

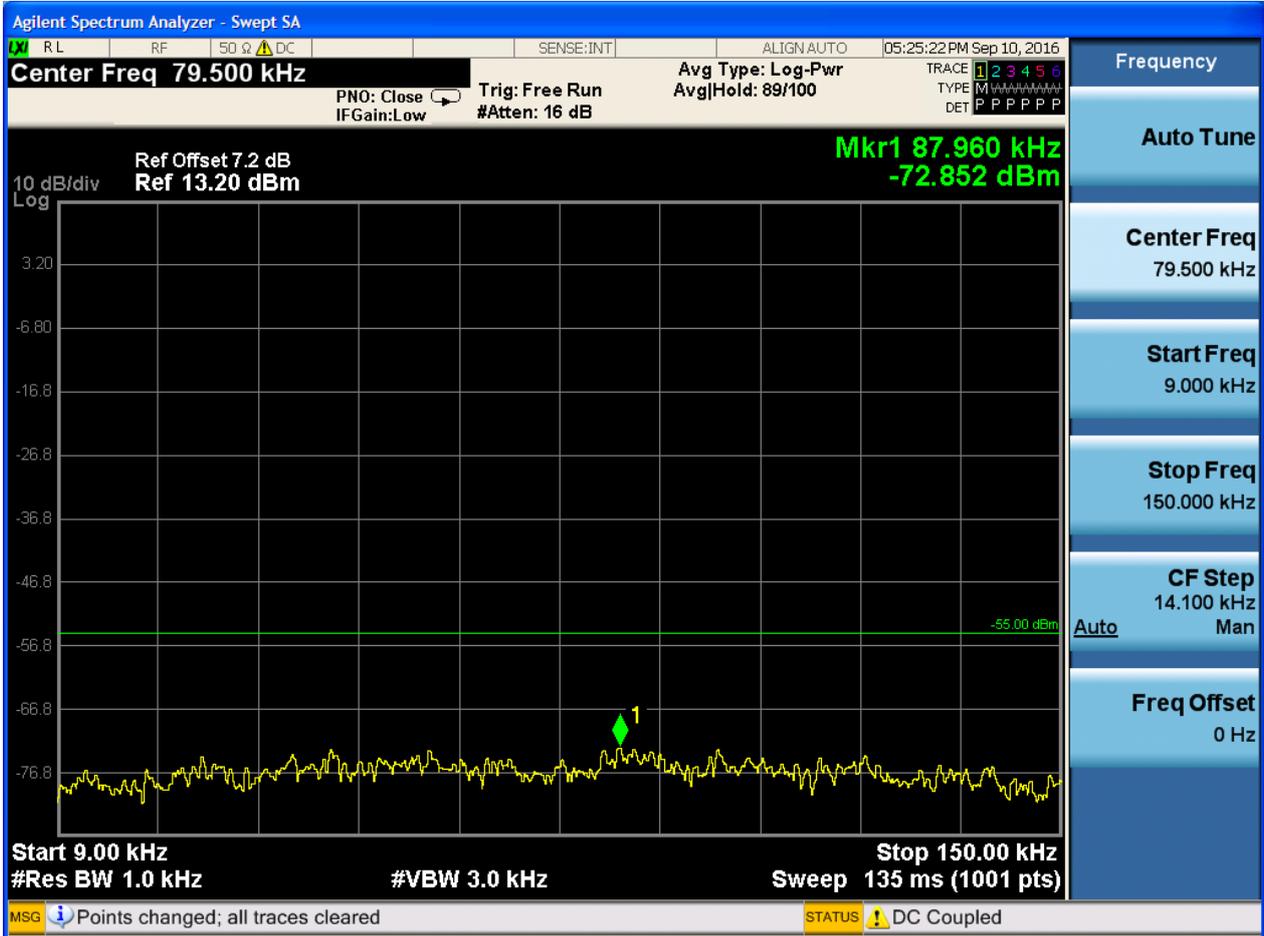


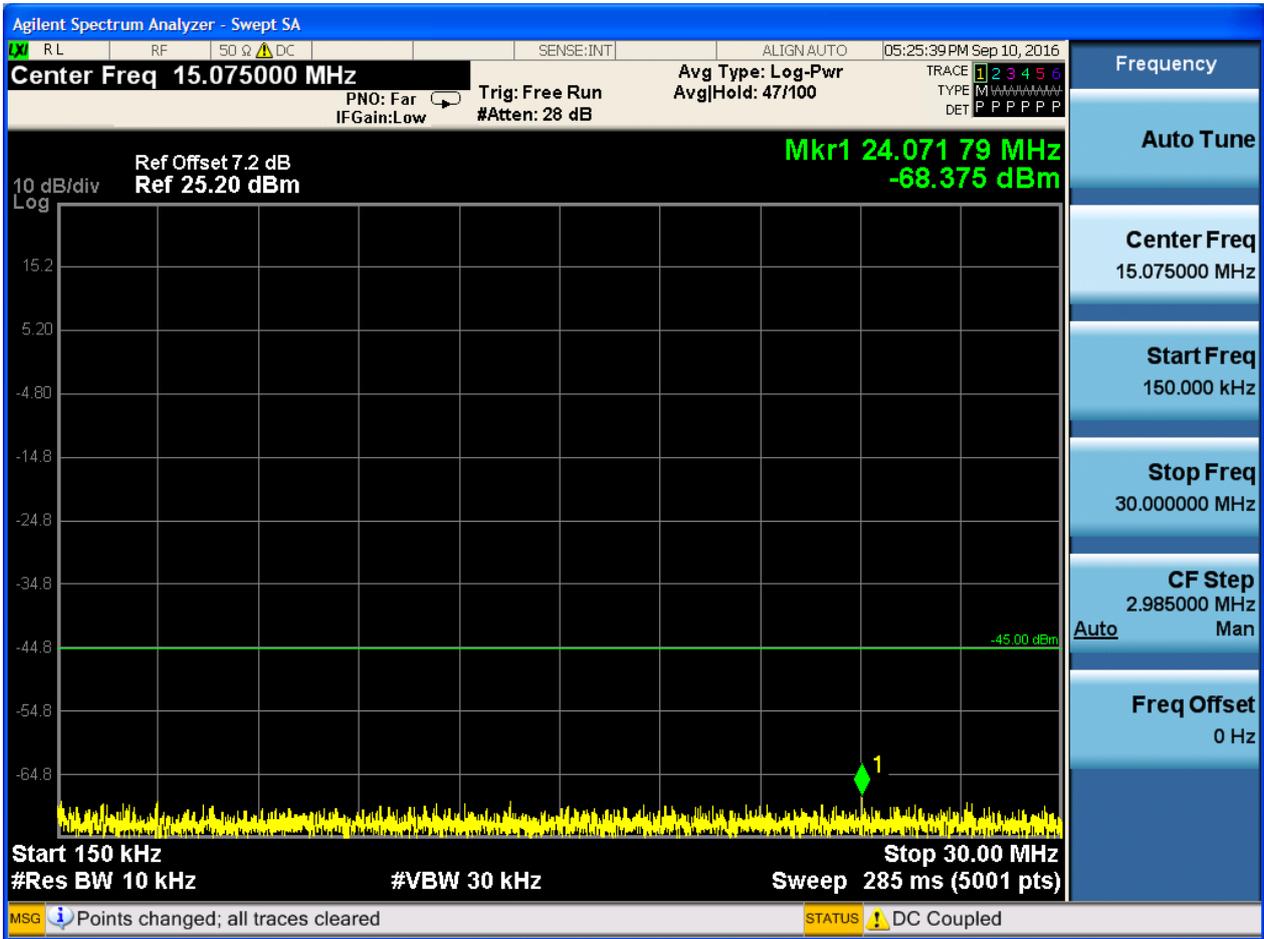


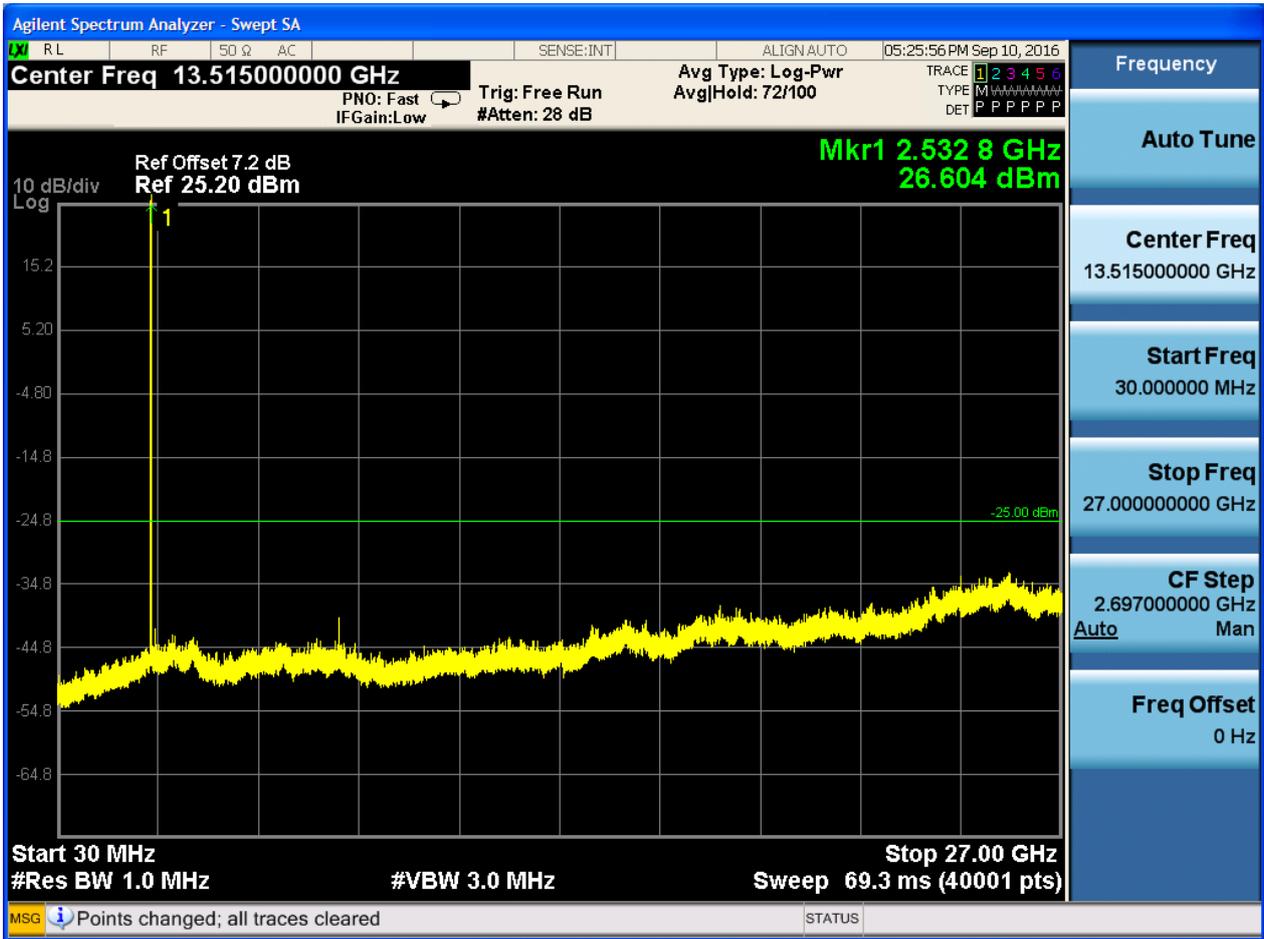


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



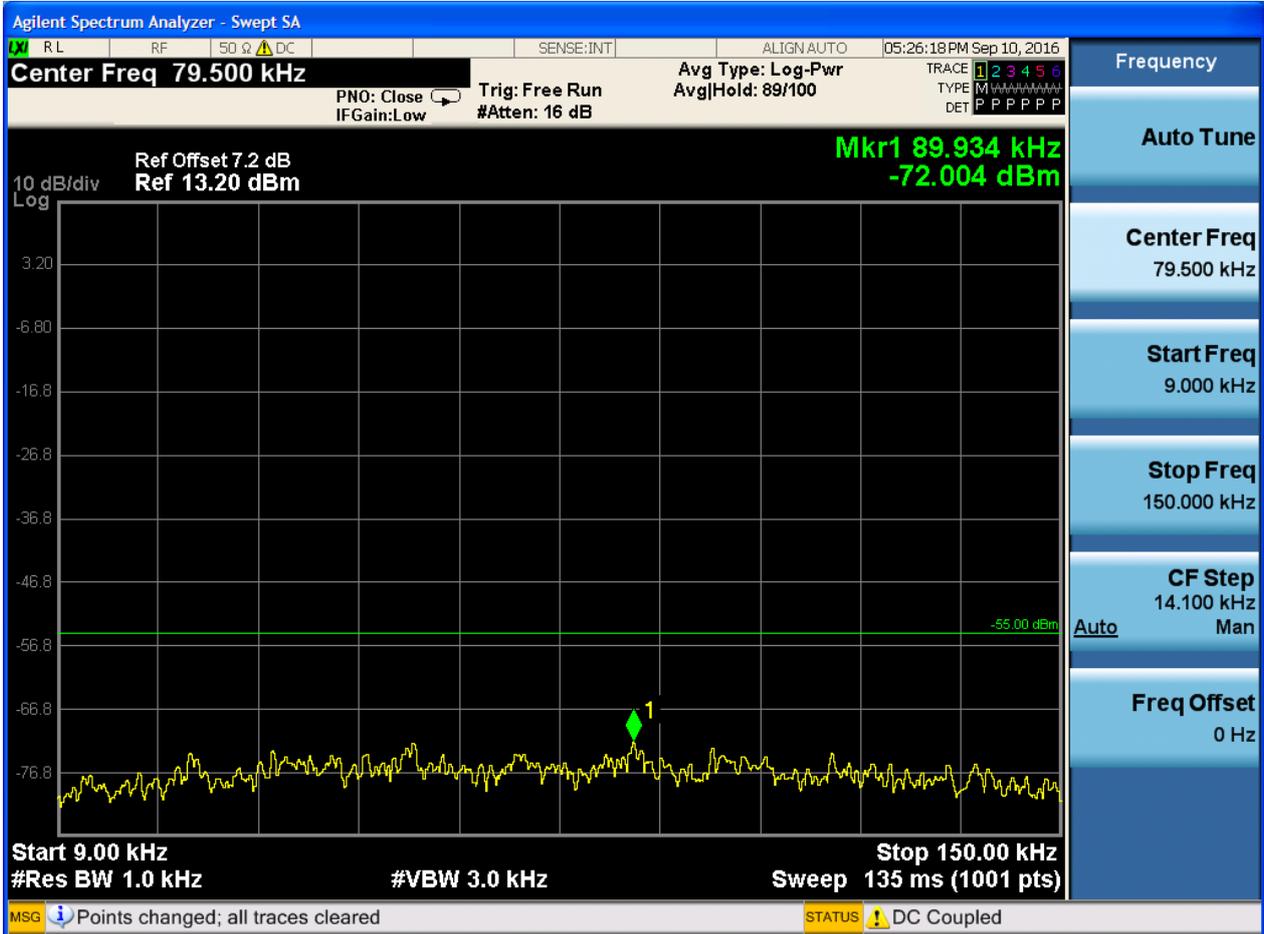




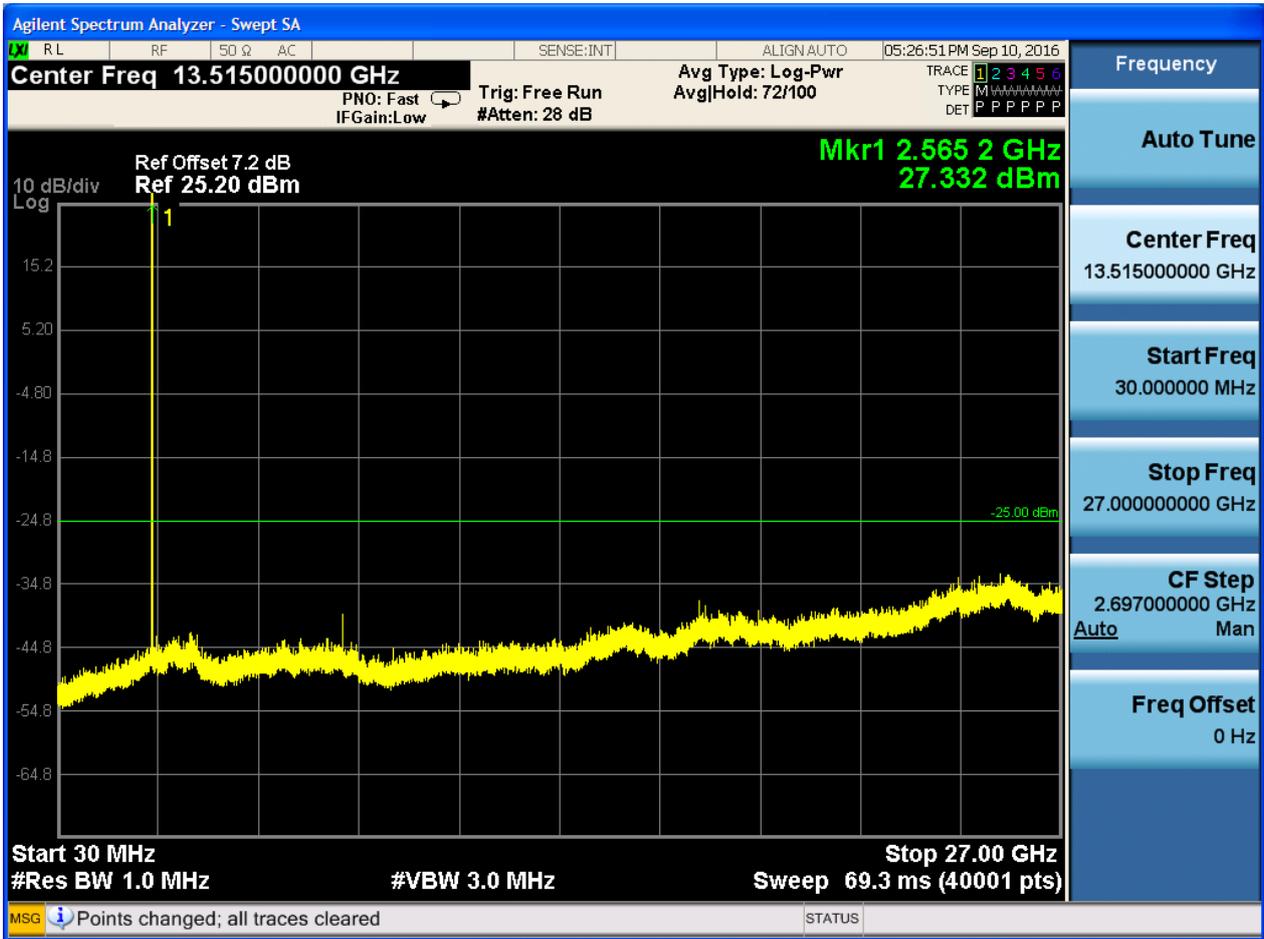


6.1.1.1.3 Test Channel = HCH

6.1.1.1.3.1 Test RB = RB1#0





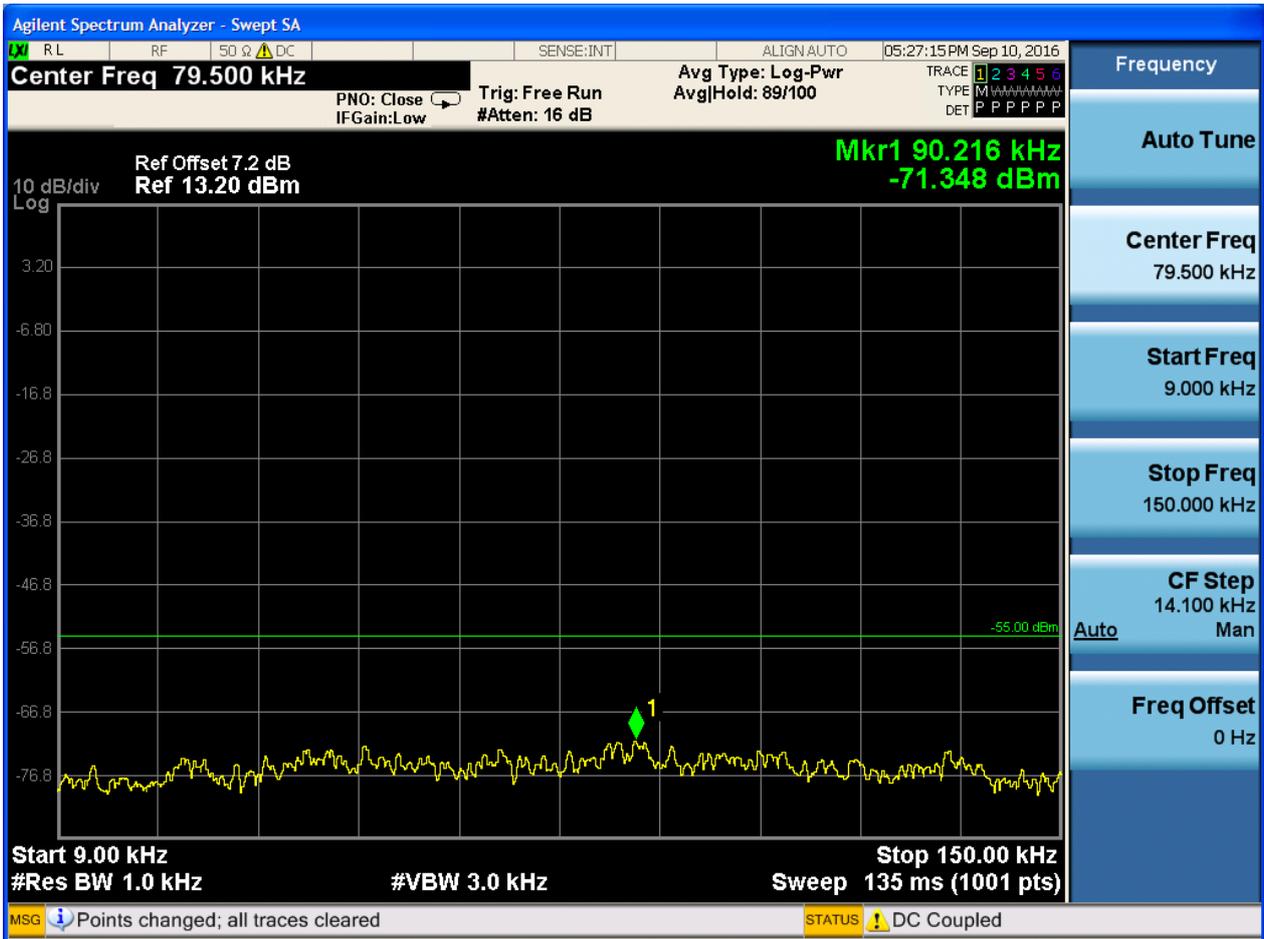


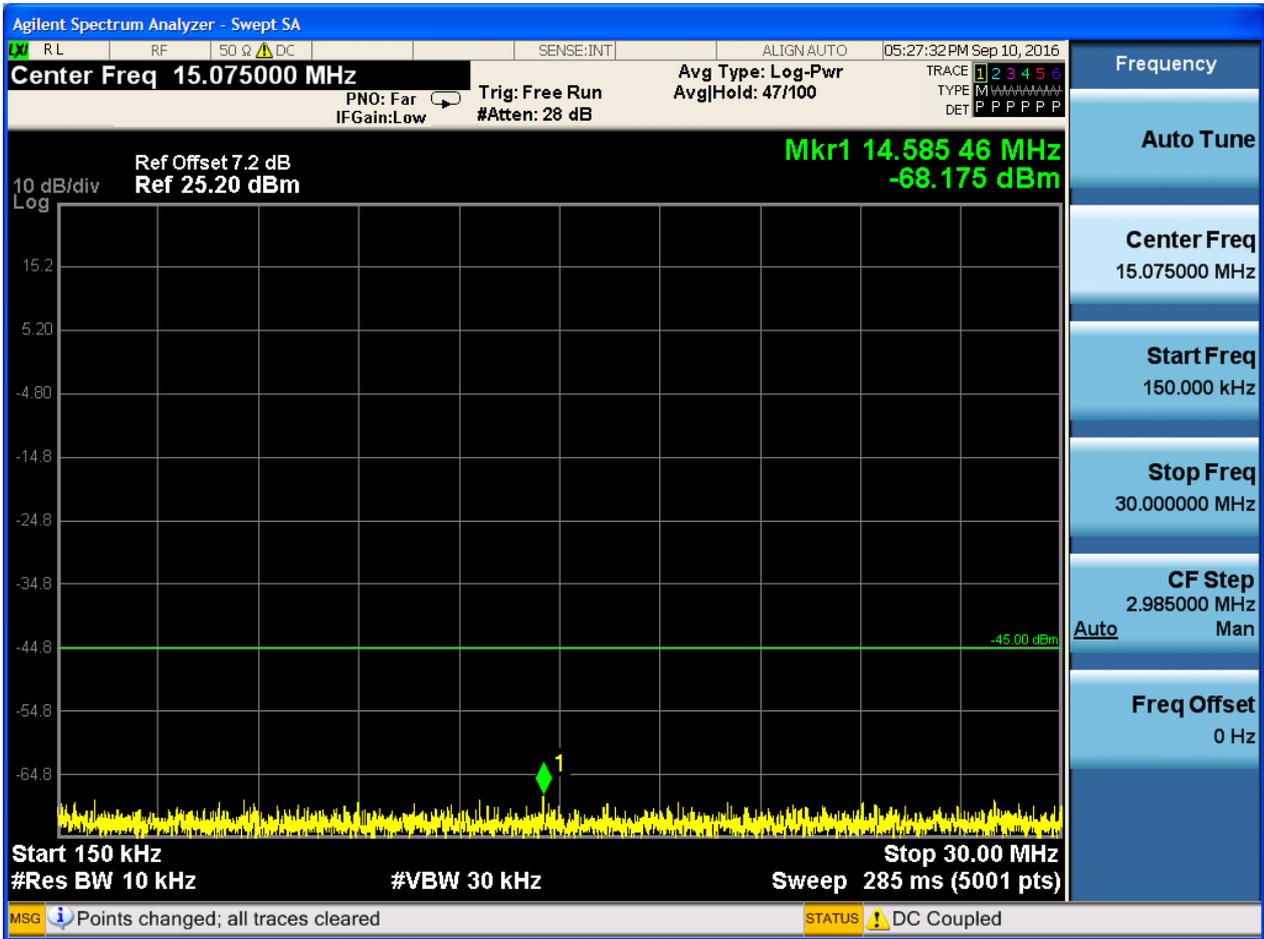


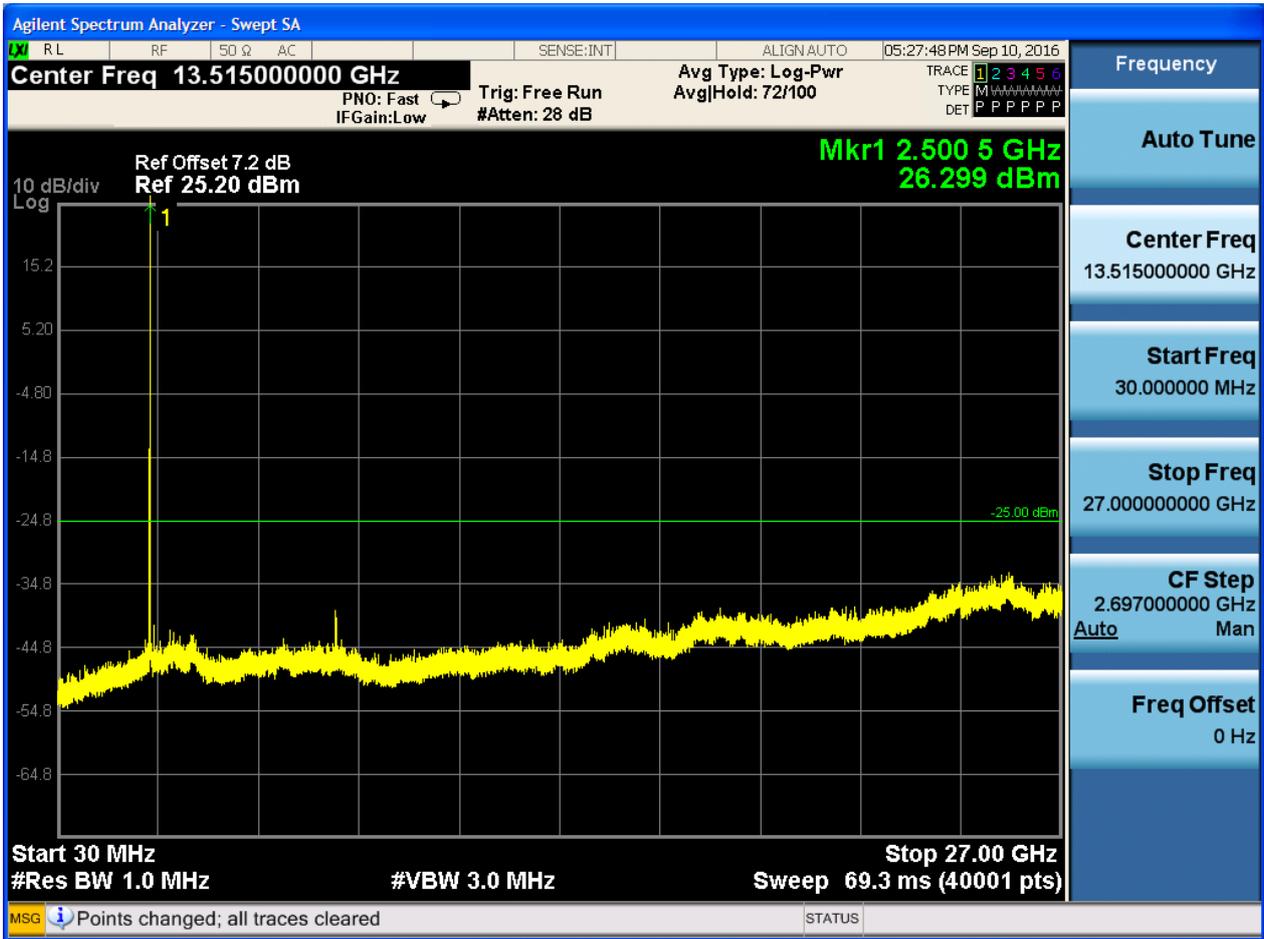
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



