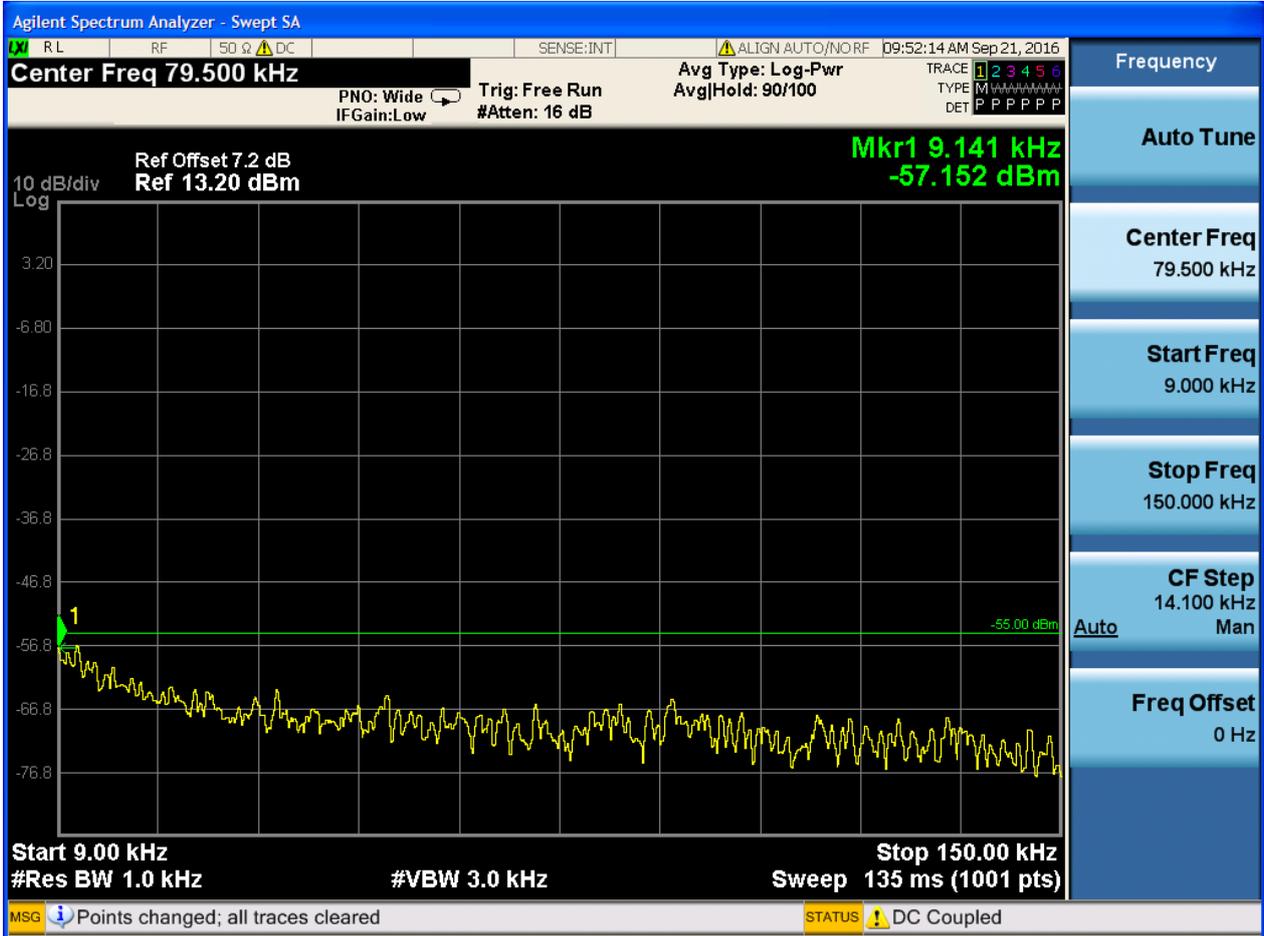
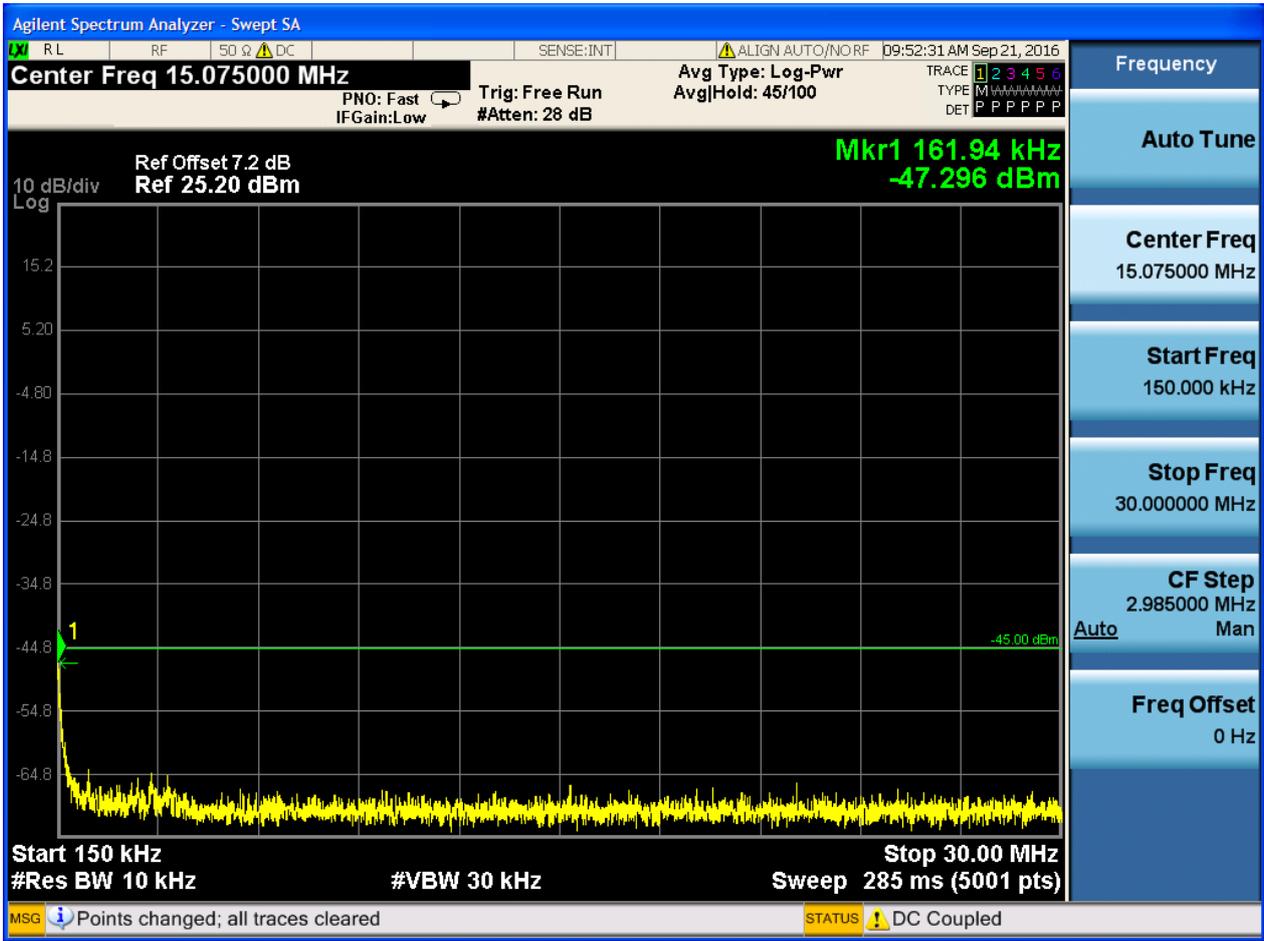




6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





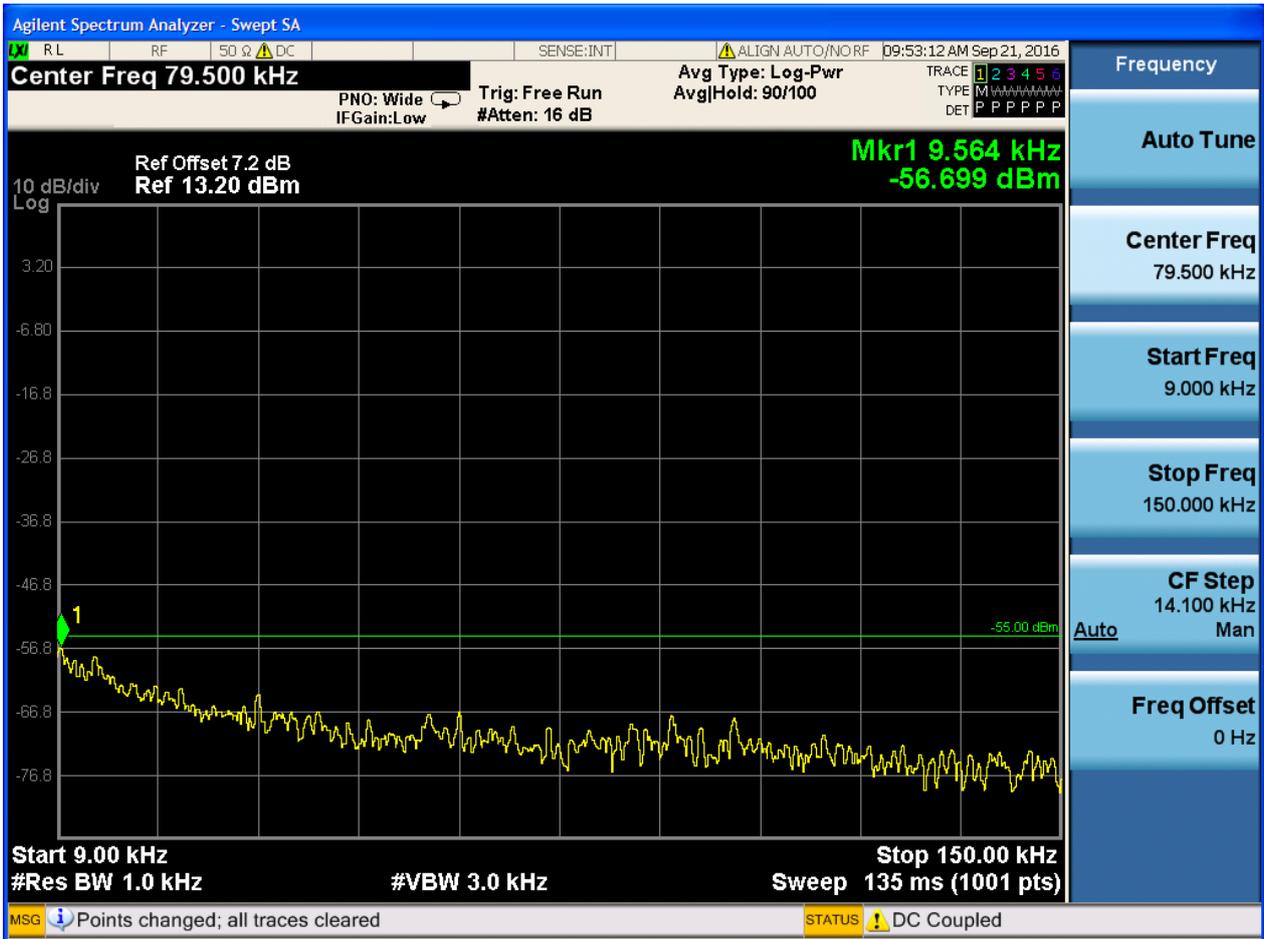


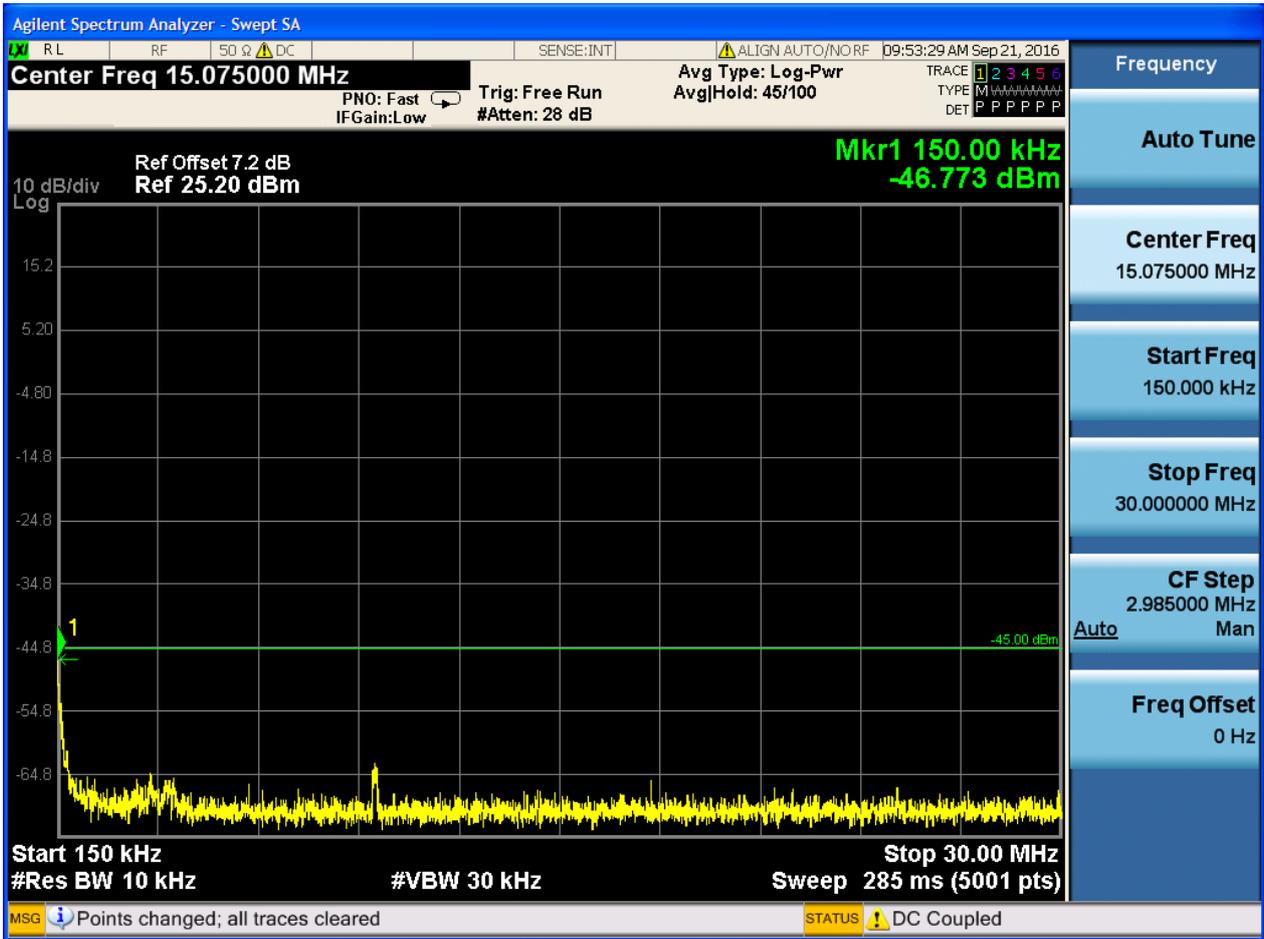


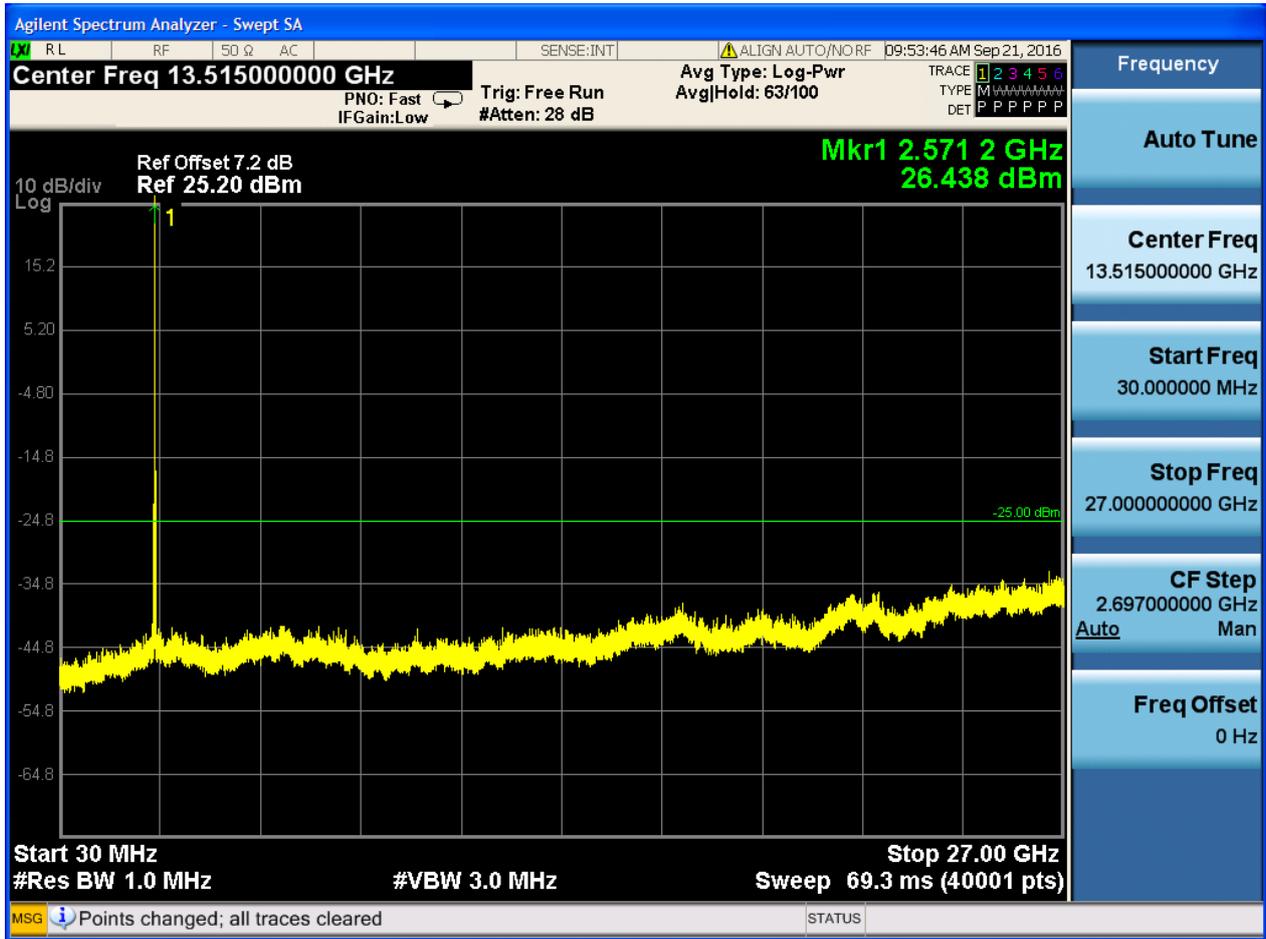
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



