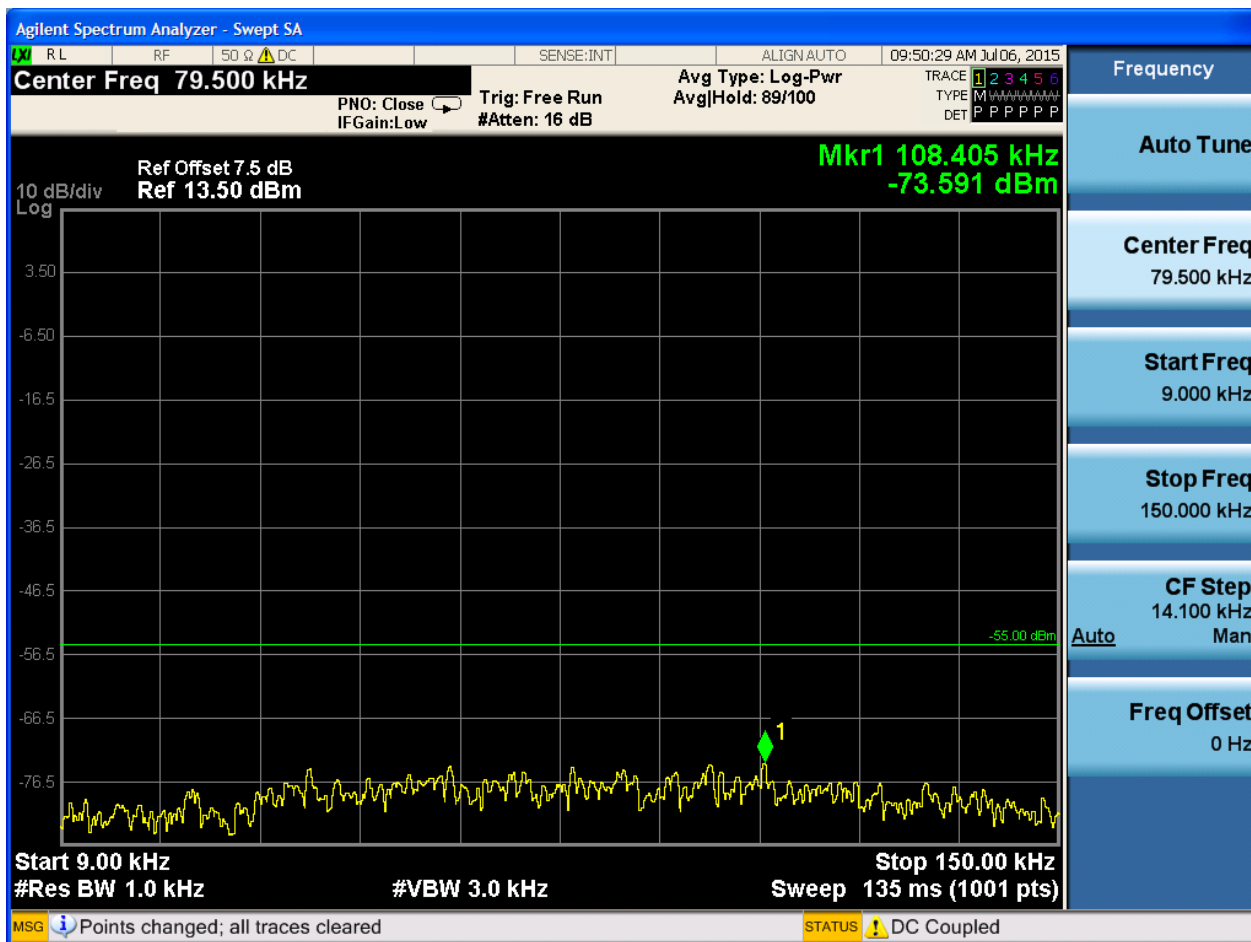
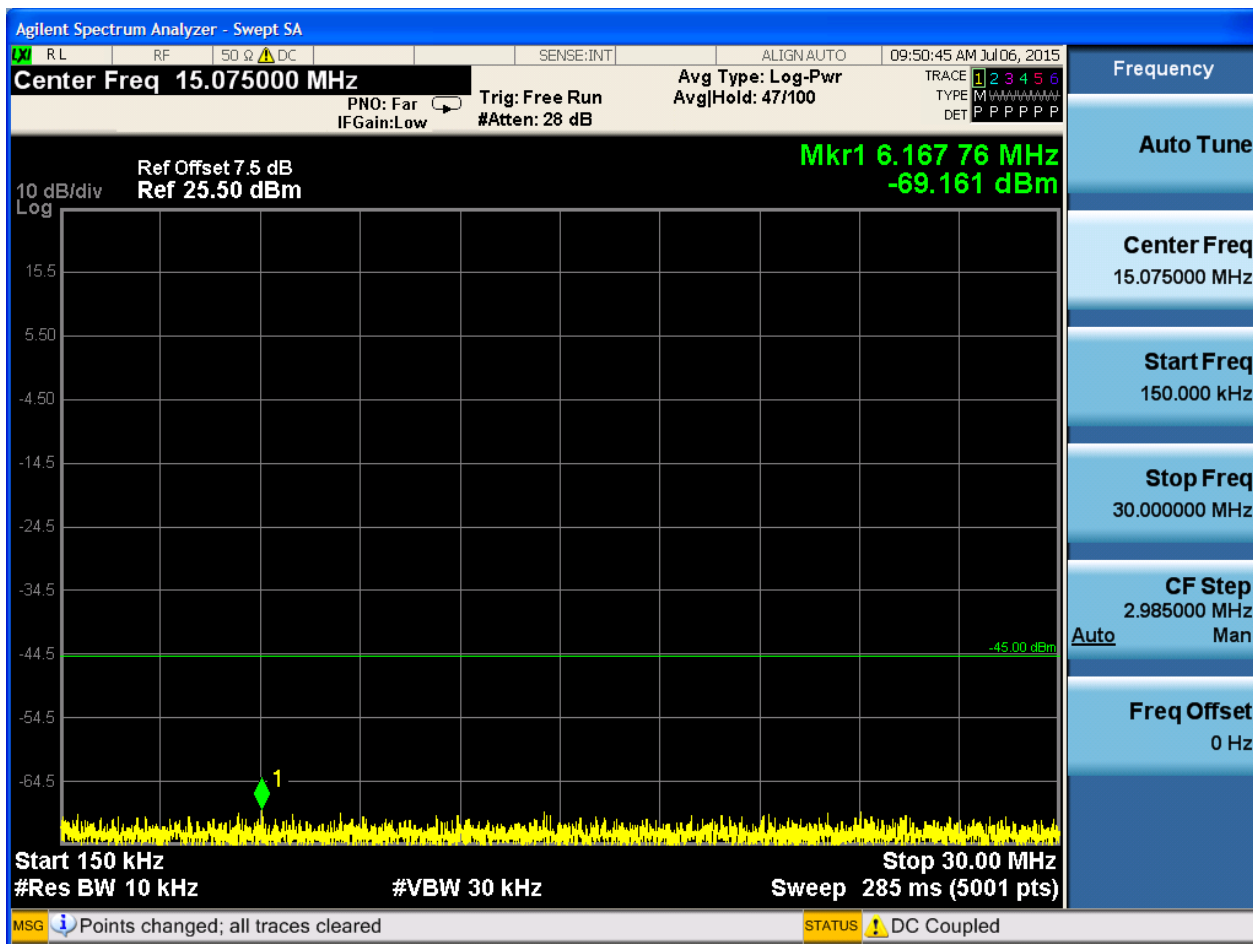


