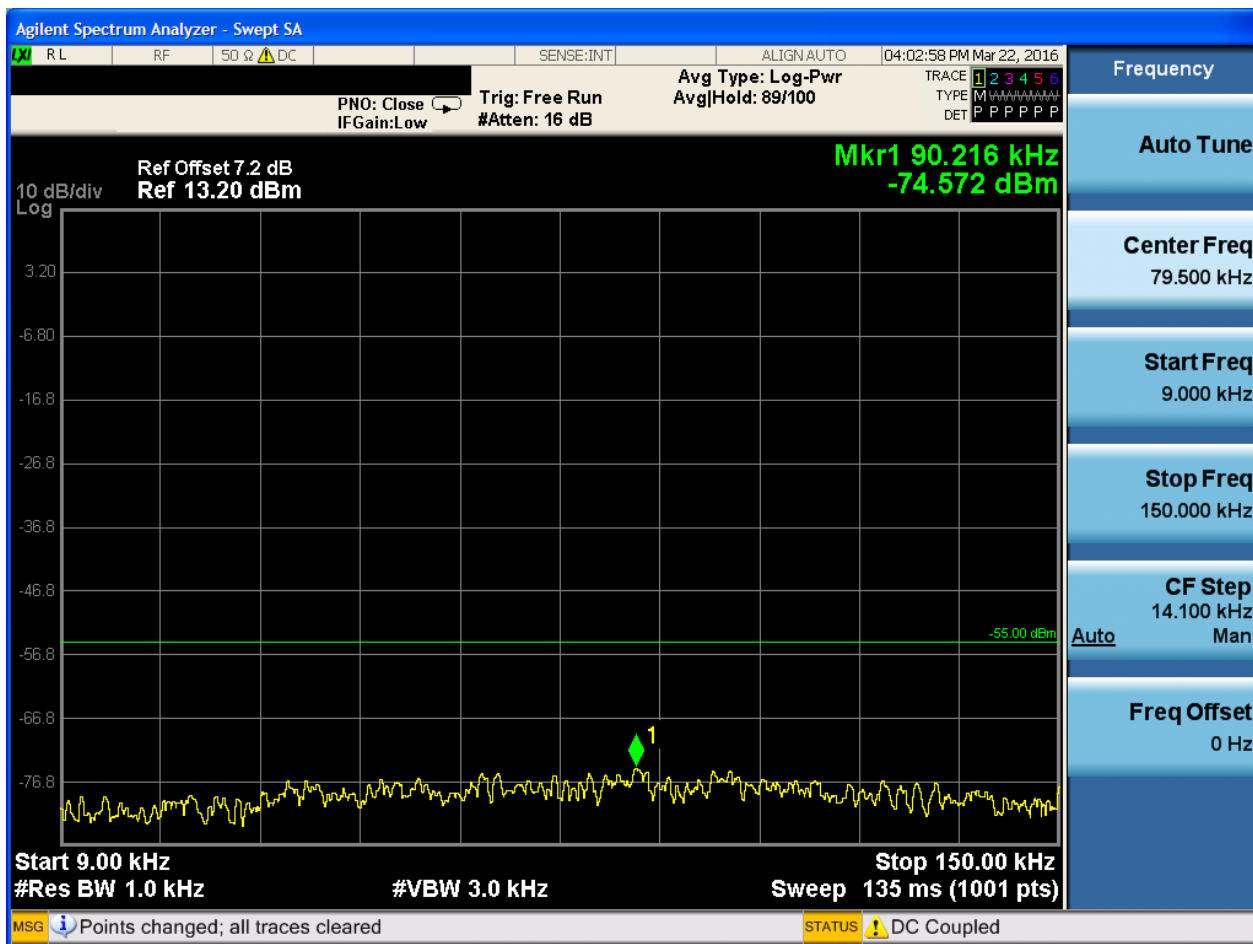


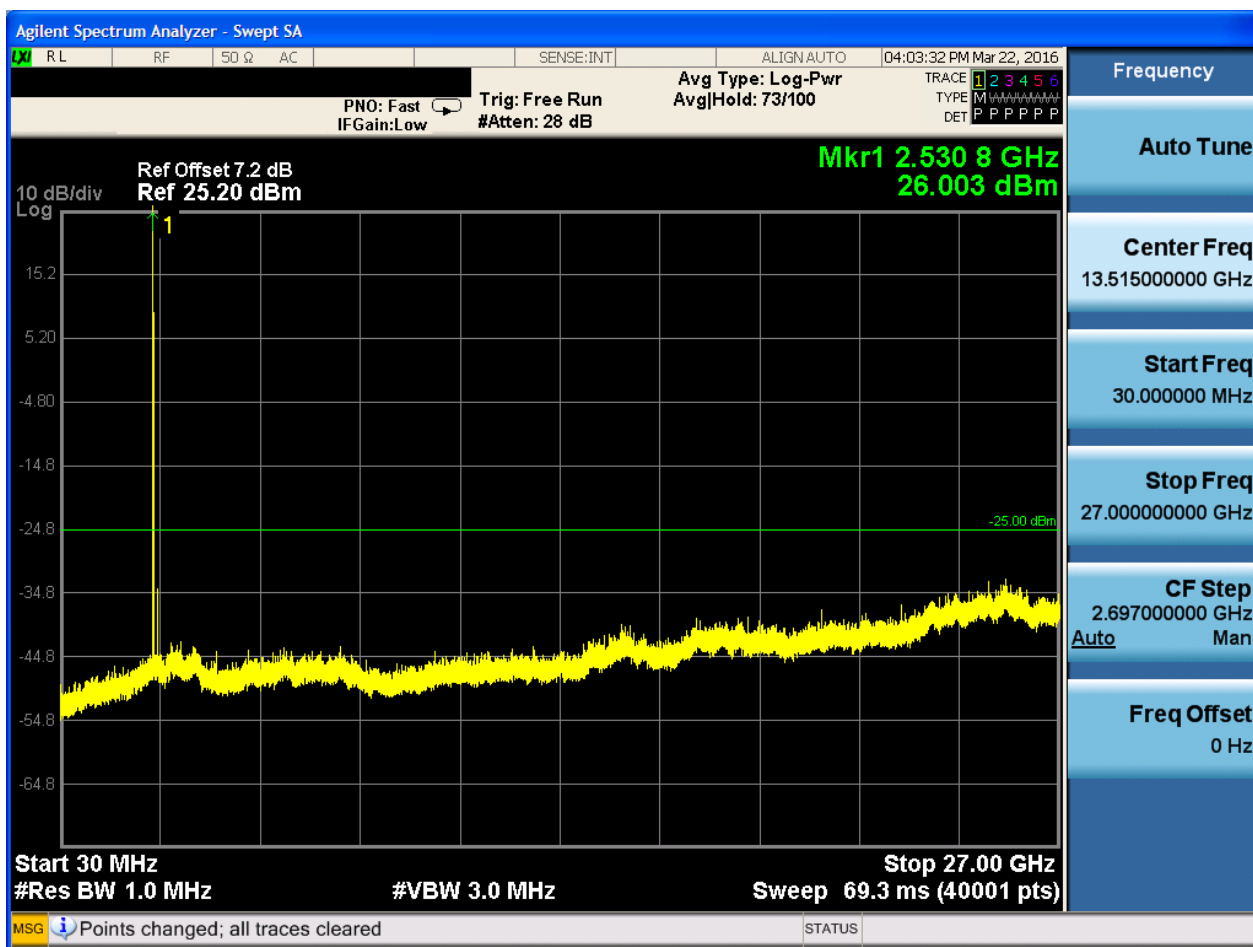


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

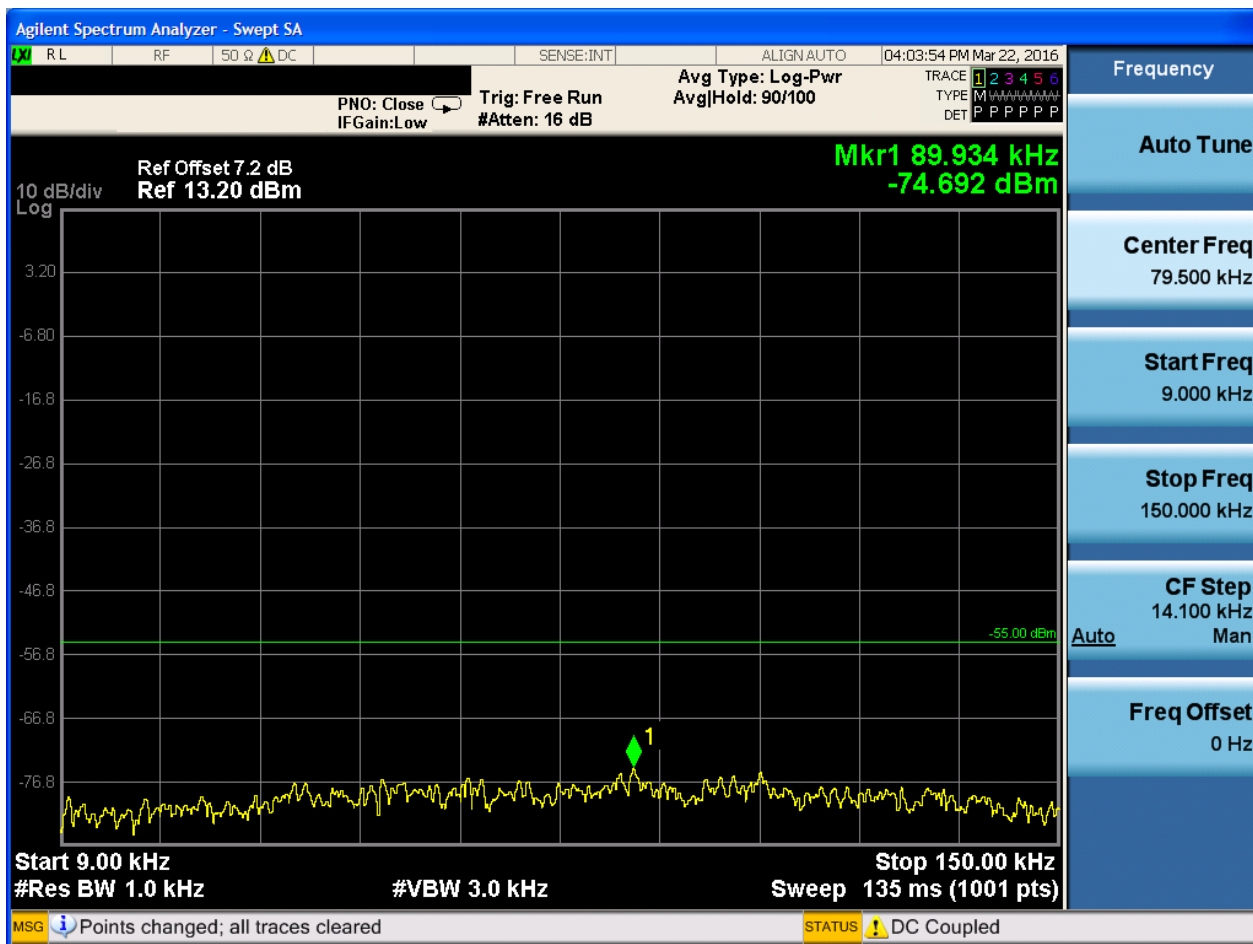


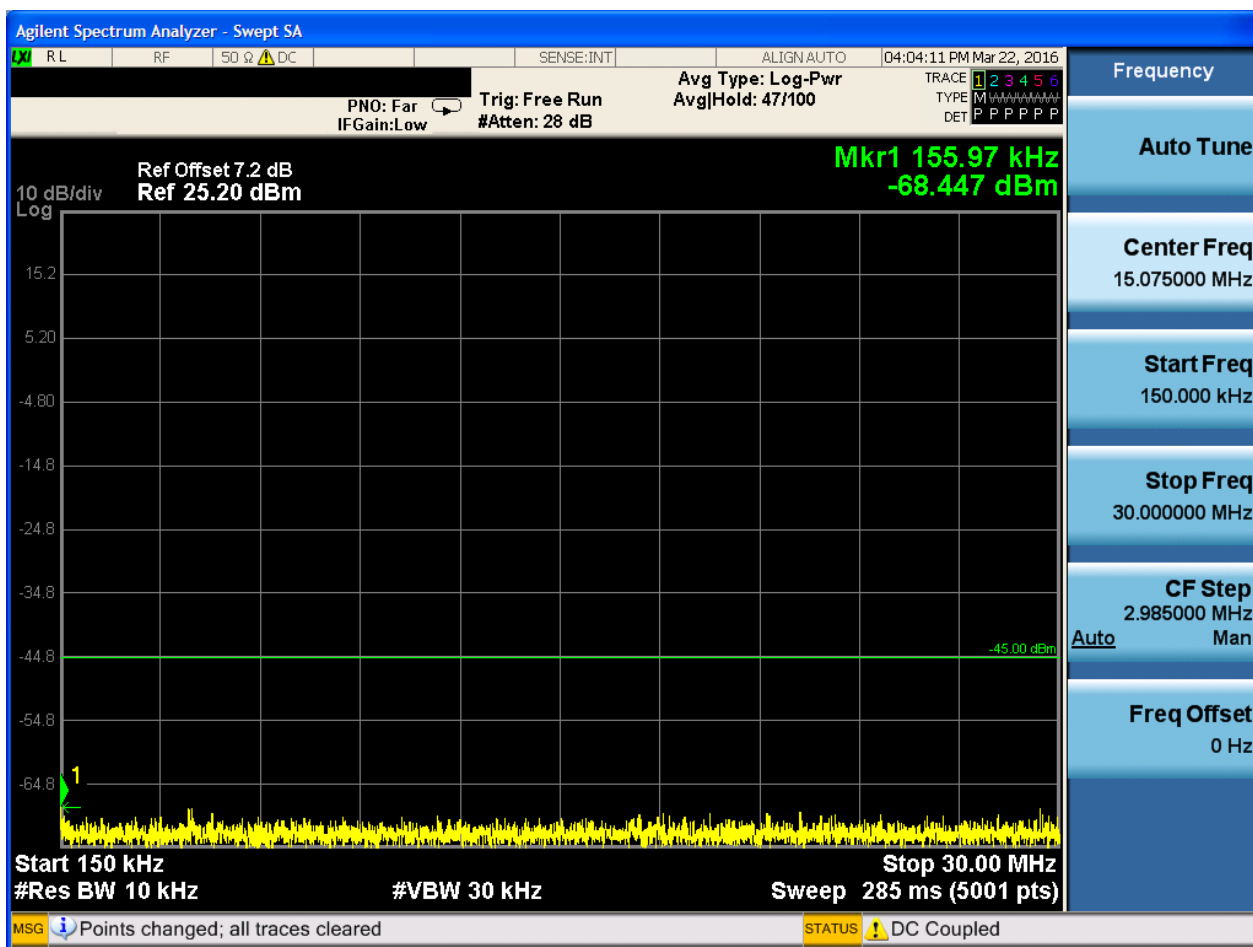


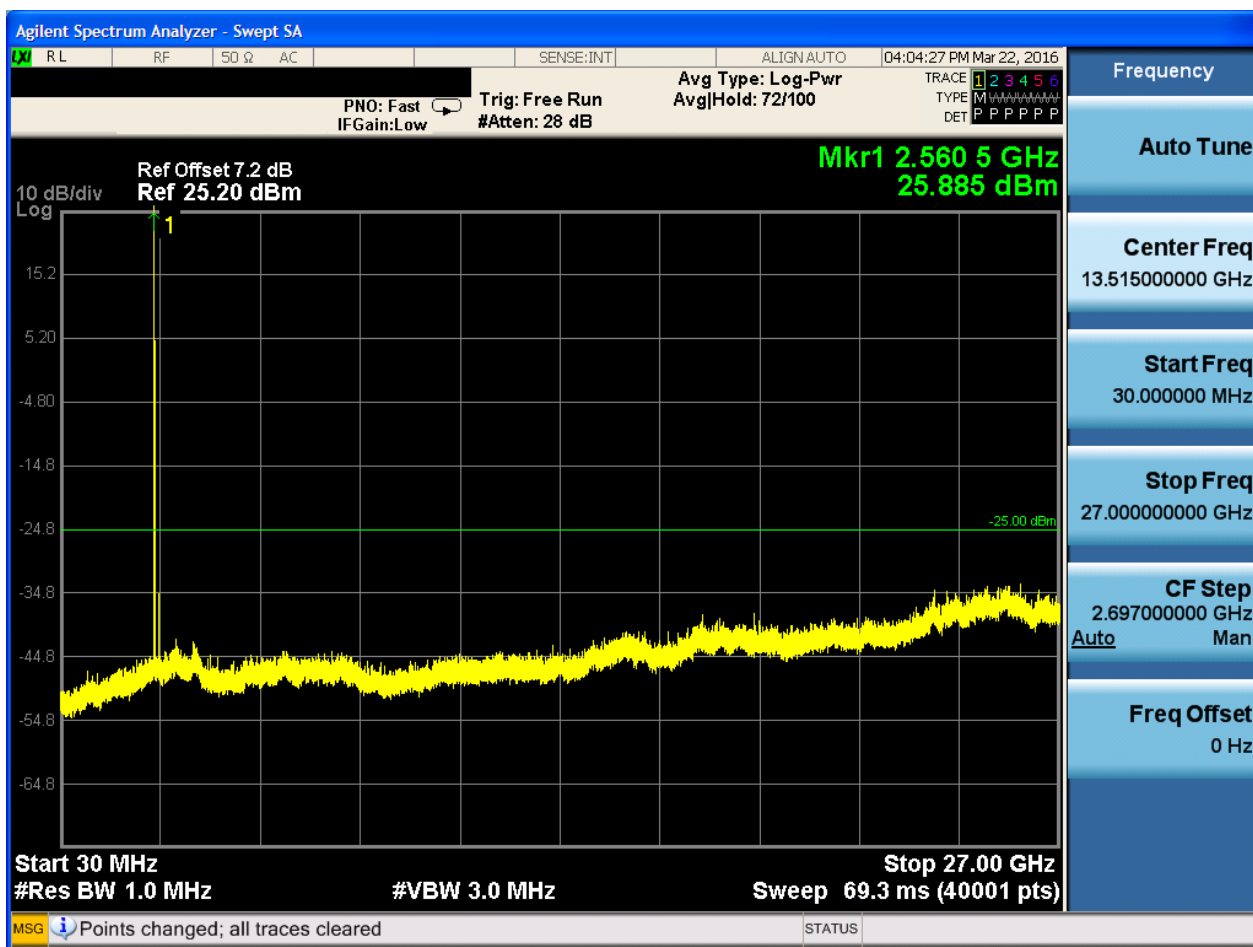


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0





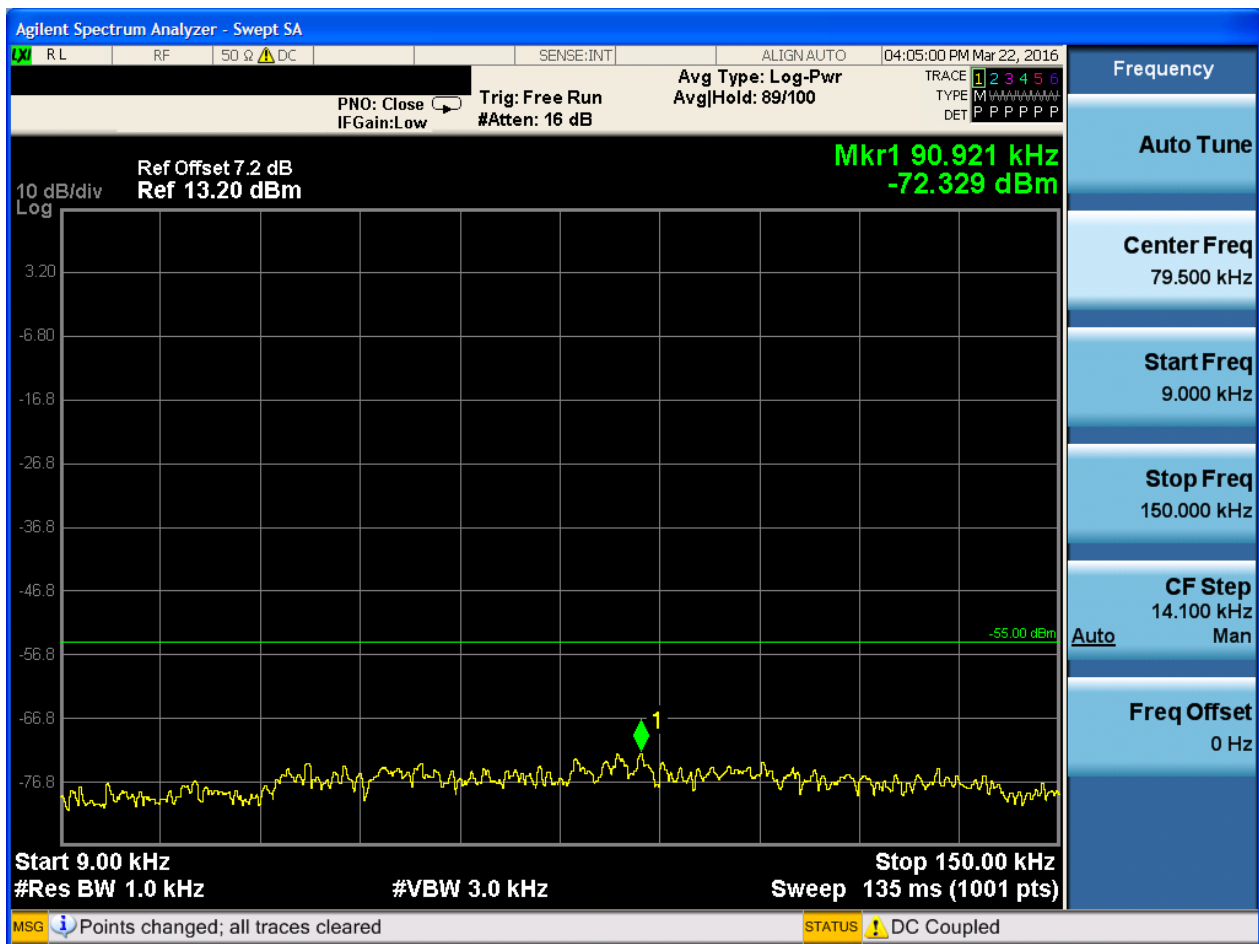




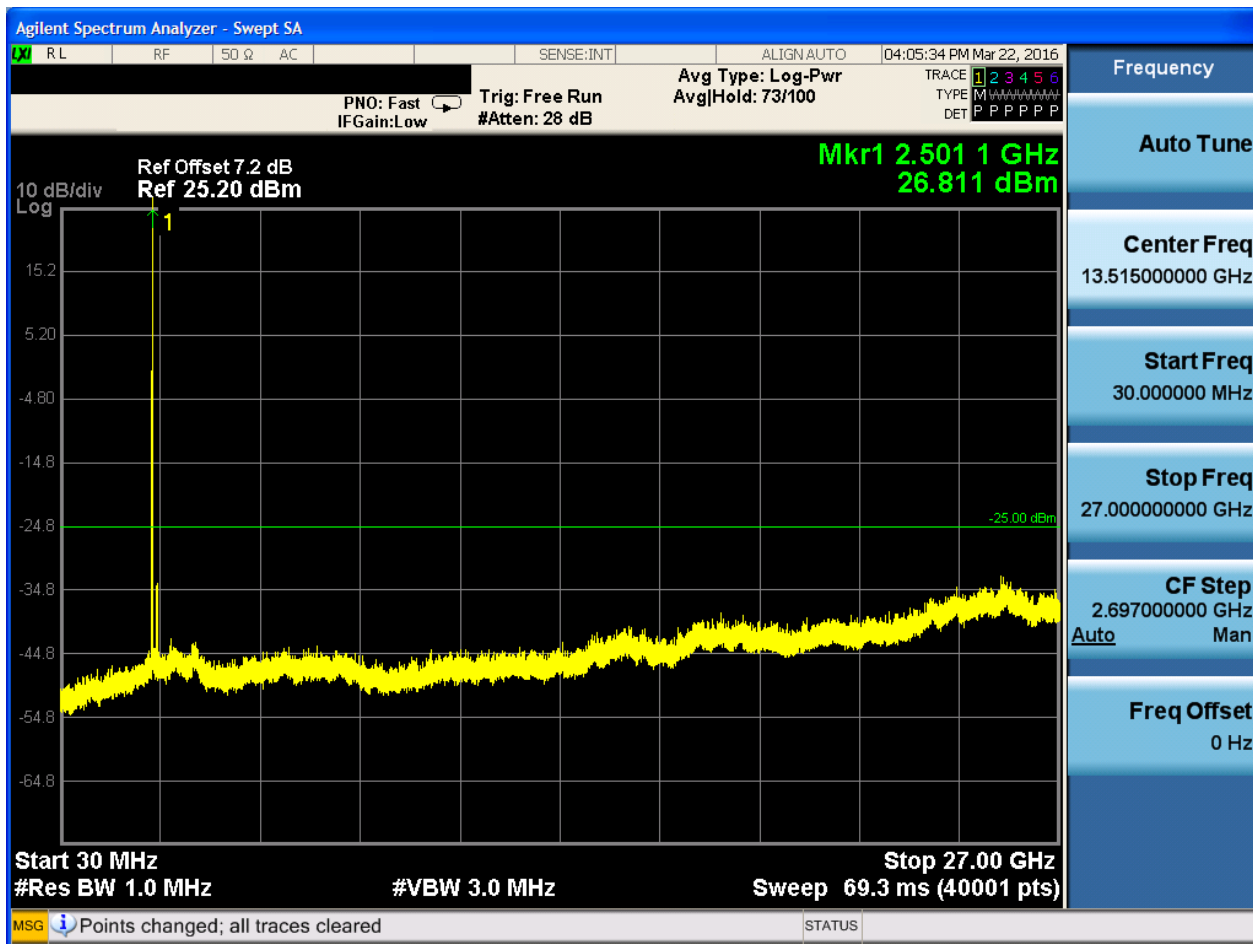
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

