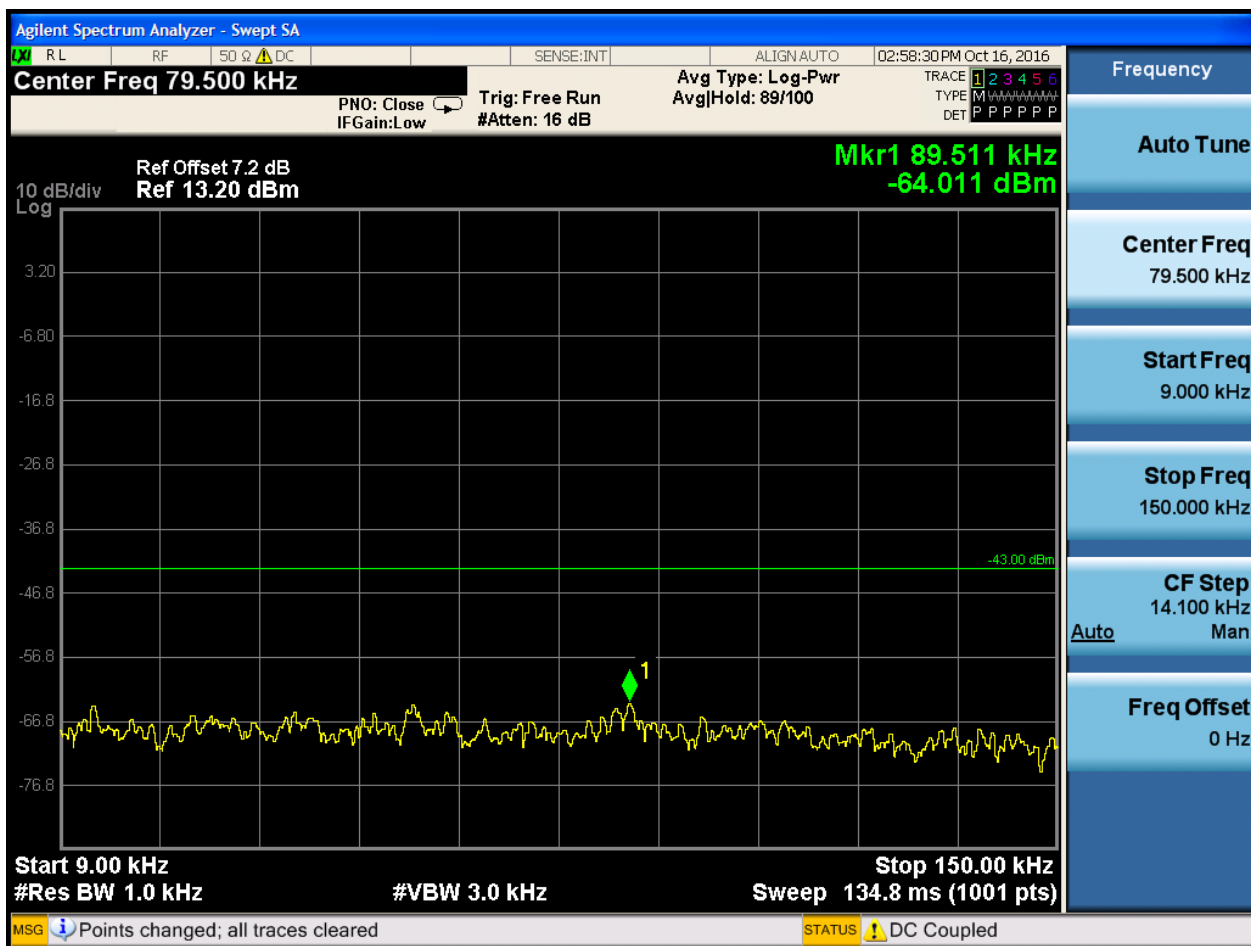
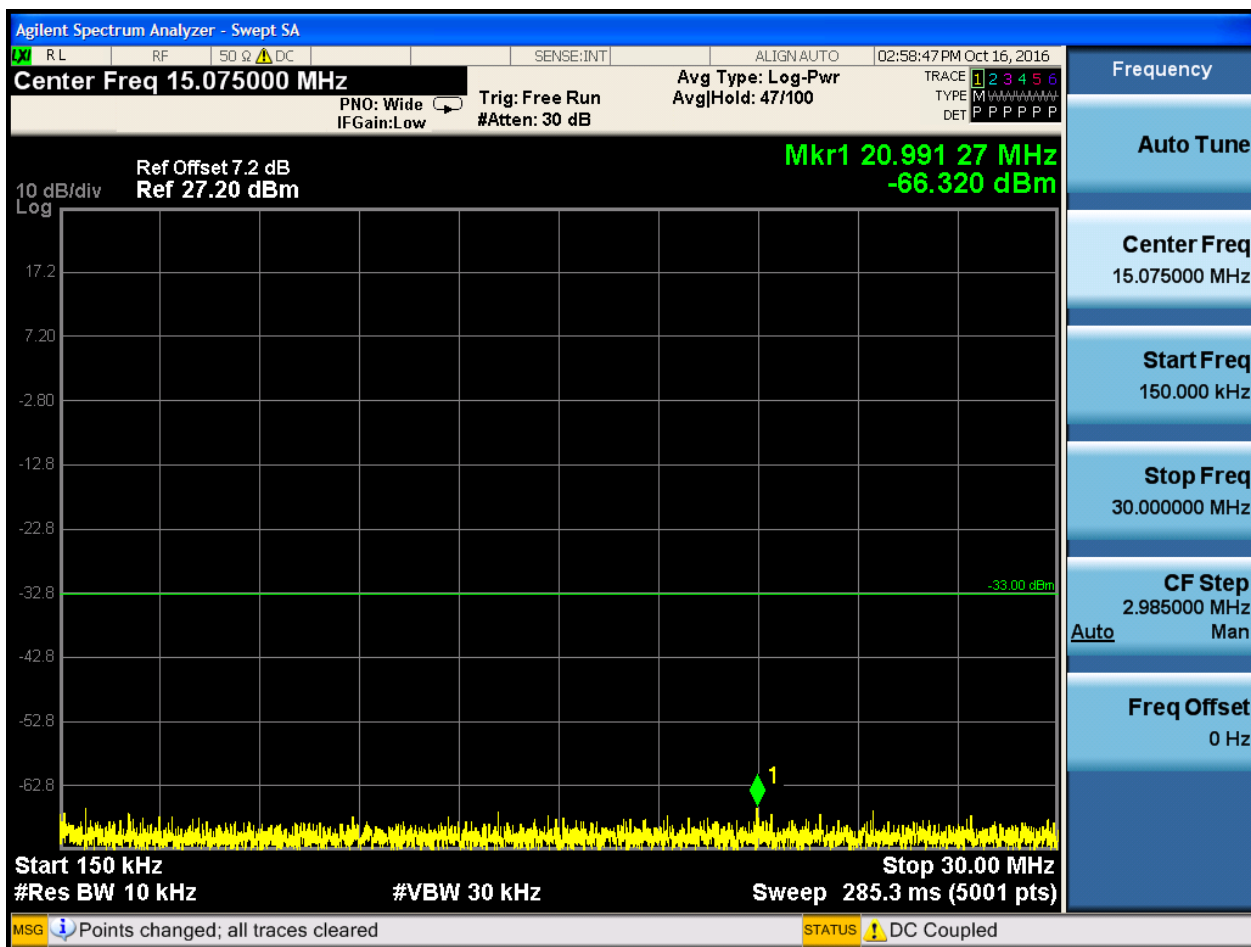




