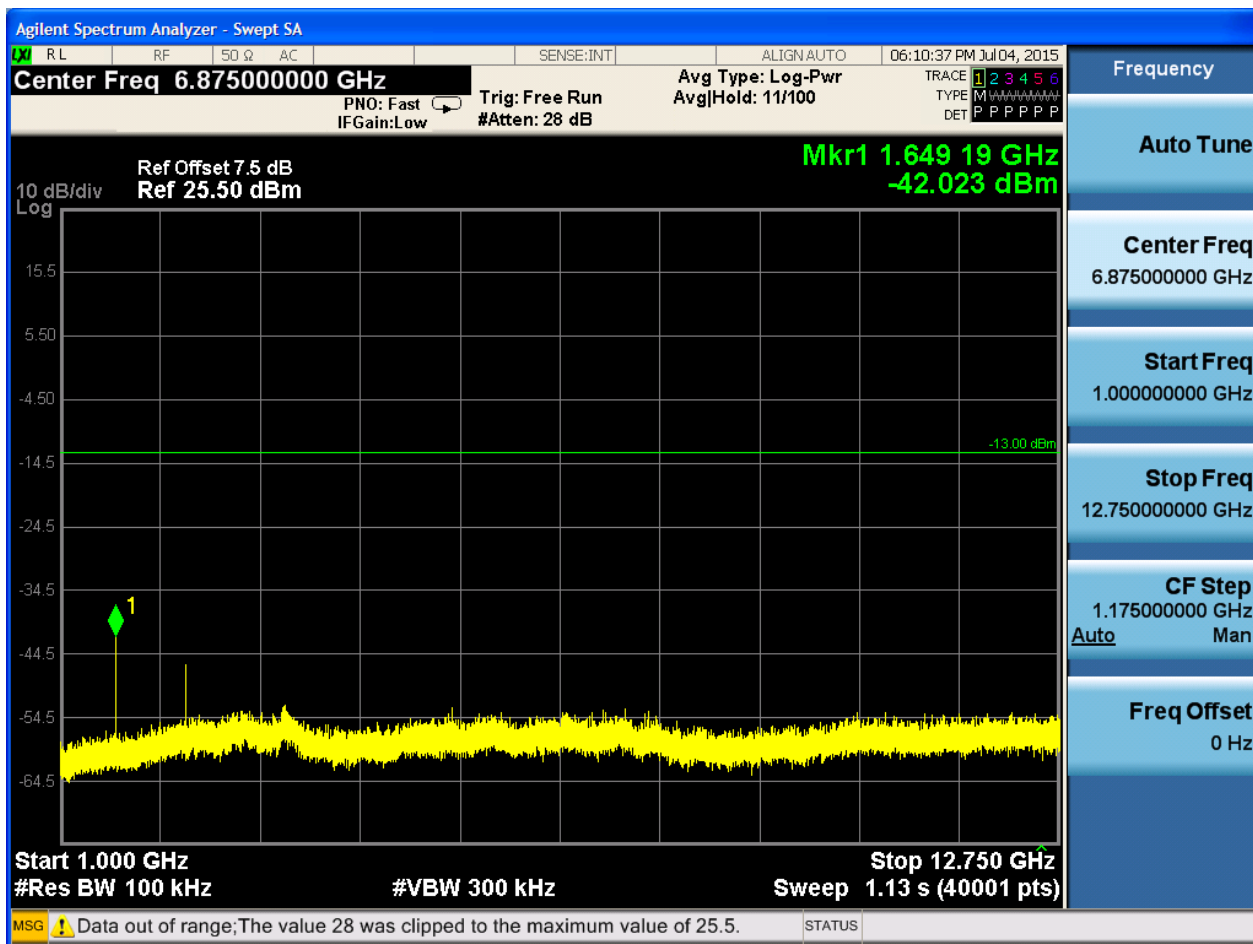
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





