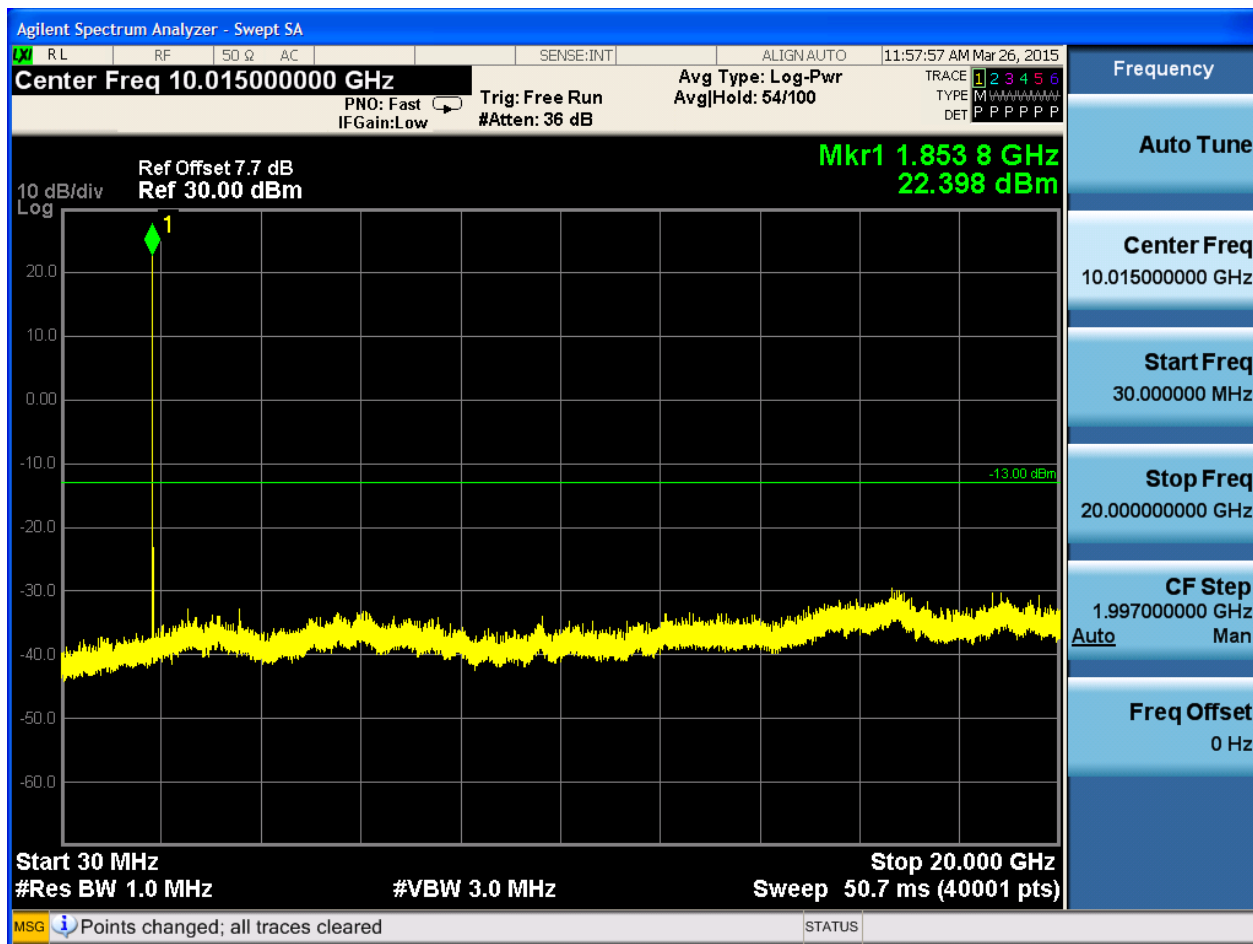
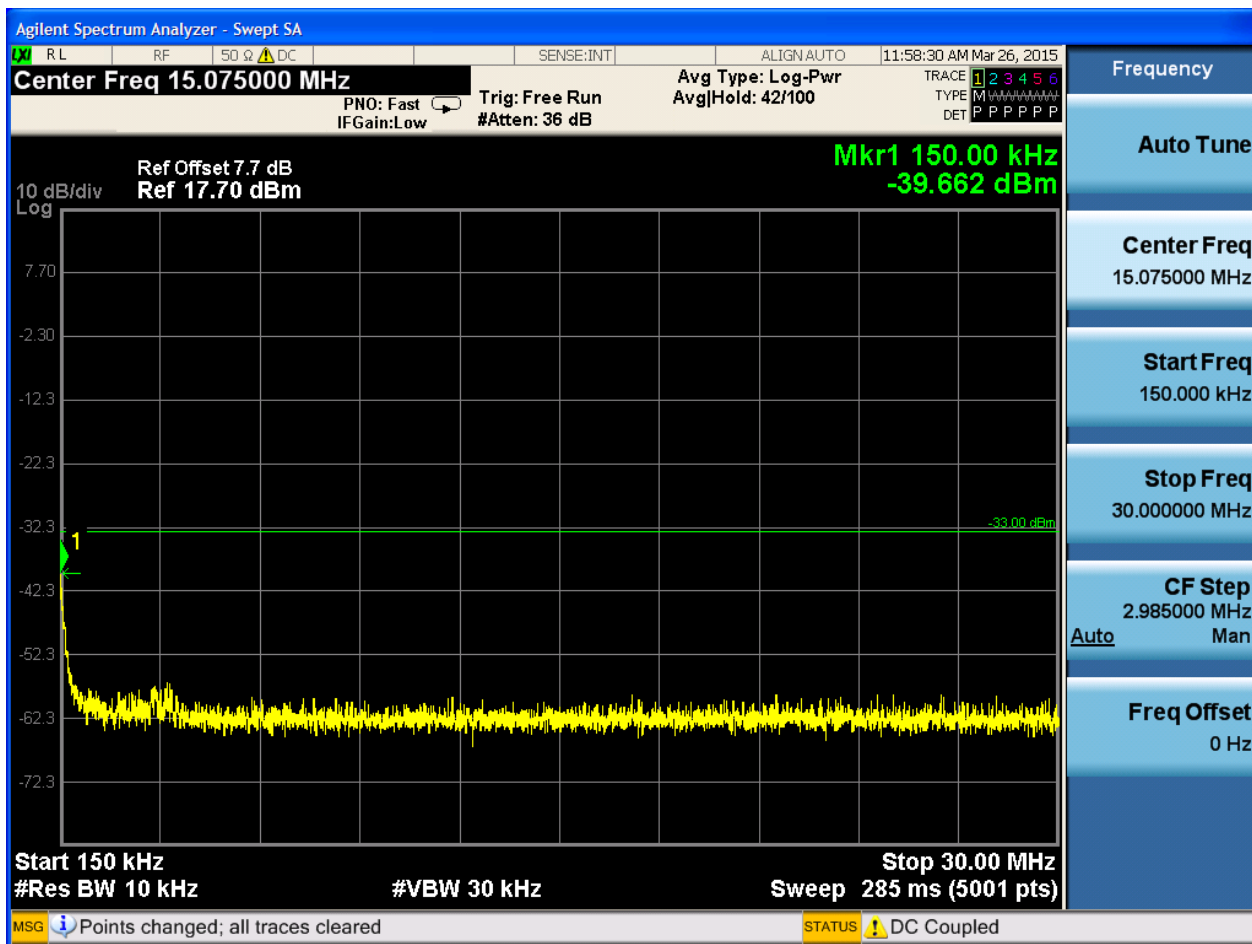
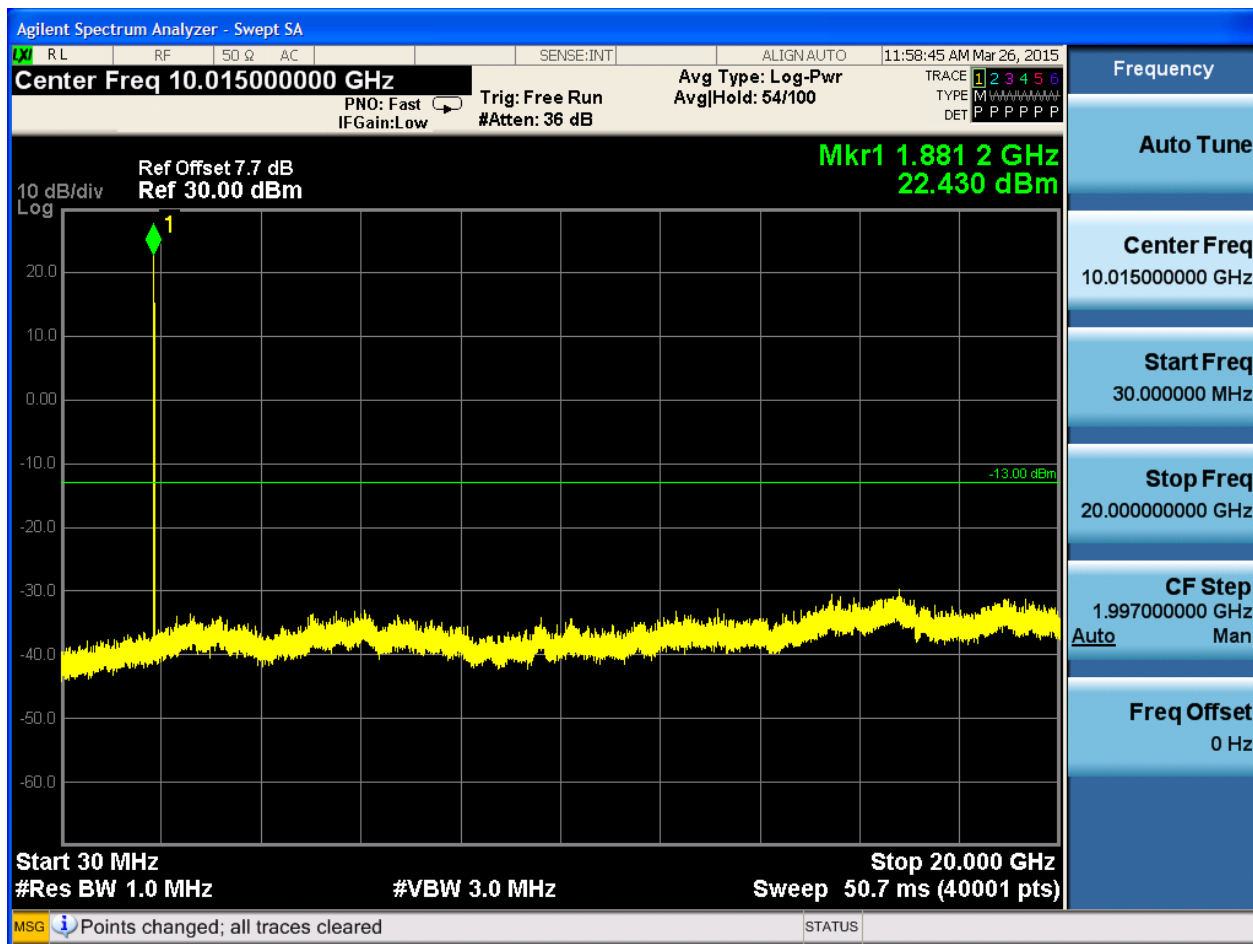




