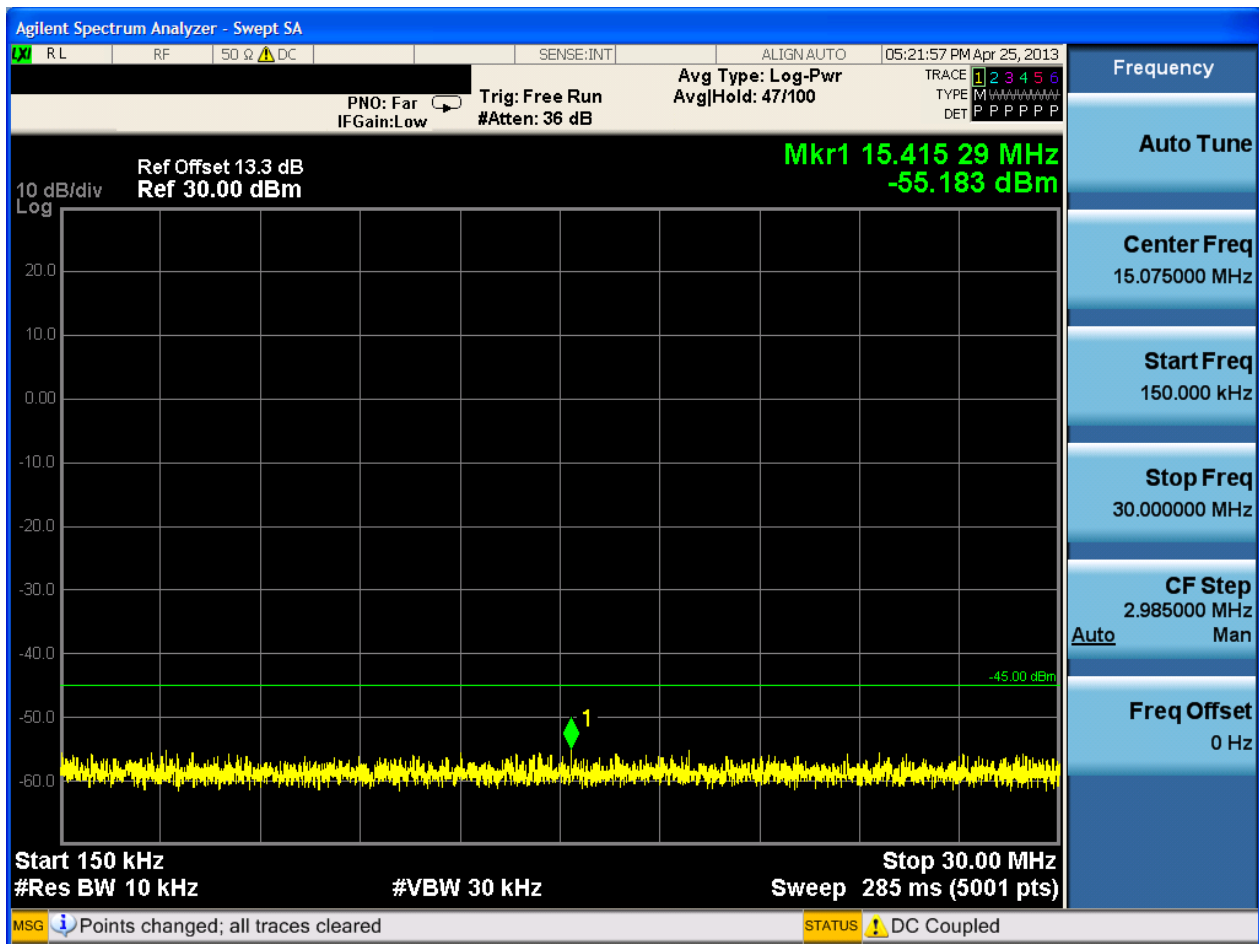
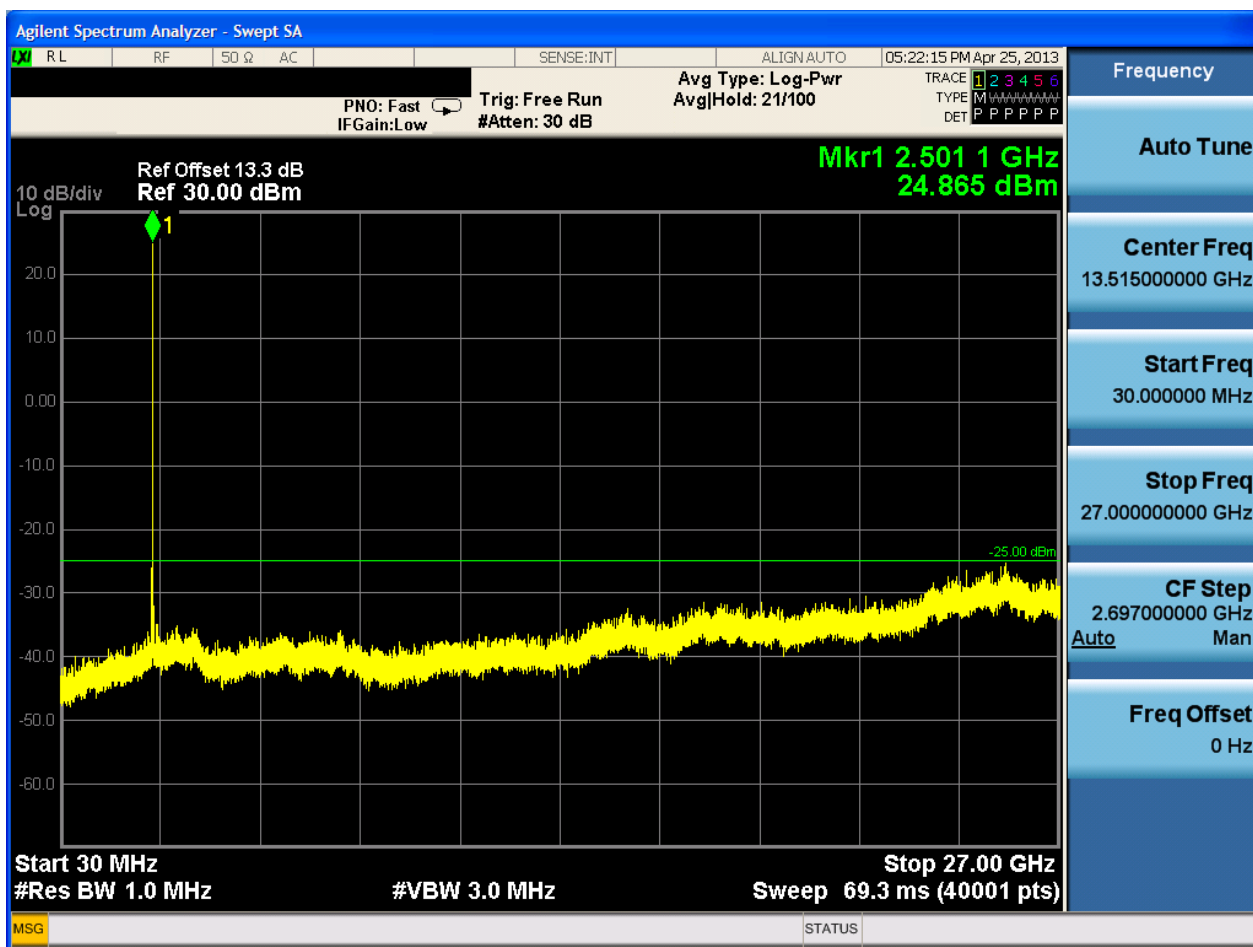




