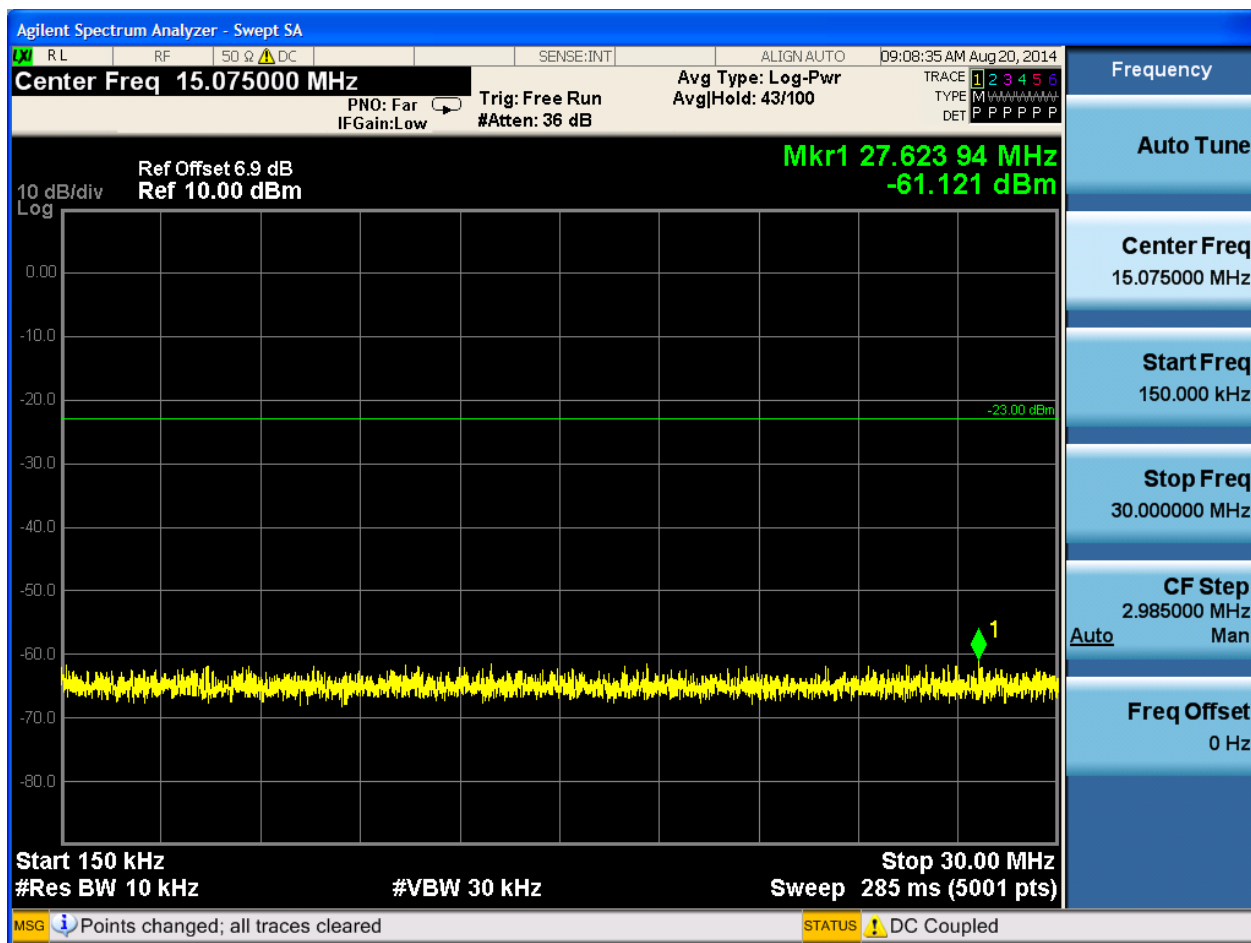
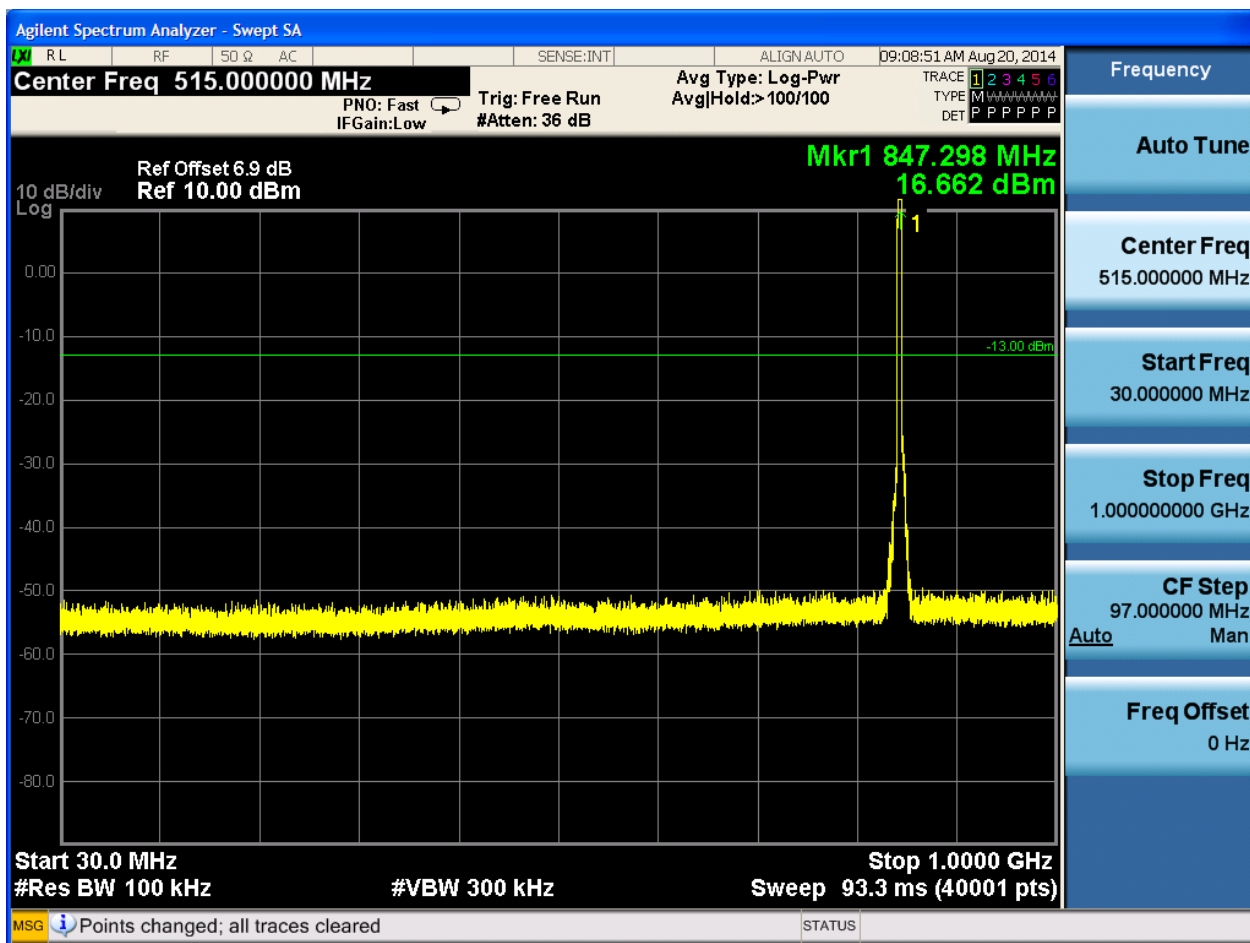
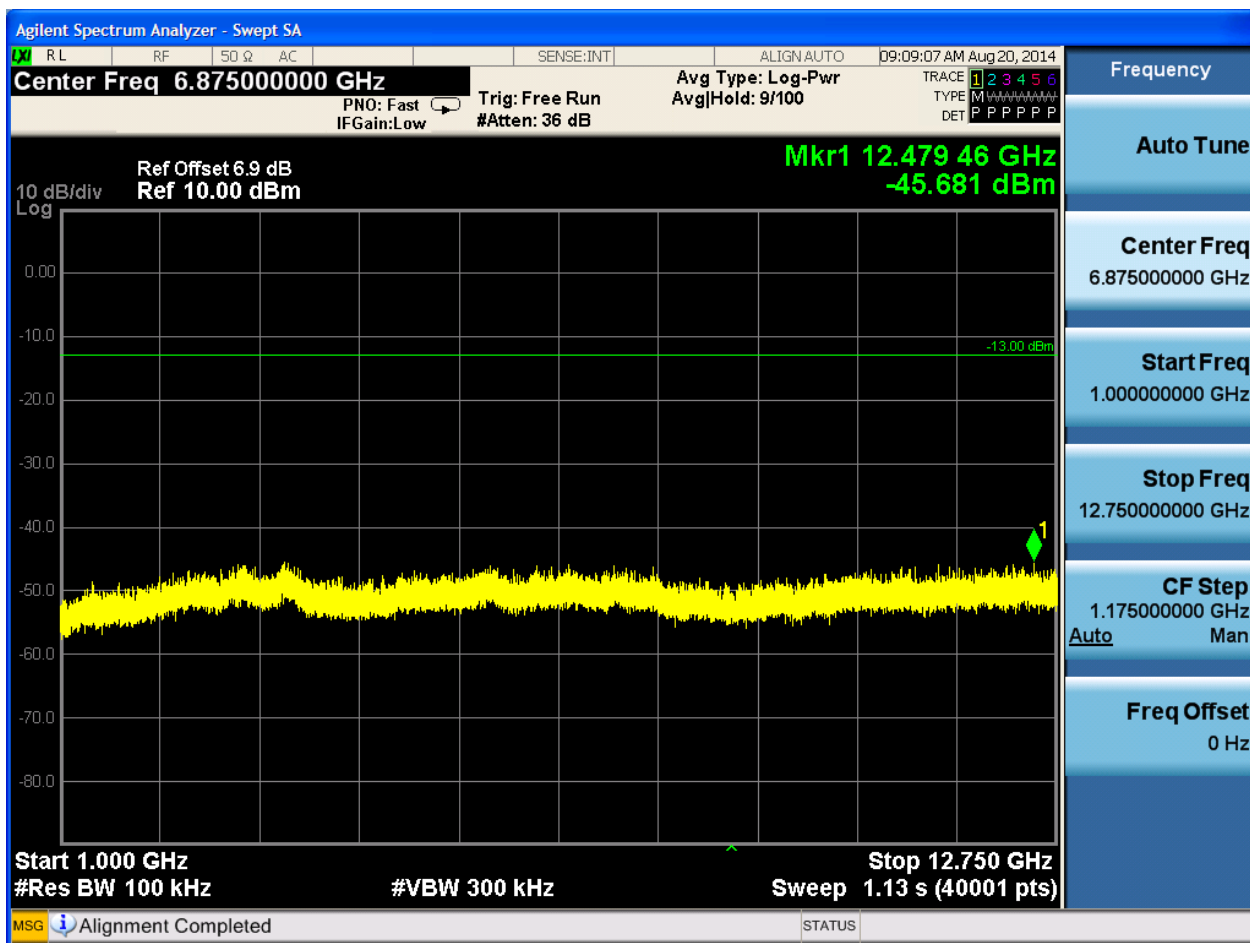






