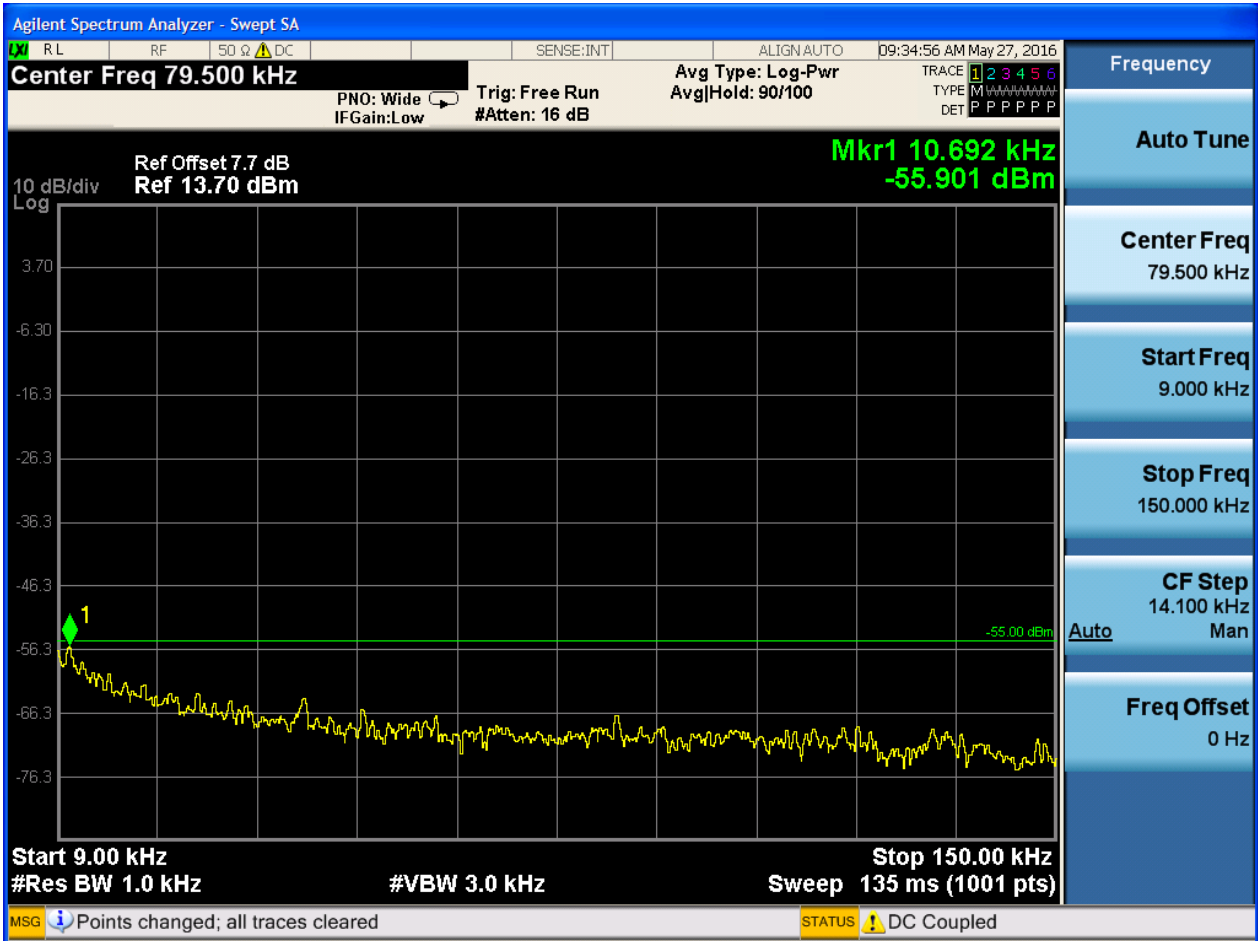
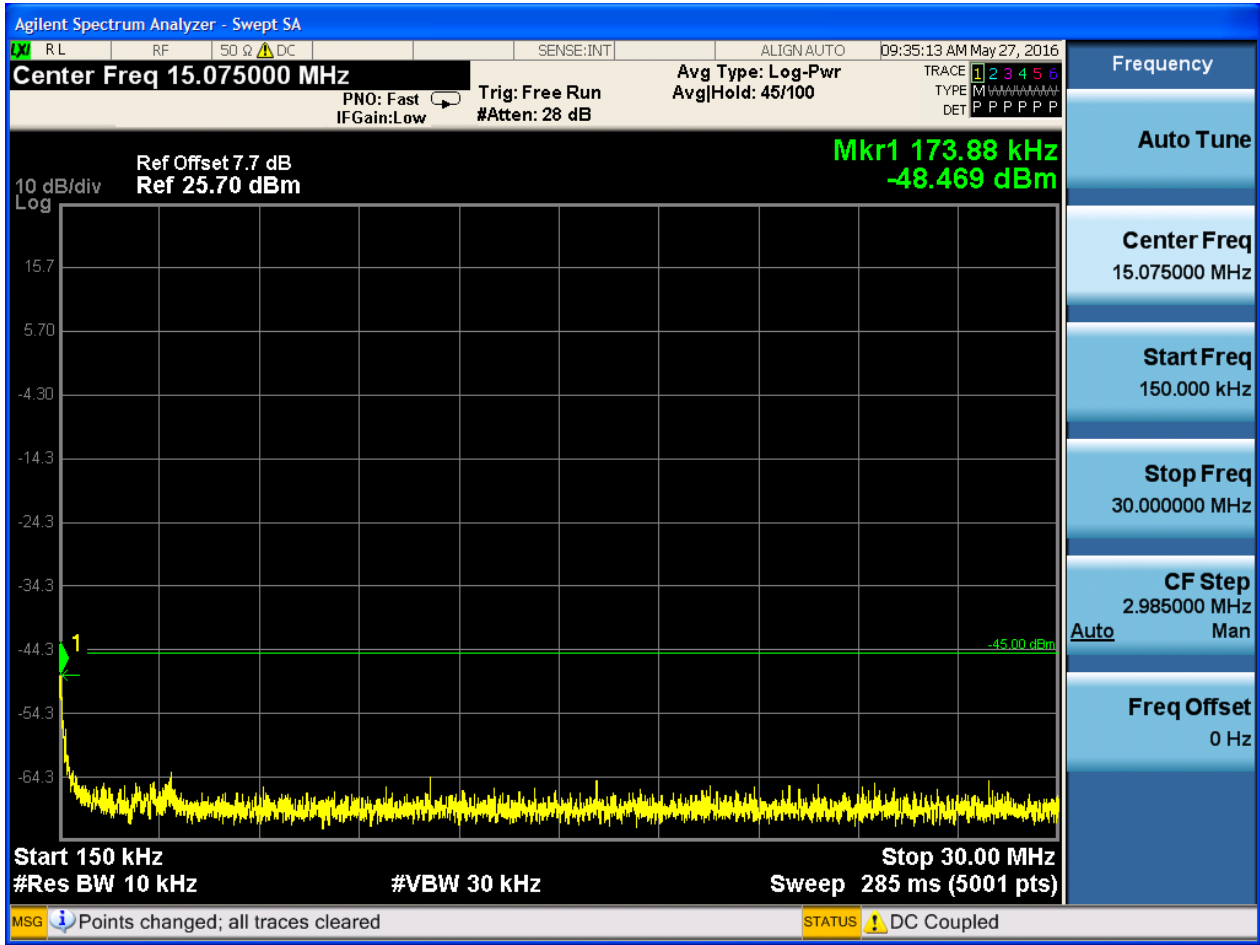


