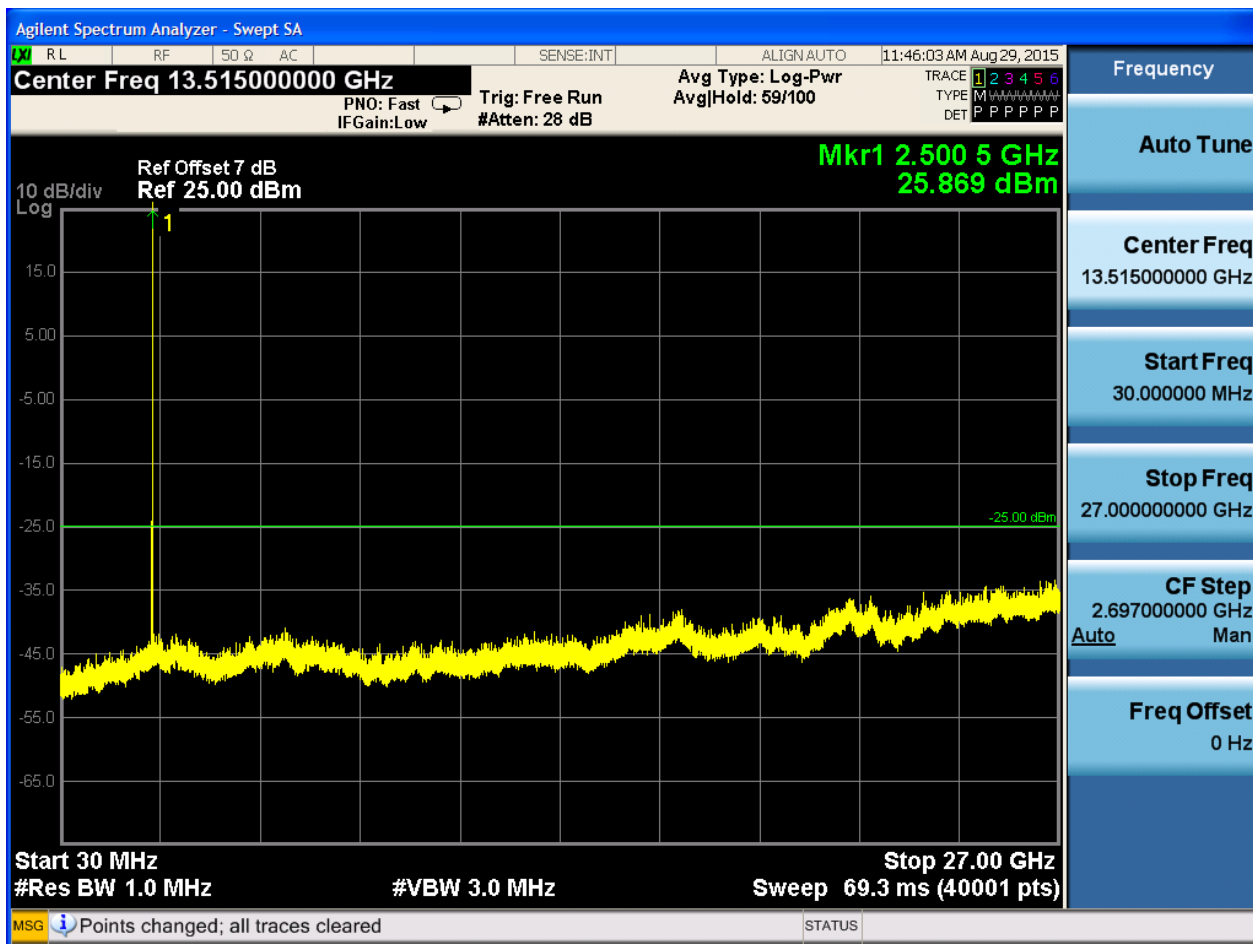
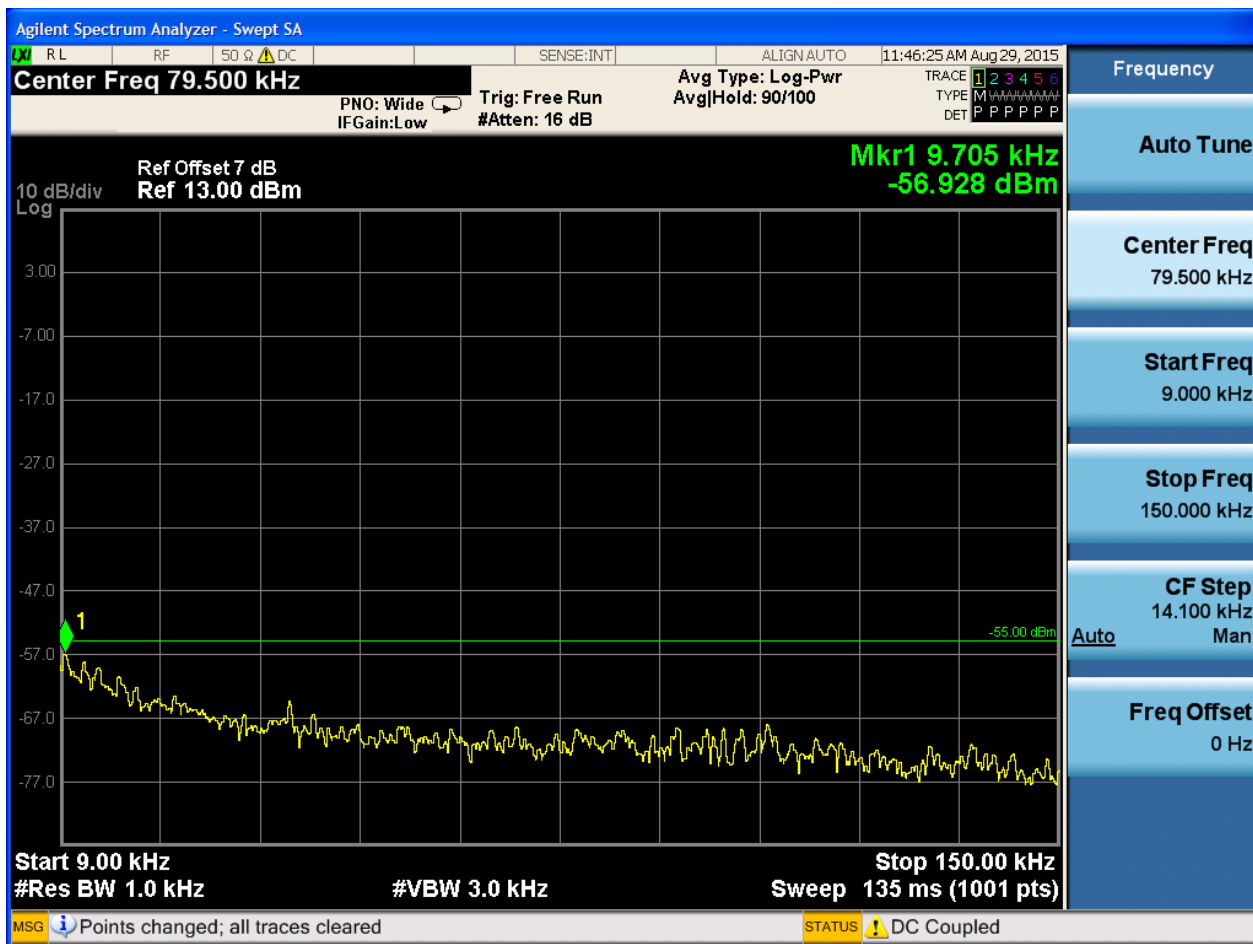
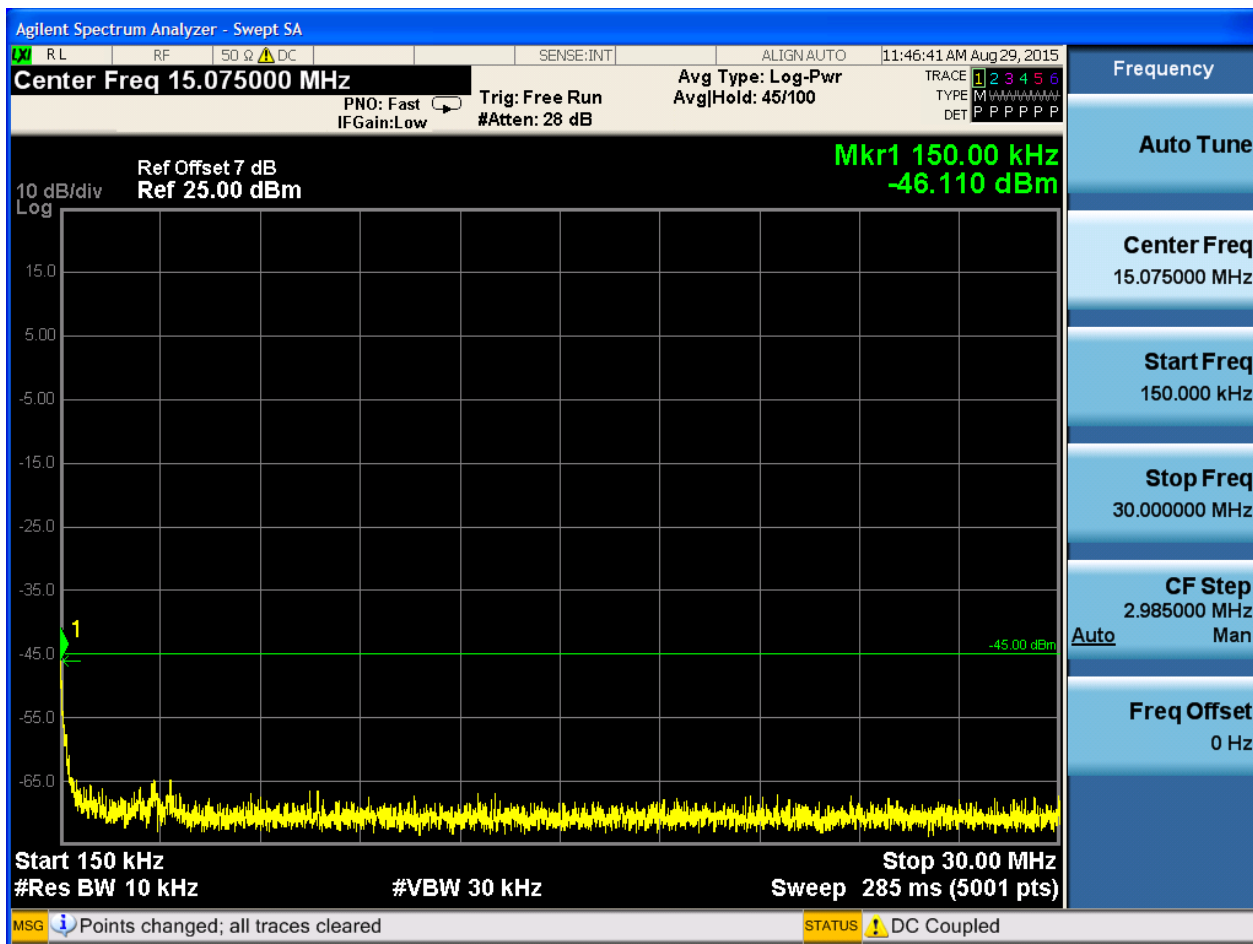


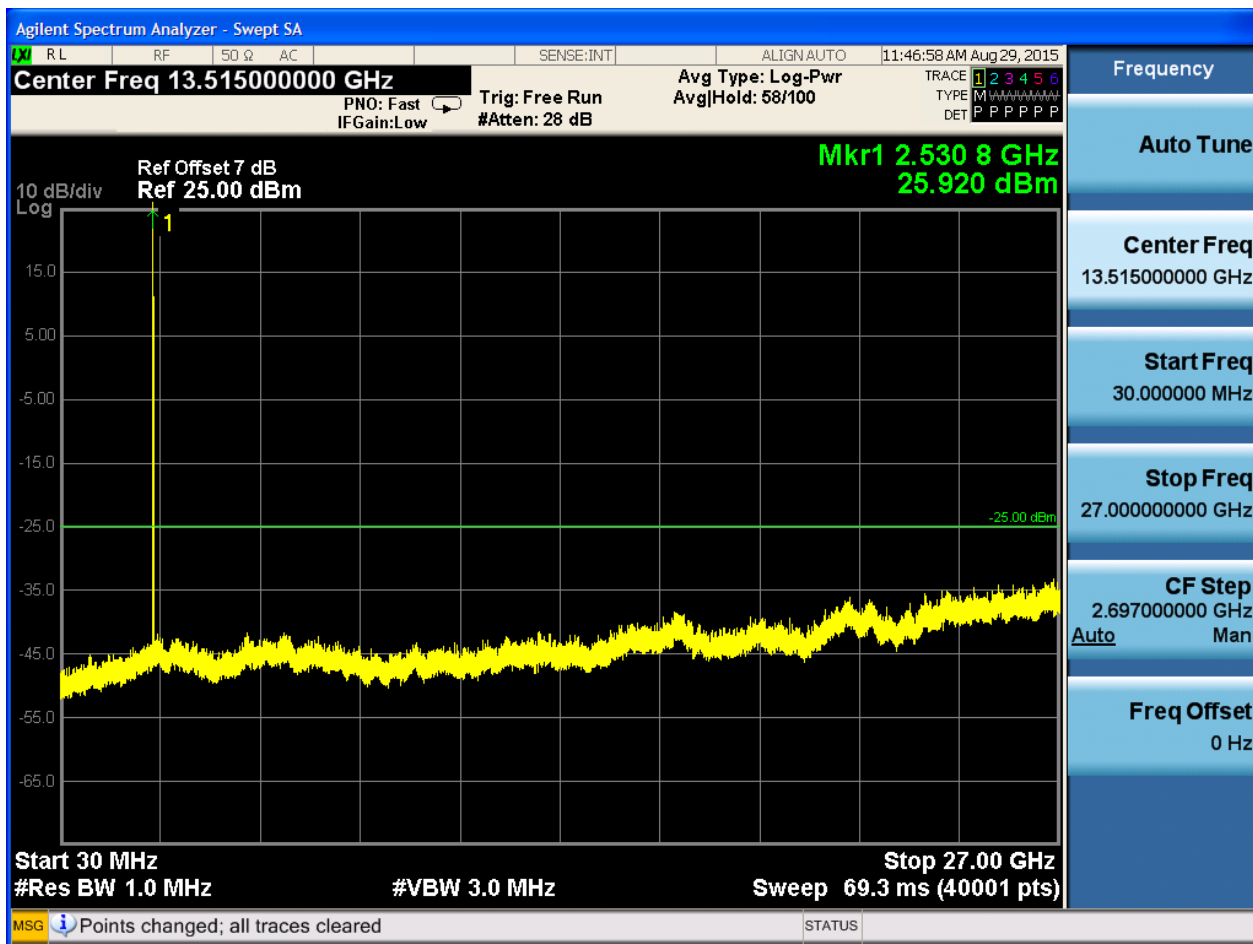


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



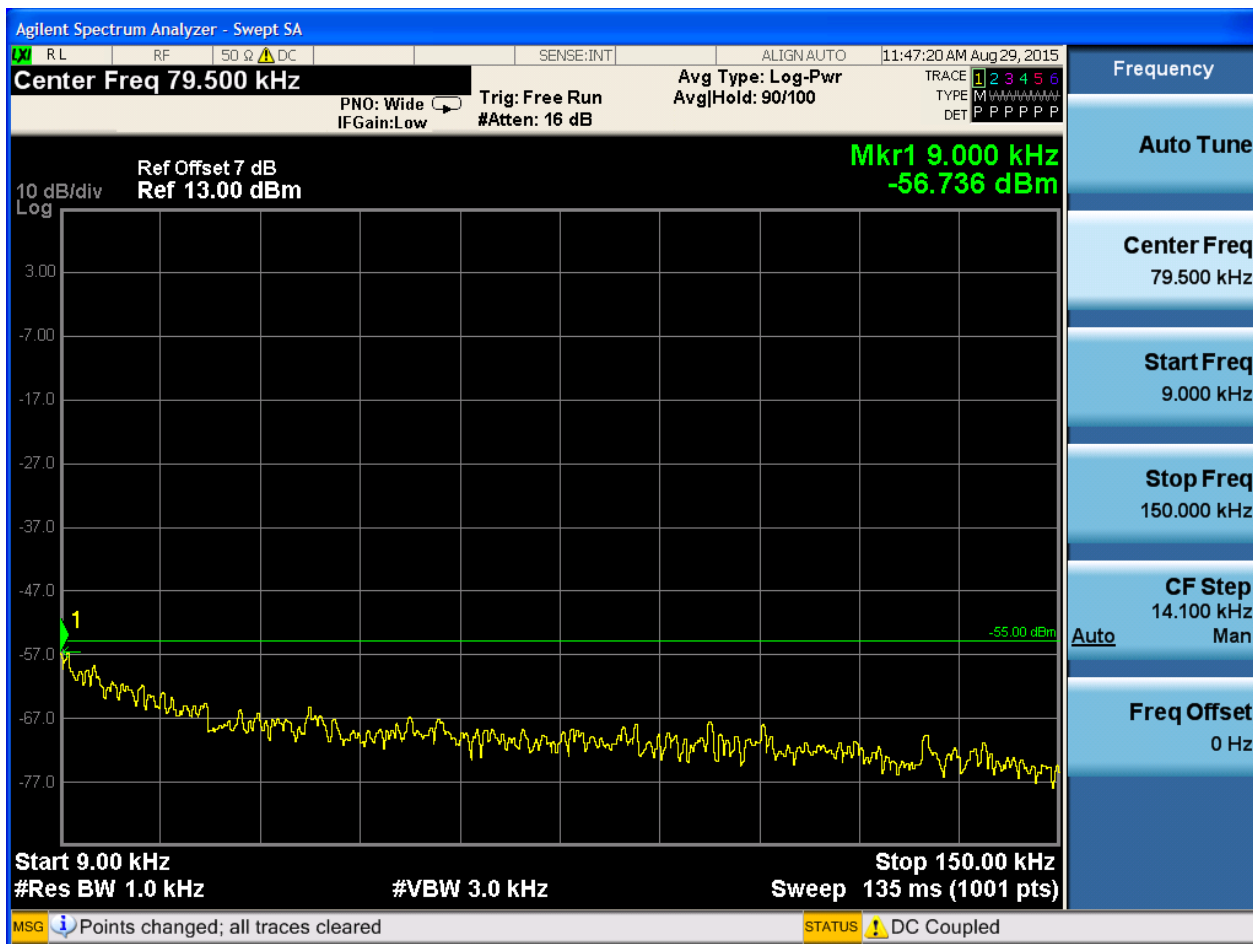




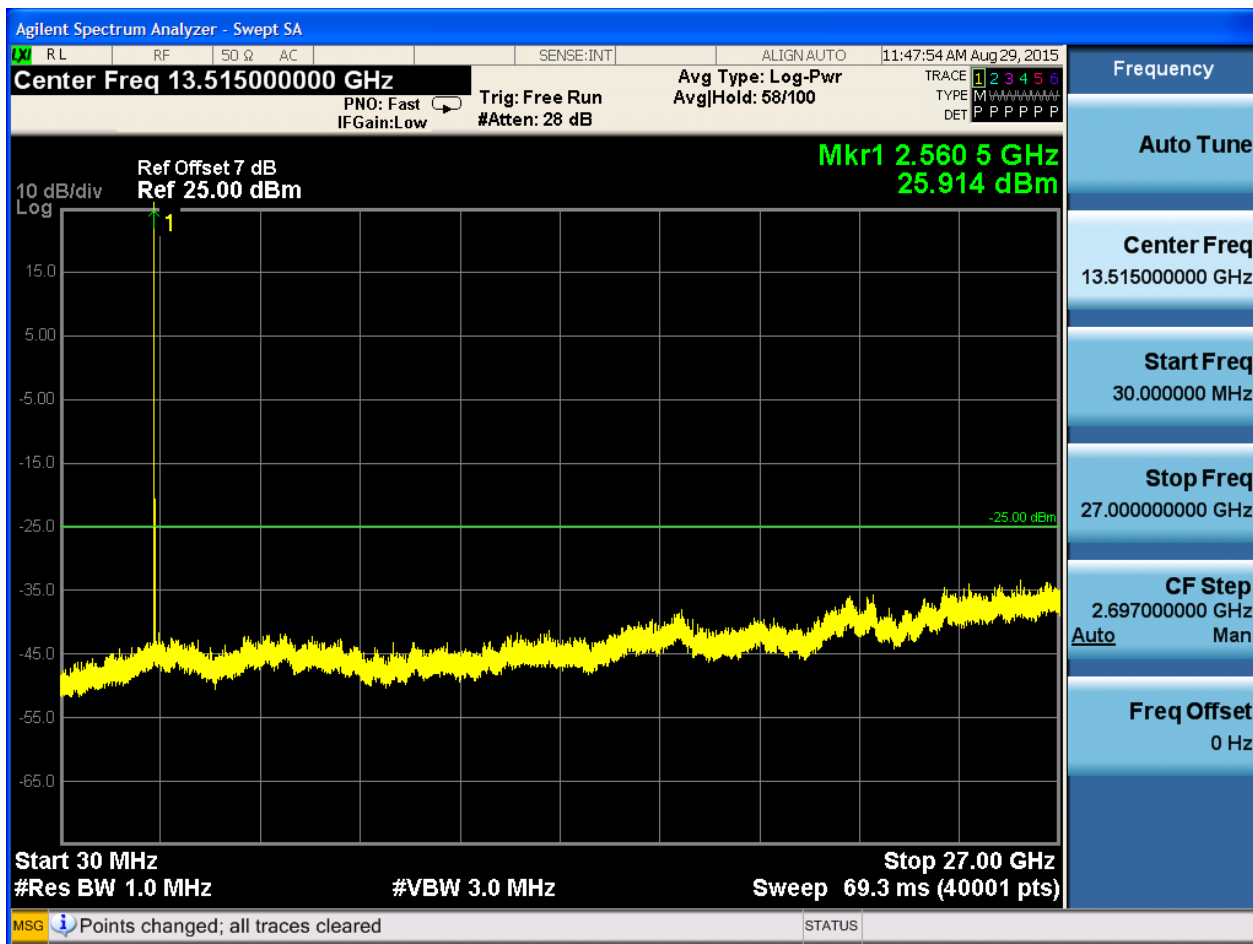


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



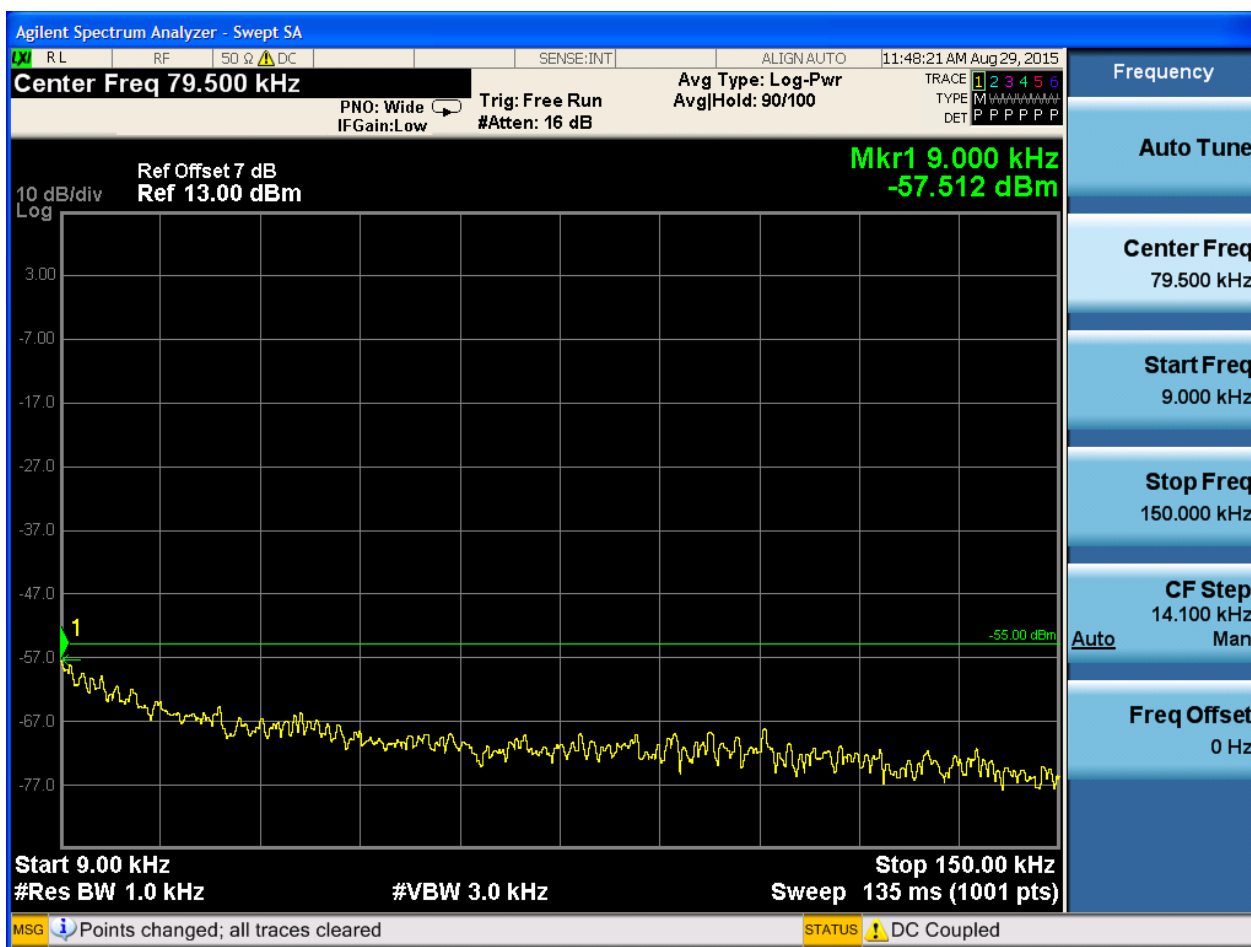




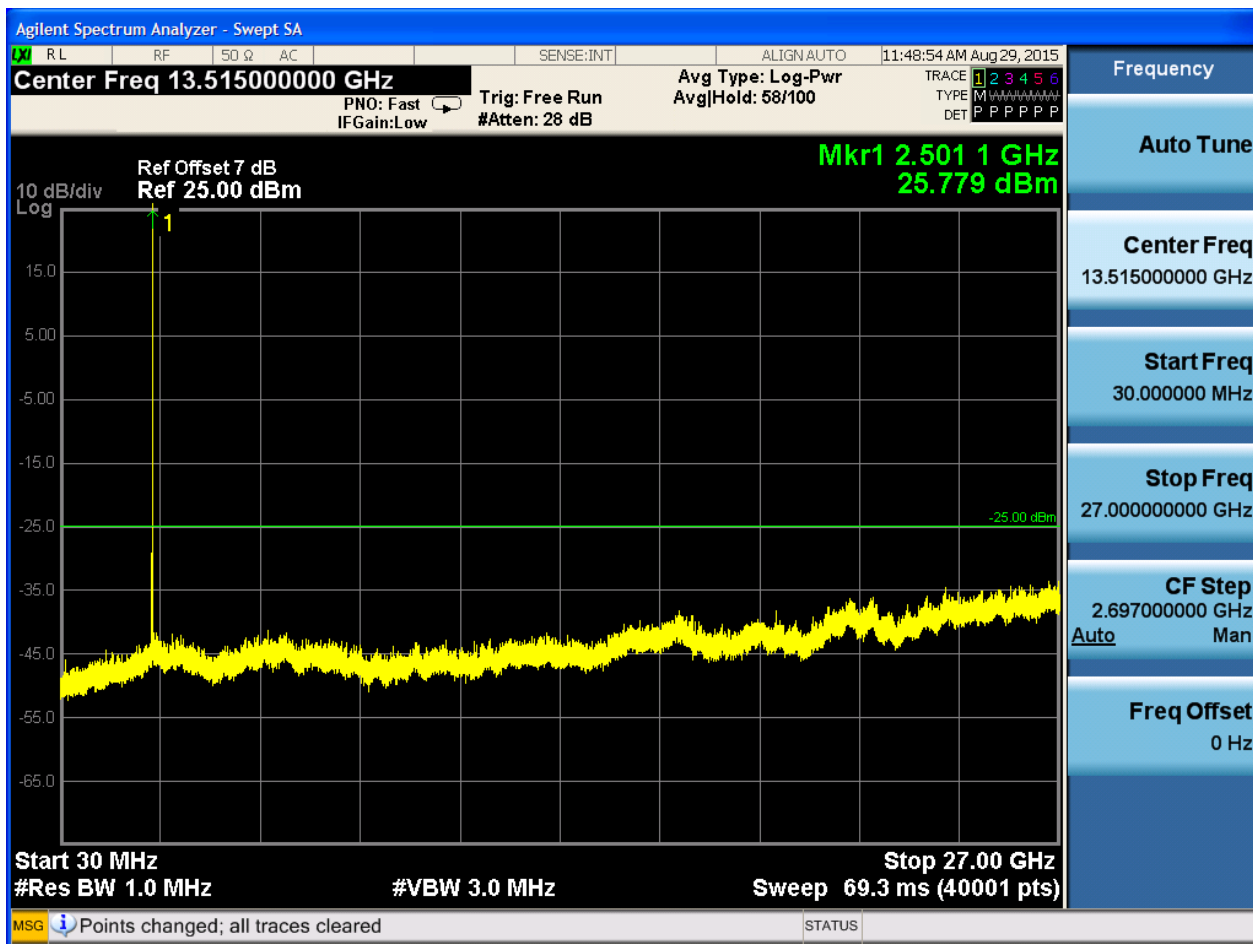
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