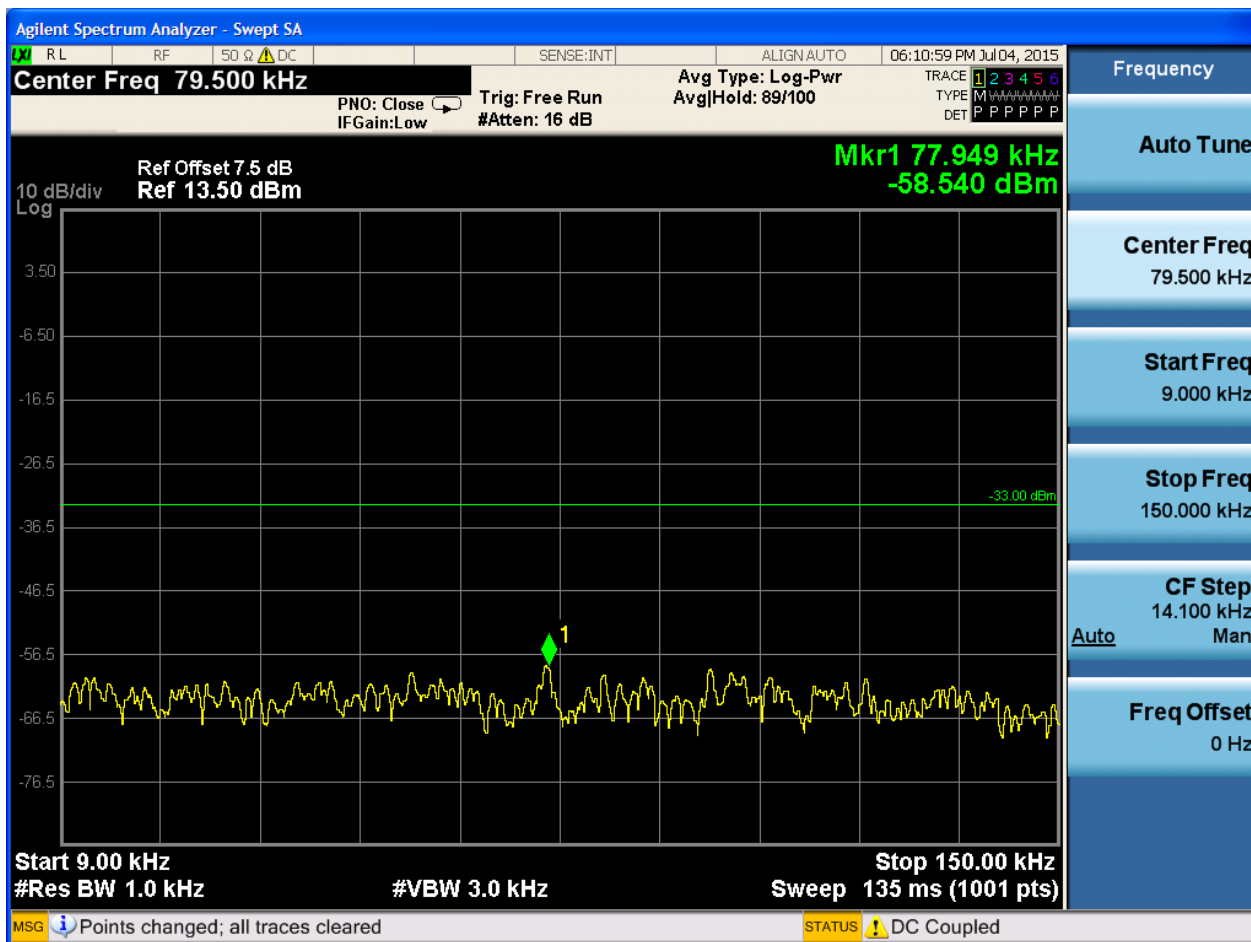


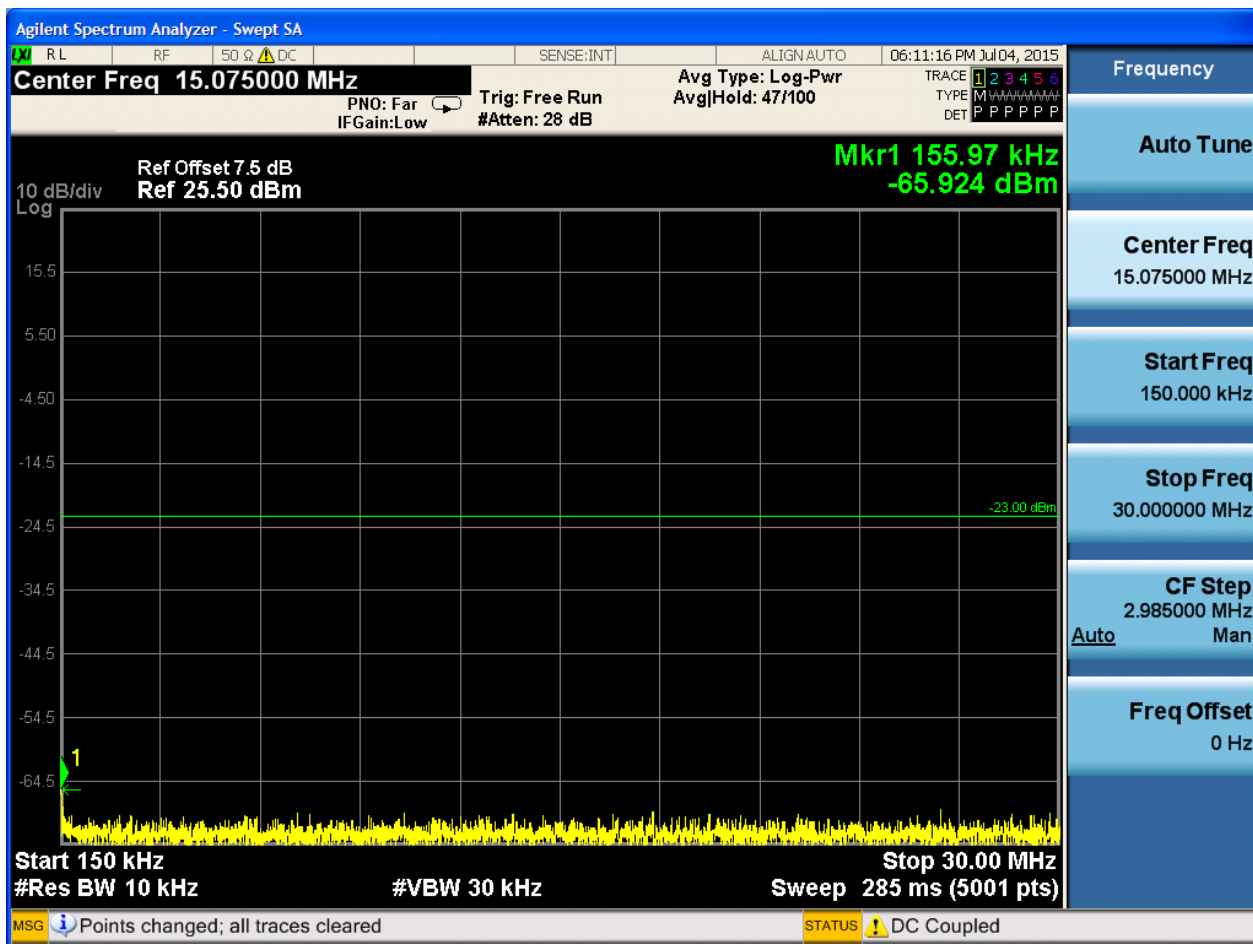


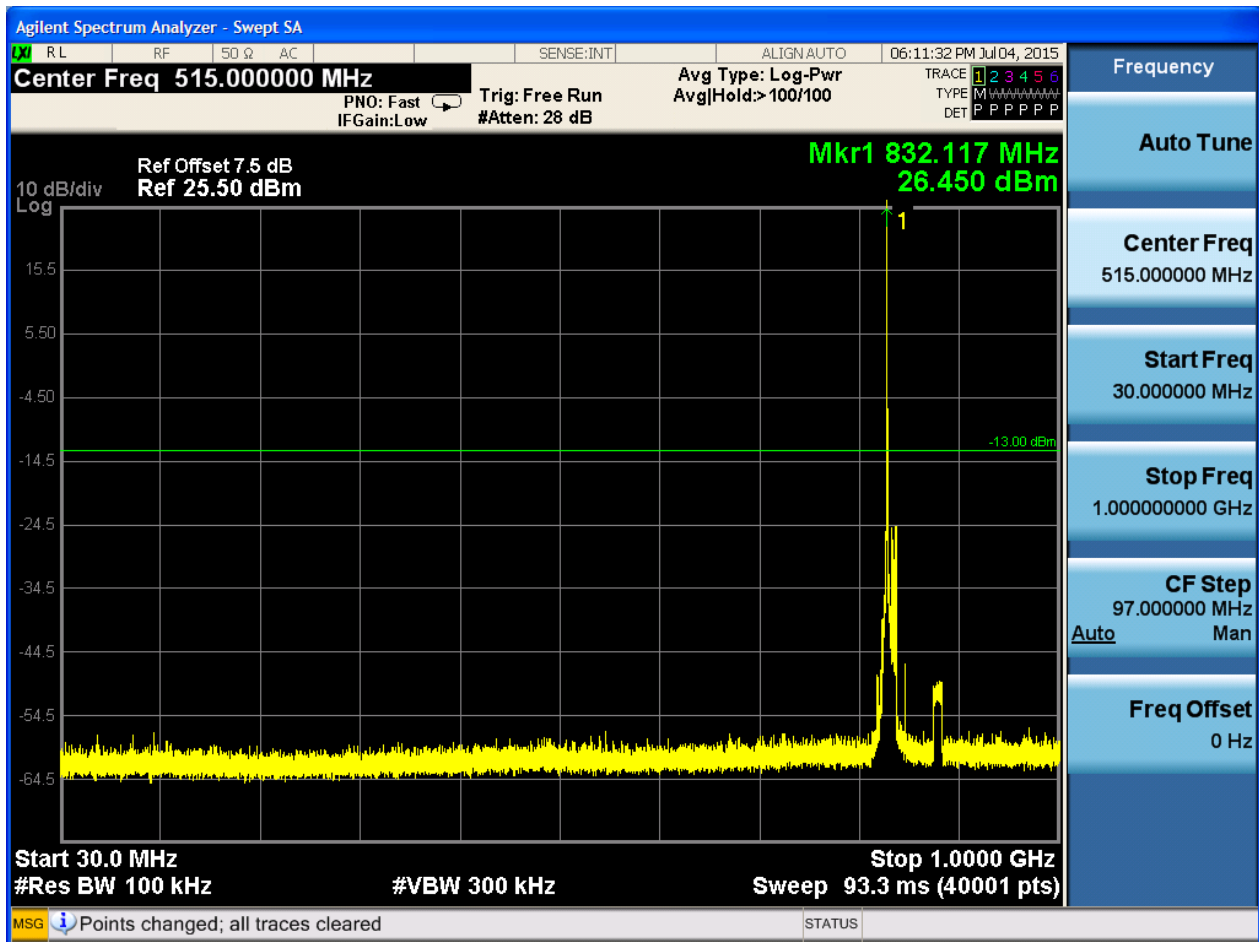