6.2.1.1.2 Test Channel = MCH



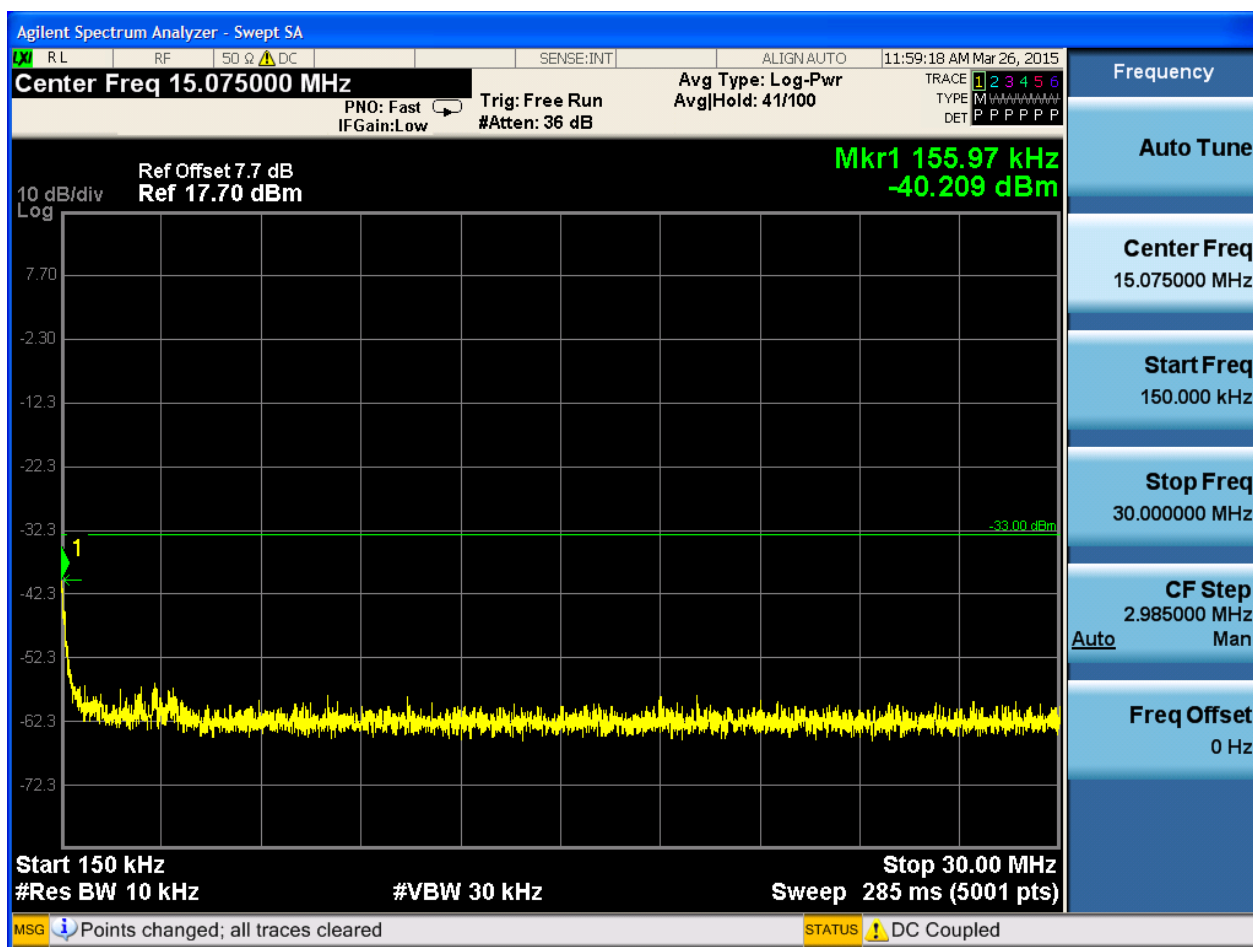


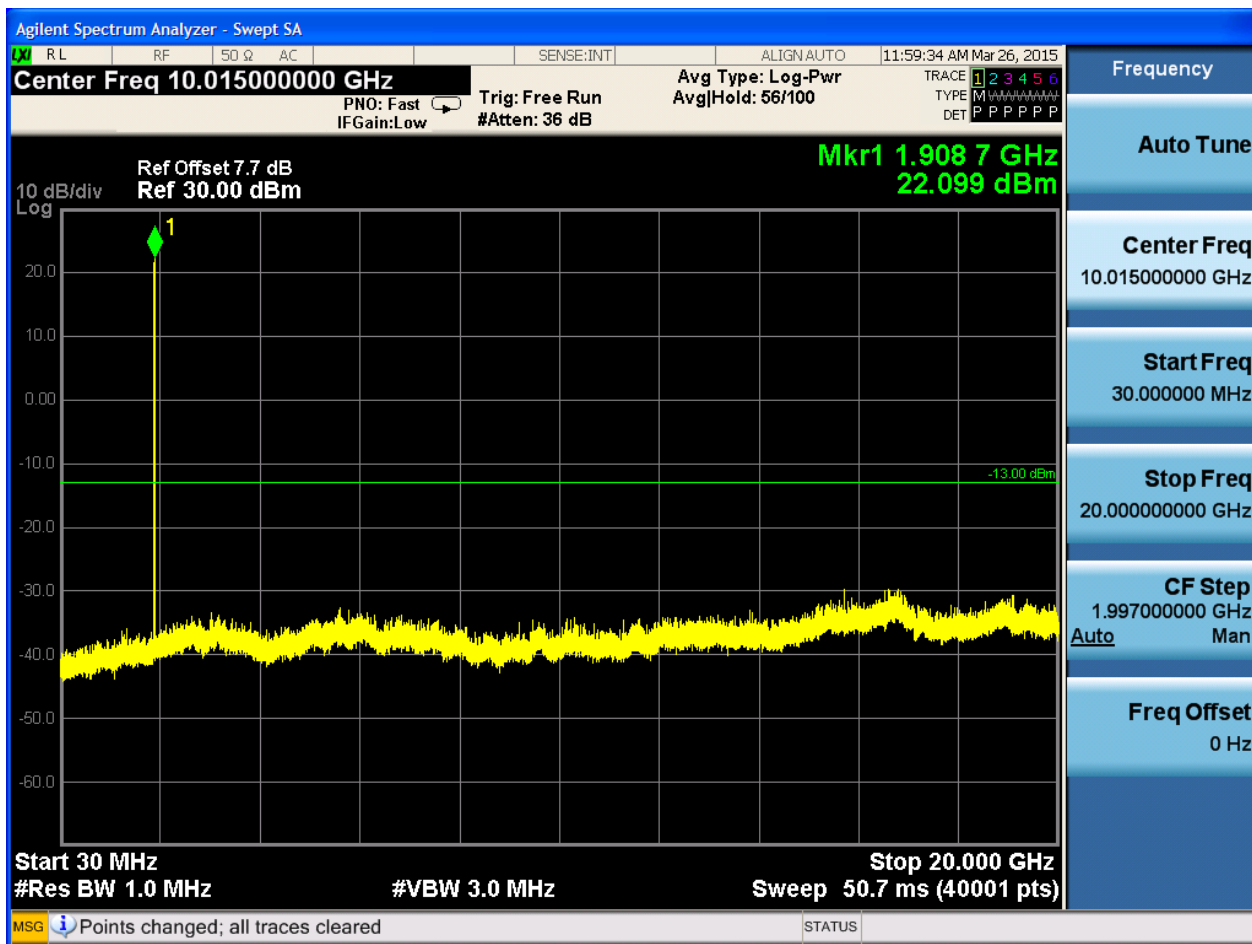




6.2.1.1.3 Test Channel = HCH





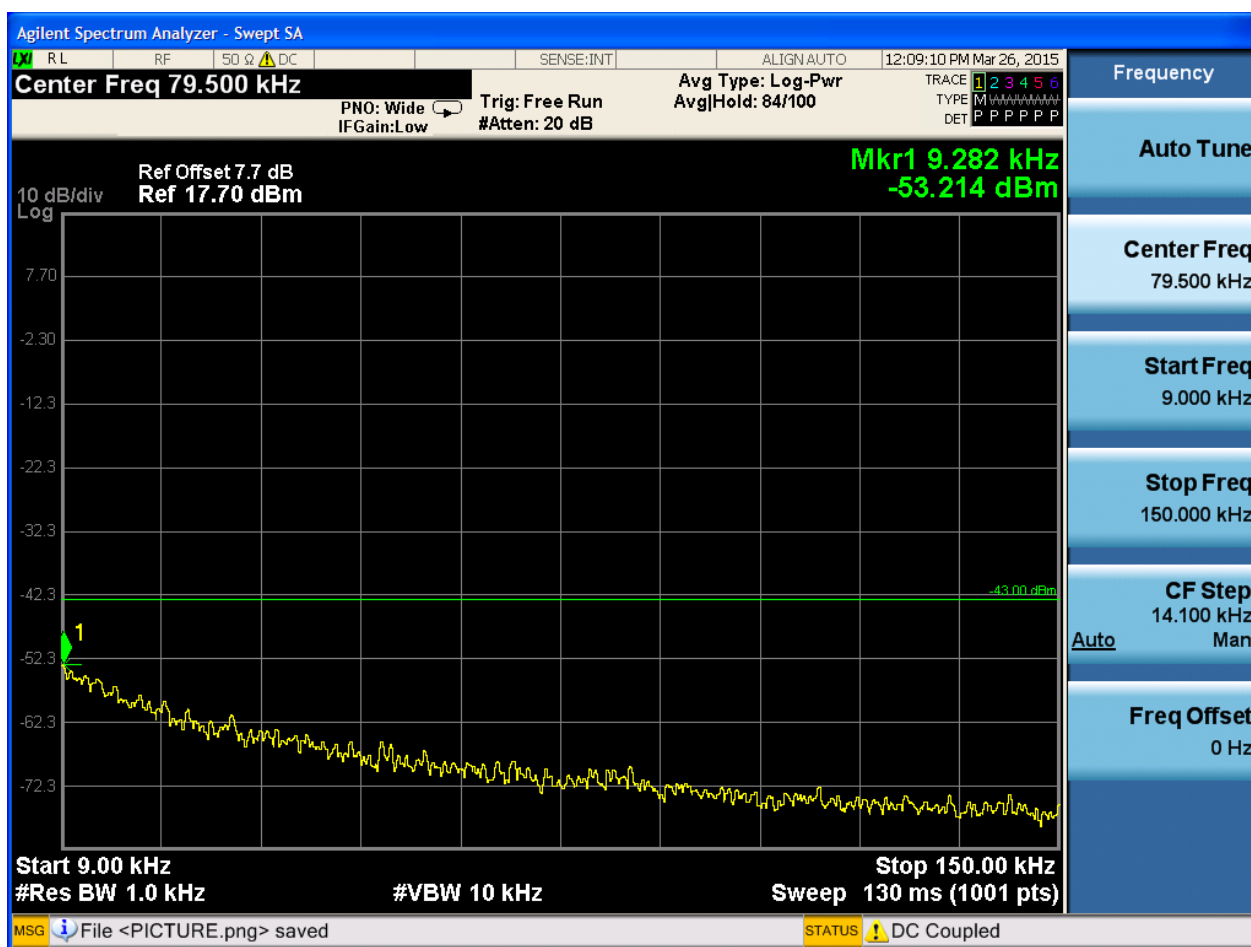


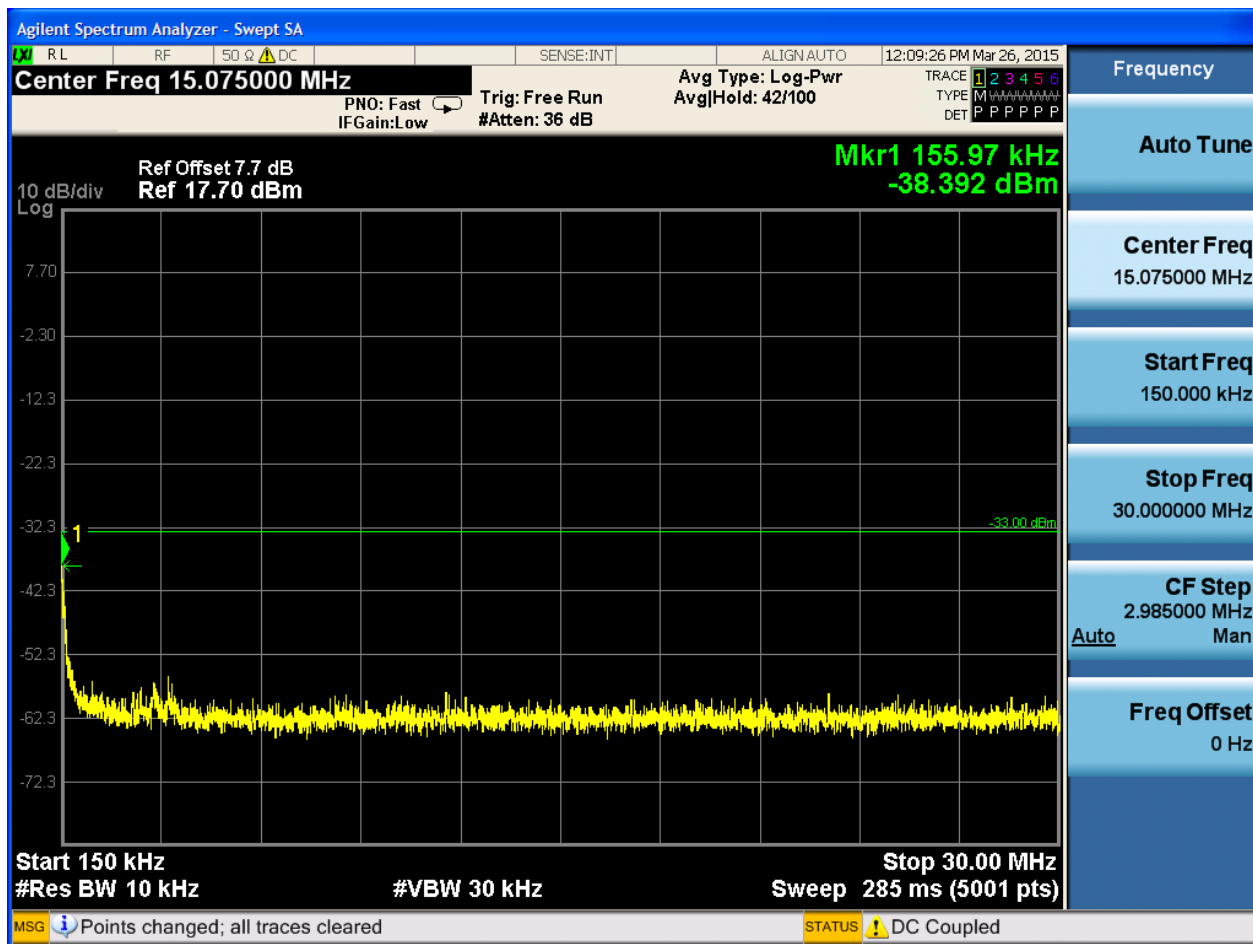


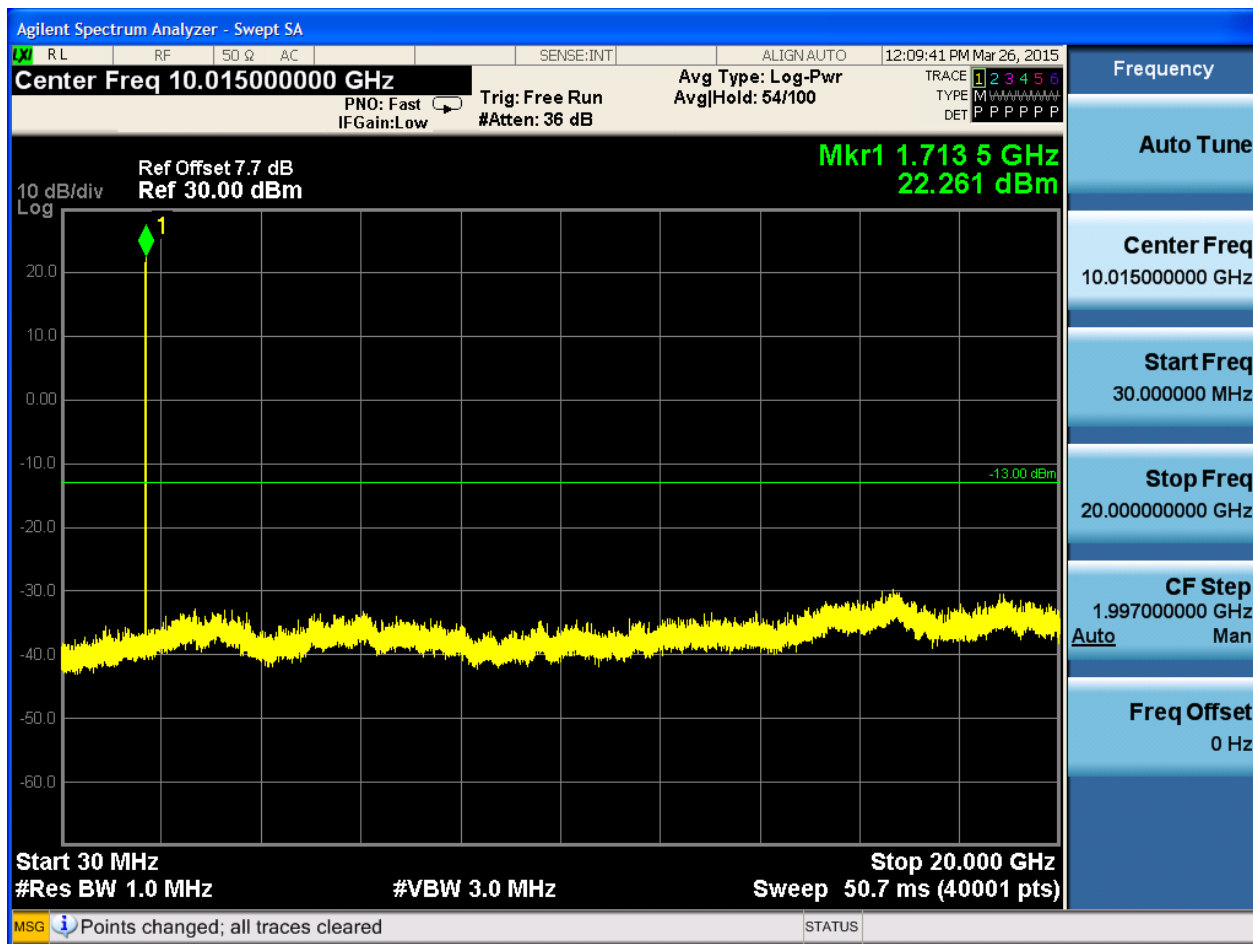
6.2.2 Test Band = WCDMA1700

6.2.2.1 Test Mode = UMTS/TM1

6.2.2.1.1 Test Channel = LCH

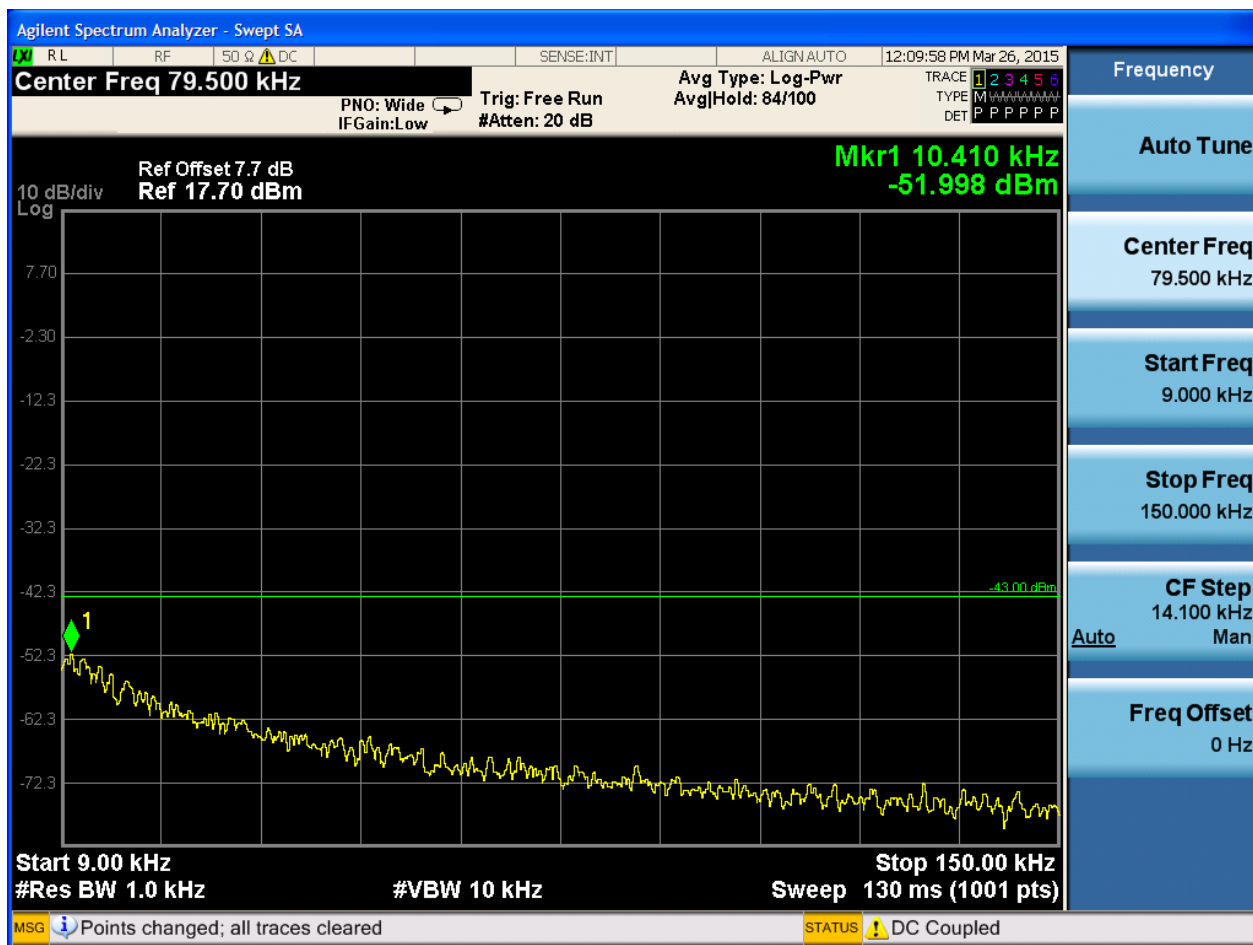


