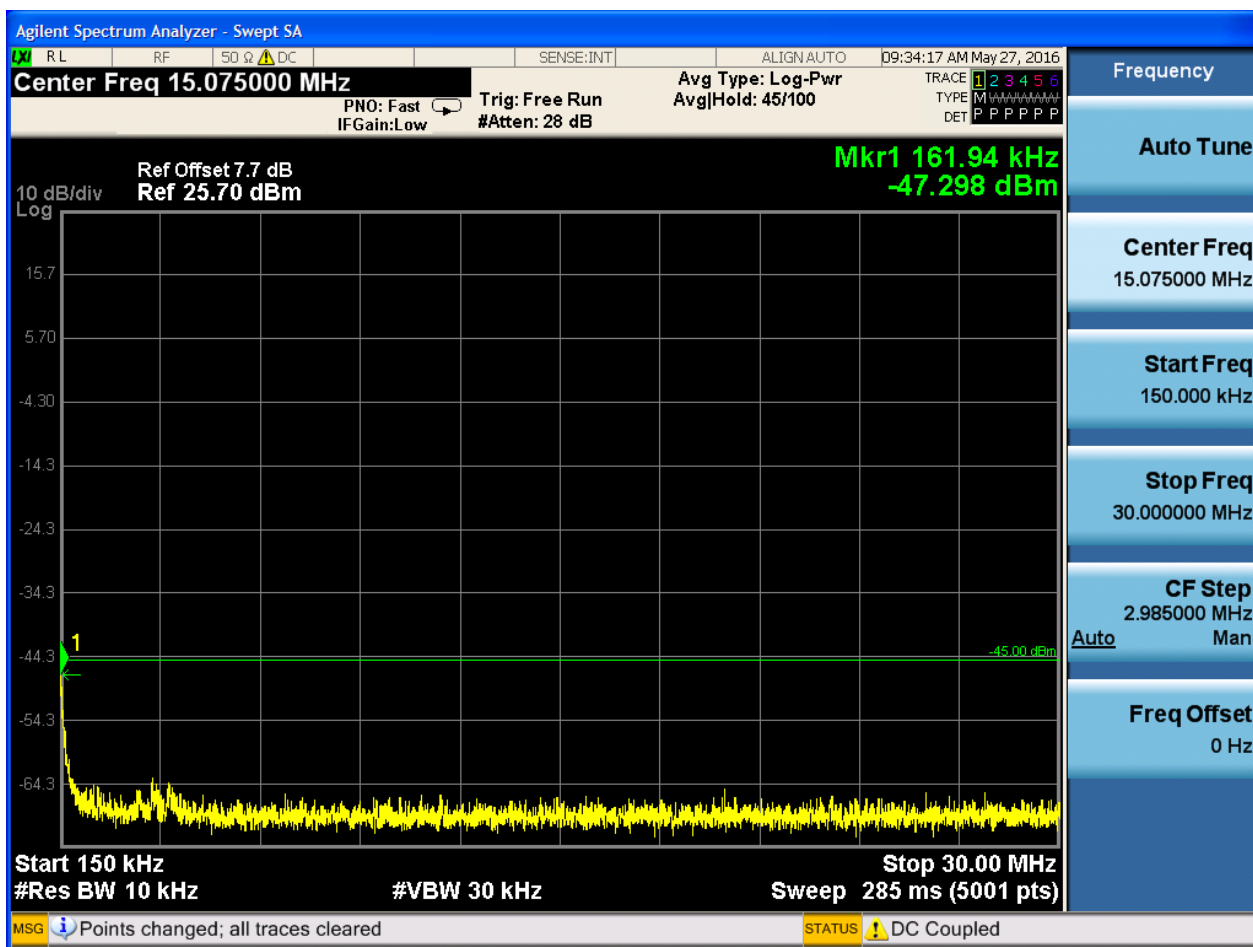
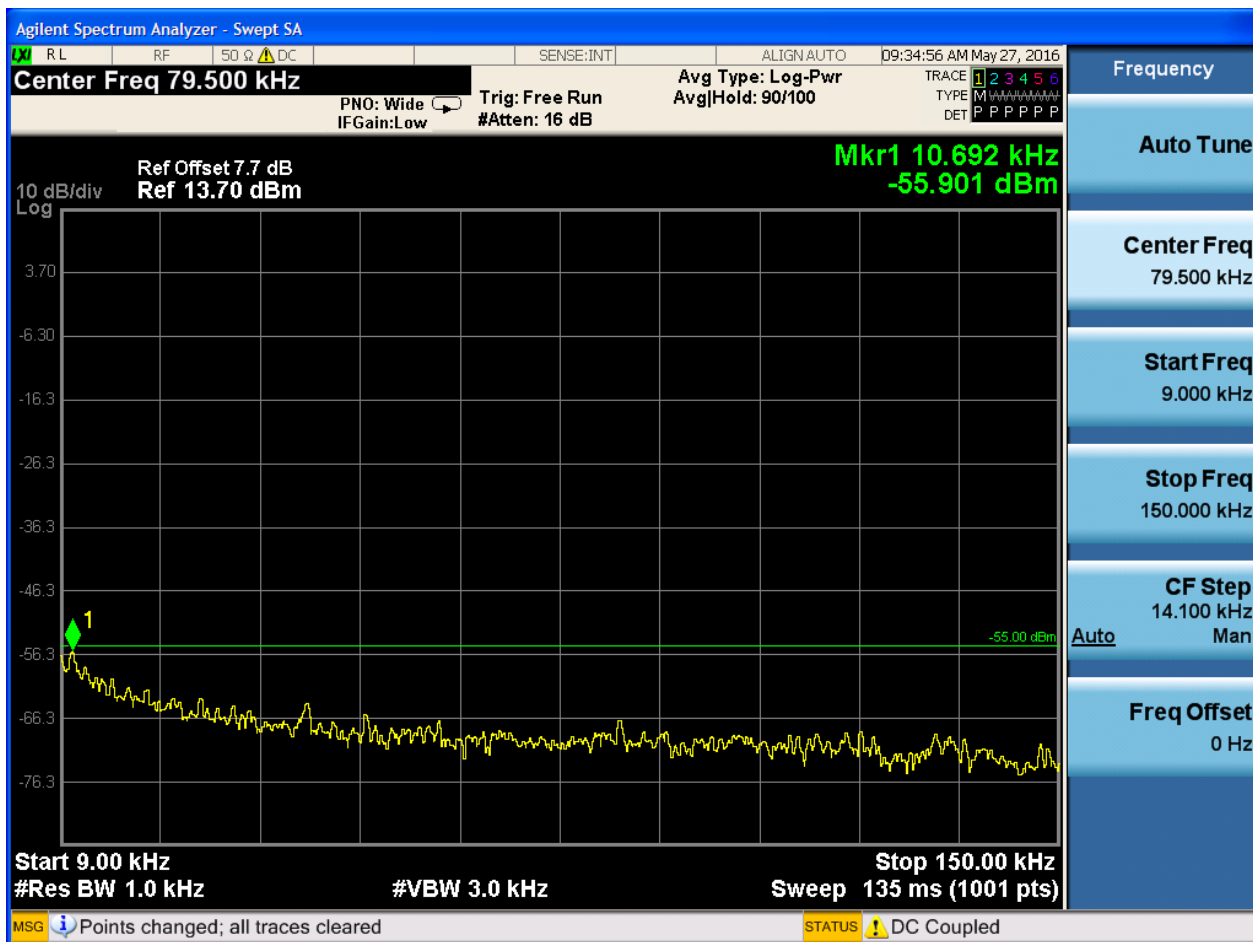