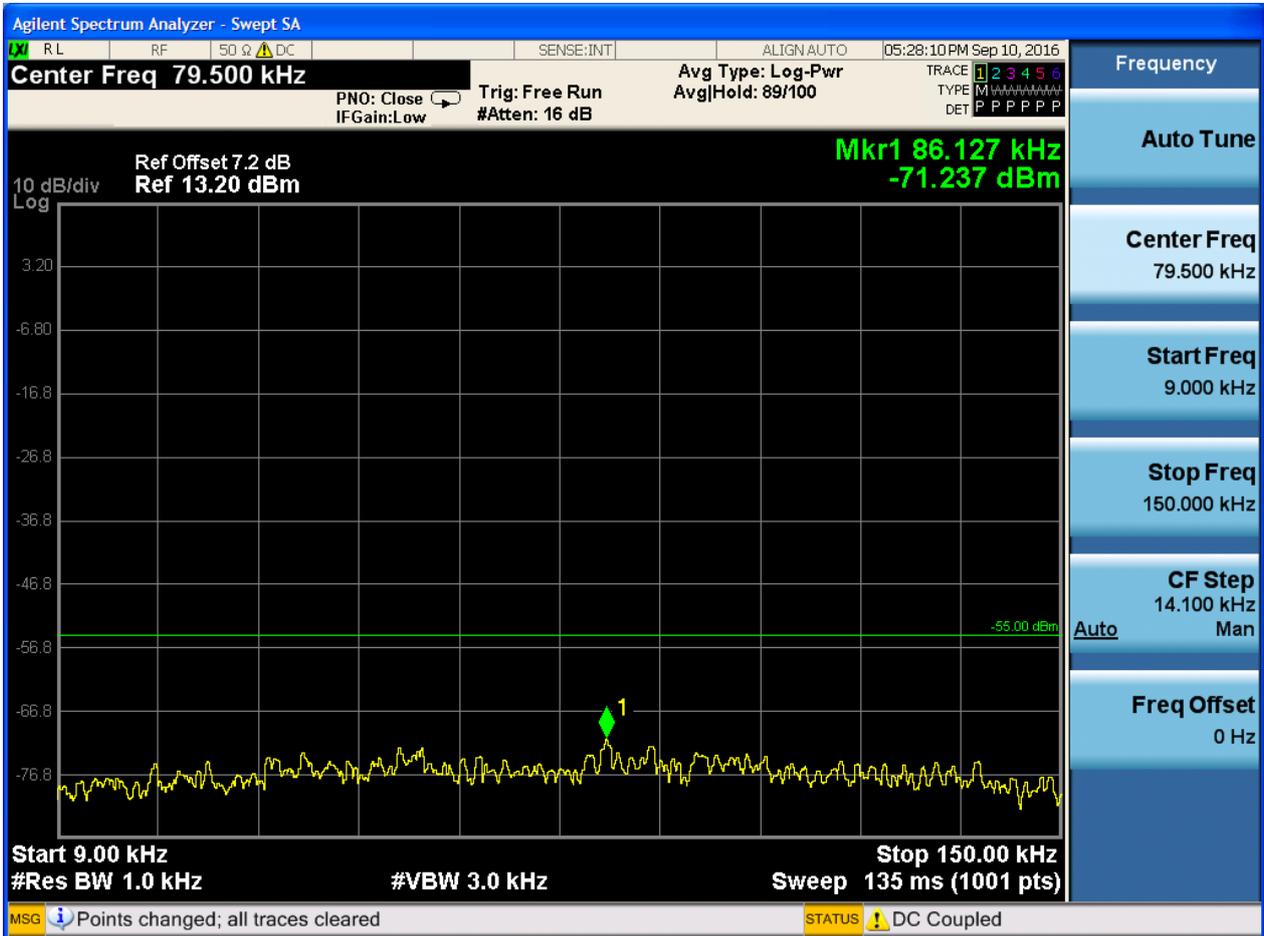


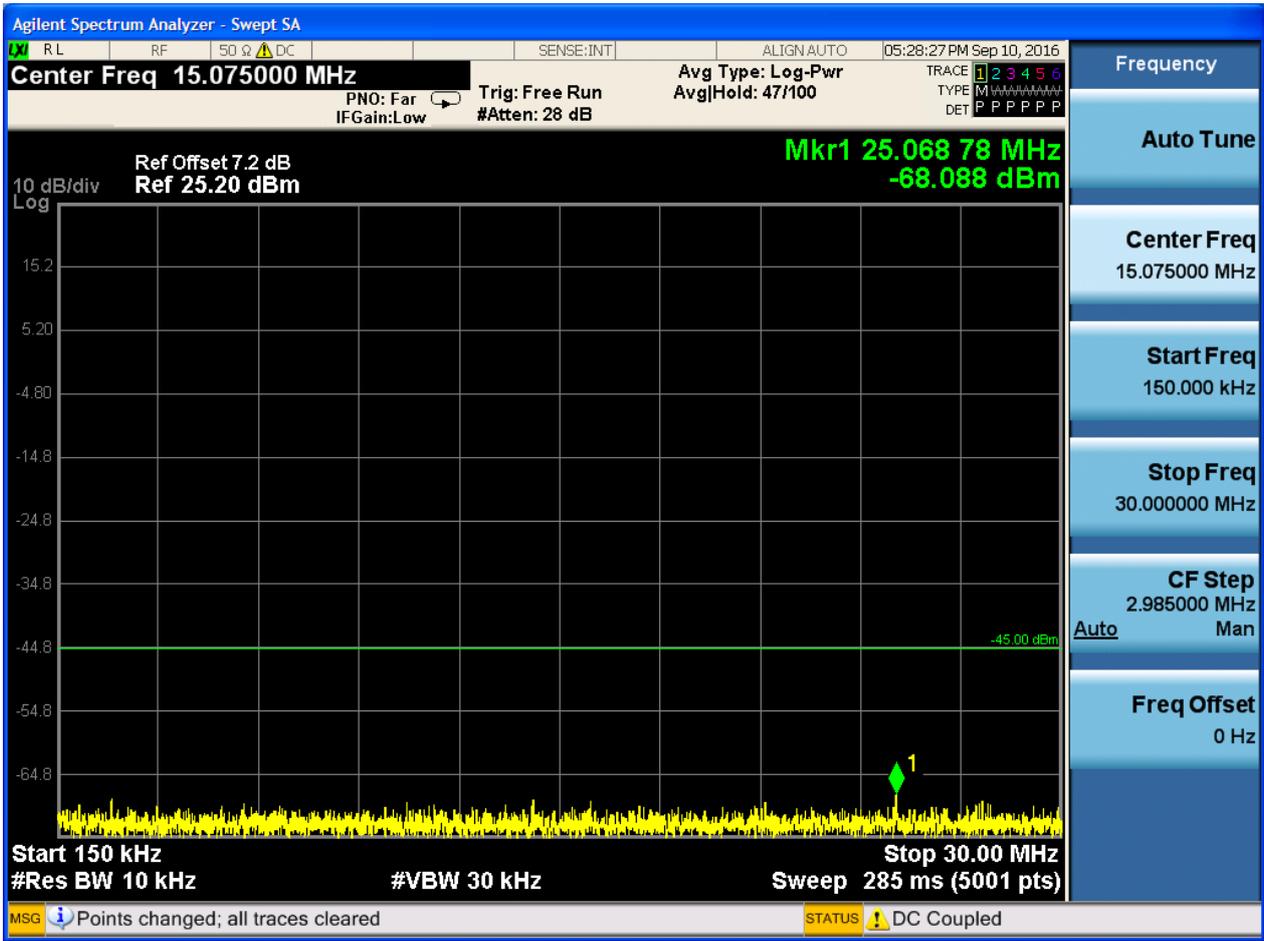


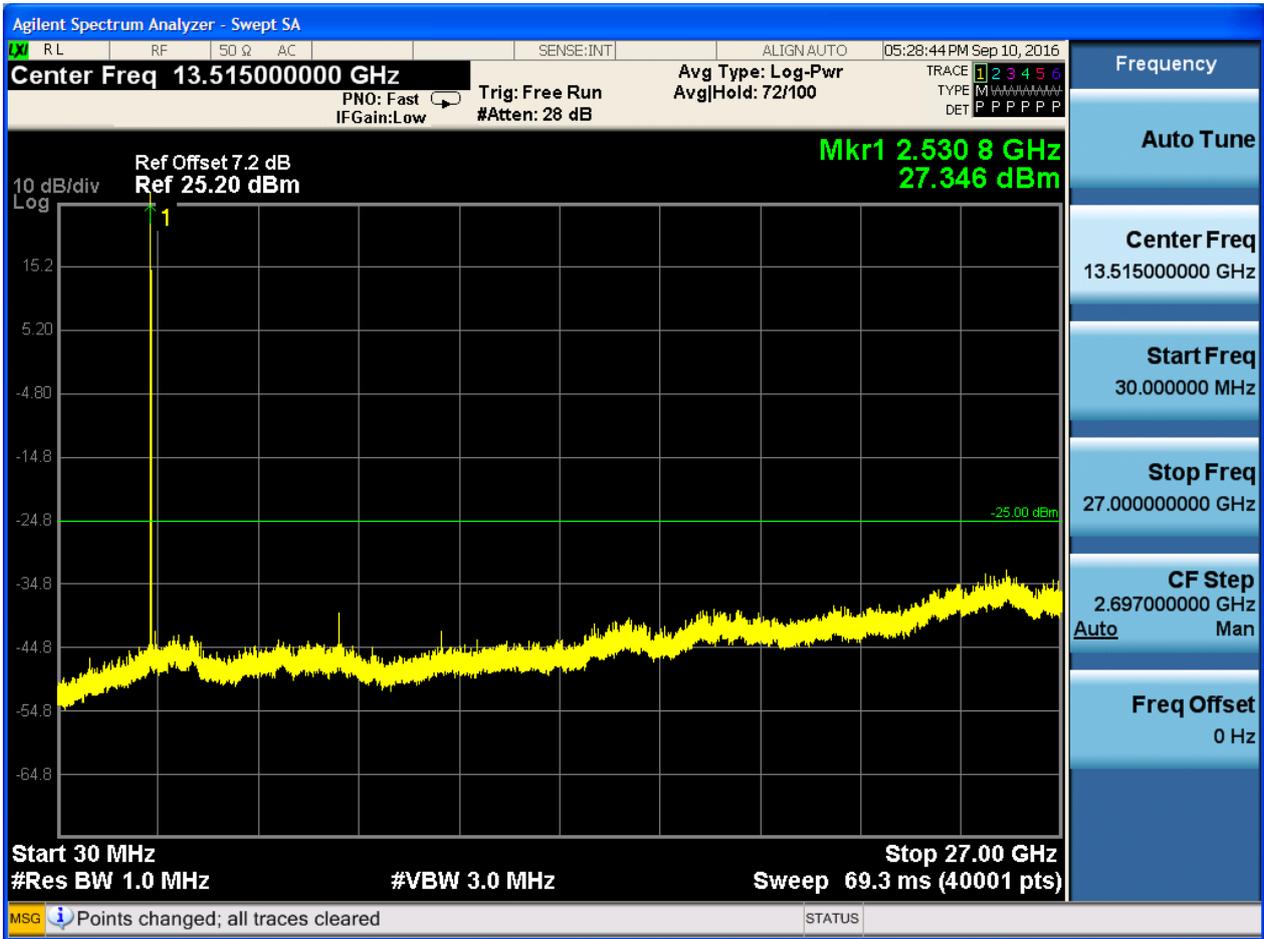


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



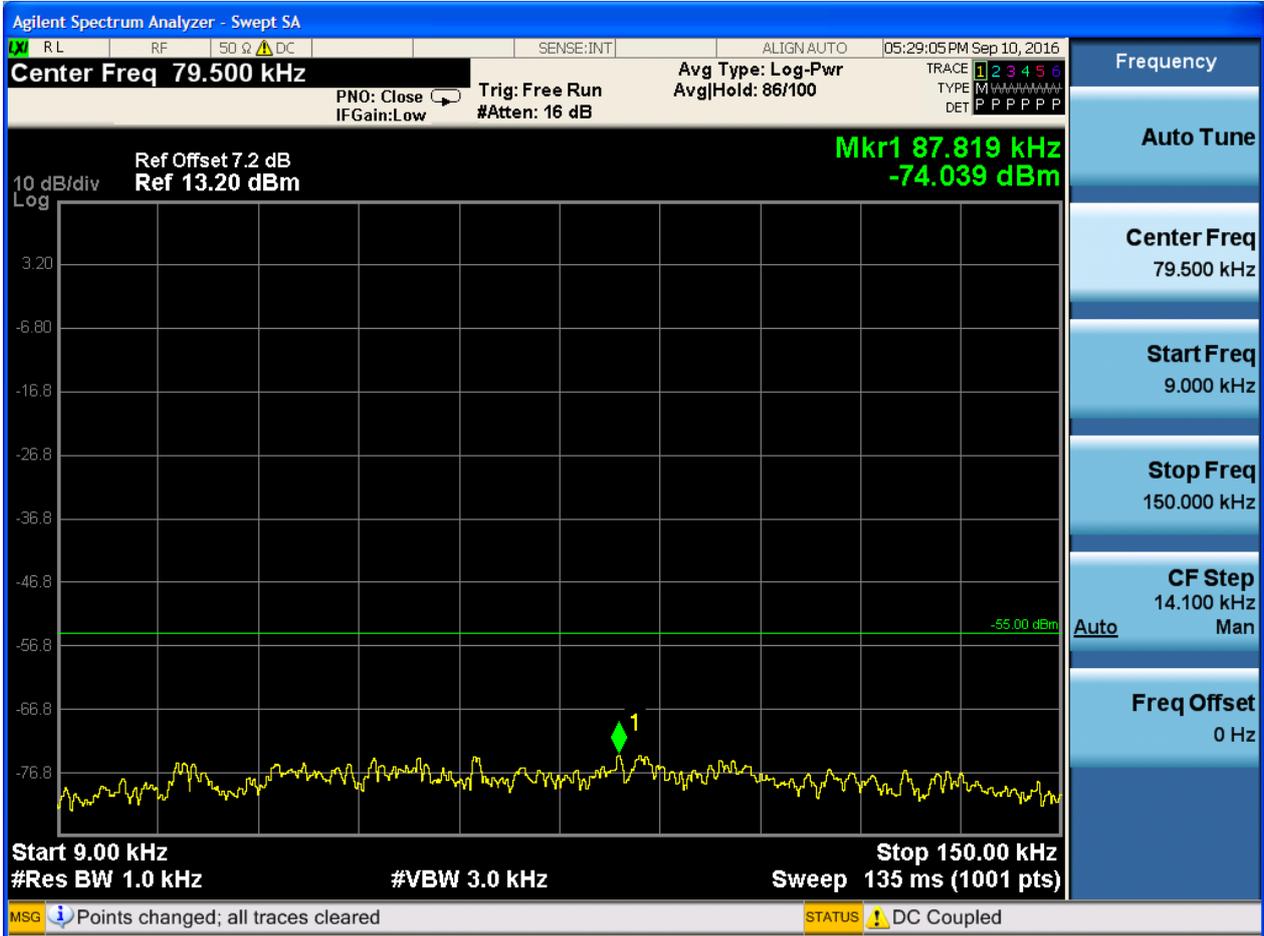


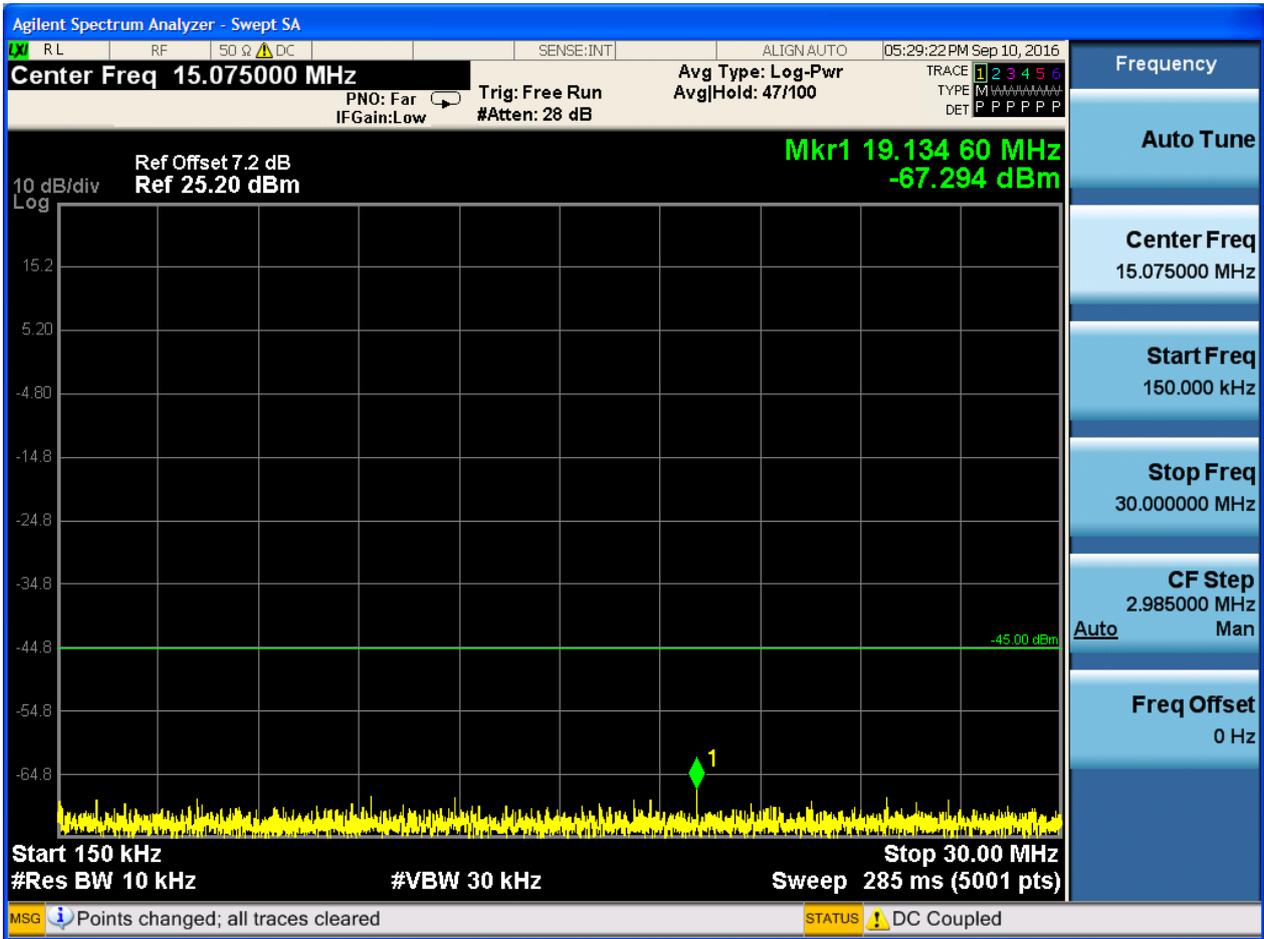


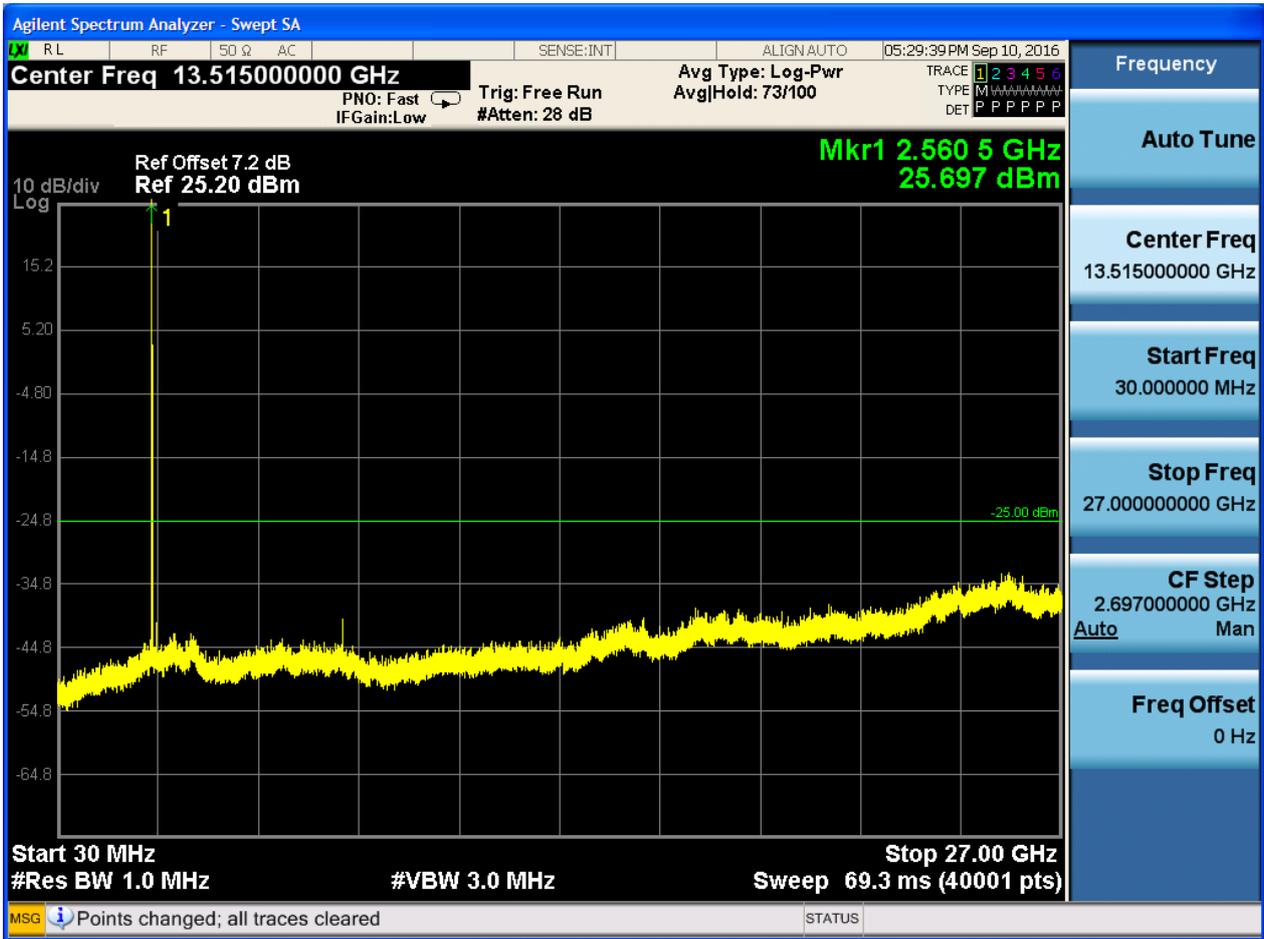


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





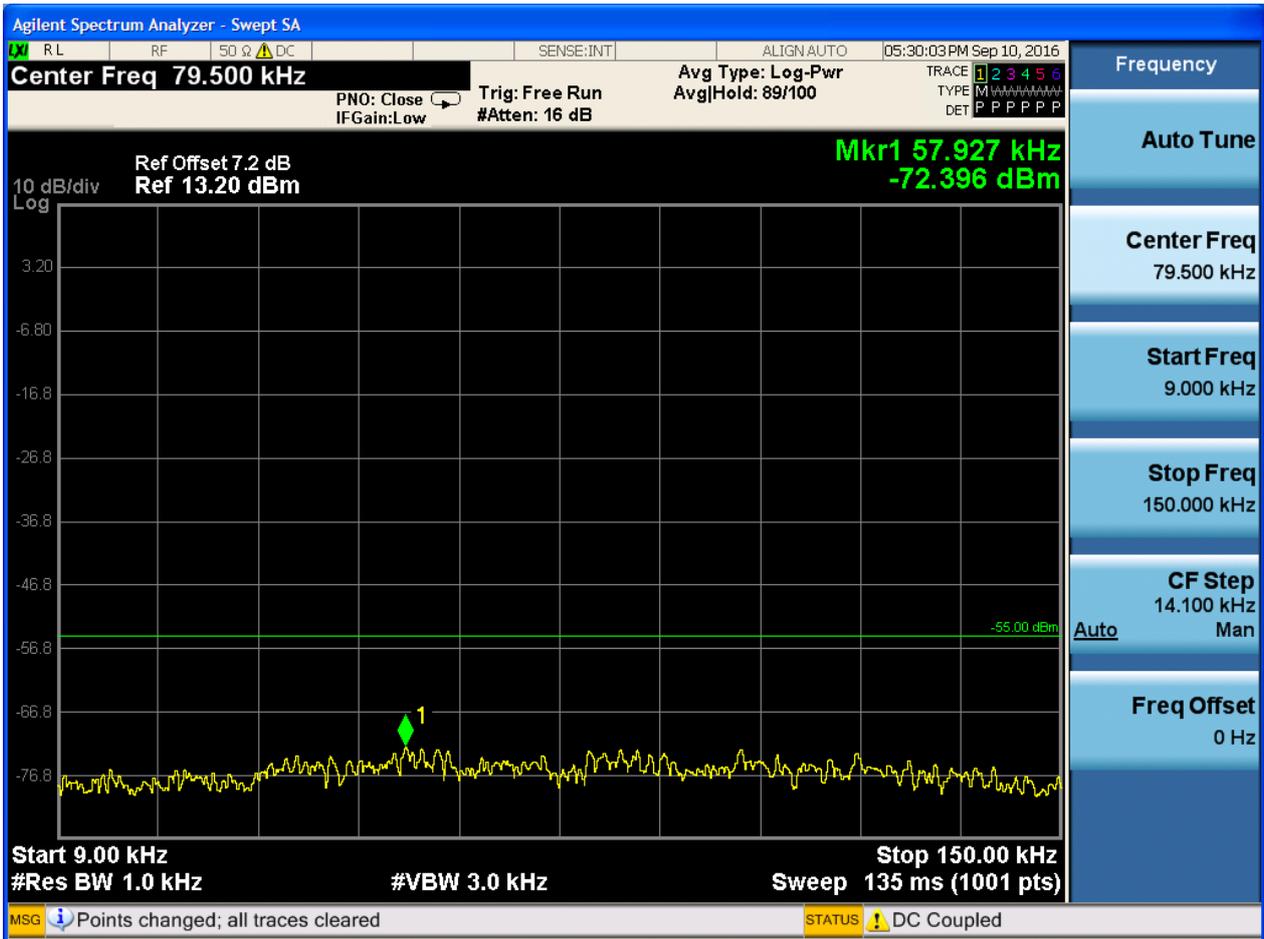