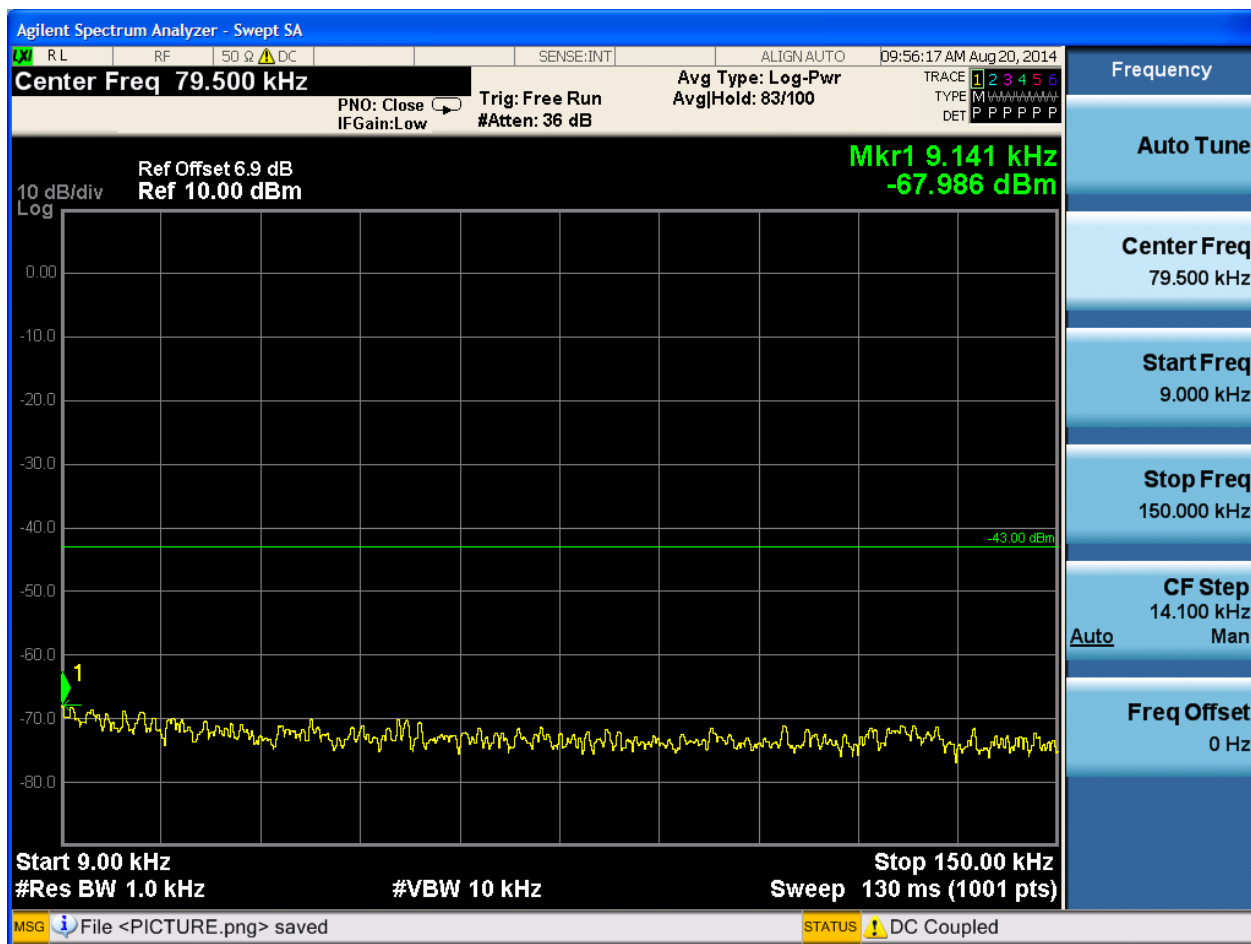


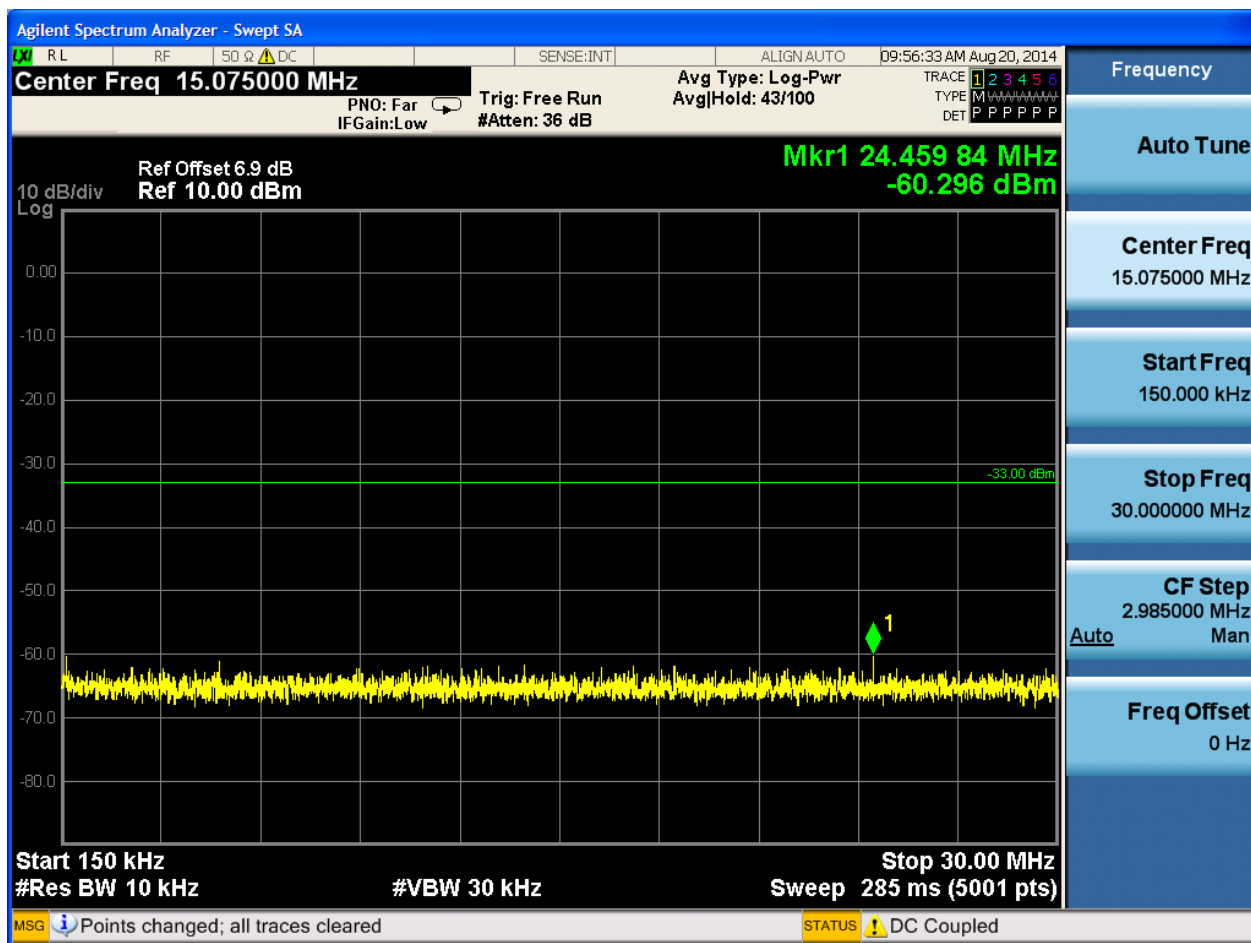


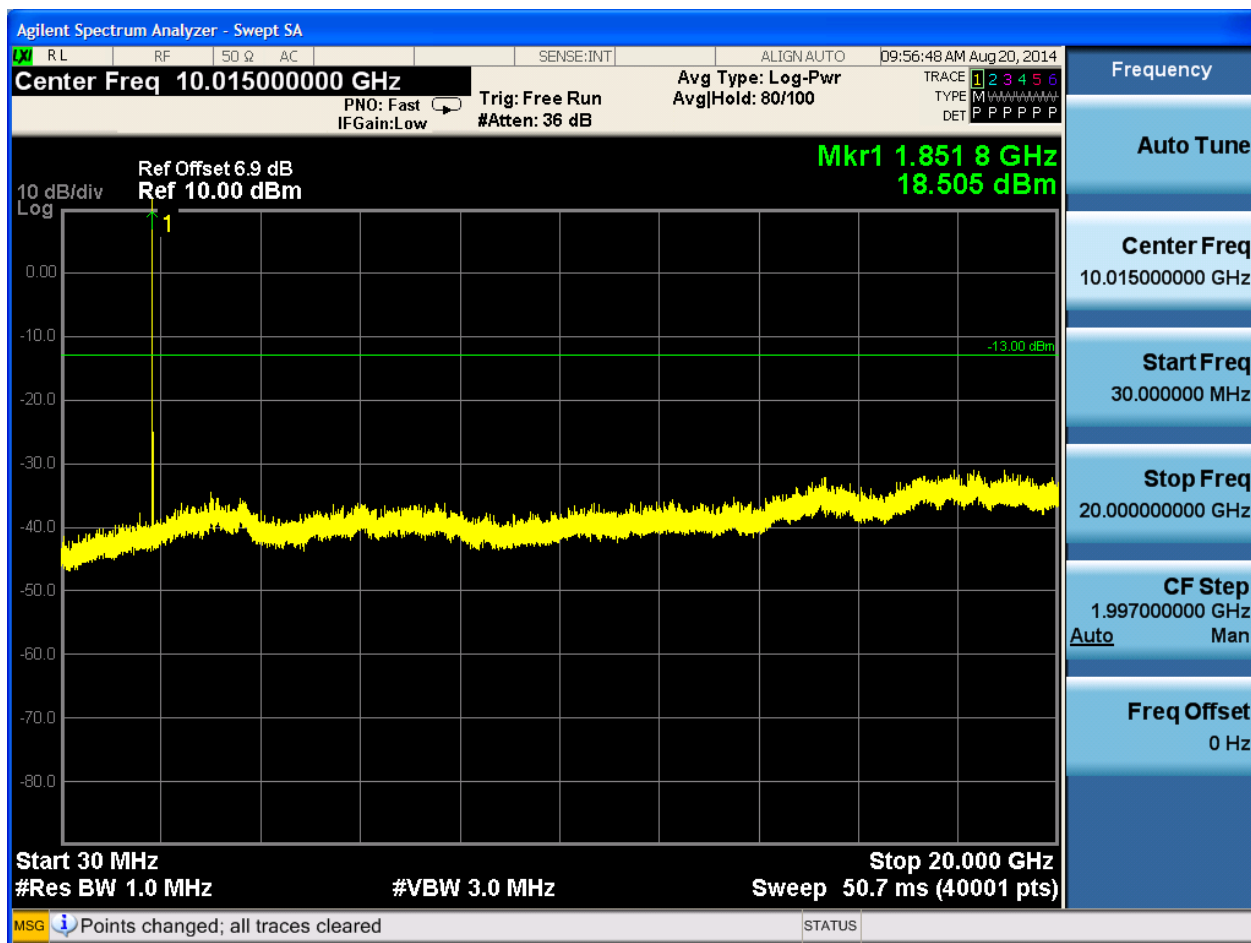
6.2.1 Test Band = WCDMA1900

6.2.1.1 Test Mode = UMTS/TM1

6.2.1.1.1 Test Channel = LCH

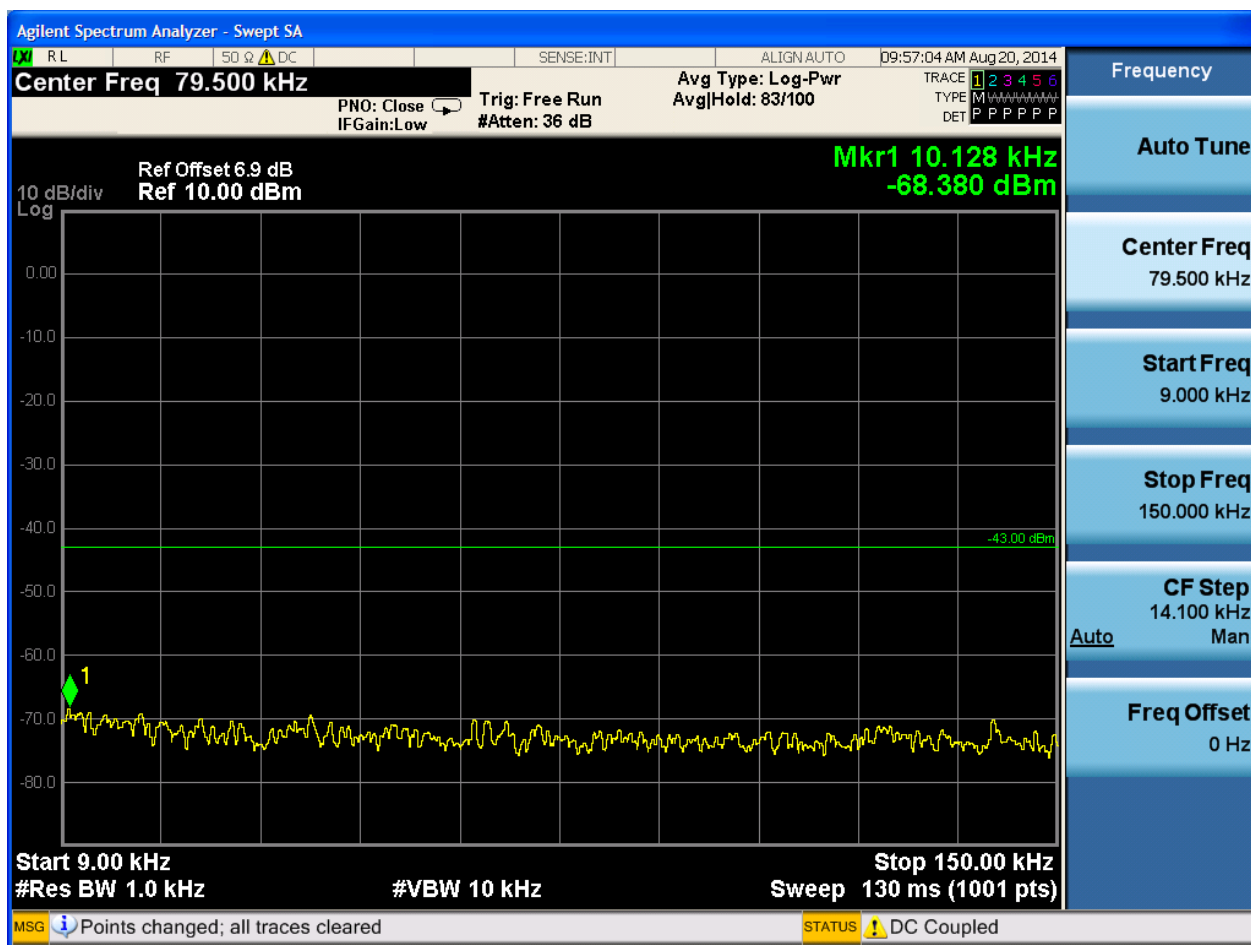


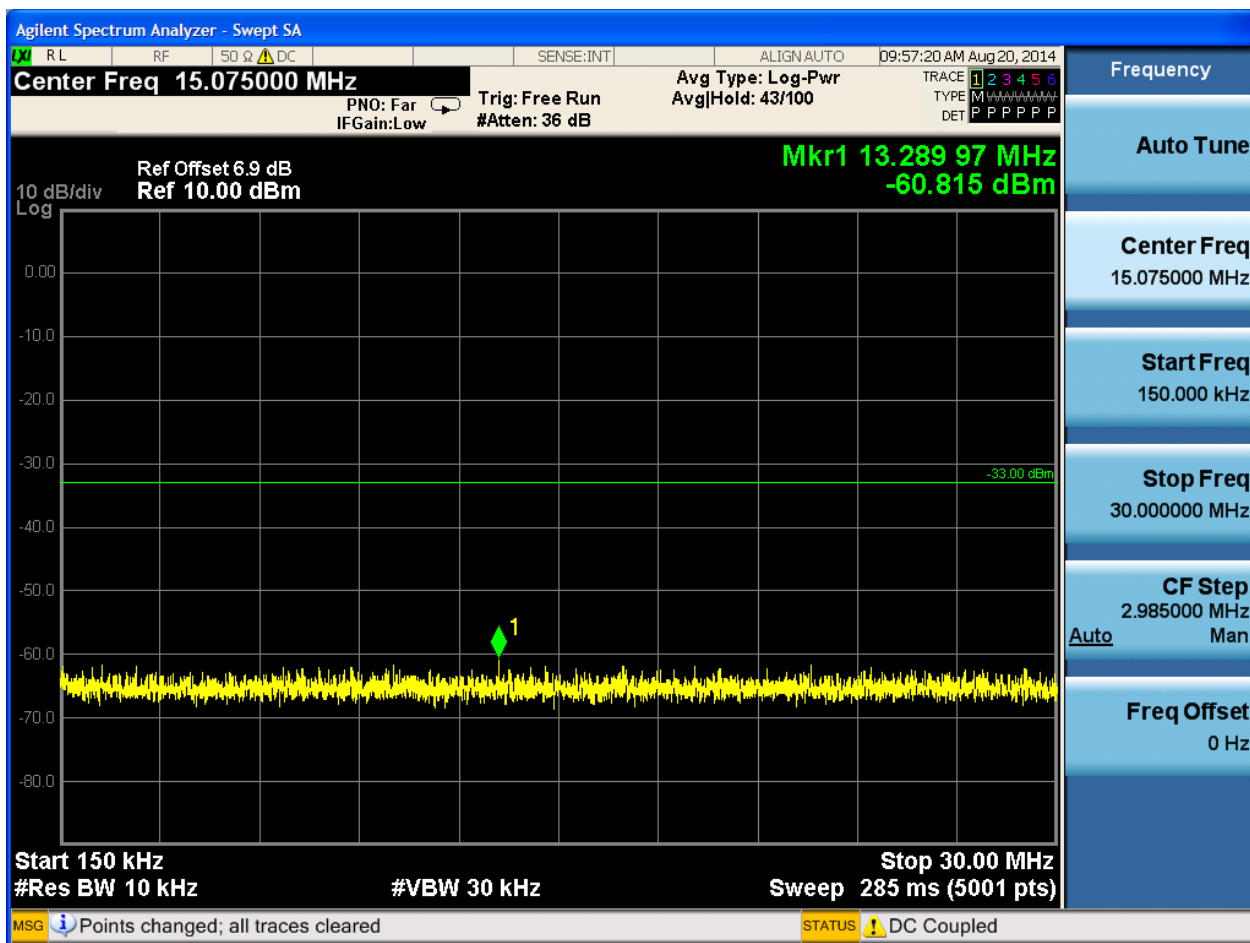




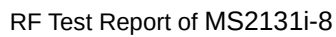


6.1.1.1.2 Test Channel = MCH









Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN: AUTO 09:57:51 AM Aug 20, 2014

Center Freq 79.500 kHz Avg Type: Log-Pwr Avg|Hold: 83/100

PNO: Close Trig: Free Run #Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M M M M M M M M
DET P P P P P P P

Ref Offset 6.9 dB
Ref 10.00 dBm

10 dB/div
Log

Mkr1 14.499 kHz
-67.791 dBm

-43.00 dBm

Start 9.00 kHz
#Res BW 1.0 kHz

Stop 150.00 kHz
Sweep 130 ms (1001 pts)

