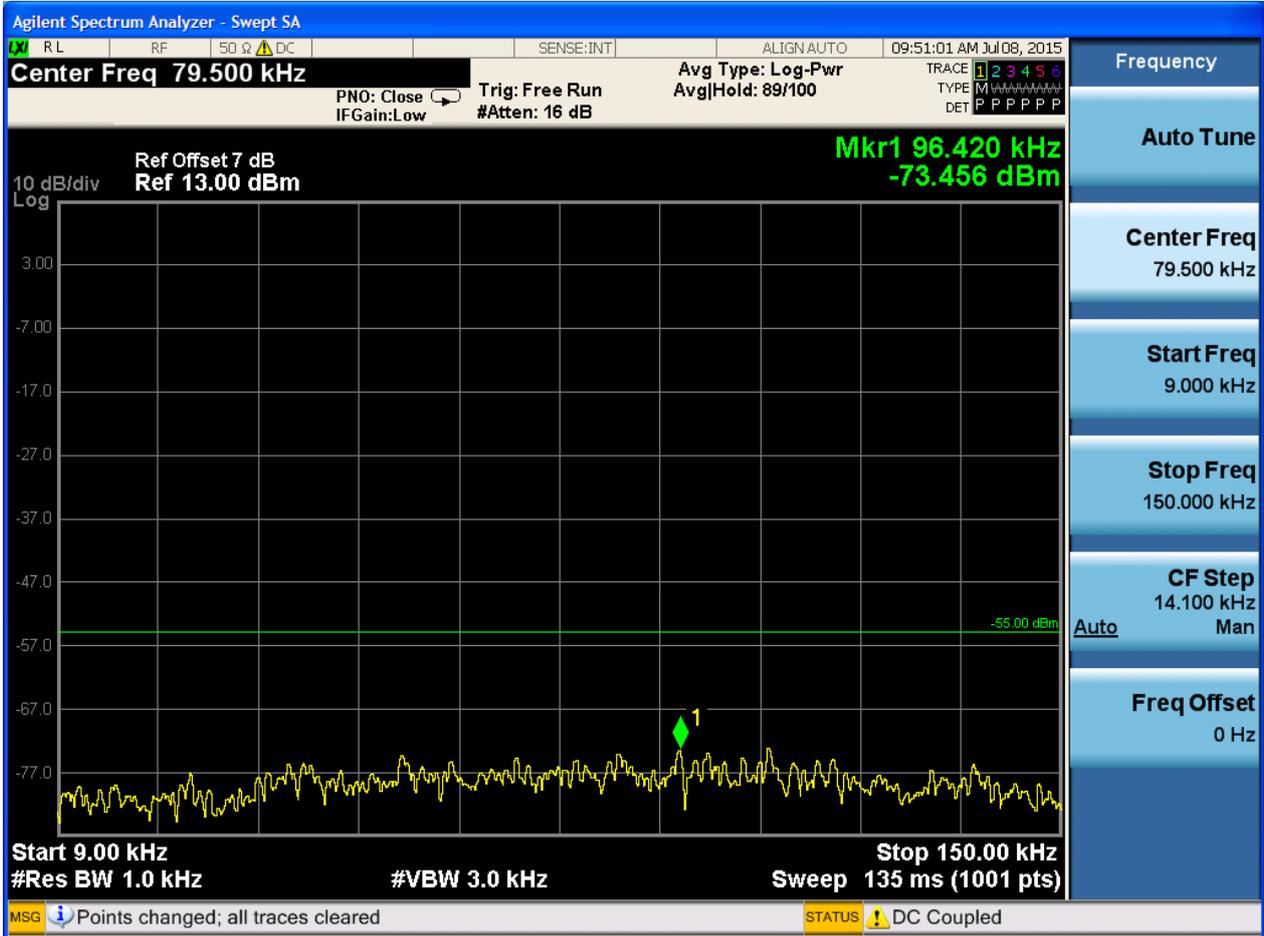


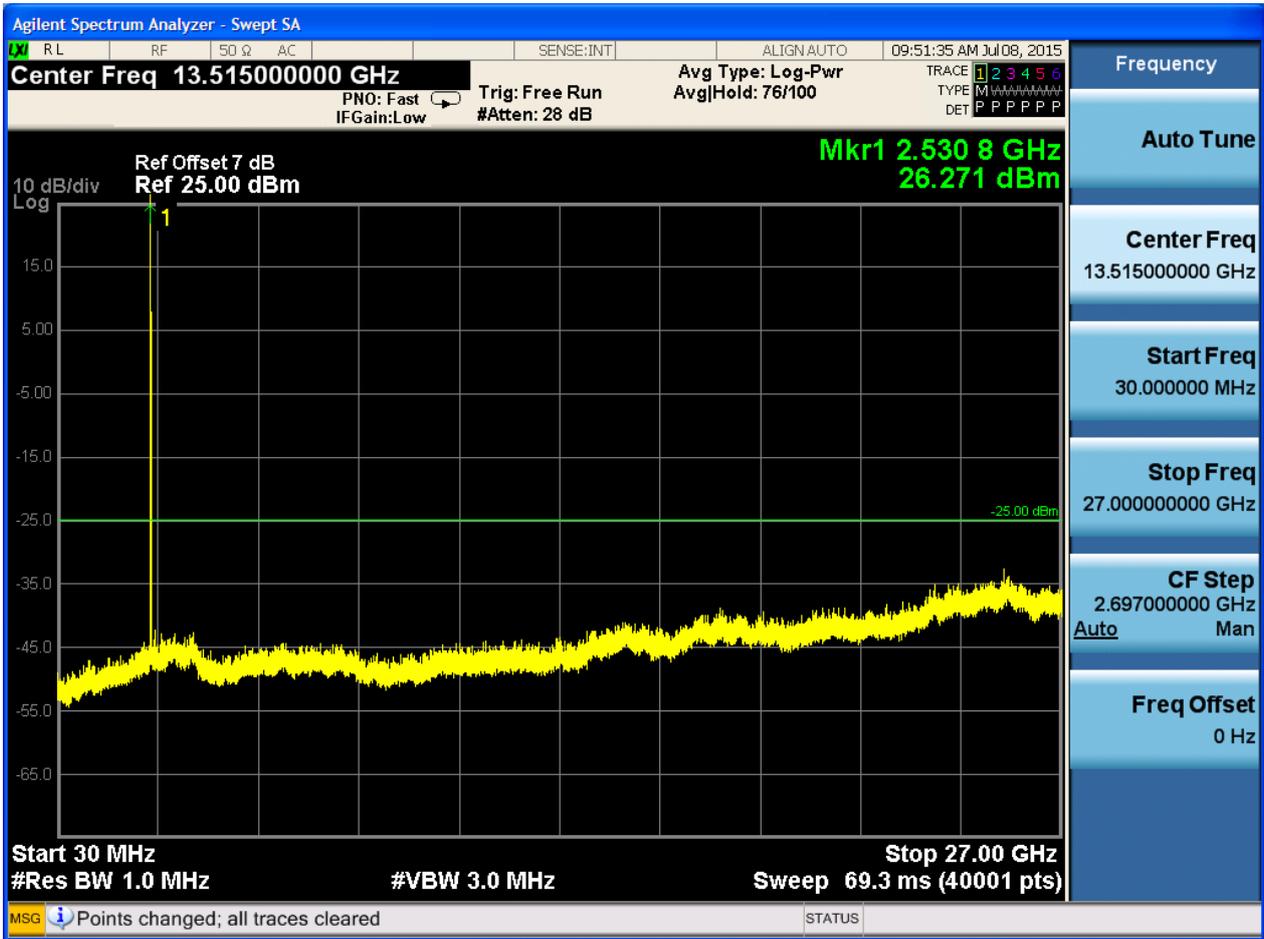


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



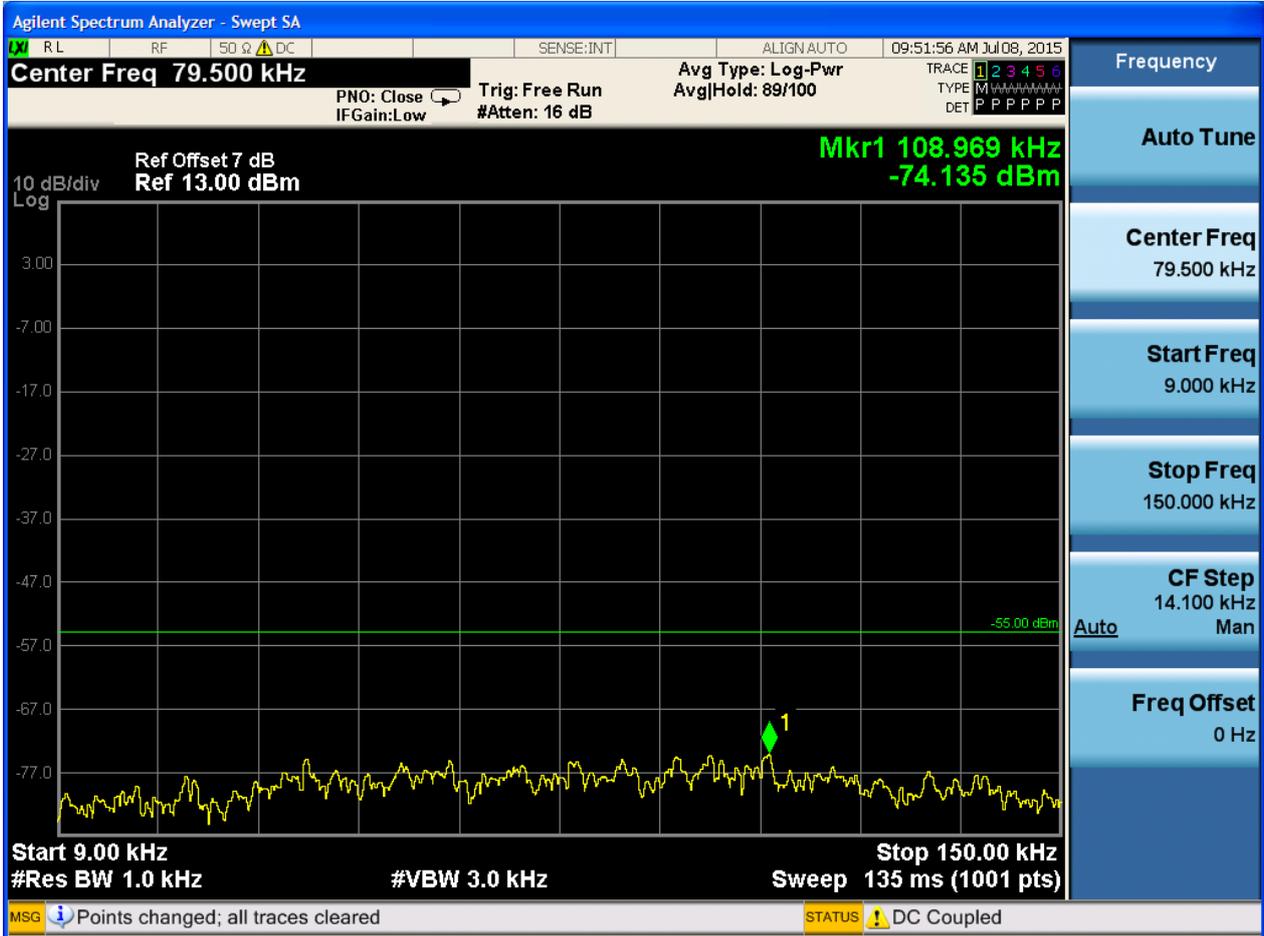






6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0









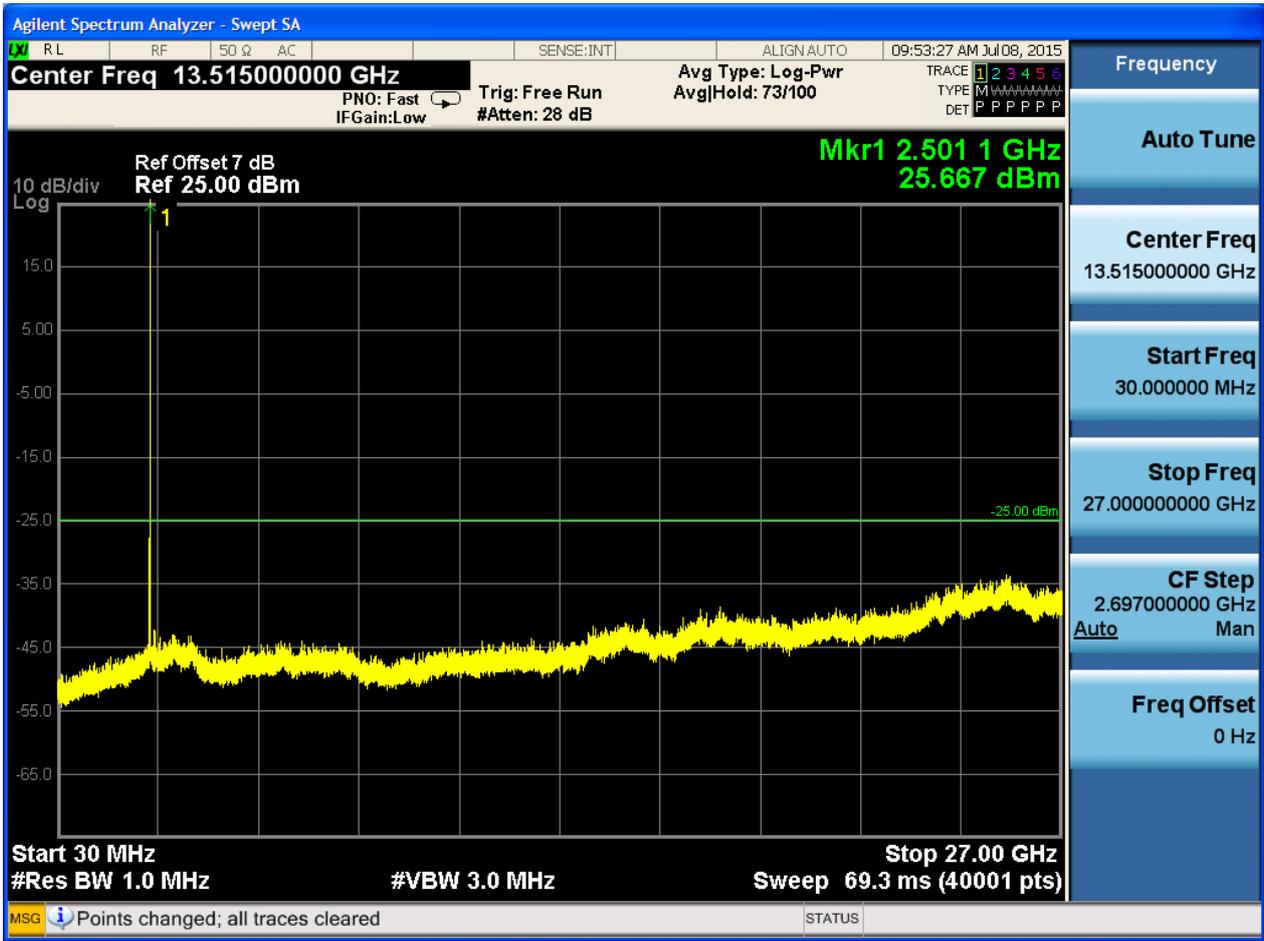
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