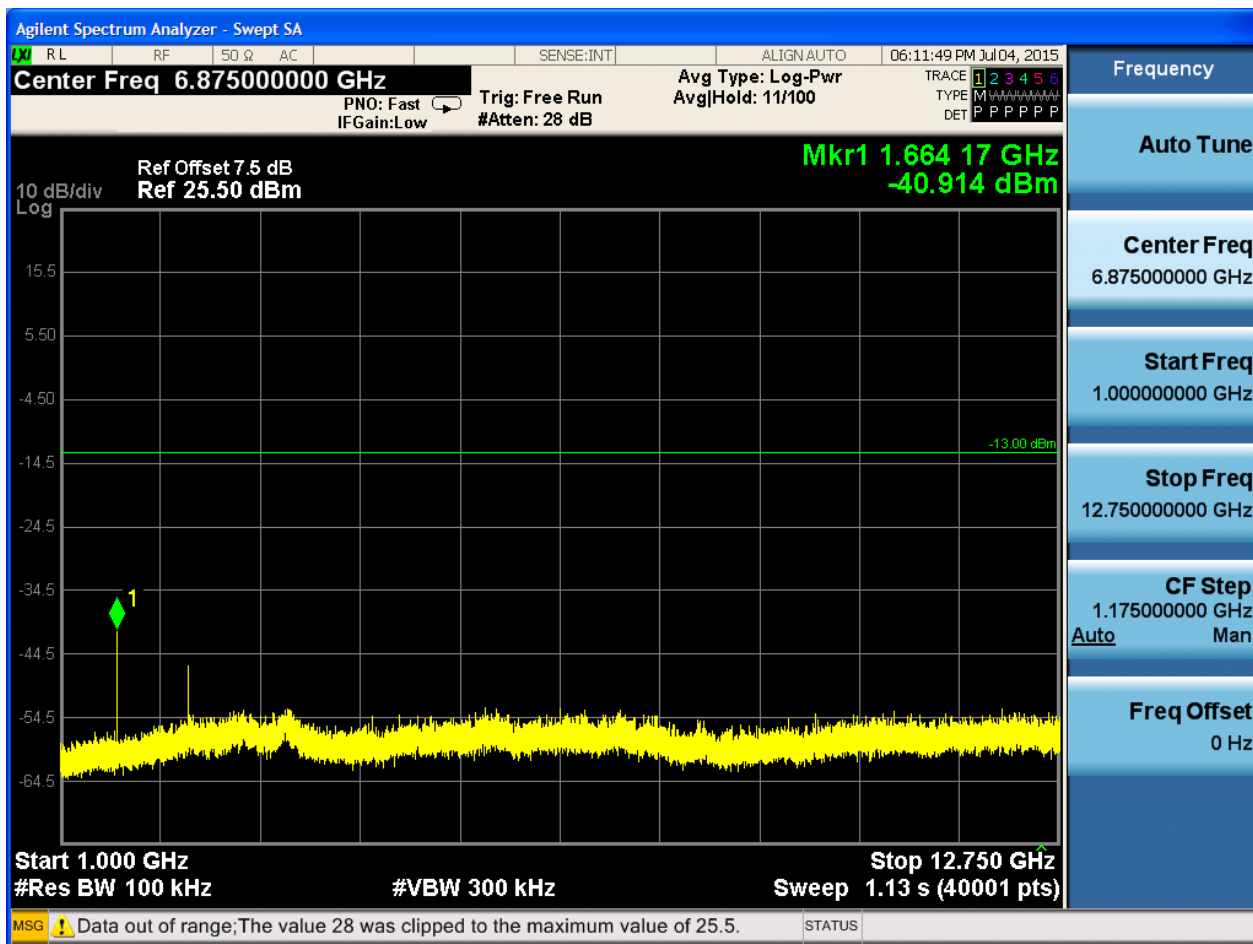
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