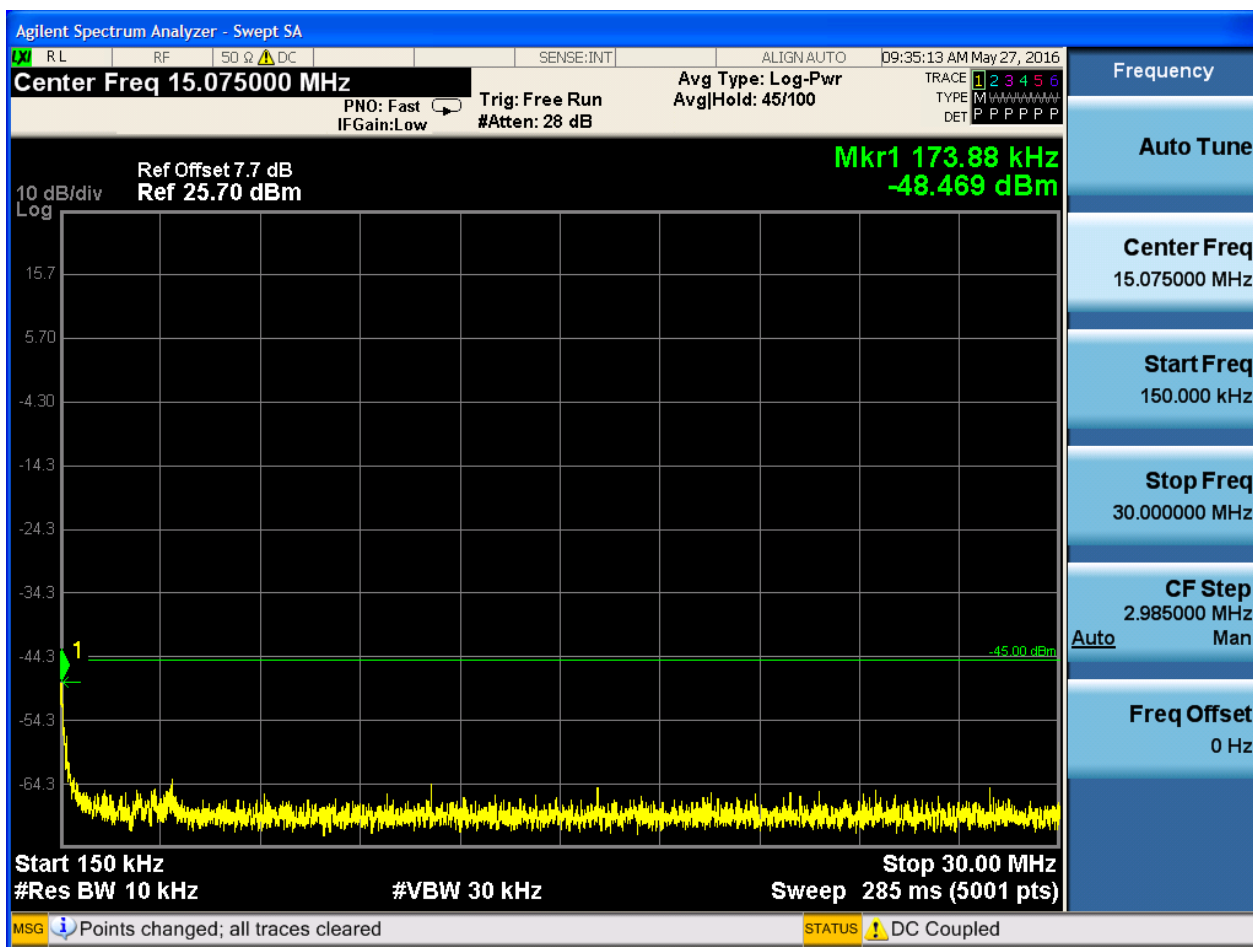




6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0

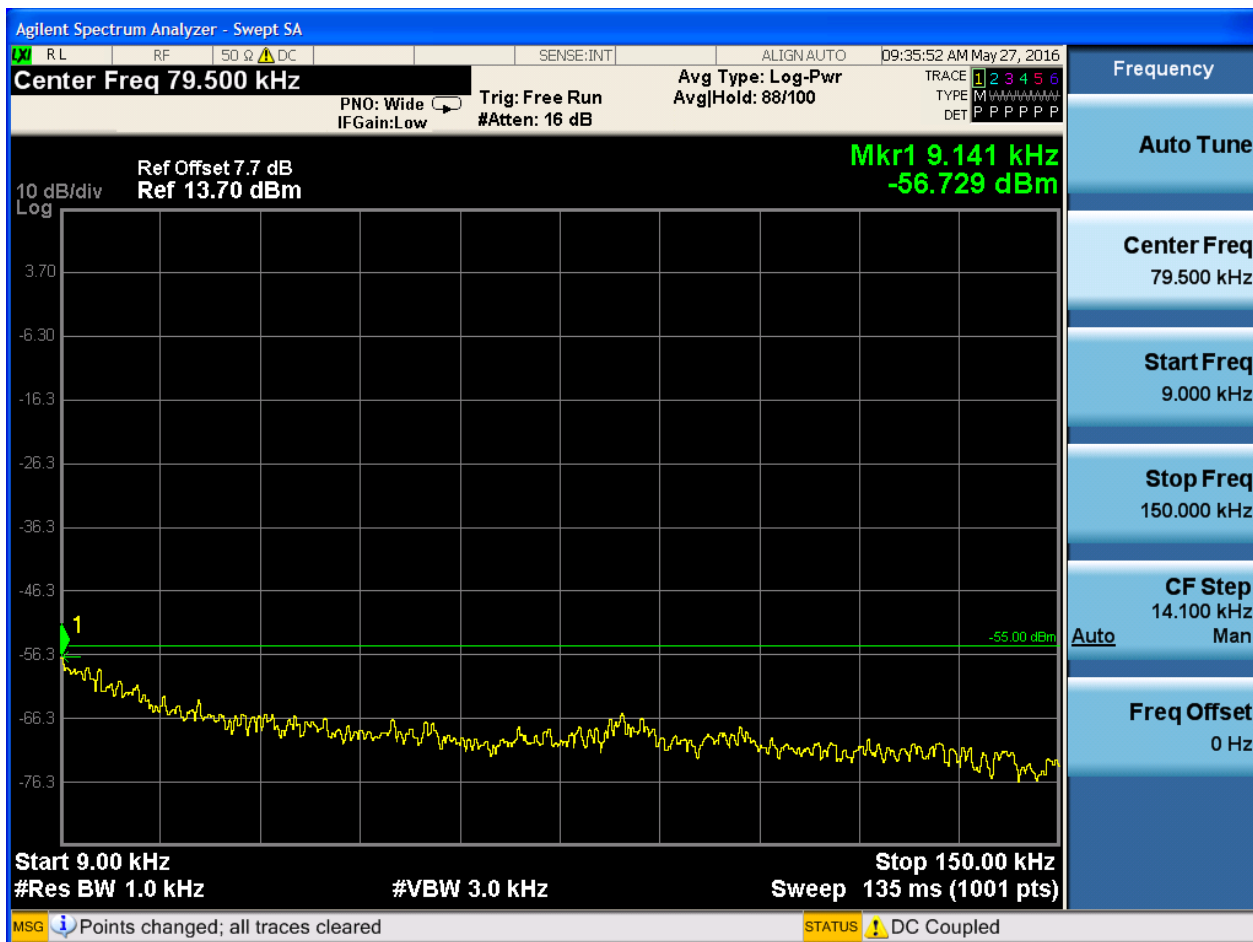




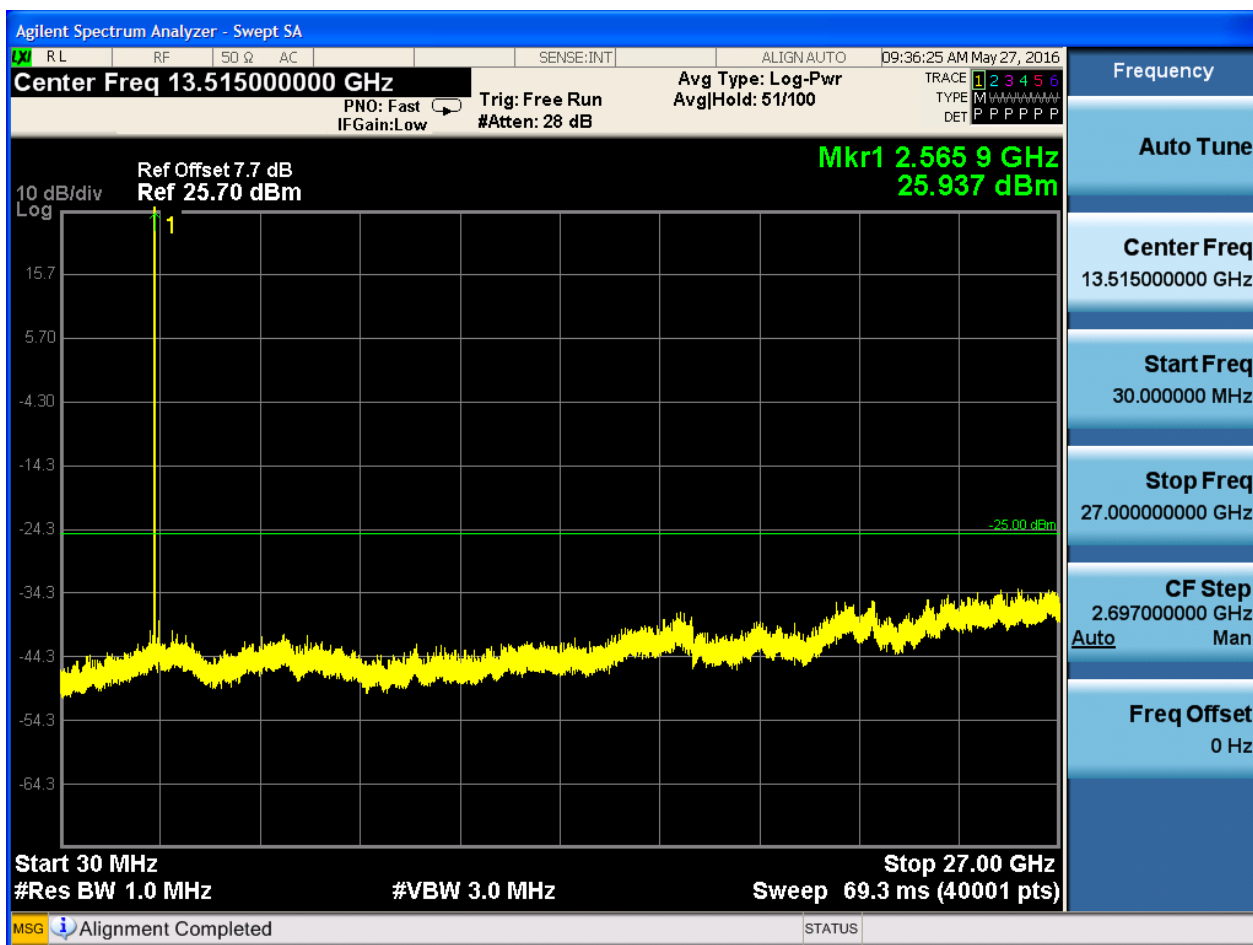


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



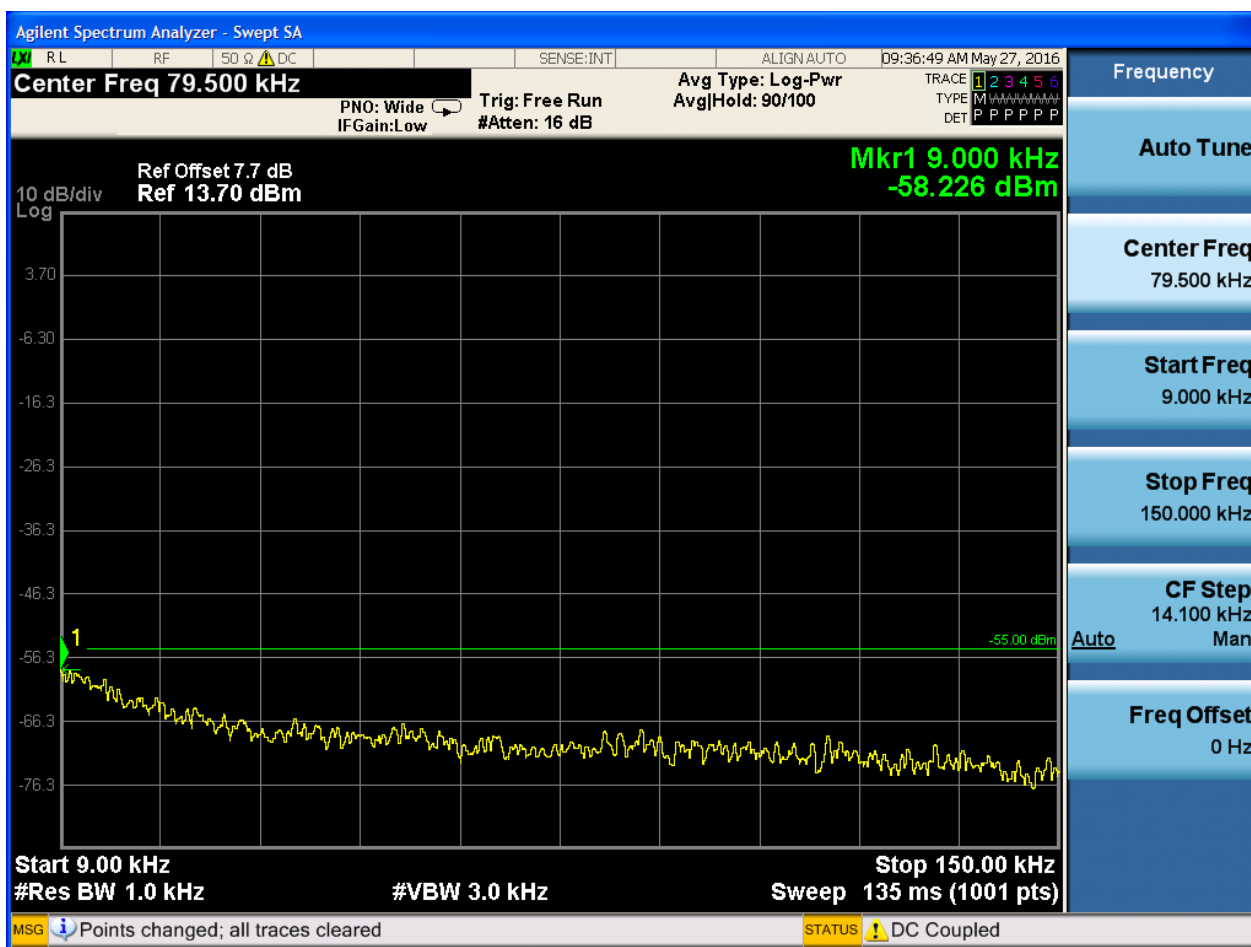


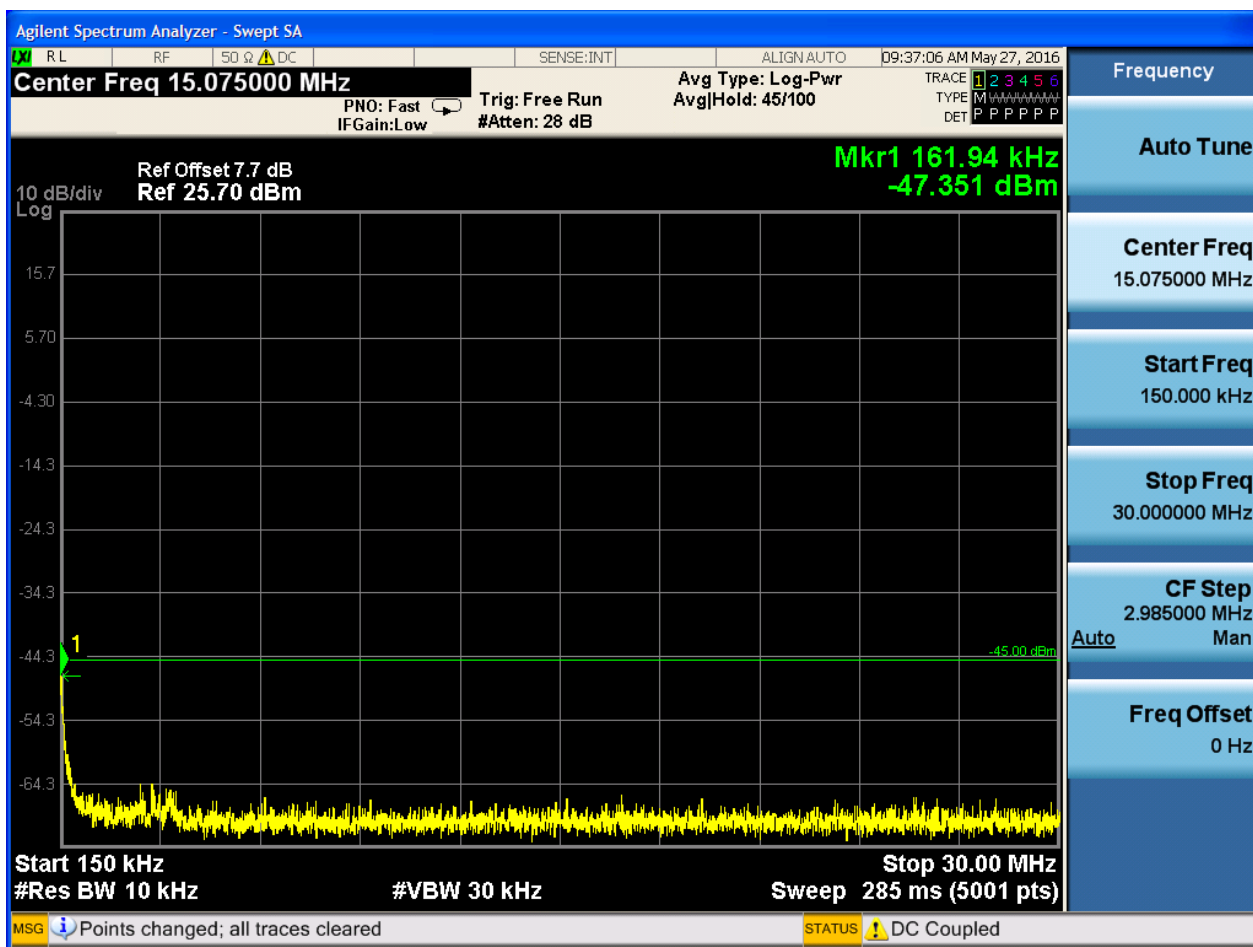


6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



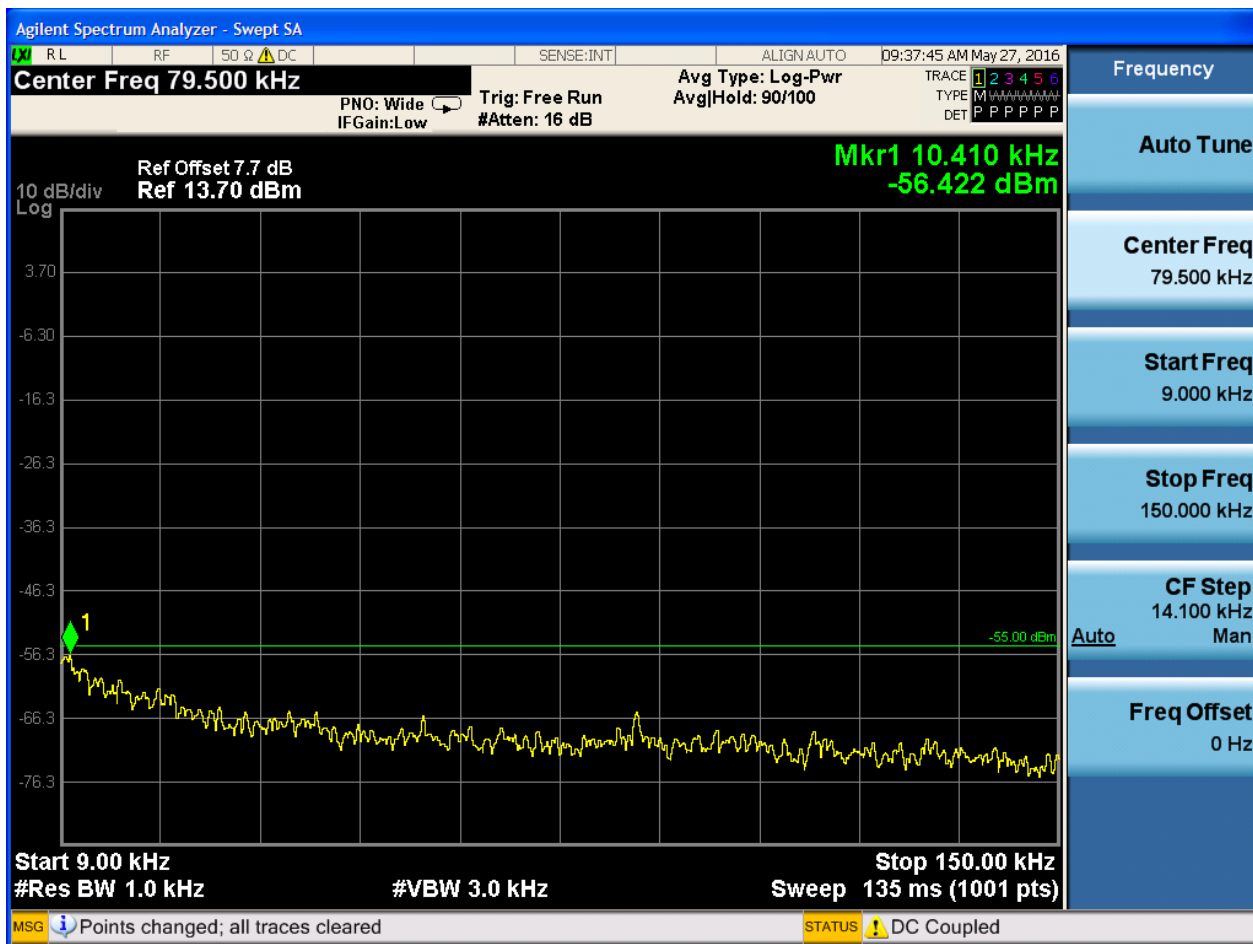




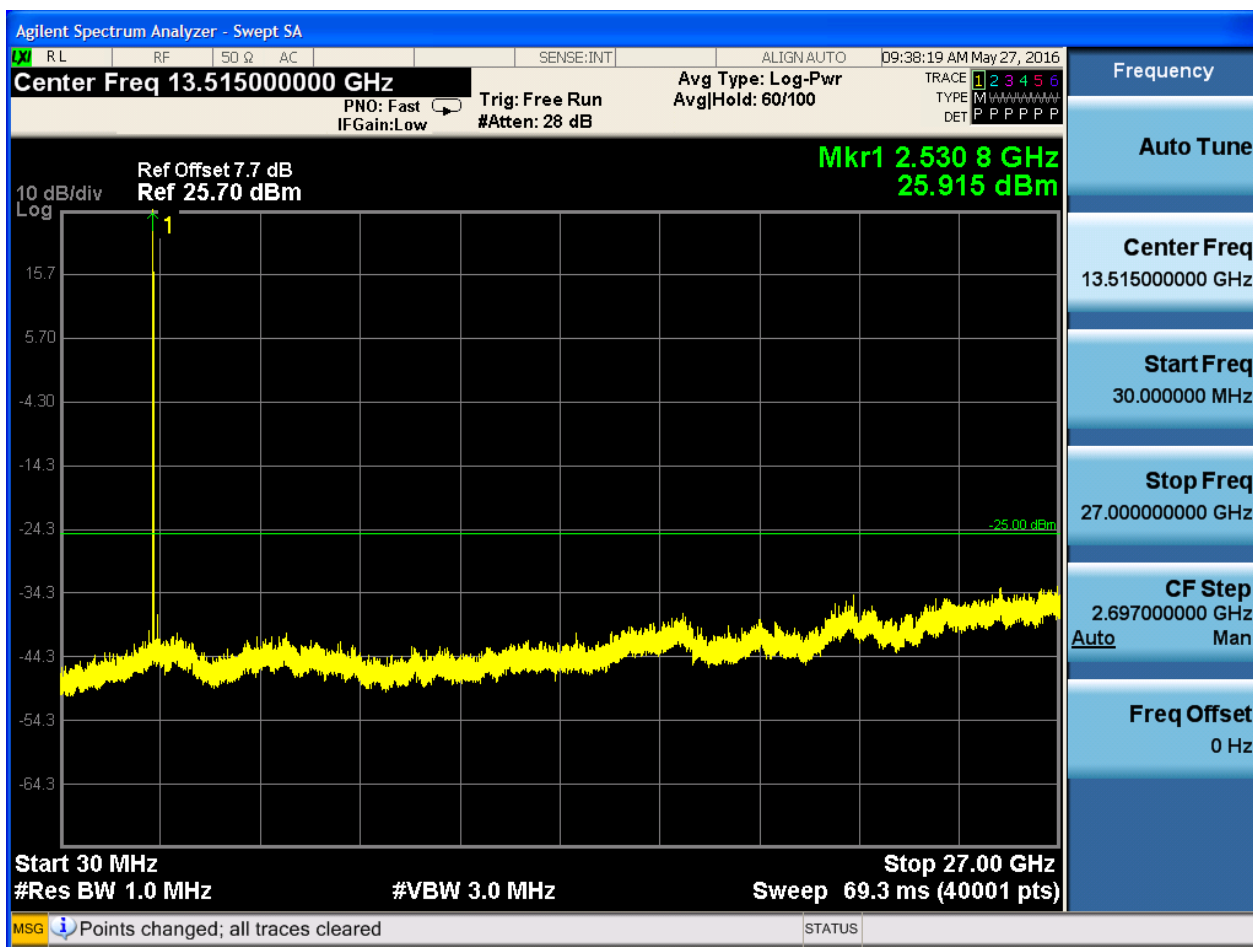


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

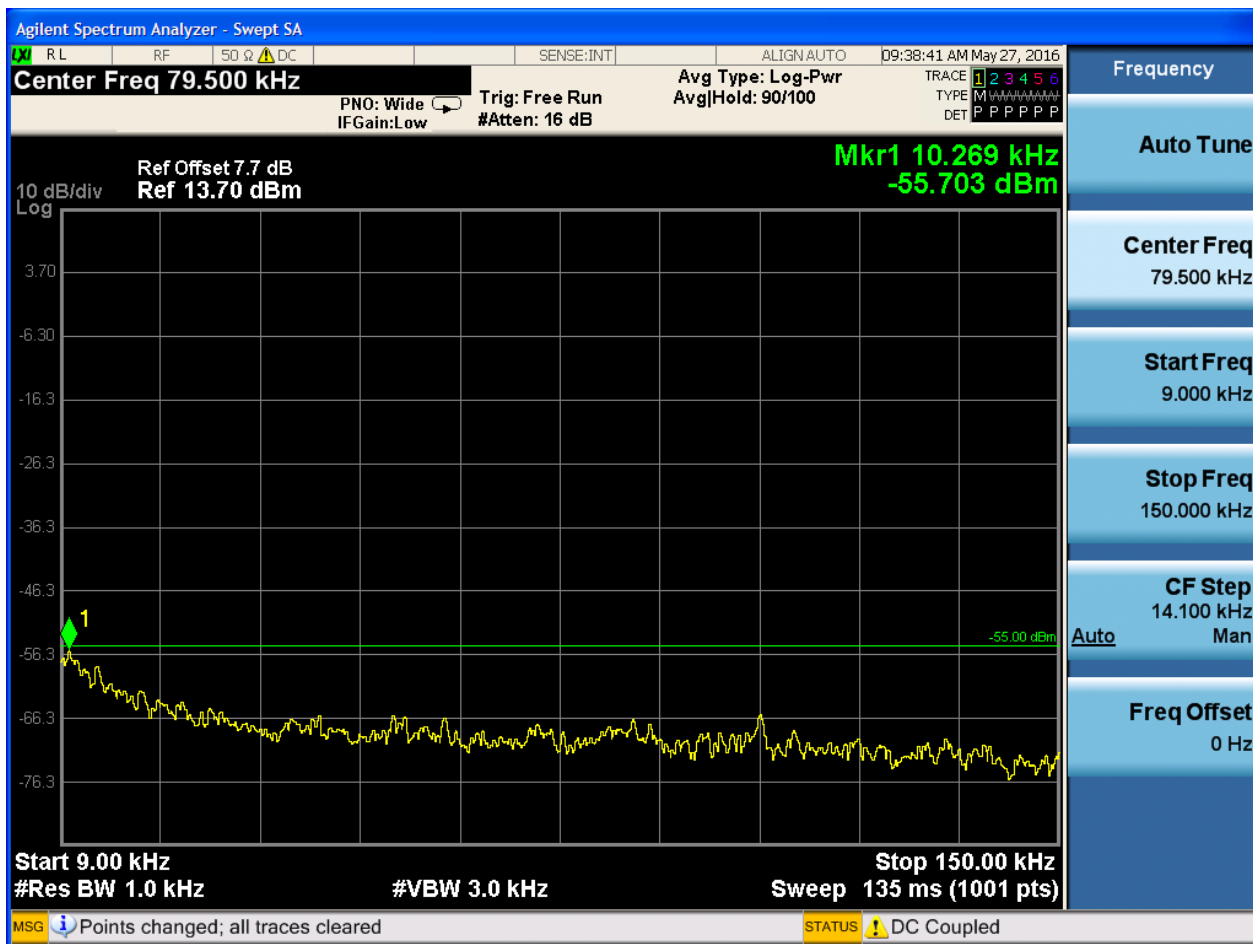


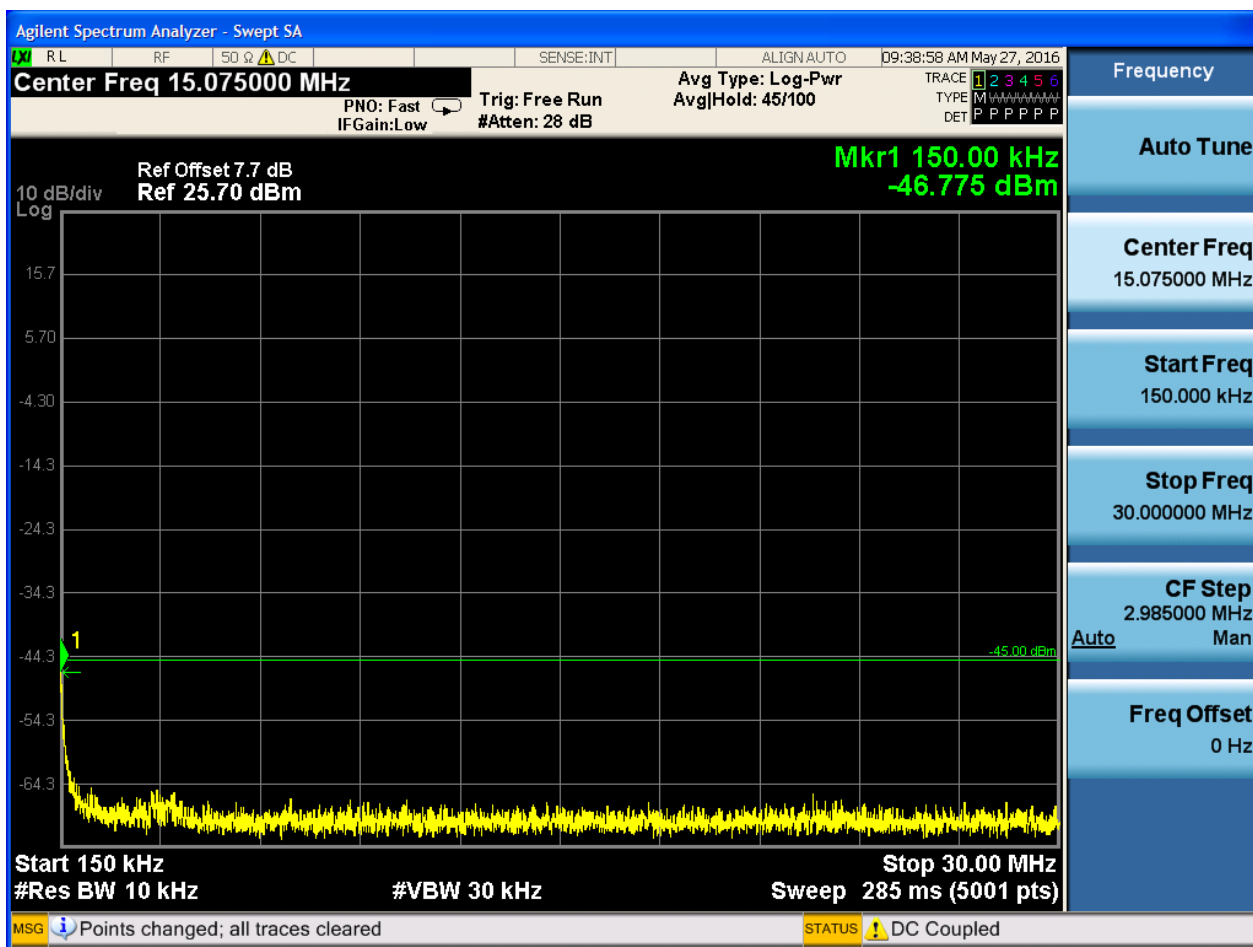


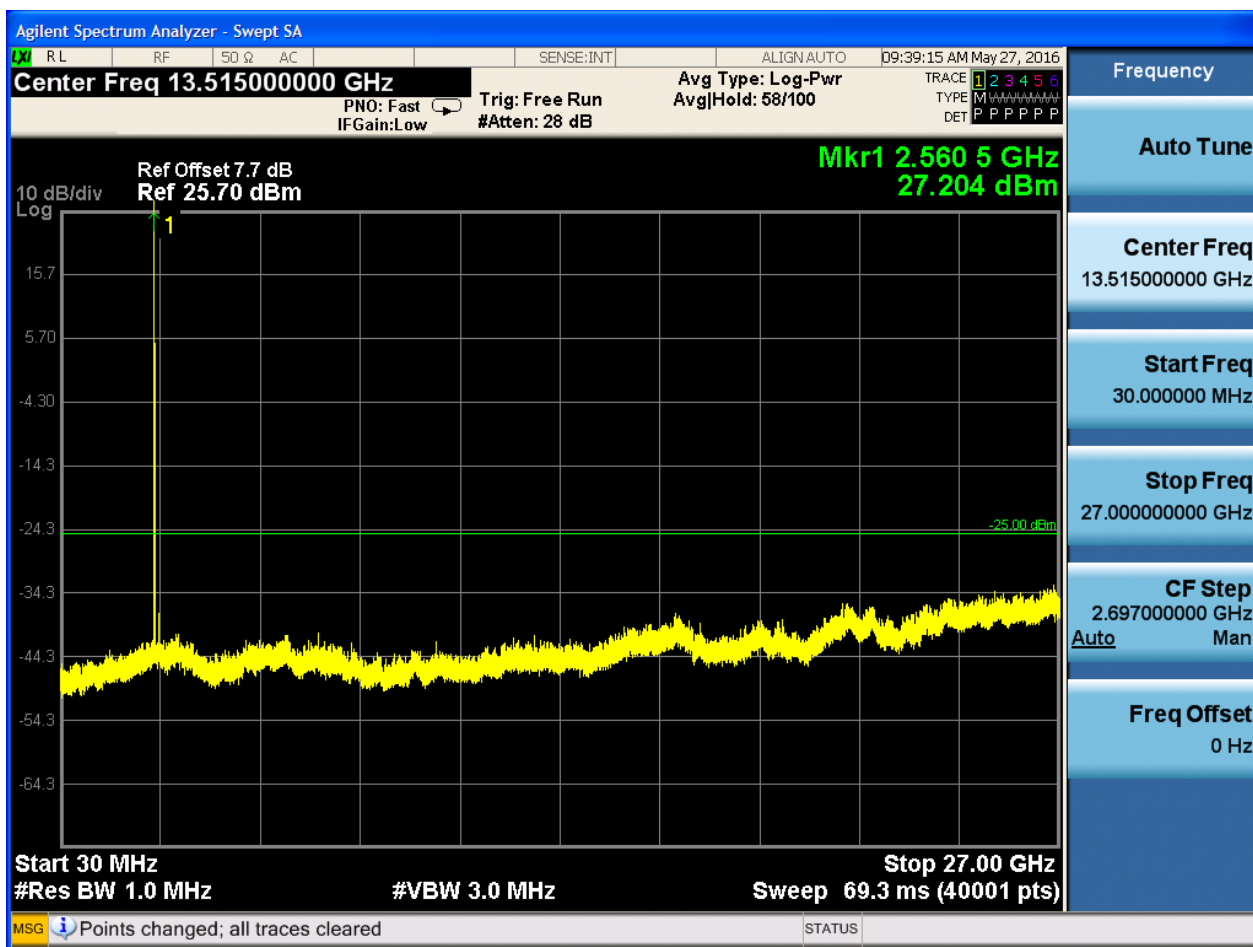


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



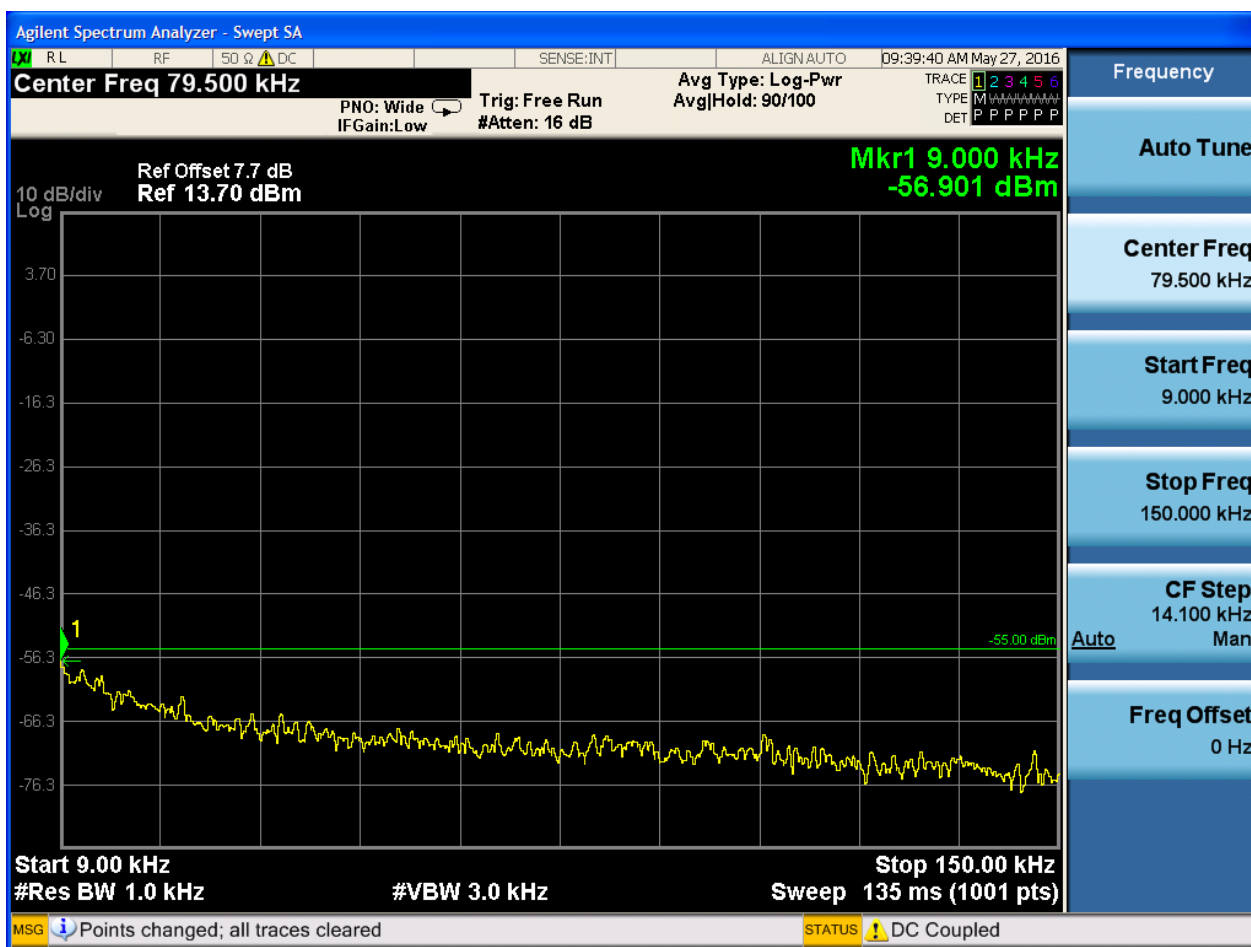


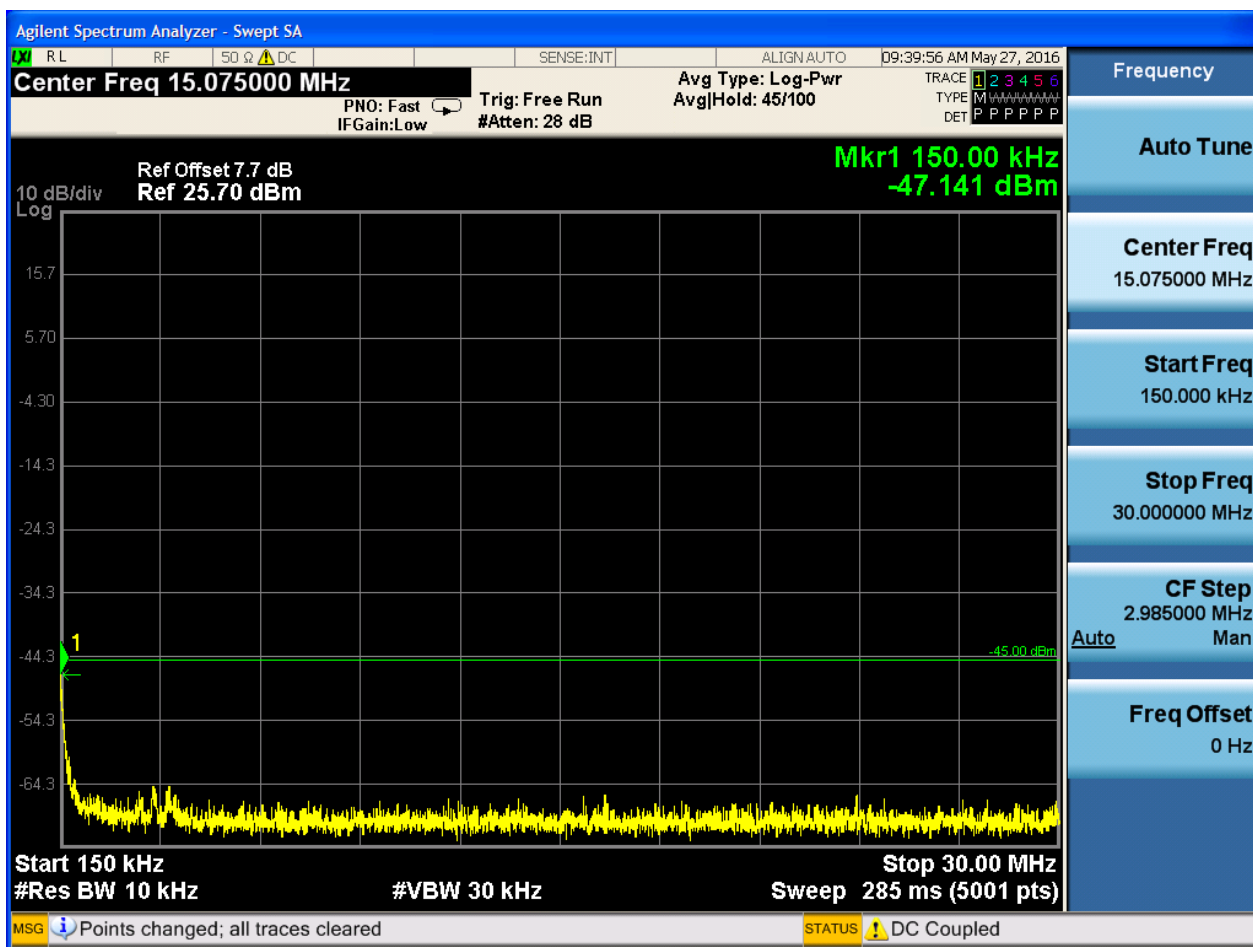


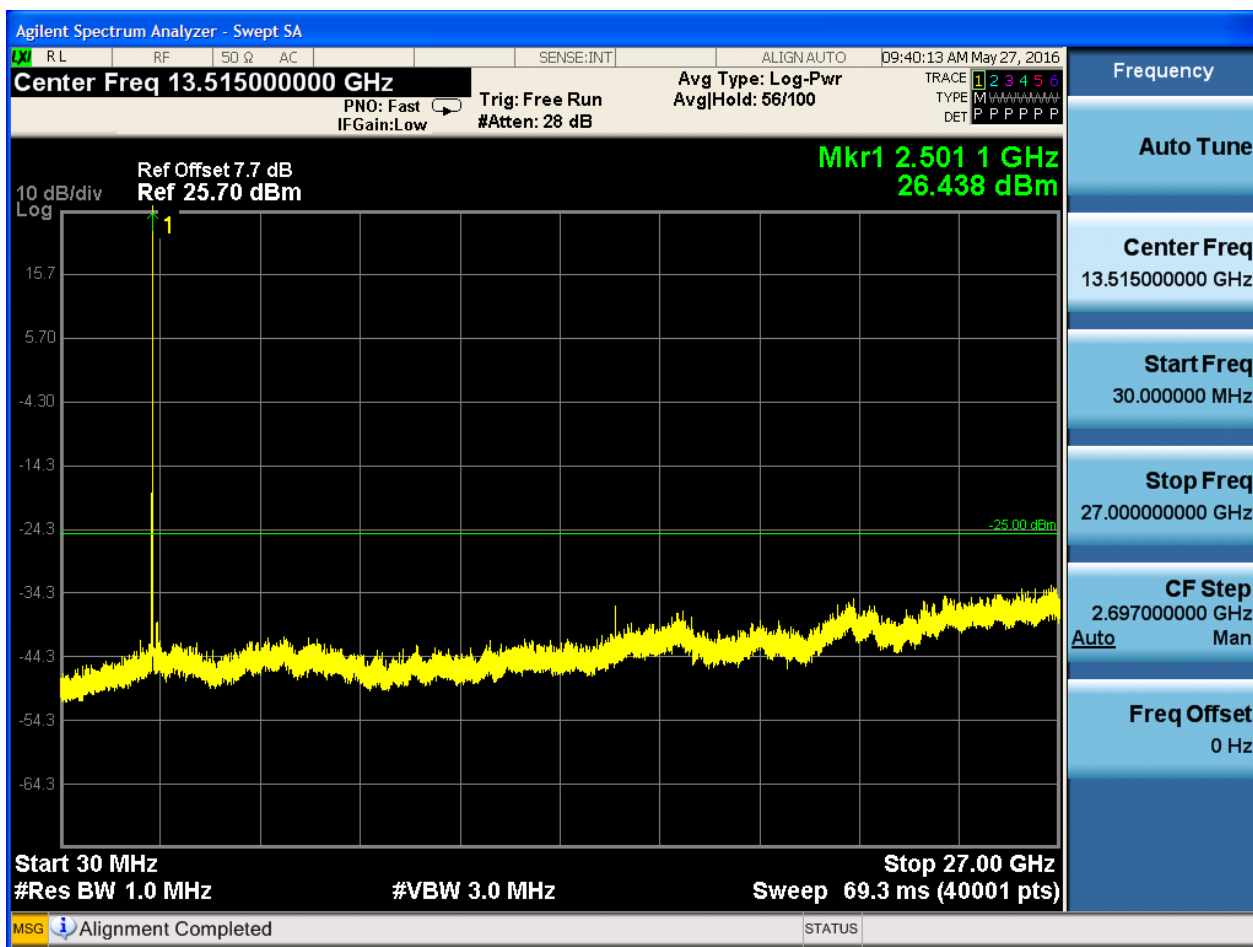
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

