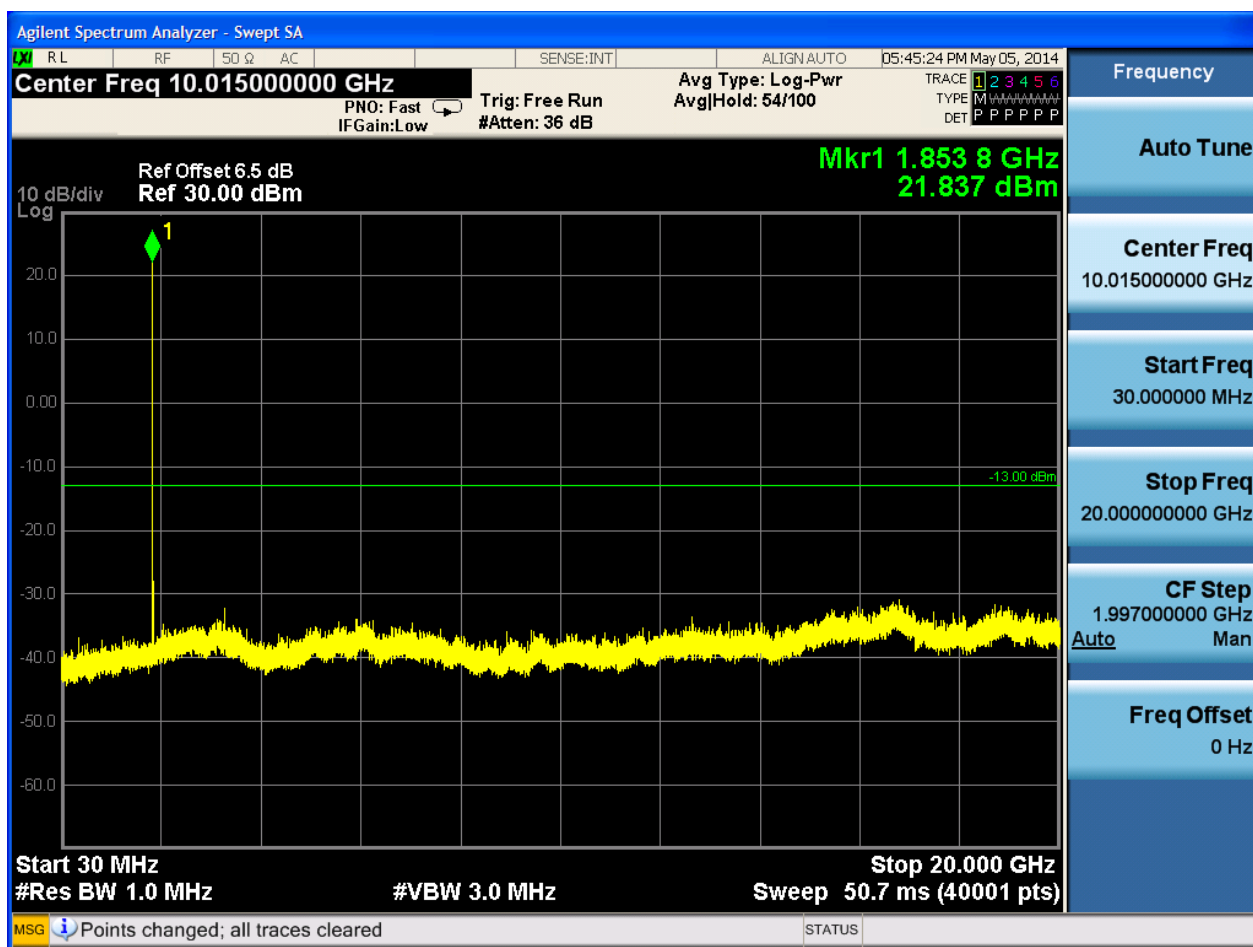
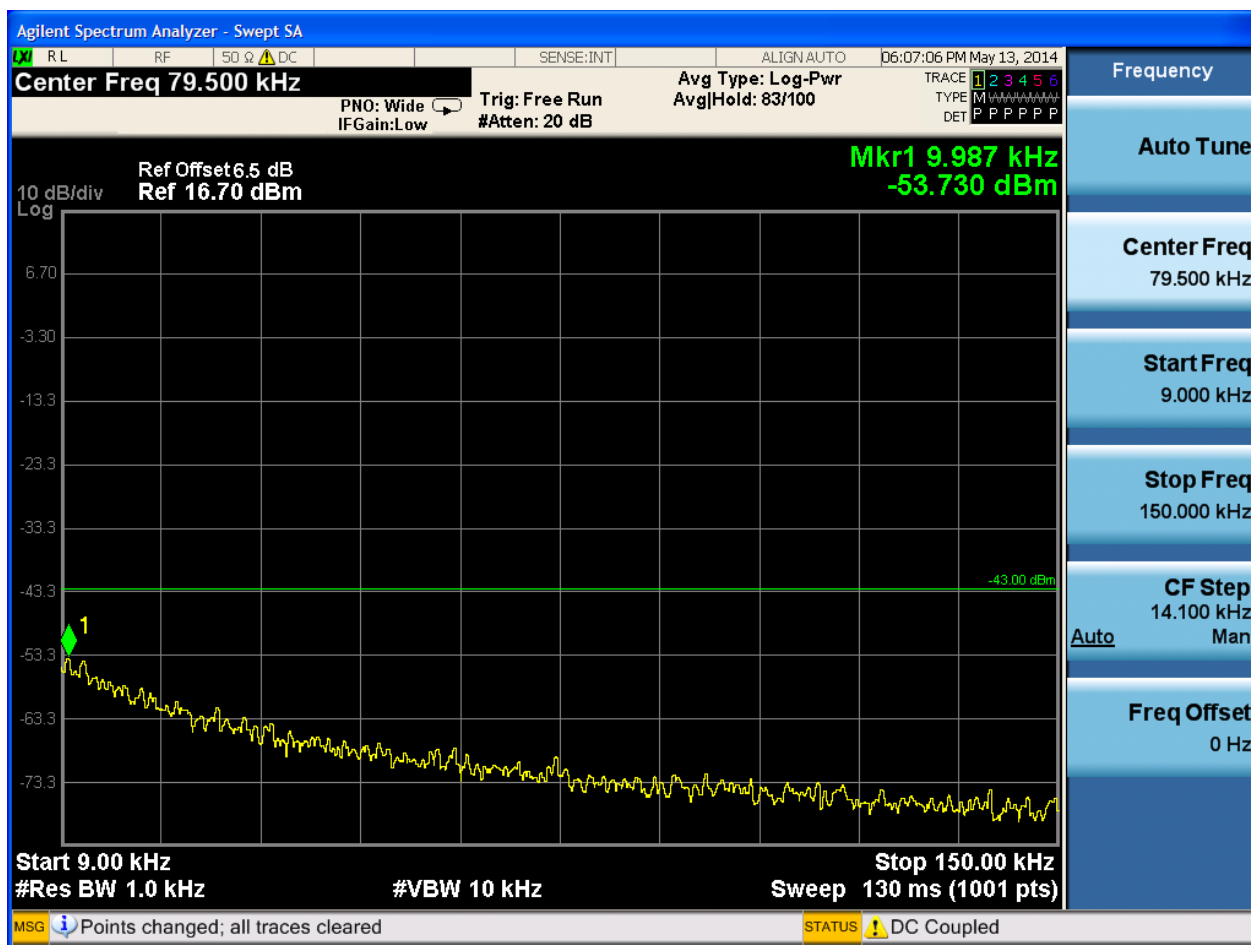
