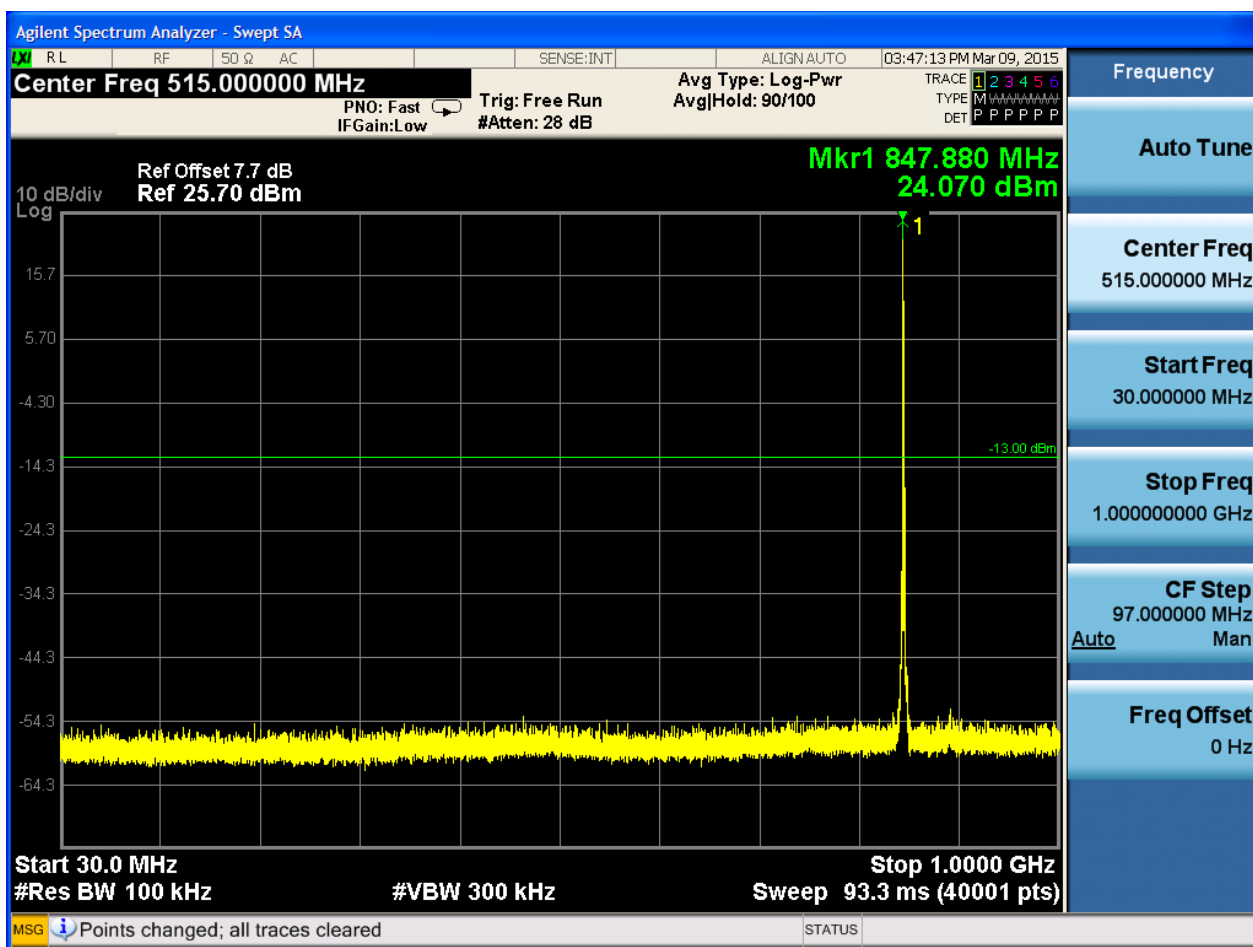
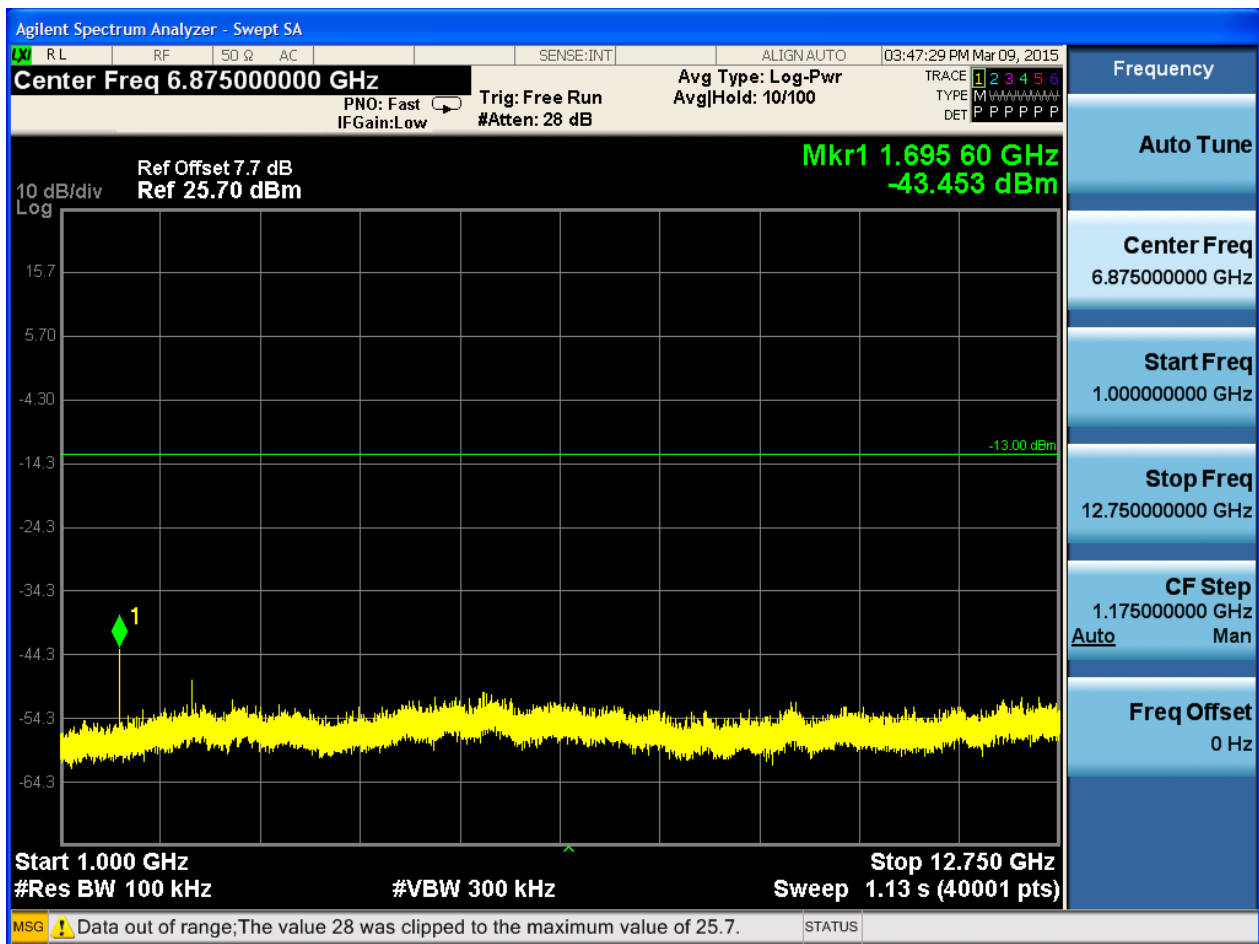


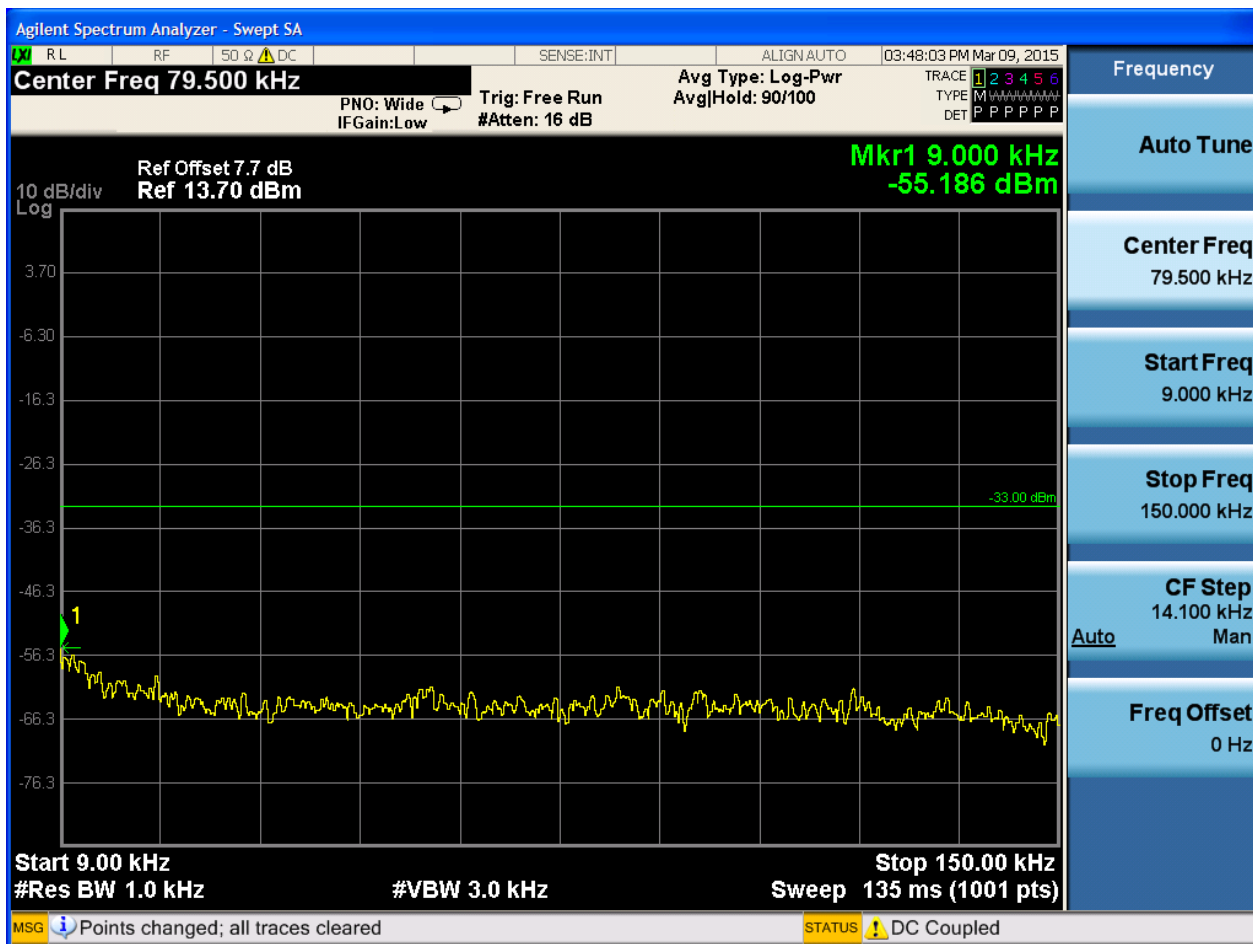


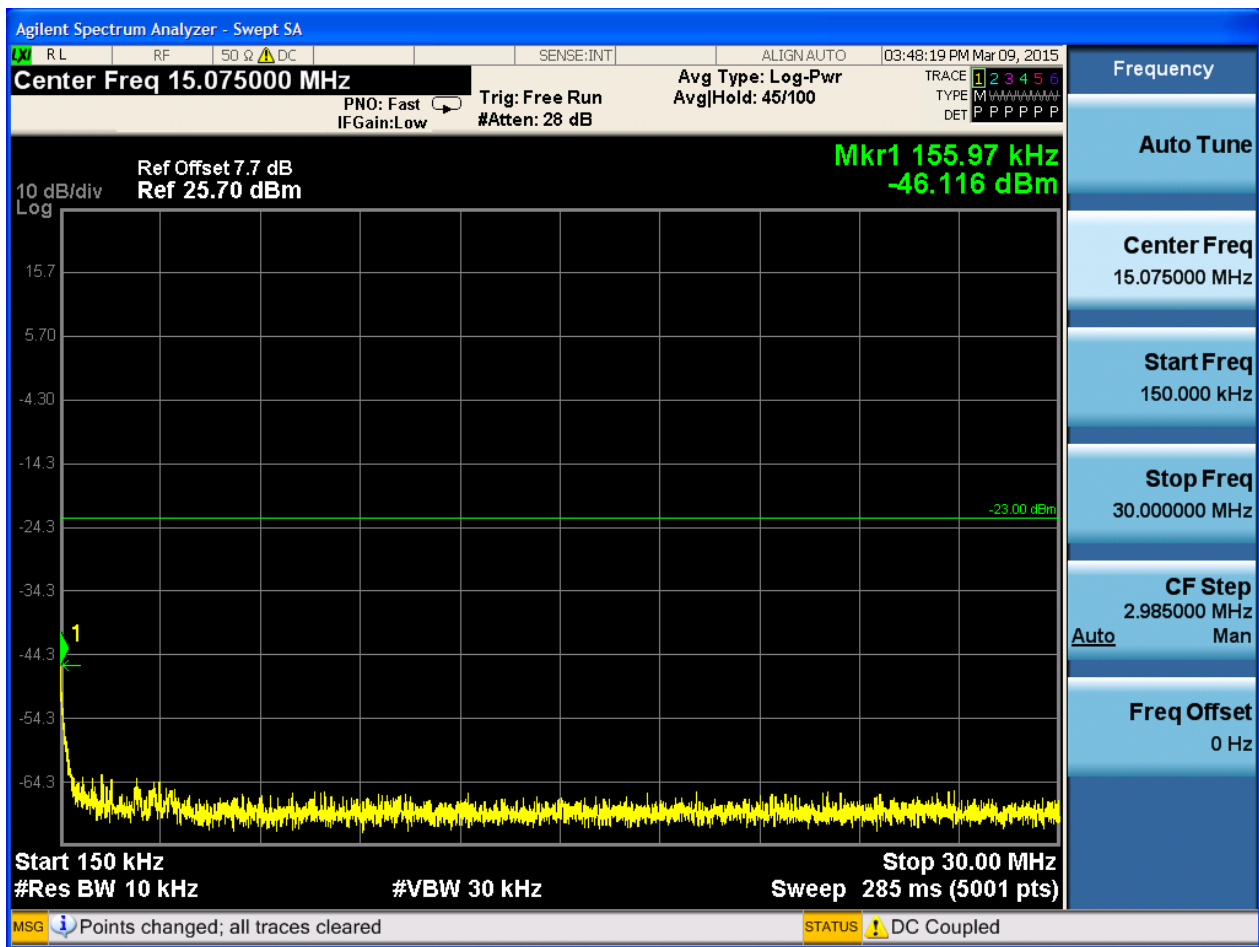


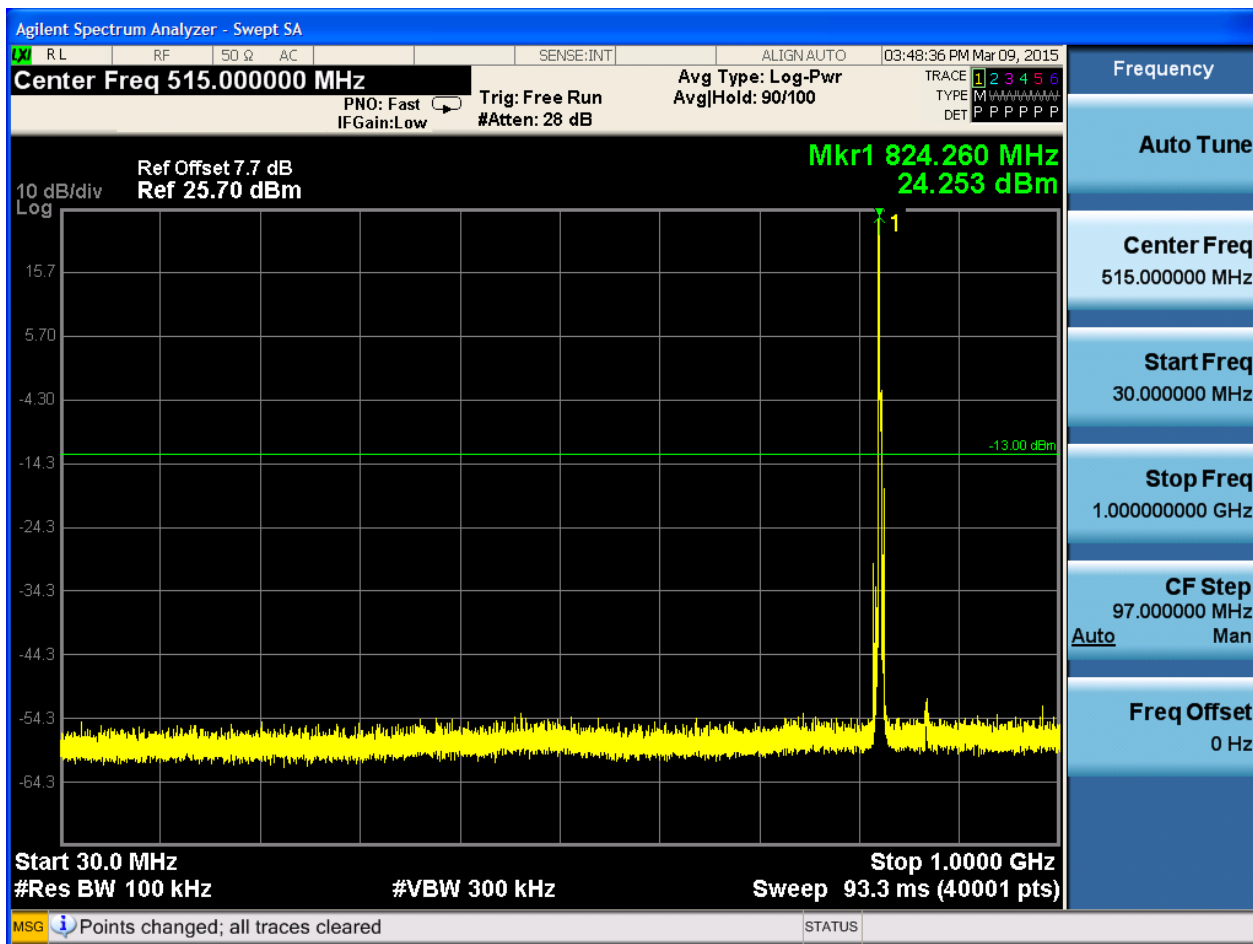
6.1.1.1.2 Test Bandwidth = 3

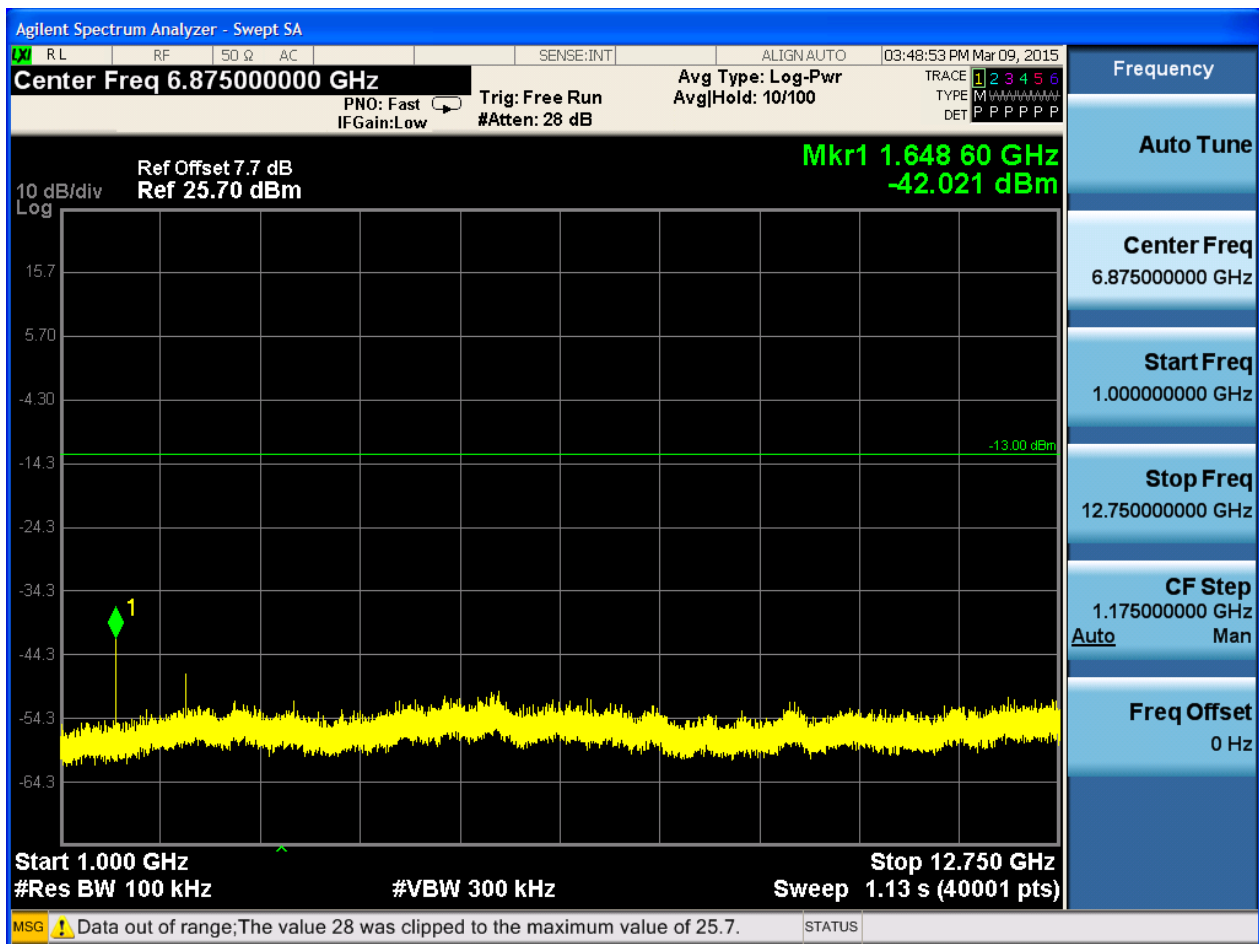
6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





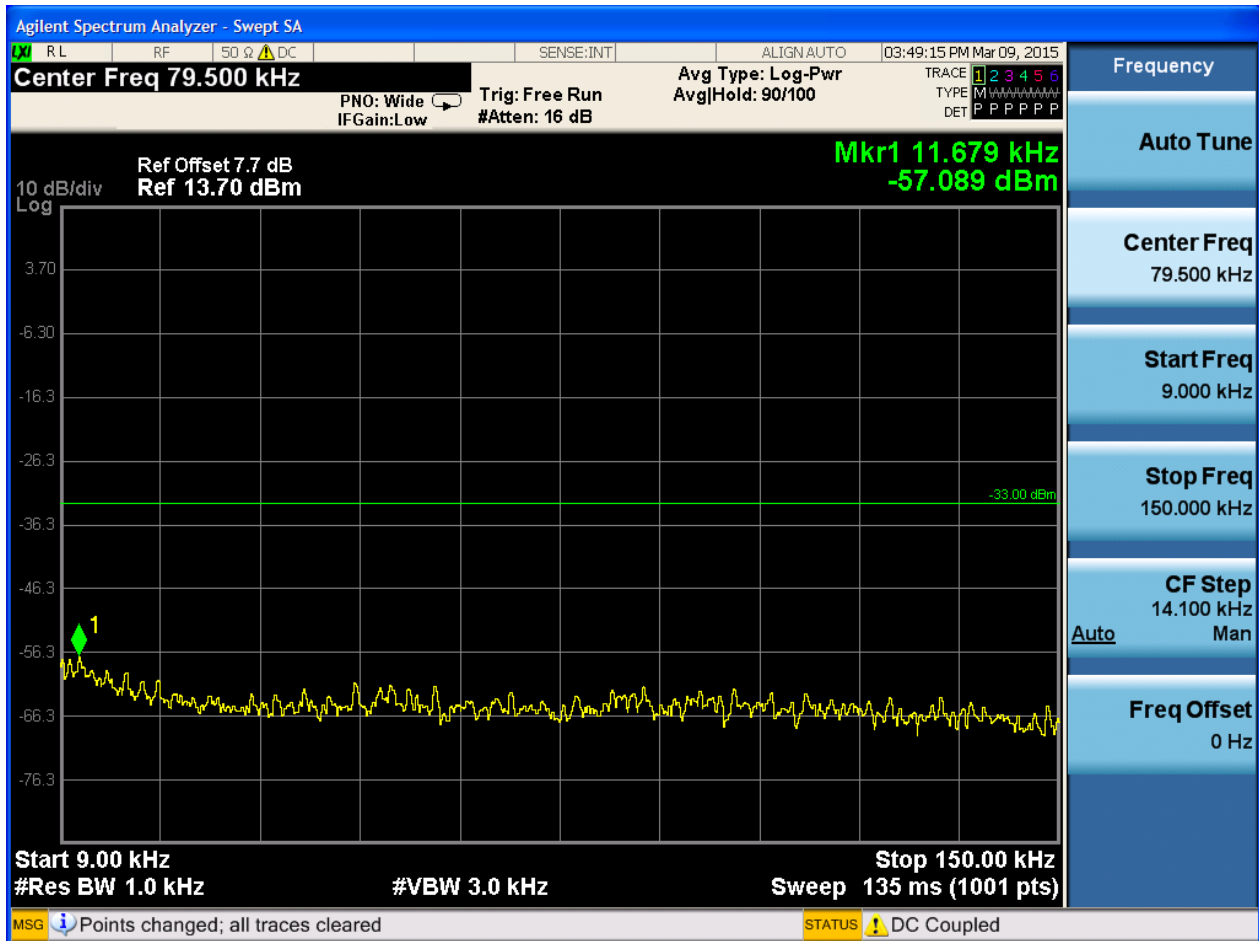


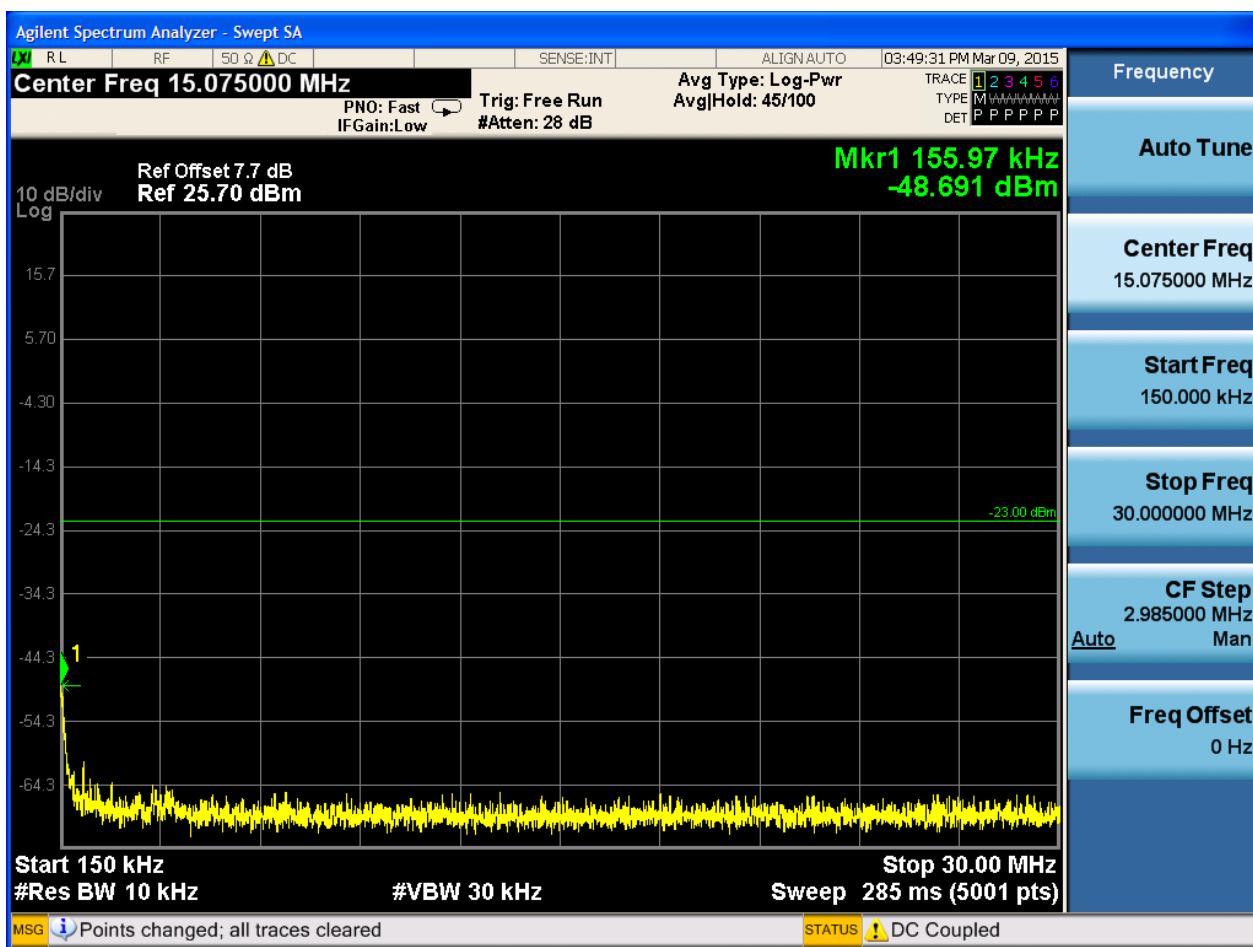


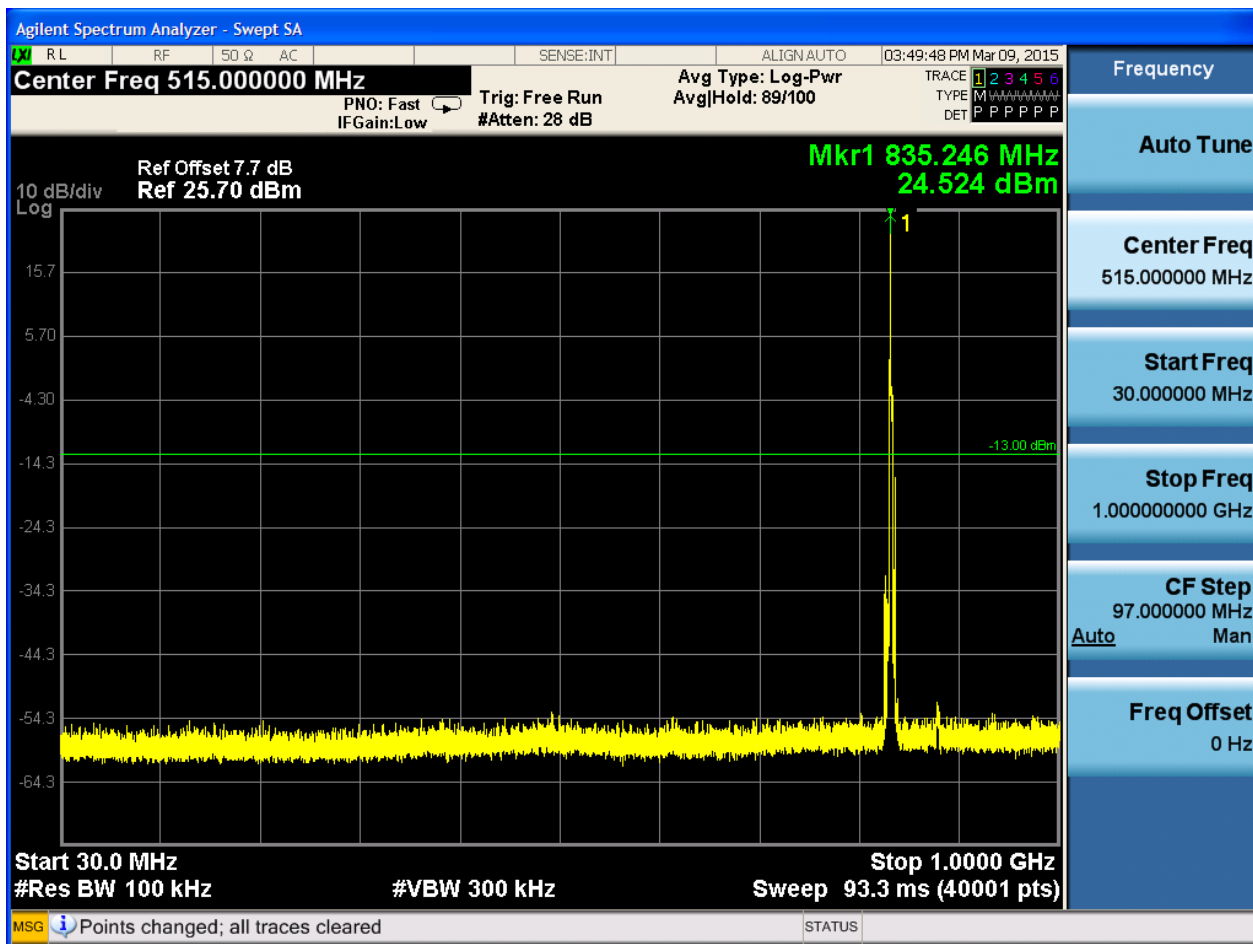


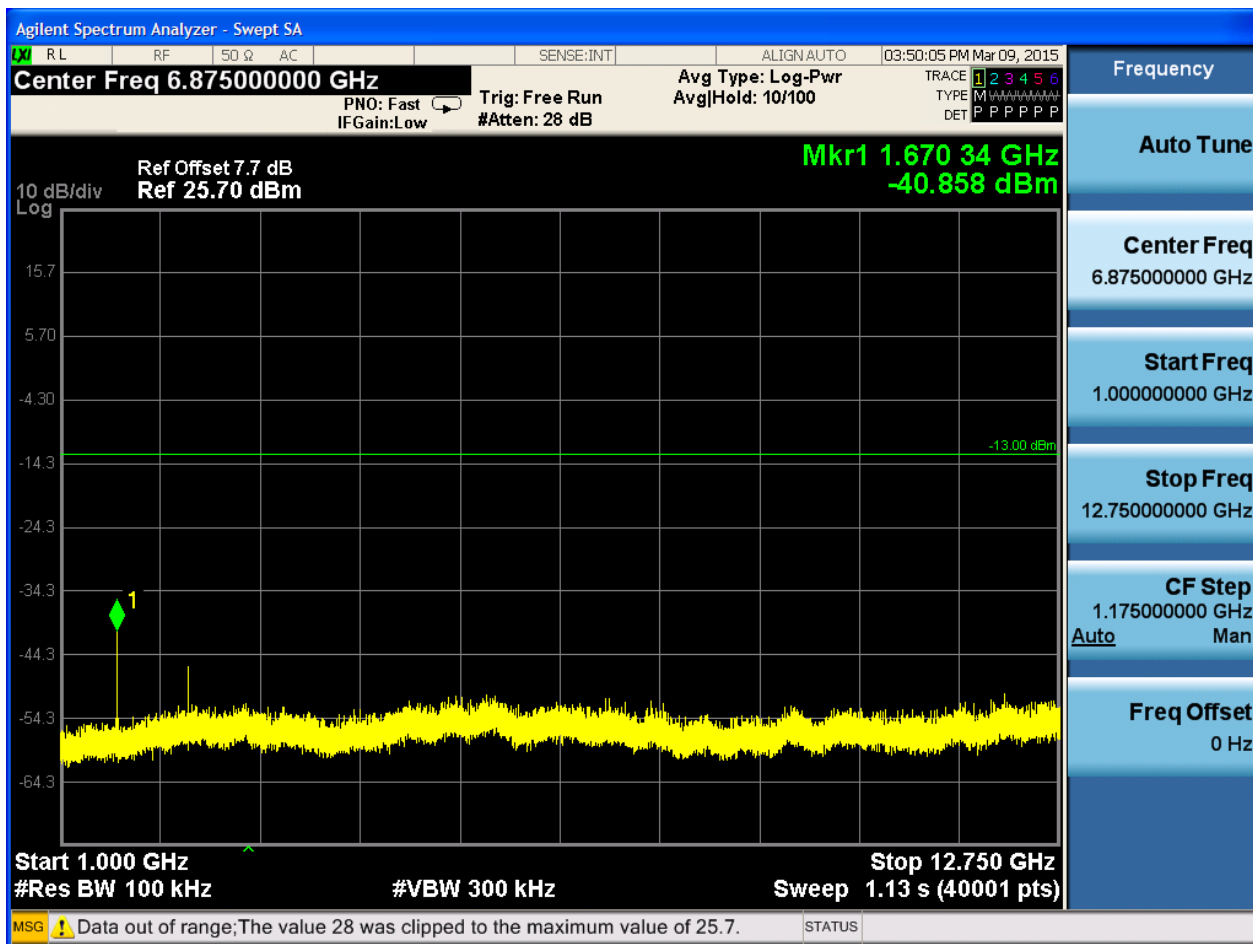
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