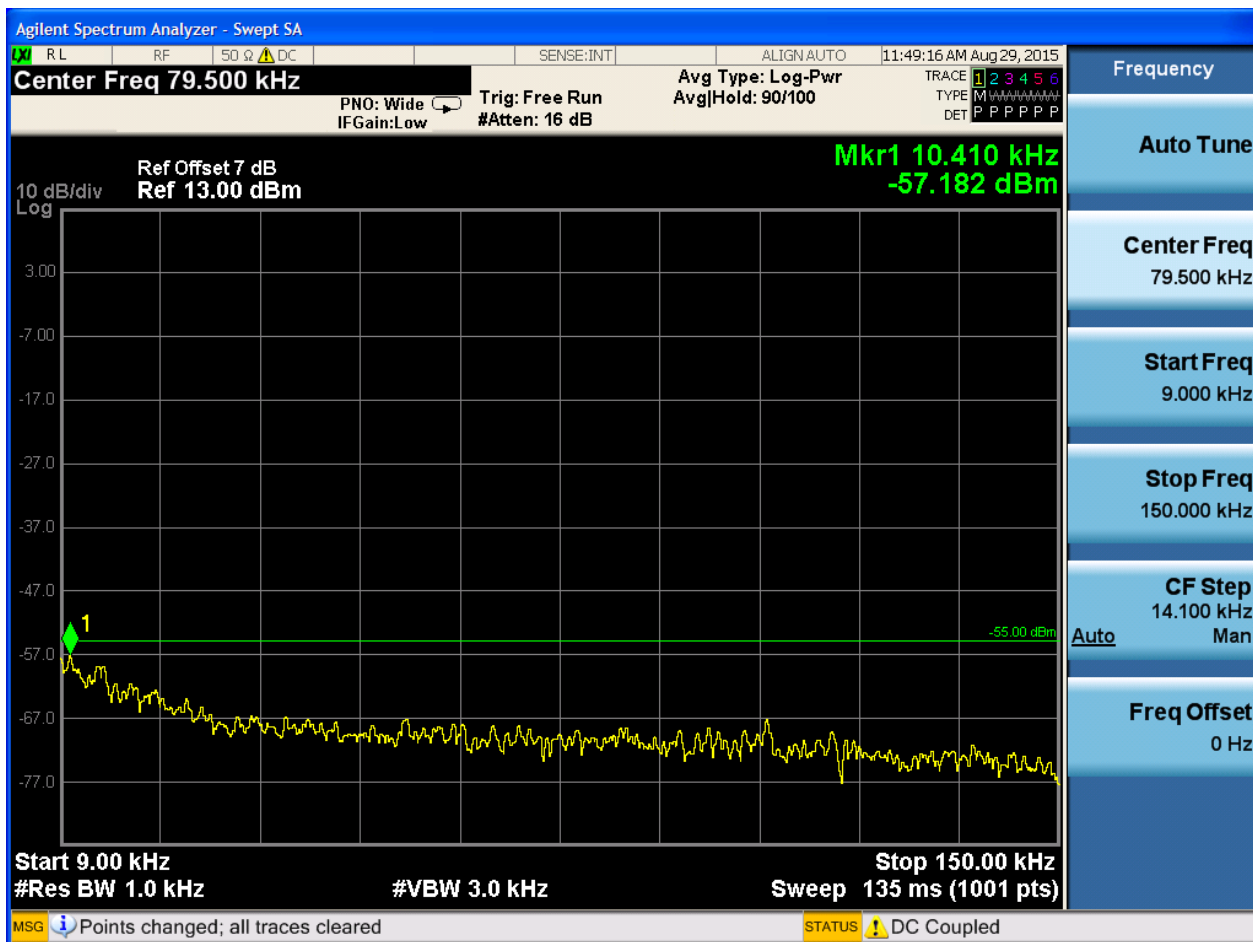




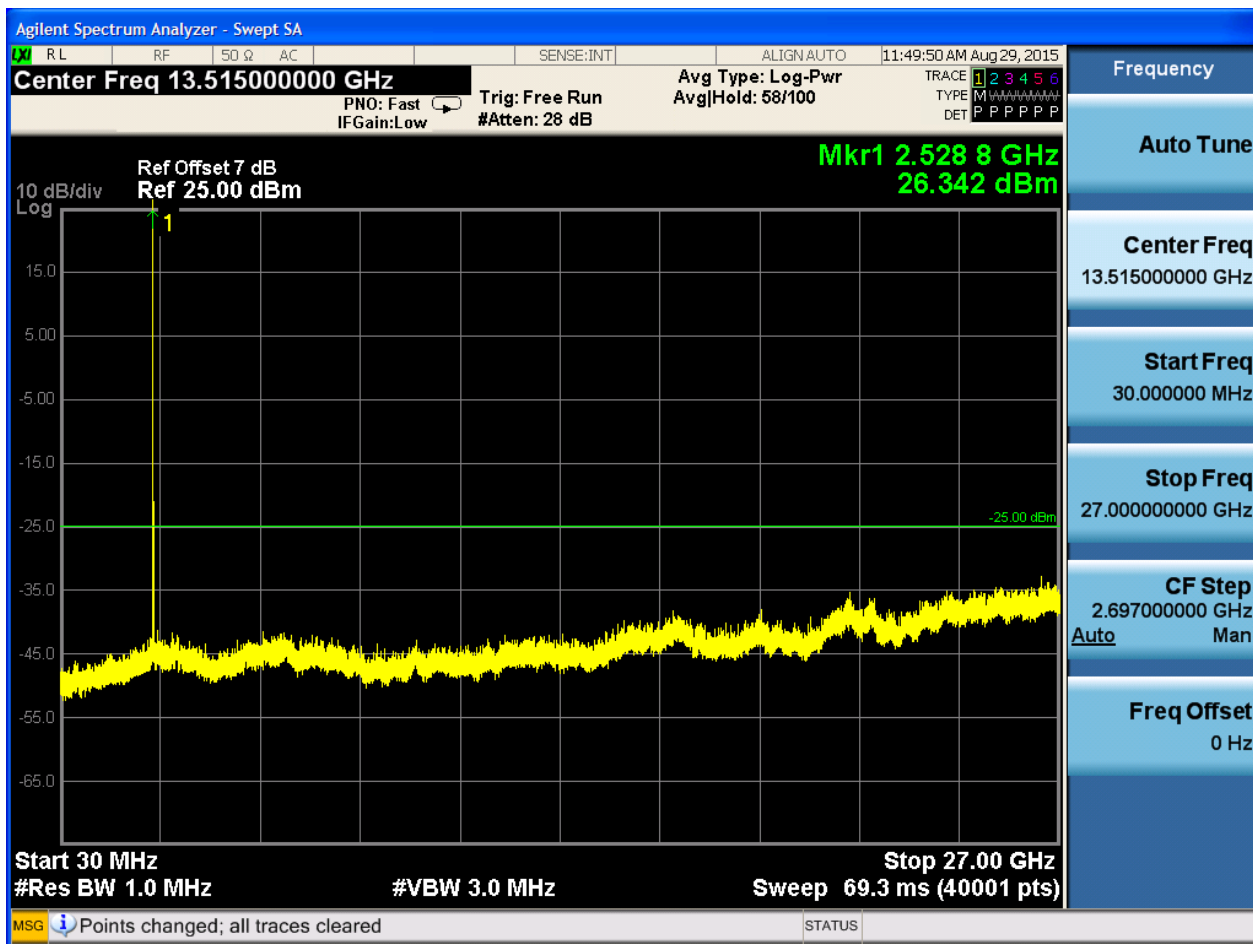


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

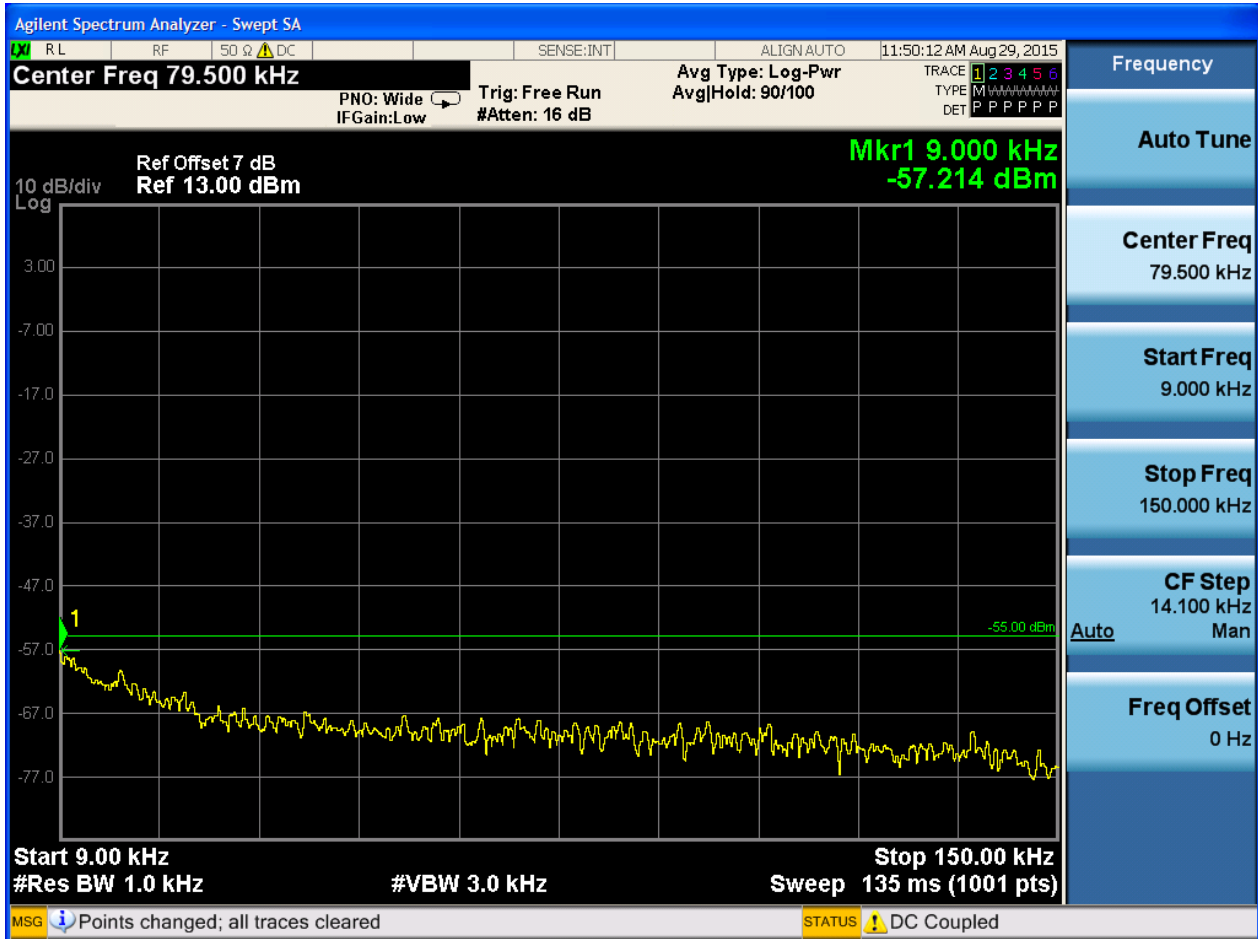




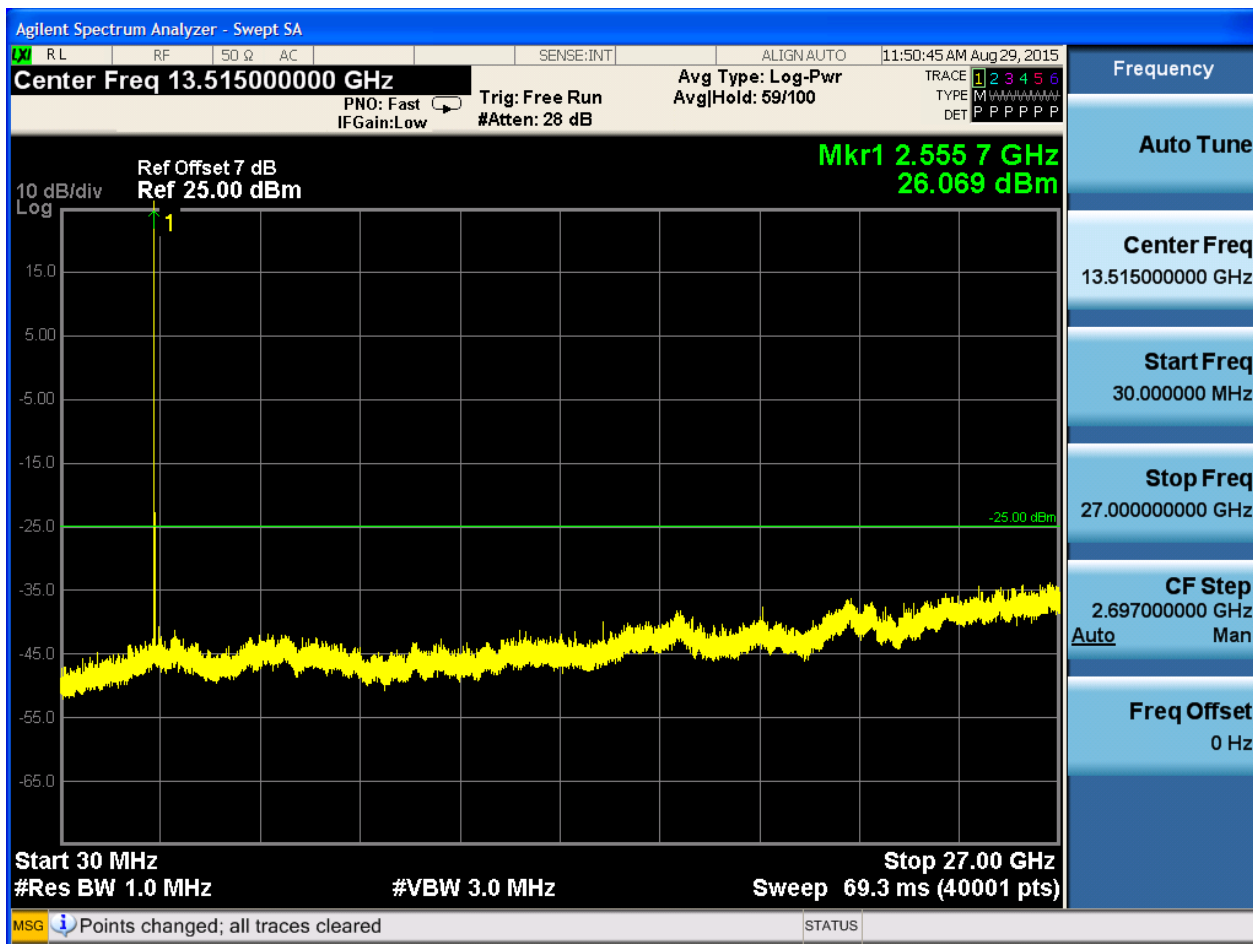


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0

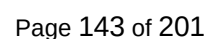


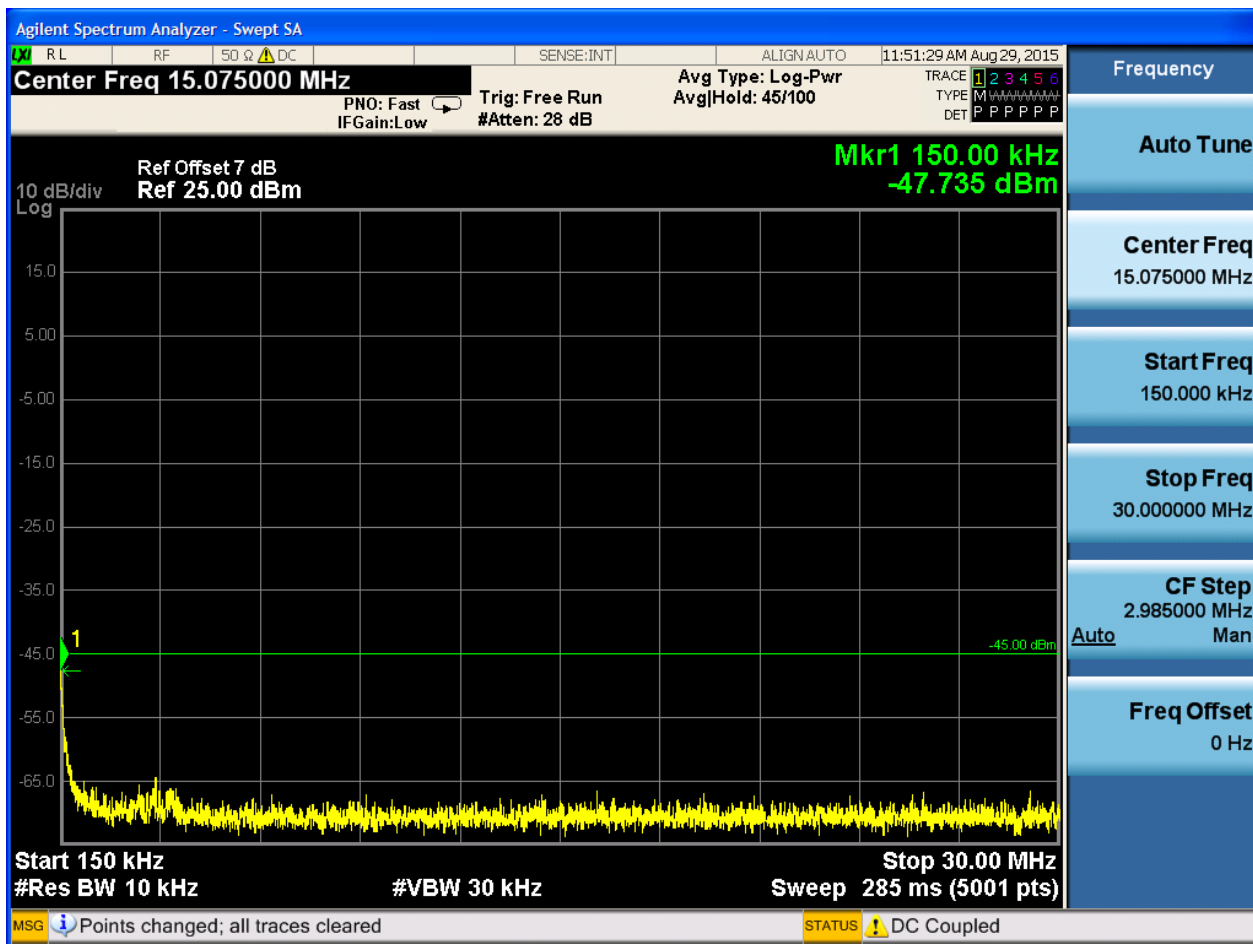


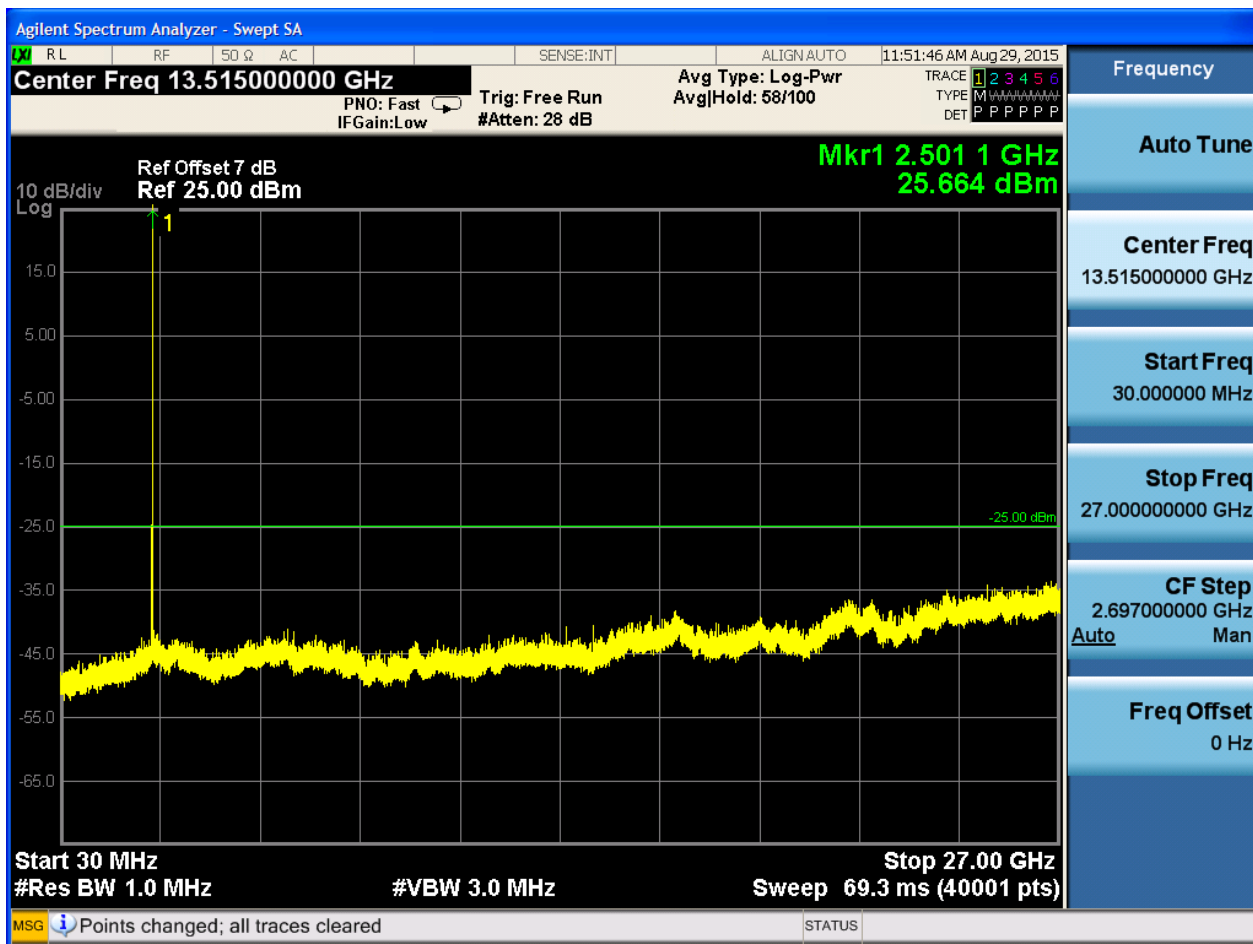




6.1.1.1.4.1.1 Test RB = RB1#0

