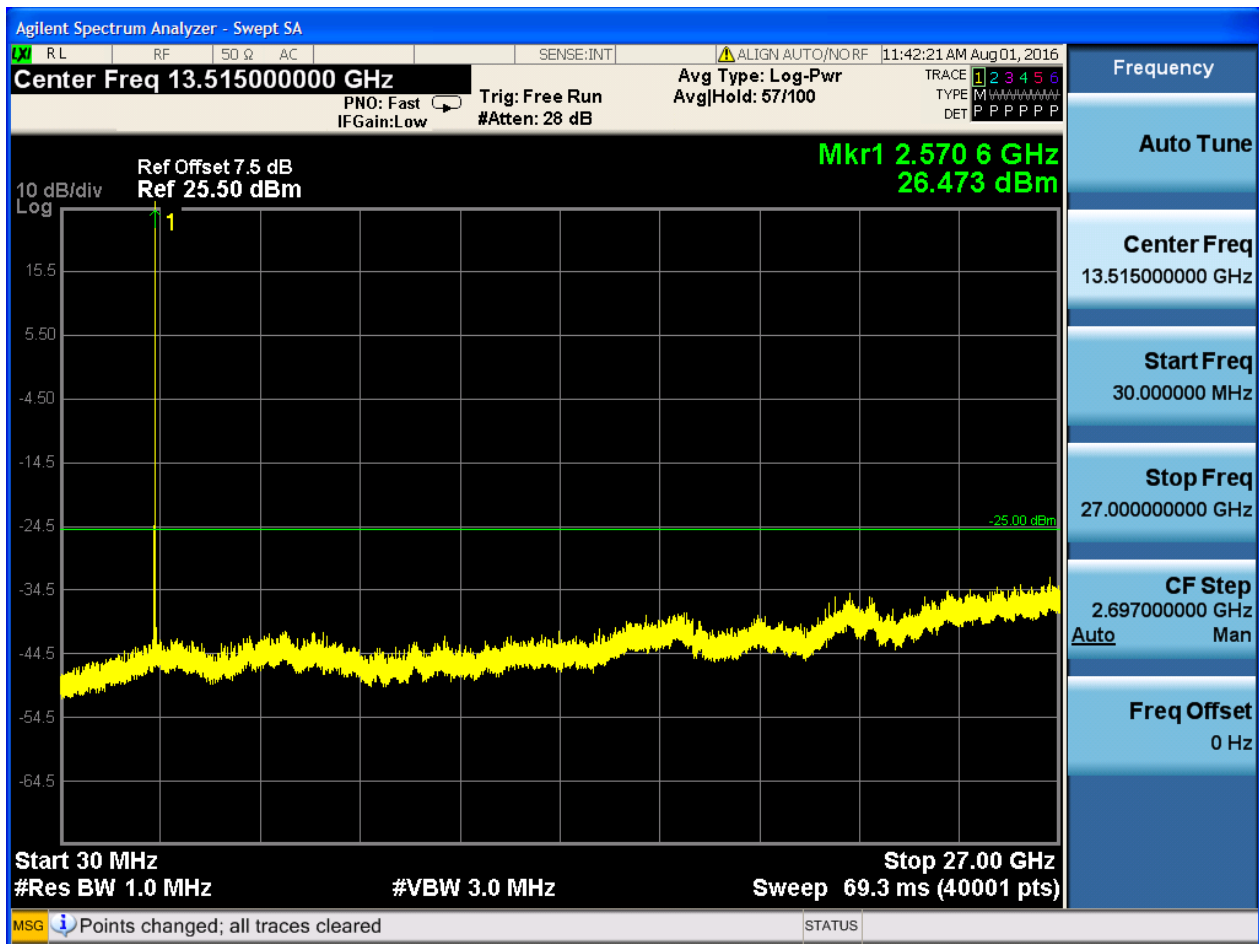
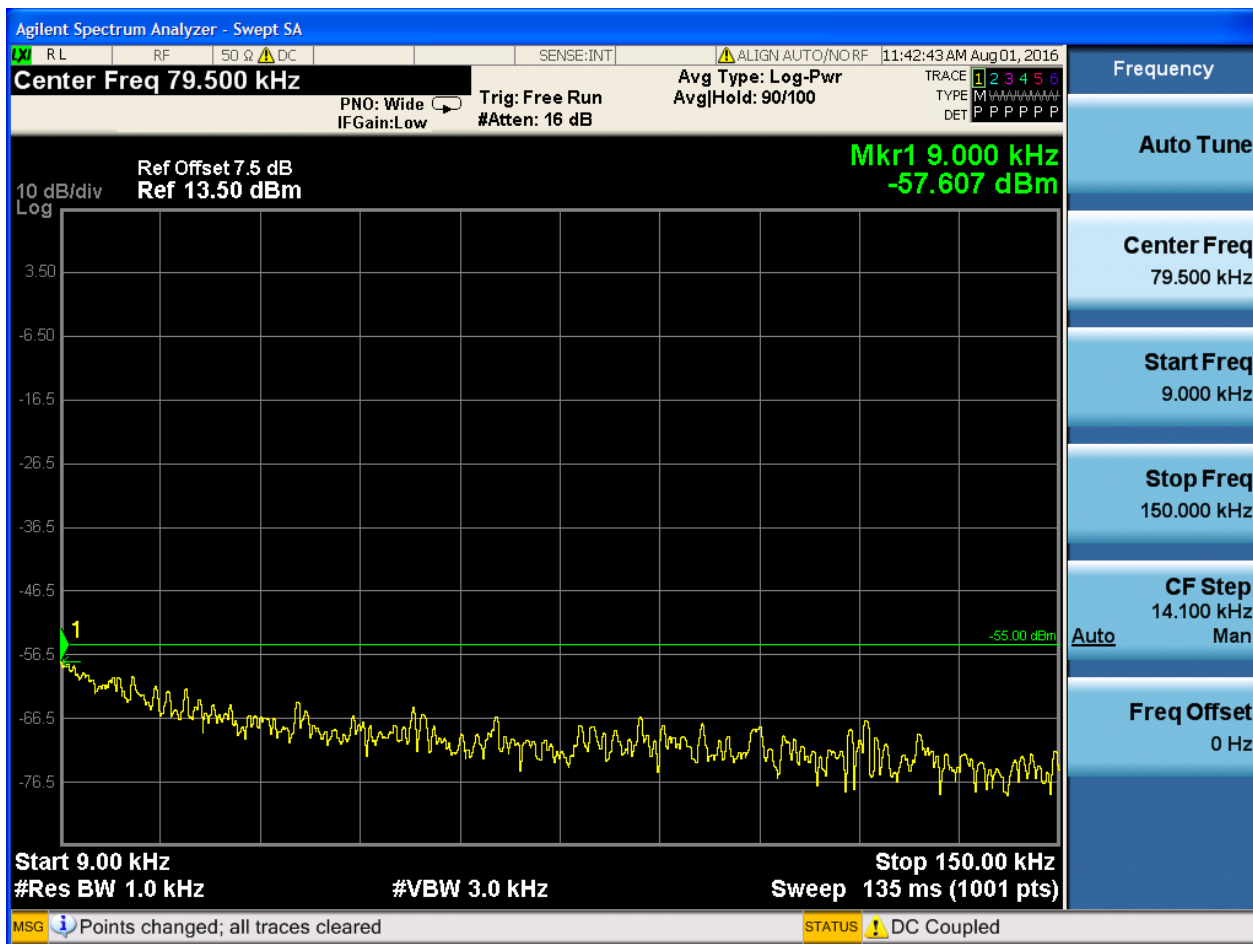