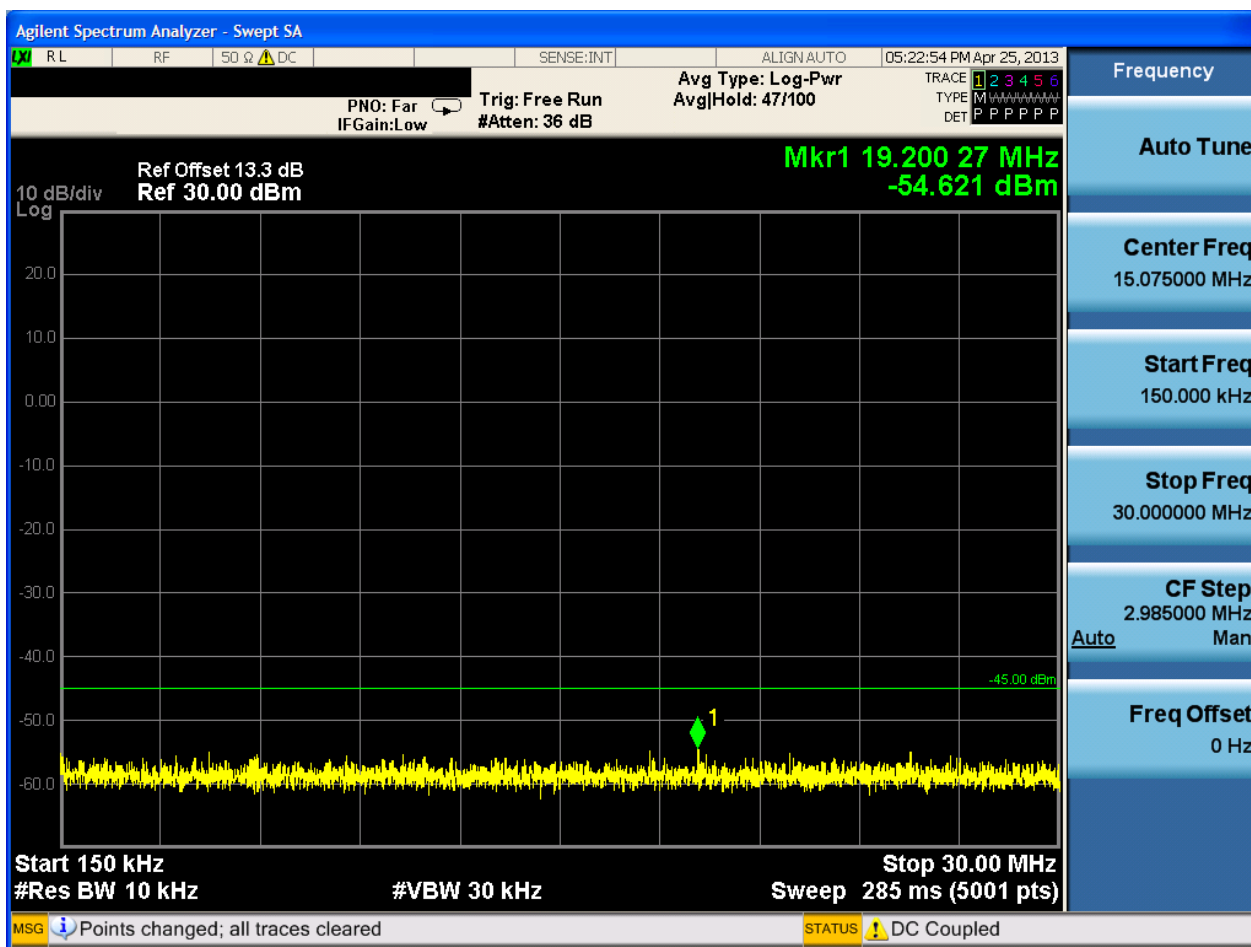


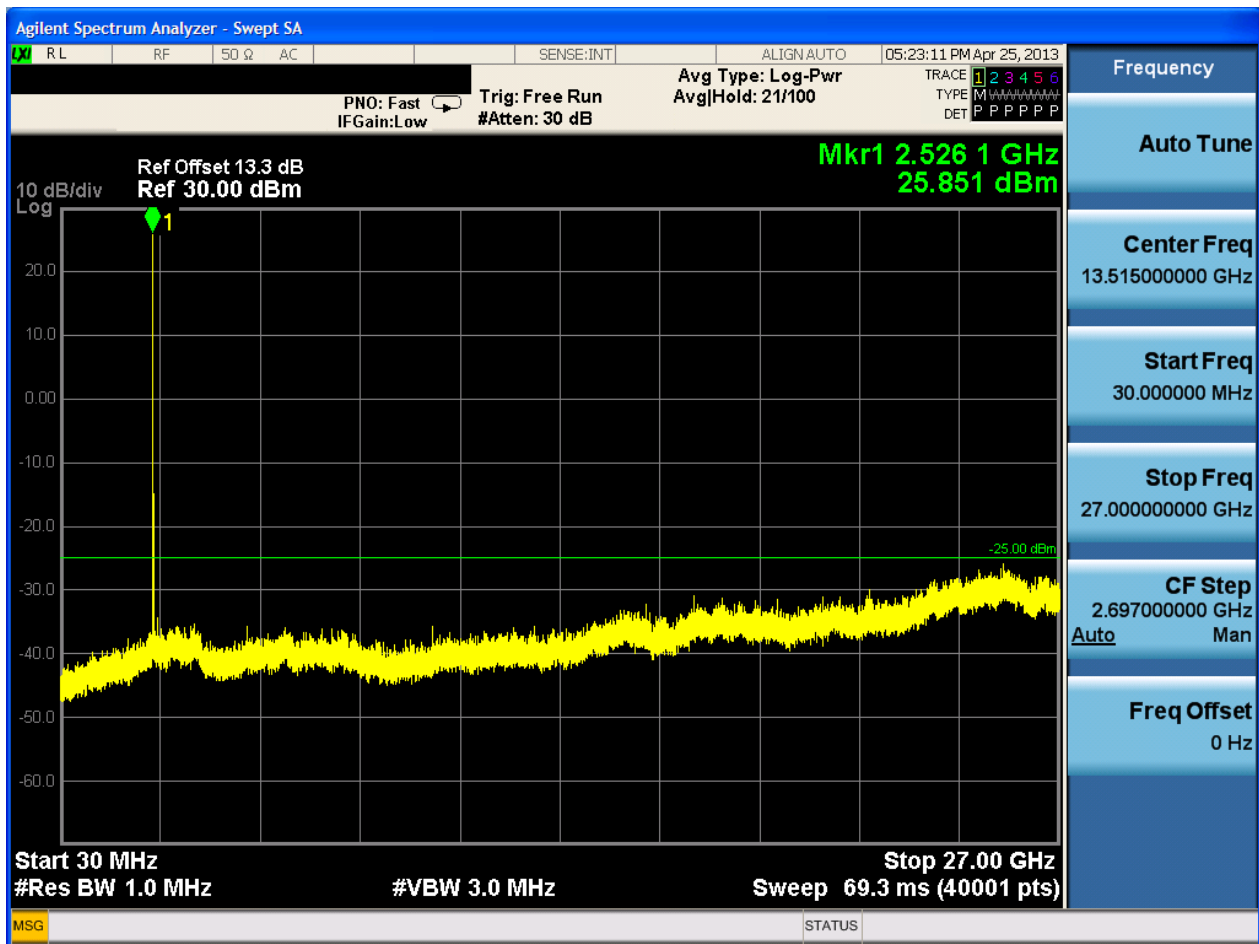


6.3.2.1.4.2 Test Channel = HCH

6.3.2.1.4.2.1 Test RB = RB1#0

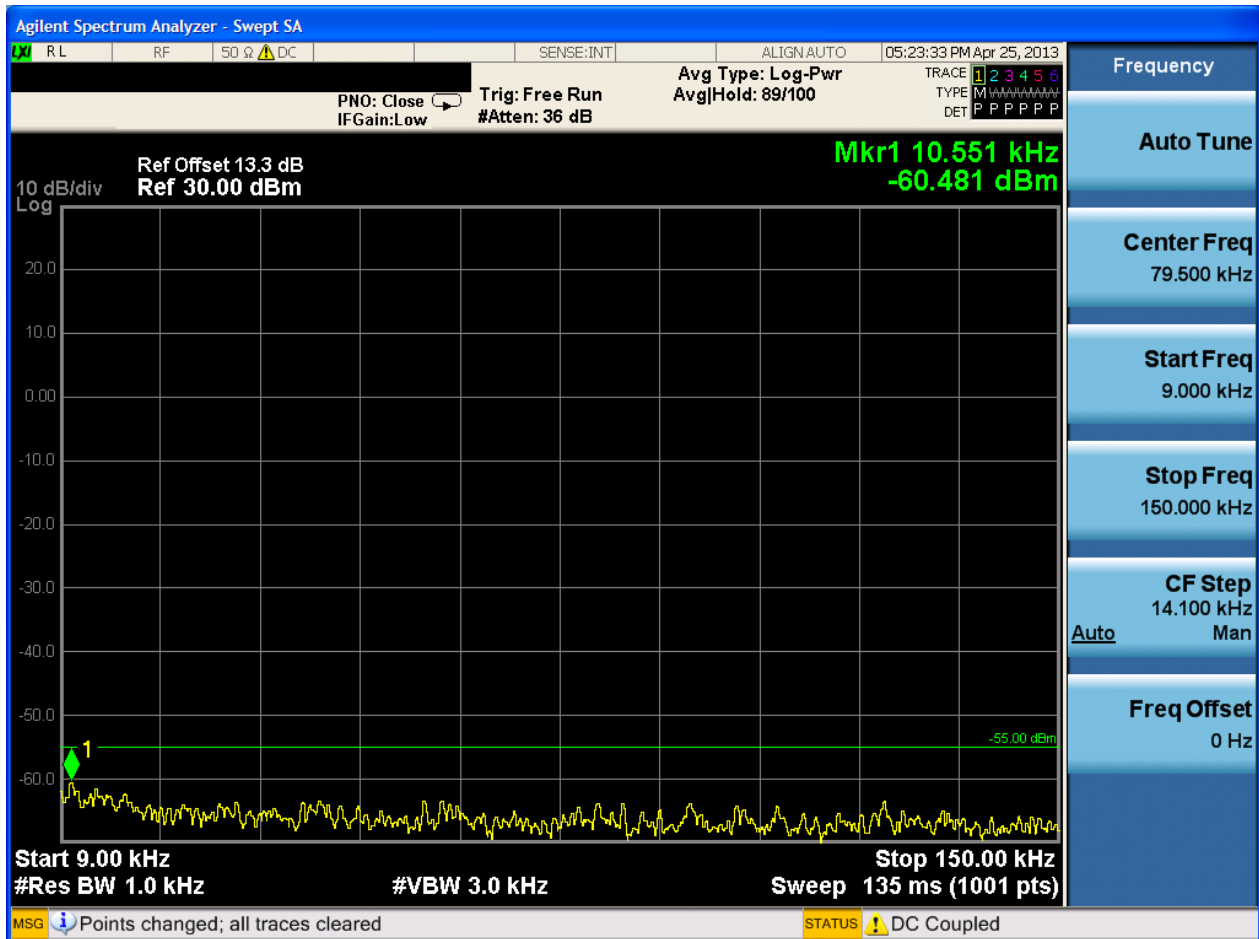


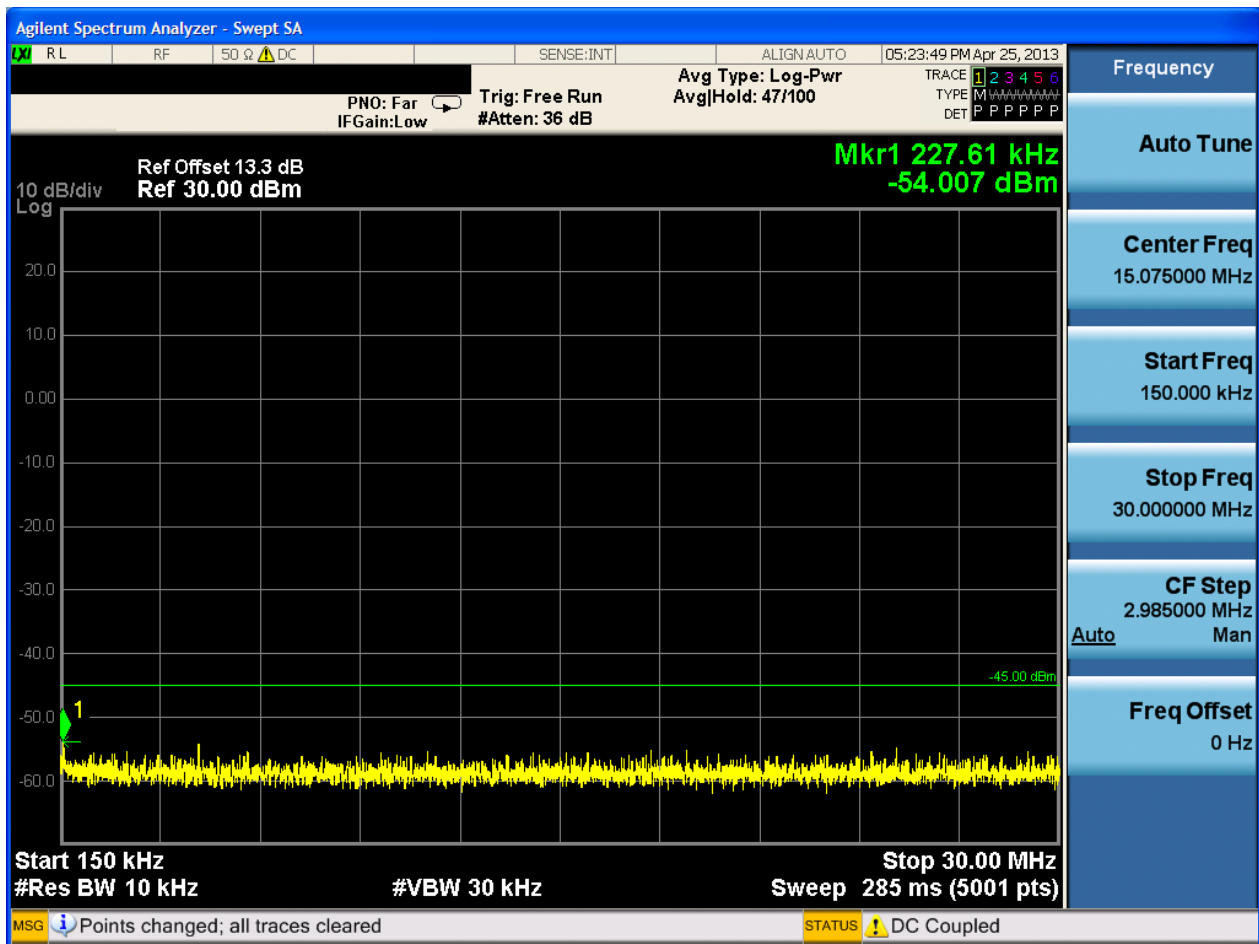


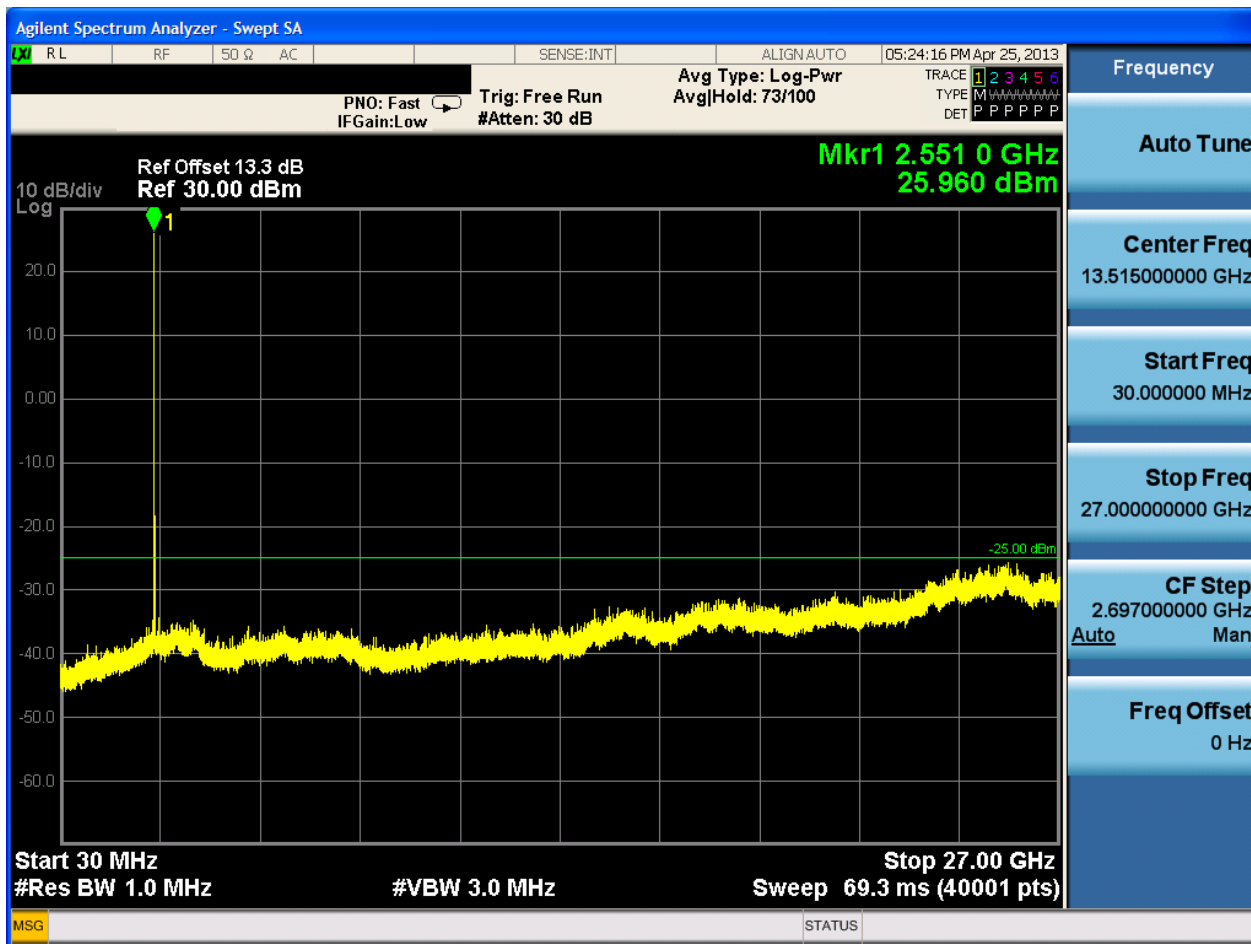


6.3.2.1.4.3 Test Channel = MCH

6.3.2.1.4.3.1 Test RB = RB1#0







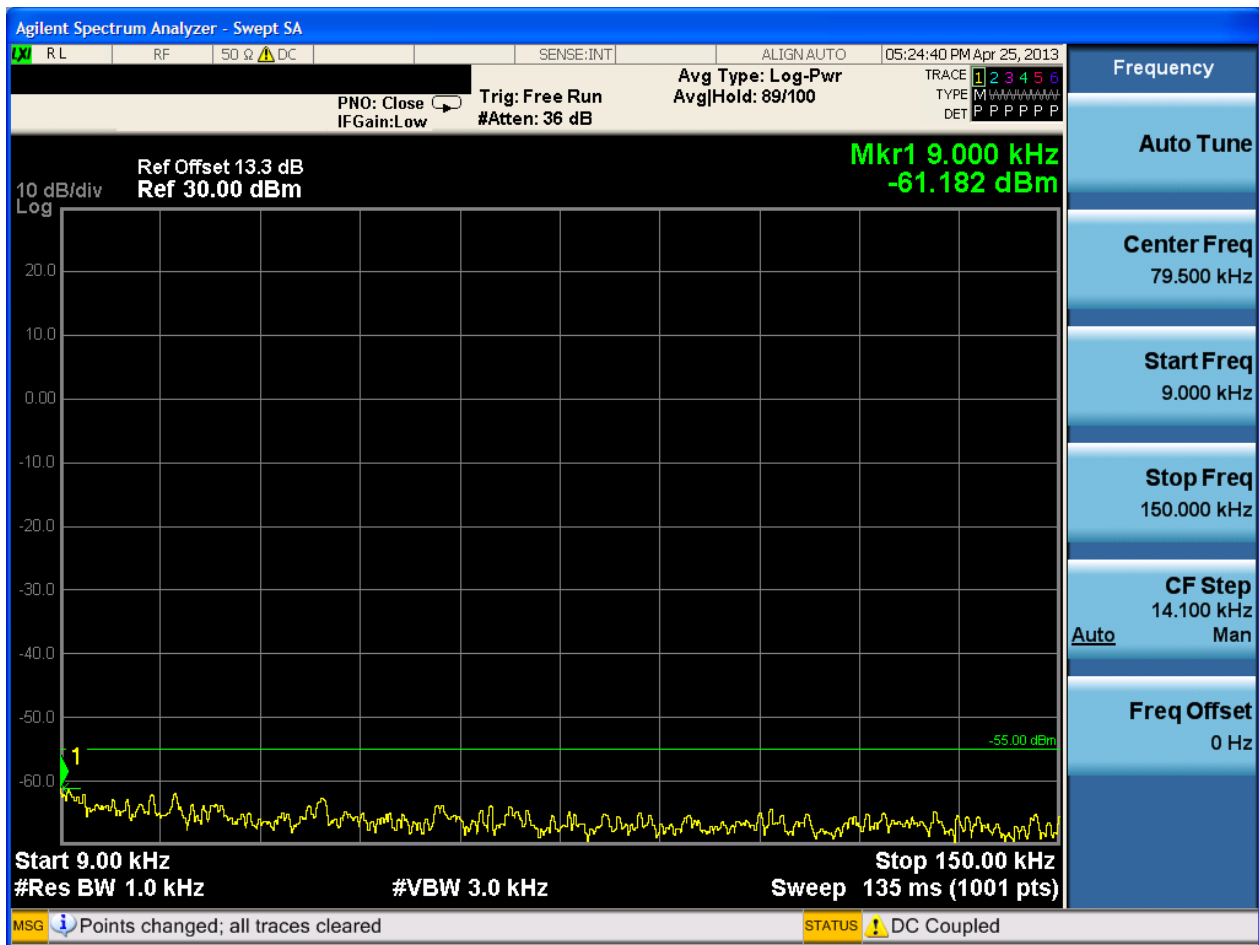


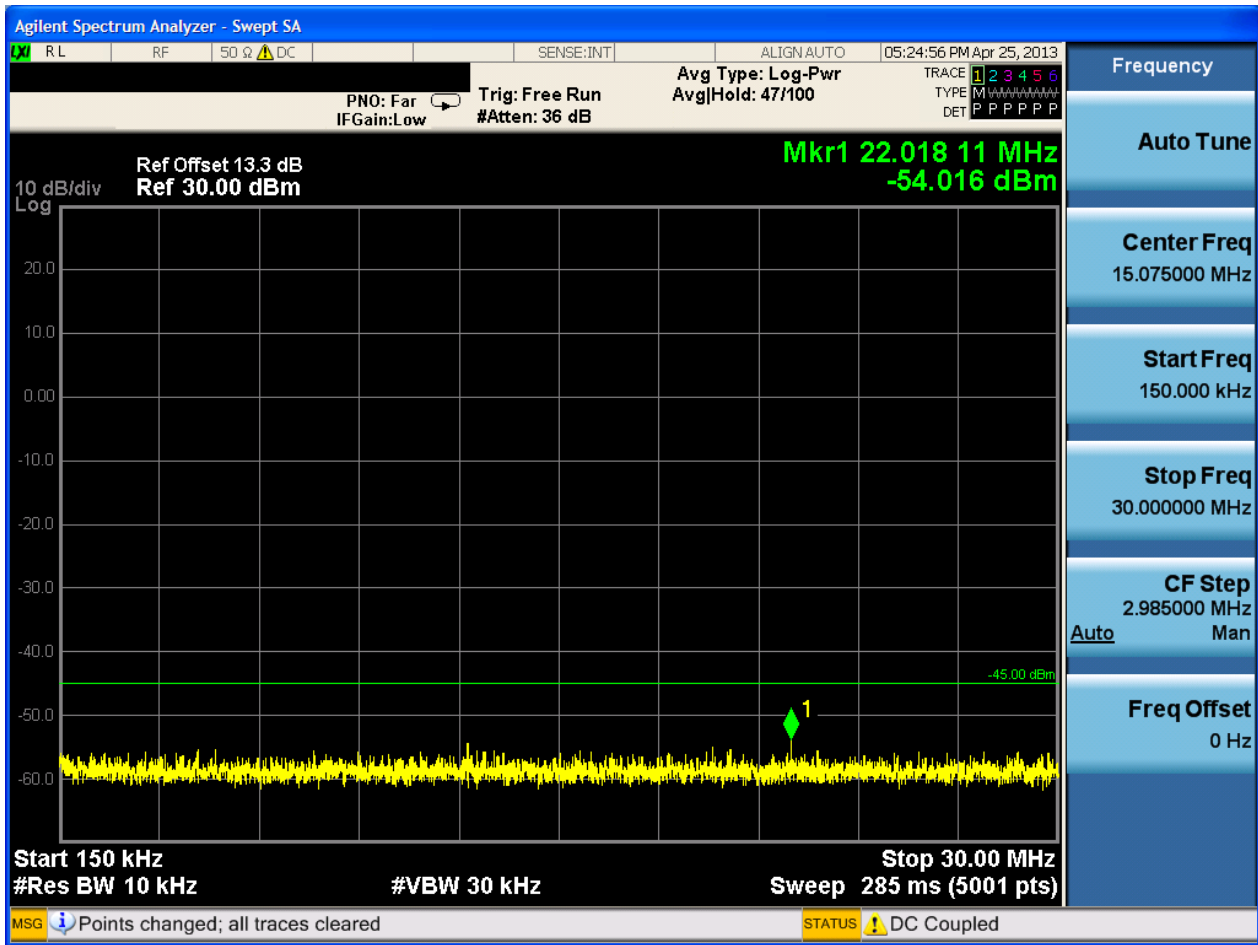
6.3.2.2 Test Mode = LTE/TM2

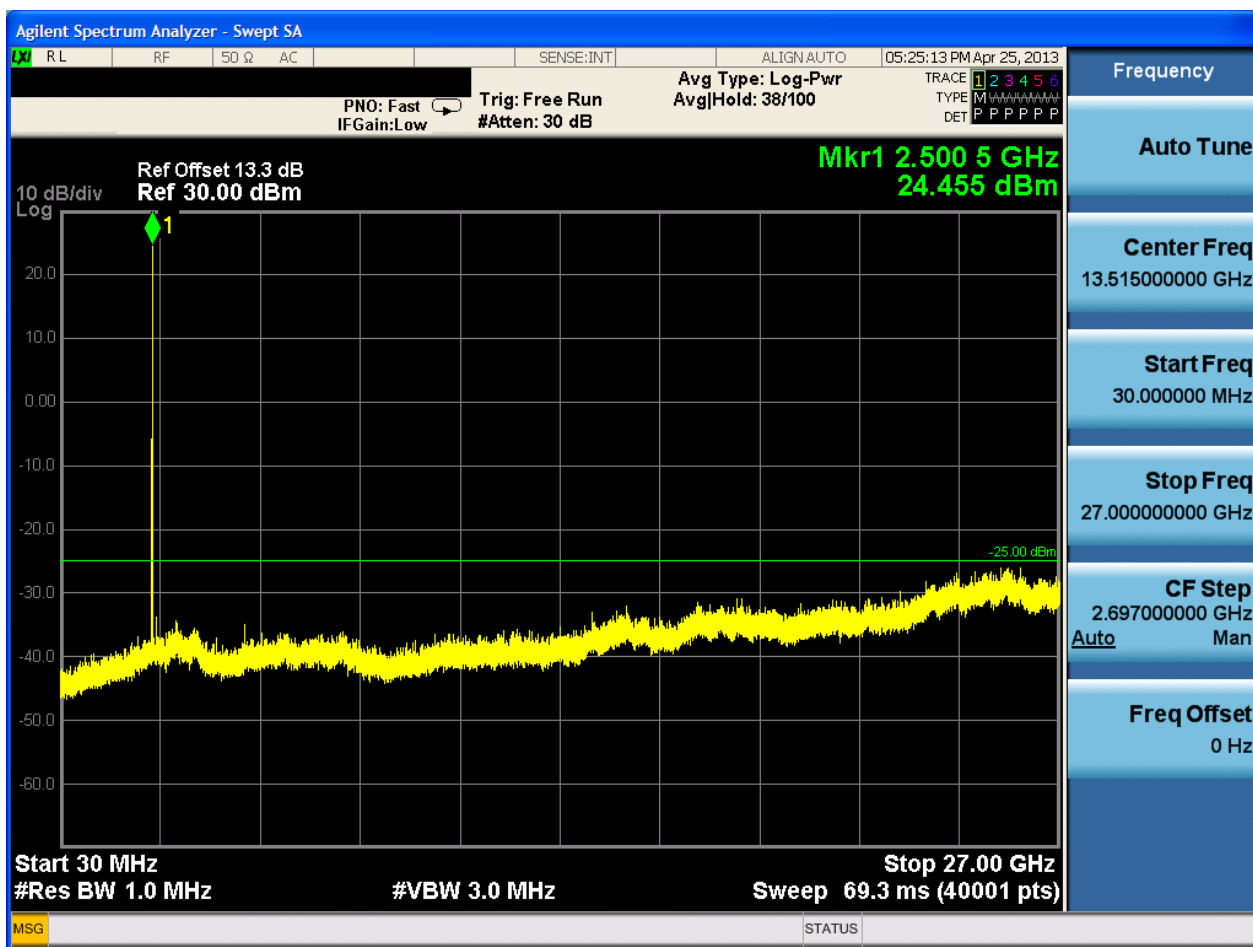
6.3.2.2.1 Test Bandwidth = 5

6.3.2.2.1.1 Test Channel = LCH

6.3.2.2.1.1.1 Test RB = RB1#0



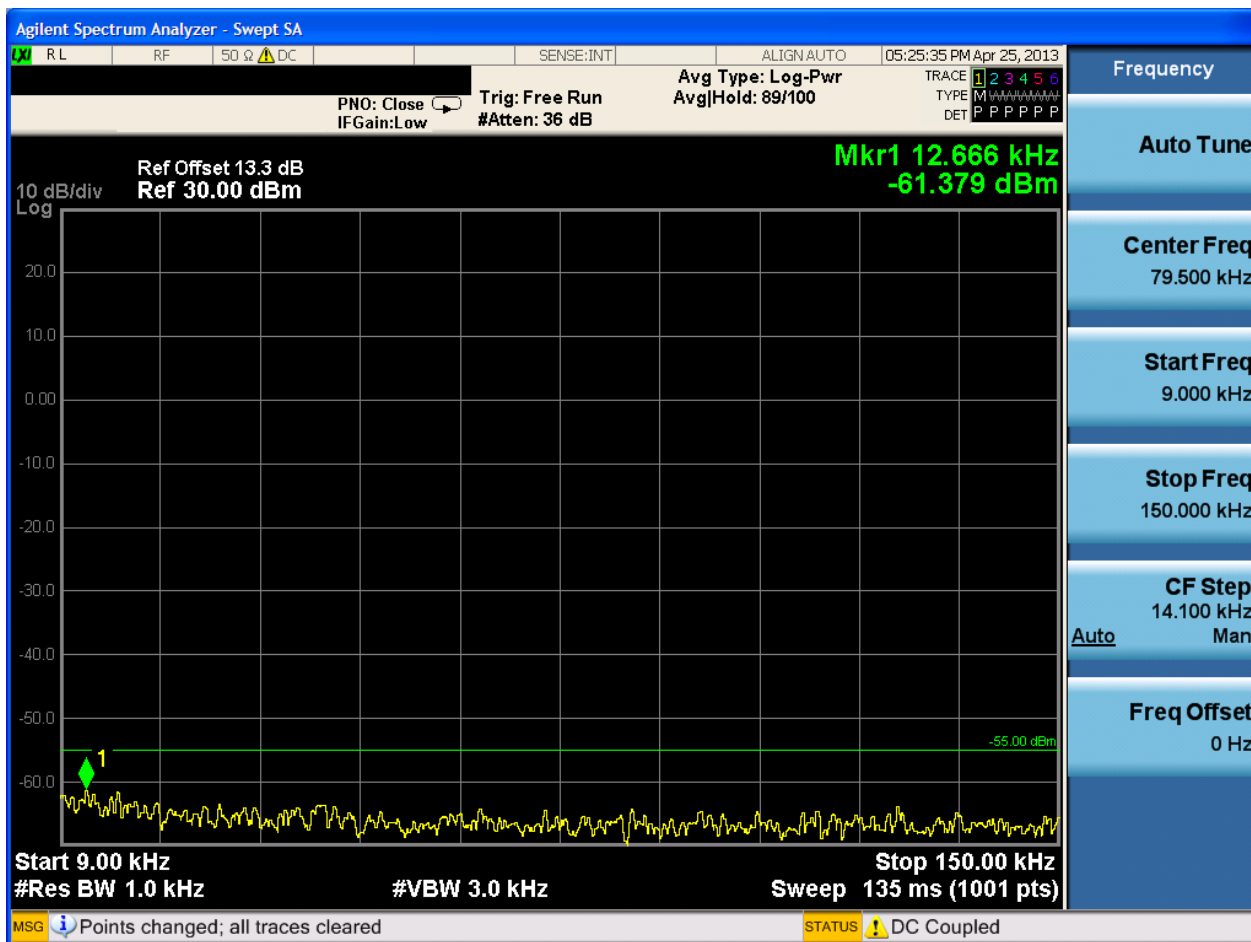


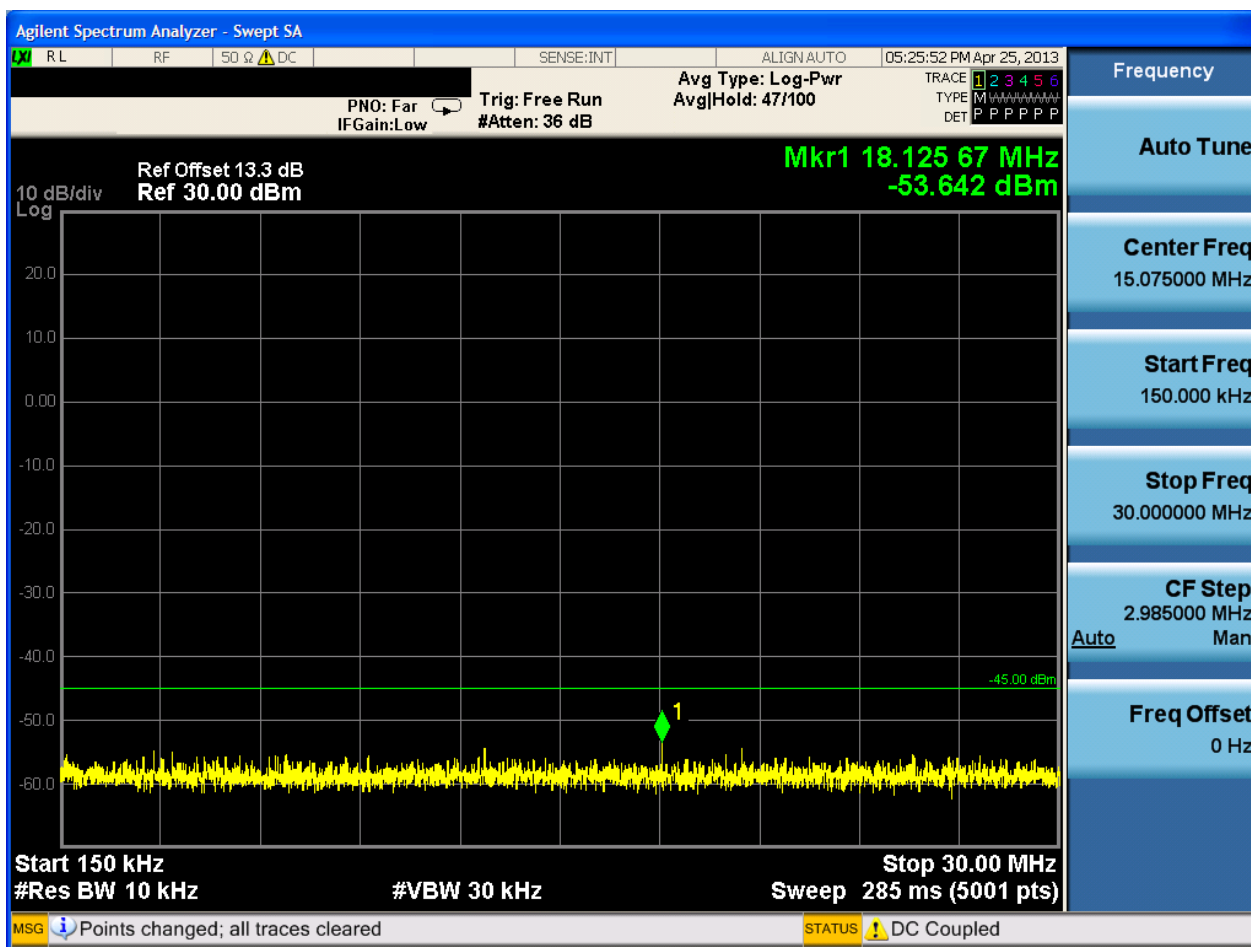


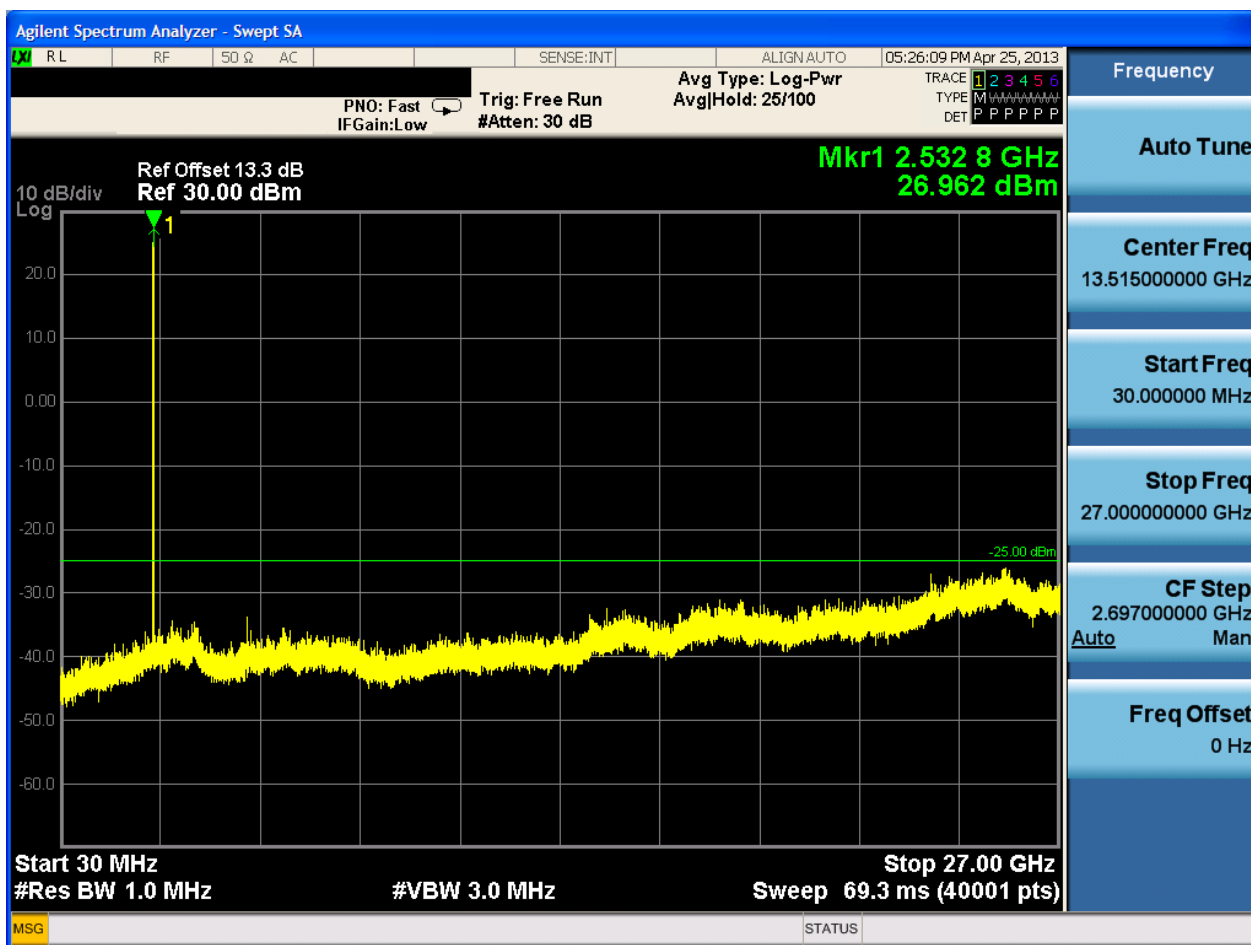


6.3.2.2.1.2 Test Channel = HCH

6.3.2.2.1.2.1 Test RB = RB1#0



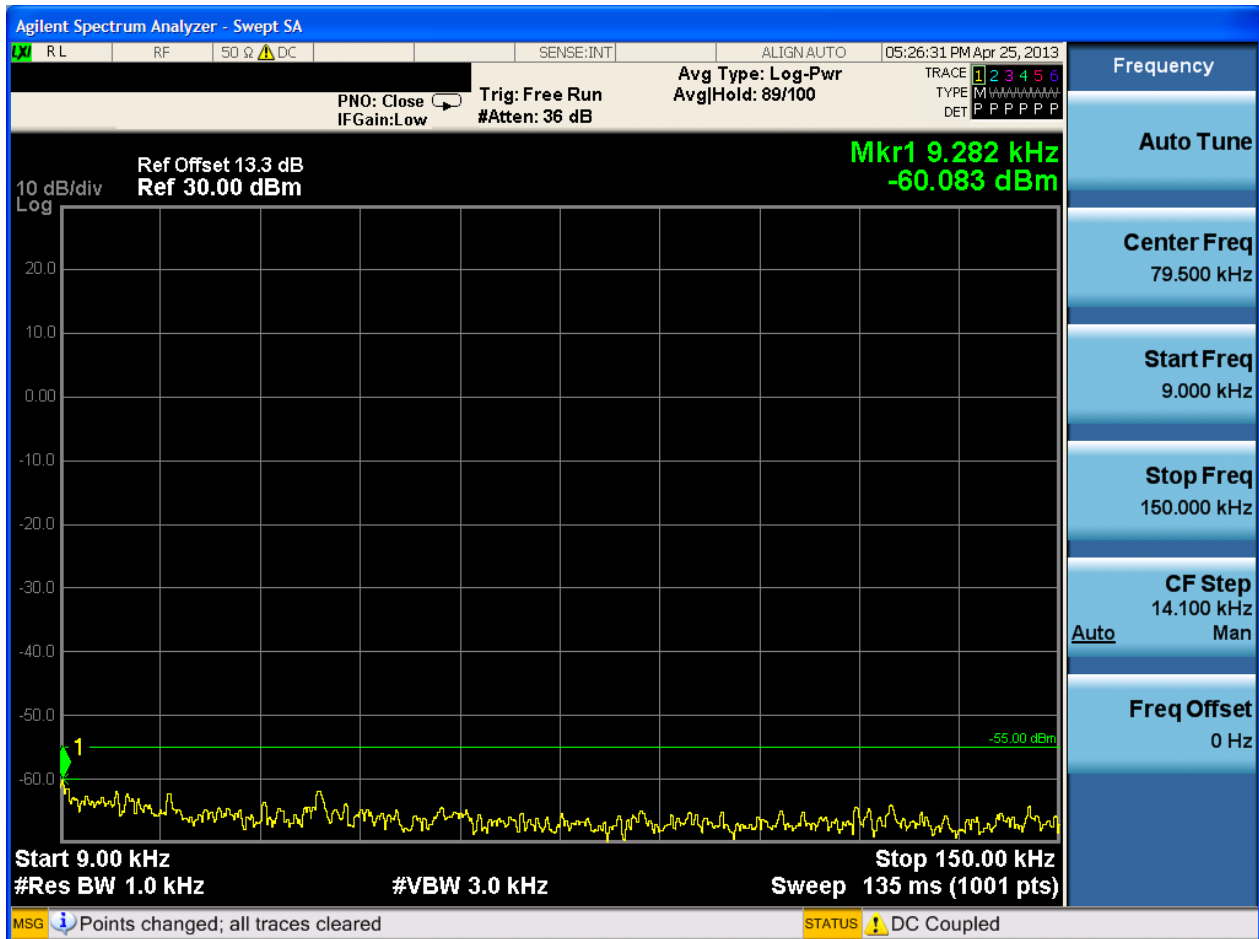


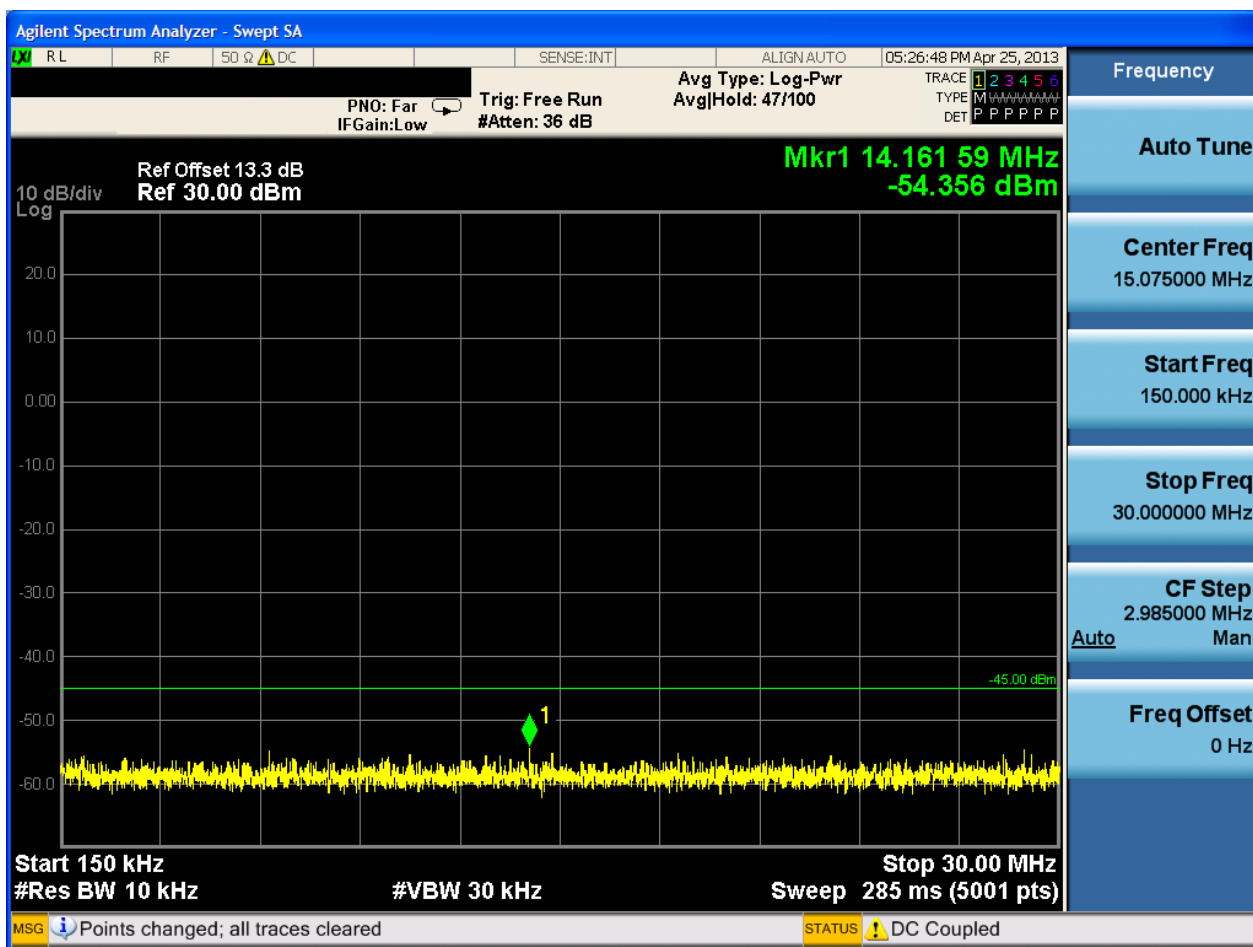


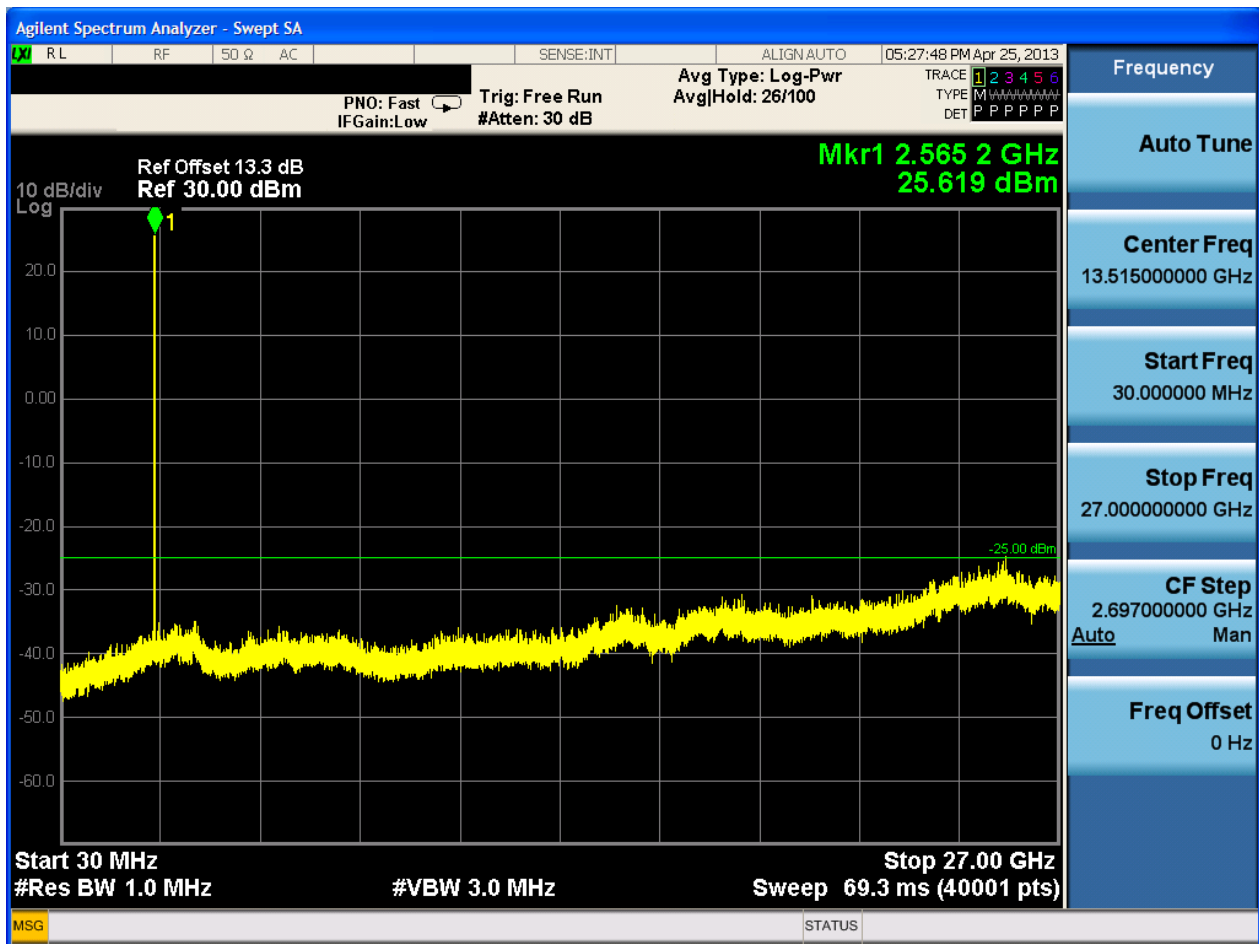