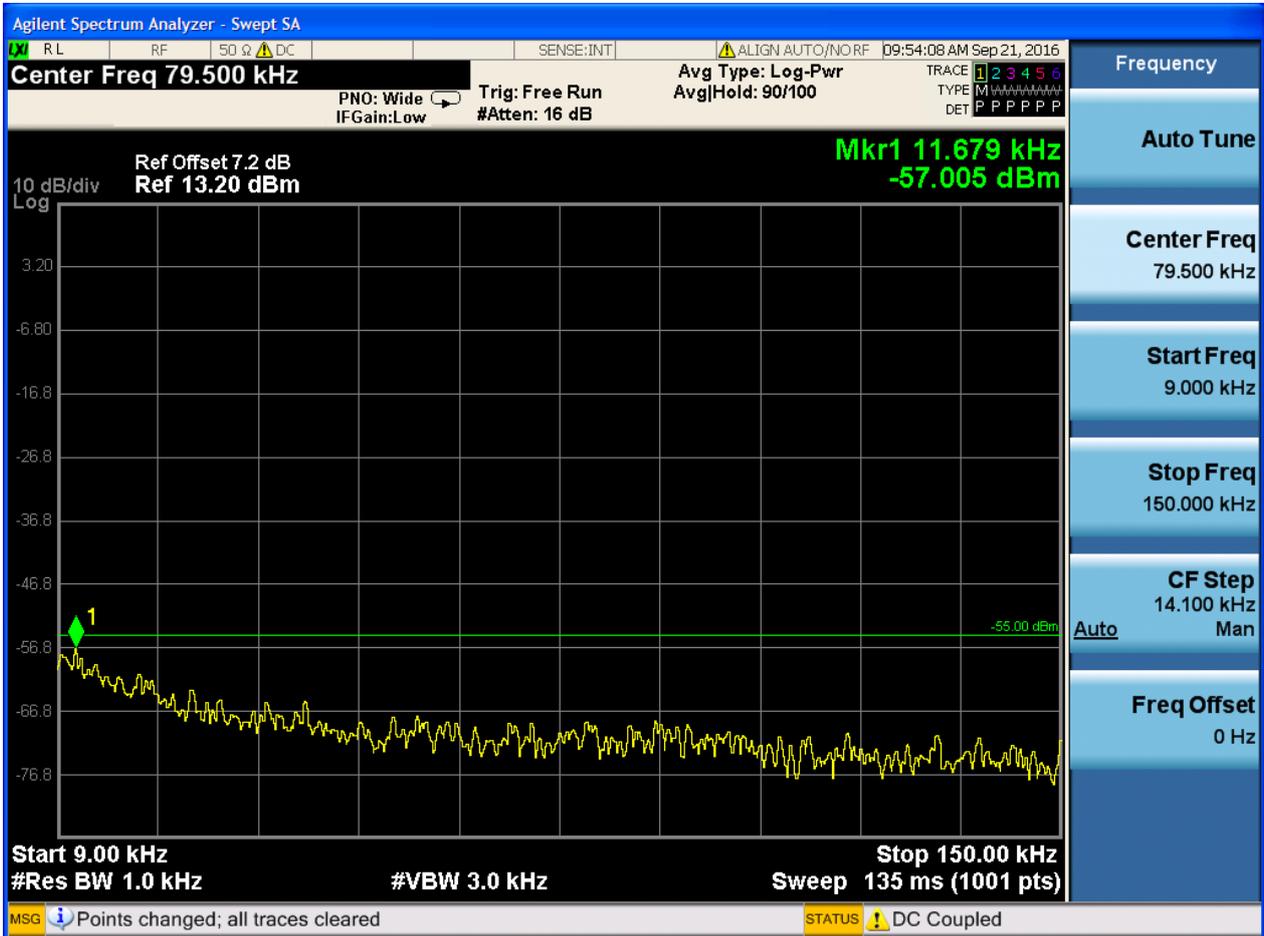


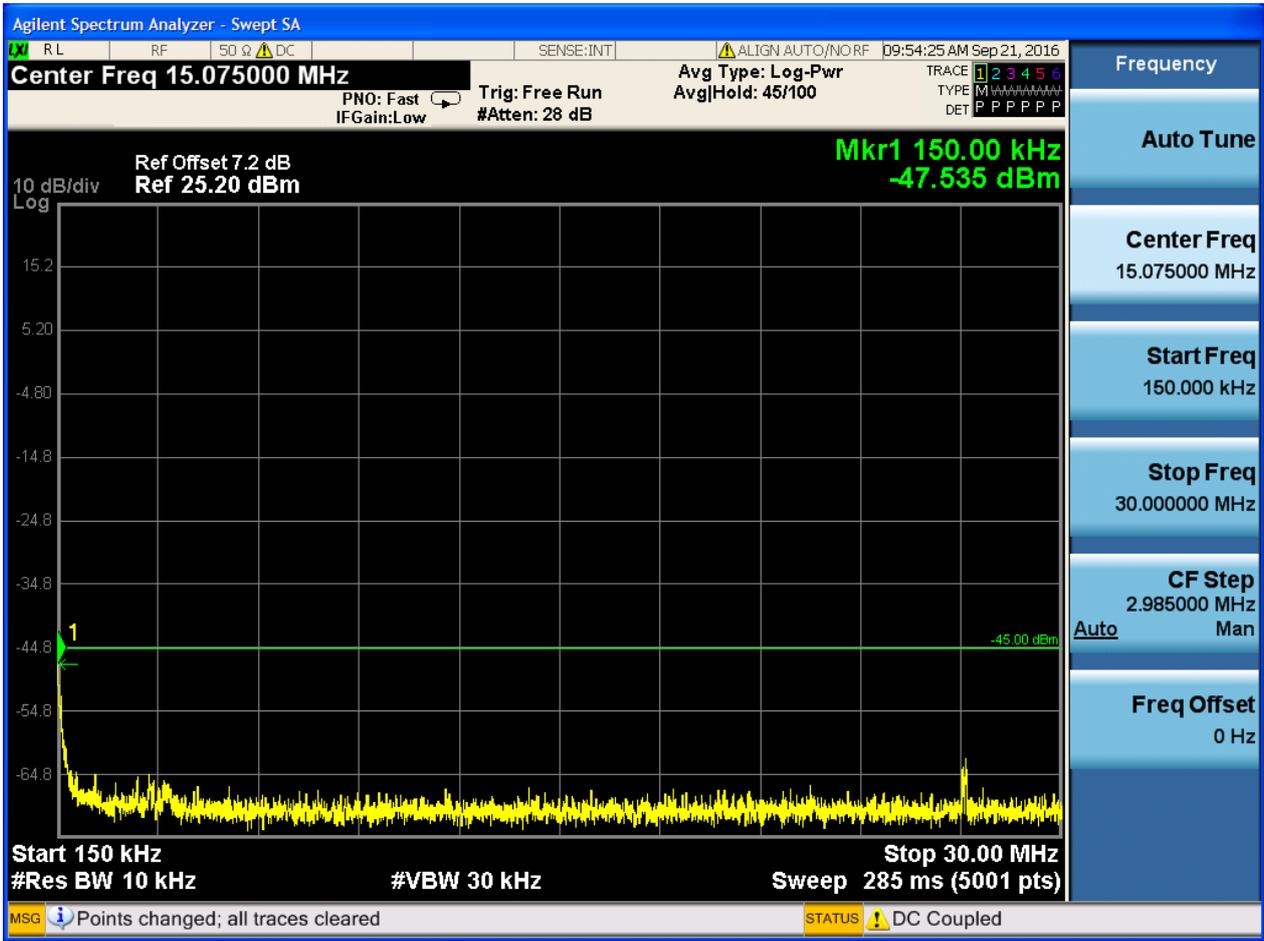


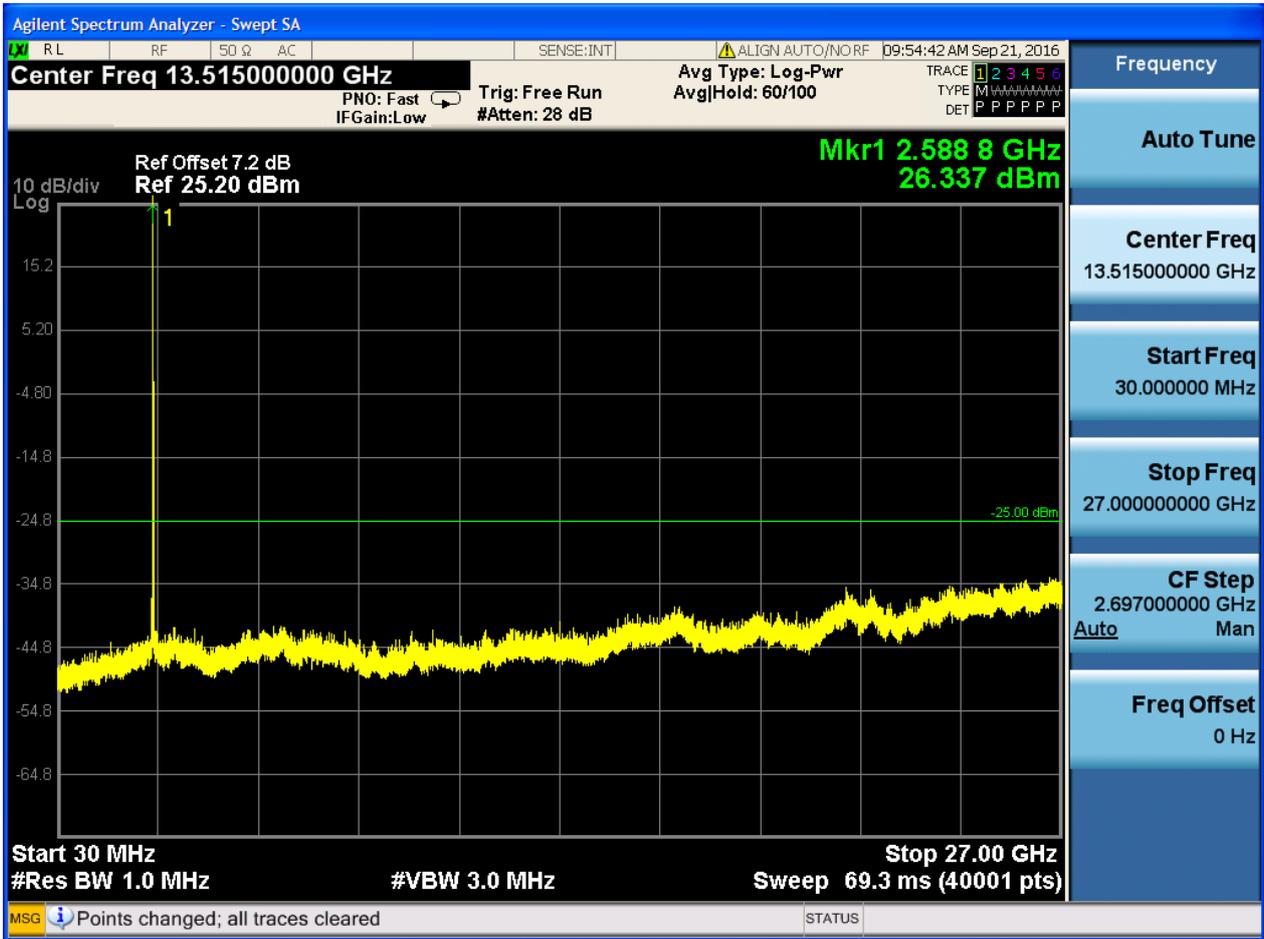


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



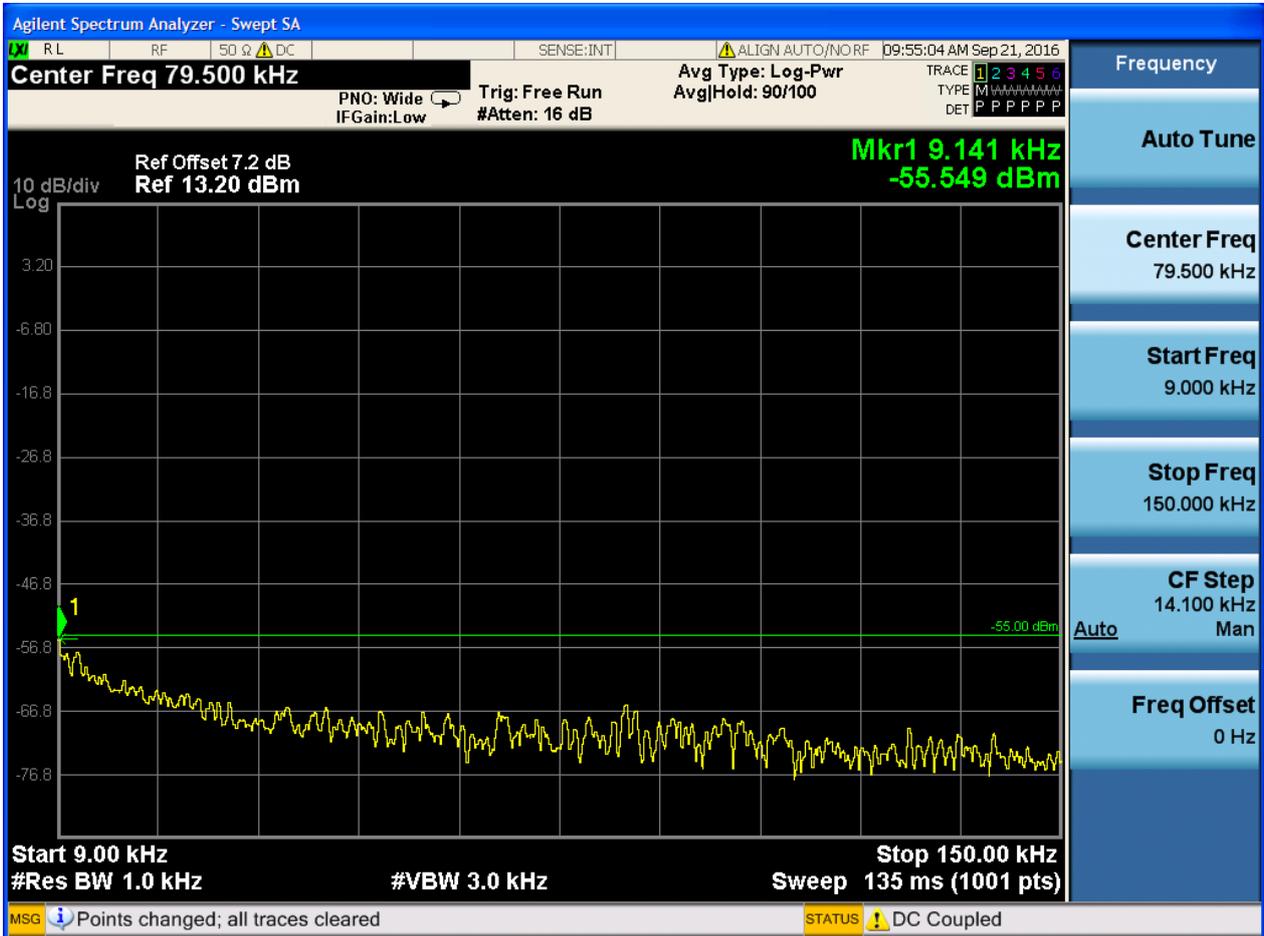


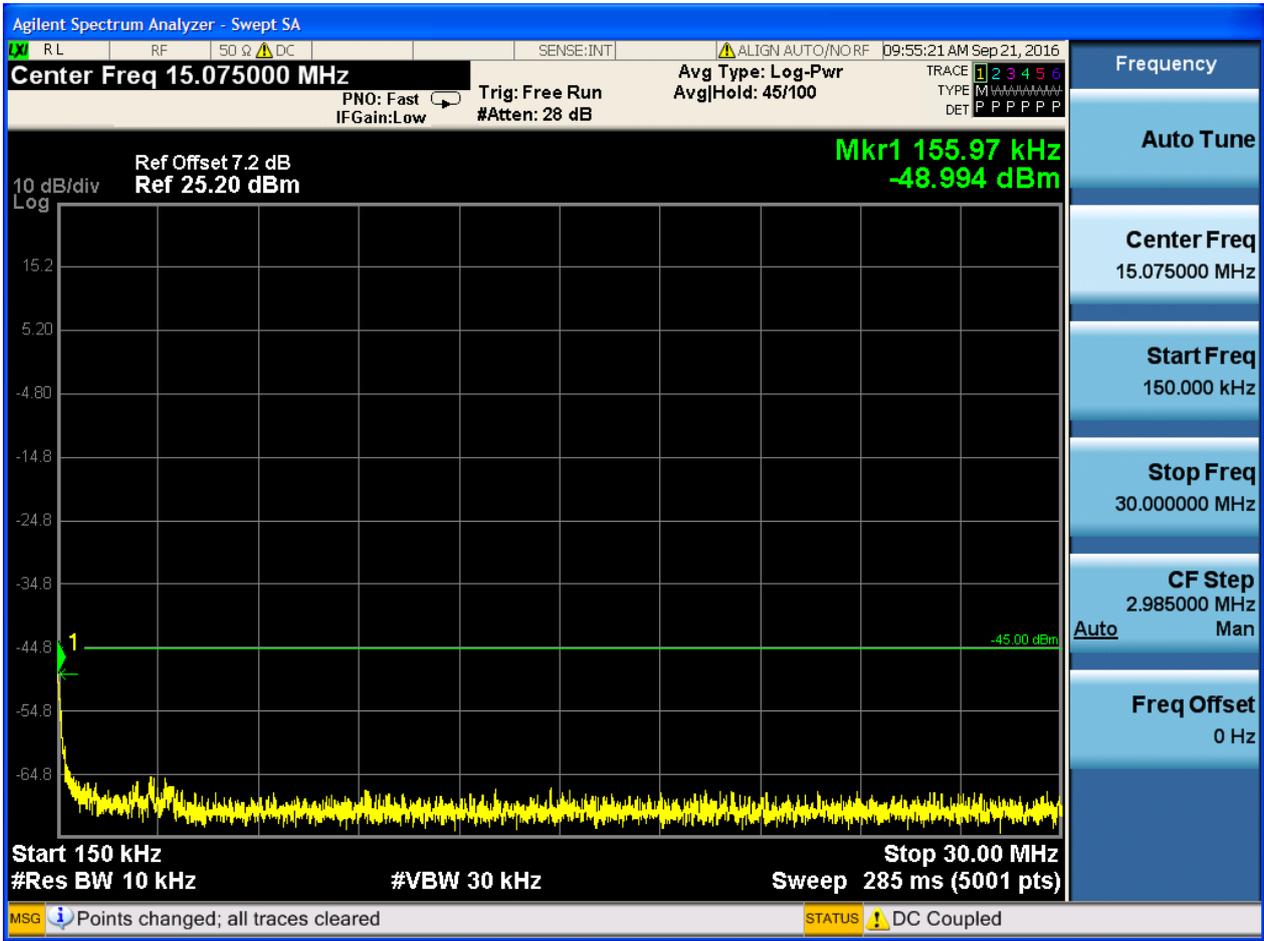


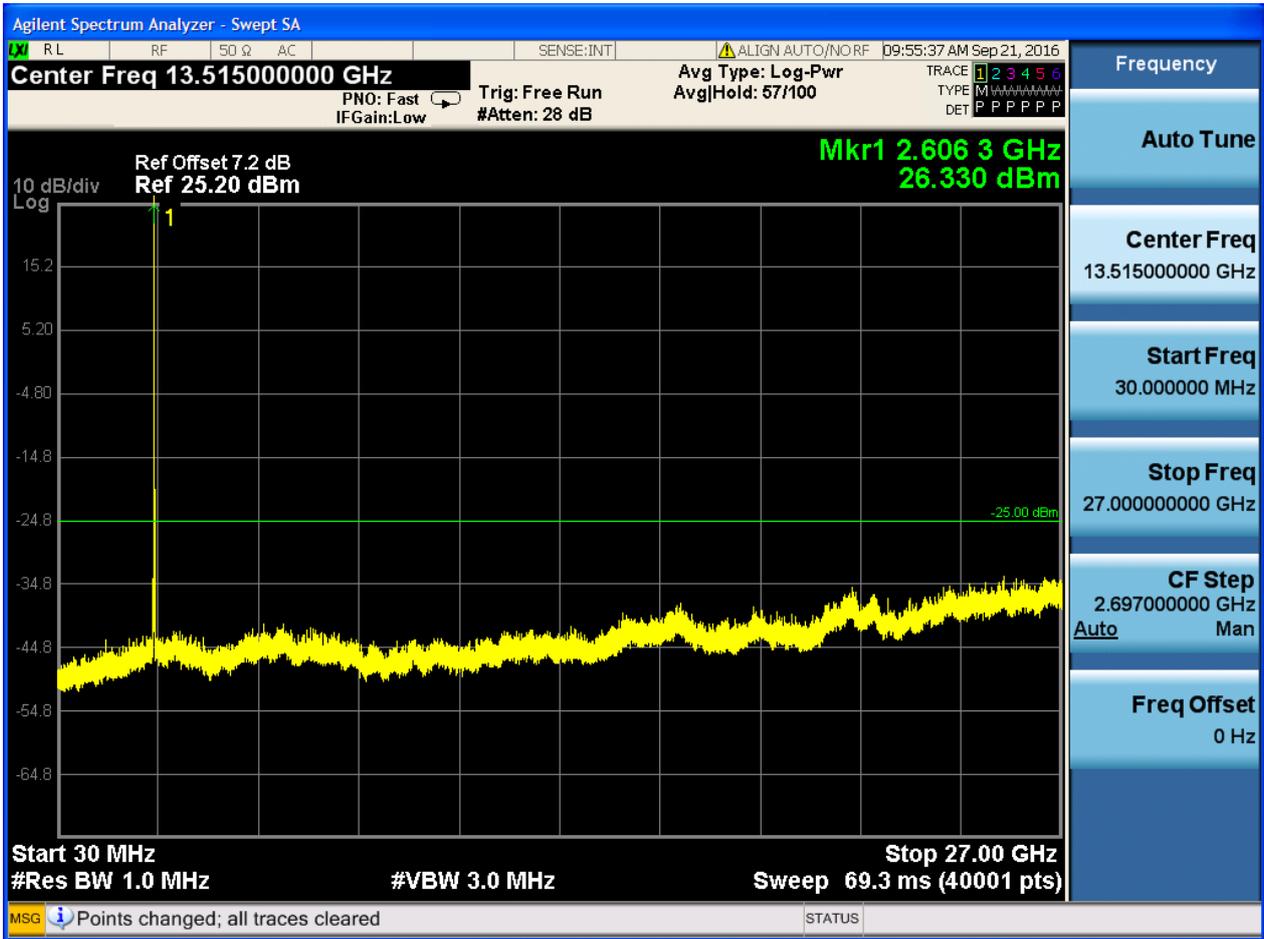


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0

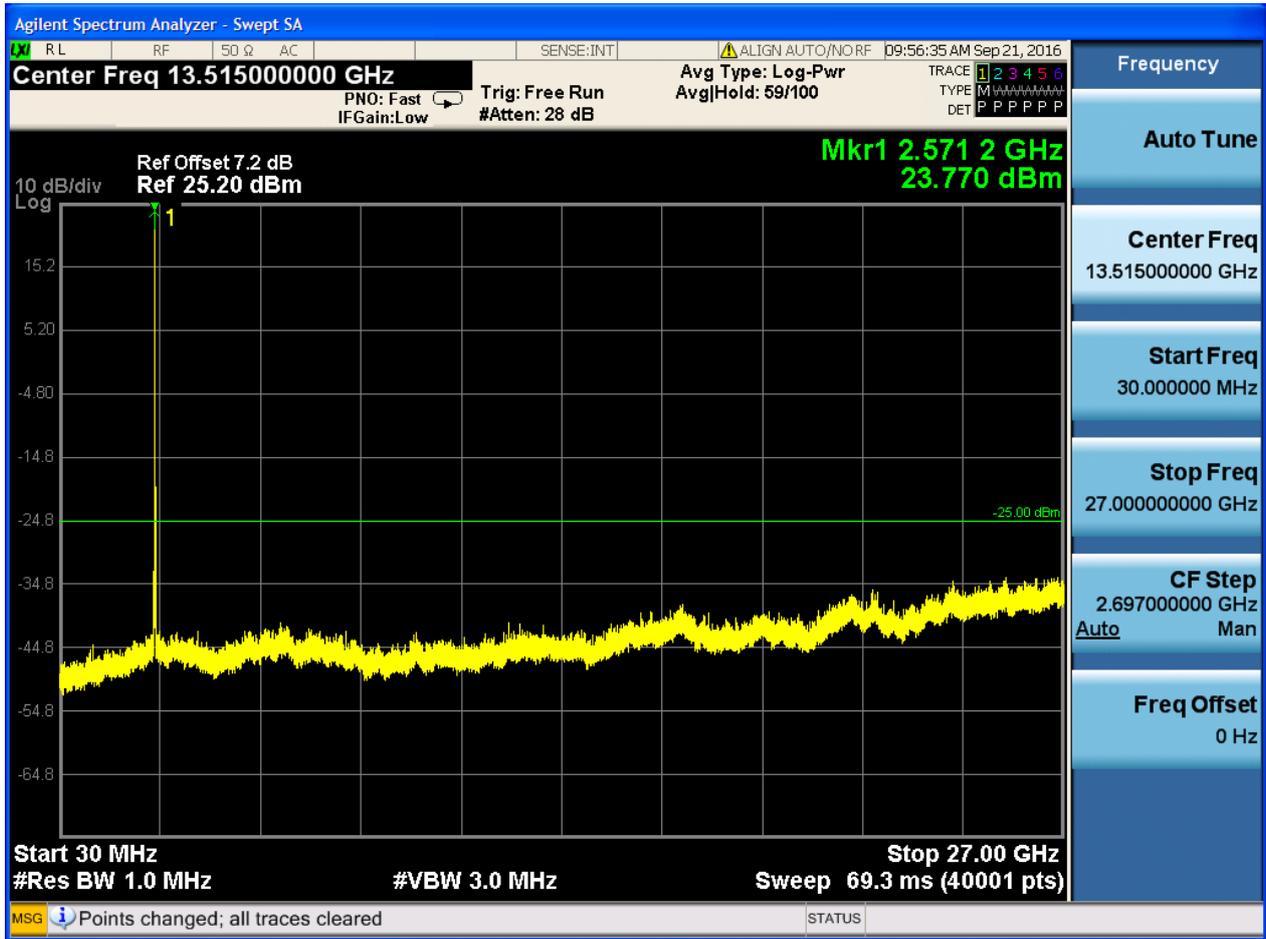








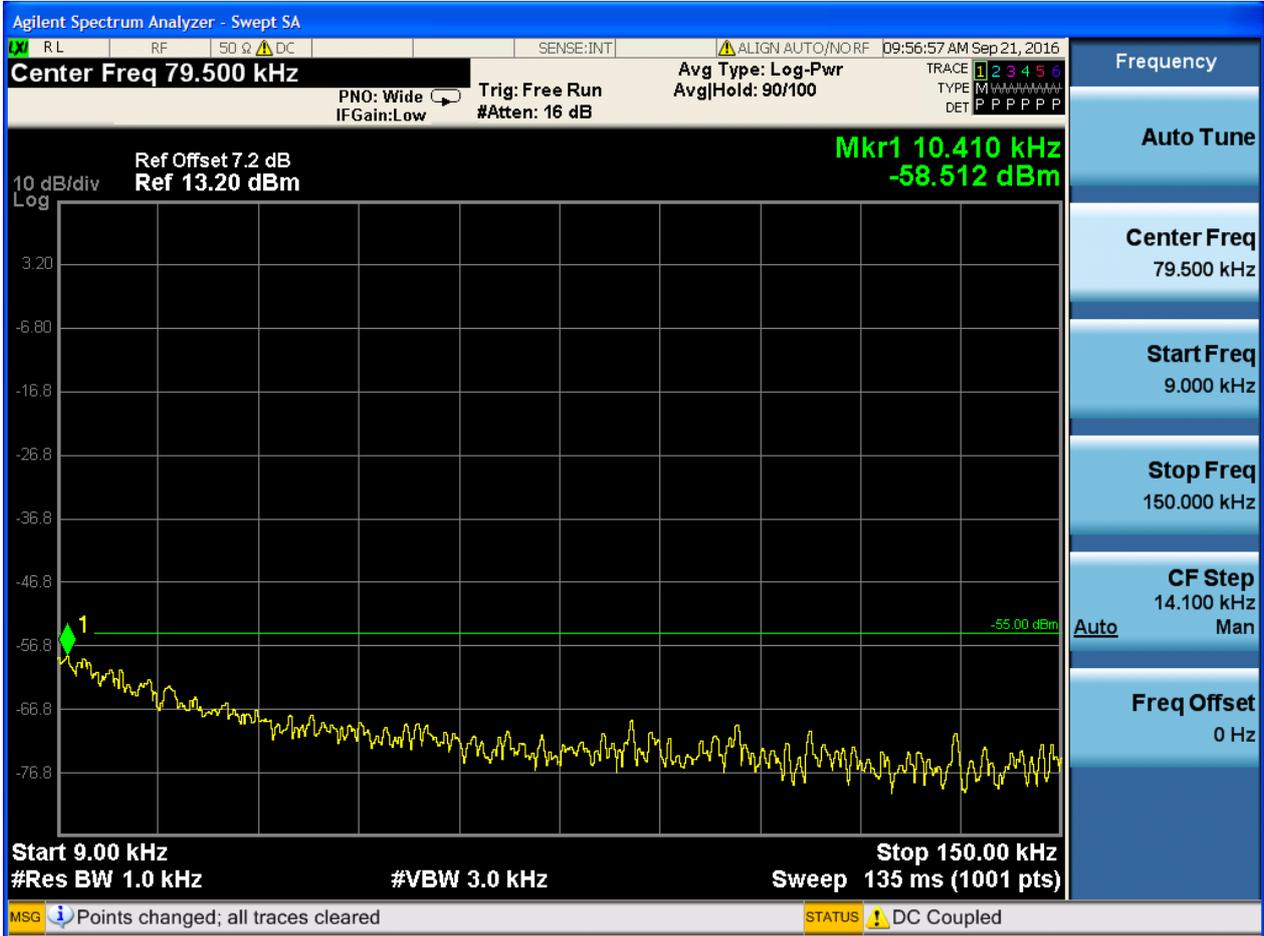