#VBW 10 kHz

MSG Points changed; all traces cleared

STATUS DC Coupled

Frequency

Auto Tune

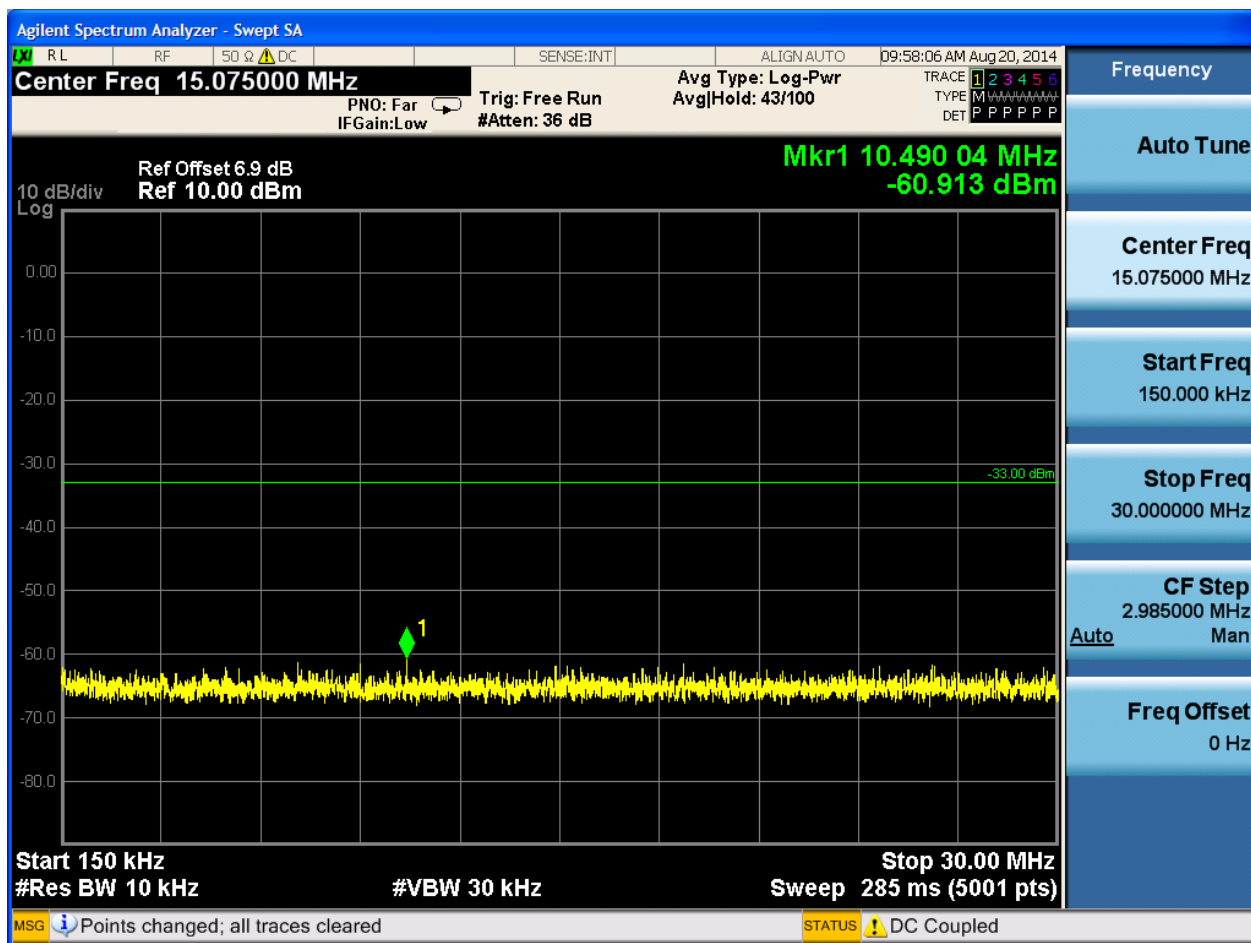
Center Freq 79.500 kHz

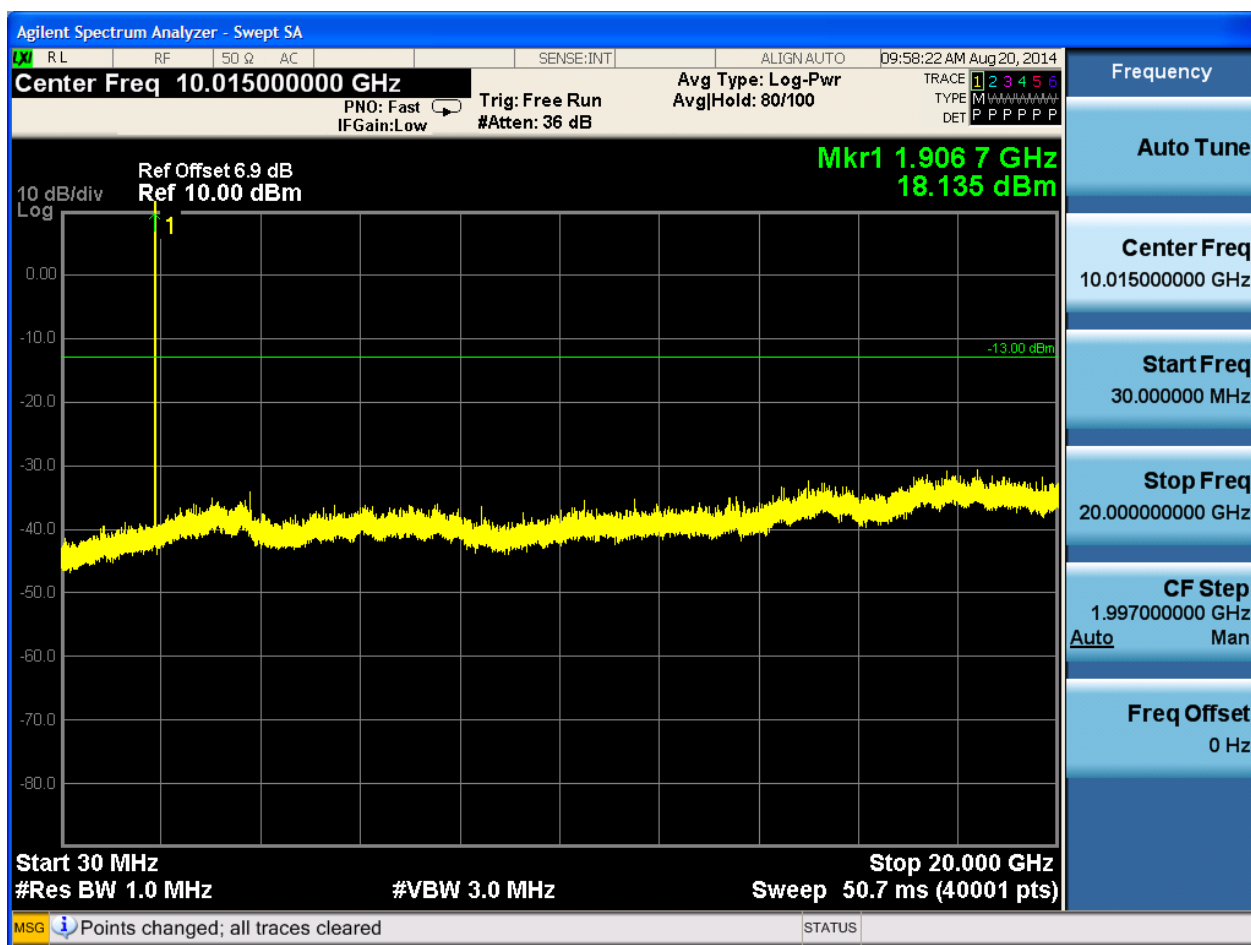
Start Freq 9.000 kHz

Stop Freq 150.000 kHz

CF Step 14.100 kHz
Man

Freq Offset 0 Hz





7Appendix_G: Field Strength of Spurious Radiation

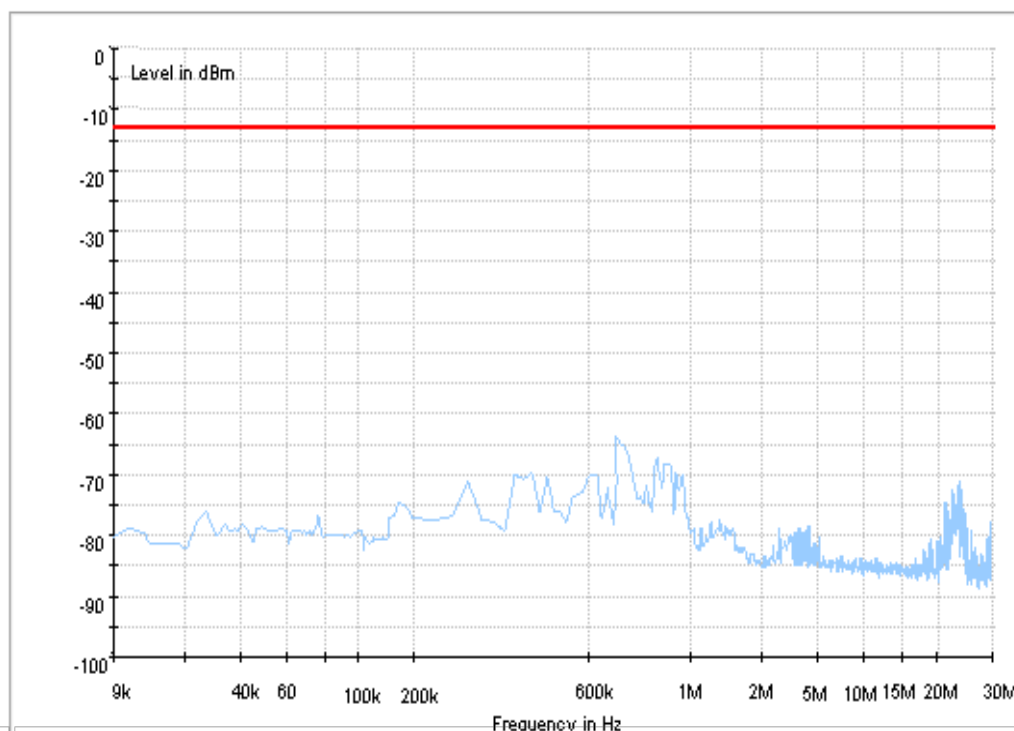
Note:

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

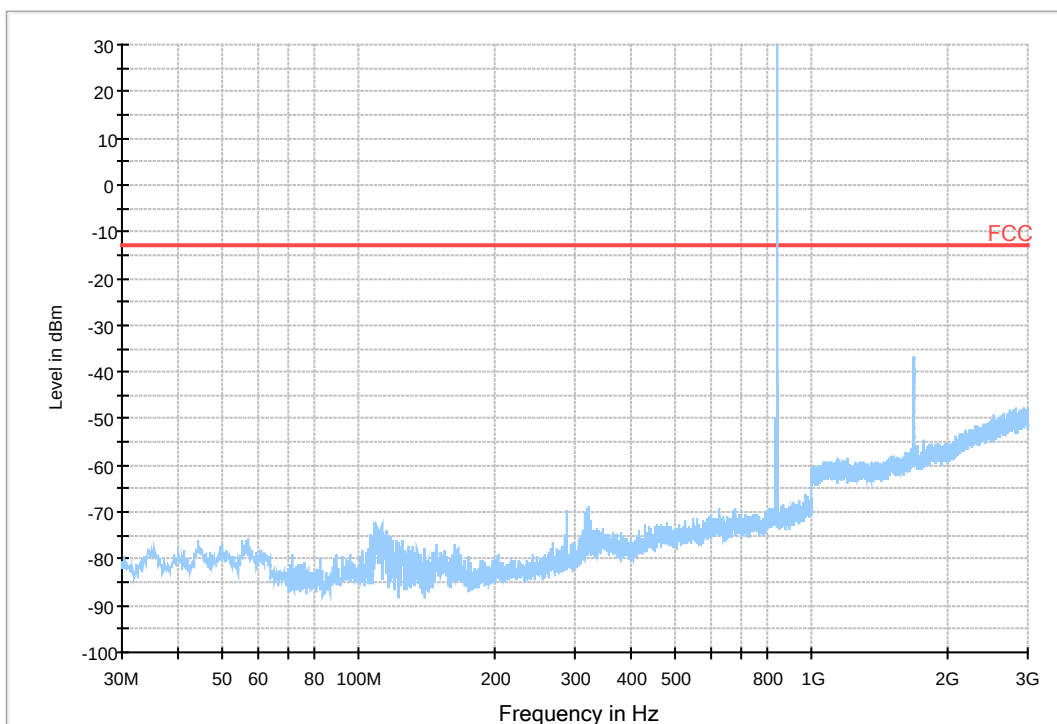
150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

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

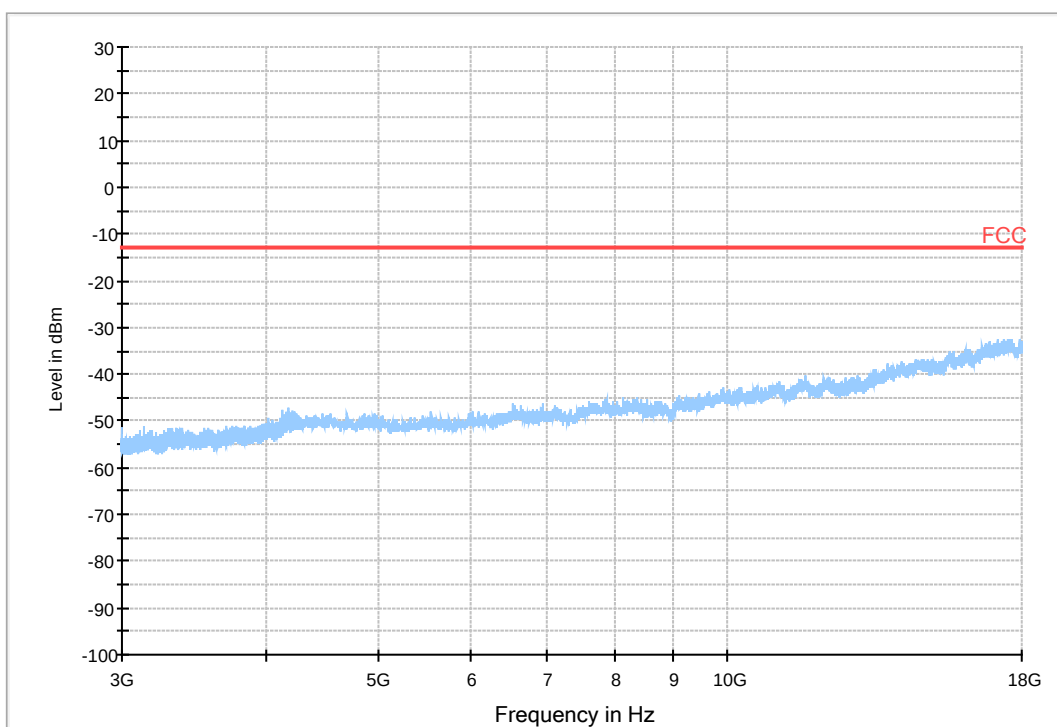
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots**7.1 For GSM****7.1.1 Test Band = GSM850****7.1.1.1 Test Mode = GSM/TM1**