6.3.2.2.1.3 Test Channel = MCH

6.3.2.2.1.3.1 Test RB = RB1#0





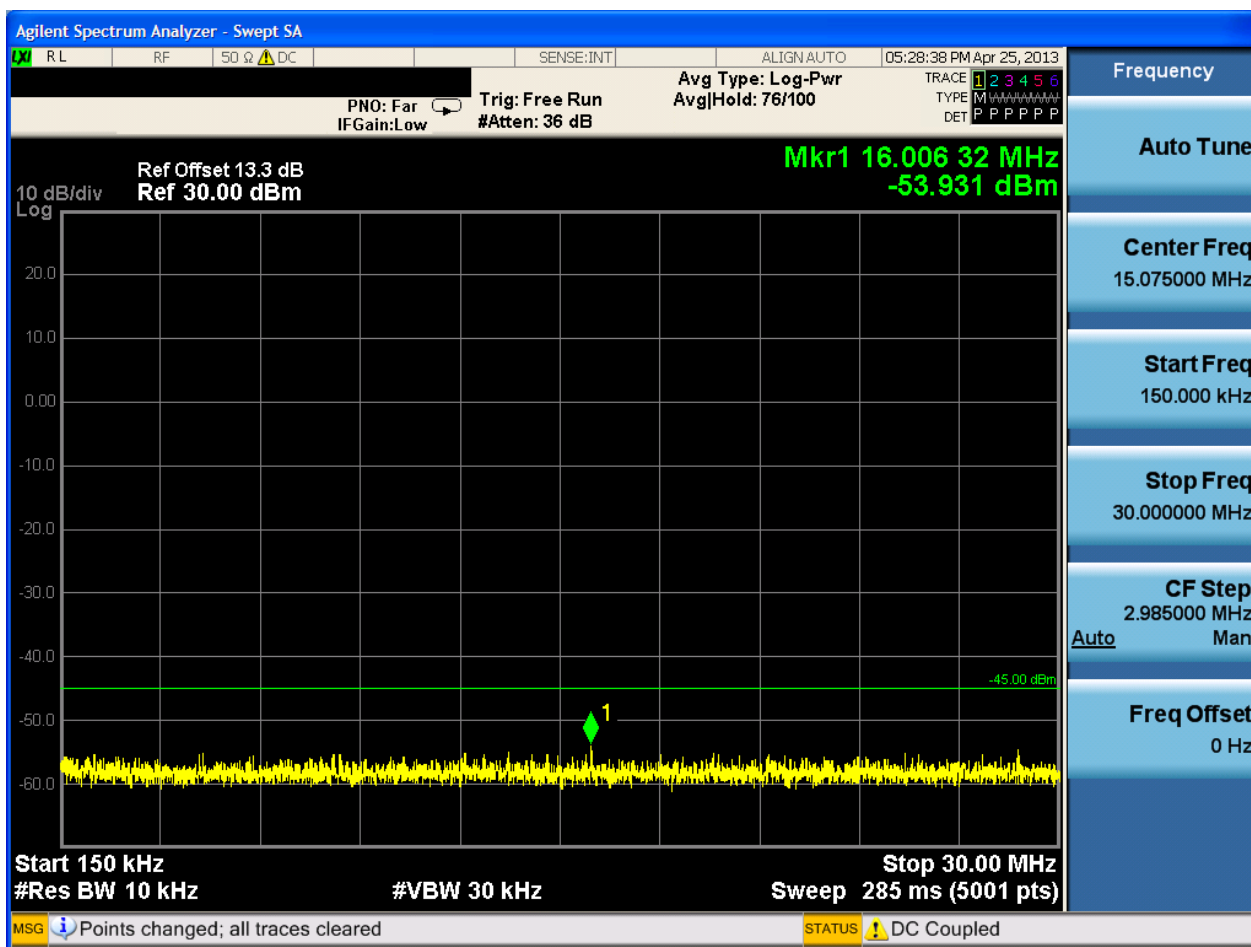


6.3.2.2.2 Test Bandwidth = 10

6.3.2.2.2.1 Test Channel = LCH

6.3.2.2.2.1.1 Test RB = RB1#0



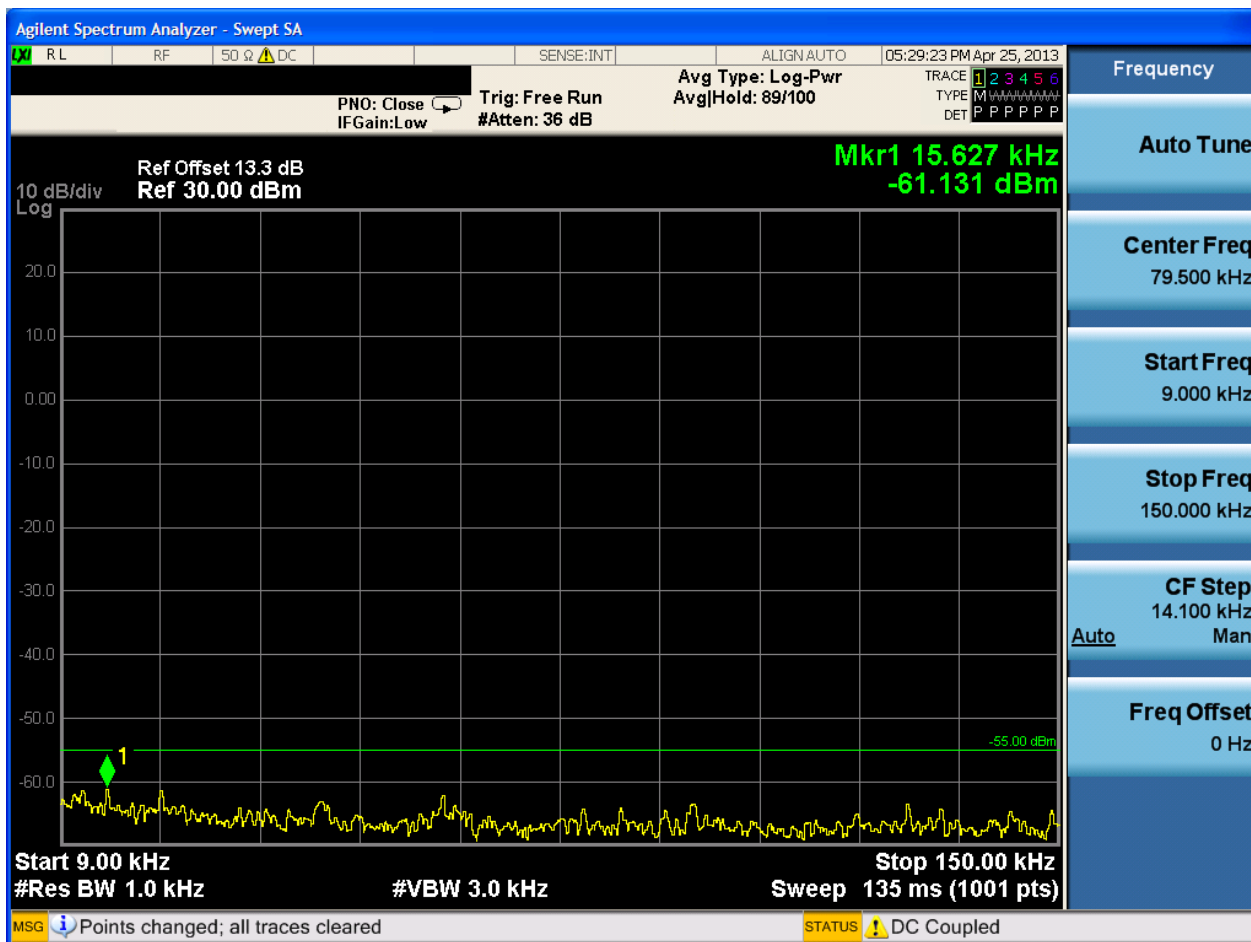


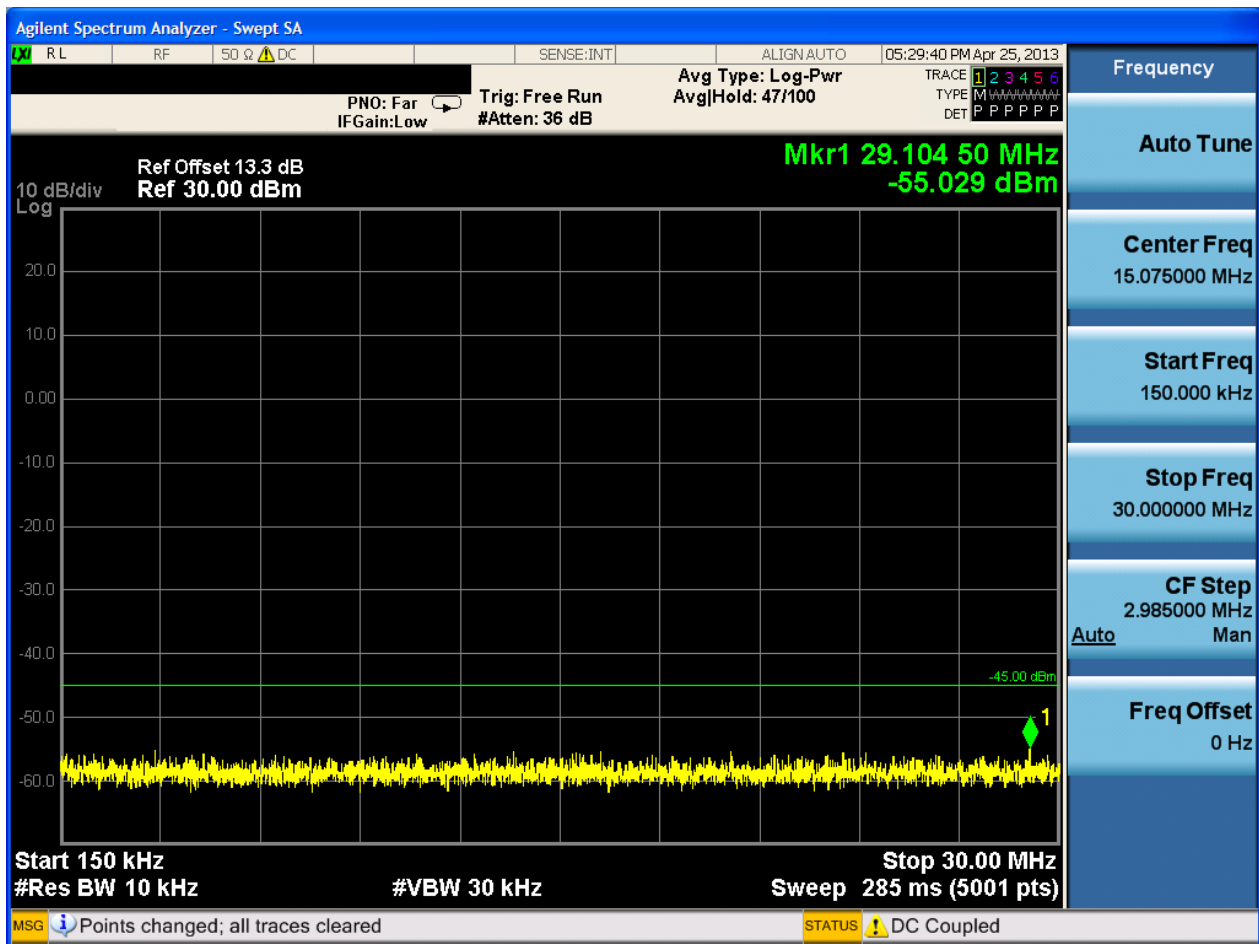


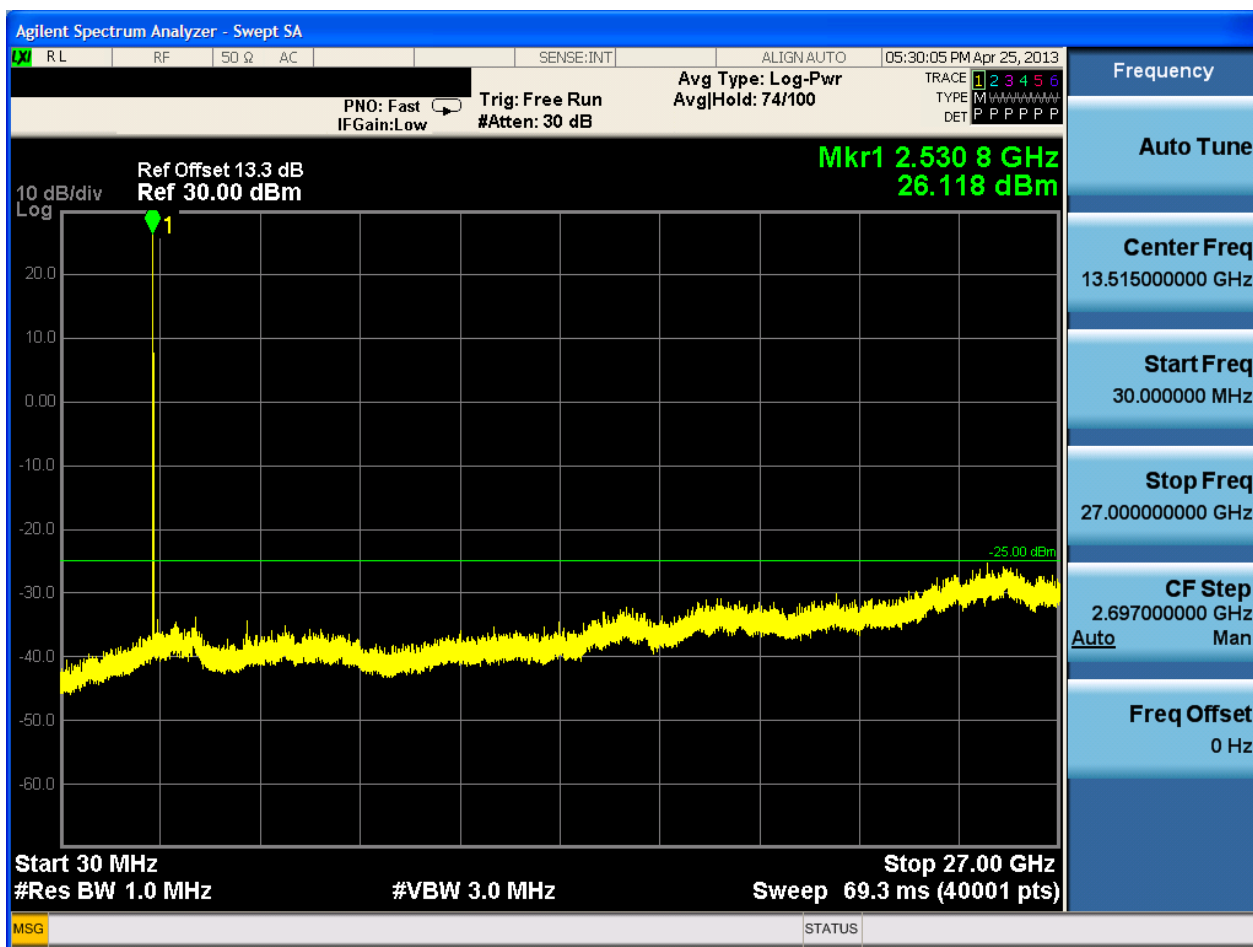


6.3.2.2.2 Test Channel = HCH

6.3.2.2.2.1 Test RB = RB1#0



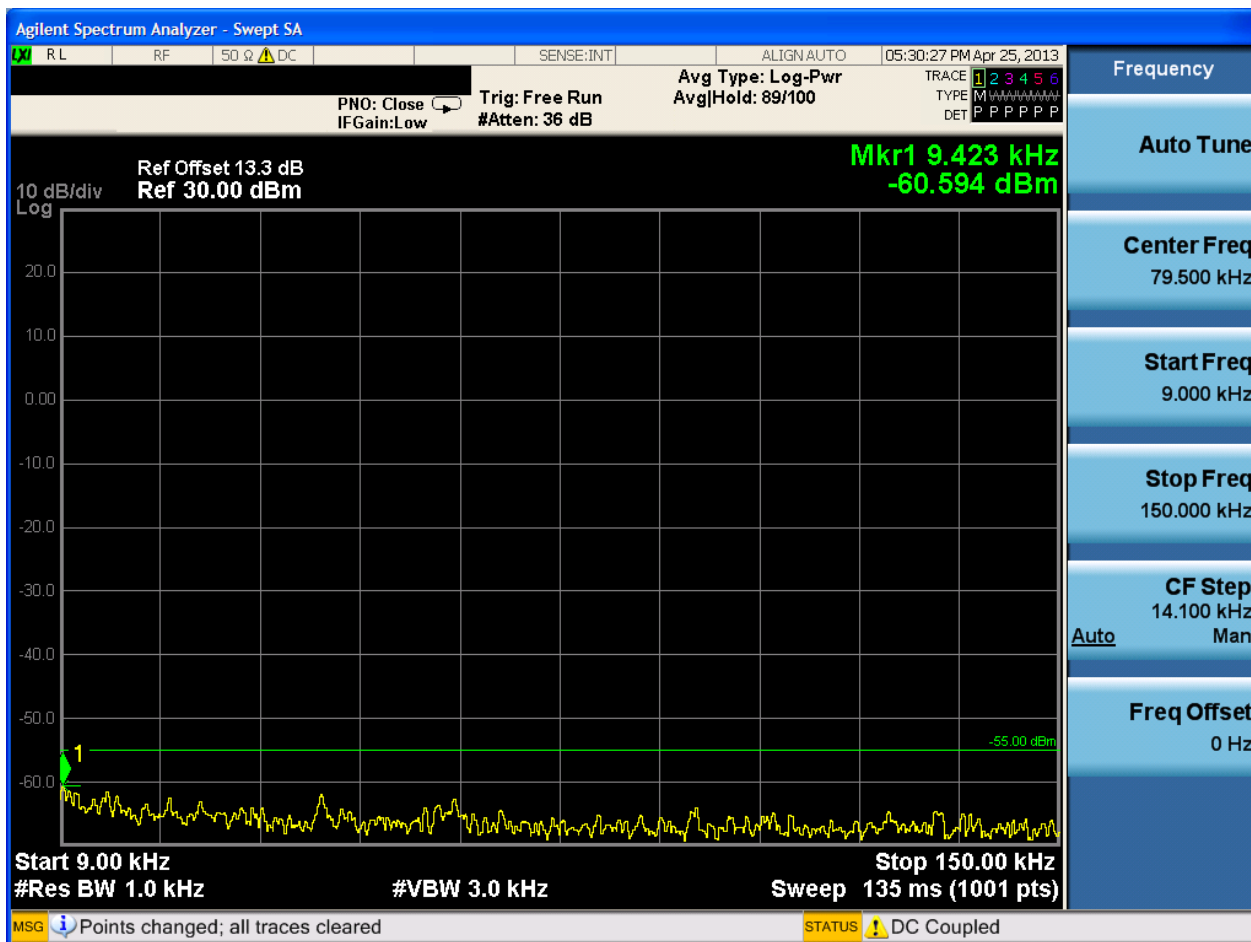


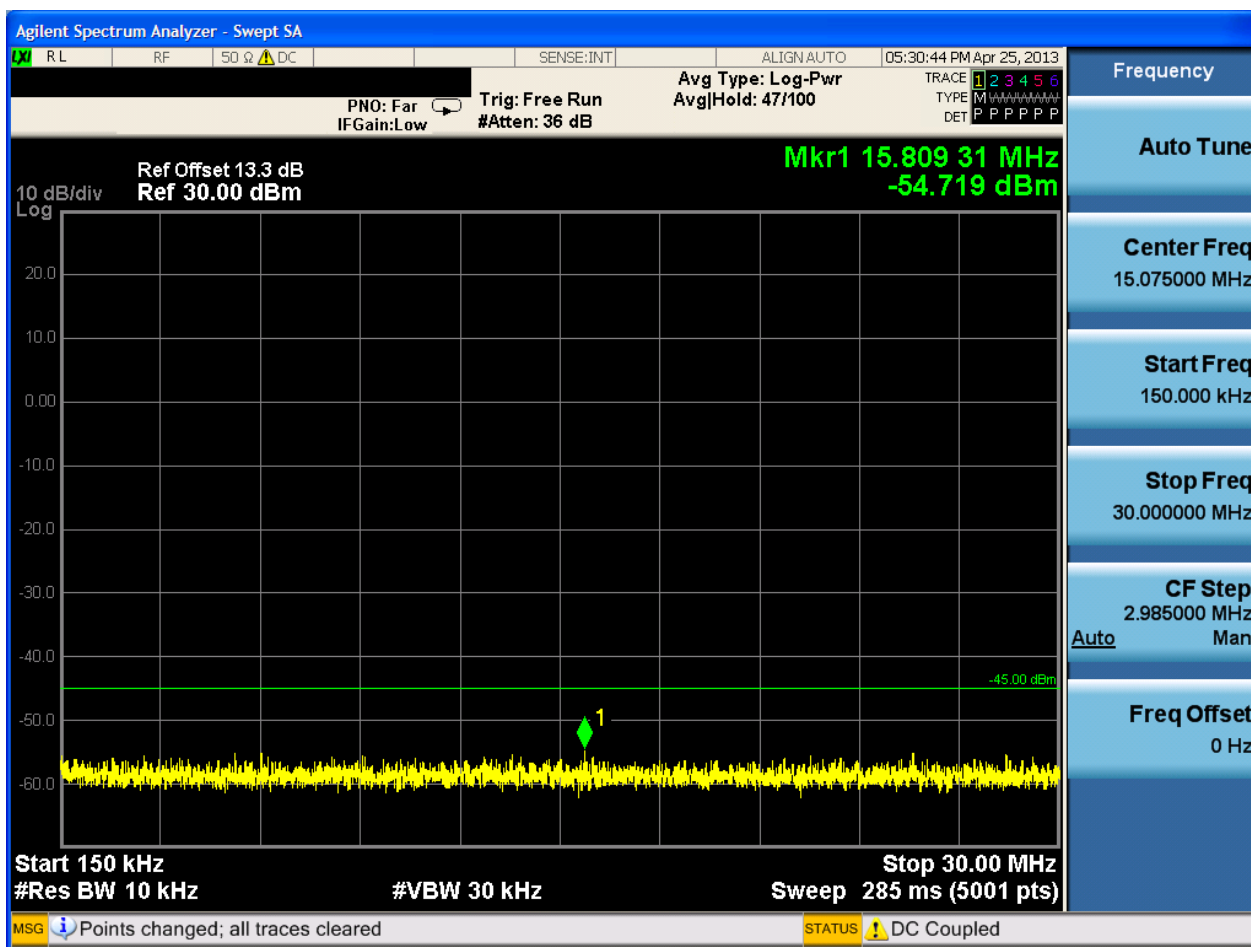


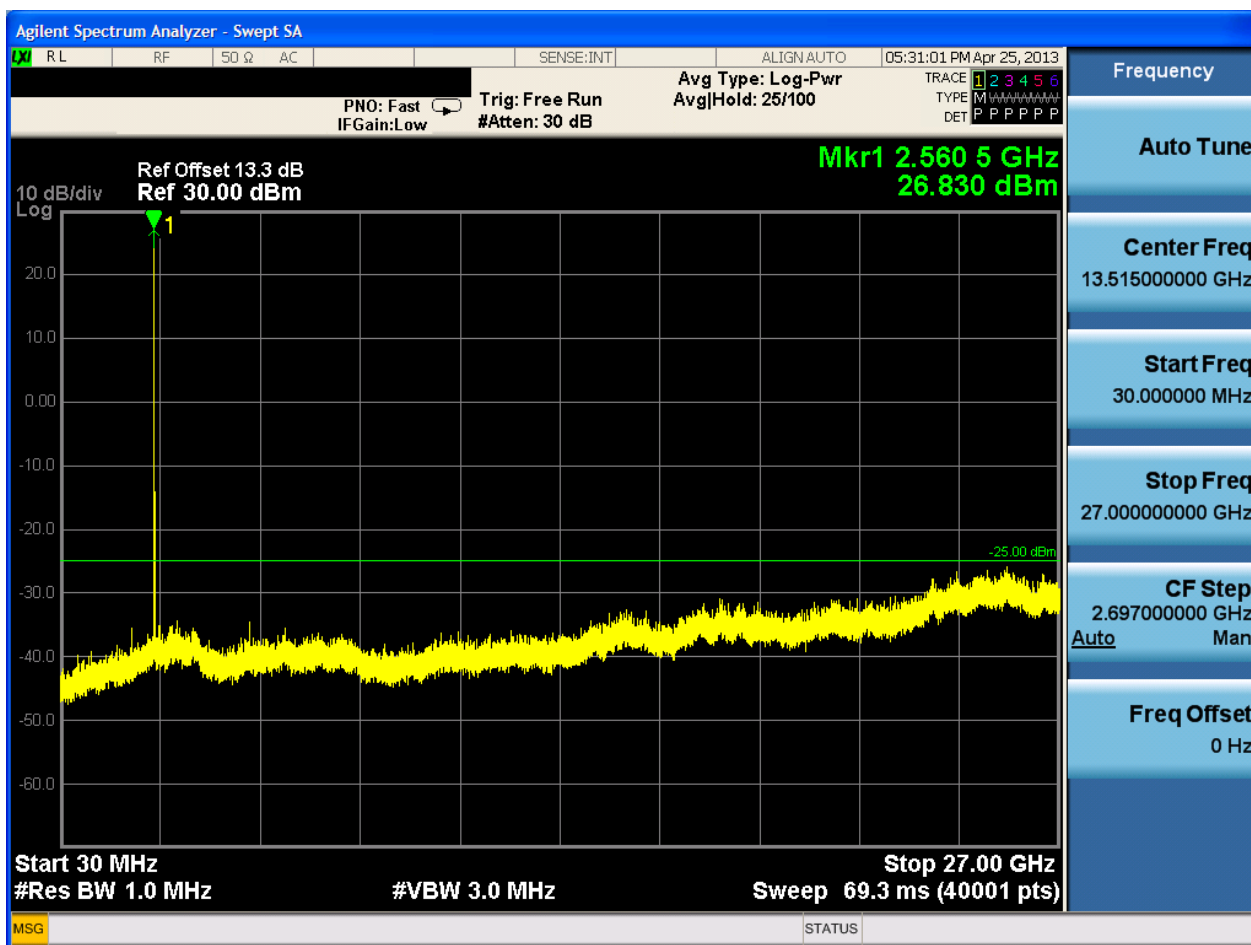


6.3.2.2.2.3 Test Channel = MCH

6.3.2.2.2.3.1 Test RB = RB1#0





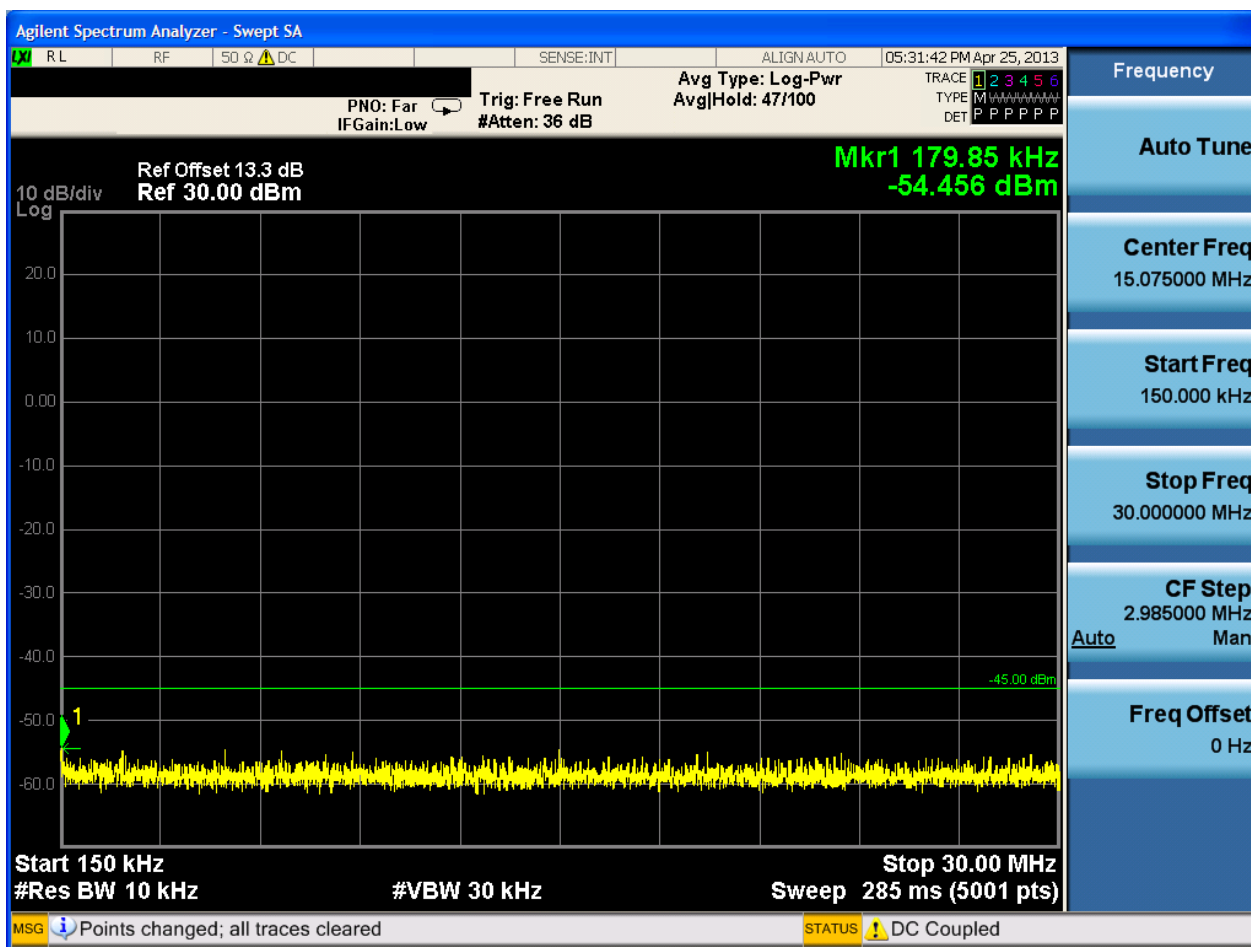


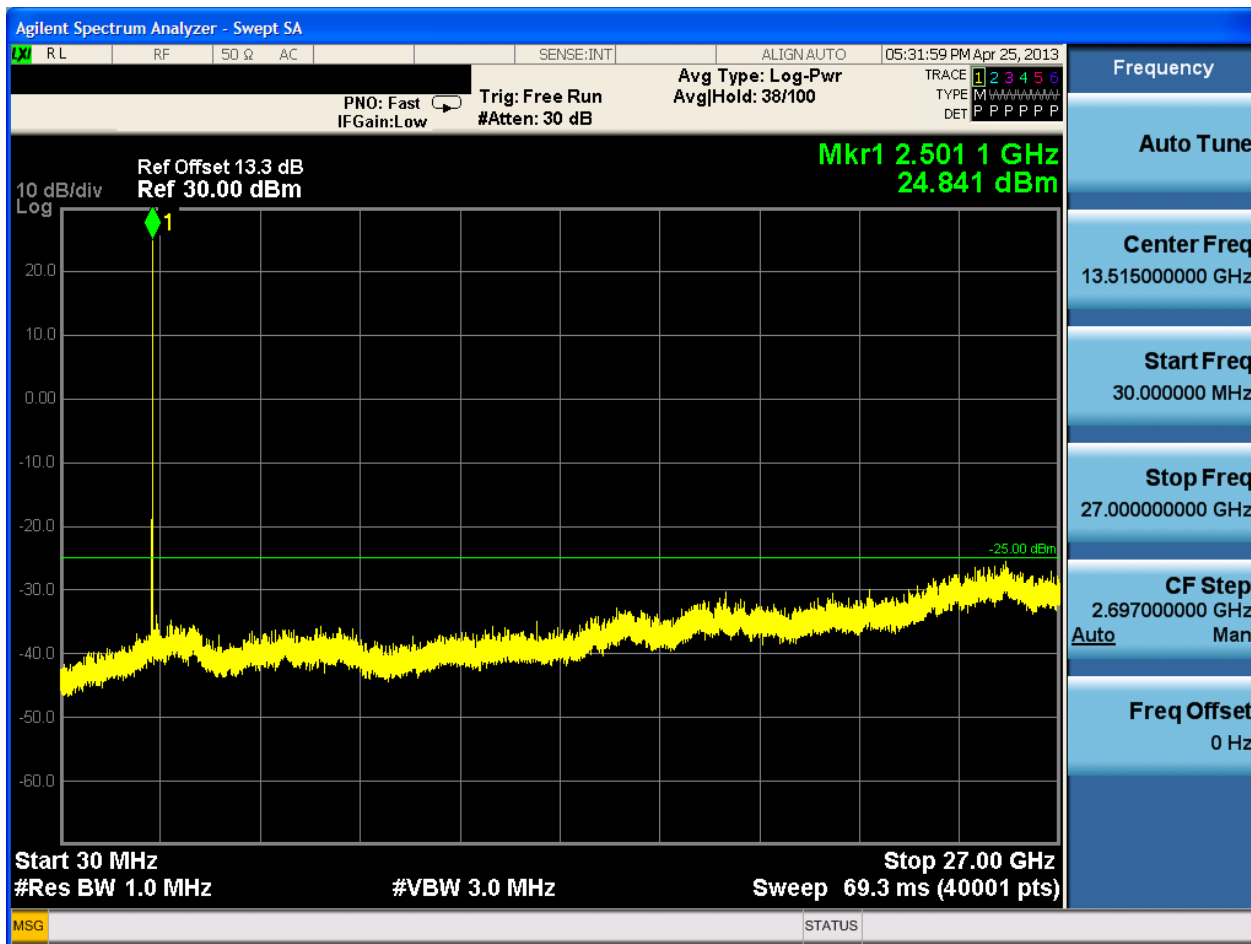
6.3.2.2.3 Test Bandwidth = 15

6.3.2.2.3.1 Test Channel = LCH

6.3.2.2.3.1.1 Test RB = RB1#0



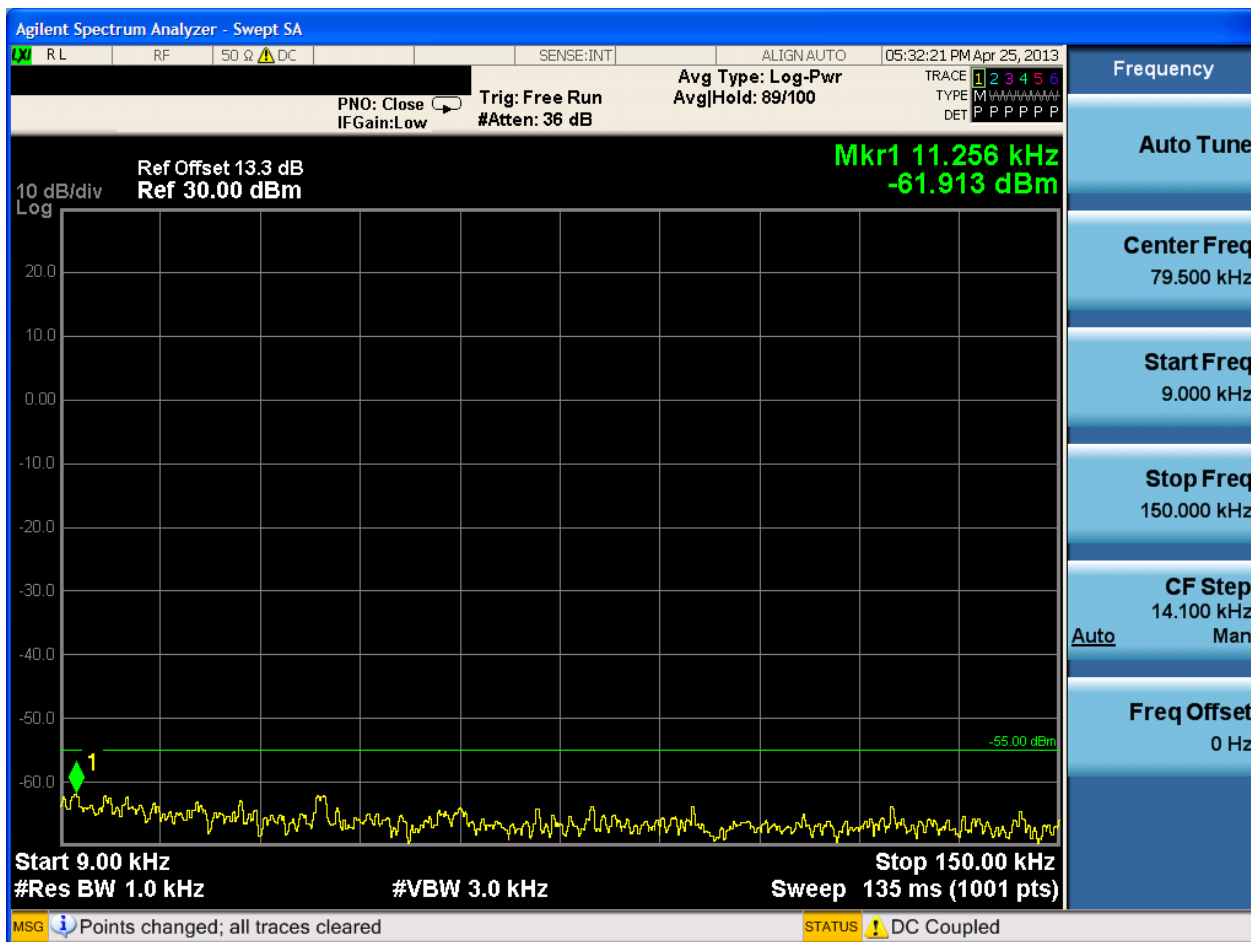


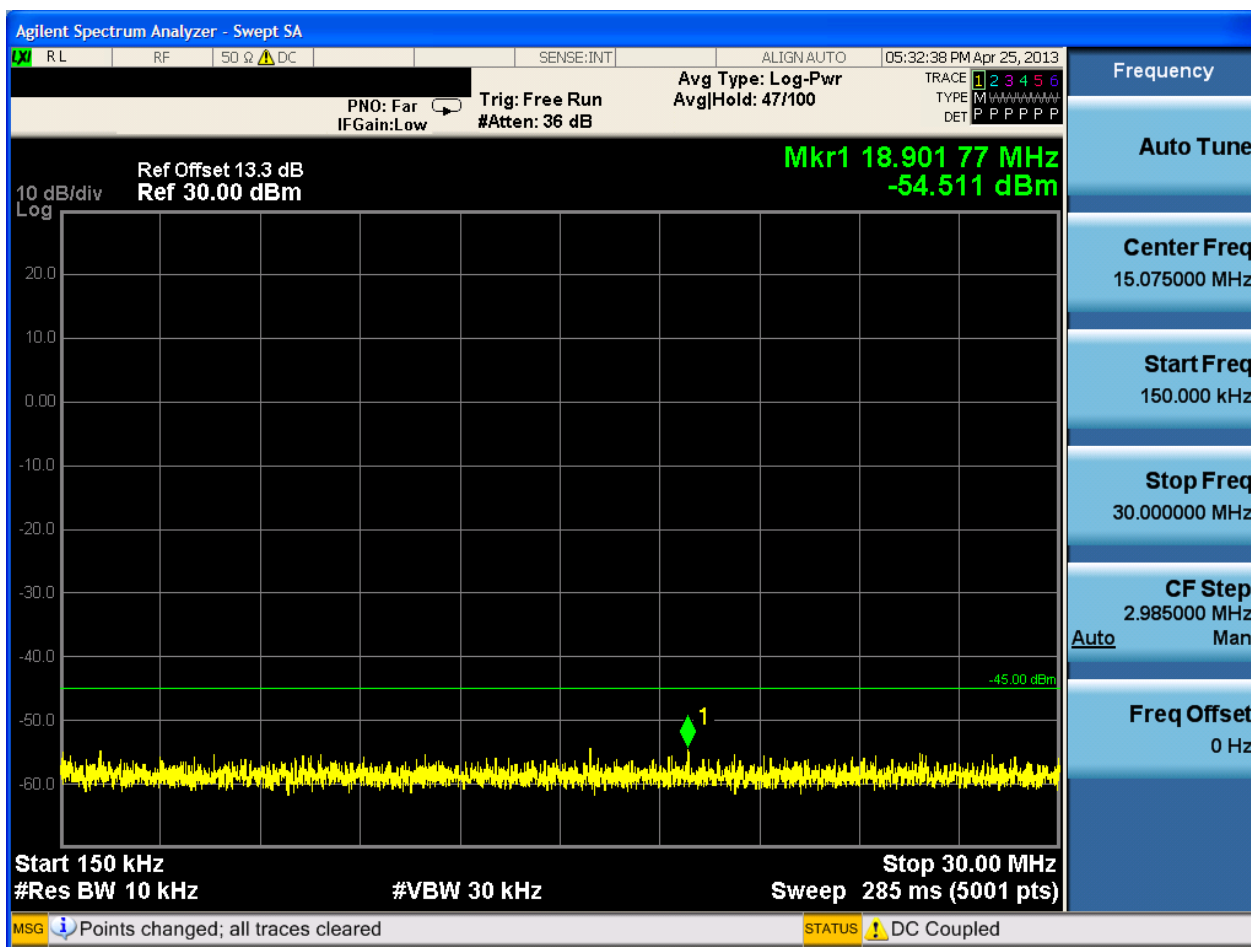


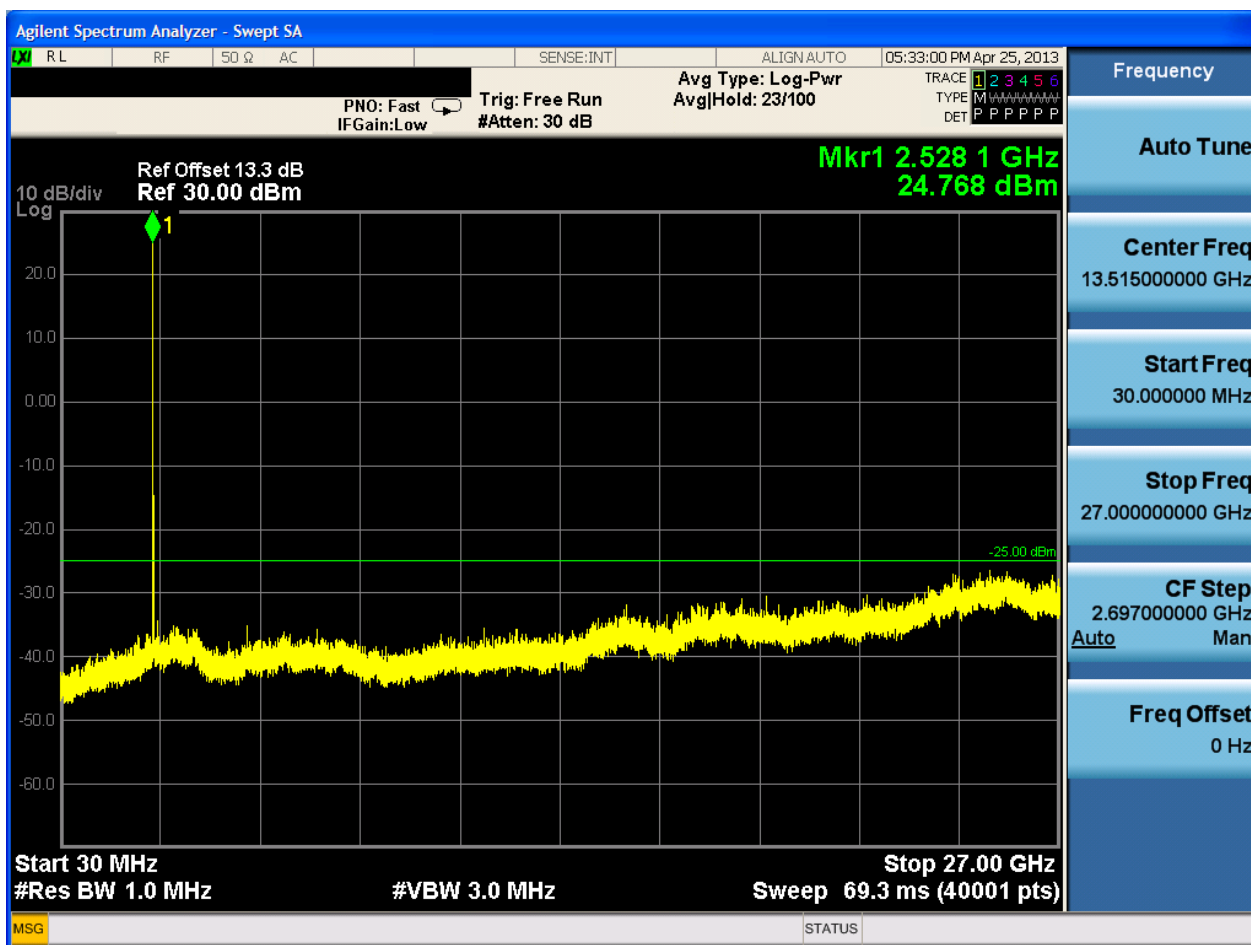