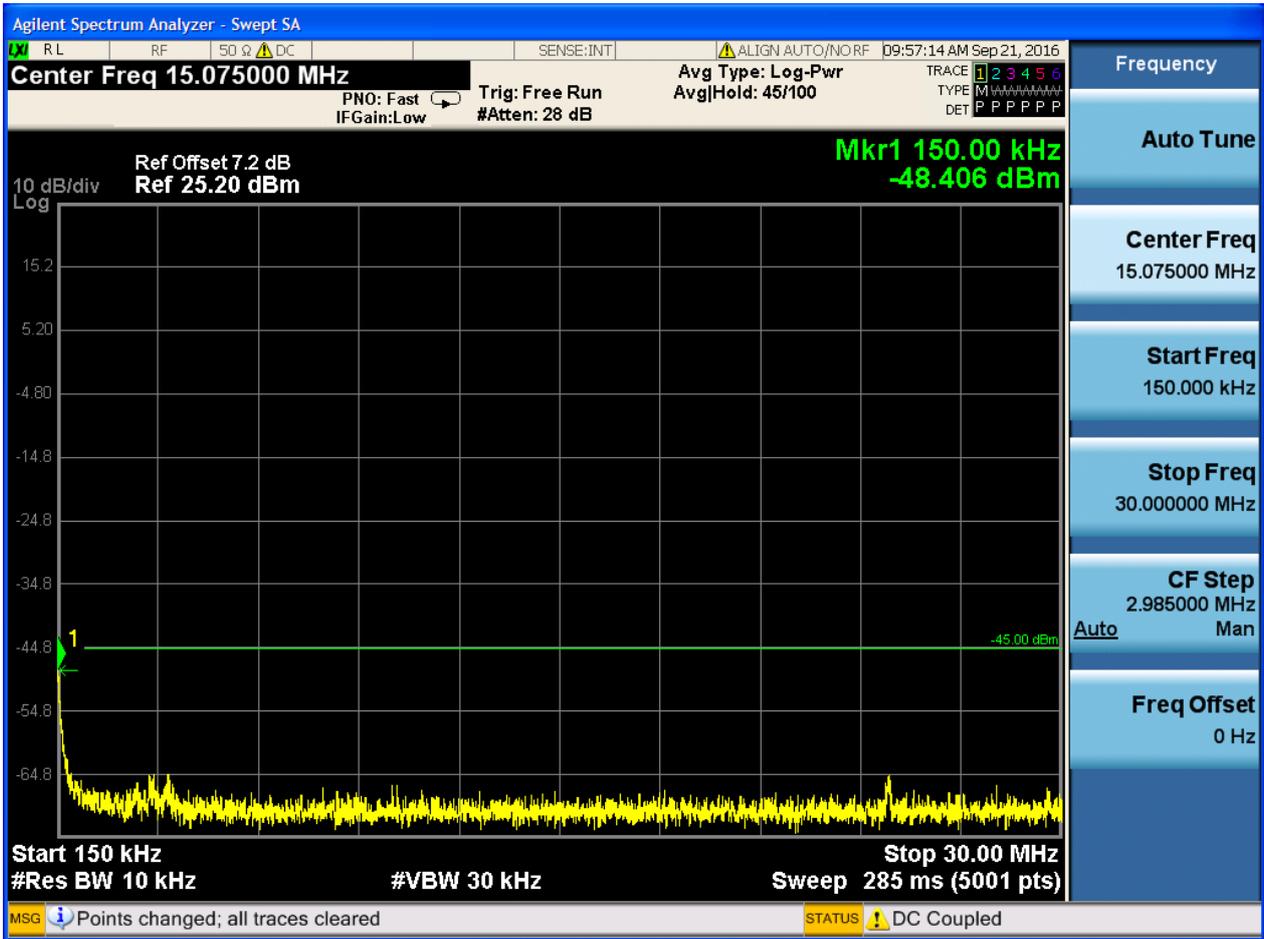


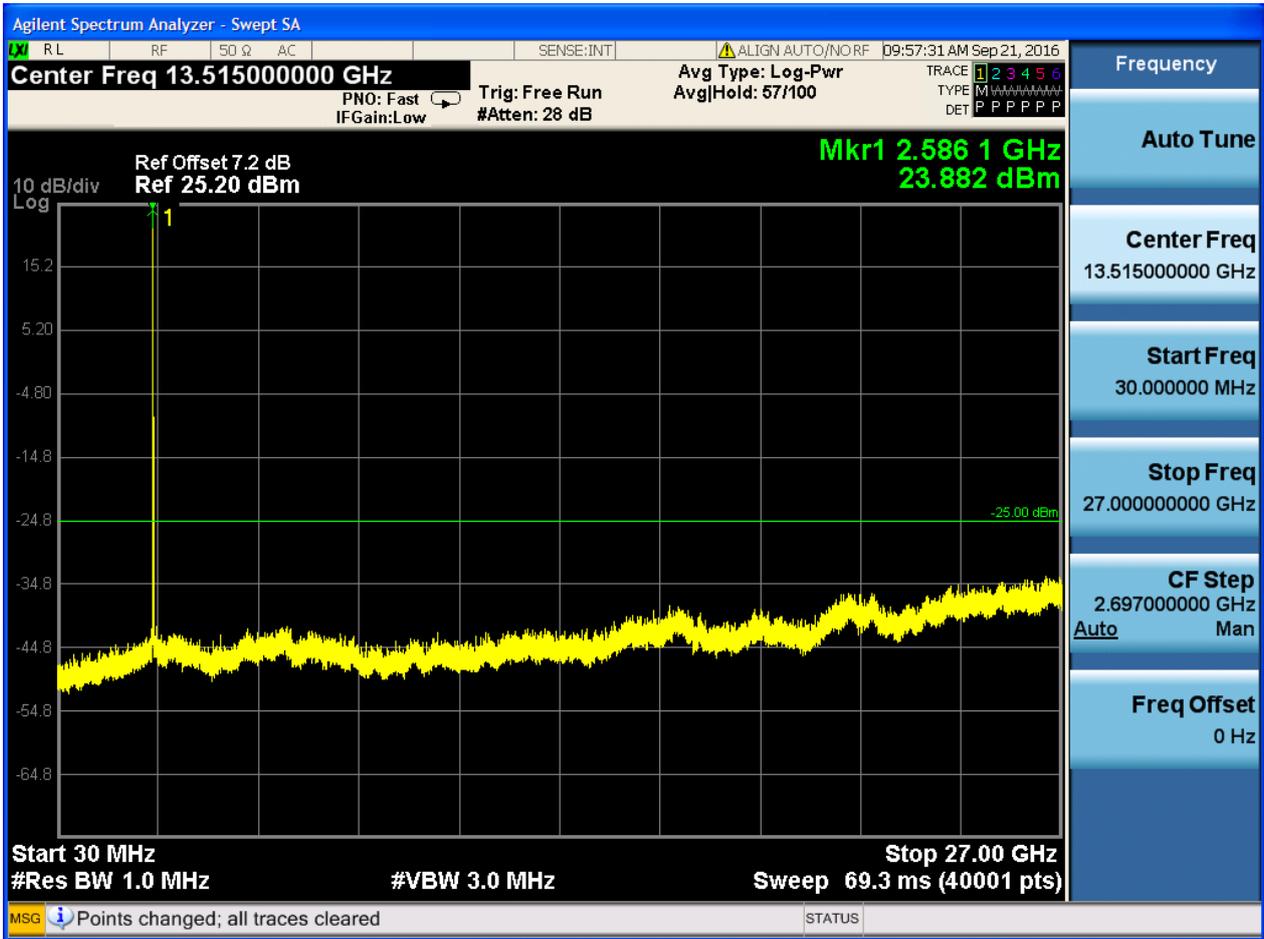


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



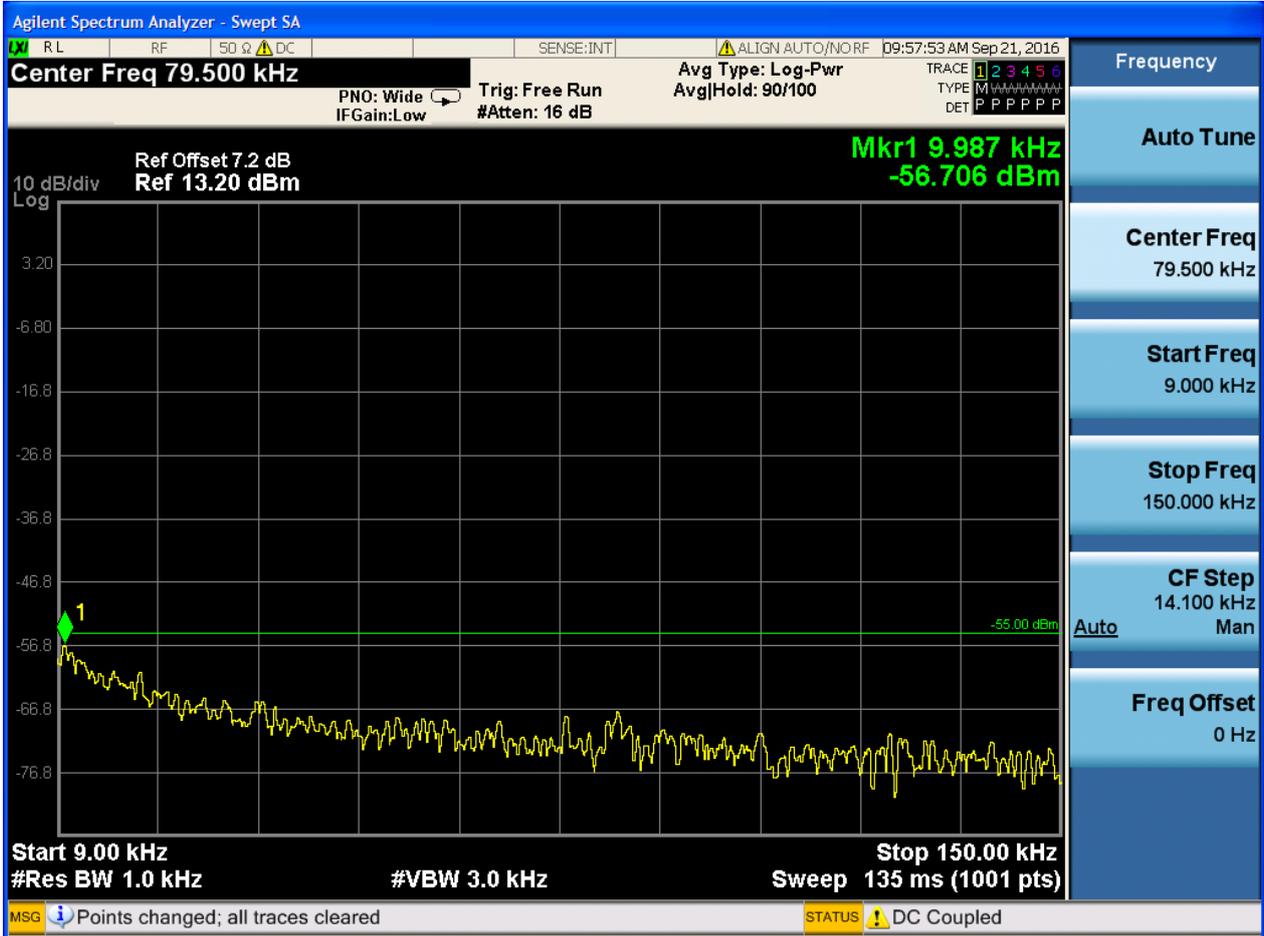




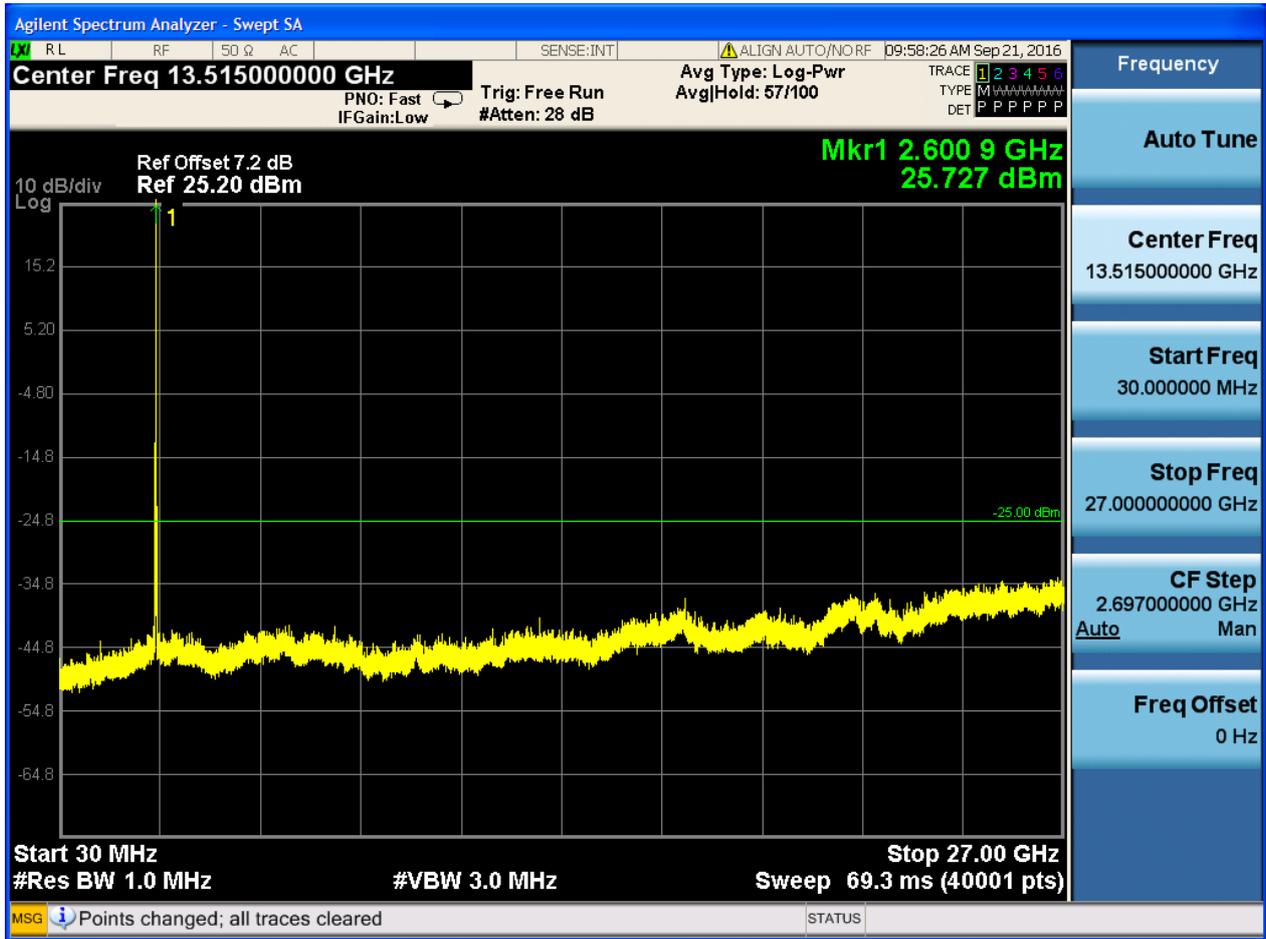


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







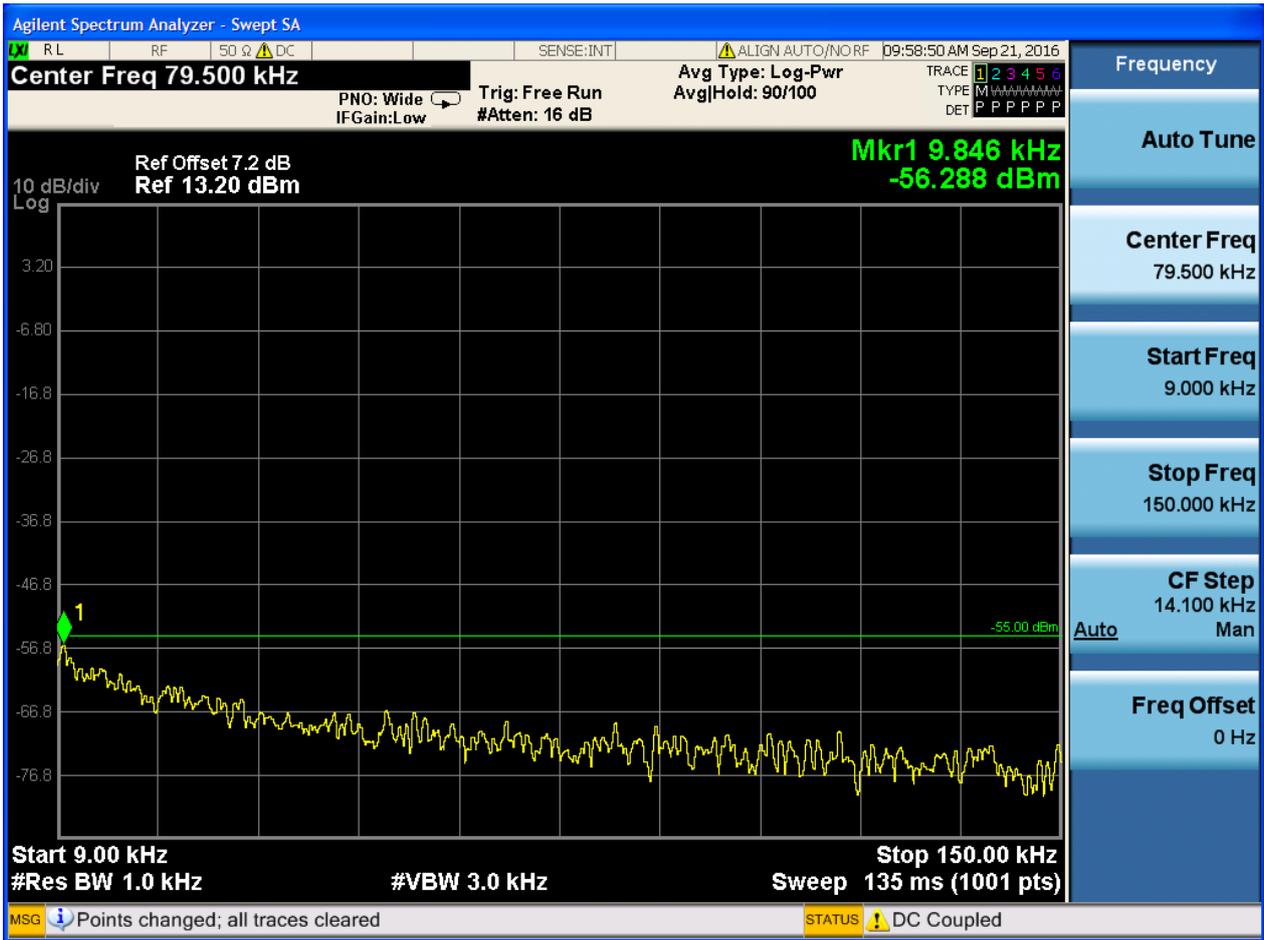


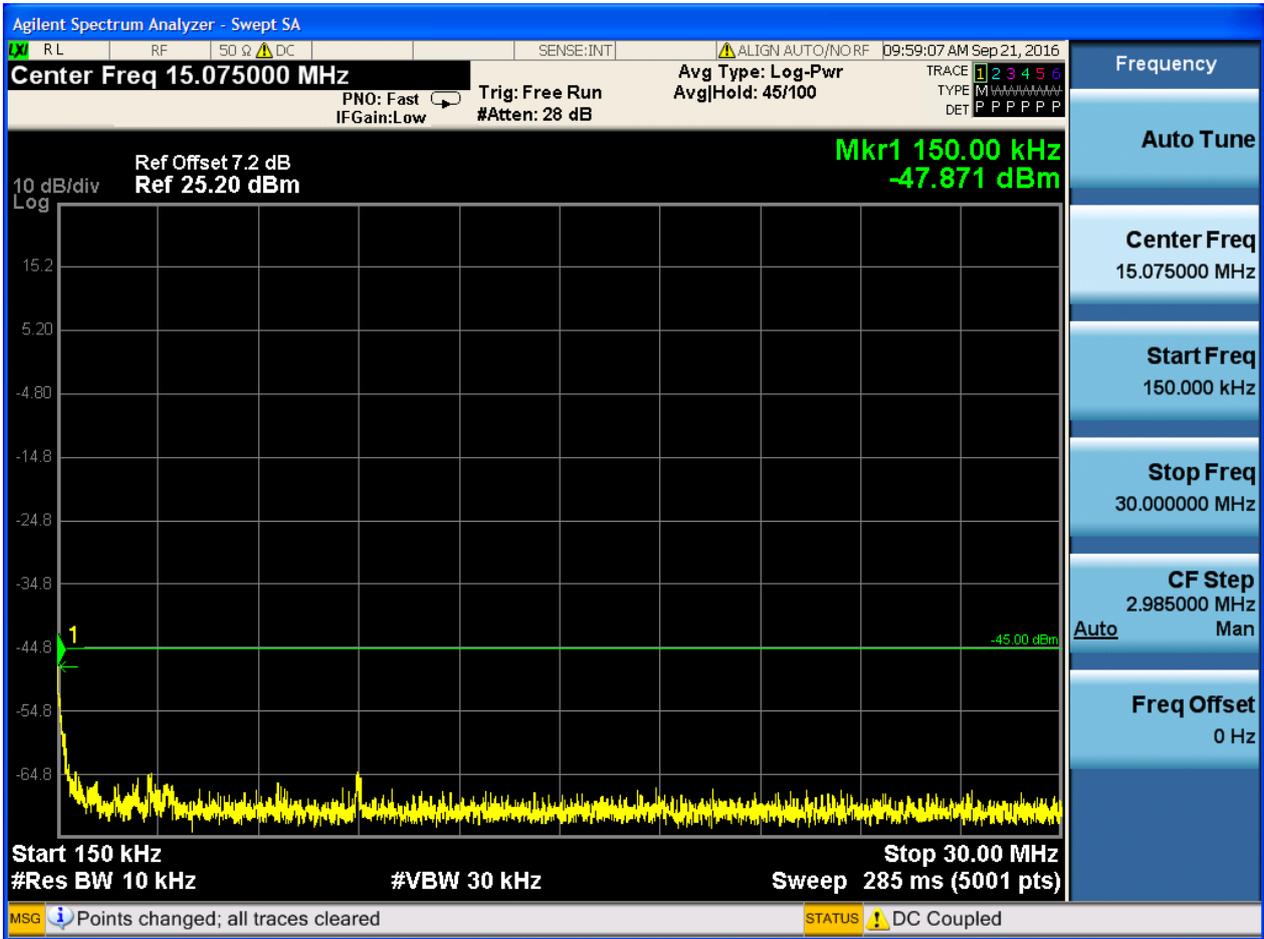
6.1.1.2 Test Mode = LTE/TM2

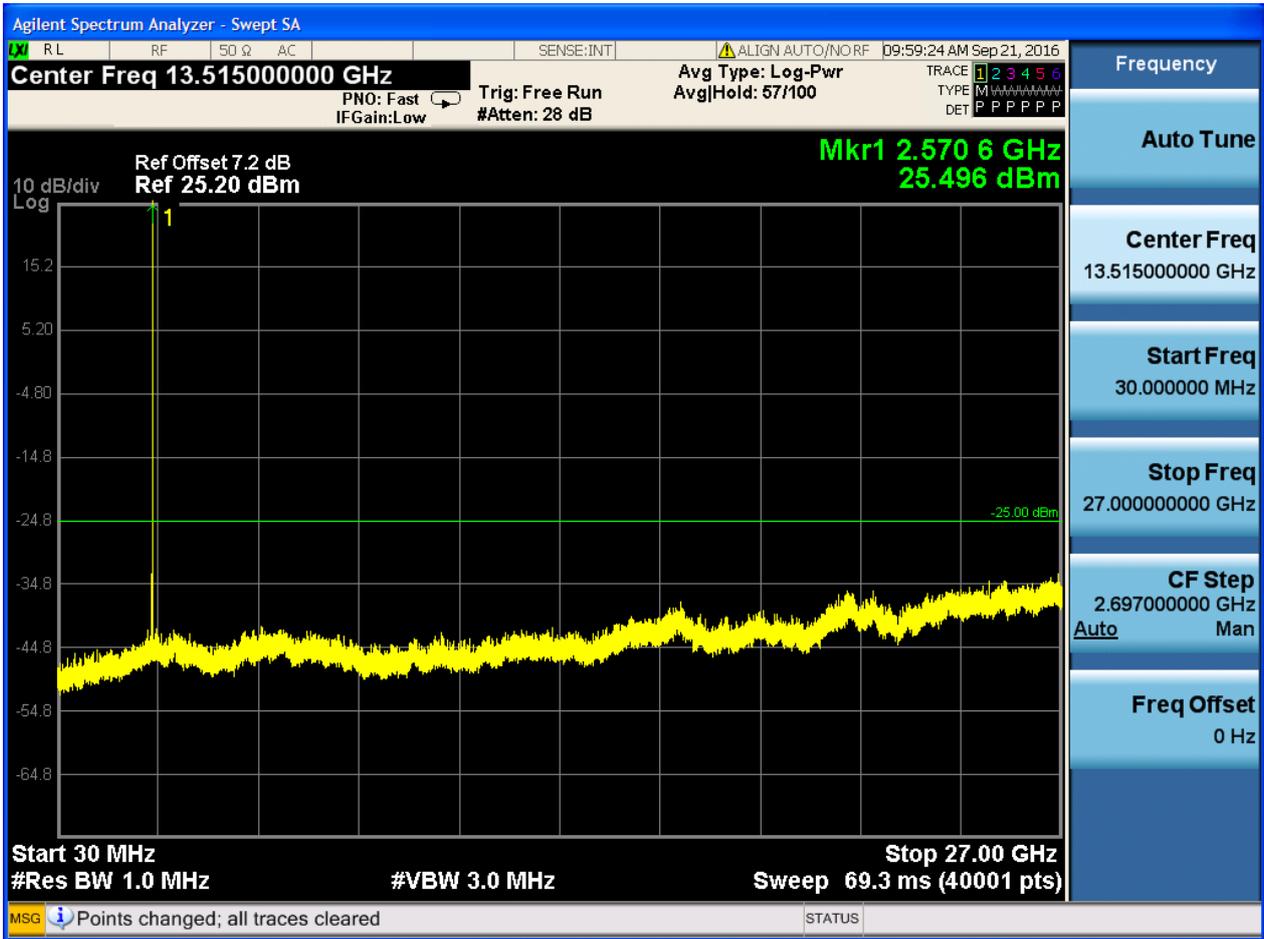
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