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



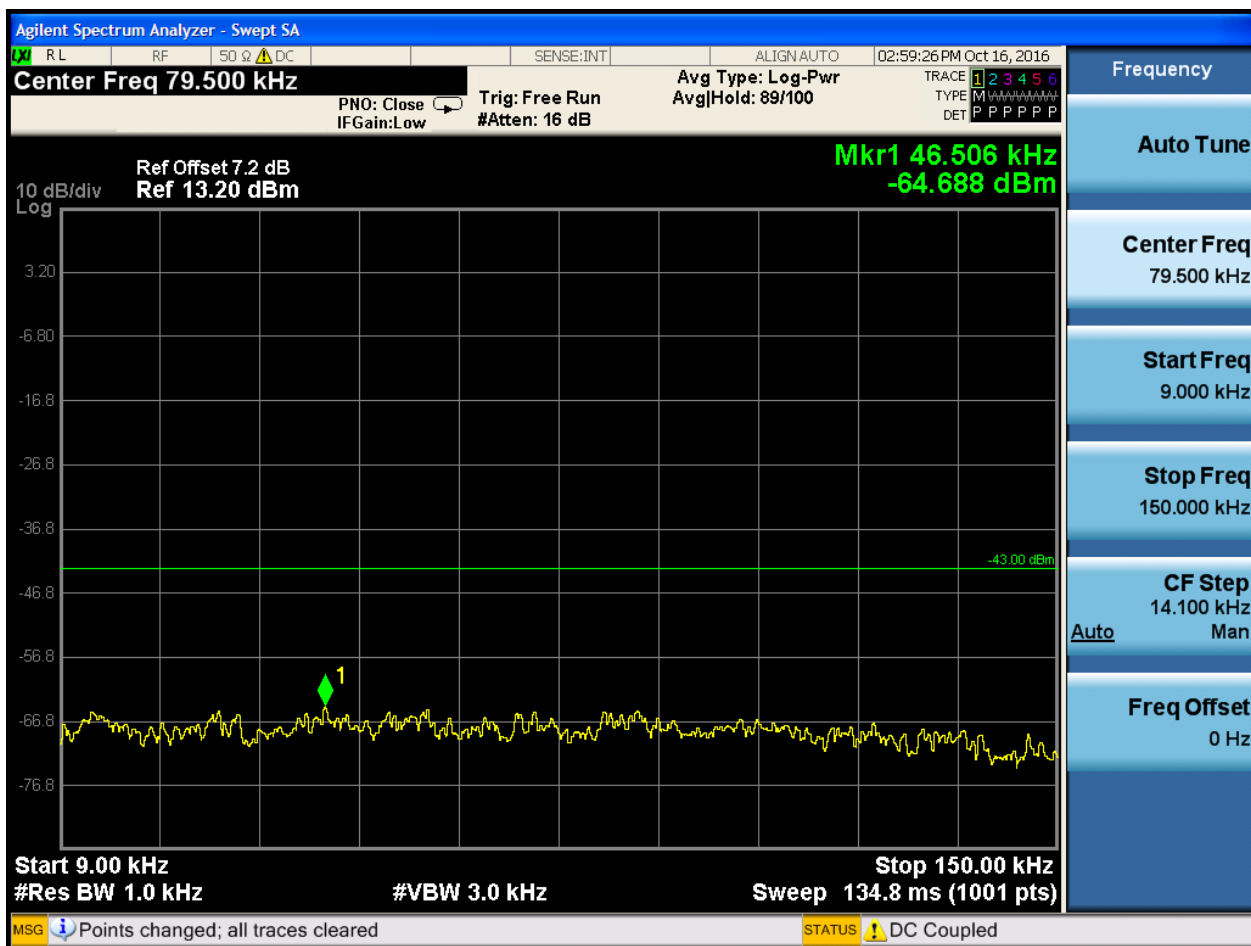


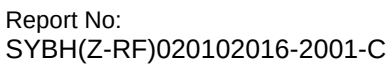


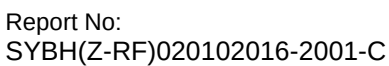


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



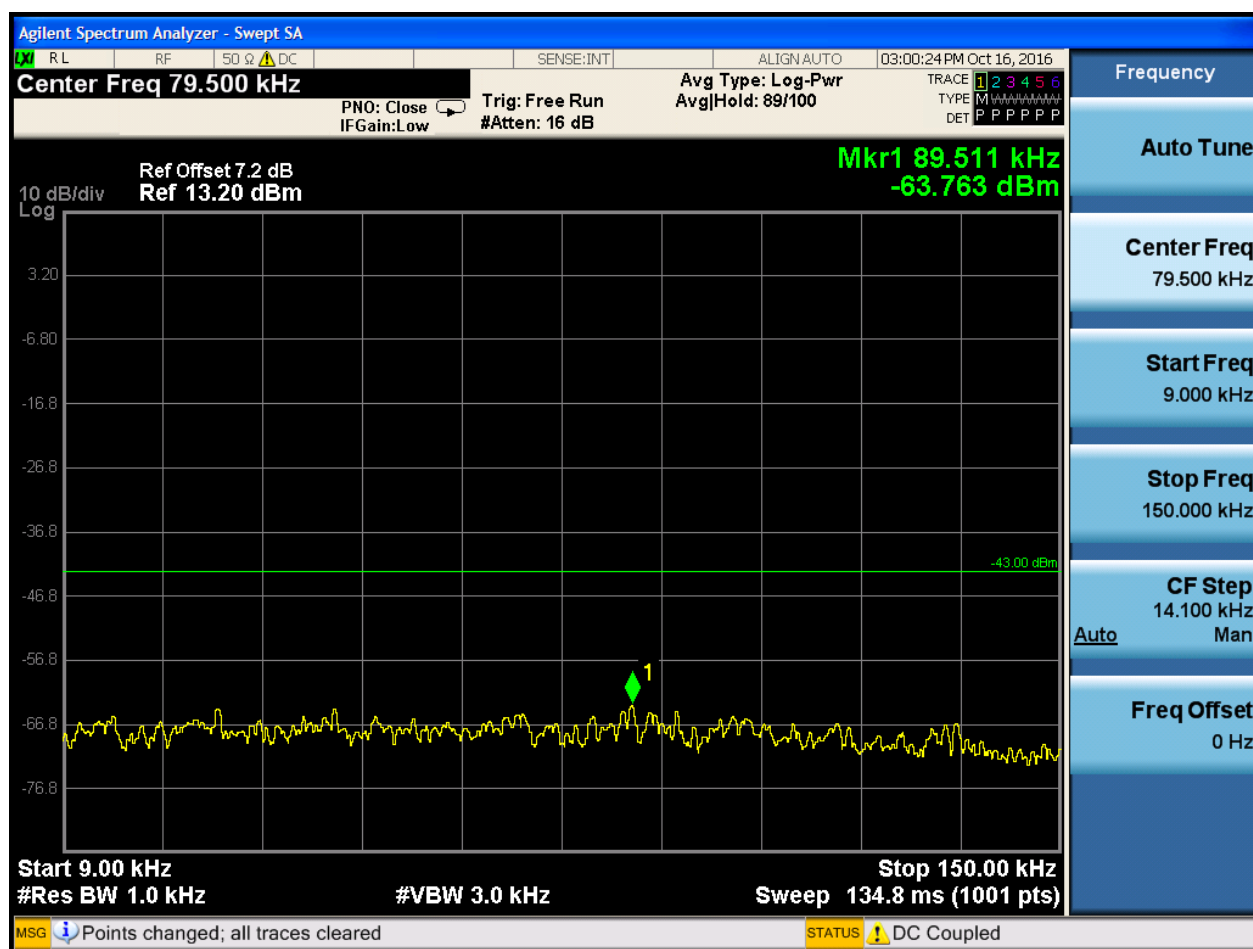


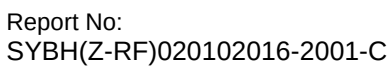


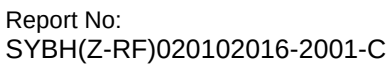
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