6.3.2.2.3.2 Test Channel = HCH

6.3.2.2.3.2.1 Test RB = RB1#0



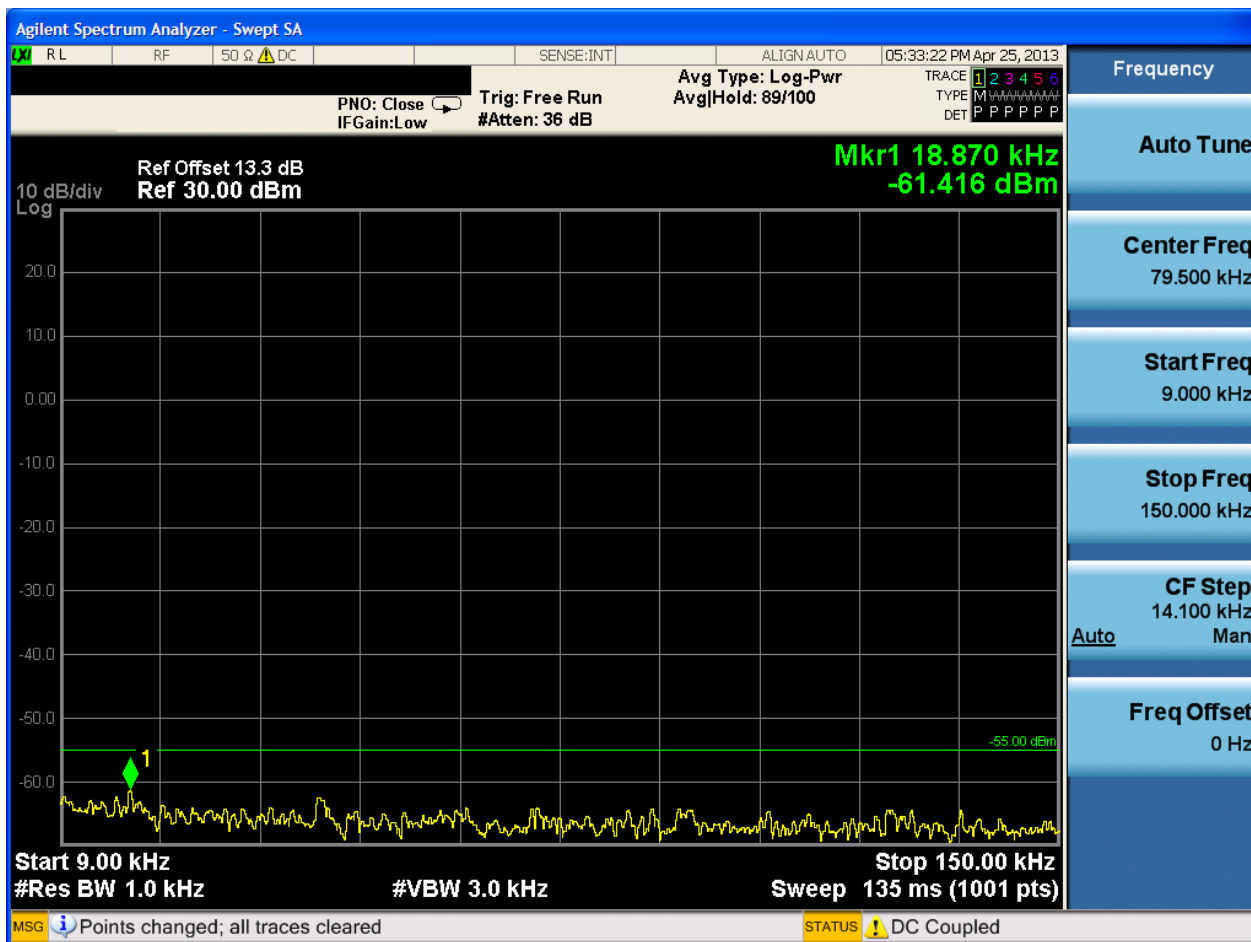


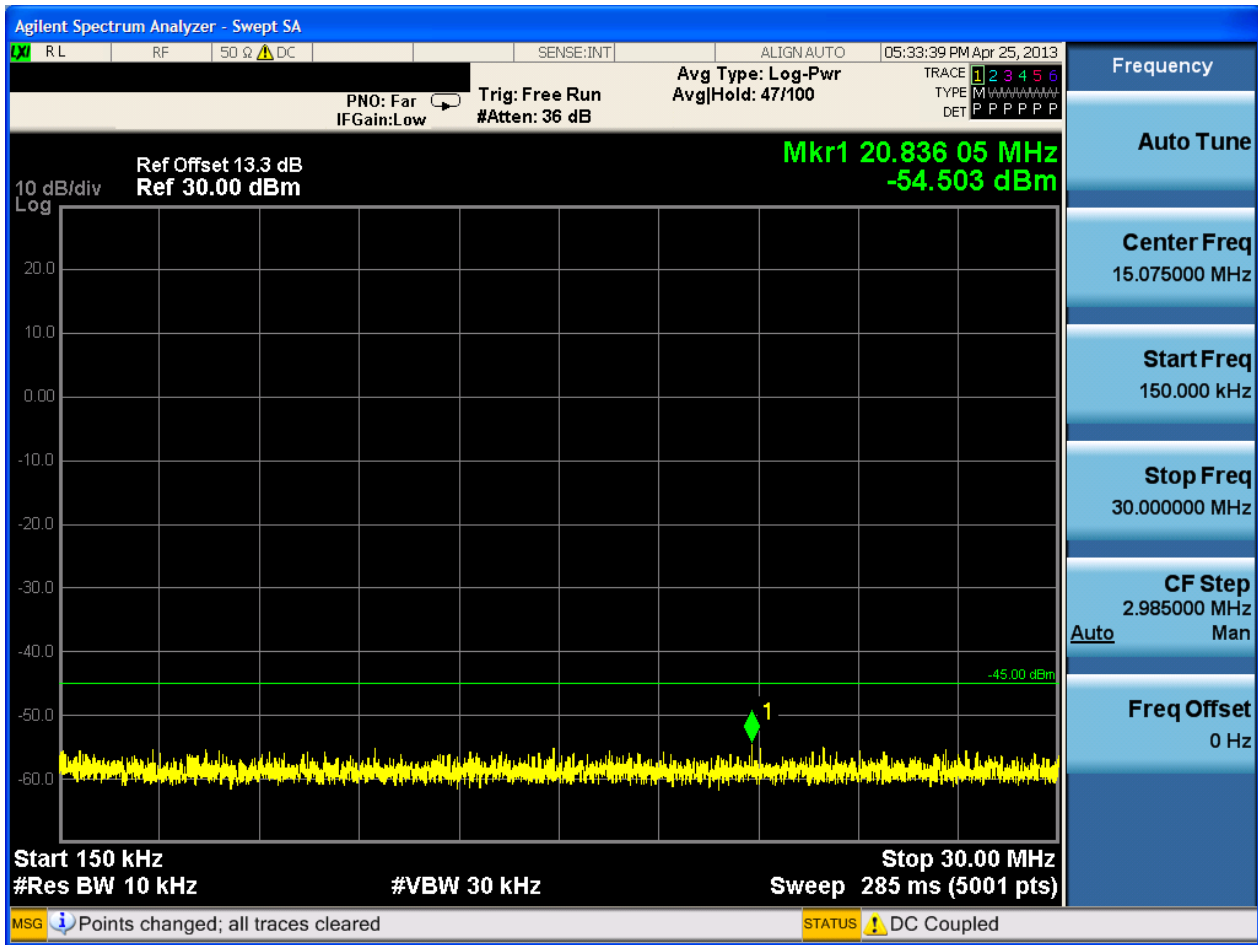


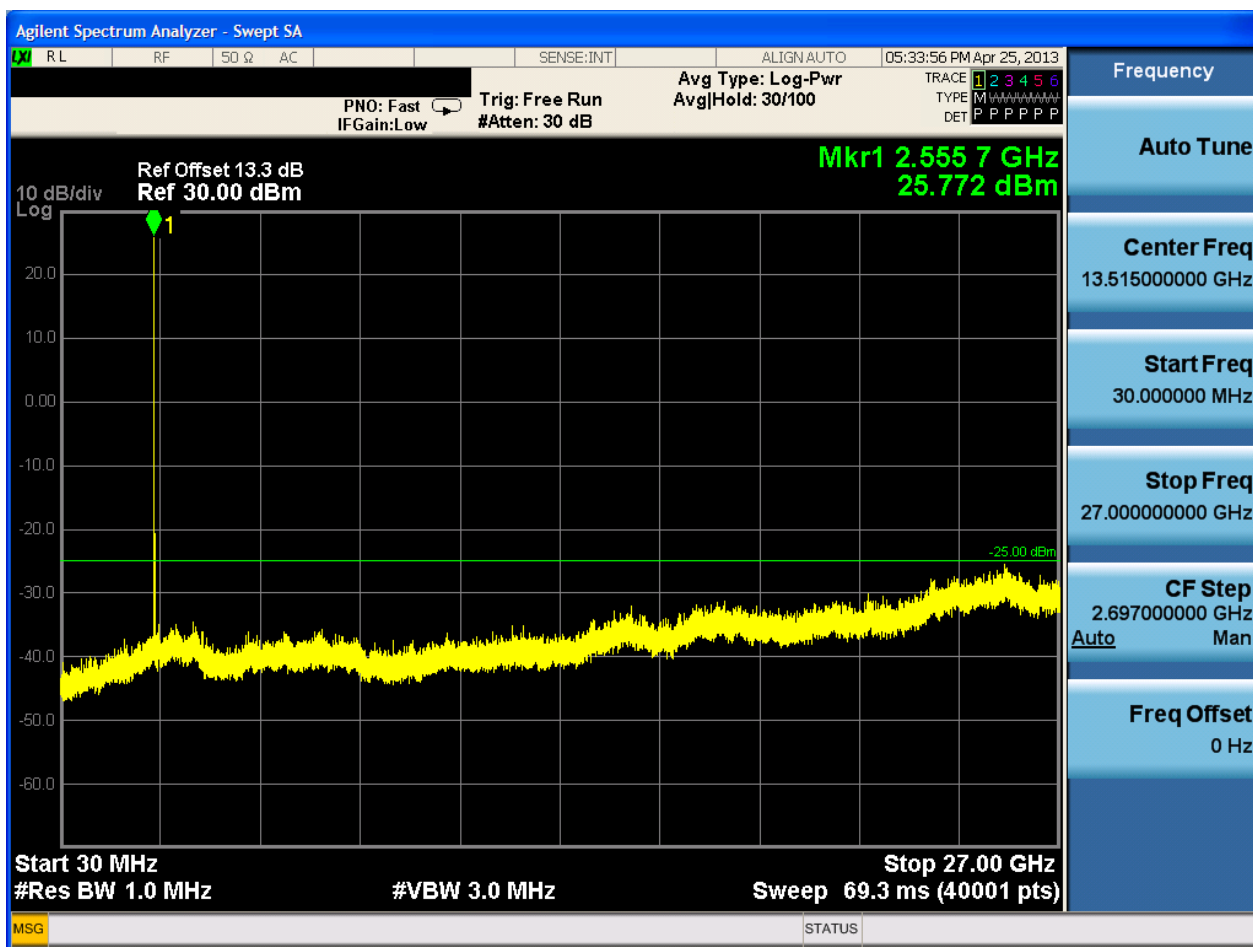


6.3.2.2.3.3 Test Channel = MCH

6.3.2.2.3.3.1 Test RB = RB1#0



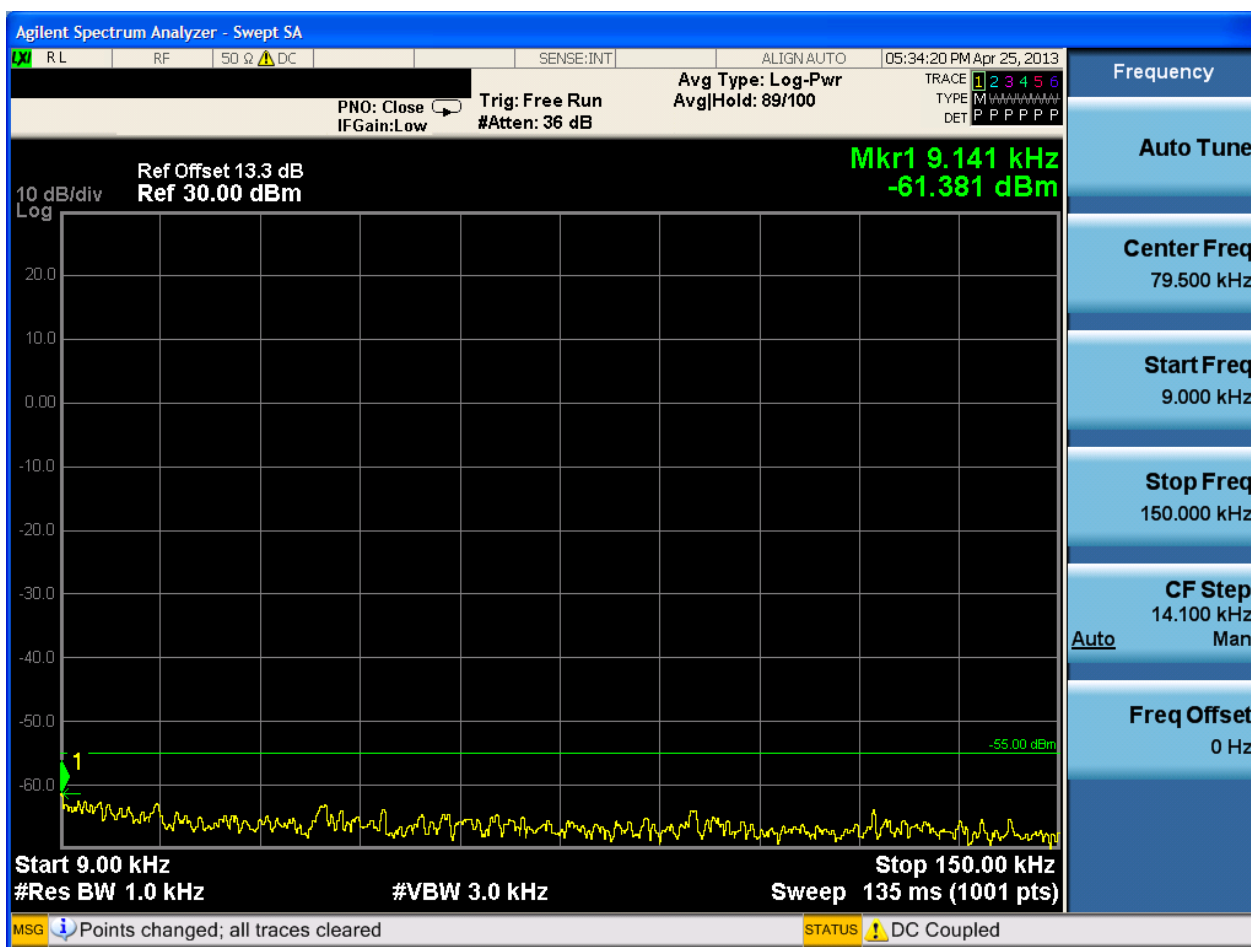


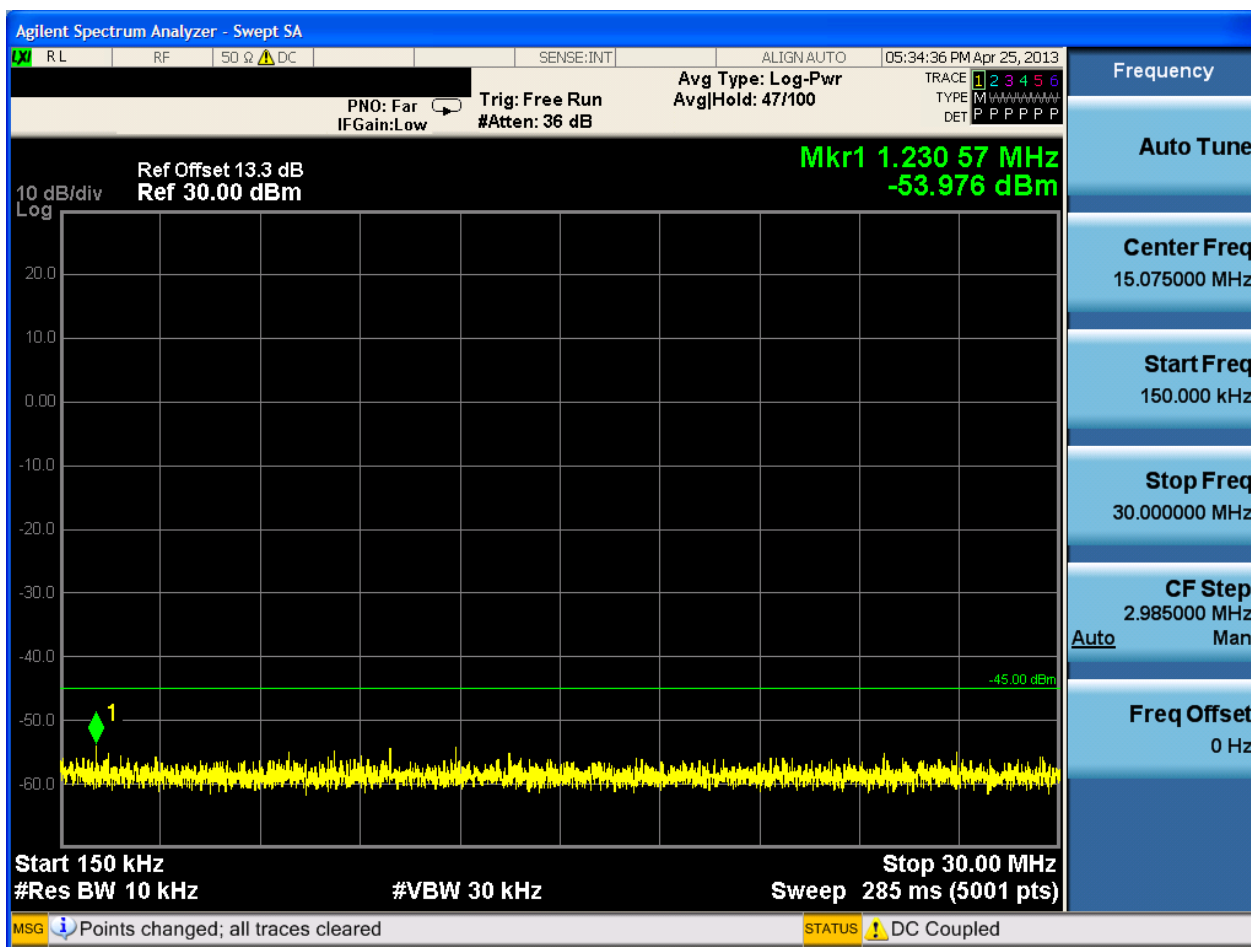


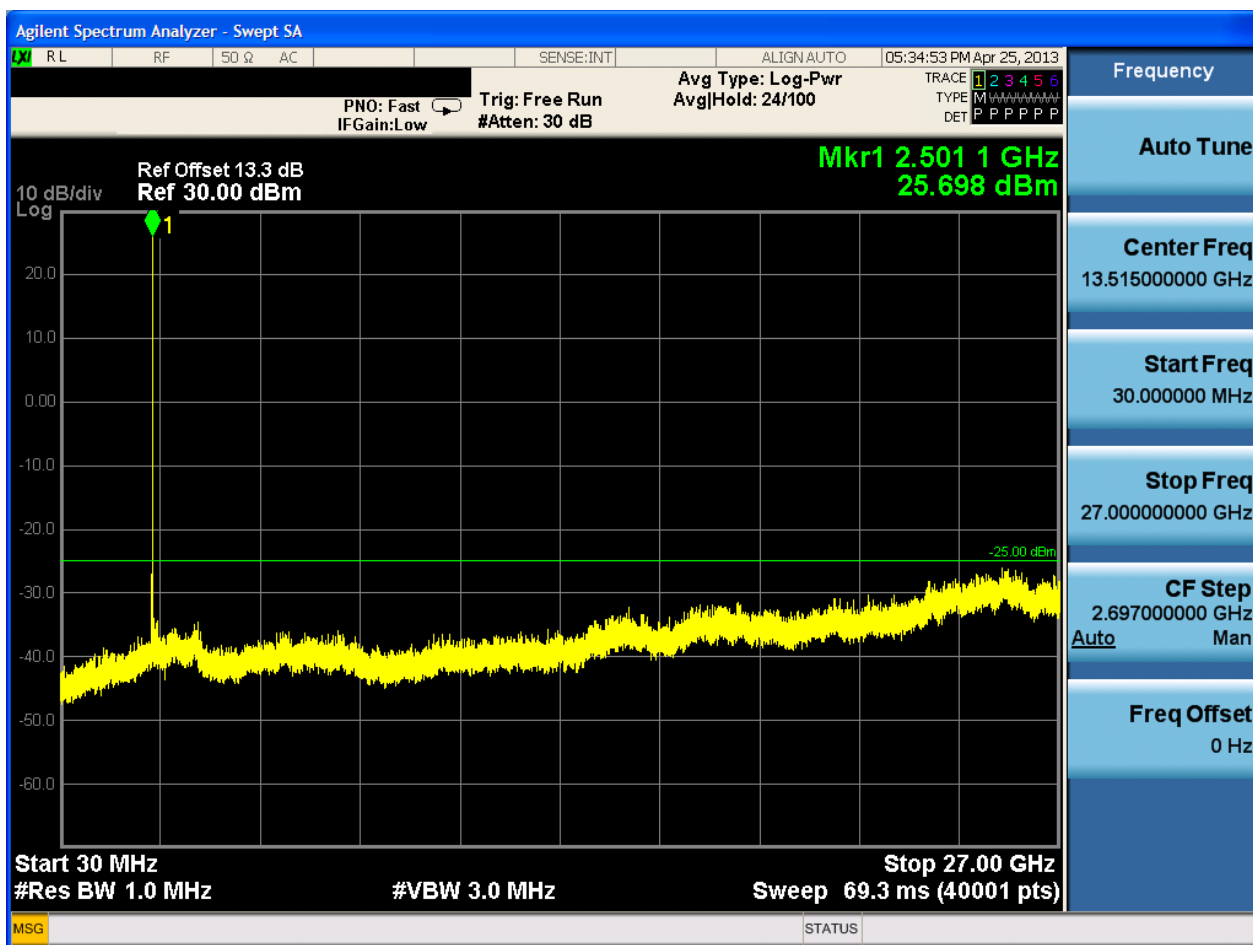
6.3.2.2.4 Test Bandwidth = 20

6.3.2.2.4.1 Test Channel = LCH

6.3.2.2.4.1.1 Test RB = RB1#0



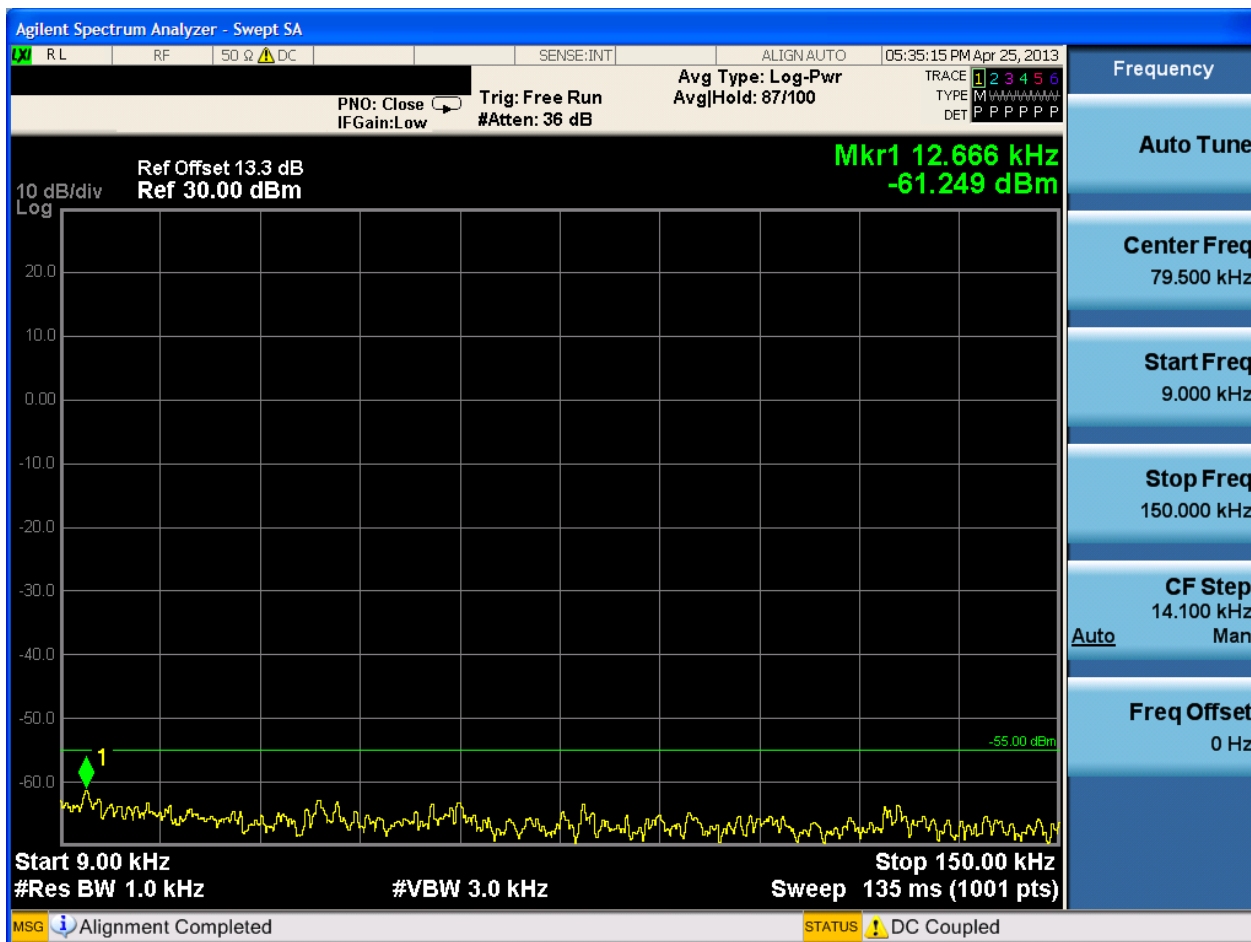


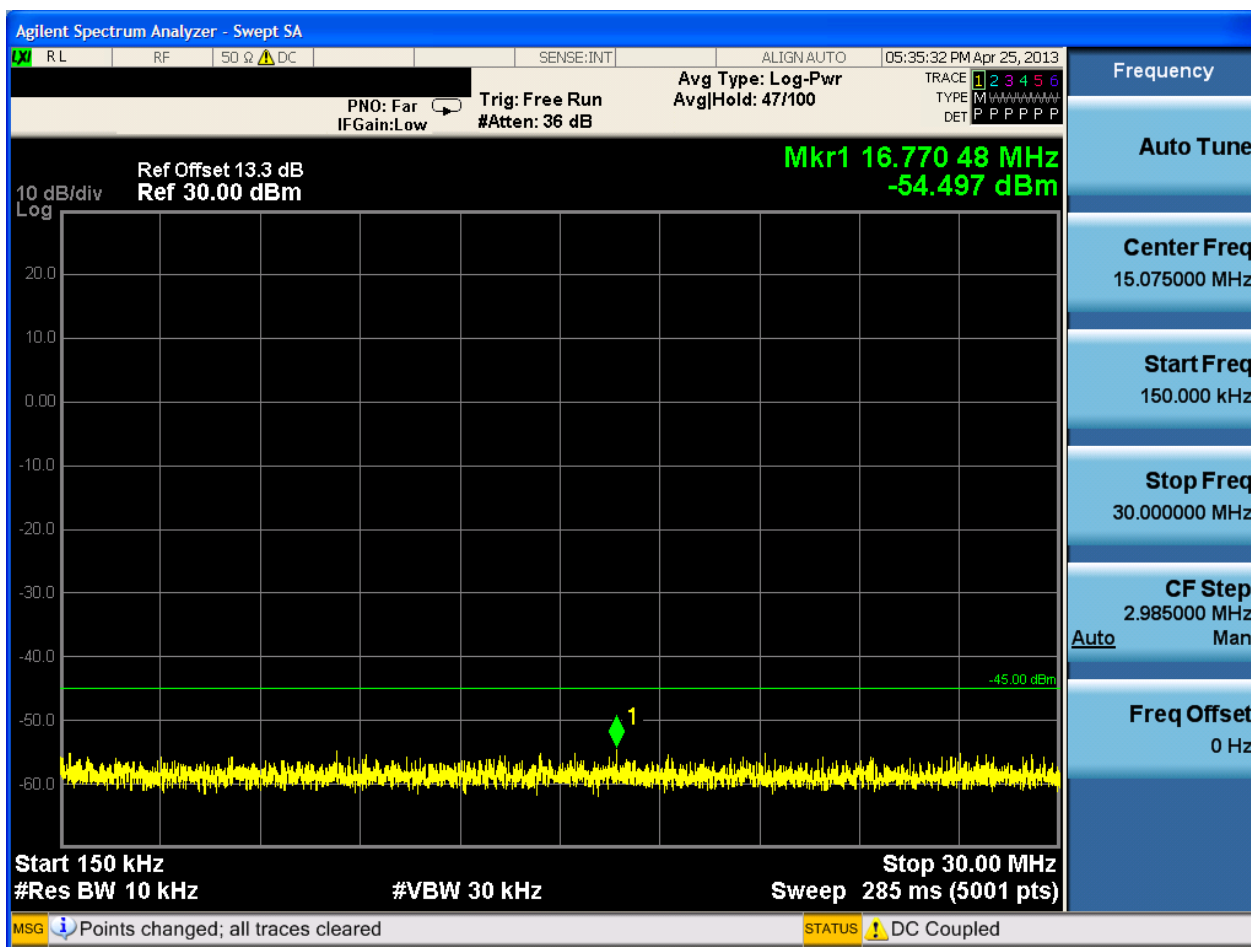


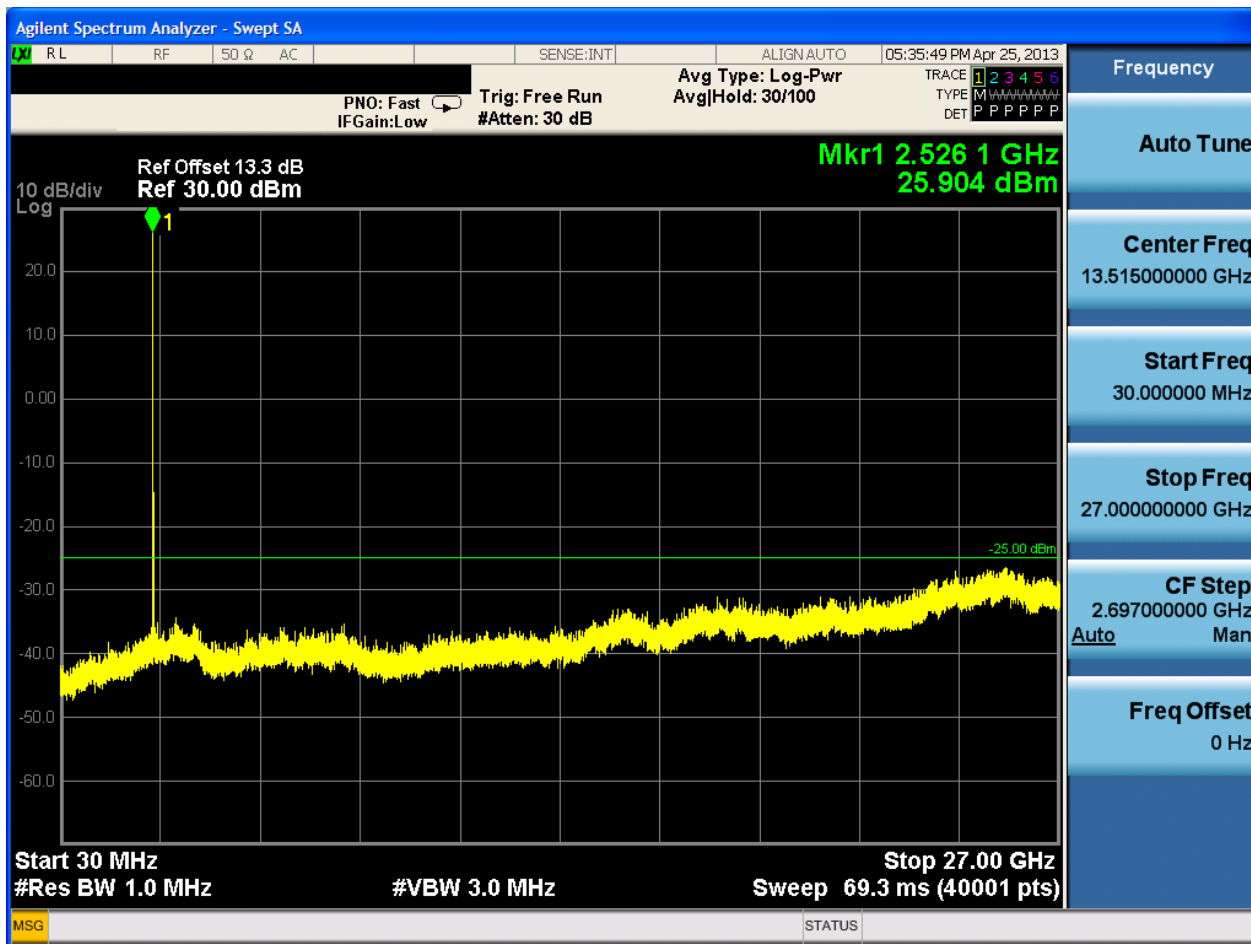


6.3.2.2.4.2 Test Channel = HCH

6.3.2.2.4.2.1 Test RB = RB1#0



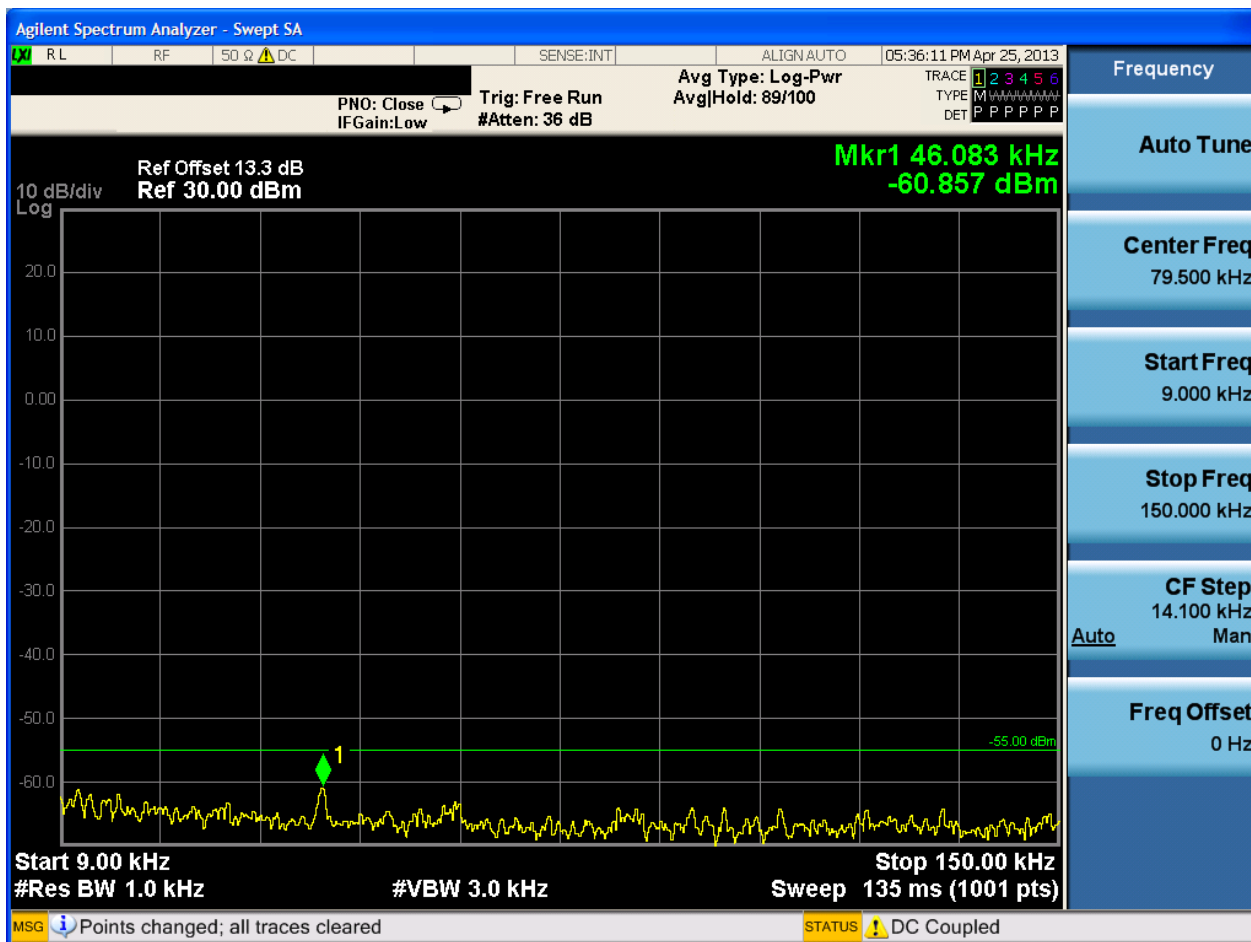


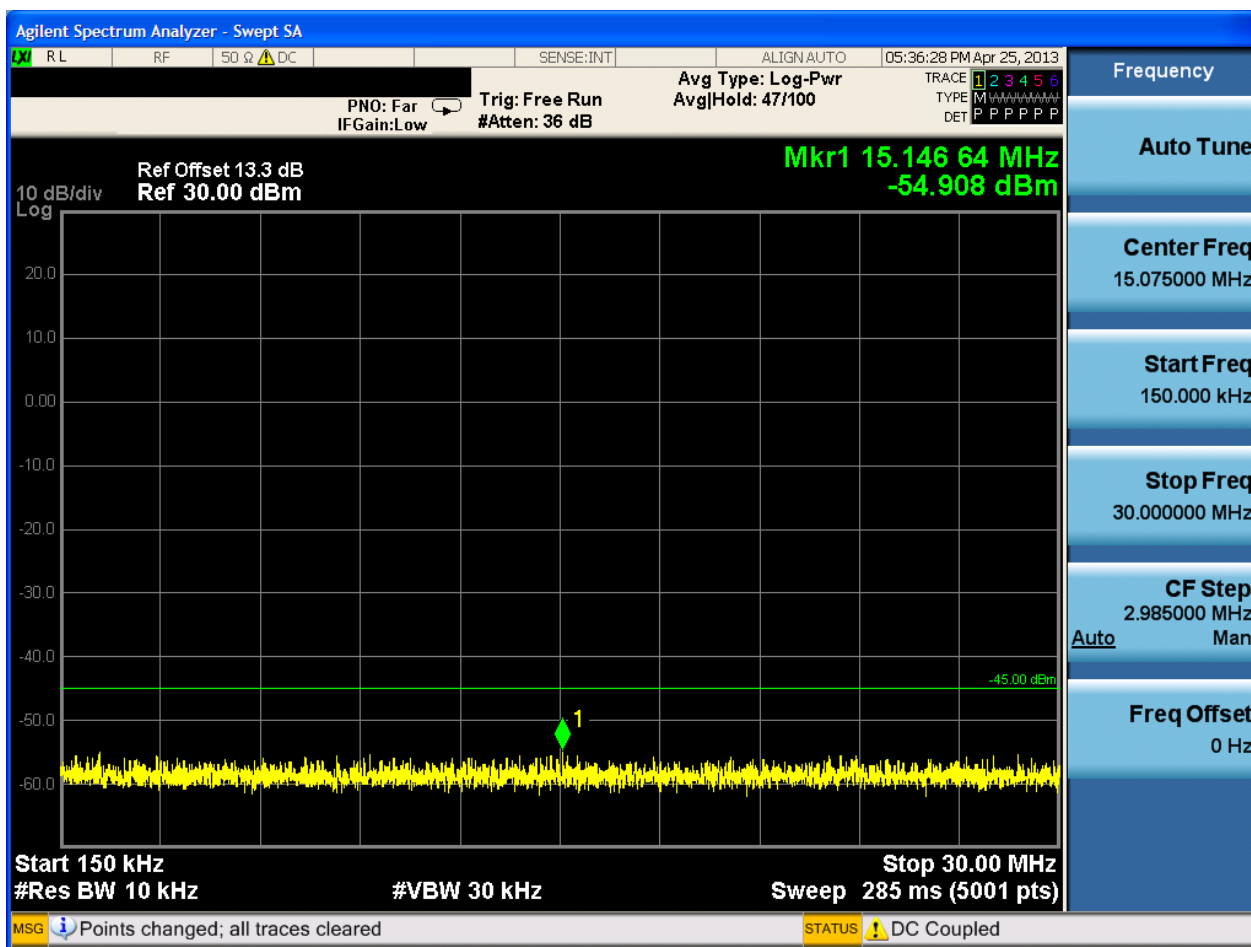




6.3.2.2.4.3 Test Channel = MCH

6.3.2.2.4.3.1 Test RB = RB1#0







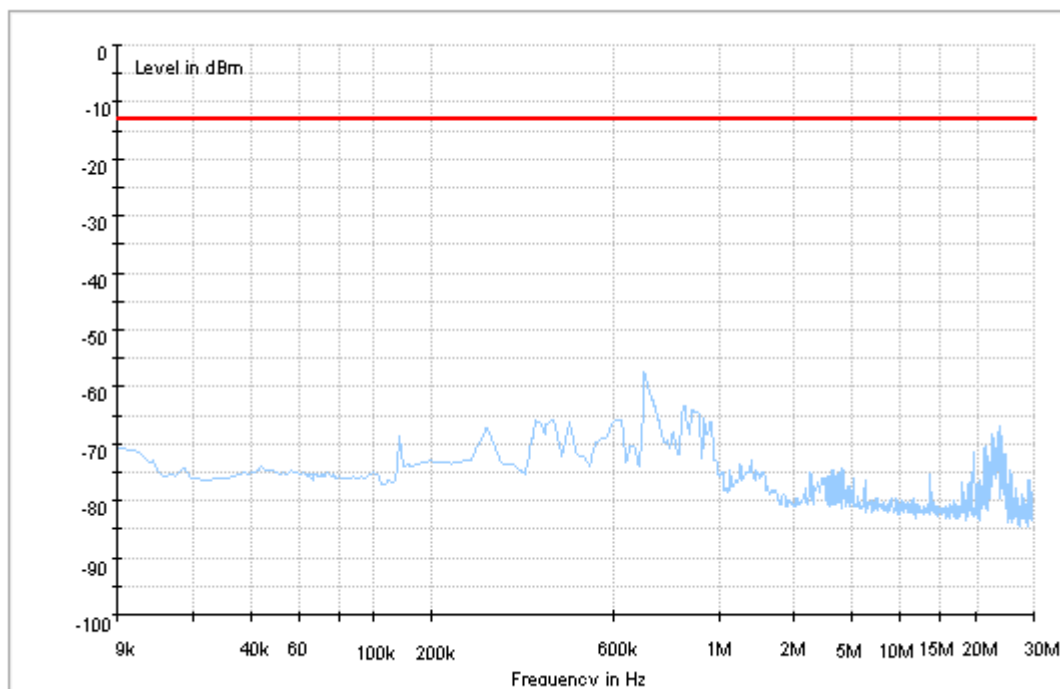
7Appendix_G: Field Strength of Spurious Radiation