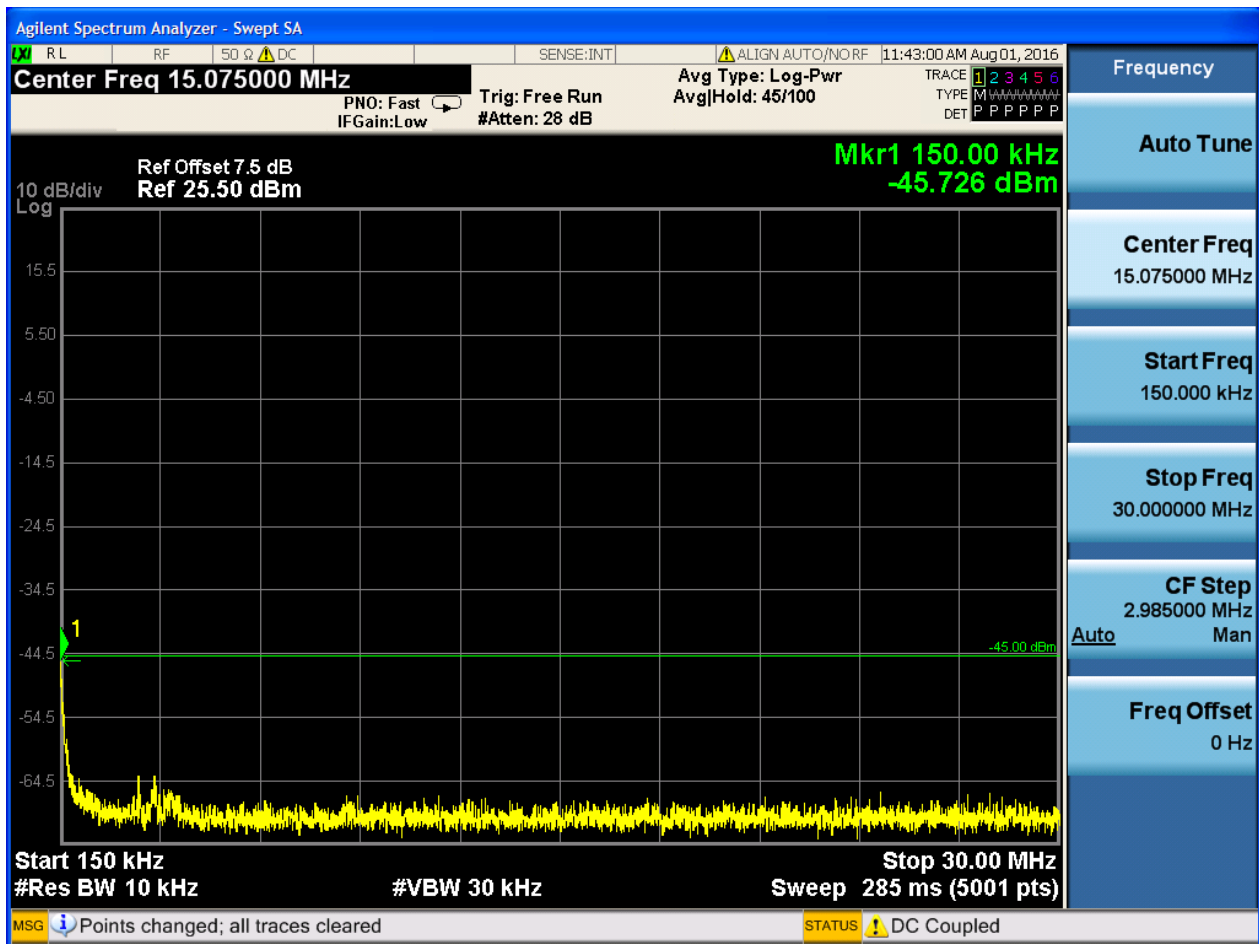


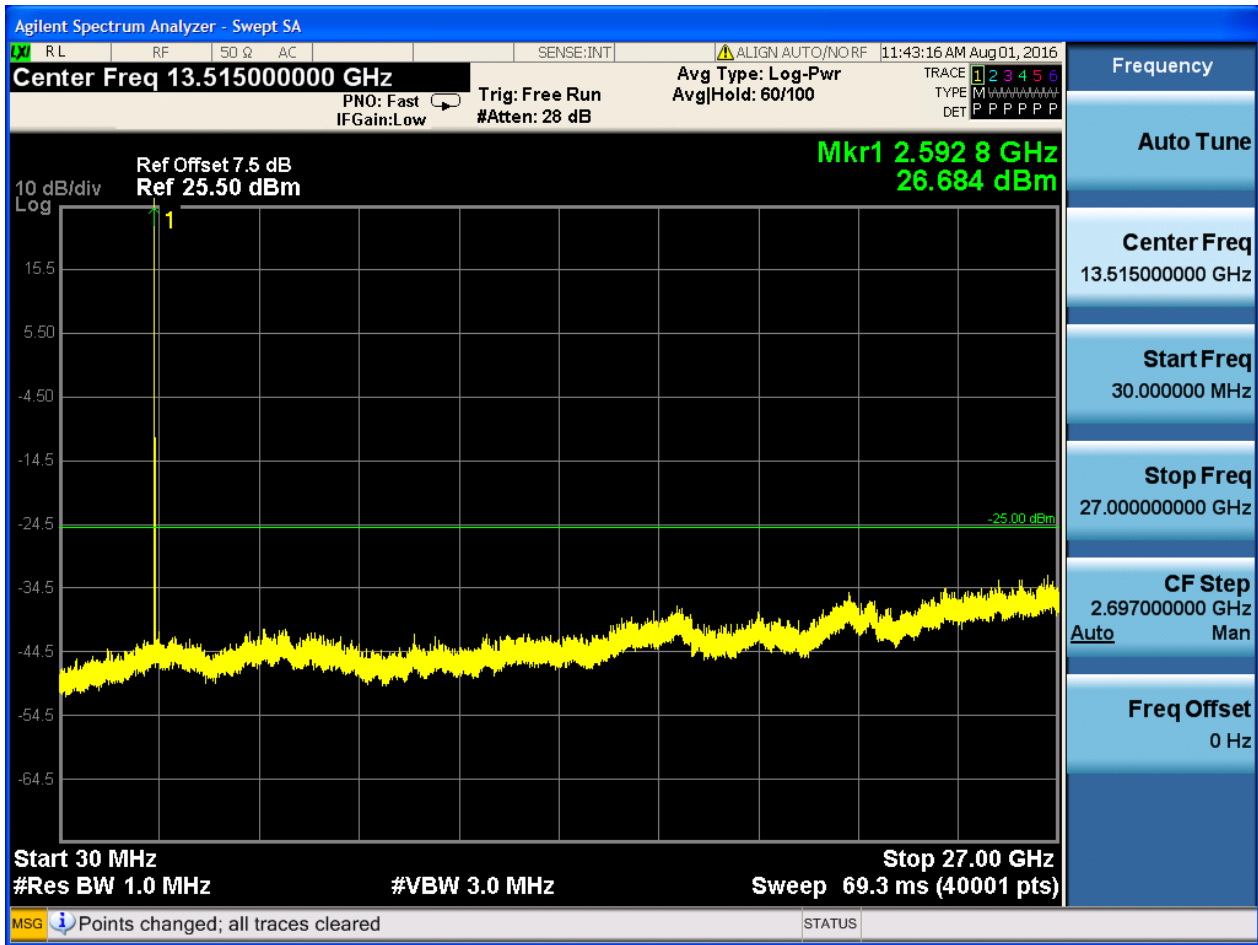


6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



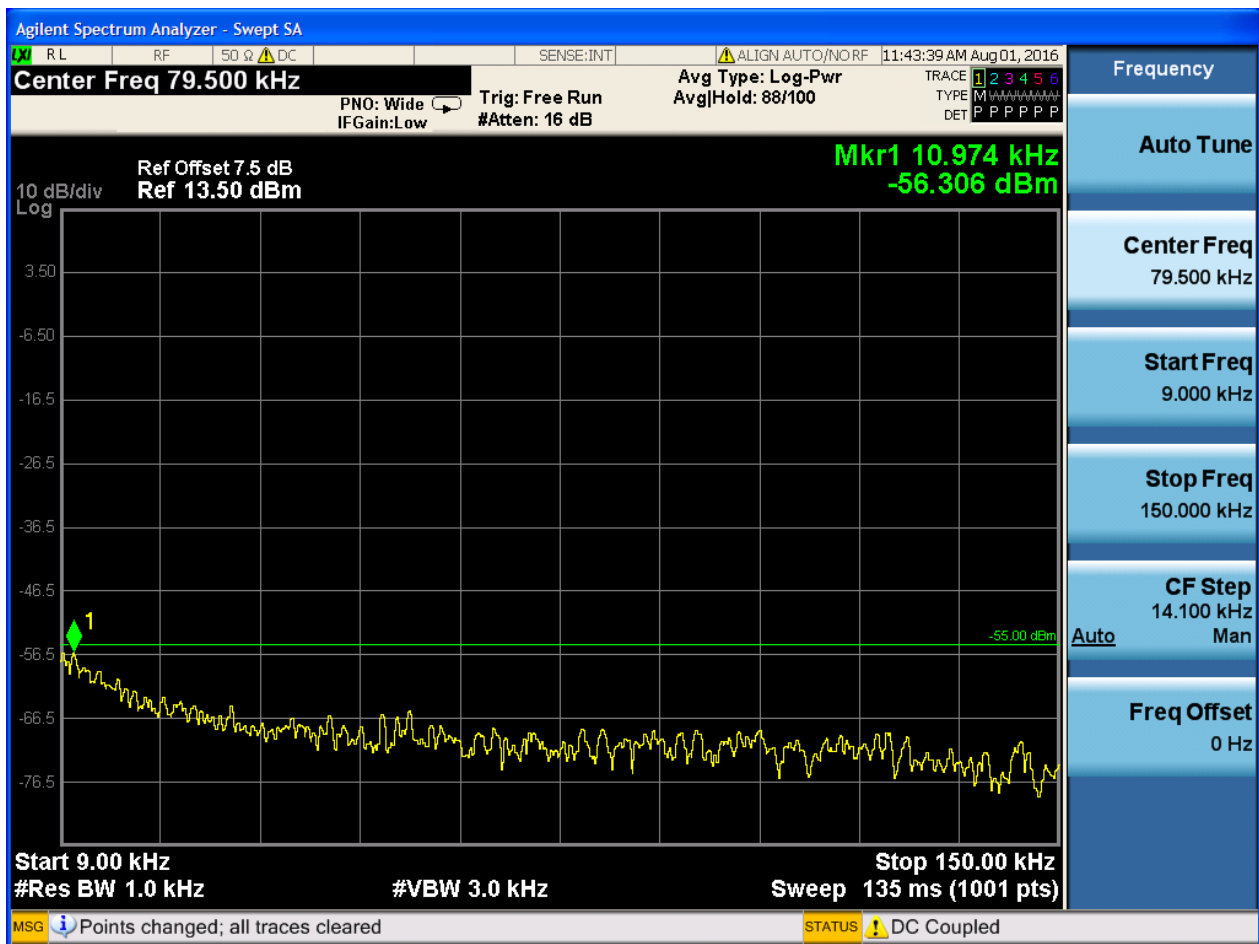


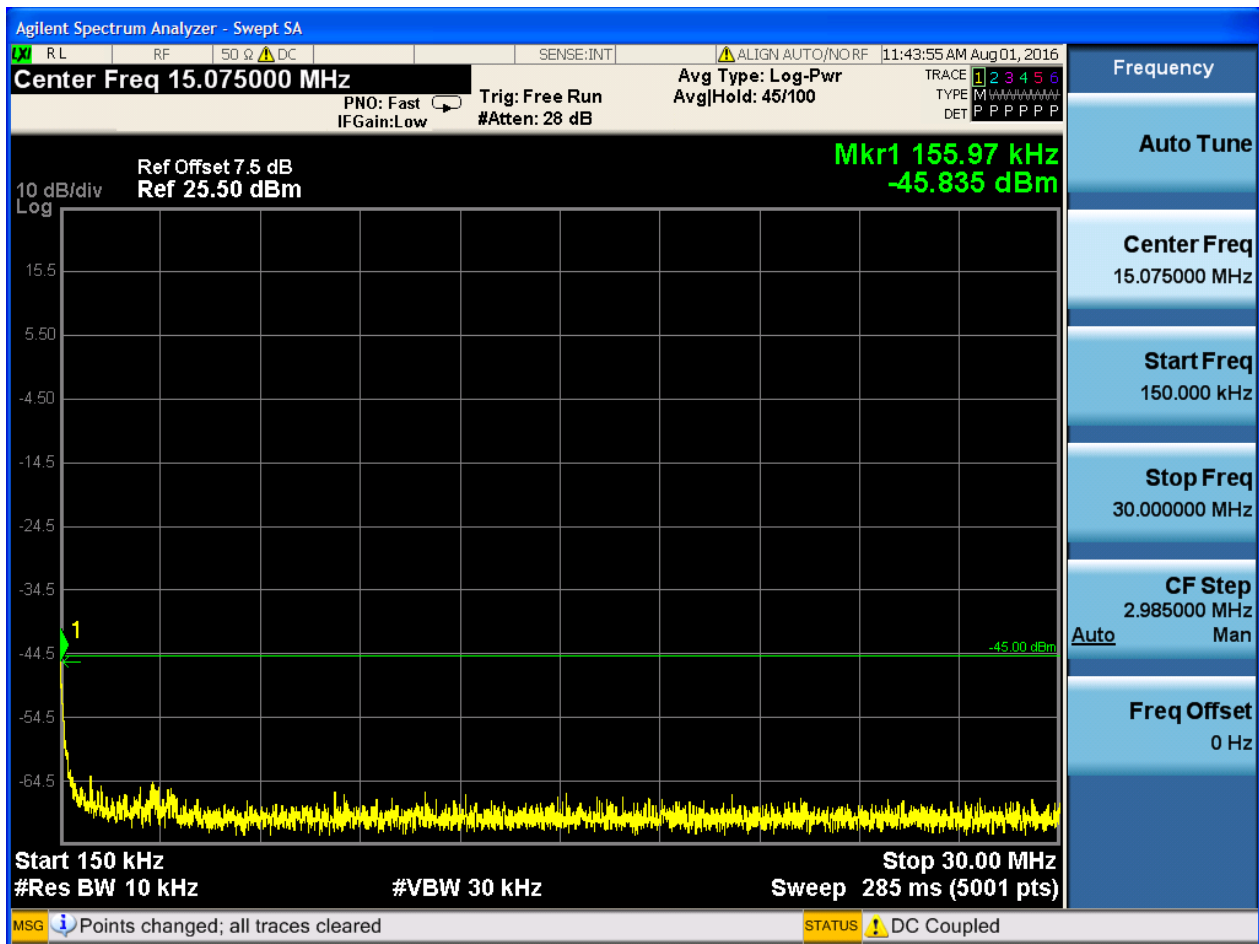


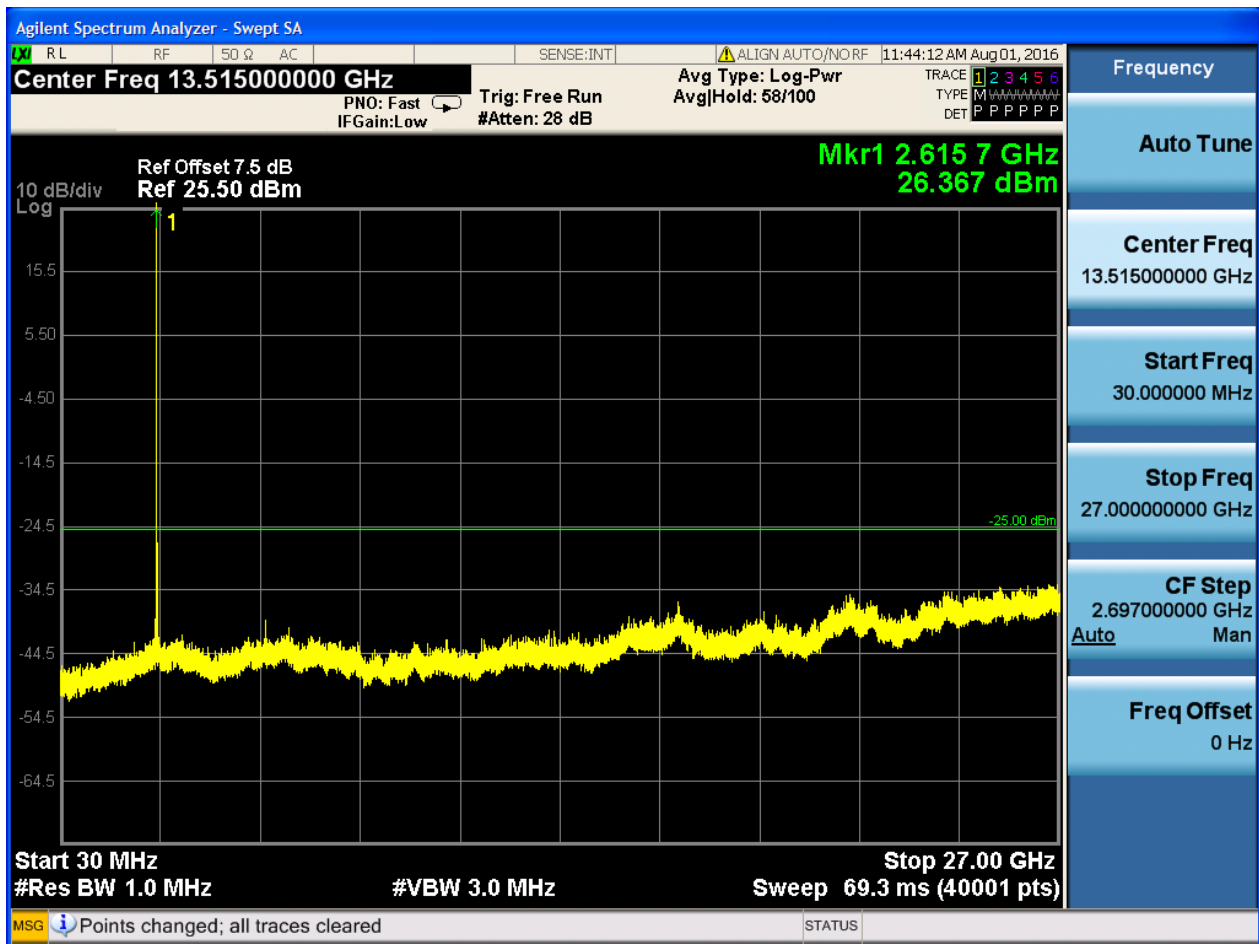


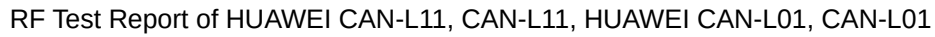
6.1.1.1.1.3 Test Channel = HCH

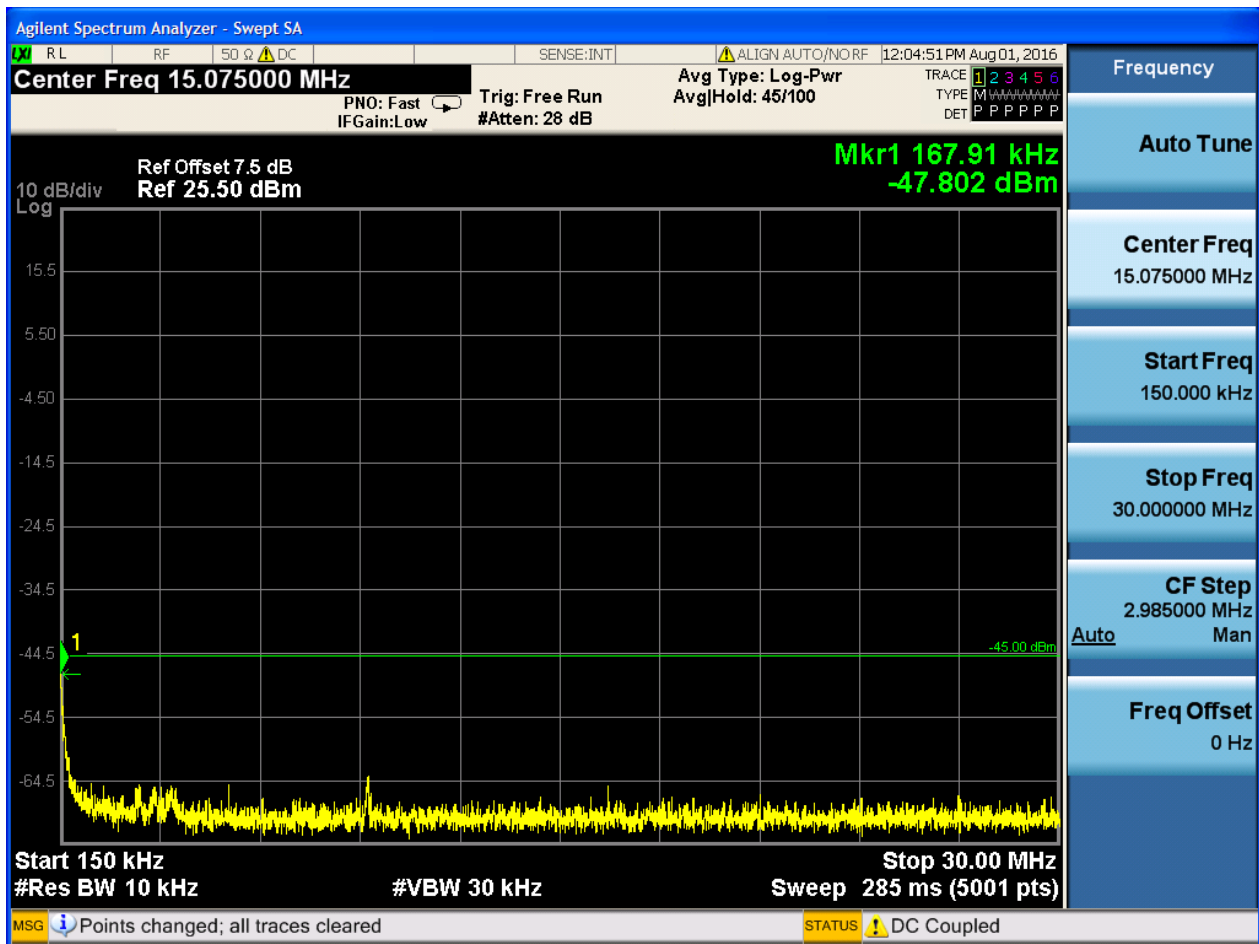
6.1.1.1.1.3.1 Test RB = RB1#0

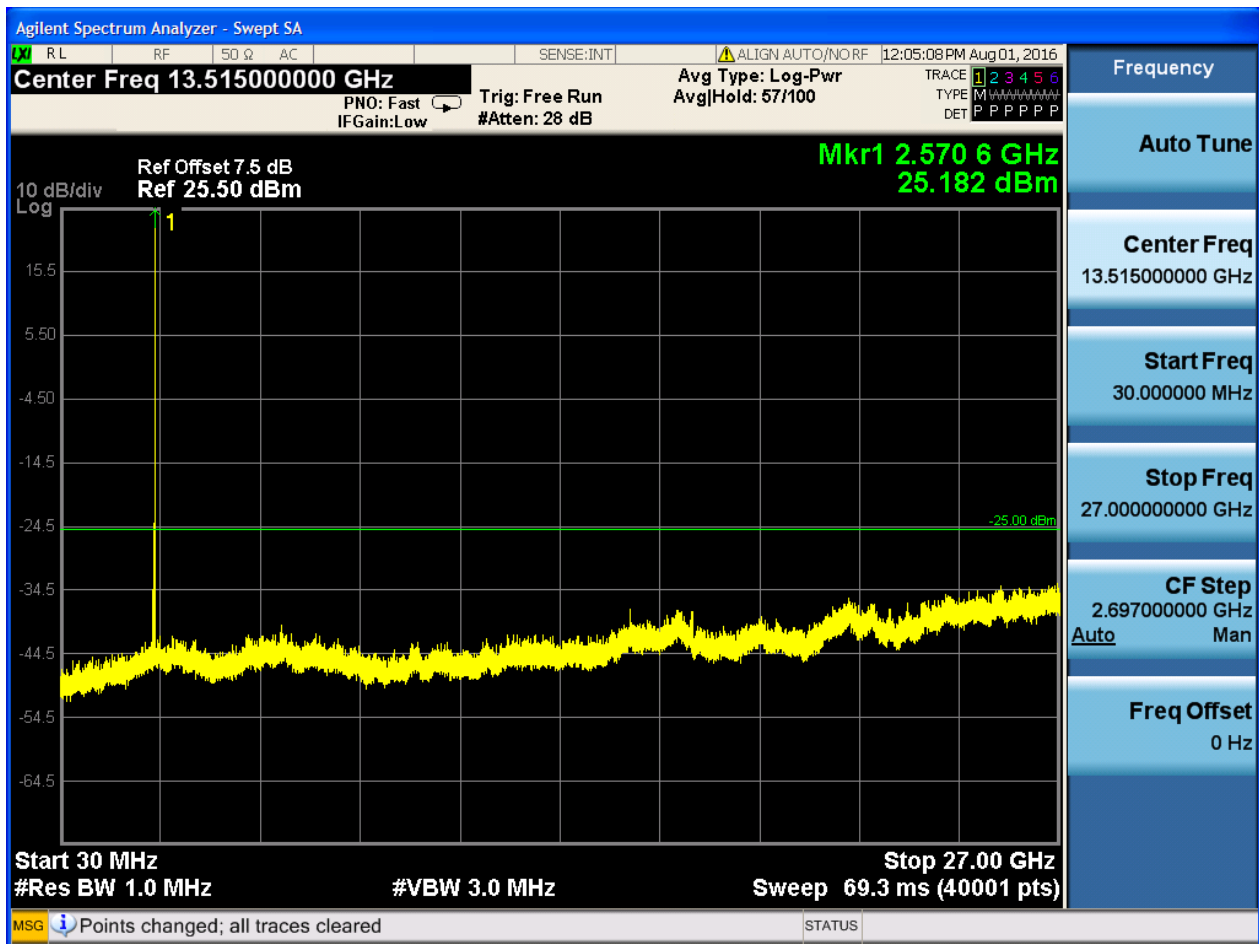






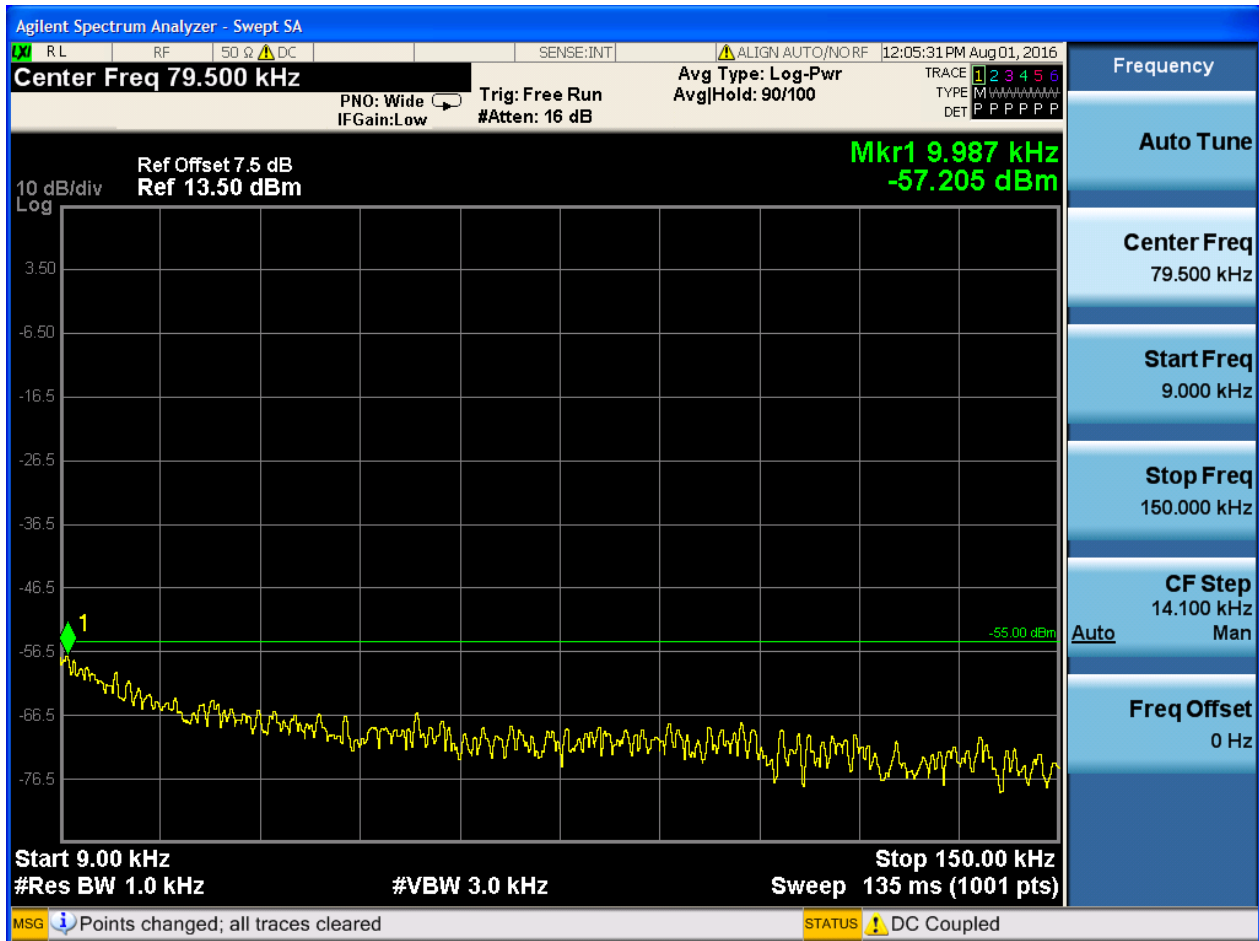


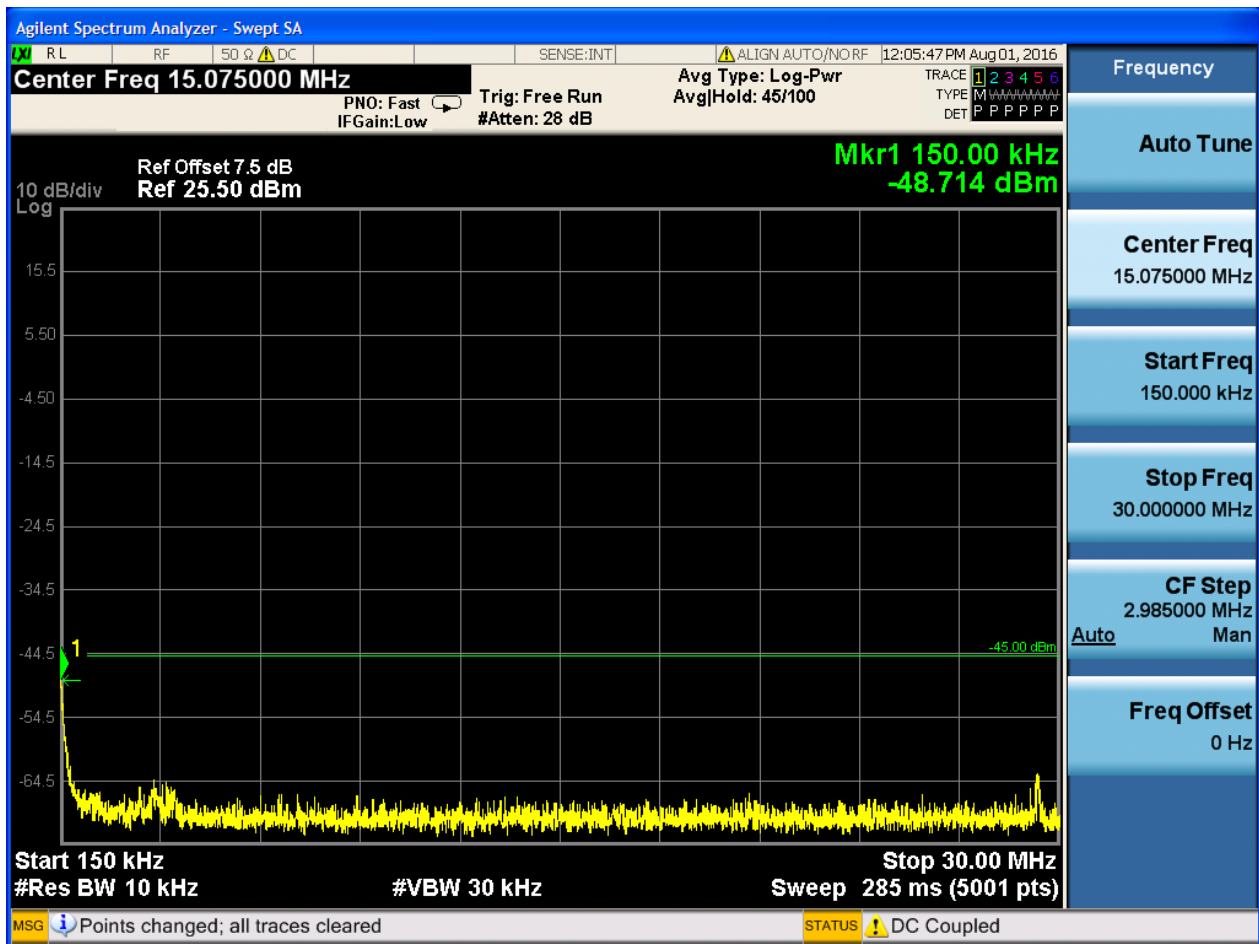


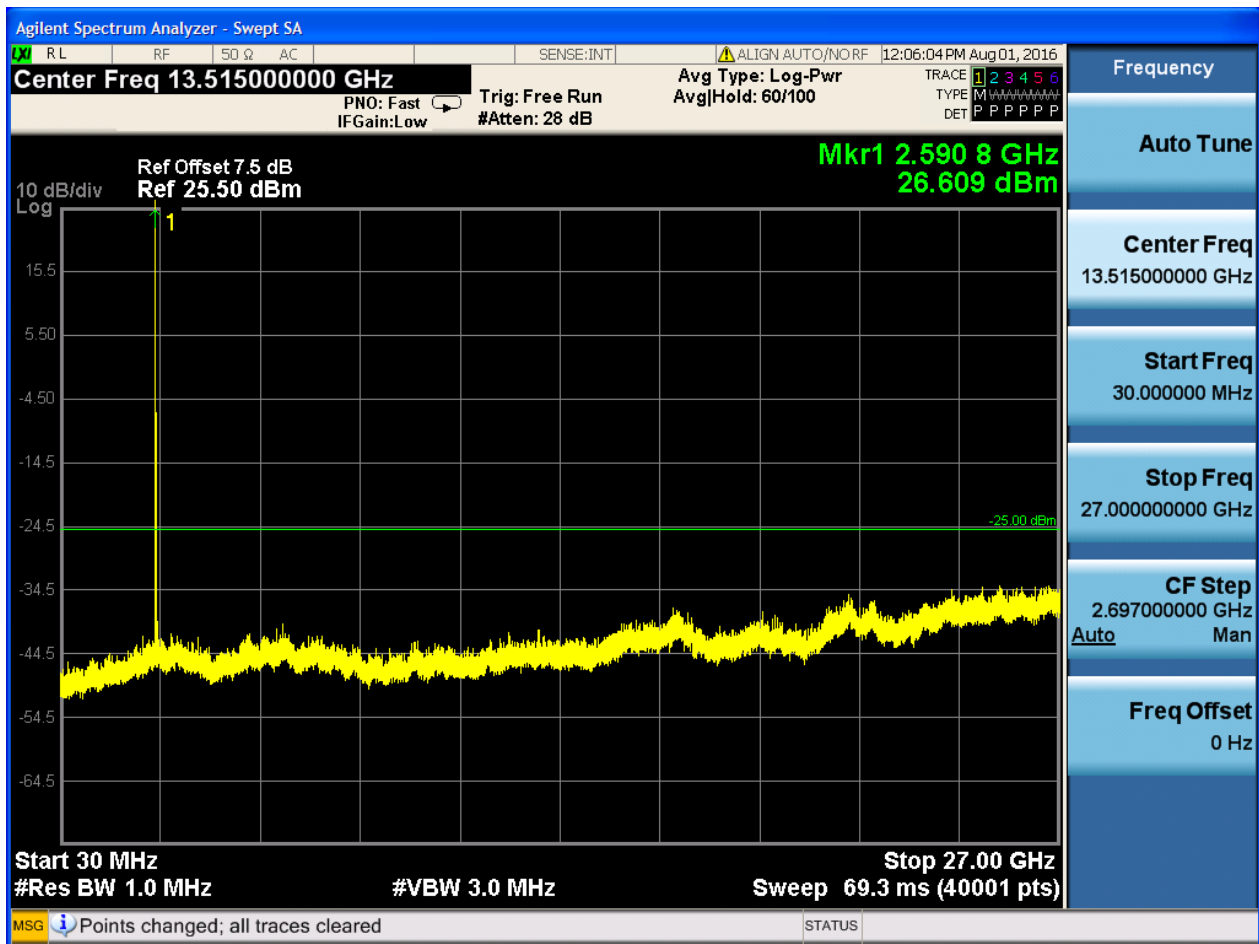


6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0

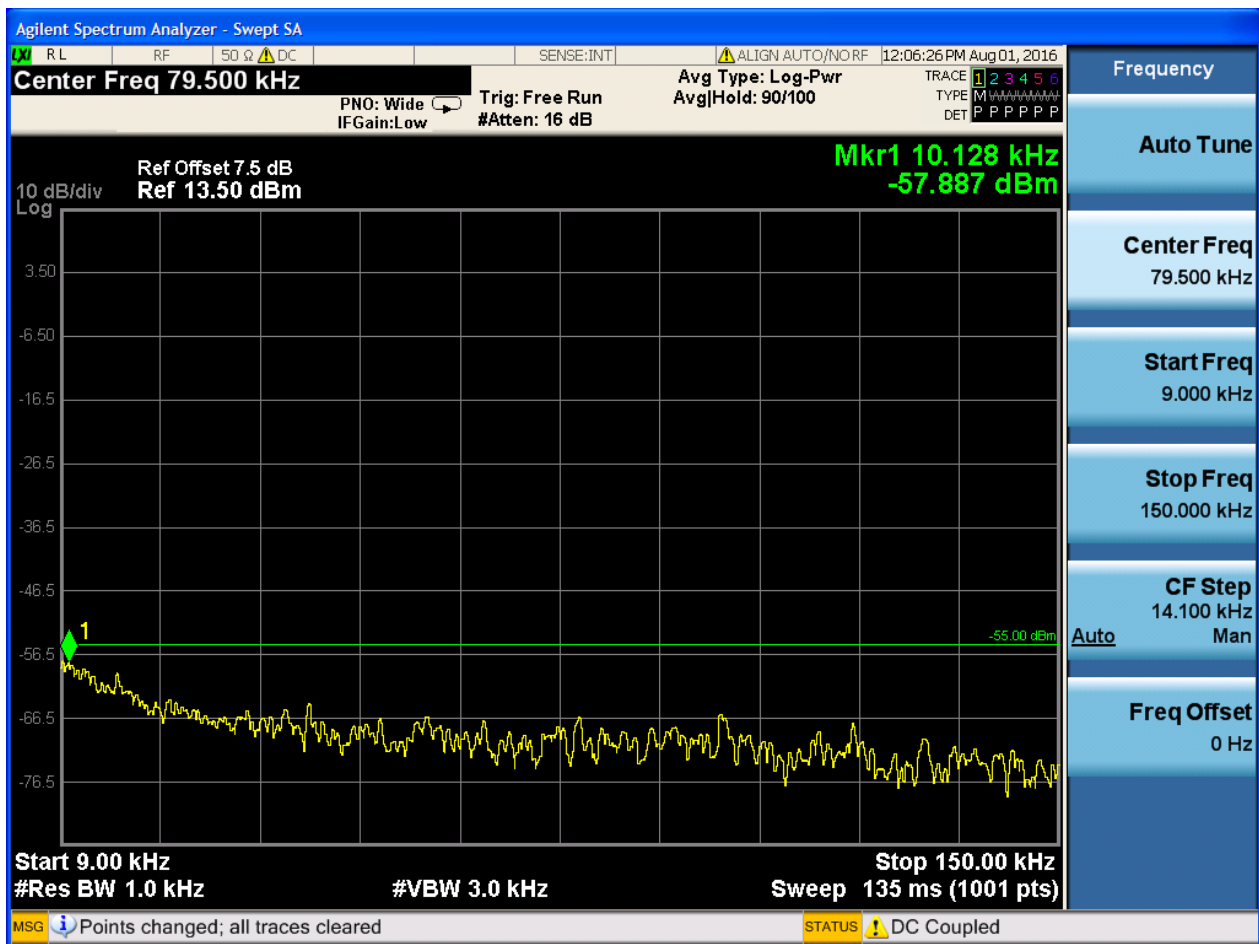