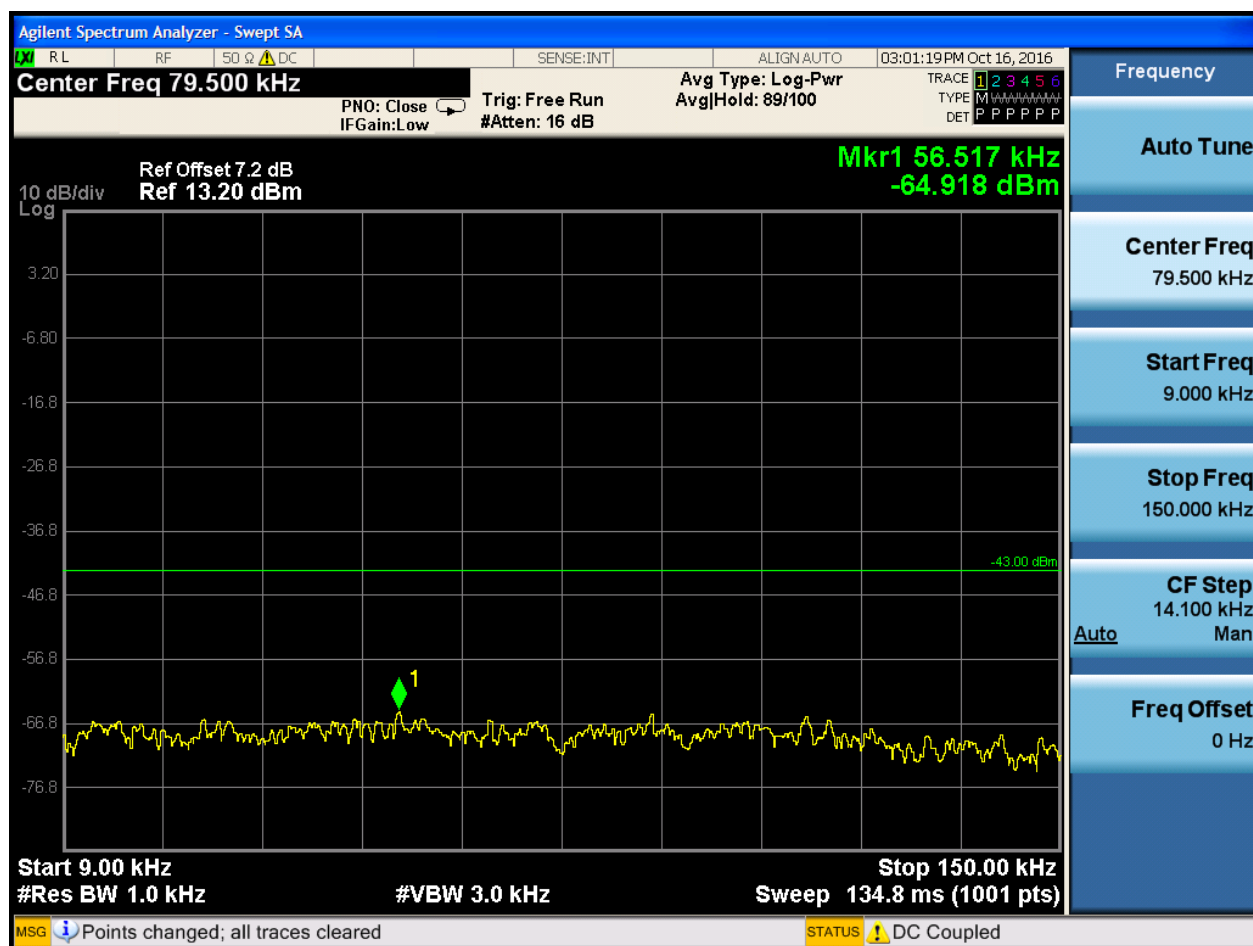


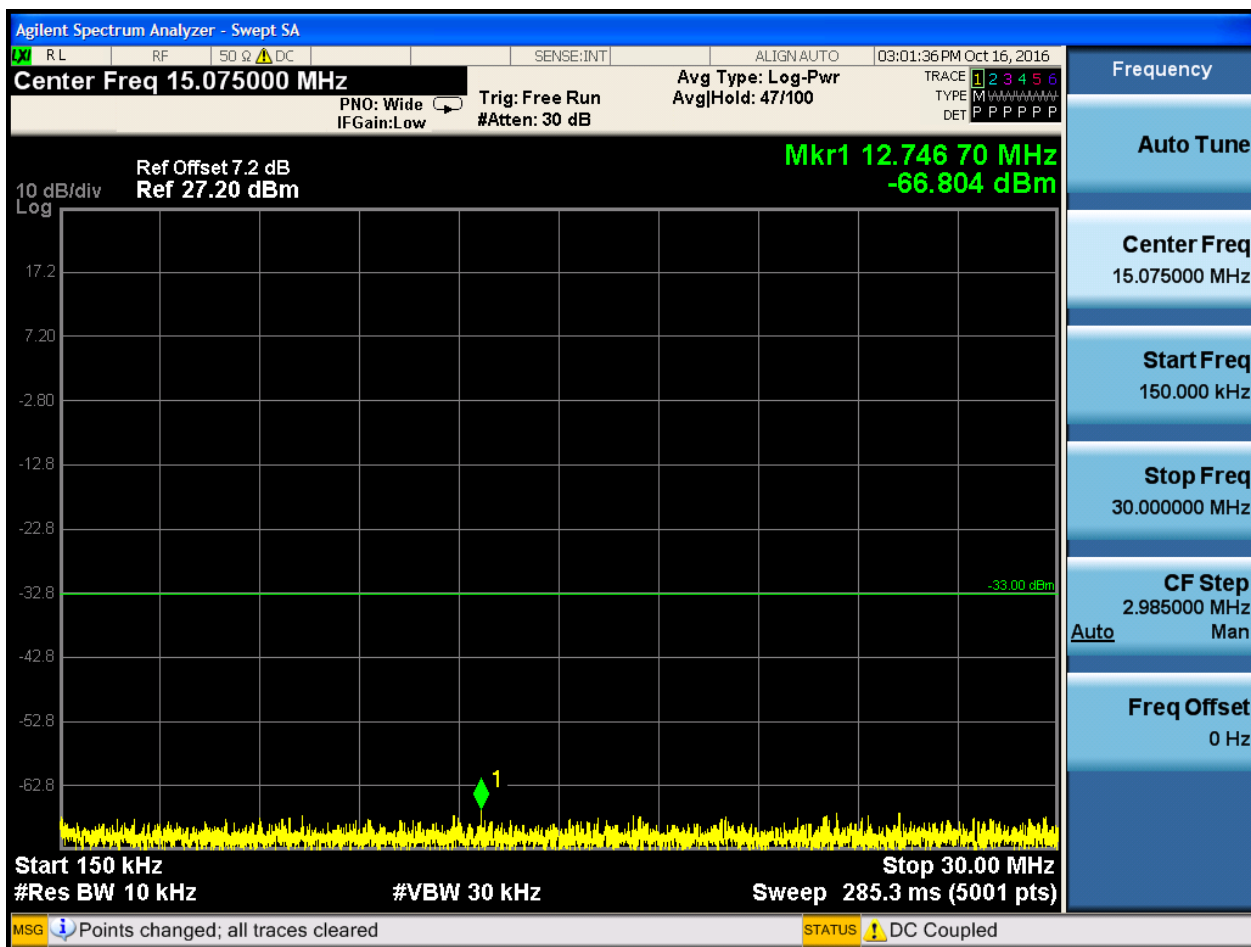


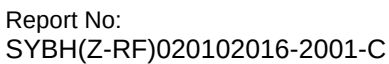


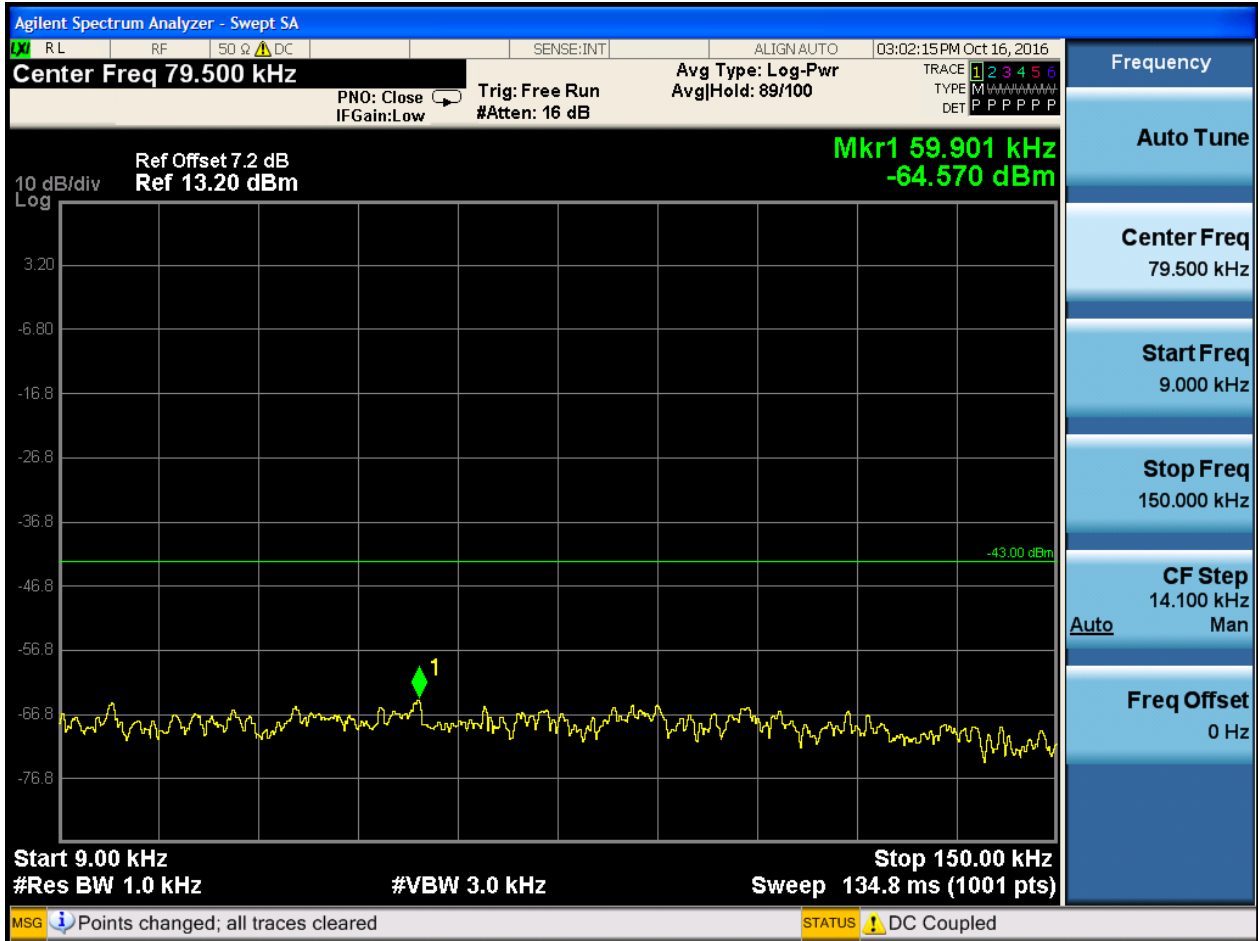
6.1.1.2.4.2 Test Channel = MCH

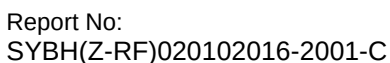
6.1.1.2.4.2.1 Test RB = RB1#0

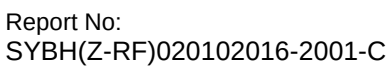










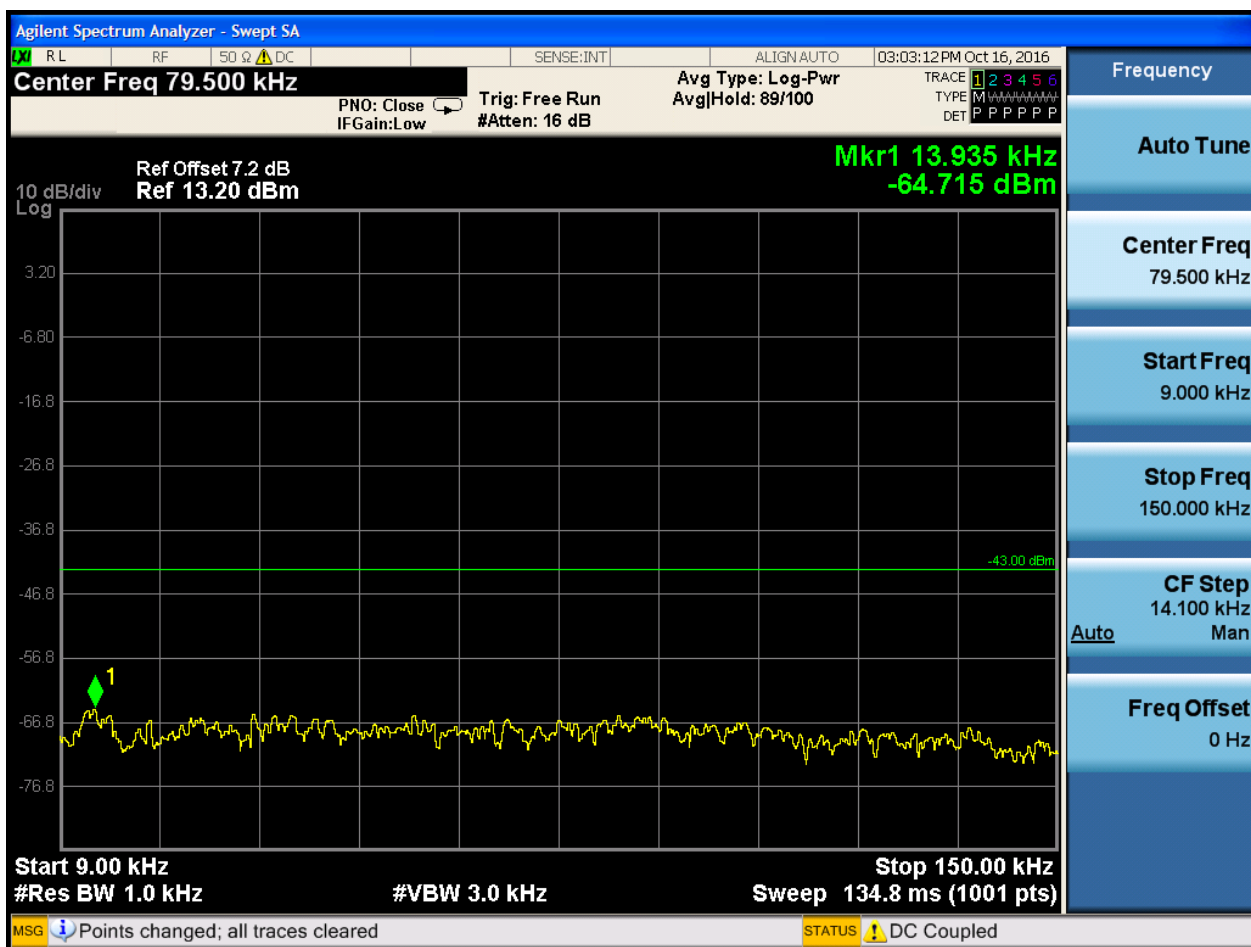


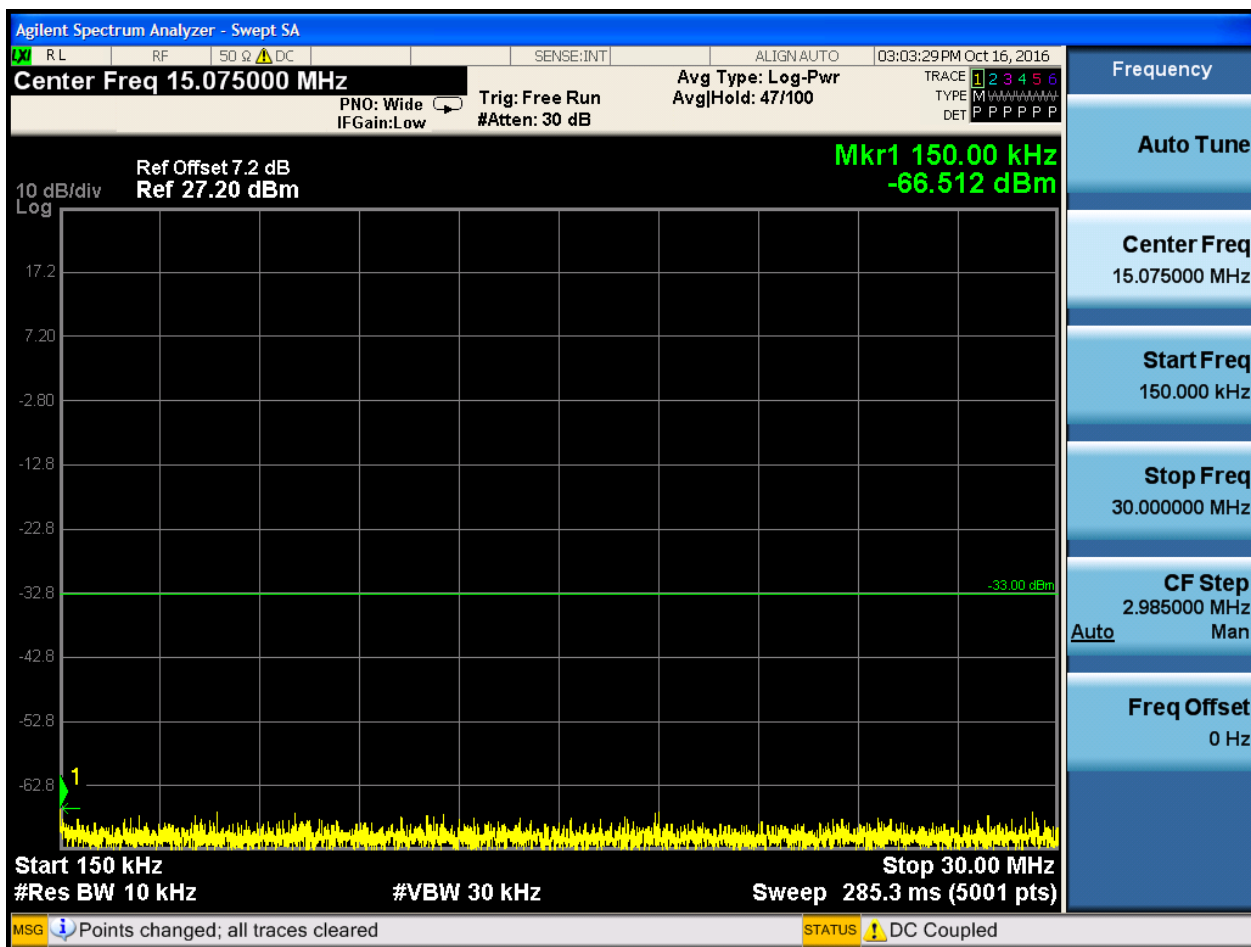


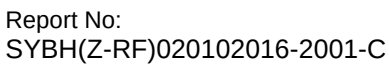
6.1.1.2.5 Test Bandwidth = 15

6.1.1.2.5.1 Test Channel = LCH