Part I - Test Plots

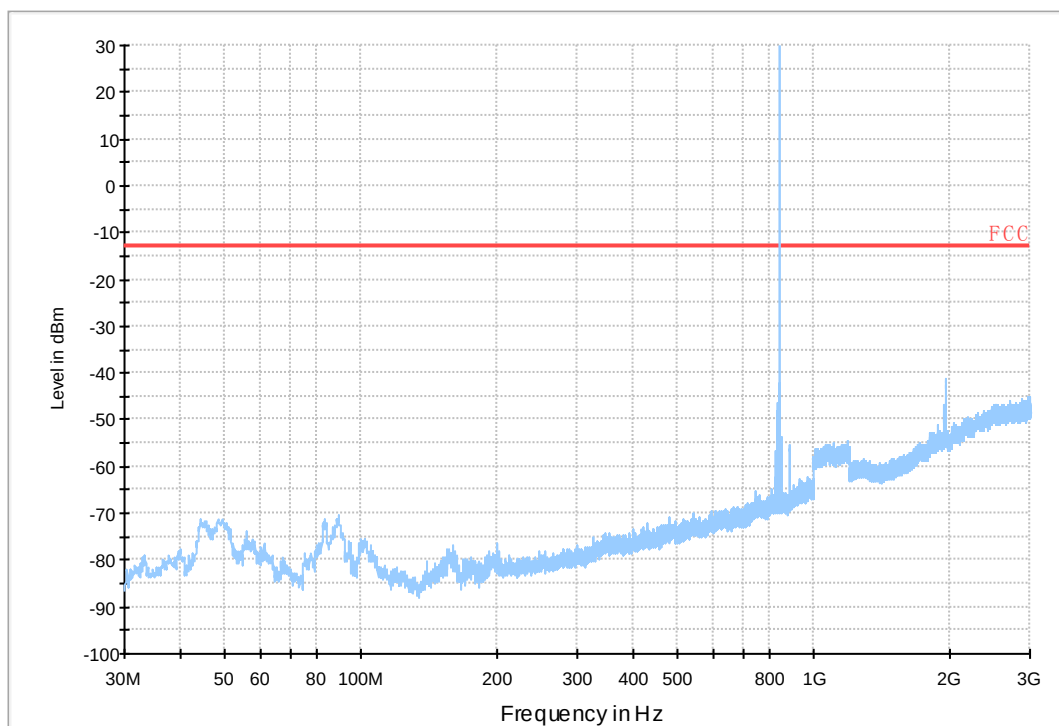
7.1 For GSM

7.1.1 Test Band = GSM850

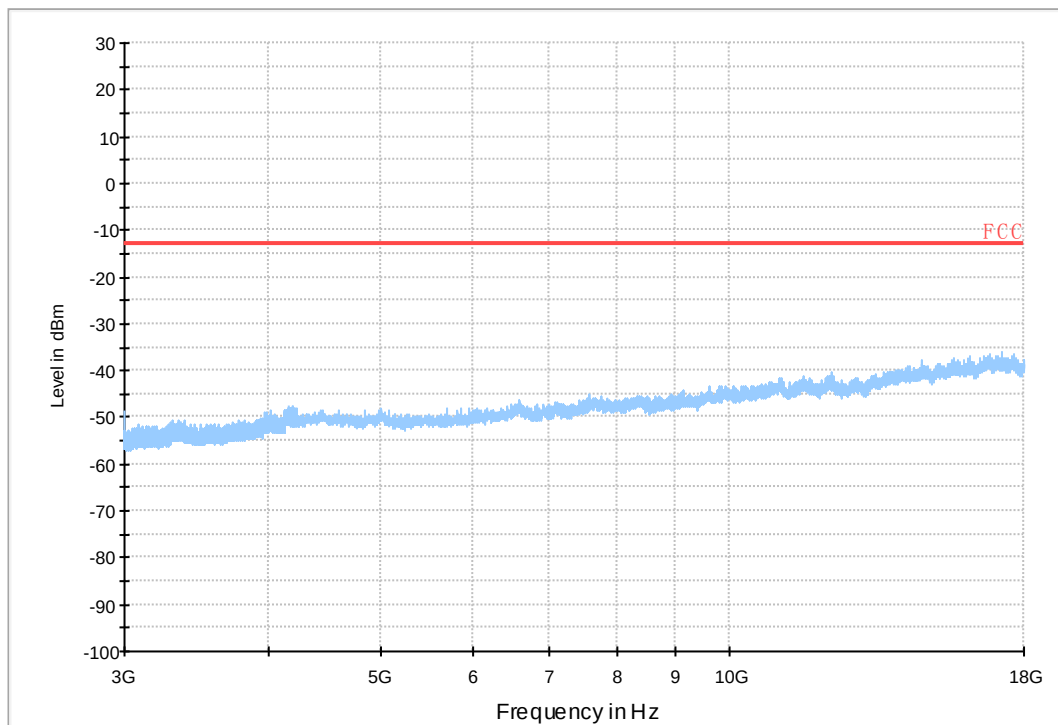
7.1.1.1 Test Mode = GSM/TM1



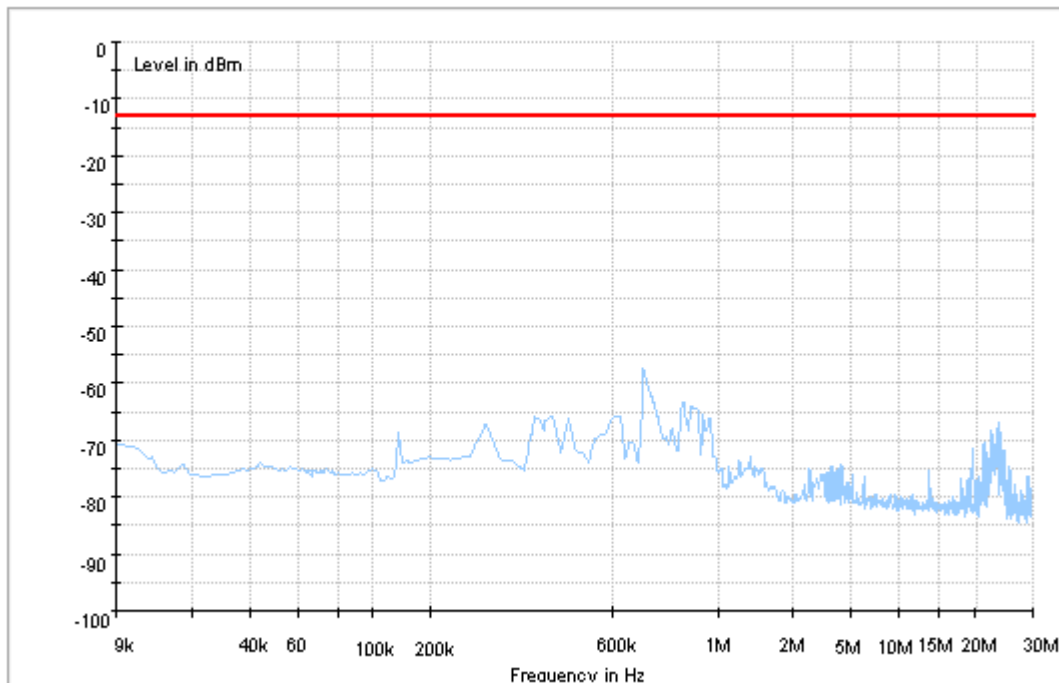
Copy of FCC PART 22 GSM850_L



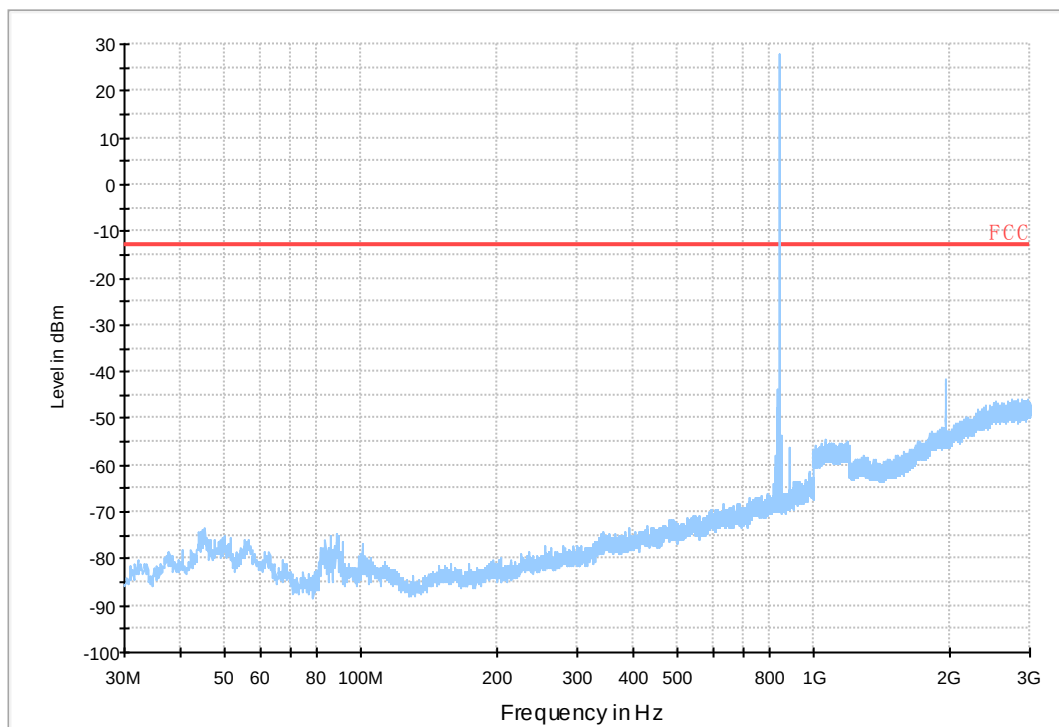
Copy of FCC PART 22 GSM850_H



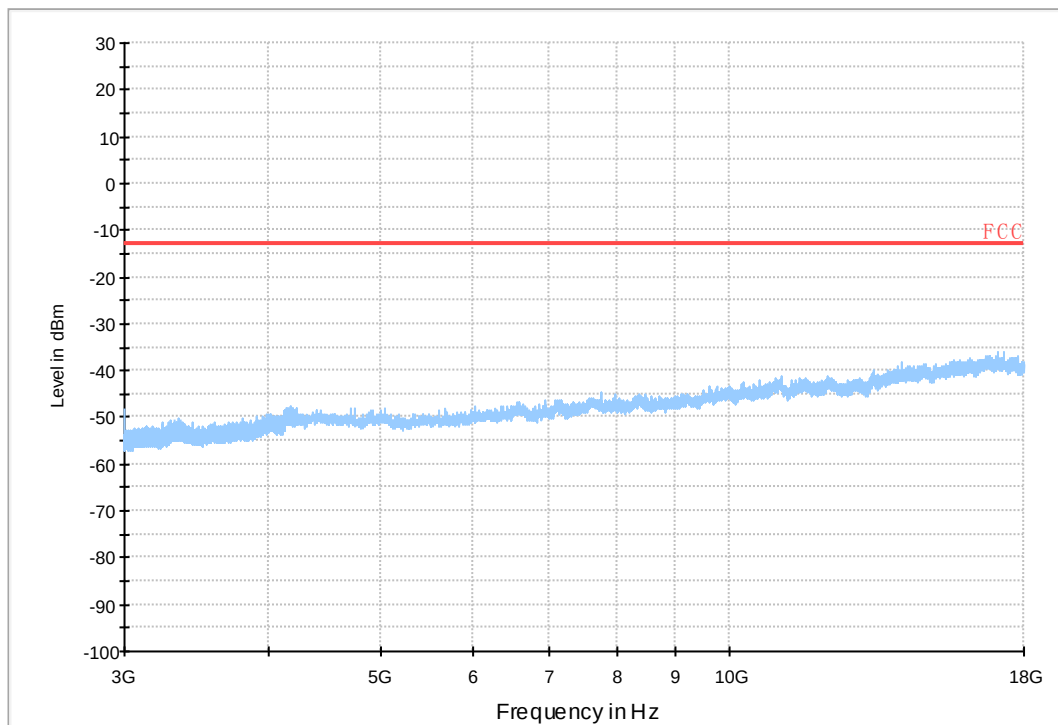
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART 22 GSM850_L

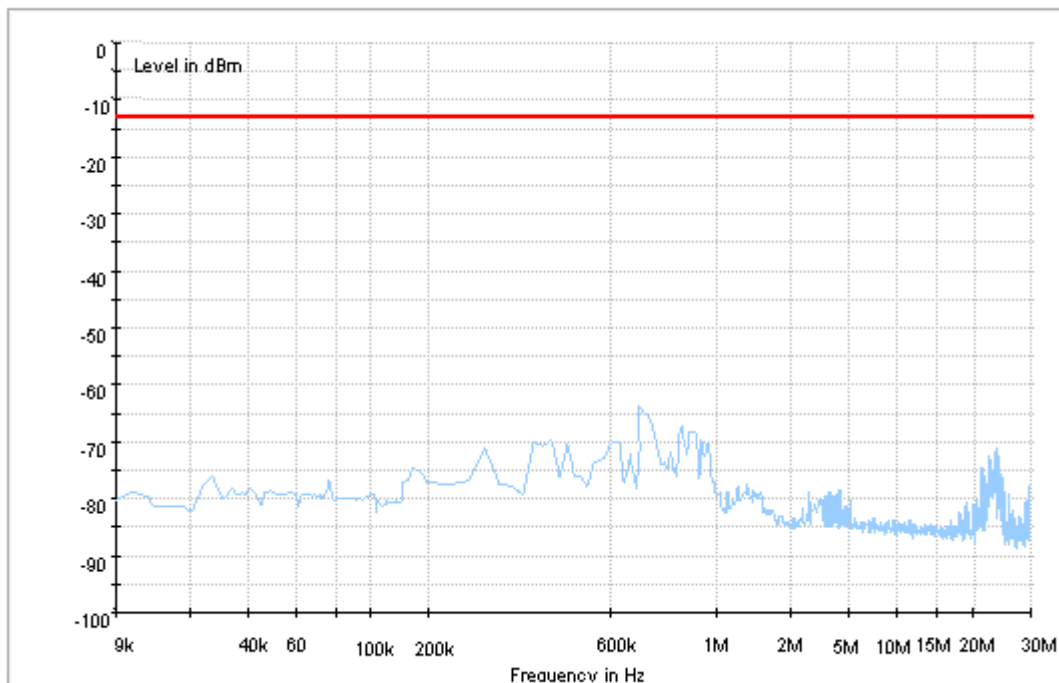


Copy of FCC PART 22 GSM850_H

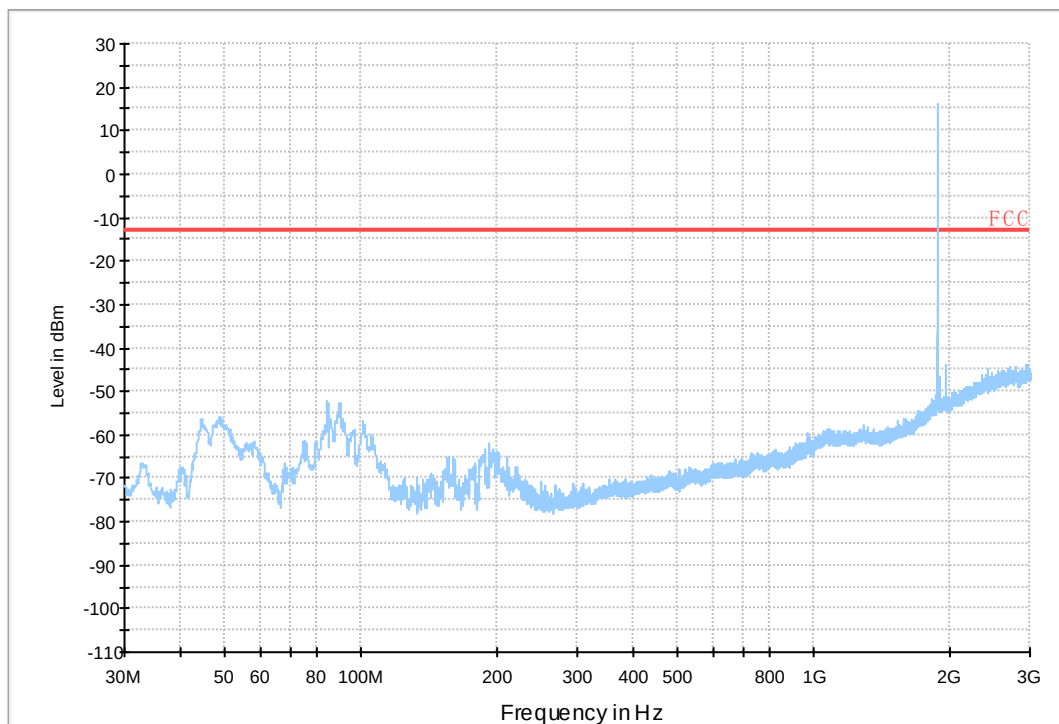


7.1.2 Test Band = GSM1900

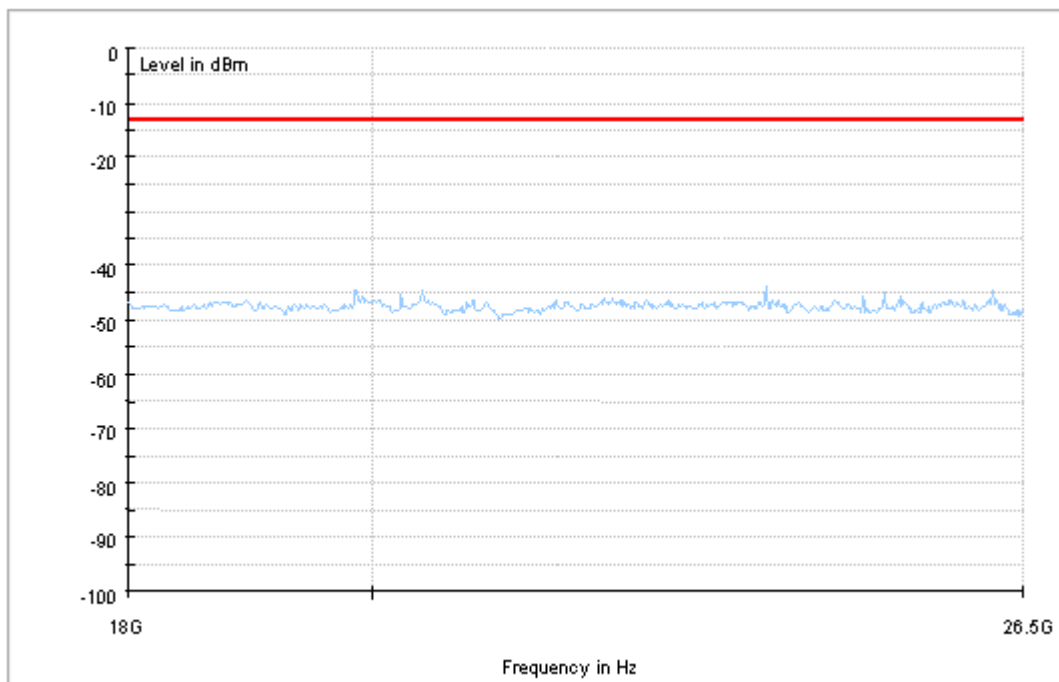
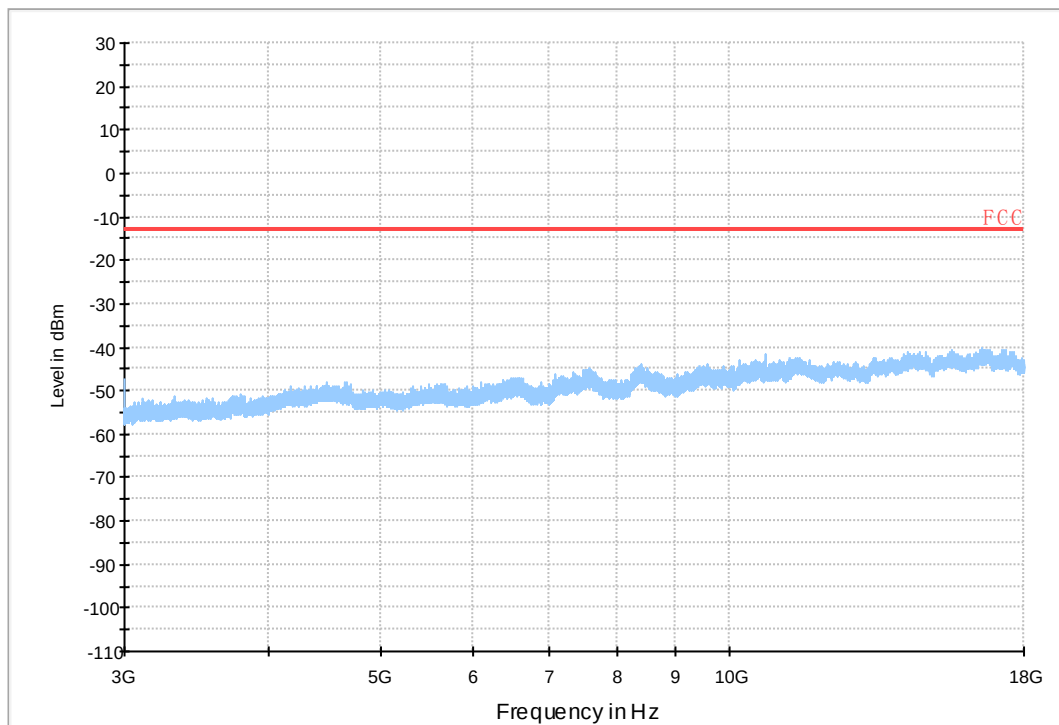
7.1.2.1 Test Mode = GSM/TM1



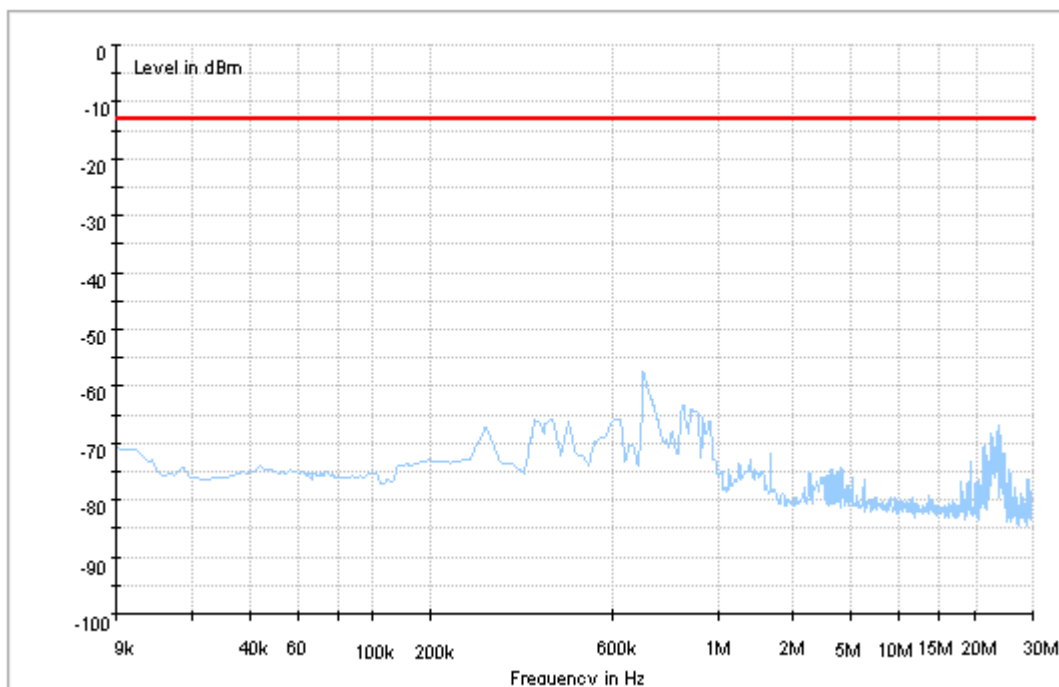
Copy of FCC PART24 GSM1900_L



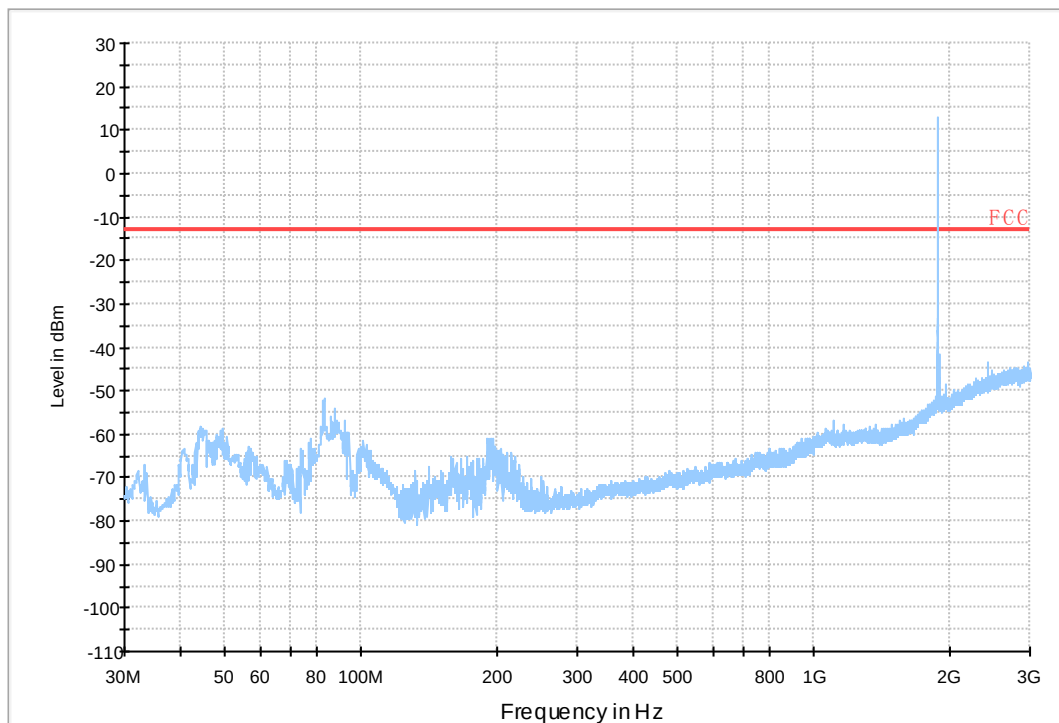
Copy of FCC PART 24 GSM1900_H



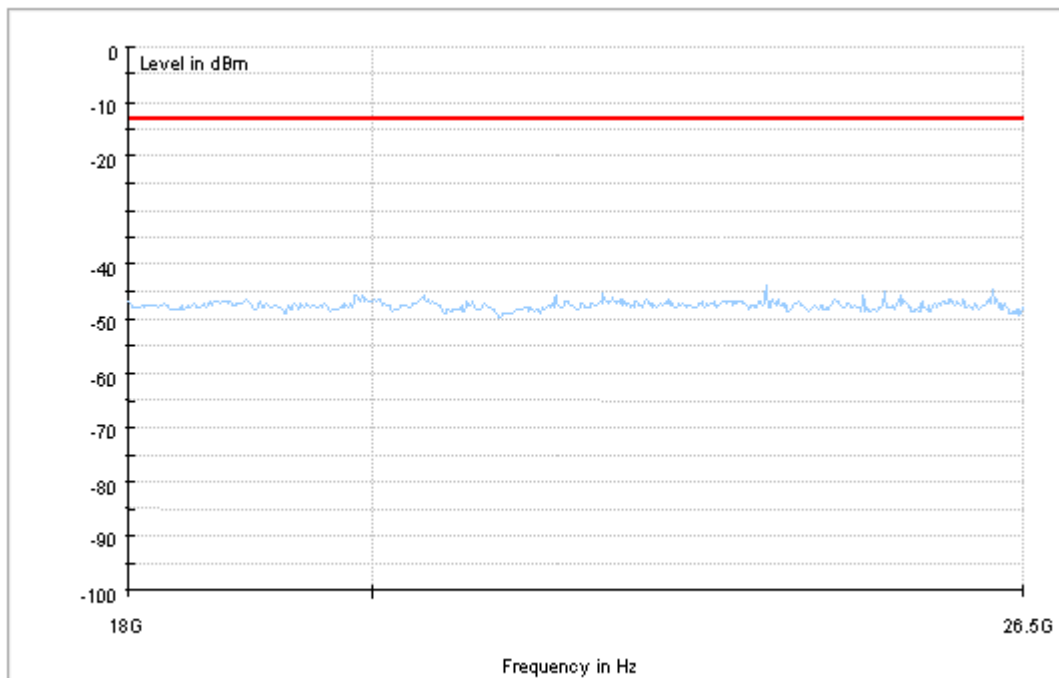
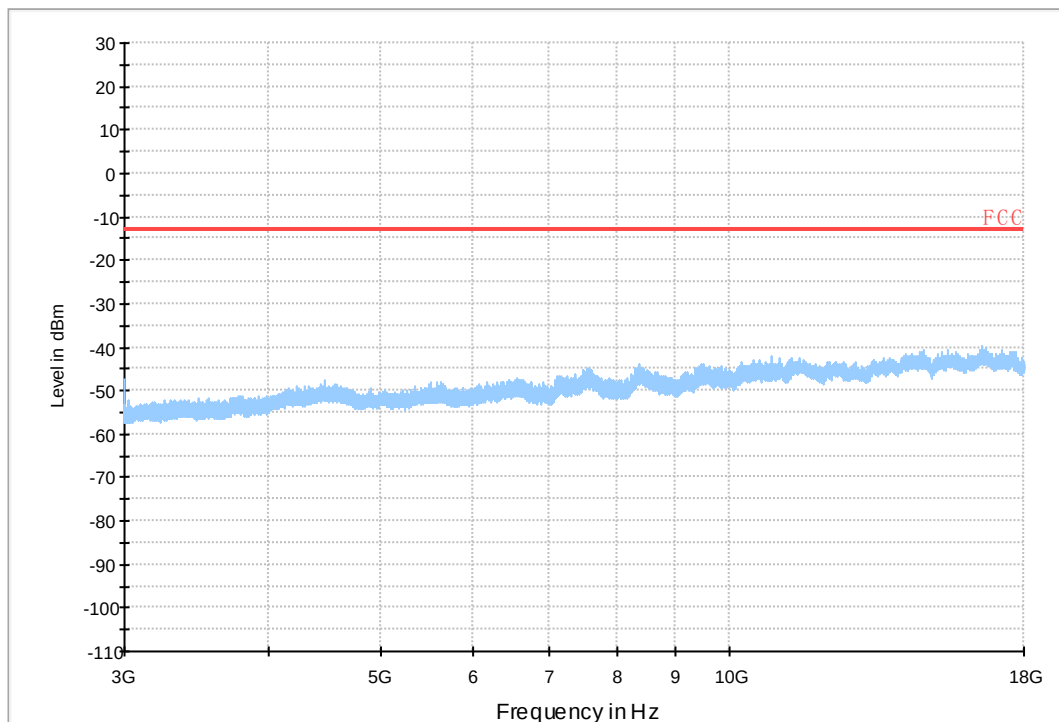
7.1.2.2 Test Mode = GSM/TM2



Copy of FCC PART 24 GSM1900_L



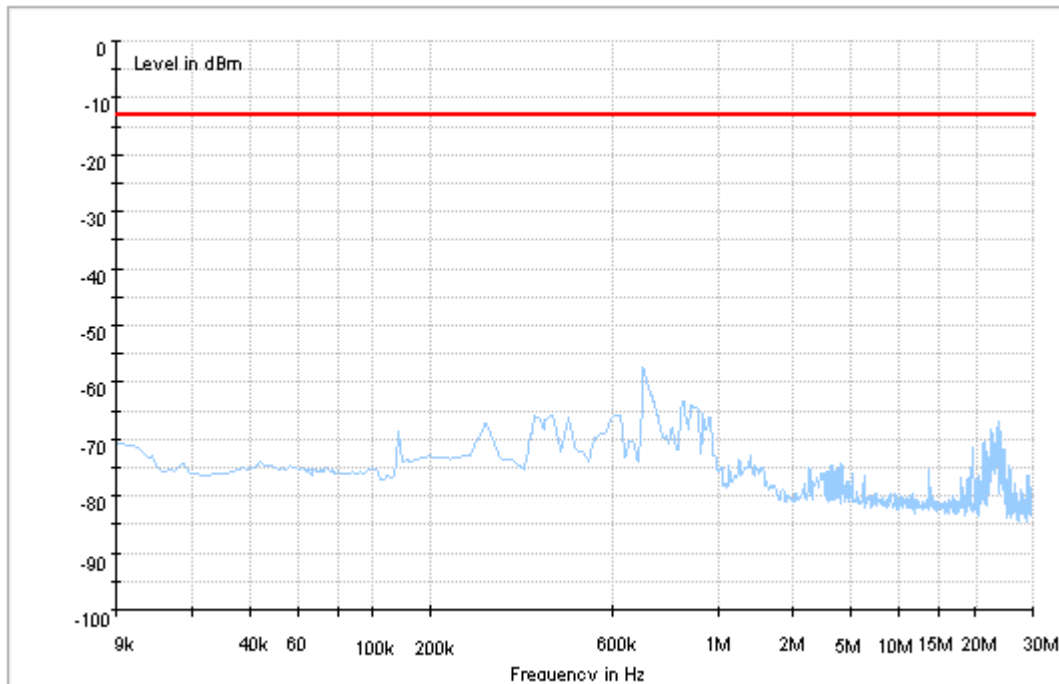
Copy of FCC PART 24 GSM1900_H



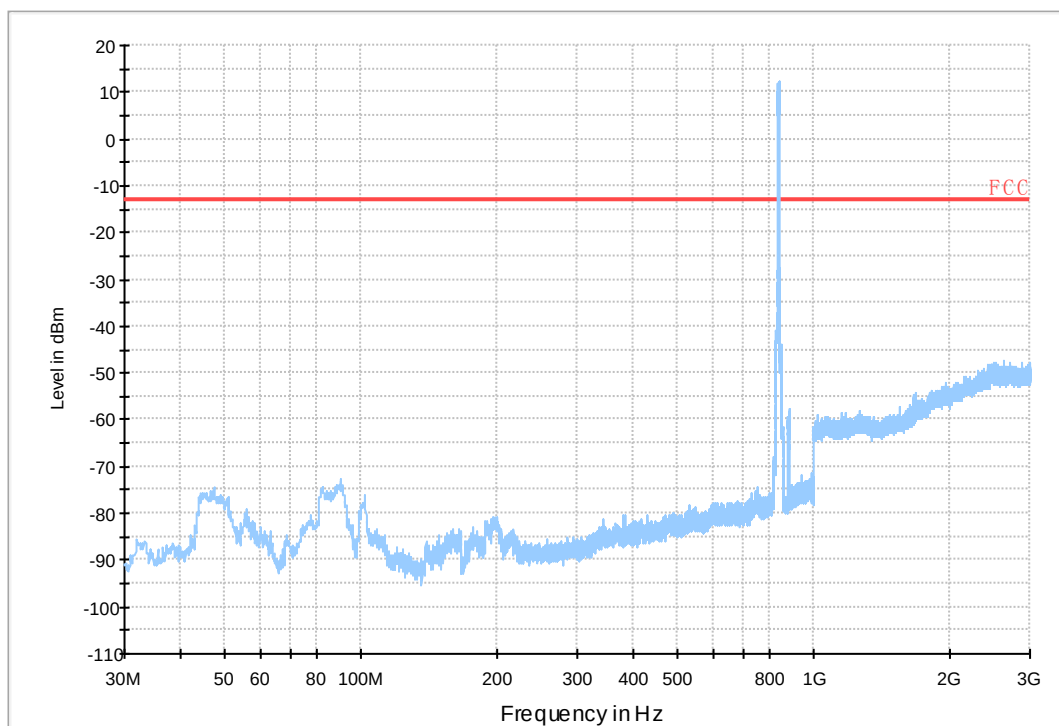
7.2 For UMTS

7.2.1 Test Band = WCDMA850

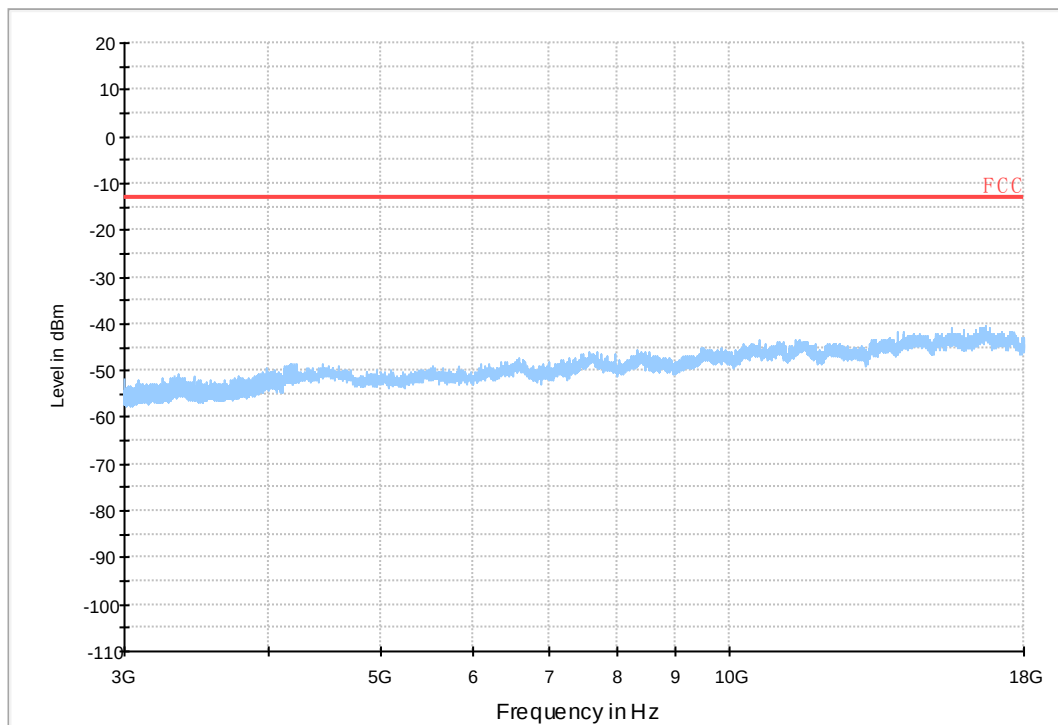
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

