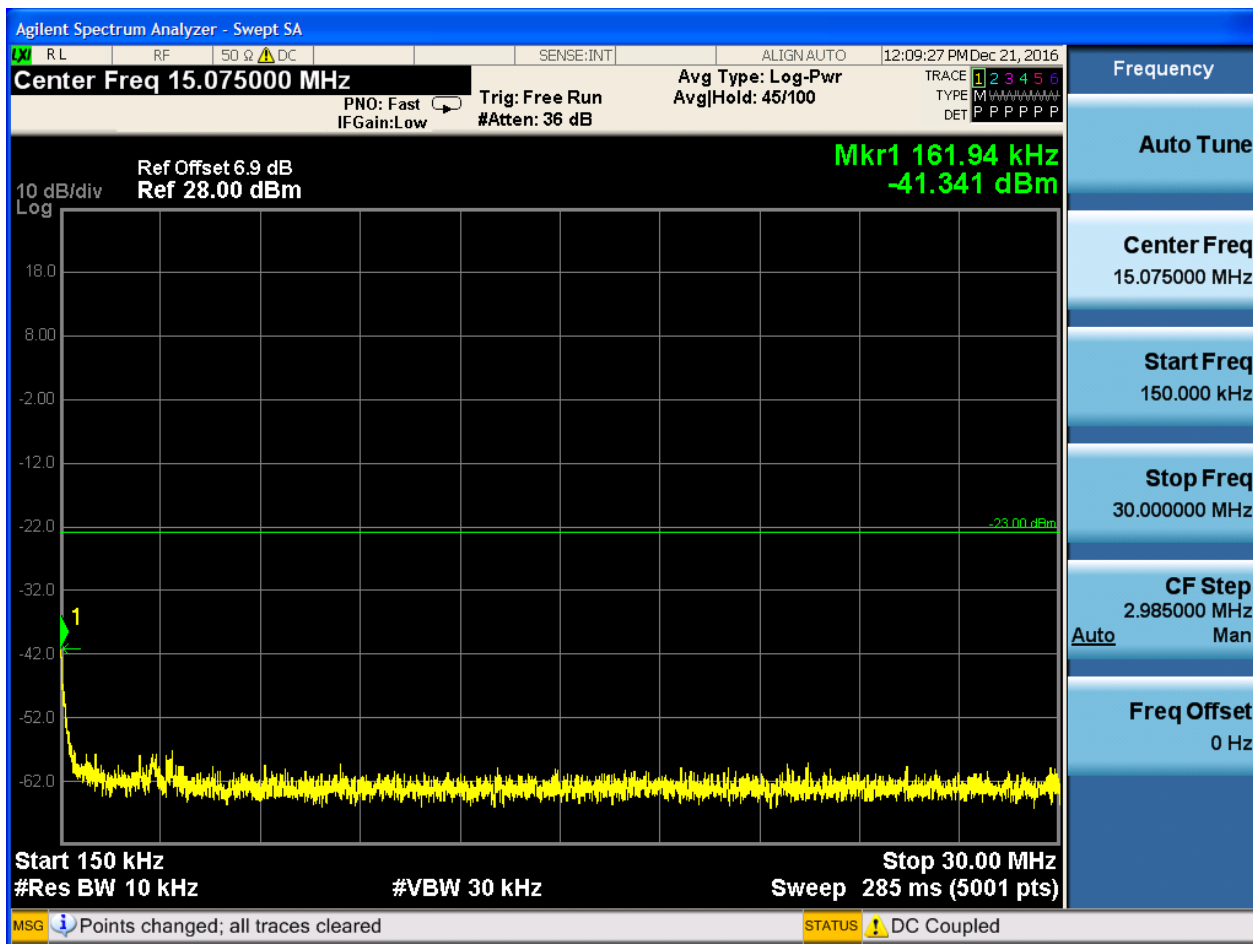
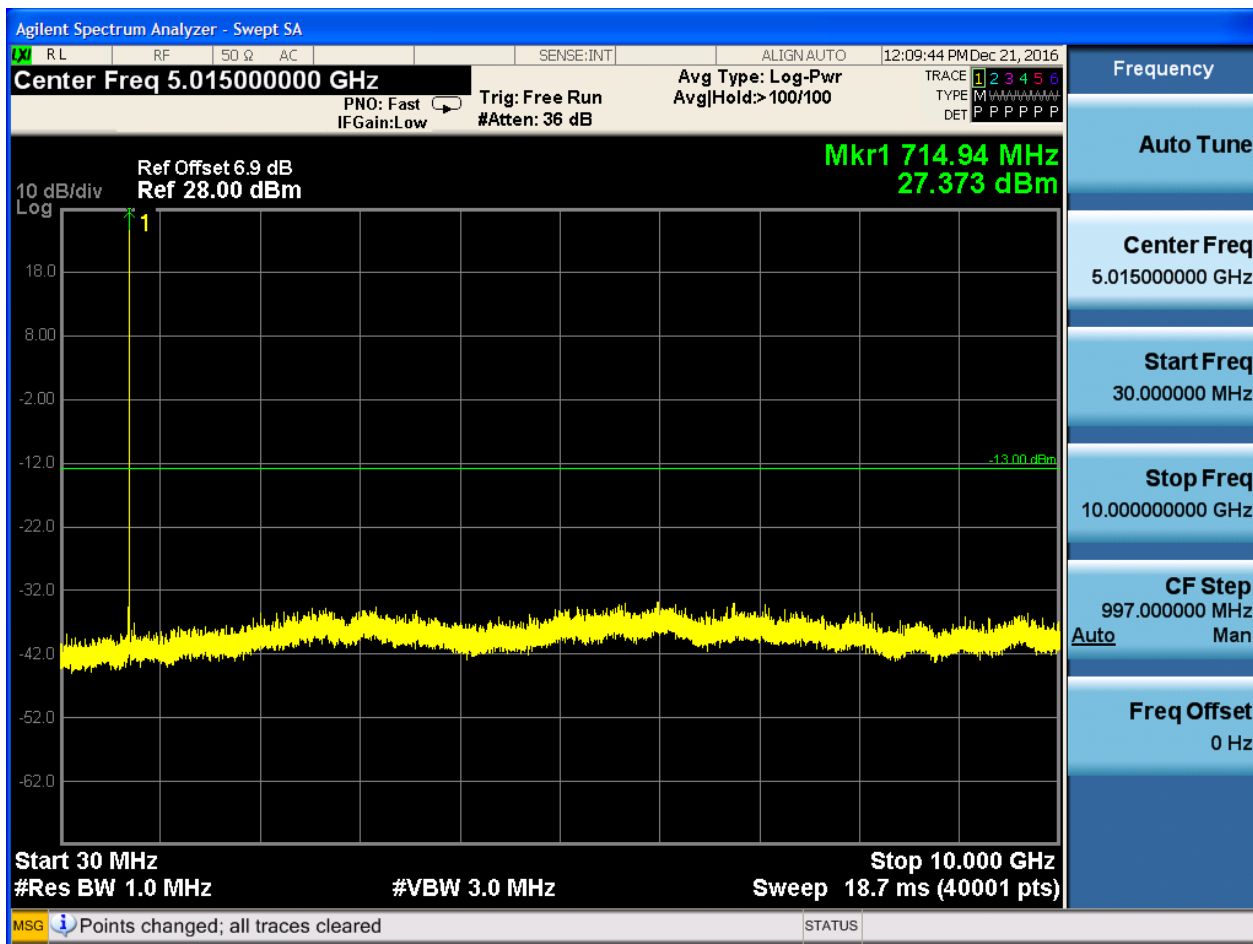