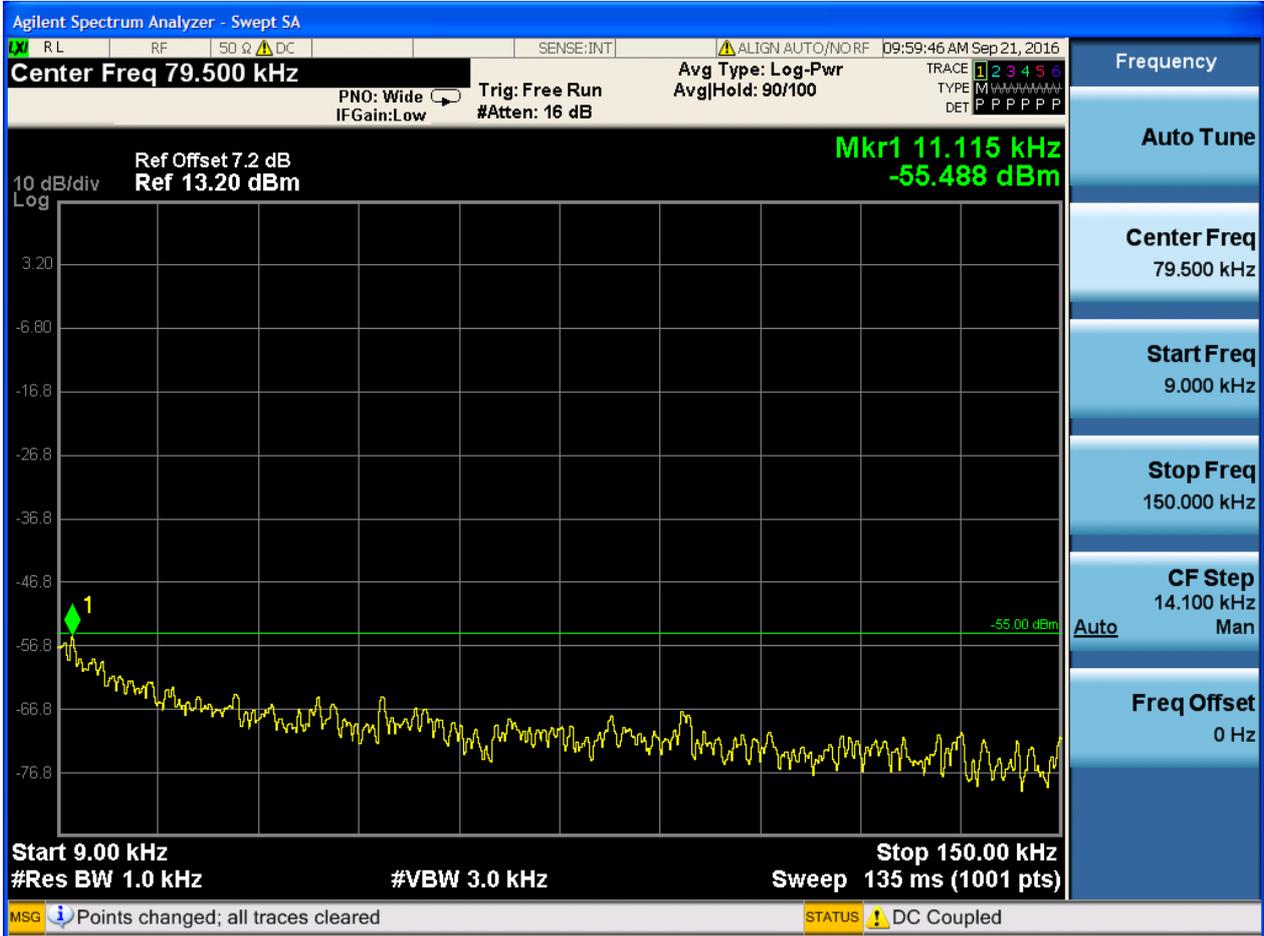


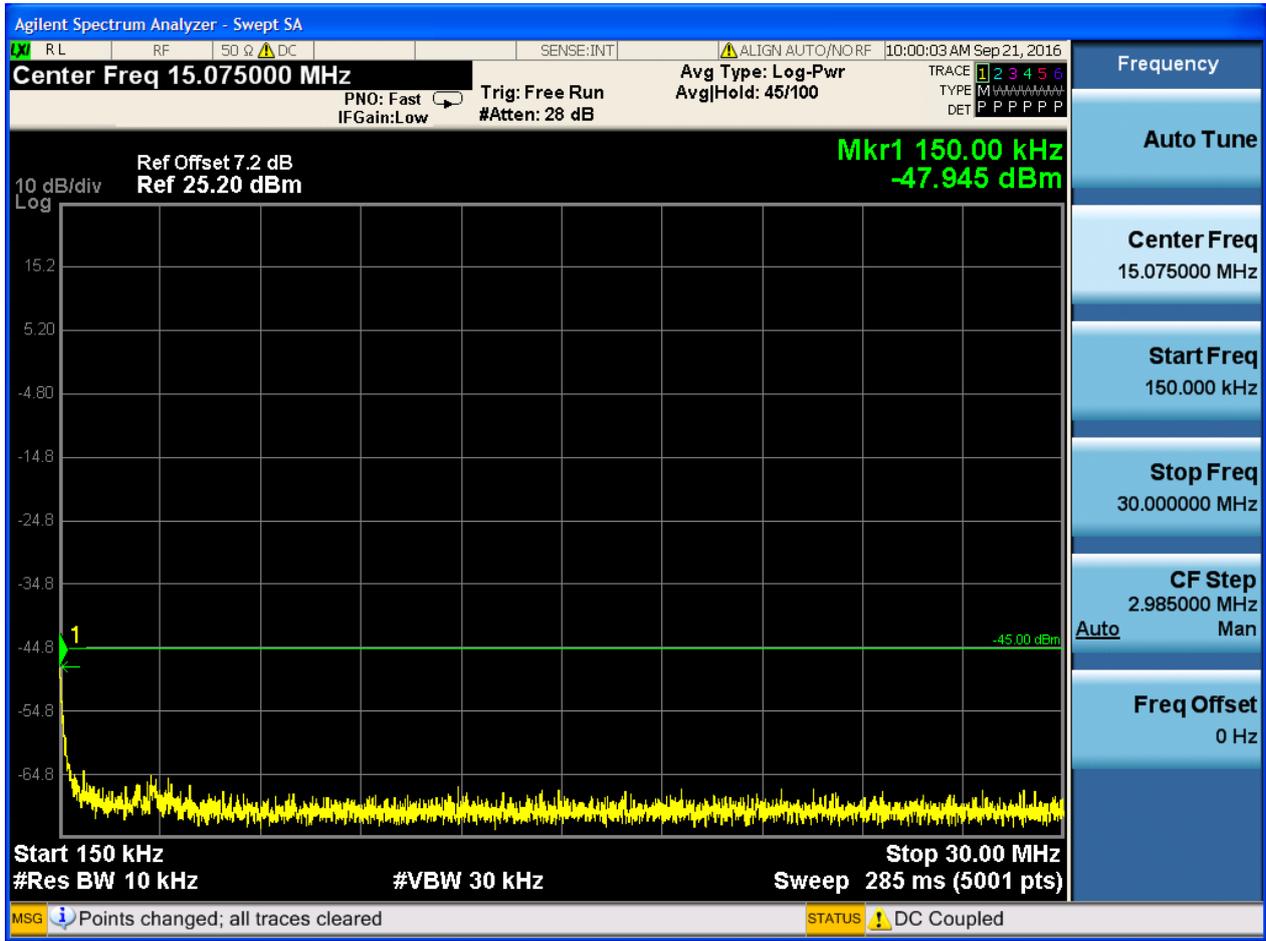


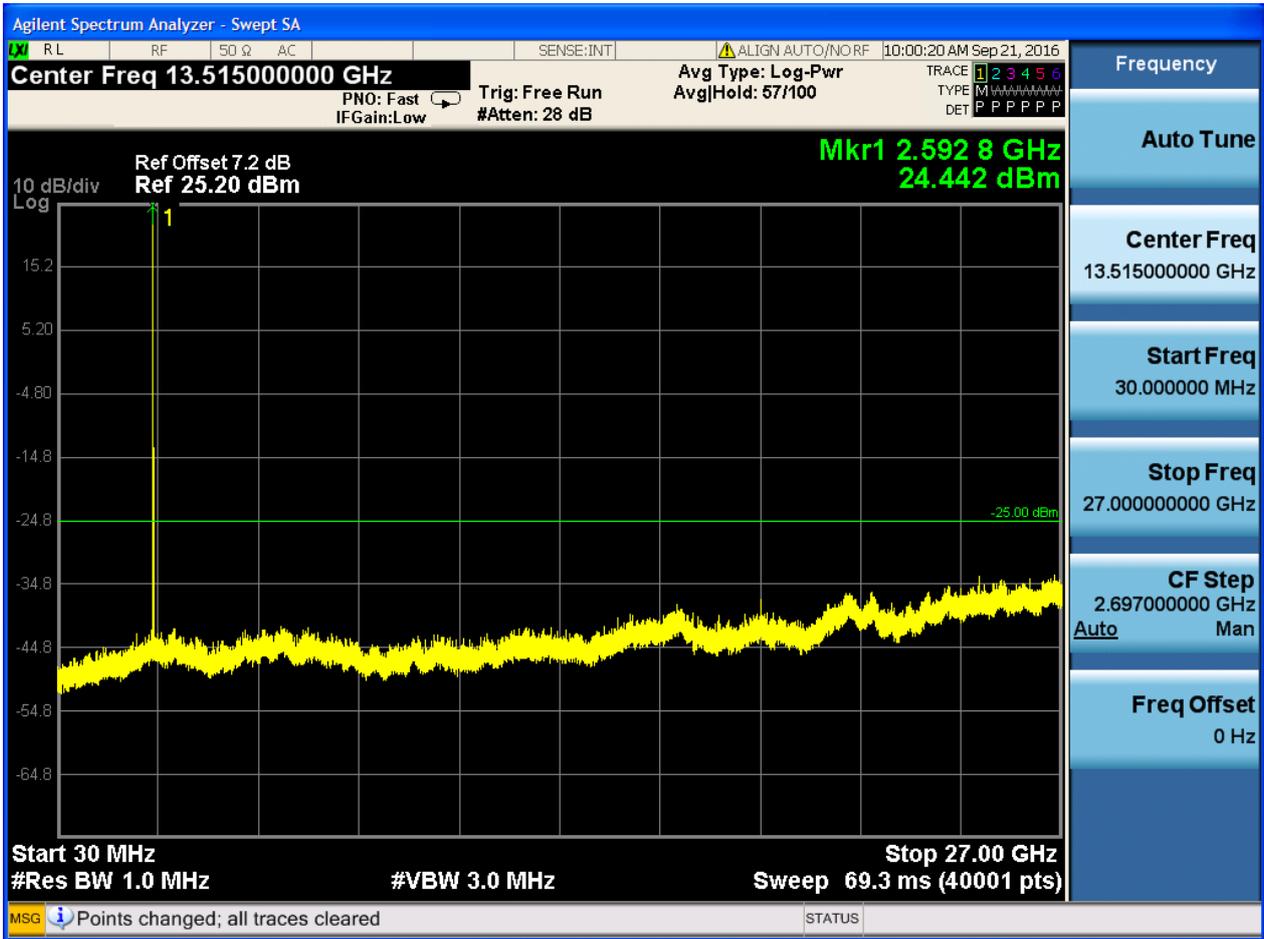


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



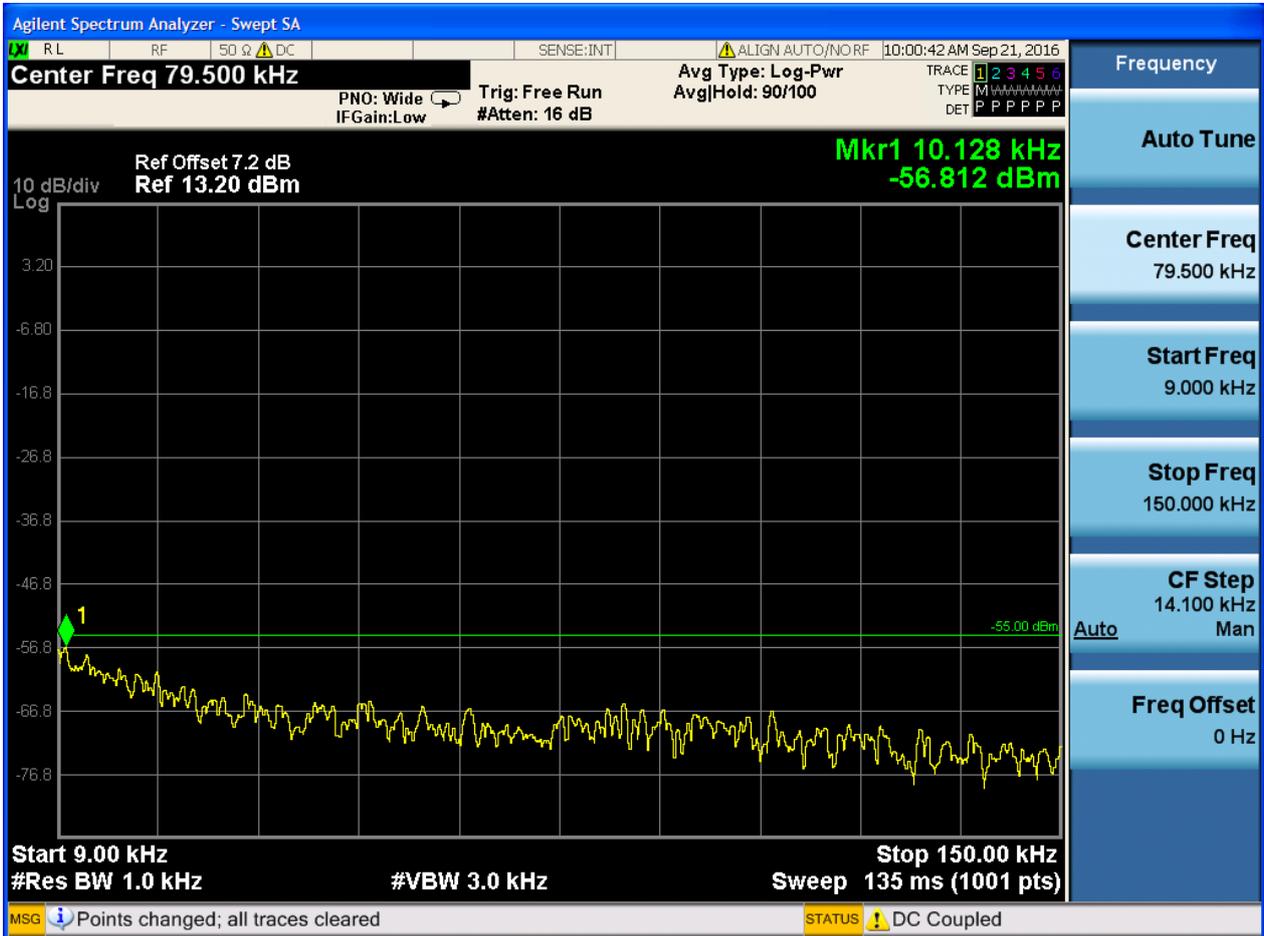




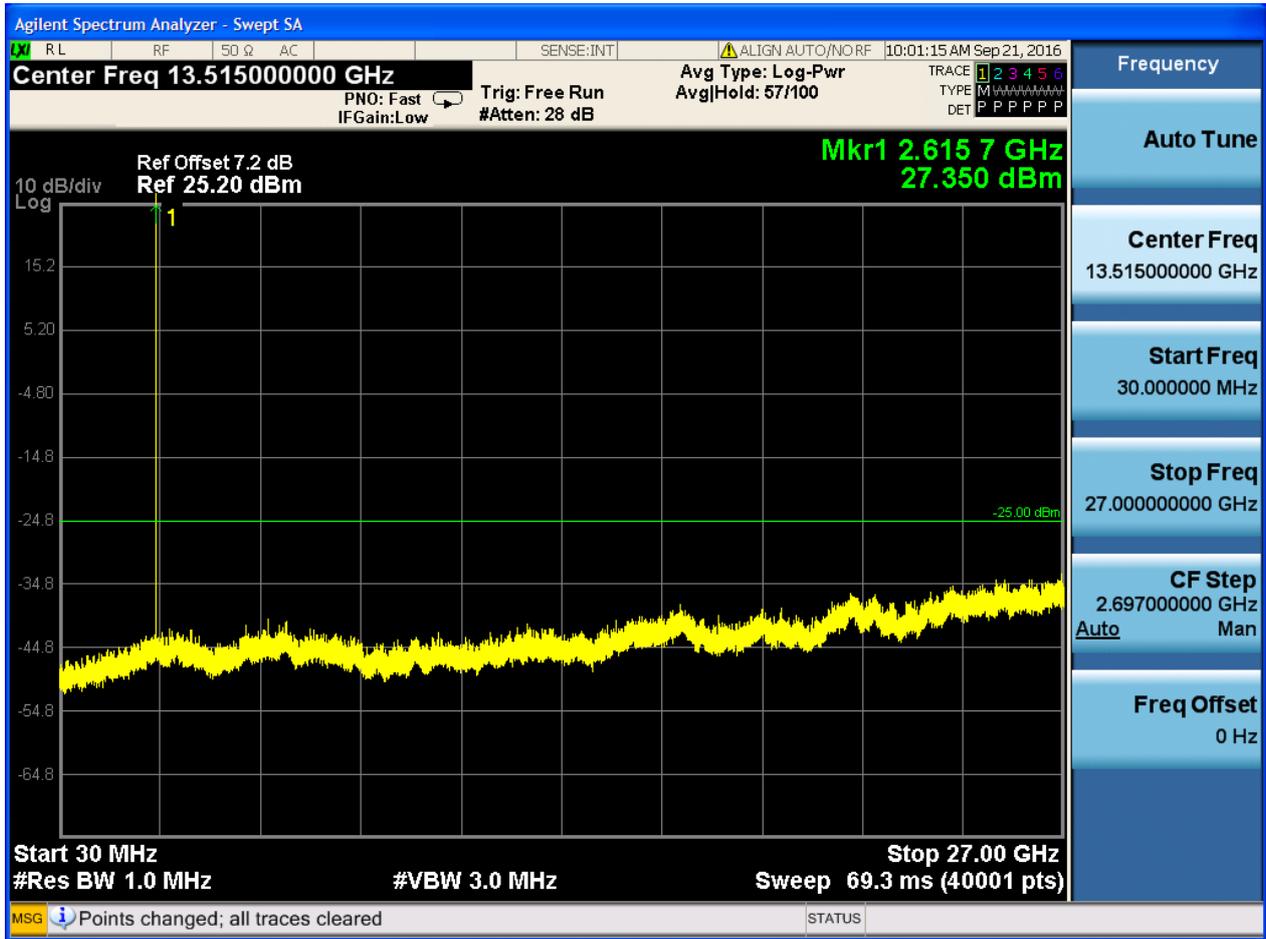


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







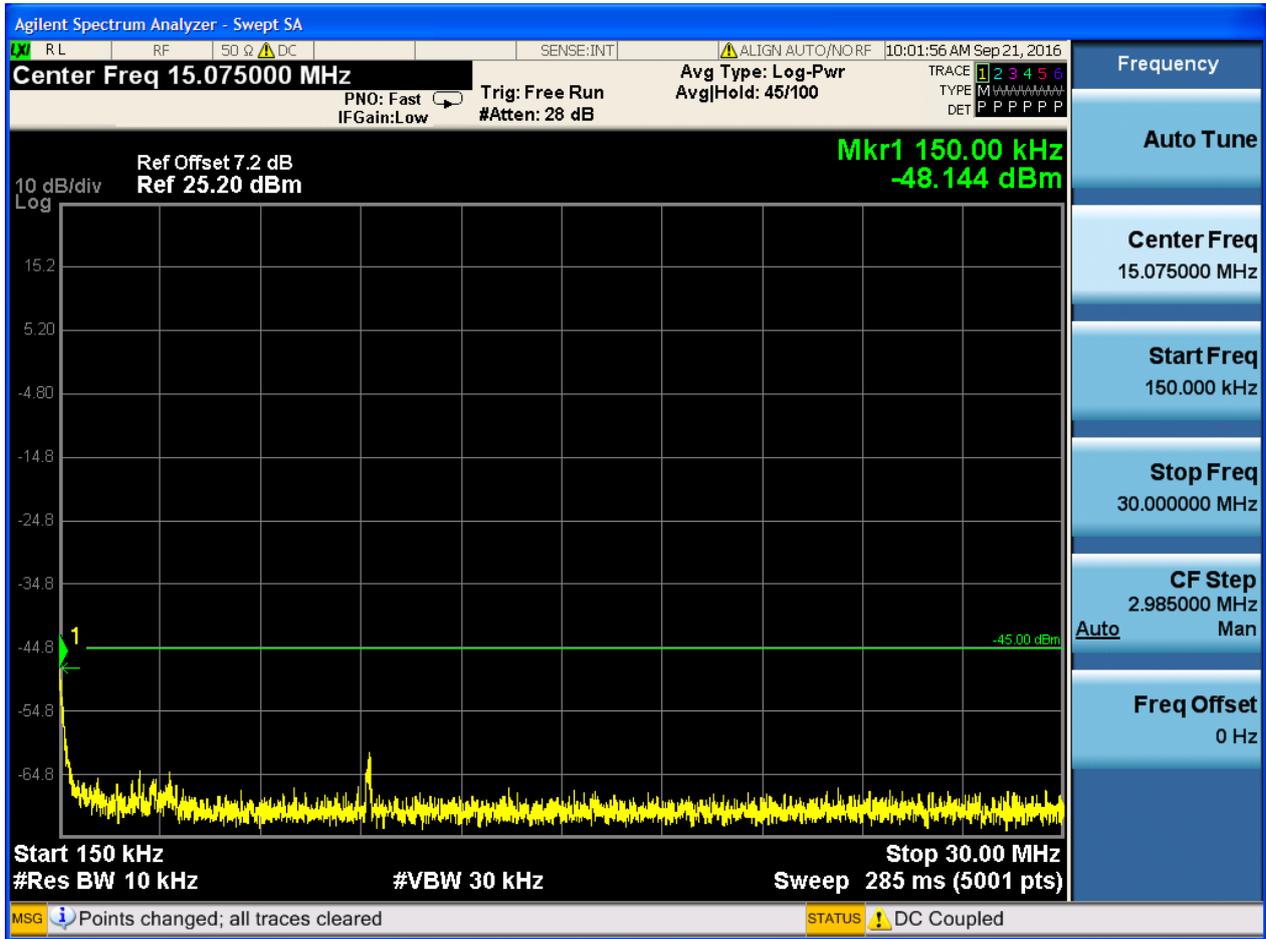


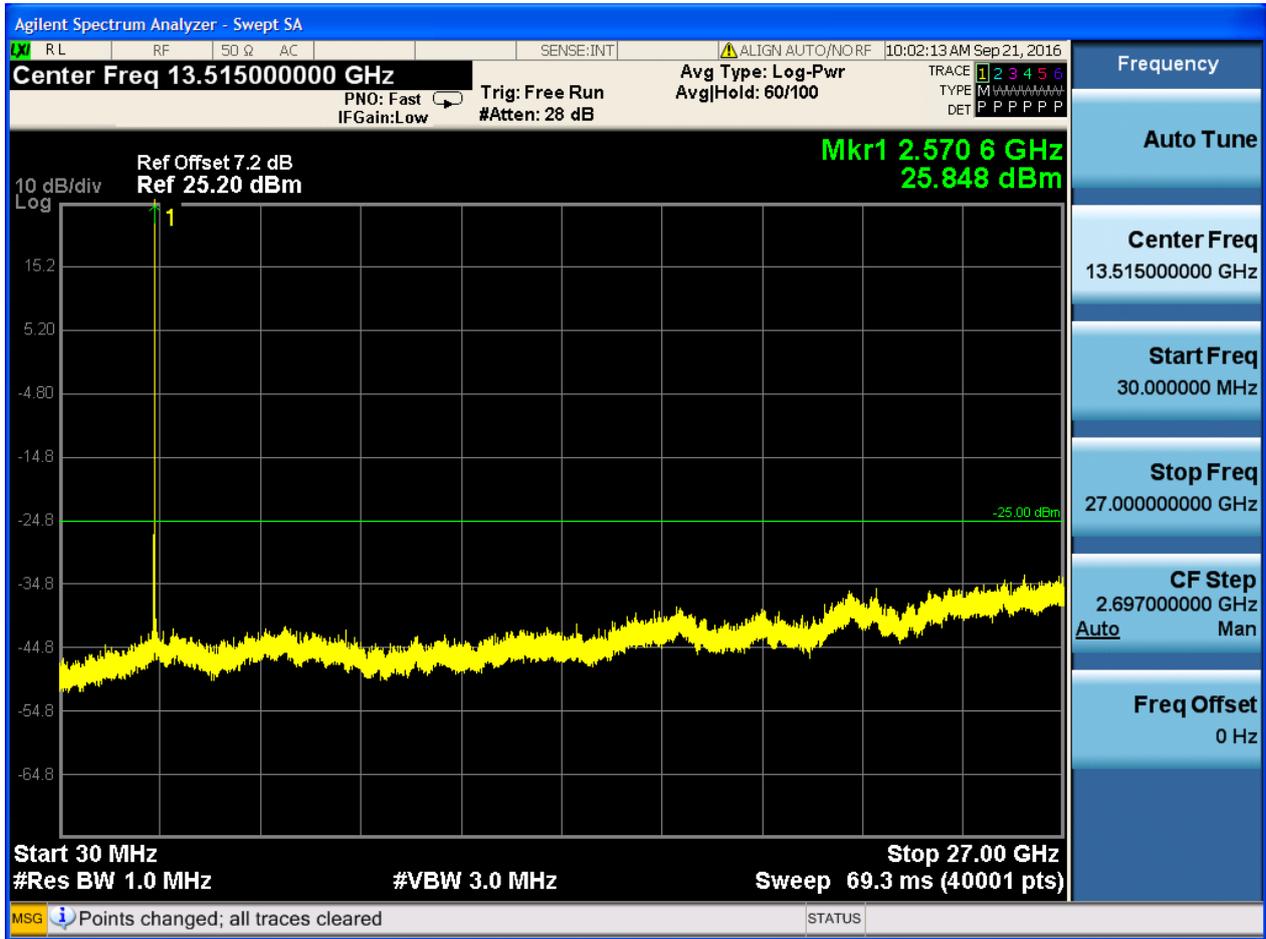
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