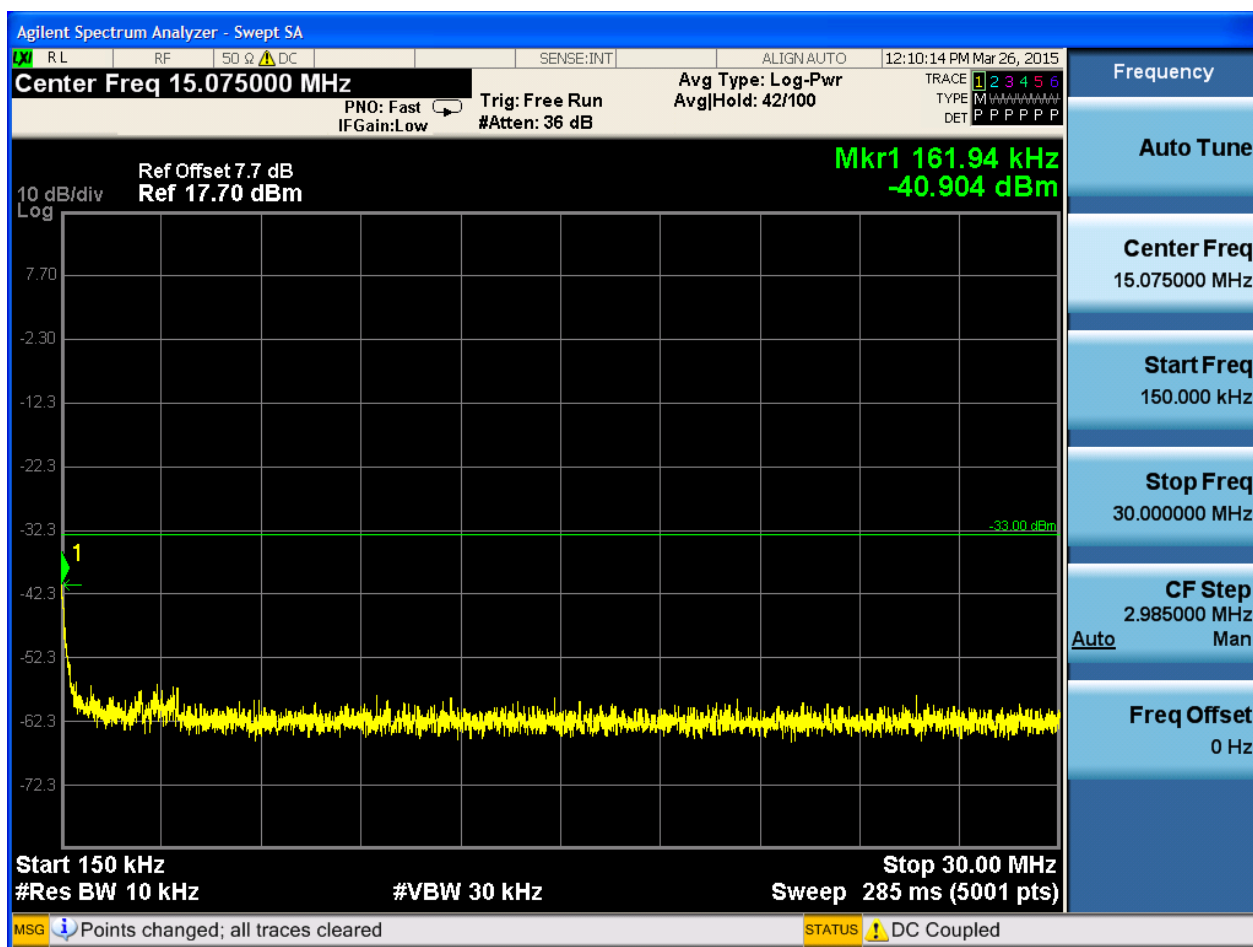


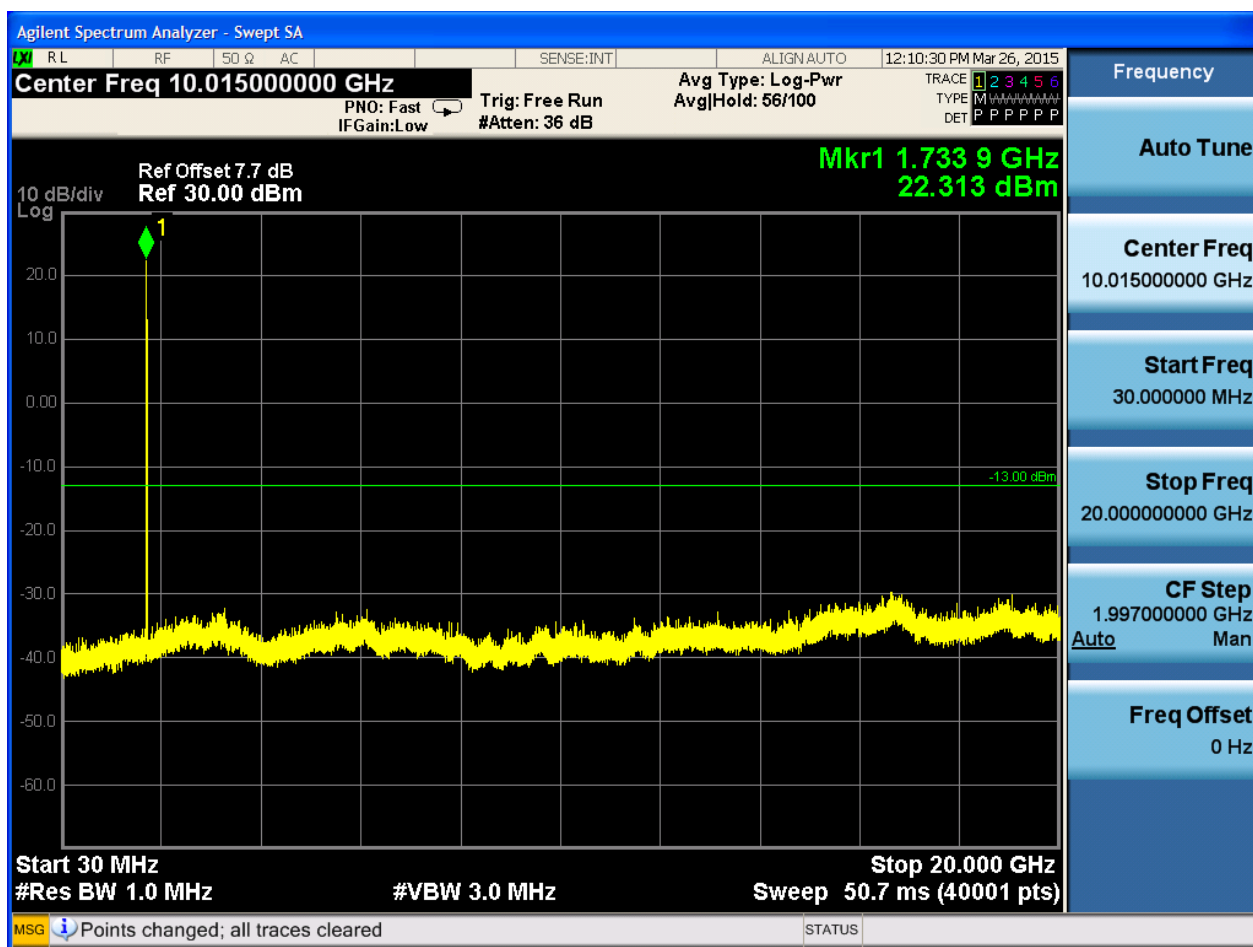




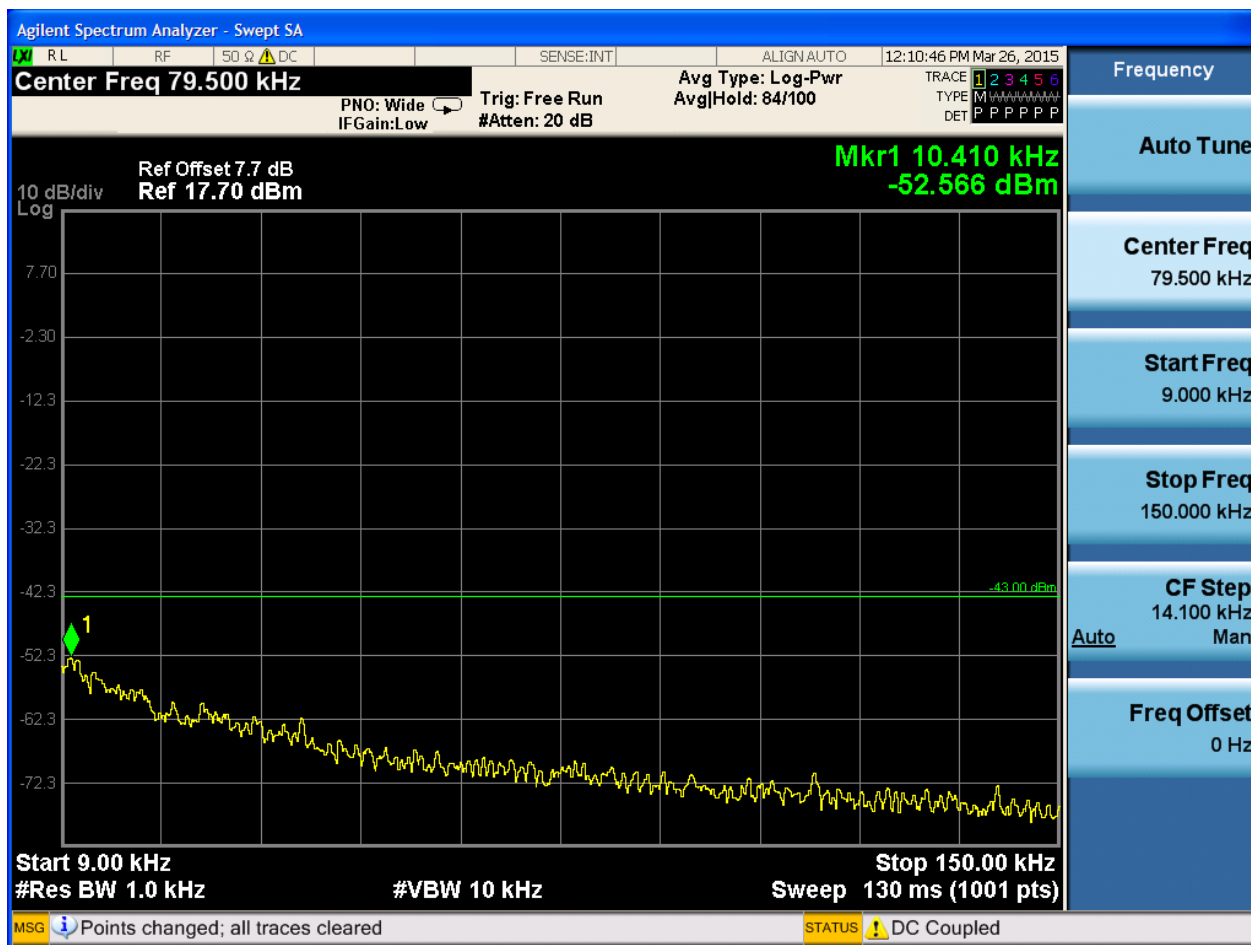
6.2.2.1.2 Test Channel = MCH

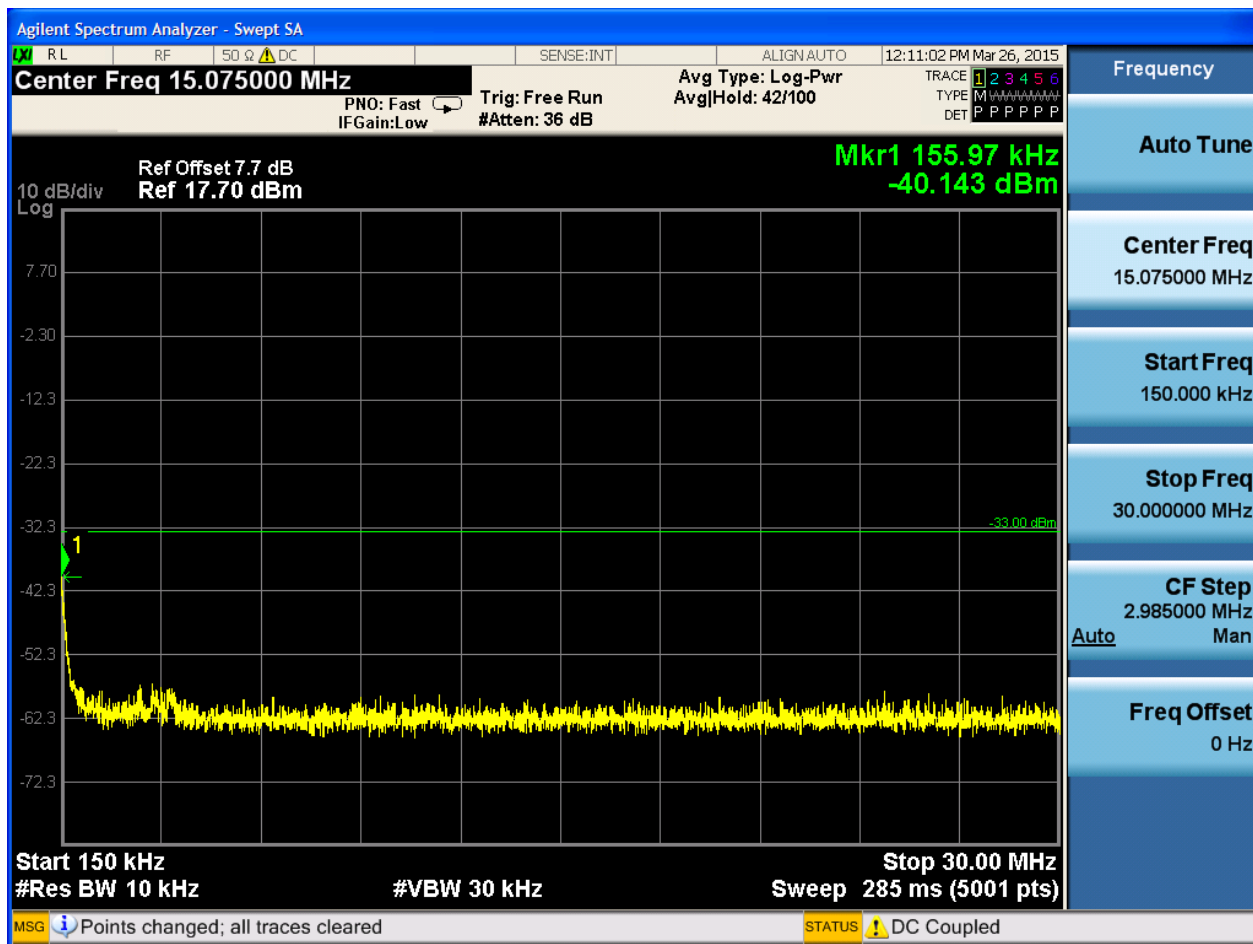


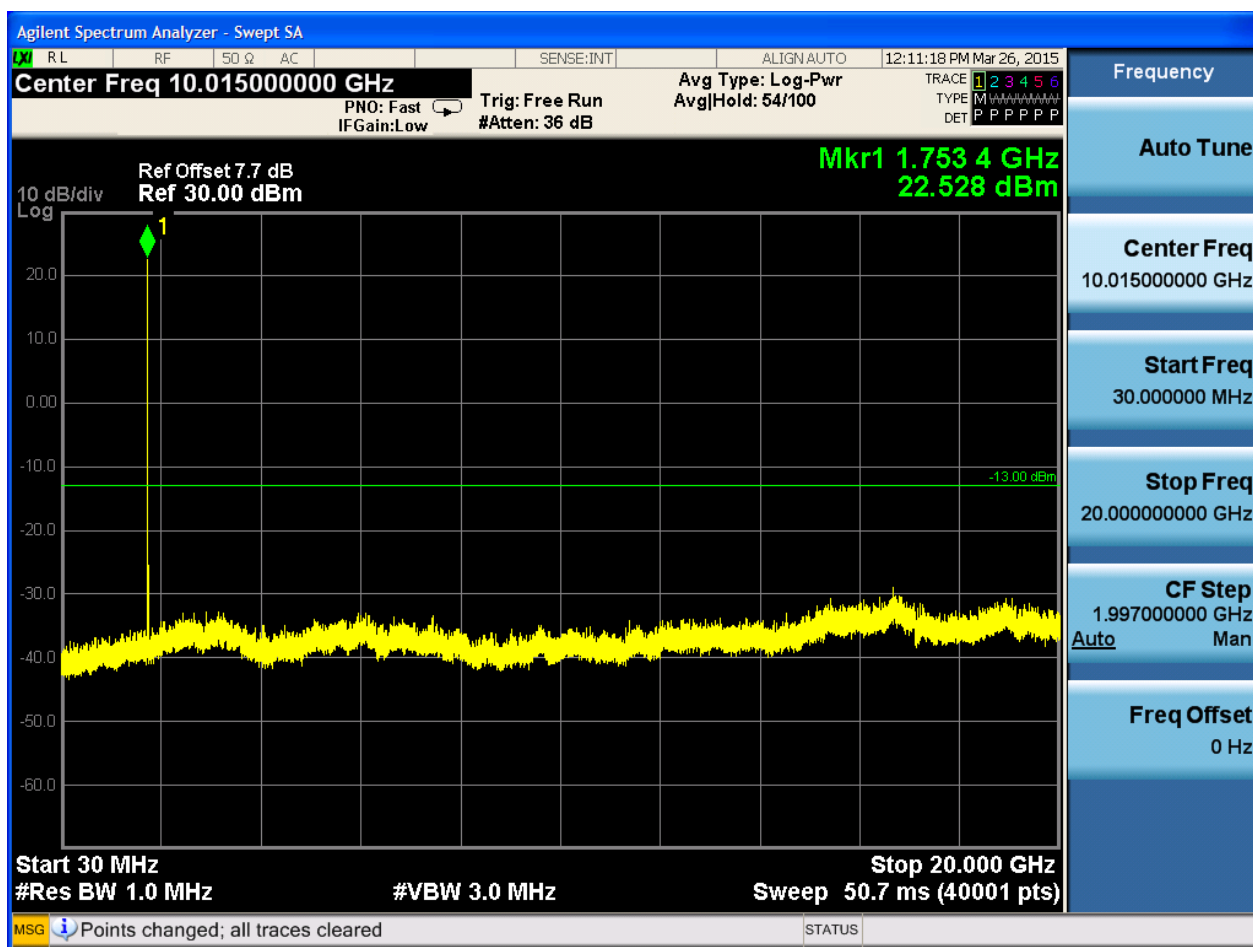




6.2.2.1.3 Test Channel = HCH







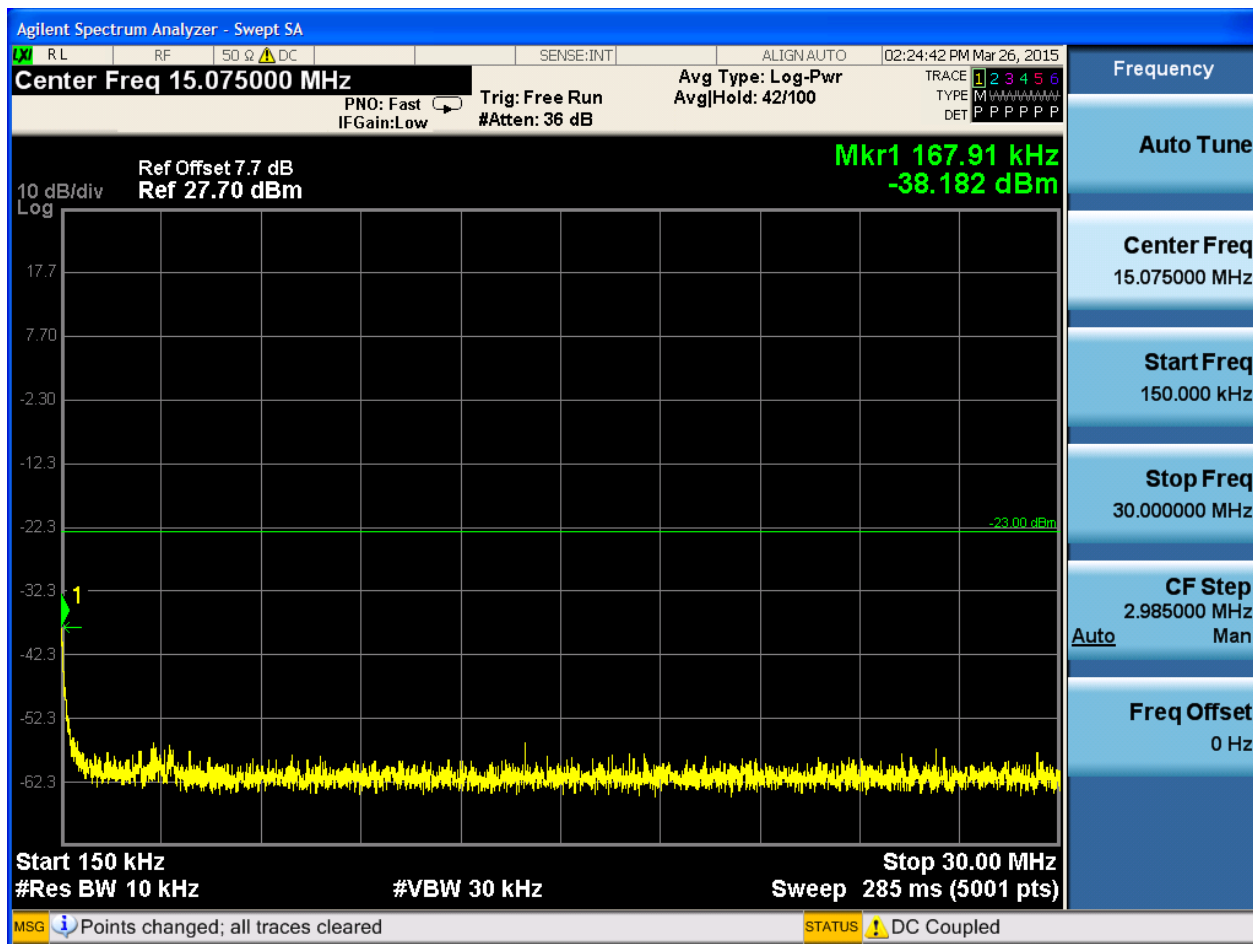


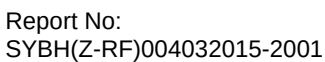
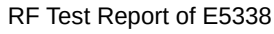
6.2.3 Test Band = WCDMA850