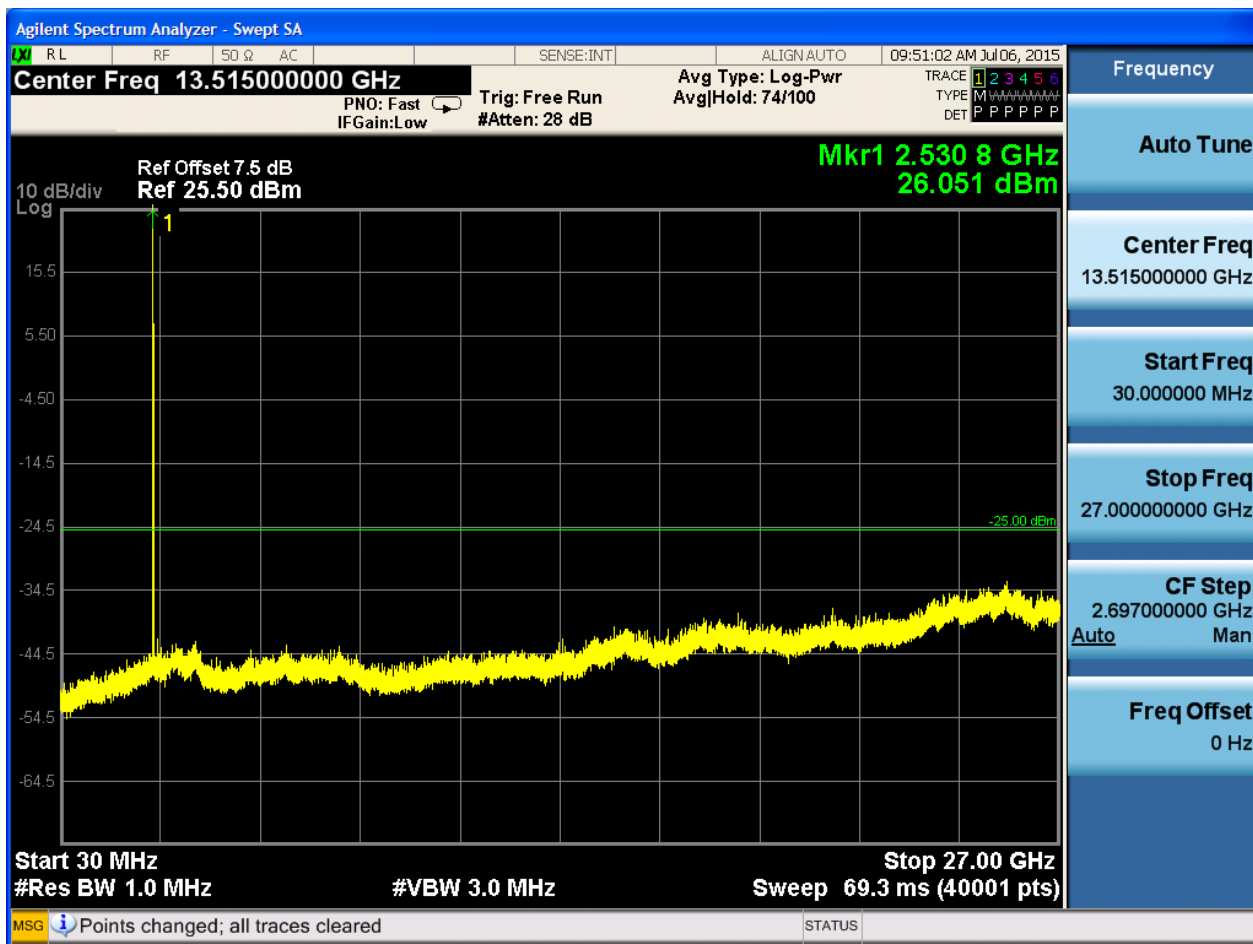


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

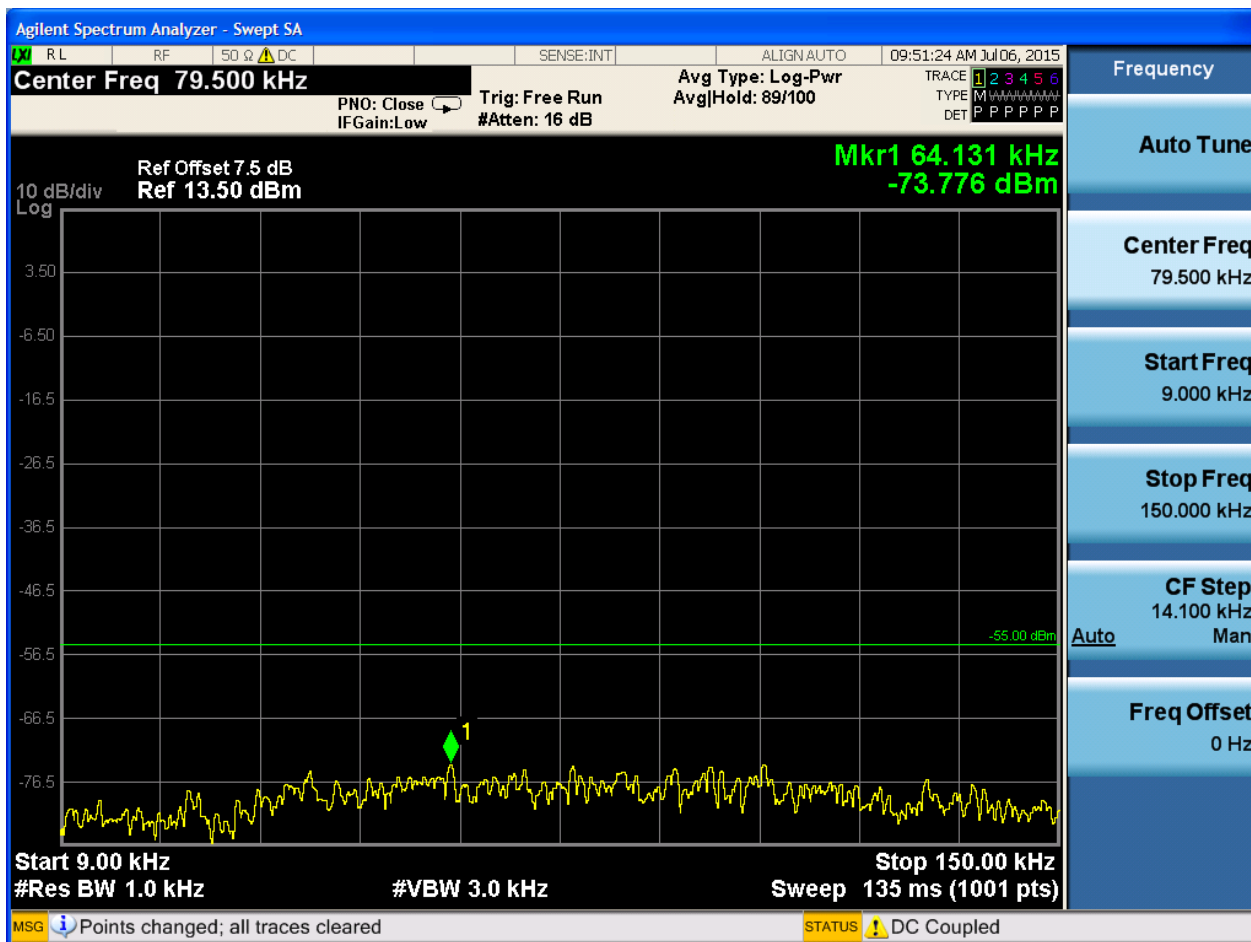


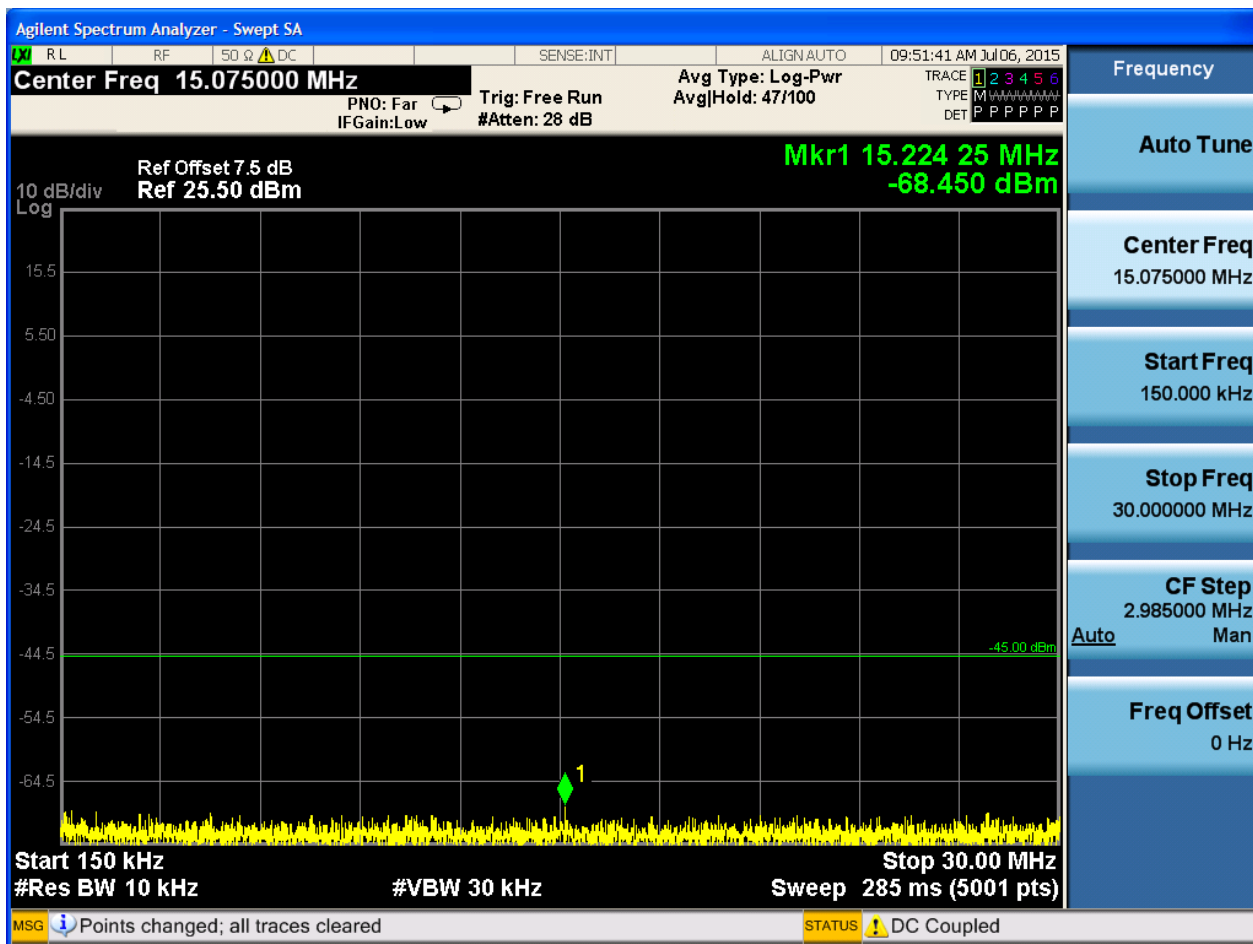


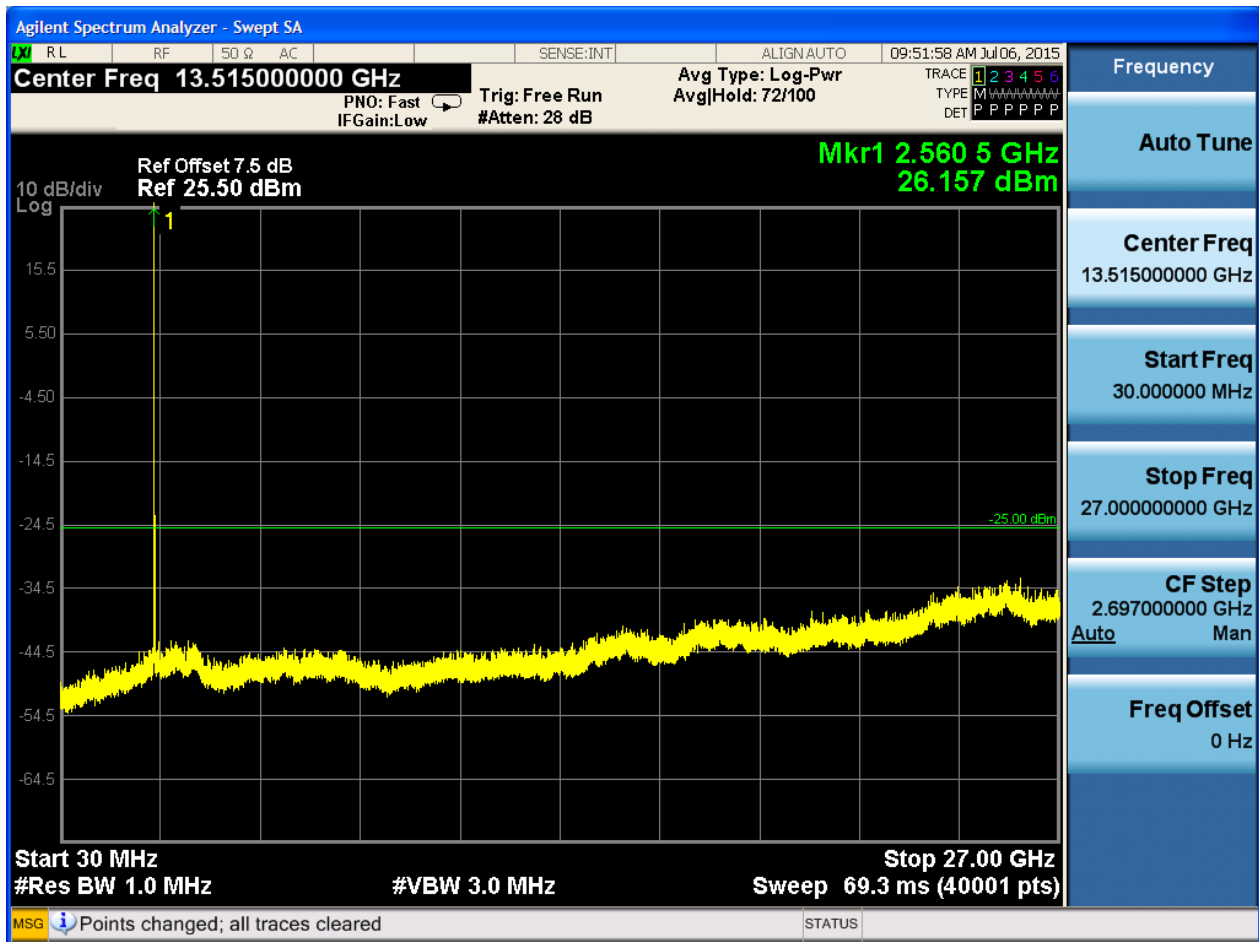


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



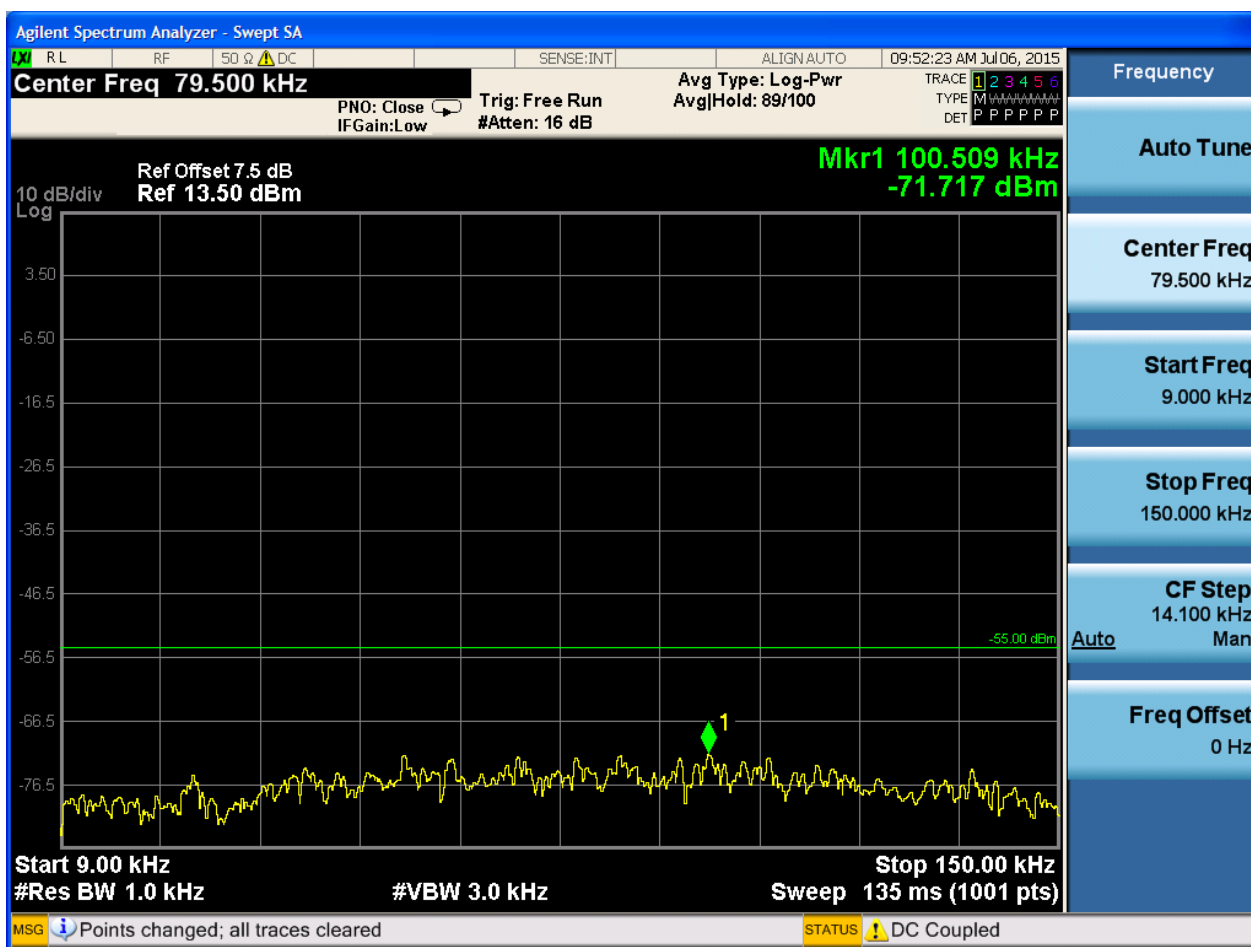


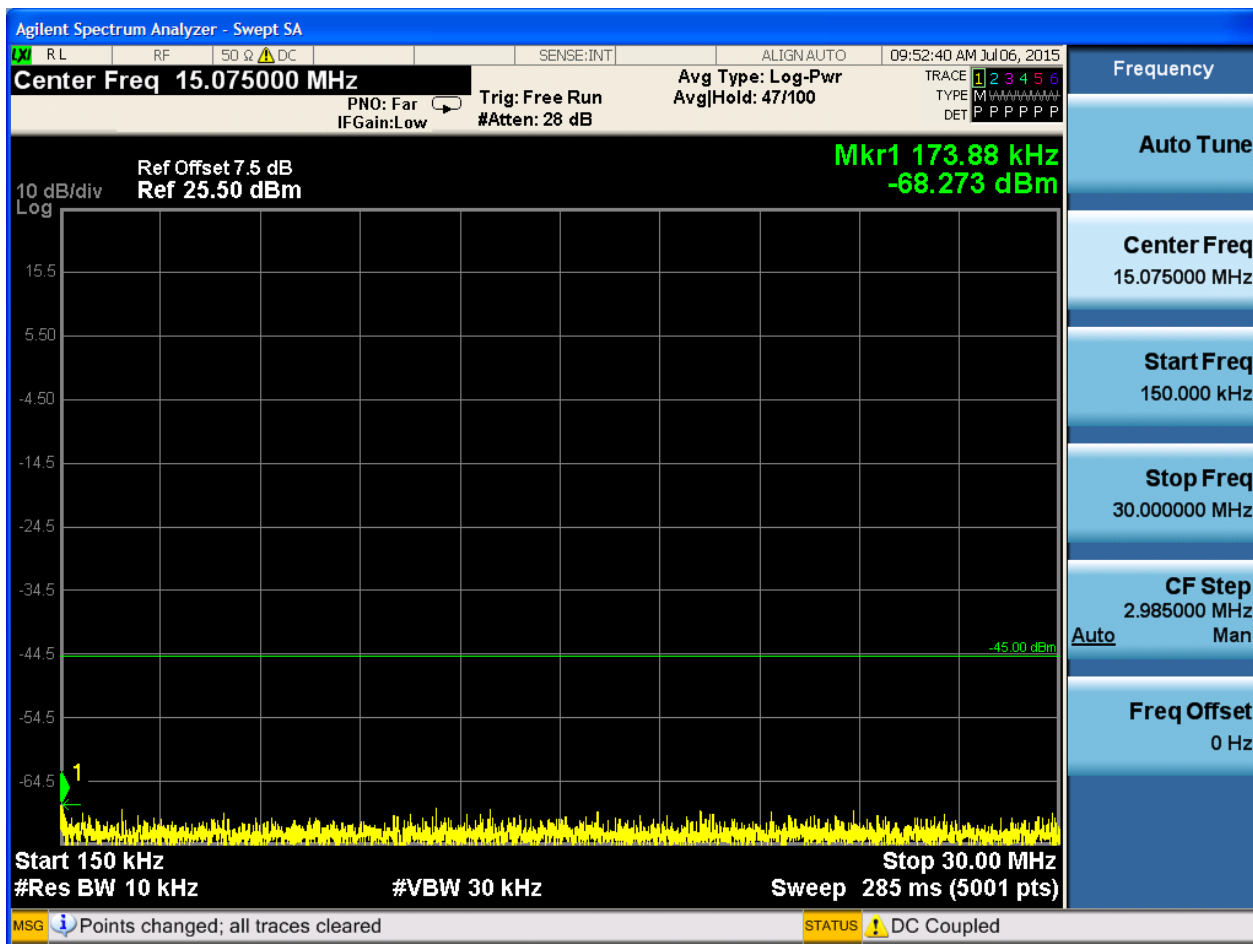


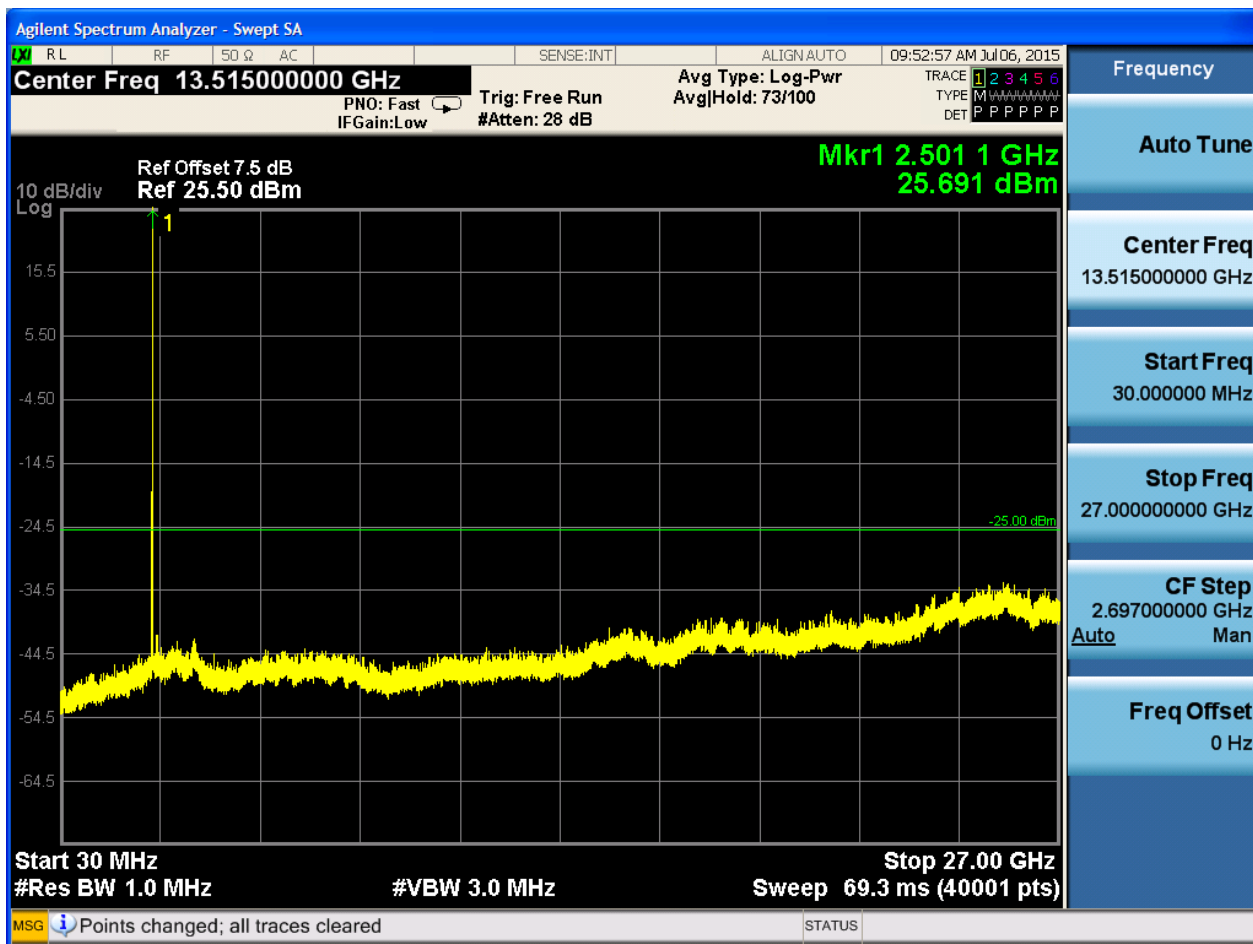
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