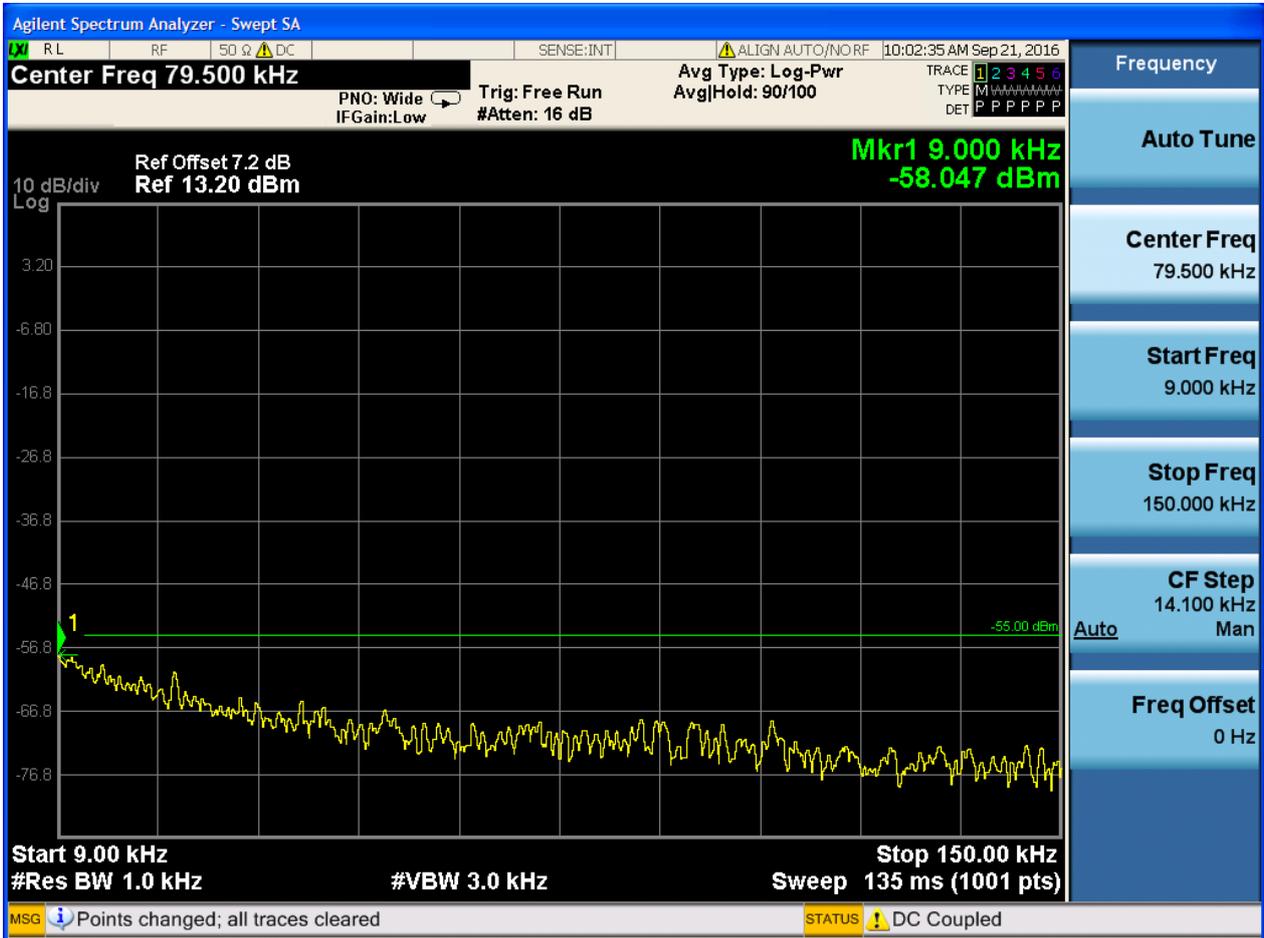


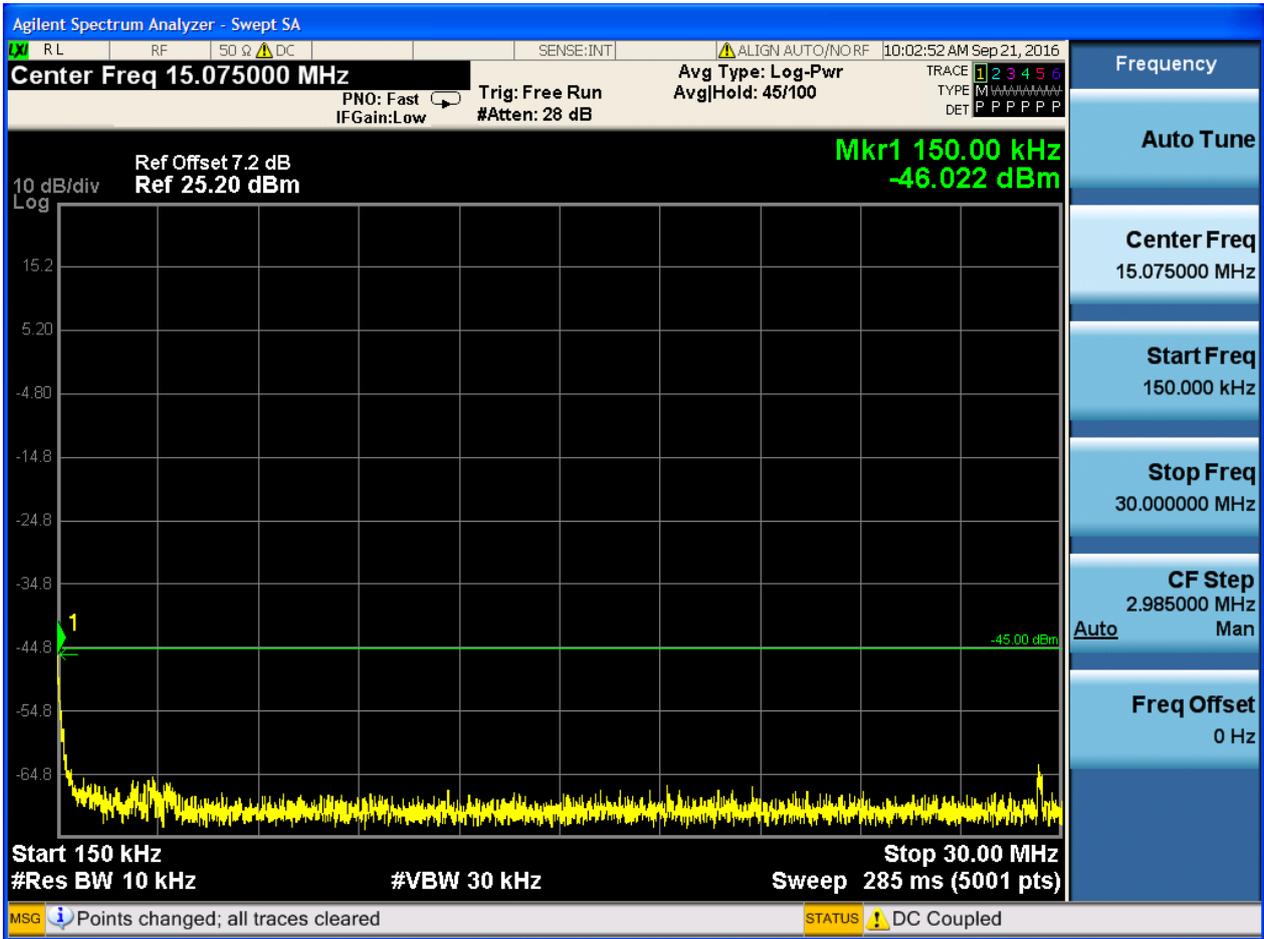


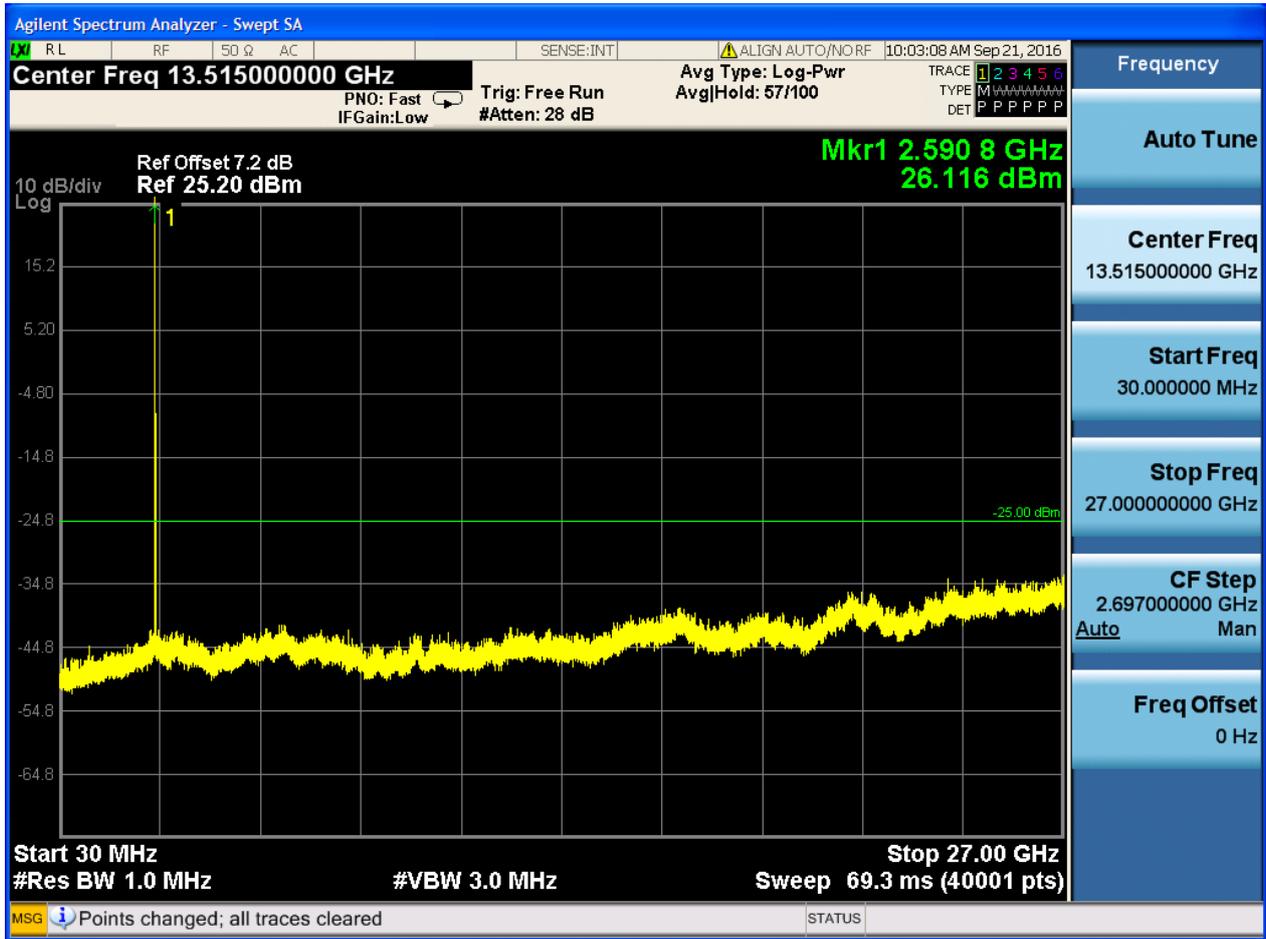


6.1.1.2.2 Test Channel = MCH

6.1.1.2.2.1 Test RB = RB1#0



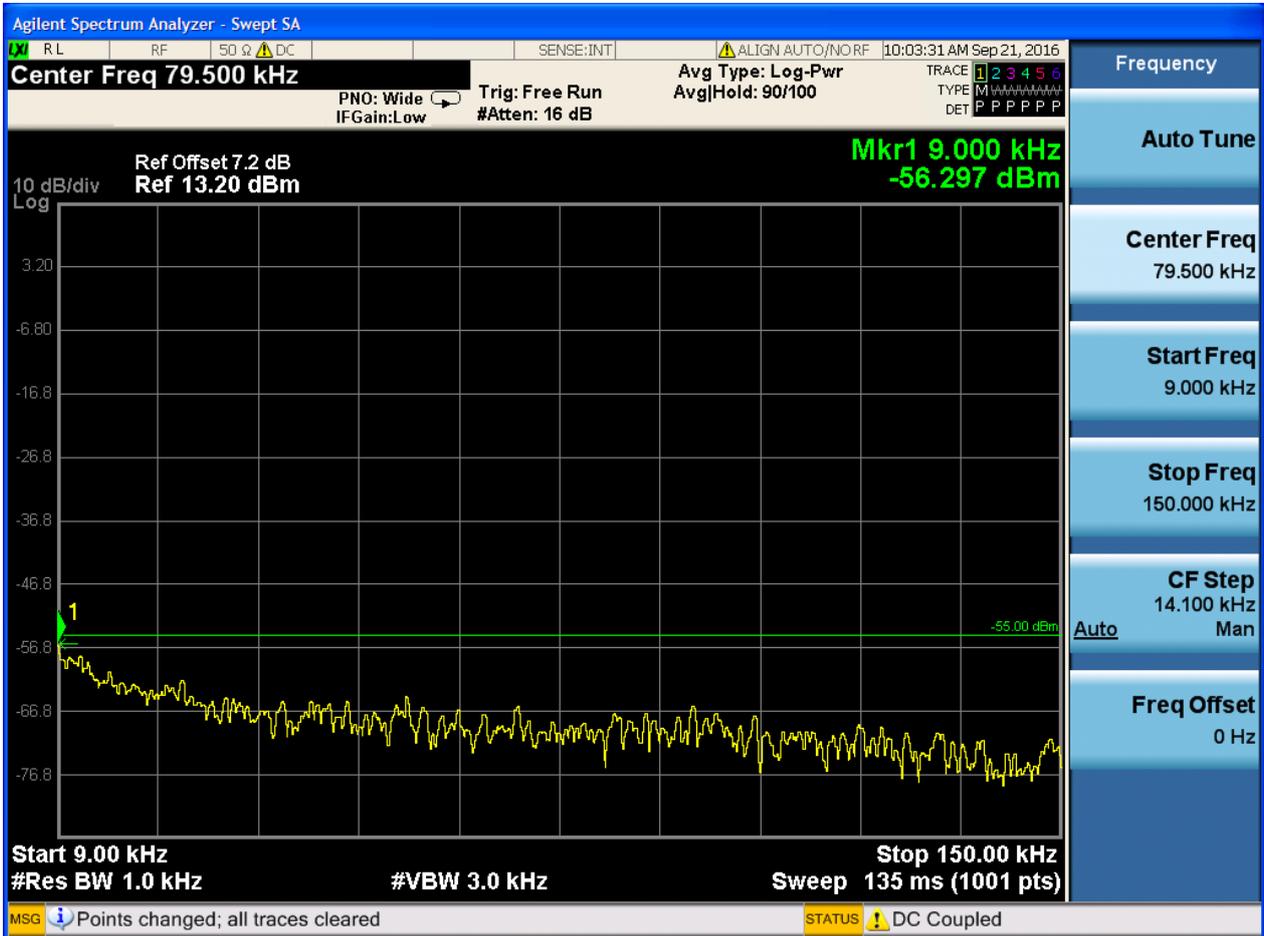


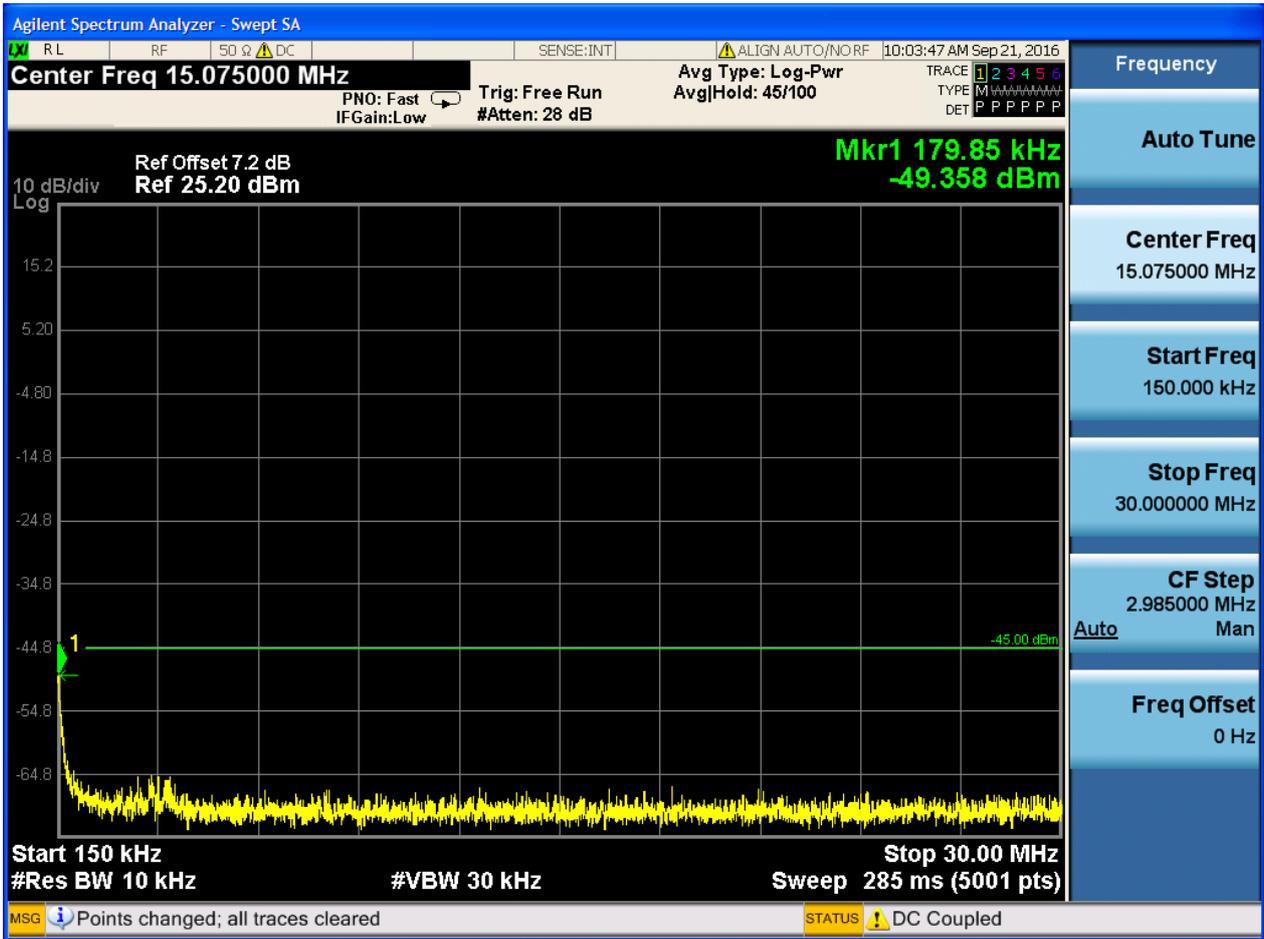


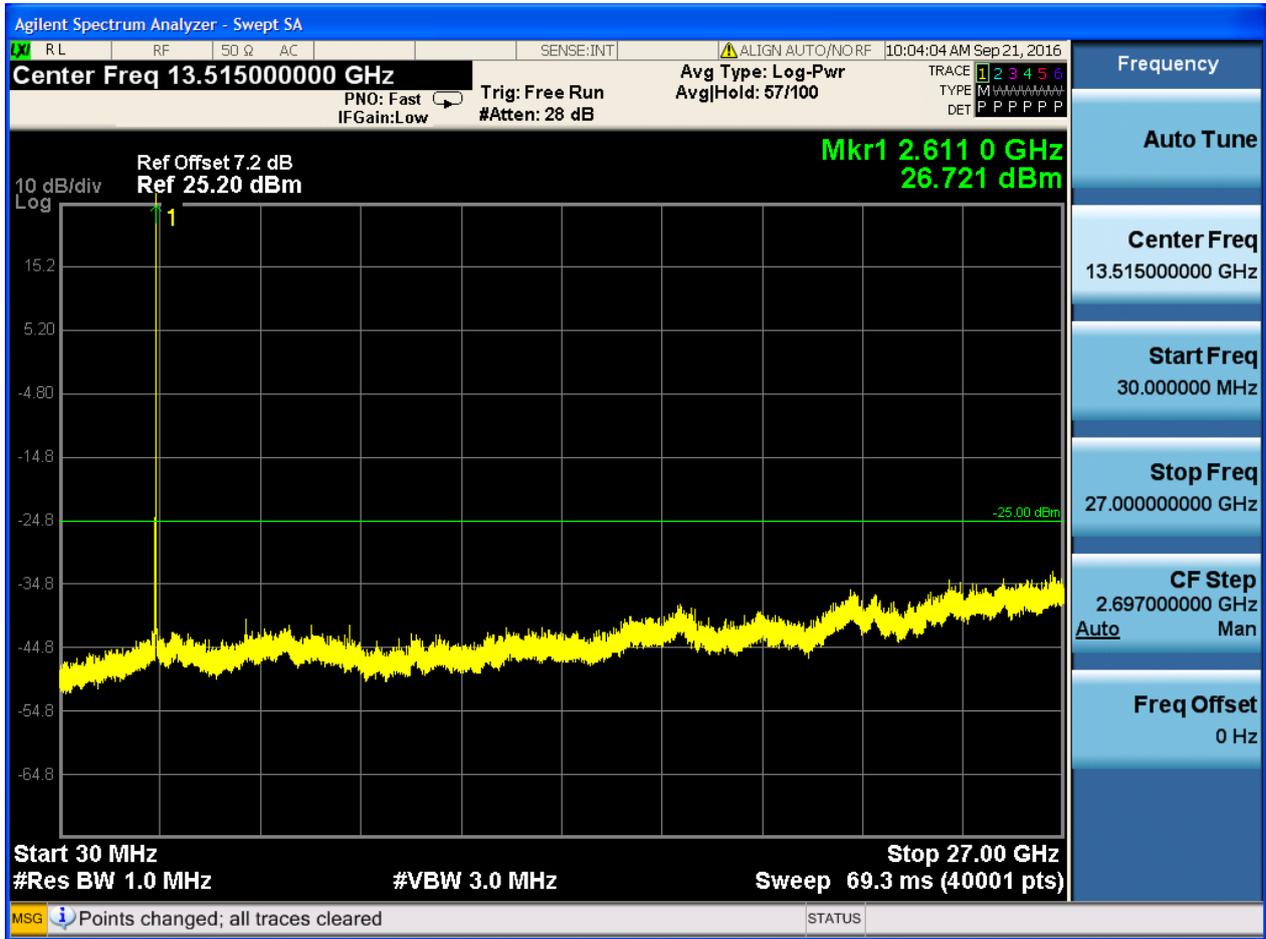


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





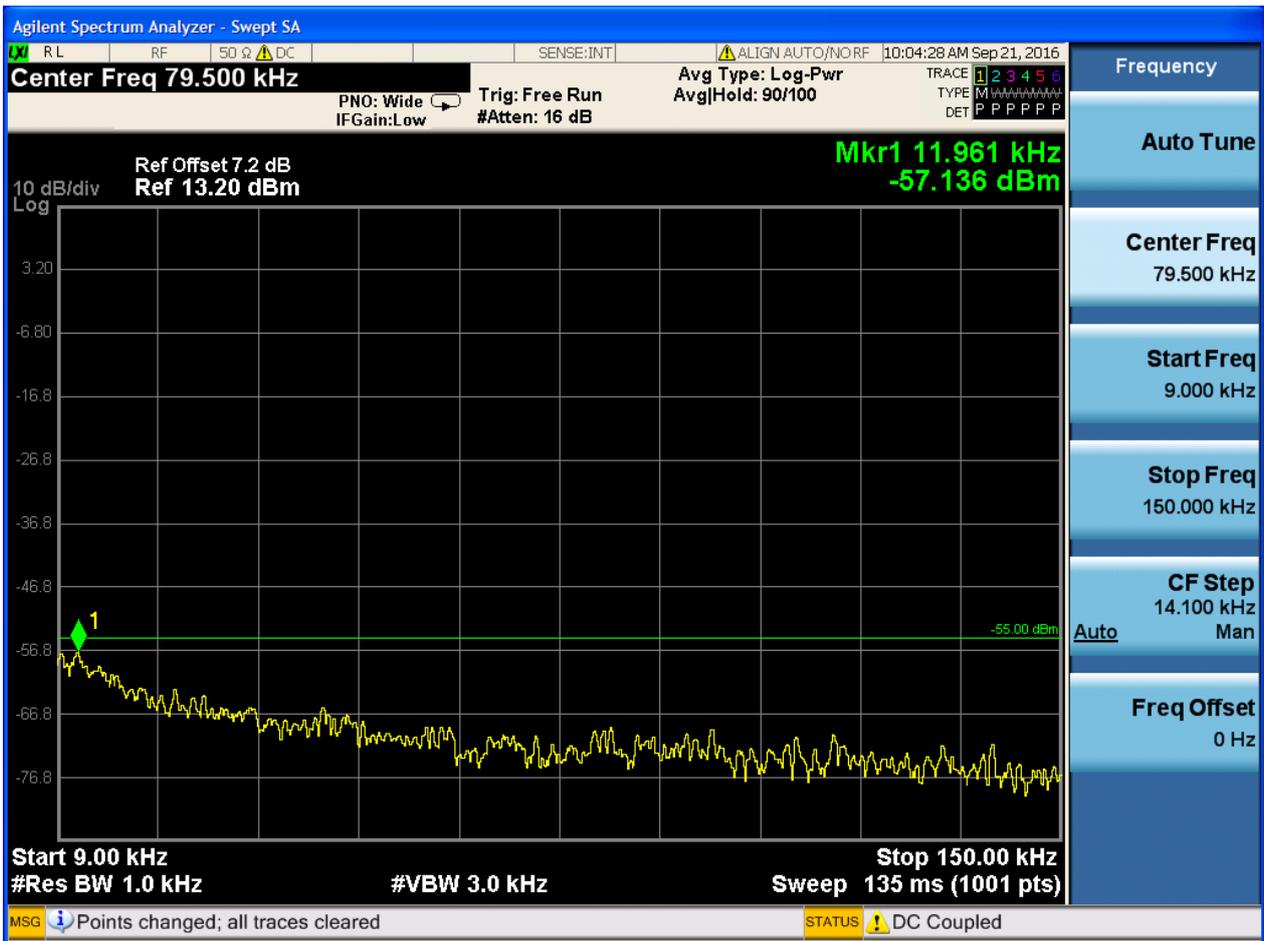


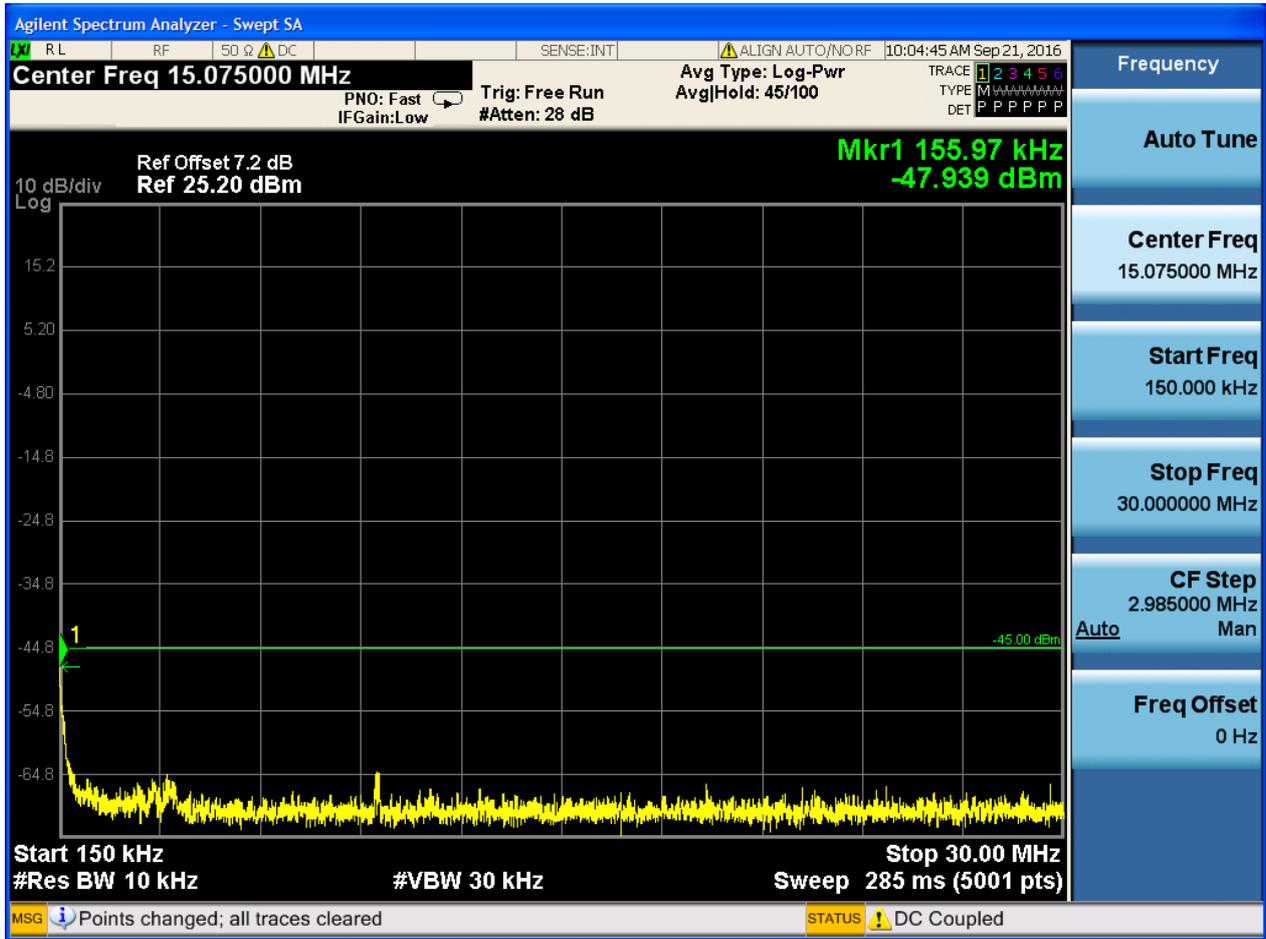


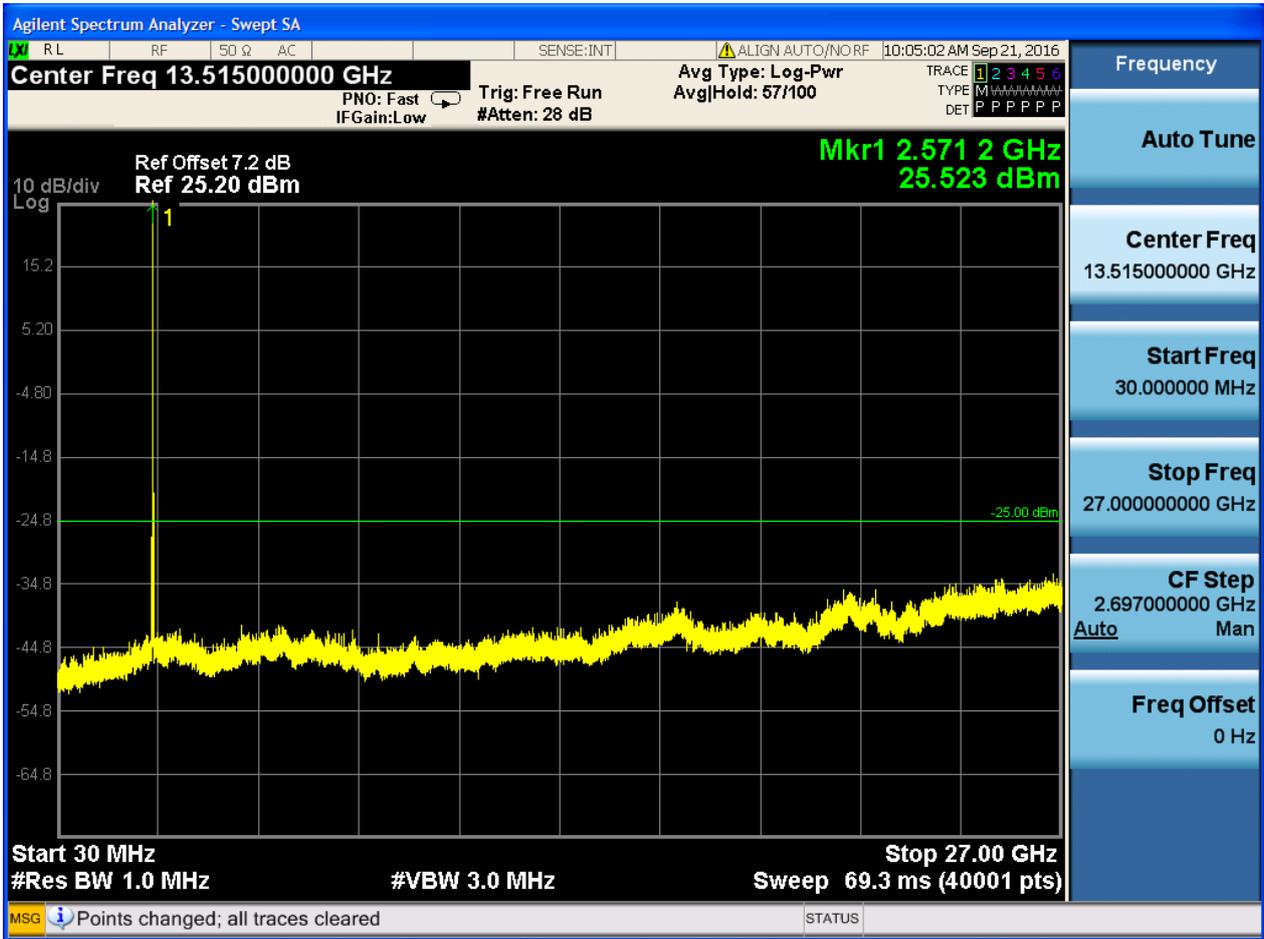
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