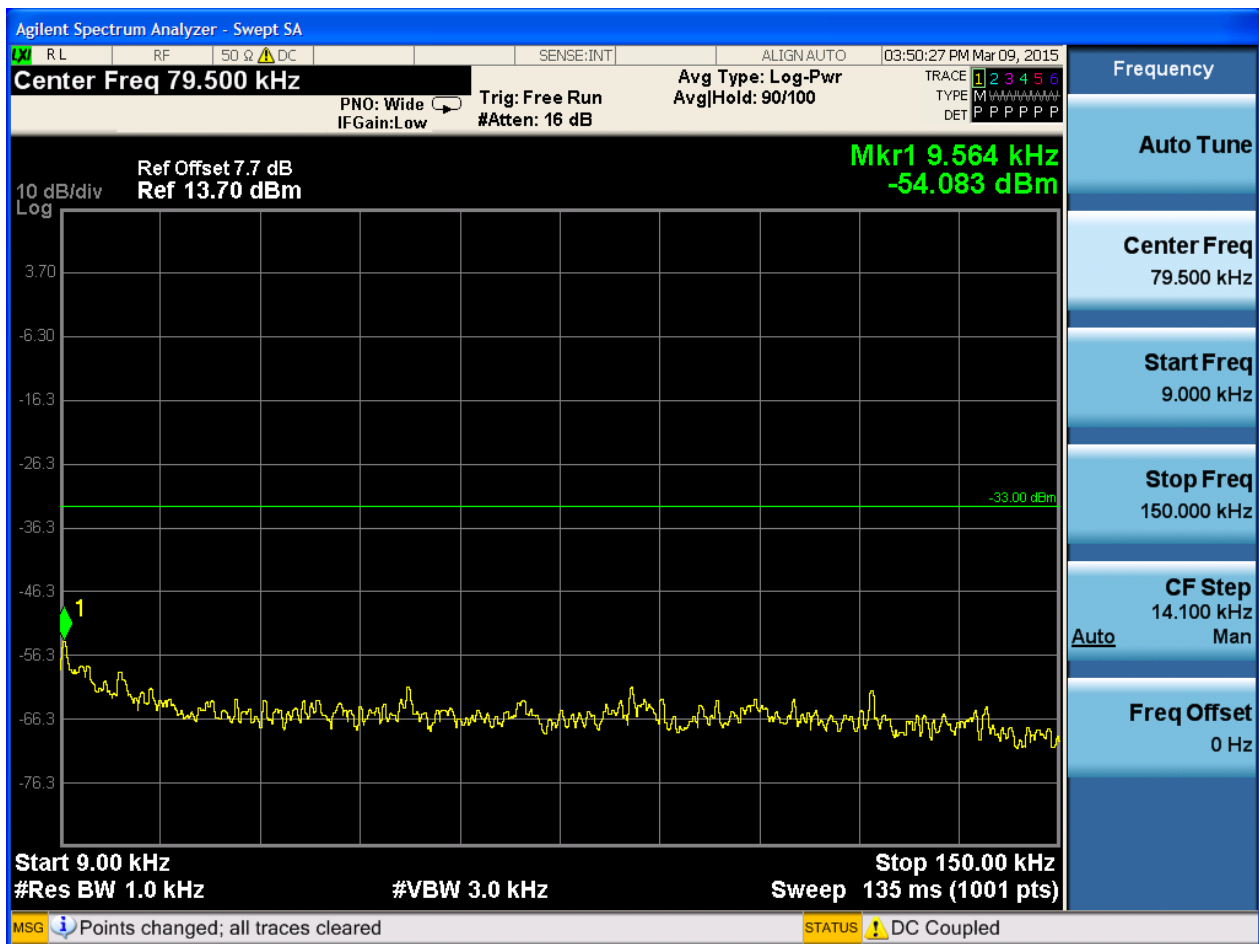


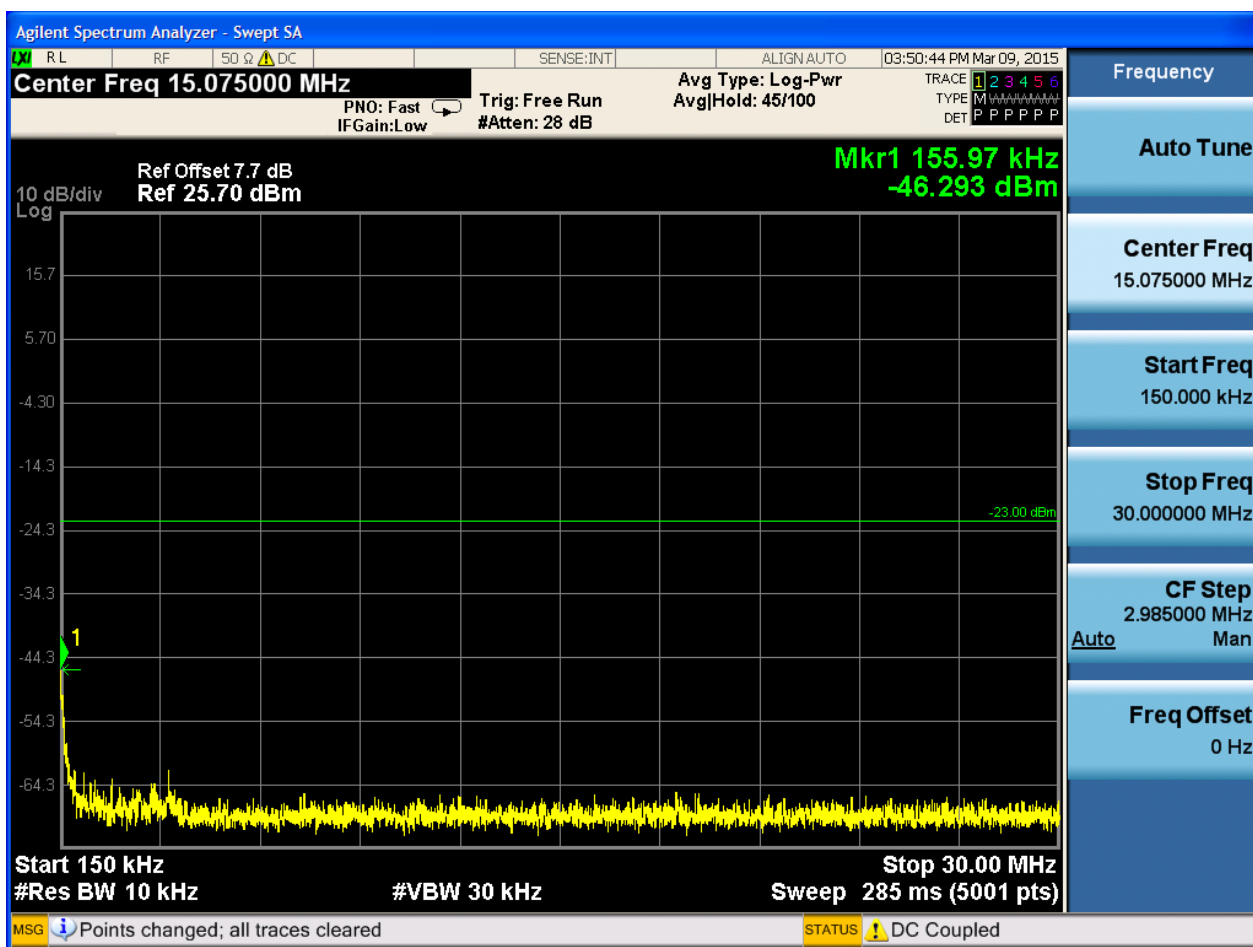


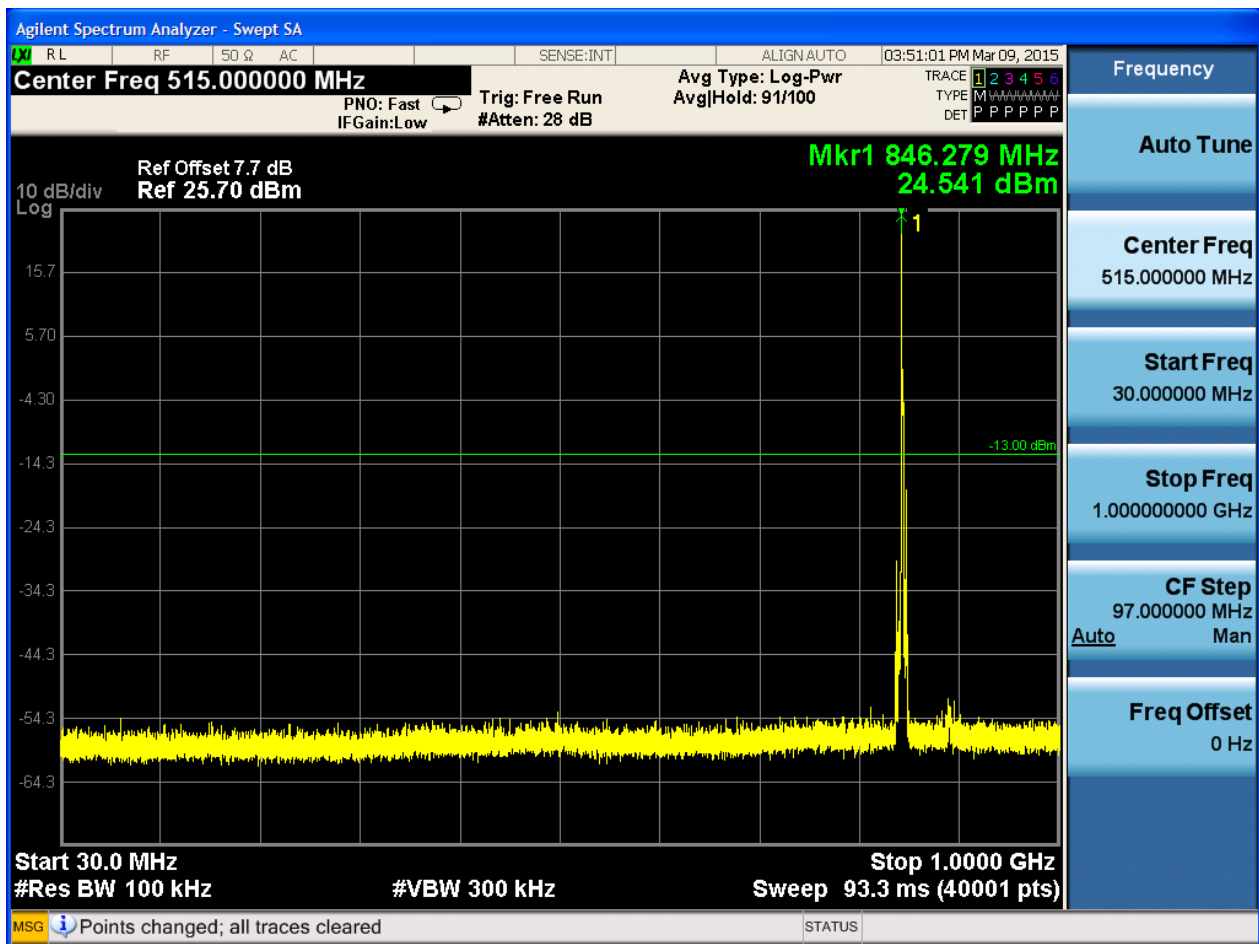


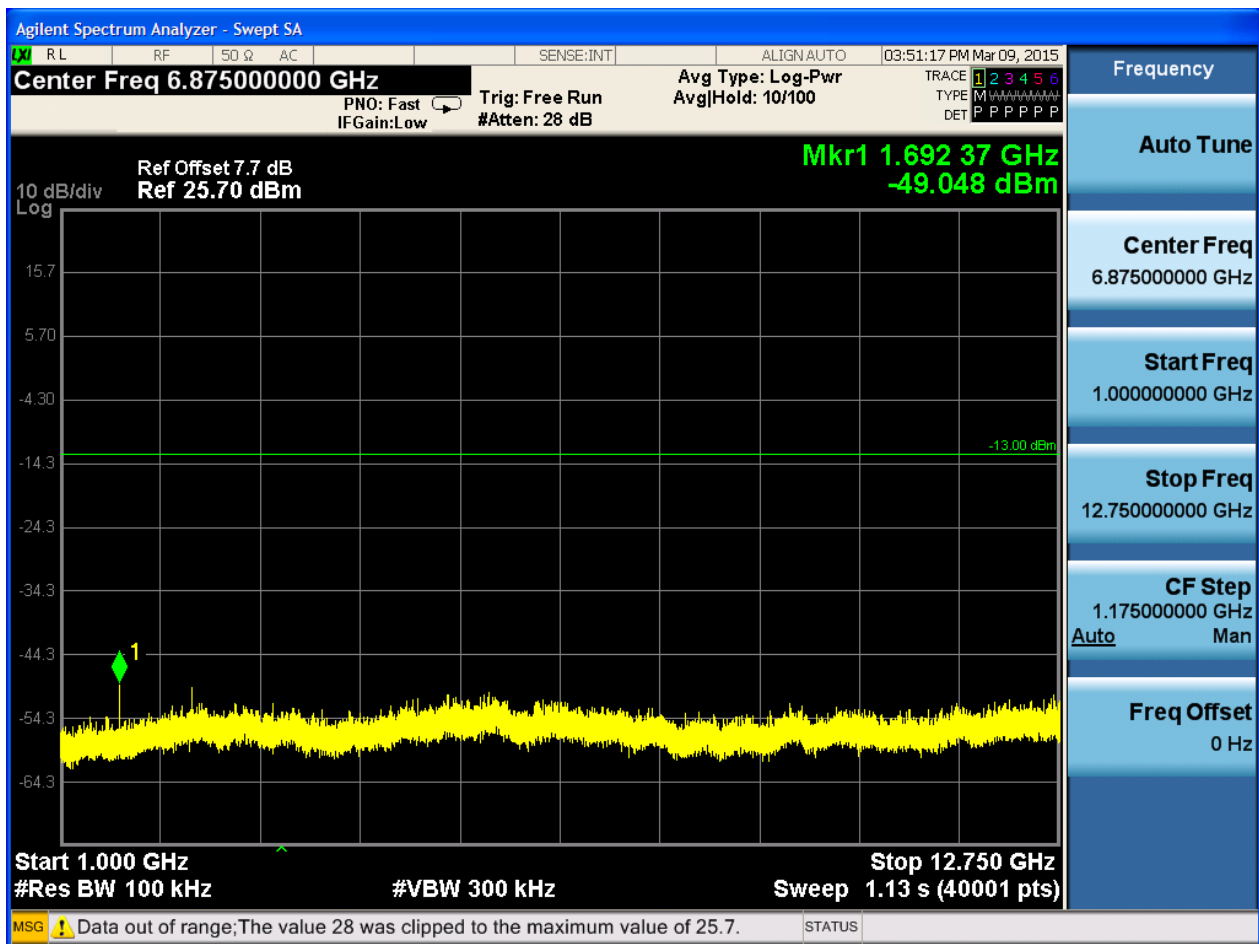
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





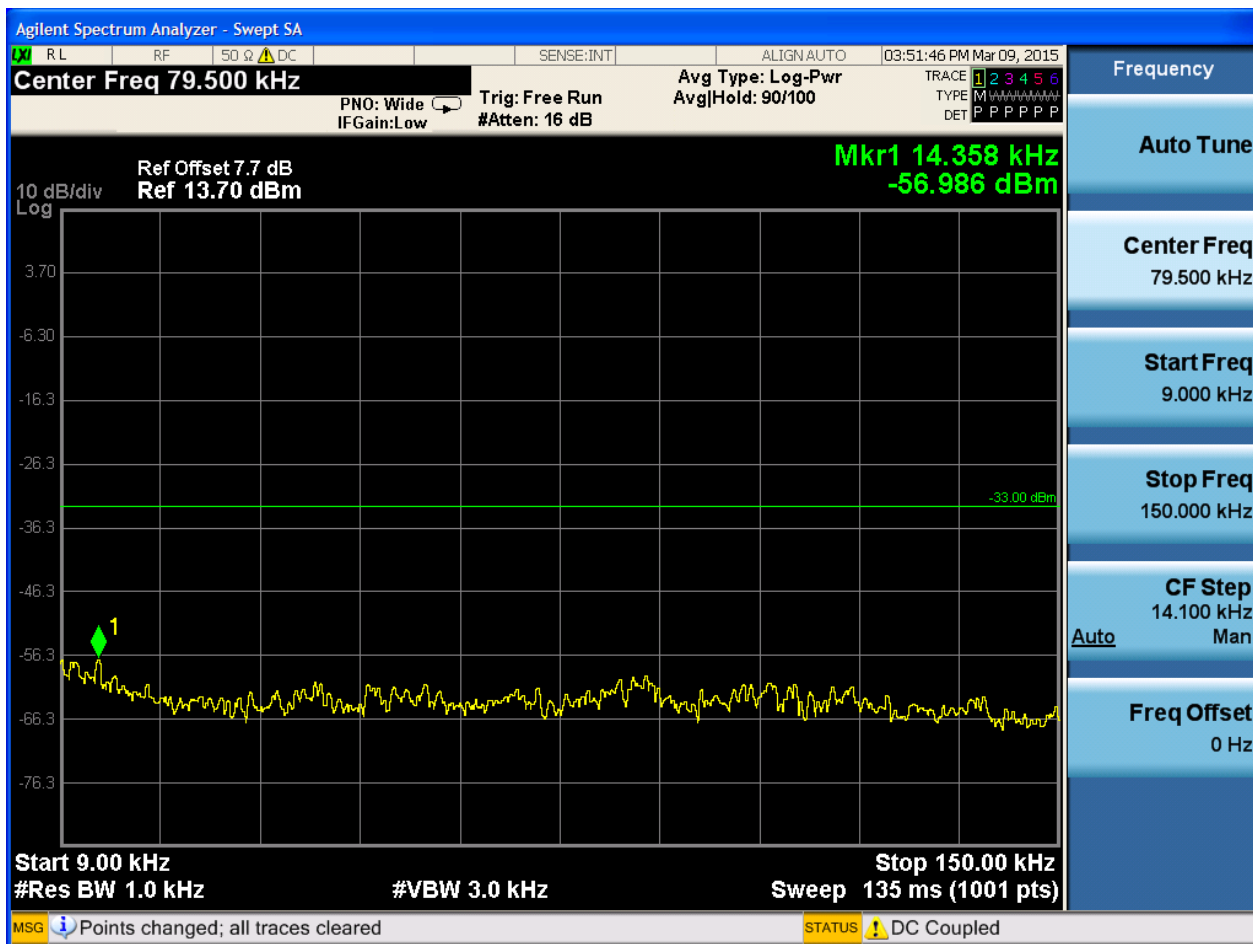




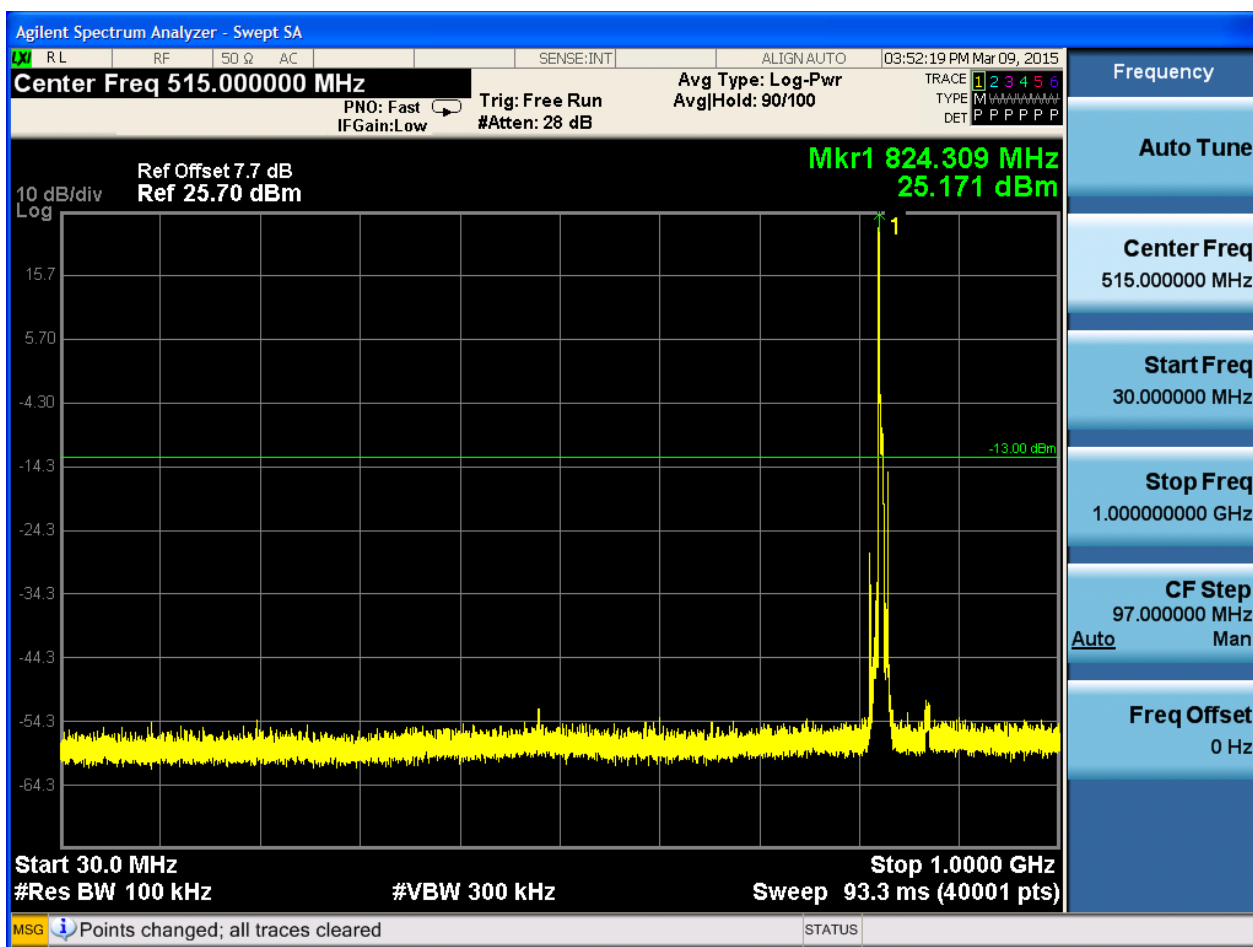
6.1.1.1.3 Test Bandwidth = 5

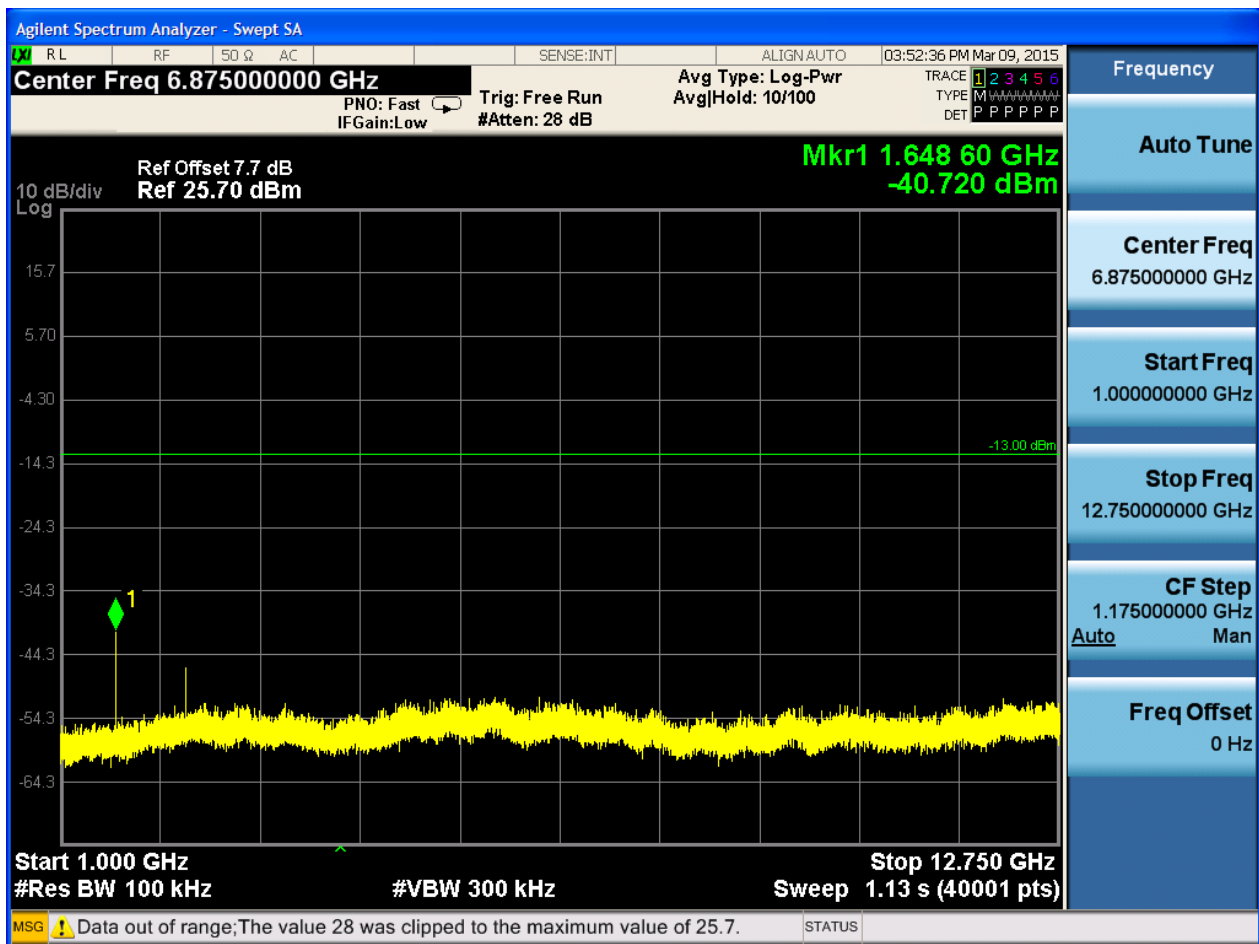
6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





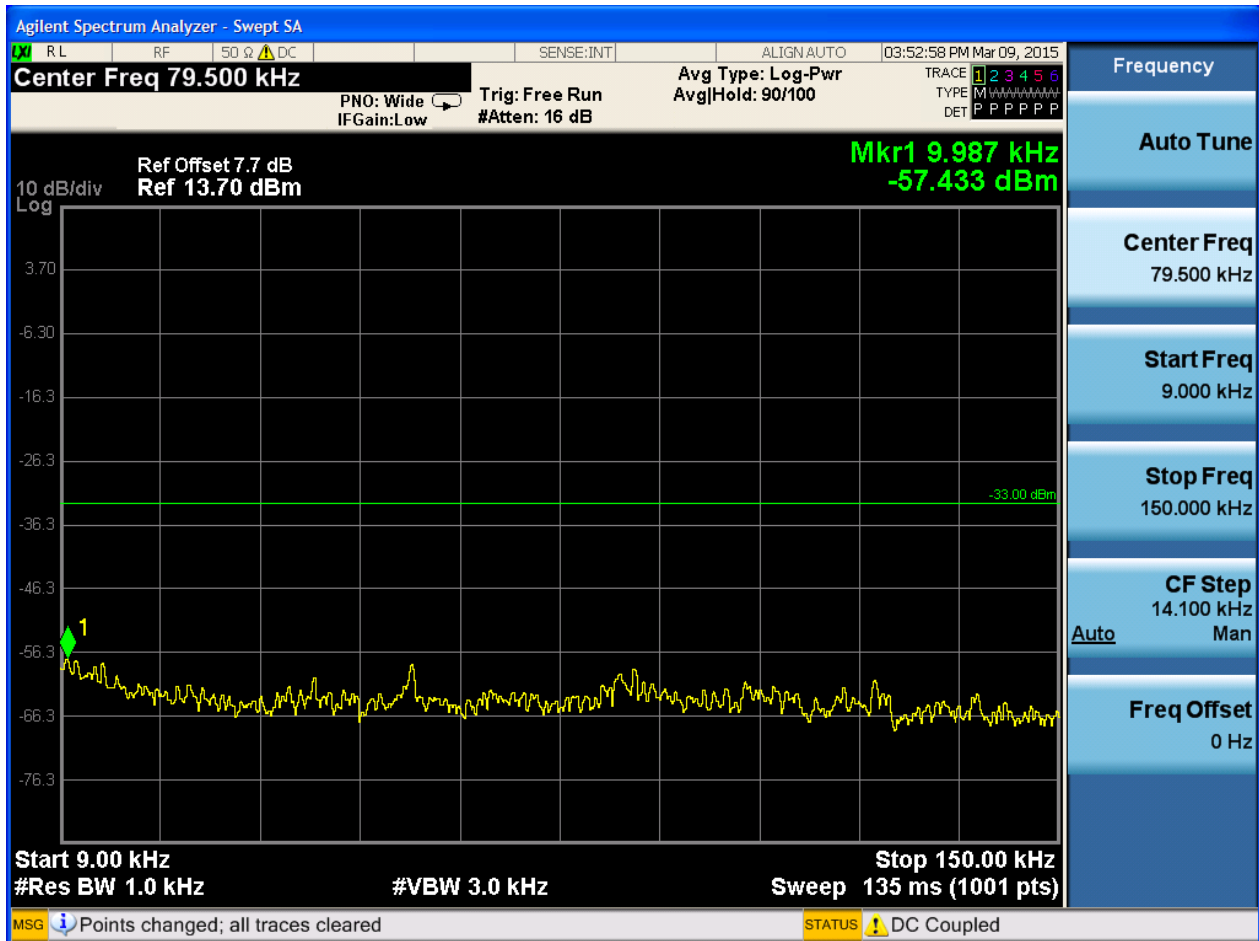


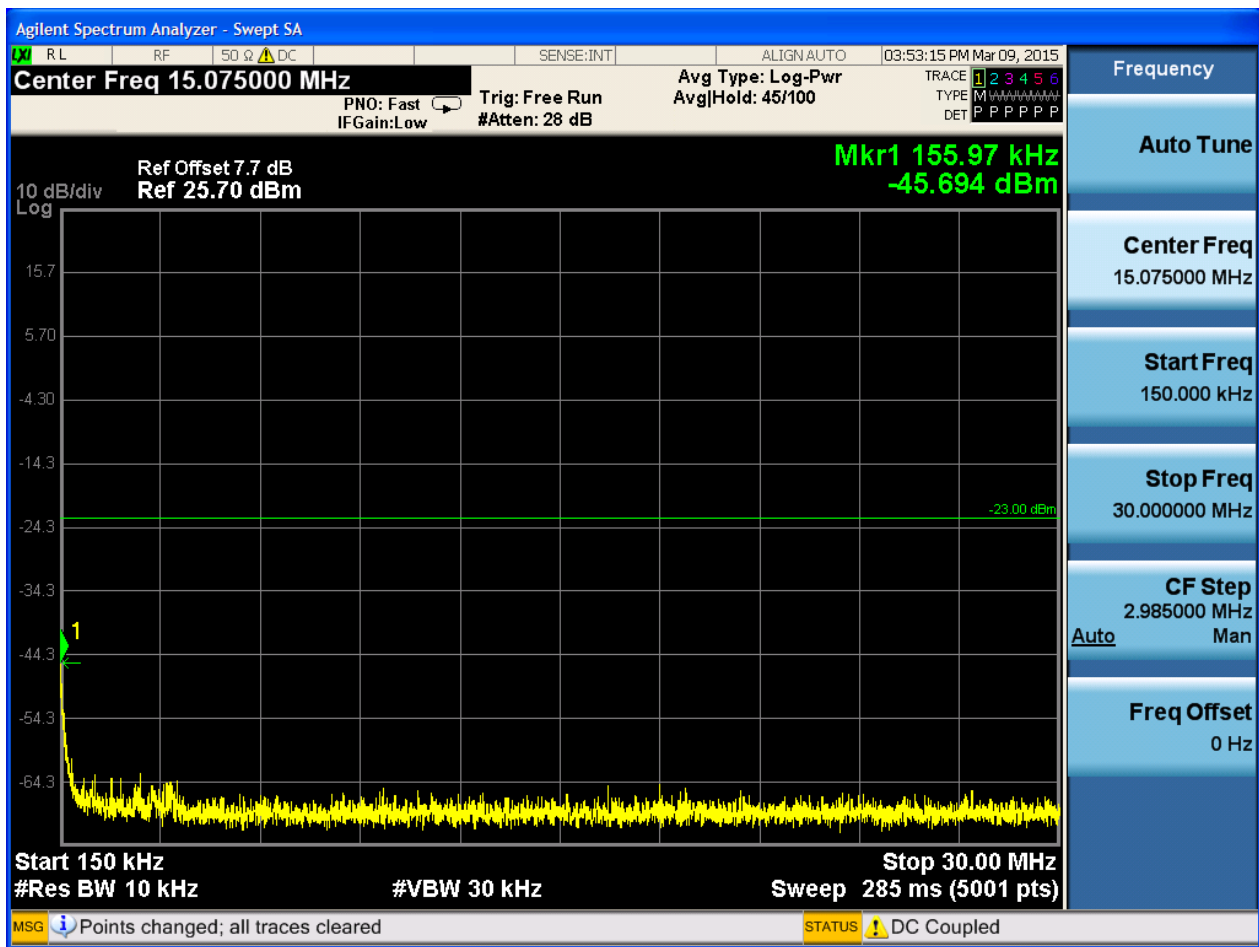


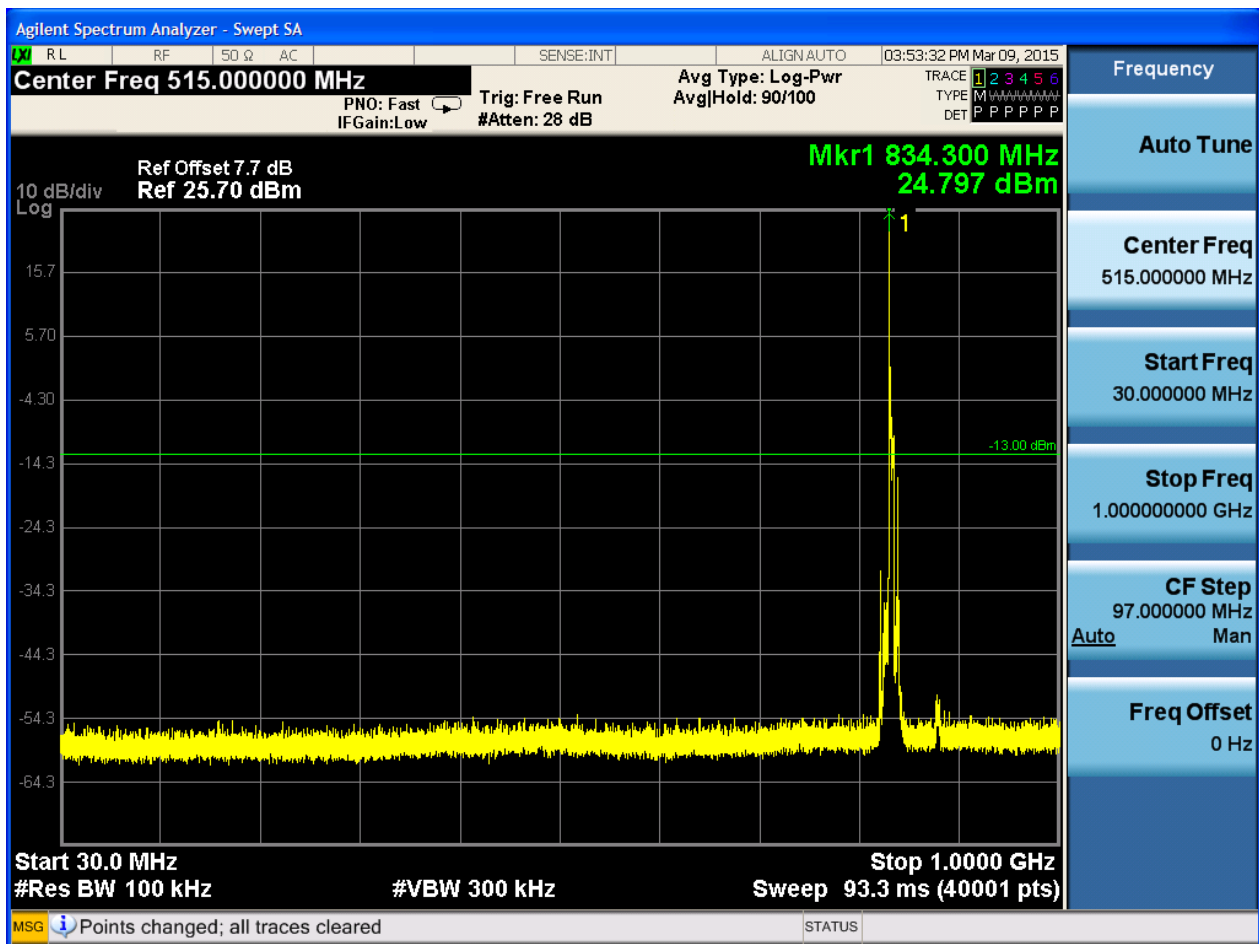


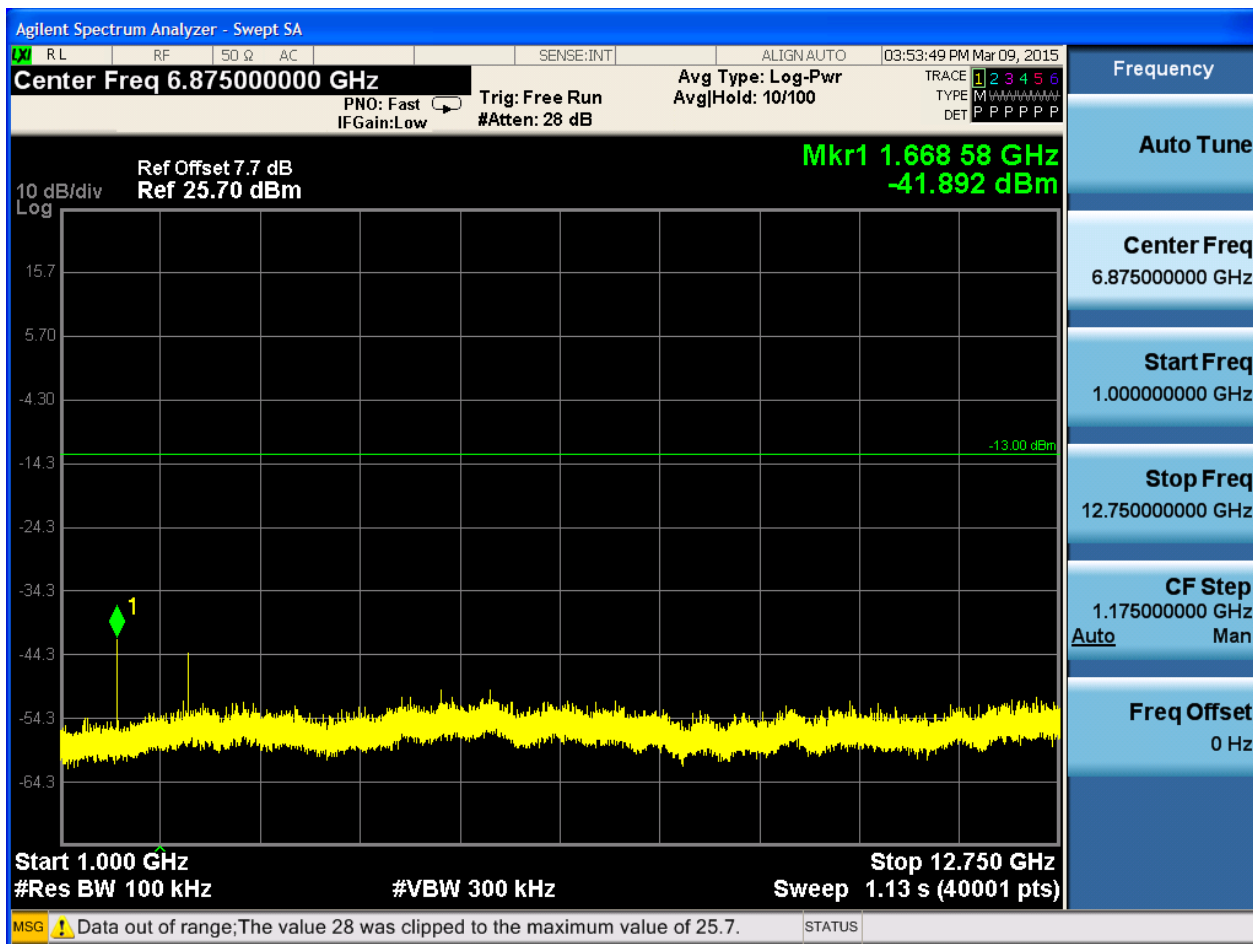
6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0