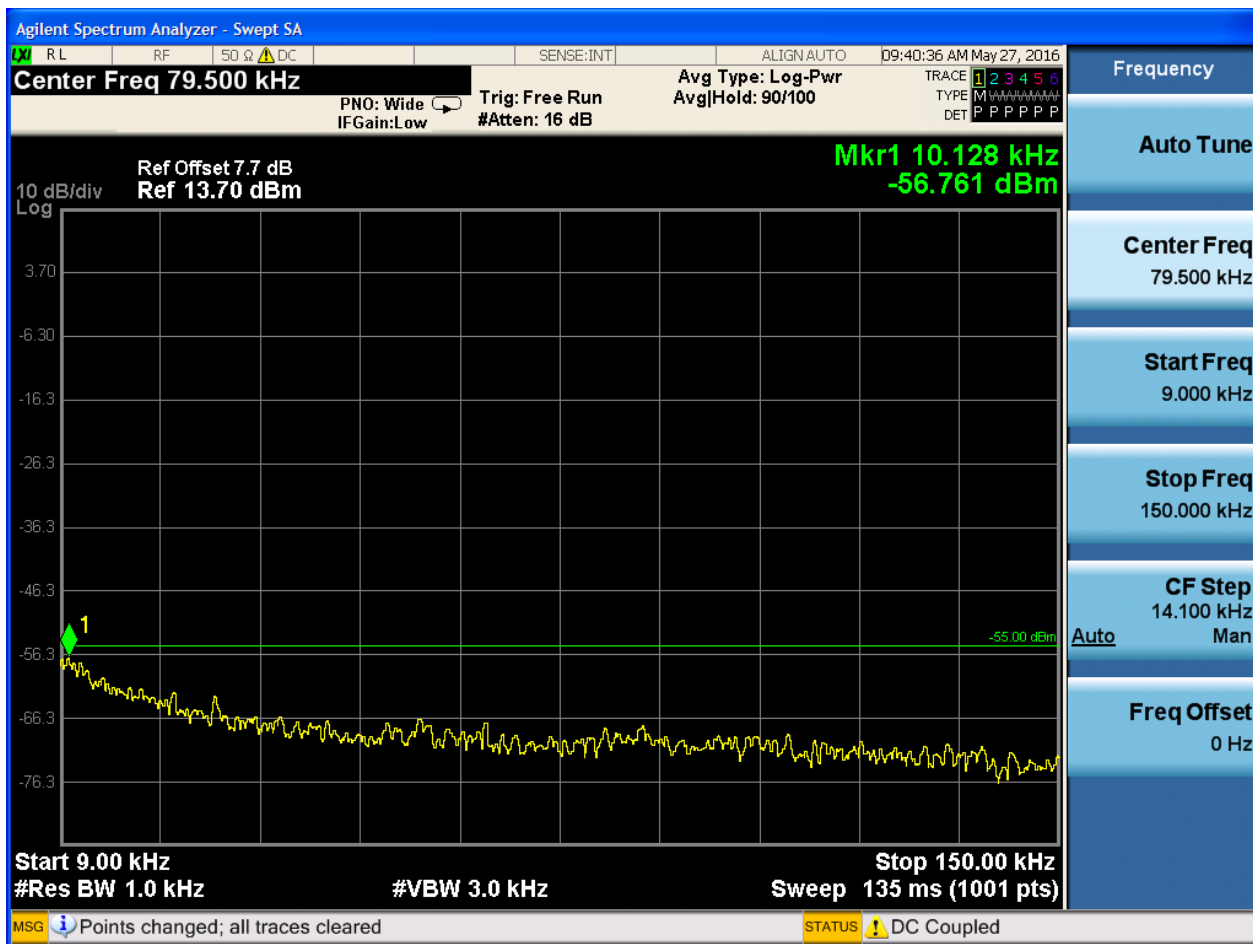




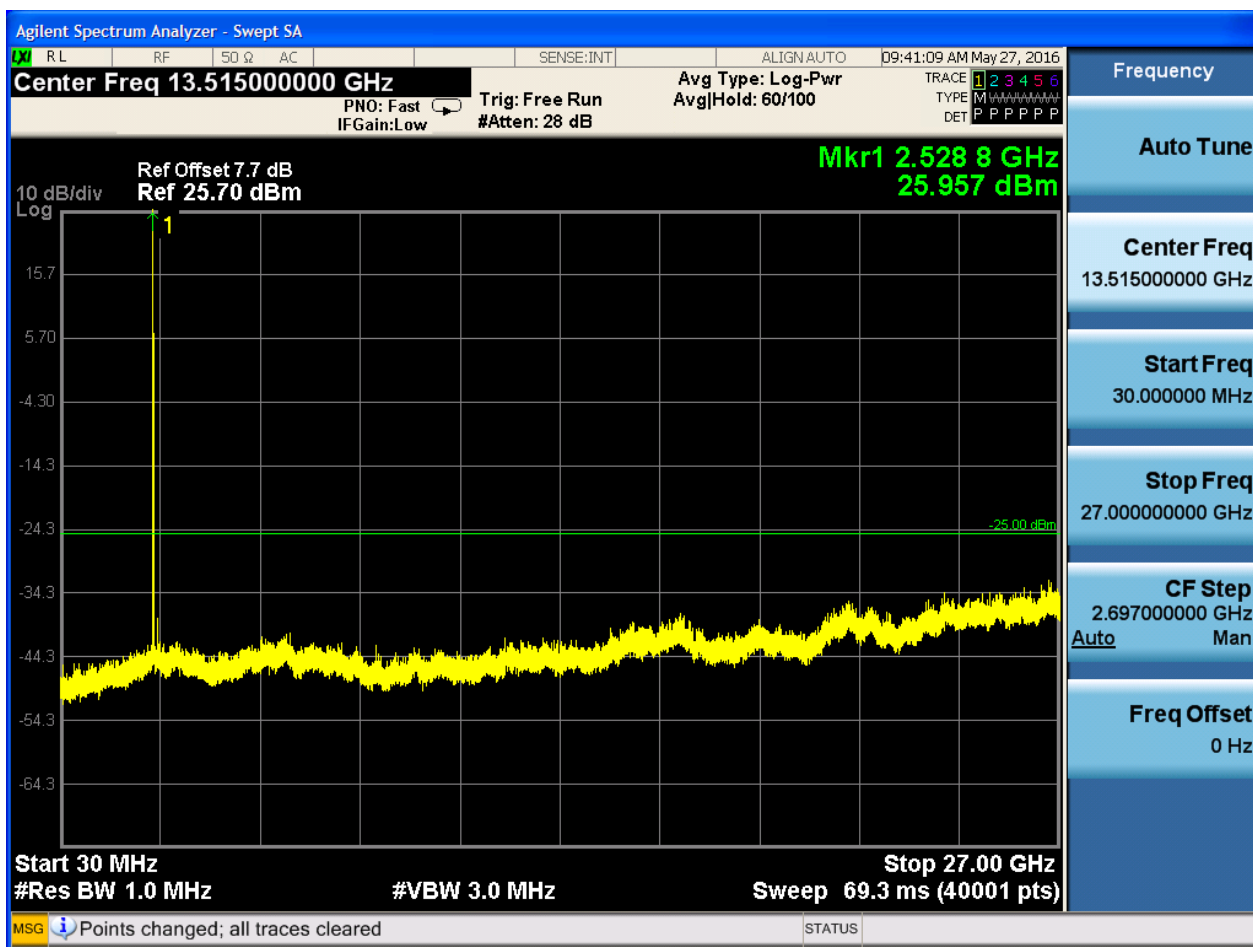


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

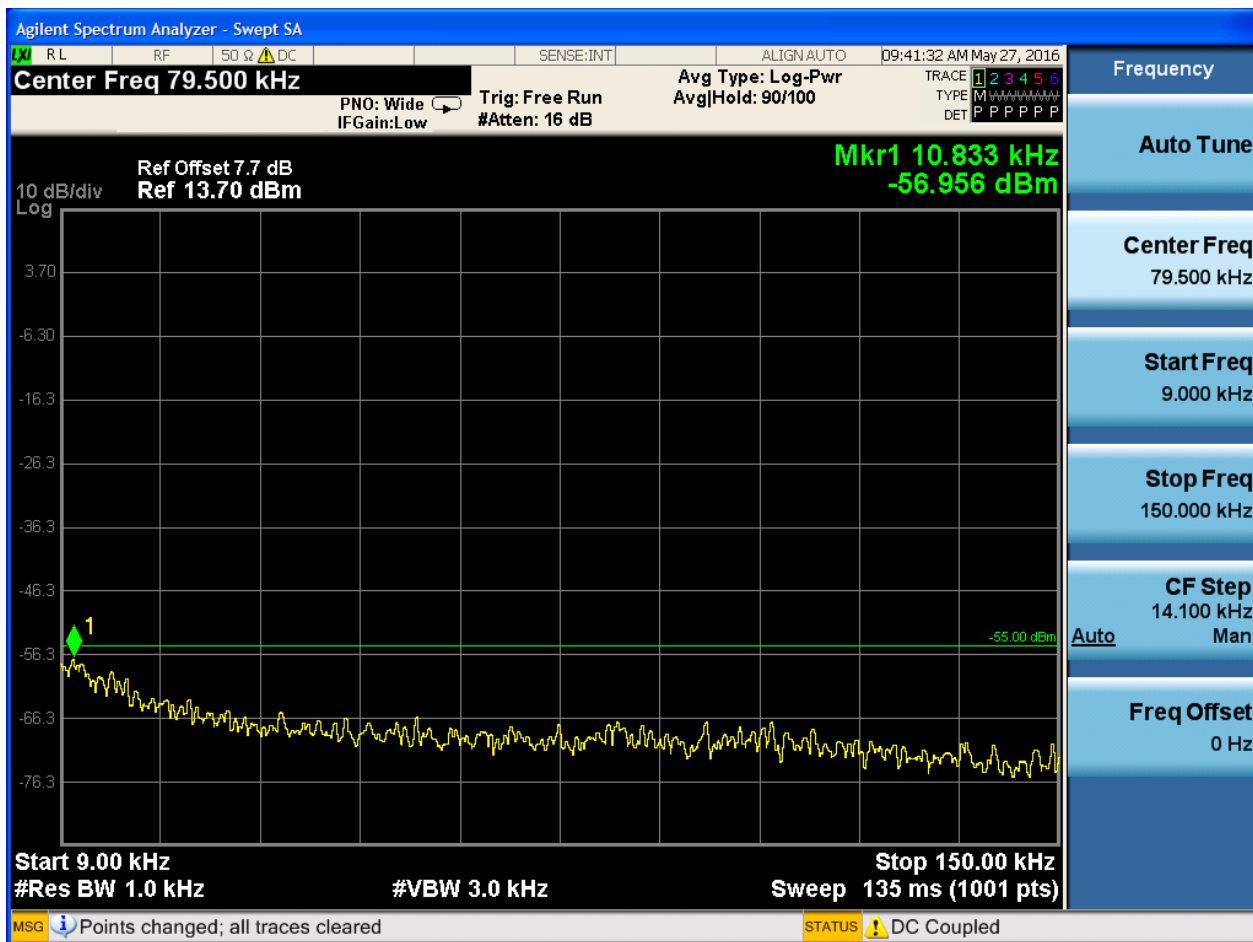


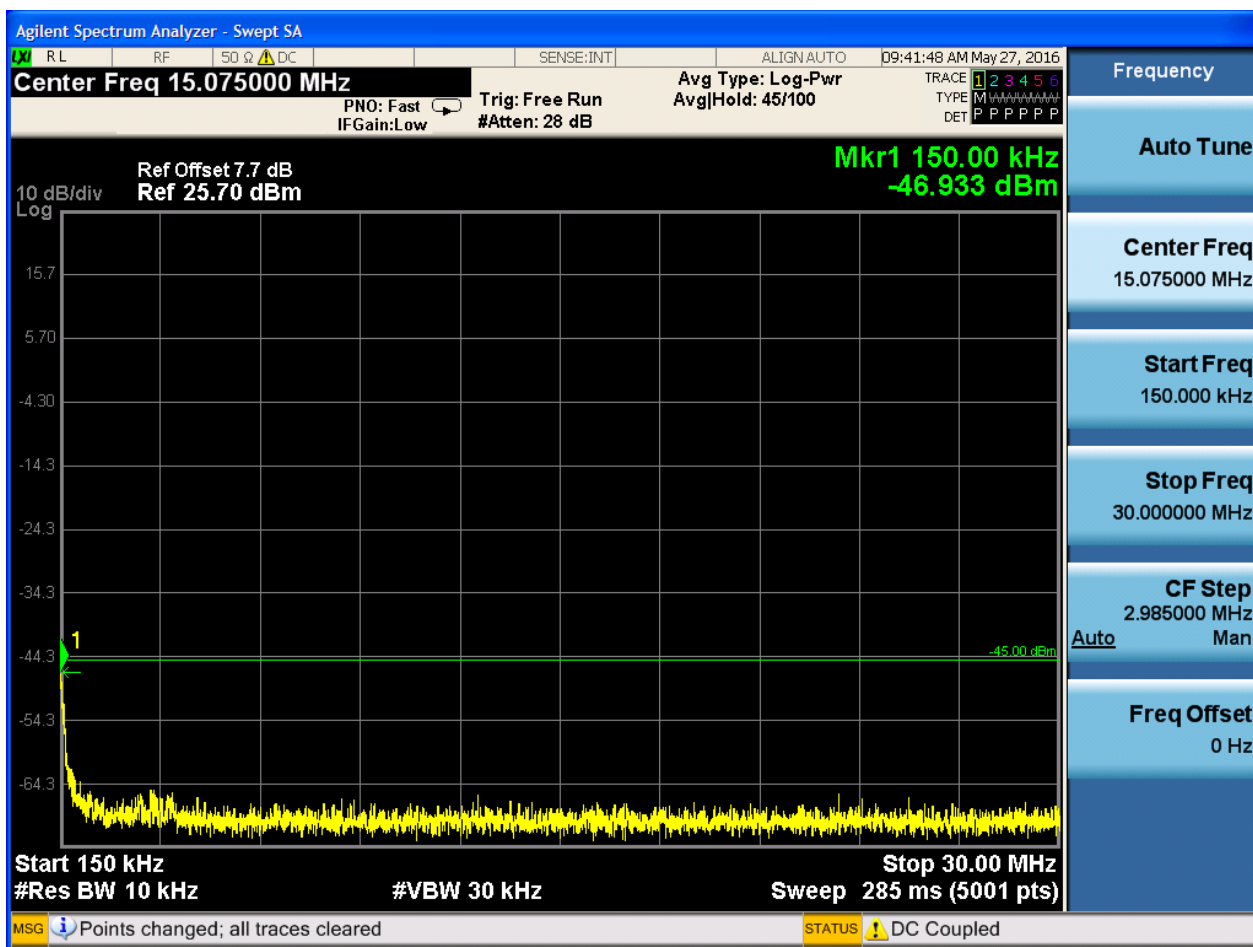


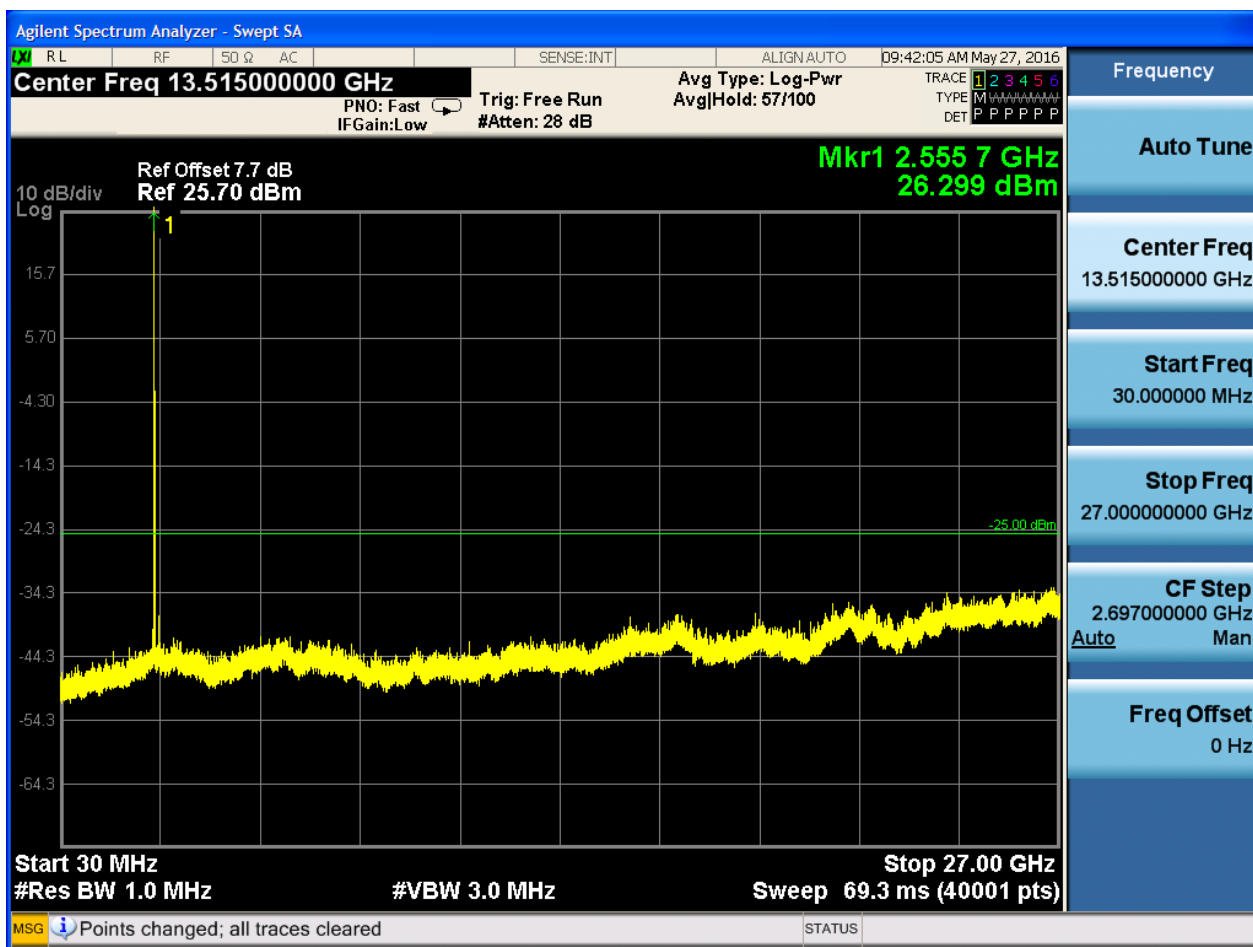


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



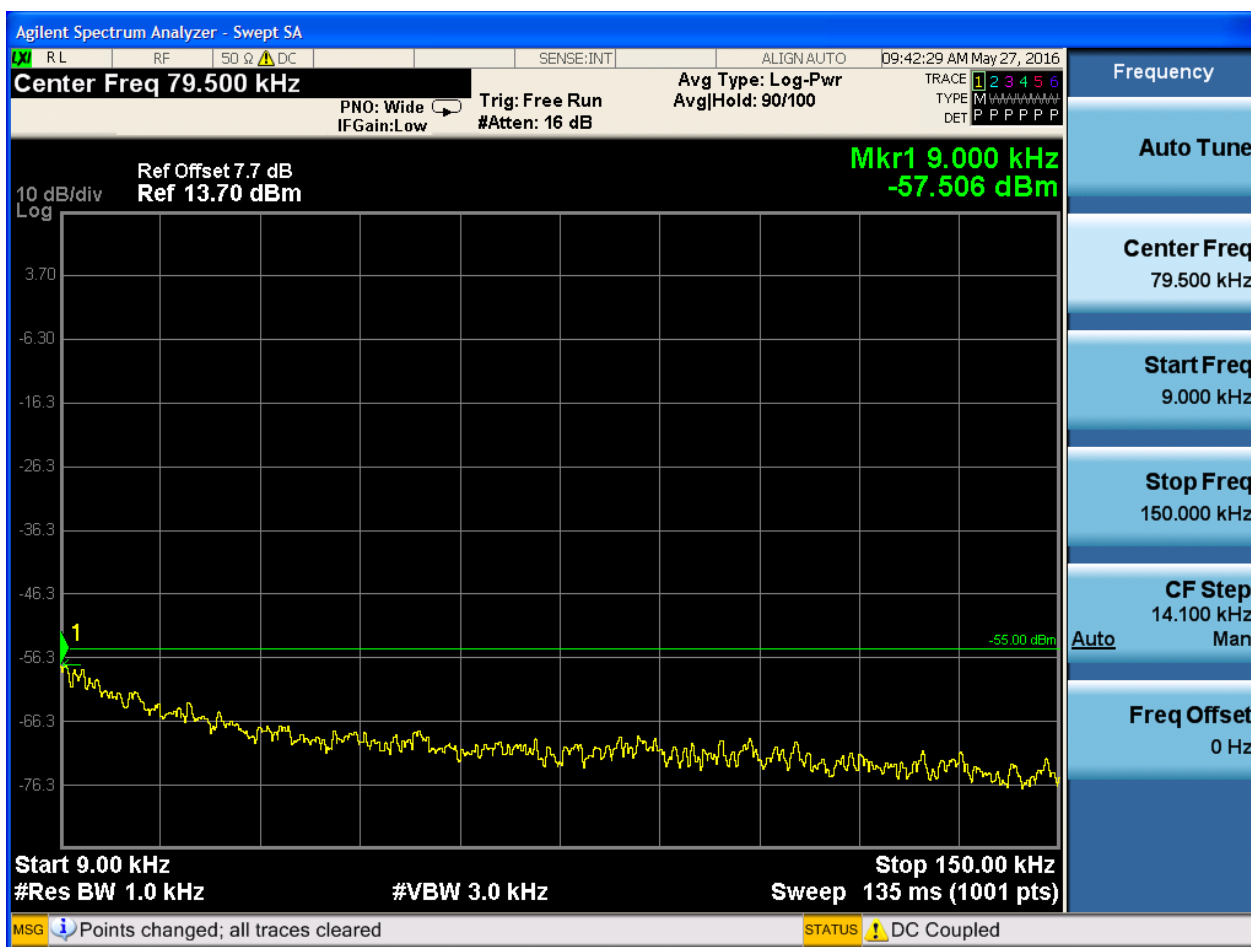


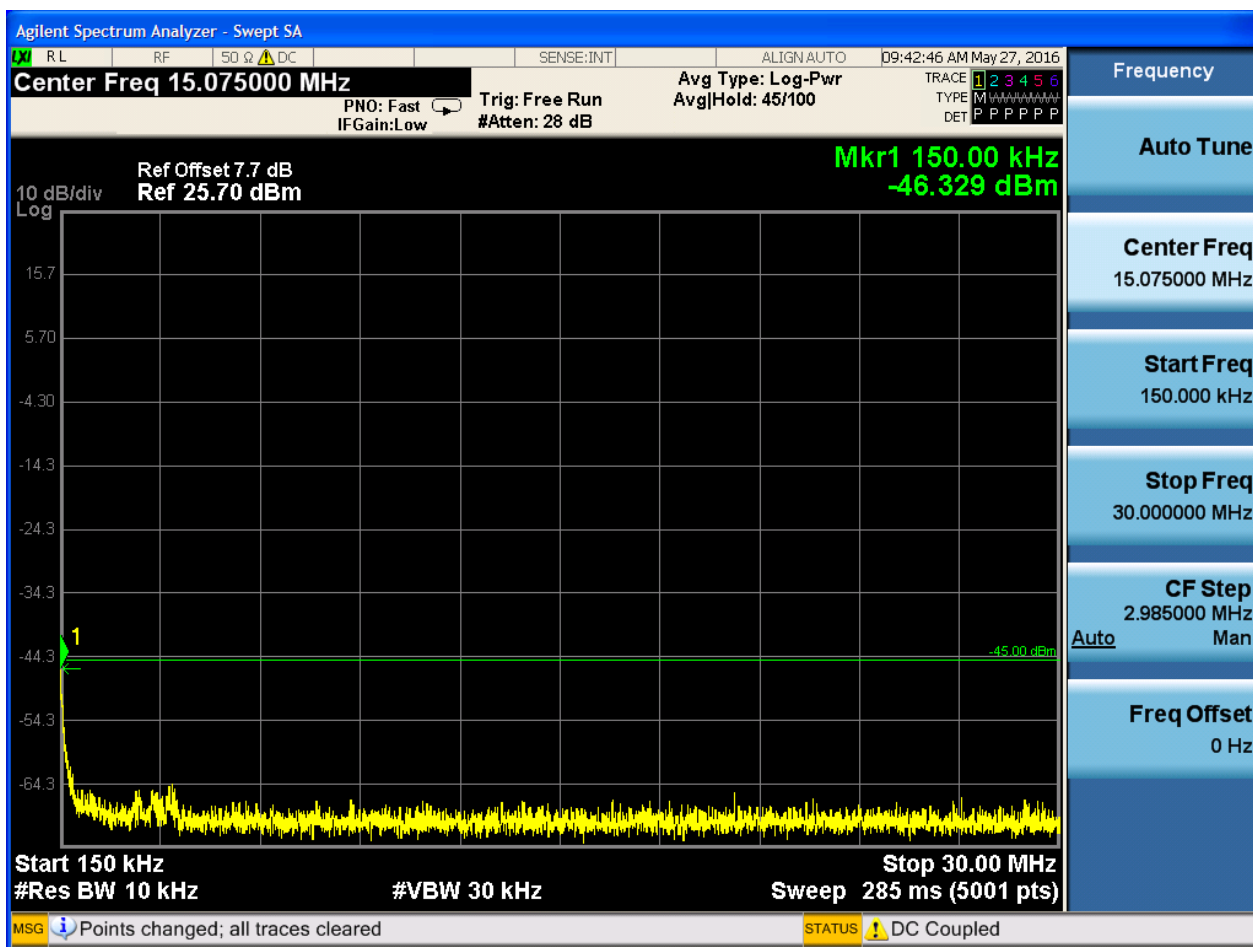


6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

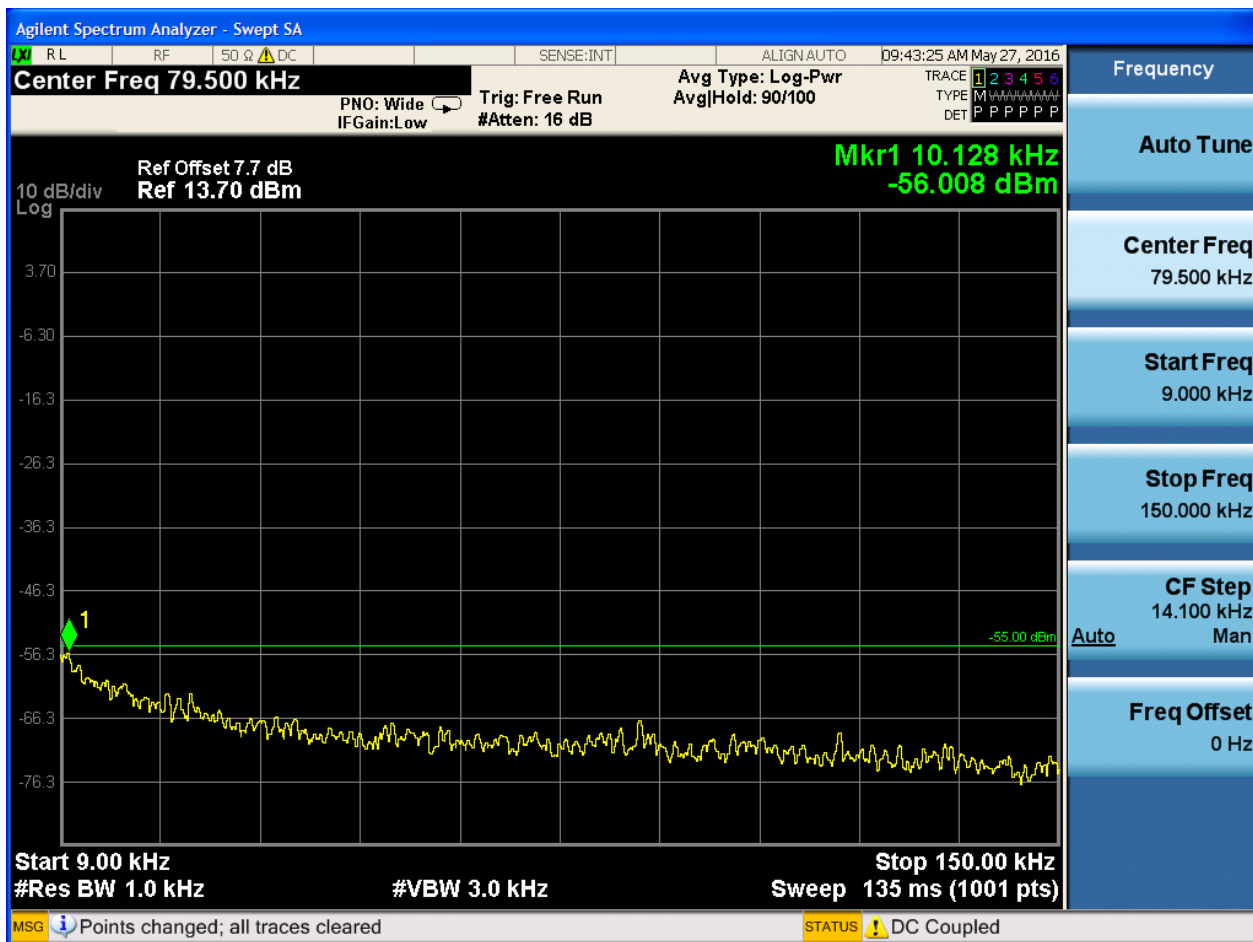


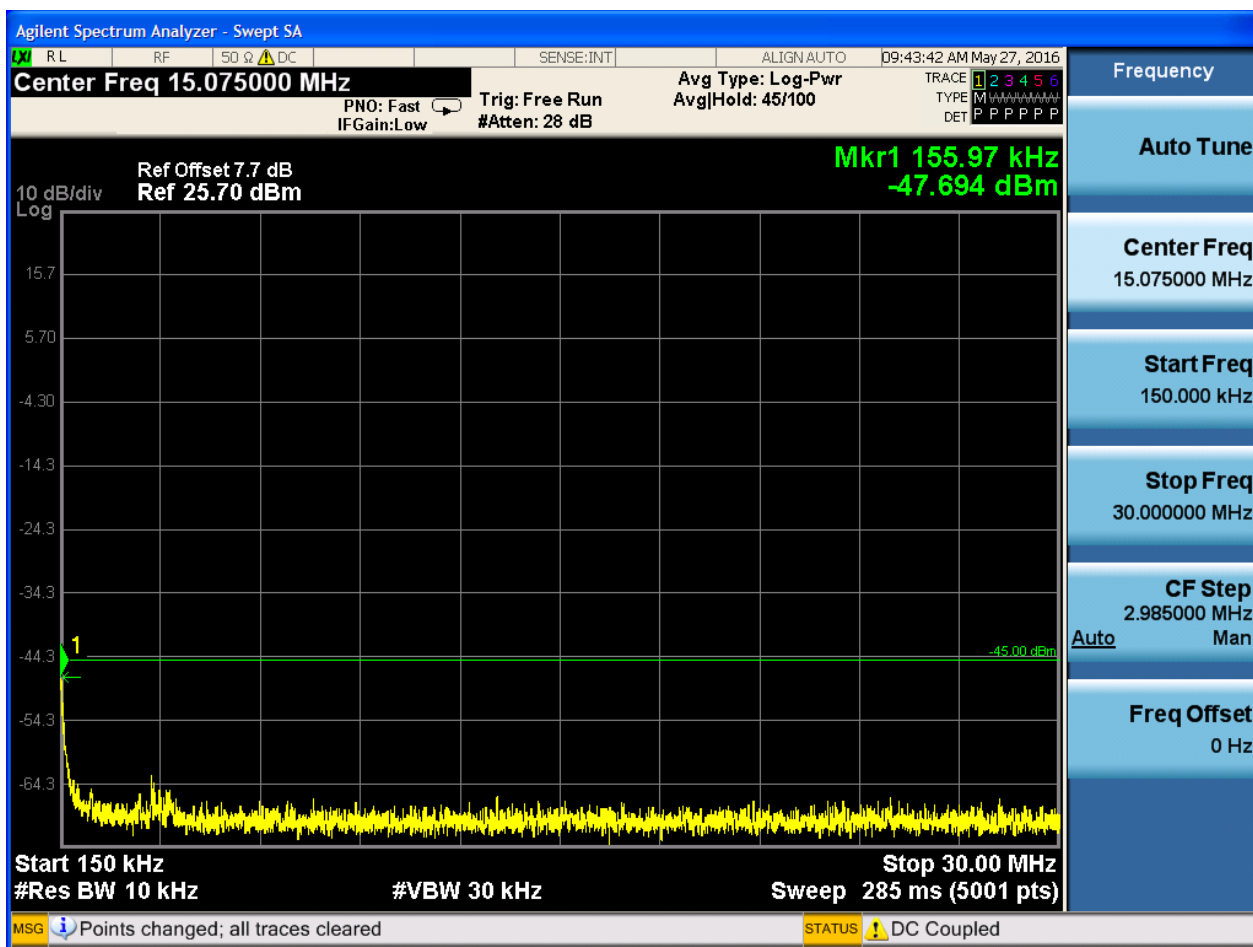




6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

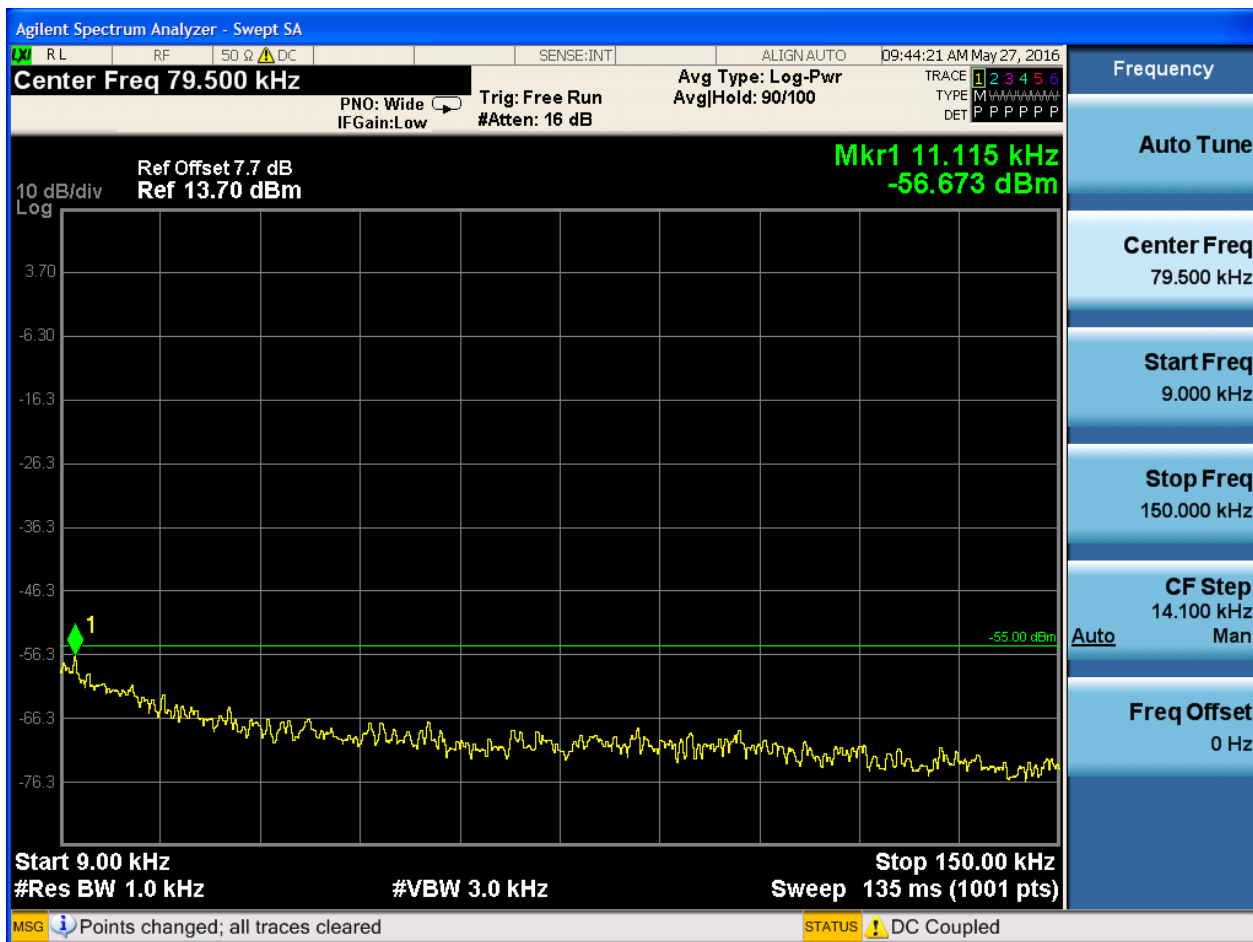




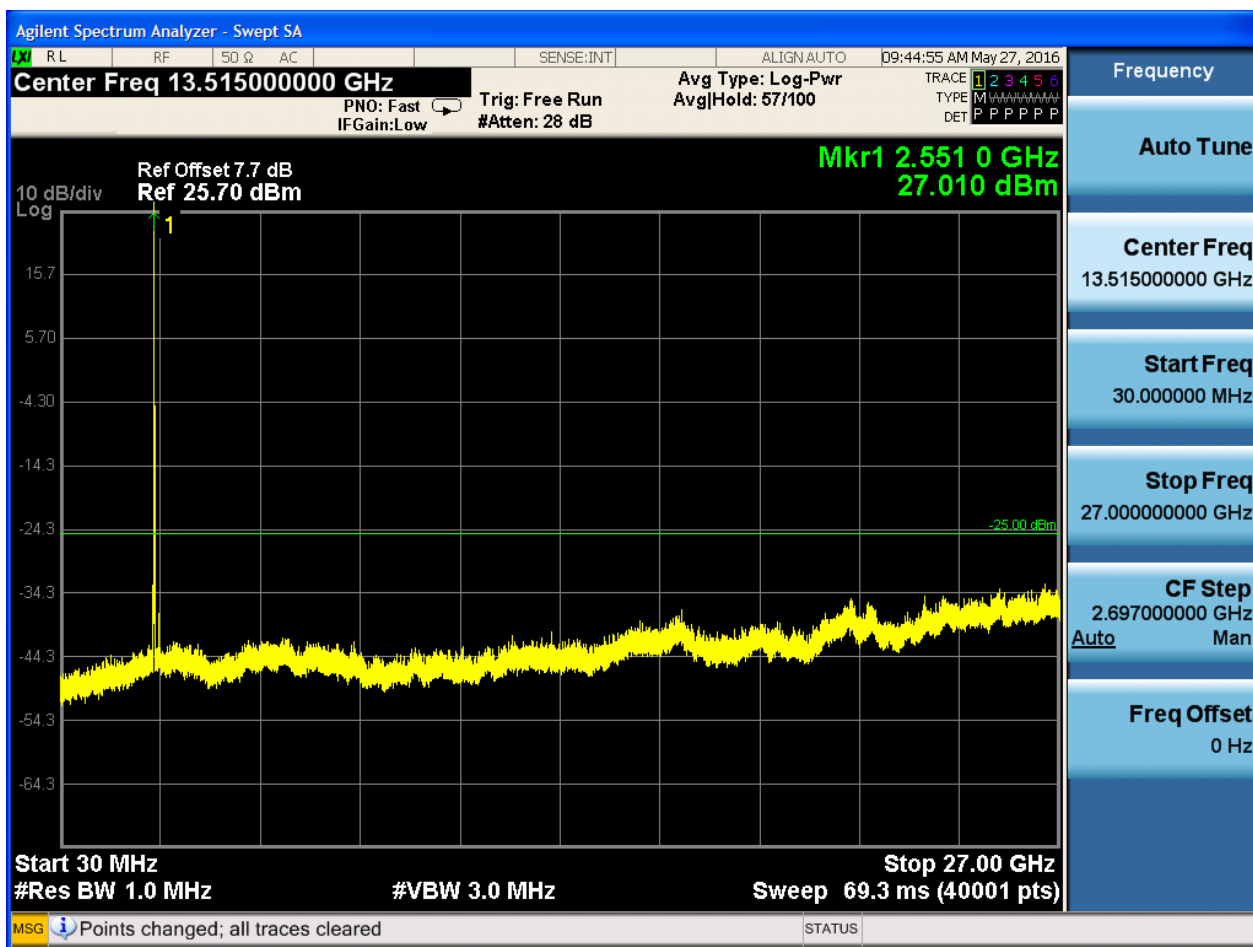


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





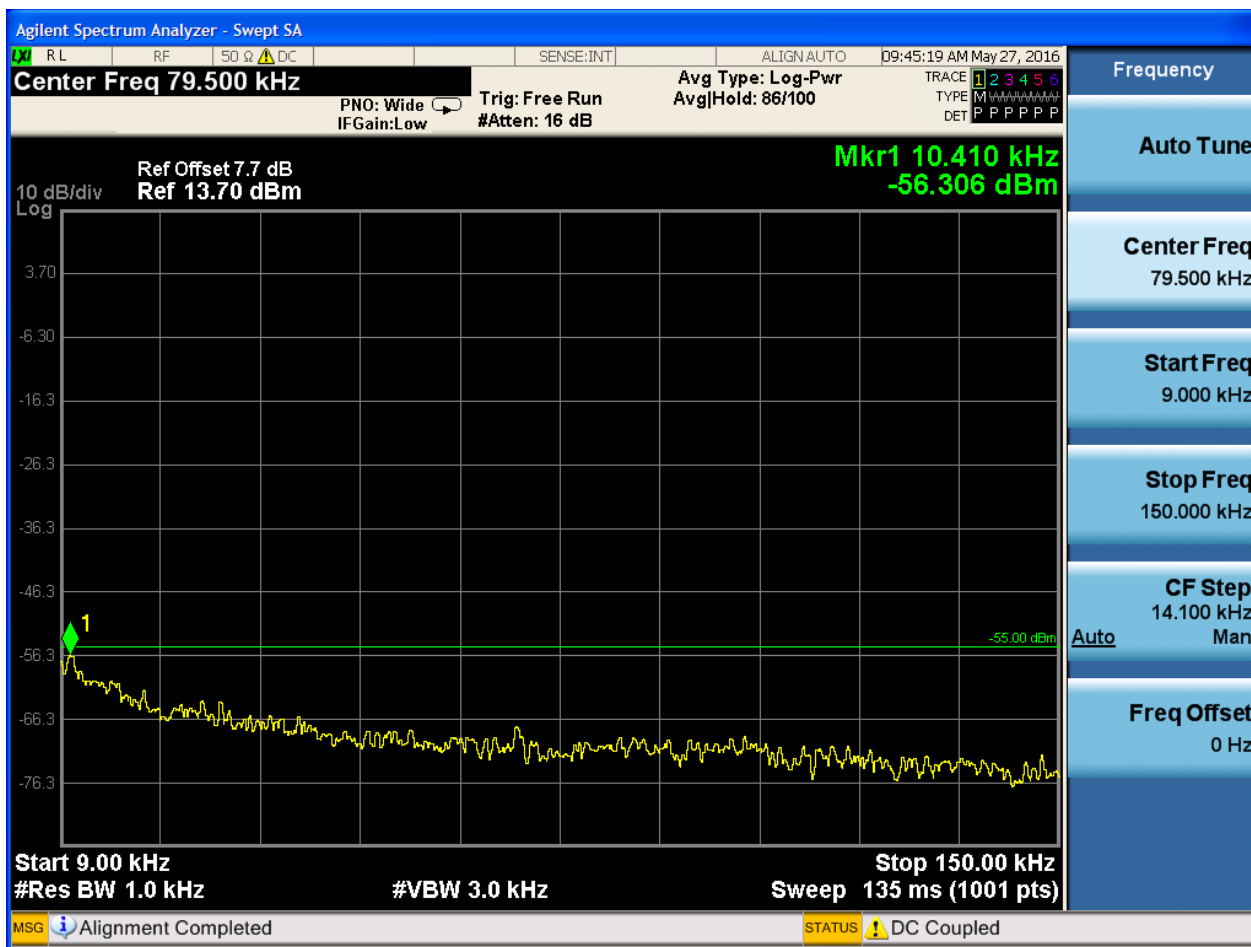


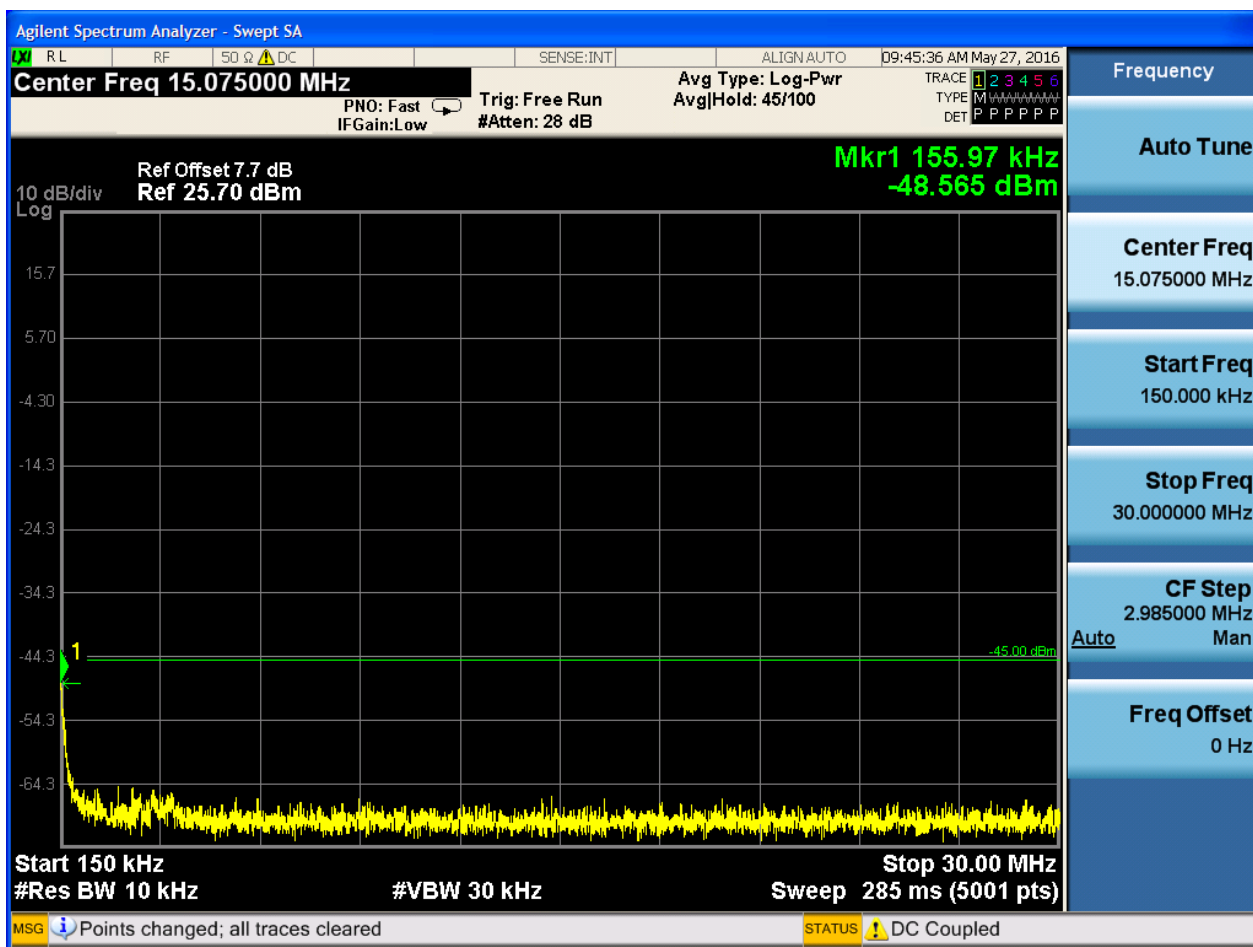
6.1.1.2 Test Mode = LTE/TM2

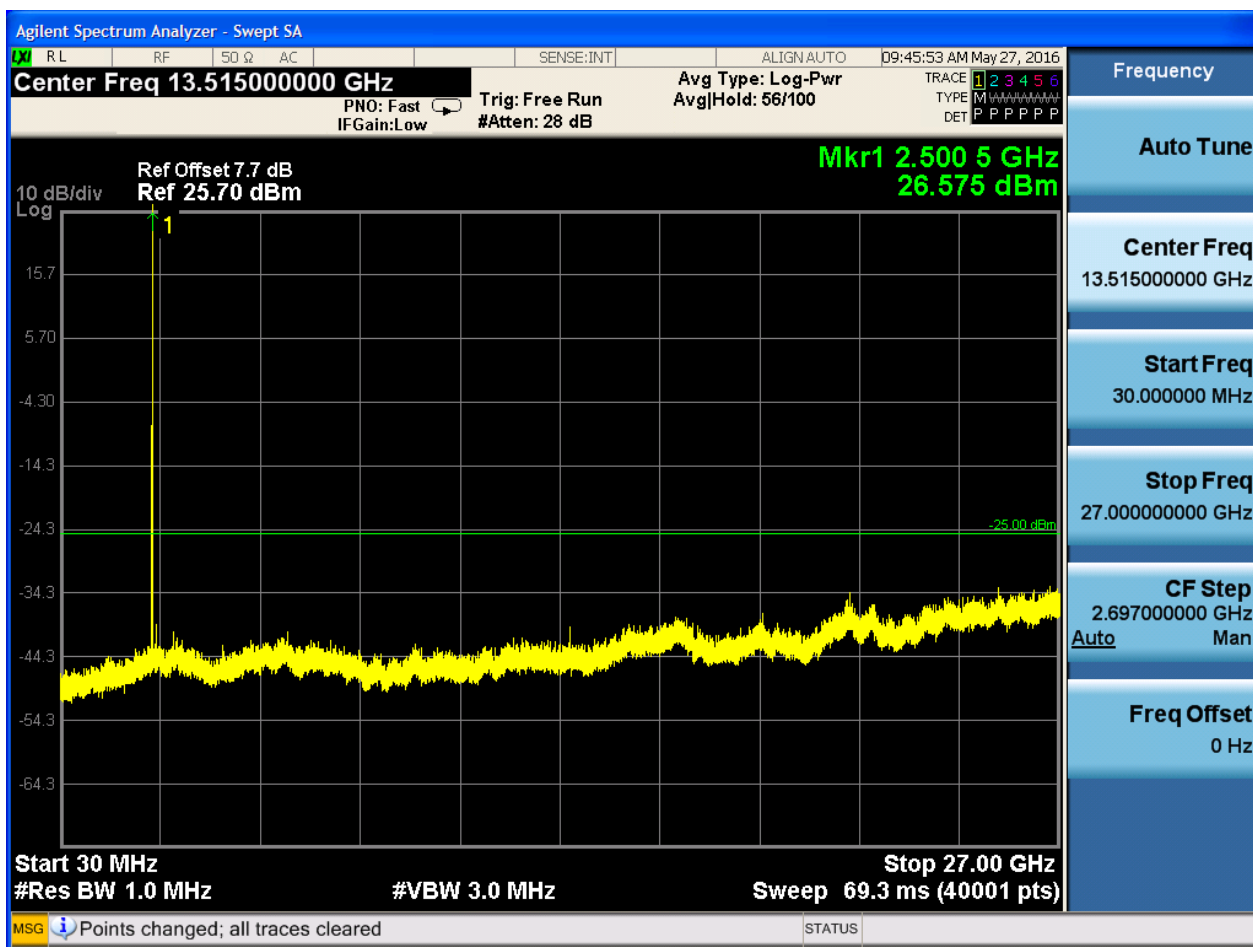
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