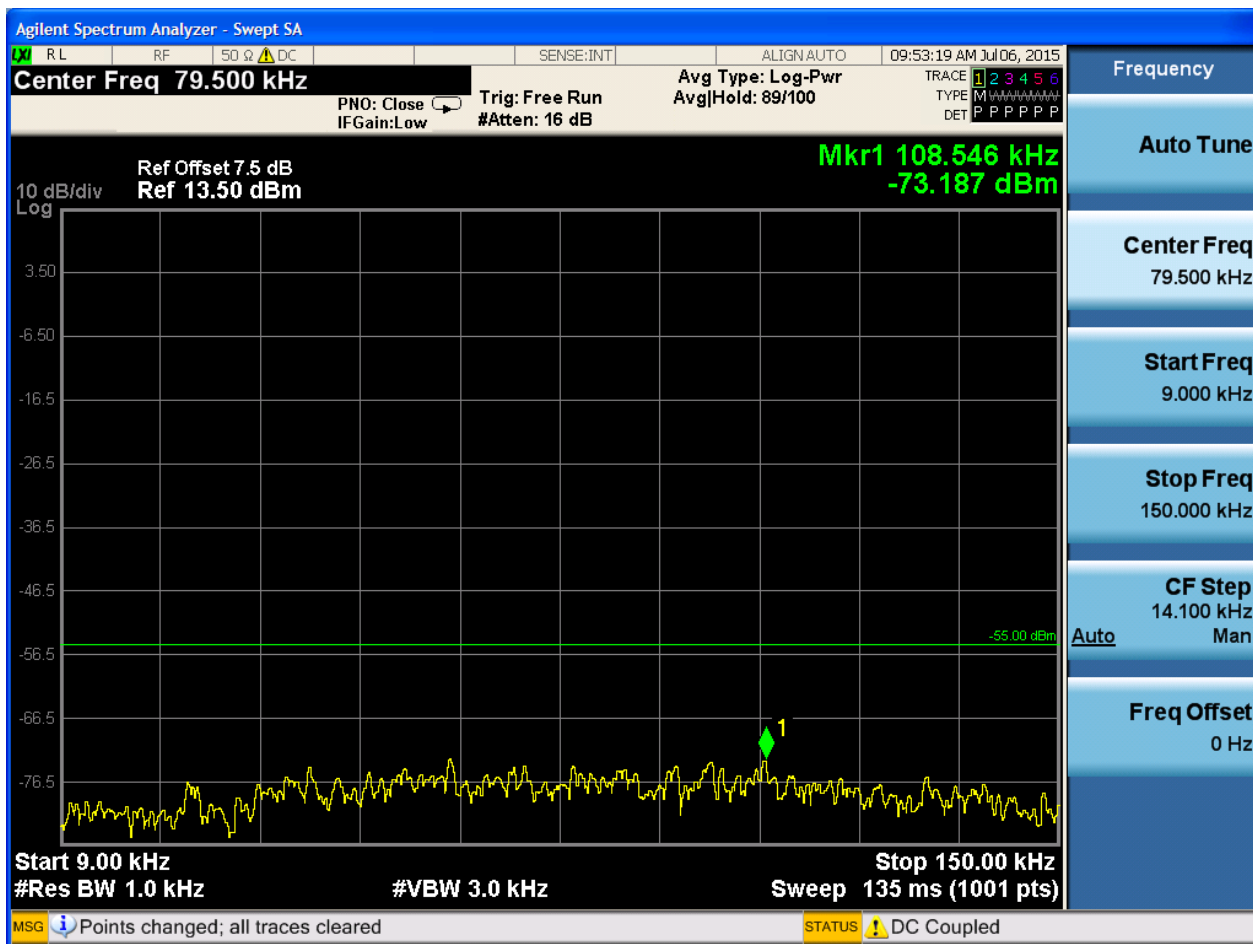


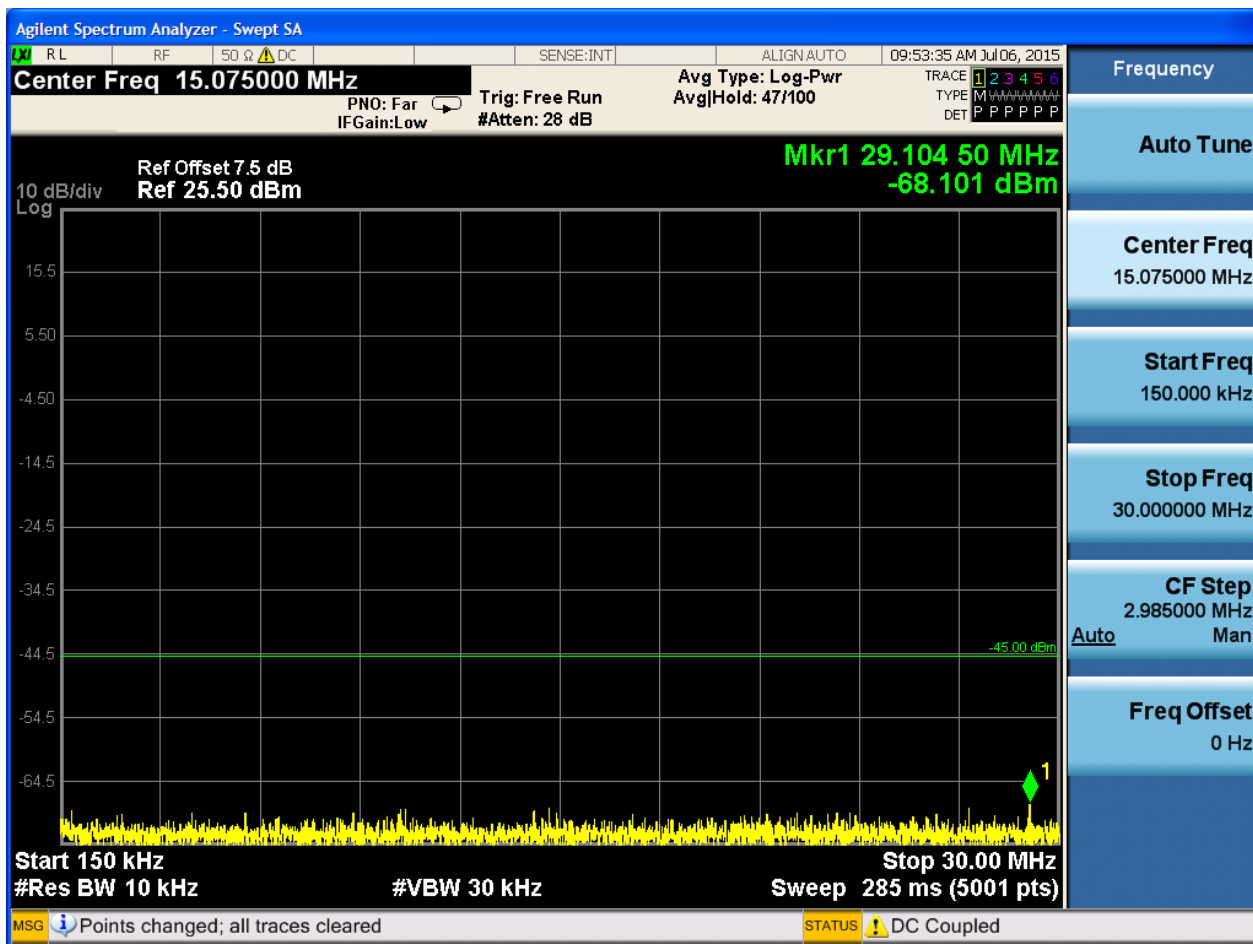




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

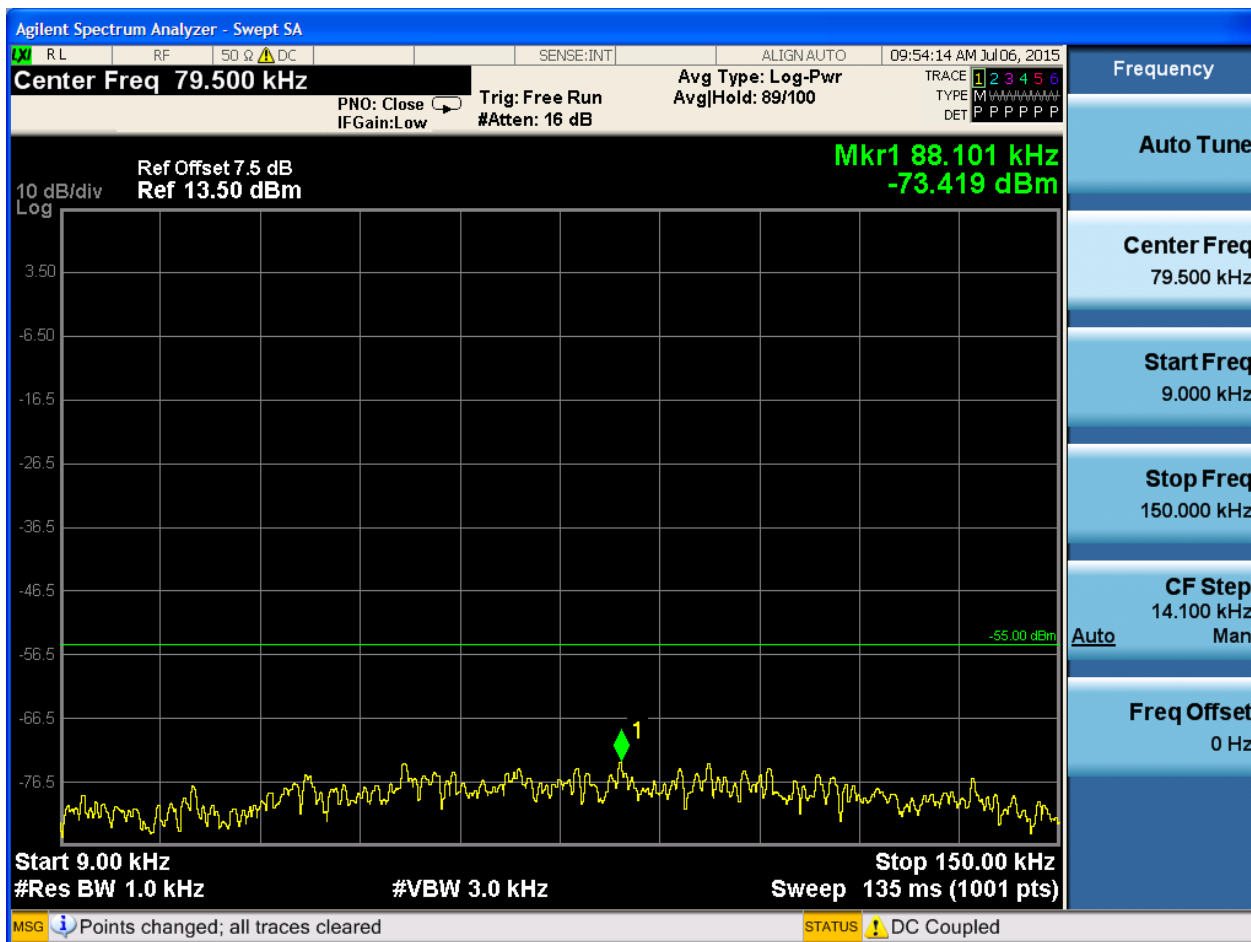


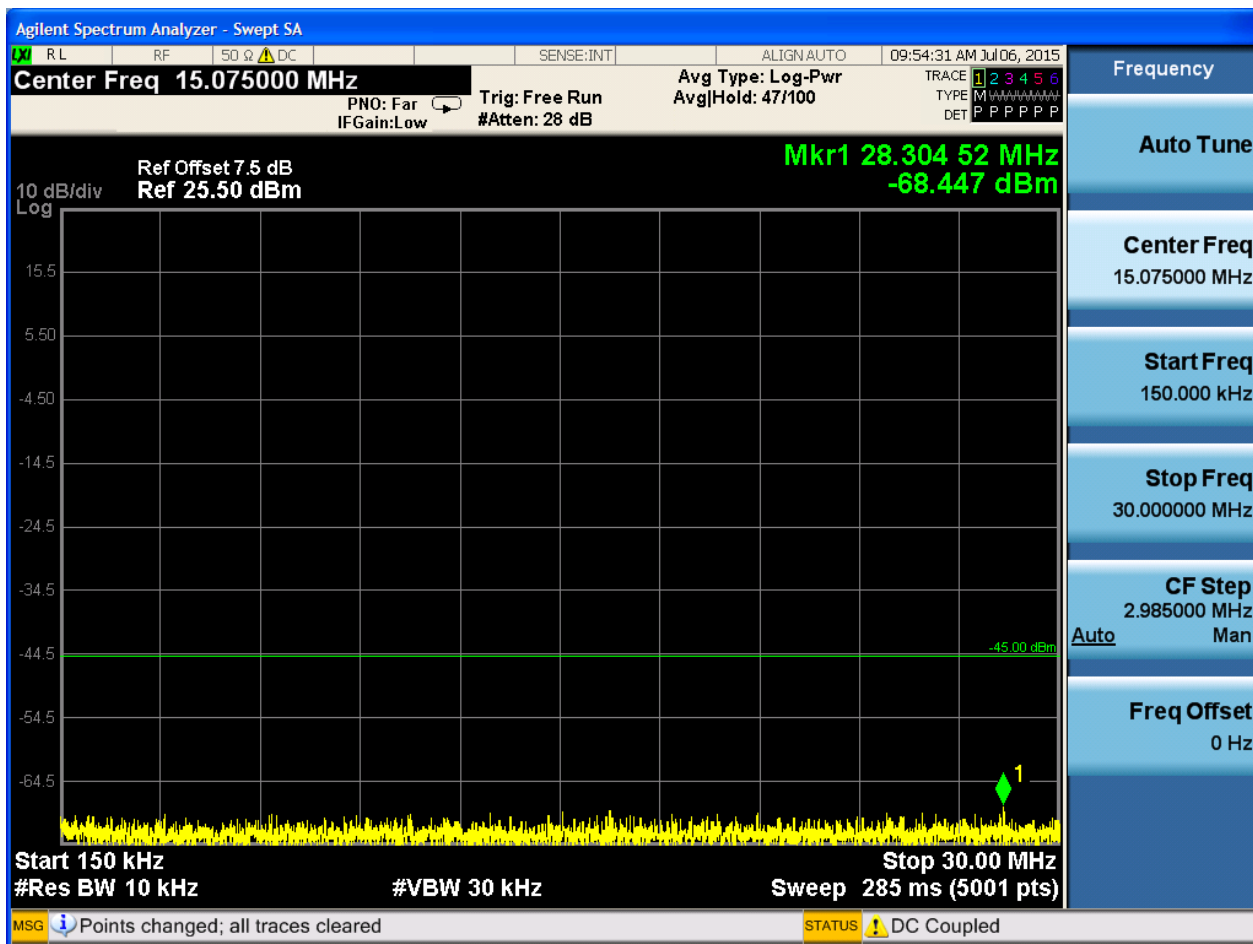


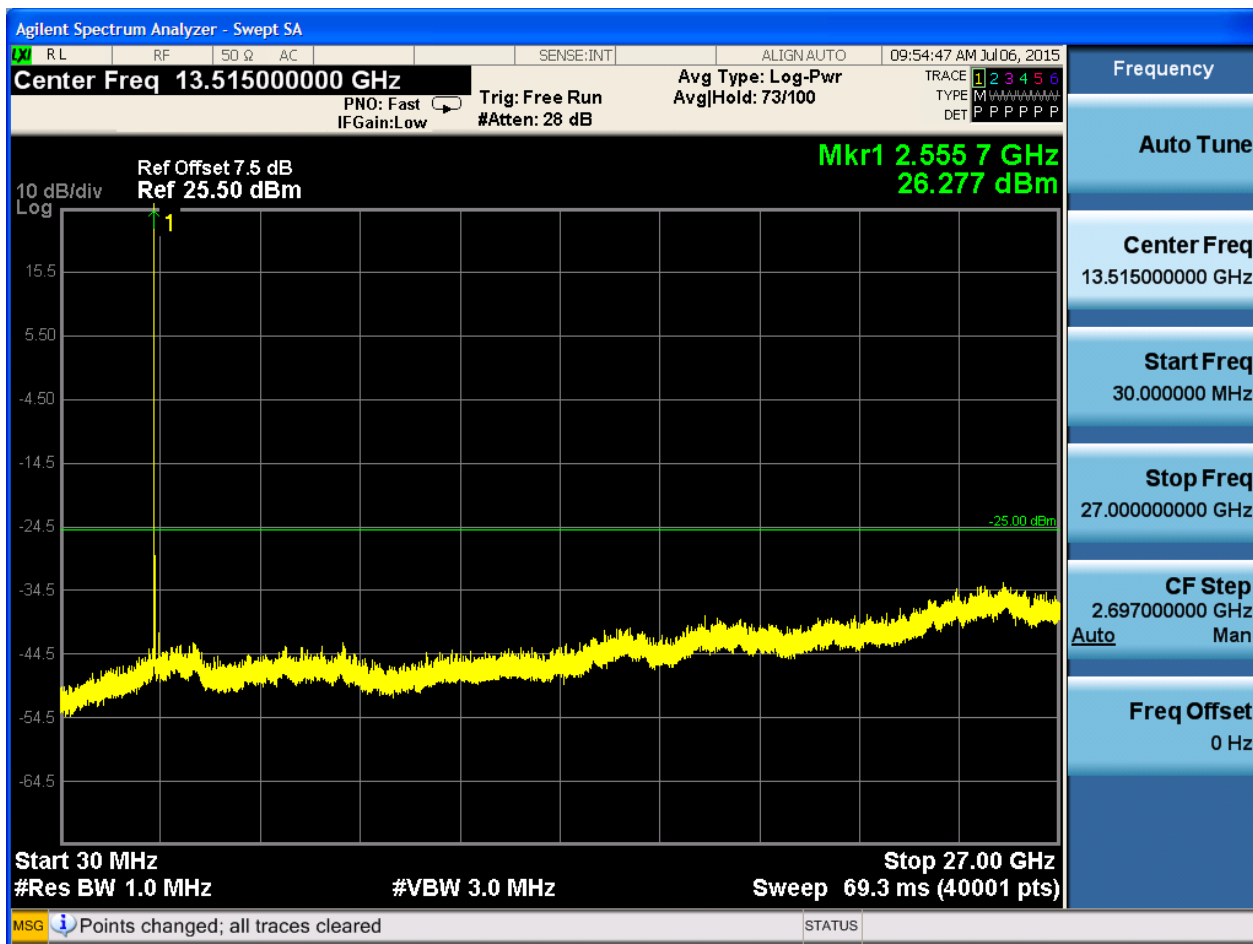


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



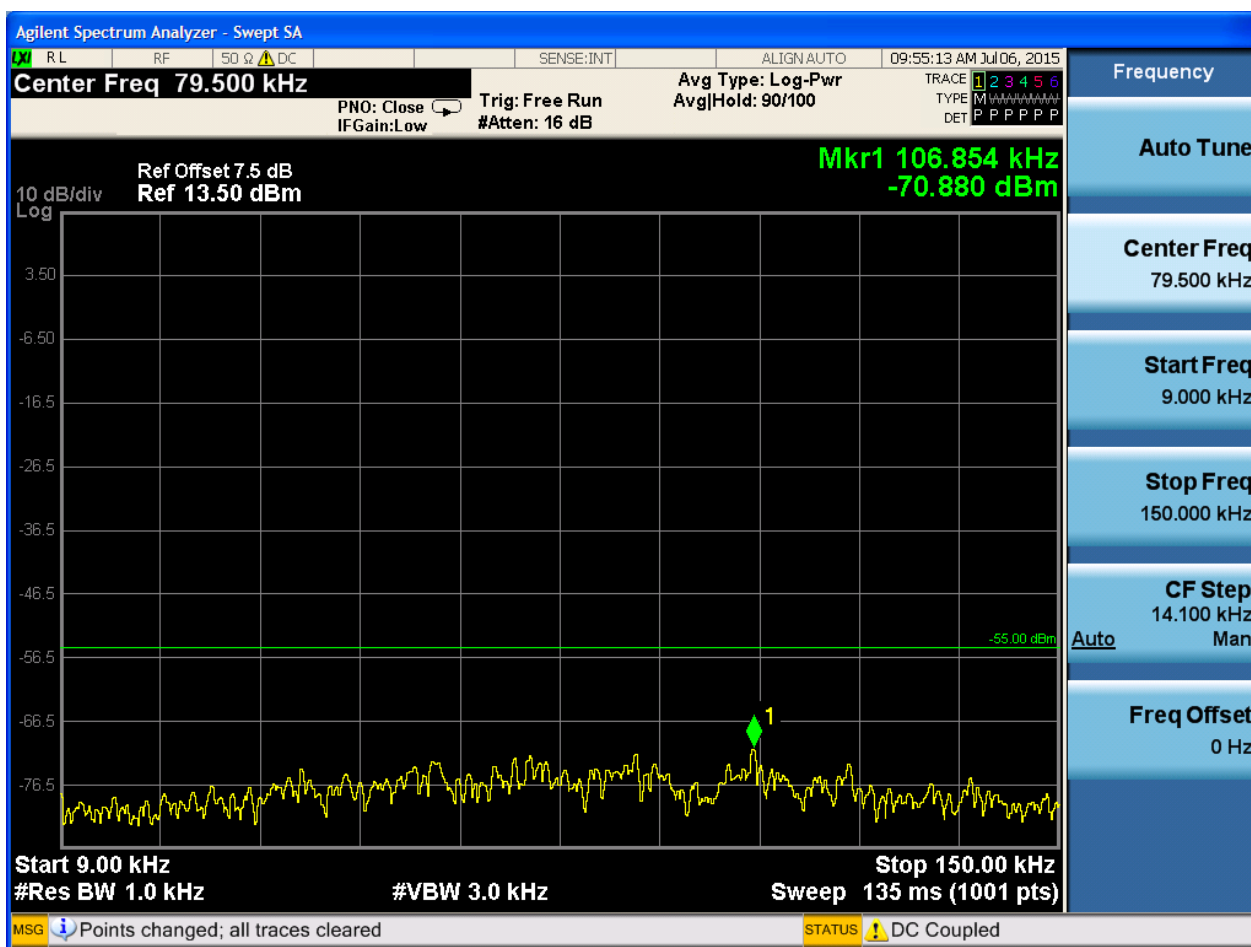


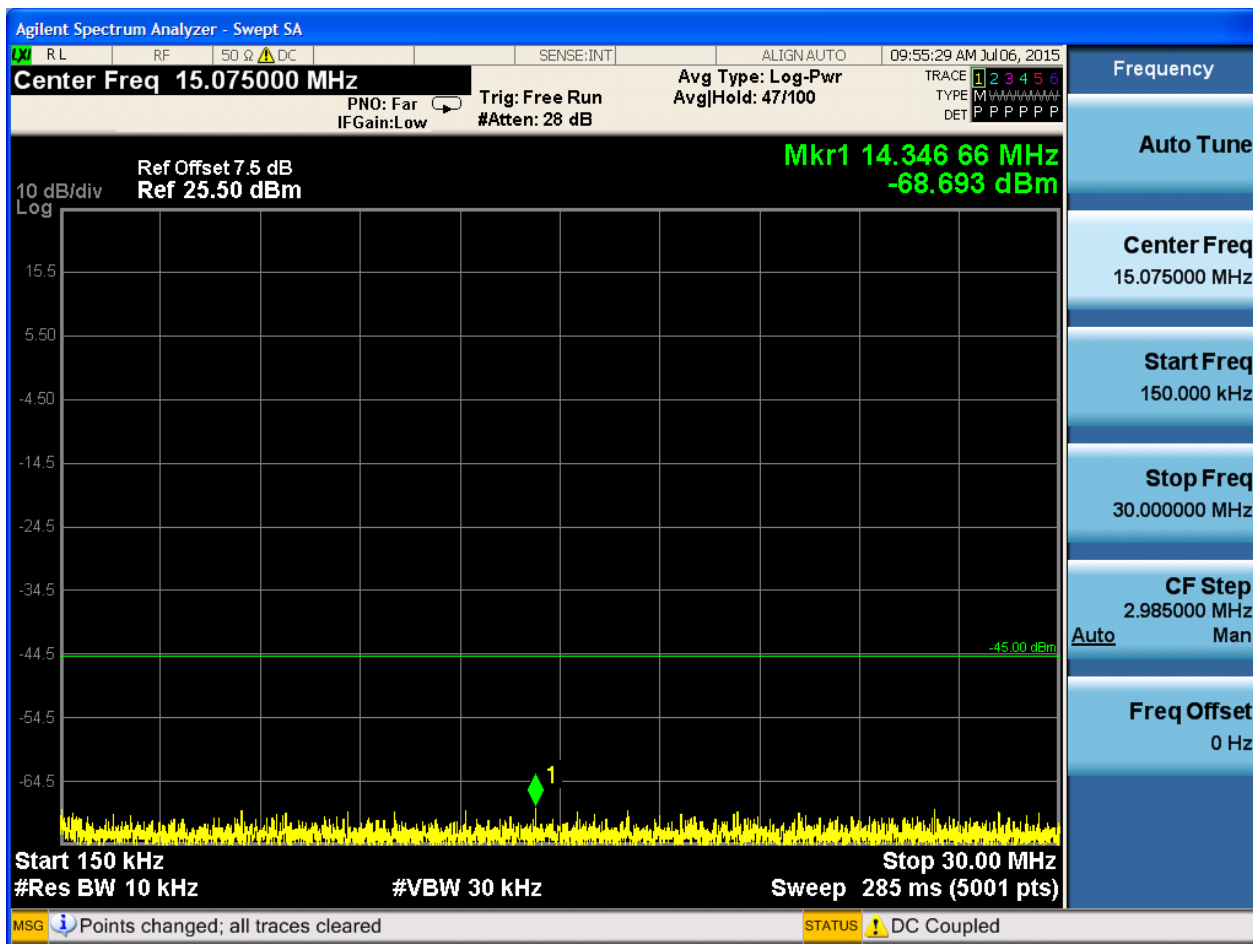


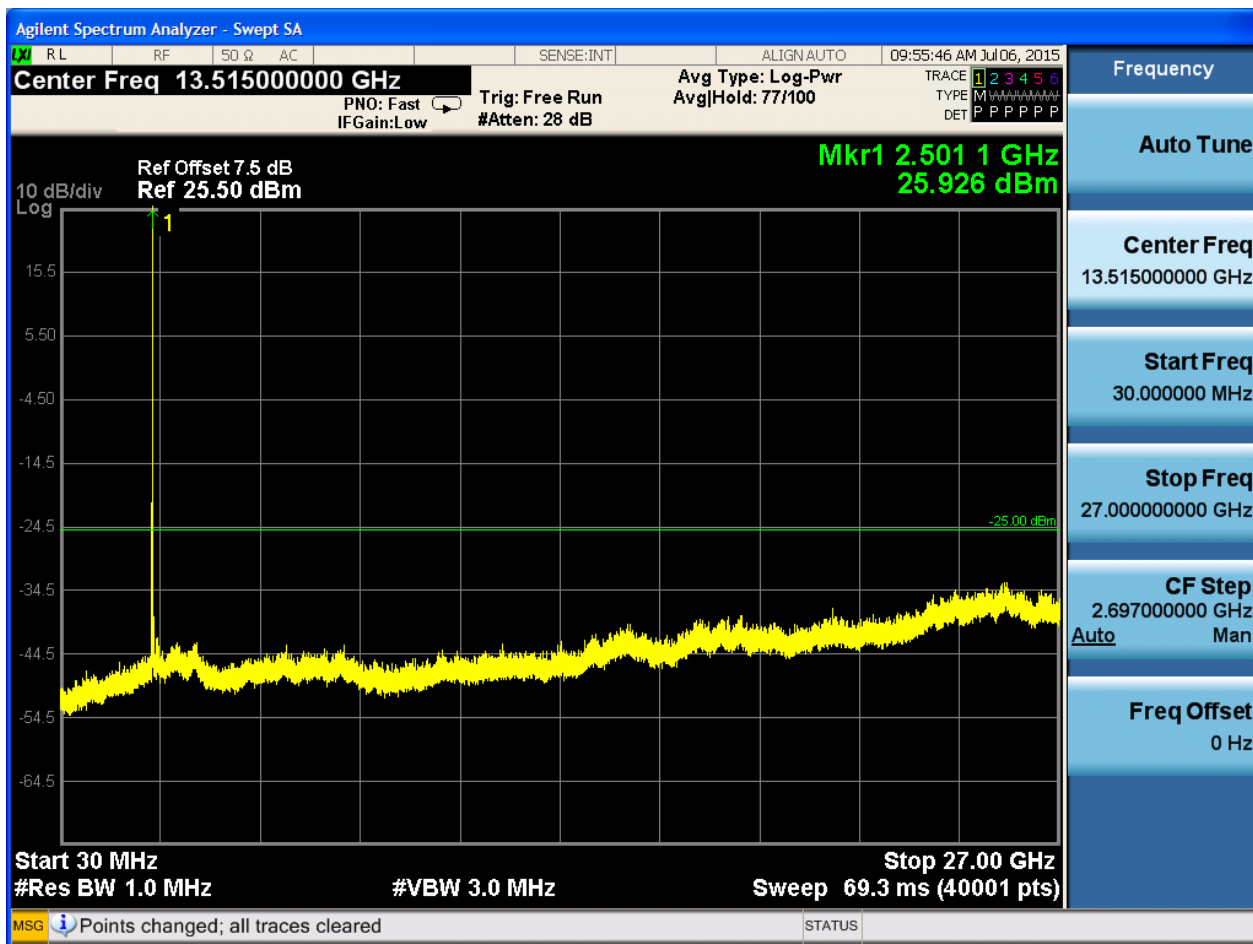
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



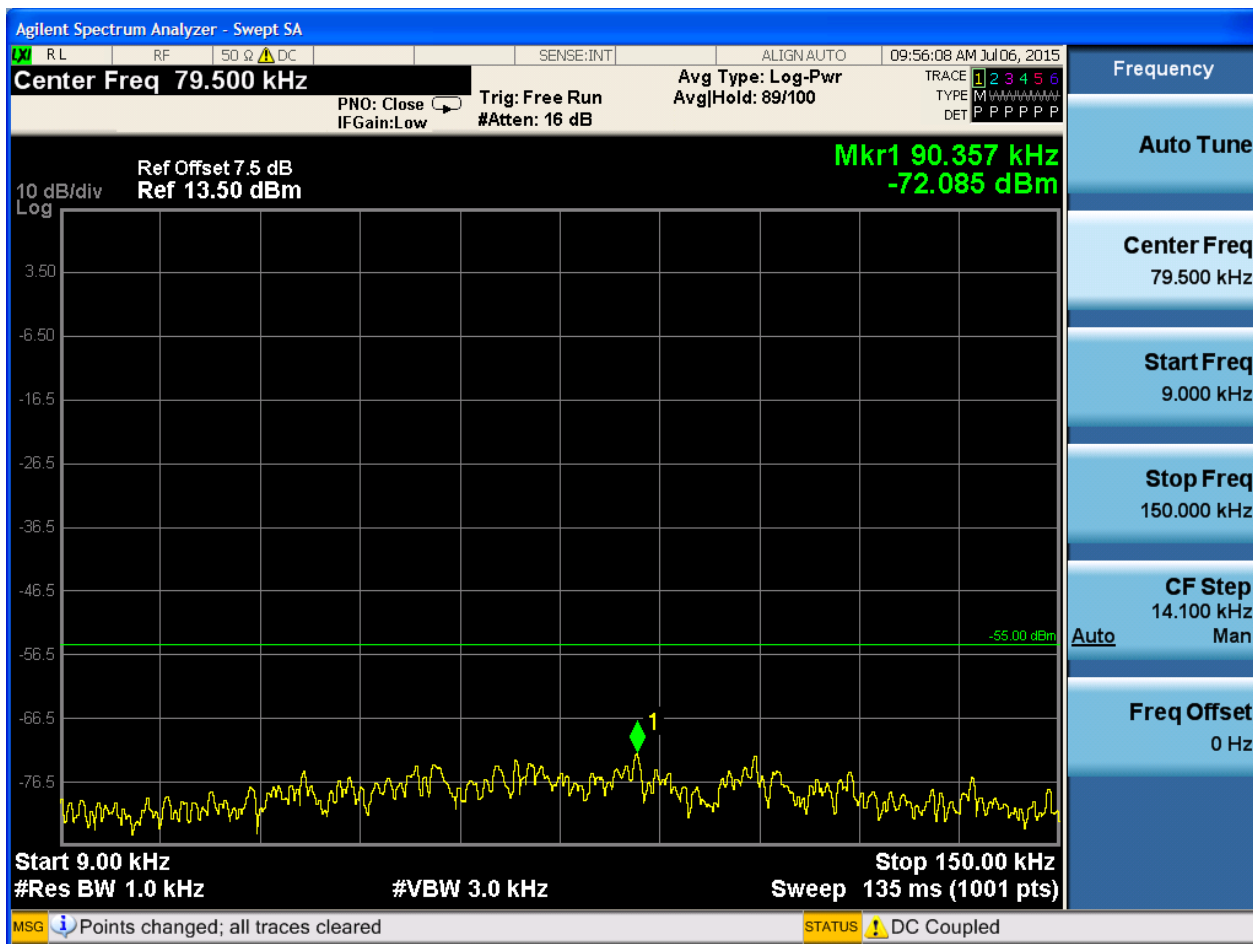


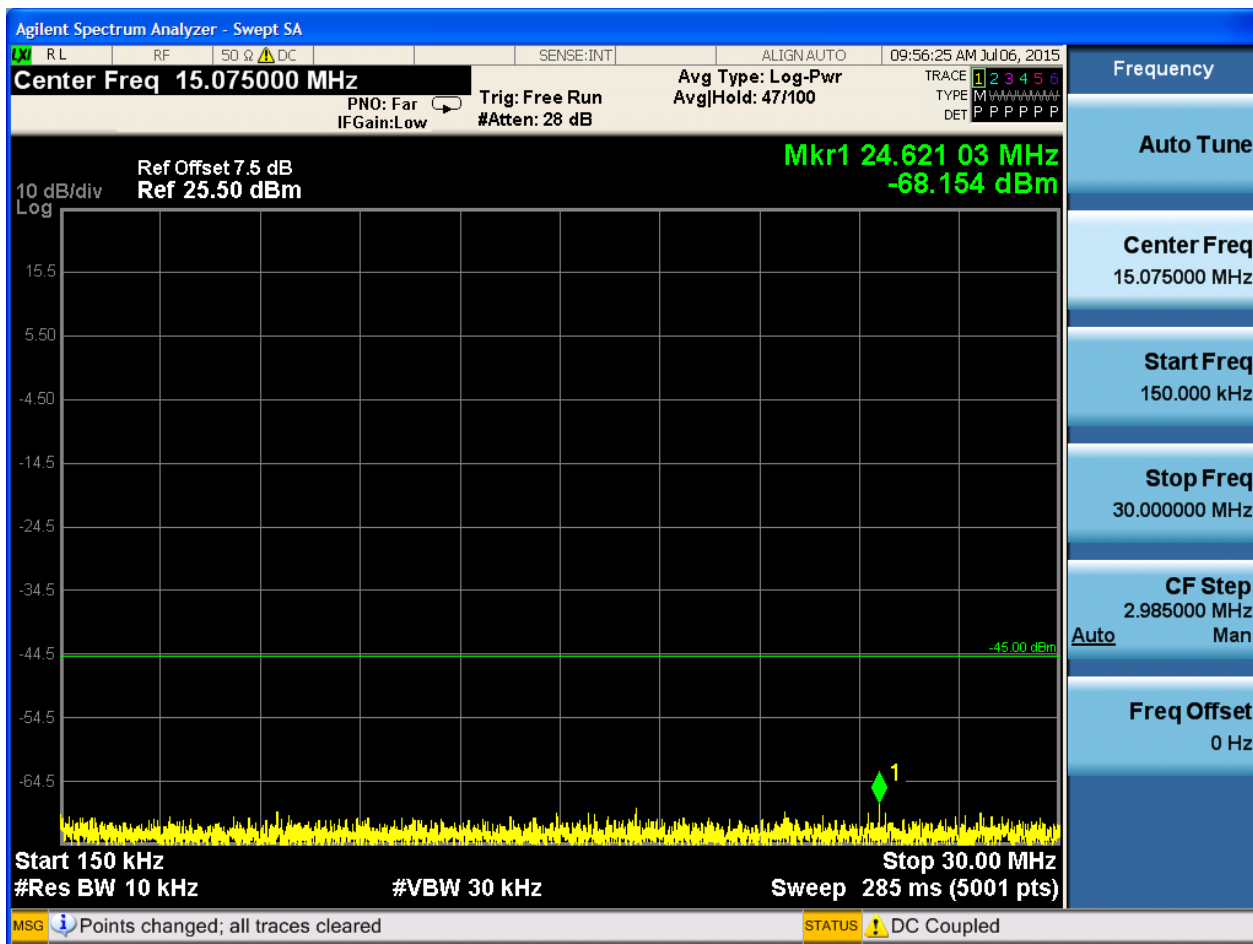




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

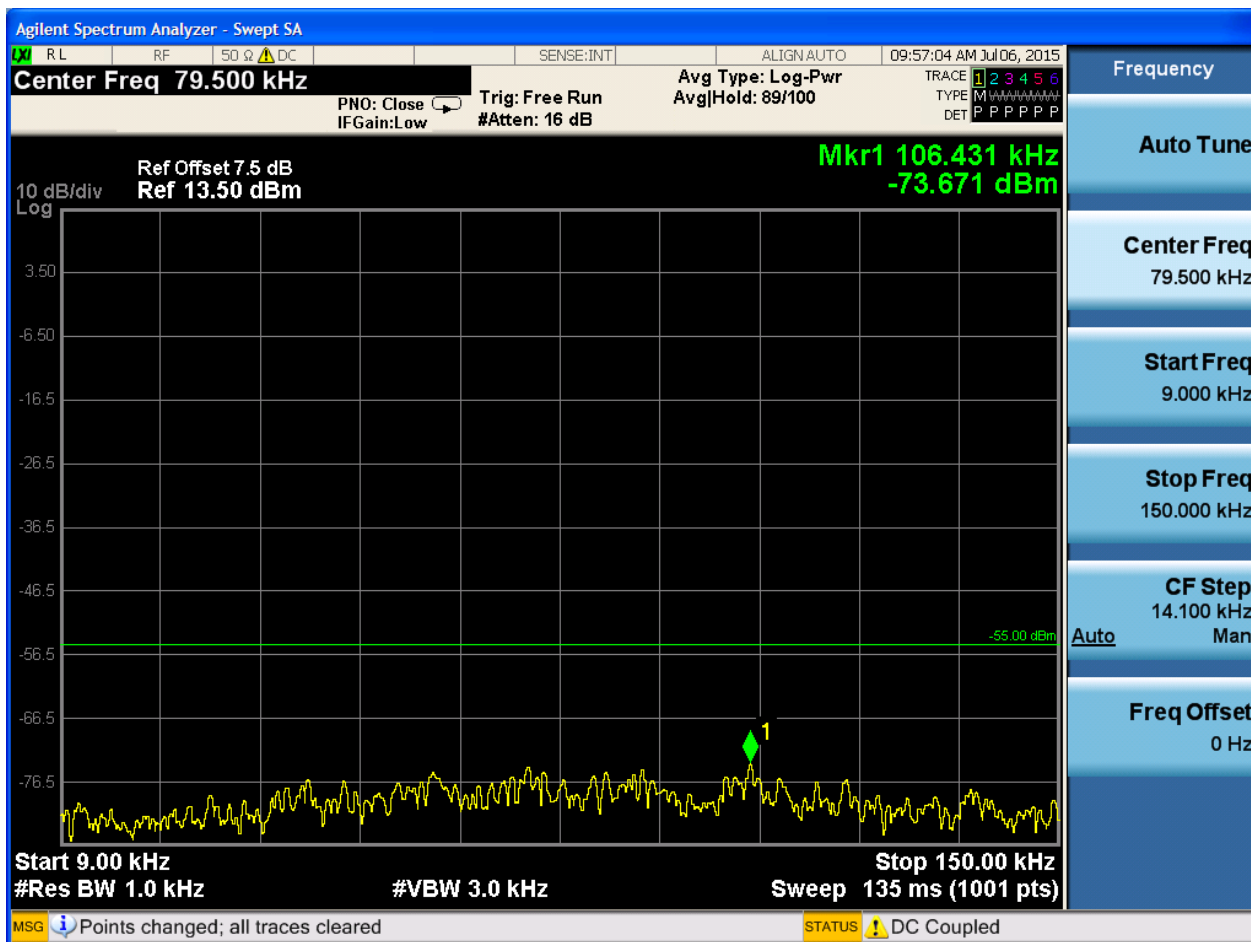


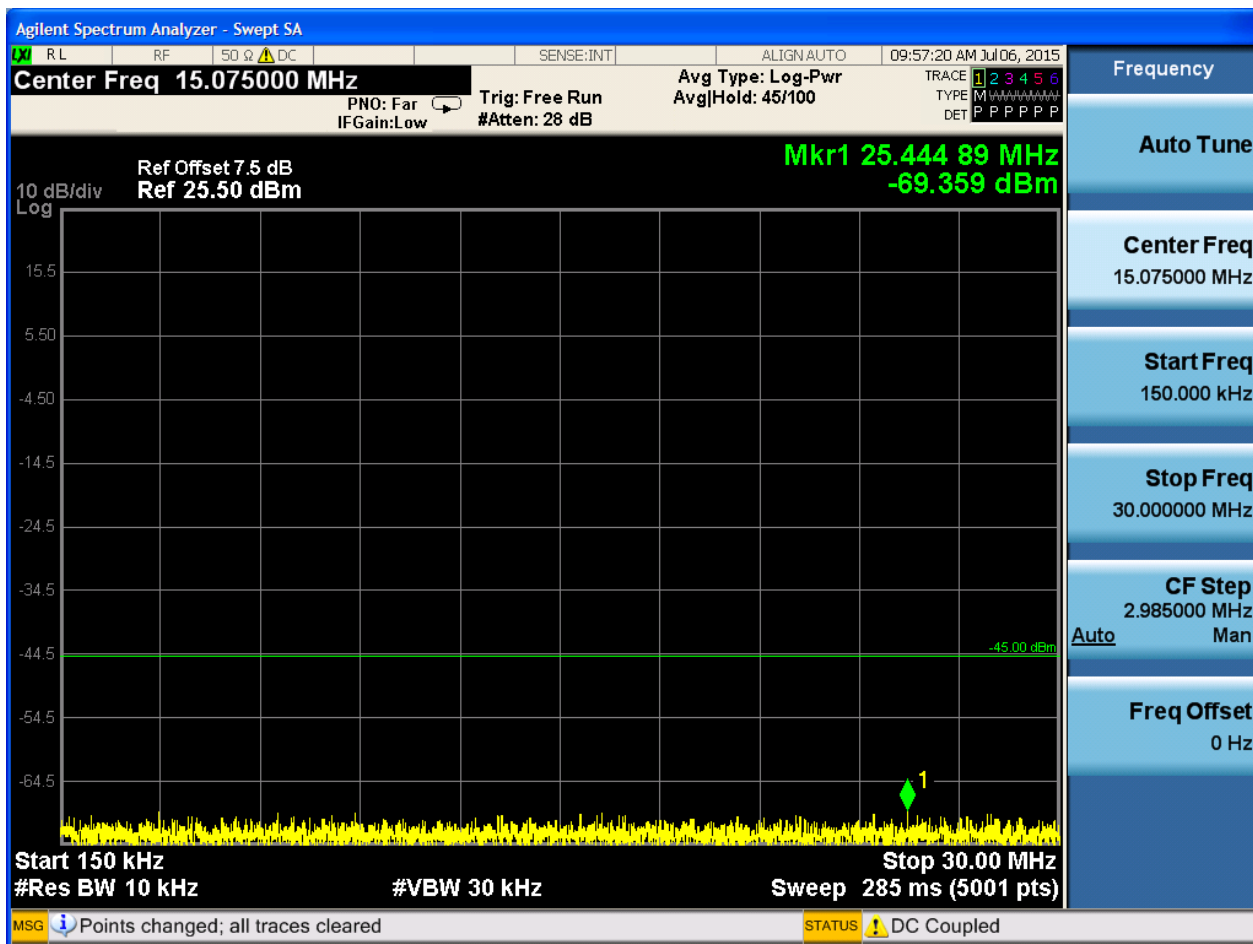




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







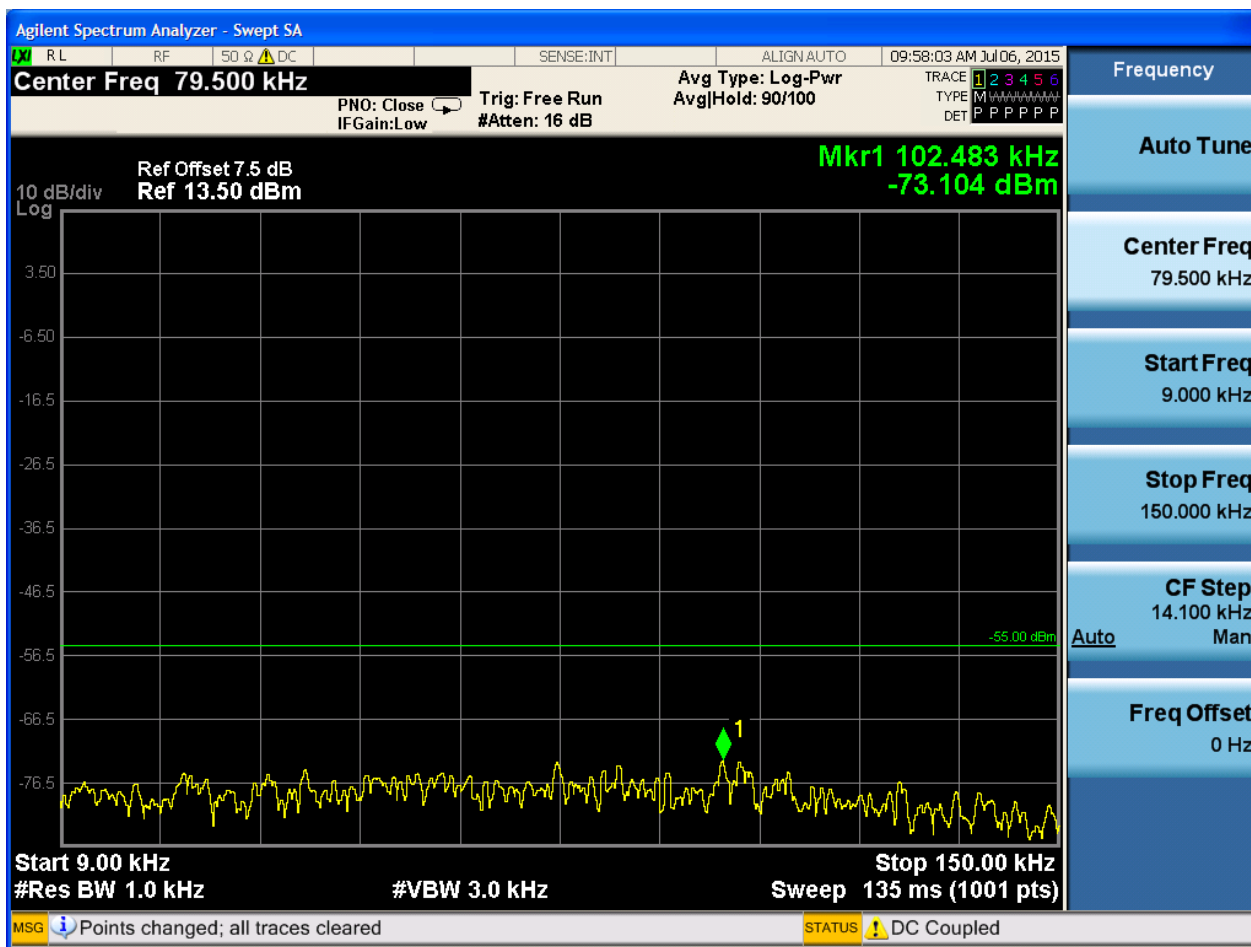


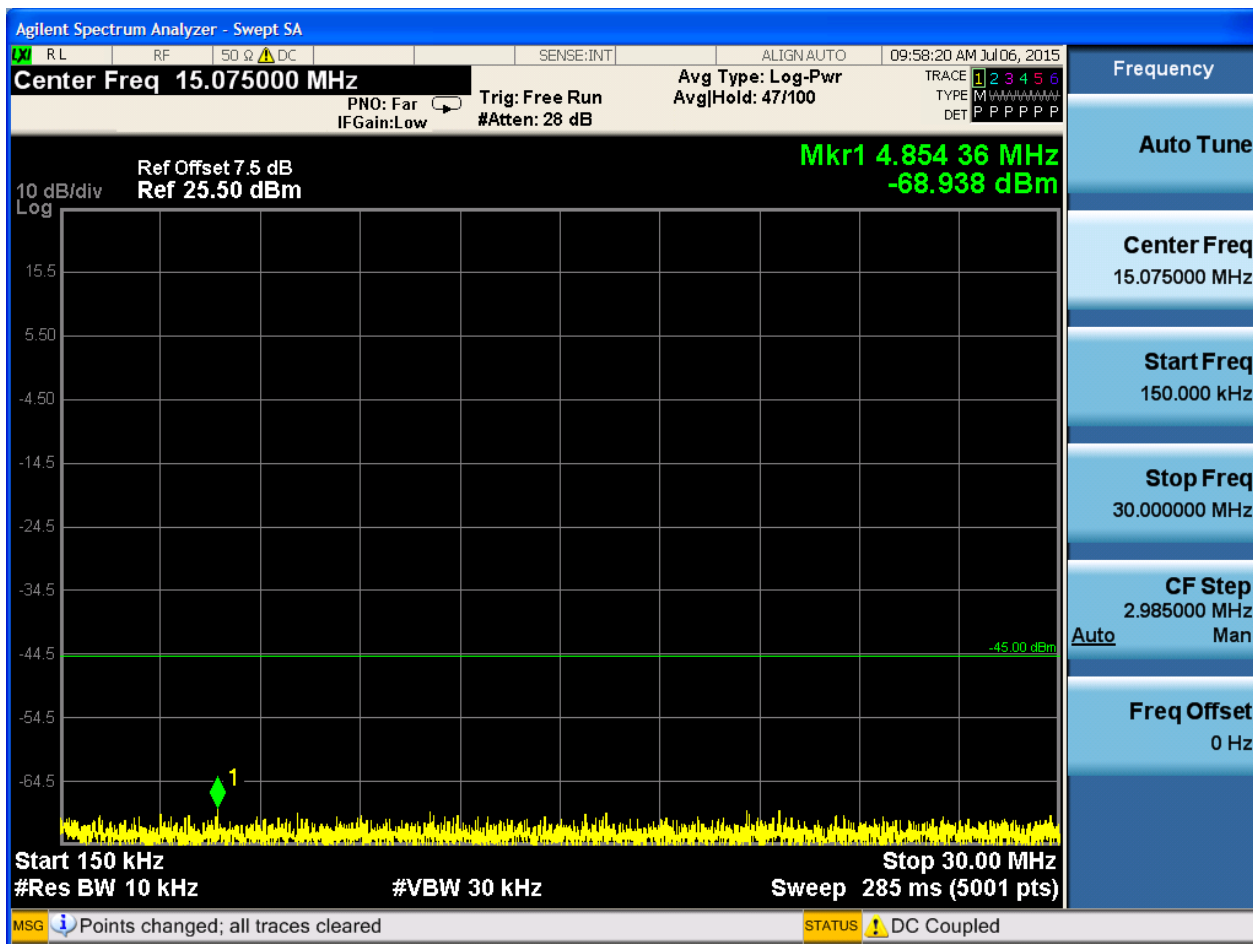
6.1.1.2 Test Mode = LTE/TM2

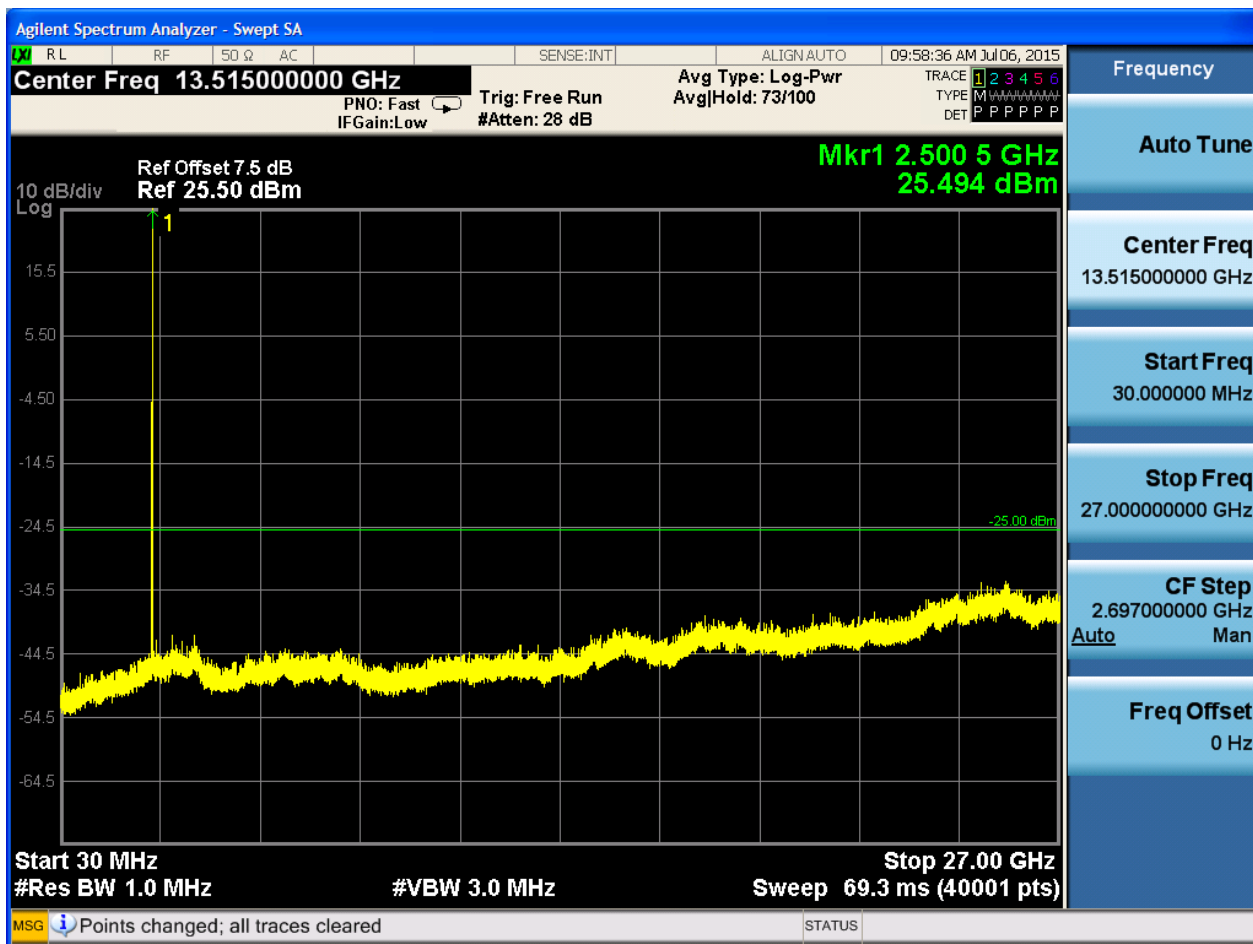
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