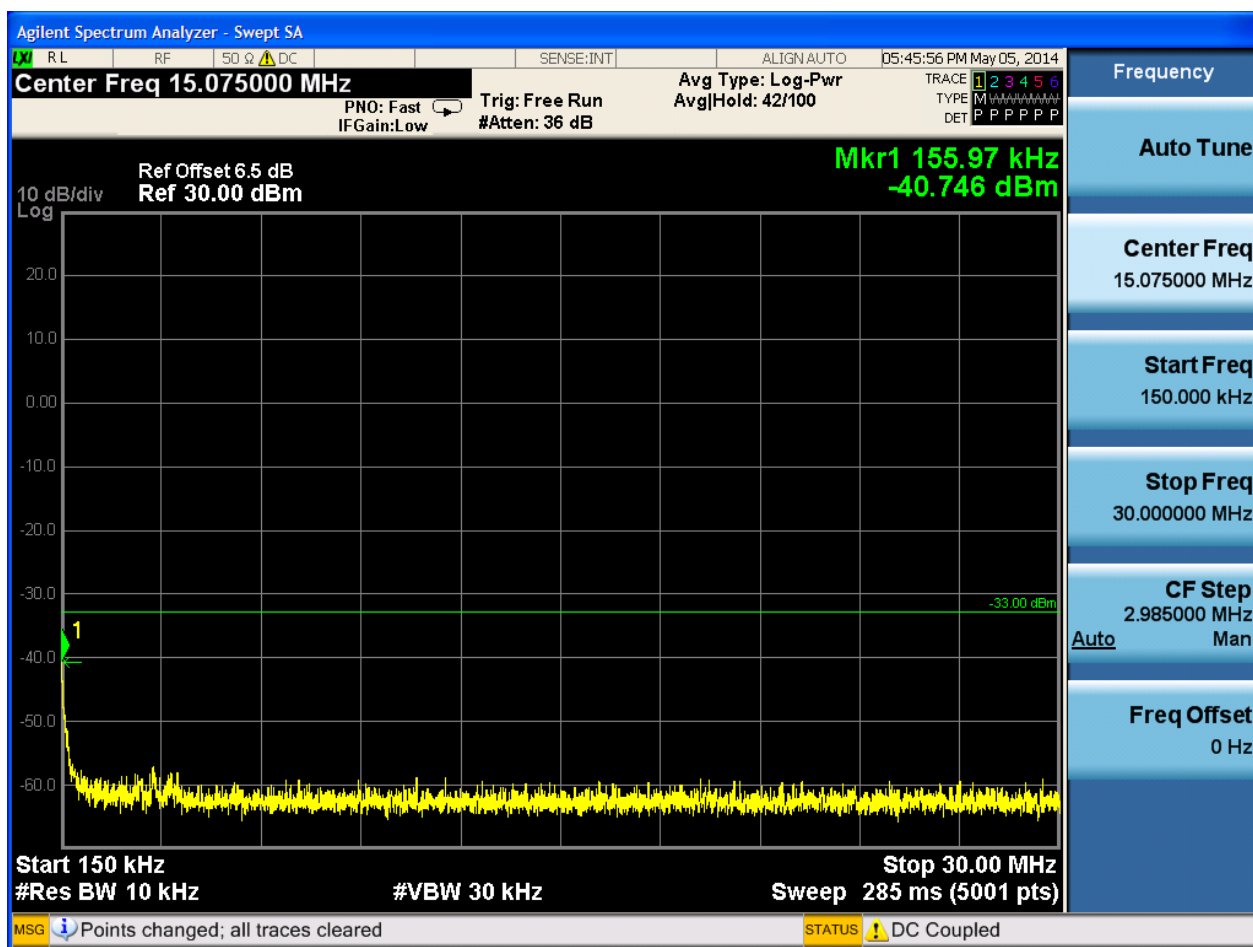


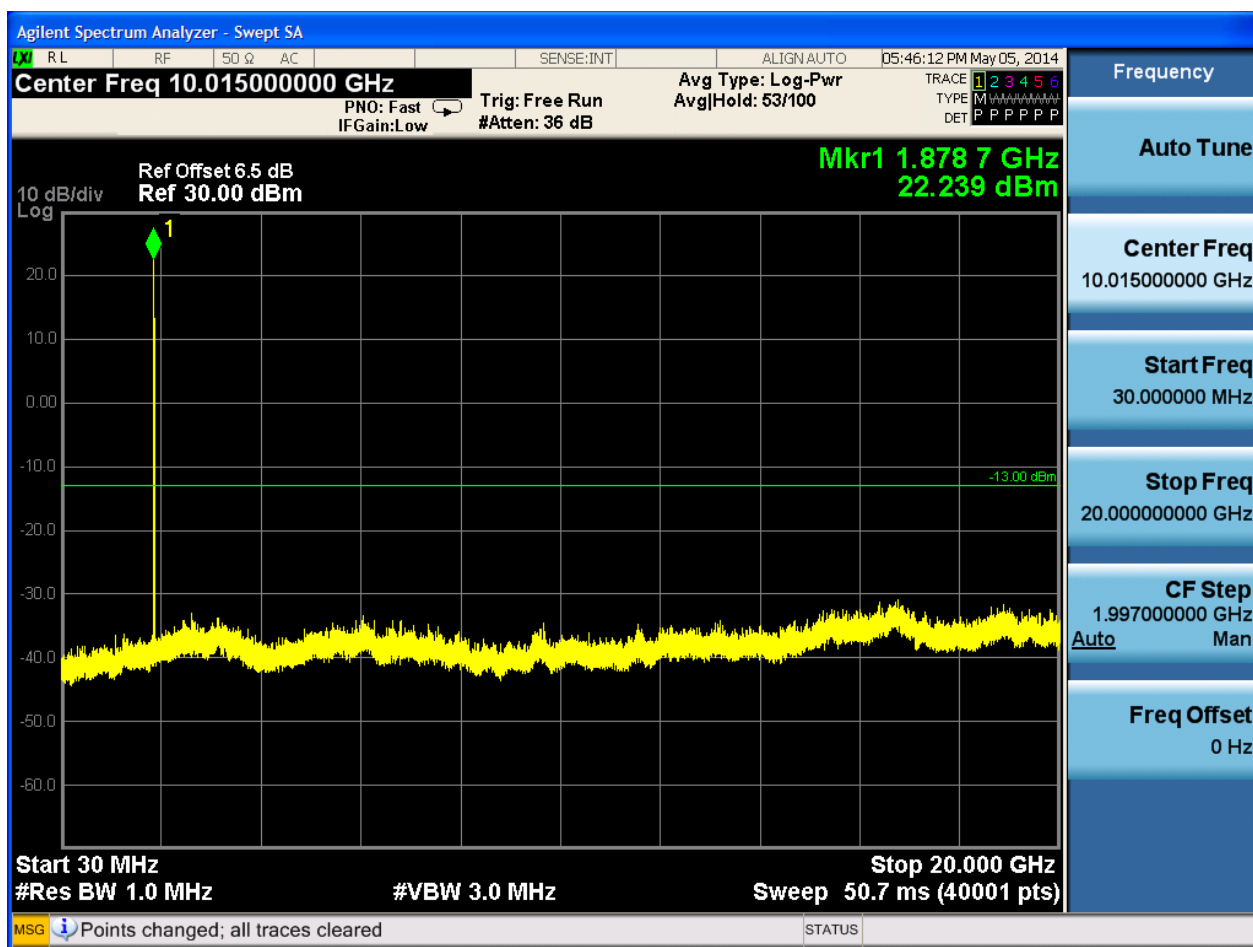