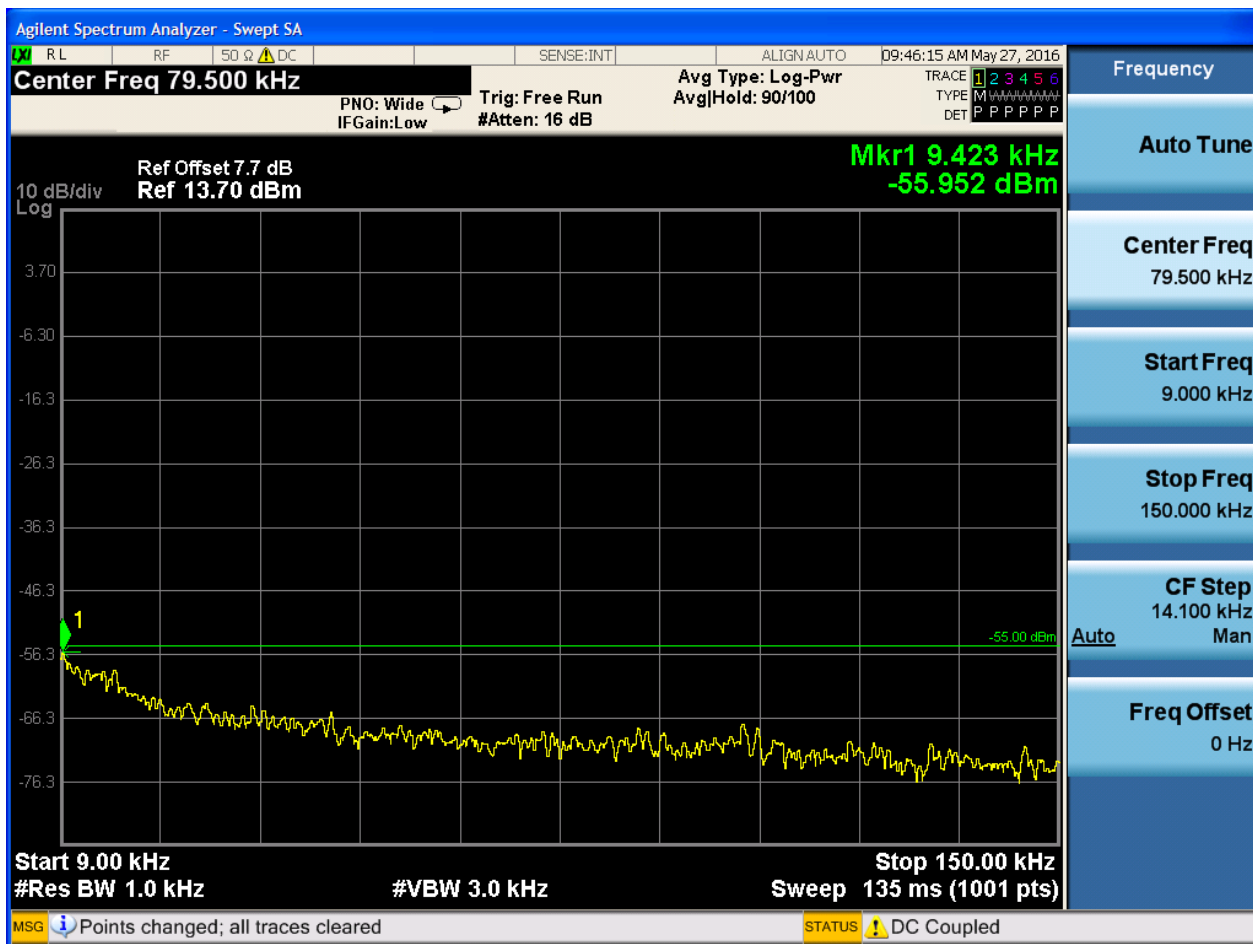




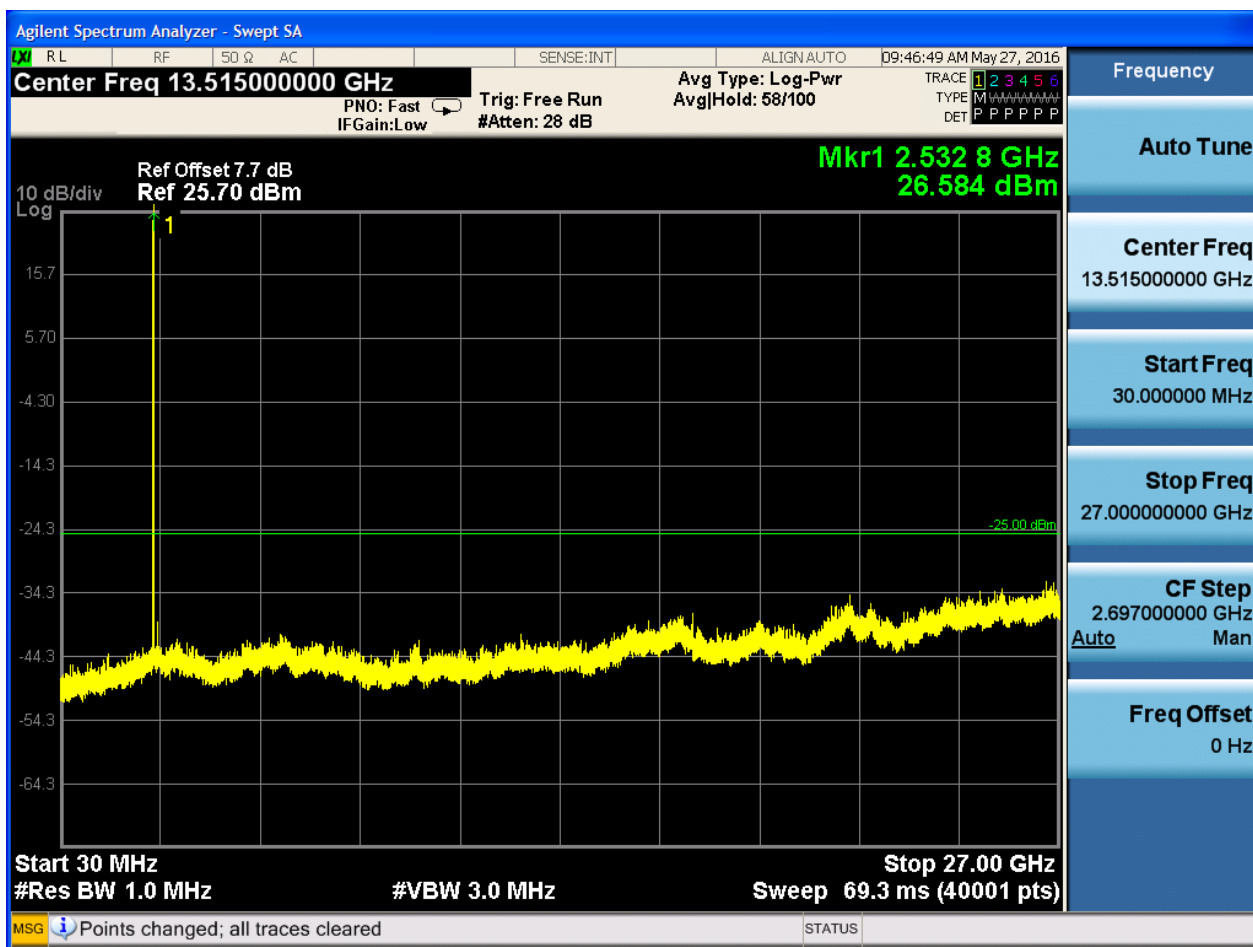


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

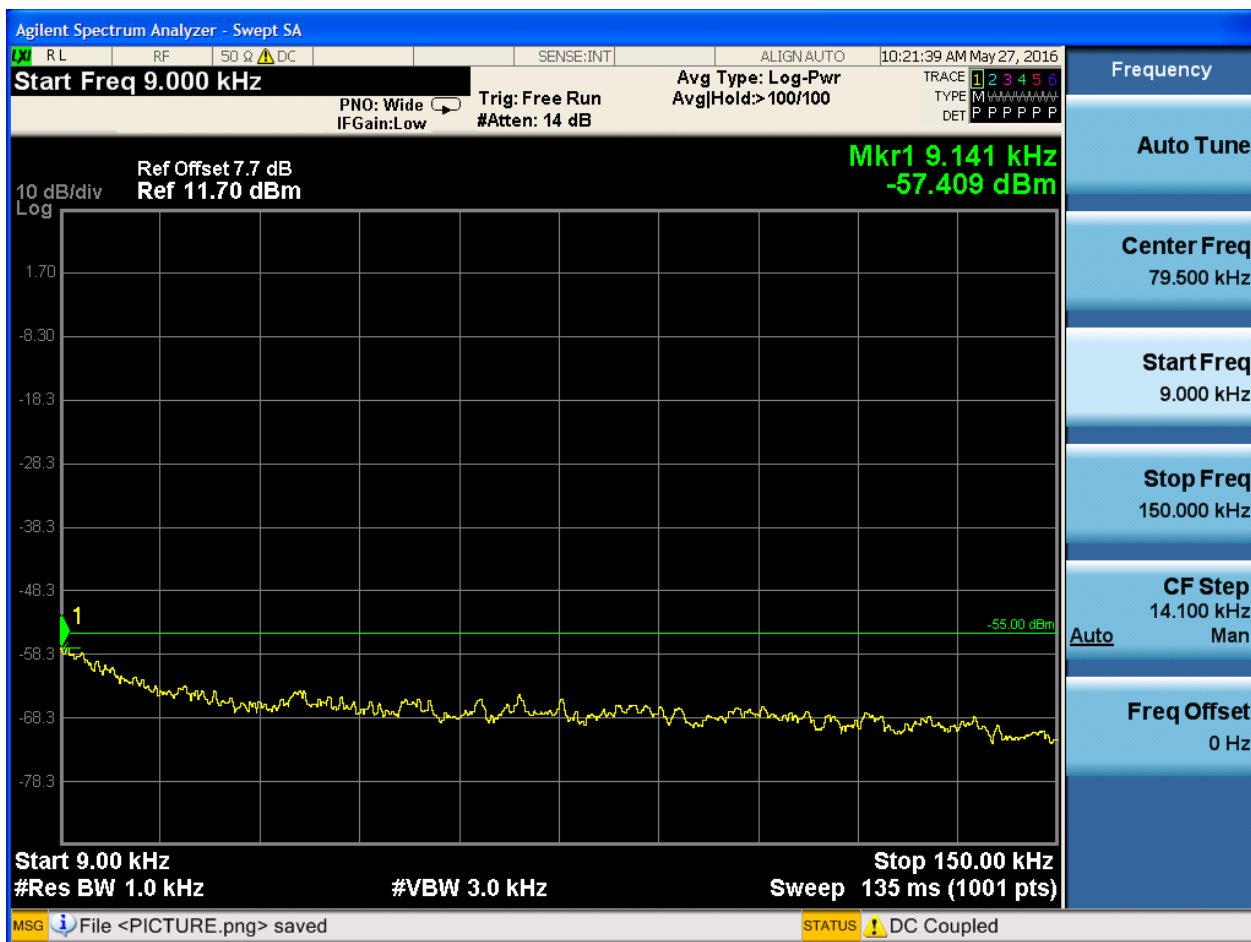


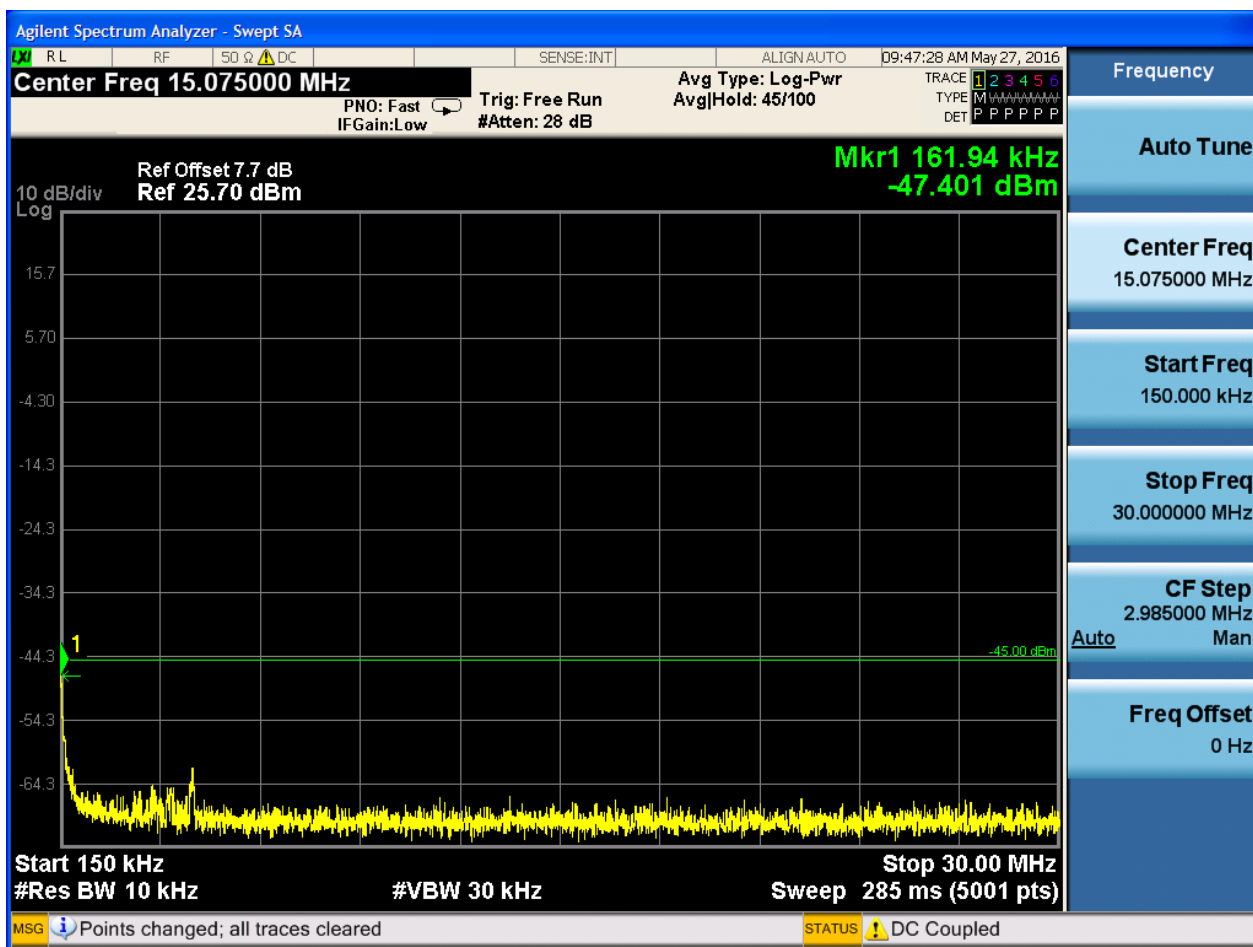


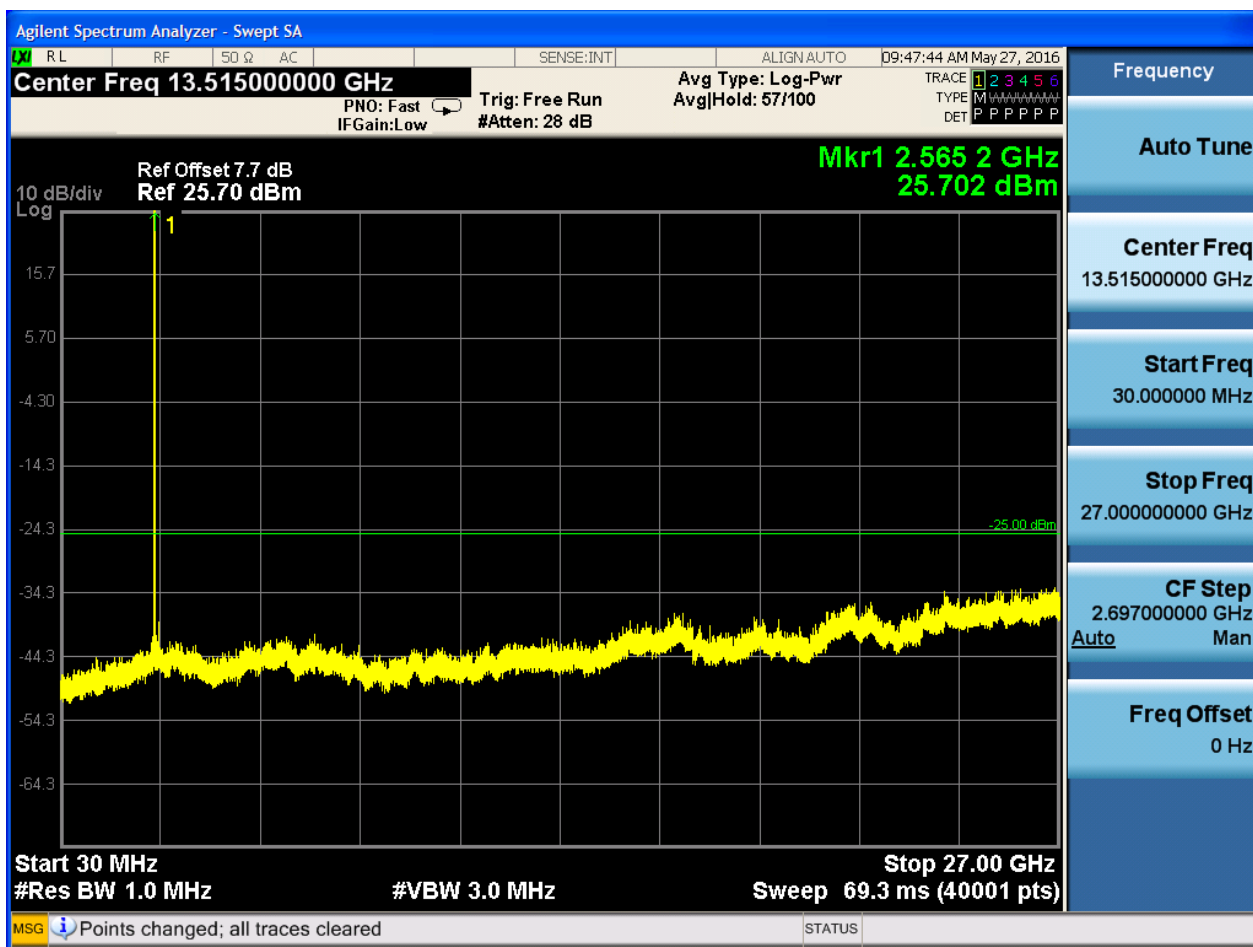


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



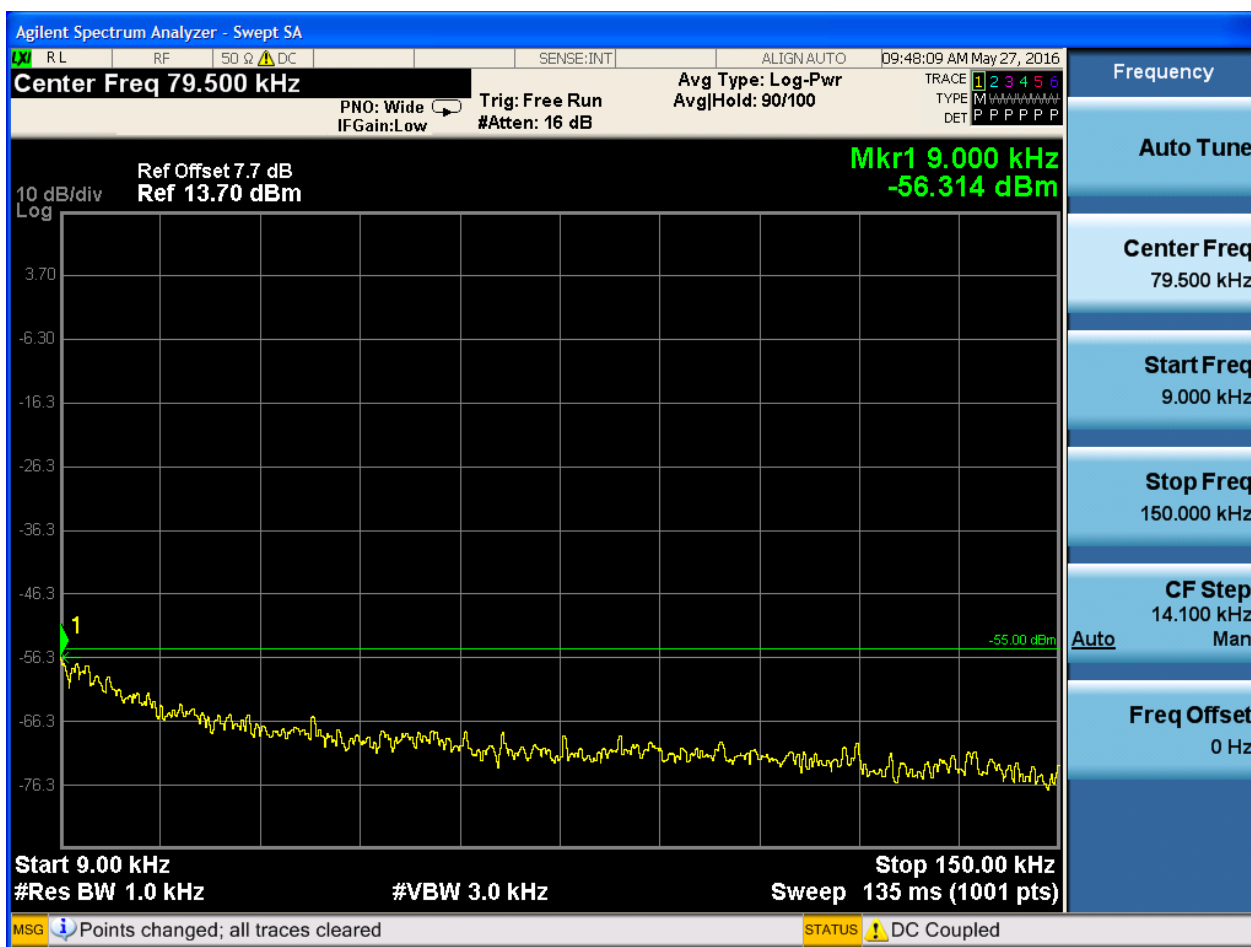


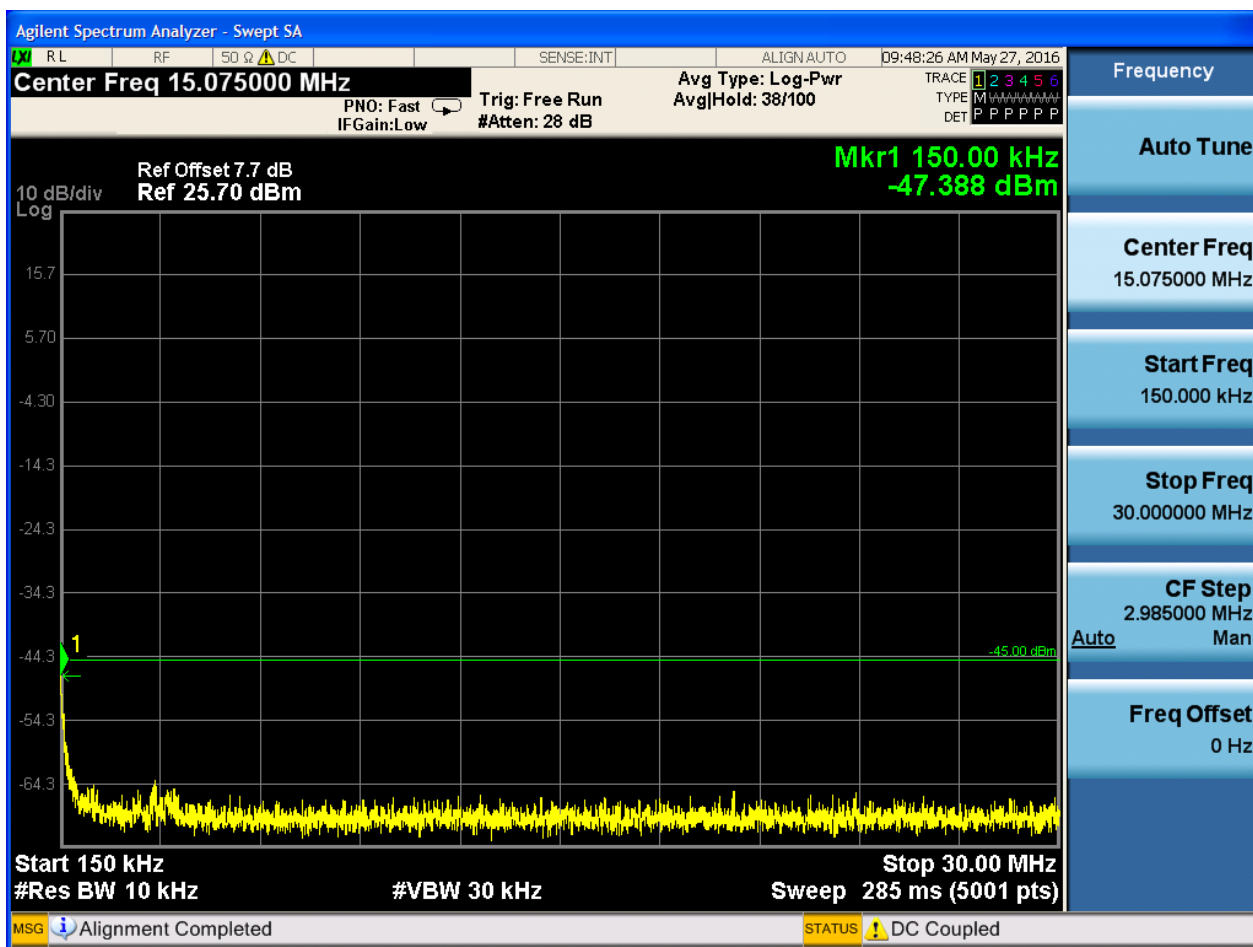


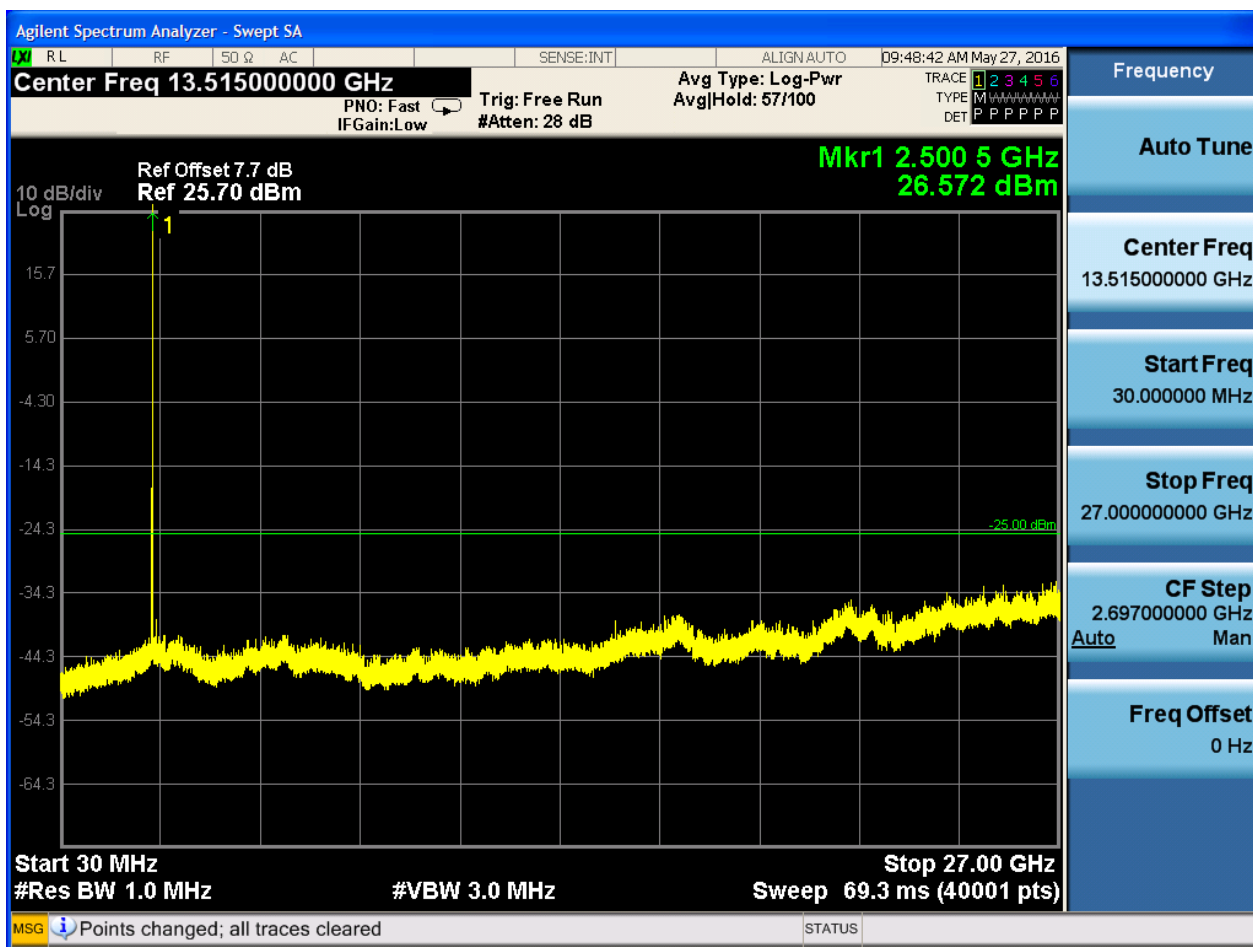
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