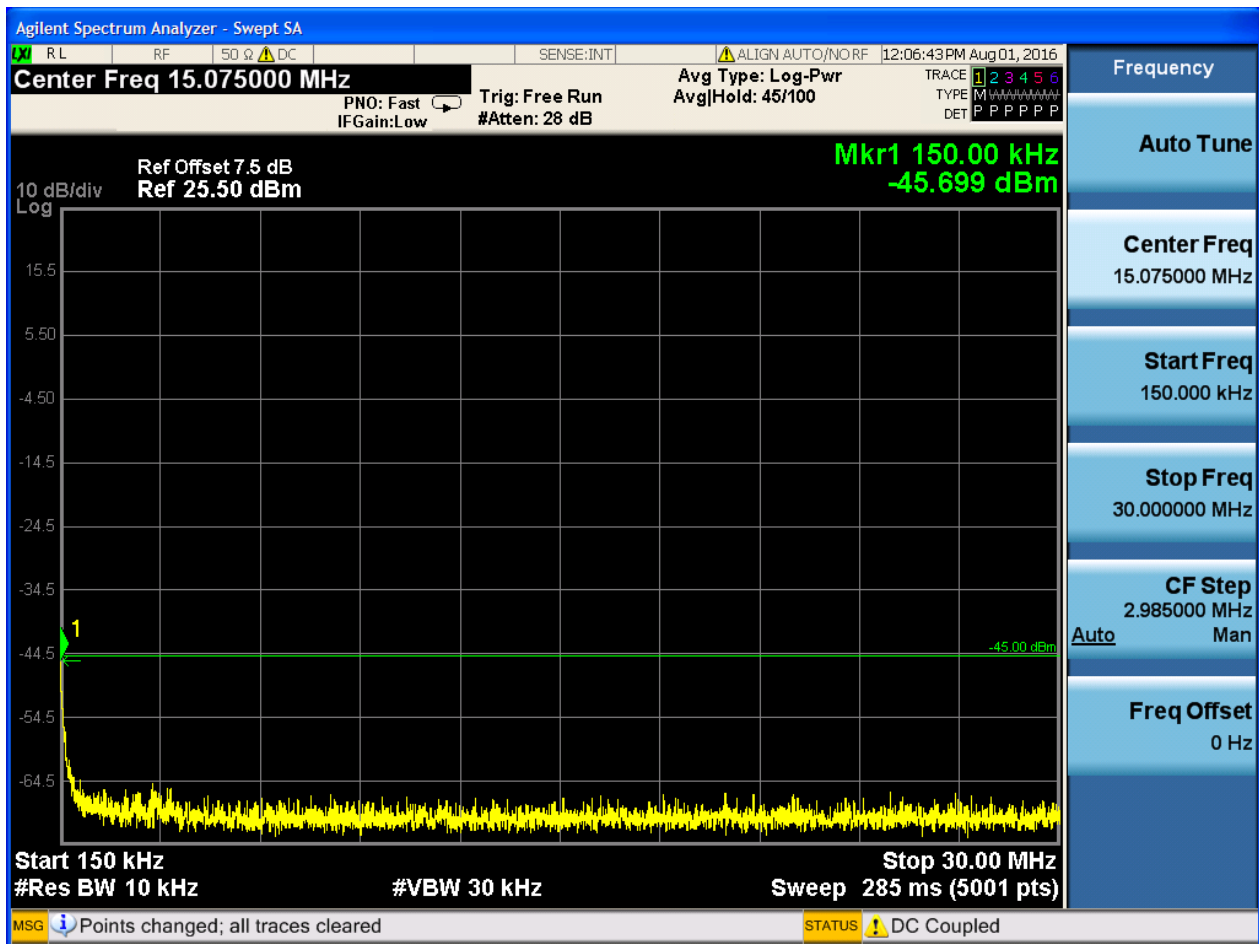


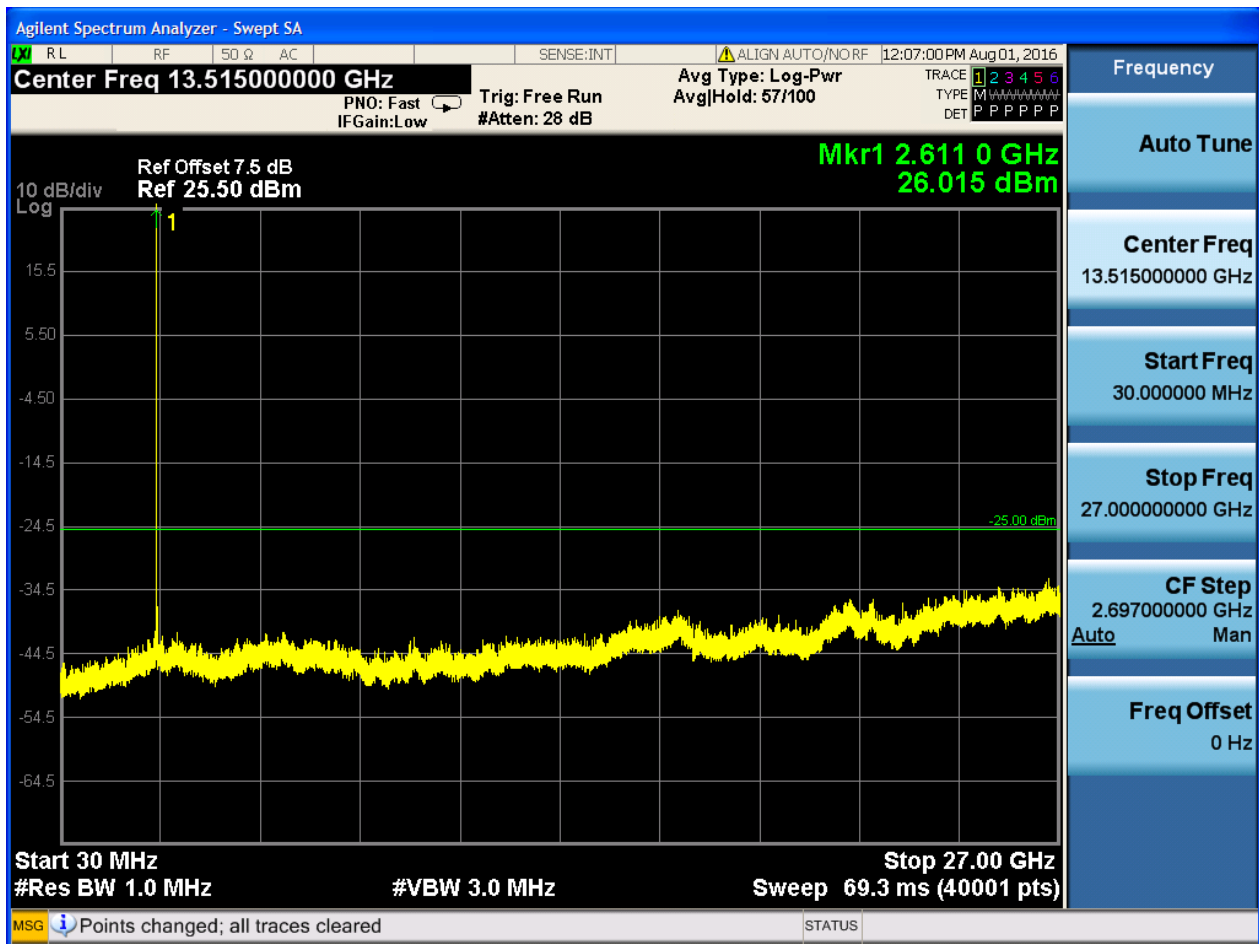


6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



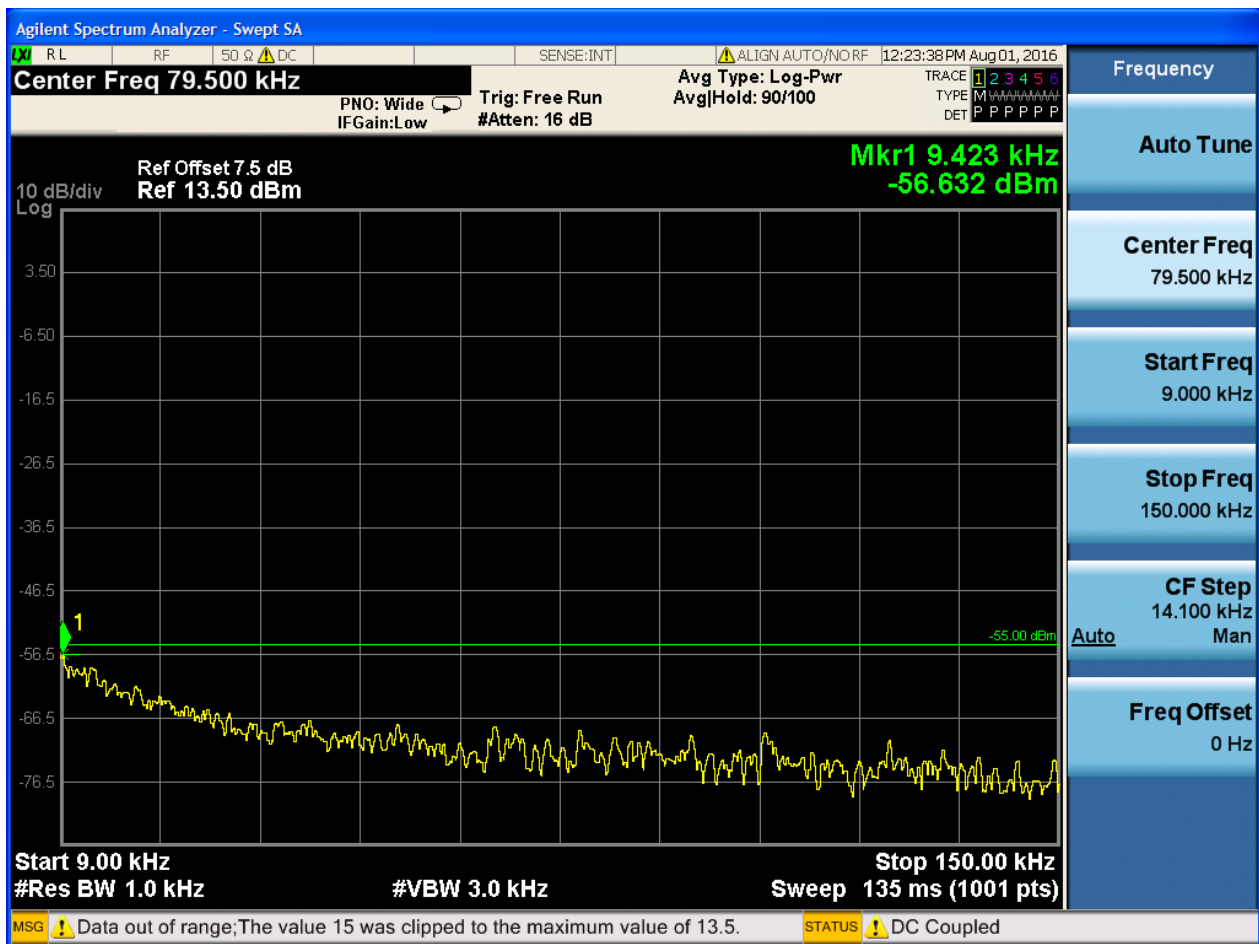


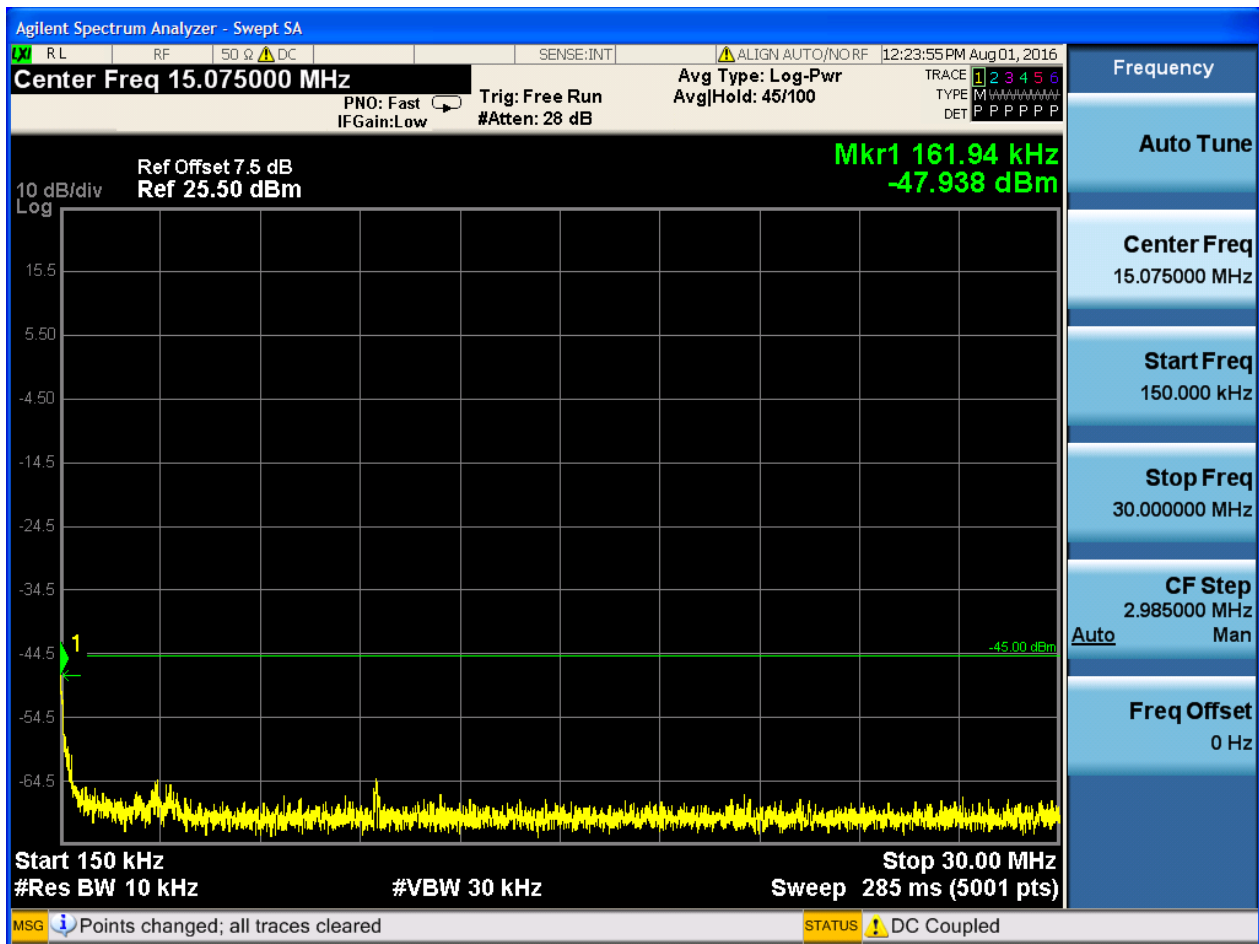


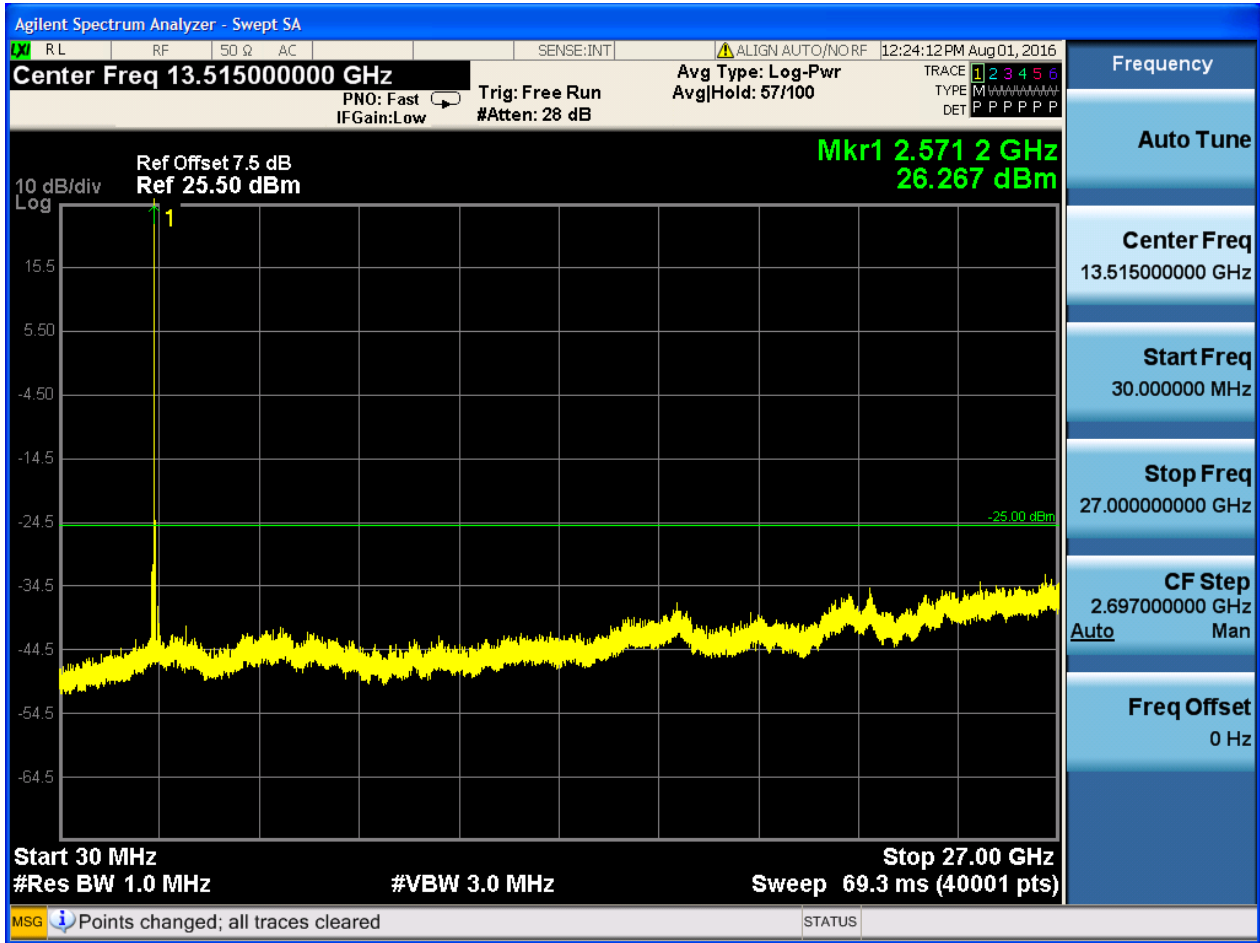
6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0

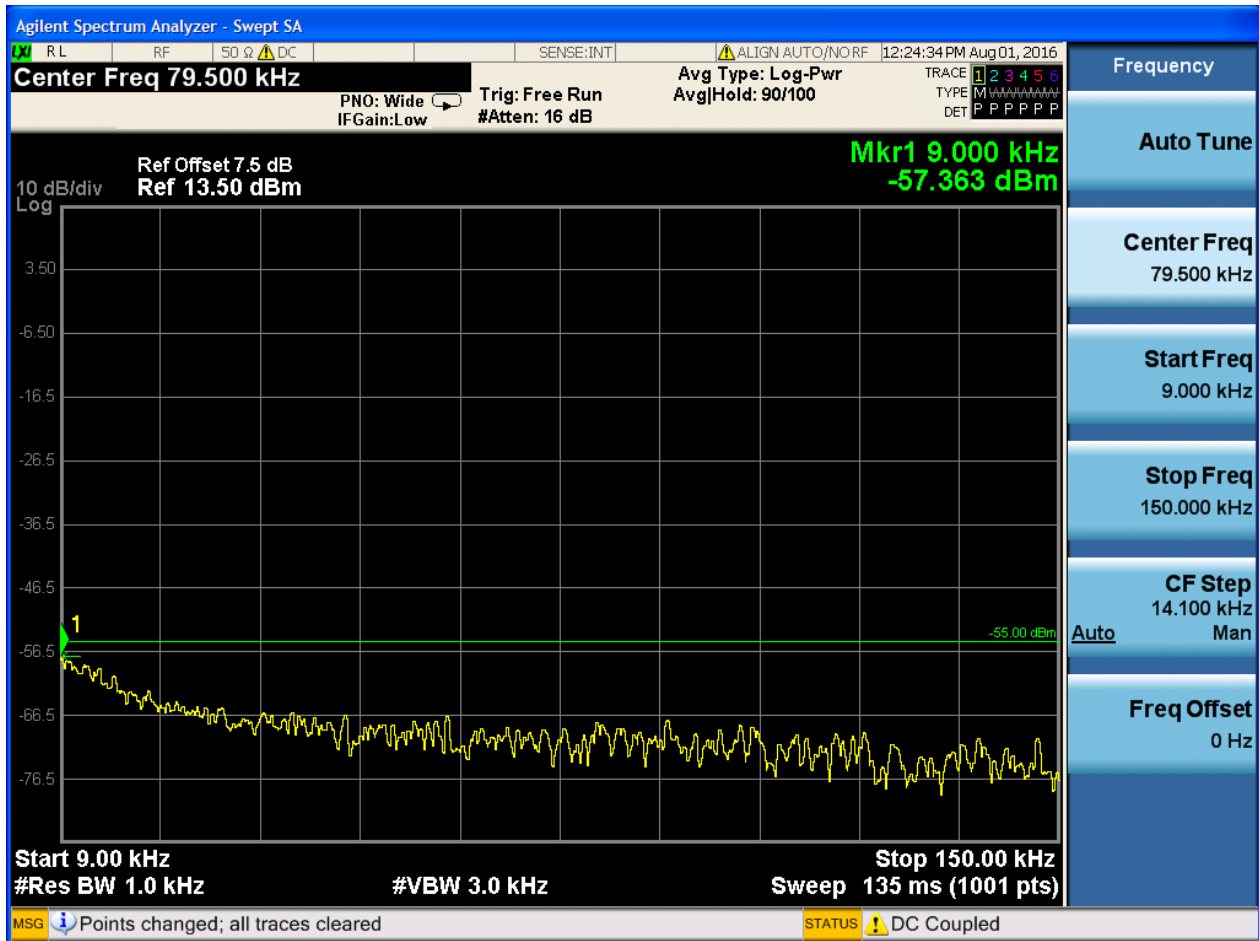


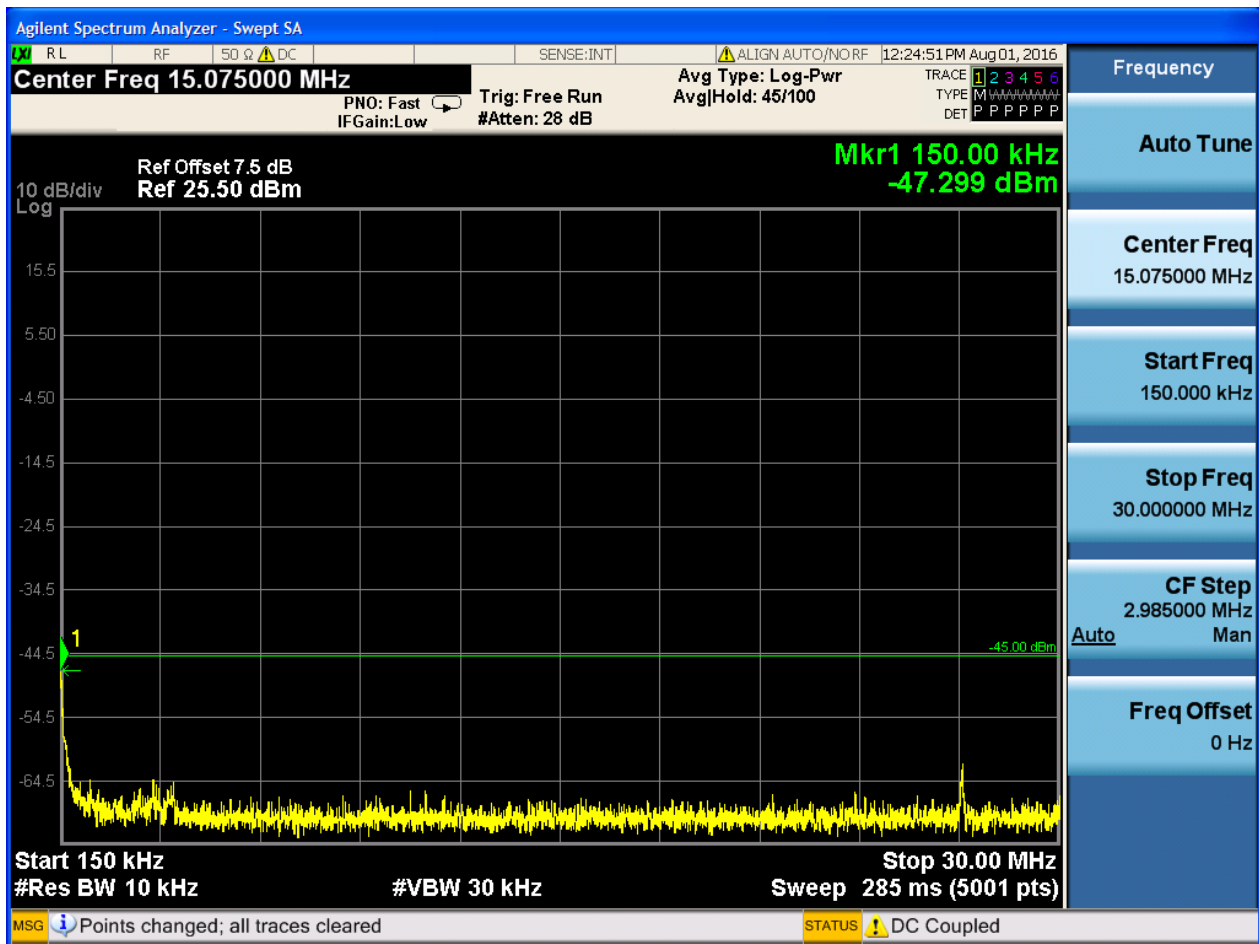




6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0



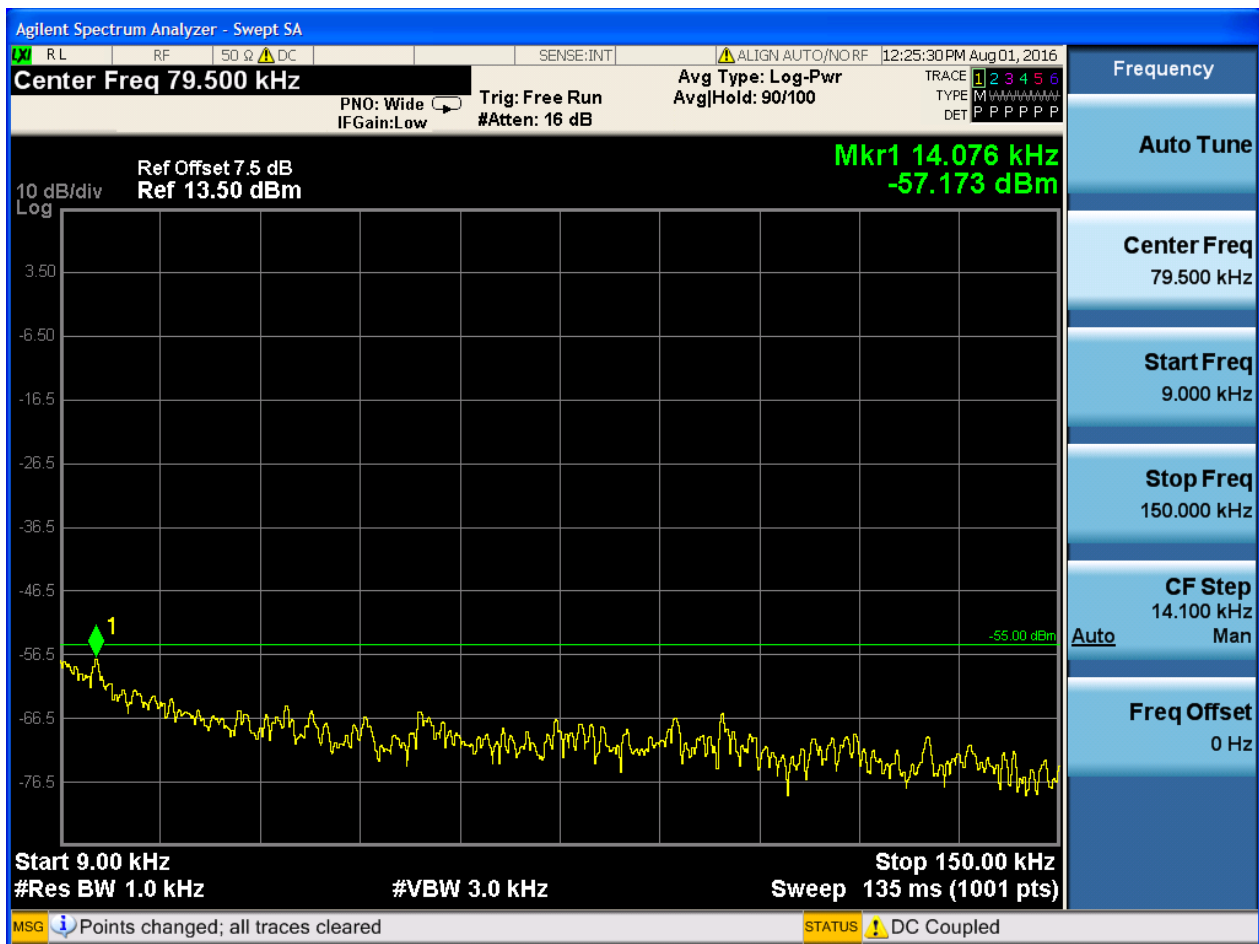


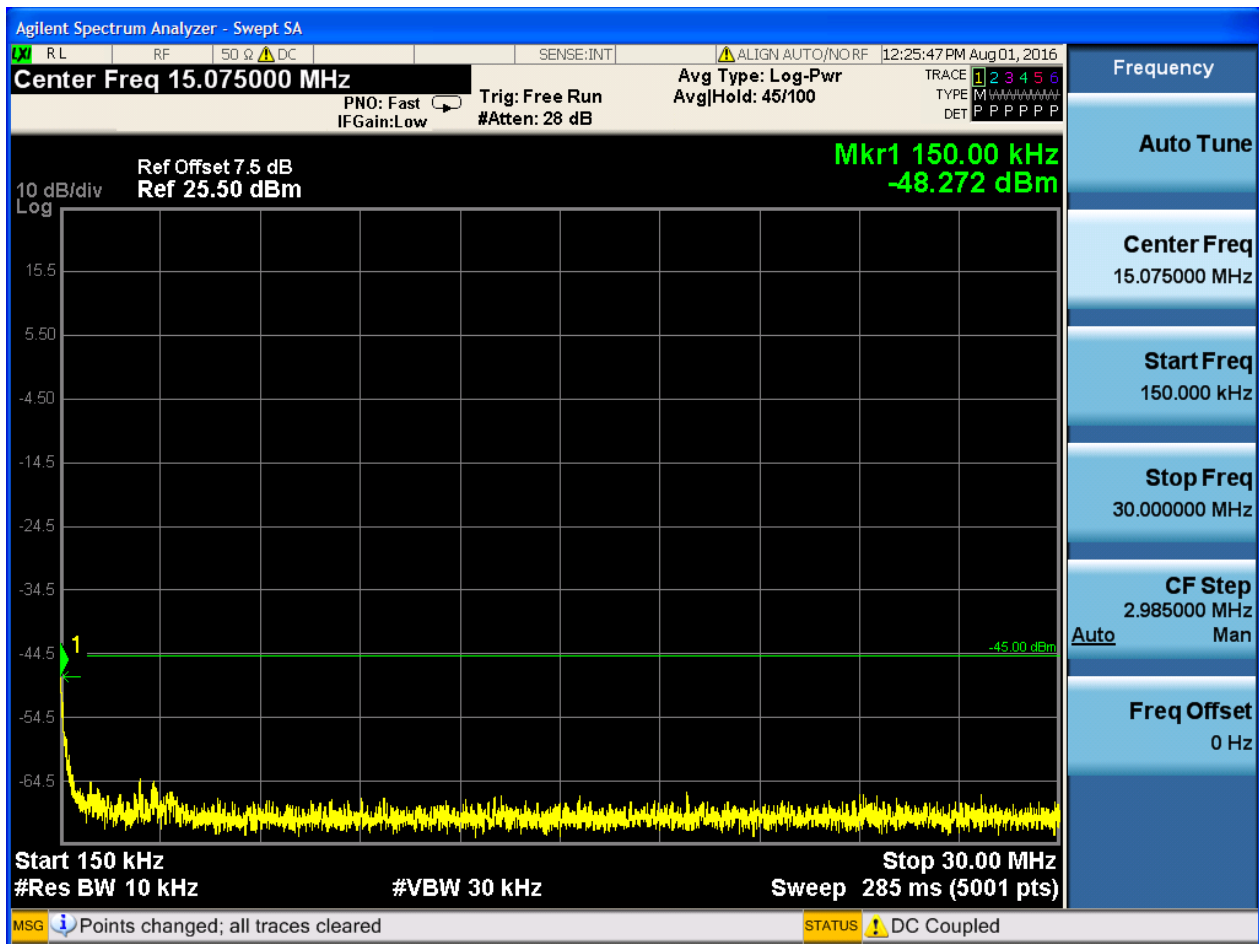


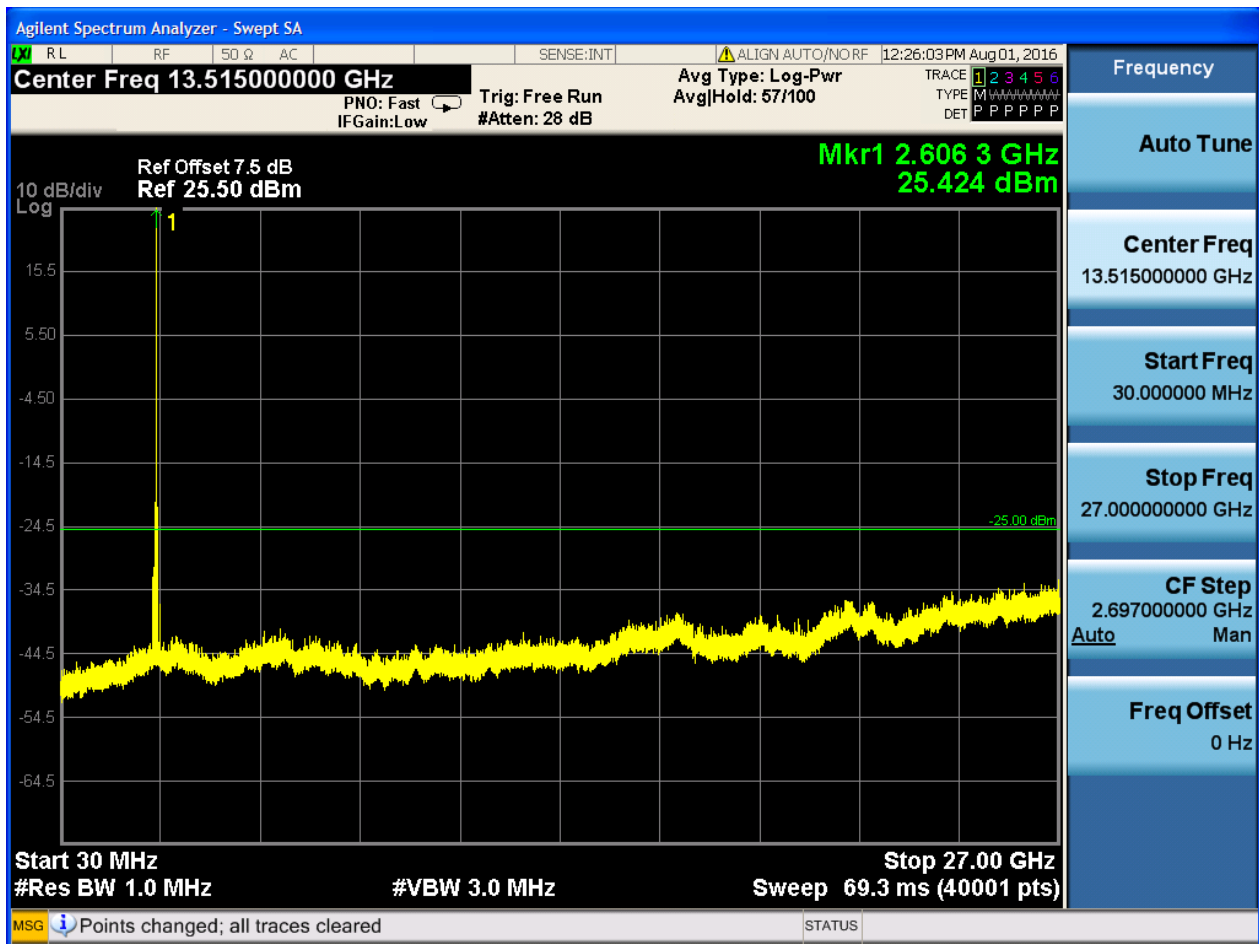


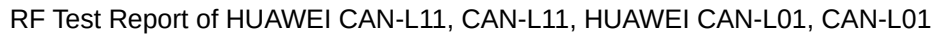
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0