6.1.1.2.5.1.1 Test RB = RB1#0



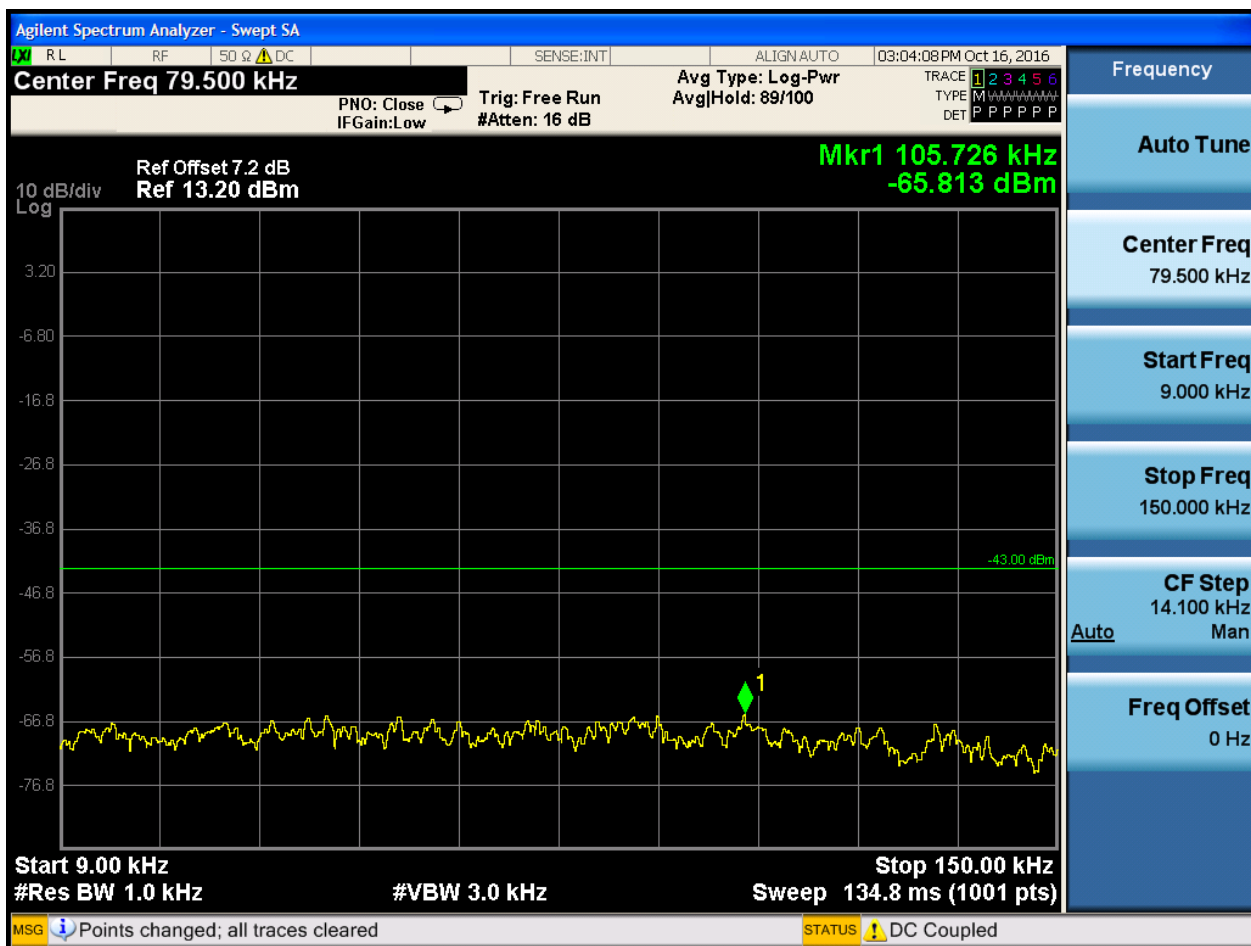


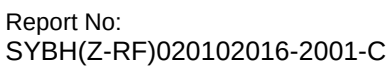


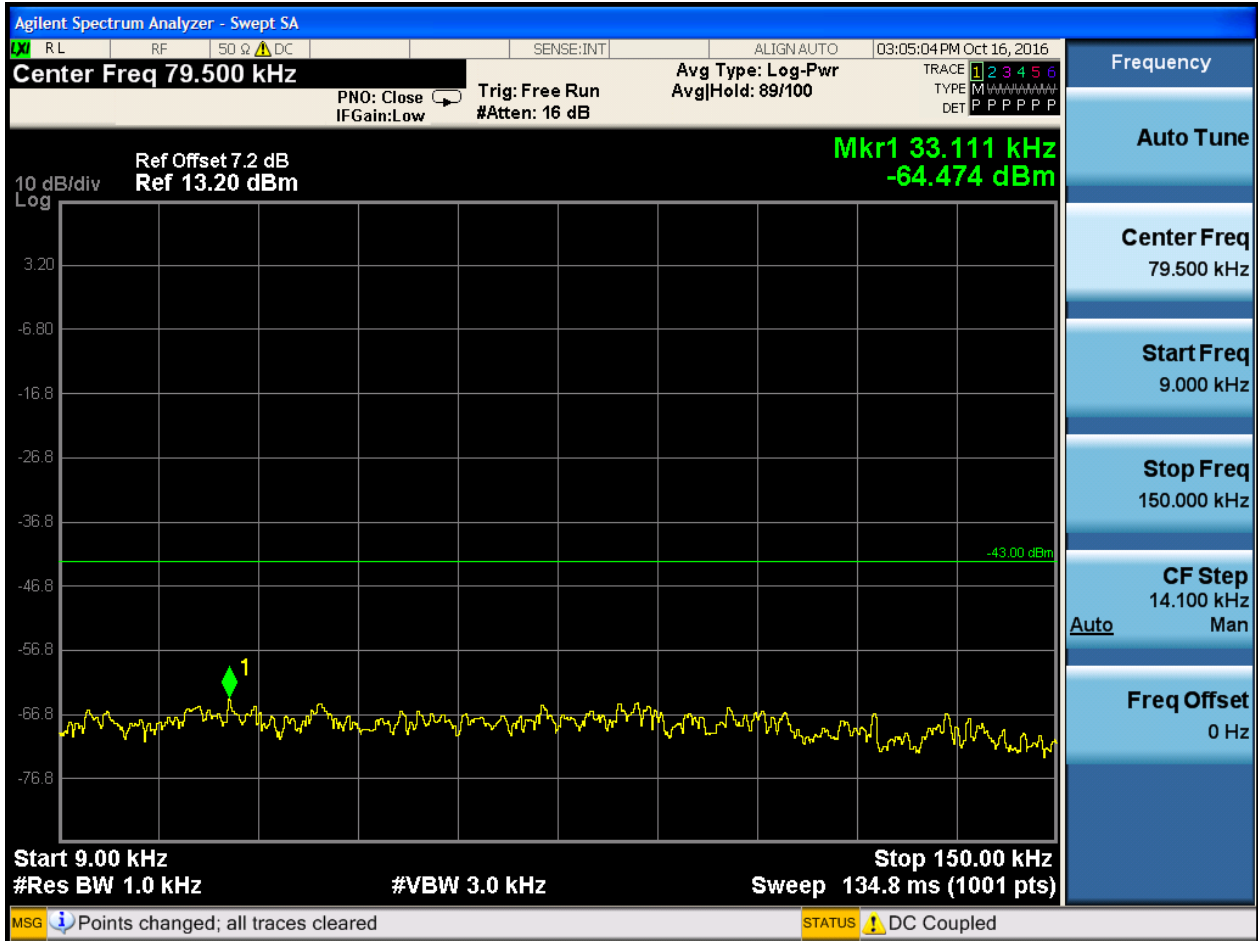


6.1.1.2.5.2 Test Channel = MCH

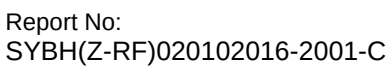
6.1.1.2.5.2.1 Test RB = RB1#0









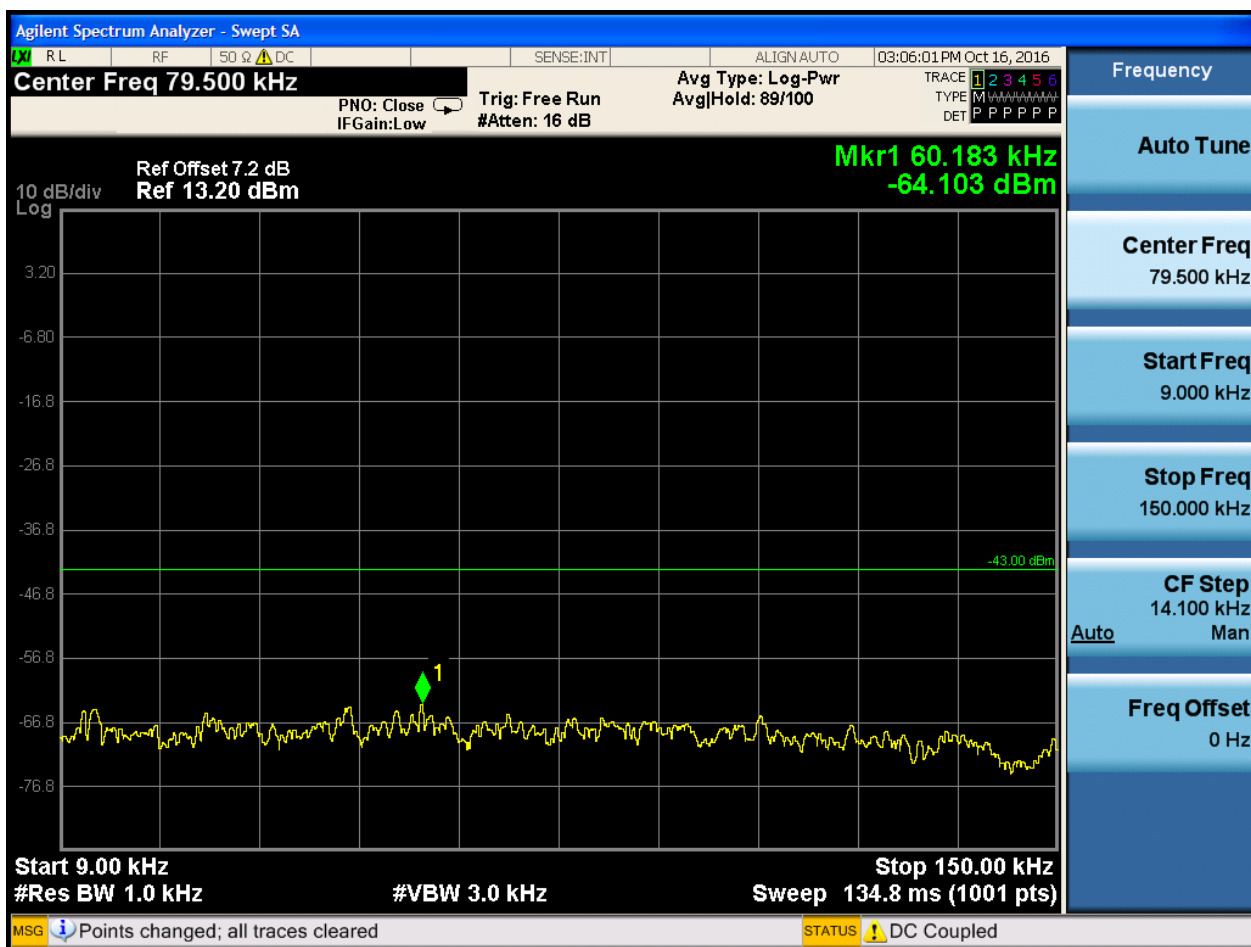


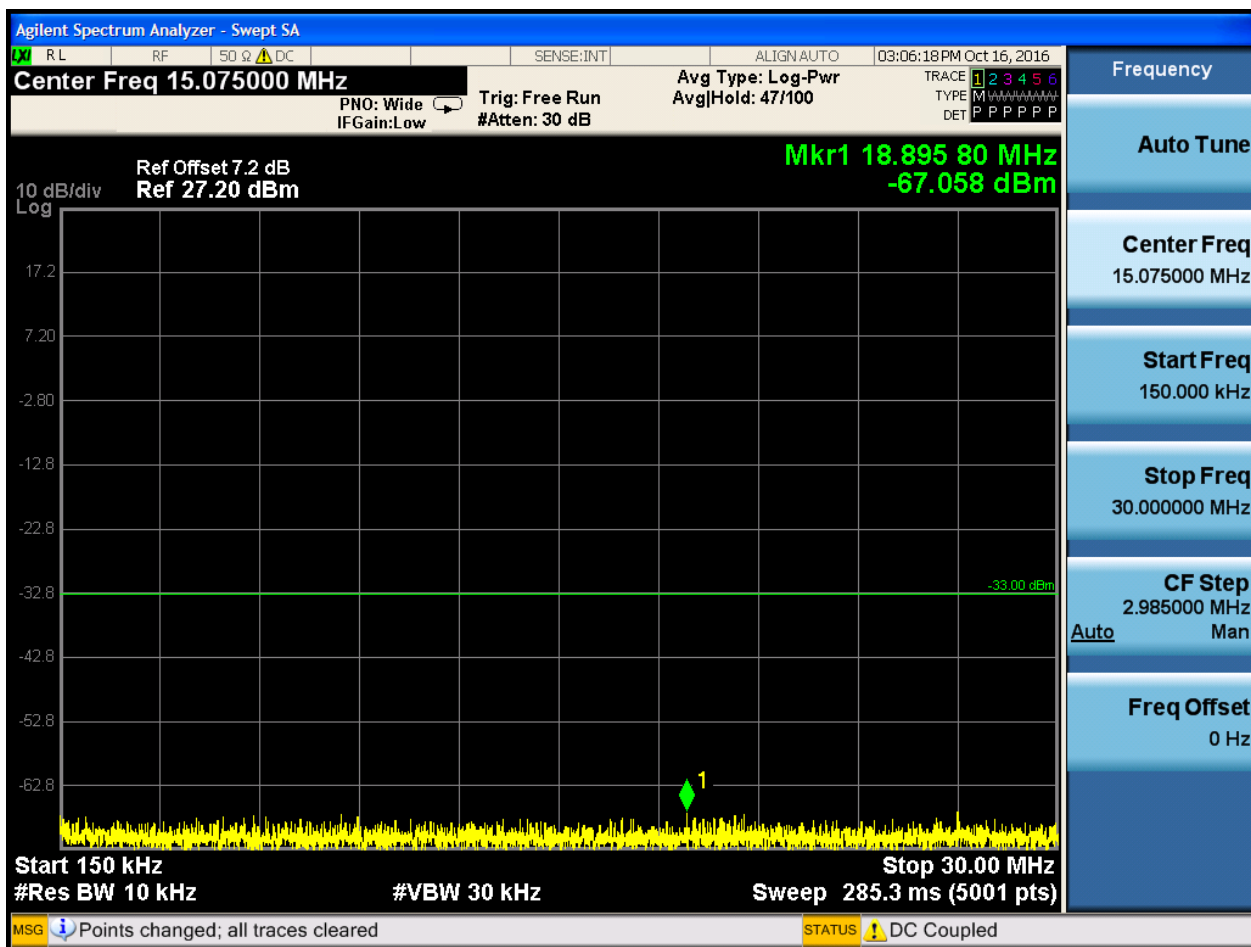


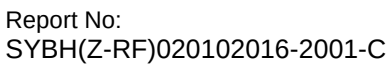
6.1.1.2.6 Test Bandwidth = 20

6.1.1.2.6.1 Test Channel = LCH

6.1.1.2.6.1.1 Test RB = RB1#0