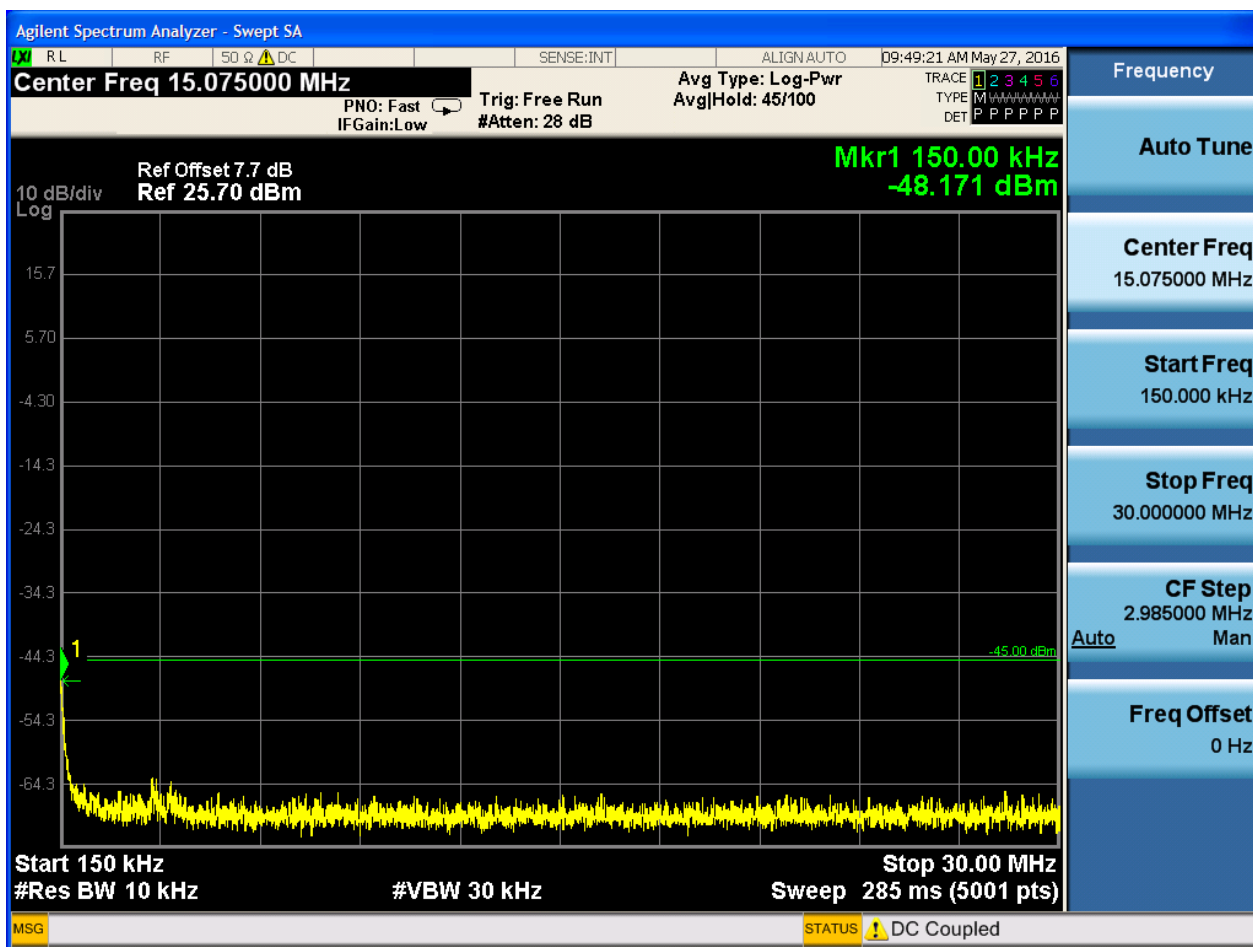


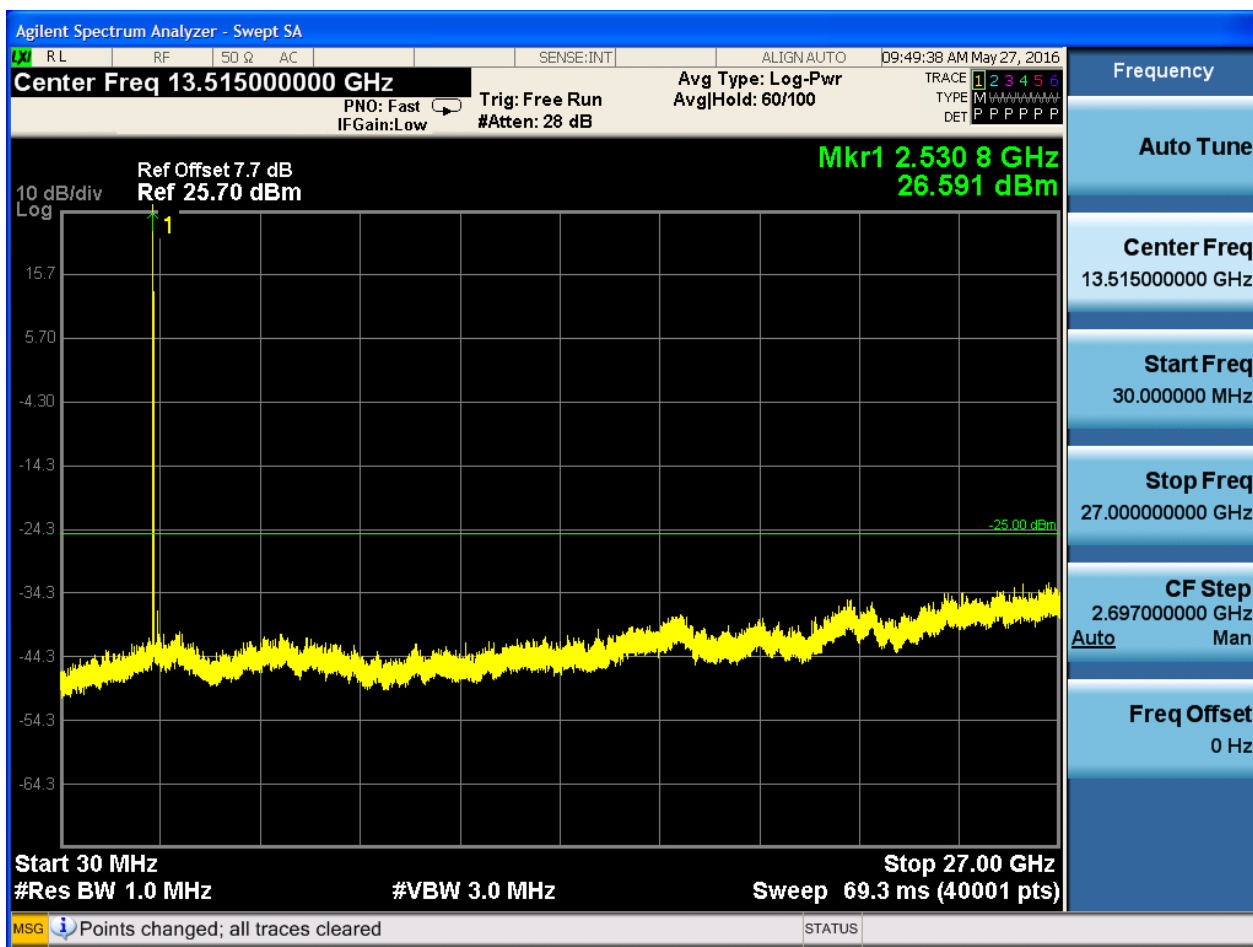


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

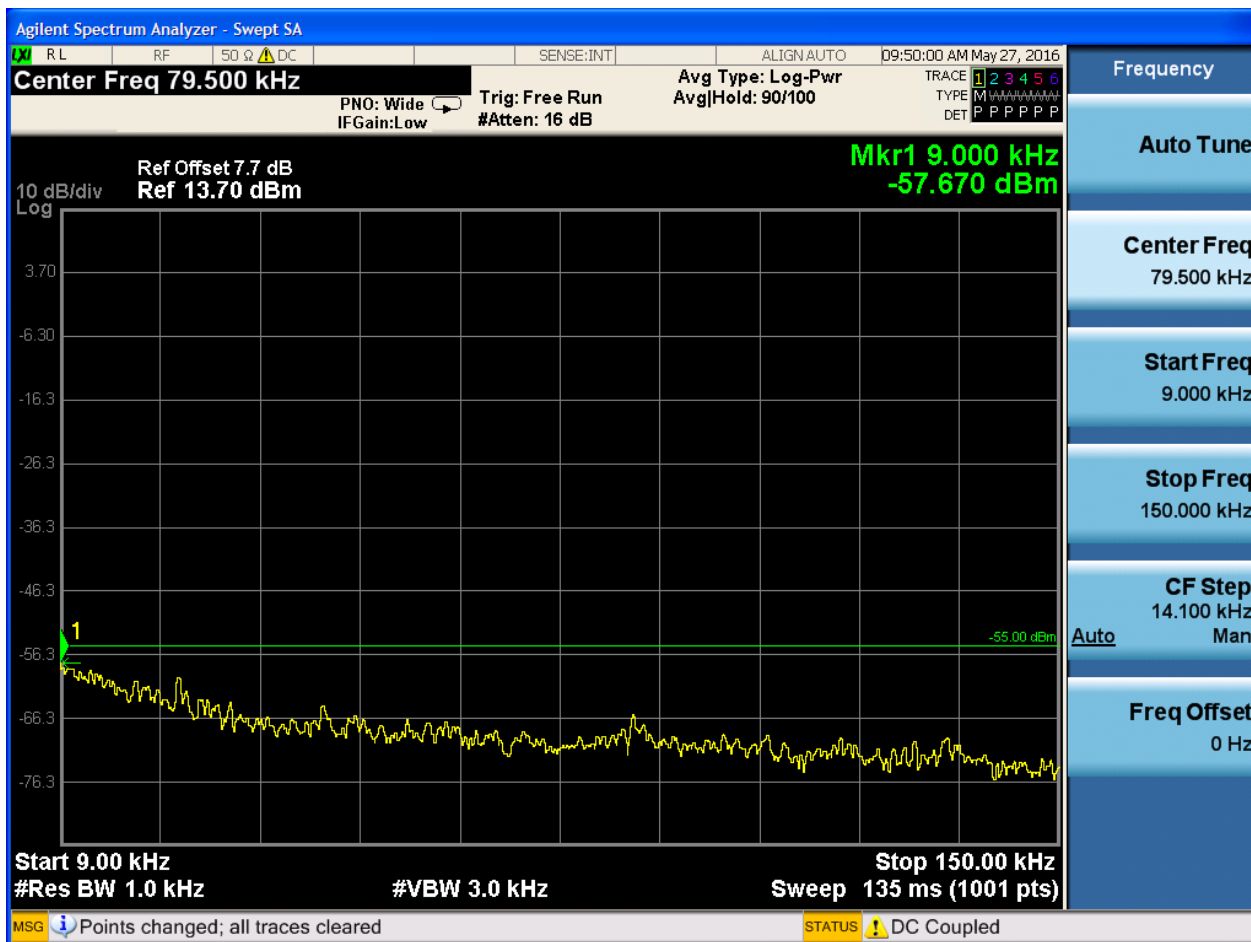


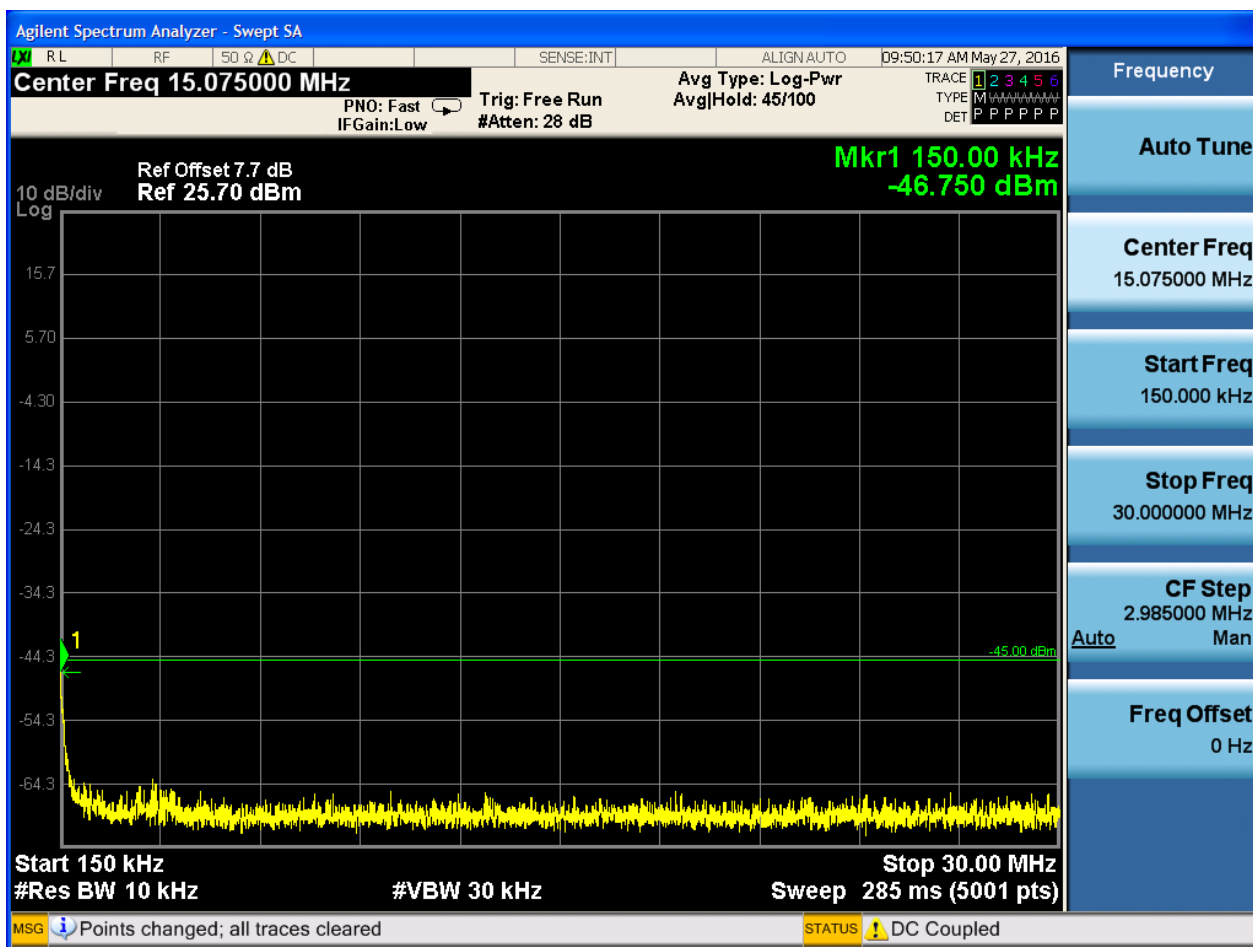


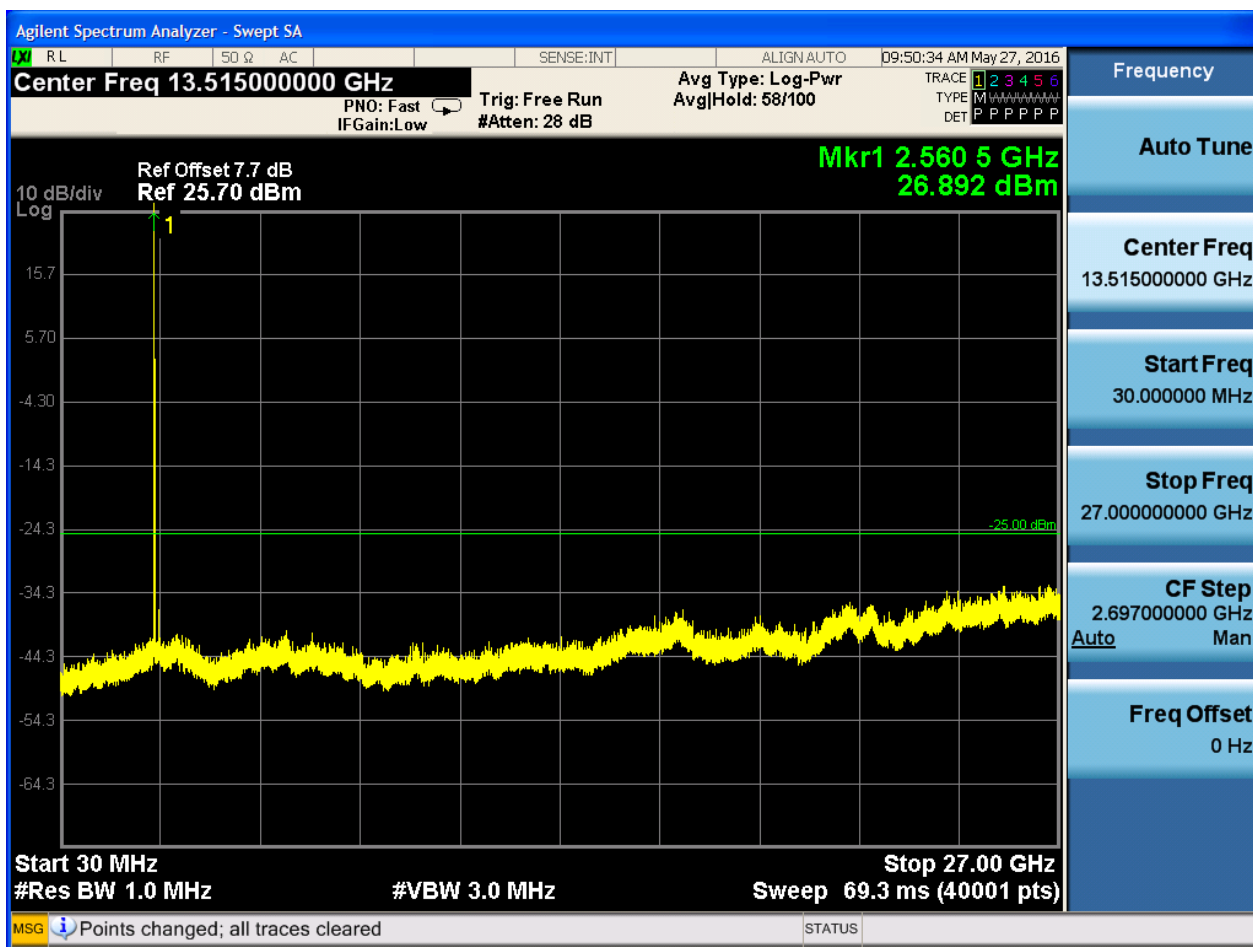


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





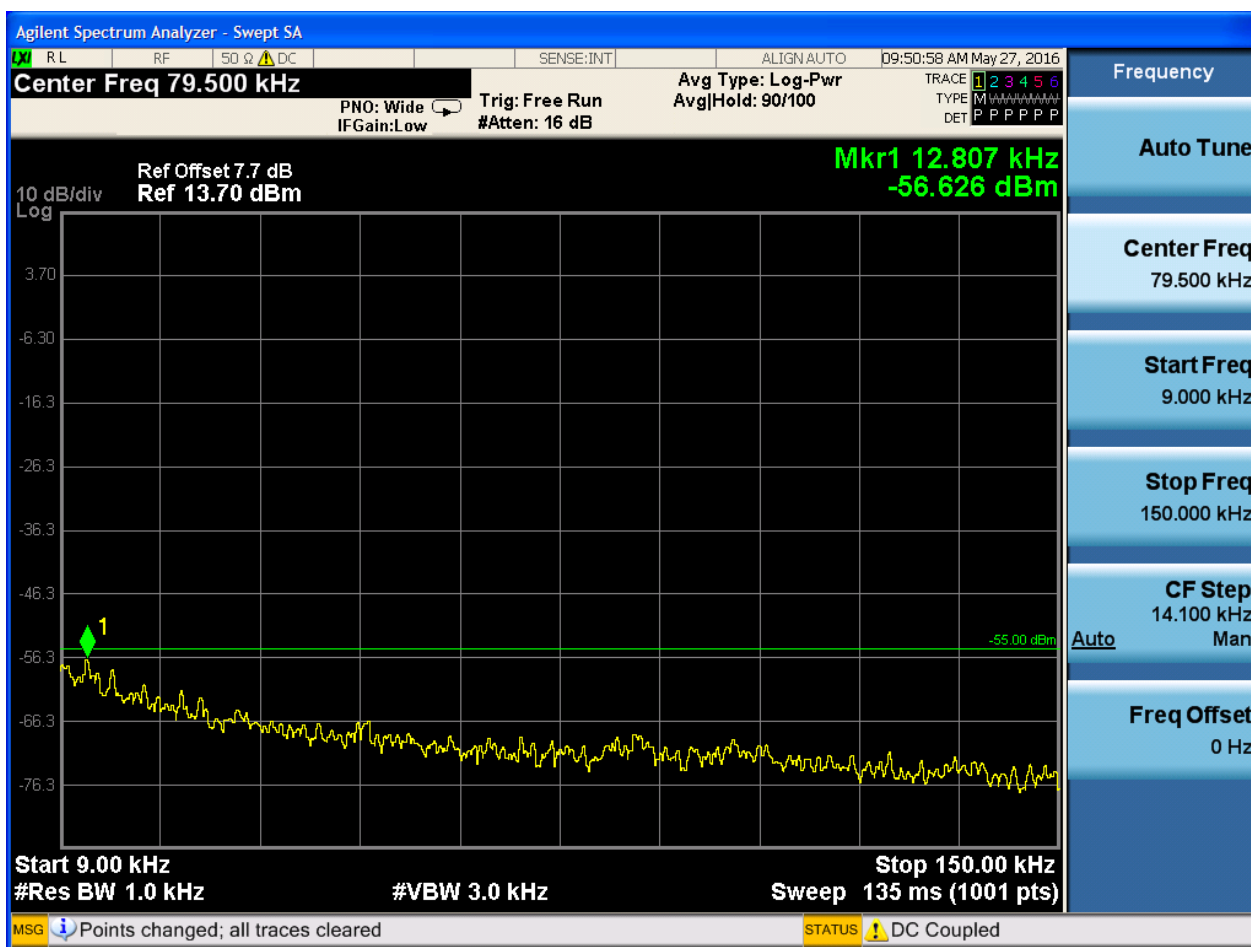


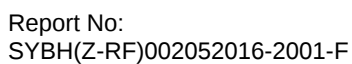


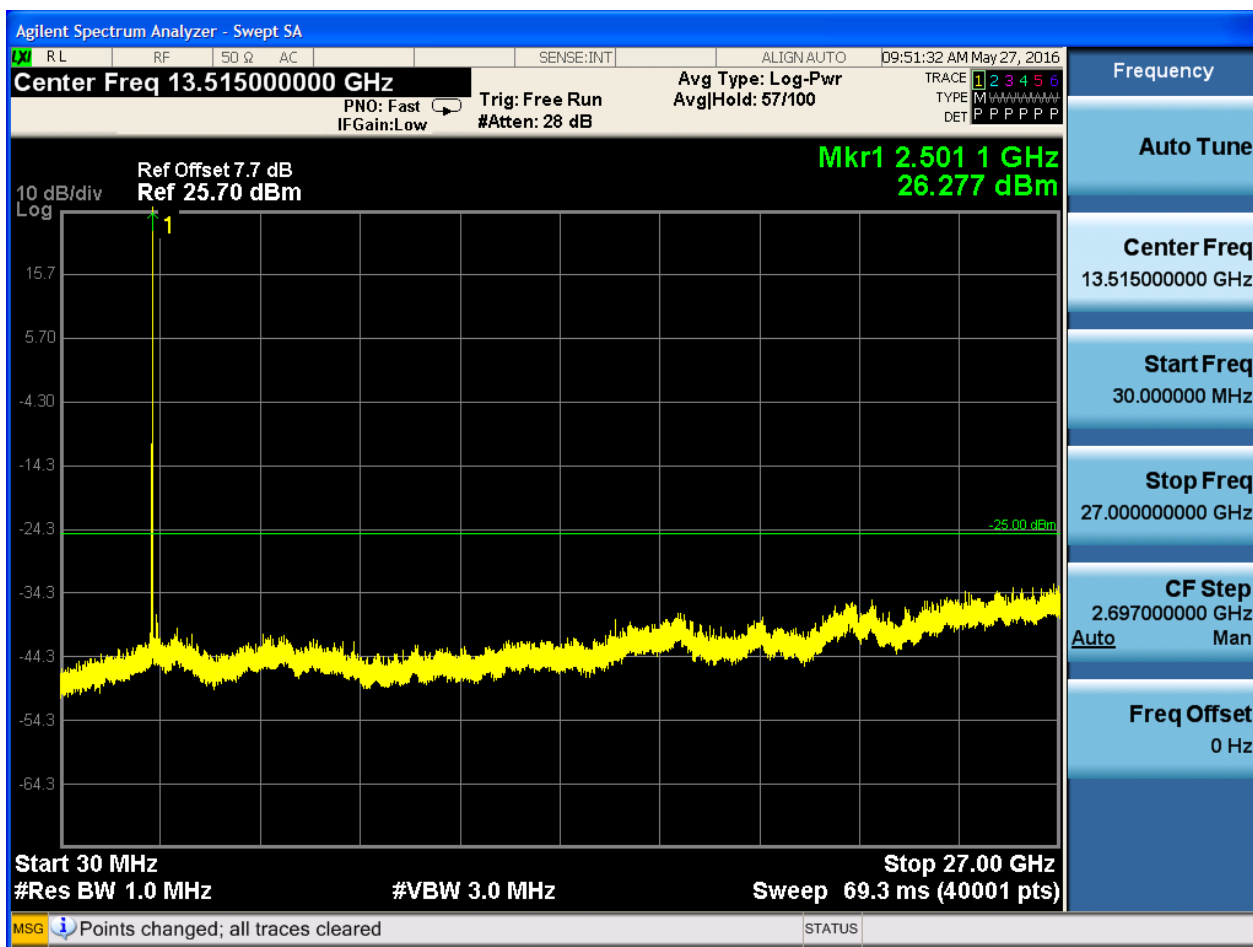
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