6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

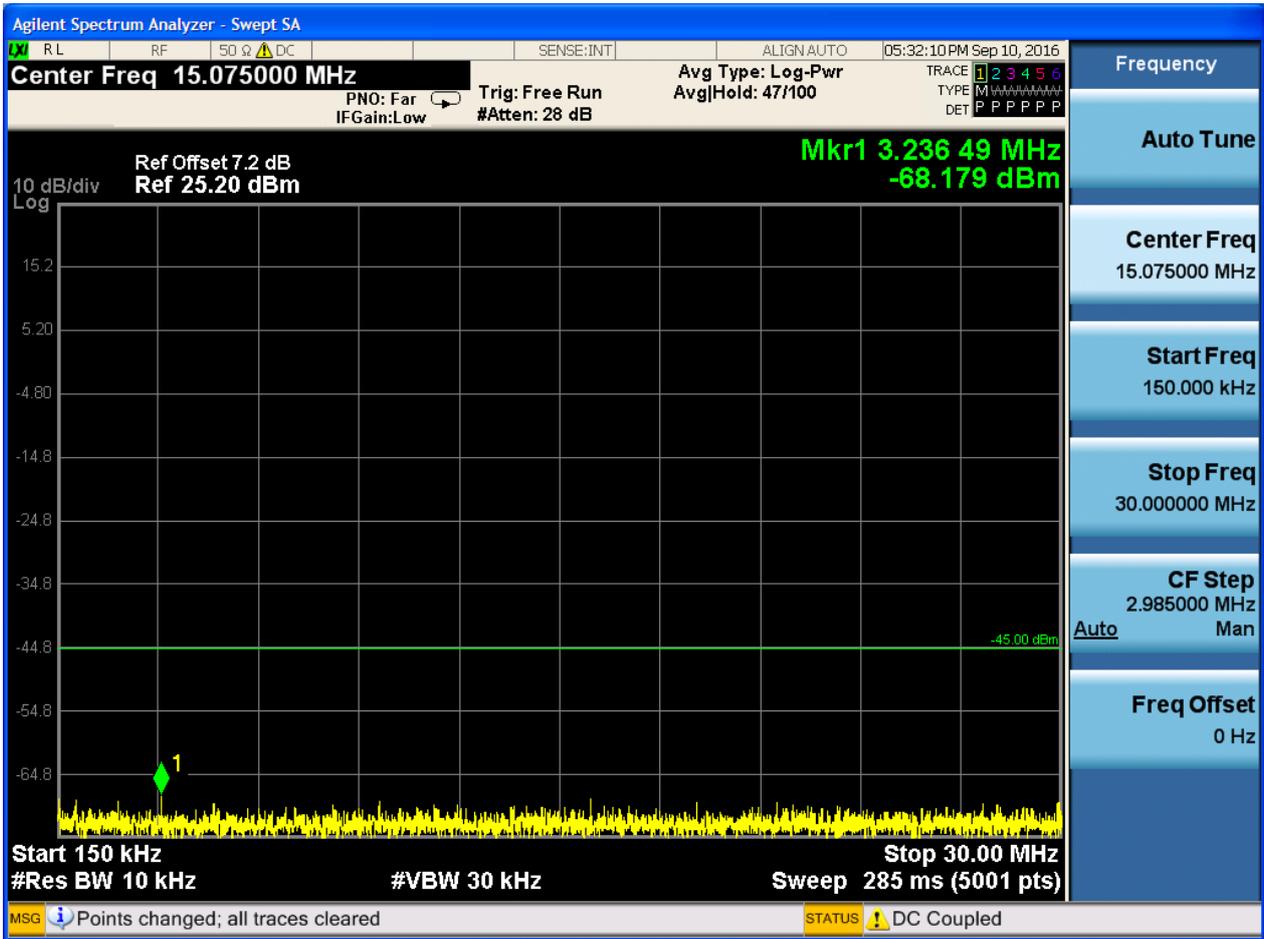












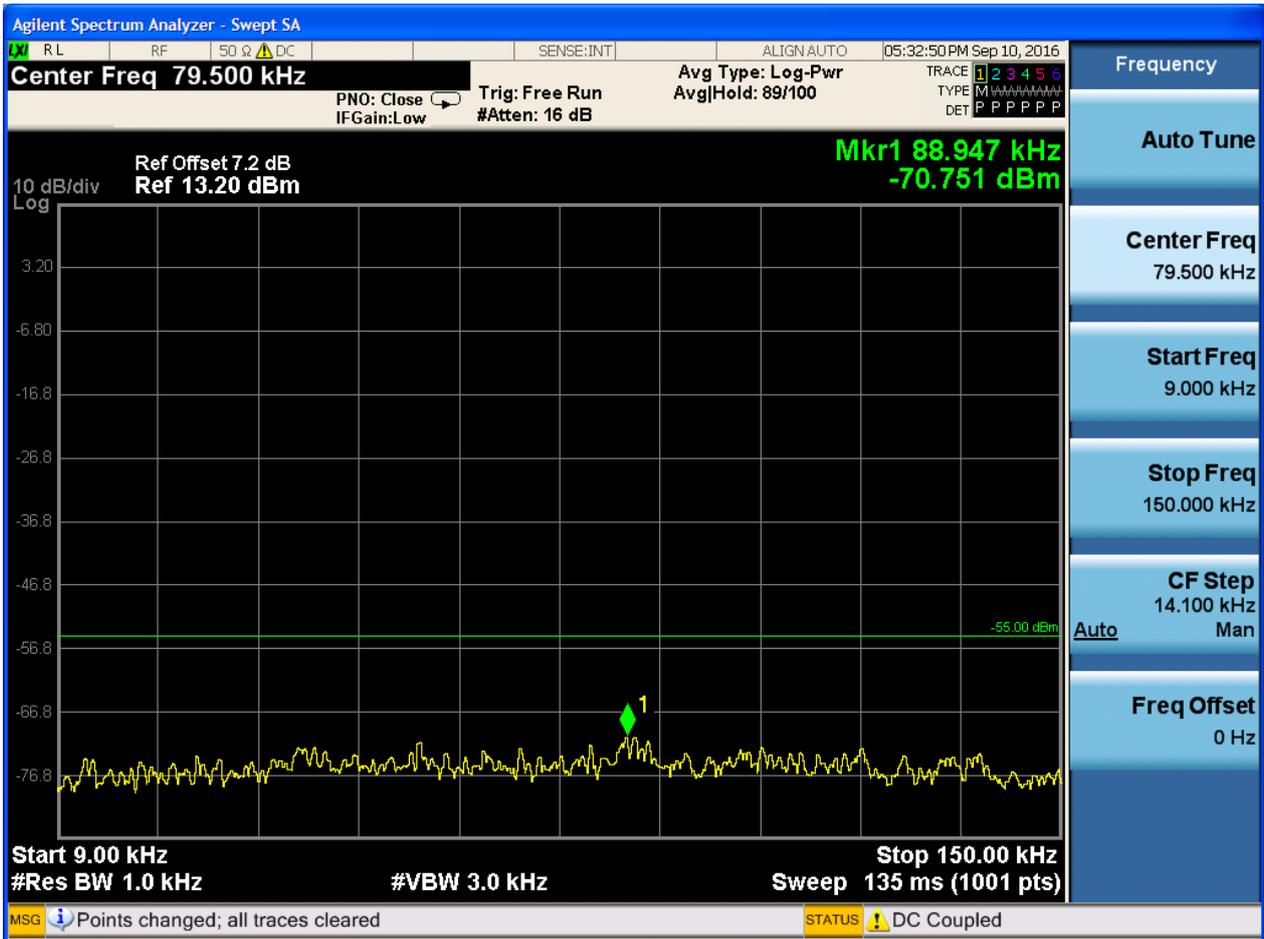




6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



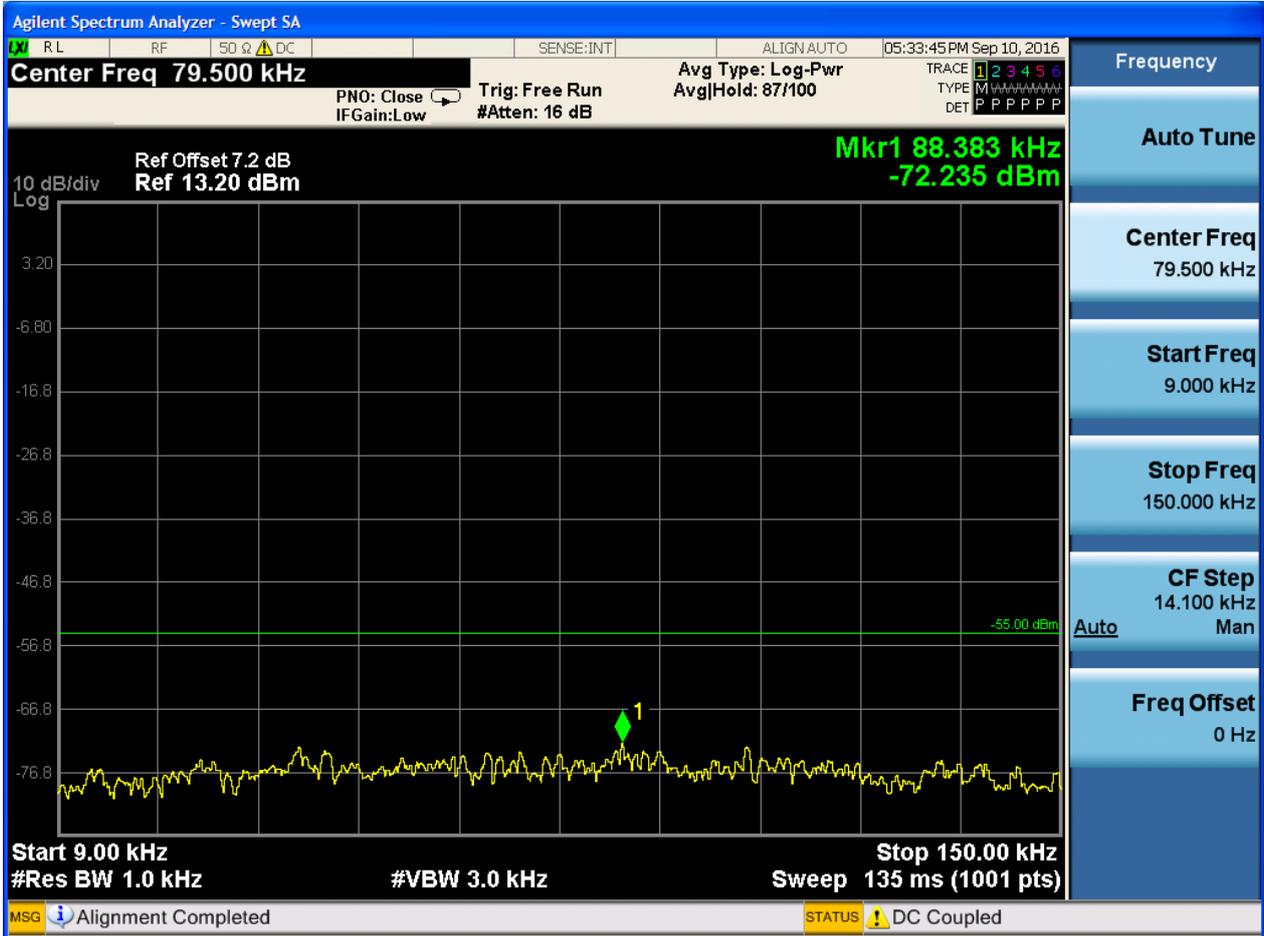




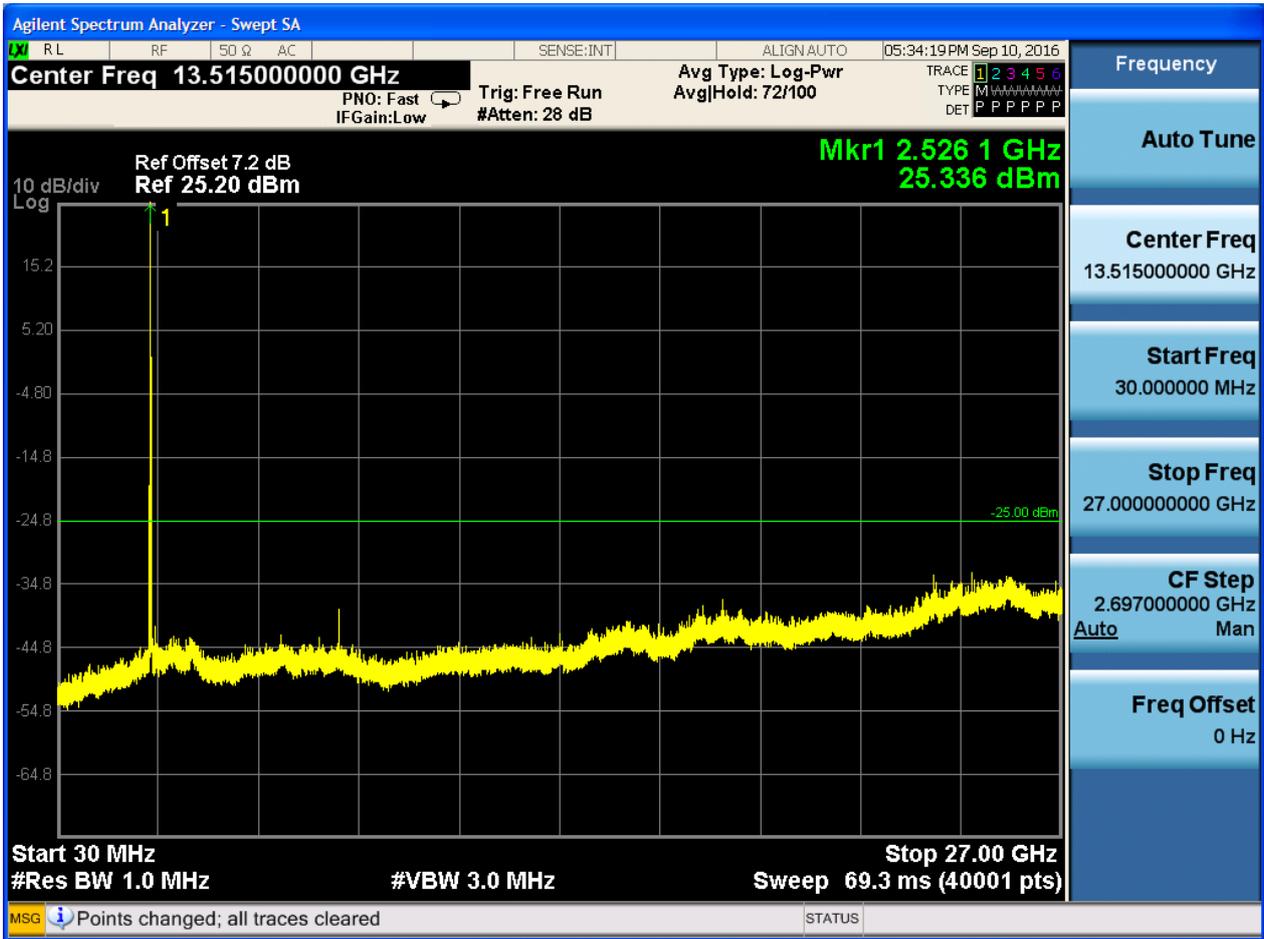


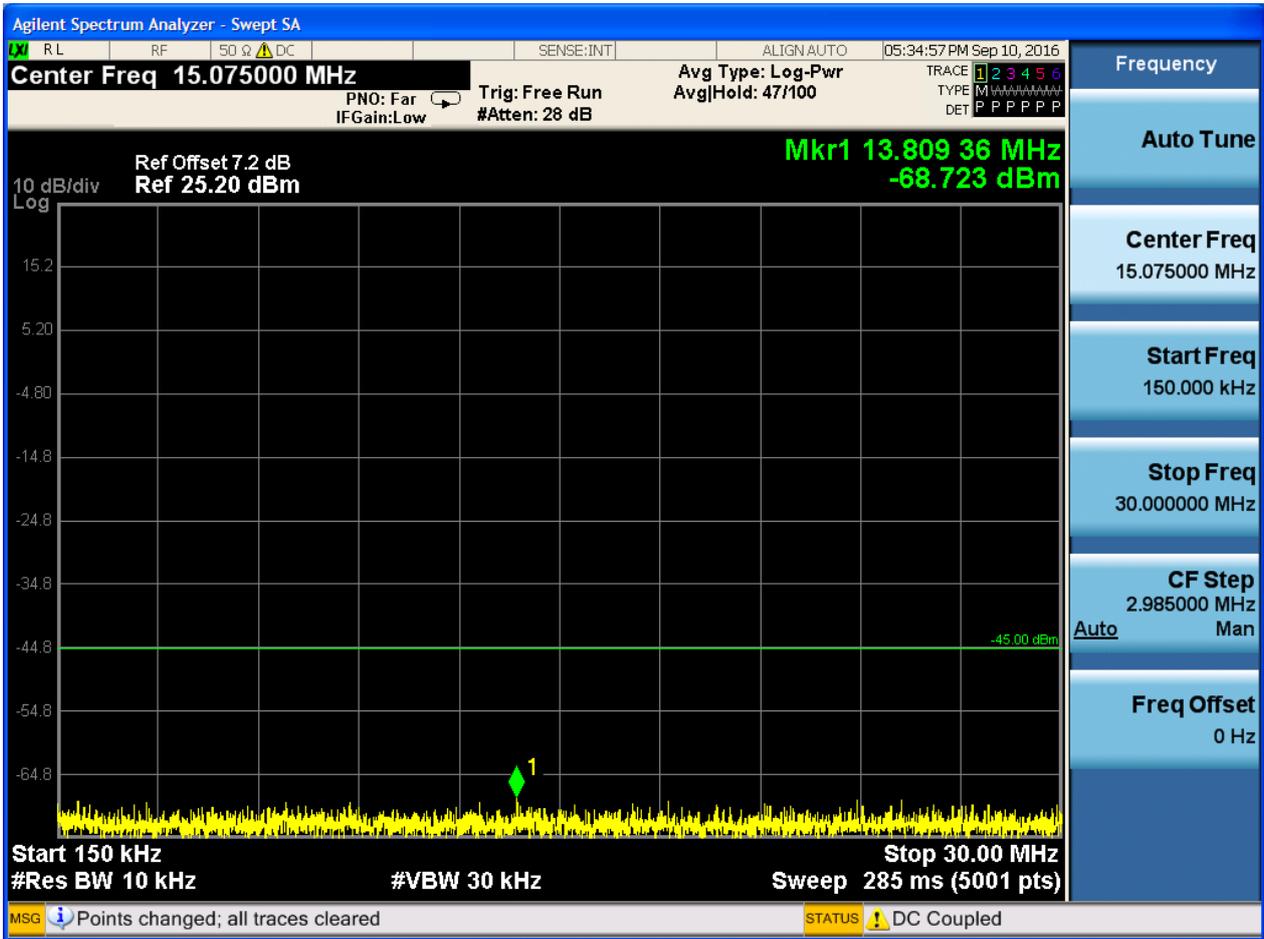
6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0