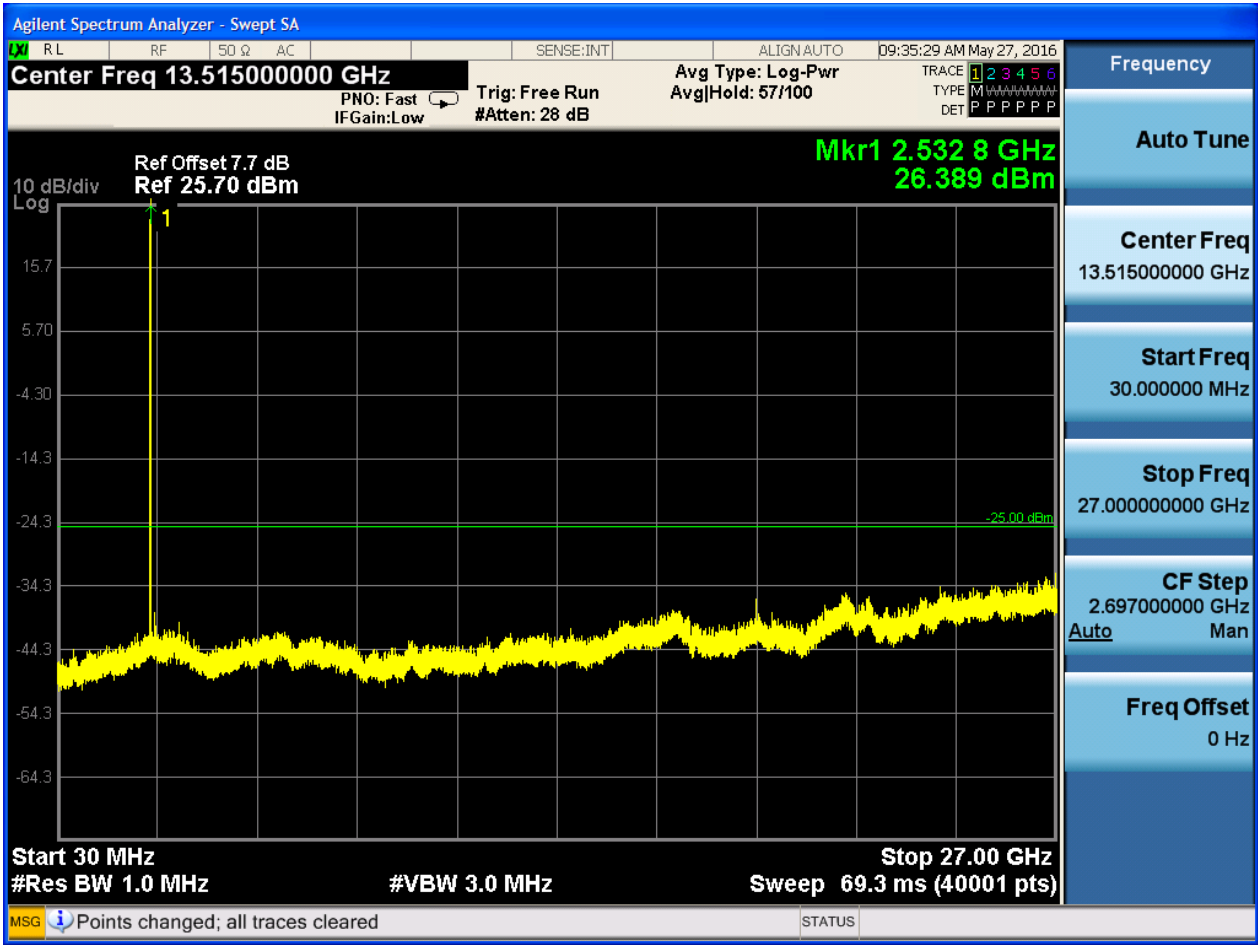


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



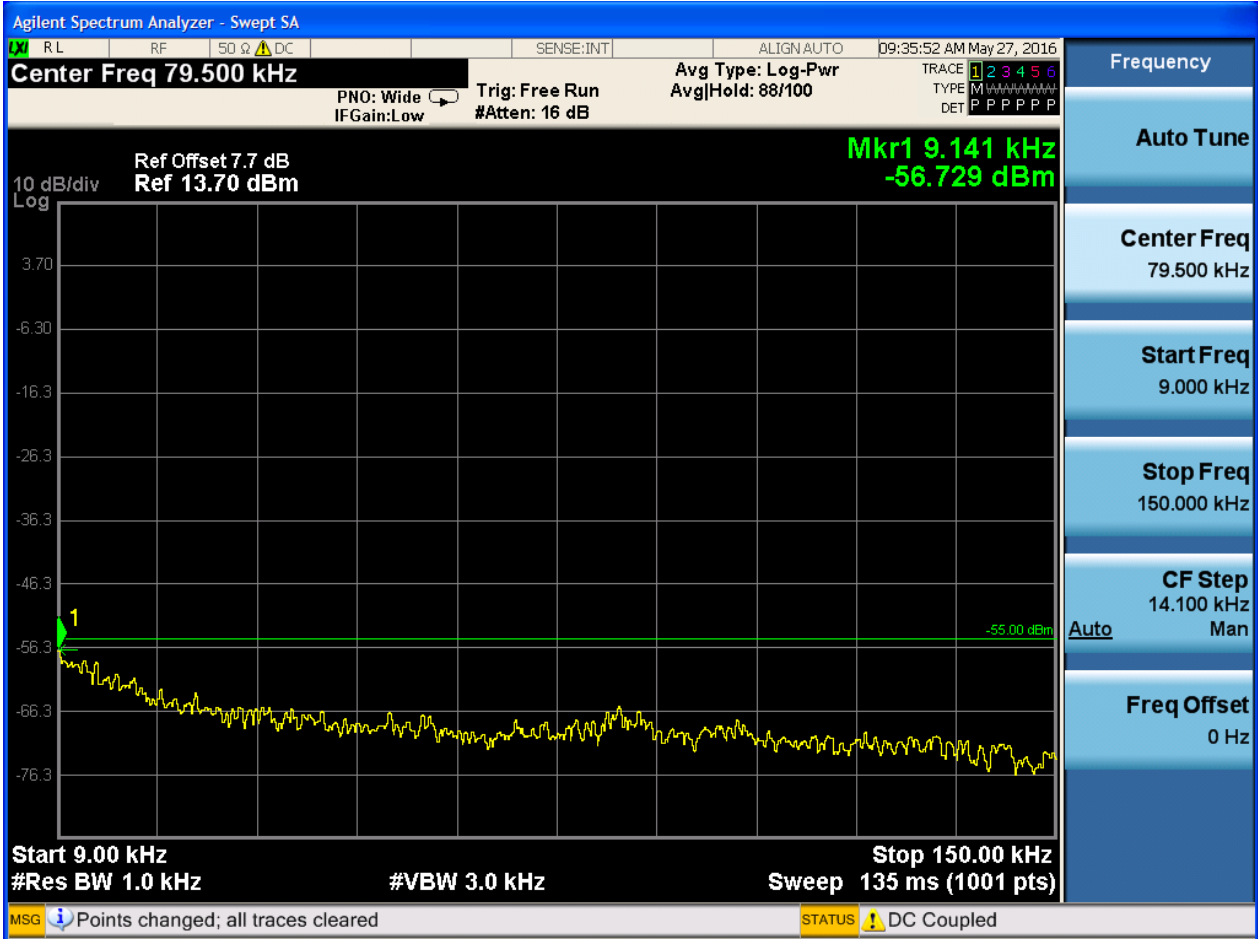


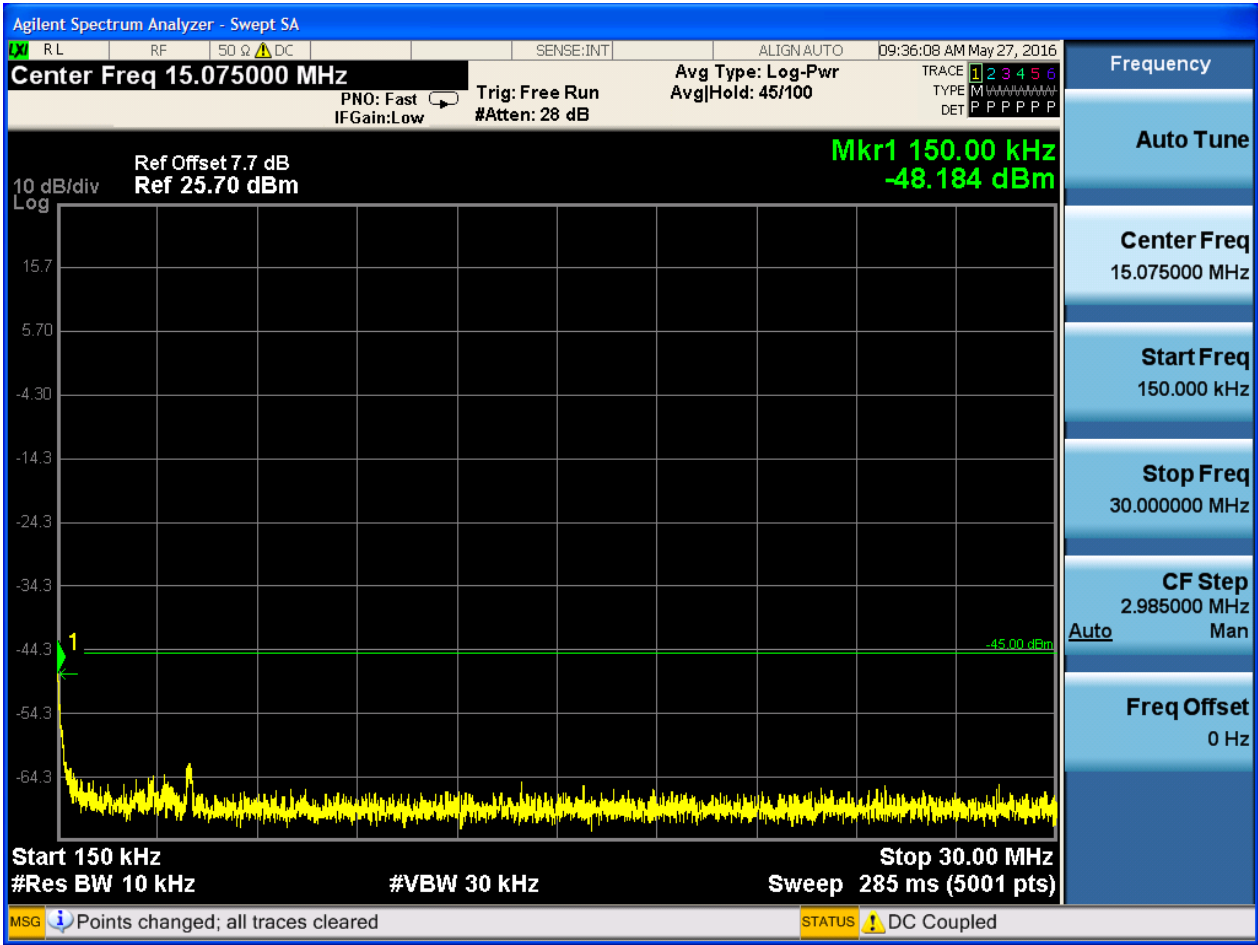




6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





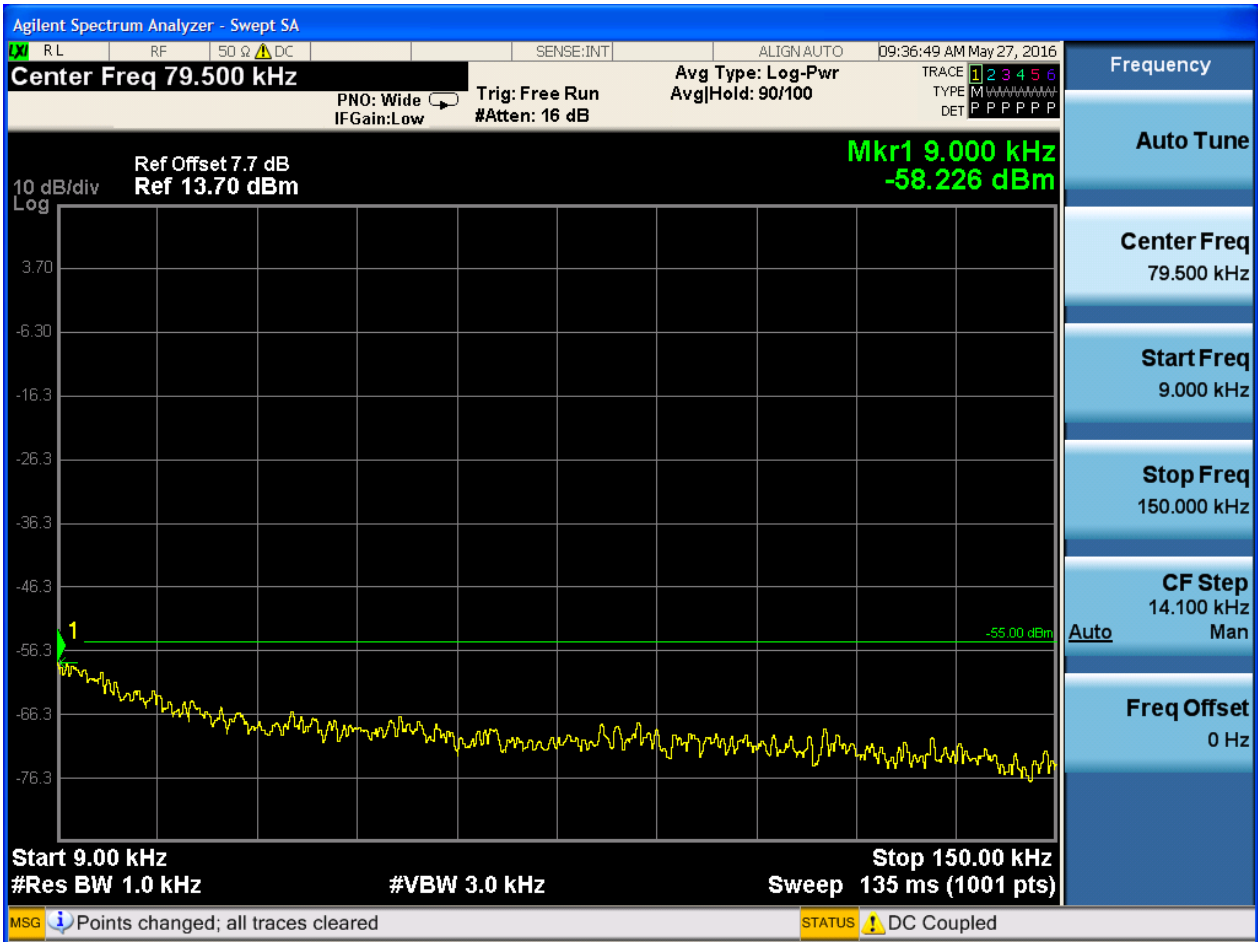


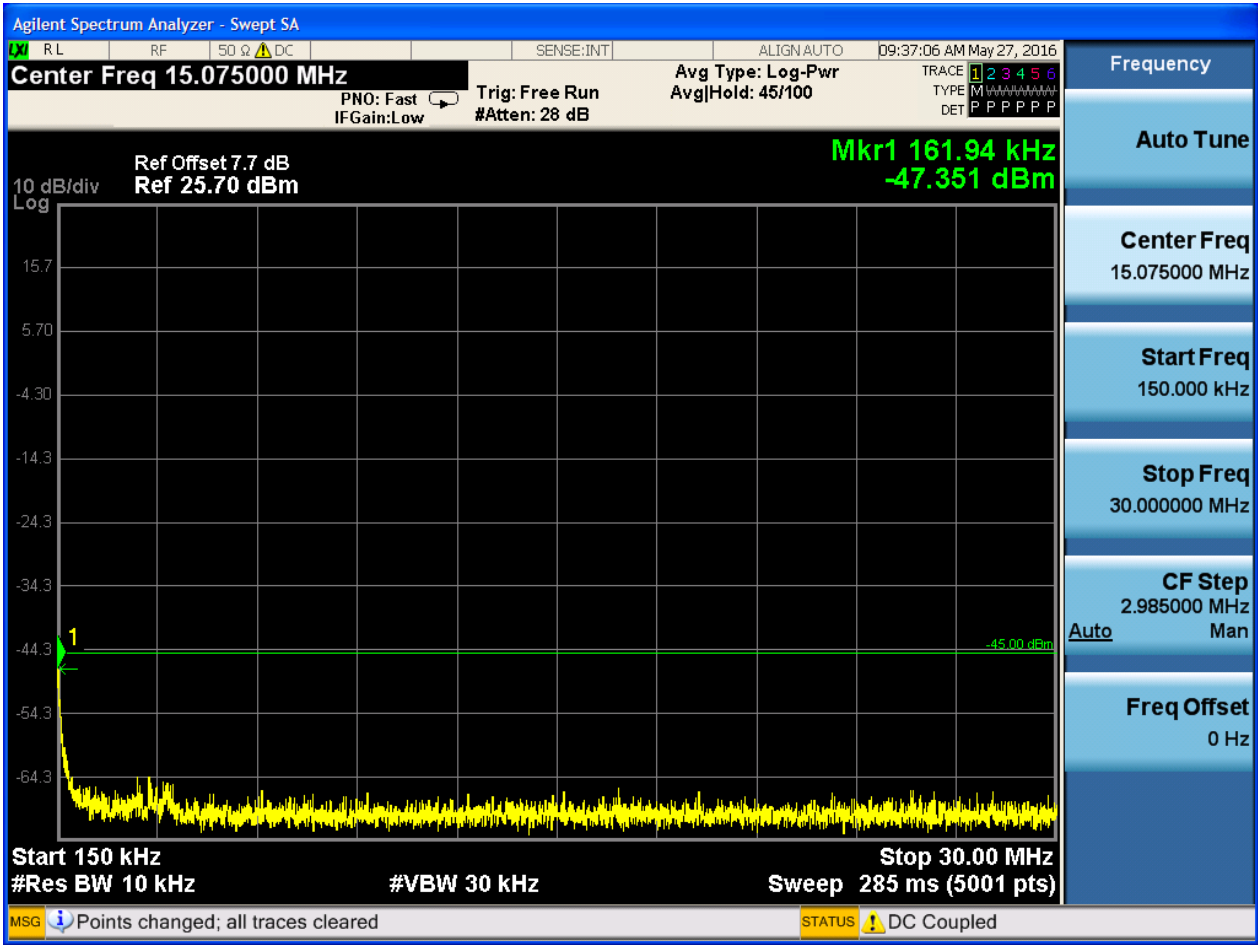


6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



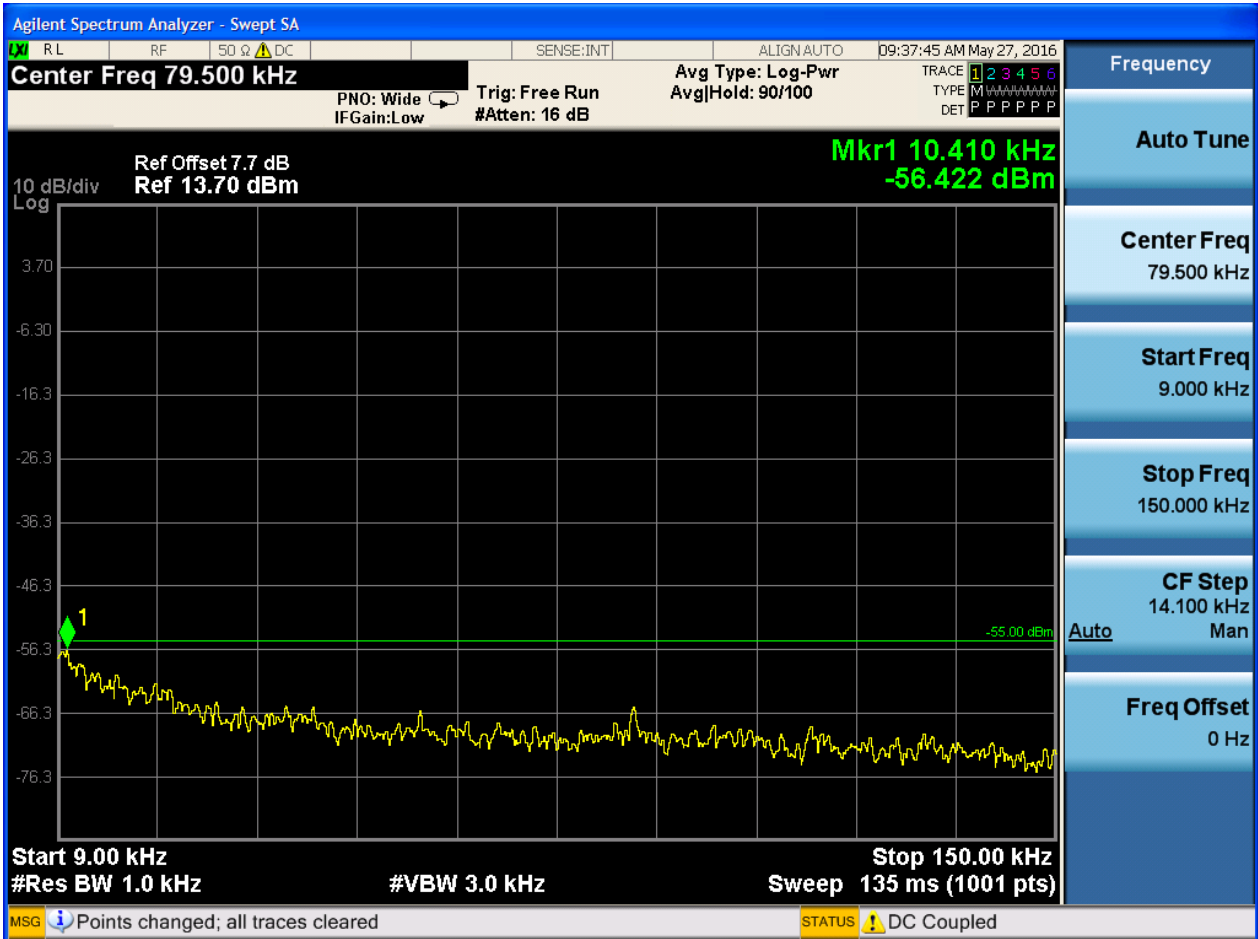


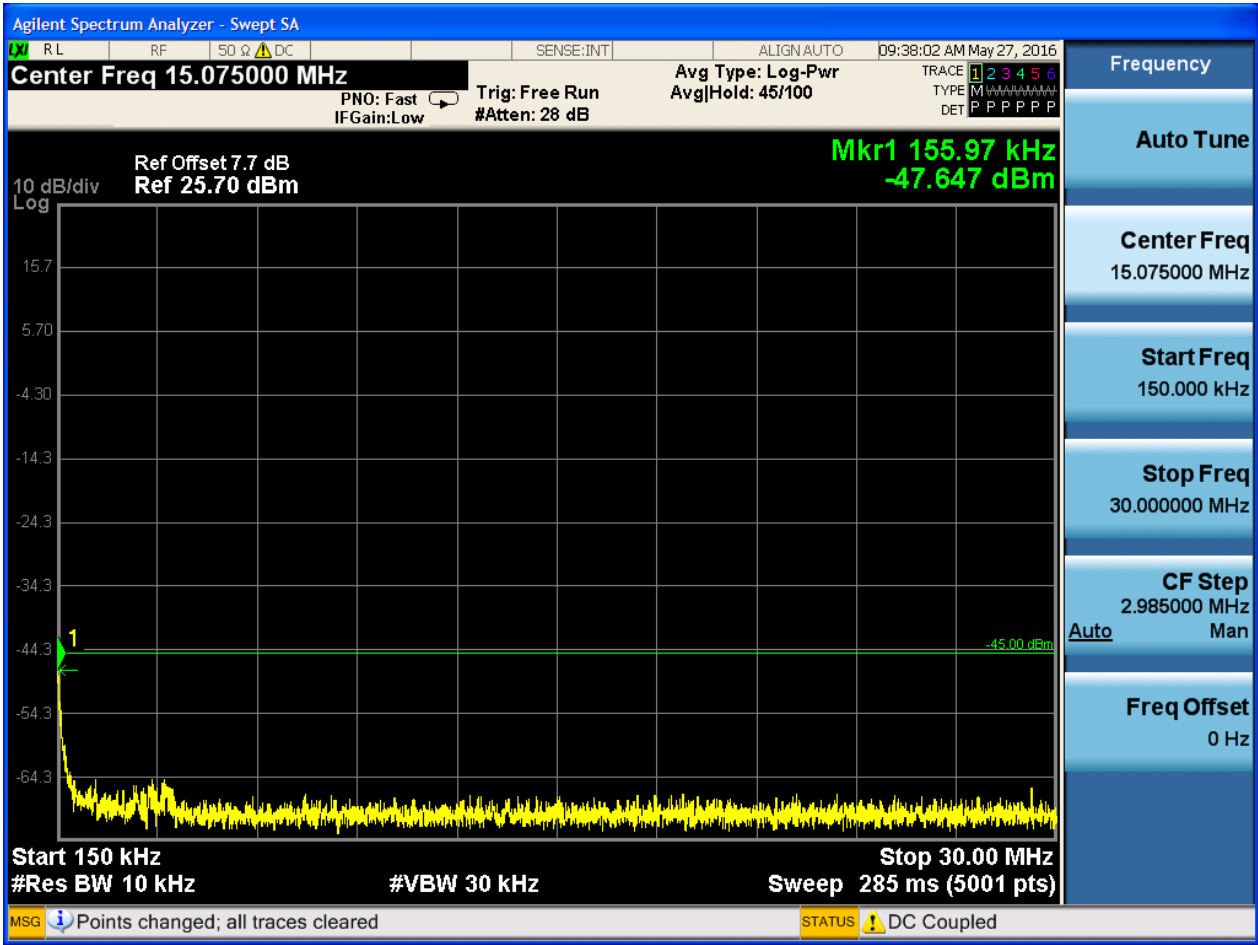




6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0





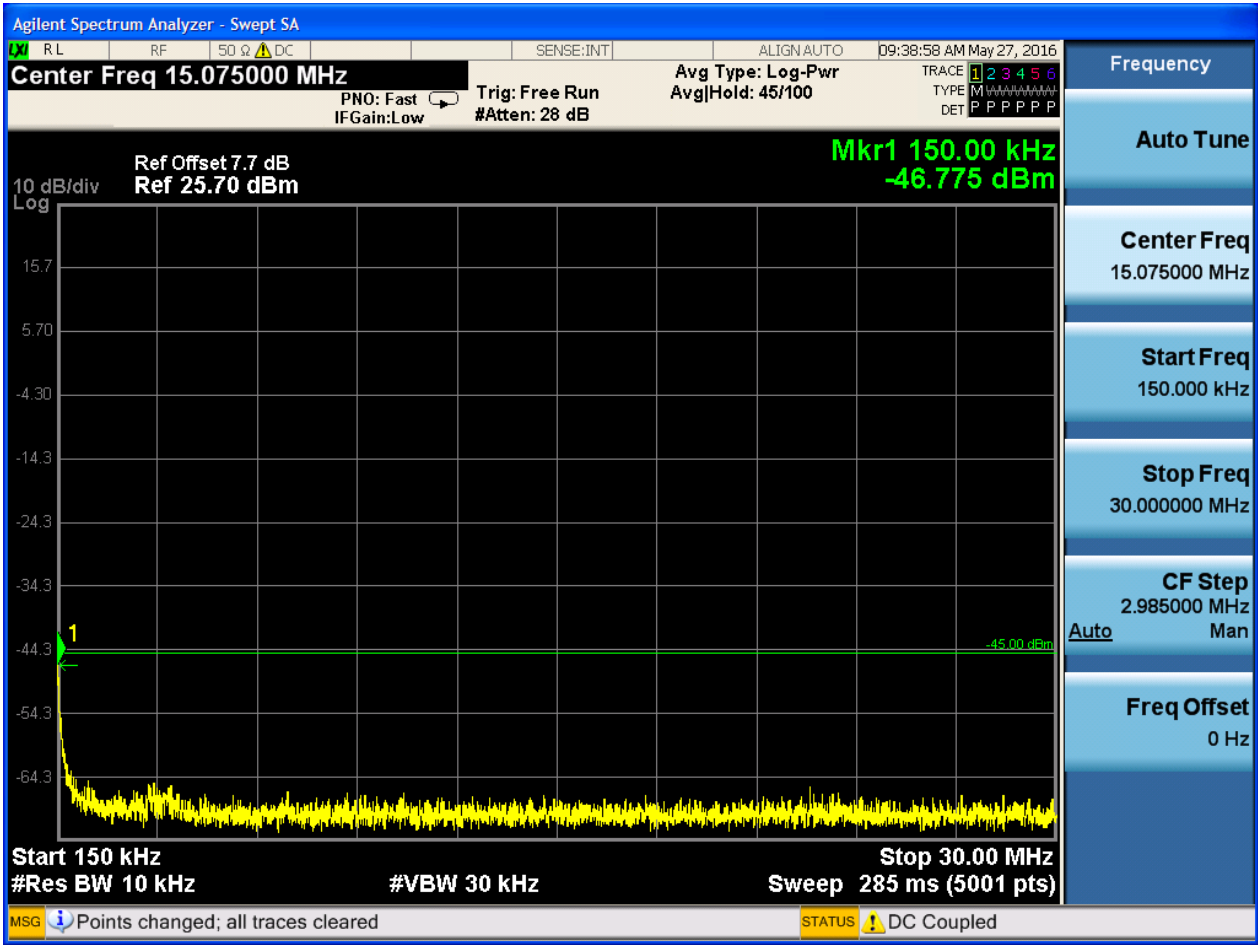


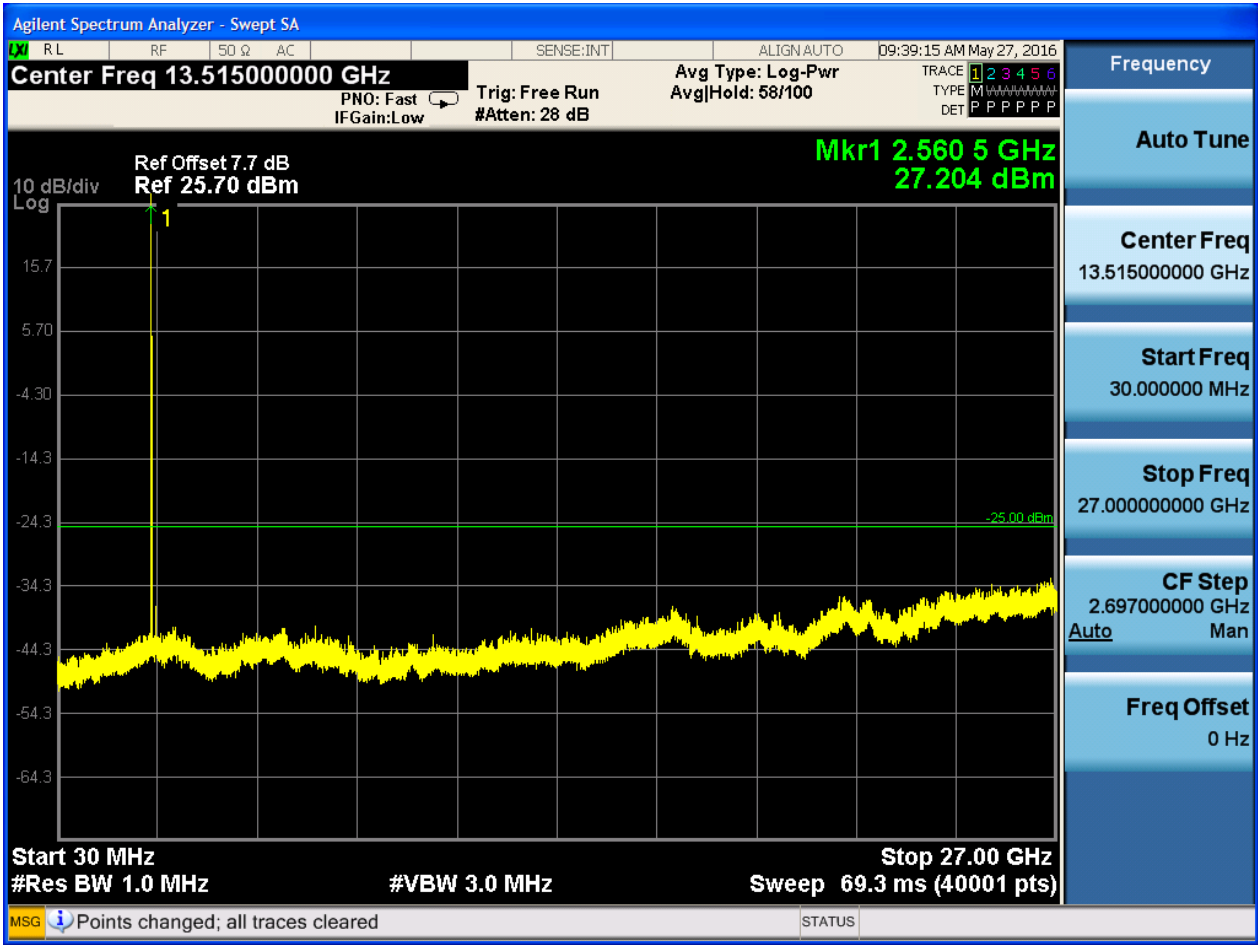


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





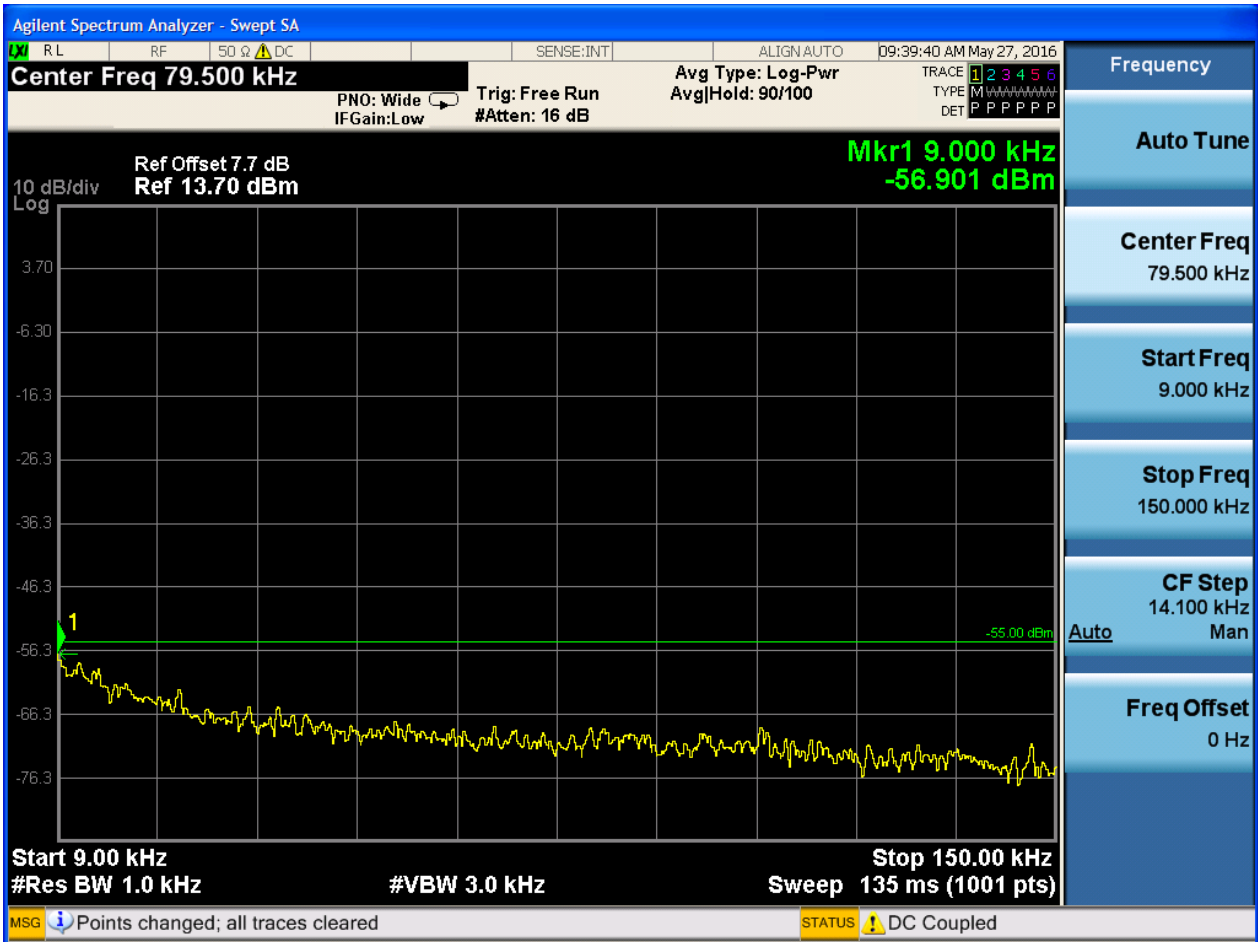


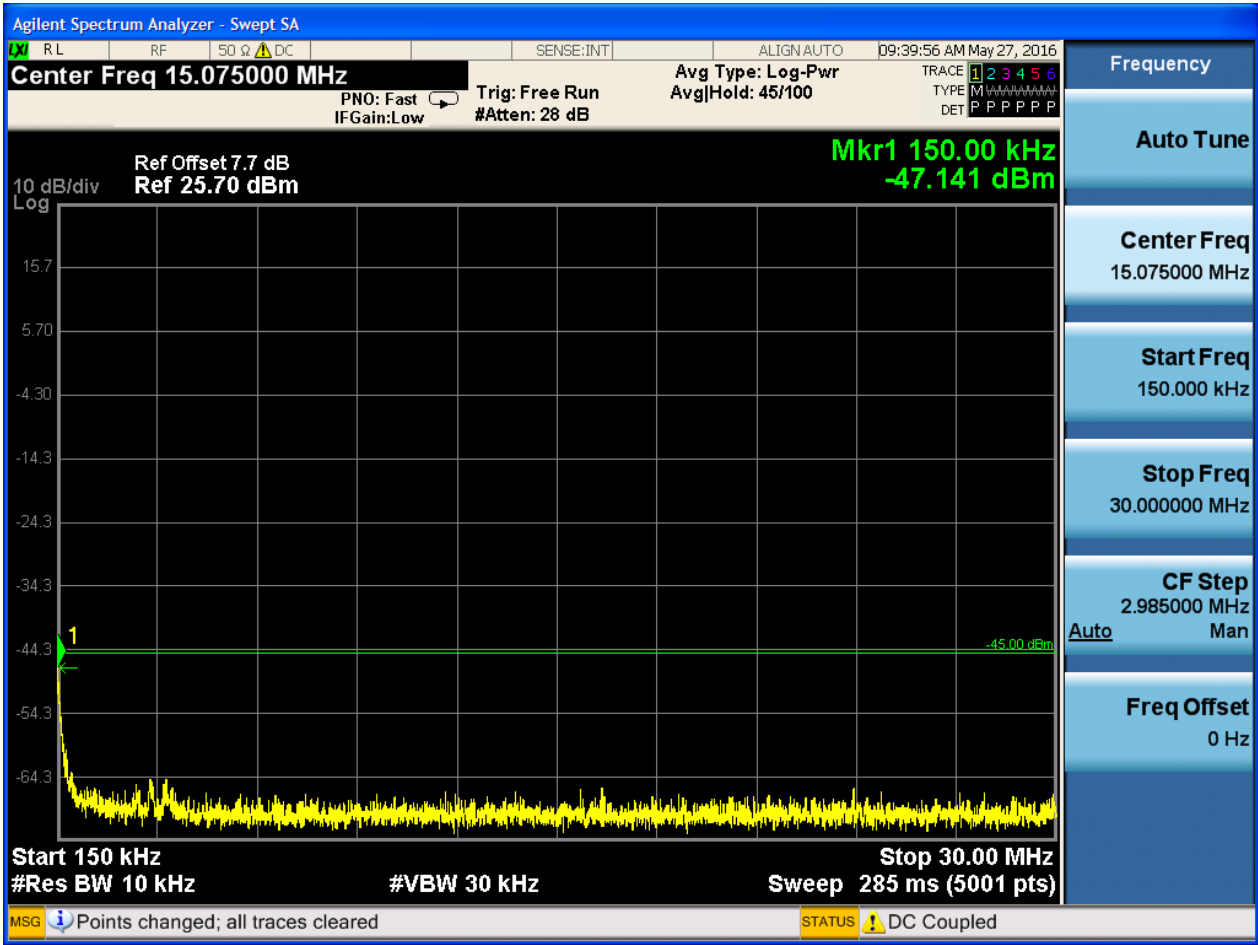


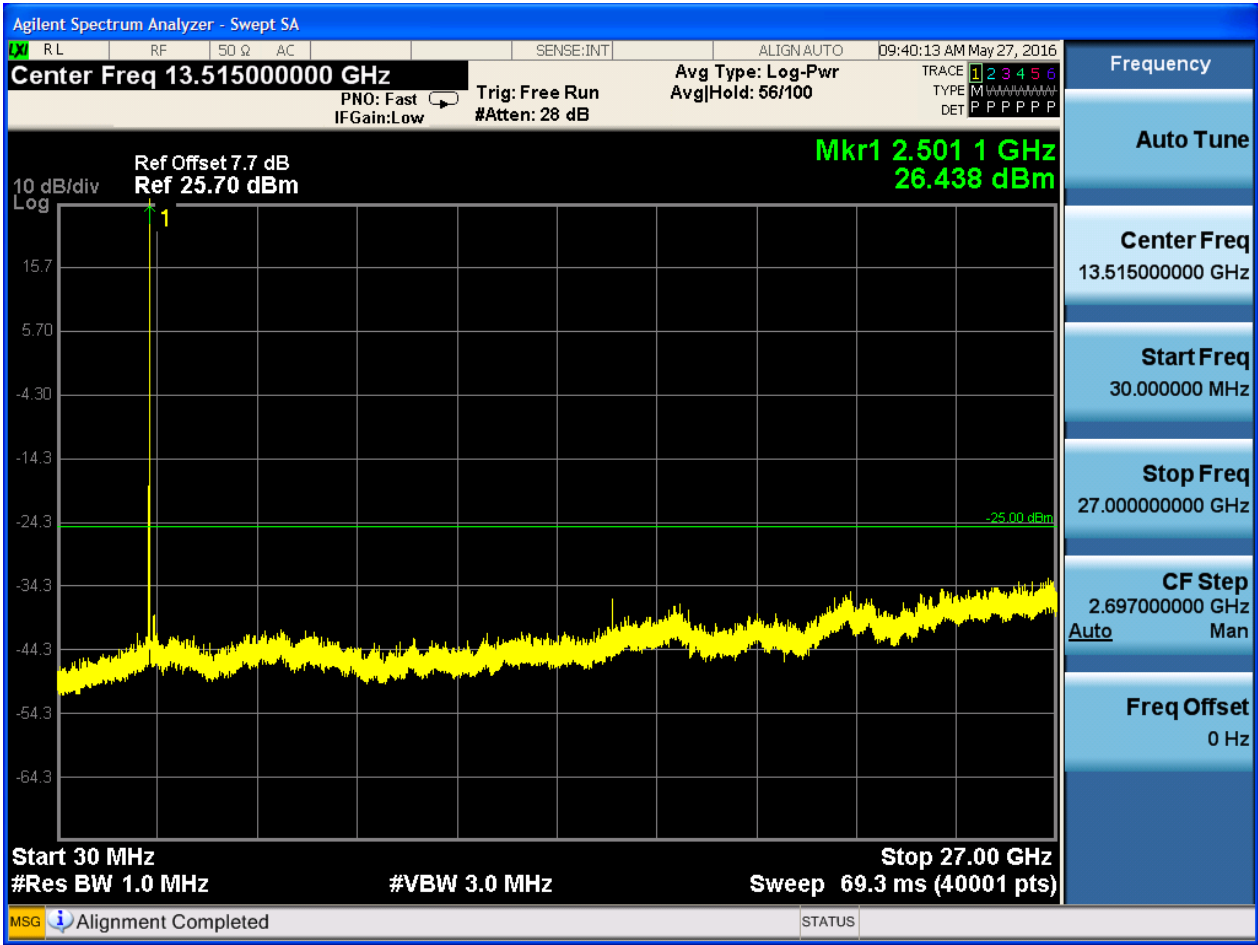
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