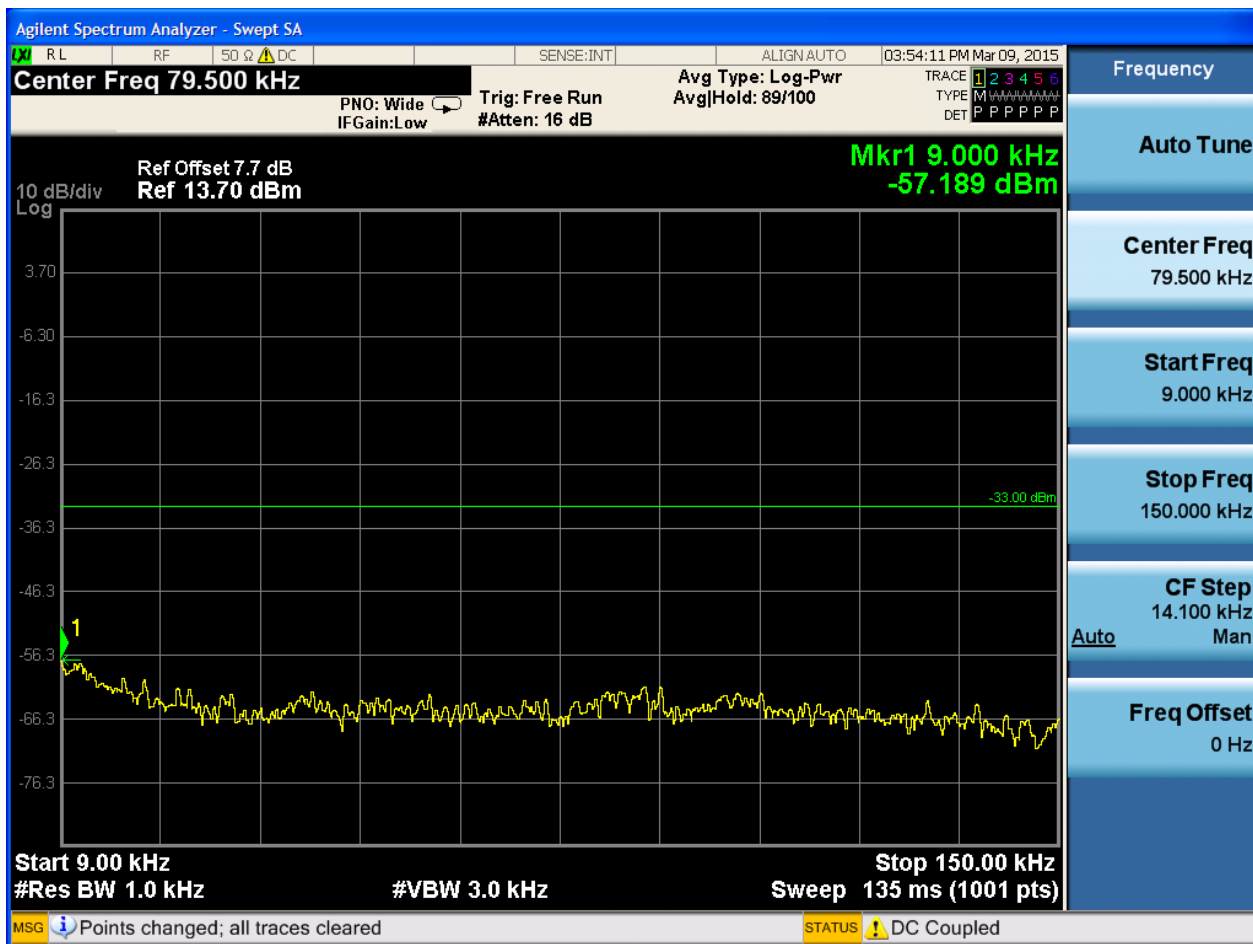


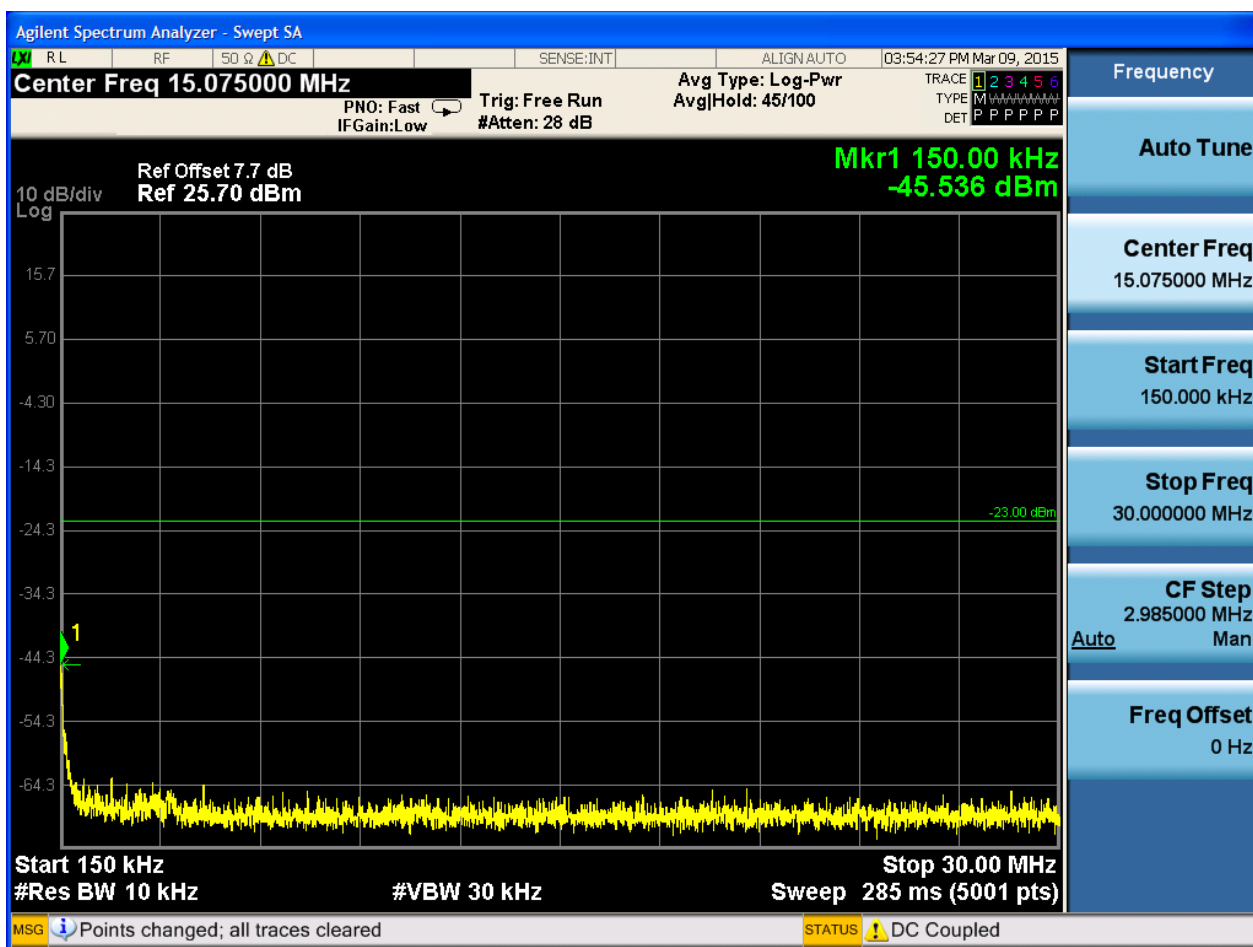


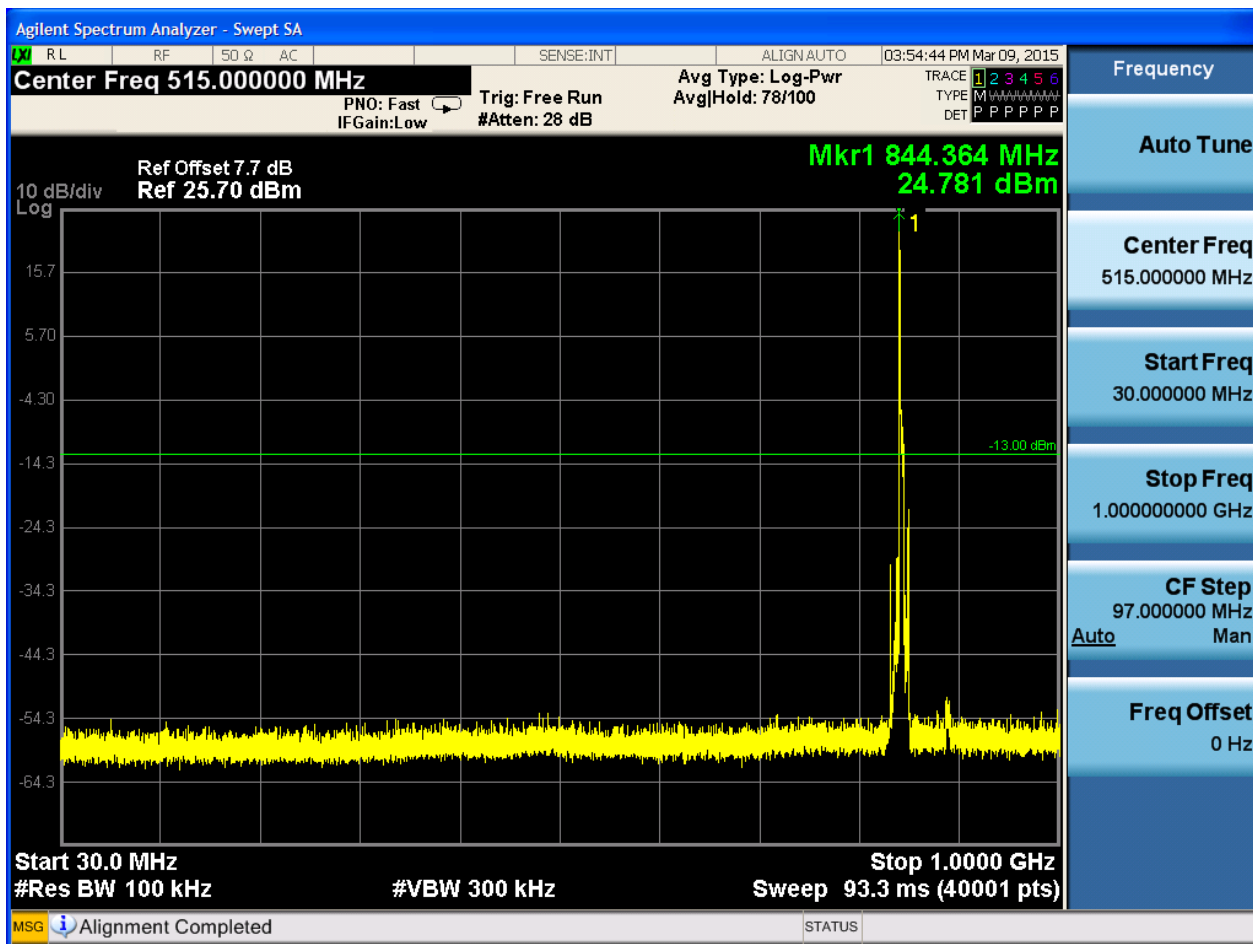


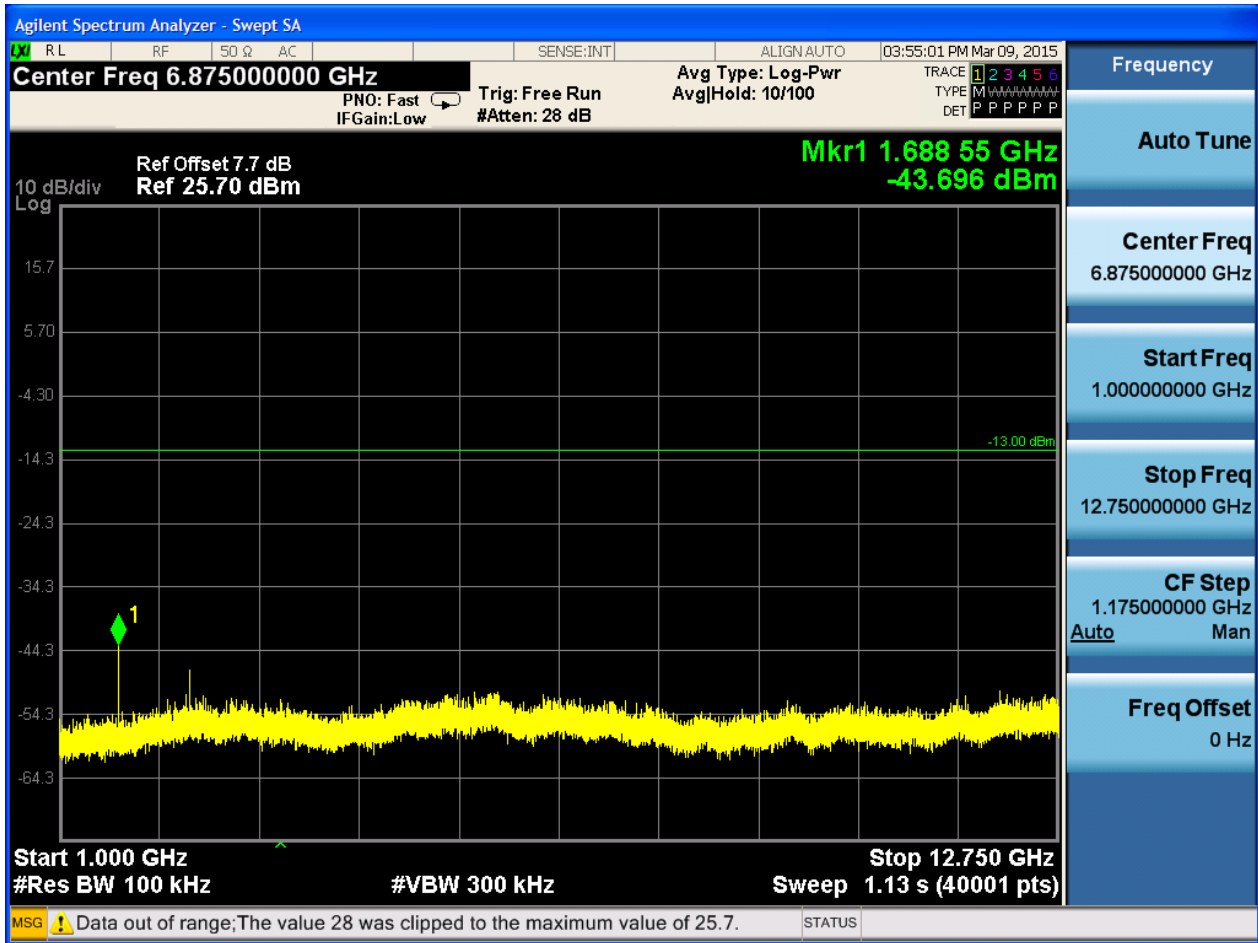
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





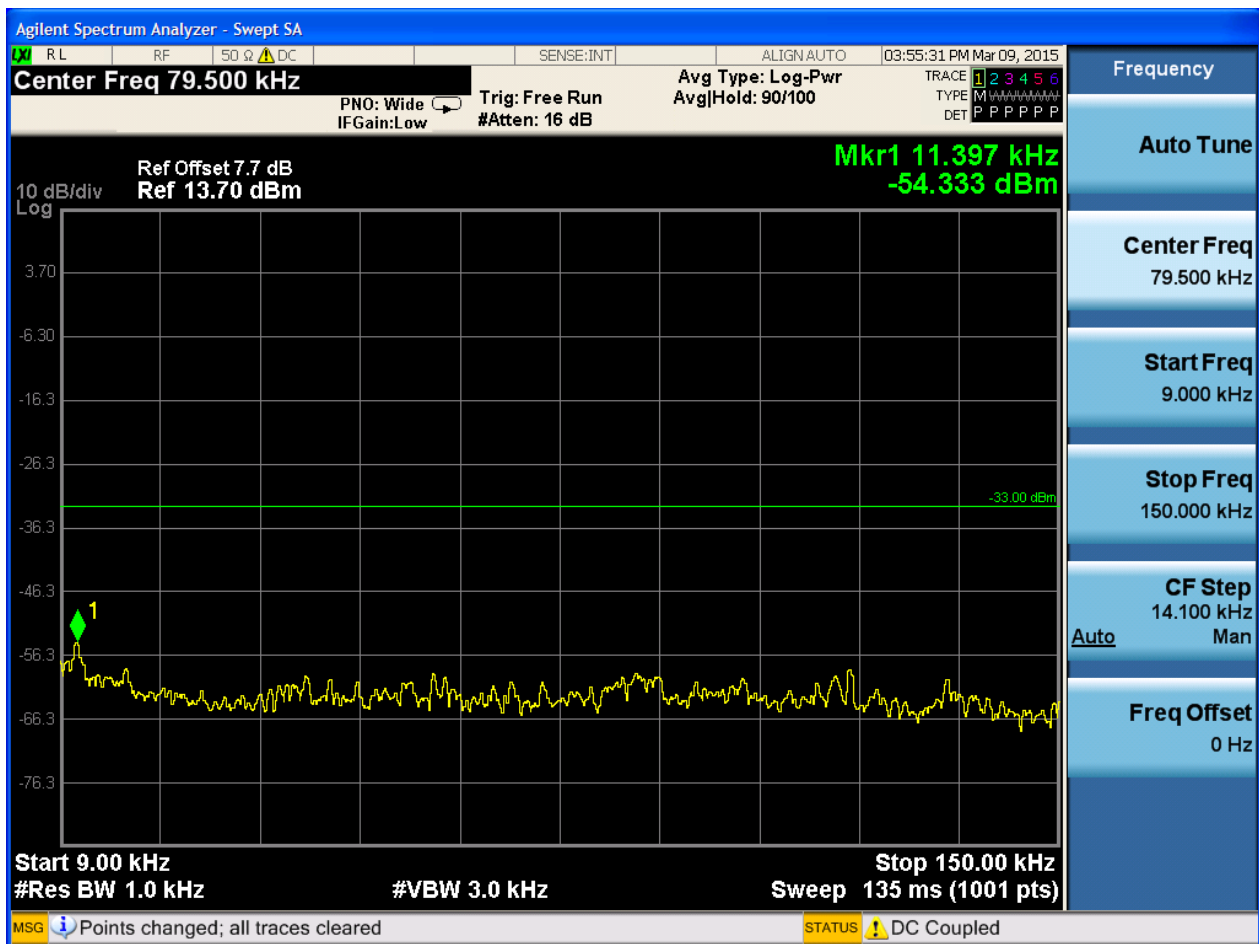




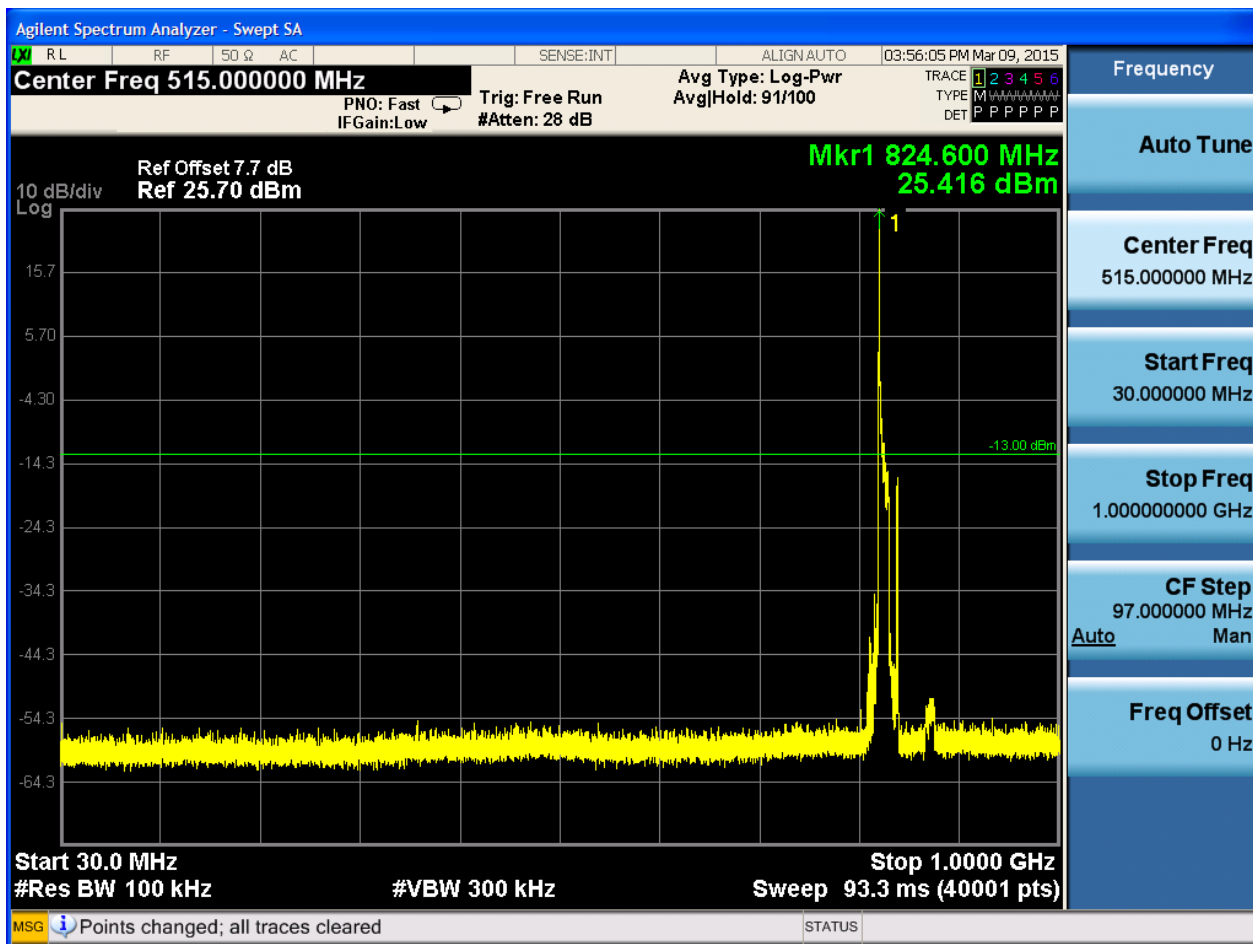
6.1.1.1.4 Test Bandwidth = 10

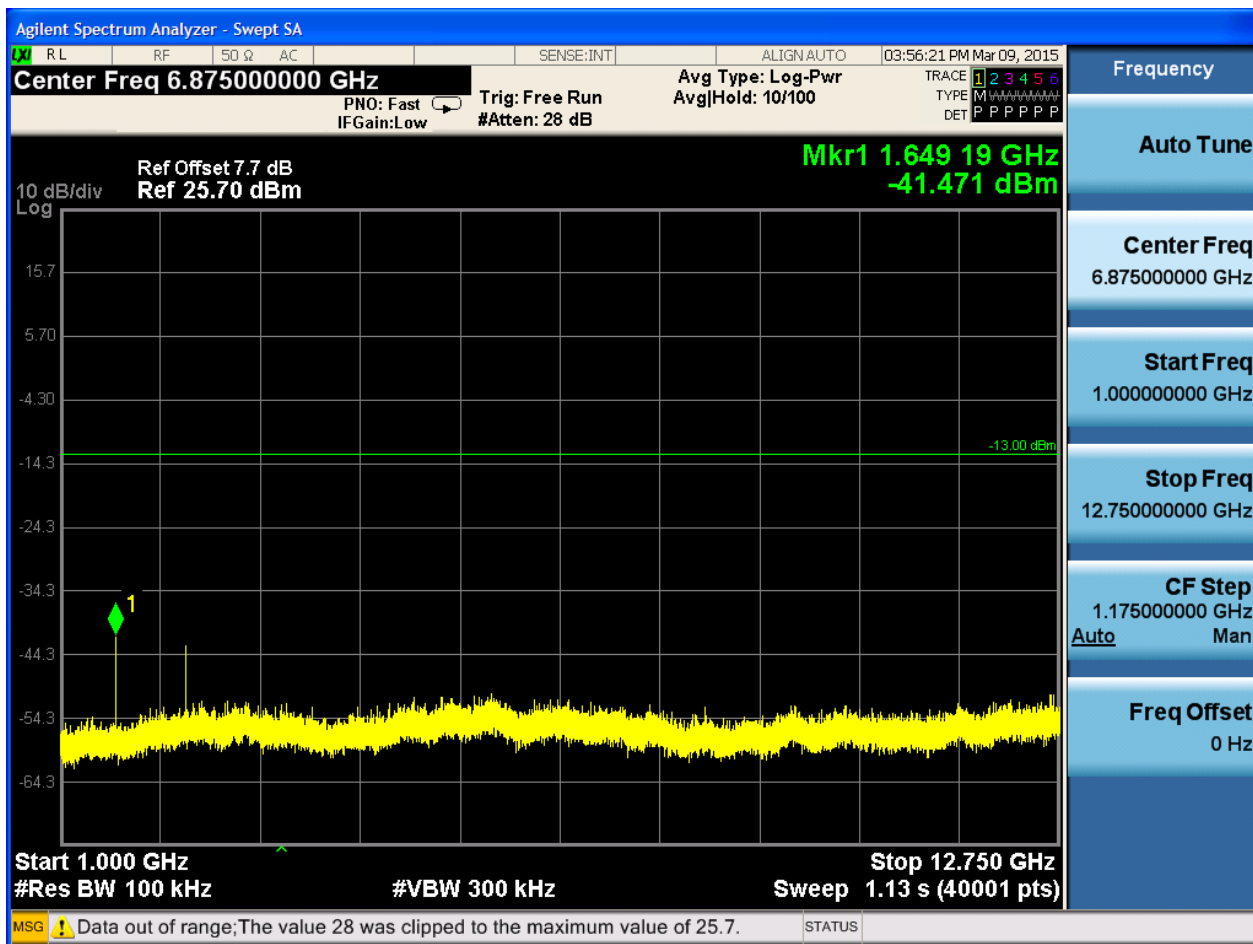
6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





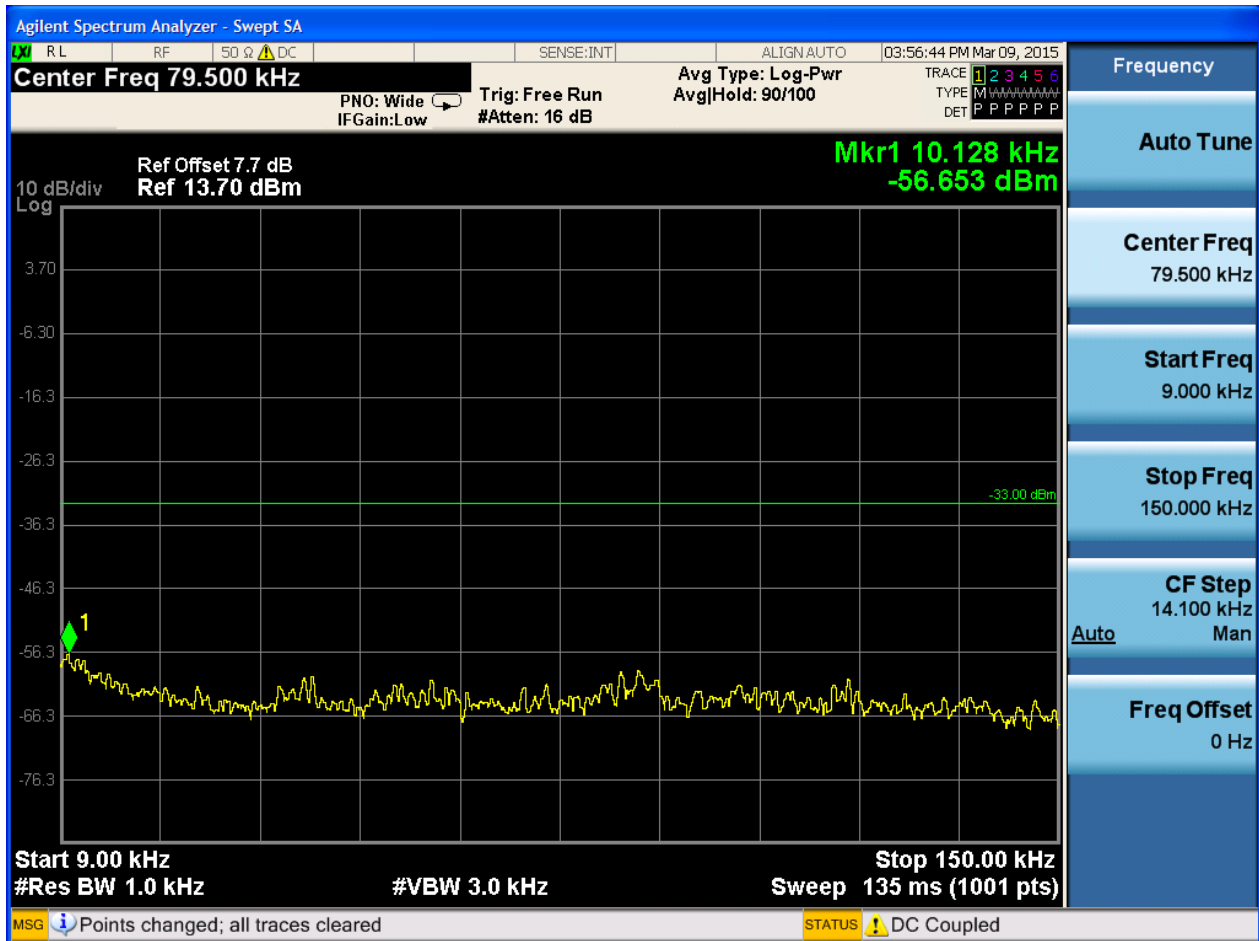


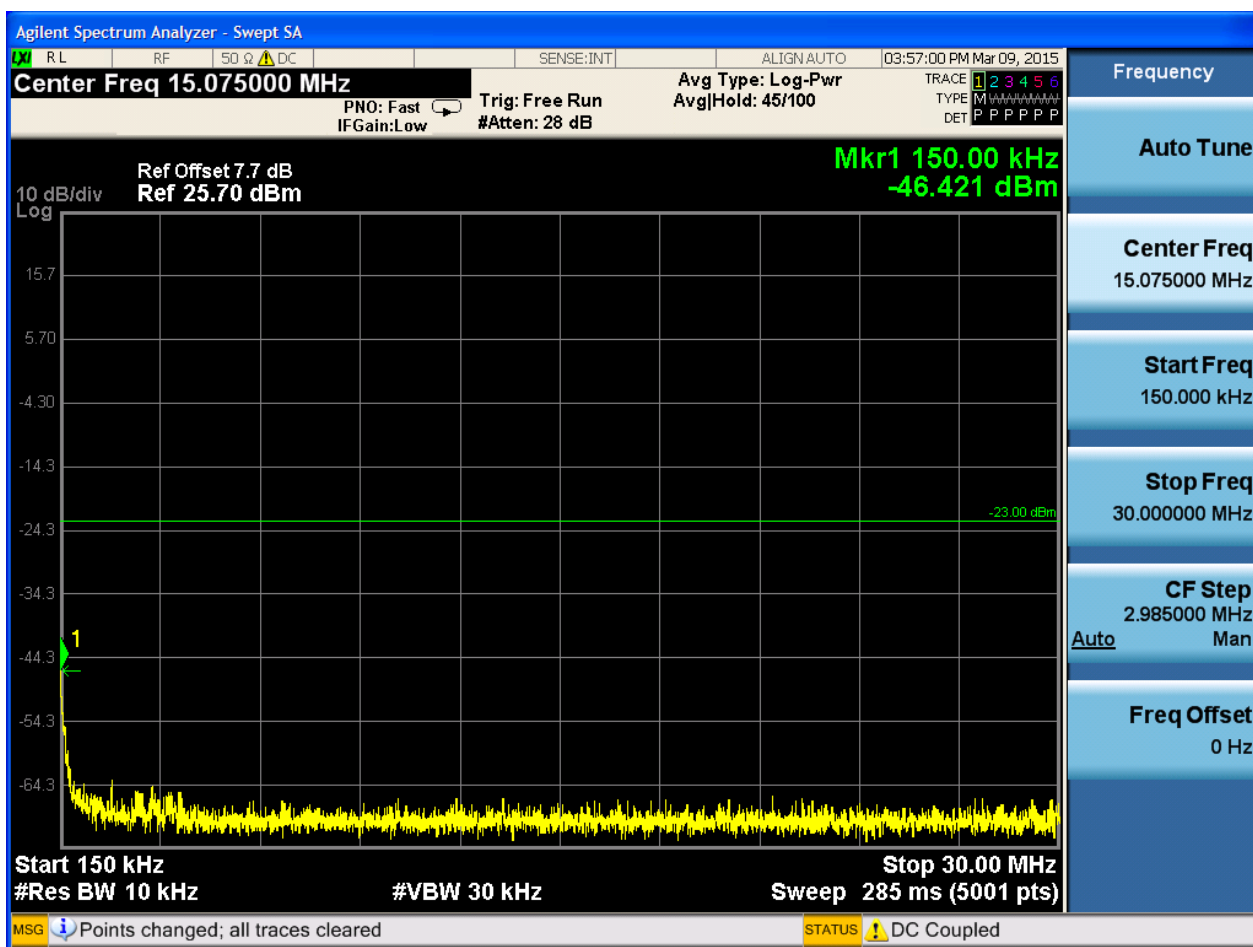


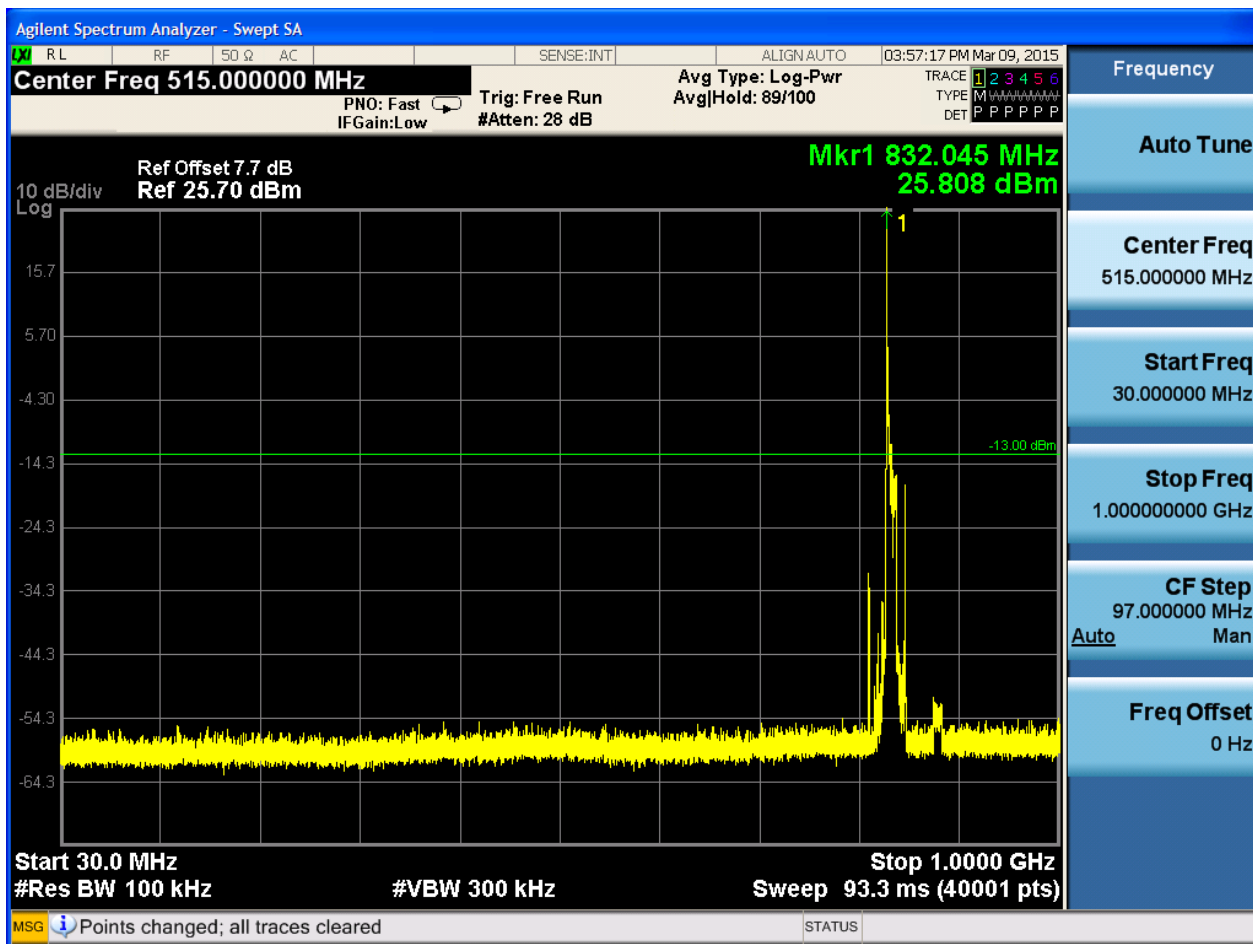


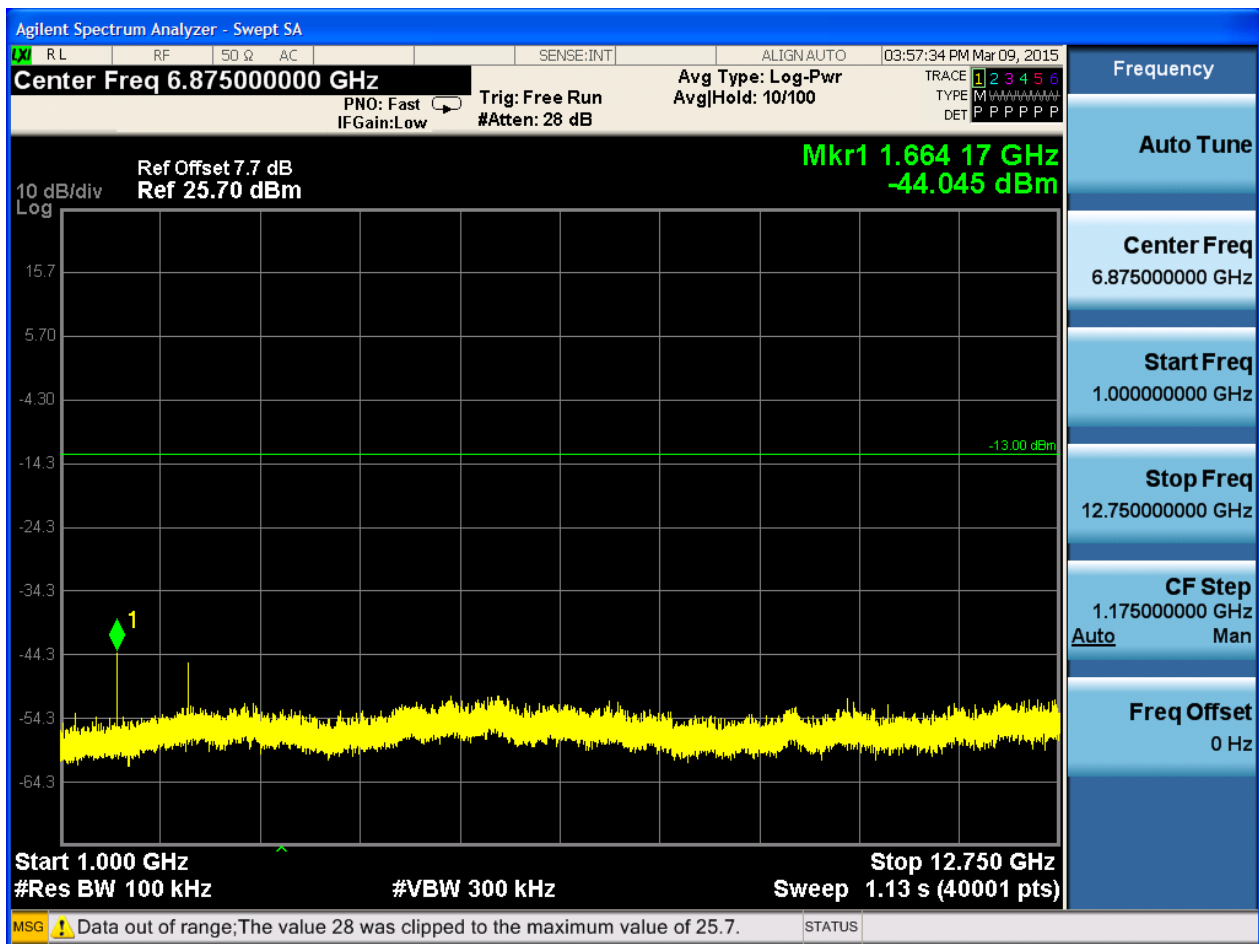
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



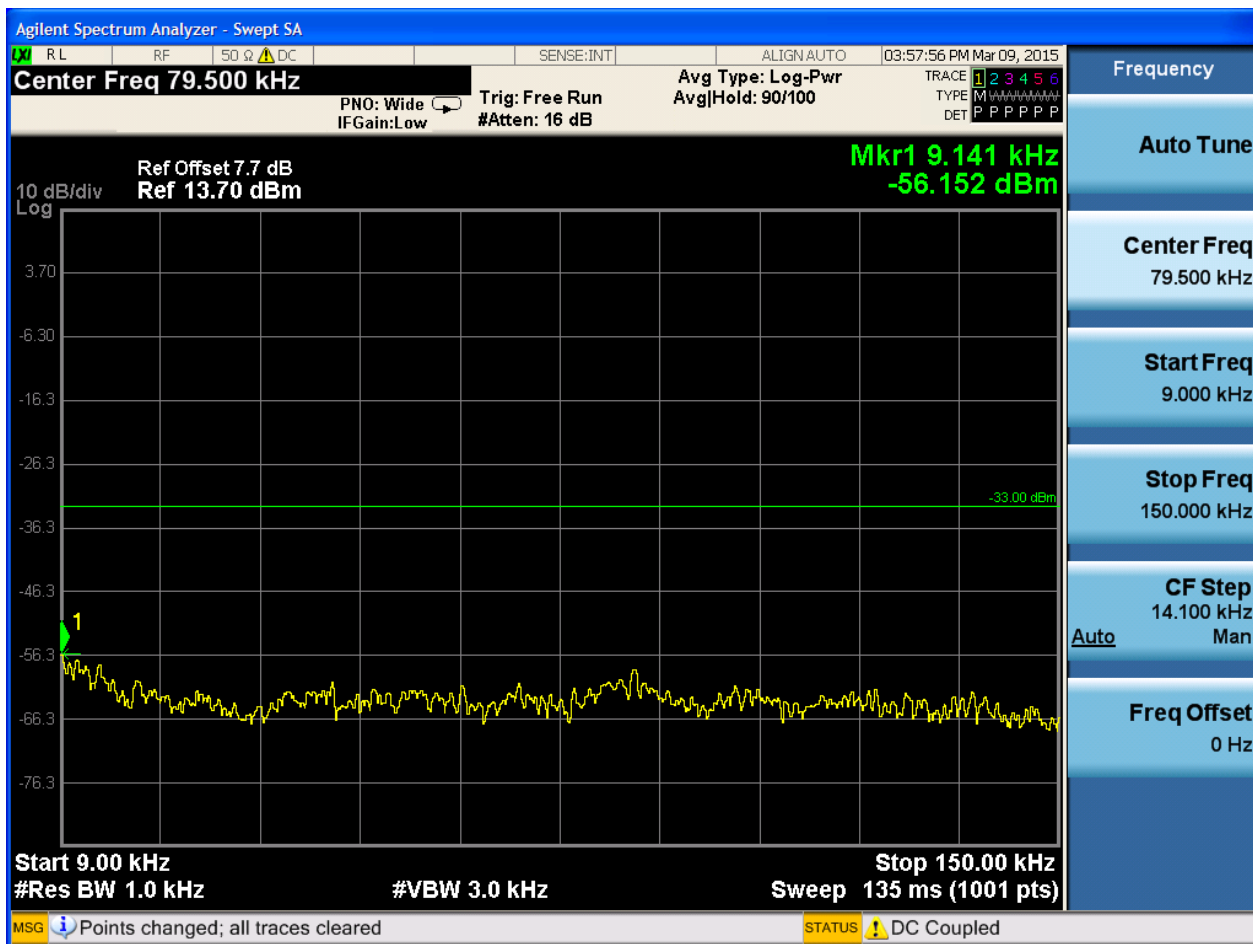


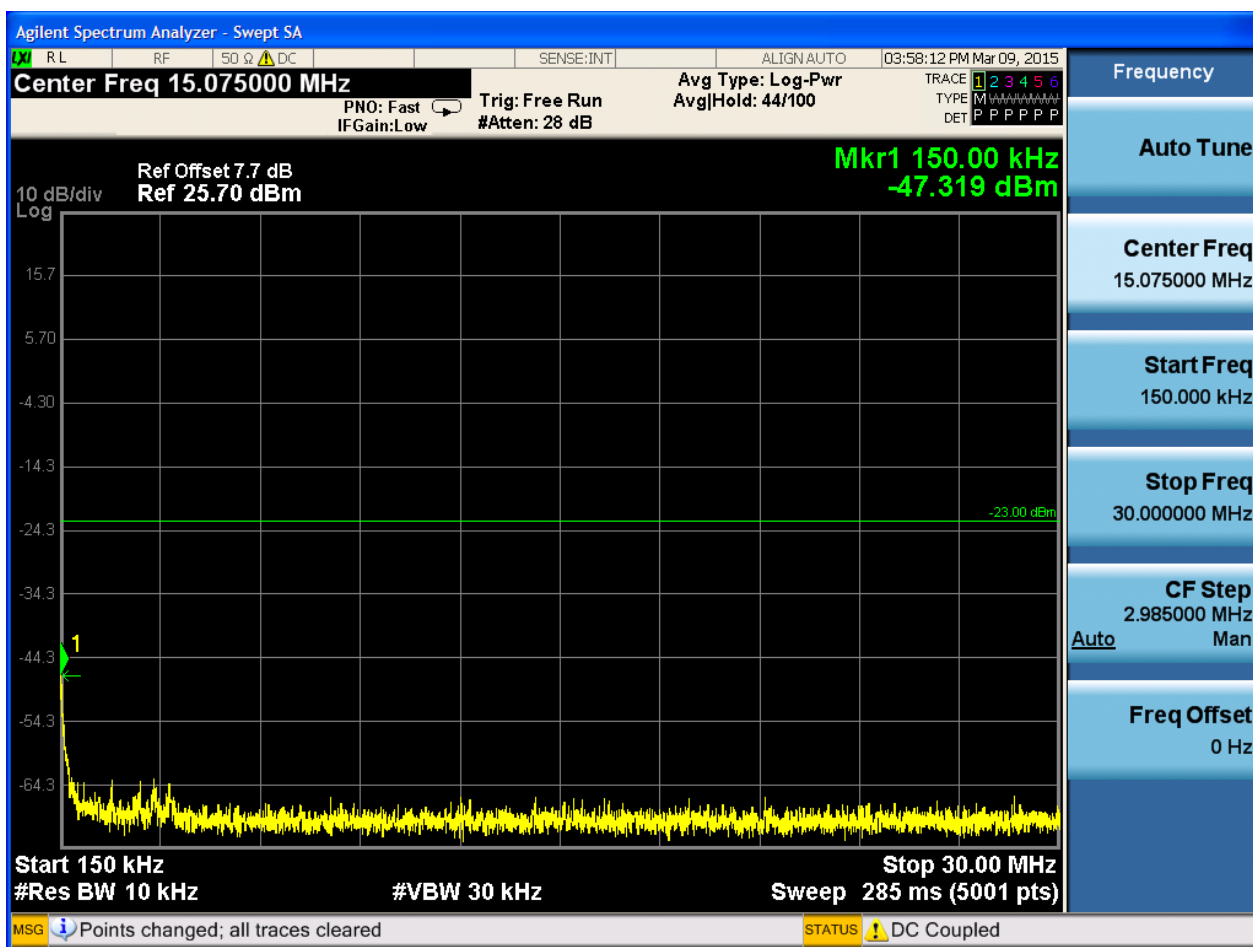


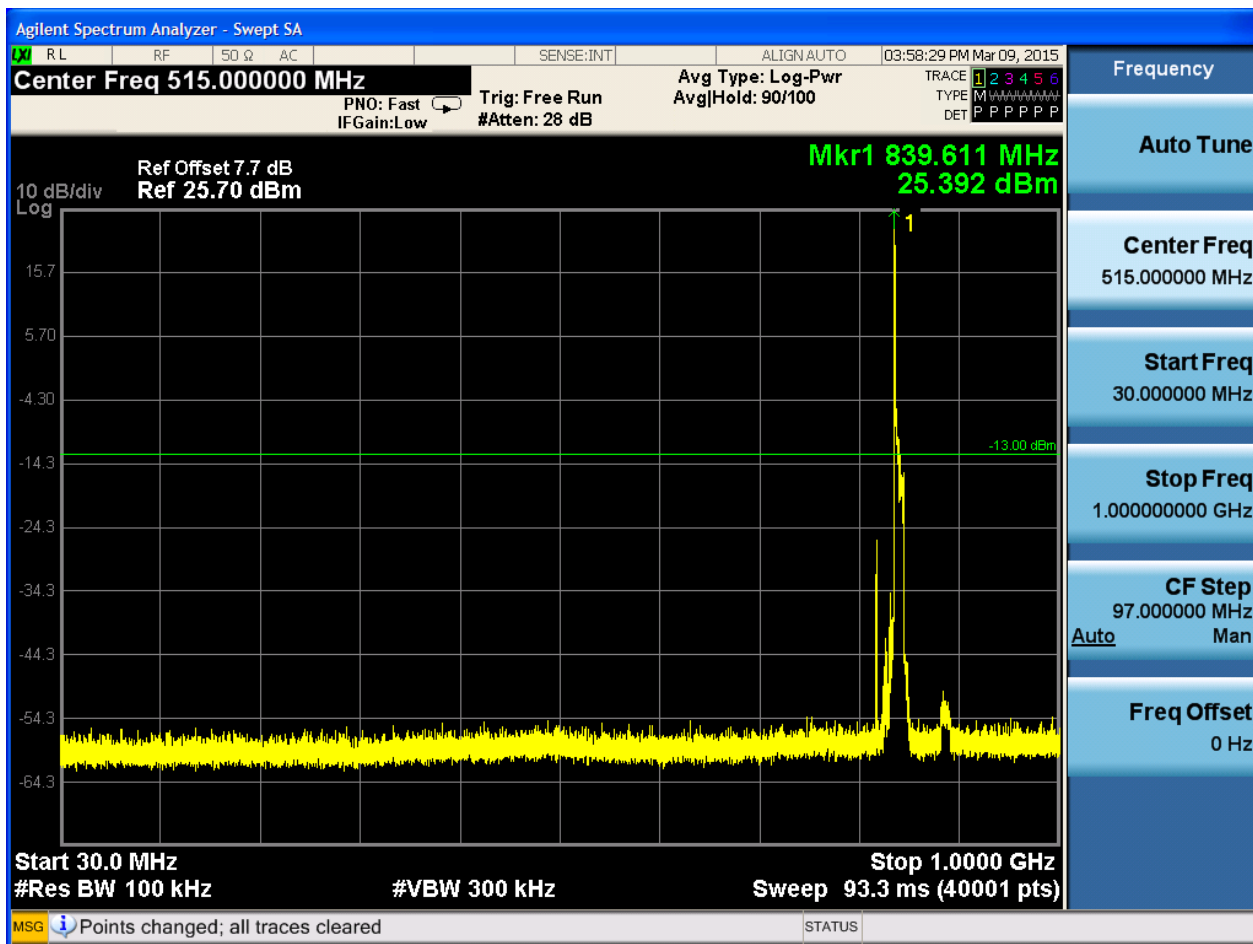


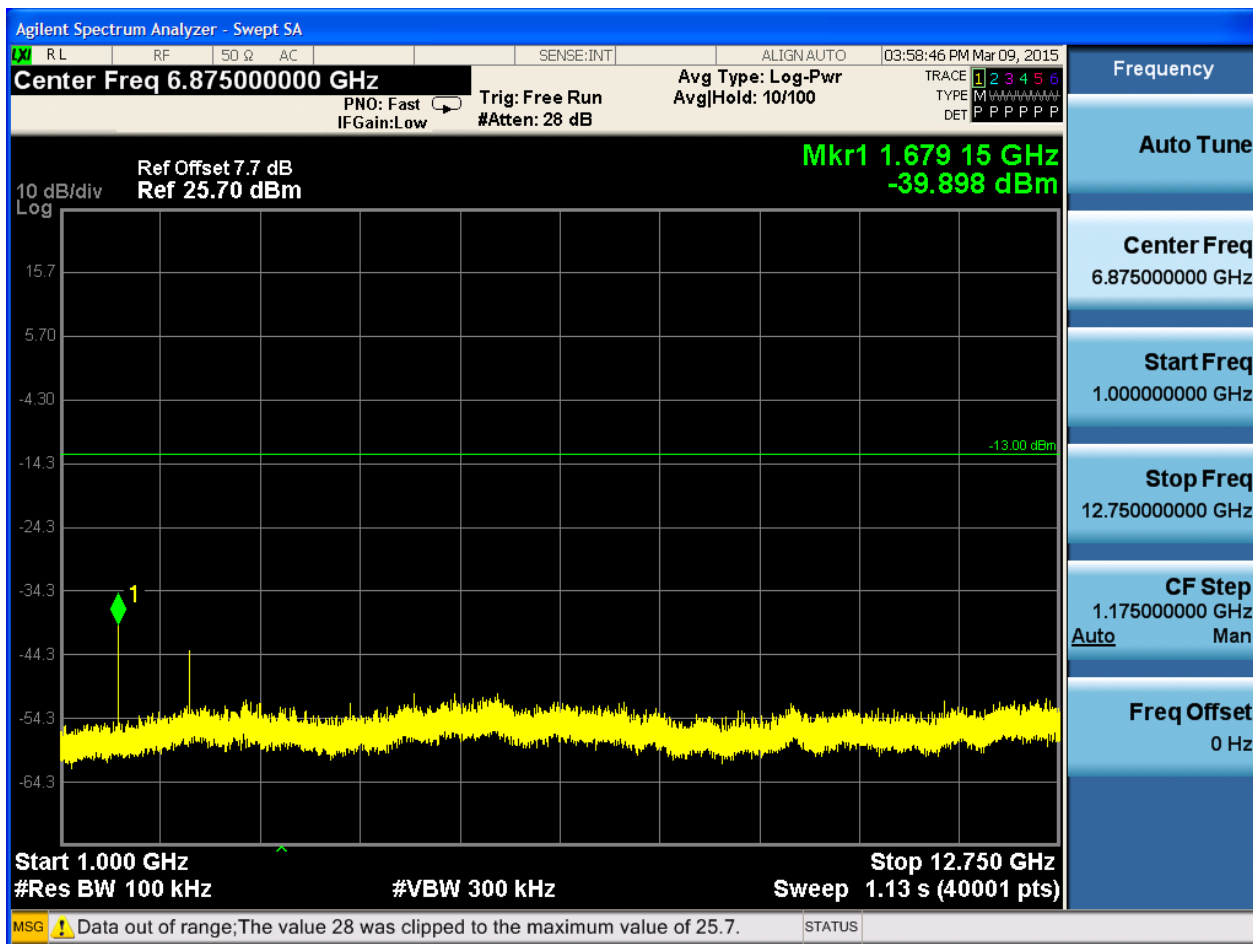
6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