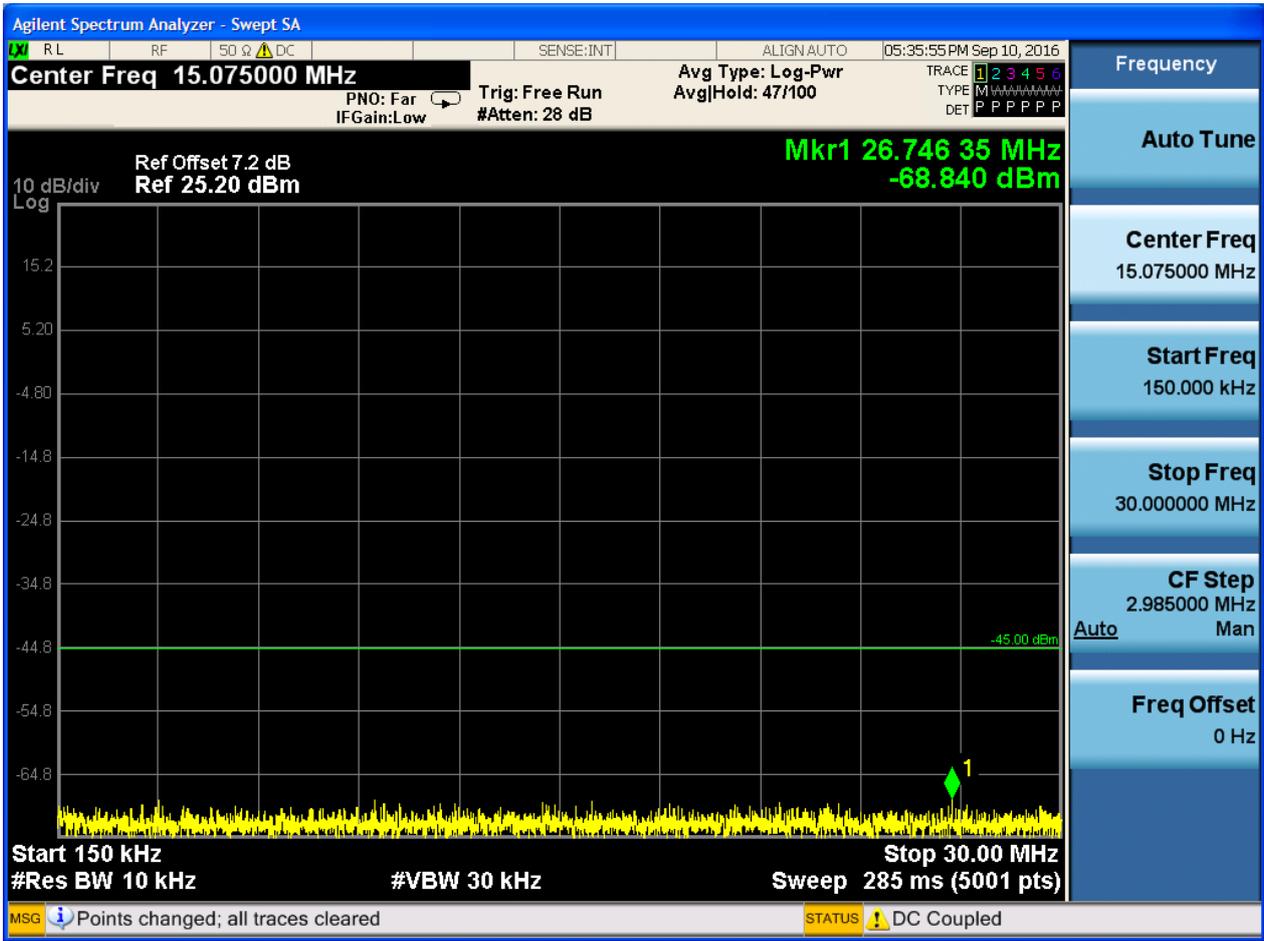
6.1.1.2 Test Mode = LTE/TM2

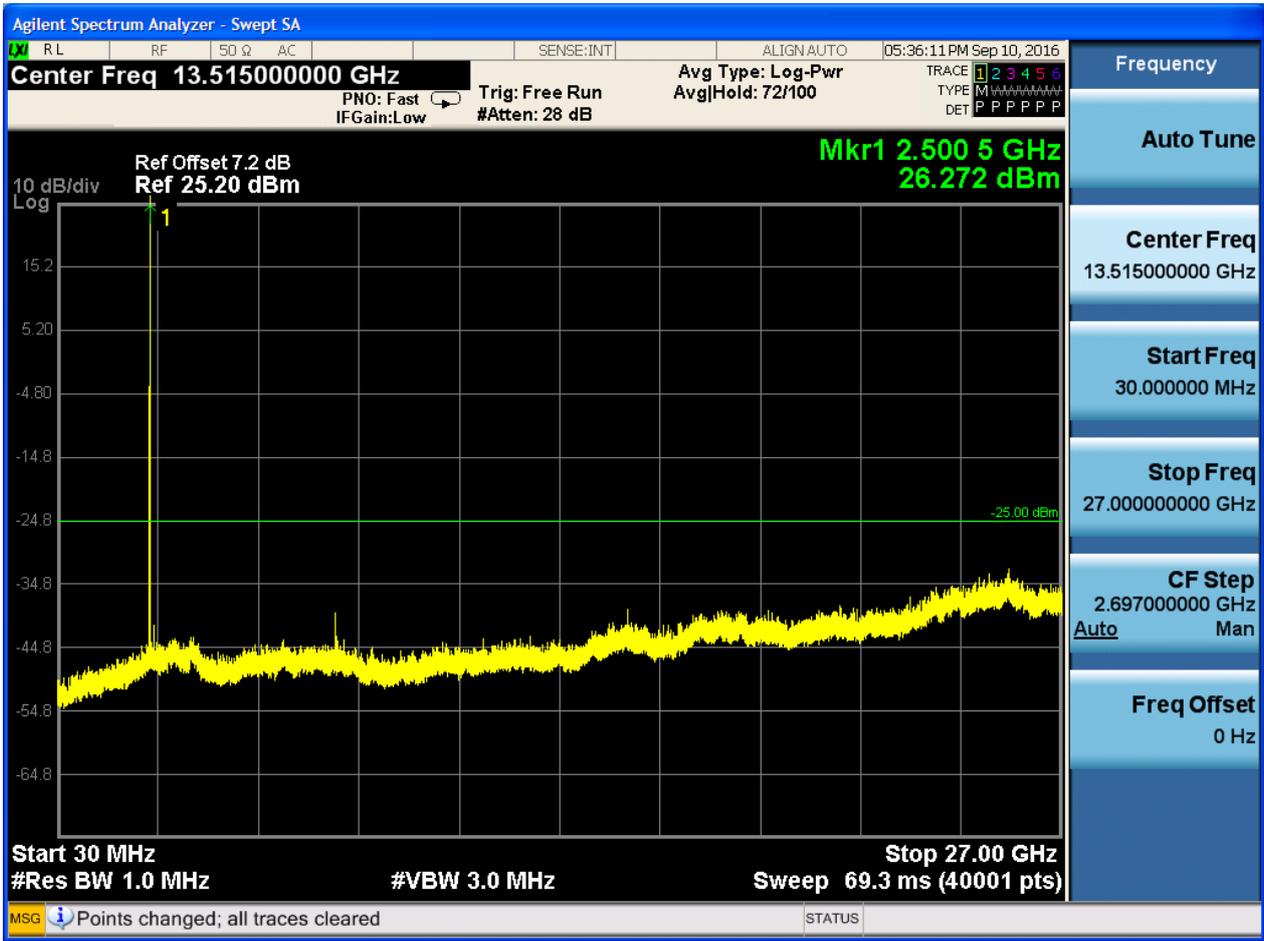
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



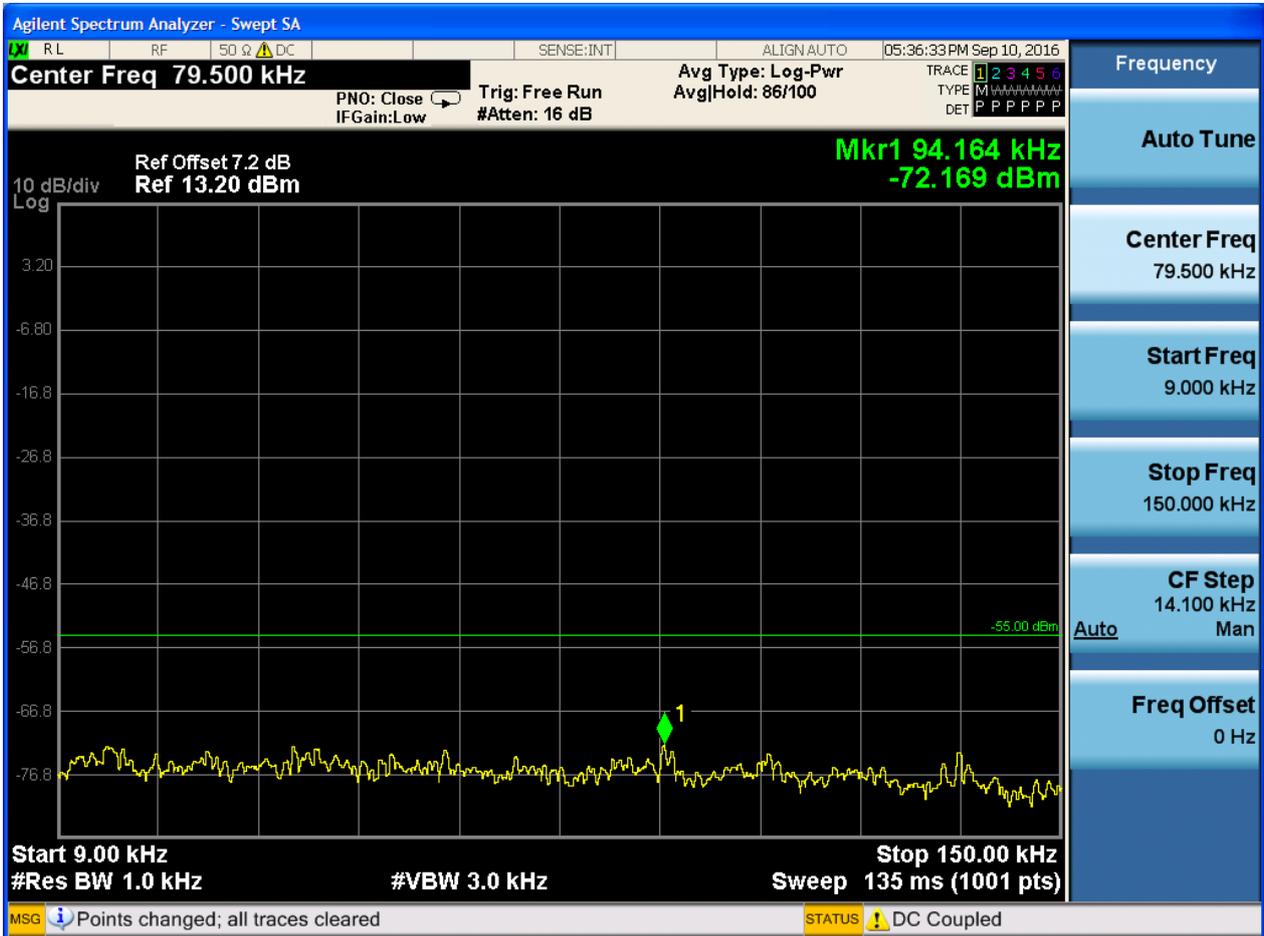




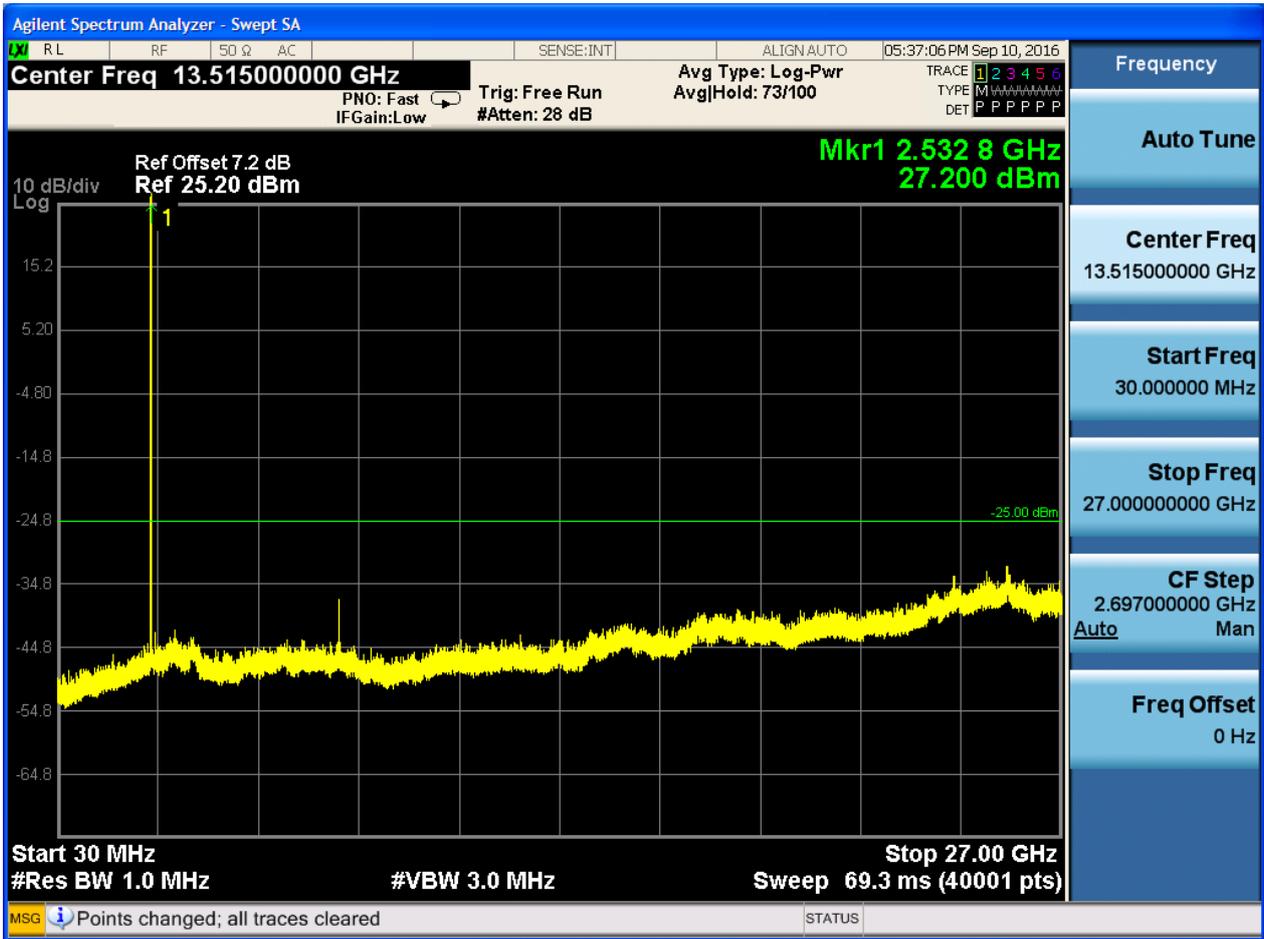


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



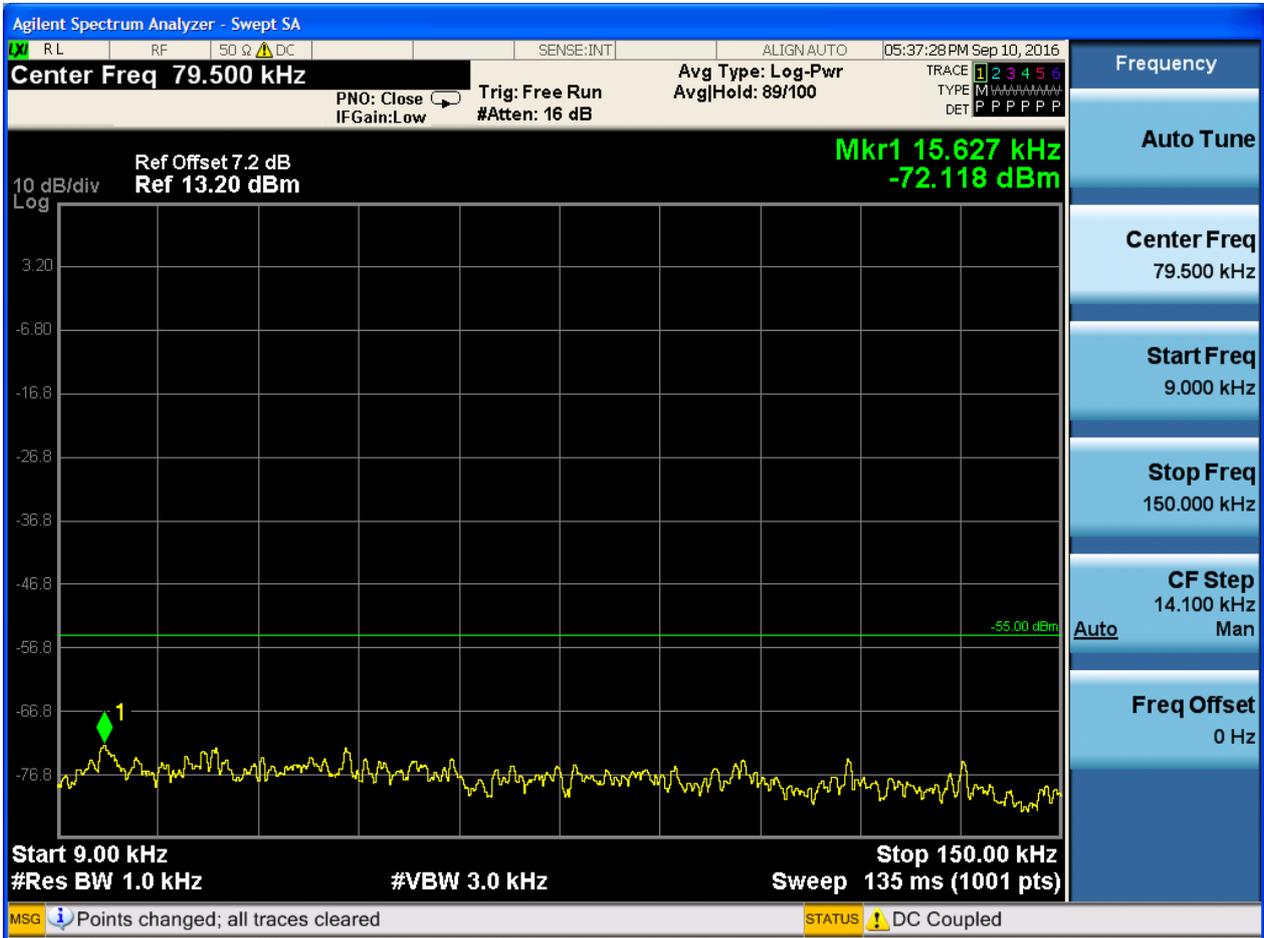


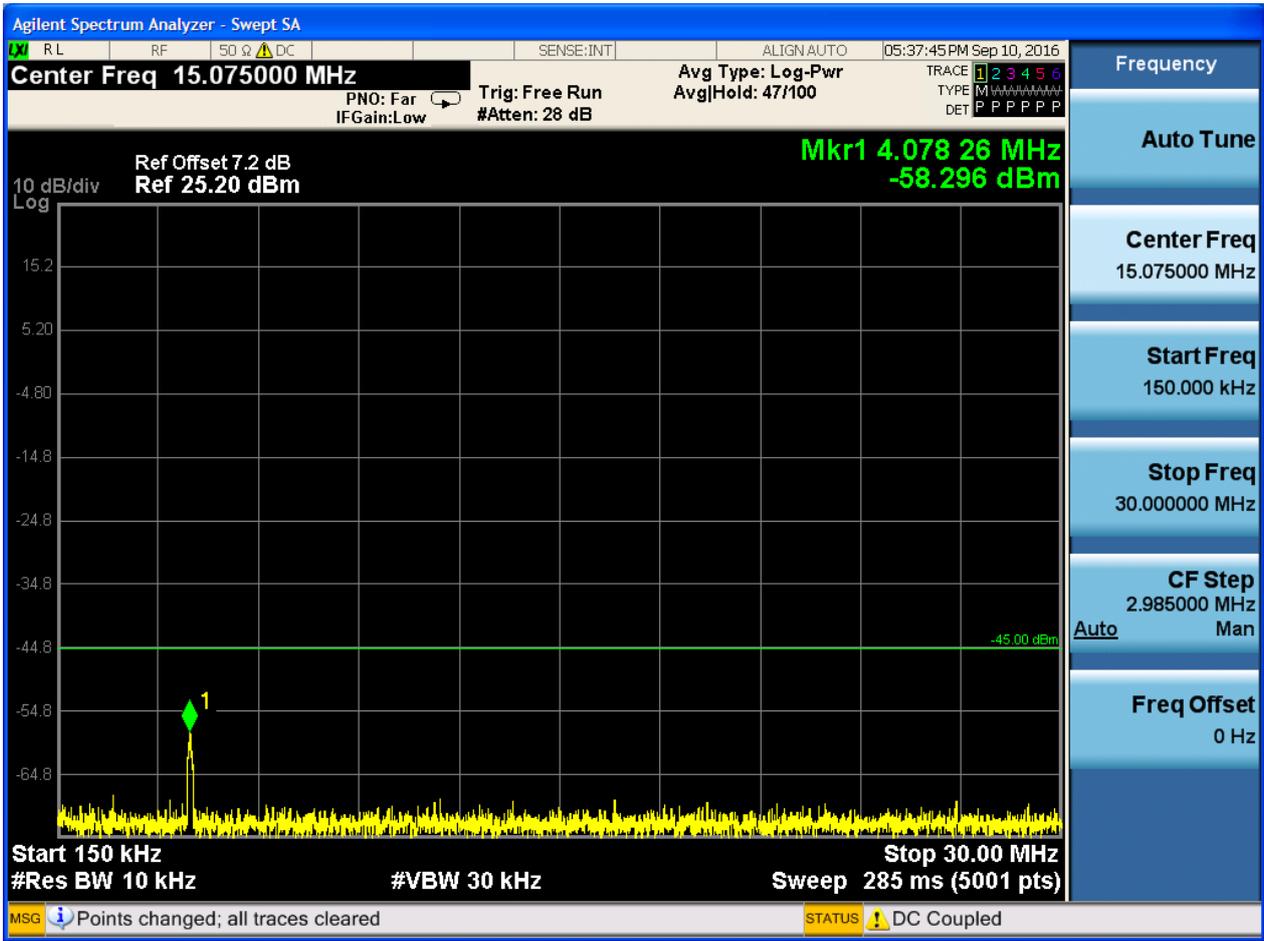




6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





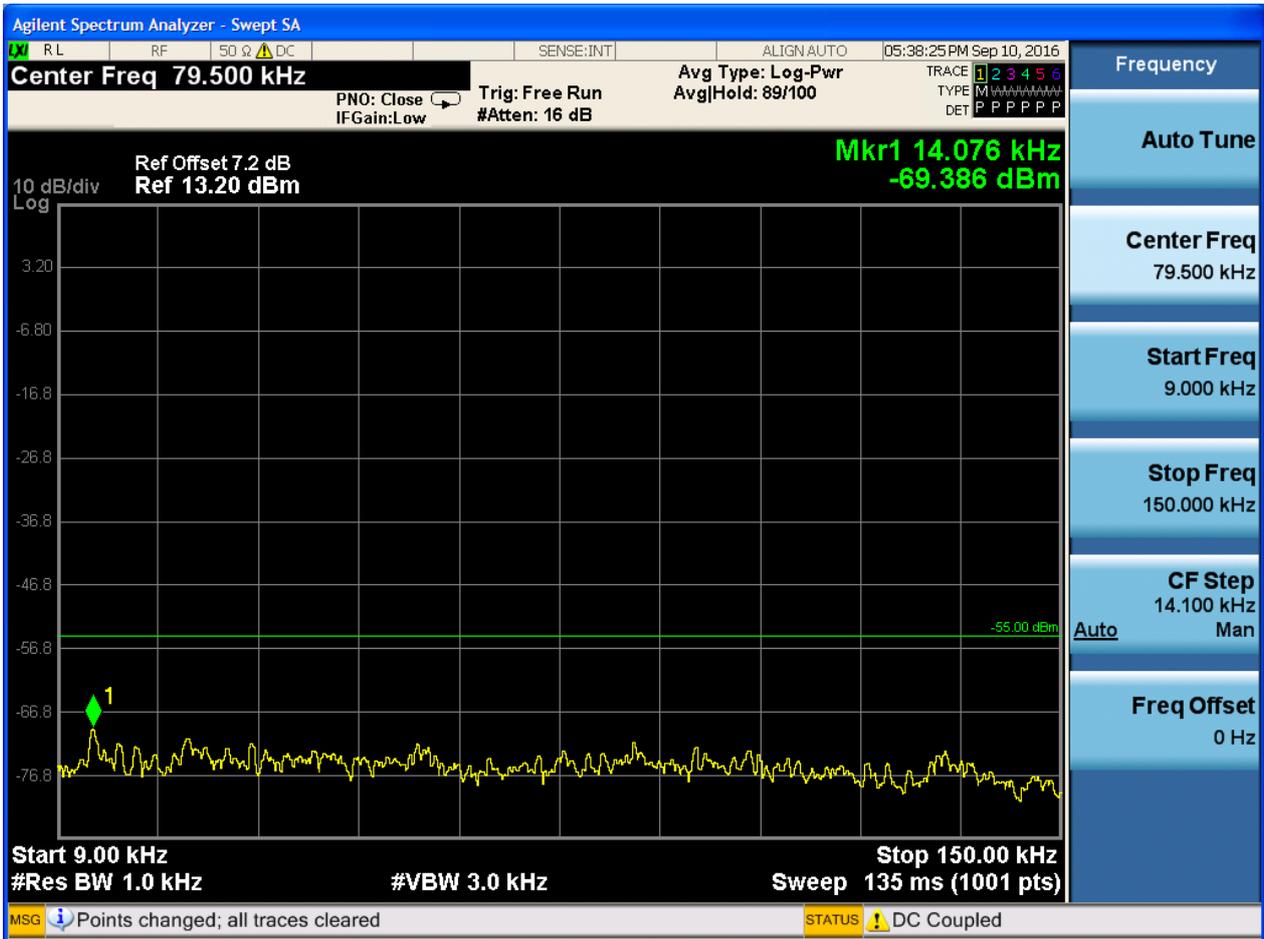




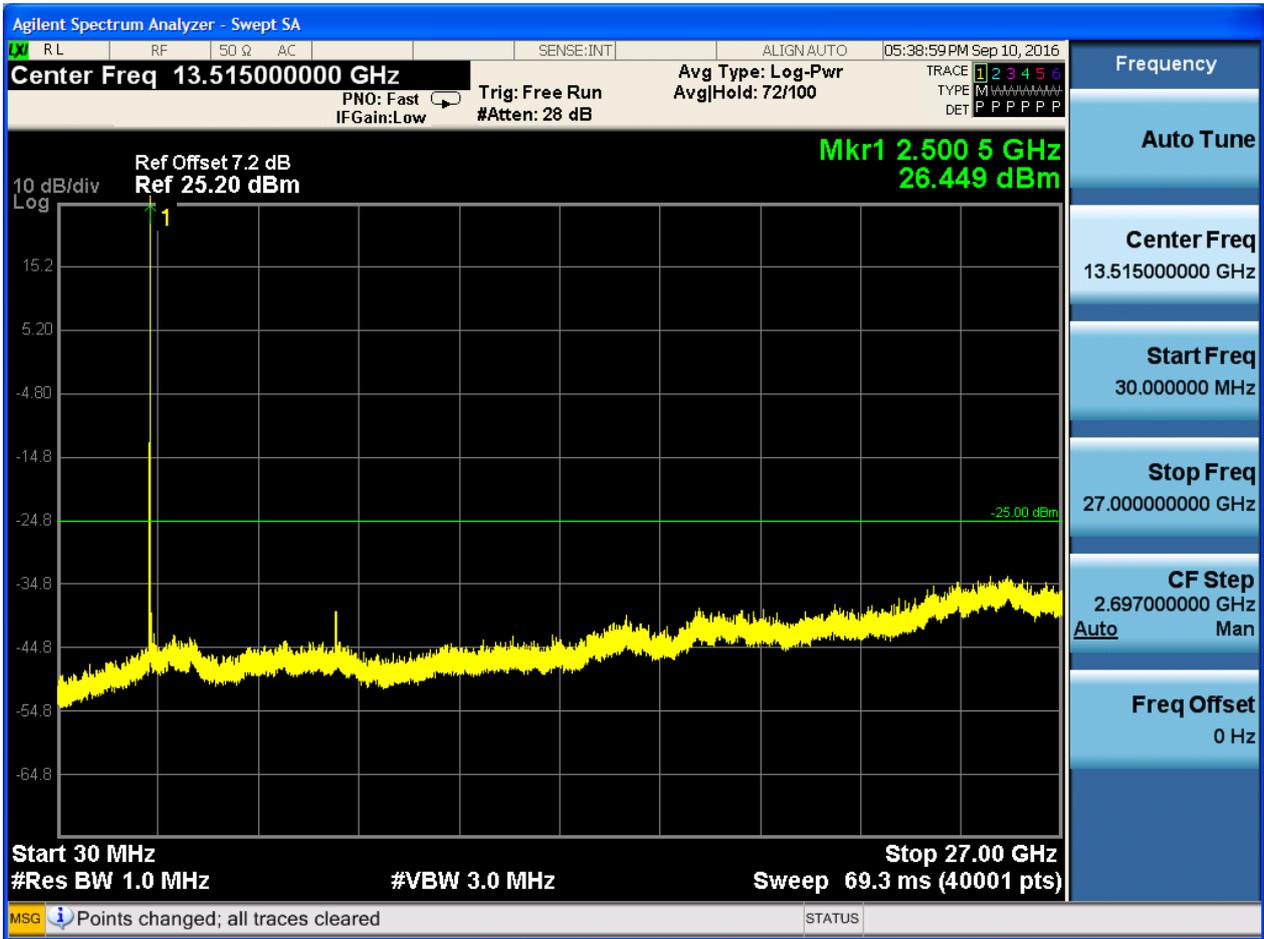
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