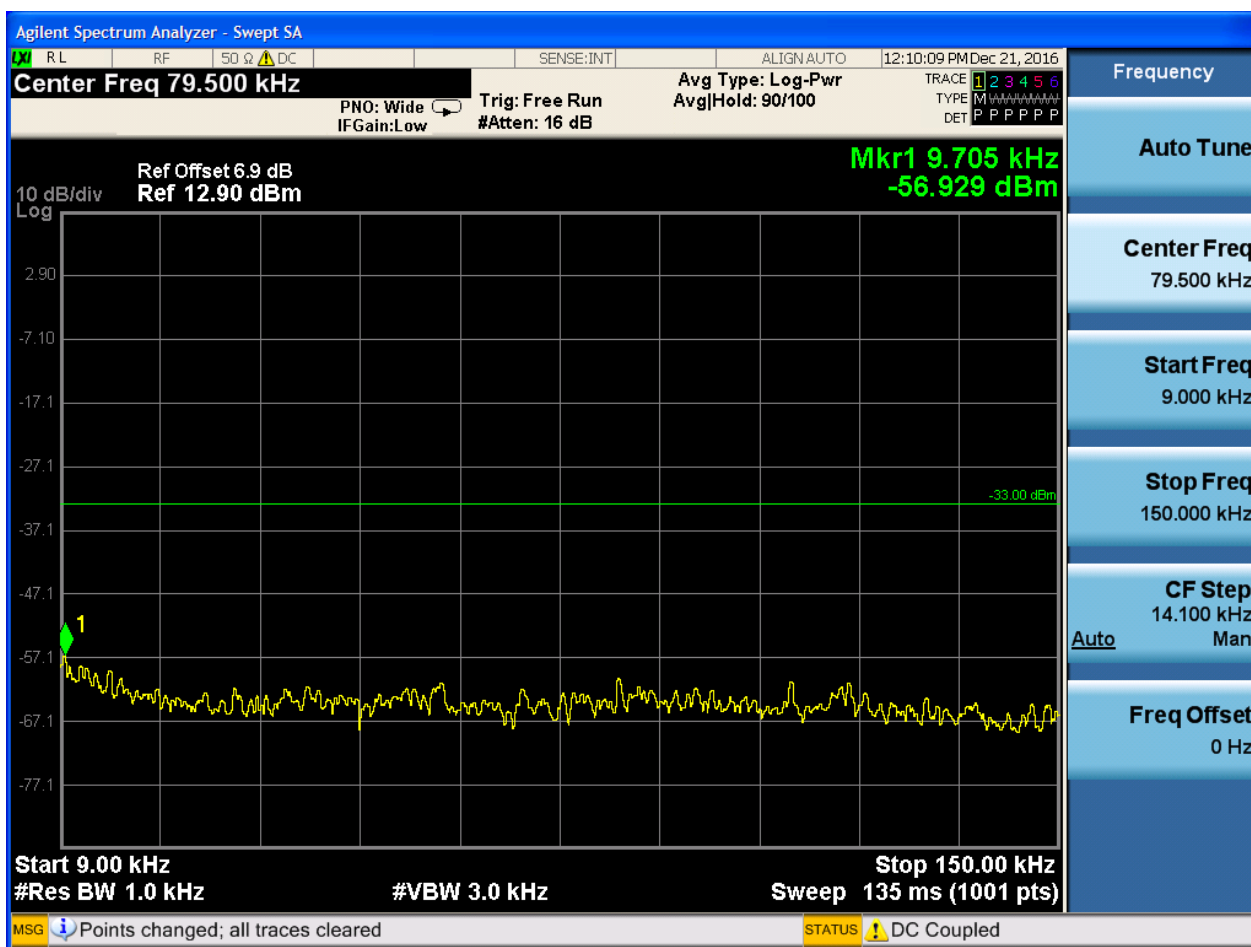


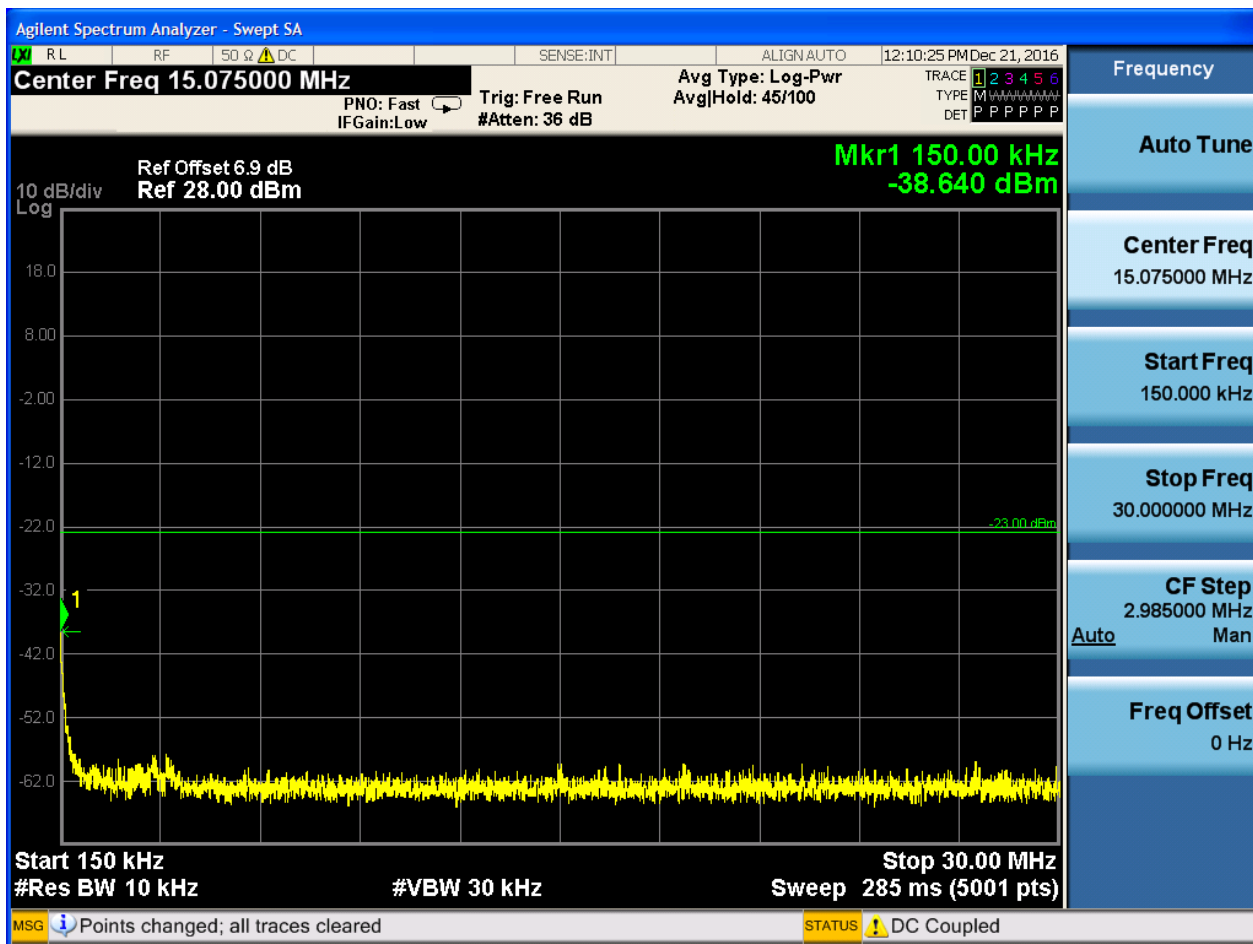


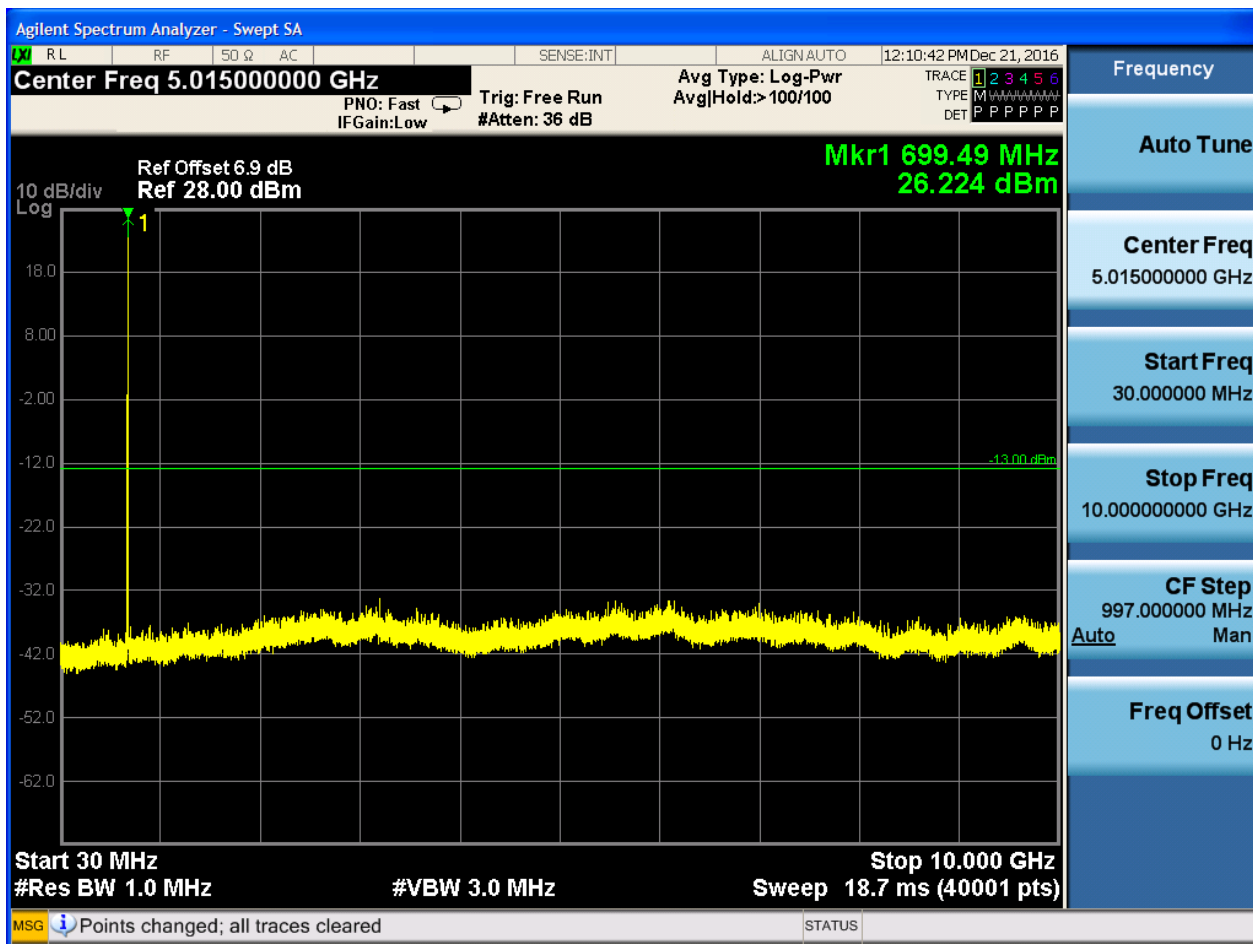
6.1.1.1.2 Test Bandwidth = 3

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



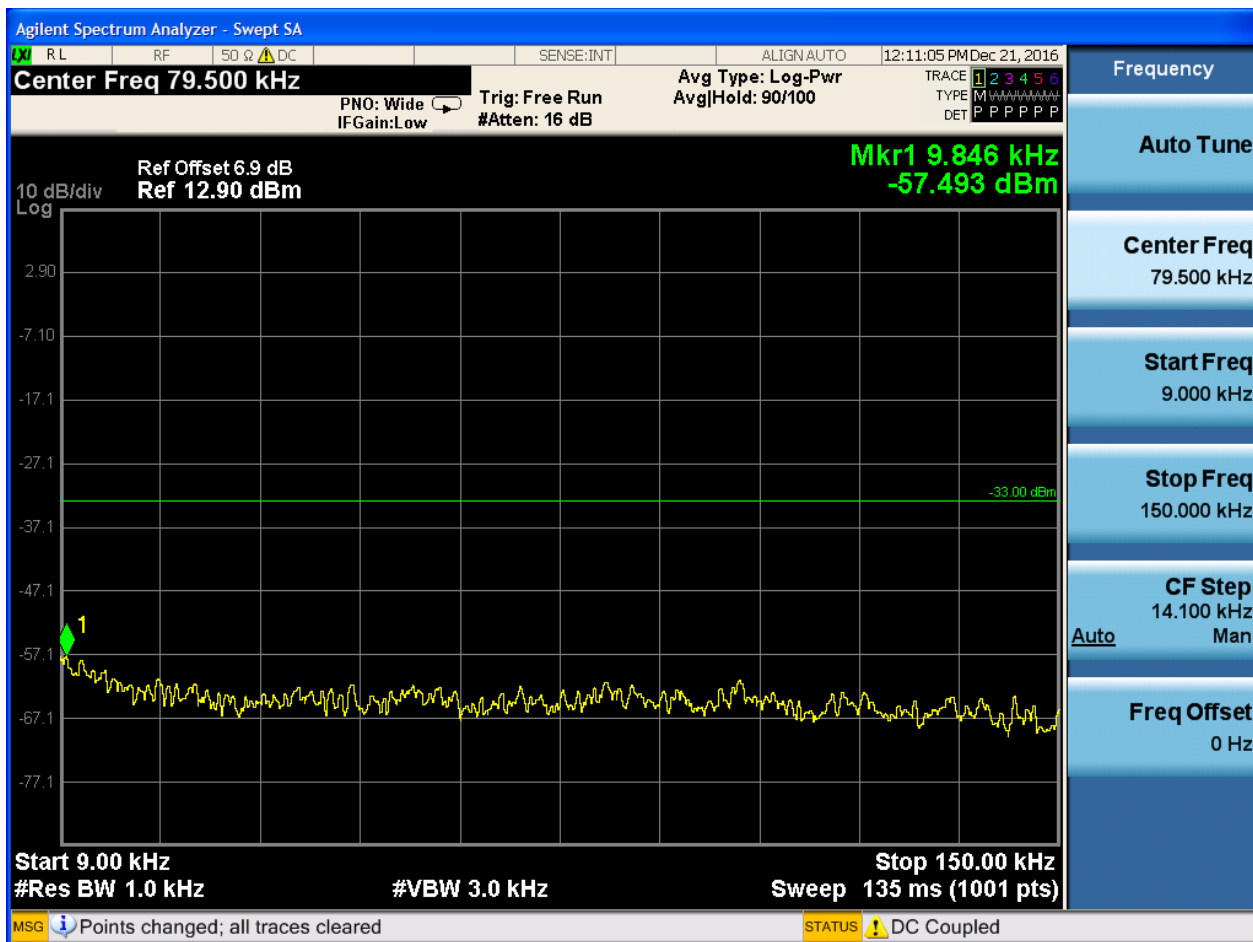


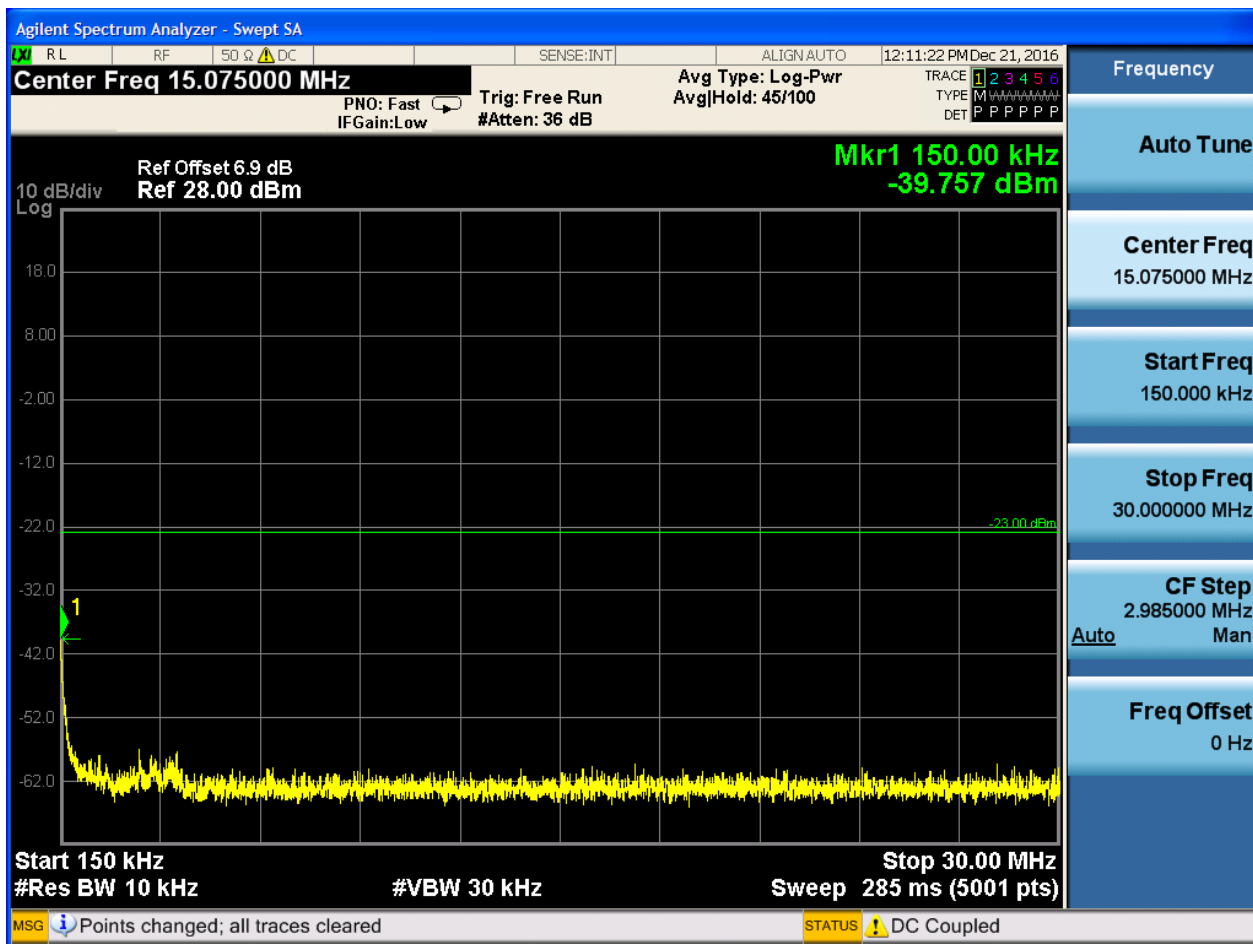


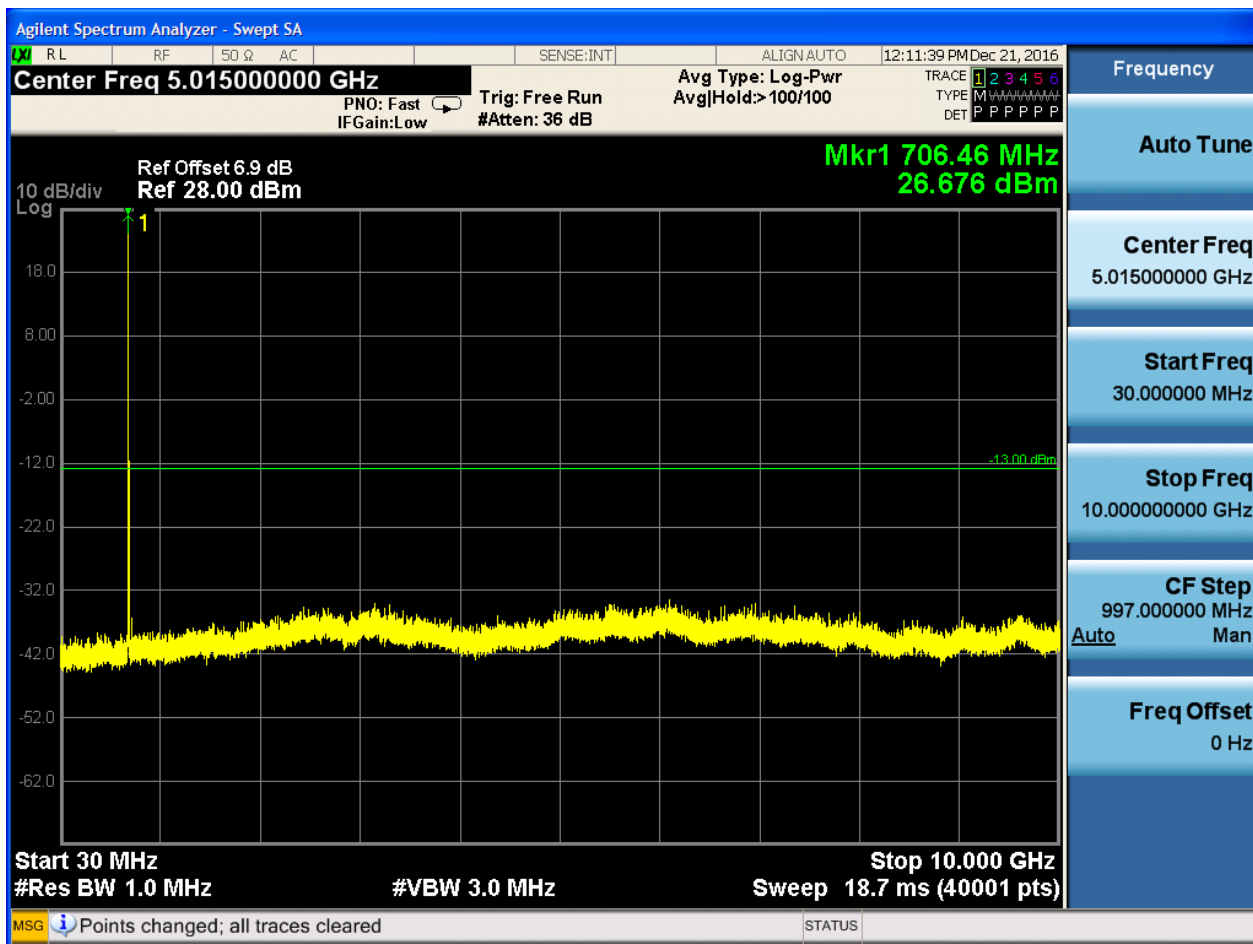


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



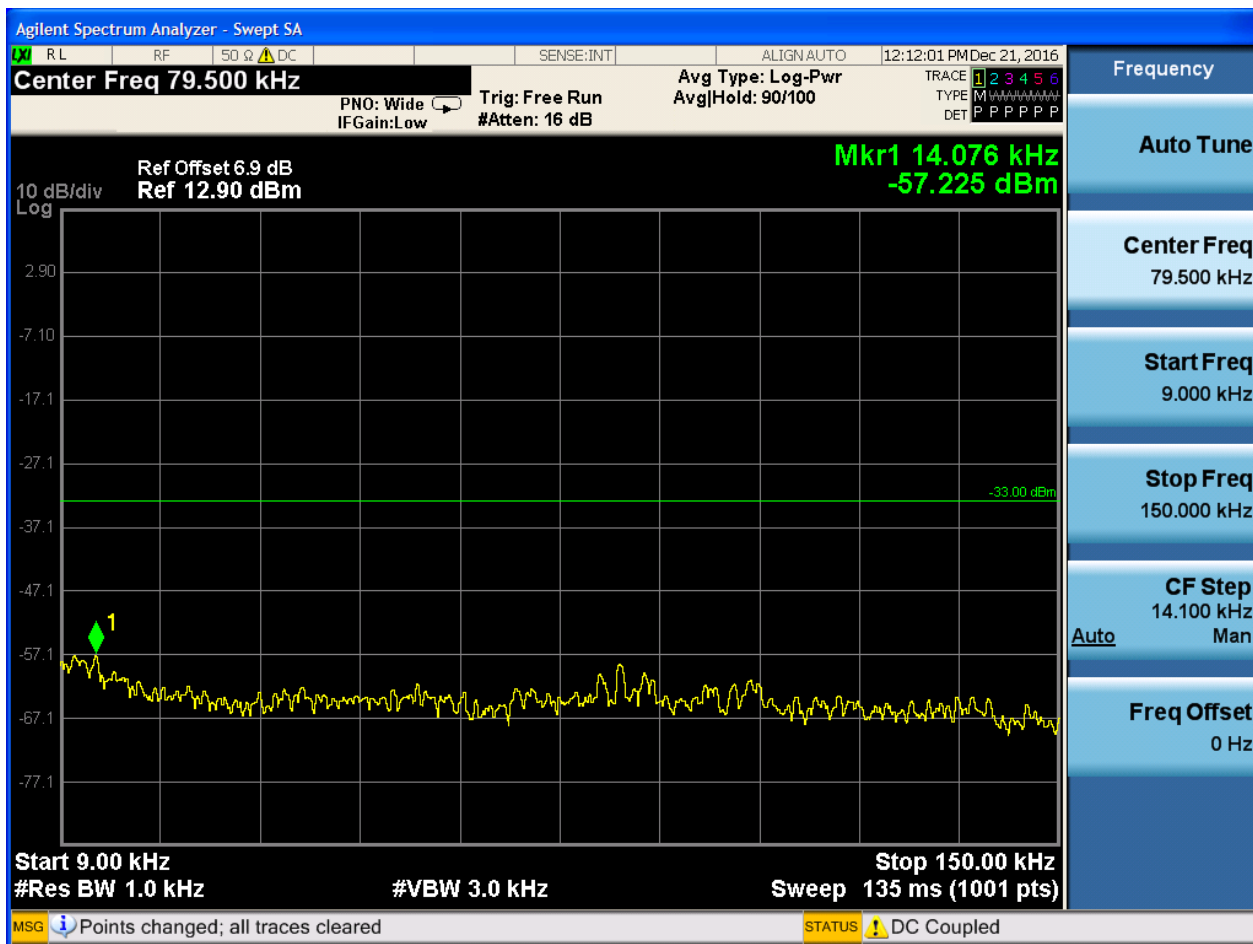


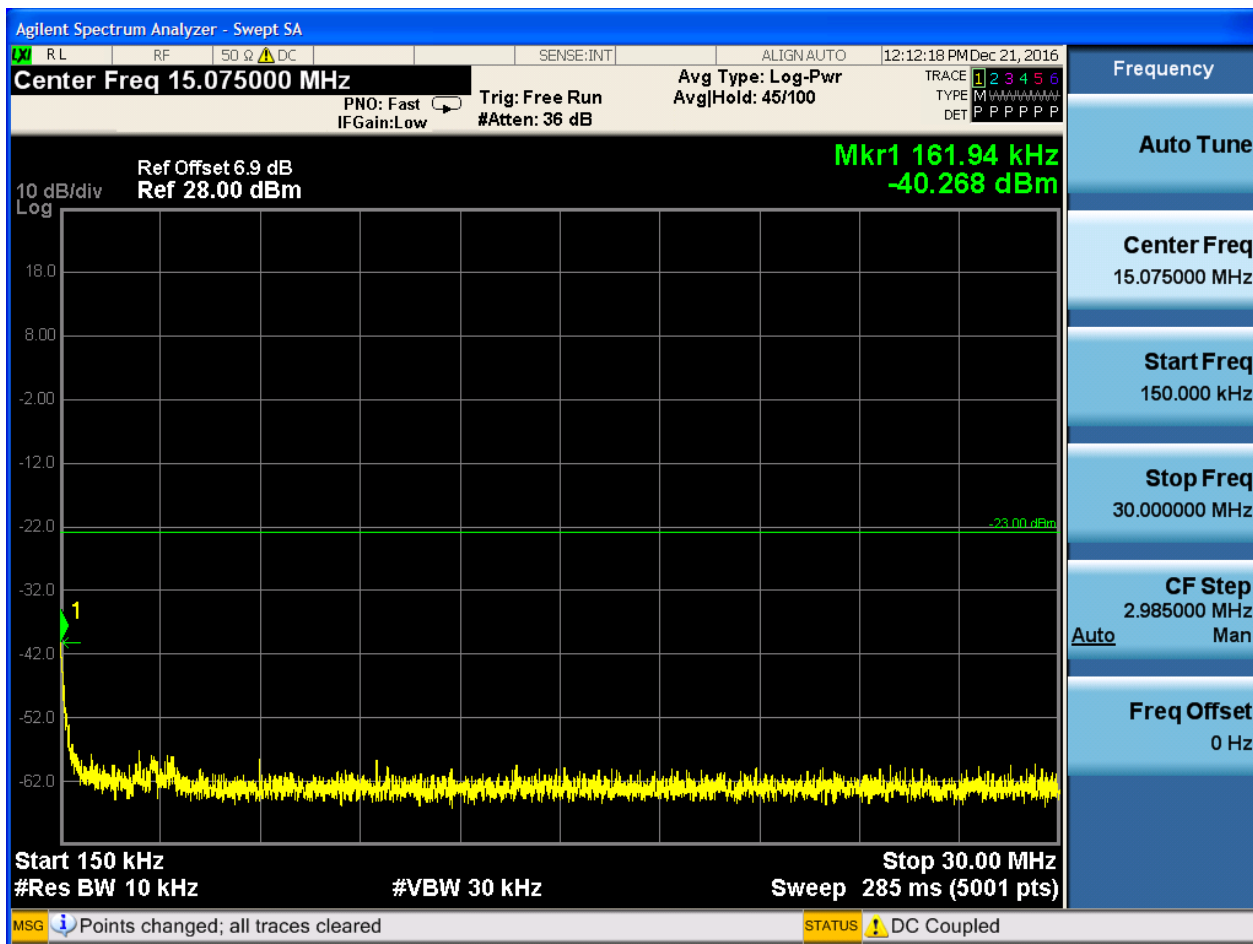


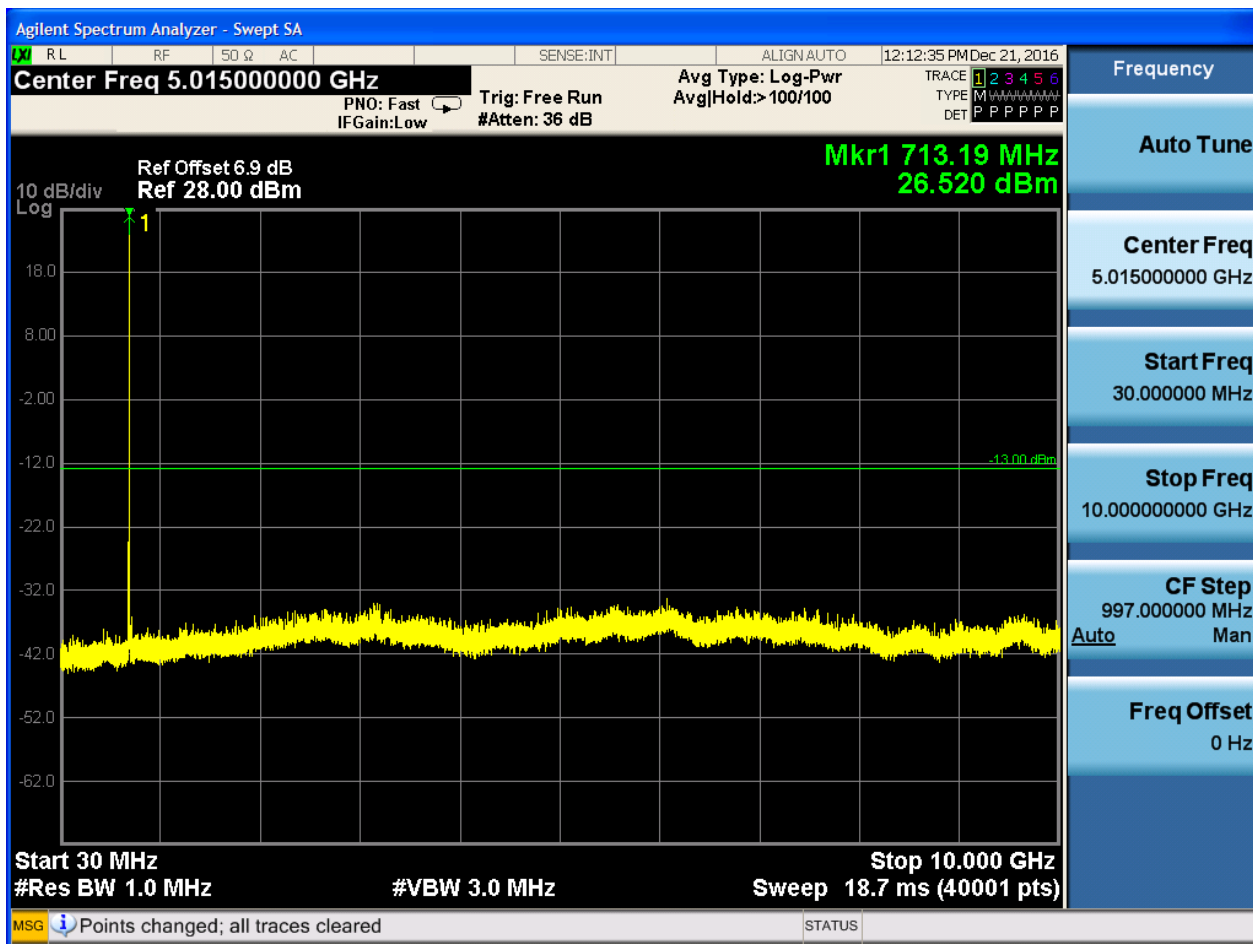


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



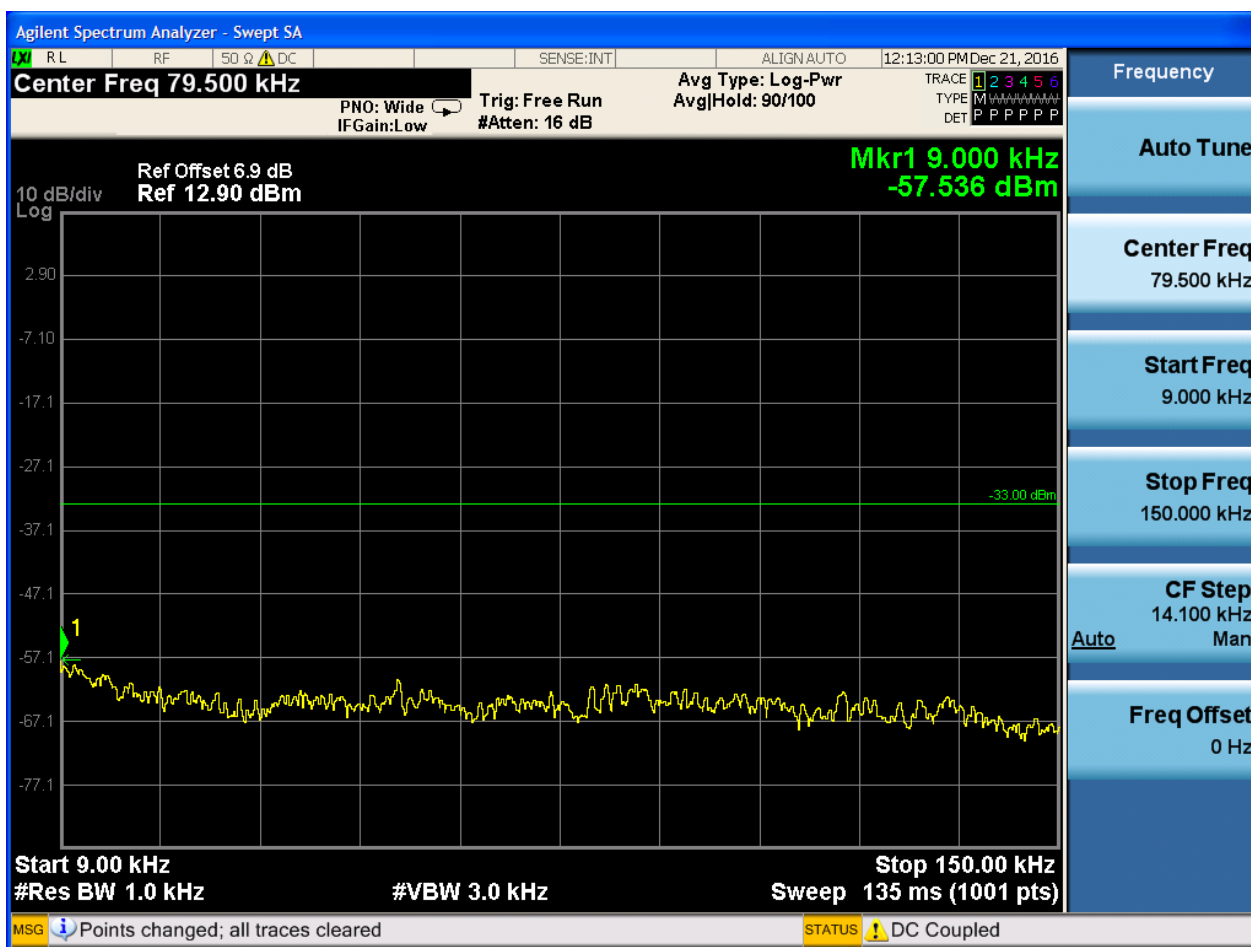


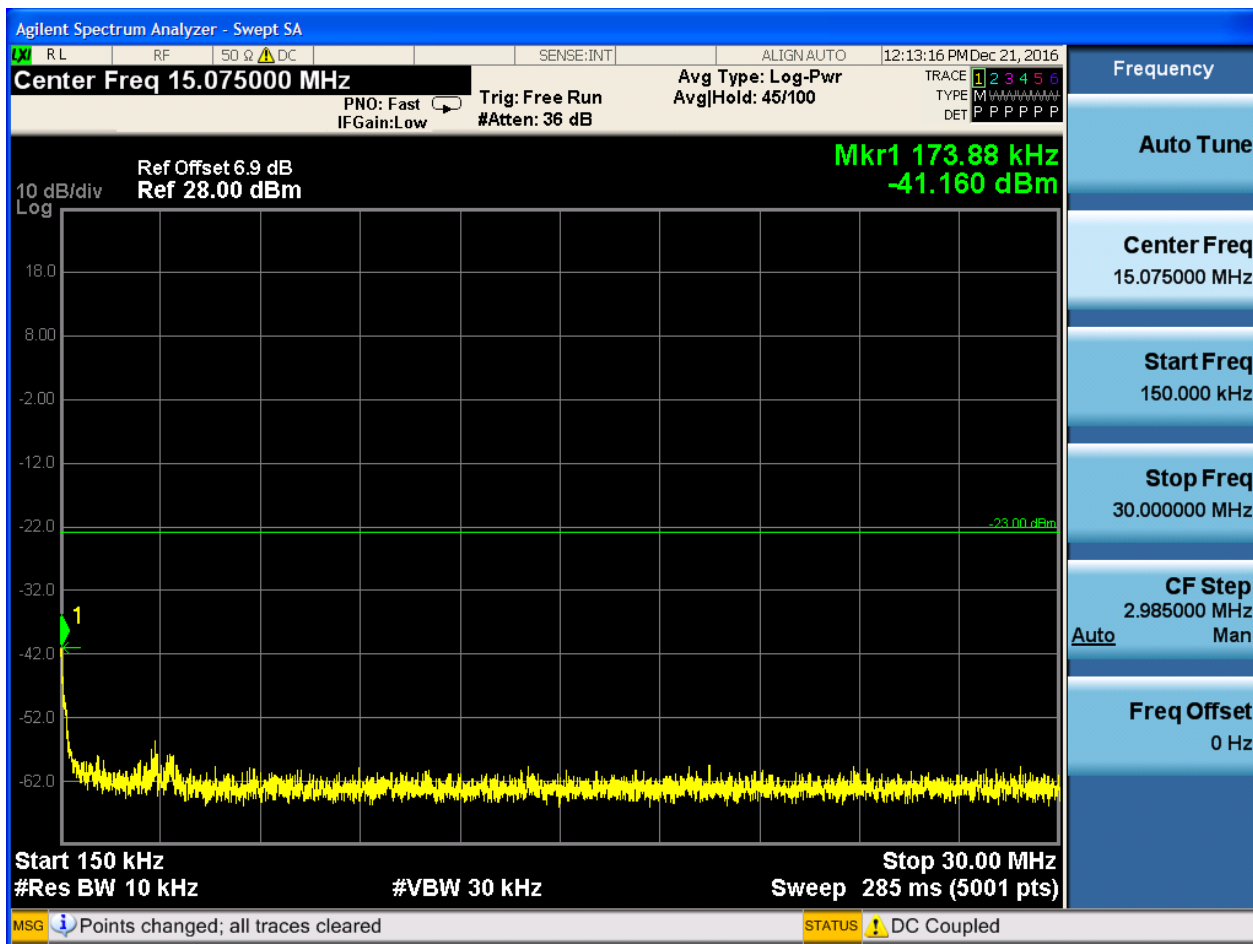


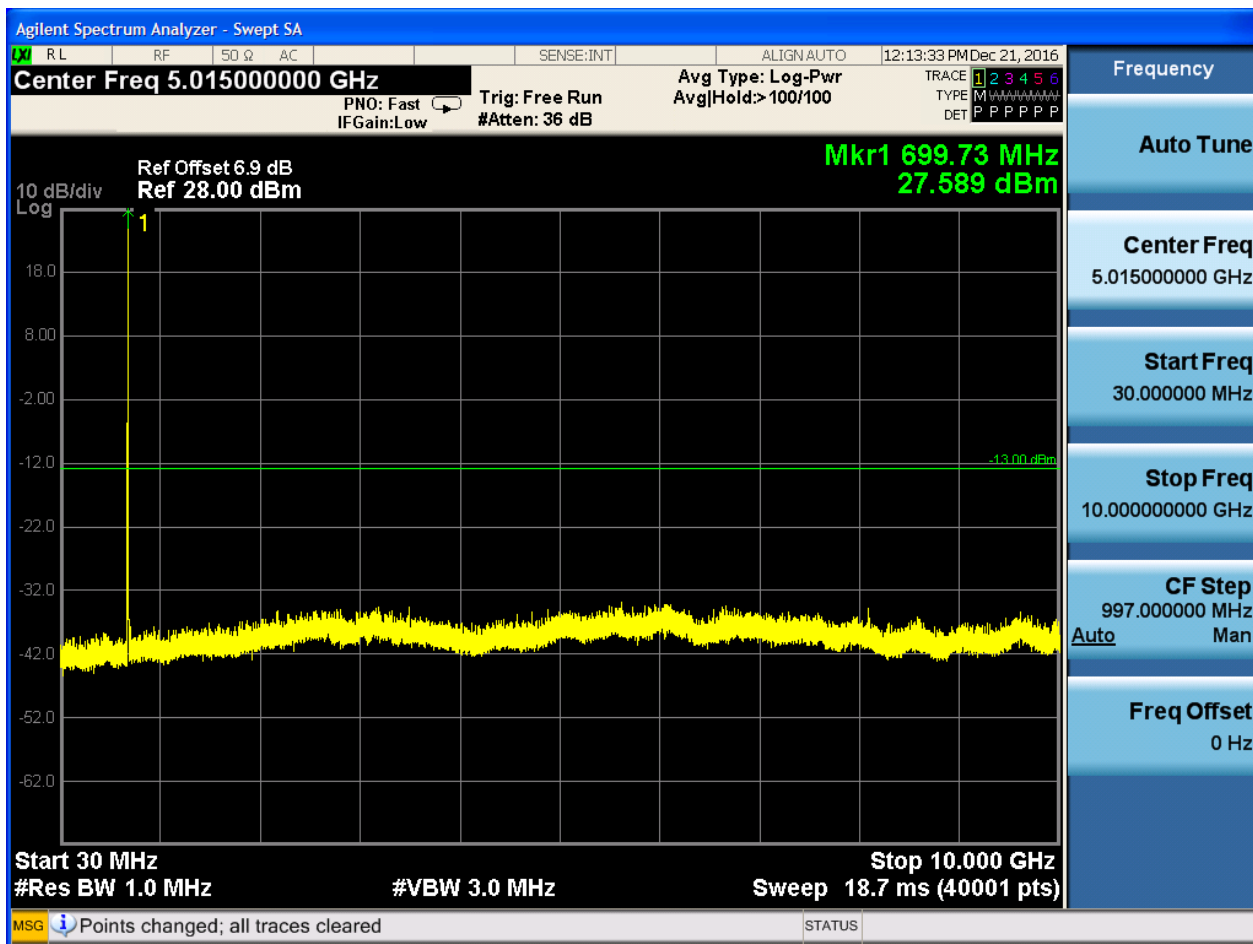
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