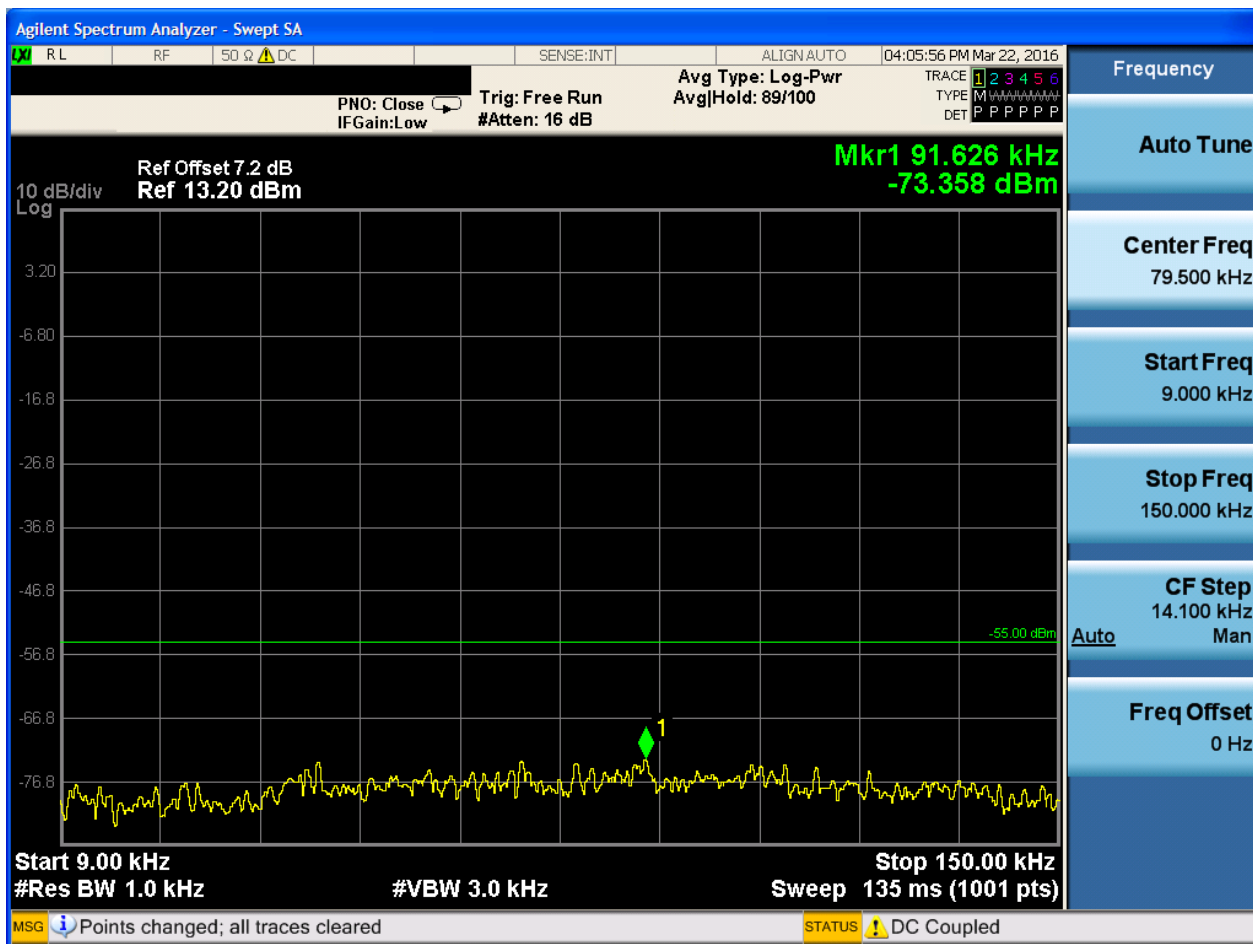


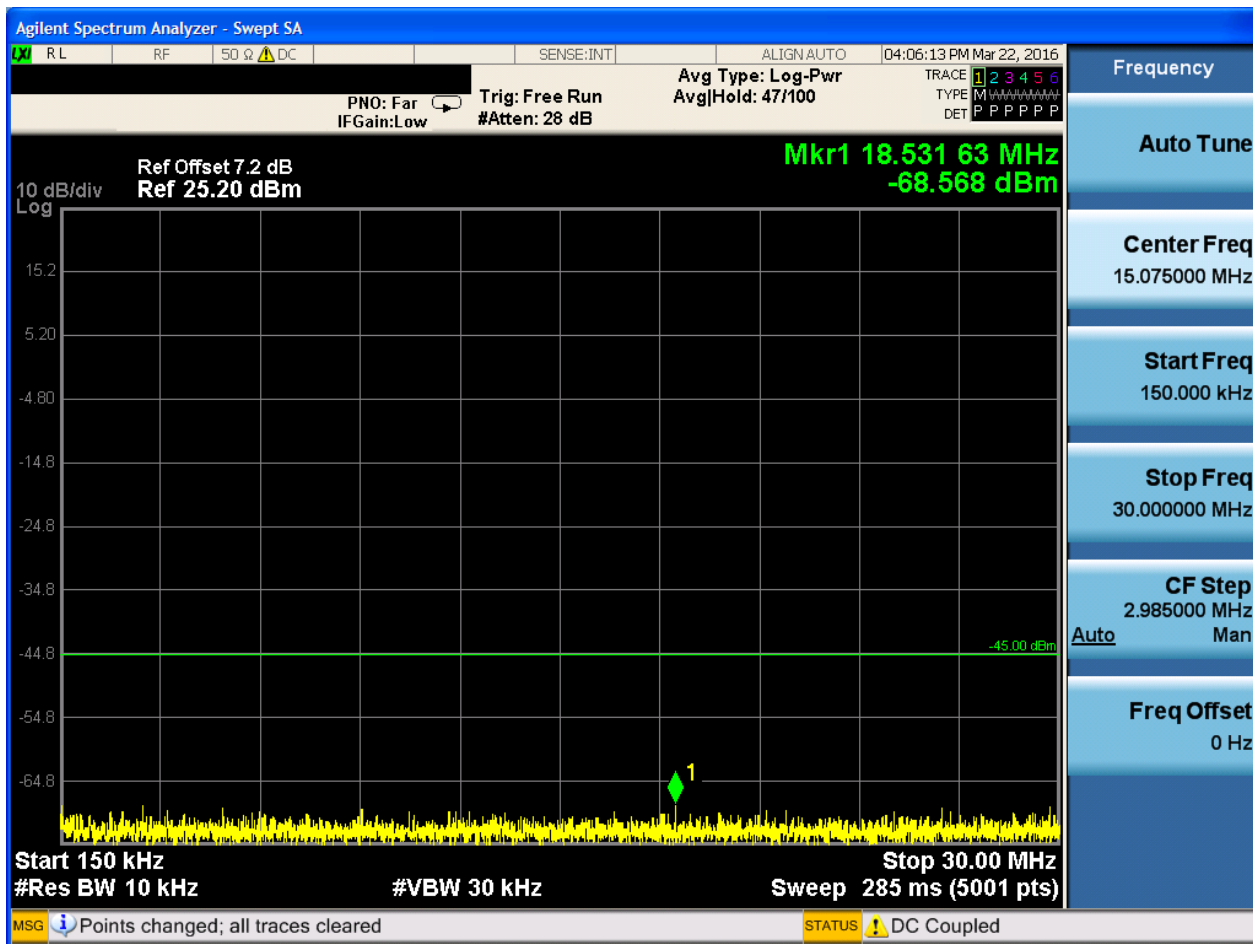


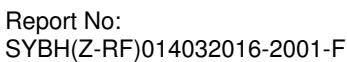


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

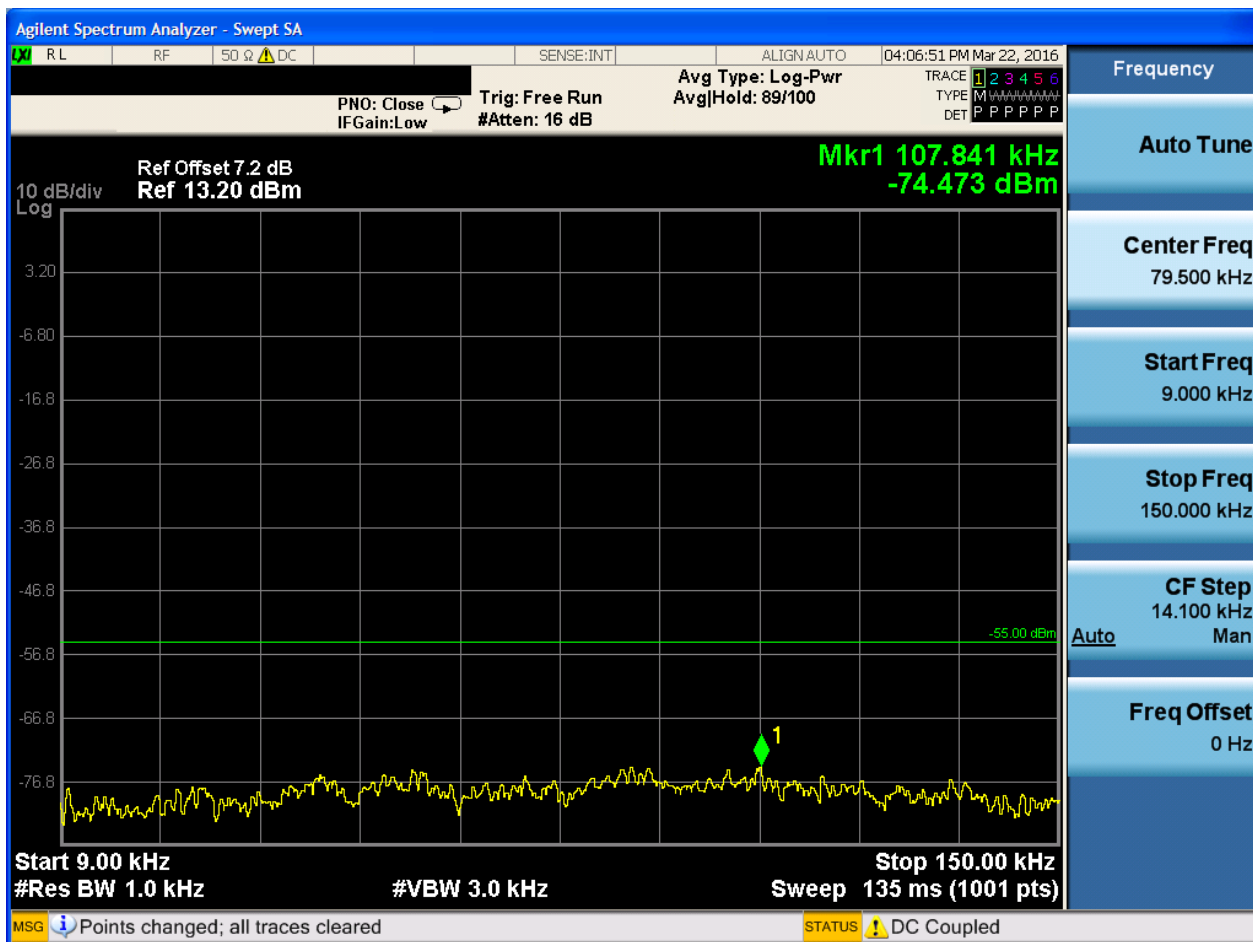


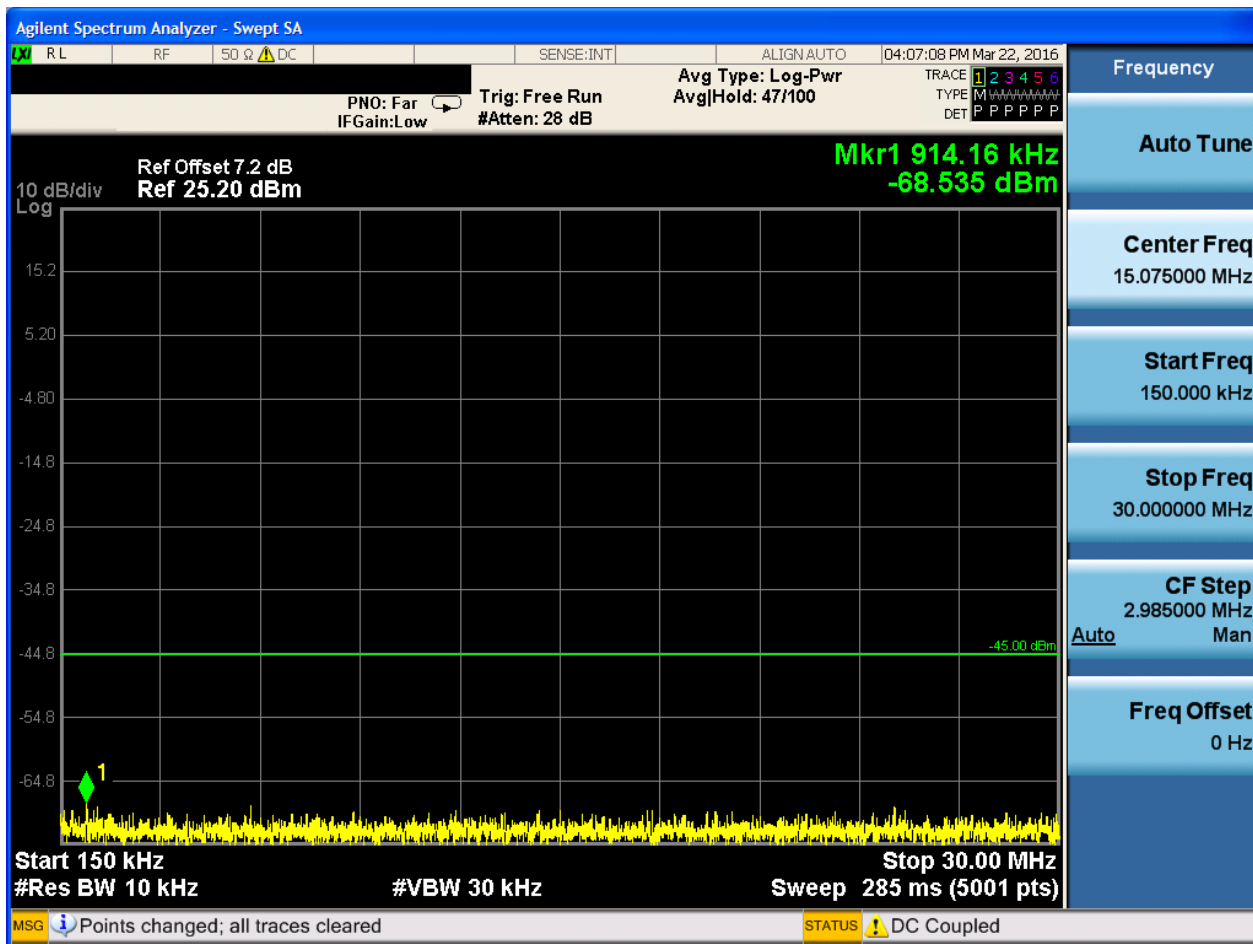


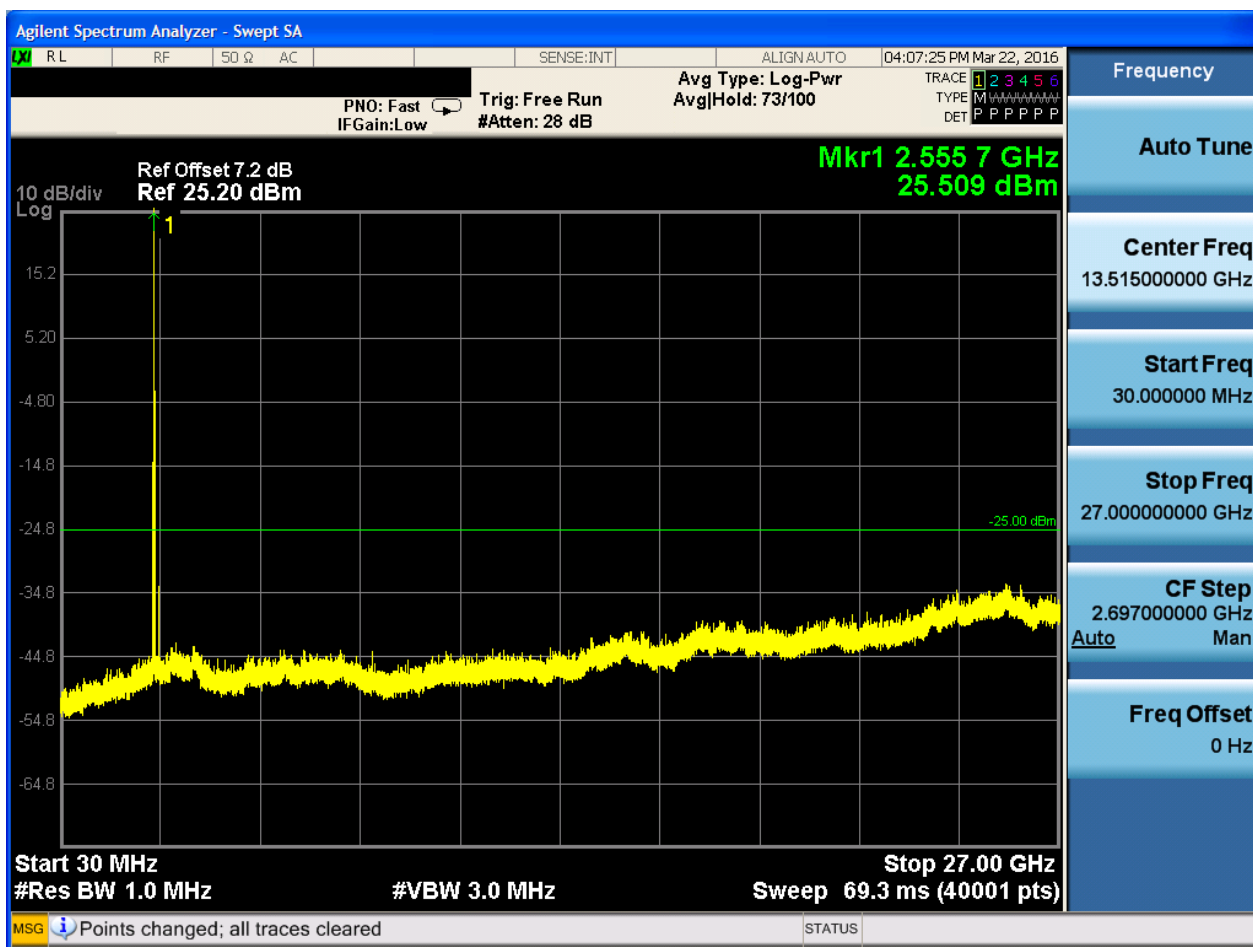


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



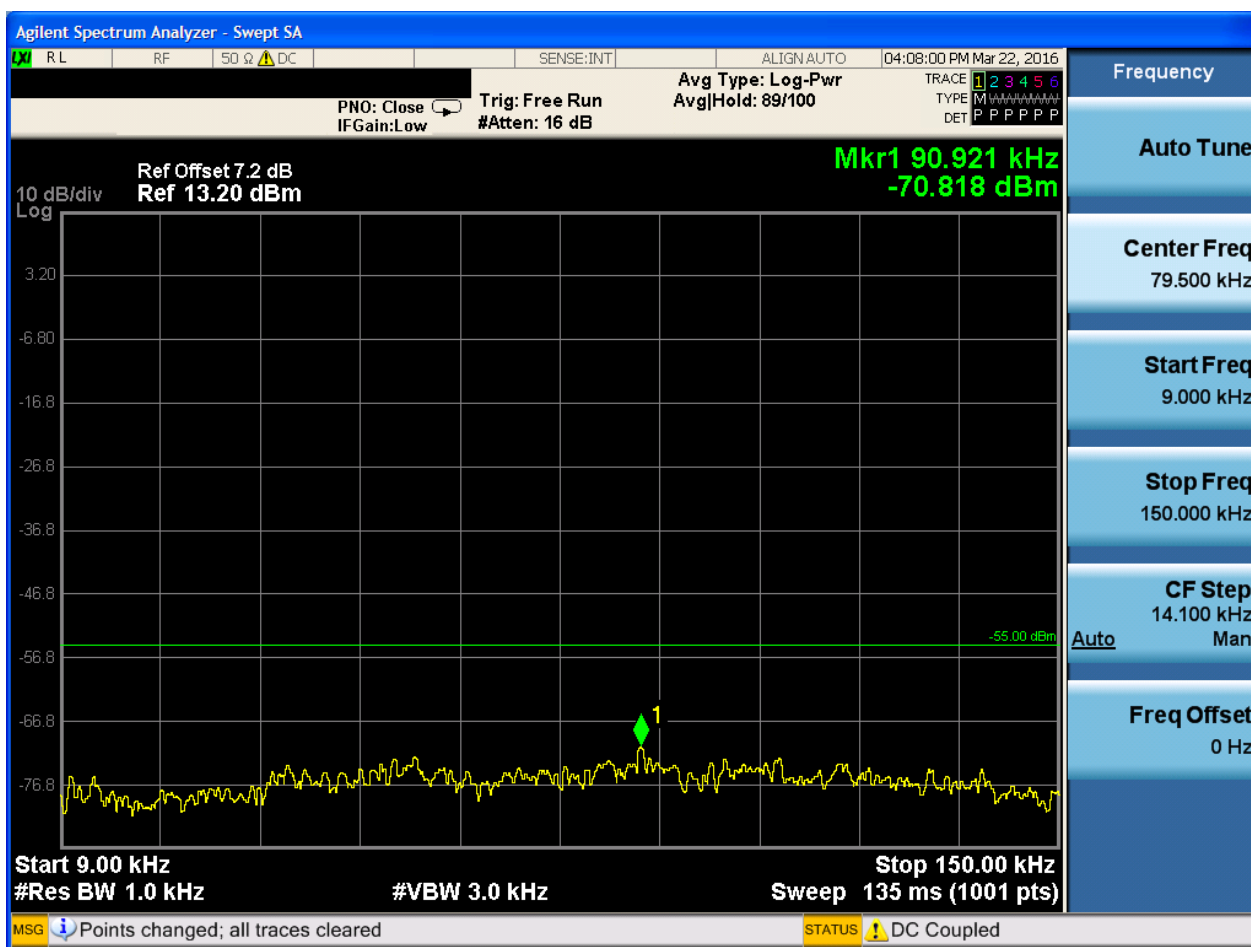


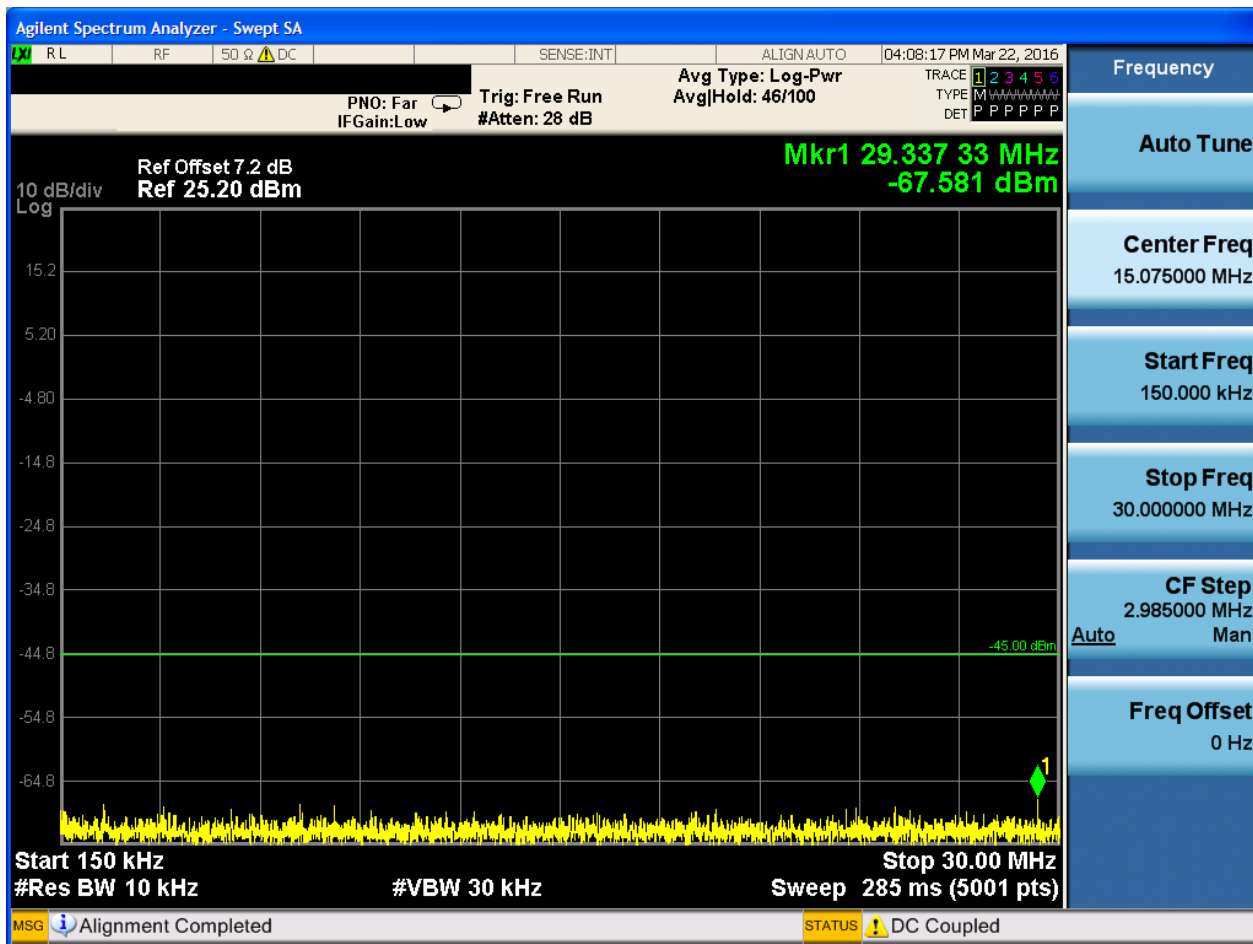


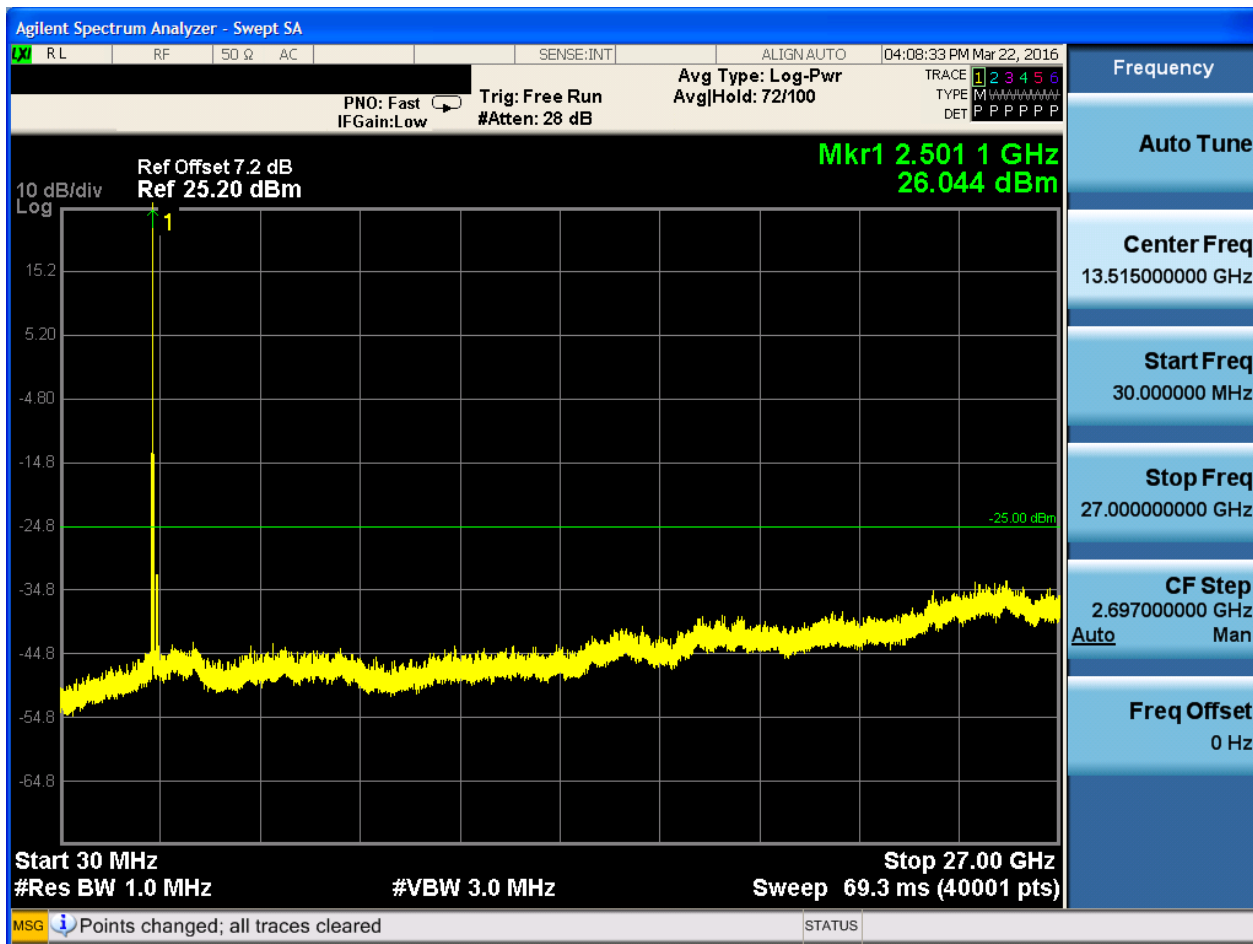