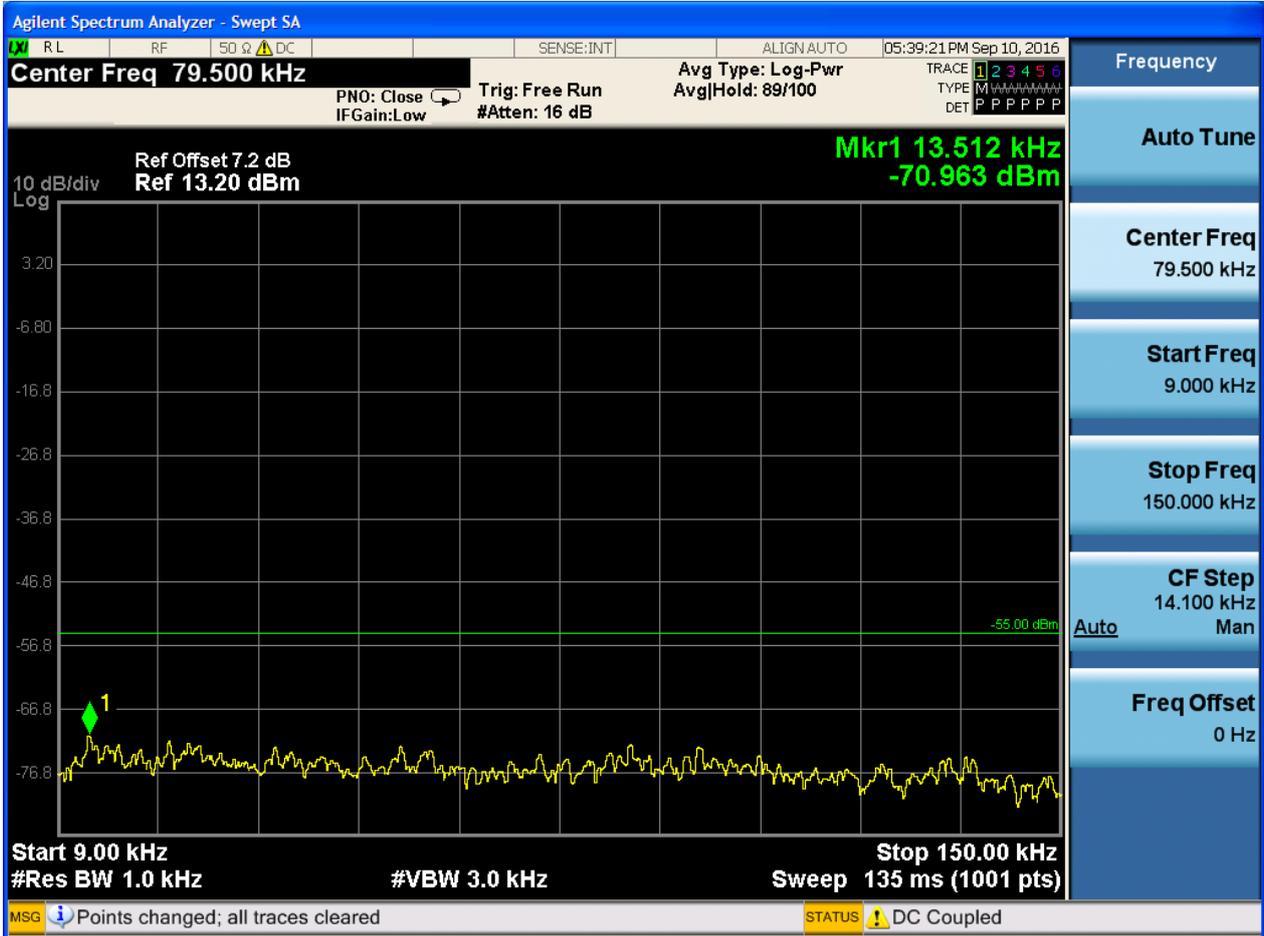


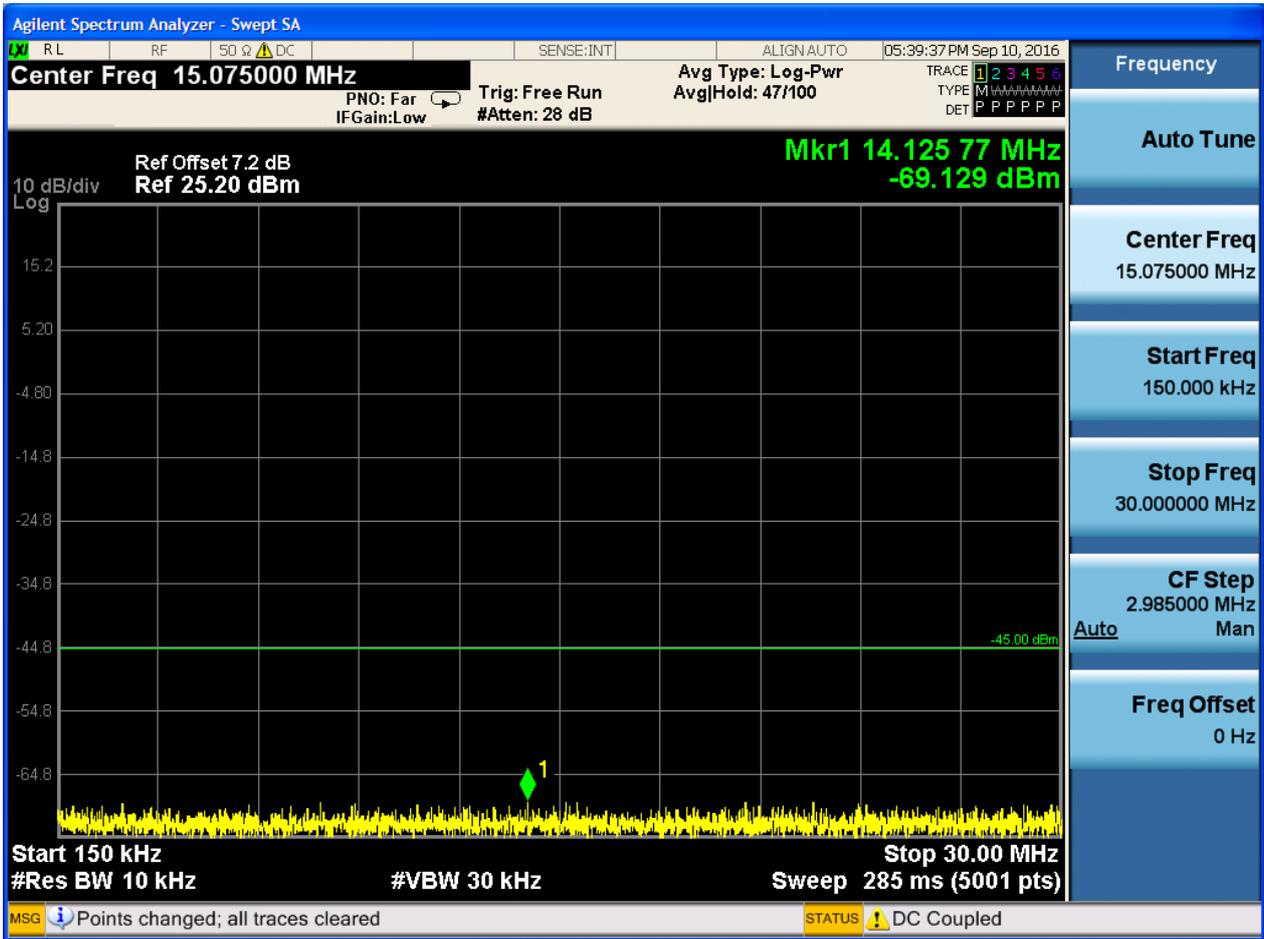


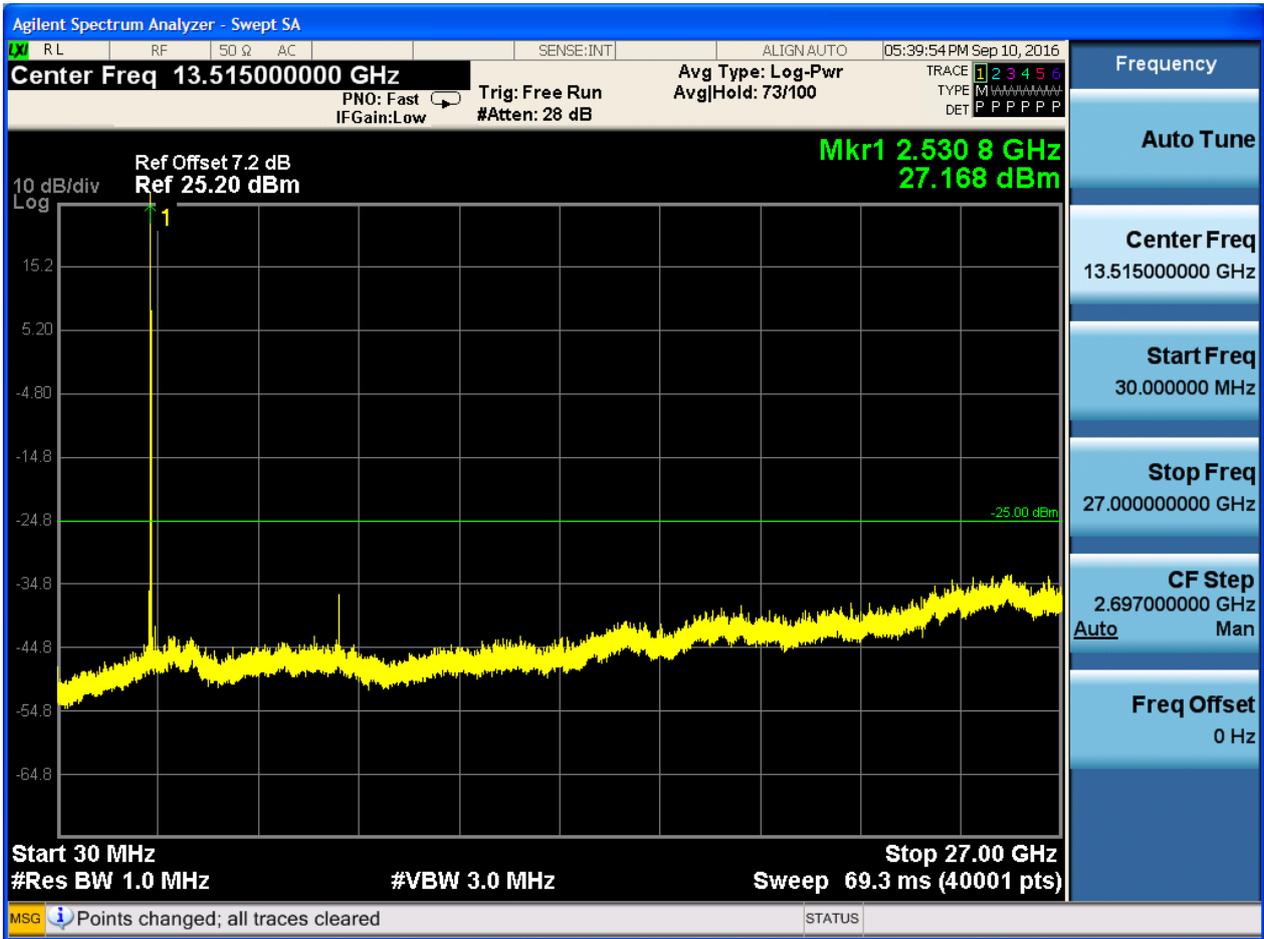


6.1.1.2.2.2 Test Channel = MCH

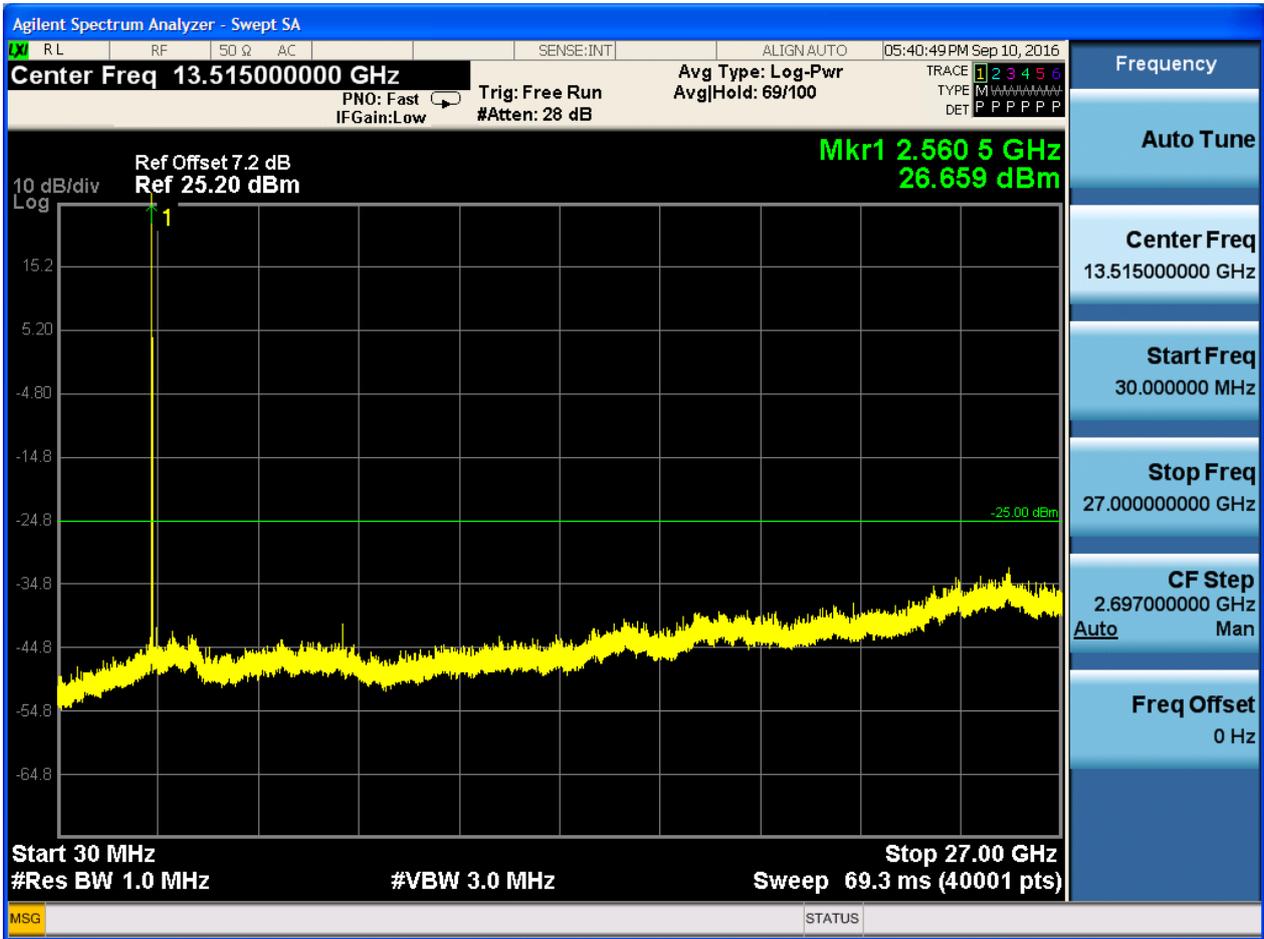
6.1.1.2.2.2.1 Test RB = RB1#0











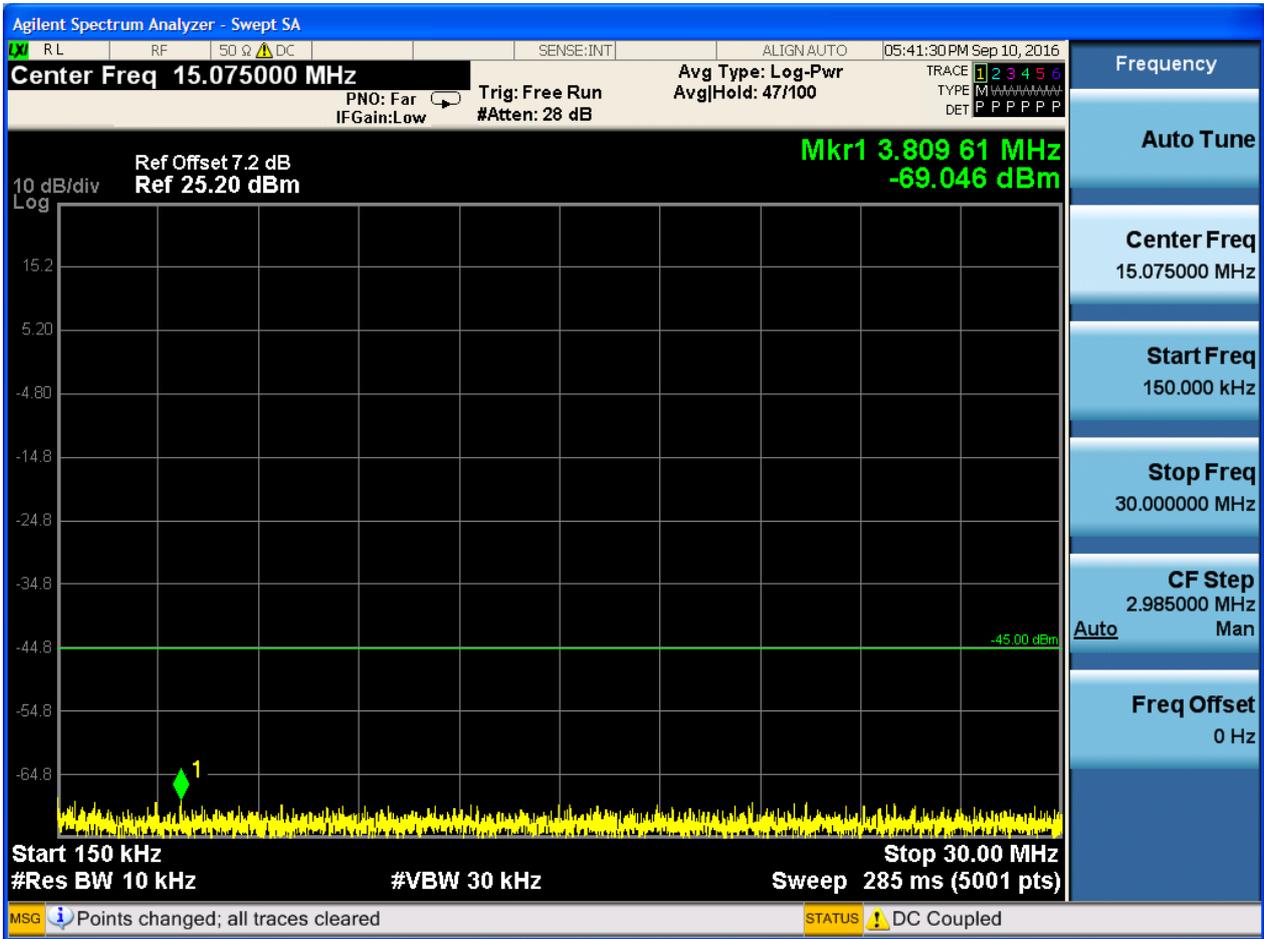


6.1.1.2.3 Test Bandwidth = 15

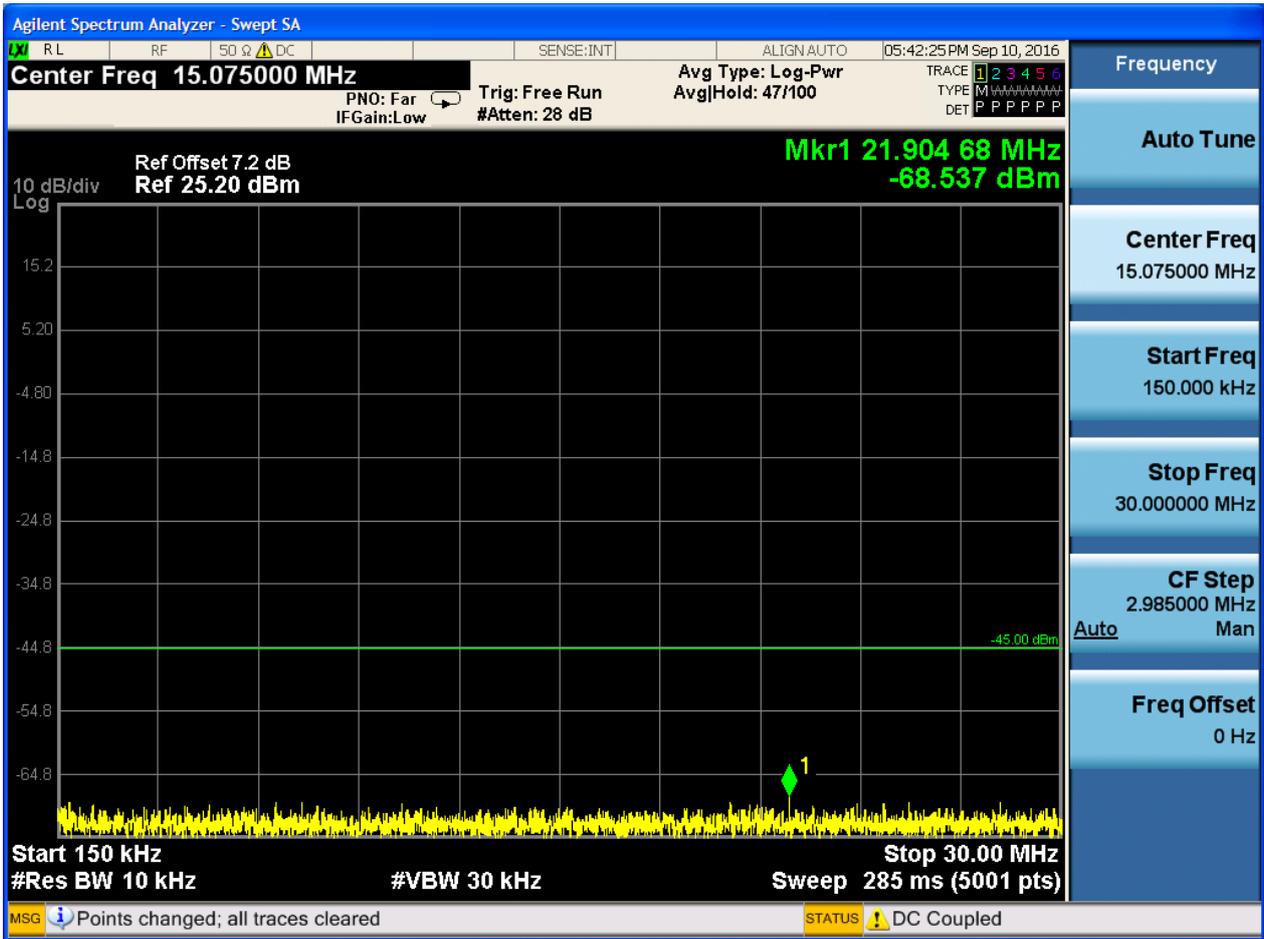
6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



