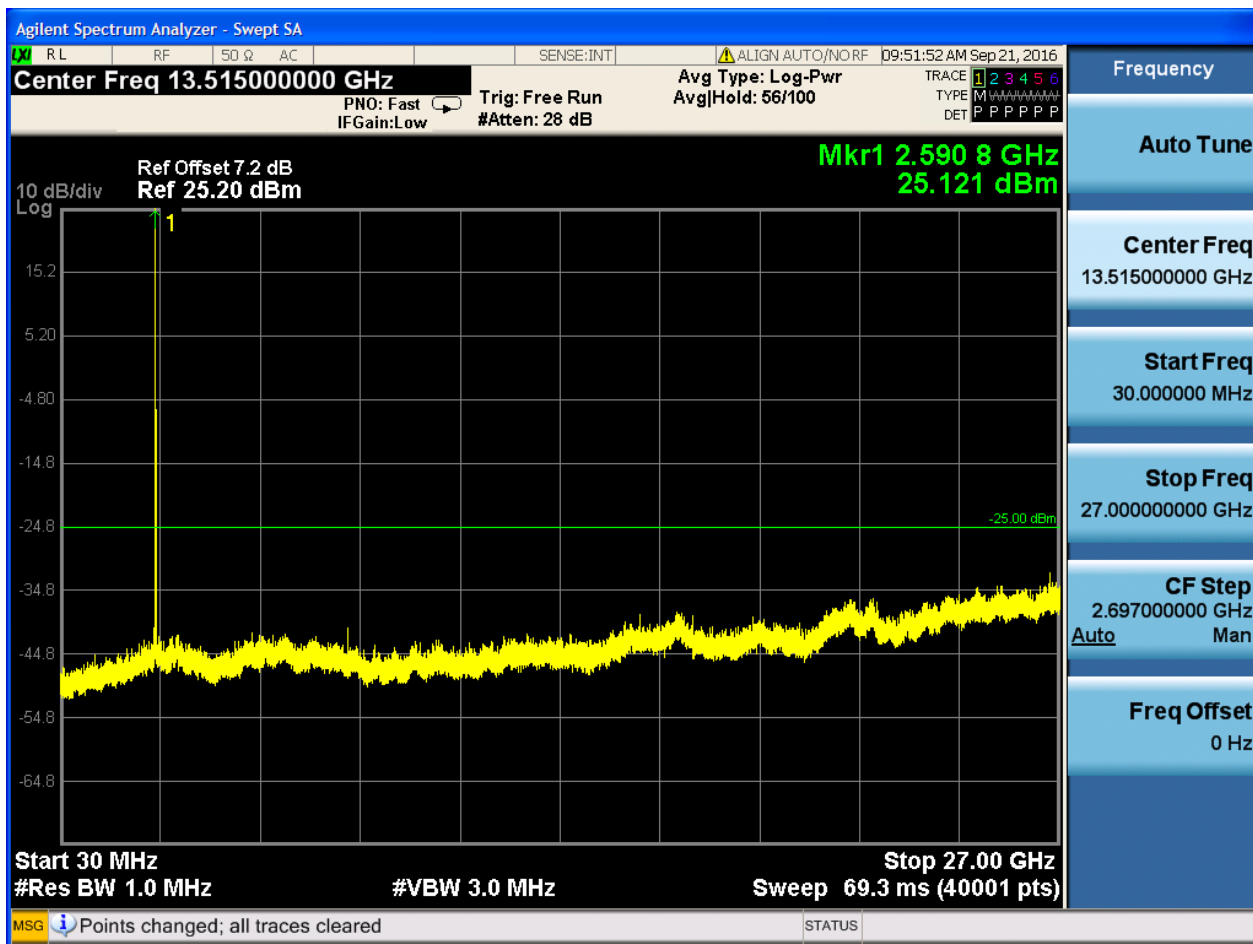
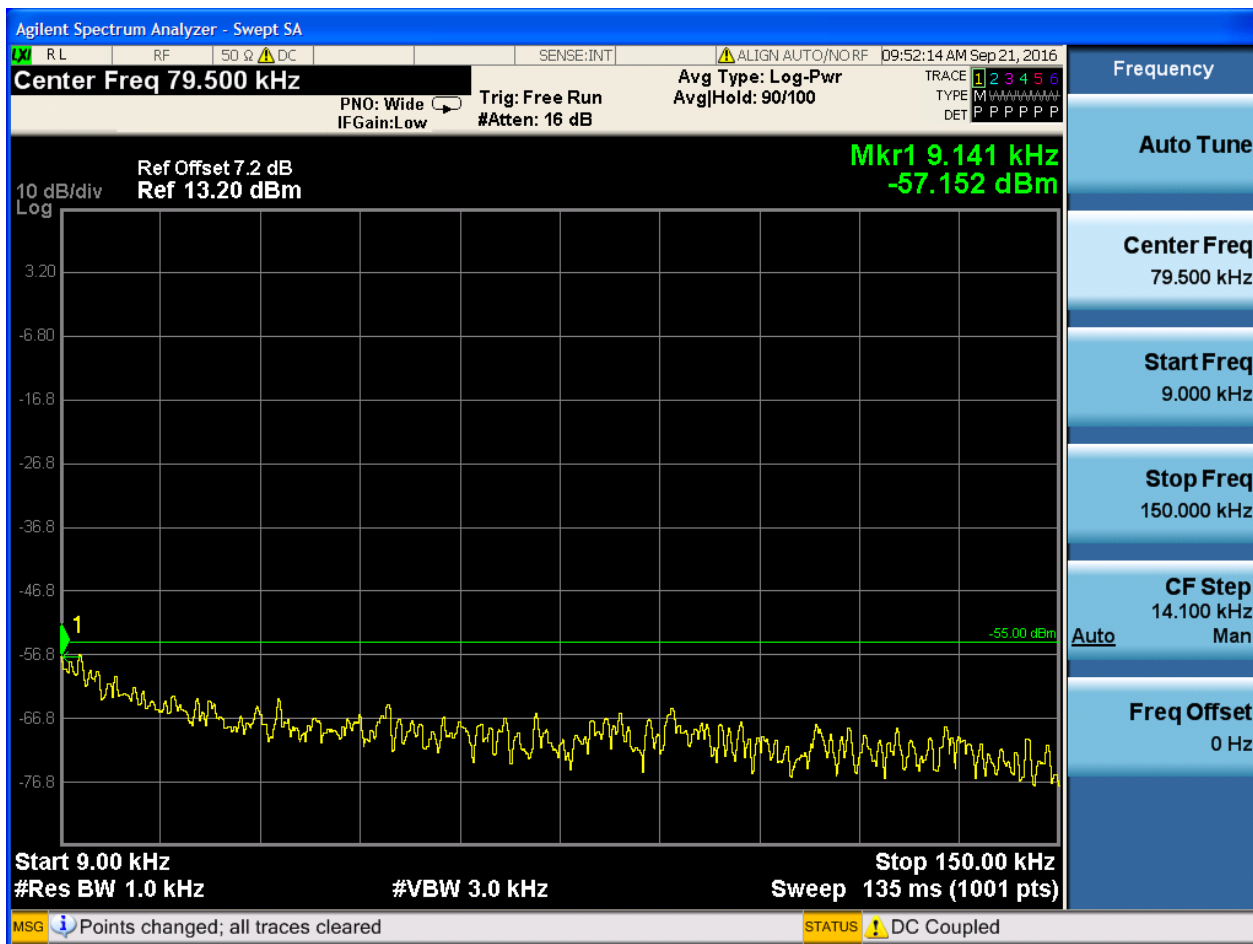


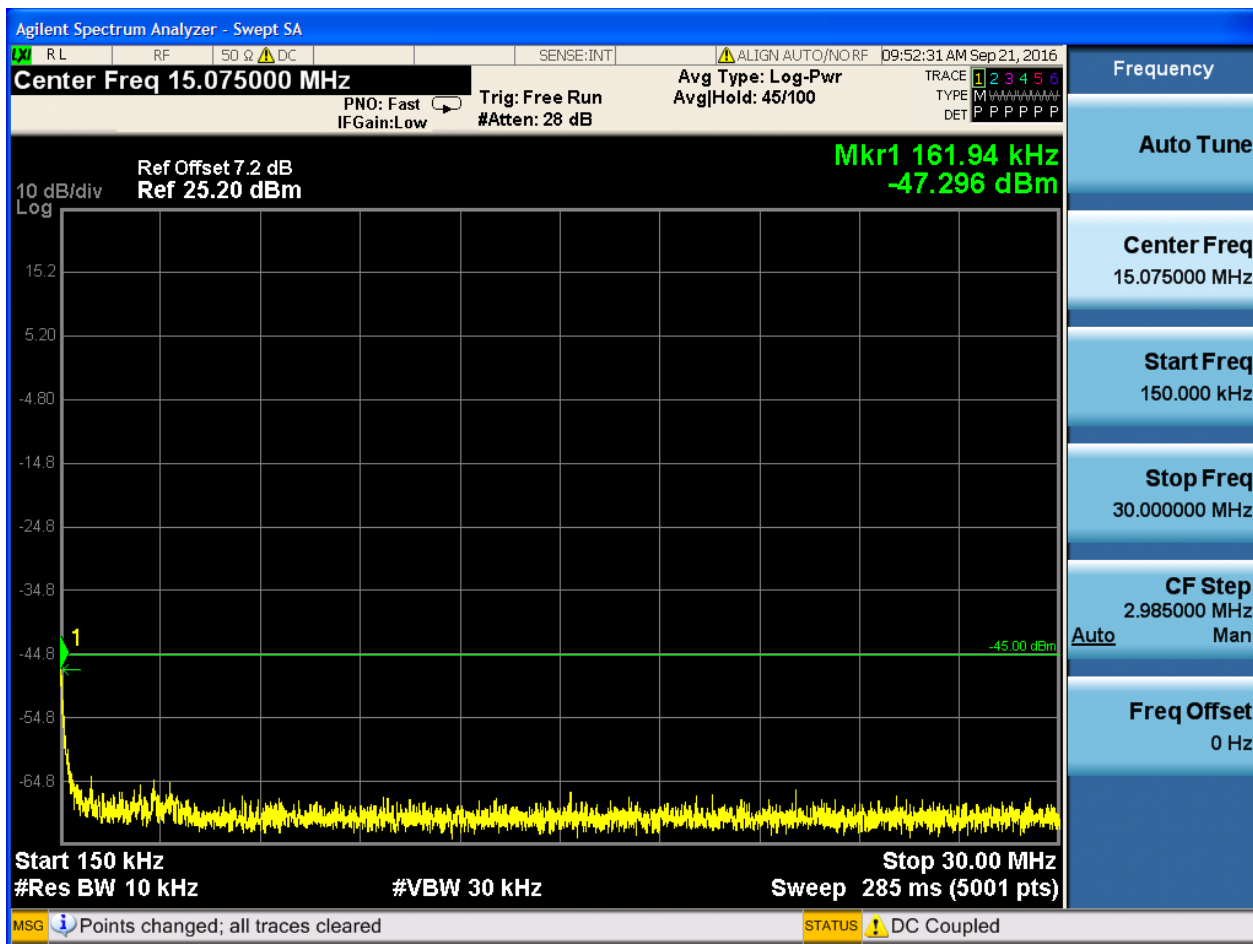


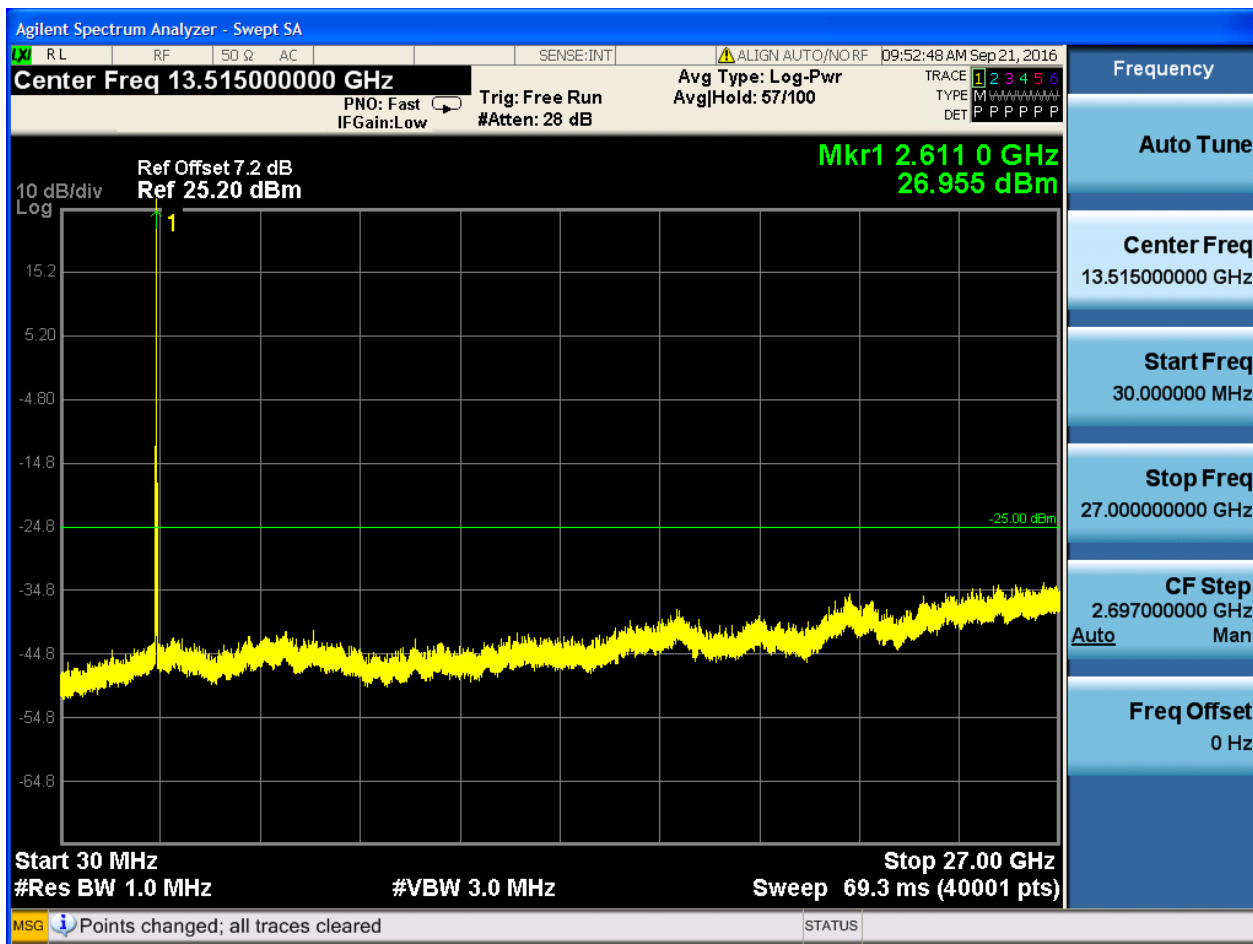


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





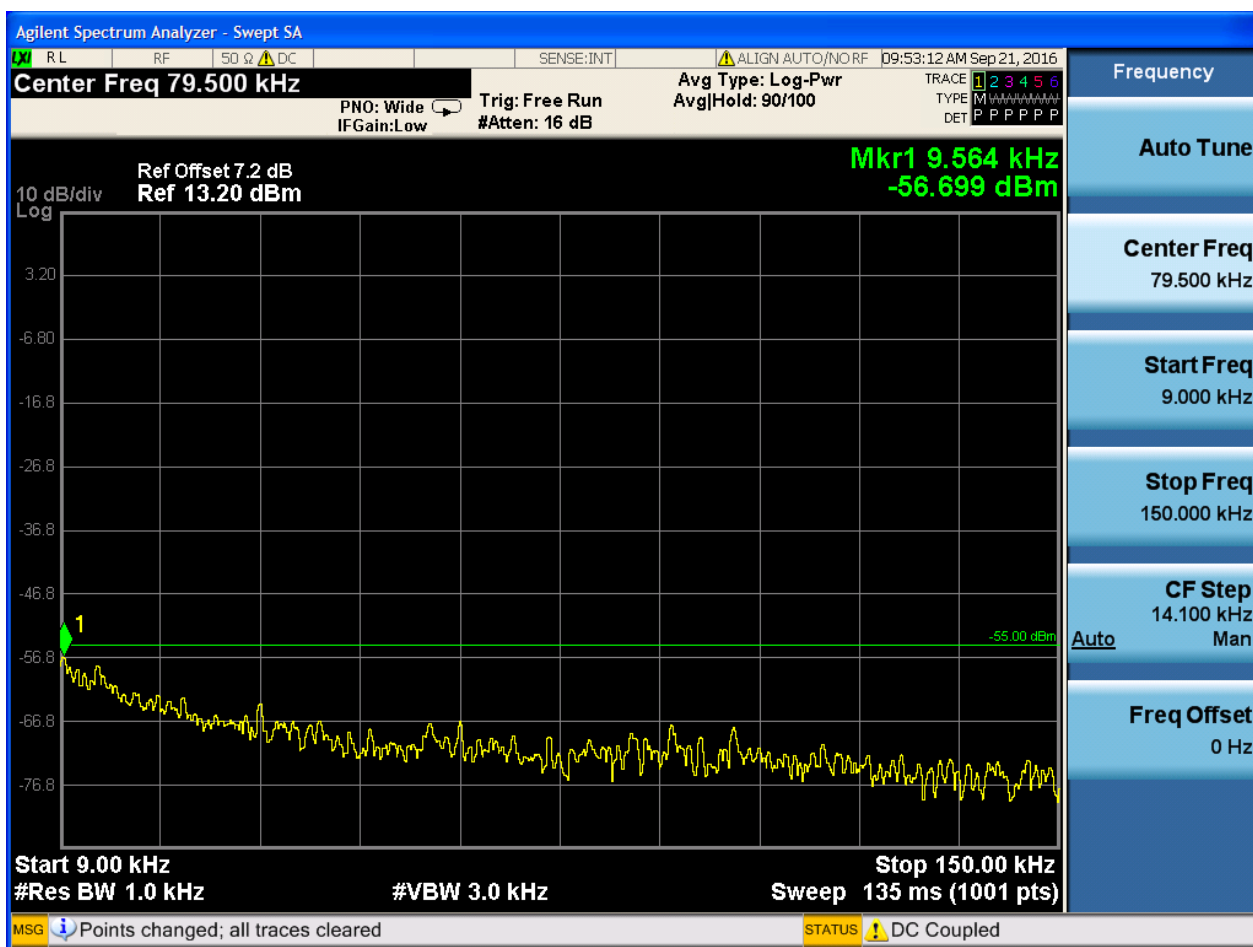


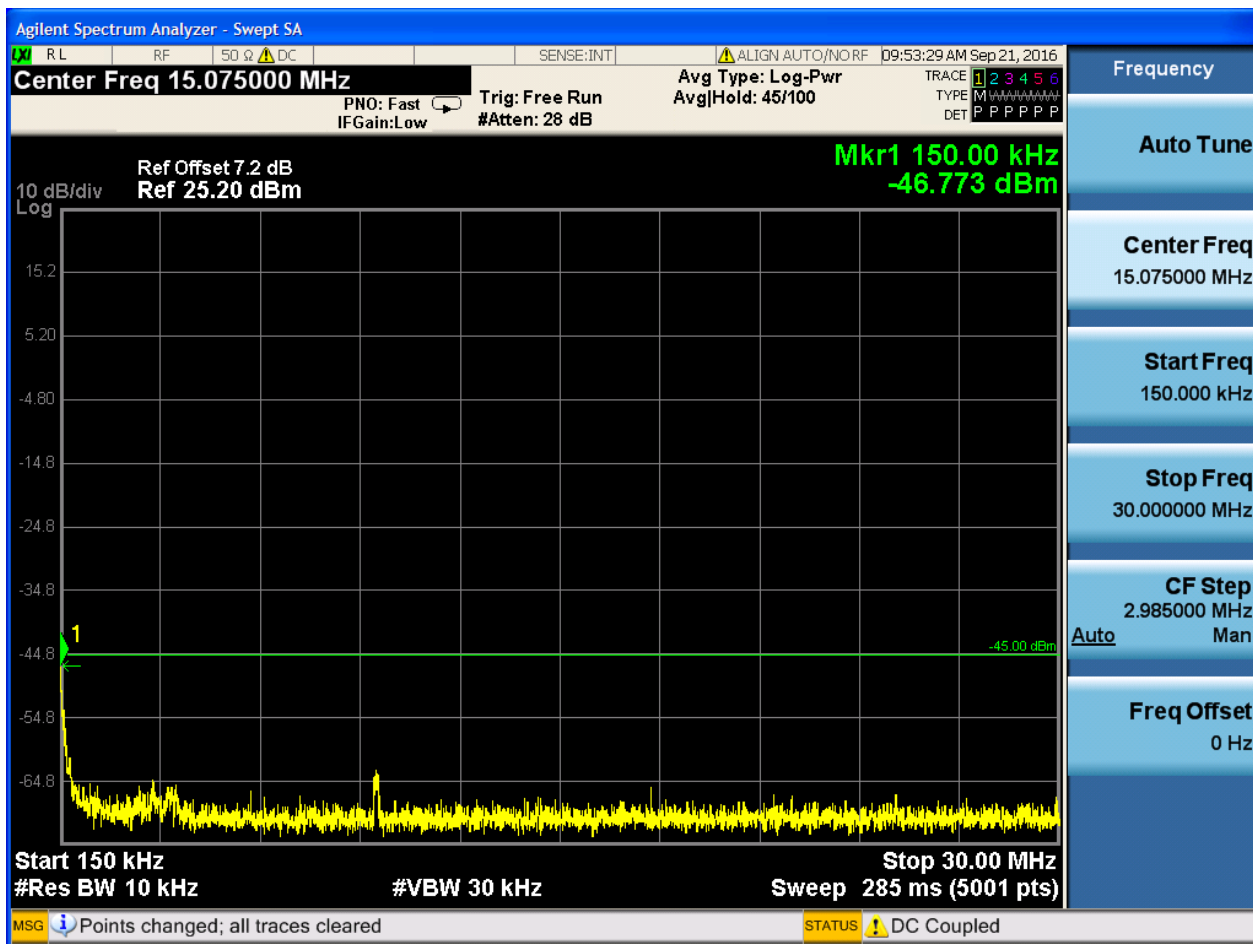


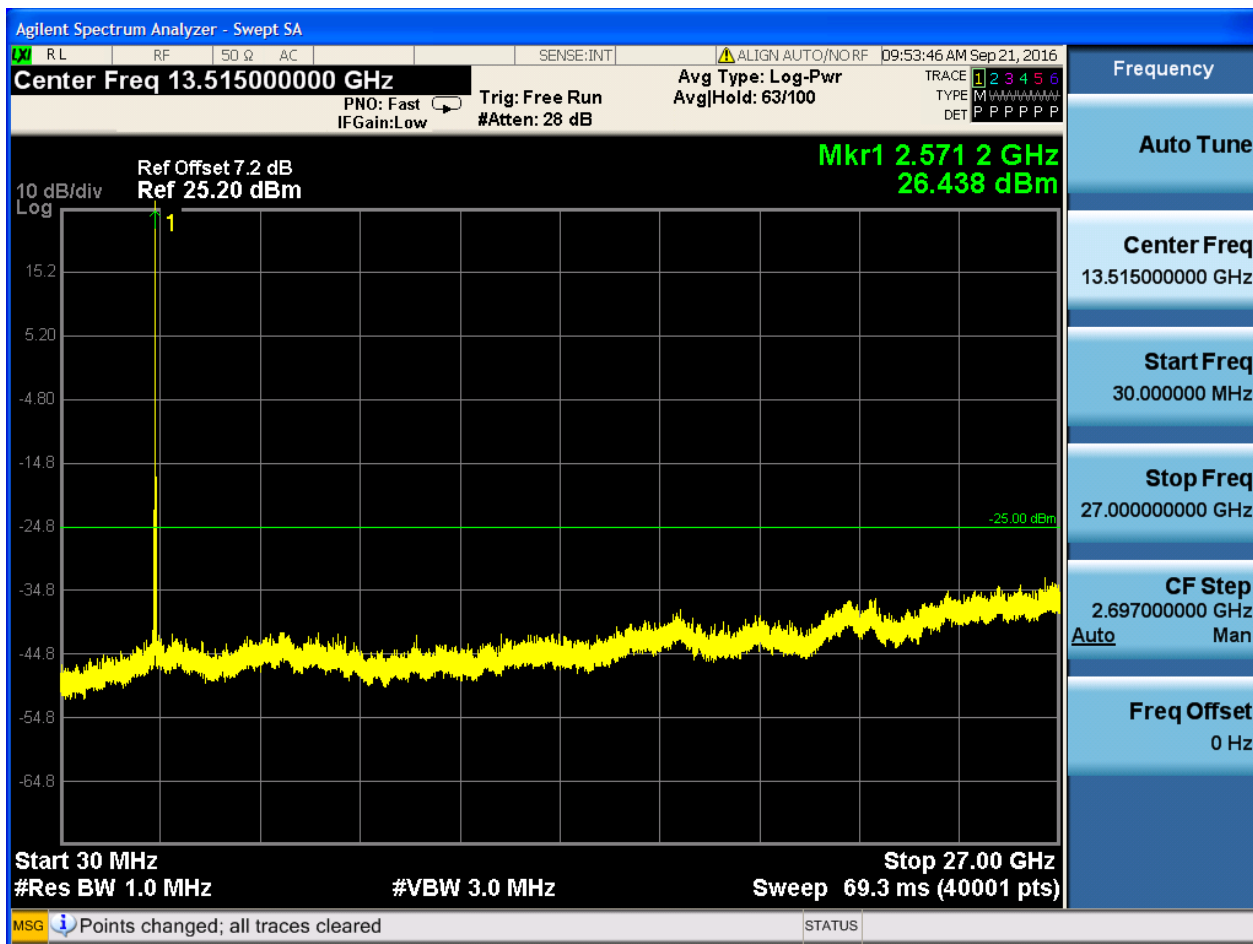
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