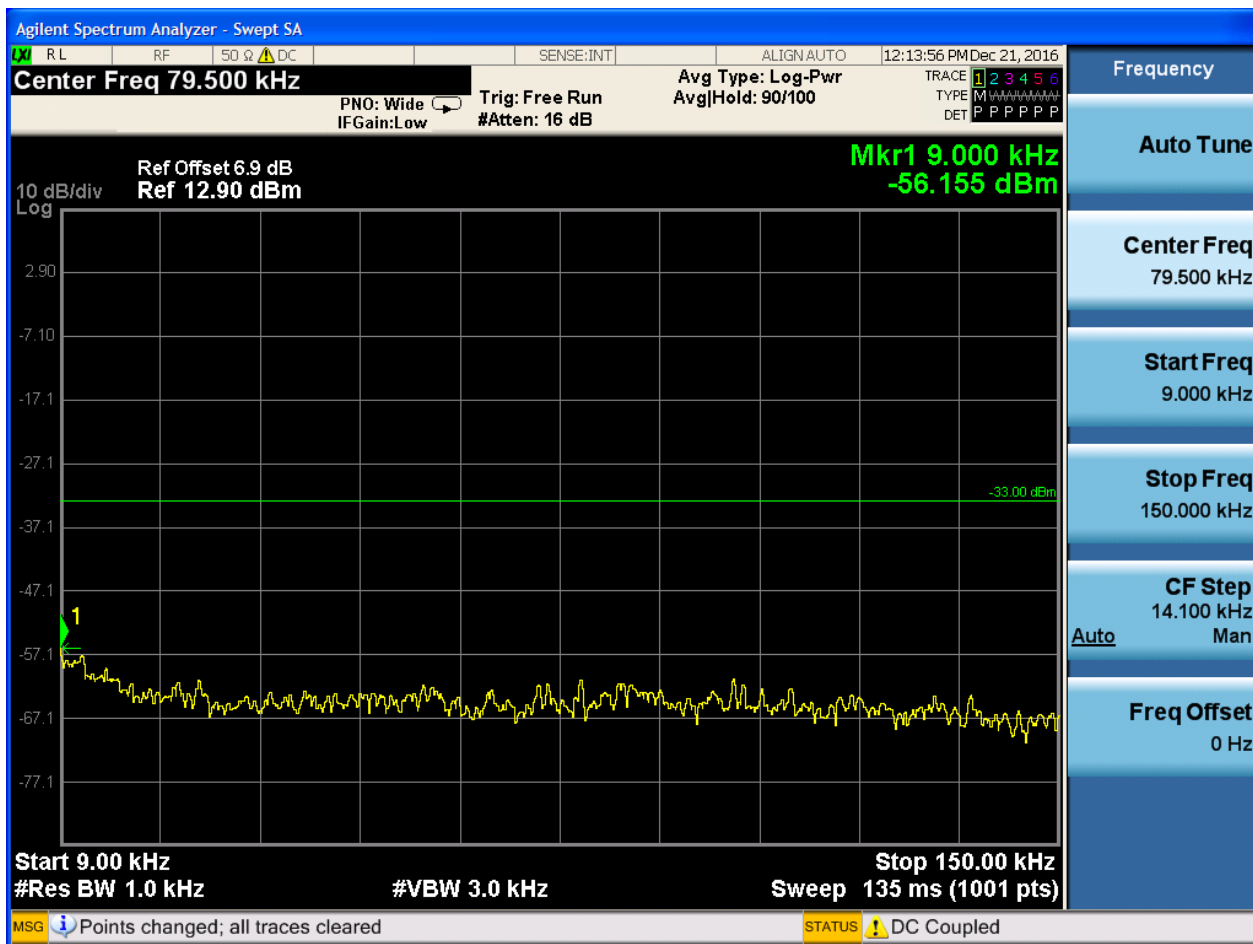


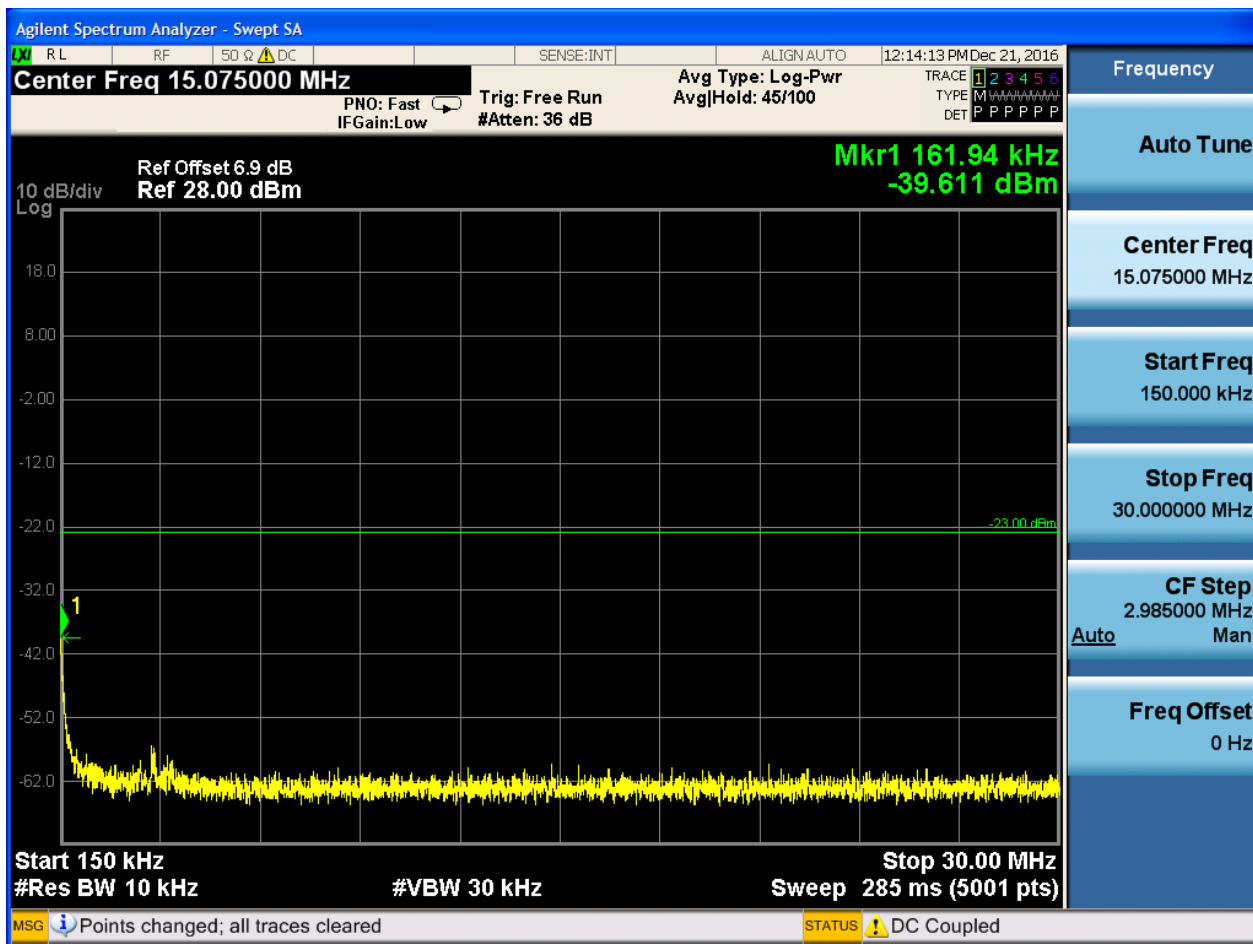


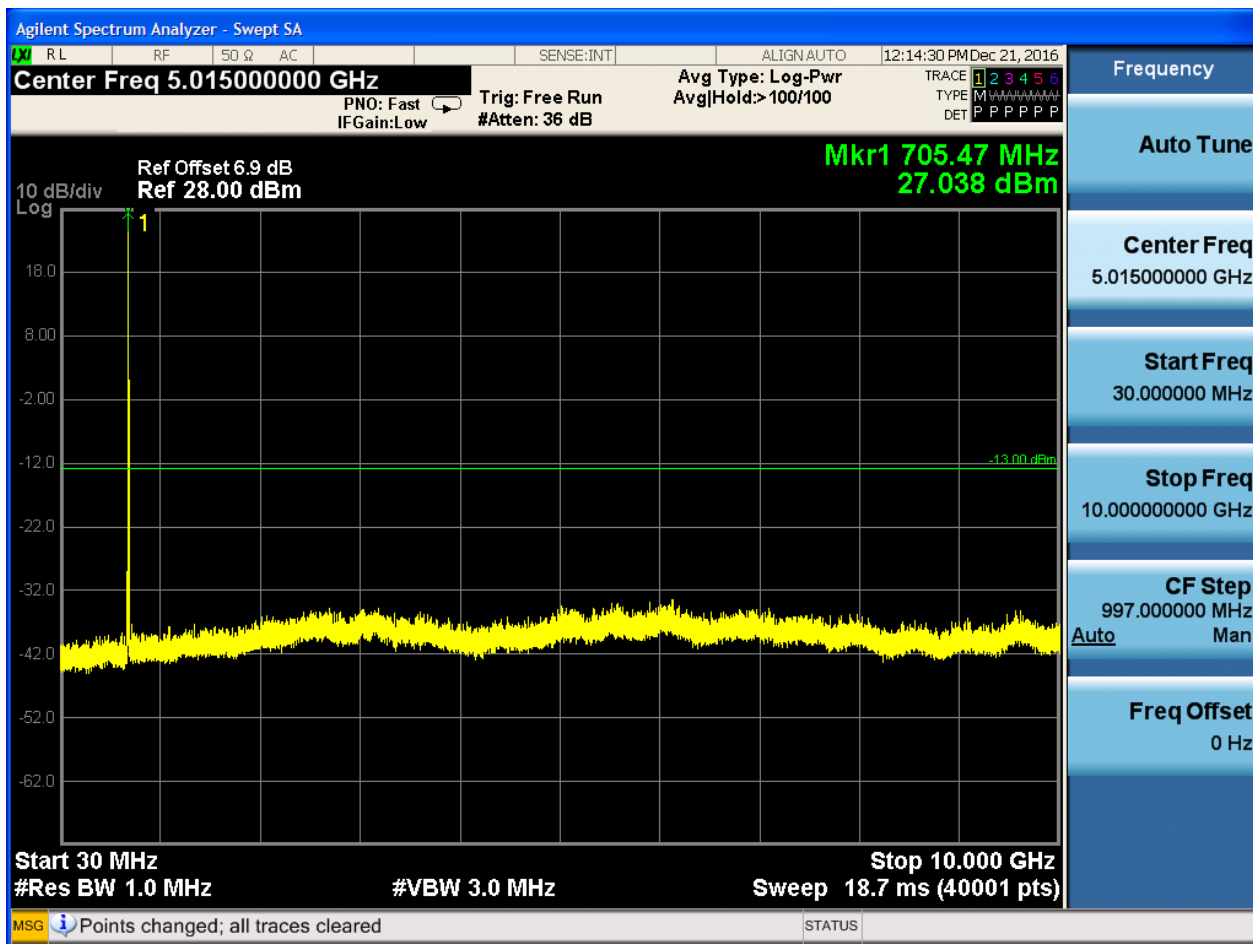


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



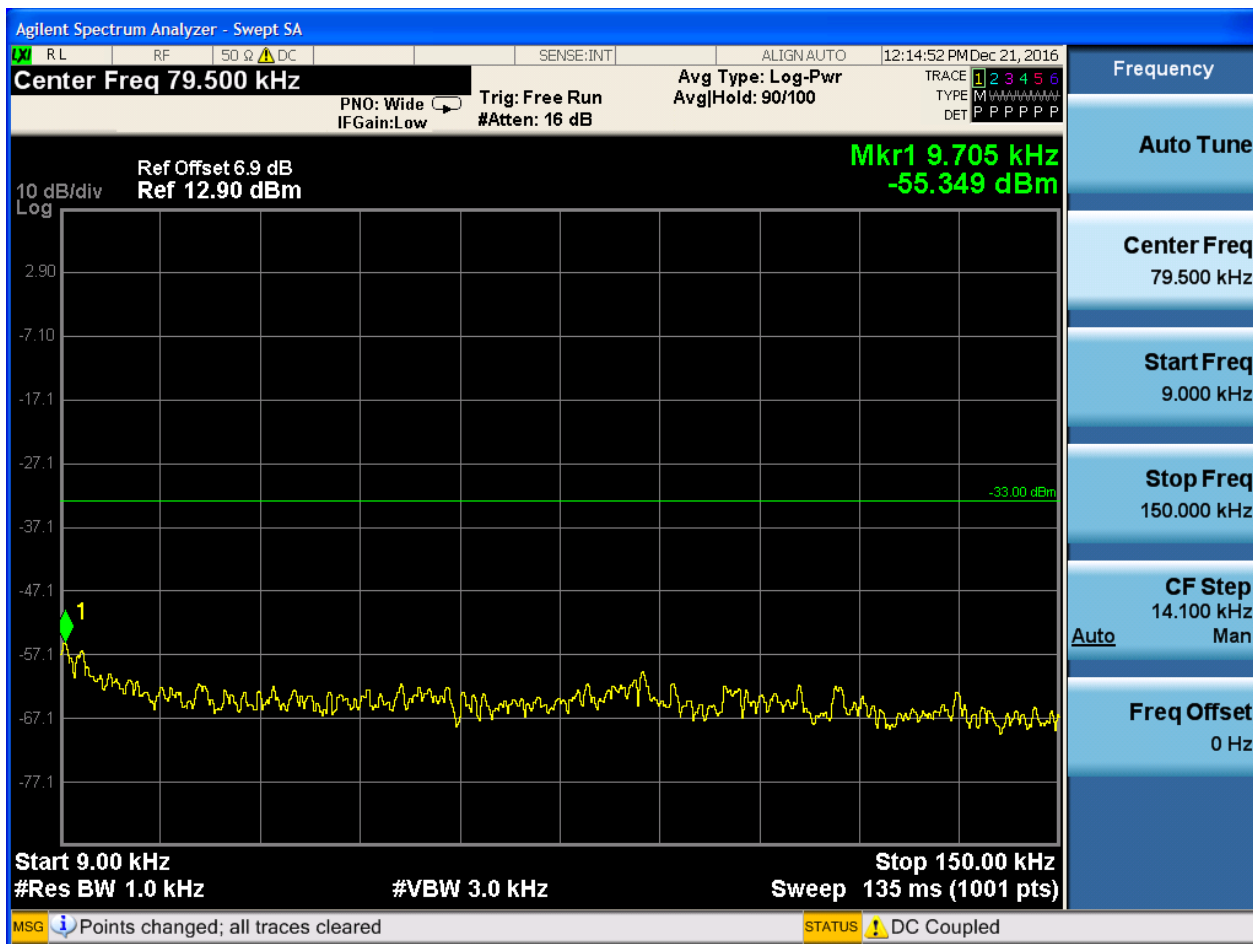


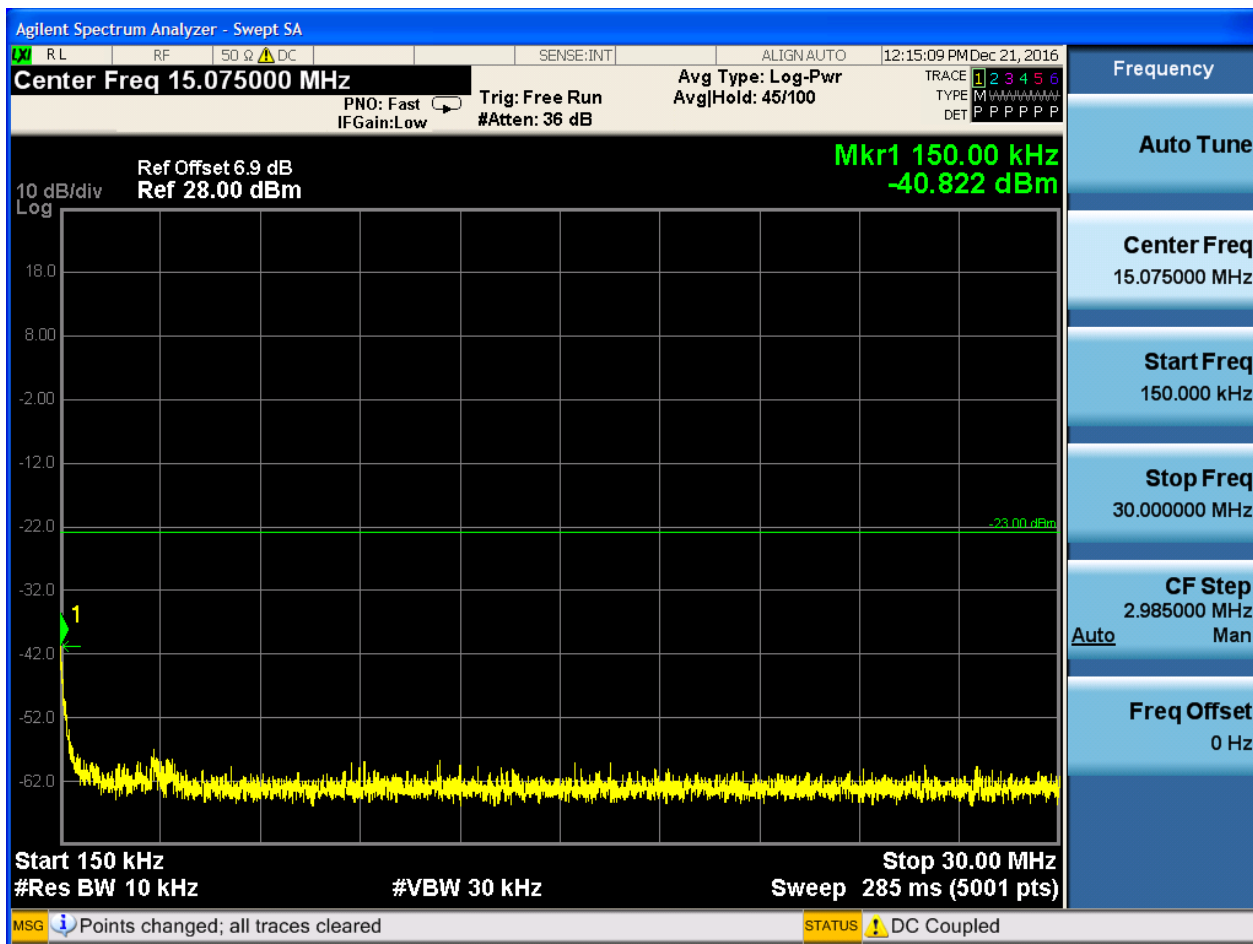


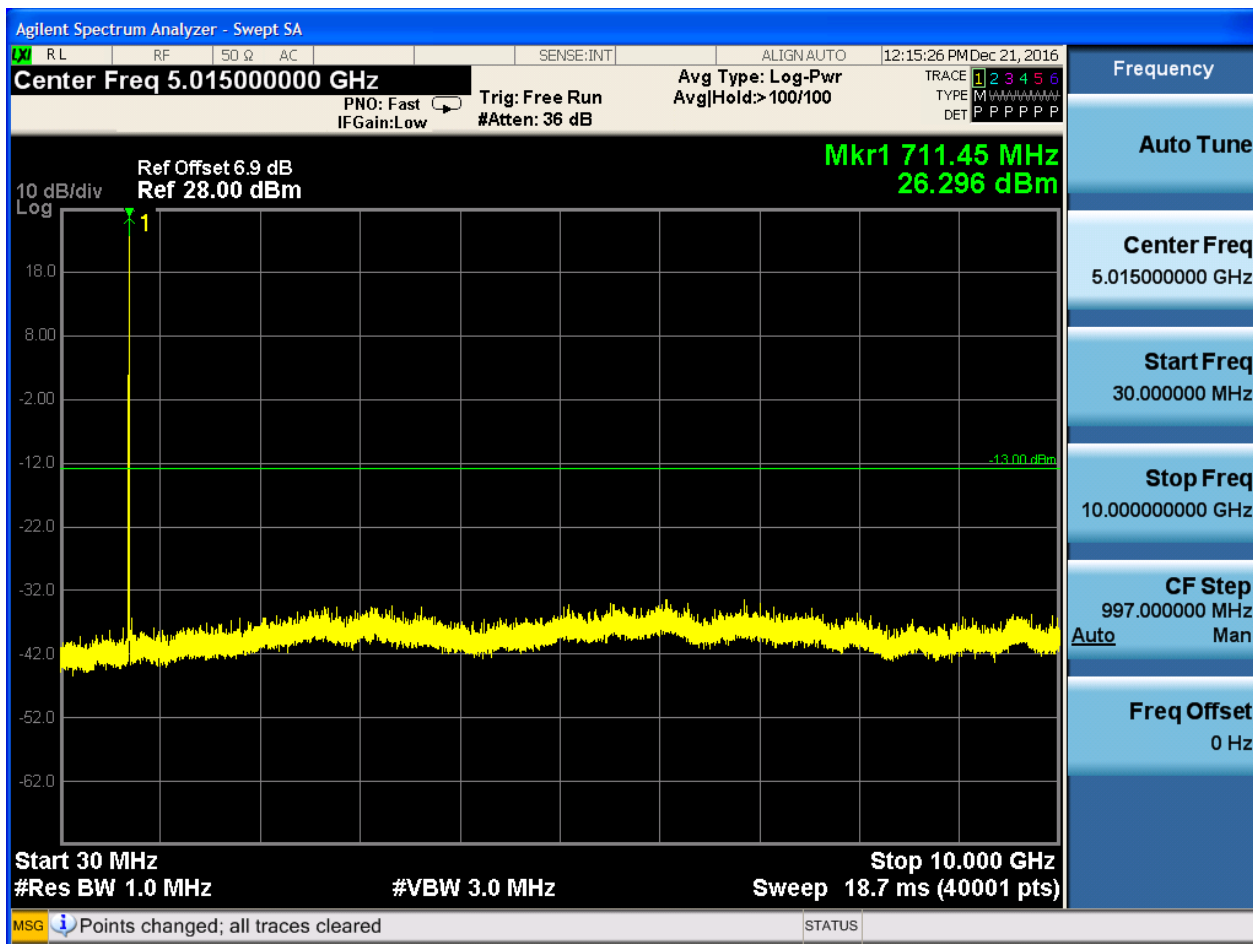


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



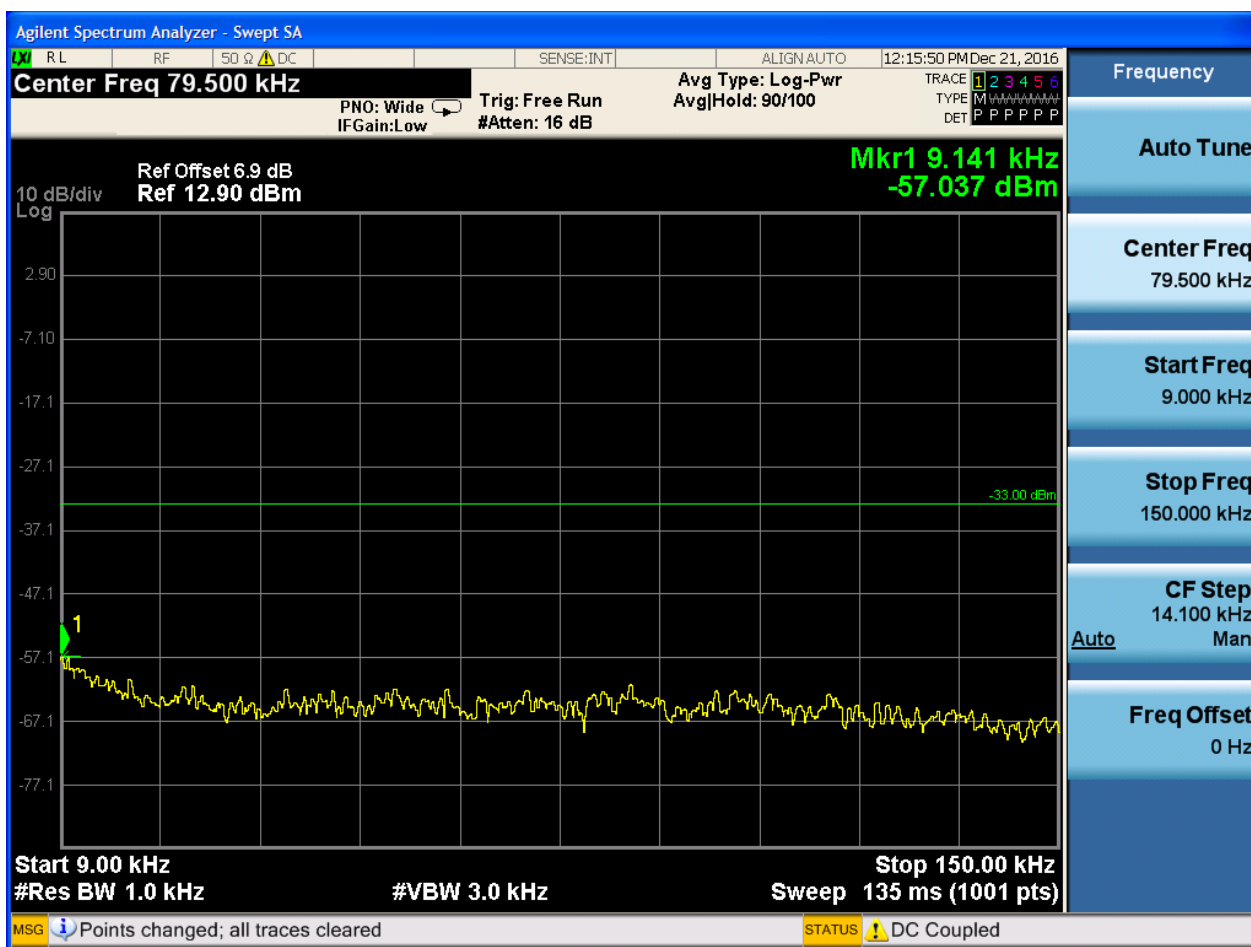


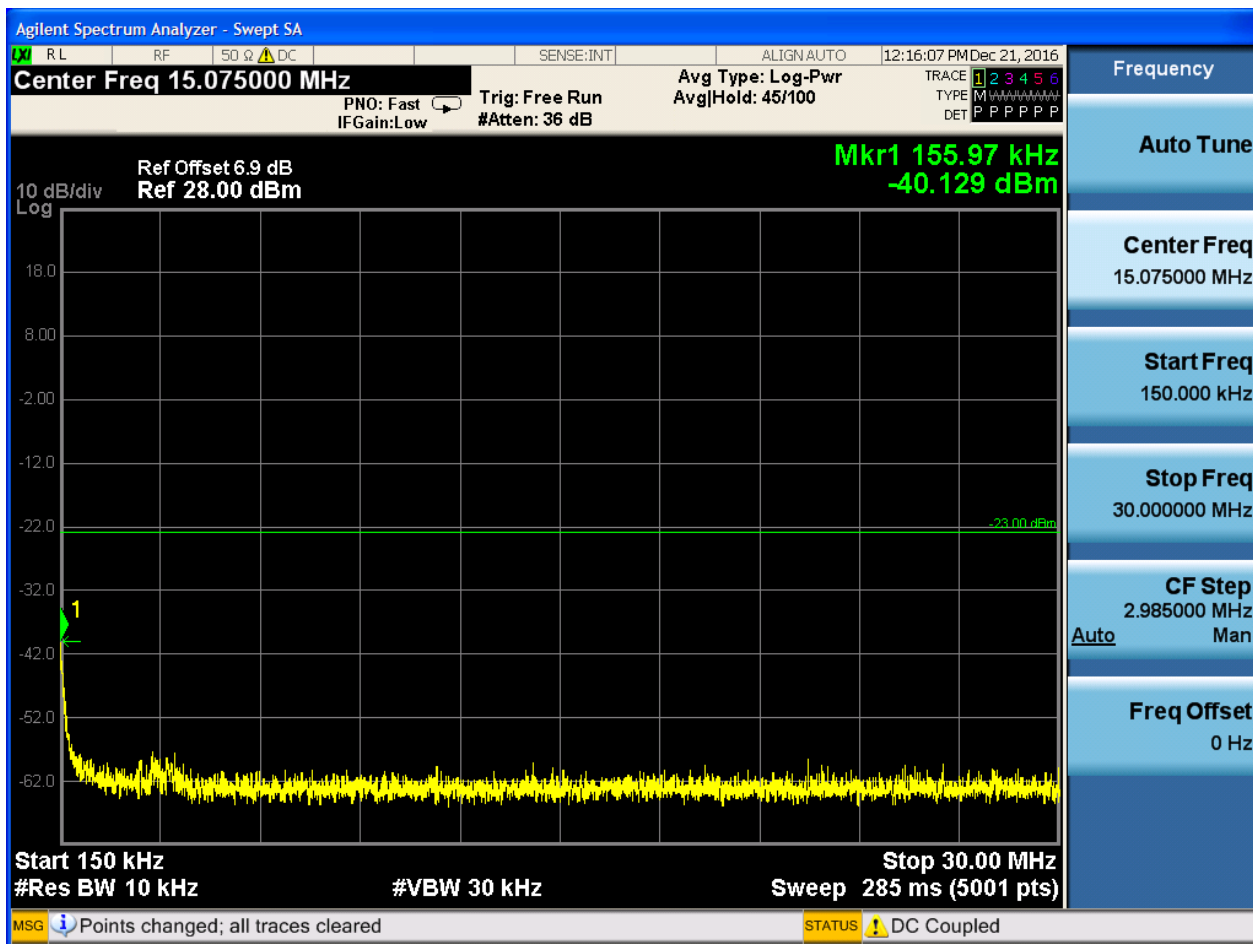


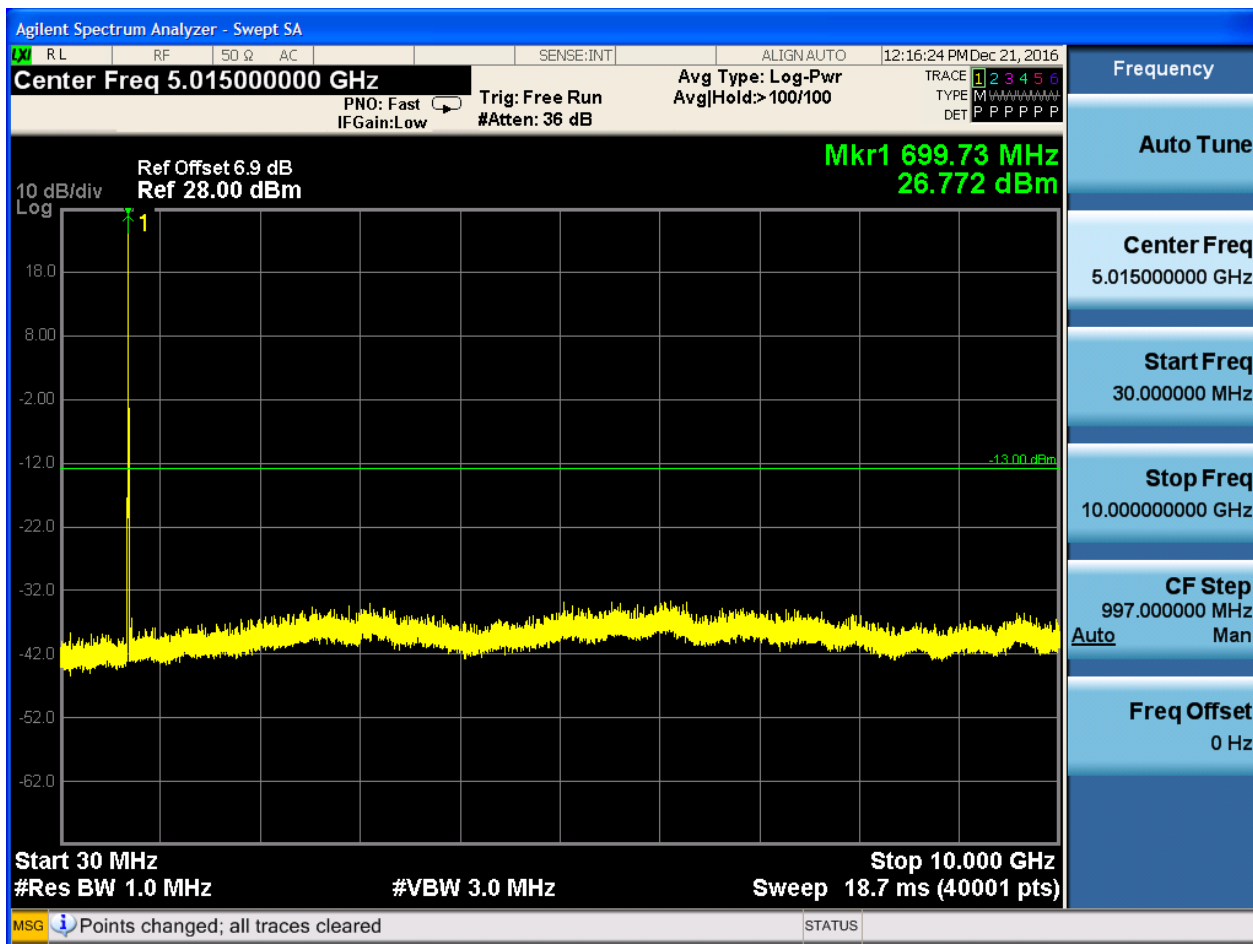
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