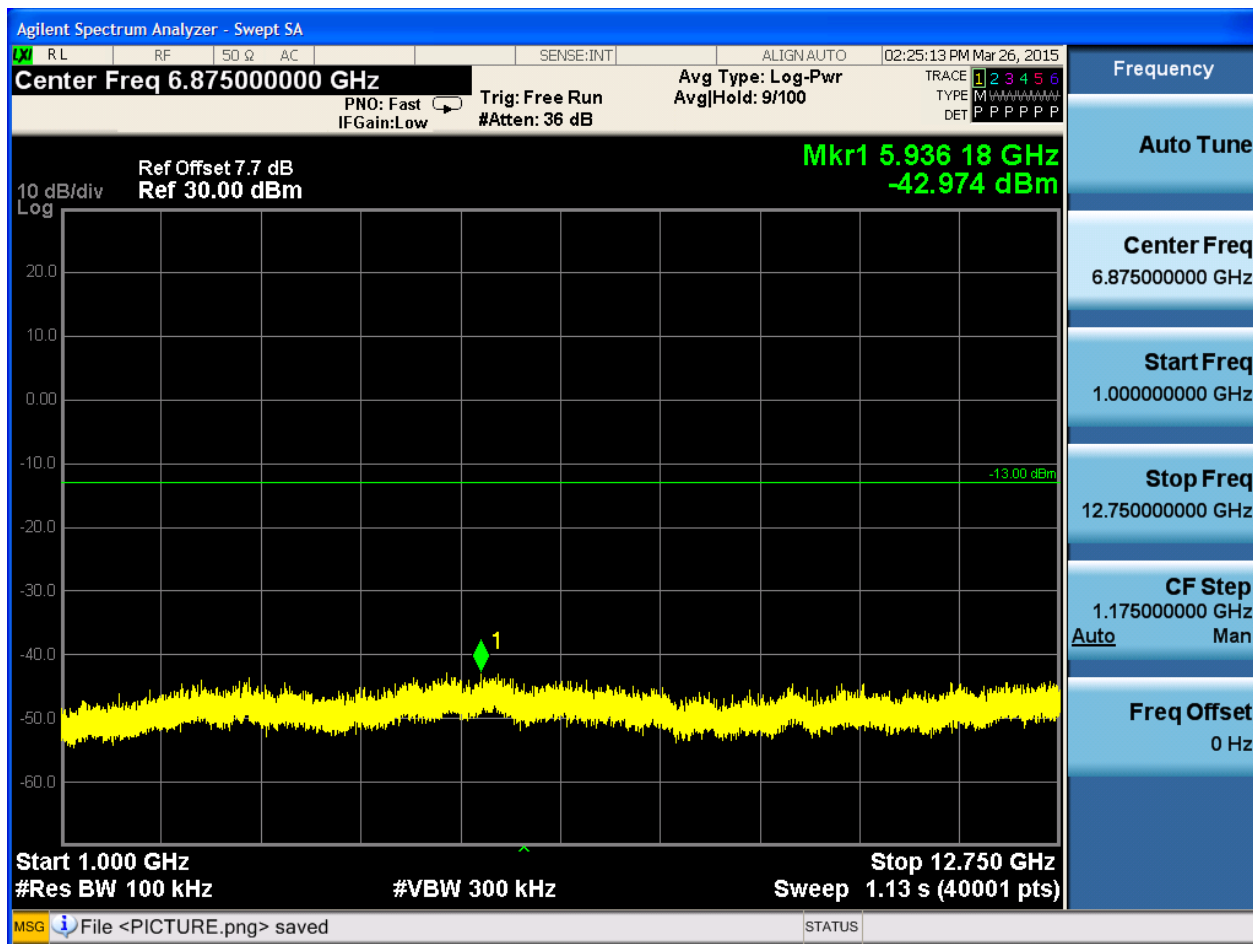
6.2.3.1 Test Mode = UMTS/TM1

6.2.3.1.1 Test Channel = LCH





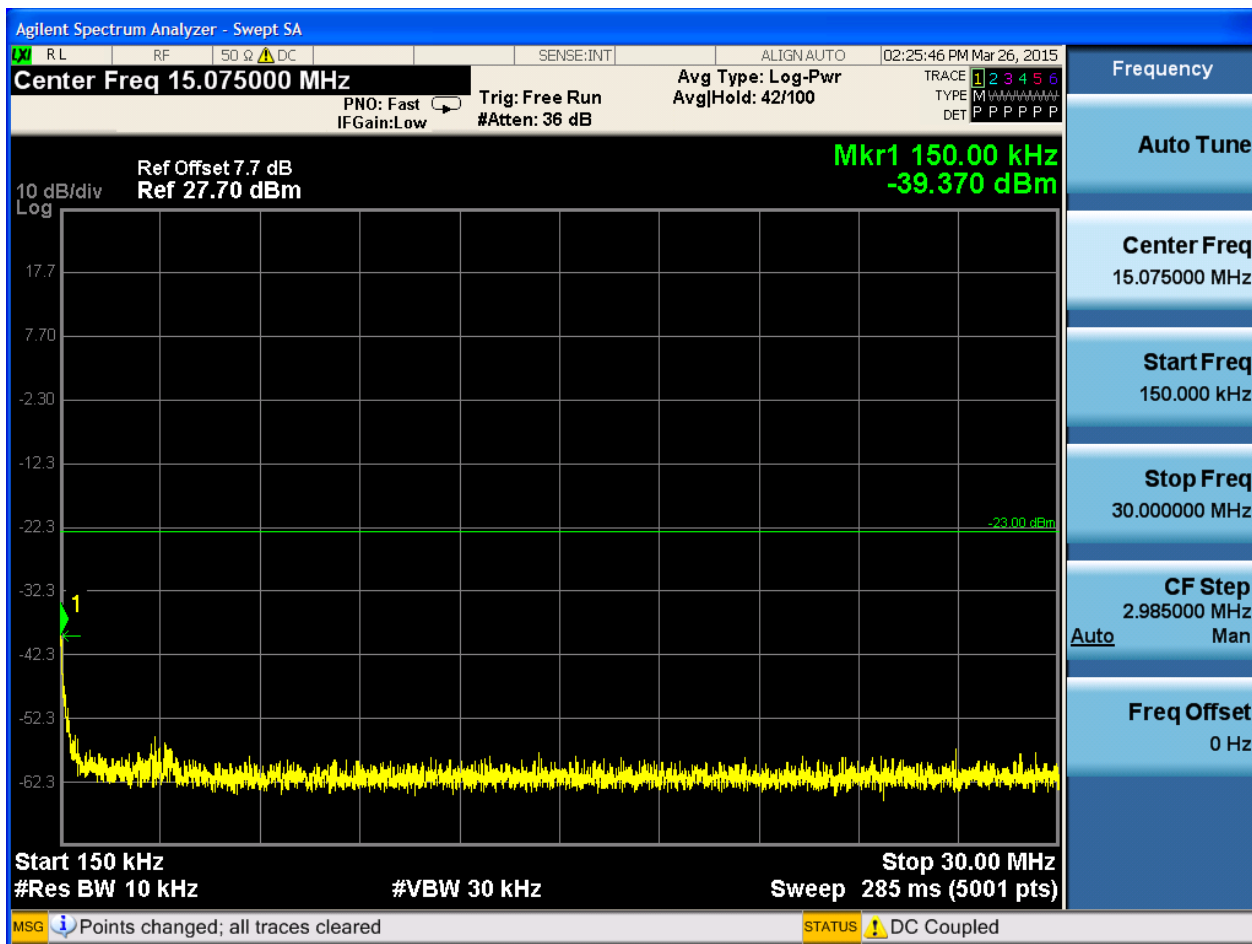


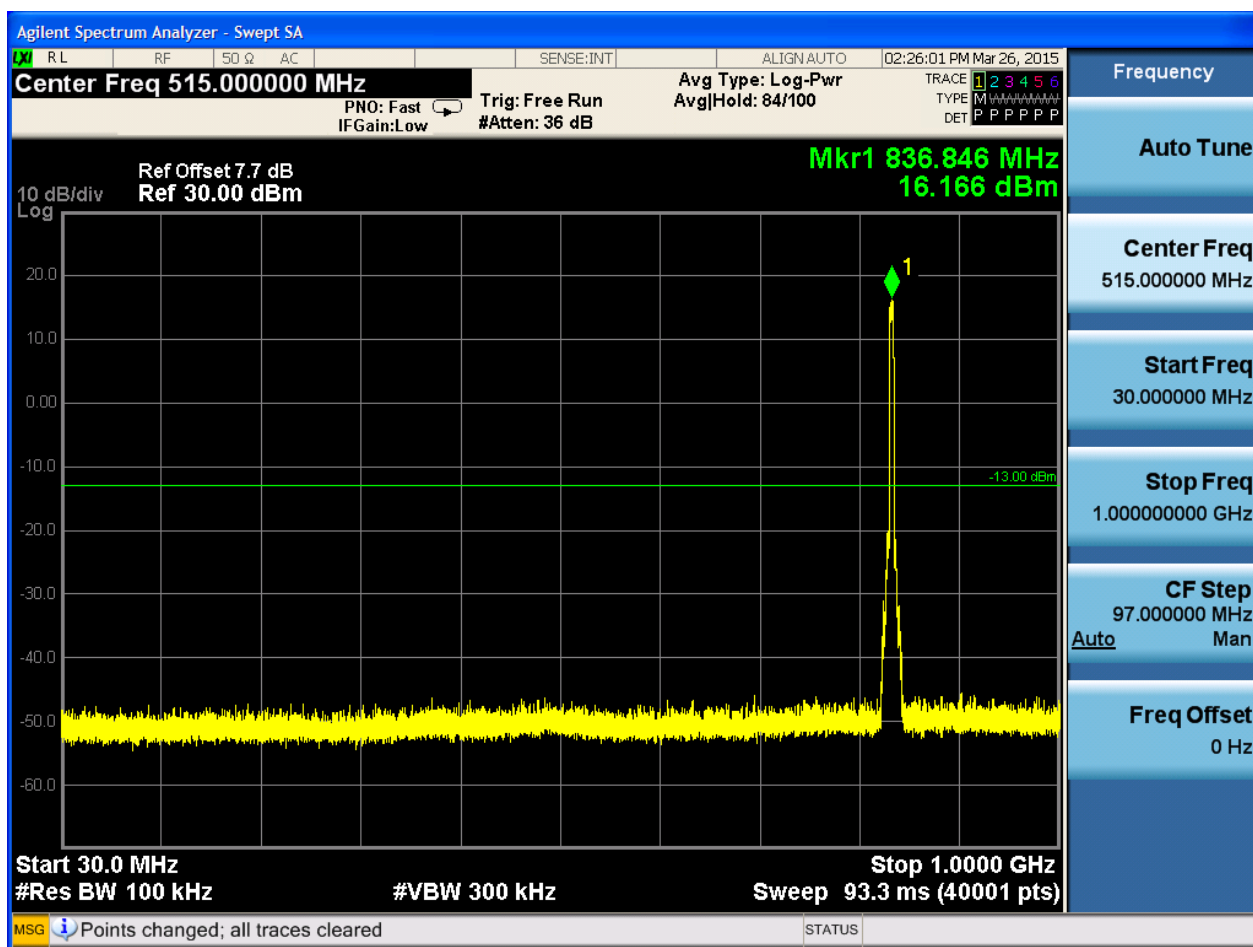


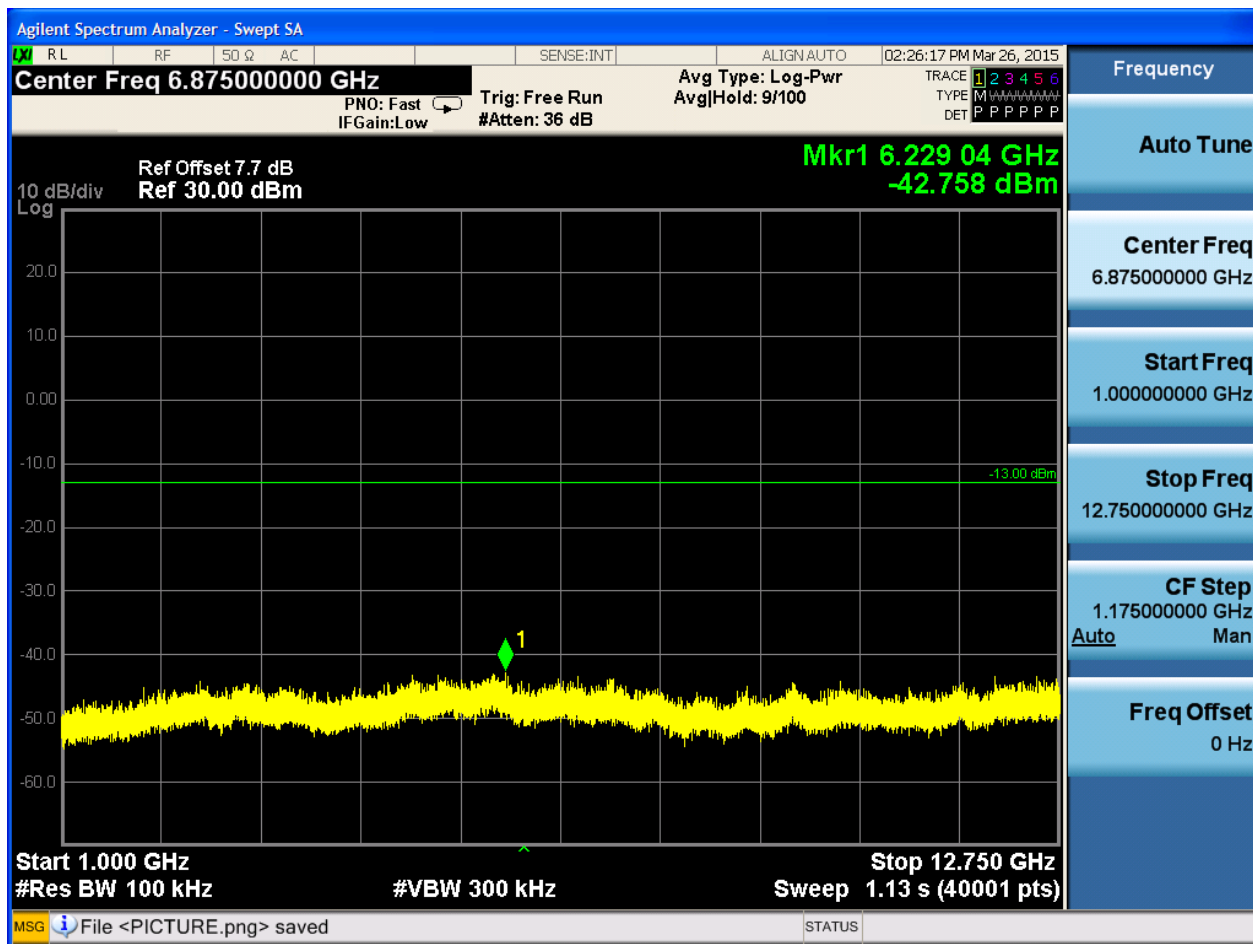


6.2.3.1.2 Test Channel = MCH

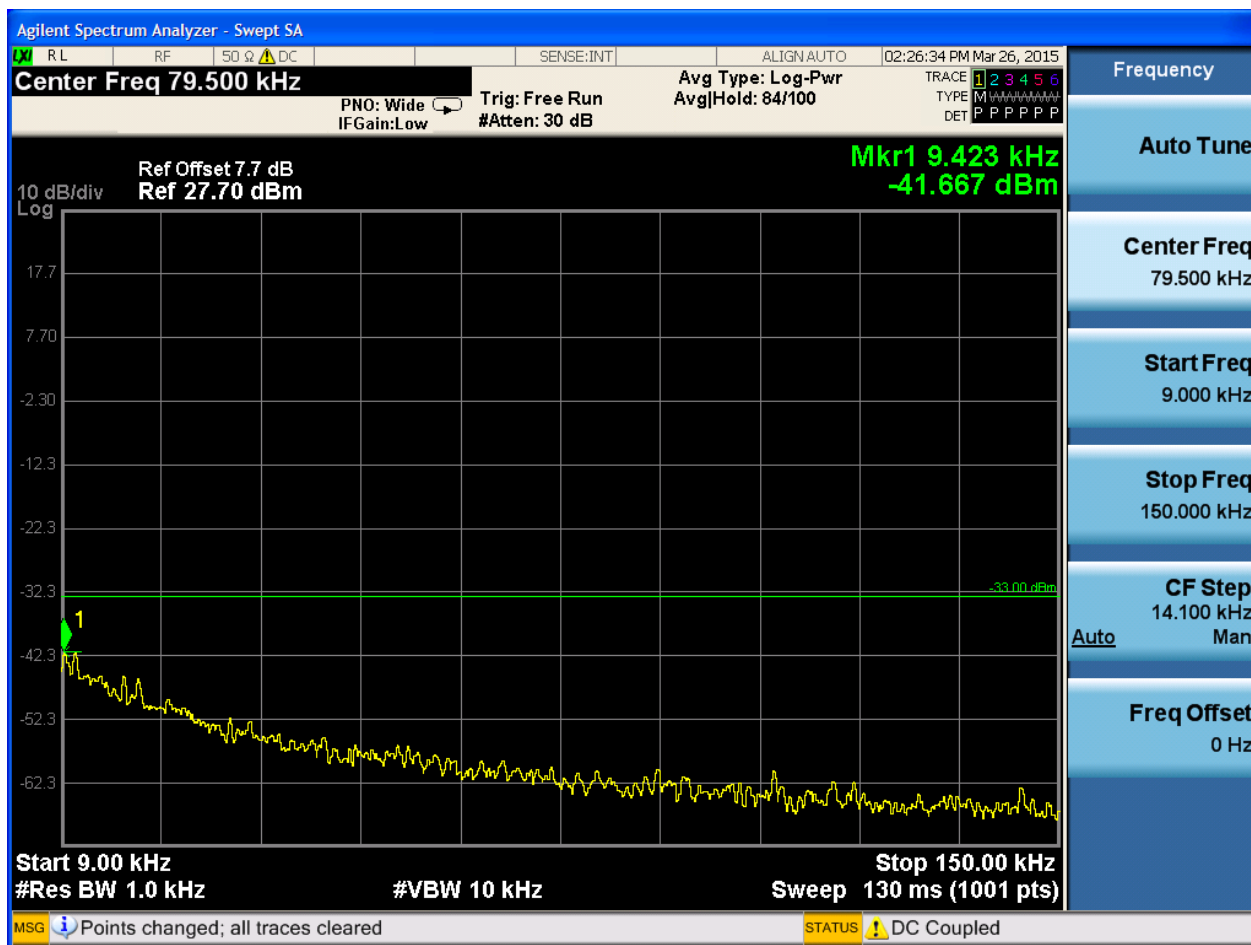


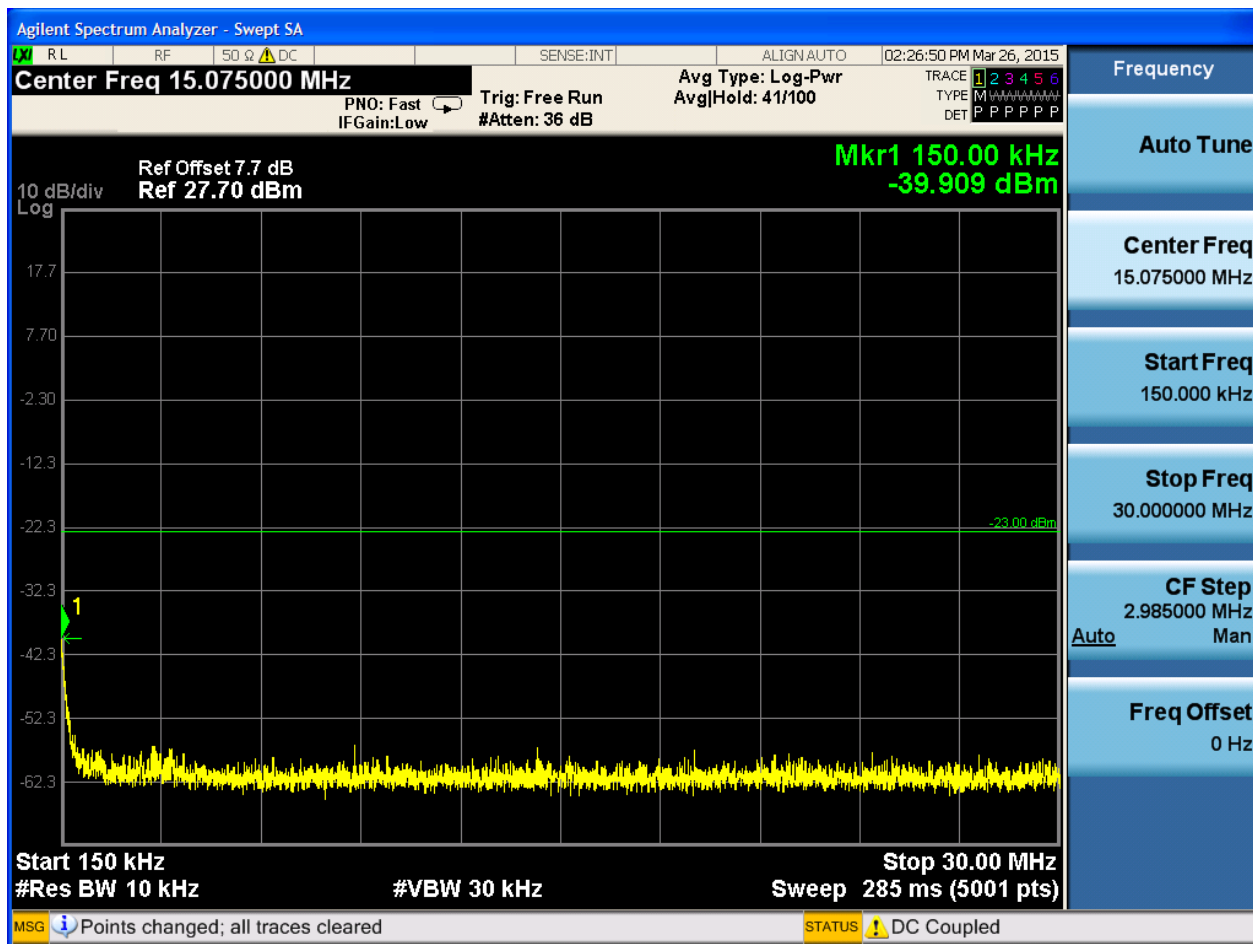


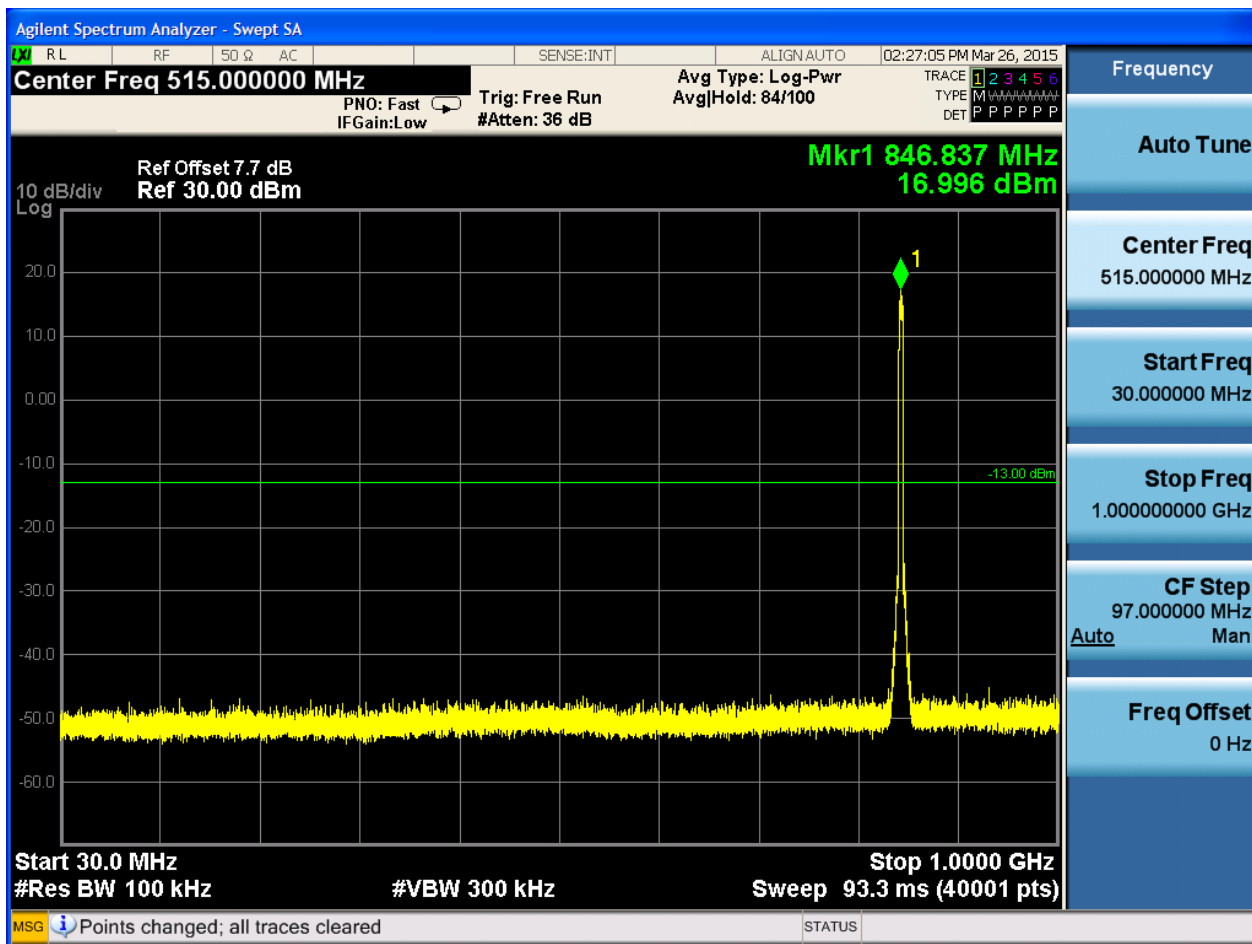