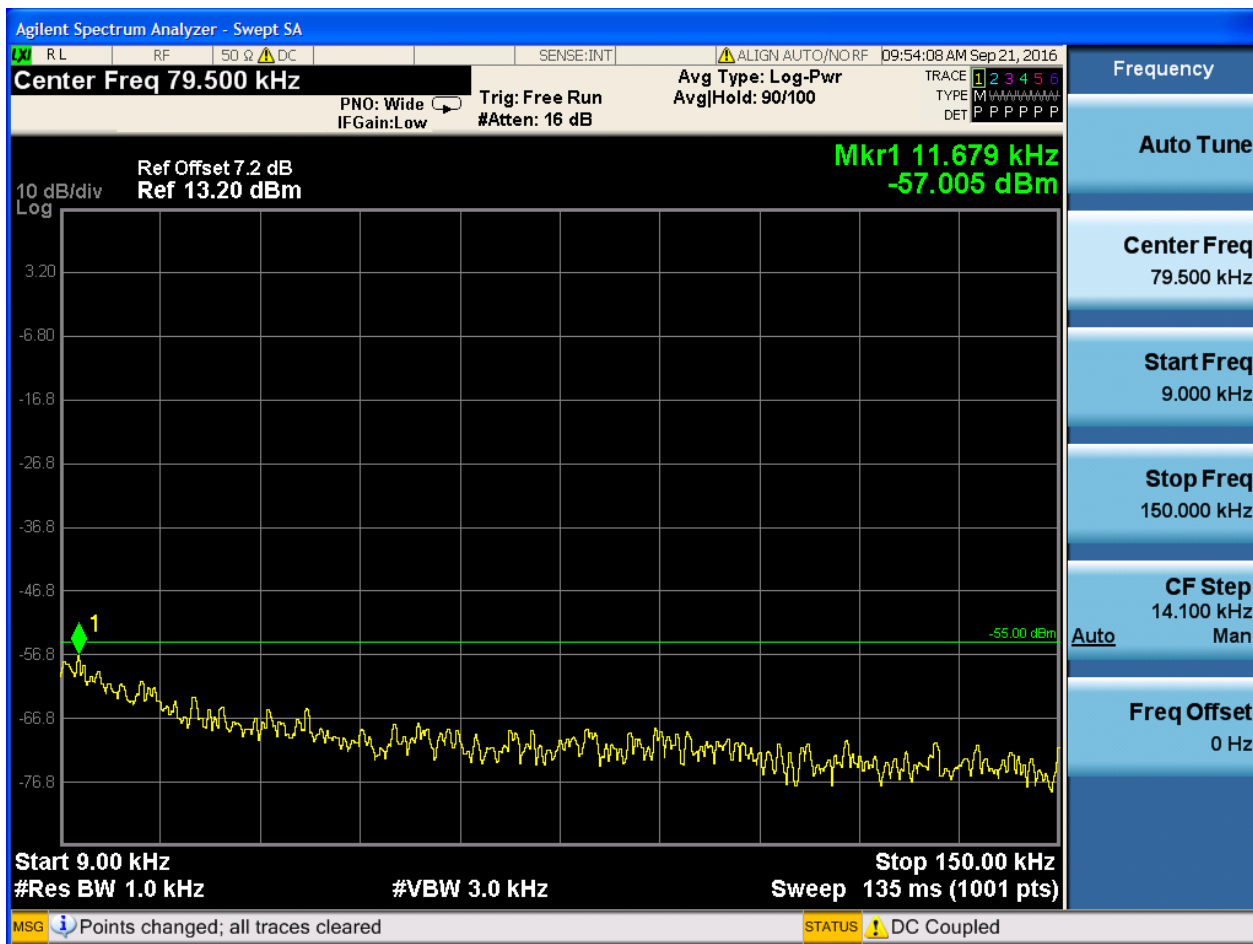




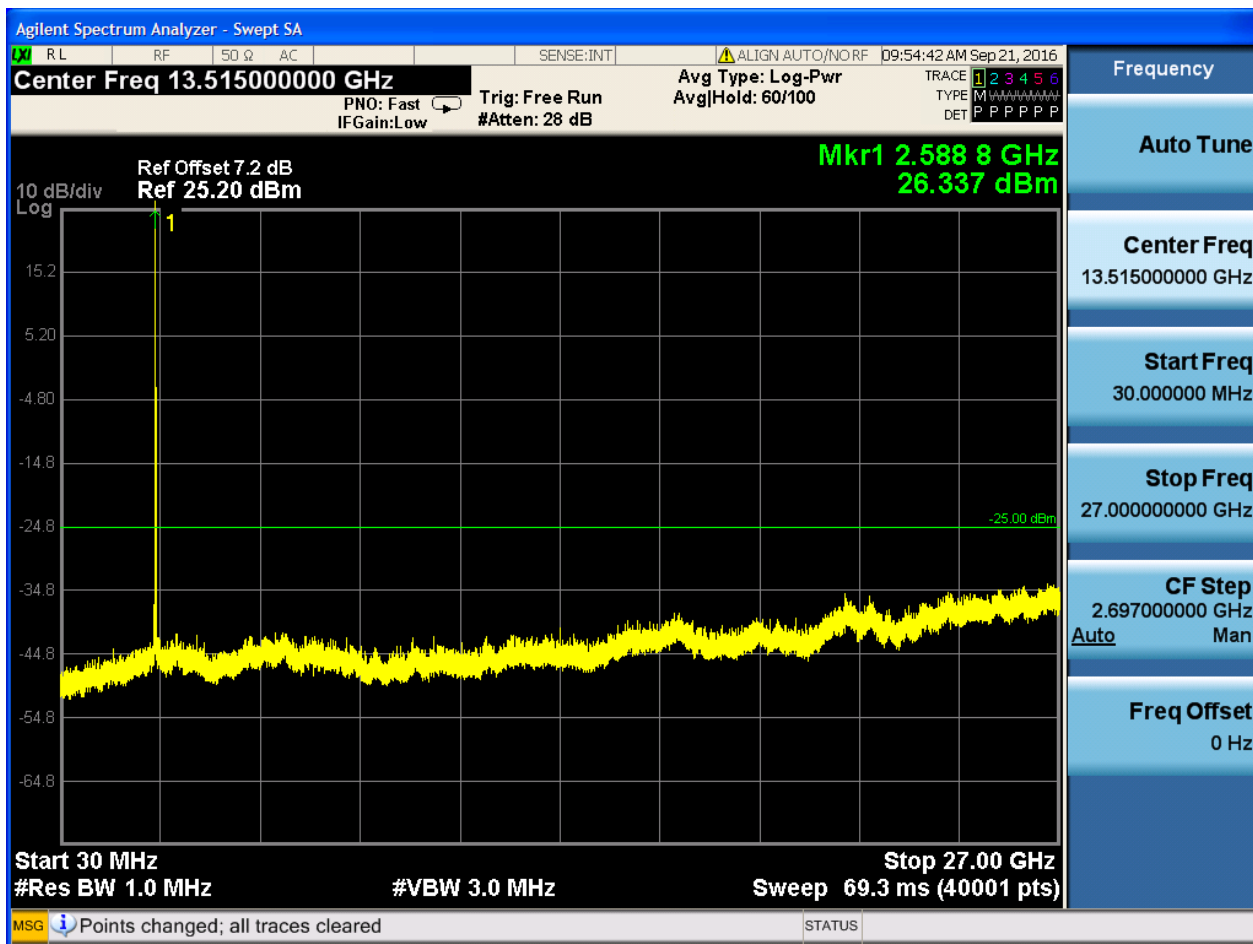


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



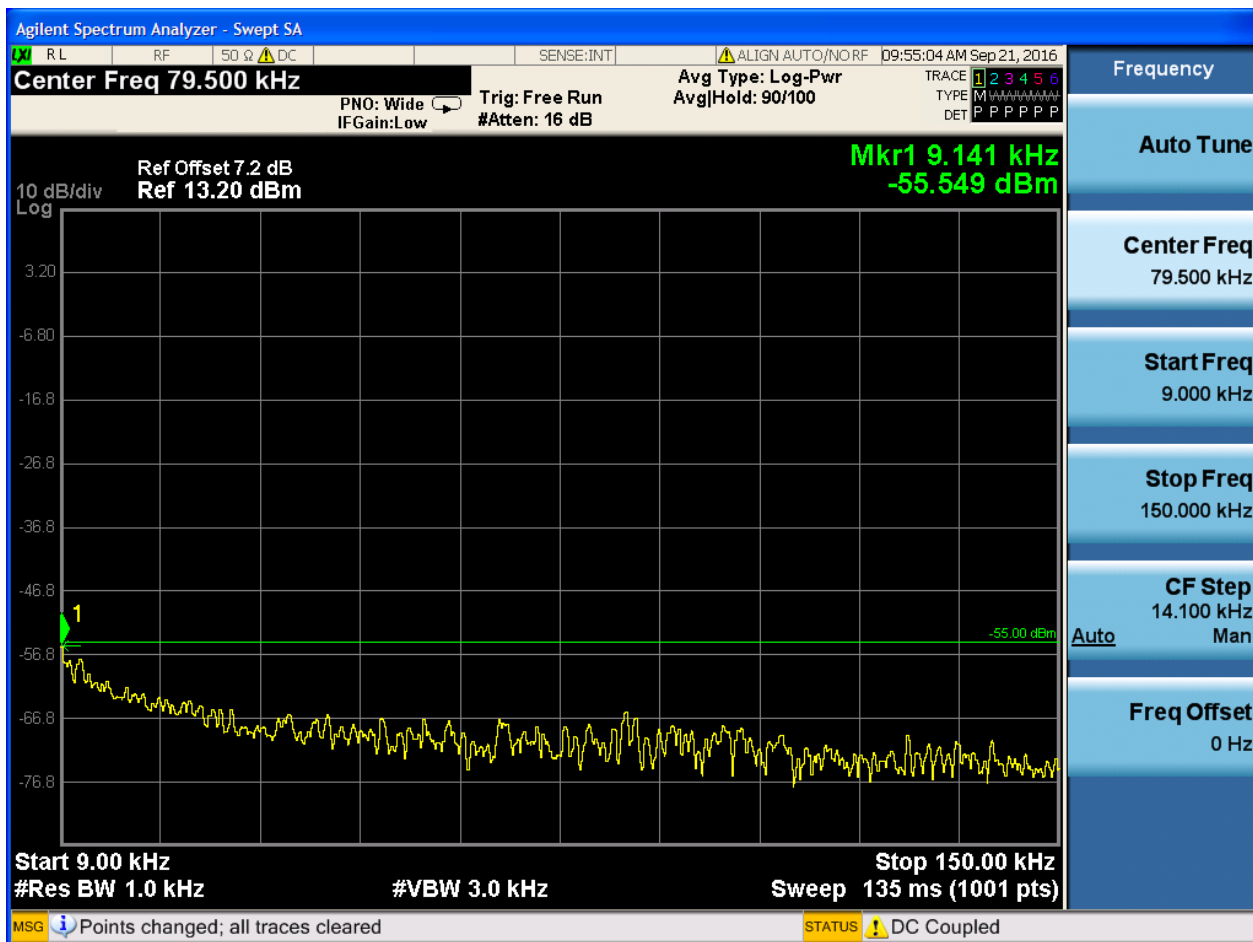


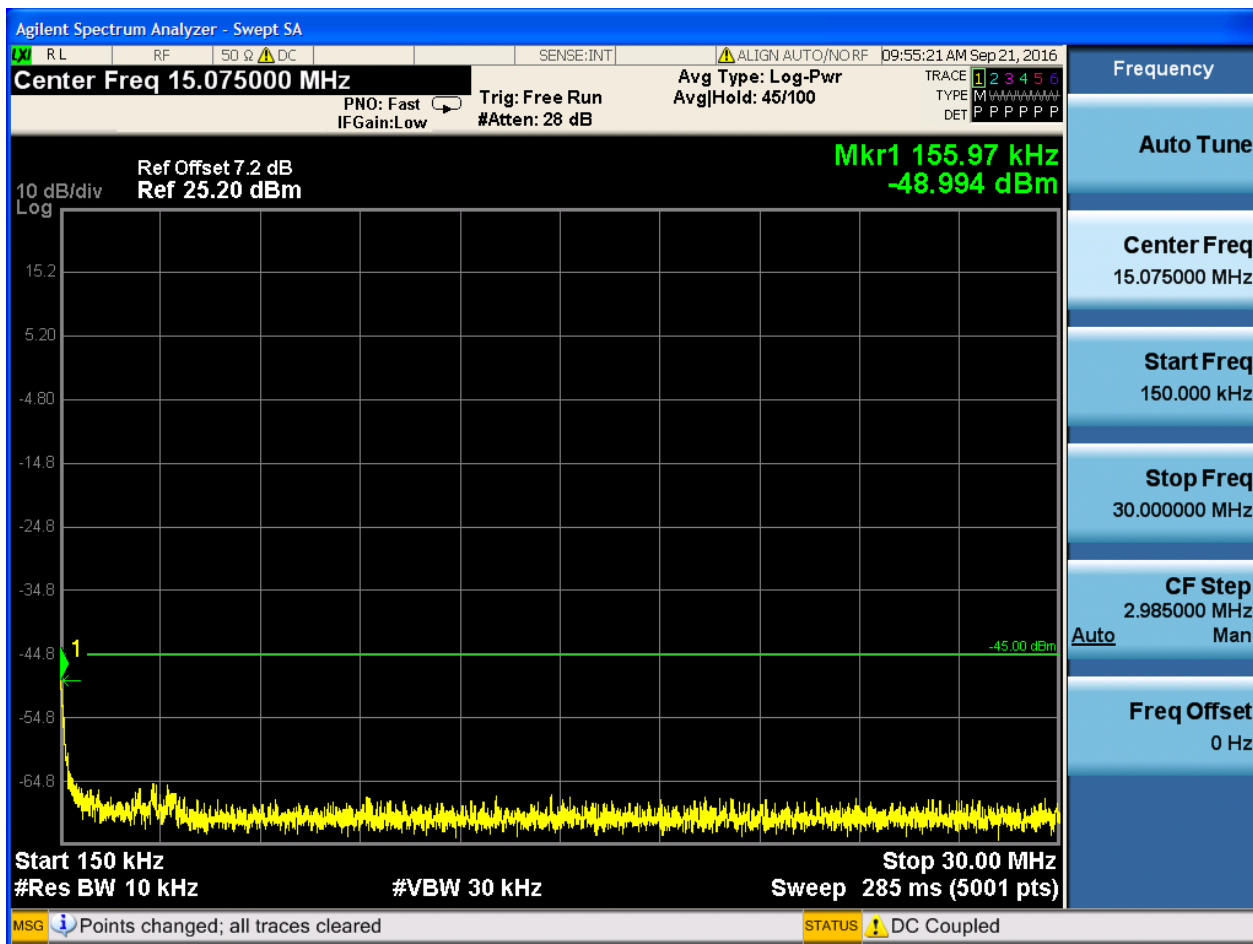




6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



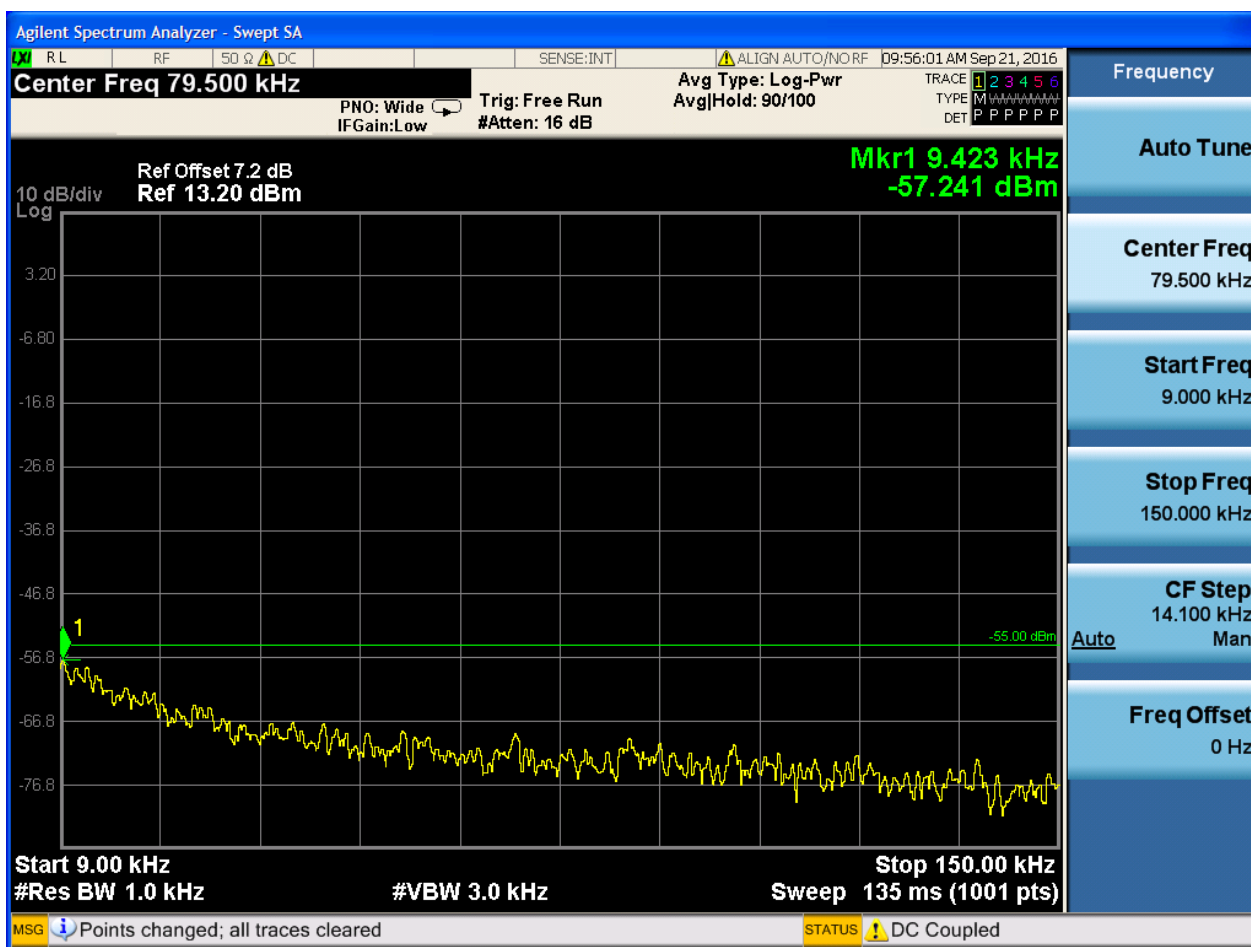




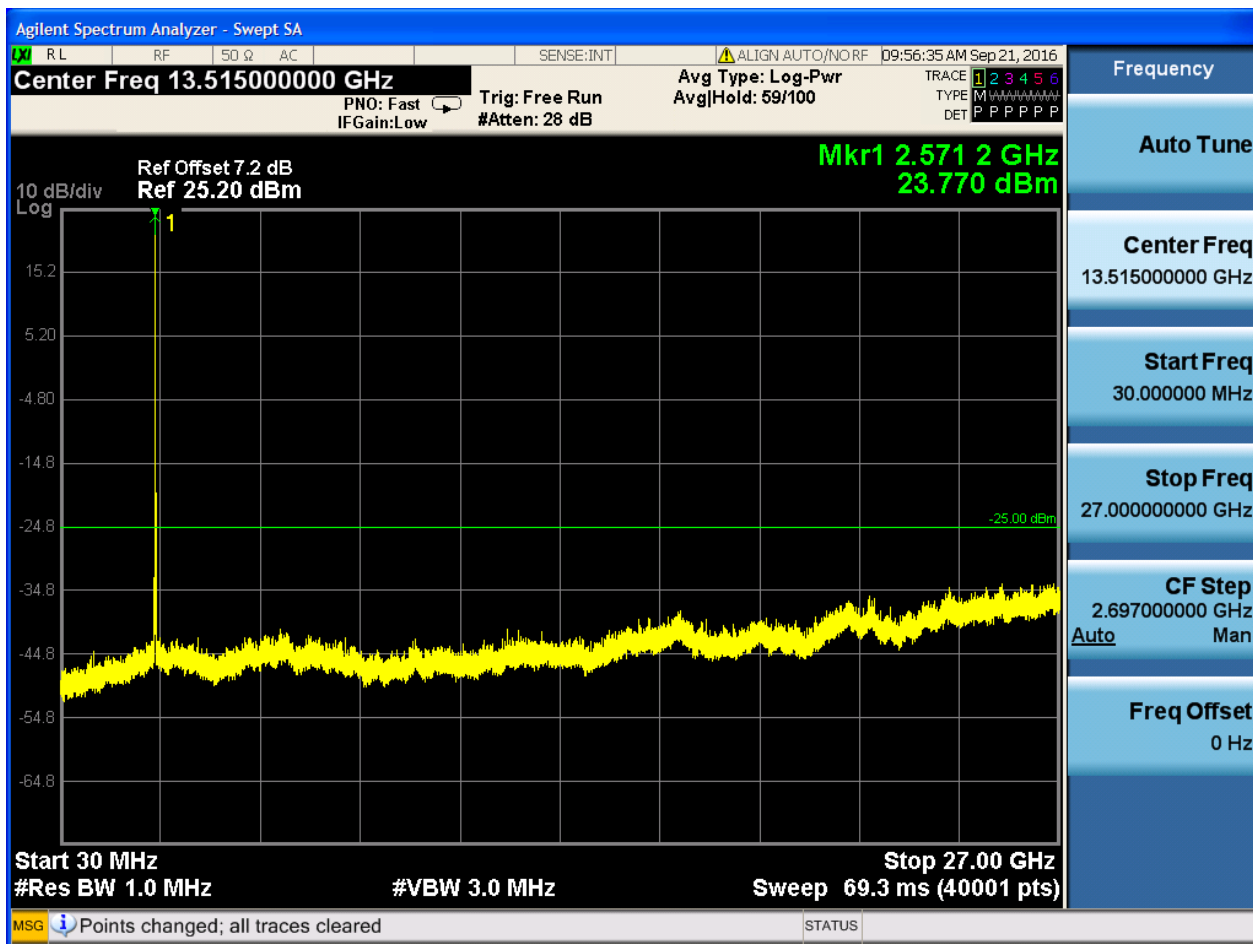
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