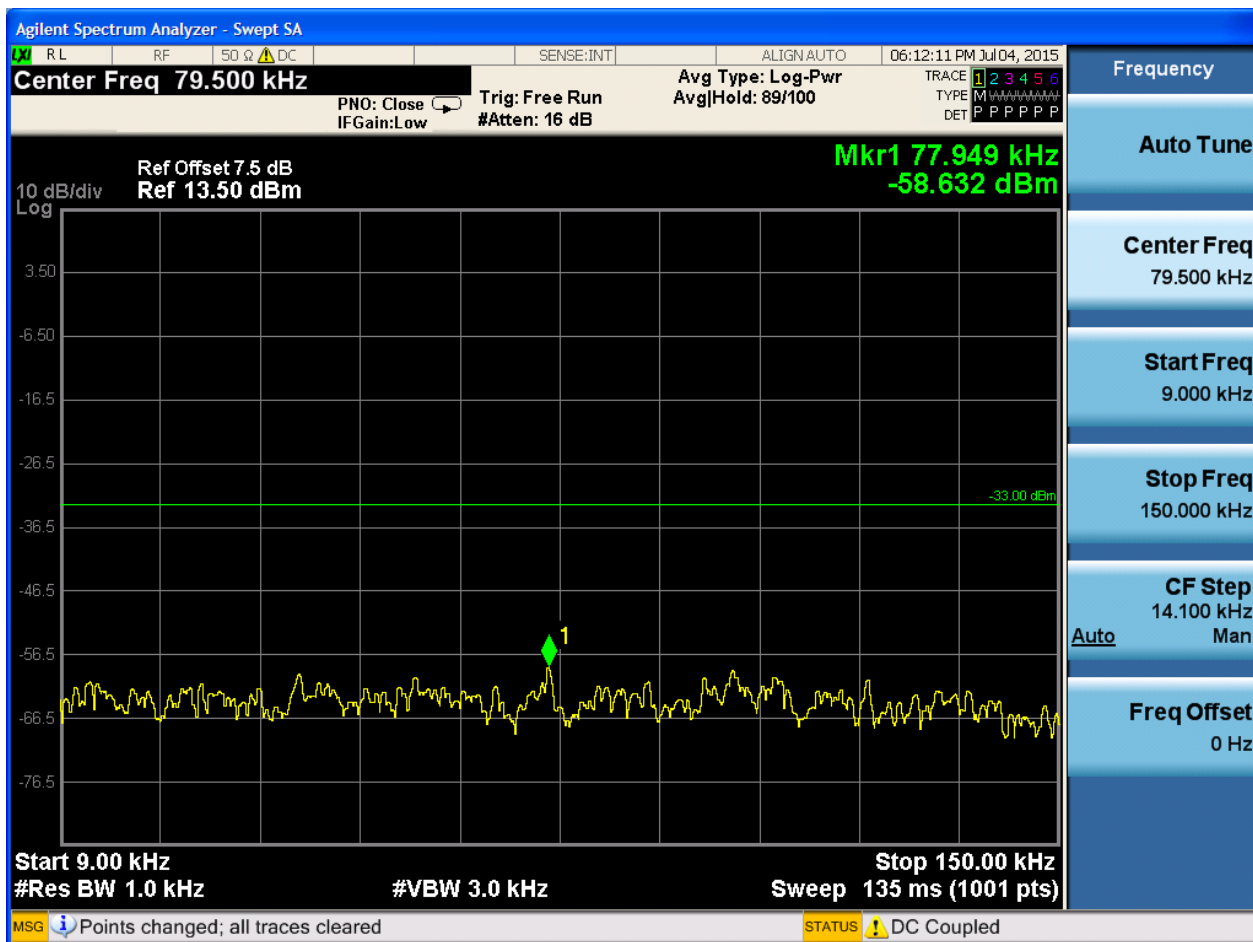


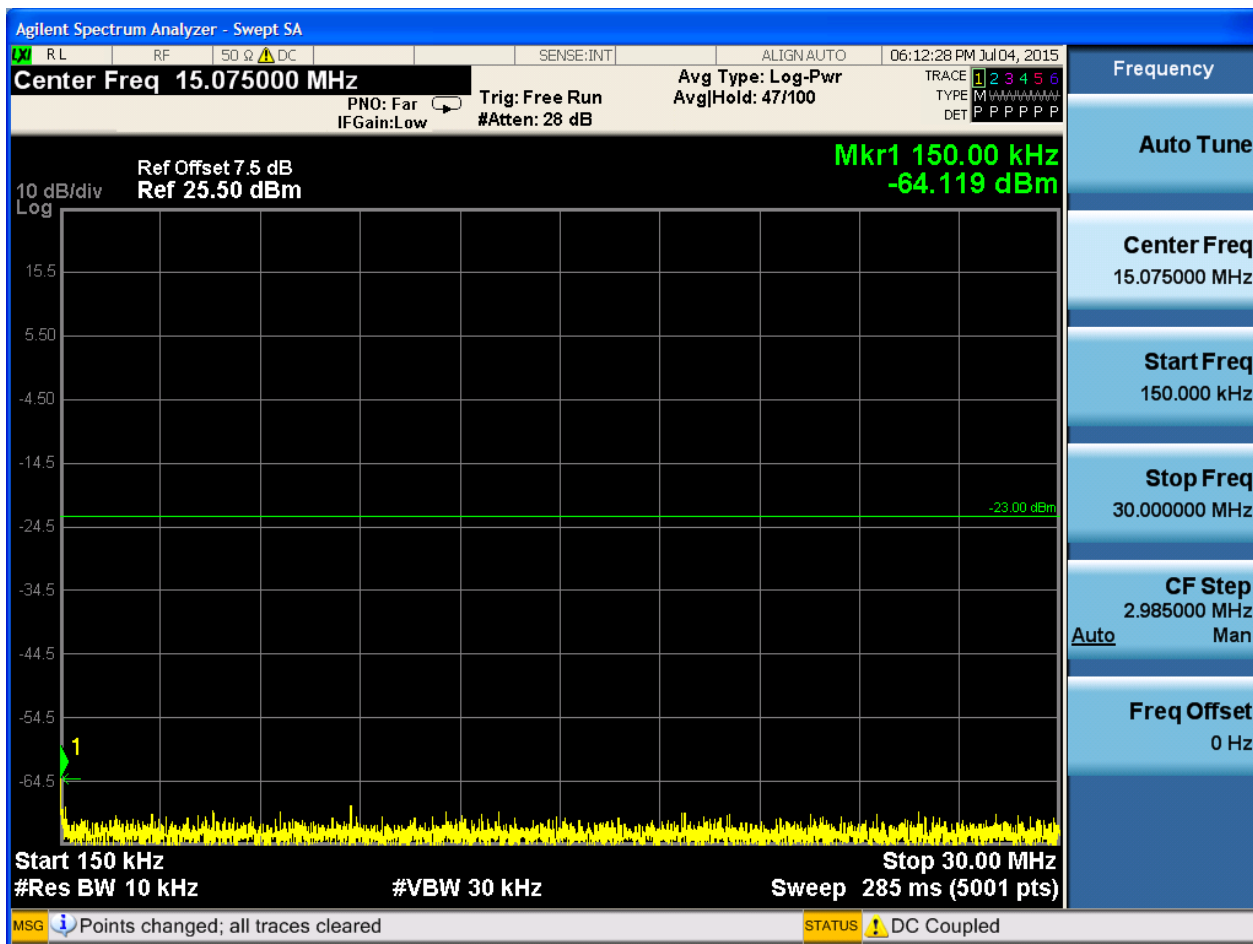


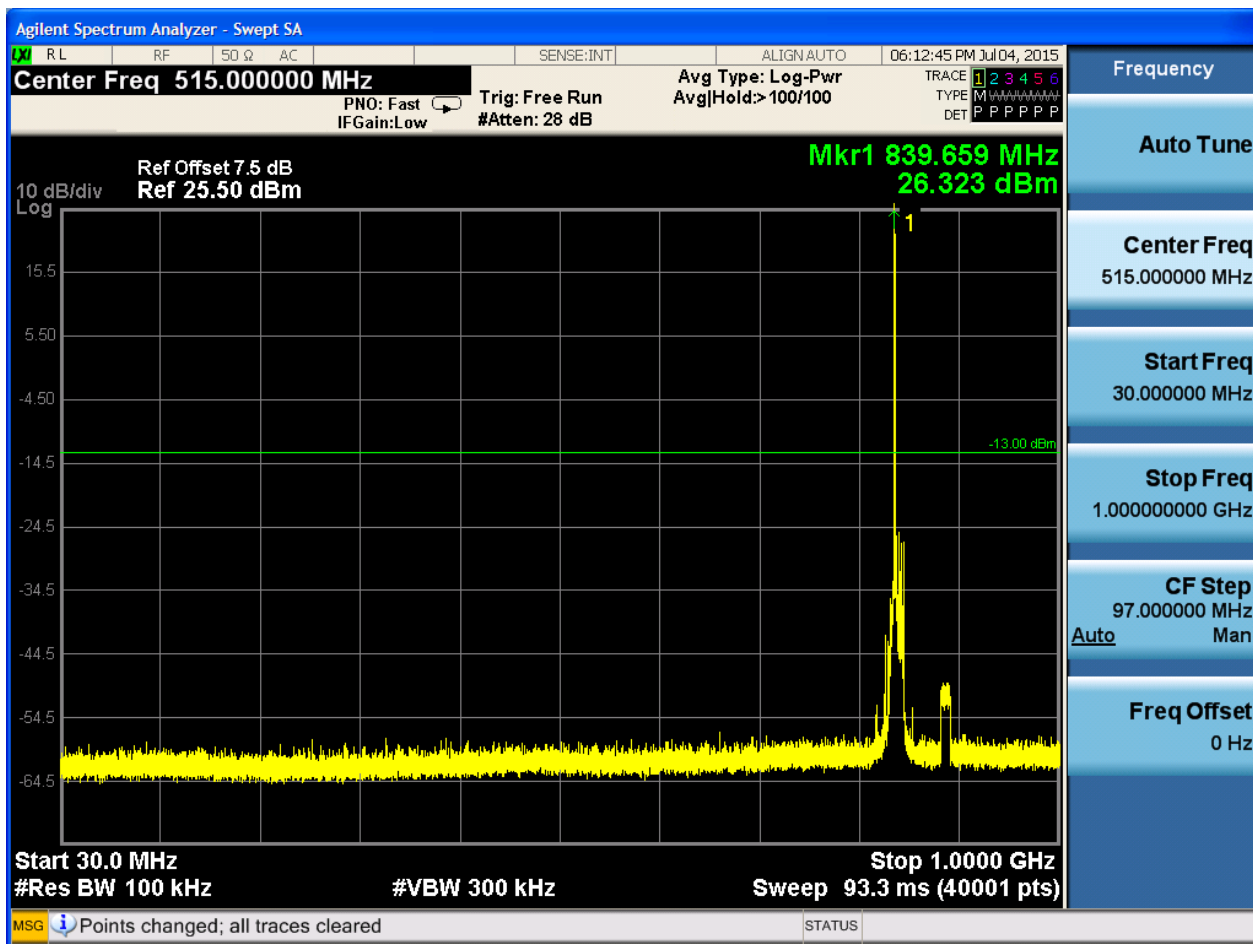


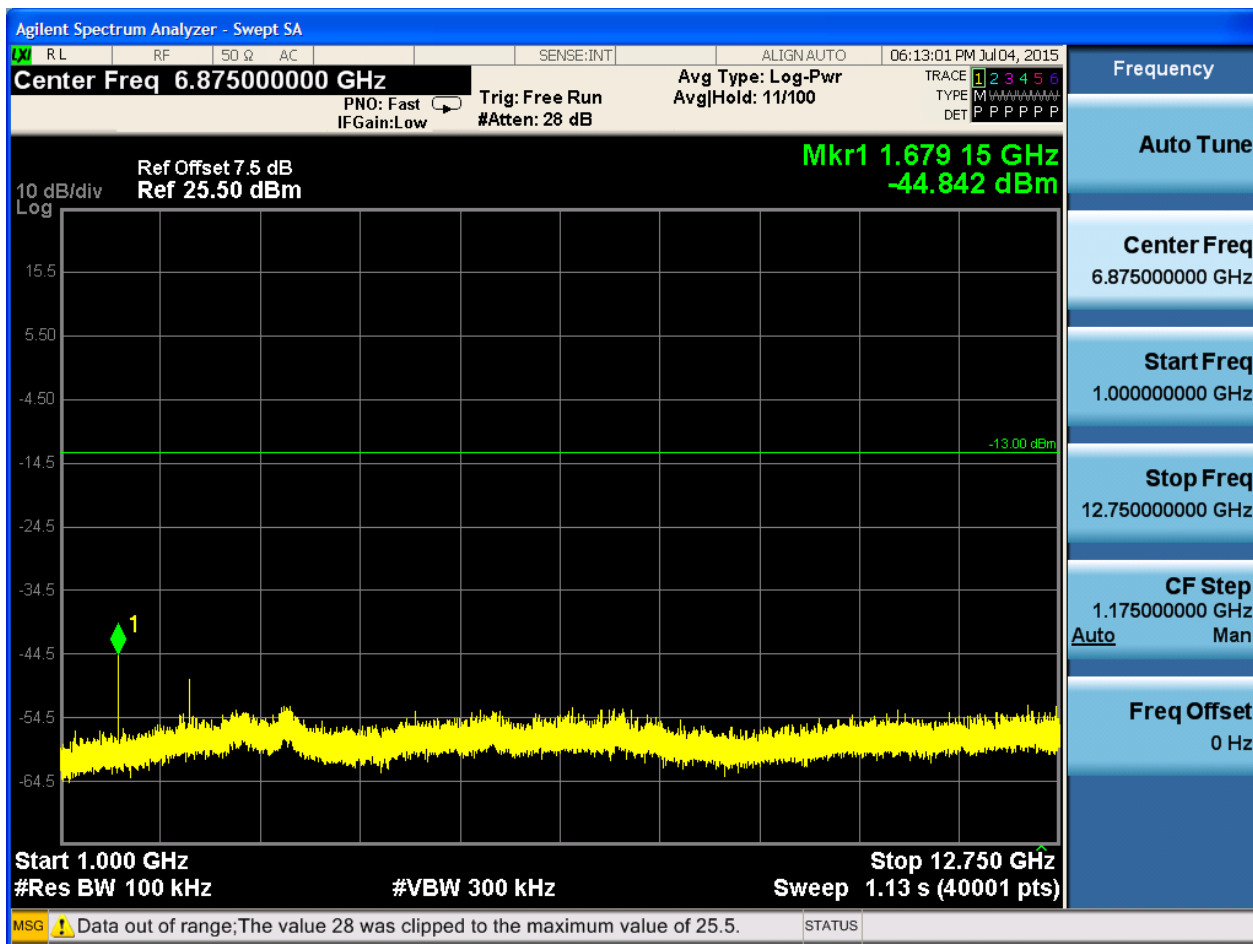
6.1.1.2.4.3 Test Channel = HCH