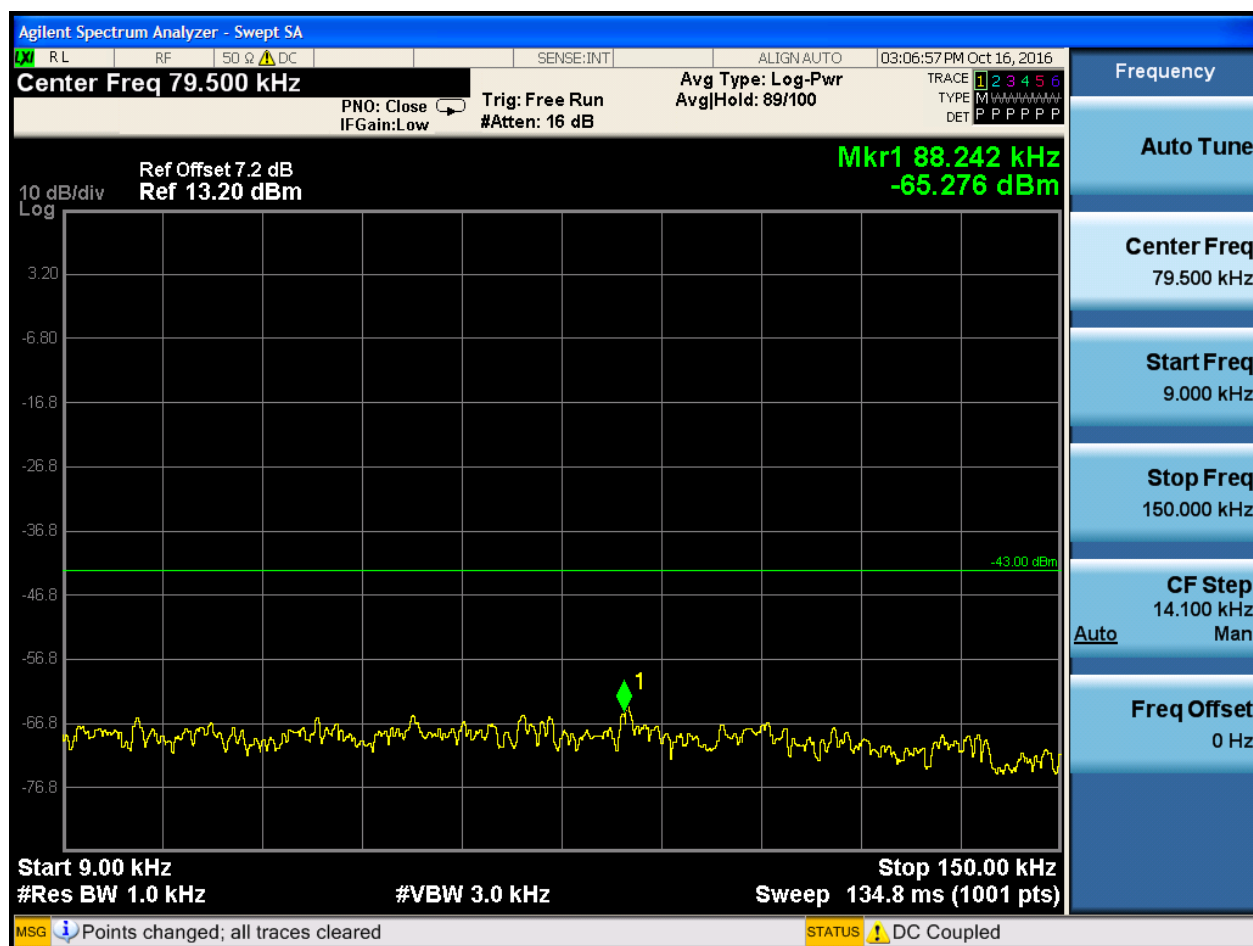


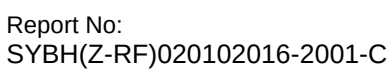


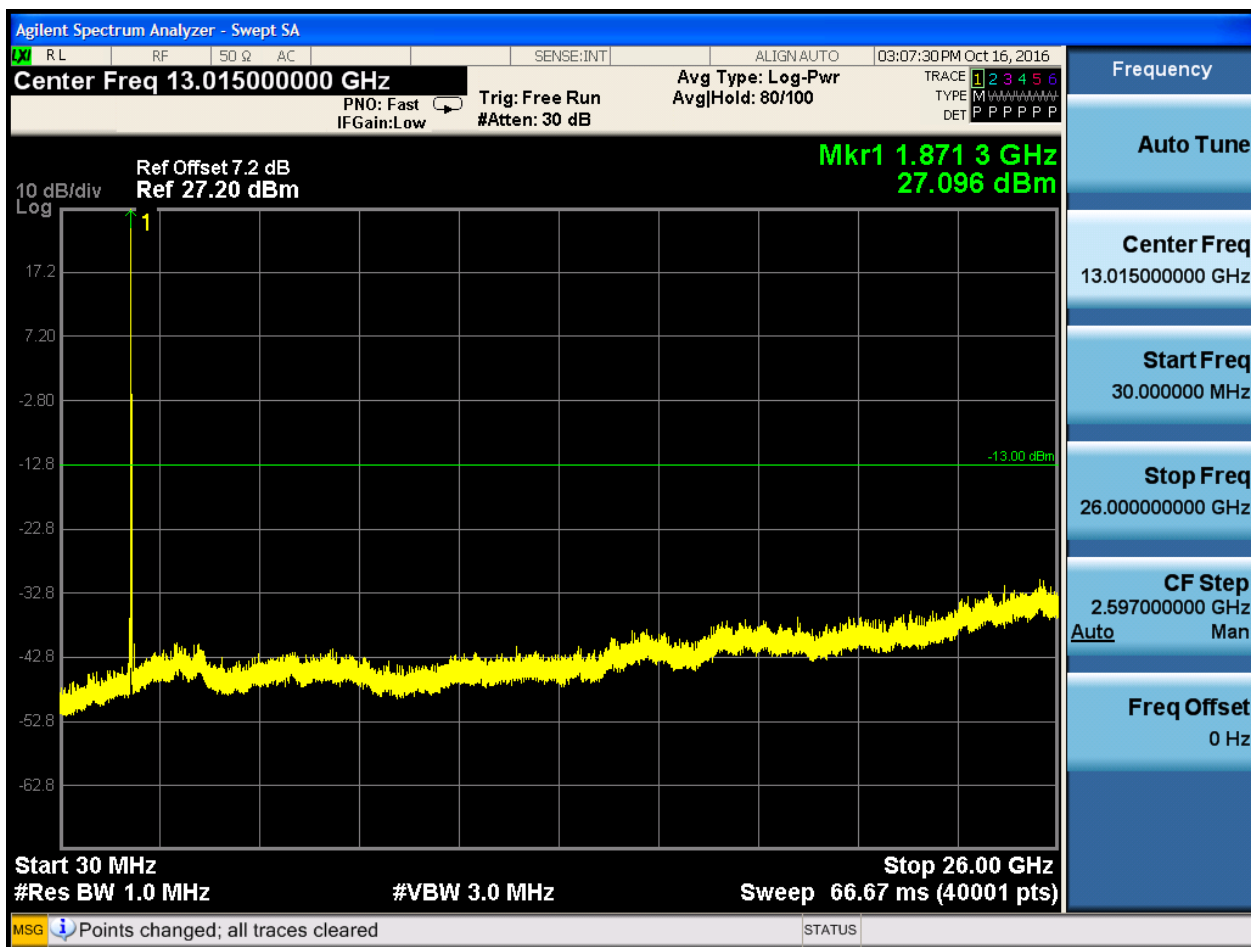


6.1.1.2.6.2 Test Channel = MCH

6.1.1.2.6.2.1 Test RB = RB1#0



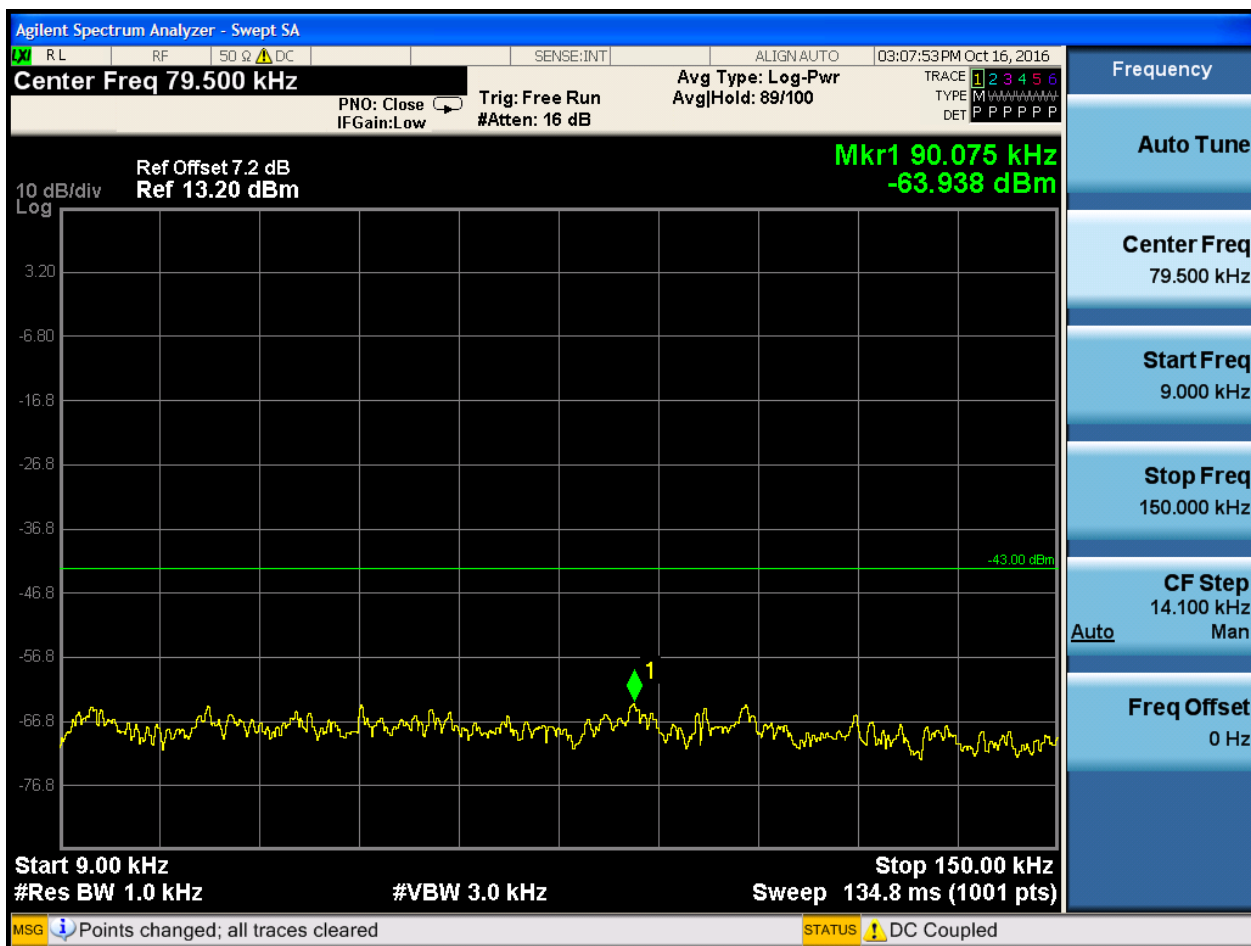


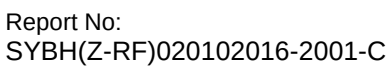


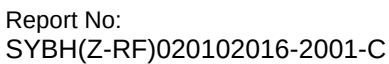


6.1.1.2.6.3 Test Channel = HCH

6.1.1.2.6.3.1 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

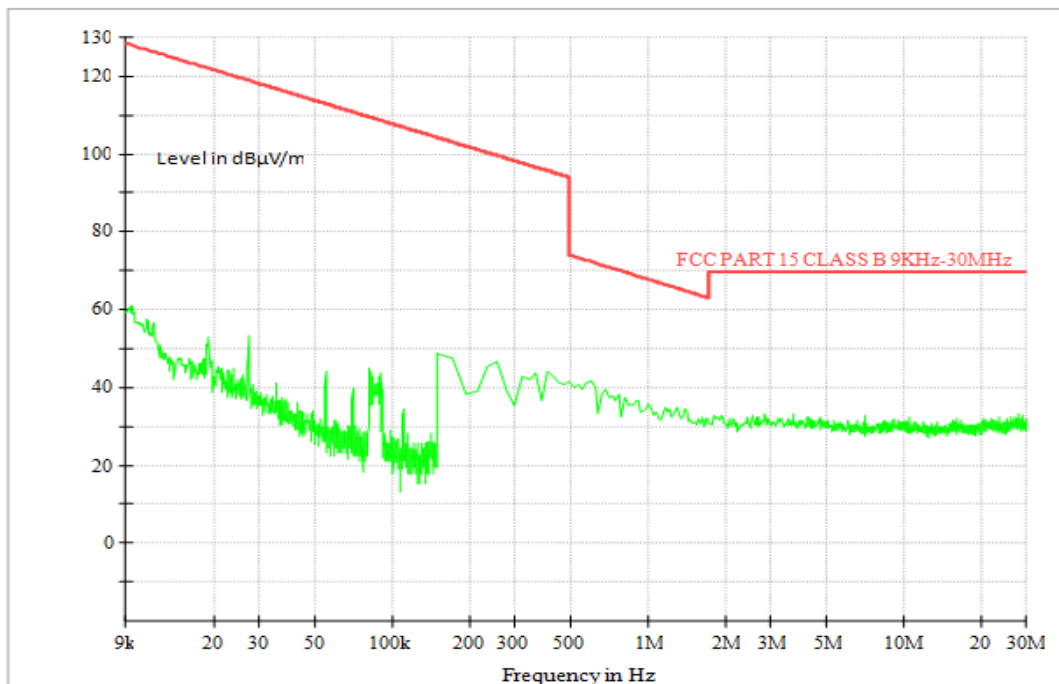
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