6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

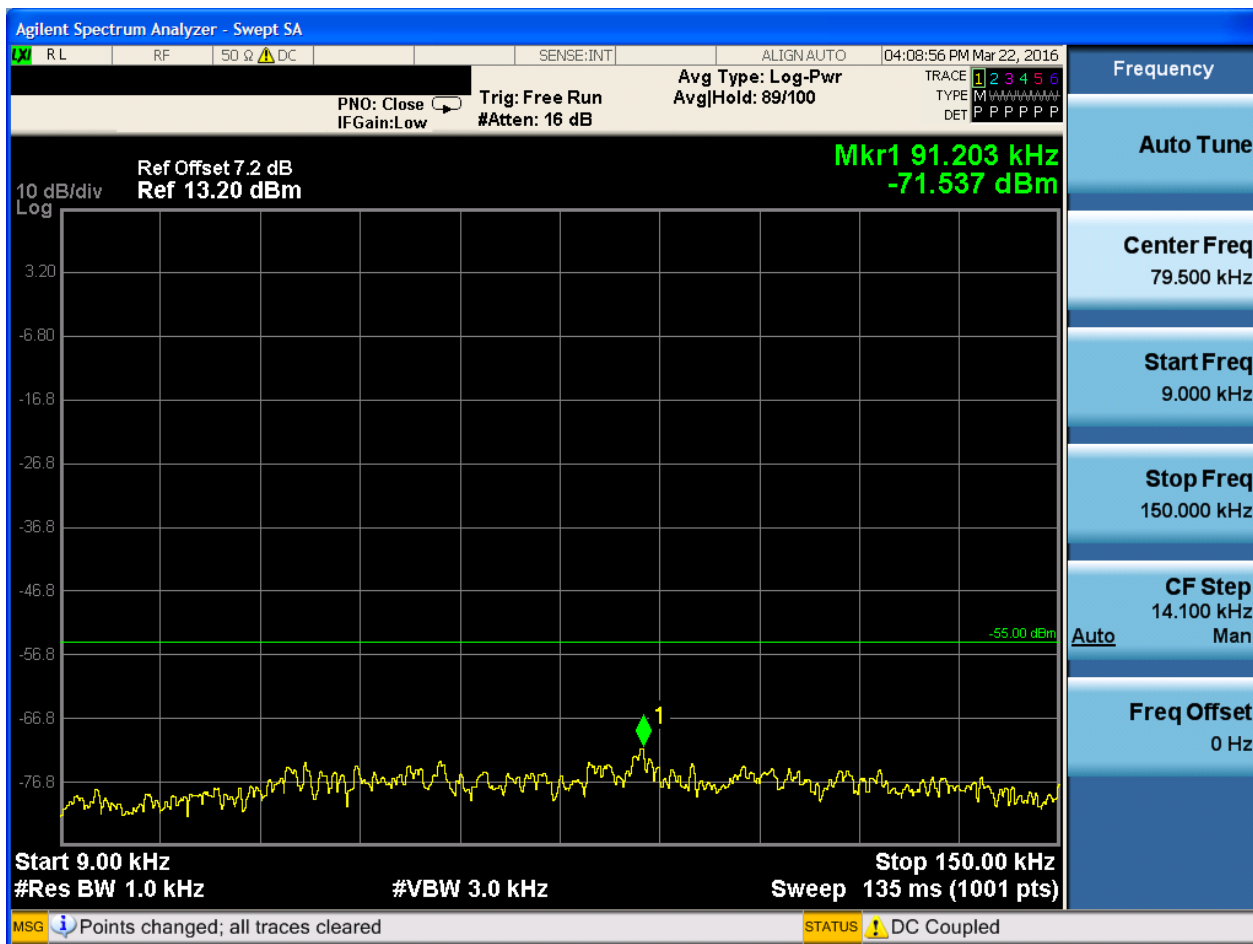






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

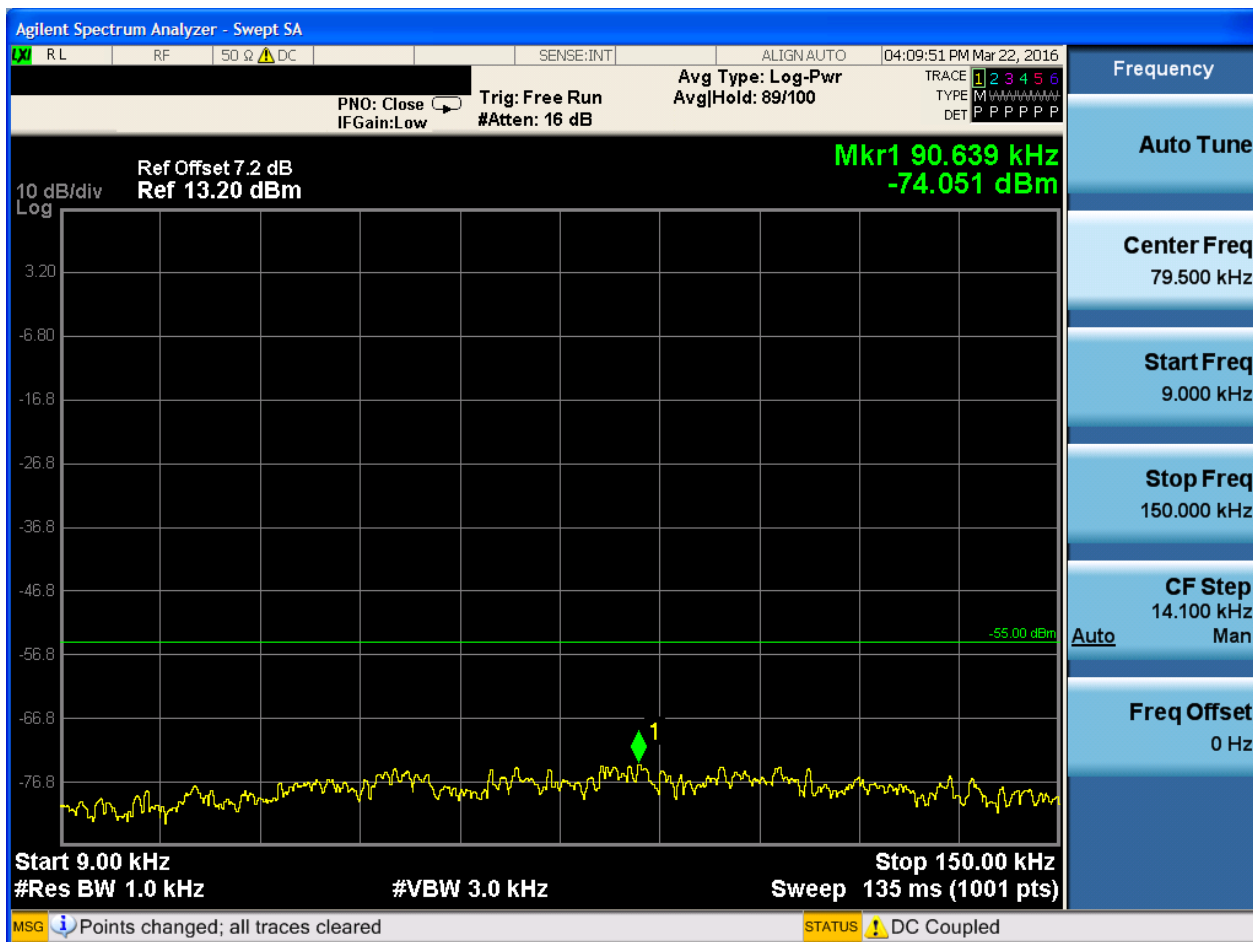




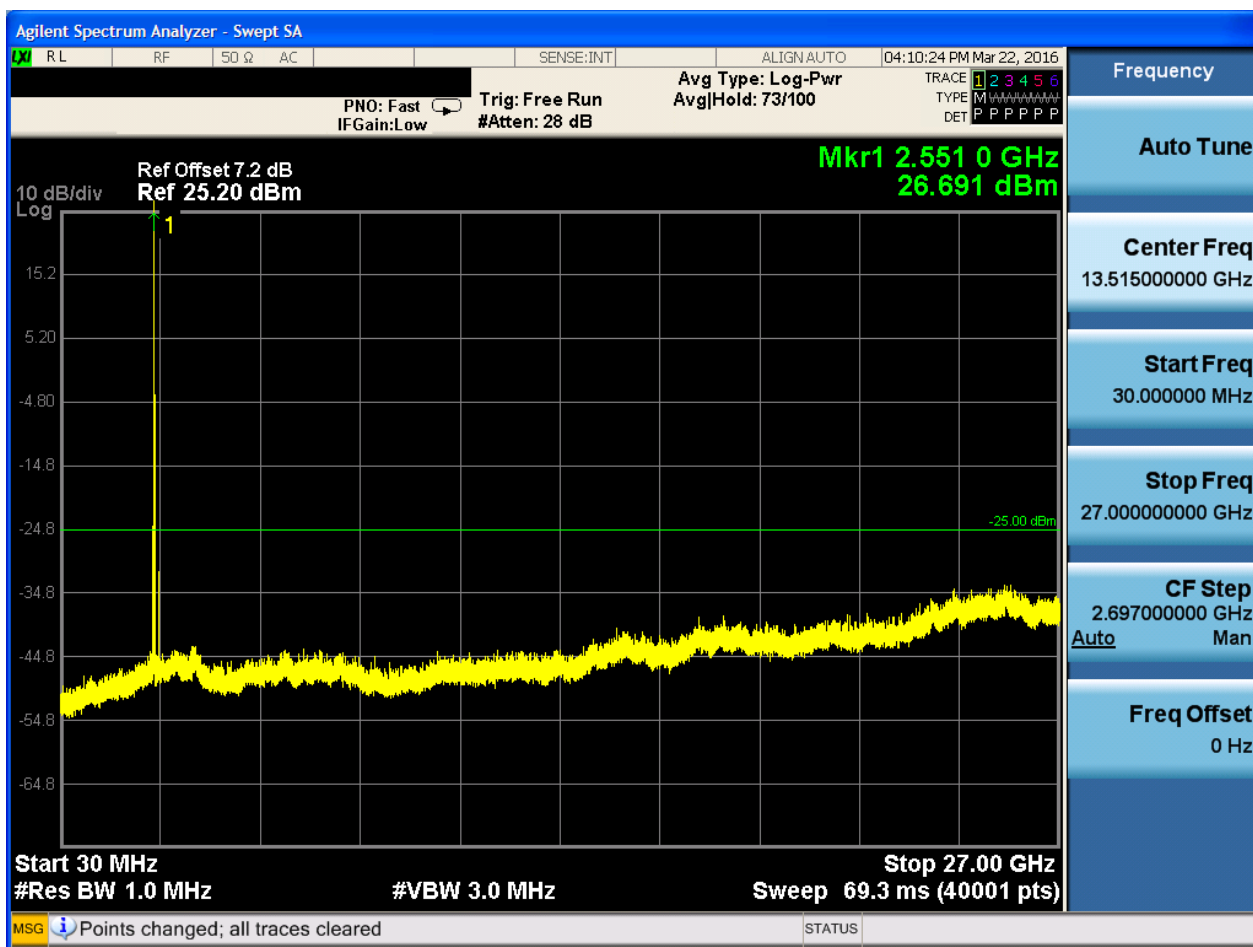


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







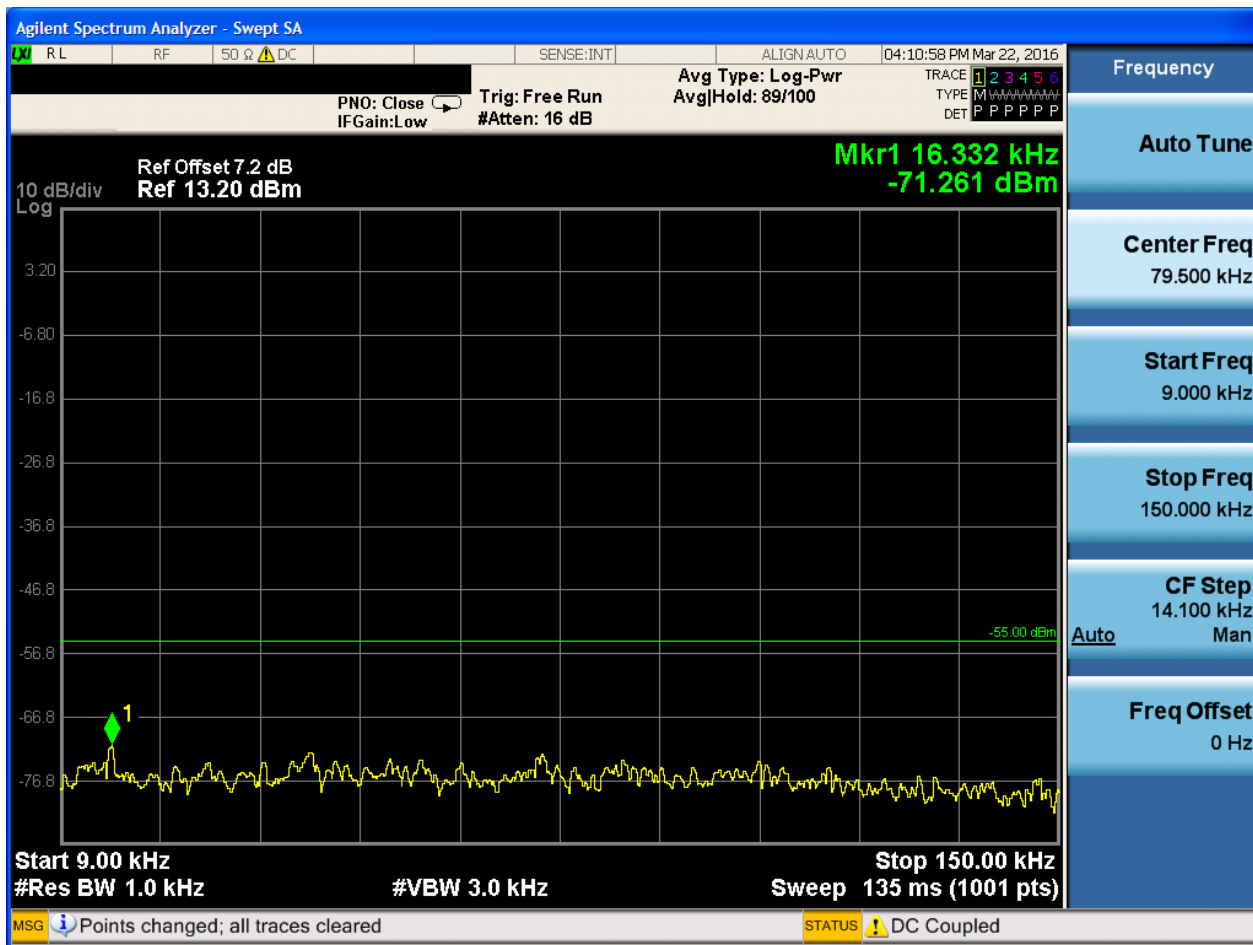


6.1.1.2 Test Mode = LTE/TM2

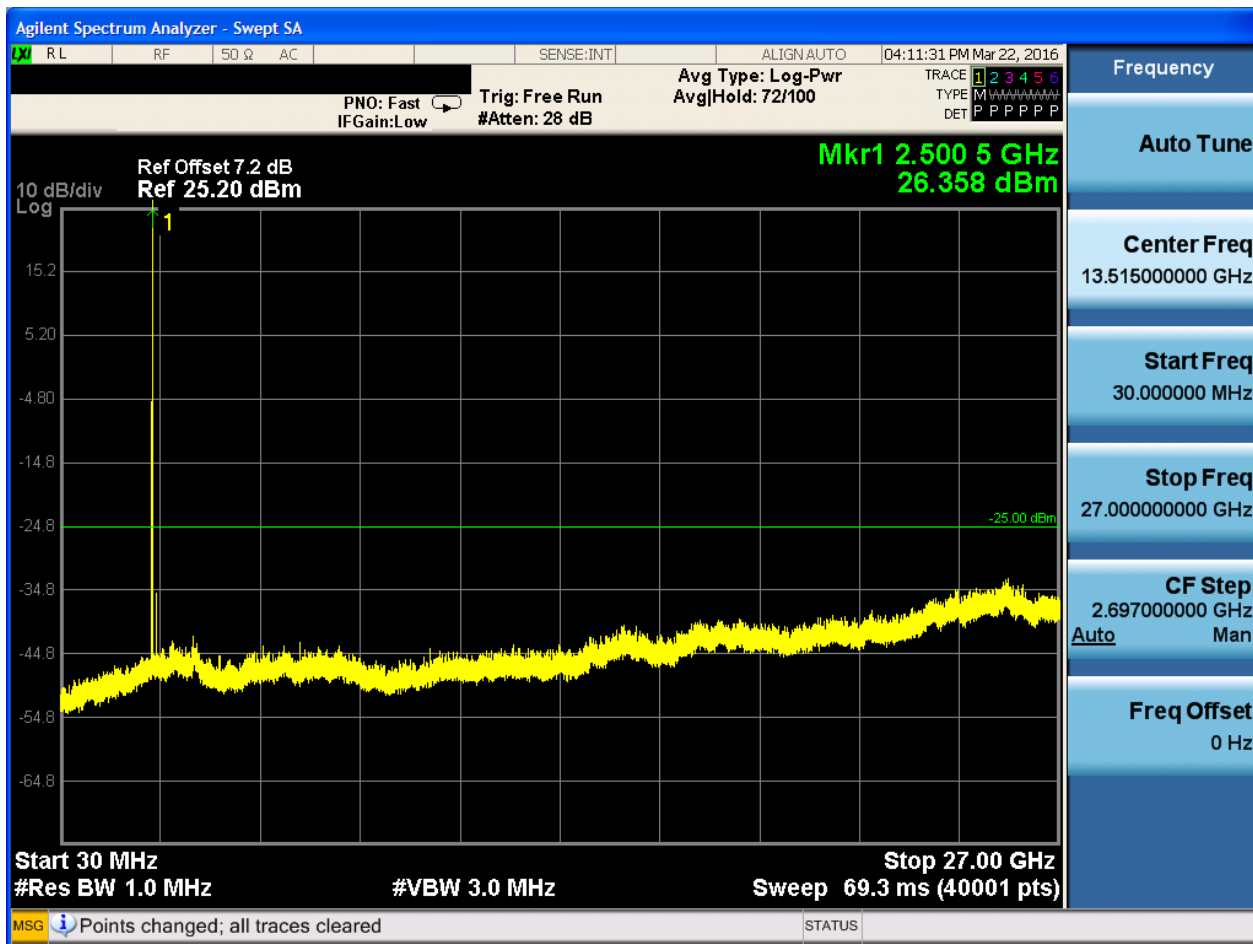
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