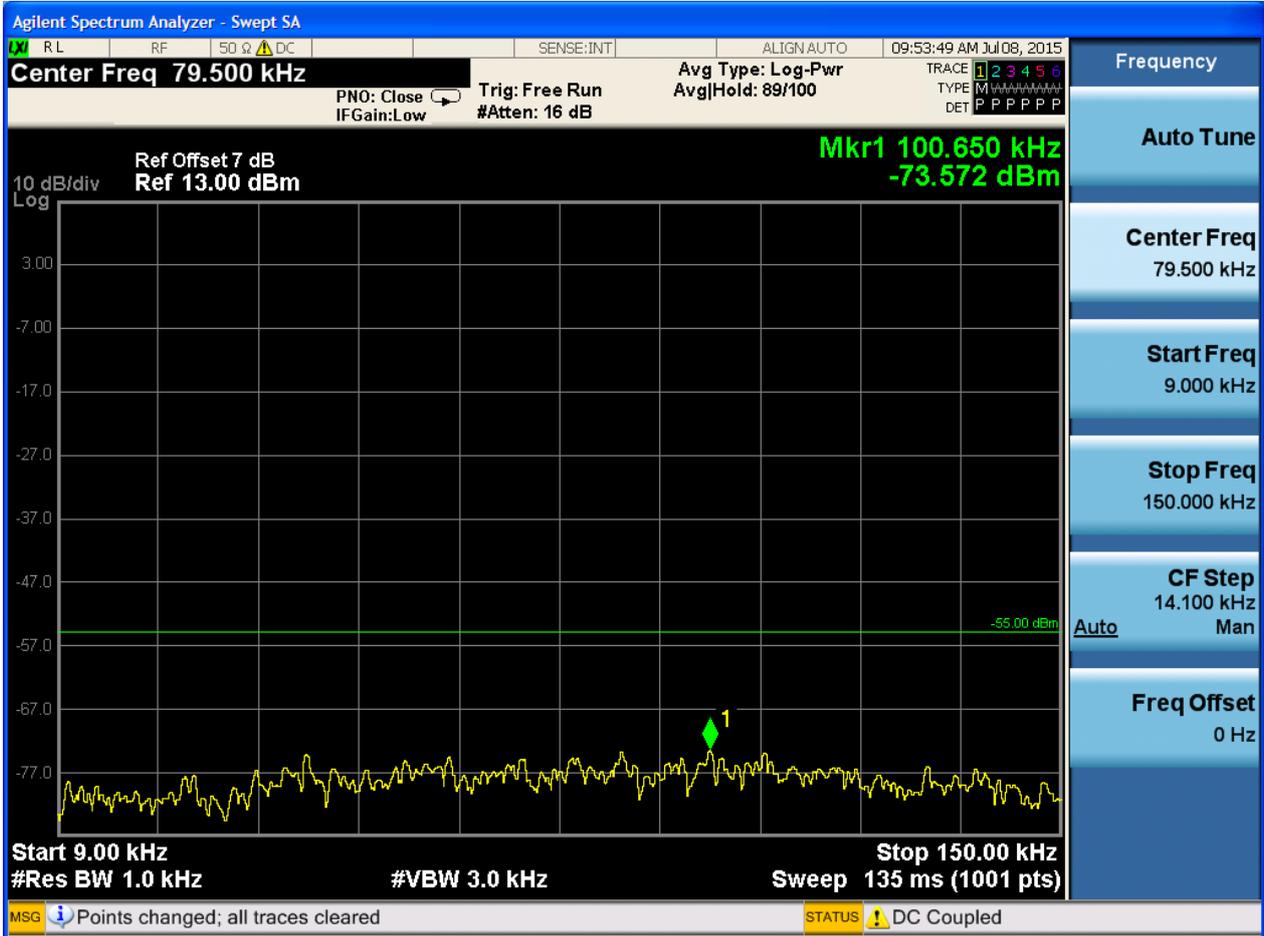




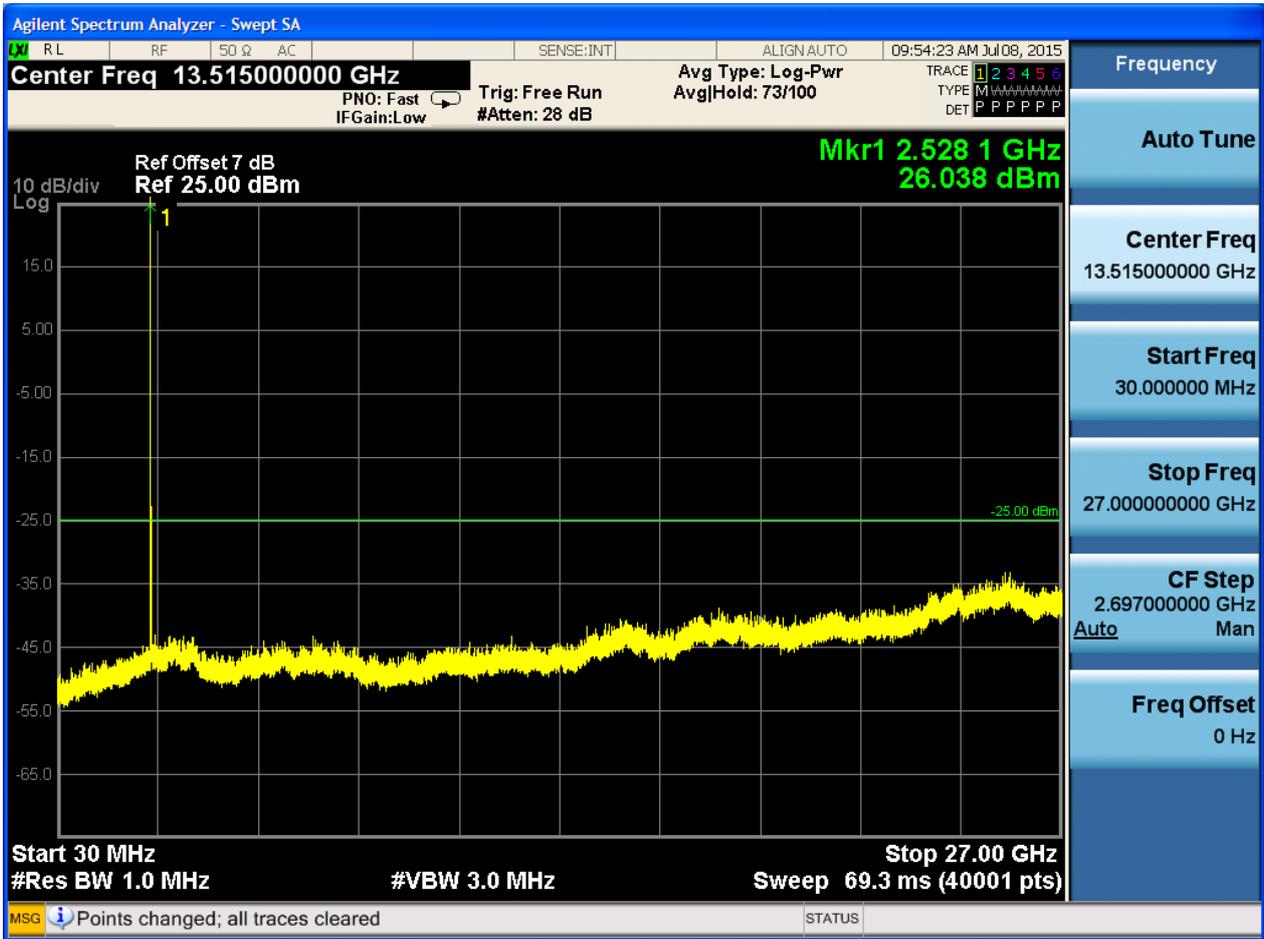


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



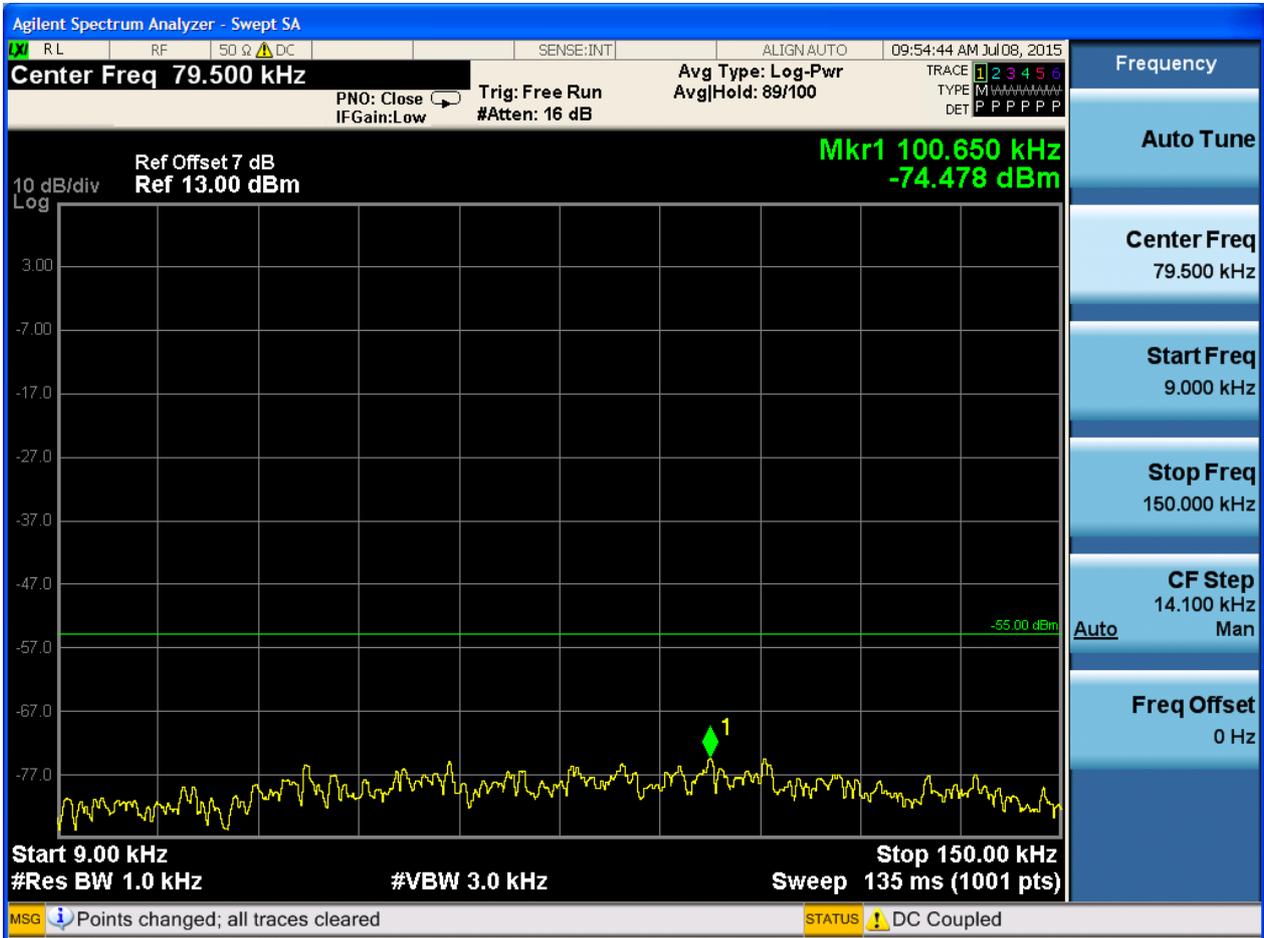


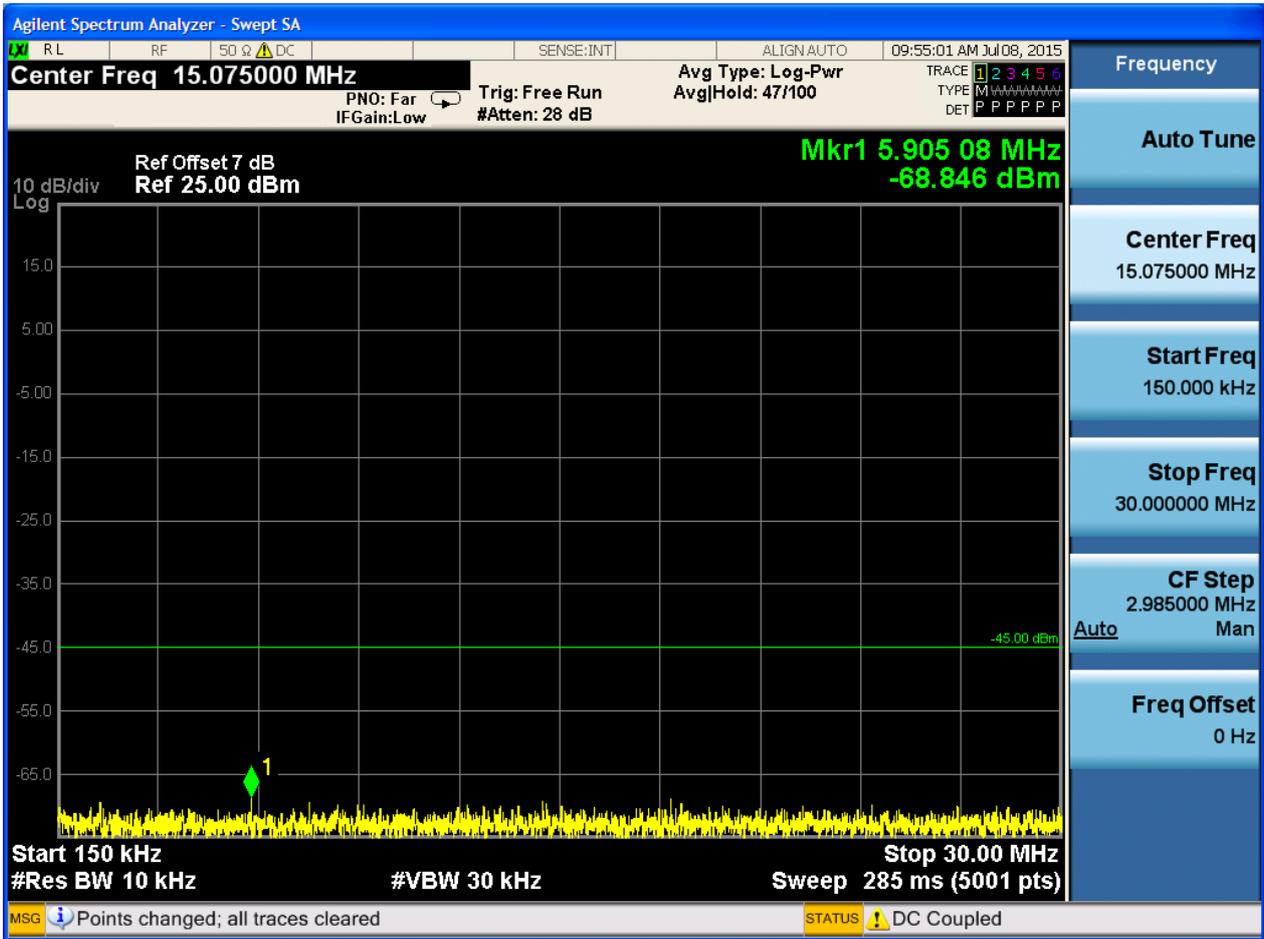


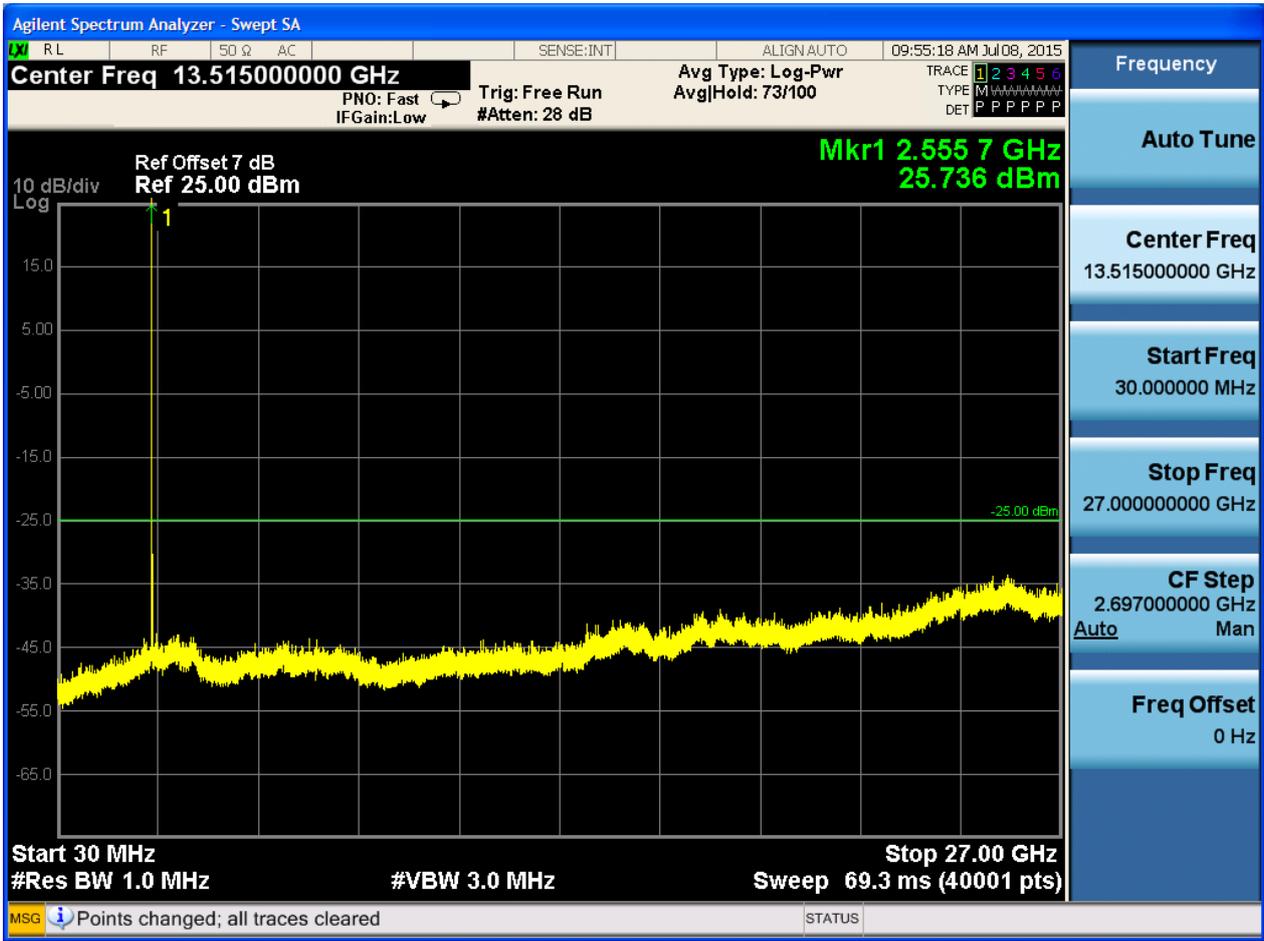


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





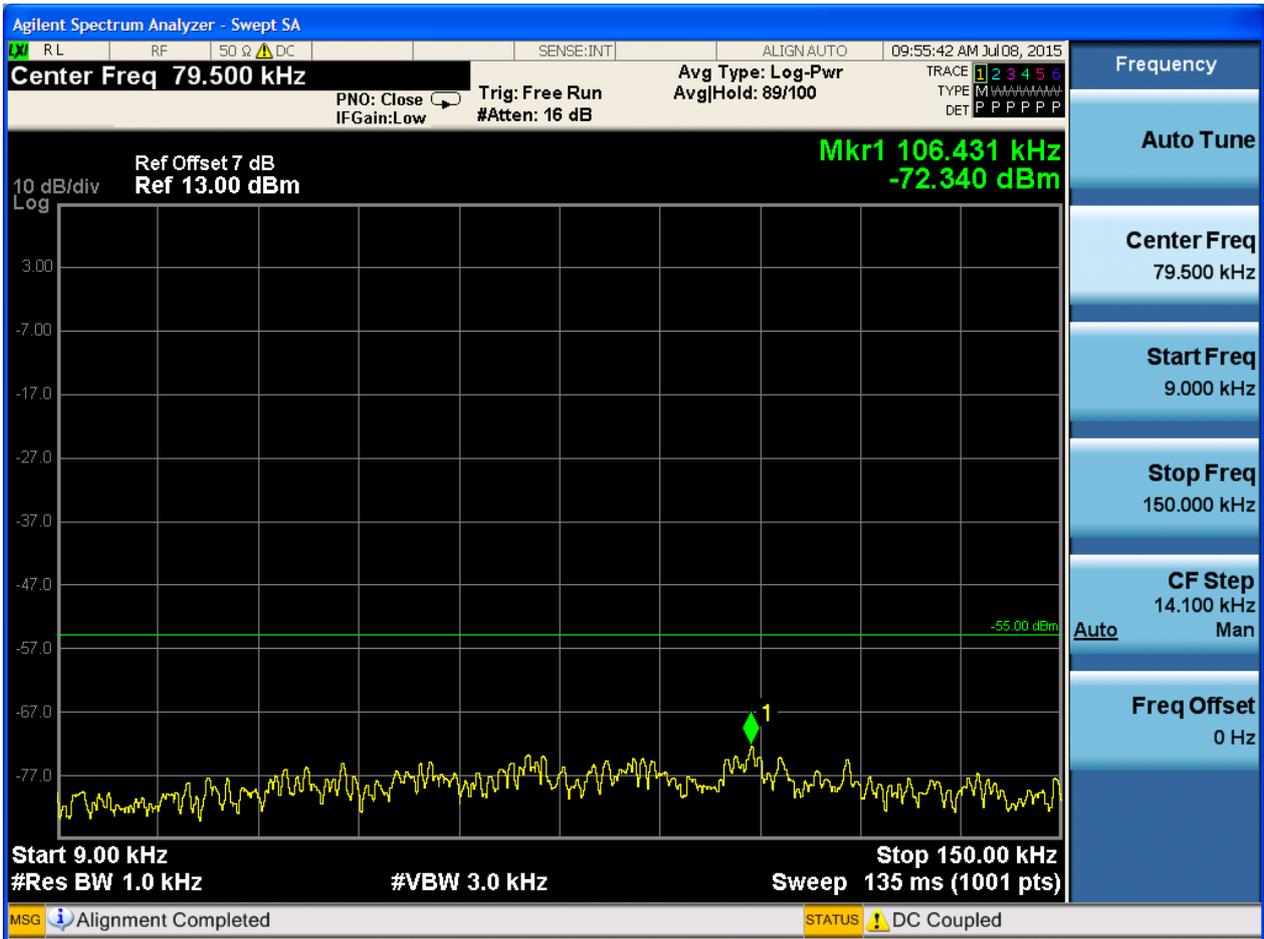


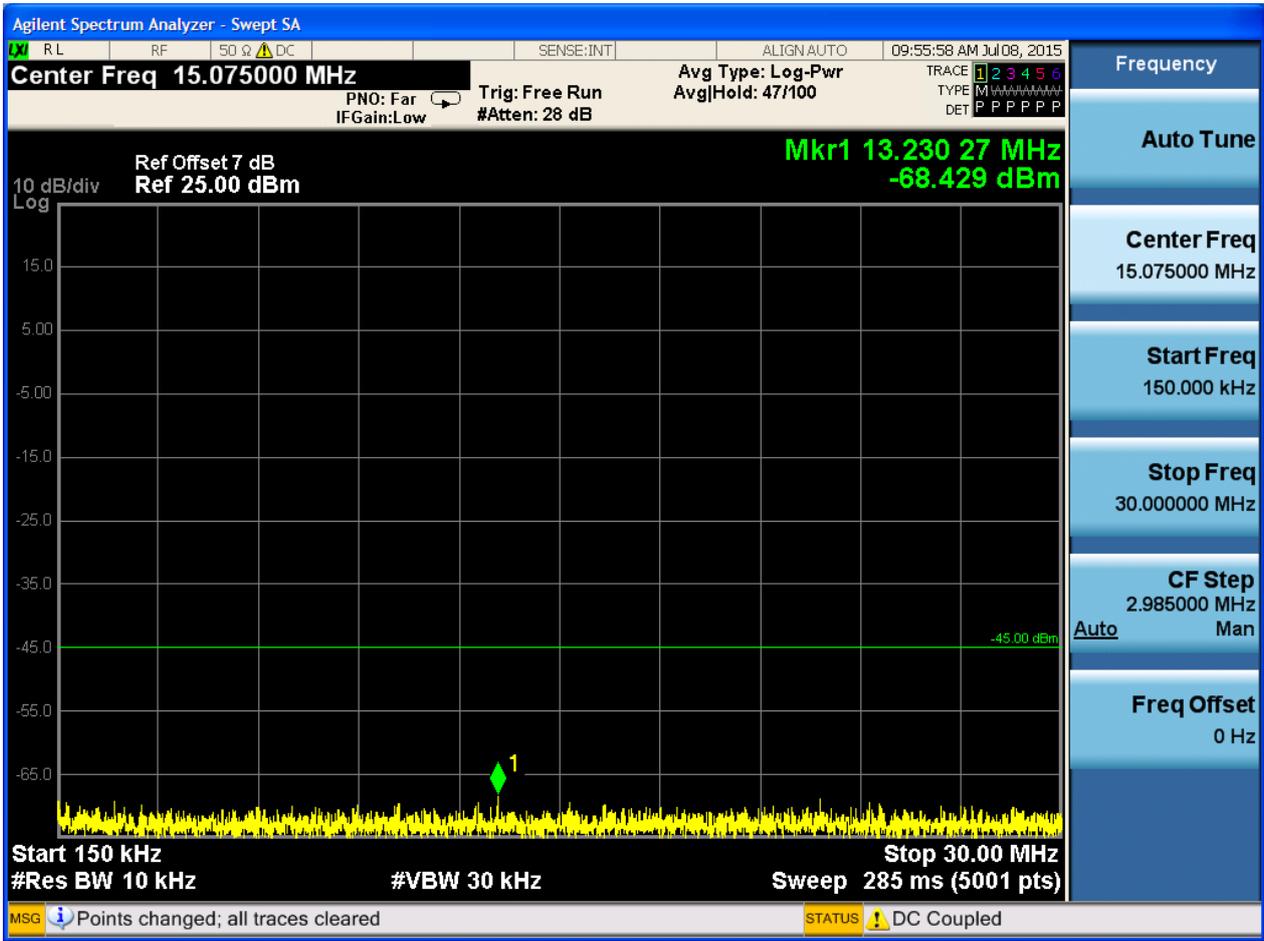


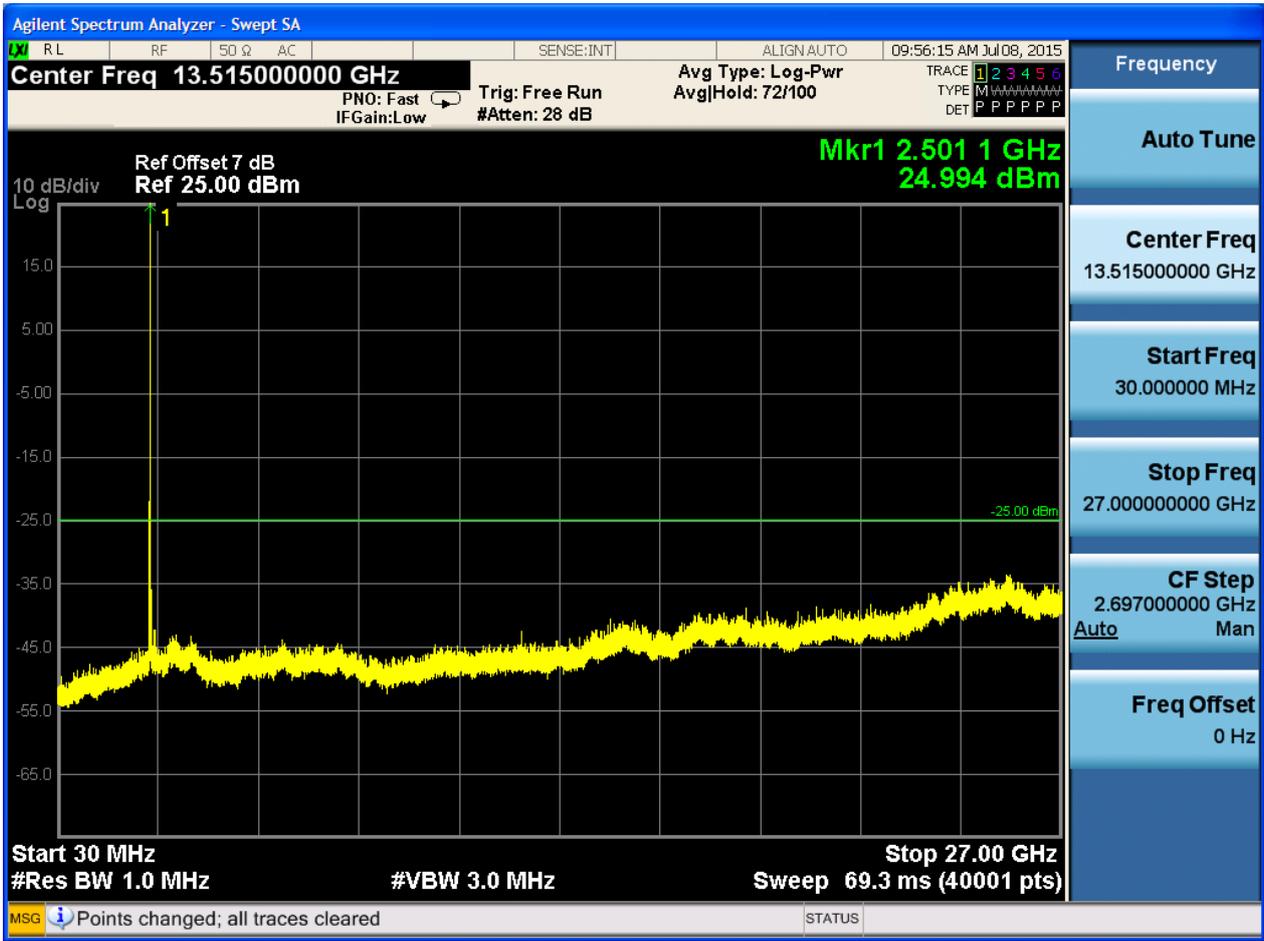
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