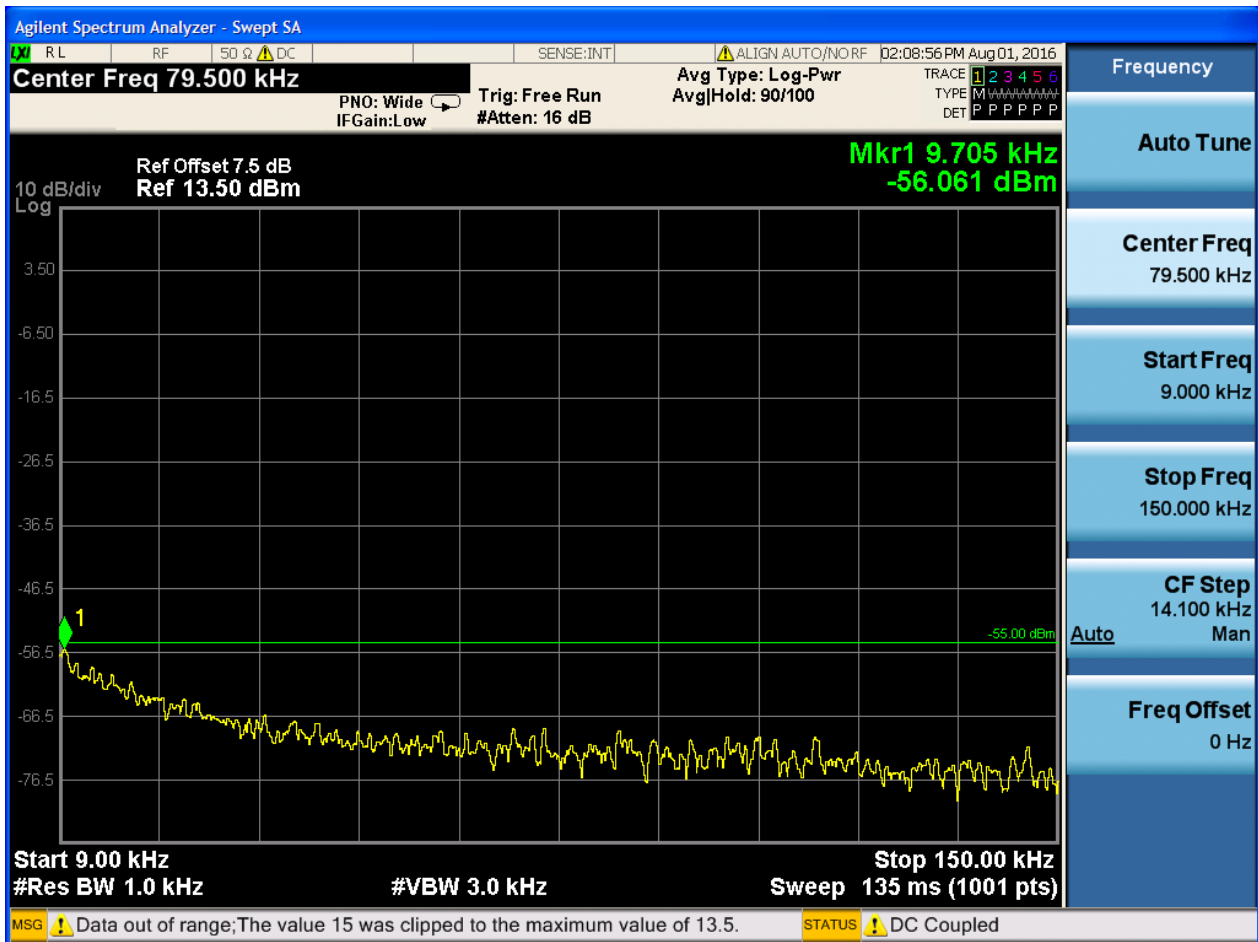


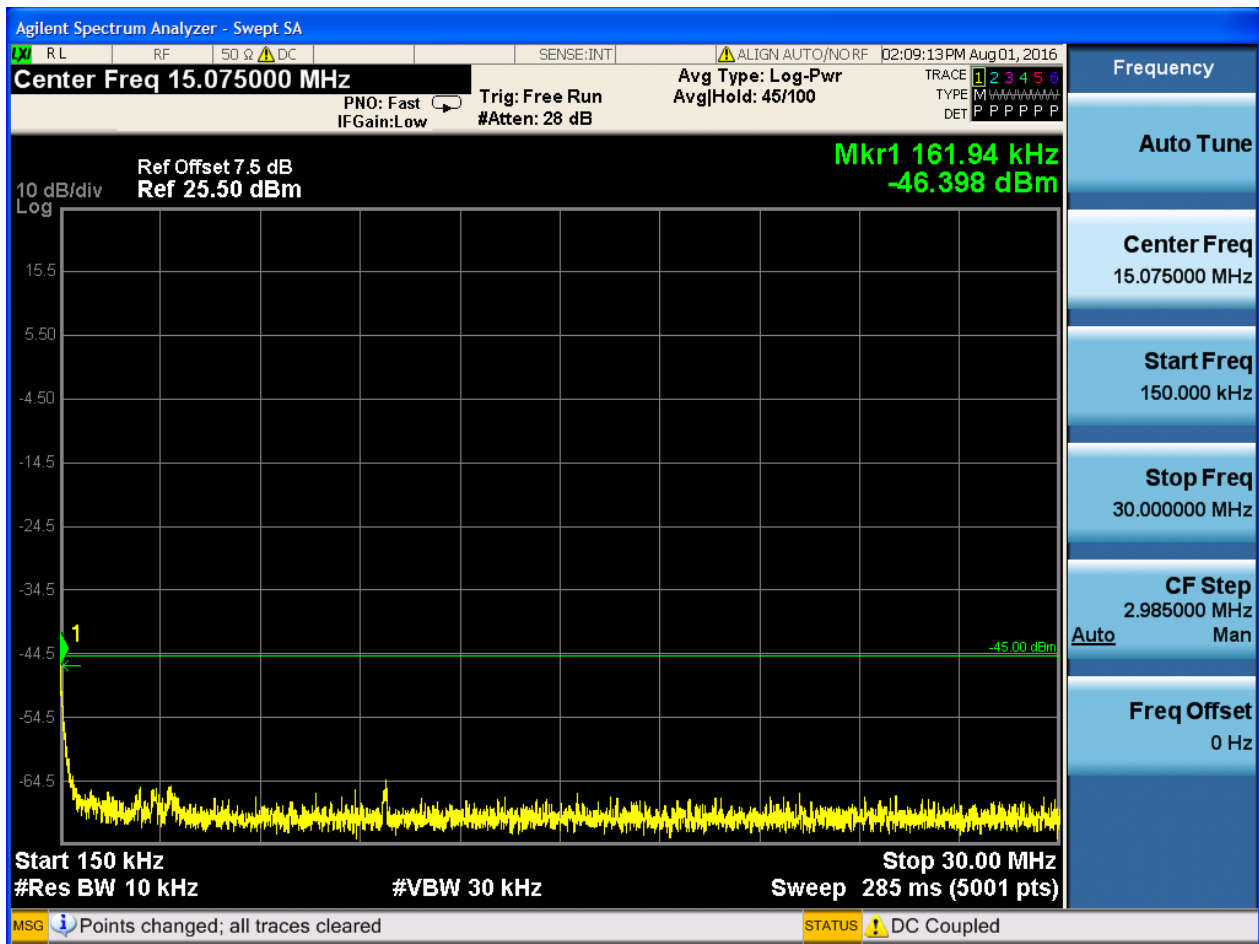






6.1.1.1.4.1.1 Test RB = RB1#0



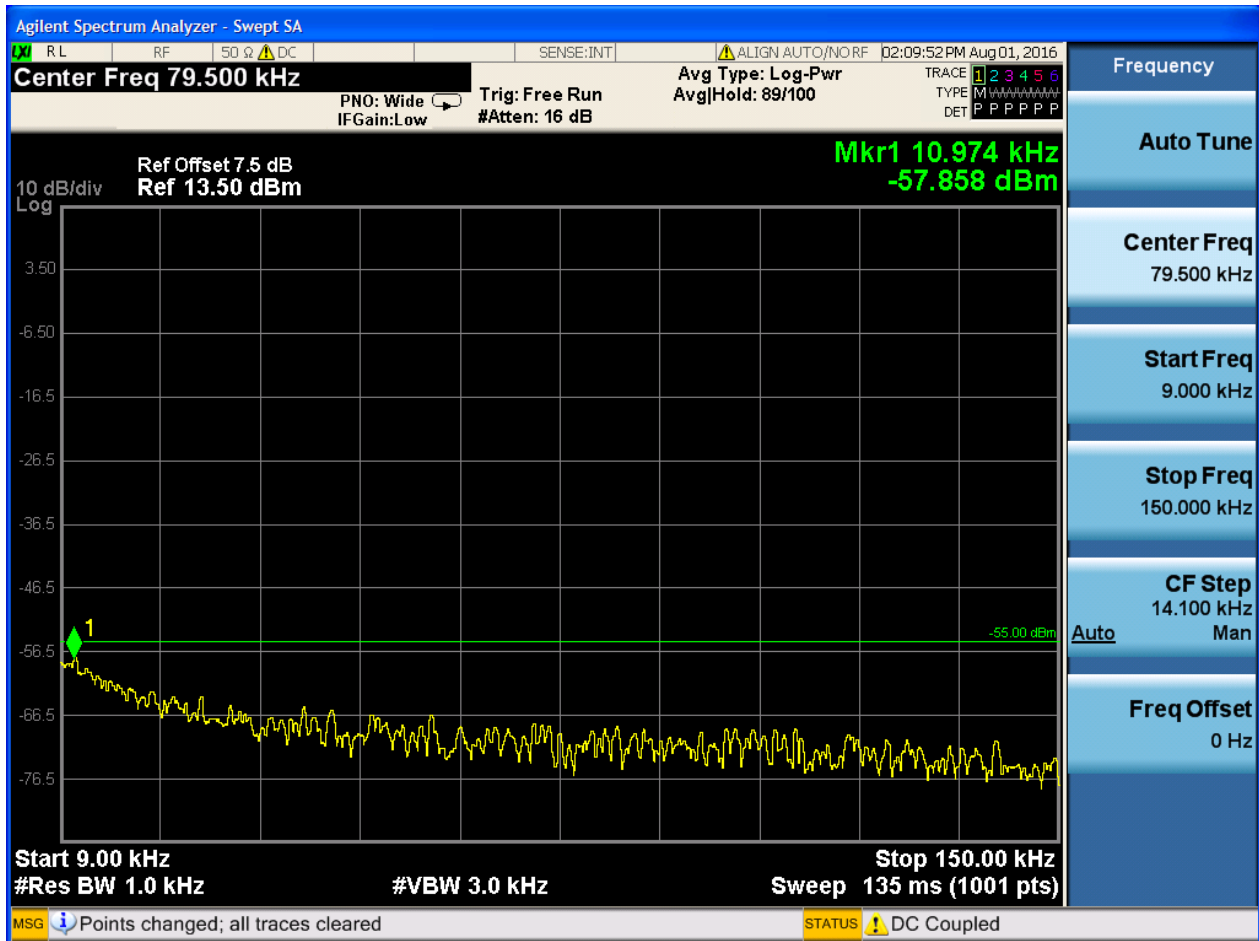


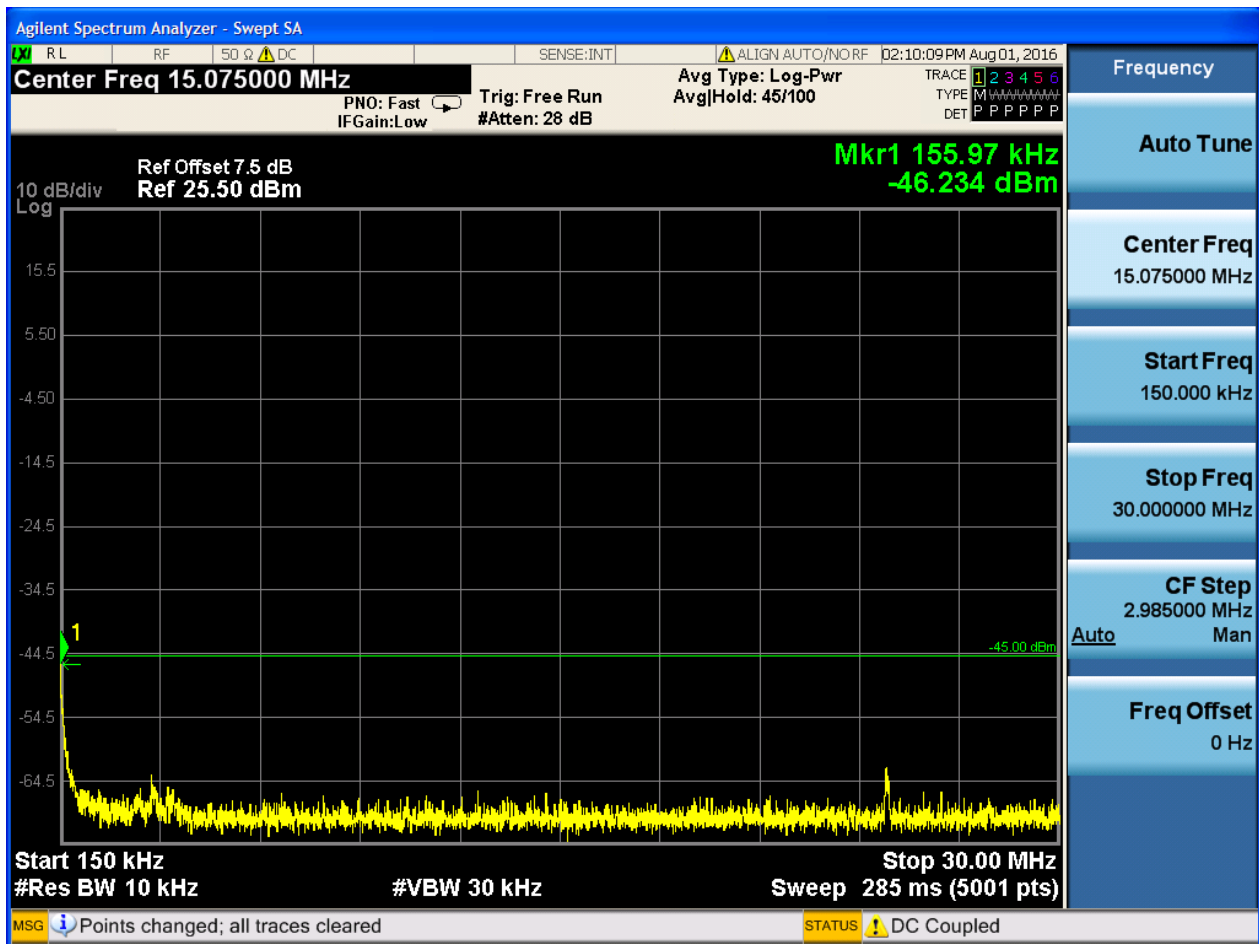


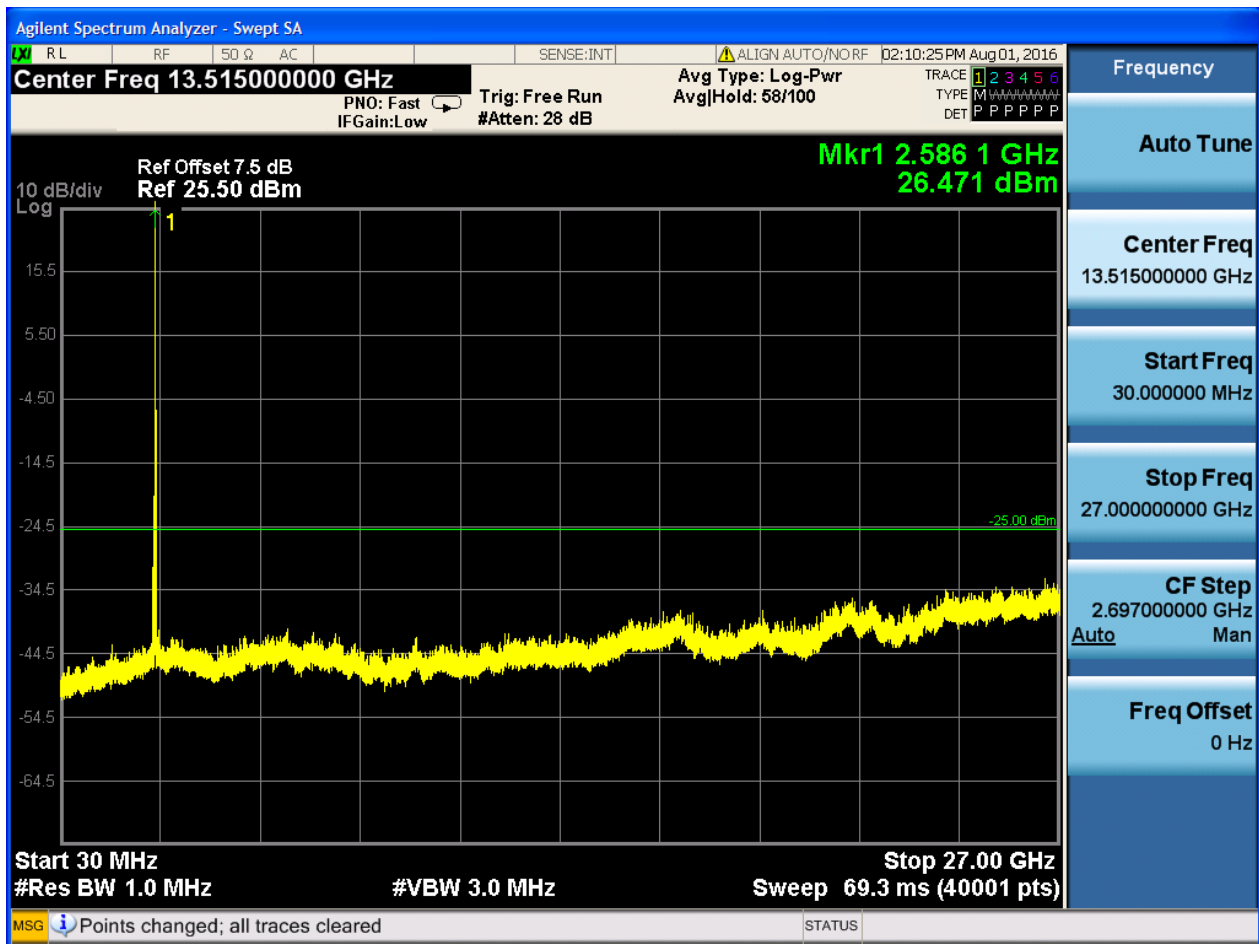


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

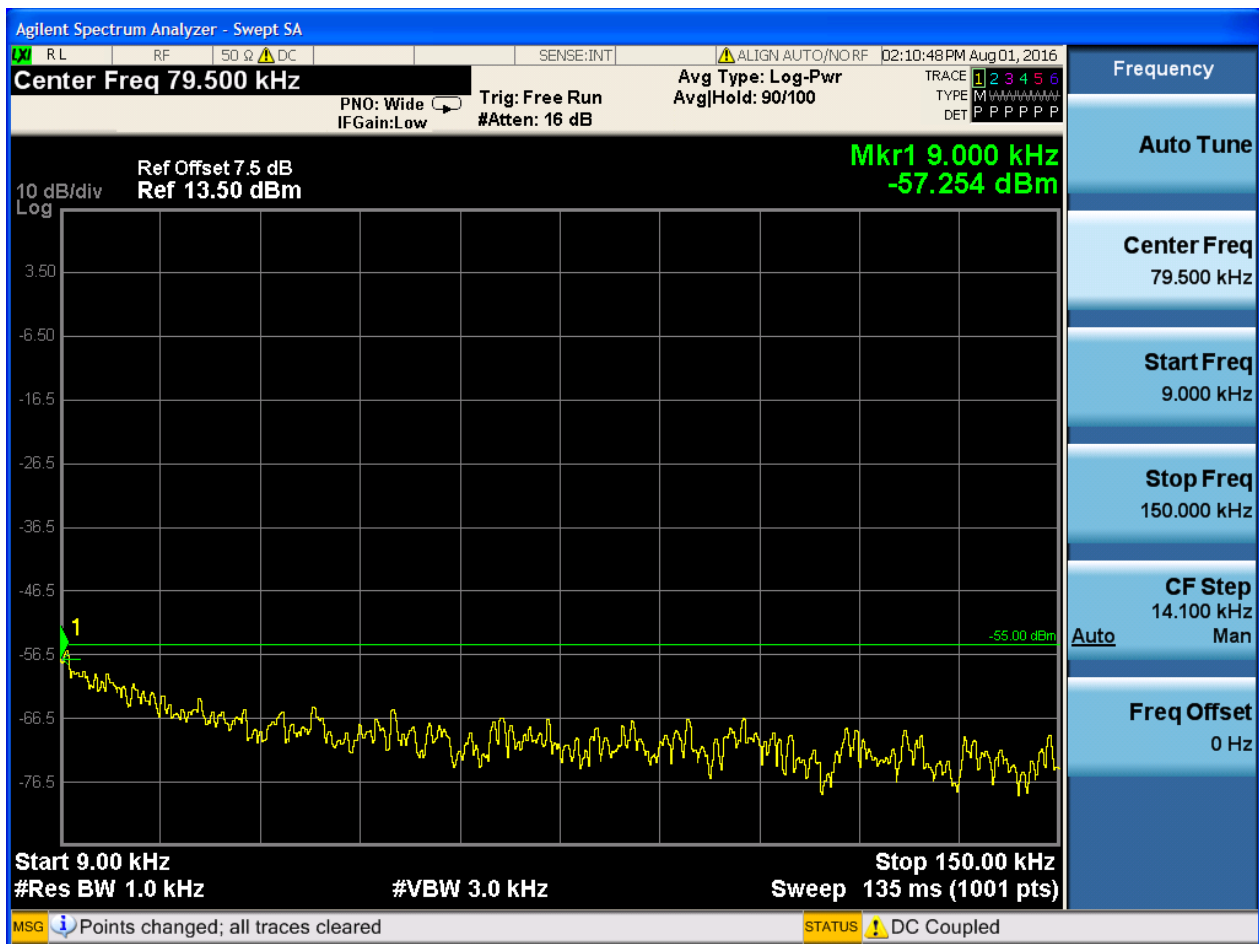


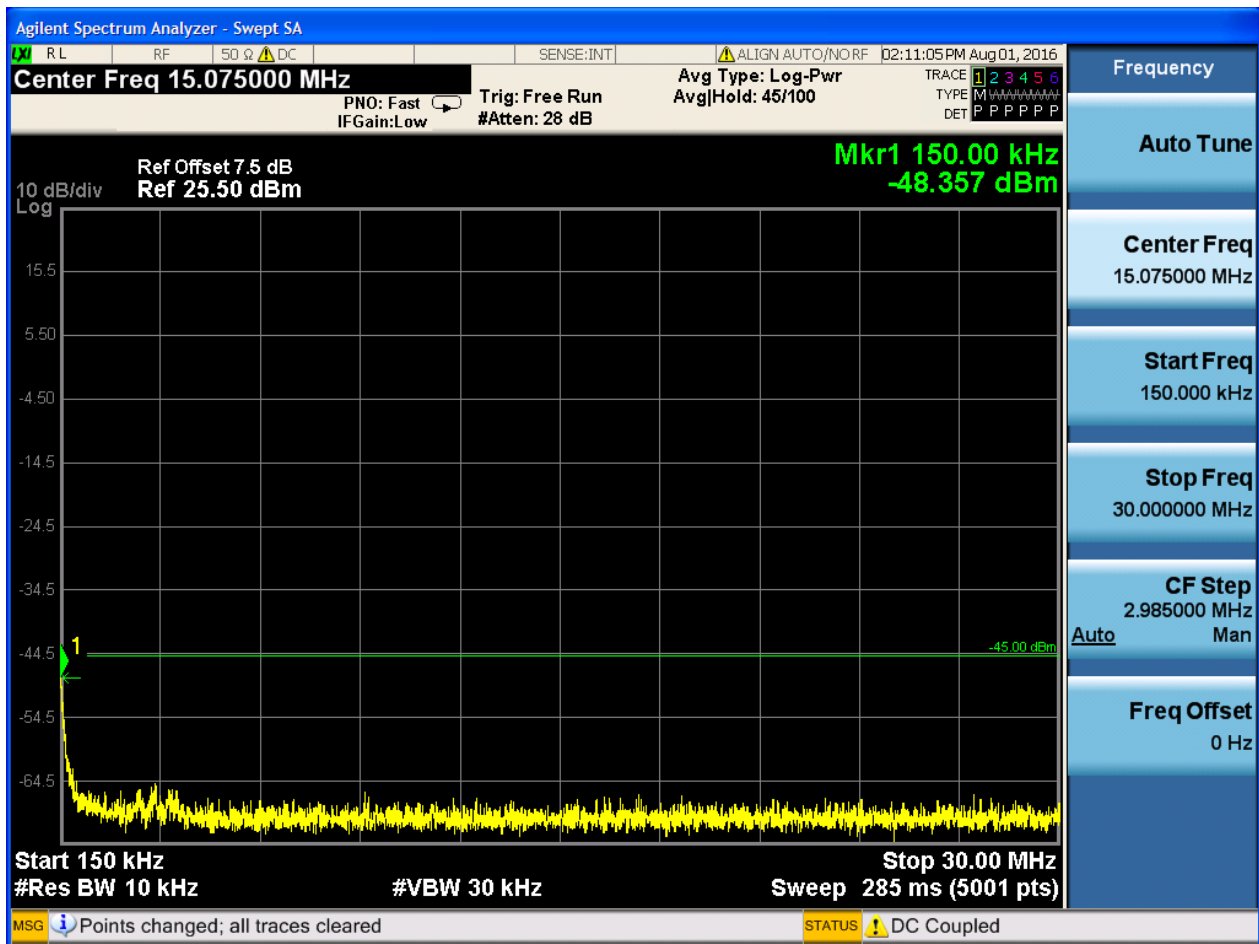


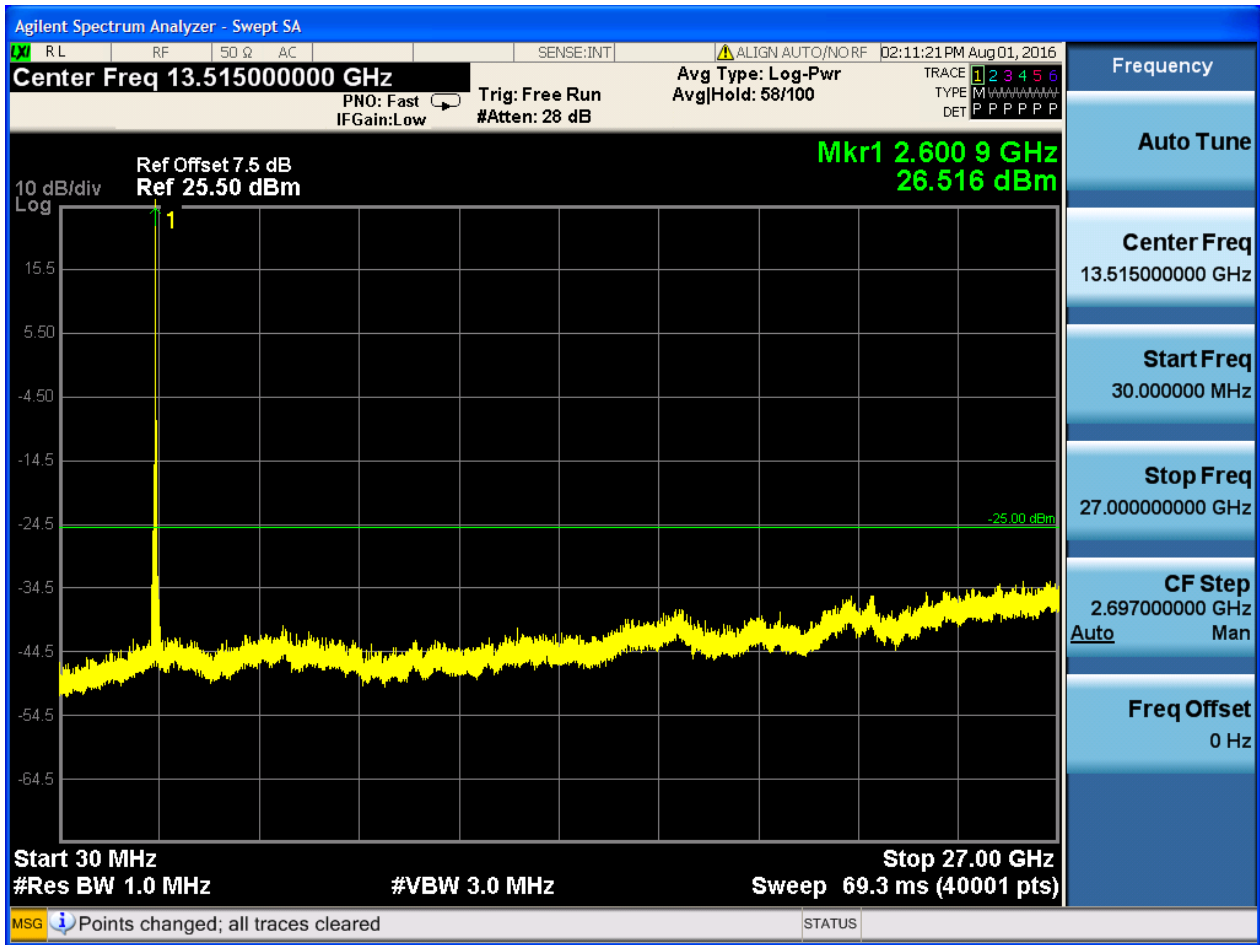


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







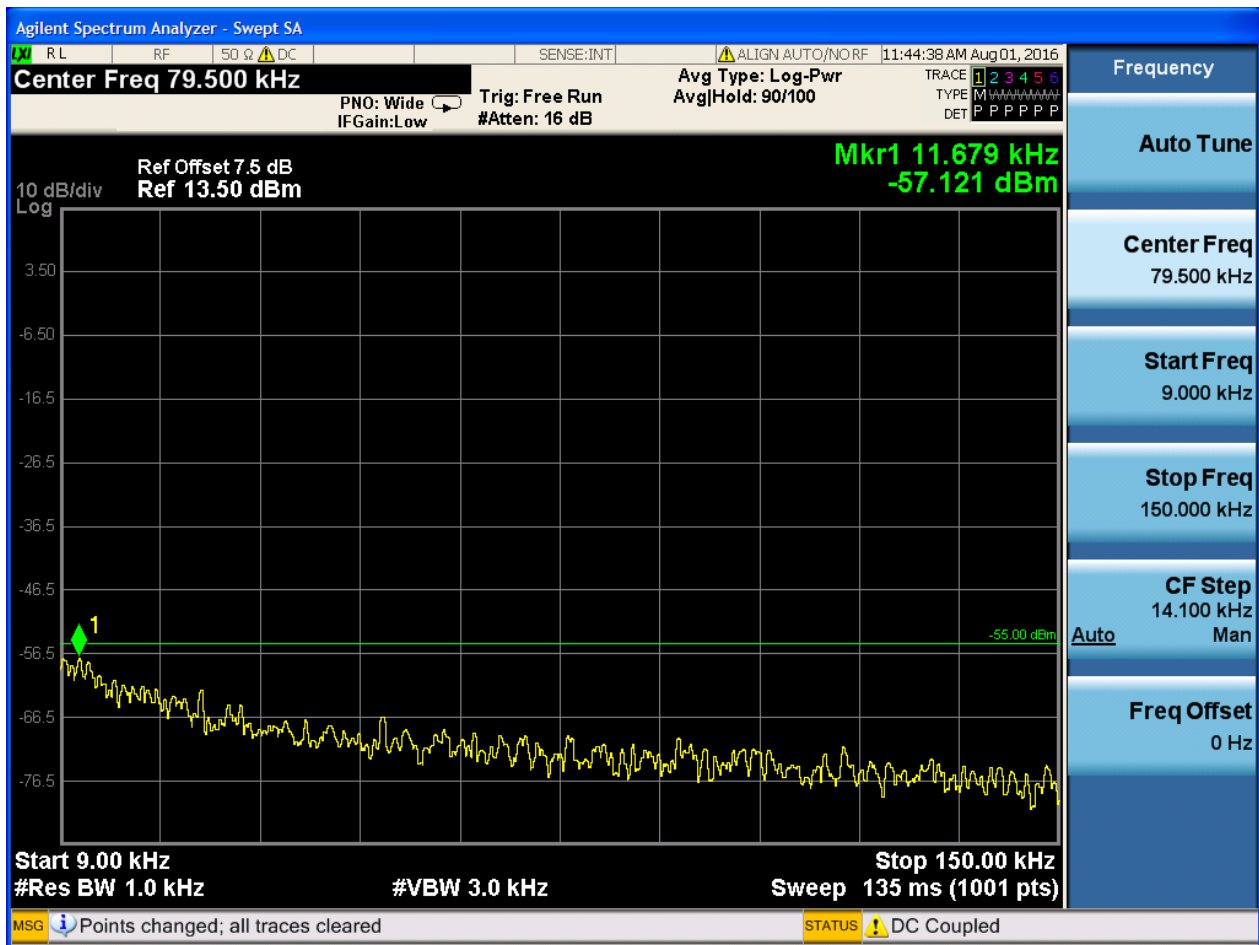


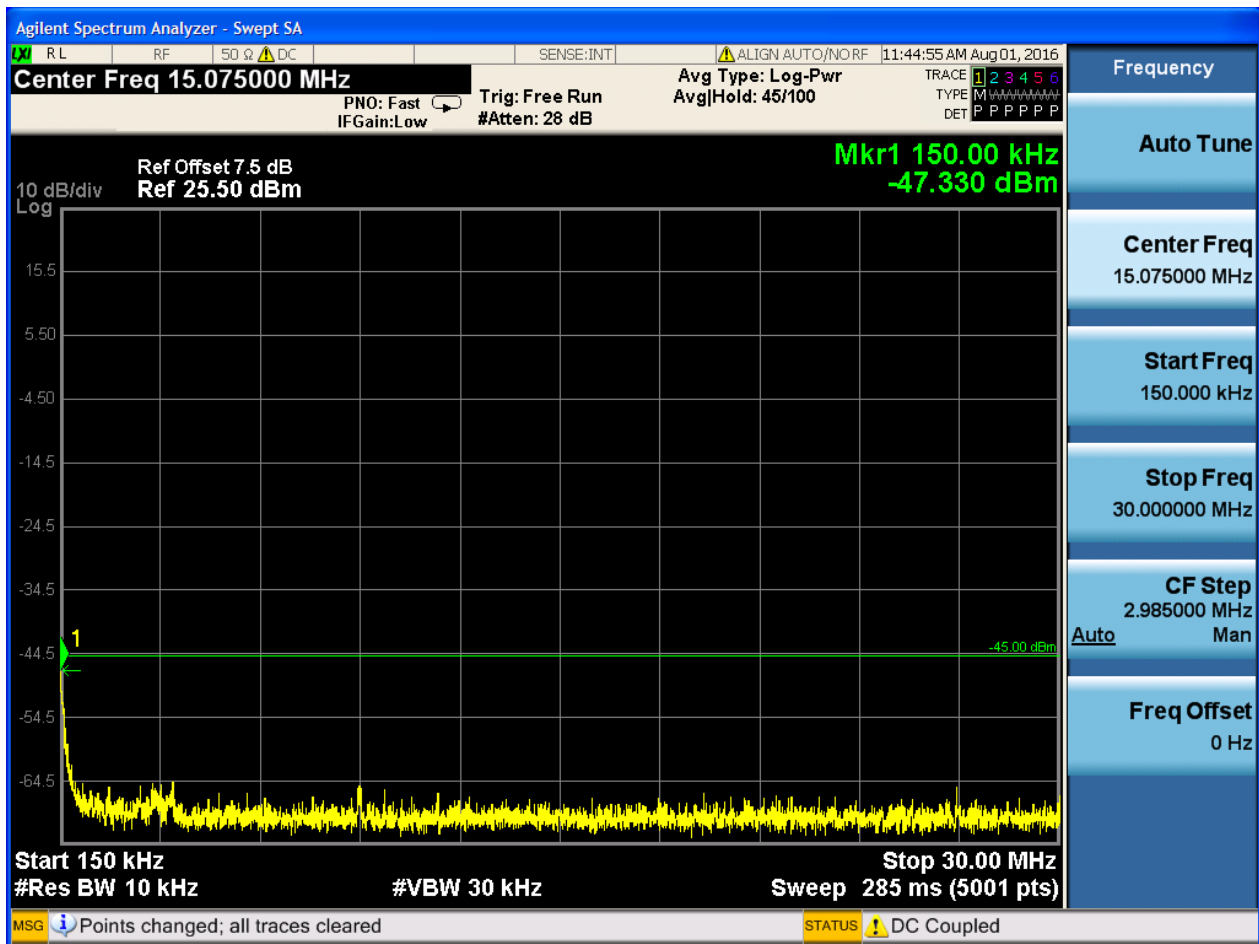
6.1.1.2 Test Mode = LTE/TM2

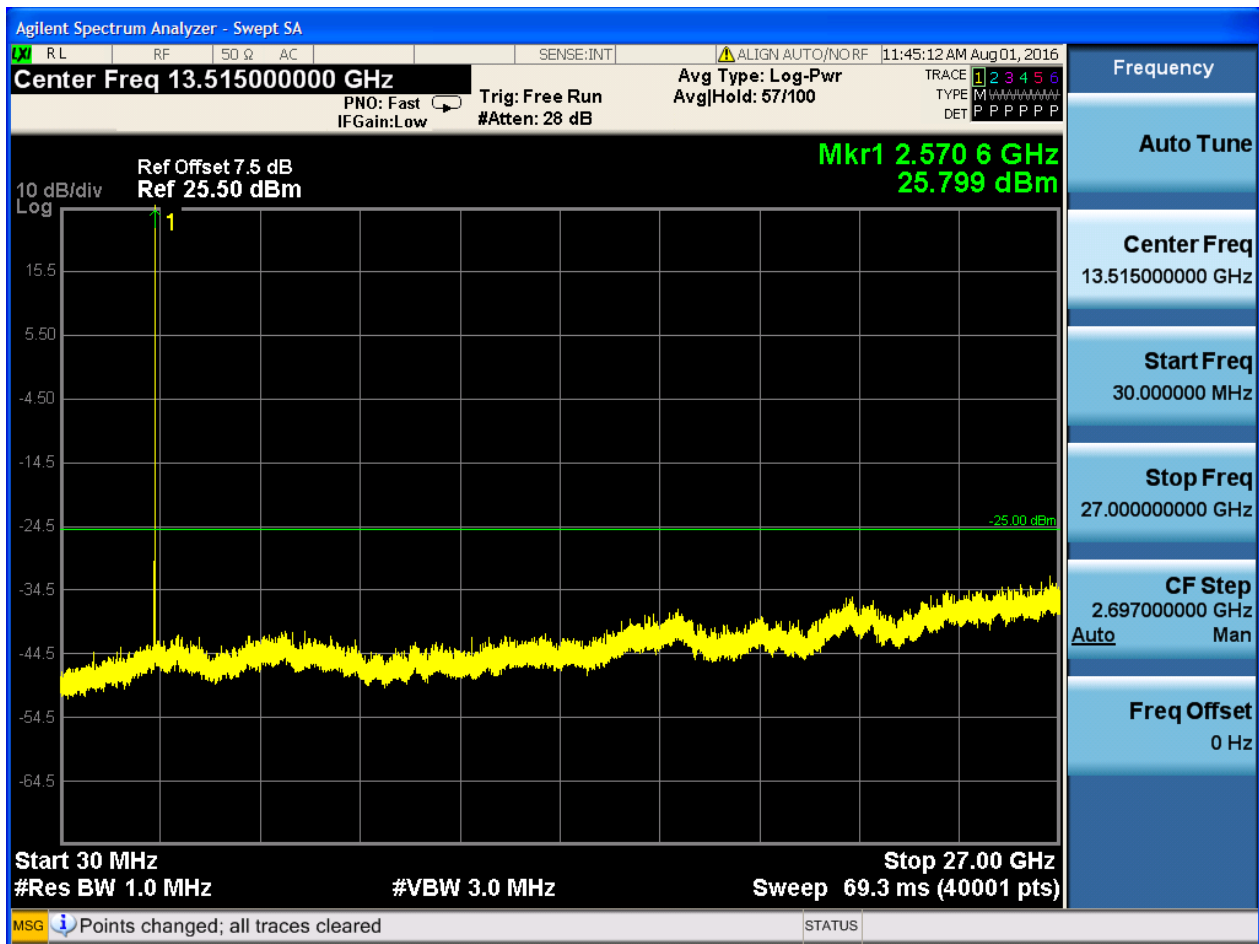
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0