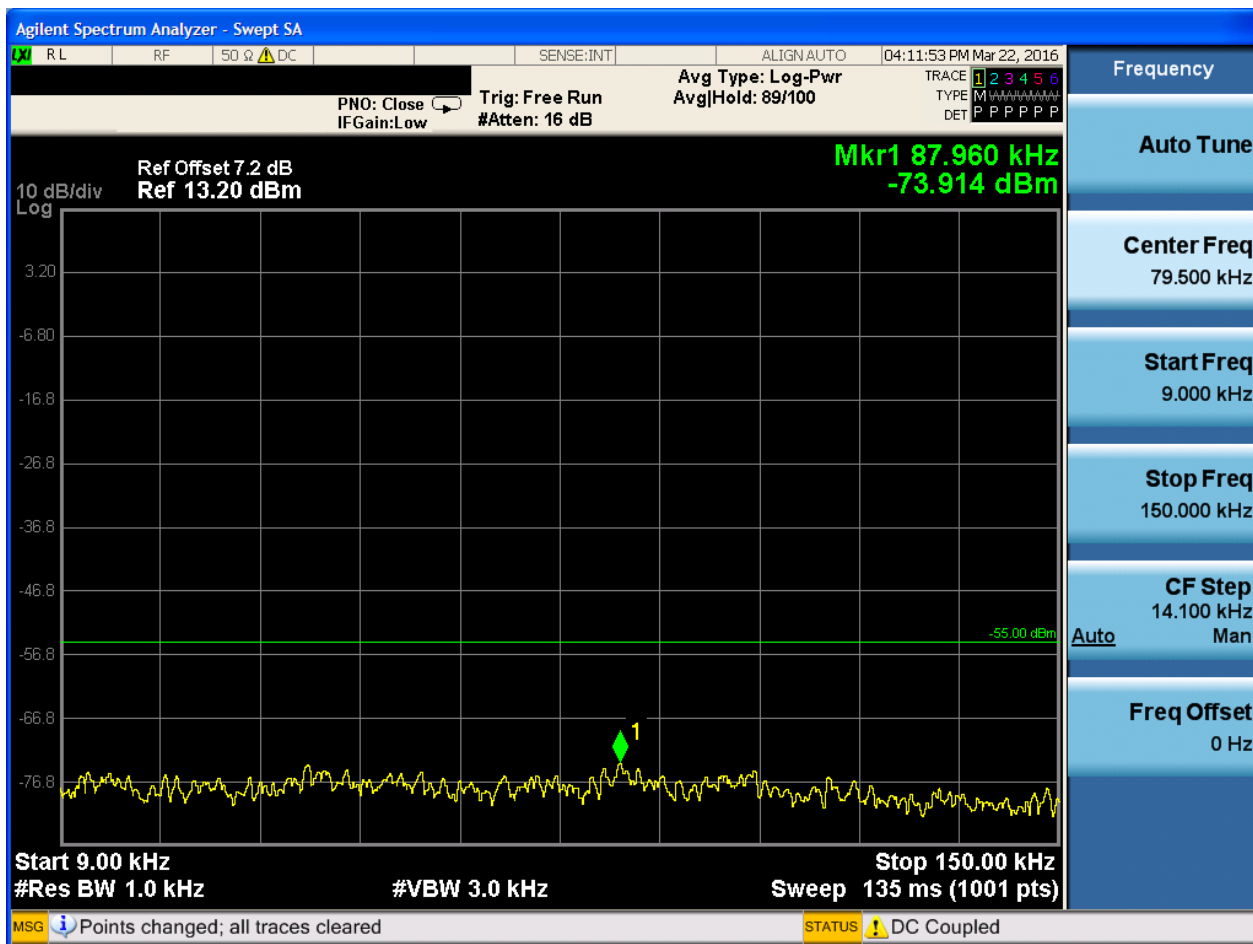


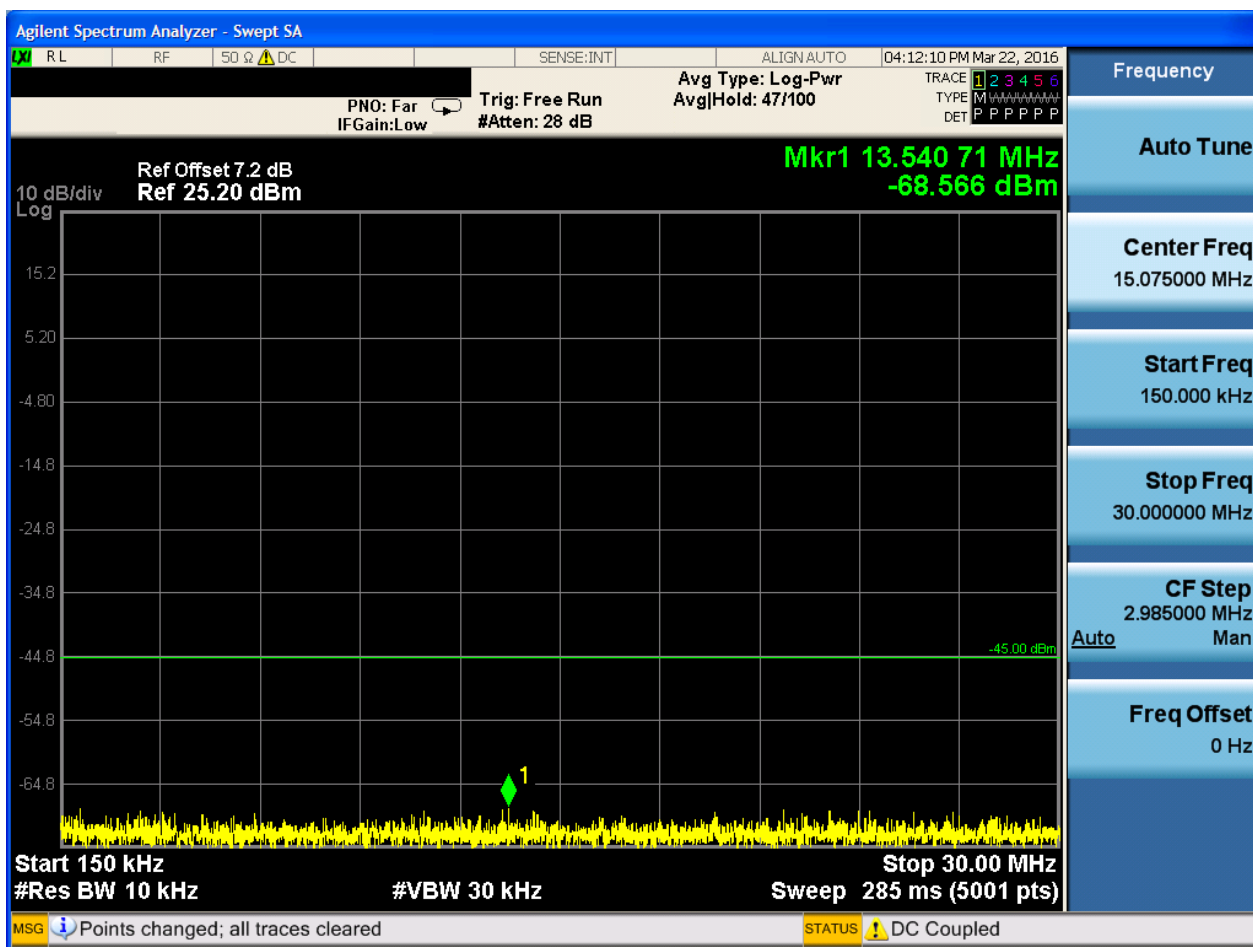


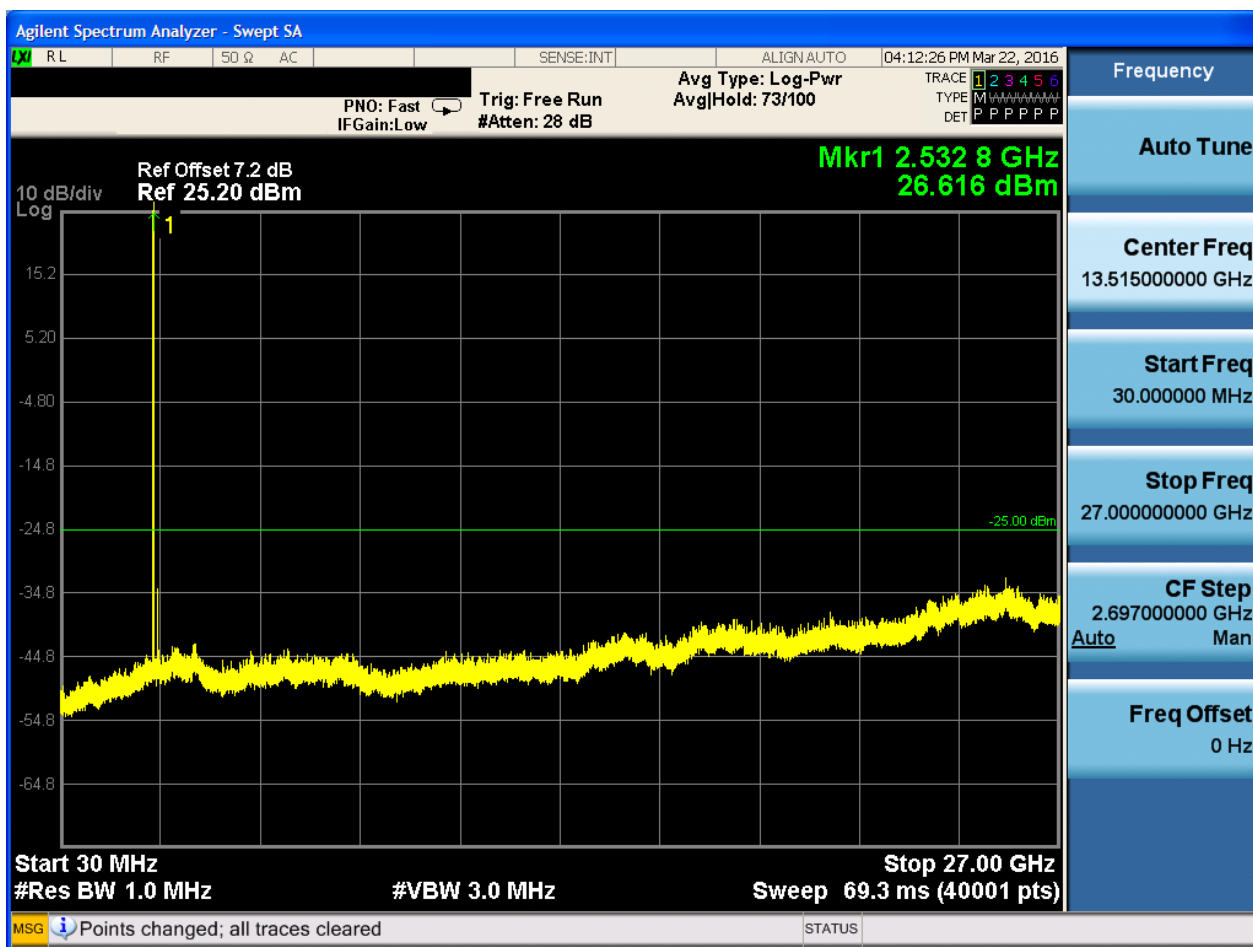


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



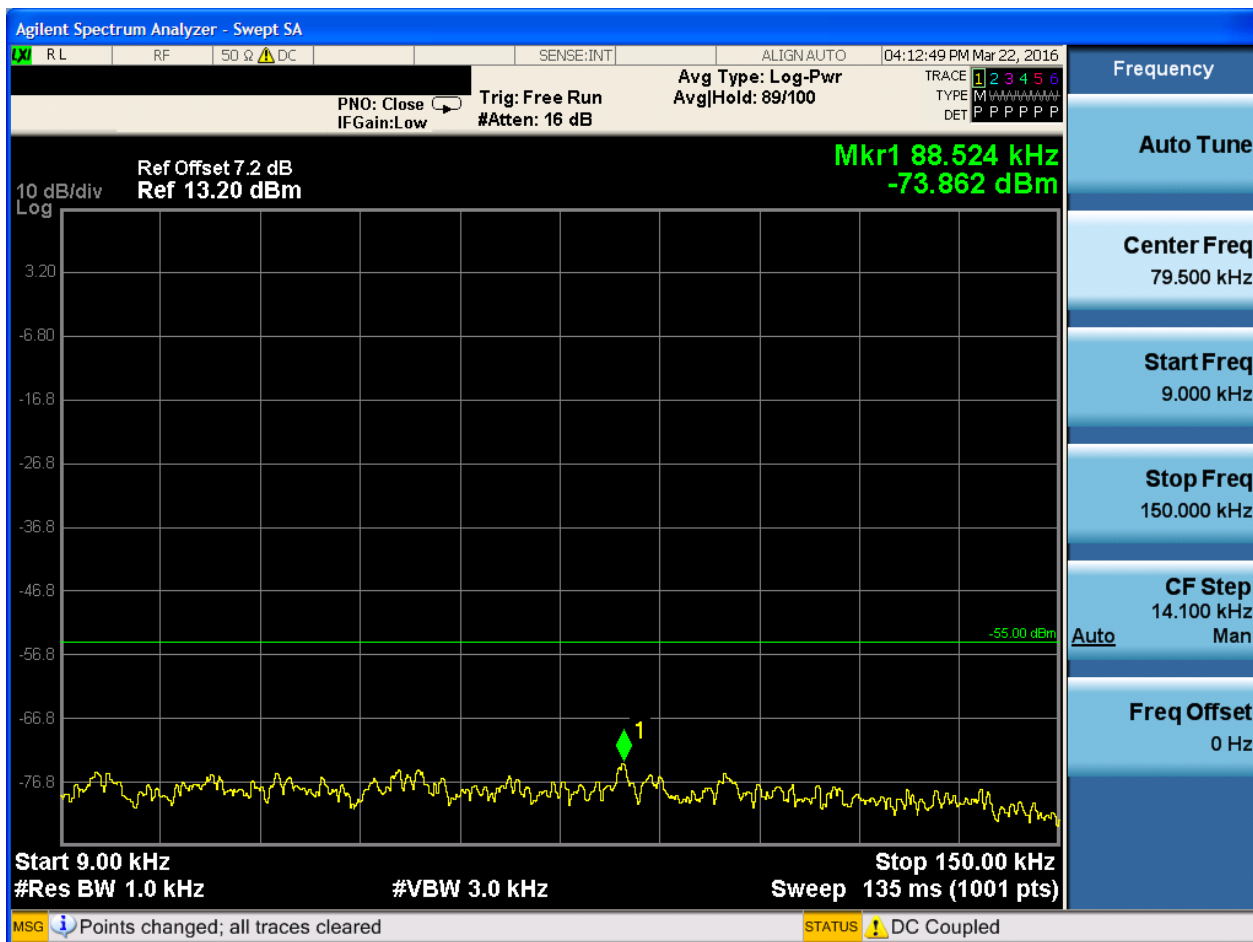




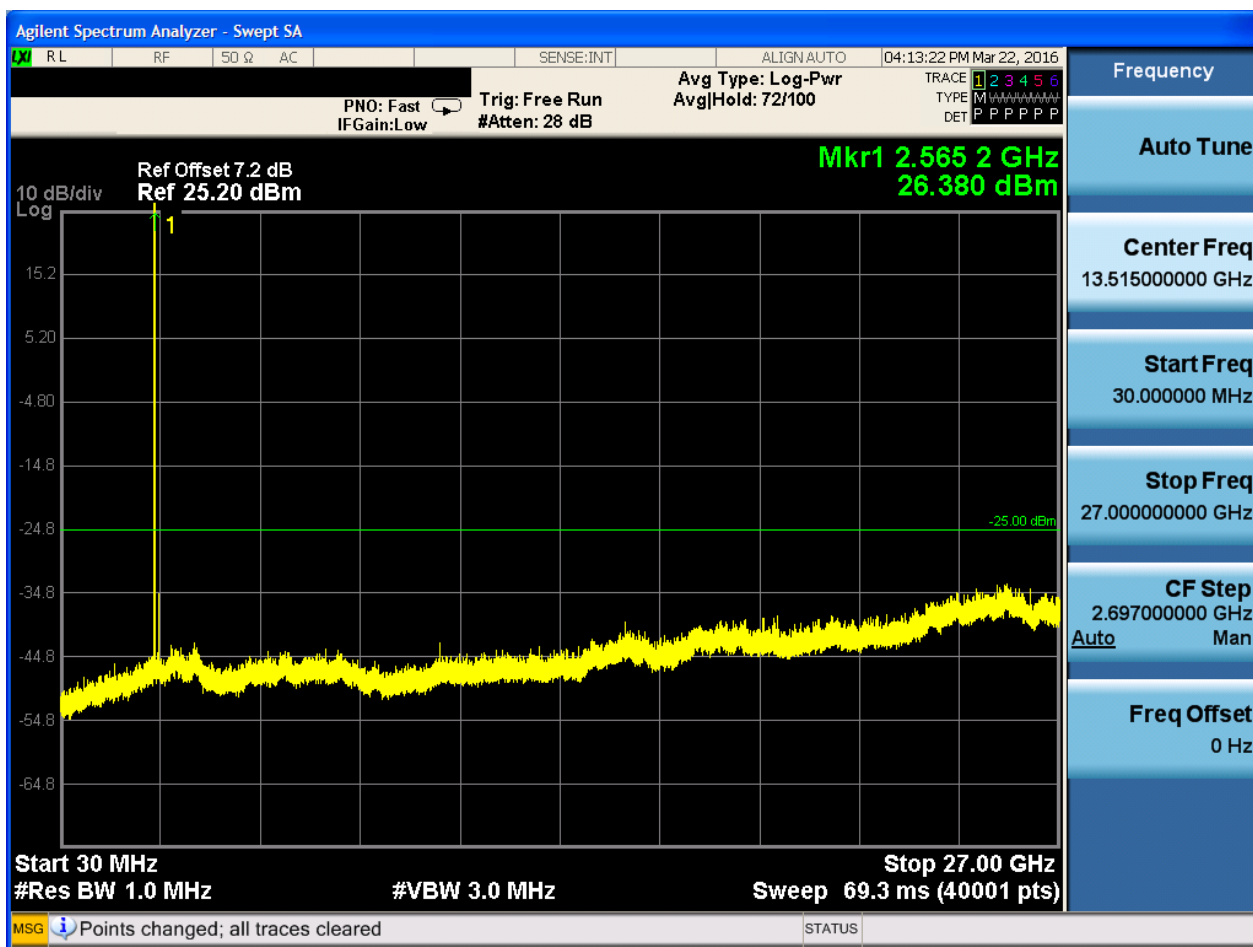


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



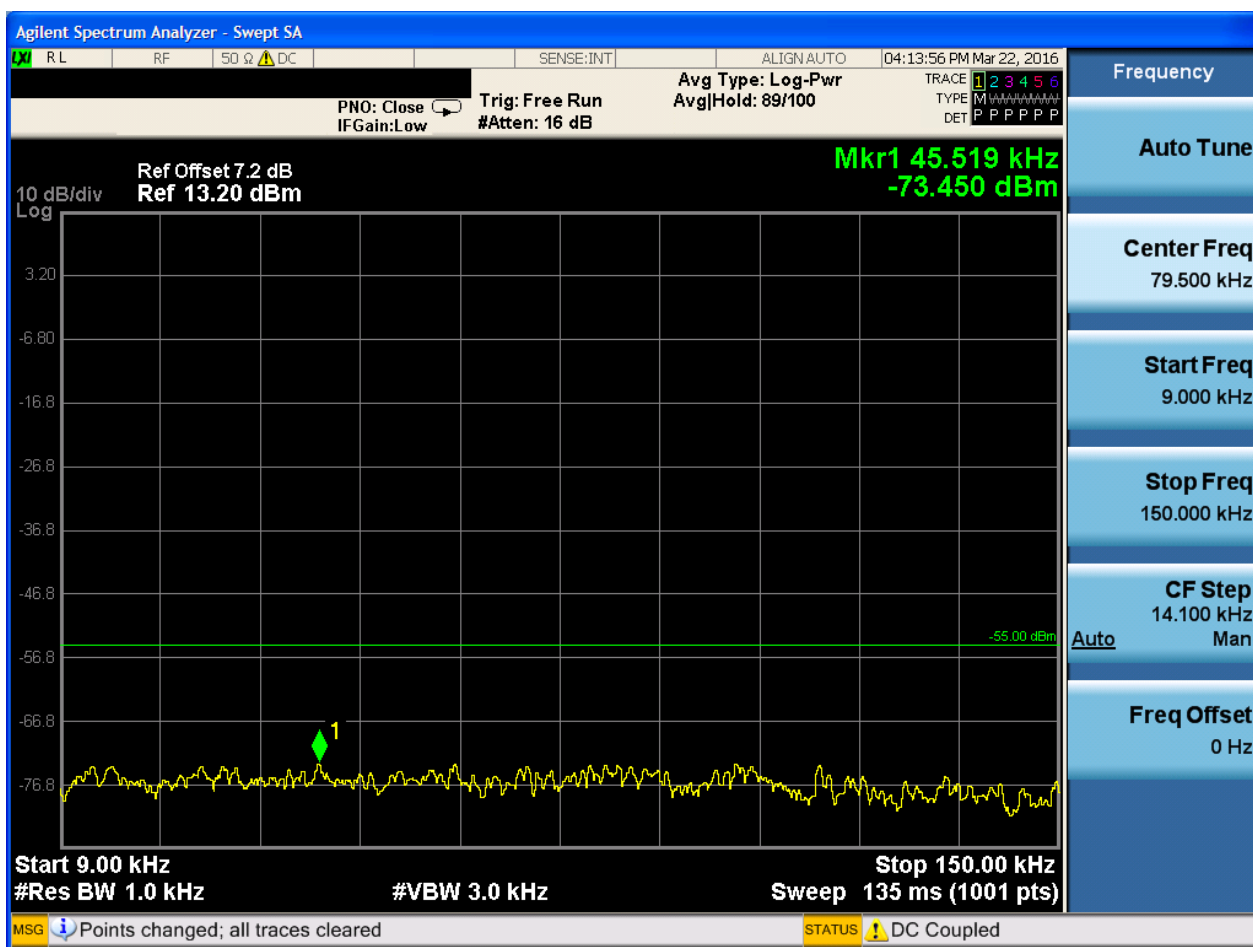


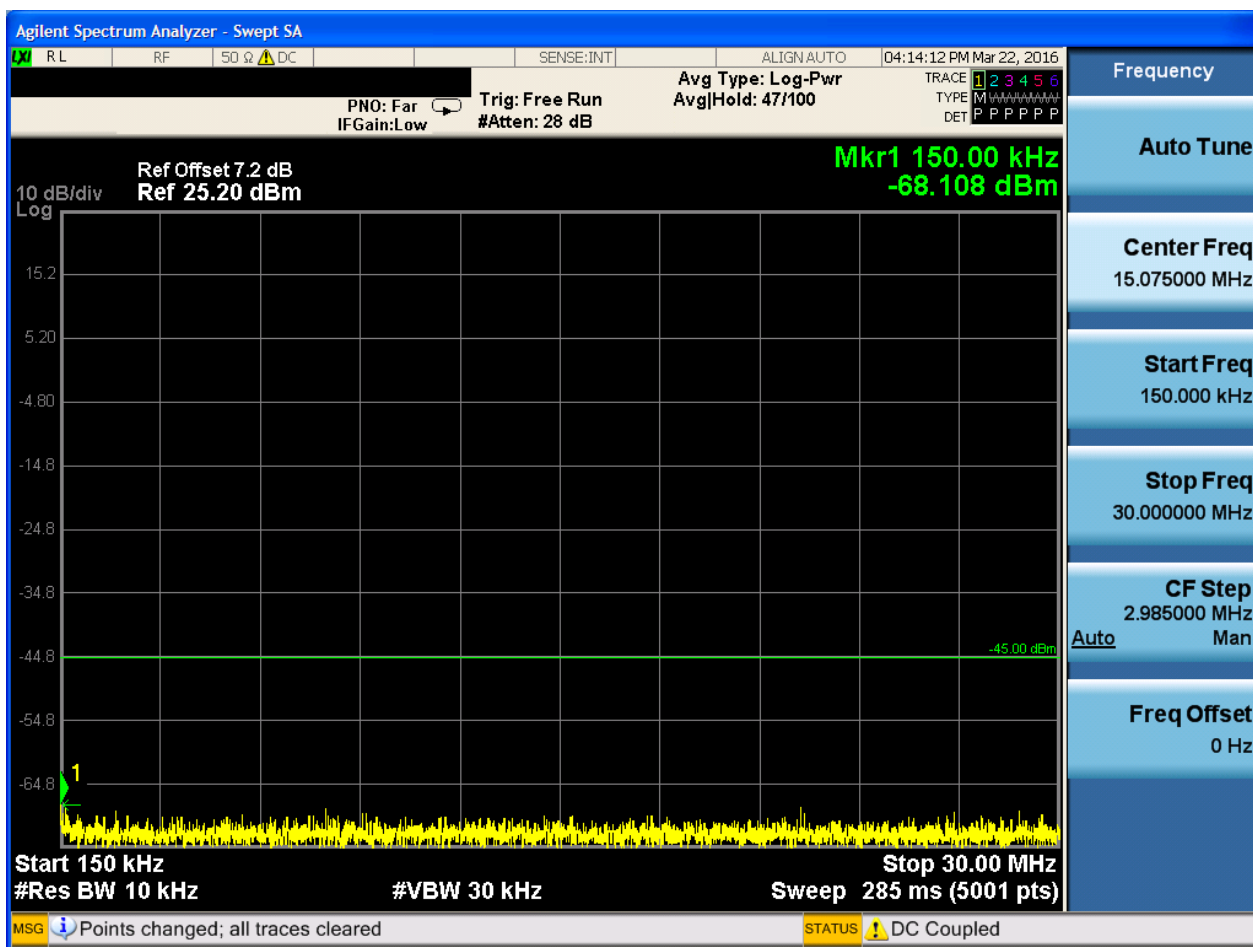


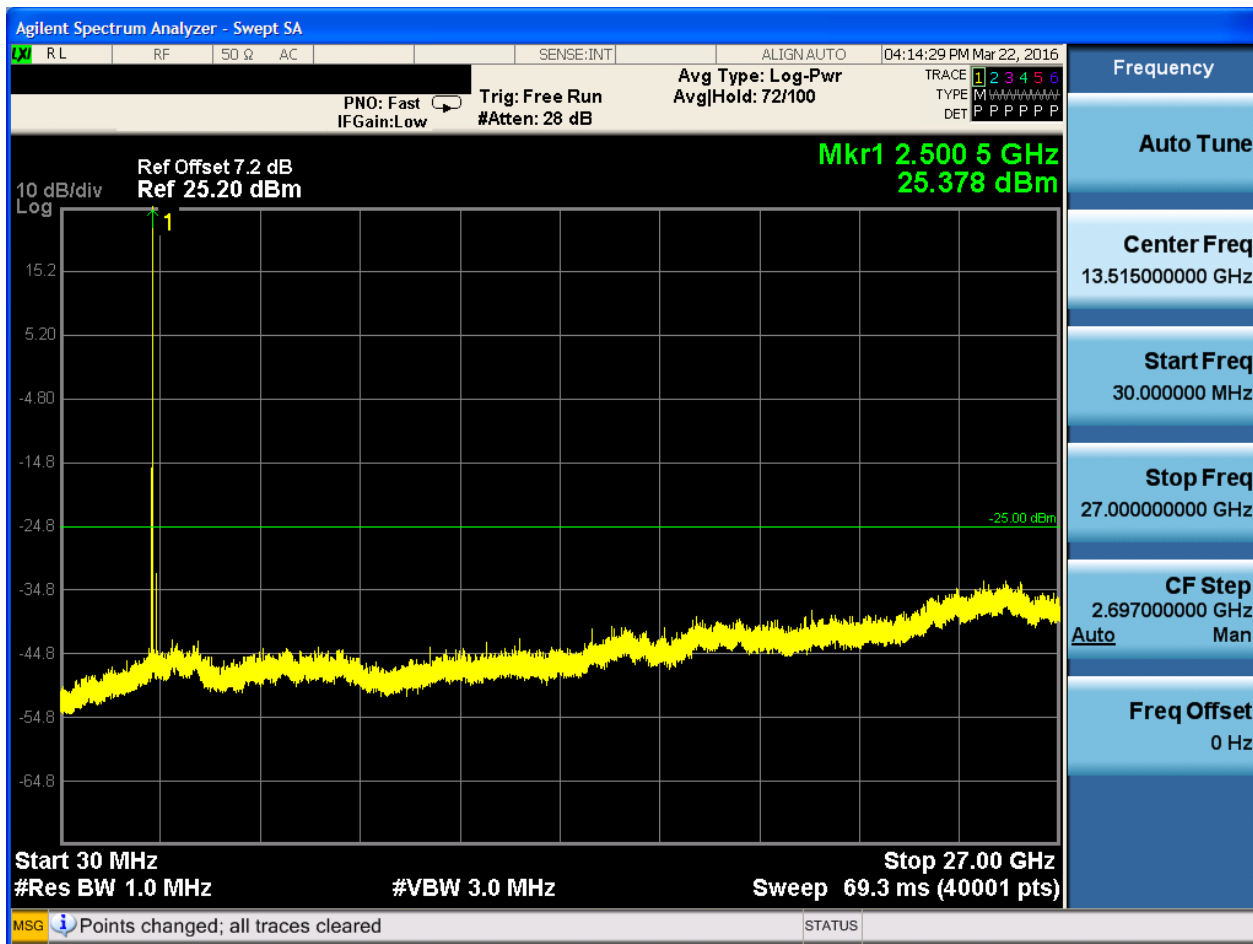
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