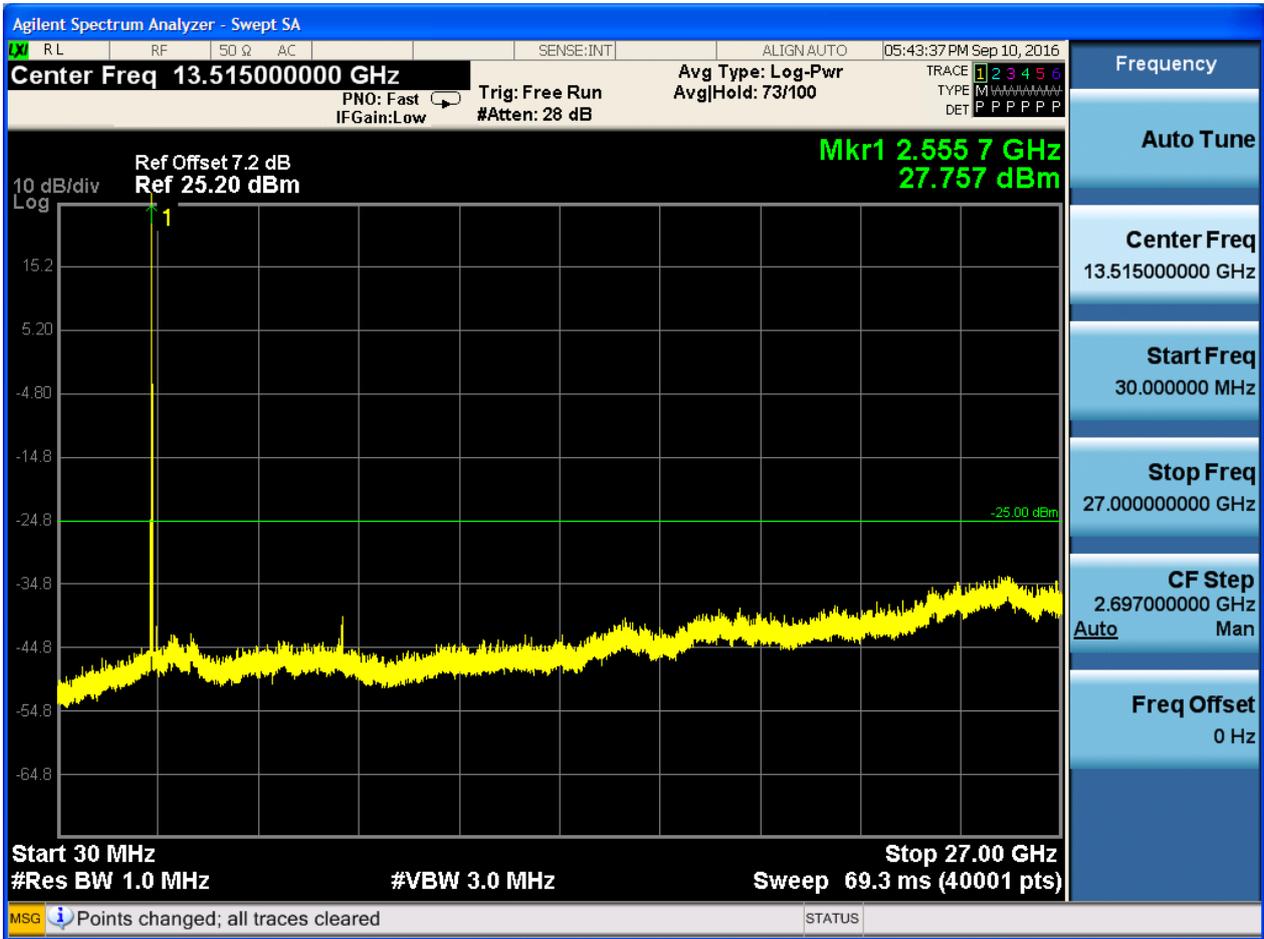










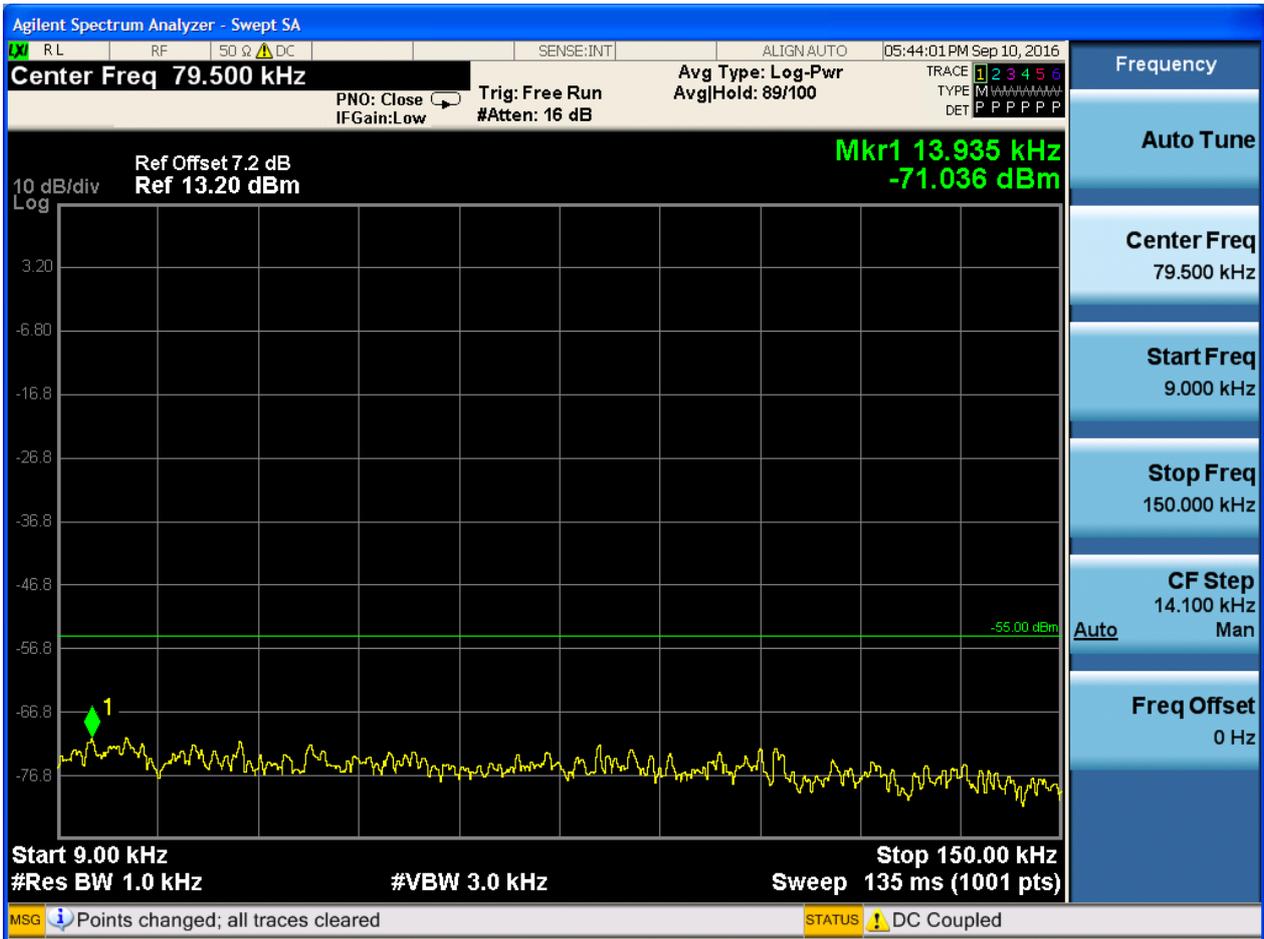


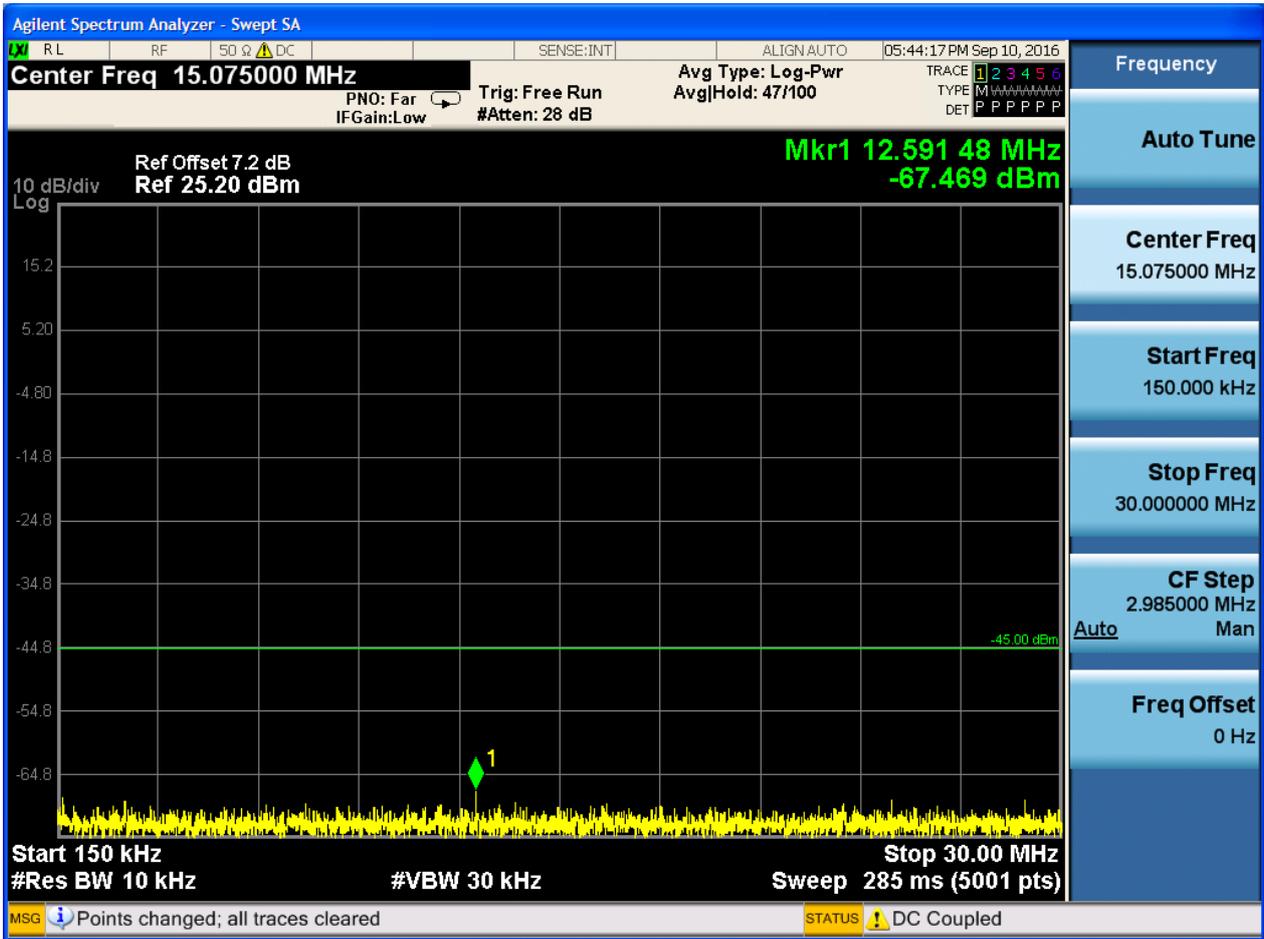


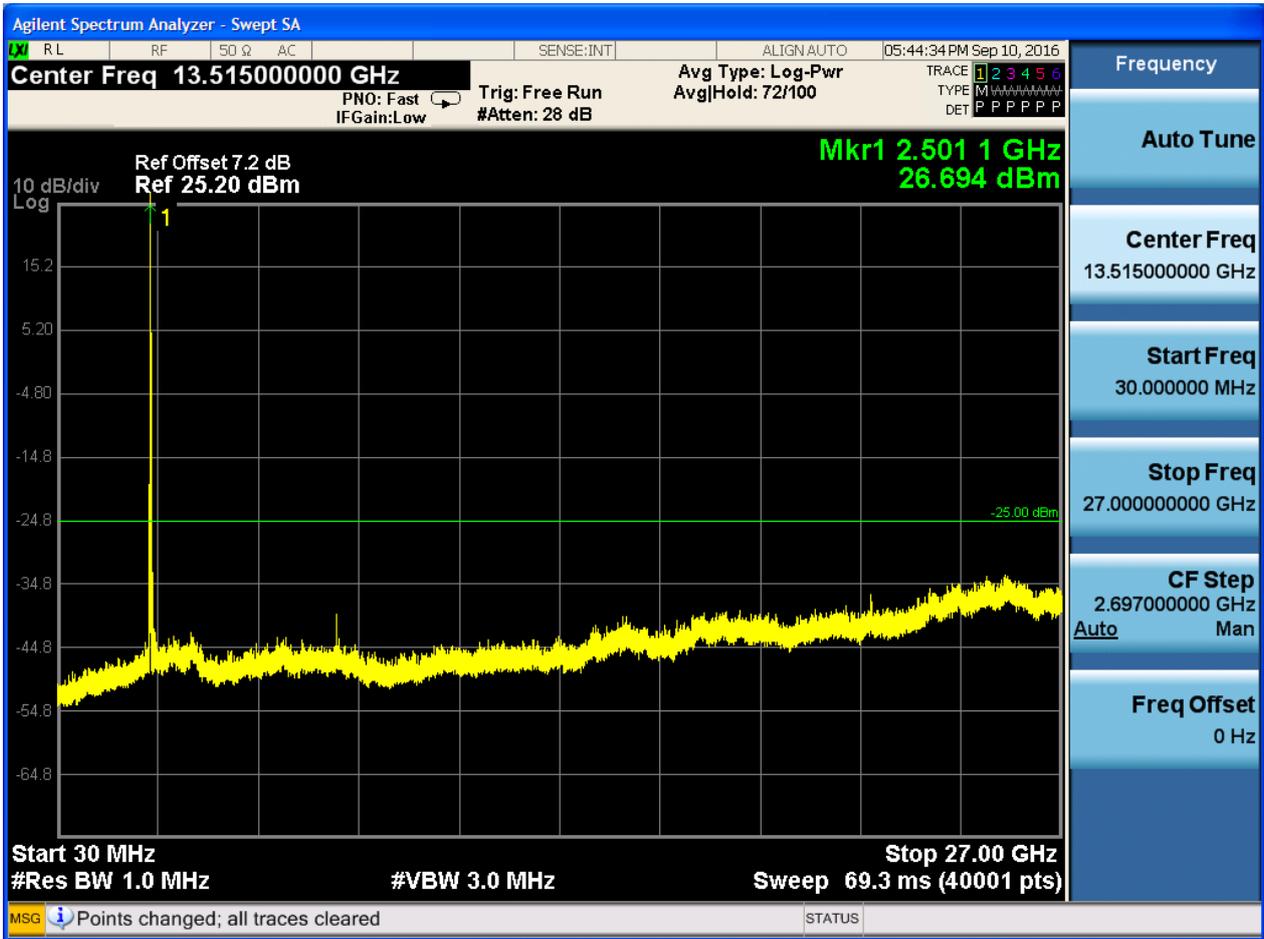
6.1.1.2.4 Test Bandwidth = 20

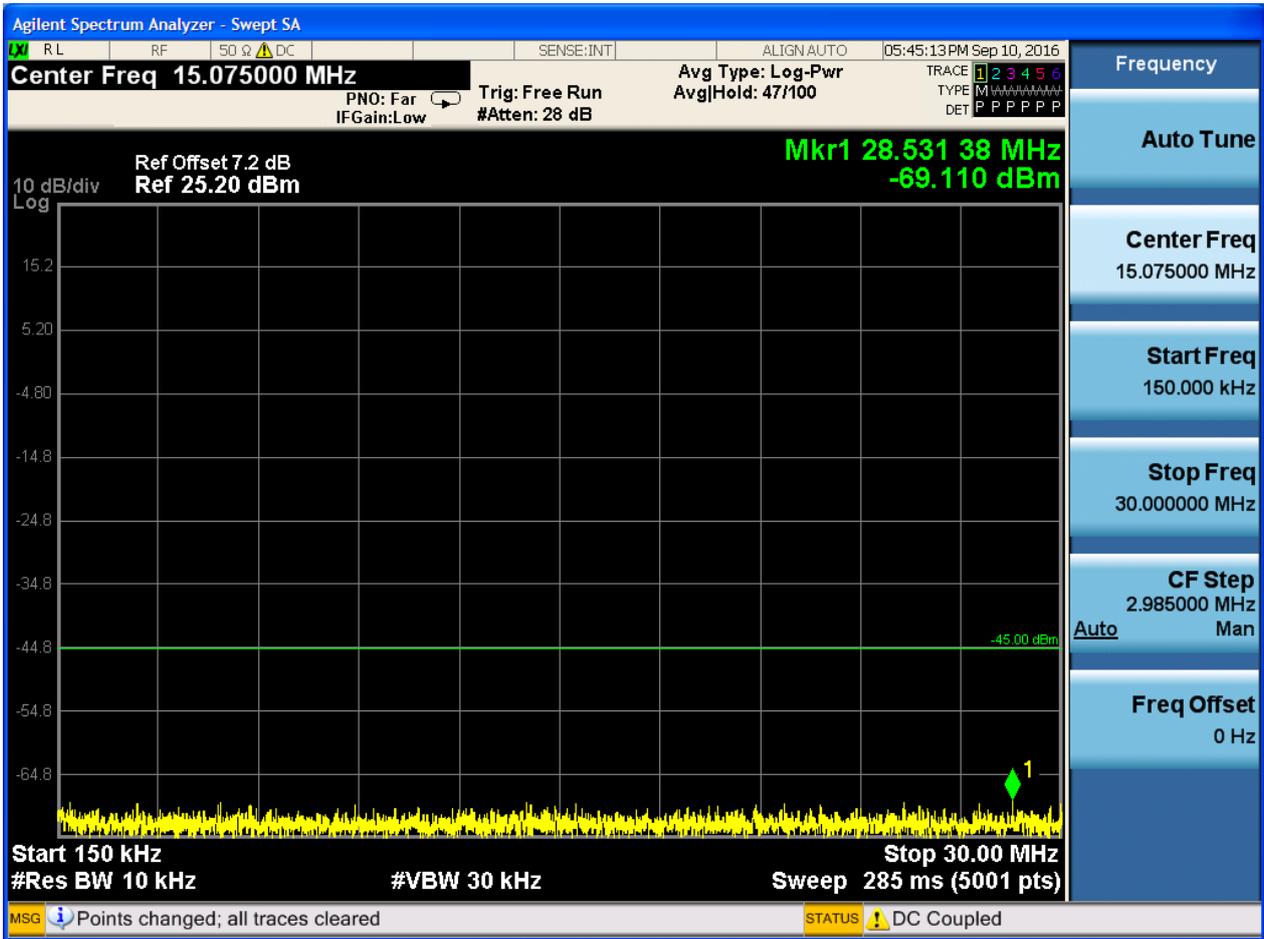
6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

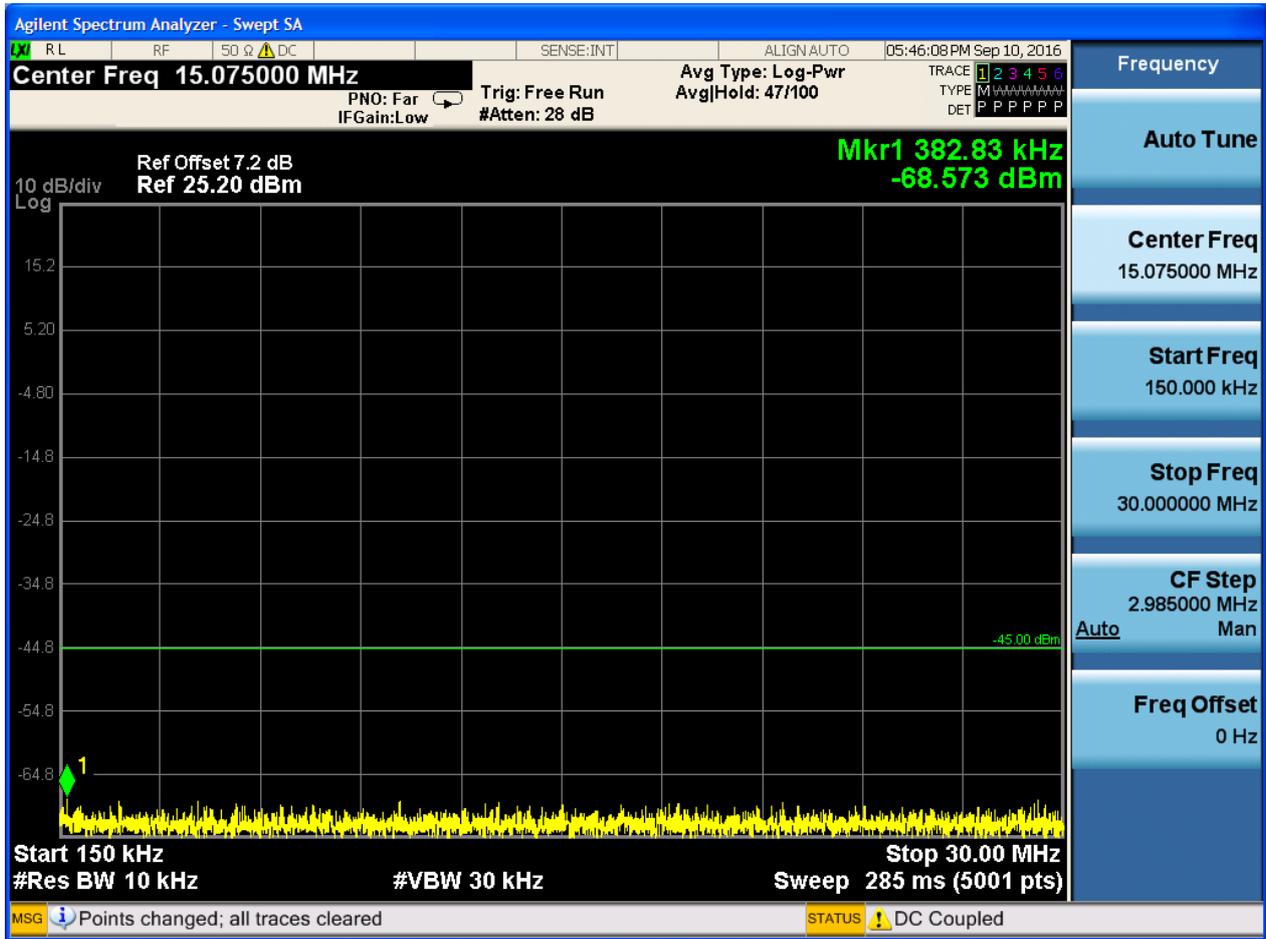


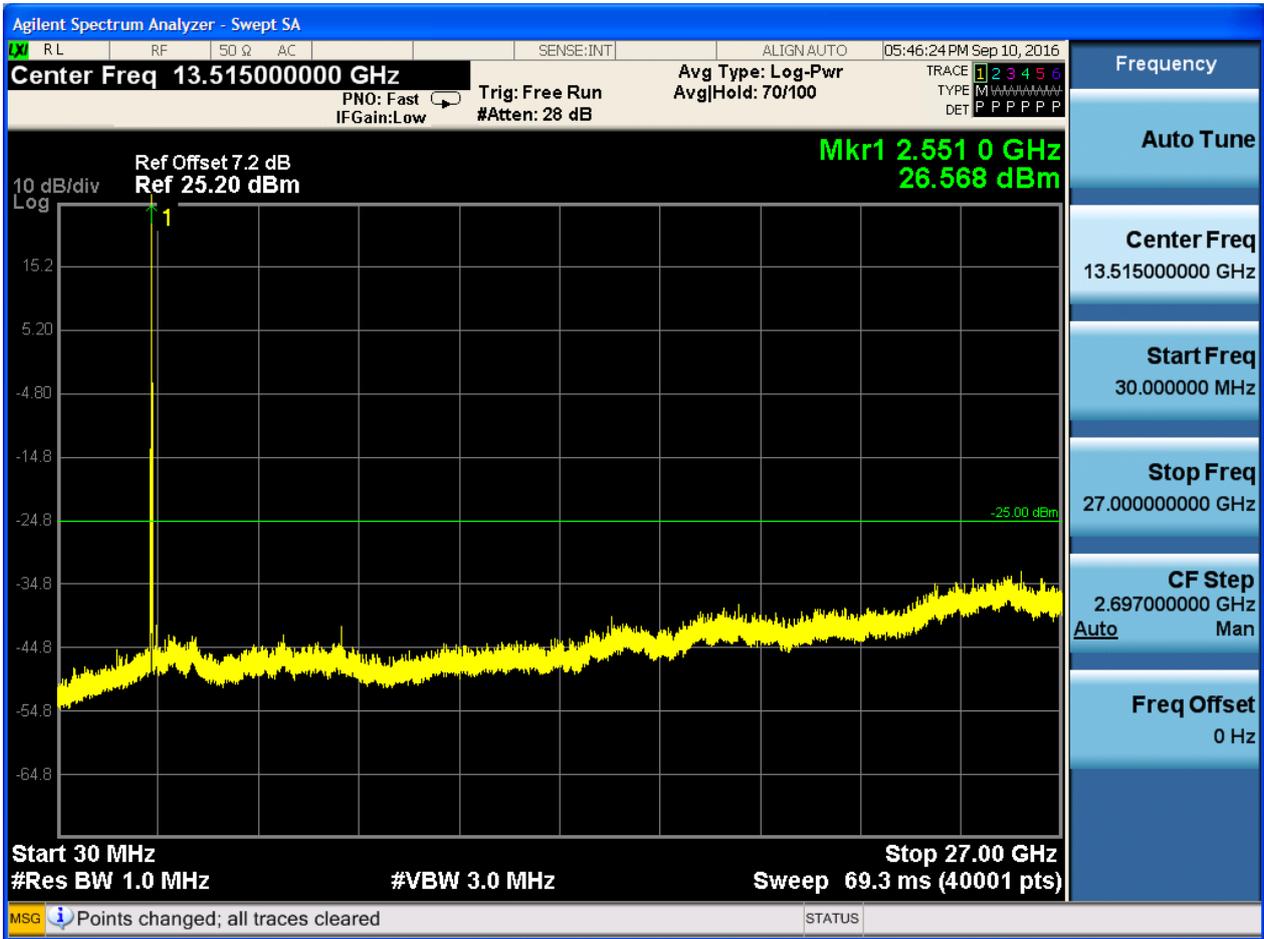












7Appendix_G: Field Strength of Spurious Radiation

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

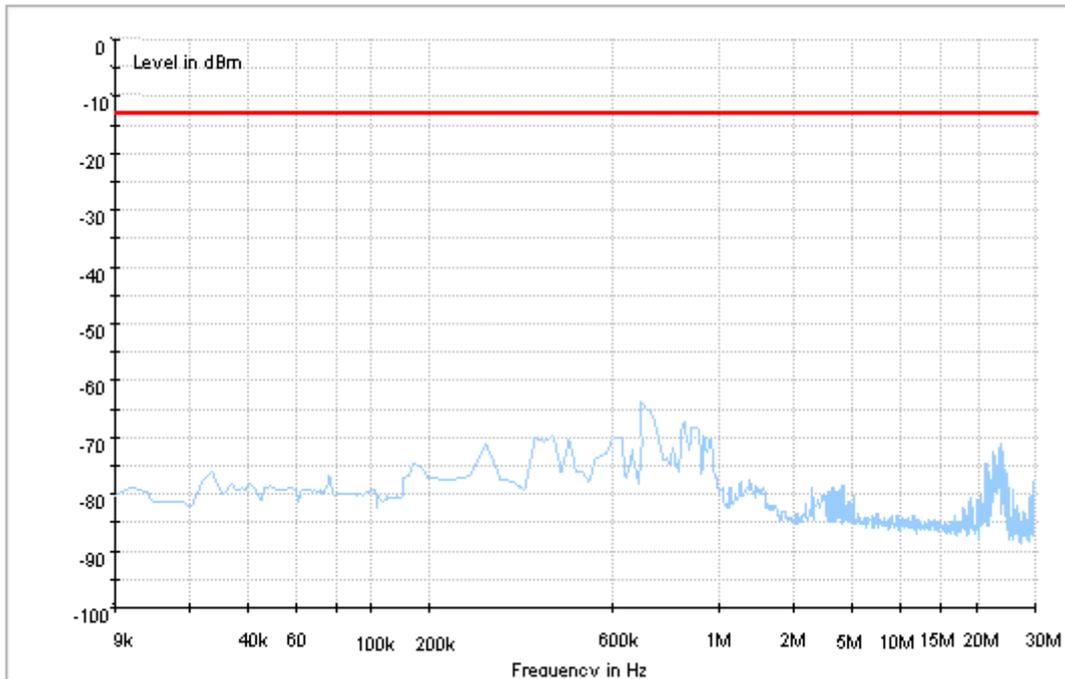
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