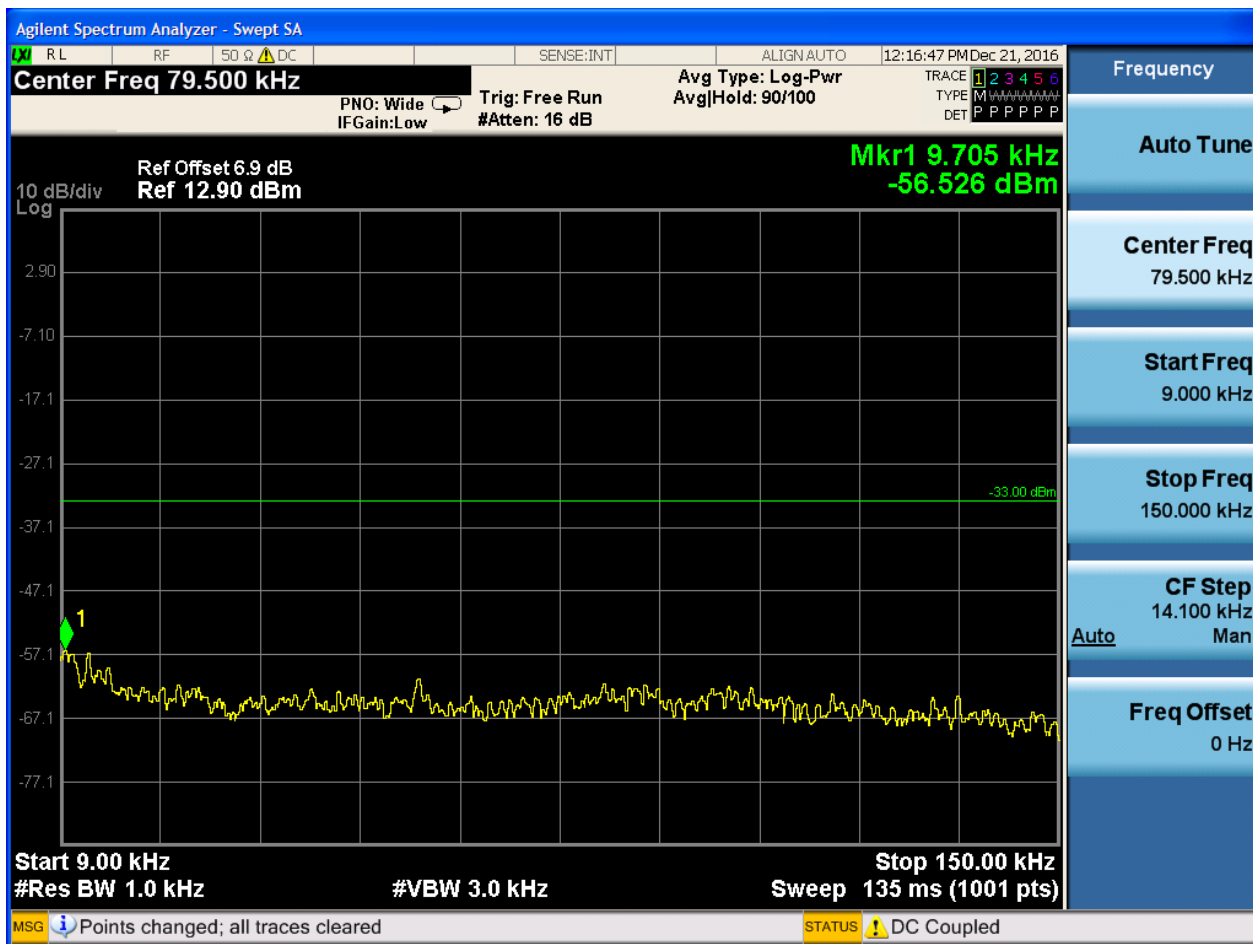


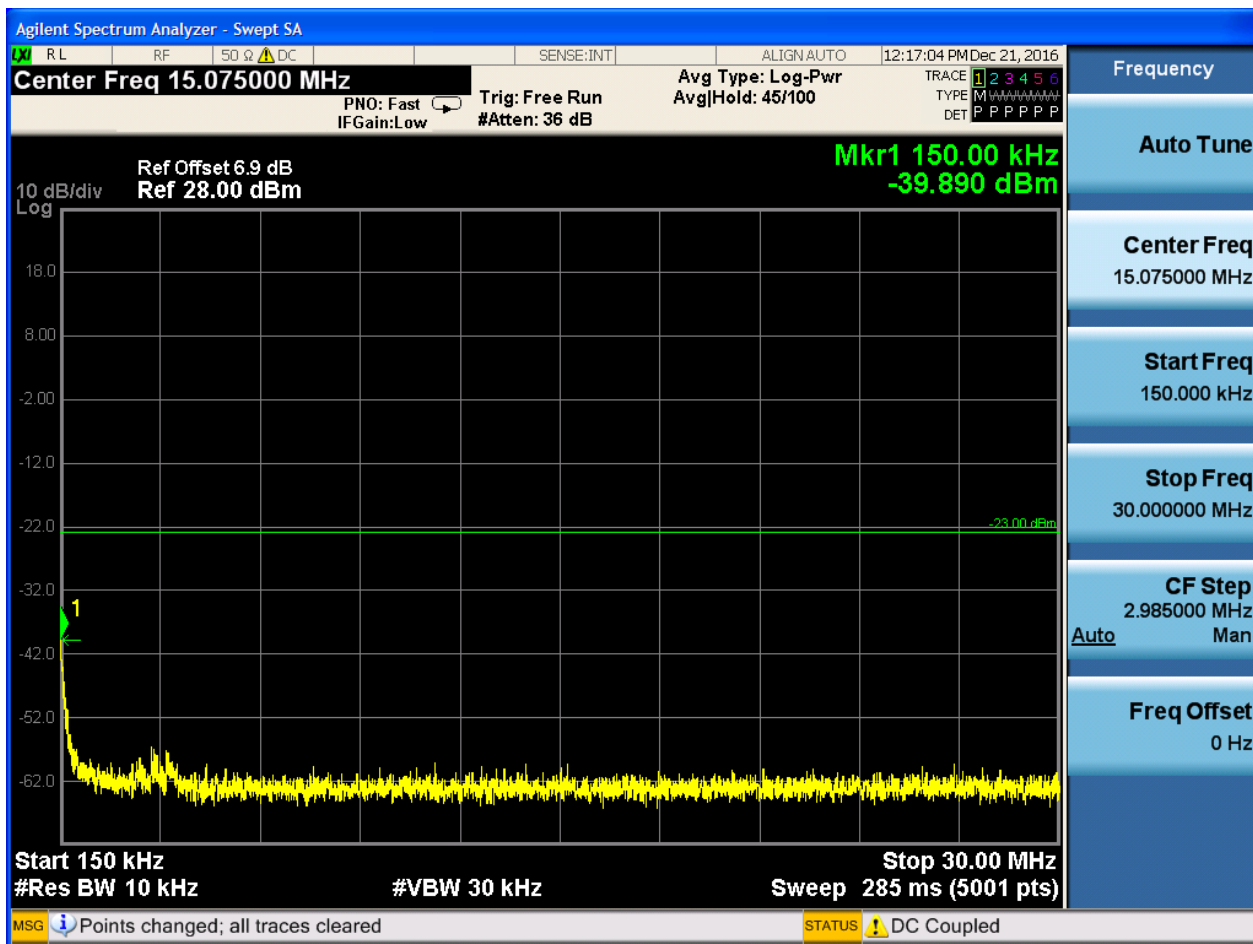


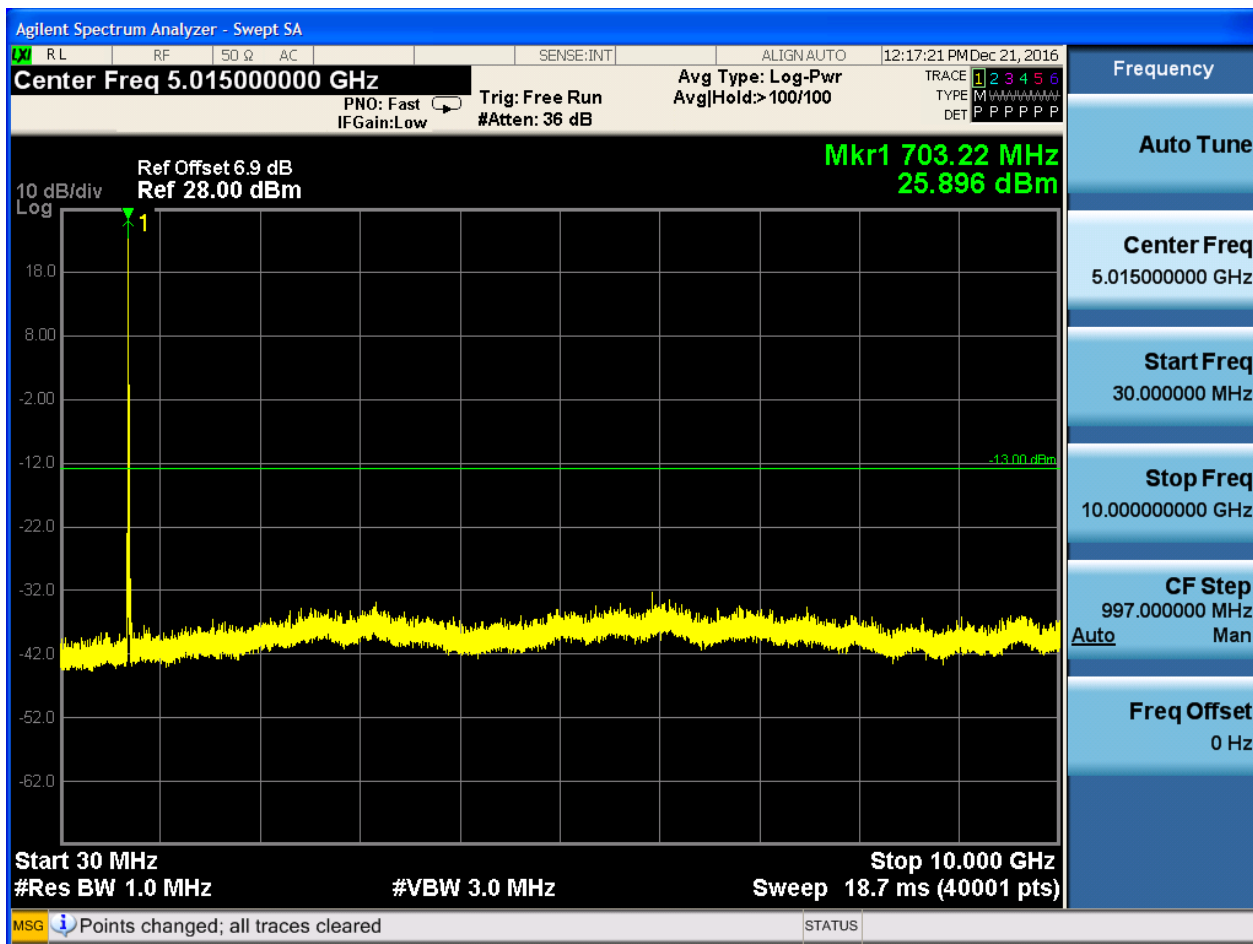


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



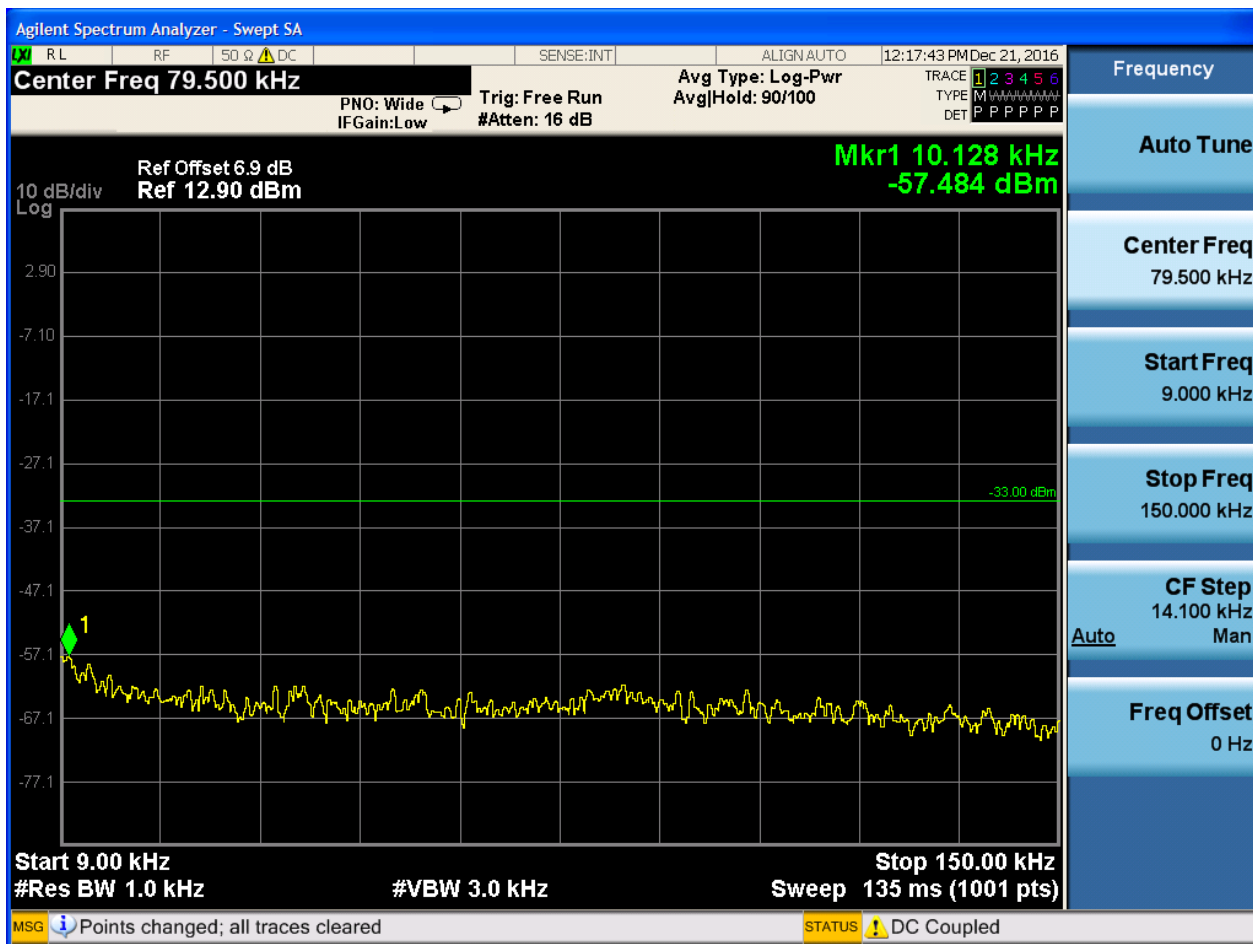


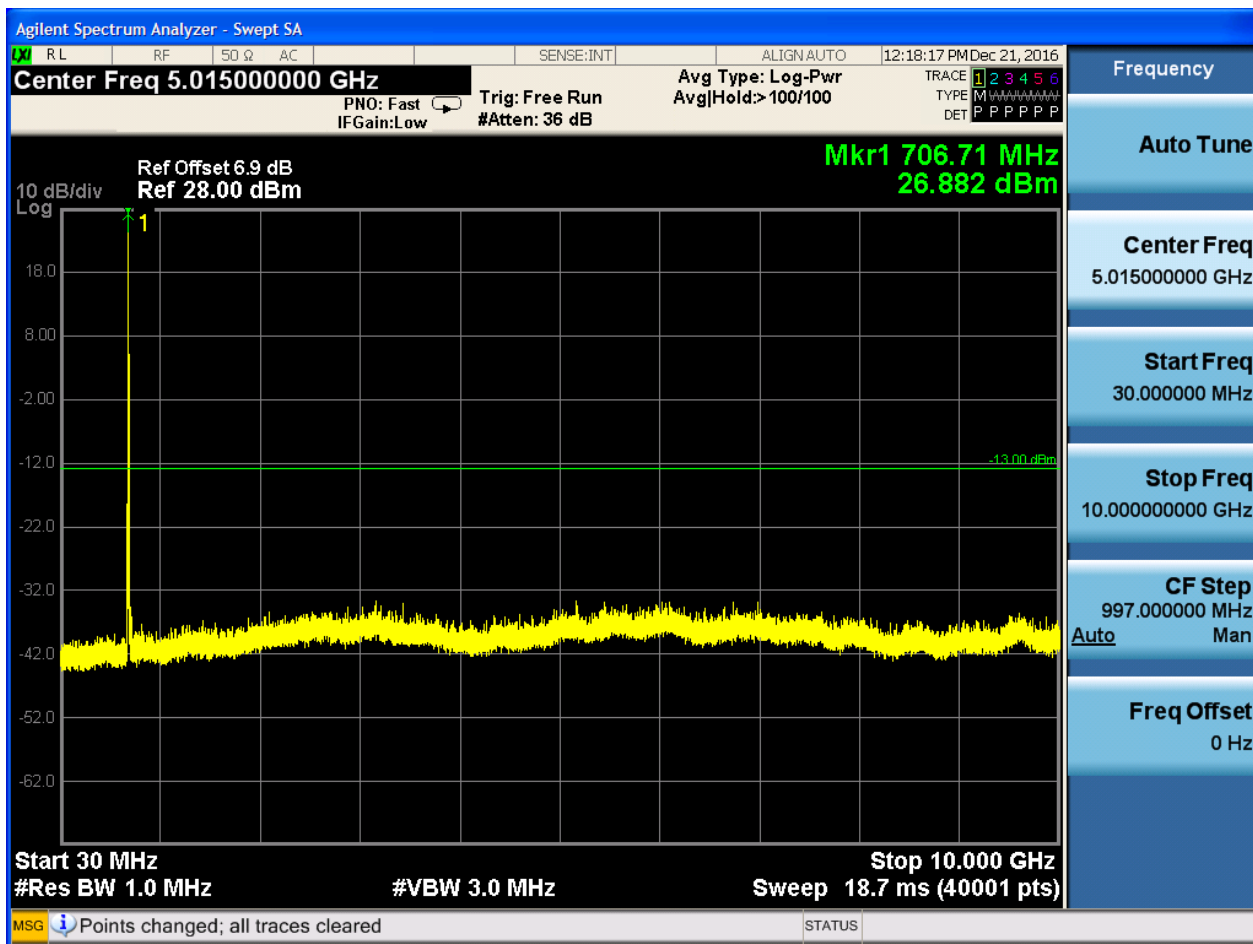




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





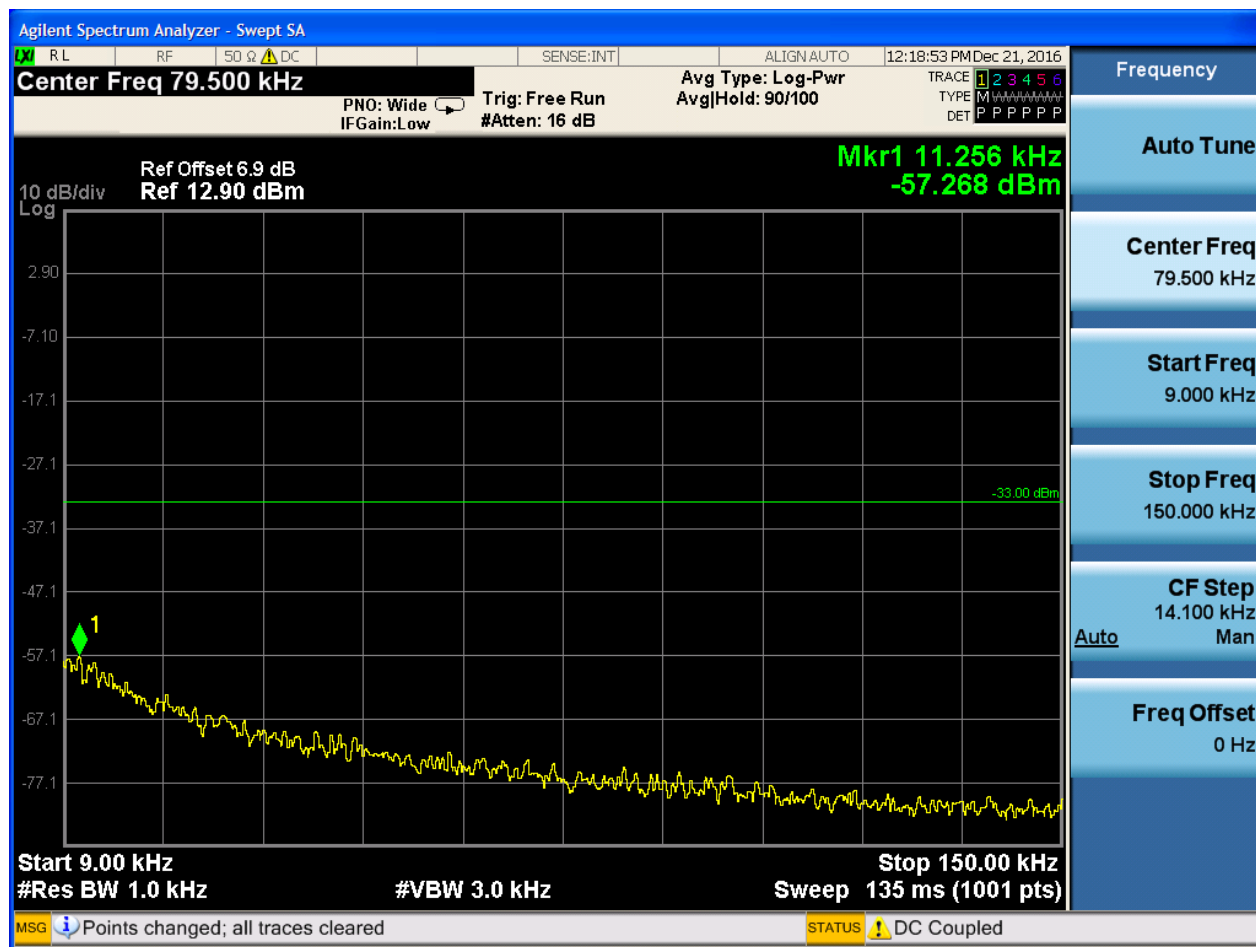


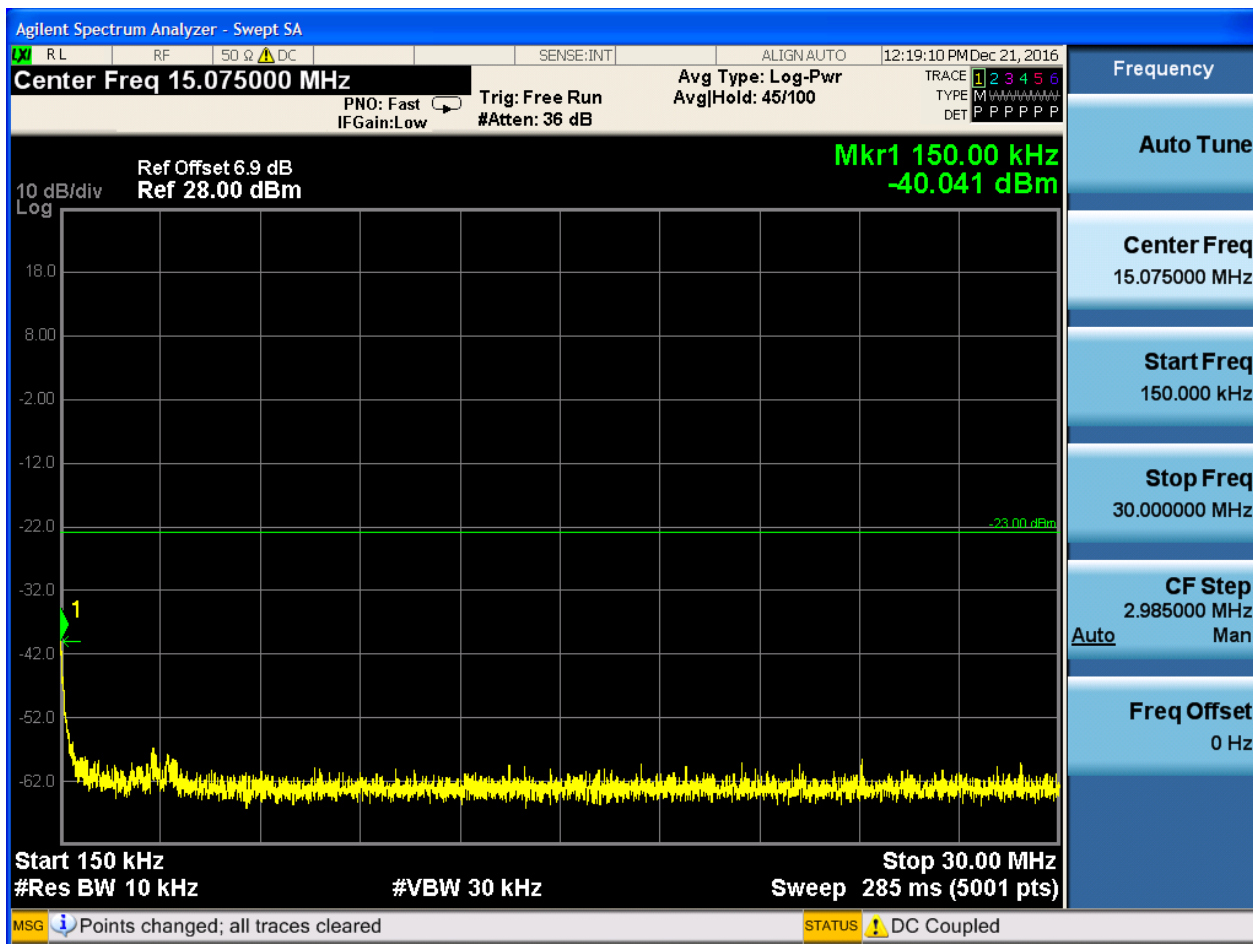
6.1.1.2 Test Mode = LTE/TM2

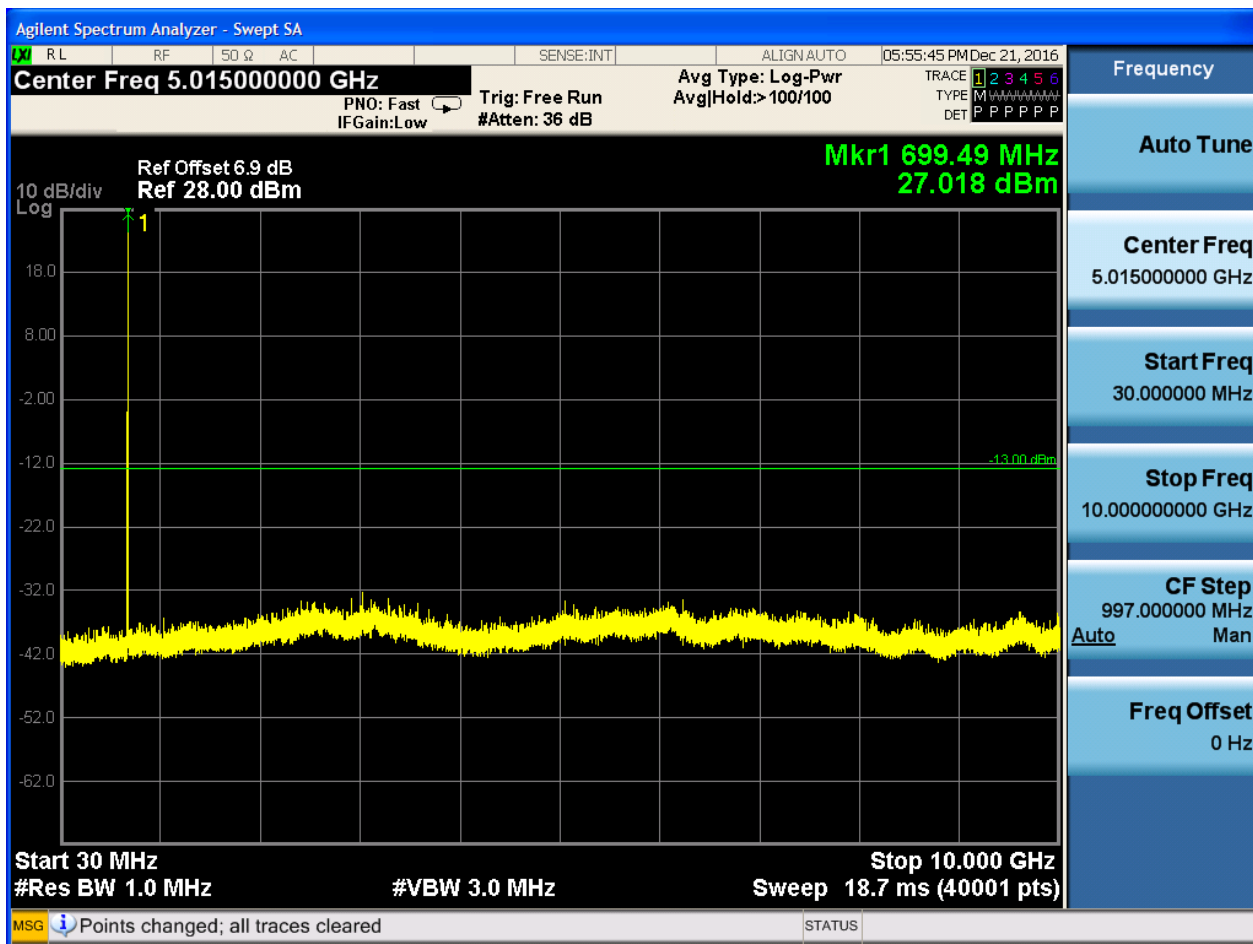
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