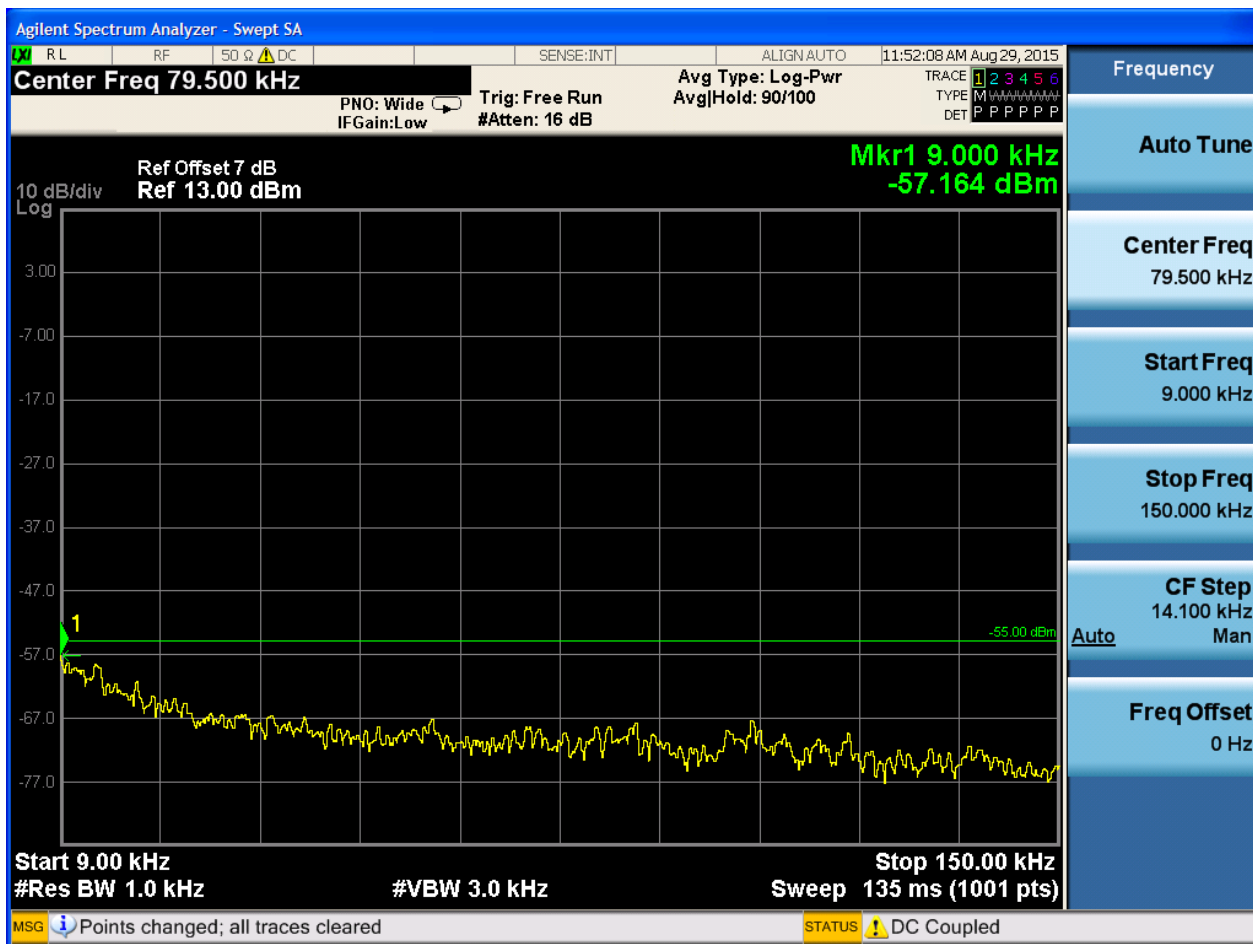




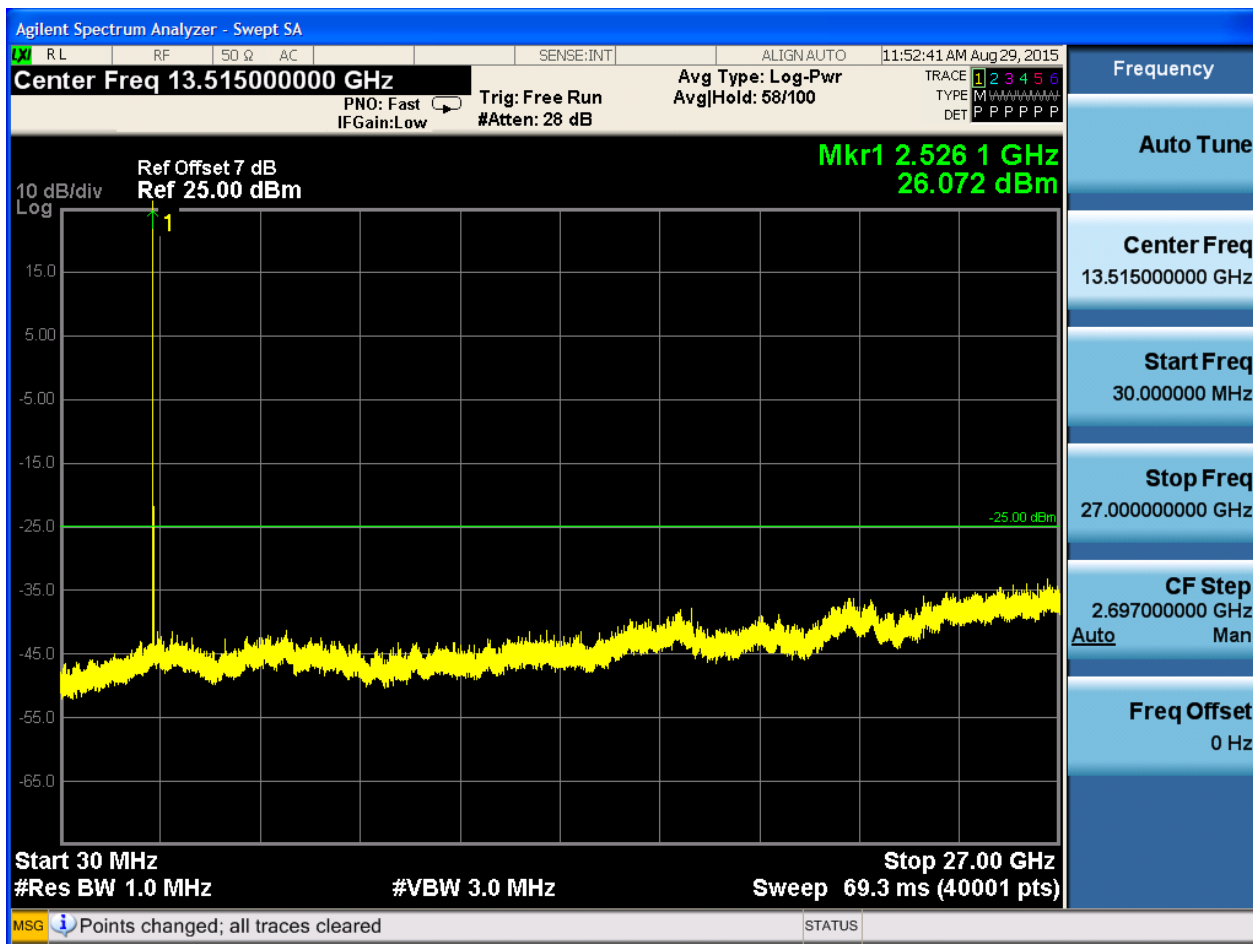


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





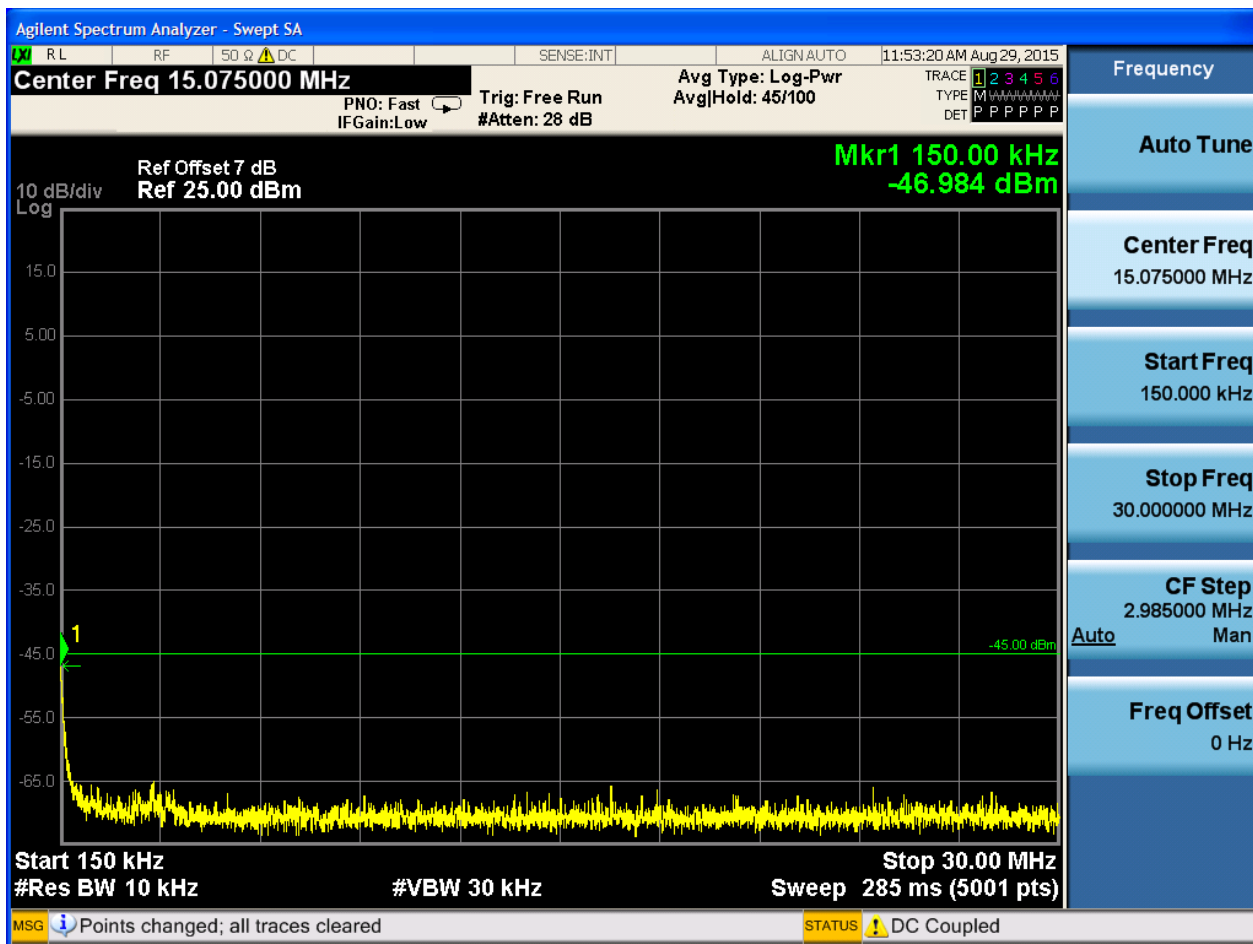


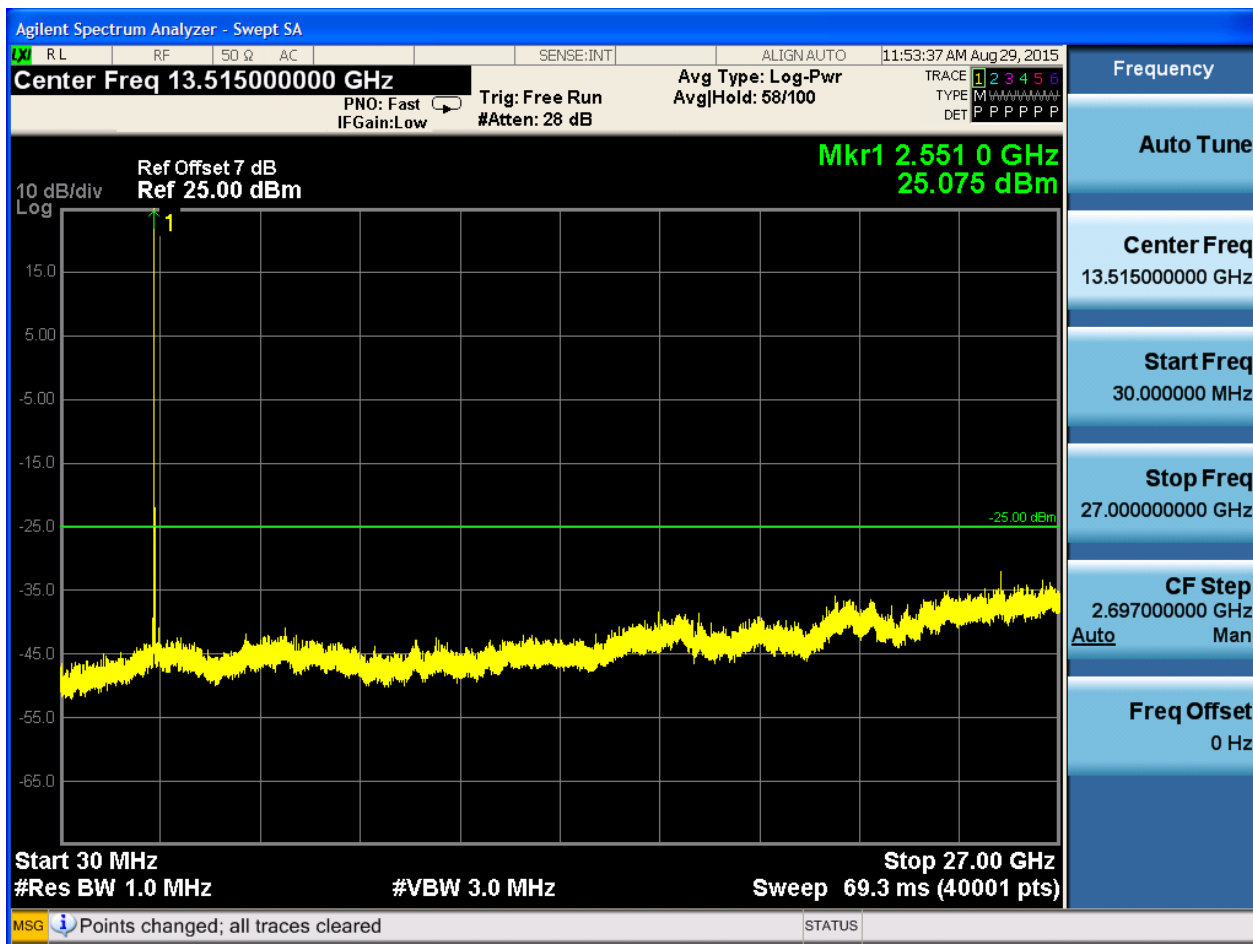


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







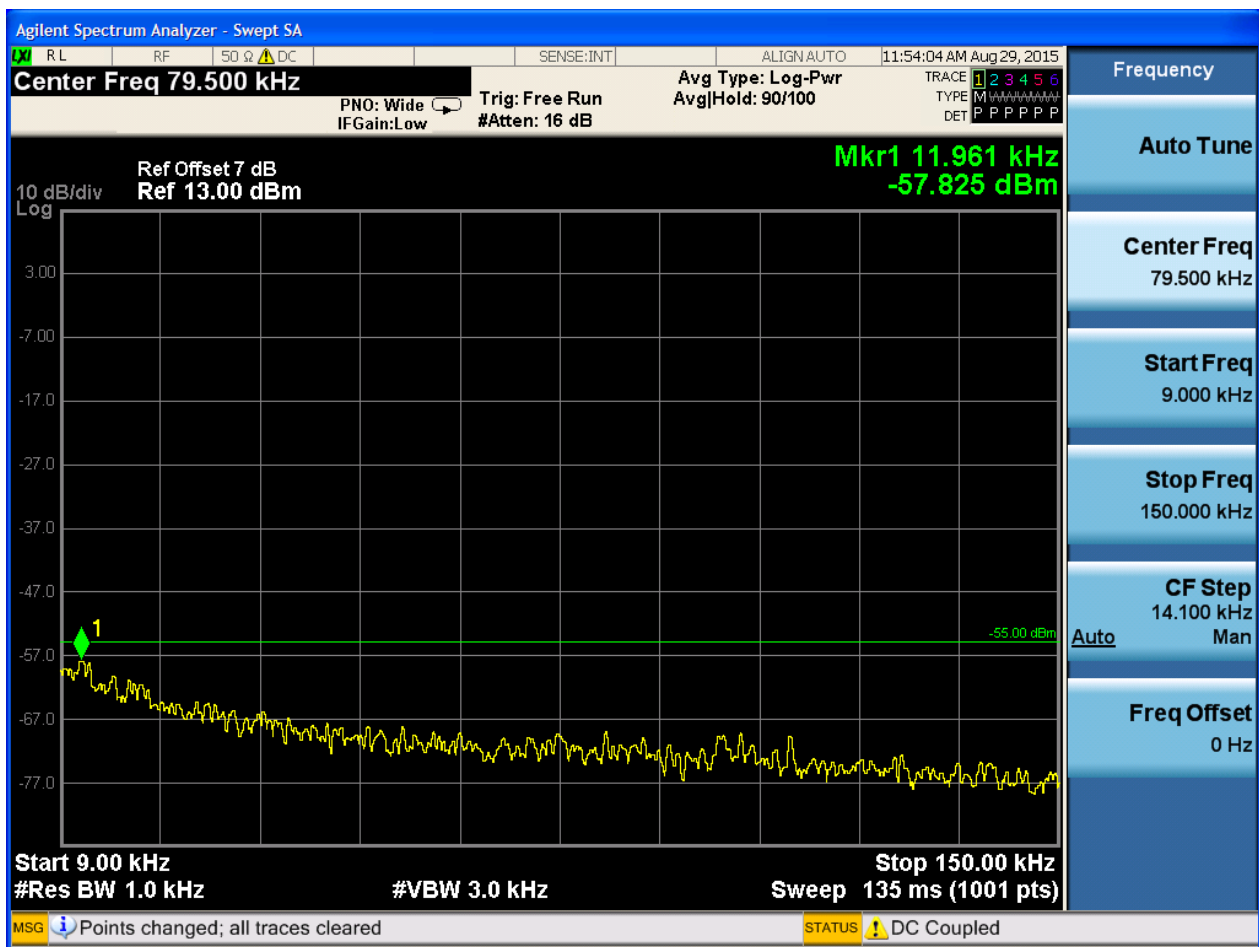


6.1.1.2 Test Mode = LTE/TM2

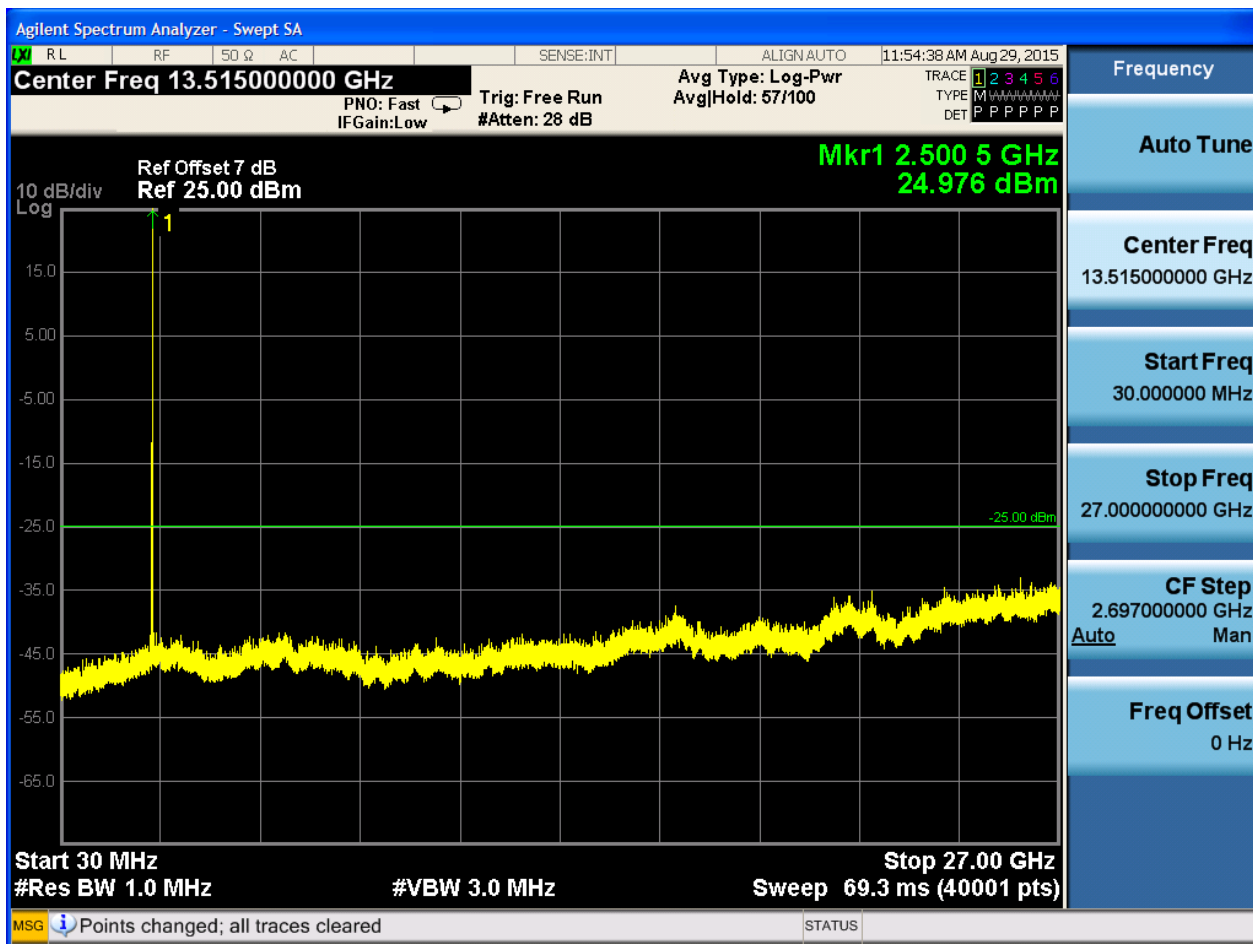
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