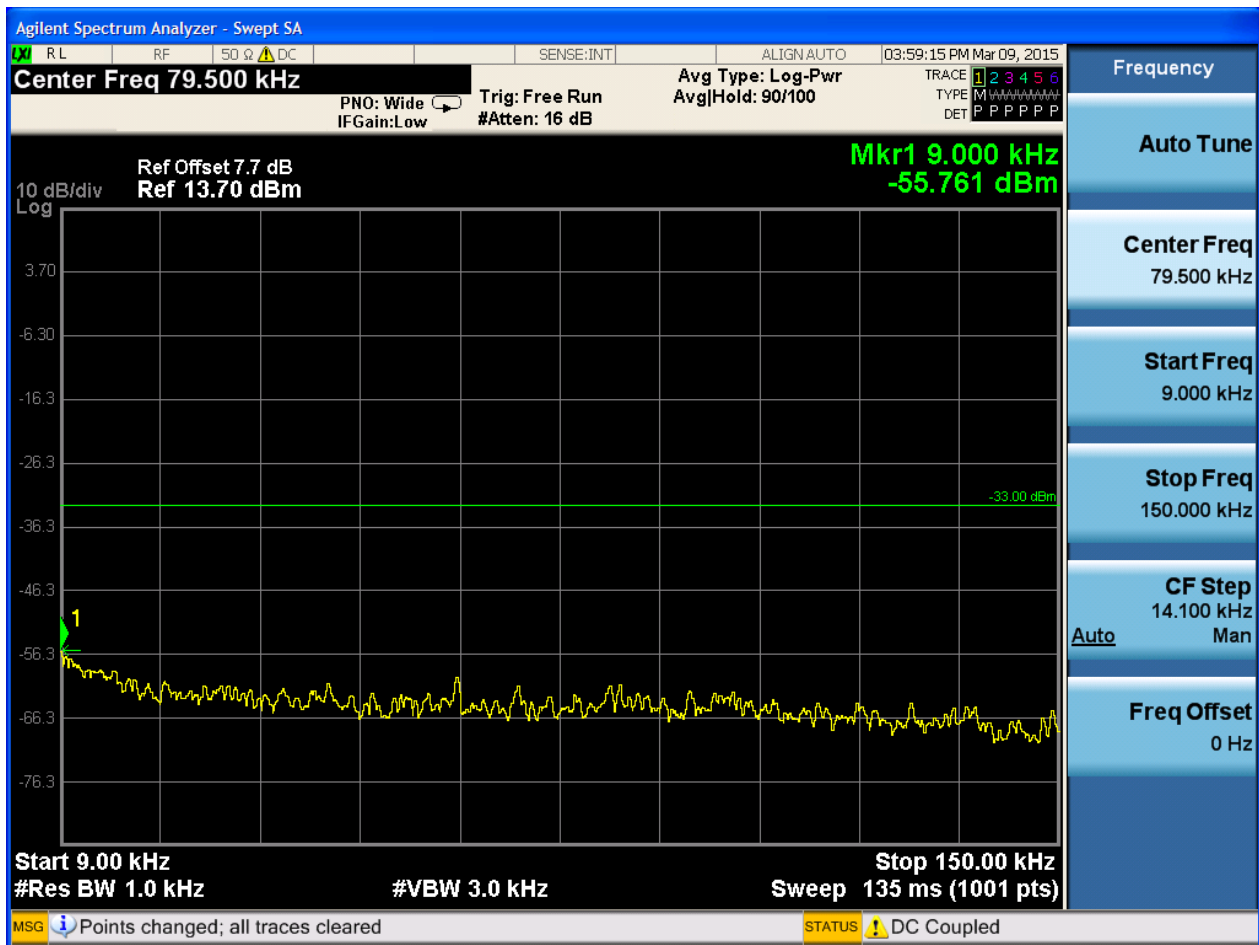


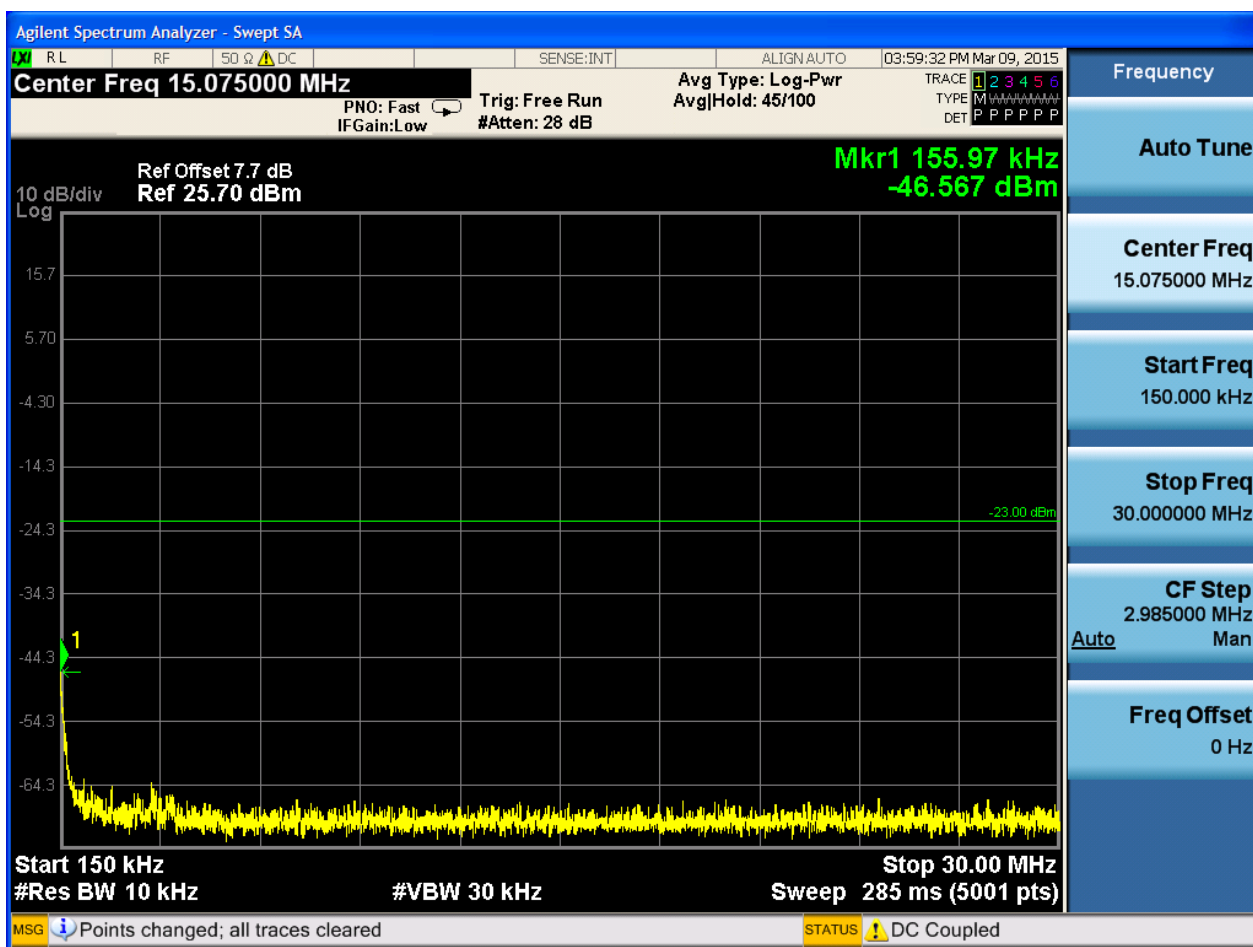
6.1.1.2 Test Mode = LTE/TM2

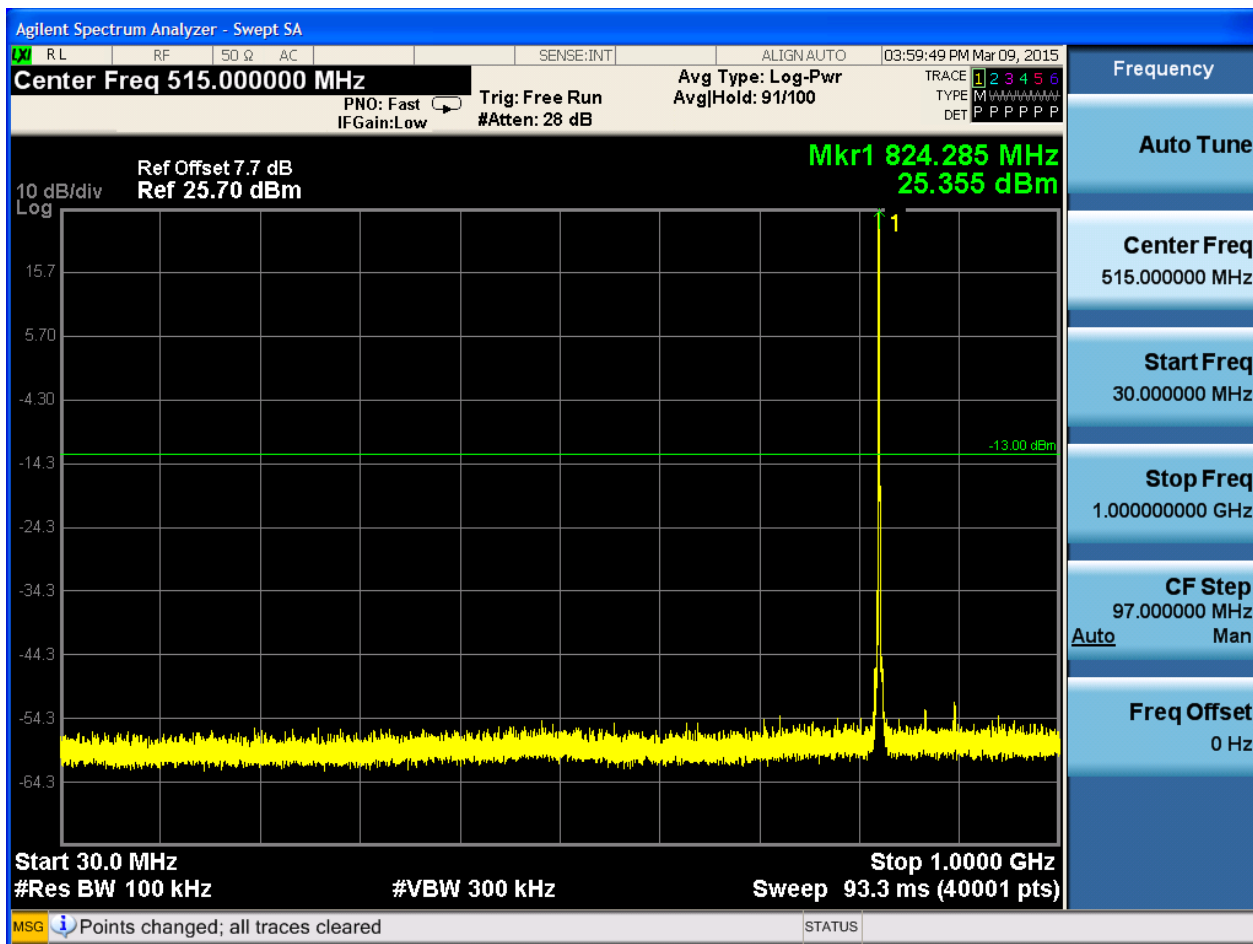
6.1.1.2.1 Test Bandwidth = 1.4

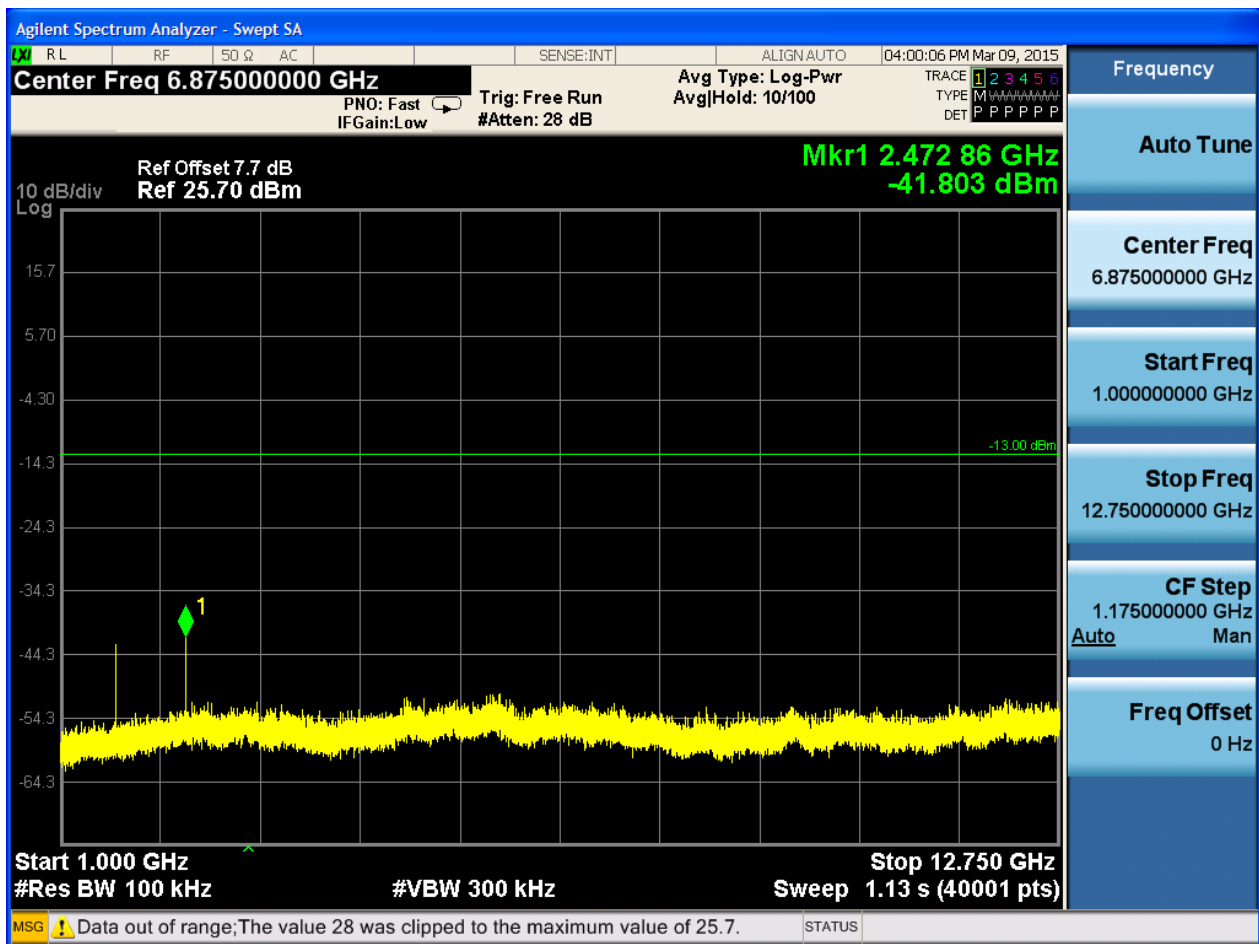
6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



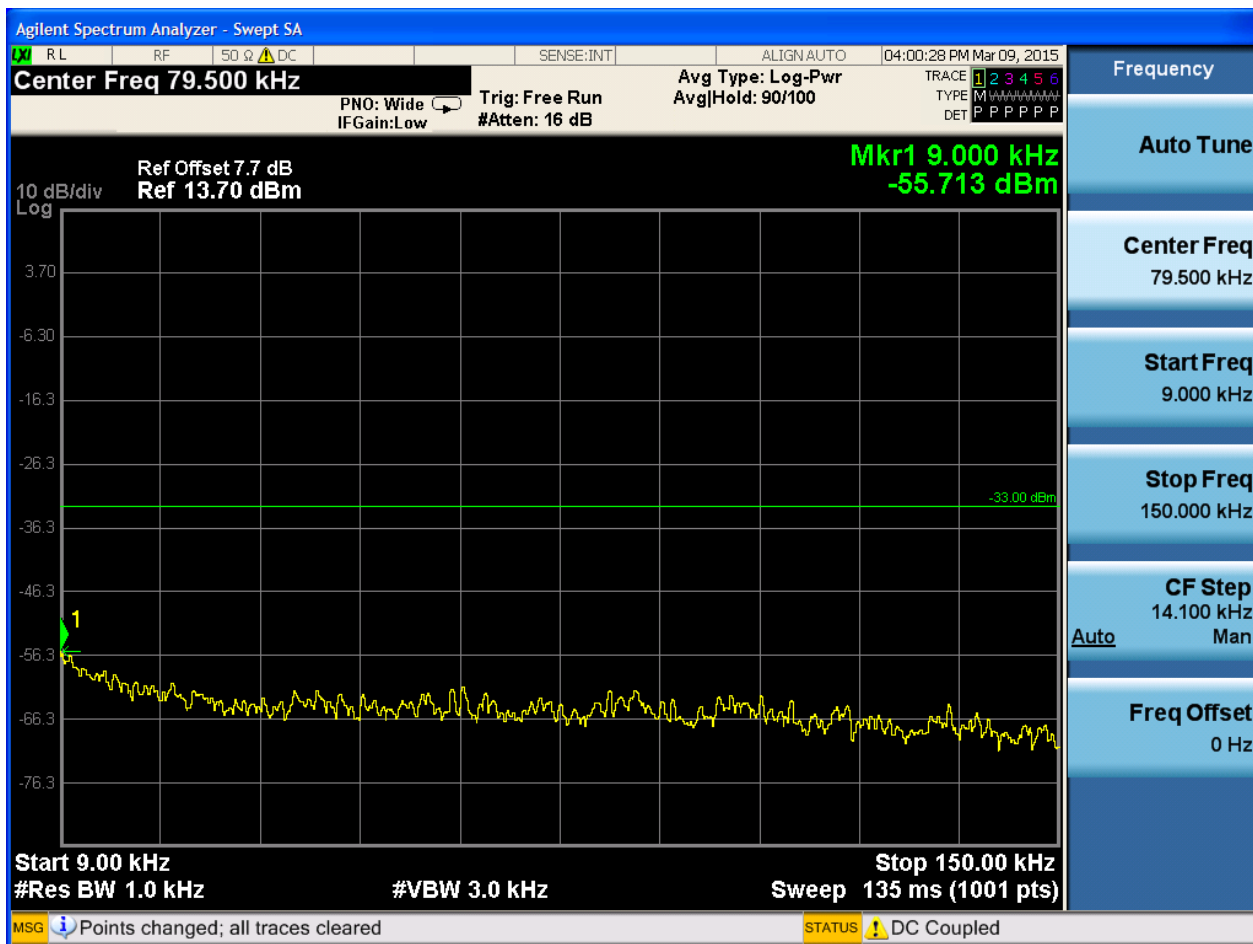


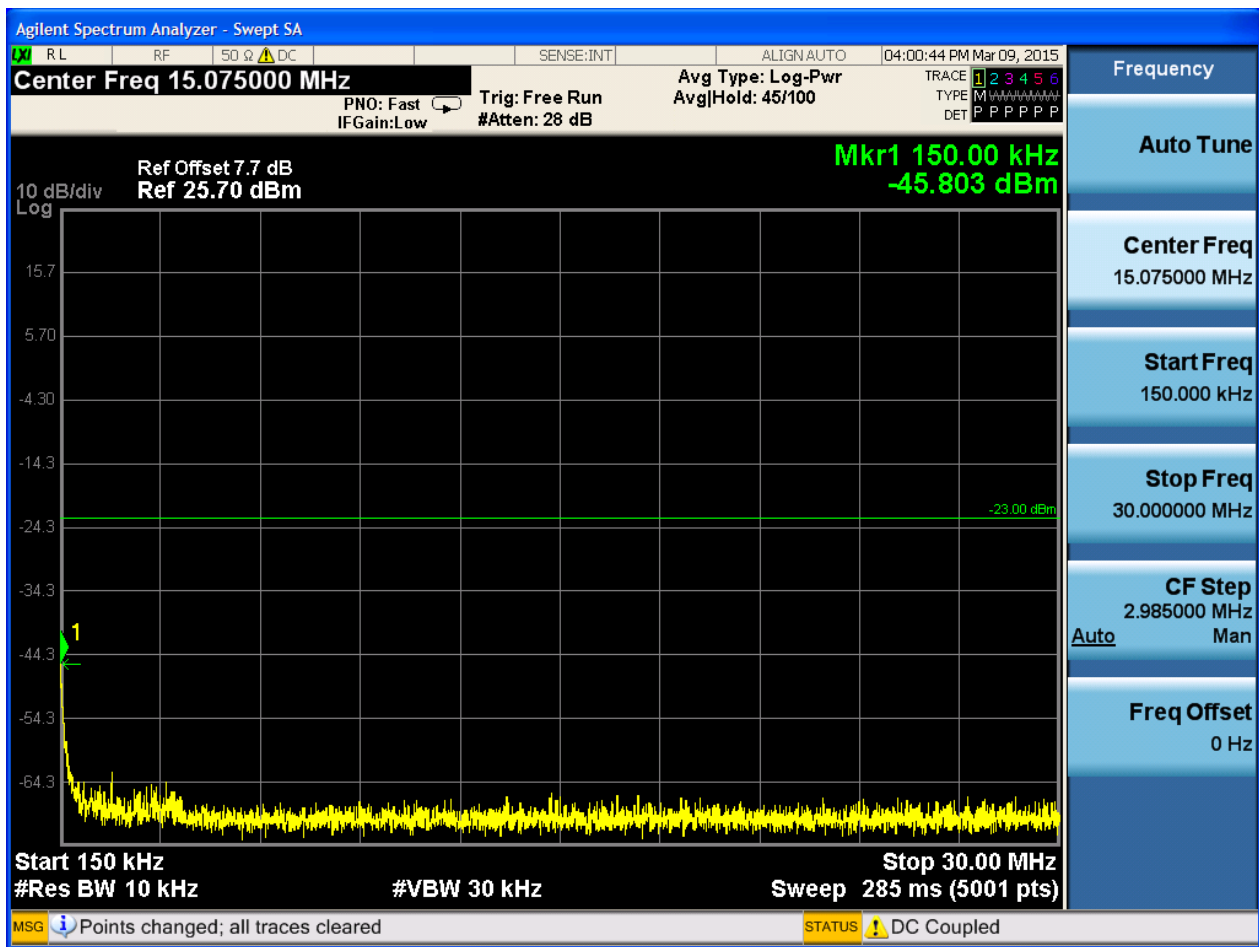


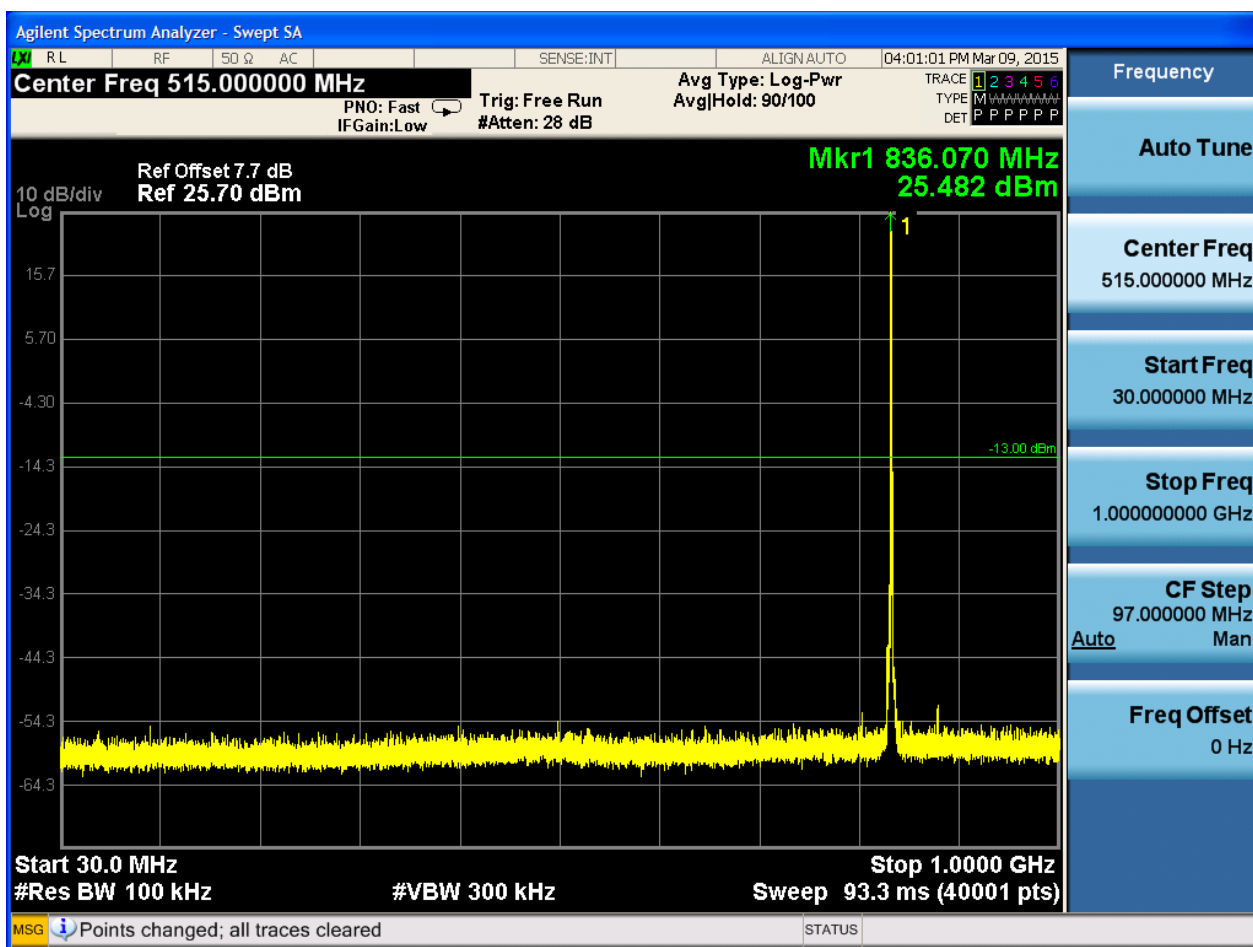


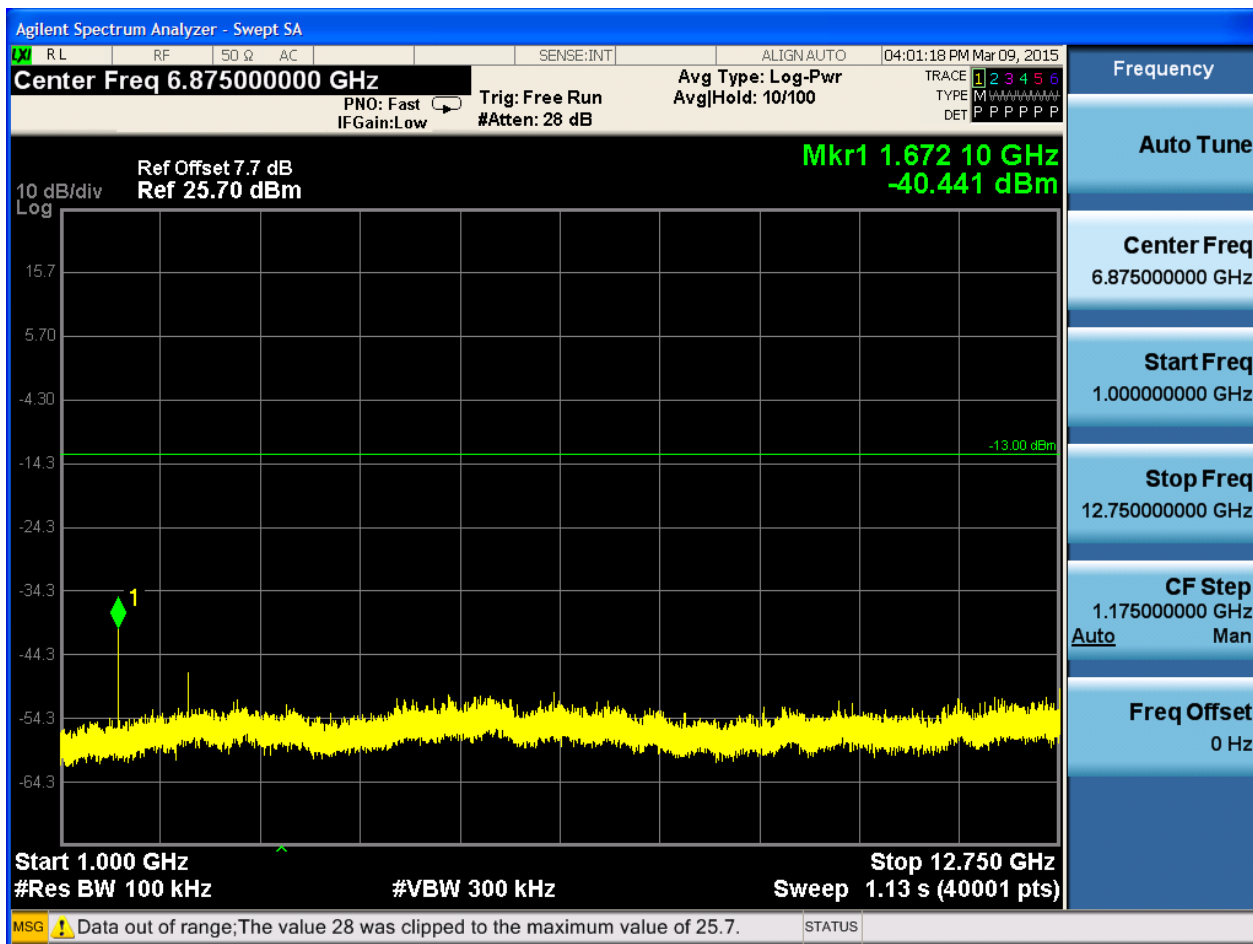
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0