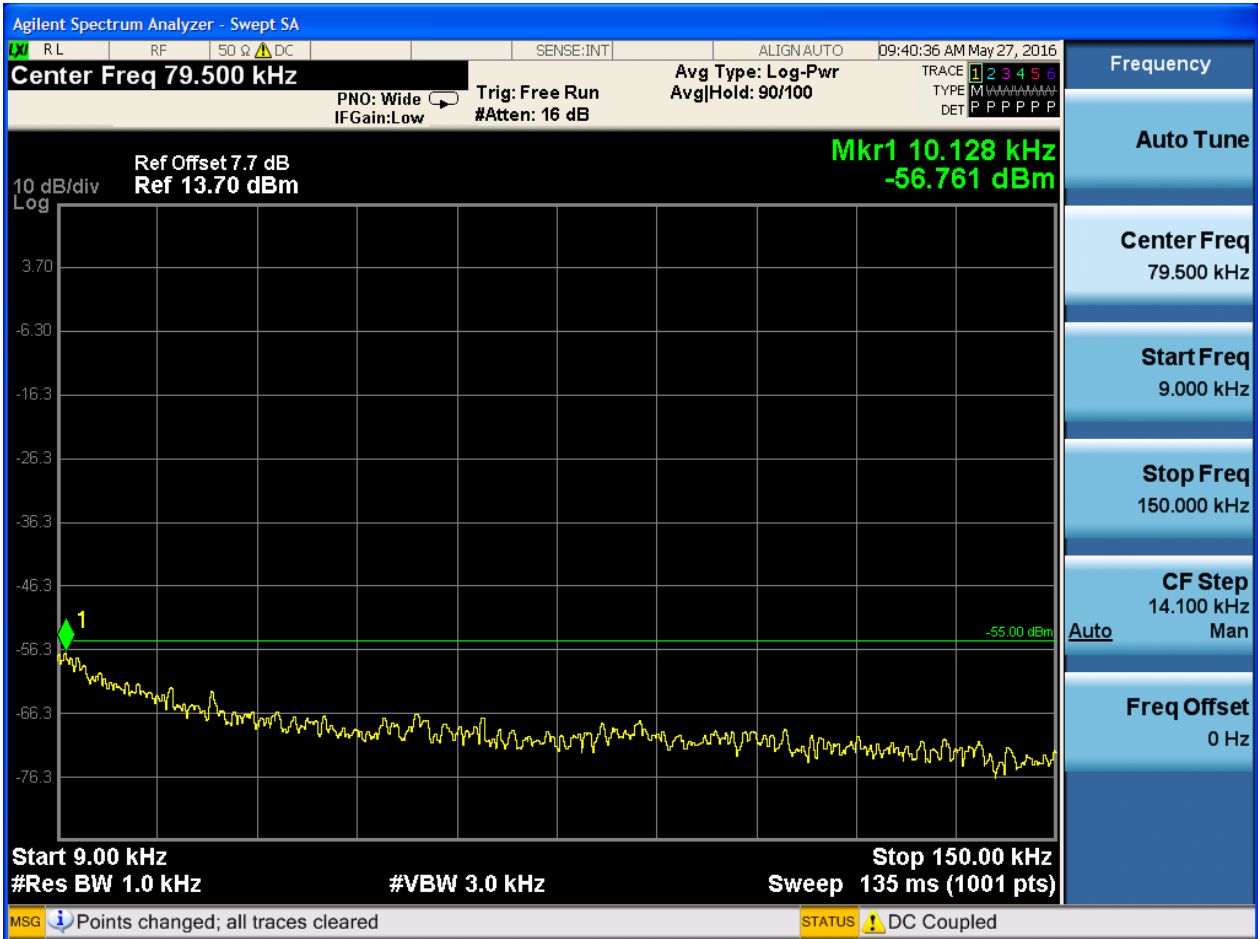


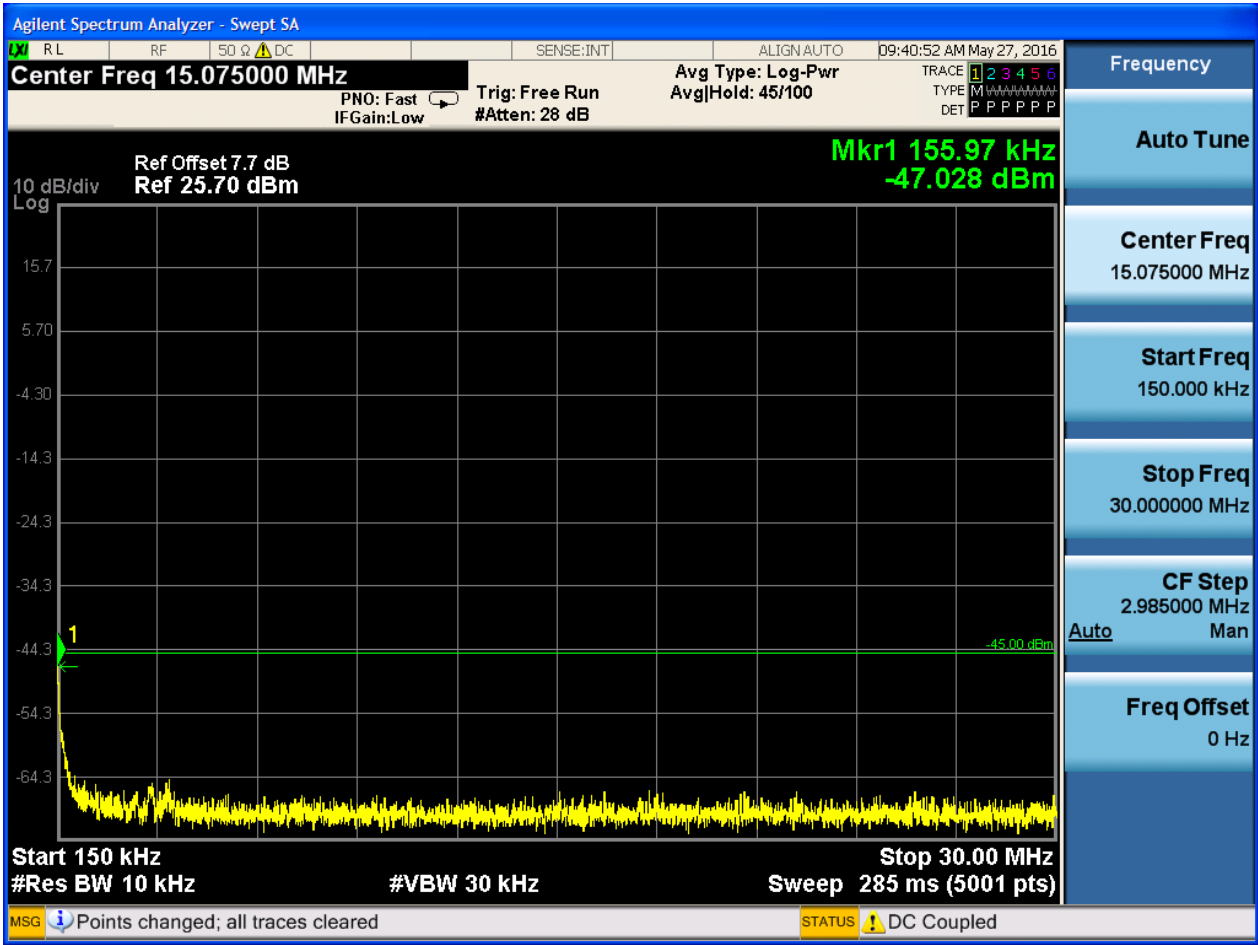


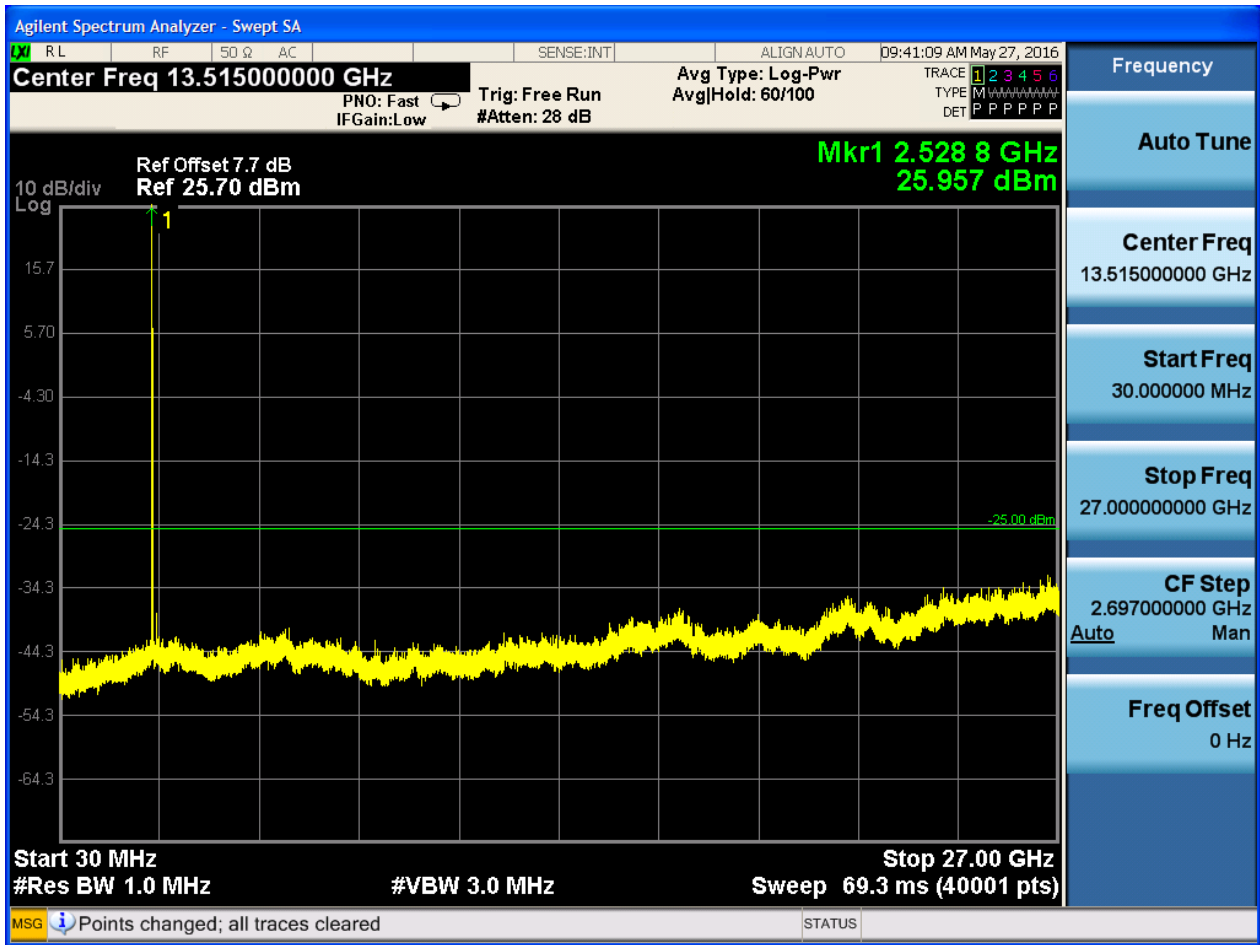


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



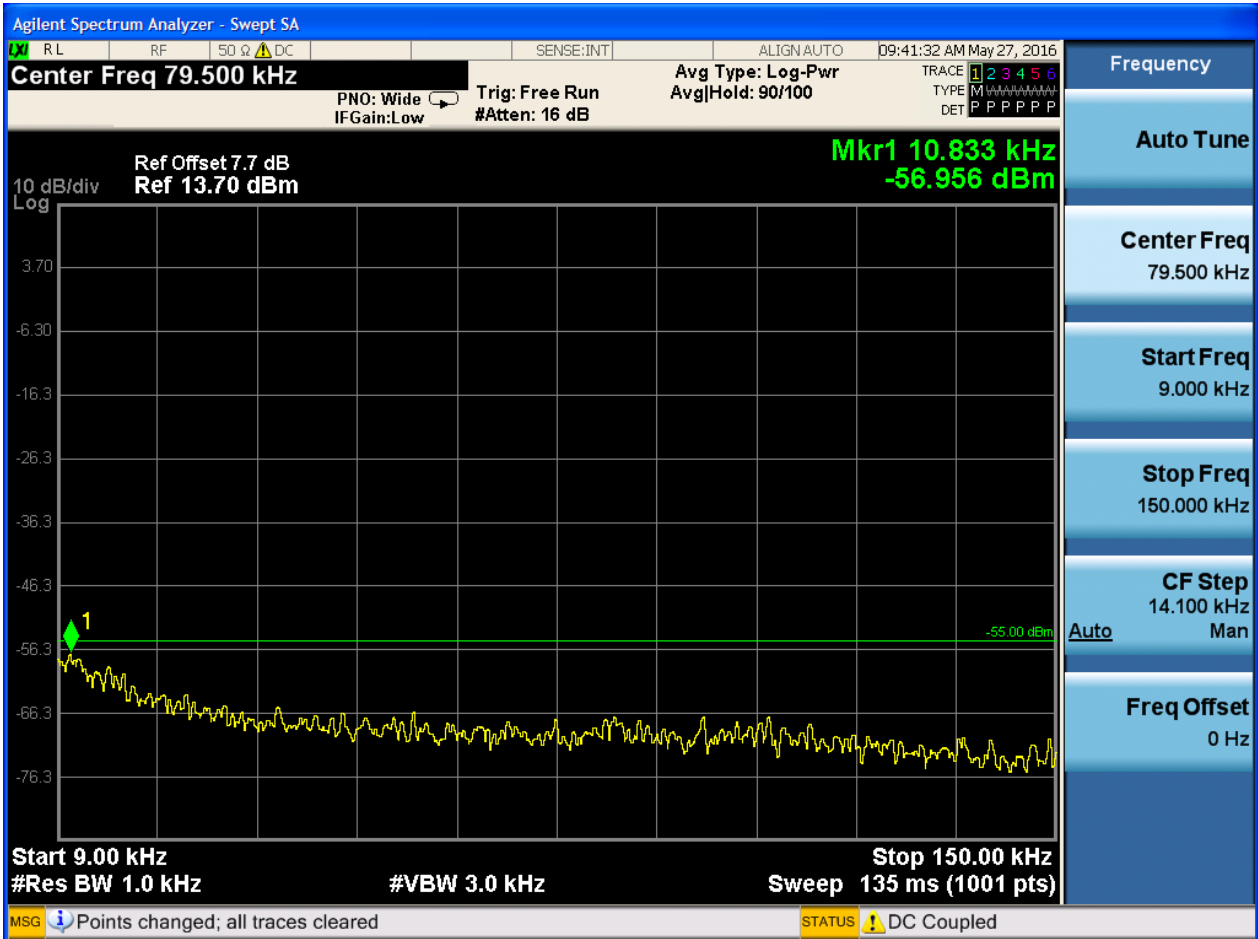


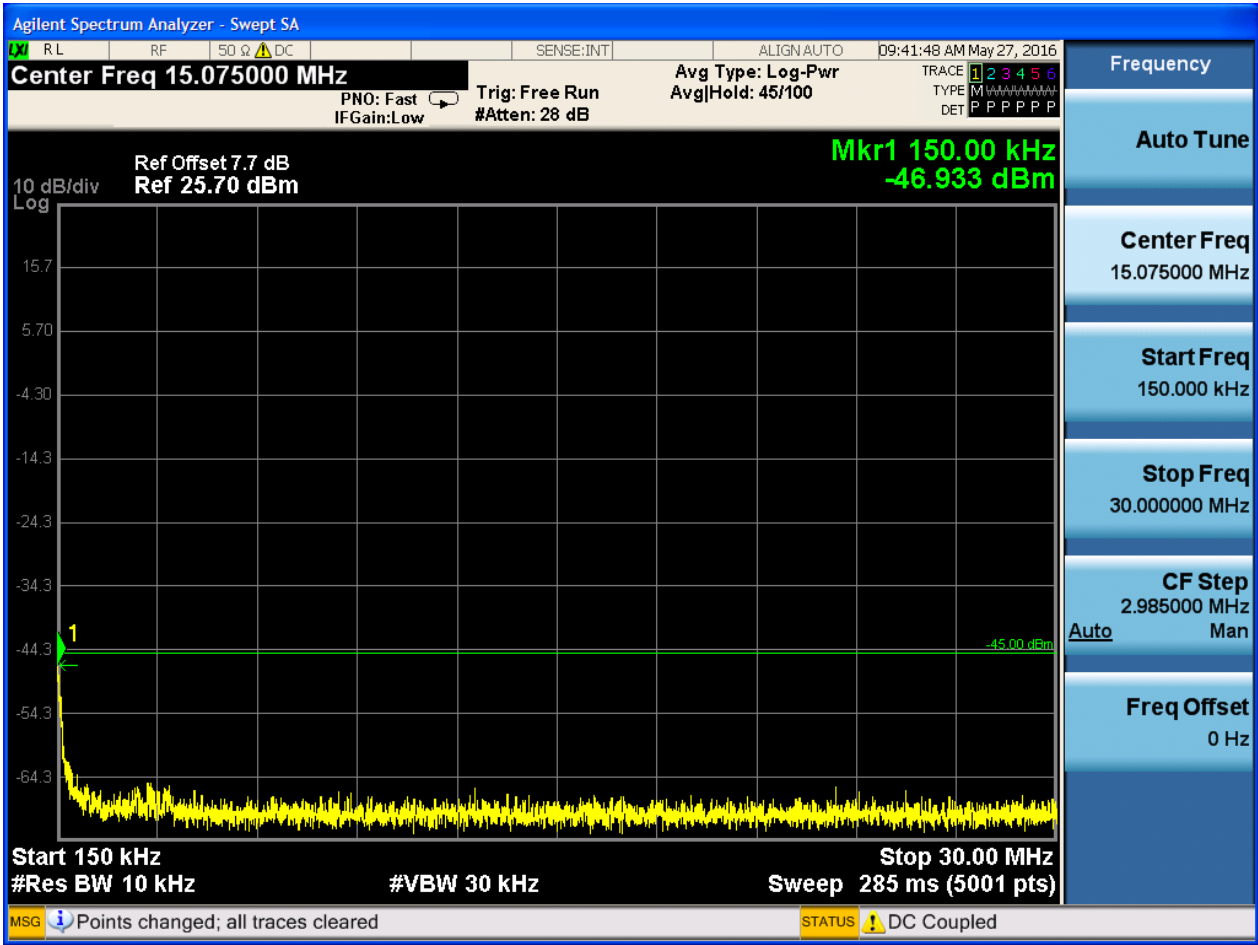


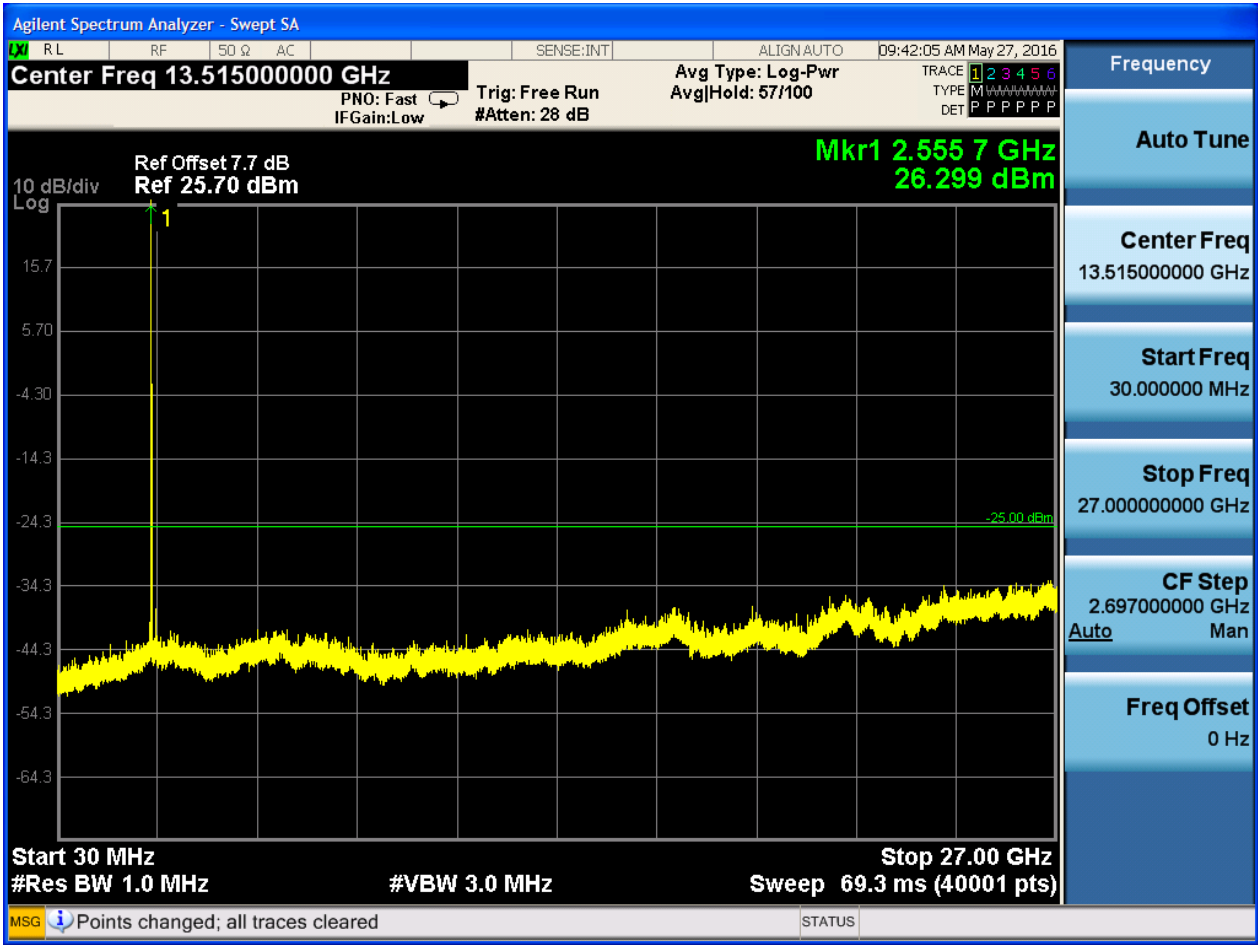


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0





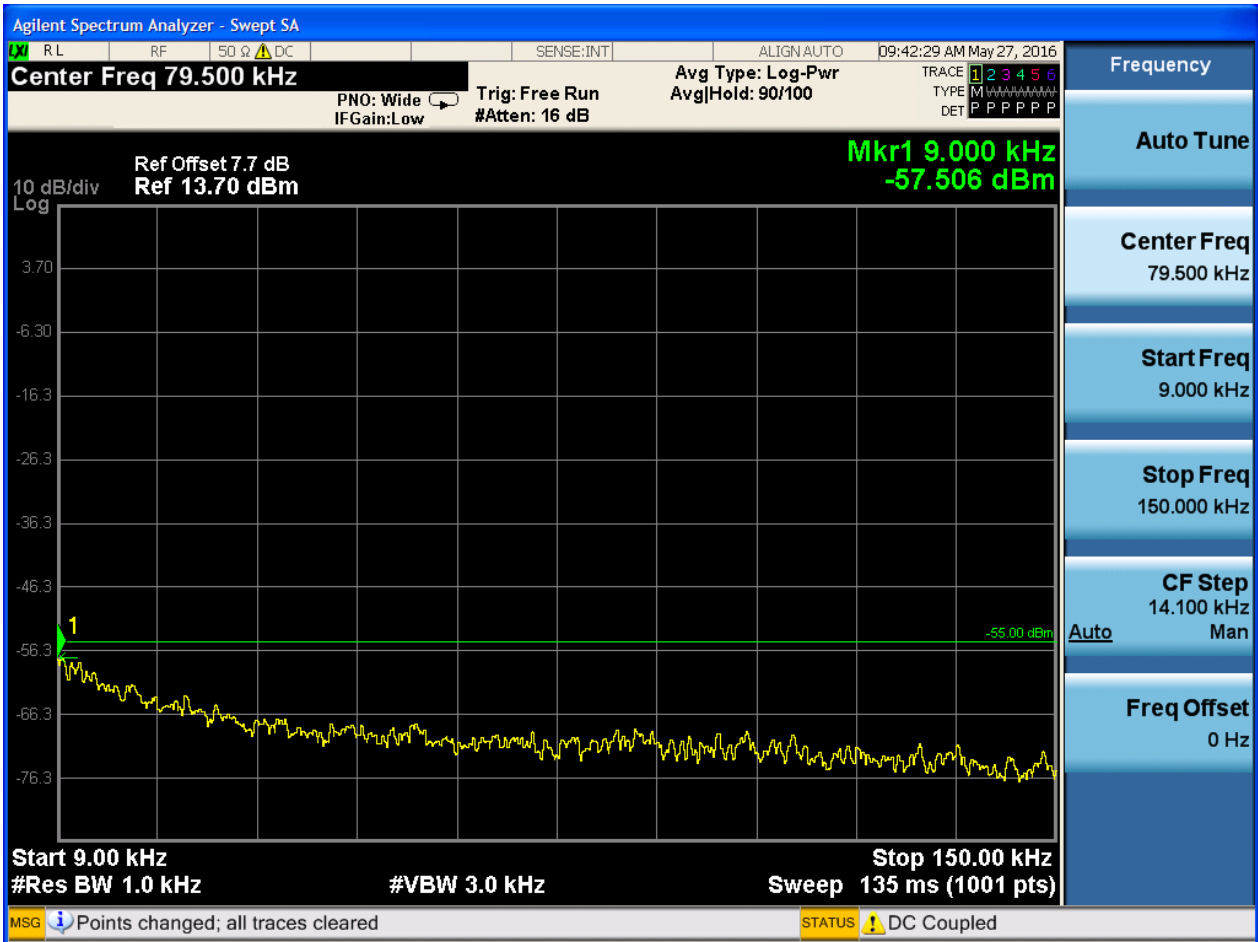


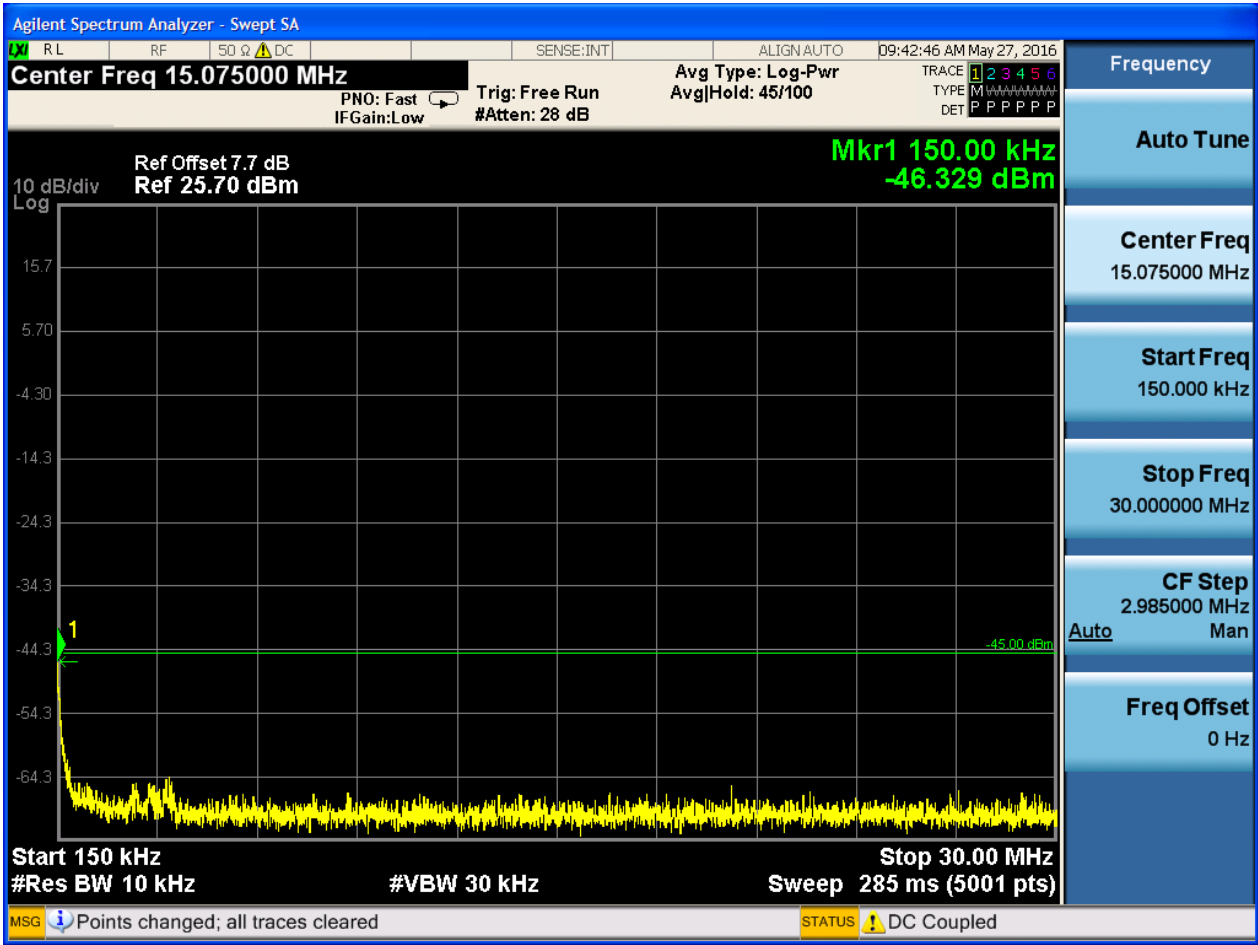


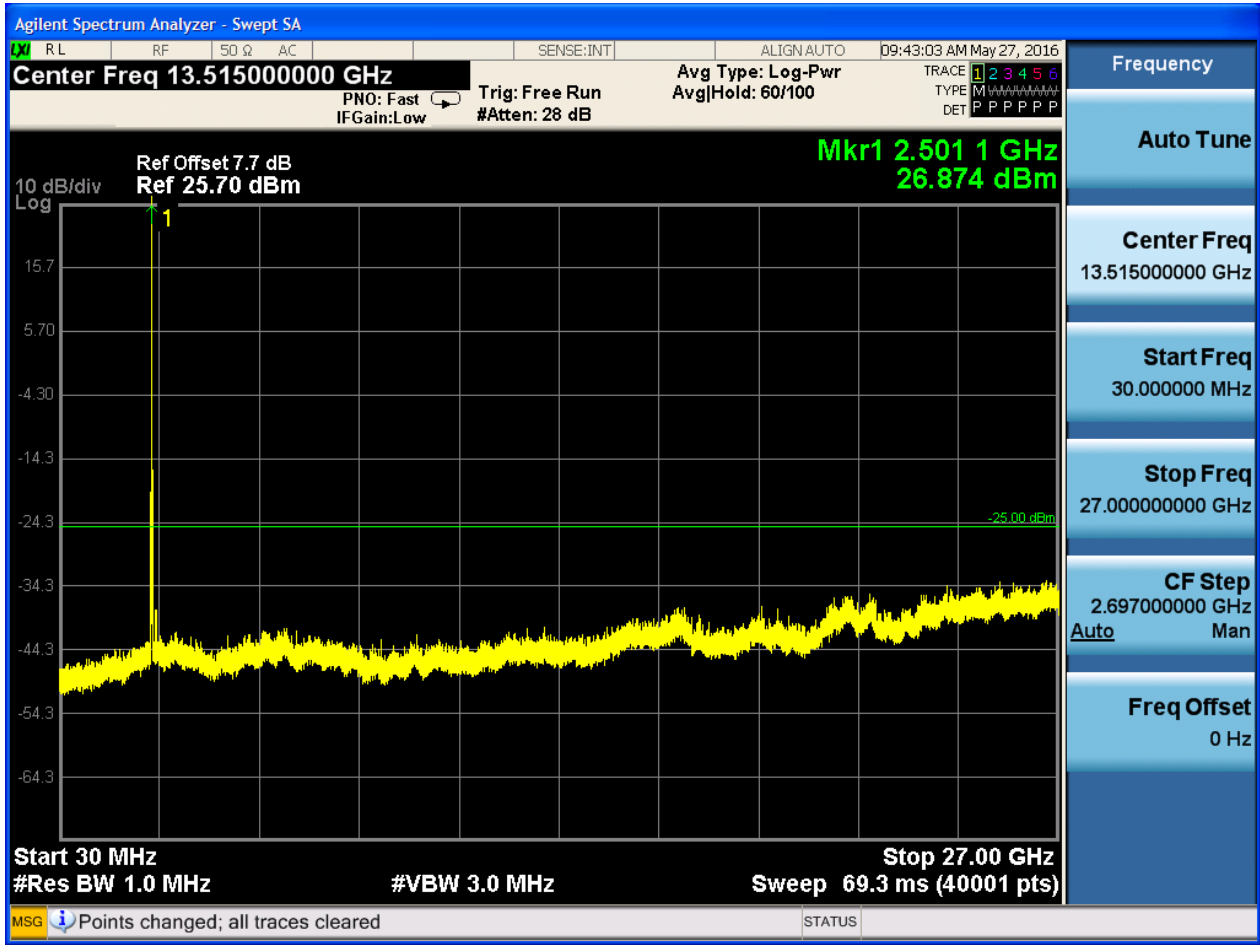
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