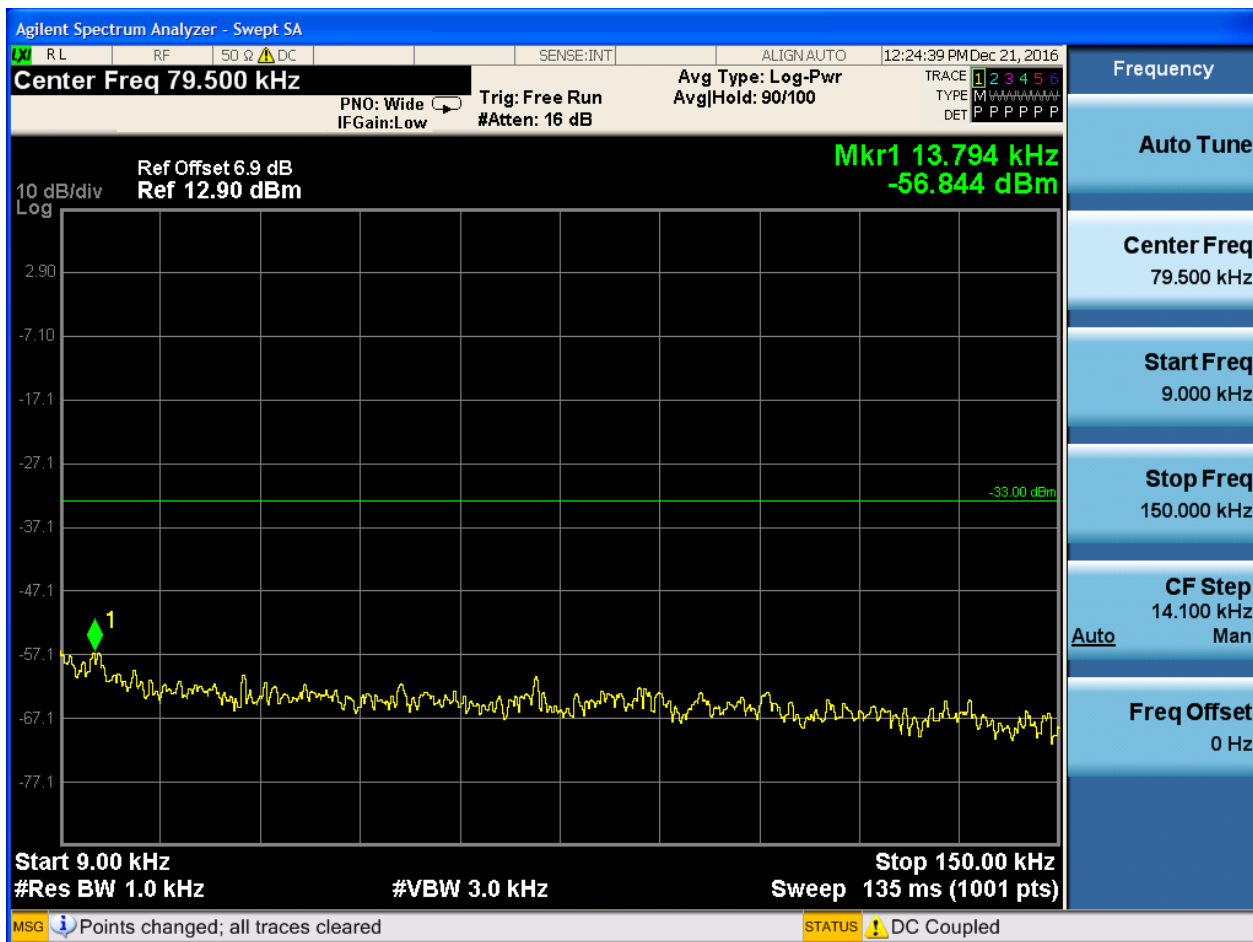


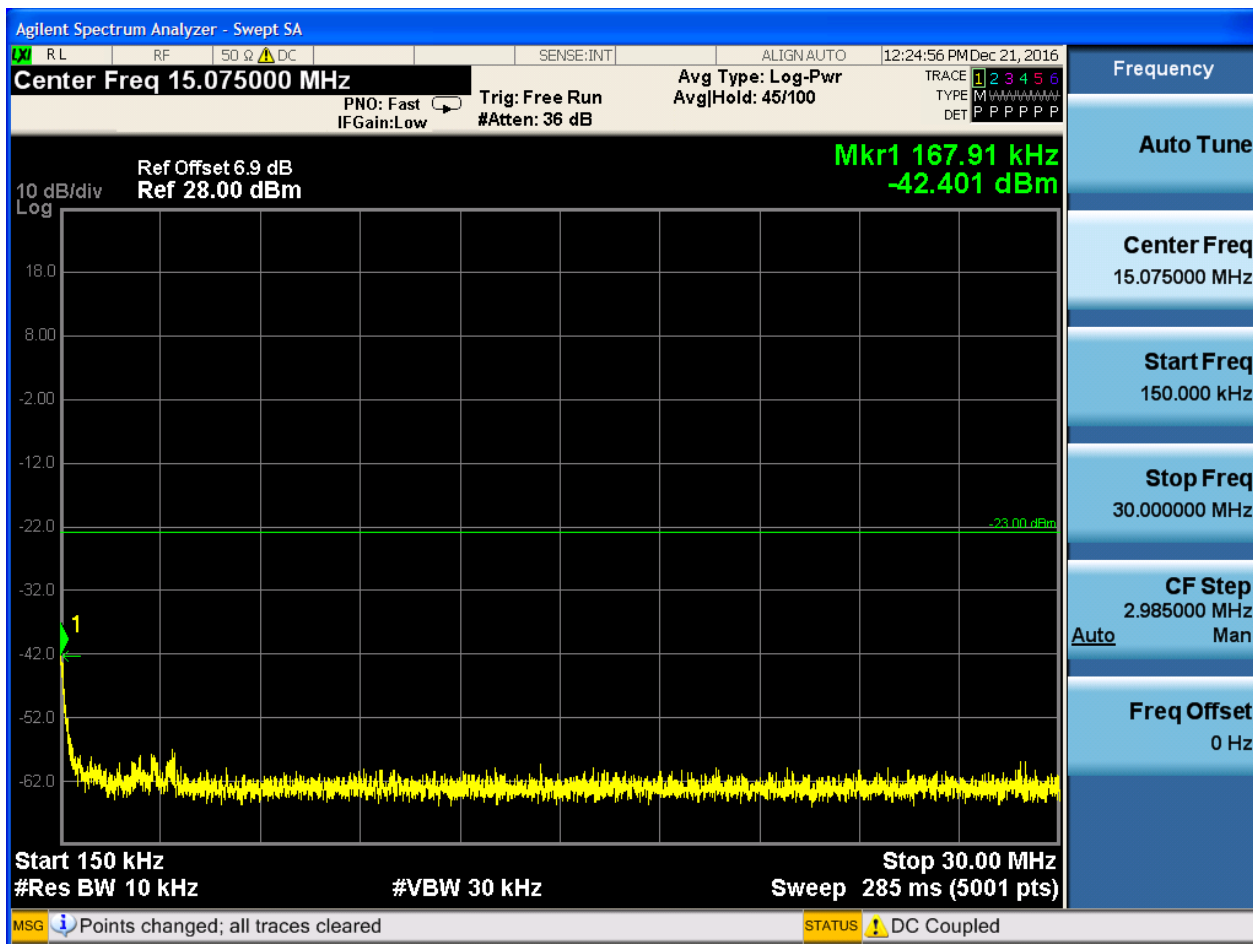


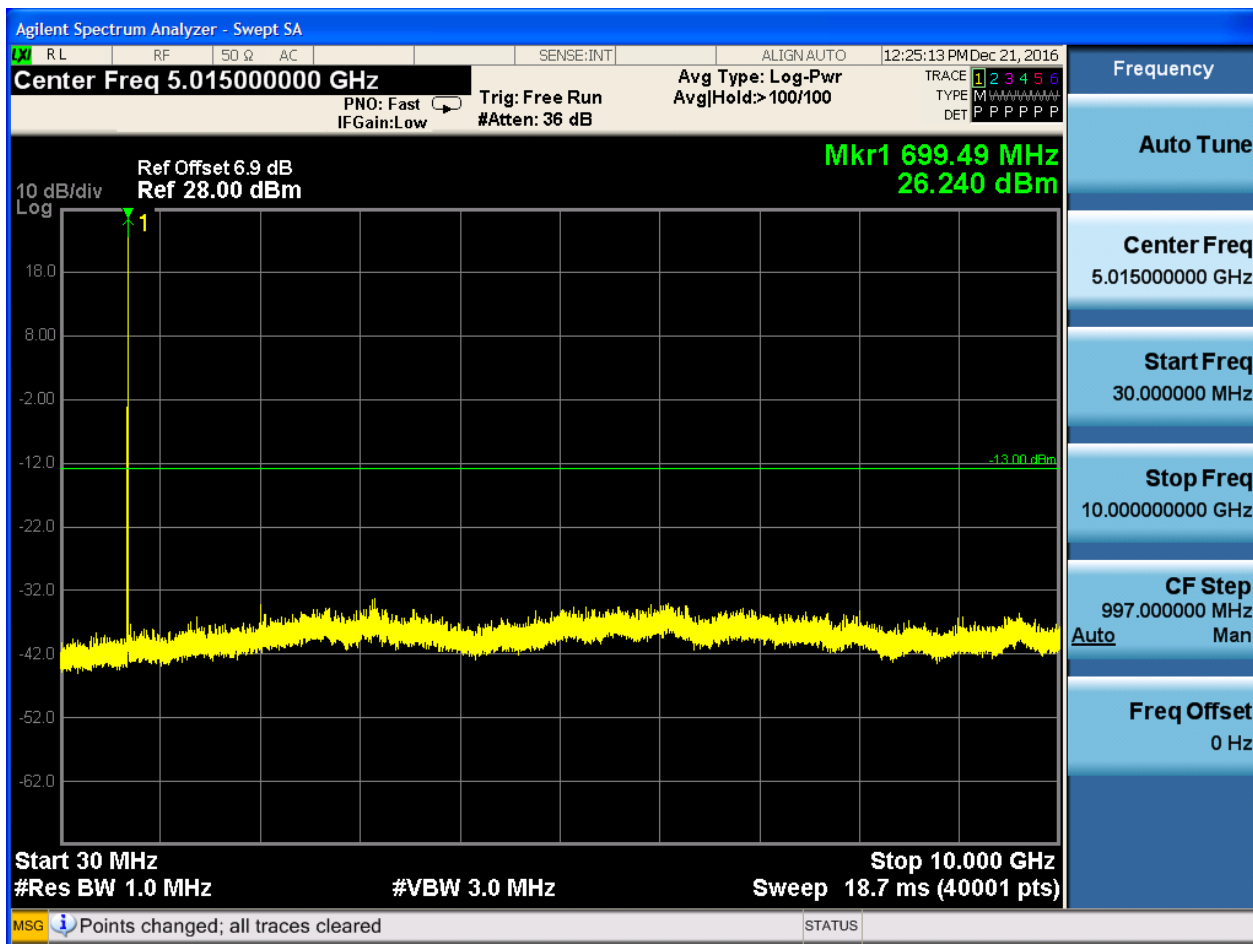


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



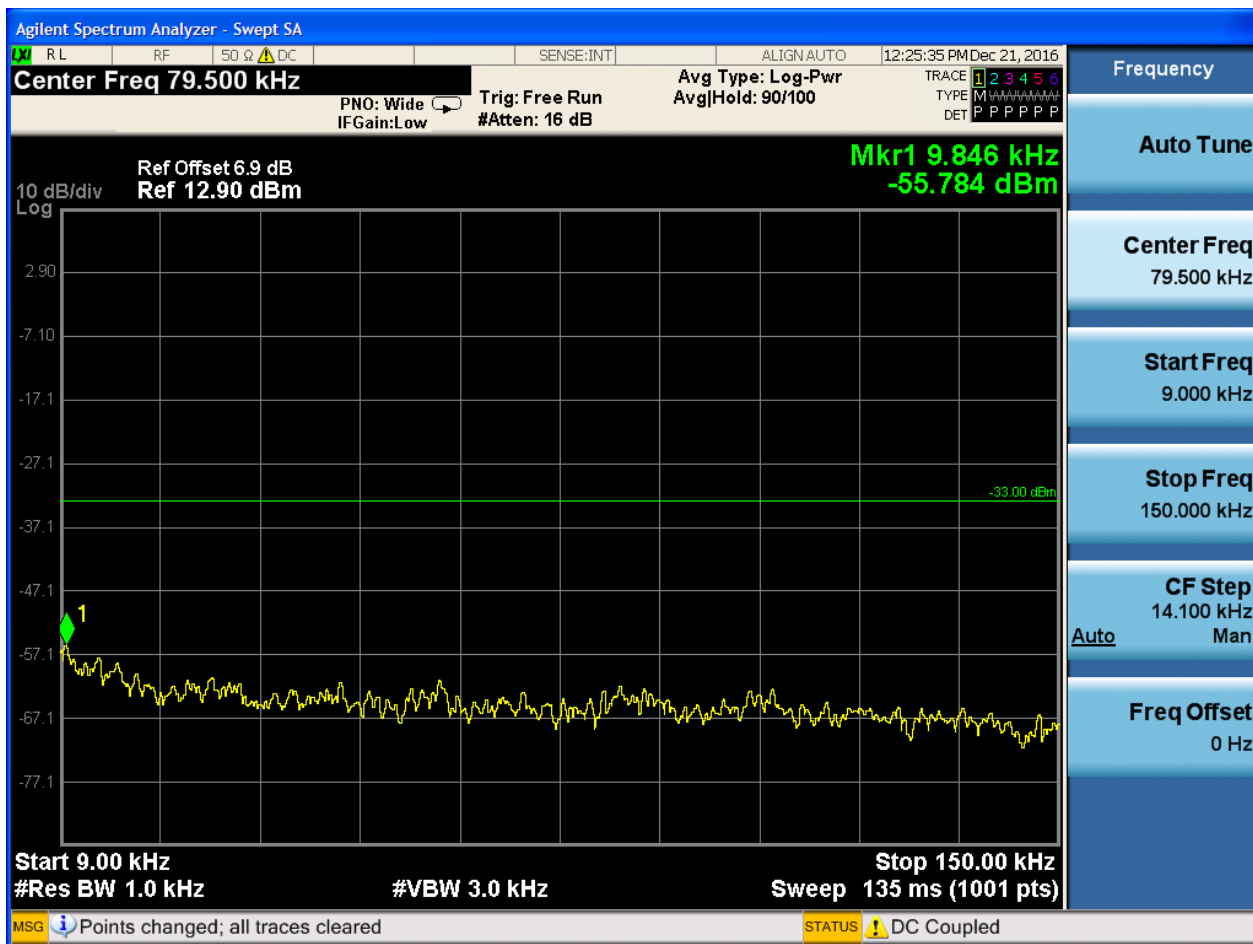


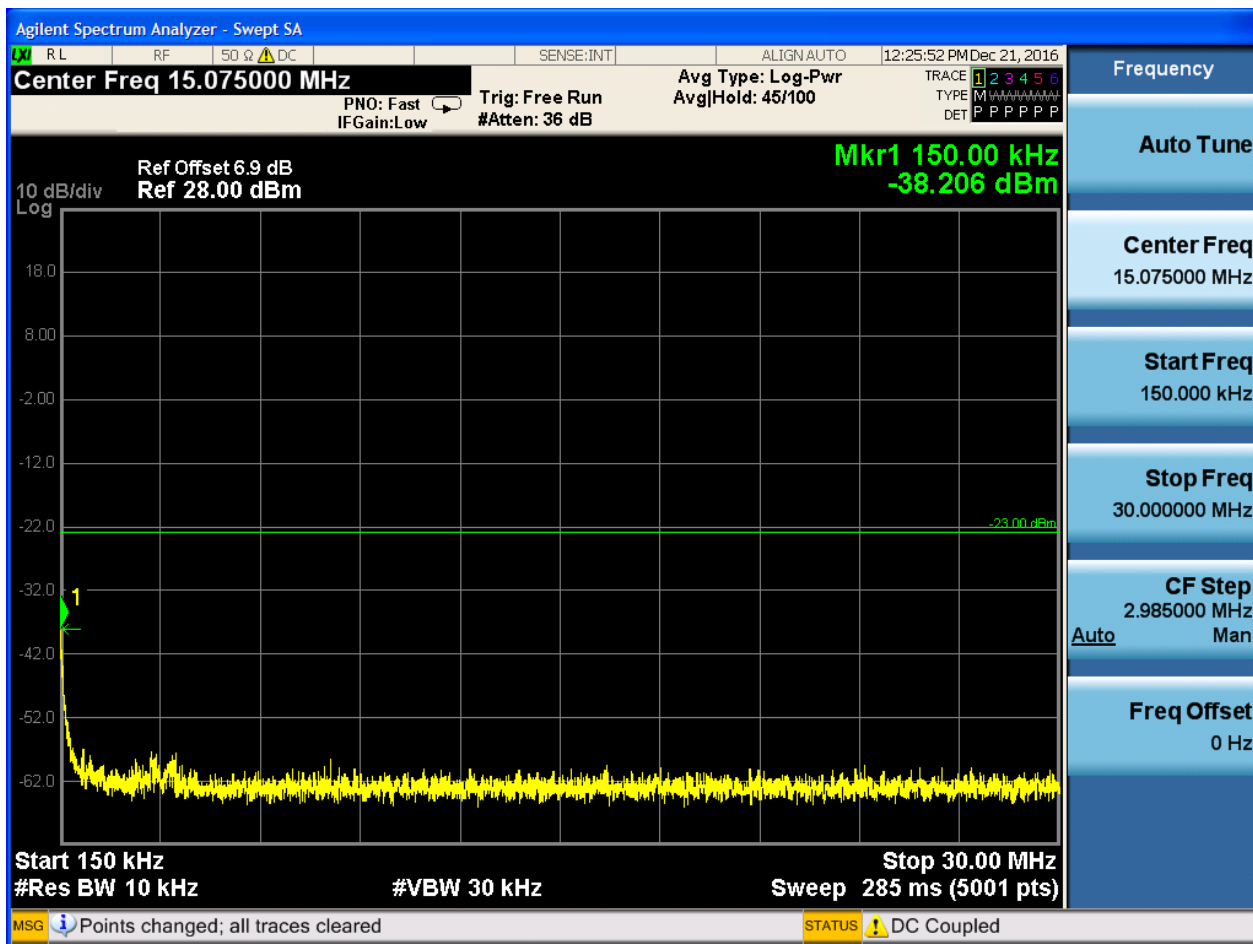


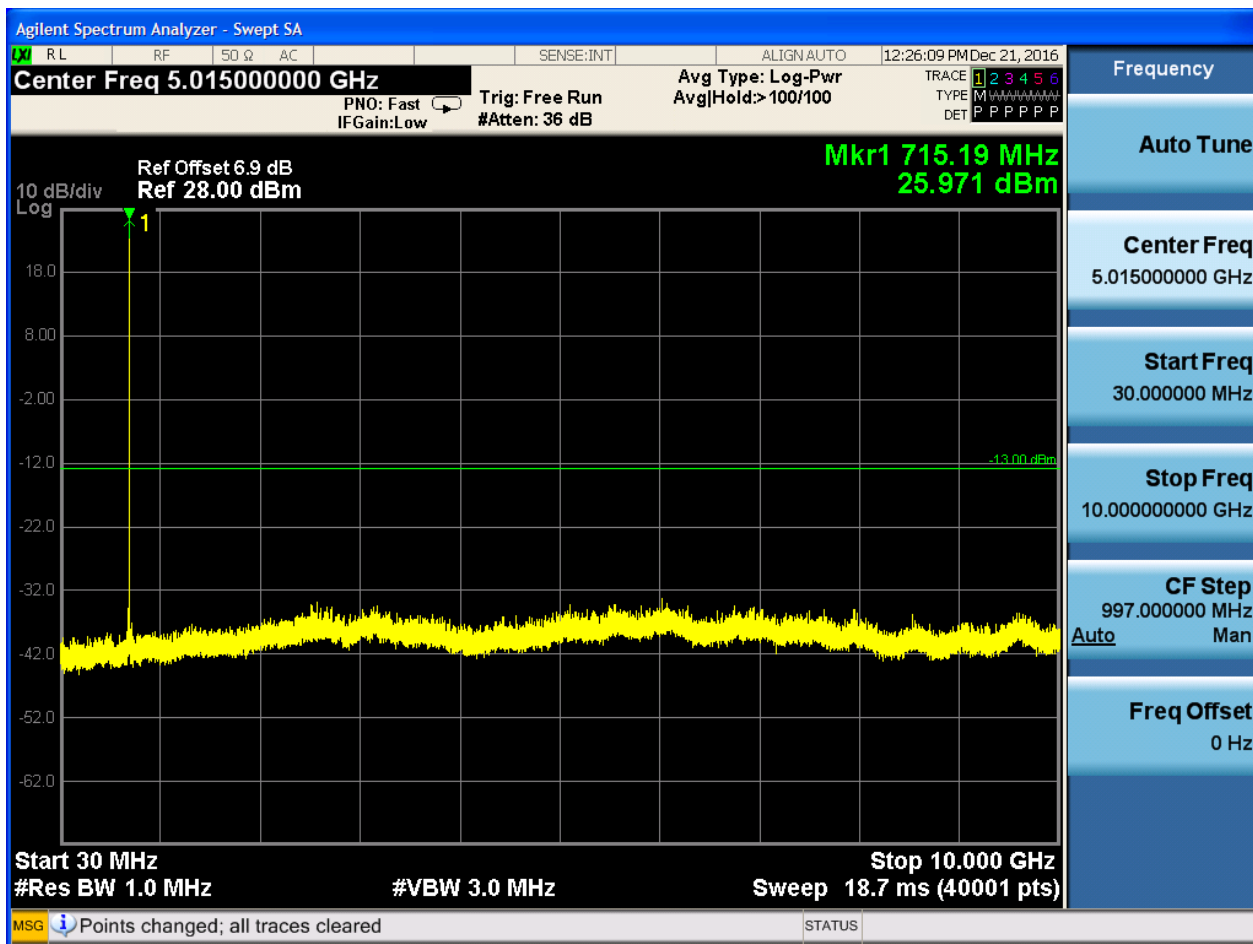


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0





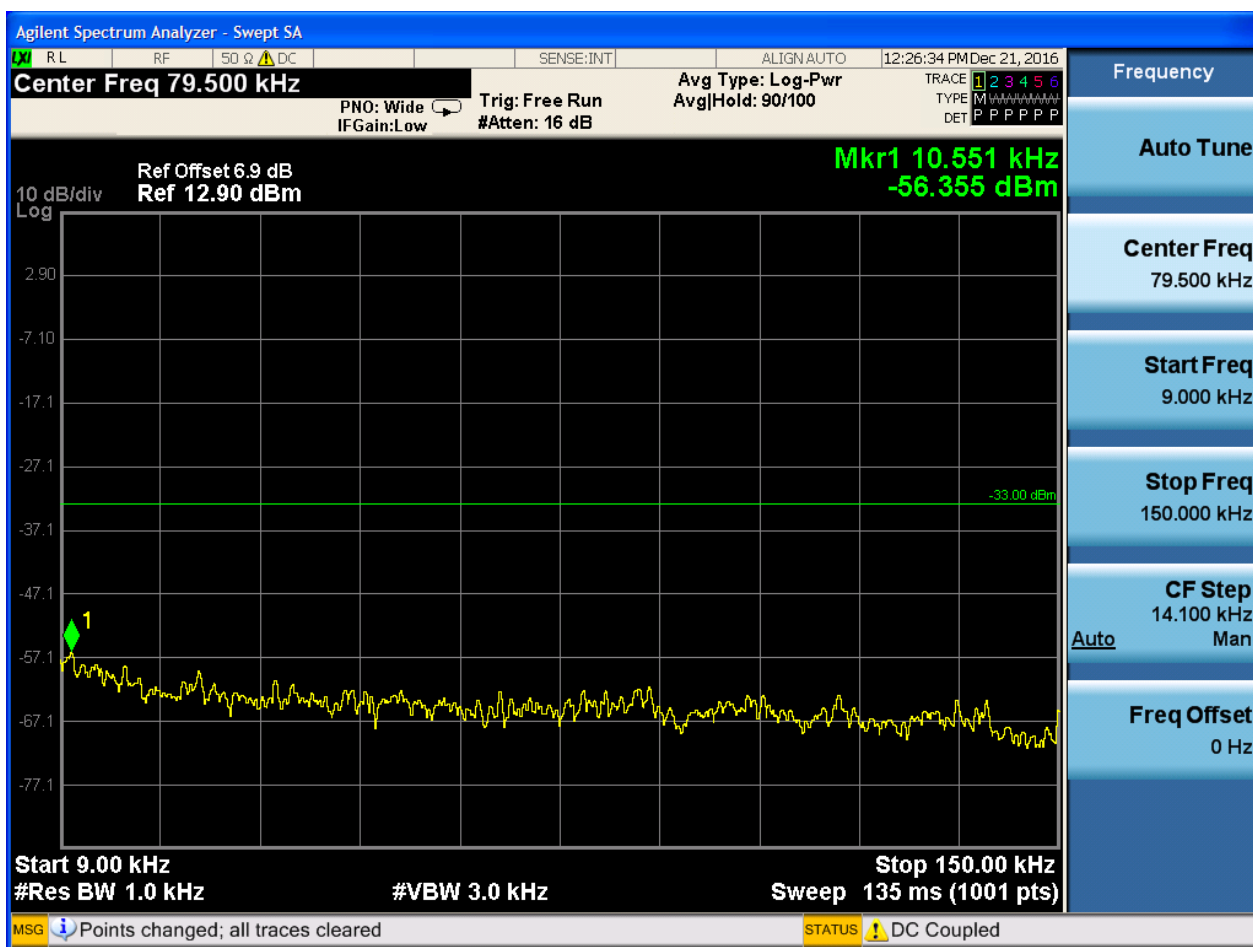


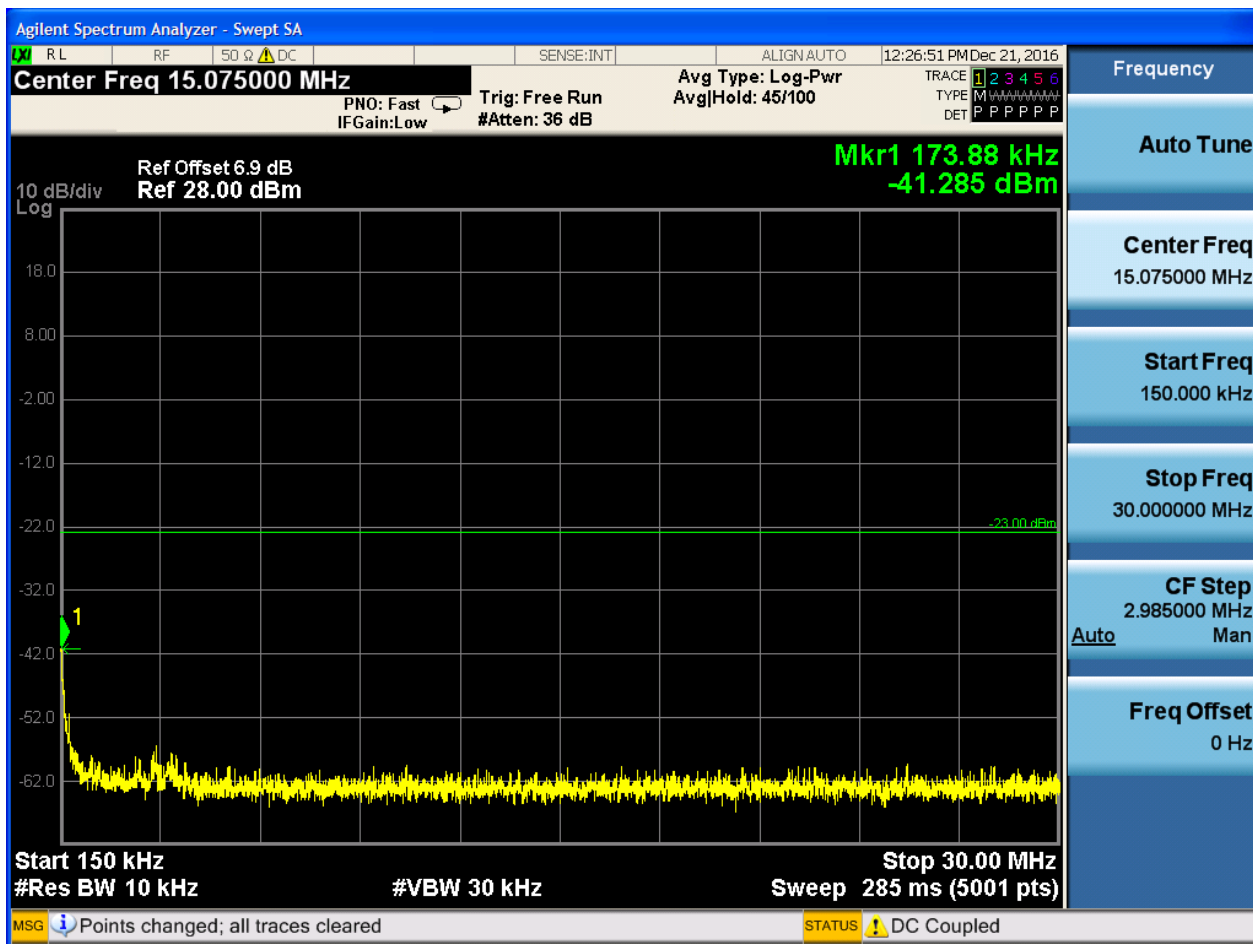


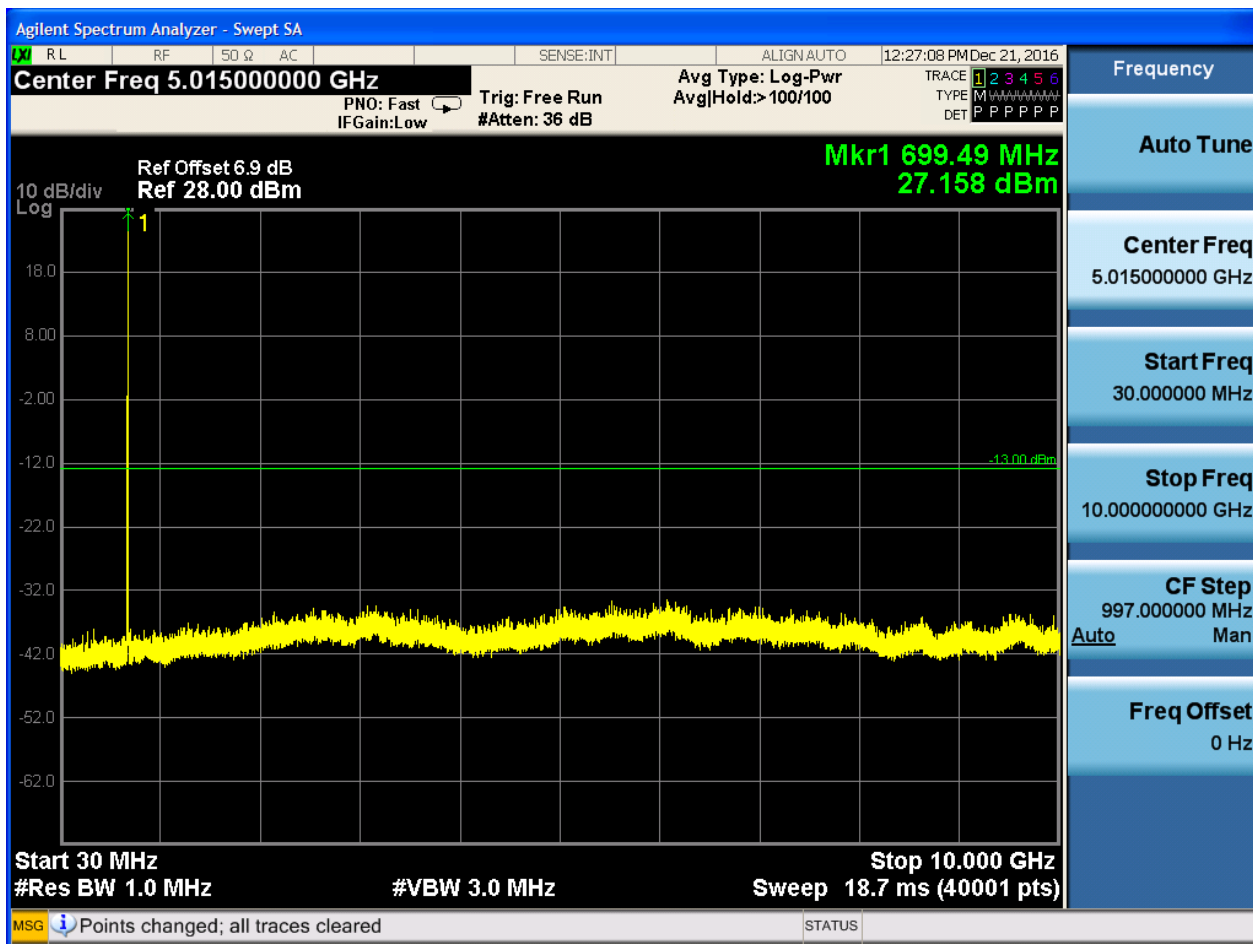
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