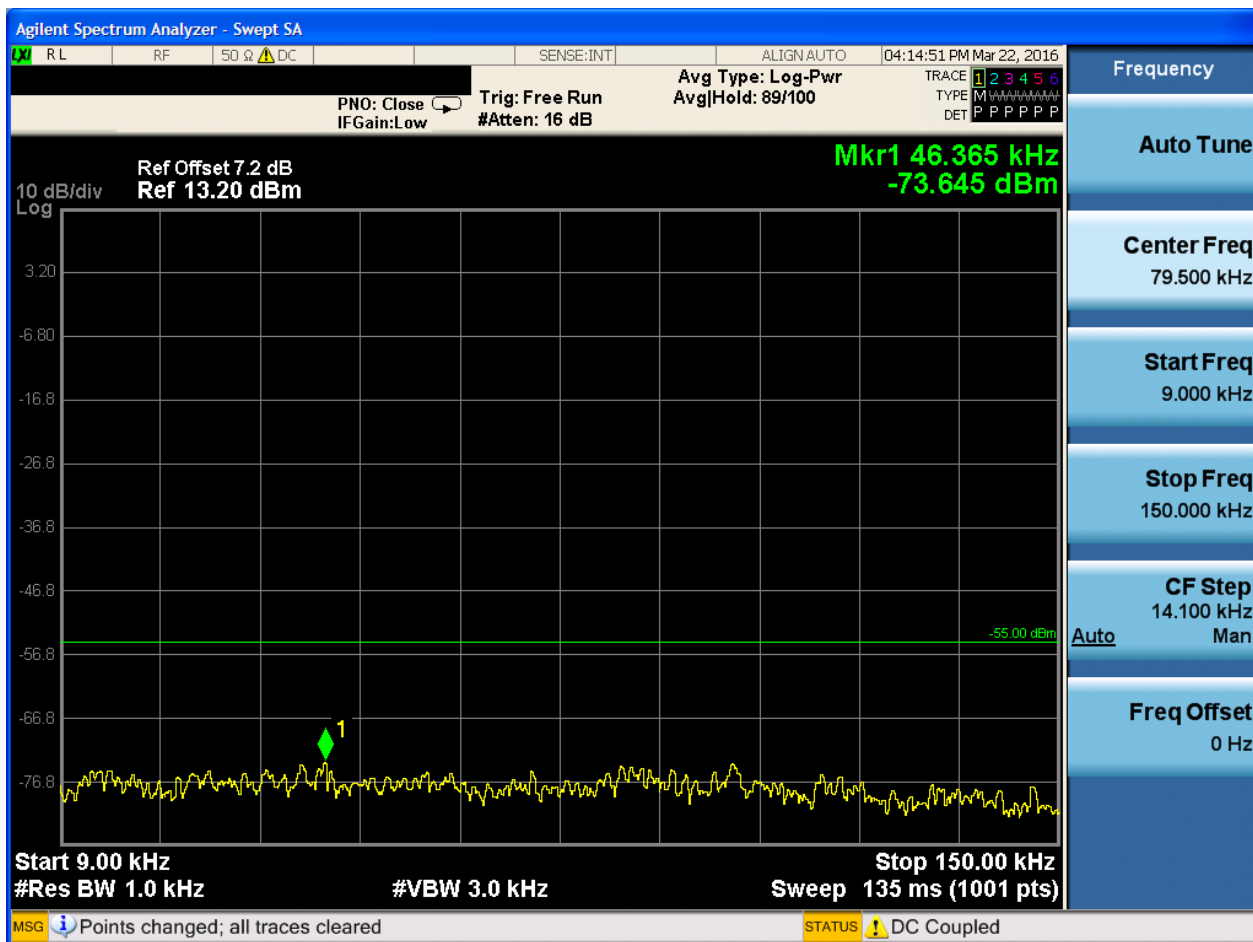




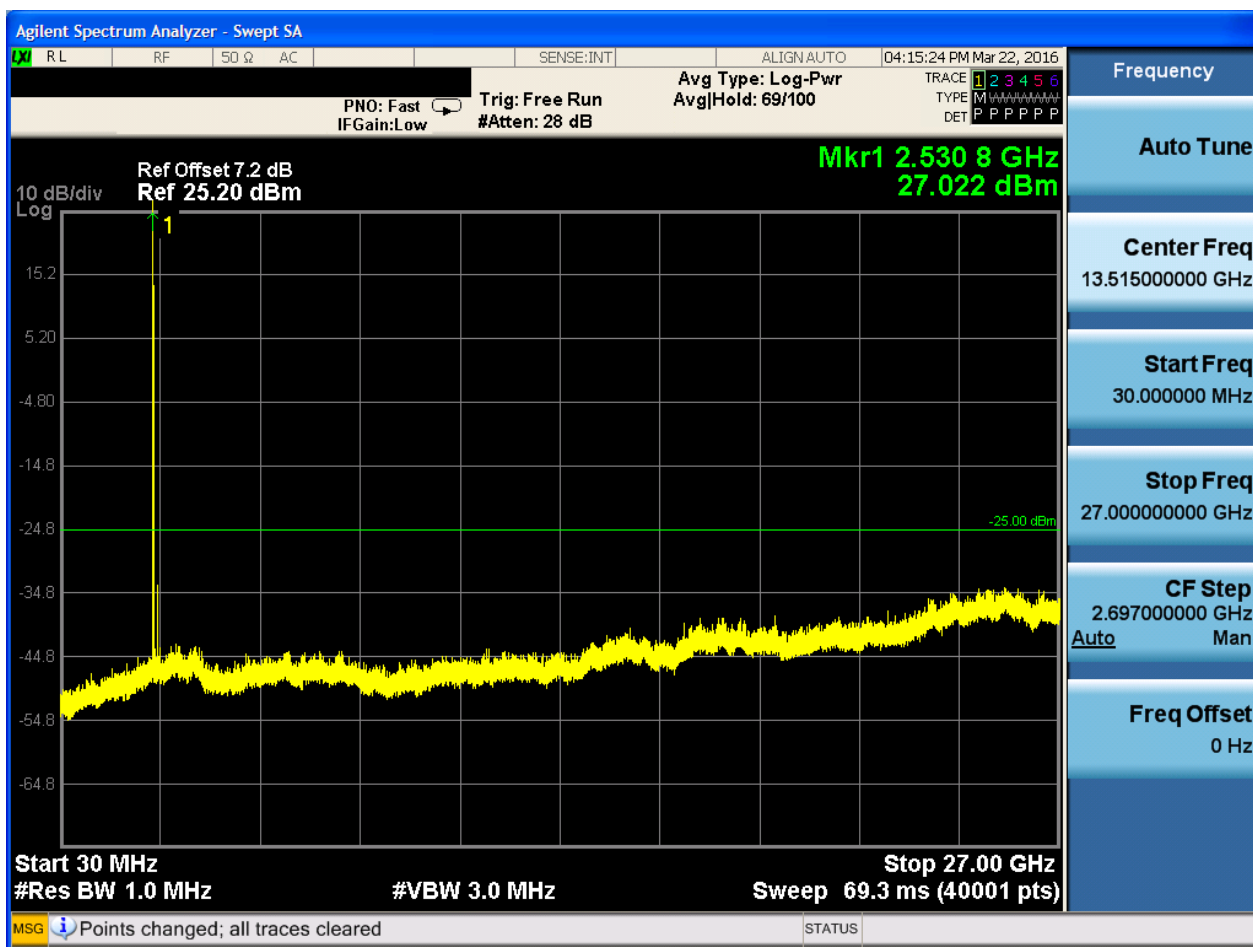


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

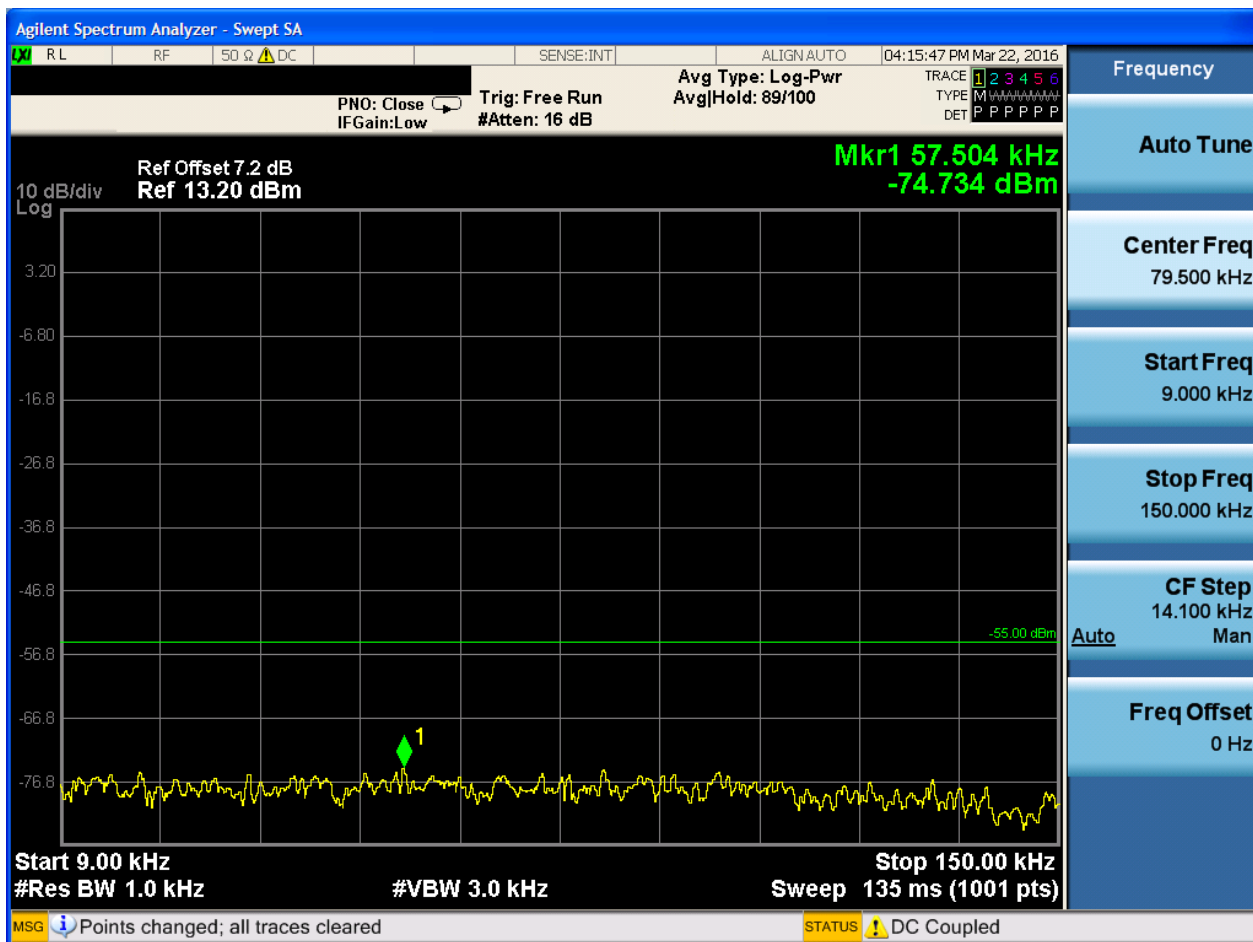


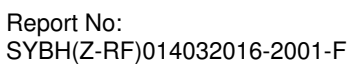


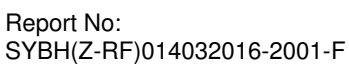


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





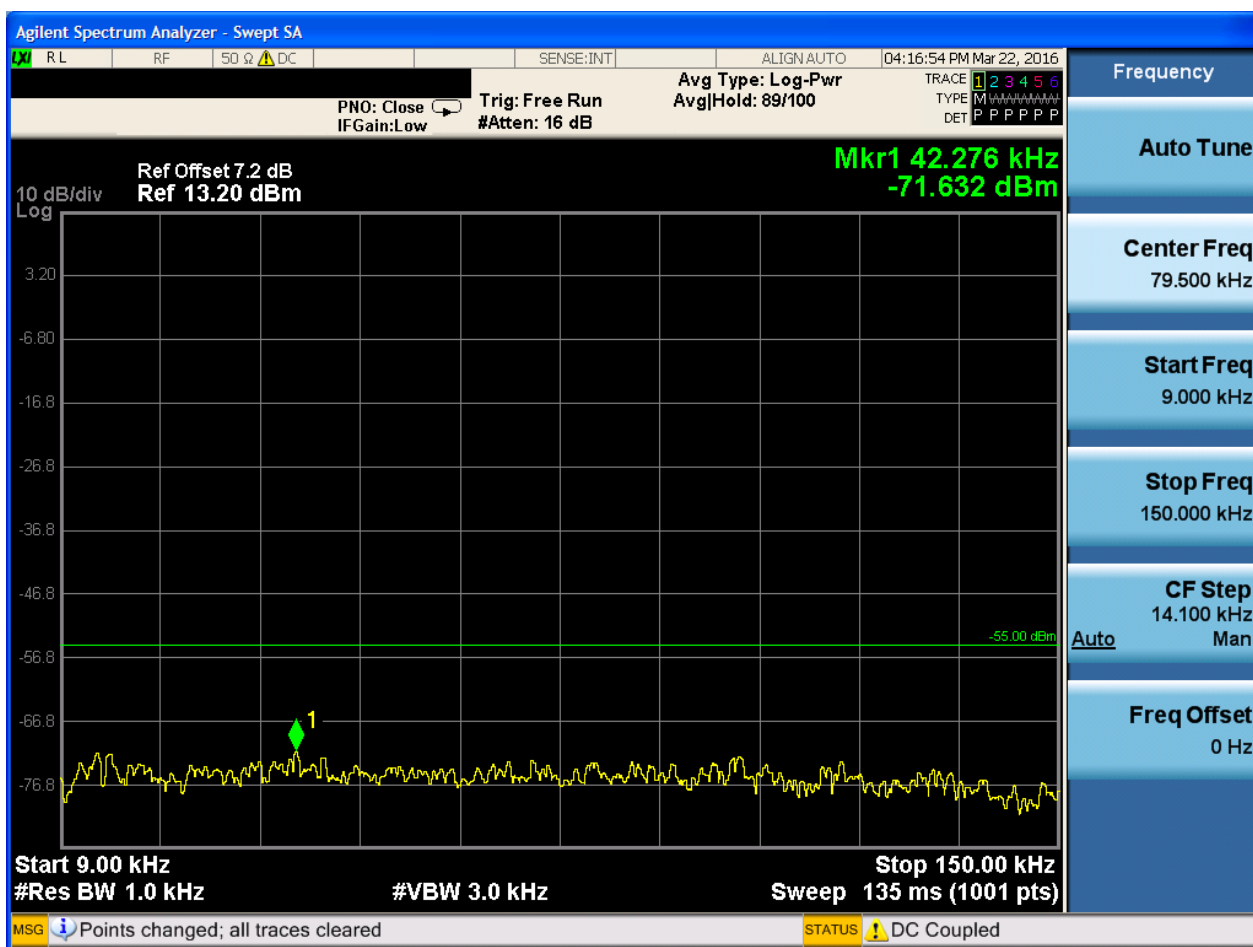


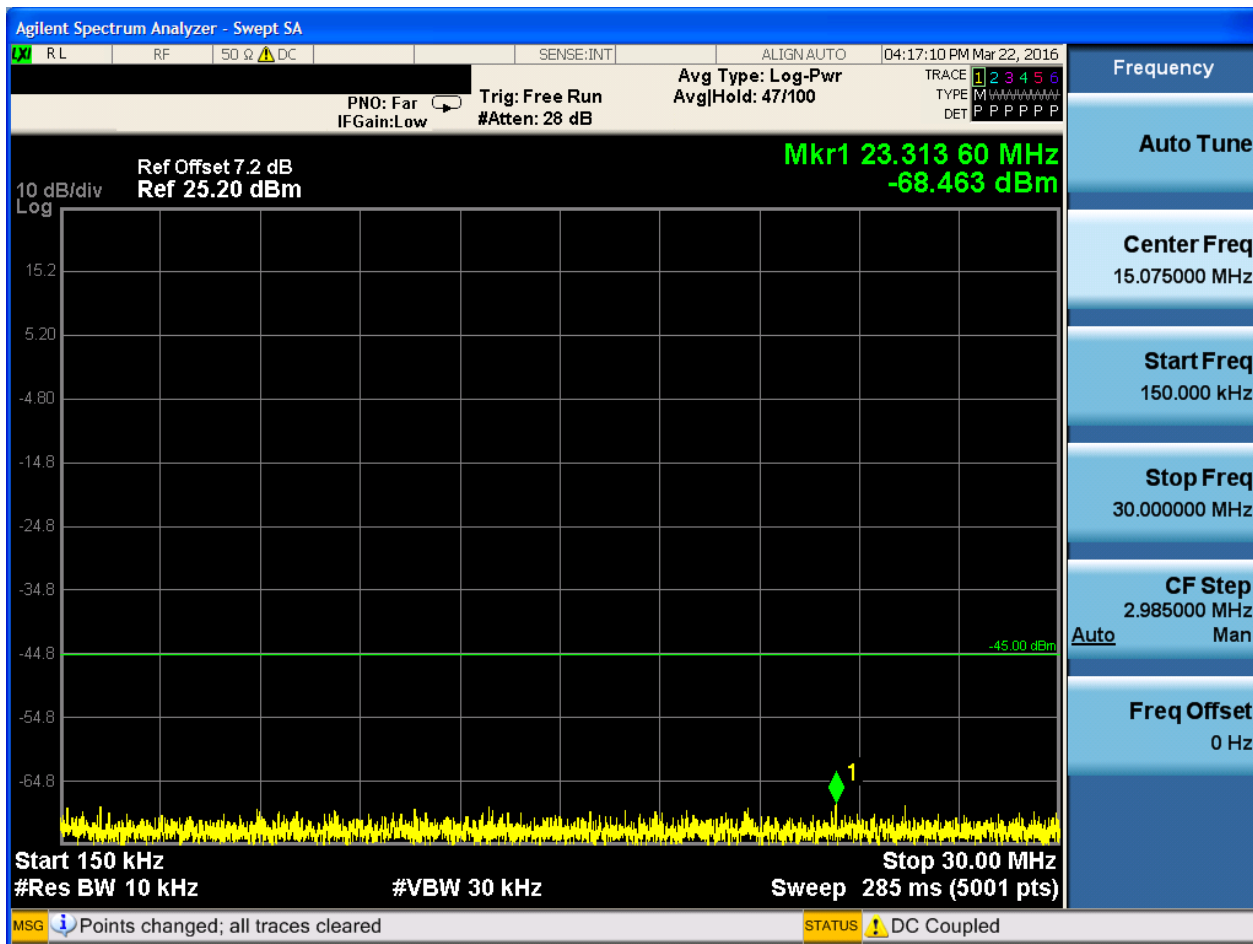


6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