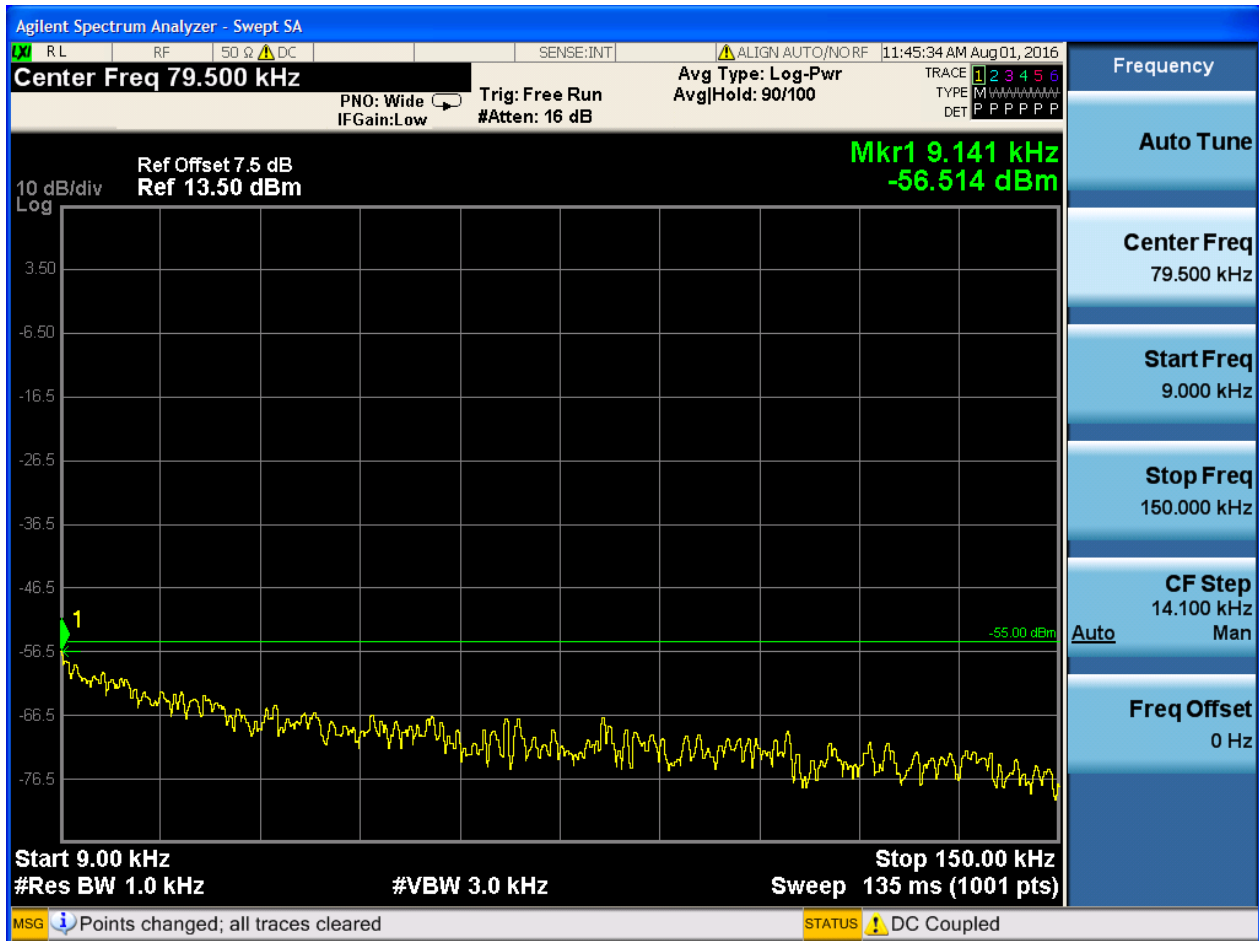




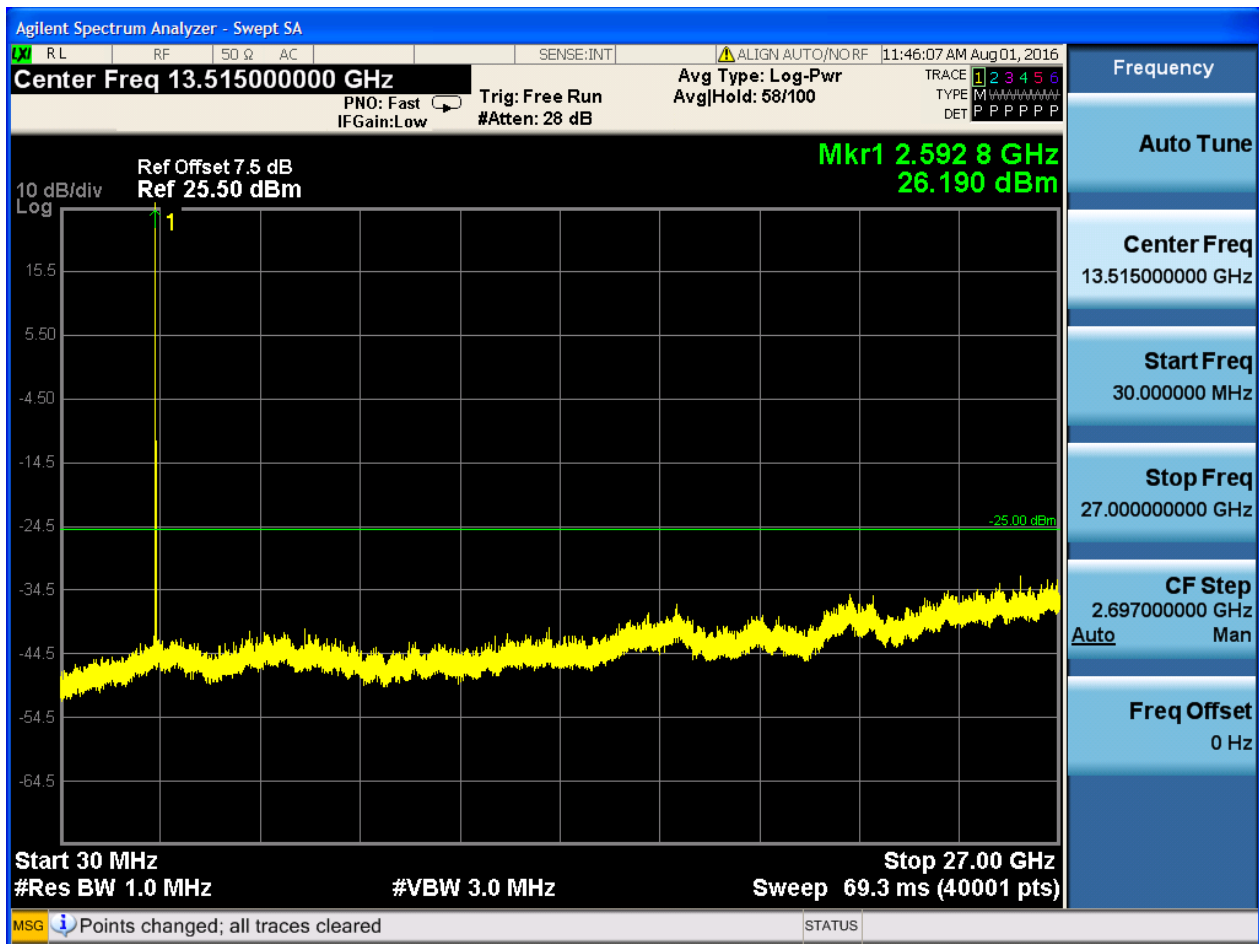


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



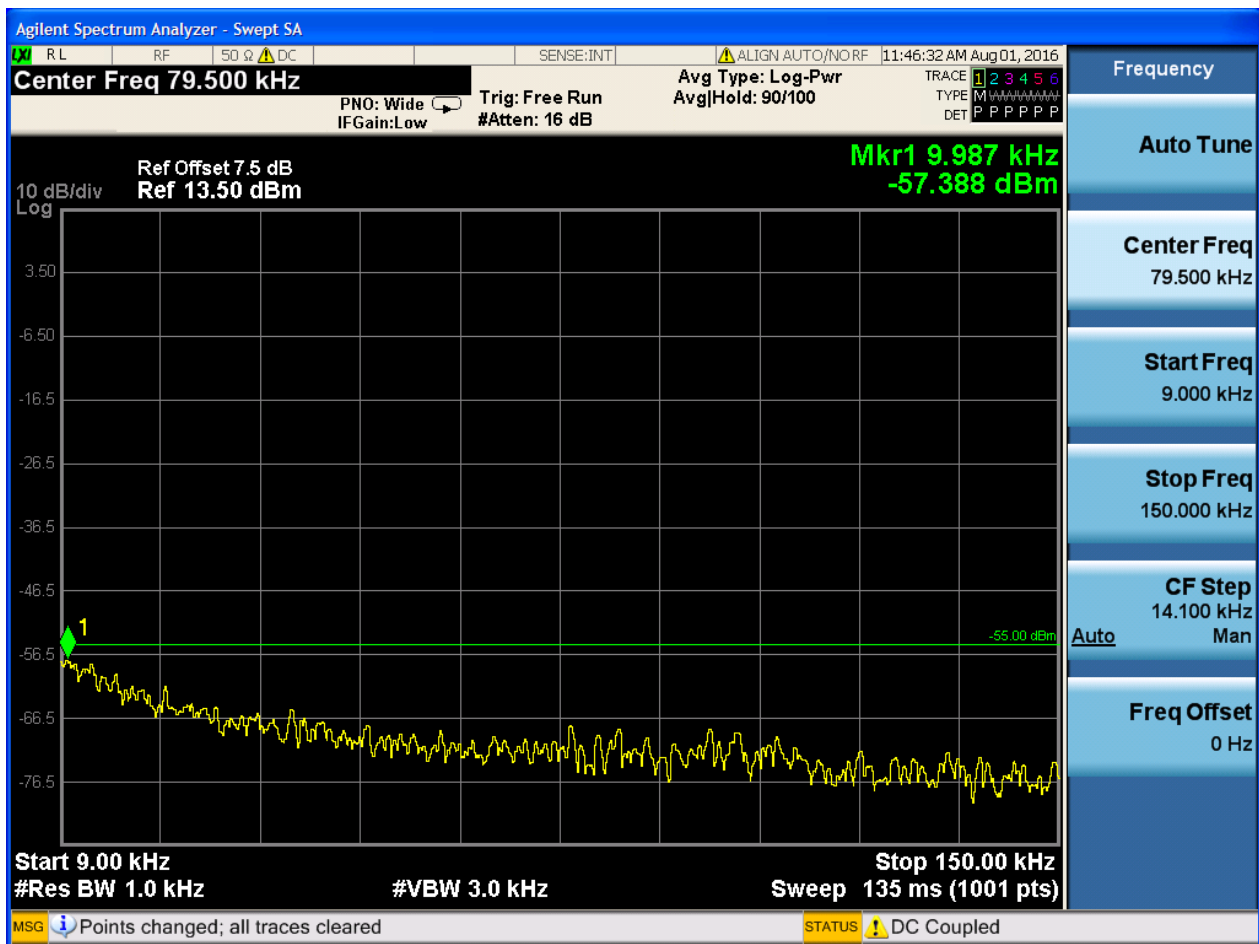




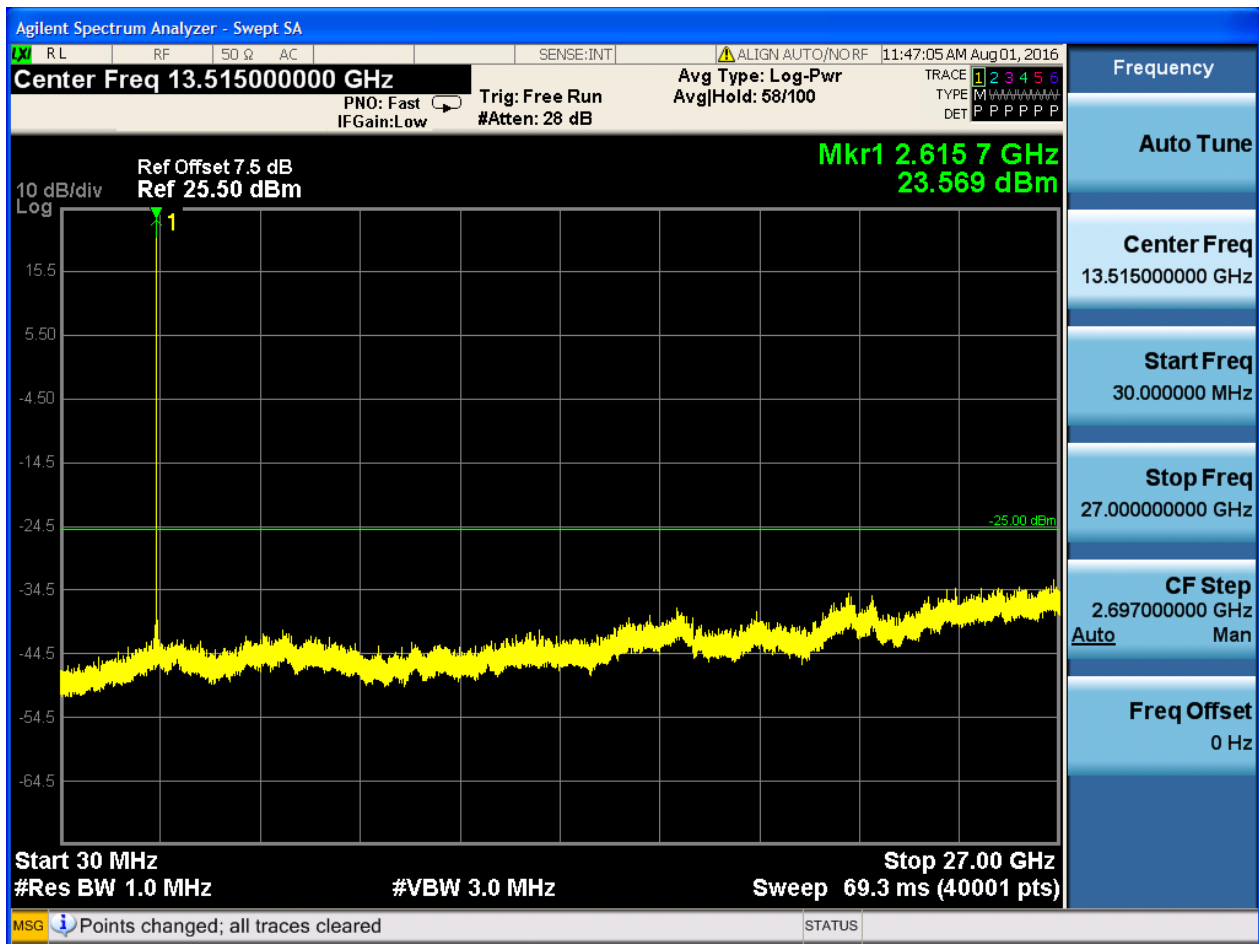


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



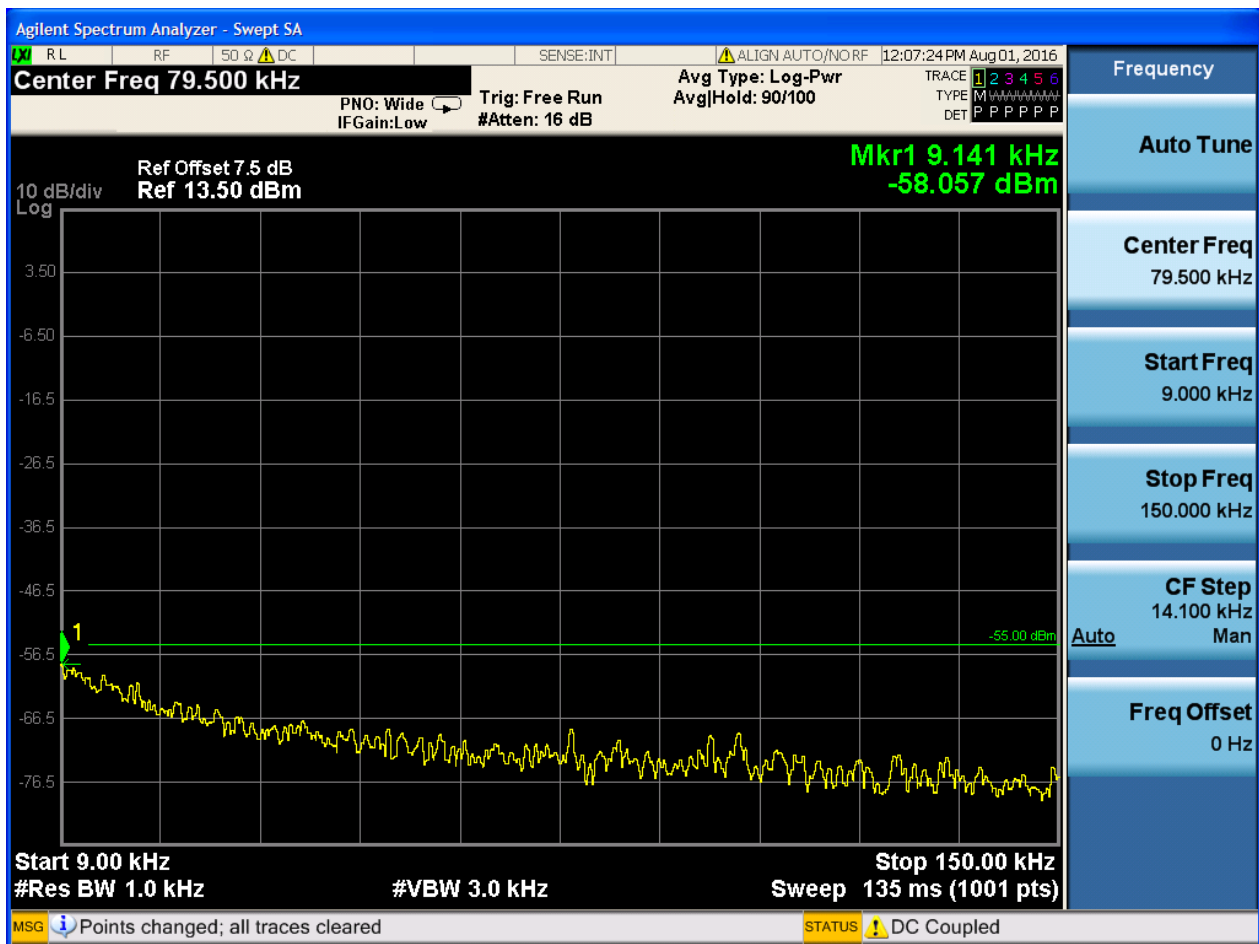


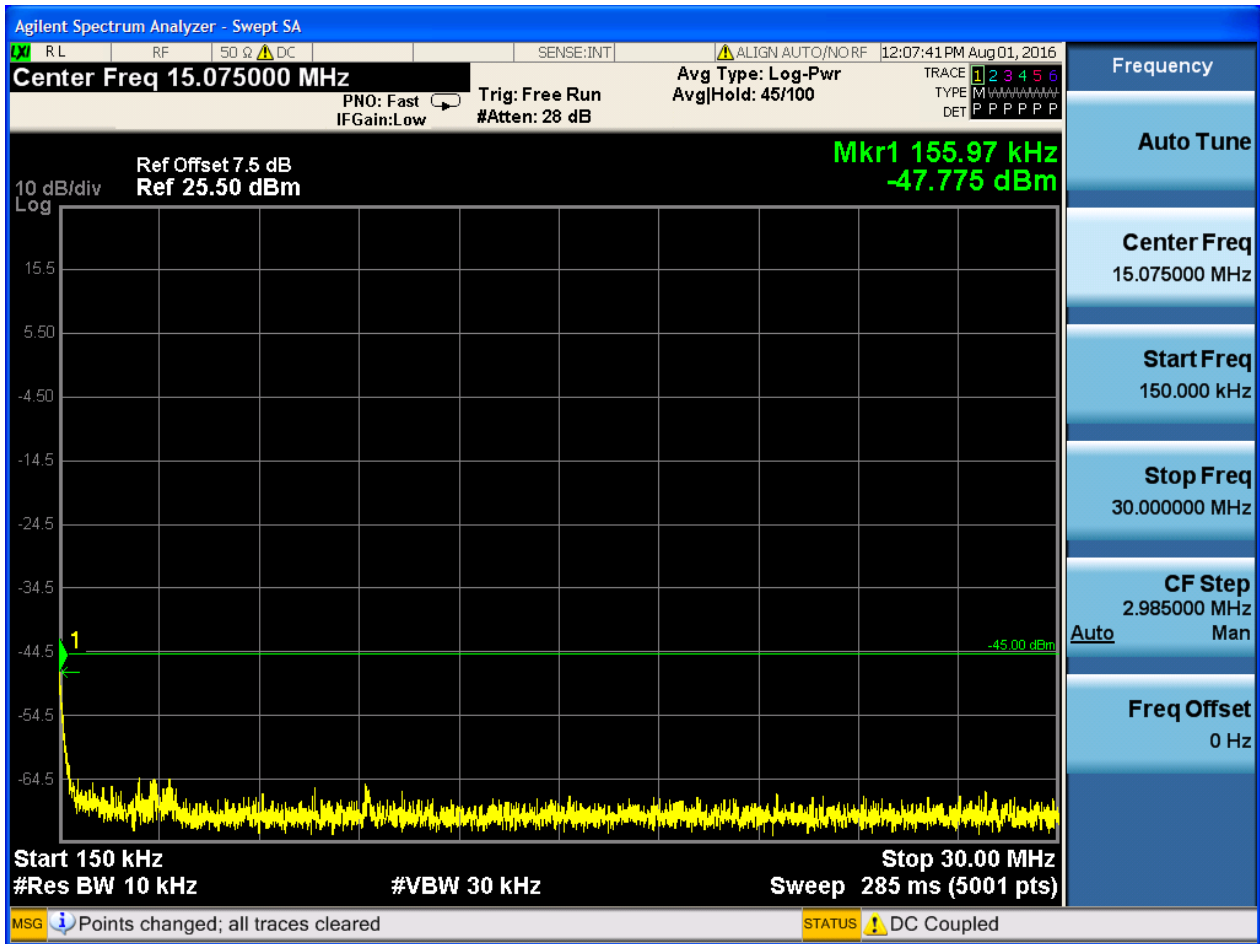


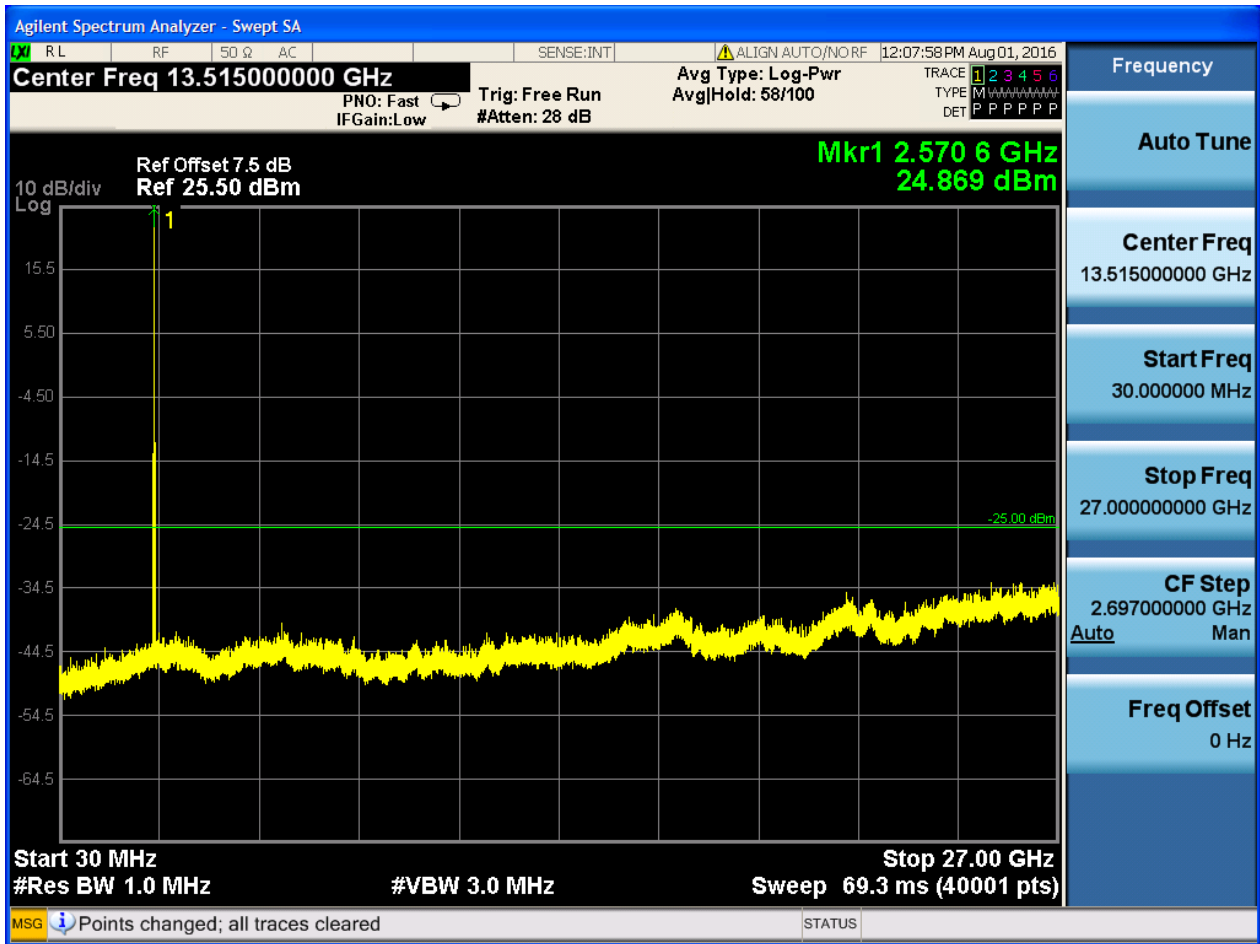
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