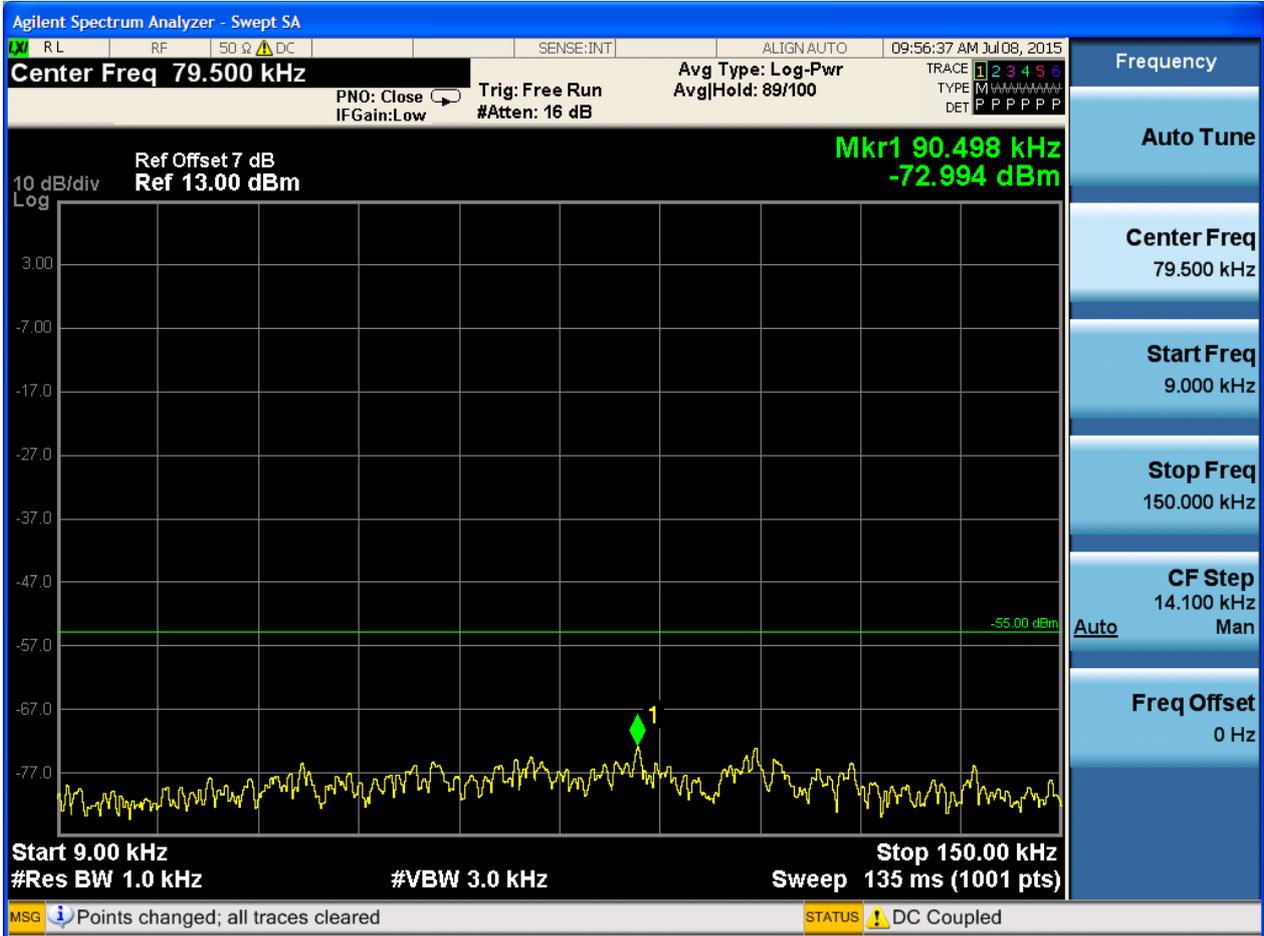


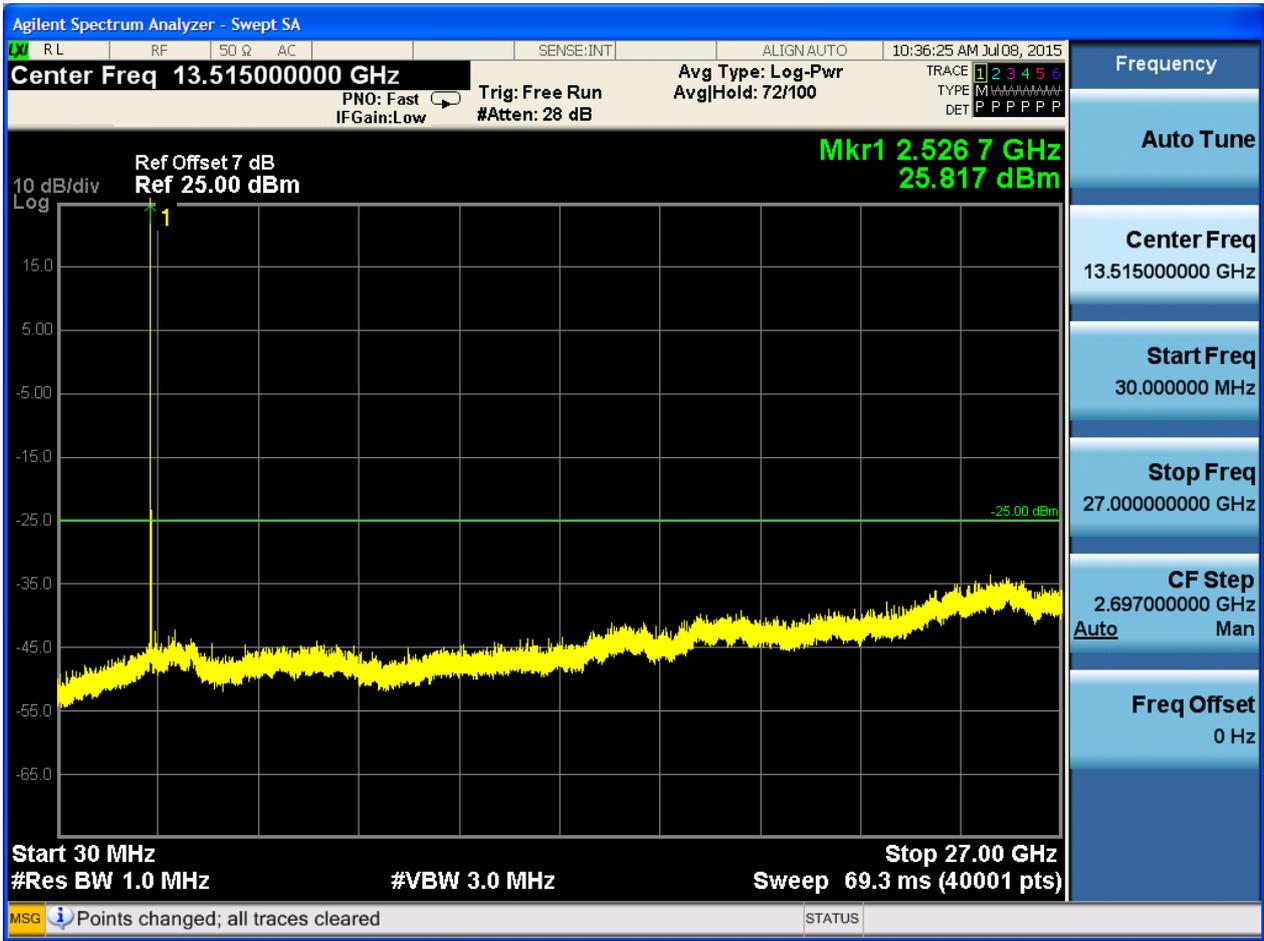




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

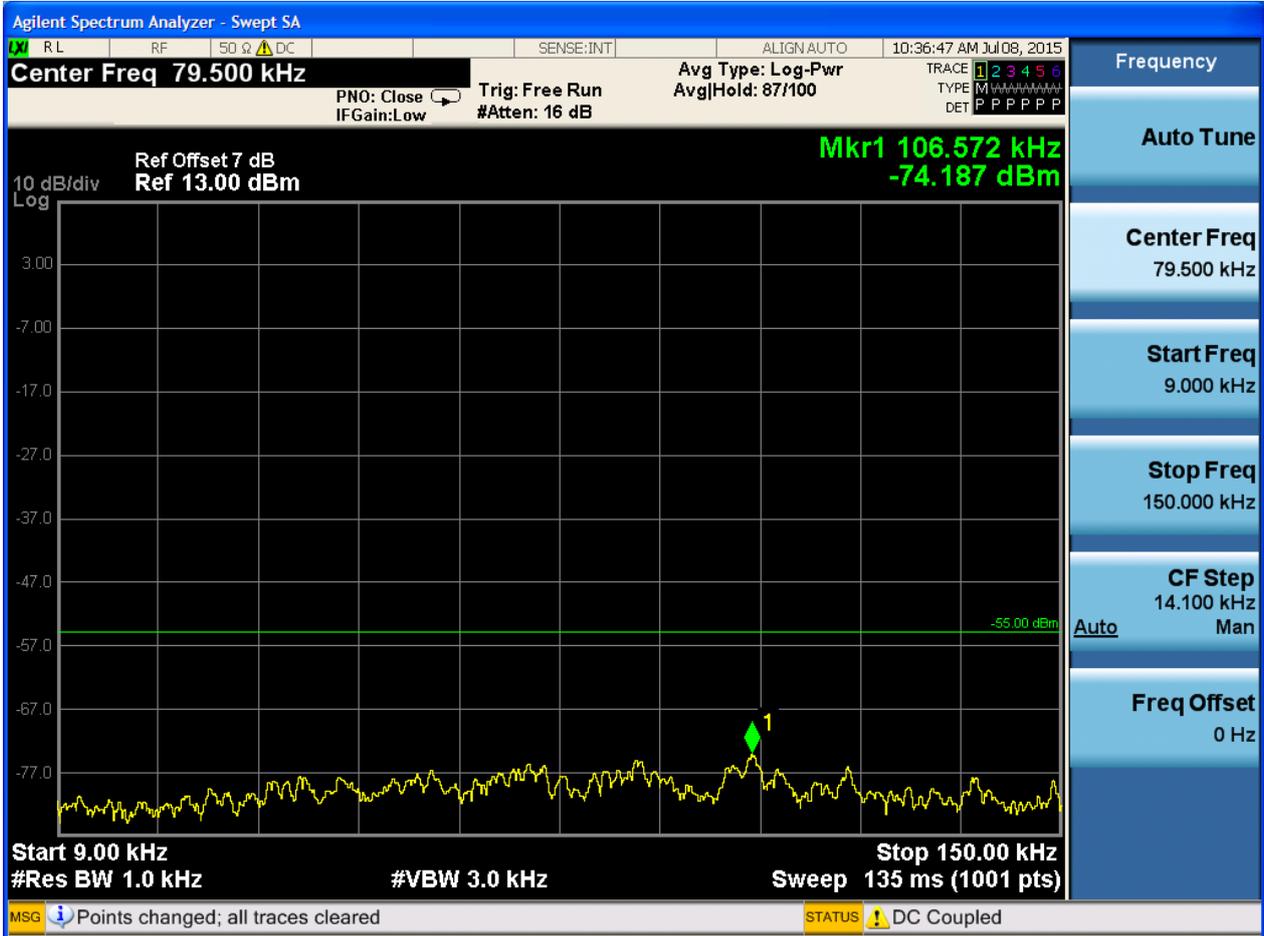


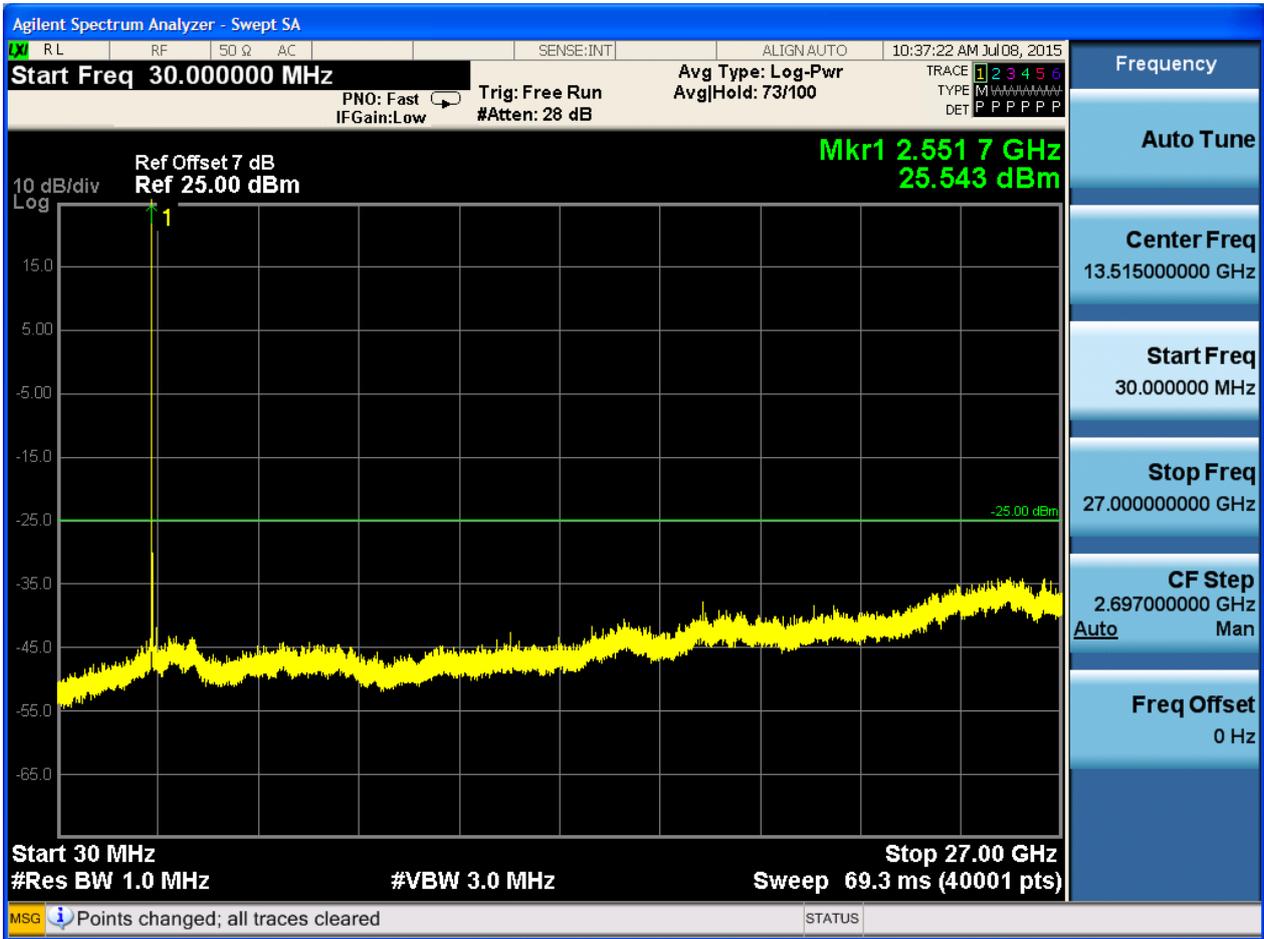




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





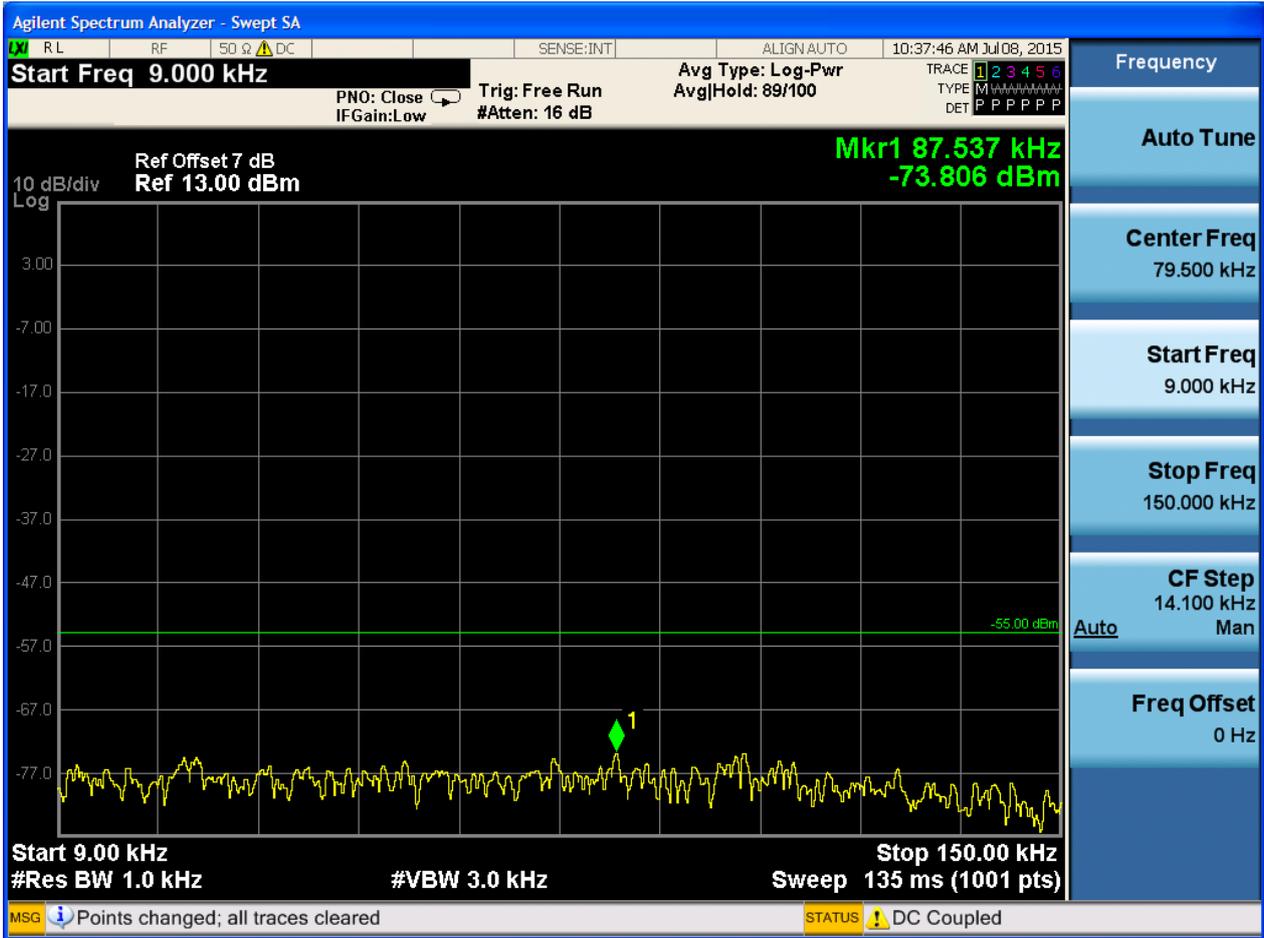


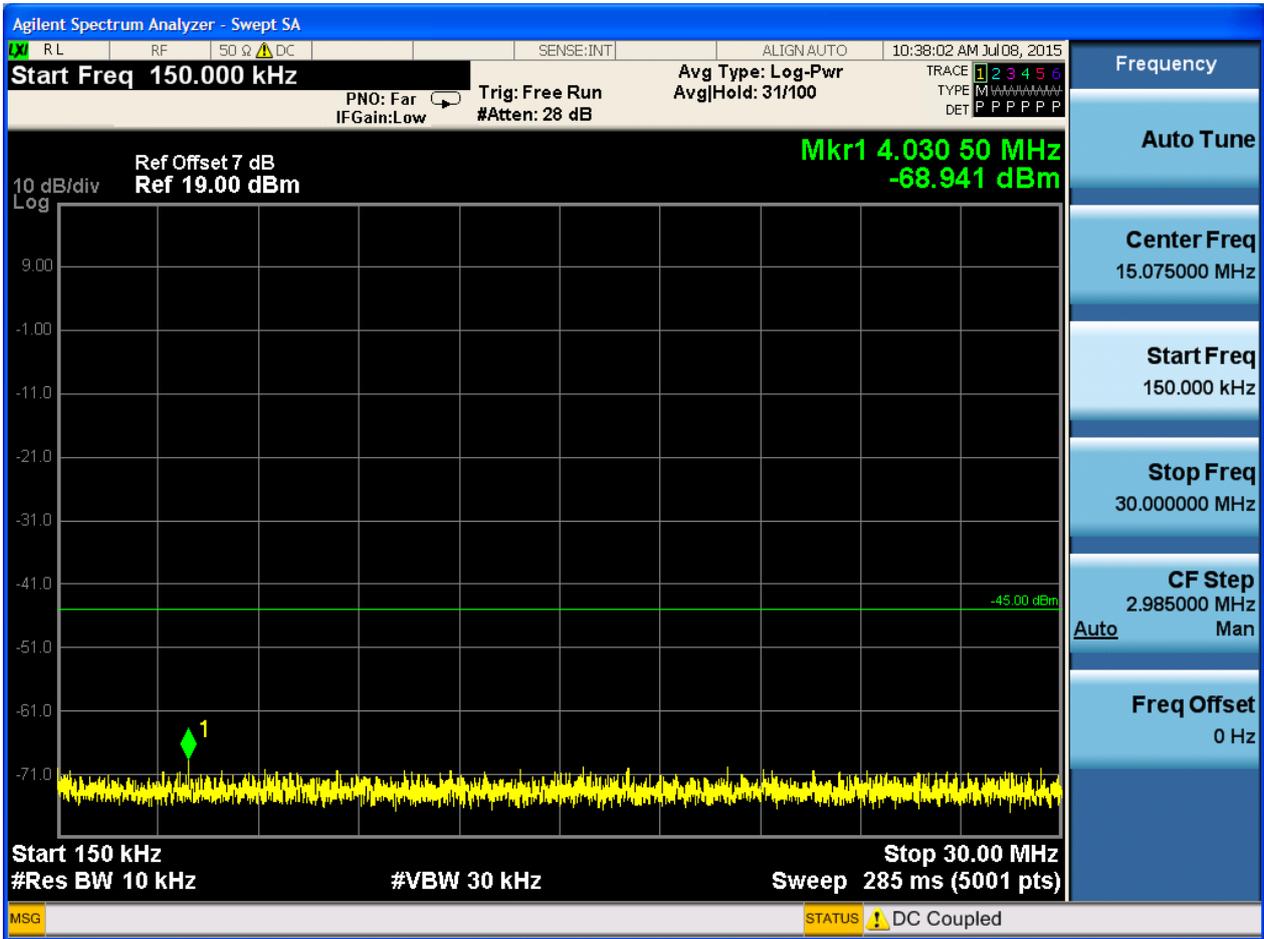
6.1.1.2 Test Mode = LTE/TM2

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