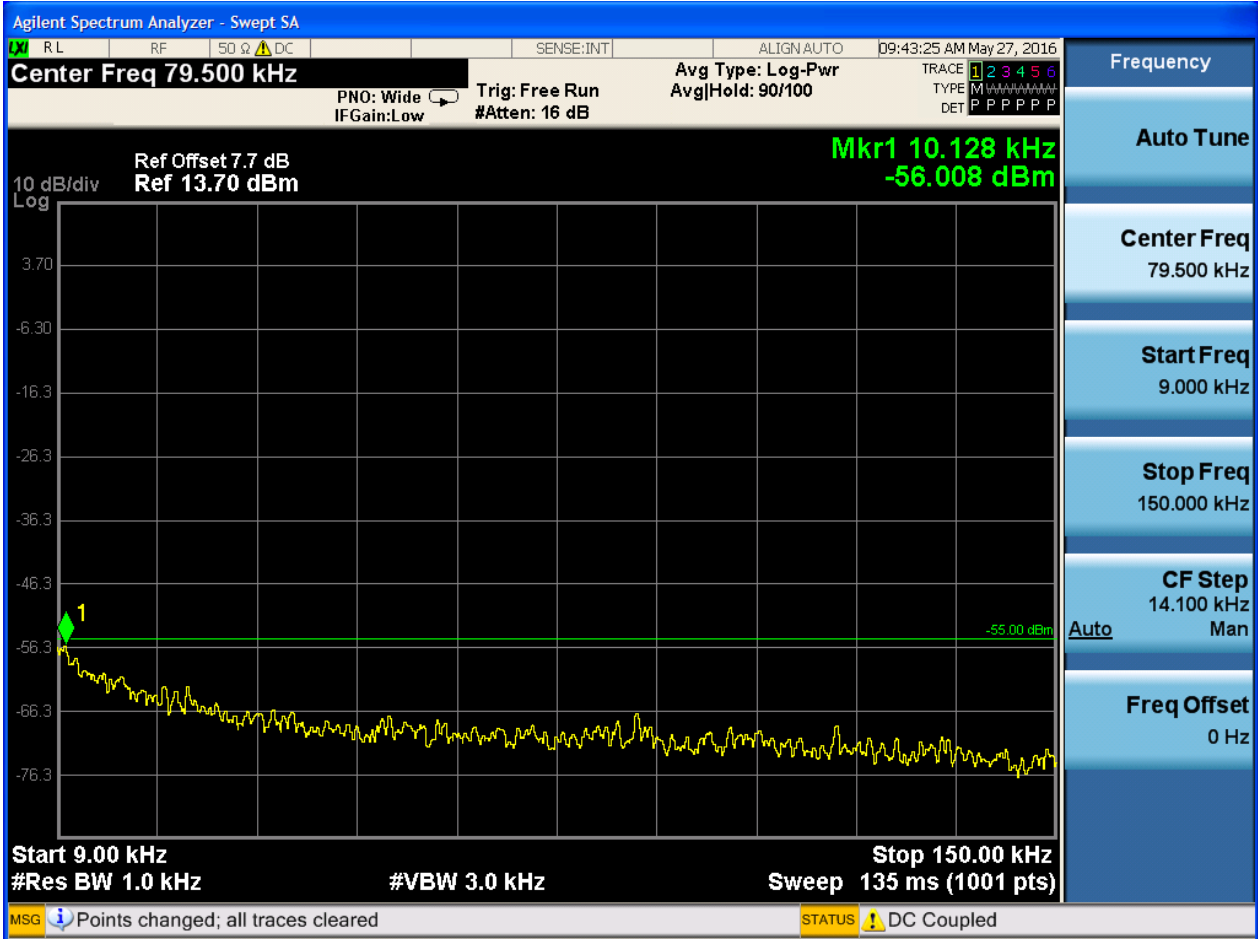






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



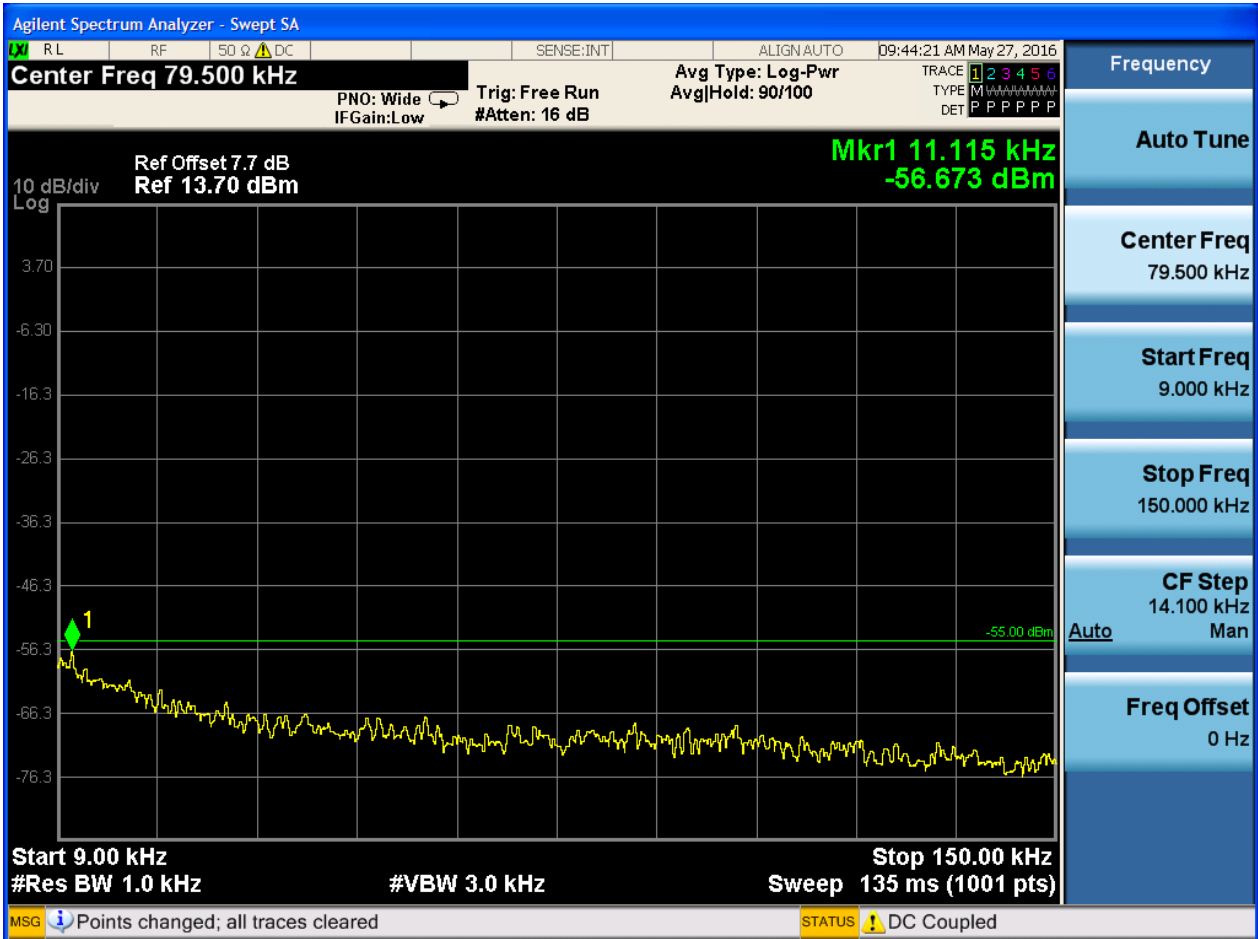






6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







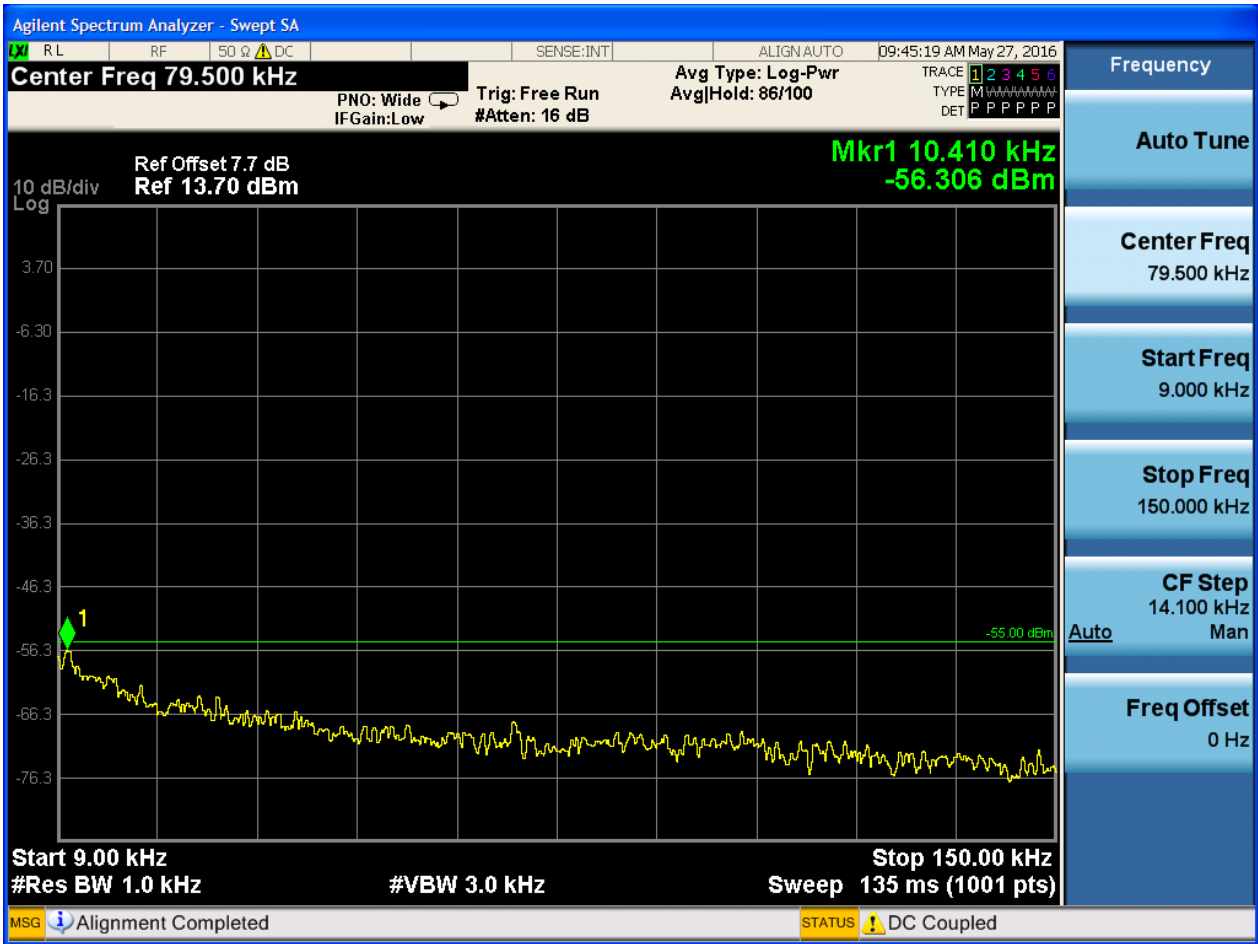


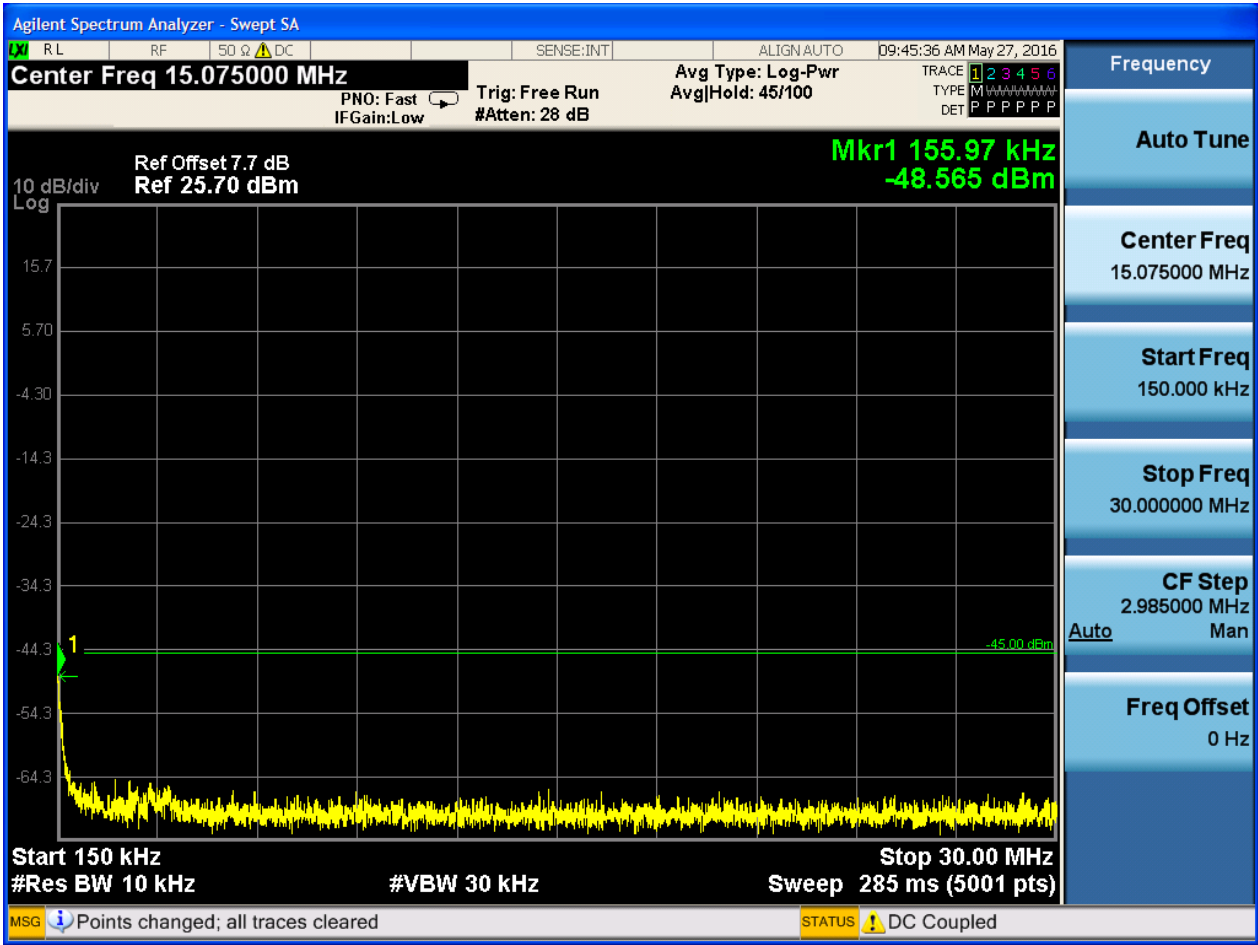
6.1.1.2 Test Mode = LTE/TM2

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

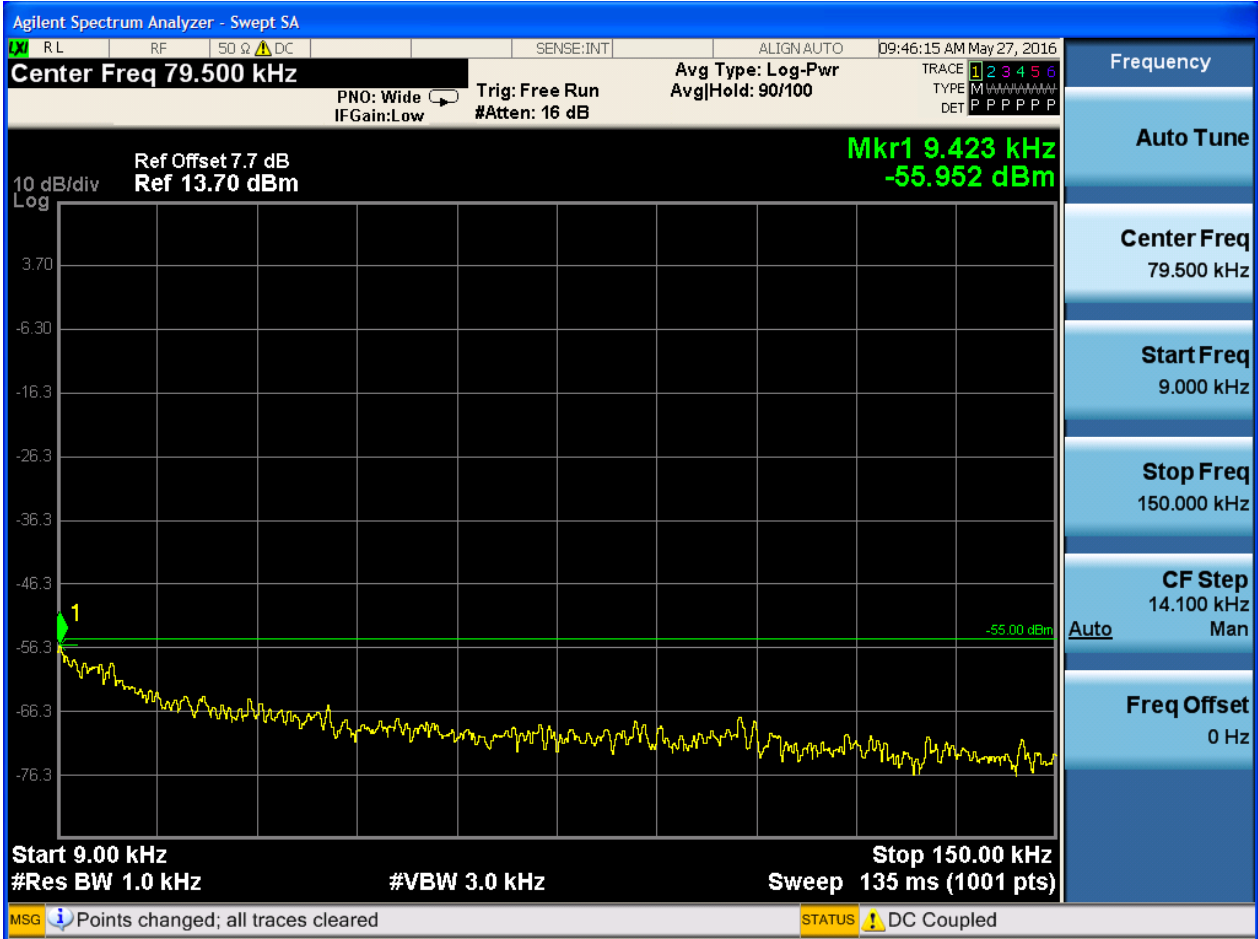


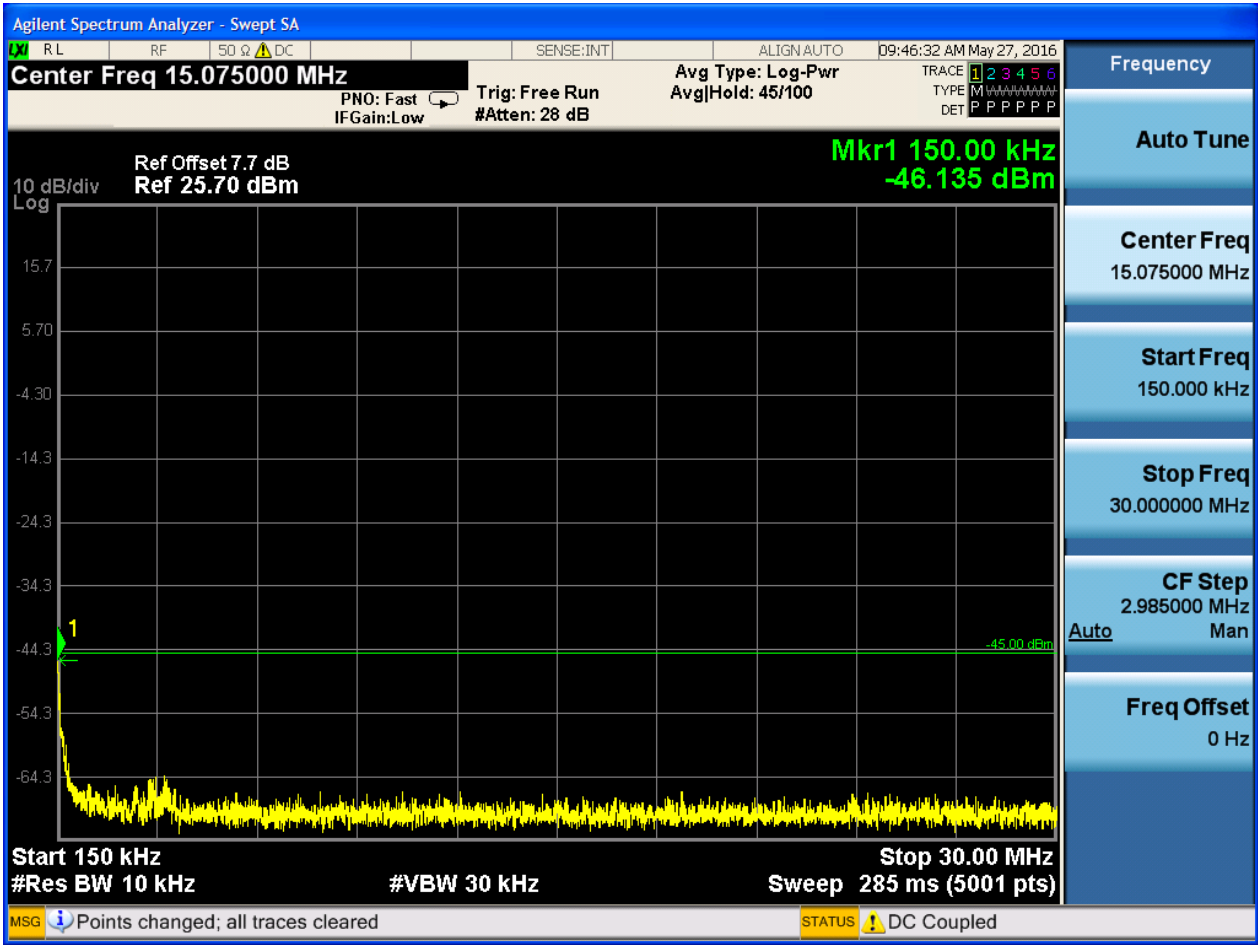


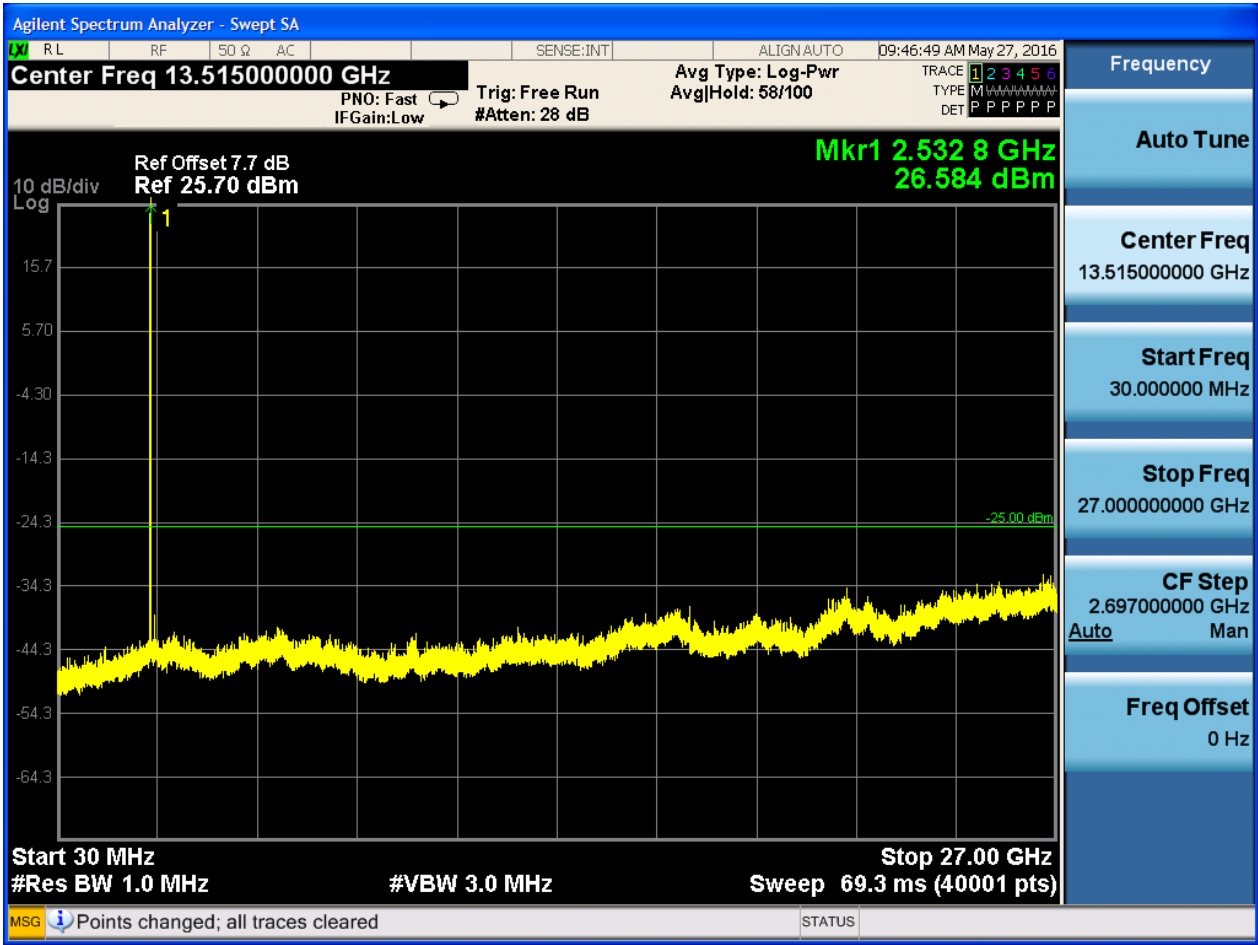


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



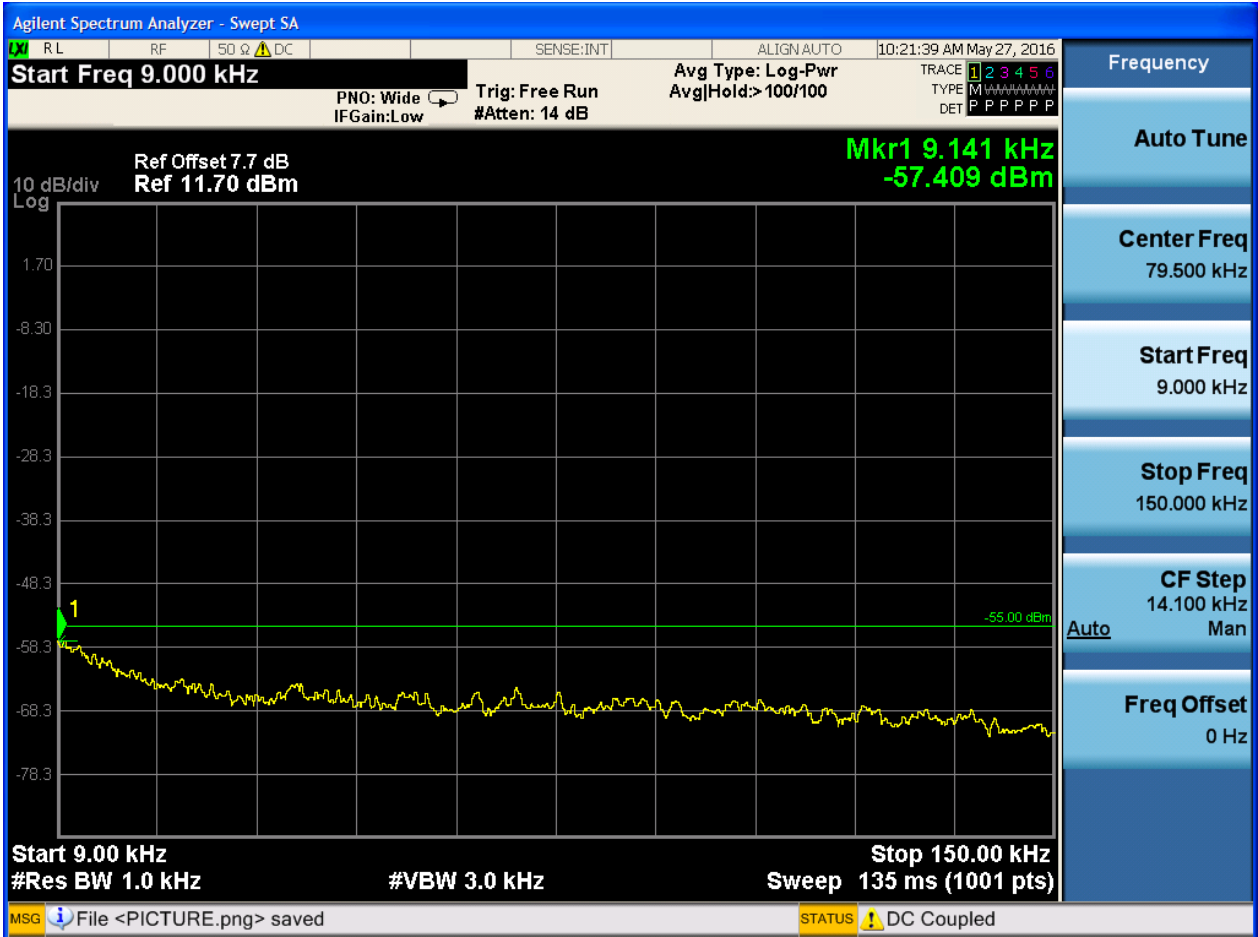


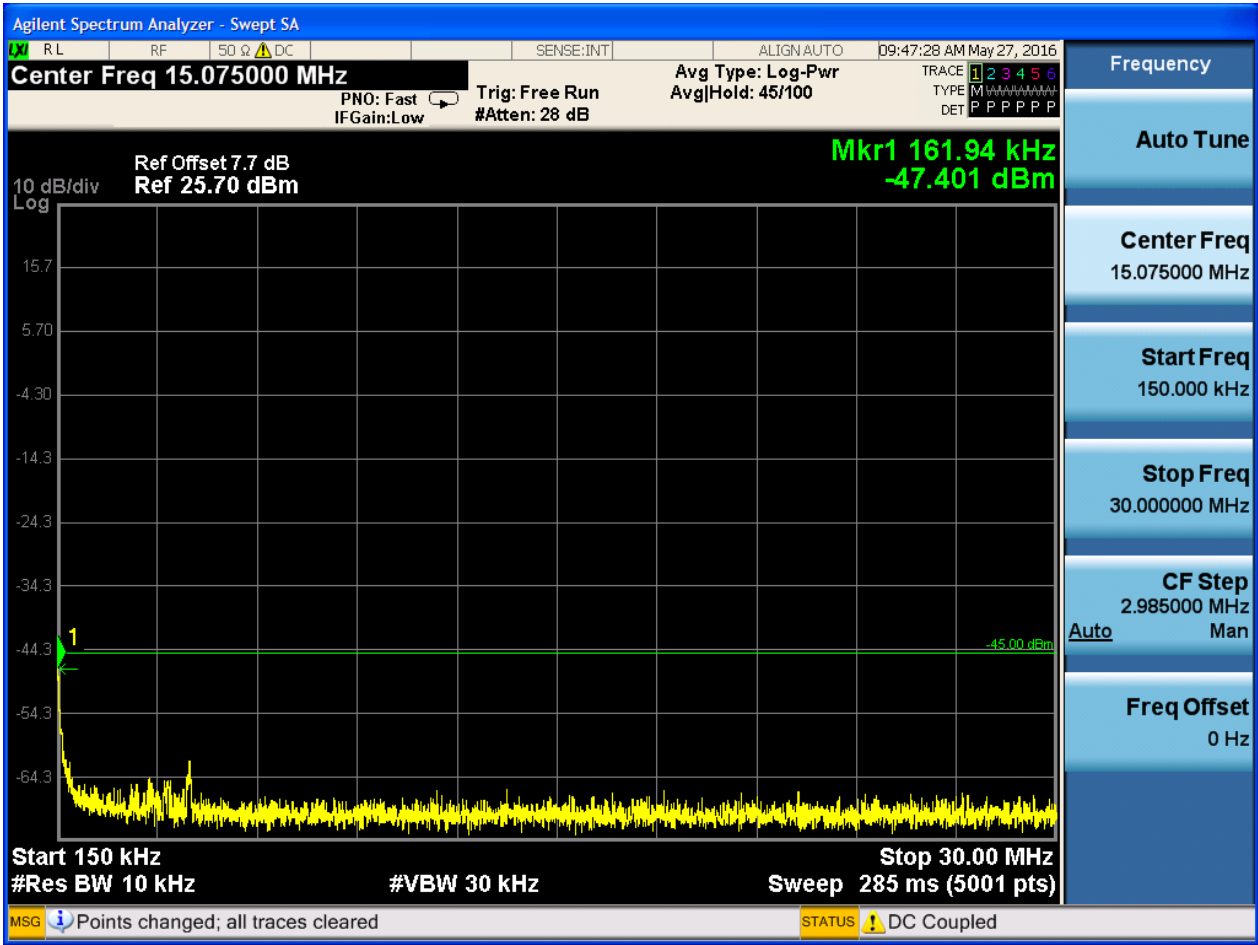




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





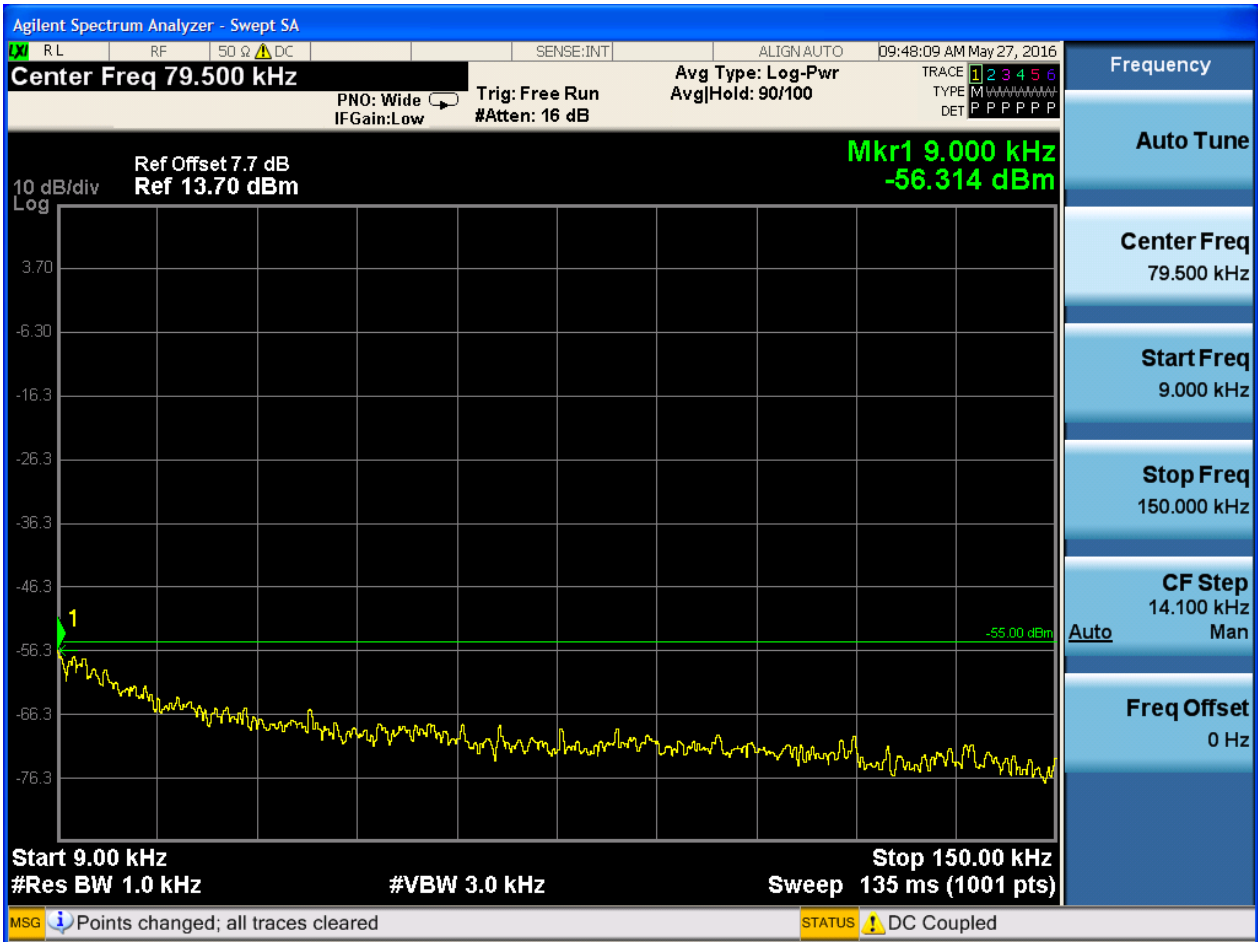


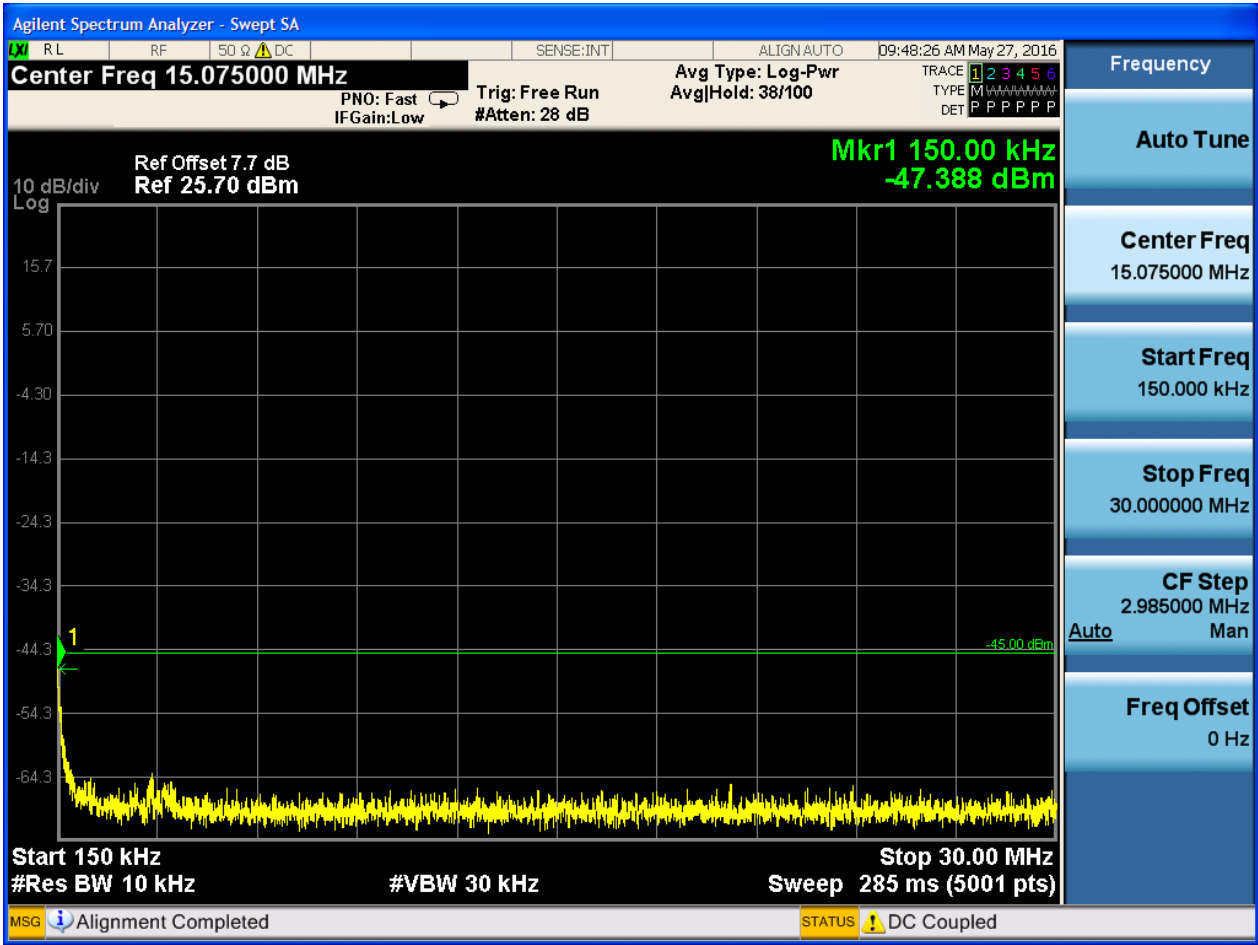


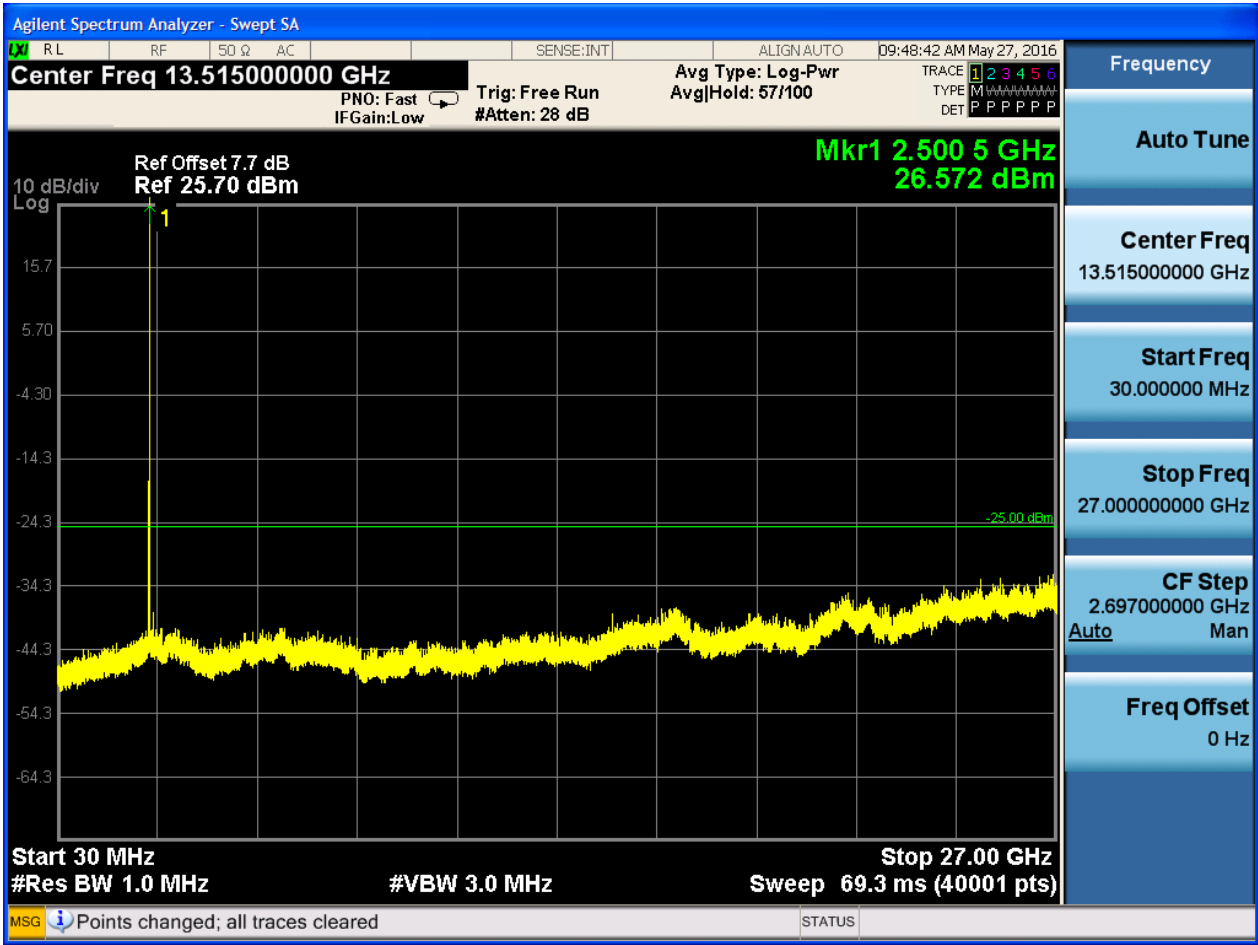
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