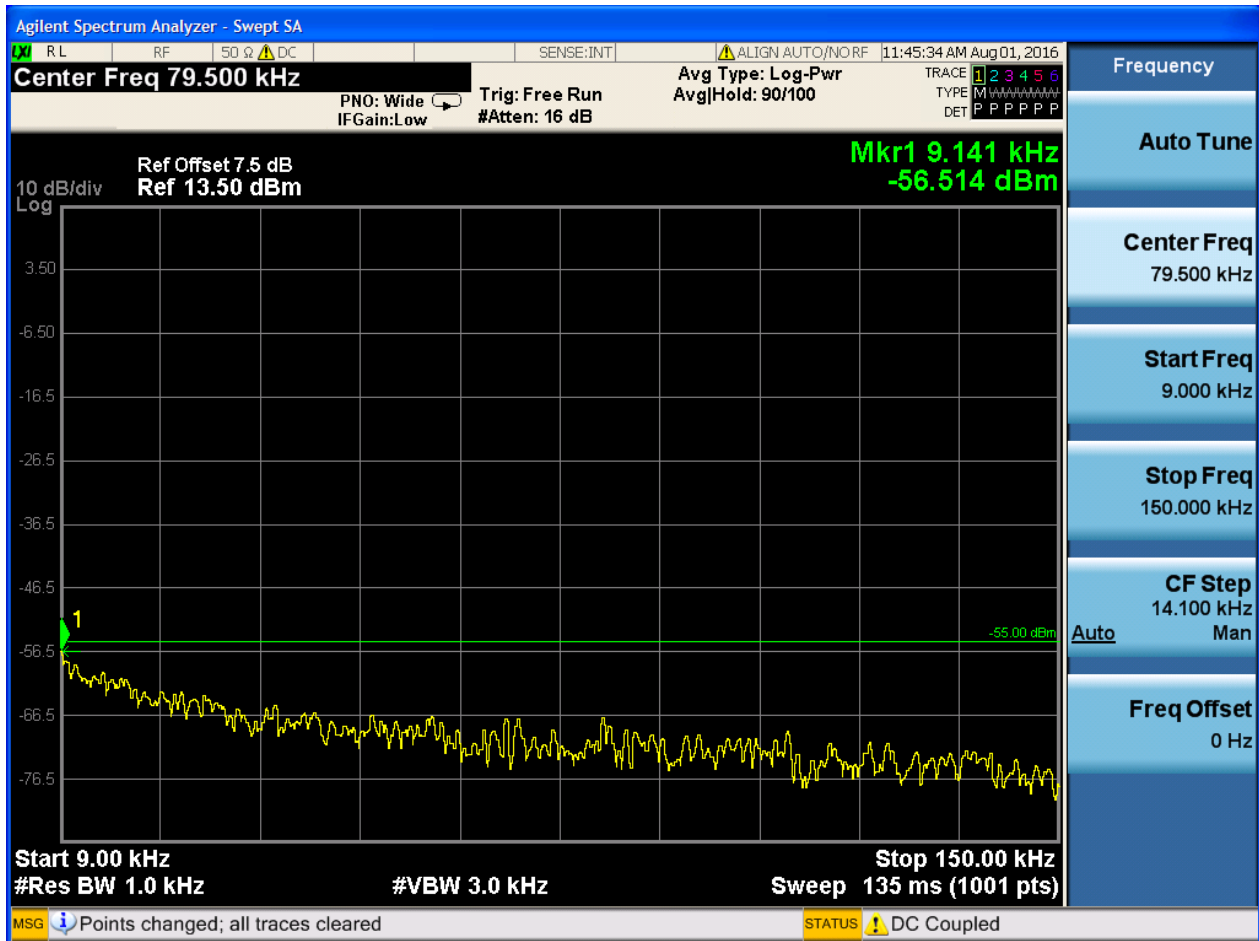


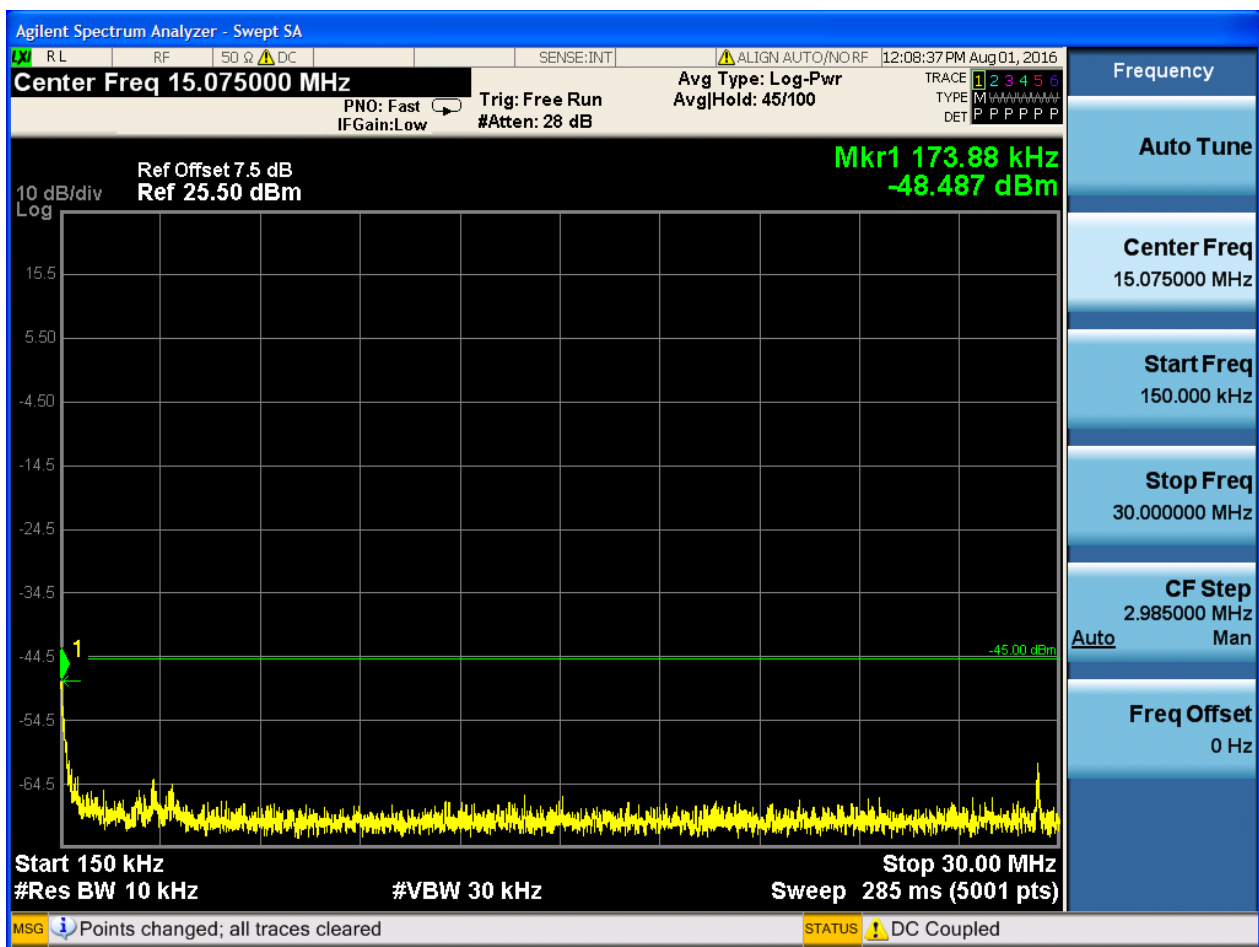


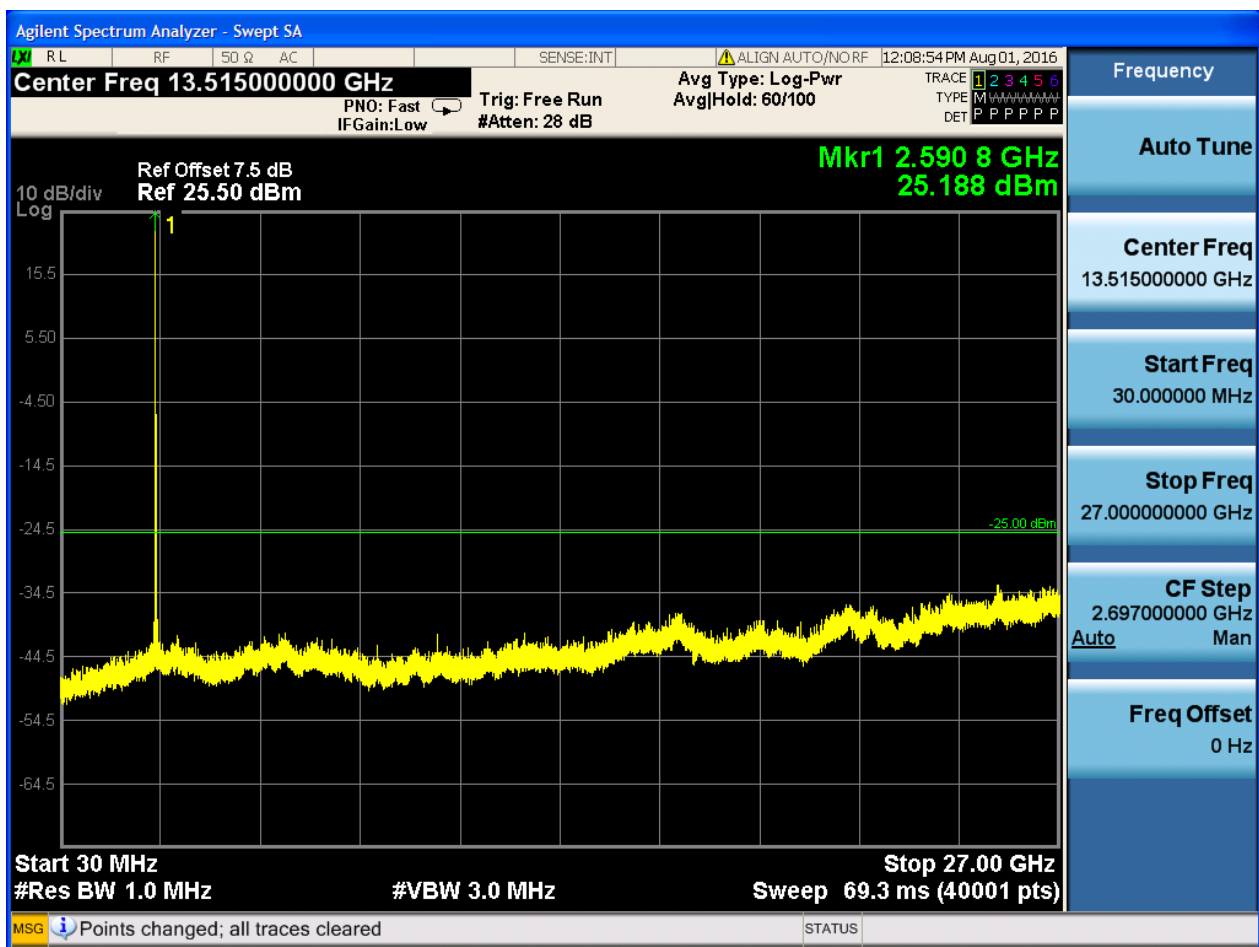


6.1.1.2.2.1 Test Channel = MCH

6.1.1.2.2.1.1 Test RB = RB1#0







6.1.1.2.2.1 Test Channel = HCH

6.1.1.2.2.1.1 Test RB = RB1#0



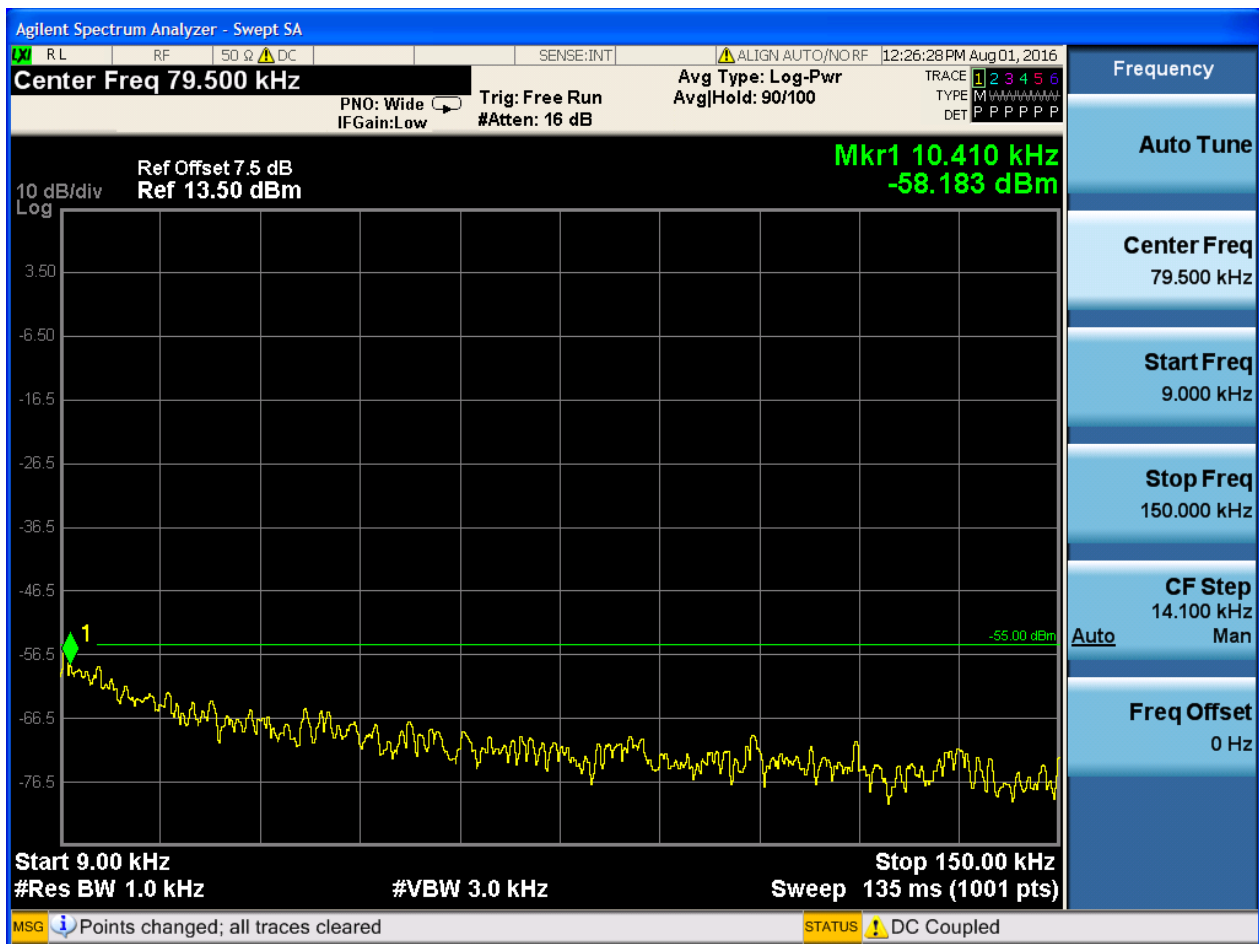


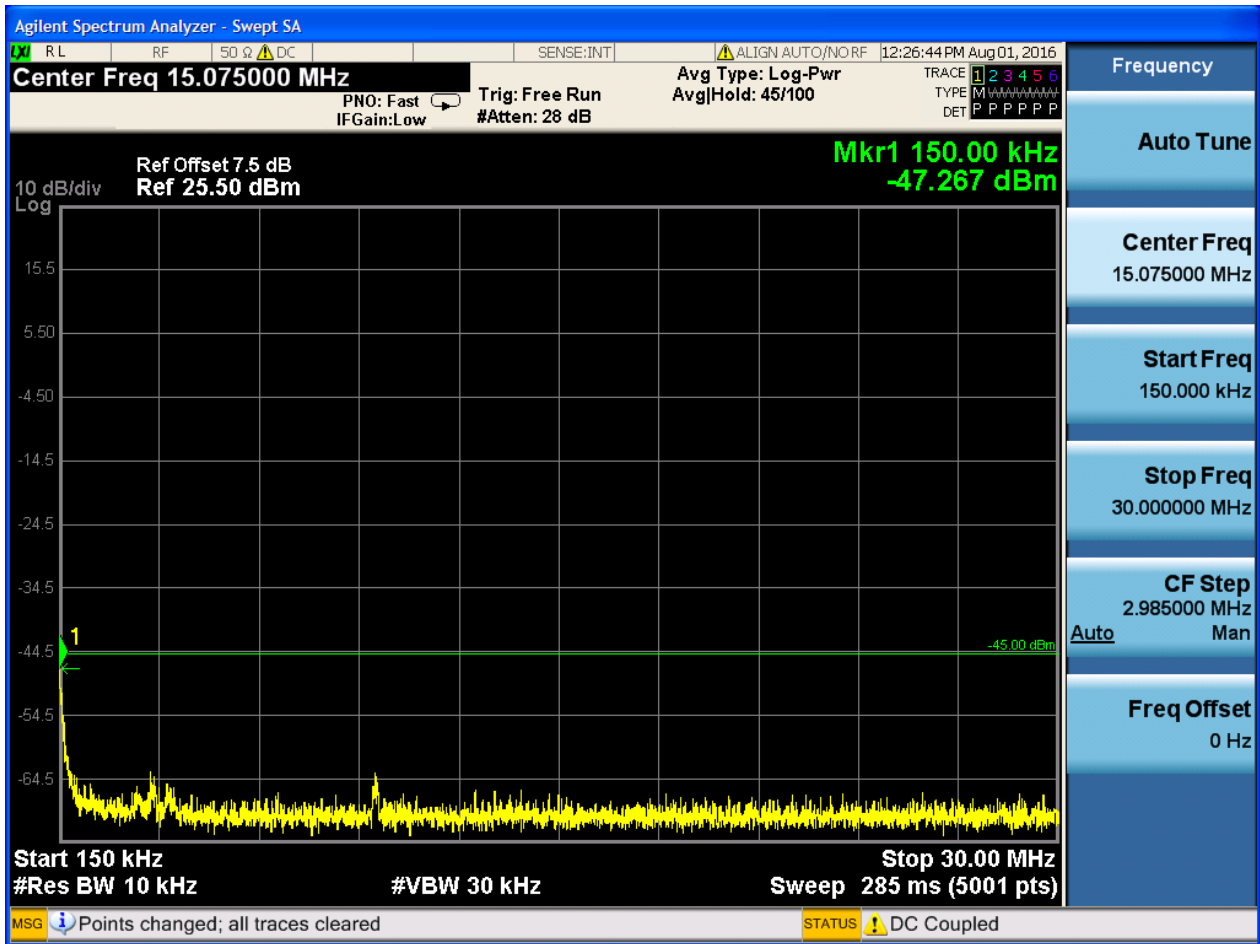


6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

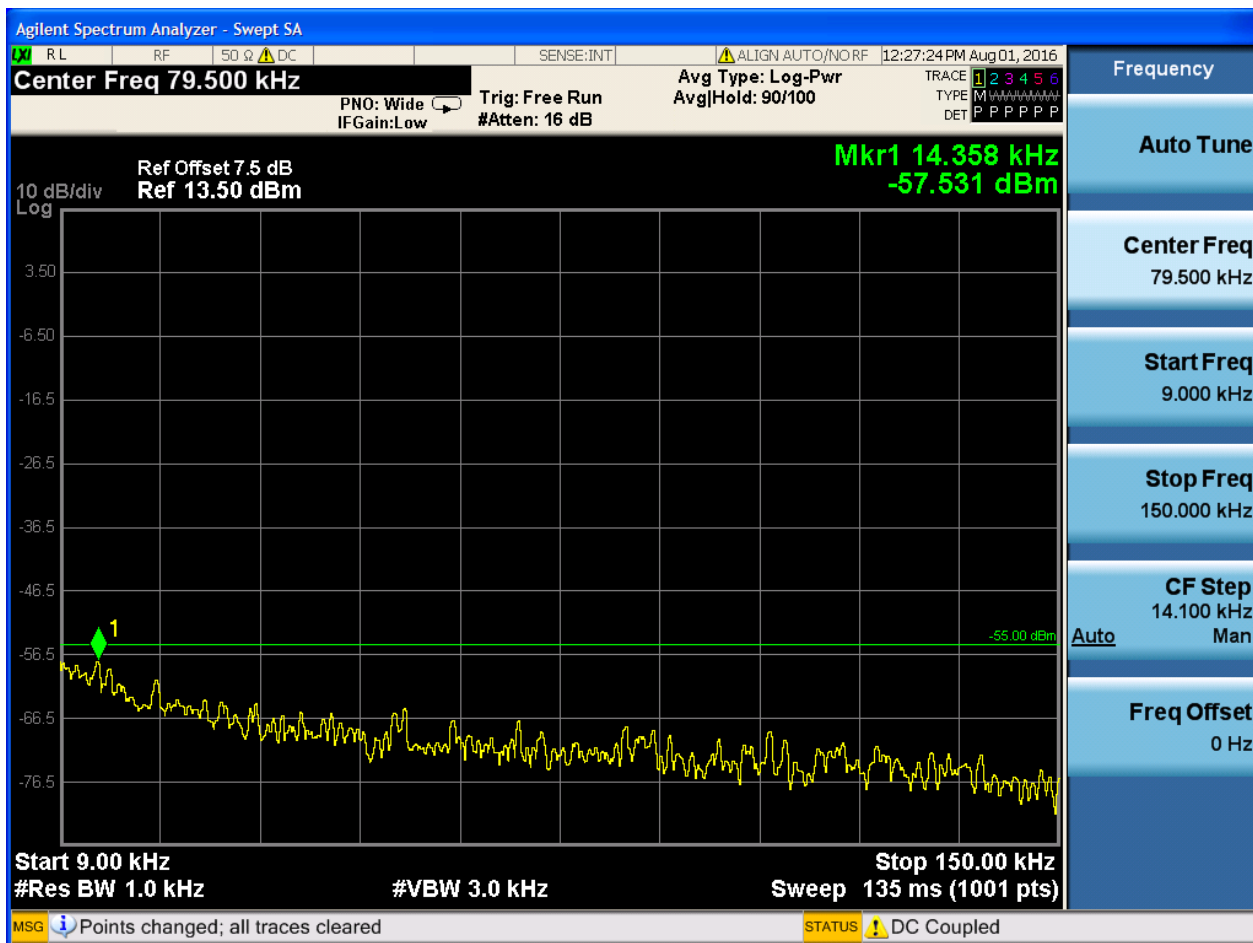


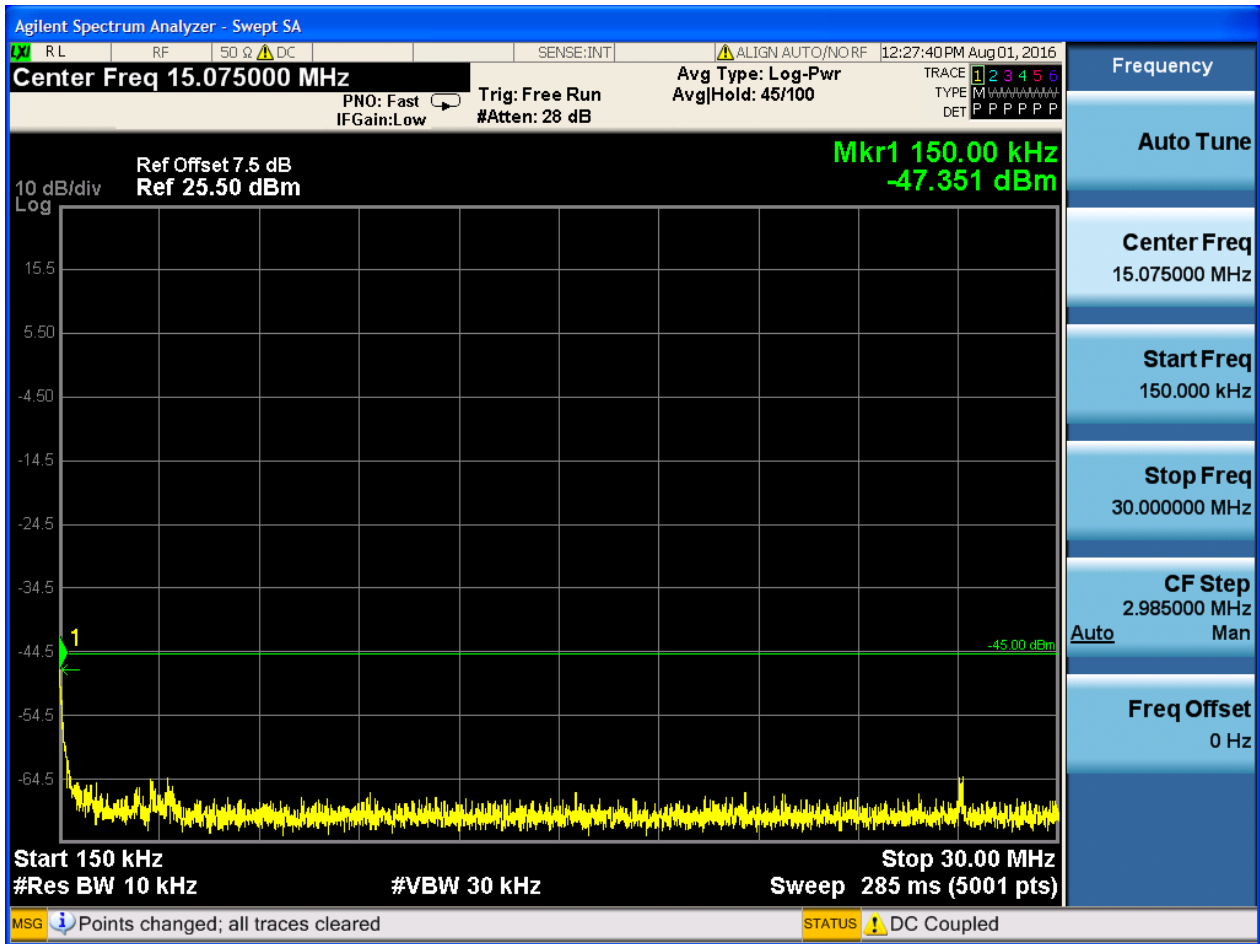




6.1.1.2.3.1 Test Channel = MCH

6.1.1.2.3.1.1 Test RB = RB1#0

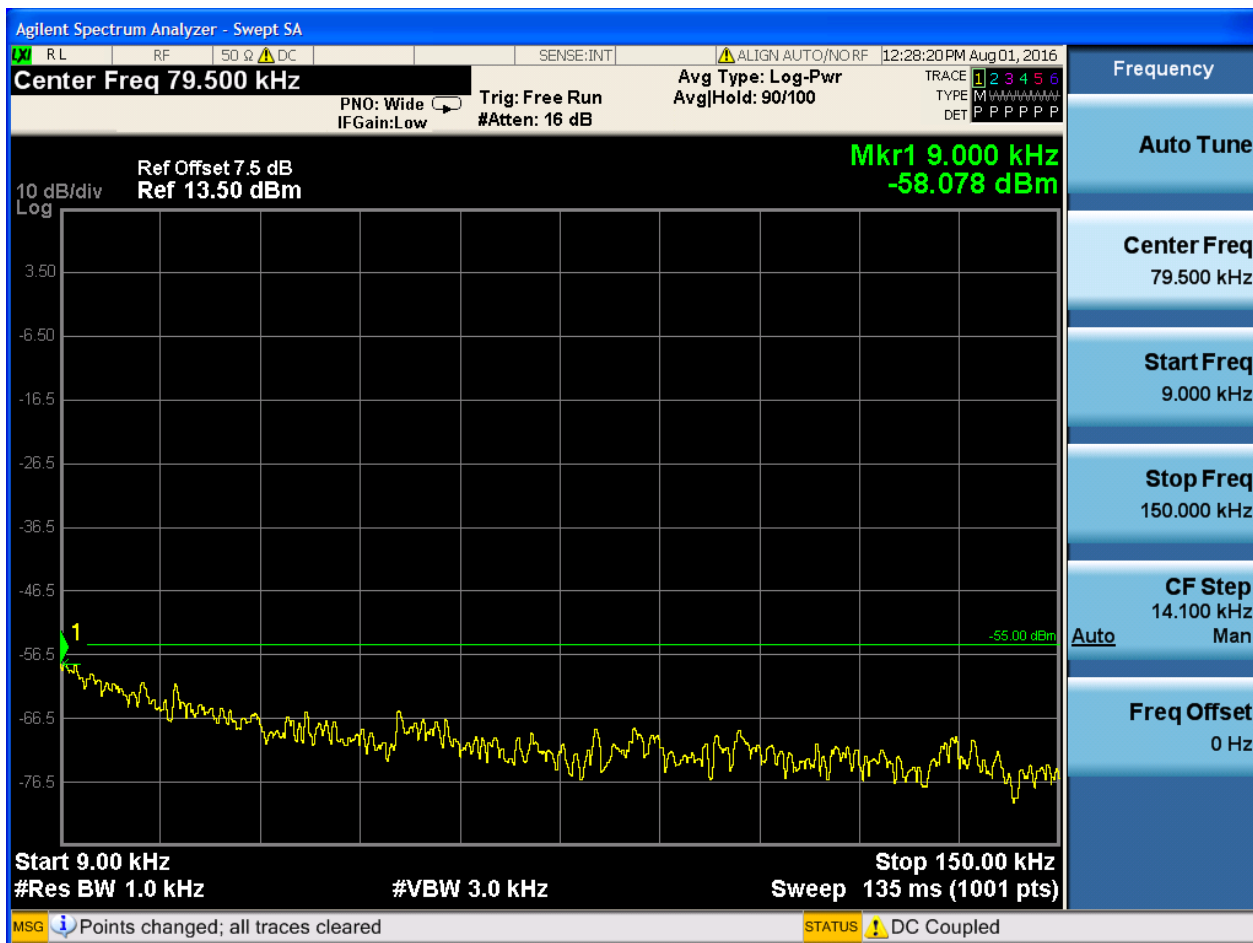


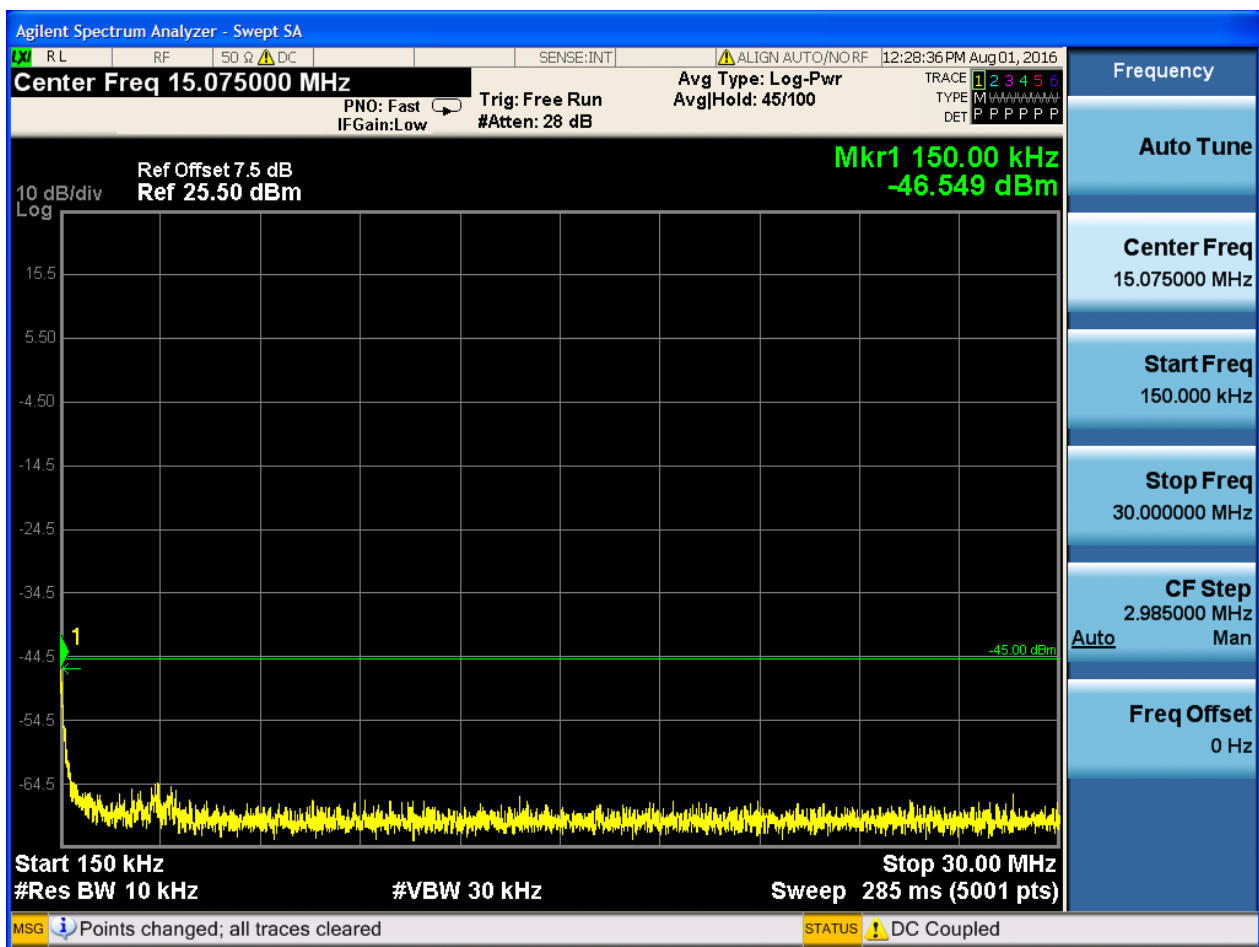




6.1.1.2.3.1 Test Channel = HCH

6.1.1.2.3.1.1 Test RB = RB1#0



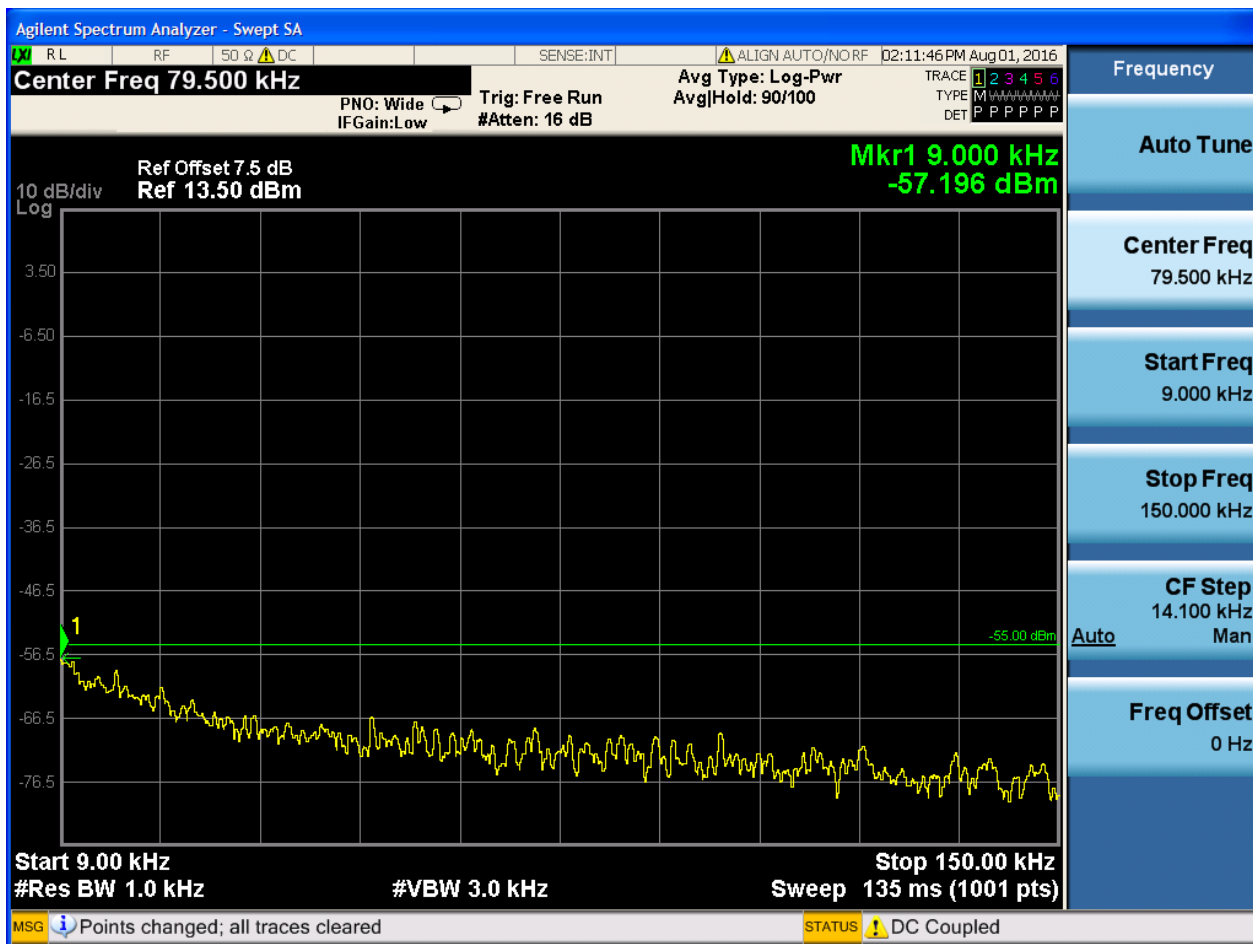