6.2.2.1.2 Test Channel = MCH

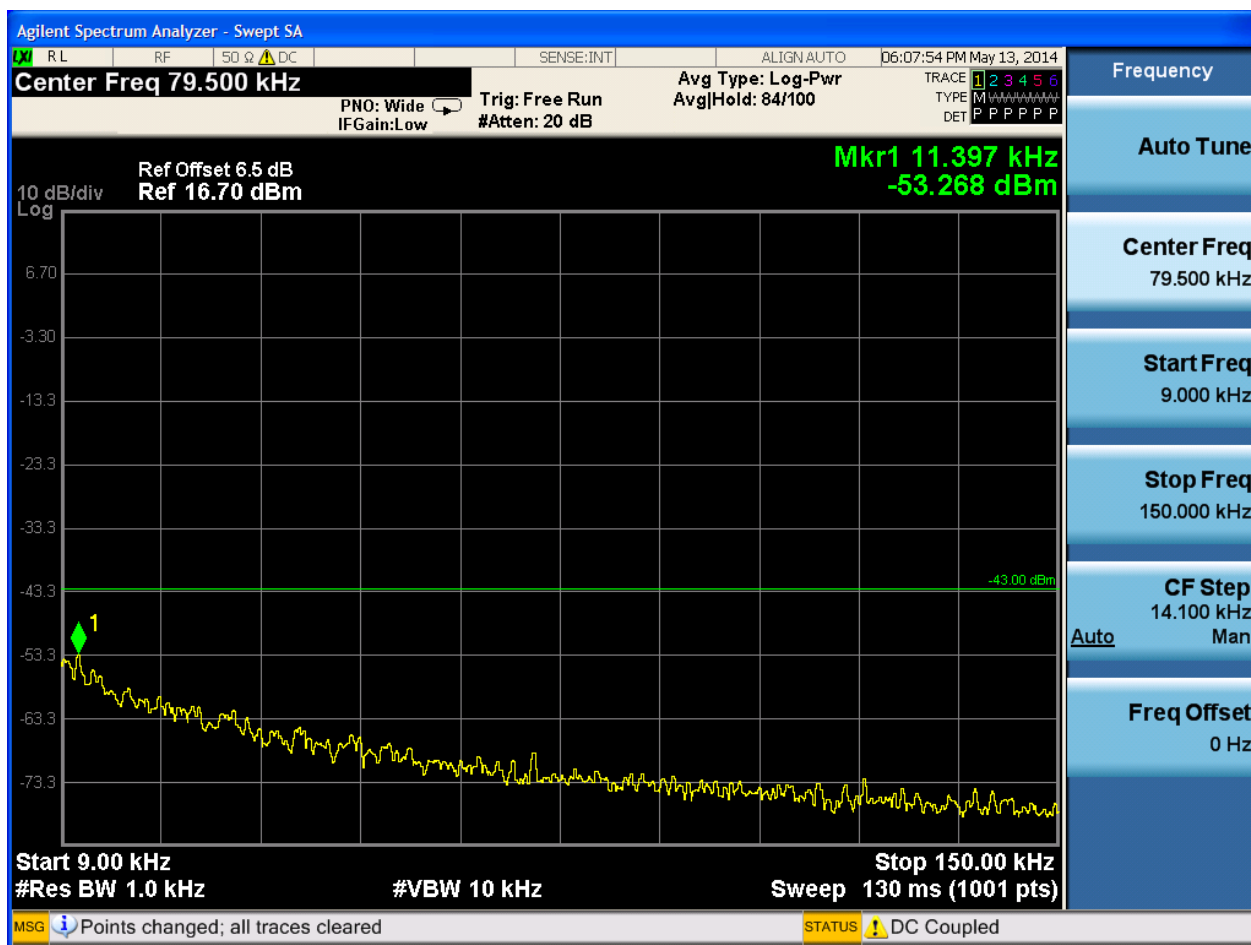