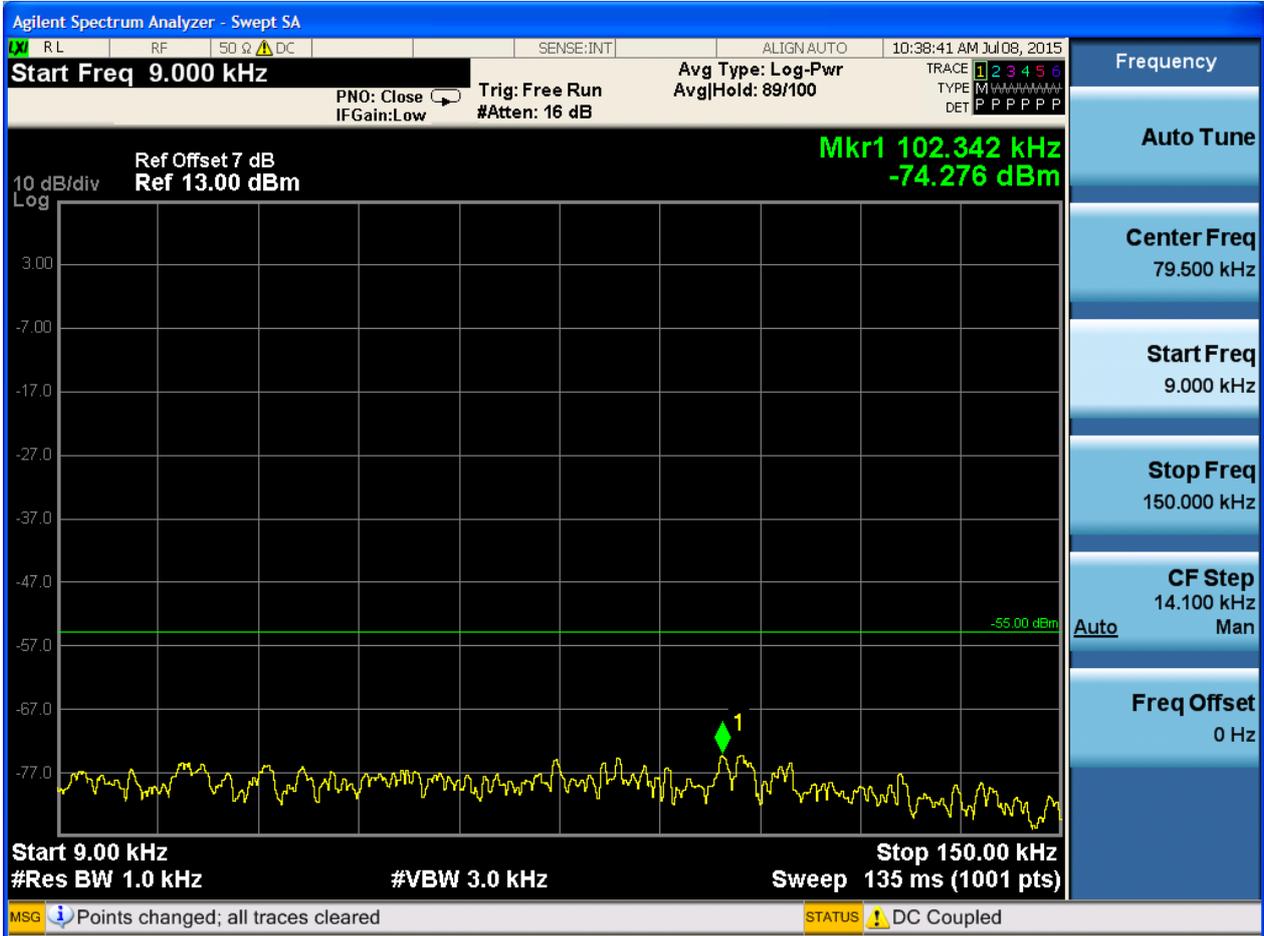






6.1.1.2.1.2 Test Channel = MCH

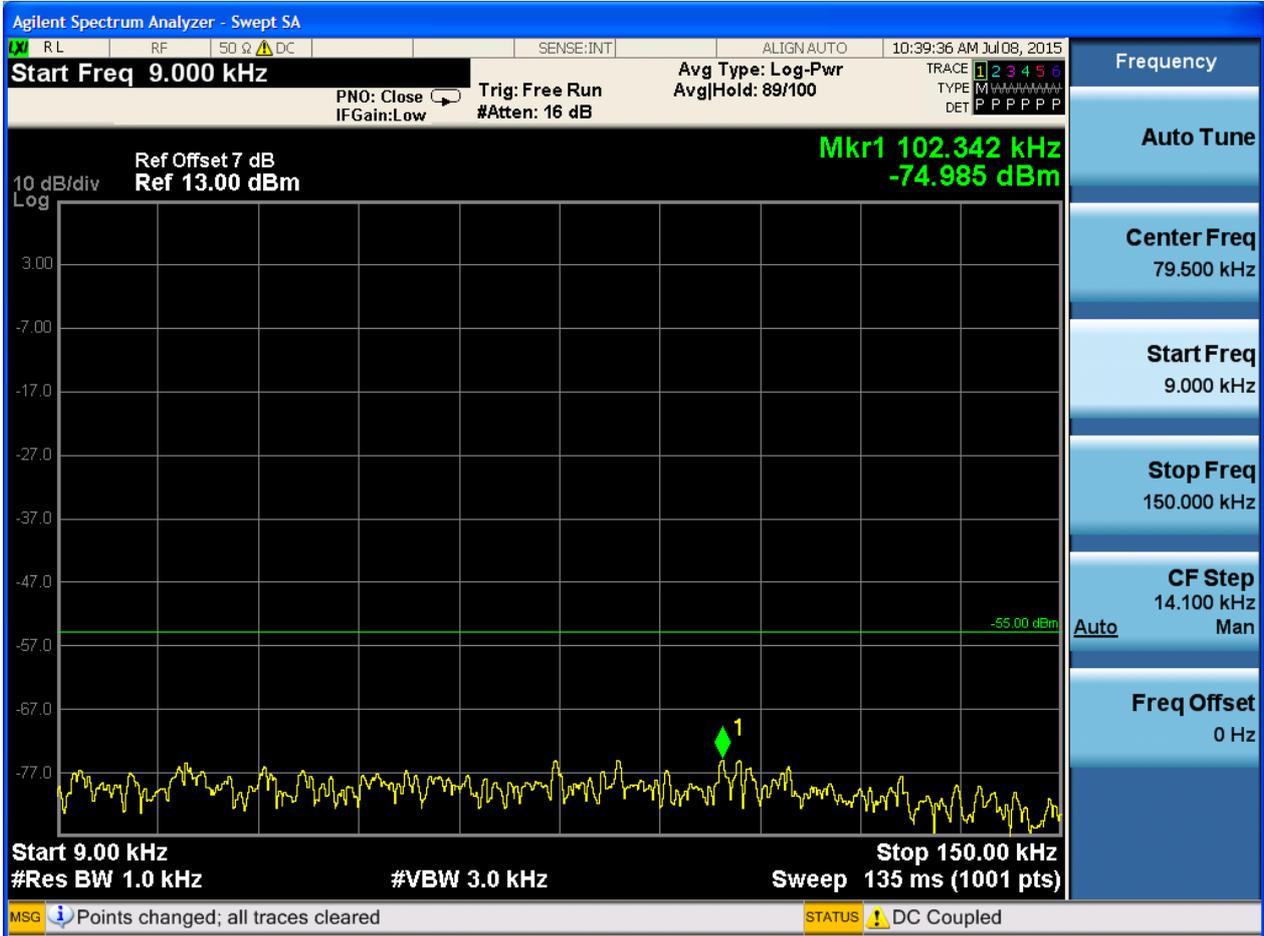
6.1.1.2.1.2.1 Test RB = RB1#0

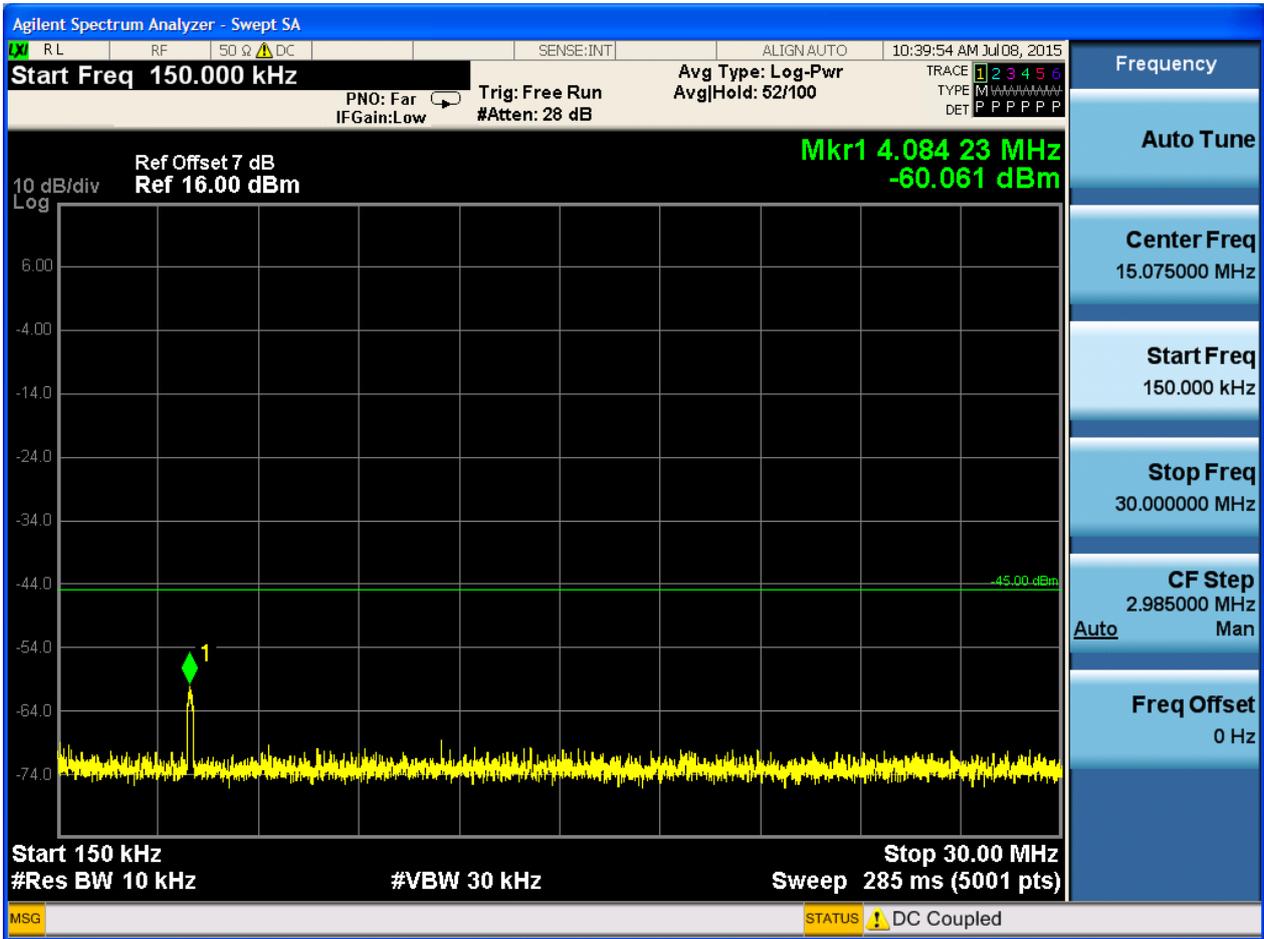


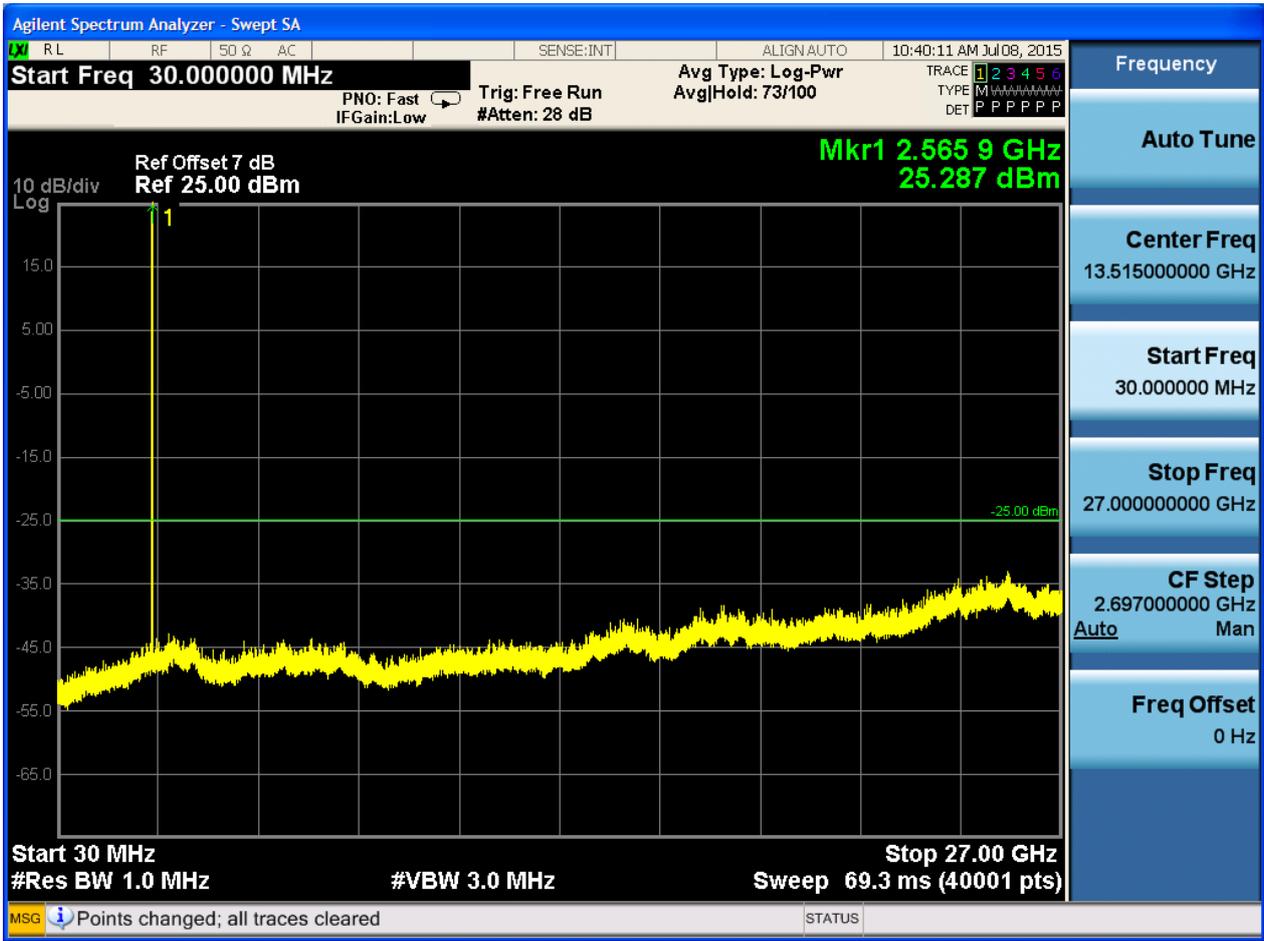


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





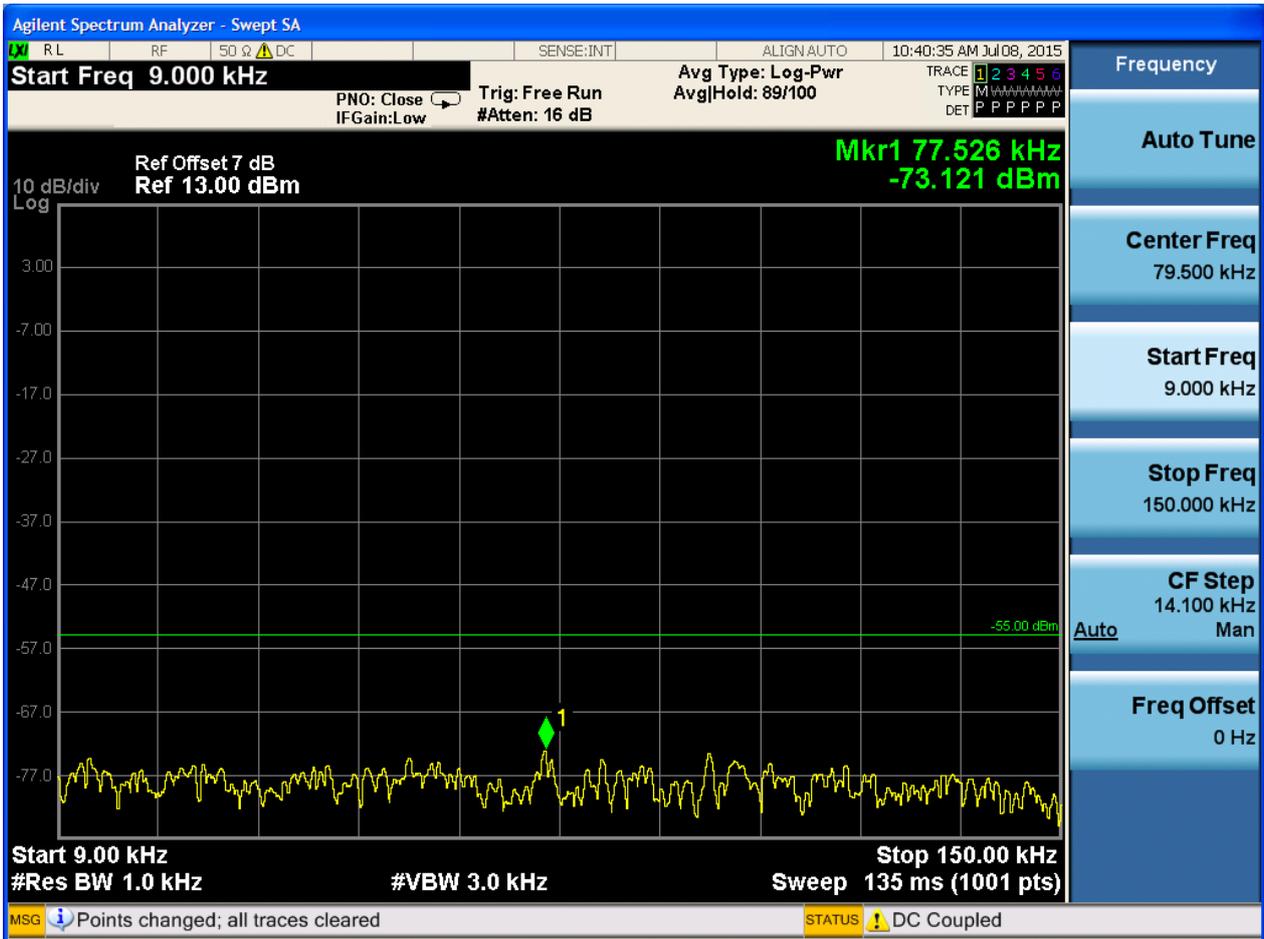


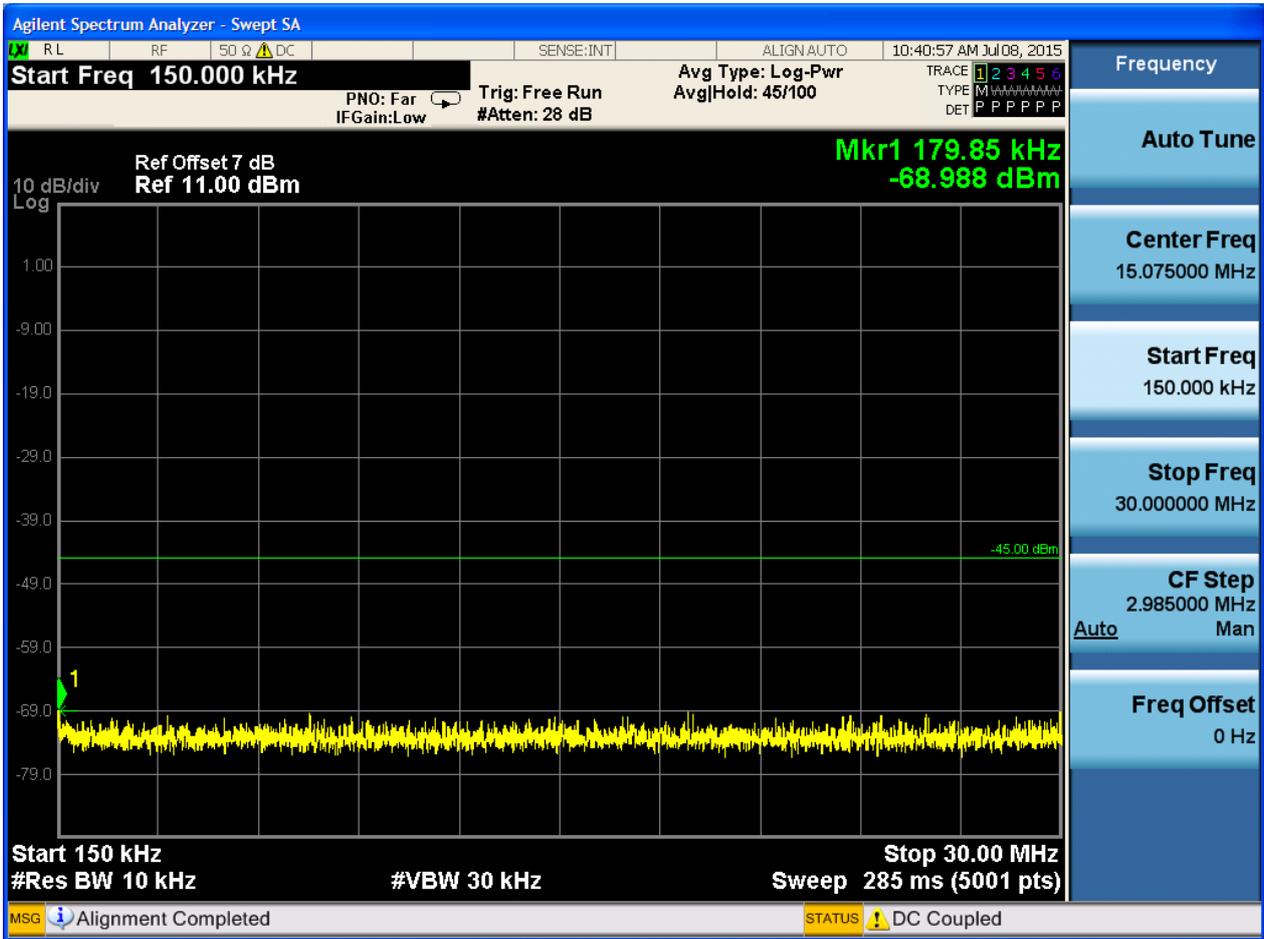


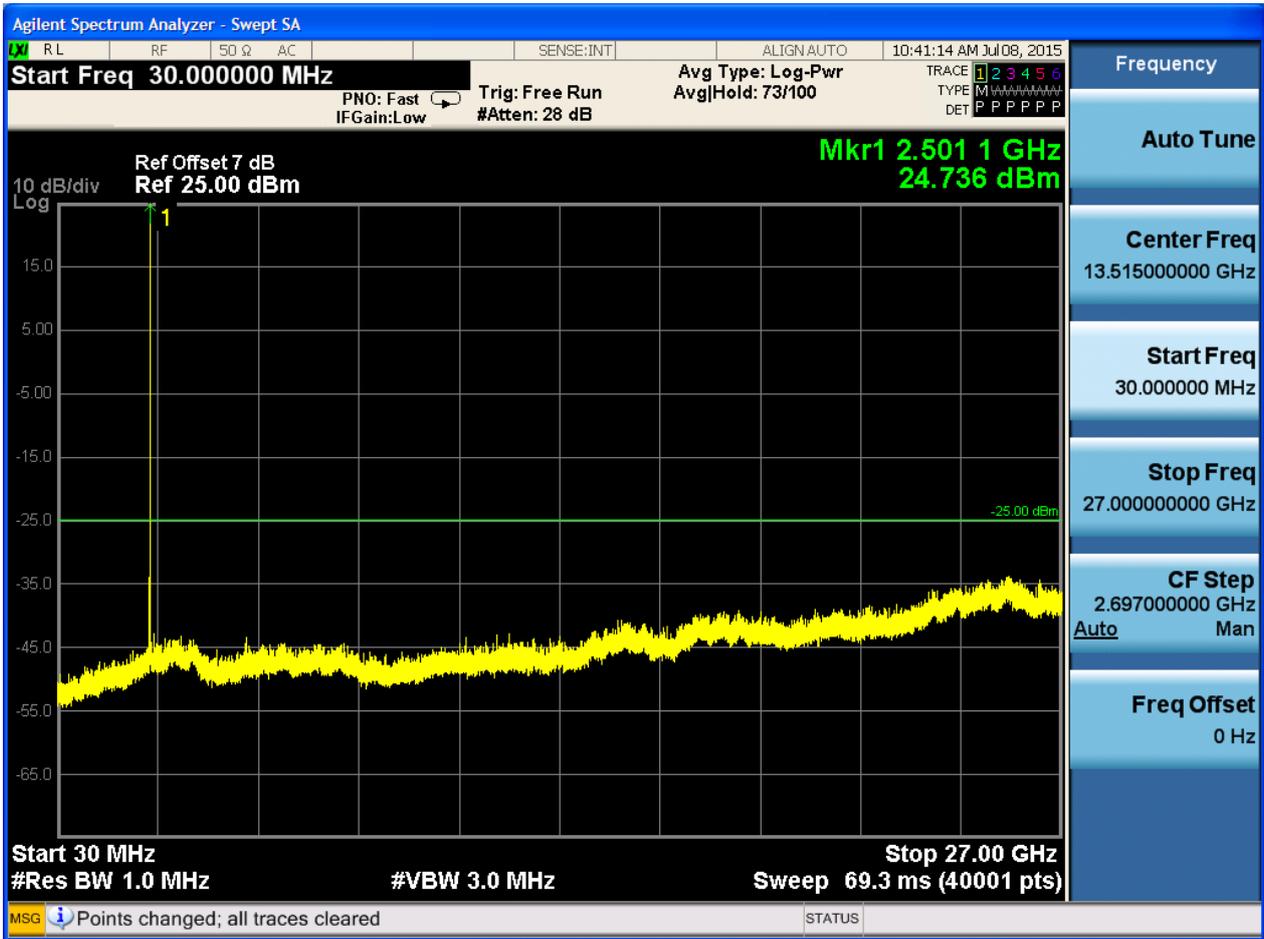
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