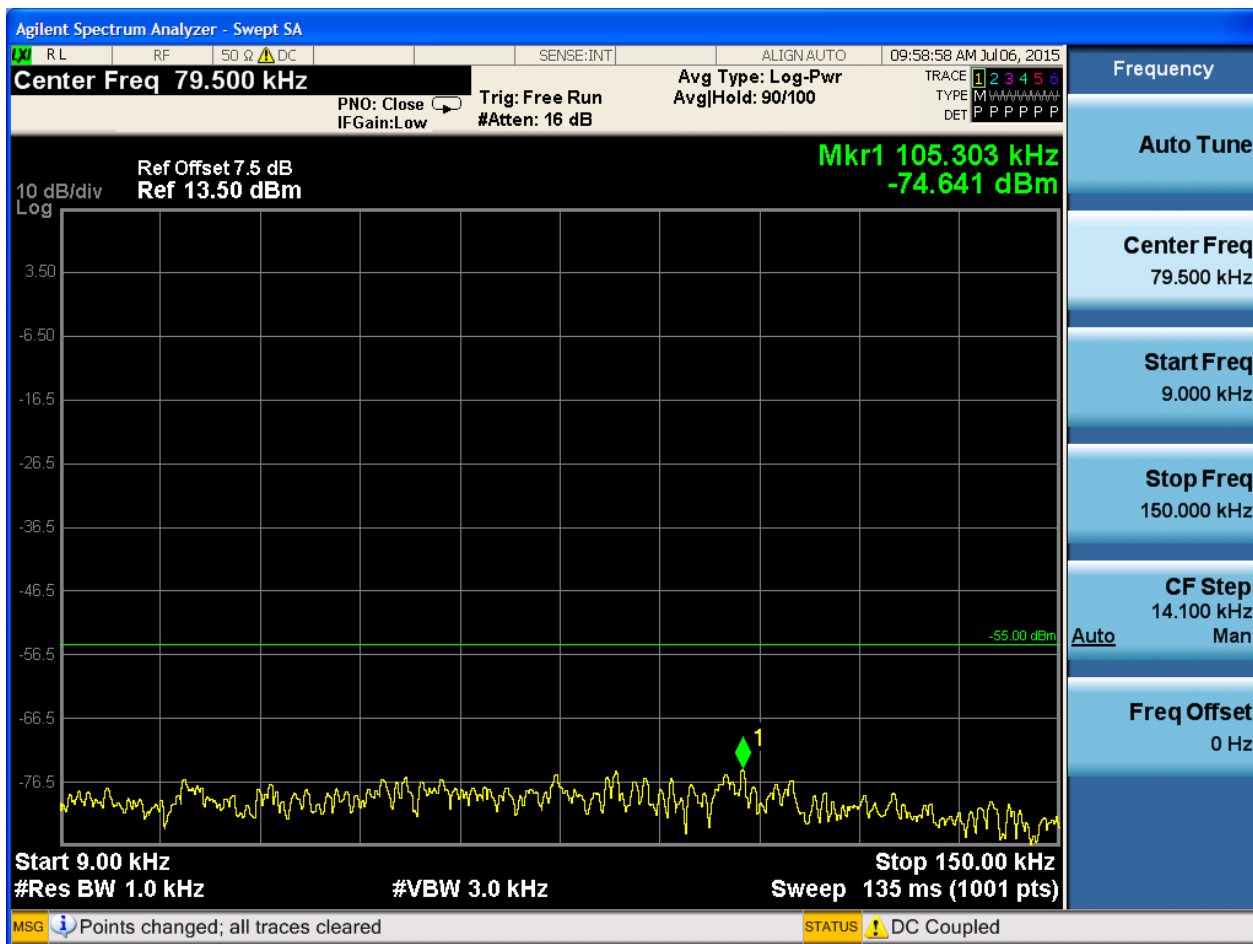


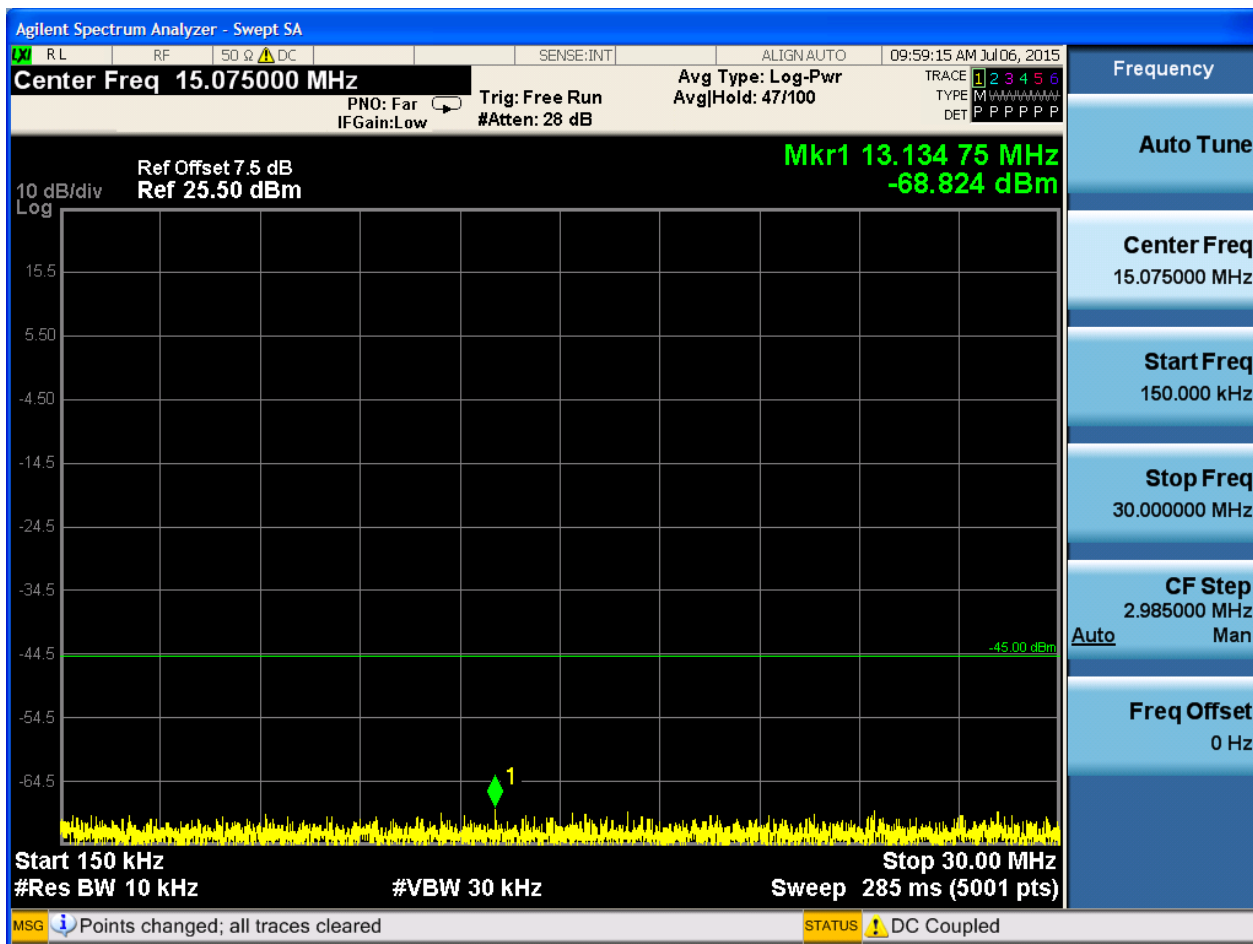


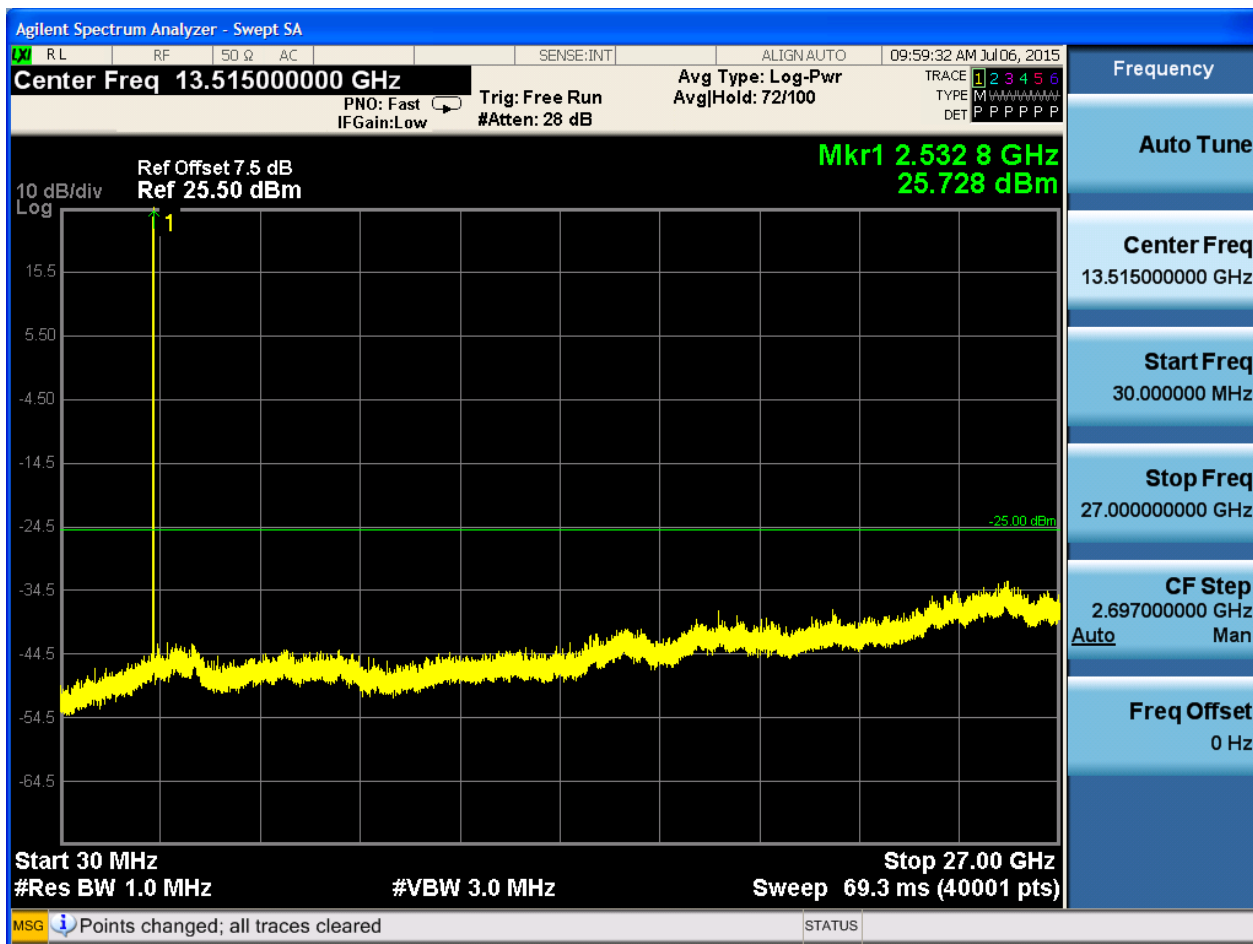


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



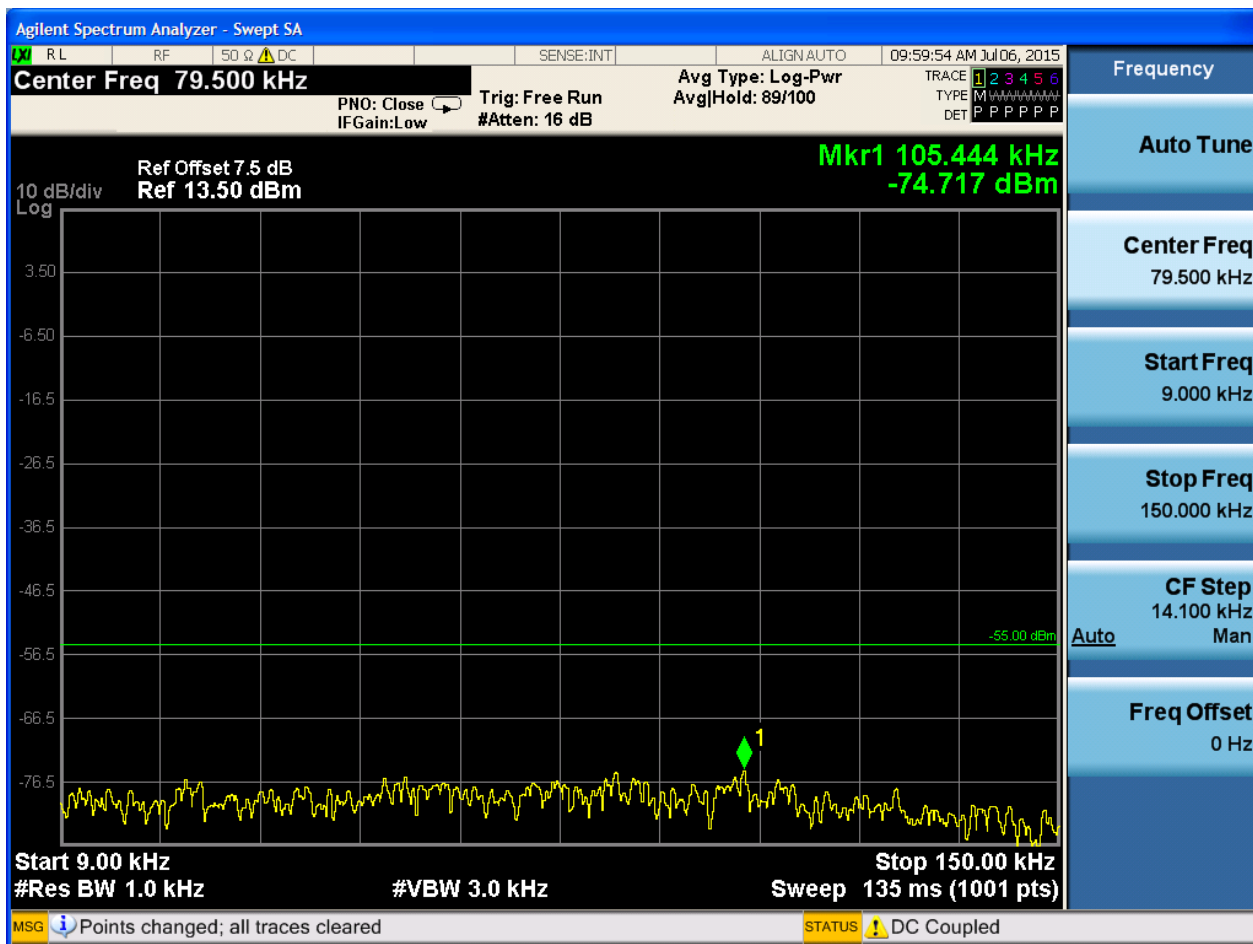


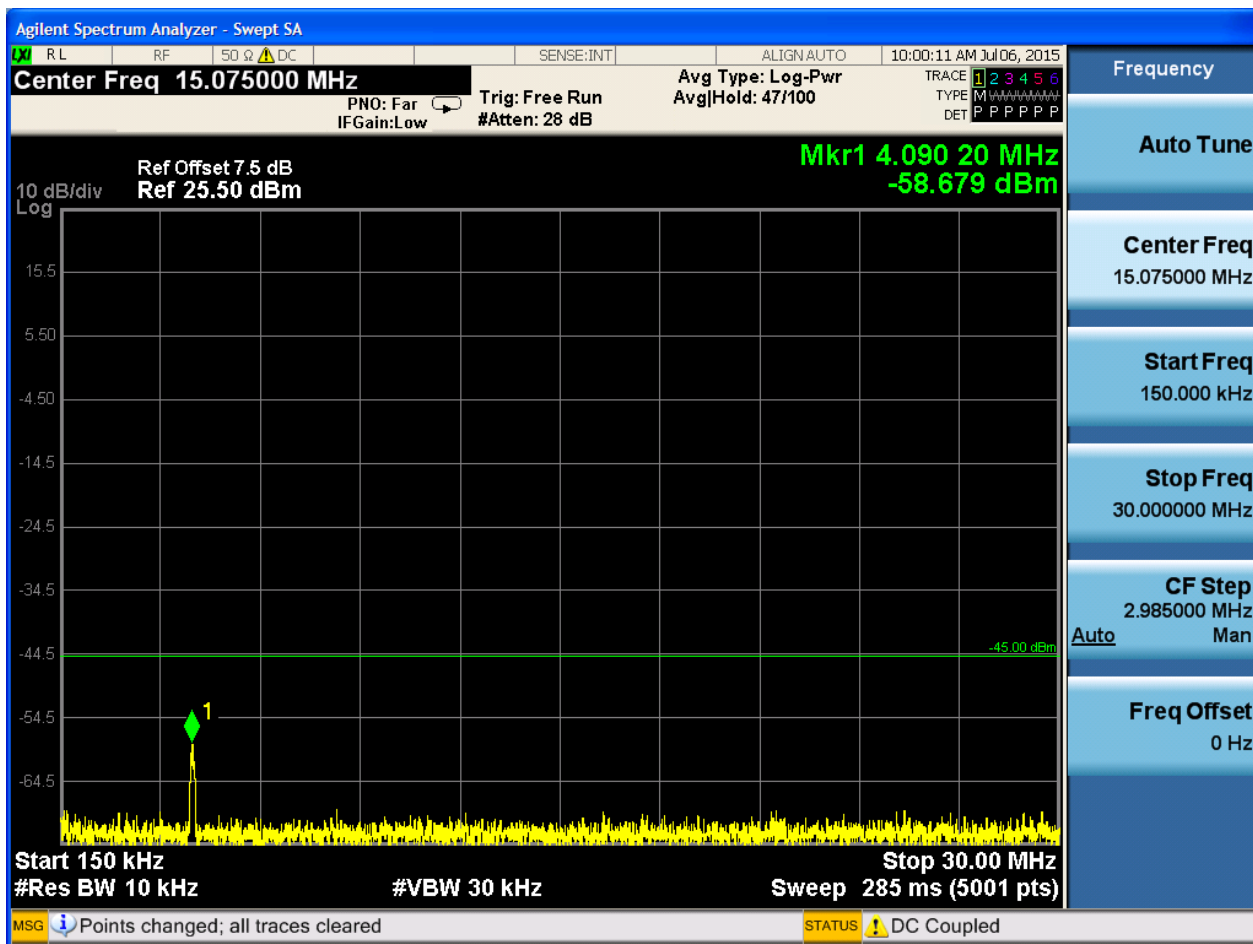


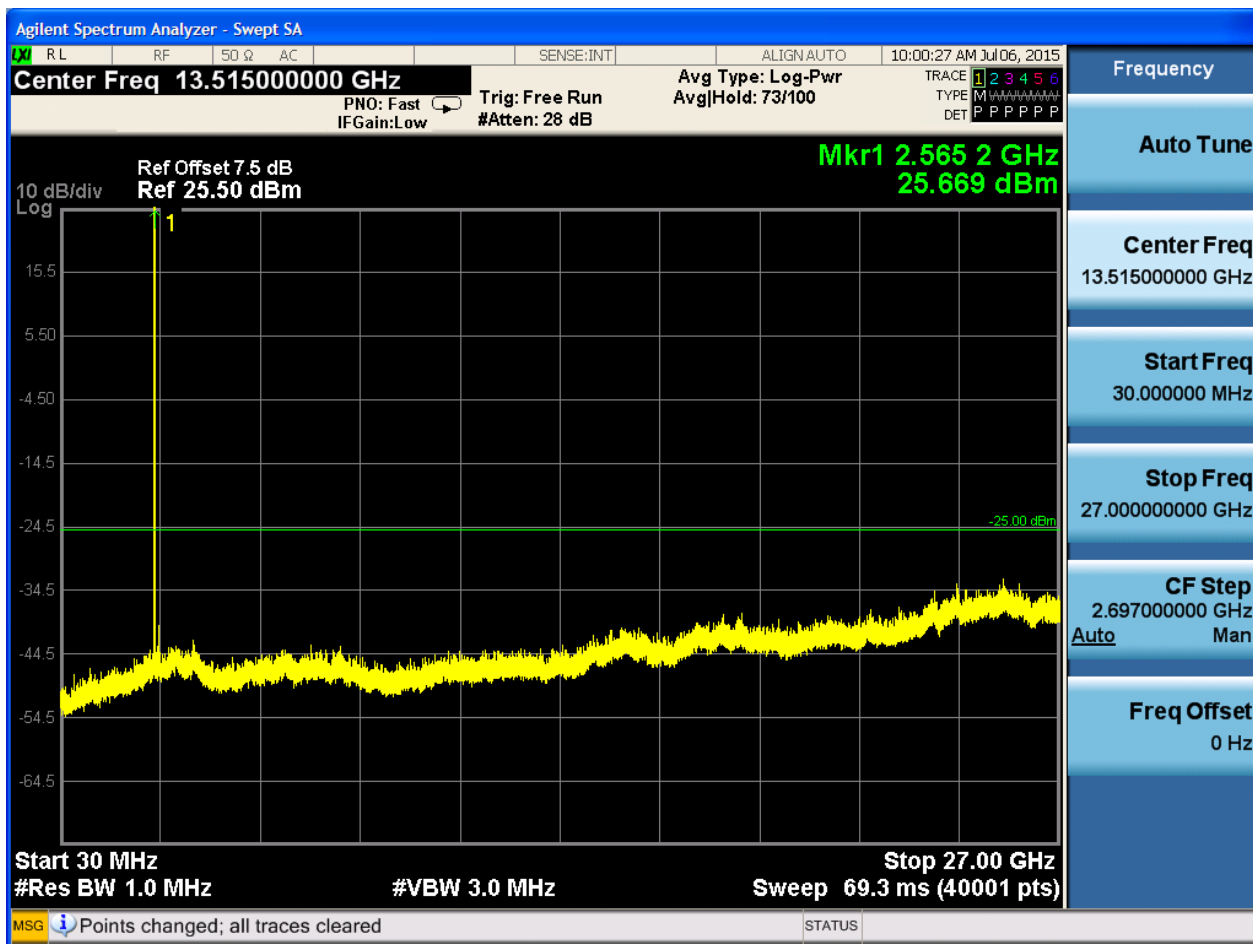


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



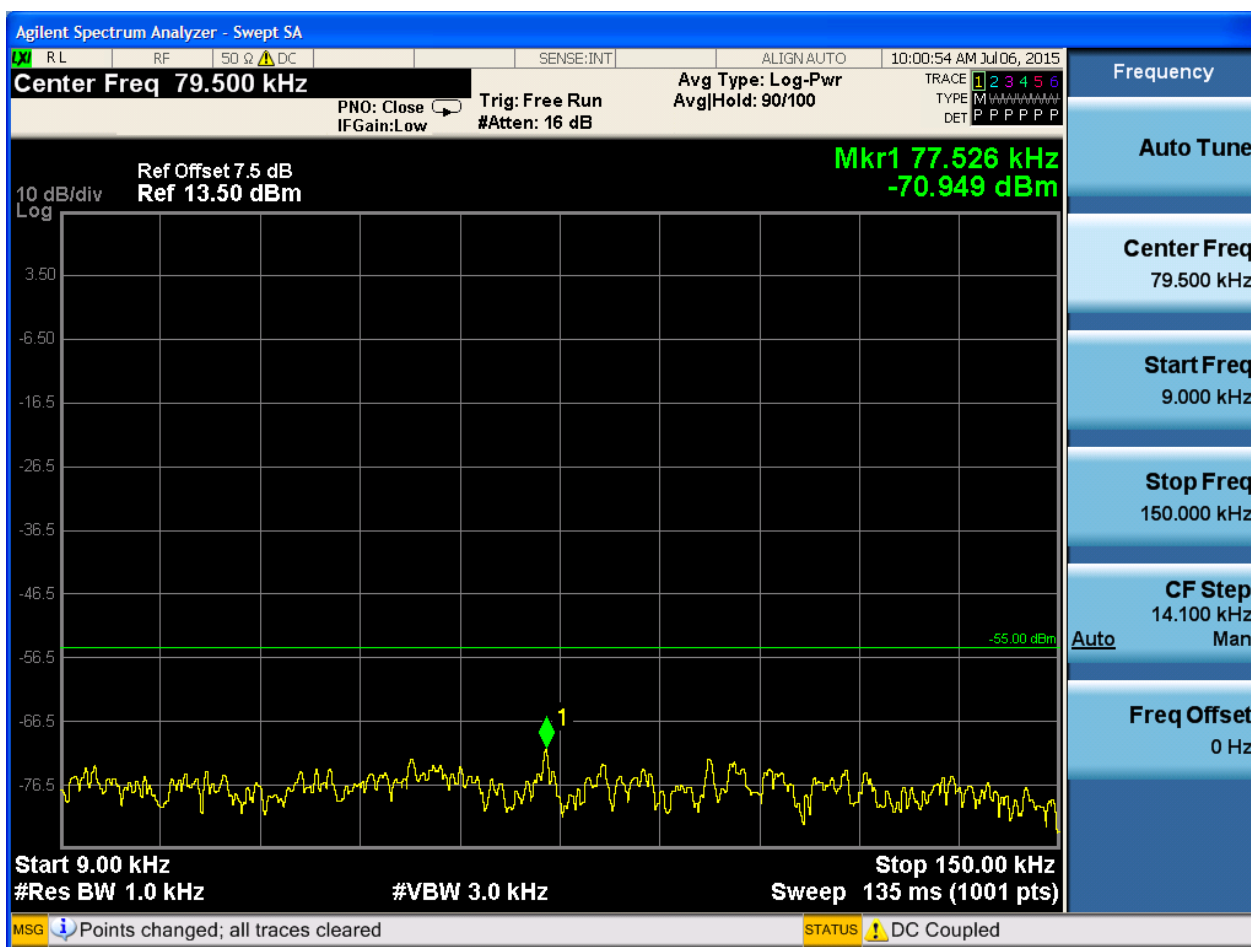


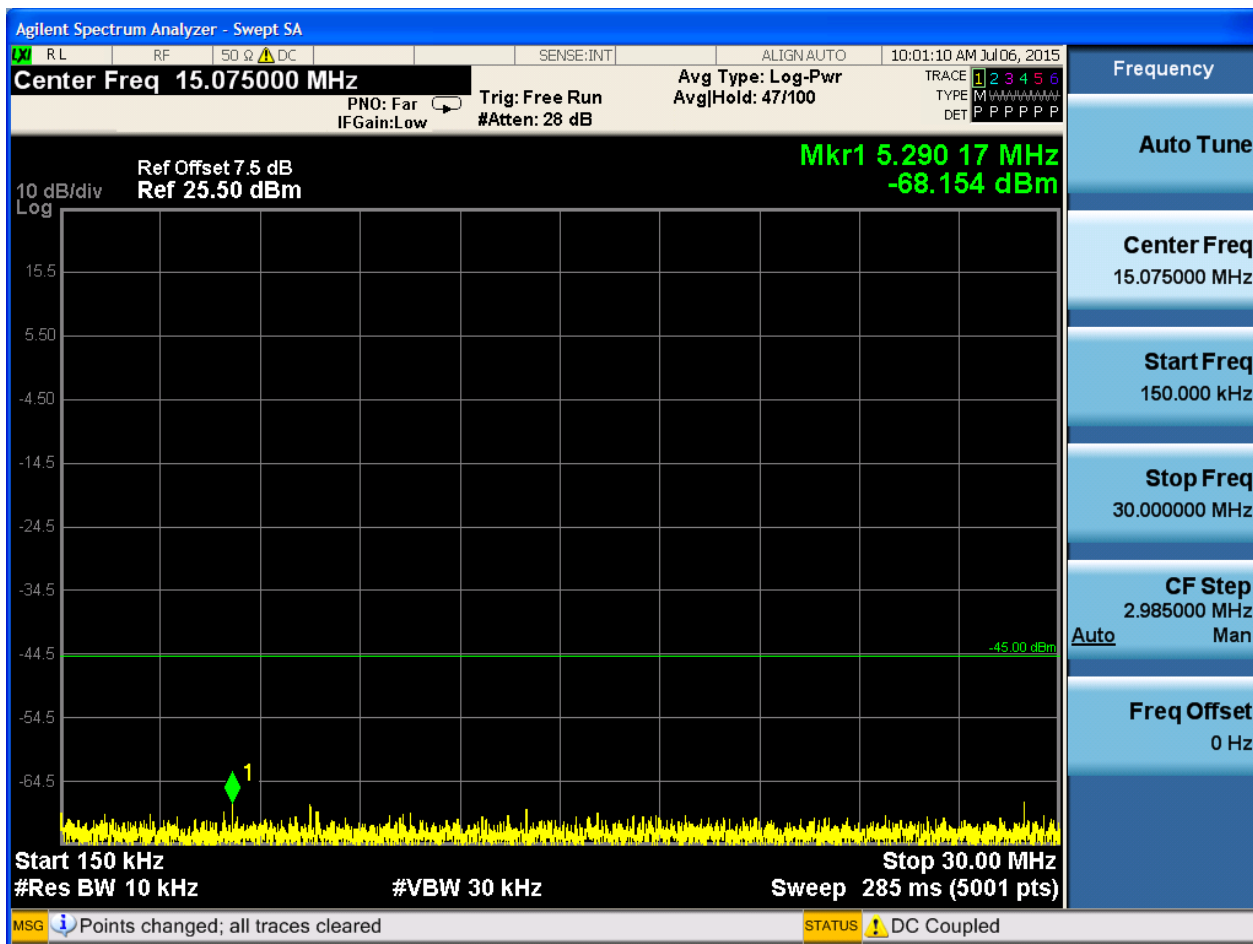


6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