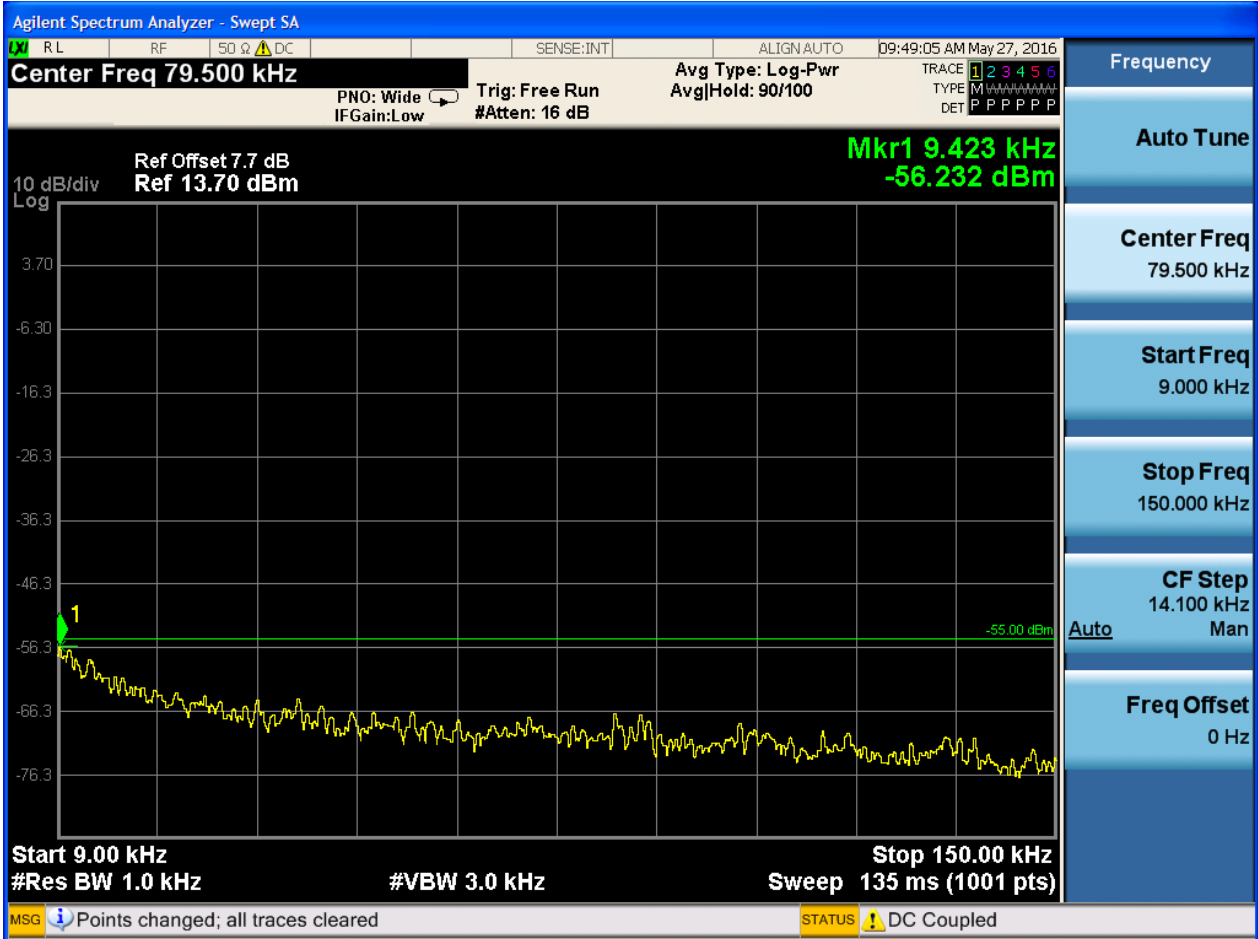


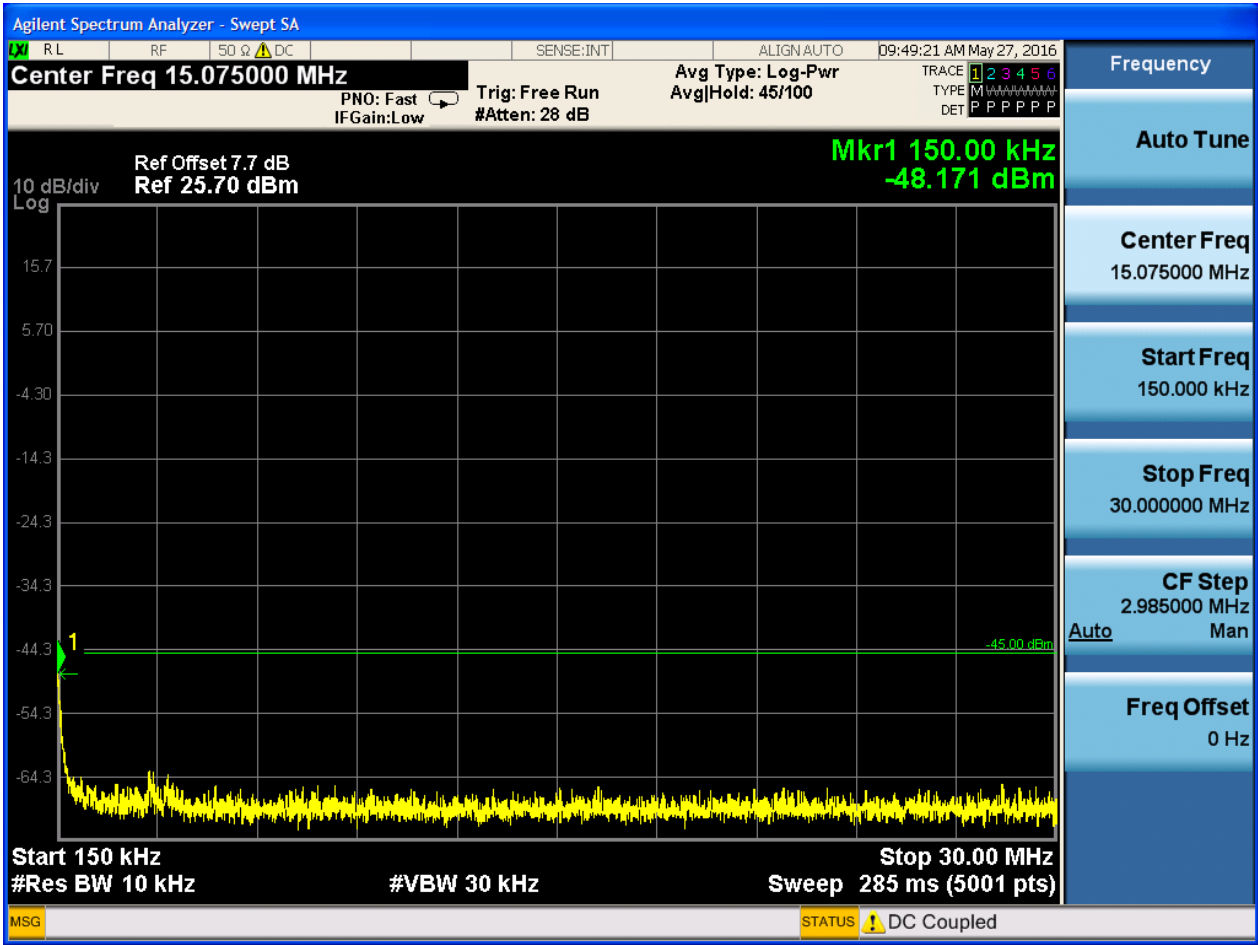




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

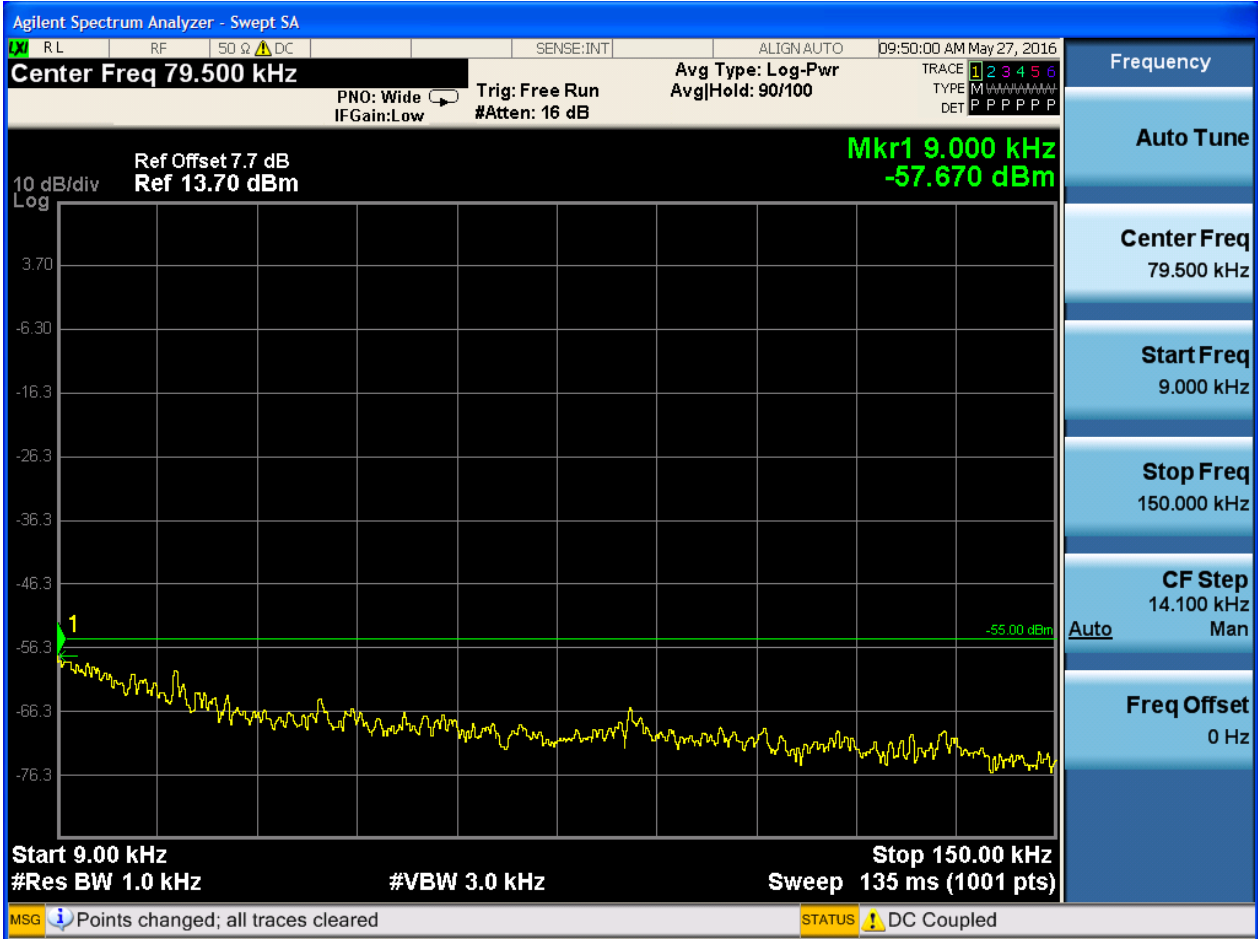


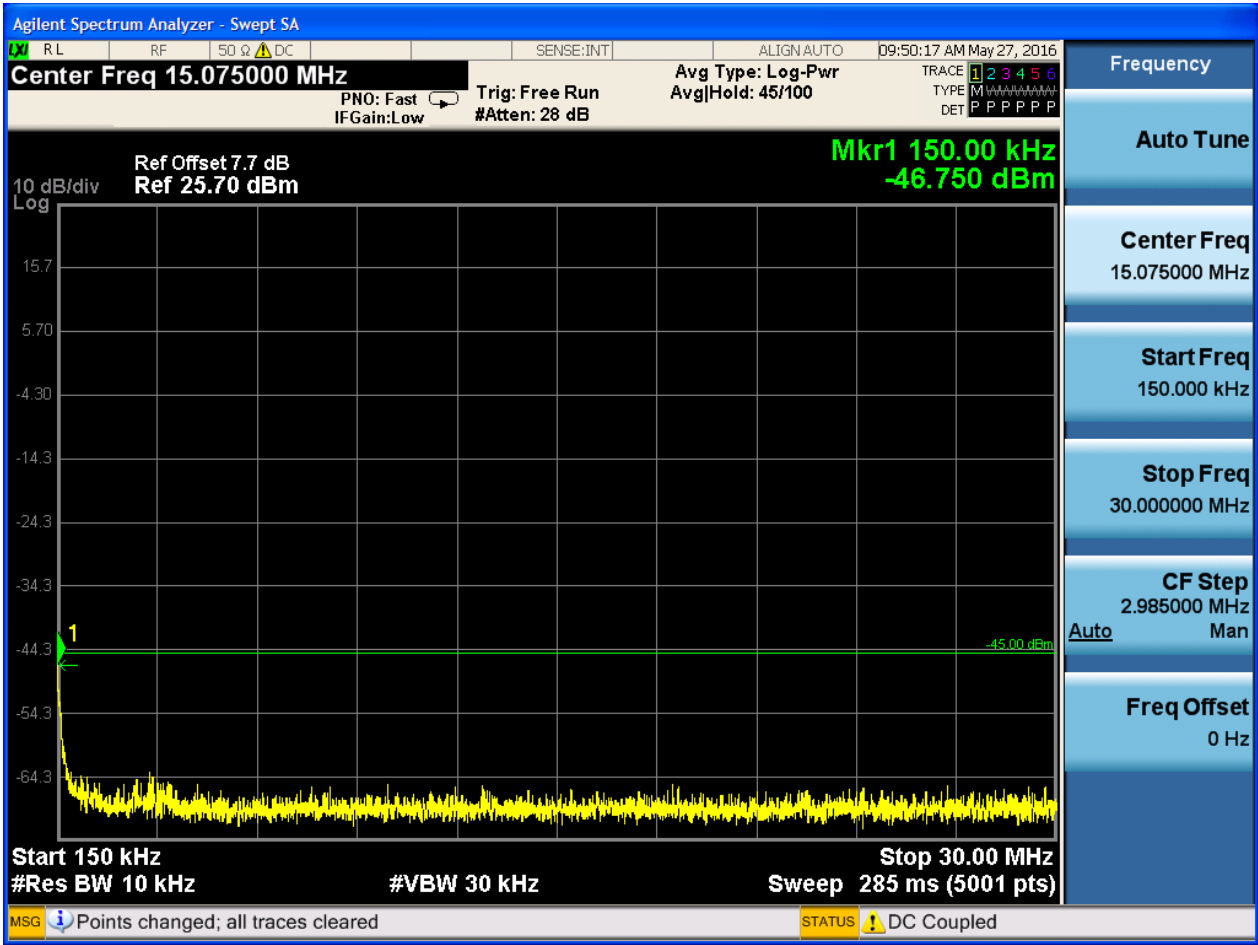


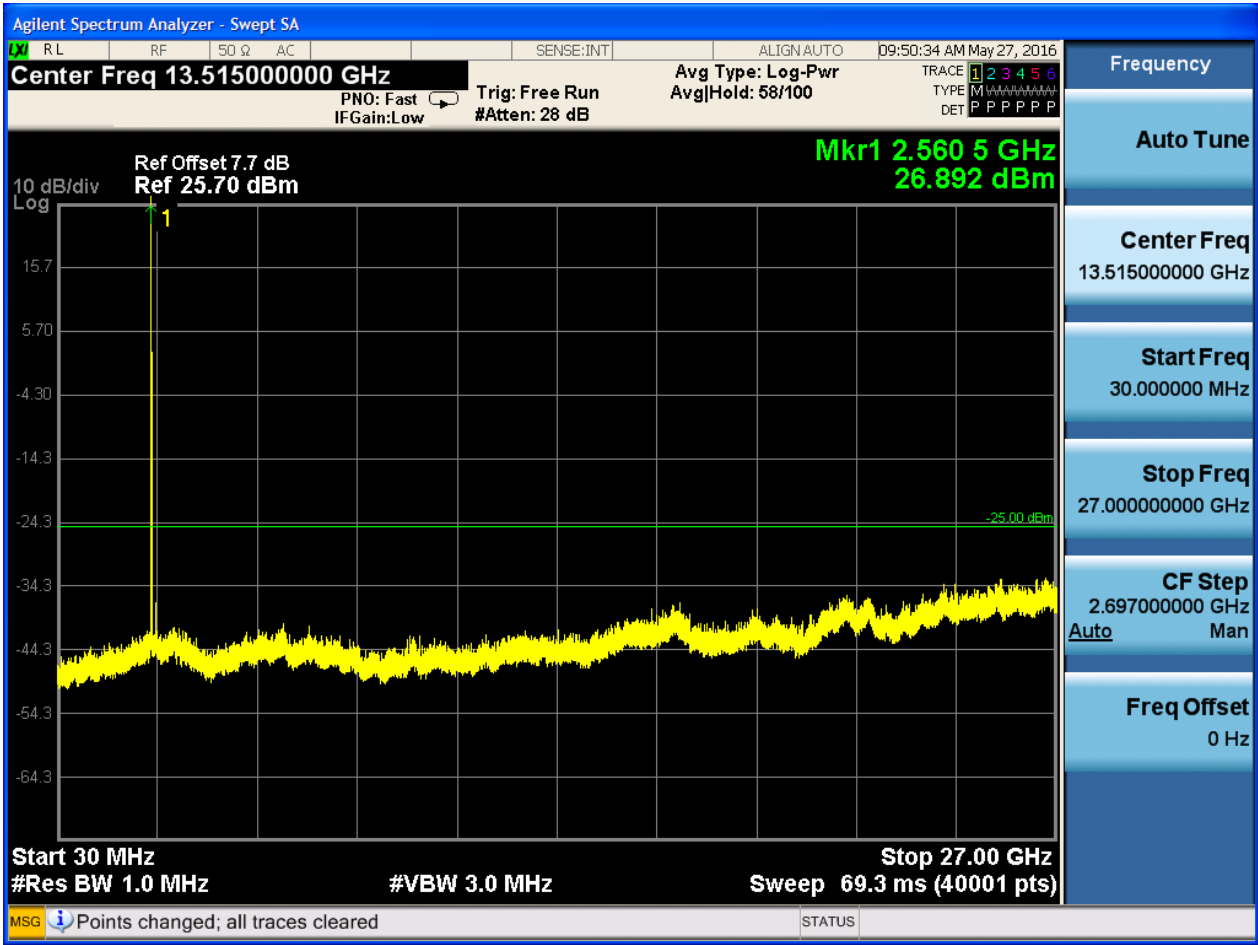


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





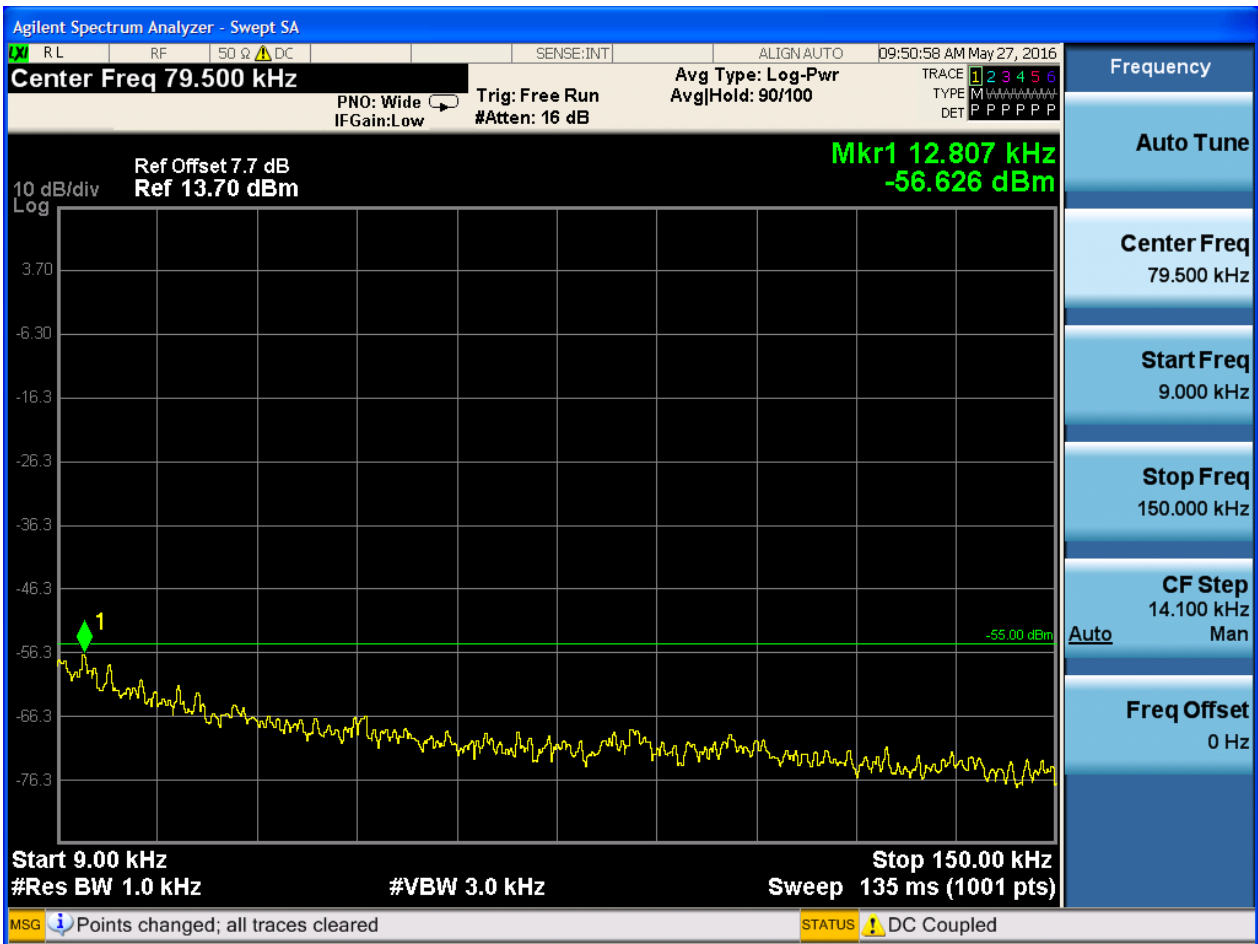


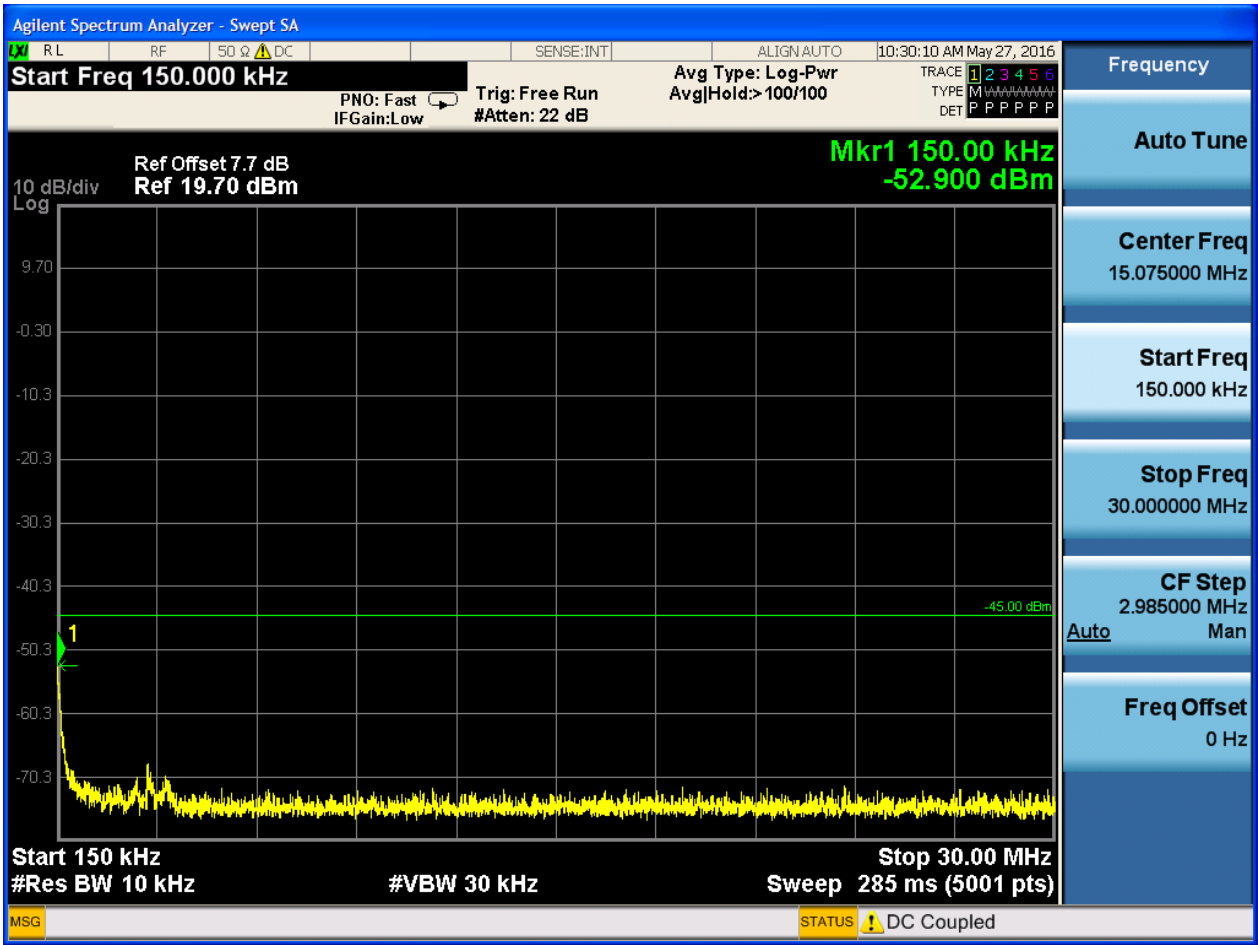


6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