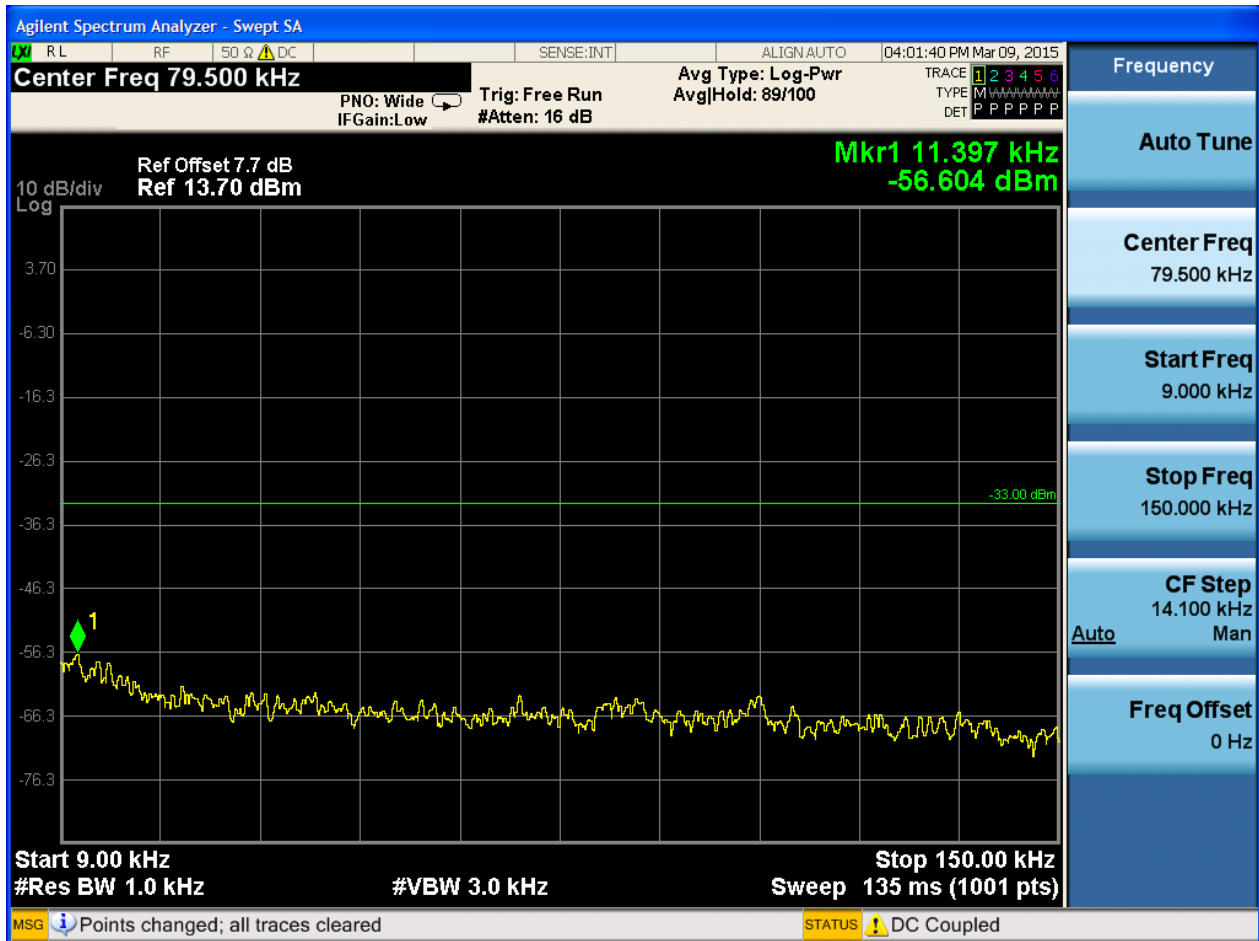


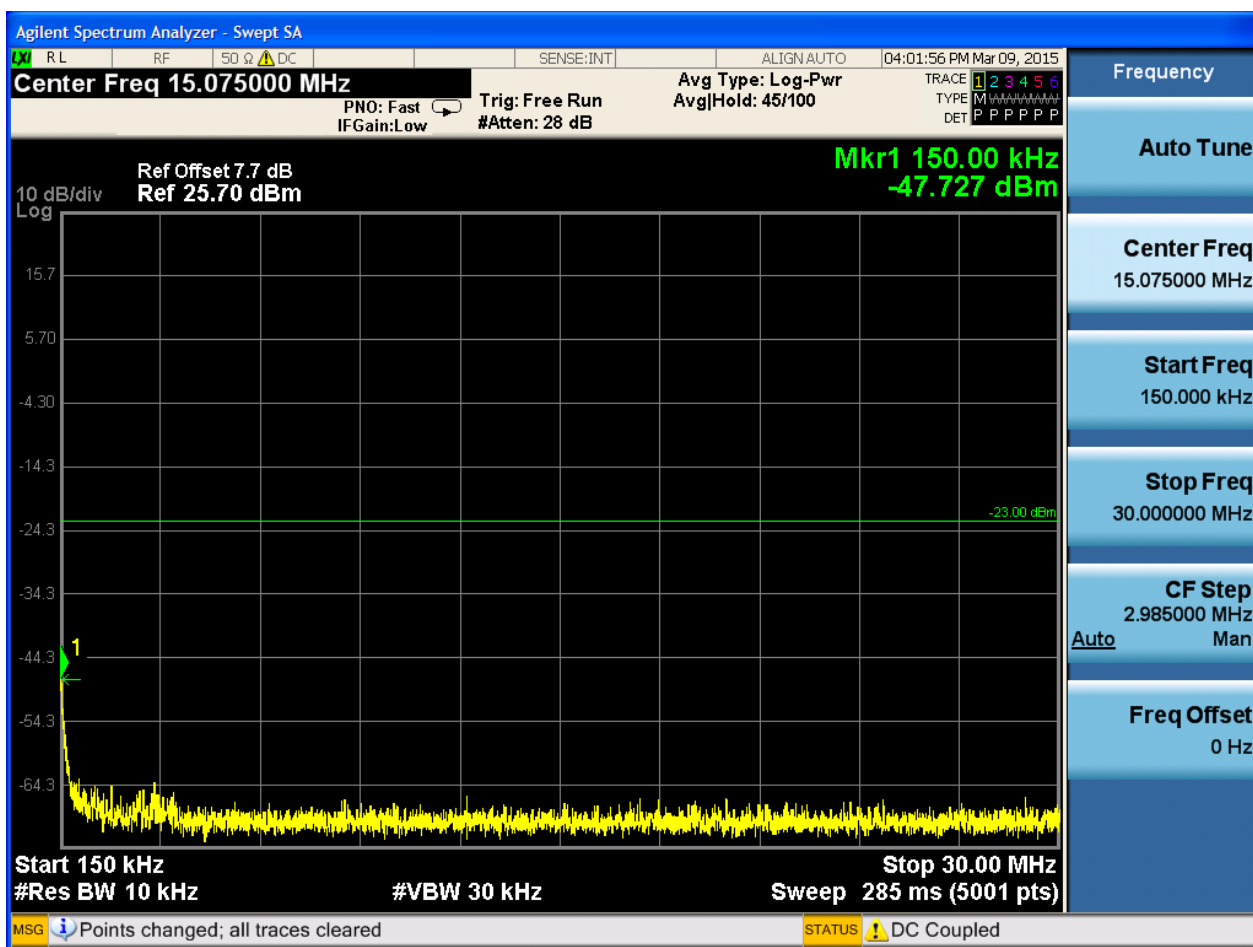


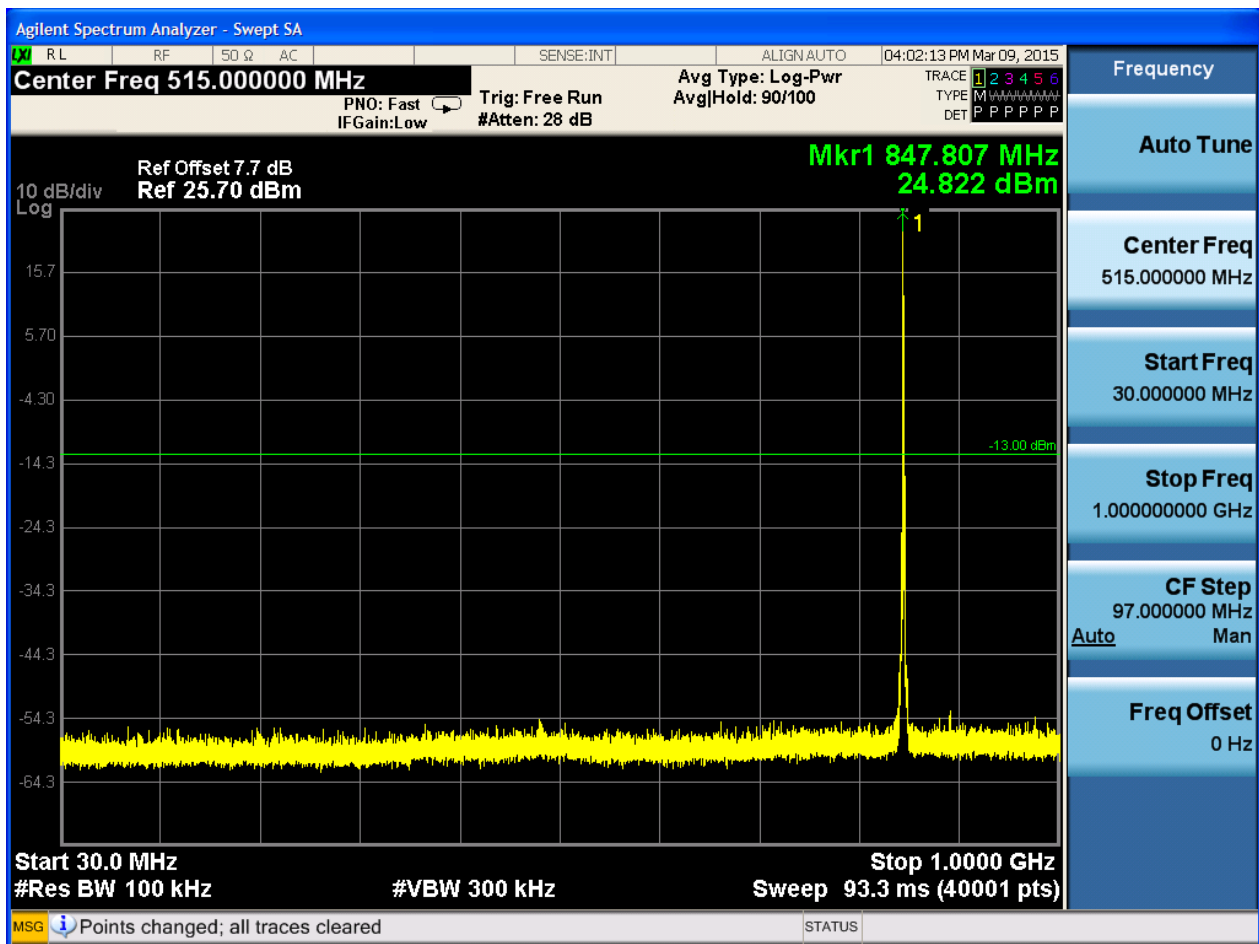


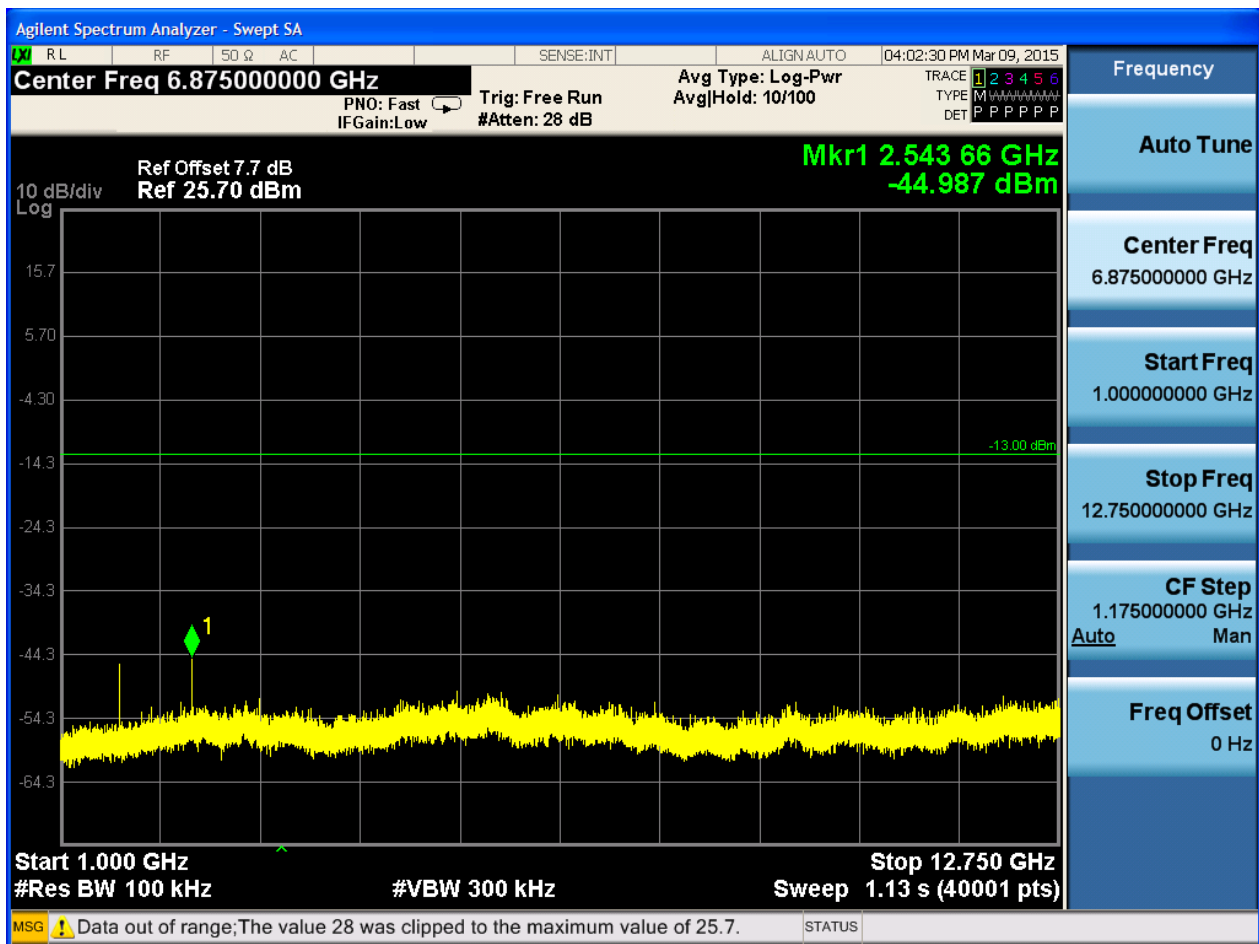
6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





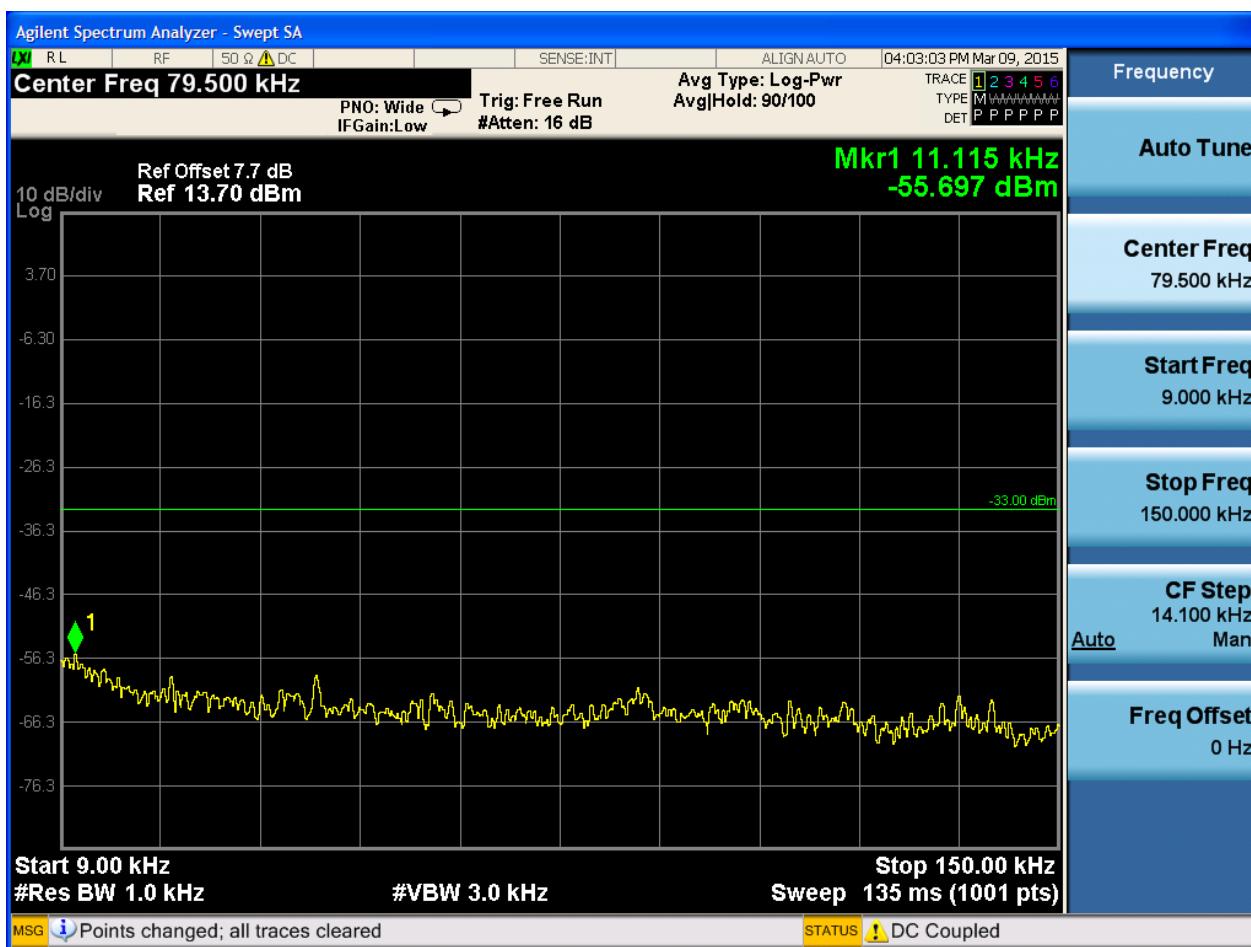


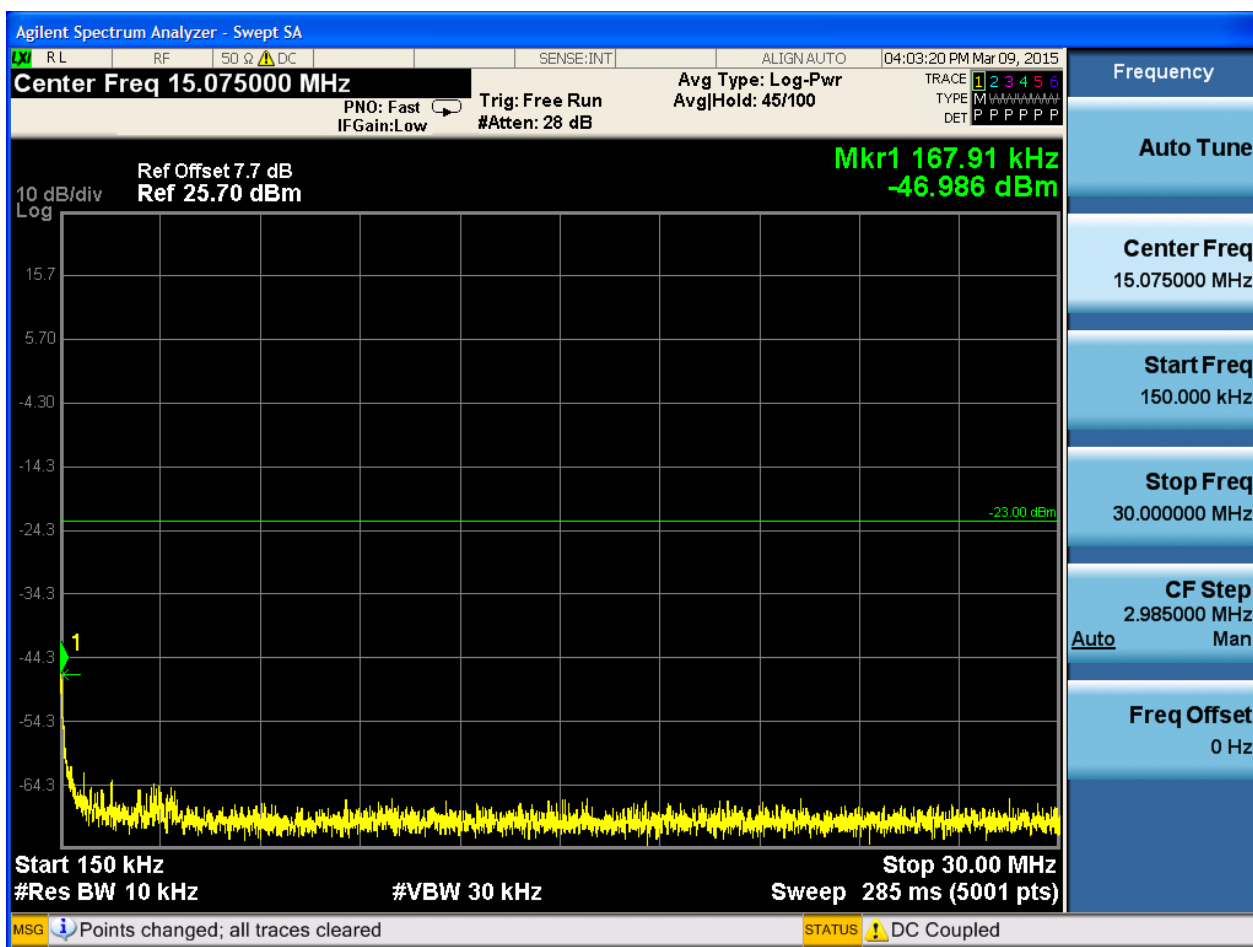


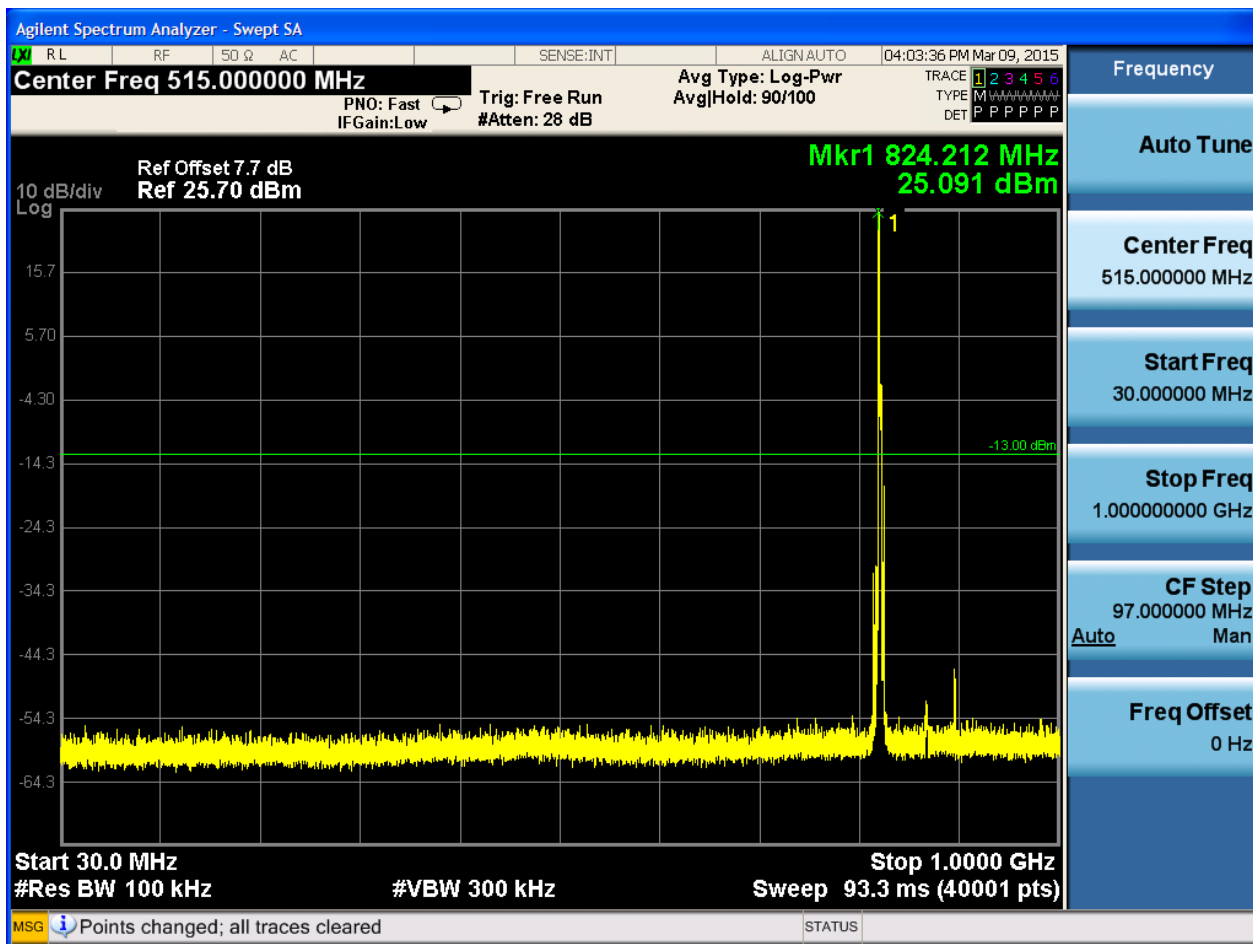
6.1.1.2.2 Test Bandwidth = 3

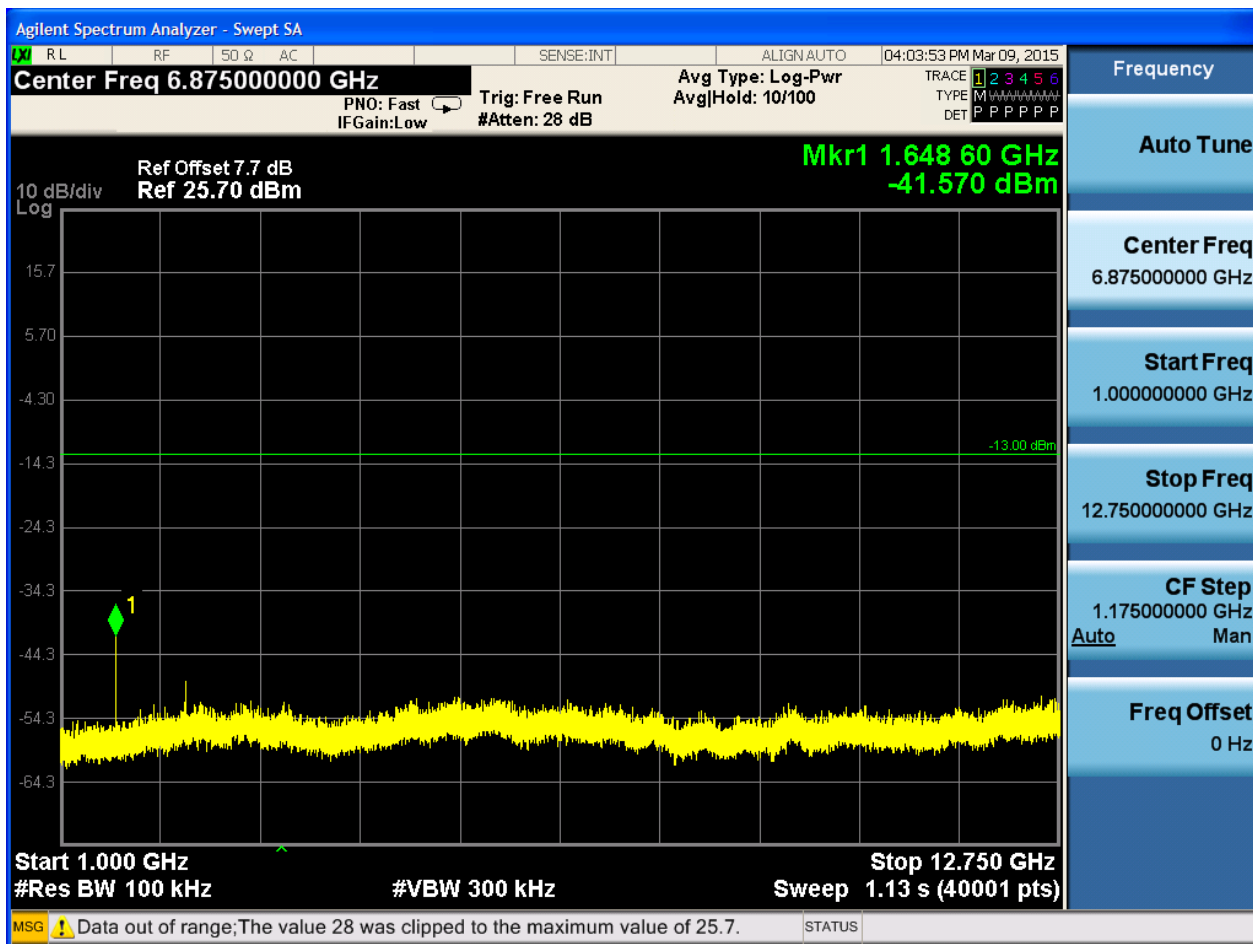
6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



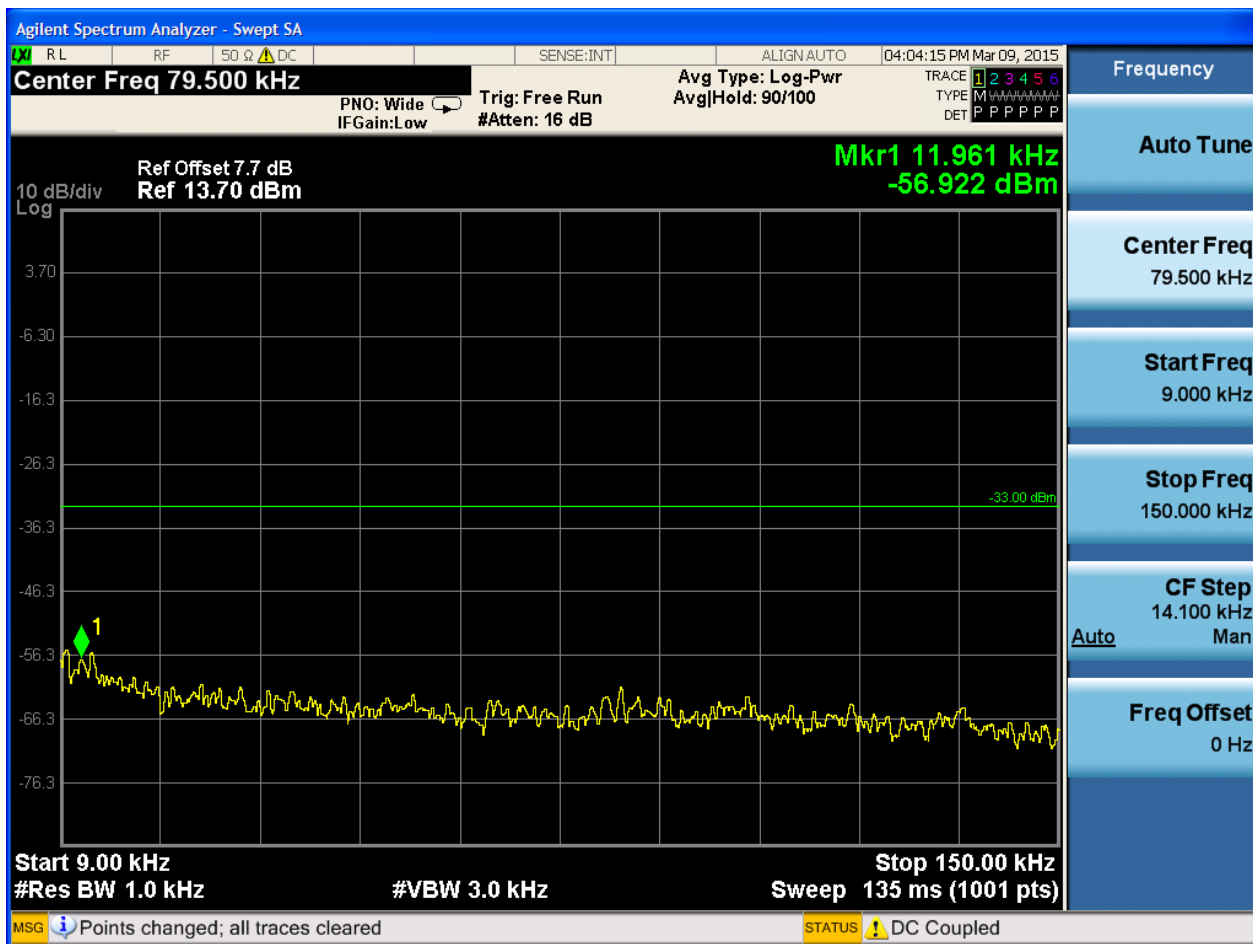




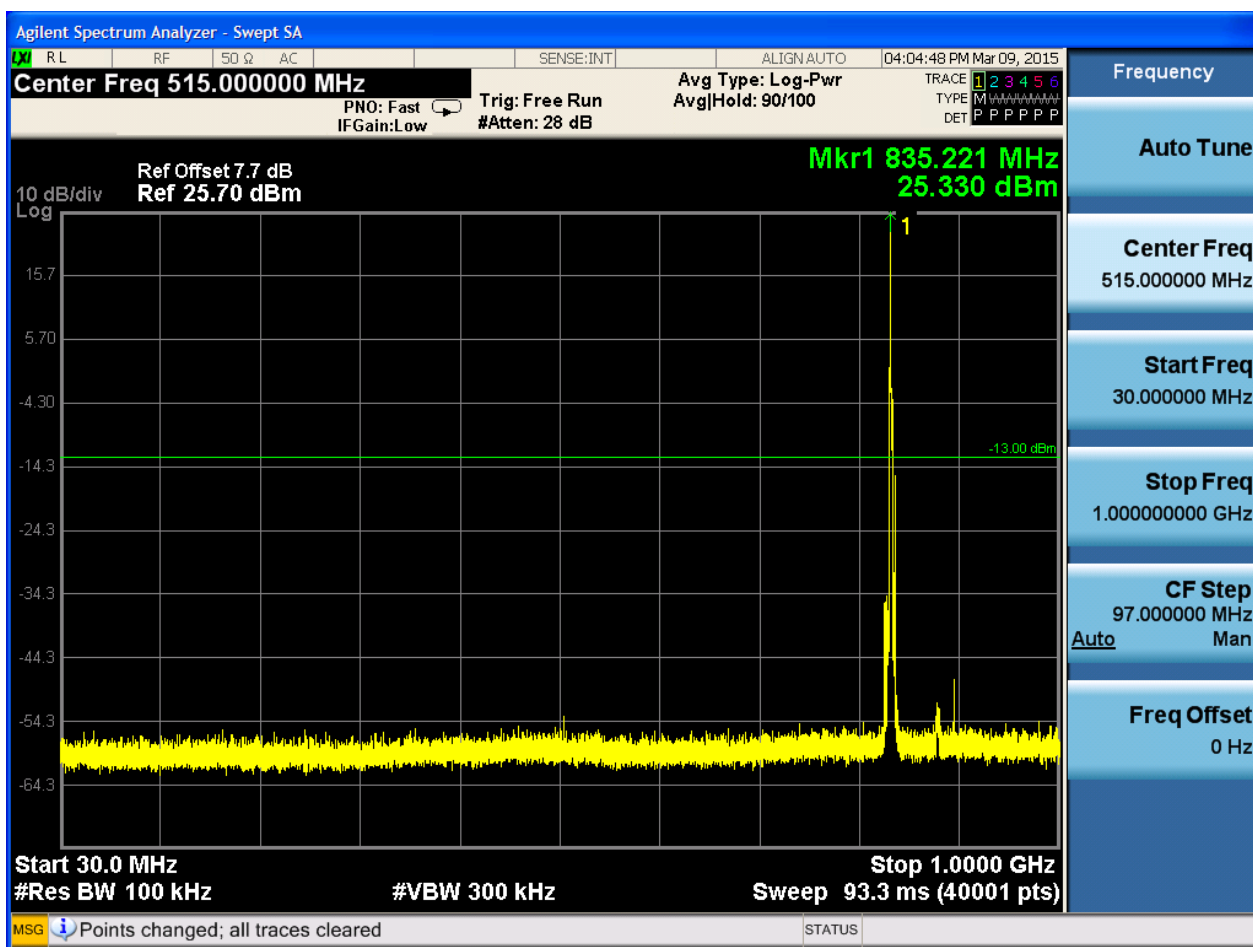


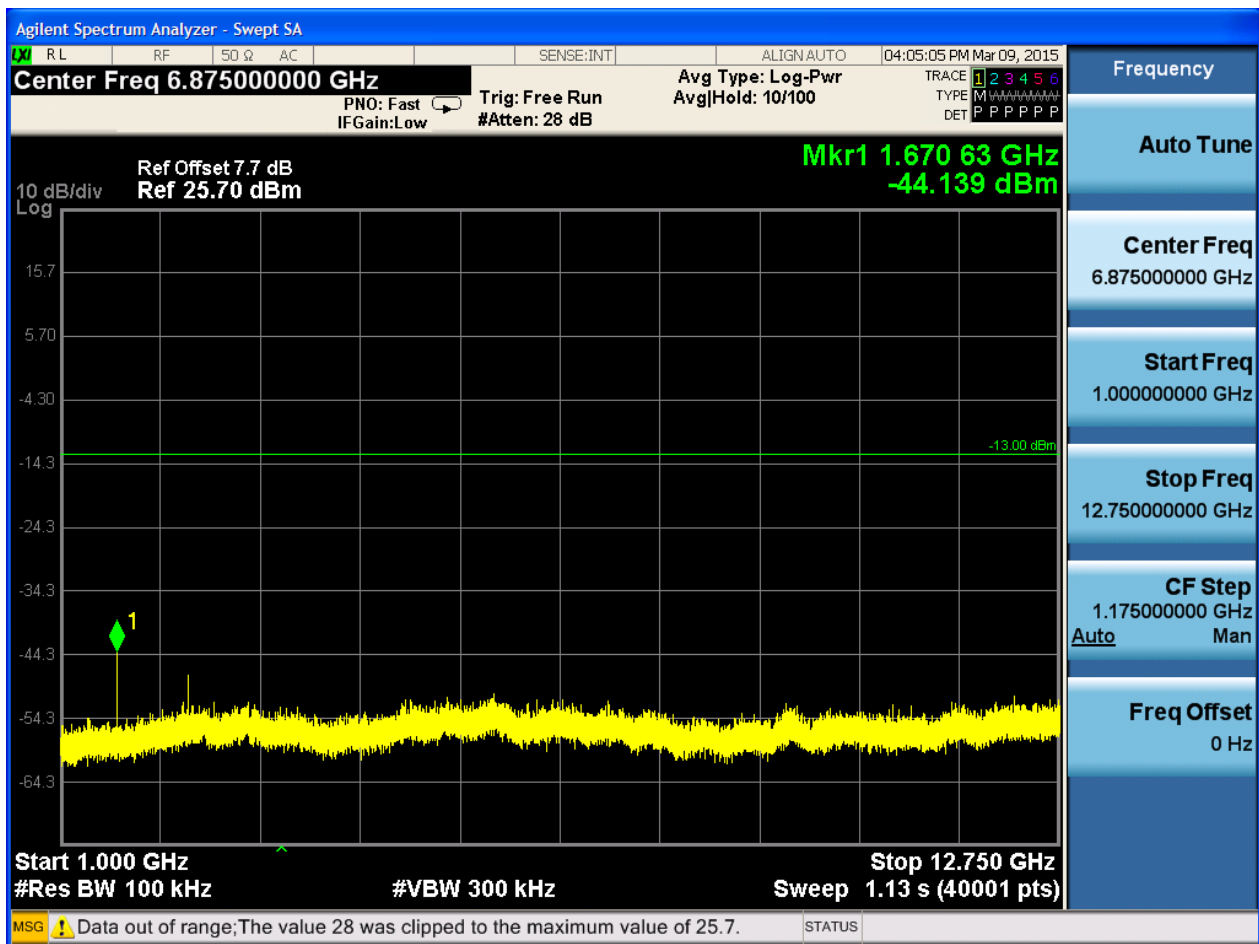
6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