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”

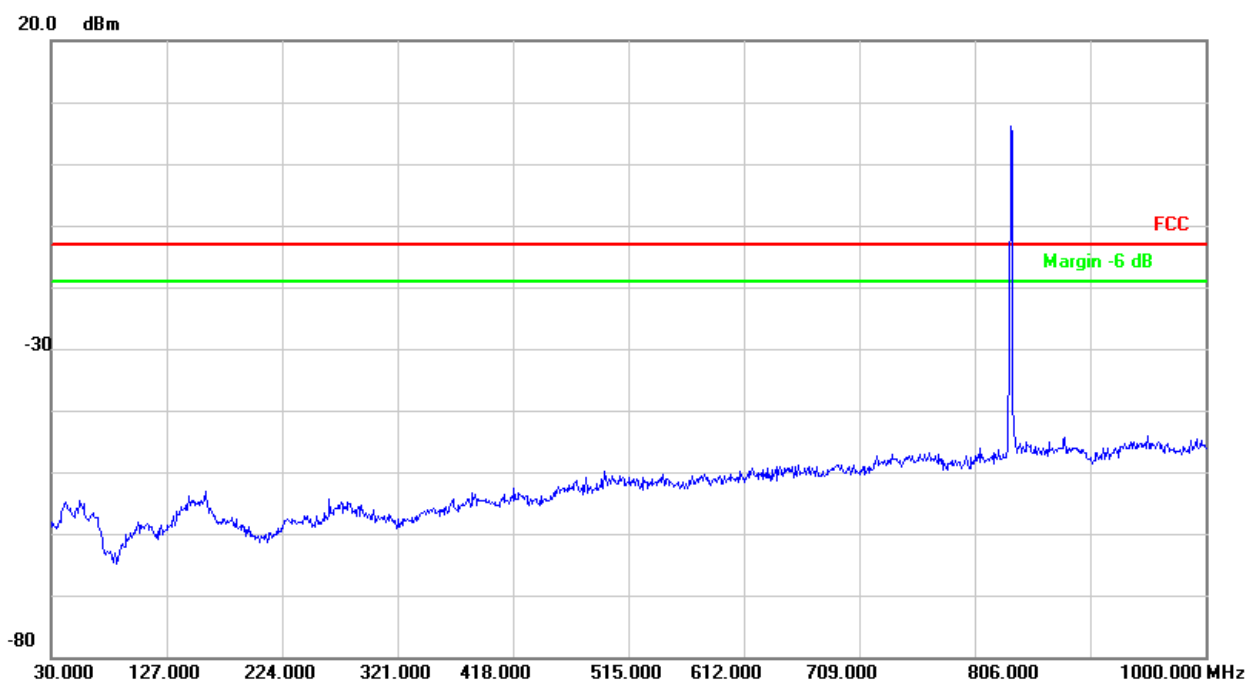
NOTE2: We tested all modes, but the data presented below is the worst case.