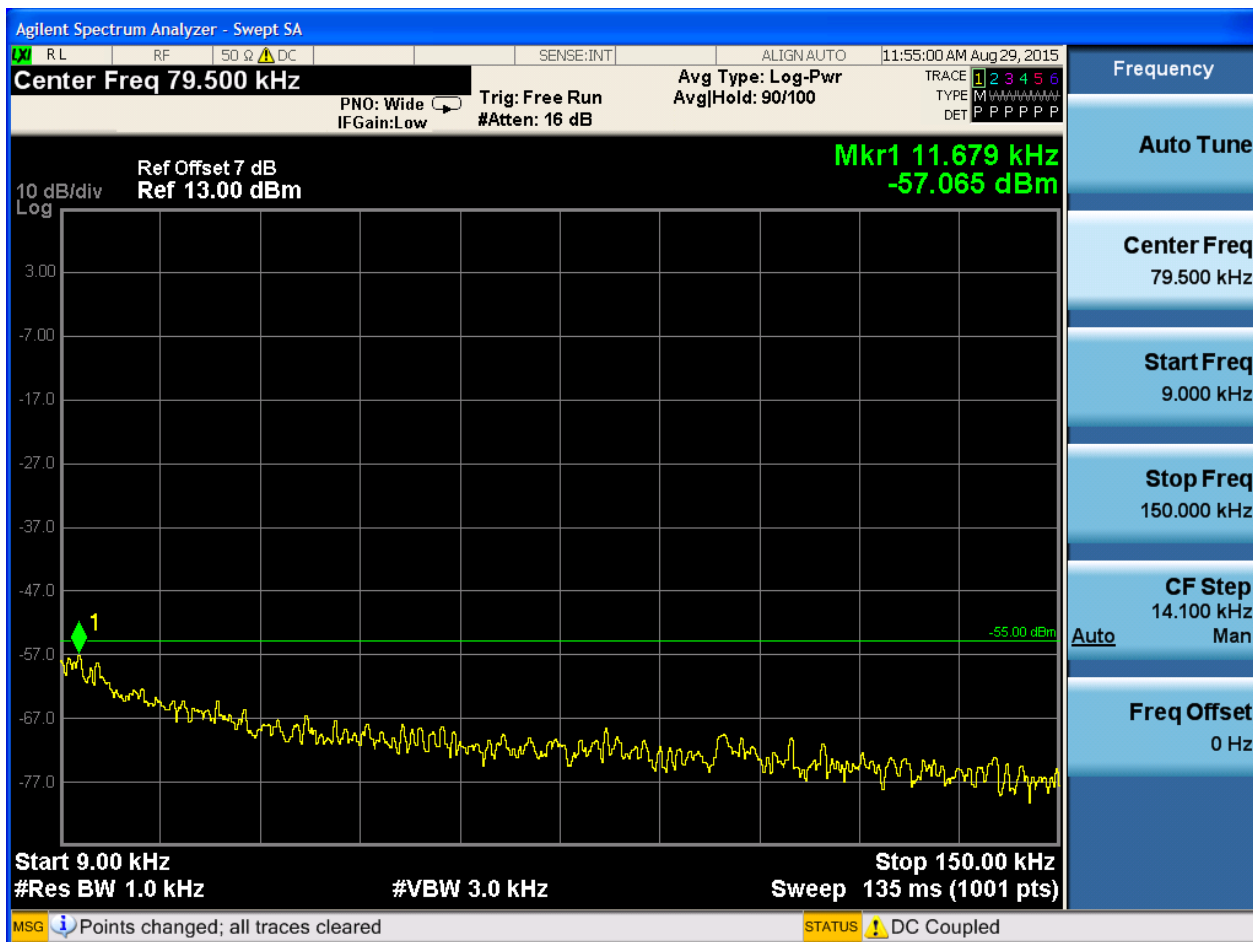


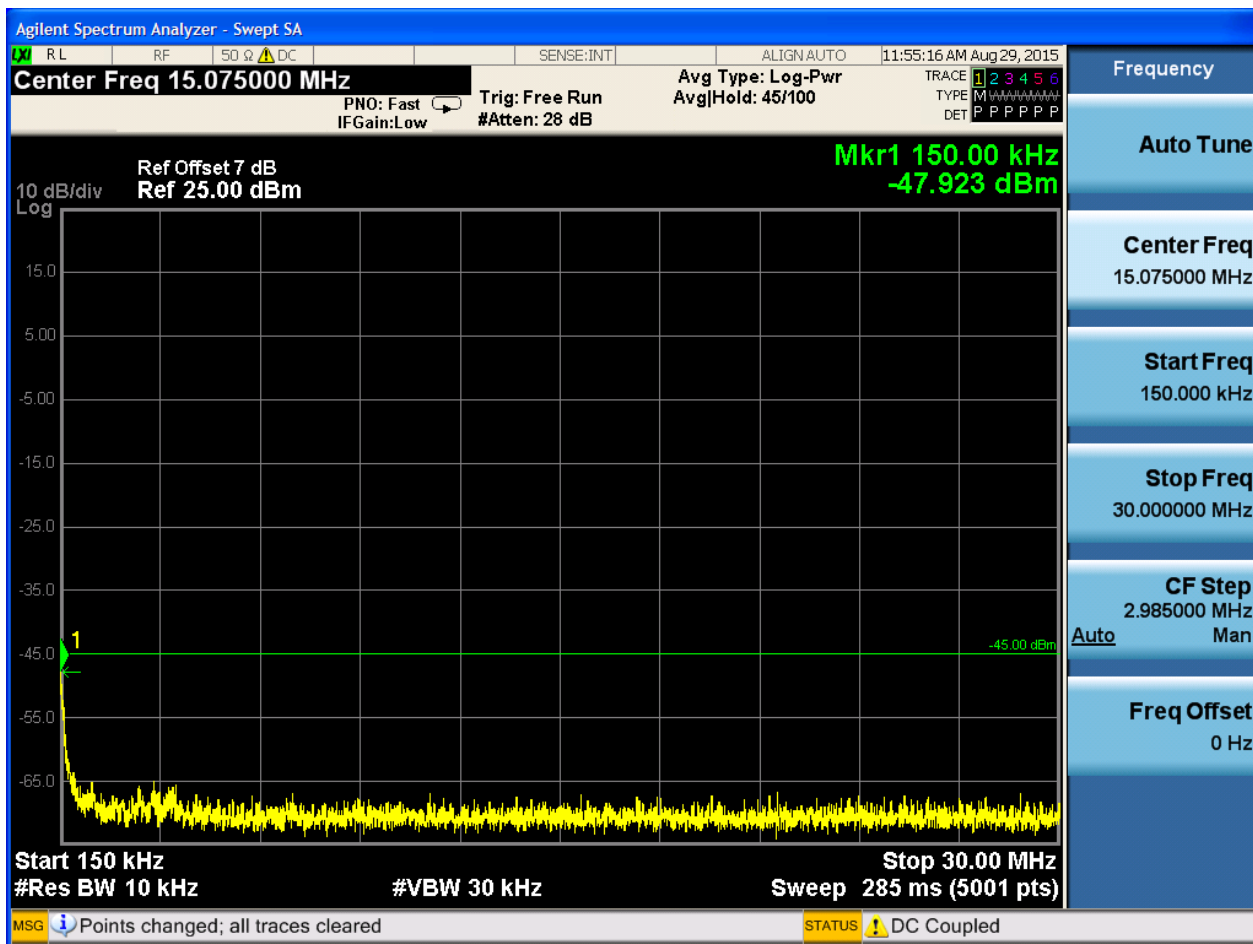


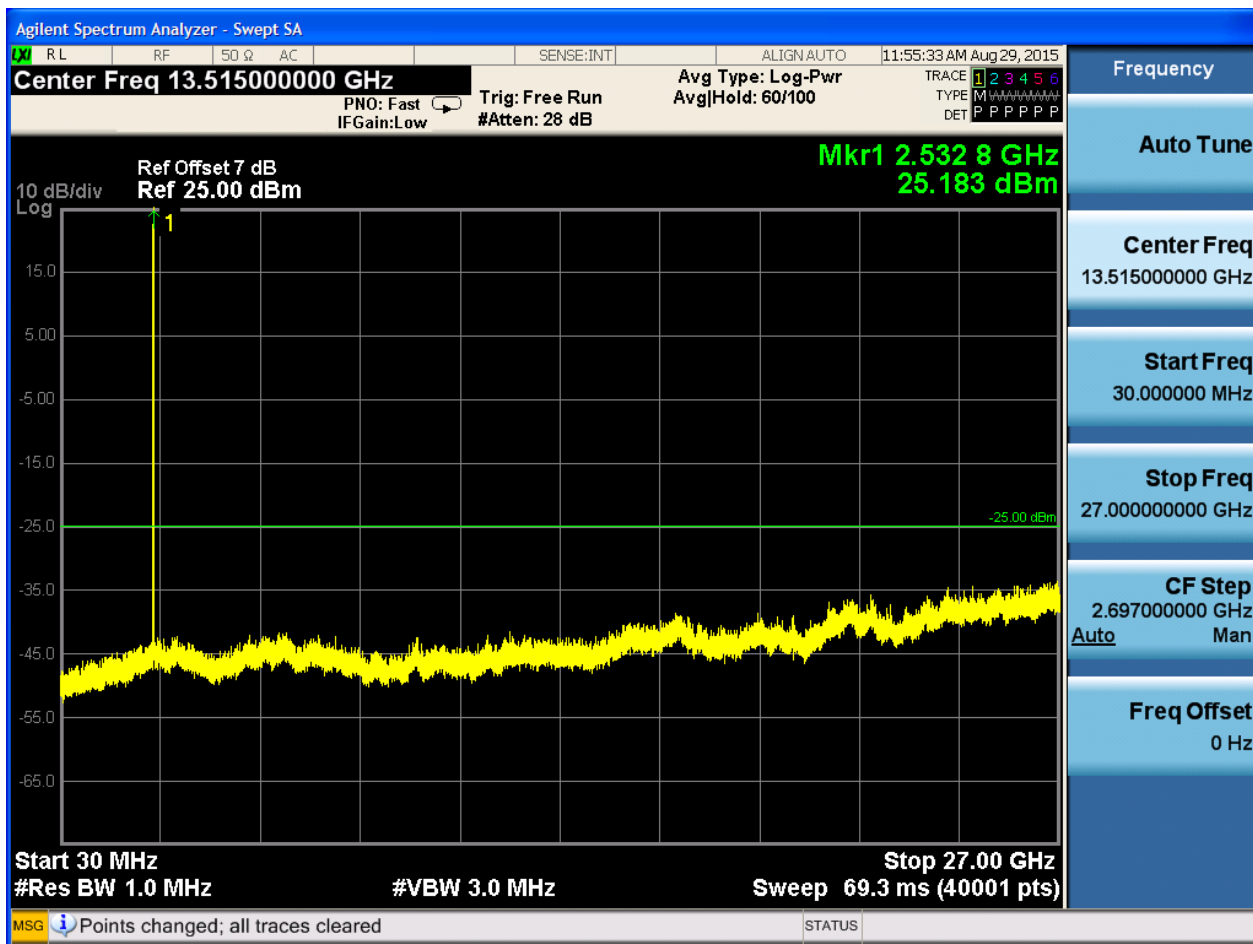


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



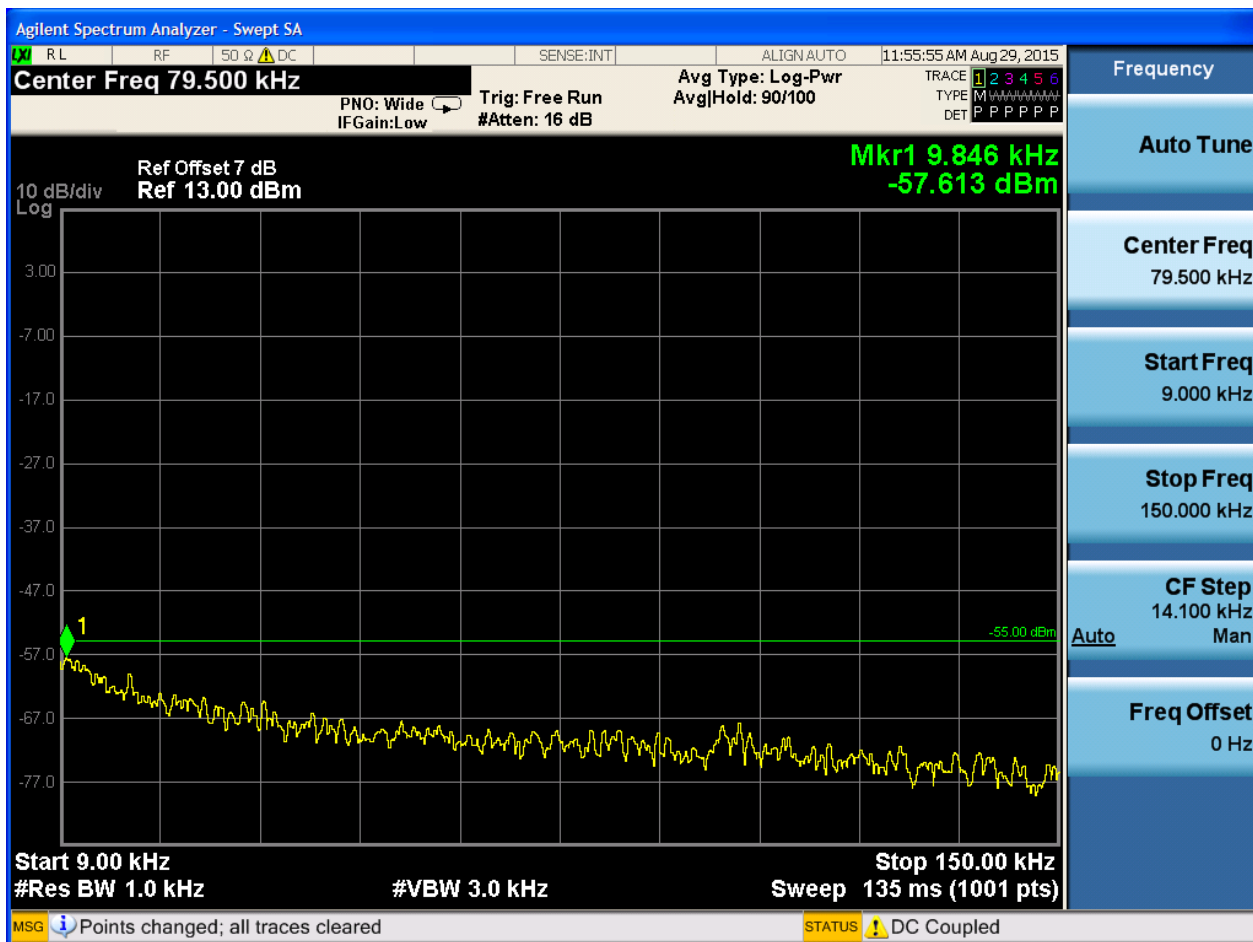


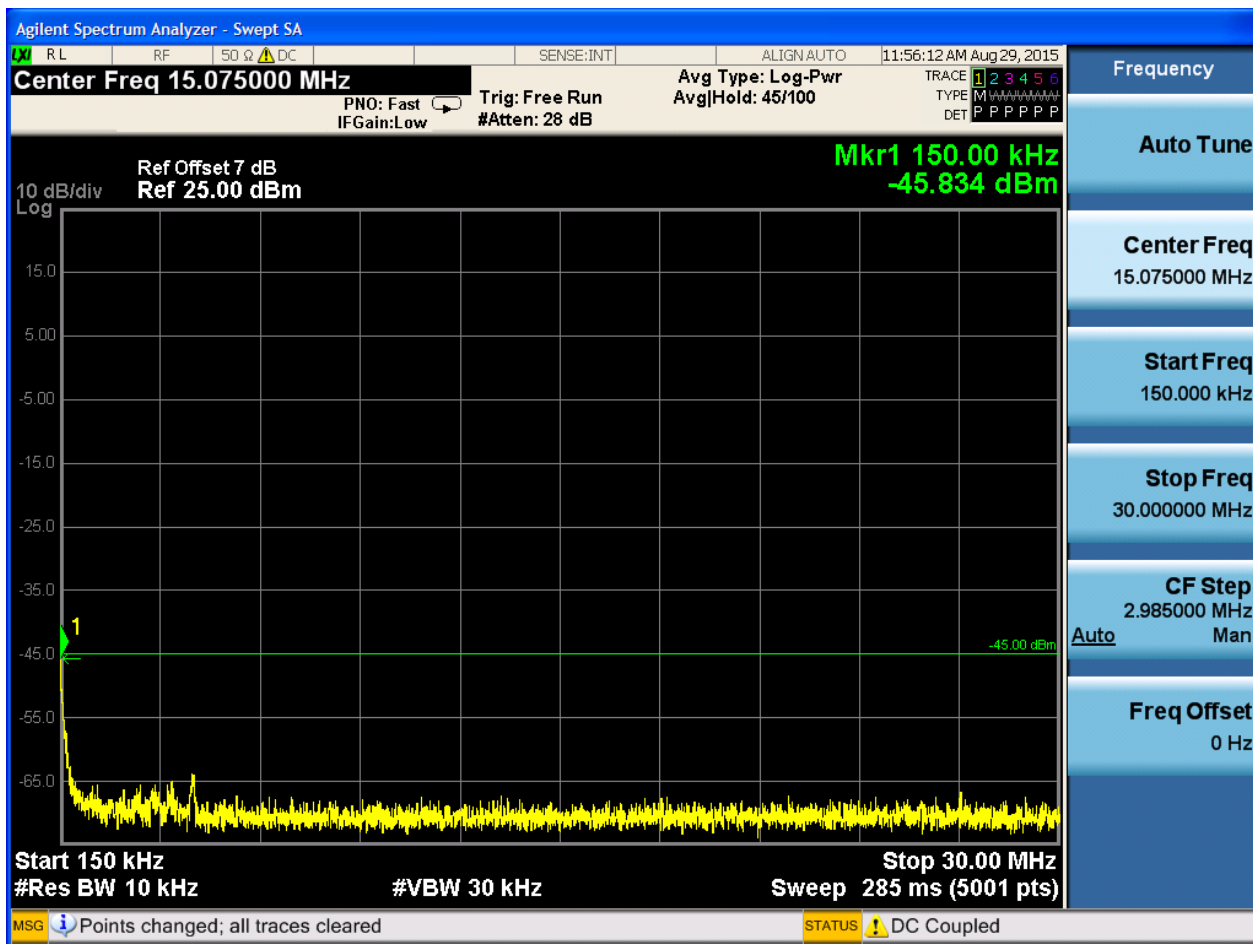


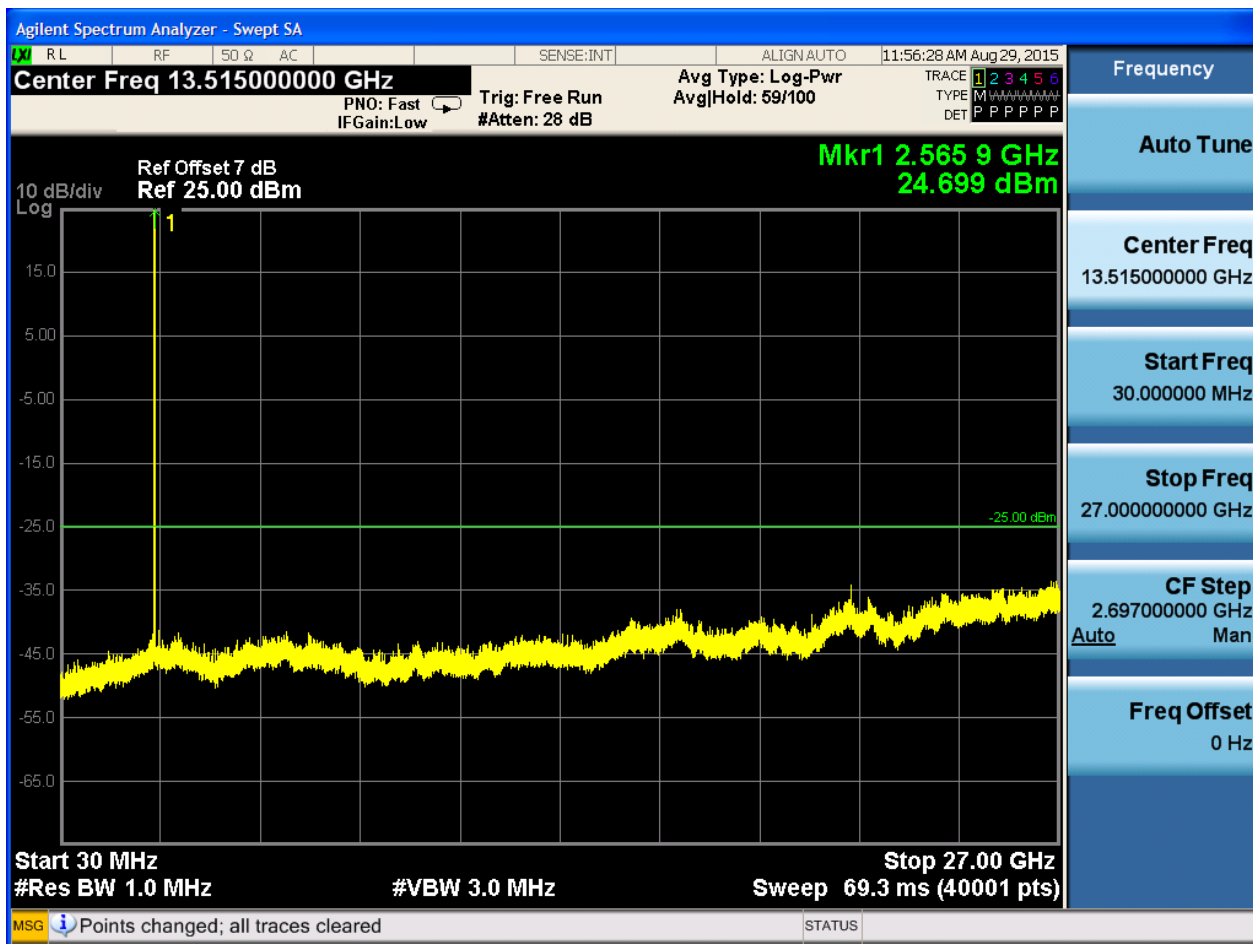


6.1.1.2.1.3 Test Channel = HCH

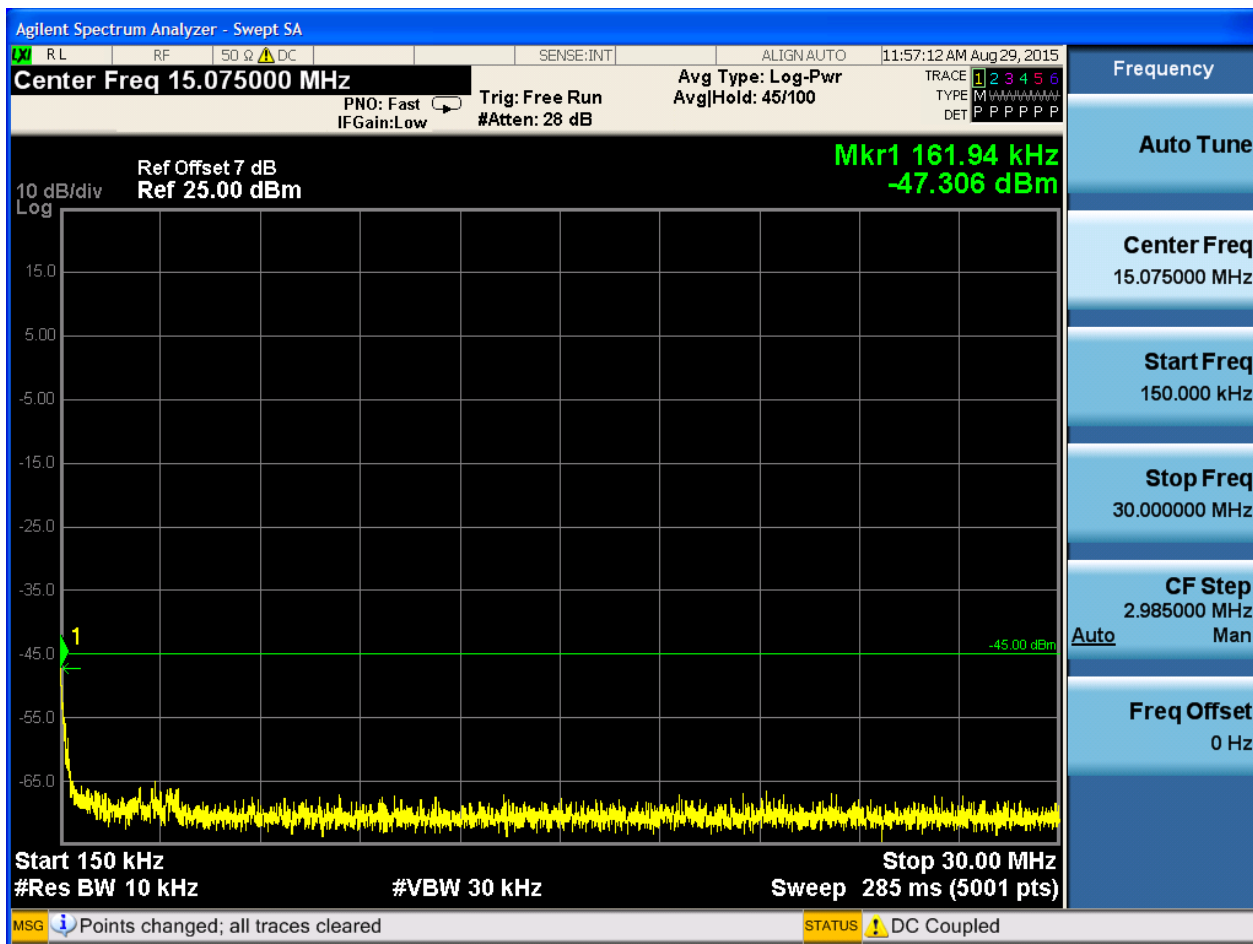
6.1.1.2.1.3.1 Test RB = RB1#0

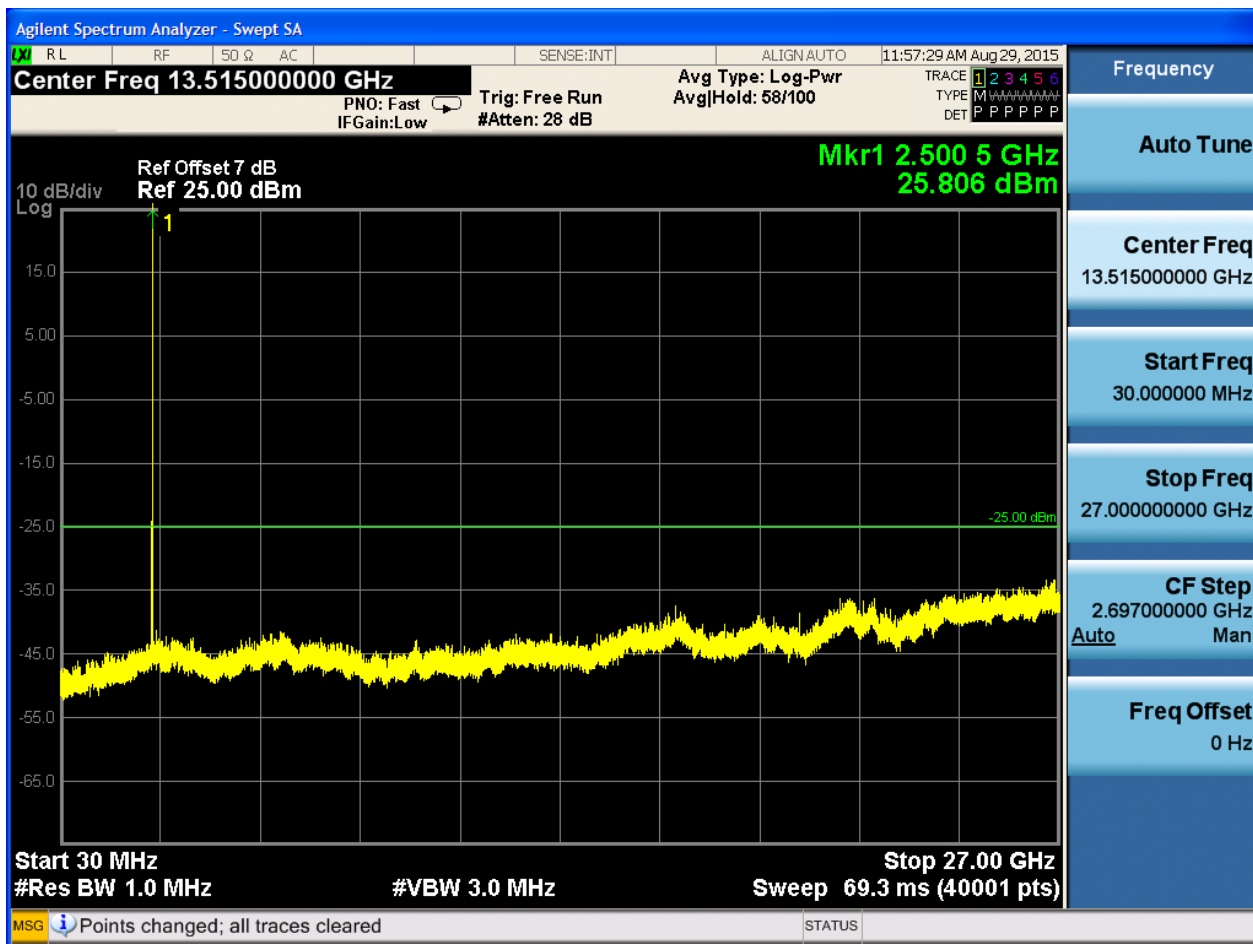