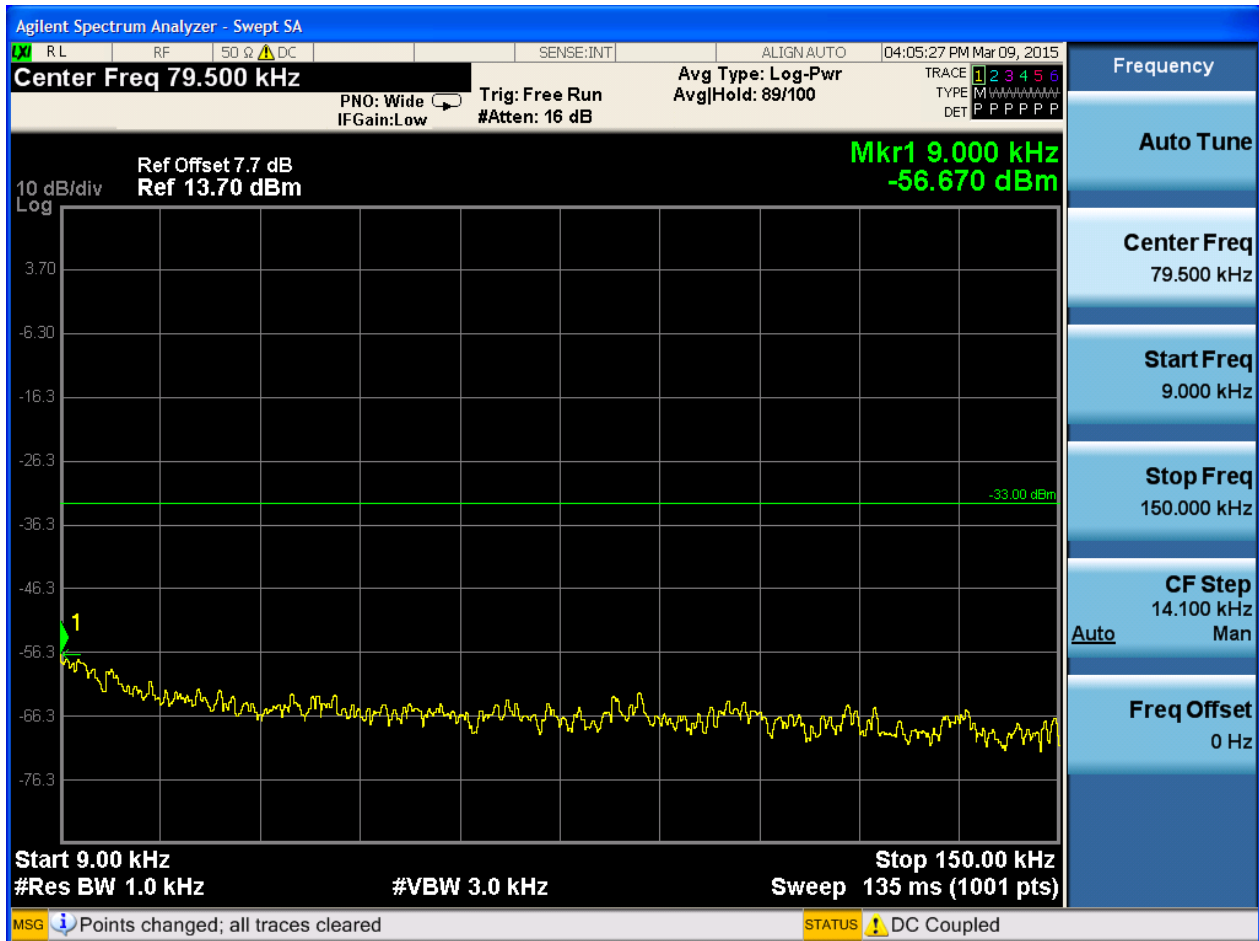


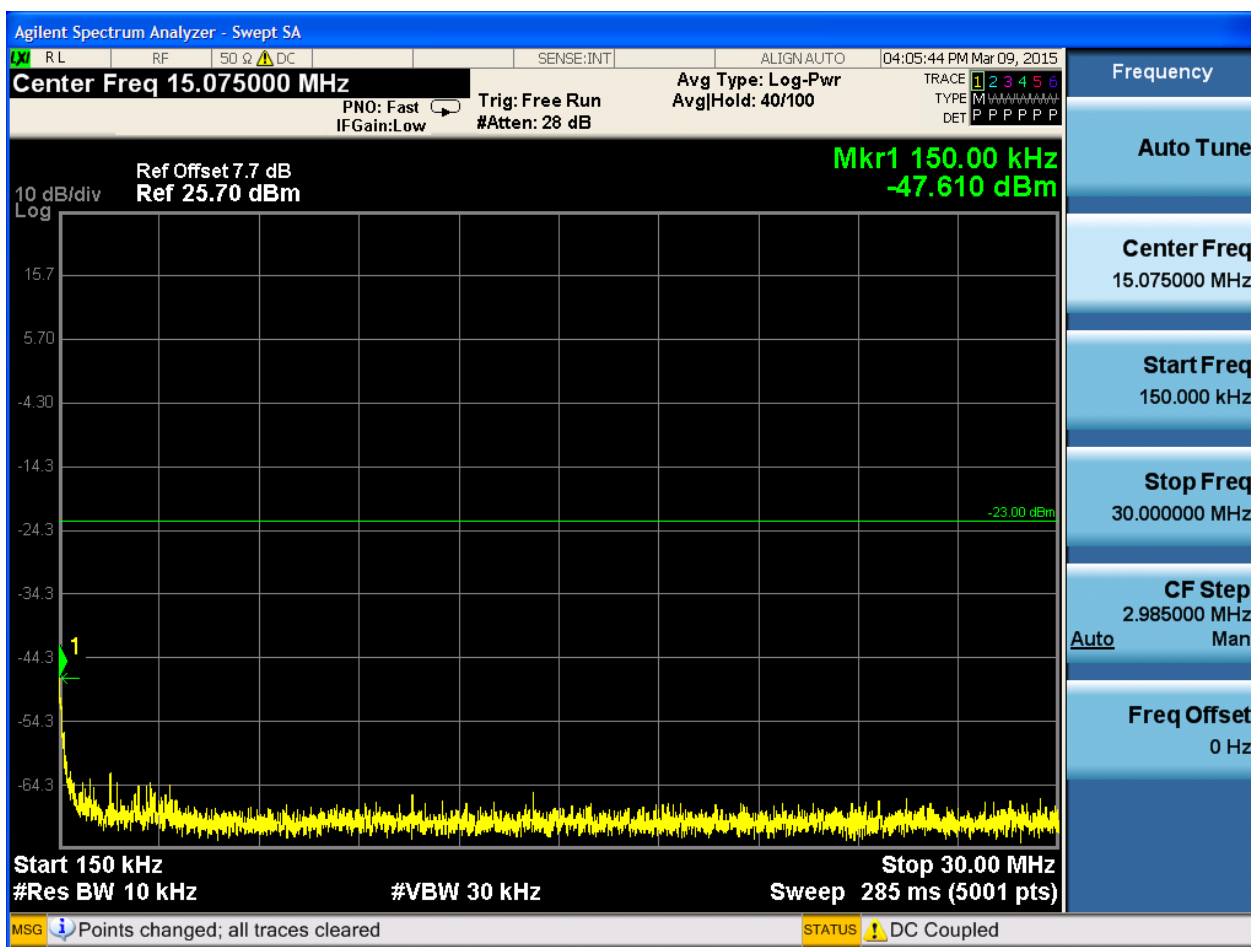


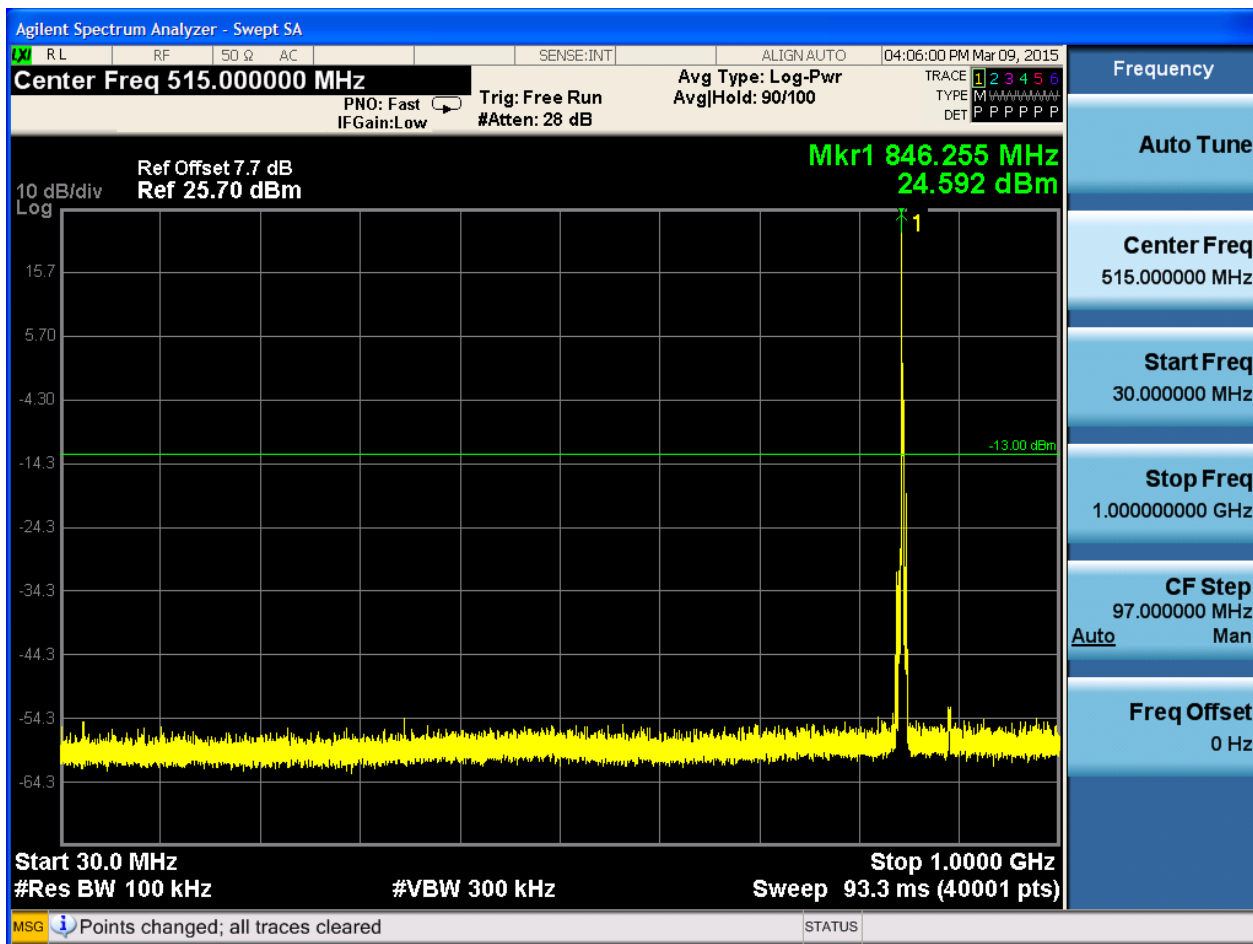


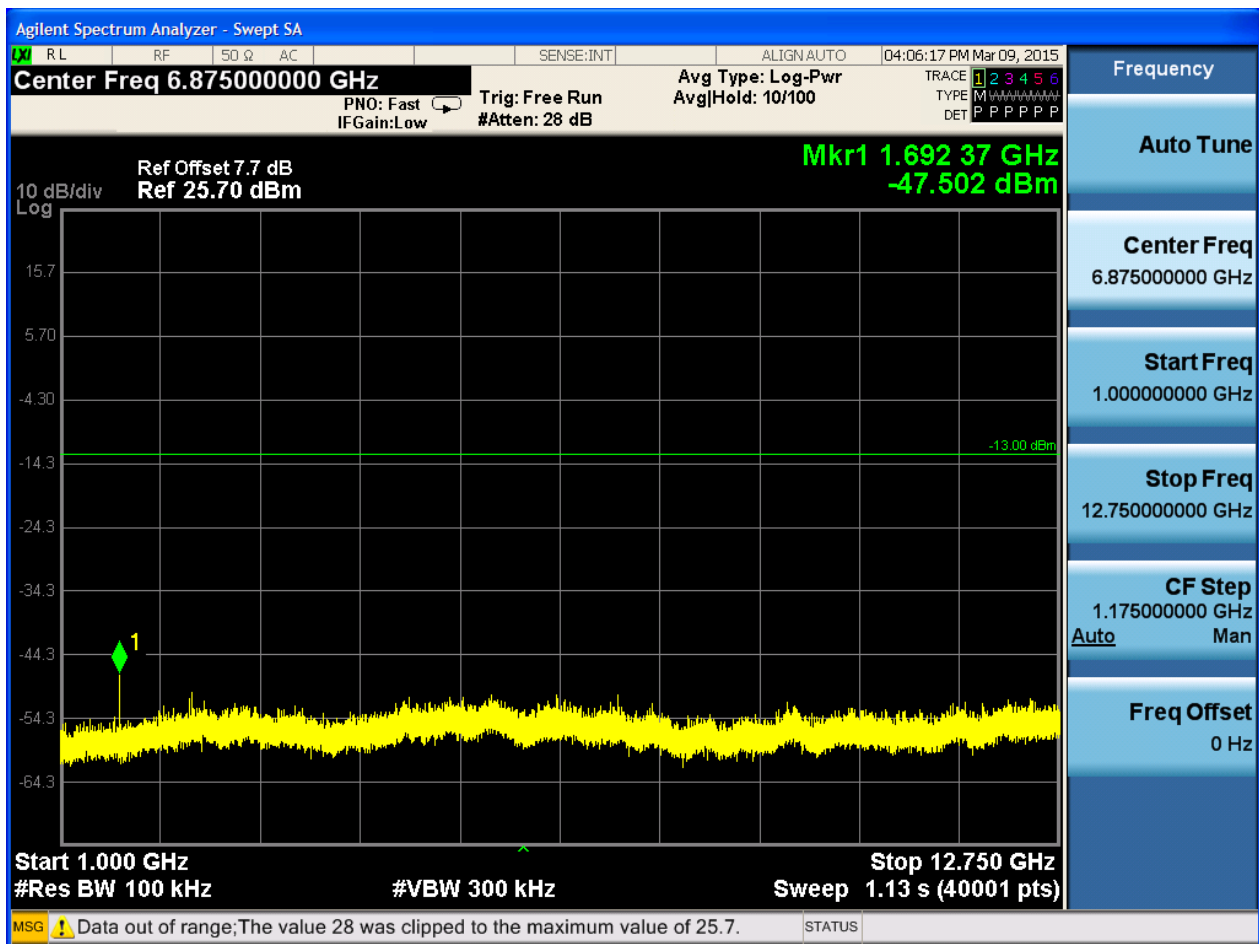
6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





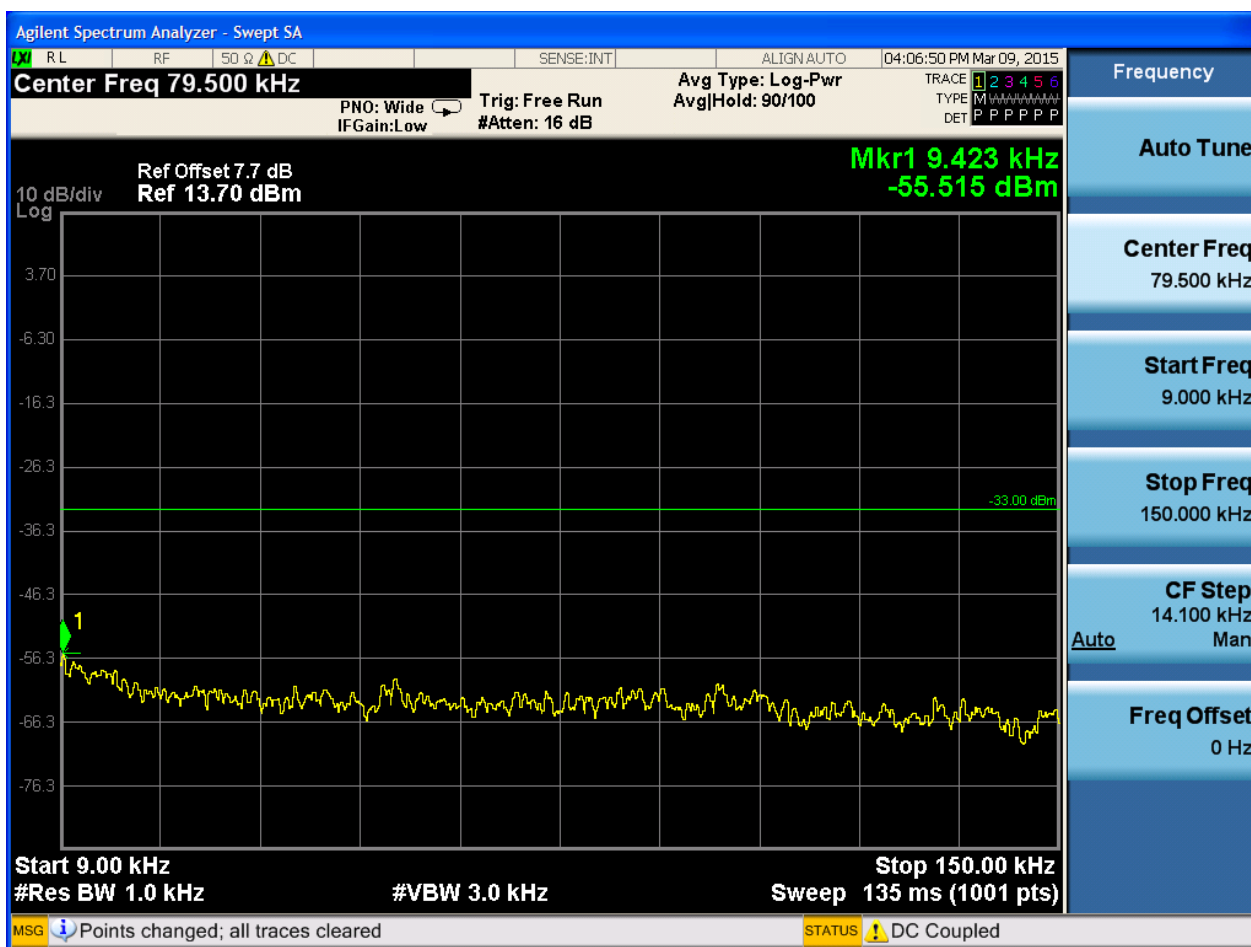


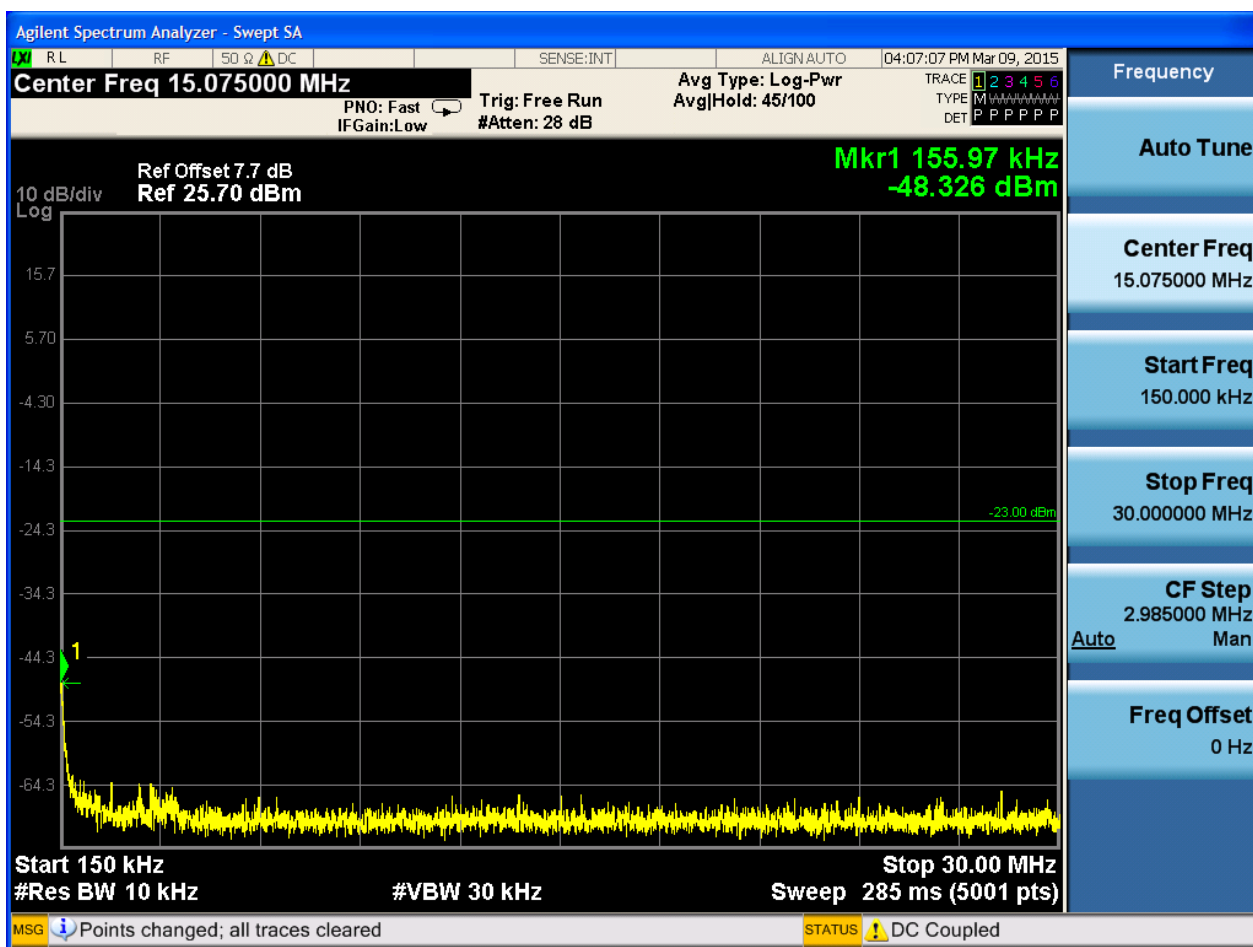


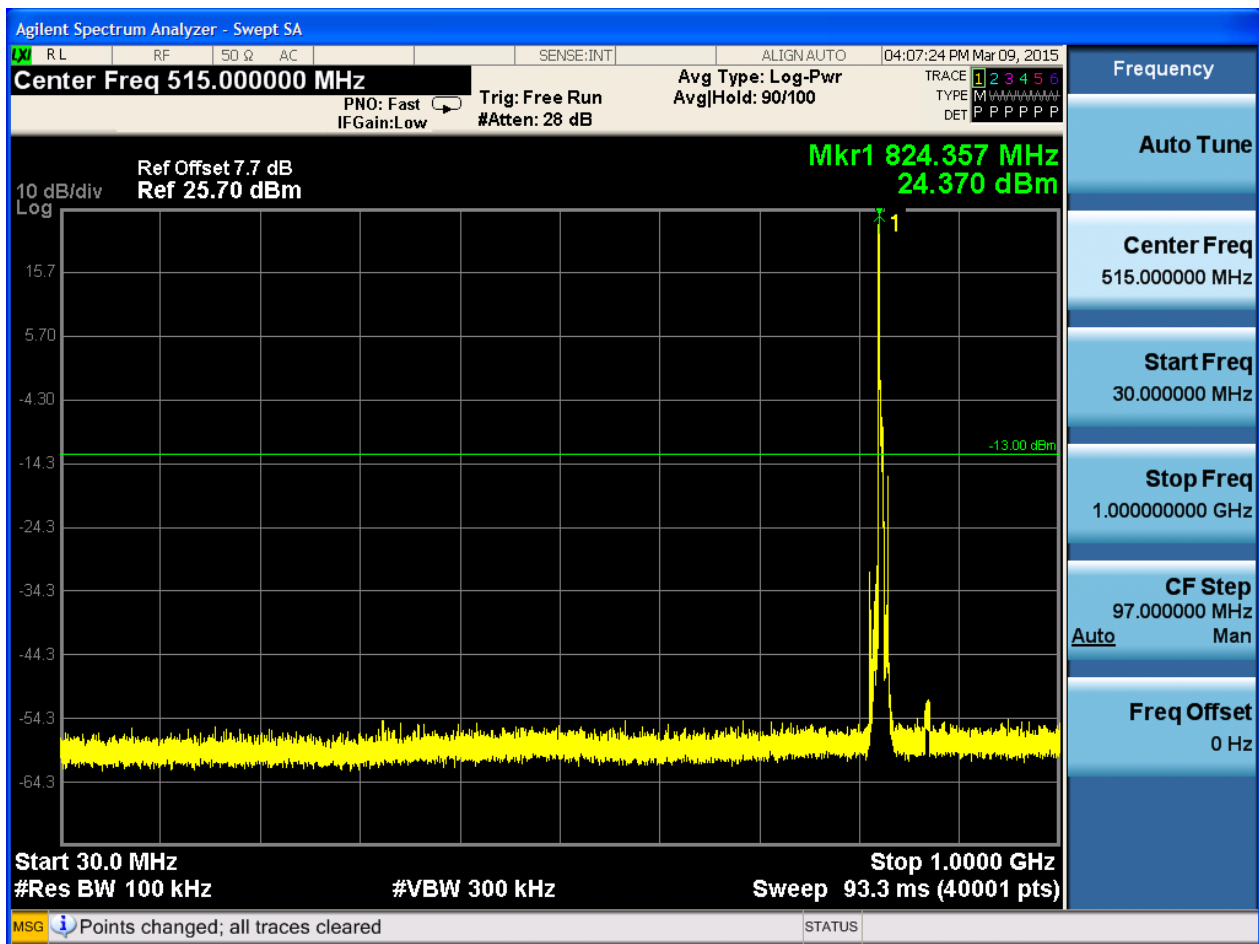
6.1.1.2.3 Test Bandwidth = 5

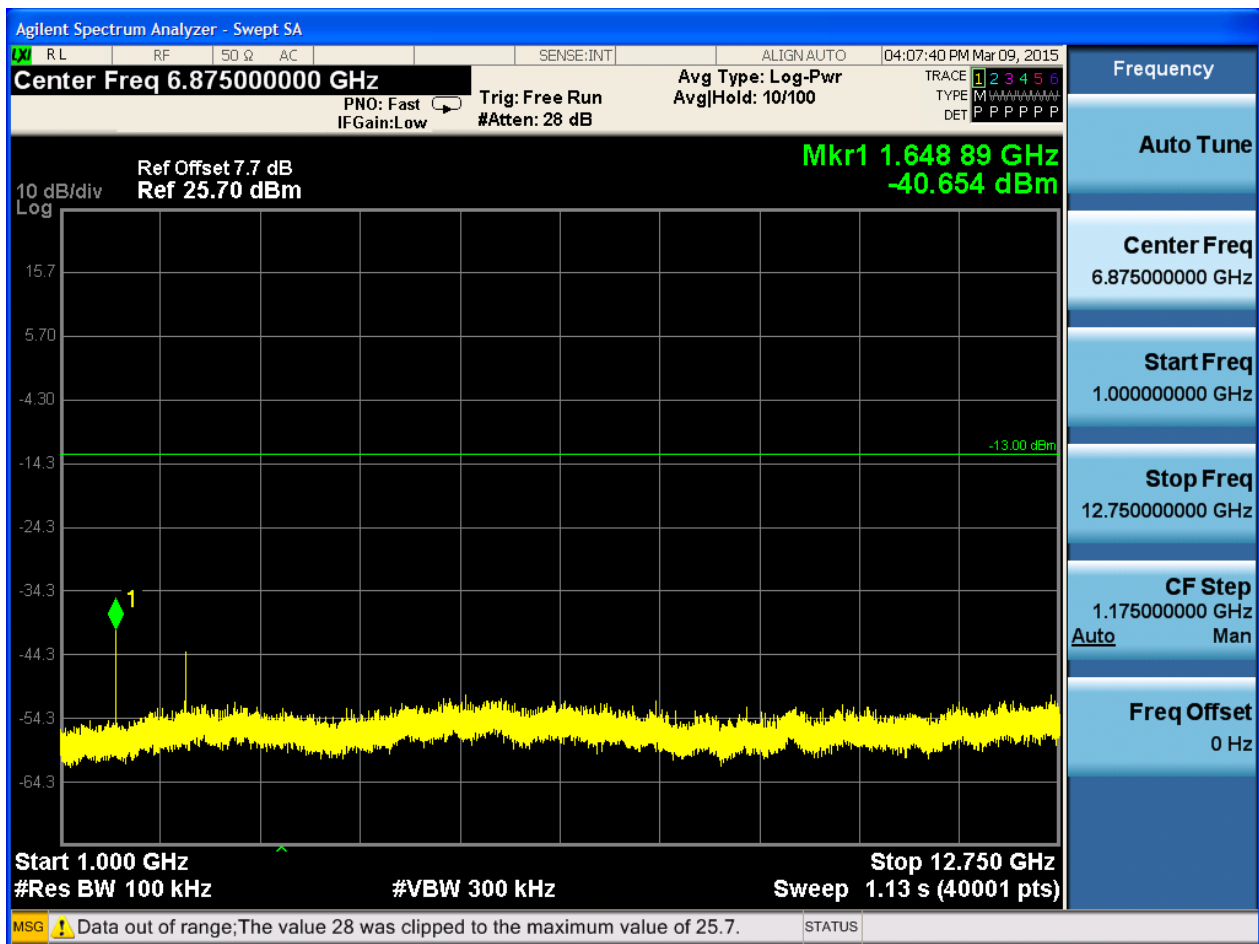
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0





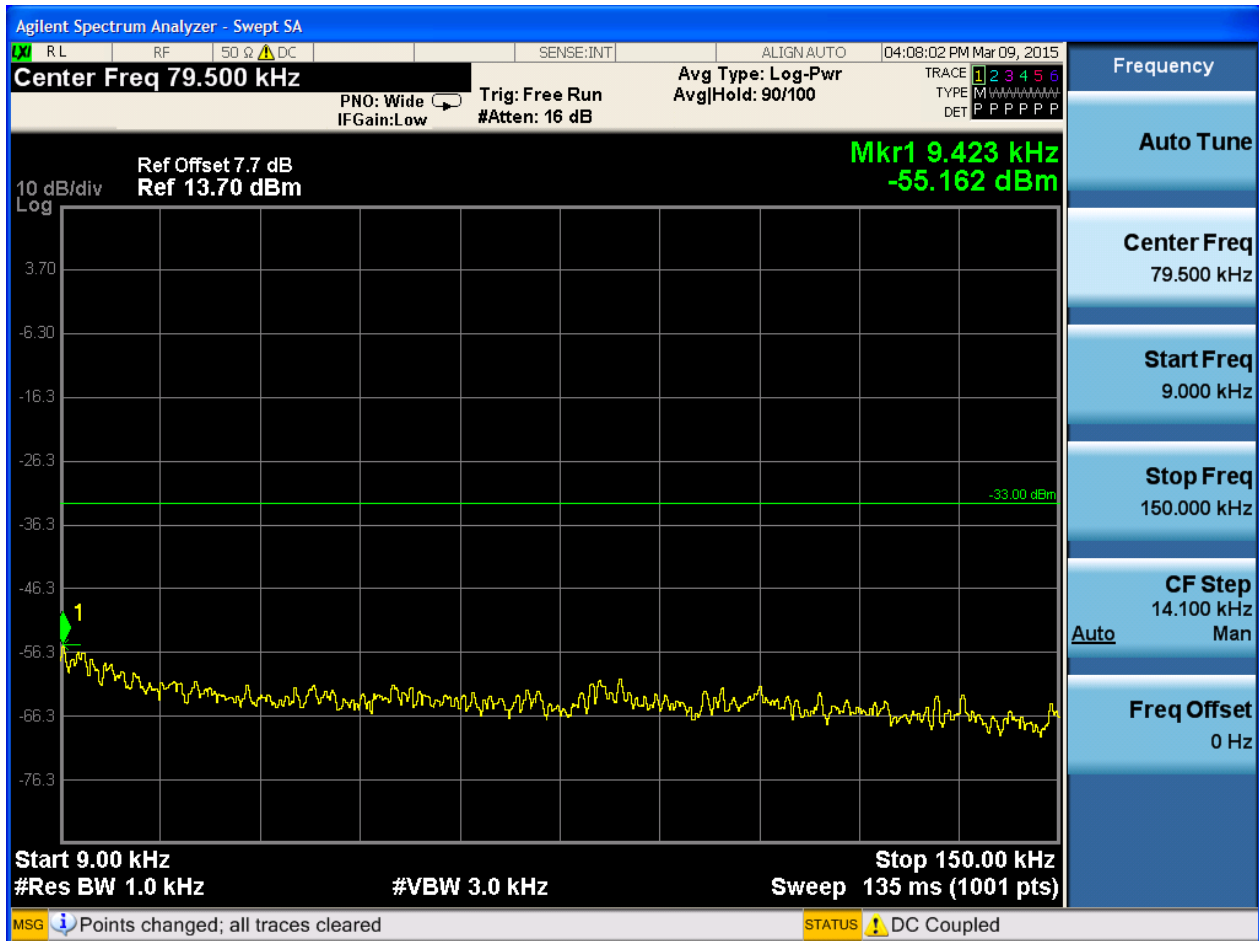


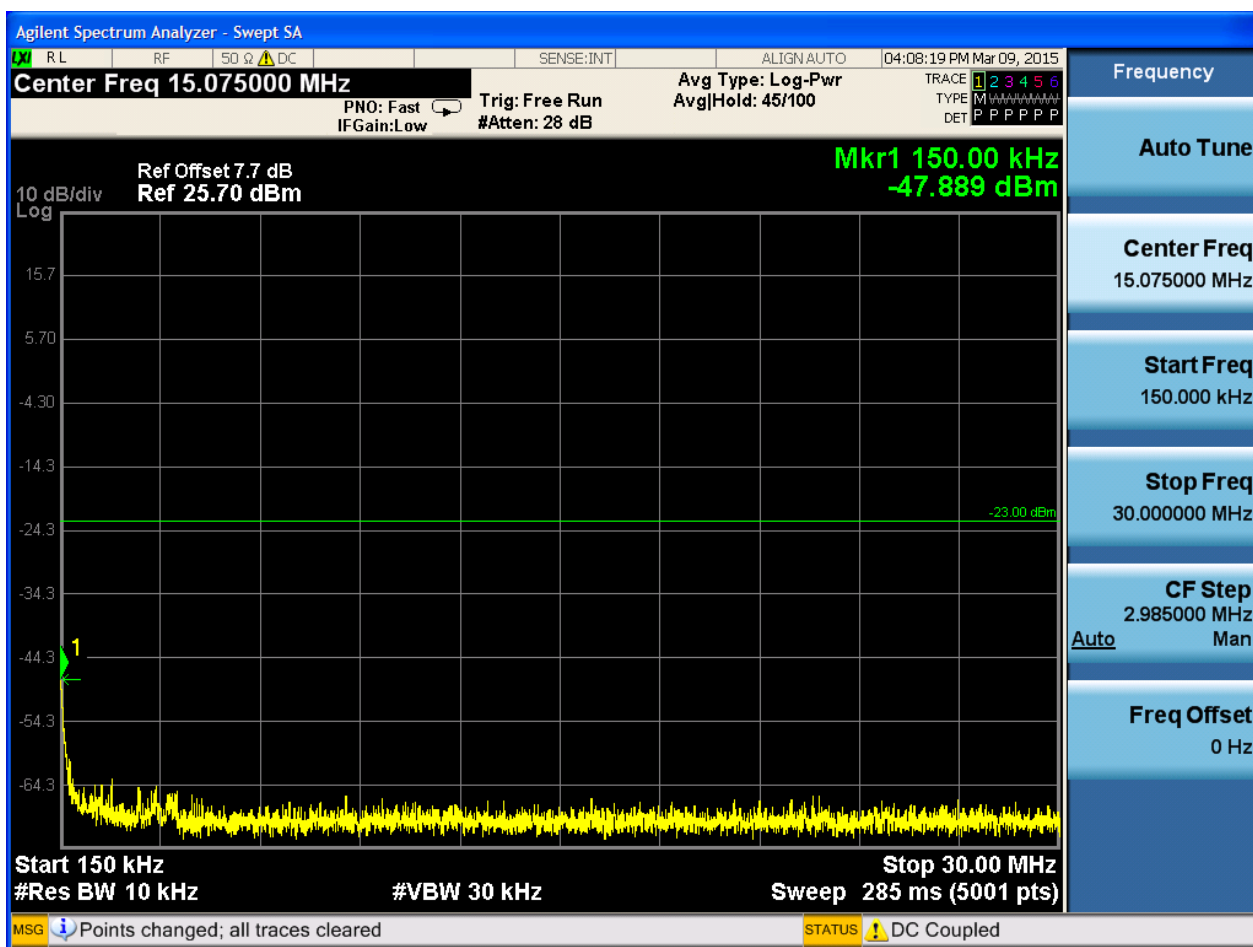


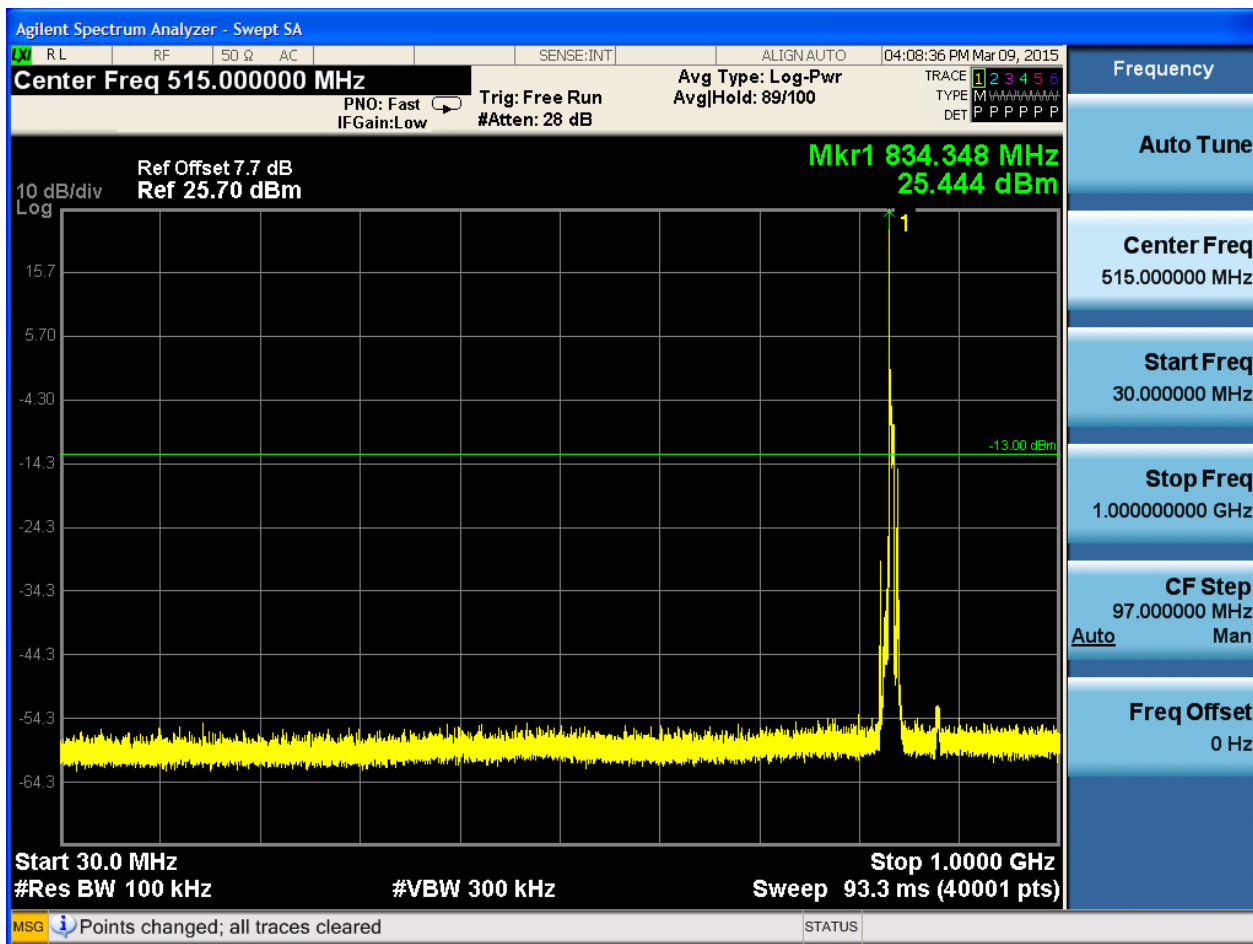


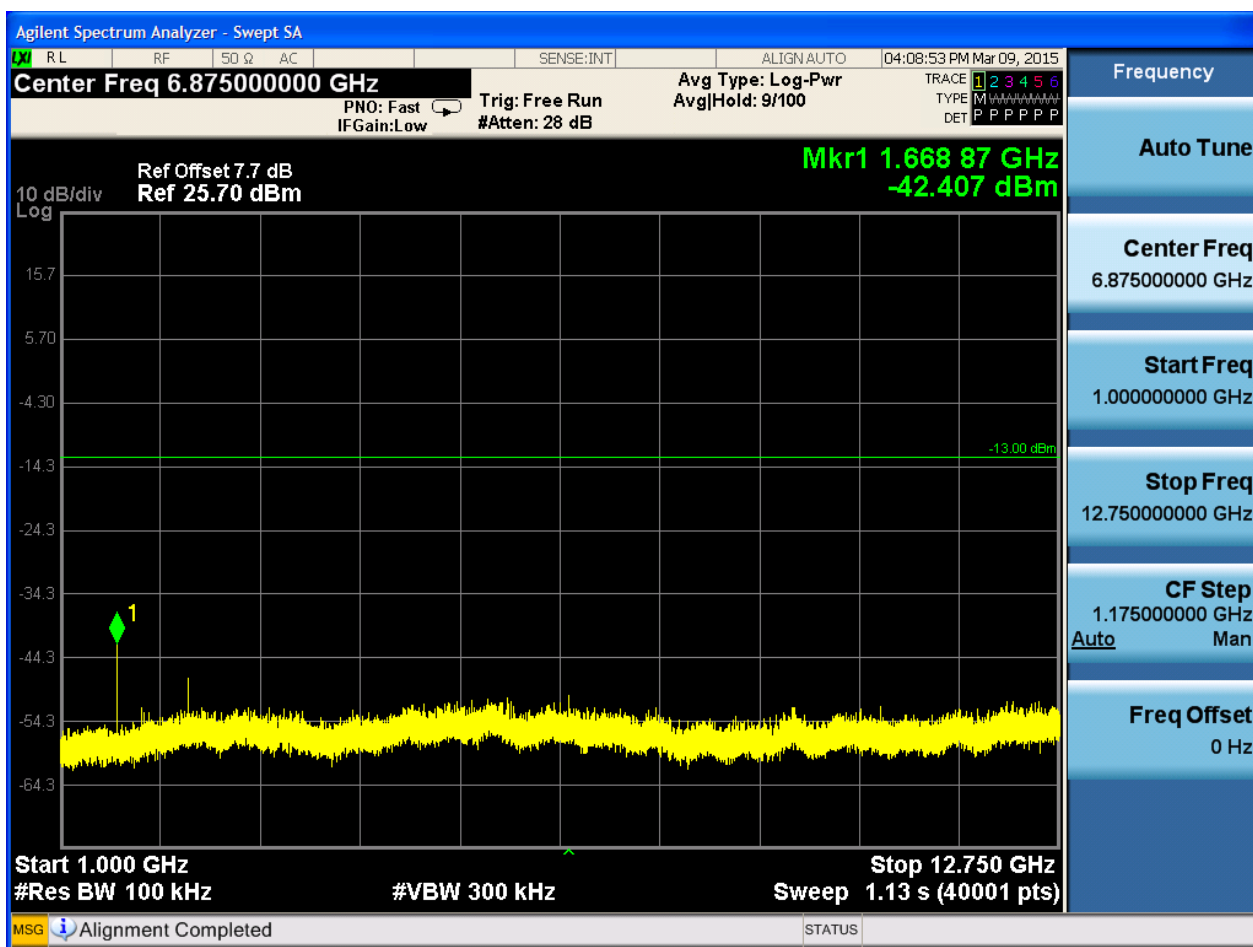
6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