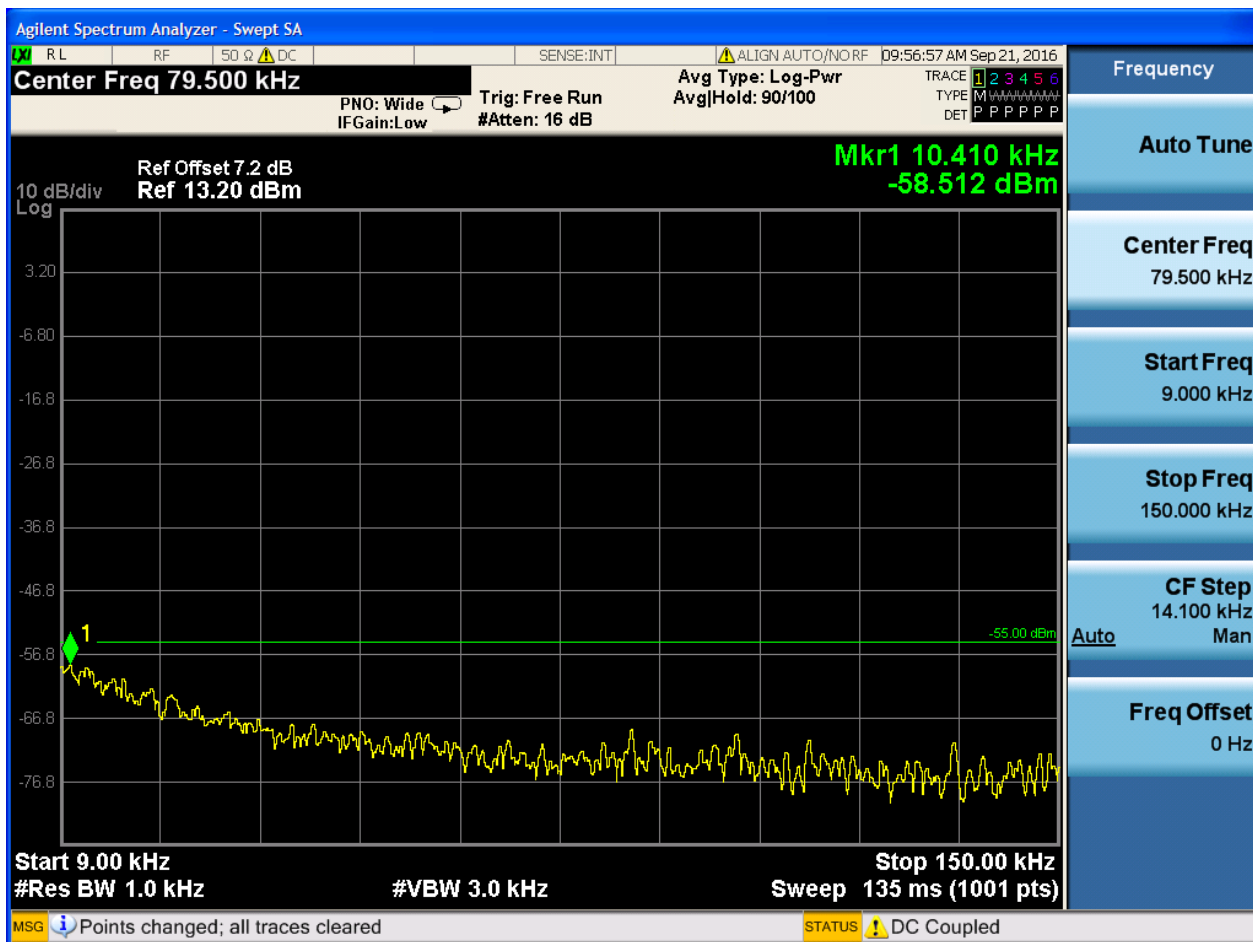


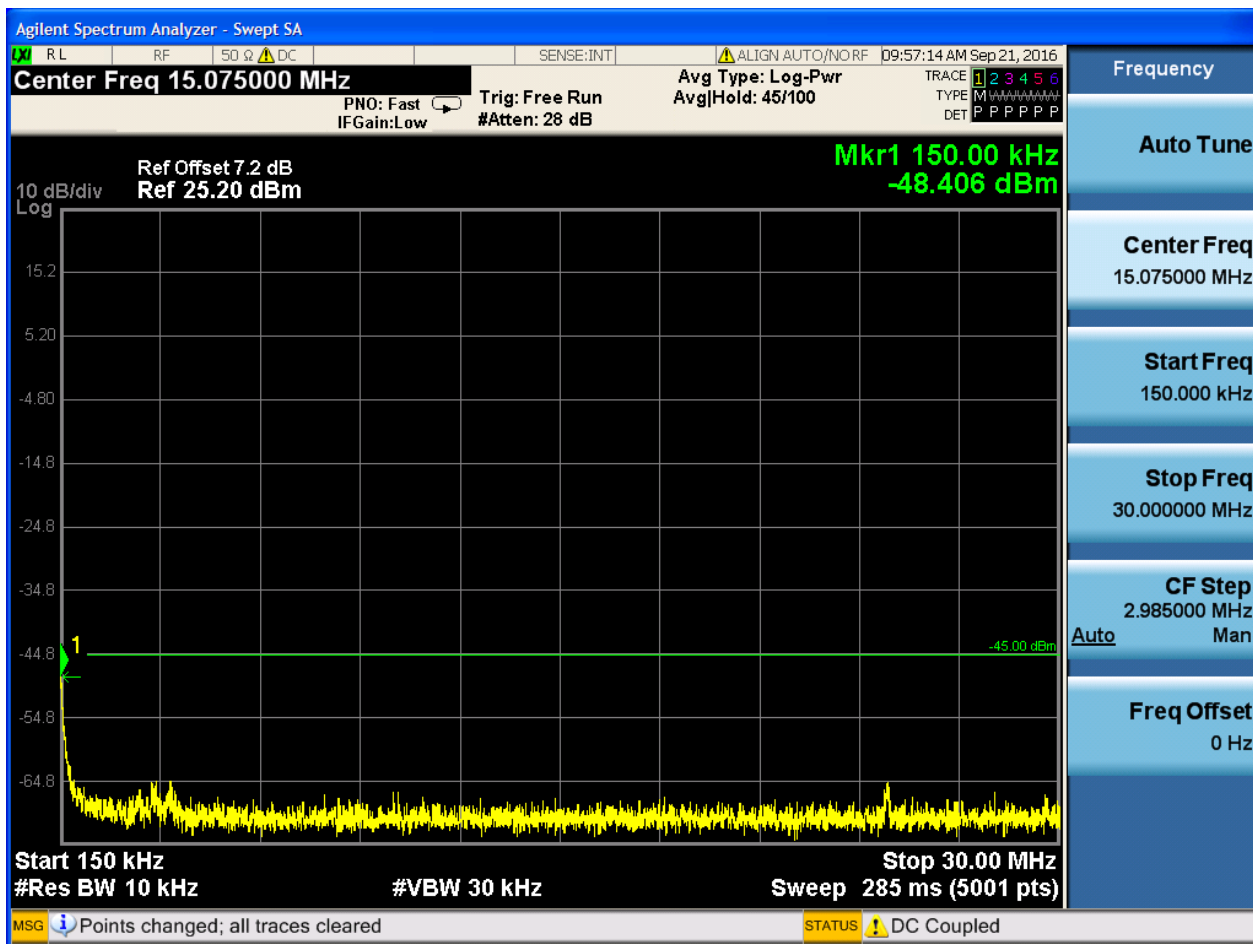




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



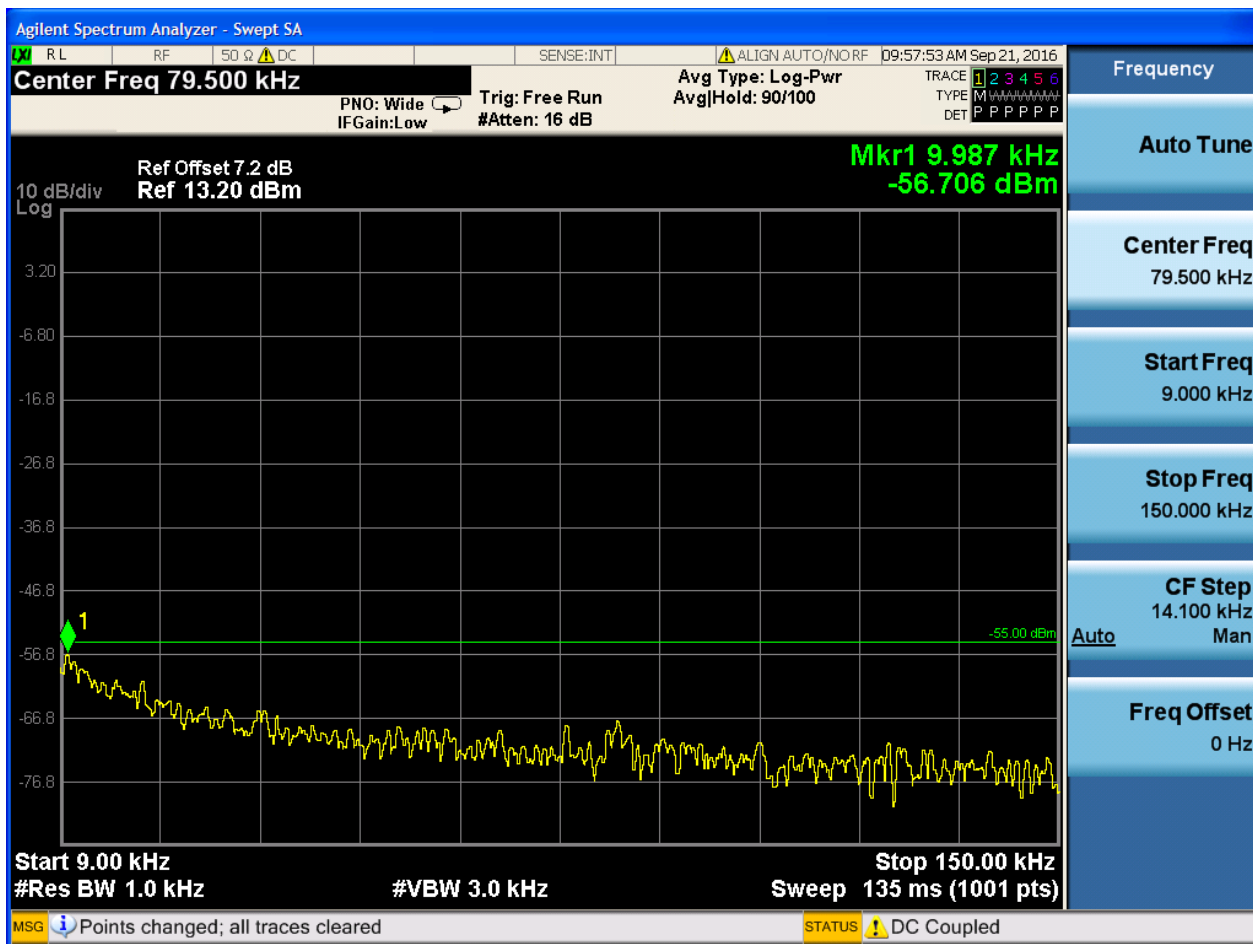




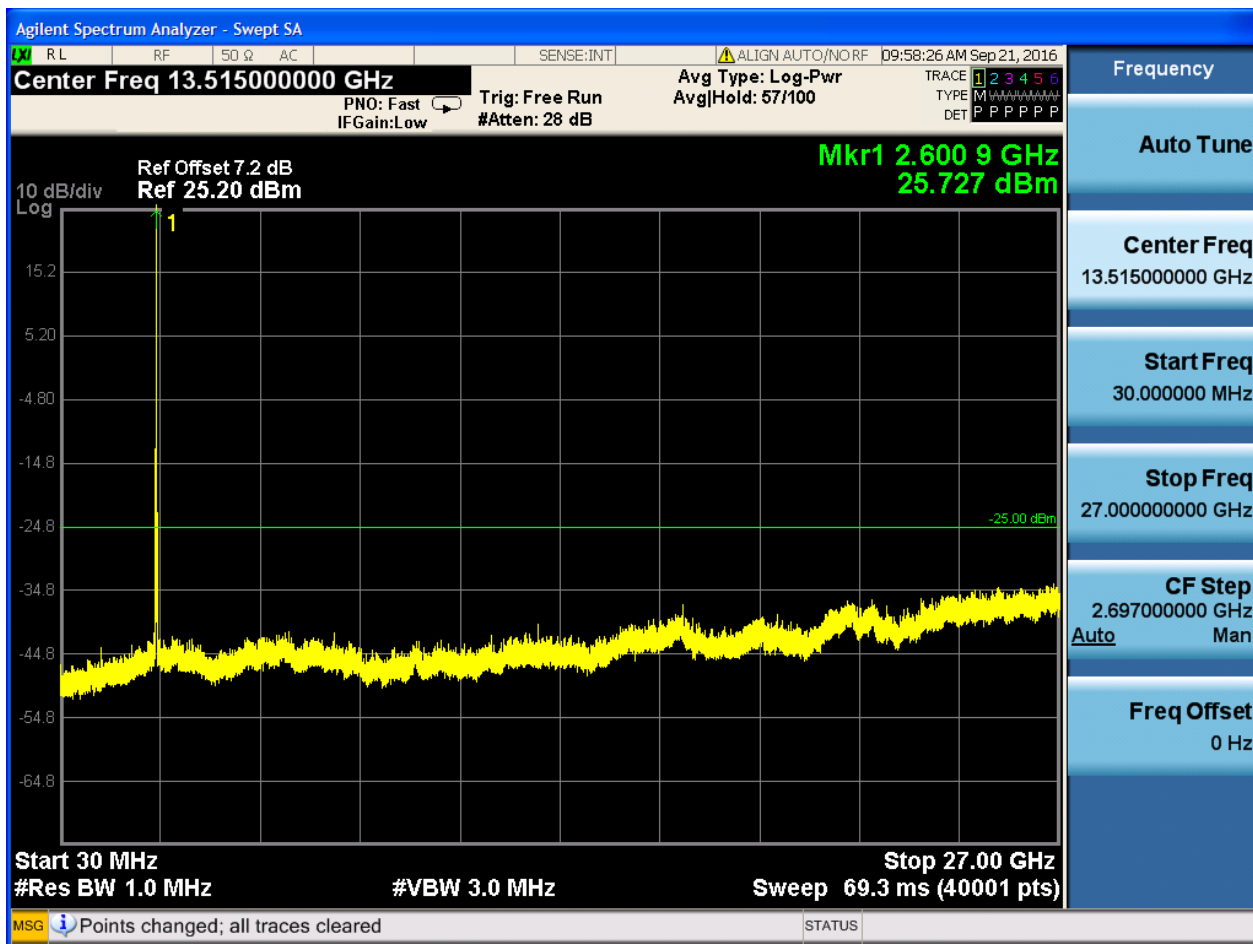


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





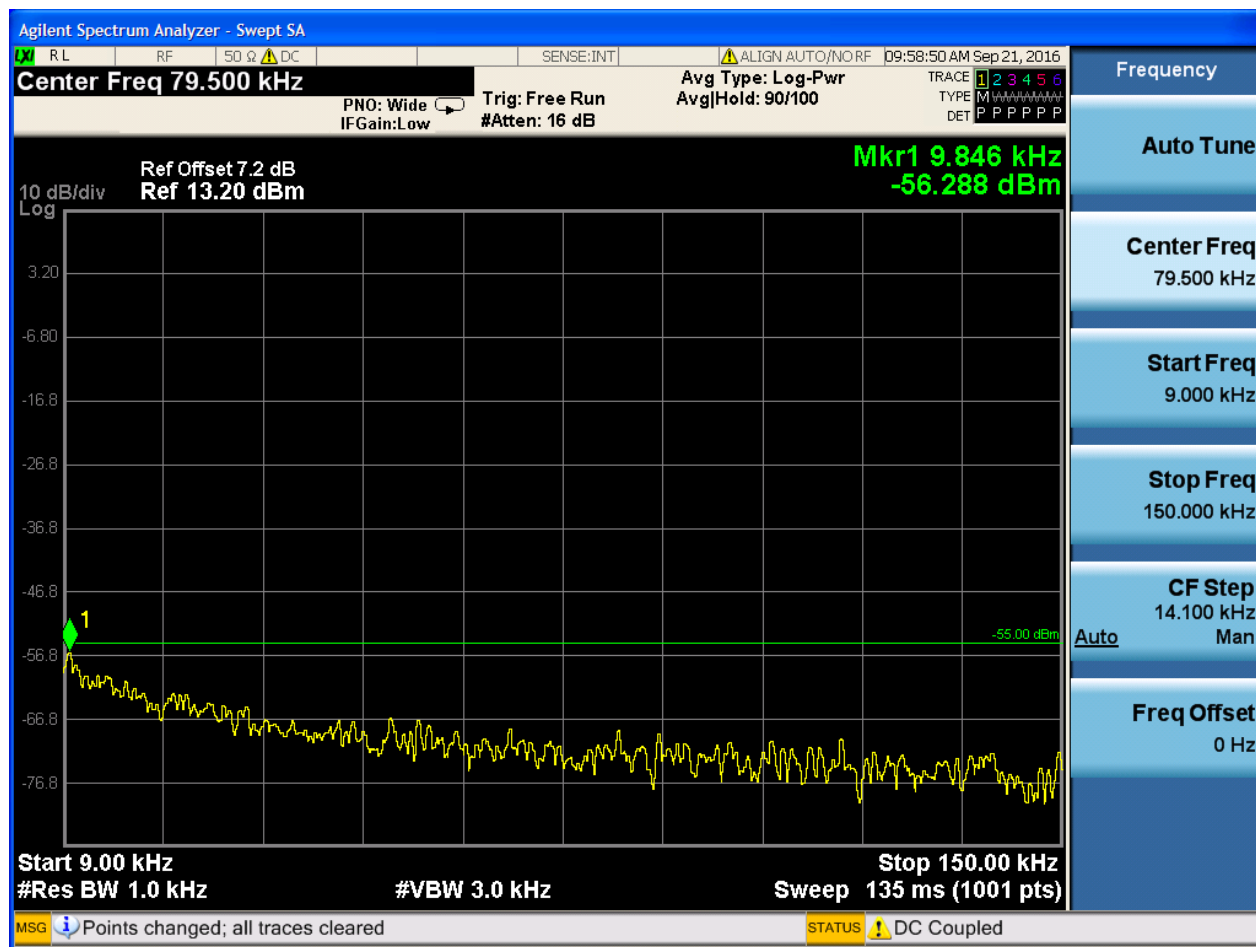


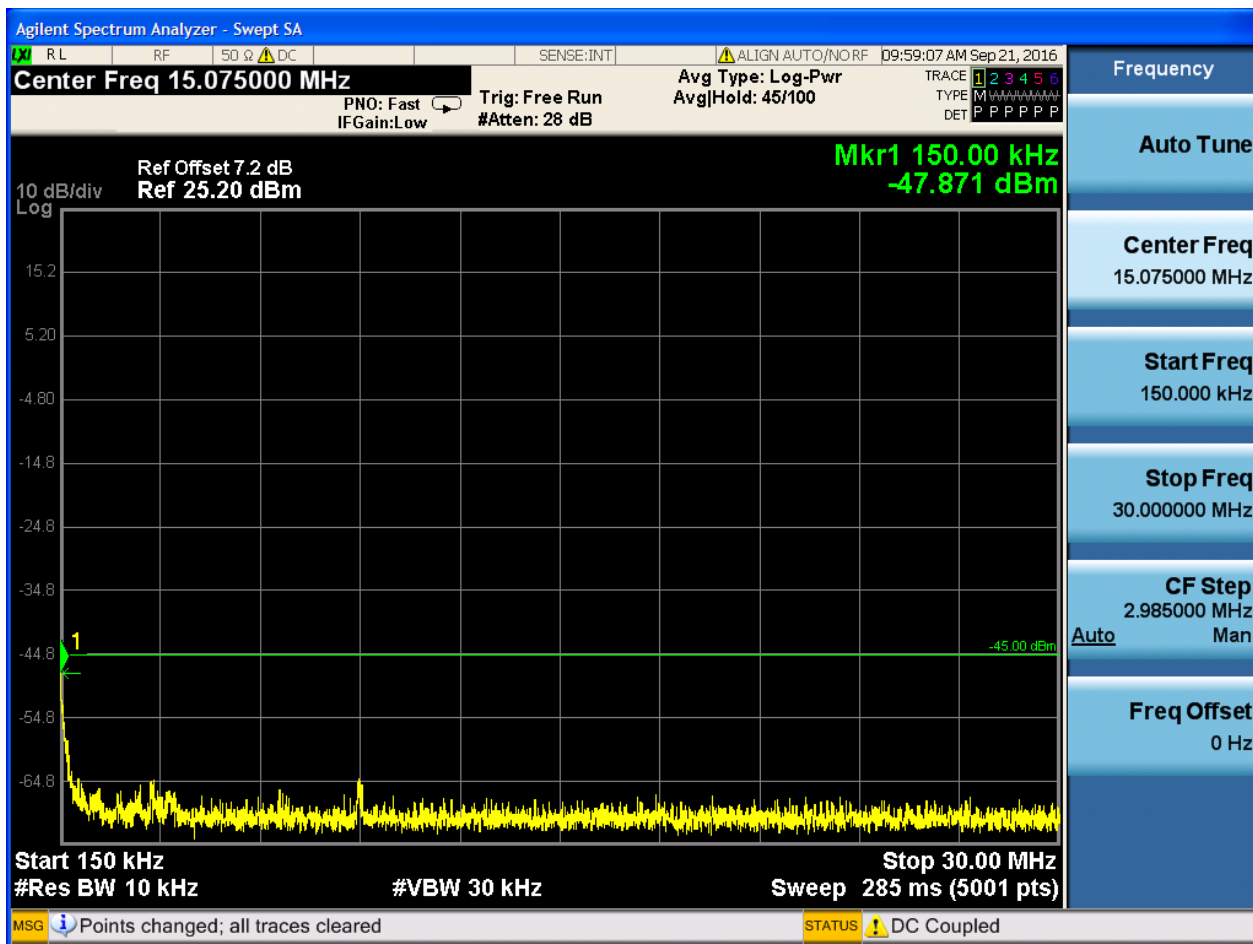
6.1.1.2 Test Mode = LTE/TM2

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

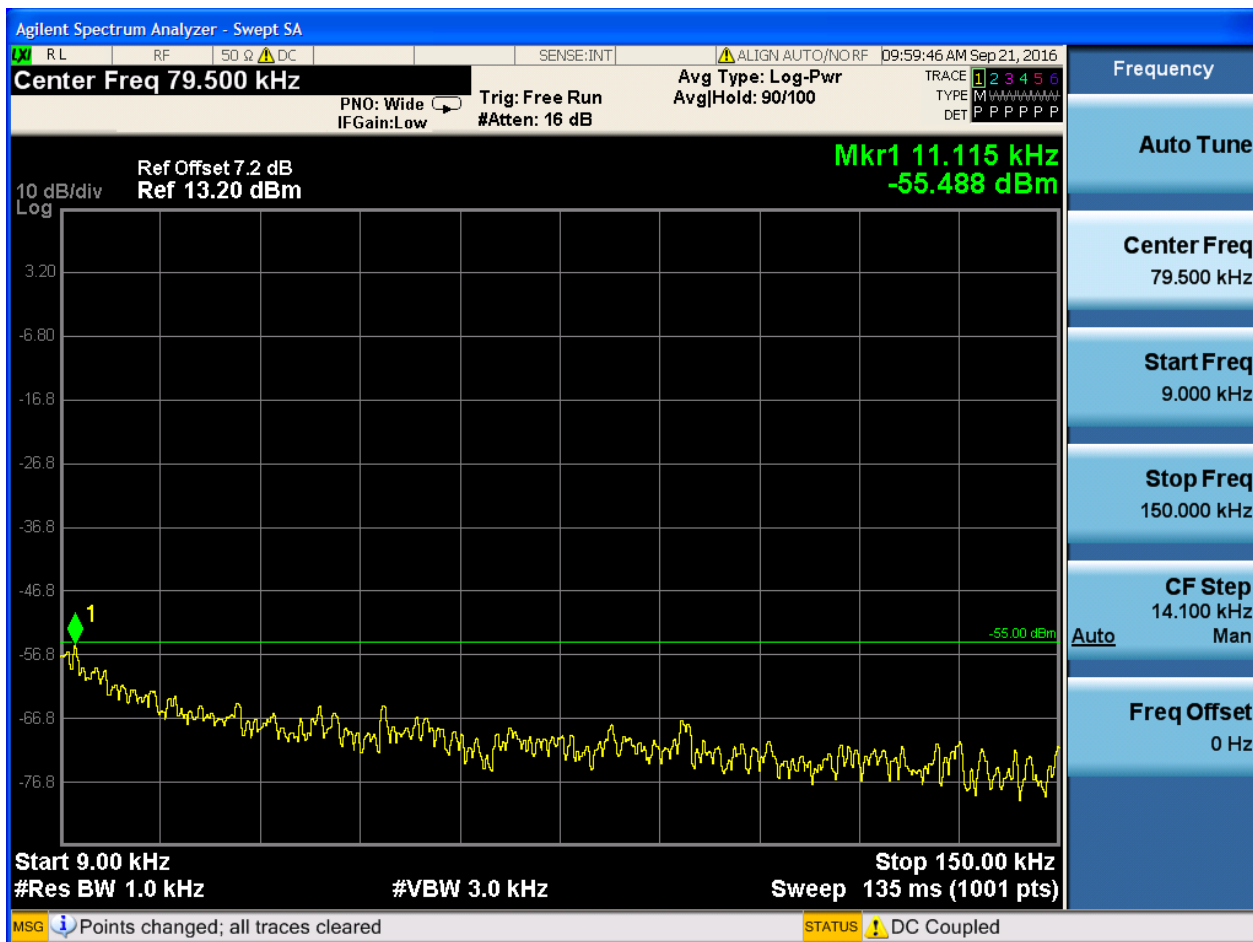