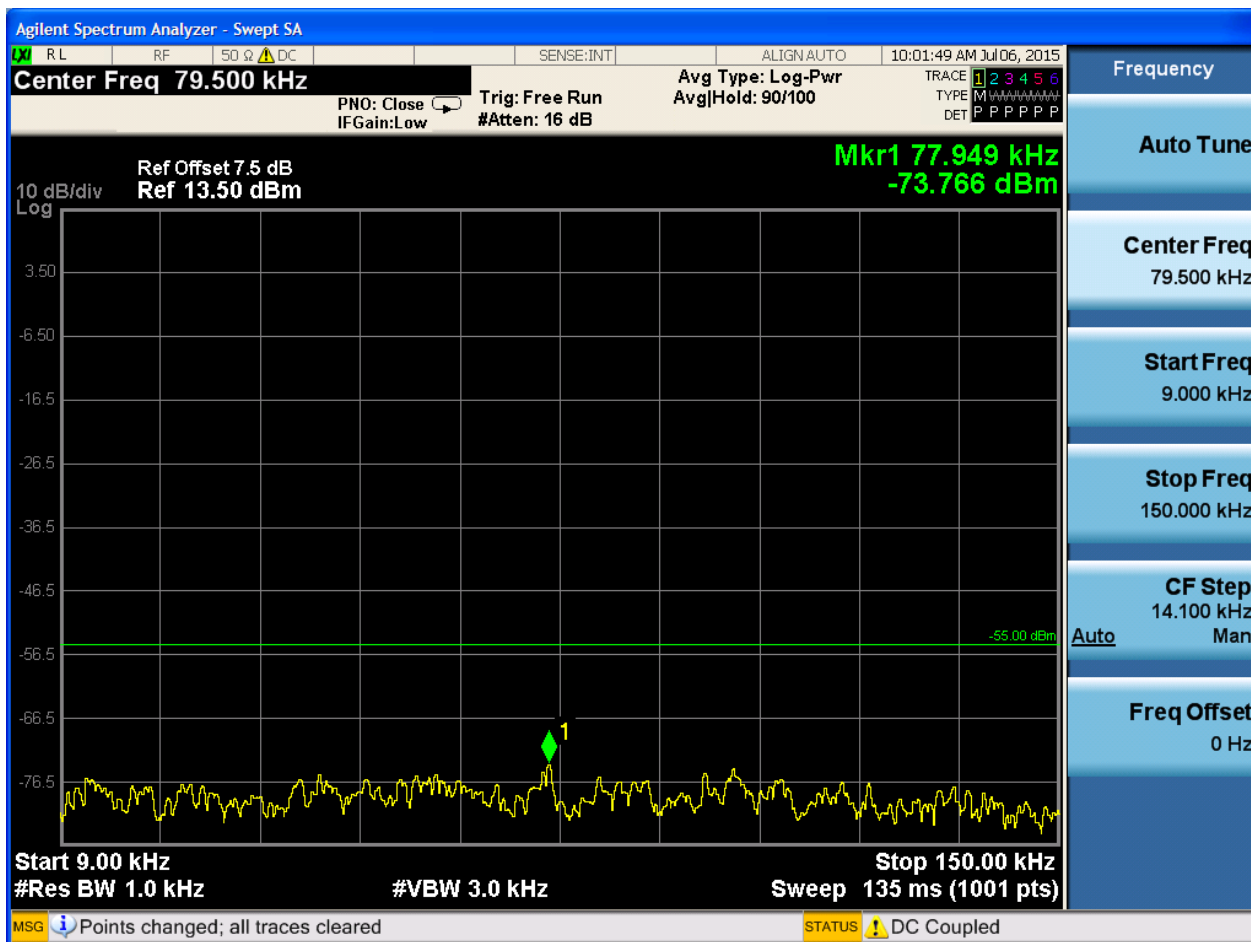




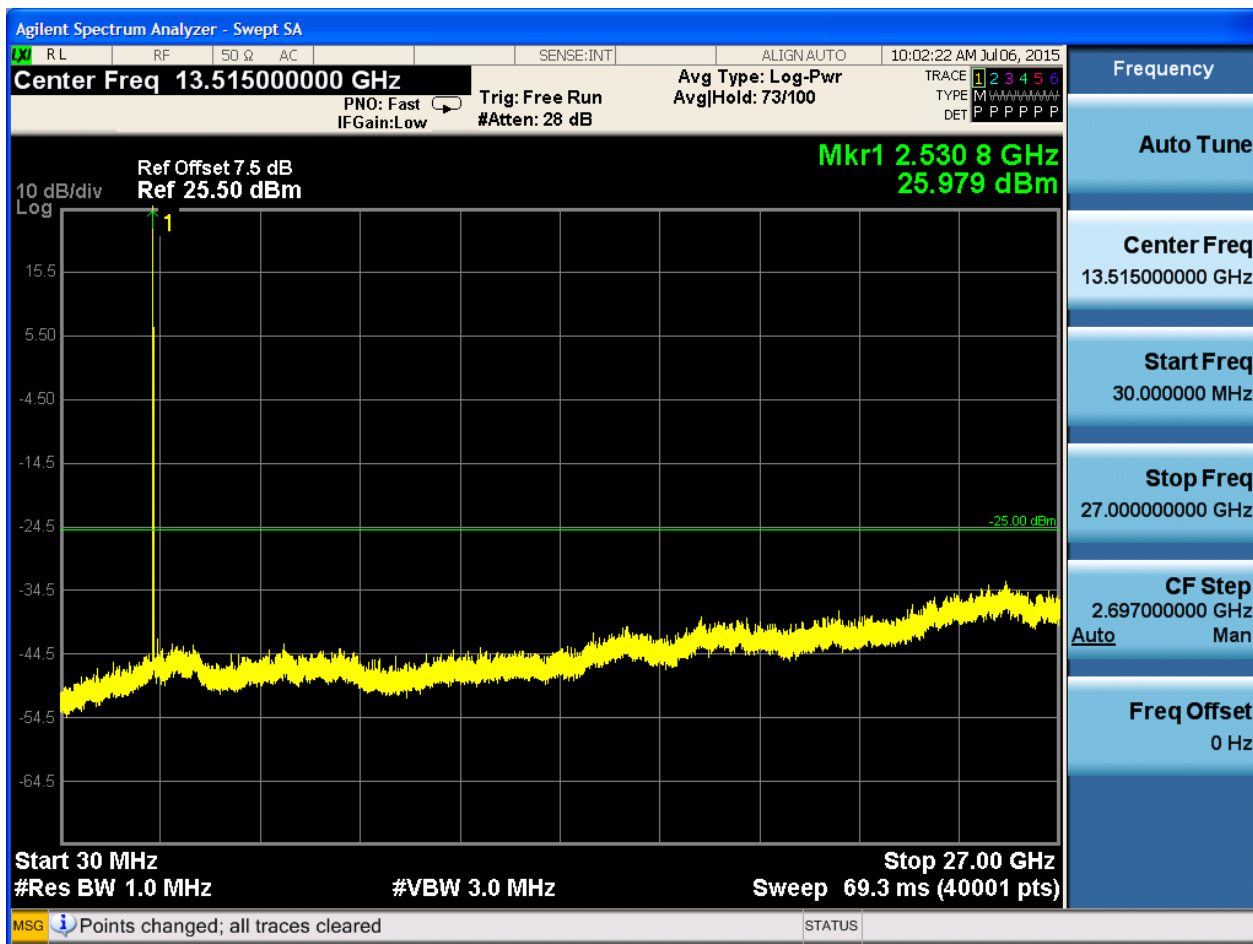


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



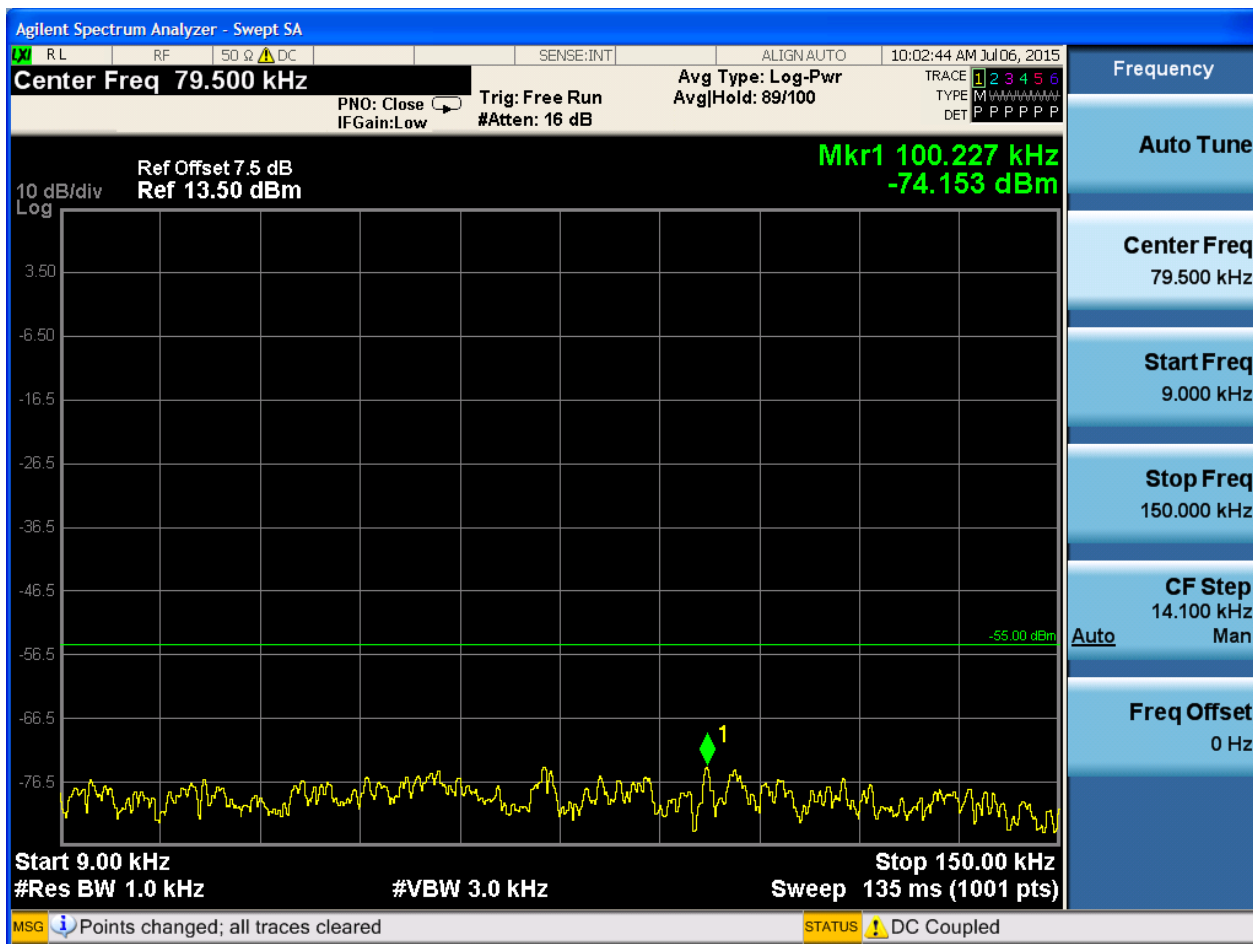


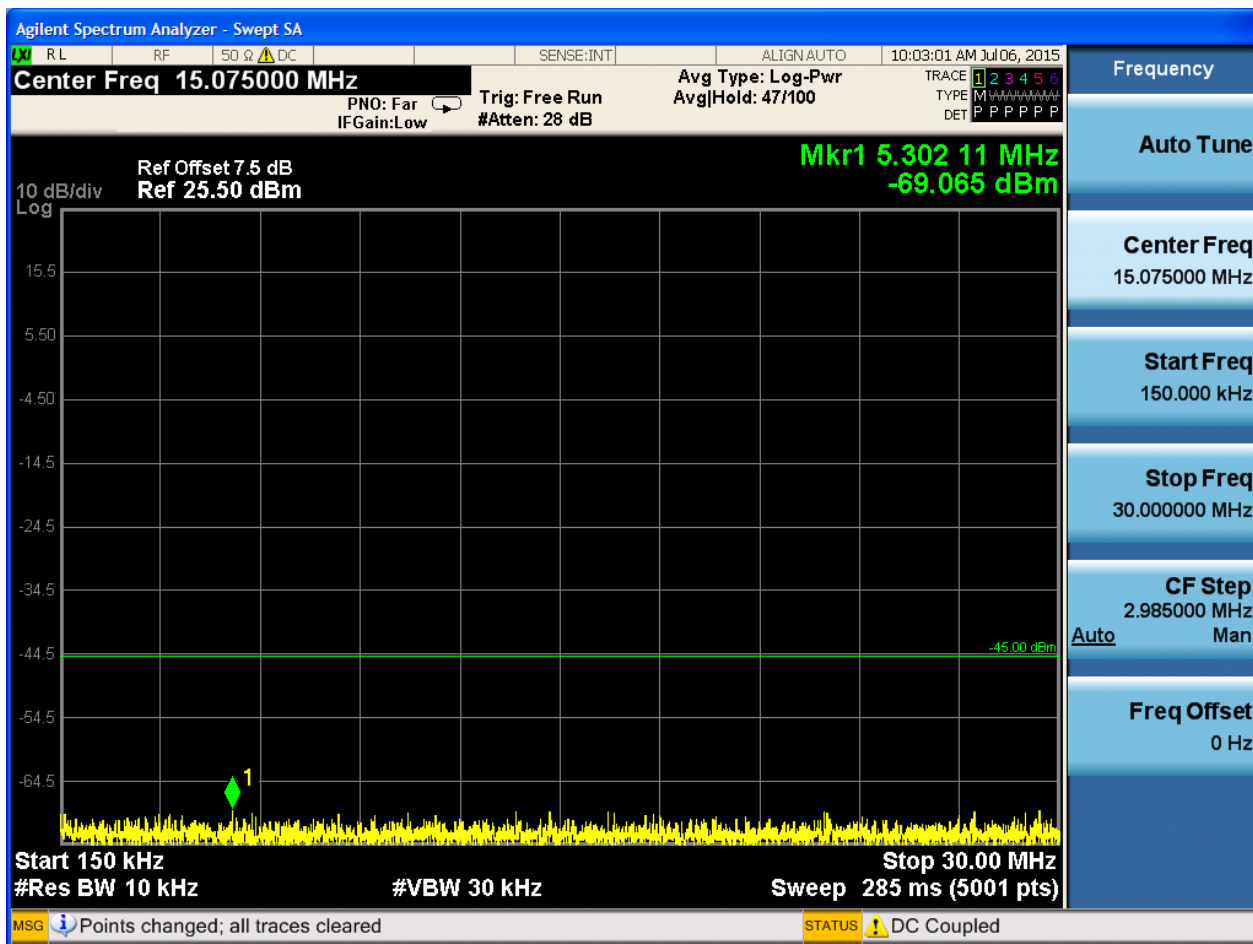


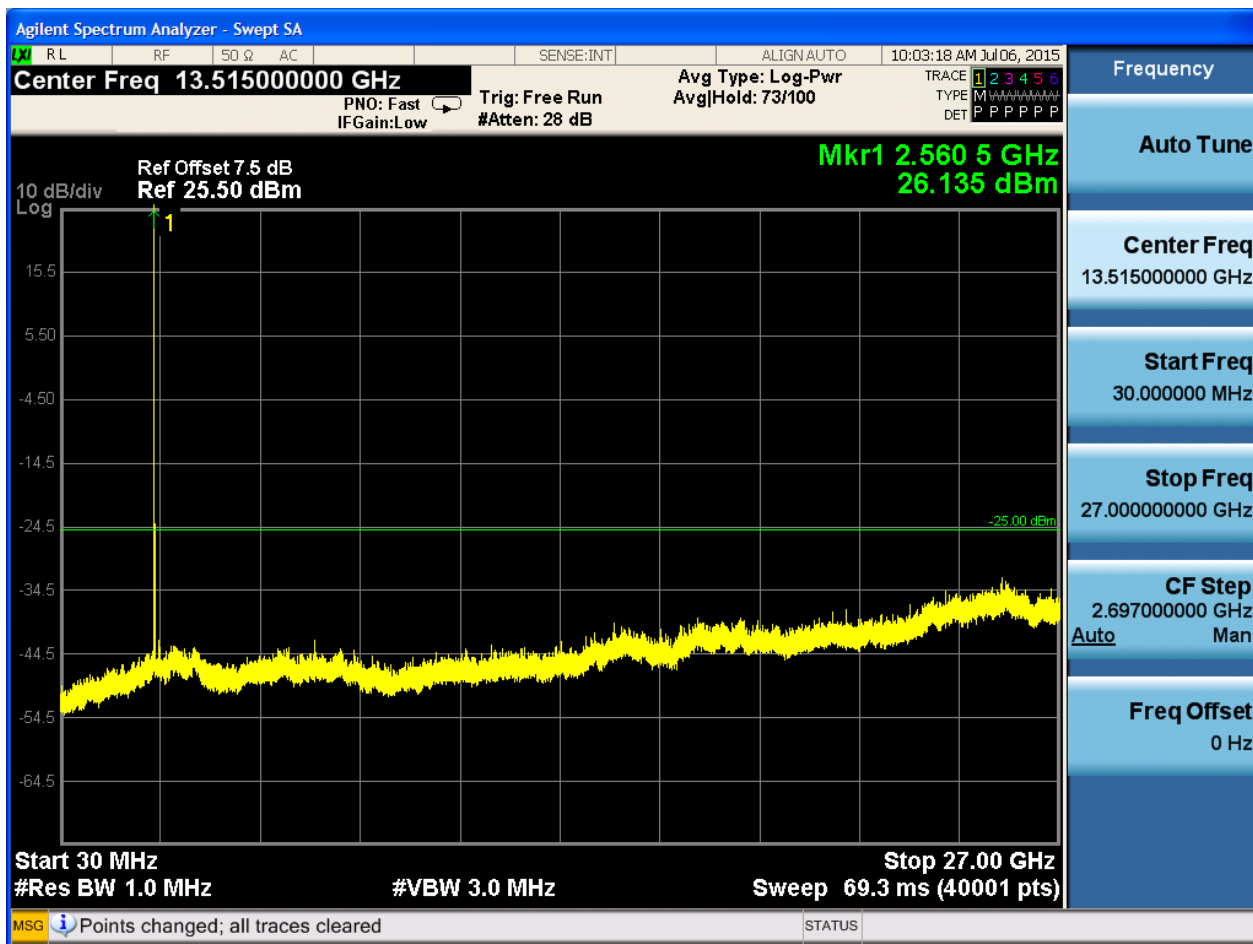


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



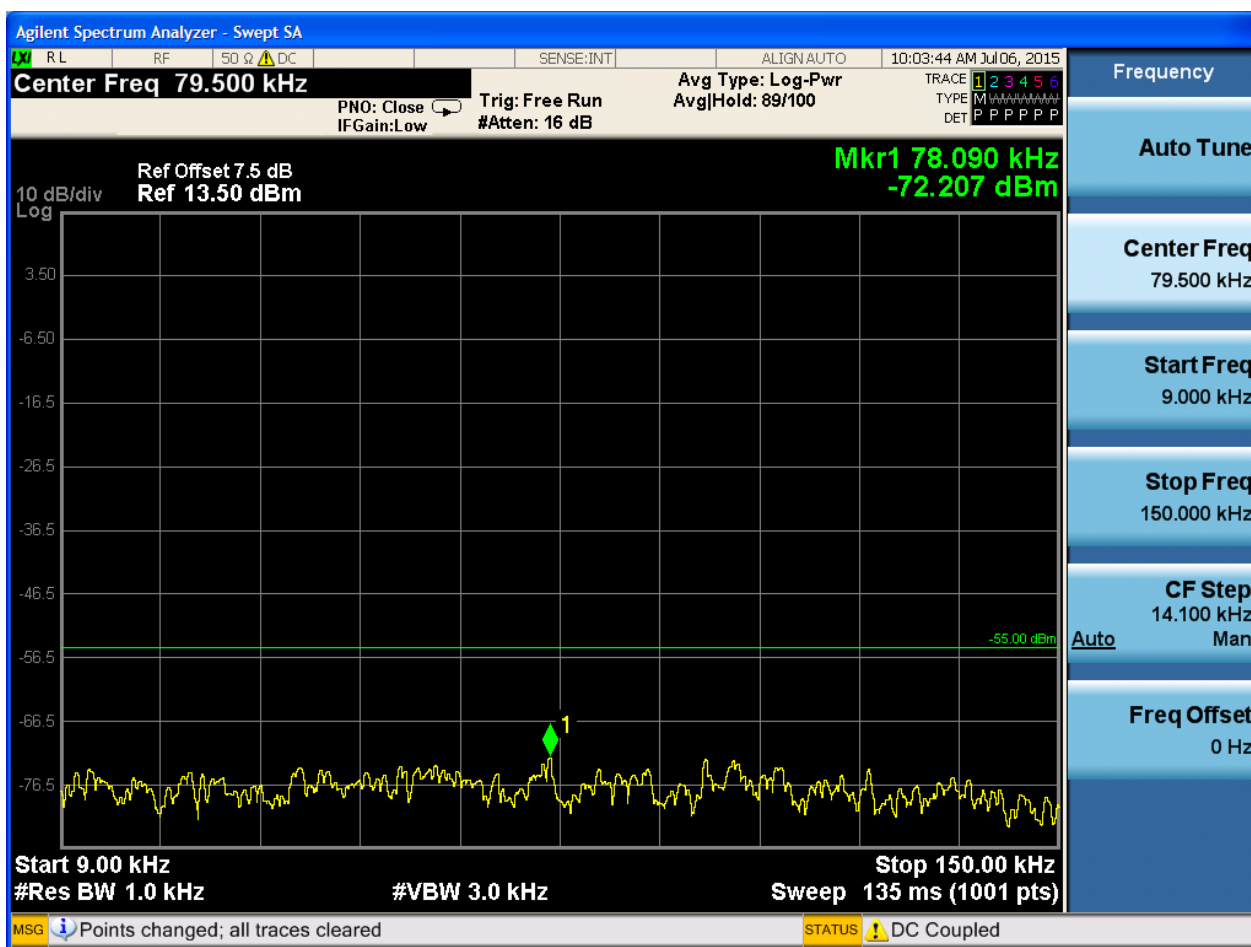


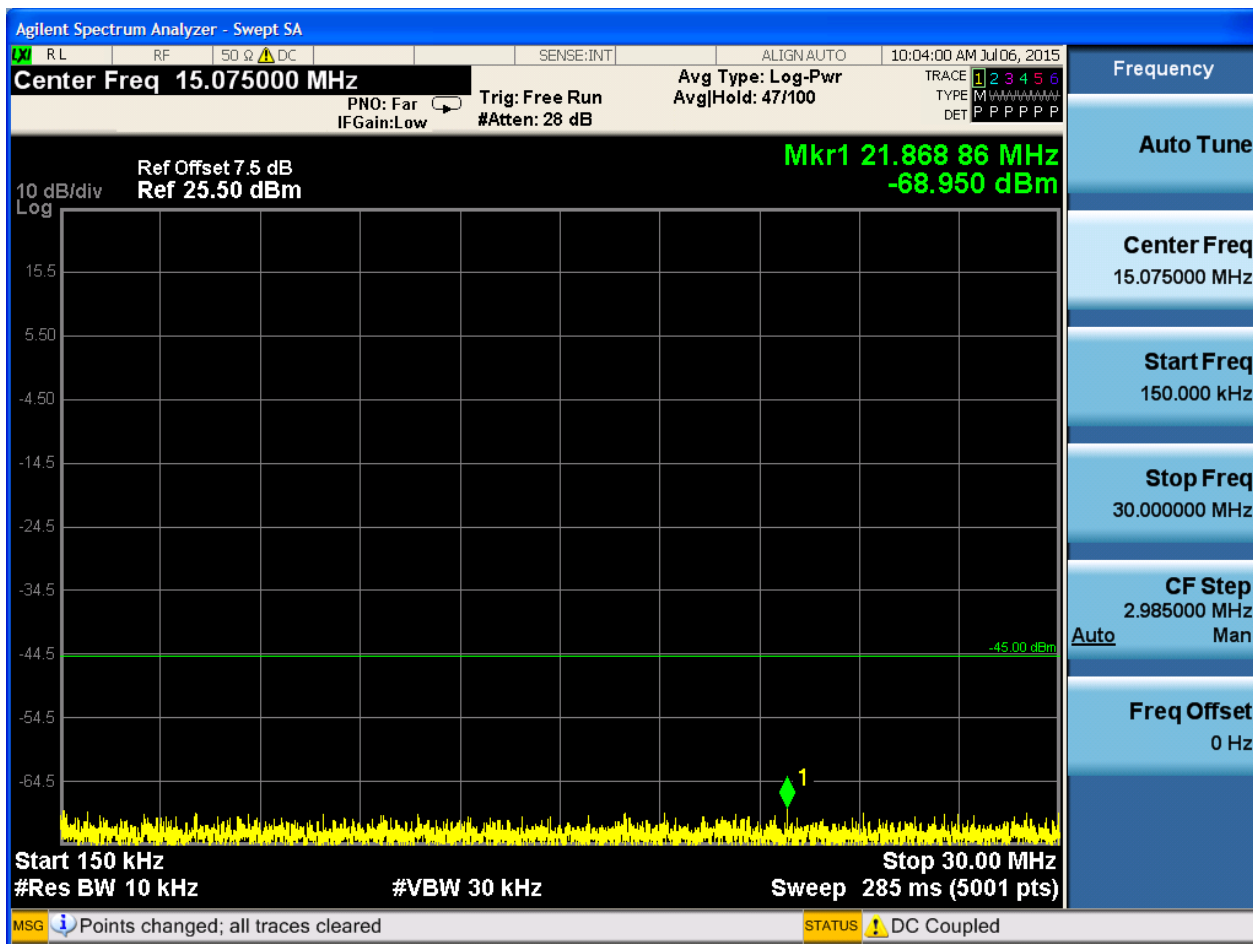


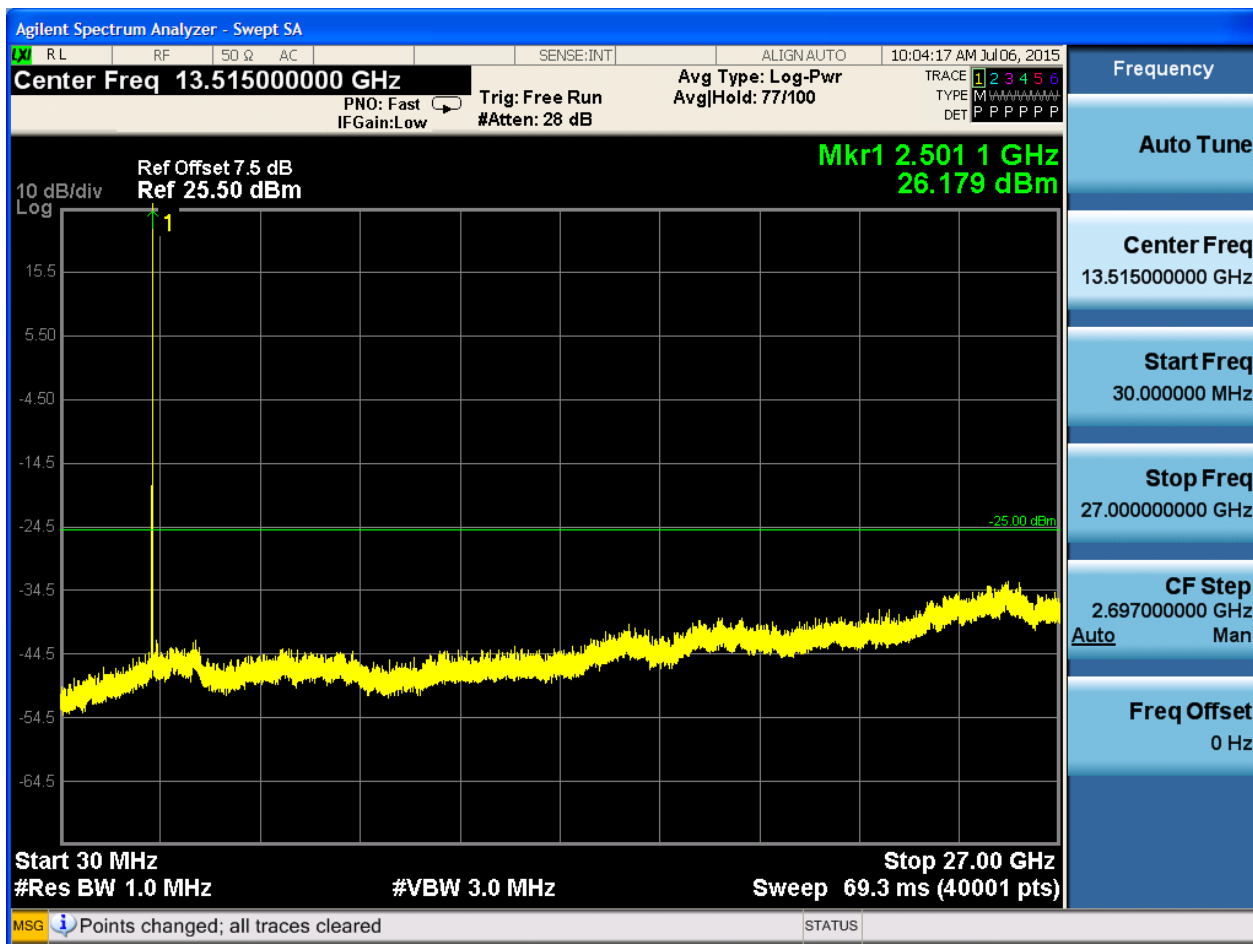
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