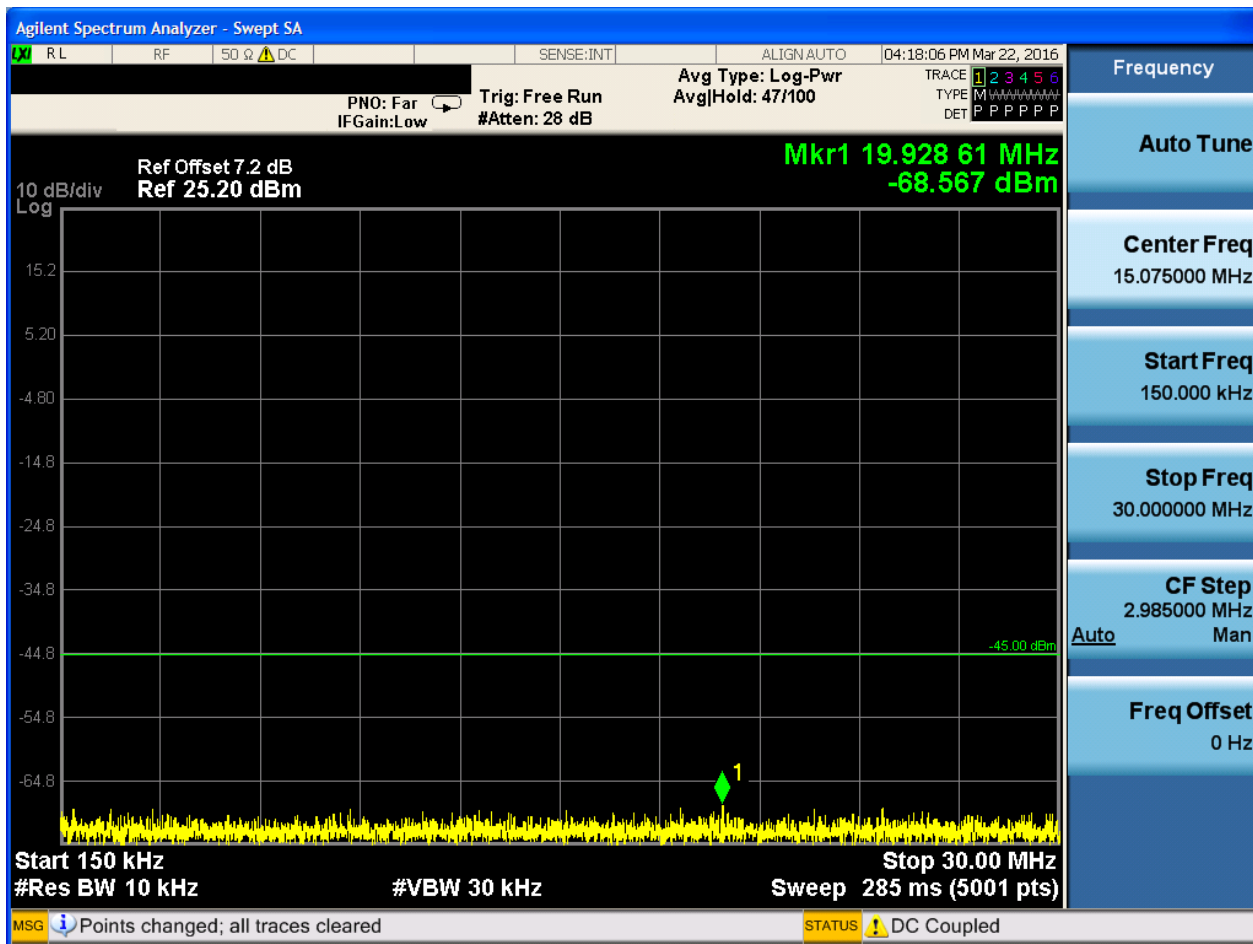


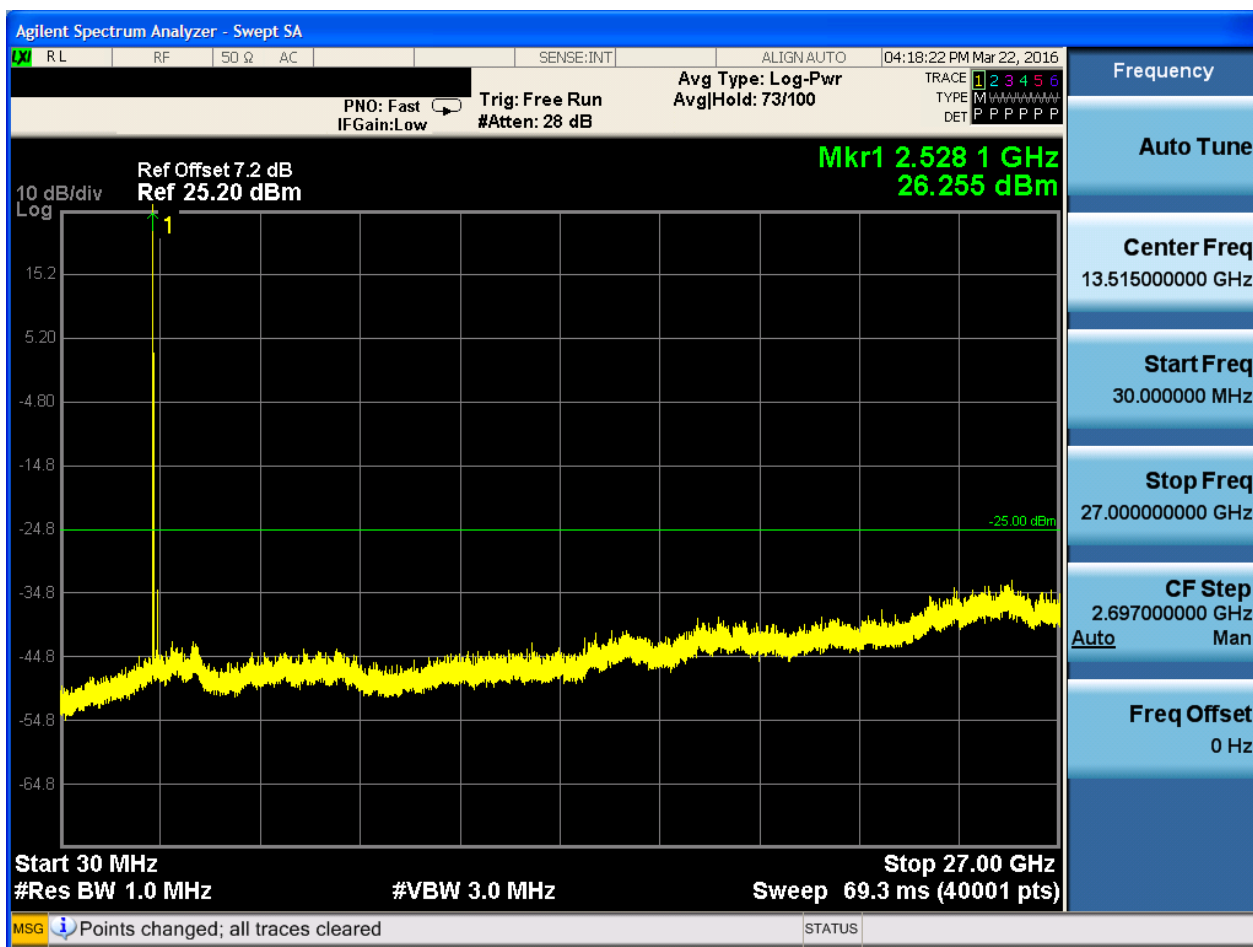


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

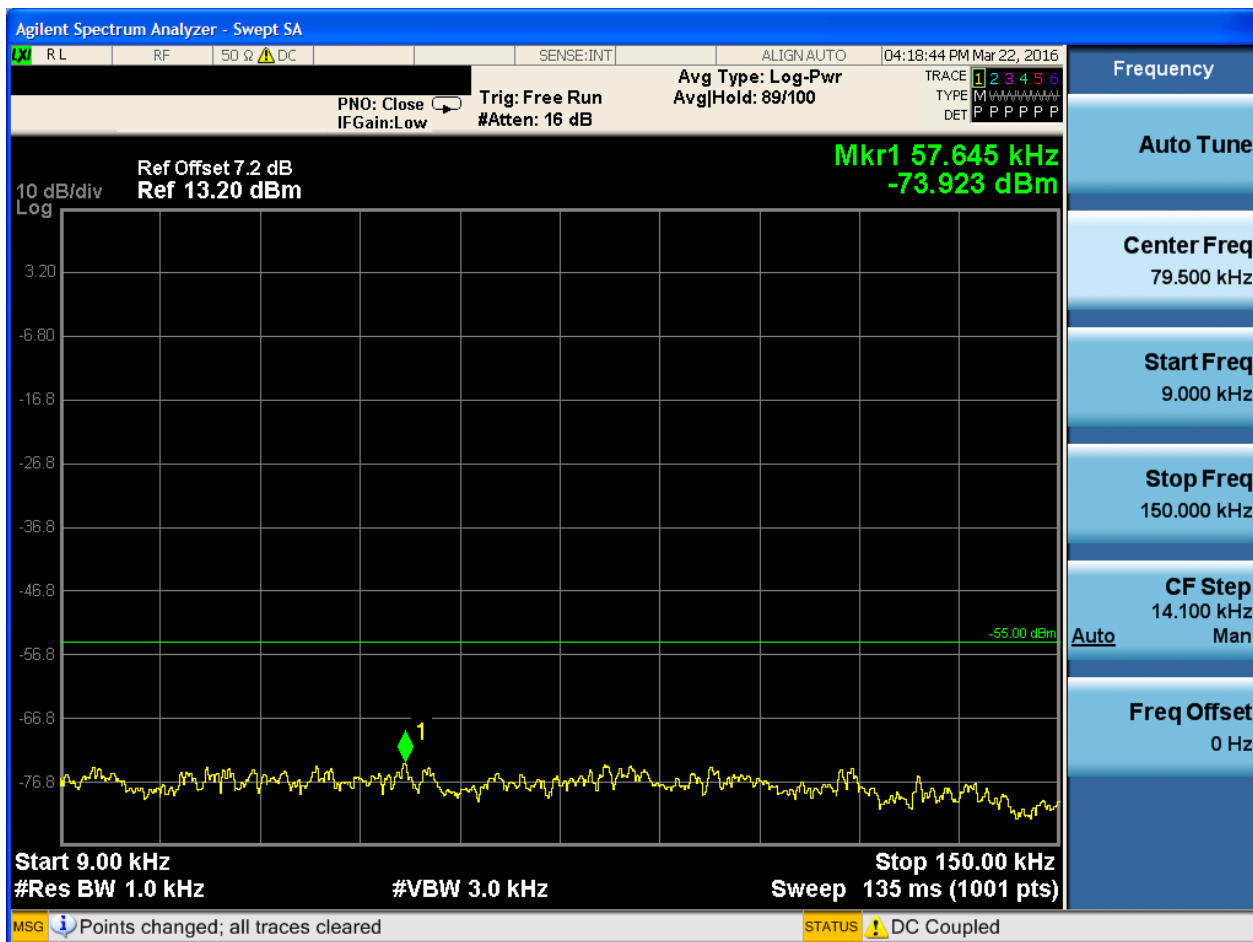


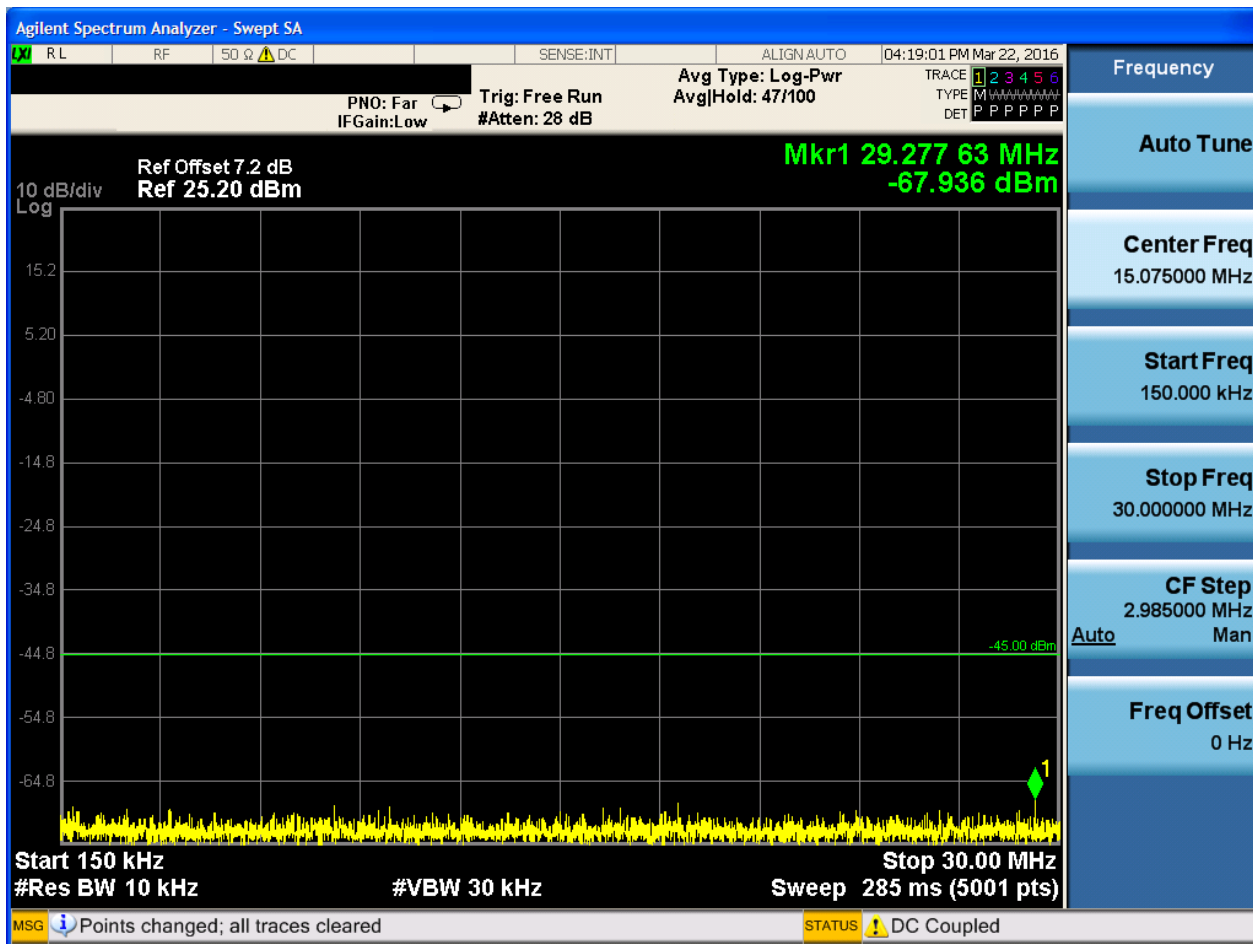




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



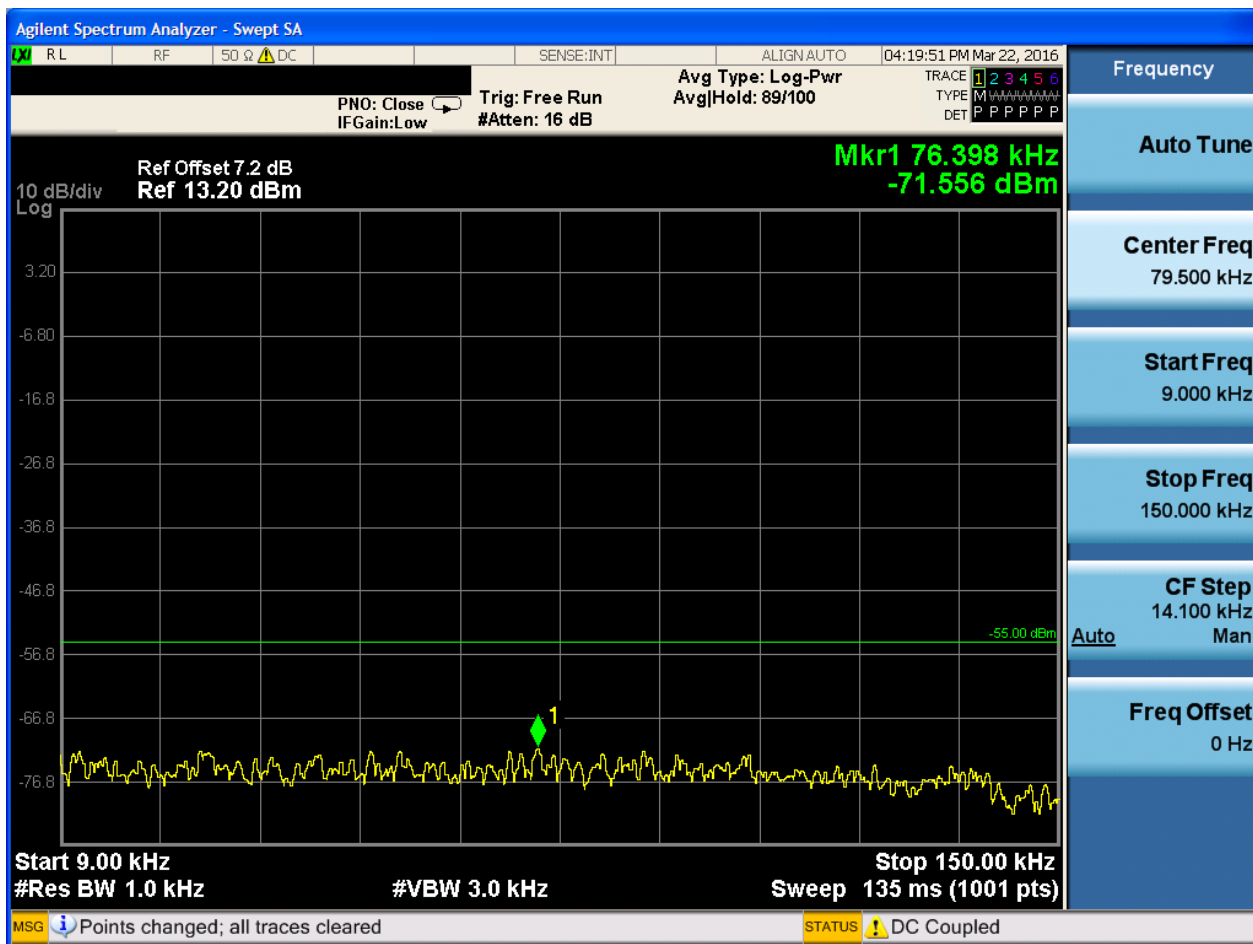


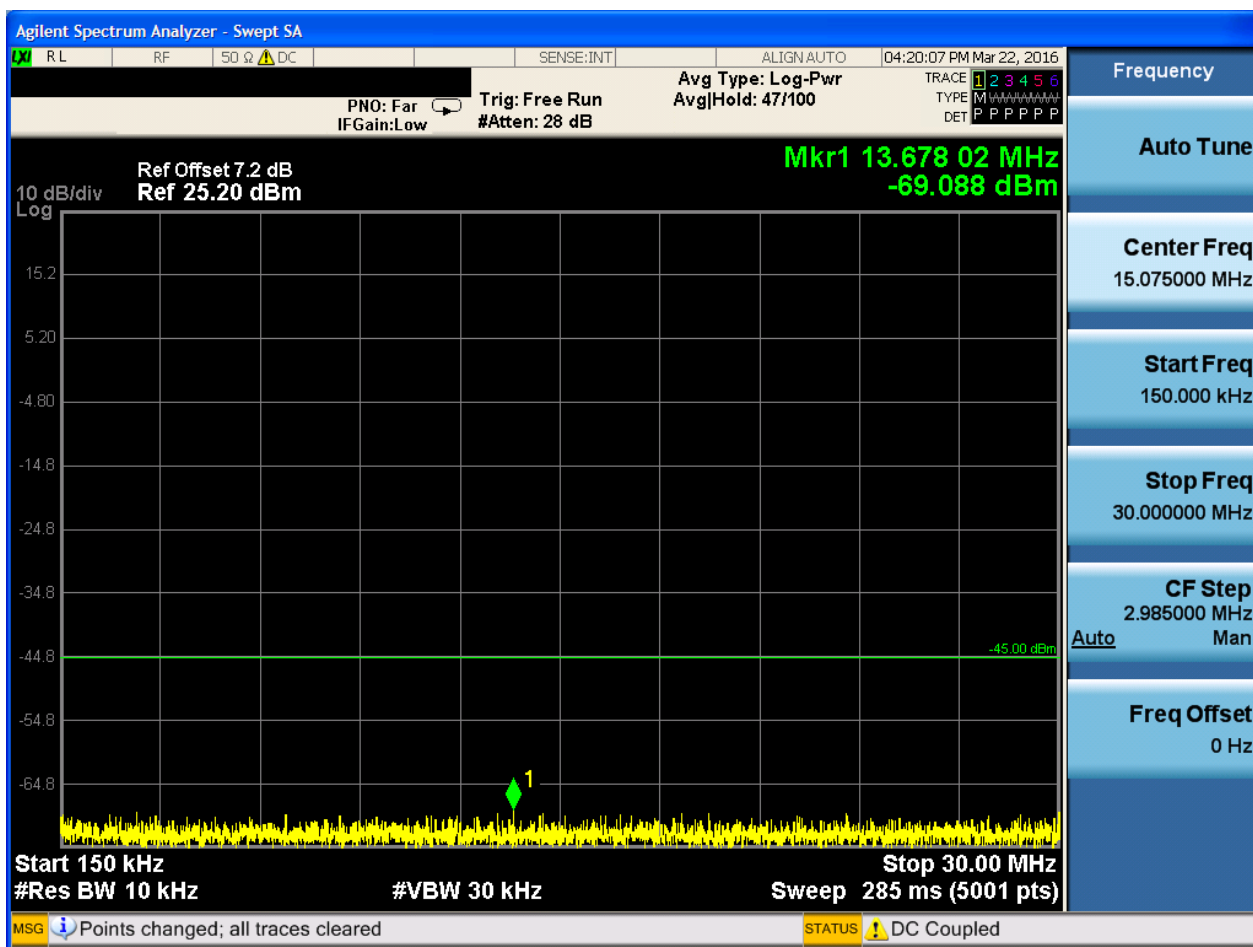


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

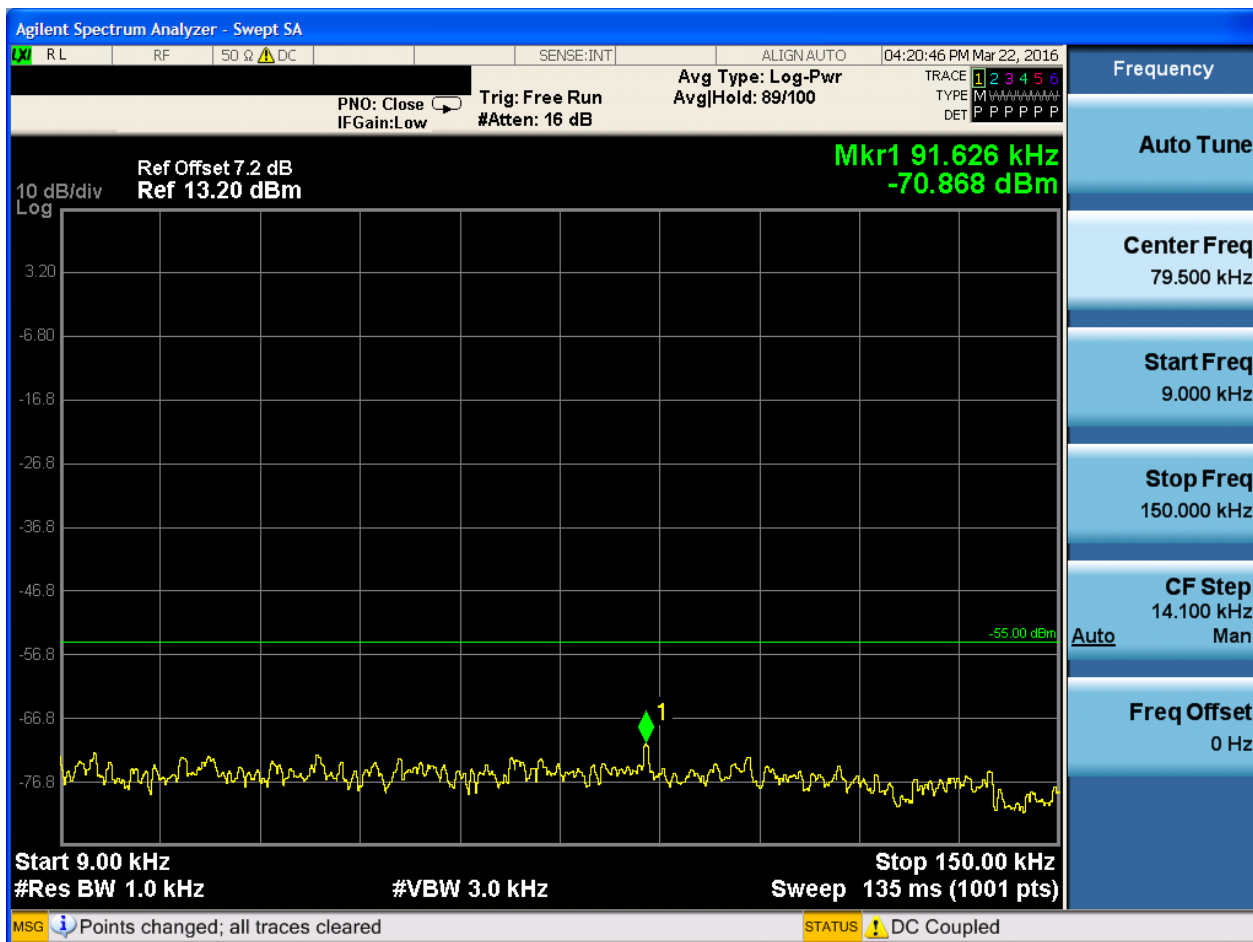