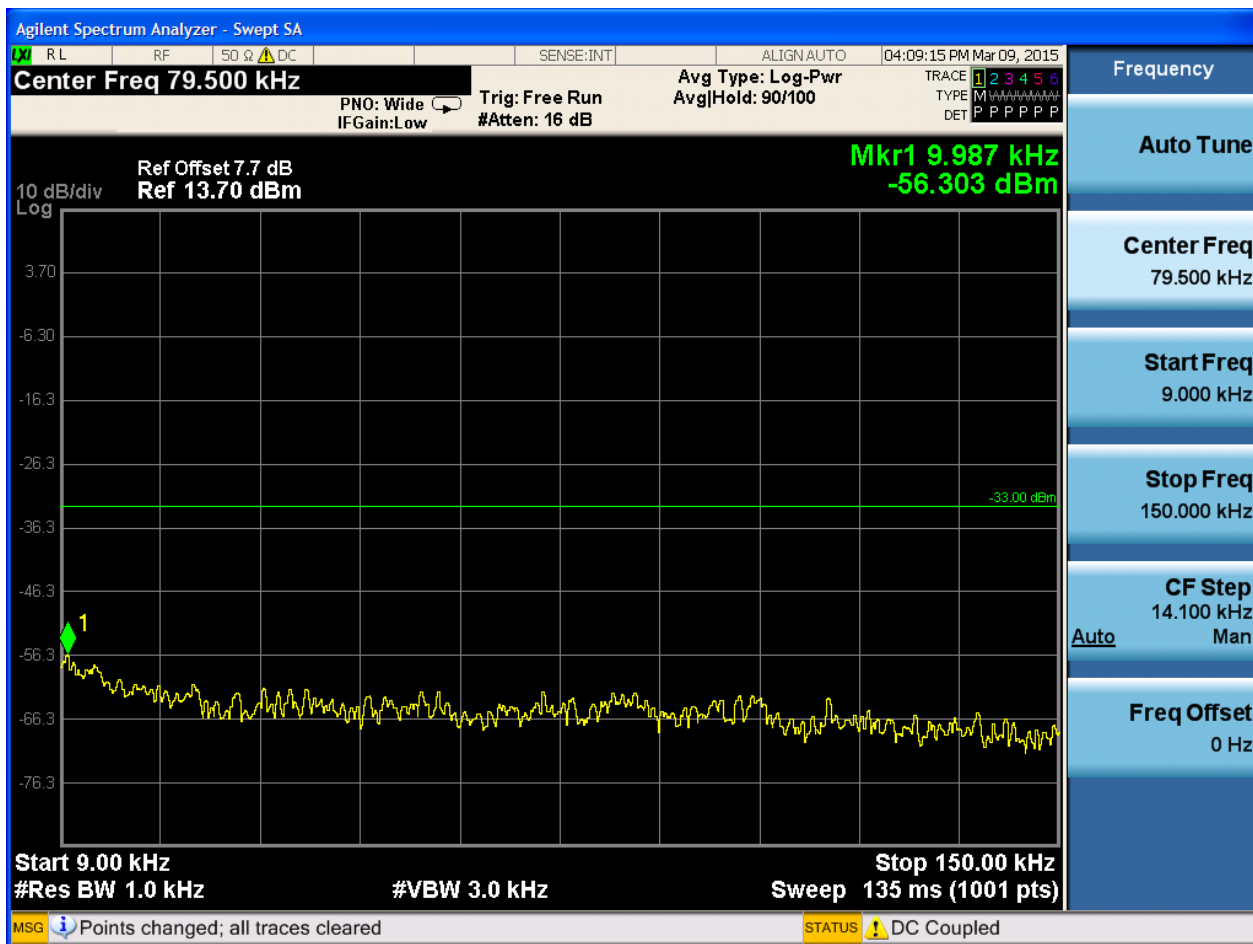


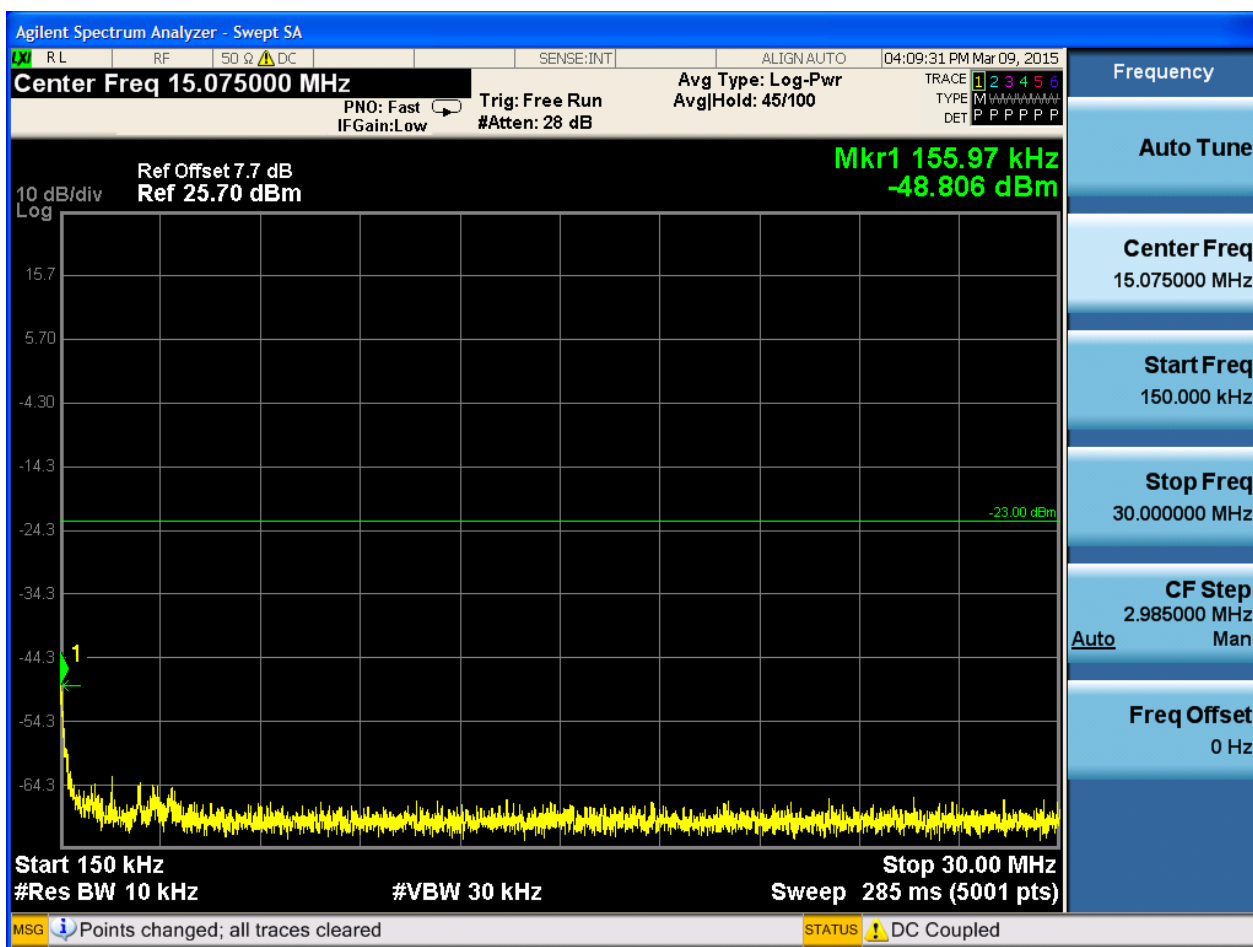


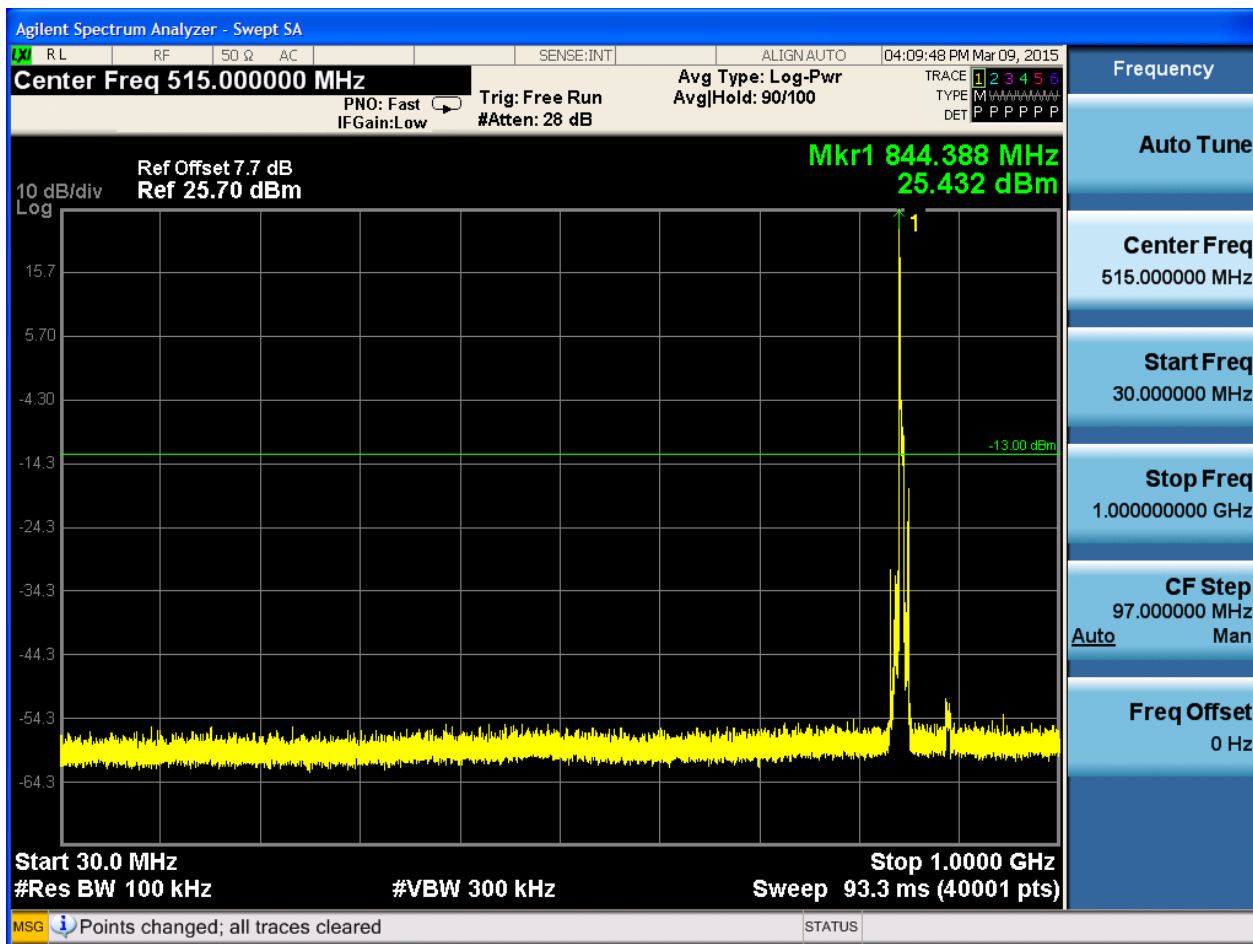


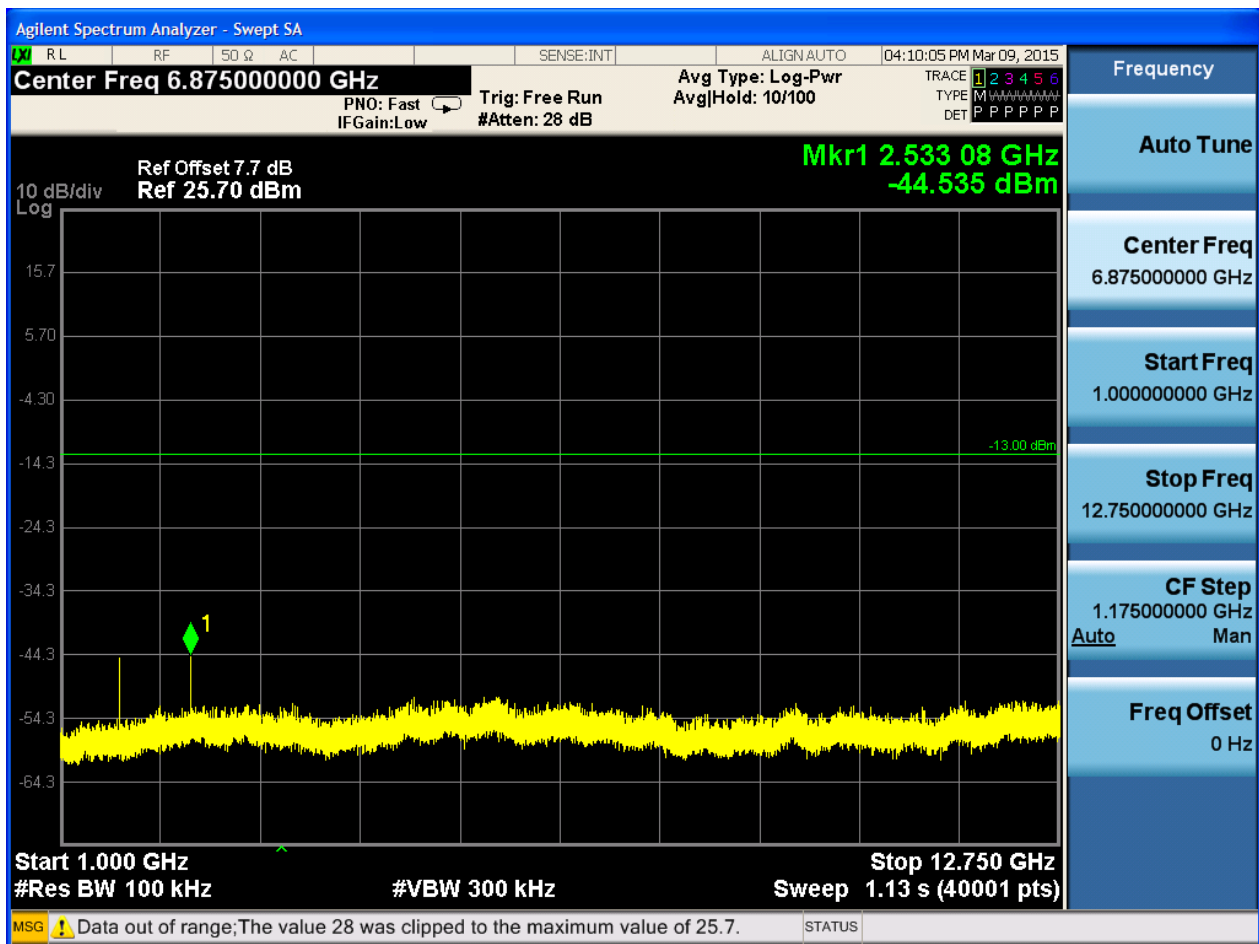
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





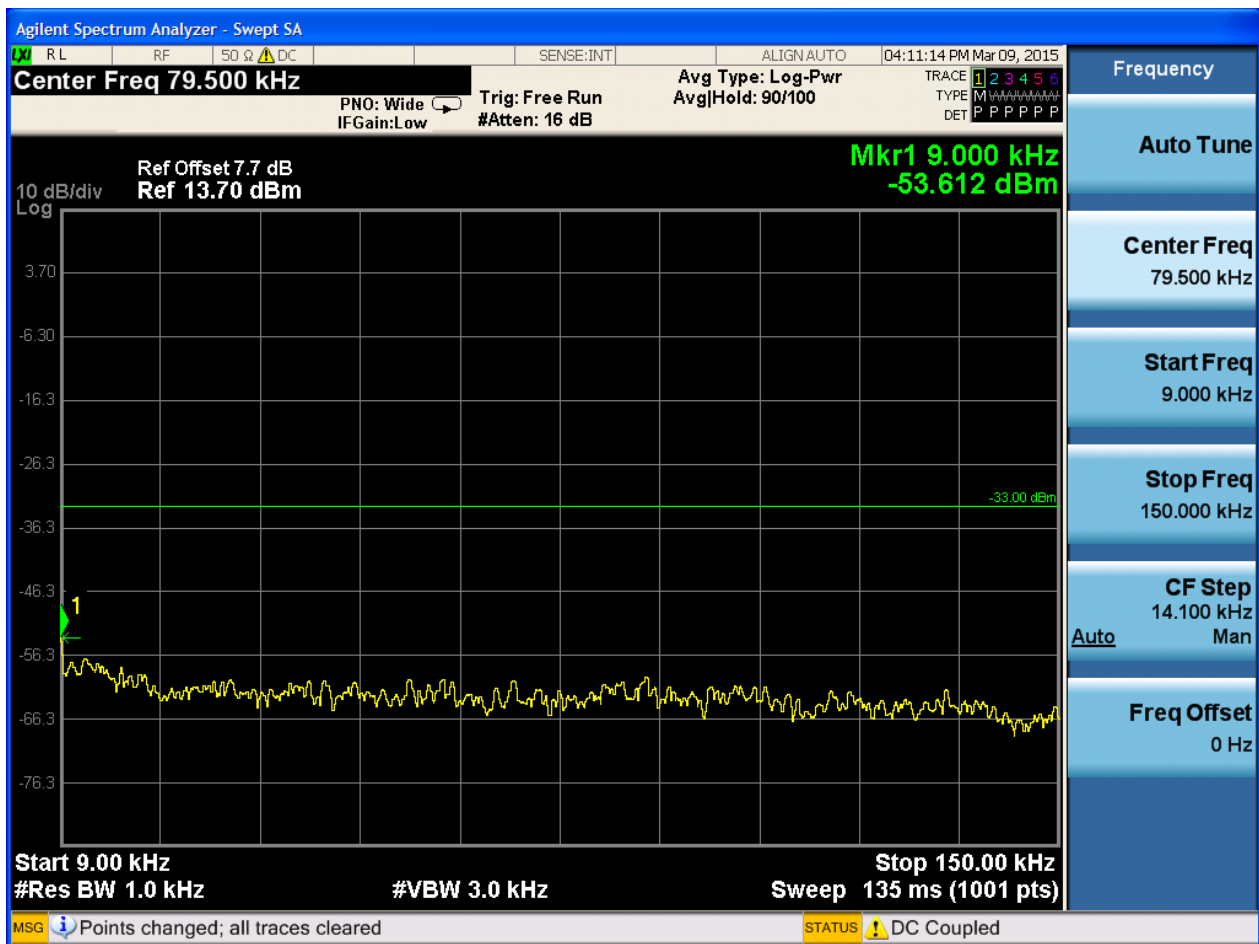


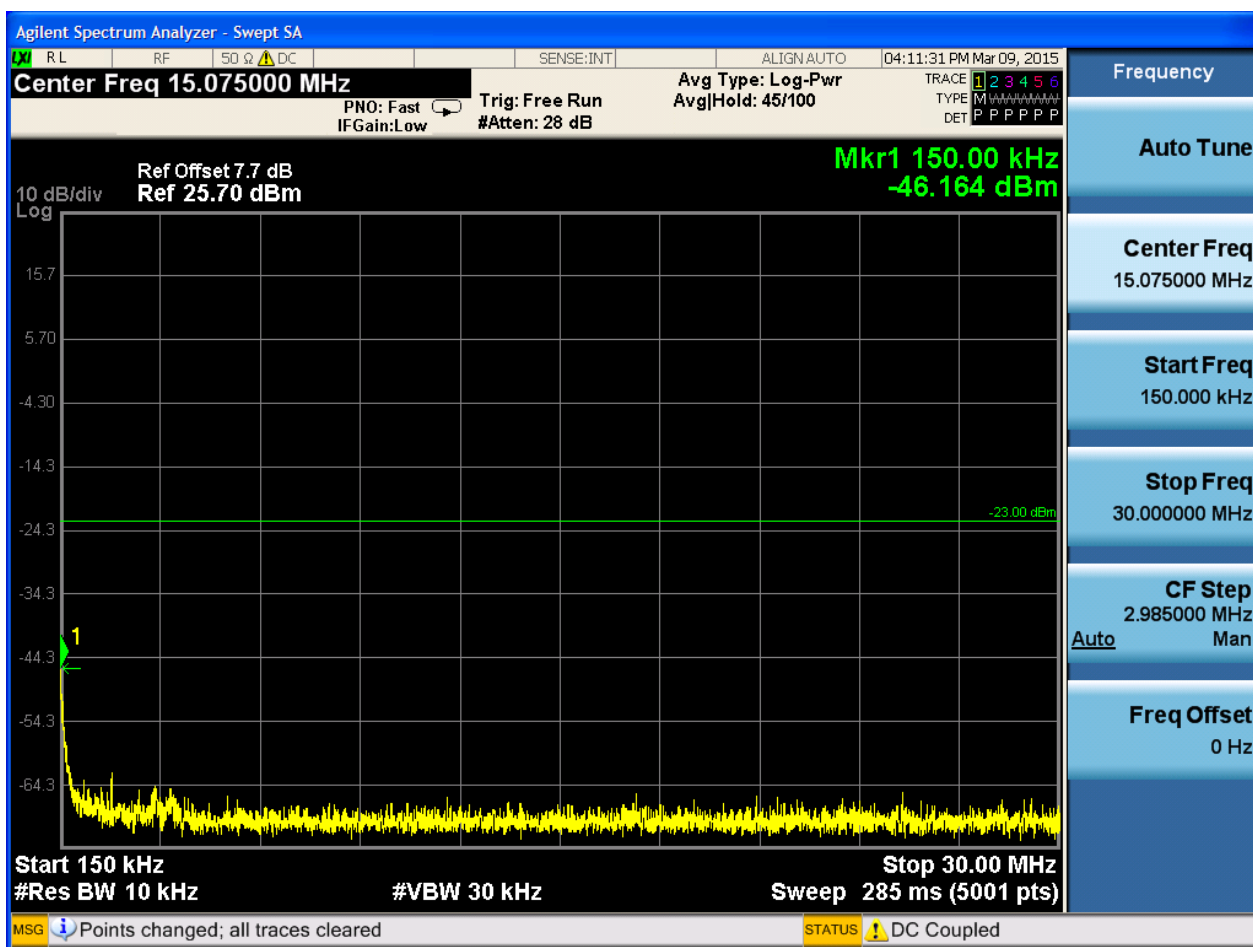


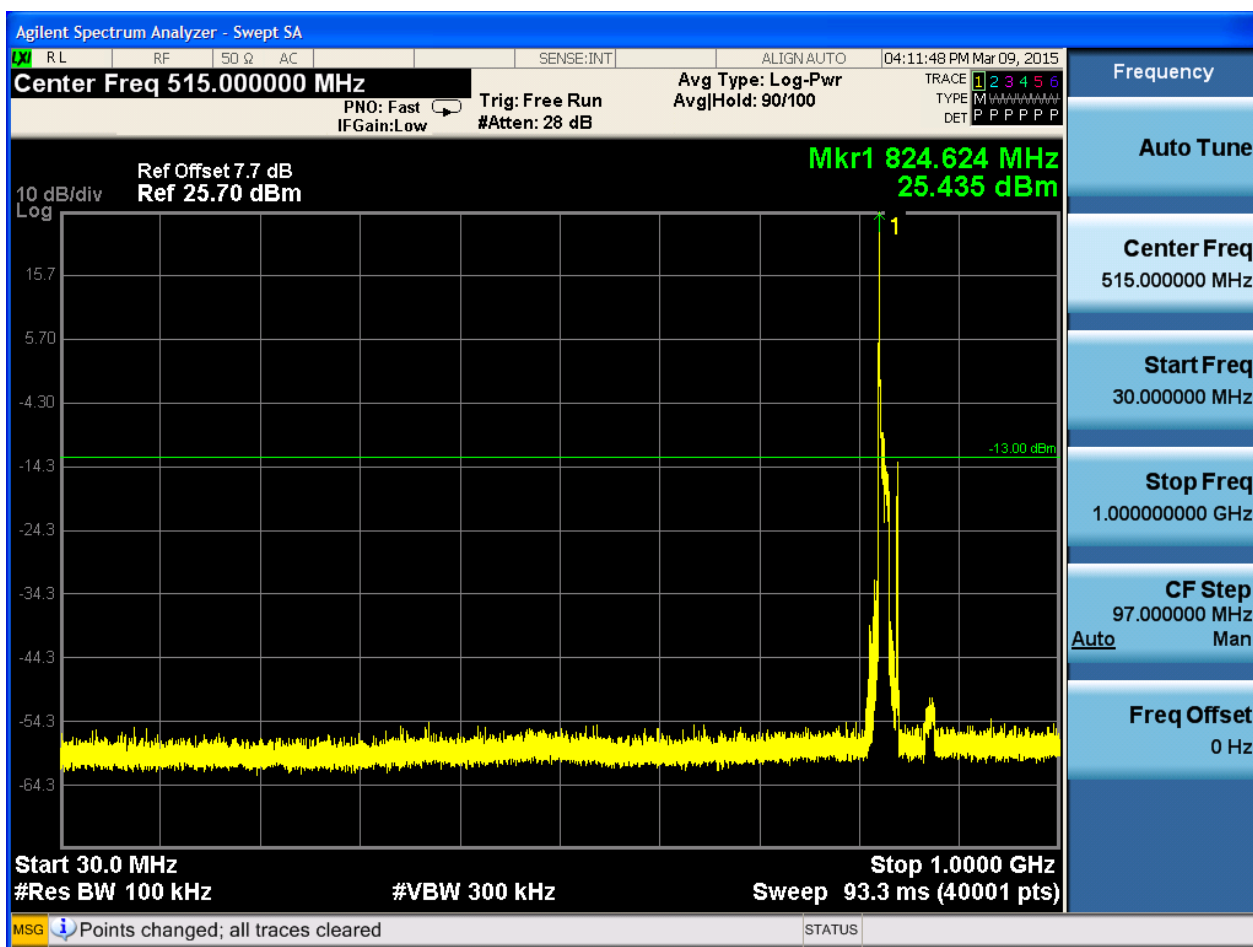
6.1.1.2.4 Test Bandwidth = 10

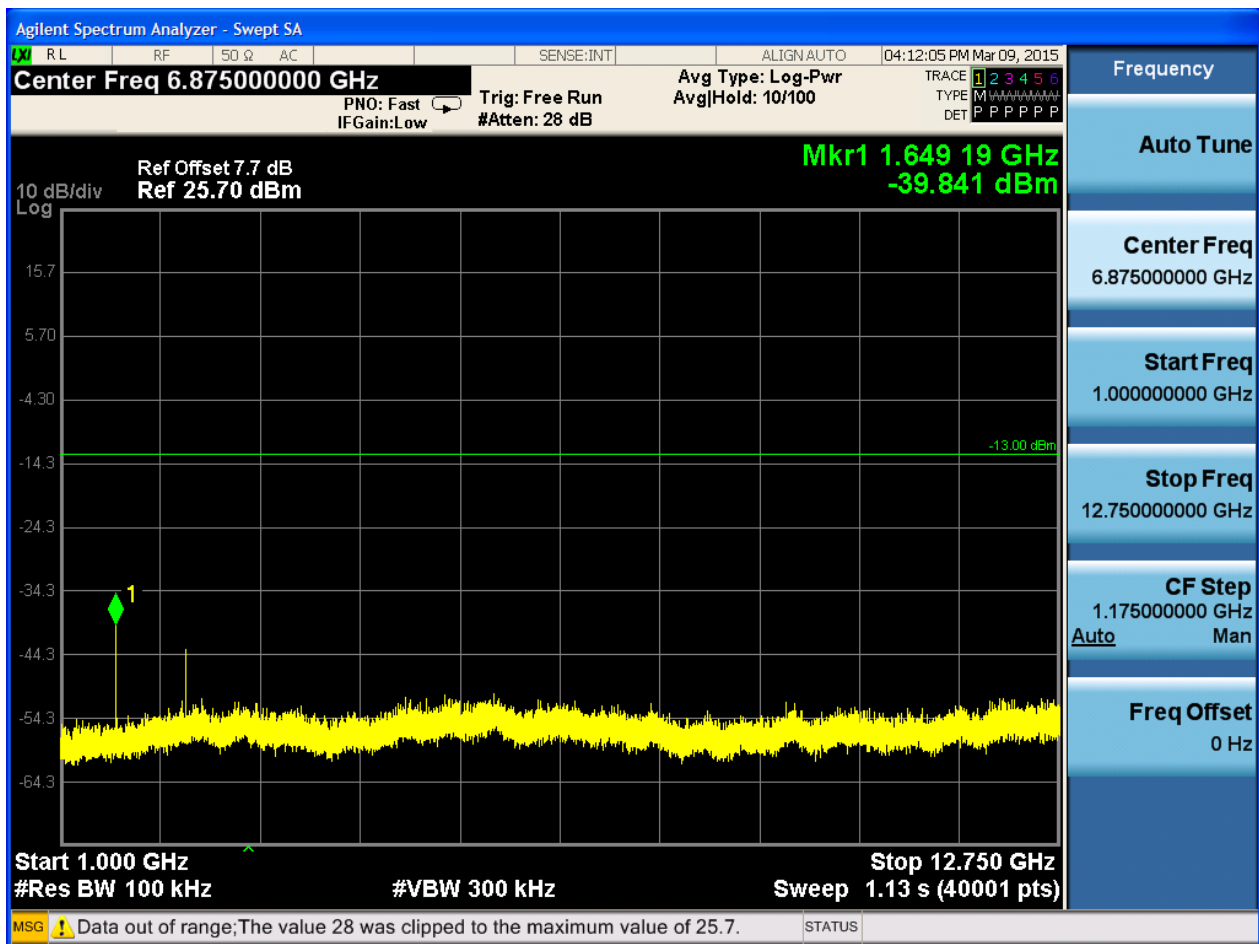
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0





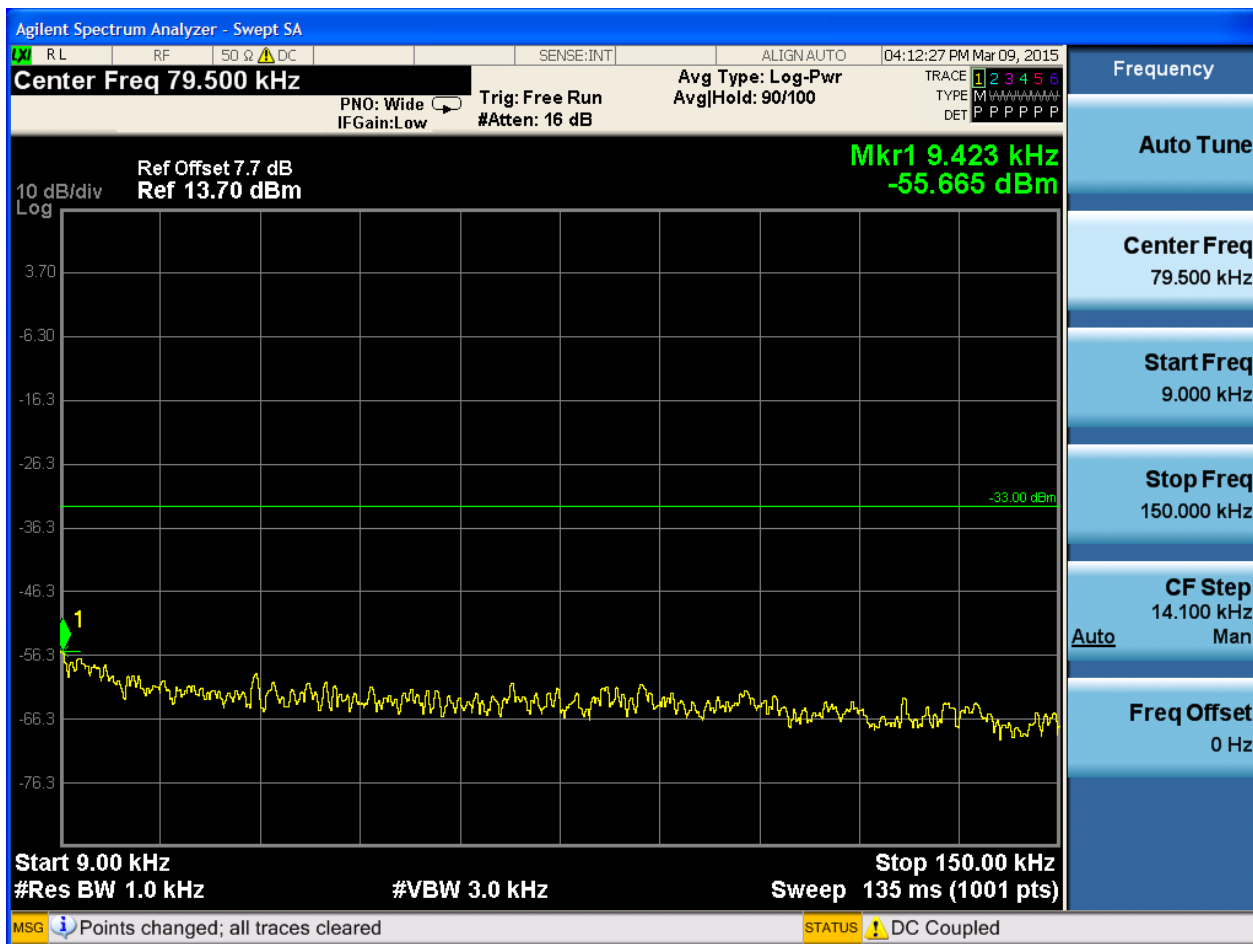


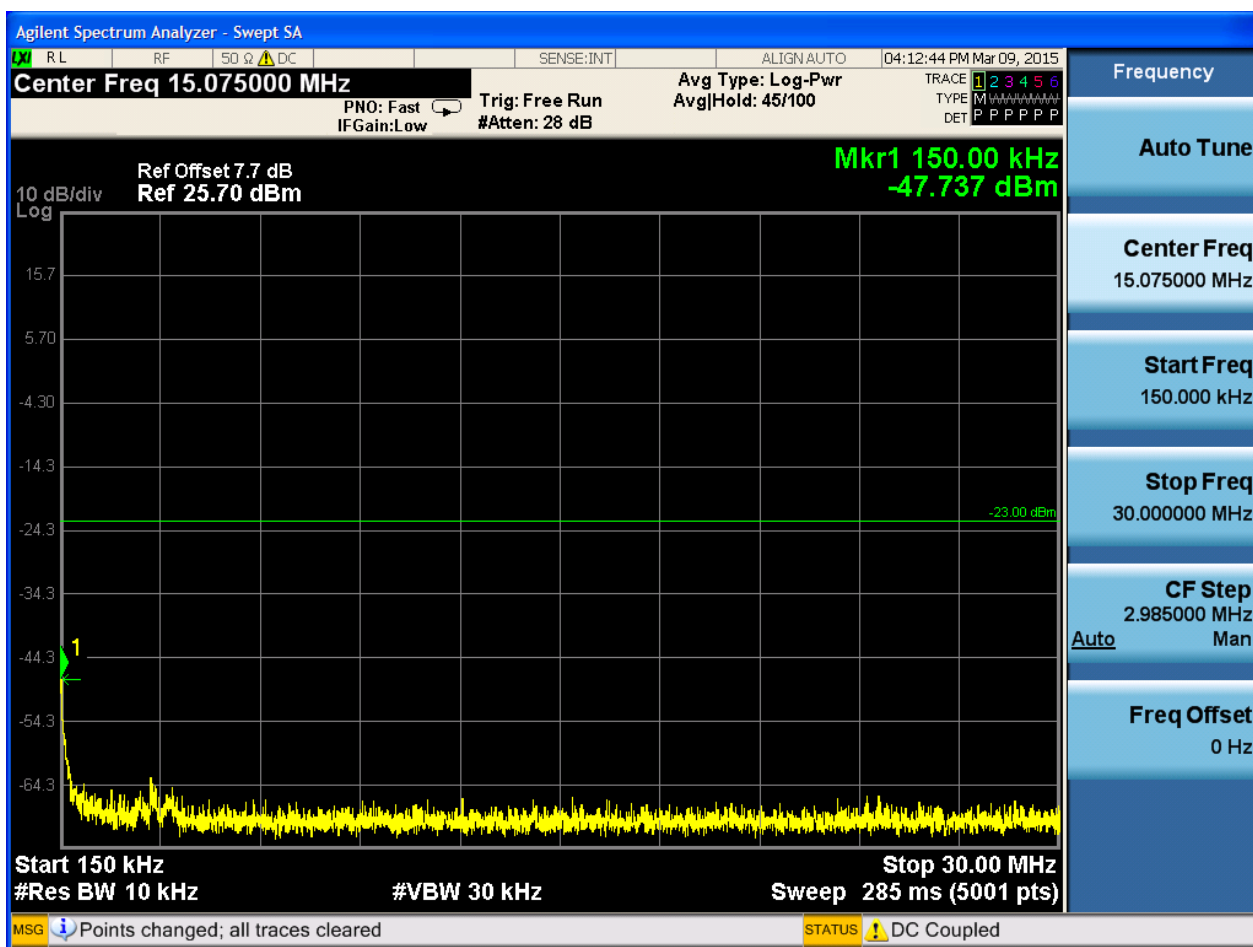


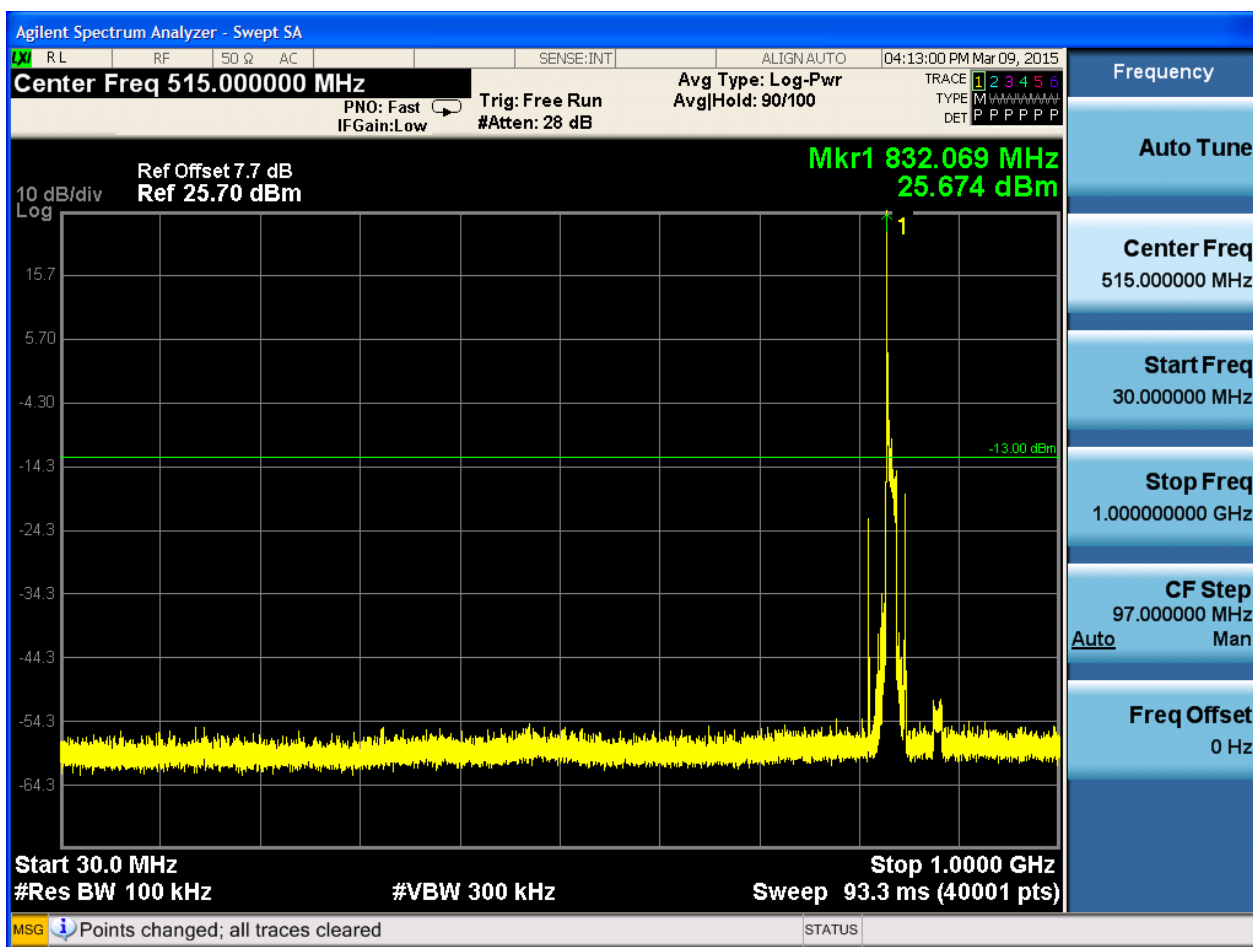


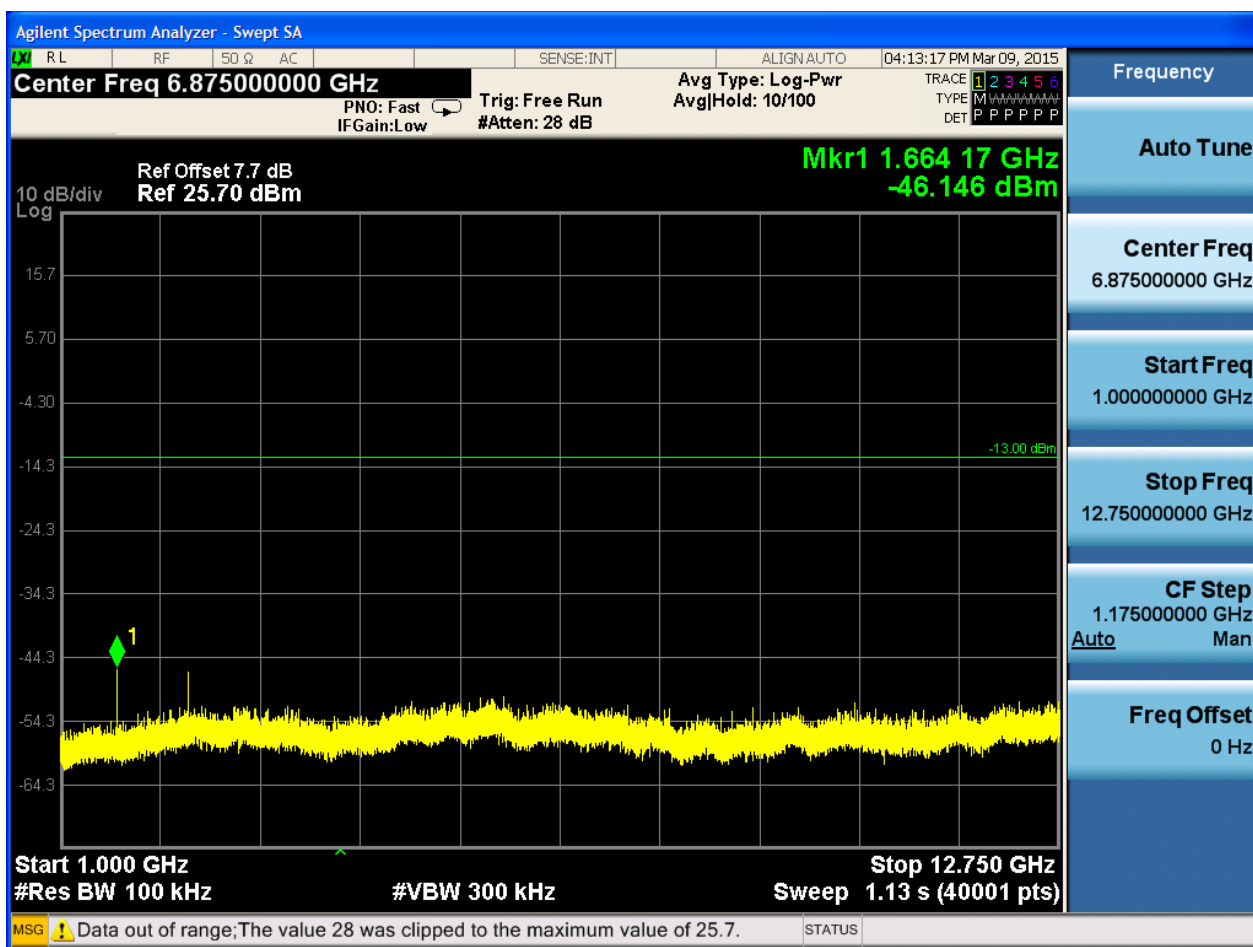
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