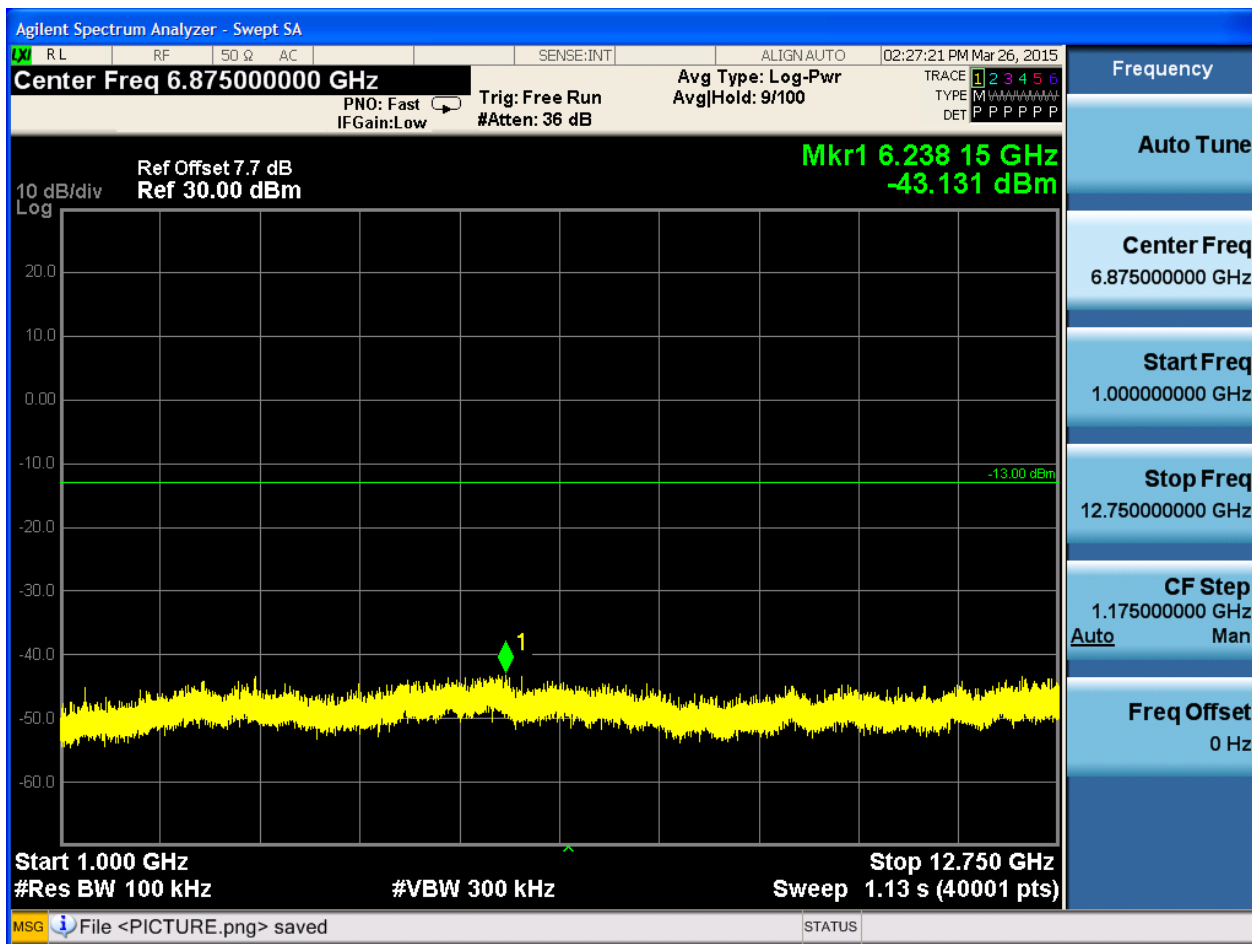


6.2.3.1.3 Test Channel = HCH









7Appendix_G: Field Strength of Spurious Radiation

Note:

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

NOTE1: No peak found in the Test Range of “9 kHz to 30MHz”

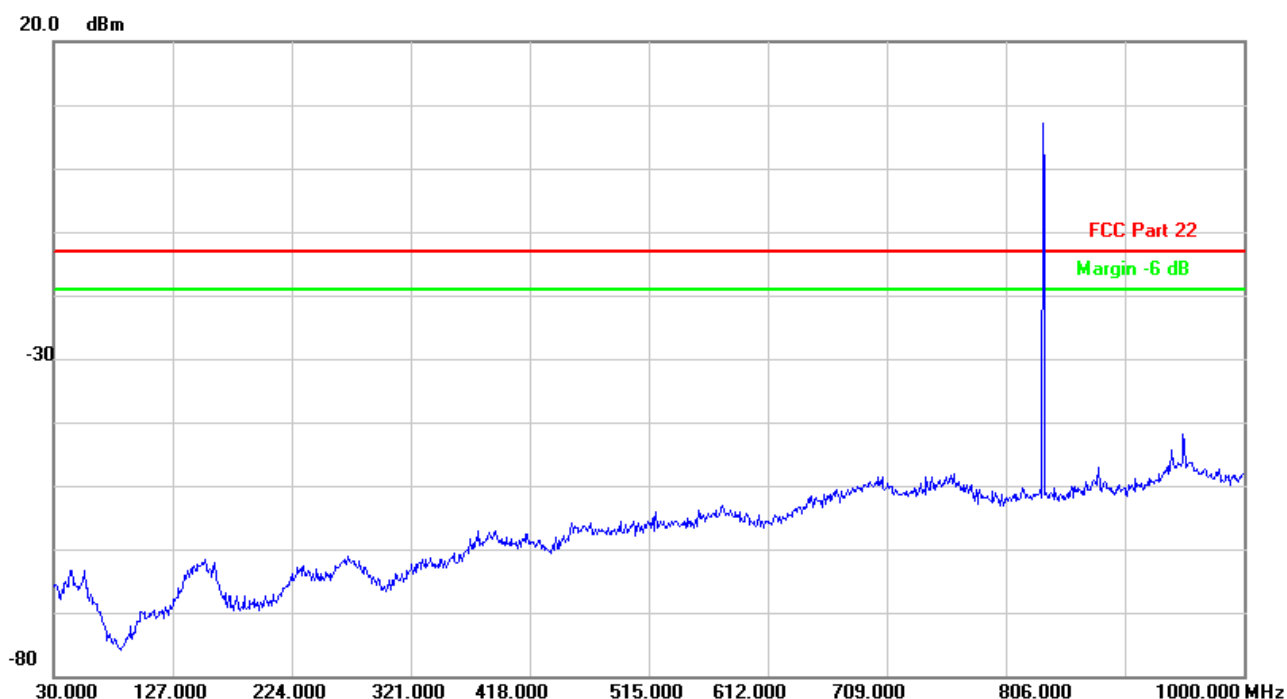
NOTE2: We tested all modes, but the data presented below is the worst case.