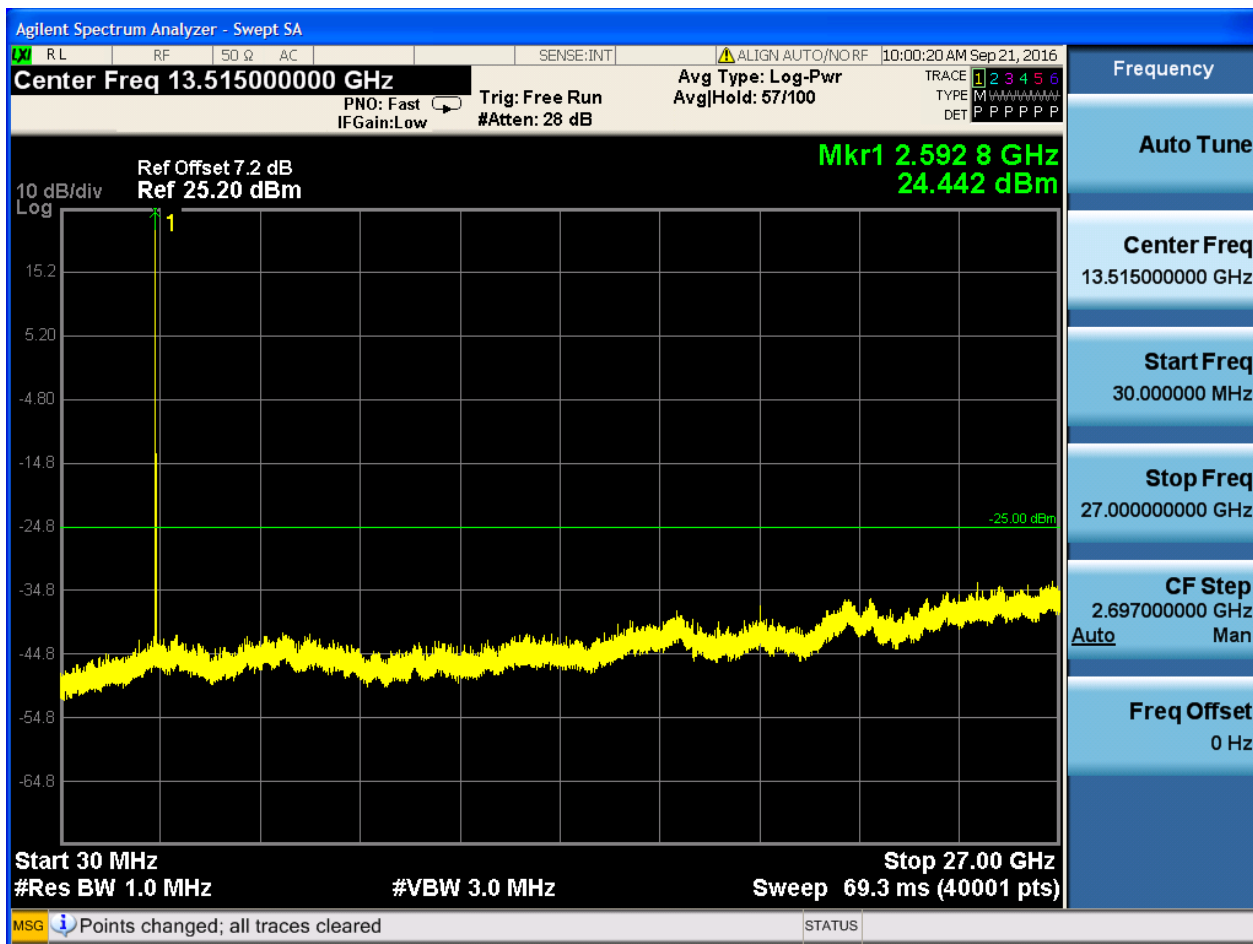


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



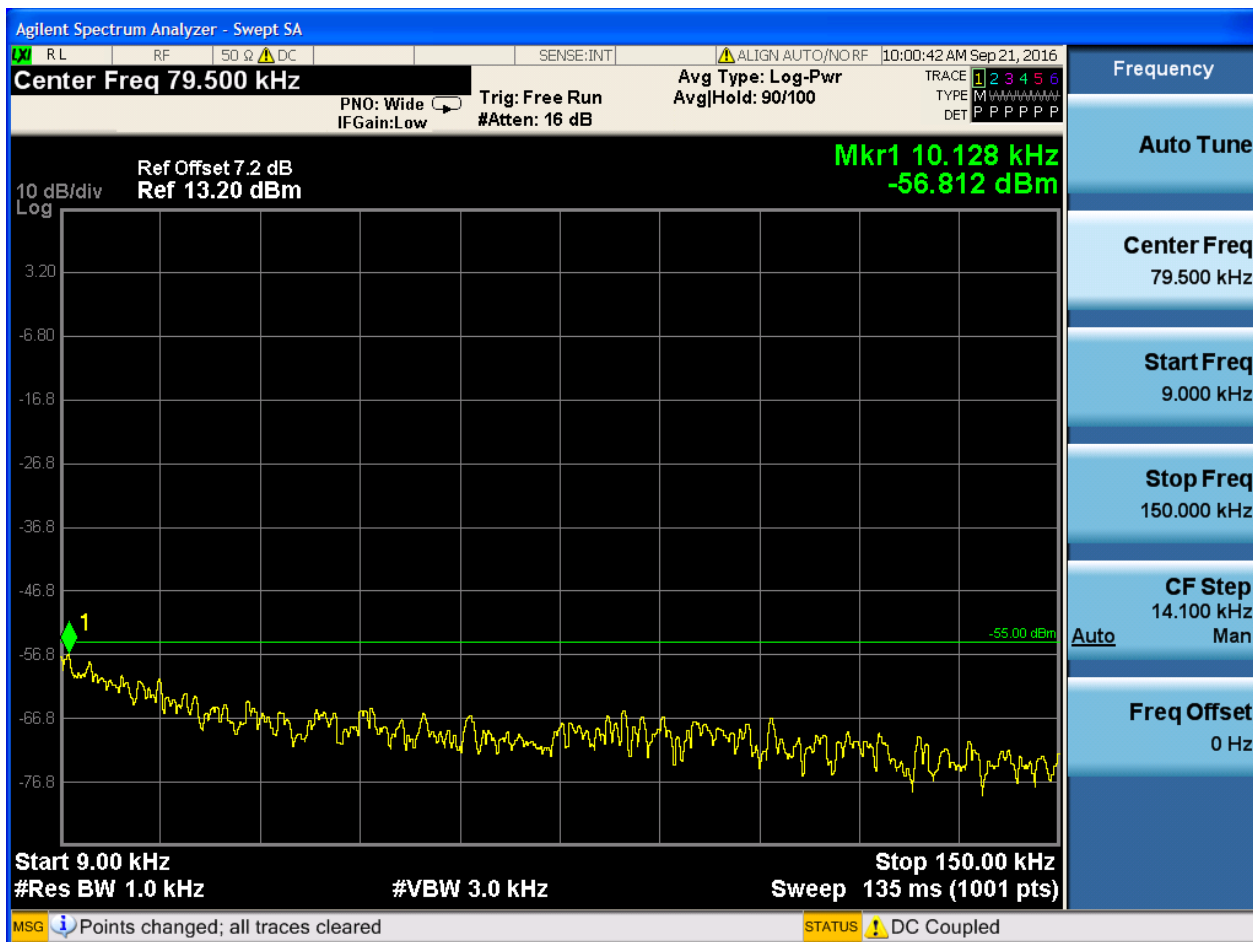


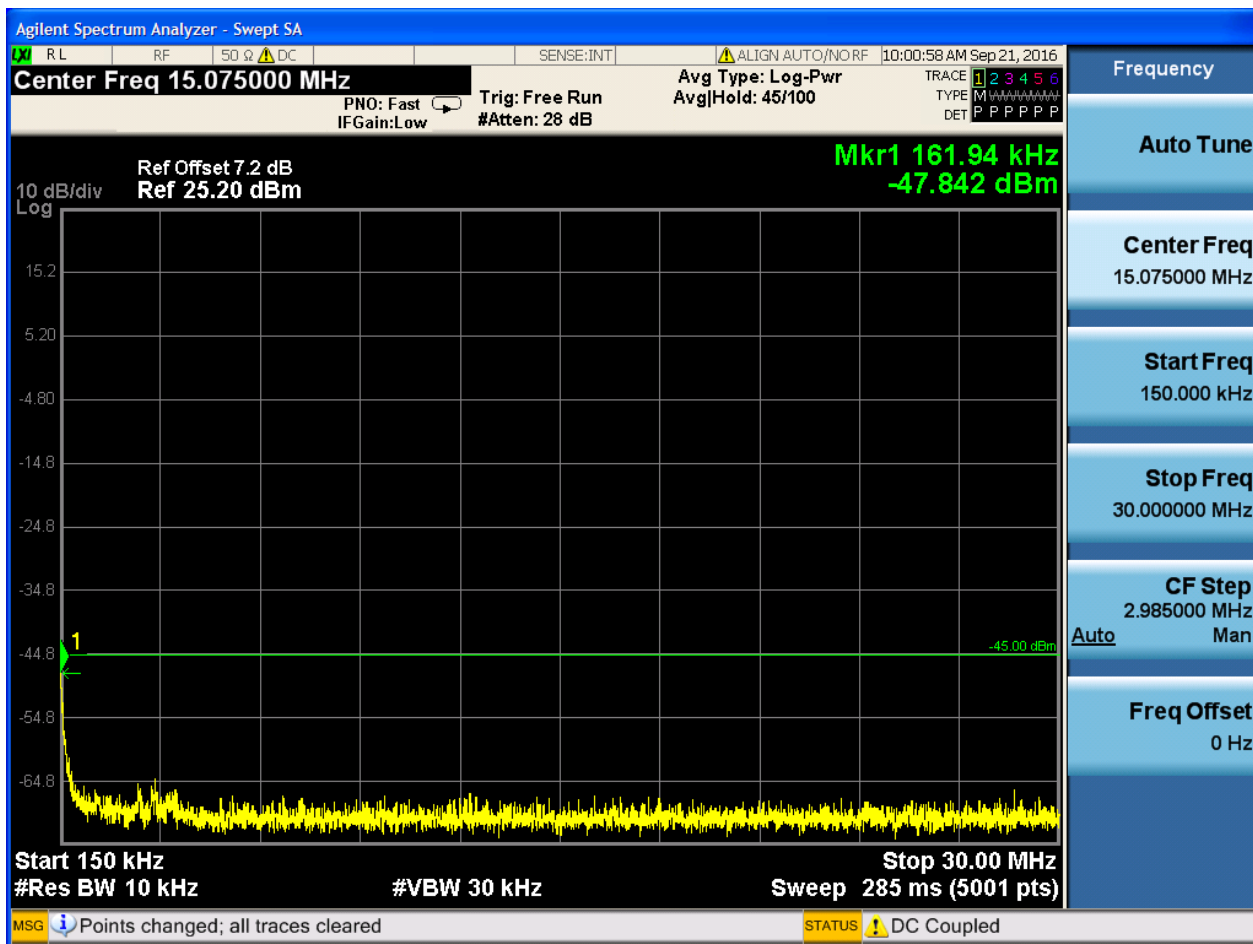


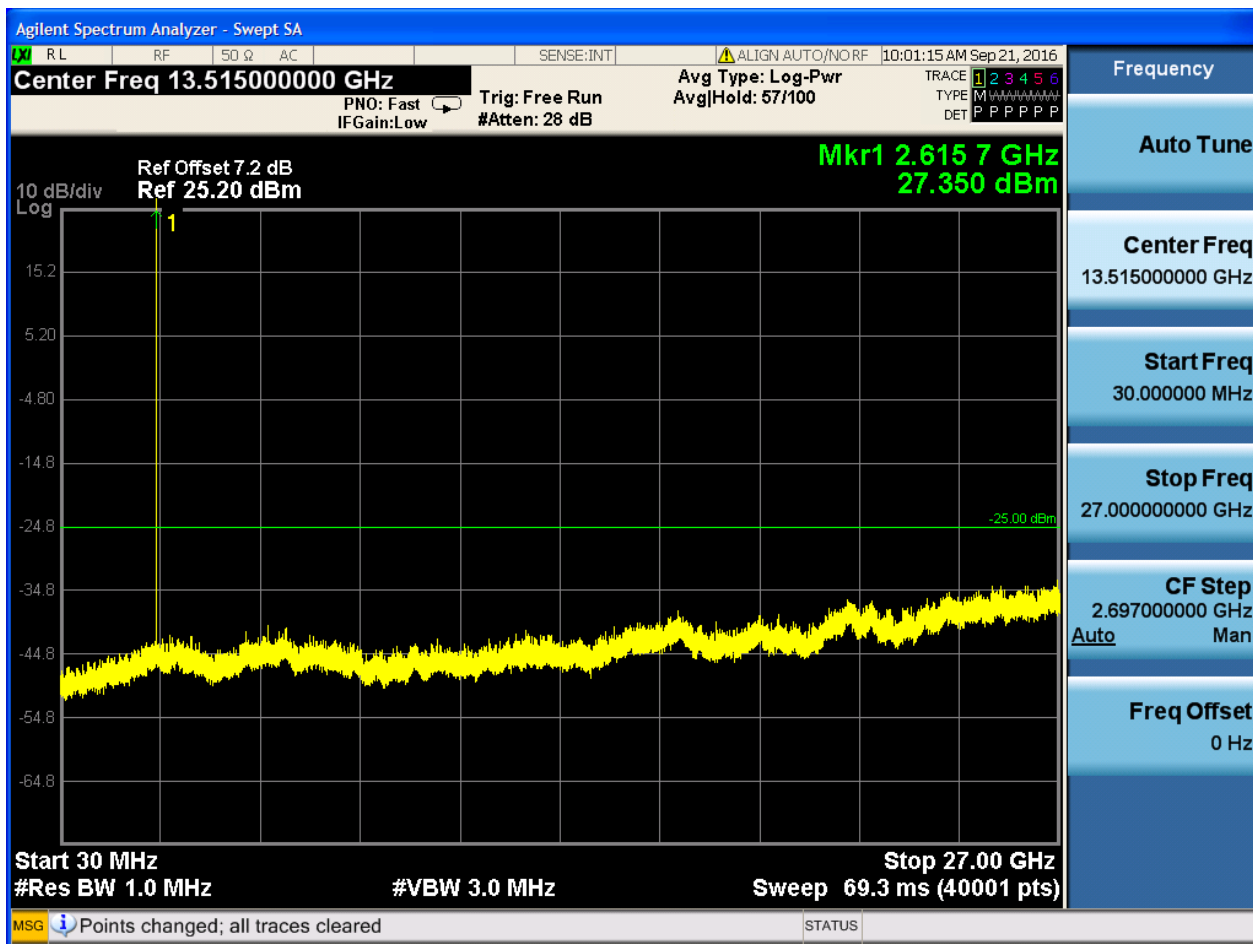


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



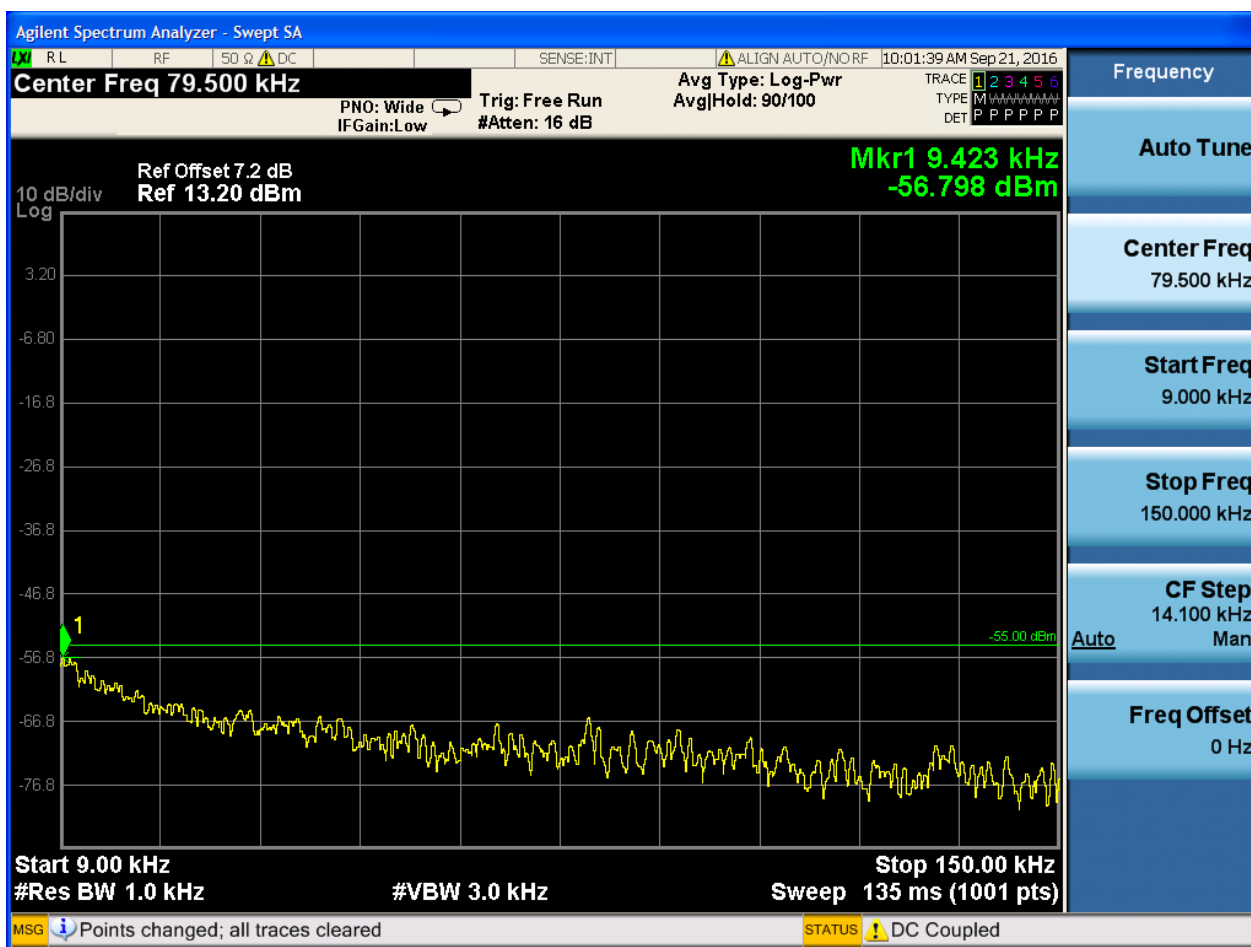


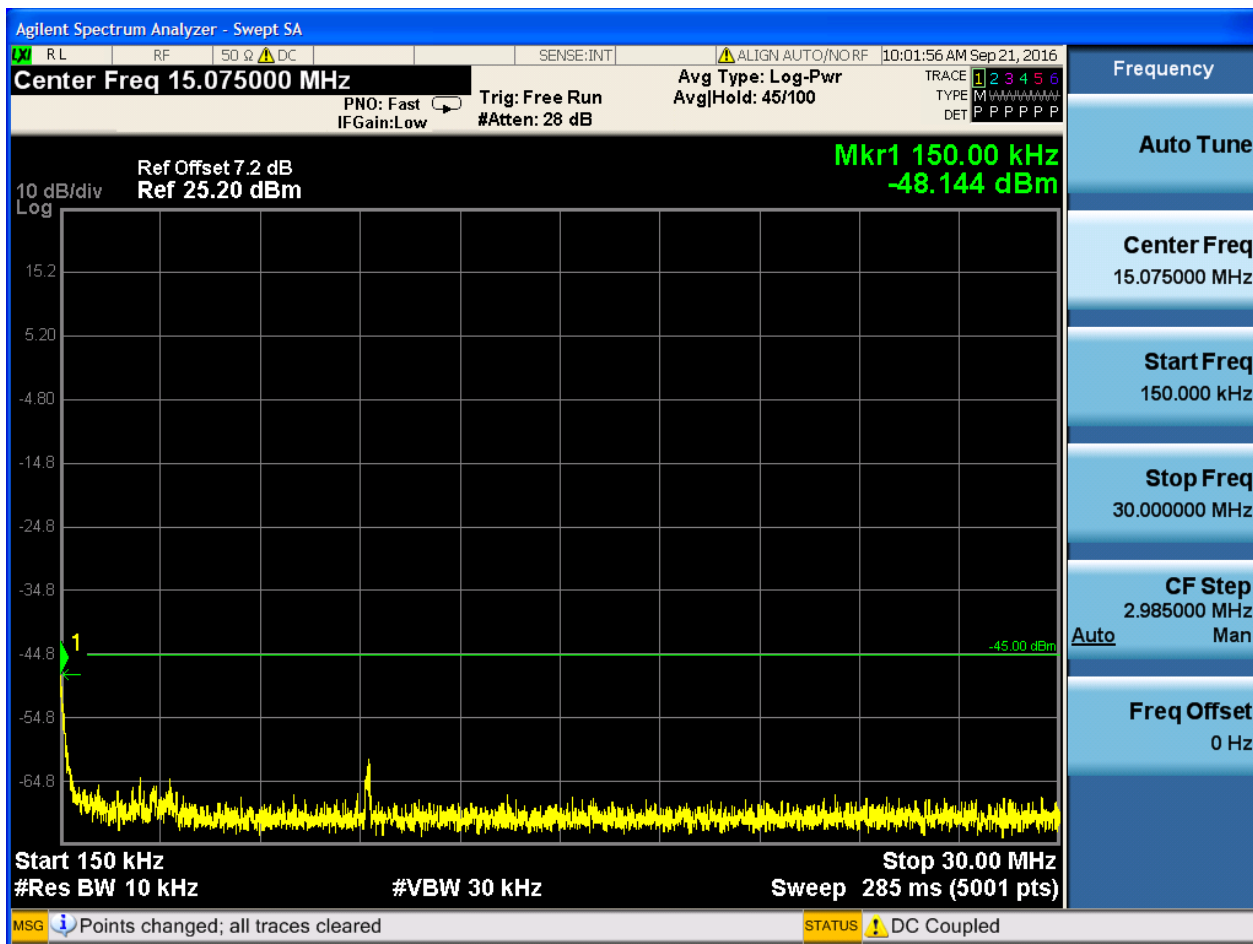


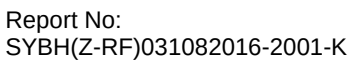
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