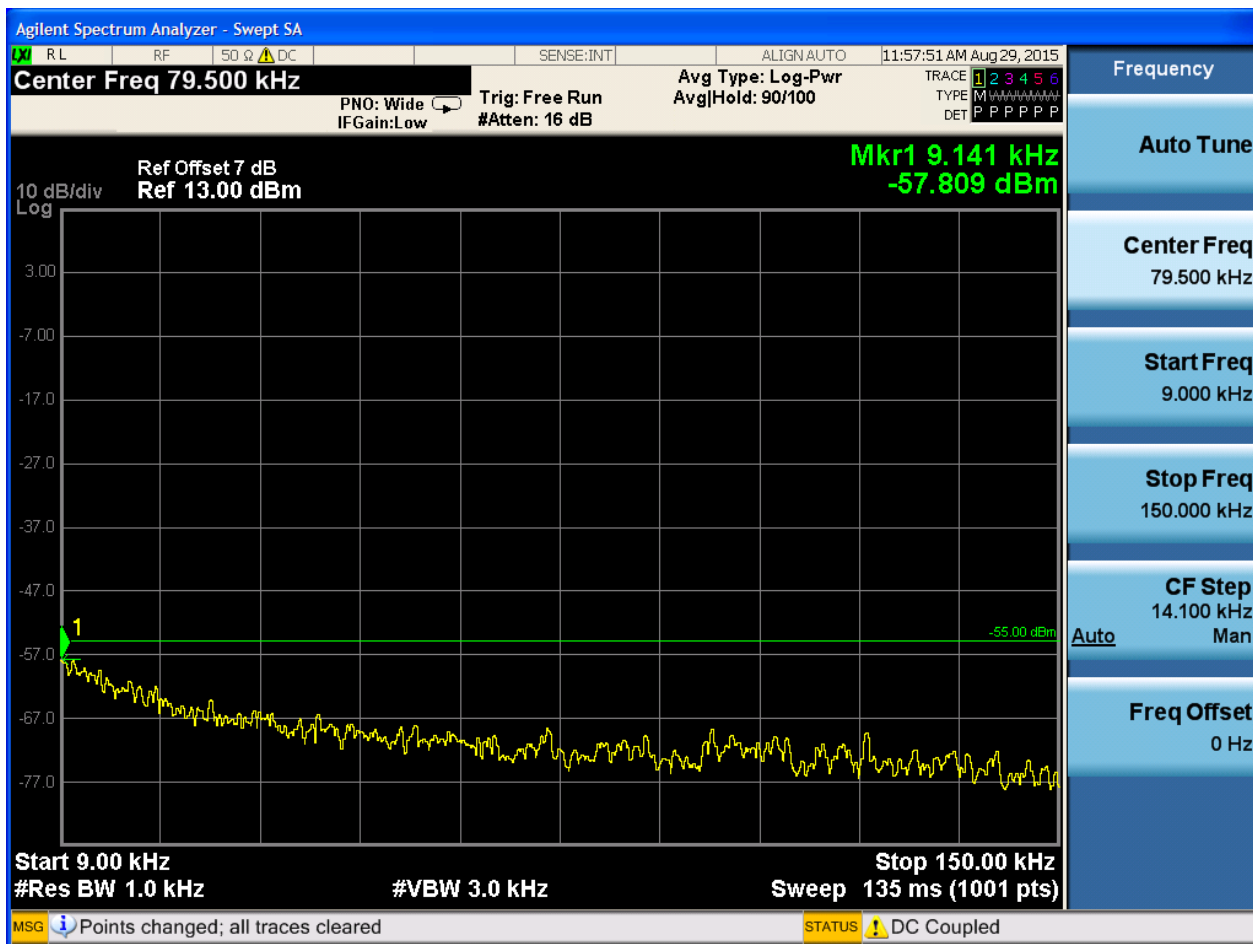


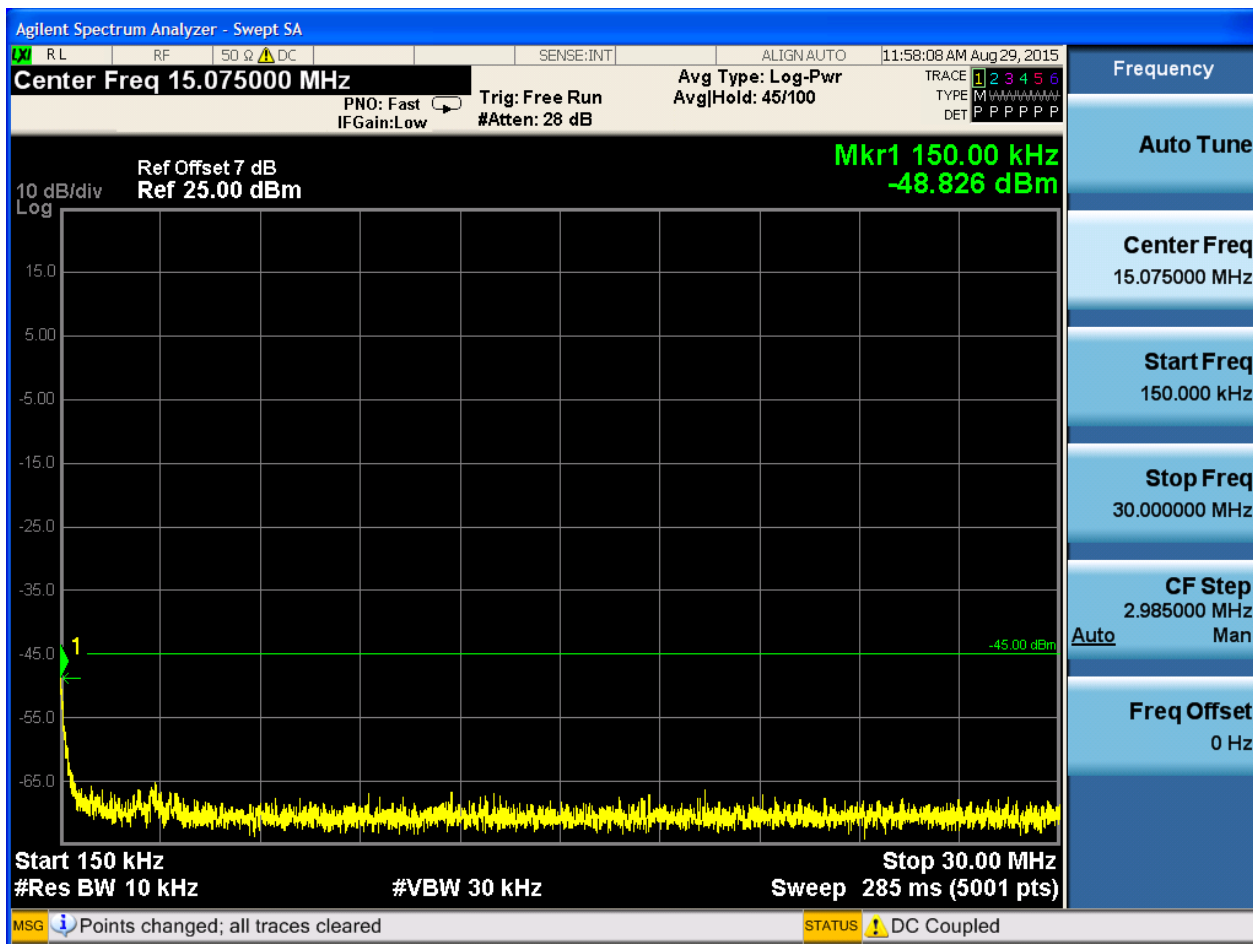


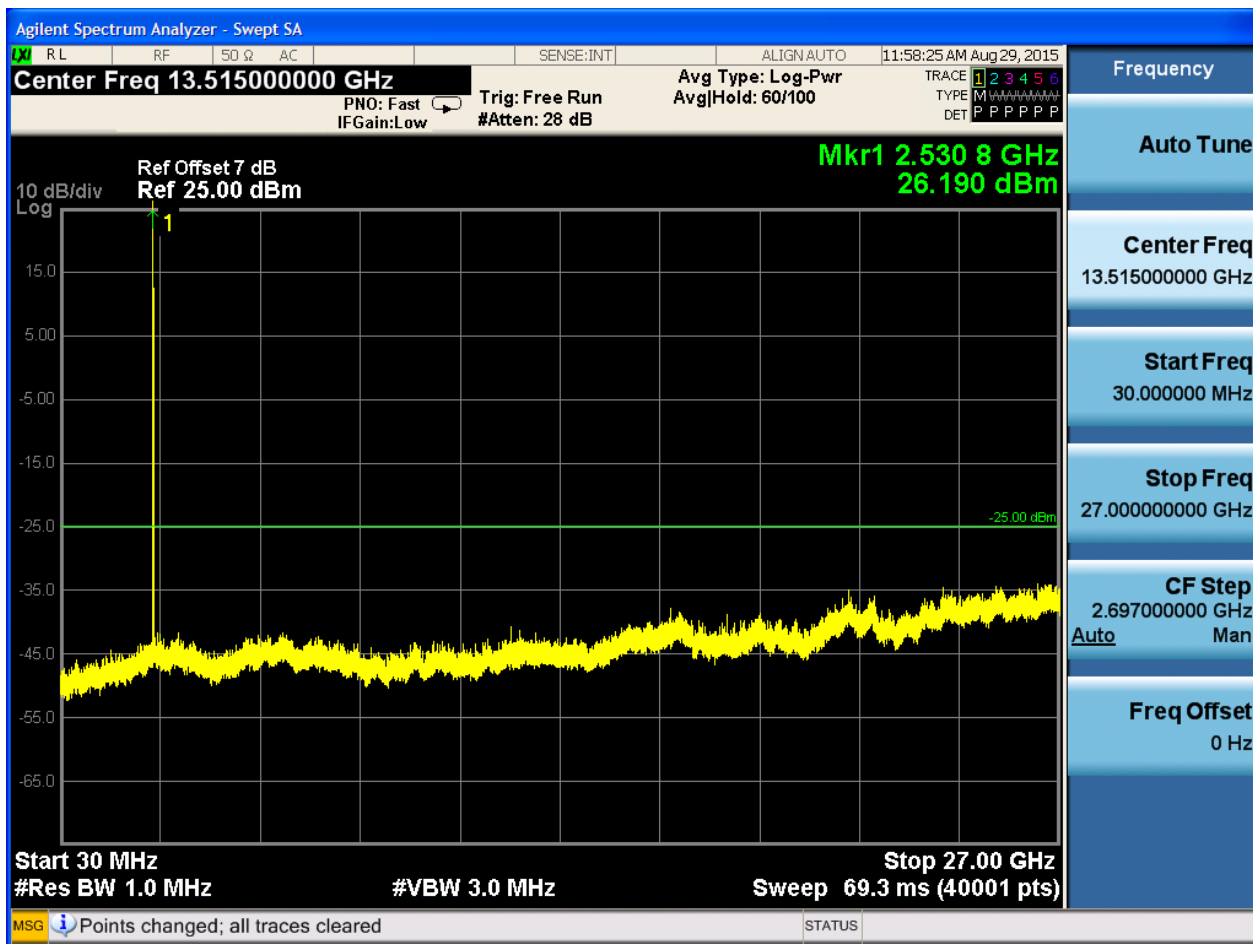


6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0





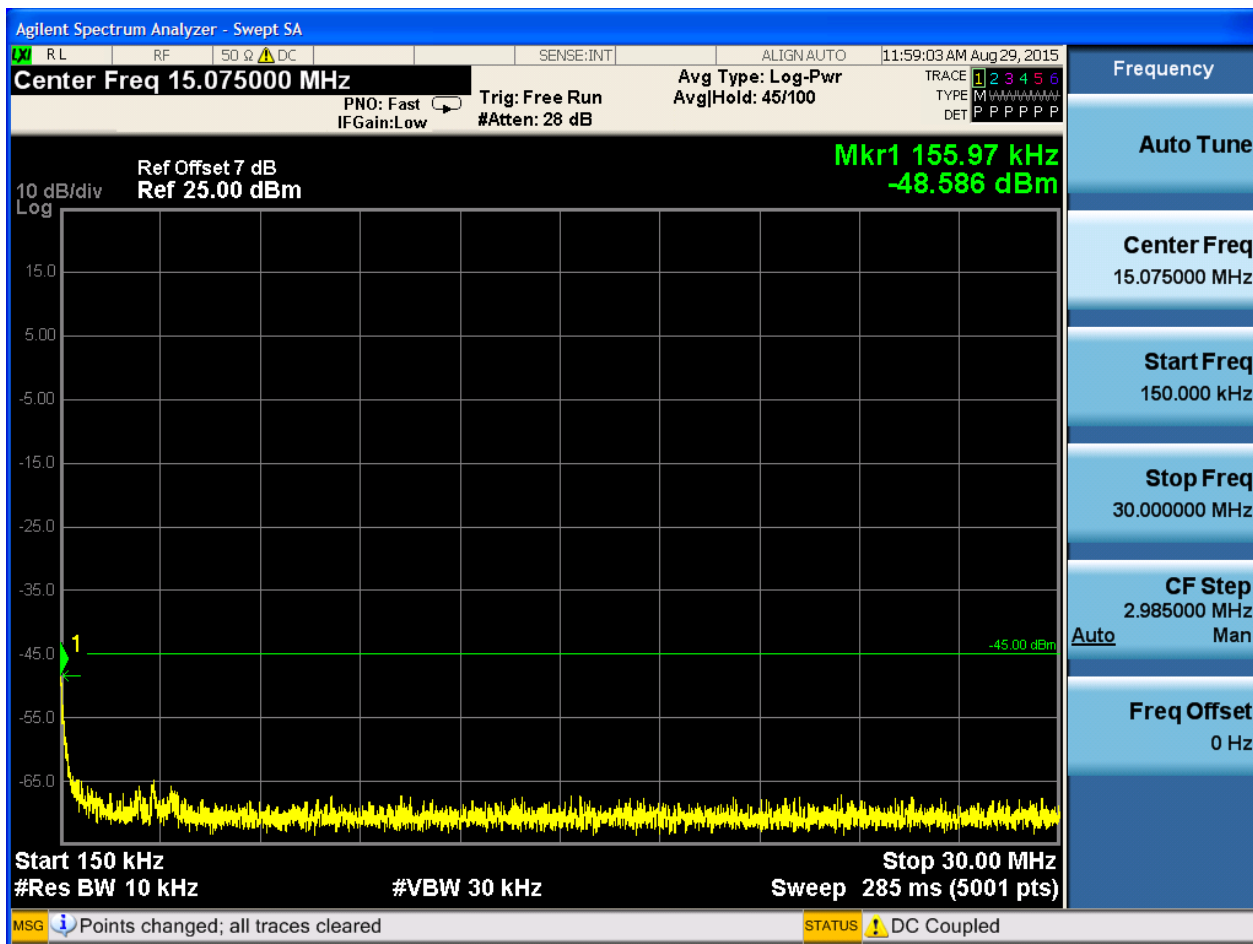


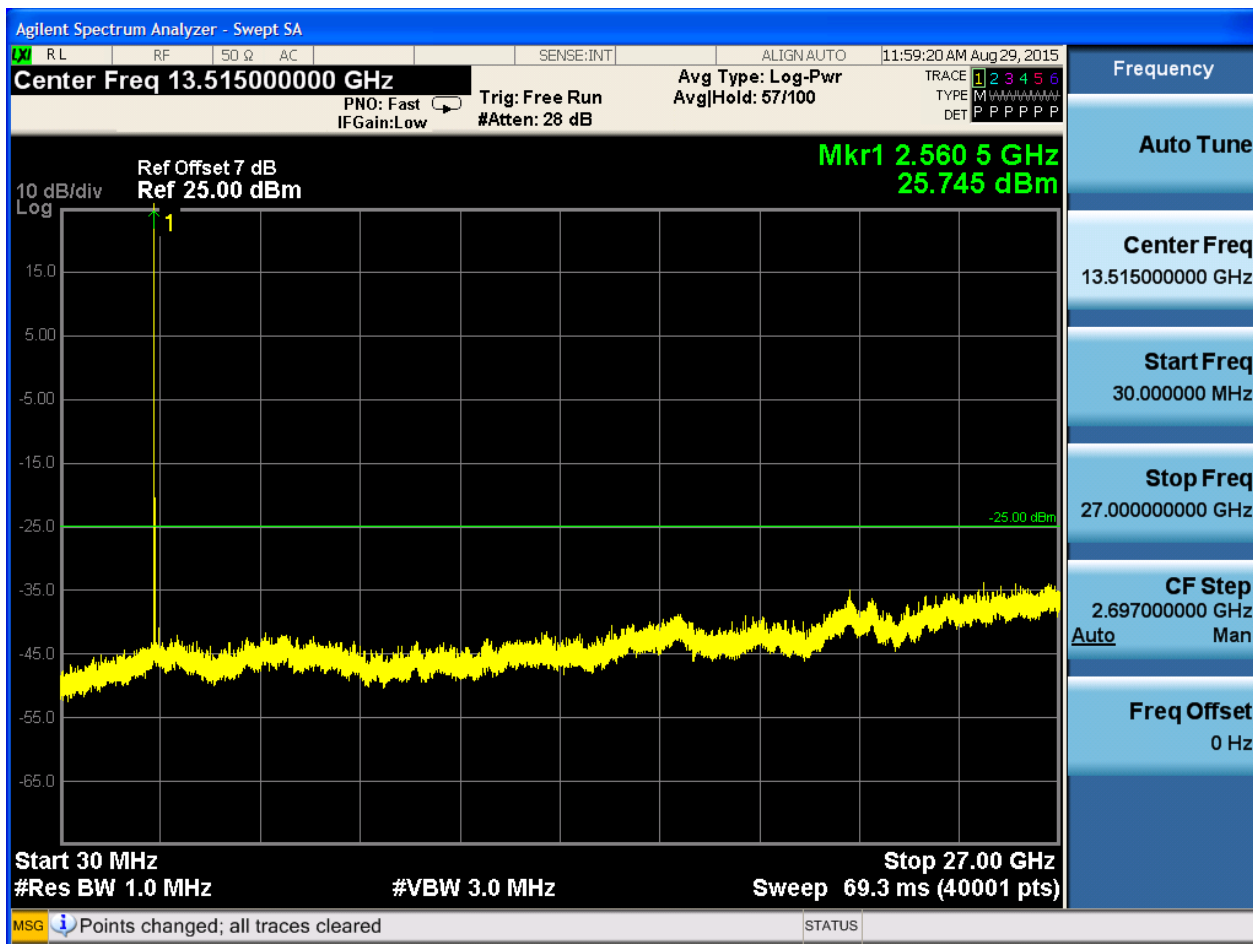


6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0





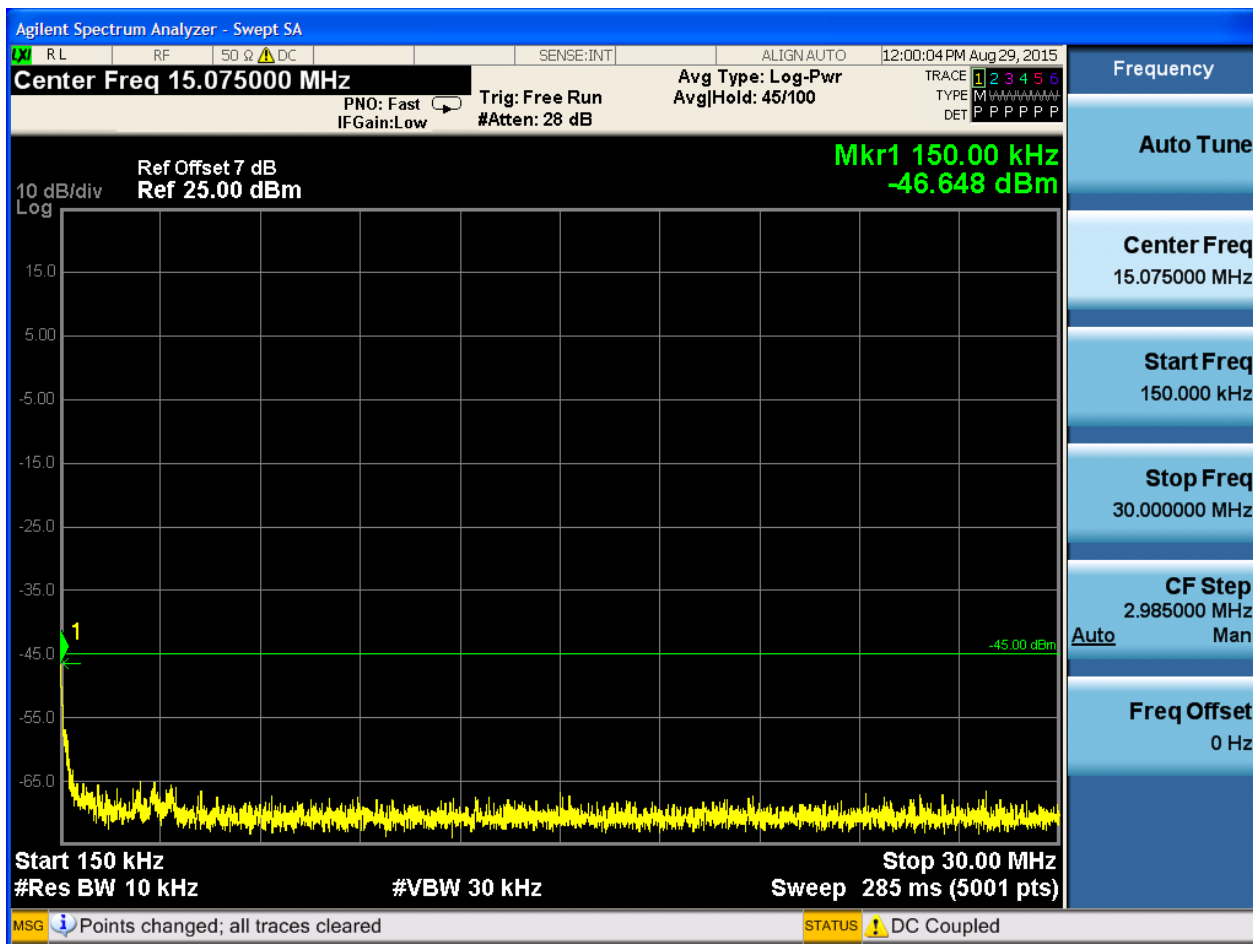


6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



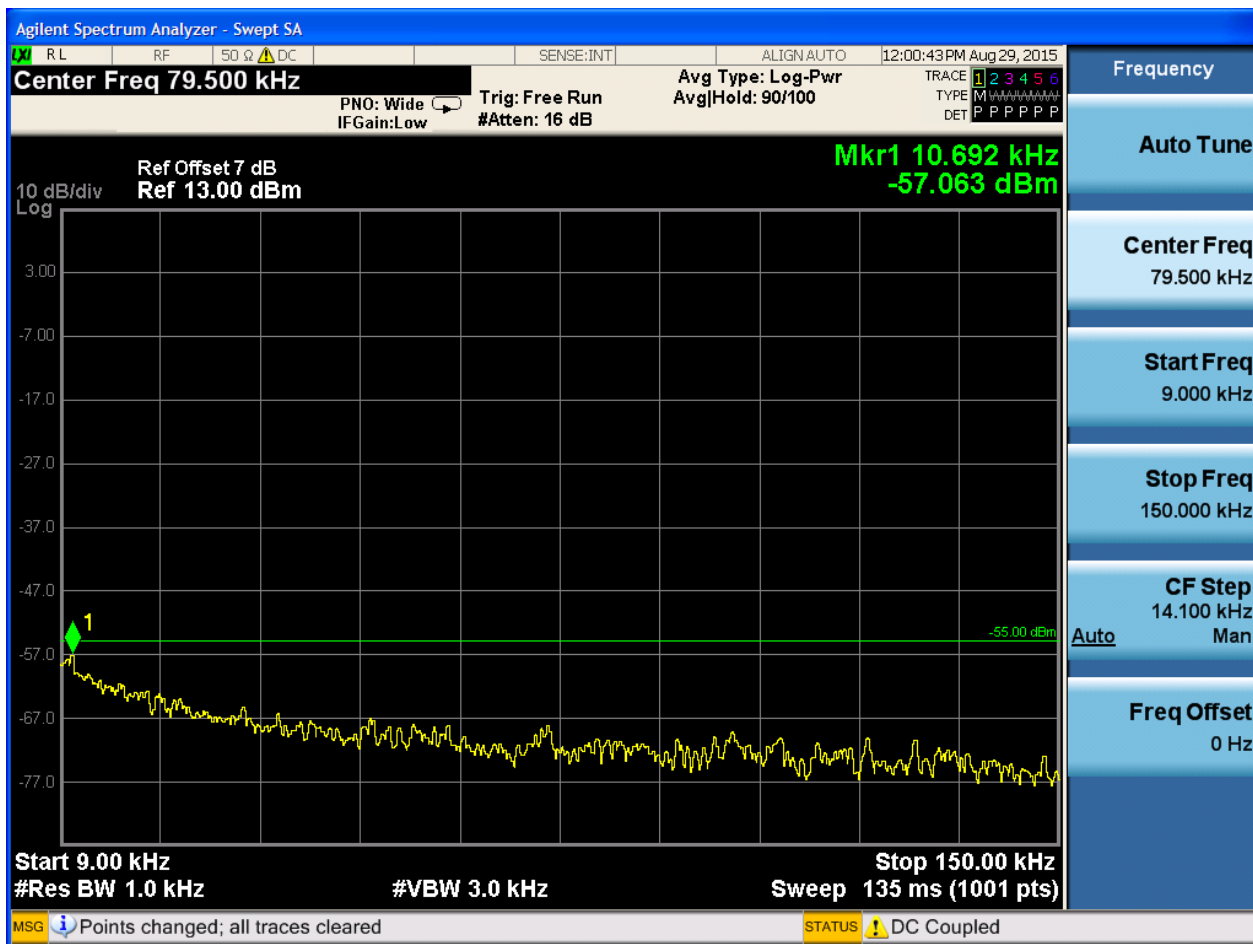