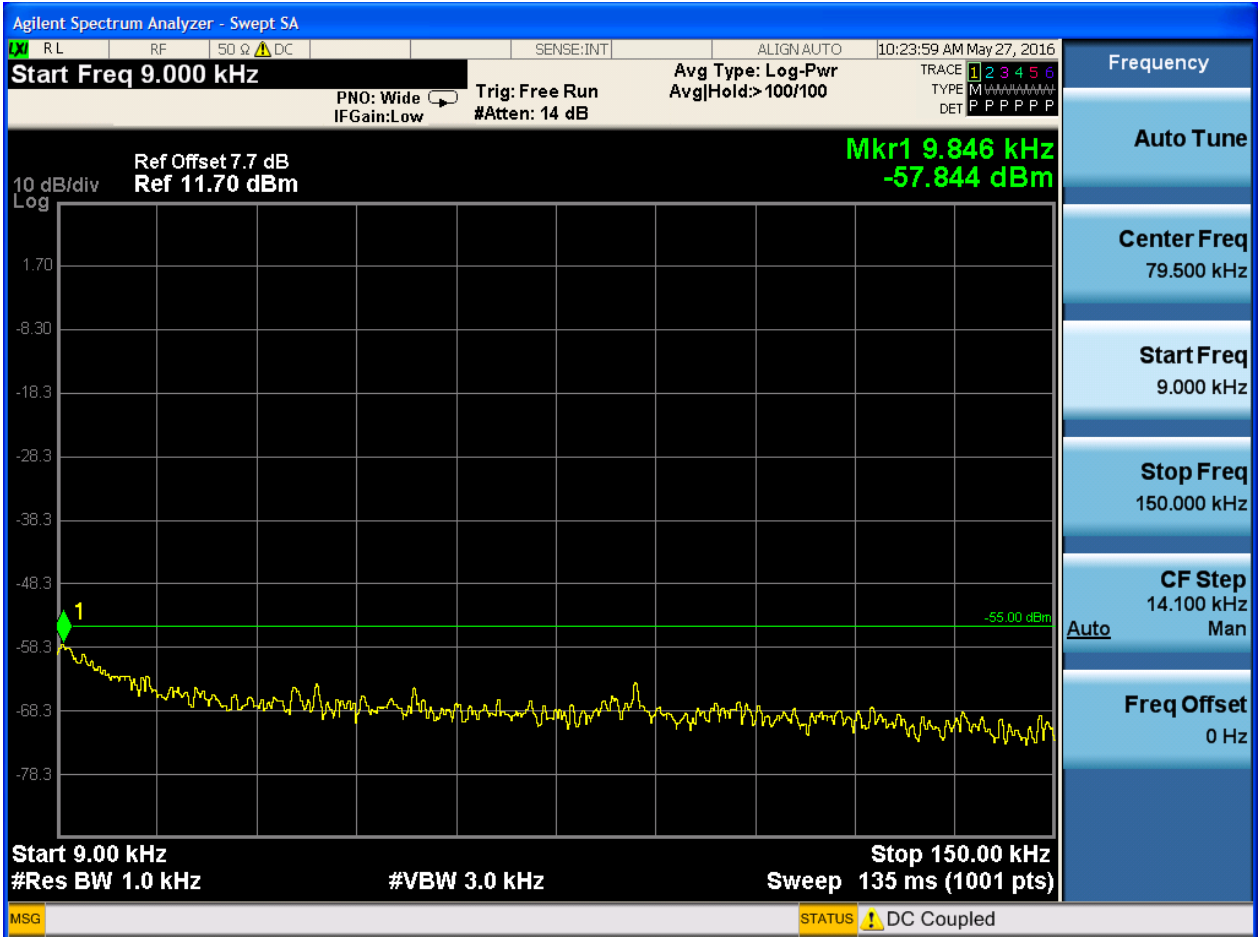


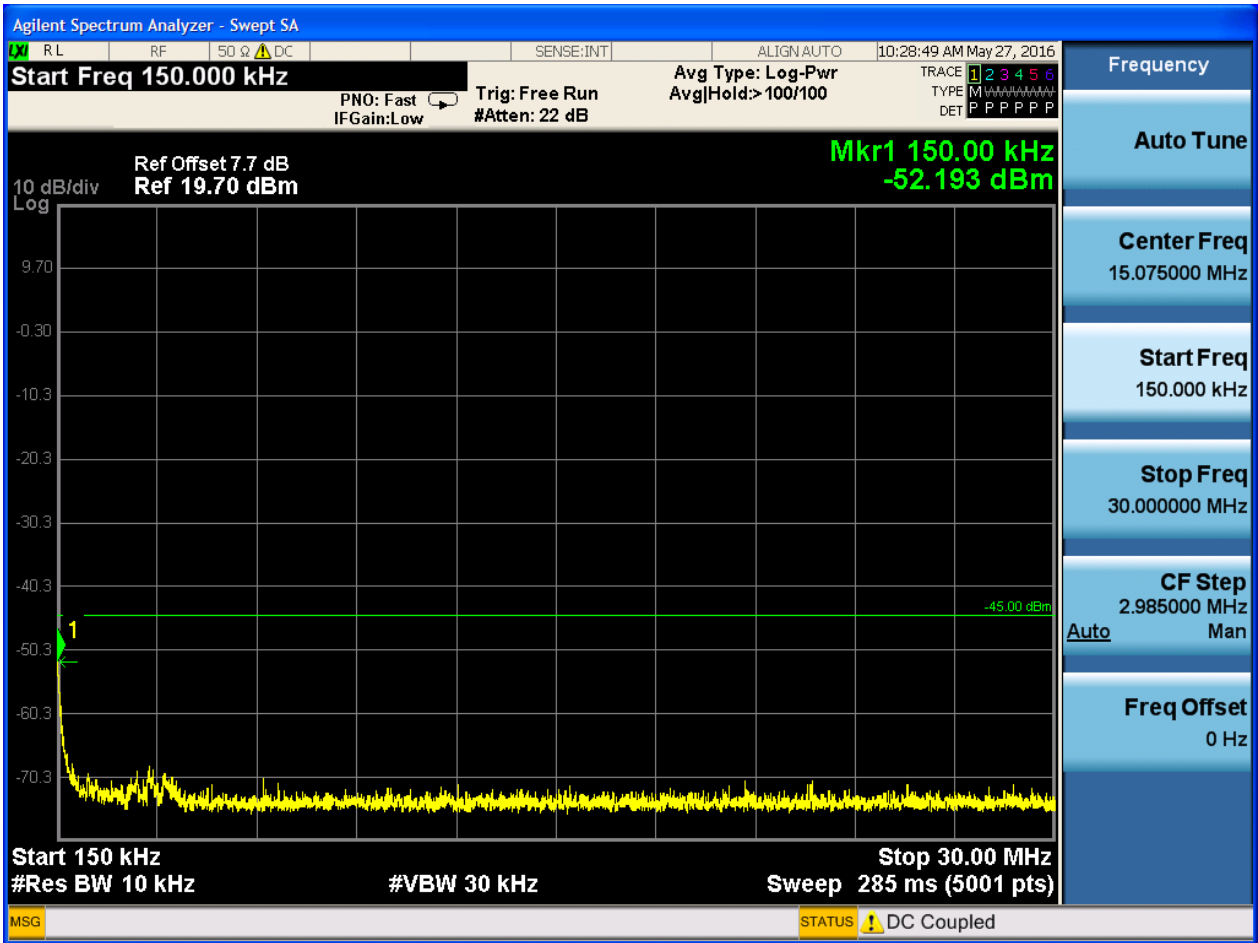


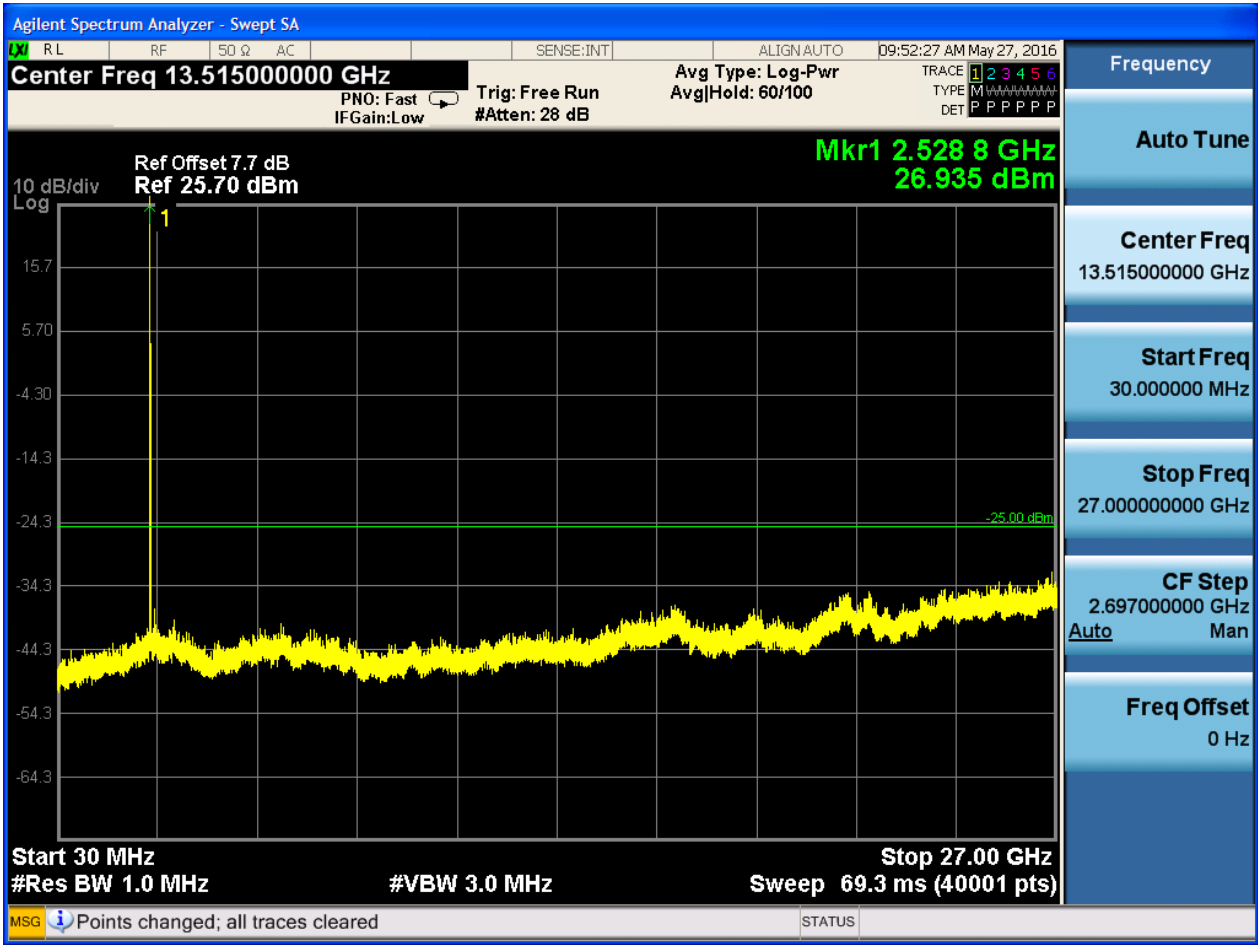


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



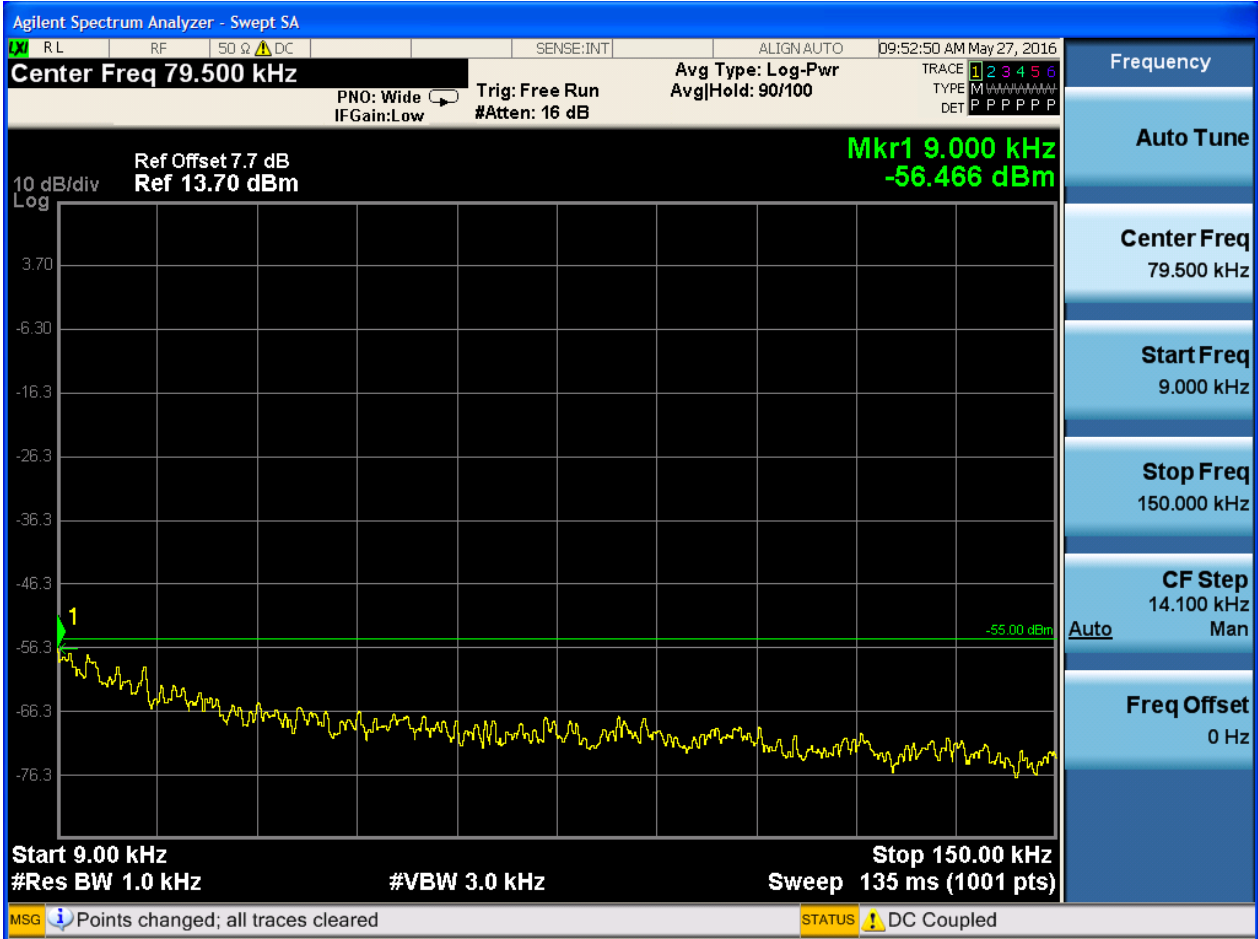


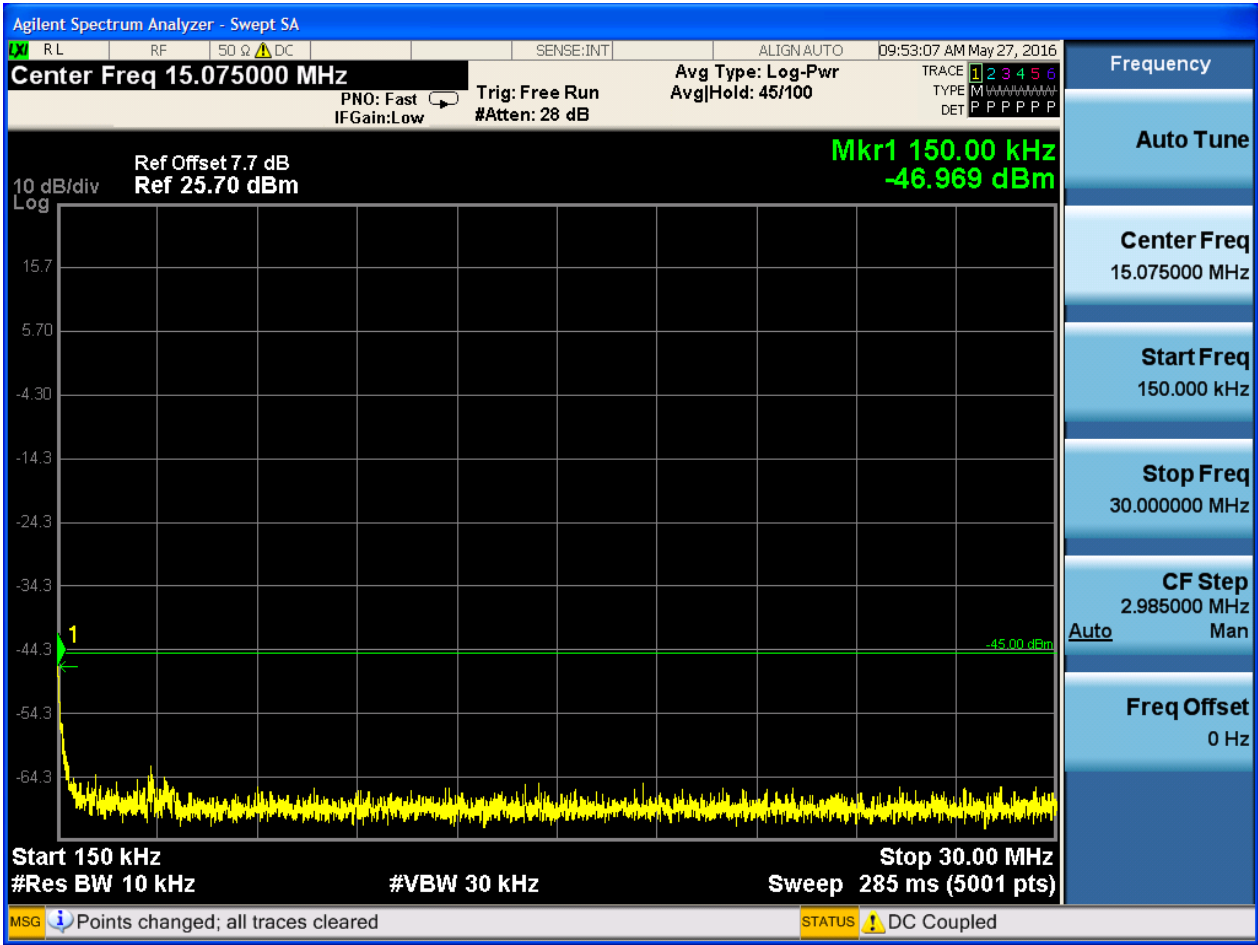




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





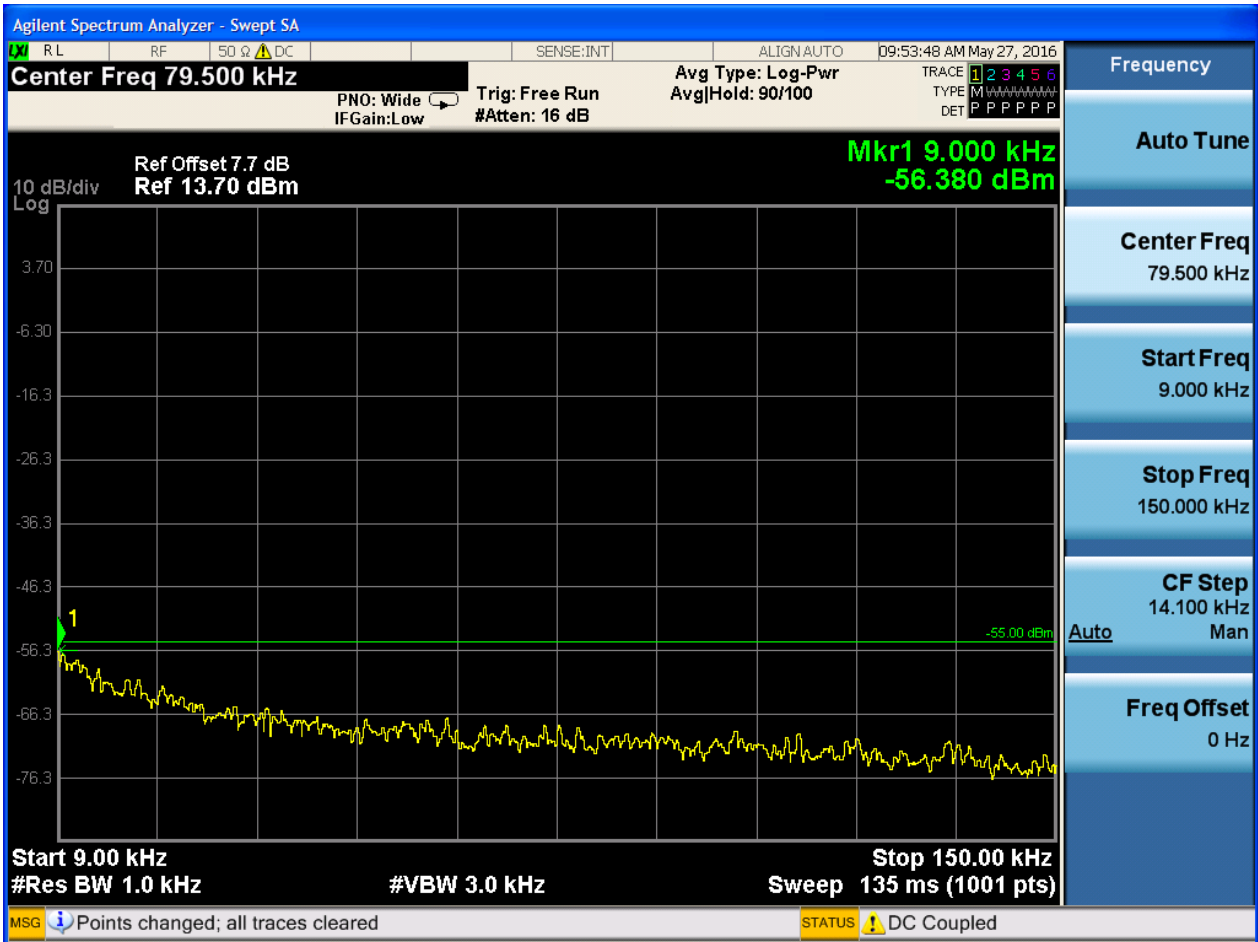


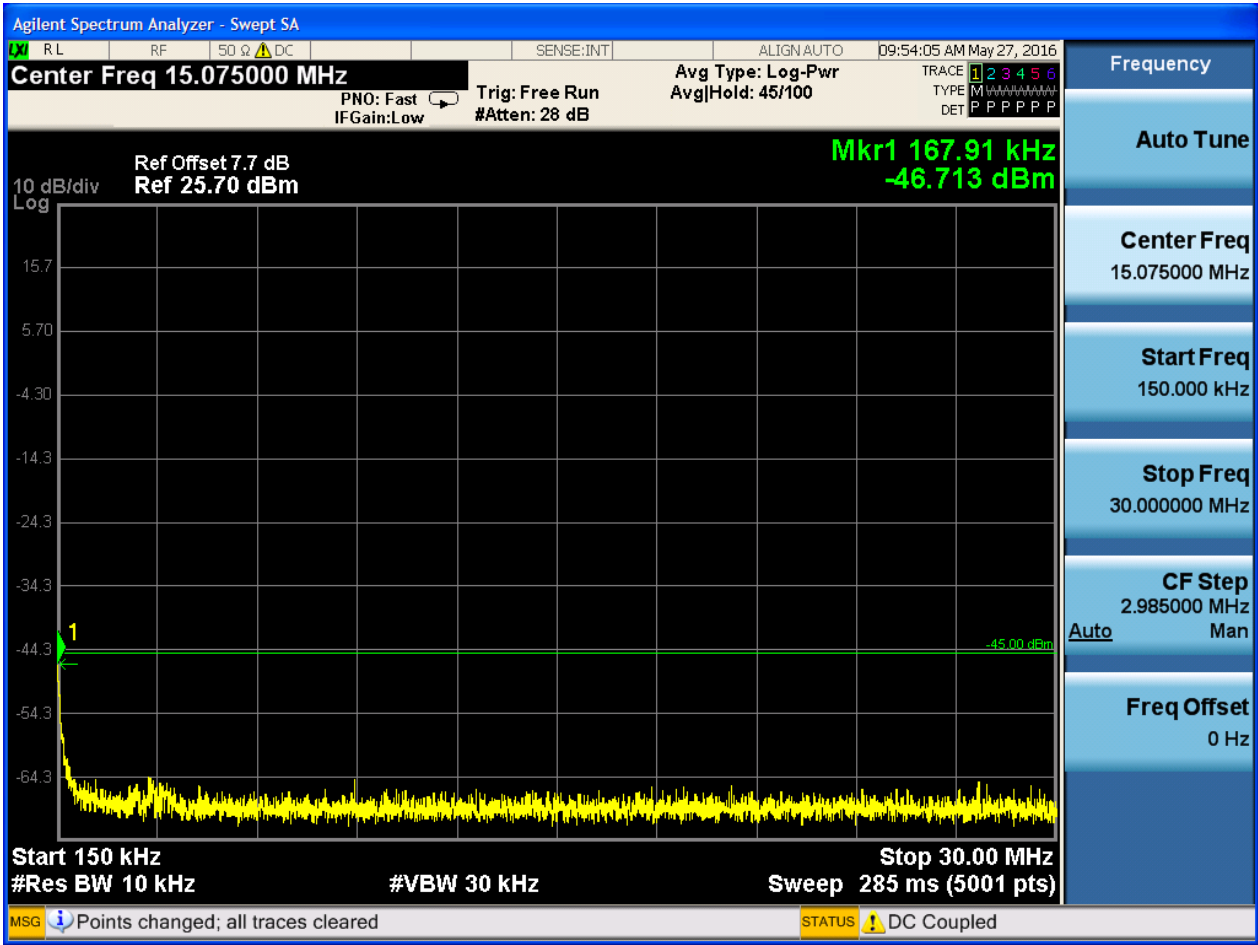


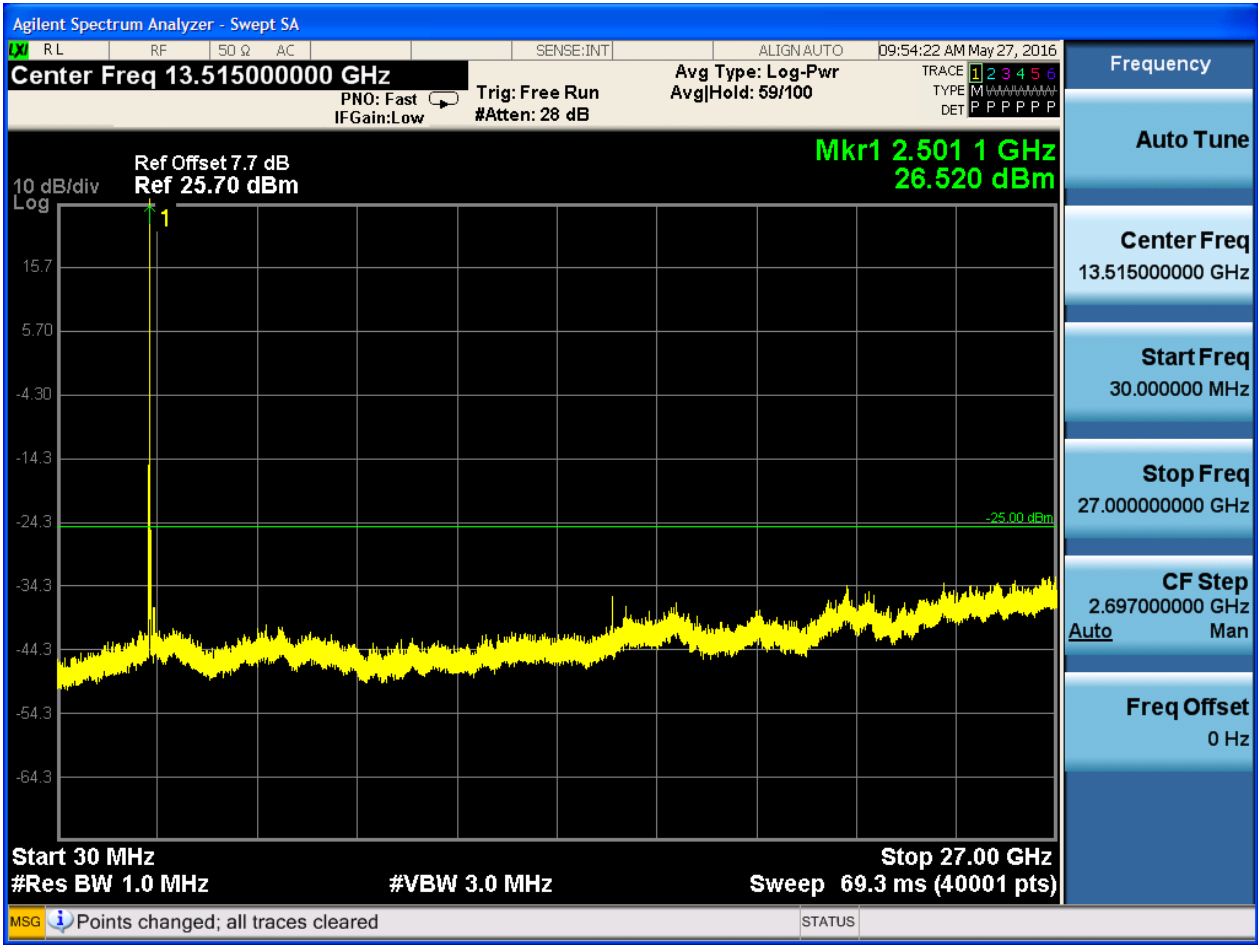
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