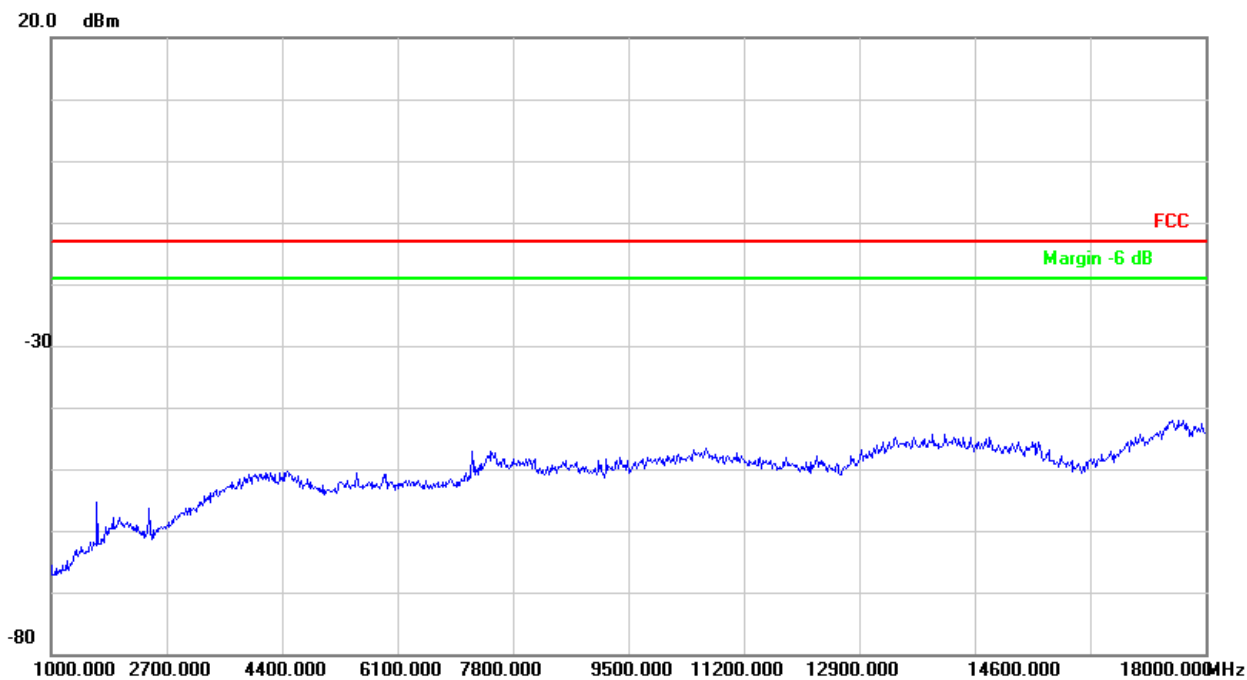
Part I - Test Plots

7.1 For LTE

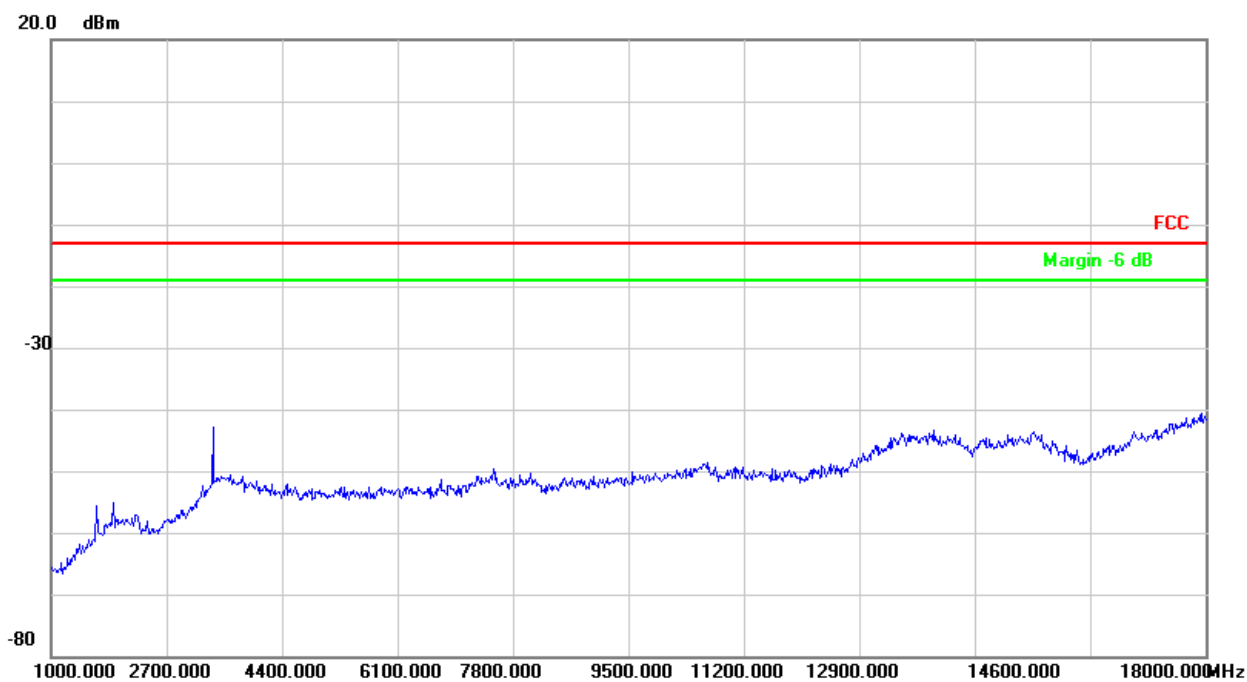
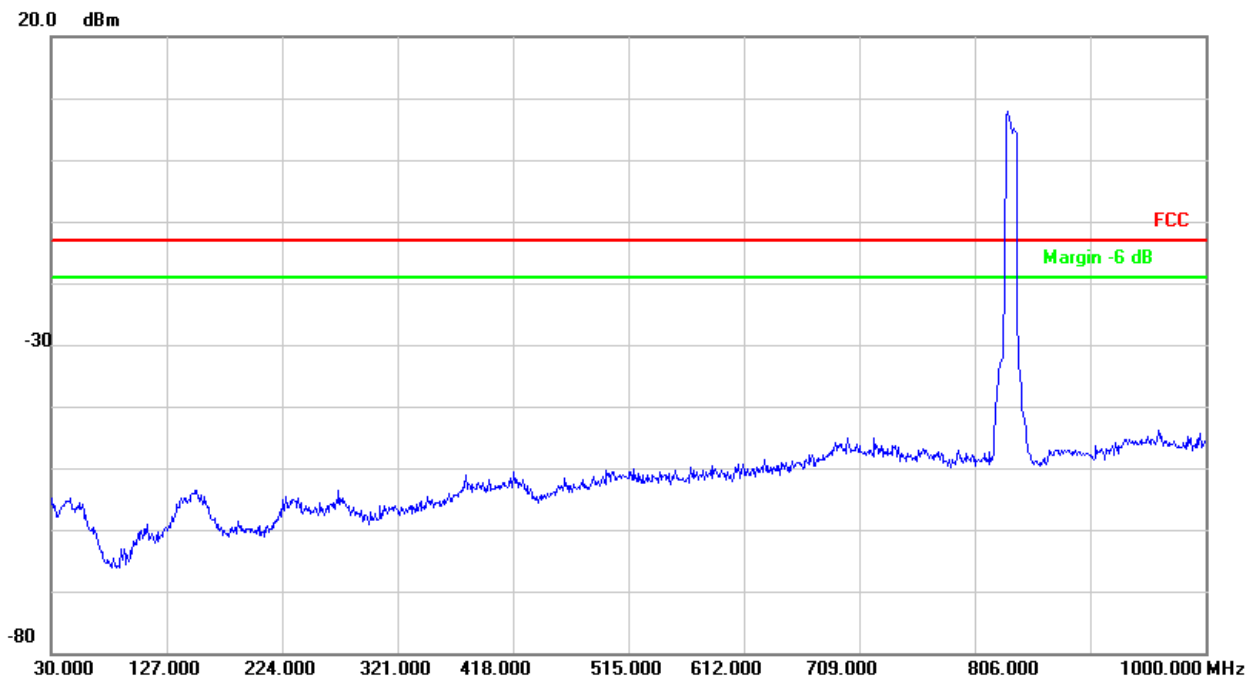
7.1.1 Test Band = BAND5