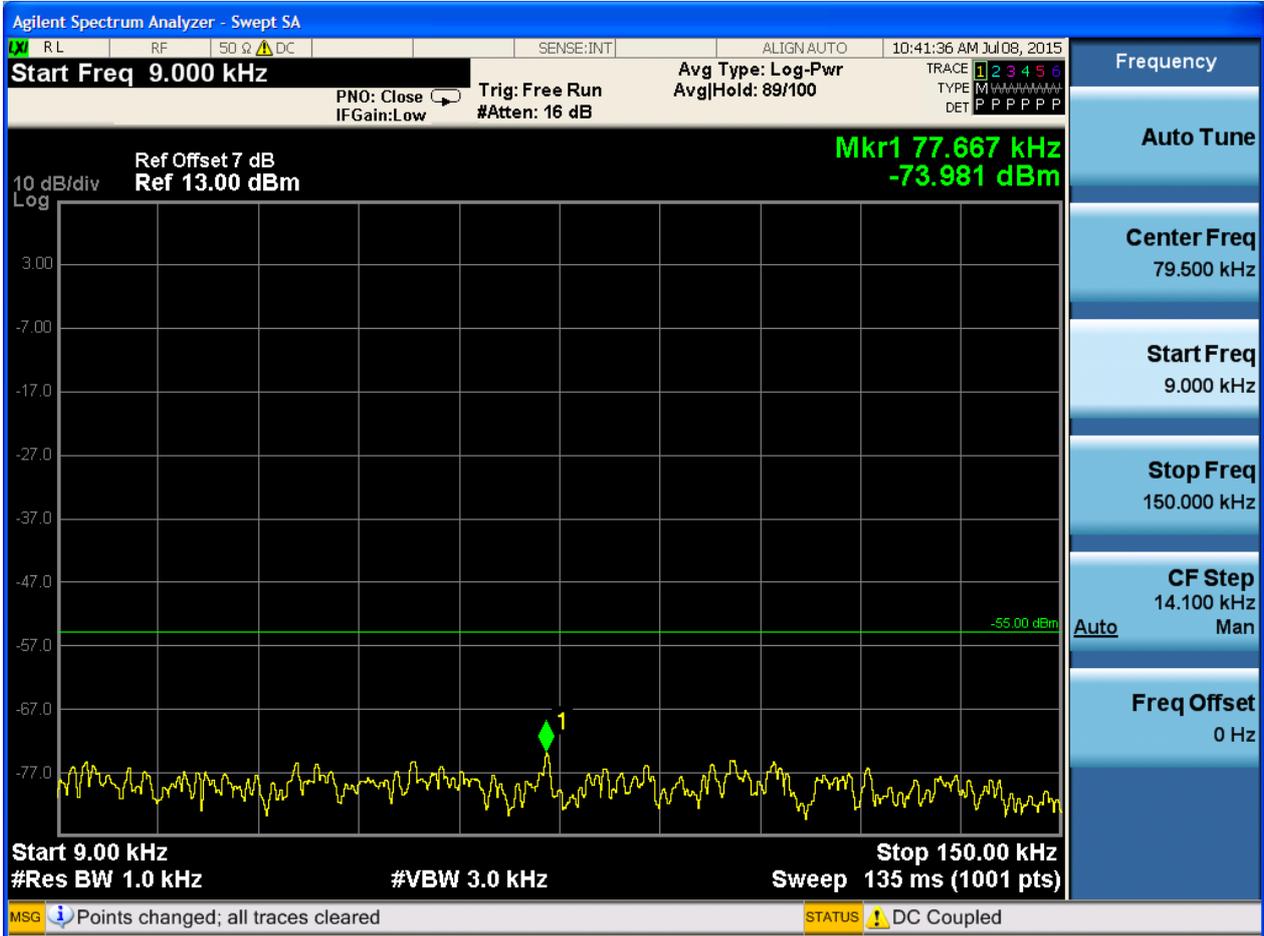






6.1.1.2.2.2 Test Channel = MCH

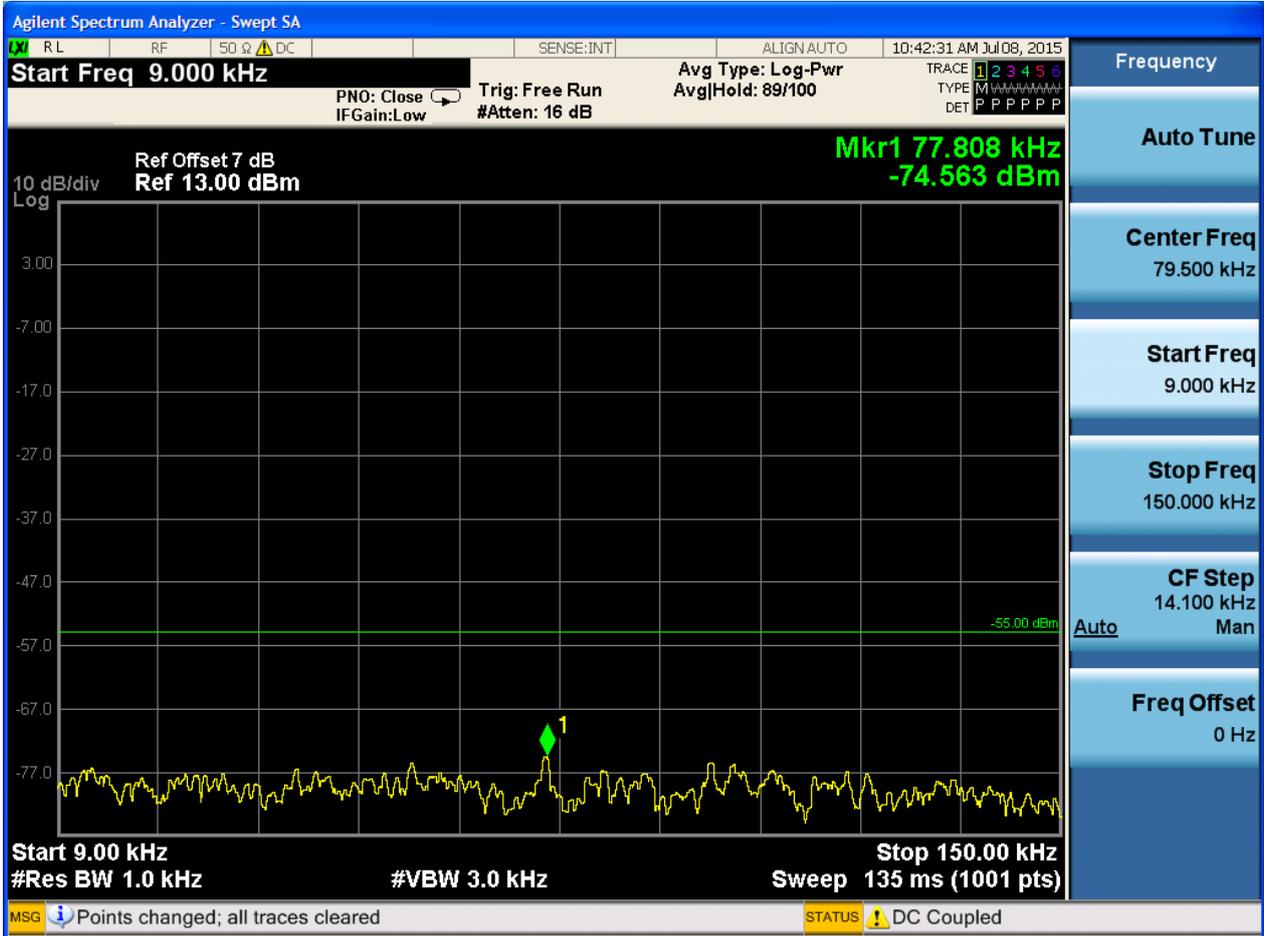
6.1.1.2.2.2.1 Test RB = RB1#0

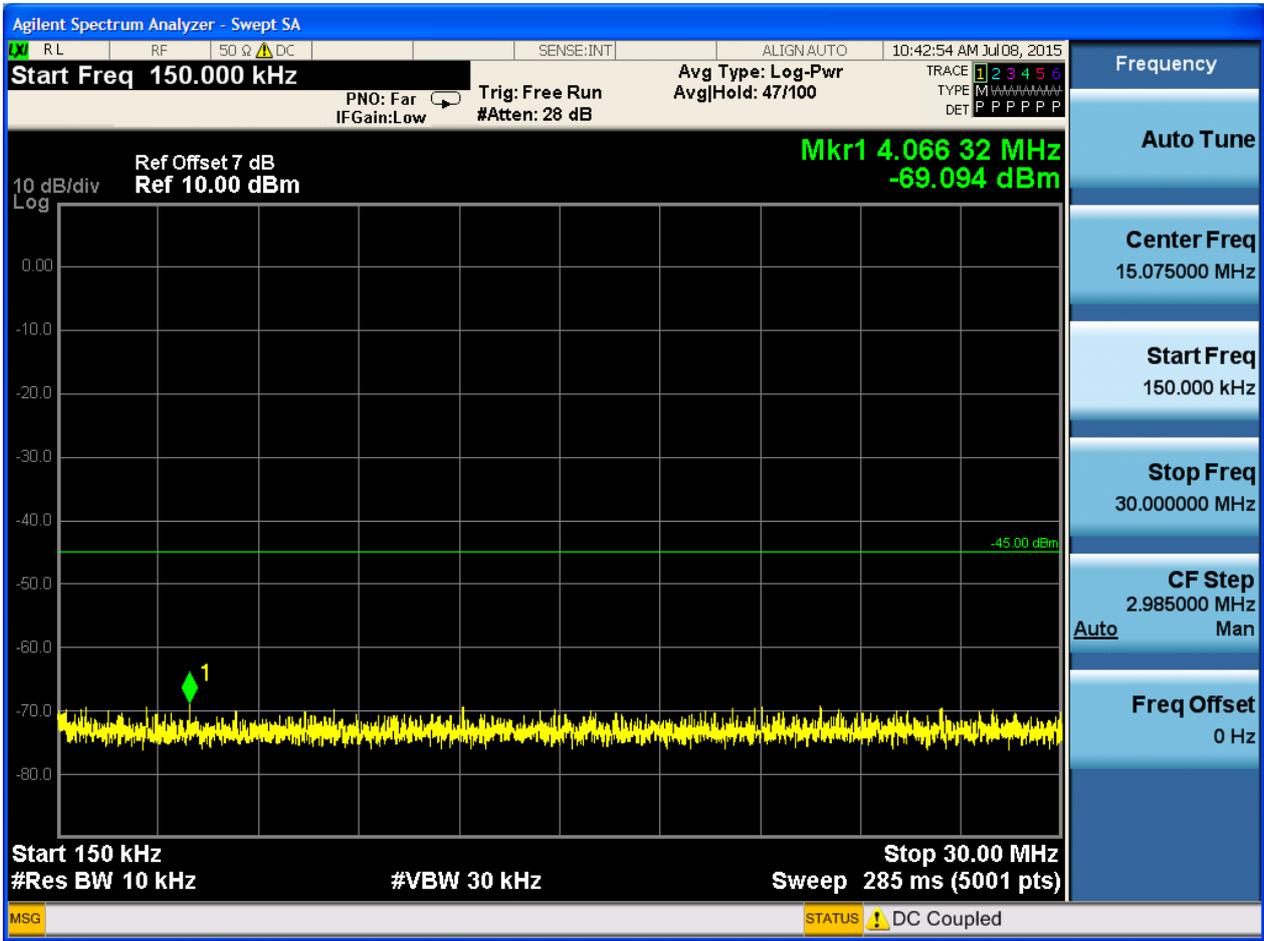




6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0



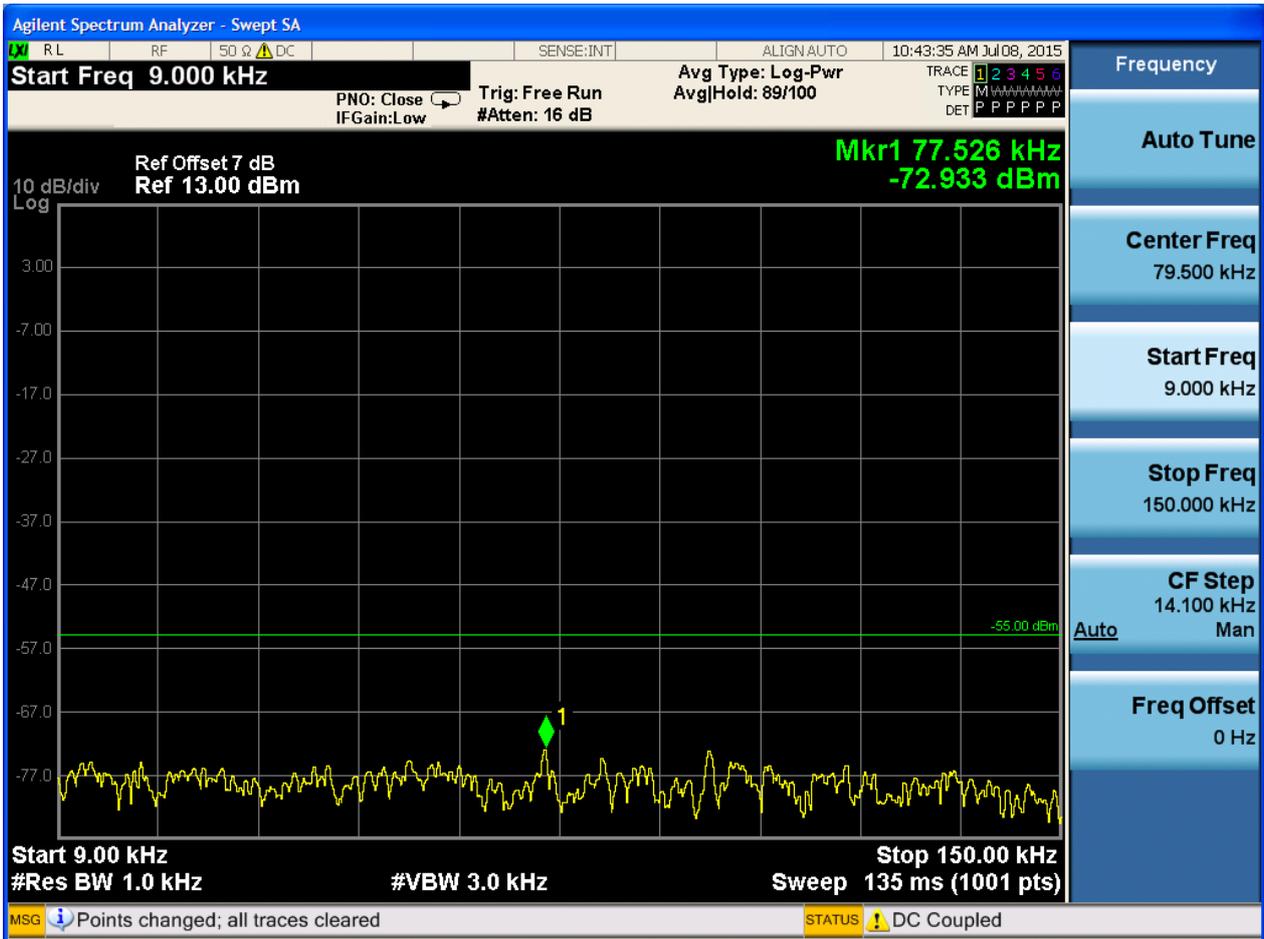


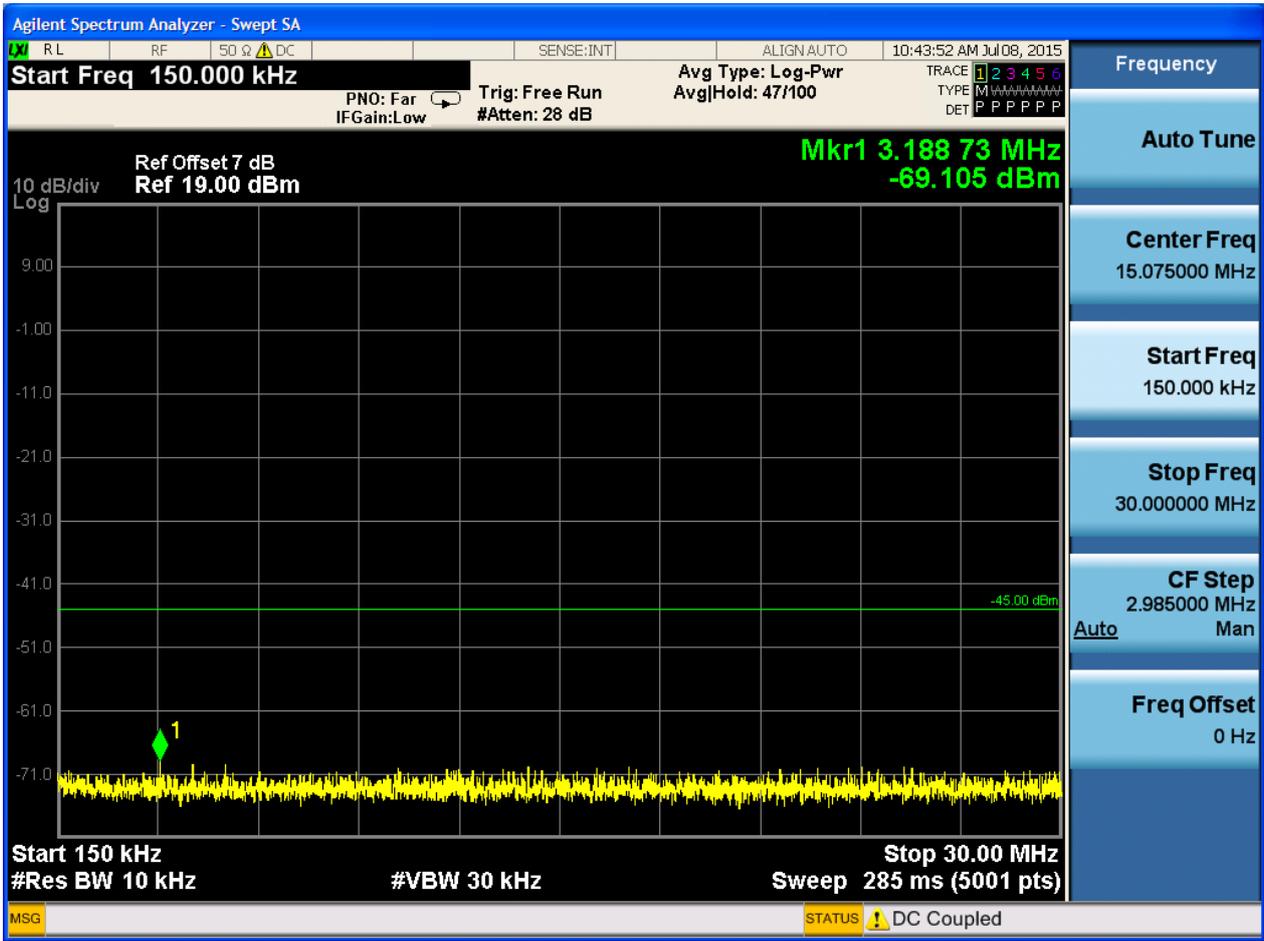


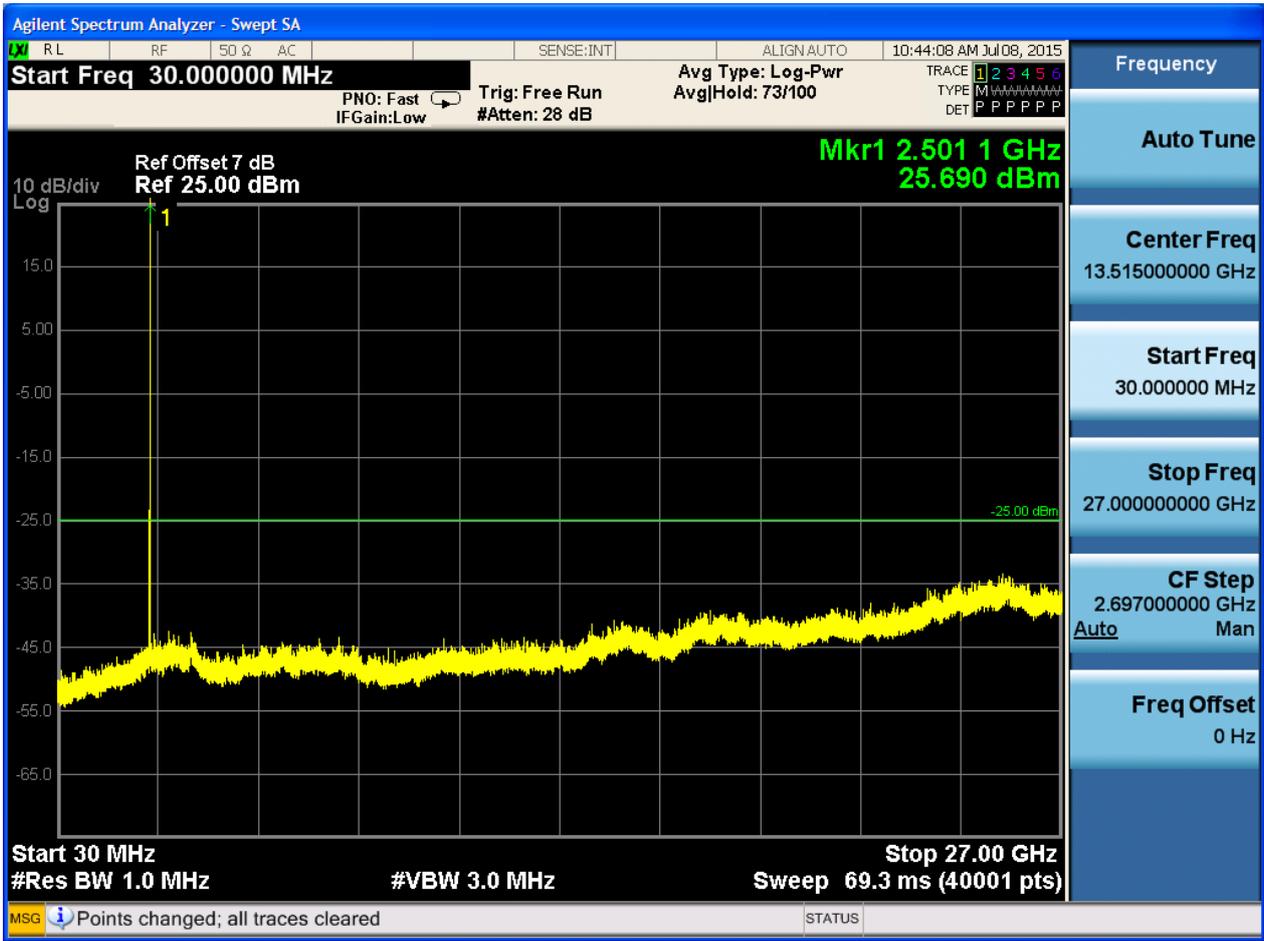
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