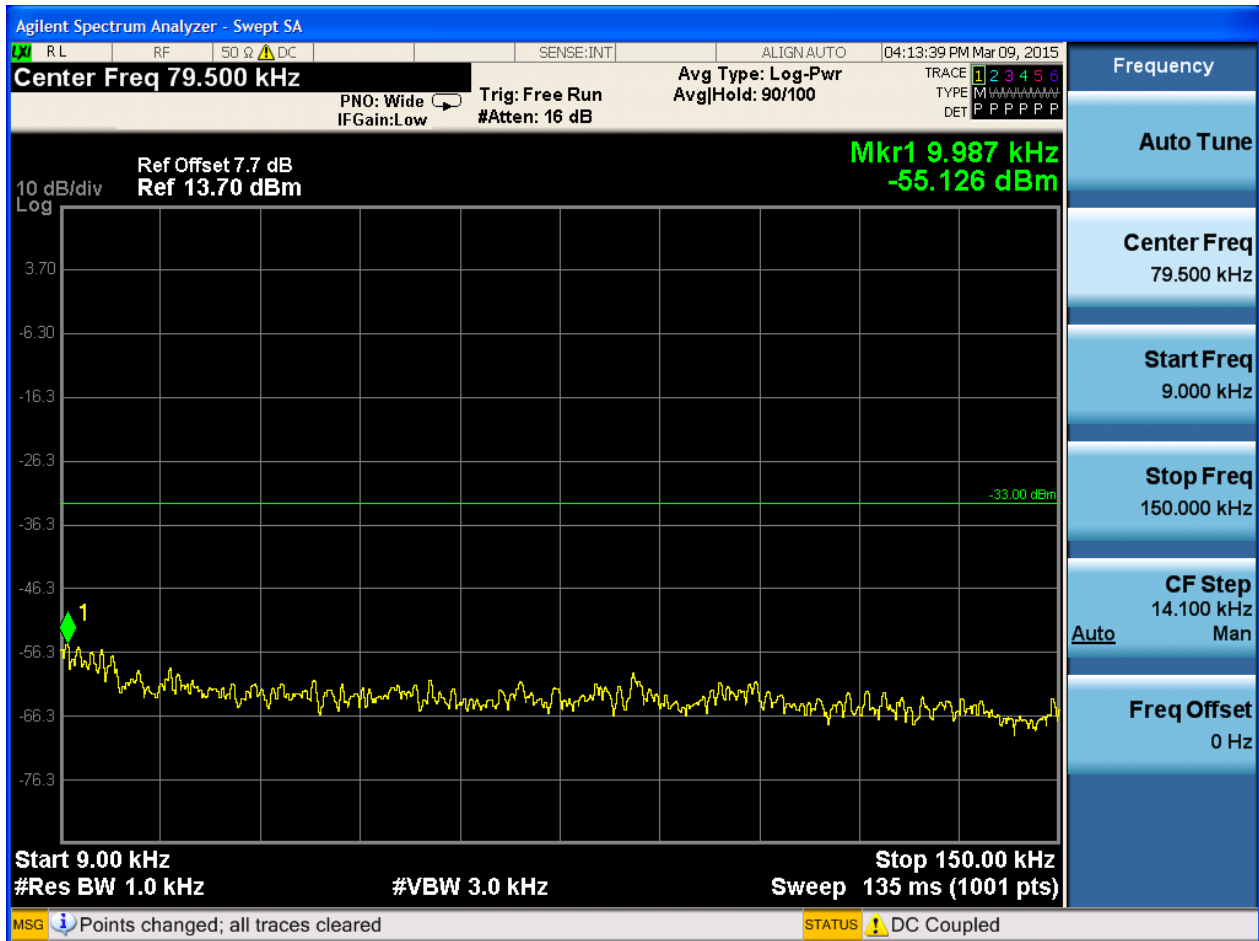


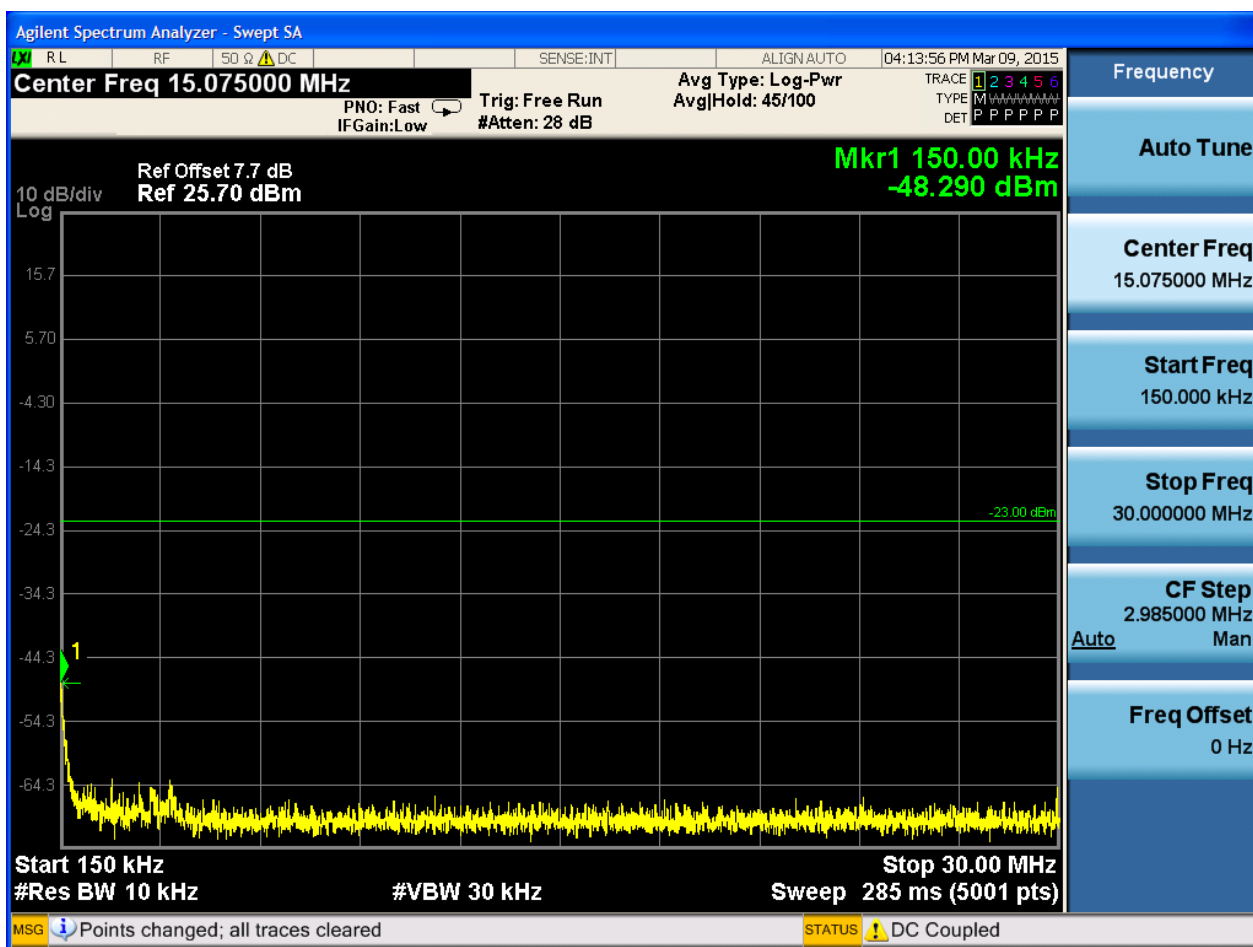


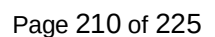
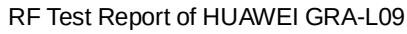


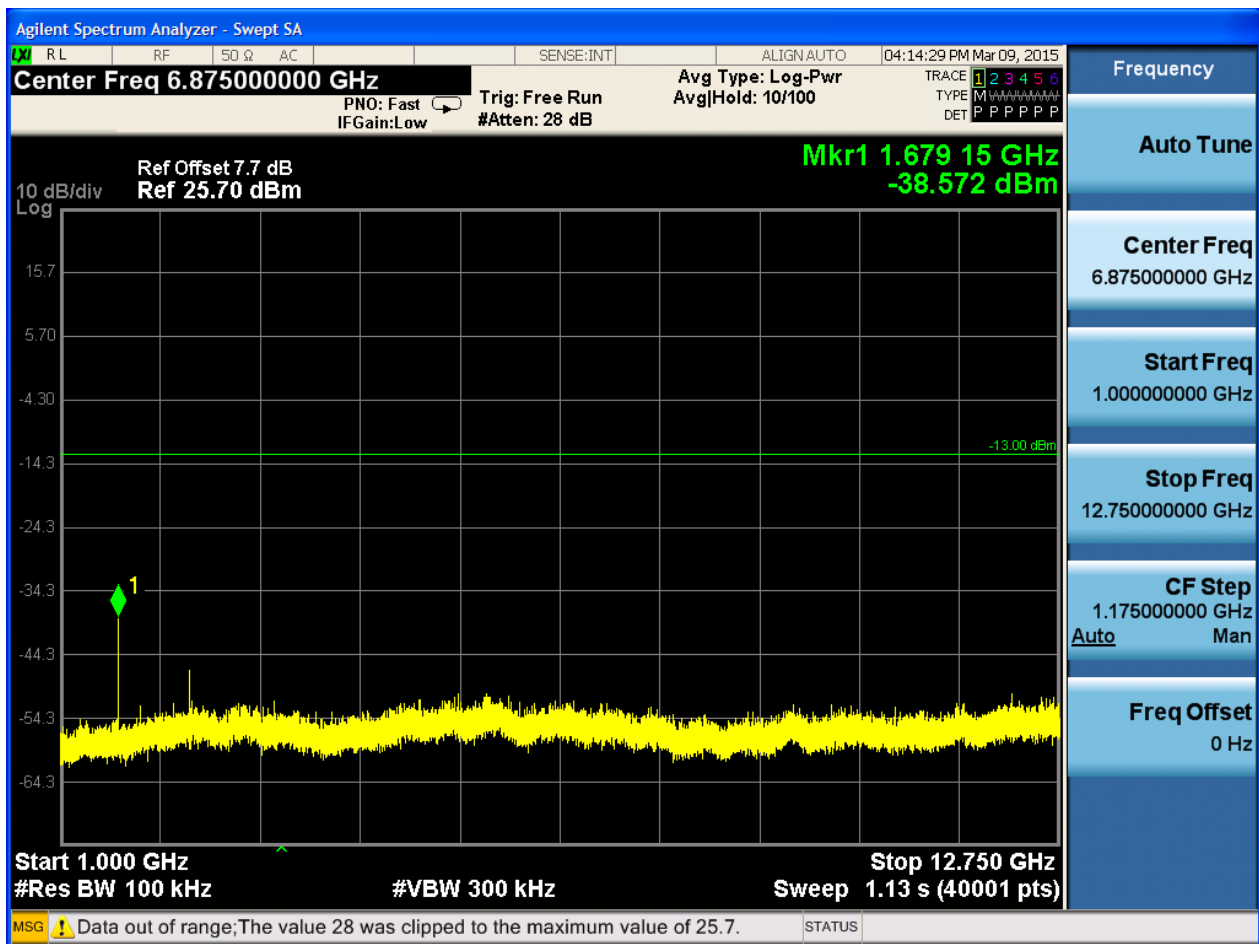
6.1.1.2.4.3 Test Channel = HCH

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

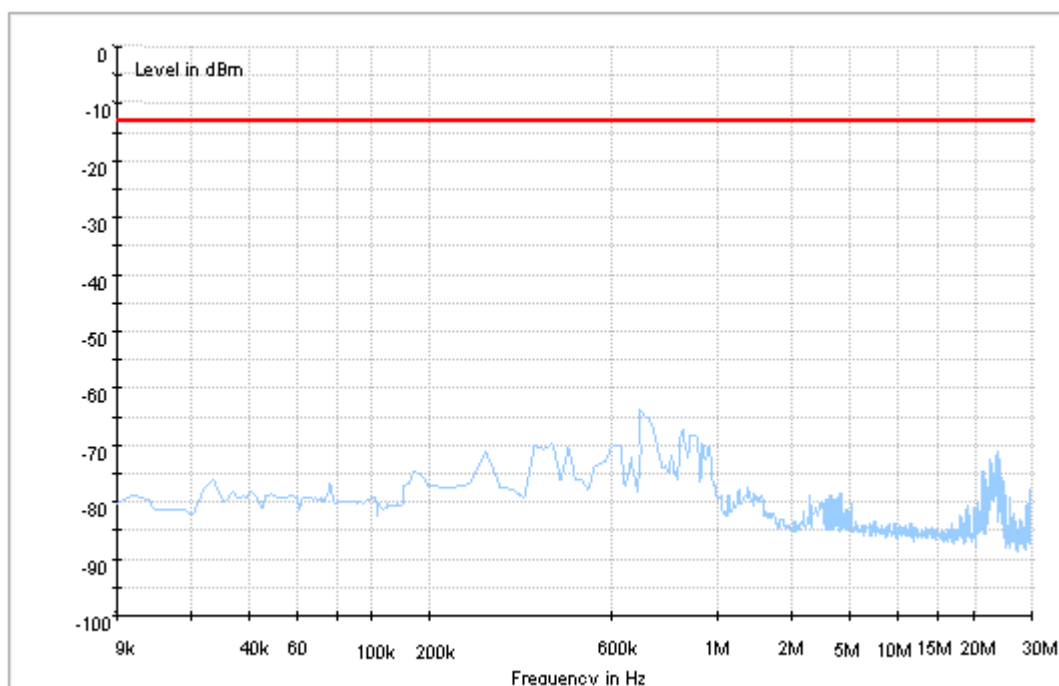
We tested all modes, but the data presented below is the worst case.

Part I - Test Plots

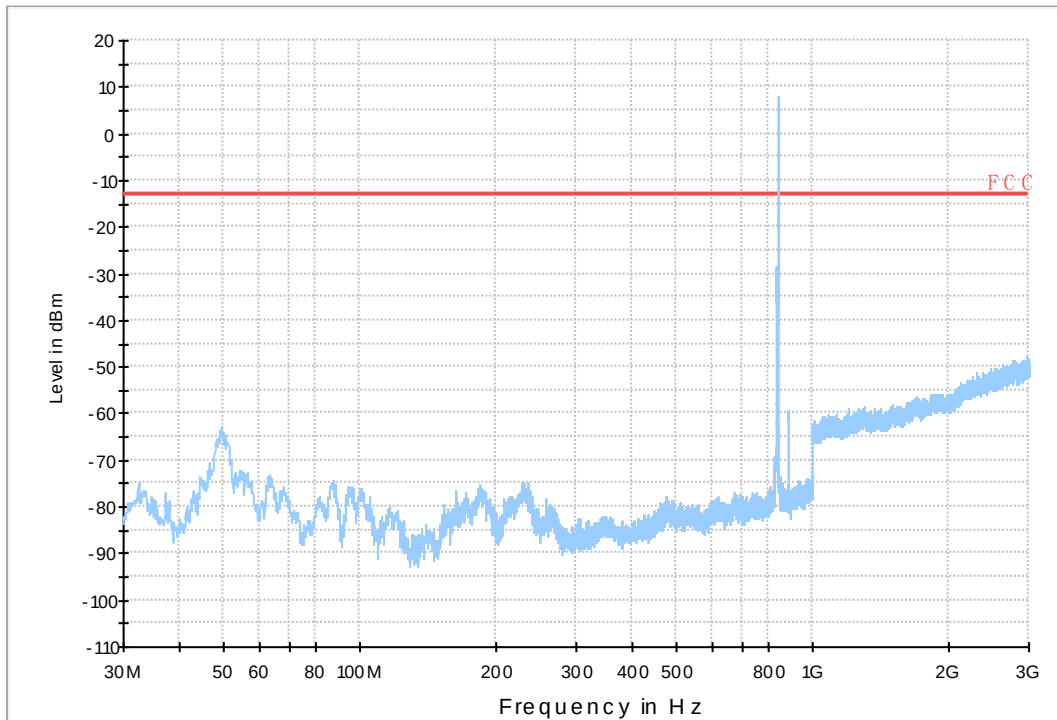
7.1 For LTE

7.1.1 Test Band = BAND5

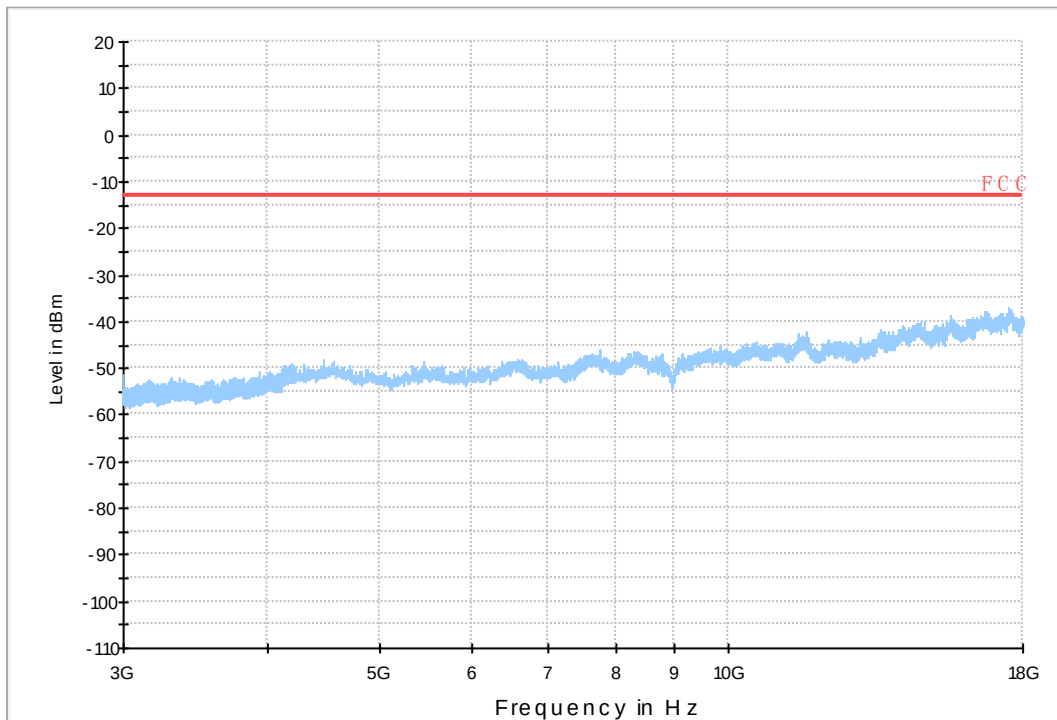
7.1.1.1 Test Bandwidth = 1.4



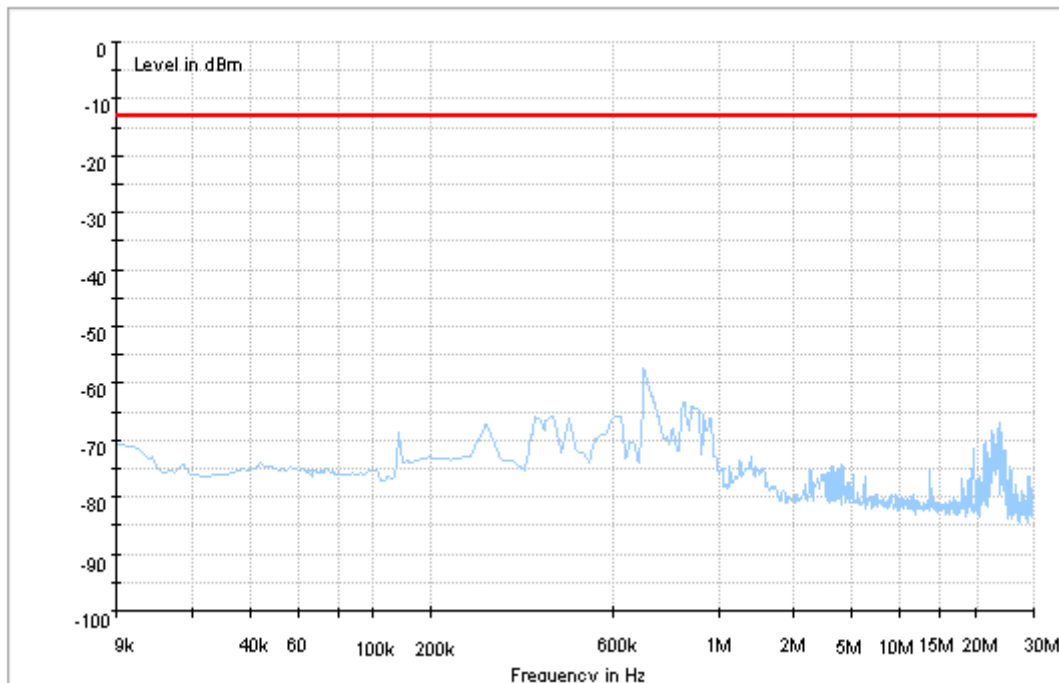
Copy of FCC PART22 LTE Band 5_L



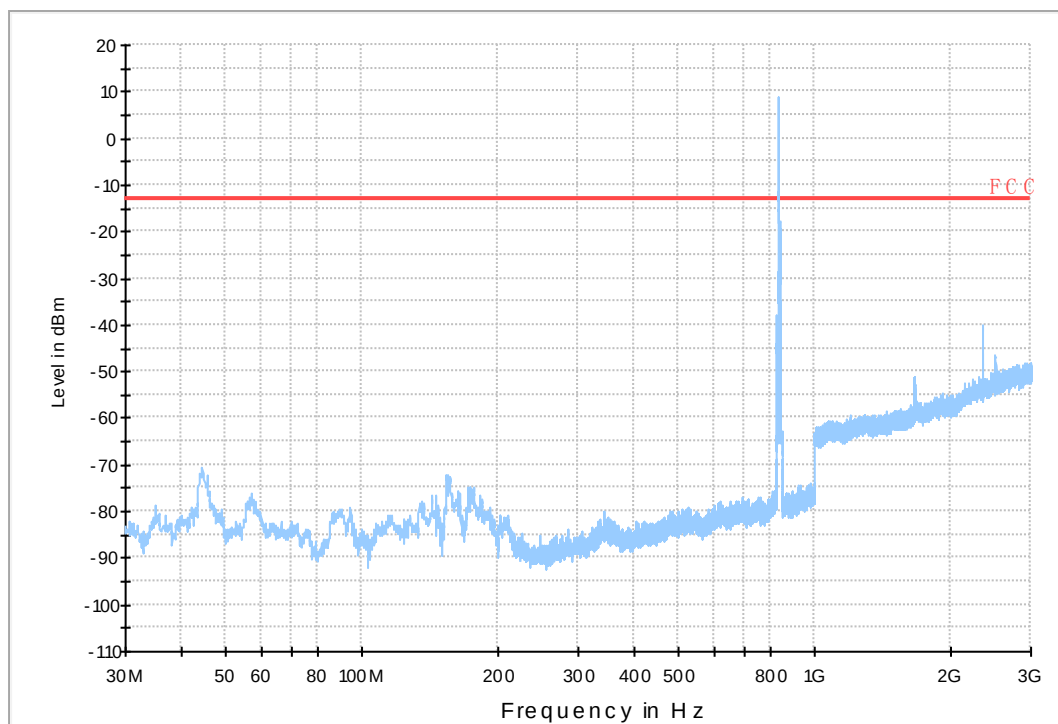
Copy of FCC PART22 LTE Band 5_H



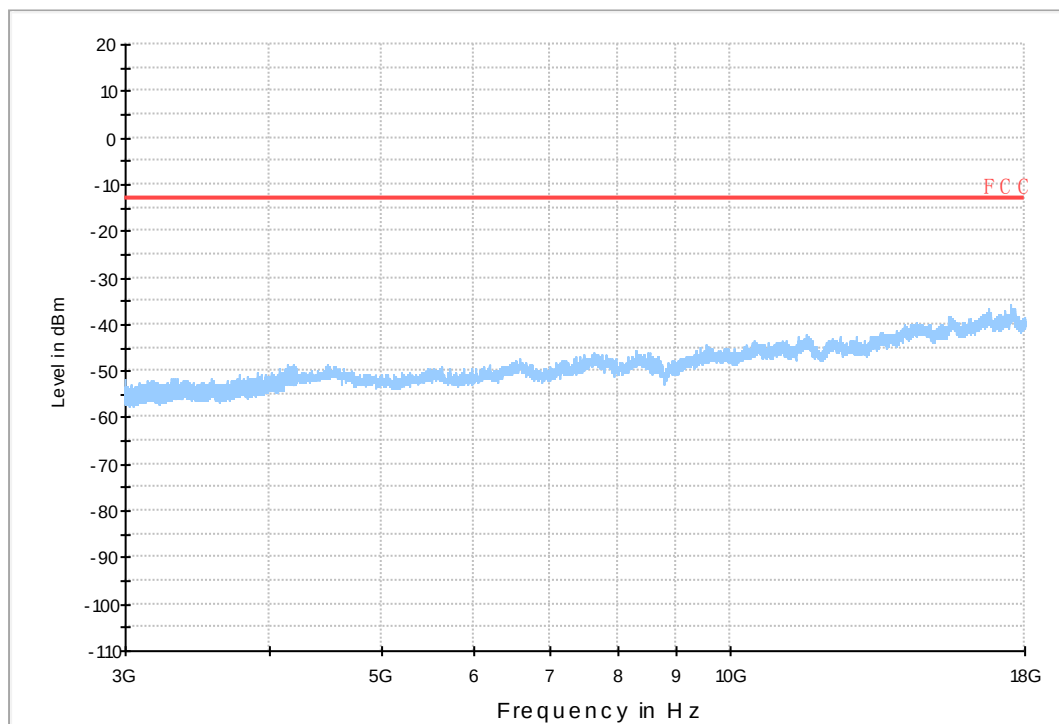
7.1.1.2 Test Bandwidth = 5



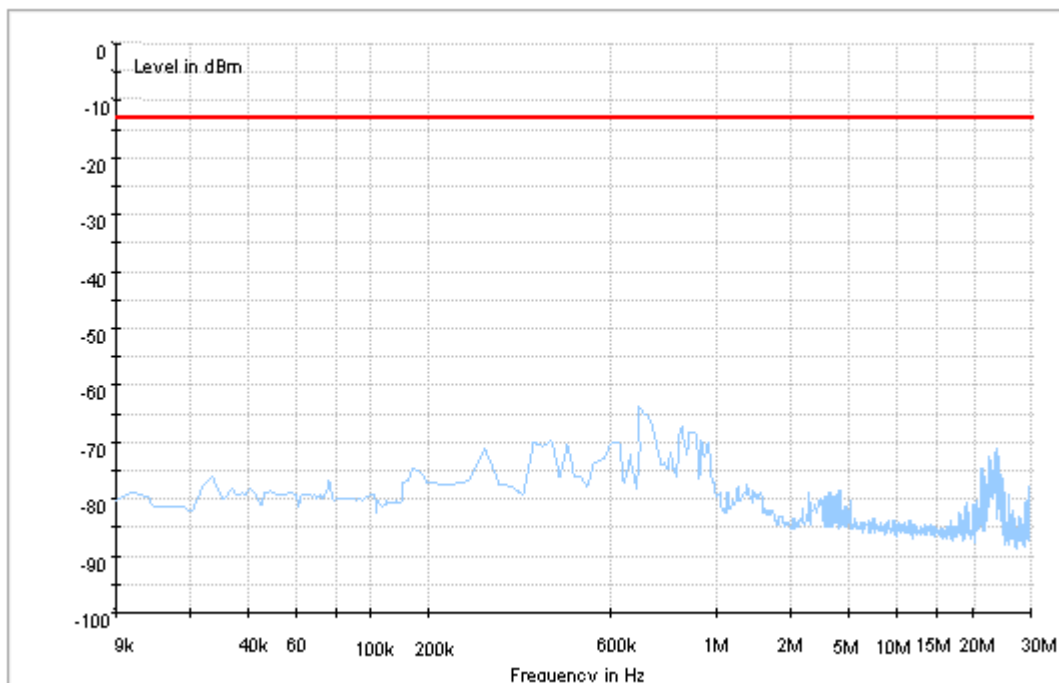
Copy of FCC PART22 LTE Band 5_L



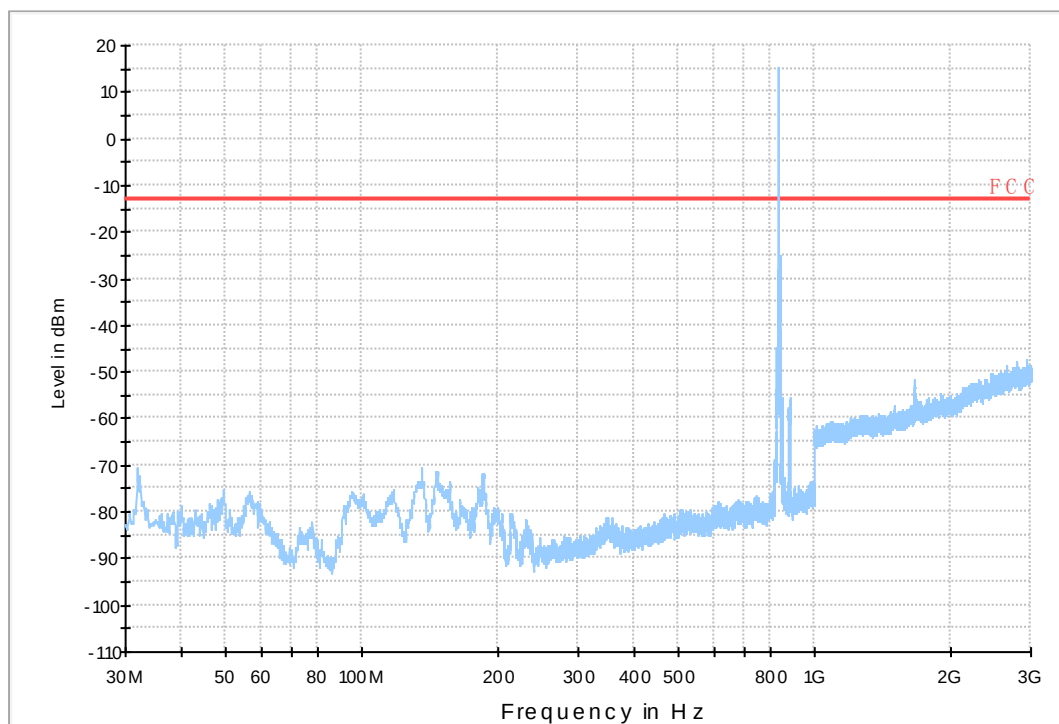
Copy of FCC PART22 LTE Band 5_H



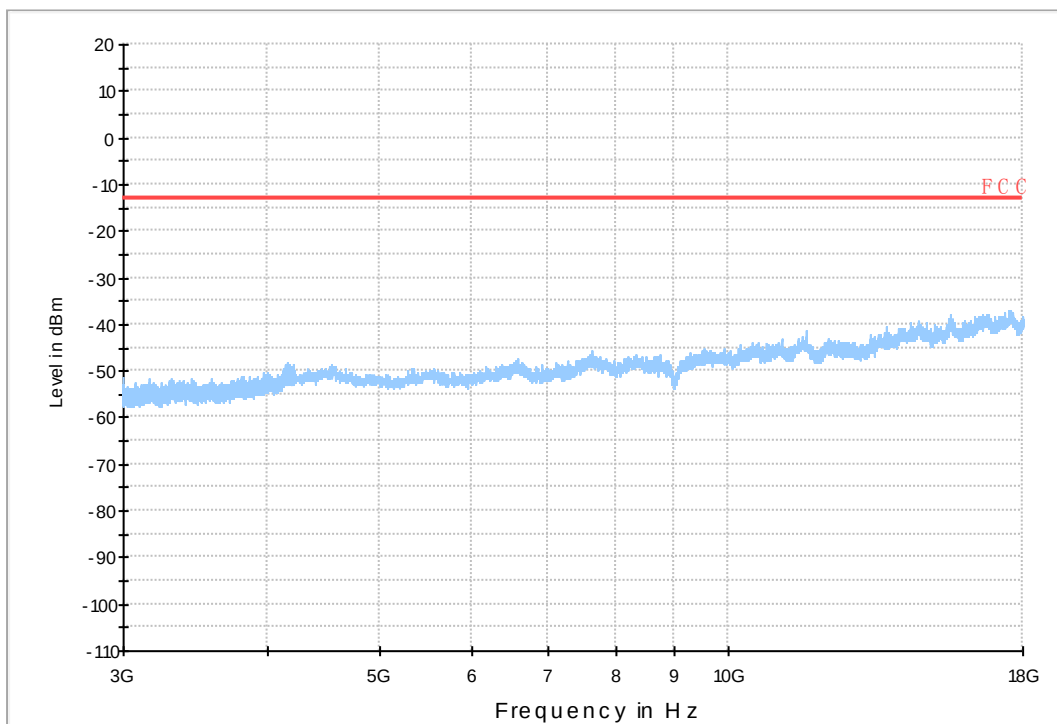
7.1.1.3 Test Bandwidth = 10



Copy of FCC PART22 LTE Band 5_L



Copy of FCC PART22 LTE Band 5_H



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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-10.19	-0.01236	PASS
					VN	-0.73	-0.00089	PASS
					VH	-2.6	-0.00315	PASS
			MCH	TN	VL	4.82	0.00576	PASS
					VN	3.86	0.00461	PASS
					VH	4.89	0.00585	PASS
			HCH	TN	VL	-9.61	-0.01133	PASS
					VN	15.28	0.01801	PASS
					VH	-3.82	-0.0045	PASS
		3	LCH	TN	VL	1.99	0.00241	PASS
					VN	9.11	0.01104	PASS
					VH	1.33	0.00161	PASS
			MCH	TN	VL	1.63	0.00195	PASS
					VN	2.37	0.00283	PASS
					VH	5.82	0.00696	PASS
			HCH	TN	VL	-3.35	-0.00395	PASS
					VN	-1	-0.00118	PASS
					VH	-3.78	-0.00446	PASS
		5	LCH	TN	VL	2.29	0.00277	PASS
					VN	2	0.00242	PASS
					VH	2.23	0.0027	PASS
			MCH	TN	VL	-1.49	-0.00178	PASS
					VN	-2.6	-0.00311	PASS
					VH	-1.46	-0.00175	PASS
			HCH	TN	VL	-1.06	-0.00125	PASS
					VN	2.96	0.0035	PASS
					VH	1.24	0.00146	PASS
		10	LCH	TN	VL	-0.76	-0.00092	PASS
					VN	-10.87	-0.01311	PASS
					VH	3.86	0.00466	PASS
			MCH	TN	VL	1.62	0.00194	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	9.6	0.01148	PASS
					VH	2.92	0.00349	PASS
					VL	0.76	0.0009	PASS
					VN	-0.93	-0.0011	PASS
					VH	-1.53	-0.00181	PASS
	LTE/TM2	1.4	LCH	TN	VL	-8.54	-0.01036	PASS
					VN	-1.67	-0.00202	PASS
					VH	-0.8	-0.00097	PASS
			MCH	TN	VL	4.42	0.00528	PASS
					VN	-5.19	-0.0062	PASS
					VH	7.74	0.00925	PASS
			HCH	TN	VL	-11.13	-0.01312	PASS
					VN	4.69	0.00553	PASS
					VH	-3.46	-0.00408	PASS
		3	LCH	TN	VL	-4.13	-0.005	PASS
					VN	-1.54	-0.00187	PASS
					VH	57.02	0.06907	PASS
			MCH	TN	VL	4.35	0.0052	PASS
					VN	-5.45	-0.00652	PASS
					VH	2.85	0.00341	PASS
			HCH	TN	VL	-1.86	-0.00219	PASS
					VN	4.89	0.00577	PASS
					VH	-3.96	-0.00467	PASS
		5	LCH	TN	VL	-5.39	-0.00652	PASS
					VN	5.94	0.00719	PASS
					VH	0.41	0.0005	PASS
			MCH	TN	VL	-6.12	-0.00732	PASS
					VN	-1.66	-0.00198	PASS
					VH	2.98	0.00356	PASS
			HCH	TN	VL	0.9	0.00106	PASS
					VN	-4.08	-0.00482	PASS
					VH	-1.89	-0.00223	PASS
		10	LCH	TN	VL	-2.79	-0.00337	PASS
					VN	-1.59	-0.00192	PASS
					VH	-1.73	-0.00209	PASS
			MCH	TN	VL	-9.46	-0.01131	PASS
					VN	-6.69	-0.008	PASS
					VH	6.24	0.00746	PASS
			HCH	TN	VL	2.32	0.00275	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.47	0.00174	PASS
					VH	0.73	0.00086	PASS

8.1.2 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	VN	-30	-0.2	-0.00024	PASS
					-20	-7.17	-0.00869	PASS
					-10	-19.07	-0.02312	PASS
					0	9.2	0.01116	PASS
					10	13.96	0.01693	PASS
					20	-43.27	-0.05247	PASS
					30	4.12	0.005	PASS
					40	3.93	0.00477	PASS
					50	3.43	0.00416	PASS
			MCH	VN	-30	6.94	0.0083	PASS
					-20	7.08	0.00846	PASS
					-10	-10.57	-0.01264	PASS
					0	2.02	0.00241	PASS
					10	4.69	0.00561	PASS
					20	3.81	0.00455	PASS
					30	3.43	0.0041	PASS
					40	0.1	0.00012	PASS
					50	11.06	0.01322	PASS
			HCH	VN	-30	-5.44	-0.00641	PASS
					-20	-9.57	-0.01128	PASS
					-10	-4.52	-0.00533	PASS
					0	0.3	0.00035	PASS
					10	10.61	0.01251	PASS
					20	-7.87	-0.00928	PASS
					30	-6.47	-0.00763	PASS
					40	-3.3	-0.00389	PASS
					50	10.9	0.01285	PASS
		3	LCH	VN	-30	17.47	0.02116	PASS
					-20	-3.16	-0.00383	PASS
					-10	3.03	0.00367	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	8.47	0.01026	PASS
					10	-2.12	-0.00257	PASS
					20	-0.3	-0.00036	PASS
					30	1.16	0.00141	PASS
					40	-0.16	-0.00019	PASS
					50	-0.07	-0.00008	PASS
			MCH	VN	-30	0.04	0.00005	PASS
					-20	4.29	0.00513	PASS
					-10	7.08	0.00846	PASS
					0	6.74	0.00806	PASS
					10	5.08	0.00607	PASS
					20	-1.3	-0.00155	PASS
					30	-0.97	-0.00116	PASS
					40	-2.07	-0.00247	PASS
					50	-0.29	-0.00035	PASS
			HCH	VN	-30	3.58	0.00422	PASS
					-20	3.76	0.00444	PASS
					-10	0.11	0.00013	PASS
					0	-0.47	-0.00055	PASS
					10	-0.11	-0.00013	PASS
					20	-5.76	-0.0068	PASS
					30	2.96	0.00349	PASS
					40	1.83	0.00216	PASS
					50	-2.89	-0.00341	PASS
		5	LCH	VN	-30	4.81	0.00582	PASS
					-20	1.54	0.00186	PASS
					-10	1.23	0.00149	PASS
					0	-1.66	-0.00201	PASS
					10	-0.49	-0.00059	PASS
					20	3.95	0.00478	PASS
					30	-0.69	-0.00083	PASS
					40	-352.86	-0.42693	PASS
					50	-0.14	-0.00017	PASS
			MCH	VN	-30	3.26	0.0039	PASS
					-20	4.75	0.00568	PASS
					-10	-0.14	-0.00017	PASS
					0	6.31	0.00754	PASS
					10	7.42	0.00887	PASS
					20	0.84	0.001	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.34	0.0016	PASS
					40	4.29	0.00513	PASS
					50	-3.22	-0.00385	PASS
			HCH	VN	-30	0.77	0.00091	PASS
					-20	1.9	0.00224	PASS
					-10	3.79	0.00448	PASS
					0	4.41	0.00521	PASS
					10	-2.15	-0.00254	PASS
					20	0.21	0.00025	PASS
					30	-0.99	-0.00117	PASS
					40	-2.76	-0.00326	PASS
					50	-0.67	-0.00079	PASS
			LCH	VN	-30	-1.34	-0.00162	PASS
					-20	2.37	0.00286	PASS
					-10	1.67	0.00201	PASS
					0	-10.93	-0.01318	PASS
					10	-24.2	-0.02919	PASS
					20	-6.88	-0.0083	PASS
					30	11.69	0.0141	PASS
					40	4.06	0.0049	PASS
					50	-4.26	-0.00514	PASS
		10	MCH	VN	-30	-123	-0.14704	PASS
					-20	-73.81	-0.08824	PASS
					-10	30.91	0.03695	PASS
					0	-82.01	-0.09804	PASS
					10	-31.81	-0.03803	PASS
					20	95.39	0.11403	PASS
					30	-9.6	-0.01148	PASS
					40	-134.51	-0.1608	PASS
					50	-17.7	-0.02116	PASS
			HCH	VN	-30	0.59	0.0007	PASS
					-20	-2.36	-0.0028	PASS
					-10	-2.15	-0.00255	PASS
					0	-1.3	-0.00154	PASS
					10	-0.29	-0.00034	PASS
					20	-0.72	-0.00085	PASS
					30	-0.92	-0.00109	PASS
					40	-0.54	-0.00064	PASS
					50	-1.2	-0.00142	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	-30	-12.75	-0.01546	PASS
					-20	-16.95	-0.02055	PASS
					-10	21.09	0.02557	PASS
					0	5.46	0.00662	PASS
					10	-79.01	-0.0958	PASS
					20	-18.42	-0.02234	PASS
					30	11.67	0.01415	PASS
					40	5.44	0.0066	PASS
					50	-1.03	-0.00125	PASS
			MCH	VN	-30	9.61	0.01149	PASS
					-20	13.38	0.016	PASS
					-10	7.78	0.0093	PASS
					0	-3.08	-0.00368	PASS
					10	7.17	0.00857	PASS
					20	7.85	0.00938	PASS
					30	4.88	0.00583	PASS
					40	4.78	0.00571	PASS
					50	-9.73	-0.01163	PASS
			HCH	VN	-30	-8.98	-0.01059	PASS
					-20	13.03	0.01536	PASS
					-10	-6.78	-0.00799	PASS
					0	-12.43	-0.01465	PASS
					10	14.66	0.01728	PASS
					20	4.09	0.00482	PASS
					30	-1.36	-0.0016	PASS
					40	-6.17	-0.00727	PASS
					50	5.79	0.00683	PASS
		3	LCH	VN	-30	-6.54	-0.00792	PASS
					-20	-0.07	-0.00008	PASS
					-10	-1.56	-0.00189	PASS
					0	1.86	0.00225	PASS
					10	-10.74	-0.01301	PASS
					20	13.1	0.01587	PASS
					30	8.18	0.00991	PASS
					40	6.01	0.00728	PASS
					50	1.33	0.00161	PASS
			MCH	VN	-30	-4.69	-0.00561	PASS
					-20	-4.08	-0.00488	PASS
					-10	10.24	0.01224	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	2.16	0.00258	PASS
					10	-2.53	-0.00302	PASS
					20	2.42	0.00289	PASS
					30	0.6	0.00072	PASS
					40	-5.19	-0.0062	PASS
					50	-4.58	-0.00548	PASS
			HCH	VN	-30	7.11	0.00839	PASS
					-20	-2.03	-0.0024	PASS
					-10	-1.62	-0.00191	PASS
					0	1.24	0.00146	PASS
					10	-0.63	-0.00074	PASS
					20	-3.22	-0.0038	PASS
					30	0.47	0.00055	PASS
					40	6.87	0.00811	PASS
					50	-2.09	-0.00247	PASS
		5	LCH	VN	-30	8.73	0.01056	PASS
					-20	14.25	0.01724	PASS
					-10	0.73	0.00088	PASS
					0	0.46	0.00056	PASS
					10	-0.63	-0.00076	PASS
					20	-0.07	-0.00008	PASS
					30	-0.8	-0.00097	PASS
					40	-3.12	-0.00377	PASS
					50	0.92	0.00111	PASS
			MCH	VN	-30	-2.89	-0.00345	PASS
					-20	-2.02	-0.00241	PASS
					-10	-1.33	-0.00159	PASS
					0	-2.56	-0.00306	PASS
					10	2.52	0.00301	PASS
					20	-2.62	-0.00313	PASS
					30	-2.22	-0.00265	PASS
					40	1.22	0.00146	PASS
					50	3.99	0.00477	PASS
			HCH	VN	-30	0.74	0.00087	PASS
					-20	-3.55	-0.00419	PASS
					-10	0.57	0.00067	PASS
					0	-2.06	-0.00243	PASS
					10	2.33	0.00275	PASS
					20	-0.72	-0.00085	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.47	0.00174	PASS
					40	-2.45	-0.00289	PASS
					50	-2.19	-0.00259	PASS
		10	LCH	VN	-30	-1.76	-0.00212	PASS
					-20	-5.72	-0.0069	PASS
					-10	0.63	0.00076	PASS
					0	-1.72	-0.00207	PASS
					10	6.08	0.00733	PASS
					20	-1.89	-0.00228	PASS
					30	1.8	0.00217	PASS
					40	1.66	0.002	PASS
					50	-0.36	-0.00043	PASS
			MCH	VN	-30	-3.06	-0.00366	PASS
					-20	4.72	0.00564	PASS
					-10	4.39	0.00525	PASS
					0	2.9	0.00343	PASS
					10	3.81	0.0045	PASS
					20	-4.92	-0.00581	PASS
					30	-3.98	-0.0048	PASS
					40	0.94	0.00113	PASS
					50	-3.45	-0.00416	PASS
			HCH	VN	-30	3.91	0.00467	PASS
					-20	-4.68	-0.00559	PASS
					-10	7.77	0.00929	PASS
					0	-1.34	-0.00159	PASS
					10	-1.24	-0.00147	PASS
					20	-0.9	-0.00107	PASS
					30	0.29	0.00034	PASS
					40	0.11	0.00013	PASS
					50	-1.79	-0.00217	PASS

END