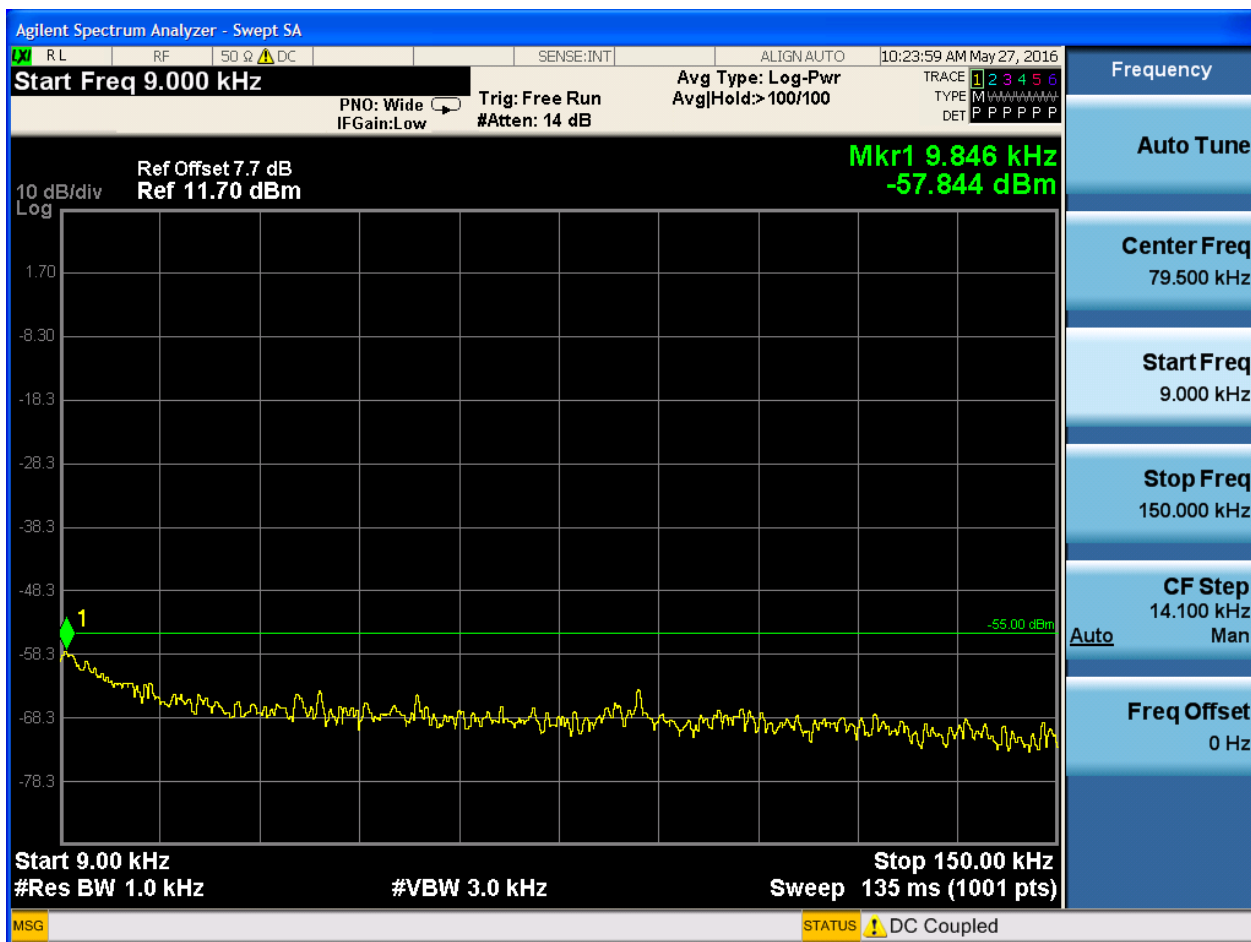


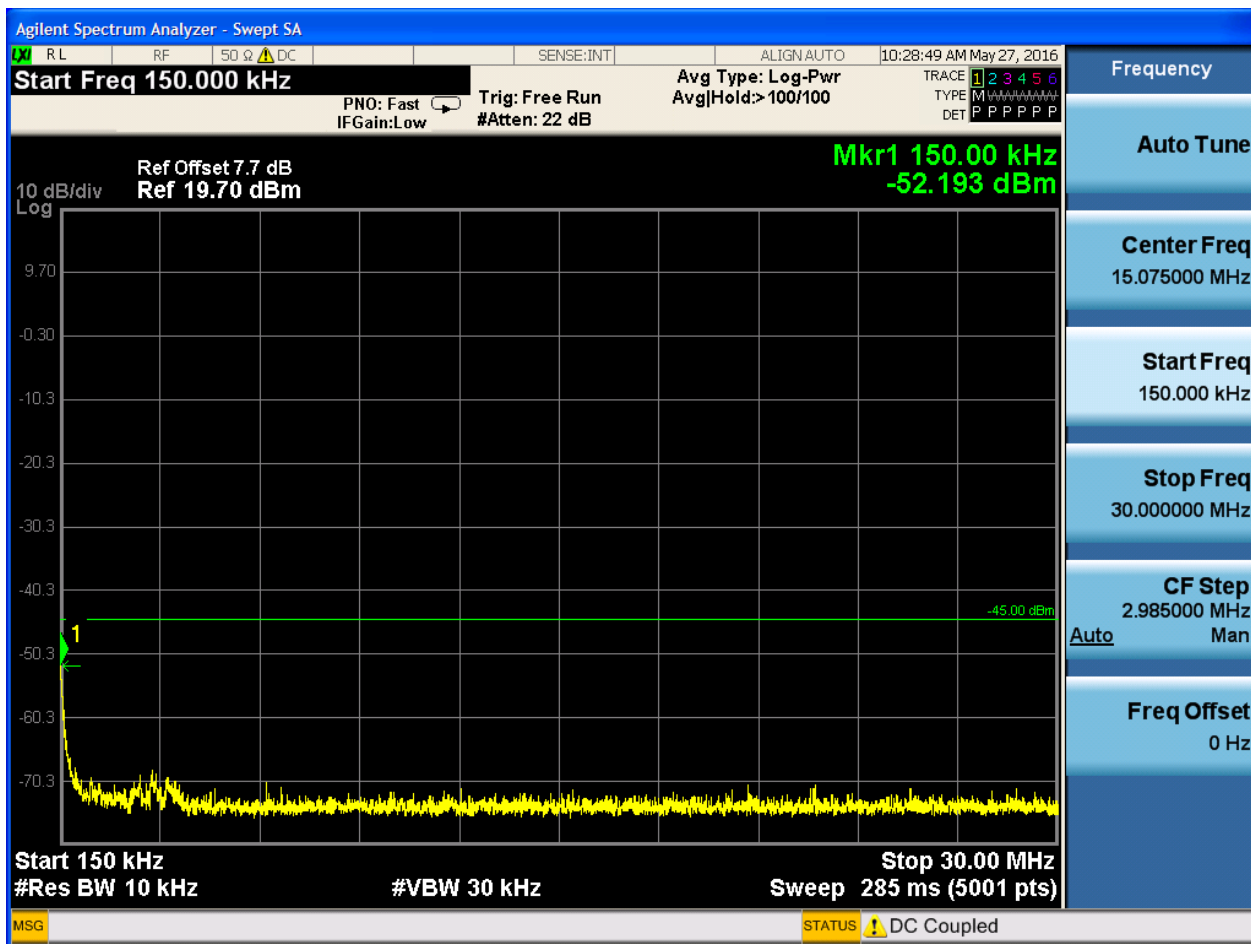


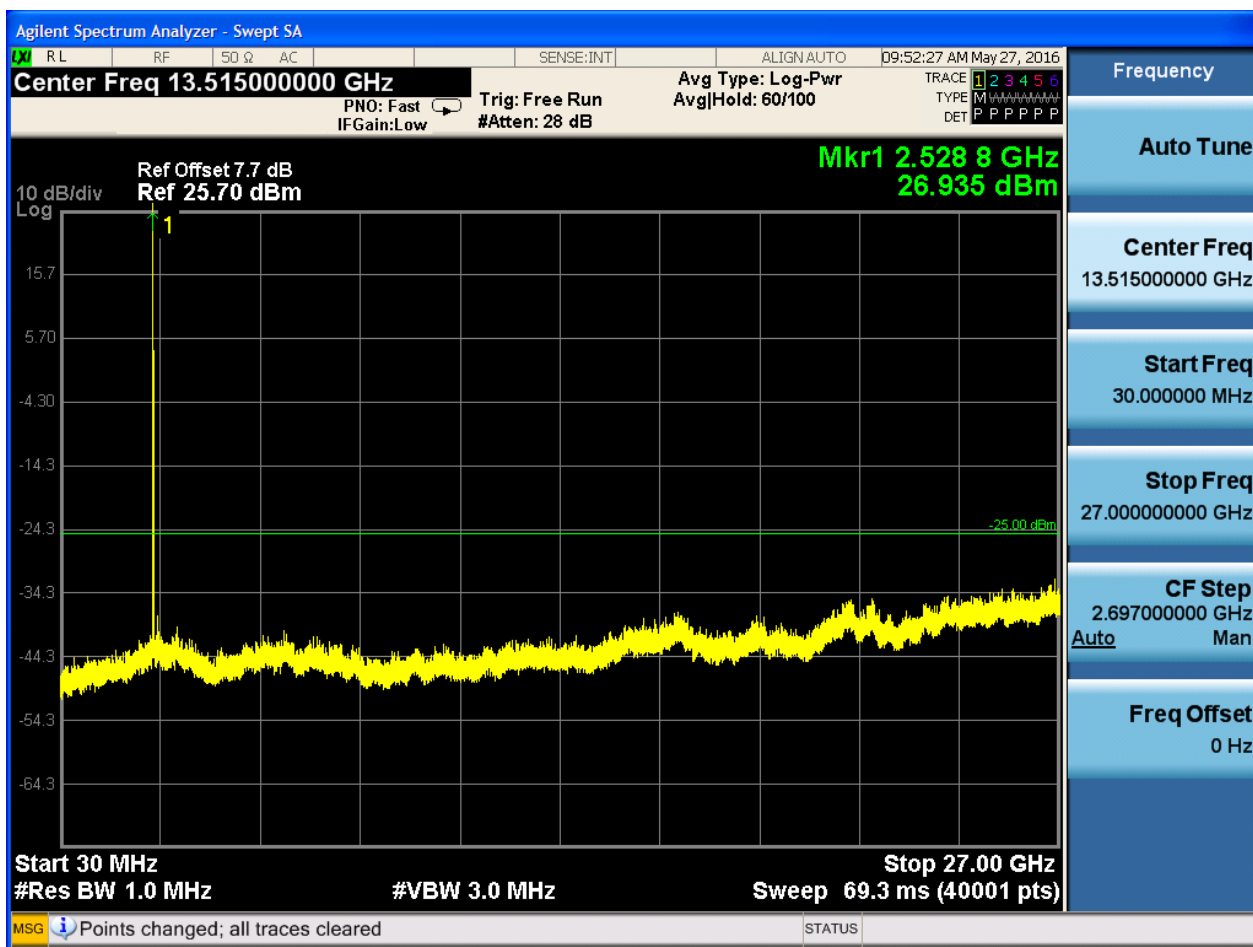


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

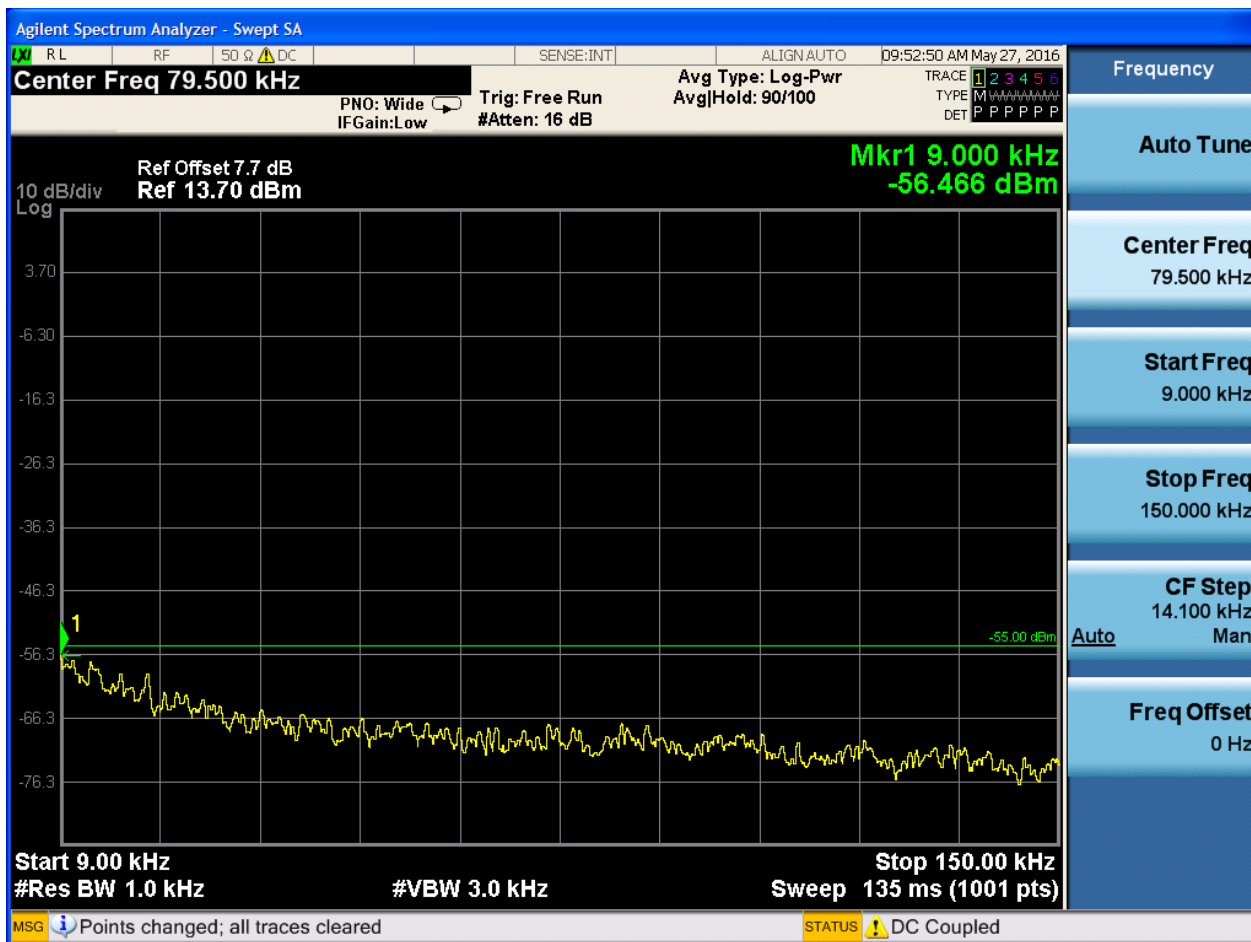


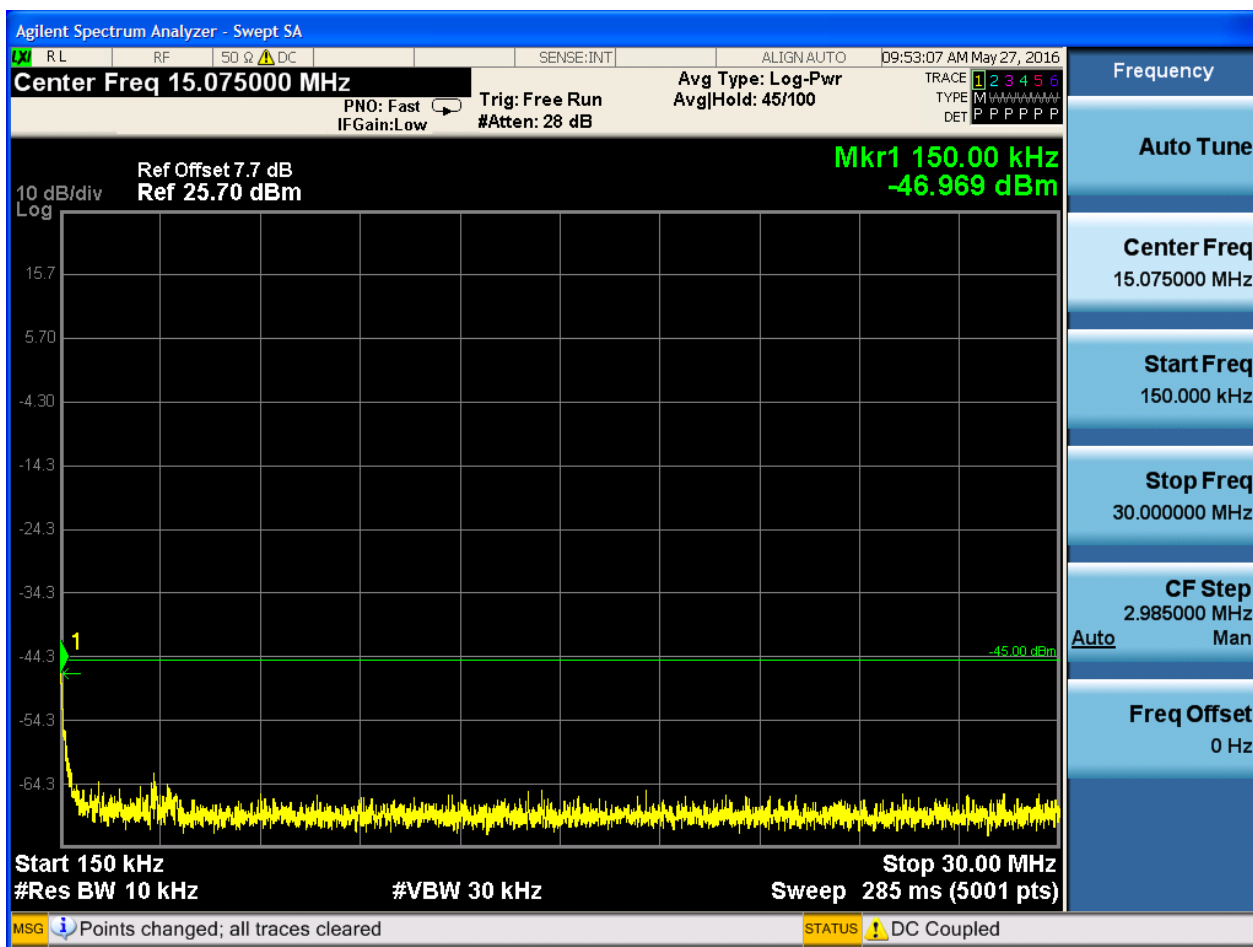


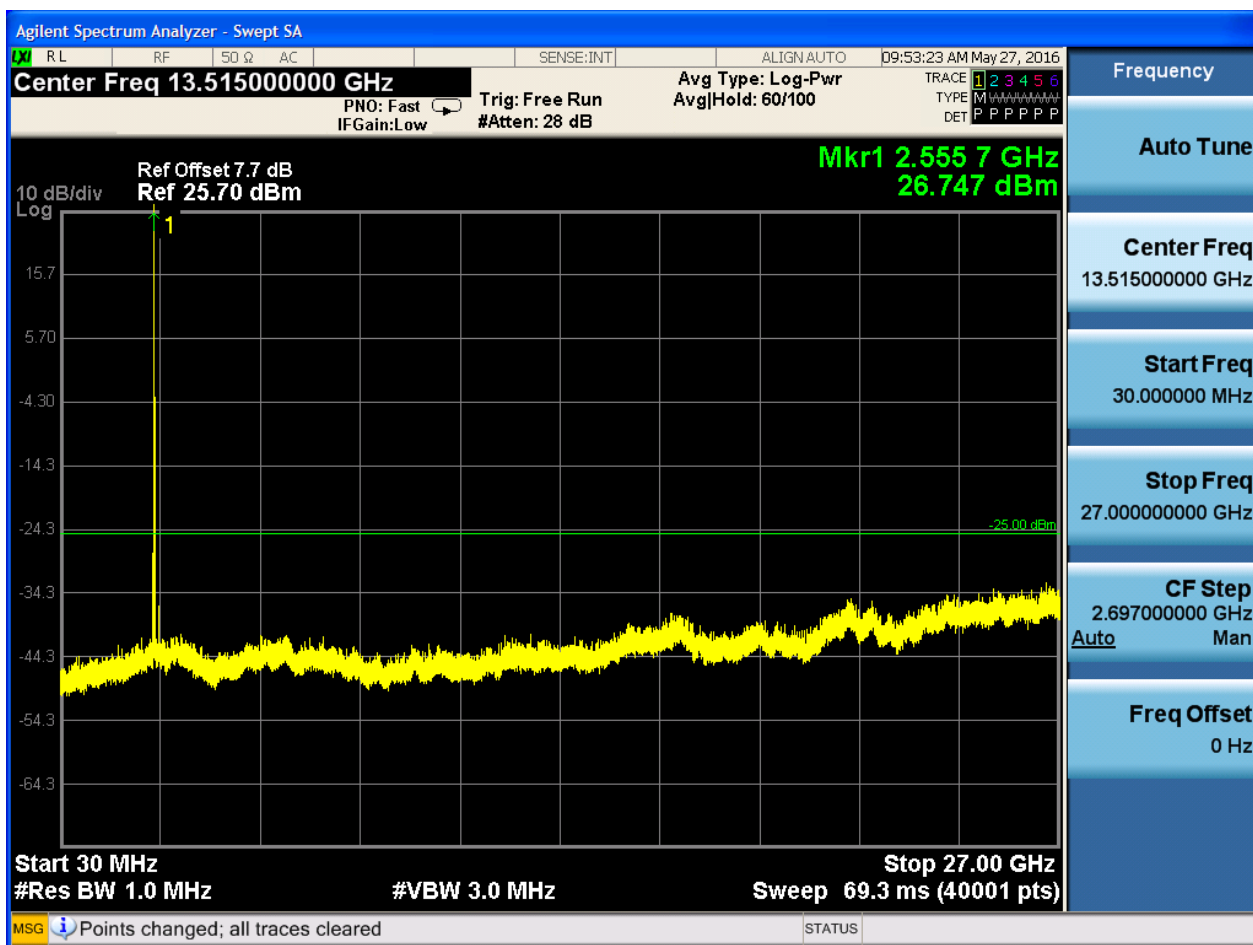


6.1.1.2.3.3 Test Channel = HCH

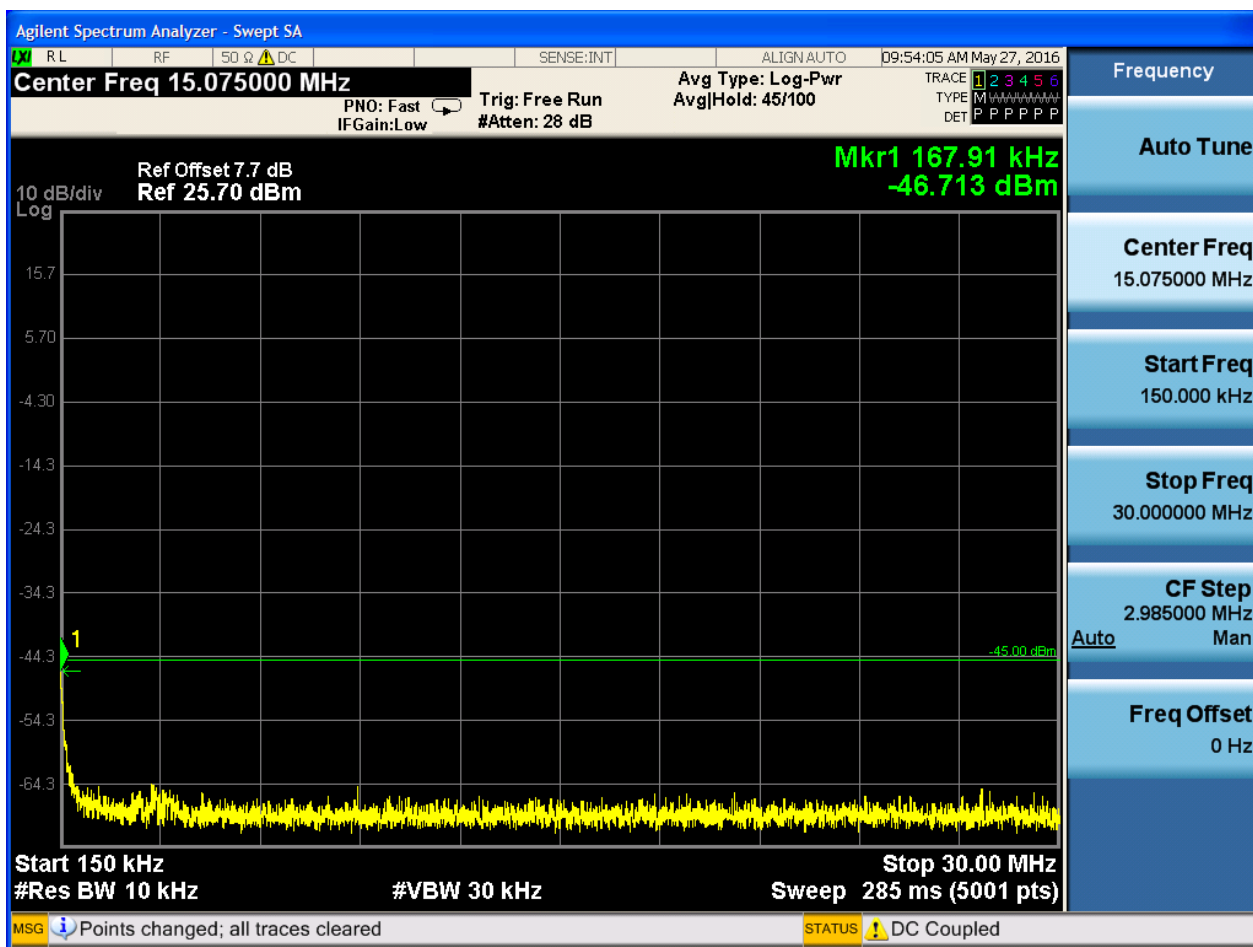
6.1.1.2.3.3.1 Test RB = RB1#0







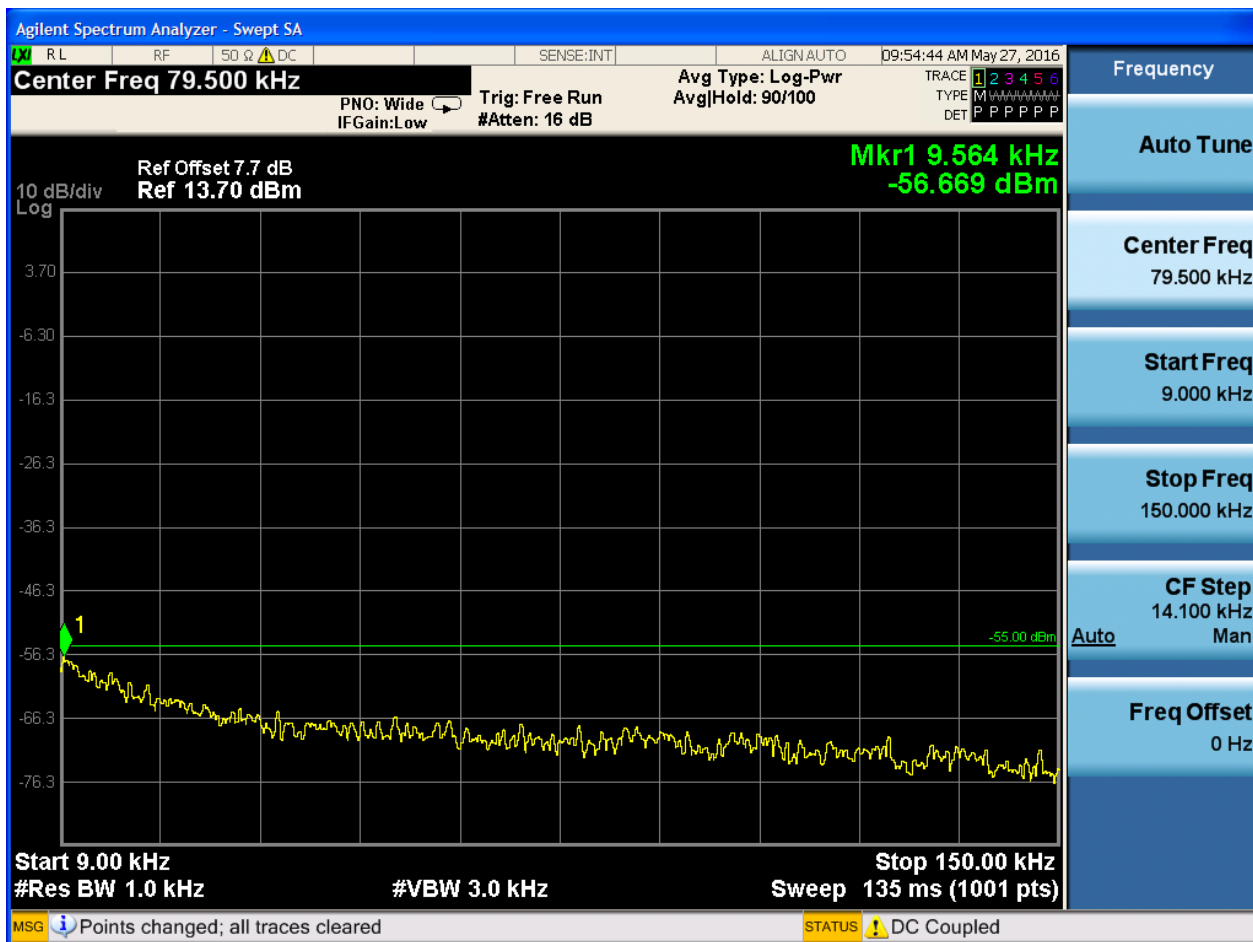


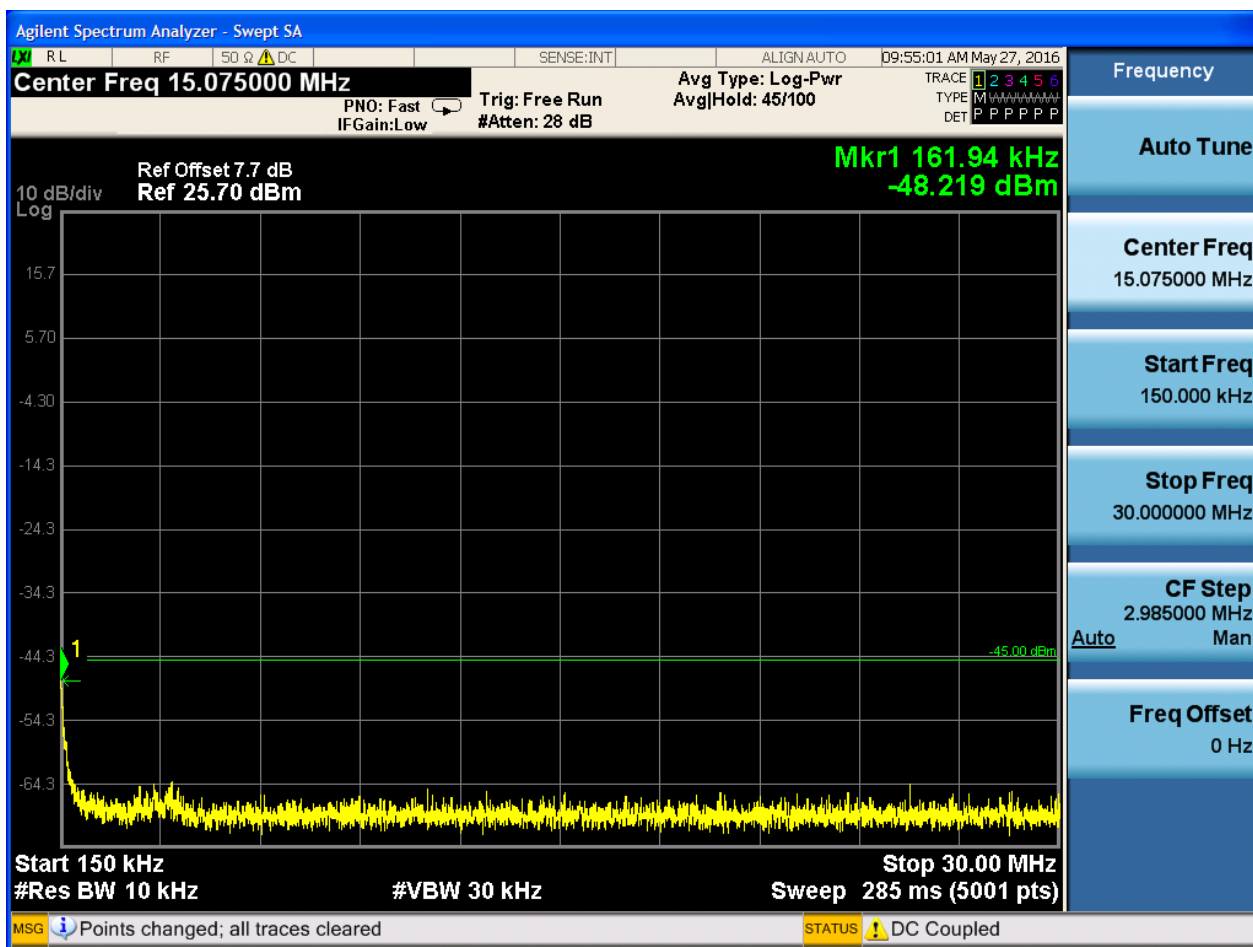


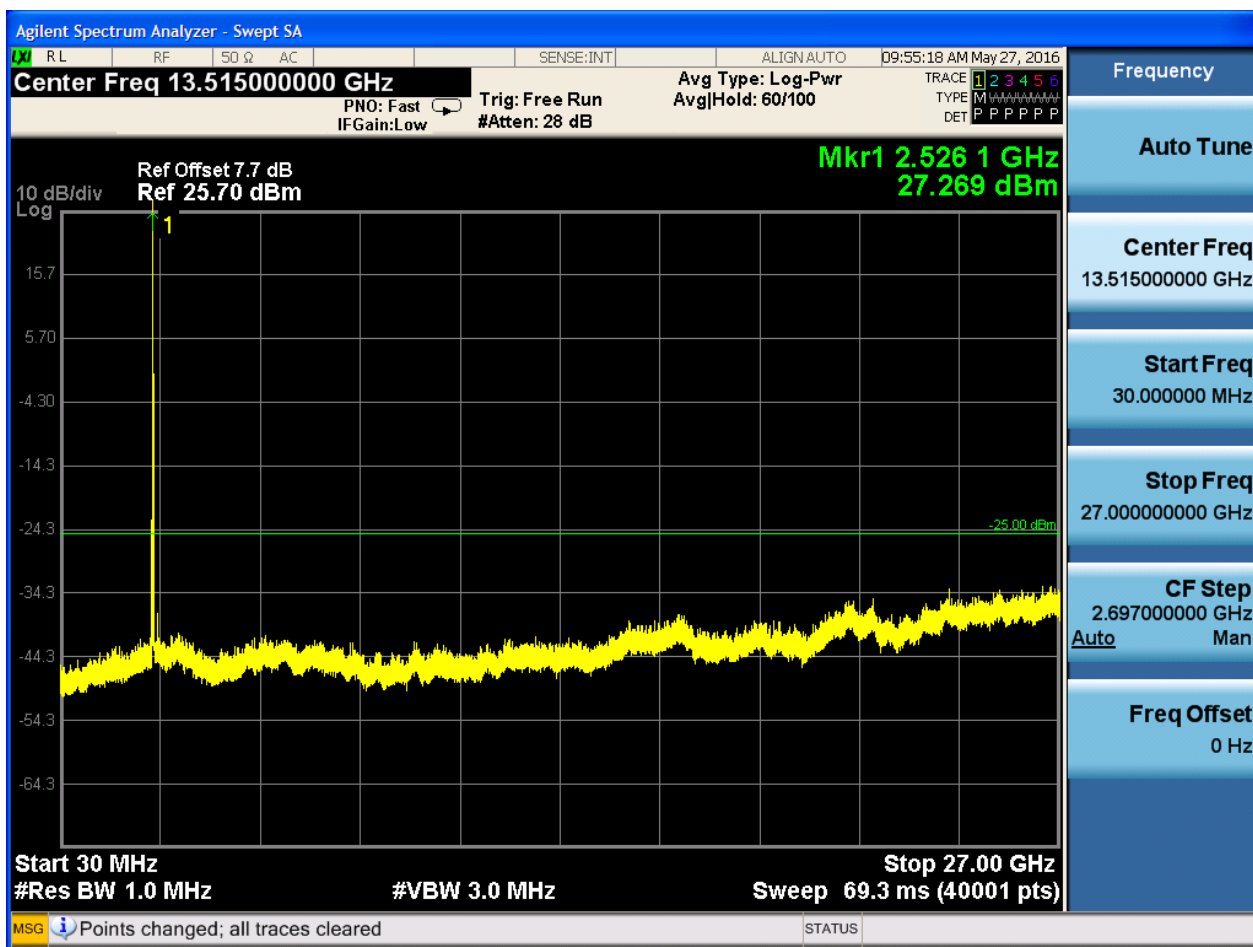


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



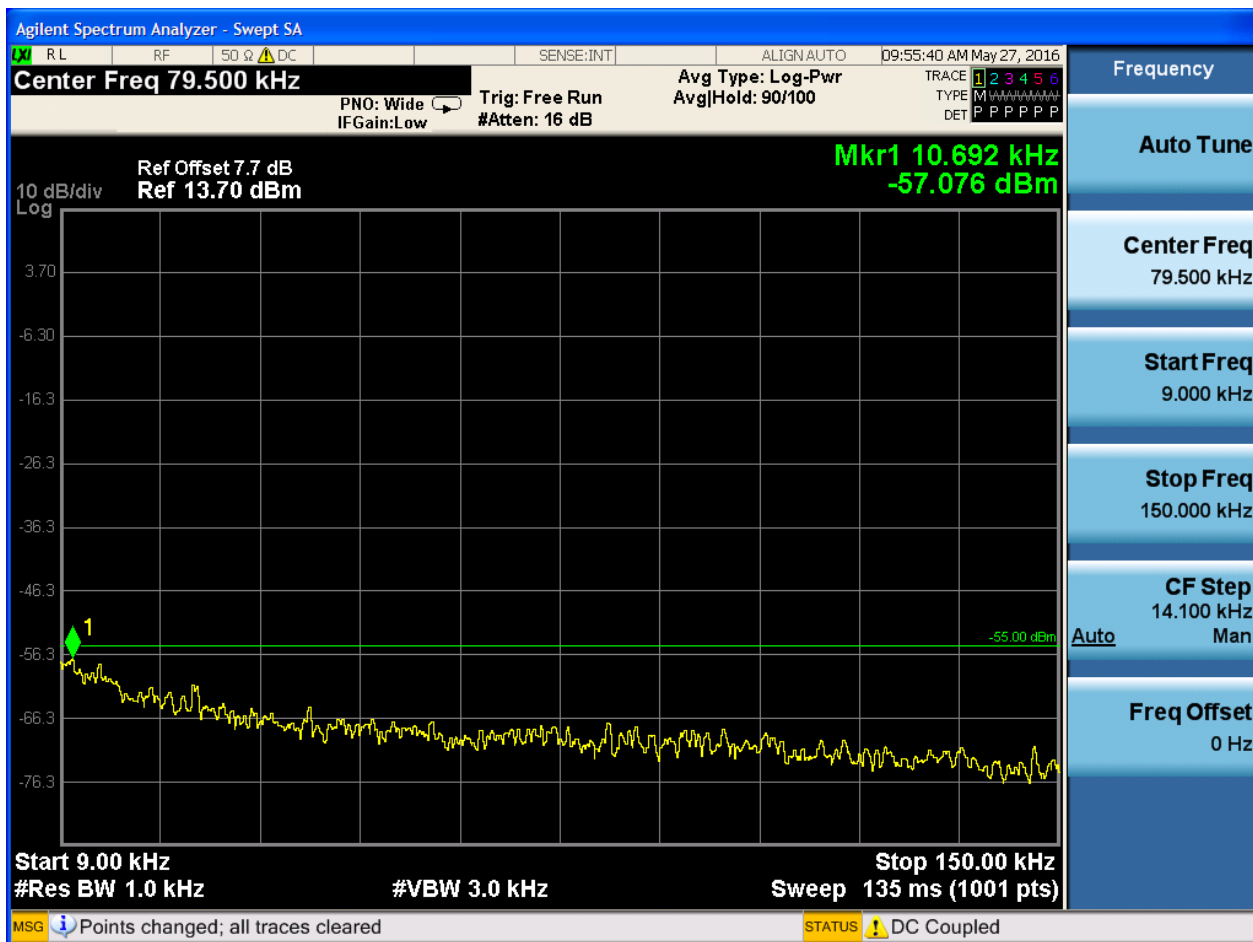


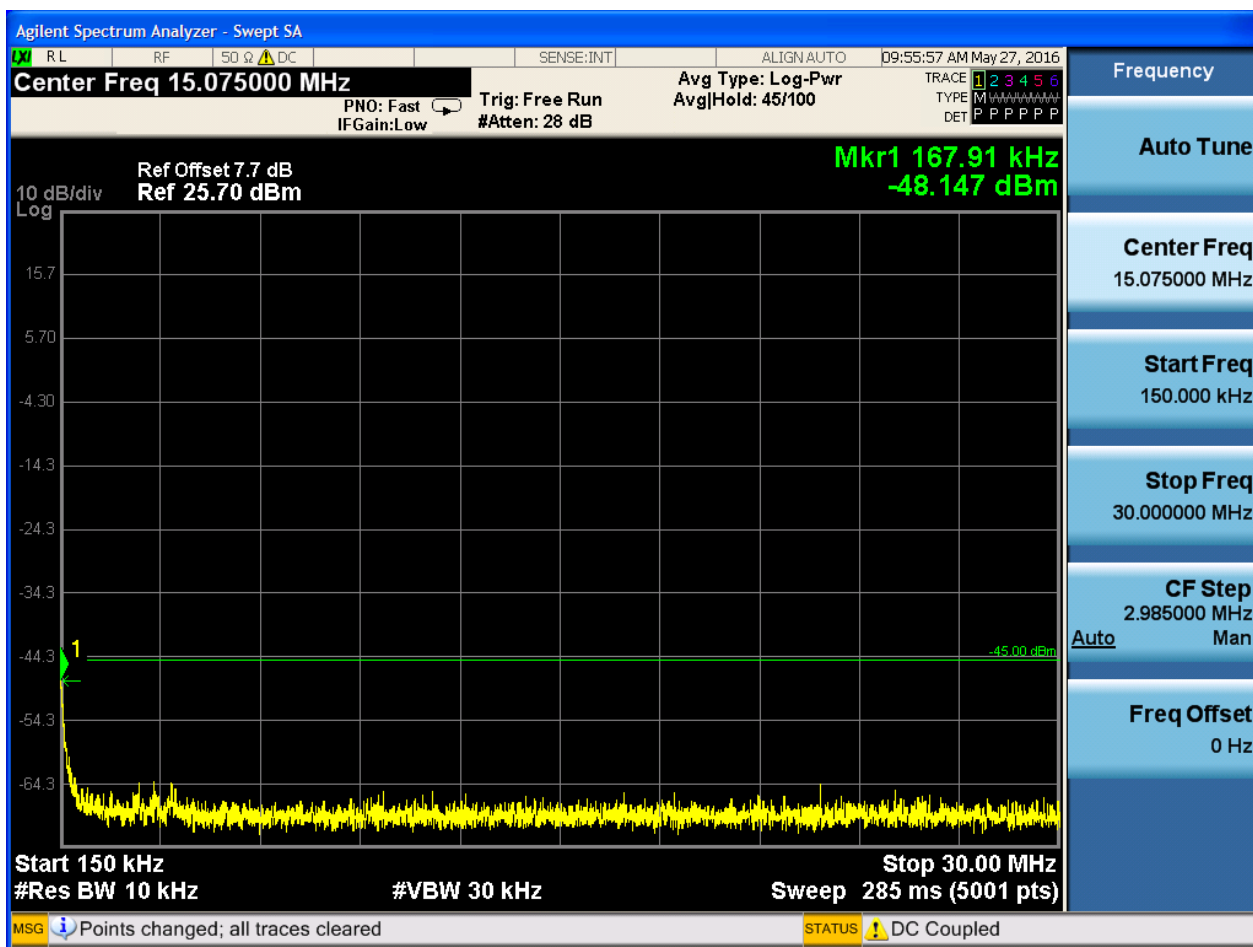