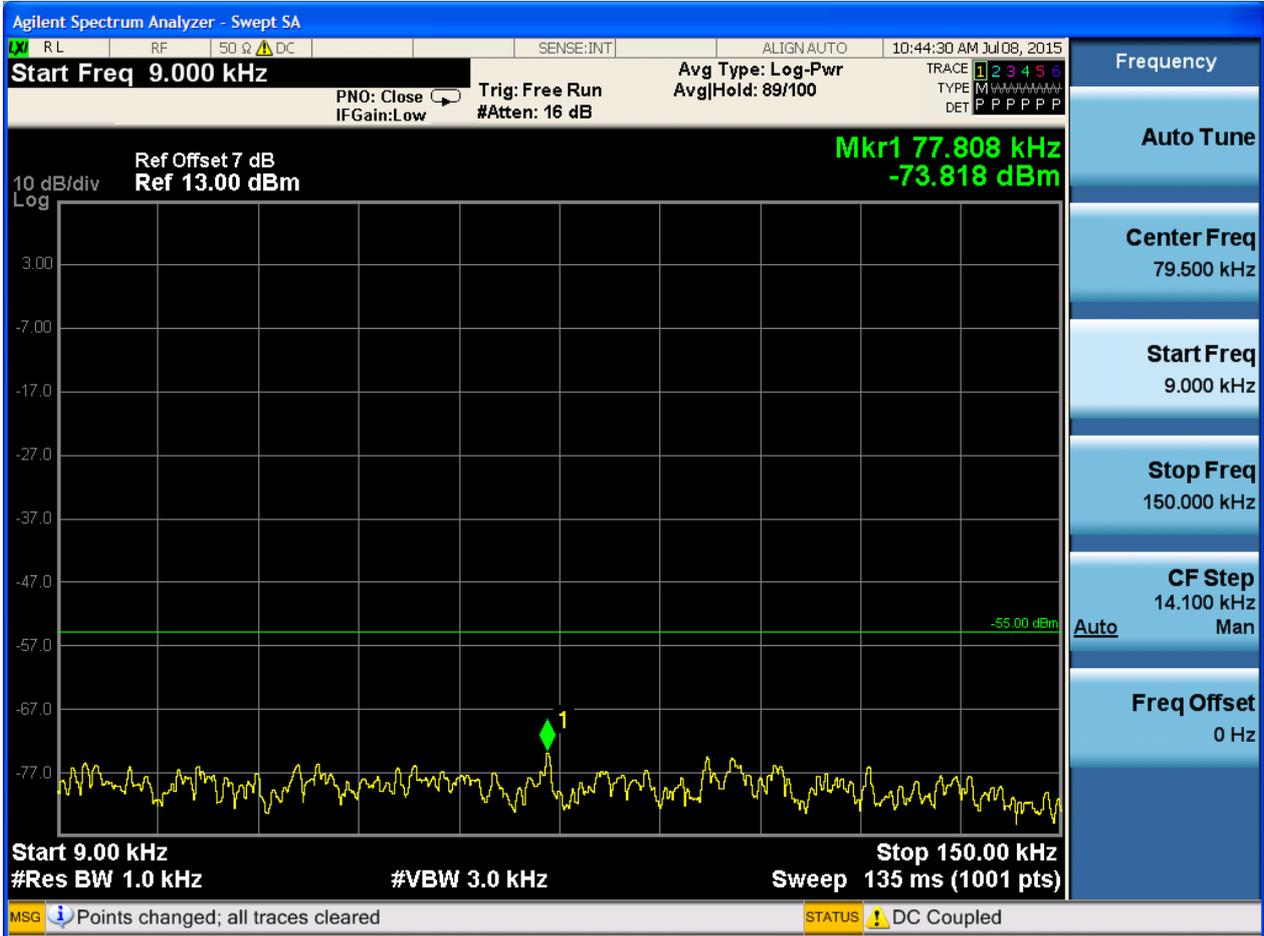






6.1.1.2.3.2 Test Channel = MCH

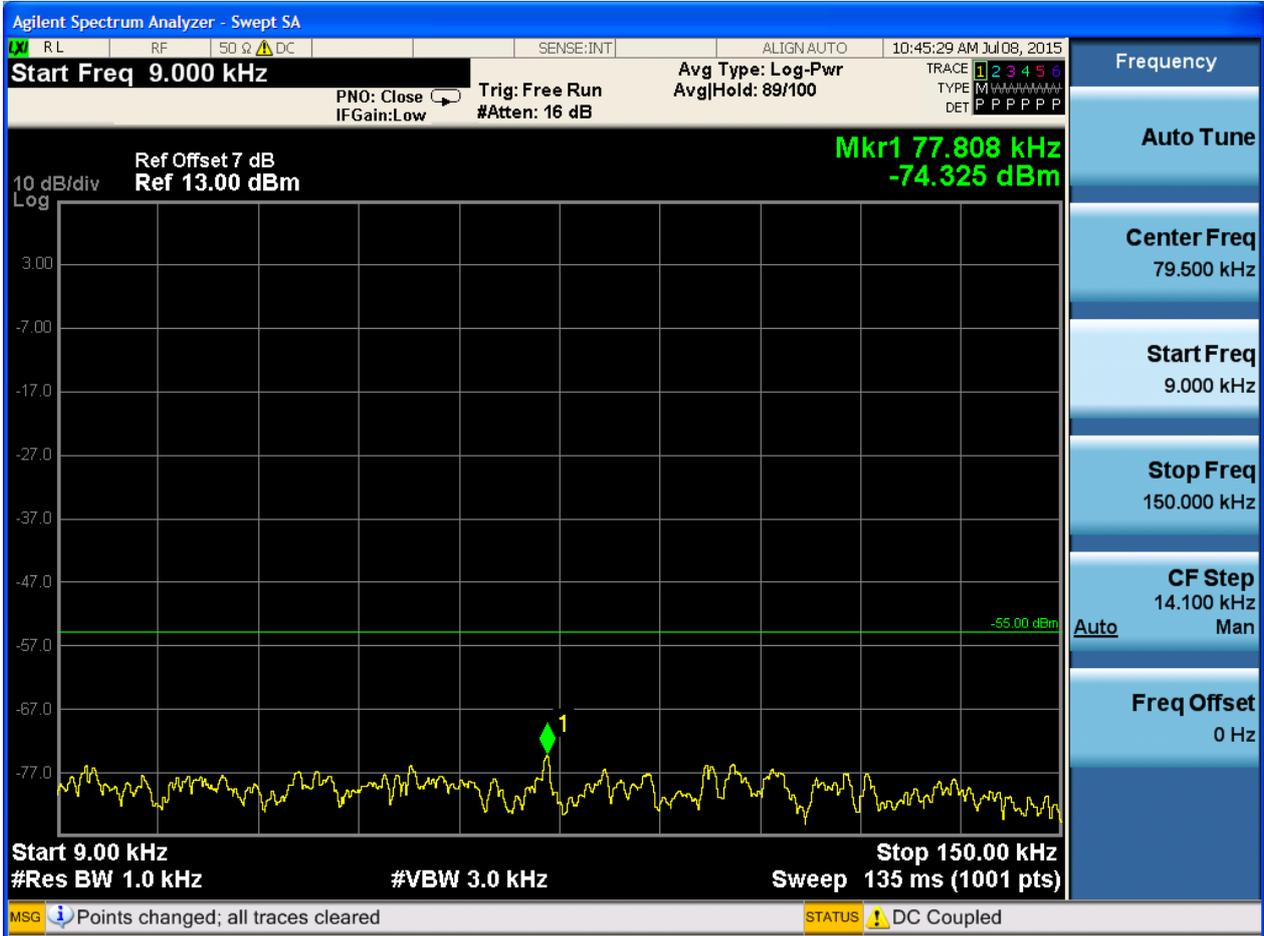
6.1.1.2.3.2.1 Test RB = RB1#0

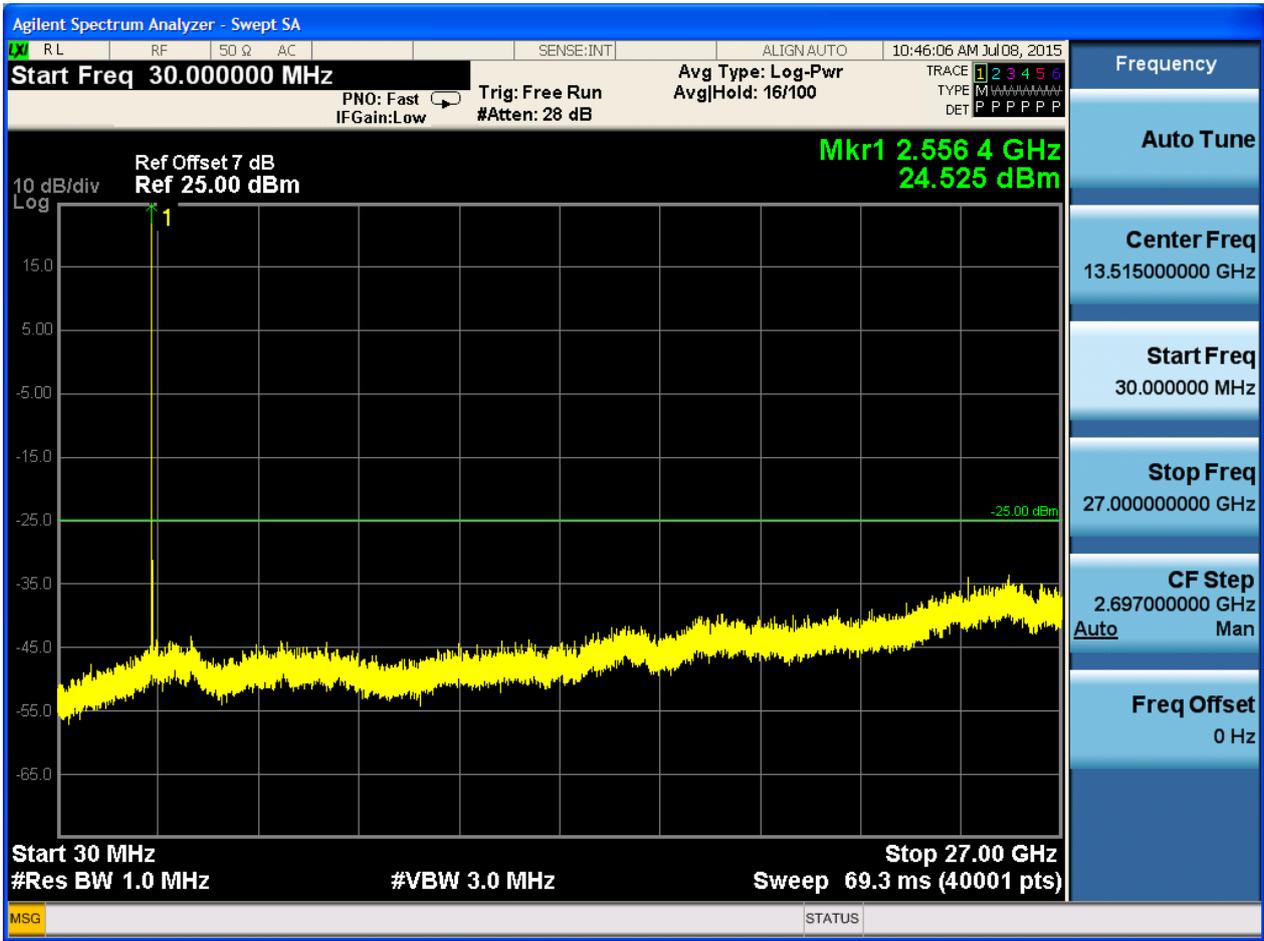




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



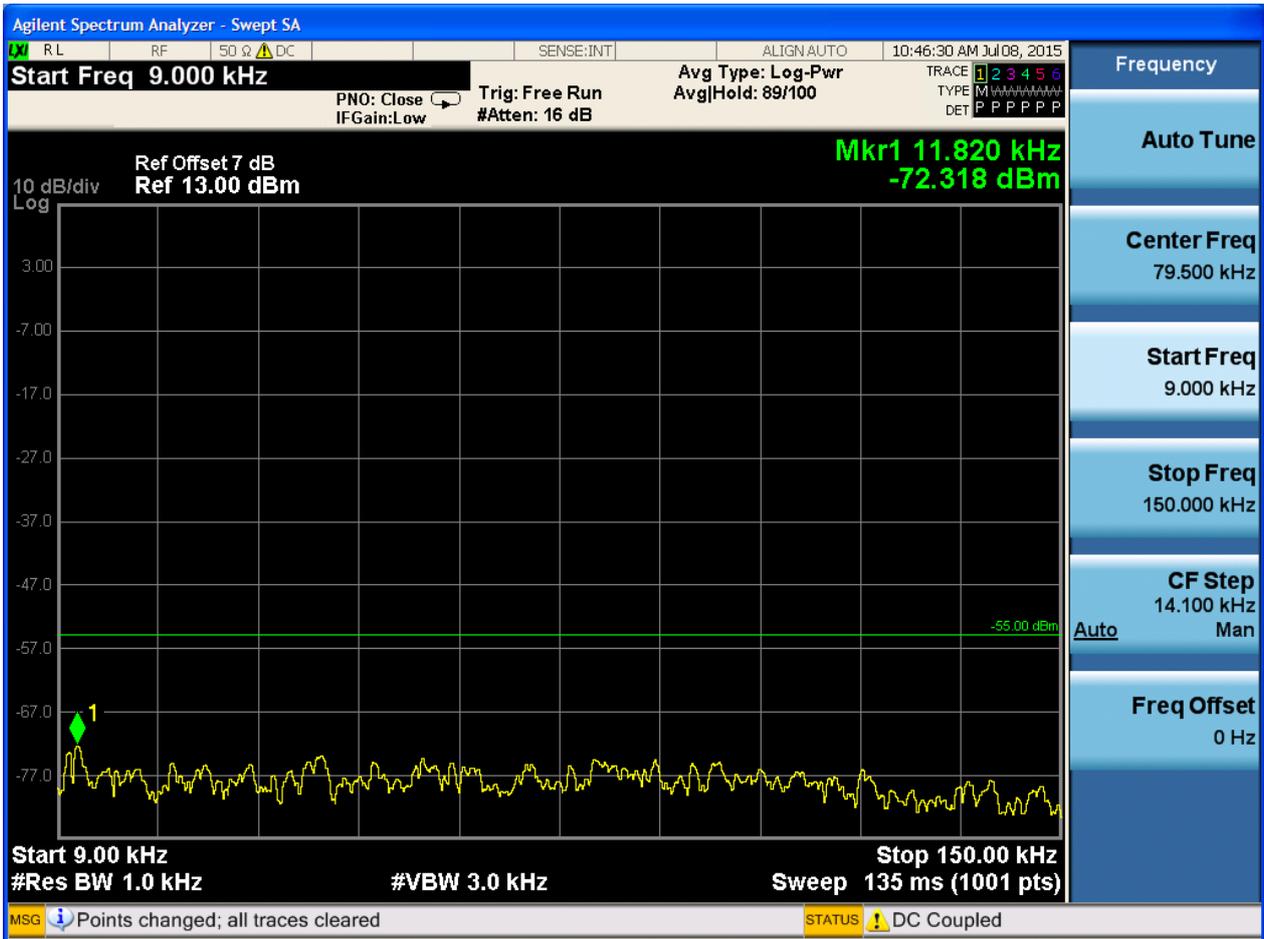


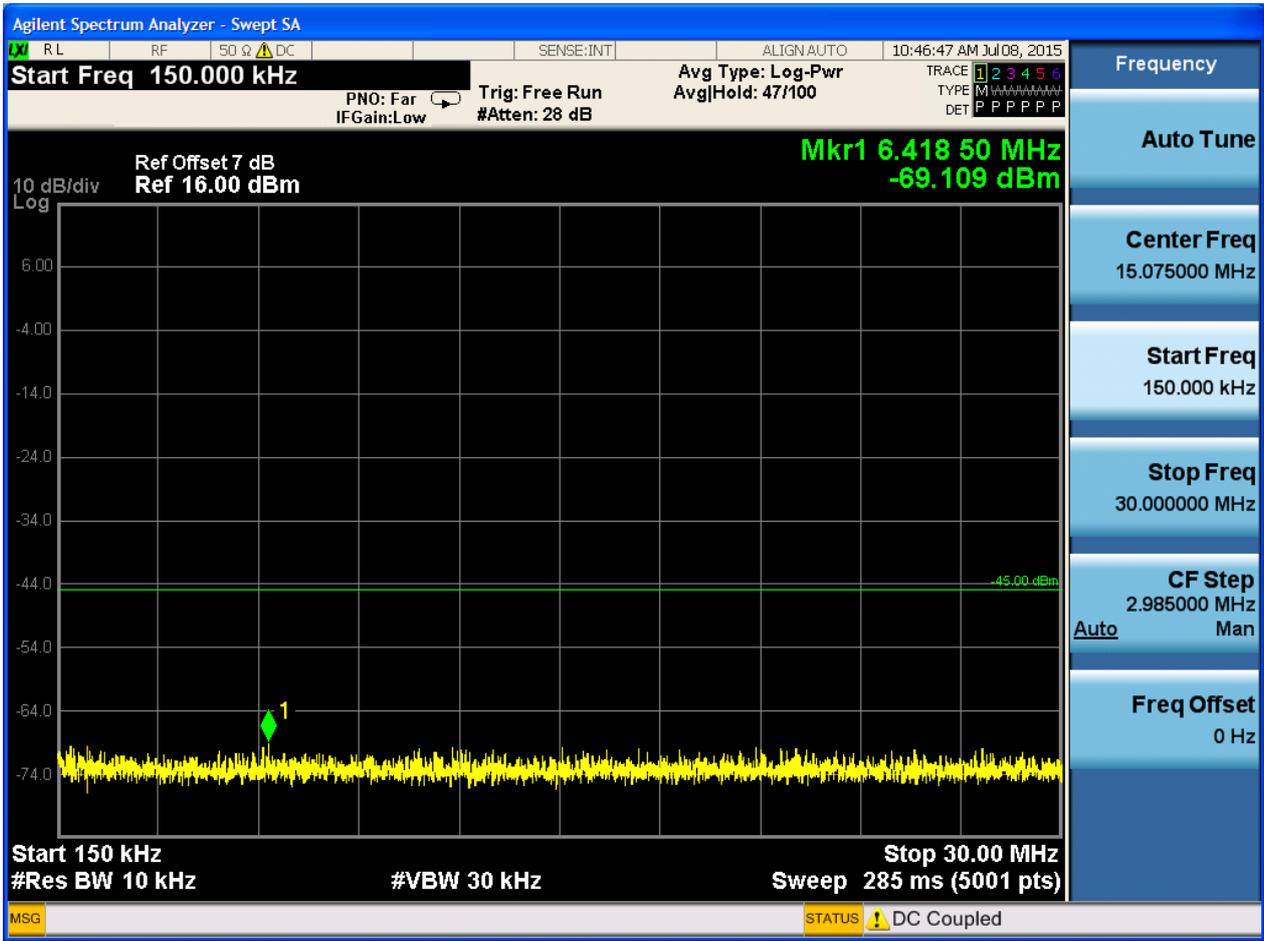


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