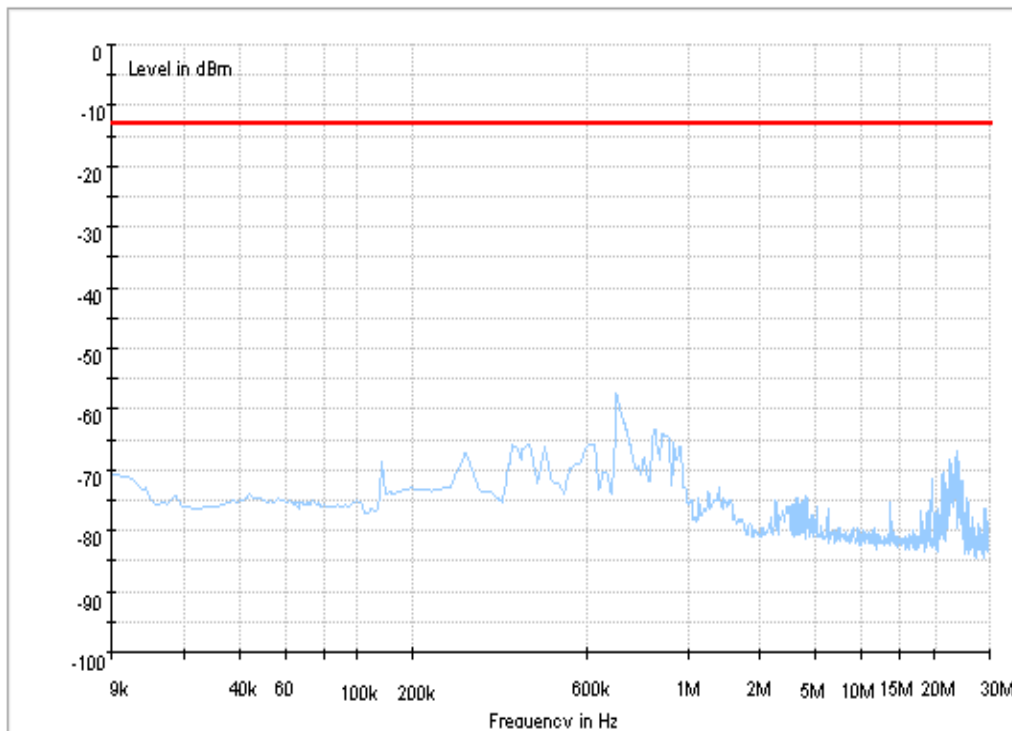
Copy of FCC PART22 GSM850_L



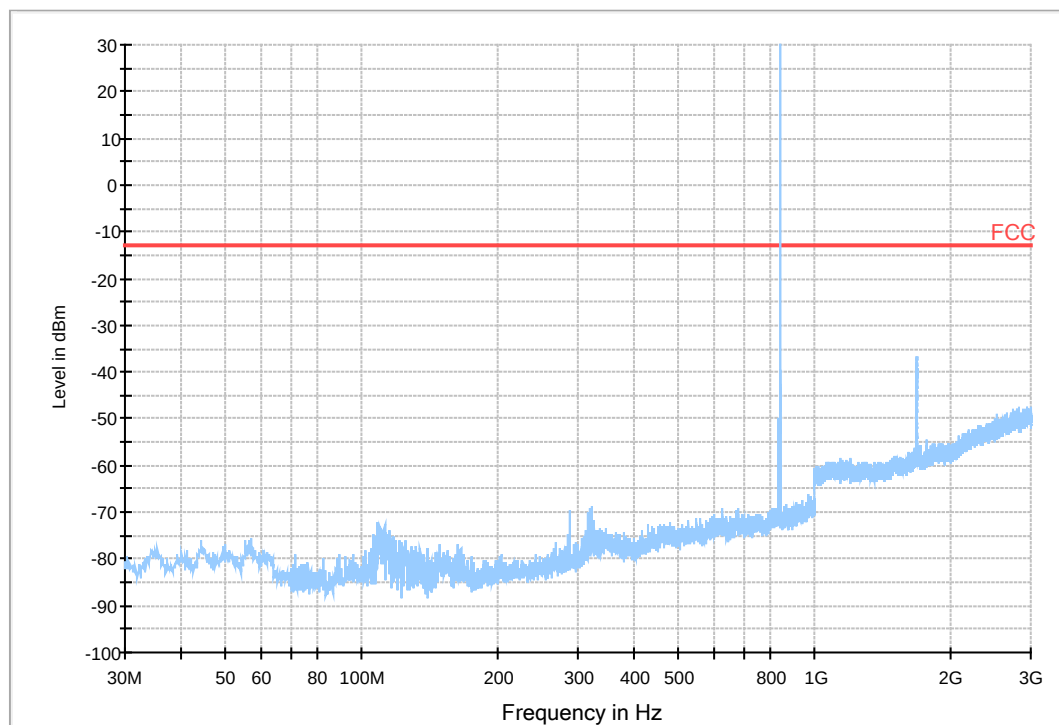
Copy of FCC PART22 GSM850_H



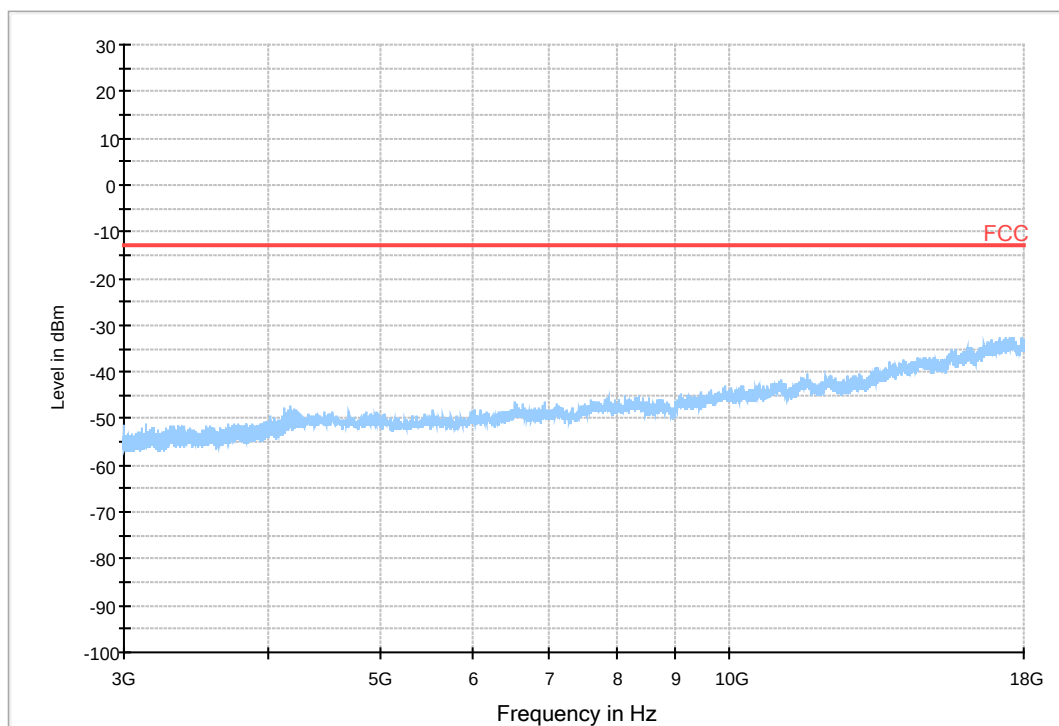
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