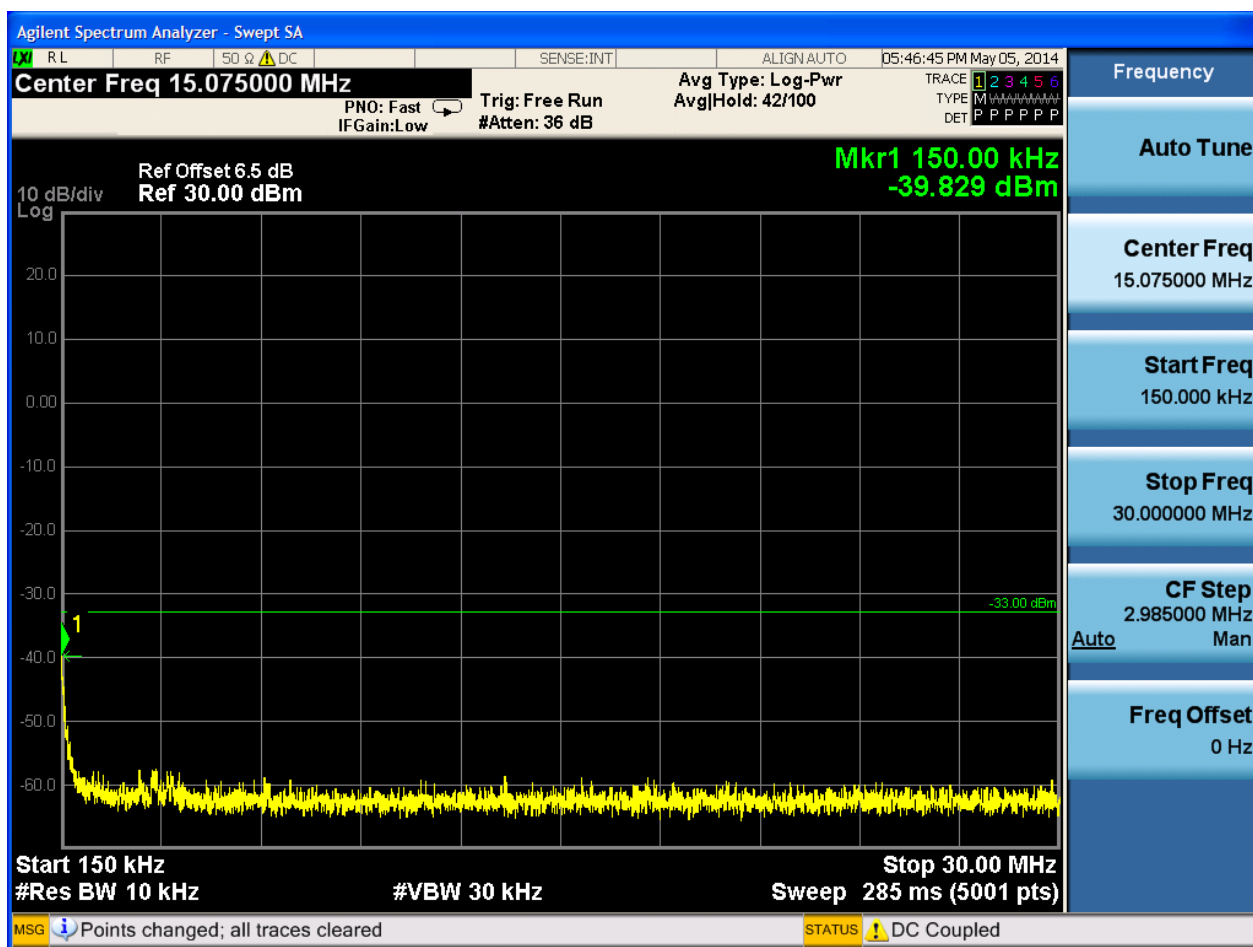


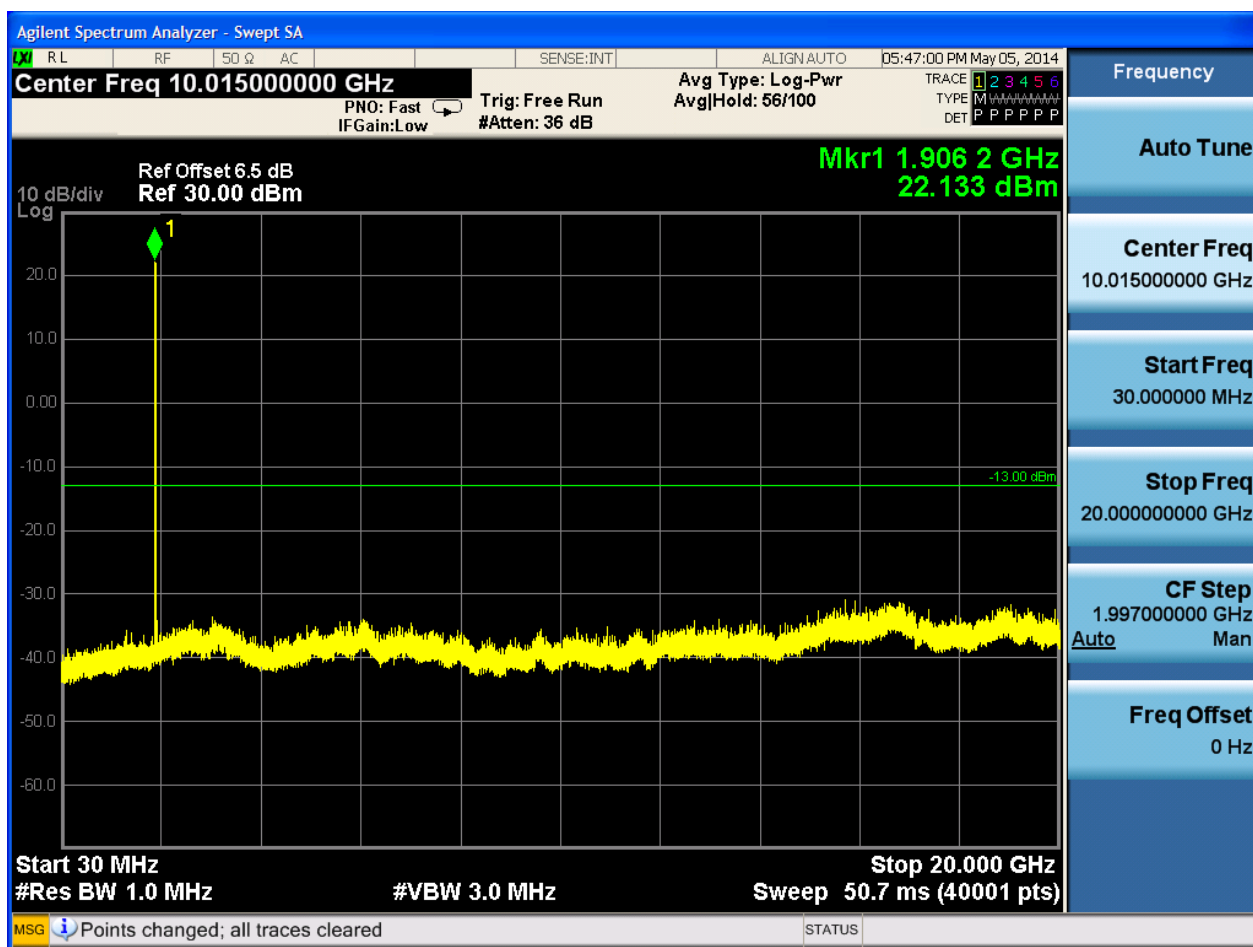