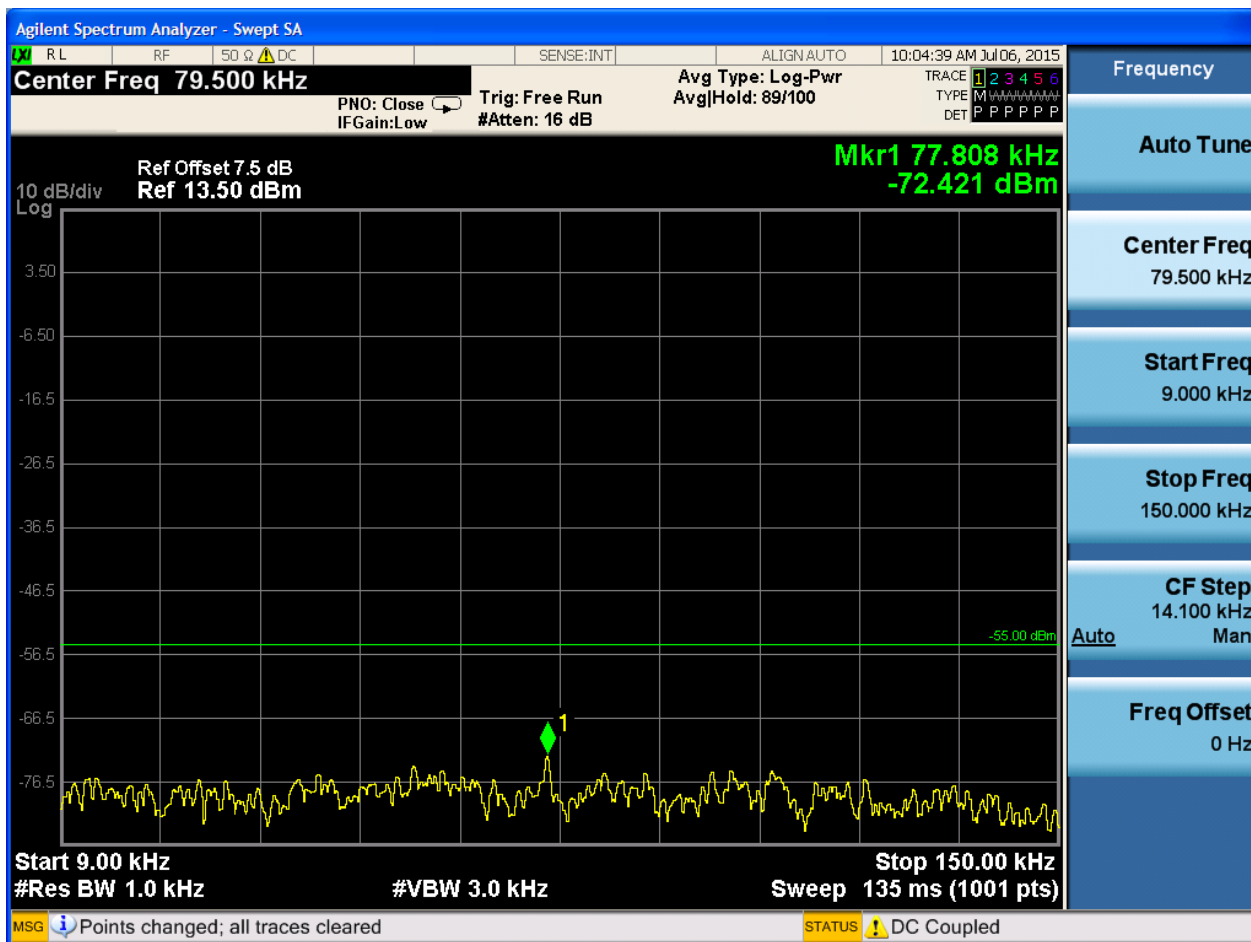


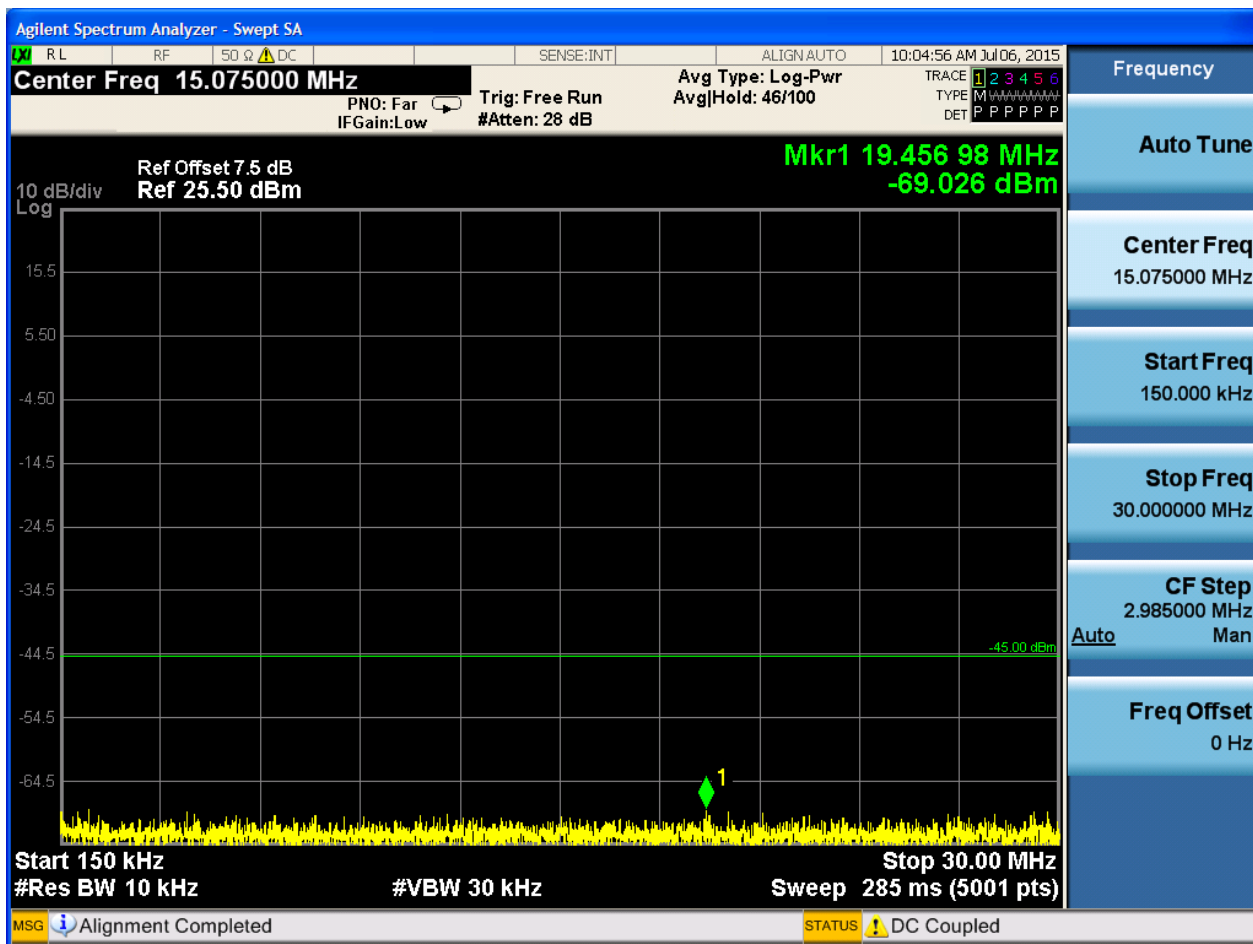


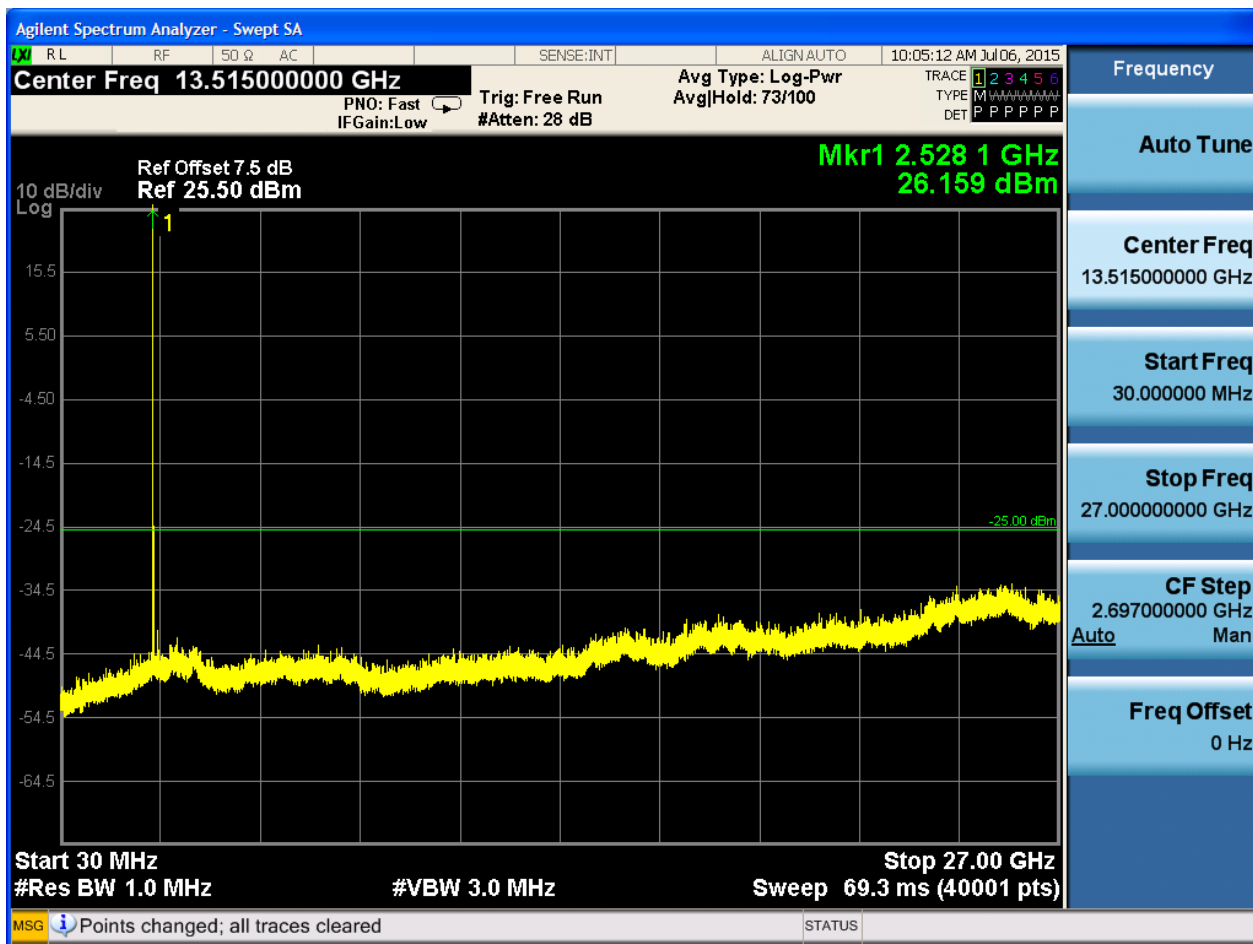


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

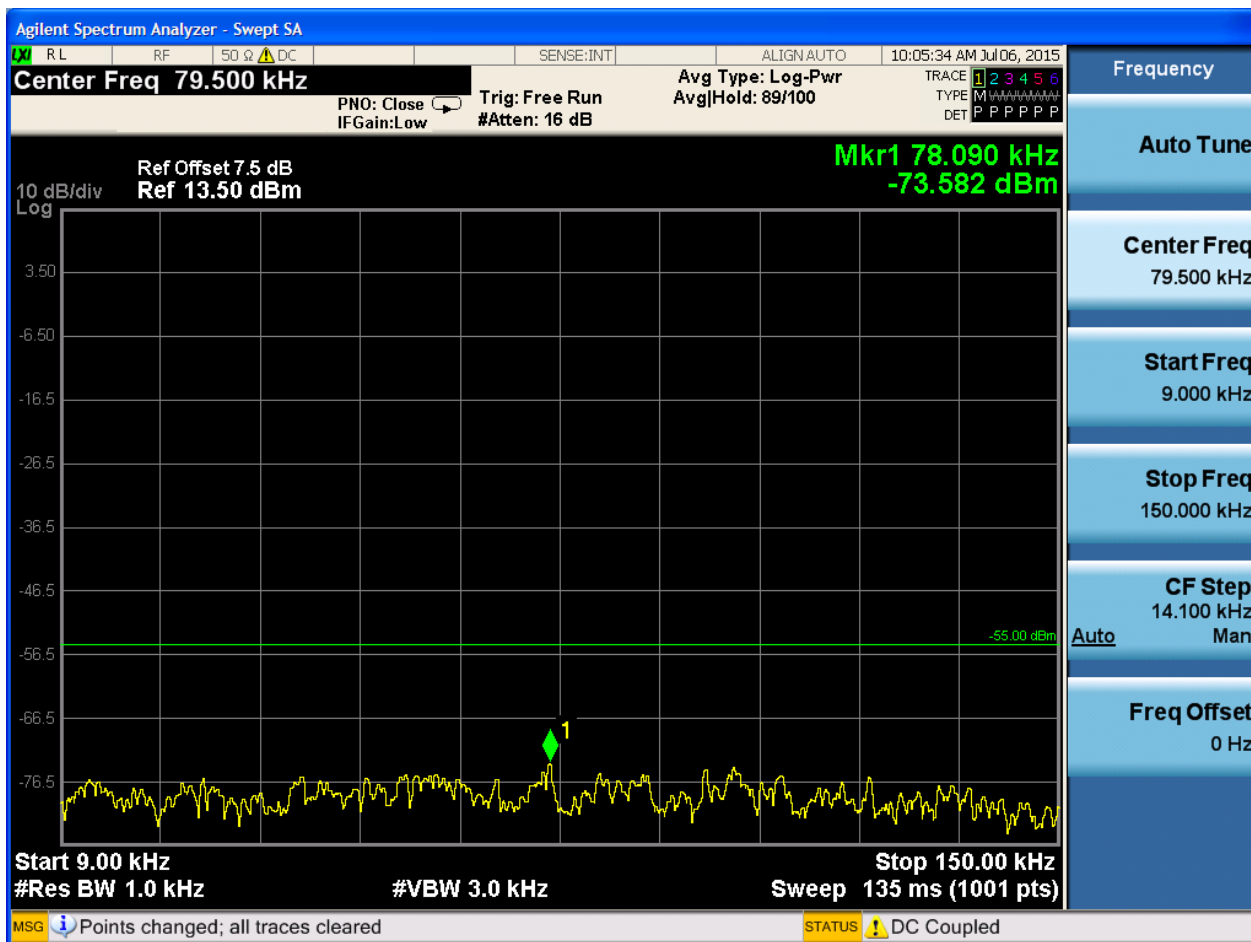




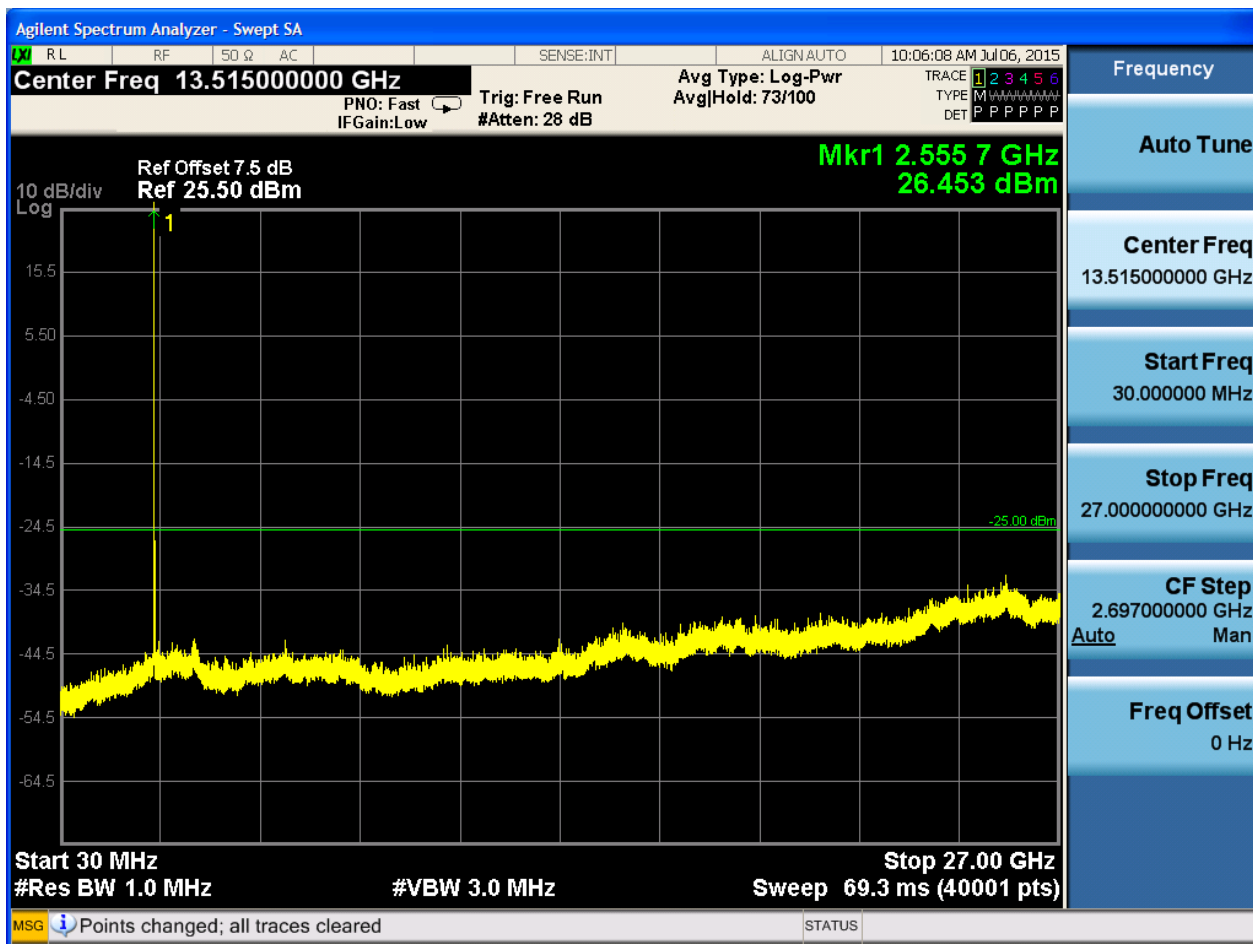


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



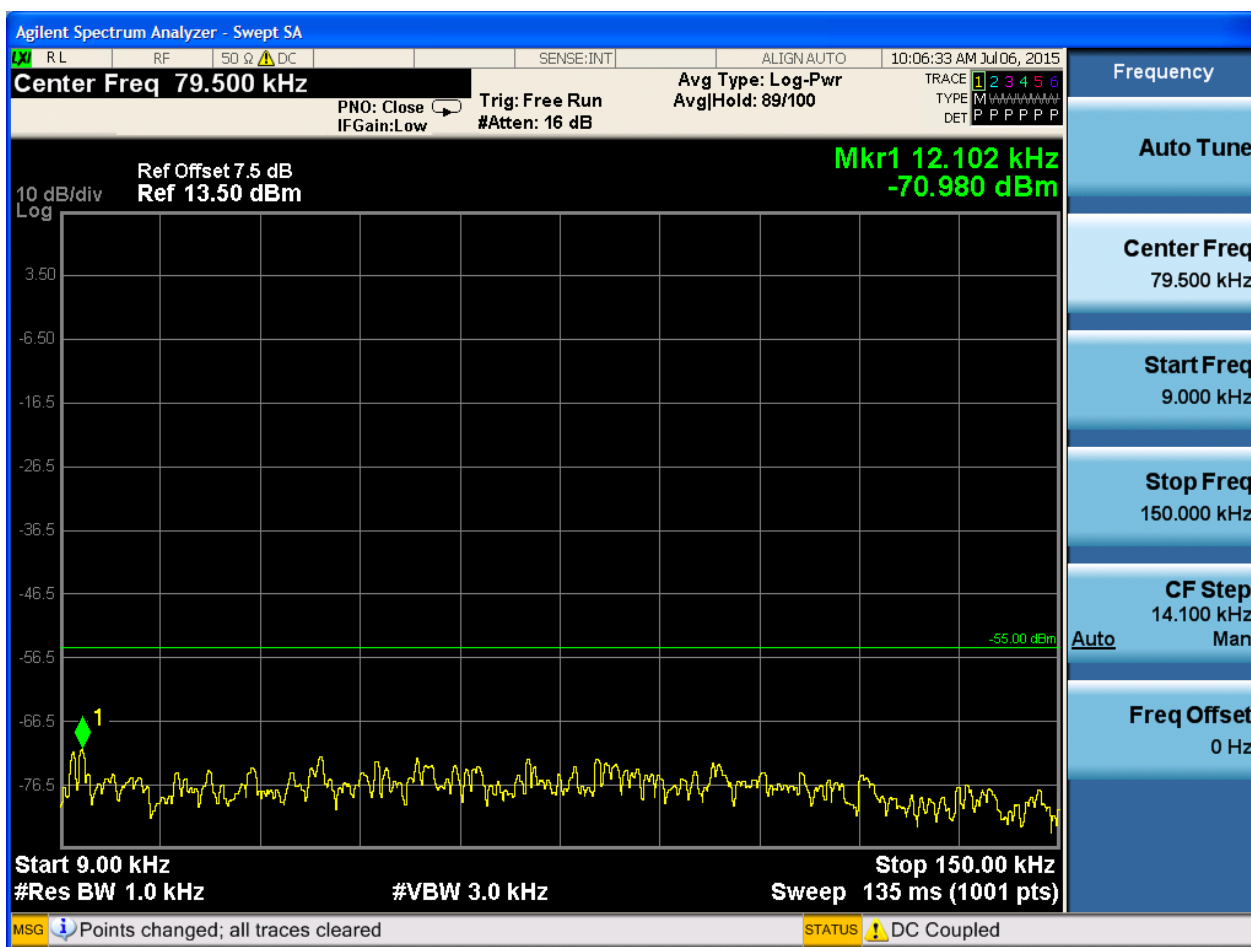




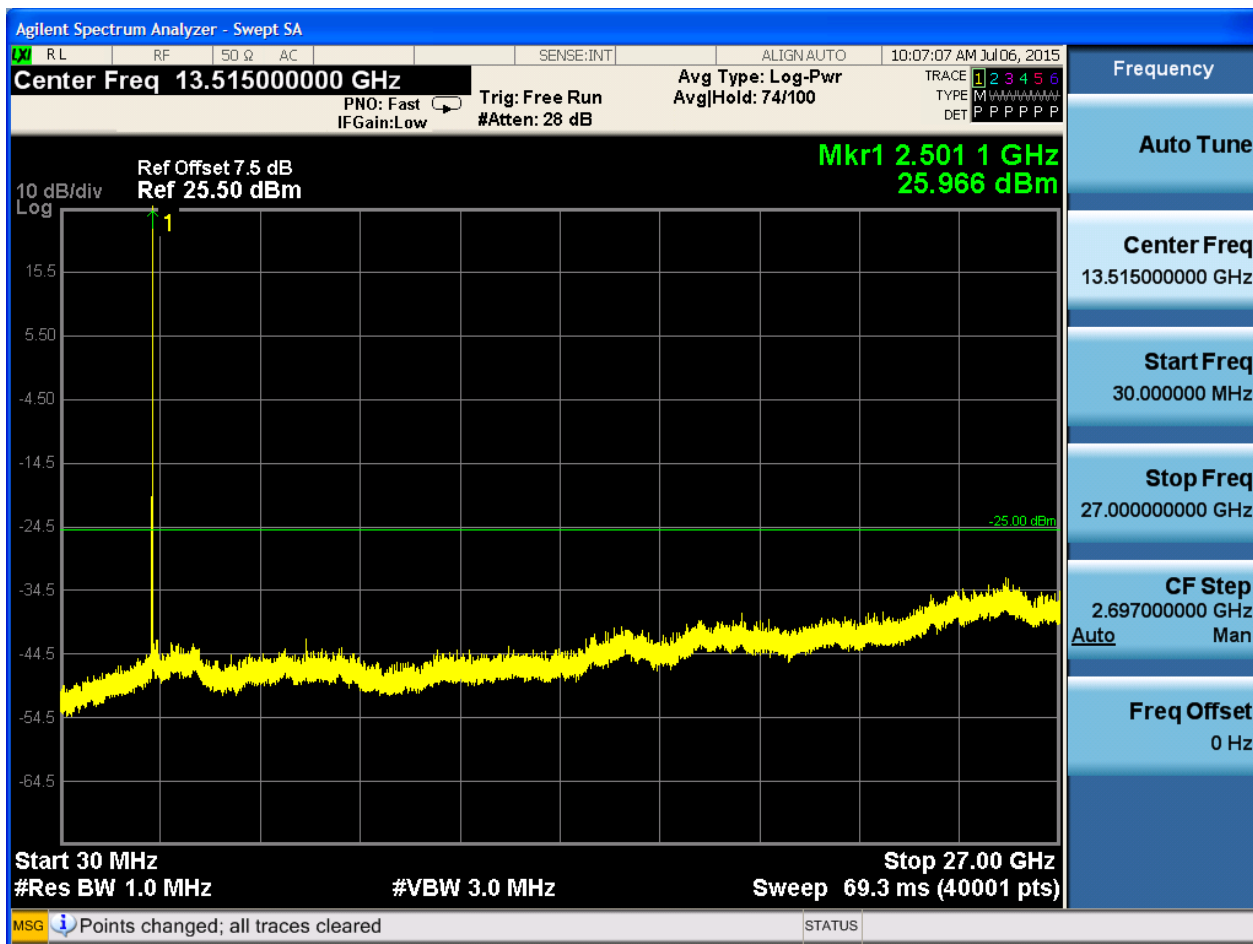
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