7.1.1.1 Test Bandwidth = 1.4





7.1.1.3 Test Bandwidth = 10





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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-2.17	-0.00263	PASS
					VN	-0.83	-0.00101	PASS
					VH	-2.46	-0.00298	PASS
			MCH	TN	VL	-1.4	-0.00167	PASS
					VN	-0.39	-0.00047	PASS
					VH	-0.54	-0.00065	PASS
			HCH	TN	VL	0.29	0.00034	PASS
					VN	0.43	0.00051	PASS
					VH	0.93	0.0011	PASS
		3	LCH	TN	VL	-0.56	-0.00068	PASS
					VN	-1.22	-0.00148	PASS
					VH	0.16	0.00019	PASS
			MCH	TN	VL	0.59	0.00071	PASS
					VN	-0.36	-0.00043	PASS
					VH	-1.19	-0.00142	PASS
			HCH	TN	VL	-1.52	-0.00179	PASS
					VN	-0.8	-0.00094	PASS
					VH	-0.46	-0.00054	PASS
		5	LCH	TN	VL	-6.17	-0.00747	PASS
					VN	-1.07	-0.00129	PASS
					VH	-2.07	-0.0025	PASS
			MCH	TN	VL	0.04	0.00005	PASS
					VN	-0.36	-0.00043	PASS
					VH	-1.49	-0.00178	PASS
			HCH	TN	VL	0.03	0.00004	PASS
					VN	0.64	0.00076	PASS
					VH	-1.43	-0.00169	PASS
		10	LCH	TN	VL	-0.64	-0.00077	PASS
					VN	-0.62	-0.00075	PASS
					VH	-0.49	-0.00059	PASS
			MCH	TN	VL	-1.95	-0.00233	PASS
					VN	-0.87	-0.00104	PASS
					VH	-1.59	-0.0019	PASS
			HCH	TN	VL	-0.54	-0.00064	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	-1.04	-0.00123	PASS
					VH	-0.44	-0.00052	PASS
		1.4	LCH	TN	VL	0.67	0.00081	PASS
					VN	-1.63	-0.00198	PASS
					VH	-2.29	-0.00278	PASS
					VL	-1.44	-0.00172	PASS
			MCH	TN	VN	-0.57	-0.00068	PASS
					VH	0.4	0.00048	PASS
					VL	0.11	0.00013	PASS
					VN	-1.09	-0.00128	PASS
			HCH	TN	VH	-1.33	-0.00157	PASS
					VL	-1.32	-0.0016	PASS
					VN	-0.21	-0.00025	PASS
					VH	0.62	0.00075	PASS
		3	LCH	TN	VL	0.14	0.00017	PASS
					VN	-0.31	-0.00037	PASS
					VH	-0.97	-0.00116	PASS
			MCH	TN	VL	-1.62	-0.00191	PASS
					VN	-2.12	-0.0025	PASS
					VH	-1.57	-0.00185	PASS
			HCH	TN	VL	-1.39	-0.00168	PASS
					VN	-1.4	-0.00169	PASS
					VH	-1.42	-0.00172	PASS
			MCH	TN	VL	-0.01	-0.00001	PASS
					VN	0.31	0.00037	PASS
					VH	-1.02	-0.00122	PASS
			HCH	TN	VL	-0.97	-0.00115	PASS
					VN	0.96	0.00113	PASS
					VH	-0.06	-0.00007	PASS
		10	LCH	TN	VL	-1.44	-0.00174	PASS
					VN	-1.17	-0.00141	PASS
					VH	-0.39	-0.00047	PASS
			MCH	TN	VL	-0.46	-0.00055	PASS
					VN	-1.72	-0.00206	PASS
					VH	0.06	0.00007	PASS
			HCH	TN	VL	0.33	0.00039	PASS
					VN	-1.22	-0.00145	PASS
					VH	-0.43	-0.00051	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
BAND5	LTE/TM1	1.4	LCH	VN	-30	-1.06	-0.00129	PASS
					-20	-1.4	-0.0017	PASS
					-10	-0.86	-0.00104	PASS
					0	-1.19	-0.00144	PASS
					10	-1.67	-0.00202	PASS
					20	-0.23	-0.00028	PASS
					30	-1.4	-0.0017	PASS
					40	-1.33	-0.00161	PASS
					50	-1.95	-0.00236	PASS
			MCH	VN	-30	-1.54	-0.00184	PASS
					-20	-1.79	-0.00214	PASS
					-10	-0.57	-0.00068	PASS
					0	-0.04	-0.00005	PASS
					10	0.93	0.00111	PASS
					20	-0.8	-0.00096	PASS
					30	-1.09	-0.0013	PASS
					40	-0.34	-0.00041	PASS
					50	-0.47	-0.00056	PASS
			HCH	VN	-30	-1.34	-0.00158	PASS
					-20	-2.05	-0.00242	PASS
					-10	-1.69	-0.00199	PASS
					0	-0.89	-0.00105	PASS
					10	-1.23	-0.00145	PASS
					20	-0.06	-0.00007	PASS
					30	-0.13	-0.00015	PASS
					40	-0.39	-0.00046	PASS
					50	-3.09	-0.00364	PASS
		3	LCH	VN	-30	-0.62	-0.00075	PASS
					-20	-1.22	-0.00148	PASS
					-10	0.63	0.00076	PASS
					0	-0.17	-0.00021	PASS
					10	-0.26	-0.00031	PASS
					20	-0.83	-0.00101	PASS
					30	1.32	0.0016	PASS
					40	0.59	0.00071	PASS
					50	0.37	0.00045	PASS
			MCH	VN	-30	-0.63	-0.00075	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-1.02	-0.00122	PASS
					-10	0.76	0.00091	PASS
					0	-1.19	-0.00142	PASS
					10	-0.87	-0.00104	PASS
					20	-0.63	-0.00075	PASS
					30	-0.1	-0.00012	PASS
					40	-1.4	-0.00167	PASS
					50	-0.72	-0.00086	PASS
			HCH	VN	-30	-0.56	-0.00066	PASS
					-20	-1.53	-0.00181	PASS
					-10	-2.16	-0.00255	PASS
					0	-1.65	-0.00195	PASS
					10	-2.5	-0.00295	PASS
					20	-1.43	-0.00169	PASS
					30	-1.54	-0.00182	PASS
					40	-1.22	-0.00144	PASS
					50	-2.03	-0.0024	PASS
		5	LCH	VN	-30	-3.02	-0.00365	PASS
					-20	-1.92	-0.00232	PASS
					-10	-1.52	-0.00184	PASS
					0	0.01	0.00001	PASS
					10	-2.5	-0.00302	PASS
					20	-0.06	-0.00007	PASS
					30	-1.1	-0.00133	PASS
					40	-2.3	-0.00278	PASS
					50	-2.27	-0.00275	PASS
			MCH	VN	-30	0.84	0.001	PASS
					-20	-0.33	-0.00039	PASS
					-10	-1.07	-0.00128	PASS
					0	-0.29	-0.00035	PASS
					10	-0.44	-0.00053	PASS
					20	-0.67	-0.0008	PASS