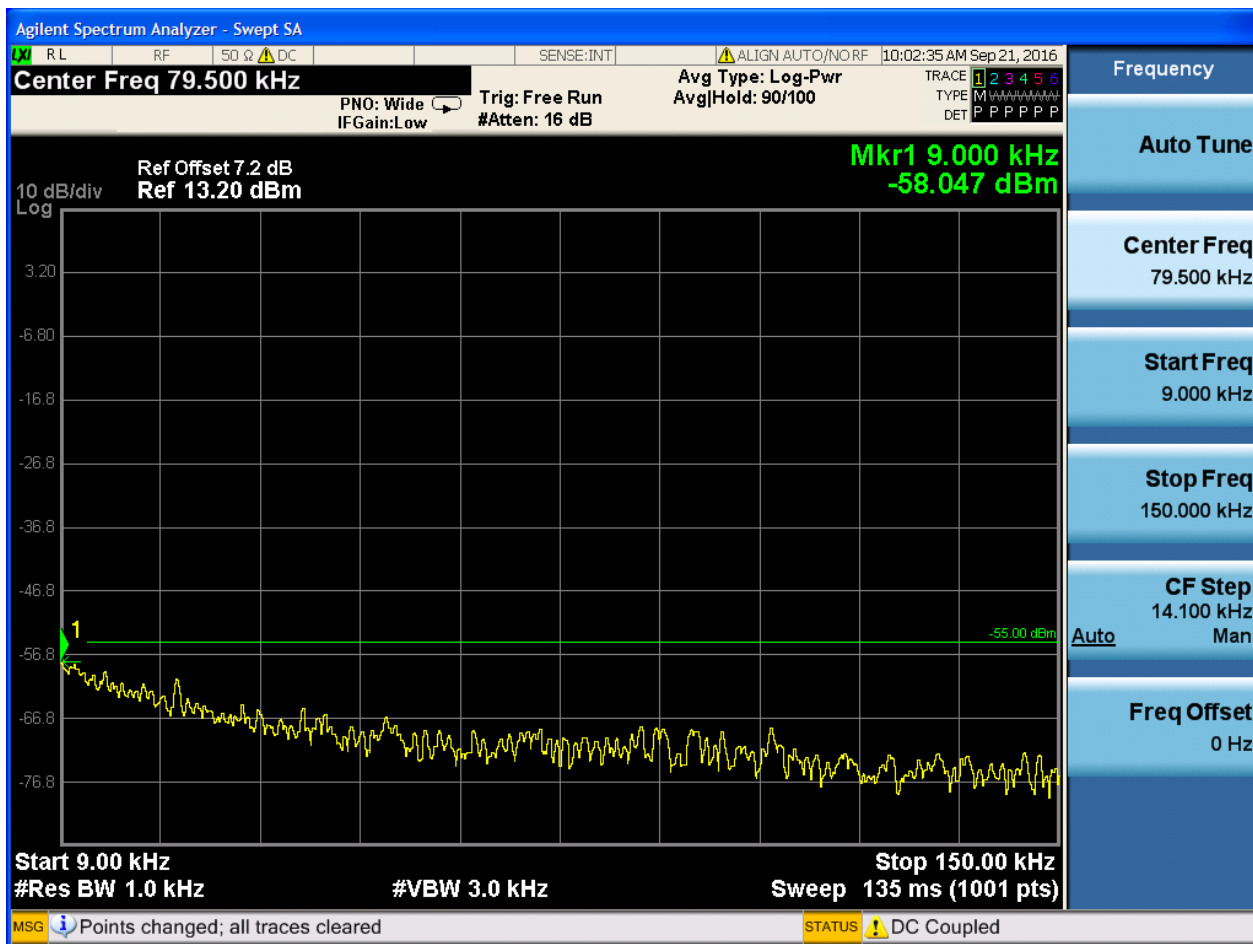


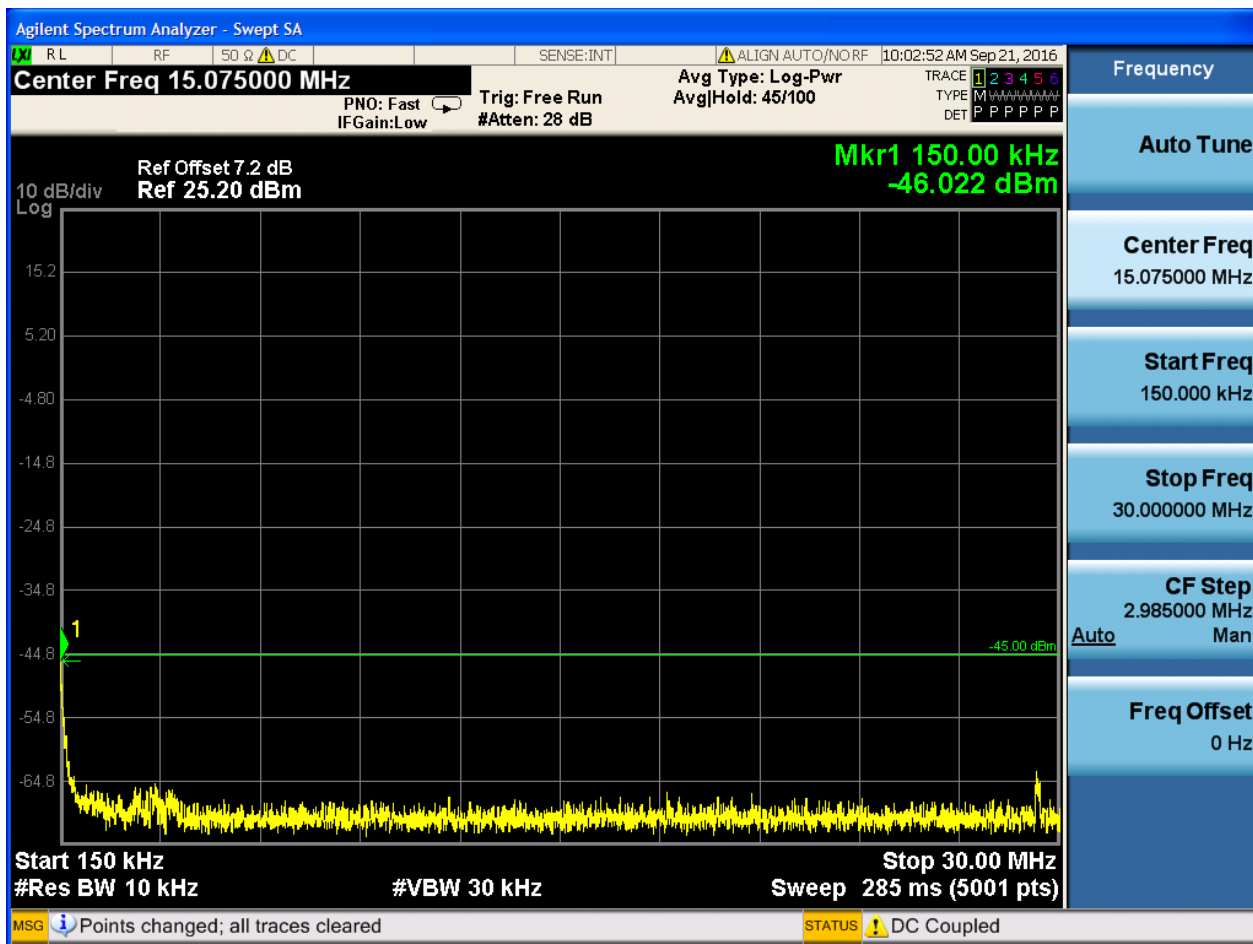


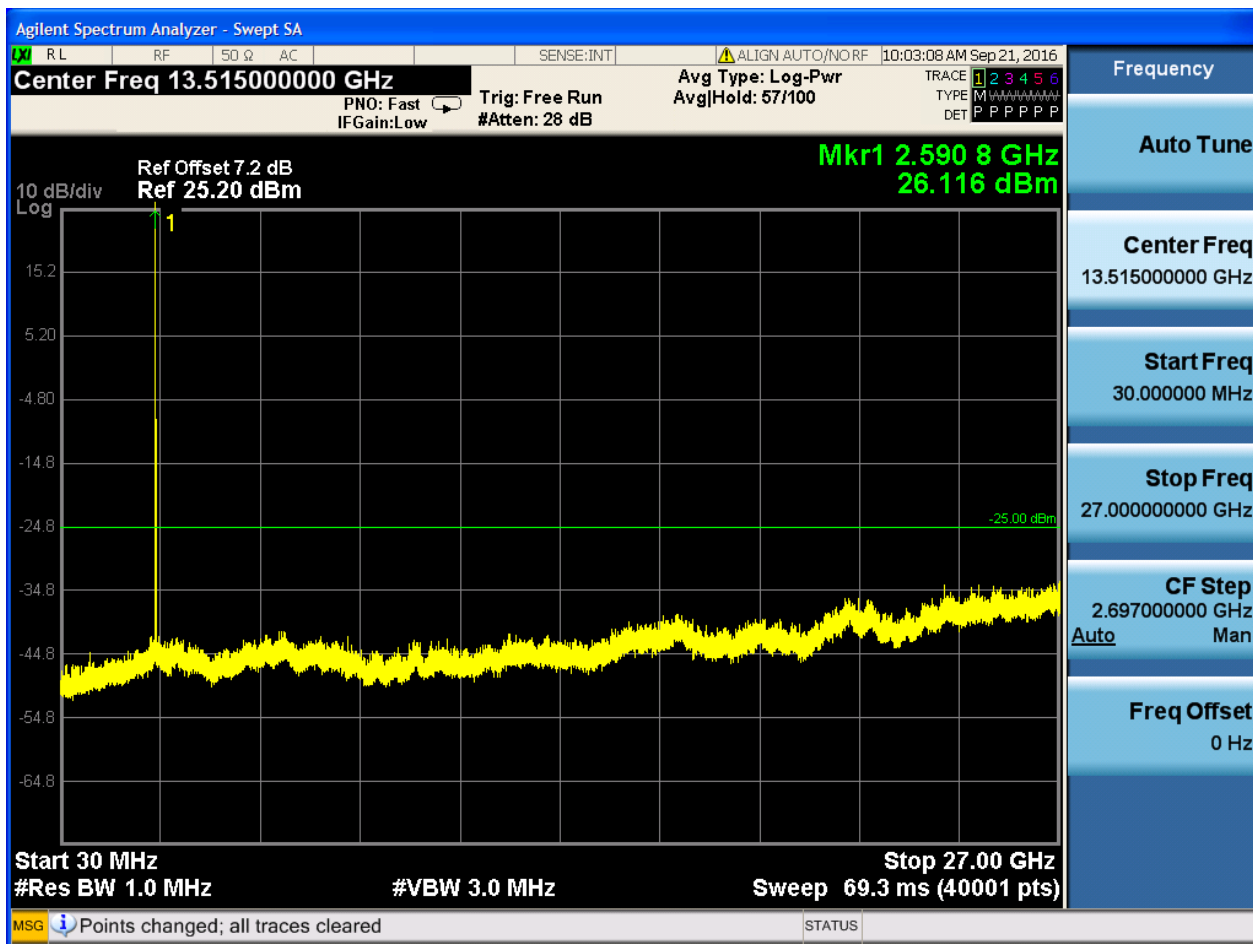


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



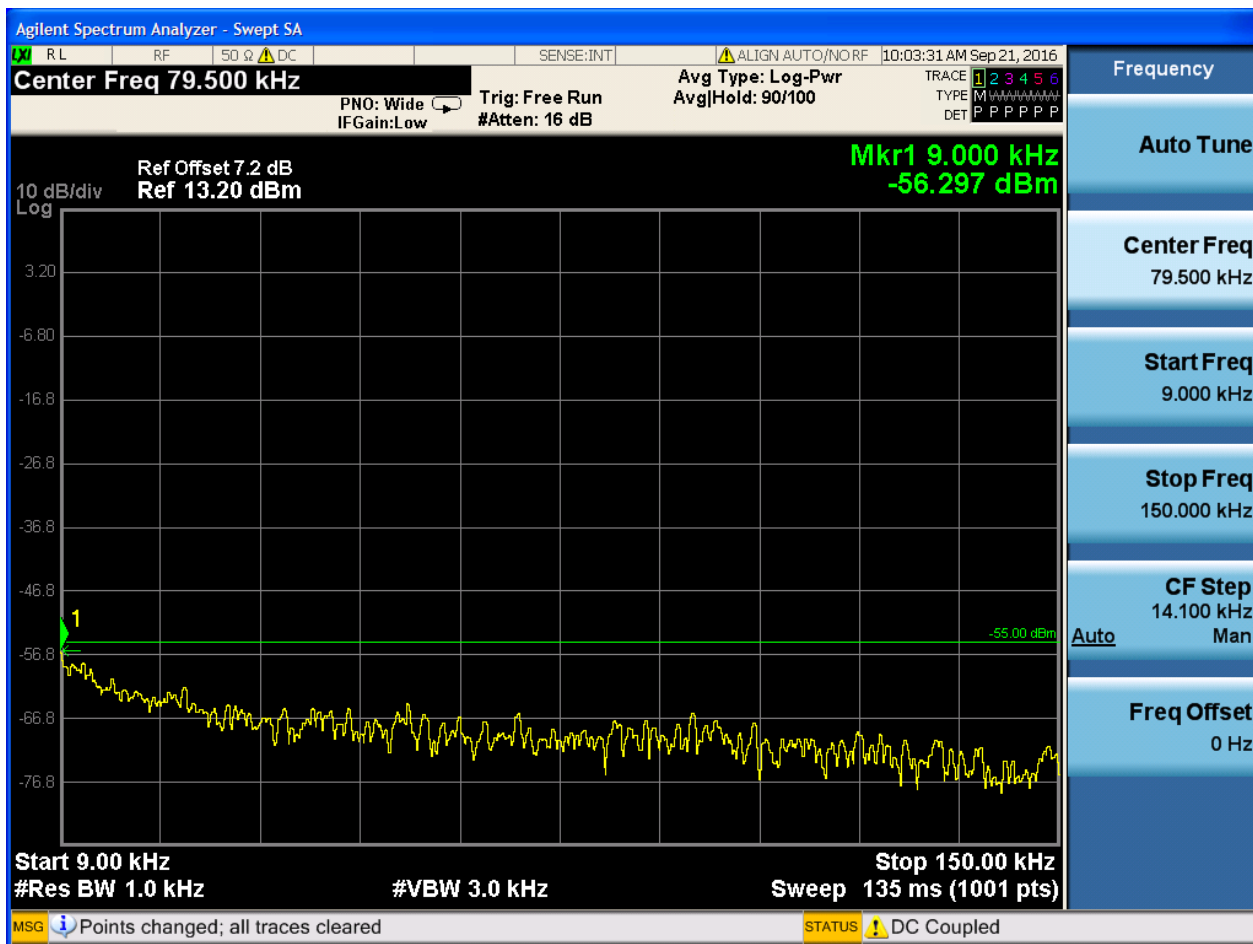




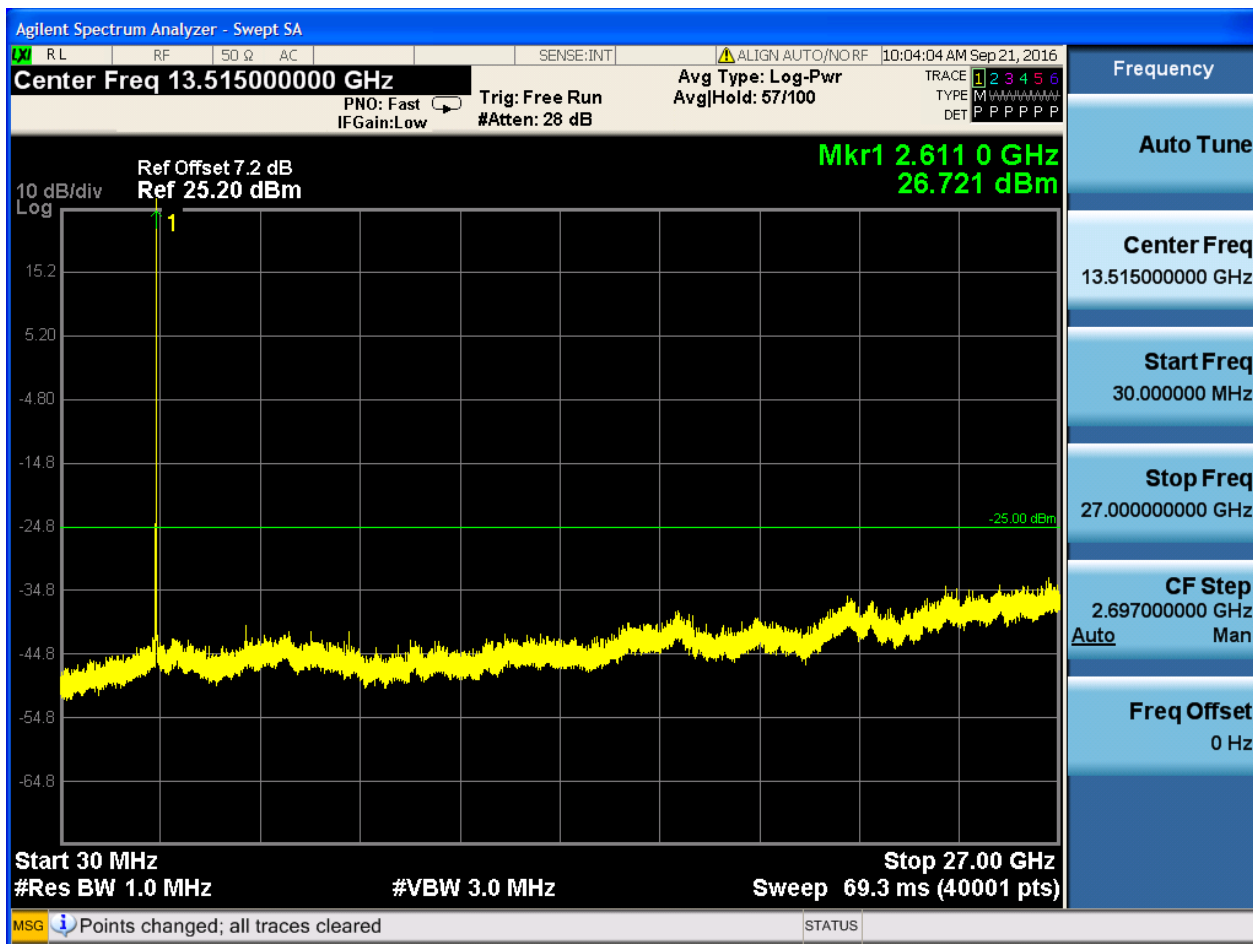


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





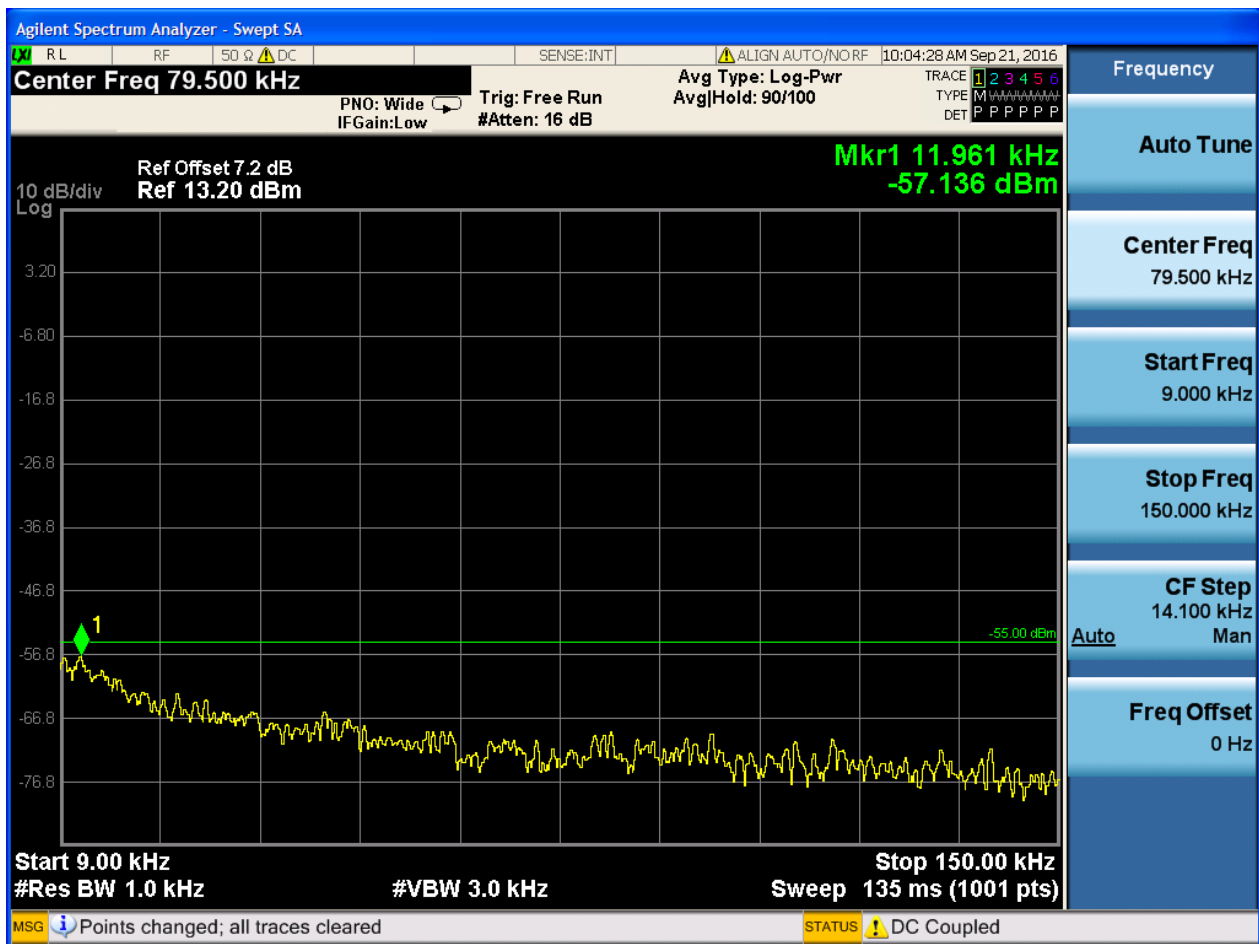


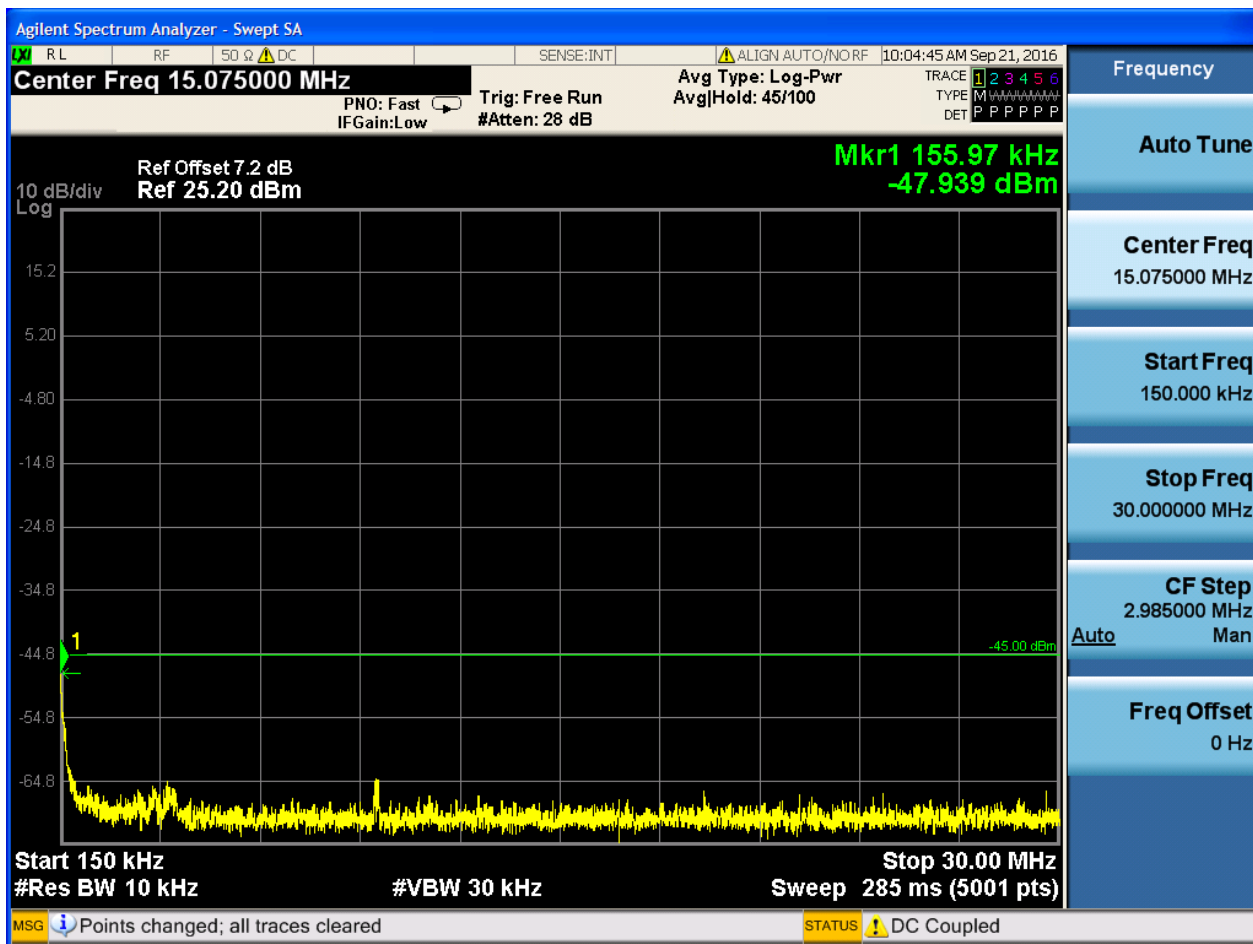


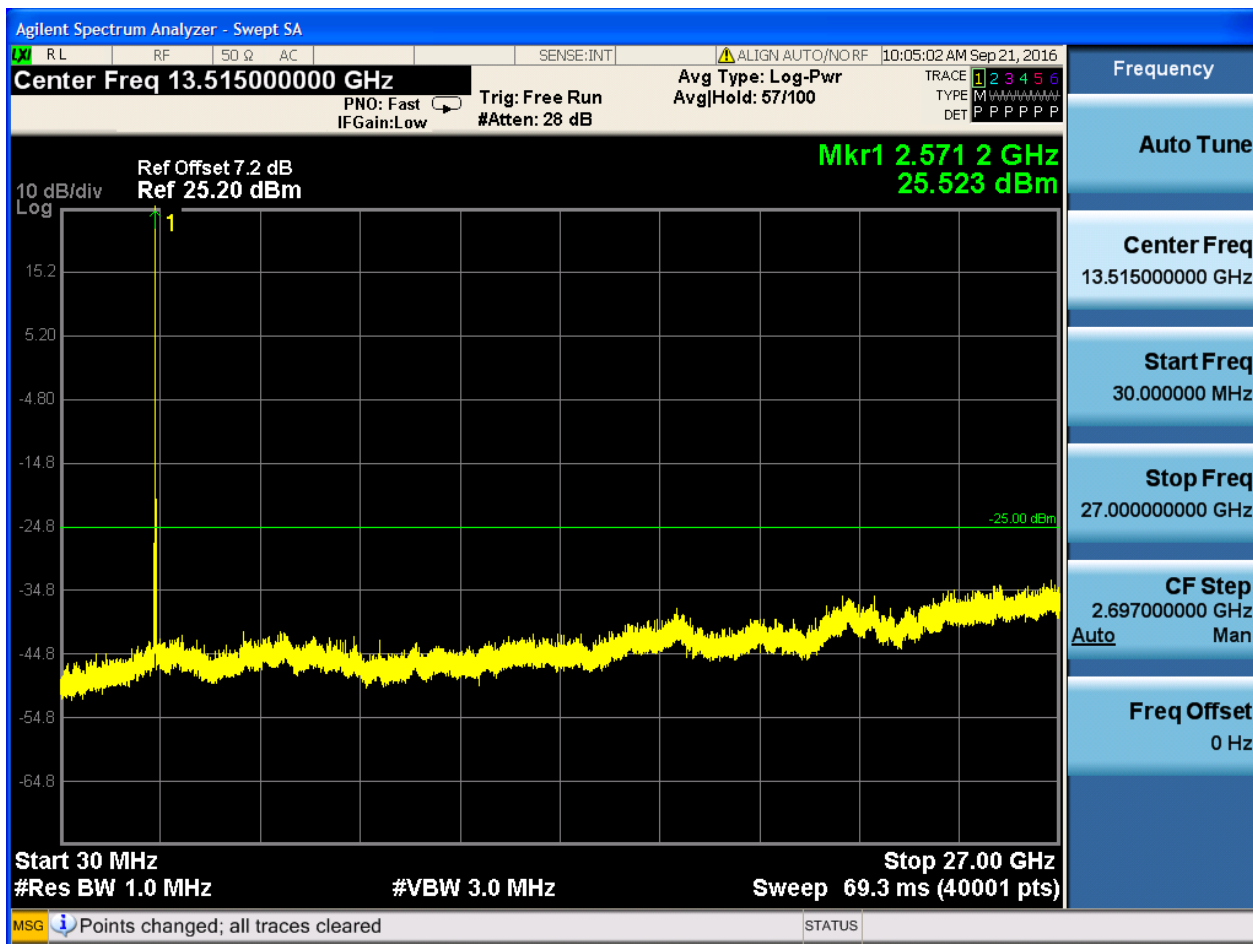
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