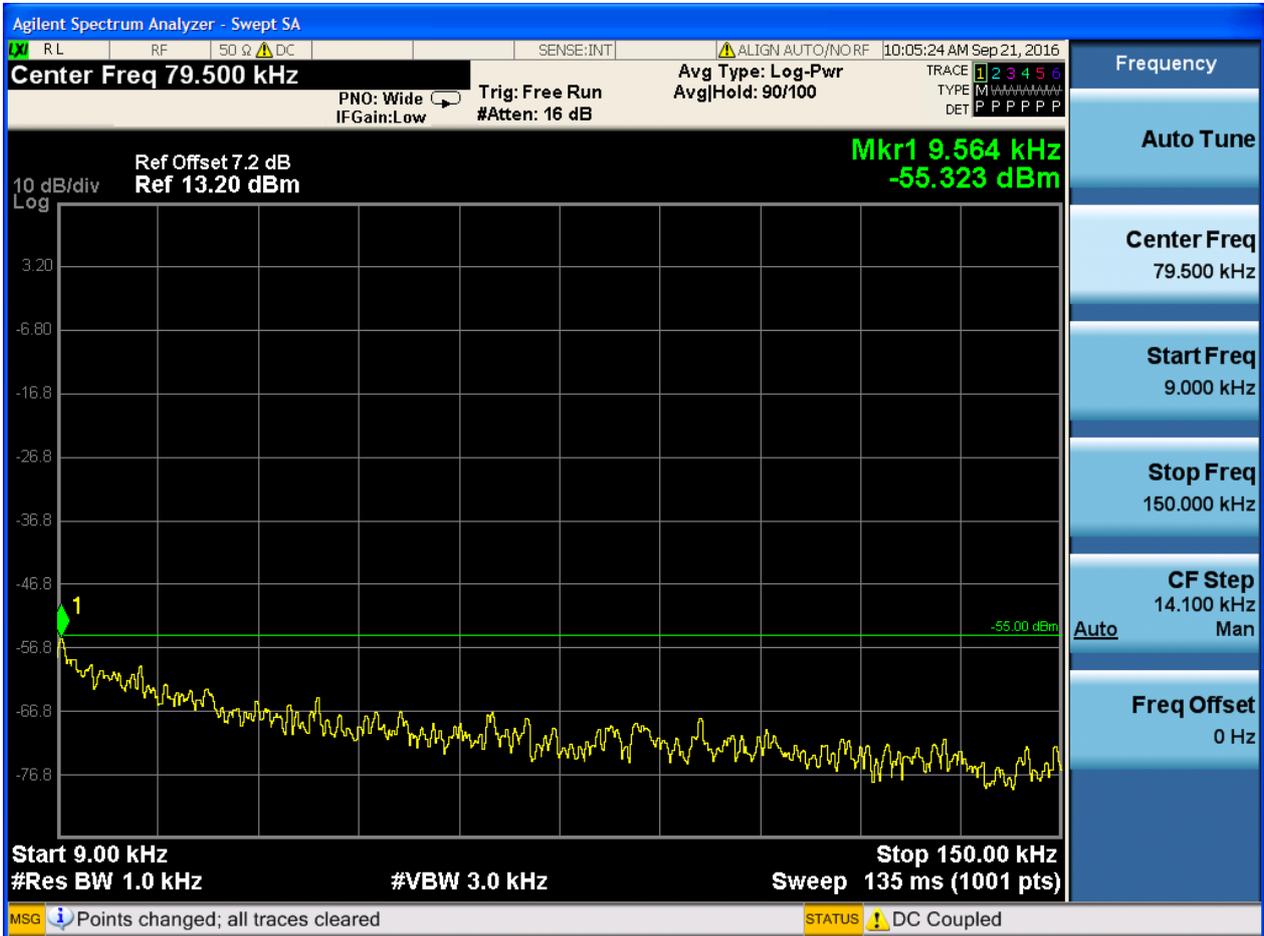




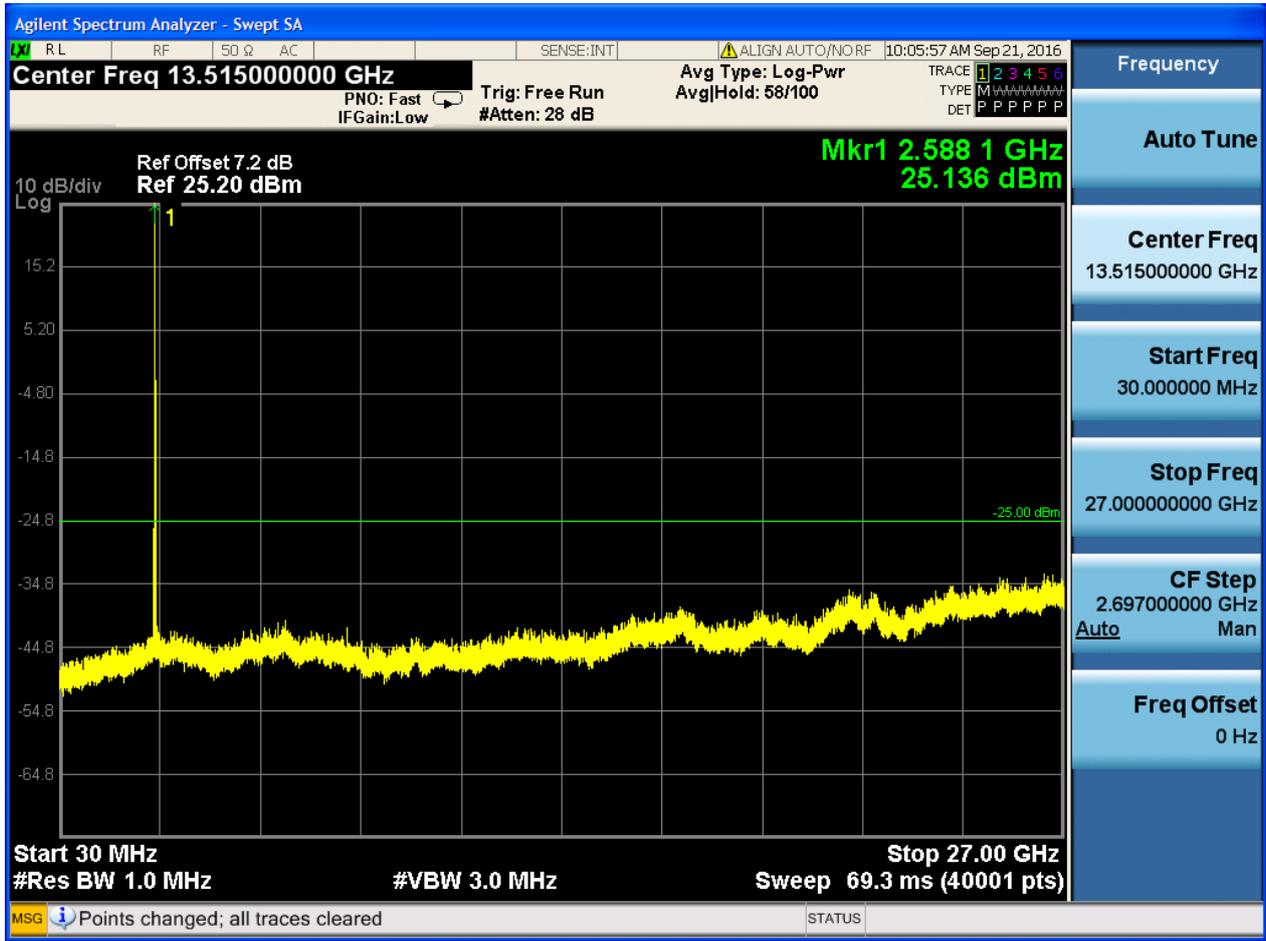


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



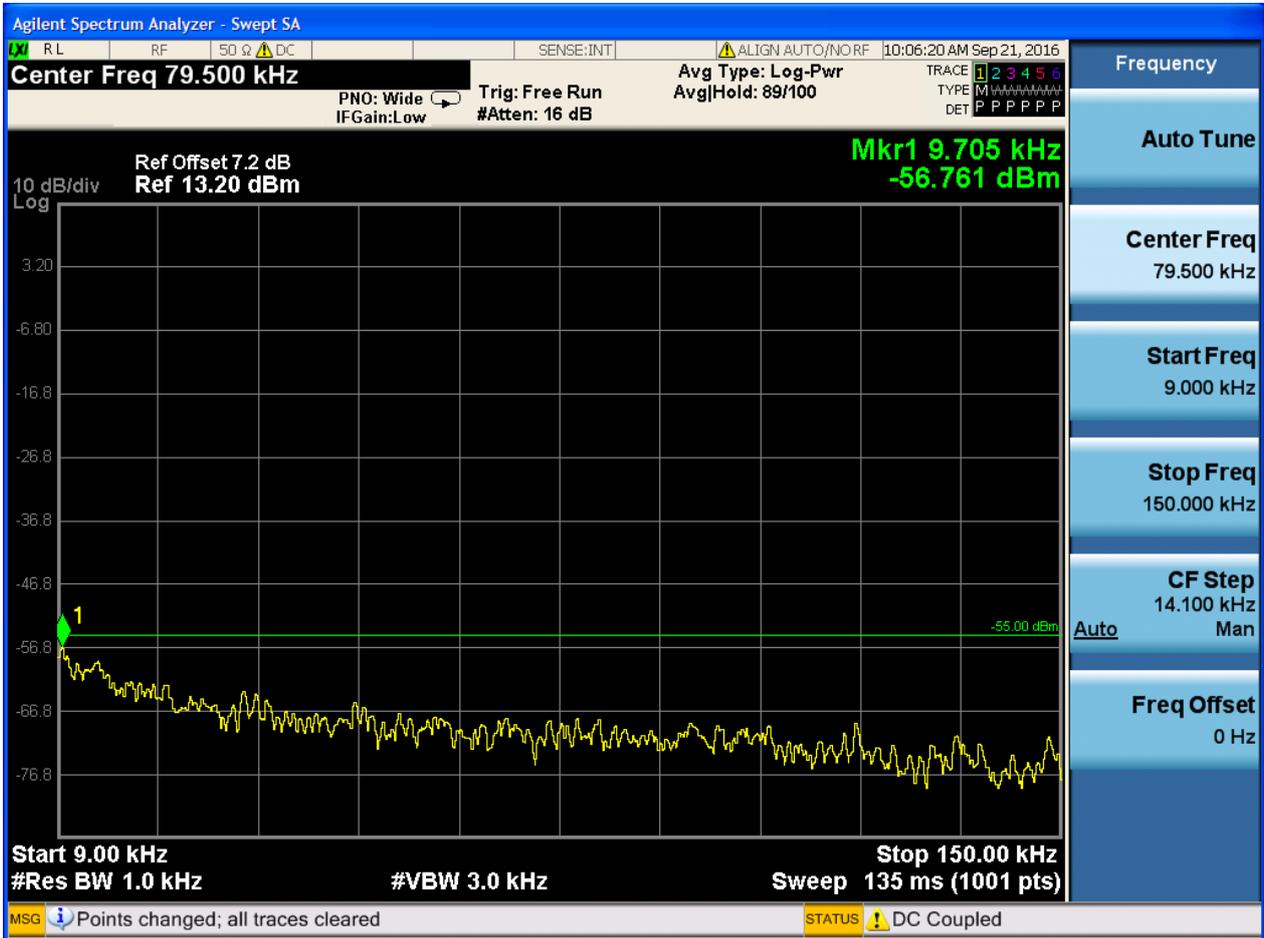


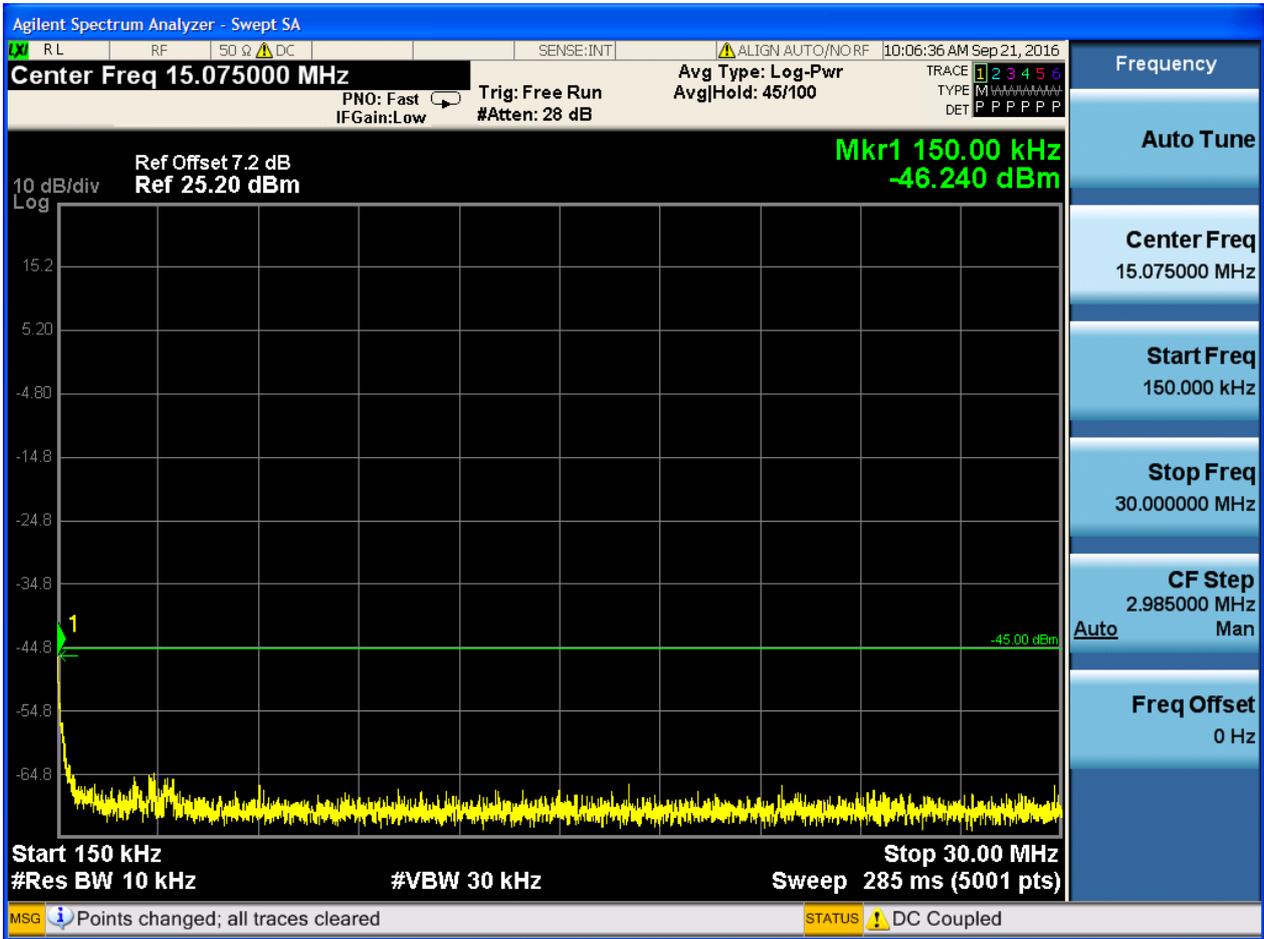


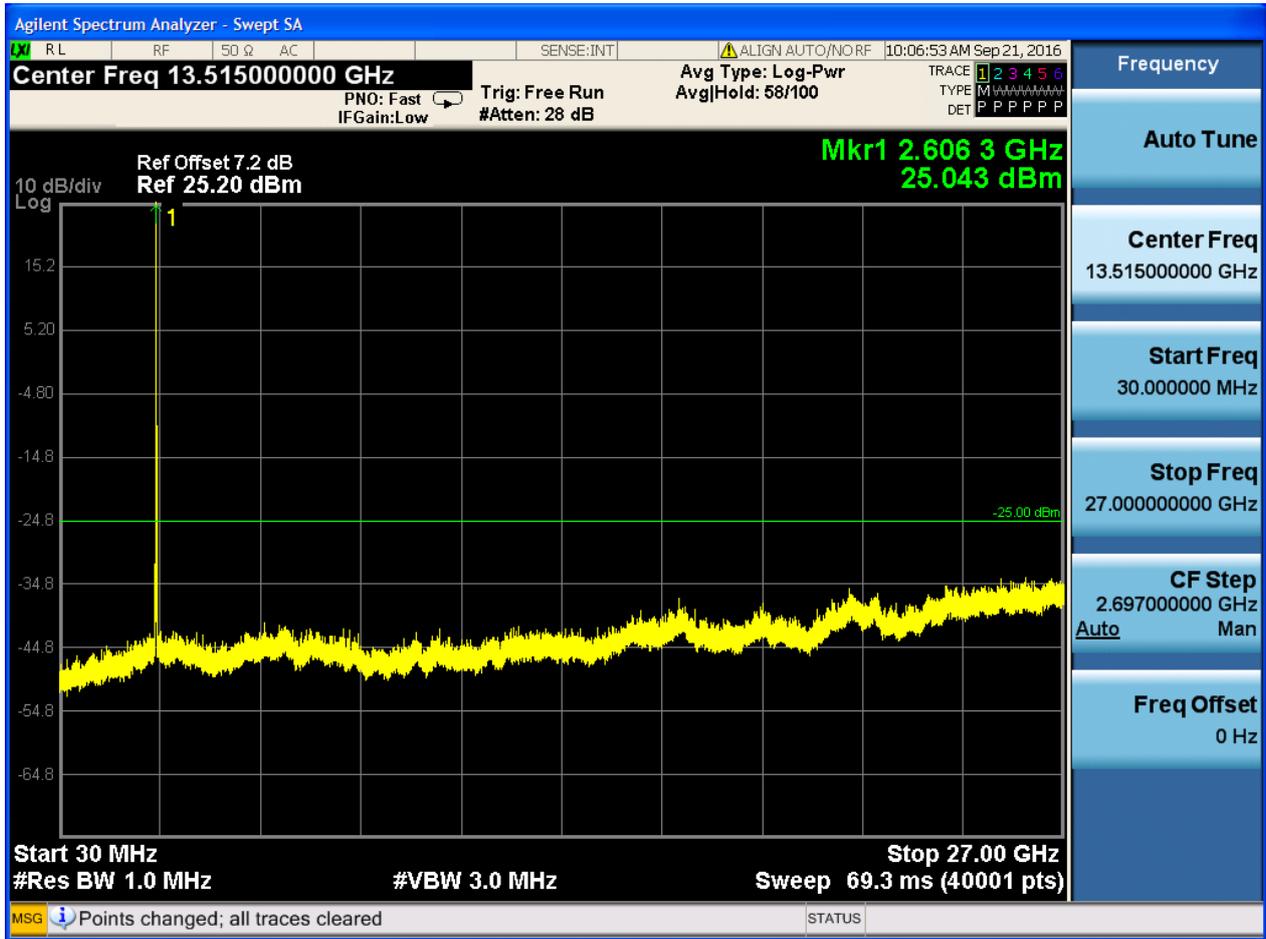


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





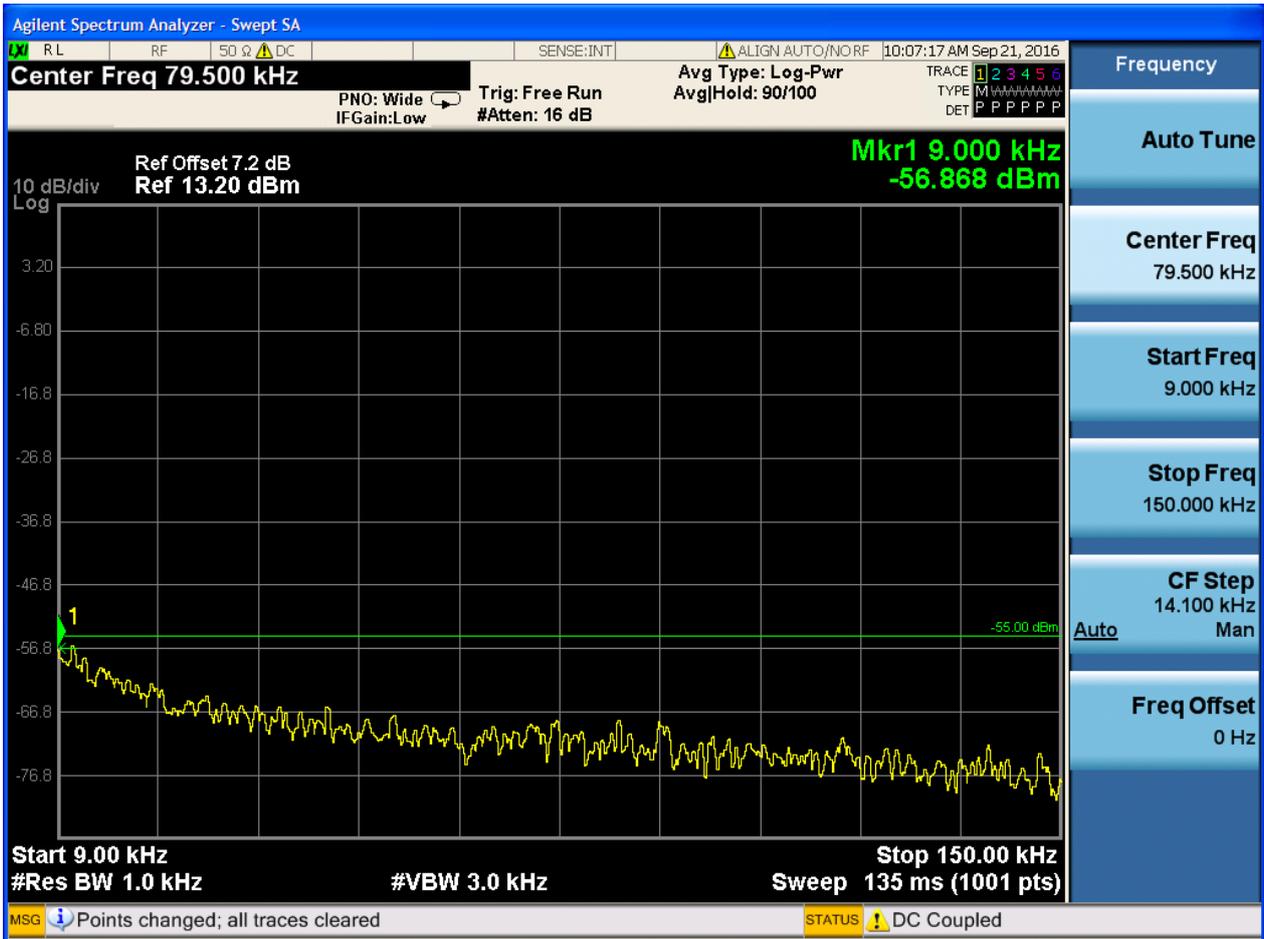




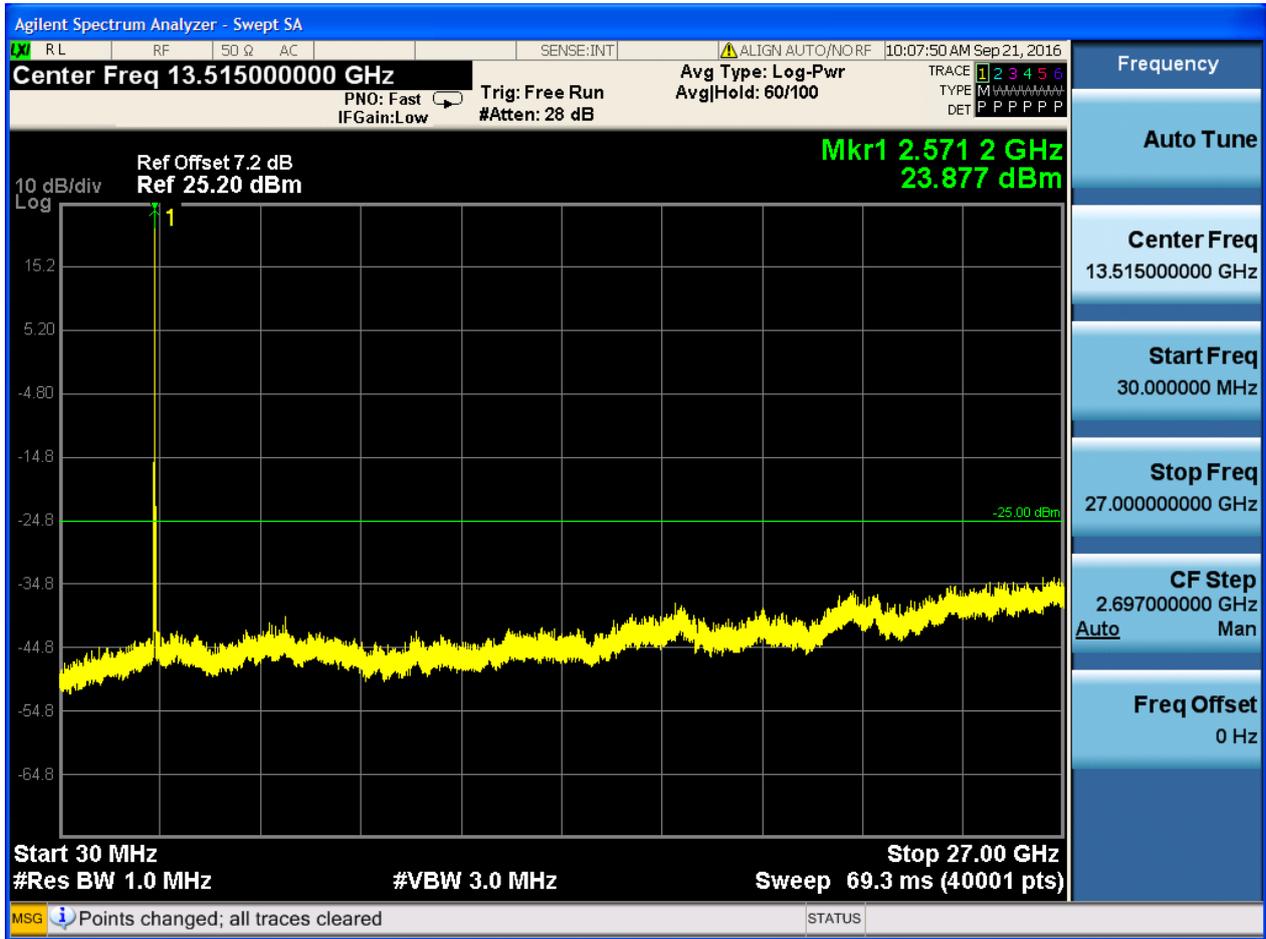
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