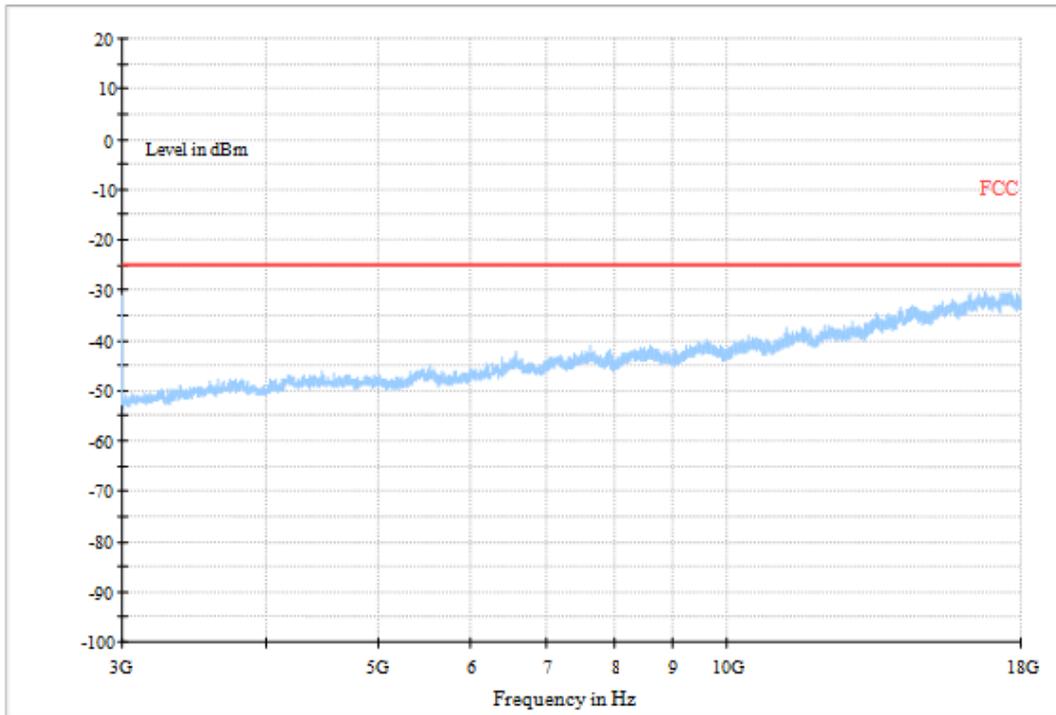
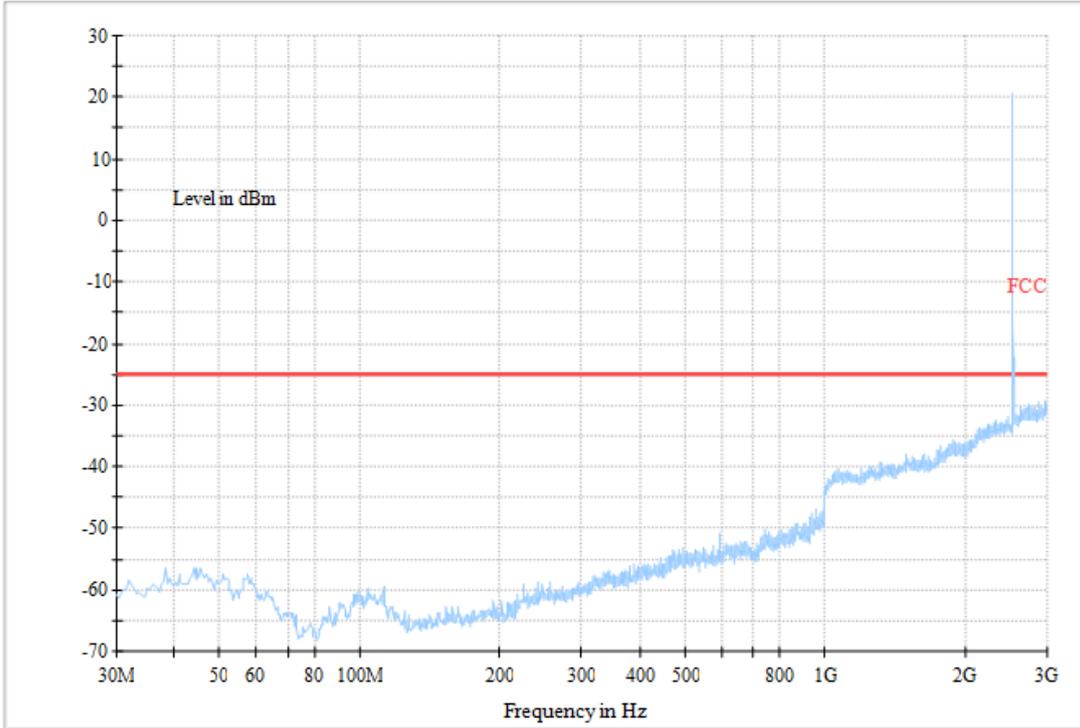
Part I - Test Plots

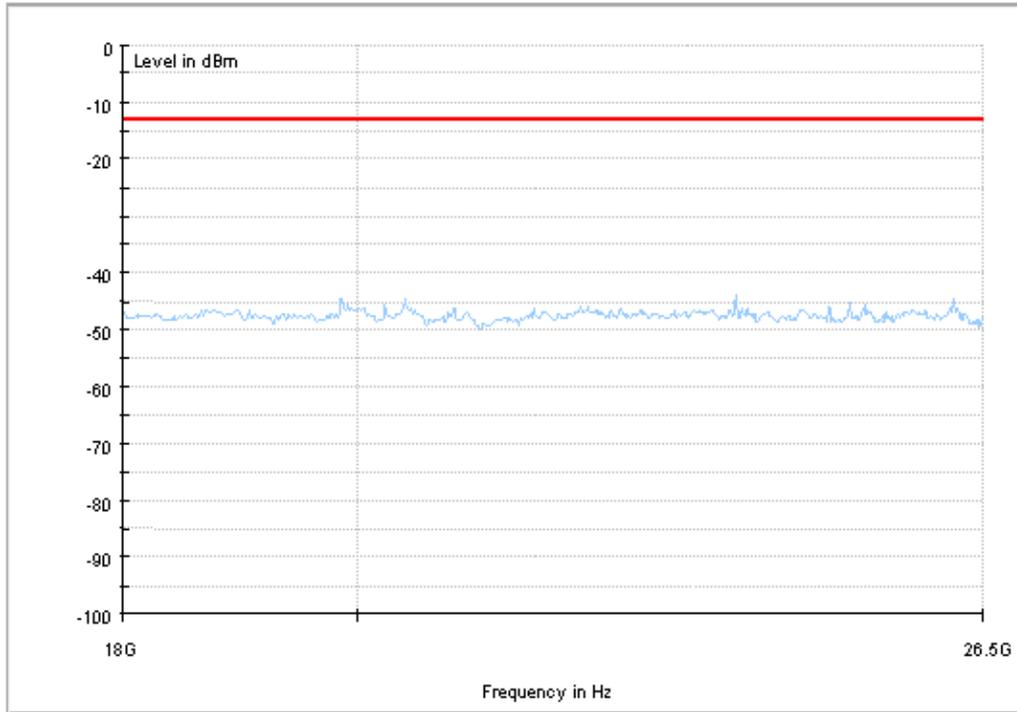
7.1 For LTE

7.1.1 Test Band = BAND7_Ant1

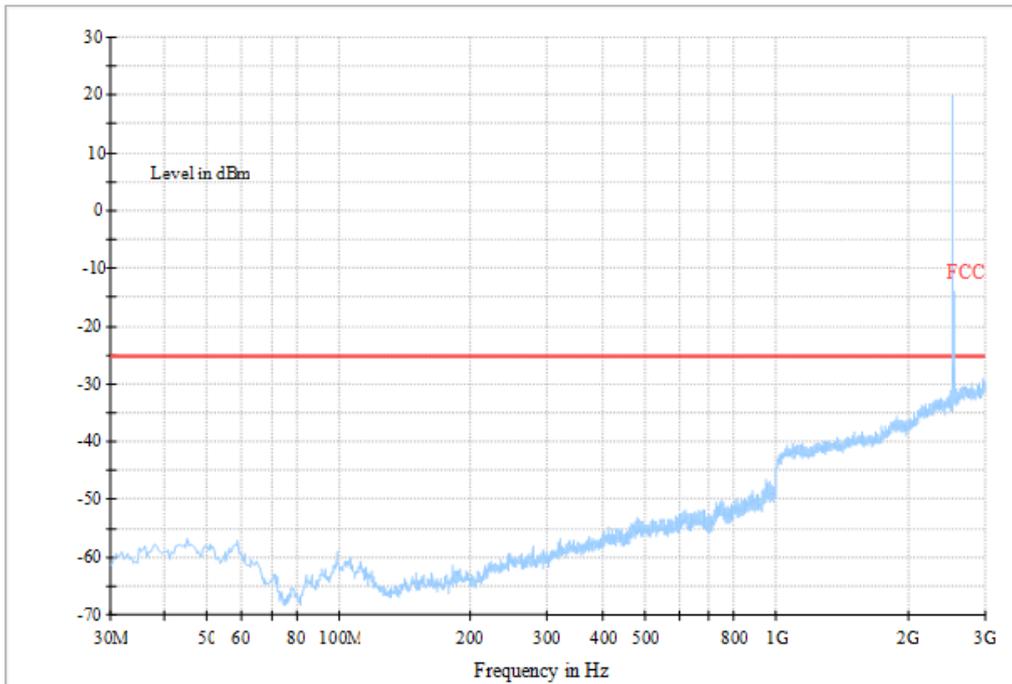
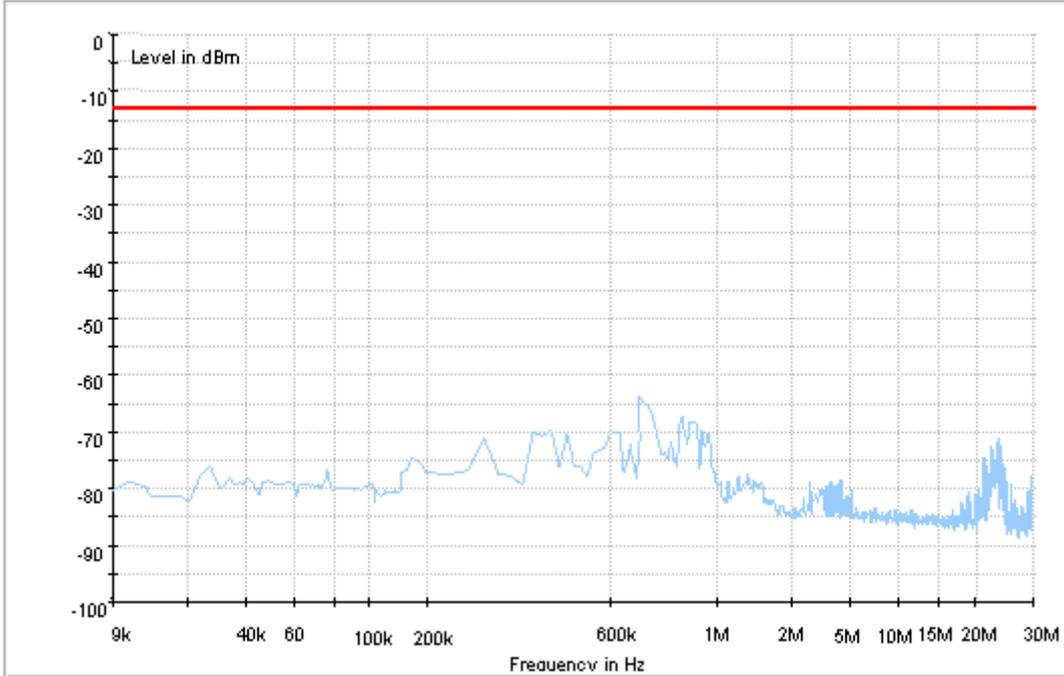
7.1.1.1 Test Bandwidth = 5

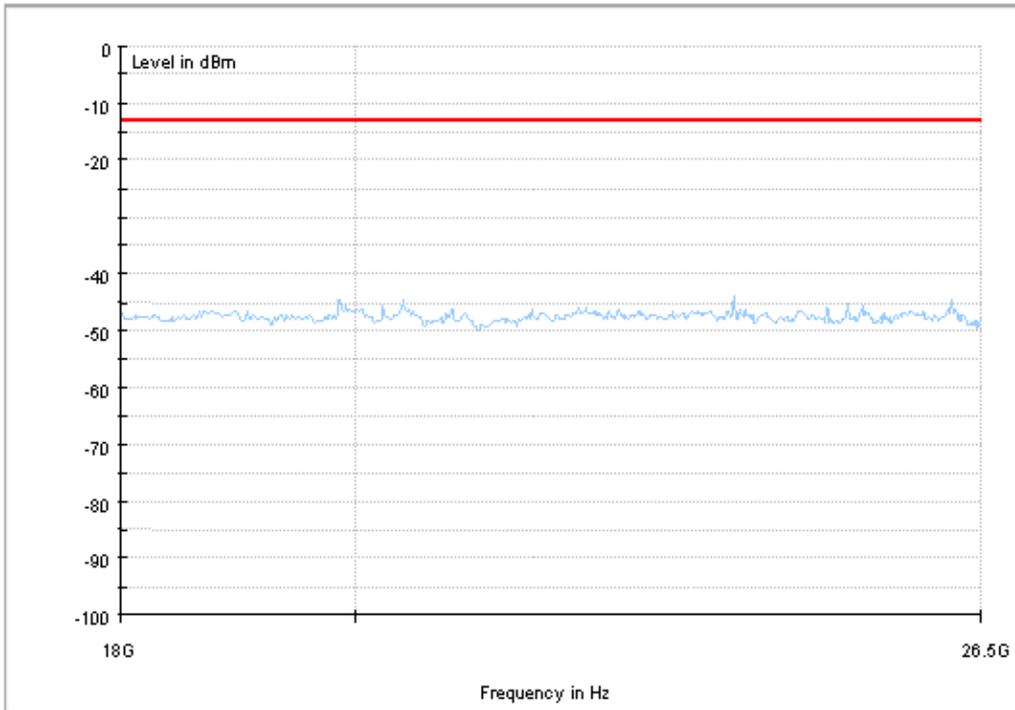
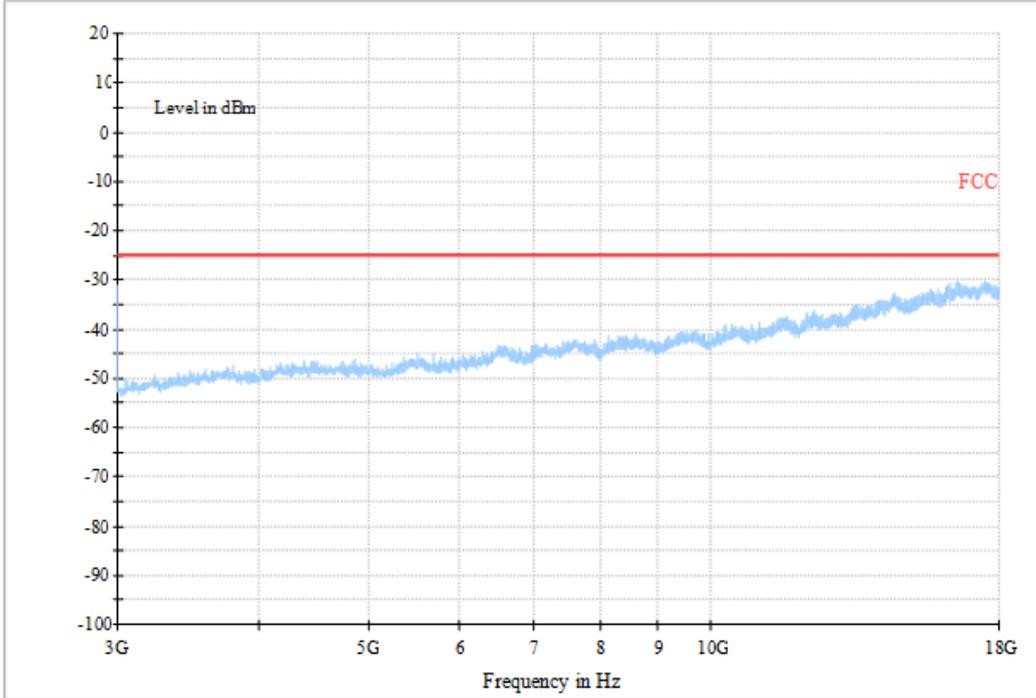






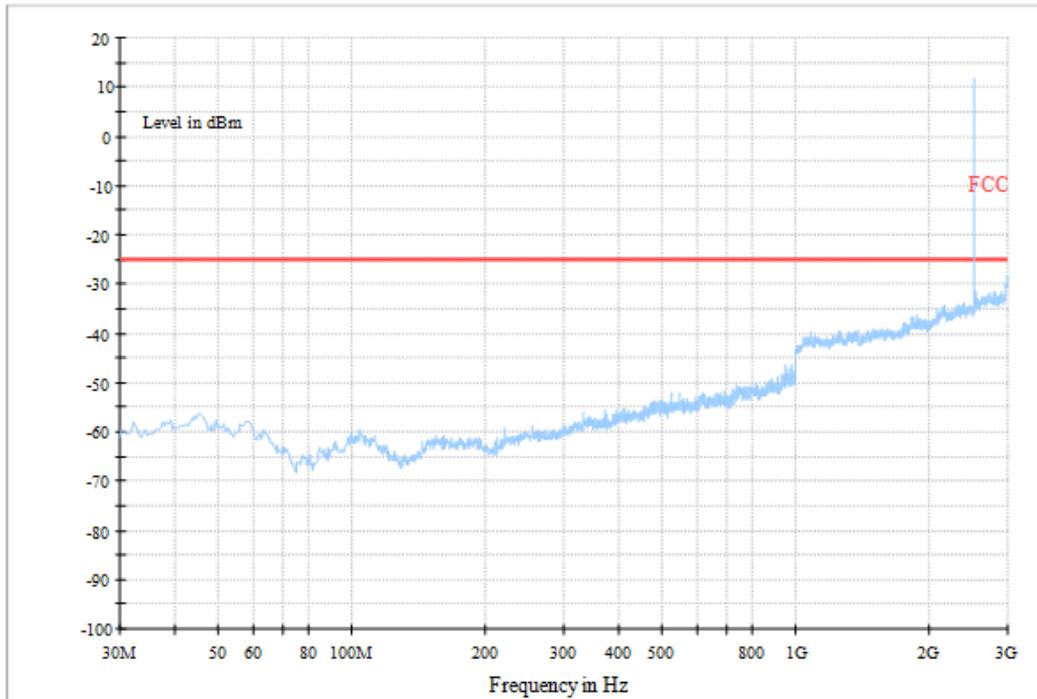
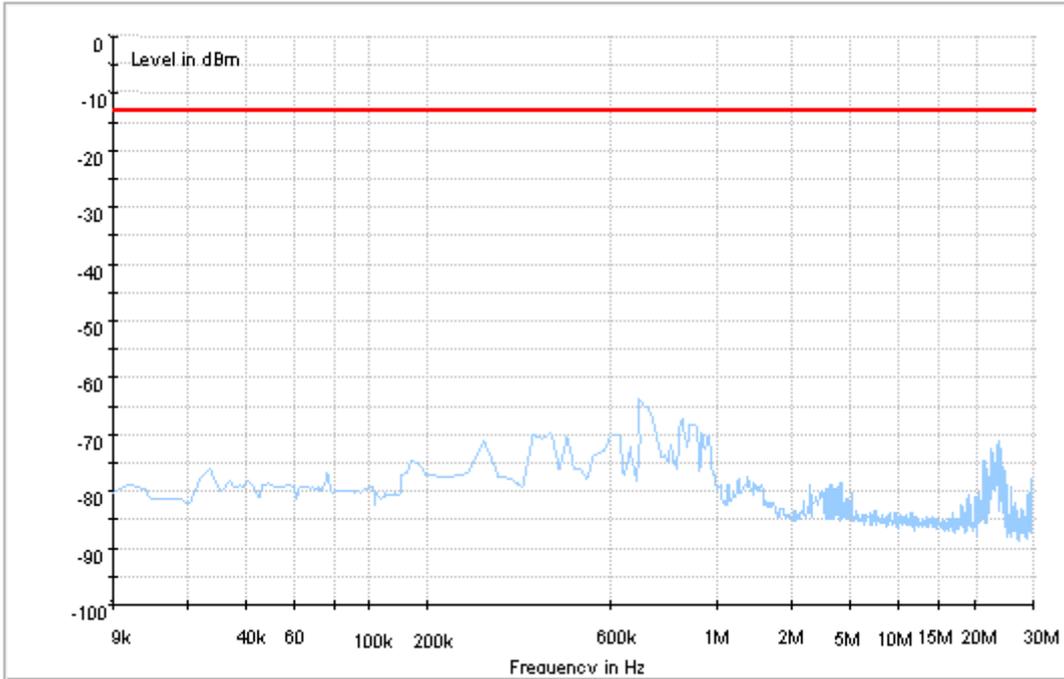
7.1.1.2 Test Bandwidth = 20