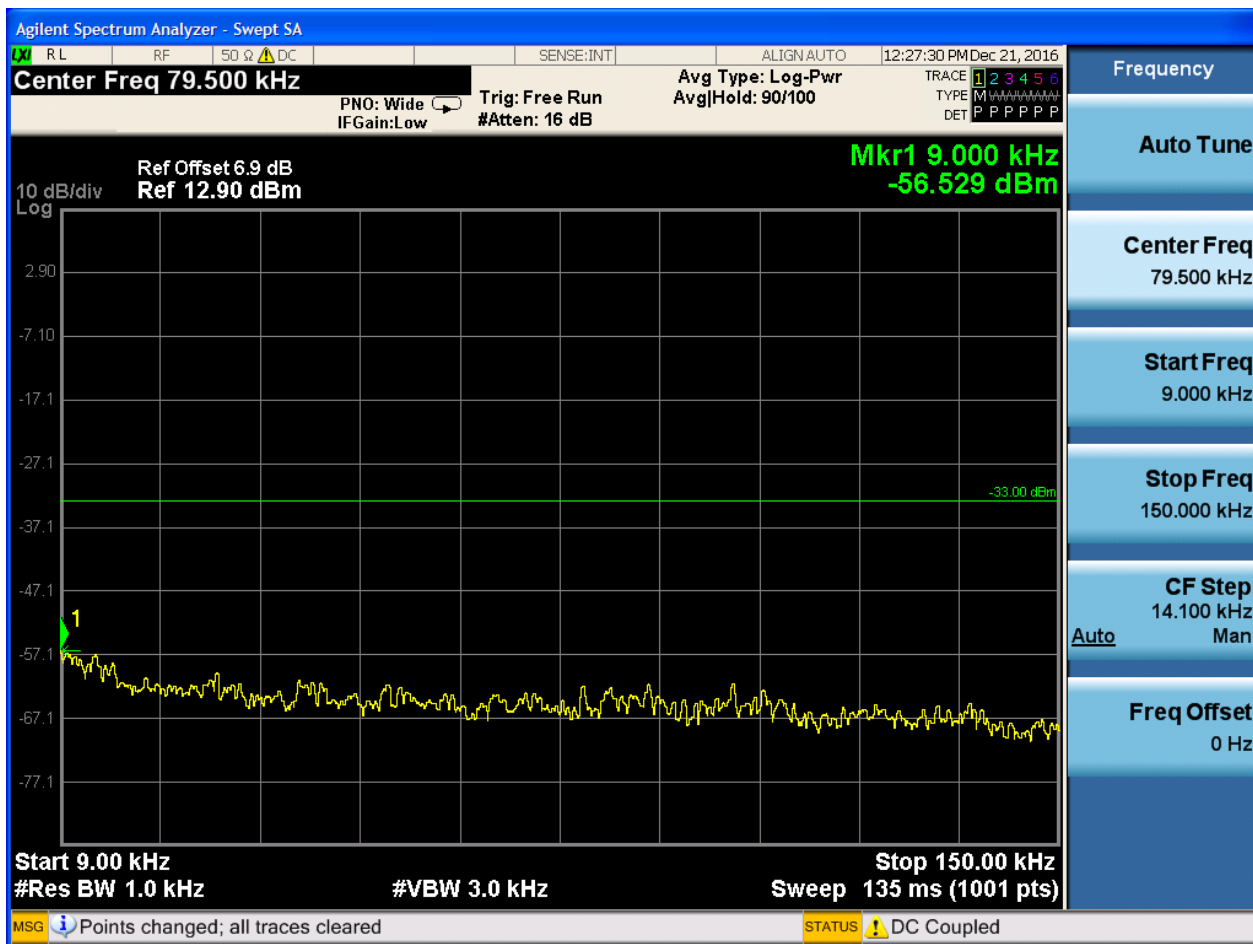


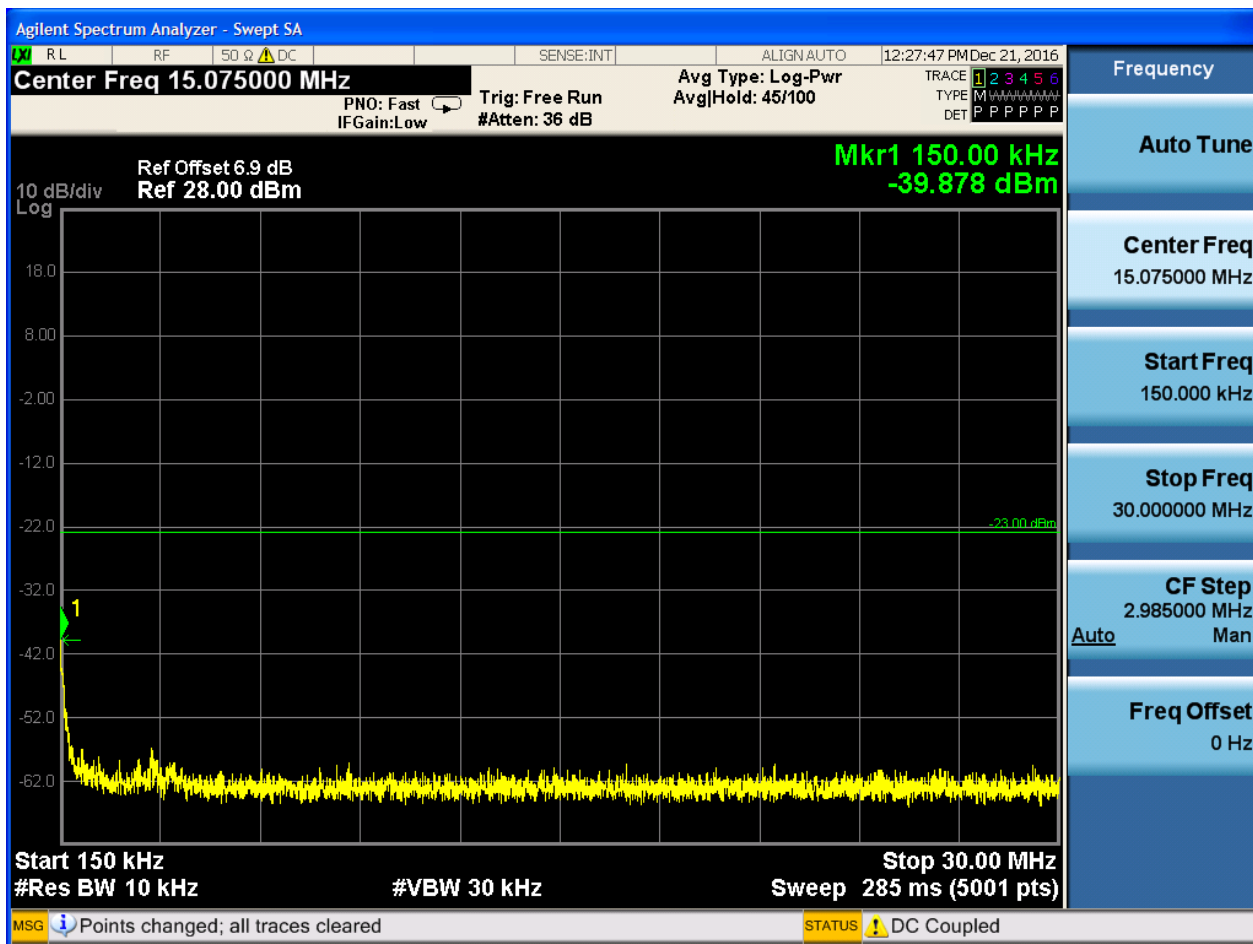


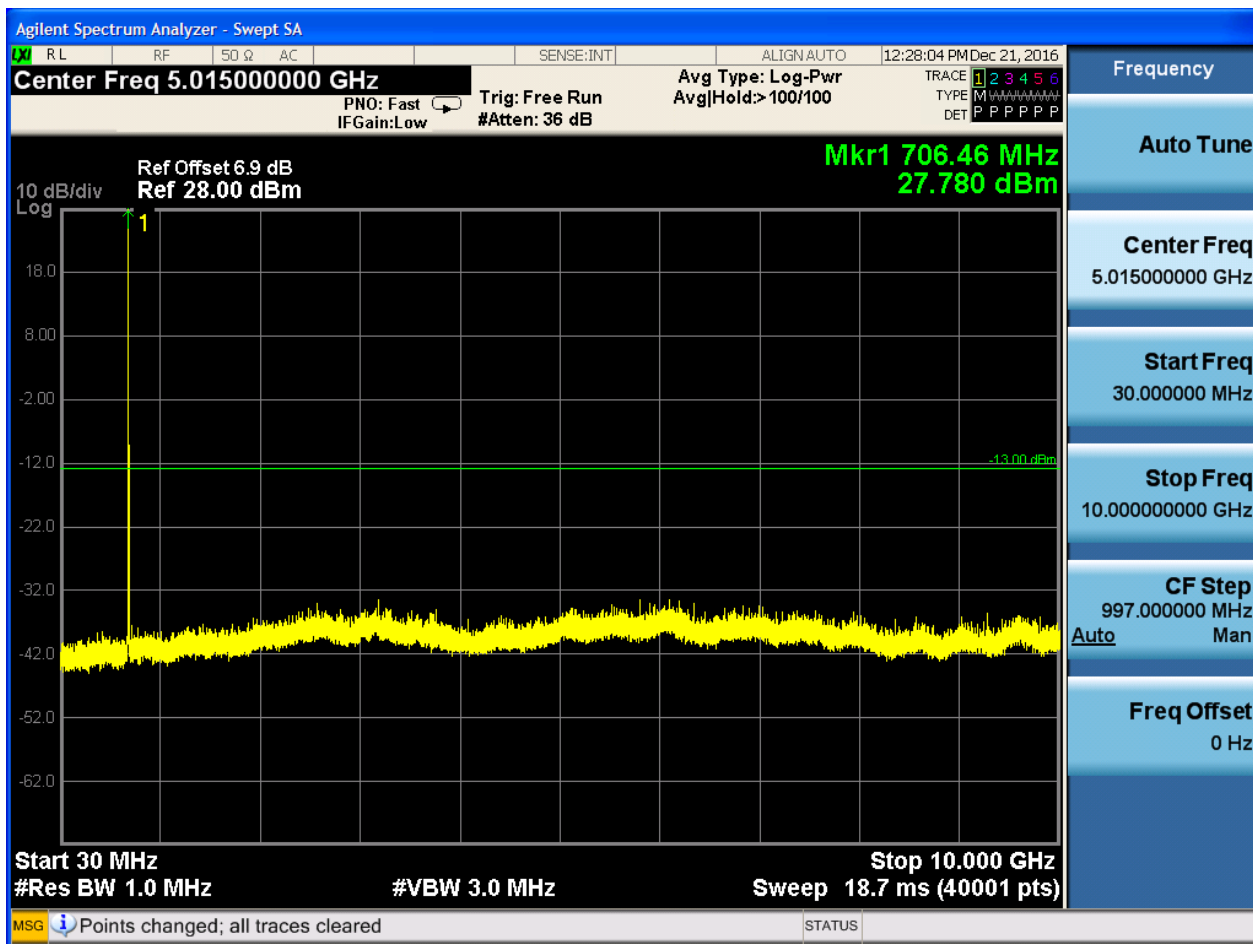


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

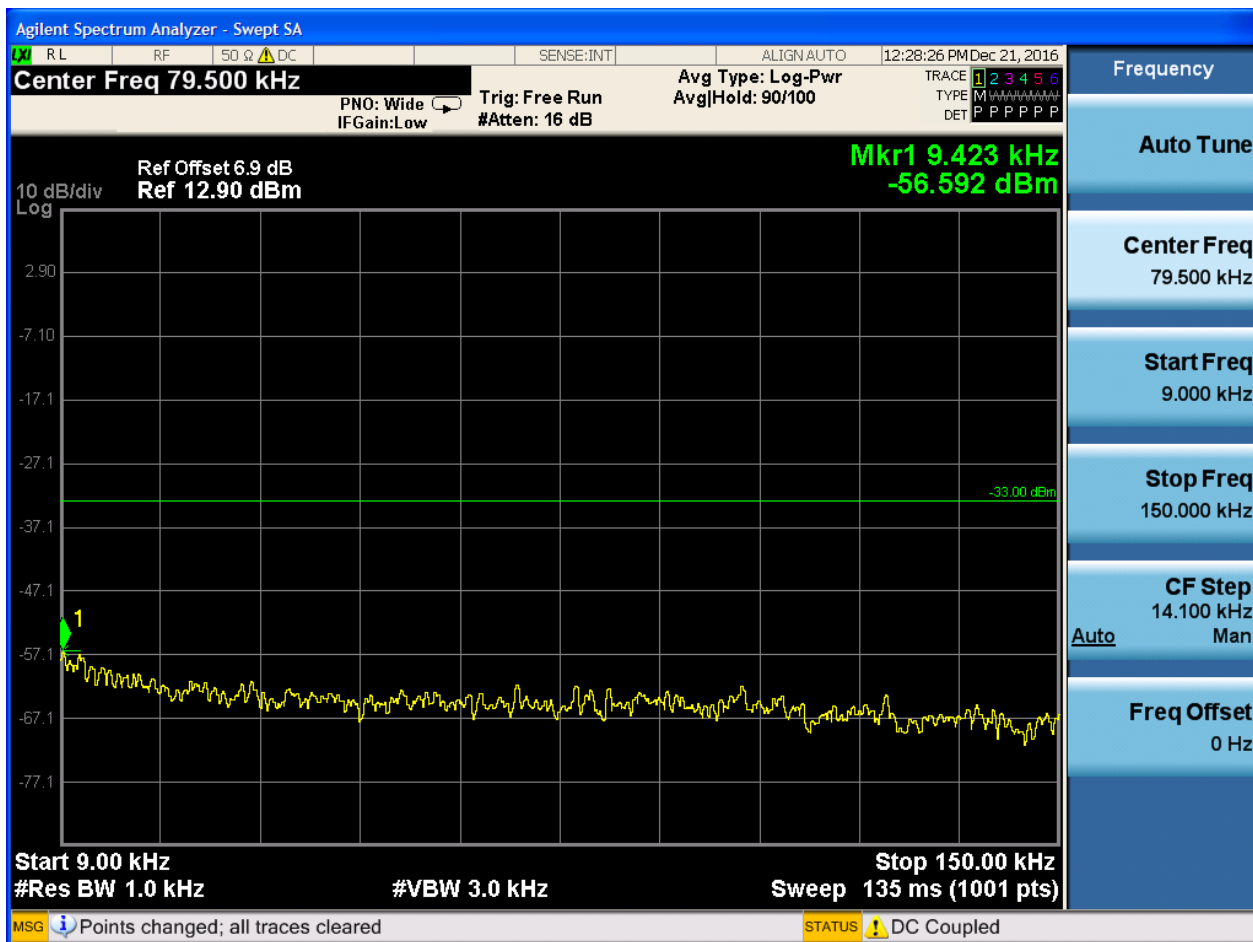


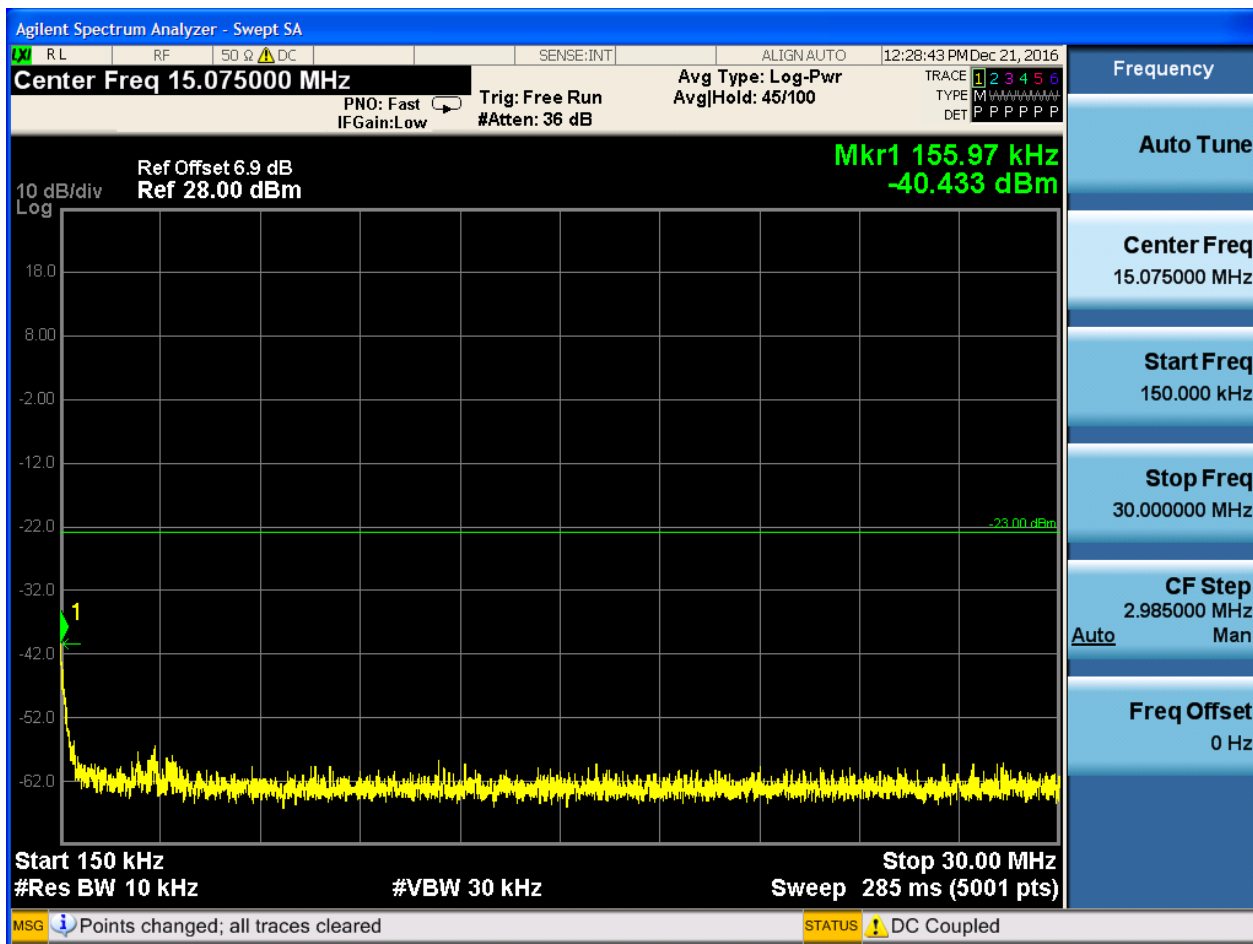


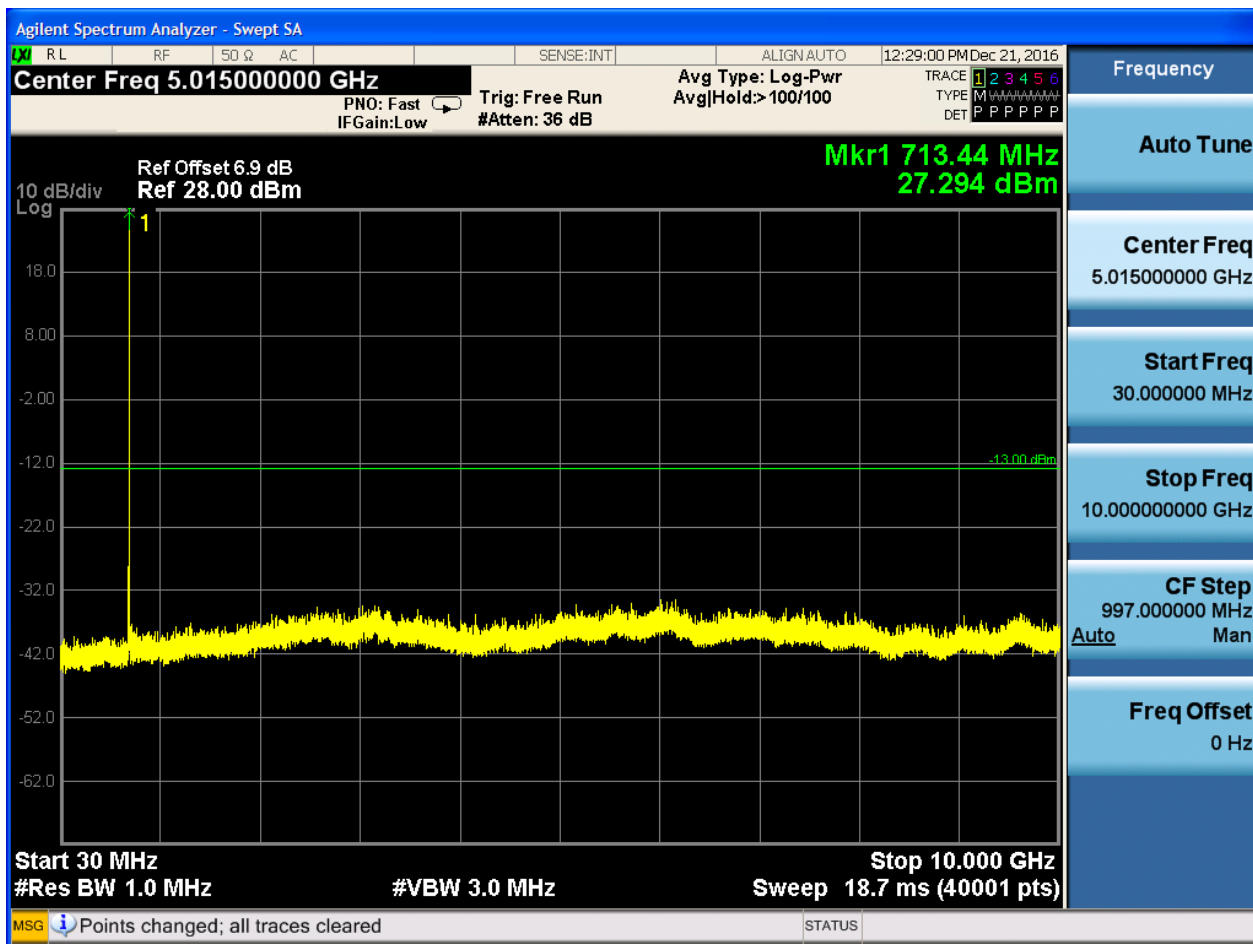


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





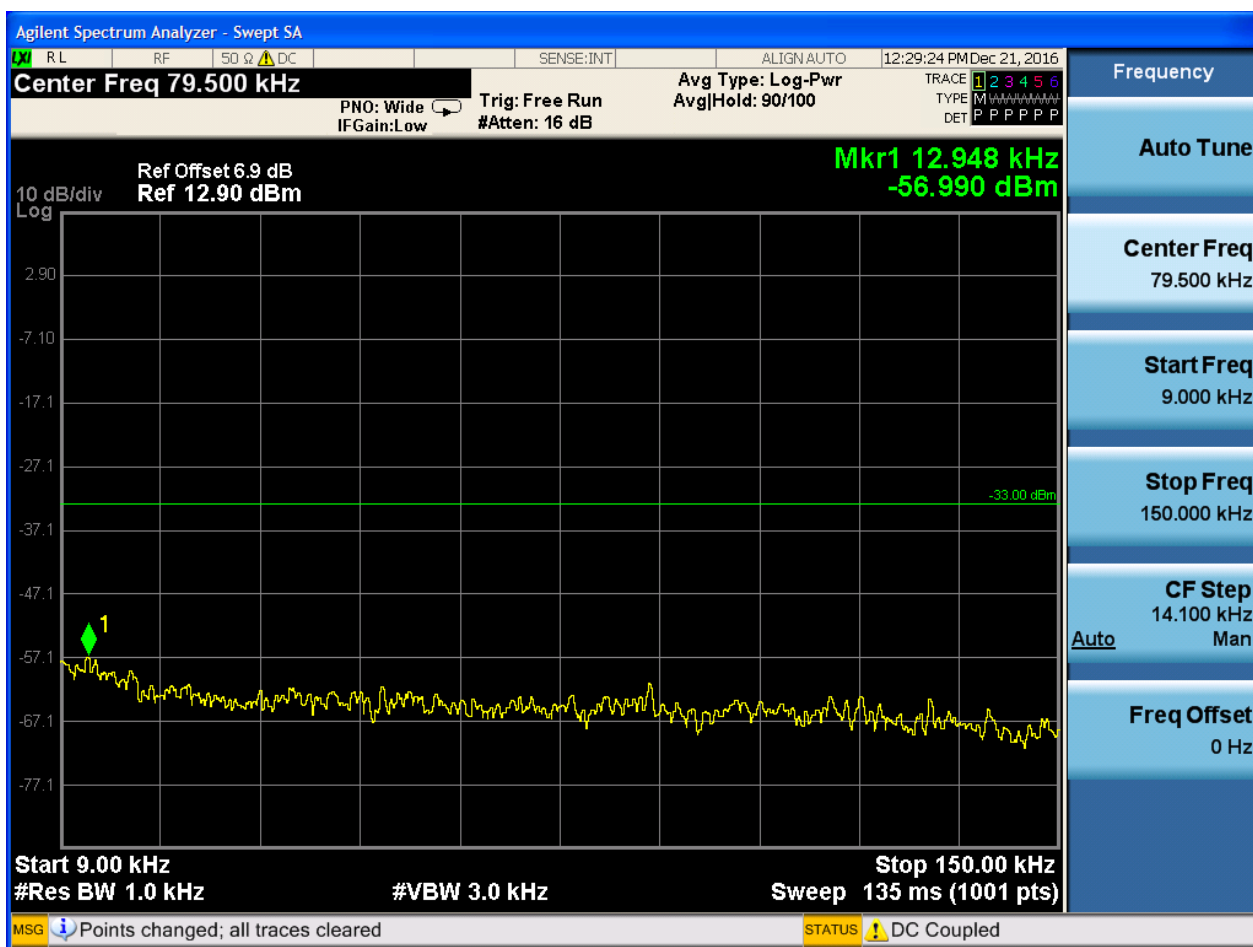


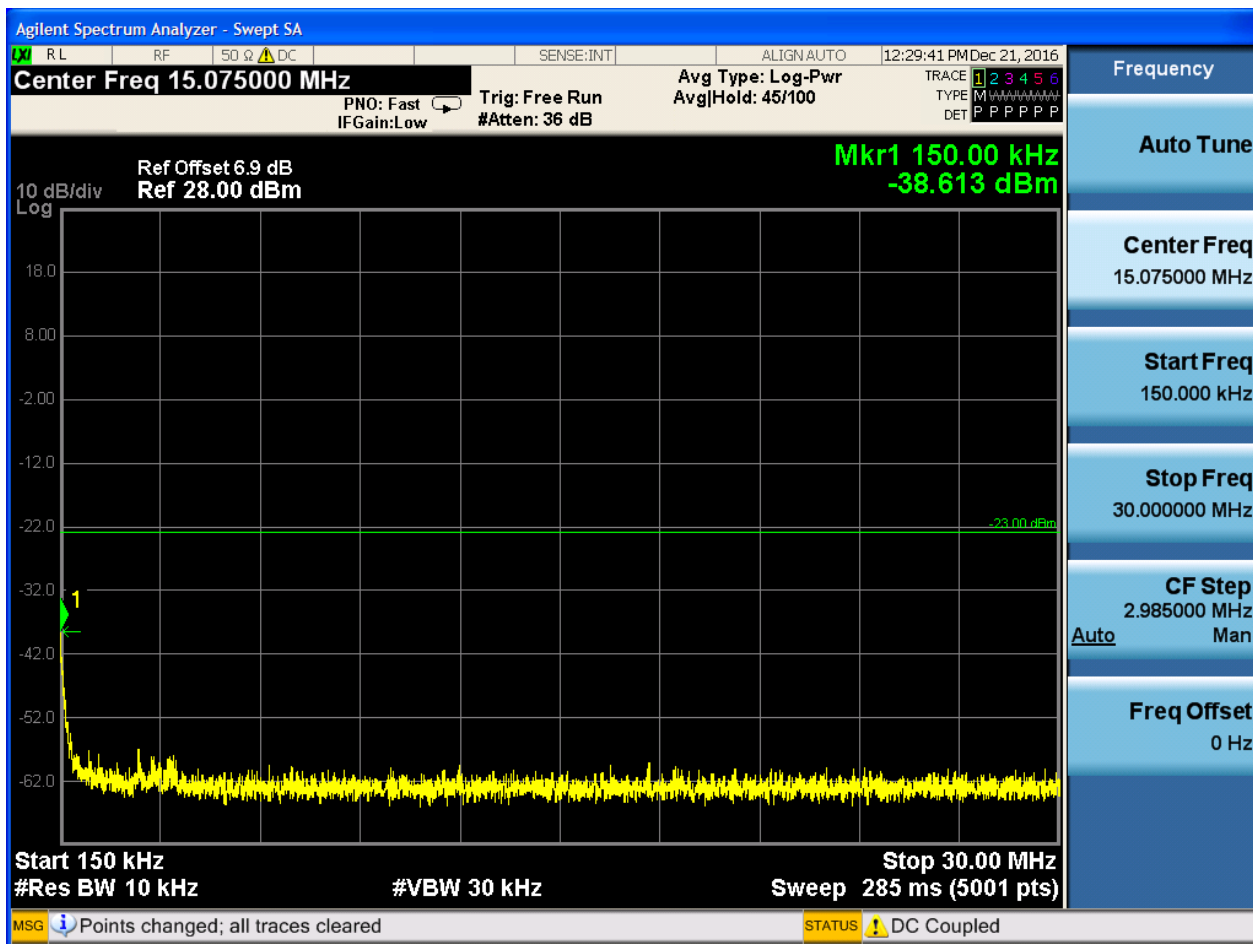


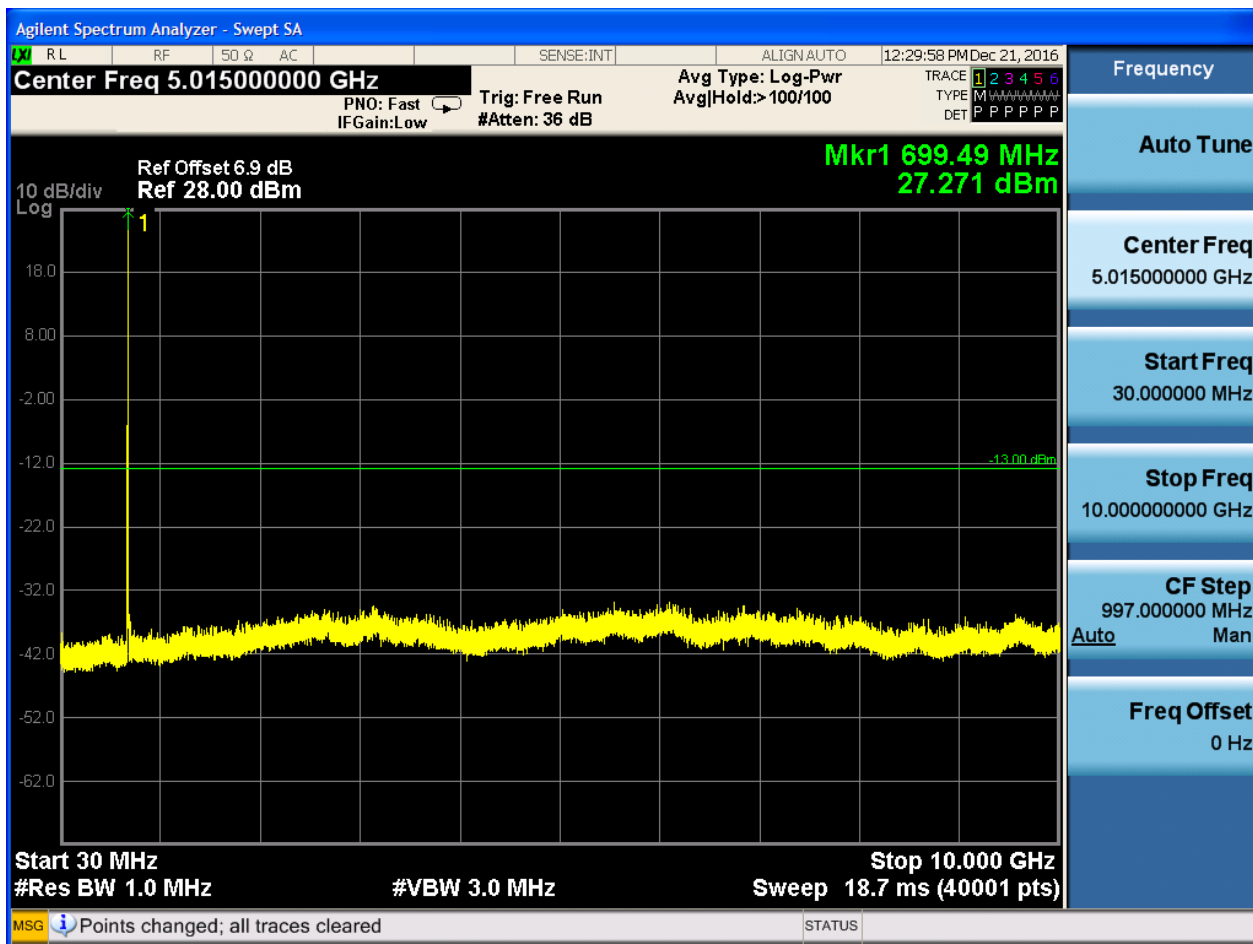
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



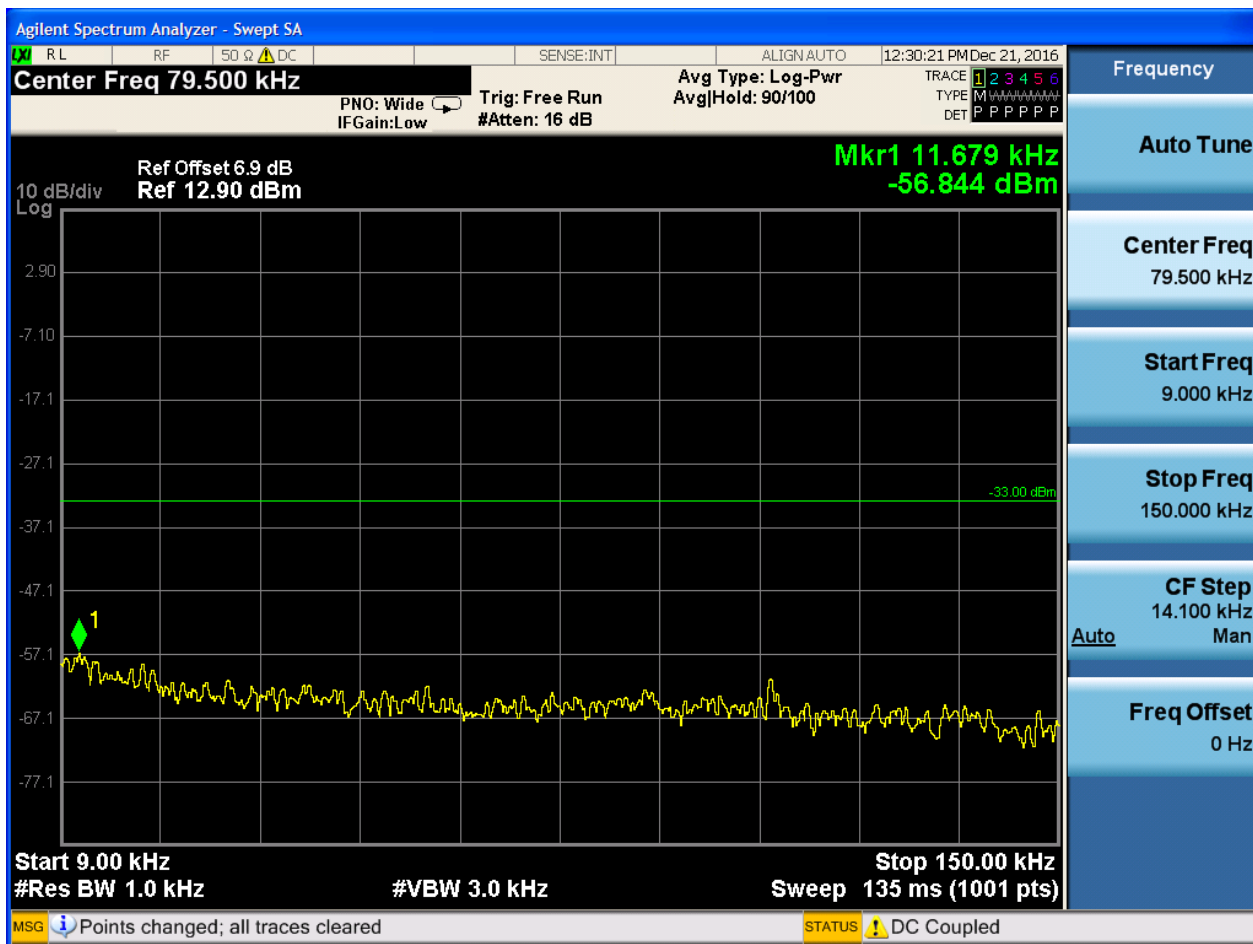


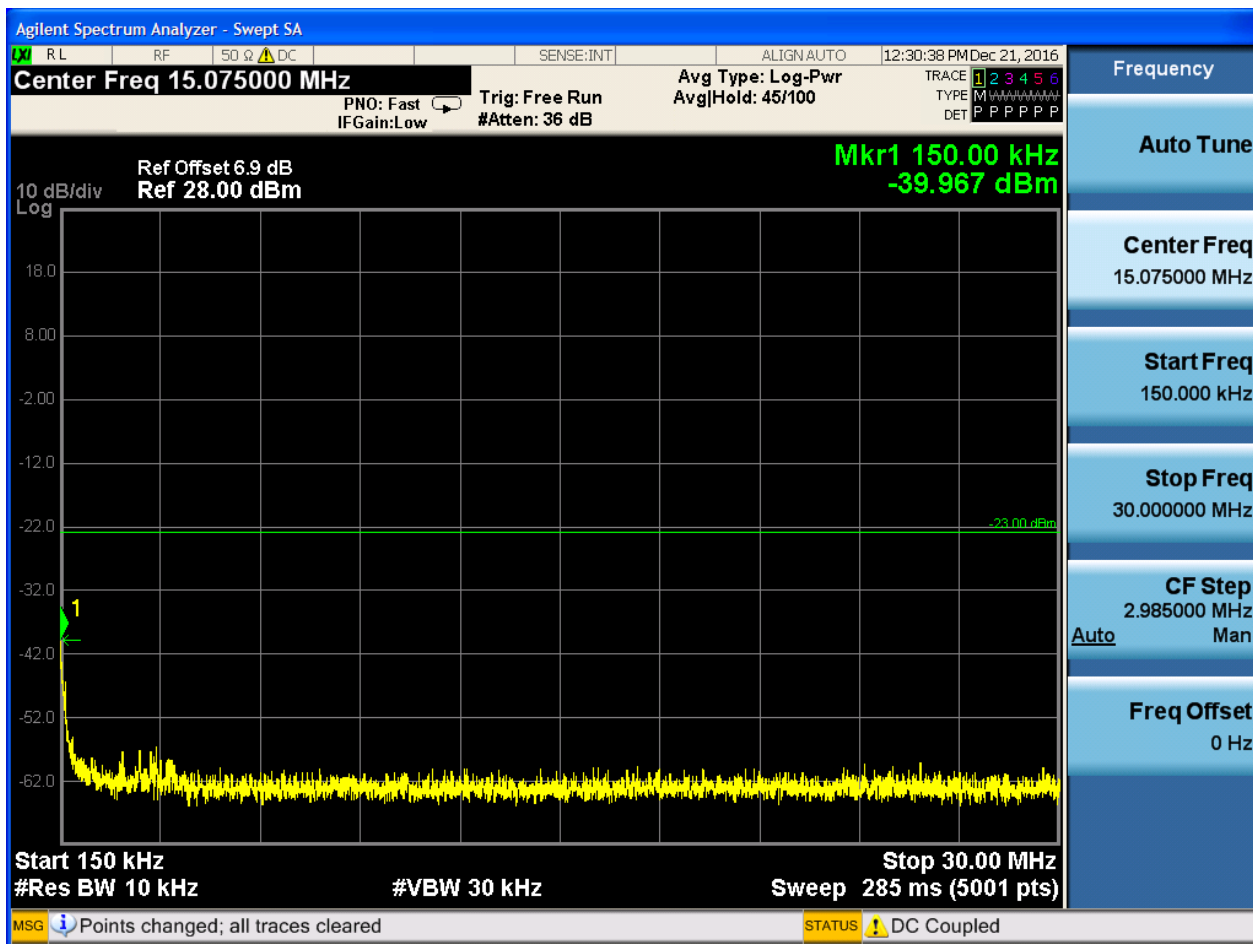


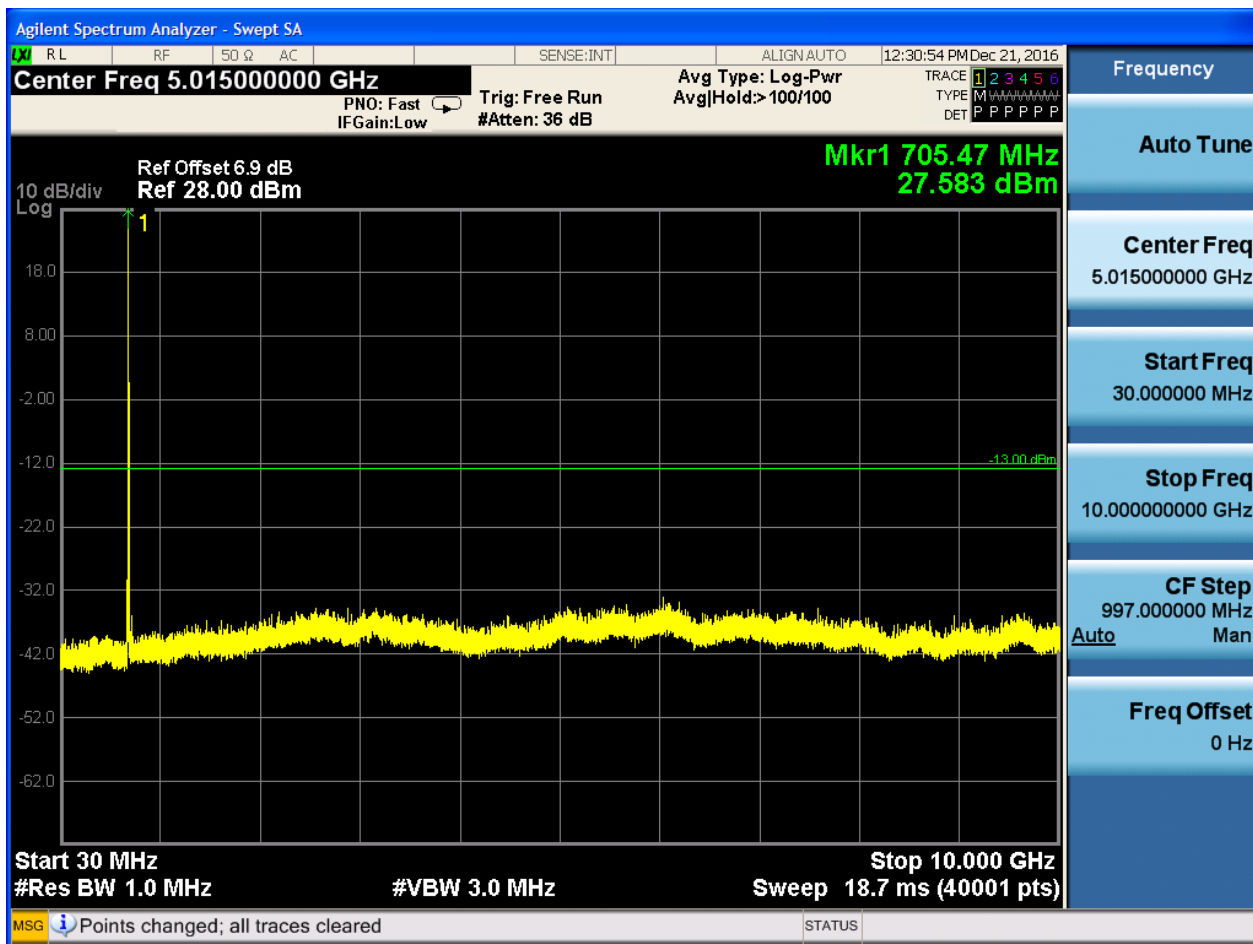


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



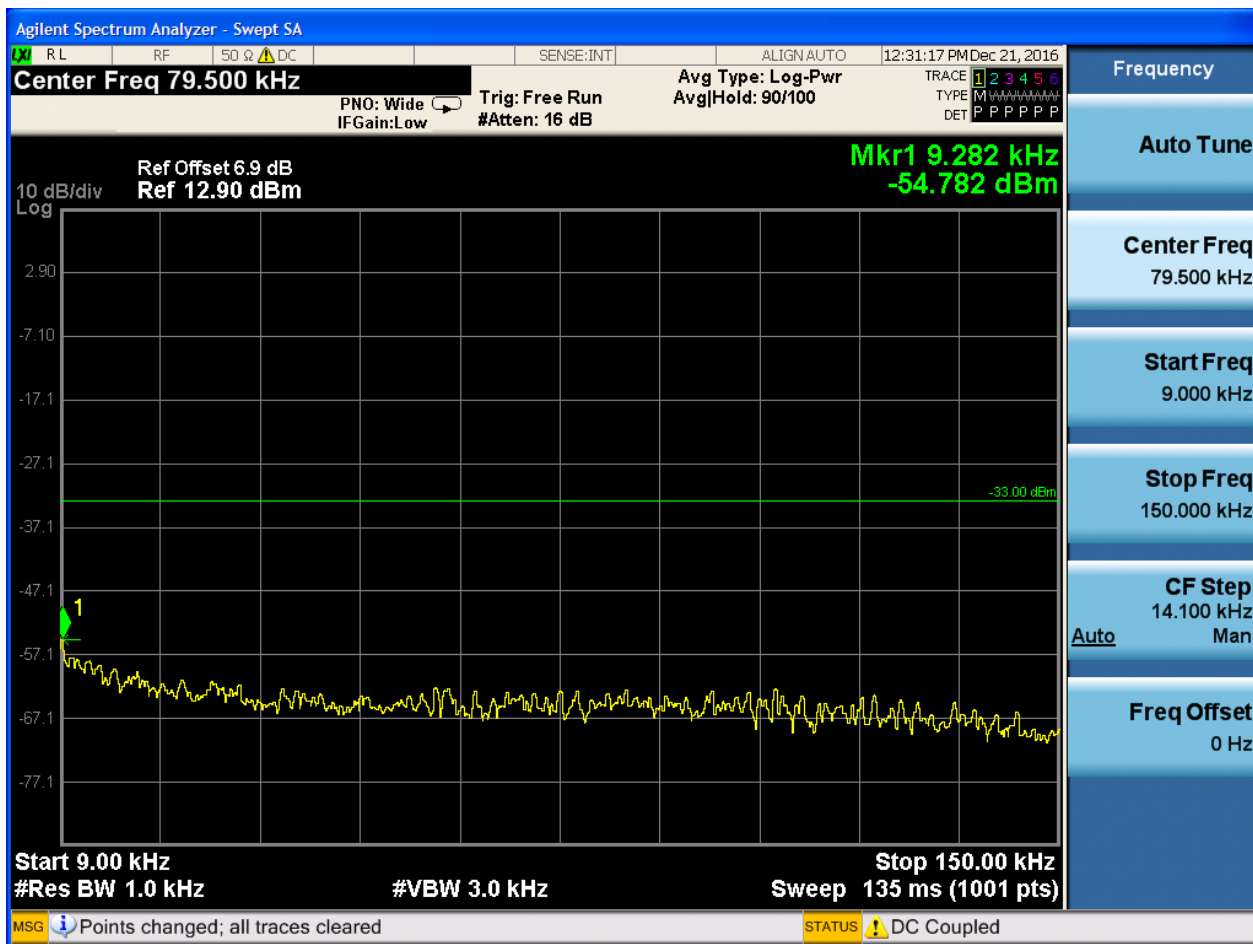


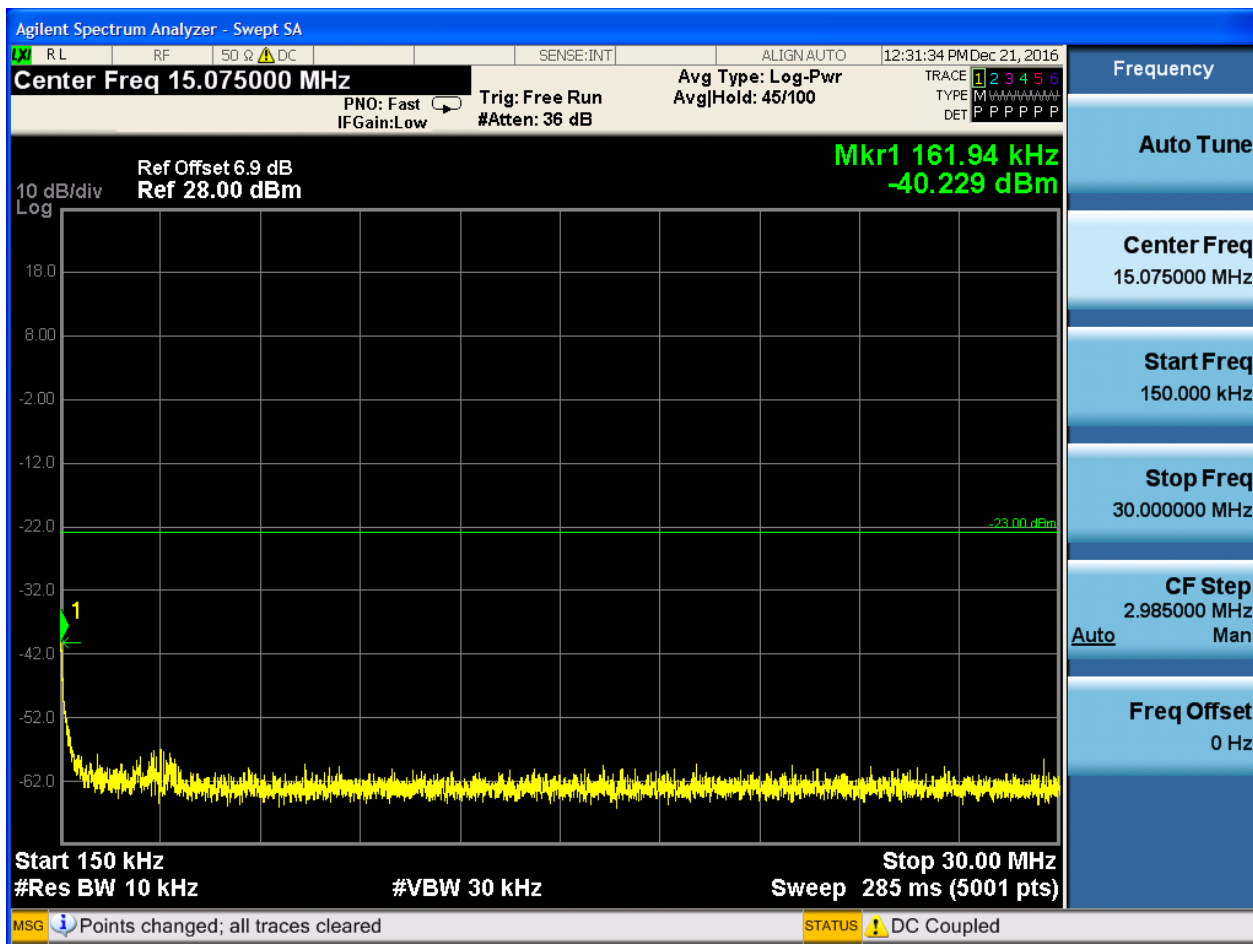


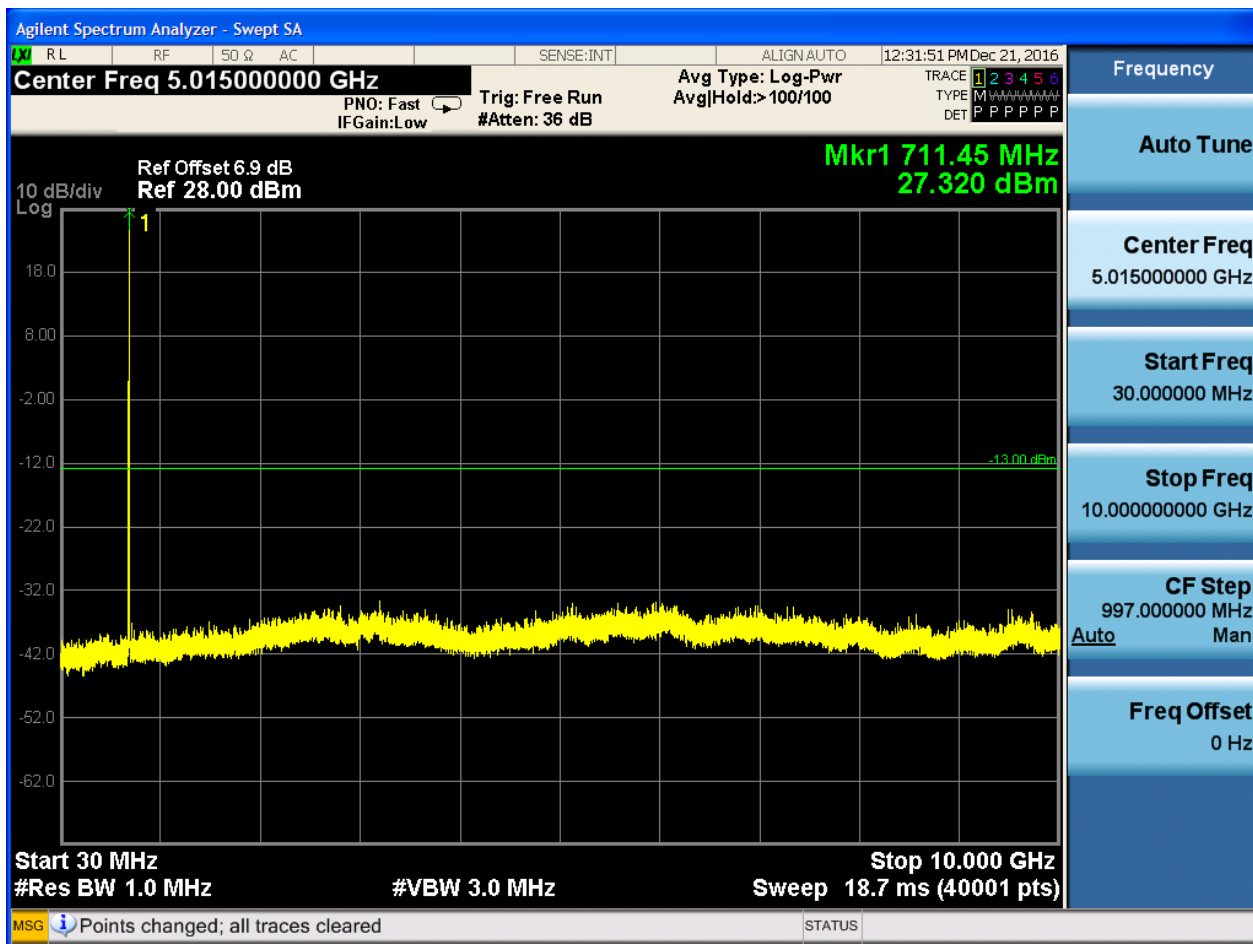


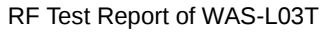
6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0