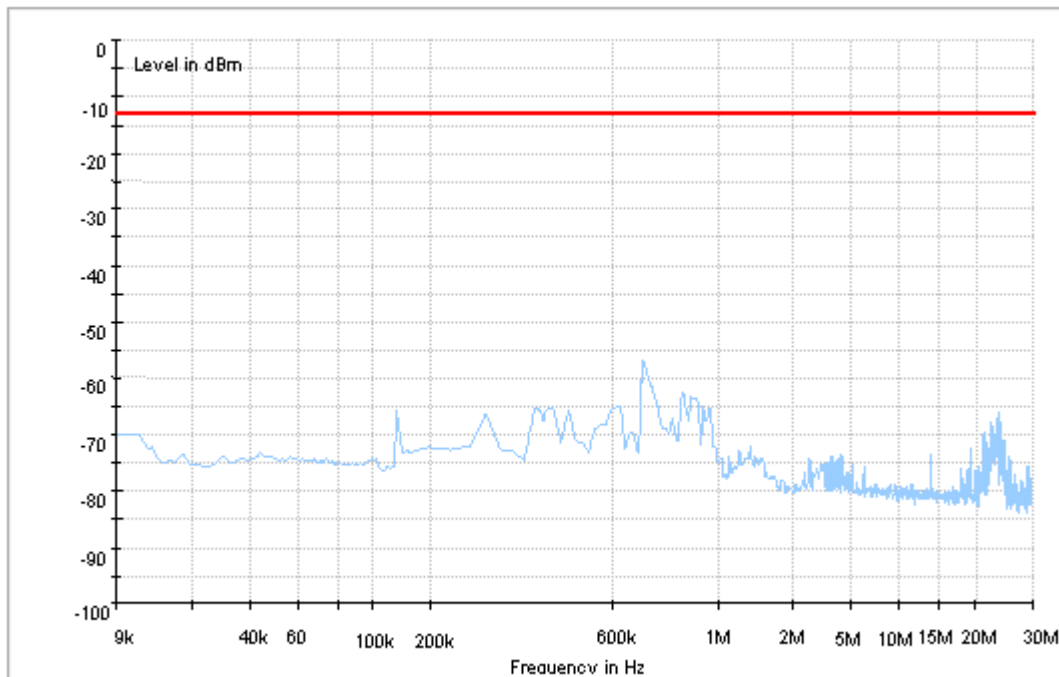


Copy of FCC PART 22 WCDMA850_H

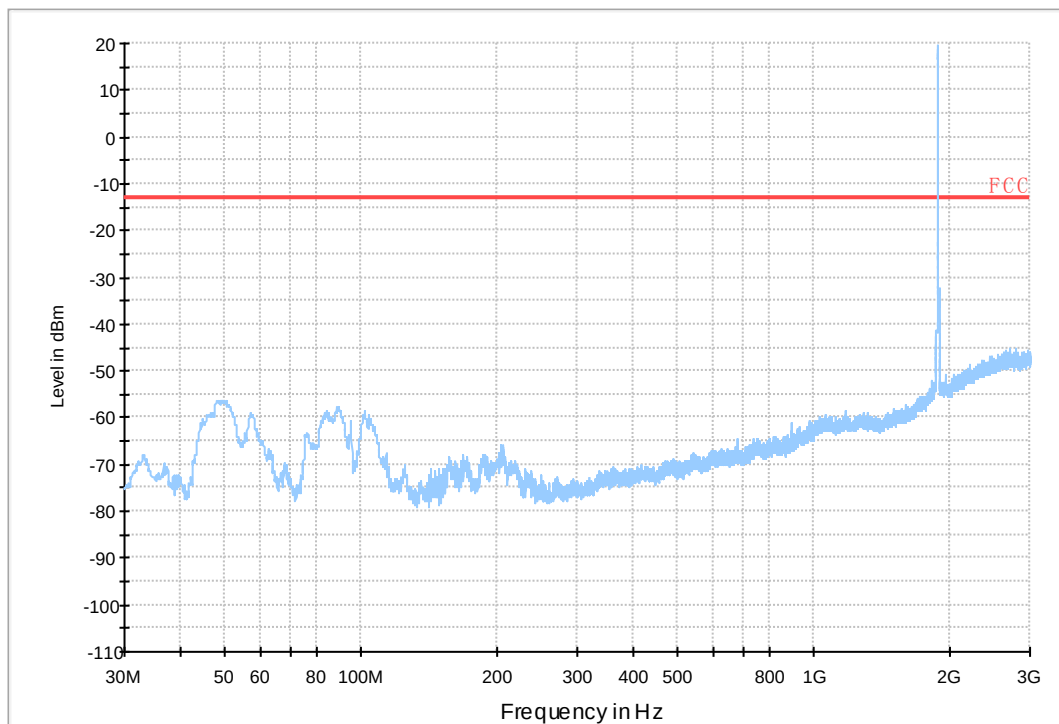


7.2.2 Test Band = WCDMA1900

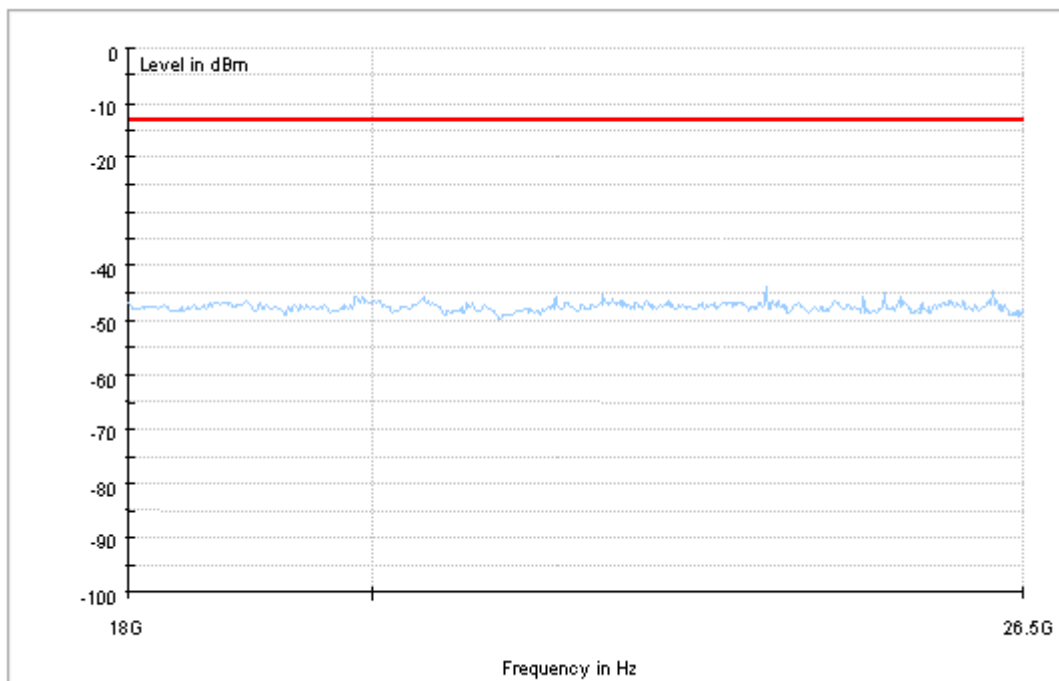
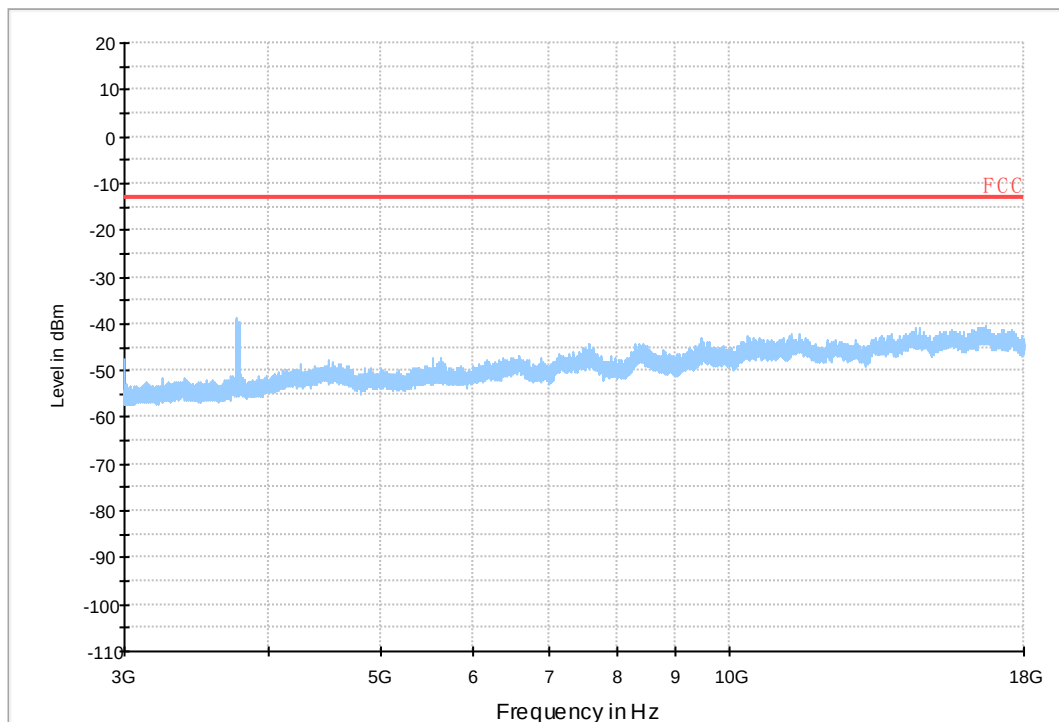
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART 24 WCDMA1900_L