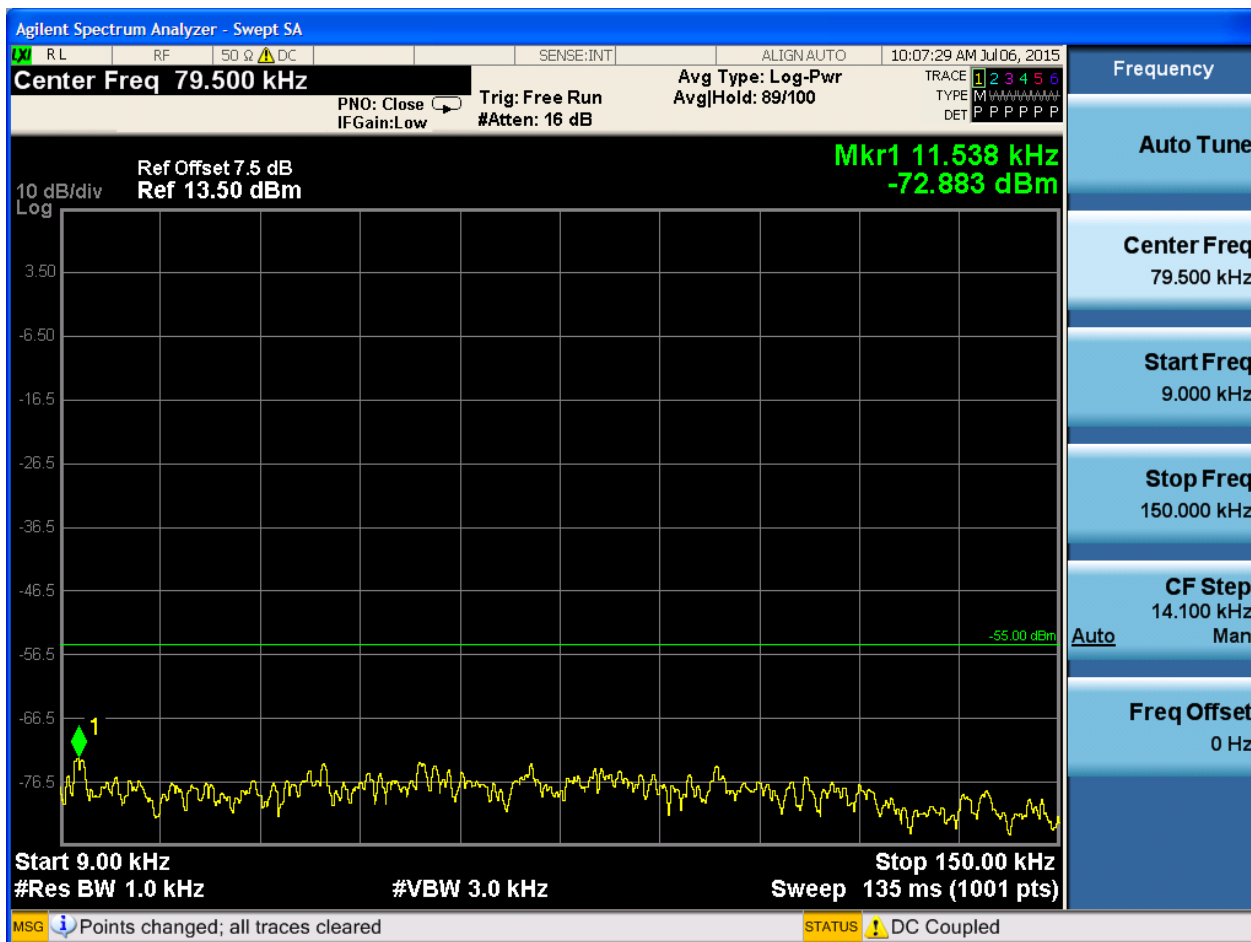


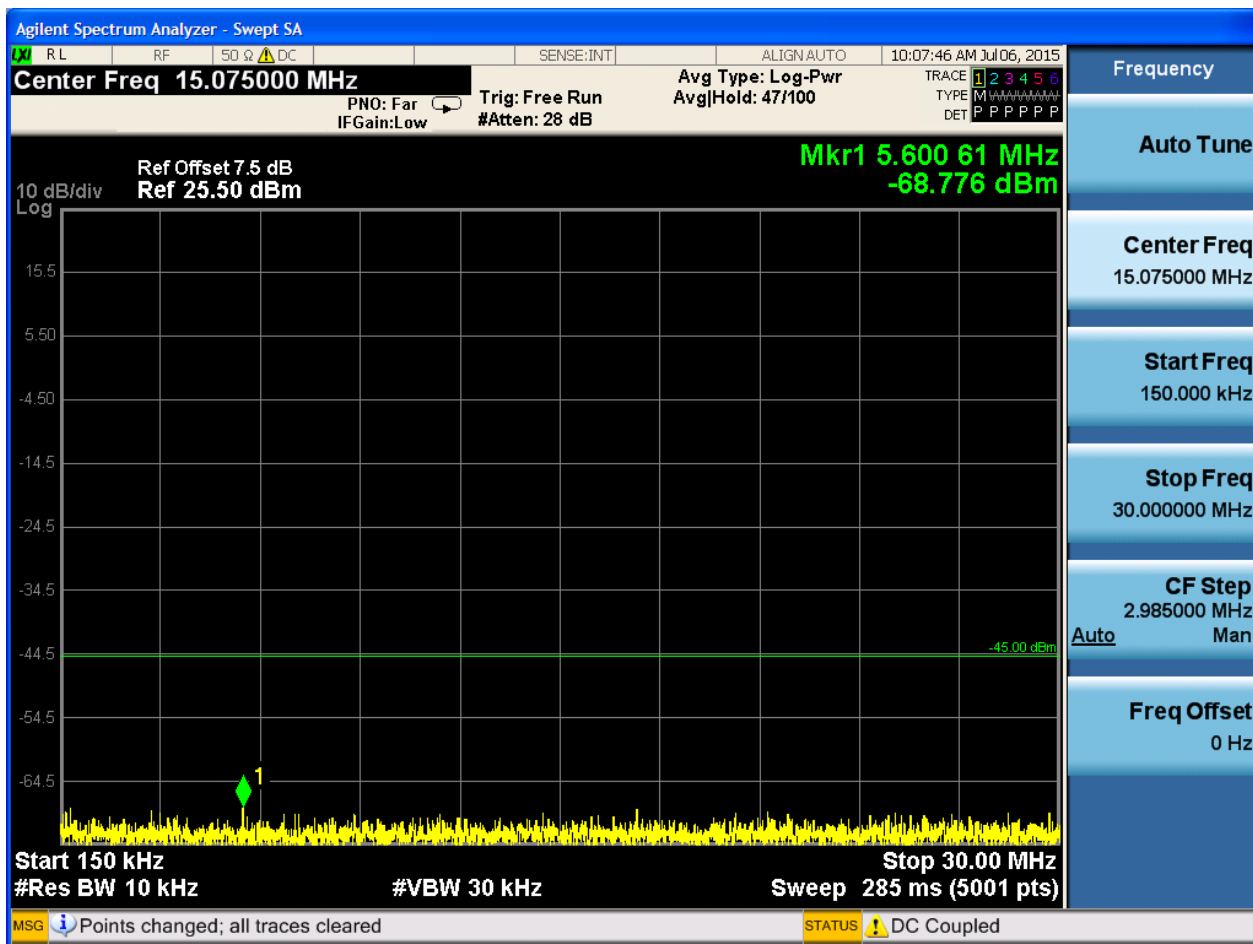


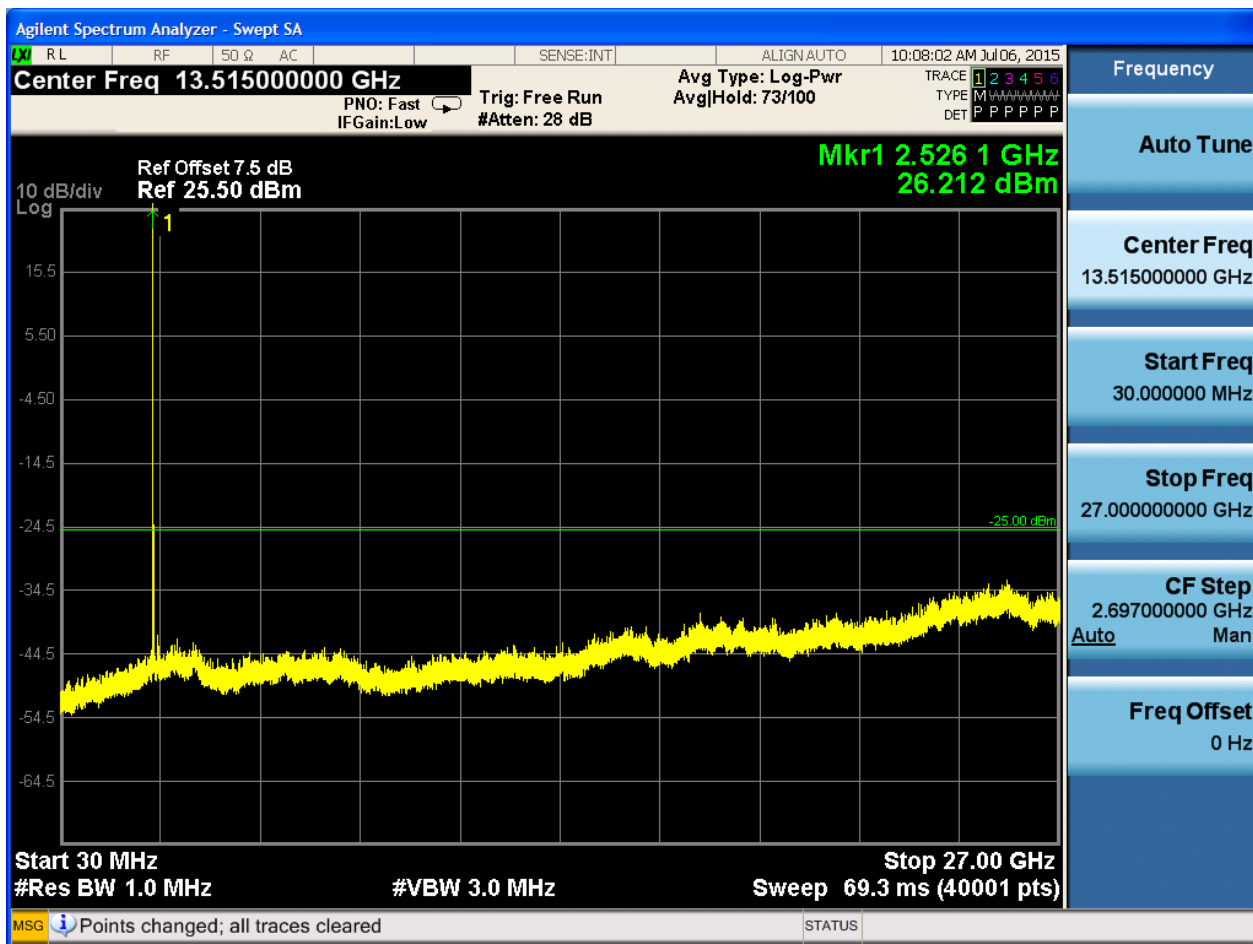


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

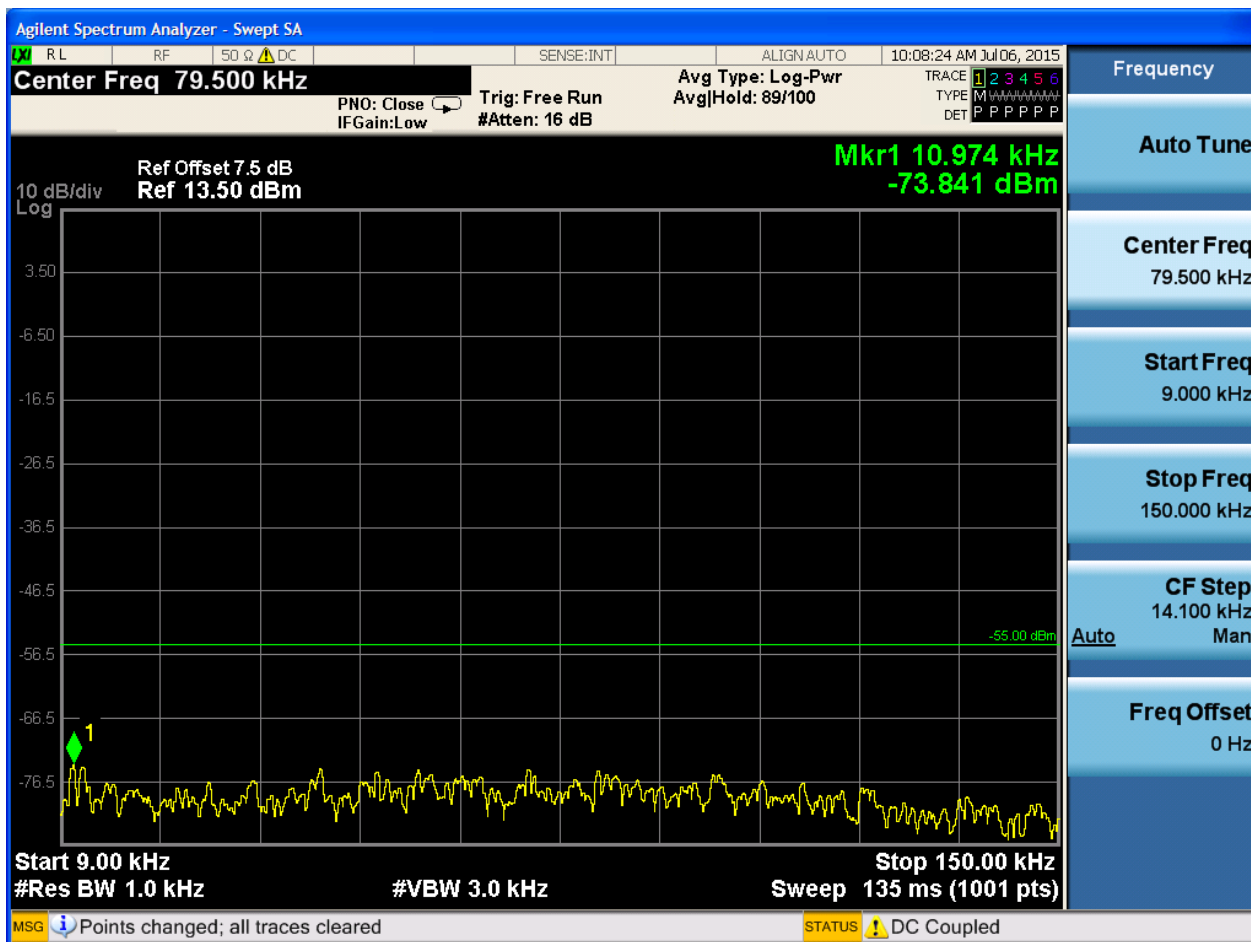


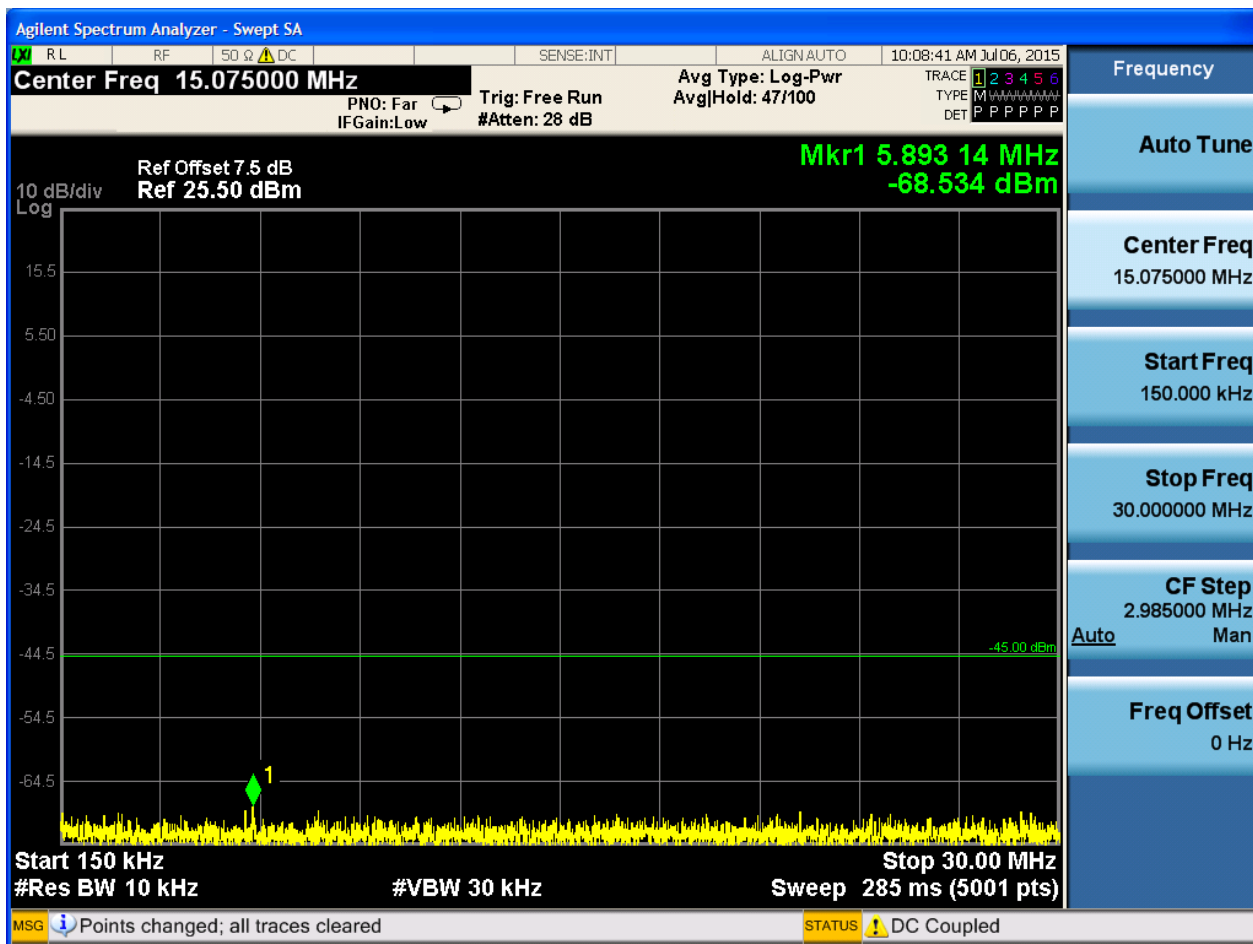


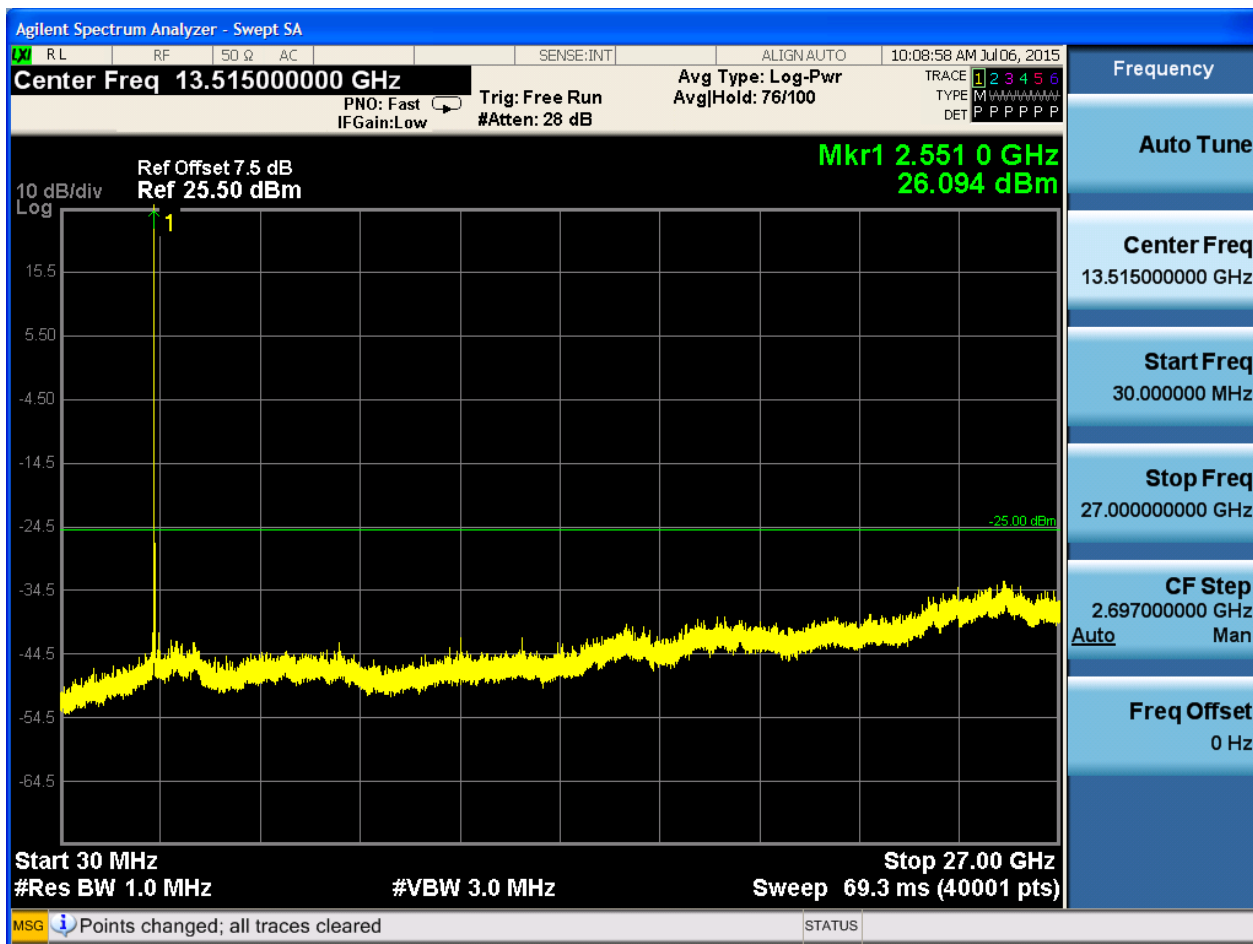


6.1.1.2.4.3 Test Channel = HCH

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”

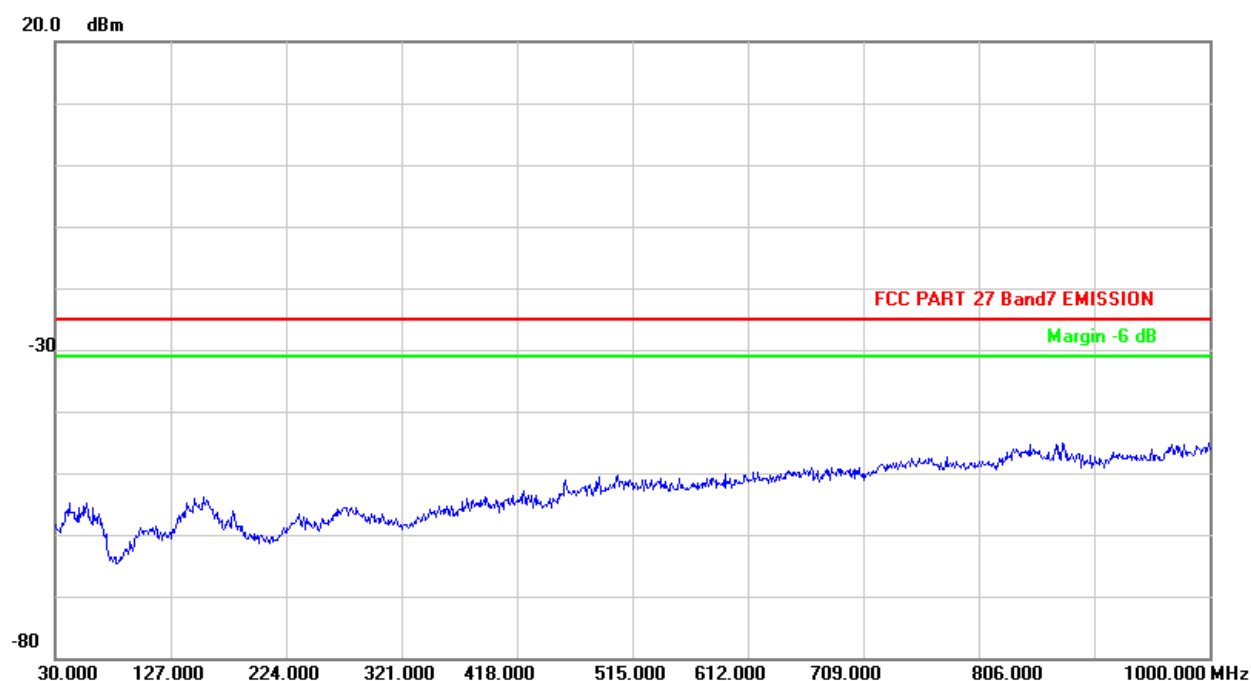
NOTE2: We tested all modes, but the data presented below is the worst case.