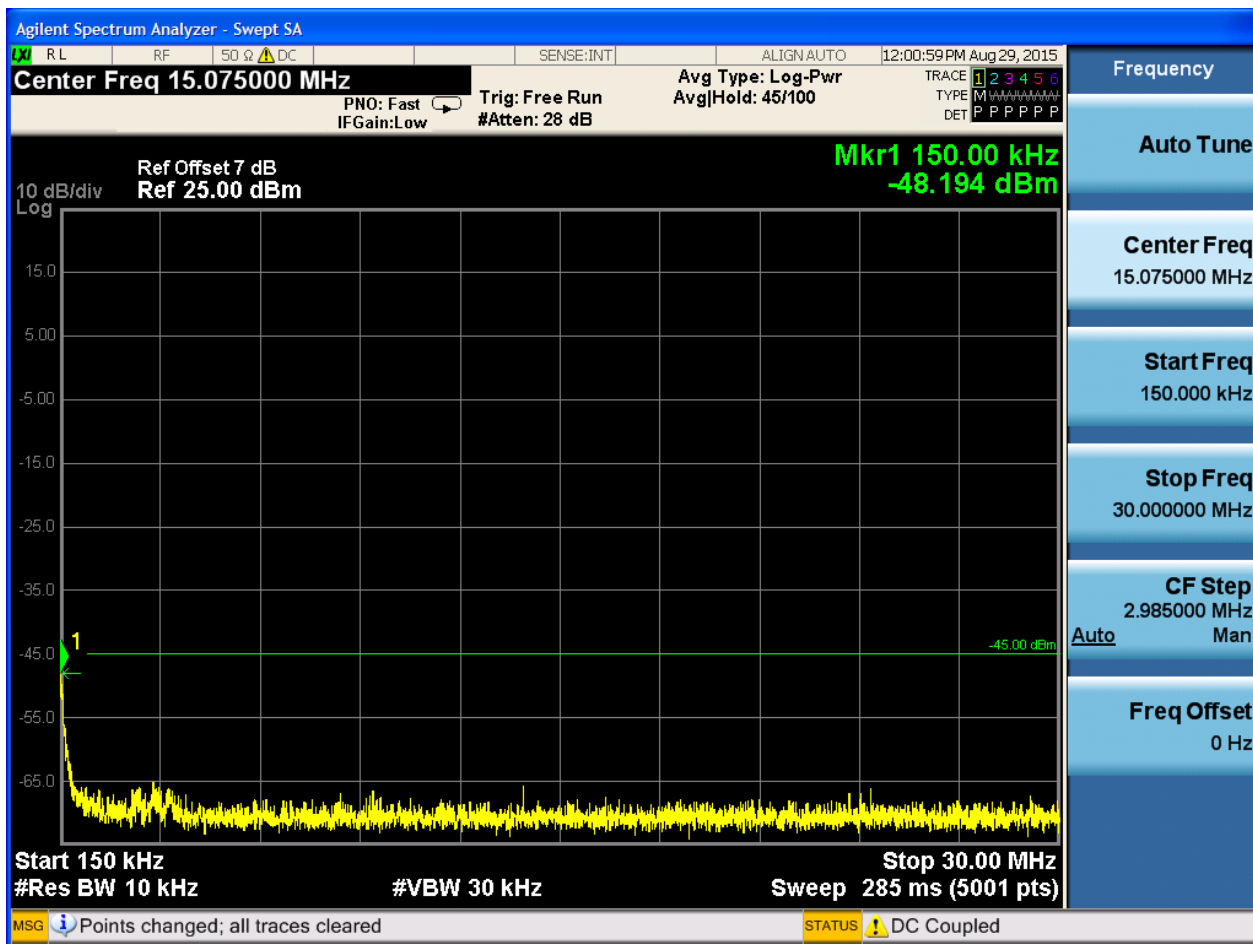


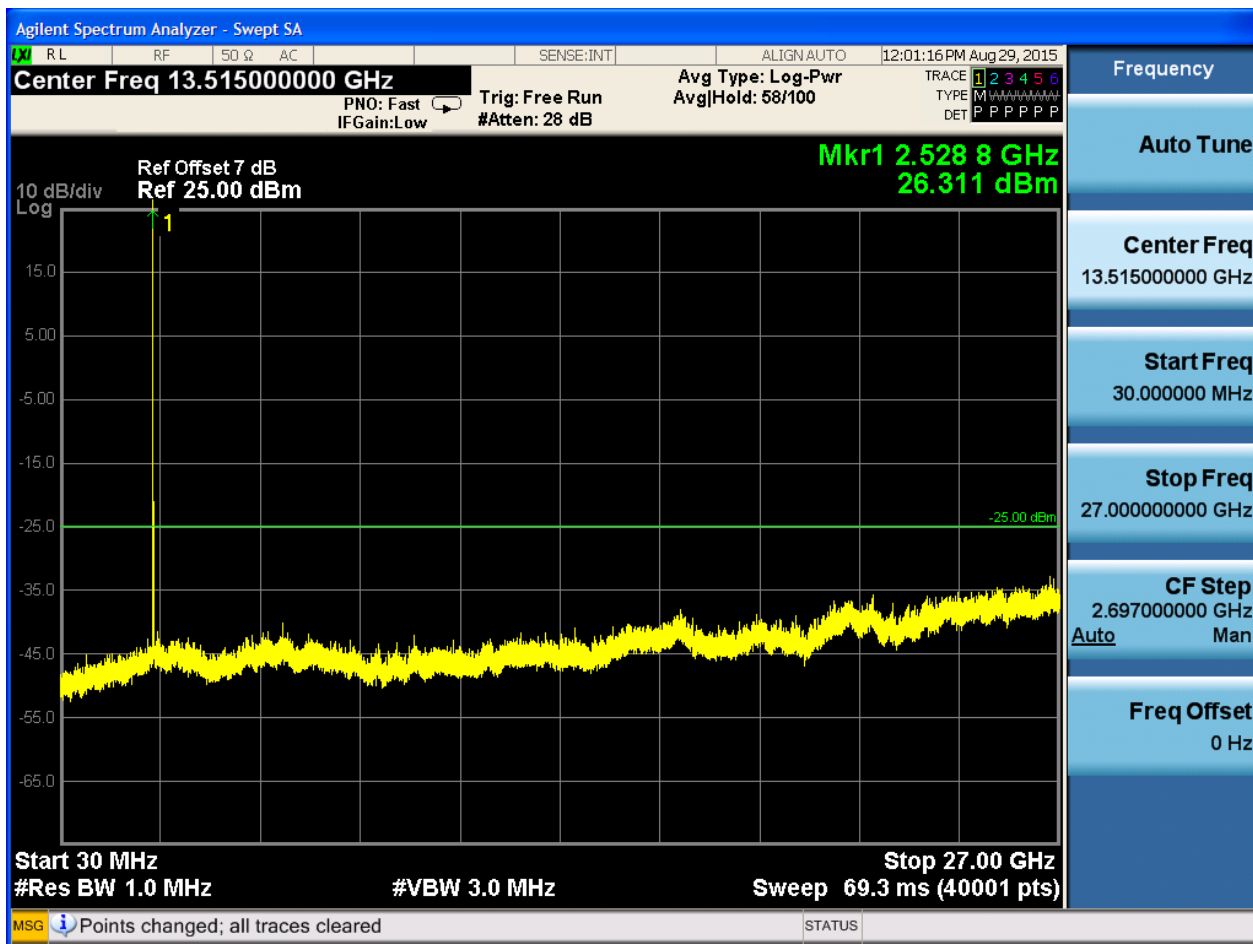


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

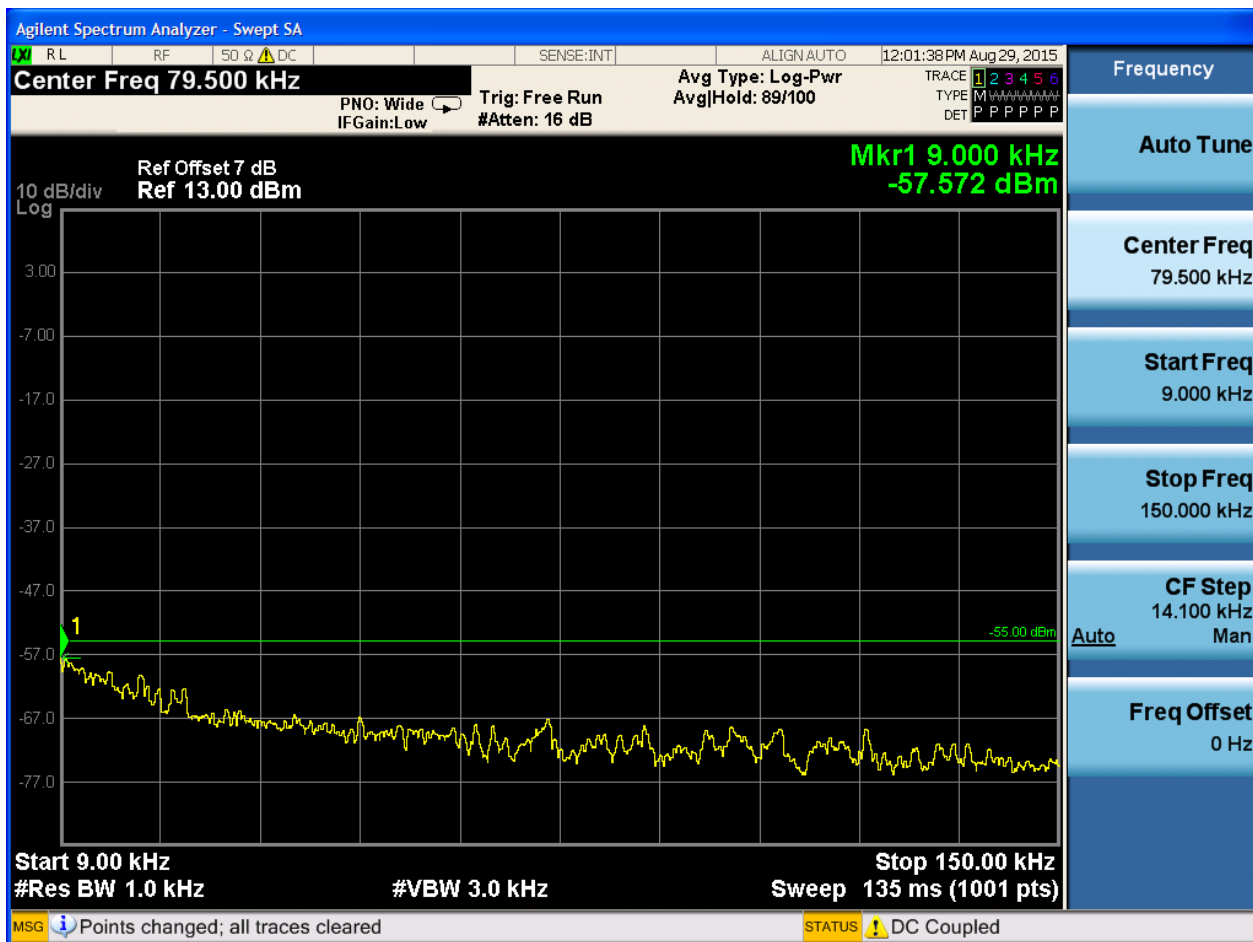




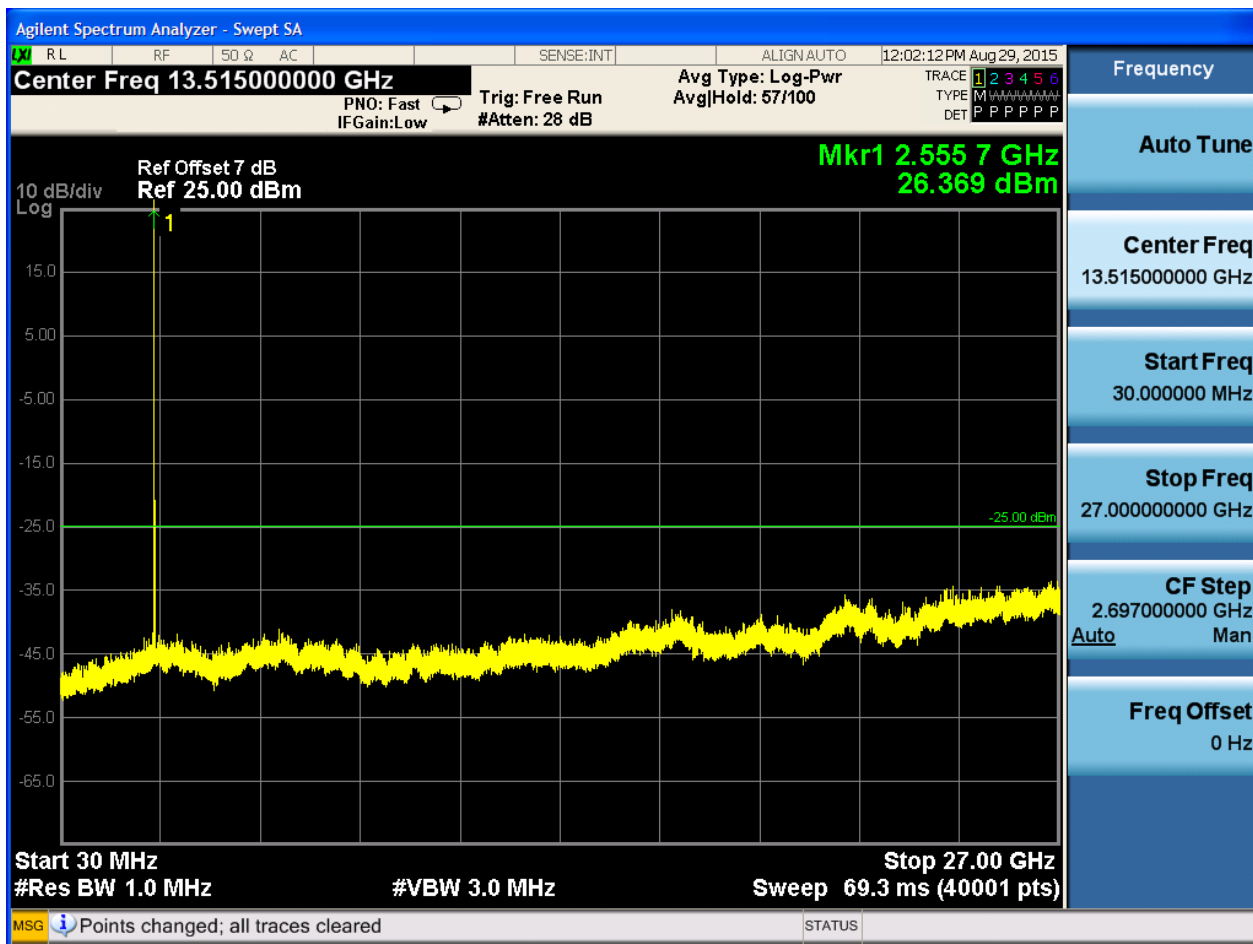


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





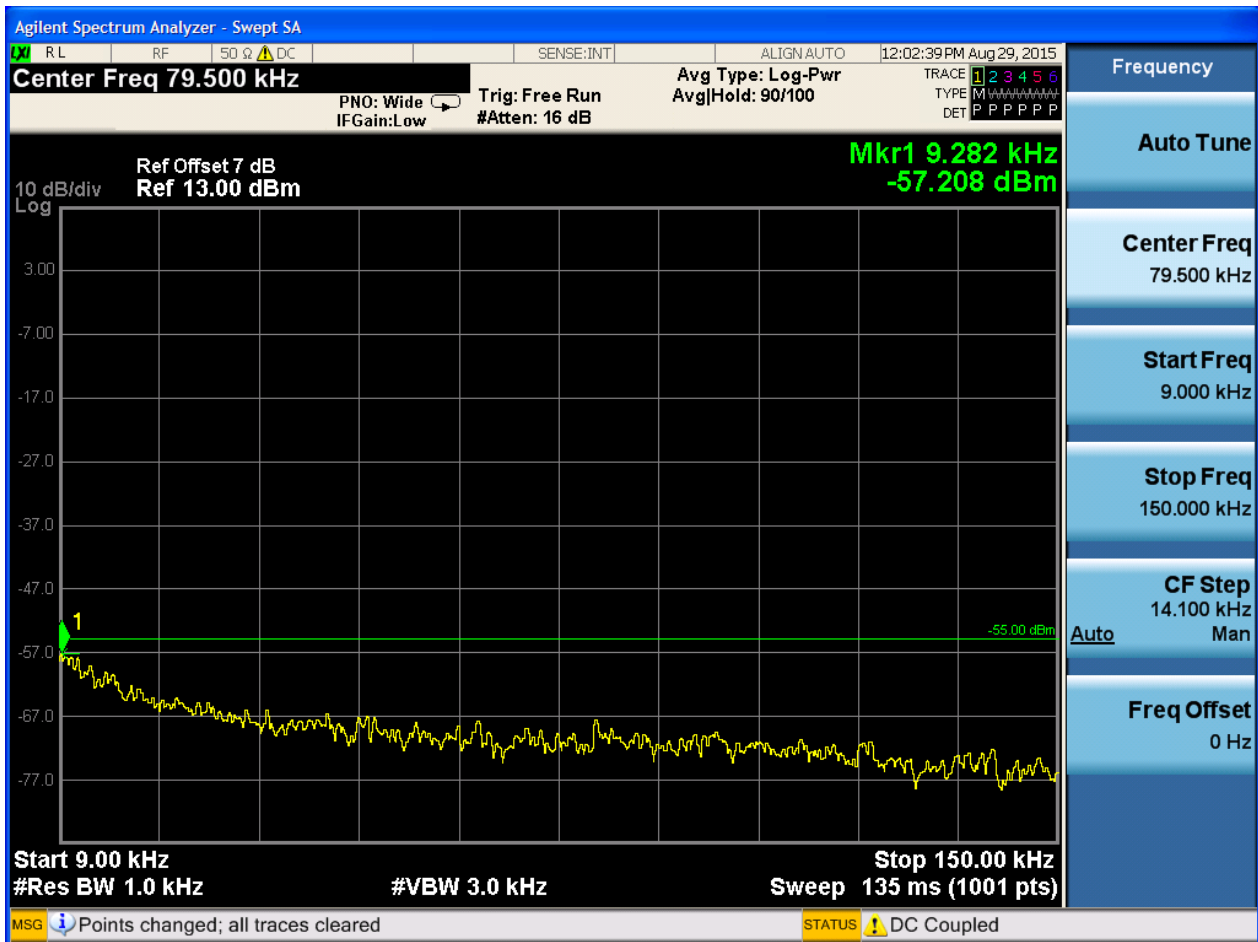


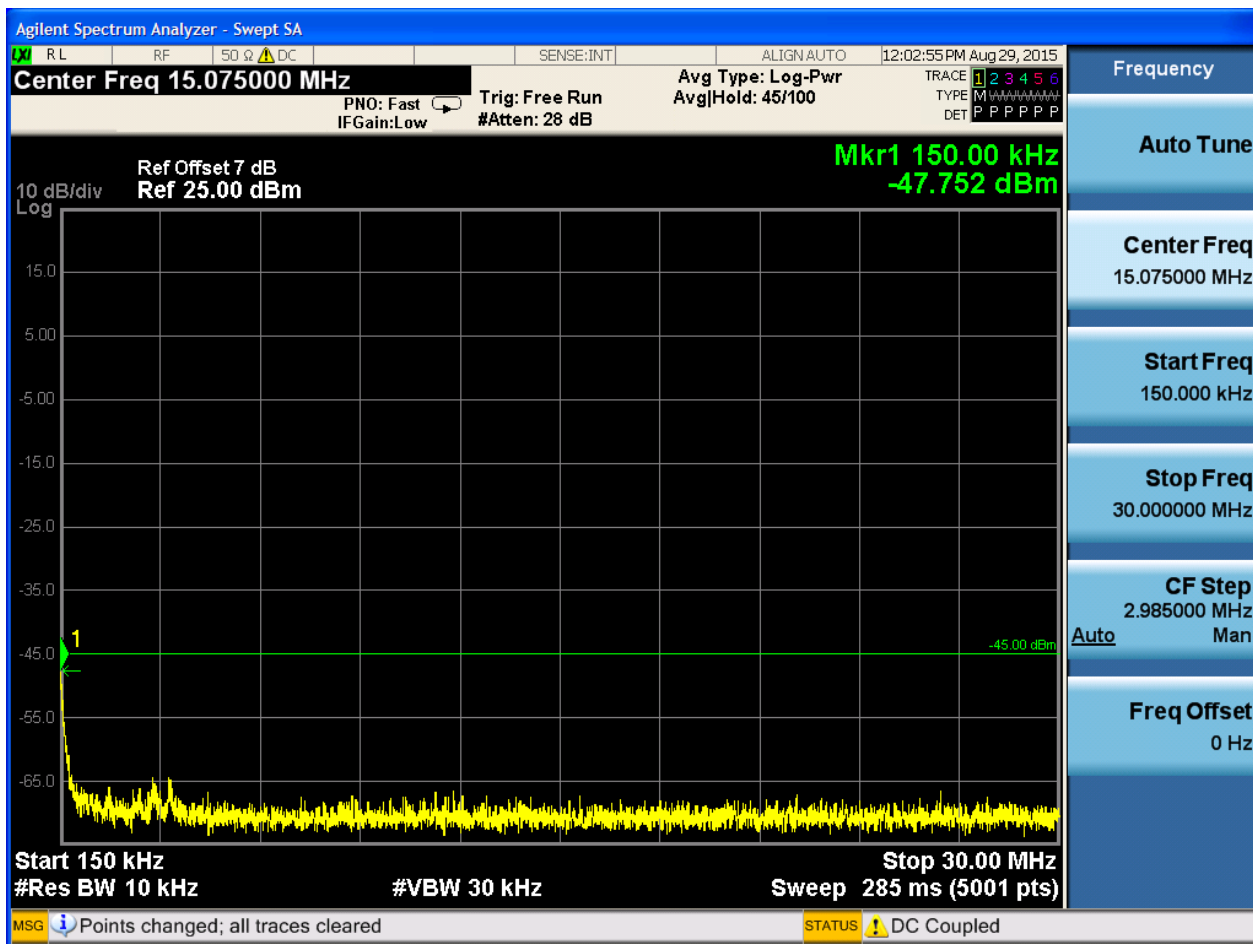


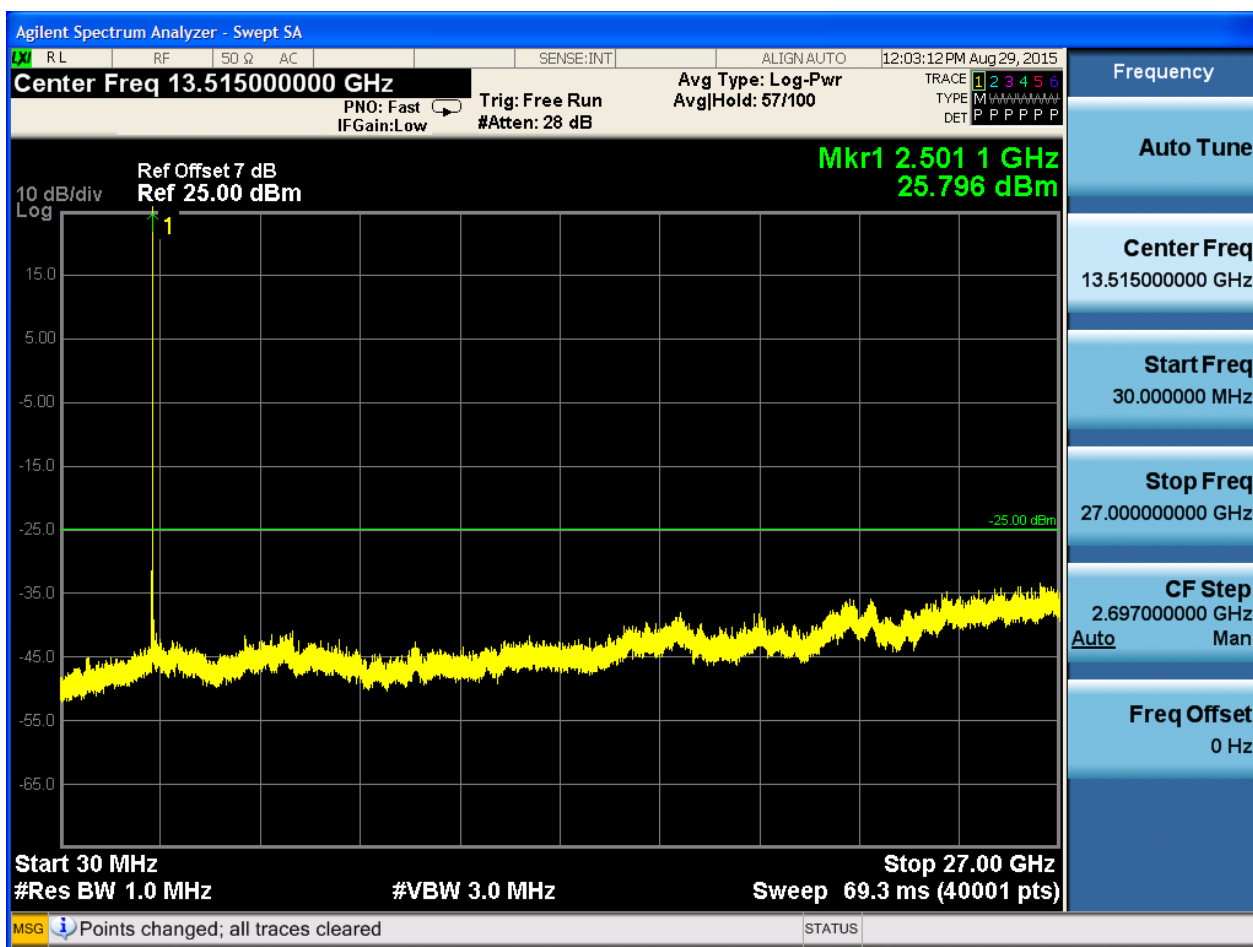
6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