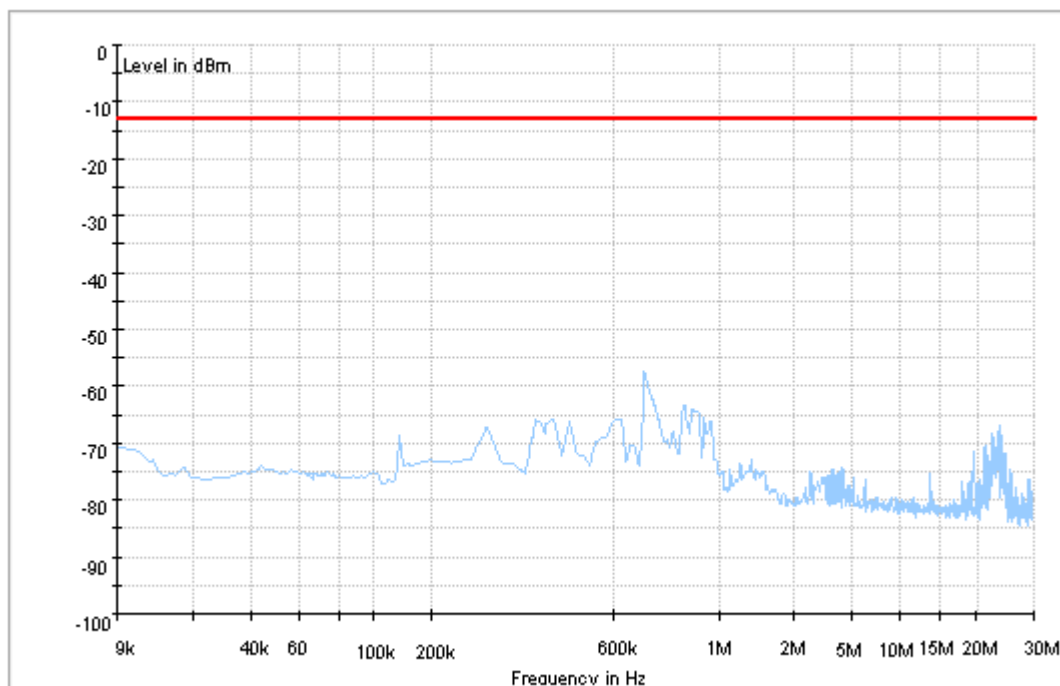


Copy of FCC PART 24 WCDMA1900_H

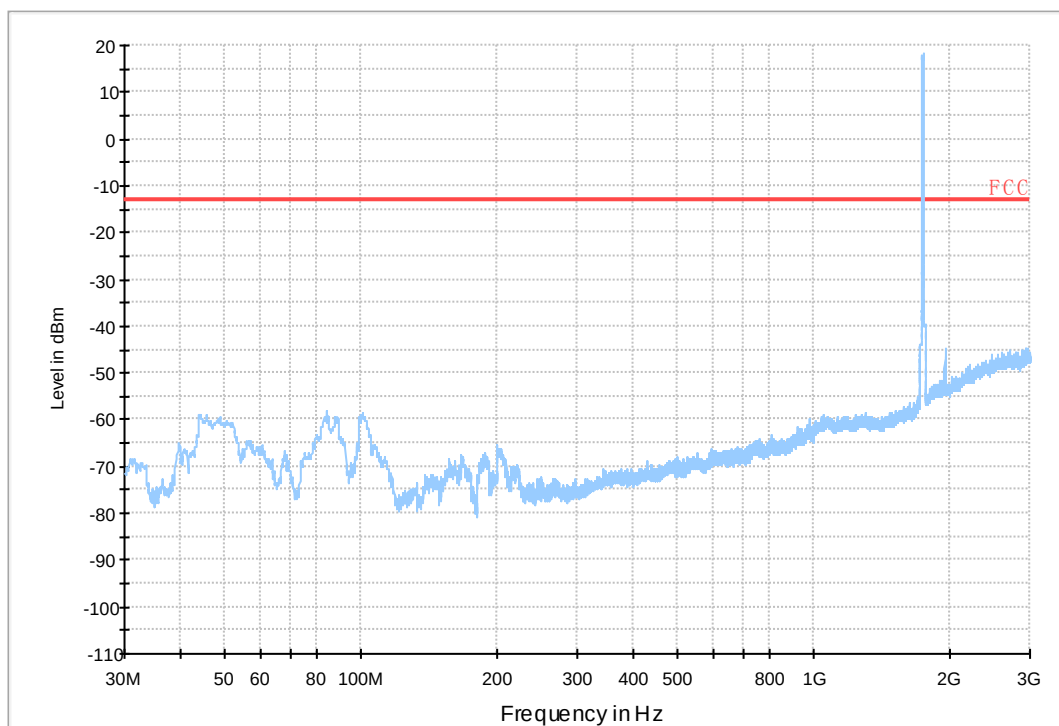


7.2.3 Test Band = WCDMA1700

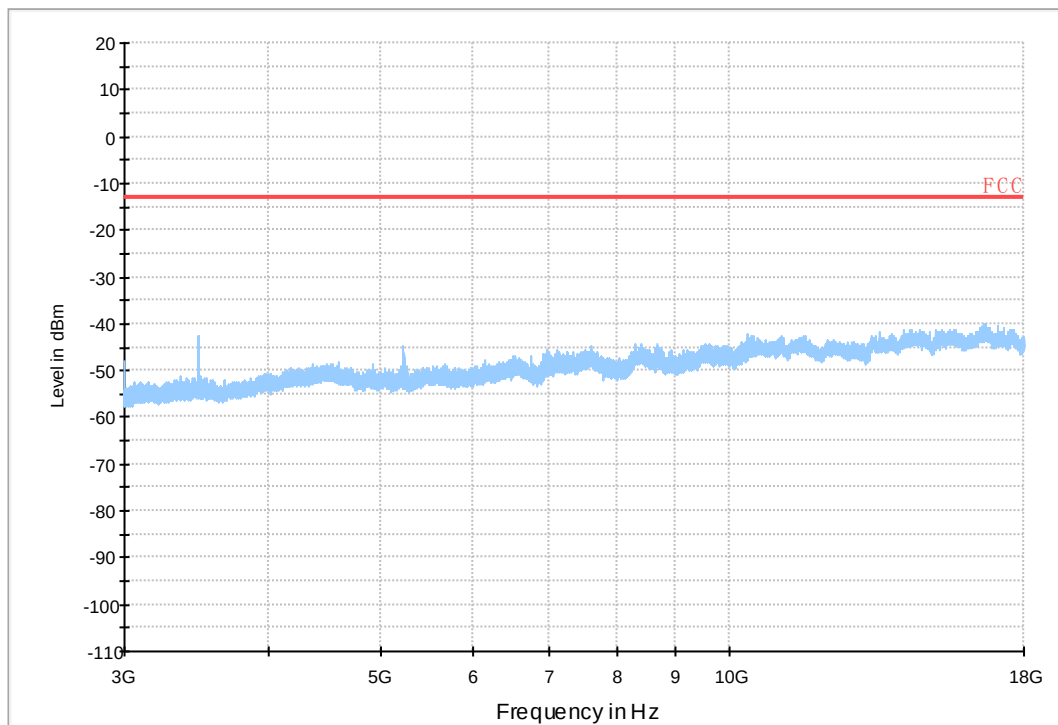
7.2.3.1 Test Mode = UMTS/TM1



Copy of FCC PART 27 WCDMA1700_L



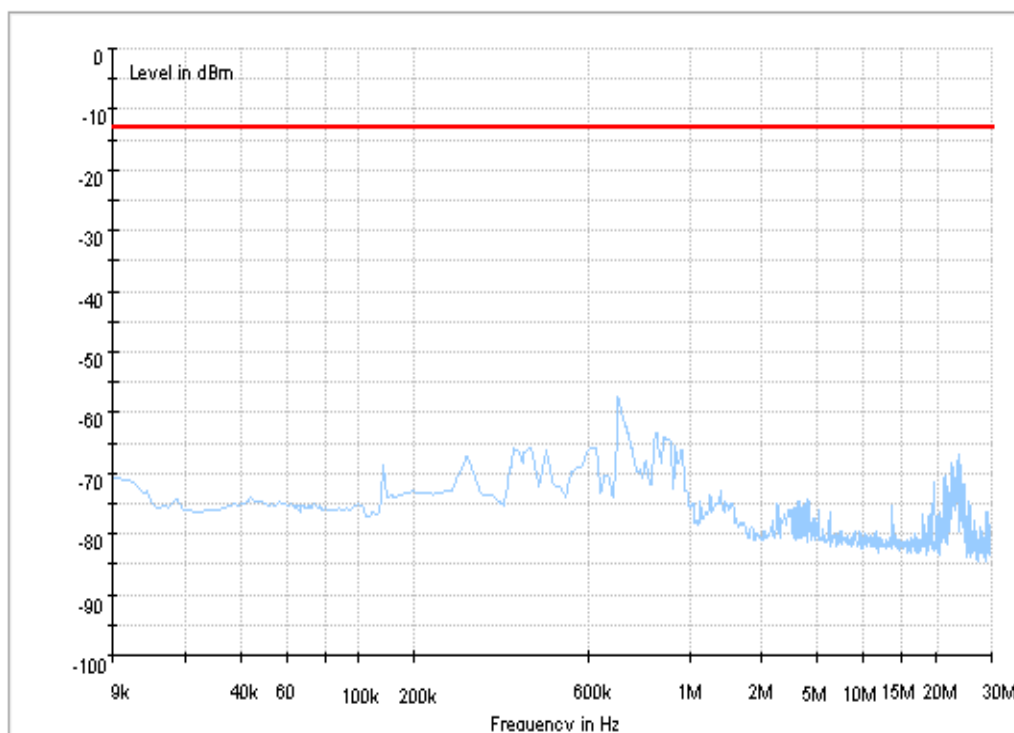
Copy of FCC PART 27 WCDMA1700_H



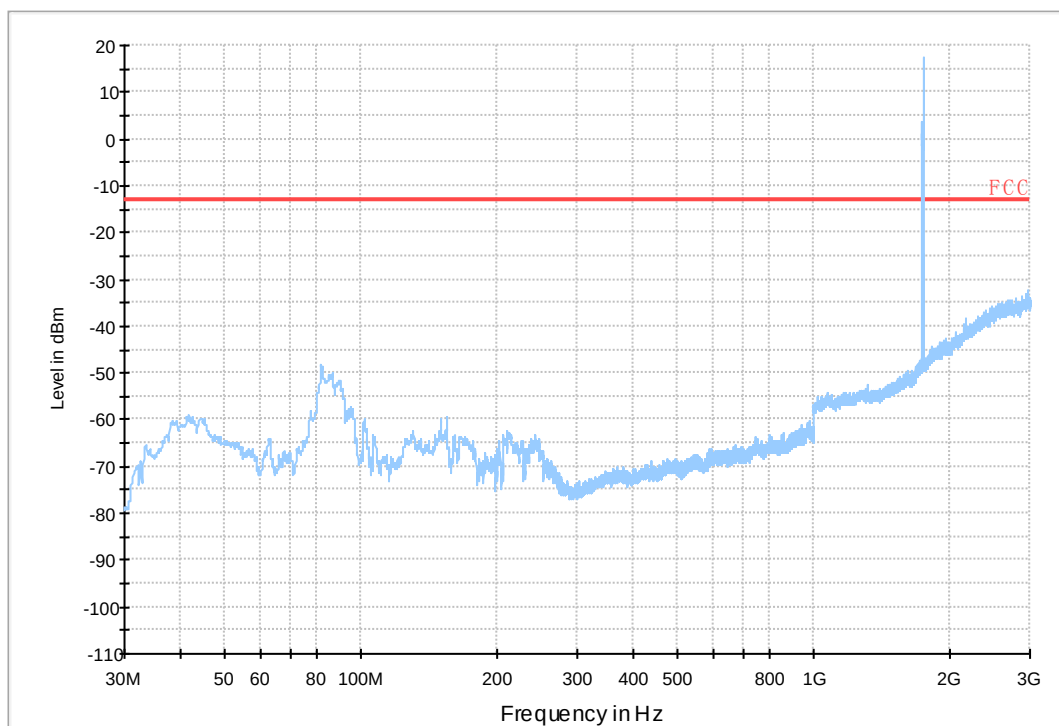
7.3 For LTE

7.3.1 Test Band = BAND4

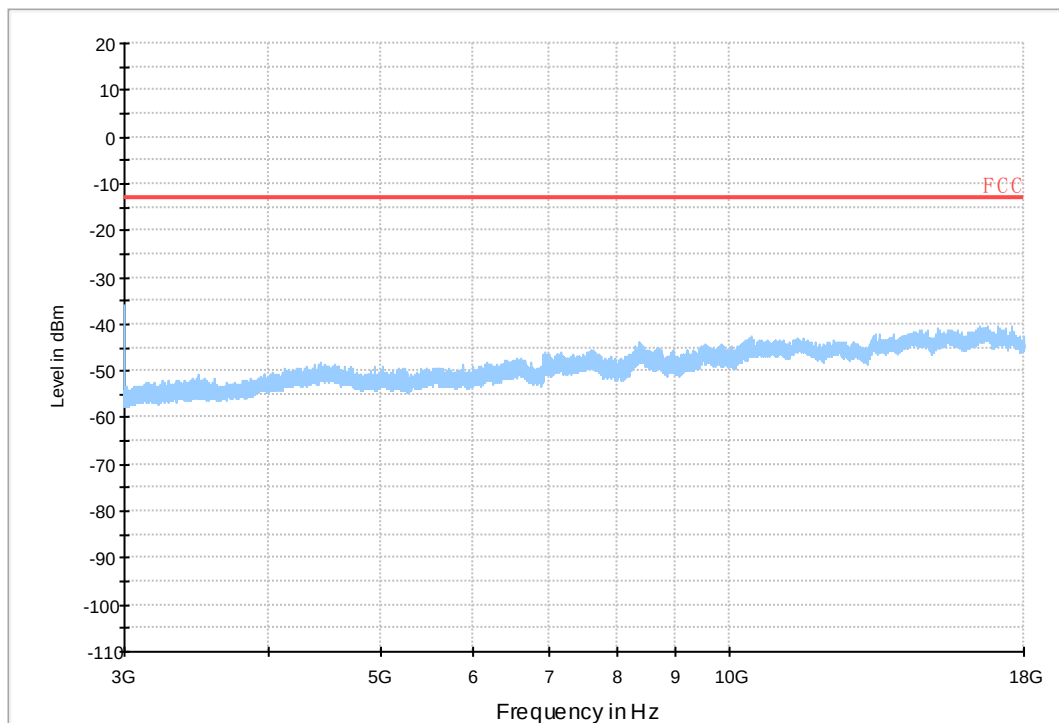
7.3.1.1 Test Bandwidth = 1.4



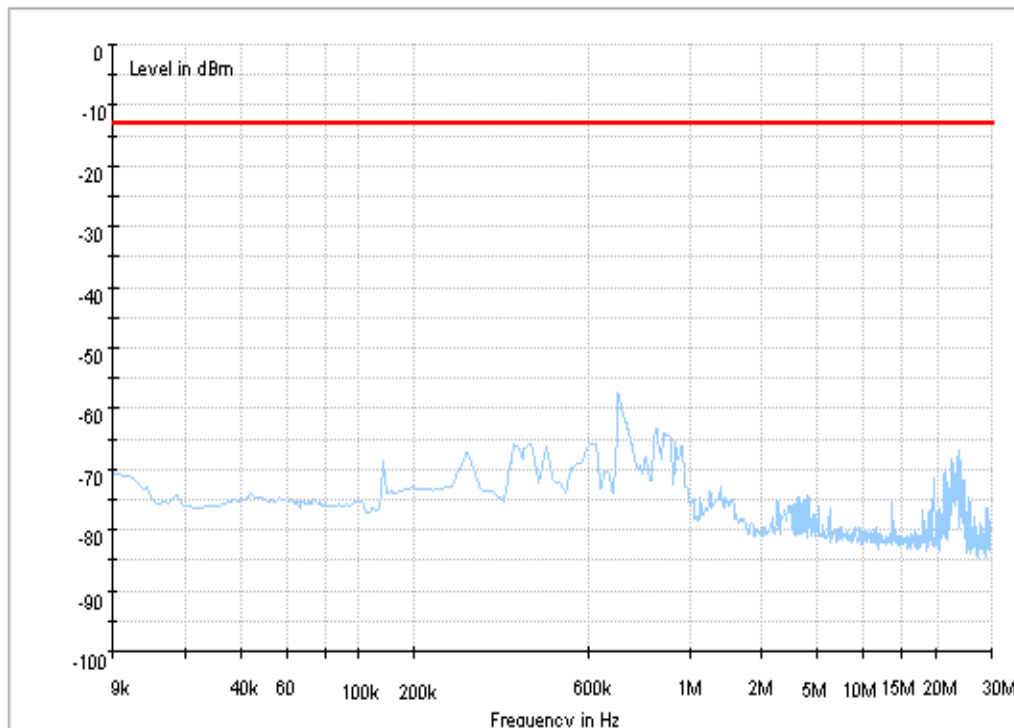
Copy of FCC PART 27 LTE Band 4_L



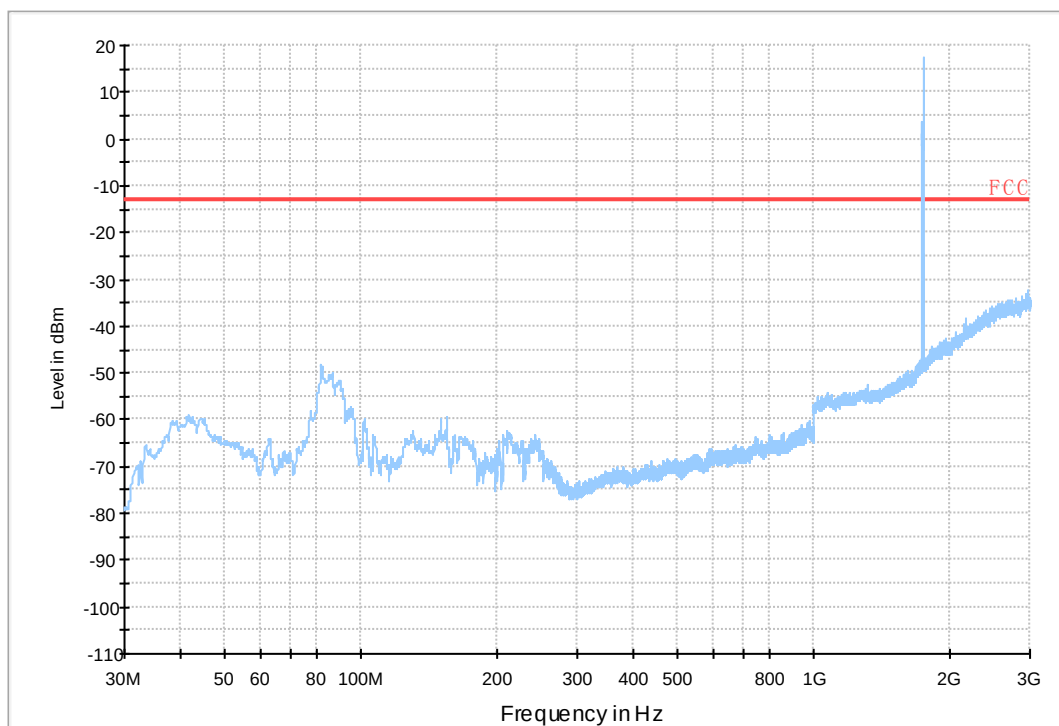
Copy of FCC PART 27 LTE Band 4_H



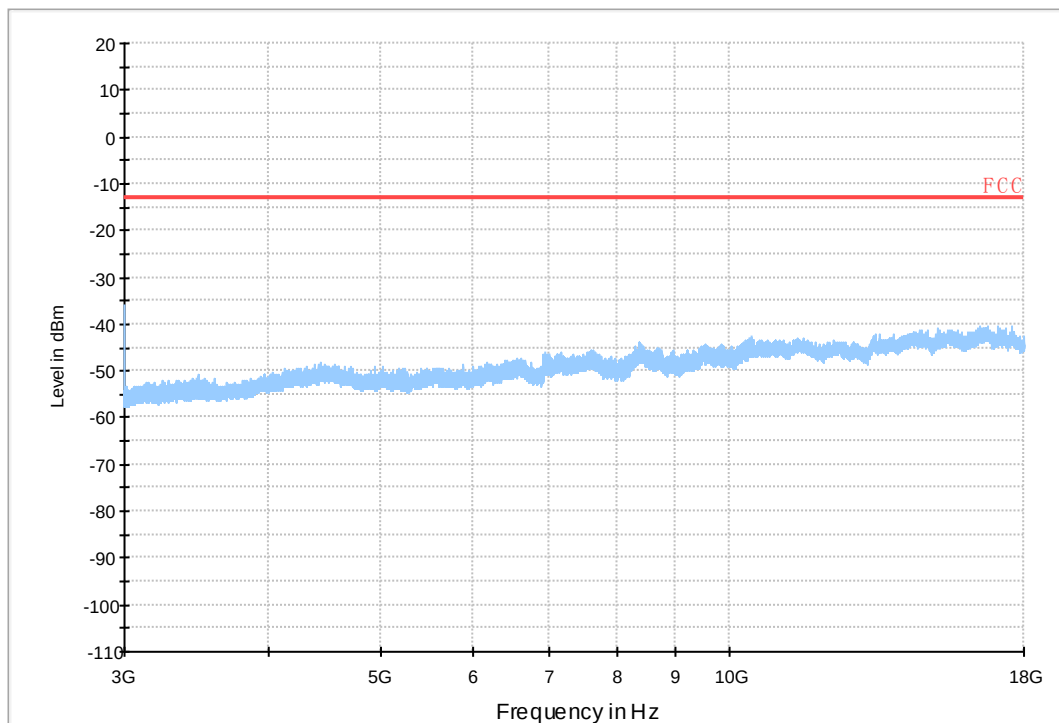
7.3.1.2 Test Bandwidth = 5



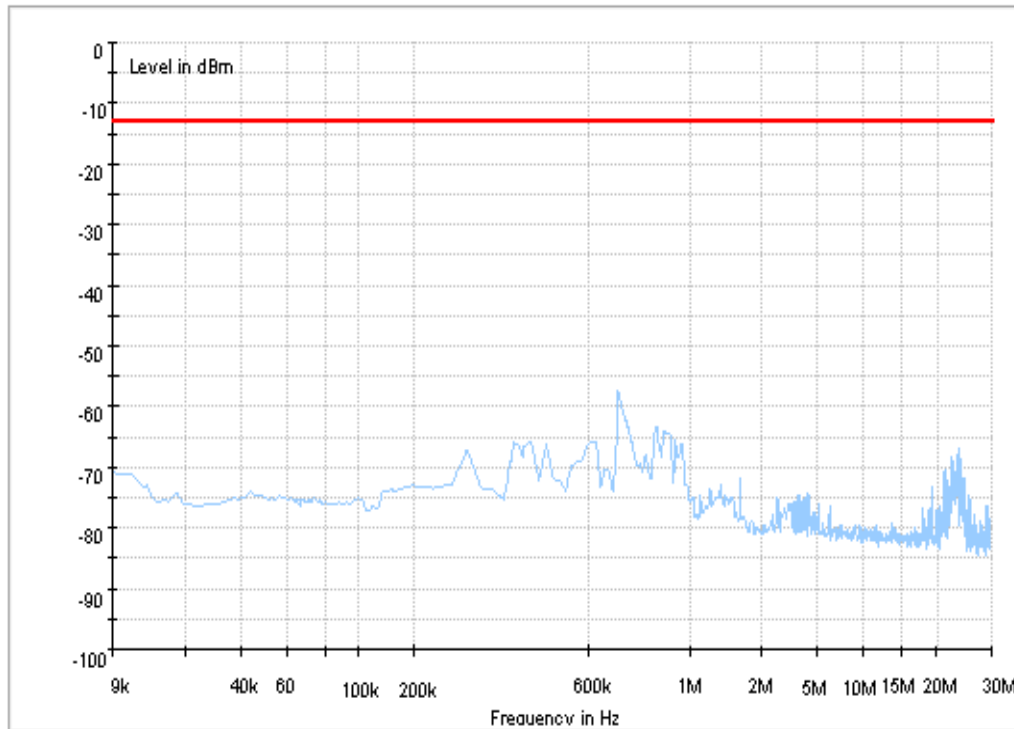
Copy of FCC PART 27 LTE Band 4_L



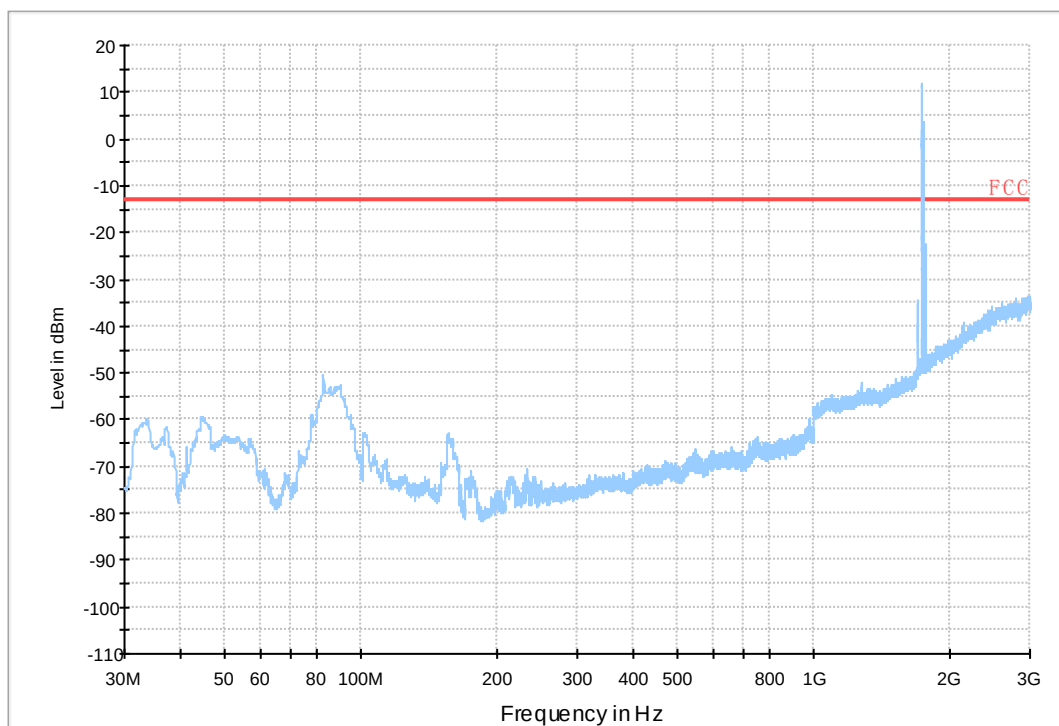
Copy of FCC PART 27 LTE Band 4_H



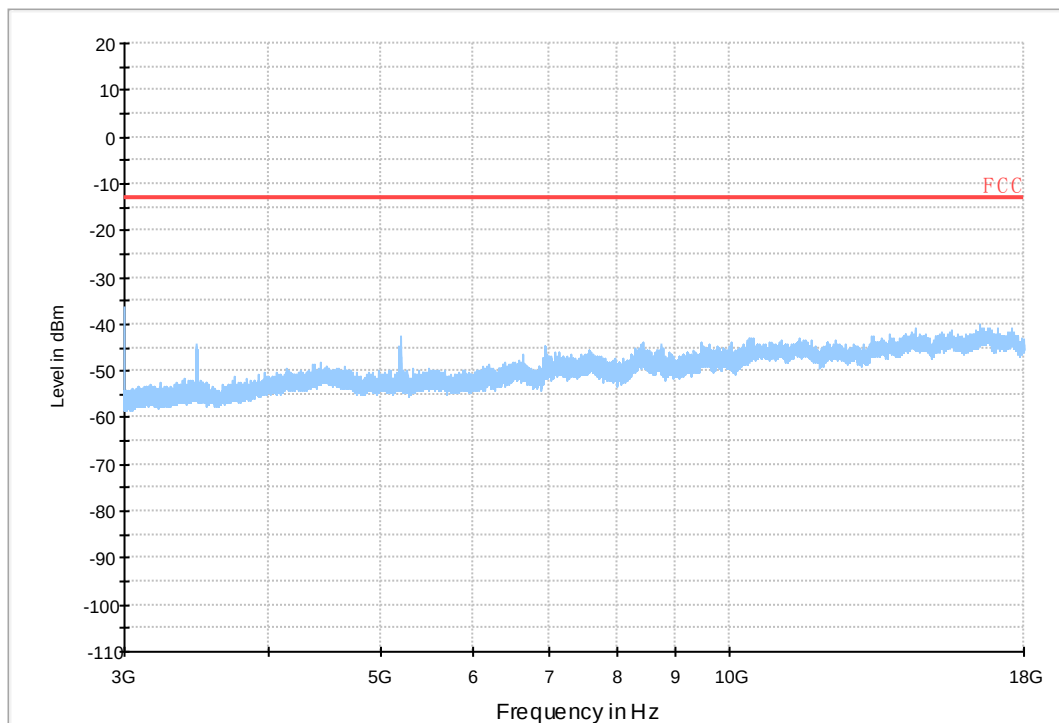
7.3.1.3 Test Bandwidth = 20



Copy of FCC PART 27 LTE Band 4_L

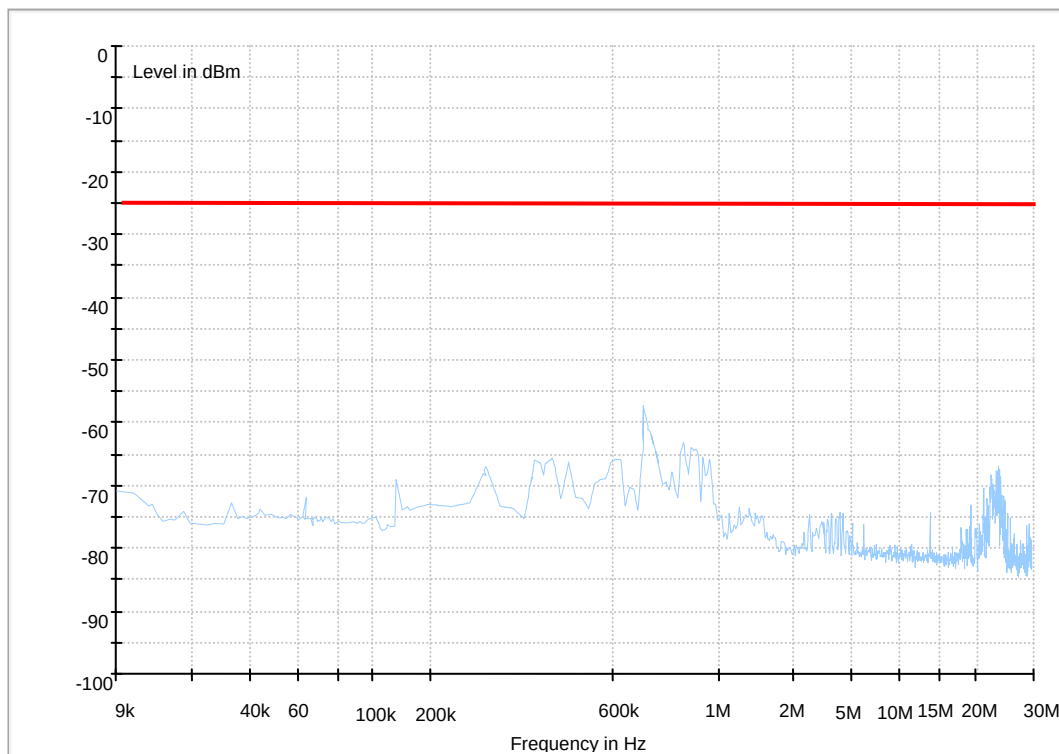


Copy of FCC PART 27 LTE Band 4_H

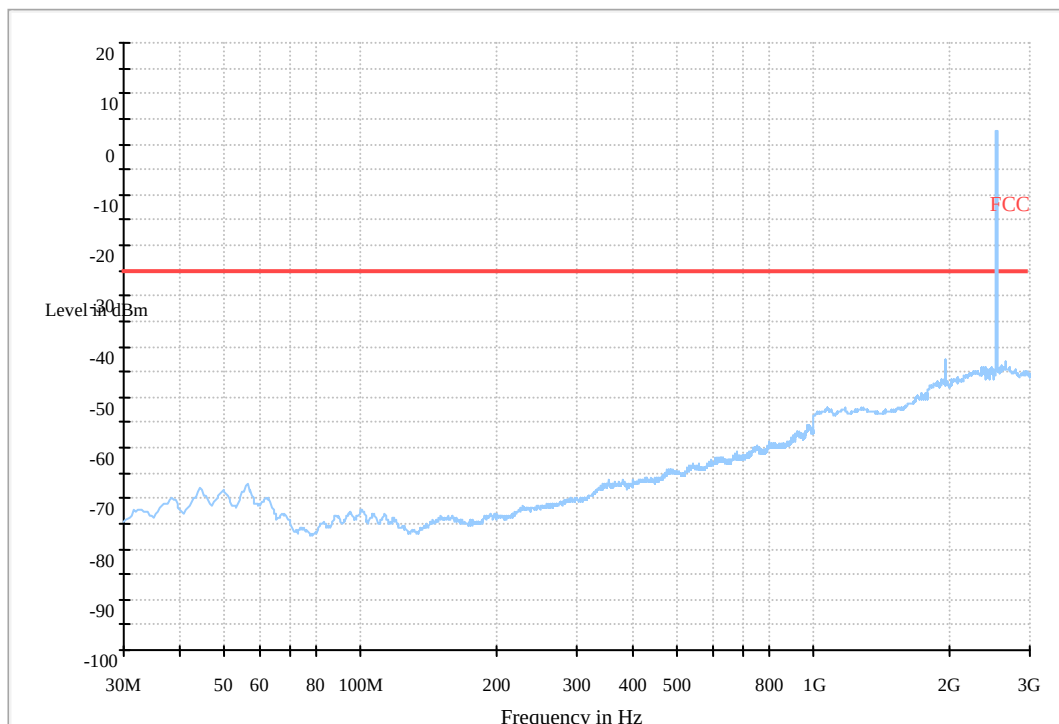


7.3.2 Test Band = BAND7

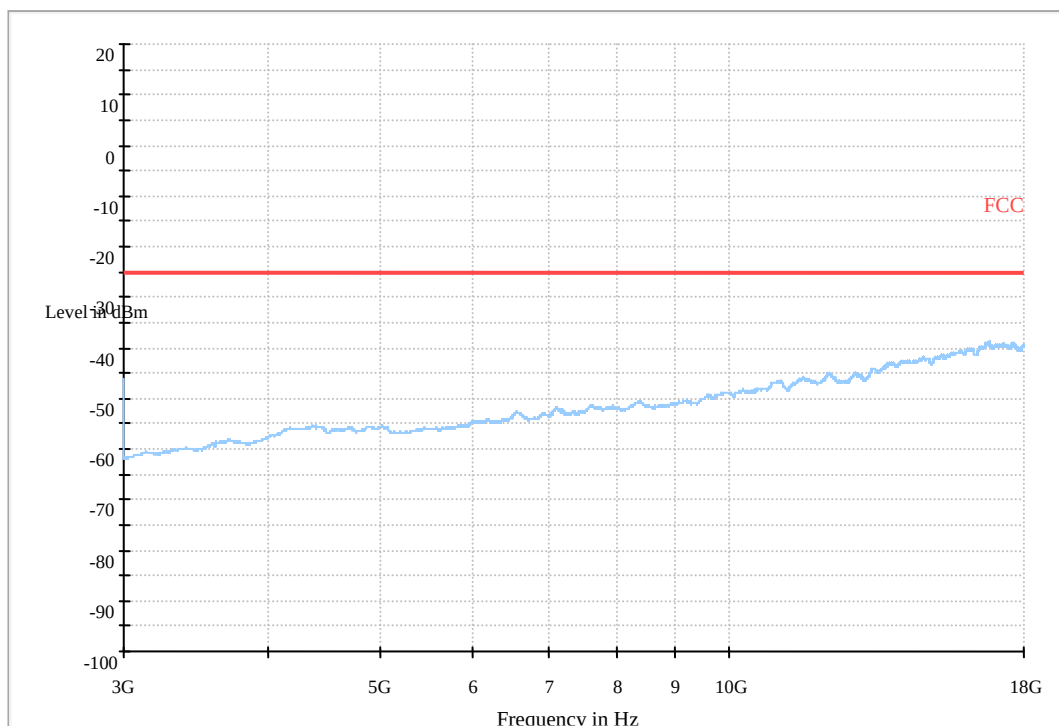
7.3.2.1 Test Bandwidth = 5

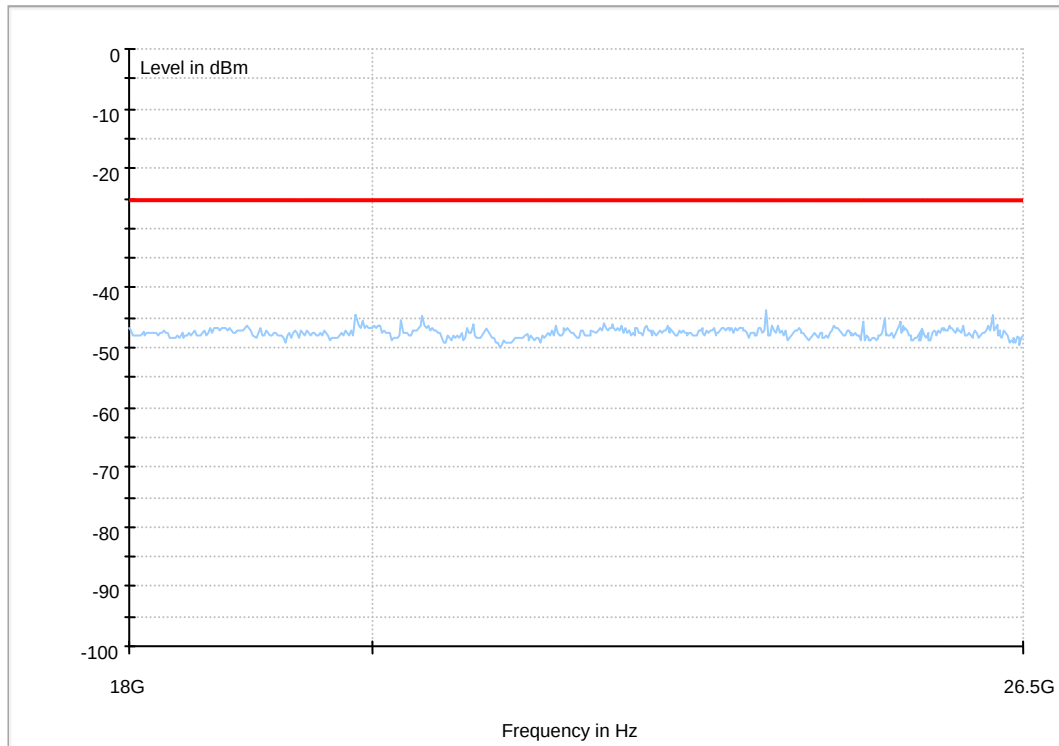


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

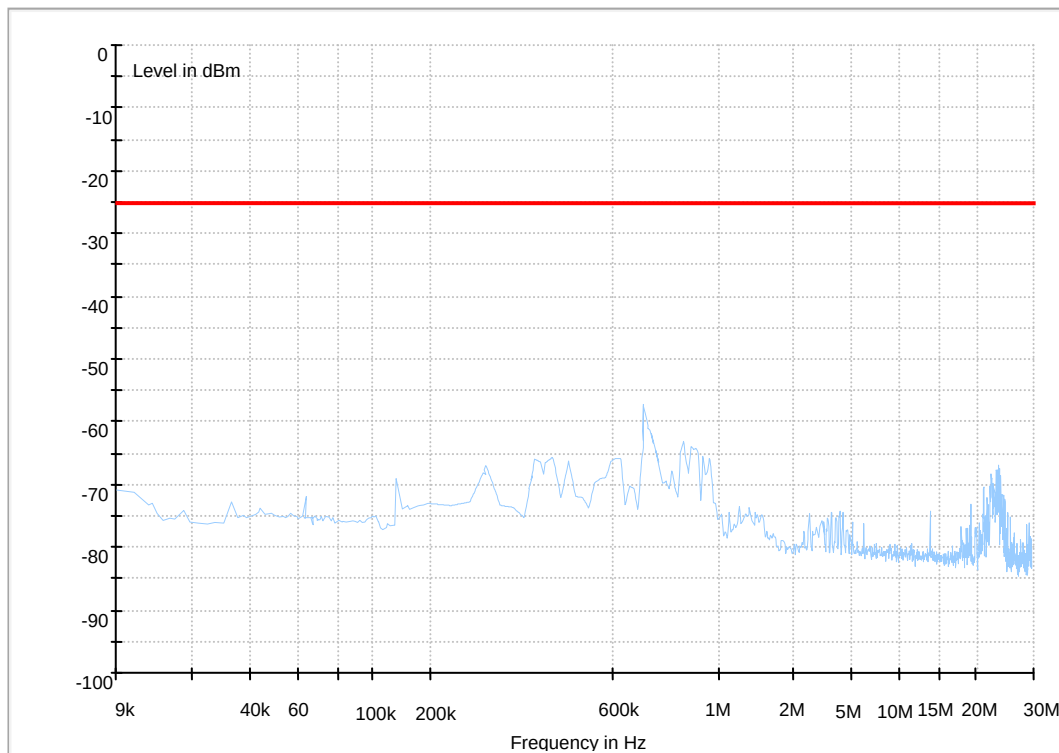


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

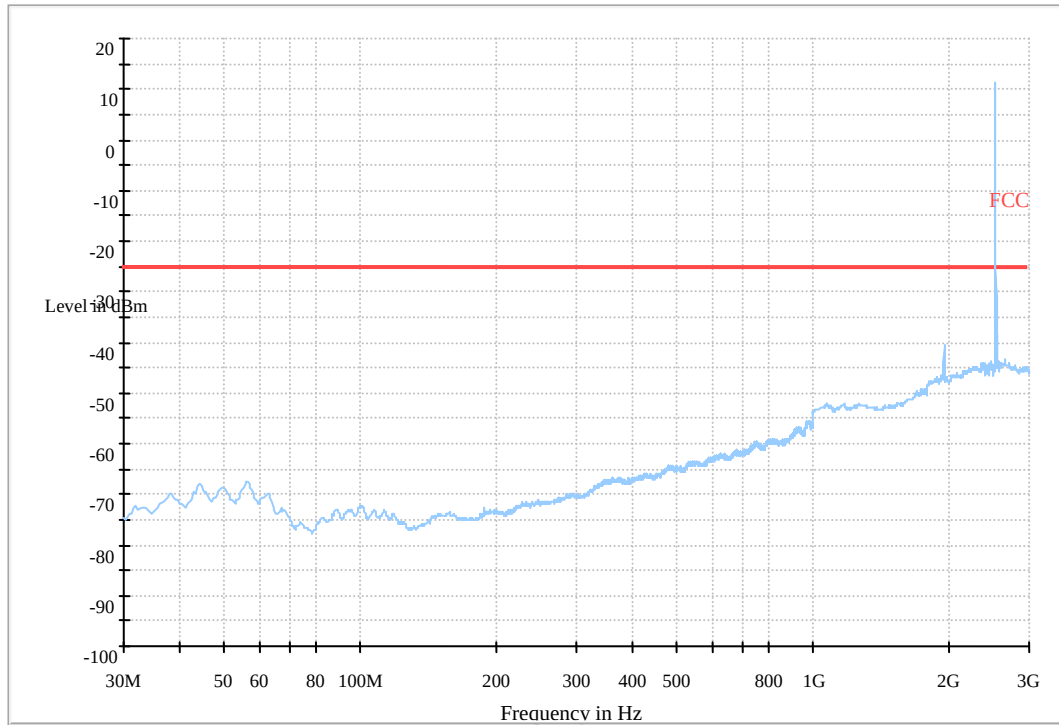




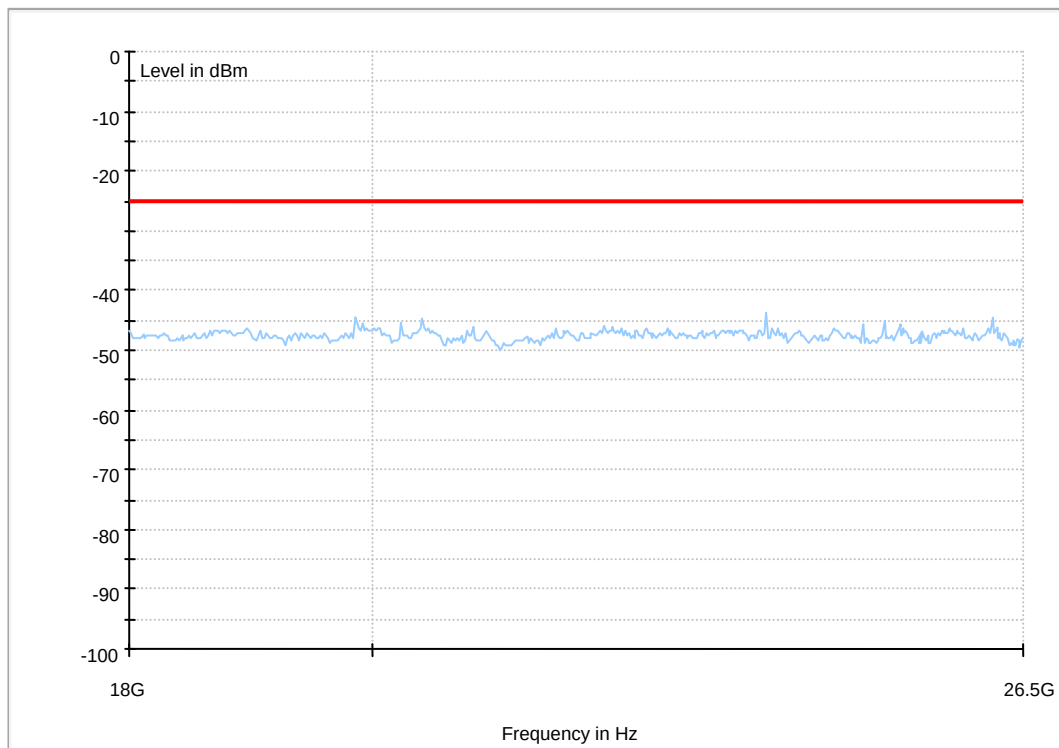
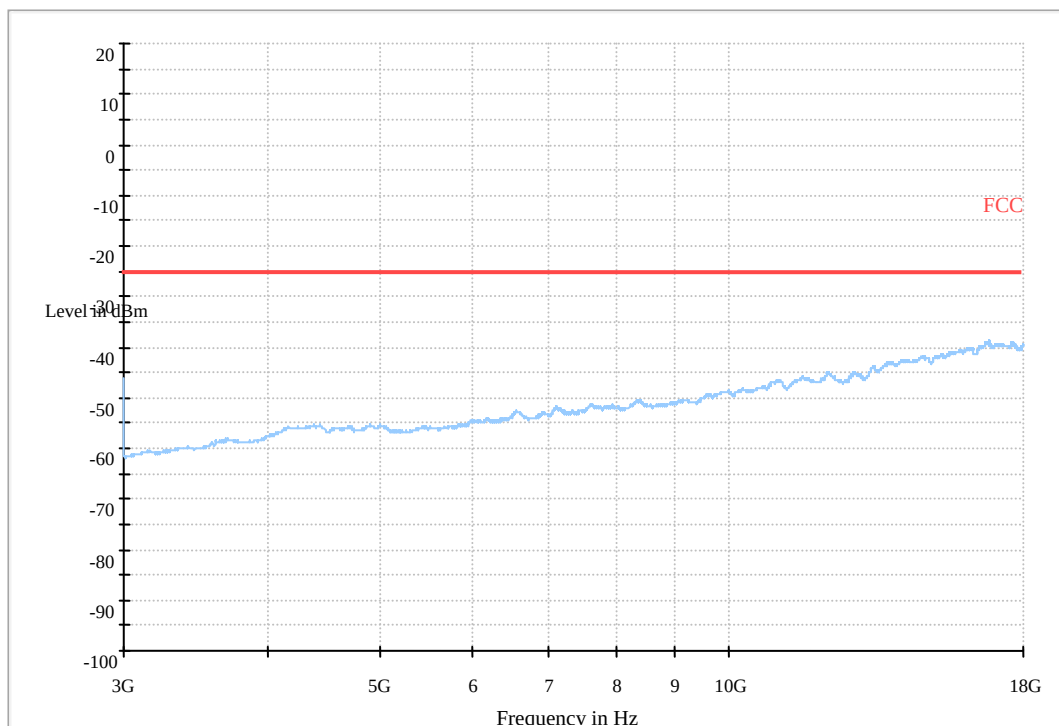
7.3.2.2 Test Bandwidth = 20



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 GSM

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-2.91	-0.00353	±2.5	PASS
				VN	-7.81	-0.00948	±2.5	PASS
				VH	0.71	0.00086	±2.5	PASS
		MCH	TN	VL	-7.55	-0.00902	±2.5	PASS
				VN	-6.33	-0.00757	±2.5	PASS
				VH	-4.97	-0.00594	±2.5	PASS
		HCH	TN	VL	-1.03	-0.00121	±2.5	PASS
				VN	-5.75	-0.00677	±2.5	PASS
				VH	-9.17	-0.0108	±2.5	PASS
	GSM/TM2	LCH	TN	VL	-5.65	-0.00686	±2.5	PASS
				VN	-11.11	-0.01348	±2.5	PASS
				VH	-4.04	-0.0049	±2.5	PASS
		MCH	TN	VL	-7.10	-0.00849	±2.5	PASS
				VN	-15.37	-0.01837	±2.5	PASS
				VH	-7.81	-0.00934	±2.5	PASS
		HCH	TN	VL	-7.94	-0.00935	±2.5	PASS
				VN	-3.36	-0.00396	±2.5	PASS
				VH	-10.62	-0.01251	±2.5	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-12.79	-0.00691	±2.5	PASS
				VN	-10.14	-0.00548	±2.5	PASS
				VH	-8.59	-0.00464	±2.5	PASS
		MCH	TN	VL	-2.45	-0.0013	±2.5	PASS
				VN	-1.74	-0.00093	±2.5	PASS
				VH	-7.43	-0.00395	±2.5	PASS
		HCH	TN	VL	-1.10	-0.00058	±2.5	PASS
				VN	-8.33	-0.00436	±2.5	PASS
				VH	-18.98	-0.00994	±2.5	PASS
	GSM/TM2	LCH	TN	VL	3.78	0.00204	±2.5	PASS
				VN	-5.52	-0.00298	±2.5	PASS
				VH	-7.78	-0.0042	±2.5	PASS
		MCH	TN	VL	-18.76	-0.00998	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				VN	-1.94	-0.00103	±2.5	PASS
				VH	-14.37	-0.00764	±2.5	PASS
		HCH	TN	VL	-6.88	-0.0036	±2.5	PASS
				VN	-10.69	-0.0056	±2.5	PASS
				VH	-9.43	-0.00494	±2.5	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-1.81	-0.00220	±2.5	PASS
				-20	-1.10	-0.00133	±2.5	PASS
				-10	-1.42	-0.00172	±2.5	PASS
				0	-3.36	-0.00408	±2.5	PASS
				10	1.42	0.00172	±2.5	PASS
				20	2.65	0.00322	±2.5	PASS
				30	2.32	0.00281	±2.5	PASS
				40	0.84	0.00102	±2.5	PASS
				50	5.94	0.00721	±2.5	PASS
		MCH	VN	-30	0.00	0.00000	±2.5	PASS
				-20	2.71	0.00324	±2.5	PASS
				-10	-0.52	-0.00062	±2.5	PASS
				0	-1.87	-0.00224	±2.5	PASS
				10	0.52	0.00062	±2.5	PASS
				20	-1.03	-0.00123	±2.5	PASS
				30	1.03	0.00123	±2.5	PASS
				40	1.61	0.00192	±2.5	PASS
				50	2.45	0.00293	±2.5	PASS
		HCH	VN	-30	0.26	0.00031	±2.5	PASS
				-20	4.91	0.00578	±2.5	PASS
				-10	-0.71	-0.00084	±2.5	PASS
				0	-1.16	-0.00137	±2.5	PASS
				10	-0.90	-0.00106	±2.5	PASS
				20	-1.16	-0.00137	±2.5	PASS
				30	-1.36	-0.00160	±2.5	PASS
				40	-2.26	-0.00266	±2.5	PASS
				50	-0.19	-0.00022	±2.5	PASS
	GSM/TM2	LCH	VN	-30	-4.49	-0.00545	±2.5	PASS
				-20	-1.23	-0.00149	±2.5	PASS
				-10	-5.23	-0.00635	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				0	-4.04	-0.00490	±2.5	PASS
				10	-3.20	-0.00388	±2.5	PASS
				20	-1.90	-0.00231	±2.5	PASS
				30	-10.04	-0.01218	±2.5	PASS
				40	0.81	0.00098	±2.5	PASS
				50	1.03	0.00125	±2.5	PASS
		MCH	VN	-30	0.29	0.00035	±2.5	PASS
				-20	-0.36	-0.00043	±2.5	PASS
				-10	-8.52	-0.01018	±2.5	PASS
				0	-2.13	-0.00255	±2.5	PASS
				10	-1.87	-0.00224	±2.5	PASS
				20	-3.68	-0.00440	±2.5	PASS
				30	0.19	0.00023	±2.5	PASS
				40	-5.55	-0.00663	±2.5	PASS
				50	-6.26	-0.00748	±2.5	PASS
		HCH	VN	-30	-5.59	-0.00659	±2.5	PASS
				-20	-7.07	-0.00833	±2.5	PASS
				-10	-4.94	-0.00582	±2.5	PASS
				0	-3.68	-0.00434	±2.5	PASS
				10	-10.11	-0.01191	±2.5	PASS
				20	-9.52	-0.01122	±2.5	PASS
				30	-1.39	-0.00164	±2.5	PASS
				40	-8.46	-0.00997	±2.5	PASS
				50	-3.52	-0.00415	±2.5	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-14.85	-0.00803	±2.5	PASS
				-20	-8.78	-0.00475	±2.5	PASS
				-10	-13.95	-0.00754	±2.5	PASS
				0	-2.13	-0.00115	±2.5	PASS
				10	1.74	0.00094	±2.5	PASS
				20	-4.97	-0.00269	±2.5	PASS
				30	-13.75	-0.00743	±2.5	PASS
				40	-10.33	-0.00558	±2.5	PASS
				50	1.42	0.00077	±2.5	PASS
		MCH	VN	-30	-5.68	-0.00302	±2.5	PASS
				-20	-7.30	-0.00388	±2.5	PASS
				-10	-13.04	-0.00694	±2.5	PASS
				0	-0.58	-0.00031	±2.5	PASS
				10	-15.24	-0.00811	±2.5	PASS
				20	-7.55	-0.00402	±2.5	PASS
				30	2.52	0.00134	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				40	-8.78	-0.00467	±2.5	PASS
				50	-11.82	-0.00629	±2.5	PASS
		HCH	VN	-30	-14.59	-0.00764	±2.5	PASS
				-20	-5.10	-0.00267	±2.5	PASS
				-10	-6.65	-0.00348	±2.5	PASS
				0	-11.62	-0.00608	±2.5	PASS
				10	1.16	0.00061	±2.5	PASS
				20	2.71	0.00142	±2.5	PASS
				30	-6.20	-0.00325	±2.5	PASS
				40	-13.50	-0.00707	±2.5	PASS
				50	-2.07	-0.00108	±2.5	PASS
	GSM/TM2	LCH	VN	-30	-12.17	-0.00658	±2.5	PASS
				-20	-10.30	-0.00557	±2.5	PASS
				-10	-11.95	-0.00646	±2.5	PASS
				0	-15.17	-0.00820	±2.5	PASS
				10	-12.62	-0.00682	±2.5	PASS
				20	-15.69	-0.00848	±2.5	PASS
				30	-16.11	-0.00871	±2.5	PASS
				40	1.45	0.00078	±2.5	PASS
				50	-18.31	-0.00990	±2.5	PASS
		MCH	VN	-30	-6.55	-0.00348	±2.5	PASS
				-20	-16.27	-0.00865	±2.5	PASS
				-10	-0.16	-0.00009	±2.5	PASS
				0	-5.42	-0.00288	±2.5	PASS
				10	-4.81	-0.00256	±2.5	PASS
				20	-15.08	-0.00802	±2.5	PASS
				30	-23.12	-0.01230	±2.5	PASS
				40	-2.68	-0.00143	±2.5	PASS
				50	-20.47	-0.01089	±2.5	PASS
		HCH	VN	-30	-20.57	-0.01077	±2.5	PASS
				-20	-10.36	-0.00542	±2.5	PASS
				-10	-11.66	-0.00611	±2.5	PASS
				0	-16.69	-0.00874	±2.5	PASS
				10	-17.21	-0.00901	±2.5	PASS
				20	-20.89	-0.01094	±2.5	PASS
				30	-9.81	-0.00514	±2.5	PASS
				40	-7.10	-0.00372	±2.5	PASS
				50	-22.37	-0.01171	±2.5	PASS

8.2 For UMTS

8.2.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	TN	VL	0.47	0.00057	±2.5	PASS
				VN	3.20	0.00387	±2.5	PASS
				VH	0.93	0.00113	±2.5	PASS
		MCH	TN	VL	-0.93	-0.00111	±2.5	PASS
				VN	0.49	0.00059	±2.5	PASS
				VH	1.21	0.00145	±2.5	PASS
		HCH	TN	VL	-1.08	-0.00128	±2.5	PASS
				VN	-2.17	-0.00256	±2.5	PASS
				VH	-0.52	-0.00061	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-7.22	-0.0039	±2.5	PASS
				VN	-4.14	-0.00223	±2.5	PASS
				VH	-7.84	-0.00423	±2.5	PASS
		MCH	TN	VL	-6.47	-0.00344	±2.5	PASS
				VN	-9.43	-0.00502	±2.5	PASS
				VH	-5.72	-0.00304	±2.5	PASS
		HCH	TN	VL	-5.66	-0.00297	±2.5	PASS
				VN	-10.36	-0.00543	±2.5	PASS
				VH	-2.23	-0.00117	±2.5	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	4.07	0.00238	±2.5	PASS
				VN	1.62	0.00095	±2.5	PASS
				VH	3.94	0.0023	±2.5	PASS
		MCH	TN	VL	2.40	0.00139	±2.5	PASS
				VN	4.53	0.00261	±2.5	PASS
				VH	1.27	0.00073	±2.5	PASS
		HCH	TN	VL	-6.62	-0.00378	±2.5	PASS
				VN	-6.82	-0.00389	±2.5	PASS
				VH	-6.58	-0.00375	±2.5	PASS

8.2.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
WCDMA850	UMTS/TM1	LCH	VN	-30	2.79	0.00338	±2.5	PASS
				-20	1.56	0.00189	±2.5	PASS
				-10	0.70	0.00085	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				0	-2.61	-0.00316	±2.5	PASS
				10	0.64	0.00077	±2.5	PASS
				20	-1.77	-0.00214	±2.5	PASS
				30	1.71	0.00207	±2.5	PASS
				40	0.02	0.00002	±2.5	PASS
				50	-0.99	-0.0012	±2.5	PASS
		MCH	VN	-30	-1.74	-0.00208	±2.5	PASS
				-20	-1.01	-0.00121	±2.5	PASS
				-10	-0.27	-0.00032	±2.5	PASS
				0	-1.28	-0.00153	±2.5	PASS
				10	2.40	0.00287	±2.5	PASS
				20	1.82	0.00218	±2.5	PASS
				30	1.71	0.00204	±2.5	PASS
				40	0.17	0.0002	±2.5	PASS
				50	-0.29	-0.00035	±2.5	PASS
		HCH	VN	-30	-0.09	-0.00011	±2.5	PASS
				-20	0.73	0.00086	±2.5	PASS
				-10	0.64	0.00076	±2.5	PASS
				0	-1.46	-0.00172	±2.5	PASS
				10	1.63	0.00193	±2.5	PASS
				20	-2.75	-0.00325	±2.5	PASS
				30	2.73	0.00322	±2.5	PASS
				40	-0.50	-0.00059	±2.5	PASS
				50	-2.53	-0.00299	±2.5	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-5.36	-0.00289	±2.5	PASS
				-20	-8.83	-0.00477	±2.5	PASS
				-10	-5.84	-0.00315	±2.5	PASS
				0	-7.37	-0.00398	±2.5	PASS
				10	-5.52	-0.00298	±2.5	PASS
				20	-3.98	-0.00215	±2.5	PASS
				30	-9.83	-0.00531	±2.5	PASS
				40	-5.58	-0.00301	±2.5	PASS
				50	-4.61	-0.00249	±2.5	PASS
		MCH	VN	-30	-6.81	-0.00362	±2.5	PASS
				-20	-8.16	-0.00434	±2.5	PASS
				-10	-4.38	-0.00233	±2.5	PASS
				0	-7.80	-0.00415	±2.5	PASS
				10	-5.14	-0.00273	±2.5	PASS
				20	-6.47	-0.00344	±2.5	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [ppm]	Verdict
				30	-9.17	-0.00488	±2.5	PASS
				40	-8.04	-0.00428	±2.5	PASS
				50	-6.04	-0.00321	±2.5	PASS
		HCH	VN	-30	-6.29	-0.0033	±2.5	PASS
				-20	-6.58	-0.00345	±2.5	PASS
				-10	-7.81	-0.00409	±2.5	PASS
				0	-7.34	-0.00385	±2.5	PASS
				10	-7.11	-0.00373	±2.5	PASS
				20	-4.07	-0.00213	±2.5	PASS
				30	-7.26	-0.00381	±2.5	PASS
				40	-2.88	-0.00151	±2.5	PASS
				50	-5.11	-0.00268	±2.5	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	3.19	0.00186	±2.5	PASS
				-20	-0.53	-0.00031	±2.5	PASS
				-10	0.21	0.00012	±2.5	PASS
				0	4.32	0.00252	±2.5	PASS
				10	1.39	0.00081	±2.5	PASS
				20	4.04	0.00236	±2.5	PASS
				30	1.91	0.00112	±2.5	PASS
				40	-1.75	-0.00102	±2.5	PASS
				50	3.04	0.00178	±2.5	PASS
		MCH	VN	-30	5.33	0.00308	±2.5	PASS
				-20	4.73	0.00273	±2.5	PASS
				-10	2.73	0.00158	±2.5	PASS
				0	3.48	0.00201	±2.5	PASS
				10	5.89	0.0034	±2.5	PASS
				20	4.94	0.00285	±2.5	PASS
				30	6.73	0.00388	±2.5	PASS
				40	4.55	0.00263	±2.5	PASS
				50	4.29	0.00248	±2.5	PASS
		HCH	VN	-30	-9.19	-0.00524	±2.5	PASS
				-20	-12.25	-0.00699	±2.5	PASS
				-10	-9.67	-0.00552	±2.5	PASS
				0	-7.74	-0.00442	±2.5	PASS
				10	-8.04	-0.00459	±2.5	PASS
				20	-8.42	-0.0048	±2.5	PASS
				30	-11.69	-0.00667	±2.5	PASS
				40	-9.14	-0.00522	±2.5	PASS
				50	-6.91	-0.00394	±2.5	PASS