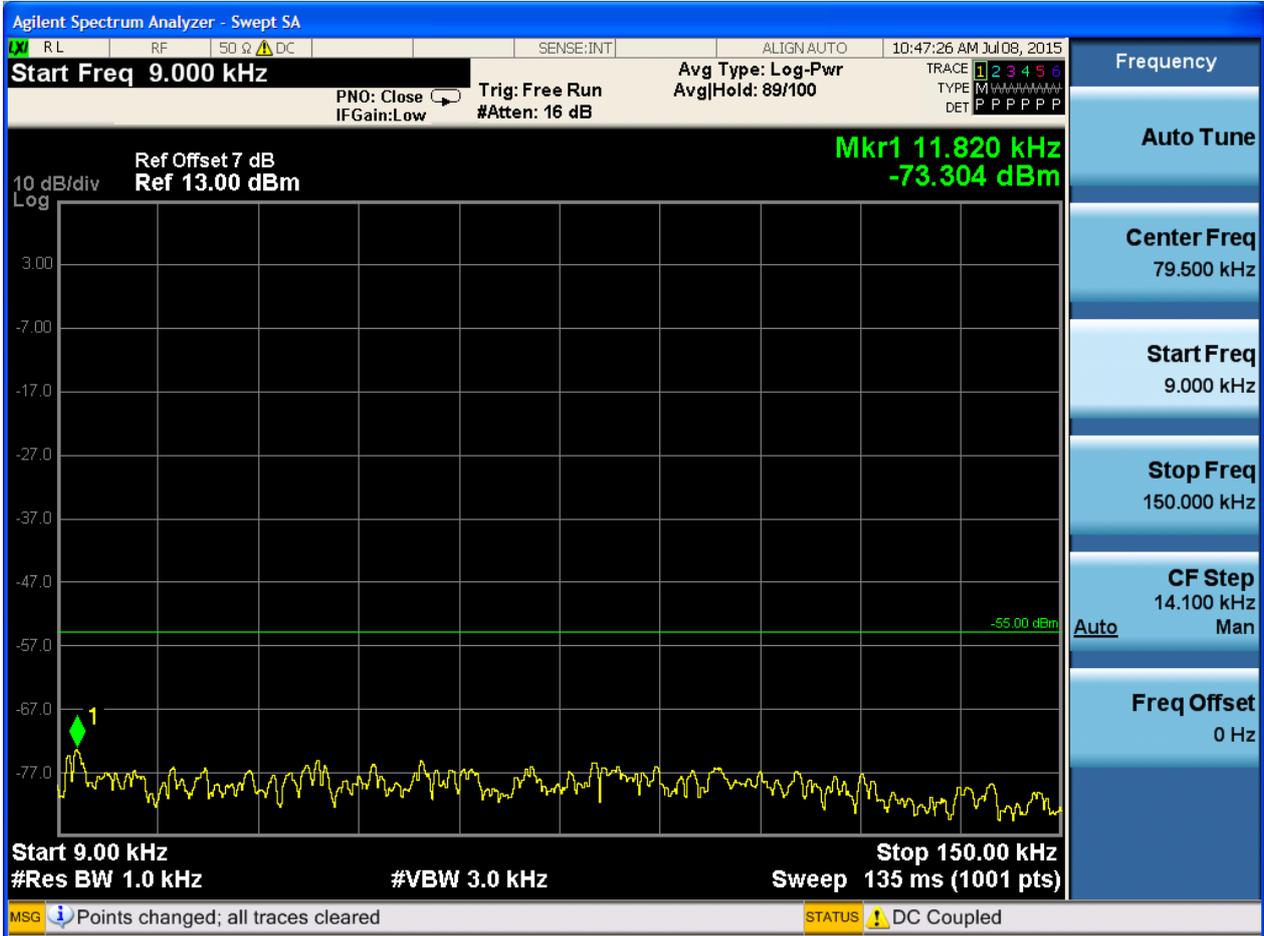


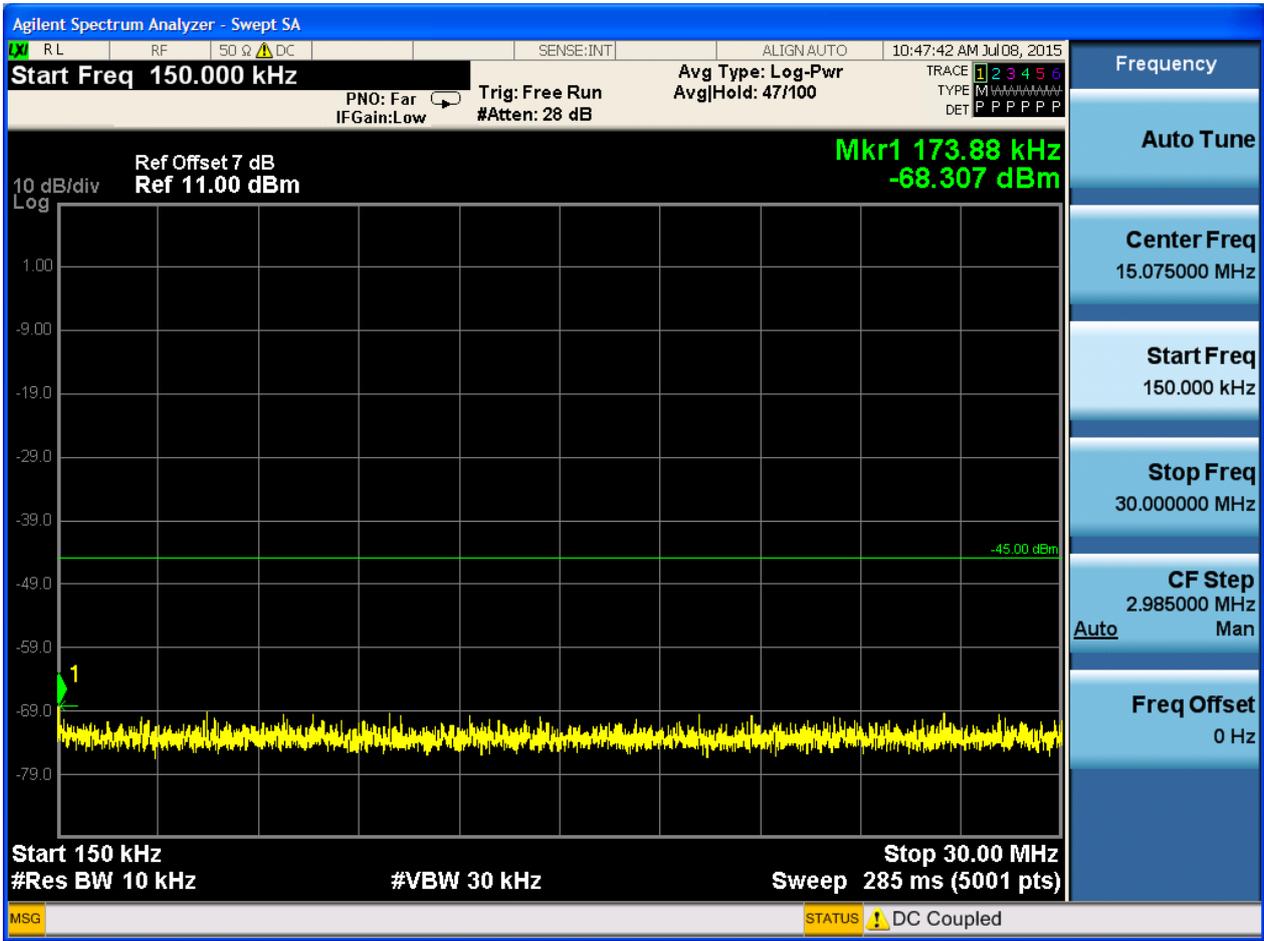


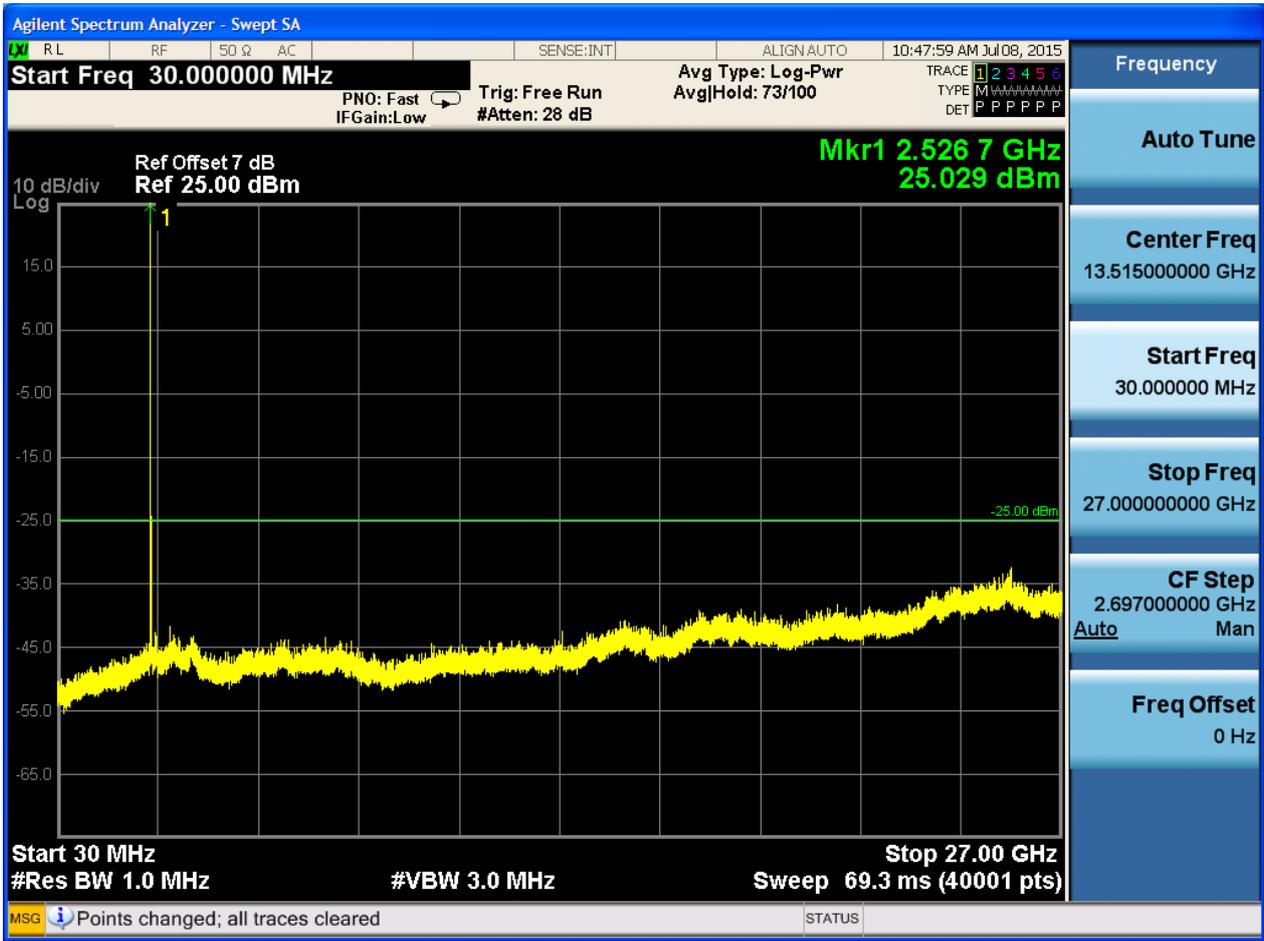


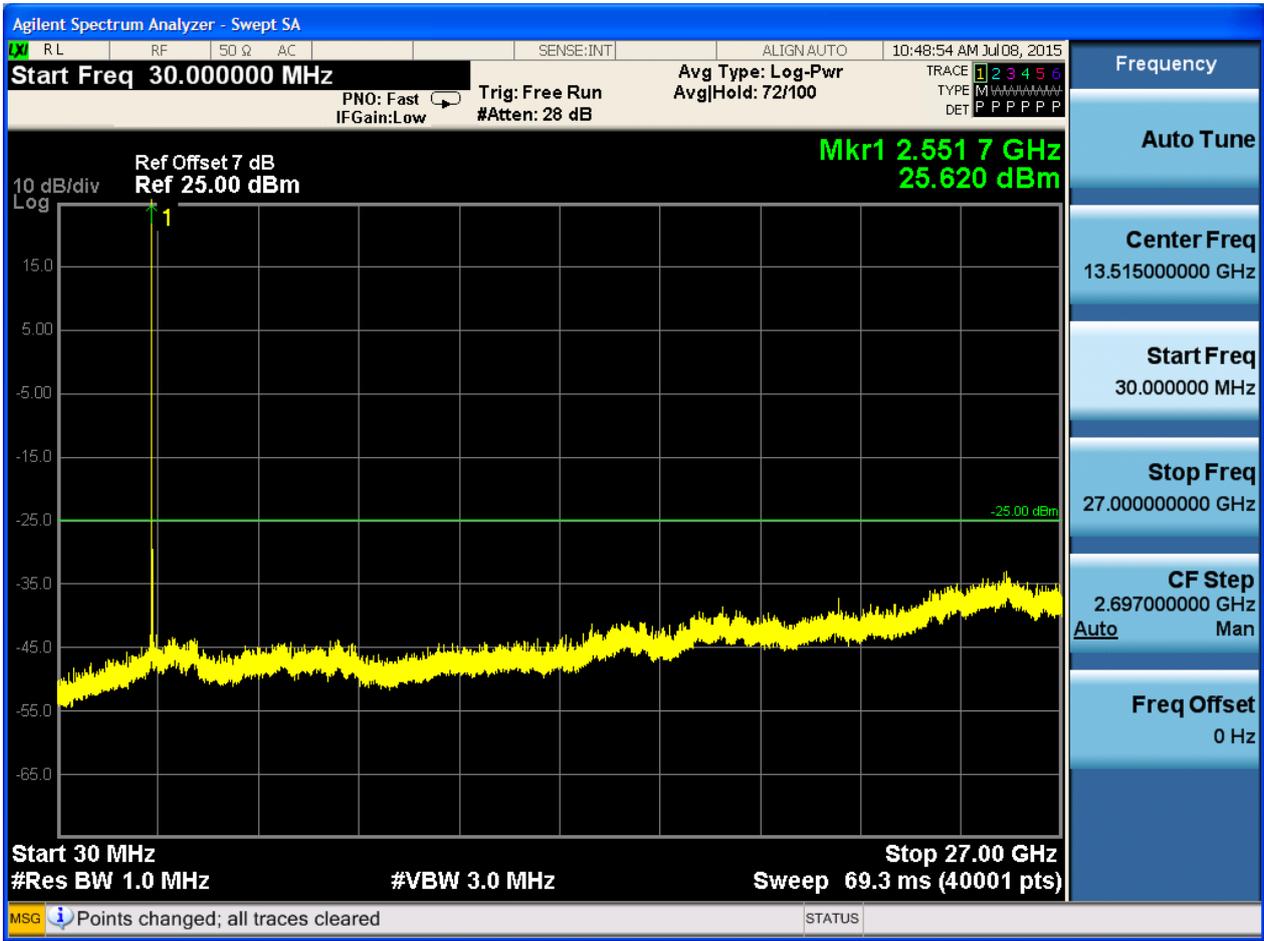
6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0











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

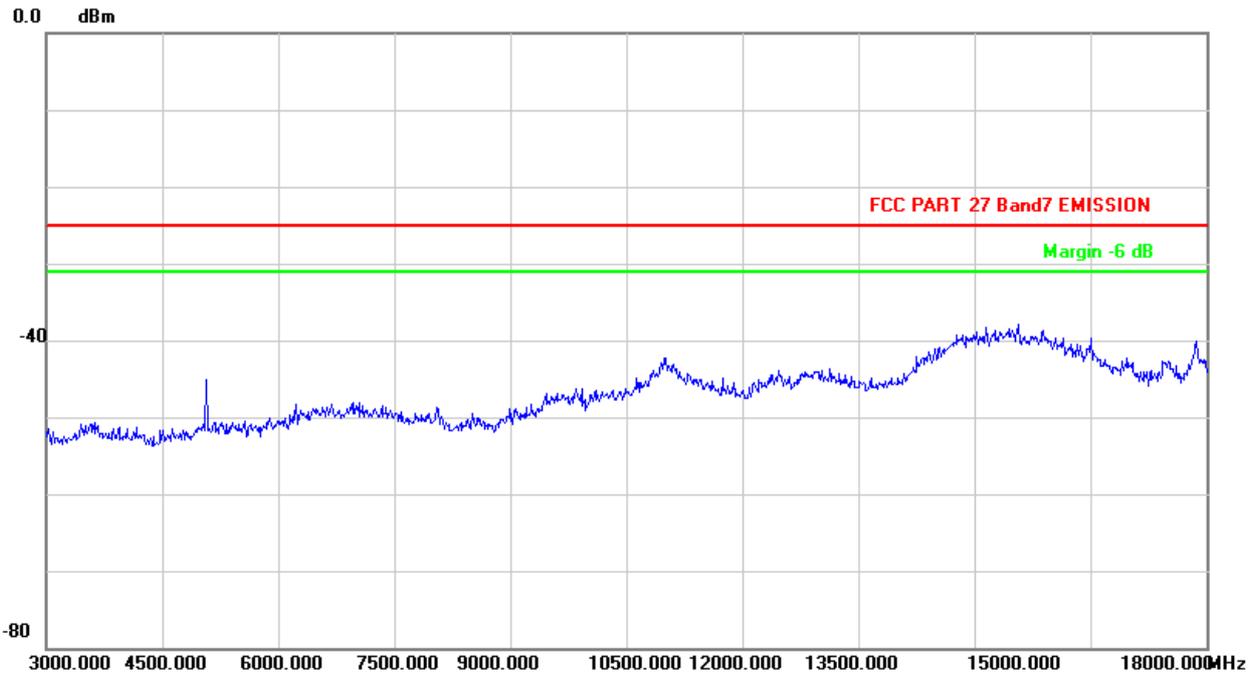
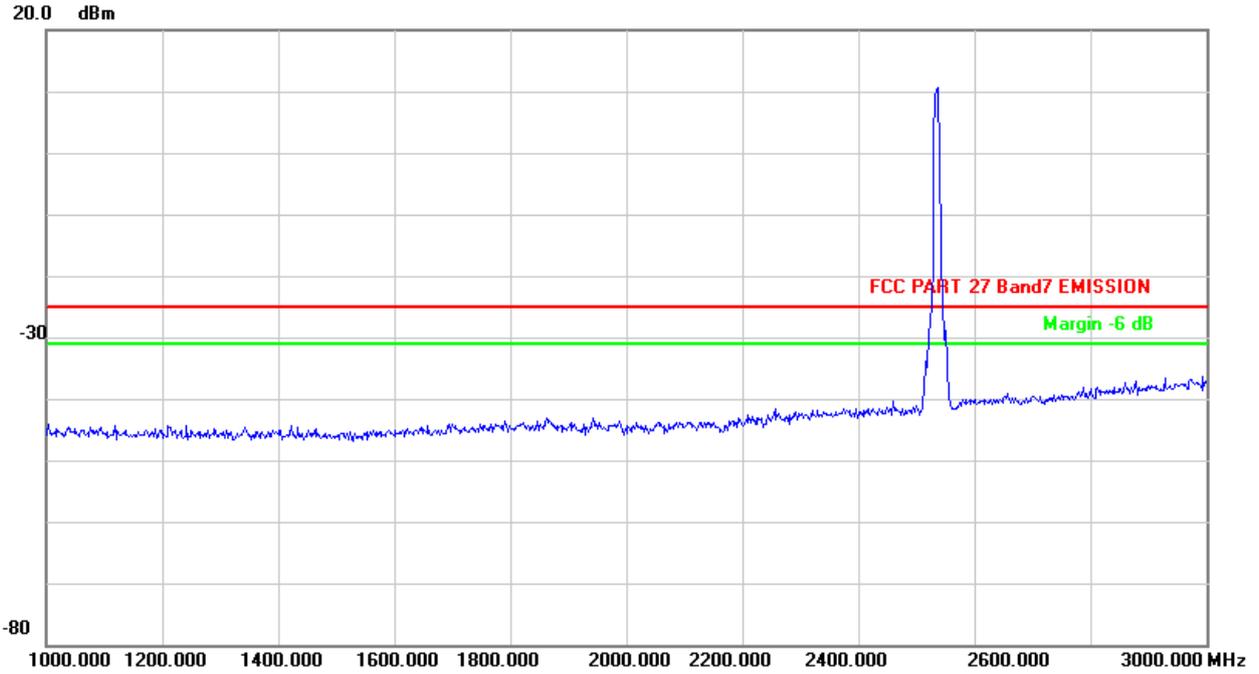
Part I - Test Plots