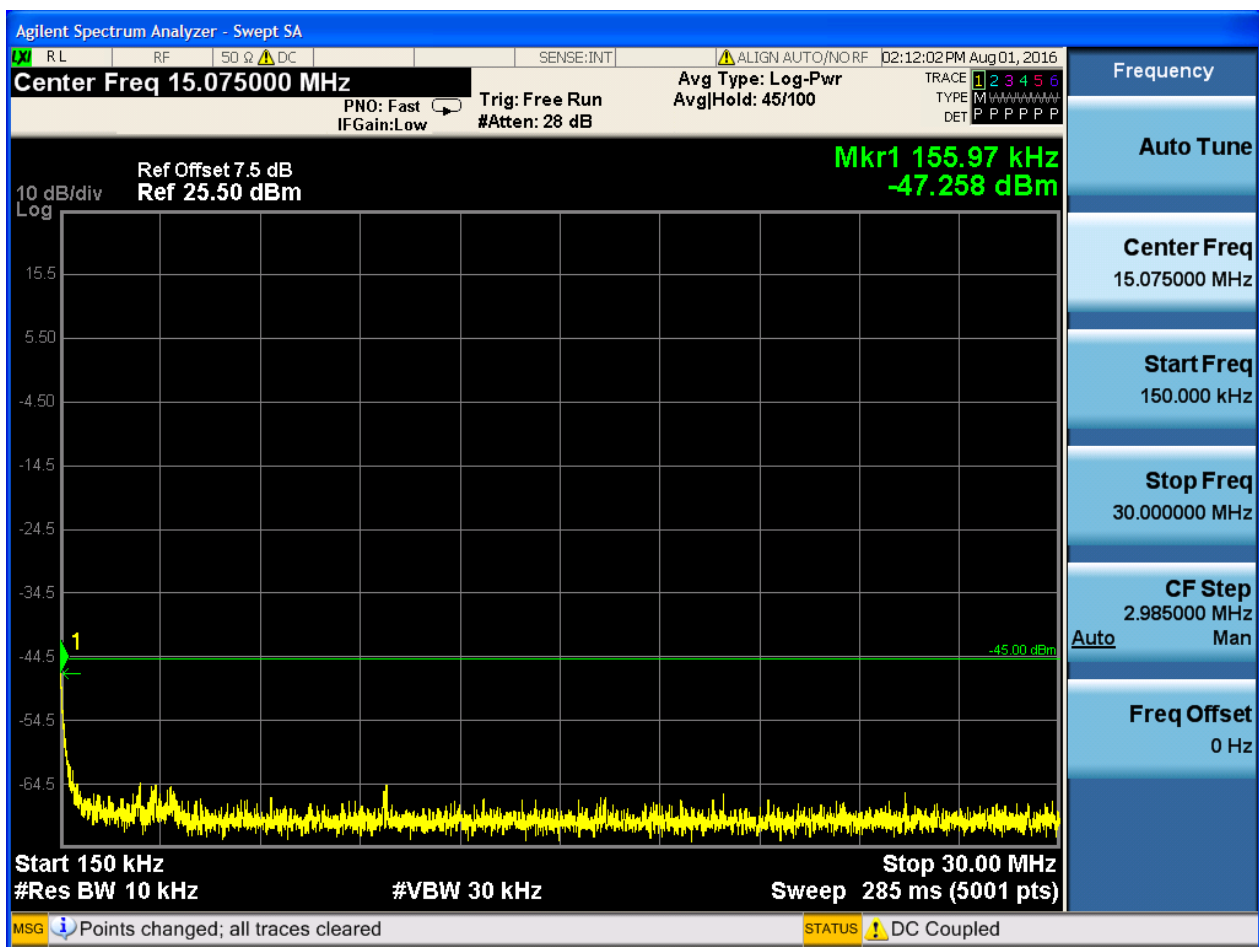


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



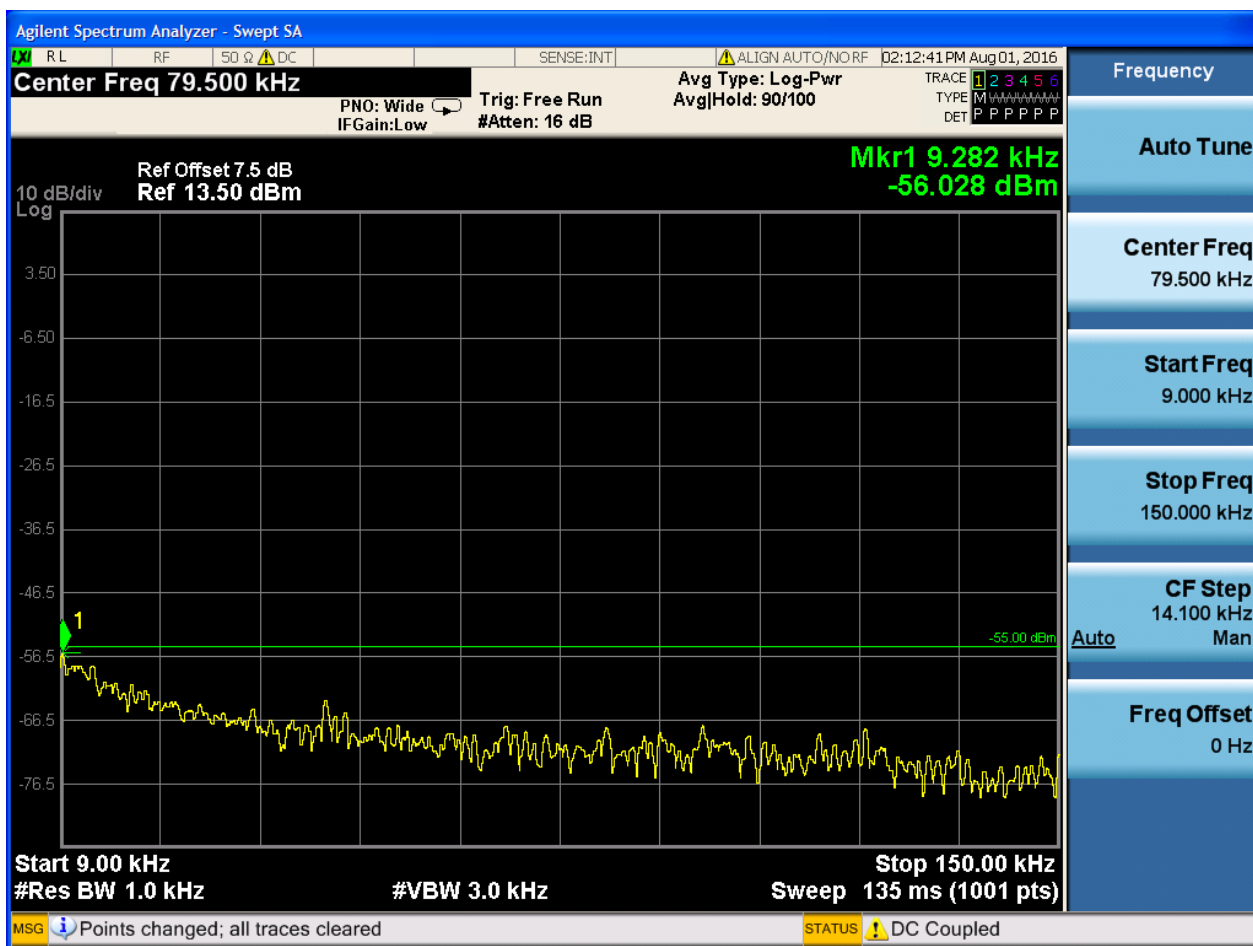


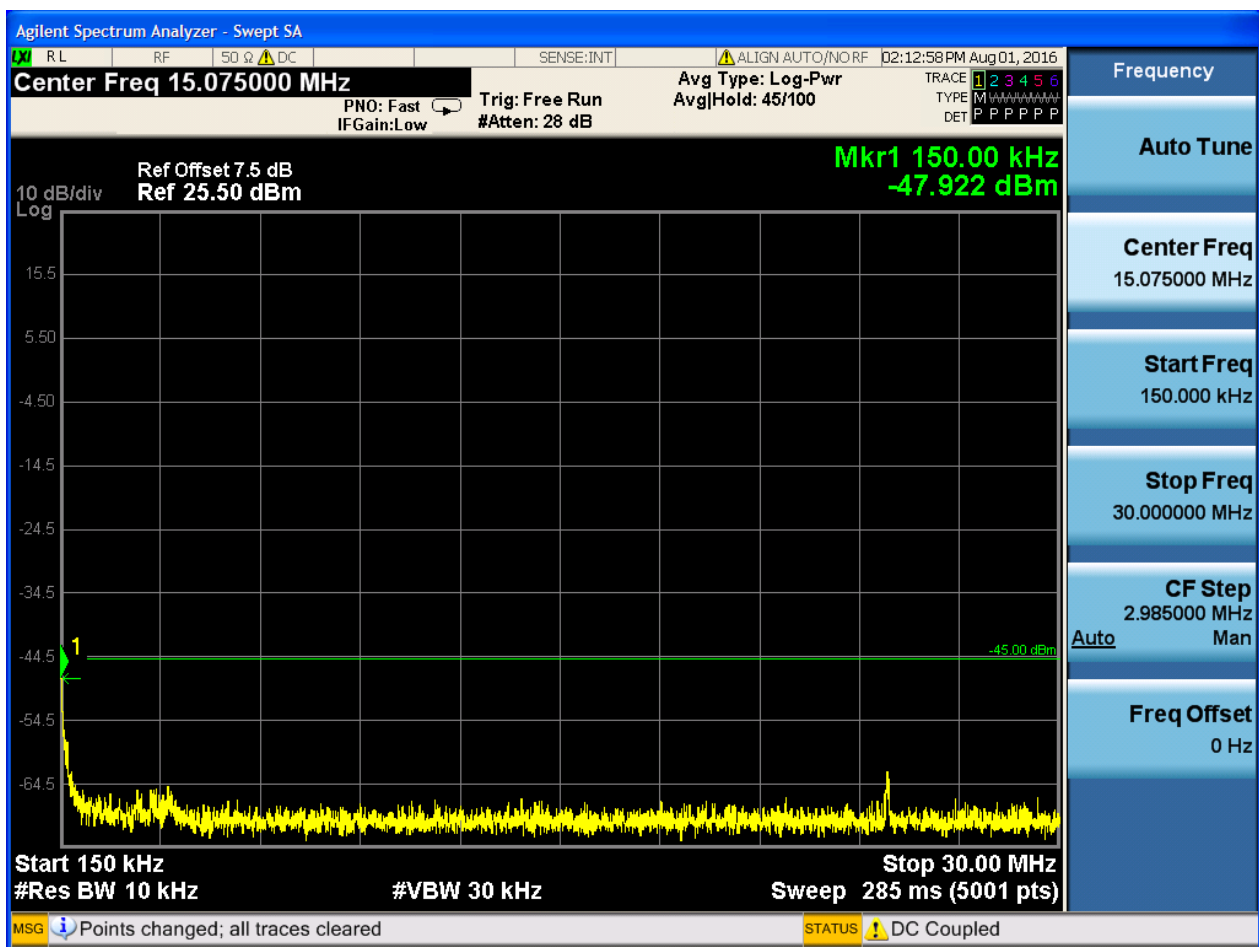




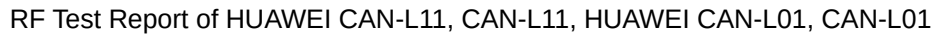
6.1.1.2.4.1 Test Channel = MCH

6.1.1.2.4.1.1 Test RB = RB1#0

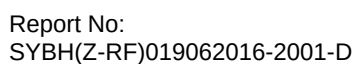








6.1.1.2.4.1.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

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

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

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

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

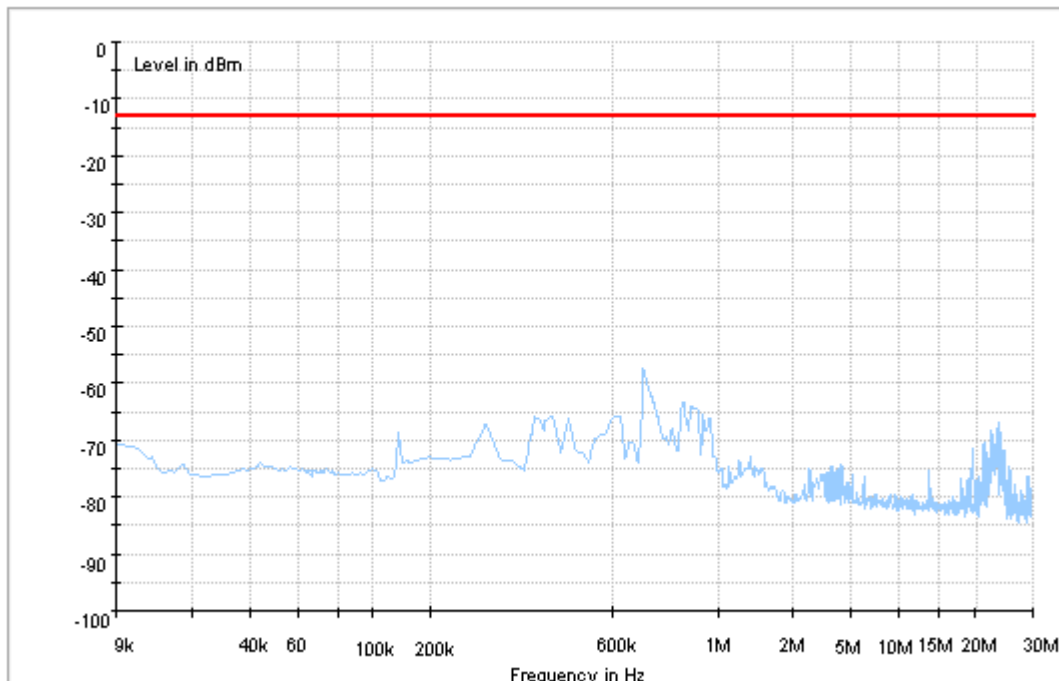
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