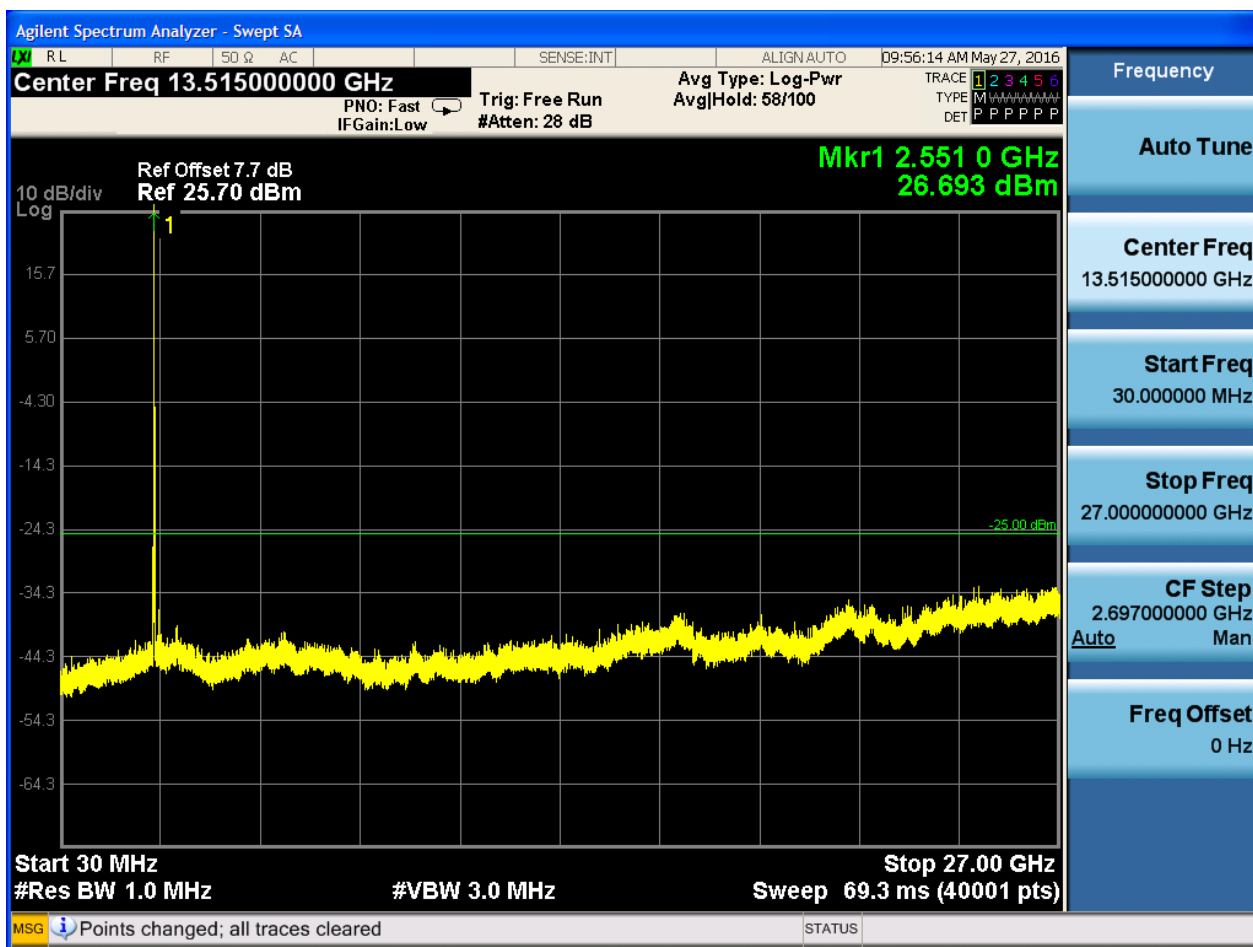


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

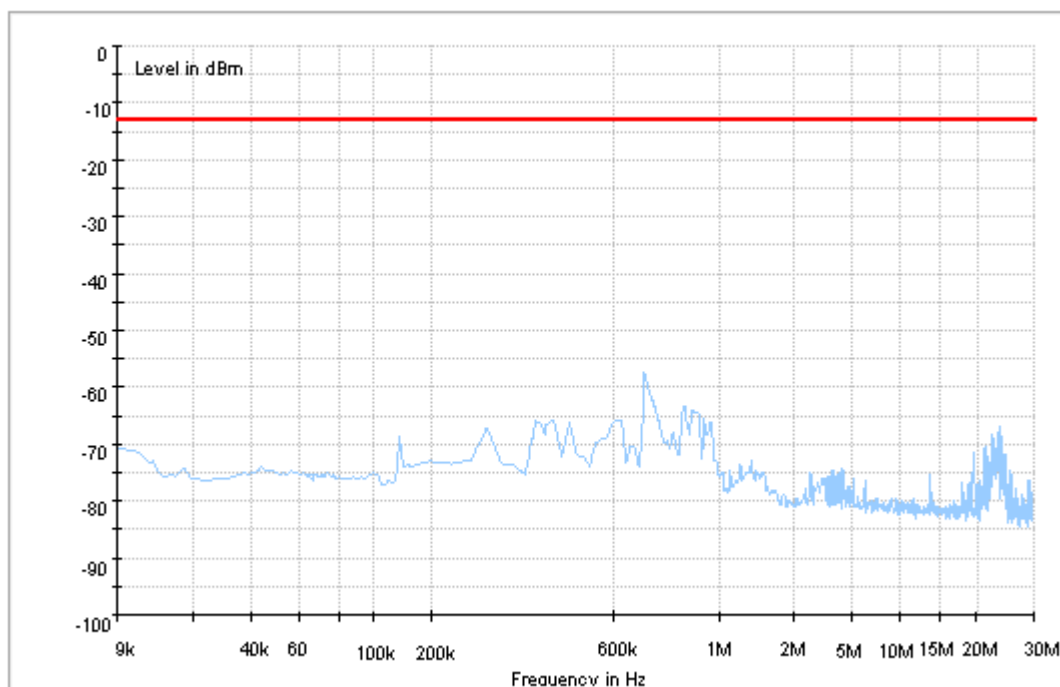
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

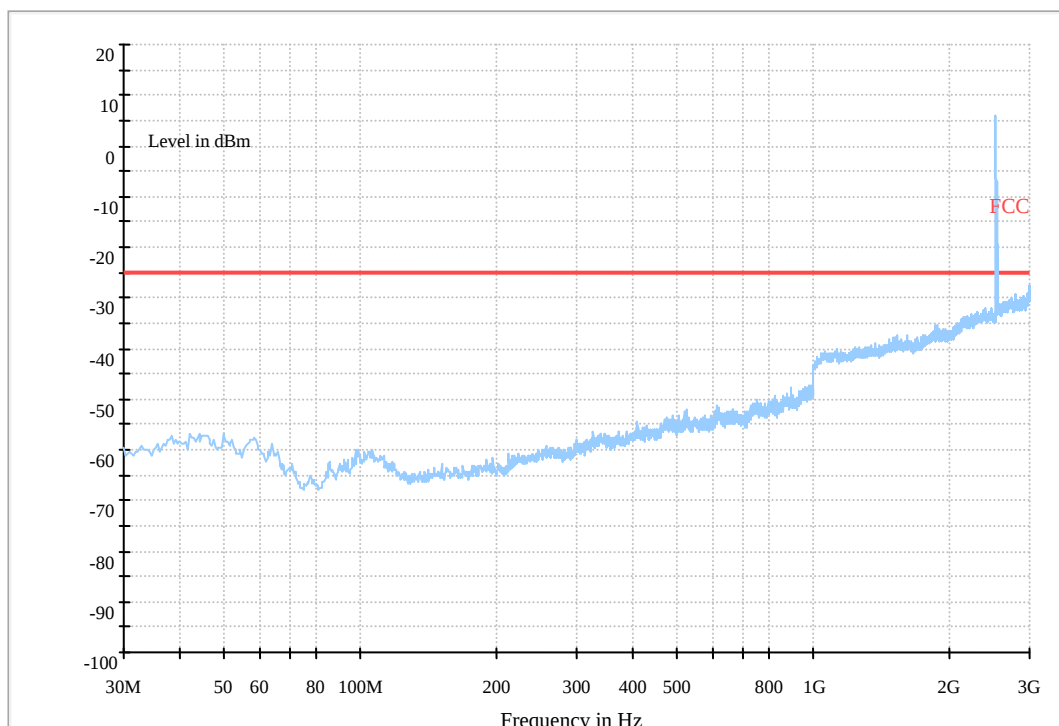
7.1 For LTE

7.1.1 Test Band = BAND7_Ant1

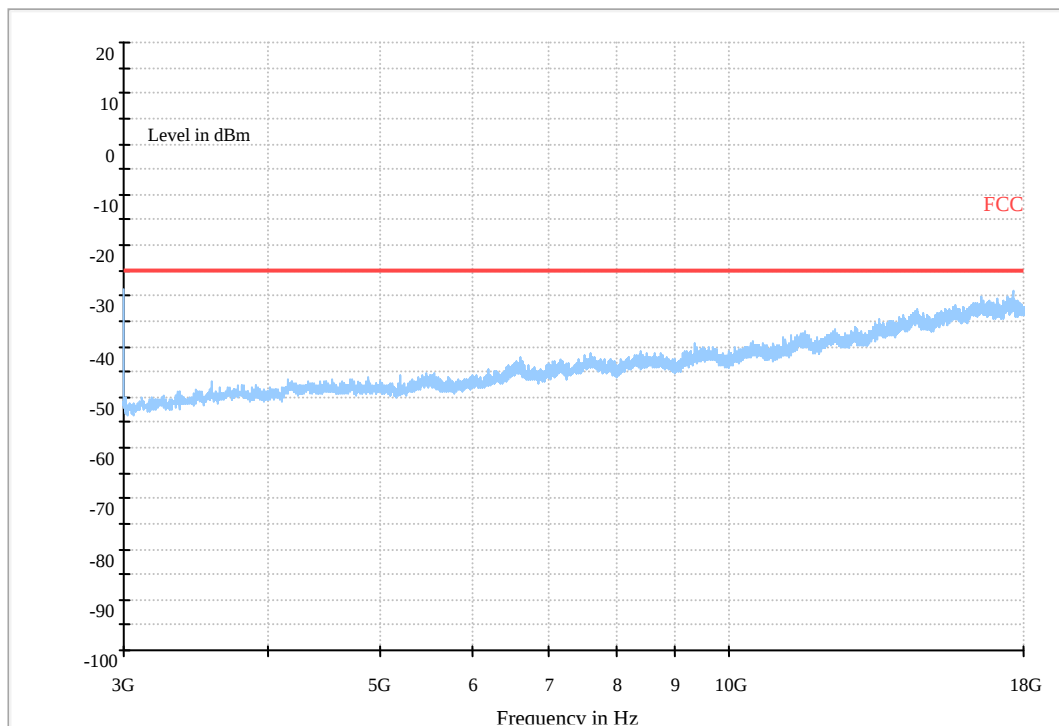
7.1.1.1 Test Bandwidth = 5

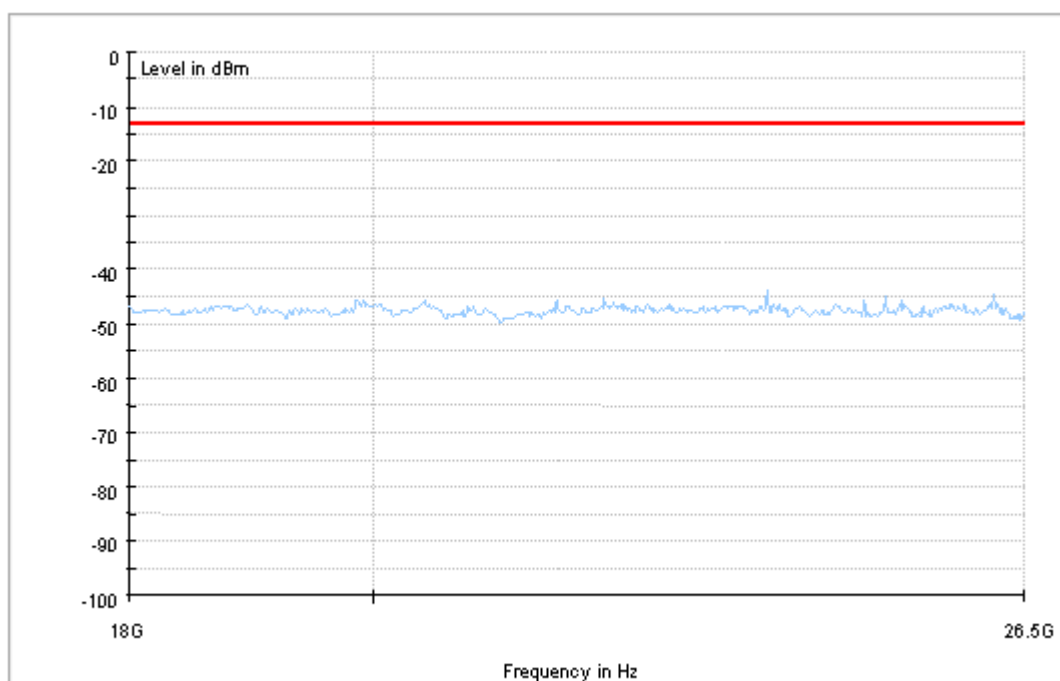


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

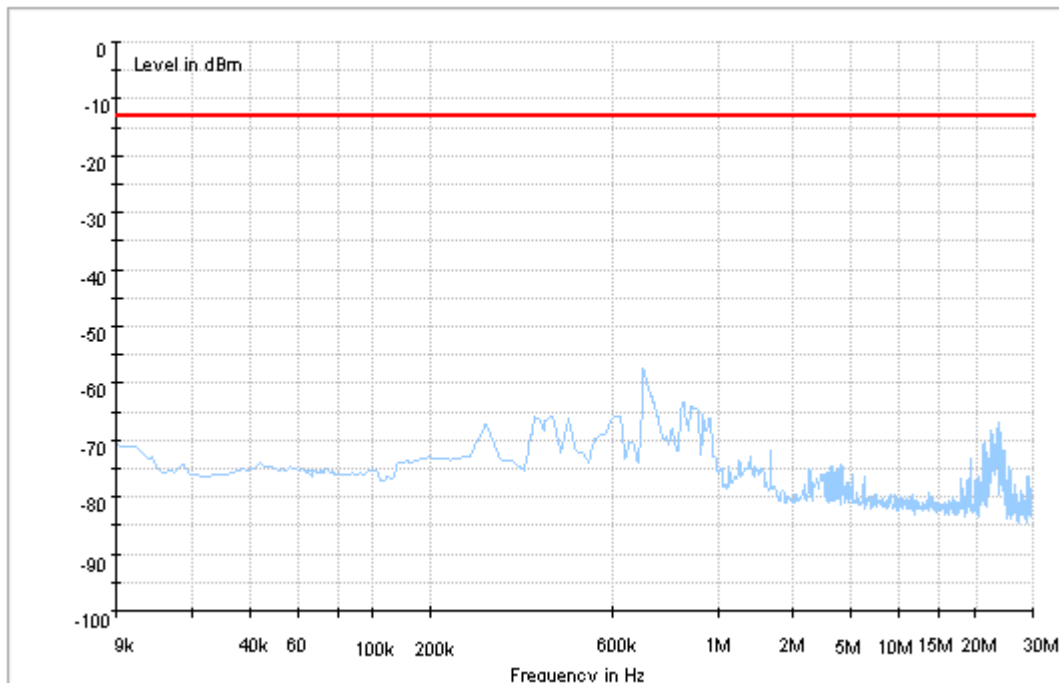


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

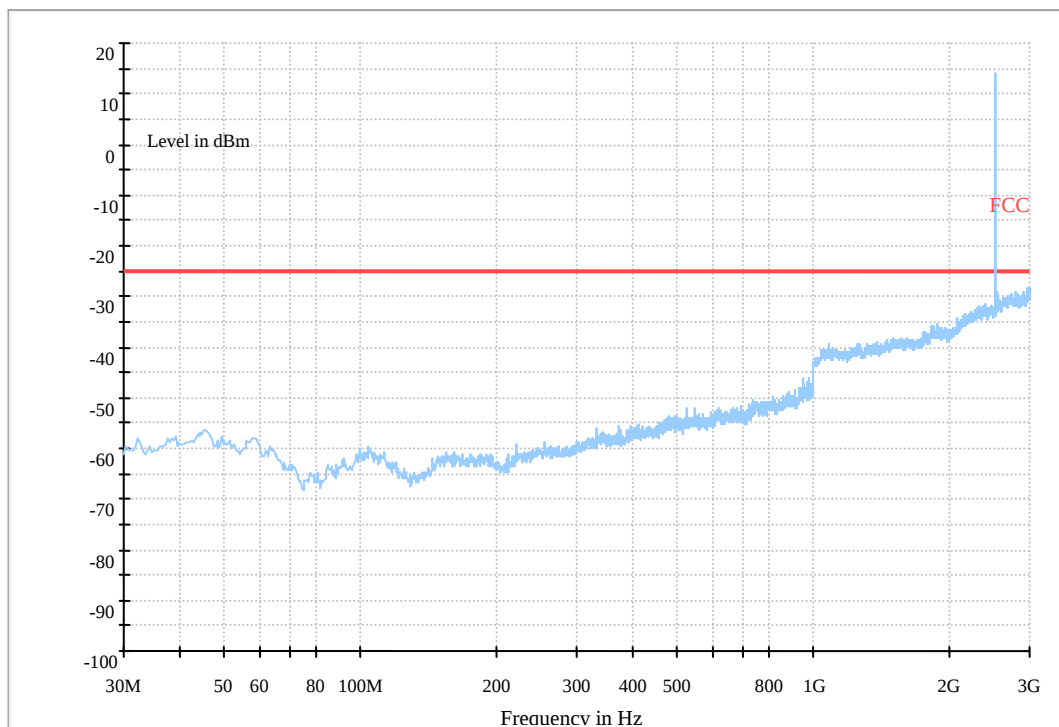




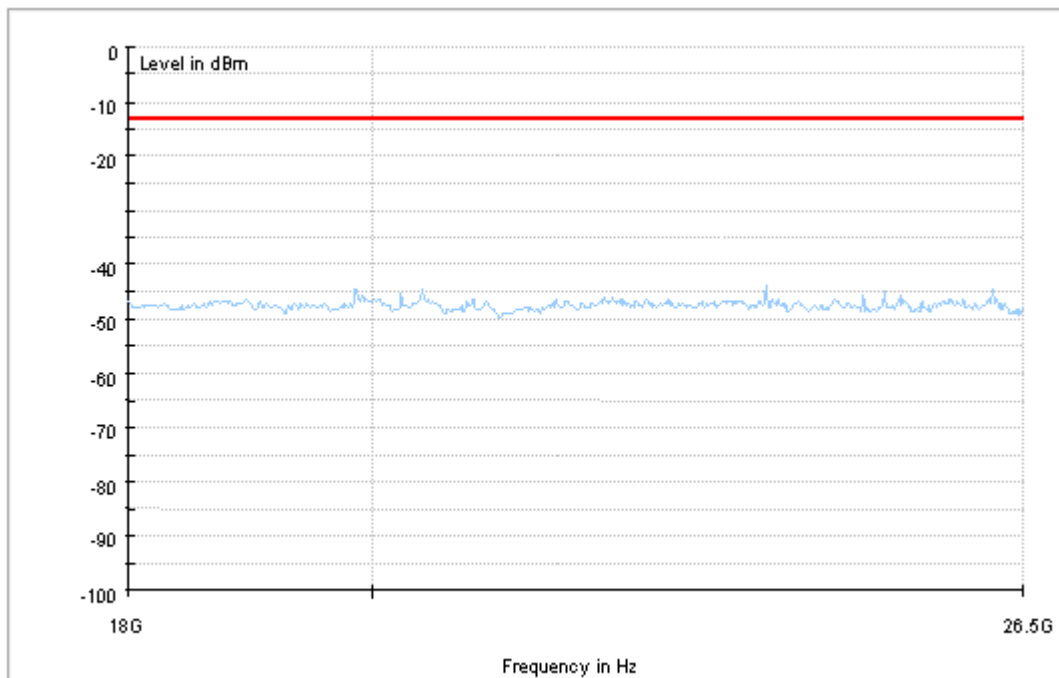
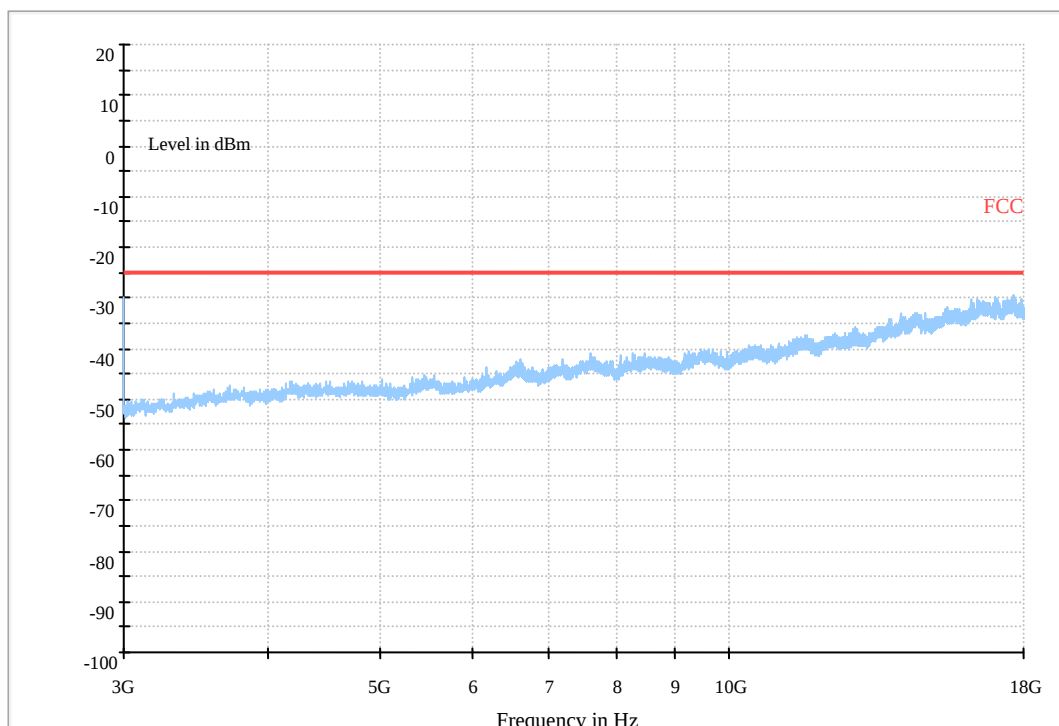
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