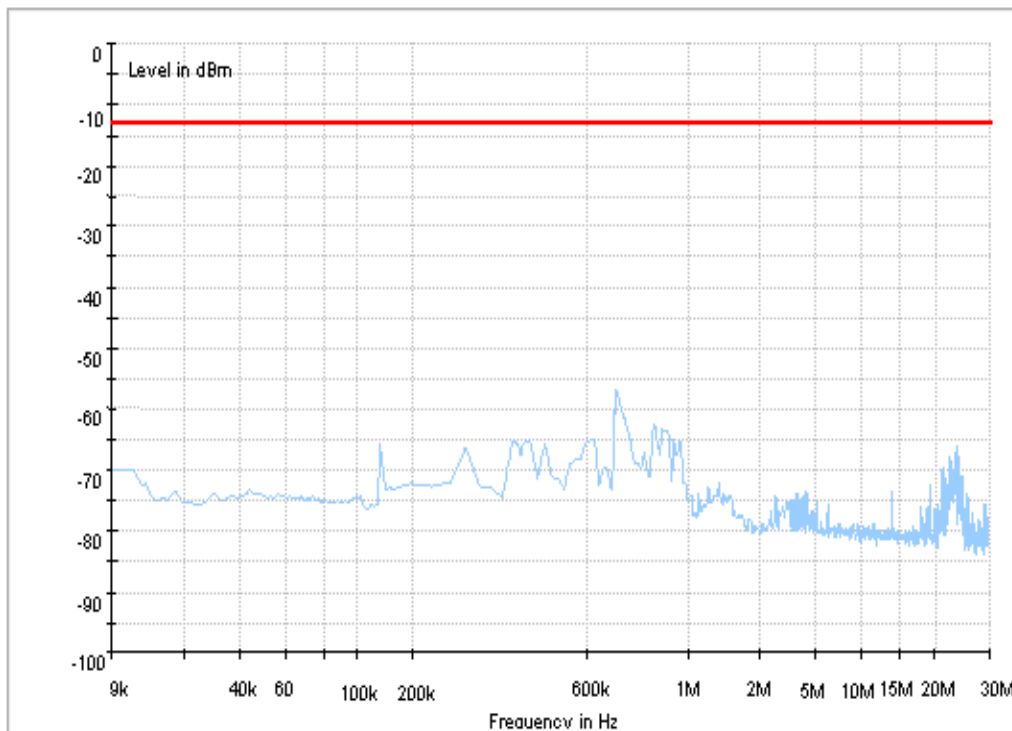


Copy of FCC PART22 GSM850_H

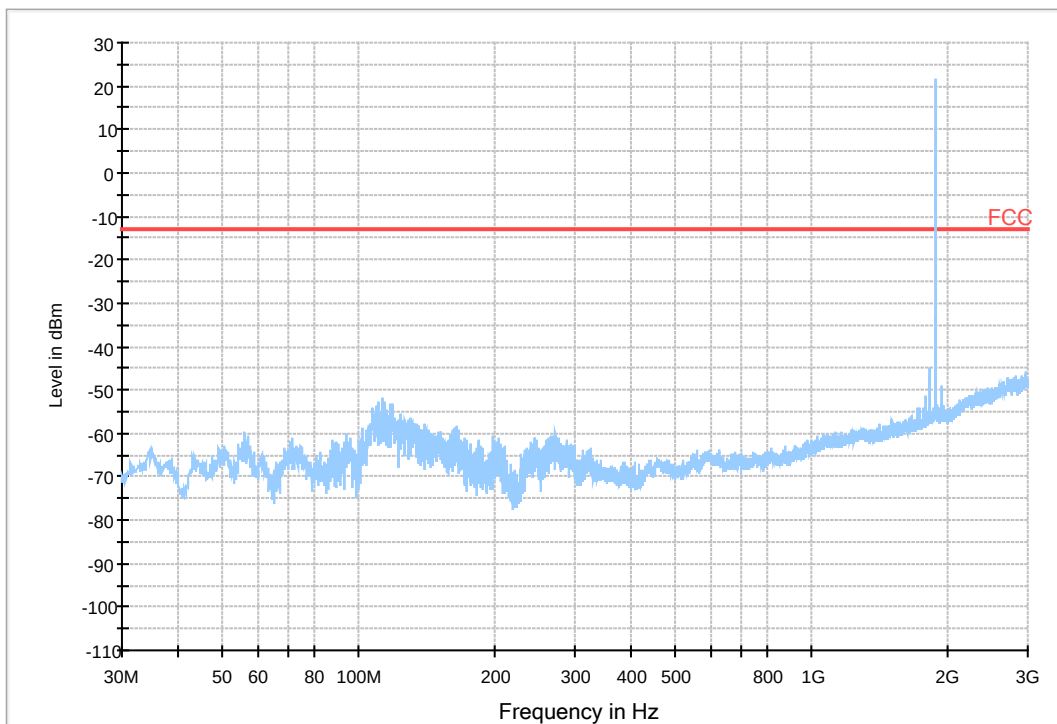


7.1.2 Test Band = GSM1900

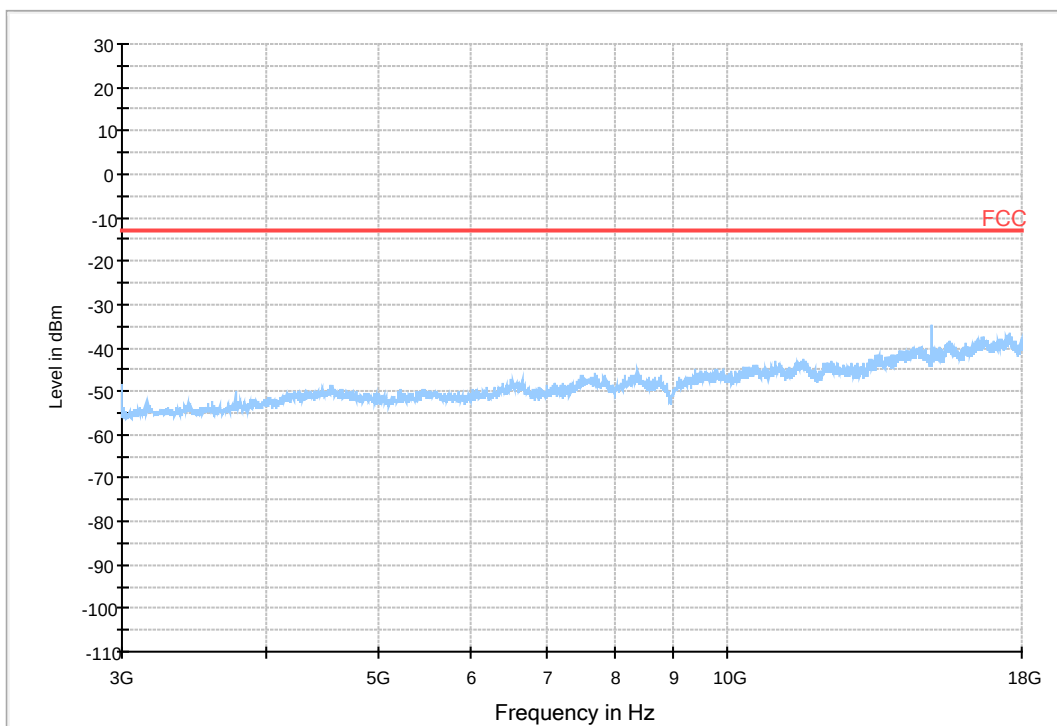
7.1.2.1 Test Mode = GSM/TM1

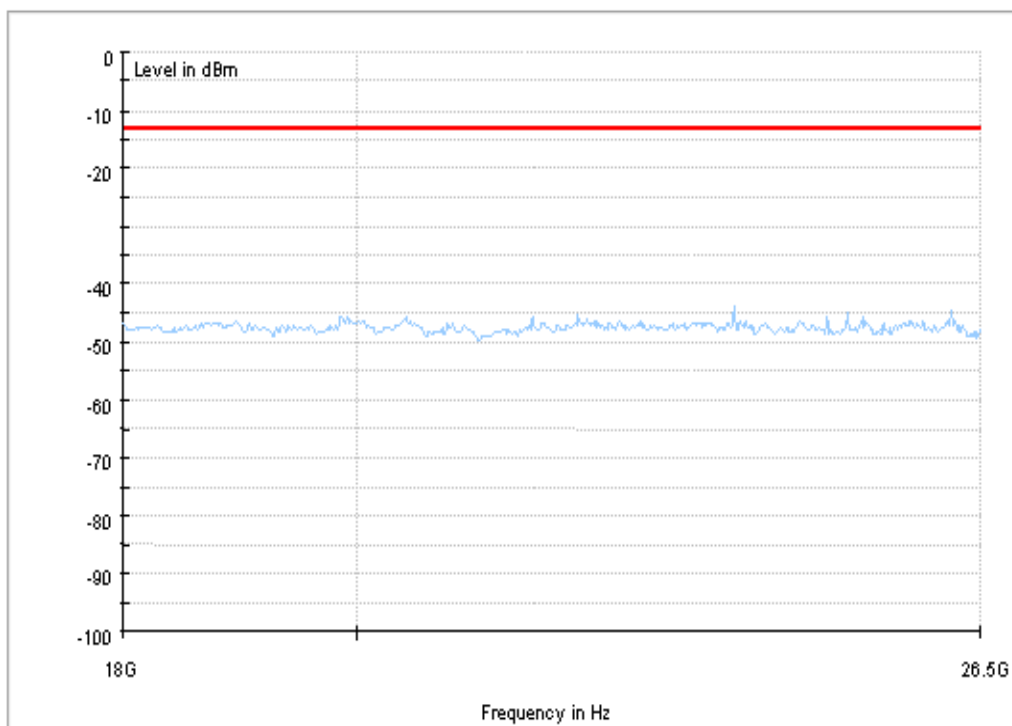


Copy of FCC PART24 GSM1900_L