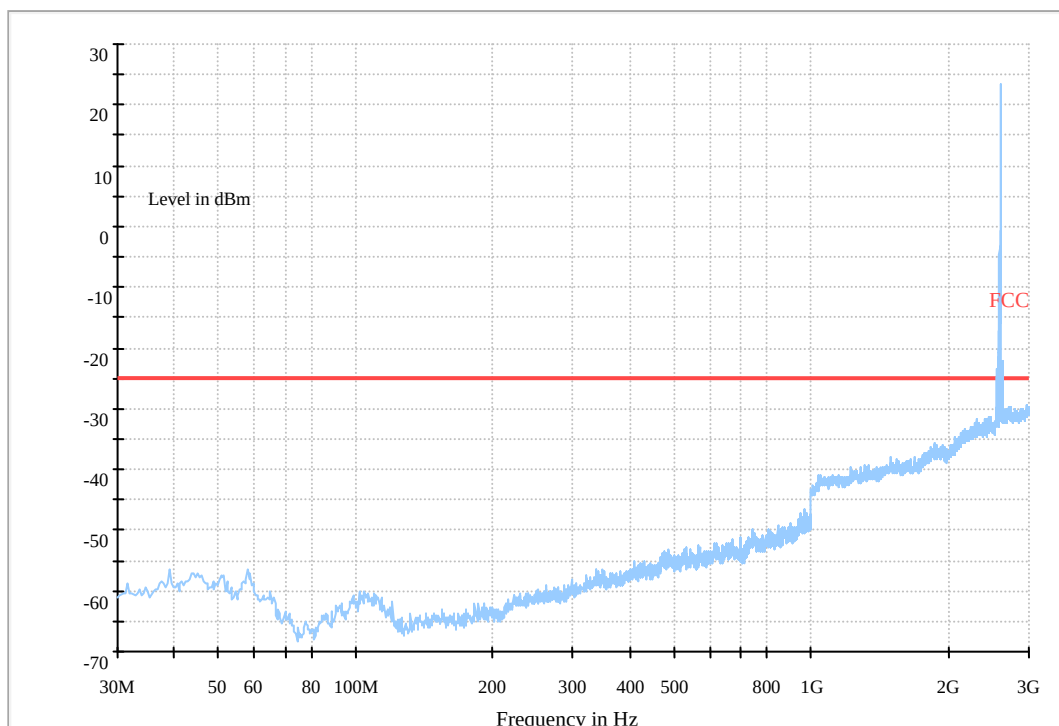
7.1 For LTE

7.1.1 Test Band = BAND38

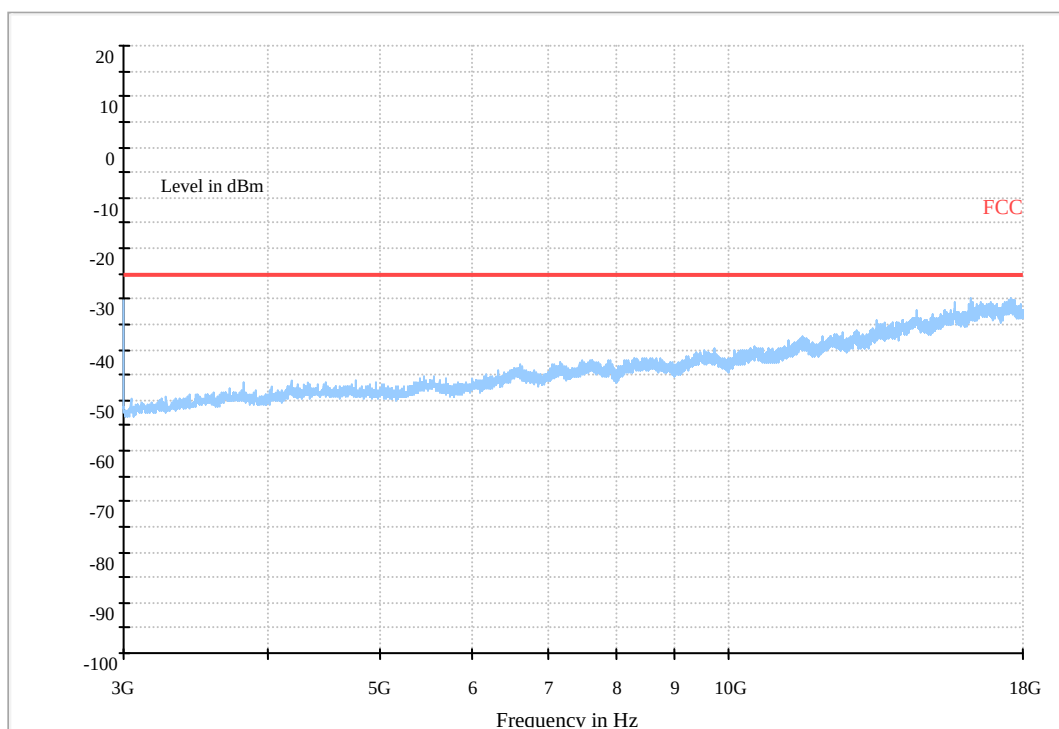
7.1.1.1 Test Bandwidth = 5

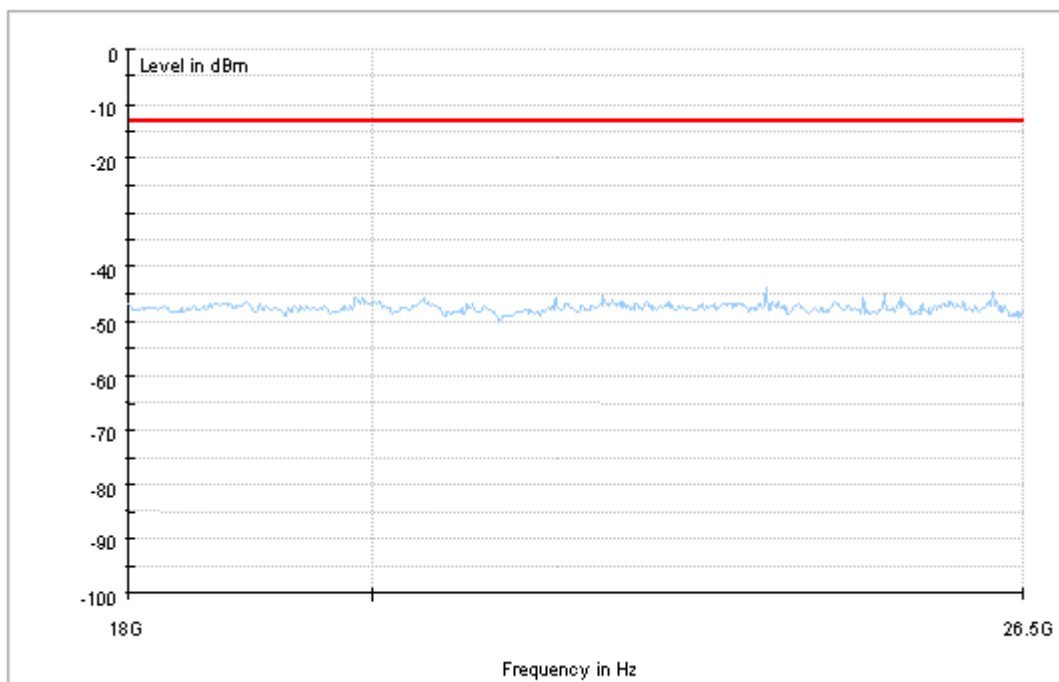


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

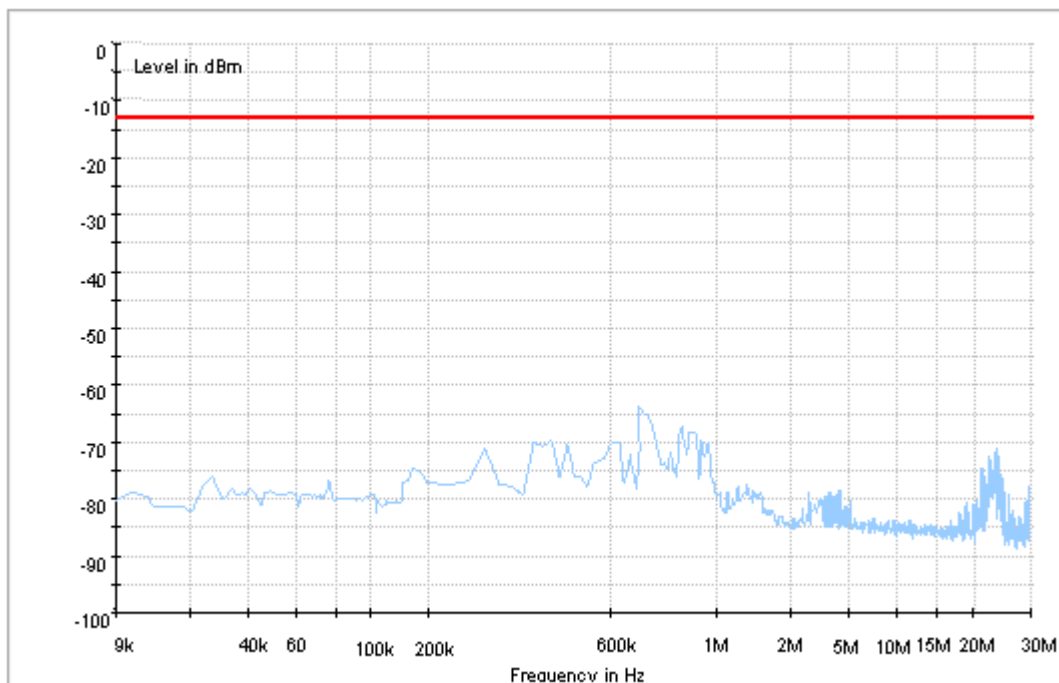


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

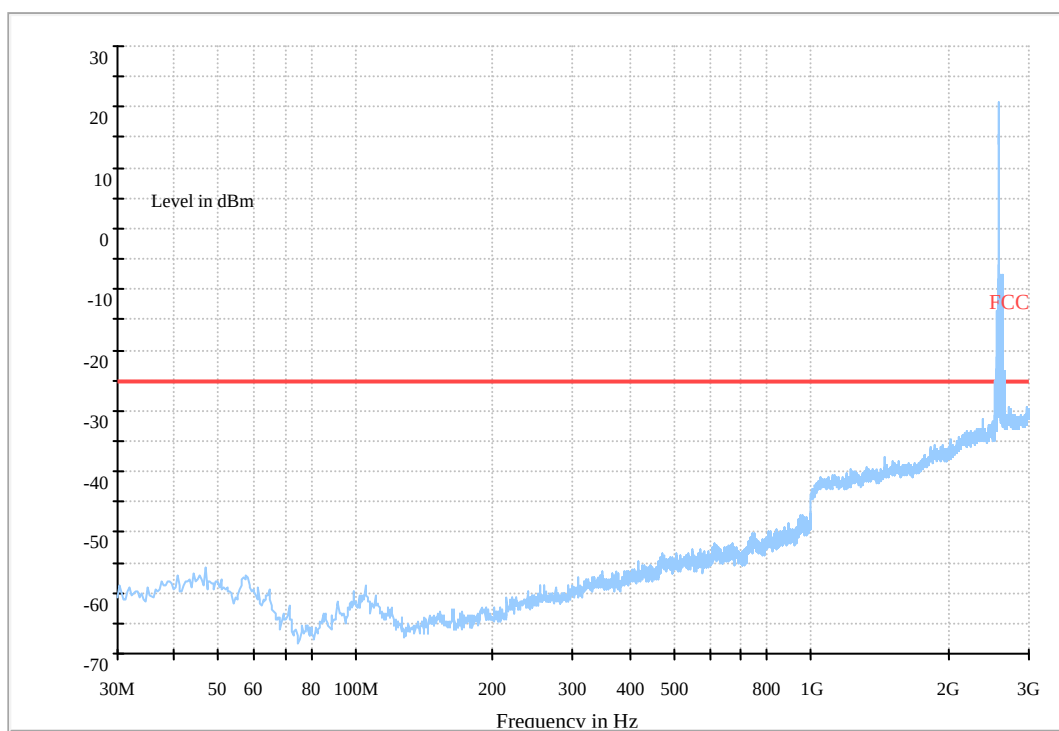




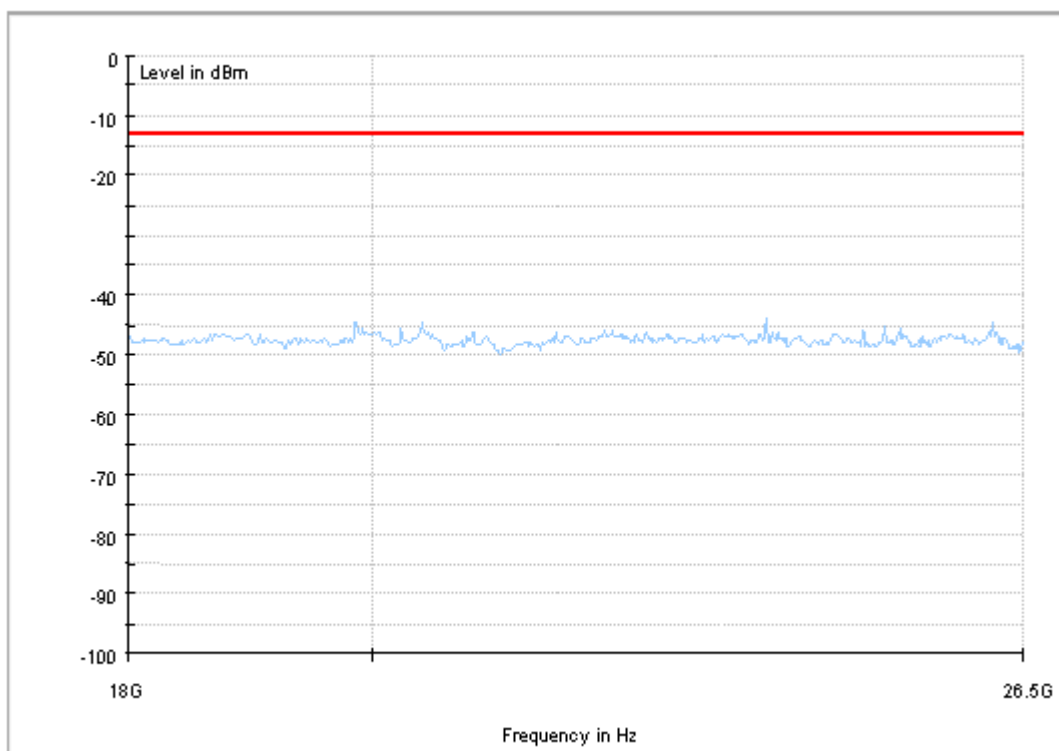
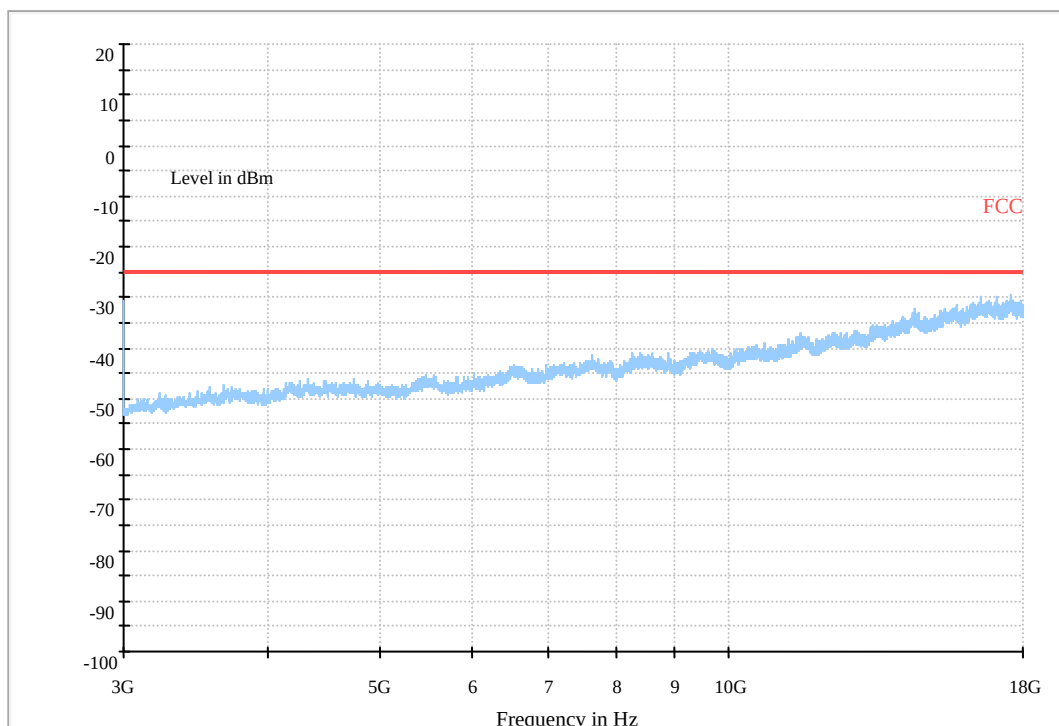
7.1.1.2 Test Bandwidth = 20



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
BAND38	LTE/TM1	5	LCH	TN	VL	-4.45	-0.00173	PASS
					VN	1.07	0.00042	PASS
					VH	-4.84	-0.00188	PASS
			MCH	TN	VL	-2.6	-0.001	PASS
					VN	-1.69	-0.00065	PASS
					VH	-0.89	-0.00034	PASS
			HCH	TN	VL	2.03	0.00078	PASS
					VN	-1.13	-0.00043	PASS
					VH	1.87	0.00071	PASS
		10	LCH	TN	VL	3.28	0.00127	PASS
					VN	1.43	0.00056	PASS
					VH	5.56	0.00216	PASS
			MCH	TN	VL	-2.35	-0.00091	PASS
					VN	-2.02	-0.00078	PASS
					VH	2.43	0.00094	PASS
			HCH	TN	VL	2.82	0.00108	PASS
					VN	6.32	0.00242	PASS
					VH	5.39	0.00206	PASS
		15	LCH	TN	VL	5.85	0.00227	PASS
					VN	10.27	0.00398	PASS
					VH	7.61	0.00295	PASS
			MCH	TN	VL	3.16	0.00122	PASS
					VN	-0.59	-0.00023	PASS
					VH	2.72	0.00105	PASS
			HCH	TN	VL	6.29	0.00241	PASS
					VN	2.33	0.00089	PASS
					VH	3.22	0.00123	PASS
		20	LCH	TN	VL	3.75	0.00145	PASS
					VN	-3.39	-0.00131	PASS
					VH	-1.34	-0.00052	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	1.69	0.00065	PASS
					VN	3.75	0.00145	PASS
					VH	1.89	0.00073	PASS
			HCH	TN	VL	1.39	0.00053	PASS
					VN	2.43	0.00093	PASS
					VH	2.69	0.00103	PASS
		5	LCH	TN	VL	3.73	0.00145	PASS
					VN	3.69	0.00143	PASS
					VH	5.14	0.002	PASS
			MCH	TN	VL	1.66	0.00064	PASS
					VN	-4.21	-0.00162	PASS
					VH	1.54	0.00059	PASS
			HCH	TN	VL	2.62	0.001	PASS
					VN	0.09	0.00003	PASS
					VH	-0.11	-0.00004	PASS
		10	LCH	TN	VL	7.4	0.00287	PASS
					VN	2.05	0.0008	PASS
					VH	6.32	0.00245	PASS
			MCH	TN	VL	-2.35	-0.00091	PASS
					VN	-0.44	-0.00017	PASS
					VH	-0.4	-0.00015	PASS
			HCH	TN	VL	6.92	0.00265	PASS
					VN	5.51	0.00211	PASS
					VH	7.22	0.00276	PASS
		15	LCH	TN	VL	5.59	0.00217	PASS
					VN	5.31	0.00206	PASS
					VH	6.78	0.00263	PASS
			MCH	TN	VL	-0.34	-0.00013	PASS
					VN	-2.03	-0.00078	PASS
					VH	2.83	0.00109	PASS
			HCH	TN	VL	3.62	0.00139	PASS
					VN	3.22	0.00123	PASS
					VH	5.65	0.00216	PASS
		20	LCH	TN	VL	-0.93	-0.00036	PASS
					VN	0.87	0.00034	PASS
					VH	-1.42	-0.00055	PASS
			MCH	TN	VL	3.35	0.00129	PASS
					VN	1.75	0.00067	PASS
					VH	0.39	0.00015	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	0.46	0.00018	PASS
					VN	1.14	0.00044	PASS
					VH	0.21	0.00008	PASS

8.1.2Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND3 8	LTE/TM1	5	LCH	VN	-30	-10.39	-0.00404	PASS
					-20	-4.32	-0.00168	PASS
					-10	4.41	0.00171	PASS
					0	-3.28	-0.00126	PASS
					10	-9.9	-0.00382	PASS
					20	-6.27	-0.00242	PASS
					30	-1.07	-0.00041	PASS
					40	-2.7	-0.00103	PASS
					50	-1.76	-0.00067	PASS
			MCH	VN	-30	-17.81	-0.00692	PASS
					-20	-6.41	-0.00249	PASS
					-10	7.58	0.00294	PASS
					0	20.93	0.00807	PASS
					10	31.04	0.01196	PASS
					20	11	0.00424	PASS
					30	-1.92	-0.00073	PASS
					40	-1.44	-0.00055	PASS
					50	-2.75	-0.00105	PASS
			HCH	VN	-30	-6.61	-0.00256	PASS
					-20	5.48	0.00213	PASS
					-10	-10.87	-0.00422	PASS
					0	11.22	0.00432	PASS
					10	10.06	0.00388	PASS
					20	0.46	0.00018	PASS
					30	-1.72	-0.00066	PASS
					40	-1.73	-0.00066	PASS
					50	-1.06	-0.00041	PASS
		10	LCH	VN	-30	111.05	0.04304	PASS
					-20	100.15	0.03882	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	77.92	0.0302	PASS
					0	10.57	0.00407	PASS
					10	-2.5	-0.00096	PASS
					20	-20.06	-0.00773	PASS
					30	-2.98	-0.00114	PASS
					40	-2.6	-0.001	PASS
					50	-1.5	-0.00057	PASS
			MCH	VN	-30	4.85	0.00189	PASS
					-20	-7.82	-0.00304	PASS
					-10	-1.57	-0.00061	PASS
					0	3.66	0.00141	PASS
					10	-11.29	-0.00435	PASS
					20	15.98	0.00616	PASS
					30	-2.47	-0.00094	PASS
					40	-2.19	-0.00084	PASS
					50	-0.79	-0.0003	PASS
			HCH	VN	-30	-4.73	-0.00184	PASS
					-20	-6.98	-0.00271	PASS
					-10	1.06	0.00041	PASS
					0	-18.31	-0.00706	PASS
					10	-10.94	-0.00422	PASS
					20	-9.7	-0.00374	PASS
					30	-5.02	-0.00192	PASS
					40	-1.8	-0.00069	PASS
					50	-3.89	-0.00149	PASS
		15	LCH	VN	-30	8.61	0.00334	PASS
					-20	8.18	0.00317	PASS
					-10	9.01	0.0035	PASS
					0	6.48	0.00251	PASS
					10	6.35	0.00246	PASS
					20	8.28	0.00321	PASS
					30	6.74	0.00261	PASS
					40	7.71	0.00299	PASS
					50	6.82	0.00265	PASS
			MCH	VN	-30	3.1	0.00119	PASS
					-20	2.19	0.00084	PASS
					-10	0.47	0.00018	PASS
					0	0	0	PASS
					10	-1.59	-0.00061	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	0.43	0.00017	PASS
					30	0.96	0.00037	PASS
					40	-2.86	-0.0011	PASS
					50	0.1	0.00004	PASS
			HCH	VN	-30	5.32	0.00204	PASS
					-20	5.97	0.00229	PASS
					-10	4.22	0.00162	PASS
					0	4.15	0.00159	PASS
					10	4.45	0.0017	PASS
					20	7.41	0.00284	PASS
					30	3.06	0.00117	PASS
					40	4.48	0.00171	PASS
					50	3.39	0.0013	PASS
		20	LCH	VN	-30	1.63	0.00063	PASS
					-20	-0.09	-0.00003	PASS
					-10	0.56	0.00022	PASS
					0	3.28	0.00127	PASS
					10	-1.03	-0.0004	PASS
					20	0.57	0.00022	PASS
					30	0.49	0.00019	PASS
					40	2.57	0.001	PASS
					50	2.45	0.00095	PASS
			MCH	VN	-30	0.47	0.00018	PASS
					-20	3.09	0.00119	PASS
					-10	3.02	0.00116	PASS
					0	-0.17	-0.00007	PASS
					10	6.74	0.0026	PASS
					20	0.04	0.00002	PASS
					30	1.95	0.00075	PASS
					40	0.5	0.00019	PASS
					50	0.36	0.00014	PASS
			HCH	VN	-30	-0.31	-0.00012	PASS
					-20	-0.47	-0.00018	PASS
					-10	2.02	0.00077	PASS
					0	3.56	0.00136	PASS
					10	-0.33	-0.00013	PASS
					20	2	0.00077	PASS
					30	0.72	0.00028	PASS
					40	1.14	0.00044	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	VN	50	-0.56	-0.00021	PASS
					-30	5.95	0.00229	PASS
					-20	1.16	0.00045	PASS
					-10	1.72	0.00066	PASS
					0	-6.77	-0.00261	PASS
					10	-1.04	-0.0004	PASS
					20	5.52	0.00213	PASS
					30	-12.77	-0.00492	PASS
					40	-4.25	-0.00164	PASS
					50	3.95	0.00152	PASS
			MCH	VN	-30	-1.23	-0.00047	PASS
					-20	-1.83	-0.0007	PASS
					-10	-2.07	-0.00079	PASS
					0	-2.23	-0.00085	PASS
					10	-1.99	-0.00076	PASS
					20	-1.06	-0.00041	PASS
					30	-2.43	-0.00093	PASS
					40	-0.86	-0.00033	PASS
					50	-1.66	-0.00063	PASS
			HCH	VN	-30	-5.06	-0.00196	PASS
					-20	-0.99	-0.00038	PASS
					-10	-11.27	-0.00437	PASS
					0	-2.56	-0.00099	PASS
					10	-4.22	-0.00164	PASS
					20	-3.79	-0.00147	PASS
					30	-0.47	-0.00018	PASS
					40	-11.32	-0.00439	PASS
					50	-2.75	-0.00107	PASS
		10	LCH	VN	-30	-1.57	-0.00061	PASS
					-20	-5.41	-0.00208	PASS
					-10	6.54	0.00252	PASS
					0	4.96	0.00191	PASS
					10	5.61	0.00216	PASS
					20	-3.13	-0.00121	PASS
					30	3.12	0.0012	PASS
					40	0.99	0.00038	PASS
					50	-1.44	-0.00055	PASS
			MCH	VN	-30	-2.15	-0.00082	PASS
					-20	-2.02	-0.00077	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-2.26	-0.00087	PASS
					0	-3.66	-0.0014	PASS
					10	-2.55	-0.00098	PASS
					20	-2.02	-0.00077	PASS
					30	-3.71	-0.00142	PASS
					40	-3.33	-0.00127	PASS
					50	-1.82	-0.0007	PASS
			HCH	VN	-30	-5.84	-0.00226	PASS
					-20	-25.16	-0.00975	PASS
					-10	-151.73	-0.05881	PASS
					0	-116.97	-0.04534	PASS
					10	-94.56	-0.03665	PASS
					20	-120.61	-0.04675	PASS
					30	-41.79	-0.0162	PASS
					40	-74.47	-0.02886	PASS
					50	-81.05	-0.03141	PASS
		15	LCH	VN	-30	2.59	0.001	PASS
					-20	-24.45	-0.00942	PASS
					-10	-17.94	-0.00691	PASS
					0	-5.58	-0.00215	PASS
					10	-12.52	-0.00482	PASS
					20	-6.49	-0.0025	PASS
					30	1.29	0.0005	PASS
					40	-2.73	-0.00105	PASS
					50	-13.33	-0.00514	PASS
			MCH	VN	-30	9.27	0.0036	PASS
					-20	5.94	0.0023	PASS
					-10	8.34	0.00324	PASS
					0	4.43	0.00172	PASS
					10	6.45	0.0025	PASS
					20	8.6	0.00334	PASS
					30	11.14	0.00432	PASS
					40	2.56	0.00099	PASS
					50	5.44	0.00211	PASS
			HCH	VN	-30	3.91	0.00151	PASS
					-20	1.49	0.00057	PASS
					-10	4.79	0.00185	PASS
					0	4.26	0.00164	PASS
					10	-2.13	-0.00082	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp .	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	1.49	0.00057	PASS
					30	-0.47	-0.00018	PASS
					40	-0.82	-0.00032	PASS
					50	1.57	0.00061	PASS
		20	LCH	VN	-30	1.36	0.00053	PASS
					-20	-0.86	-0.00033	PASS
					-10	2.39	0.00093	PASS
					0	1.96	0.00076	PASS
					10	1.85	0.00072	PASS
					20	4.11	0.00159	PASS
					30	-0.39	-0.00015	PASS
					40	1.17	0.00045	PASS
					50	-1.16	-0.00045	PASS
			MCH	VN	-30	3	0.00116	PASS
					-20	-1.72	-0.00066	PASS
					-10	1.77	0.00068	PASS
					0	-1.12	-0.00043	PASS
					10	-0.19	-0.00007	PASS
					20	1.86	0.00072	PASS
					30	3.28	0.00126	PASS
					40	1.87	0.00072	PASS
					50	-2.25	-0.00087	PASS
			HCH	VN	-30	3.43	0.00131	PASS
					-20	5.75	0.0022	PASS
					-10	1.24	0.00048	PASS
					0	0.97	0.00037	PASS
					10	0.3	0.00011	PASS
					20	2.22	0.00085	PASS
					30	-0.27	-0.0001	PASS
					40	1.46	0.00056	PASS
					50	-1.16	-0.00044	PASS

END