6.2.2.1.3 Test Channel = HCH





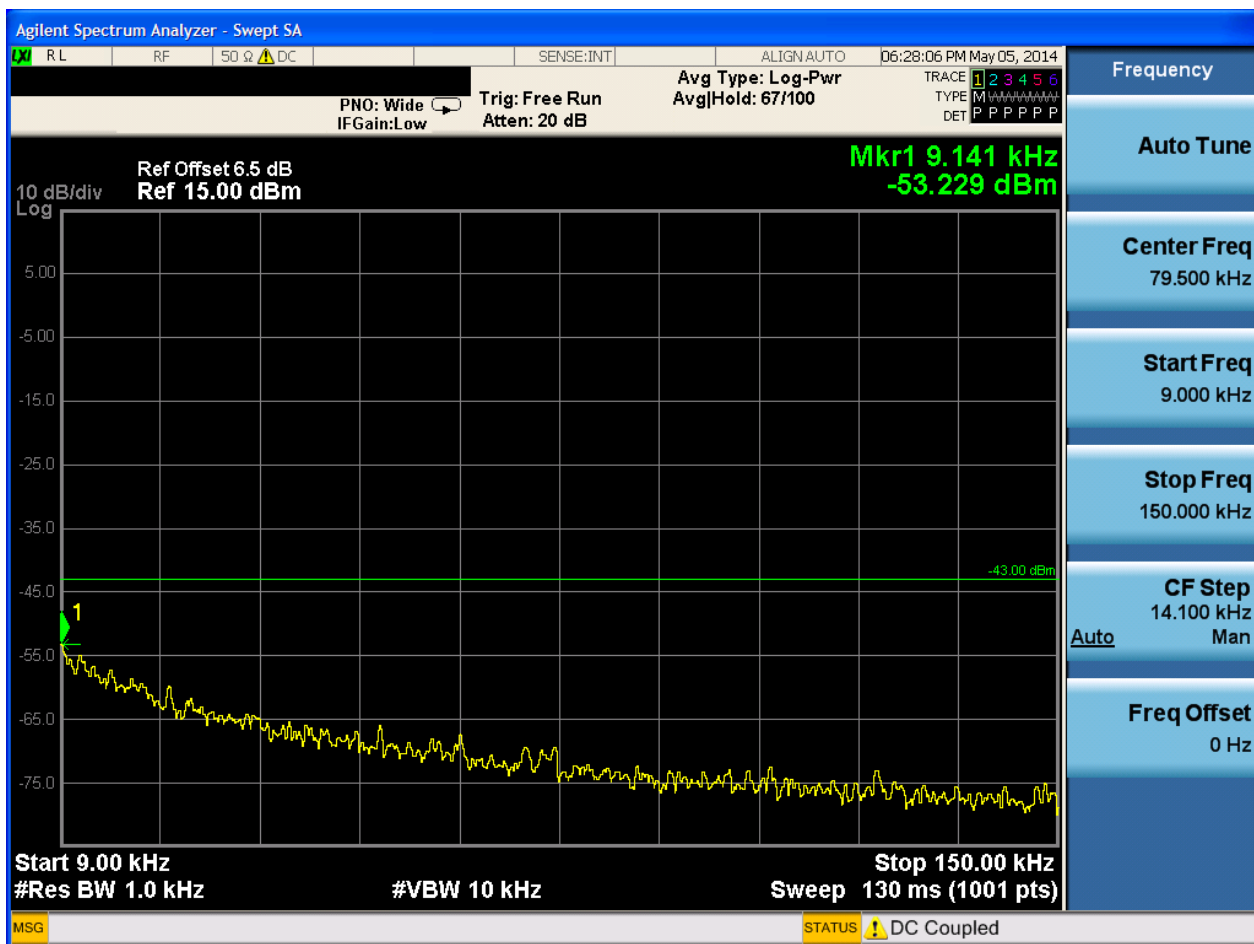