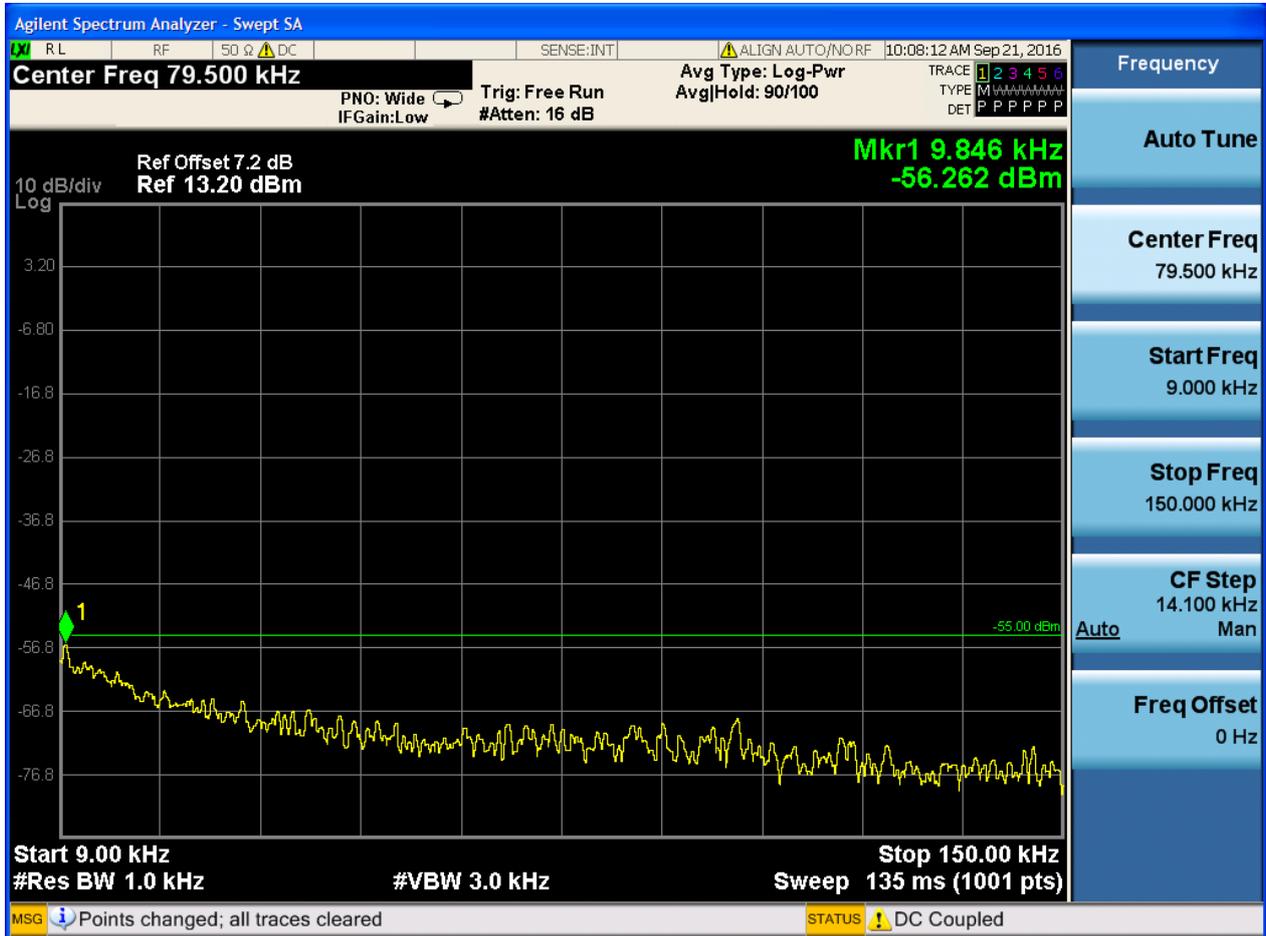


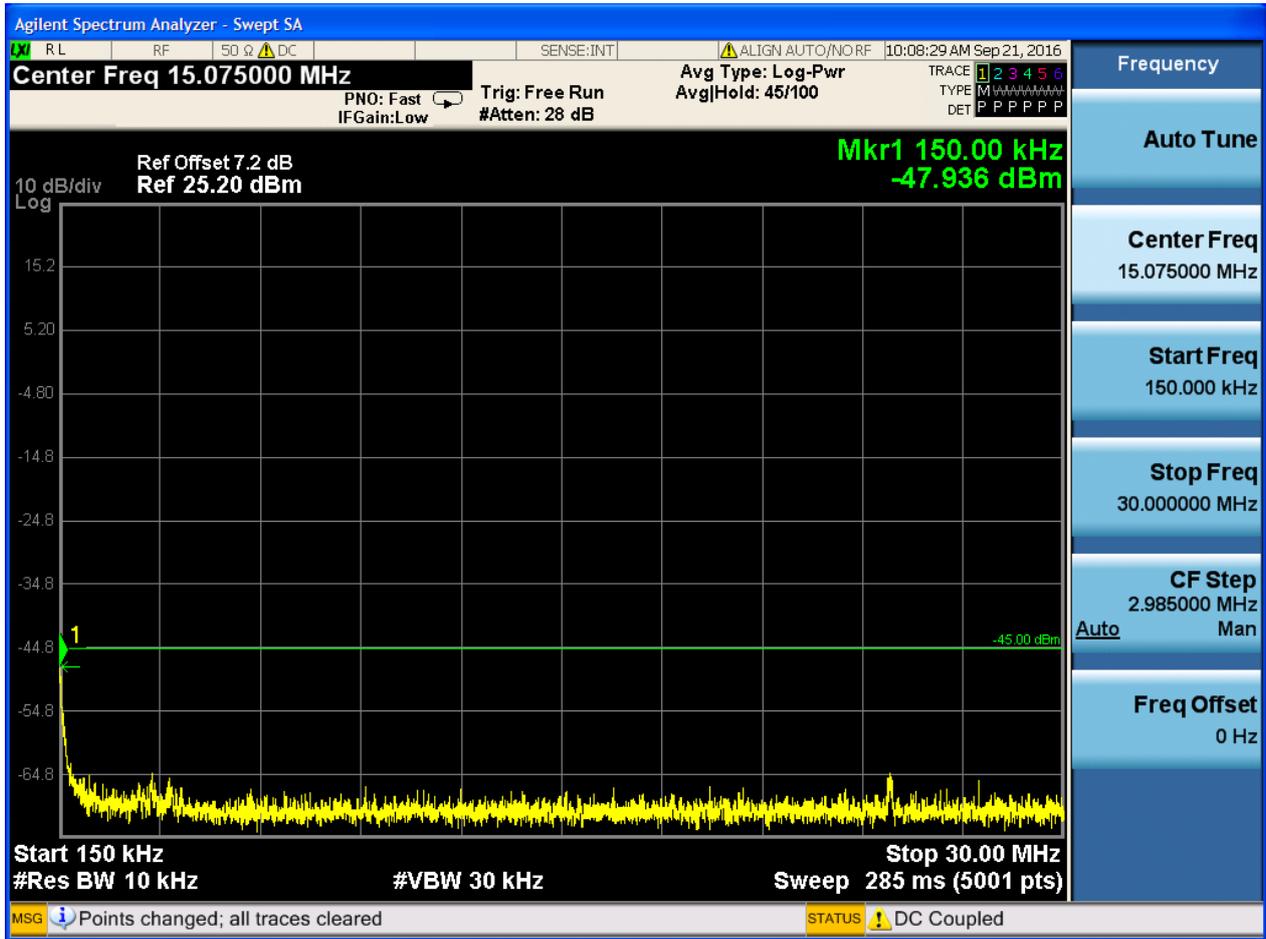


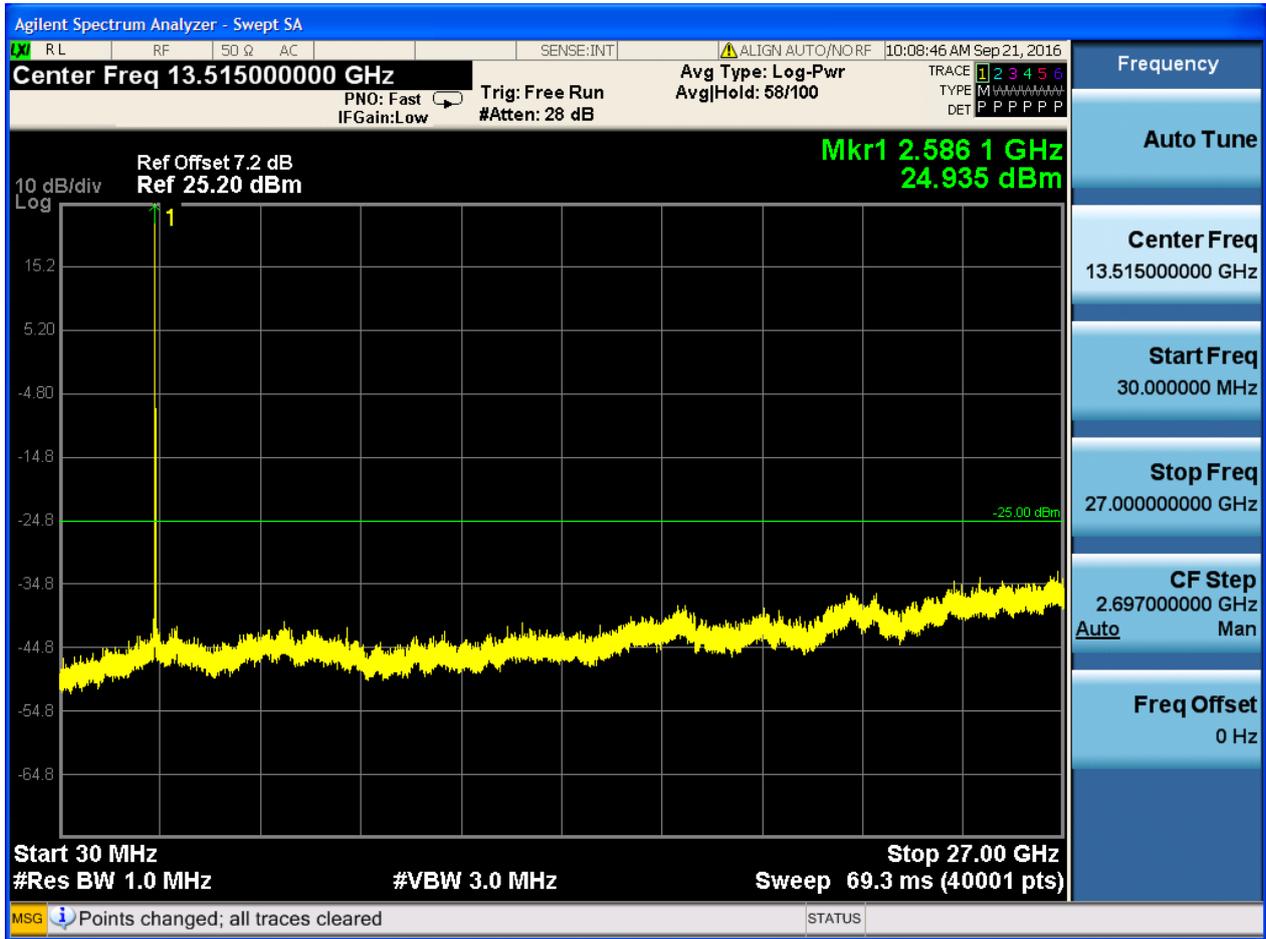


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



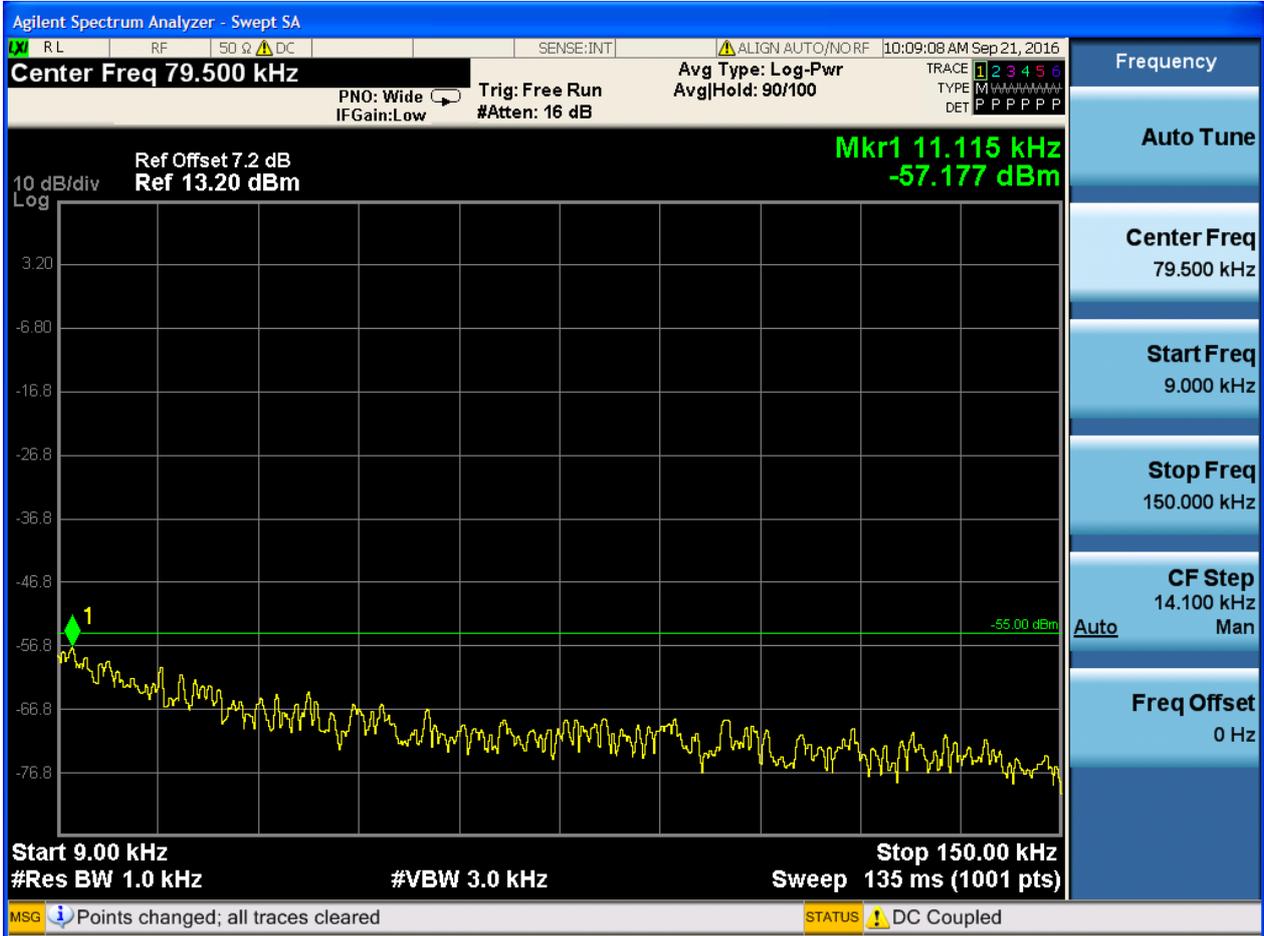




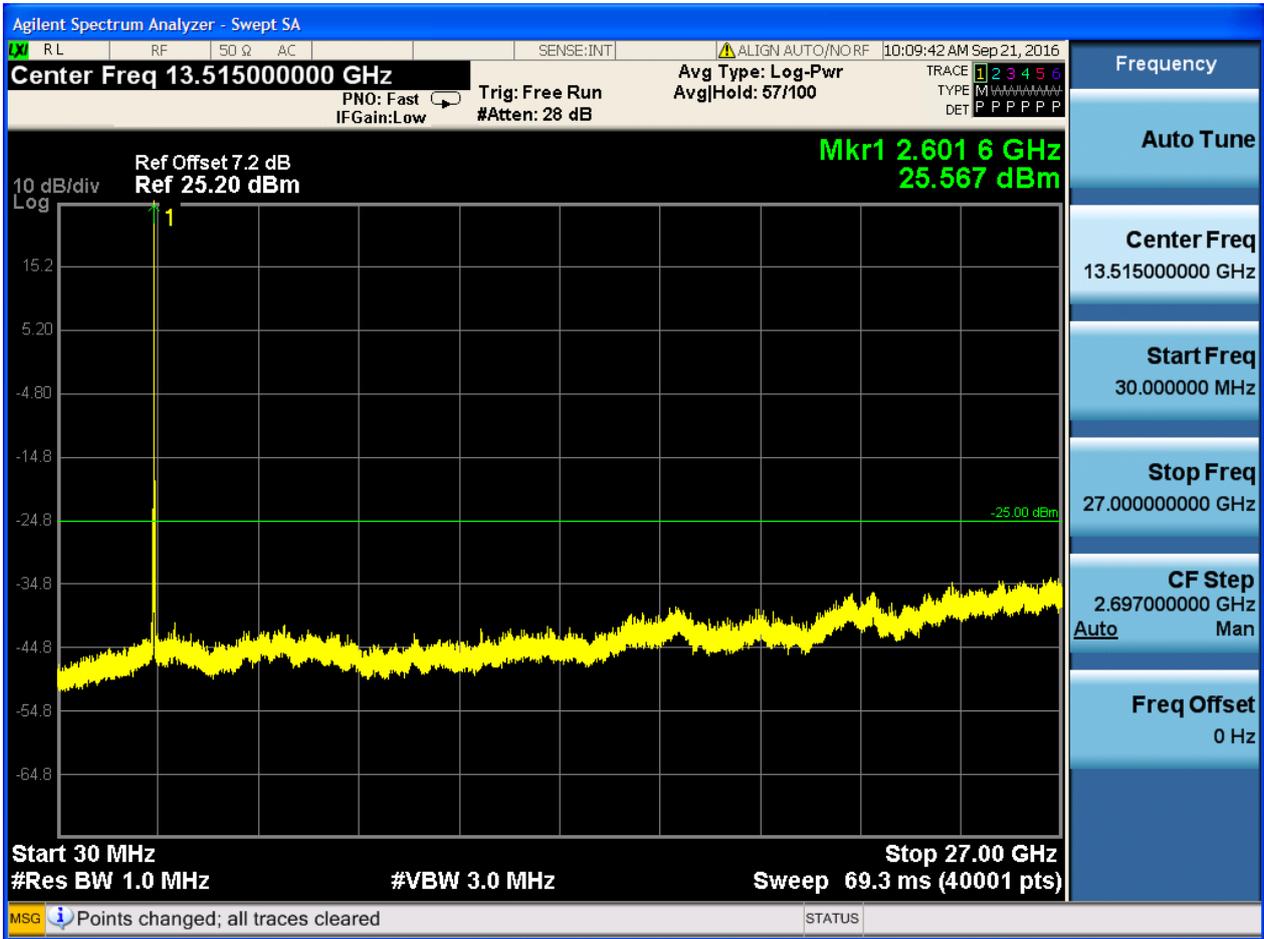


6.1.1.2.4.3 Test Channel = HCH

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

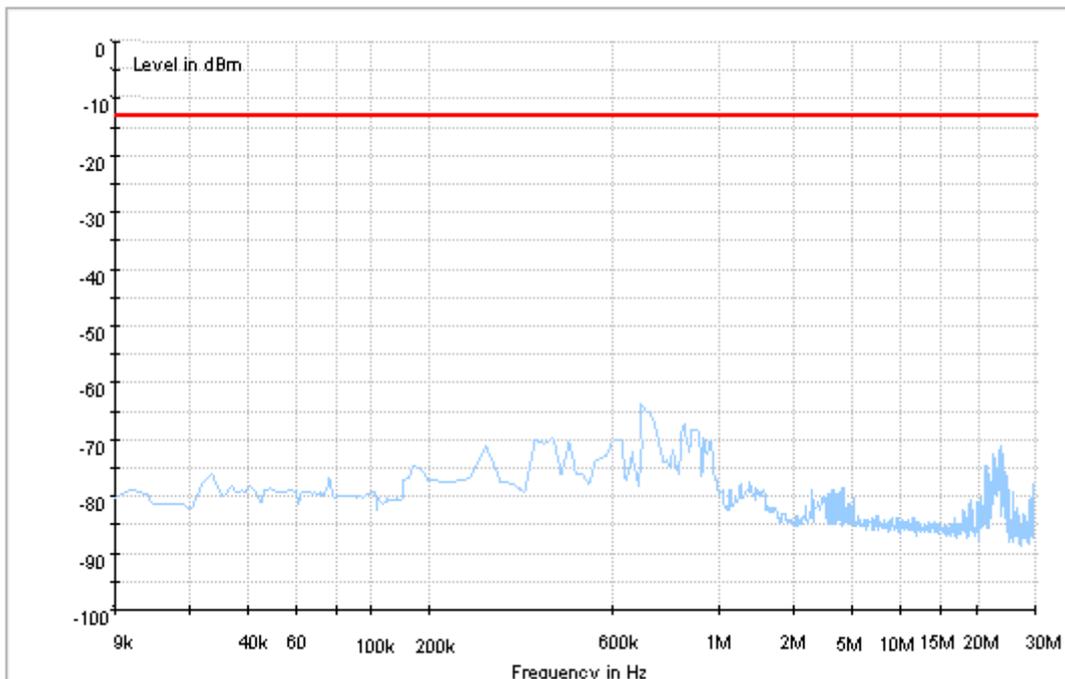
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

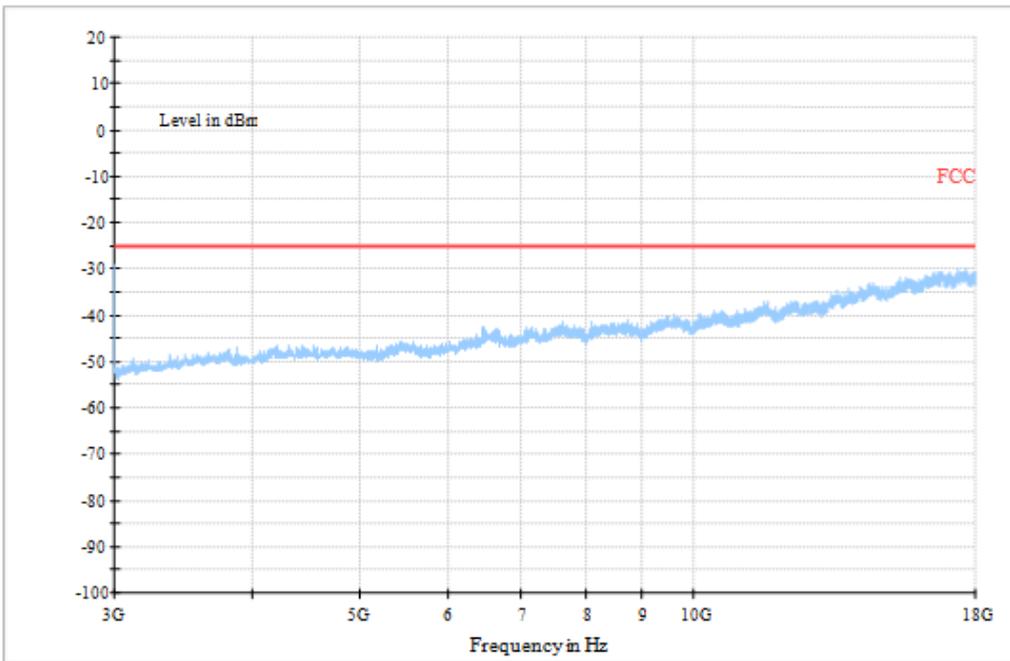
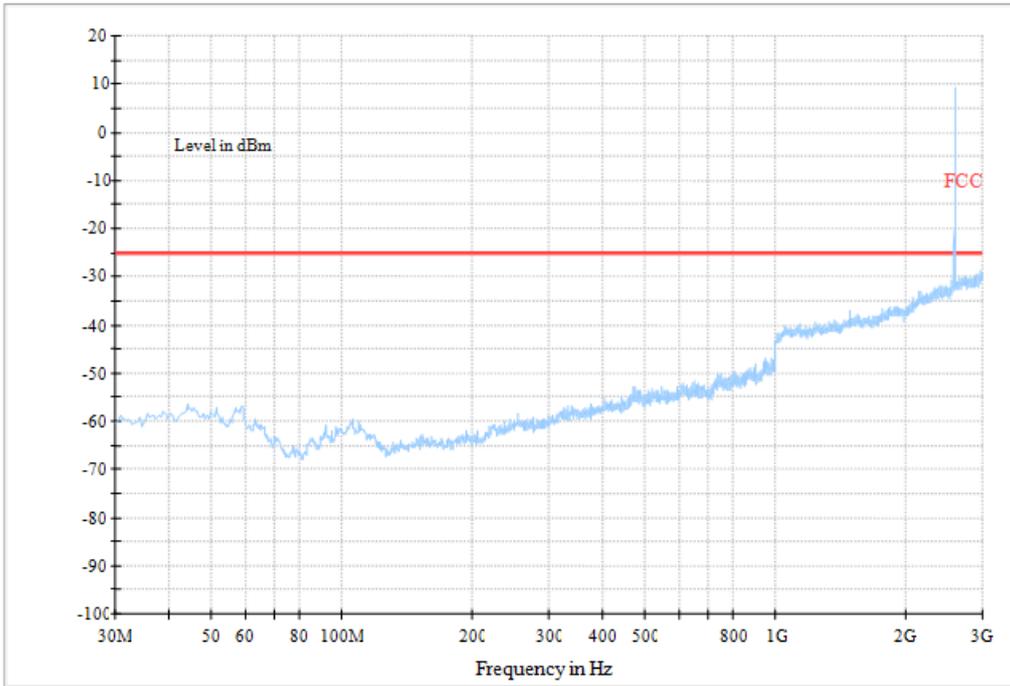
### Part I - Test Plots

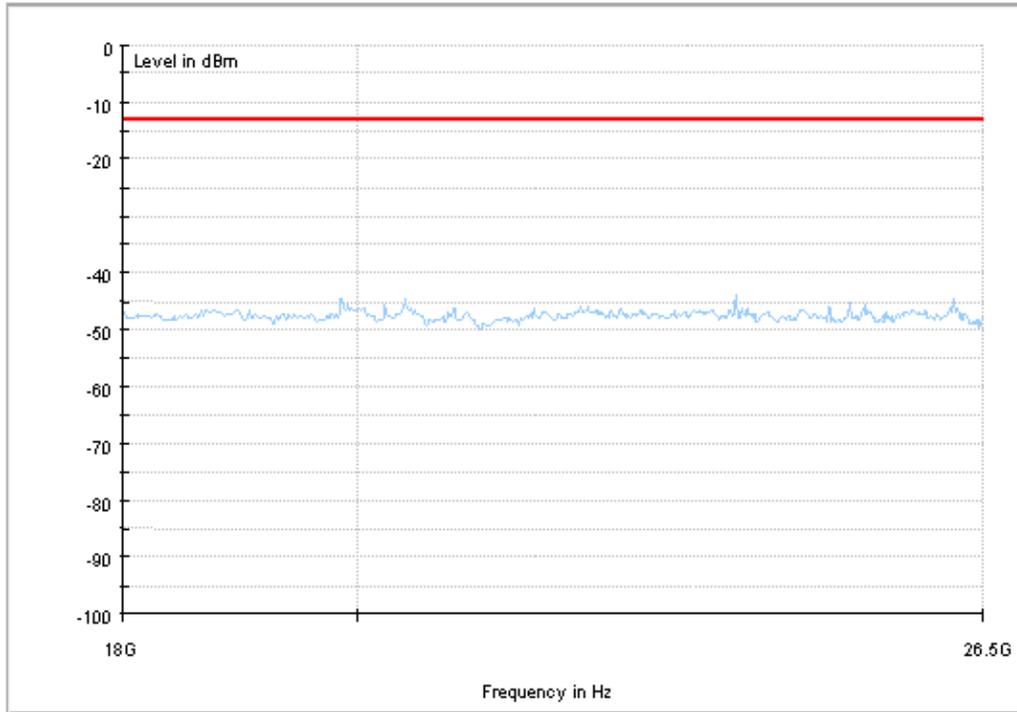
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND38\_Ant1

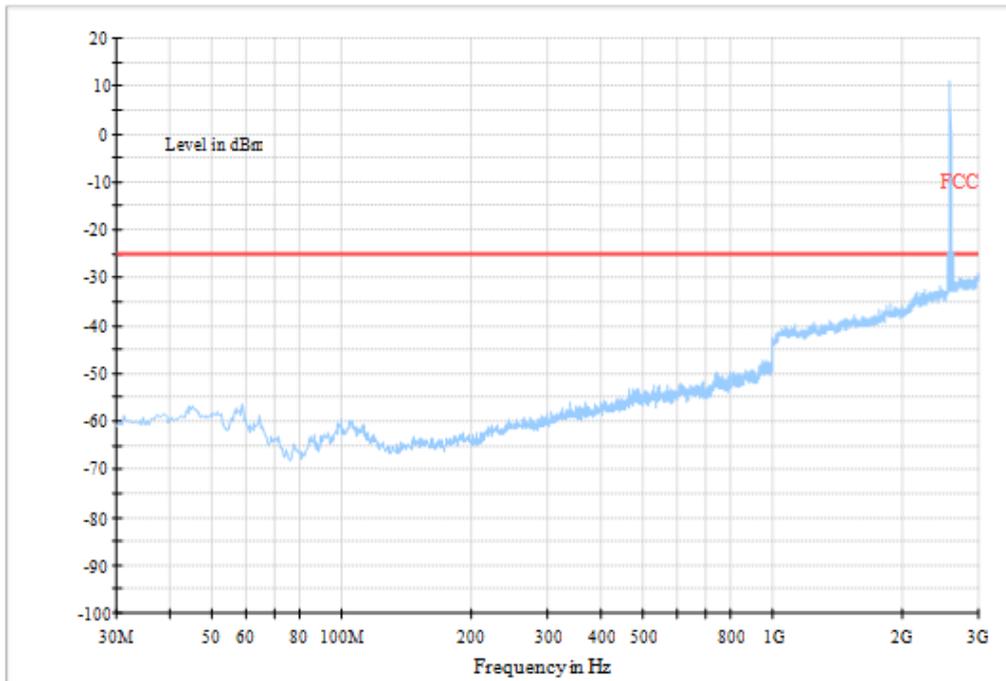
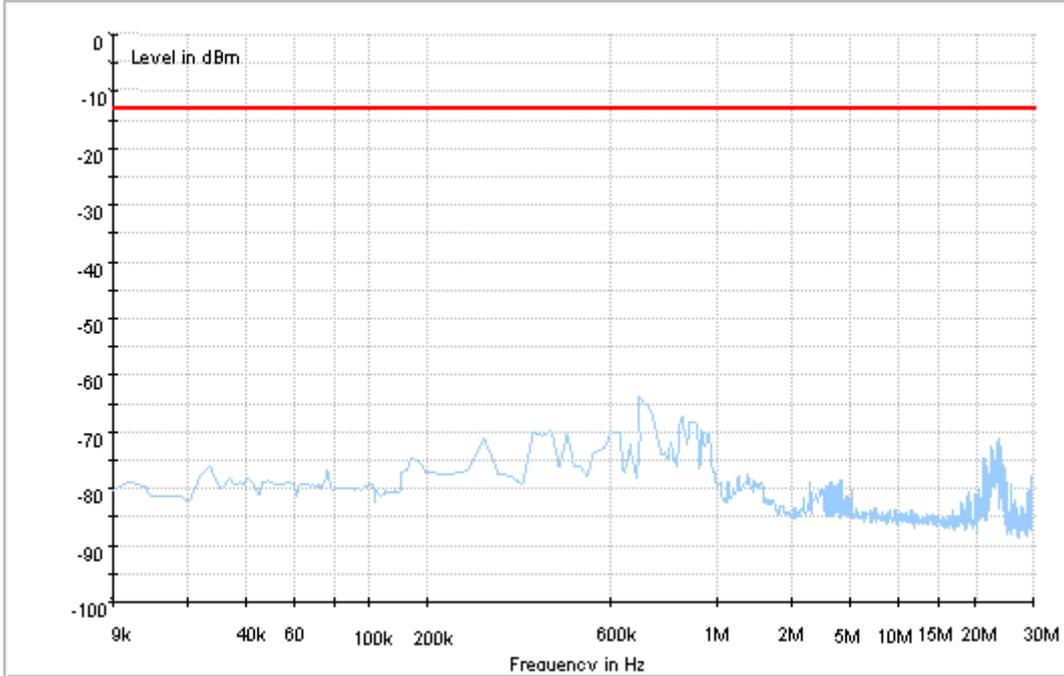
##### 7.1.1.1 Test Bandwidth = 5

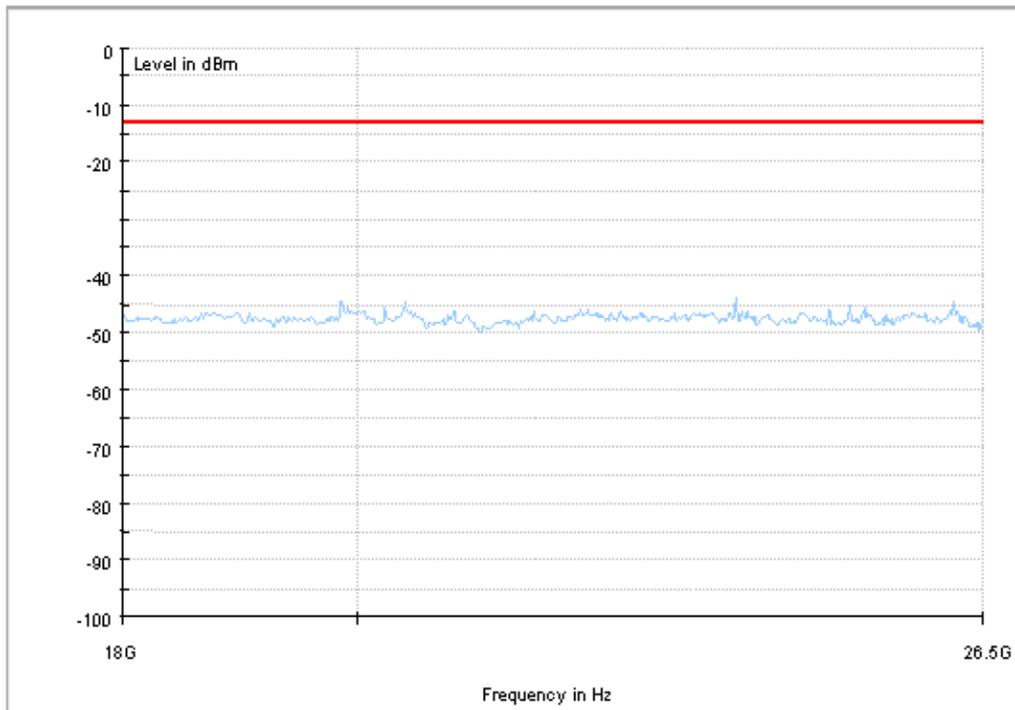
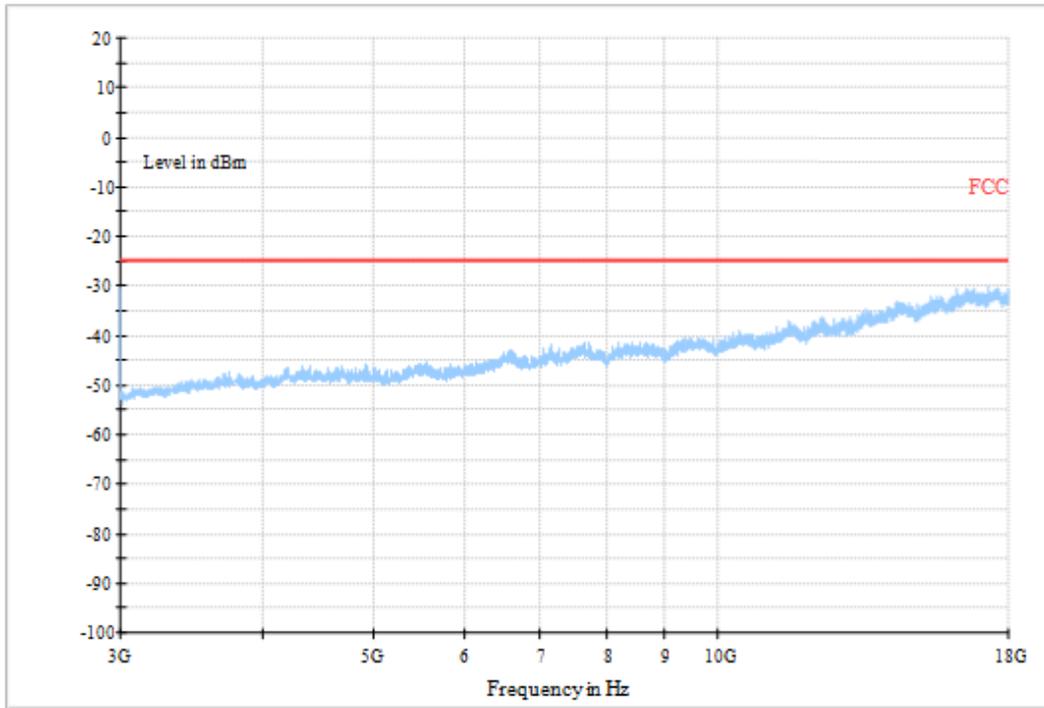






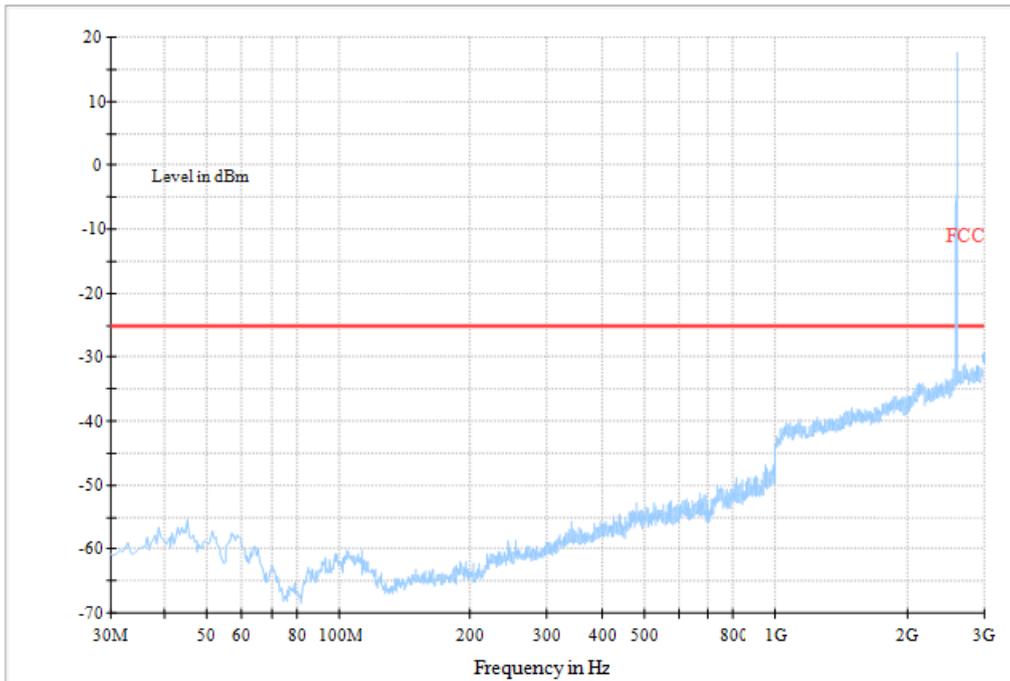
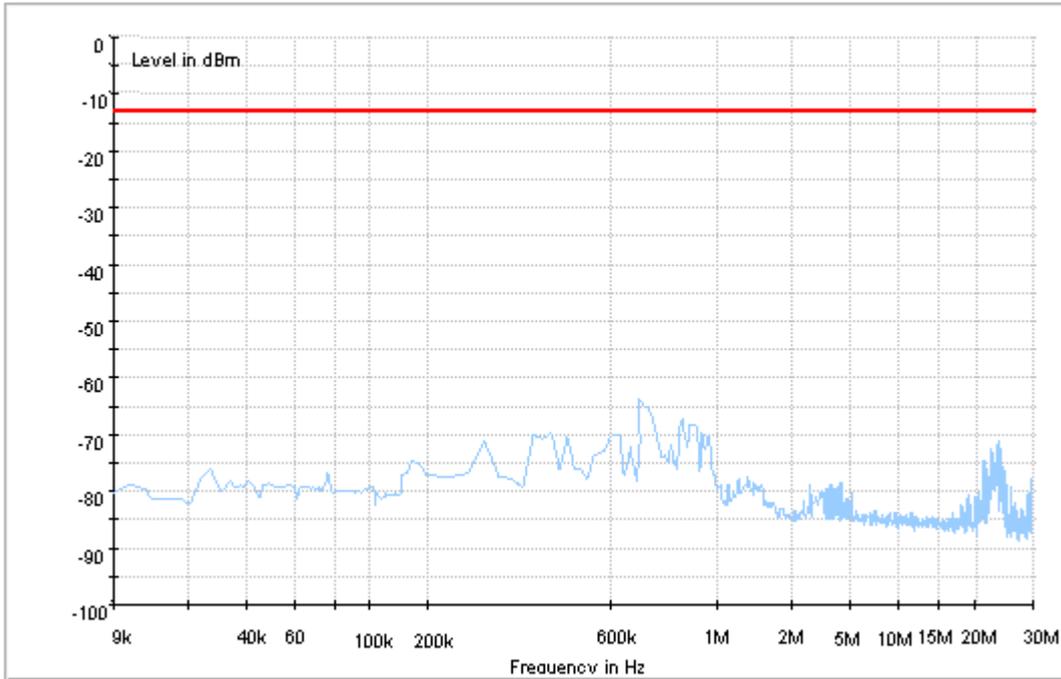
### 7.1.1.2 Test Bandwidth = 20