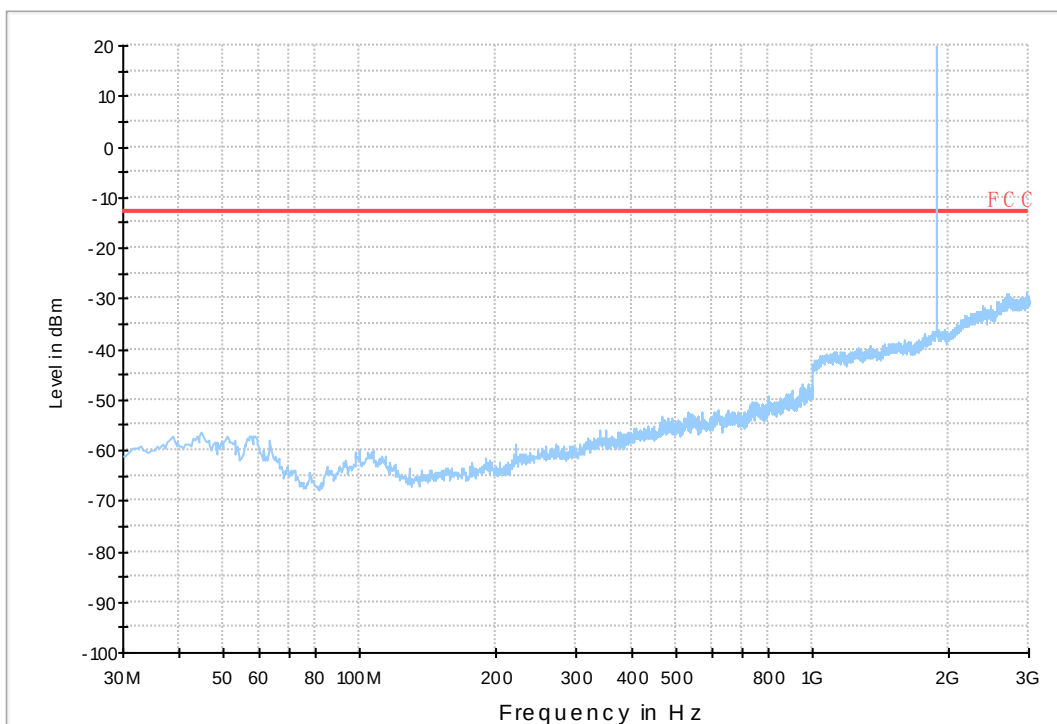
7.1 For LTE

7.1.1 Test Band = BAND2

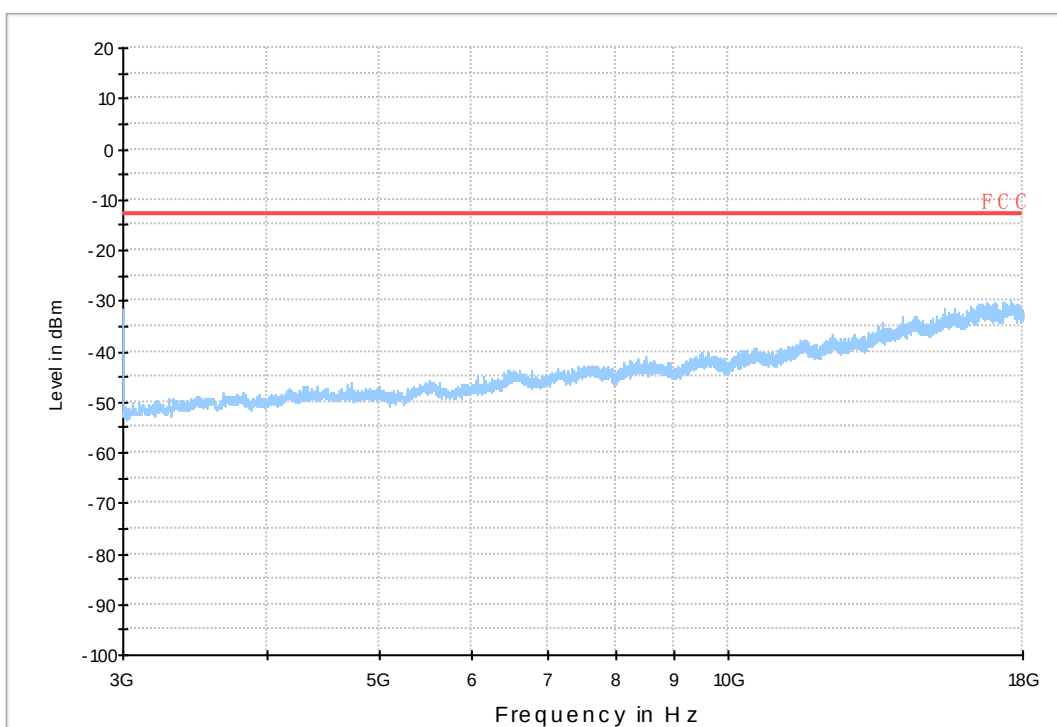
7.1.1.1 Test Bandwidth = 1.4

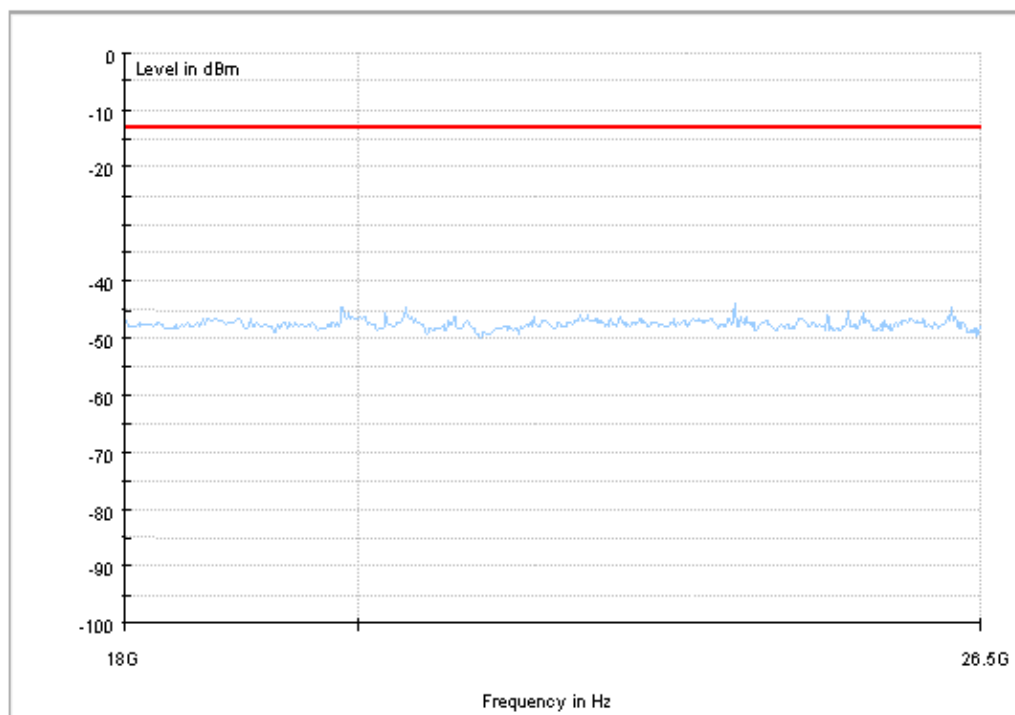


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

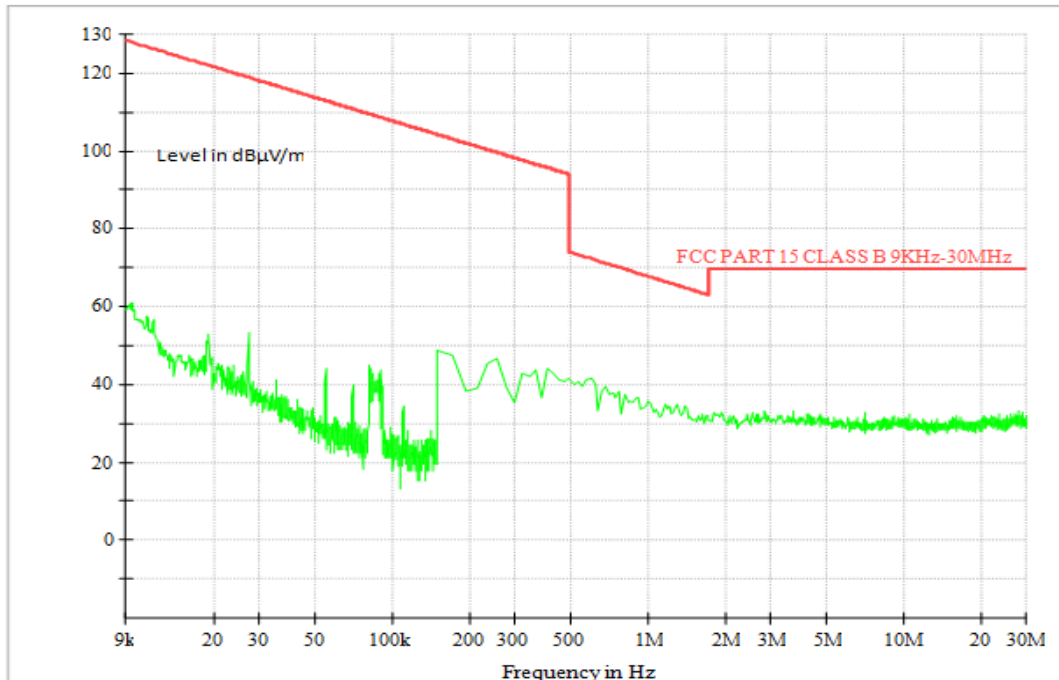


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

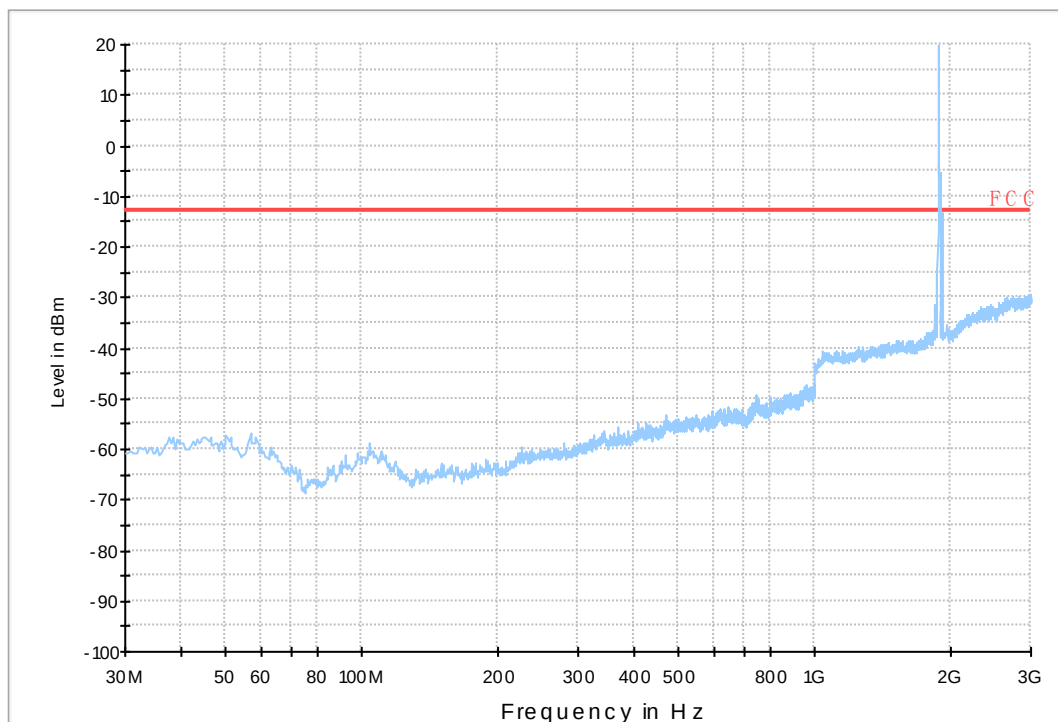




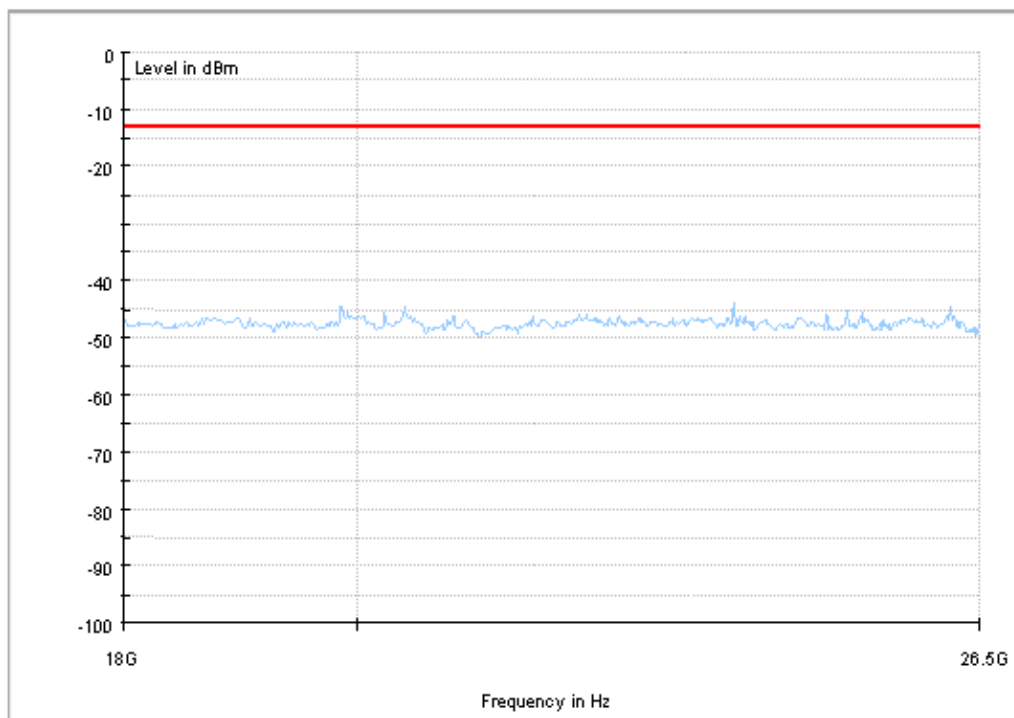
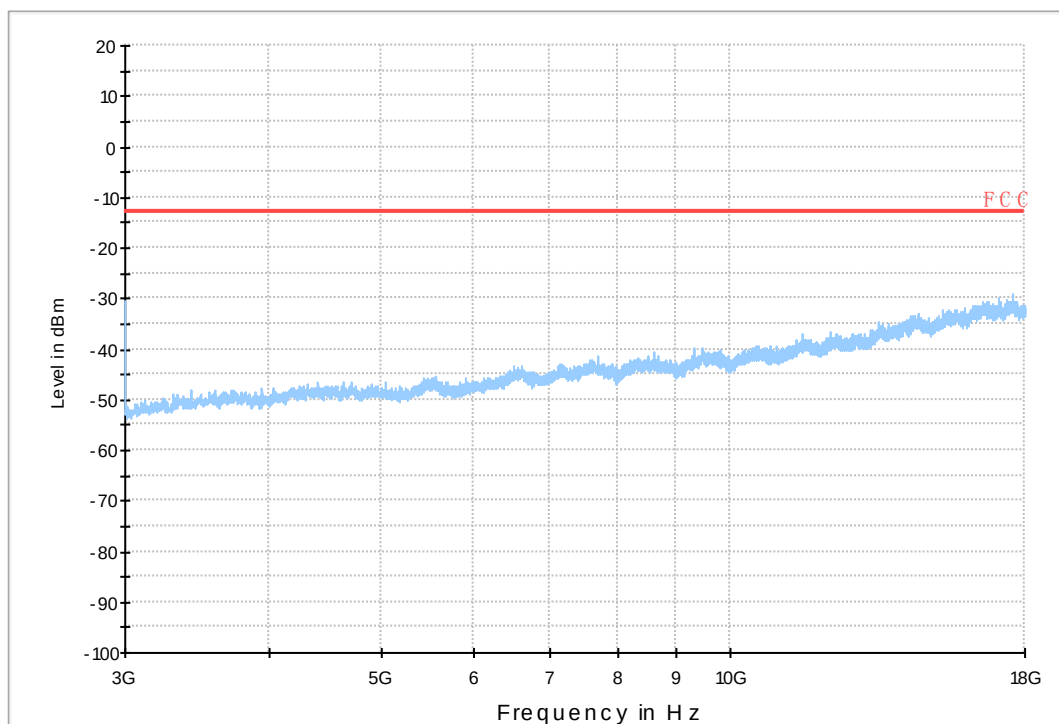
7.1.1.2 Test Bandwidth = 20



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
BAND2	LTE/TM1	1.4	LCH	TN	VL	-1.38	-0.00231	PASS
					VN	2.56	-0.00485	PASS
					VH	-6.07	-0.00572	PASS
			MCH	TN	VL	-15.01	-0.00798	PASS
					VN	-5.97	-0.00318	PASS
					VH	3.22	0.00171	PASS
			HCH	TN	VL	-18.97	-0.00994	PASS
					VN	-12.79	-0.0067	PASS
					VH	-4.61	-0.00241	PASS
		3	LCH	TN	VL	-7.11	-0.00384	PASS
					VN	-6.92	-0.00374	PASS
					VH	-5.39	-0.00291	PASS
			MCH	TN	VL	-3.99	-0.00212	PASS
					VN	-2.2	-0.00117	PASS
					VH	5.95	0.00316	PASS
			HCH	TN	VL	-13.9	-0.00728	PASS
					VN	-7.02	-0.00368	PASS
					VH	-0.56	-0.00029	PASS
		5	LCH	TN	VL	-2.49	-0.00134	PASS
					VN	-2.89	-0.00156	PASS
					VH	-2.76	-0.00149	PASS
			MCH	TN	VL	-8.17	-0.00435	PASS
					VN	-2.89	-0.00154	PASS
					VH	-3.16	-0.00168	PASS
			HCH	TN	VL	-3.26	-0.00171	PASS
					VN	-6.12	-0.00321	PASS
					VH	-1.49	-0.00078	PASS
		10	LCH	TN	VL	-3.88	-0.00209	PASS
					VN	-2.95	-0.00159	PASS
					VH	-0.72	-0.00039	PASS
			MCH	TN	VL	-0.29	-0.00015	PASS
					VN	-1.36	-0.00072	PASS
					VH	-0.8	-0.00043	PASS

			HCH	TN	VL	-3	-0.00157	PASS
					VN	-1.47	-0.00077	PASS
					VH	-2.2	-0.00115	PASS
		15	LCH	TN	VL	-1.82	-0.00098	PASS
					VN	-1.13	-0.00061	PASS
					VH	-2.35	-0.00127	PASS
			MCH	TN	VL	-2.63	-0.0014	PASS
					VN	-1.26	-0.00067	PASS
					VH	-3.81	-0.00203	PASS
			HCH	TN	VL	-1.87	-0.00098	PASS
					VN	-0.6	-0.00032	PASS
					VH	-4.61	-0.00242	PASS
		20	LCH	TN	VL	-2.2	-0.00118	PASS
					VN	-0.43	-0.00023	PASS
					VH	-1.29	-0.00069	PASS
			MCH	TN	VL	-2.27	-0.00121	PASS
					VN	-1.53	-0.00081	PASS
					VH	-2.56	-0.00136	PASS
			HCH	TN	VL	-2.02	-0.00106	PASS
					VN	-2.03	-0.00107	PASS
					VH	0.1	0.00005	PASS
	LTE/TM2	1.4	LCH	TN	VL	-0.99	-0.00053	PASS
					VN	3.28	0.00177	PASS
					VH	-4.75	-0.00257	PASS
			MCH	TN	VL	-11.42	-0.00607	PASS
					VN	7.45	0.00396	PASS
					VH	-14.86	-0.0079	PASS
			HCH	TN	VL	-21.73	-0.01138	PASS
					VN	-7.01	-0.00367	PASS
					VH	-2.43	-0.00127	PASS