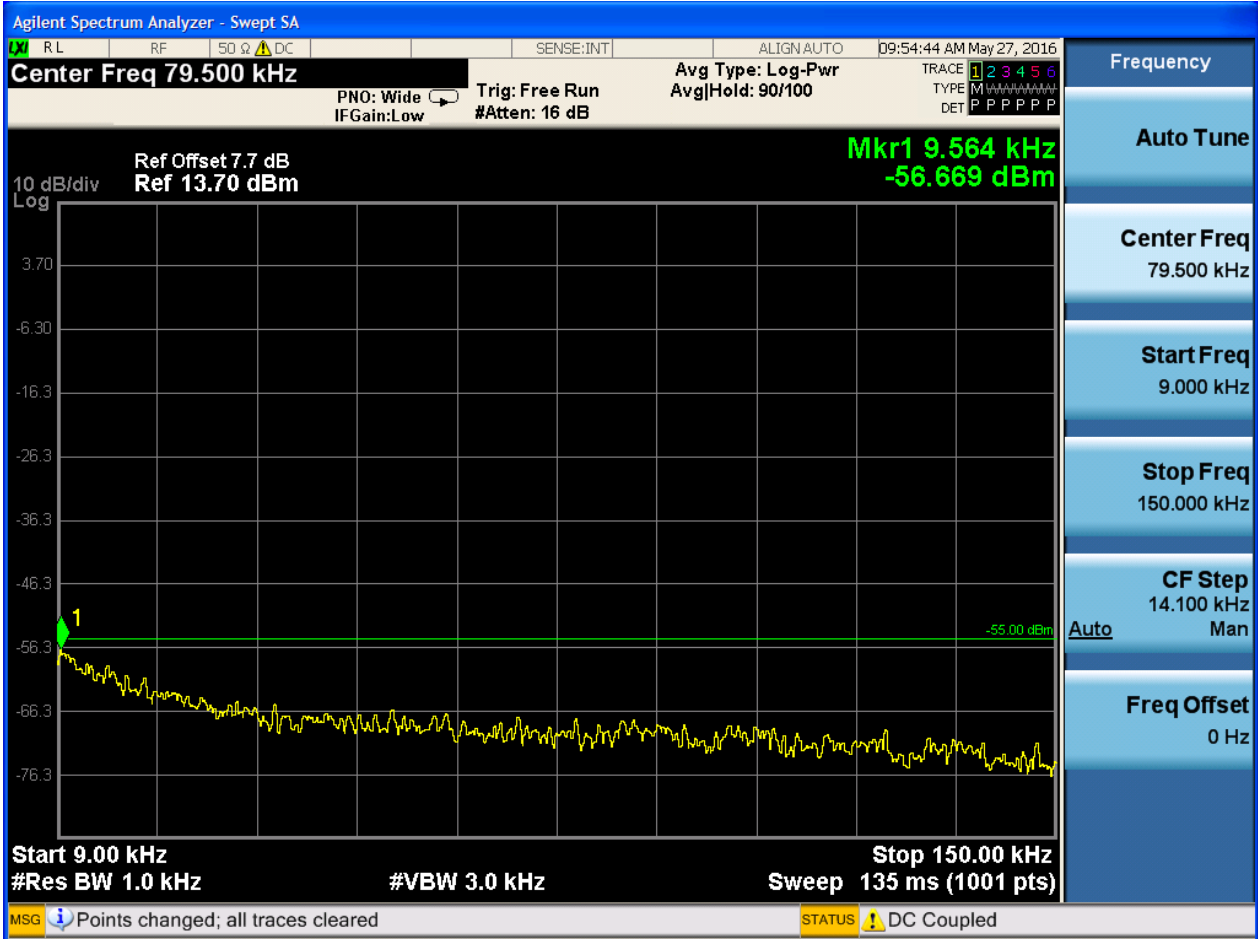


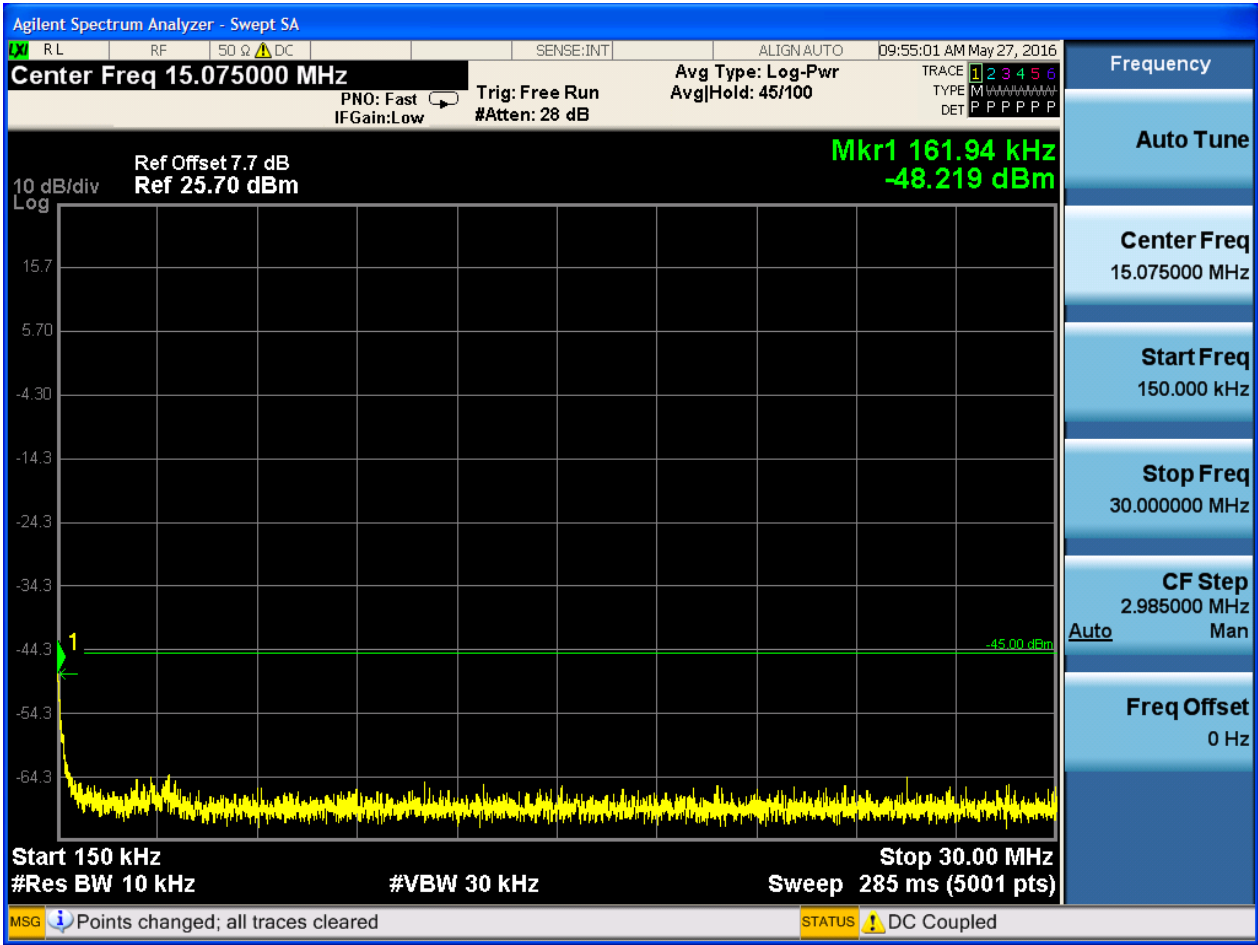




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



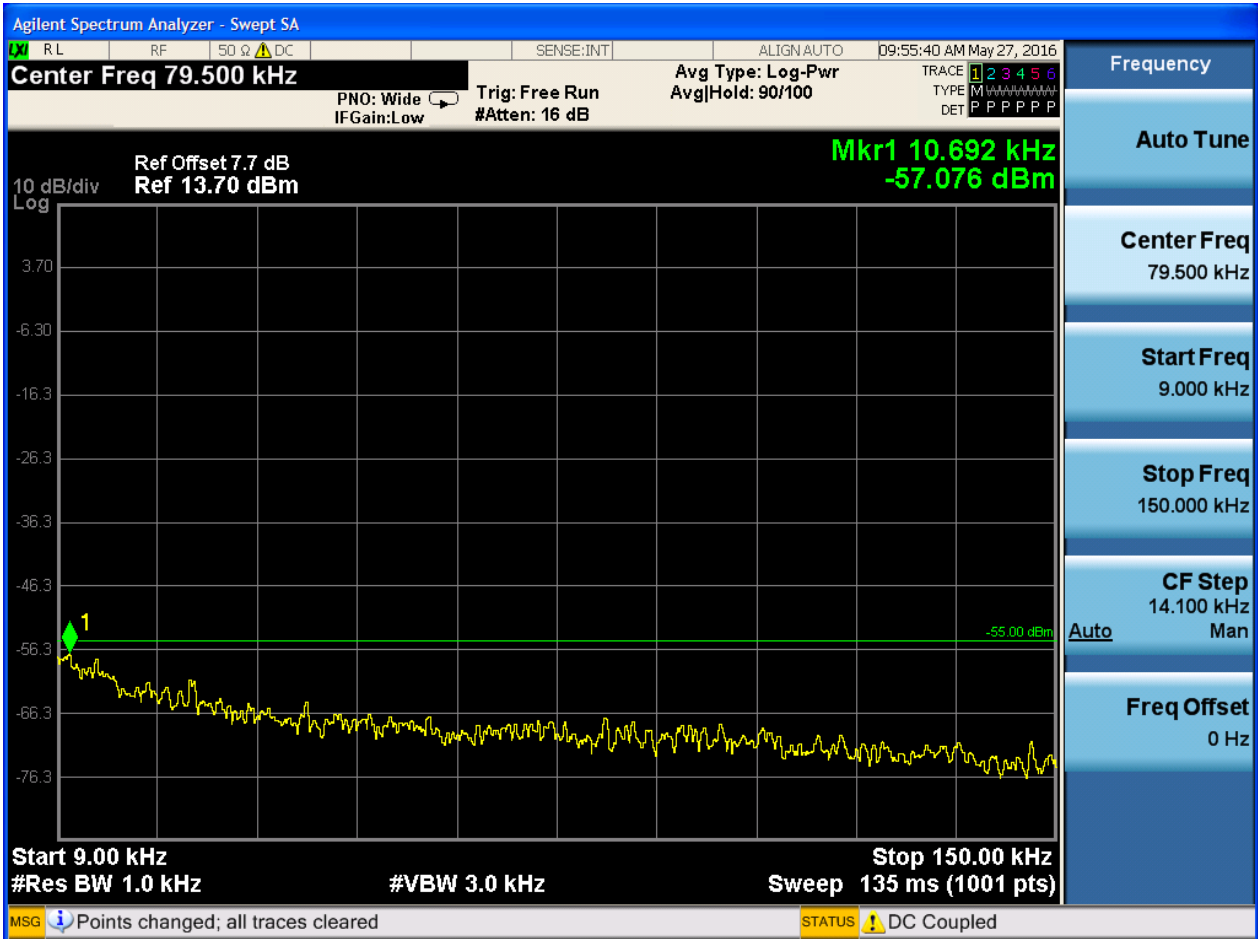


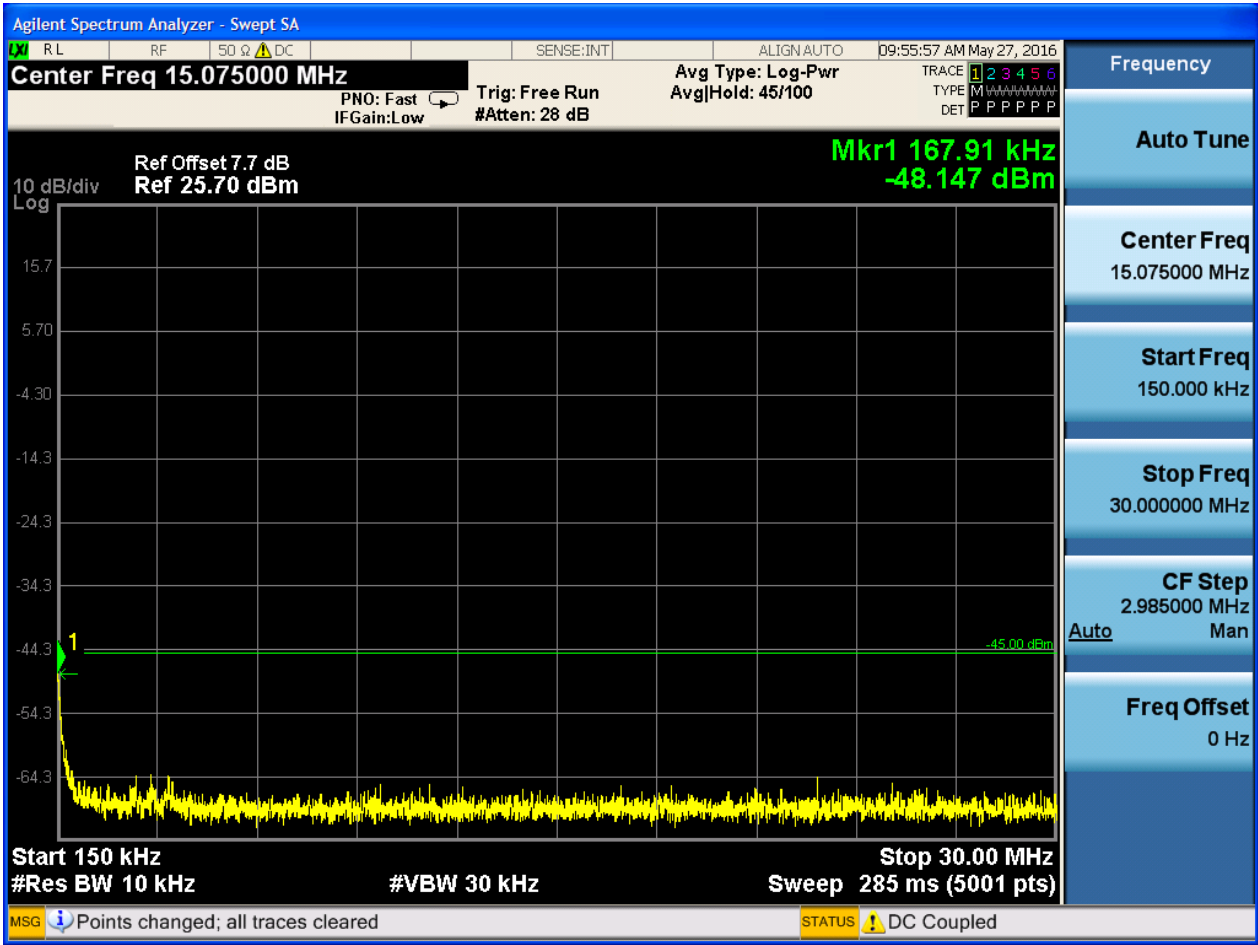


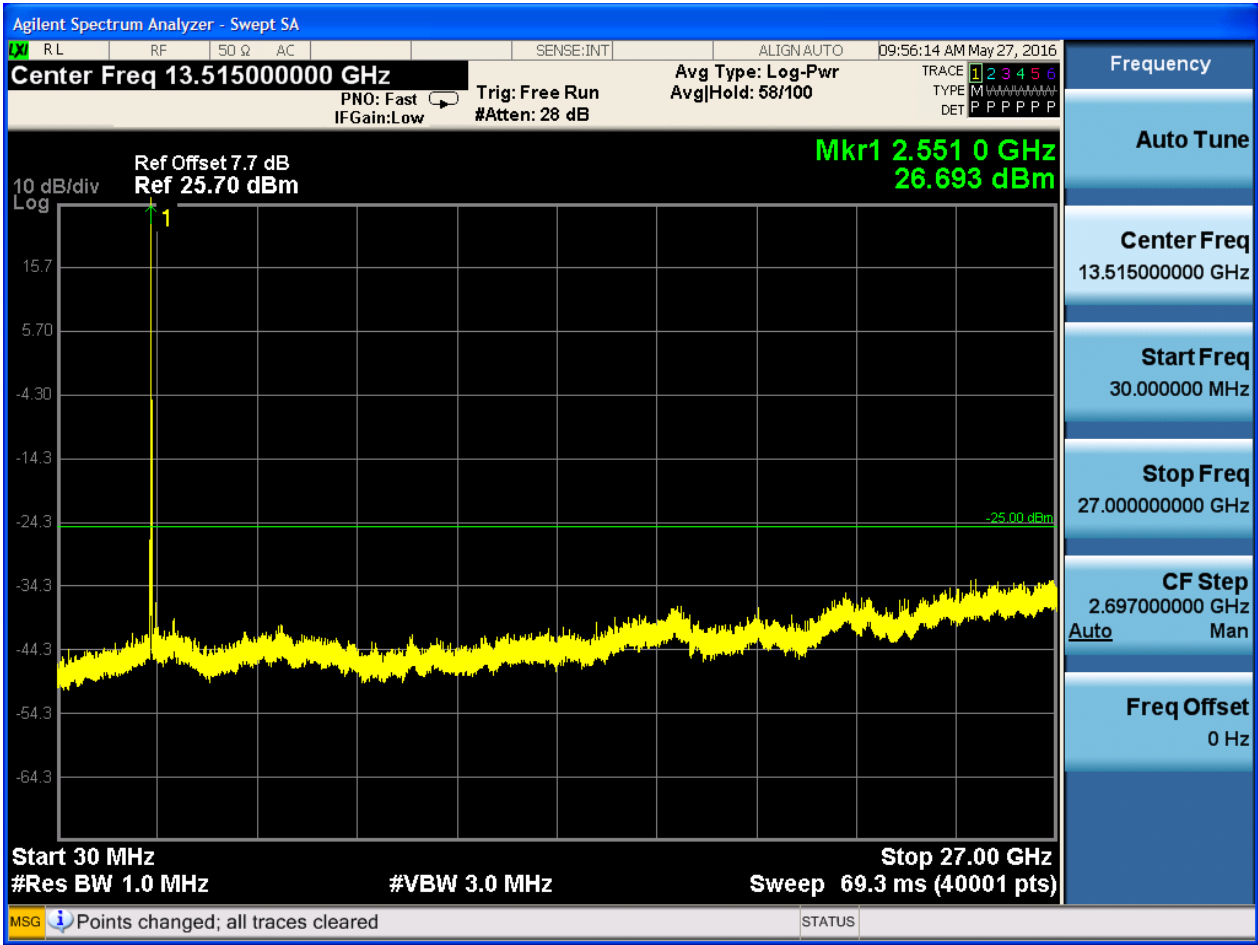


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

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

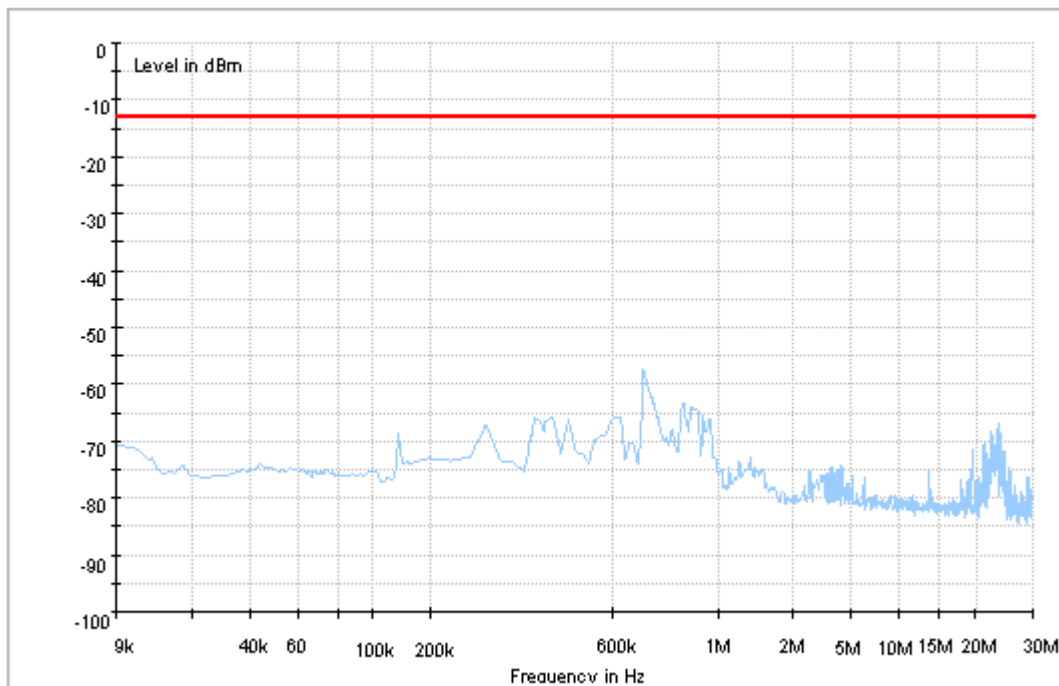
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

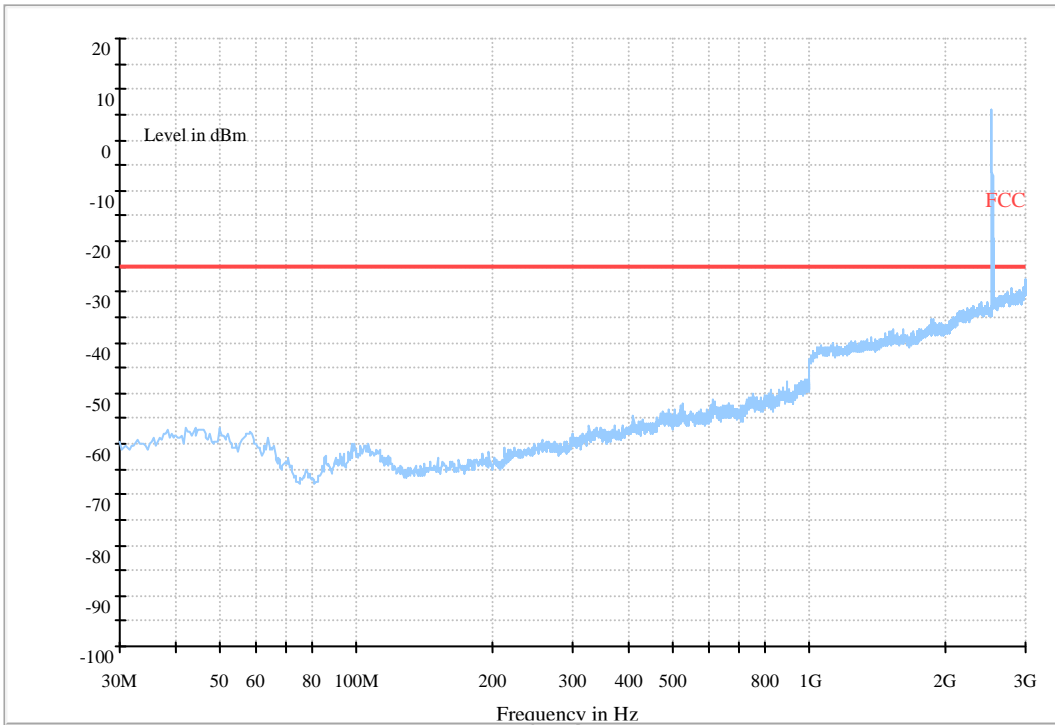
7.1 For LTE

7.1.1 Test Band = BAND7_Ant1

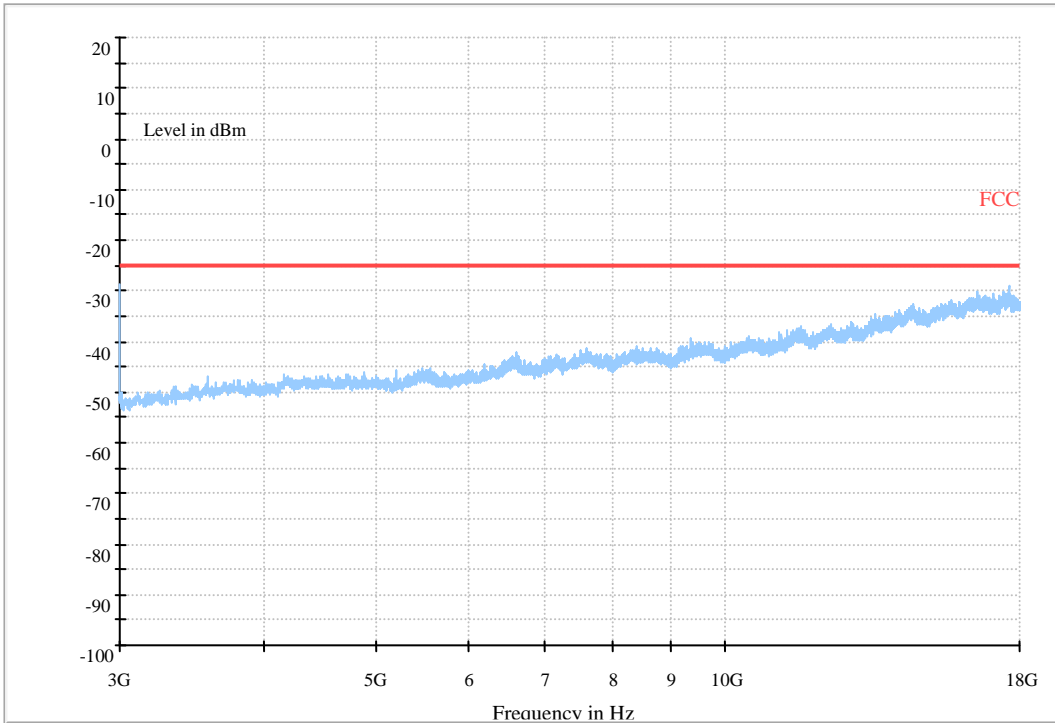
7.1.1.1 Test Bandwidth = 5

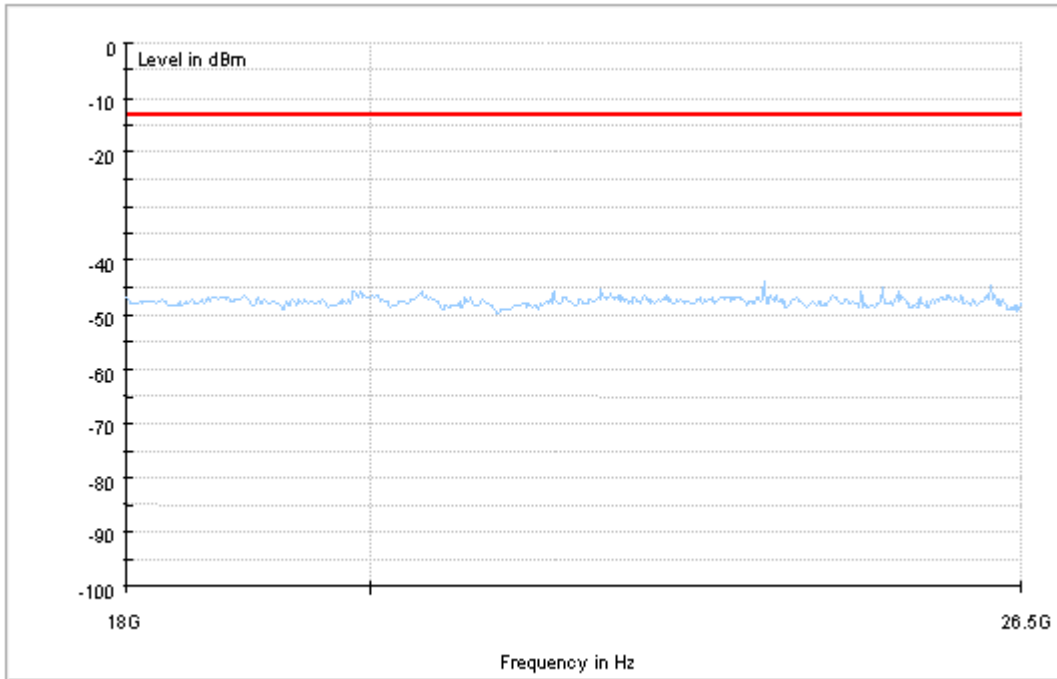


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

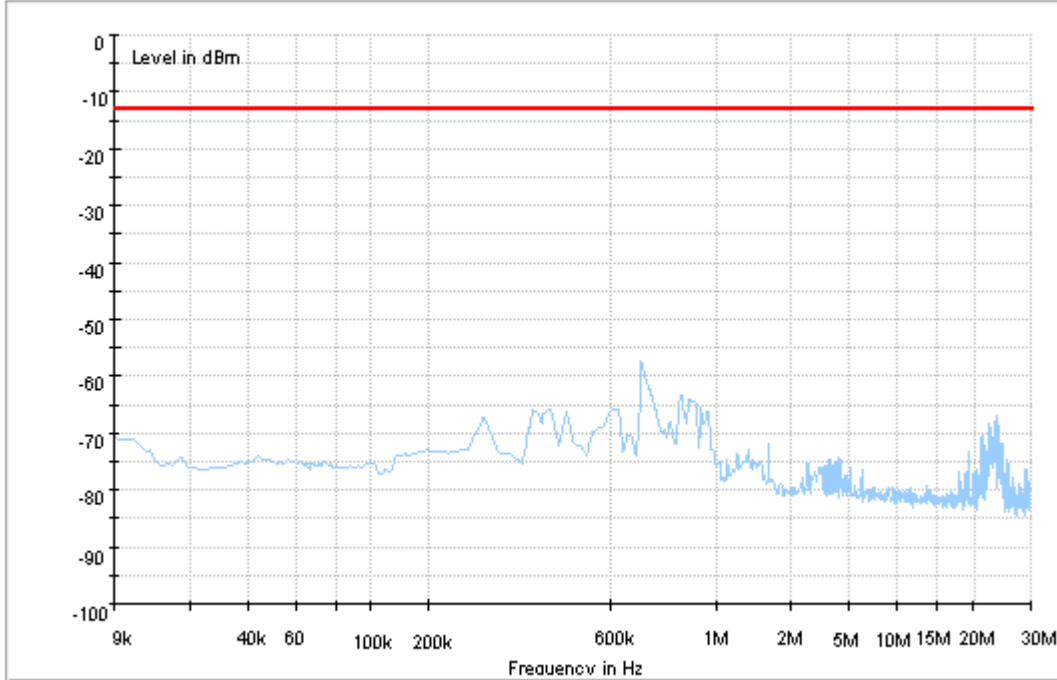


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

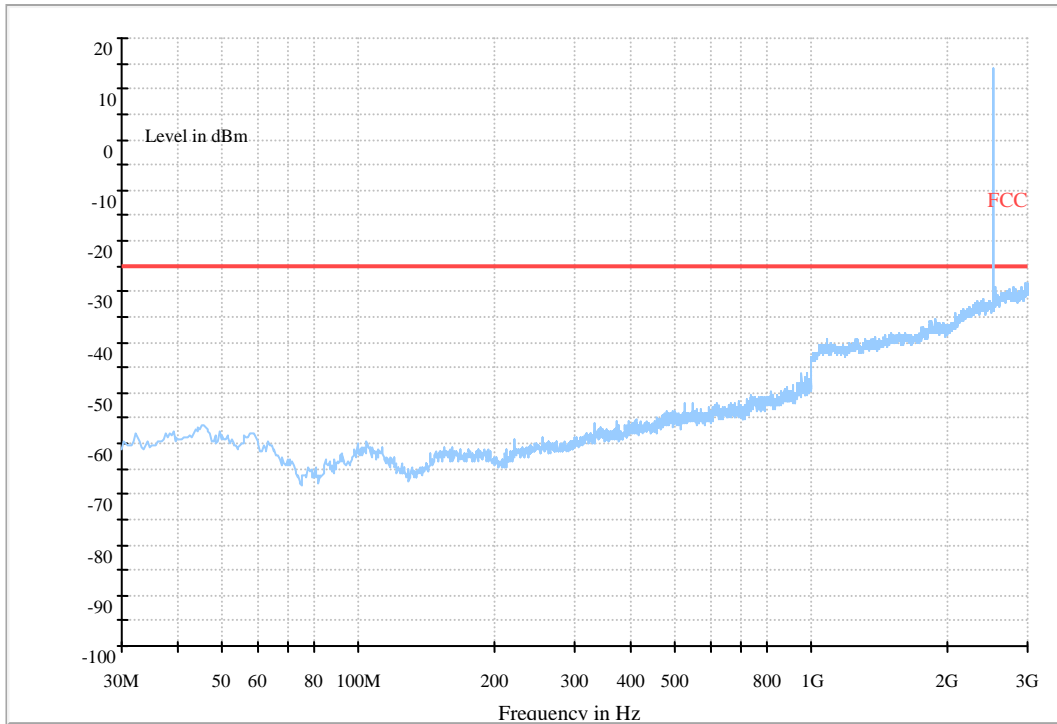




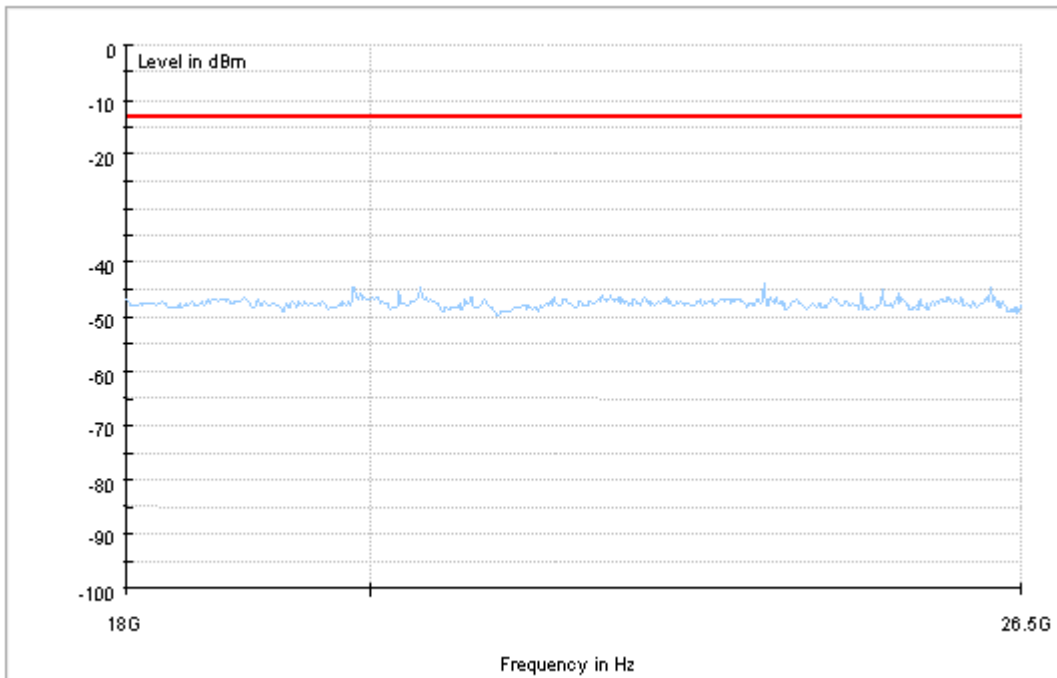
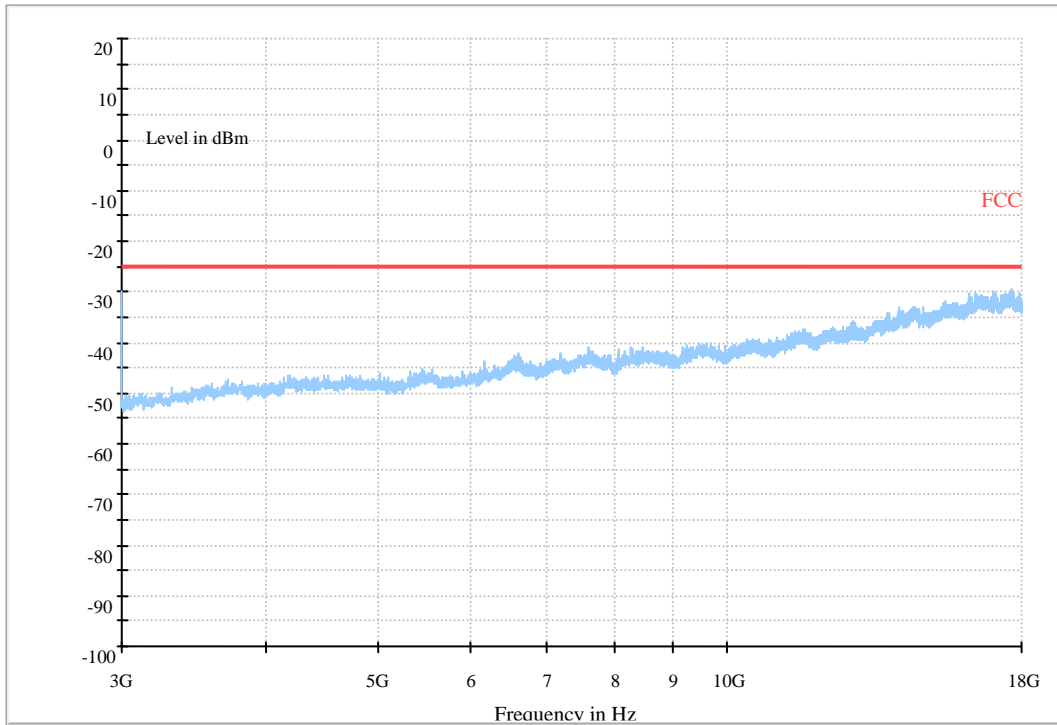
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