7.1 For LTE

7.1.1 Test Band = BAND7

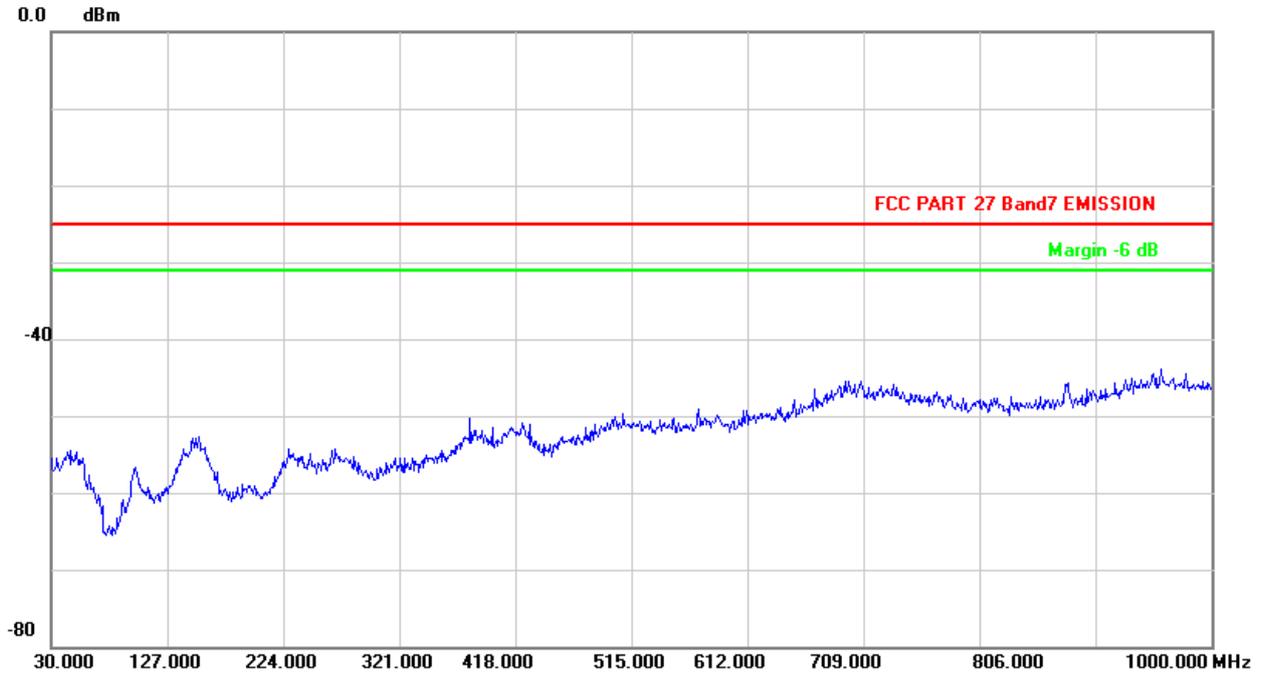
7.1.1.1 Test Bandwidth = 5

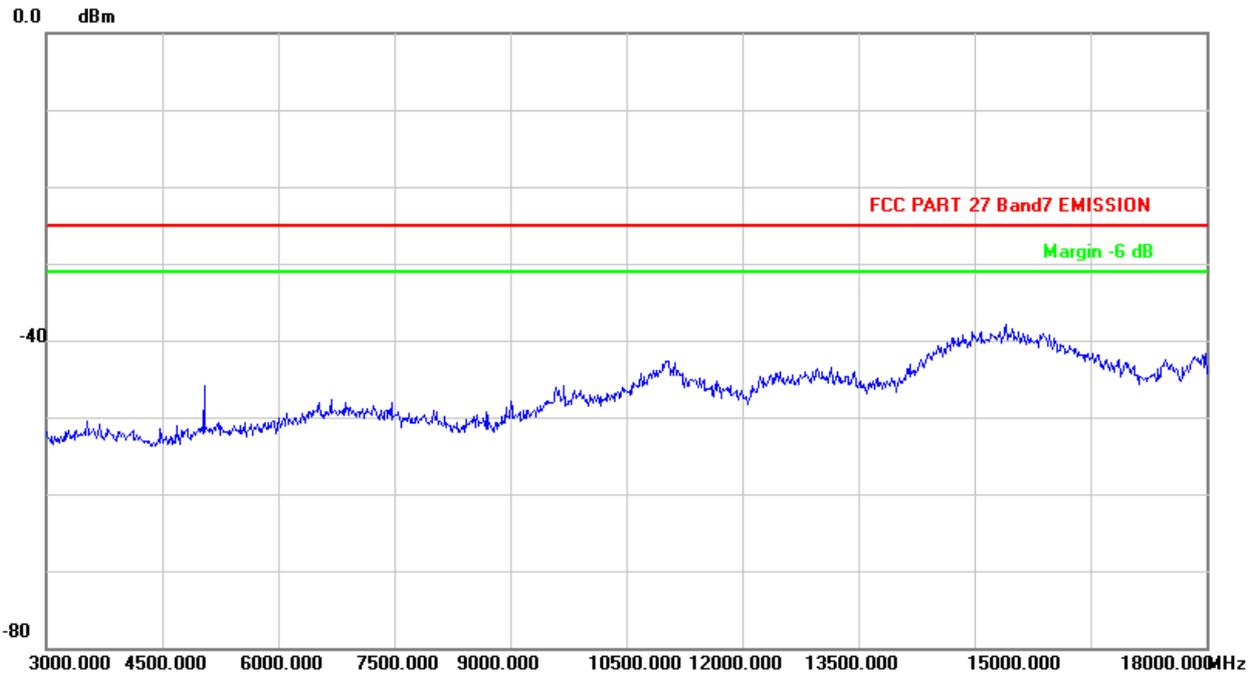
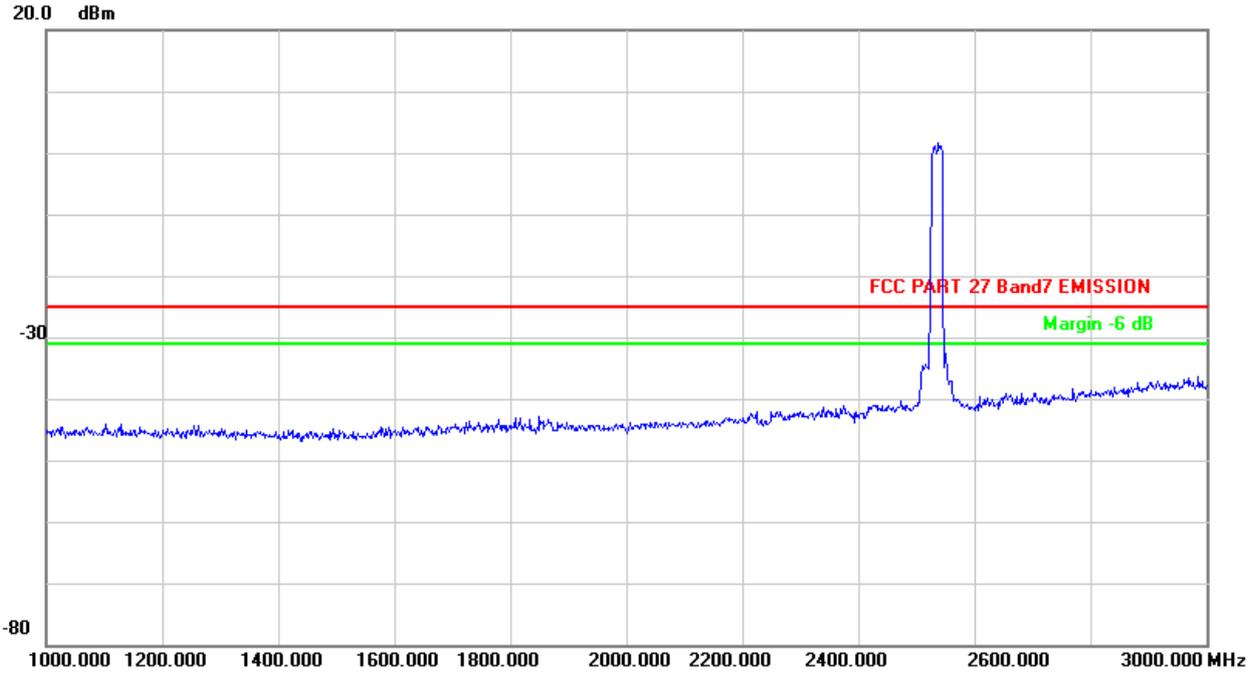


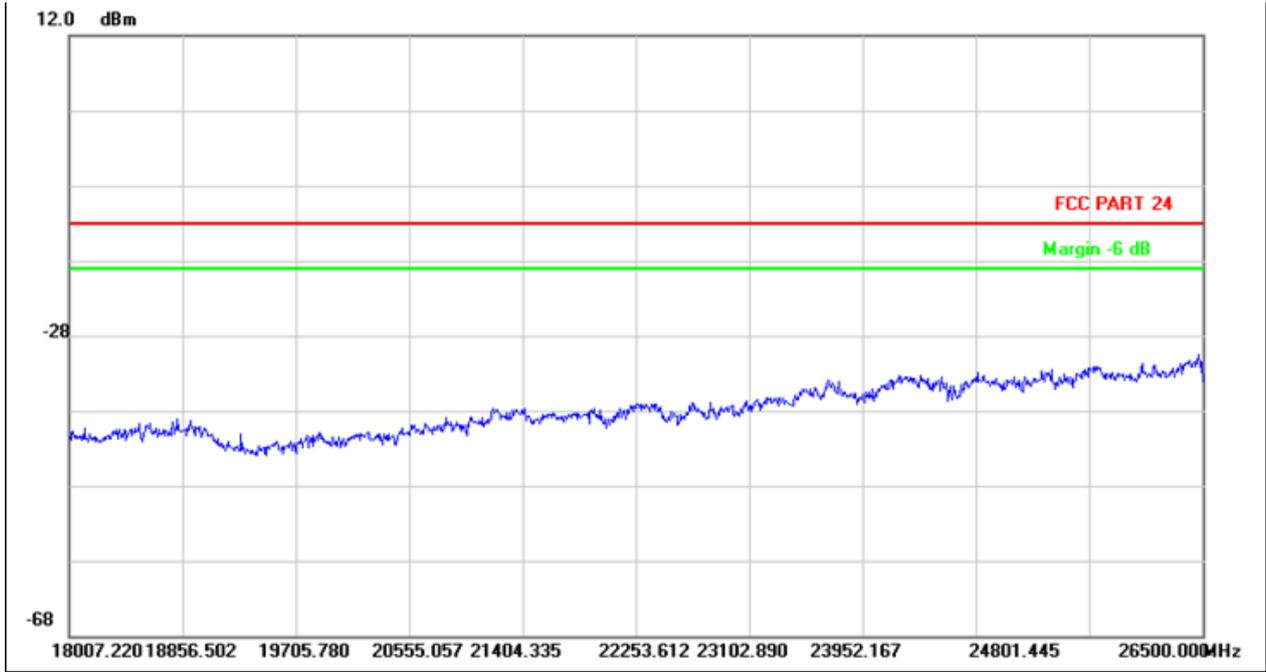




7.1.1.2 Test Bandwidth = 20









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	0.24	0.0001	PASS
					VN	-2.19	-0.00088	PASS
					VH	8.47	0.00338	PASS
			MCH	TN	VL	-14.43	-0.00569	PASS
					VN	1.03	0.00041	PASS
					VH	-6.62	-0.00261	PASS
			HCH	TN	VL	-0.73	-0.00028	PASS
					VN	-1.36	-0.00053	PASS
					VH	0.97	0.00038	PASS
		10	LCH	TN	VL	-9.31	-0.00372	PASS
					VN	1.24	0.0005	PASS
					VH	-3.42	-0.00137	PASS
			MCH	TN	VL	-2.9	-0.00114	PASS
					VN	4.46	0.00176	PASS
					VH	-2.39	-0.00094	PASS
			HCH	TN	VL	-0.69	-0.00027	PASS
					VN	8.23	0.00321	PASS
					VH	-1.14	-0.00044	PASS
		15	LCH	TN	VL	-1.57	-0.00063	PASS
					VN	-2.37	-0.00095	PASS
					VH	1.24	0.00049	PASS
			MCH	TN	VL	6.88	0.00271	PASS
					VN	0.27	0.00011	PASS
					VH	3.13	0.00123	PASS
HCH	TN		VL	7.5	0.00293	PASS		
			VN	6.44	0.00251	PASS		
			VH	-0.13	-0.00005	PASS		
20	LCH	TN	VL	1.69	0.00067	PASS		
			VN	3.26	0.0013	PASS		
			VH	3.92	0.00156	PASS		
	MCH	TN	VL	-0.34	-0.00013	PASS		
			VN	0.07	0.00003	PASS		
			VH	-4.51	-0.00178	PASS		
	HCH	TN	VL	3.06	0.0012	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	-7.5	-0.00293	PASS
					VH	-7.84	-0.00306	PASS
		5	LCH	TN	VL	2.19	0.00088	PASS
					VN	-13.1	-0.00523	PASS
					VH	5.31	0.00212	PASS
					VL	-8.5	-0.00335	PASS
			MCH	TN	VN	-9.88	-0.0039	PASS
					VH	-0.33	-0.00013	PASS
					VL	0.06	0.00002	PASS
					VN	-7.55	-0.00294	PASS
			HCH	TN	VH	-1.76	-0.00069	PASS
					VL	-5.01	-0.002	PASS
					VN	-0.14	-0.00006	PASS
					VH	3.12	0.00125	PASS
		10	LCH	TN	VL	0.56	0.00022	PASS
					VN	-6.24	-0.00246	PASS
					VH	5.29	0.00209	PASS
					VL	-2.62	-0.00102	PASS
			MCH	TN	VN	-6.55	-0.00255	PASS
					VH	-11.22	-0.00437	PASS
					VL	-8.34	-0.00333	PASS
					VN	-0.46	-0.00018	PASS
			HCH	TN	VH	-2.25	-0.0009	PASS
					VL	-0.44	-0.00017	PASS
					VN	6.22	0.00245	PASS
					VH	-0.34	-0.00013	PASS
		15	LCH	TN	VH	-9.9	-0.00386	PASS
					VN	2.49	0.00097	PASS
					VH	6.41	0.0025	PASS
					VL	-0.26	-0.0001	PASS
			MCH	TN	VN	1.32	0.00053	PASS
					VH	3.92	0.00156	PASS
					VL	0.11	0.00004	PASS
					VN	3.3	0.0013	PASS
			HCH	TN	VH	2.76	0.00109	PASS
					VL	7.62	0.00298	PASS
					VN	0.03	0.00001	PASS
					VH	3.81	0.00149	PASS
		20	LCH	TN	VH	3.81	0.00149	PASS
					VL	7.62	0.00298	PASS
					VN	0.03	0.00001	PASS
					VH	3.81	0.00149	PASS
			MCH	TN	VH	3.81	0.00149	PASS
					VL	7.62	0.00298	PASS
					VN	0.03	0.00001	PASS
					VH	3.81	0.00149	PASS
			HCH	TN	VH	3.81	0.00149	PASS
					VL	7.62	0.00298	PASS
VN	0.03				0.00001	PASS		
VH	3.81				0.00149	PASS		



8.2 For LTE

8.2.1 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	0.36	0.00014	PASS
					-20	-0.62	-0.00025	PASS
					-10	1.73	0.00069	PASS
					0	-1.9	-0.00076	PASS
					10	-1.73	-0.00069	PASS
					20	-0.53	-0.00021	PASS
					30	-4.02	-0.00161	PASS
					40	0.89	0.00036	PASS
			50	-0.19	-0.00008	PASS		
			MCH	VN	-30	0.33	0.00013	PASS
					-20	-2.53	-0.001	PASS
					-10	1.26	0.0005	PASS
					0	0.94	0.00037	PASS
					10	2.66	0.00105	PASS
		20			-0.43	-0.00017	PASS	
		30			0.79	0.00031	PASS	
		40			-0.09	-0.00004	PASS	
		50	2.16	0.00085	PASS			
		HCH	VN	-30	1.33	0.00052	PASS	
				-20	2.57	0.001	PASS	
				-10	-1.37	-0.00053	PASS	
				0	0.82	0.00032	PASS	
				10	-2.2	-0.00086	PASS	
				20	-2.37	-0.00092	PASS	
				30	1.26	0.00049	PASS	
				40	0.97	0.00038	PASS	
				50	0.03	0.00001	PASS	
				10	LCH	VN	-30	-0.5
-20	-2.22	-0.00089	PASS					
-10	-1.23	-0.00049	PASS					
0	-1.06	-0.00042	PASS					
10	-0.23	-0.00009	PASS					
20	0.46	0.00018	PASS					
30	0.76	0.0003	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	0.54	0.00022	PASS		
					50	-0.69	-0.00028	PASS		
			MCH	VN	-30	-2.8	-0.0011	PASS		
					-20	-0.2	-0.00008	PASS		
					-10	-0.26	-0.0001	PASS		
					0	2.07	0.00082	PASS		
					10	-2.17	-0.00086	PASS		
					20	-1.33	-0.00052	PASS		
					30	-0.83	-0.00033	PASS		
					40	0.94	0.00037	PASS		
			50	-5.21	-0.00206	PASS				
			HCH	VN	-30	-0.43	-0.00017	PASS		
					-20	2.32	0.0009	PASS		
					-10	-0.51	-0.0002	PASS		
					0	-0.06	-0.00002	PASS		
					10	-1.65	-0.00064	PASS		
					20	-0.24	-0.00009	PASS		
					30	2.12	0.00083	PASS		
					40	-0.87	-0.00034	PASS		
			15			LCH	VN	-30	1.17	0.00047
		-20						-1.75	-0.0007	PASS
		-10						0.16	0.00006	PASS
		0						1.97	0.00079	PASS
		10						1.22	0.00049	PASS
		20						0.13	0.00005	PASS
		30						-1.76	-0.0007	PASS
		40						1.23	0.00049	PASS
		50						0.64	0.00026	PASS
										MCH
			-20	-1.57	-0.00062	PASS				
			-10	2.02	0.0008	PASS				
			0	2.6	0.00103	PASS				
			10	0.3	0.00012	PASS				
			20	0.64	0.00025	PASS				
			30	0.41	0.00016	PASS				
			40	0.72	0.00028	PASS				
			50	-0.31	-0.00012	PASS				
						HCH	VN			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20	LCH	VN	-20	0.51	0.0002	PASS
					-10	-1.87	-0.00073	PASS
					0	-1.57	-0.00061	PASS
					10	1.37	0.00053	PASS
					20	0.54	0.00021	PASS
					30	1.22	0.00048	PASS
					40	-0.73	-0.00028	PASS
					50	-0.1	-0.00004	PASS
			MCH	VN	-30	-0.51	-0.0002	PASS
					-20	-0.56	-0.00022	PASS
					-10	-0.94	-0.00037	PASS
					0	-0.92	-0.00037	PASS
					10	1.34	0.00053	PASS
					20	0.23	0.00009	PASS
					30	-1.37	-0.00055	PASS
					40	-0.64	-0.00025	PASS
		HCH	VN	-30	0.16	0.00006	PASS	
				-20	-0.9	-0.00036	PASS	
				-10	-2.03	-0.0008	PASS	
				0	-0.89	-0.00035	PASS	
				10	0.99	0.00039	PASS	
				20	-0.73	-0.00029	PASS	
				30	1	0.00039	PASS	
				40	0.26	0.0001	PASS	
		LCH	VN	-30	-0.16	-0.00006	PASS	
				-20	-1.52	-0.00059	PASS	
				-10	-0.7	-0.00027	PASS	
				0	-0.84	-0.00033	PASS	
				10	-0.16	-0.00006	PASS	
				20	-1.54	-0.0006	PASS	
				30	-0.36	-0.00014	PASS	
				40	-2.3	-0.0009	PASS	
	50	0.21	0.00008	PASS				
	LTE/TM2	5	LCH	VN	-30	-1.7	-0.00068	PASS
					-20	2.9	0.00116	PASS
					-10	0.86	0.00034	PASS
					0	-0.82	-0.00033	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.29	-0.00052	PASS
					20	-2.85	-0.00114	PASS
					30	-0.8	-0.00032	PASS
					40	-0.11	-0.00004	PASS
					50	-0.96	-0.00038	PASS
			MCH	VN	-30	-3.83	-0.00151	PASS
					-20	-1.03	-0.00041	PASS
					-10	0.5	0.0002	PASS
					0	-0.11	-0.00004	PASS
					10	-0.44	-0.00017	PASS
					20	0.31	0.00012	PASS
					30	-2.22	-0.00088	PASS
					40	3.05	0.0012	PASS
					50	-3.98	-0.00157	PASS
					HCH	VN	-30	0.53
			-20	-1.89			-0.00074	PASS
			-10	-0.57			-0.00022	PASS
			0	1.43			0.00056	PASS
			10	-2.3			-0.0009	PASS
			20	-0.6			-0.00023	PASS
		30	-3.08	-0.0012			PASS	
		40	-0.4	-0.00016			PASS	
		10	LCH	VN	-30	1.37	0.00055	PASS
					-20	1.89	0.00075	PASS
					-10	1.7	0.00068	PASS
					0	-3.19	-0.00127	PASS
					10	1.43	0.00057	PASS
					20	1.16	0.00046	PASS
					30	0.86	0.00034	PASS
					40	0.77	0.00031	PASS
			MCH	VN	-30	-2.45	-0.00097	PASS
					-20	0.5	0.0002	PASS
					-10	-2.85	-0.00112	PASS
					0	0.24	0.00009	PASS
					10	0.34	0.00013	PASS
					20	1.93	0.00076	PASS
30	-0.13				-0.00005	PASS		
50	0.96				0.00037	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	1.47	0.00058	PASS
					50	-1.03	-0.00041	PASS
			HCH	VN	-30	0.63	0.00025	PASS
					-20	1.42	0.00055	PASS
					-10	-0.72	-0.00028	PASS
					0	-0.34	-0.00013	PASS
					10	4.03	0.00157	PASS
					20	-1.75	-0.00068	PASS
					30	2.53	0.00099	PASS
					40	3.02	0.00118	PASS
		50	-0.43	-0.00017	PASS			
		15	LCH	VN	-30	0.37	0.00015	PASS
					-20	0.37	0.00015	PASS
					-10	-0.49	-0.0002	PASS
					0	0.09	0.00004	PASS
					10	-0.59	-0.00024	PASS
					20	1.75	0.0007	PASS
					30	-1.12	-0.00045	PASS
					40	1.44	0.00057	PASS
			50	-0.73	-0.00029	PASS		
			MCH	VN	-30	-0.59	-0.00023	PASS
					-20	-2.32	-0.00092	PASS
					-10	-1.53	-0.0006	PASS
					0	0.4	0.00016	PASS
					10	-0.89	-0.00035	PASS
					20	-1.03	-0.00041	PASS
					30	0.3	0.00012	PASS
					40	-1	-0.00039	PASS
			50	1.76	0.00069	PASS		
		HCH	VN	-30	0.24	0.00009	PASS	
				-20	-1.19	-0.00046	PASS	
				-10	-2.45	-0.00096	PASS	
				0	-1.65	-0.00064	PASS	
				10	-2.42	-0.00094	PASS	
				20	0.87	0.00034	PASS	
				30	0.86	0.00034	PASS	
				40	0.47	0.00018	PASS	
		50	-1.53	-0.0006	PASS			
		20	LCH	VN	-30	-0.51	-0.0002	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	0.6	0.00024	PASS
					-10	-1.9	-0.00076	PASS
					0	-3.82	-0.00152	PASS
					10	-0.56	-0.00022	PASS
					20	-0.31	-0.00012	PASS
					30	0.5	0.0002	PASS
					40	0.1	0.00004	PASS
					50	0.47	0.00019	PASS
			MCH	VN	-30	0.21	0.00008	PASS
					-20	-0.49	-0.00019	PASS
					-10	2.1	0.00083	PASS
					0	-0.27	-0.00011	PASS
					10	-0.7	-0.00028	PASS
					20	-2.26	-0.00089	PASS
					30	-0.92	-0.00036	PASS
					40	0.01	0	PASS
			HCH	VN	-30	-1.37	-0.00054	PASS
					-20	-0.26	-0.0001	PASS
					-10	-0.67	-0.00026	PASS
					0	-1.8	-0.0007	PASS
					10	-0.49	-0.00019	PASS
					20	0.33	0.00013	PASS
					30	1.34	0.00052	PASS
					40	-0.83	-0.00032	PASS
					50	-0.89	-0.00035	PASS

END