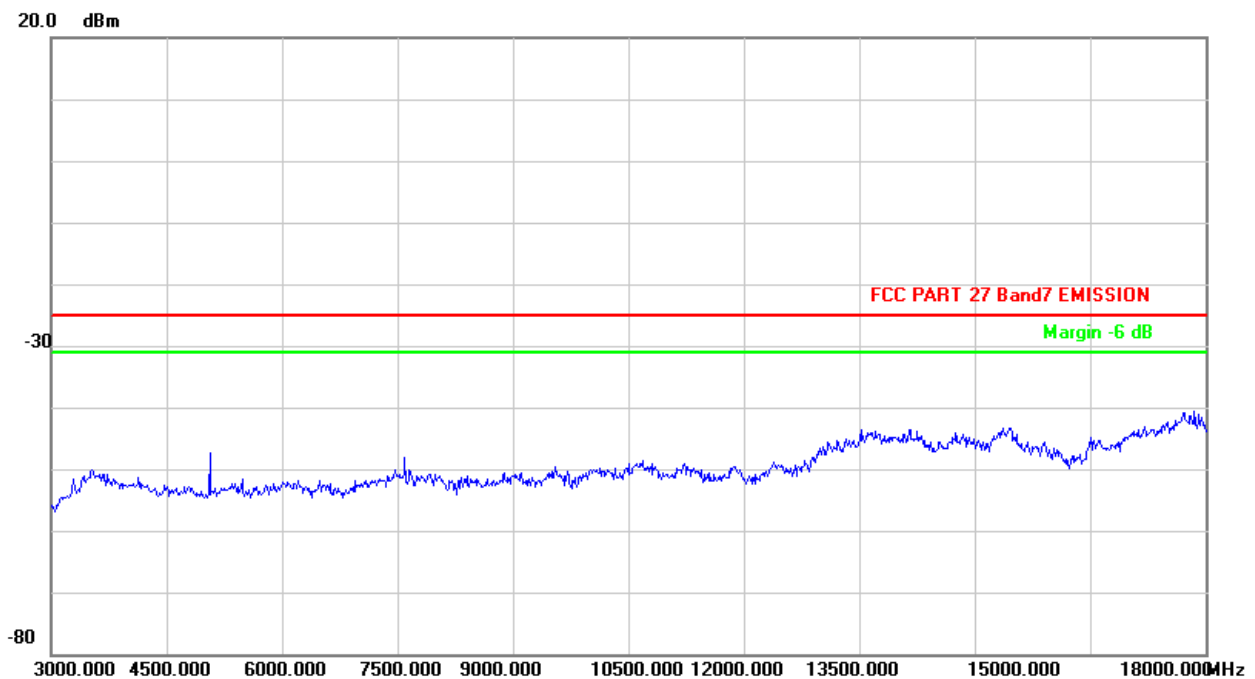
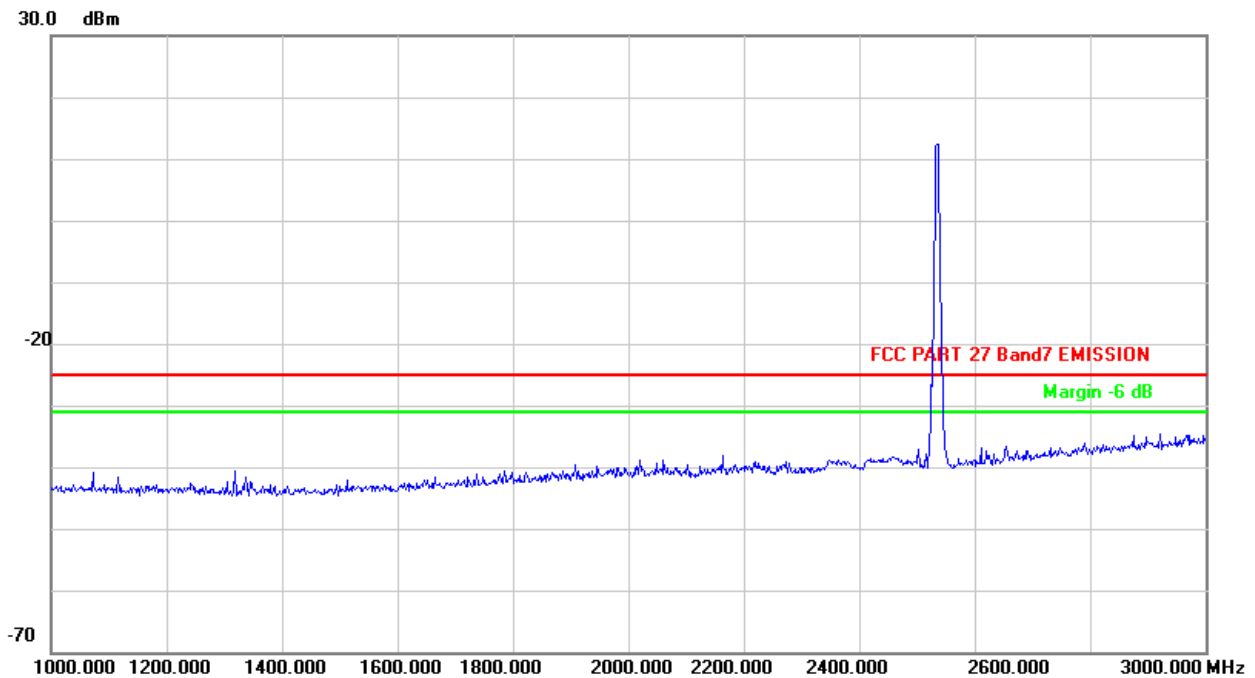
Part I - Test Plots

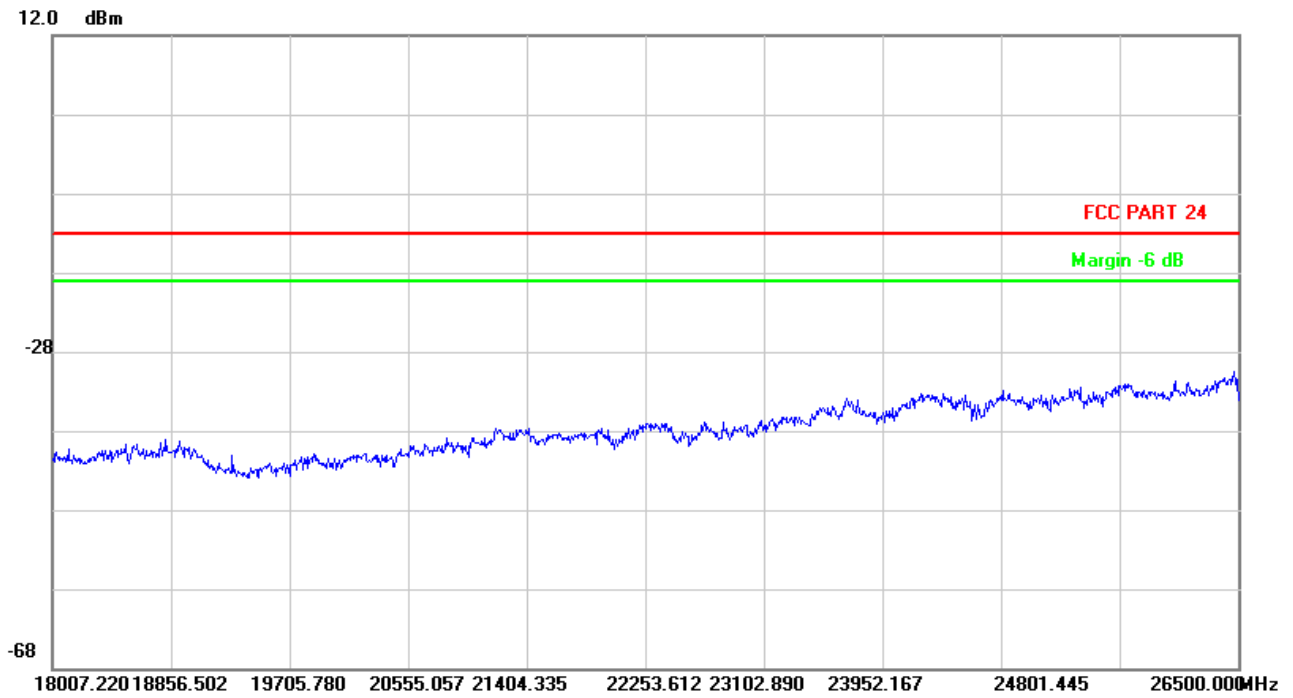
7.1 For LTE

7.1.1 Test Band = BAND7

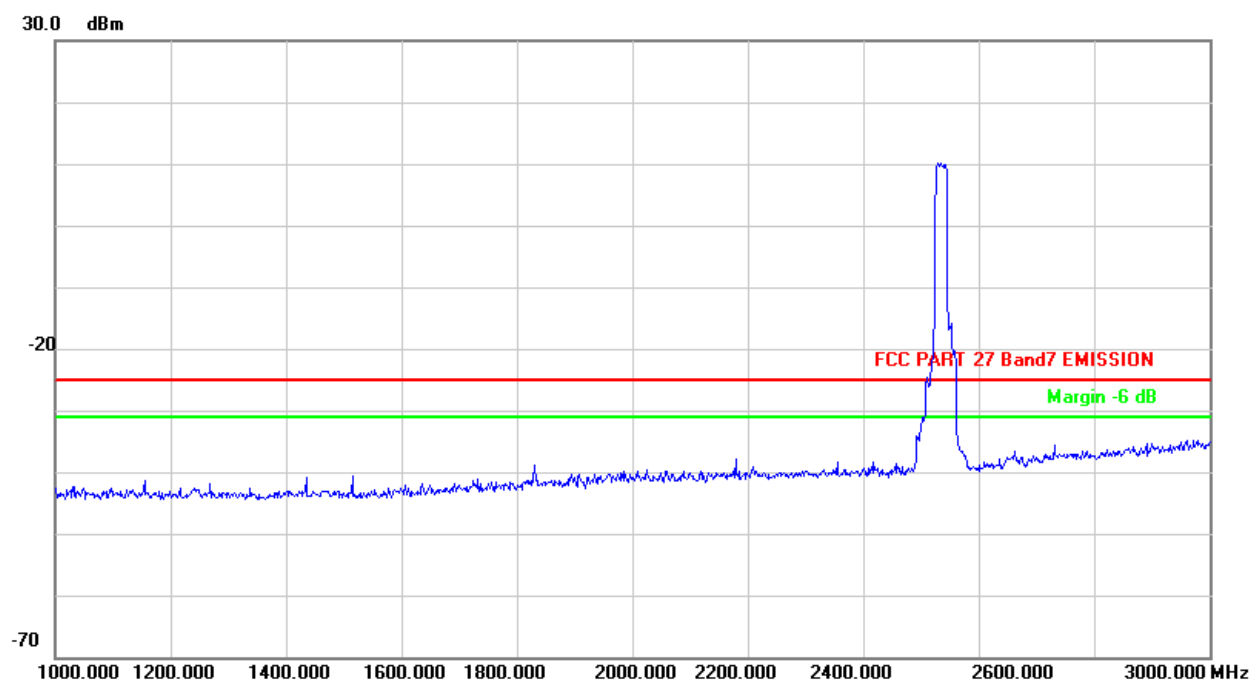
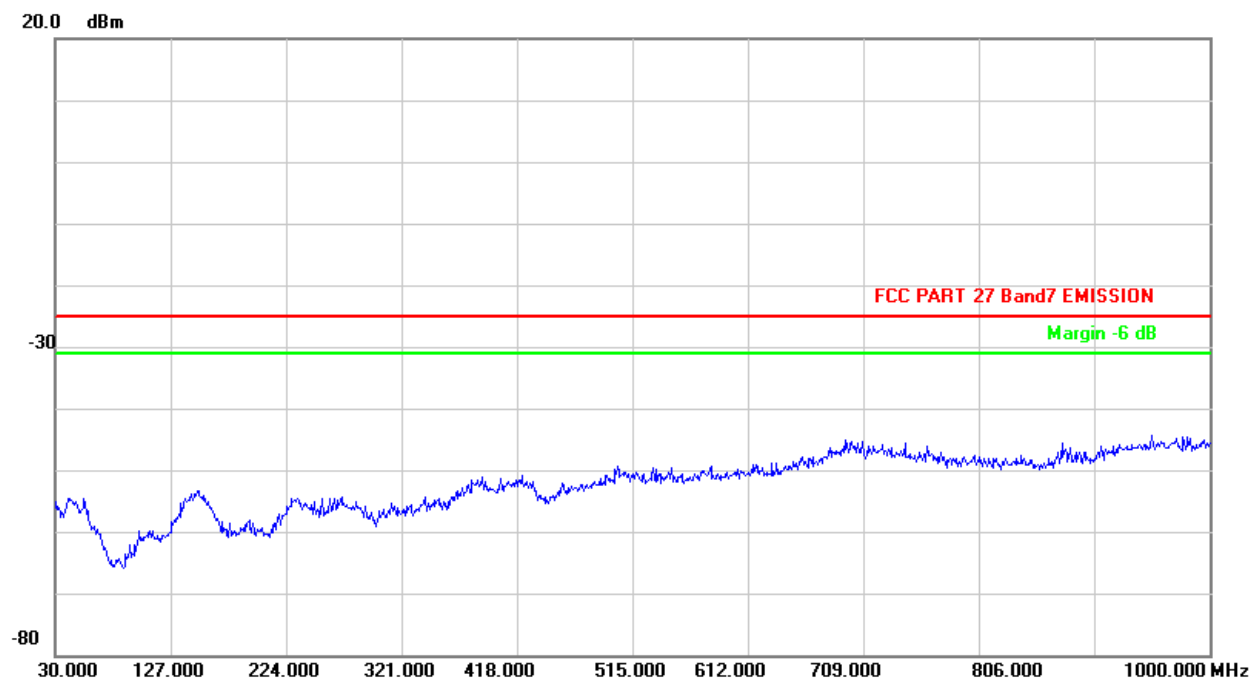
7.1.1.1 Test Bandwidth = 5



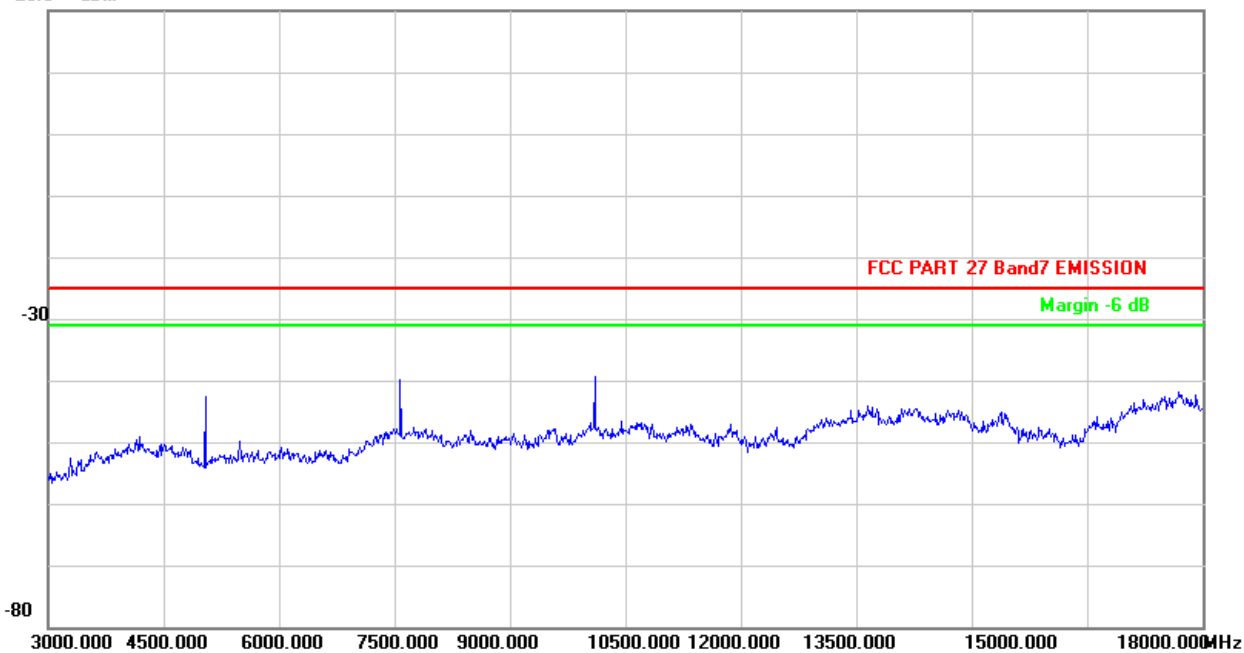




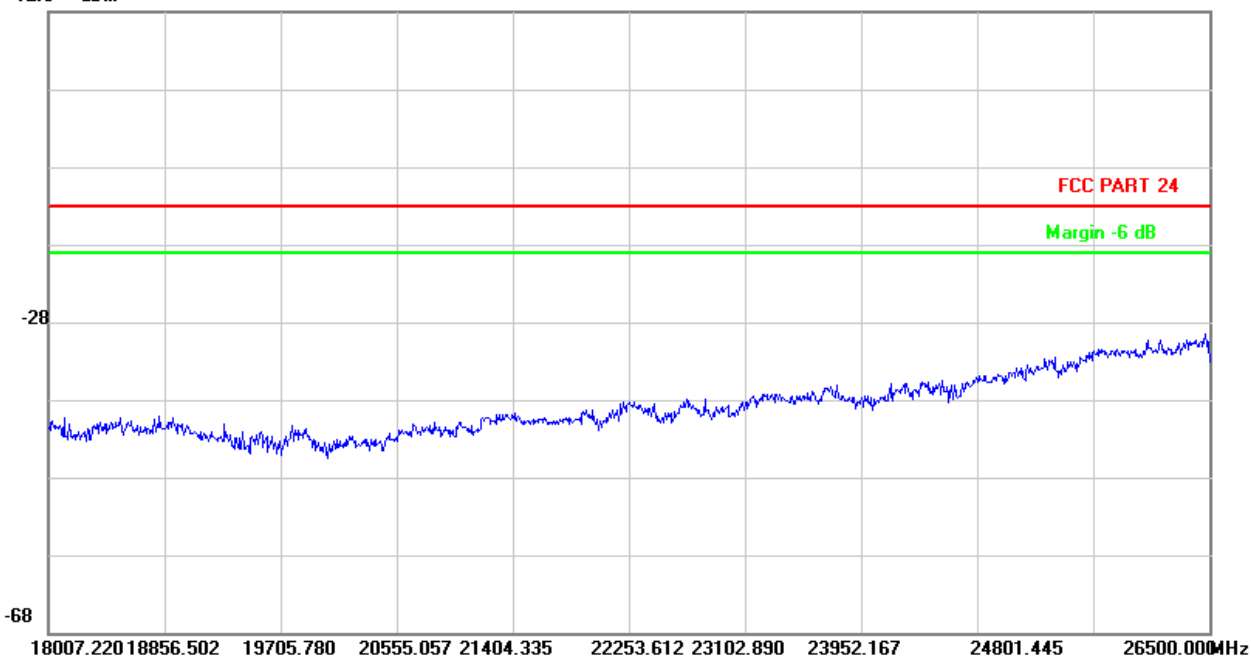
7.1.1.2 Test Bandwidth = 20



20.0 dBm



12.0 dBm





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	1.43	0.00057	PASS
					VN	1.19	0.00048	PASS
					VH	2.88	0.00115	PASS
			MCH	TN	VL	-2.23	-0.00088	PASS
					VN	-1.56	-0.00062	PASS
					VH	-2.45	-0.00097	PASS
			HCH	TN	VL	2.62	0.00102	PASS
					VN	-2	-0.00078	PASS
					VH	-1.13	-0.00044	PASS
		10	LCH	TN	VL	-3.76	-0.0015	PASS
					VN	-3.23	-0.00129	PASS
					VH	-2.76	-0.0011	PASS
			MCH	TN	VL	-3.5	-0.00138	PASS
					VN	-3.4	-0.00134	PASS
					VH	-2.66	-0.00105	PASS
			HCH	TN	VL	-2.22	-0.00087	PASS
					VN	-2.85	-0.00111	PASS
					VH	-4.23	-0.00165	PASS
		15	LCH	TN	VL	1.92	0.00077	PASS
					VN	2.19	0.00087	PASS
					VH	3.82	0.00152	PASS
			MCH	TN	VL	-2.52	-0.00099	PASS
					VN	-1.86	-0.00073	PASS
					VH	-3.58	-0.00141	PASS
			HCH	TN	VL	2.06	0.0008	PASS
					VN	1.39	0.00054	PASS
					VH	-0.03	-0.00001	PASS
		20	LCH	TN	VL	1.96	0.00078	PASS
					VN	1.53	0.00061	PASS
					VH	2.2	0.00088	PASS
			MCH	TN	VL	-5.62	-0.00222	PASS
					VN	-3.55	-0.0014	PASS
					VH	-3.3	-0.0013	PASS
			HCH	TN	VL	-0.67	-0.00026	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					VN	0.43	0.00017	PASS		
					VH	2.27	0.00089	PASS		
	LTE/TM2	5	LCH	TN	VL	1.2	0.00048	PASS		
					VN	0.87	0.00035	PASS		
					VH	2.13	0.00085	PASS		
					VL	-2.92	-0.00115	PASS		
			MCH	TN	VN	-3.08	-0.00121	PASS		
					VH	-3.95	-0.00156	PASS		
					HCH	TN	VL	0.13	0.00005	PASS
							VN	2.92	0.00114	PASS
			VH	0.92			0.00036	PASS		
			10	LCH			TN	VL	-4.06	-0.00162
					VN	-3.88		-0.00155	PASS	
					VH	-3.85		-0.00154	PASS	
		VL			-4.48	-0.00177		PASS		
		MCH		TN	VN	-3.6	-0.00142	PASS		
					VH	-5.12	-0.00202	PASS		
					HCH	TN	VL	-3.93	-0.00153	PASS
							VN	-5.35	-0.00209	PASS
		VH		-5.76			-0.00225	PASS		
		15		LCH			TN	VL	1.43	0.00057
					VN	1.22		0.00049	PASS	
					VH	2.12		0.00085	PASS	
			VL		-1.67	-0.00066		PASS		
			MCH	TN	VN	-4.28	-0.00169	PASS		
					VH	-3.68	-0.00145	PASS		
					HCH	TN	VL	0.2	0.00008	PASS
							VN	0.56	0.00022	PASS
			VH	-0.76			-0.00003	PASS		
			20	LCH			TN	VL	1.97	0.00078
	VN				3.33	0.00133		PASS		
	VH				2.39	0.00095		PASS		
	VL	-1.3			-0.00051	PASS				
	MCH	TN		VN	-2.36	-0.00093	PASS			
				VH	-3.2	-0.00126	PASS			
				HCH	TN	VL	-1.46	-0.00057	PASS	
						VN	0.53	0.00021	PASS	
	VH	0.24				0.00009	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
BAND7	LTE/TM1	5	LCH	VN	-30	-0.17	-0.00007	PASS
					-20	-0.41	-0.00016	PASS
					-10	1.12	0.00045	PASS
					0	3.98	0.00159	PASS
					10	2.53	0.00101	PASS
					20	0.17	0.00007	PASS
					30	1.93	0.00077	PASS
					40	2.98	0.00119	PASS
					50	0.69	0.00028	PASS
			MCH	VN	-30	-3.55	-0.0014	PASS
					-20	-2.57	-0.00101	PASS
					-10	-4.02	-0.00159	PASS
					0	-2.53	-0.001	PASS
					10	-4.95	-0.00195	PASS
					20	-4.01	-0.00158	PASS
					30	-4.76	-0.00188	PASS
					40	-5.49	-0.00217	PASS
					50	-3.09	-0.00122	PASS
			HCH	VN	-30	0.96	0.00037	PASS
					-20	-0.09	-0.00004	PASS
					-10	0.72	0.00028	PASS
					0	1.43	0.00056	PASS
					10	0.86	0.00033	PASS
					20	1.43	0.00056	PASS
					30	1.04	0.00041	PASS
					40	1.46	0.00057	PASS
					50	0.83	0.00032	PASS
		10	LCH	VN	-30	-3.28	-0.00131	PASS
					-20	-1.72	-0.00069	PASS
					-10	-3.32	-0.00133	PASS
					0	-1.69	-0.00067	PASS
					10	-2.8	-0.00112	PASS
					20	-3.49	-0.00139	PASS
					30	-2.33	-0.00093	PASS
					40	-1.12	-0.00045	PASS
					50	-2.12	-0.00085	PASS
			MCH	VN	-30	-1.83	-0.00072	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-3	-0.00118	PASS
					-10	-2.73	-0.00108	PASS
					0	-4.56	-0.0018	PASS
					10	-2.69	-0.00106	PASS
					20	-3.86	-0.00152	PASS
					30	-2.47	-0.00097	PASS
					40	-2.26	-0.00089	PASS
					50	-2.17	-0.00086	PASS
			HCH	VN	-30	-1.65	-0.00064	PASS
					-20	-4.08	-0.00159	PASS
					-10	-3.86	-0.0015	PASS
					0	-4.84	-0.00189	PASS
					10	-2.96	-0.00115	PASS
					20	-2	-0.00078	PASS
					30	-5.25	-0.00205	PASS
					40	-5.16	-0.00201	PASS
					50	-4.99	-0.00195	PASS
		15	LCH	VN	-30	1.07	0.00043	PASS
					-20	0.92	0.00037	PASS
					-10	1.06	0.00042	PASS
					0	0.57	0.00023	PASS
					10	0.37	0.00015	PASS
					20	2.35	0.00094	PASS
					30	0.84	0.00033	PASS
					40	1.97	0.00079	PASS
					50	1.27	0.00051	PASS
			MCH	VN	-30	-2.88	-0.00114	PASS
					-20	-2.45	-0.00097	PASS
					-10	-2.75	-0.00108	PASS
					0	-4.52	-0.00178	PASS
					10	-4.66	-0.00184	PASS
					20	-4.09	-0.00161	PASS
					30	-4.68	-0.00185	PASS
					40	-1.65	-0.00065	PASS
					50	-2.65	-0.00105	PASS
			HCH	VN	-30	1.37	0.00053	PASS
					-20	1.53	0.0006	PASS
					-10	1.73	0.00068	PASS
					0	0.93	0.00036	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.65	0.00103	PASS
					20	5.04	0.00197	PASS
					30	1.97	0.00077	PASS
					40	1.72	0.00067	PASS
					50	2.6	0.00101	PASS
			LCH	VN	-30	-0.49	-0.0002	PASS
					-20	3.68	0.00147	PASS
					-10	1.37	0.00055	PASS
					0	0.83	0.00033	PASS
					10	2.73	0.00109	PASS
					20	1.52	0.00061	PASS
					30	0.44	0.00018	PASS
					40	1.83	0.00073	PASS
					50	1.43	0.00057	PASS
			MCH	VN	-30	-4.69	-0.00185	PASS
					-20	-4.21	-0.00166	PASS
					-10	-3.2	-0.00126	PASS
					0	-2.78	-0.0011	PASS
					10	-4.15	-0.00164	PASS
					20	-4.25	-0.00168	PASS
					30	-3.68	-0.00145	PASS
					40	-3.66	-0.00144	PASS
					50	-3.2	-0.00126	PASS
			HCH	VN	-30	-0.99	-0.00039	PASS
					-20	-1.04	-0.00041	PASS
					-10	-0.4	-0.00016	PASS
					0	2.72	0.00106	PASS
					10	-0.09	-0.00004	PASS
					20	-1.44	-0.00056	PASS
					30	-0.26	-0.0001	PASS
					40	-0.19	-0.00007	PASS
					50	-2.19	-0.00086	PASS
	LTE/TM2	5	LCH	VN	-30	0.13	0.00005	PASS
					-20	2.85	0.00114	PASS
					-10	2.12	0.00085	PASS
					0	1.83	0.00073	PASS
					10	1.47	0.00059	PASS
					20	0.06	0.00002	PASS
					30	3.56	0.00142	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	3.23	0.00129	PASS
					50	2.59	0.00103	PASS
			MCH	VN	-30	-1.95	-0.00077	PASS
					-20	-1.3	-0.00051	PASS
					-10	-0.29	-0.00011	PASS
					0	-2.99	-0.00118	PASS
					10	-3.13	-0.00123	PASS
					20	-3.09	-0.00122	PASS
					30	-3.69	-0.00146	PASS
					40	-3.53	-0.00139	PASS
					50	-0.72	-0.00028	PASS
			HCH	VN	-30	1.52	0.00059	PASS
					-20	-0.21	-0.00008	PASS
					-10	0.46	0.00018	PASS
					0	-0.63	-0.00025	PASS
					10	1.22	0.00048	PASS
					20	0.67	0.00026	PASS
					30	0.97	0.00038	PASS
					40	1.54	0.0006	PASS
					50	-0.44	-0.00017	PASS
		10	LCH	VN	-30	-4.58	-0.00183	PASS
					-20	-1.93	-0.00077	PASS
					-10	-2.78	-0.00111	PASS
					0	-2.4	-0.00096	PASS
					10	-2.86	-0.00114	PASS
					20	-3.53	-0.00141	PASS
					30	-4.59	-0.00183	PASS
					40	-4.75	-0.0019	PASS
					50	-3.53	-0.00141	PASS
			MCH	VN	-30	-4.03	-0.00159	PASS
					-20	-3.18	-0.00125	PASS
					-10	-1.75	-0.00069	PASS
					0	-3.55	-0.0014	PASS
					10	-1.63	-0.00064	PASS
					20	-2.27	-0.0009	PASS
					30	-3.99	-0.00157	PASS
					40	-1.96	-0.00077	PASS
					50	-3.71	-0.00146	PASS
			HCH	VN	-30	-3.81	-0.00149	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-5.26	-0.00205	PASS
					-10	-3.62	-0.00141	PASS
					0	-4.65	-0.00181	PASS
					10	-3.99	-0.00156	PASS
					20	-4.53	-0.00177	PASS
					30	-4.33	-0.00169	PASS
					40	-5.54	-0.00216	PASS
					50	-4.18	-0.00163	PASS
		15	LCH	VN	-30	3.48	0.00139	PASS
					-20	4.96	0.00198	PASS
					-10	2.09	0.00083	PASS
					0	0.31	0.00012	PASS
					10	0.59	0.00024	PASS
					20	0.26	0.0001	PASS
					30	0.54	0.00022	PASS
					40	0.54	0.00022	PASS
					50	2.45	0.00098	PASS
			MCH	VN	-30	-3.86	-0.00152	PASS
					-20	-2.83	-0.00112	PASS
					-10	-3.76	-0.00148	PASS
					0	-3.76	-0.00148	PASS
					10	-4.32	-0.0017	PASS
					20	-4.68	-0.00185	PASS
					30	-3.2	-0.00126	PASS
					40	-4.82	-0.0019	PASS
					50	-3.22	-0.00127	PASS
			HCH	VN	-30	2.05	0.0008	PASS
					-20	-0.39	-0.00015	PASS
					-10	1.8	0.0007	PASS
					0	1.96	0.00076	PASS
					10	2.5	0.00098	PASS
					20	1.89	0.00074	PASS
					30	0.07	0.00003	PASS
					40	3.19	0.00124	PASS
					50	2.92	0.00114	PASS
		20	LCH	VN	-30	1.57	0.00063	PASS
					-20	3.55	0.00141	PASS
					-10	1.89	0.00075	PASS
					0	2.03	0.00081	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	2.59	0.00103	PASS
					20	3.48	0.00139	PASS
					30	3.62	0.00144	PASS
					40	2.89	0.00115	PASS
					50	1.93	0.00077	PASS
			MCH	VN	-30	-5.16	-0.00204	PASS
					-20	-2.06	-0.00081	PASS
					-10	-2.29	-0.0009	PASS
					0	-2.73	-0.00108	PASS
					10	-1.92	-0.00076	PASS
					20	-1.1	-0.00043	PASS
					30	-4.02	-0.00159	PASS
					40	-4.41	-0.00174	PASS
					50	-3.59	-0.00142	PASS
			HCH	VN	-30	1.67	0.00065	PASS
					-20	-0.96	-0.00038	PASS
					-10	-0.19	-0.00007	PASS
					0	-0.09	-0.00004	PASS
					10	1.69	0.00066	PASS
					20	0.37	0.00014	PASS
					30	0.2	0.00008	PASS
					40	0.59	0.00023	PASS
					50	-0.5	-0.0002	PASS

END