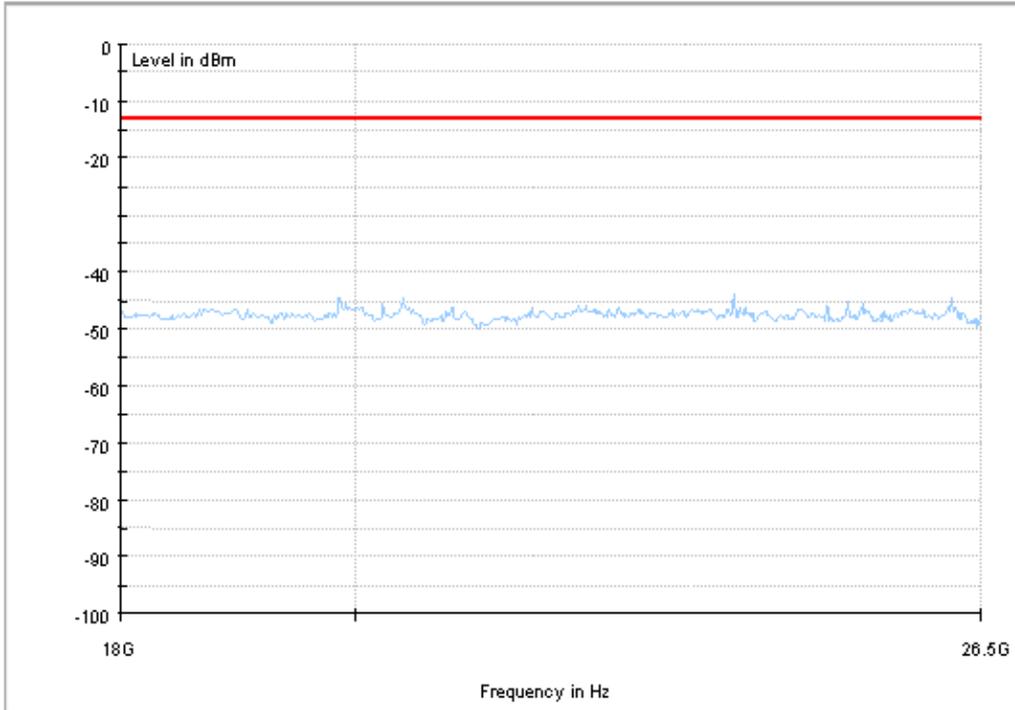
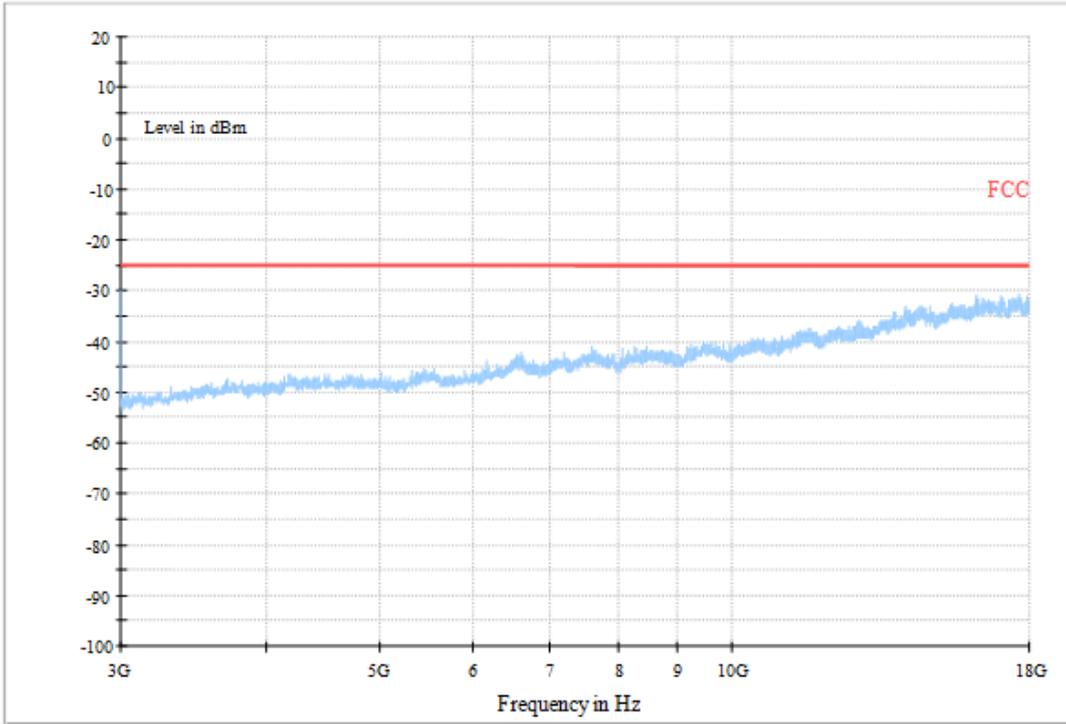




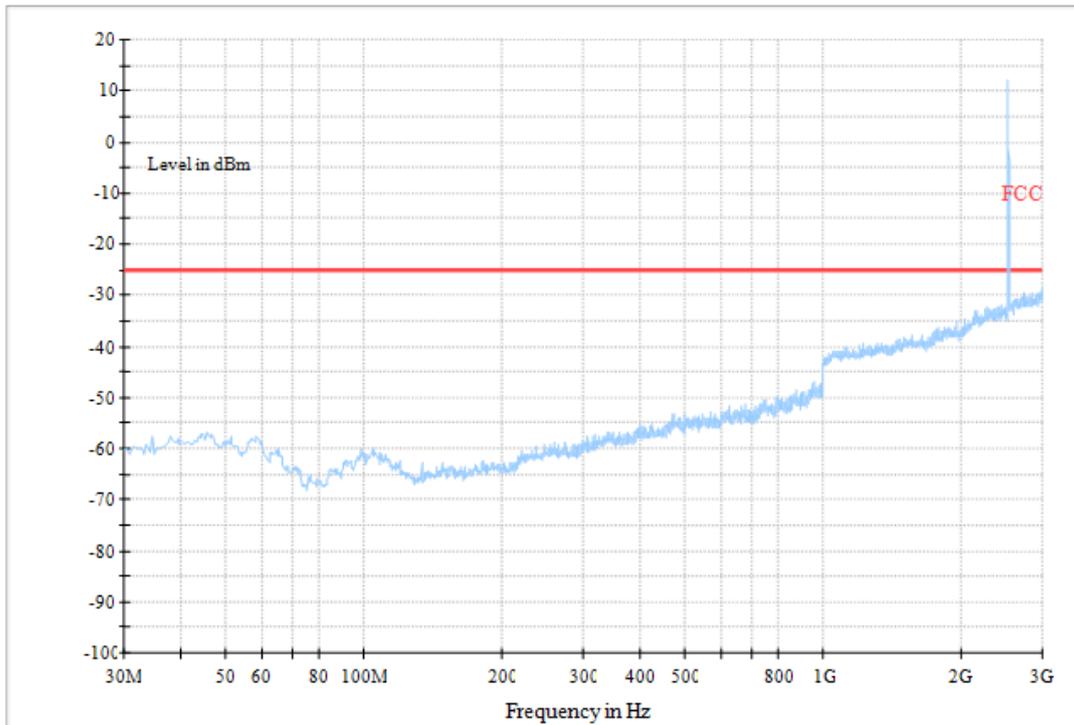
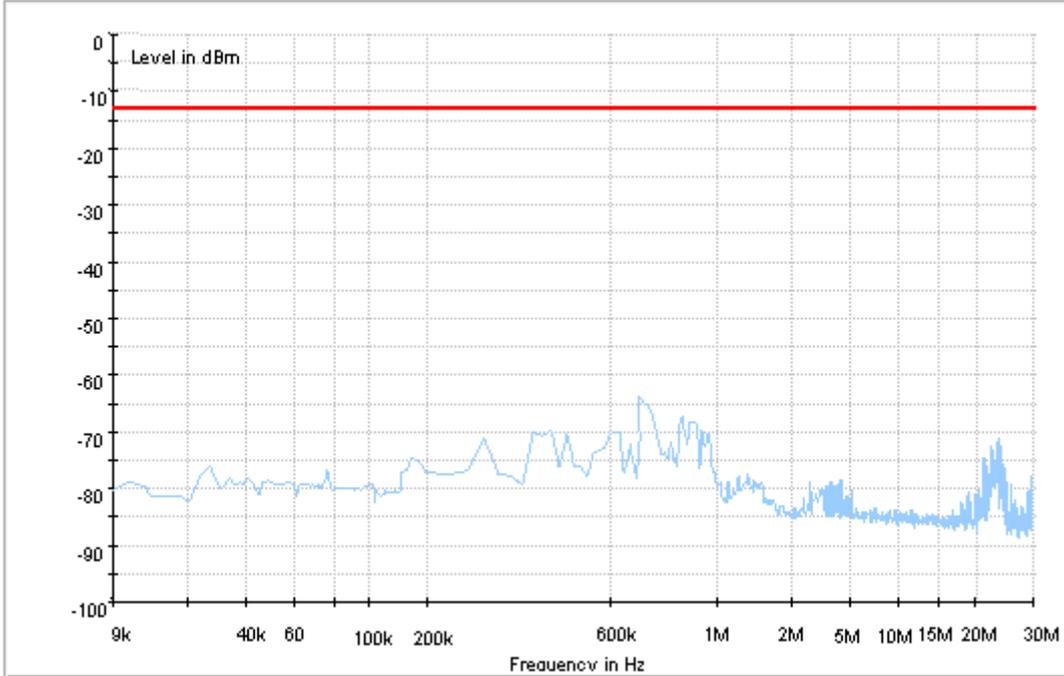
7.1.2 Test Band = BAND7_Ant2

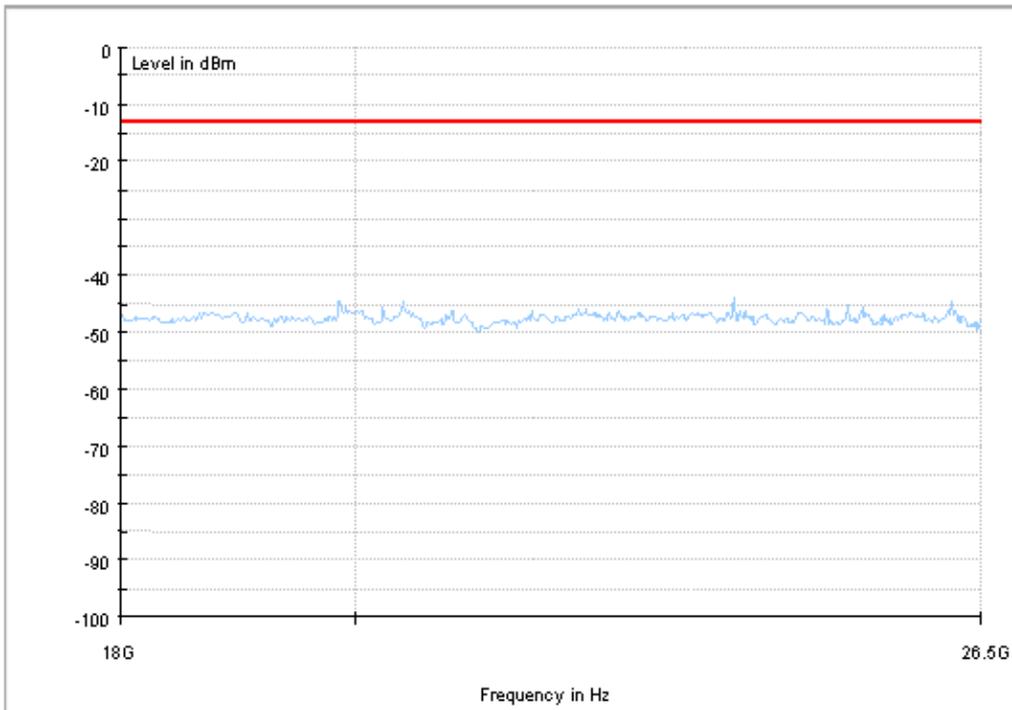
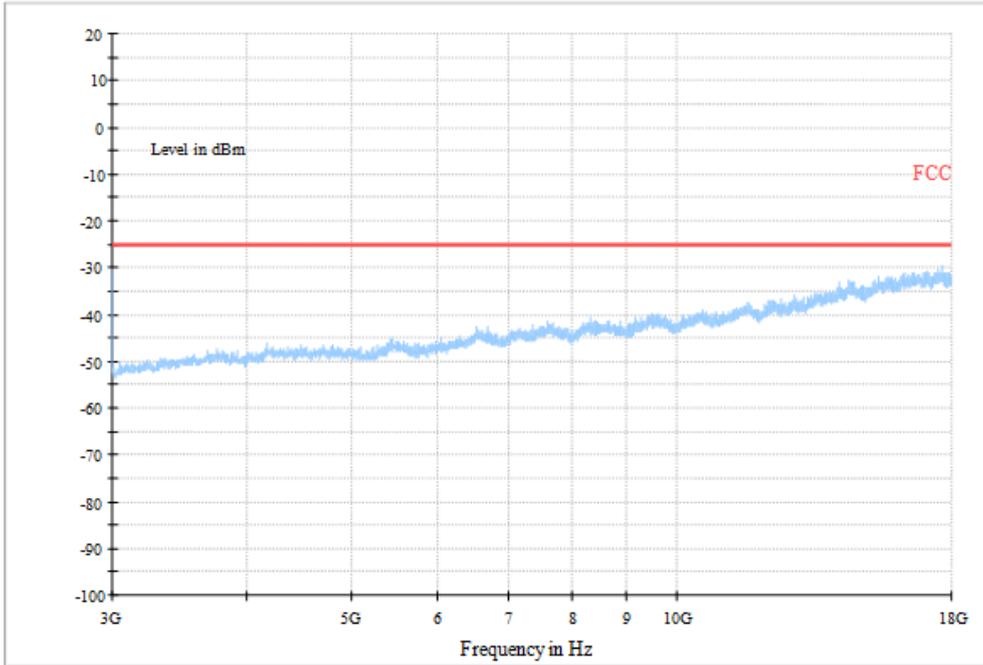
7.1.2.1 Test Bandwidth = 5





7.1.2.2 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	1.44	0.00058	PASS
					VN	2.22	0.00089	PASS
					VH	-2.39	-0.00096	PASS
			MCH	TN	VL	2.03	0.0008	PASS
					VN	-1.39	-0.00055	PASS
					VH	2.33	0.00092	PASS
			HCH	TN	VL	-0.24	-0.00009	PASS
					VN	-7.31	-0.00285	PASS
					VH	1.10	0.00043	PASS
		10	LCH	TN	VL	-14.59	-0.00582	PASS
					VN	-11.19	-0.00447	PASS
					VH	1.66	0.00066	PASS
			MCH	TN	VL	-0.99	-0.00039	PASS
					VN	1.50	0.00059	PASS
					VH	-5.71	-0.00225	PASS
			HCH	TN	VL	-3.43	-0.00134	PASS
					VN	3.09	0.0012	PASS
					VH	3.10	0.00121	PASS
		15	LCH	TN	VL	-0.37	-0.00015	PASS
					VN	1.83	0.00073	PASS
					VH	-2.93	-0.00117	PASS
			MCH	TN	VL	-3.48	-0.00137	PASS
					VN	2.79	0.0011	PASS
					VH	0.49	0.00019	PASS
			HCH	TN	VL	-10.86	-0.00424	PASS
					VN	-1.36	-0.00053	PASS
					VH	-1.16	-0.00045	PASS
		20	LCH	TN	VL	-2.12	-0.00084	PASS
					VN	0.00	0	PASS
					VH	-0.04	-0.00002	PASS
				MCH	TN	VL	-6.52	-0.00257



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					VN	0.27	0.00011	PASS	
					VH	1.44	0.00057	PASS	
					VL	-7.22	-0.00282	PASS	
			HCH	TN	VN	1.73	0.00068	PASS	
					VH	1.12	0.00044	PASS	
					VL	1.89	0.00076	PASS	
		5	LCH	TN	VN	4.63	0.00185	PASS	
					VH	2.06	0.00082	PASS	
					VL	0.90	0.00036	PASS	
			MCH	TN	VN	1.73	0.00068	PASS	
					VH	2.37	0.00093	PASS	
					VL	-0.24	-0.00009	PASS	
	HCH		TN	VN	-11.04	-0.0043	PASS		
				VH	2.43	0.00095	PASS		
				VL	3.40	0.00136	PASS		
	10		LCH	TN	VN	0.84	0.00034	PASS	
					VH	-8.41	-0.00336	PASS	
					VL	11.37	0.00449	PASS	
			MCH	TN	VN	9.56	0.00377	PASS	
					VH	9.04	0.00357	PASS	
					VL	-3.45	-0.00135	PASS	
			HCH	TN	VN	0.19	0.00007	PASS	
					VH	2.53	0.00099	PASS	
					VL	-6.34	-0.00253	PASS	
	15	LCH	TN	VN	1.87	0.00075	PASS		
				VH	2.47	0.00099	PASS		
				VL	-2.32	-0.00092	PASS		
		MCH	TN	VN	-8.75	-0.00345	PASS		
				VH	1.43	0.00056	PASS		
				VL	-5.35	-0.00209	PASS		
		HCH	TN	VN	1.47	0.00057	PASS		
				VH	2.33	0.00091	PASS		
				VL	-2.60	-0.00104	PASS		
	20	LCH	TN	VN	1.90	0.00076	PASS		
				VH	-1.79	-0.00071	PASS		
				VL	-5.74	-0.00226	PASS		
		MCH	TN	VN	1.52	0.0006	PASS		
				VH	0.76	0.0003	PASS		
				VL	-0.33	-0.00013	PASS		
		LTE/TM2				VN	0.27	0.00011	PASS
						VH	1.44	0.00057	PASS
						VL	-7.22	-0.00282	PASS
VN						1.73	0.00068	PASS	
VH						1.12	0.00044	PASS	
VL						1.89	0.00076	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	2.02	0.00079	PASS
					VH	-7.97	-0.00311	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	-0.6	-0.00286	PASS
					-20	-1.54	-0.00324	PASS
					-10	0.72	-0.00233	PASS
					0	-1.33	-0.00315	PASS
					10	-9.37	-0.00636	PASS
					20	-4.41	-0.00438	PASS
					30	-3.19	-0.00389	PASS
			40	-1.29	-0.00314	PASS		
			50	2.56	-0.0016	PASS		
			MCH	VN	-30	-2.05	-0.00343	PASS
					-20	-3.72	-0.00409	PASS
					-10	-4.28	-0.00431	PASS
					0	-4.73	-0.00449	PASS
					10	-2.39	-0.00357	PASS
		20			-0.73	-0.00291	PASS	
		30			-2.02	-0.00342	PASS	
		40	-2.27	-0.00352	PASS			
		50	-5.29	-0.00471	PASS			
		HCH	VN	-30	-5.91	-0.00493	PASS	
				-20	-3	-0.00379	PASS	
				-10	-4.72	-0.00446	PASS	
				0	-7.9	-0.0057	PASS	
				10	-1.2	-0.00309	PASS	
				20	-6.42	-0.00512	PASS	
				30	-5.16	-0.00463	PASS	
		40	-5.03	-0.00458	PASS			
		50	-3.69	-0.00406	PASS			
		10	LCH	VN	-30	-15.86	-0.00895	PASS
-20	-16.28				-0.00912	PASS		
-10	-21.87				-0.01135	PASS		
0	-56.38				-0.02513	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			10	-16.11	-0.00905	PASS
					20	-4.18	-0.00429	PASS
					30	-9.44	-0.00639	PASS
					40	-13.43	-0.00798	PASS
					50	-27.41	-0.01356	PASS
			MCH	VN	-30	-3.05	-0.00383	PASS
					-20	-2.33	-0.00354	PASS
					-10	-2.52	-0.00362	PASS
					0	-2.15	-0.00347	PASS
					10	-2.92	-0.00377	PASS
					20	-4.13	-0.00425	PASS
					30	-1.26	-0.00312	PASS
					40	-1.34	-0.00315	PASS
					50	-0.51	-0.00282	PASS
			HCH	VN	-30	-5.02	-0.00458	PASS
					-20	-2.5	-0.0036	PASS
					-10	0.13	-0.00257	PASS
					0	-3.02	-0.0038	PASS
					10	-4.21	-0.00427	PASS
					20	0.83	-0.0023	PASS
					30	-1.33	-0.00314	PASS
					40	-3.92	-0.00415	PASS
			LCH	VN	-30	-18.3	-0.00992	PASS
					-20	-31.49	-0.01518	PASS
		-10			-21.44	-0.01117	PASS	
		0			-24.29	-0.01231	PASS	
		10			-10.89	-0.00696	PASS	
		20			-18.37	-0.00995	PASS	
		30			-21.71	-0.01128	PASS	
		40			-17.51	-0.0096	PASS	
		50			-15.52	-0.00881	PASS	
		MCH			VN	-30	-3.1	-0.00385
			-20	-3.83		-0.00413	PASS	
-10	-3.76		-0.00411	PASS				
0	-2.99		-0.0038	PASS				
10	-1.57		-0.00324	PASS				
20	-4.73		-0.00449	PASS				
30	-3.15		-0.00386	PASS				

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	-4.66	-0.00446	PASS		
					50	-1.62	-0.00326	PASS		
			HCH	VN	-30	-4.79	-0.00449	PASS		
					-20	-3.99	-0.00418	PASS		
					-10	-1.37	-0.00316	PASS		
					0	-1.92	-0.00337	PASS		
					10	-0.03	-0.00264	PASS		
					20	-4.48	-0.00437	PASS		
					30	-2.52	-0.00361	PASS		
					40	-3.55	-0.00401	PASS		
		50	-4.56	-0.0044	PASS					
					LCH	VN	-30	-4.93	-0.00458	PASS
							-20	-4.12	-0.00426	PASS
							-10	-7.64	-0.00566	PASS
							0	-12.83	-0.00773	PASS
							10	-4.59	-0.00445	PASS
							20	-1.59	-0.00325	PASS
							30	-5.84	-0.00495	PASS
							40	-2.62	-0.00366	PASS
							50	-0.91	-0.00298	PASS
									20	MCH
		-20	-1.97	-0.0034	PASS					
		-10	-1.16	-0.00308	PASS					
		0	-3.2	-0.00388	PASS					
		10	-4.31	-0.00432	PASS					
		20	-1.56	-0.00324	PASS					
		30	-2.72	-0.0037	PASS					
		40	-2.55	-0.00363	PASS					
		50	-4.36	-0.00434	PASS					
					HCH	VN				
							-20	-3.7	-0.00407	PASS
							-10	-1.72	-0.0033	PASS
							0	-3.38	-0.00394	PASS
							10	-1.4	-0.00317	PASS
							20	-5.16	-0.00464	PASS
							30	-2.65	-0.00366	PASS
							40	-3.42	-0.00396	PASS
		50	-4.32	-0.00431	PASS					
		LTE/TM2	5	LCH	VN	-30	-6.49	-0.00521	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
		10			-20	-10.2	-0.0067	PASS		
					-10	-2	-0.00342	PASS		
					0	-5.69	-0.00489	PASS		
					10	-2.69	-0.0037	PASS		
					20	1	-0.00222	PASS		
					30	-2.55	-0.00364	PASS		
					40	-2.03	-0.00343	PASS		
					50	-4.39	-0.00437	PASS		
			MCH	VN	-30	-2.76	-0.00371	PASS		
					-20	-3.08	-0.00384	PASS		
					-10	-1.9	-0.00337	PASS		
					0	0.72	-0.00234	PASS		
					10	-4.05	-0.00422	PASS		
					20	1.22	-0.00214	PASS		
					30	-2.4	-0.00357	PASS		
					40	0.33	-0.00249	PASS		
			HCH	VN	-30	-0.29	-0.00274	PASS		
					-20	-0.3	-0.00274	PASS		
					-10	0.23	-0.00253	PASS		
					0	-2.72	-0.00368	PASS		
					10	-2.12	-0.00345	PASS		
					20	-4.31	-0.0043	PASS		
					30	-5.51	-0.00477	PASS		
					40	-2.72	-0.00368	PASS		
			LCH	VN	-30	0.94	-0.00225	PASS		
					-20	9.06	0.001	PASS		
					-10	2.4	-0.00166	PASS		
					0	2.78	-0.00151	PASS		
		10			1.17	-0.00215	PASS			
		20			-0.41	-0.00278	PASS			
		30			-4.22	-0.0043	PASS			
		40			-2.1	-0.00346	PASS			
		MCH	VN	50	0.67	-0.00235	PASS			
				-30	-2.29	-0.00353	PASS			
				-20	-0.67	-0.00289	PASS			
				-10	-3.23	-0.0039	PASS			
							0	-5.06	-0.00462	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	-1.9	-0.00337	PASS		
					20	-2.86	-0.00375	PASS		
					30	-0.91	-0.00298	PASS		
					40	-2.87	-0.00375	PASS		
					50	-2.42	-0.00358	PASS		
			HCH	VN	-30	-0.89	-0.00297	PASS		
					-20	-3.16	-0.00386	PASS		
					-10	-3.92	-0.00415	PASS		
					0	-4.66	-0.00444	PASS		
					10	-3.06	-0.00382	PASS		
					20	-3.88	-0.00414	PASS		
					30	-2.1	-0.00344	PASS		
					40	-1.96	-0.00339	PASS		
					50	-0.84	-0.00295	PASS		
					LCH	VN	-30	6.5	-3E-05	PASS
							-20	3.08	-0.00139	PASS
							-10	0.49	-0.00243	PASS
							0	0.14	-0.00256	PASS
		10	-0.7	-0.0029			PASS			
		20	0.6	-0.00238			PASS			
		30	-2.23	-0.00351			PASS			
		40	-2.56	-0.00364			PASS			
		50	-3.42	-0.00398			PASS			
		MCH	VN	-30			-2.22	-0.0035	PASS	
				-20	-3.22	-0.00389	PASS			
				-10	-0.69	-0.00289	PASS			
				0	-3.98	-0.00419	PASS			
				10	-2.69	-0.00368	PASS			
				20	-3.55	-0.00402	PASS			
				30	-2.92	-0.00377	PASS			
				40	-6.44	-0.00516	PASS			
		HCH	VN	50	-4.99	-0.00459	PASS			
				-30	0.64	-0.00237	PASS			
				-20	-1.47	-0.0032	PASS			
				-10	-3.53	-0.004	PASS			
				0	-2	-0.0034	PASS			
				10	-2.96	-0.00378	PASS			
				20	-2.22	-0.00349	PASS			
		30	-2.62	-0.00365	PASS					
		15								



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.46	-0.00358	PASS
					50	-3.65	-0.00405	PASS
		20	LCH	VN	-30	-8.7	-0.00609	PASS
					-20	-6.59	-0.00525	PASS
					-10	-7.84	-0.00574	PASS
					0	-3.92	-0.00418	PASS
					10	-7.85	-0.00575	PASS
					20	-5.39	-0.00477	PASS
					30	-3.4	-0.00398	PASS
					40	-7.58	-0.00564	PASS
					50	-3.13	-0.00387	PASS
					MCH	VN	-30	-4.46
			-20	-1.87			-0.00336	PASS
			-10	-2.49			-0.0036	PASS
			0	-1.19			-0.00309	PASS
			10	-4.52			-0.00441	PASS
			20	-3.9			-0.00416	PASS
			30	-2.22			-0.0035	PASS
			40	-1.32			-0.00314	PASS
			HCH	VN	50	-0.67	-0.00289	PASS
					-30	-2.55	-0.00362	PASS
					-20	-1.64	-0.00326	PASS
					-10	-1.59	-0.00324	PASS
					0	-2.62	-0.00365	PASS
					10	-4.38	-0.00433	PASS
					20	-0.97	-0.003	PASS
		30			-2.83	-0.00373	PASS	
		40	-2.23	-0.00349	PASS			
					50	-2.6	-0.00364	PASS

END