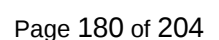


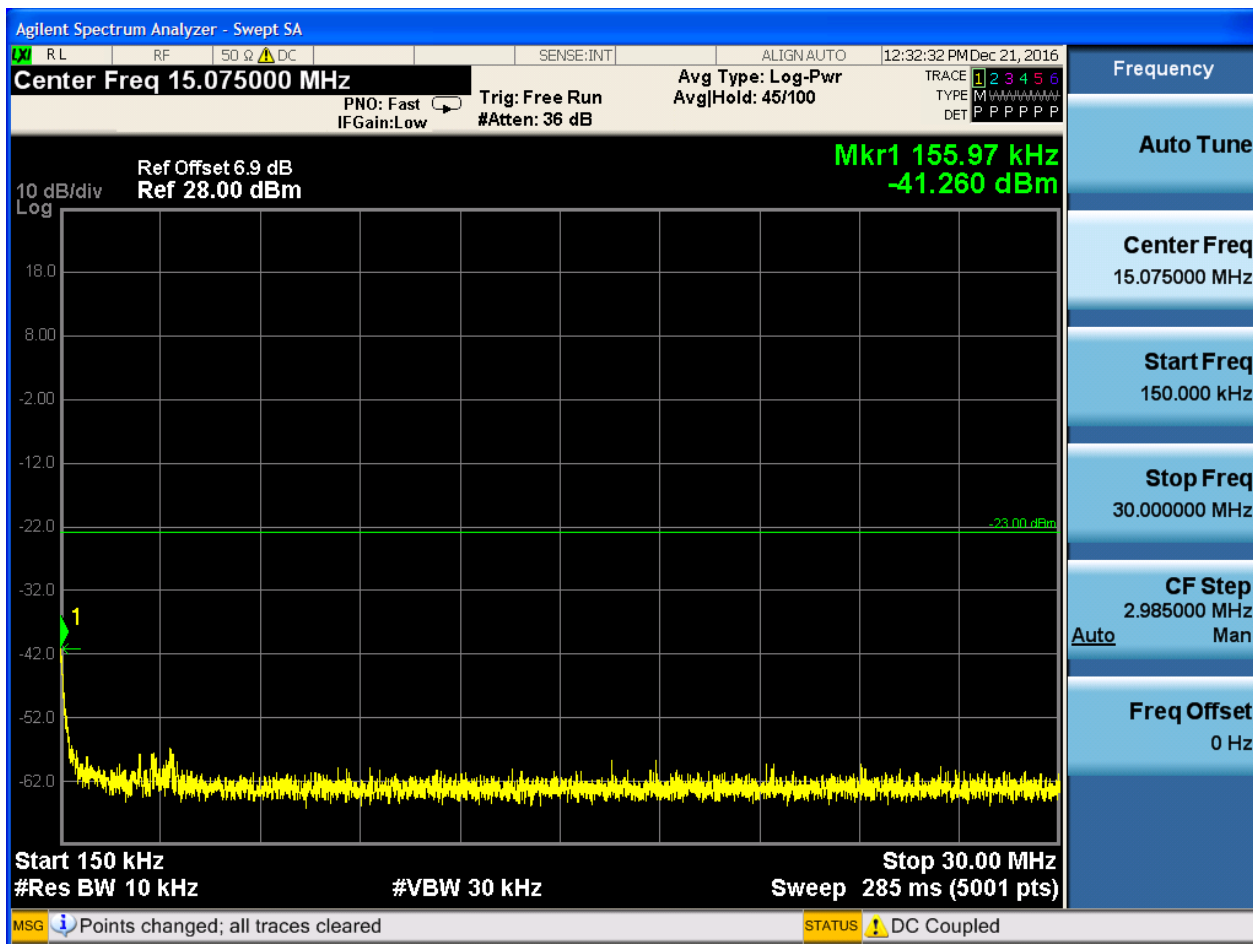


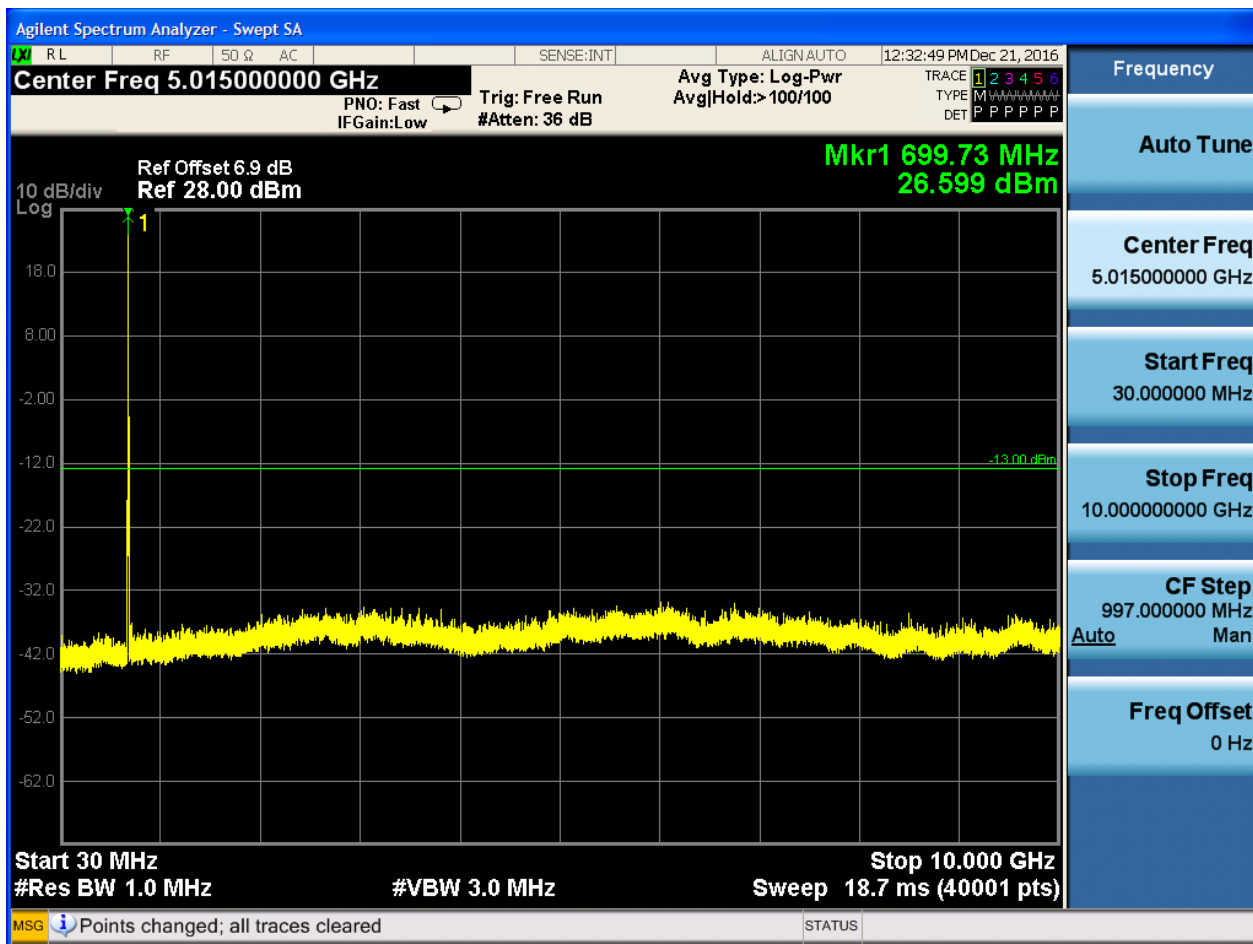




6.1.1.2.4.1.1 Test RB = RB1#0



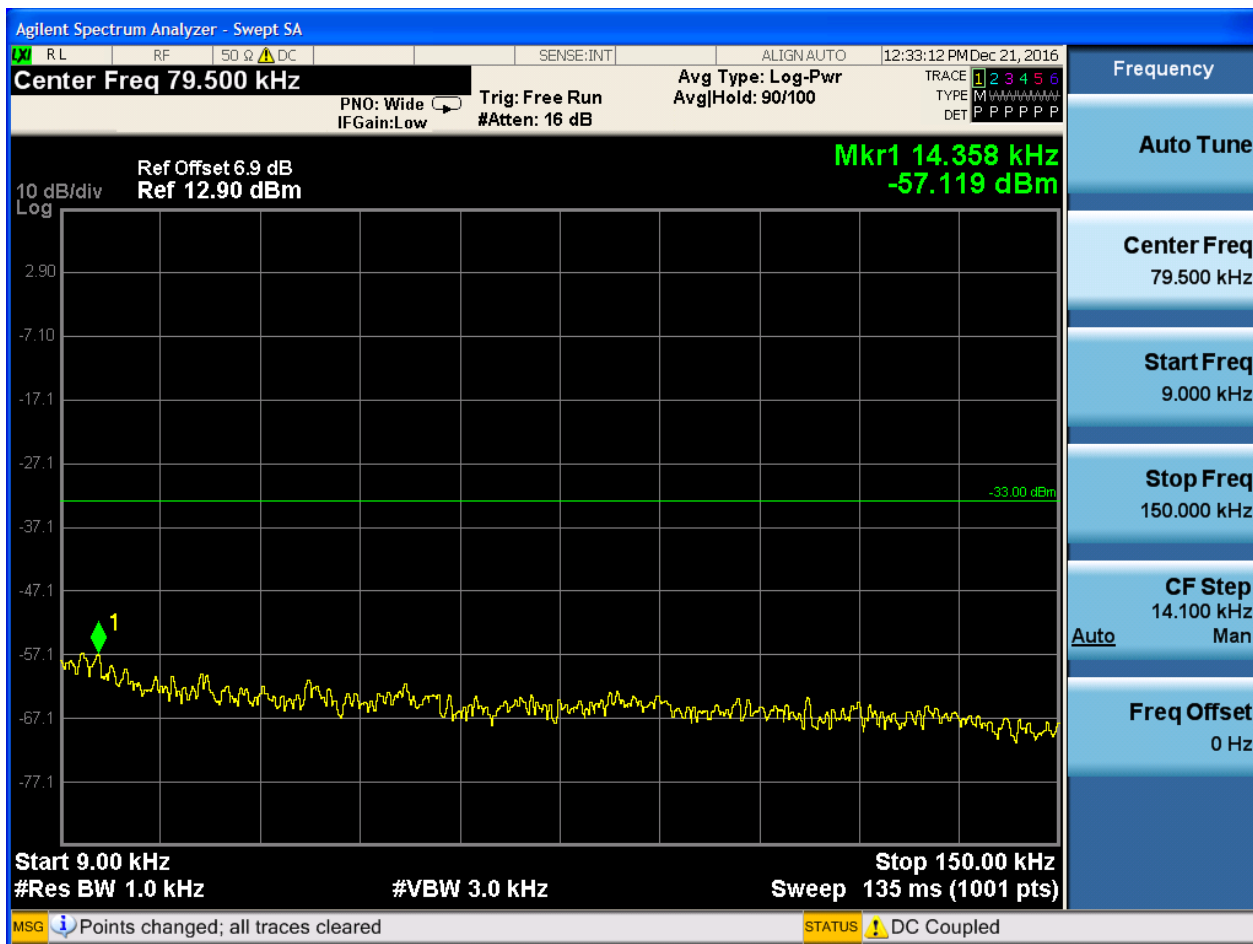


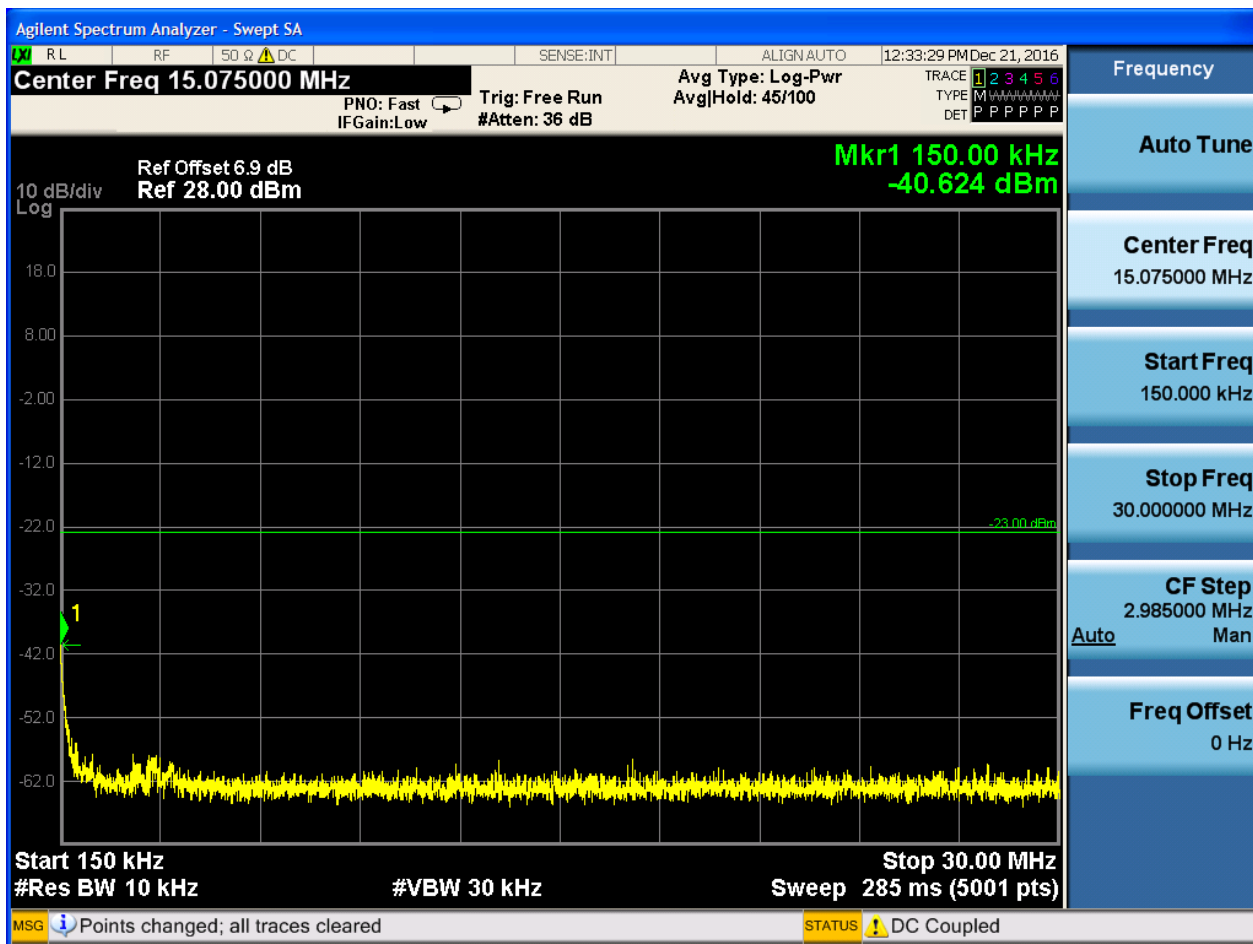


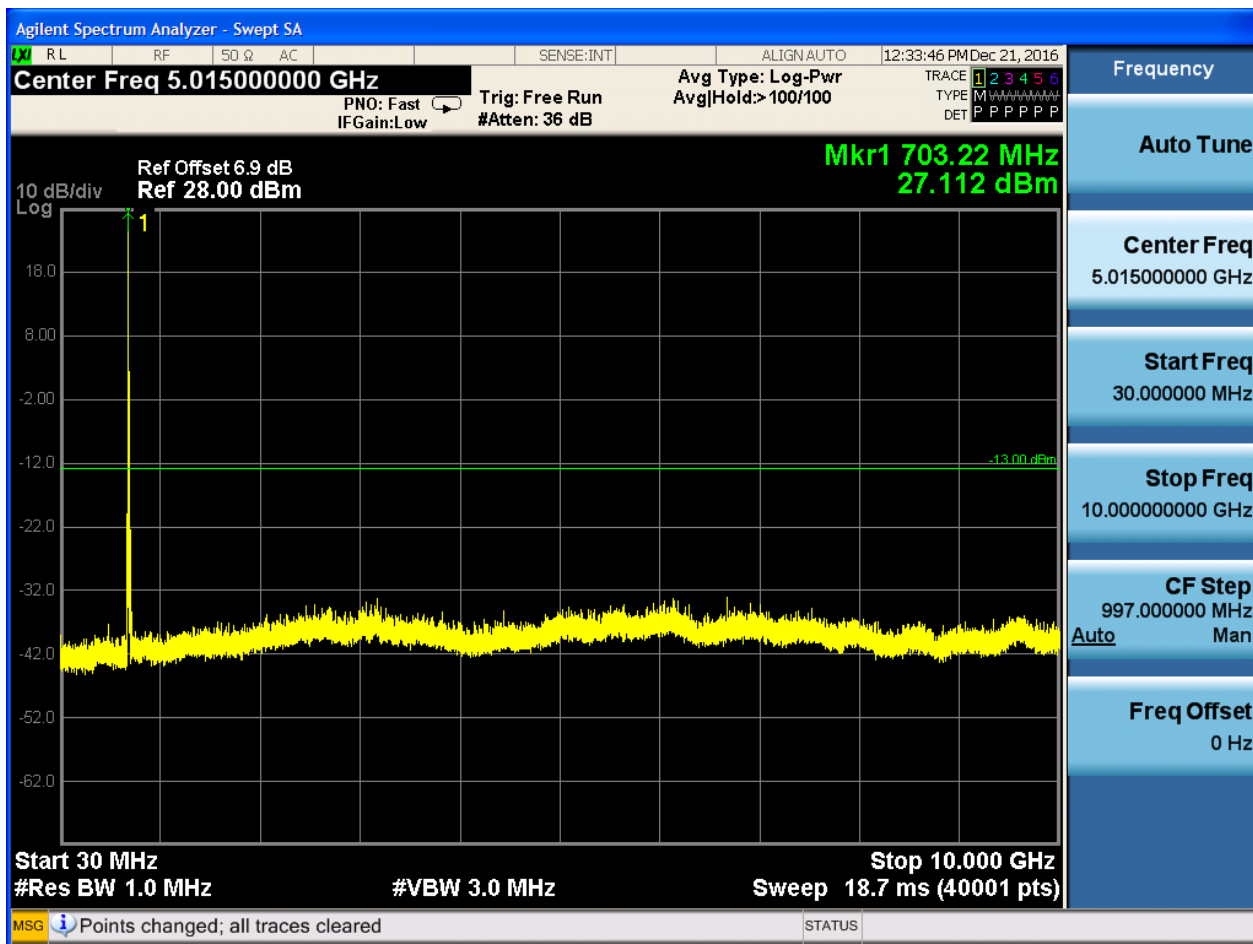


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



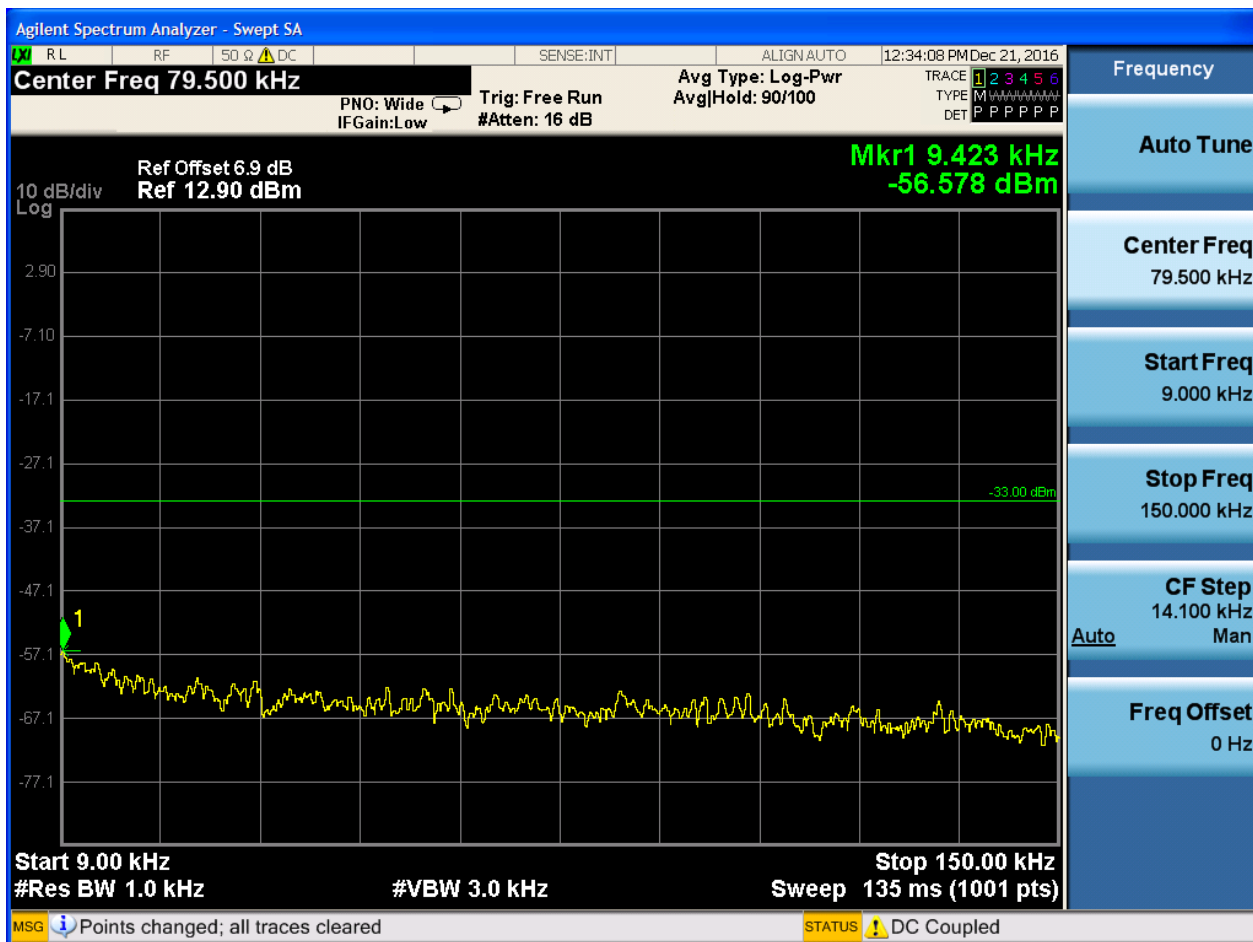


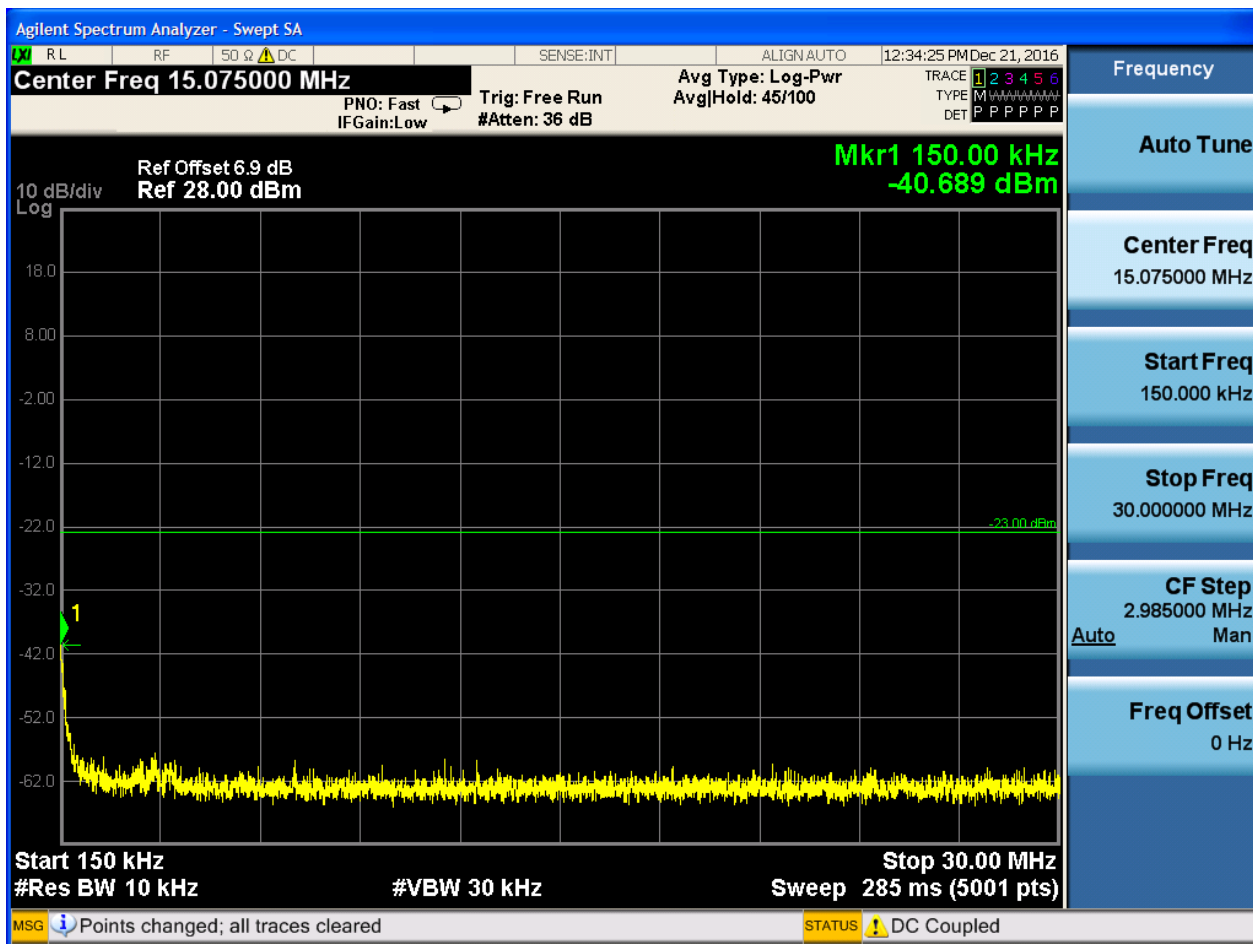


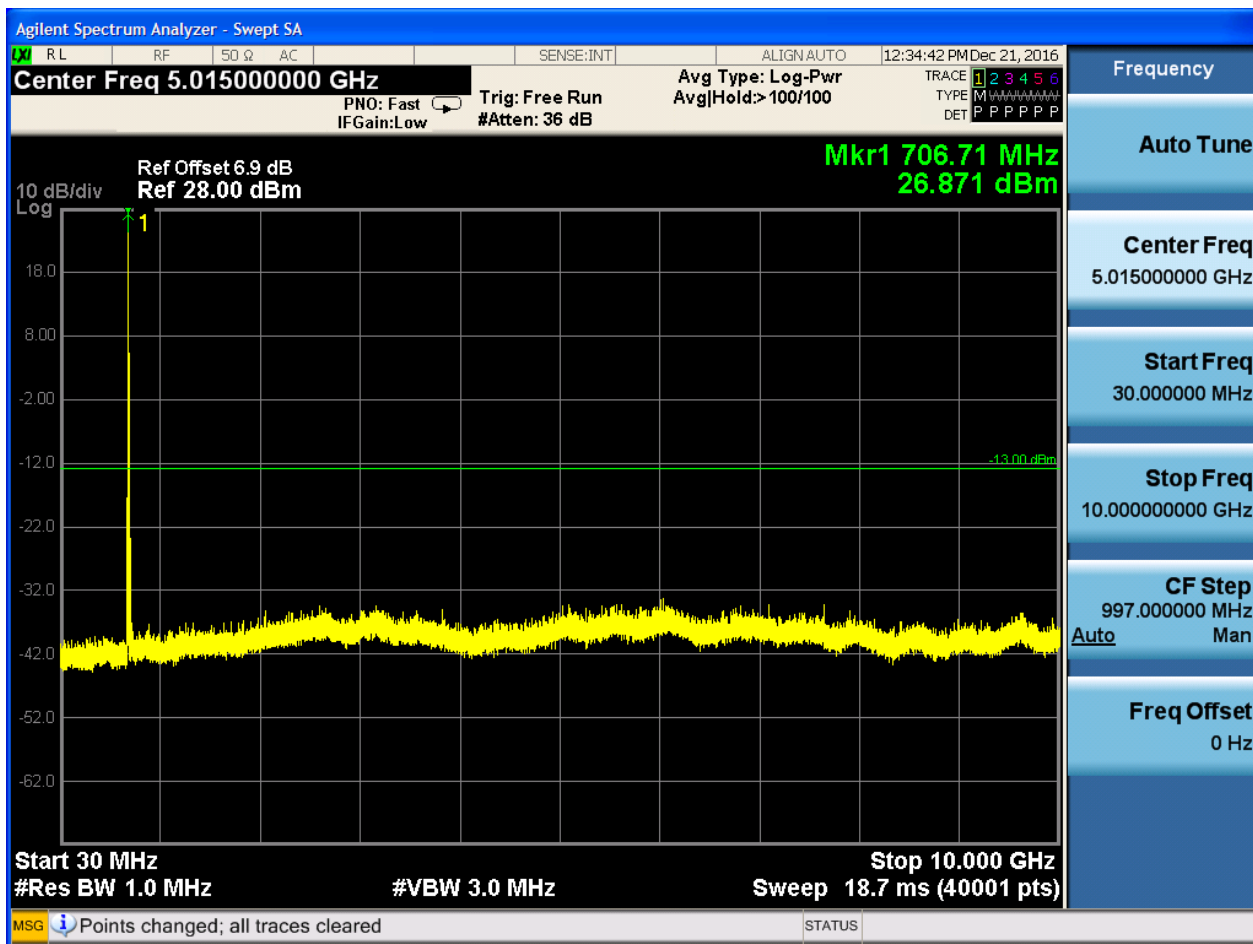


6.1.1.2.4.3 Test Channel = HCH

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

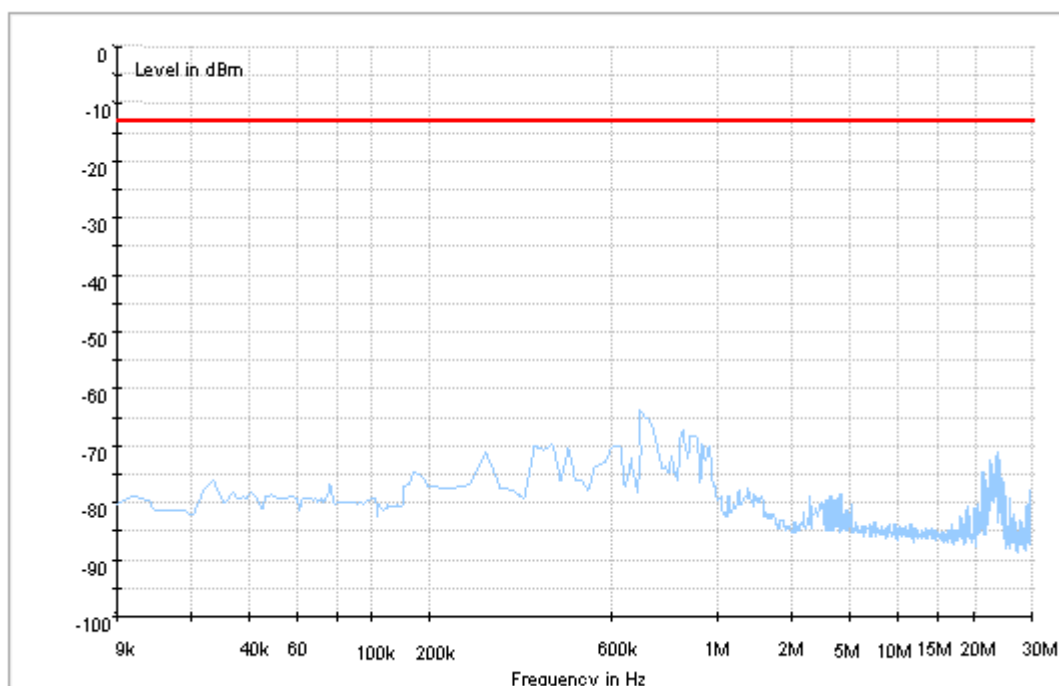
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