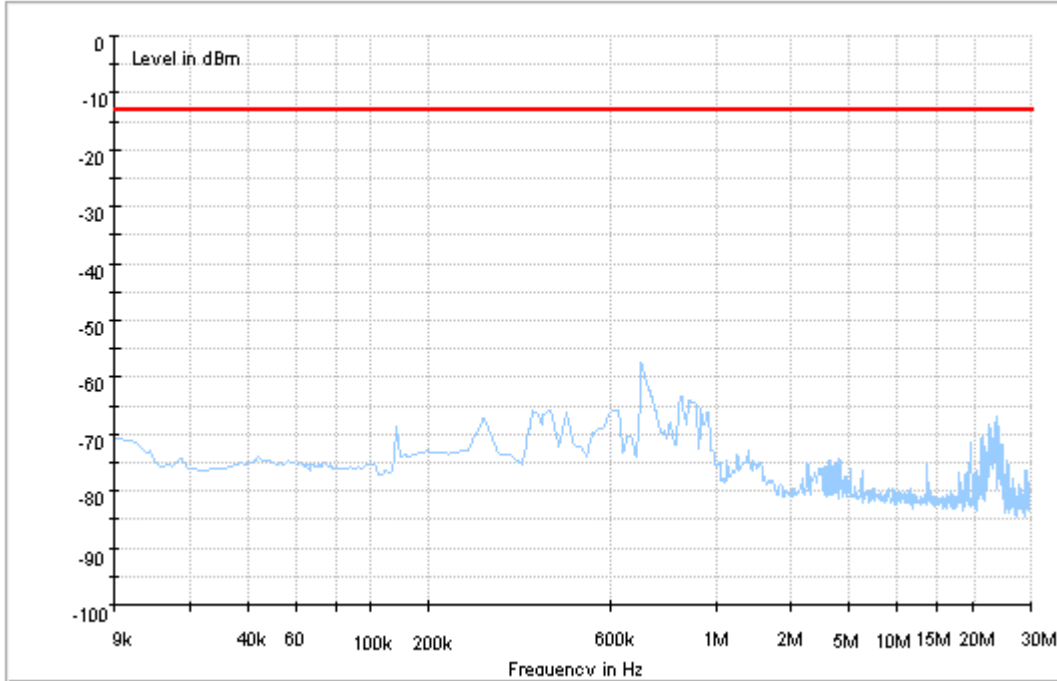


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

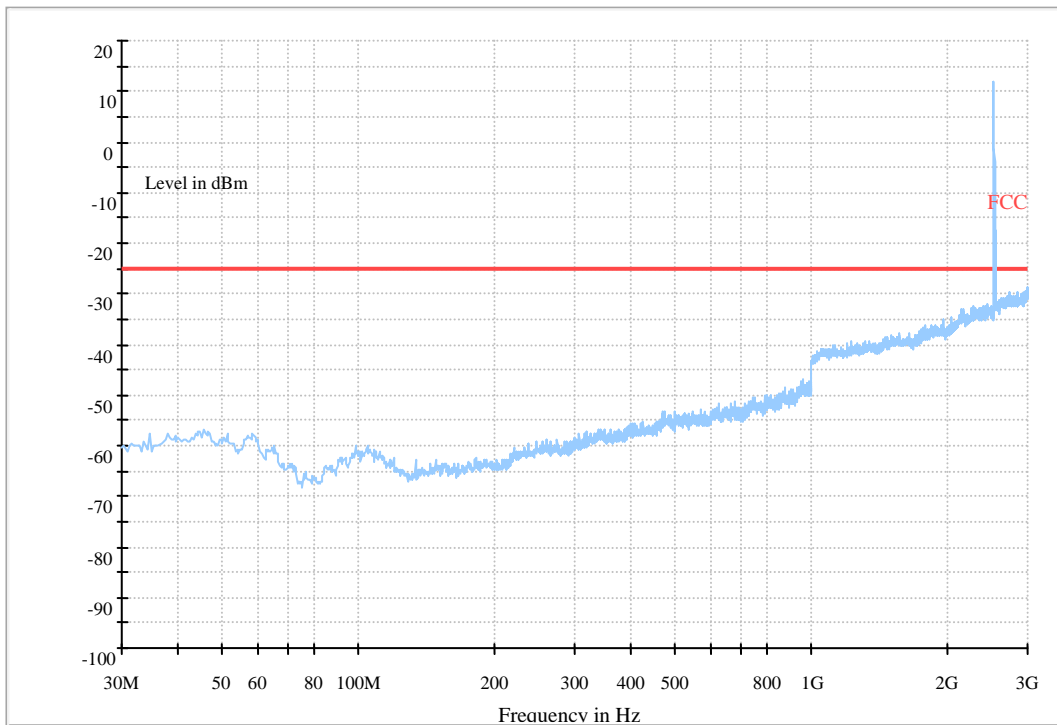


7.1.2 Test Band = BAND7_Ant2

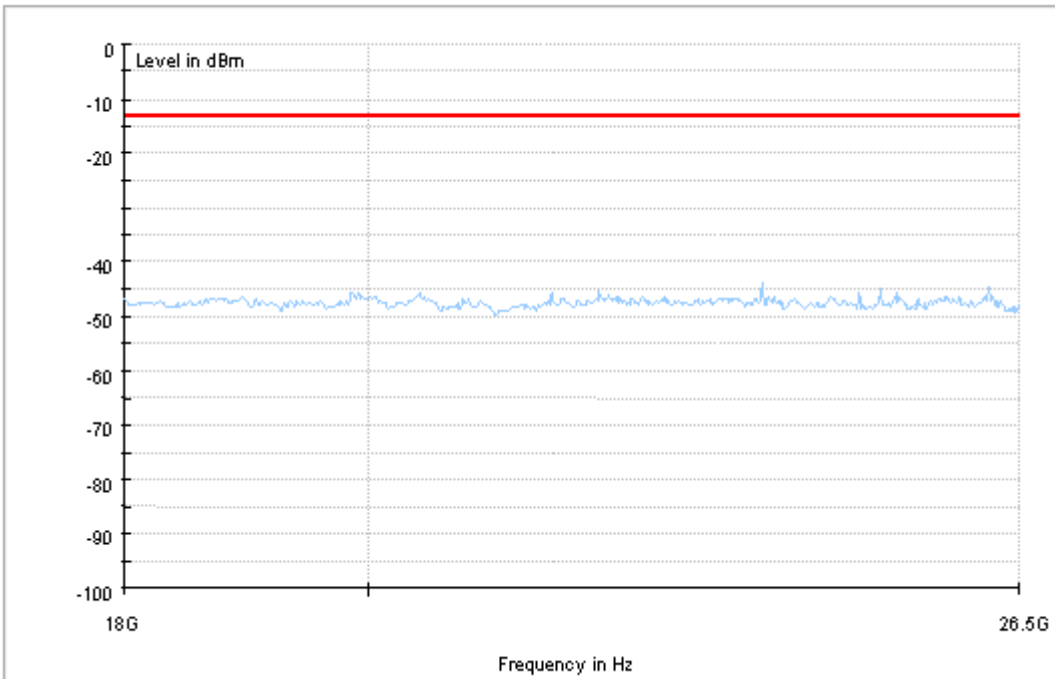
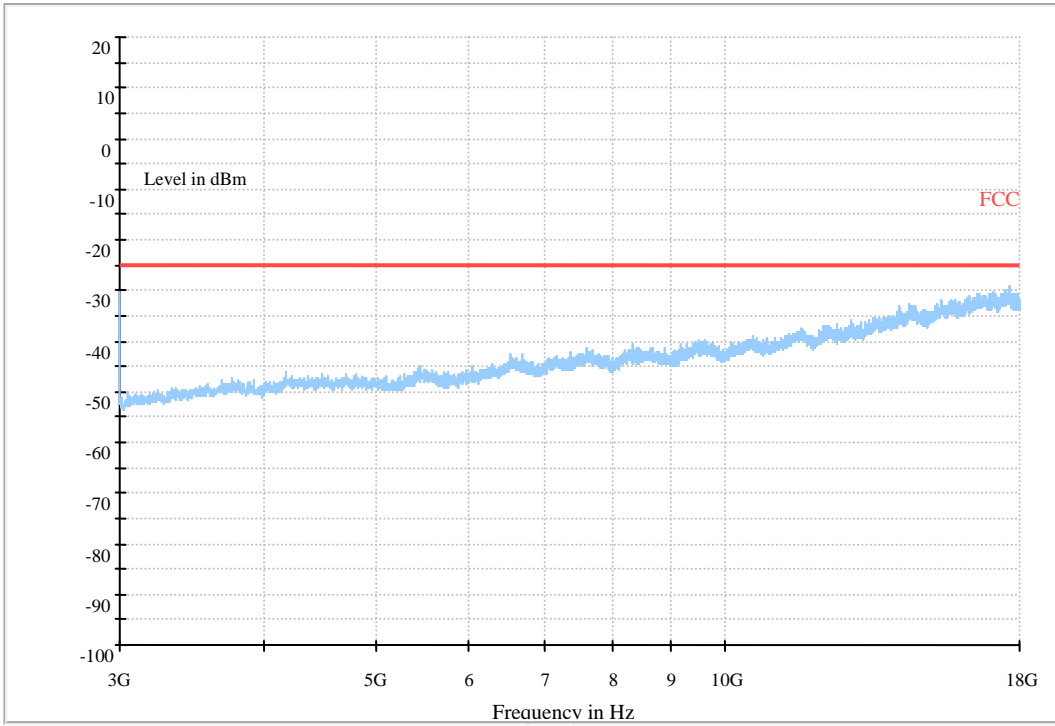
7.1.2.1 Test Bandwidth = 5



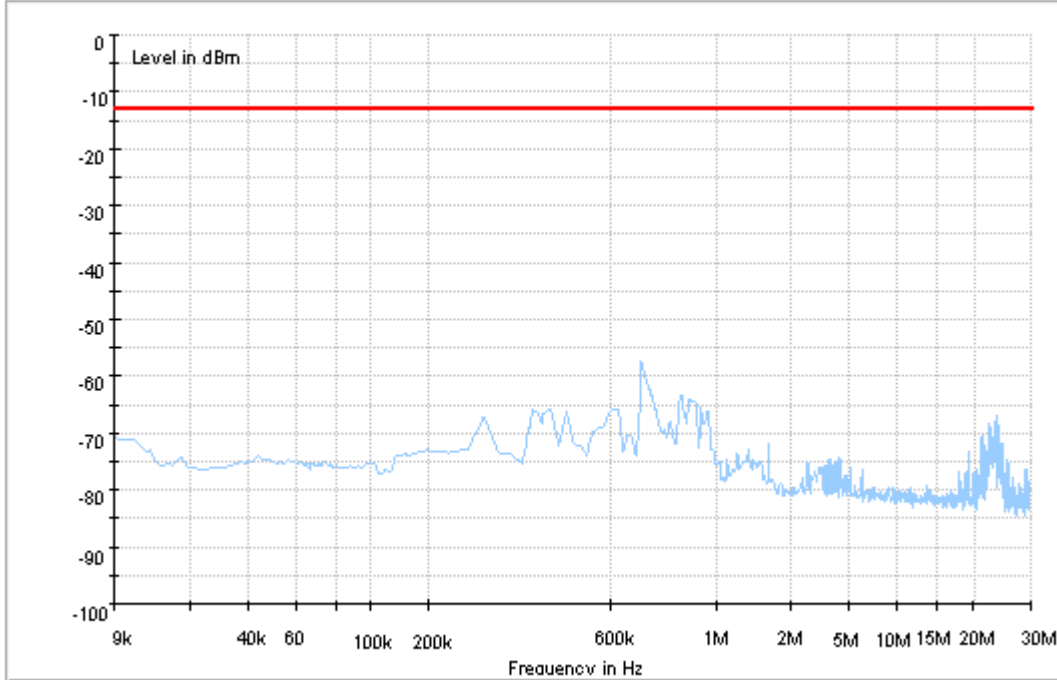
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



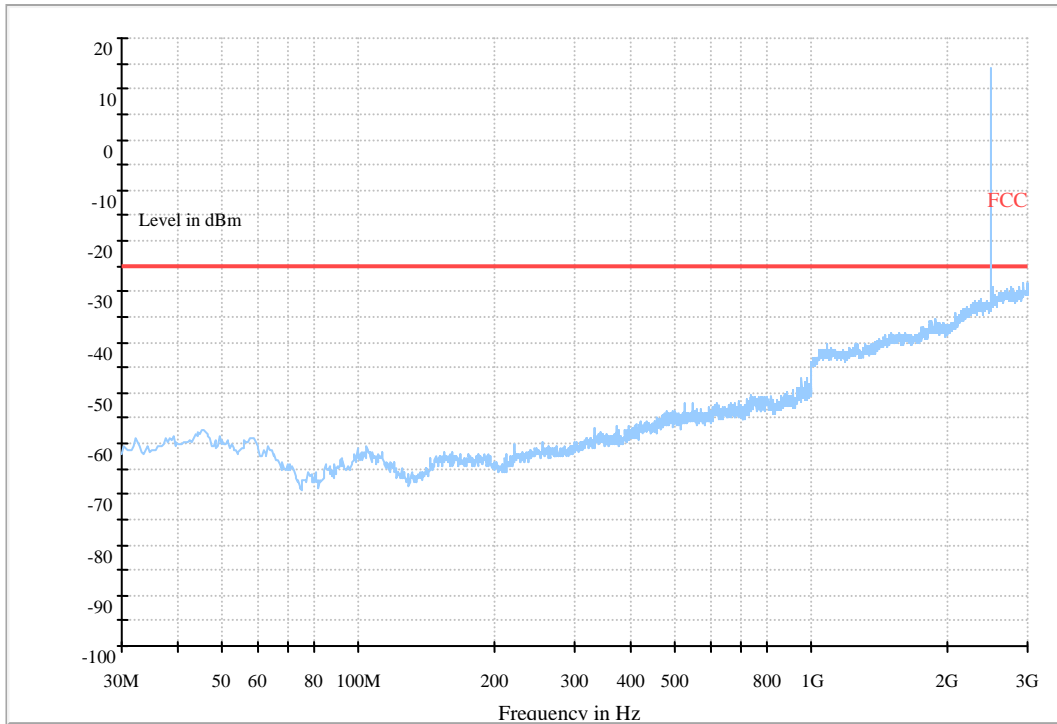
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



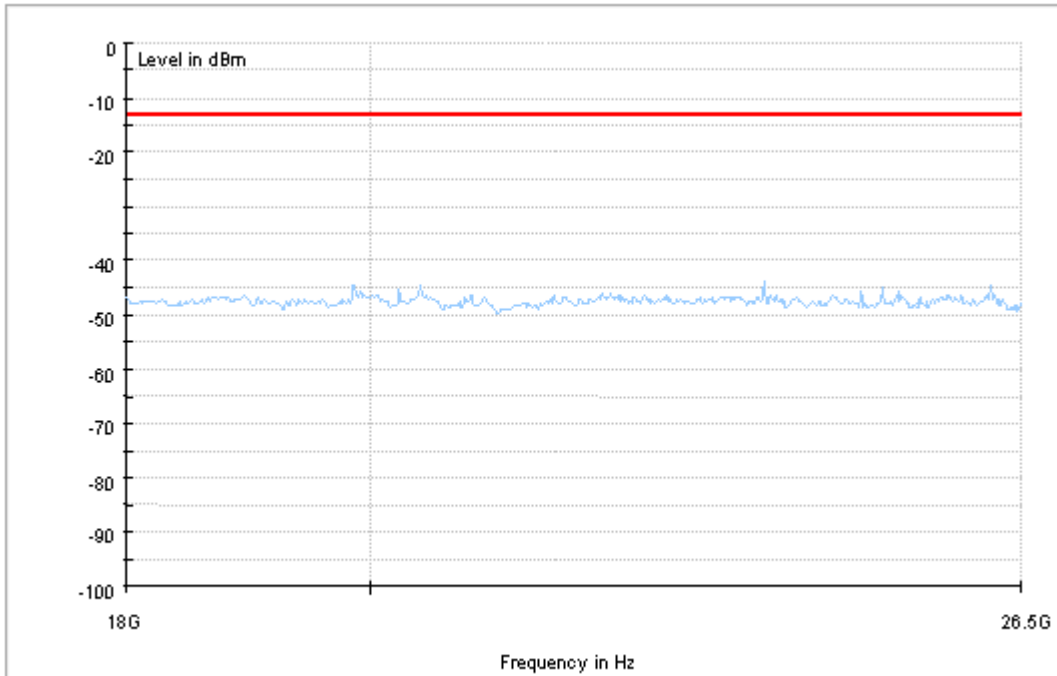
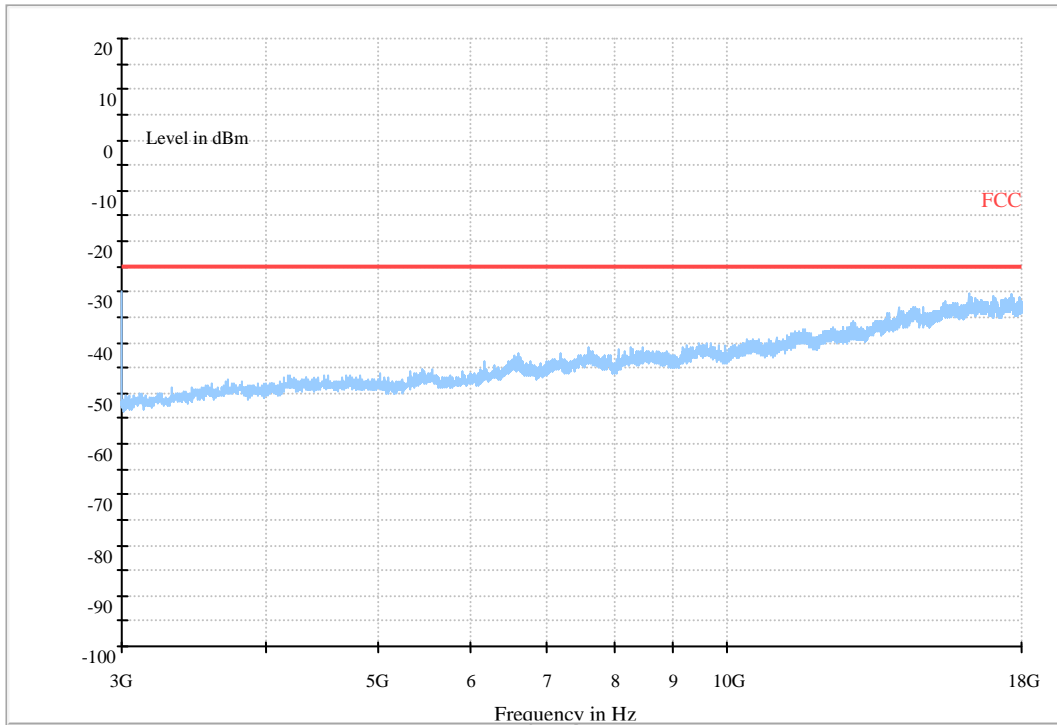
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



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	6.18	0.00247	PASS
					VN	-2.42	-0.00097	PASS
					VH	5.38	0.00215	PASS
			MCH	TN	VL	0.67	0.00026	PASS
					VN	-1.33	-0.00052	PASS
					VH	-2	-0.00079	PASS
			HCH	TN	VL	-2.09	-0.00081	PASS
					VN	-8.24	-0.00321	PASS
					VH	-7.54	-0.00294	PASS
		10	LCH	TN	VL	-0.4	-0.00016	PASS
					VN	-3.08	-0.00123	PASS
					VH	0.64	0.00026	PASS
			MCH	TN	VL	-4.19	-0.00165	PASS
					VN	-0.7	-0.00028	PASS
					VH	-4.98	-0.00196	PASS
			HCH	TN	VL	-4.76	-0.00186	PASS
					VN	-4.51	-0.00176	PASS
					VH	-4.49	-0.00175	PASS
		15	LCH	TN	VL	-0.2	-0.00008	PASS
					VN	-0.62	-0.00025	PASS
					VH	0.72	0.00029	PASS
			MCH	TN	VL	-2.65	-0.00105	PASS
					VN	-2.66	-0.00105	PASS
					VH	-2.26	-0.00089	PASS
HCH	TN		VL	-4.48	-0.00175	PASS		
			VN	-5.34	-0.00208	PASS		
			VH	-6.09	-0.00238	PASS		
20	LCH	TN	VL	1.79	0.00071	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
			MCH	TN	VN	0.62	0.00025	PASS		
					VH	0.77	0.00031	PASS		
					VL	0.47	0.00019	PASS		
					VN	-3.75	-0.00148	PASS		
					VH	-1.2	-0.00047	PASS		
					VL	-4.39	-0.00171	PASS		
			HCH	TN	VN	-5.35	-0.00209	PASS		
					VH	-3.89	-0.00152	PASS		
					VL	-2.86	-0.00114	PASS		
					LCH	TN	VN	7.61	0.00304	PASS
							VH	6.12	0.00245	PASS
							VL	4.59	0.00181	PASS
	MCH	TN	VN	-0.92	-0.00036	PASS				
			VH	1.13	0.00045	PASS				
			VL	-5.42	-0.00211	PASS				
			HCH	TN	VN	-6.68	-0.0026	PASS		
					VH	-5.44	-0.00212	PASS		
					VL	0.9	0.00036	PASS		
	10	LCH	TN	VN	4.41	0.00176	PASS			
				VH	4.92	0.00196	PASS			
				VL	-1.47	-0.00058	PASS			
		MCH	TN	VN	1.53	0.0006	PASS			
				VH	0.37	0.00015	PASS			
				VL	-2.5	-0.00097	PASS			
		HCH	TN	VN	-6.38	-0.00249	PASS			
				VH	-0.73	-0.00028	PASS			
				VL	1.99	0.00079	PASS			
	15	LCH	TN	VN	1.93	0.00077	PASS			
				VH	-0.29	-0.00012	PASS			
				VL	-1.83	-0.00072	PASS			
		MCH	TN	VN	-1.53	-0.0006	PASS			
				VH	-0.53	-0.00021	PASS			
				VL	-4.11	-0.0016	PASS			
		HCH	TN	VN	-4.28	-0.00167	PASS			
				VH	-4.19	-0.00164	PASS			
				VL	-0.27	-0.00011	PASS			
	20	LCH	TN	VN	0.87	0.00035	PASS			
				VH	0.03	0.00001	PASS			
				MCH	TN	VL	1.07	0.00042	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-3.15	-0.00126	PASS
					VH	-0.54	-0.00021	PASS
			HCH	TN	VL	-3.88	-0.00152	PASS
					VN	-3.66	-0.00143	PASS
					VH	-3.18	-0.00124	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	2.29	0.00092	PASS
					-20	-0.77	-0.00031	PASS
					-10	5.08	0.00203	PASS
					0	-1.4	-0.00056	PASS
					10	2.65	0.00106	PASS
					20	2.33	0.00093	PASS
					30	-0.57	-0.00023	PASS
					40	3.18	0.00127	PASS
			MCH	VN	50	1.33	0.00053	PASS
					-30	-0.66	-0.00026	PASS
					-20	-2.53	-0.001	PASS
					-10	2.76	0.00109	PASS
					0	-6.67	-0.00263	PASS
					10	-3.25	-0.00128	PASS
					20	-0.79	-0.00031	PASS
					30	-1.3	-0.00051	PASS
			HCH	VN	40	-2.39	-0.00094	PASS
					50	0.93	0.00037	PASS
					-30	-7.25	-0.00282	PASS
					-20	-5.48	-0.00213	PASS
					-10	-7.8	-0.00304	PASS
					0	-4.84	-0.00189	PASS
					10	-6.75	-0.00263	PASS
					20	-5.79	-0.00226	PASS
			LCH	VN	30	-0.89	-0.00035	PASS
					40	-6.39	-0.00249	PASS
			50	-4.72	-0.00184	PASS		
			10	LCH	VN	-30	1.44	0.00057

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-2.1	-0.00084	PASS	
					-10	0.47	0.00019	PASS	
					0	1.82	0.00073	PASS	
					10	3.03	0.00121	PASS	
					20	2.33	0.00093	PASS	
					30	0.47	0.00019	PASS	
					40	0.1	0.00004	PASS	
					50	0.31	0.00012	PASS	
			MCH	VN	-30	-3.13	-0.00123	PASS	
					-20	-0.03	-0.00001	PASS	
					-10	-4.81	-0.0019	PASS	
					0	1.19	0.00047	PASS	
					10	-4.46	-0.00176	PASS	
					20	-1.54	-0.00061	PASS	
					30	-0.26	-0.0001	PASS	
					40	-1.65	-0.00065	PASS	
			HCH	VN	-30	-3.18	-0.00124	PASS	
					-20	-2.55	-0.00099	PASS	
					-10	-3.28	-0.00128	PASS	
					0	-3.75	-0.00146	PASS	
					10	-5.44	-0.00212	PASS	
					20	-3.53	-0.00138	PASS	
					30	-3.36	-0.00131	PASS	
					40	-3.09	-0.0012	PASS	
			15	LCH	VN	-30	-0.63	-0.00025	PASS
						-20	1.93	0.00077	PASS
						-10	-0.49	-0.0002	PASS
						0	3.13	0.00125	PASS
		10				-1.44	-0.00057	PASS	
		20				1.32	0.00053	PASS	
		30				0.36	0.00014	PASS	
		40				-0.24	-0.0001	PASS	
		MCH		VN	-30	0.54	0.00021	PASS	
					-20	-5.32	-0.0021	PASS	
					-10	-1.8	-0.00071	PASS	
					0	-6.75	-0.00266	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.13	0.00005	PASS
					20	-0.29	-0.00011	PASS
					30	-2.2	-0.00087	PASS
					40	-1.19	-0.00047	PASS
					50	-0.44	-0.00017	PASS
			HCH	VN	-30	-3.05	-0.00119	PASS
					-20	-3.23	-0.00126	PASS
					-10	-5.14	-0.00201	PASS
					0	-3.39	-0.00132	PASS
					10	-3.03	-0.00118	PASS
					20	-1.03	-0.0004	PASS
					30	-4.42	-0.00172	PASS
					40	-3.15	-0.00126	PASS
			LCH	VN	50	-1.82	-0.00073	PASS
					-30	-5.15	-0.00206	PASS
					-20	-3.08	-0.00121	PASS
					-10	-3.59	-0.00142	PASS
					0	-6.11	-0.00241	PASS
		10			-2.3	-0.0009	PASS	
		20			-3.85	-0.0015	PASS	
		30			-12.65	-0.00493	PASS	
		40			-0.27	-0.00011	PASS	
		MCH	VN	50	6.44	0.00257	PASS	
				-30	-15.91	-0.00635	PASS	
				-20	-0.69	-0.00027	PASS	
				-10	5.25	0.00207	PASS	
				0	0.3	0.00012	PASS	
				10	-1.26	-0.00049	PASS	
				20	-3.25	-0.00127	PASS	
				30	-5.18	-0.00202	PASS	
		HCH	VN	40	-1.44	-0.00057	PASS	
				50	1.47	0.00059	PASS	
				-30	2.47	0.00097	PASS	
				-20	0.49	0.00019	PASS	
				-10	-1.33	-0.00052	PASS	
				0	-2.46	-0.00096	PASS	
10	-4.08			-0.00159	PASS			
20	-5.58	-0.00218	PASS					
30	-1.04	-0.00041	PASS					
20								



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	40	0.2	0.00008	PASS
					50	-0.3	-0.00012	PASS
					-30	2.45	0.00098	PASS
					-20	2.02	0.00081	PASS
					-10	3.58	0.00143	PASS
					0	5.72	0.00229	PASS
					10	2.16	0.00086	PASS
					20	6.95	0.00278	PASS
					30	5.44	0.00217	PASS
					40	-1.96	-0.00078	PASS
			50	7.38	0.00295	PASS		
			MCH	VN	-30	-3.78	-0.00149	PASS
					-20	0.13	0.00005	PASS
					-10	1.7	0.00067	PASS
					0	0.16	0.00006	PASS
					10	-1.09	-0.00043	PASS
					20	-2.02	-0.0008	PASS
					30	-2.29	-0.0009	PASS
					40	-0.14	-0.00006	PASS
					50	-3.63	-0.00143	PASS
		HCH			VN	-30	-1.42	-0.00055
			-20	-5.42		-0.00211	PASS	
			-10	-3.13		-0.00122	PASS	
			0	-4.13		-0.00161	PASS	
			10	-3.48		-0.00136	PASS	
			20	-2.99		-0.00116	PASS	
			30	-3.3		-0.00129	PASS	
			40	-1.29		-0.0005	PASS	
			50	0.19		0.00007	PASS	
			10	LCH		VN	-30	-5.36
		-20			5.11		0.00204	PASS
		-10			7.07		0.00282	PASS
		0			5.02		0.002	PASS
		10			-6.62		-0.00264	PASS
		20			-0.06		-0.00002	PASS
		30			1.19		0.00048	PASS
		40			-2.49		-0.00099	PASS
		50			1.03		0.00041	PASS
		MCH			VN		-30	-1.75



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-1.09	-0.00043	PASS		
					20	-3.19	-0.00124	PASS		
					30	-2.16	-0.00084	PASS		
					40	-5.35	-0.00209	PASS		
					50	0.09	0.00004	PASS		
		20	LCH	VN	-30	4.92	0.00196	PASS		
					-20	2.02	0.0008	PASS		
					-10	6.94	0.00276	PASS		
					0	-0.29	-0.00012	PASS		
					10	5.89	0.00235	PASS		
					20	1.07	0.00043	PASS		
					30	6.62	0.00264	PASS		
					40	-0.67	-0.00027	PASS		
					50	-0.66	-0.00026	PASS		
					MCH	VN	-30	2.29	0.0009	PASS
							-20	-1.77	-0.0007	PASS
							-10	-0.74	-0.00029	PASS
							0	-0.9	-0.00036	PASS
							10	0.5	0.0002	PASS
							20	0.16	0.00006	PASS
		30	-0.21	-0.00008			PASS			
		40	-0.04	-0.00002			PASS			
		HCH	VN	-30	-2.55	-0.001	PASS			
				-20	-2.79	-0.00109	PASS			
				-10	-0.87	-0.00034	PASS			
				0	-2.76	-0.00108	PASS			
				10	-1.65	-0.00064	PASS			
				20	-0.66	-0.00026	PASS			
				30	-3.18	-0.00124	PASS			
				40	-1.67	-0.00065	PASS			
50	-1.75	-0.00068	PASS							

END