		3	LCH	TN	VL	-0.29	-0.00016	PASS
					VN	-0.2	-0.00011	PASS
					VH	-12.13	-0.00655	PASS
			MCH	TN	VL	9.46	0.00503	PASS
					VN	-6.31	-0.00336	PASS
					VH	-3.16	-0.00168	PASS
			HCH	TN	VL	-1.47	-0.00077	PASS
					VN	4.72	0.00247	PASS
					VH	-5.88	-0.00308	PASS
		5	LCH	TN	VL	0.94	0.00051	PASS
					VN	-2.89	-0.00156	PASS

			MCH	TN	VH	2.76	0.00149	PASS
					VL	-1.63	-0.00087	PASS
					VN	-1.03	-0.00055	PASS
					VH	-0.82	-0.00044	PASS
			HCH	TN	VL	-2.37	-0.00124	PASS
					VN	-1.79	-0.00094	PASS
					VH	-0.41	-0.00021	PASS
					VL	-3.22	-0.00174	PASS
		10	LCH	TN	VN	-1.29	-0.0007	PASS
					VH	-2.96	-0.0016	PASS
					VL	-0.21	-0.00011	PASS
			MCH	TN	VN	2.63	0.0014	PASS
					VH	-2.53	-0.00135	PASS
					VL	-2.69	-0.00141	PASS
			HCH	TN	VN	-2.05	-0.00108	PASS
					VH	1.12	0.00059	PASS
					VL	-0.53	-0.00029	PASS
		15	LCH	TN	VN	-1.36	-0.00073	PASS
					VH	-1.07	-0.00058	PASS
					VL	1.26	0.00067	PASS
			MCH	TN	VN	-1.75	-0.00093	PASS
					VH	-0.14	-0.00007	PASS
					VL	-1.06	-0.00056	PASS
			HCH	TN	VN	-0.83	-0.00044	PASS
					VH	-0.97	-0.00051	PASS
					VL	-0.47	-0.00025	PASS
		20	LCH	TN	VN	0.46	0.00025	PASS
					VH	-1	-0.00054	PASS
					VL	-2.45	-0.0013	PASS
			MCH	TN	VN	-0.73	-0.00039	PASS
					VH	0.23	0.00012	PASS
					VL	0.07	0.00004	PASS
			HCH	TN	VN	-0.86	-0.00045	PASS
					VH	-0.79	-0.00042	PASS
					VL	-0.79	-0.00042	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
BAND2	LTE/TM1	1.4	LCH	VN	-30	-0.37	-0.00039	PASS
					-20	1.25	0.00048	PASS
					-10	0.66	0.00016	PASS
					0	0.92	0.0003	PASS
					10	0.26	-0.00005	PASS
					20	0.39	0.00002	PASS
					30	0.88	0.00028	PASS
					40	-0.1	-0.00025	PASS
					50	0.42	0.00003	PASS
			MCH	VN	-30	0.08	-0.00015	PASS
					-20	-1.53	-0.00101	PASS
					-10	-0.48	-0.00045	PASS
					0	-1.03	-0.00074	PASS
					10	-0.24	-0.00032	PASS
					20	-1.44	-0.00096	PASS
					30	-0.45	-0.00043	PASS
					40	0.5	0.00007	PASS
					50	-0.57	-0.0005	PASS
			HCH	VN	-30	-0.51	-0.00046	PASS
					-20	-0.47	-0.00044	PASS
					-10	-1.2	-0.00082	PASS
					0	0.38	0	PASS
					10	-0.4	-0.0004	PASS
					20	0.12	-0.00013	PASS
					30	-1.05	-0.00074	PASS
					40	-0.7	-0.00056	PASS
					50	-1.45	-0.00095	PASS
		3	LCH	VN	-30	-5.86	-0.00338	PASS
					-20	8.18	0.0042	PASS
					-10	-1.34	-0.00094	PASS
					0	9.37	0.00484	PASS
					10	-2.17	-0.00139	PASS
					20	-0.41	-0.00044	PASS
					30	-0.4	-0.00043	PASS
					40	0.37	-0.00002	PASS
					50	-1.54	-0.00105	PASS
			MCH	VN	-30	1.39	0.00052	PASS