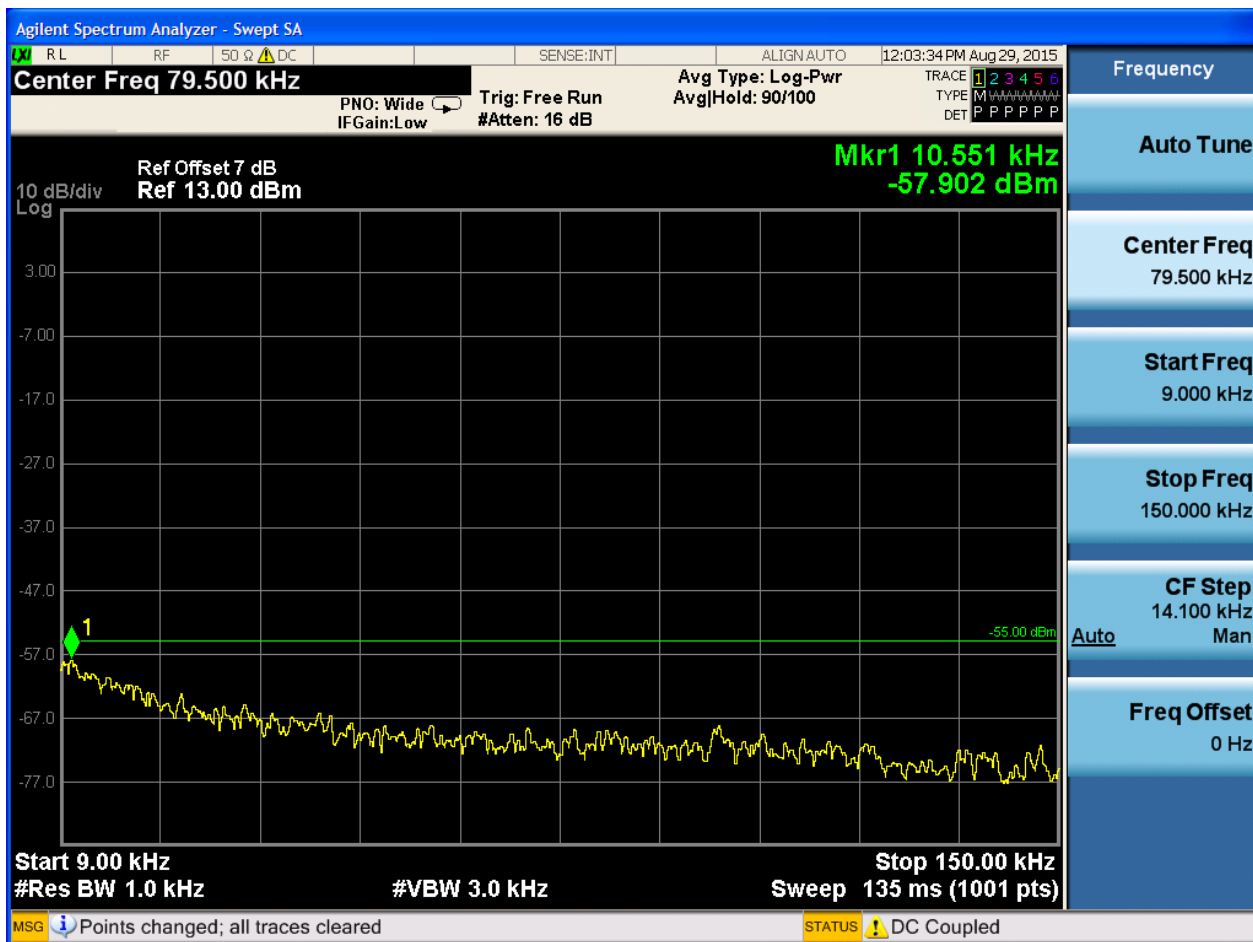




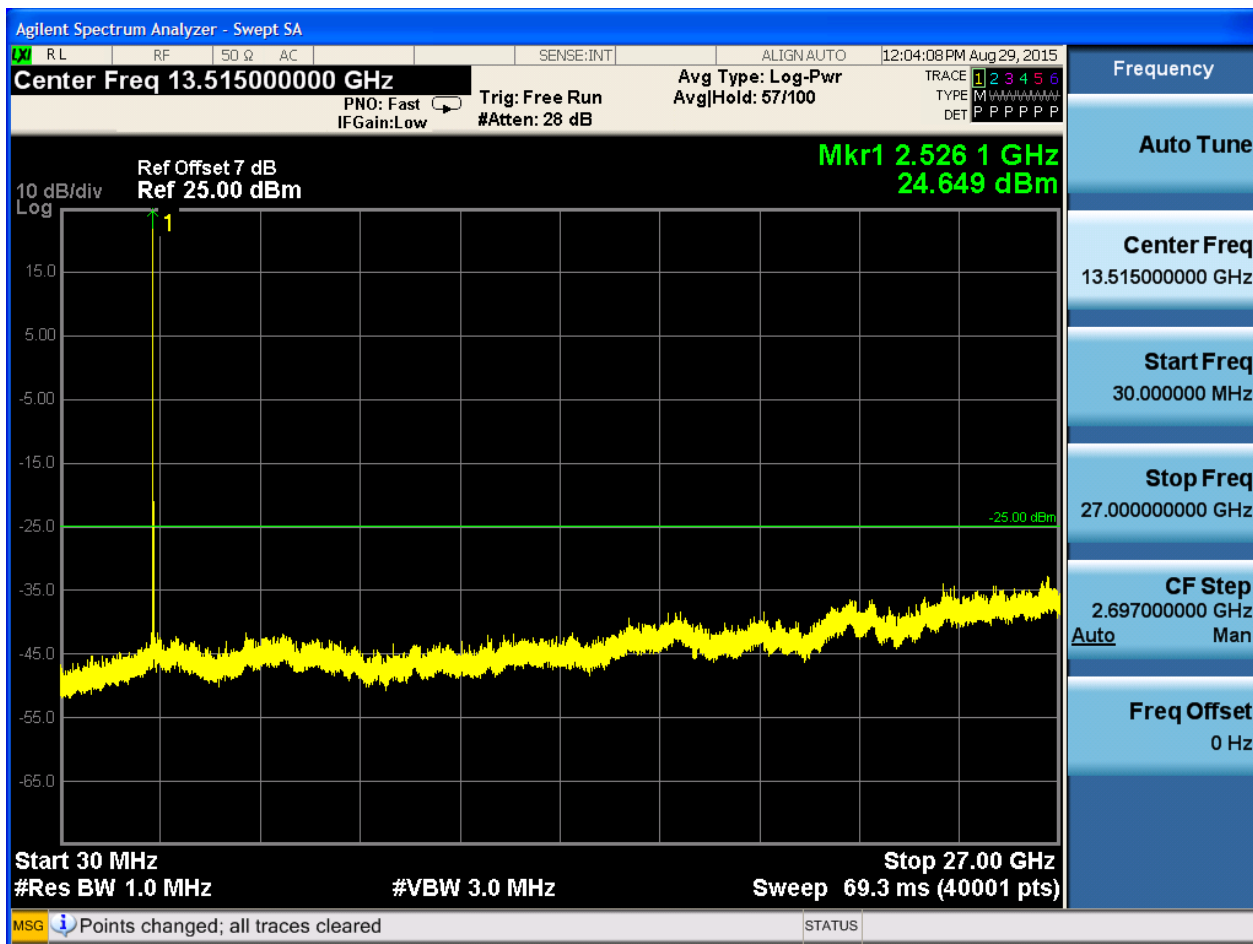


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



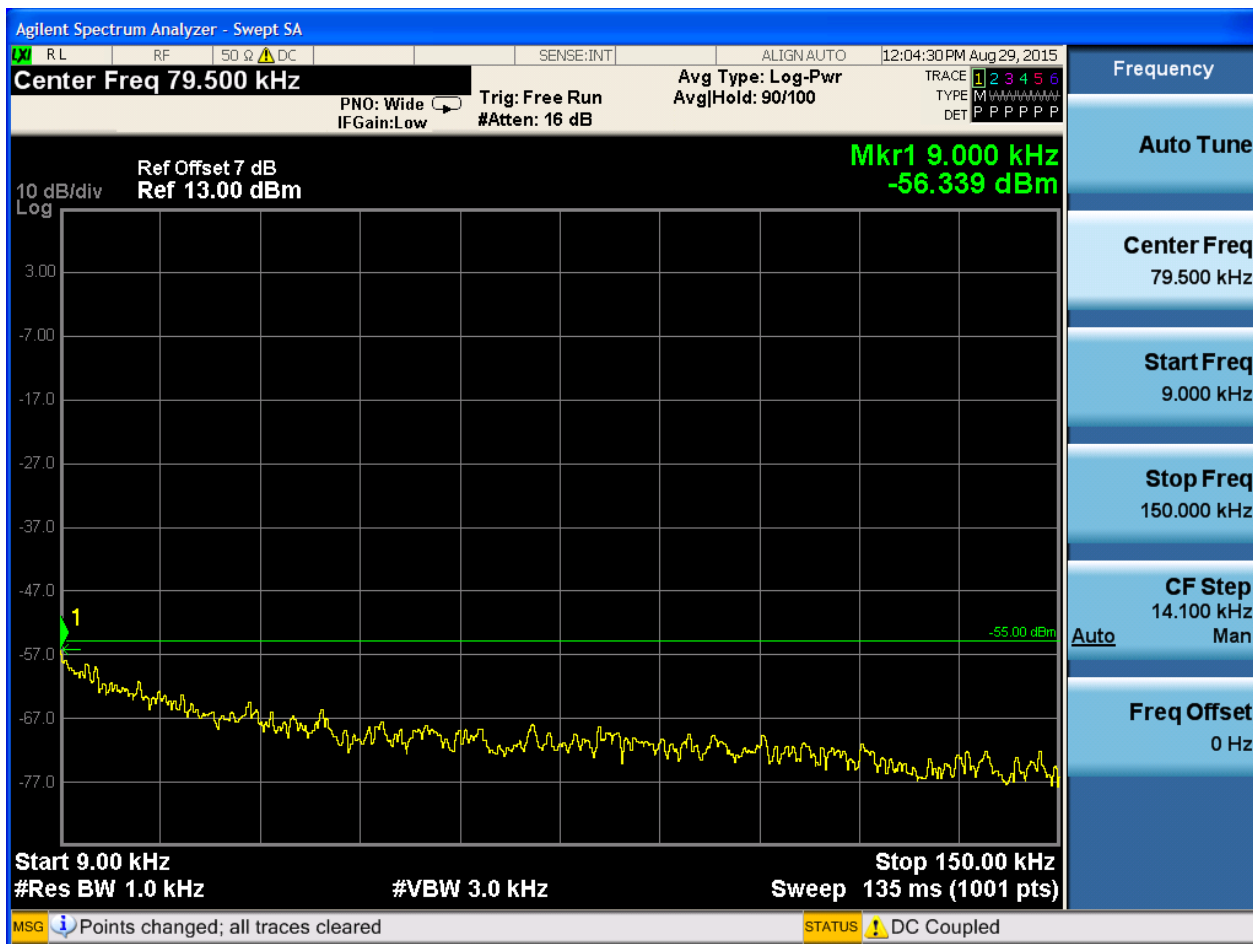


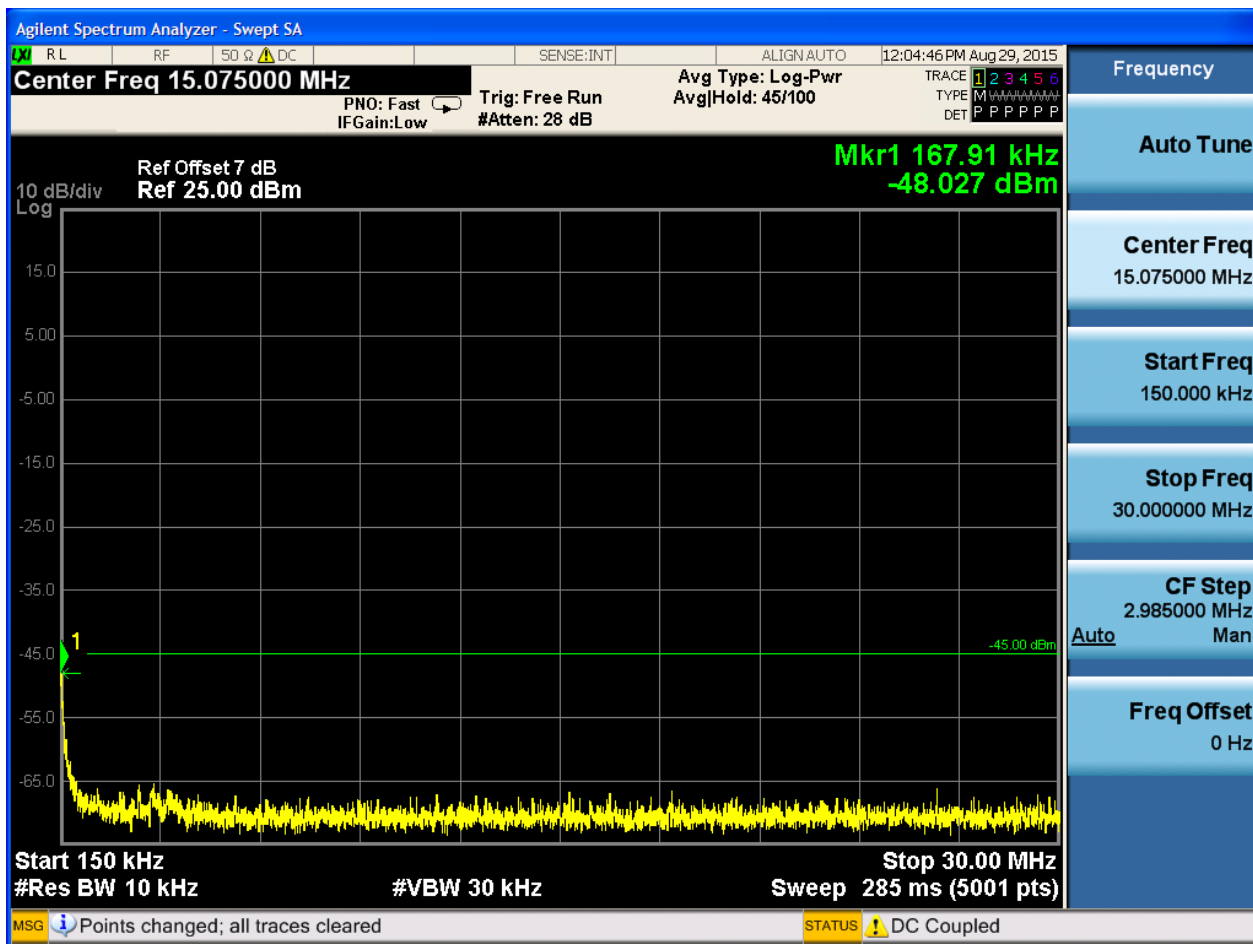


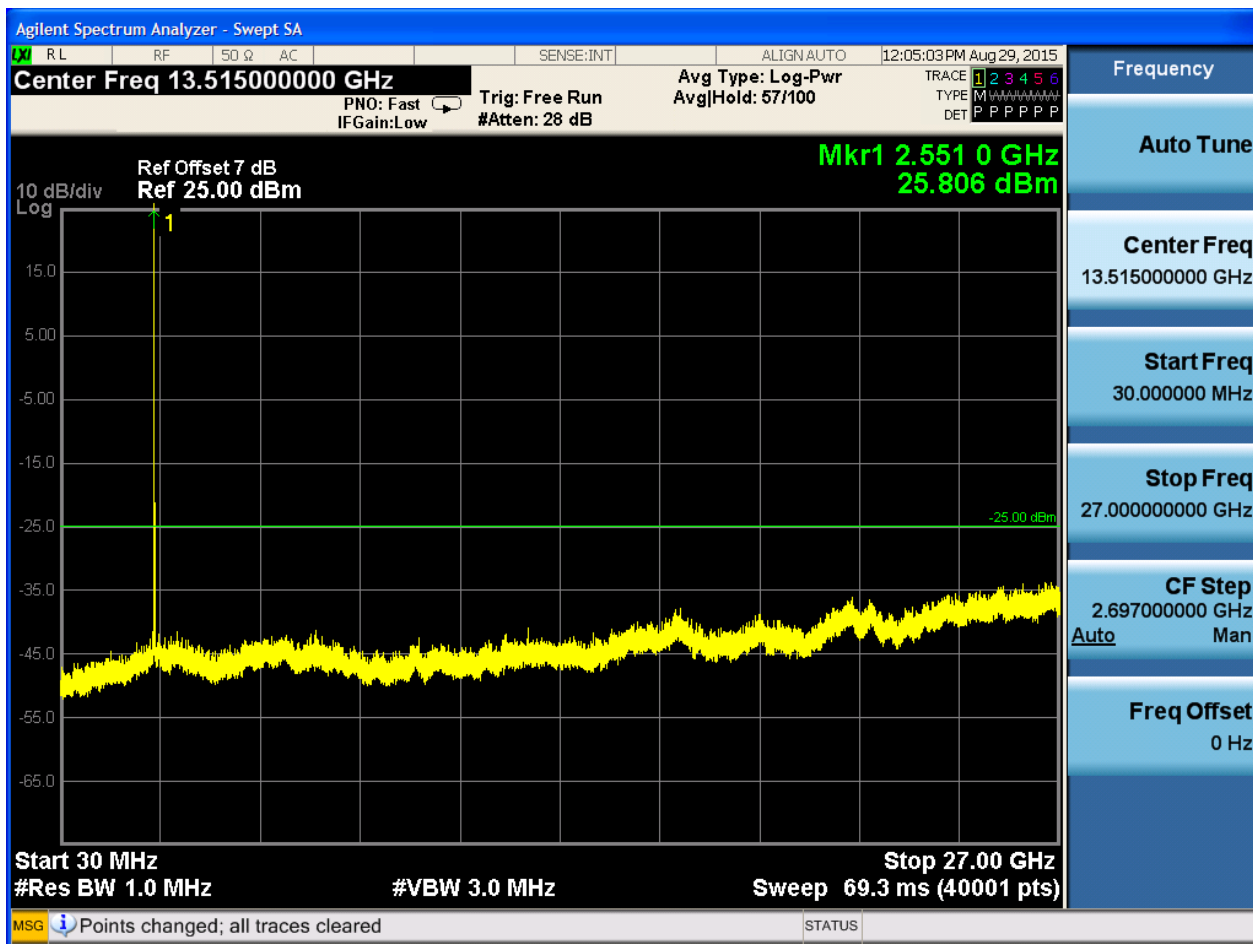


6.1.1.2.4.3 Test Channel = HCH

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

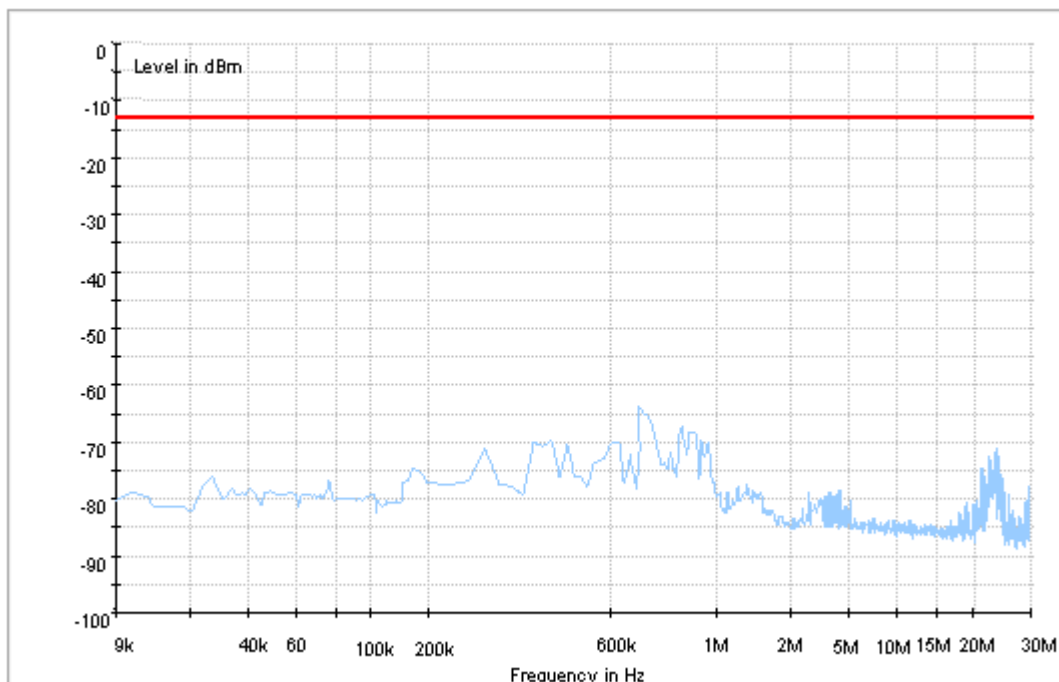
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