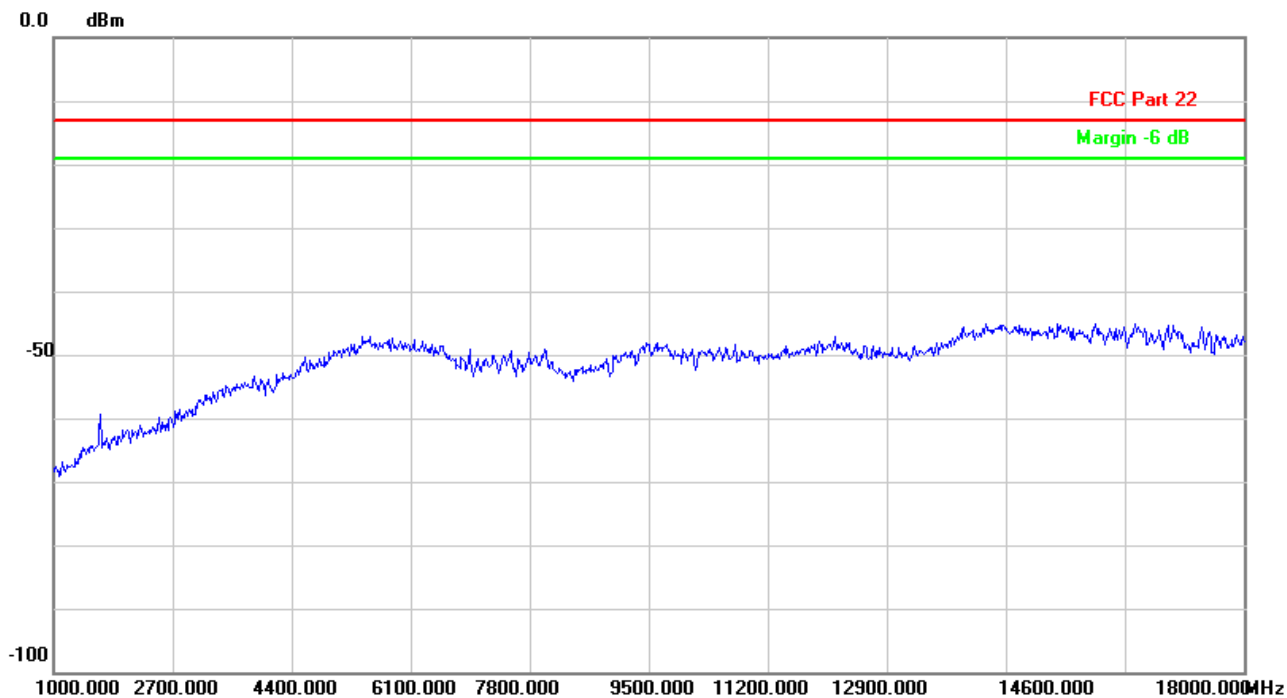
Part I - Test Plots

7.1 For GSM

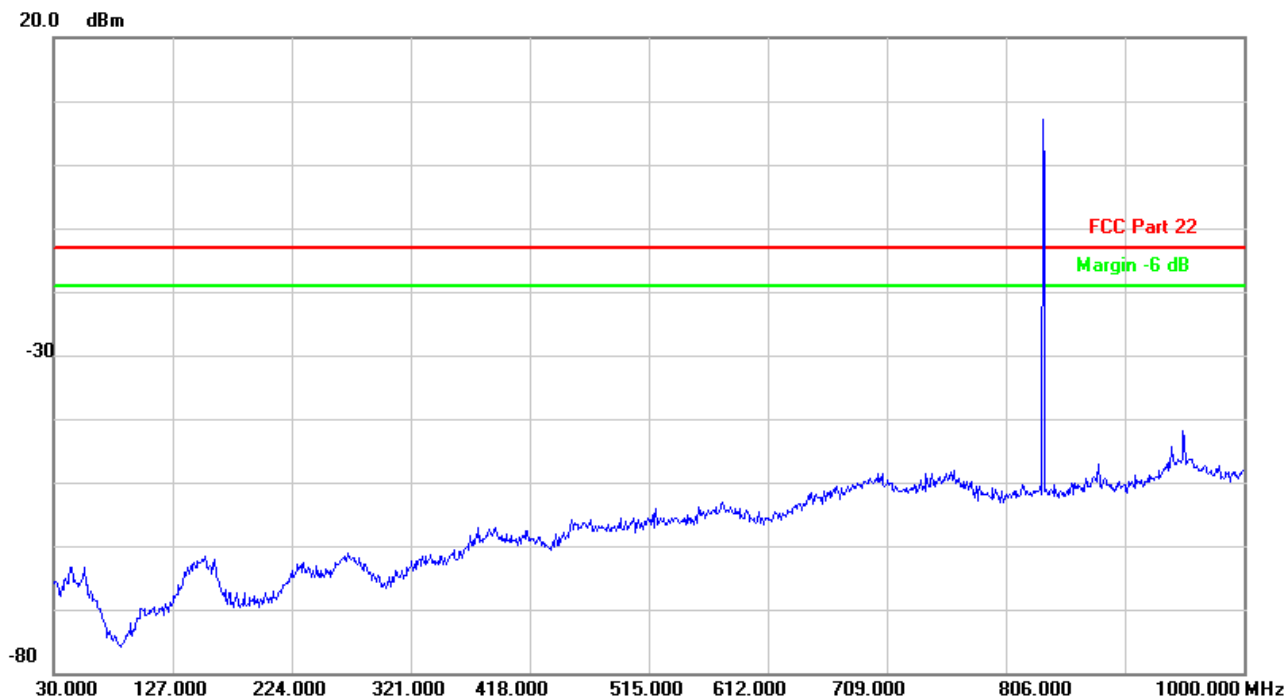
7.1.1 Test Band = GSM850

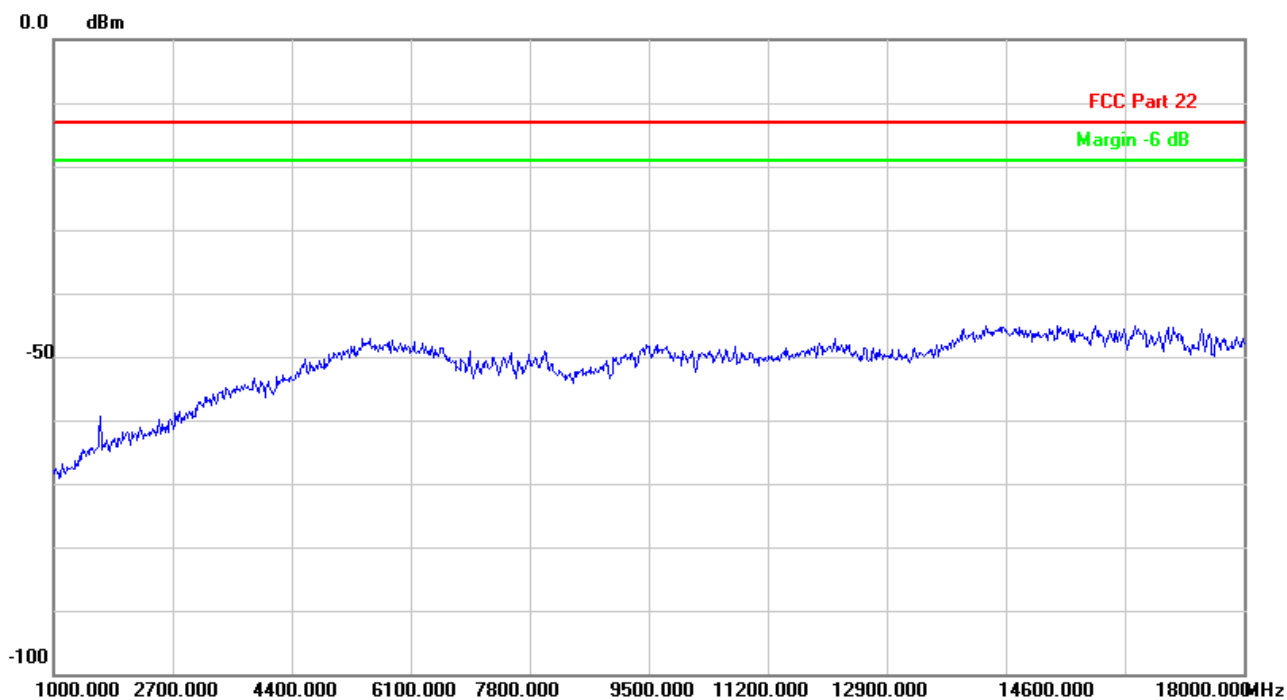
7.1.1.1 Test Mode = GSM/TM1





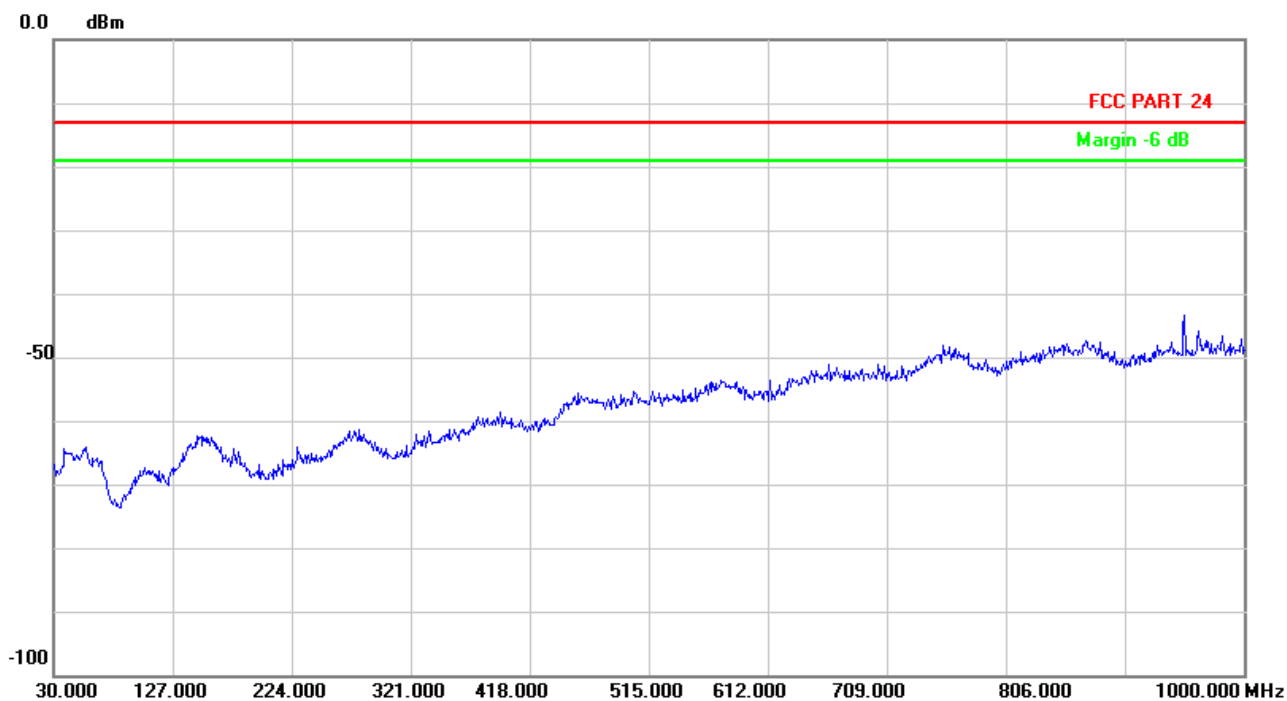
7.1.1.2 Test Mode = GSM/TM2



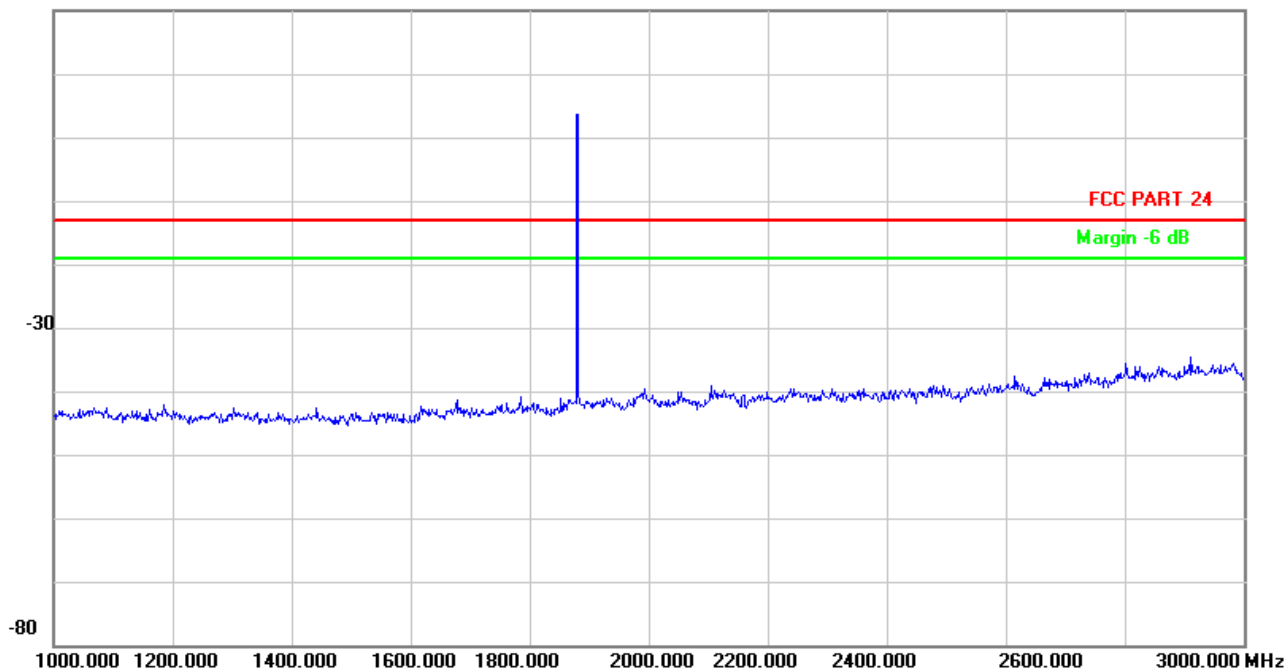


7.1.2 Test Band = GSM1900

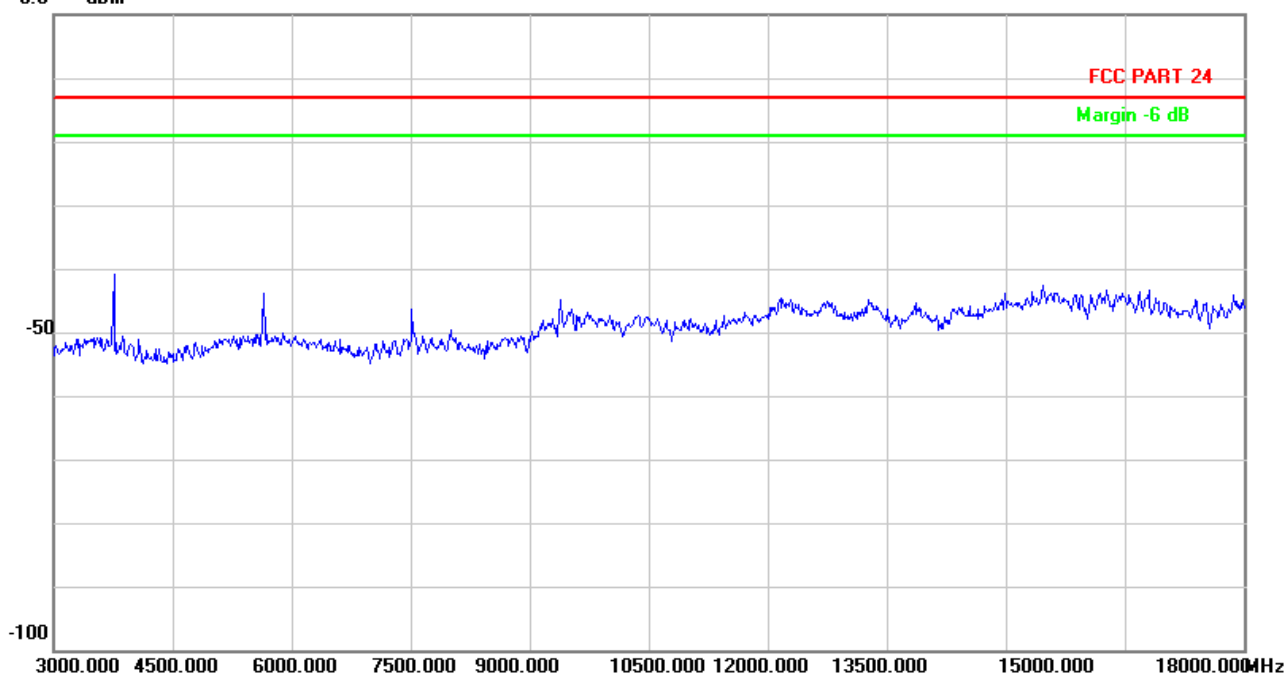
7.1.2.1 Test Mode = GSM/TM1



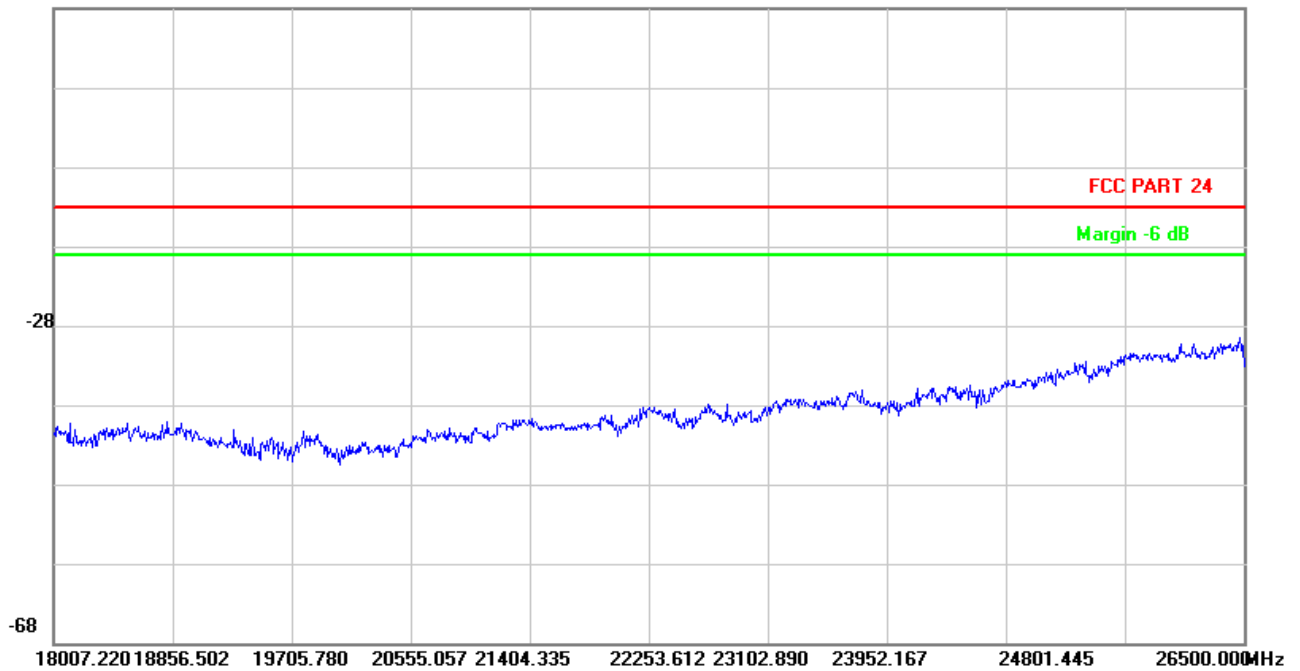
20.0 dBm