8.3 For LTE

8.3.1 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	TN	VL	-7.24	-0.00423	±2.5	PASS
					VN	-7.88	-0.00461	±2.5	PASS
					VH	-7.82	-0.00457	±2.5	PASS
			MCH	TN	VL	1.26	0.00073	±2.5	PASS
					VN	2.16	0.00125	±2.5	PASS
					VH	0.21	0.00012	±2.5	PASS
			HCH	TN	VL	-3.06	-0.00174	±2.5	PASS
					VN	-3.42	-0.00195	±2.5	PASS
					VH	-3.79	-0.00216	±2.5	PASS
		3	LCH	TN	VL	-1.76	-0.00103	±2.5	PASS
					VN	-1.32	-0.00077	±2.5	PASS
					VH	-1.04	-0.00061	±2.5	PASS
			MCH	TN	VL	1.40	0.00081	±2.5	PASS
					VN	1.24	0.00072	±2.5	PASS
					VH	1.32	0.00076	±2.5	PASS
			HCH	TN	VL	-4.12	-0.00235	±2.5	PASS
					VN	-5.71	-0.00326	±2.5	PASS
					VH	-6.22	-0.00355	±2.5	PASS
		5	LCH	TN	VL	-4.84	-0.00283	±2.5	PASS
					VN	-5.25	-0.00307	±2.5	PASS
					VH	-4.88	-0.00285	±2.5	PASS
			MCH	TN	VL	1.46	0.00084	±2.5	PASS
					VN	0.79	0.00046	±2.5	PASS
					VH	1.54	0.00089	±2.5	PASS
			HCH	TN	VL	-3.76	-0.00215	±2.5	PASS
					VN	-2.57	-0.00147	±2.5	PASS
					VH	-4.12	-0.00235	±2.5	PASS
		10	LCH	TN	VL	-1.62	-0.00094	±2.5	PASS
					VN	-2.26	-0.00132	±2.5	PASS
					VH	0.53	0.00031	±2.5	PASS
			MCH	TN	VL	0.39	0.00023	±2.5	PASS
					VN	0.96	0.00055	±2.5	PASS
					VH	1.62	0.00094	±2.5	PASS
			HCH	TN	VL	2.10	0.0012	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					VN	2.60	0.00149	±2.5	PASS
					VH	2.12	0.00121	±2.5	PASS
		15	LCH	TN	VL	-5.42	-0.00316	±2.5	PASS
					VN	-7.44	-0.00433	±2.5	PASS
					VH	-7.60	-0.00443	±2.5	PASS
			MCH	TN	VL	0.43	0.00025	±2.5	PASS
					VN	-0.16	-0.00009	±2.5	PASS
					VH	-1.22	-0.0007	±2.5	PASS
			HCH	TN	VL	-1.79	-0.00102	±2.5	PASS
					VN	-1.83	-0.00105	±2.5	PASS
					VH	-1.16	-0.00066	±2.5	PASS
					20	LCH	TN	VL	-0.67
		VN	-3.86	-0.00224				±2.5	PASS
		VH	-1.92	-0.00112				±2.5	PASS
		MCH	TN	VL		-0.53	-0.00031	±2.5	PASS
				VN		2.46	0.00142	±2.5	PASS
				VH		-0.82	-0.00047	±2.5	PASS
		HCH	TN	VL		1.86	0.00107	±2.5	PASS
				VN	4.21	0.00241	±2.5	PASS	
				VH	3.81	0.00218	±2.5	PASS	
BAND4	LTE/TM2			1.4	LCH	TN	VL	-7.41	-0.00502
		VN	-8.19				-0.00537	±2.5	PASS
		VH	-9.72				-0.00557	±2.5	PASS
		MCH	TN		VL	1.37	0.000794	±2.5	PASS
					VN	1.89	0.001094	±2.5	PASS
					VH	0.55	0.000314	±2.5	PASS
		HCH	TN		VL	-3.94	-0.00194	±2.5	PASS
					VN	-4.47	-0.00281	±2.5	PASS
					VH	-4.39	-0.00238	±2.5	PASS
		3	LCH	TN	VL	-3.51	-0.00198	±2.5	PASS
					VN	-1.67	-0.00093	±2.5	PASS
					VH	-2.21	-0.00171	±2.5	PASS
MCH	TN		VL	-0.16	7.13E-05	±2.5	PASS		
			VN	0.33	0.000217	±2.5	PASS		
			VH	-0.09	-0.00021	±2.5	PASS		
HCH	TN		VL	-4.33	-0.00288	±2.5	PASS		
			VN	-6.16	-0.0042	±2.5	PASS		
			VH	-7.72	-0.00458	±2.5	PASS		
5	LCH	TN	VL	-6.57	-0.00356	±2.5	PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					VN	-6.56	-0.00333	±2.5	PASS
					VH	-6.05	-0.00299	±2.5	PASS
			MCH	TN	VL	0.06	0.000482	±2.5	PASS
					VN	-0.64	-0.00051	±2.5	PASS
					VH	1.10	0.000259	±2.5	PASS
			HCH	TN	VL	-5.72	-0.00267	±2.5	PASS
					VN	-3.36	-0.0022	±2.5	PASS
					VH	-4.20	-0.00278	±2.5	PASS
		10	LCH	TN	VL	-2.04	-0.00125	±2.5	PASS
					VN	-3.63	-0.00239	±2.5	PASS
					VH	-0.07	-0.00003	±2.5	PASS
			MCH	TN	VL	-1.47	-0.00086	±2.5	PASS
					VN	-0.81	0.000527	±2.5	PASS
					VH	-0.29	0.000694	±2.5	PASS
			HCH	TN	VL	0.76	0.000342	±2.5	PASS
					VN	2.10	0.001352	±2.5	PASS
					VH	0.91	0.000521	±2.5	PASS
		15	LCH	TN	VL	-5.62	-0.00341	±2.5	PASS
					VN	-9.19	-0.00535	±2.5	PASS
					VH	-9.48	-0.00537	±2.5	PASS
			MCH	TN	VL	-0.43	-0.00022	±2.5	PASS
					VN	-0.56	-0.0005	±2.5	PASS
					VH	-1.97	-0.00153	±2.5	PASS
			HCH	TN	VL	-2.28	-0.00124	±2.5	PASS
					VN	-3.23	-0.00168	±2.5	PASS
					VH	-2.41	-0.00115	±2.5	PASS
		20	LCH	TN	VL	-1.25	-0.0006	±2.5	PASS
					VN	-4.25	-0.00326	±2.5	PASS
					VH	-3.78	-0.00176	±2.5	PASS
			MCH	TN	VL	-1.42	-0.00107	±2.5	PASS
					VN	1.08	0.001157	±2.5	PASS
					VH	-2.52	-0.00125	±2.5	PASS
			HCH	TN	VL	1.57	0.000113	±2.5	PASS
					VN	2.28	0.002261	±2.5	PASS
					VH	2.59	0.001493	±2.5	PASS
BAND7	LTE/TM1	5	LCH	TN	VL	-6.98	-0.00279	±2.5	PASS
					VN	-17.40	-0.00695	±2.5	PASS
					VH	-12.96	-0.00518	±2.5	PASS
			MCH	TN	VL	-2.90	-0.00114	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
			HCH	TN	VN	-12.95	-0.00511	±2.5	PASS
					VH	-0.97	-0.00038	±2.5	PASS
					VL	10.19	0.00397	±2.5	PASS
					VN	-3.85	-0.0015	±2.5	PASS
					VH	0.87	0.00034	±2.5	PASS
					VL	-5.08	-0.00203	±2.5	PASS
		10	LCH	TN	VN	-3.58	-0.00143	±2.5	PASS
					VH	-1.49	-0.00059	±2.5	PASS
					VL	-11.34	-0.00447	±2.5	PASS
			MCH	TN	VN	8.71	0.00344	±2.5	PASS
					VH	-10.93	-0.00431	±2.5	PASS
					VL	-12.53	-0.00488	±2.5	PASS
			HCH	TN	VN	11.04	0.0043	±2.5	PASS
					VH	-5.64	-0.0022	±2.5	PASS
					VL	12.16	0.00485	±2.5	PASS
		15	LCH	TN	VN	2.42	0.00097	±2.5	PASS
					VH	-4.22	-0.00168	±2.5	PASS
					VL	-10.97	-0.00433	±2.5	PASS
			MCH	TN	VN	-0.11	-0.00004	±2.5	PASS
					VH	-1.80	-0.00071	±2.5	PASS
					VL	-7.12	-0.00278	±2.5	PASS
			HCH	TN	VN	-18.60	-0.00726	±2.5	PASS
					VH	-3.13	-0.00122	±2.5	PASS
					VL	-1.42	-0.00057	±2.5	PASS
		20	LCH	TN	VN	-15.96	-0.00636	±2.5	PASS
					VH	-1.96	-0.00078	±2.5	PASS
					VL	-0.37	-0.00015	±2.5	PASS
			MCH	TN	VN	10.09	0.00398	±2.5	PASS
					VH	-15.58	-0.00615	±2.5	PASS
					VL	4.26	0.00166	±2.5	PASS
			HCH	TN	VN	12.15	0.00475	±2.5	PASS
					VH	-0.54	-0.00021	±2.5	PASS
					VL	-7.46	-0.00295	±2.5	PASS
BAND7	LTE/TM2	5	LCH	TN	VN	-18.08	-0.00727	±2.5	PASS
					VH	-14.50	-0.00587	±2.5	PASS
					VL	-4.29	-0.00143	±2.5	PASS
			MCH	TN	VN	-13.30	-0.00552	±2.5	PASS
					VH	-2.87	-0.00095	±2.5	PASS
					VL	8.49	0.003644	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict	
					VN	-4.41	-0.00173	±2.5	PASS	
					VH	0.33	0.000119	±2.5	PASS	
		10	LCH	TN	VL	-5.30	-0.00281	±2.5	PASS	
					VN	-3.64	-0.00218	±2.5	PASS	
					VH	-3.06	-0.00085	±2.5	PASS	
			MCH	TN	VL	-11.70	-0.005	±2.5	PASS	
					VN	7.95	0.003143	±2.5	PASS	
					VH	-12.77	-0.0046	±2.5	PASS	
			HCH	TN	VL	-12.81	-0.0049	±2.5	PASS	
					VN	10.22	0.0039	±2.5	PASS	
					VH	-6.32	-0.00279	±2.5	PASS	
			15	LCH	TN	VL	10.37	0.004633	±2.5	PASS
						VN	1.11	0.000742	±2.5	PASS
						VH	-4.62	-0.00206	±2.5	PASS
		MCH		TN	VL	-11.13	-0.00482	±2.5	PASS	
					VN	-0.93	-0.00075	±2.5	PASS	
					VH	-2.32	-0.0008	±2.5	PASS	
		HCH		TN	VL	-7.83	-0.00297	±2.5	PASS	
					VN	-19.98	-0.00729	±2.5	PASS	
					VH	-4.55	-0.00187	±2.5	PASS	
		20	LCH	TN	VL	-2.88	-0.00106	±2.5	PASS	
					VN	-16.92	-0.00648	±2.5	PASS	
					VH	-3.91	-0.00089	±2.5	PASS	
			MCH	TN	VL	-1.91	-0.00043	±2.5	PASS	
					VN	9.66	0.003223	±2.5	PASS	
					VH	-15.89	-0.0066	±2.5	PASS	
			HCH	TN	VL	3.53	0.001177	±2.5	PASS	
					VN	10.82	0.004216	±2.5	PASS	
					VH	-1.28	-0.00025	±2.5	PASS	

8.3.2 Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	VN	-30	-2.02	-0.00118	±2.5	PASS
					-20	-5.71	-0.00334	±2.5	PASS
					-10	-4.86	-0.00284	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
		3			0	-4.78	-0.00279	±2.5	PASS
					10	-5.18	-0.00303	±2.5	PASS
					20	-5.24	-0.00306	±2.5	PASS
					30	-4.78	-0.00279	±2.5	PASS
					40	-5.65	-0.0033	±2.5	PASS
					50	-3.75	-0.00219	±2.5	PASS
			MCH	VN	-30	2.98	0.00172	±2.5	PASS
					-20	1.30	0.00075	±2.5	PASS
					-10	0.53	0.00031	±2.5	PASS
					0	0.01	0.00001	±2.5	PASS
					10	2.03	0.00117	±2.5	PASS
					20	0.54	0.00031	±2.5	PASS
					30	-0.03	-0.00002	±2.5	PASS
					40	2.30	0.00133	±2.5	PASS
					50	4.05	0.00234	±2.5	PASS
			HCH	VN	-30	-4.96	-0.00283	±2.5	PASS
					-20	-2.22	-0.00127	±2.5	PASS
					-10	-0.29	-0.00017	±2.5	PASS
					0	-2.59	-0.00148	±2.5	PASS
					10	-2.63	-0.0015	±2.5	PASS
					20	-2.59	-0.00148	±2.5	PASS
					30	-3.78	-0.00215	±2.5	PASS
					40	-5.11	-0.00291	±2.5	PASS
					50	-4.68	-0.00267	±2.5	PASS
			LCH	VN	-30	-1.27	-0.00074	±2.5	PASS
					-20	-1.49	-0.00087	±2.5	PASS
					-10	-3.09	-0.00181	±2.5	PASS
					0	-1.44	-0.00084	±2.5	PASS
					10	-4.18	-0.00244	±2.5	PASS
					20	-1.40	-0.00082	±2.5	PASS
					30	-2.22	-0.0013	±2.5	PASS
					40	-4.32	-0.00252	±2.5	PASS
					50	-3.81	-0.00223	±2.5	PASS
			MCH	VN	-30	1.37	0.00079	±2.5	PASS
					-20	2.46	0.00142	±2.5	PASS
					-10	0.94	0.00054	±2.5	PASS
					0	2.10	0.00121	±2.5	PASS
					10	1.46	0.00084	±2.5	PASS
					20	1.69	0.00098	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					30	0.13	0.00008	±2.5	PASS
					40	2.75	0.00159	±2.5	PASS
					50	0.73	0.00042	±2.5	PASS
			HCH	VN	-30	-4.45	-0.00254	±2.5	PASS
					-20	-5.71	-0.00326	±2.5	PASS
					-10	-5.88	-0.00335	±2.5	PASS
					0	-5.45	-0.00311	±2.5	PASS
					10	-5.01	-0.00286	±2.5	PASS
					20	-4.23	-0.00241	±2.5	PASS
					30	-6.07	-0.00346	±2.5	PASS
					40	-4.12	-0.00235	±2.5	PASS
					50	-7.14	-0.00407	±2.5	PASS
			LCH	VN	-30	-3.75	-0.00219	±2.5	PASS
					-20	-5.95	-0.00347	±2.5	PASS
					-10	-3.33	-0.00194	±2.5	PASS
					0	-3.78	-0.00221	±2.5	PASS
					10	-4.51	-0.00263	±2.5	PASS
					20	-6.27	-0.00366	±2.5	PASS
					30	-5.14	-0.003	±2.5	PASS
					40	-6.90	-0.00403	±2.5	PASS
					50	-5.68	-0.00332	±2.5	PASS
		5	MCH	VN	-30	0.62	0.00036	±2.5	PASS
					-20	-0.04	-0.00002	±2.5	PASS
					-10	-0.01	-0.00001	±2.5	PASS
					0	3.35	0.00193	±2.5	PASS
					10	1.43	0.00083	±2.5	PASS
					20	2.15	0.00124	±2.5	PASS
					30	0.89	0.00051	±2.5	PASS
					40	1.69	0.00098	±2.5	PASS
					50	2.02	0.00117	±2.5	PASS
			HCH	VN	-30	-3.50	-0.002	±2.5	PASS
					-20	-3.85	-0.0022	±2.5	PASS
					-10	-2.79	-0.00159	±2.5	PASS
					0	-4.88	-0.00278	±2.5	PASS
					10	-4.36	-0.00249	±2.5	PASS
					20	-2.39	-0.00136	±2.5	PASS
					30	-3.40	-0.00194	±2.5	PASS
					40	-2.00	-0.00114	±2.5	PASS
					50	-3.33	-0.0019	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
		10	LCH	VN	-30	-0.13	-0.00008	±2.5	PASS
					-20	-0.26	-0.00015	±2.5	PASS
					-10	-2.75	-0.0016	±2.5	PASS
					0	1.67	0.00097	±2.5	PASS
					10	0.39	0.00023	±2.5	PASS
					20	-1.52	-0.00089	±2.5	PASS
					30	-1.02	-0.00059	±2.5	PASS
					40	2.56	0.00149	±2.5	PASS
					50	1.24	0.00072	±2.5	PASS
			MCH	VN	-30	0.97	0.00056	±2.5	PASS
					-20	3.95	0.00228	±2.5	PASS
					-10	2.06	0.00119	±2.5	PASS
					0	2.69	0.00155	±2.5	PASS
					10	1.02	0.00059	±2.5	PASS
					20	3.99	0.0023	±2.5	PASS
					30	0.72	0.00042	±2.5	PASS
					40	3.18	0.00184	±2.5	PASS
					50	2.78	0.0016	±2.5	PASS
			HCH	VN	-30	2.33	0.00133	±2.5	PASS
					-20	1.23	0.0007	±2.5	PASS
					-10	1.75	0.001	±2.5	PASS
					0	1.77	0.00101	±2.5	PASS
					10	1.96	0.00112	±2.5	PASS
					20	3.02	0.00173	±2.5	PASS
					30	3.26	0.00186	±2.5	PASS
					40	3.22	0.00184	±2.5	PASS
					50	1.66	0.00095	±2.5	PASS
		15	LCH	VN	-30	-6.90	-0.00402	±2.5	PASS
					-20	-3.79	-0.00221	±2.5	PASS
					-10	-5.41	-0.00315	±2.5	PASS
					0	-5.71	-0.00332	±2.5	PASS
					10	-5.15	-0.003	±2.5	PASS
					20	-4.55	-0.00265	±2.5	PASS
					30	-4.38	-0.00255	±2.5	PASS
					40	-4.89	-0.00285	±2.5	PASS
					50	-6.01	-0.0035	±2.5	PASS
			MCH	VN	-30	1.87	0.00108	±2.5	PASS
					-20	1.24	0.00072	±2.5	PASS
					-10	2.76	0.00159	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					0	4.25	0.00245	±2.5	PASS
					10	2.10	0.00121	±2.5	PASS
					20	2.00	0.00115	±2.5	PASS
					30	2.57	0.00148	±2.5	PASS
					40	3.92	0.00226	±2.5	PASS
					50	1.67	0.00096	±2.5	PASS
			HCH	VN	-30	-1.30	-0.00074	±2.5	PASS
					-20	-2.83	-0.00162	±2.5	PASS
					-10	-2.45	-0.0014	±2.5	PASS
					0	-3.36	-0.00192	±2.5	PASS
					10	-2.37	-0.00136	±2.5	PASS
					20	-3.42	-0.00196	±2.5	PASS
					30	-1.07	-0.00061	±2.5	PASS
					40	0.00	0.00000	±2.5	PASS
					50	-2.22	-0.00127	±2.5	PASS
		20	LCH	VN	-30	0.87	0.00051	±2.5	PASS
					-20	-1.13	-0.00066	±2.5	PASS
					-10	0.80	0.00047	±2.5	PASS
					0	0.66	0.00038	±2.5	PASS
					10	-2.26	-0.00131	±2.5	PASS
					20	-0.11	-0.00006	±2.5	PASS
					30	-0.84	-0.00049	±2.5	PASS
					40	1.95	0.00113	±2.5	PASS
					50	-0.73	-0.00042	±2.5	PASS
			MCH	VN	-30	2.35	0.00136	±2.5	PASS
					-20	-0.76	-0.00044	±2.5	PASS
					-10	0.24	0.00014	±2.5	PASS
					0	1.29	0.00074	±2.5	PASS
					10	-1.53	-0.00088	±2.5	PASS
					20	0.10	0.00006	±2.5	PASS
					30	2.40	0.00139	±2.5	PASS
					40	2.46	0.00142	±2.5	PASS
					50	2.27	0.00131	±2.5	PASS
			HCH	VN	-30	2.39	0.00137	±2.5	PASS
					-20	5.87	0.00336	±2.5	PASS
					-10	2.32	0.00133	±2.5	PASS
					0	5.41	0.0031	±2.5	PASS
					10	1.49	0.00085	±2.5	PASS
					20	4.82	0.00276	±2.5	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
BAND4	LTE/TM2	1.4			30	2.70	0.00155	±2.5	PASS
					40	4.13	0.00237	±2.5	PASS
					50	4.69	0.00269	±2.5	PASS
			LCH	VN	-30	-3.93	-0.00230	±2.5	PASS
					-20	-6.01	-0.00351	±2.5	PASS
					-10	-6.36	-0.00372	±2.5	PASS
					0	-6.27	-0.00366	±2.5	PASS
					10	-6.14	-0.00359	±2.5	PASS
					20	-5.28	-0.00308	±2.5	PASS
					30	-4.99	-0.00291	±2.5	PASS
					40	-7.21	-0.00421	±2.5	PASS
					50	-5.52	-0.00323	±2.5	PASS
			MCH	VN	-30	2.93	0.00169	±2.5	PASS
					-20	-0.30	-0.00017	±2.5	PASS
					-10	0.26	0.00015	±2.5	PASS
					0	-0.16	-0.00016	±2.5	PASS
					10	0.35	0.00020	±2.5	PASS
					20	-0.89	-0.00051	±2.5	PASS
					30	-0.37	-0.00024	±2.5	PASS
					40	0.60	0.00035	±2.5	PASS
					50	3.06	0.00177	±2.5	PASS
			HCH	VN	-30	-6.21	-0.00354	±2.5	PASS
					-20	-2.36	-0.00135	±2.5	PASS
					-10	-2.15	-0.00126	±2.5	PASS
					0	-4.06	-0.00232	±2.5	PASS
					10	-3.39	-0.00193	±2.5	PASS
					20	-3.06	-0.00175	±2.5	PASS
					30	-3.87	-0.00220	±2.5	PASS
					40	-7.00	-0.00399	±2.5	PASS
					50	-5.85	-0.00334	±2.5	PASS
		3	LCH	VN	-30	-1.65	-0.00096	±2.5	PASS
					-20	-3.12	-0.00182	±2.5	PASS
					-10	-4.84	-0.00284	±2.5	PASS
					0	-1.99	-0.00116	±2.5	PASS
					10	-4.61	-0.00269	±2.5	PASS
					20	-3.17	-0.00186	±2.5	PASS
					30	-3.98	-0.00233	±2.5	PASS
					40	-5.72	-0.00334	±2.5	PASS
					50	-3.93	-0.00230	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
			MCH	VN	-30	0.32	0.00018	±2.5	PASS
					-20	1.80	0.00104	±2.5	PASS
					-10	0.93	0.00053	±2.5	PASS
					0	1.28	0.00074	±2.5	PASS
					10	0.58	0.00033	±2.5	PASS
					20	0.29	0.00017	±2.5	PASS
					30	-0.09	-0.00006	±2.5	PASS
					40	1.49	0.00086	±2.5	PASS
					50	-1.19	-0.00068	±2.5	PASS
			HCH	VN	-30	-5.77	-0.00329	±2.5	PASS
					-20	-6.37	-0.00364	±2.5	PASS
					-10	-6.13	-0.00349	±2.5	PASS
					0	-6.45	-0.00368	±2.5	PASS
					10	-5.91	-0.00337	±2.5	PASS
					20	-5.49	-0.00313	±2.5	PASS
					30	-7.36	-0.00420	±2.5	PASS
					40	-5.25	-0.00300	±2.5	PASS
					50	-7.28	-0.00415	±2.5	PASS
		5	LCH	VN	-30	-4.80	-0.00280	±2.5	PASS
					-20	-7.52	-0.00438	±2.5	PASS
					-10	-5.28	-0.00308	±2.5	PASS
					0	-5.06	-0.00296	±2.5	PASS
					10	-6.12	-0.00357	±2.5	PASS
					20	-6.47	-0.00377	±2.5	PASS
					30	-5.69	-0.00332	±2.5	PASS
					40	-7.52	-0.00439	±2.5	PASS
					50	-6.61	-0.00386	±2.5	PASS
			MCH	VN	-30	-0.66	-0.00038	±2.5	PASS
					-20	-0.47	-0.00023	±2.5	PASS
					-10	-1.05	-0.00105	±2.5	PASS
					0	2.58	0.00148	±2.5	PASS
					10	-0.39	-0.00023	±2.5	PASS
					20	0.74	0.00043	±2.5	PASS
					30	-0.81	-0.00047	±2.5	PASS
					40	-0.25	-0.00015	±2.5	PASS
					50	0.30	0.00017	±2.5	PASS
			HCH	VN	-30	-5.37	-0.00307	±2.5	PASS
					-20	-4.68	-0.00267	±2.5	PASS
					-10	-2.92	-0.00166	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					0	-6.68	-0.00380	±2.5	PASS
					10	-4.51	-0.00258	±2.5	PASS
					20	-3.77	-0.00214	±2.5	PASS
					30	-4.83	-0.00276	±2.5	PASS
					40	-3.71	-0.00212	±2.5	PASS
					50	-4.36	-0.00249	±2.5	PASS
			LCH	VN	-30	-1.94	-0.00120	±2.5	PASS
					-20	-1.38	-0.00080	±2.5	PASS
					-10	-2.94	-0.00171	±2.5	PASS
					0	1.05	0.00061	±2.5	PASS
					10	-0.67	-0.00039	±2.5	PASS
					20	-1.66	-0.00097	±2.5	PASS
					30	-1.22	-0.00070	±2.5	PASS
					40	1.76	0.00103	±2.5	PASS
					50	-0.52	-0.00030	±2.5	PASS
		10	MCH	VN	-30	0.72	0.00041	±2.5	PASS
					-20	2.13	0.00123	±2.5	PASS
					-10	1.94	0.00112	±2.5	PASS
					0	1.79	0.00103	±2.5	PASS
					10	-0.76	-0.00044	±2.5	PASS
					20	3.75	0.00216	±2.5	PASS
					30	-1.18	-0.00069	±2.5	PASS
					40	2.44	0.00141	±2.5	PASS
					50	2.36	0.00136	±2.5	PASS
			HCH	VN	-30	1.83	0.00104	±2.5	PASS
					-20	-0.13	-0.00007	±2.5	PASS
					-10	0.52	0.00030	±2.5	PASS
					0	1.20	0.00068	±2.5	PASS
					10	1.79	0.00102	±2.5	PASS
					20	1.97	0.00113	±2.5	PASS
					30	2.08	0.00119	±2.5	PASS
					40	3.12	0.00178	±2.5	PASS
					50	1.34	0.00077	±2.5	PASS
		15	LCH	VN	-30	-7.69	-0.00448	±2.5	PASS
					-20	-5.21	-0.00304	±2.5	PASS
					-10	-5.60	-0.00326	±2.5	PASS
					0	-6.66	-0.00387	±2.5	PASS
					10	-5.86	-0.00341	±2.5	PASS
					20	-6.54	-0.00381	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					30	-6.08	-0.00354	±2.5	PASS
					40	-5.70	-0.00332	±2.5	PASS
					50	-6.89	-0.00401	±2.5	PASS
			MCH	VN	-30	1.29	0.00074	±2.5	PASS
					-20	0.92	0.00053	±2.5	PASS
					-10	1.54	0.00089	±2.5	PASS
					0	3.64	0.00210	±2.5	PASS
					10	1.86	0.00107	±2.5	PASS
					20	1.33	0.00077	±2.5	PASS
					30	1.41	0.00081	±2.5	PASS
					40	3.21	0.00185	±2.5	PASS
					50	0.78	0.00045	±2.5	PASS
			HCH	VN	-30	-1.48	-0.00084	±2.5	PASS
					-20	-4.77	-0.00273	±2.5	PASS
					-10	-3.81	-0.00218	±2.5	PASS
					0	-5.22	-0.00298	±2.5	PASS
					10	-4.08	-0.00234	±2.5	PASS
					20	-4.53	-0.00260	±2.5	PASS
					30	-2.91	-0.00166	±2.5	PASS
					40	-1.46	0.00000	±2.5	PASS
					50	-3.45	-0.00197	±2.5	PASS
		20	LCH	VN	-30	0.19	0.00011	±2.5	PASS
					-20	-2.17	-0.00127	±2.5	PASS
					-10	-0.59	0.00007	±2.5	PASS
					0	-0.51	-0.00029	±2.5	PASS
					10	-2.65	-0.00154	±2.5	PASS
					20	-1.20	-0.00066	±2.5	PASS
					30	-1.51	-0.00088	±2.5	PASS
					40	0.04	0.00003	±2.5	PASS
					50	-1.66	-0.00095	±2.5	PASS
			MCH	VN	-30	2.18	0.00126	±2.5	PASS
					-20	-1.20	-0.00070	±2.5	PASS
					-10	-0.08	-0.00004	±2.5	PASS
					0	-0.62	-0.00036	±2.5	PASS
					10	-1.69	-0.00097	±2.5	PASS
					20	0.03	0.00002	±2.5	PASS
					30	0.77	0.00045	±2.5	PASS
					40	1.98	0.00115	±2.5	PASS
					50	1.78	0.00103	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
			HCH	VN	-30	1.96	0.00112	±2.5	PASS
					-20	5.09	0.00291	±2.5	PASS
					-10	0.83	0.00047	±2.5	PASS
					0	4.06	0.00232	±2.5	PASS
					10	0.69	0.00039	±2.5	PASS
					20	4.33	0.00248	±2.5	PASS
					30	2.51	0.00144	±2.5	PASS
					40	3.01	0.00173	±2.5	PASS
					50	3.95	0.00227	±2.5	PASS
BAND7	LTE/TM1	5	LCH	VN	-30	-3.46	-0.00138	±2.5	PASS
					-20	-17.84	-0.00713	±2.5	PASS
					-10	-9.31	-0.00372	±2.5	PASS
					0	-1.30	-0.00052	±2.5	PASS
					10	-1.65	-0.00066	±2.5	PASS
					20	-22.52	-0.009	±2.5	PASS
					30	-16.64	-0.00665	±2.5	PASS
					40	-12.42	-0.00496	±2.5	PASS
					50	-7.75	-0.0031	±2.5	PASS
			MCH	VN	-30	6.71	0.00265	±2.5	PASS
					-20	-9.08	-0.00358	±2.5	PASS
					-10	-13.49	-0.00532	±2.5	PASS
					0	-11.64	-0.00459	±2.5	PASS
					10	-5.92	-0.00234	±2.5	PASS
					20	0.66	0.00026	±2.5	PASS
					30	3.36	0.00133	±2.5	PASS
					40	-4.43	-0.00175	±2.5	PASS
					50	-14.98	-0.00591	±2.5	PASS
			HCH	VN	-30	-8.98	-0.0035	±2.5	PASS
					-20	-4.51	-0.00176	±2.5	PASS
					-10	4.25	0.00166	±2.5	PASS
					0	13.12	0.00511	±2.5	PASS
					10	17.44	0.00679	±2.5	PASS
					20	-8.93	-0.00348	±2.5	PASS
					30	-2.75	-0.00107	±2.5	PASS
					40	3.59	0.0014	±2.5	PASS
					50	9.50	0.0037	±2.5	PASS
		10	LCH	VN	-30	12.27	0.0049	±2.5	PASS
					-20	-0.41	-0.00016	±2.5	PASS
					-10	-4.76	-0.0019	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					0	1.23	0.00049	±2.5	PASS
					10	9.86	0.00394	±2.5	PASS
					20	7.44	0.00297	±2.5	PASS
					30	6.47	0.00258	±2.5	PASS
					40	3.49	0.00139	±2.5	PASS
					50	1.27	0.00051	±2.5	PASS
			MCH	VN	-30	-12.29	-0.00485	±2.5	PASS
					-20	-11.56	-0.00456	±2.5	PASS
					-10	-11.77	-0.00464	±2.5	PASS
					0	-9.40	-0.00371	±2.5	PASS
					10	-8.20	-0.00323	±2.5	PASS
					20	-6.41	-0.00253	±2.5	PASS
					30	-5.08	-0.002	±2.5	PASS
					40	-4.32	-0.0017	±2.5	PASS
					50	-3.50	-0.00138	±2.5	PASS
			HCH	VN	-30	1.59	0.00062	±2.5	PASS
					-20	5.04	0.00196	±2.5	PASS
					-10	7.57	0.00295	±2.5	PASS
					0	9.76	0.00381	±2.5	PASS
					10	6.72	0.00262	±2.5	PASS
					20	7.48	0.00292	±2.5	PASS
					30	11.23	0.00438	±2.5	PASS
					40	2.12	0.00083	±2.5	PASS
					50	-0.33	-0.00013	±2.5	PASS
		15	LCH	VN	-30	-8.14	-0.00325	±2.5	PASS
					-20	-8.17	-0.00326	±2.5	PASS
					-10	13.93	0.00556	±2.5	PASS
					0	4.58	0.00183	±2.5	PASS
					10	-3.60	-0.00144	±2.5	PASS
					20	-12.70	-0.00506	±2.5	PASS
					30	15.78	0.00629	±2.5	PASS
					40	5.79	0.00231	±2.5	PASS
					50	-1.70	-0.00068	±2.5	PASS
			MCH	VN	-30	0.99	0.00039	±2.5	PASS
					-20	-1.66	-0.00065	±2.5	PASS
					-10	-5.42	-0.00214	±2.5	PASS
					0	-8.96	-0.00353	±2.5	PASS
					10	-11.09	-0.00437	±2.5	PASS
					20	-14.82	-0.00585	±2.5	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Limit [dBm]	Verdict
					30	-16.37	-0.00646	±2.5	PASS
					40	-19.51	-0.0077	±2.5	PASS
					50	-2.26	-0.00089	±2.5	PASS
			HCH	VN	-30	0.67	0.00026	±2.5	PASS
					-20	1.04	0.00041	±2.5	PASS
					-10	0.11	0.00004	±2.5	PASS
					0	-2.33	-0.00091	±2.5	PASS
					10	-3.65	-0.00142	±2.5	PASS
					20	-4.19	-0.00164	±2.5	PASS
					30	-3.73	-0.00146	±2.5	PASS
					40	-3.89	-0.00152	±2.5	PASS
					50	-3.75	-0.00146	±2.5	PASS
			LCH	VN	-30	5.21	0.00208	±2.5	PASS
					-20	-5.59	-0.00223	±2.5	PASS
					-10	4.08	0.00163	±2.5	PASS
					0	-1.47	-0.00059	±2.5	PASS
					10	-7.40	-0.00295	±2.5	PASS
					20	-15.44	-0.00615	±2.5	PASS
					30	-24.16	-0.00963	±2.5	PASS
					40	4.43	0.00176	±2.5	PASS
					50	-2.07	-0.00082	±2.5	PASS
		20	MCH	VN	-30	-3.85	-0.00152	±2.5	PASS
					-20	-5.71	-0.00225	±2.5	PASS
					-10	-7.42	-0.00293	±2.5	PASS
					0	-9.08	-0.00358	±2.5	PASS
					10	-10.67	-0.00421	±2.5	PASS
					20	-10.70	-0.00422	±2.5	PASS
					30	-10.80	-0.00426	±2.5	PASS
					40	-11.69	-0.00461	±2.5	PASS
					50	-12.07	-0.00476	±2.5	PASS
			HCH	VN	-30	5.79	0.00226	±2.5	PASS
					-20	7.50	0.00293	±2.5	PASS
					-10	8.18	0.0032	±2.5	PASS
					0	8.84	0.00345	±2.5	PASS
					10	9.98	0.0039	±2.5	PASS
					20	3.46	0.00135	±2.5	PASS
					30	3.63	0.00142	±2.5	PASS
					40	2.32	0.00091	±2.5	PASS
					50	1.27	0.0005	±2.5	PASS

BAND7	LTE/TM2	5	LCH	VN	-30	-3.86	-0.00198	±2.5	PASS
					-20	-18.64	-0.00758	±2.5	PASS
					-10	-9.53	-0.00373	±2.5	PASS
					0	-2.96	-0.00126	±2.5	PASS
					10	-2.23	-0.00128	±2.5	PASS
					20	-22.99	-0.00936	±2.5	PASS
					30	-17.56	-0.00743	±2.5	PASS
					40	-13.01	-0.00550	±2.5	PASS
					50	-8.11	-0.00340	±2.5	PASS
			MCH	VN	-30	6.66	0.00214	±2.5	PASS
					-20	-10.75	-0.00376	±2.5	PASS
					-10	-14.26	-0.00559	±2.5	PASS
					0	-12.12	-0.00525	±2.5	PASS
					10	-7.44	-0.00246	±2.5	PASS
					20	0.60	-0.00006	±2.5	PASS
					30	2.10	0.00056	±2.5	PASS
					40	-5.45	-0.00249	±2.5	PASS
					50	-15.81	-0.00627	±2.5	PASS
			HCH	VN	-30	-10.96	-0.00412	±2.5	PASS
					-20	-4.78	-0.00243	±2.5	PASS
					-10	2.51	0.00107	±2.5	PASS
					0	11.61	0.00476	±2.5	PASS
					10	16.96	0.00618	±2.5	PASS
					20	-10.31	-0.00368	±2.5	PASS
					30	-4.61	-0.00175	±2.5	PASS
					40	1.59	0.00092	±2.5	PASS
					50	8.15	0.00368	±2.5	PASS
		10	LCH	VN	-30	11.39	0.00452	±2.5	PASS
					-20	-0.69	-0.00054	±2.5	PASS
					-10	-6.20	-0.00209	±2.5	PASS
					0	1.12	0.00013	±2.5	PASS
					10	9.62	0.00350	±2.5	PASS
					20	5.96	0.00266	±2.5	PASS
					30	4.76	0.00241	±2.5	PASS
					40	2.29	0.00128	±2.5	PASS
					50	-0.72	-0.00007	±2.5	PASS
			MCH	VN	-30	-12.29	-0.00593	±2.5	PASS
					-20	-11.98	-0.00518	±2.5	PASS
					-10	-12.03	-0.00506	±2.5	PASS
					0	-9.58	-0.00415	±2.5	PASS
					10	-10.08	-0.00463	±2.5	PASS

					20	-6.58	-0.00268	±2.5	PASS
					30	-5.36	-0.00262	±2.5	PASS
					40	-6.16	-0.00215	±2.5	PASS
					50	-3.74	-0.00140	±2.5	PASS
			HCH	VN	-30	0.73	0.00036	±2.5	PASS
					-20	5.04	0.00152	±2.5	PASS
					-10	5.76	0.00259	±2.5	PASS
					0	9.70	0.00325	±2.5	PASS
					10	5.21	0.00201	±2.5	PASS
					20	6.66	0.00254	±2.5	PASS
					30	9.72	0.00427	±2.5	PASS
					40	0.83	0.00016	±2.5	PASS
					50	-0.40	-0.00071	±2.5	PASS
		15	LCH	VN	-30	-10.13	-0.00387	±2.5	PASS
					-20	-8.48	-0.00329	±2.5	PASS
					-10	12.94	0.00505	±2.5	PASS
					0	3.84	0.00129	±2.5	PASS
					10	-5.29	-0.00209	±2.5	PASS
					20	-14.10	-0.00512	±2.5	PASS
					30	15.59	0.00595	±2.5	PASS
					40	5.33	0.00206	±2.5	PASS
					50	-2.58	-0.00087	±2.5	PASS
			MCH	VN	-30	-0.65	0.00022	±2.5	PASS
					-20	-3.04	-0.00141	±2.5	PASS
					-10	-5.53	-0.00291	±2.5	PASS
					0	-10.86	-0.00421	±2.5	PASS
					10	-12.86	-0.00438	±2.5	PASS
					20	-16.33	-0.00660	±2.5	PASS
					30	-16.41	-0.00653	±2.5	PASS
					40	-21.34	-0.00780	±2.5	PASS
					50	-3.67	-0.00094	±2.5	PASS
			HCH	VN	-30	0.09	-0.00012	±2.5	PASS
					-20	0.38	-0.00013	±2.5	PASS
					-10	-1.83	-0.00014	±2.5	PASS
					0	-2.62	-0.00134	±2.5	PASS
					10	-4.16	-0.00210	±2.5	PASS
					20	-5.28	-0.00169	±2.5	PASS
					30	-4.51	-0.00163	±2.5	PASS
					40	-4.63	-0.00205	±2.5	PASS
					50	-3.82	-0.00207	±2.5	PASS
		20	LCH	VN	-30	4.70	0.00184	±2.5	PASS
					-20	-6.61	-0.00240	±2.5	PASS



					-10	2.98	0.00102	±2.5	PASS
					0	-2.37	-0.00102	±2.5	PASS
					10	-8.98	-0.00364	±2.5	PASS
					20	-15.66	-0.00618	±2.5	PASS
					30	-25.76	-0.00992	±2.5	PASS
					40	3.63	0.00144	±2.5	PASS
					50	-3.29	-0.00152	±2.5	PASS
			MCH	VN	-30	-5.60	-0.00218	±2.5	PASS
					-20	-6.09	-0.00304	±2.5	PASS
					-10	-8.43	-0.00340	±2.5	PASS
					0	-10.92	-0.00365	±2.5	PASS
					10	-11.92	-0.00453	±2.5	PASS
					20	-12.56	-0.00431	±2.5	PASS
					30	-11.66	-0.00433	±2.5	PASS
					40	-11.88	-0.00487	±2.5	PASS
					50	-12.87	-0.00483	±2.5	PASS
			HCH	VN	-30	5.30	0.00152	±2.5	PASS
					-20	7.30	0.00291	±2.5	PASS
					-10	7.69	0.00280	±2.5	PASS
					0	7.10	0.00272	±2.5	PASS
					10	8.48	0.00339	±2.5	PASS
					20	3.20	0.00094	±2.5	PASS
					30	2.80	0.00041	±2.5	PASS
					40	0.84	0.00013	±2.5	PASS
					50	-0.31	-0.00008	±2.5	PASS

END