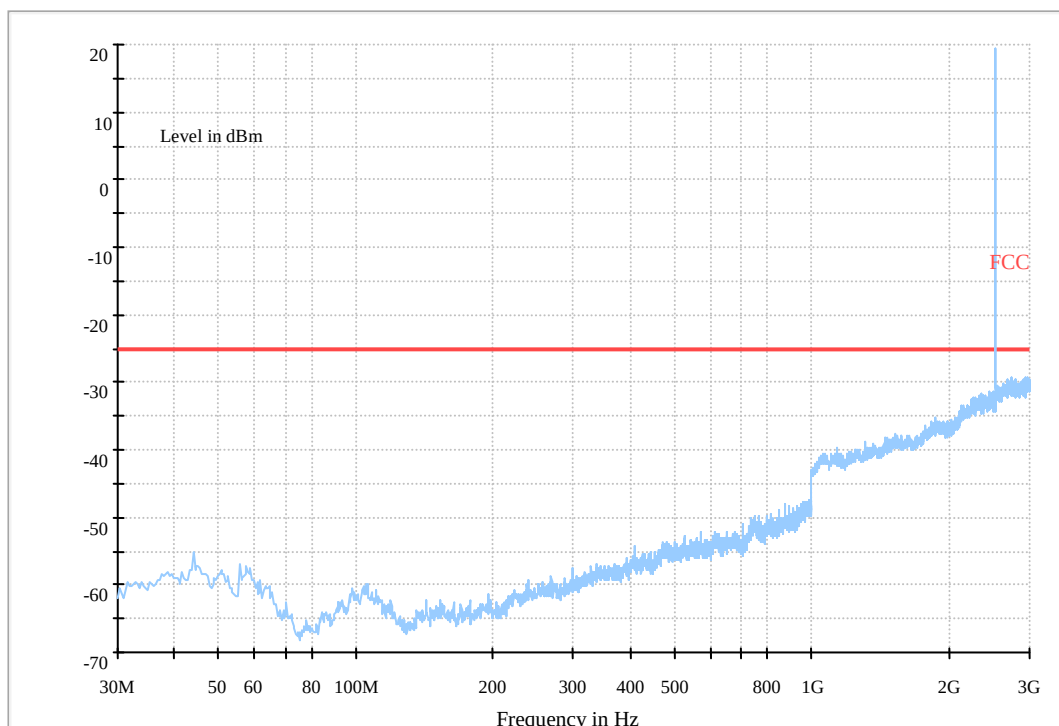
7.1 For LTE

7.1.1 Test Band = BAND7

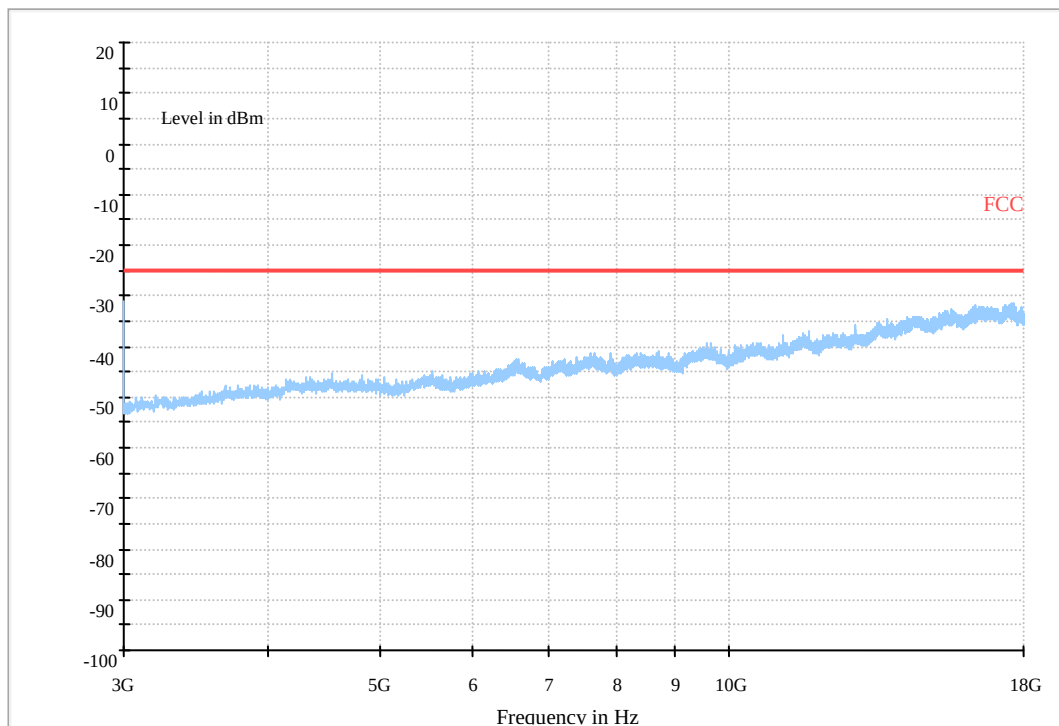
7.1.1.1 Test Bandwidth = 5

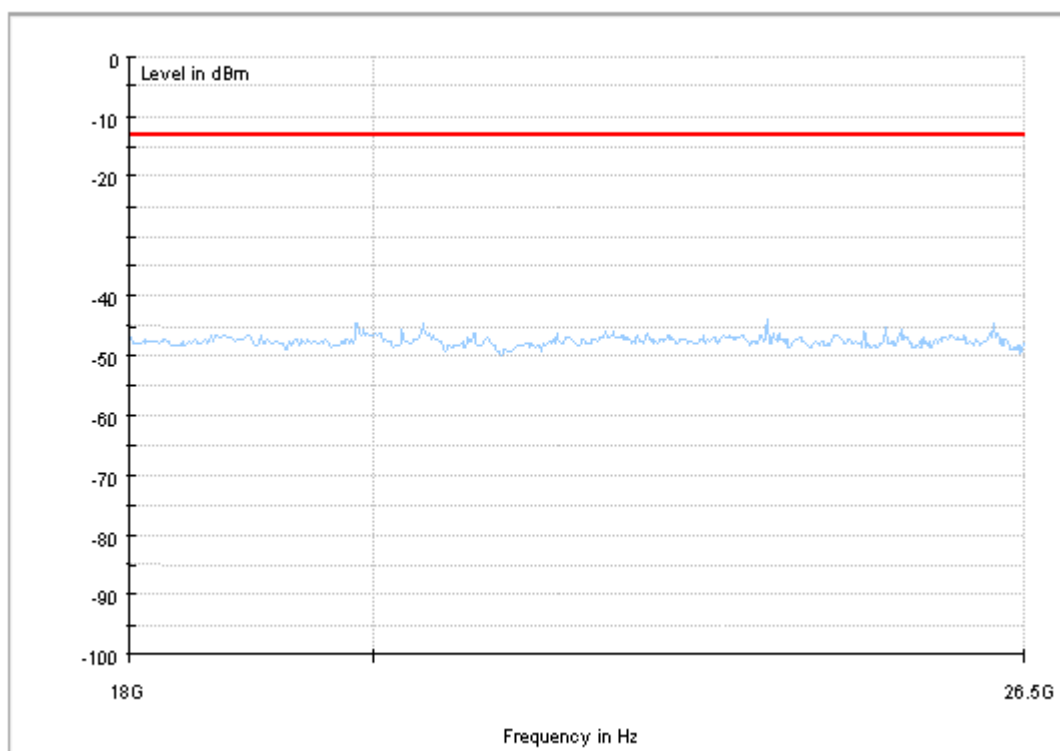


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

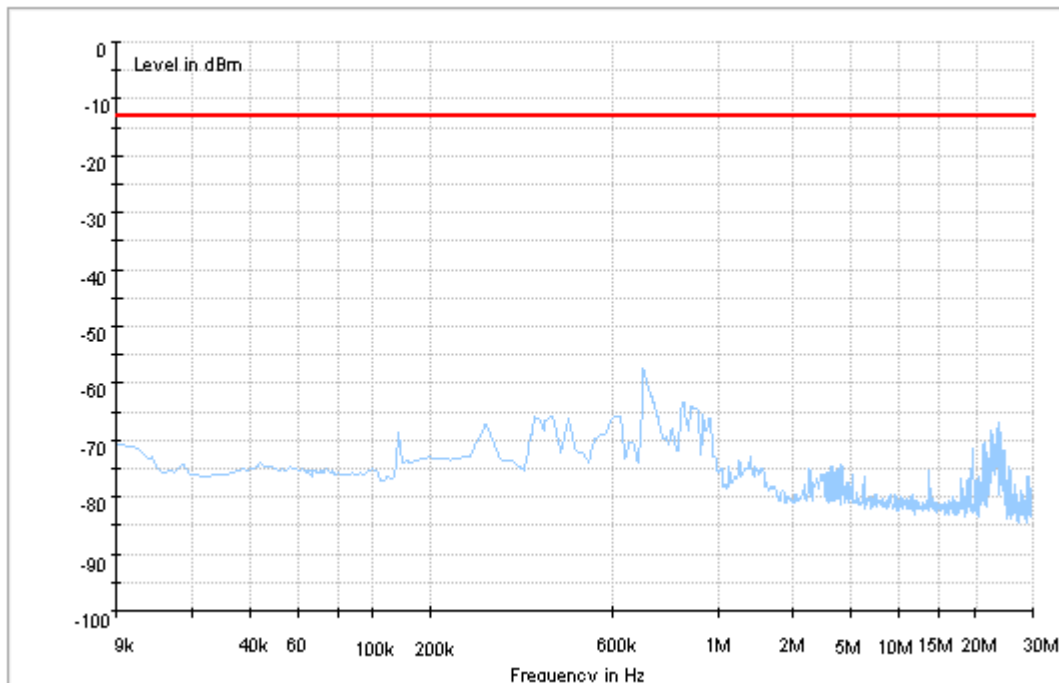


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

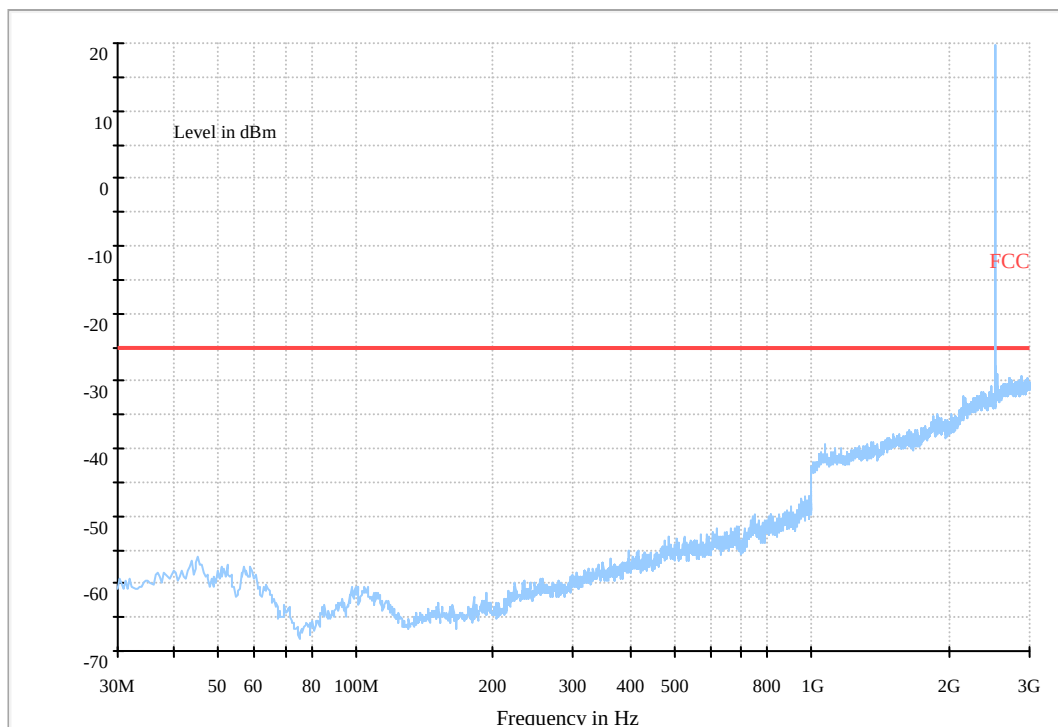




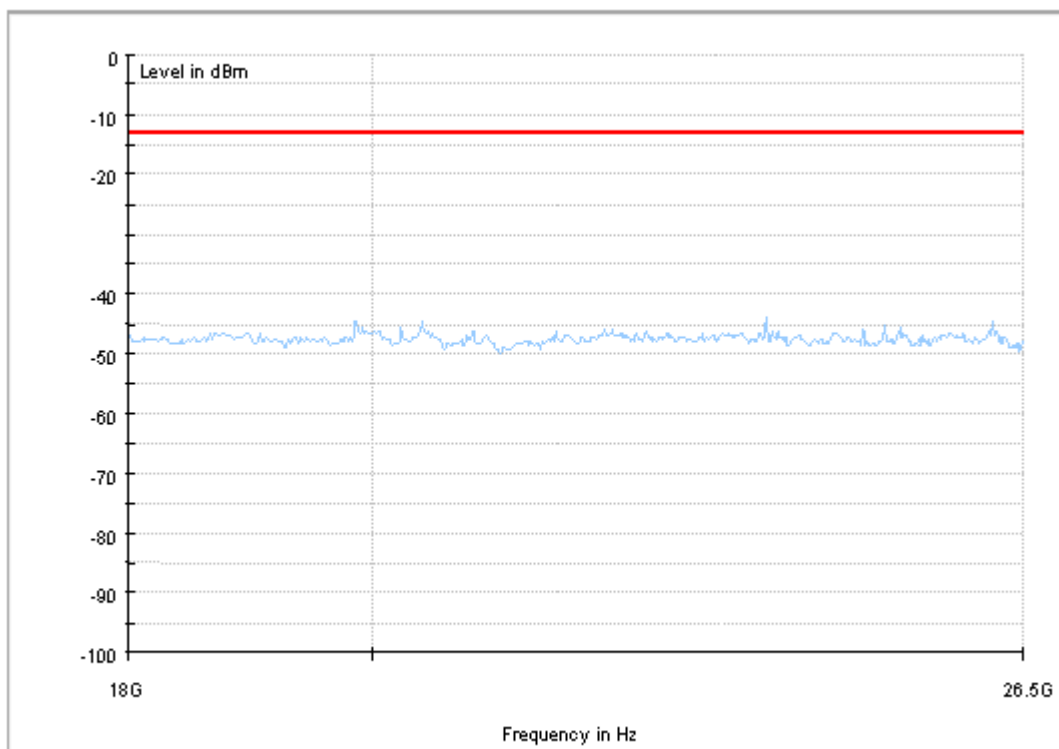
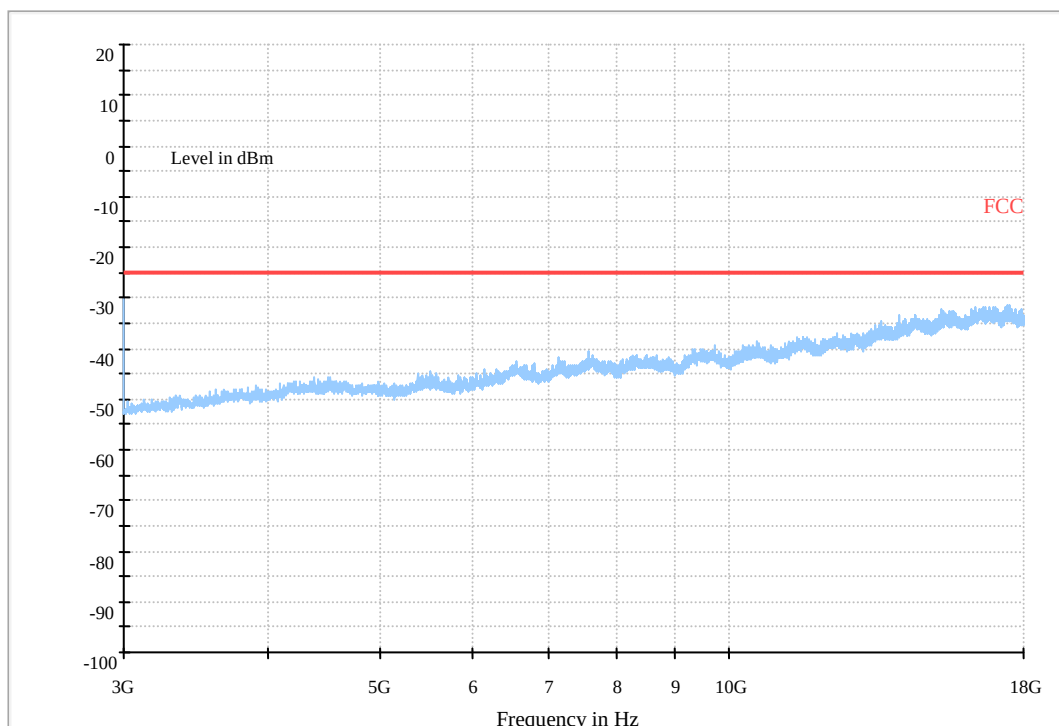
7.1.1.2 Test Bandwidth = 20



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

8.1.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND7	LTE/TM1	5	LCH	TN	VL	1.96	0.00078	PASS
					VN	1.85	0.00074	PASS
					VH	5.06	0.00202	PASS
			MCH	TN	VL	-5.42	-0.00214	PASS
					VN	-3.29	-0.0013	PASS
					VH	-2.49	-0.00098	PASS
			HCH	TN	VL	-3.05	-0.00119	PASS
					VN	-5.98	-0.00233	PASS
					VH	-5.05	-0.00197	PASS
		10	LCH	TN	VL	-3.62	-0.00145	PASS
					VN	-0.3	-0.00012	PASS
					VH	-1.82	-0.00073	PASS
			MCH	TN	VL	-1.12	-0.00044	PASS
					VN	-1.27	-0.0005	PASS
					VH	-0.56	-0.00022	PASS
			HCH	TN	VL	-7.6	-0.00296	PASS
					VN	-2.4	-0.00094	PASS
					VH	-7.5	-0.00292	PASS
		15	LCH	TN	VL	-9.56	-0.00381	PASS
					VN	-7.11	-0.00284	PASS
					VH	-10.47	-0.00418	PASS
			MCH	TN	VL	-3.35	-0.00132	PASS
					VN	-2.12	-0.00084	PASS
					VH	-3.46	-0.00136	PASS
			HCH	TN	VL	-1.65	-0.00064	PASS
					VN	2.45	0.00096	PASS
					VH	1.8	0.0007	PASS
		20	LCH	TN	VL	2.47	0.00098	PASS
					VN	0.19	0.00008	PASS
					VH	2.65	0.00106	PASS
			MCH	TN	VL	-2.93	-0.00116	PASS
					VN	-3.58	-0.00141	PASS
					VH	-2.86	-0.00113	PASS
			HCH	TN	VL	18.2	0.00711	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	19.57	0.00764	PASS
					VH	19.71	0.0077	PASS
		5	LCH	TN	VL	5.05	0.00202	PASS
					VN	5.84	0.00233	PASS
					VH	7.55	0.00302	PASS
					VL	-3.56	-0.0014	PASS
			MCH	TN	VN	-3.08	-0.00121	PASS
					VH	3.56	0.0014	PASS
					VL	-7.97	-0.0031	PASS
					VN	-2.79	-0.00109	PASS
					VH	-2.82	-0.0011	PASS
			HCH	TN	VL	-0.87	-0.00035	PASS
					VN	-1.07	-0.00043	PASS
					VH	-0.54	-0.00022	PASS
		10	LCH	TN	VL	-4.32	-0.0017	PASS
					VN	-4.19	-0.00165	PASS
					VH	0.21	0.00008	PASS
			MCH	TN	VL	-21.54	-0.0084	PASS
					VN	-19.48	-0.00759	PASS
					VH	-22.77	-0.00888	PASS
			HCH	TN	VL	-3.1	-0.00124	PASS
					VN	-5.61	-0.00224	PASS
					VH	-1.26	-0.0005	PASS
		15	LCH	TN	VL	-3.65	-0.00144	PASS
					VN	0.13	0.00005	PASS
					VH	-4.68	-0.00185	PASS
			MCH	TN	VL	-0.07	-0.00003	PASS
					VN	4.12	0.00161	PASS
					VH	-0.94	-0.00037	PASS
			HCH	TN	VL	0.63	0.00025	PASS
					VN	5.18	0.00206	PASS
					VH	2.03	0.00081	PASS
		20	LCH	TN	VL	-4.88	-0.00193	PASS
					VN	-1.32	-0.00052	PASS
					VH	-4.96	-0.00196	PASS
			MCH	TN	VL	24.68	0.00964	PASS
					VN	26.41	0.01032	PASS
					VH	24.08	0.00941	PASS
			HCH	TN	VL	0.63	0.00025	PASS
					VN	5.18	0.00206	PASS
					VH	2.03	0.00081	PASS
					VL	-4.88	-0.00193	PASS
					VN	-1.32	-0.00052	PASS
					VH	-4.96	-0.00196	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	-0.17	-0.00007	PASS
					-20	-0.41	-0.00016	PASS
					-10	1.12	0.00045	PASS
					0	3.98	0.00159	PASS
					10	2.53	0.00101	PASS
					20	0.17	0.00007	PASS
					30	1.93	0.00077	PASS
					40	2.98	0.00119	PASS
					50	0.69	0.00028	PASS
			MCH	VN	-30	-3.55	-0.0014	PASS
					-20	-2.57	-0.00101	PASS
					-10	-4.02	-0.00159	PASS
					0	-2.53	-0.001	PASS
					10	-4.95	-0.00195	PASS
					20	-4.01	-0.00158	PASS
					30	-4.76	-0.00188	PASS
					40	-5.49	-0.00217	PASS
					50	-3.09	-0.00122	PASS
			HCH	VN	-30	0.96	0.00037	PASS
					-20	-0.09	-0.00004	PASS
					-10	0.72	0.00028	PASS
					0	1.43	0.00056	PASS
					10	0.86	0.00033	PASS
					20	1.43	0.00056	PASS
					30	1.04	0.00041	PASS
					40	1.46	0.00057	PASS
					50	0.83	0.00032	PASS
		10	LCH	VN	-30	-3.28	-0.00131	PASS
					-20	-1.72	-0.00069	PASS
					-10	-3.32	-0.00133	PASS
					0	-1.69	-0.00067	PASS
					10	-2.8	-0.00112	PASS
					20	-3.49	-0.00139	PASS
					30	-2.33	-0.00093	PASS
					40	-1.12	-0.00045	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	-2.12	-0.00085	PASS
			MCH	VN	-30	-1.83	-0.00072	PASS
					-20	-3	-0.00118	PASS
					-10	-2.73	-0.00108	PASS
					0	-4.56	-0.0018	PASS
					10	-2.69	-0.00106	PASS
					20	-3.86	-0.00152	PASS
					30	-2.47	-0.00097	PASS
					40	-2.26	-0.00089	PASS
					50	-2.17	-0.00086	PASS
			HCH	VN	-30	-1.65	-0.00064	PASS
					-20	-4.08	-0.00159	PASS
					-10	-3.86	-0.0015	PASS
					0	-4.84	-0.00189	PASS
					10	-2.96	-0.00115	PASS
					20	-2	-0.00078	PASS
					30	-5.25	-0.00205	PASS
					40	-5.16	-0.00201	PASS
					50	-4.99	-0.00195	PASS
		15	LCH	VN	-30	1.07	0.00043	PASS
					-20	0.92	0.00037	PASS
					-10	1.06	0.00042	PASS
					0	0.57	0.00023	PASS
					10	0.37	0.00015	PASS
					20	2.35	0.00094	PASS
					30	0.84	0.00033	PASS
					40	1.97	0.00079	PASS
					50	1.27	0.00051	PASS
			MCH	VN	-30	-2.88	-0.00114	PASS
					-20	-2.45	-0.00097	PASS
					-10	-2.75	-0.00108	PASS
					0	-4.52	-0.00178	PASS
					10	-4.66	-0.00184	PASS
					20	-4.09	-0.00161	PASS
					30	-4.68	-0.00185	PASS
					40	-1.65	-0.00065	PASS
					50	-2.65	-0.00105	PASS
			HCH	VN	-30	1.37	0.00053	PASS
					-20	1.53	0.0006	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	1.73	0.00068	PASS
					0	0.93	0.00036	PASS
					10	2.65	0.00103	PASS
					20	5.04	0.00197	PASS
					30	1.97	0.00077	PASS
					40	1.72	0.00067	PASS
					50	2.6	0.00101	PASS
		20	LCH	VN	-30	-0.49	-0.0002	PASS
					-20	3.68	0.00147	PASS
					-10	1.37	0.00055	PASS
					0	0.83	0.00033	PASS
					10	2.73	0.00109	PASS
					20	1.52	0.00061	PASS
					30	0.44	0.00018	PASS
					40	1.83	0.00073	PASS
					50	1.43	0.00057	PASS
			MCH	VN	-30	-4.69	-0.00185	PASS
					-20	-4.21	-0.00166	PASS
					-10	-3.2	-0.00126	PASS
					0	-2.78	-0.0011	PASS
					10	-4.15	-0.00164	PASS
					20	-4.25	-0.00168	PASS
					30	-3.68	-0.00145	PASS
					40	-3.66	-0.00144	PASS
					50	-3.2	-0.00126	PASS
			HCH	VN	-30	-0.99	-0.00039	PASS
					-20	-1.04	-0.00041	PASS
					-10	-0.4	-0.00016	PASS
					0	2.72	0.00106	PASS
					10	-0.09	-0.00004	PASS
					20	-1.44	-0.00056	PASS
					30	-0.26	-0.0001	PASS
					40	-0.19	-0.00007	PASS
					50	-2.19	-0.00086	PASS
	LTE/TM2	5	LCH	VN	-30	0.13	0.00005	PASS
					-20	2.85	0.00114	PASS
					-10	2.12	0.00085	PASS
					0	1.83	0.00073	PASS
					10	1.47	0.00059	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.06	0.00002	PASS
					30	3.56	0.00142	PASS
					40	3.23	0.00129	PASS
					50	2.59	0.00103	PASS
			MCH	VN	-30	-1.95	-0.00077	PASS
					-20	-1.3	-0.00051	PASS
					-10	-0.29	-0.00011	PASS
					0	-2.99	-0.00118	PASS
					10	-3.13	-0.00123	PASS
					20	-3.09	-0.00122	PASS
					30	-3.69	-0.00146	PASS
					40	-3.53	-0.00139	PASS
					50	-0.72	-0.00028	PASS
			HCH	VN	-30	1.52	0.00059	PASS
					-20	-0.21	-0.00008	PASS
					-10	0.46	0.00018	PASS
					0	-0.63	-0.00025	PASS
					10	1.22	0.00048	PASS
					20	0.67	0.00026	PASS
					30	0.97	0.00038	PASS
					40	1.54	0.0006	PASS
					50	-0.44	-0.00017	PASS
		10	LCH	VN	-30	-4.58	-0.00183	PASS
					-20	-1.93	-0.00077	PASS
					-10	-2.78	-0.00111	PASS
					0	-2.4	-0.00096	PASS
					10	-2.86	-0.00114	PASS
					20	-3.53	-0.00141	PASS
					30	-4.59	-0.00183	PASS
					40	-4.75	-0.0019	PASS
					50	-3.53	-0.00141	PASS
			MCH	VN	-30	-4.03	-0.00159	PASS
					-20	-3.18	-0.00125	PASS
					-10	-1.75	-0.00069	PASS
					0	-3.55	-0.0014	PASS
					10	-1.63	-0.00064	PASS
					20	-2.27	-0.0009	PASS
					30	-3.99	-0.00157	PASS
					40	-1.96	-0.00077	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	VN	50	-3.71	-0.00146	PASS
					-30	-3.81	-0.00149	PASS
					-20	-5.26	-0.00205	PASS
					-10	-3.62	-0.00141	PASS
					0	-4.65	-0.00181	PASS
					10	-3.99	-0.00156	PASS
					20	-4.53	-0.00177	PASS
					30	-4.33	-0.00169	PASS
					40	-5.54	-0.00216	PASS
					50	-4.18	-0.00163	PASS
		15	LCH	VN	-30	3.48	0.00139	PASS
					-20	4.96	0.00198	PASS
					-10	2.09	0.00083	PASS
					0	0.31	0.00012	PASS
					10	0.59	0.00024	PASS
					20	0.26	0.0001	PASS
					30	0.54	0.00022	PASS
					40	0.54	0.00022	PASS
					50	2.45	0.00098	PASS
			MCH	VN	-30	-3.86	-0.00152	PASS
					-20	-2.83	-0.00112	PASS
					-10	-3.76	-0.00148	PASS
					0	-3.76	-0.00148	PASS
					10	-4.32	-0.0017	PASS
					20	-4.68	-0.00185	PASS
					30	-3.2	-0.00126	PASS
					40	-4.82	-0.0019	PASS
					50	-3.22	-0.00127	PASS
			HCH	VN	-30	2.05	0.0008	PASS
					-20	-0.39	-0.00015	PASS
					-10	1.8	0.0007	PASS
					0	1.96	0.00076	PASS
					10	2.5	0.00098	PASS
					20	1.89	0.00074	PASS
					30	0.07	0.00003	PASS
					40	3.19	0.00124	PASS
					50	2.92	0.00114	PASS
		20	LCH	VN	-30	1.57	0.00063	PASS
					-20	3.55	0.00141	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test. Volt	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	1.89	0.00075	PASS
					0	2.03	0.00081	PASS
					10	2.59	0.00103	PASS
					20	3.48	0.00139	PASS
					30	3.62	0.00144	PASS
					40	2.89	0.00115	PASS
					50	1.93	0.00077	PASS
			MCH	VN	-30	-5.16	-0.00204	PASS
					-20	-2.06	-0.00081	PASS
					-10	-2.29	-0.0009	PASS
					0	-2.73	-0.00108	PASS
					10	-1.92	-0.00076	PASS
					20	-1.1	-0.00043	PASS
					30	-4.02	-0.00159	PASS
					40	-4.41	-0.00174	PASS
					50	-3.59	-0.00142	PASS
			HCH	VN	-30	1.67	0.00065	PASS
					-20	-0.96	-0.00038	PASS
					-10	-0.19	-0.00007	PASS
					0	-0.09	-0.00004	PASS
					10	1.69	0.00066	PASS
					20	0.37	0.00014	PASS
					30	0.2	0.00008	PASS
					40	0.59	0.00023	PASS
					50	-0.5	-0.0002	PASS

END