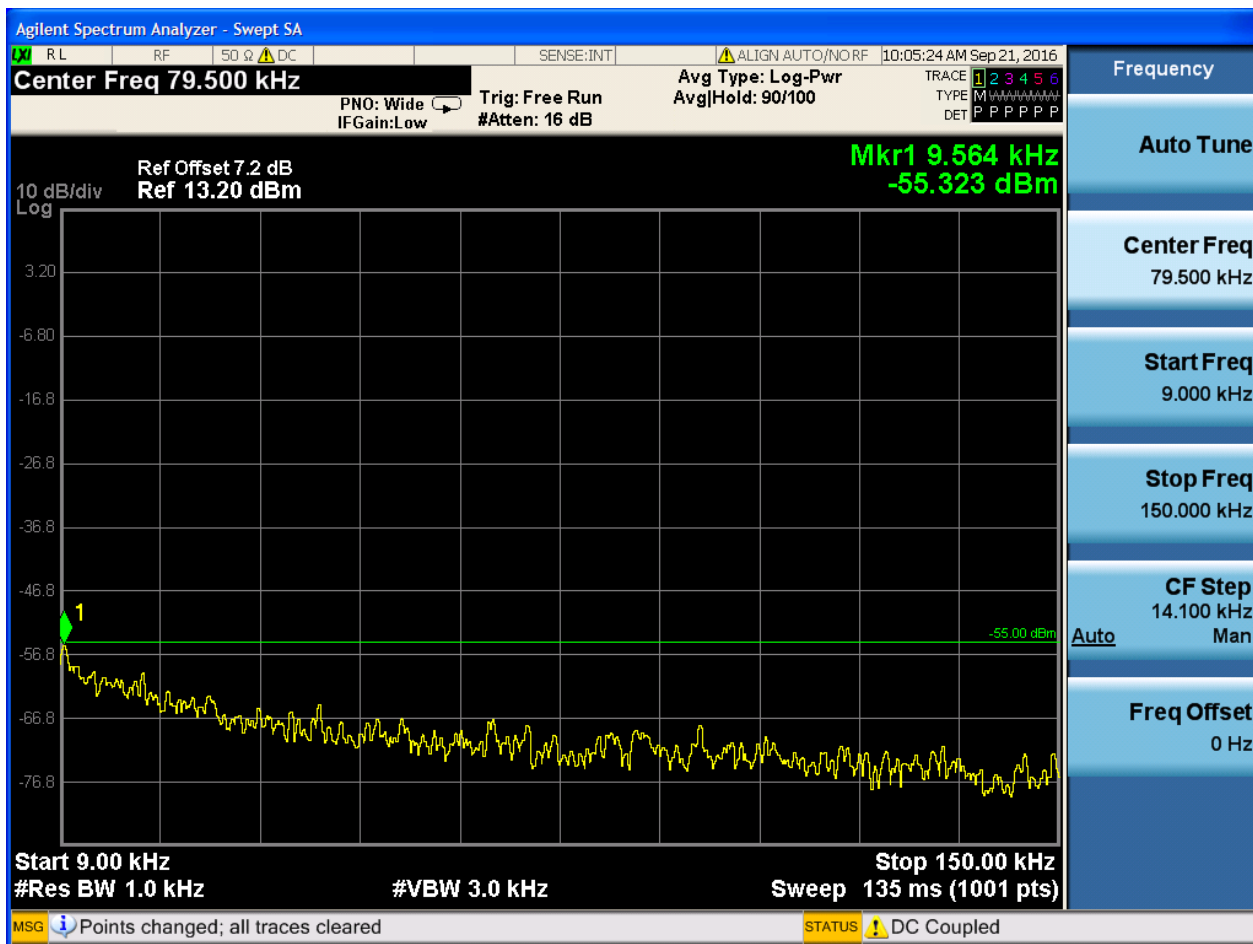




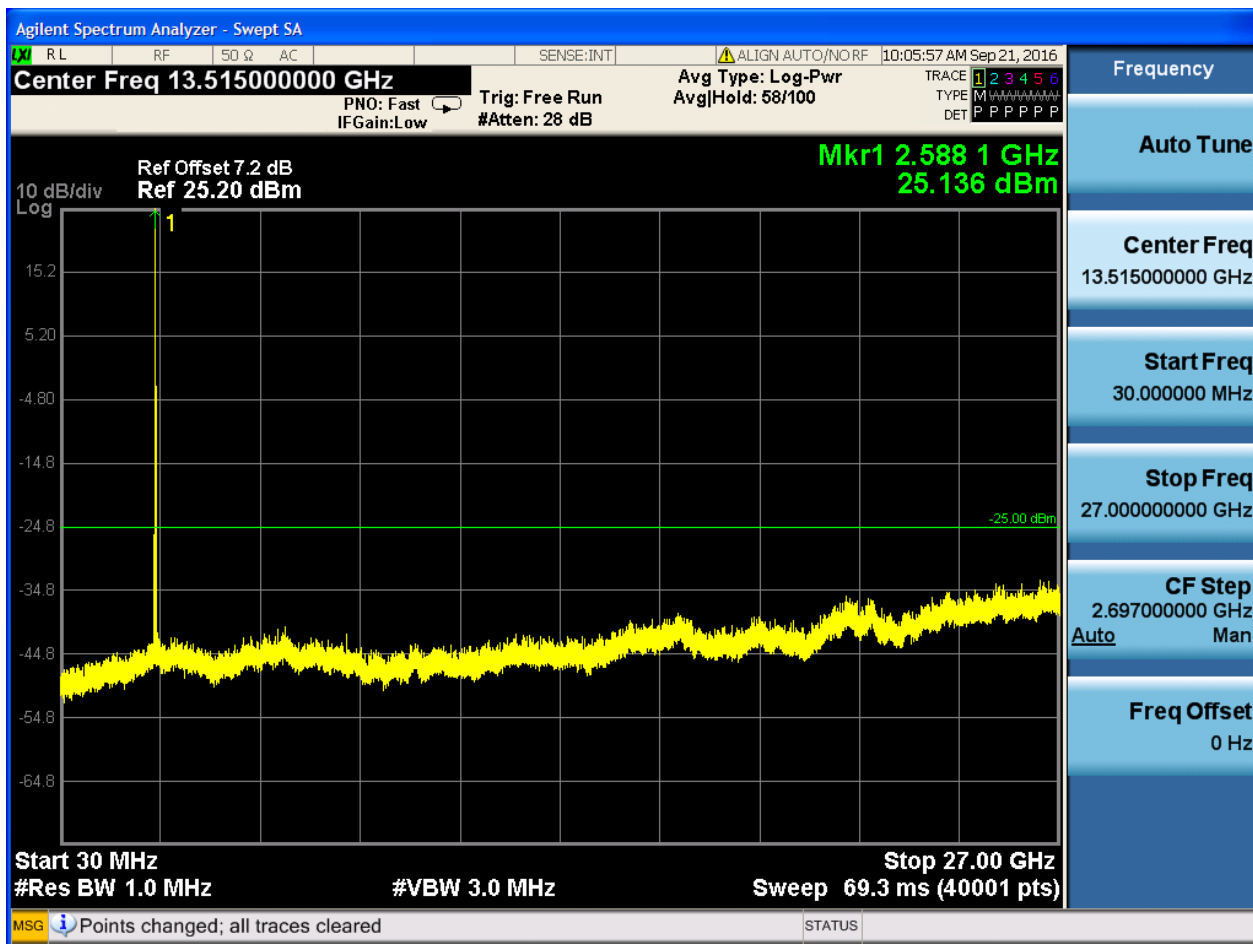


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

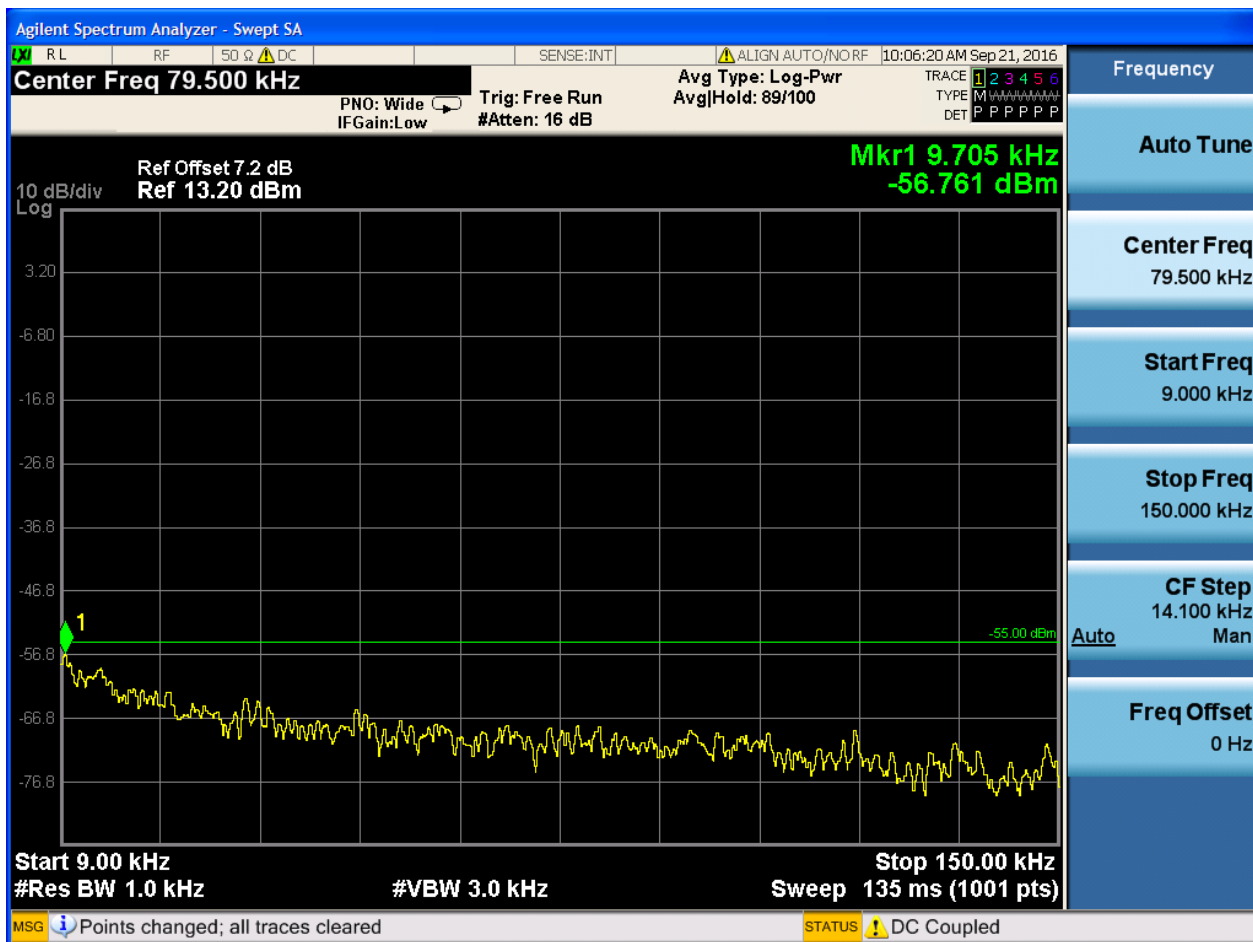


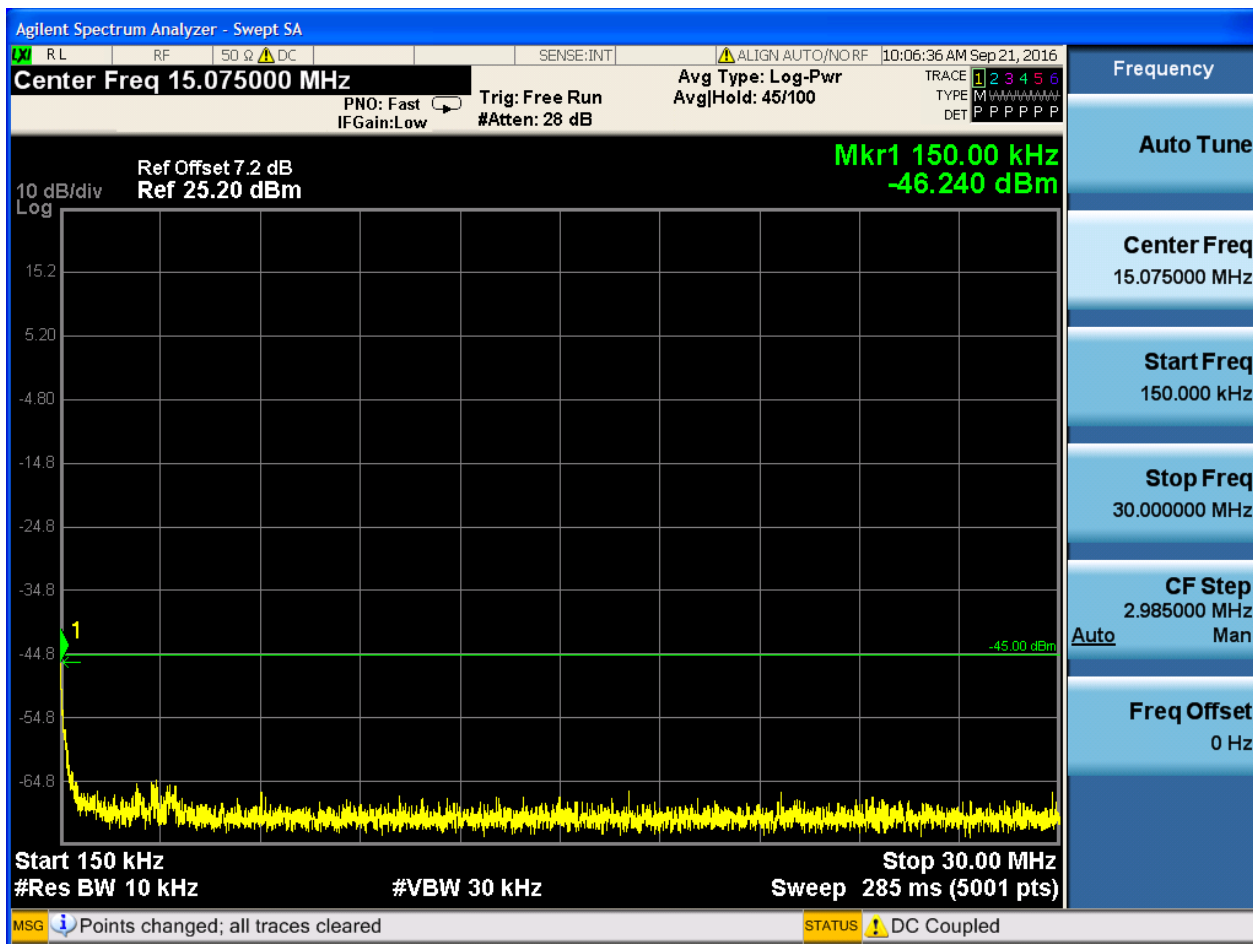


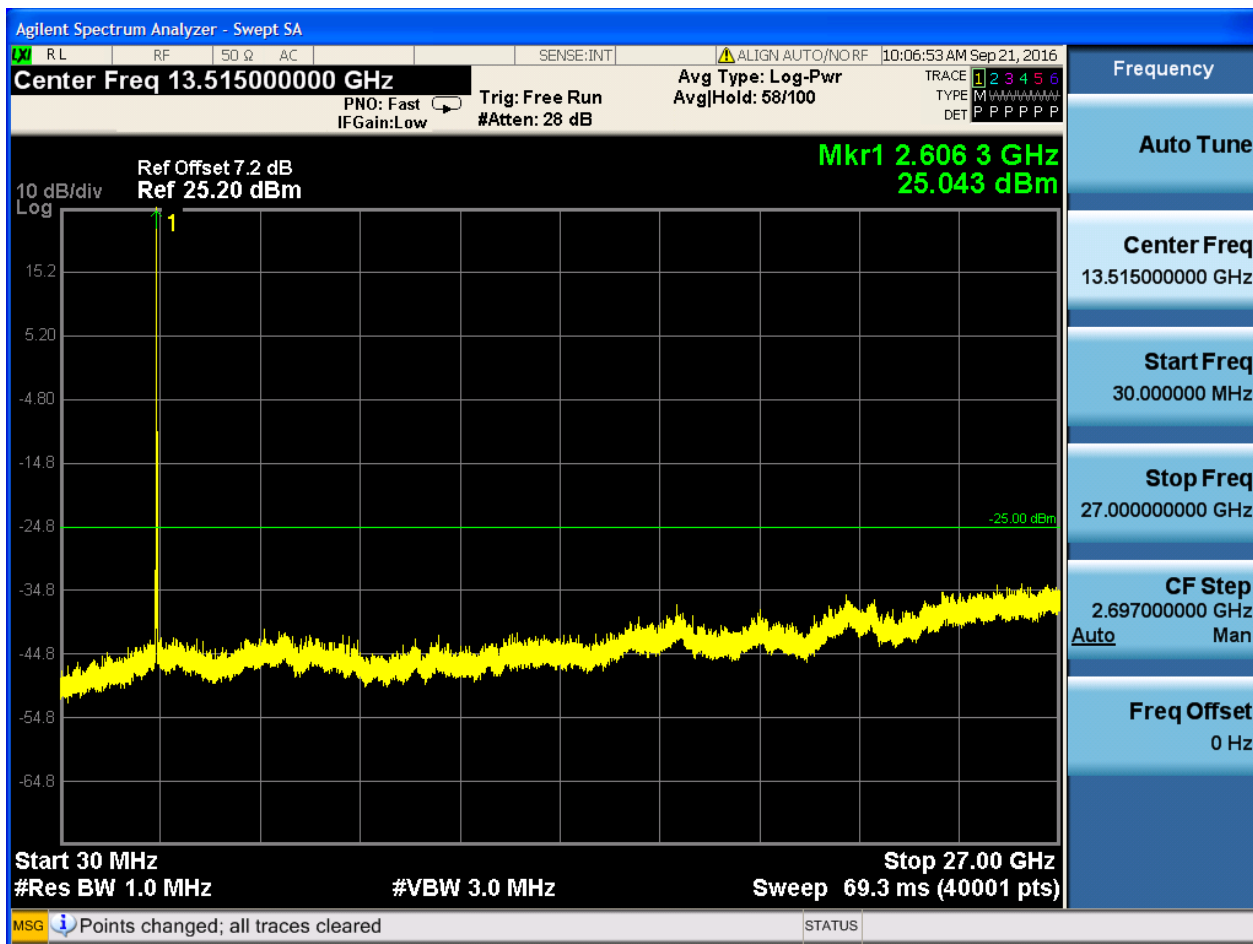


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



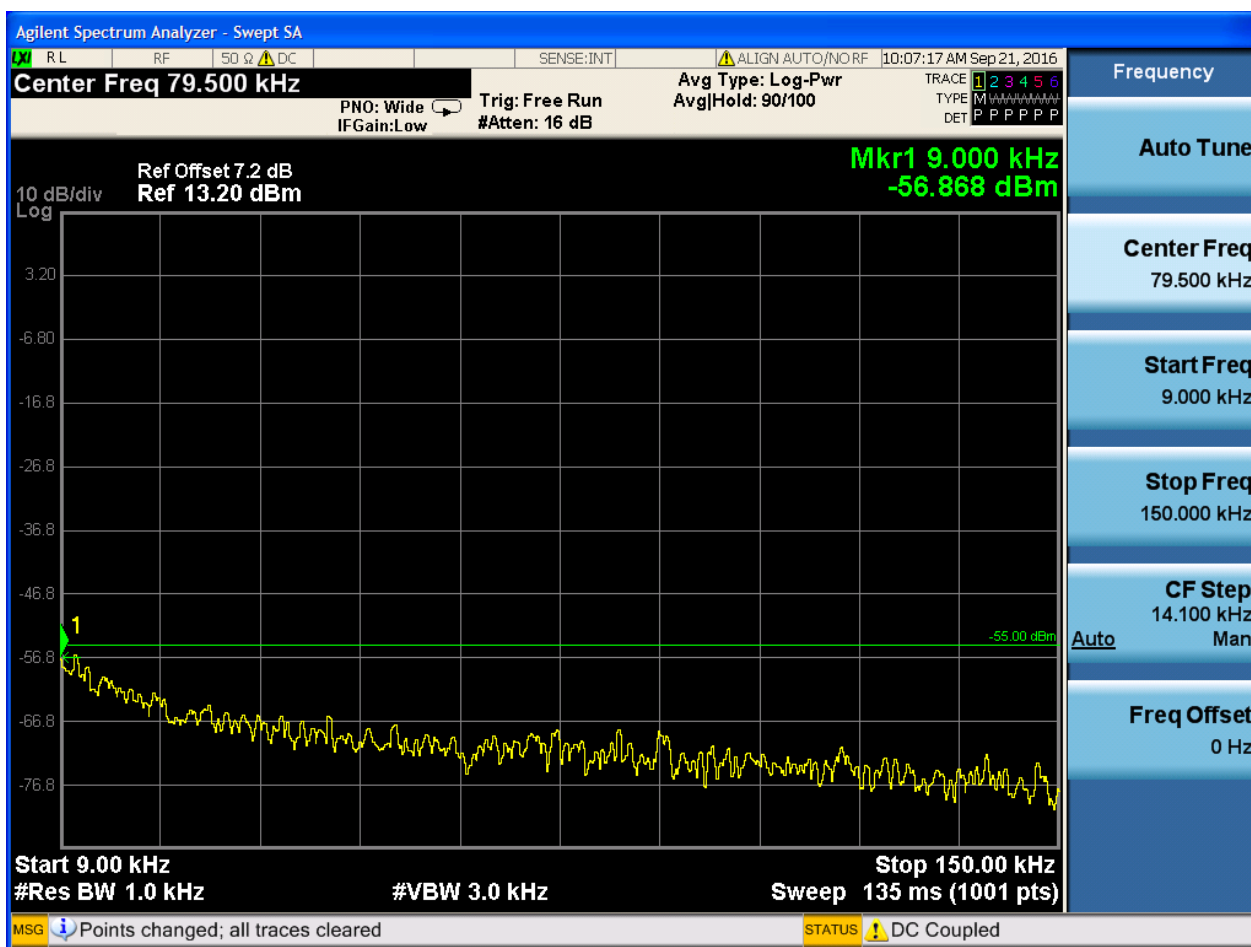




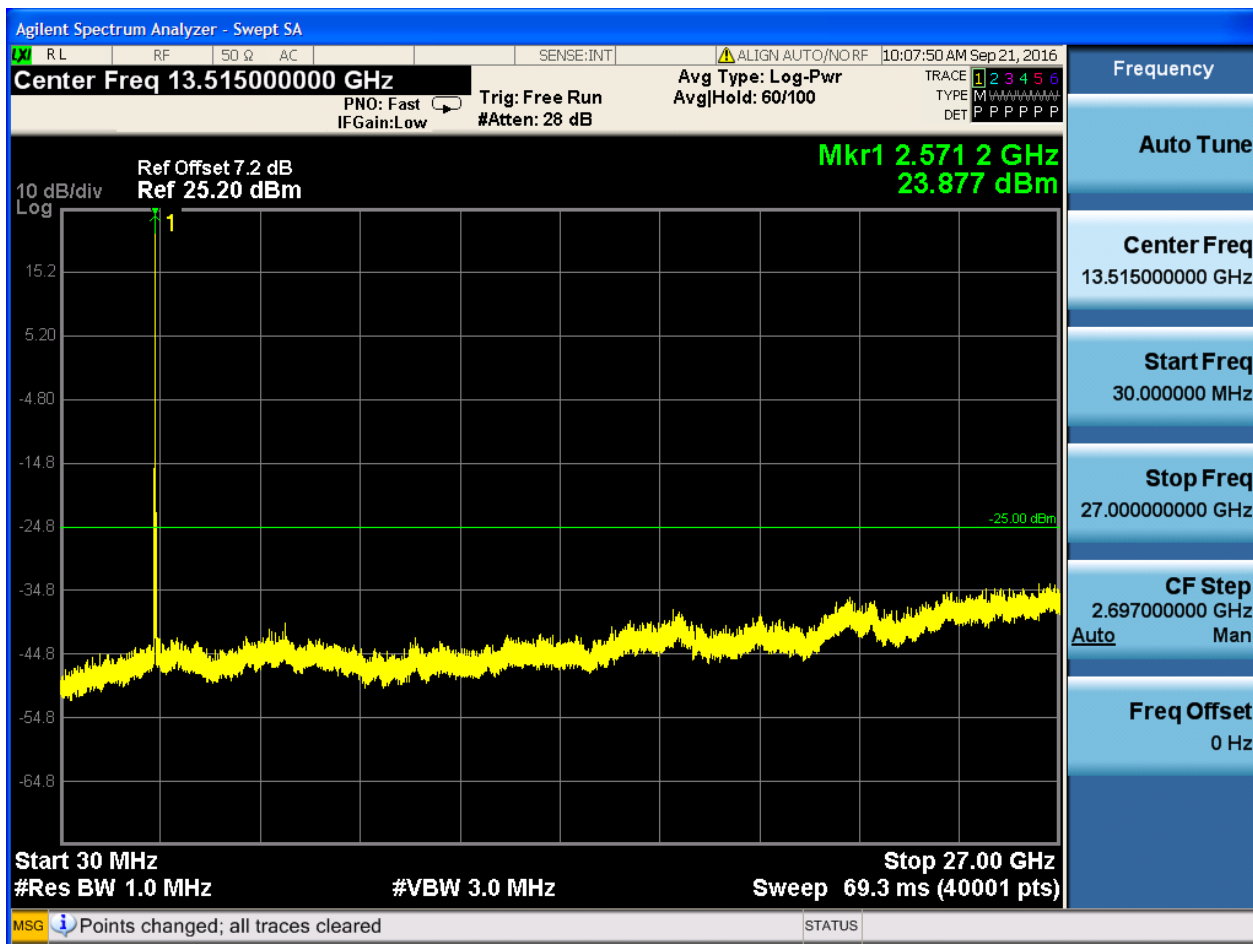
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