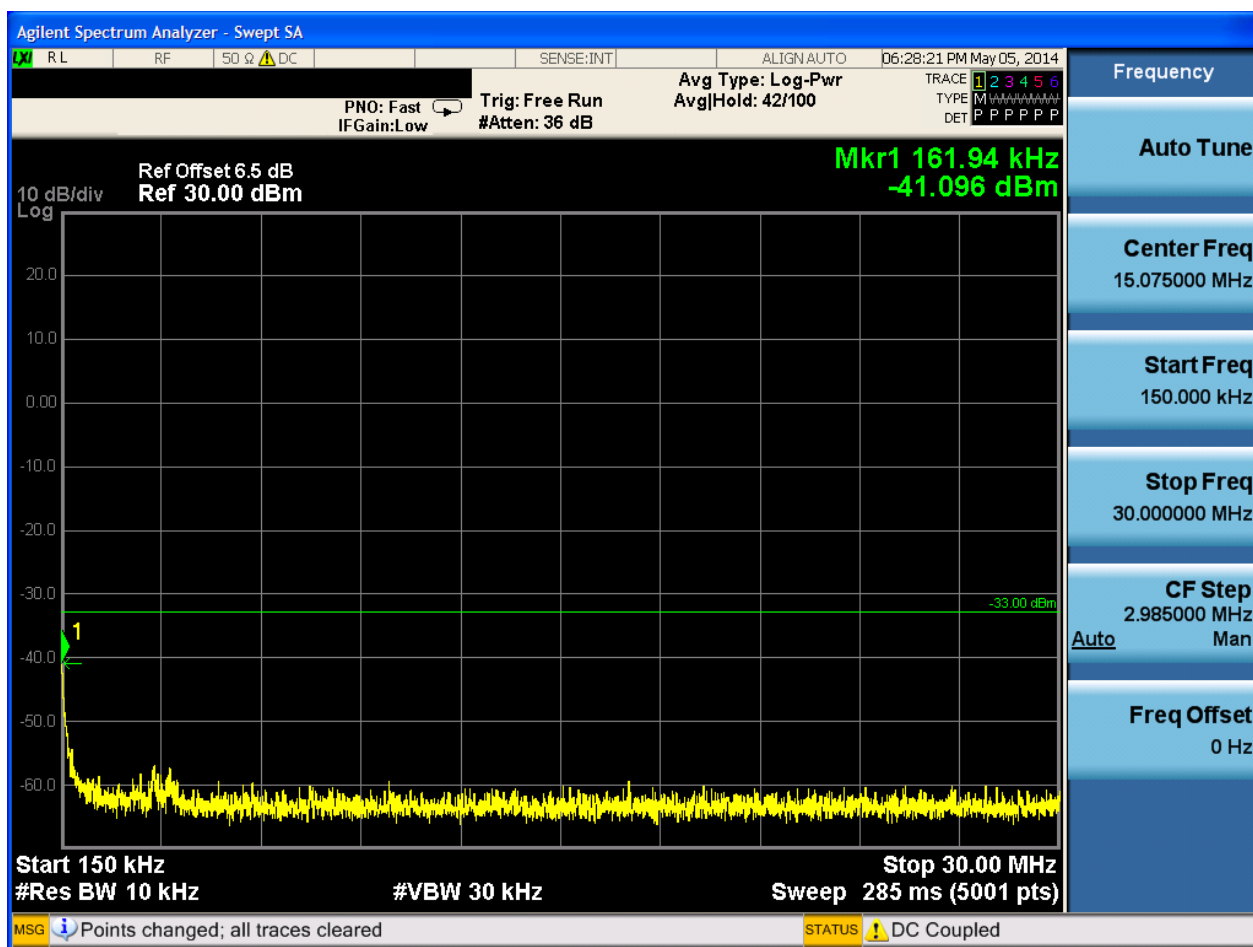