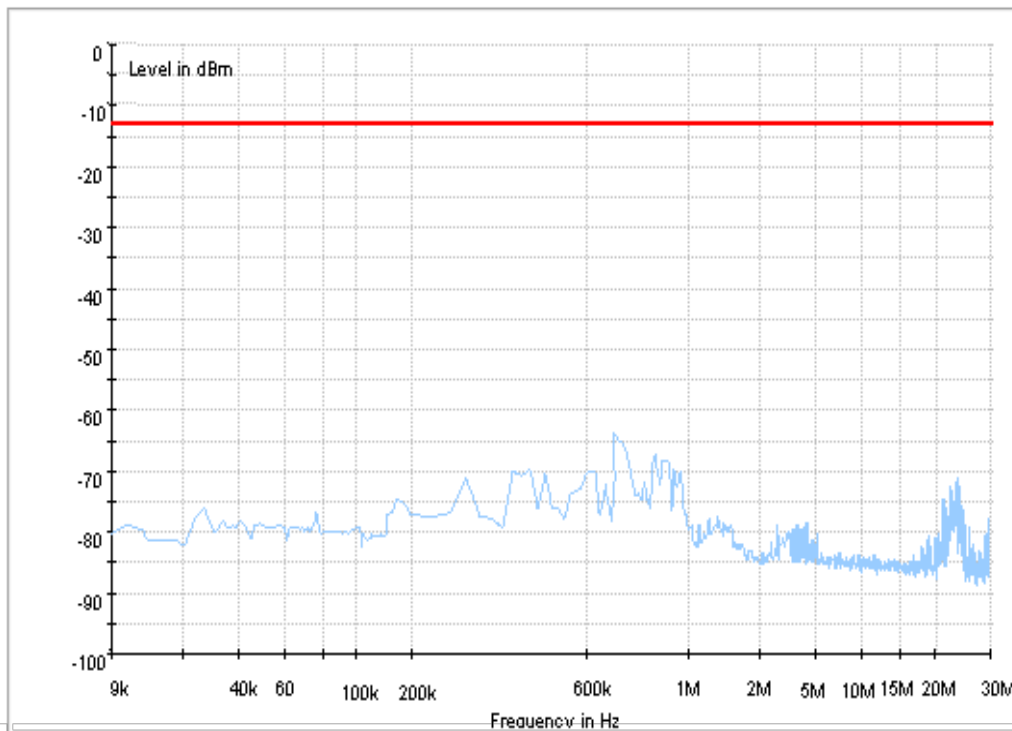


Copy of FCC PART24 GSM1900_H

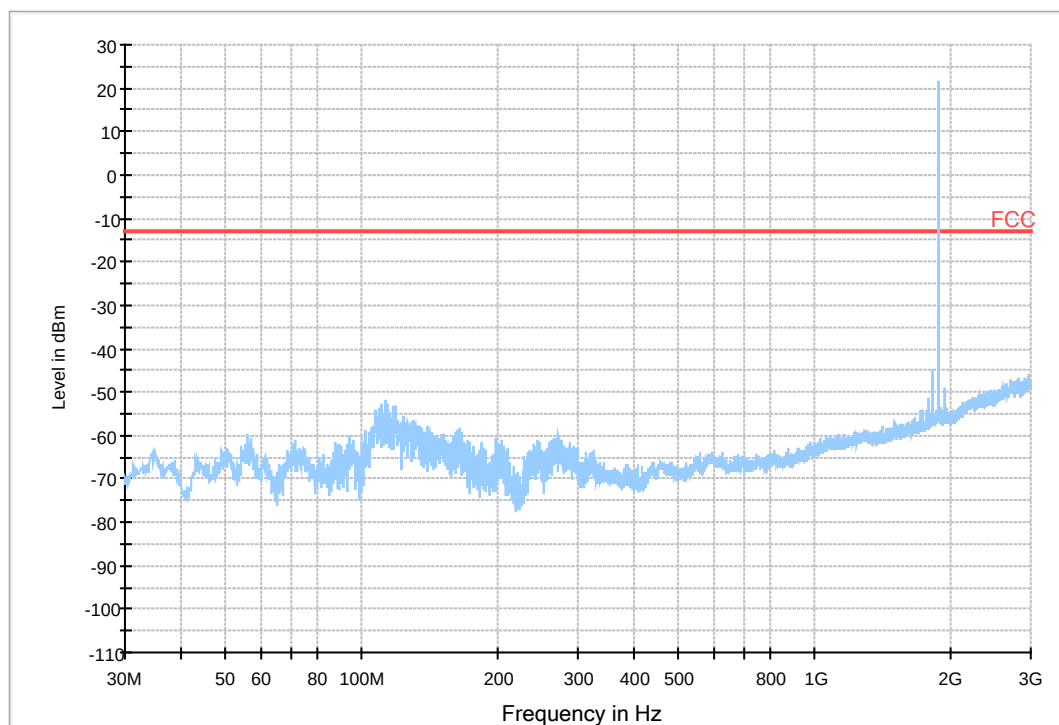




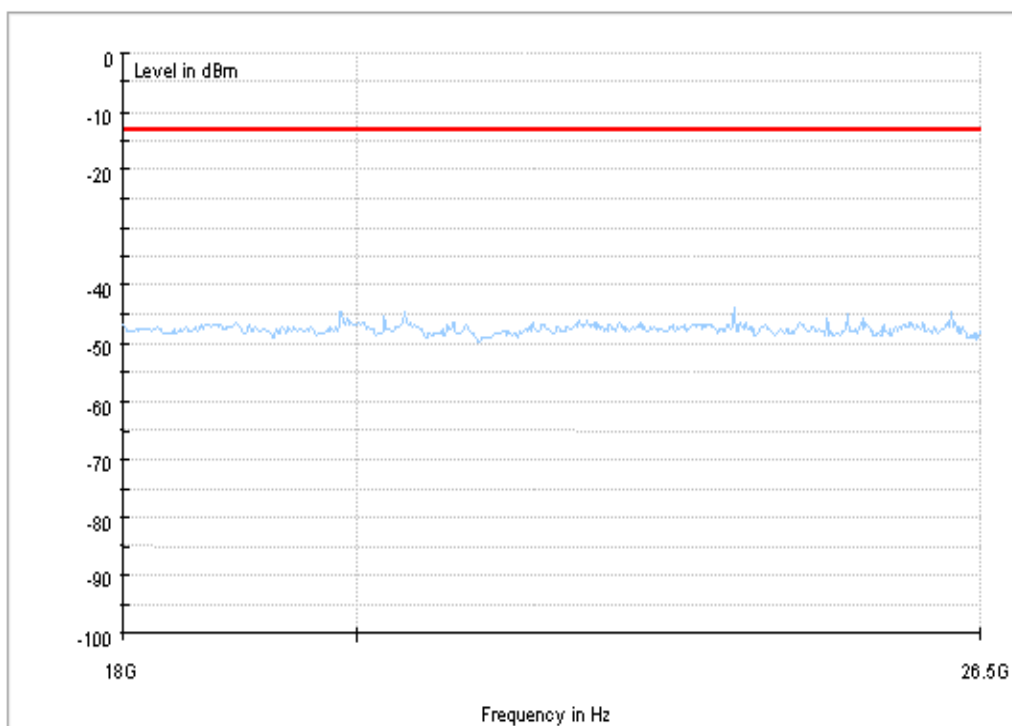
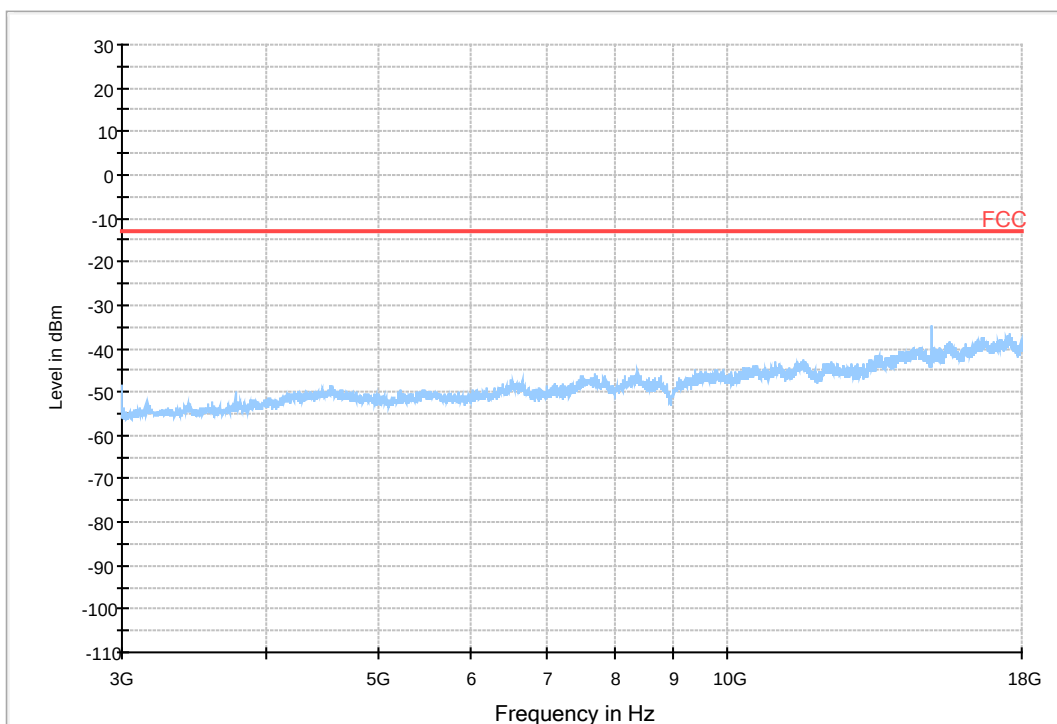
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART24 GSM1900_L