					-20	-6.64	-0.00375	PASS
					-10	-1.63	-0.00108	PASS
					0	-3	-0.00181	PASS
					10	-0.96	-0.00073	PASS
					20	1.6	0.00064	PASS
					30	1.56	0.00061	PASS
					40	2.56	0.00115	PASS
					50	-2.69	-0.00165	PASS
			HCH	VN	-30	-1.84	-0.00118	PASS
					-20	-1.64	-0.00108	PASS
					-10	-5.99	-0.00335	PASS
					0	-0.61	-0.00054	PASS
					10	-2.43	-0.00149	PASS
					20	-4.92	-0.00279	PASS
					30	-2.36	-0.00145	PASS
					40	2.02	0.00084	PASS
					50	-0.36	-0.0004	PASS
		5	LCH	VN	-30	-4.48	-0.00263	PASS
					-20	7.9	0.00405	PASS
					-10	1.66	0.00073	PASS
					0	-2.31	-0.00141	PASS
					10	-1.03	-0.00072	PASS
					20	-5.3	-0.00303	PASS
					30	-0.49	-0.00043	PASS
					40	-2.06	-0.00128	PASS
					50	4.6	0.00232	PASS
			MCH	VN	-30	2.74	0.00129	PASS
					-20	-4.47	-0.00255	PASS
					-10	-0.9	-0.00065	PASS
					0	-5.07	-0.00286	PASS
					10	-9.14	-0.00503	PASS
					20	-3.42	-0.00199	PASS
					30	4.72	0.00234	PASS
					40	-1.63	-0.00104	PASS
					50	-3.87	-0.00223	PASS
			HCH	VN	-30	0.43	0.00006	PASS
					-20	-3.45	-0.00198	PASS
					-10	-3.38	-0.00194	PASS
					0	-4.79	-0.00268	PASS
					10	-7.57	-0.00414	PASS
					20	-9.49	-0.00514	PASS

					30	-6.3	-0.00347	PASS
					40	-2.51	-0.00148	PASS
					50	-5.54	-0.00307	PASS
					-30	-9.4	-0.00511	PASS
					-20	18.28	0.00982	PASS
					-10	10.77	0.00577	PASS
					0	6.77	0.00361	PASS
					10	1.56	0.0008	PASS
					20	2.17	0.00113	PASS
					30	2.99	0.00157	PASS
					40	0.07	0	PASS
					50	-0.89	-0.00051	PASS
					-30	-11.87	-0.00635	PASS
					-20	-7.67	-0.00412	PASS
					-10	5.71	0.003	PASS
					0	-4.63	-0.0025	PASS
					10	-18.95	-0.01012	PASS
					20	-0.8	-0.00047	PASS
					30	-1.36	-0.00076	PASS
					40	2.63	0.00136	PASS
					50	-1.89	-0.00105	PASS
					-30	3.61	0.00185	PASS
					-20	-1.3	-0.00072	PASS
					-10	1.2	0.00059	PASS
					0	0.4	0.00017	PASS
					10	1.32	0.00065	PASS
					20	0.36	0.00015	PASS
					30	0.26	0.00009	PASS
					40	-1.99	-0.00109	PASS
					50	-0.89	-0.00051	PASS
					-30	-4.82	-0.00263	PASS
					-20	-5.45	-0.00297	PASS
					-10	-3.82	-0.0021	PASS
					0	-4.21	-0.0023	PASS
					10	-2.13	-0.00119	PASS
					20	-4.73	-0.00258	PASS
					30	-4.09	-0.00224	PASS
					40	-2.82	-0.00156	PASS
					50	-1.63	-0.00092	PASS
					-30	-31.04	-0.01655	PASS
					-20	-2.8	-0.00153	PASS

					-10	-29.04	-0.01549	PASS
					0	-76.93	-0.04096	PASS
					10	-18.02	-0.00963	PASS
					20	44.2	0.02347	PASS
					30	-23.77	-0.01268	PASS
					40	-85.33	-0.04543	PASS
					50	-182.39	-0.09706	PASS
			HCH	VN	-30	-1.62	-0.00089	PASS
					-20	-3.59	-0.00193	PASS
					-10	-1.02	-0.00058	PASS
					0	-1.12	-0.00063	PASS
					10	-1.8	-0.00099	PASS
					20	-4.26	-0.00228	PASS
					30	-2.4	-0.0013	PASS
					40	-4.16	-0.00223	PASS
					50	-4.99	-0.00267	PASS
		20	LCH	VN	-30	20.06	0.01075	PASS
					-20	5.02	0.00266	PASS
					-10	-12.14	-0.00657	PASS
					0	-1.76	-0.00098	PASS
					10	13.59	0.00727	PASS
					20	-46.1	-0.02482	PASS
					30	4.19	0.00221	PASS
					40	-67.25	-0.03619	PASS
					50	3.53	0.00186	PASS
			MCH	VN	-30	-14.63	-0.00782	PASS
					-20	-13.8	-0.00738	PASS
					-10	65.2	0.03464	PASS
					0	-27.74	-0.0148	PASS
					10	24.79	0.01315	PASS
					20	-8.33	-0.00447	PASS
					30	40.66	0.02159	PASS
					40	-12.14	-0.0065	PASS
					50	-1.96	-0.00108	PASS
			HCH	VN	-30	-4.19	-0.00225	PASS
					-20	-0.43	-0.00027	PASS
					-10	0.37	0.00015	PASS
					0	0.37	0.00015	PASS
					10	-0.59	-0.00035	PASS
					20	-2	-0.00109	PASS
					30	0.49	0.00022	PASS

	LTE/TM2	1.4	LCH	VN	40	-2.75	-0.00149	PASS
					50	-0.64	-0.00038	PASS
					-30	0.43	0.00019	PASS
					-20	1.67	0.00086	PASS
					-10	1.65	0.00085	PASS
					0	1.75	0.00091	PASS
					10	1.33	0.00068	PASS
					20	1.79	0.00093	PASS
					30	1	0.0005	PASS
					40	1.86	0.00097	PASS
			MCH	VN	50	1.59	0.00082	PASS
					-30	-0.16	-0.00013	PASS
					-20	-0.2	-0.00015	PASS
					-10	-0.23	-0.00016	PASS
					0	-1.37	-0.00077	PASS
					10	-1.96	-0.00108	PASS
					20	-0.5	-0.00031	PASS
					30	-0.84	-0.00049	PASS
					40	-1.74	-0.00097	PASS
					50	-1.9	-0.00105	PASS
			HCH	VN	-30	-0.61	-0.00036	PASS
					-20	-1.49	-0.00082	PASS
					-10	-0.24	-0.00017	PASS
					0	-0.89	-0.00051	PASS
					10	-2.49	-0.00135	PASS
					20	-1.34	-0.00074	PASS
					30	-2.32	-0.00126	PASS
					40	-1.87	-0.00102	PASS
					50	-1.73	-0.00095	PASS
		3	LCH	VN	-30	-4.46	-0.00245	PASS
					-20	4.26	0.00226	PASS
					-10	1.99	0.00104	PASS
					0	0.73	0.00036	PASS
					10	2.02	0.00105	PASS
					20	-0.36	-0.00023	PASS
					30	-11.42	-0.00621	PASS
					40	-3.23	-0.00178	PASS
					50	-1.19	-0.00068	PASS
			MCH	VN	-30	-2.56	-0.0014	PASS
					-20	0.44	0.00019	PASS
					-10	0.09	0.00001	PASS

					0	5.08	0.00266	PASS
					10	-2.03	-0.00112	PASS
					20	-11.37	-0.00609	PASS
					30	-4.15	-0.00251	PASS
					40	-2.89	-0.00184	PASS
					50	-2.5	-0.00164	PASS
			HCH	VN	-30	-3.45	-0.00211	PASS
					-20	-0.39	-0.00051	PASS
					-10	-0.39	-0.00051	PASS
					0	0.84	0.00014	PASS
					10	-1.36	-0.00102	PASS
					20	-0.04	-0.00033	PASS
					30	0.6	0.00001	PASS
					40	-4.71	-0.00277	PASS
					50	0.53	-0.00003	PASS
		5	LCH	VN	-30	1.03	0.00025	PASS
					-20	-0.64	-0.00065	PASS
					-10	2.8	0.0012	PASS
					0	1.83	0.00068	PASS
					10	1.97	0.00076	PASS
					20	-1.87	-0.00132	PASS
					30	2.07	0.00081	PASS
					40	-0.93	-0.00079	PASS
					50	4.79	0.0023	PASS
			MCH	VN	-30	-2.92	-0.00184	PASS
					-20	2.45	0.00102	PASS
					-10	3.16	0.0014	PASS
					0	1.12	0.00031	PASS
					10	1.2	0.00035	PASS
					20	0.43	-0.00006	PASS
					30	5.42	0.0026	PASS
					40	-0.2	-0.00039	PASS
					50	-1.41	-0.00104	PASS
			HCH	VN	-30	-0.5	-0.00055	PASS
					-20	-1.28	-0.00095	PASS
					-10	-5.18	-0.003	PASS
					0	-2.06	-0.00136	PASS
					10	0.25	-0.00015	PASS
					20	-2.13	-0.0014	PASS
					30	-0.14	-0.00036	PASS
					40	-1.16	-0.00089	PASS

		10	LCH	VN	50	2.38	0.00096	PASS
					-30	1	0.00025	PASS
					-20	2.66	0.0013	PASS
					-10	-1.6	-0.00099	PASS
					0	-0.33	-0.00031	PASS
					10	1.09	0.00046	PASS
					20	-17.73	-0.00969	PASS
					30	-2.46	-0.00146	PASS
					40	-1.16	-0.00076	PASS
					50	29.41	0.01572	PASS
			MCH	VN	-30	-0.54	-0.00042	PASS
					-20	-1.95	-0.00117	PASS
					-10	-1.69	-0.00103	PASS
					0	-1.02	-0.00067	PASS
					10	1.17	0.00049	PASS
					20	3.19	0.00157	PASS
					30	3.05	0.00149	PASS
					40	-0.6	-0.00045	PASS
					50	-4.12	-0.00232	PASS
			HCH	VN	-30	-2.05	-0.00121	PASS
					-20	-1.29	-0.00081	PASS
					-10	0.21	-0.00002	PASS
					0	-0.23	-0.00025	PASS
					10	1.6	0.00071	PASS
					20	1.46	0.00063	PASS
					30	-0.76	-0.00053	PASS
					40	3.72	0.00182	PASS
					50	-0.14	-0.00021	PASS
		15	LCH	VN	-30	-1.71	-0.00113	PASS
					-20	-4.41	-0.00258	PASS
					-10	-0.61	-0.00054	PASS
					0	6.2	0.00313	PASS
					10	2.32	0.00104	PASS
					20	-2.9	-0.00177	PASS
					30	-3.3	-0.00199	PASS
					40	-1.37	-0.00095	PASS
					50	1.79	0.00075	PASS
			MCH	VN	-30	2.07	0.00089	PASS
					-20	-2.18	-0.00137	PASS
					-10	-1.01	-0.00075	PASS
					0	-1.02	-0.00075	PASS

					10	-1.51	-0.00101	PASS
					20	-1.98	-0.00126	PASS
					30	0.15	-0.00013	PASS
					40	0.05	-0.00018	PASS
					50	-3.66	-0.00216	PASS
			HCH	VN	-30	1.97	0.00082	PASS
					-20	-0.57	-0.00051	PASS
					-10	-1.05	-0.00076	PASS
					0	-4.27	-0.00245	PASS
					10	-1.61	-0.00106	PASS
					20	-1.24	-0.00086	PASS
					30	-0.35	-0.00039	PASS
					40	-1.55	-0.00103	PASS
					50	-0.08	-0.00025	PASS
		20	LCH	VN	-30	23.18	0.01225	PASS
					-20	26.2	0.01388	PASS
					-10	-14.34	-0.00792	PASS
					0	-4.43	-0.00259	PASS
					10	-0.14	-0.00033	PASS
					20	48.59	0.02587	PASS
					30	57.64	0.03074	PASS
					40	-11.49	-0.00643	PASS
					50	74.1	0.03958	PASS
			MCH	VN	-30	19.63	0.01019	PASS
					-20	54.57	0.02877	PASS
					-10	-62.57	-0.03354	PASS
					0	-80.9	-0.04329	PASS
					10	13.86	0.00712	PASS
					20	4.82	0.00231	PASS
					30	-0.06	-0.00029	PASS
					40	19.64	0.01019	PASS
					50	-43.62	-0.02346	PASS
			HCH	VN	-30	-1.26	-0.00092	PASS
					-20	-0.29	-0.00041	PASS
					-10	-2.25	-0.00144	PASS
					0	-1.17	-0.00087	PASS
					10	0.82	0.00018	PASS
					20	-1.97	-0.00129	PASS
					30	-0.62	-0.00058	PASS
					40	-1.59	-0.00109	PASS
					50	-3.93	-0.00232	PASS



END