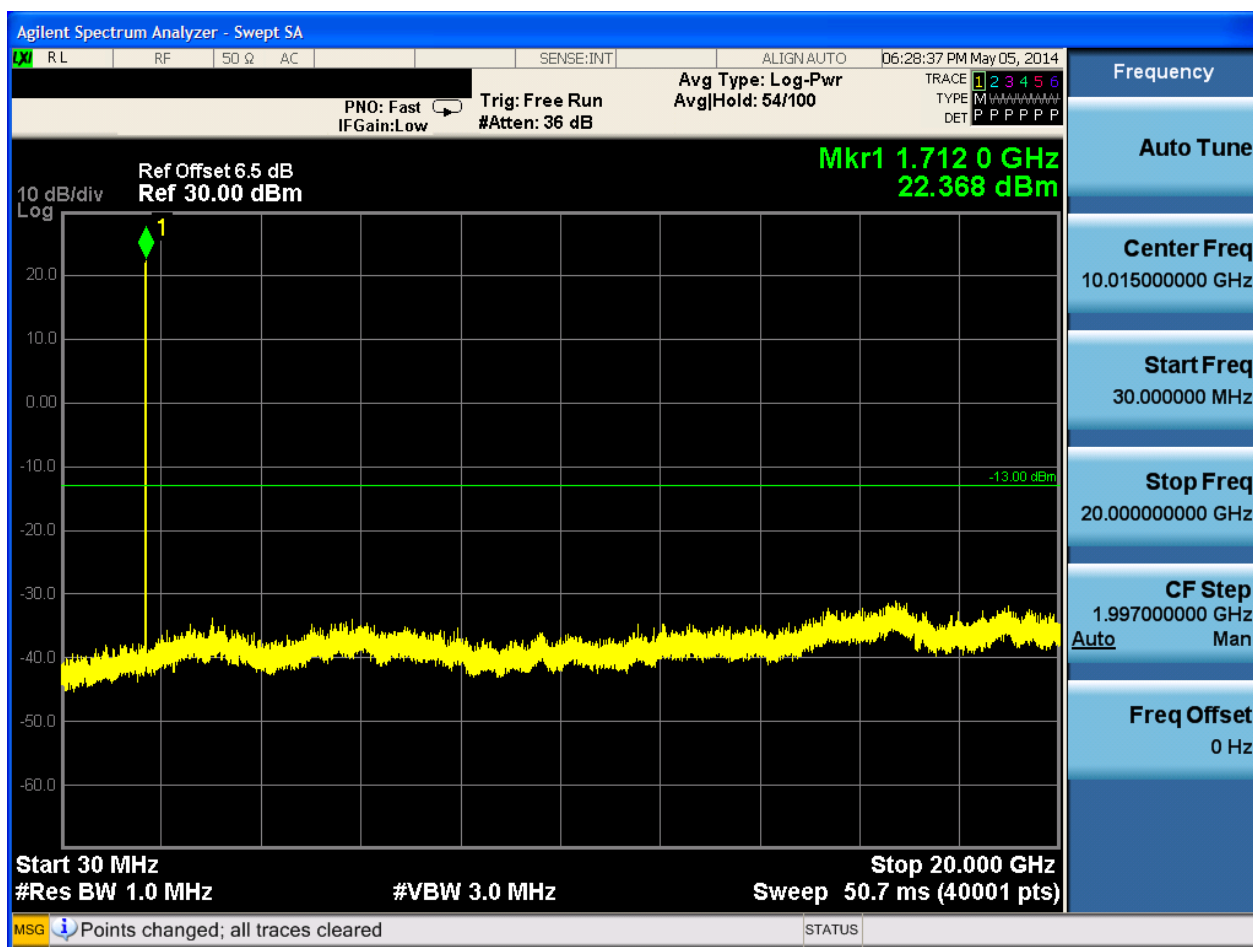
6.2.3 Test Band = WCDMA1700

6.2.3.1 Test Mode = UMTS/TM1