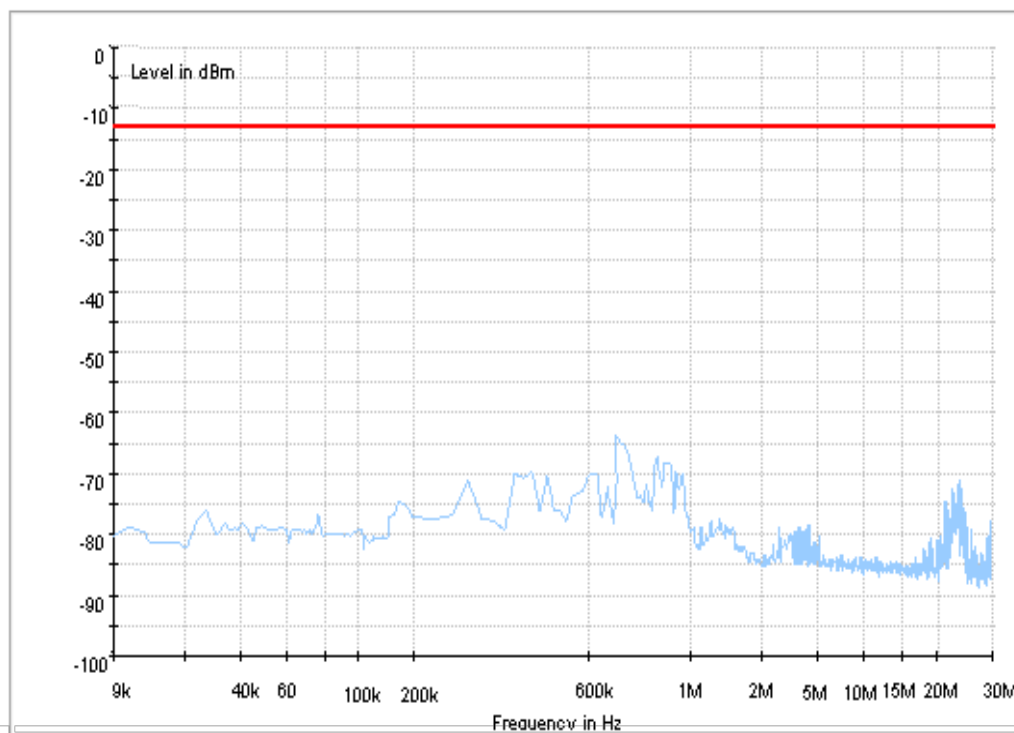
Copy of FCC PART24 GSM1900_H



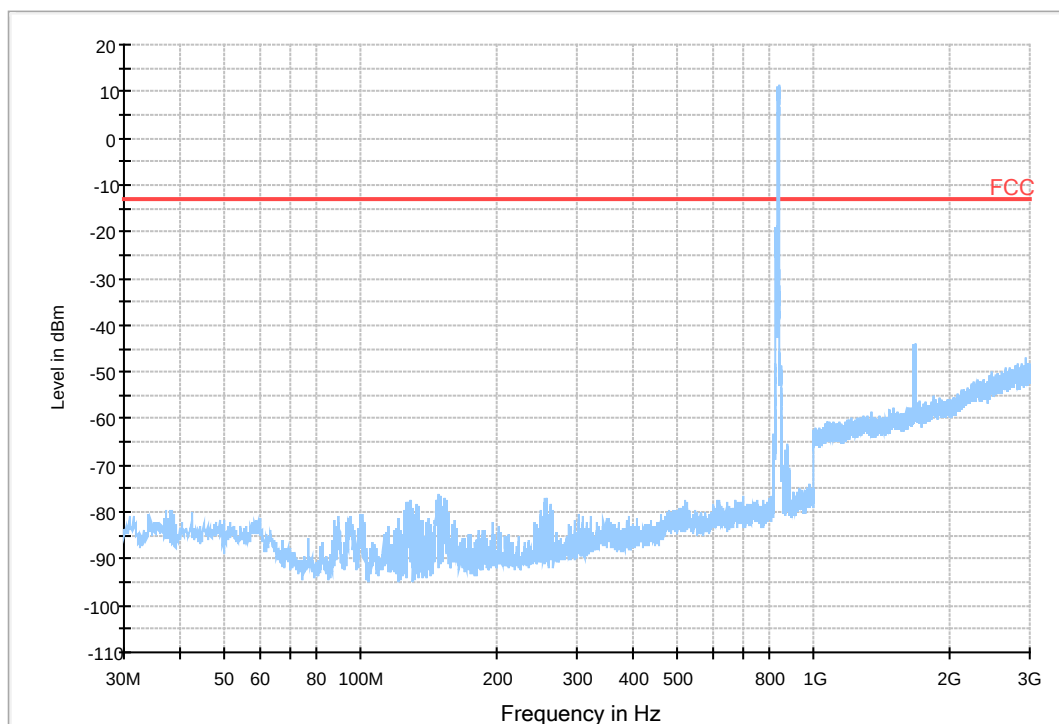
7.2 For UMTS

7.2.1 Test Band = WCDMA850

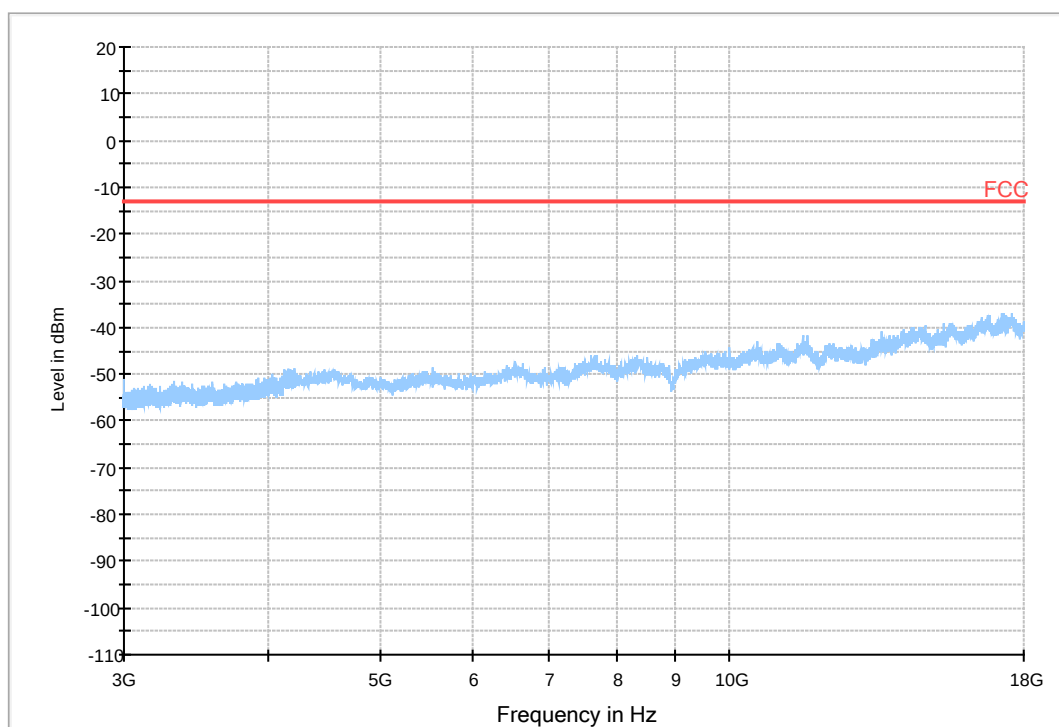
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

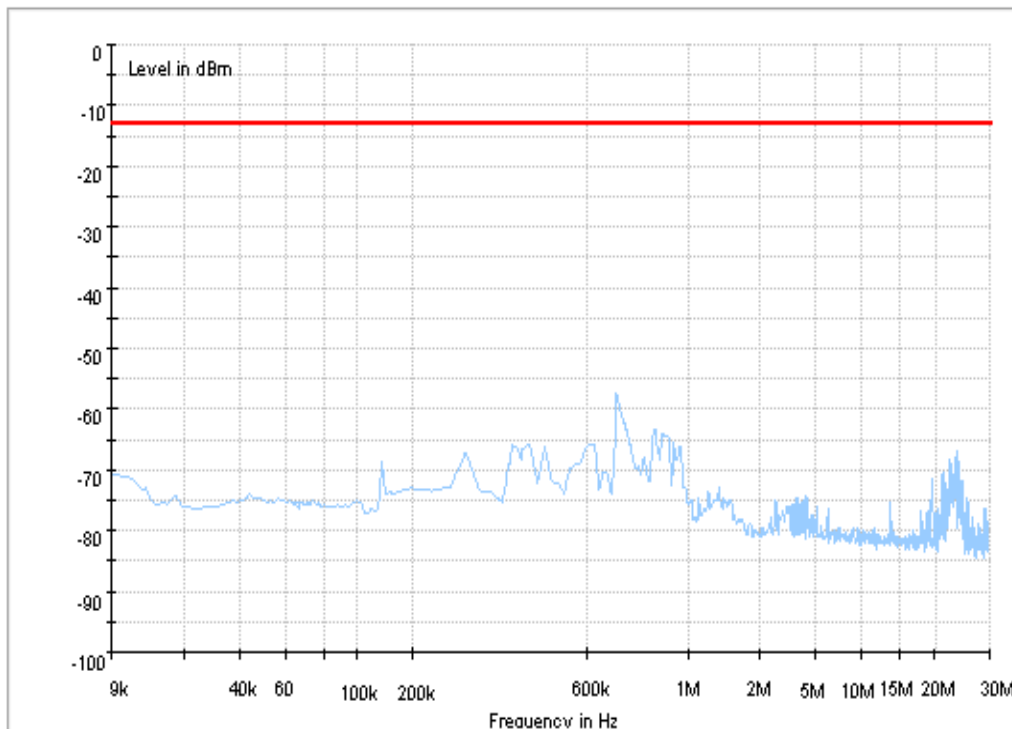


Copy of FCC PART22 WCDMA850_H

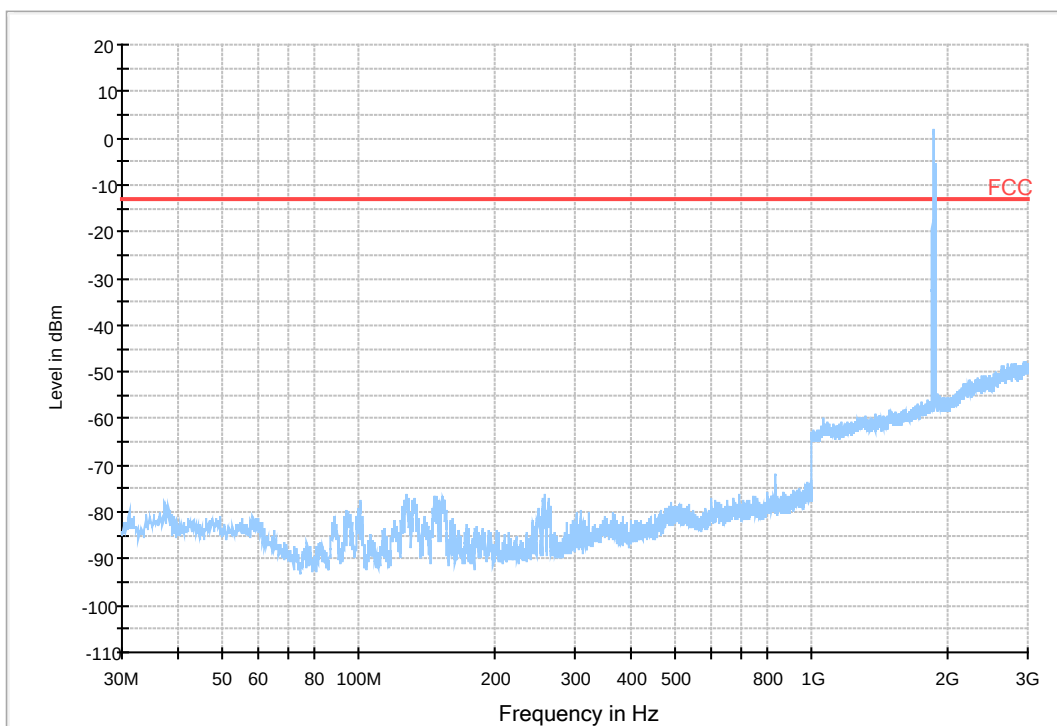


7.2.1 Test Band = WCDMA1900

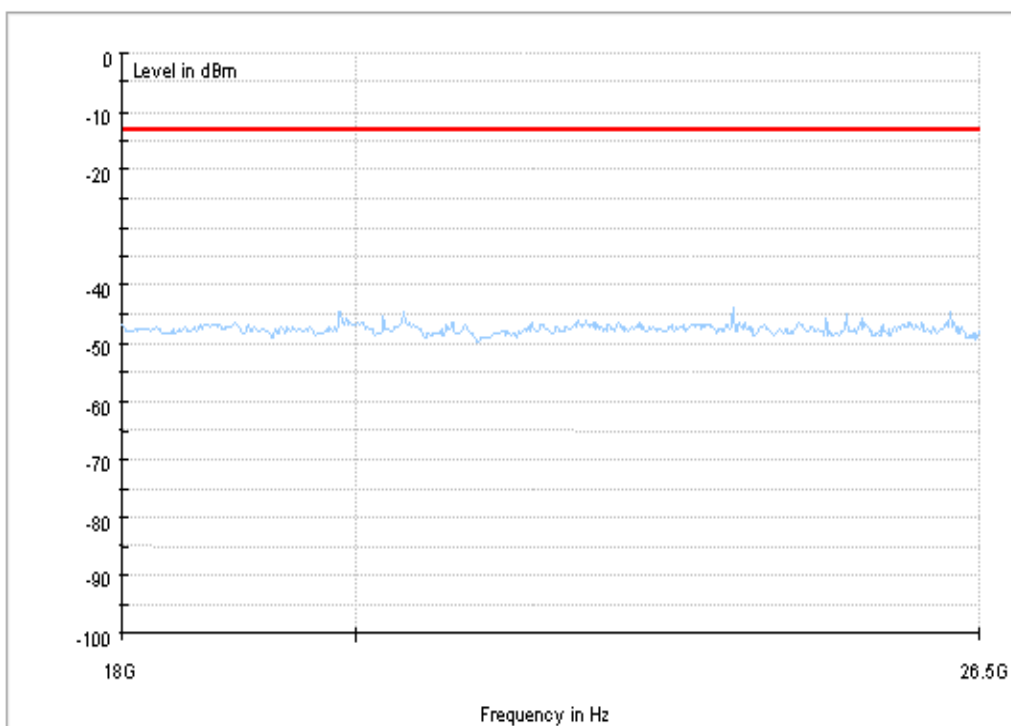
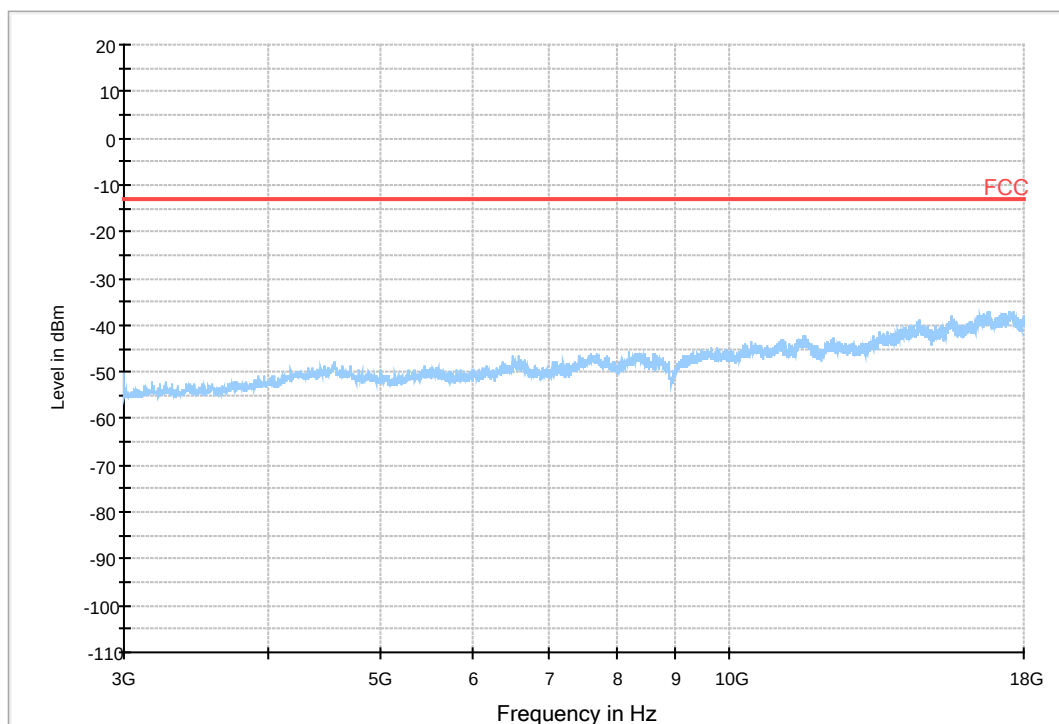
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900_L