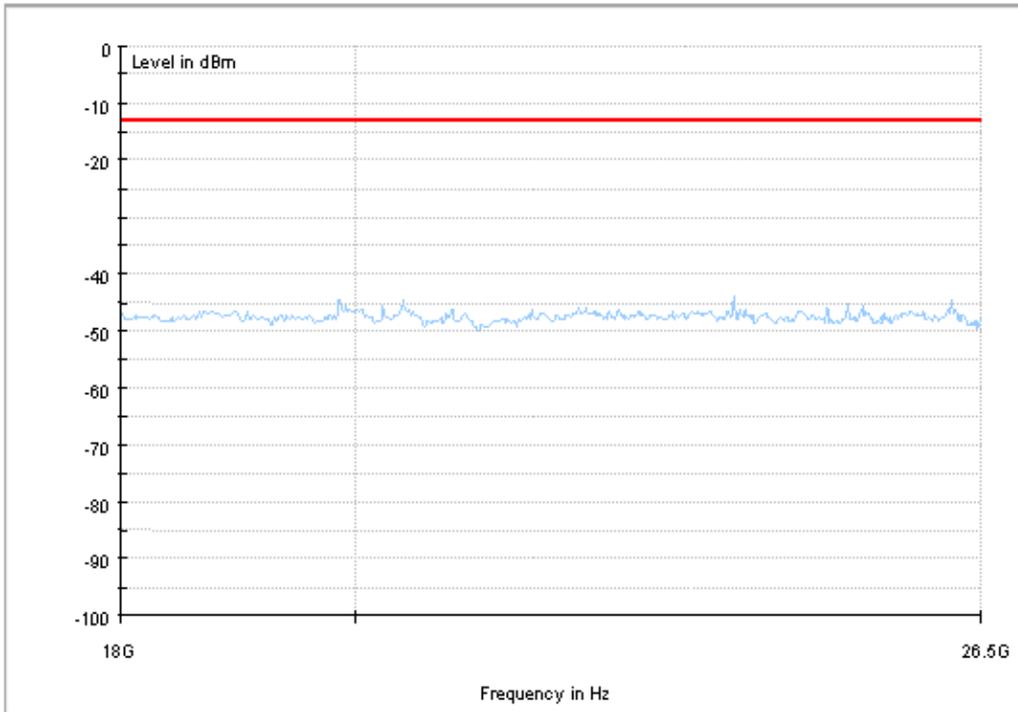
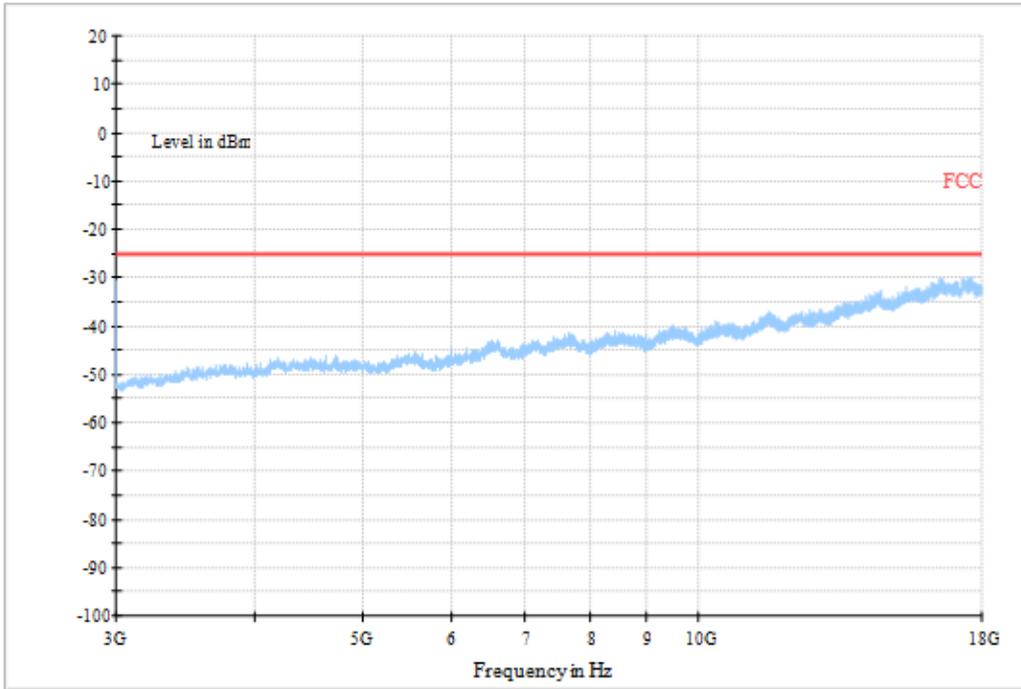




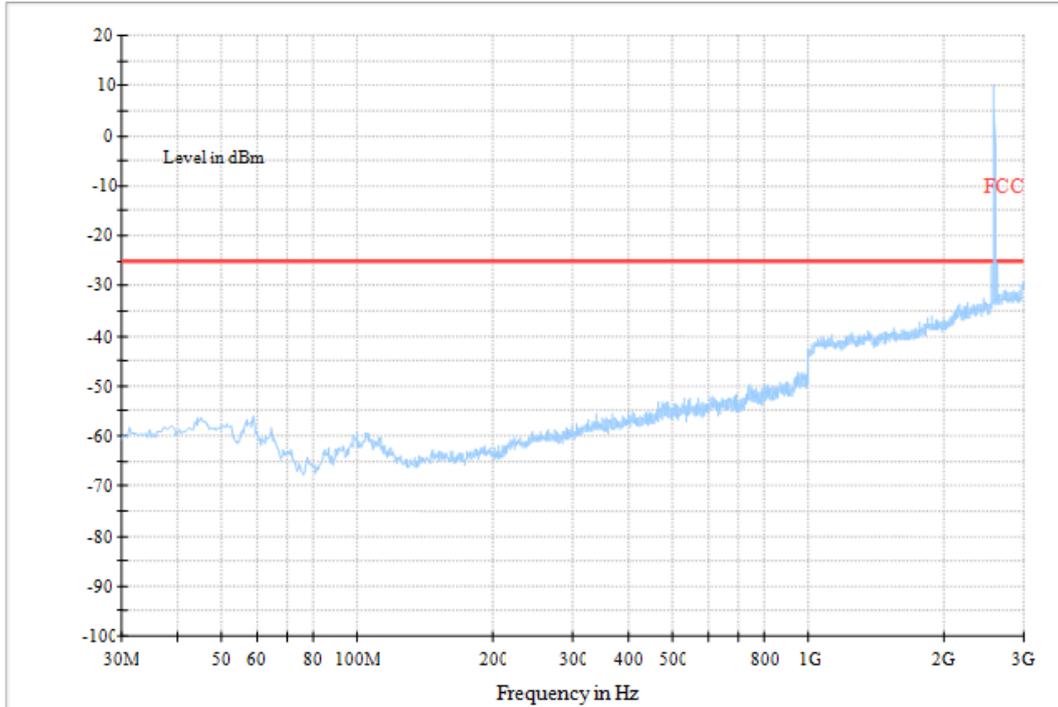
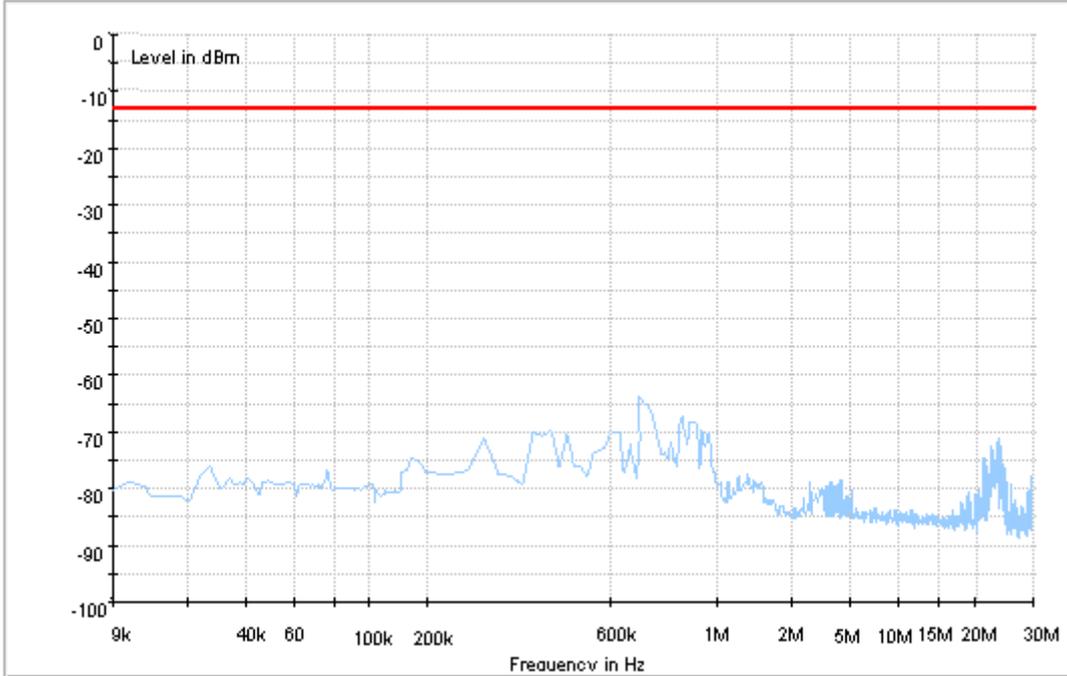
### 7.1.2 Test Band = BAND38\_Ant1

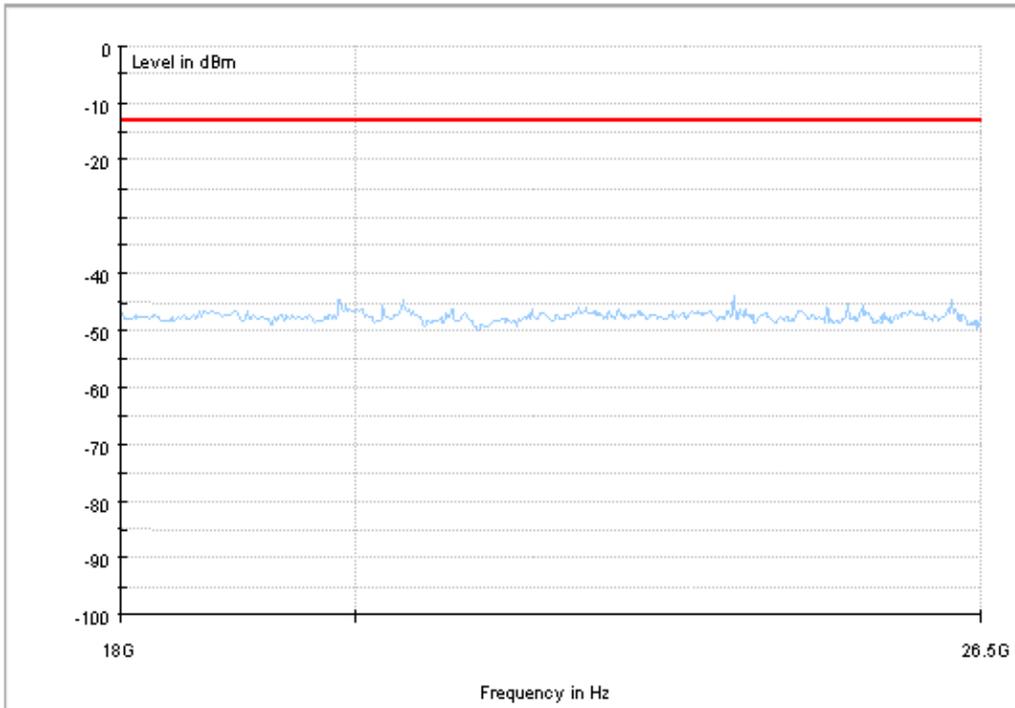
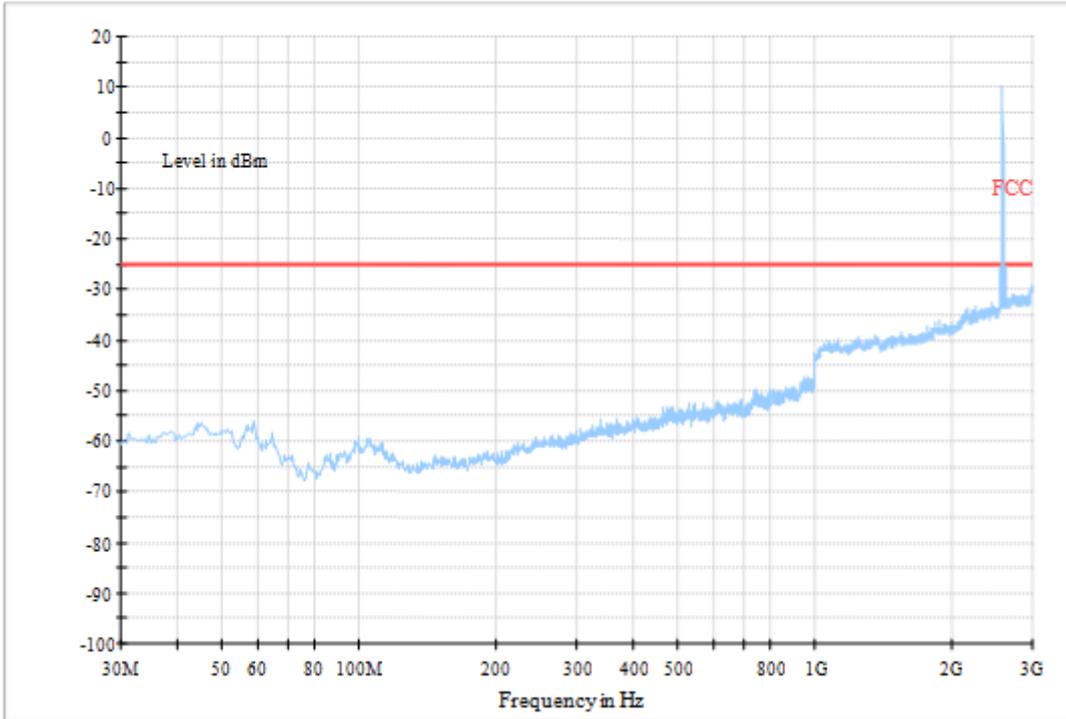
#### 7.1.2.1 Test Bandwidth = 5





### 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
BAND38	LTE/TM1	5	LCH	TN	VL	-1.59	-0.00062	PASS
					VN	-0.17	-0.00007	PASS
					VH	-1.24	-0.00048	PASS
			MCH	TN	VL	-0.86	-0.00033	PASS
					VN	-3.38	-0.0013	PASS
					VH	-9.36	-0.00361	PASS
			HCH	TN	VL	-2.29	-0.00087	PASS
					VN	-79.72	-0.03046	PASS
					VH	-8.75	-0.00334	PASS
		10	LCH	TN	VL	8.17	0.00317	PASS
					VN	4.06	0.00158	PASS
					VH	1.69	0.00066	PASS
			MCH	TN	VL	2.05	0.00079	PASS
					VN	0.83	0.00032	PASS
					VH	-1.66	-0.00064	PASS
			HCH	TN	VL	8.01	0.00306	PASS
					VN	-0.13	-0.00005	PASS
					VH	1.16	0.00044	PASS
		15	LCH	TN	VL	1.13	0.00044	PASS
					VN	-13.93	-0.0054	PASS
					VH	-16.02	-0.00622	PASS
			MCH	TN	VL	1.29	0.0005	PASS
					VN	0.21	0.00008	PASS
					VH	-2.68	-0.00103	PASS
			HCH	TN	VL	0.41	0.00016	PASS
					VN	-0.14	-0.00005	PASS
					VH	-0.23	-0.00009	PASS
		20	LCH	TN	VL	2.69	0.00104	PASS
					VN	0.57	0.00022	PASS
					VH	-1.12	-0.00043	PASS
			MCH	TN	VL	0.82	0.00032	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	0.19	0.00007	PASS
					VH	0.53	0.0002	PASS
					VL	0.34	0.00013	PASS
			VN	-1.16	-0.00044	PASS		
			VH	3.99	0.00153	PASS		
			VL	-4.52	-0.00176	PASS		
		5	LCH	TN	VN	-2.80	-0.00109	PASS
					VH	-8.41	-0.00327	PASS
					VL	1.22	0.00047	PASS
			MCH	TN	VN	-5.51	-0.00212	PASS
					VH	-6.27	-0.00242	PASS
					VL	4.26	0.00163	PASS
	10	HCH	TN	VN	-2.86	-0.00109	PASS	
				VH	-0.39	-0.00015	PASS	
				VL	2.17	0.00084	PASS	
		LCH	TN	VN	-23.90	-0.00928	PASS	
				VH	-2.46	-0.00096	PASS	
				VL	-0.73	-0.00028	PASS	
	15	MCH	TN	VN	-1.04	-0.0004	PASS	
				VH	-6.85	-0.00264	PASS	
				VL	5.98	0.00229	PASS	
		HCH	TN	VN	6.51	0.00249	PASS	
				VH	2.57	0.00098	PASS	
				VL	4.36	0.00169	PASS	
	LTE/TM2	20	LCH	TN	VN	0.34	0.00013	PASS
					VH	0.33	0.00013	PASS
					VL	1.22	0.00047	PASS
			MCH	TN	VN	-4.56	-0.00176	PASS
					VH	-3.19	-0.00123	PASS
					VL	0.87	0.00033	PASS
		HCH	TN	VN	3.91	0.0015	PASS	
				VH	1.87	0.00072	PASS	
				VL	5.11	0.00198	PASS	
		20	LCH	TN	VN	0.90	0.00035	PASS
					VH	-1.09	-0.00042	PASS
					VL	20.53	0.00791	PASS
	MCH		TN	VN	1.96	0.00076	PASS	
				VH	-2.70	-0.00104	PASS	
				VL	3.00	0.00115	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	1.04	0.0004	PASS
					VH	-0.04	-0.00002	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
BAND38	LTE/TM1	5	LCH	VN	-30	-19.96	-0.00743	PASS
					-20	-14.65	-0.00537	PASS
					-10	-6.41	-0.00216	PASS
					0	-8.43	-0.00295	PASS
					10	-13.09	-0.00476	PASS
					20	-7.3	-0.00251	PASS
					30	-5.8	-0.00193	PASS
					40	-10.56	-0.00378	PASS
			50	-10.48	-0.00374	PASS		
			MCH	VN	-30	-4.4	-0.00138	PASS
					-20	-5.34	-0.00174	PASS
					-10	-4.87	-0.00156	PASS
					0	-7.44	-0.00255	PASS
					10	-7.16	-0.00244	PASS
					20	29.49	0.01168	PASS
					30	-6.56	-0.00221	PASS
		40			-15.41	-0.00562	PASS	
		HCH	VN	-30	-3.67	-0.00109	PASS	
				-20	-5.34	-0.00173	PASS	
				-10	-4.93	-0.00157	PASS	
				0	-4.93	-0.00157	PASS	
				10	-5.15	-0.00166	PASS	
				20	-5.56	-0.00181	PASS	
				30	-5.87	-0.00193	PASS	
				40	-5.45	-0.00177	PASS	
		10	LCH	VN	-30	-5.21	-0.00169	PASS
					-20	-8.33	-0.00291	PASS
					-10	-12.68	-0.0046	PASS
0	-17.67				-0.00653	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
		15			10	-4.01	-0.00123	PASS	
					20	-13.39	-0.00487	PASS	
					30	-7.86	-0.00272	PASS	
					40	-5.81	-0.00193	PASS	
					50	-11.03	-0.00396	PASS	
			MCH	VN	-30	3.07	0.0015	PASS	
					-20	-1.72	-0.00034	PASS	
					-10	-1.16	-0.00013	PASS	
					0	-9.65	-0.0034	PASS	
					10	-3.92	-0.00119	PASS	
					20	2.64	0.00134	PASS	
					30	-15.65	-0.00571	PASS	
					40	-7.13	-0.00243	PASS	
					50	1.07	0.00073	PASS	
			HCH	VN	-30	-4.11	-0.00126	PASS	
					-20	-4.71	-0.00149	PASS	
					-10	-4.95	-0.00158	PASS	
					0	-5.11	-0.00164	PASS	
					10	-4.87	-0.00155	PASS	
					20	-3.94	-0.0012	PASS	
					30	-5.31	-0.00172	PASS	
					40	-3.74	-0.00112	PASS	
			LCH	VN	-30	-7.94	-0.00275	PASS	
					-20	-3.87	-0.00117	PASS	
		-10			-14.15	-0.00516	PASS		
		0			-5.44	-0.00178	PASS		
		10			-7.1	-0.00243	PASS		
		20			-6.67	-0.00226	PASS		
		30			-3.35	-0.00097	PASS		
		40			-14.2	-0.00518	PASS		
		50			-5.63	-0.00186	PASS		
		MCH			VN	-30	-4.45	-0.0014	PASS
						-20	-8.29	-0.00287	PASS
						-10	3.66	0.00173	PASS
			0	2.08		0.00112	PASS		
			10	2.73		0.00137	PASS		
20	-6.01		-0.002	PASS					
30	0.24		0.00041	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					40	-1.89	-0.00041	PASS	
					50	-4.32	-0.00134	PASS	
			HCH	VN	-30	-5.03	-0.00161	PASS	
					-20	-4.9	-0.00156	PASS	
					-10	-5.14	-0.00166	PASS	
					0	-6.54	-0.00219	PASS	
					10	-5.43	-0.00177	PASS	
					20	-4.9	-0.00156	PASS	
					30	-6.59	-0.00221	PASS	
					40	-6.21	-0.00206	PASS	
					50	-4.7	-0.00149	PASS	
			LCH	VN	-30	-8.72	-0.00305	PASS	
					-20	-28.04	-0.01054	PASS	
					-10	-154.61	-0.0596	PASS	
					0	-119.85	-0.04613	PASS	
		10			-97.44	-0.03744	PASS		
		20			-123.49	-0.04754	PASS		
		30			-44.67	-0.01699	PASS		
		40			-77.35	-0.02965	PASS		
		50			-83.93	-0.0322	PASS		
		MCH	VN	-30	-0.29	0.00021	PASS		
				-20	-27.33	-0.01021	PASS		
				-10	-20.82	-0.0077	PASS		
				0	-8.46	-0.00294	PASS		
				10	-15.4	-0.00561	PASS		
				20	-9.37	-0.00329	PASS		
				30	-1.59	-0.00029	PASS		
				40	-5.61	-0.00184	PASS		
				50	-16.21	-0.00593	PASS		
		HCH	VN	-30	-5.34	-0.00173	PASS		
				-20	-4.97	-0.00159	PASS		
				-10	-3.87	-0.00117	PASS		
				0	-5.1	-0.00164	PASS		
				10	-4.37	-0.00136	PASS		
				20	-5.57	-0.00182	PASS		
				30	-4.7	-0.00149	PASS		
				40	-4.41	-0.00138	PASS		
				50	-5.88	-0.00194	PASS		
		LTE/TM2	5	LCH	VN	-30	-11.25	-0.00404	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	-8.19	-0.00285	PASS	
					-10	-15.71	-0.00578	PASS	
					0	1.43	0.00089	PASS	
					10	-13.59	-0.00495	PASS	
					20	-2.22	-0.00053	PASS	
					30	-11.94	-0.00431	PASS	
					40	-1.09	-0.00009	PASS	
					50	-7.49	-0.00258	PASS	
			MCH	VN	-30	-7.09	-0.00241	PASS	
					-20	-1.74	-0.00035	PASS	
					-10	-8.63	-0.00301	PASS	
					0	-4.54	-0.00143	PASS	
					10	-17.71	-0.0065	PASS	
					20	-16.06	-0.00587	PASS	
					30	1.28	0.00081	PASS	
					40	-19.2	-0.00708	PASS	
			HCH	VN	-30	-6.13	-0.00203	PASS	
					-20	-4.74	-0.0015	PASS	
					-10	-6.36	-0.00212	PASS	
					0	-5.45	-0.00177	PASS	
					10	-3.81	-0.00115	PASS	
					20	-5.27	-0.0017	PASS	
					30	-5.66	-0.00185	PASS	
					40	-4.78	-0.00152	PASS	
			10	LCH	VN	-30	4.93	0.00224	PASS
						-20	-4.87	-0.00156	PASS
						-10	0.95	0.0007	PASS
						0	-0.76	0.00003	PASS
		10				-2.84	-0.00077	PASS	
		20				4.16	0.00194	PASS	
		30				-8.7	-0.00305	PASS	
		40				1.17	0.00078	PASS	
		50		5.03	0.00228	PASS			
		MCH		VN	-30	-3.57	-0.00106	PASS	
					-20	-9.79	-0.00345	PASS	
					-10	6.42	0.00279	PASS	
			0		-7.54	-0.00259	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	14.64	0.00596	PASS		
					20	-5.98	-0.00198	PASS		
					30	-1.22	-0.00015	PASS		
					40	-27.58	-0.01031	PASS		
					50	5.6	0.00248	PASS		
			HCH	VN	-30	-2.48	-0.00064	PASS		
					-20	-6.1	-0.00202	PASS		
					-10	46.33	0.01803	PASS		
					0	-1.52	-0.00027	PASS		
					10	-1.56	-0.00029	PASS		
					20	-2.14	-0.00051	PASS		
					30	-3.38	-0.00098	PASS		
					40	-2.16	-0.00051	PASS		
					50	-2.45	-0.00063	PASS		
					LCH	VN	-30	-13.92	-0.00507	PASS
							-20	-7.87	-0.00273	PASS
							-10	-13.89	-0.00506	PASS
							0	-6.74	-0.00229	PASS
		10	-11.72	-0.00422			PASS			
		20	-6.81	-0.00231			PASS			
		30	-4.44	-0.0014			PASS			
		40	-11.21	-0.00402			PASS			
		50	2.33	0.00123			PASS			
		MCH	VN	-30	-4.85	-0.00155	PASS			
				-20	-3.74	-0.00112	PASS			
				-10	7.29	0.00313	PASS			
				0	8.05	0.00342	PASS			
				10	-5.66	-0.00186	PASS			
				20	16.16	0.00655	PASS			
				30	-12.28	-0.00441	PASS			
				40	-2.45	-0.00062	PASS			
				50	-6	-0.00199	PASS			
		HCH	VN	-30	-4.07	-0.00125	PASS			
				-20	-3.02	-0.00084	PASS			
				-10	14.94	0.00603	PASS			
				0	-3.34	-0.00097	PASS			
10	-4.04			-0.00123	PASS					
20	-2.98			-0.00083	PASS					
30	-2.04			-0.00047	PASS					
15										



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-96.02	-0.03644	PASS
					50	-7.16	-0.00243	PASS
		20	LCH	VN	-30	-9.06	-0.00319	PASS
					-20	-8.24	-0.00287	PASS
					-10	-34.05	-0.01287	PASS
					0	-19.09	-0.00707	PASS
					10	-7.87	-0.00272	PASS
					20	-5.01	-0.00162	PASS
					30	12.03	0.00499	PASS
					40	17.43	0.00708	PASS
					50	21.54	0.00868	PASS
					MCH	VN	-30	-8.3
			-20	-11.33			-0.00405	PASS
			-10	-7.99			-0.00276	PASS
			0	-19.3			-0.00712	PASS
			10	-2.24			-0.00054	PASS
			20	-10.45			-0.00371	PASS
			30	-6.6			-0.00222	PASS
			40	-11.33			-0.00405	PASS
			HCH	VN	50	-6.33	-0.00212	PASS
					-30	-6.03	-0.002	PASS
					-20	-8.57	-0.00297	PASS
					-10	-4.48	-0.0014	PASS
					0	-3.8	-0.00114	PASS
					10	-9.06	-0.00316	PASS
					20	-5.18	-0.00167	PASS
		30			-2.69	-0.00072	PASS	
		40	-4.27	-0.00132	PASS			
					50	-4.93	-0.00158	PASS

END