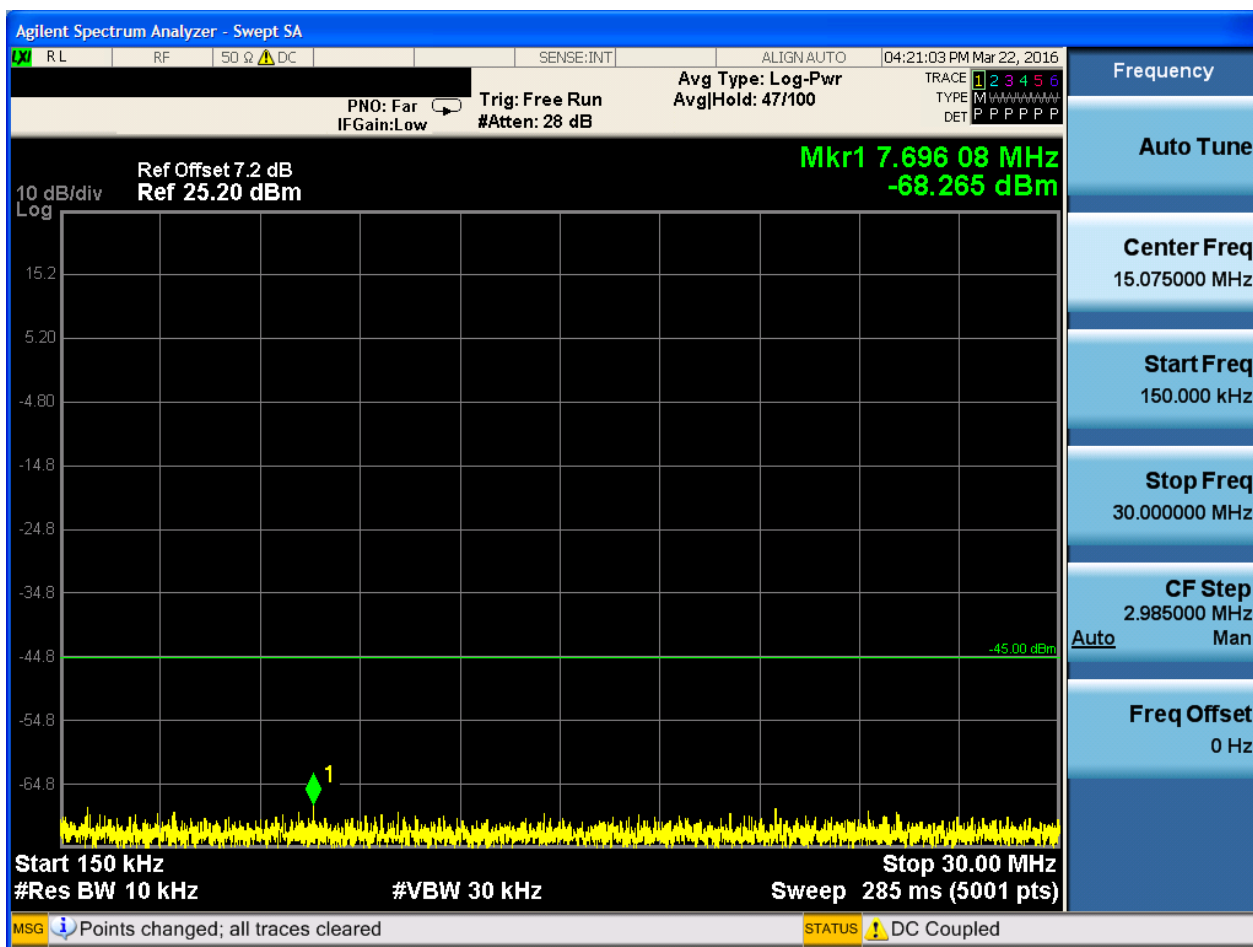


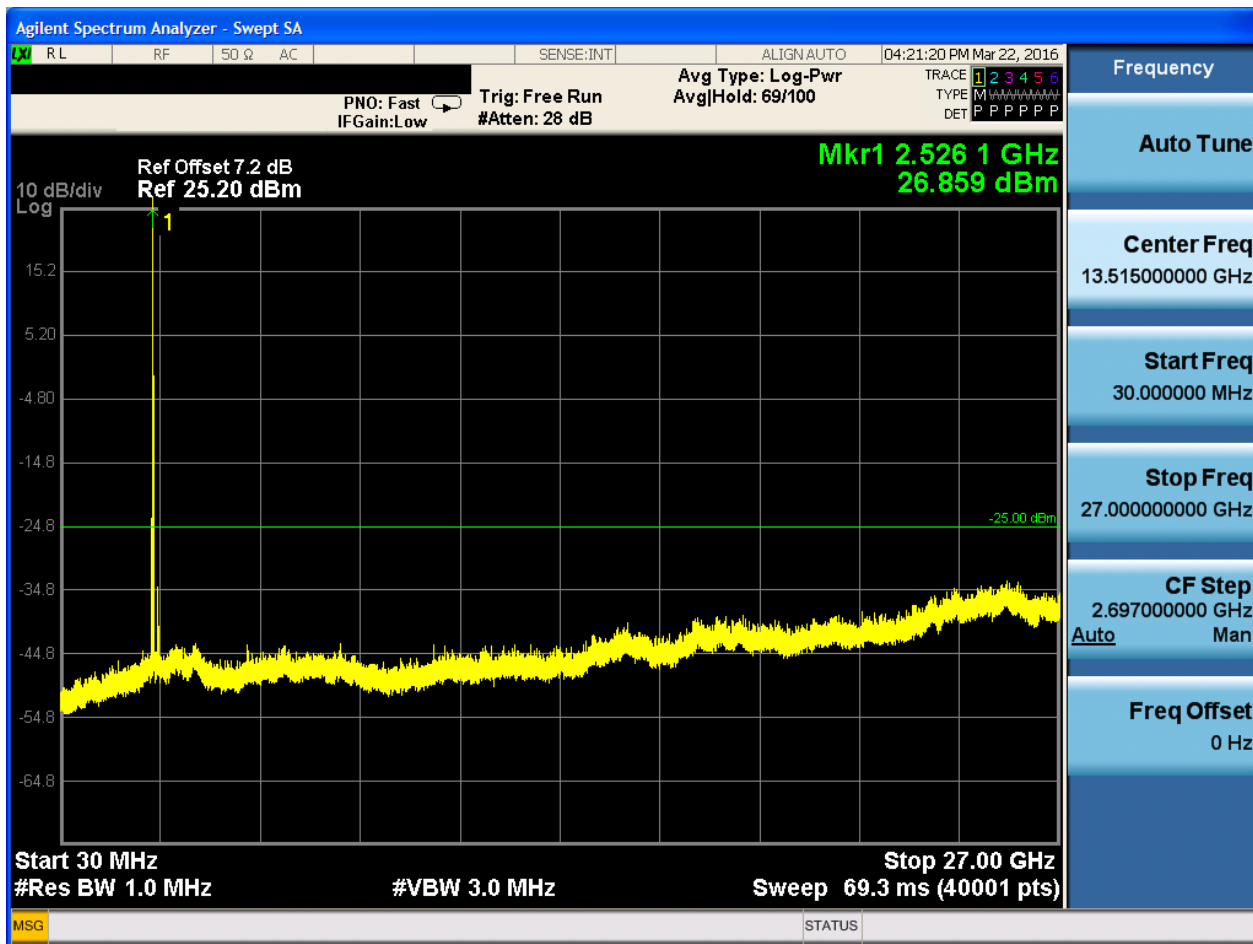


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

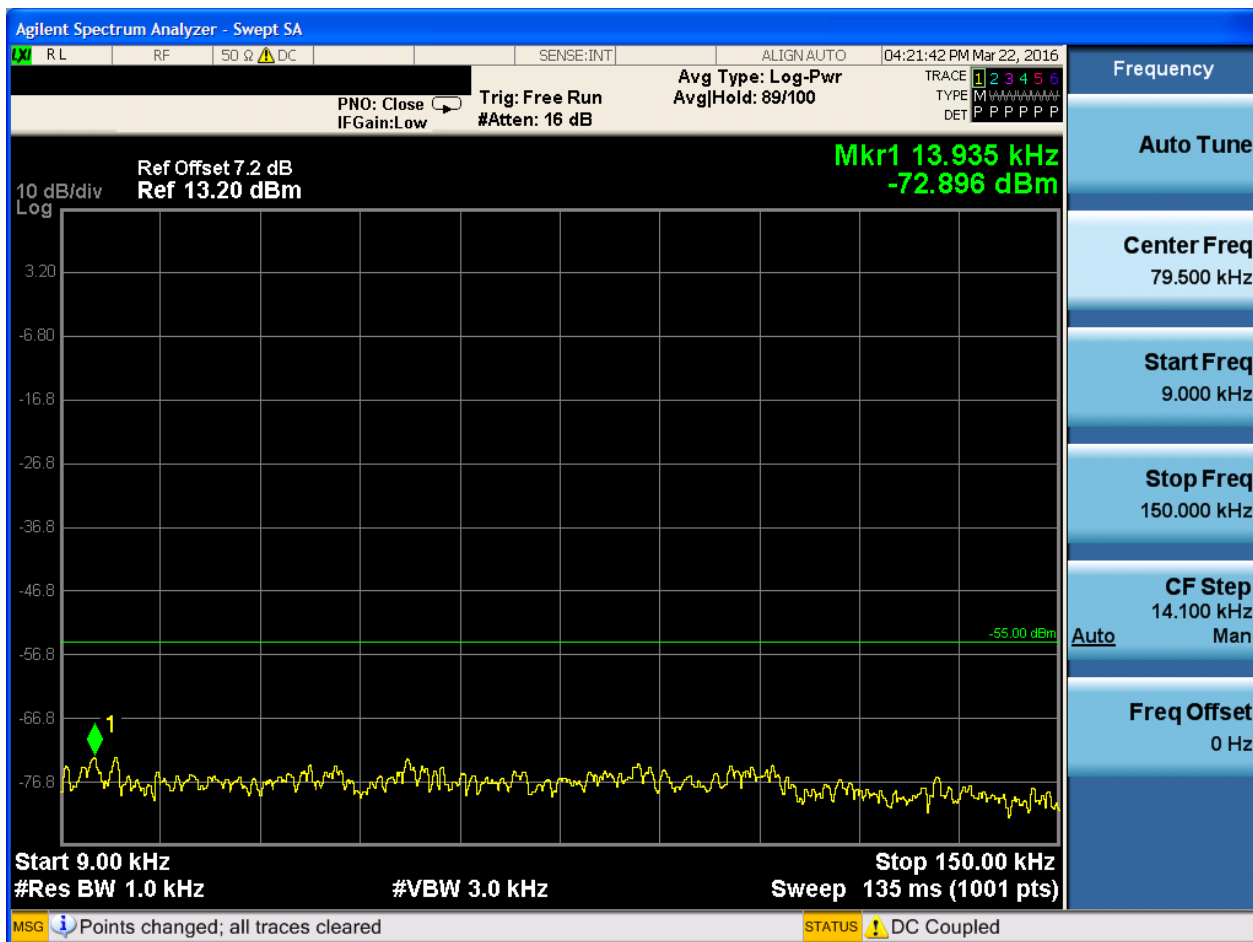


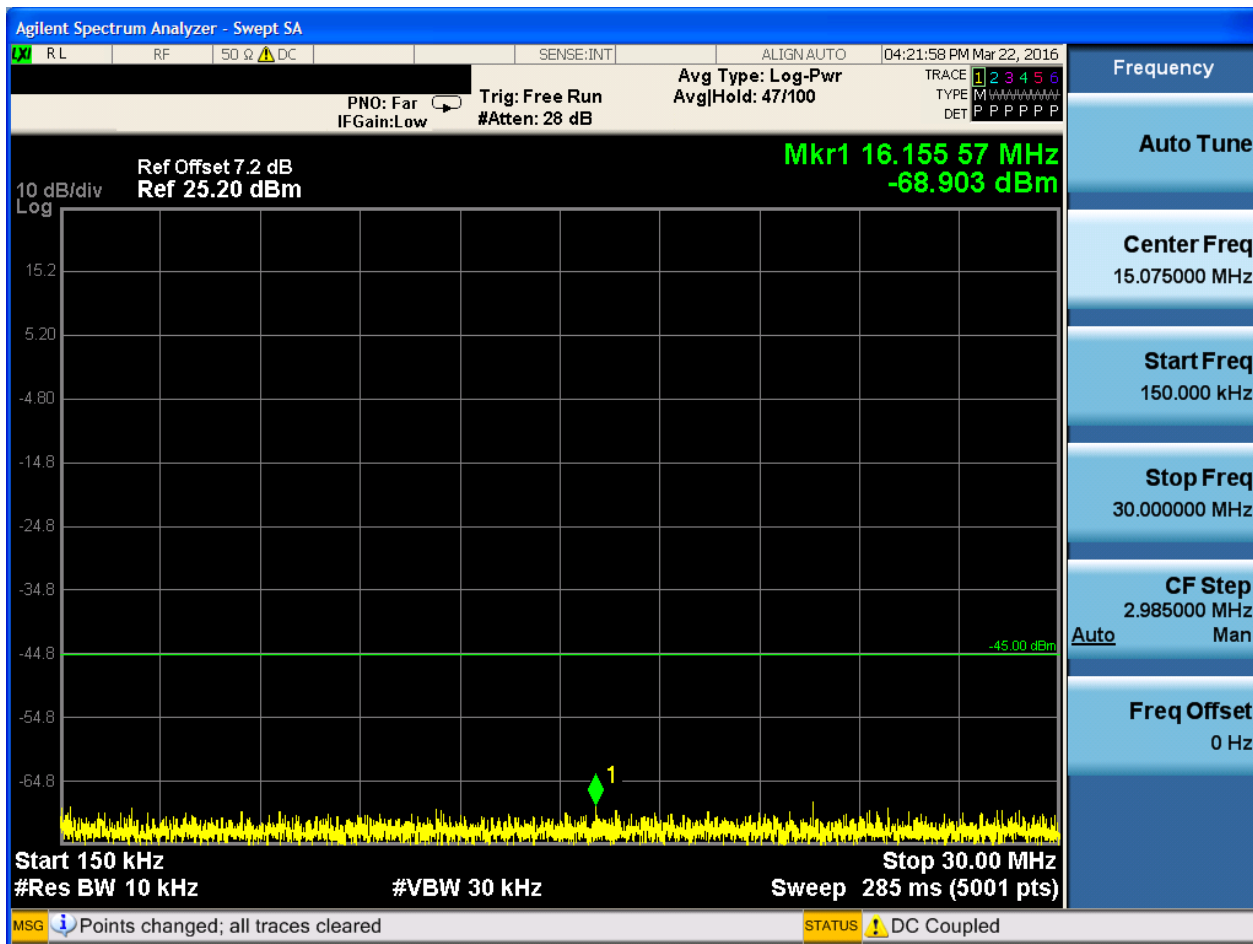


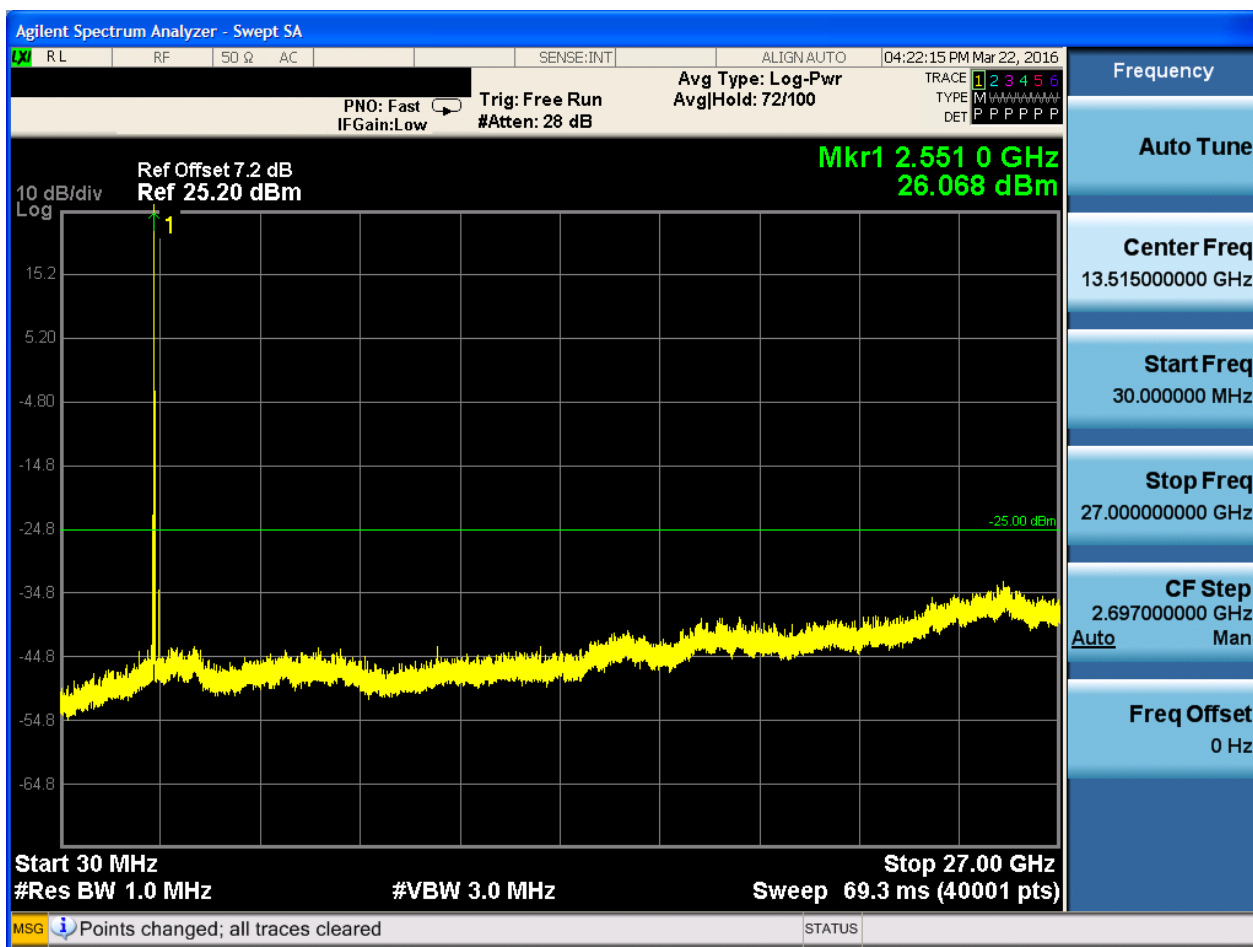


6.1.1.2.4.3 Test Channel = HCH

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

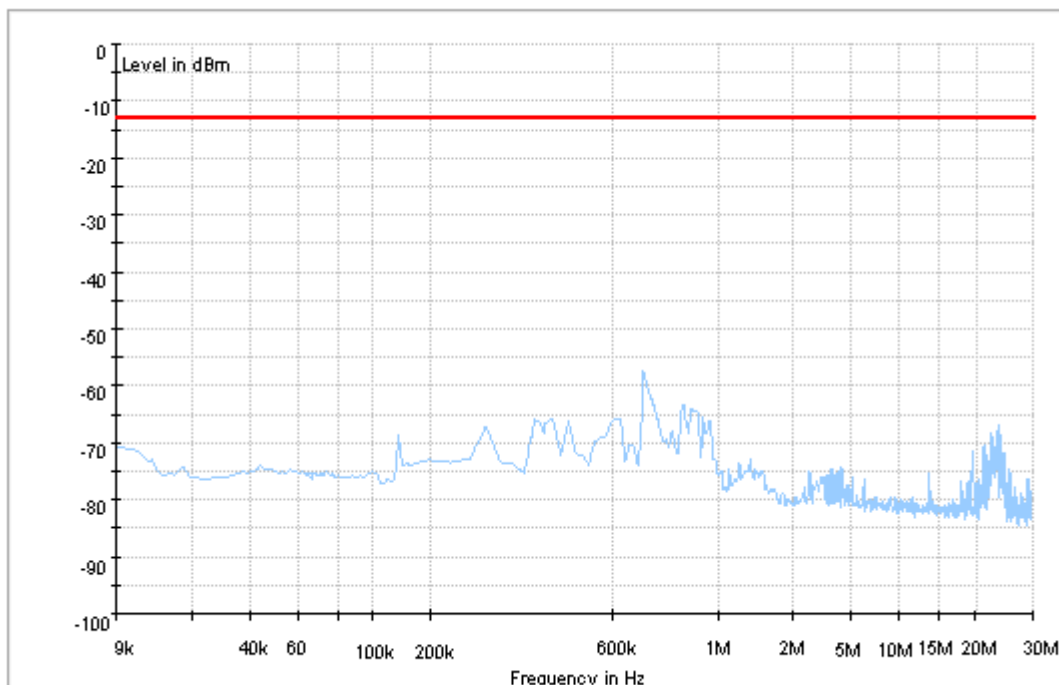
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