Copy of FCC PART24 WCDMA1900_H



4Appendix_H: Frequency Stability

4.1 For GSM

4.1.1Frequency 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	35.13	0.04262	PASS
				VN	-35.06	-0.04254	PASS
				VH	-65.54	-0.07952	PASS
		MCH	TN	VL	-60.18	-0.07193	PASS
				VN	-37.58	-0.04492	PASS
				VH	-27.44	-0.0328	PASS
		HCH	TN	VL	-55.34	-0.0652	PASS
				VN	-38.61	-0.04549	PASS
				VH	-23.76	-0.02799	PASS
	GSM/TM2	LCH	TN	VL	5.29	0.00642	PASS
				VN	-37.55	-0.04556	PASS
				VH	-62.73	-0.07611	PASS
		MCH	TN	VL	-63.22	-0.07557	PASS
				VN	-46.46	-0.05553	PASS
				VH	-35.55	-0.04249	PASS
		HCH	TN	VL	-54.43	-0.06413	PASS
				VN	-44.97	-0.05298	PASS
				VH	-35.77	-0.04214	PASS
GSM1900	GSM/TM1	LCH	TN	VL	-0.65	-0.00035	PASS
				VN	-81.94	-0.04429	PASS
				VH	-57.28	-0.03096	PASS
		MCH	TN	VL	-70.19	-0.03734	PASS
				VN	-60.37	-0.03211	PASS
				VH	-55.60	-0.02957	PASS
		HCH	TN	VL	-72.13	-0.03777	PASS
				VN	-64.18	-0.03361	PASS
				VH	-62.05	-0.03249	PASS
	GSM/TM2	LCH	TN	VL	41.65	0.02251	PASS
				VN	-63.44	-0.03429	PASS
				VH	-69.16	-0.03738	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	-88.08	-0.04685	PASS
				VN	-61.73	-0.03284	PASS
				VH	-57.60	-0.03064	PASS
		HCH	TN	VL	-78.49	-0.0411	PASS
				VN	-59.24	-0.03102	PASS
				VH	-60.79	-0.03183	PASS

4.1.2 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	-51.72	-0.06275	PASS
				-20	-29.83	-0.03619	PASS
				-10	-28.28	-0.03431	PASS
				0	-32.35	-0.03925	PASS
				10	-35.77	-0.0434	PASS
				20	-34.35	-0.04168	PASS
				30	-32.87	-0.03988	PASS
				40	-34.09	-0.04136	PASS
				50	-37.13	-0.04505	PASS
		MCH	VN	-30	-45.14	-0.05396	PASS
				-20	-33.45	-0.03998	PASS
				-10	-26.80	-0.03203	PASS
				0	-32.22	-0.03851	PASS
				10	-32.09	-0.03836	PASS
				20	-31.32	-0.03744	PASS
				30	-30.80	-0.03682	PASS
				40	-33.38	-0.0399	PASS
				50	-30.80	-0.03682	PASS
		HCH	VN	-30	-44.36	-0.05226	PASS
				-20	-28.35	-0.0334	PASS
				-10	-24.99	-0.02944	PASS
				0	-30.87	-0.03637	PASS
				10	-33.00	-0.03888	PASS
				20	-36.87	-0.04344	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	-33.32	-0.03926	PASS
				40	-32.22	-0.03796	PASS
				50	-33.25	-0.03917	PASS
GSM850	GSM/TM2	LCH	VN	-30	-54.47	-0.06609	PASS
				-20	-36.64	-0.04446	PASS
				-10	-36.22	-0.04395	PASS
				0	-45.98	-0.05579	PASS
				10	-40.39	-0.04901	PASS
				20	-38.84	-0.04712	PASS
				30	-44.65	-0.05417	PASS
				40	-45.46	-0.05516	PASS
				50	-45.85	-0.05563	PASS
		MCH	VN	-30	-50.88	-0.06082	PASS
				-20	-42.13	-0.05036	PASS
				-10	-39.55	-0.04727	PASS
				0	-40.78	-0.04874	PASS
				10	-36.84	-0.04404	PASS
				20	-35.00	-0.04184	PASS
				30	-44.91	-0.05368	PASS
				40	-36.77	-0.04395	PASS
				50	-36.81	-0.044	PASS
		HCH	VN	-30	-51.69	-0.0609	PASS
				-20	-39.58	-0.04663	PASS
				-10	-28.61	-0.03371	PASS
				0	-38.36	-0.04519	PASS
				10	-36.45	-0.04294	PASS
				20	-35.97	-0.04238	PASS
				30	-44.36	-0.05226	PASS
				40	-32.74	-0.03857	PASS
				50	-31.25	-0.03682	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM1900	GSM/TM1	LCH	VN	-30	-49.27	-0.02663	PASS
				-20	-59.66	-0.03225	PASS
				-10	-56.69	-0.03064	PASS
				0	-54.05	-0.02921	PASS
				10	-67.54	-0.0365	PASS
				20	-47.33	-0.02558	PASS
				30	-50.04	-0.02705	PASS
				40	-53.08	-0.02869	PASS
				50	-58.57	-0.03166	PASS
		MCH	VN	-30	-54.89	-0.0292	PASS
				-20	-54.95	-0.02923	PASS
				-10	-53.59	-0.02851	PASS
				0	-55.02	-0.02927	PASS
				10	-61.60	-0.03277	PASS
				20	-56.50	-0.03005	PASS
				30	-63.60	-0.03383	PASS
				40	-54.56	-0.02902	PASS
				50	-54.76	-0.02913	PASS
		HCH	VN	-30	-66.77	-0.03496	PASS
				-20	-60.37	-0.03161	PASS
				-10	-65.22	-0.03415	PASS
				0	-56.24	-0.02945	PASS
				10	-64.38	-0.03371	PASS
				20	-55.47	-0.02904	PASS
				30	-53.98	-0.02826	PASS
				40	-59.28	-0.03104	PASS
				50	-63.80	-0.03341	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
GSM1900	GSM/TM2	LCH	VN	-30	-71.80	-0.03881	PASS
				-20	-48.69	-0.02632	PASS
				-10	-78.20	-0.04227	PASS
				0	-51.56	-0.02787	PASS
				10	-58.24	-0.03148	PASS
				20	-66.90	-0.03616	PASS
				30	-59.86	-0.03235	PASS
				40	-67.86	-0.03668	PASS
				50	-66.83	-0.03612	PASS
		MCH	VN	-30	-51.50	-0.02739	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-20	-57.57	-0.03062	PASS
				-10	-51.43	-0.02736	PASS
				0	-64.89	-0.03452	PASS
				10	-38.10	-0.02027	PASS
				20	-61.86	-0.0329	PASS
				30	-57.24	-0.03045	PASS
				40	-59.50	-0.03165	PASS
				50	-56.66	-0.03014	PASS
		HCH	VN	-30	-57.21	-0.02996	PASS
				-20	-49.95	-0.02615	PASS
				-10	-59.15	-0.03097	PASS
				0	-55.85	-0.02924	PASS
				10	-61.67	-0.03229	PASS
				20	-64.22	-0.03363	PASS
				30	-66.90	-0.03503	PASS
				40	-72.32	-0.03787	PASS
				50	-80.42	-0.04211	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
WCDMA850	UMTS/TM1	LCH	TN	VL	3.72	0.0045	PASS
				VN	1.95	0.00236	PASS
				VH	0.56	0.00068	PASS
		MCH	TN	VL	-0.89	-0.00106	PASS
				VN	-1.97	-0.00236	PASS
				VH	-2.4	-0.00287	PASS
		HCH	TN	VL	2.53	0.00299	PASS
				VN	-1.53	-0.00181	PASS
				VH	0.87	0.00103	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	11.38	0.00614	PASS
				VN	-11.95	-0.00645	PASS
				VH	1.45	0.00078	PASS
		MCH	TN	VL	0.11	0.00006	PASS
				VN	0.95	0.00051	PASS
				VH	3.74	0.00199	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	TN	VL	-0.2	-0.0001	PASS
				VN	-3.69	-0.00193	PASS
				VH	6.29	0.0033	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
WCDMA850	UMTS/TM1	LCH	VN	-30	1.39	0.00168	PASS
				-20	0.55	0.00067	PASS
				-10	0.06	0.00007	PASS
				0	-2.23	-0.0027	PASS
				10	2.87	0.00347	PASS
				20	1.51	0.00183	PASS
				30	-0.38	-0.00046	PASS
				40	5.45	0.00659	PASS
				50	0.38	0.00046	PASS
		MCH	VN	-30	2.15	0.00257	PASS
				-20	0.5	0.0006	PASS
				-10	-6.07	-0.00726	PASS
				0	-6.42	-0.00768	PASS
				10	2.58	0.00308	PASS
				20	2.98	0.00356	PASS
				30	1.6	0.00191	PASS
				40	3.68	0.0044	PASS
				50	1.98	0.00237	PASS
		HCH	VN	-30	0.15	0.00018	PASS
				-20	-3.05	-0.0036	PASS
				-10	1.4	0.00165	PASS
				0	-1.69	-0.002	PASS
				10	0.93	0.0011	PASS
				20	1.45	0.00171	PASS
				30	3.45	0.00408	PASS
				40	-1.04	-0.00123	PASS
				50	-6.06	-0.00716	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	-0.26	-0.00014	PASS
				-20	0.2	0.00011	PASS
				-10	7.32	0.00395	PASS
				0	6.13	0.00331	PASS
				10	-4.17	-0.00225	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				20	-6.13	-0.00331	PASS
				30	4.33	0.00234	PASS
				40	7.87	0.00425	PASS
				50	-3.33	-0.0018	PASS
		MCH	VN	-30	-3.57	-0.0019	PASS
				-20	-2.67	-0.00142	PASS
				-10	-6.48	-0.00345	PASS
				0	0.81	0.00043	PASS
				10	4.44	0.00236	PASS
				20	1.75	0.00093	PASS
				30	-0.75	-0.0004	PASS
				40	-1.5	-0.0008	PASS
				50	-2.9	-0.00154	PASS
		HCH	VN	-30	1.59	0.00083	PASS
				-20	7.92	0.00415	PASS
				-10	-6.2	-0.00325	PASS
				0	1.07	0.00056	PASS
				10	-3.1	-0.00163	PASS
				20	3.28	0.00172	PASS
				30	9.03	0.00473	PASS
				40	-4.47	-0.00234	PASS
				50	-1.33	-0.0007	PASS

END