0.0 dBm

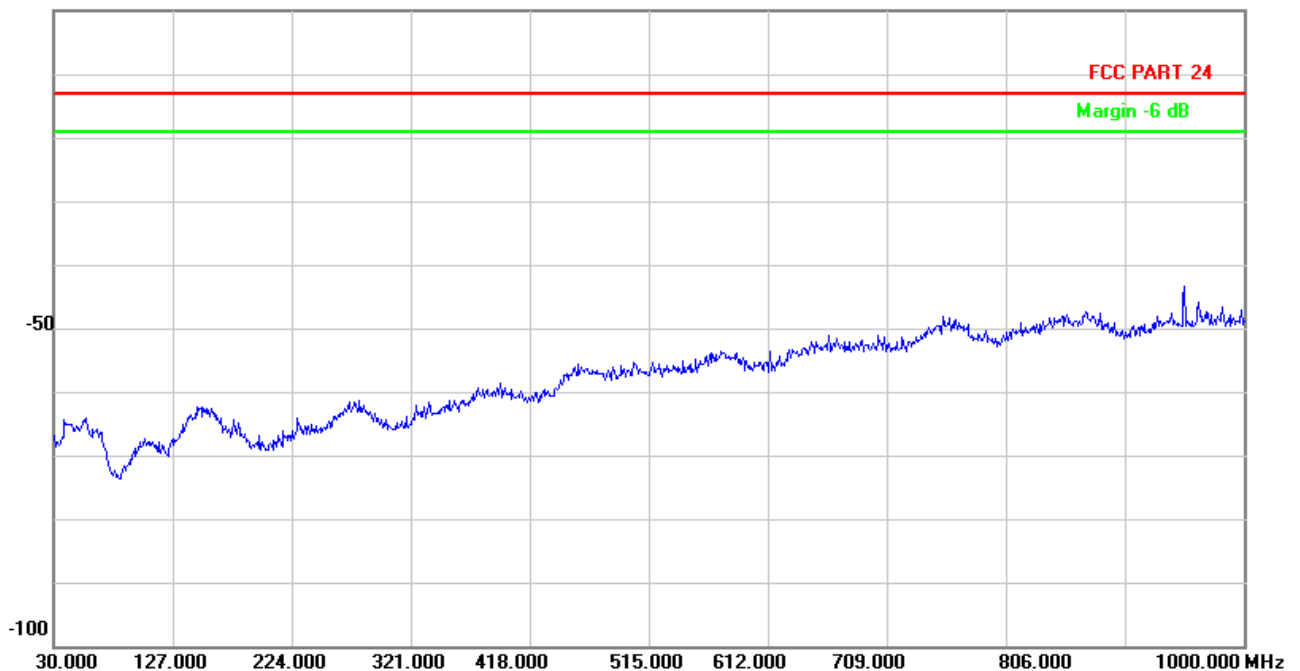


12.0 dBm

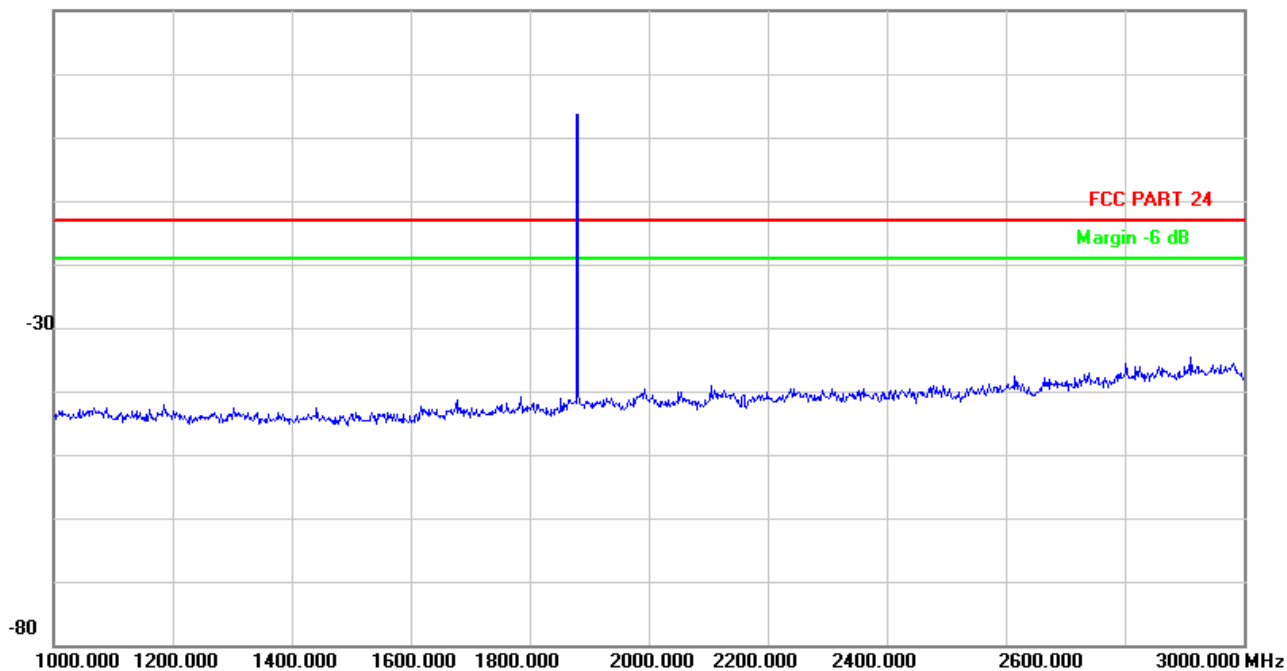


7.1.2.2 Test Mode = GSM/TM2

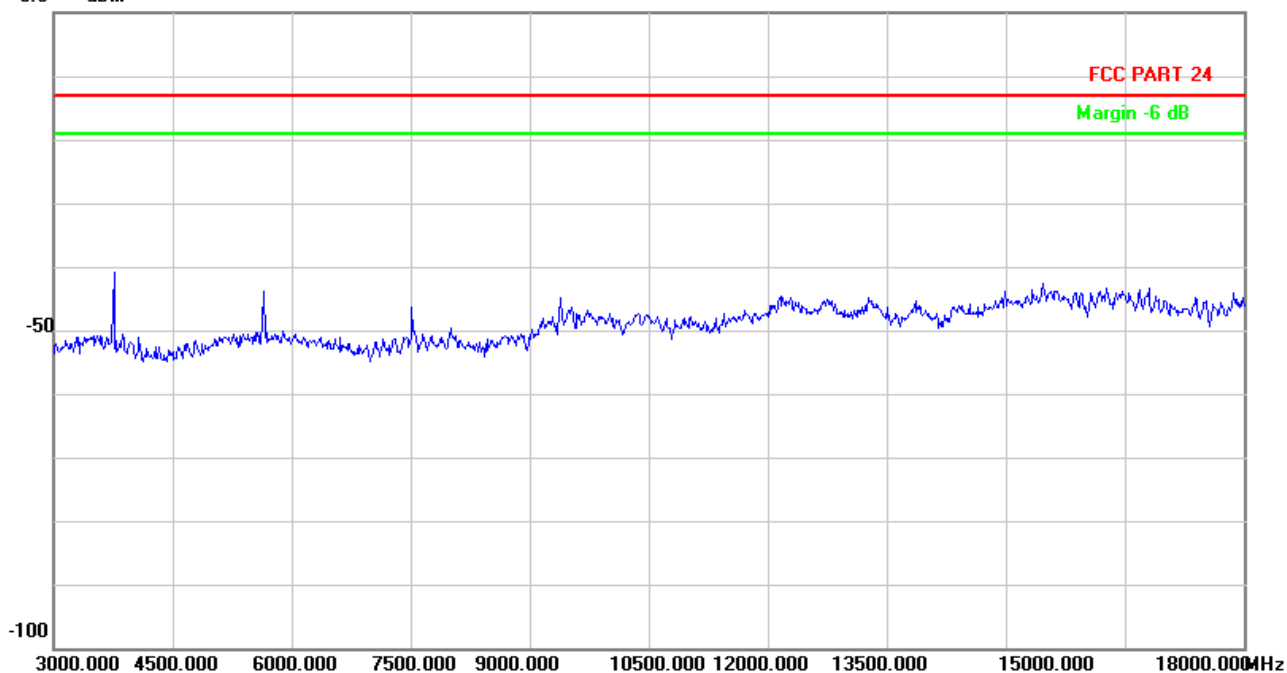
0.0 dBm

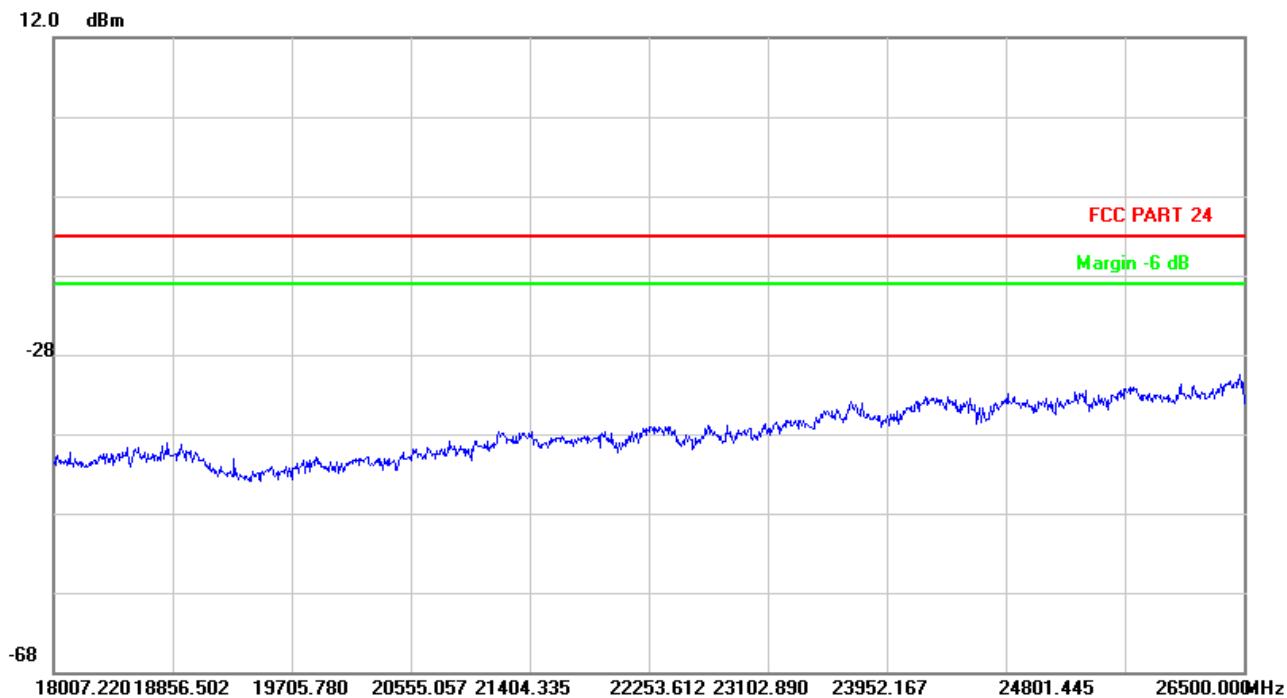


20.0 dBm



0.0 dBm

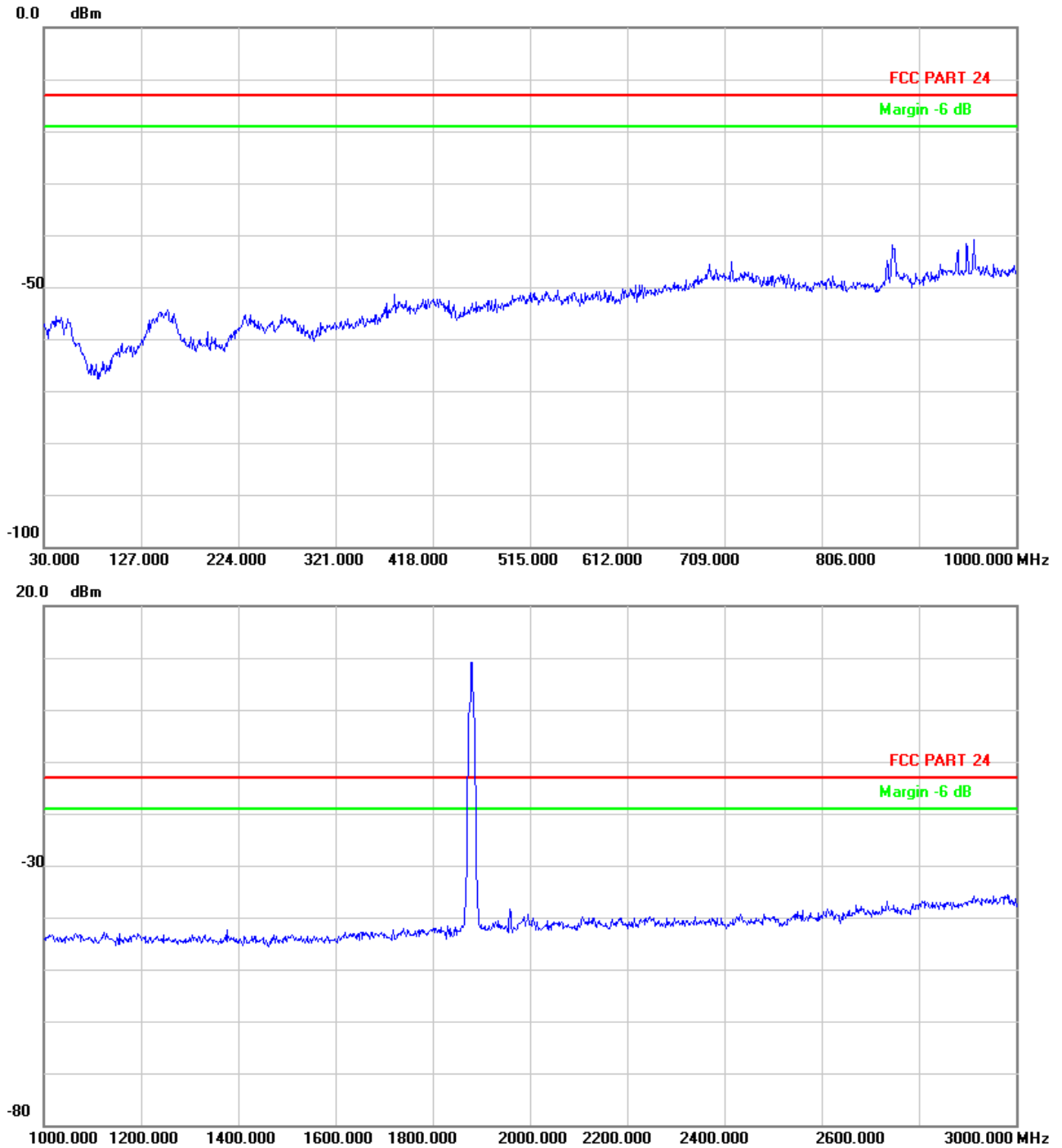


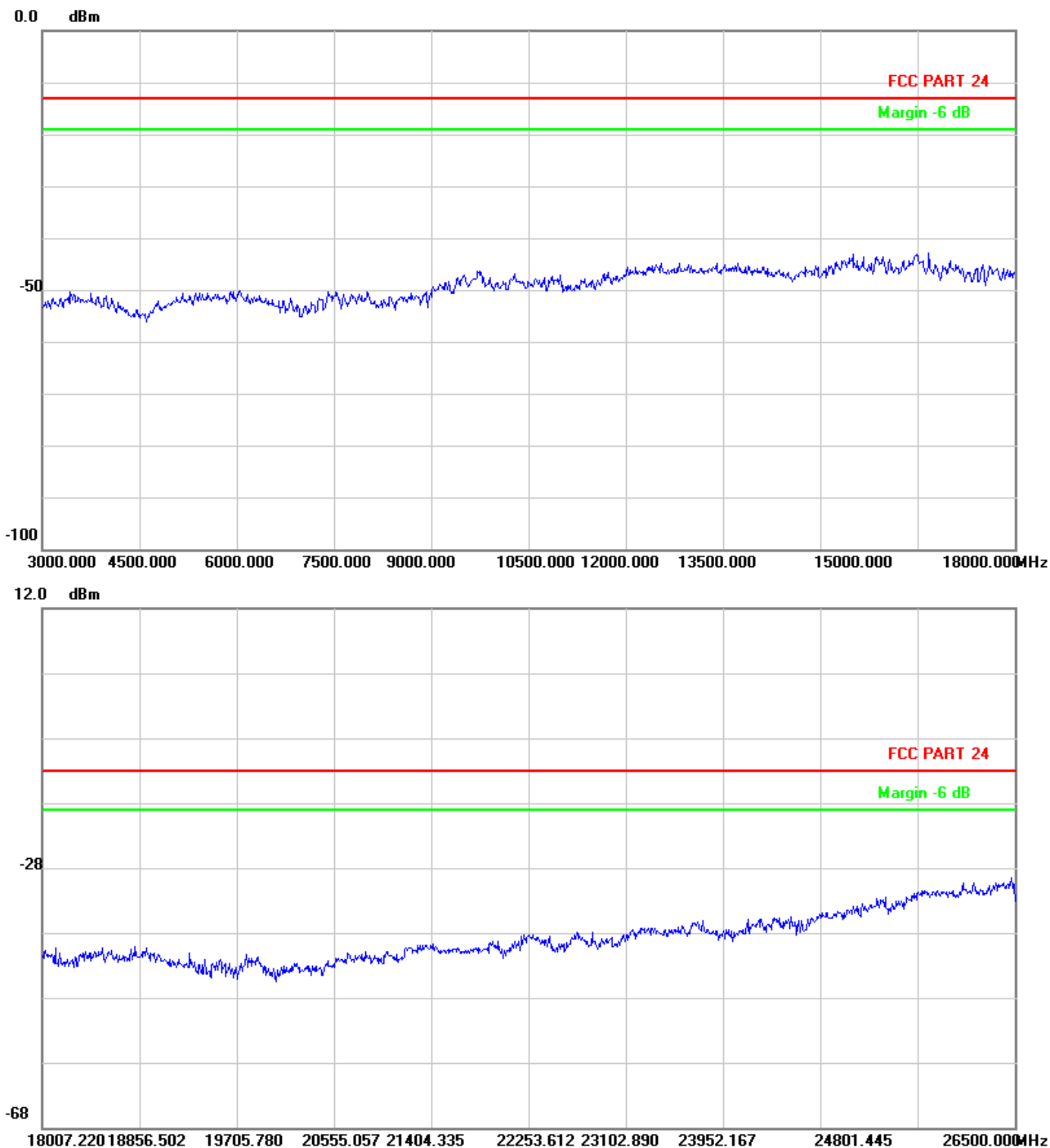


7.2 For UMTS

7.2.1 Test Band = WCDMA1900

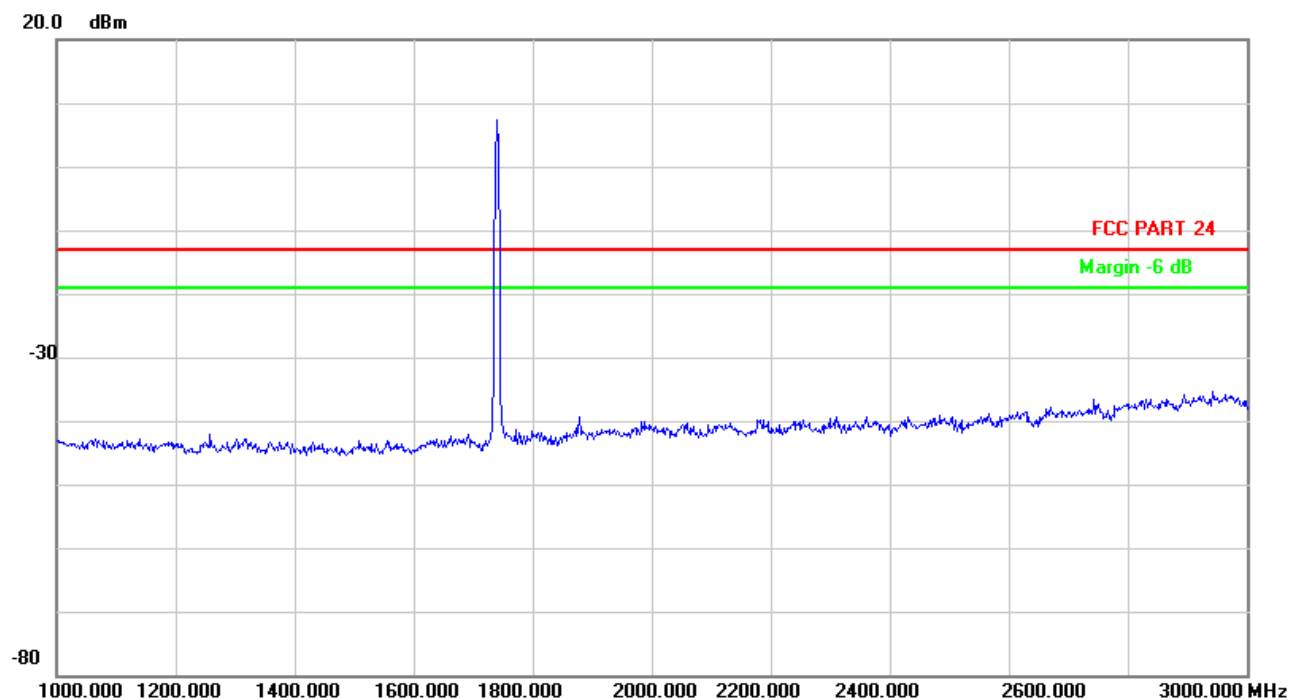
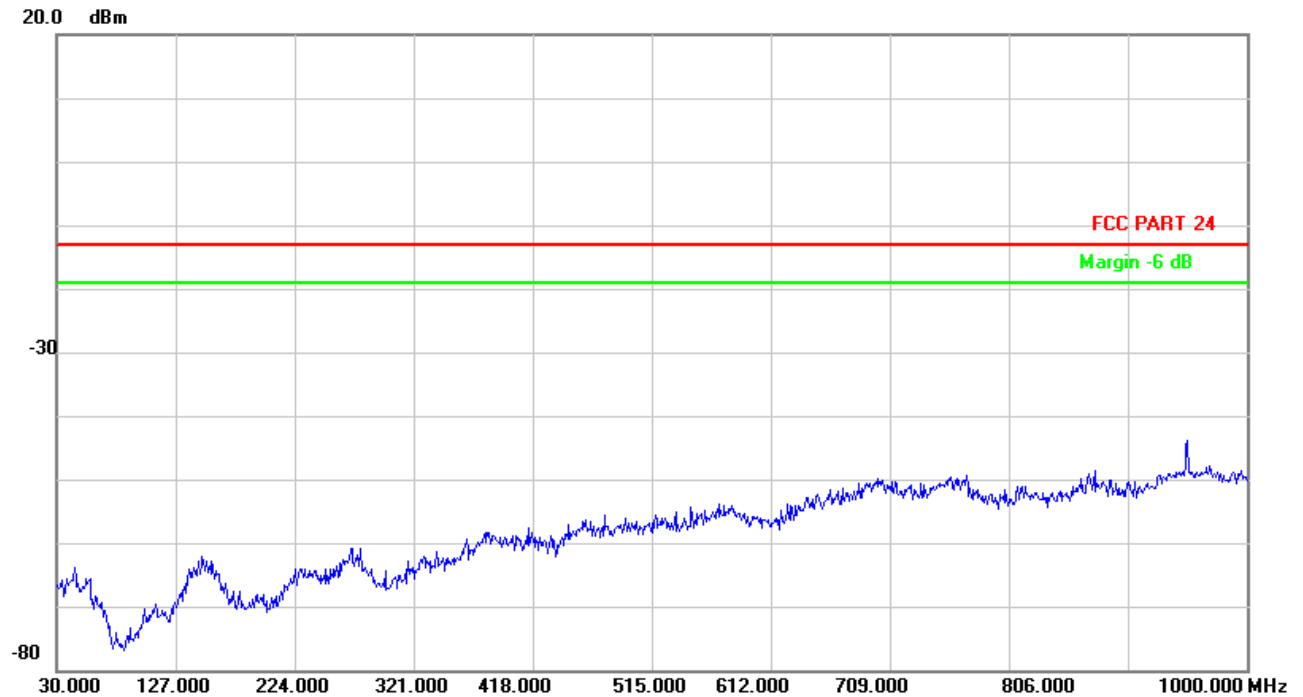
7.2.1.1 Test Mode = UMTS/TM1