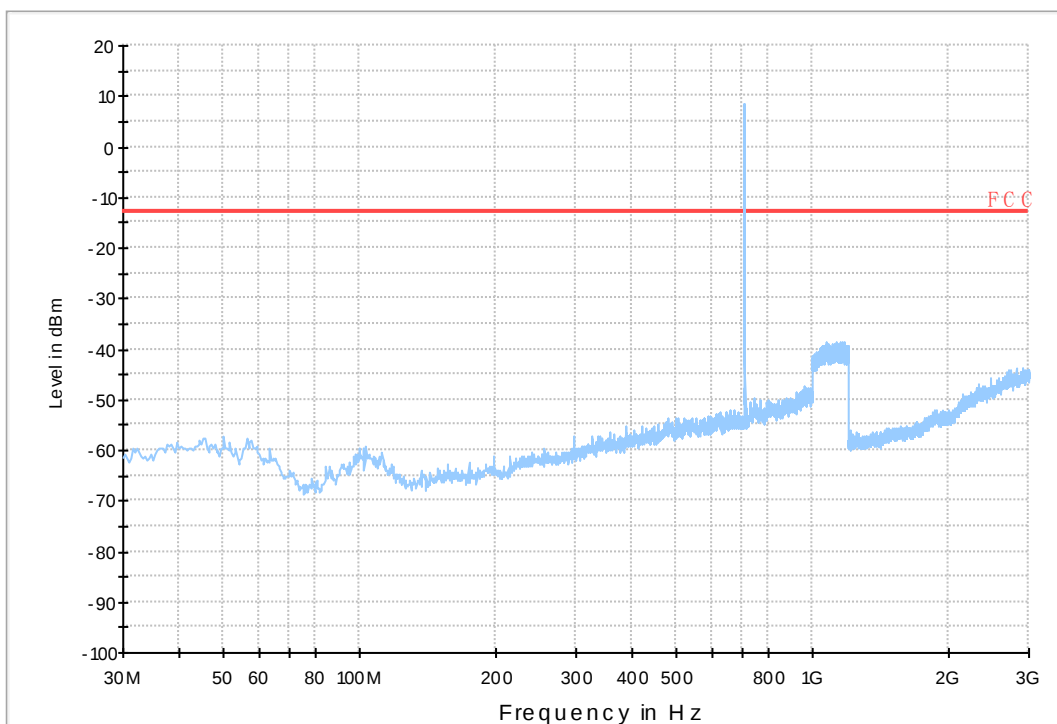
7.1 For LTE

7.1.1 Test Band = BAND12_Ant1

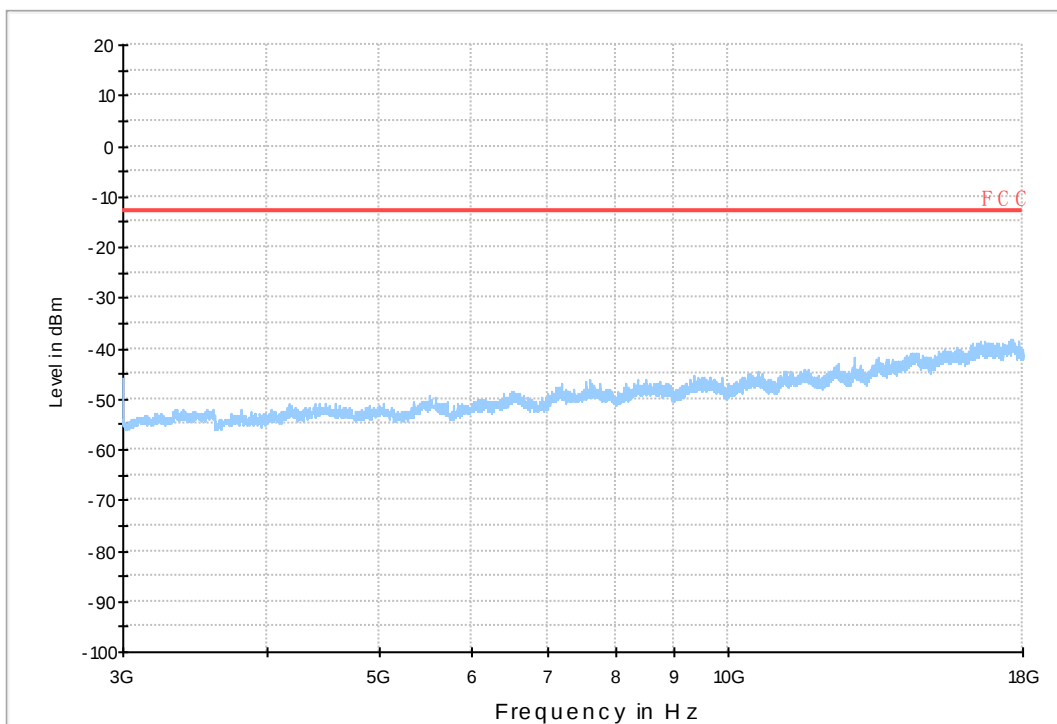
7.1.1.1 Test Bandwidth = 1.4



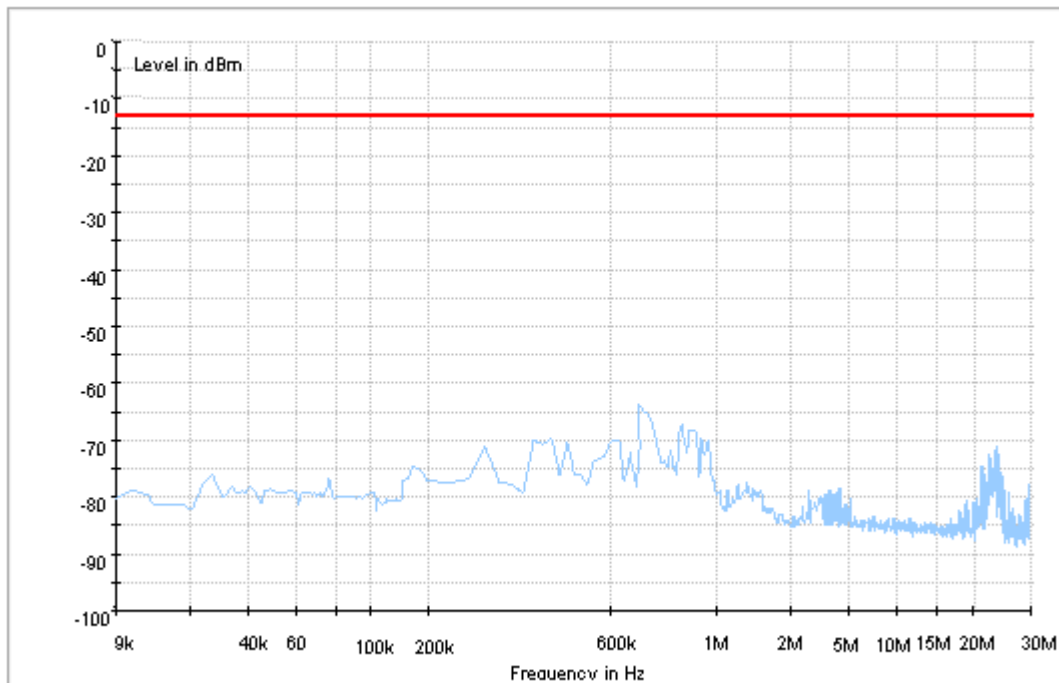
Copy of RSE-TX-DIRECTOR BELOW 1G_L



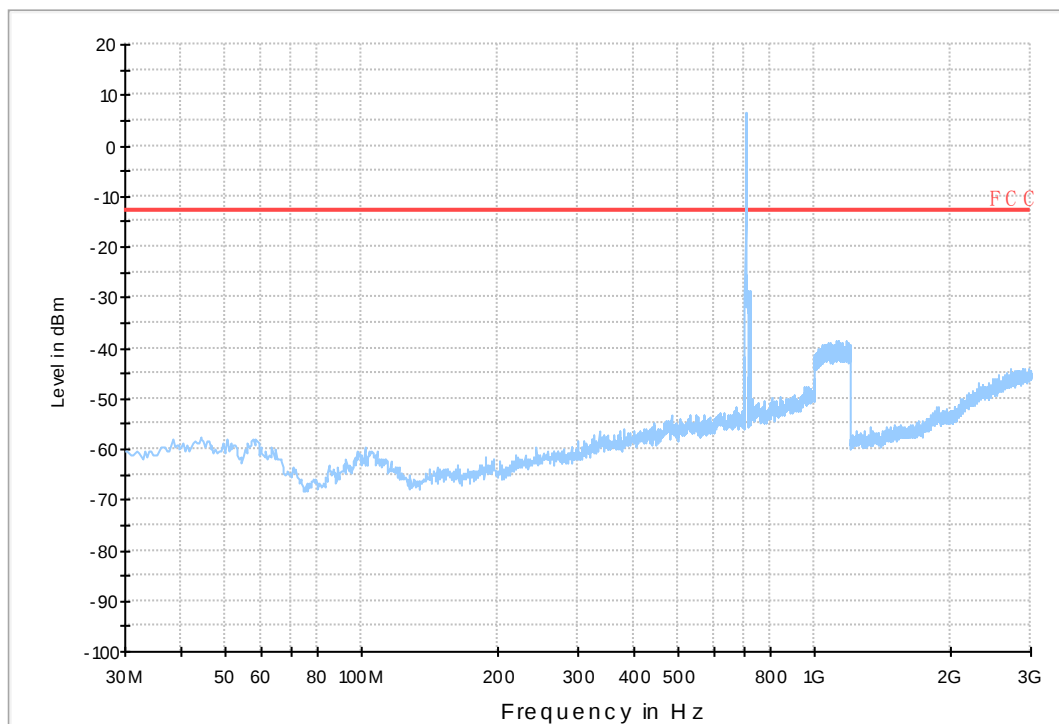
Copy of RSE-TX-DIRECTOR BELOW 1G_H



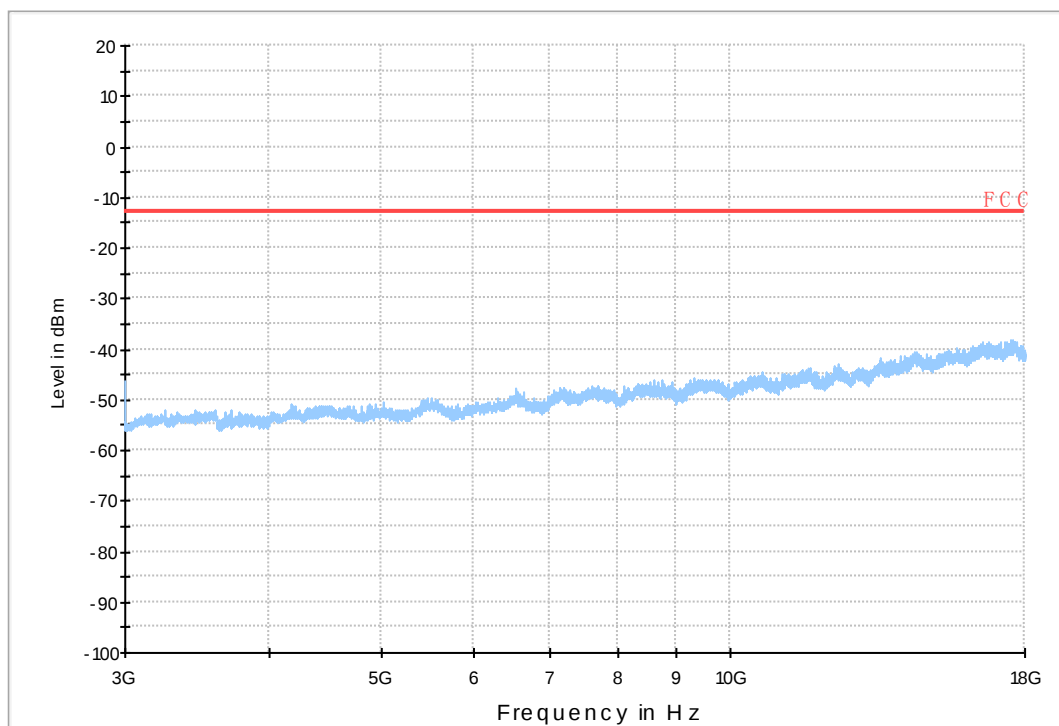
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

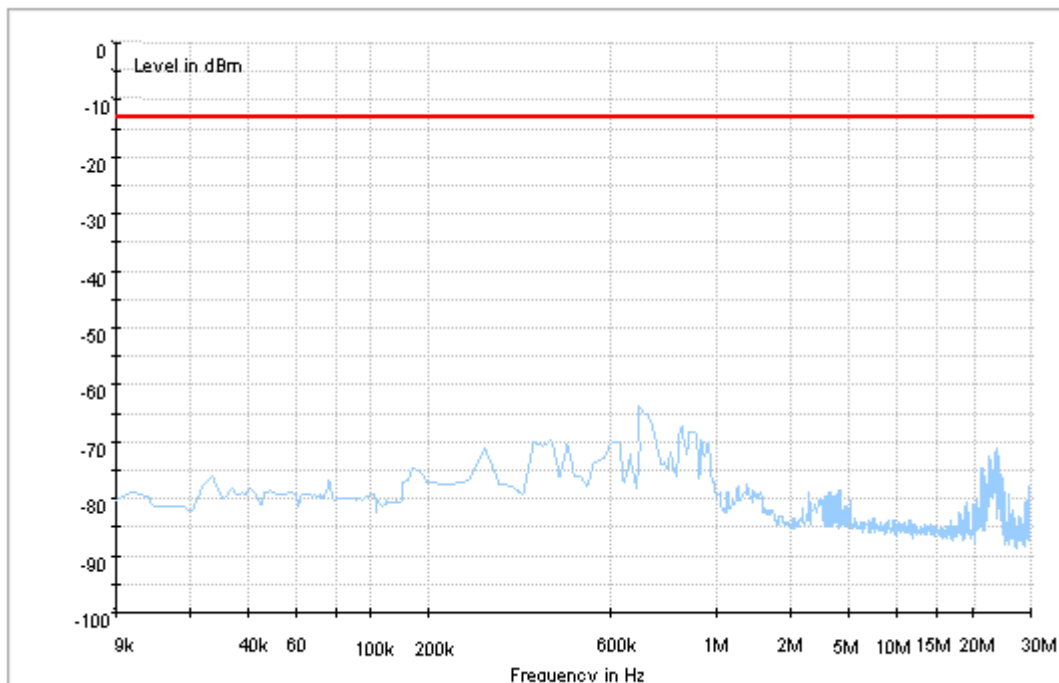


Copy of RSE-TX-DIRECTOR BELOW 1G_H

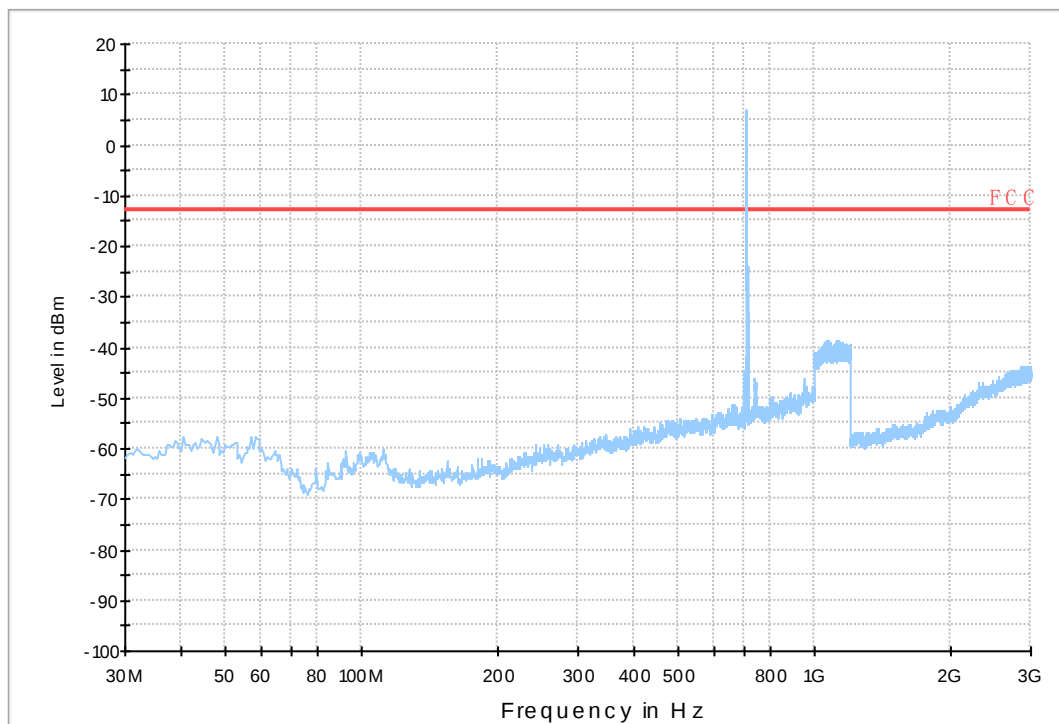


7.1.2 Test Band = BAND12_Ant2

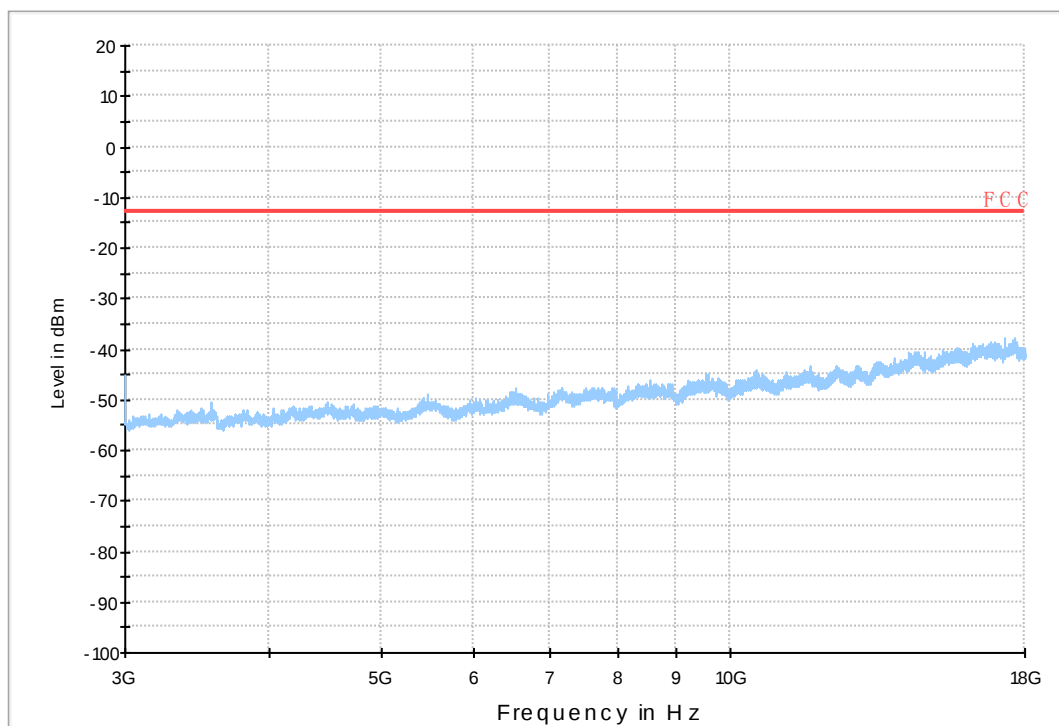
7.1.2.1 Test Bandwidth = 1.4



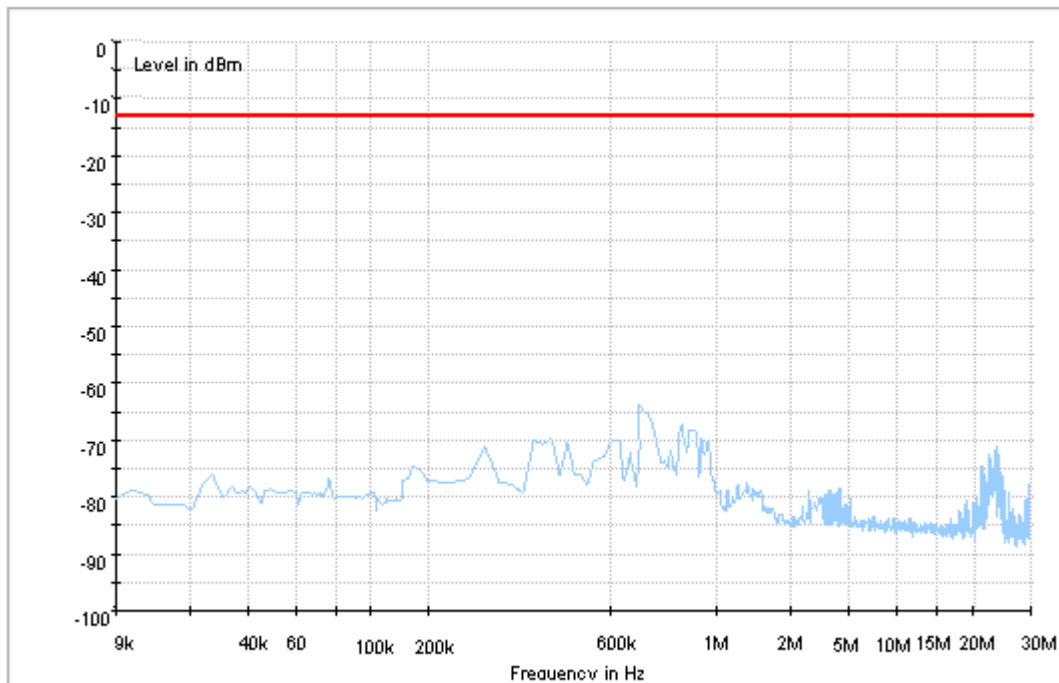
Copy of RSE-TX-DIRECTOR BELOW 1G_L



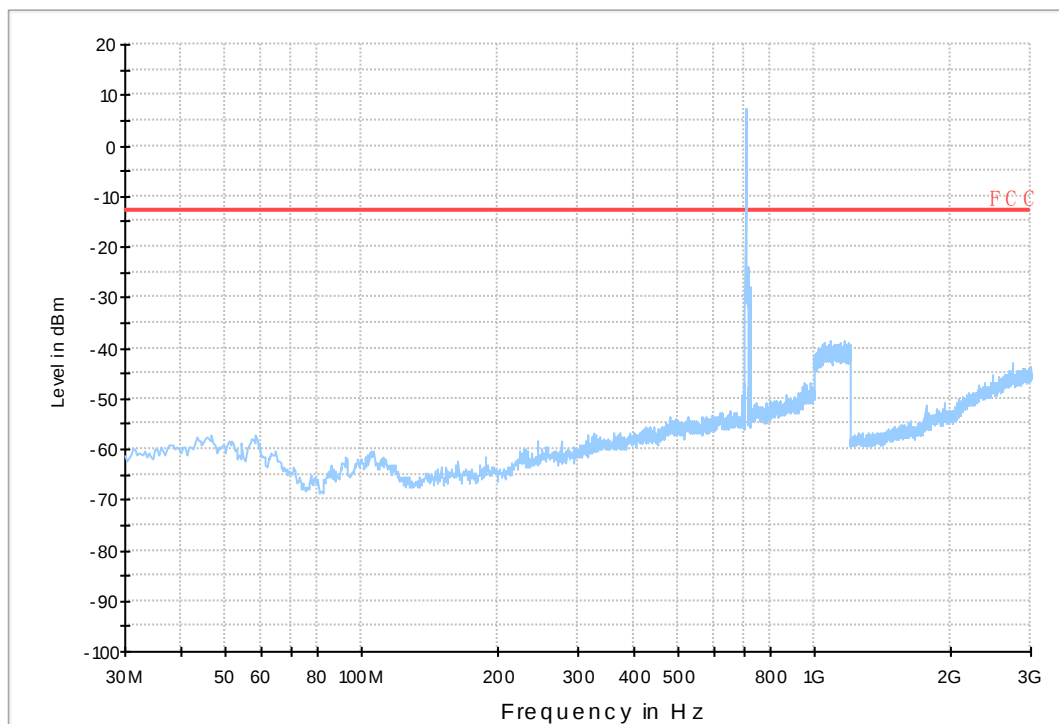
Copy of RSE-TX-DIRECTOR BELOW 1G_H



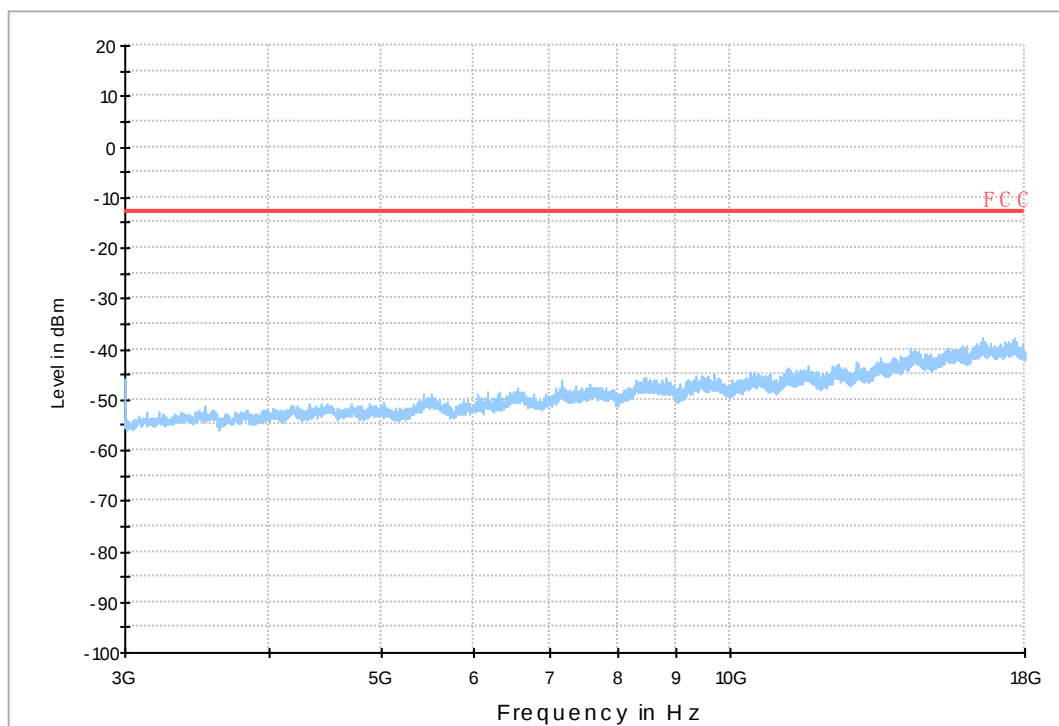
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_H



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
BAND12	LTE/TM1	1.4	LCH	TN	VL	7.21	0.0103	PASS
					VN	19.67	0.02811	PASS
					VH	-13.73	-0.01962	PASS
			MCH	TN	VL	13.19	0.01864	PASS
					VN	-0.77	-0.00109	PASS
					VH	2.10	0.00297	PASS
			HCH	TN	VL	6.25	0.00874	PASS
					VN	19.05	0.02663	PASS
					VH	-8.57	-0.01198	PASS
		3	LCH	TN	VL	-5.72	-0.00817	PASS
					VN	-7.72	-0.01102	PASS
					VH	-8.23	-0.01175	PASS
			MCH	TN	VL	3.92	0.00554	PASS
					VN	1.49	0.00211	PASS
					VH	-2.02	-0.00286	PASS
			HCH	TN	VL	-0.33	-0.00046	PASS
					VN	0.36	0.0005	PASS
					VH	0.30	0.00042	PASS
		5	LCH	TN	VL	-3.05	-0.00435	PASS
					VN	-0.63	-0.0009	PASS
					VH	-2.39	-0.00341	PASS
			MCH	TN	VL	0.33	0.00047	PASS
					VN	-1.86	-0.00263	PASS
					VH	-2.79	-0.00394	PASS
			HCH	TN	VL	-0.21	-0.00029	PASS
					VN	0.21	0.00029	PASS
					VH	-0.72	-0.00101	PASS
		10	LCH	TN	VL	-0.21	-0.0003	PASS
					VN	0.83	0.00118	PASS
					VH	-0.67	-0.00095	PASS
			MCH	TN	VL	-0.27	-0.00038	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	-2.12	-0.003	PASS
					VH	0.67	0.00095	PASS
					VL	-0.06	-0.00008	PASS
					VN	0.01	0.00001	PASS
					VH	-1.86	-0.00262	PASS
					VL	2.22	0.00317	PASS
	LTE/TM2	1.4	LCH	TN	VN	8.57	0.01225	PASS
					VH	6.28	0.00898	PASS
					VL	9.81	0.01387	PASS
			MCH	TN	VN	16.99	0.02401	PASS
					VH	-11.22	-0.01586	PASS
					VL	-3.96	-0.00554	PASS
			HCH	TN	VN	4.41	0.00617	PASS
					VH	13.22	0.01848	PASS
					VL	-1.40	-0.002	PASS
		3	LCH	TN	VN	-8.98	-0.01282	PASS
					VH	2.47	0.00353	PASS
					VL	-0.33	-0.00047	PASS
			MCH	TN	VN	-2.02	-0.00286	PASS
					VH	1.57	0.00222	PASS
					VL	4.99	0.00698	PASS
			HCH	TN	VN	0.77	0.00108	PASS
					VH	-2.90	-0.00406	PASS
					VL	0.72	0.00103	PASS
		5	LCH	TN	VN	-3.72	-0.0053	PASS
					VH	0.56	0.0008	PASS
					VL	3.23	0.00457	PASS
			MCH	TN	VN	-1.83	-0.00259	PASS
					VH	-1.56	-0.0022	PASS
					VL	-1.77	-0.00248	PASS
			HCH	TN	VN	0.24	0.00034	PASS
					VH	1.17	0.00164	PASS
					VL	-0.49	-0.0007	PASS
		10	LCH	TN	VN	3.06	0.00435	PASS
					VH	0.62	0.00088	PASS
					VL	-1.83	-0.00259	PASS
			MCH	TN	VN	0.23	0.00033	PASS
					VH	0.63	0.00089	PASS
					VL	-2.30	-0.00323	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-2.07	-0.00291	PASS
					VH	-2.78	-0.00391	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
BAND12	LTE/TM1	1.4	LCH	VN	-30	4.21	0.00602	PASS
					-20	18.61	0.0266	PASS
					-10	1.60	0.00229	PASS
					0	6.81	0.00973	PASS
					10	17.64	0.02521	PASS
					20	-1.67	-0.00239	PASS
					30	-7.31	-0.01045	PASS
					40	-2.85	-0.00407	PASS
					50	-4.48	-0.0064	PASS
			MCH	VN	-30	17.24	0.02437	PASS
					-20	-4.92	-0.00695	PASS
					-10	-3.95	-0.00558	PASS
					0	-2.30	-0.00325	PASS
					10	5.48	0.00775	PASS
					20	7.48	0.01057	PASS
					30	16.48	0.02329	PASS
					40	-7.11	-0.01005	PASS
					50	-0.01	-0.00001	PASS
			HCH	VN	-30	5.04	0.00705	PASS
					-20	-23.89	-0.0334	PASS
					-10	10.64	0.01487	PASS
					0	-2.86	-0.004	PASS
					10	-3.75	-0.00524	PASS
					20	-2.76	-0.00386	PASS
					30	2.02	0.00282	PASS
					40	7.45	0.01042	PASS
					50	1.59	0.00222	PASS
		3	LCH	VN	-30	-6.39	-0.00912	PASS
					-20	-0.23	-0.00033	PASS
					-10	5.42	0.00774	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	0.17	0.00024	PASS
					10	-7.70	-0.01099	PASS
					20	2.72	0.00388	PASS
					30	-4.68	-0.00668	PASS
					40	-5.58	-0.00797	PASS
					50	5.66	0.00808	PASS
			MCH	VN	-30	0.86	0.00122	PASS
					-20	-1.12	-0.00158	PASS
					-10	-3.63	-0.00513	PASS
					0	0.00	0	PASS
					10	-2.45	-0.00346	PASS
					20	-2.00	-0.00283	PASS
					30	0.90	0.00127	PASS
					40	-1.67	-0.00236	PASS
					50	-1.82	-0.00257	PASS
			HCH	VN	-30	-1.33	-0.00186	PASS
					-20	1.86	0.0026	PASS
					-10	0.27	0.00038	PASS
					0	1.80	0.00252	PASS
					10	-0.16	-0.00022	PASS
					20	-5.39	-0.00754	PASS
					30	-1.80	-0.00252	PASS
					40	4.45	0.00623	PASS
					50	-1.76	-0.00246	PASS
		5	LCH	VN	-30	0.99	0.00141	PASS
					-20	0.84	0.0012	PASS
					-10	1.34	0.00191	PASS
					0	1.50	0.00214	PASS
					10	-1.14	-0.00163	PASS
					20	-0.29	-0.00041	PASS
			MCH	VN	30	1.10	0.00157	PASS
					40	-0.44	-0.00063	PASS
					50	-0.11	-0.00016	PASS
					-30	1.14	0.00161	PASS
					-20	-1.96	-0.00277	PASS
					-10	0.96	0.00136	PASS
					0	-2.30	-0.00325	PASS
					10	-1.90	-0.00269	PASS
					20	-0.99	-0.0014	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.75	0.00247	PASS
					40	0.49	0.00069	PASS
					50	-3.93	-0.00555	PASS
			HCH	VN	-30	0.72	0.00101	PASS
					-20	-0.49	-0.00069	PASS
					-10	-0.80	-0.00112	PASS
					0	-1.23	-0.00172	PASS
					10	-0.46	-0.00064	PASS
					20	-0.30	-0.00042	PASS
					30	0.79	0.00111	PASS
					40	-1.47	-0.00206	PASS
					50	1.47	0.00206	PASS
		10	LCH	VN	-30	0.29	0.00041	PASS
					-20	-0.84	-0.00119	PASS
					-10	-1.36	-0.00193	PASS
					0	1.80	0.00256	PASS
					10	-0.69	-0.00098	PASS
					20	-0.49	-0.0007	PASS
					30	-1.22	-0.00173	PASS
					40	-0.17	-0.00024	PASS
					50	-1.54	-0.00219	PASS
			MCH	VN	-30	0.16	0.00023	PASS
					-20	0.27	0.00038	PASS
					-10	1.50	0.00212	PASS
					0	-2.02	-0.00286	PASS
					10	-0.72	-0.00102	PASS
					20	0.44	0.00062	PASS
					30	-1.16	-0.00164	PASS
					40	-0.07	-0.0001	PASS
					50	-2.73	-0.00386	PASS
			HCH	VN	-30	5.02	0.00706	PASS
					-20	0.04	0.00006	PASS
					-10	-0.37	-0.00052	PASS
					0	-1.53	-0.00215	PASS
					10	-1.17	-0.00165	PASS
					20	0.39	0.00055	PASS
					30	-0.11	-0.00015	PASS
					40	0.99	0.00139	PASS
					50	1.50	0.00211	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	1.4	LCH	VN	-30	-3.65	-0.00522	PASS
					-20	11.14	0.01592	PASS
					-10	6.09	0.0087	PASS
					0	-5.22	-0.00746	PASS
					10	8.50	0.01215	PASS
					20	0.33	0.00047	PASS
					30	-6.37	-0.0091	PASS
					40	1.44	0.00206	PASS
					50	10.09	0.01442	PASS
			MCH	VN	-30	-32.40	-0.0458	PASS
					-20	13.68	0.01934	PASS
					-10	-0.31	-0.00044	PASS
					0	7.57	0.0107	PASS
					10	2.29	0.00324	PASS
					20	-3.19	-0.00451	PASS
					30	1.52	0.00215	PASS
					40	6.21	0.00878	PASS
					50	-0.29	-0.00041	PASS
			HCH	VN	-30	-7.81	-0.01092	PASS
					-20	-0.09	-0.00013	PASS
					-10	0.57	0.0008	PASS
					0	-4.76	-0.00665	PASS
					10	-15.23	-0.02129	PASS
					20	3.82	0.00534	PASS
					30	8.13	0.01137	PASS
					40	22.03	0.0308	PASS
					50	2.16	0.00302	PASS
		3	LCH	VN	-30	-4.71	-0.00672	PASS
					-20	-2.59	-0.0037	PASS
					-10	3.29	0.0047	PASS
					0	-1.75	-0.0025	PASS
					10	8.91	0.01272	PASS
					20	-12.16	-0.01736	PASS
					30	9.87	0.01409	PASS
					40	5.69	0.00812	PASS
					50	8.28	0.01182	PASS
			MCH	VN	-30	-1.65	-0.00233	PASS
					-20	0.59	0.00083	PASS
					-10	5.95	0.00841	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	1.63	0.0023	PASS
					10	-0.13	-0.00018	PASS
					20	1.36	0.00192	PASS
					30	1.52	0.00215	PASS
					40	-1.39	-0.00196	PASS
					50	-2.62	-0.0037	PASS
			HCH	VN	-30	0.56	0.00078	PASS
					-20	-7.01	-0.00981	PASS
					-10	-1.73	-0.00242	PASS
					0	2.50	0.0035	PASS
					10	0.62	0.00087	PASS
					20	2.46	0.00344	PASS
					30	-12.80	-0.01791	PASS
					40	-3.79	-0.0053	PASS
					50	-2.07	-0.0029	PASS
		5	LCH	VN	-30	-0.63	-0.0009	PASS
					-20	-1.22	-0.00174	PASS
					-10	3.10	0.00442	PASS
					0	-1.06	-0.00151	PASS
					10	-0.87	-0.00124	PASS
					20	-0.01	-0.00001	PASS
					30	-1.59	-0.00227	PASS
					40	0.23	0.00033	PASS
					50	-2.09	-0.00298	PASS
			MCH	VN	-30	2.17	0.00307	PASS
					-20	-2.42	-0.00342	PASS
					-10	2.25	0.00318	PASS
					0	2.07	0.00293	PASS
					10	-1.65	-0.00233	PASS
					20	-0.24	-0.00034	PASS
					30	2.09	0.00295	PASS
					40	0.60	0.00085	PASS
					50	1.19	0.00168	PASS
			HCH	VN	-30	0.34	0.00048	PASS
					-20	0.21	0.00029	PASS
					-10	-0.41	-0.00057	PASS
					0	0.30	0.00042	PASS
					10	0.77	0.00108	PASS
					20	1.17	0.00164	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					30	1.42	0.00199	PASS
					40	1.92	0.00269	PASS
					50	1.32	0.00185	PASS
		10	LCH	VN	-30	0.77	0.00109	PASS
					-20	-2.92	-0.00415	PASS
					-10	-1.69	-0.0024	PASS
					0	0.74	0.00105	PASS
					10	-0.24	-0.00034	PASS
					20	-0.70	-0.00099	PASS
					30	-0.39	-0.00055	PASS
					40	-1.07	-0.00152	PASS
					50	-1.29	-0.00183	PASS
			MCH	VN	-30	-0.47	-0.00066	PASS
					-20	-2.12	-0.003	PASS
					-10	-3.35	-0.00473	PASS
					0	-2.47	-0.00349	PASS
					10	-1.99	-0.00281	PASS
					20	0.11	0.00016	PASS
					30	-1.24	-0.00175	PASS
					40	-1.22	-0.00172	PASS
					50	-1.20	-0.0017	PASS
			HCH	VN	-30	-0.59	-0.00083	PASS
					-20	-1.19	-0.00167	PASS
					-10	-0.77	-0.00108	PASS
					0	3.25	0.00457	PASS
					10	-2.27	-0.00319	PASS
					20	-1.90	-0.00267	PASS
					30	-4.03	-0.00567	PASS
					40	-0.70	-0.00098	PASS
					50	-4.23	-0.00595	PASS

END