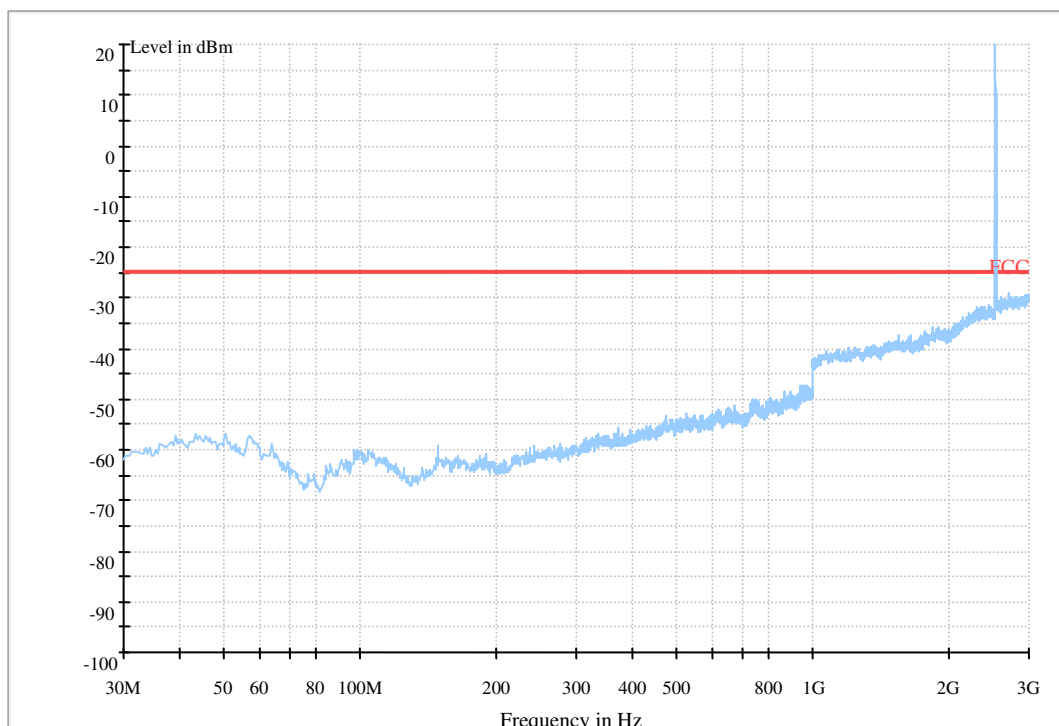
7.1 For LTE

7.1.1 Test Band = BAND7

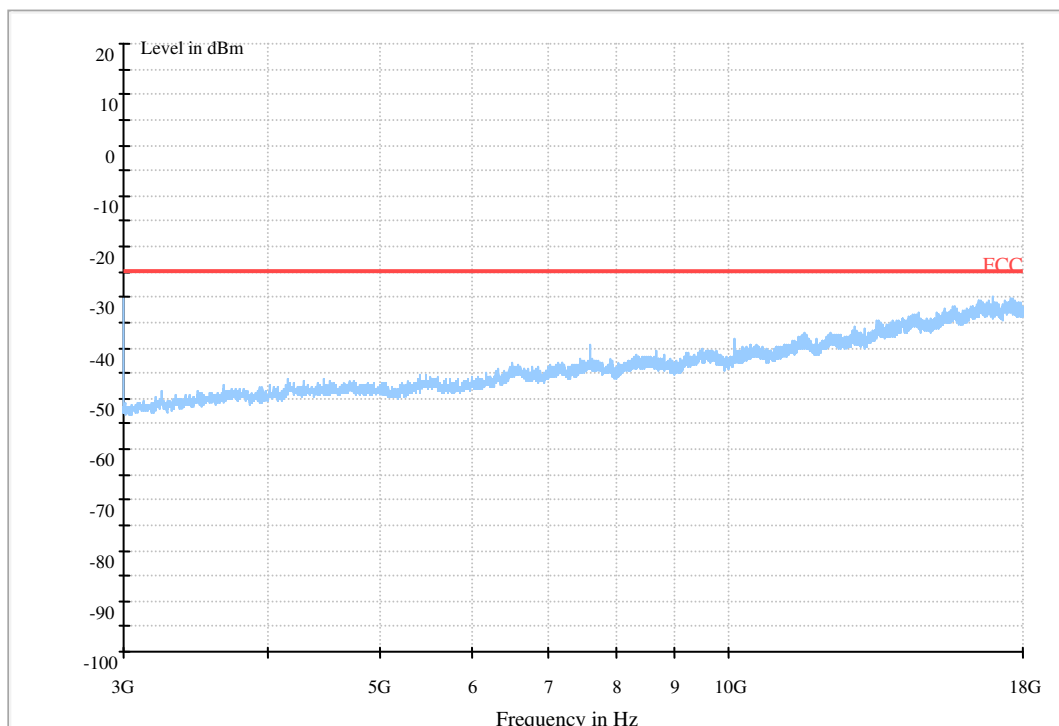
7.1.1.1 Test Bandwidth = 5

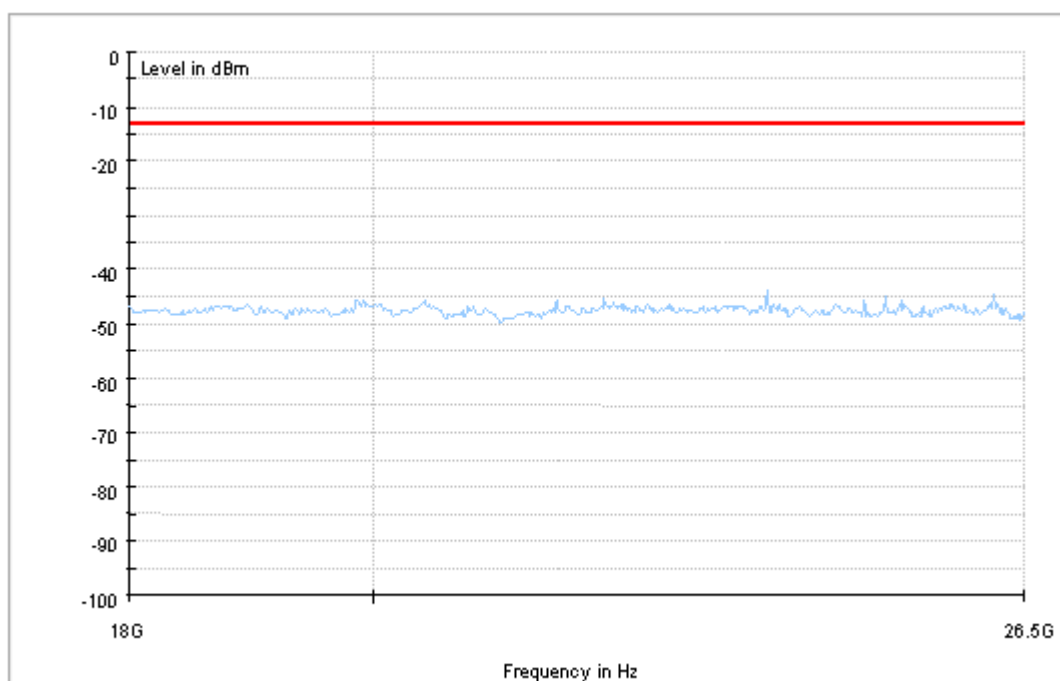


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

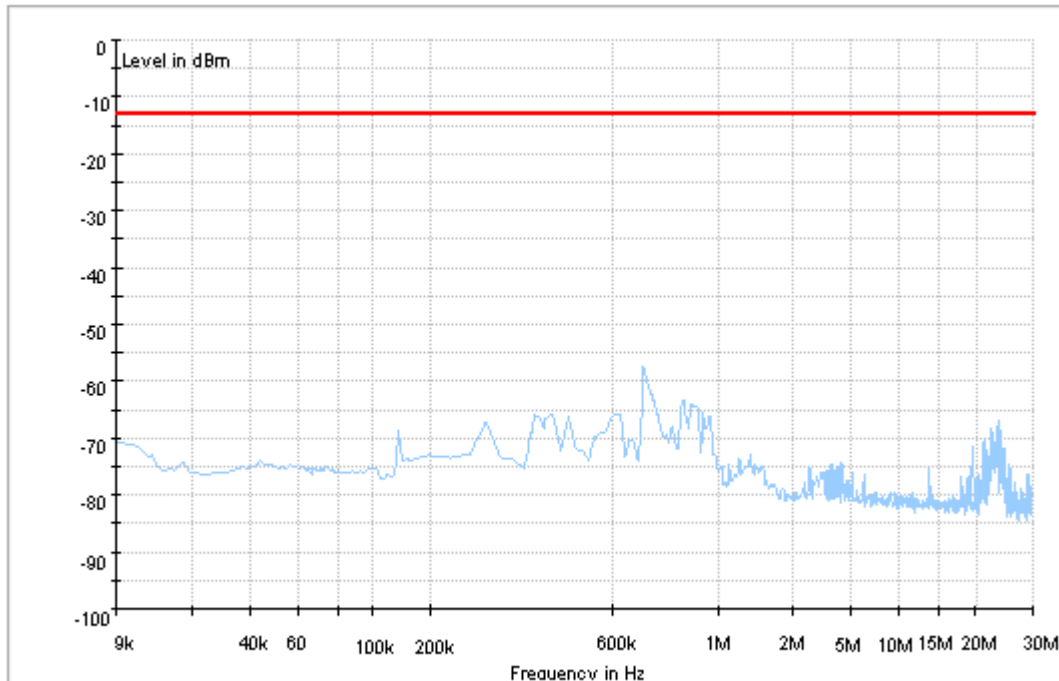


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

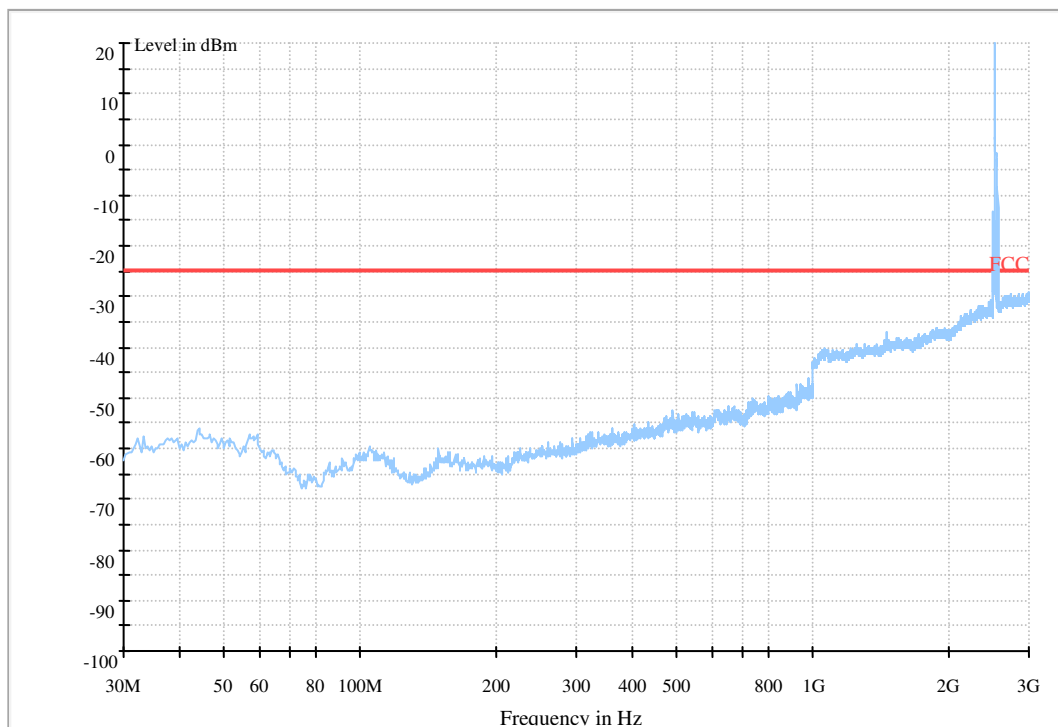




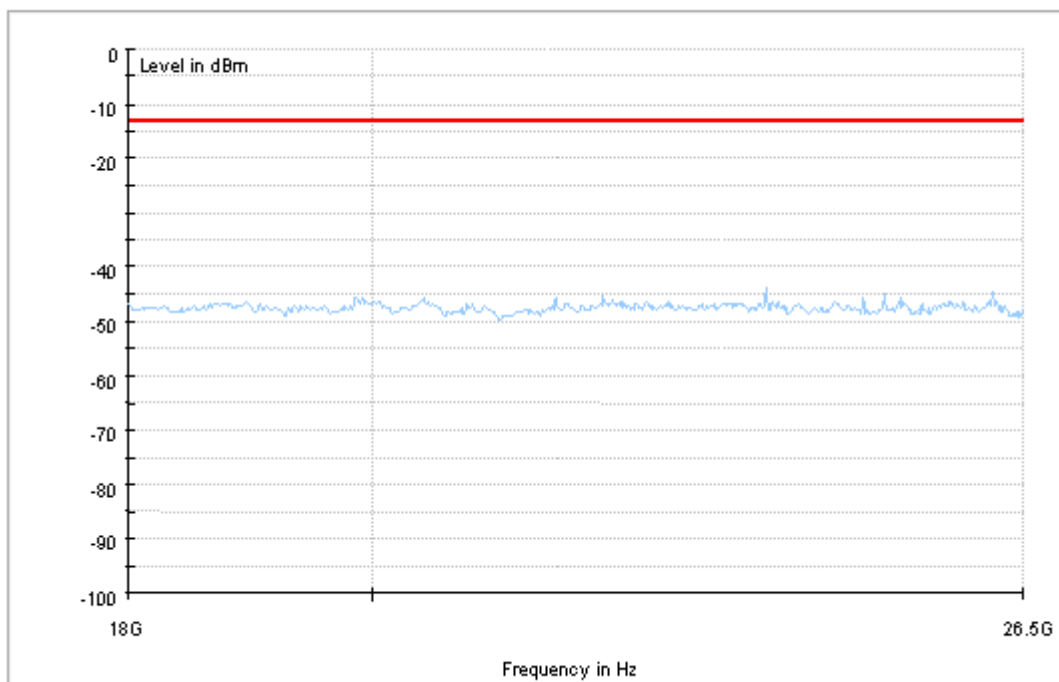
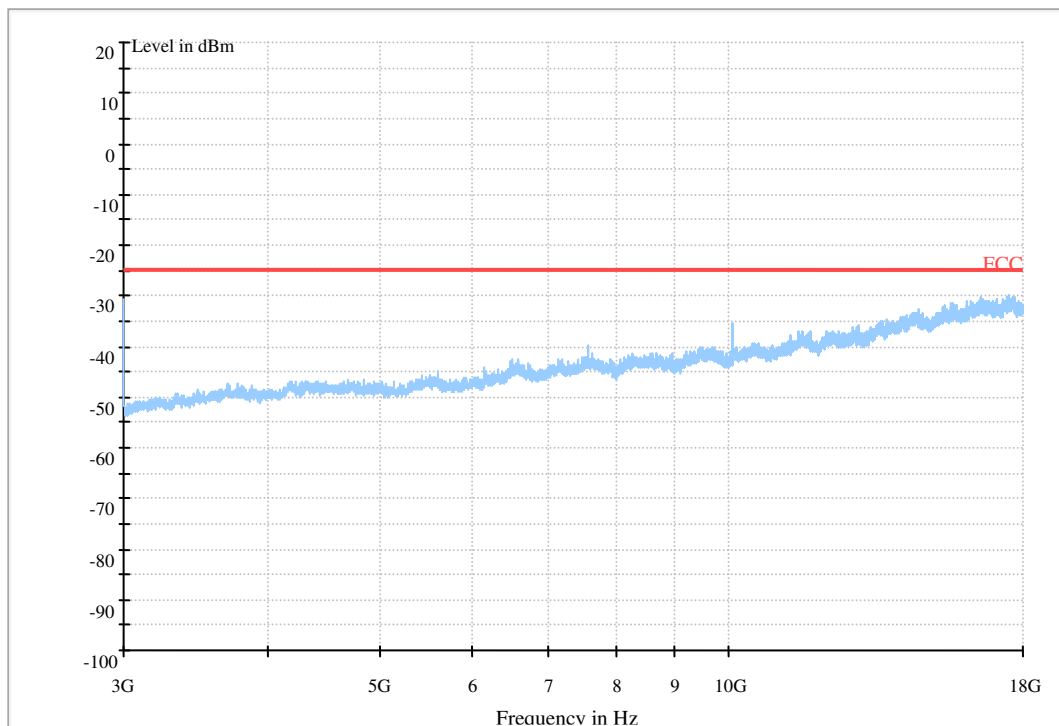
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



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	-4.72	-0.00189	PASS
					VN	-7.93	-0.00317	PASS
					VH	-5.74	-0.00229	PASS
			MCH	TN	VL	-4.29	-0.00169	PASS
					VN	-4.99	-0.00197	PASS
					VH	-2.88	-0.00114	PASS
			HCH	TN	VL	-0.82	-0.00032	PASS
					VN	-2.73	-0.00106	PASS
					VH	-2.13	-0.00083	PASS
		10	LCH	TN	VL	-6.97	-0.00278	PASS
					VN	-8.90	-0.00355	PASS
					VH	-8.87	-0.00354	PASS
			MCH	TN	VL	-4.29	-0.00169	PASS
					VN	-3.98	-0.00157	PASS
					VH	-4.29	-0.00169	PASS
			HCH	TN	VL	-1.53	-0.0006	PASS
					VN	-4.08	-0.00159	PASS
					VH	-3.35	-0.00131	PASS
		15	LCH	TN	VL	-9.97	-0.00398	PASS
					VN	-11.99	-0.00478	PASS
					VH	-9.98	-0.00398	PASS
			MCH	TN	VL	-5.82	-0.0023	PASS
					VN	-5.44	-0.00215	PASS
					VH	-4.25	-0.00168	PASS
			HCH	TN	VL	-2.68	-0.00105	PASS
					VN	-4.58	-0.00179	PASS
					VH	-4.46	-0.00174	PASS
		20	LCH	TN	VL	-7.82	-0.00312	PASS
					VN	-8.87	-0.00353	PASS
					VH	-8.85	-0.00353	PASS
			MCH	TN	VL	-5.55	-0.00219	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	-4.38	-0.00173	PASS
					VH	-3.66	-0.00144	PASS
					VL	-1.82	-0.00071	PASS
					VN	-4.36	-0.0017	PASS
					VH	-4.35	-0.0017	PASS
					VL	-4.86	-0.00194	PASS
		5	LCH	TN	VN	-3.59	-0.00143	PASS
					VH	-4.62	-0.00185	PASS
					VL	-4.53	-0.00179	PASS
			MCH	TN	VN	-3.78	-0.00149	PASS
					VH	-0.33	-0.00013	PASS
					VL	-1.75	-0.00068	PASS
			HCH	TN	VN	-3.60	-0.0014	PASS
					VH	1.13	0.00044	PASS
					VL	-4.08	-0.00163	PASS
		10	LCH	TN	VN	-10.53	-0.0042	PASS
					VH	-7.87	-0.00314	PASS
					VL	-4.76	-0.00188	PASS
			MCH	TN	VN	-2.70	-0.00107	PASS
					VH	-3.93	-0.00155	PASS
					VL	-2.62	-0.00102	PASS
			HCH	TN	VN	-1.85	-0.00072	PASS
					VH	-2.23	-0.00087	PASS
					VL	-6.82	-0.00272	PASS
		15	LCH	TN	VN	-6.22	-0.00248	PASS
					VH	-5.11	-0.00204	PASS
					VL	-4.26	-0.00168	PASS
			MCH	TN	VN	-2.72	-0.00107	PASS
					VH	-1.90	-0.00075	PASS
					VL	-2.22	-0.00087	PASS
			HCH	TN	VN	-0.14	-0.00005	PASS
					VH	-4.53	-0.00177	PASS
					VL	-8.93	-0.00356	PASS
		20	LCH	TN	VN	-8.77	-0.00349	PASS
					VH	-6.05	-0.00241	PASS
					VL	-4.38	-0.00173	PASS
			MCH	TN	VN	-2.42	-0.00095	PASS
					VH	-1.66	-0.00065	PASS
					VL	-1.75	-0.00068	PASS
			HCH	TN	VL	-1.75	-0.00068	PASS
					VN	-1.85	-0.00072	PASS
					VH	-2.23	-0.00087	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.67	-0.00065	PASS
					VH	-2.46	-0.00096	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	-8.96	-0.00358	PASS
					-20	-10.67	-0.00426	PASS
					-10	-9.01	-0.0036	PASS
					0	-9.80	-0.00392	PASS
					10	-8.87	-0.00354	PASS
					20	-7.93	-0.00317	PASS
					30	-7.77	-0.0031	PASS
					40	-4.06	-0.00162	PASS
					50	-3.43	-0.00137	PASS
			MCH	VN	-30	-3.91	-0.00154	PASS
					-20	-2.46	-0.00097	PASS
					-10	-2.69	-0.00106	PASS
					0	-4.41	-0.00174	PASS
					10	-2.57	-0.00101	PASS
					20	-0.87	-0.00034	PASS
					30	-3.03	-0.0012	PASS
					40	-2.43	-0.00096	PASS
					50	-0.01	0	PASS
			HCH	VN	-30	-0.40	-0.00016	PASS
					-20	-2.33	-0.00091	PASS
					-10	0.36	0.00014	PASS
					0	-3.59	-0.0014	PASS
					10	-3.33	-0.0013	PASS
					20	-3.33	-0.0013	PASS
					30	-2.56	-0.001	PASS
					40	-3.65	-0.00142	PASS
					50	-2.13	-0.00083	PASS
		10	LCH	VN	-30	-6.31	-0.00252	PASS
					-20	-8.48	-0.00339	PASS
					-10	-5.89	-0.00235	PASS
					0	-7.05	-0.00281	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-3.22	-0.00129	PASS
					20	-6.47	-0.00258	PASS
					30	-4.78	-0.00191	PASS
					40	-1.83	-0.00073	PASS
					50	-3.93	-0.00157	PASS
			MCH	VN	-30	-2.12	-0.00084	PASS
					-20	-3.46	-0.00136	PASS
					-10	-0.06	-0.00002	PASS
					0	-1.77	-0.0007	PASS
					10	-1.02	-0.0004	PASS
					20	-1.24	-0.00049	PASS
					30	-3.16	-0.00125	PASS
					40	-0.64	-0.00025	PASS
					50	-1.77	-0.0007	PASS
			HCH	VN	-30	-2.95	-0.00115	PASS
					-20	-3.12	-0.00122	PASS
					-10	-1.63	-0.00064	PASS
					0	-0.66	-0.00026	PASS
					10	-2.03	-0.00079	PASS
					20	1.39	0.00054	PASS
					30	-0.82	-0.00032	PASS
					40	-1.06	-0.00041	PASS
					50	0.09	0.00004	PASS
		15	LCH	VN	-30	-3.34	-0.00693	PASS
					-20	-0.31	-0.01219	PASS
					-10	-1.89	-0.00818	PASS
					0	-1.24	-0.00932	PASS
					10	-0.64	-0.00397	PASS
					20	-3.13	-0.00696	PASS
					30	-0.45	-0.00829	PASS
					40	-0.34	-0.00661	PASS
					50	-3.32	-0.00582	PASS
			MCH	VN	-30	-0.7	-0.00086	PASS
					-20	-1.43	-0.00114	PASS
					-10	-1.36	-0.00112	PASS
					0	-0.59	-0.00081	PASS
					10	0.83	-0.00025	PASS
					20	-2.33	-0.0015	PASS
					30	-0.75	-0.00087	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.26	-0.00147	PASS
					50	0.78	-0.00027	PASS
			HCH	VN	-30	-2.39	-0.0015	PASS
					-20	-1.59	-0.00119	PASS
					-10	1.03	-0.00017	PASS
					0	0.48	-0.00038	PASS
					10	2.37	0.00035	PASS
					20	-2.08	-0.00138	PASS
					30	-0.12	-0.00062	PASS
					40	-1.15	-0.00102	PASS
					50	-2.16	-0.00141	PASS
		20	LCH	VN	-30	-2.53	-0.00159	PASS
					-20	-1.72	-0.00127	PASS
					-10	-5.24	-0.00267	PASS
					0	-10.43	-0.00474	PASS
					10	-2.19	-0.00146	PASS
					20	0.81	-0.00026	PASS
					30	-3.44	-0.00196	PASS
					40	-0.22	-0.00067	PASS
					50	1.49	0.00001	PASS
			MCH	VN	-30	0.97	-0.0002	PASS
					-20	0.43	-0.00041	PASS
					-10	1.24	-0.00009	PASS
					0	-0.8	-0.00089	PASS
					10	-1.91	-0.00133	PASS
					20	0.84	-0.00025	PASS
					30	-0.32	-0.00071	PASS
					40	-0.15	-0.00064	PASS
					50	-1.96	-0.00135	PASS
			HCH	VN	-30	-0.35	-0.00071	PASS
					-20	-1.3	-0.00108	PASS
					-10	0.68	-0.00031	PASS
					0	-0.98	-0.00095	PASS
					10	1	-0.00018	PASS
					20	-2.76	-0.00165	PASS
					30	-0.25	-0.00067	PASS
					40	-1.02	-0.00097	PASS
					50	-1.92	-0.00132	PASS
	LTE/TM2	5	LCH	VN	-30	-4.09	-0.00222	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-20	-7.8	-0.00371	PASS
					-10	0.4	-0.00043	PASS
					0	-3.29	-0.0019	PASS
					10	-0.29	-0.00071	PASS
					20	3.4	0.00077	PASS
					30	-0.15	-0.00065	PASS
					40	0.37	-0.00044	PASS
					50	-1.99	-0.00138	PASS
			MCH	VN	-30	-0.36	-0.00072	PASS
					-20	-0.68	-0.00085	PASS
					-10	0.5	-0.00038	PASS
					0	3.12	0.00065	PASS
					10	-1.65	-0.00123	PASS
					20	3.62	0.00085	PASS
					30	0	-0.00058	PASS
					40	2.73	0.0005	PASS
					50	-1.06	-0.001	PASS
			HCH	VN	-30	2.11	0.00025	PASS
					-20	2.1	0.00025	PASS
					-10	2.63	0.00046	PASS
					0	-0.32	-0.00069	PASS
					10	0.28	-0.00046	PASS
					20	-1.91	-0.00131	PASS
					30	-3.11	-0.00178	PASS
					40	-0.32	-0.00069	PASS
					50	-3.39	-0.00189	PASS
		10	LCH	VN	-30	3.34	0.00074	PASS
					-20	11.46	0.00399	PASS
					-10	4.8	0.00133	PASS
					0	5.18	0.00148	PASS
					10	3.57	0.00084	PASS
					20	1.99	0.00021	PASS
					30	-1.82	-0.00131	PASS
					40	0.3	-0.00047	PASS
					50	3.07	0.00064	PASS
			MCH	VN	-30	0.11	-0.00054	PASS
					-20	1.73	0.0001	PASS
					-10	-0.83	-0.00091	PASS
					0	-2.66	-0.00163	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.5	-0.00038	PASS
					20	-0.46	-0.00076	PASS
					30	1.49	0.00001	PASS
					40	-0.47	-0.00076	PASS
					50	-0.02	-0.00059	PASS
			HCH	VN	-30	1.51	0.00002	PASS
					-20	-0.76	-0.00087	PASS
					-10	-1.52	-0.00116	PASS
					0	-2.26	-0.00145	PASS
					10	-0.66	-0.00083	PASS
					20	-1.48	-0.00115	PASS
					30	0.3	-0.00045	PASS
					40	0.44	-0.00004	PASS
					50	1.56	0.00004	PASS
		15	LCH	VN	-30	8.9	0.00296	PASS
					-20	5.48	0.0016	PASS
					-10	2.89	0.00056	PASS
					0	2.54	0.00043	PASS
					10	1.7	0.00009	PASS
					20	3	0.00061	PASS
					30	0.17	-0.00052	PASS
					40	-0.16	-0.00065	PASS
					50	-1.02	-0.00099	PASS
			MCH	VN	-30	0.18	-0.00051	PASS
					-20	-0.82	-0.0009	PASS
					-10	1.71	0.0001	PASS
					0	-1.58	-0.0012	PASS
					10	-0.29	-0.00069	PASS
					20	-1.15	-0.00103	PASS
					30	-0.52	-0.00078	PASS
					40	-4.04	-0.00217	PASS
					50	-2.59	-0.0016	PASS
			HCH	VN	-30	3.04	0.00062	PASS
					-20	0.93	-0.00021	PASS
					-10	-1.13	-0.00101	PASS
					0	0.4	-0.00041	PASS
					10	-0.56	-0.00079	PASS
					20	0.18	-0.00005	PASS
					30	-0.22	-0.00066	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		20			40	-0.06	-0.00059	PASS
					50	-1.25	-0.00106	PASS
			LCH	VN	-30	-6.3	-0.0031	PASS
					-20	-4.19	-0.00226	PASS
					-10	-5.44	-0.00275	PASS
					0	-1.52	-0.00119	PASS
					10	-5.45	-0.00276	PASS
					20	-2.99	-0.00178	PASS
					30	-1	-0.00099	PASS
					40	-5.18	-0.00265	PASS
					50	-0.73	-0.00088	PASS
			MCH	VN	-30	-2.06	-0.00139	PASS
					-20	0.53	-0.00037	PASS
					-10	-0.09	-0.00061	PASS
					0	1.21	-0.0001	PASS
					10	-2.12	-0.00142	PASS
					20	-1.5	-0.00117	PASS
					30	0.18	-0.00051	PASS
					40	1.08	-0.00015	PASS
					50	1.73	0.0001	PASS
			HCH	VN	-30	-0.15	-0.00063	PASS
					-20	0.76	-0.00027	PASS
					-10	0.81	-0.00025	PASS
					0	-0.22	-0.00066	PASS
					10	-1.98	-0.00134	PASS
					20	1.43	-0.00001	PASS
					30	-0.43	-0.00074	PASS
					40	0.17	-0.00005	PASS
					50	-0.2	-0.00065	PASS

END