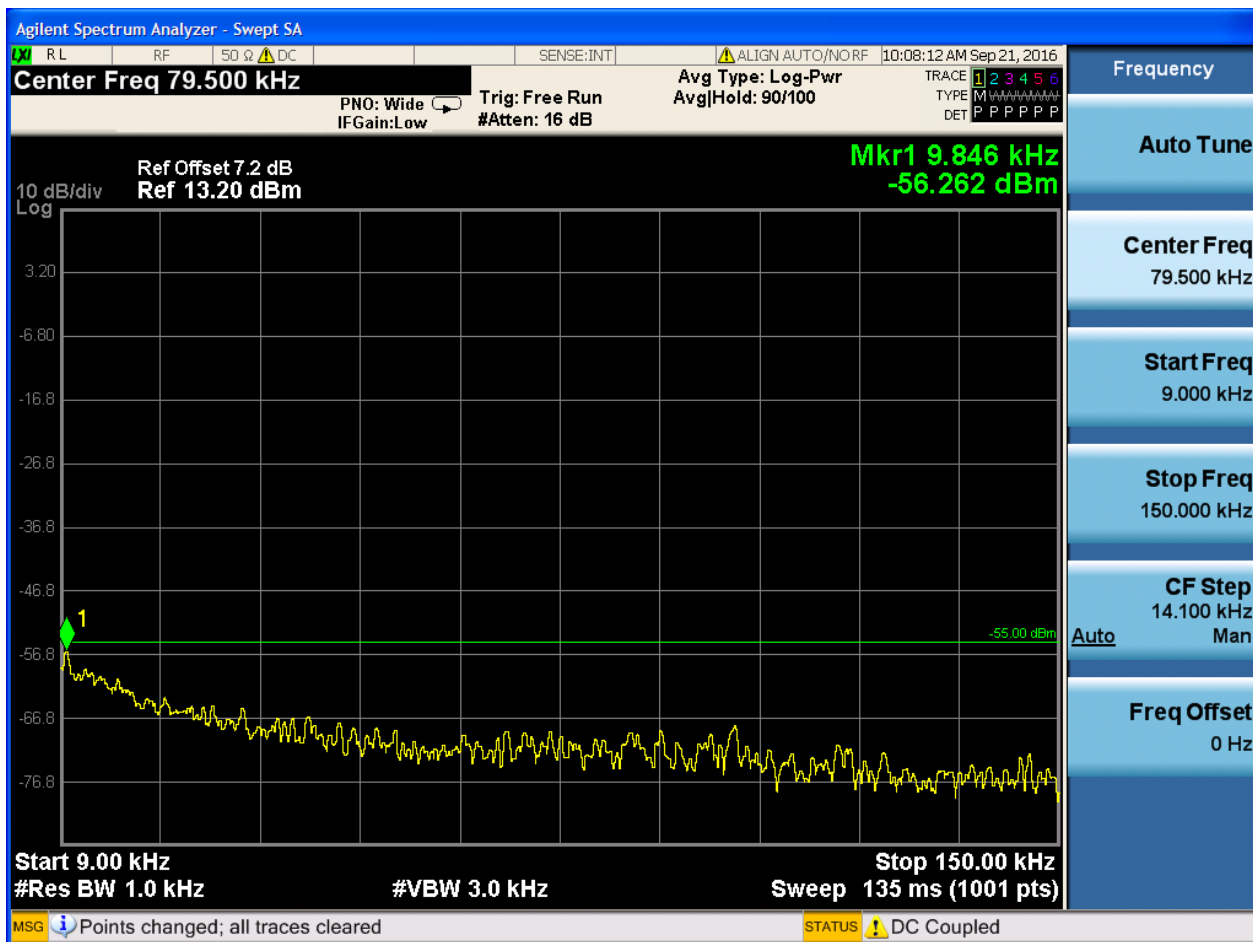


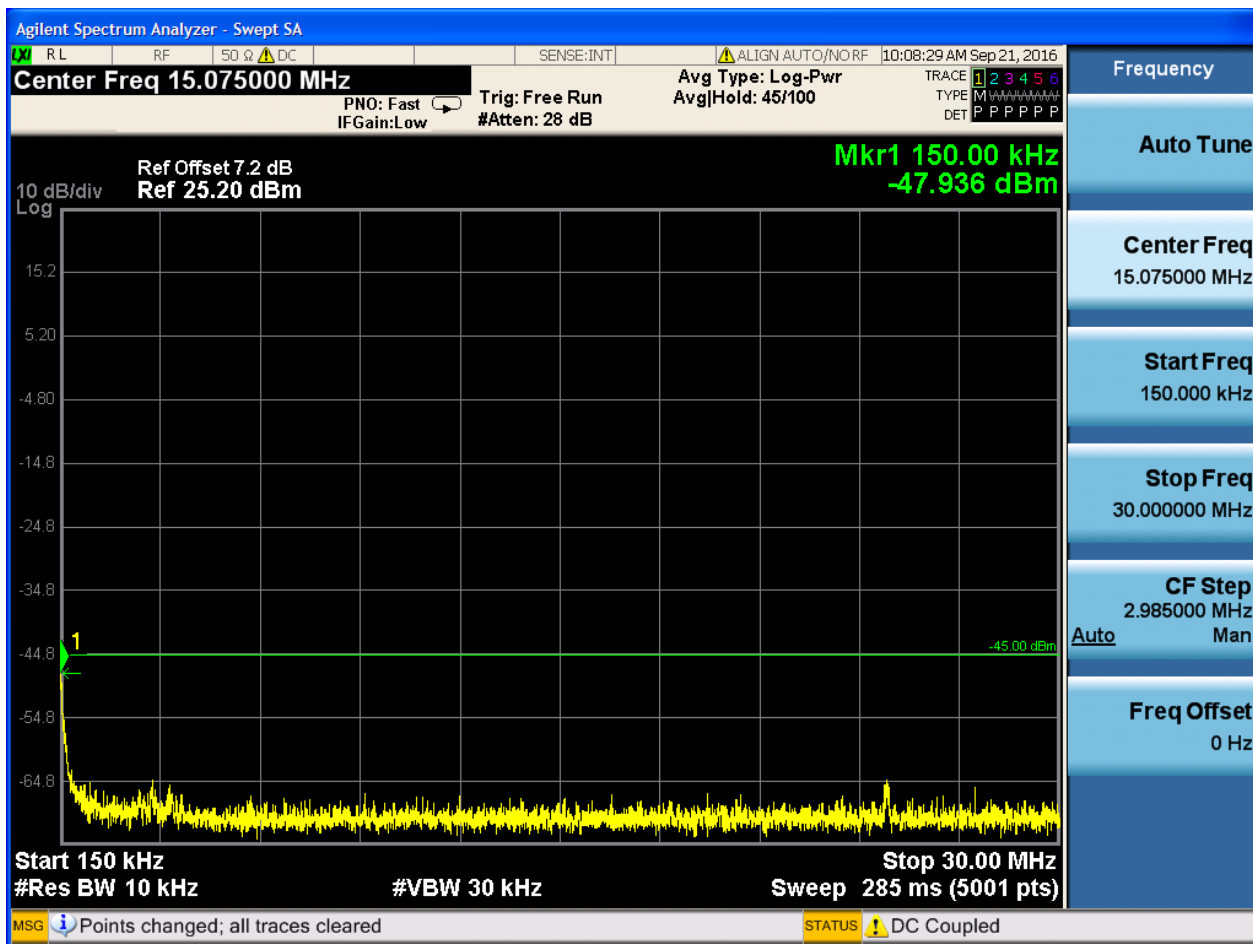


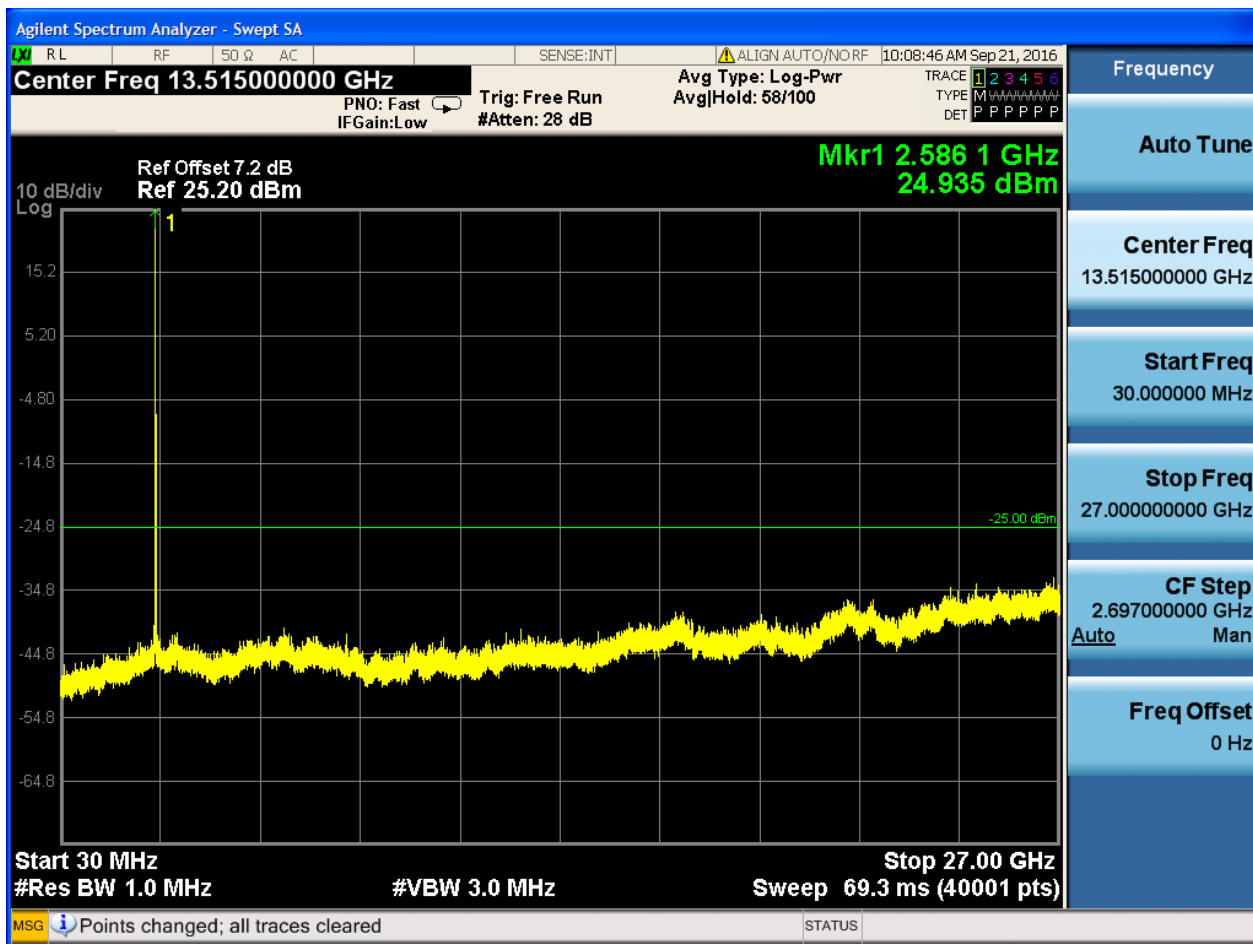


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

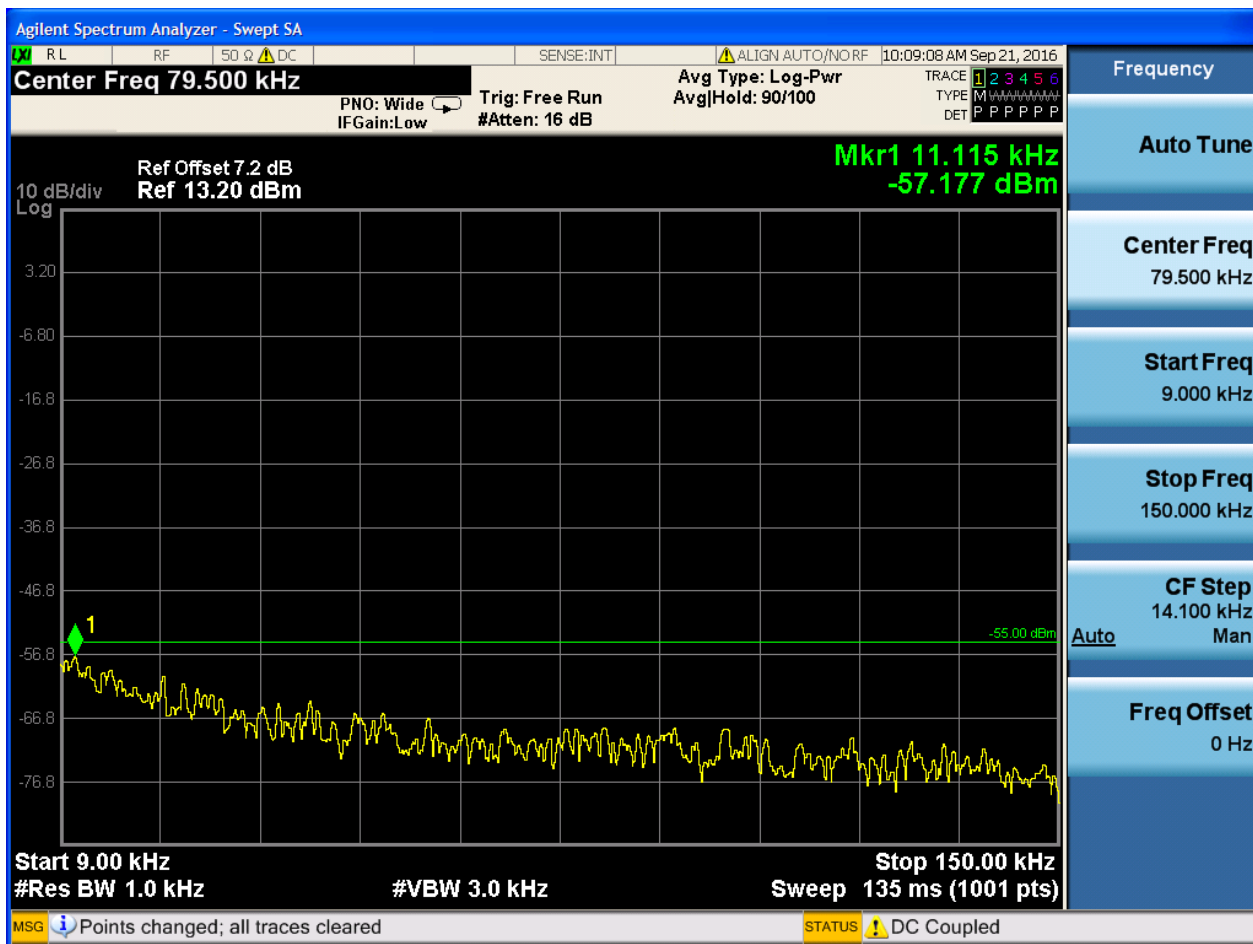




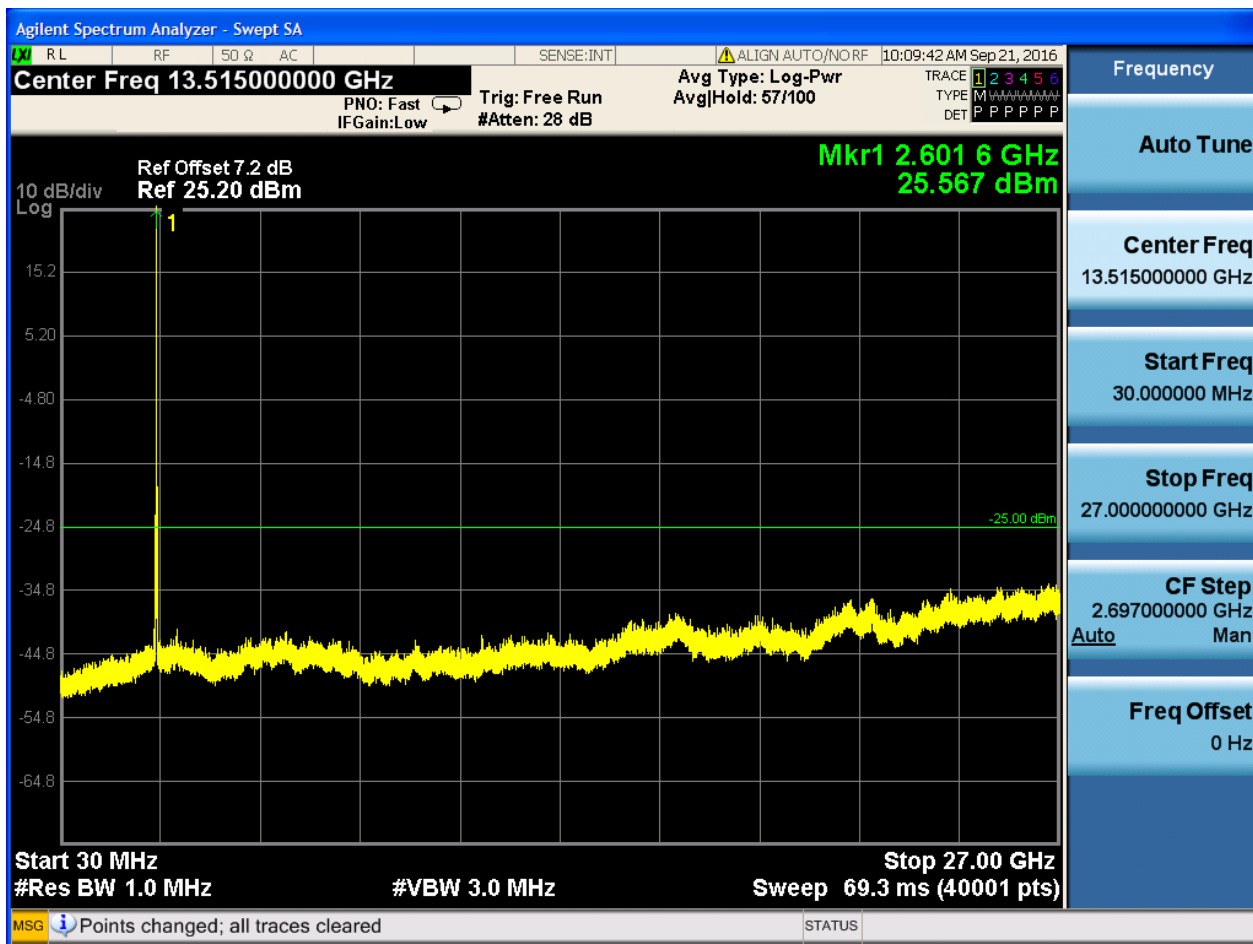


6.1.1.2.4.3 Test Channel = HCH

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

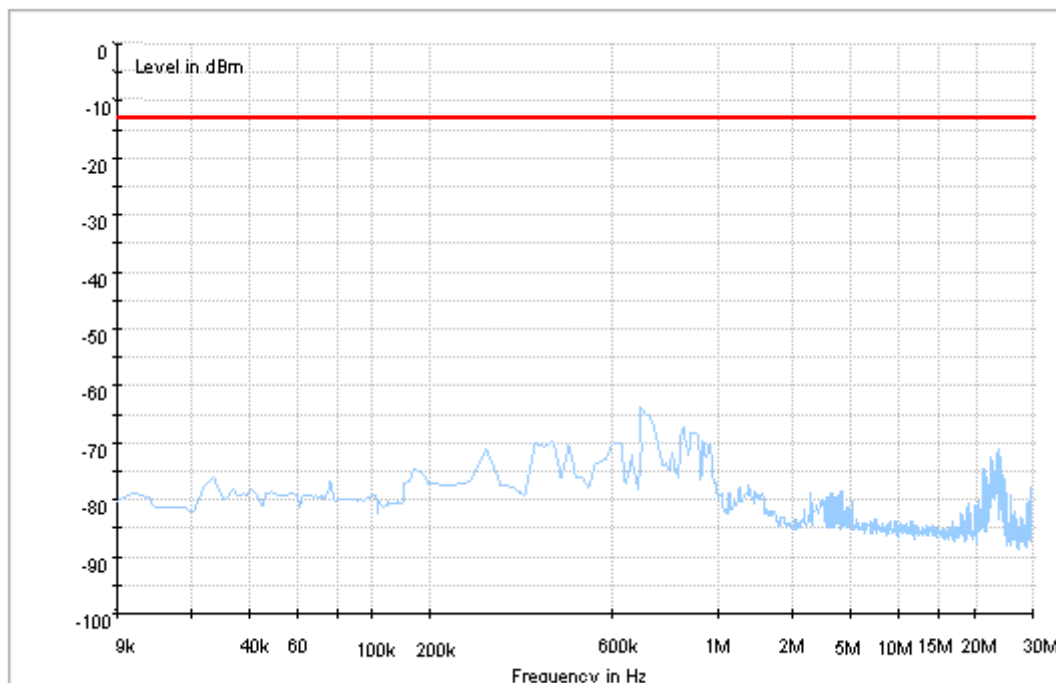
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

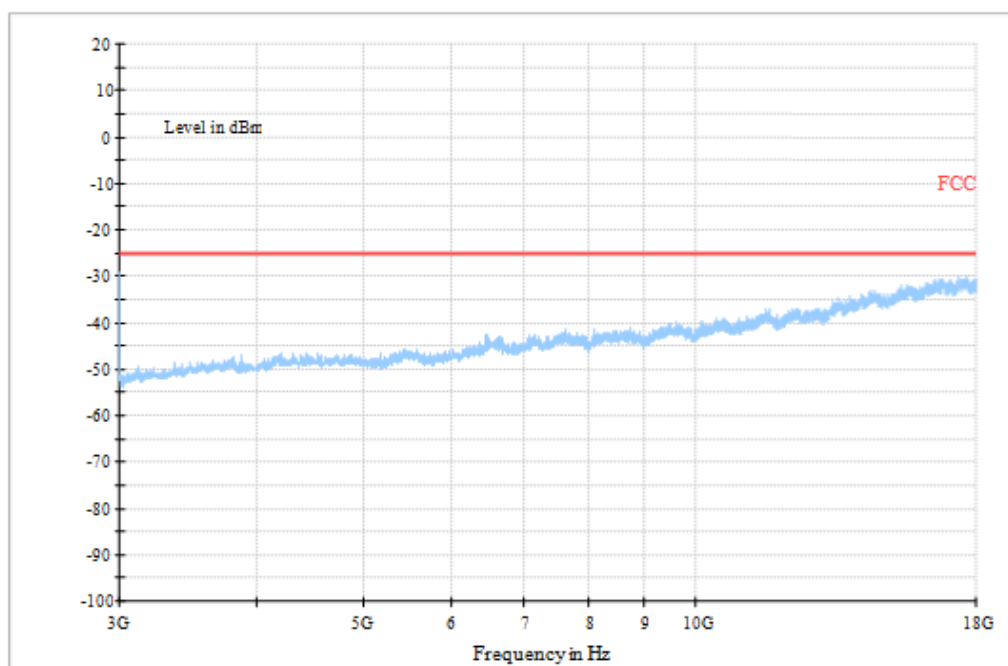
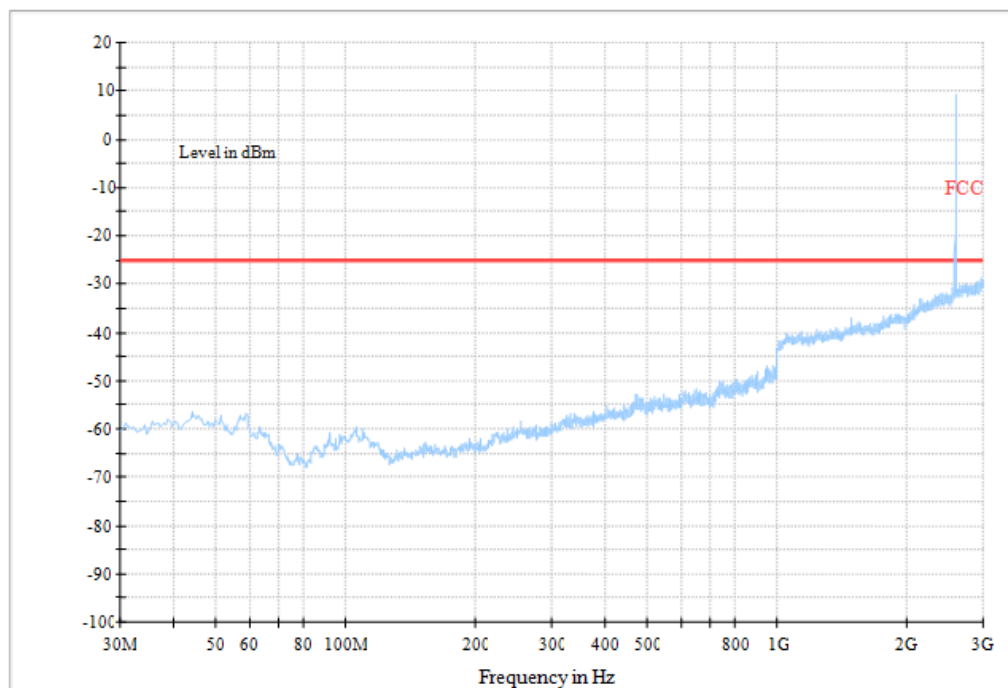
Part I - Test Plots

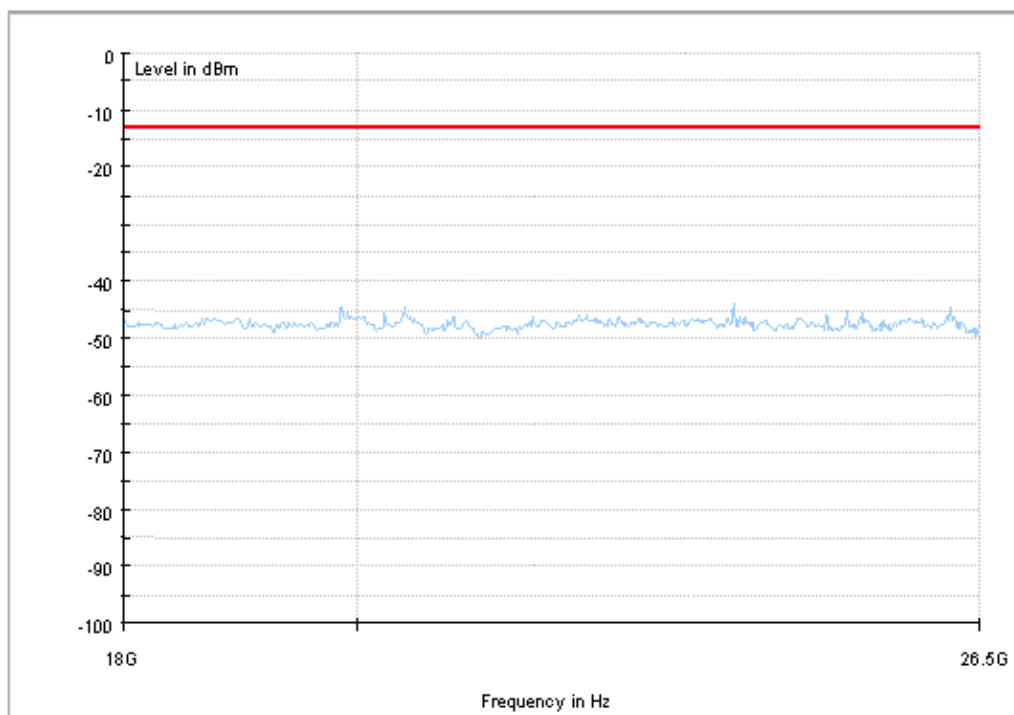
7.1 For LTE

7.1.1 Test Band = BAND38_Ant1

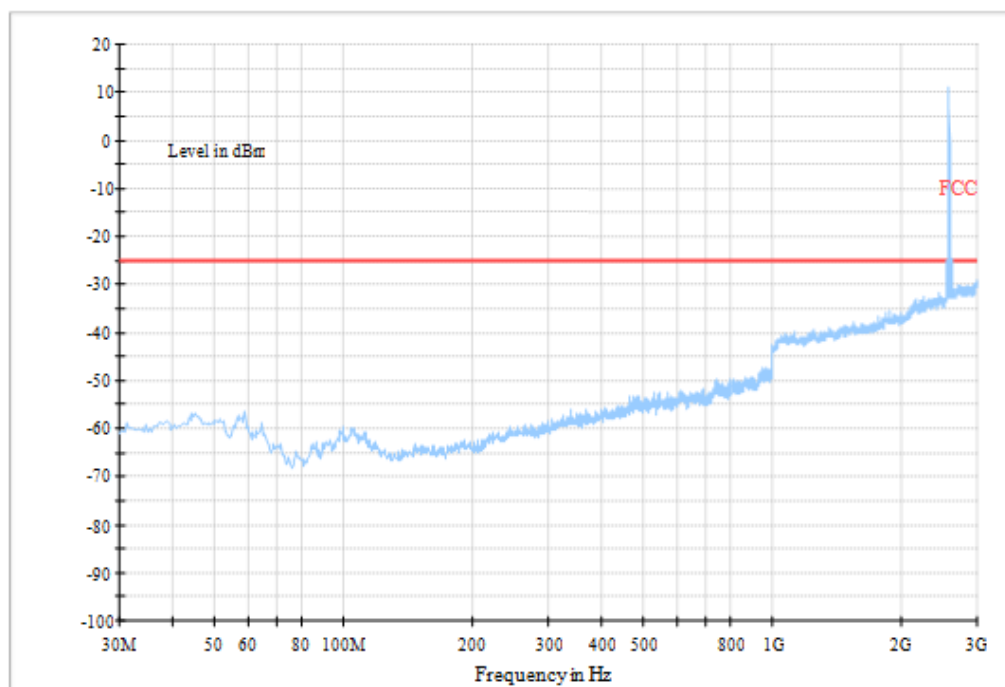
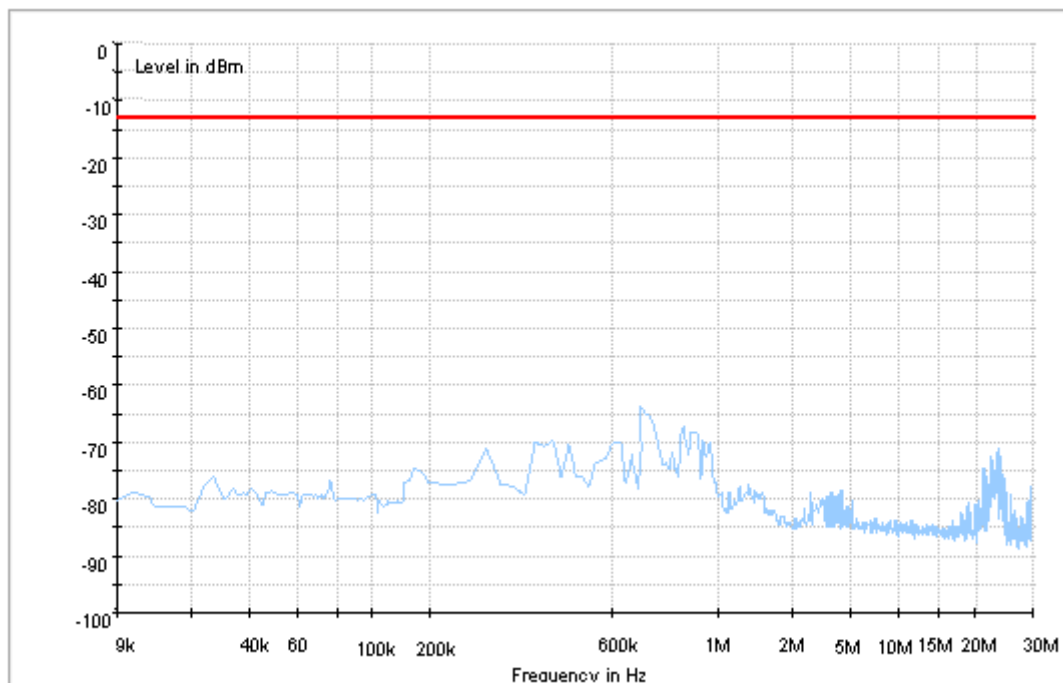
7.1.1.1 Test Bandwidth = 5