					30	-0.27	-0.00032	PASS
					40	-0.19	-0.00023	PASS
					50	0.03	0.00004	PASS
			HCH	VN	-30	0.92	0.00109	PASS
					-20	-1.5	-0.00177	PASS
					-10	-0.31	-0.00037	PASS
					0	0.97	0.00115	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.83	-0.00216	PASS
					20	-0.16	-0.00019	PASS
					30	-0.39	-0.00046	PASS
					40	-0.33	-0.00039	PASS
					50	0.2	0.00024	PASS
			LCH	VN	-30	-1.75	-0.00211	PASS
					-20	-0.9	-0.00109	PASS
					-10	-1	-0.00121	PASS
					0	-1.4	-0.00169	PASS
					10	-0.96	-0.00116	PASS
					20	0.72	0.00087	PASS
					30	-0.79	-0.00095	PASS
					40	0.04	0.00005	PASS
					50	-0.14	-0.00017	PASS
			MCH	VN	-30	-0.94	-0.00112	PASS
					-20	-0.92	-0.0011	PASS
					-10	-1.3	-0.00155	PASS
					0	-1.12	-0.00134	PASS
					10	-1.7	-0.00203	PASS
					20	-0.54	-0.00065	PASS
					30	-0.83	-0.00099	PASS
					40	-1.82	-0.00218	PASS
					50	-0.89	-0.00106	PASS
			HCH	VN	-30	-1.16	-0.00137	PASS
					-20	-1.06	-0.00126	PASS
					-10	-0.39	-0.00046	PASS
					0	-0.6	-0.00071	PASS
					10	-1.17	-0.00139	PASS
					20	-1.39	-0.00165	PASS
					30	-0.33	-0.00039	PASS
					40	-1	-0.00118	PASS
					50	-0.5	-0.00059	PASS
	LTE/TM2	1.4	LCH	VN	-30	-2.62	-0.00318	PASS
					-20	-2.6	-0.00315	PASS
					-10	-1.13	-0.00137	PASS
					0	-1.65	-0.002	PASS
					10	-2.45	-0.00297	PASS
					20	-4.23	-0.00513	PASS
					30	-2.02	-0.00245	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.05	-0.00249	PASS
					50	-3.39	-0.00411	PASS
			MCH	VN	-30	-3.18	-0.0038	PASS
					-20	-0.37	-0.00044	PASS
					-10	-2.42	-0.00289	PASS
					0	0.07	0.00008	PASS
					10	-1.4	-0.00167	PASS
					20	-1.99	-0.00238	PASS
					30	-0.89	-0.00106	PASS
					40	-1.83	-0.00219	PASS
					50	-1.24	-0.00148	PASS
			HCH	VN	-30	-0.77	-0.00091	PASS
					-20	-1.73	-0.00204	PASS
					-10	-1.2	-0.00141	PASS
					0	-0.1	-0.00012	PASS
					10	-0.46	-0.00054	PASS
					20	-0.63	-0.00074	PASS
					30	-0.9	-0.00106	PASS
					40	-1.67	-0.00197	PASS
					50	0.29	0.00034	PASS
		3	LCH	VN	-30	-1.83	-0.00222	PASS
					-20	-0.27	-0.00033	PASS
					-10	-1.19	-0.00144	PASS
					0	-1.69	-0.00205	PASS
					10	1.14	0.00138	PASS
					20	-1.59	-0.00193	PASS
					30	-0.8	-0.00097	PASS
					40	-0.44	-0.00053	PASS
					50	-0.13	-0.00016	PASS
			MCH	VN	-30	-0.43	-0.00051	PASS
					-20	0.1	0.00012	PASS
					-10	-1.14	-0.00136	PASS
					0	-2.15	-0.00257	PASS
					10	-2.03	-0.00243	PASS
					20	-1.04	-0.00124	PASS
					30	-0.49	-0.00059	PASS
					40	-1.17	-0.0014	PASS
					50	0.24	0.00029	PASS
			HCH	VN	-30	-1.93	-0.00228	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-1.69	-0.00199	PASS
					-10	-1.76	-0.00208	PASS
					0	-2.56	-0.00302	PASS
					10	-0.83	-0.00098	PASS
					20	-2.57	-0.00303	PASS
					30	-2.37	-0.0028	PASS
					40	-2.82	-0.00333	PASS
					50	-3.48	-0.00411	PASS
		5	LCH	VN	-30	-1.52	-0.00184	PASS
					-20	-1.3	-0.00157	PASS
					-10	-1.83	-0.00221	PASS
					0	-2.26	-0.00273	PASS
					10	-0.89	-0.00108	PASS
					20	-1.23	-0.00149	PASS
					30	-0.17	-0.00021	PASS
					40	-1.75	-0.00212	PASS
					50	-2.16	-0.00261	PASS
			MCH	VN	-30	-1.63	-0.00195	PASS
					-20	-0.7	-0.00084	PASS
					-10	-0.53	-0.00063	PASS
					0	-0.17	-0.0002	PASS
					10	-1.02	-0.00122	PASS
					20	-1.8	-0.00215	PASS
					30	-0.44	-0.00053	PASS
					40	-0.54	-0.00065	PASS
					50	-0.37	-0.00044	PASS
			HCH	VN	-30	-0.47	-0.00056	PASS
					-20	-0.63	-0.00074	PASS
					-10	-1.26	-0.00149	PASS
					0	-0.21	-0.00025	PASS
					10	-0.72	-0.00085	PASS
					20	-0.37	-0.00044	PASS
					30	-0.66	-0.00078	PASS
					40	-0.76	-0.0009	PASS
					50	-0.4	-0.00047	PASS
		10	LCH	VN	-30	-1.54	-0.00186	PASS
					-20	-2.15	-0.00259	PASS
					-10	-2.23	-0.00269	PASS
					0	-1.03	-0.00124	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-0.99	-0.00119	PASS
					20	-0.87	-0.00105	PASS
					30	-2.03	-0.00245	PASS
					40	-1.62	-0.00195	PASS
					50	-1.53	-0.00185	PASS
			MCH	VN	-30	-1.8	-0.00215	PASS
					-20	-1.27	-0.00152	PASS
					-10	-2.69	-0.00322	PASS
					0	-1.29	-0.00154	PASS
					10	-1.46	-0.00175	PASS
					20	-1.19	-0.00142	PASS
					30	-1.2	-0.00143	PASS
					40	-1.24	-0.00148	PASS
					50	-1.16	-0.00139	PASS
			HCH	VN	-30	-0.73	-0.00086	PASS
					-20	-1.99	-0.00236	PASS
					-10	-0.4	-0.00047	PASS
					0	-0.74	-0.00088	PASS
					10	-0.53	-0.00063	PASS
					20	-1.14	-0.00135	PASS
					30	-0.06	-0.00007	PASS
					40	-0.4	-0.00047	PASS
					50	-1	-0.00118	PASS

END