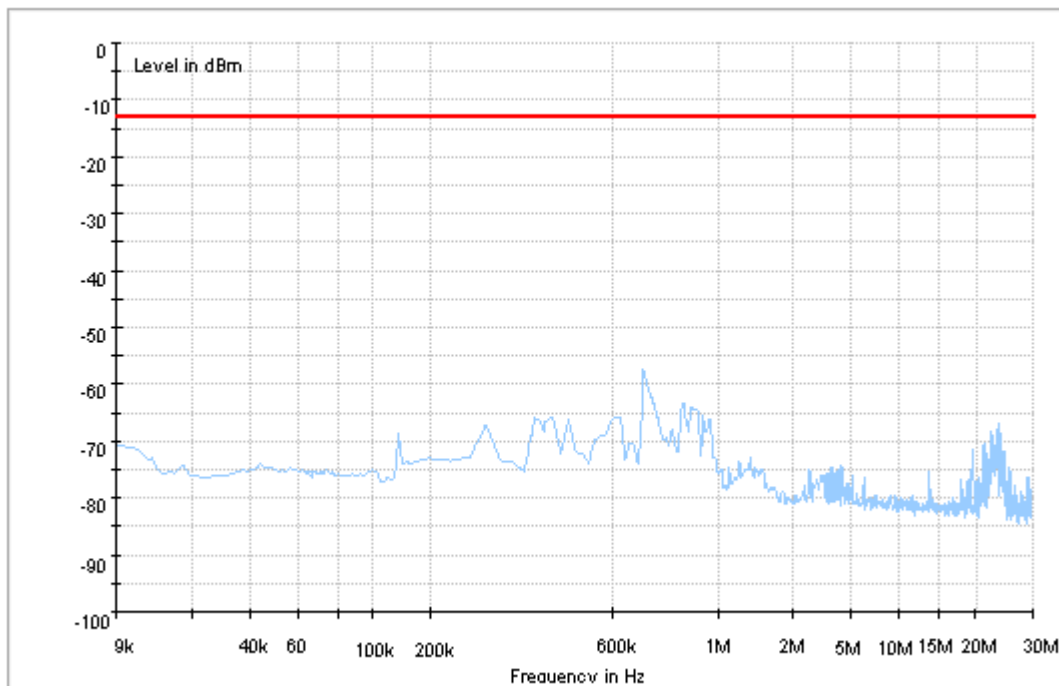


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

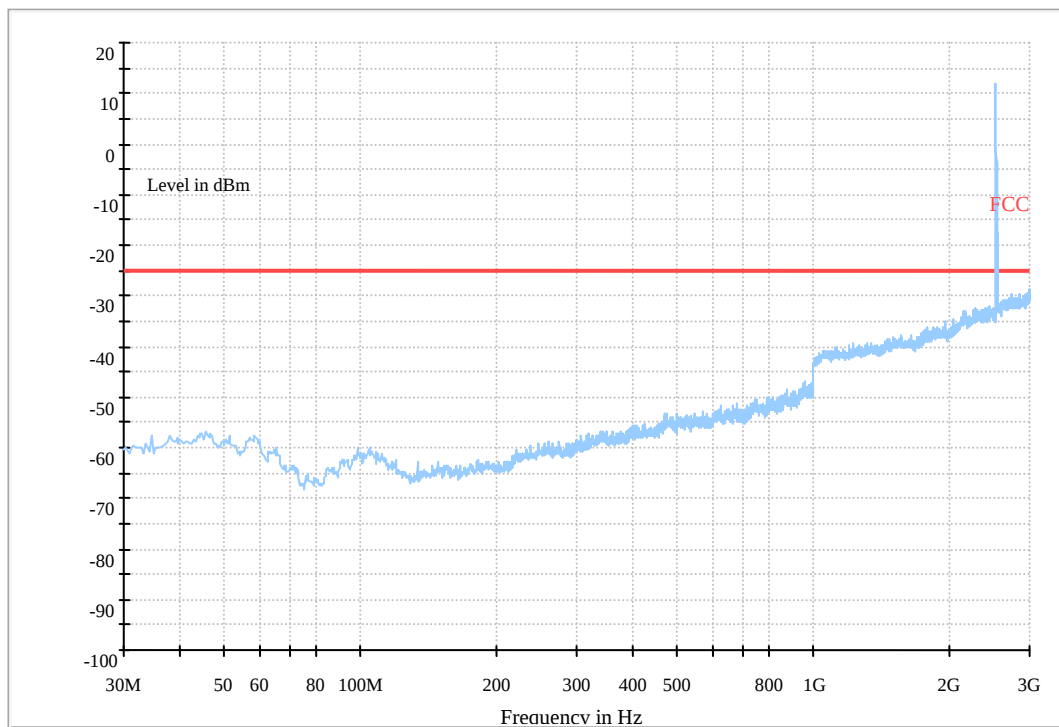


7.1.2 Test Band = BAND7_Ant2

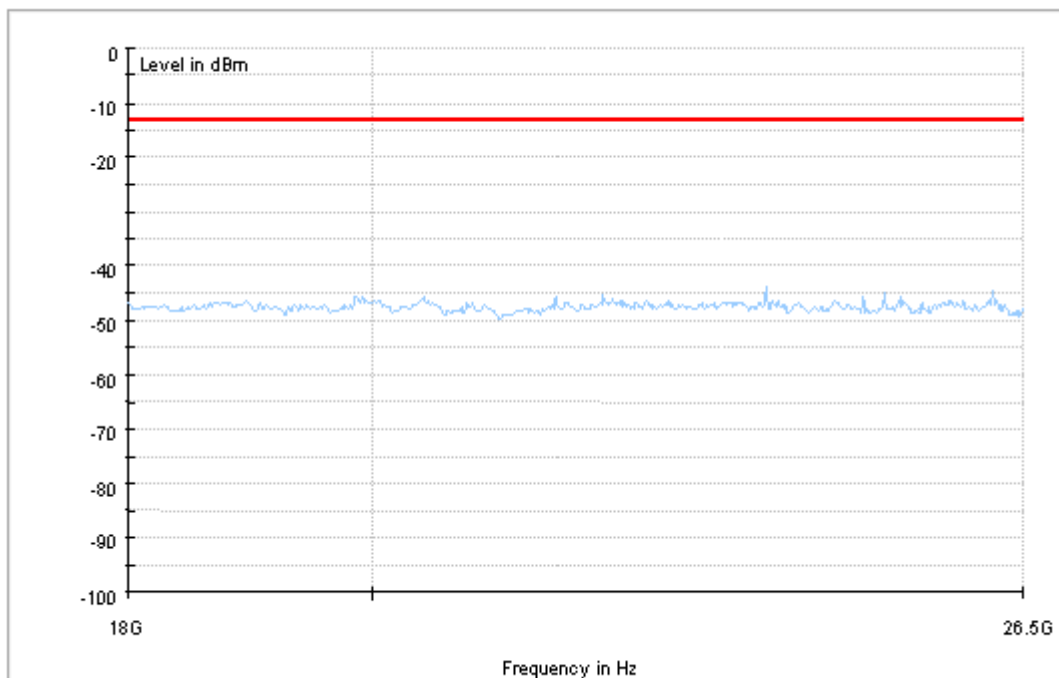
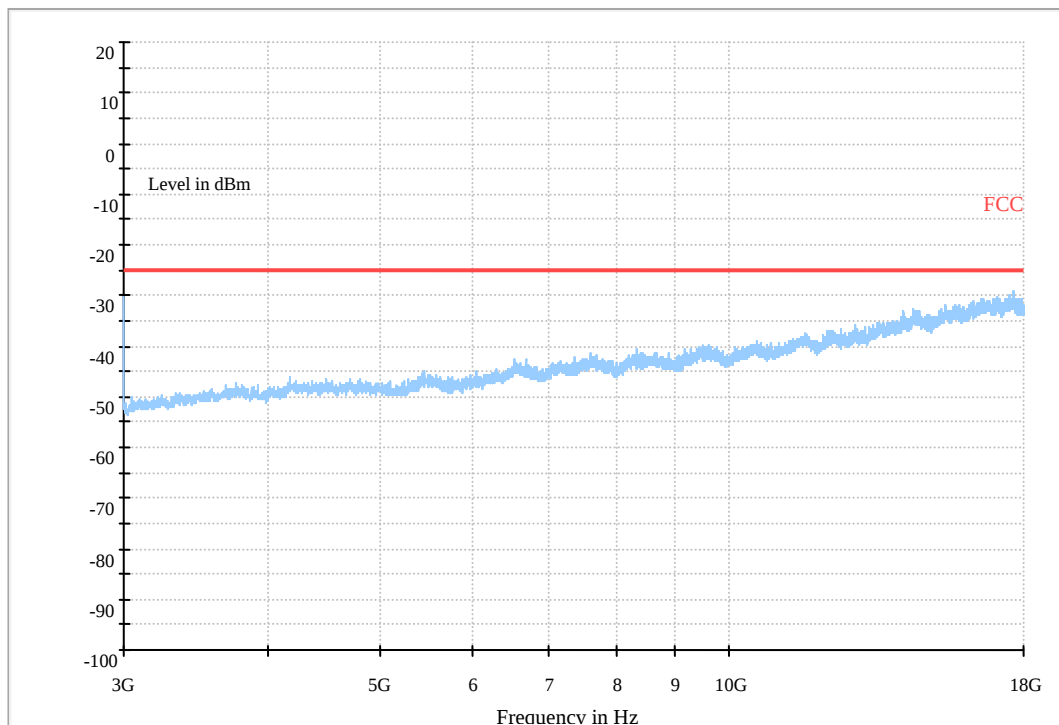
7.1.2.1 Test Bandwidth = 5



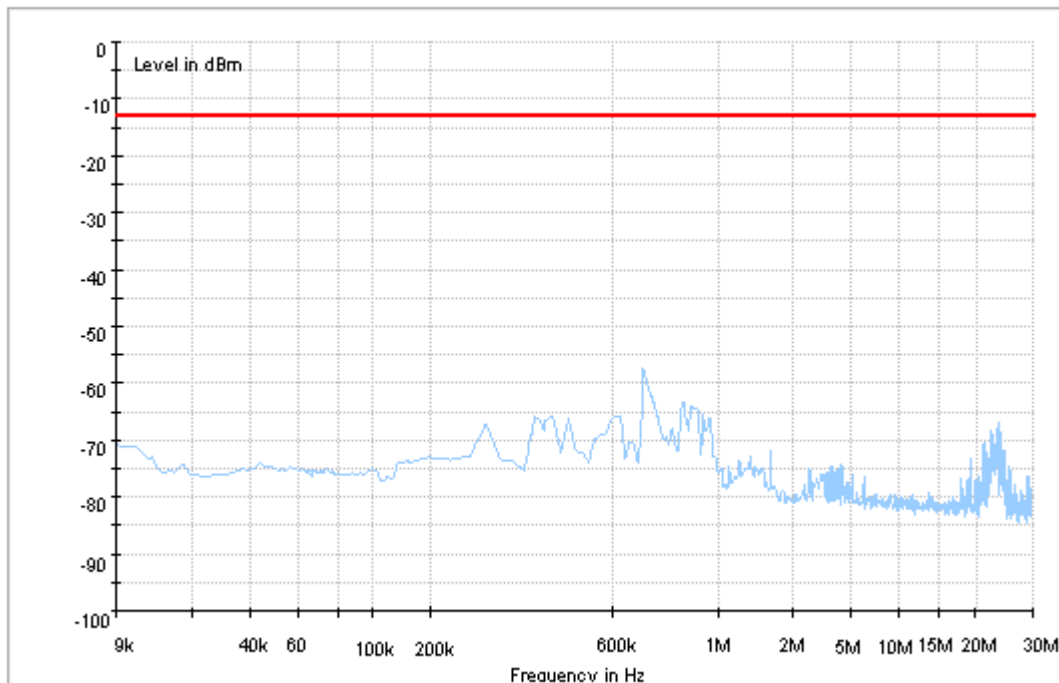
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



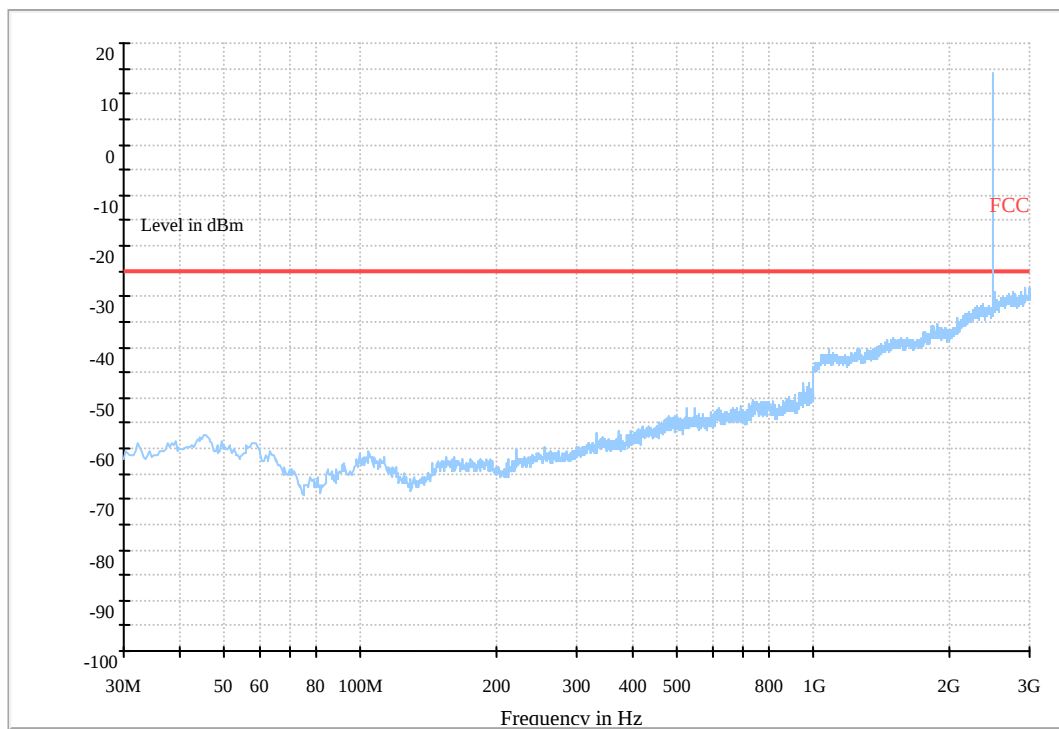
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



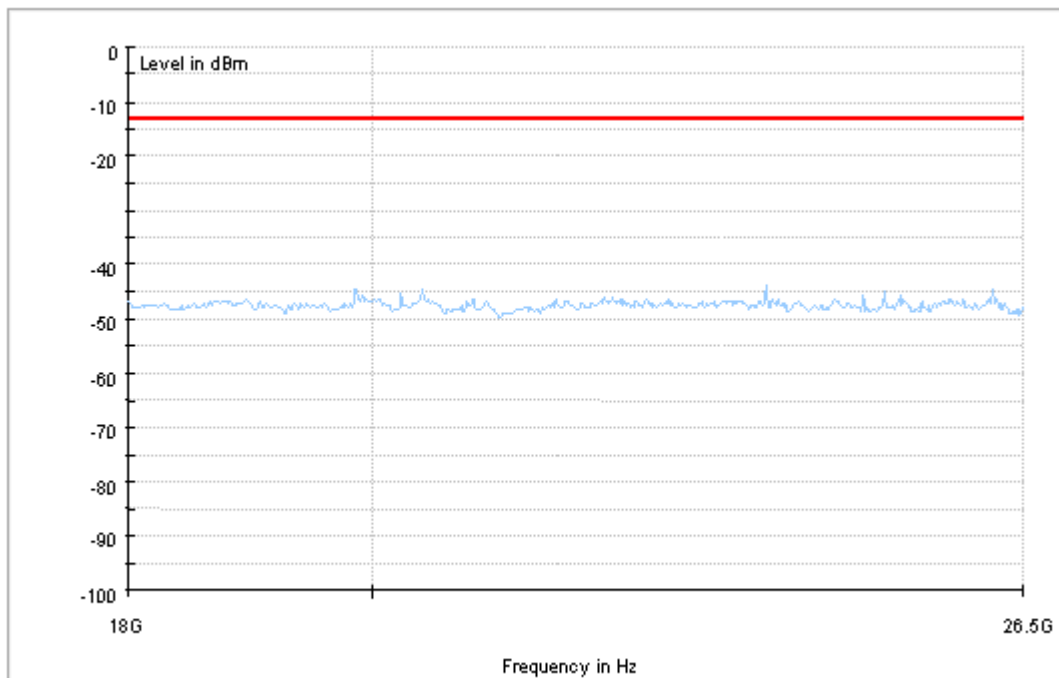
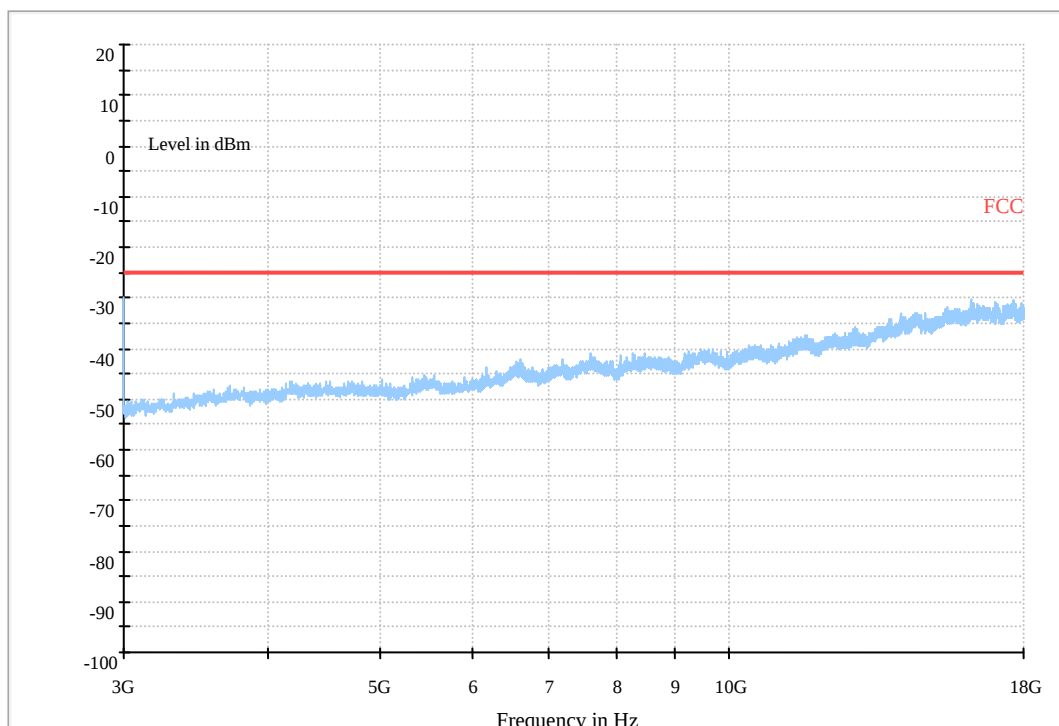
7.1.2.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	6.18	0.00247	PASS
					VN	-2.42	-0.00097	PASS
					VH	5.38	0.00215	PASS
			MCH	TN	VL	0.67	0.00026	PASS
					VN	-1.33	-0.00052	PASS
					VH	-2	-0.00079	PASS
			HCH	TN	VL	-2.09	-0.00081	PASS
					VN	-8.24	-0.00321	PASS
					VH	-7.54	-0.00294	PASS
		10	LCH	TN	VL	-0.4	-0.00016	PASS
					VN	-3.08	-0.00123	PASS
					VH	0.64	0.00026	PASS
			MCH	TN	VL	-4.19	-0.00165	PASS
					VN	-0.7	-0.00028	PASS
					VH	-4.98	-0.00196	PASS
			HCH	TN	VL	-4.76	-0.00186	PASS
					VN	-4.51	-0.00176	PASS
					VH	-4.49	-0.00175	PASS
		15	LCH	TN	VL	-0.2	-0.00008	PASS
					VN	-0.62	-0.00025	PASS
					VH	0.72	0.00029	PASS
			MCH	TN	VL	-2.65	-0.00105	PASS
					VN	-2.66	-0.00105	PASS
					VH	-2.26	-0.00089	PASS
			HCH	TN	VL	-4.48	-0.00175	PASS
					VN	-5.34	-0.00208	PASS
					VH	-6.09	-0.00238	PASS
		20	LCH	TN	VL	1.79	0.00071	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	0.62	0.00025	PASS
					VH	0.77	0.00031	PASS
			MCH	TN	VL	0.47	0.00019	PASS
					VN	-3.75	-0.00148	PASS
					VH	-1.2	-0.00047	PASS
			HCH	TN	VL	-4.39	-0.00171	PASS
					VN	-5.35	-0.00209	PASS
					VH	-3.89	-0.00152	PASS
	LTE/TM2	5	LCH	TN	VL	-2.86	-0.00114	PASS
					VN	7.61	0.00304	PASS
					VH	6.12	0.00245	PASS
			MCH	TN	VL	4.59	0.00181	PASS
					VN	-0.92	-0.00036	PASS
					VH	1.13	0.00045	PASS
			HCH	TN	VL	-5.42	-0.00211	PASS
					VN	-6.68	-0.0026	PASS
					VH	-5.44	-0.00212	PASS
		10	LCH	TN	VL	0.9	0.00036	PASS
					VN	4.41	0.00176	PASS
					VH	4.92	0.00196	PASS
			MCH	TN	VL	-1.47	-0.00058	PASS
					VN	1.53	0.0006	PASS
					VH	0.37	0.00015	PASS
			HCH	TN	VL	-2.5	-0.00097	PASS
					VN	-6.38	-0.00249	PASS
					VH	-0.73	-0.00028	PASS
		15	LCH	TN	VL	1.99	0.00079	PASS
					VN	1.93	0.00077	PASS
					VH	-0.29	-0.00012	PASS
			MCH	TN	VL	-1.83	-0.00072	PASS
					VN	-1.53	-0.0006	PASS
					VH	-0.53	-0.00021	PASS
			HCH	TN	VL	-4.11	-0.0016	PASS
					VN	-4.28	-0.00167	PASS
					VH	-4.19	-0.00164	PASS
		20	LCH	TN	VL	-0.27	-0.00011	PASS
					VN	0.87	0.00035	PASS
					VH	0.03	0.00001	PASS
			MCH	TN	VL	1.07	0.00042	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-3.15	-0.00126	PASS
					VH	-0.54	-0.00021	PASS
			HCH	TN	VL	-3.88	-0.00152	PASS
					VN	-3.66	-0.00143	PASS
					VH	-3.18	-0.00124	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	VN	-30	2.29	0.00092	PASS
					-20	-0.77	-0.00031	PASS
					-10	5.08	0.00203	PASS
					0	-1.4	-0.00056	PASS
					10	2.65	0.00106	PASS
					20	2.33	0.00093	PASS
					30	-0.57	-0.00023	PASS
					40	3.18	0.00127	PASS
					50	1.33	0.00053	PASS
			MCH	VN	-30	-0.66	-0.00026	PASS
					-20	-2.53	-0.001	PASS
					-10	2.76	0.00109	PASS
					0	-6.67	-0.00263	PASS
					10	-3.25	-0.00128	PASS
					20	-0.79	-0.00031	PASS
					30	-1.3	-0.00051	PASS
					40	-2.39	-0.00094	PASS
					50	0.93	0.00037	PASS
			HCH	VN	-30	-7.25	-0.00282	PASS
					-20	-5.48	-0.00213	PASS
					-10	-7.8	-0.00304	PASS
					0	-4.84	-0.00189	PASS
					10	-6.75	-0.00263	PASS
					20	-5.79	-0.00226	PASS
					30	-0.89	-0.00035	PASS
					40	-6.39	-0.00249	PASS
					50	-4.72	-0.00184	PASS
		10	LCH	VN	-30	1.44	0.00057	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-2.1	-0.00084	PASS
					-10	0.47	0.00019	PASS
					0	1.82	0.00073	PASS
					10	3.03	0.00121	PASS
					20	2.33	0.00093	PASS
					30	0.47	0.00019	PASS
					40	0.1	0.00004	PASS
					50	0.31	0.00012	PASS
			MCH	VN	-30	-3.13	-0.00123	PASS
					-20	-0.03	-0.00001	PASS
					-10	-4.81	-0.0019	PASS
					0	1.19	0.00047	PASS
					10	-4.46	-0.00176	PASS
					20	-1.54	-0.00061	PASS
					30	-0.26	-0.0001	PASS
					40	-1.65	-0.00065	PASS
					50	-1.99	-0.00079	PASS
			HCH	VN	-30	-3.18	-0.00124	PASS
					-20	-2.55	-0.00099	PASS
					-10	-3.28	-0.00128	PASS
					0	-3.75	-0.00146	PASS
					10	-5.44	-0.00212	PASS
					20	-3.53	-0.00138	PASS
					30	-3.36	-0.00131	PASS
					40	-3.09	-0.0012	PASS
					50	-5.09	-0.00198	PASS
		15	LCH	VN	-30	-0.63	-0.00025	PASS
					-20	1.93	0.00077	PASS
					-10	-0.49	-0.0002	PASS
					0	3.13	0.00125	PASS
					10	-1.44	-0.00057	PASS
					20	1.32	0.00053	PASS
					30	0.36	0.00014	PASS
					40	-0.24	-0.0001	PASS
					50	4.18	0.00167	PASS
			MCH	VN	-30	0.54	0.00021	PASS
					-20	-5.32	-0.0021	PASS
					-10	-1.8	-0.00071	PASS
					0	-6.75	-0.00266	PASS

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

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				40	0.2	0.00008	PASS
					50	-0.3	-0.00012	PASS
		5	LCH	VN	-30	2.45	0.00098	PASS
					-20	2.02	0.00081	PASS
					-10	3.58	0.00143	PASS
					0	5.72	0.00229	PASS
					10	2.16	0.00086	PASS
					20	6.95	0.00278	PASS
					30	5.44	0.00217	PASS
					40	-1.96	-0.00078	PASS
					50	7.38	0.00295	PASS
			MCH	VN	-30	-3.78	-0.00149	PASS
					-20	0.13	0.00005	PASS
					-10	1.7	0.00067	PASS
					0	0.16	0.00006	PASS
					10	-1.09	-0.00043	PASS
					20	-2.02	-0.0008	PASS
					30	-2.29	-0.0009	PASS
					40	-0.14	-0.00006	PASS
					50	-3.63	-0.00143	PASS
			HCH	VN	-30	-1.42	-0.00055	PASS
					-20	-5.42	-0.00211	PASS
					-10	-3.13	-0.00122	PASS
					0	-4.13	-0.00161	PASS
					10	-3.48	-0.00136	PASS
					20	-2.99	-0.00116	PASS
					30	-3.3	-0.00129	PASS
					40	-1.29	-0.0005	PASS
					50	0.19	0.00007	PASS
		10	LCH	VN	-30	-5.36	-0.00214	PASS
					-20	5.11	0.00204	PASS
					-10	7.07	0.00282	PASS
					0	5.02	0.002	PASS
					10	-6.62	-0.00264	PASS
					20	-0.06	-0.00002	PASS
					30	1.19	0.00048	PASS
					40	-2.49	-0.00099	PASS
					50	1.03	0.00041	PASS
			MCH	VN	-30	-1.75	-0.00069	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-1.7	-0.00067	PASS
					-10	0.34	0.00013	PASS
					0	0.73	0.00029	PASS
					10	-1.9	-0.00075	PASS
					20	-2.43	-0.00096	PASS
					30	2.78	0.0011	PASS
					40	-1.29	-0.00051	PASS
					50	2.06	0.00081	PASS
			HCH	VN	-30	-3.35	-0.00131	PASS
					-20	-3.63	-0.00142	PASS
					-10	-0.54	-0.00021	PASS
					0	1.26	0.00049	PASS
					10	-0.39	-0.00015	PASS
					20	-4.11	-0.0016	PASS
					30	0.4	0.00016	PASS
					40	-2.88	-0.00112	PASS
					50	-4.38	-0.00171	PASS
		15	LCH	VN	-30	-1	-0.0004	PASS
					-20	2.27	0.00091	PASS
					-10	1.27	0.00051	PASS
					0	6.35	0.00253	PASS
					10	-2.68	-0.00107	PASS
					20	2.72	0.00108	PASS
					30	8.17	0.00326	PASS
					40	1.5	0.0006	PASS
					50	1.54	0.00061	PASS
			MCH	VN	-30	0.24	0.00009	PASS
					-20	1.04	0.00041	PASS
					-10	-0.67	-0.00026	PASS
					0	-0.69	-0.00027	PASS
					10	-4.88	-0.00193	PASS
					20	1.33	0.00052	PASS
					30	2.32	0.00092	PASS
					40	-0.23	-0.00009	PASS
					50	-2.35	-0.00093	PASS
			HCH	VN	-30	-1.22	-0.00048	PASS
					-20	-5.95	-0.00232	PASS
					-10	-3.68	-0.00144	PASS
					0	-4.98	-0.00194	PASS

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

END