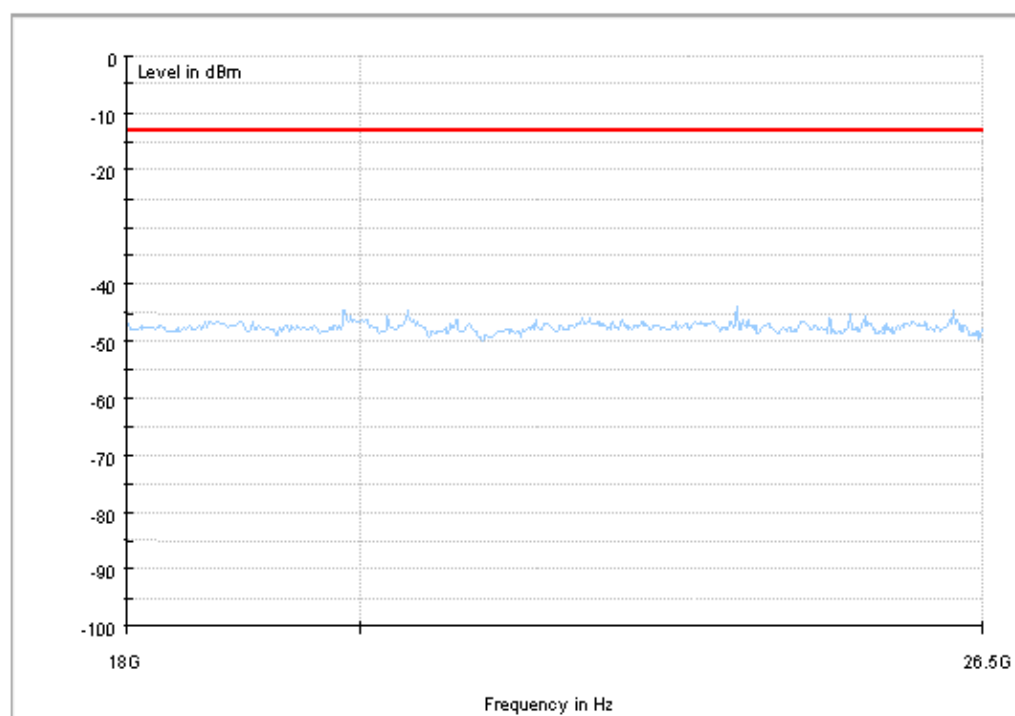
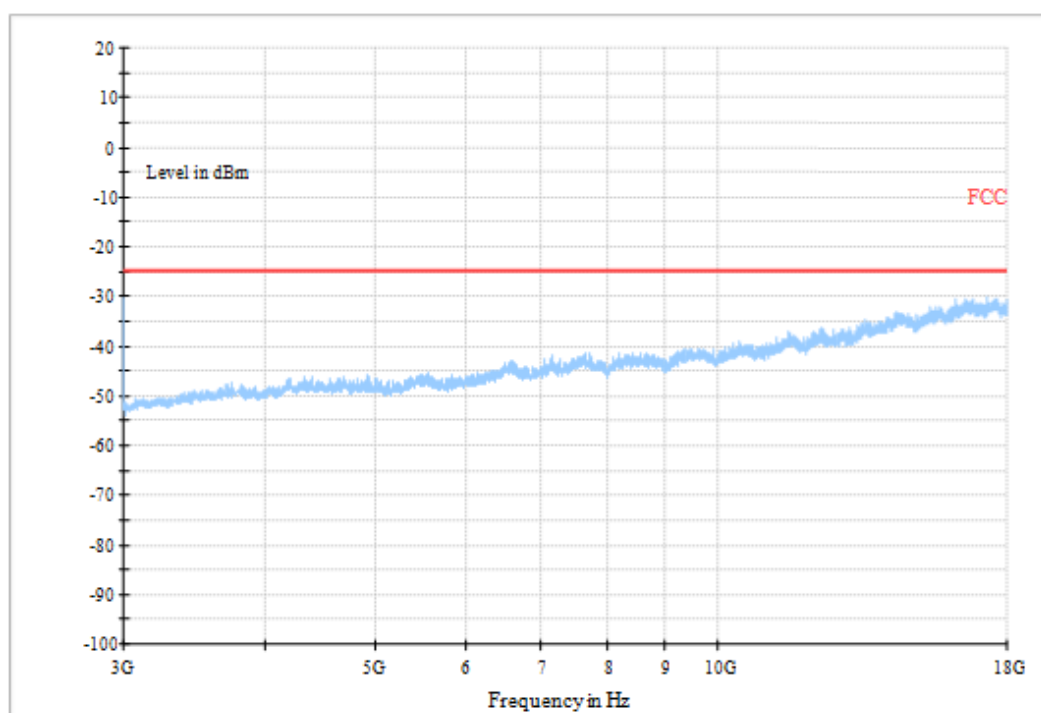






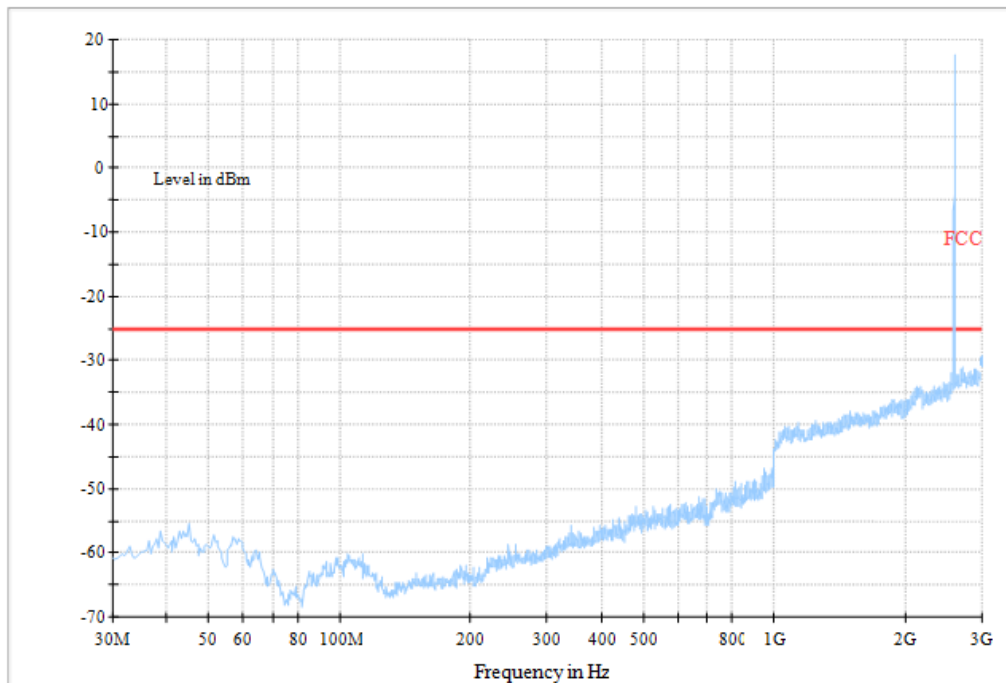
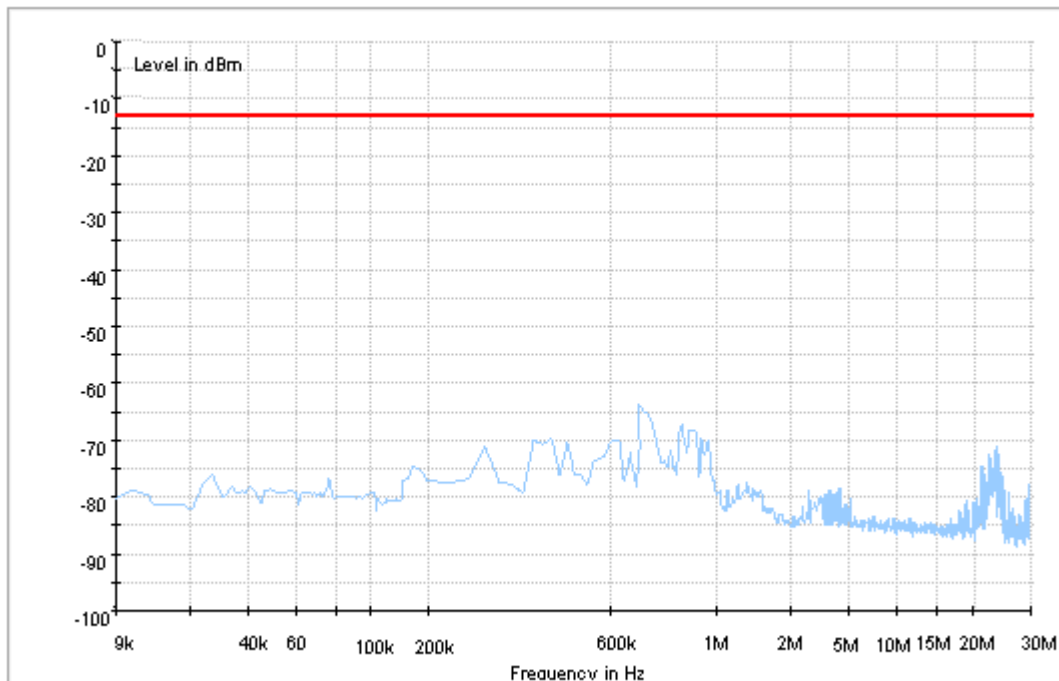
7.1.1.2 Test Bandwidth = 20

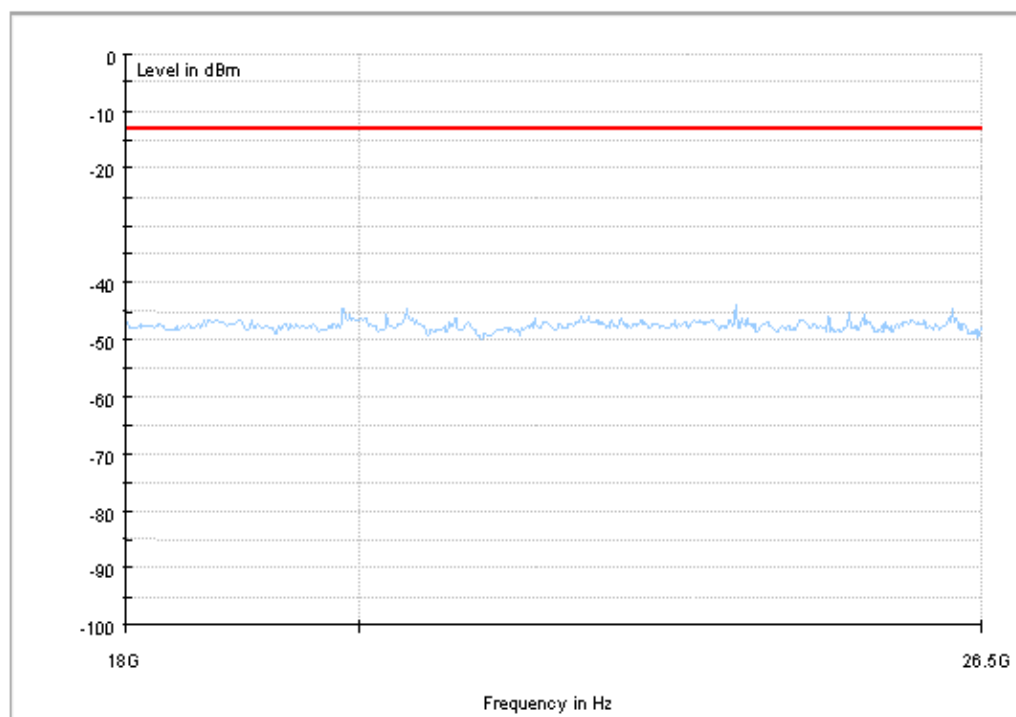
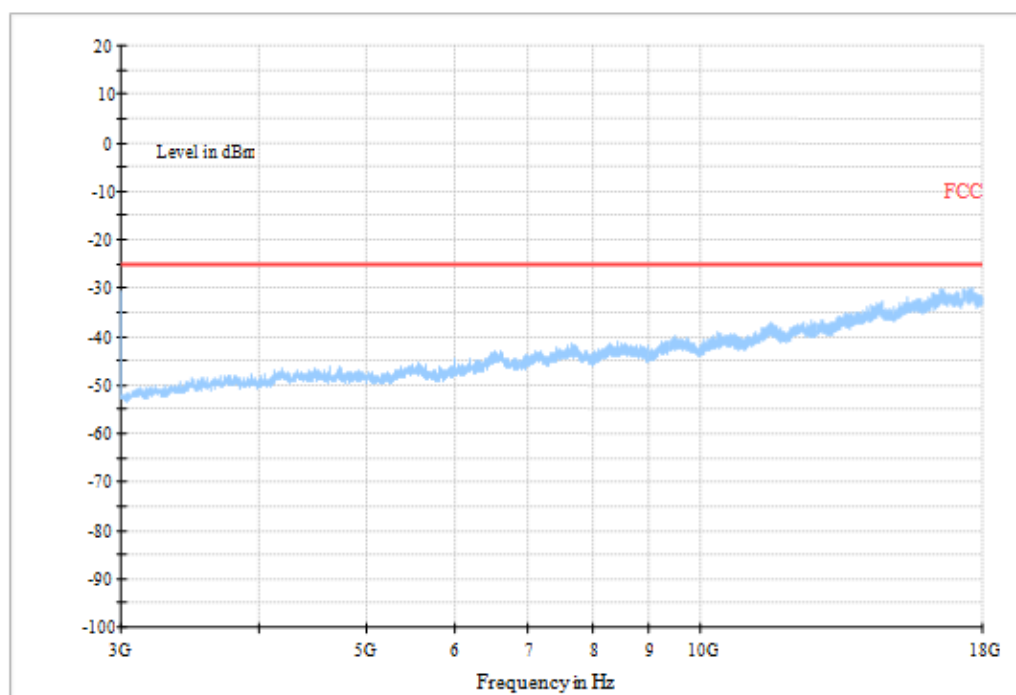




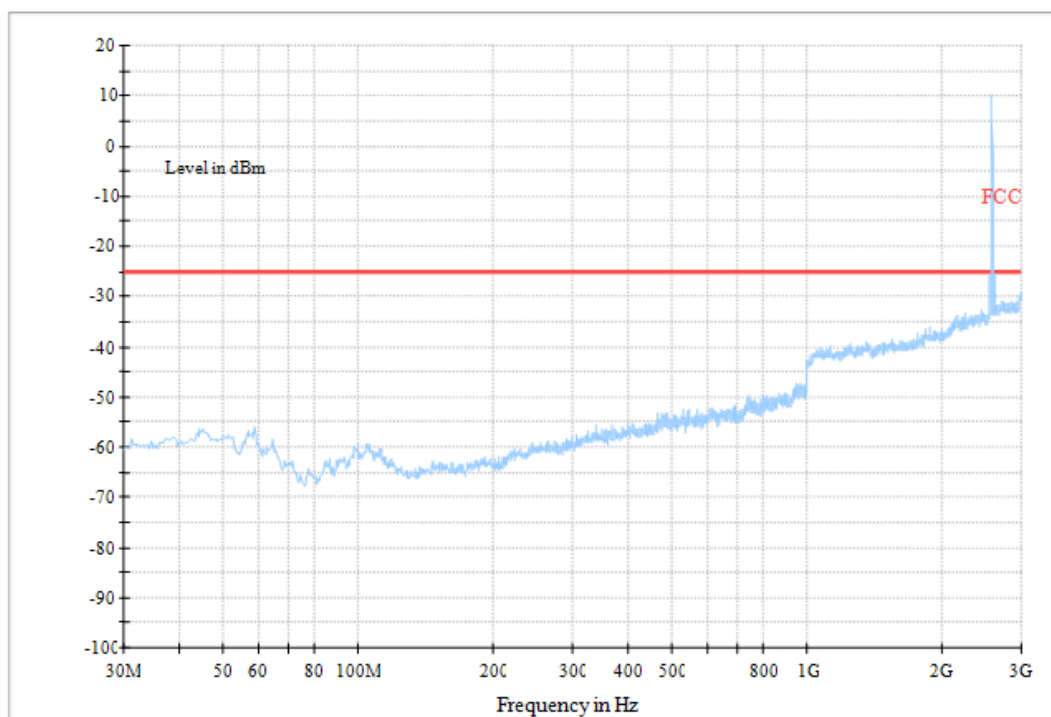
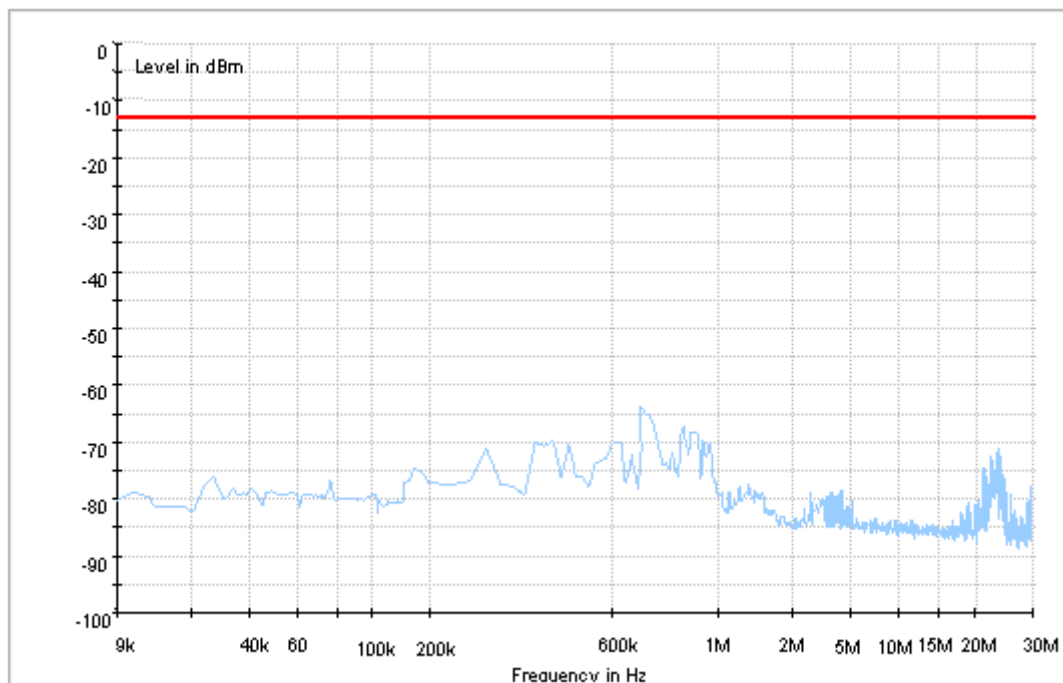
7.1.2 Test Band = BAND38_Ant1

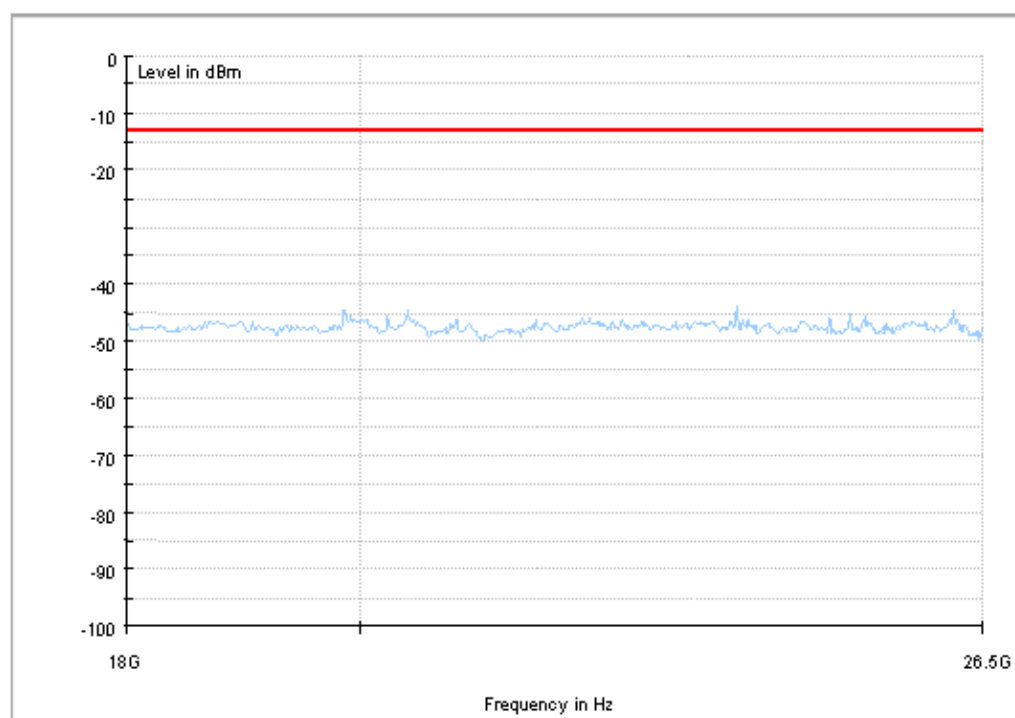
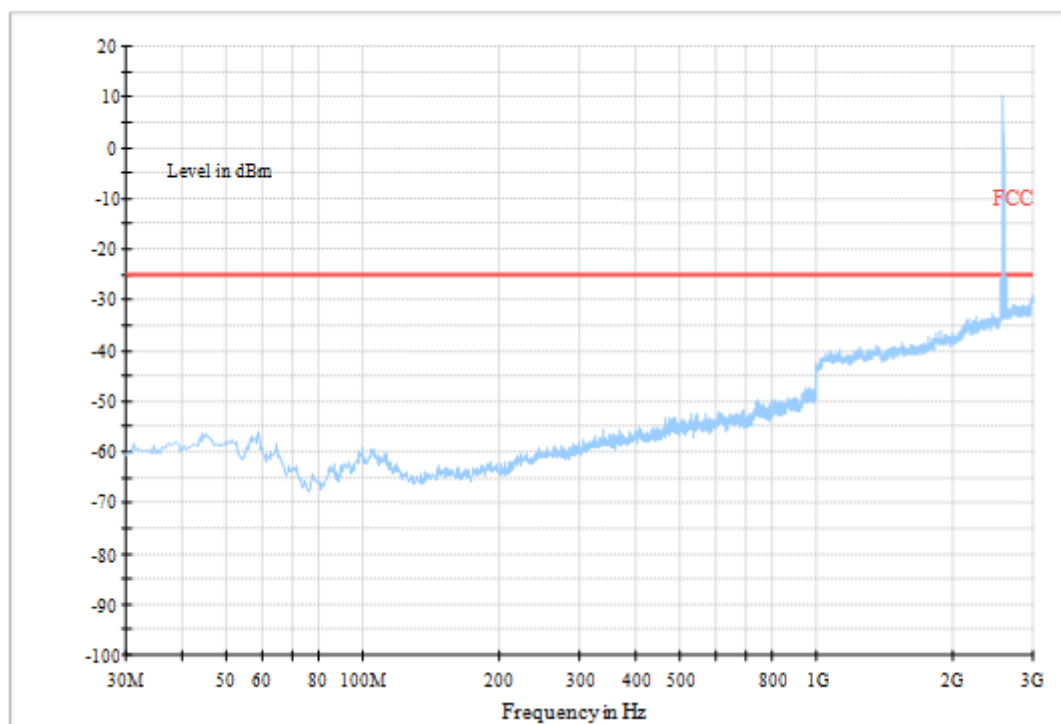
7.1.2.1 Test Bandwidth = 5





7.1.2.2 Test Bandwidth = 20





8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency 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
	LTE/TM2	5	LCH	TN	VL	-4.52	-0.00176	PASS
					VN	-2.80	-0.00109	PASS
					VH	-8.41	-0.00327	PASS
			MCH	TN	VL	1.22	0.00047	PASS
					VN	-5.51	-0.00212	PASS
					VH	-6.27	-0.00242	PASS
			HCH	TN	VL	4.26	0.00163	PASS
					VN	-2.86	-0.00109	PASS
					VH	-0.39	-0.00015	PASS
		10	LCH	TN	VL	2.17	0.00084	PASS
					VN	-23.90	-0.00928	PASS
					VH	-2.46	-0.00096	PASS
			MCH	TN	VL	-0.73	-0.00028	PASS
					VN	-1.04	-0.0004	PASS
					VH	-6.85	-0.00264	PASS
			HCH	TN	VL	5.98	0.00229	PASS
					VN	6.51	0.00249	PASS
					VH	2.57	0.00098	PASS
		15	LCH	TN	VL	4.36	0.00169	PASS
					VN	0.34	0.00013	PASS
					VH	0.33	0.00013	PASS
			MCH	TN	VL	1.22	0.00047	PASS
					VN	-4.56	-0.00176	PASS
					VH	-3.19	-0.00123	PASS
			HCH	TN	VL	0.87	0.00033	PASS
					VN	3.91	0.0015	PASS
					VH	1.87	0.00072	PASS
		20	LCH	TN	VL	5.11	0.00198	PASS
					VN	0.90	0.00035	PASS
					VH	-1.09	-0.00042	PASS
			MCH	TN	VL	20.53	0.00791	PASS
					VN	1.96	0.00076	PASS
					VH	-2.70	-0.00104	PASS
			HCH	TN	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
					50	-33.34	-0.01253	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
					50	-5.64	-0.00184	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
					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
					50	-4.54	-0.00142	PASS
		15	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
		20	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
					50	6.6	0.00286	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
					50	-6.36	-0.00212	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
		15	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

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	-96.02	-0.03644	PASS
					50	-7.16	-0.00243	PASS
			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	-0.00288	PASS
					-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