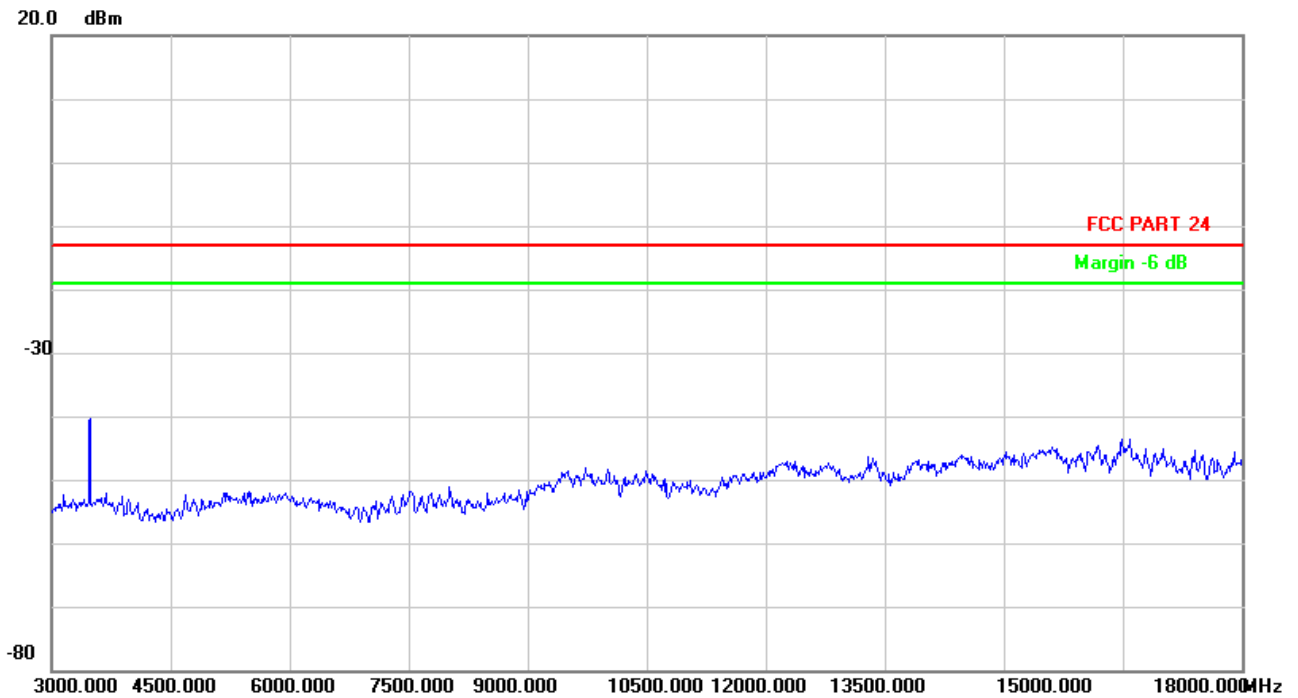




7.2.2 Test Band = WCDMA1700

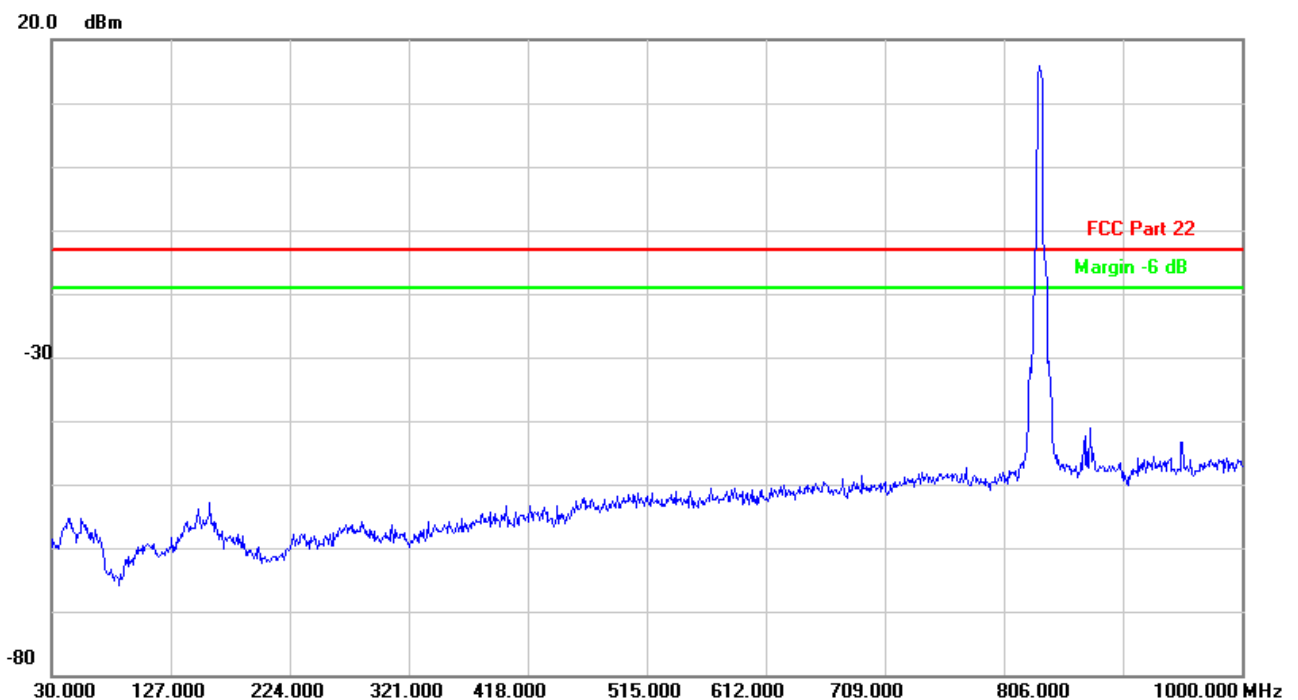
7.2.2.1 Test Mode = UMTS/TM1

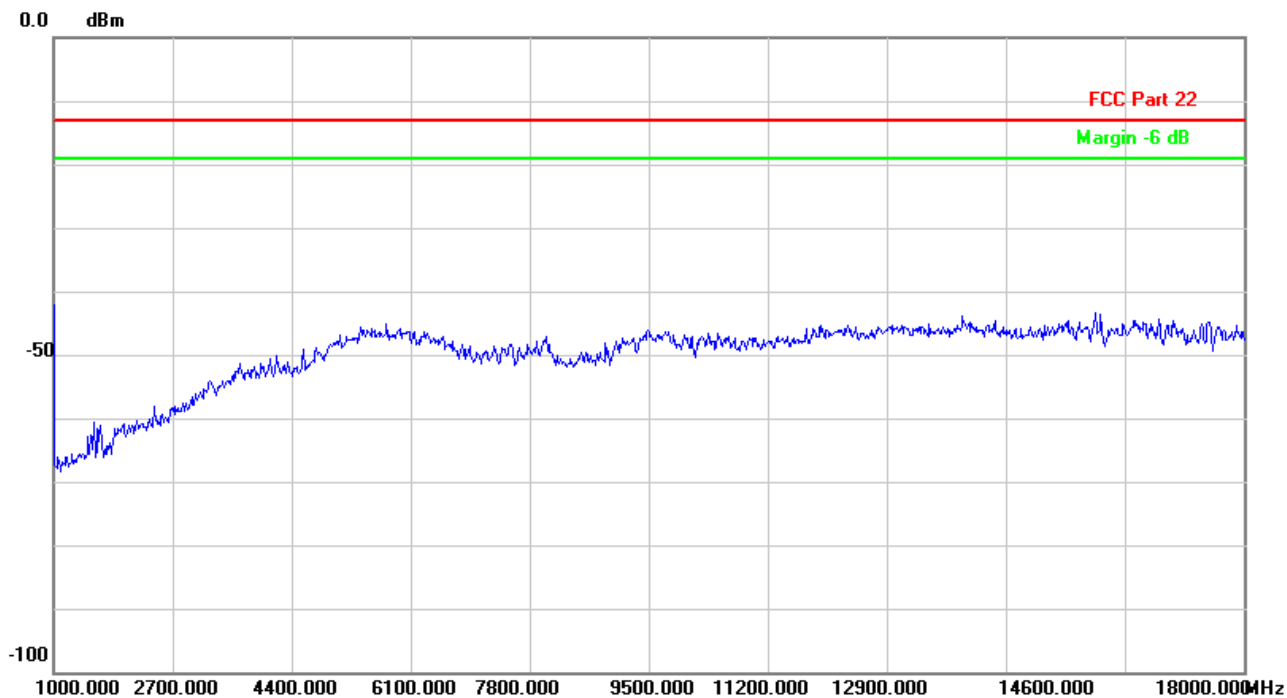




7.2.3 Test Band = WCDMA850

7.2.3.1 Test Mode = UMTS/TM1





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]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-37.32	-0.04528	PASS
				VN	-32.74	-0.03972	PASS
				VH	-34.93	-0.04238	PASS
		MCH	TN	VL	-30.87	-0.0369	PASS
				VN	-35.32	-0.04222	PASS
				VH	-35.26	-0.04215	PASS
		HCH	TN	VL	-33.45	-0.03941	PASS
				VN	-34.03	-0.04009	PASS
				VH	-30.09	-0.03545	PASS
	GSM/TM2	LCH	TN	VL	-47.75	-0.05793	PASS
				VN	-34.71	-0.04211	PASS
				VH	-32.06	-0.0389	PASS
		MCH	TN	VL	-39.23	-0.04689	PASS
				VN	-48.78	-0.05831	PASS
				VH	-38.29	-0.04577	PASS
		HCH	TN	VL	-37.23	-0.04386	PASS
				VN	-40.84	-0.04811	PASS
				VH	-42.81	-0.05044	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-68.77	-0.03717	PASS
				VN	-70.84	-0.03829	PASS
				VH	-64.51	-0.03487	PASS
		MCH	TN	VL	-73.03	-0.03885	PASS
				VN	-73.61	-0.03915	PASS
				VH	-68.77	-0.03658	PASS
		HCH	TN	VL	-73.68	-0.03858	PASS
				VN	-69.74	-0.03652	PASS
				VH	-64.57	-0.03381	PASS
	GSM/TM2	LCH	TN	VL	-61.41	-0.03319	PASS
				VN	-76.58	-0.04139	PASS
				VH	-69.51	-0.03757	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-71.13	-0.03784	PASS
				VN	-67.83	-0.03608	PASS
				VH	-77.81	-0.04139	PASS
		HCH	TN	VL	-70.77	-0.03706	PASS
				VN	-72.35	-0.03788	PASS
				VH	-76.13	-0.03986	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]	Verdict
GSM850	GSM/TM1	LCH	VN	-30	-35.51	-0.04308	PASS
				-20	-33.32	-0.04043	PASS
				-10	-37.39	-0.04537	PASS
				0	-37.84	-0.04591	PASS
				10	-35.06	-0.04254	PASS
				20	-32.22	-0.03909	PASS
				30	-31.64	-0.03839	PASS
				40	-34.09	-0.04136	PASS
				50	-34.93	-0.04238	PASS
		MCH	VN	-30	-32.8	-0.03921	PASS
				-20	-32.03	-0.03829	PASS
				-10	-33.06	-0.03952	PASS
				0	-29.9	-0.03574	PASS
				10	-31.25	-0.03735	PASS
				20	-33.19	-0.03967	PASS
				30	-32.93	-0.03936	PASS
				40	-32.48	-0.03882	PASS
				50	-34.68	-0.04145	PASS
		HCH	VN	-30	-35.13	-0.04139	PASS
				-20	-32.03	-0.03774	PASS
				-10	-32.29	-0.03804	PASS
				0	-32.67	-0.03849	PASS
				10	-31.25	-0.03682	PASS
				20	-32.22	-0.03796	PASS
				30	-31.38	-0.03697	PASS
				40	-31.06	-0.03659	PASS
				50	-31.25	-0.03682	PASS
	GSM/TM2	LCH	VN	-30	-38.52	-0.04674	PASS
				-20	-33.35	-0.04046	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	-39.78	-0.04826	PASS
				0	-39.74	-0.04822	PASS
				10	-36.94	-0.04482	PASS
				20	-37.74	-0.04579	PASS
				30	-31.64	-0.03839	PASS
				40	-43.04	-0.05222	PASS
				50	-38.71	-0.04697	PASS
		MCH	VN	-30	-39.74	-0.0475	PASS
				-20	-38.26	-0.04573	PASS
				-10	-43.97	-0.05256	PASS
				0	-41.94	-0.05013	PASS
				10	-37.68	-0.04504	PASS
				20	-44.2	-0.05283	PASS
				30	-44.75	-0.05349	PASS
				40	-41.68	-0.04982	PASS
				50	-38.9	-0.0465	PASS
		HCH	VN	-30	-46.75	-0.05508	PASS
				-20	-46.14	-0.05436	PASS
				-10	-39.94	-0.04705	PASS
				0	-38.55	-0.04542	PASS
				10	-45.26	-0.05332	PASS
				20	-42.91	-0.05055	PASS
				30	-40.65	-0.04789	PASS
				40	-45.75	-0.0539	PASS
				50	-45.43	-0.05352	PASS
GSM1900	GSM/TM1	LCH	VN	-30	-63.86	-0.03452	PASS
				-20	-64.44	-0.03483	PASS
				-10	-67.99	-0.03675	PASS
				0	-70.25	-0.03797	PASS
				10	-65.86	-0.0356	PASS
				20	-66.7	-0.03605	PASS
				30	-61.08	-0.03301	PASS
				40	-71.61	-0.0387	PASS
				50	-69.03	-0.03731	PASS
		MCH	VN	-30	-67.99	-0.03616	PASS
				-20	-74.06	-0.03939	PASS
				-10	-70.51	-0.03751	PASS
				0	-68.19	-0.03627	PASS
				10	-71.55	-0.03806	PASS
				20	-69.74	-0.0371	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-76.84	-0.04087	PASS
				40	-67.74	-0.03603	PASS
				50	-72.32	-0.03847	PASS
		HCH	VN	-30	-68.7	-0.03597	PASS
				-20	-67.41	-0.0353	PASS
				-10	-65.86	-0.03449	PASS
				0	-70.58	-0.03696	PASS
				10	-70.19	-0.03675	PASS
				20	-68.25	-0.03574	PASS
				30	-62.44	-0.03269	PASS
				40	-70.77	-0.03706	PASS
				50	-71.22	-0.03729	PASS
	GSM/TM2	LCH	VN	-30	-64.22	-0.03471	PASS
				-20	-73.1	-0.03951	PASS
				-10	-68.99	-0.03729	PASS
				0	-72.19	-0.03902	PASS
				10	-67.15	-0.03629	PASS
				20	-68.41	-0.03697	PASS
				30	-81.26	-0.04392	PASS
				40	-70.54	-0.03813	PASS
				50	-73.64	-0.0398	PASS
		MCH	VN	-30	-78.84	-0.04194	PASS
				-20	-71.25	-0.0379	PASS
				-10	-63.54	-0.0338	PASS
				0	-72.09	-0.03835	PASS
				10	-74.45	-0.0396	PASS
				20	-69.8	-0.03713	PASS
				30	-74.35	-0.03955	PASS
				40	-72.84	-0.03874	PASS
				50	-77.03	-0.04097	PASS
		HCH	VN	-30	-71.97	-0.03768	PASS
				-20	-72.26	-0.03784	PASS
				-10	-76.45	-0.04003	PASS
				0	-76.23	-0.03992	PASS
				10	-74.23	-0.03887	PASS
				20	-73.71	-0.0386	PASS
				30	-79.23	-0.04149	PASS
				40	-84.72	-0.04436	PASS
				50	-78.13	-0.04091	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]	Verdict
WCDMA1900	UMTS/TM1	LCH	TN	VL	-6.13	-0.00331	PASS
				VN	0.99	0.00053	PASS
				VH	-1.31	-0.00071	PASS
		MCH	TN	VL	3.2	0.0017	PASS
				VN	6.45	0.00343	PASS
				VH	-1.6	-0.00085	PASS
		HCH	TN	VL	-7.9	-0.00414	PASS
				VN	-0.21	-0.00011	PASS
				VH	0.41	0.00021	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	4.24	0.00248	PASS
				VN	3.51	0.00205	PASS
				VH	0.09	0.00005	PASS
		MCH	TN	VL	-1.34	-0.00077	PASS
				VN	2.53	0.00146	PASS
				VH	2.04	0.00118	PASS
		HCH	TN	VL	7.89	0.0045	PASS
				VN	3.78	0.00216	PASS
				VH	3.62	0.00207	PASS
WCDMA850	UMTS/TM1	LCH	TN	VL	-6.81	-0.00824	PASS
				VN	-0.4	-0.00048	PASS
				VH	2.33	0.00282	PASS
		MCH	TN	VL	5.89	0.00704	PASS
				VN	3.94	0.00471	PASS
				VH	-4.49	-0.00537	PASS
		HCH	TN	VL	4.03	0.00476	PASS
				VN	5.81	0.00686	PASS
				VH	1.17	0.00138	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]	Verdict
WCDMA1900	UMTS/TM1	LCH	VN	-30	-6.04	-0.00326	PASS
				-20	-0.2	-0.00011	PASS
				-10	-1.37	-0.00074	PASS
				0	13.2	0.00713	PASS
				10	1.77	0.00096	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				20	-1.17	-0.00063	PASS
				30	-1.05	-0.00057	PASS
				40	2.4	0.0013	PASS
				50	-2.78	-0.0015	PASS
		MCH	VN	-30	0.93	0.00049	PASS
				-20	-4.94	-0.00263	PASS
				-10	-0.14	-0.00007	PASS
				0	3.3	0.00176	PASS
				10	-4.84	-0.00257	PASS
				20	-1.83	-0.00097	PASS
				30	-3.46	-0.00184	PASS
				40	-5.08	-0.0027	PASS
				50	-3.33	-0.00177	PASS
		HCH	VN	-30	-6.32	-0.00331	PASS
				-20	-1.74	-0.00091	PASS
				-10	-6.1	-0.0032	PASS
				0	-2.44	-0.00128	PASS
				10	-1.71	-0.0009	PASS
				20	10.15	0.00532	PASS
				30	1.19	0.00062	PASS
				40	-5.04	-0.00264	PASS
				50	-4.73	-0.00248	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	2.72	0.00159	PASS
				-20	3.14	0.00183	PASS
				-10	1.17	0.00068	PASS
				0	-4.52	-0.00264	PASS
				10	1.77	0.00103	PASS
				20	1.43	0.00084	PASS
				30	-3.51	-0.00205	PASS
				40	-1.04	-0.00061	PASS
				50	-4.65	-0.00272	PASS
		MCH	VN	-30	1.86	0.00107	PASS
				-20	1.02	0.00059	PASS
				-10	5.97	0.00345	PASS
				0	-0.64	-0.00037	PASS
				10	0.09	0.00005	PASS
				20	1.8	0.00104	PASS
				30	-1.1	-0.00063	PASS
				40	6.52	0.00376	PASS
				50	1.25	0.00072	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	0.34	0.00019	PASS
				-20	1.83	0.00104	PASS
				-10	2.96	0.00169	PASS
				0	-1.75	-0.001	PASS
				10	-0.29	-0.00017	PASS
				20	-2.85	-0.00163	PASS
				30	2.9	0.00165	PASS
				40	3.88	0.00221	PASS
				50	2.18	0.00124	PASS
WCDMA850	UMTS/TM1	LCH	VN	-30	-4.36	-0.00528	PASS
				-20	-0.14	-0.00017	PASS
				-10	0.35	0.00042	PASS
				0	1.33	0.00161	PASS
				10	-1.75	-0.00212	PASS
				20	1.01	0.00122	PASS
				30	-0.34	-0.00041	PASS
				40	-0.37	-0.00045	PASS
				50	-0.15	-0.00018	PASS
		MCH	VN	-30	4.01	0.00479	PASS
				-20	7.34	0.00878	PASS
				-10	-2.76	-0.0033	PASS
				0	1.5	0.00179	PASS
				10	0.92	0.0011	PASS
				20	0.53	0.00063	PASS
				30	-0.9	-0.00108	PASS
				40	-2.62	-0.00313	PASS
				50	0.52	0.00062	PASS
		HCH	VN	-30	4.43	0.00523	PASS
				-20	-1.94	-0.00229	PASS
				-10	-1.6	-0.00189	PASS
				0	5	0.00591	PASS
				10	3.65	0.00431	PASS
				20	1.5	0.00177	PASS
				30	-0.87	-0.00103	PASS
				40	-3.51	-0.00415	PASS
				50	1.21	0.00143	PASS

END