6.2.3.1.1 Test Channel = LCH

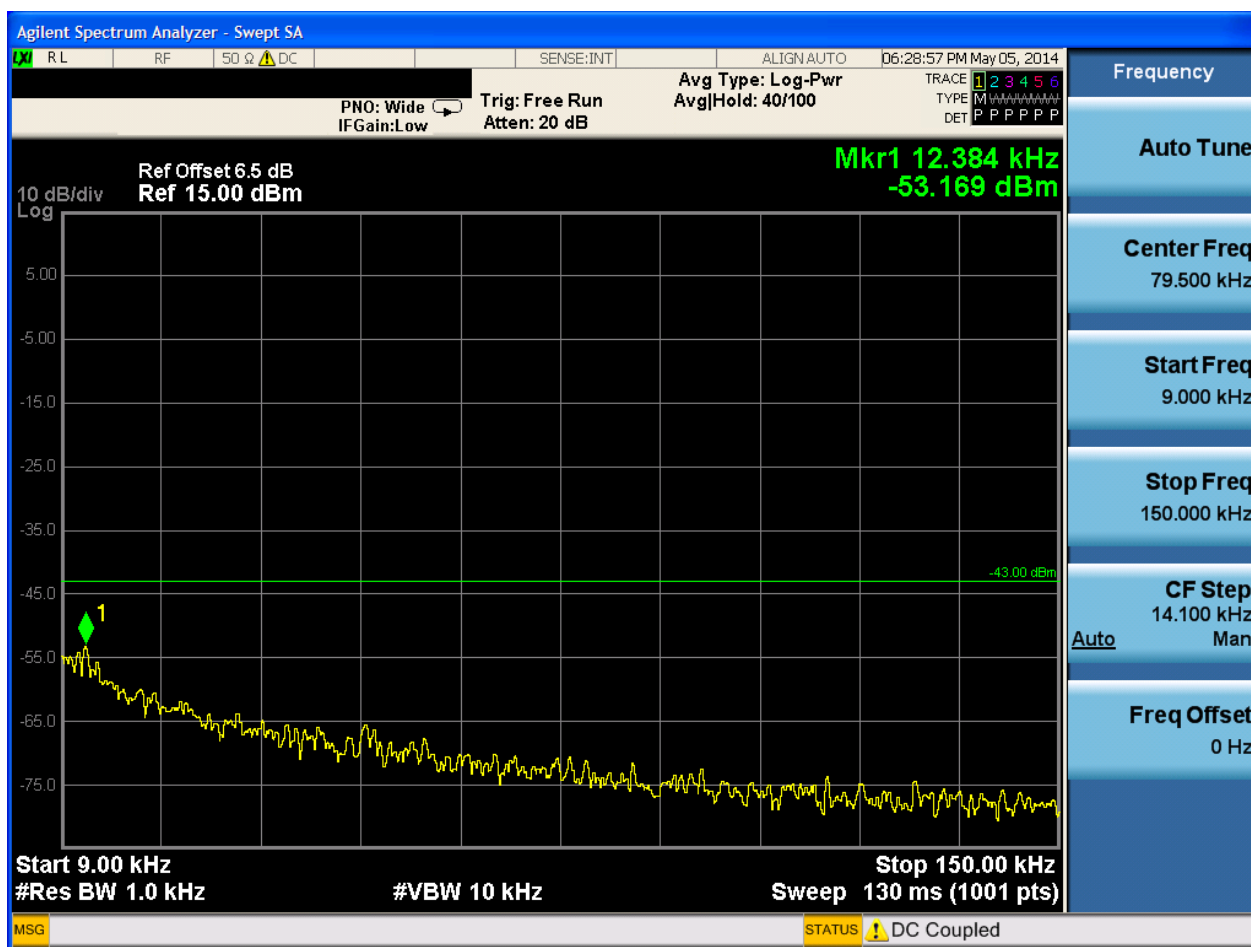


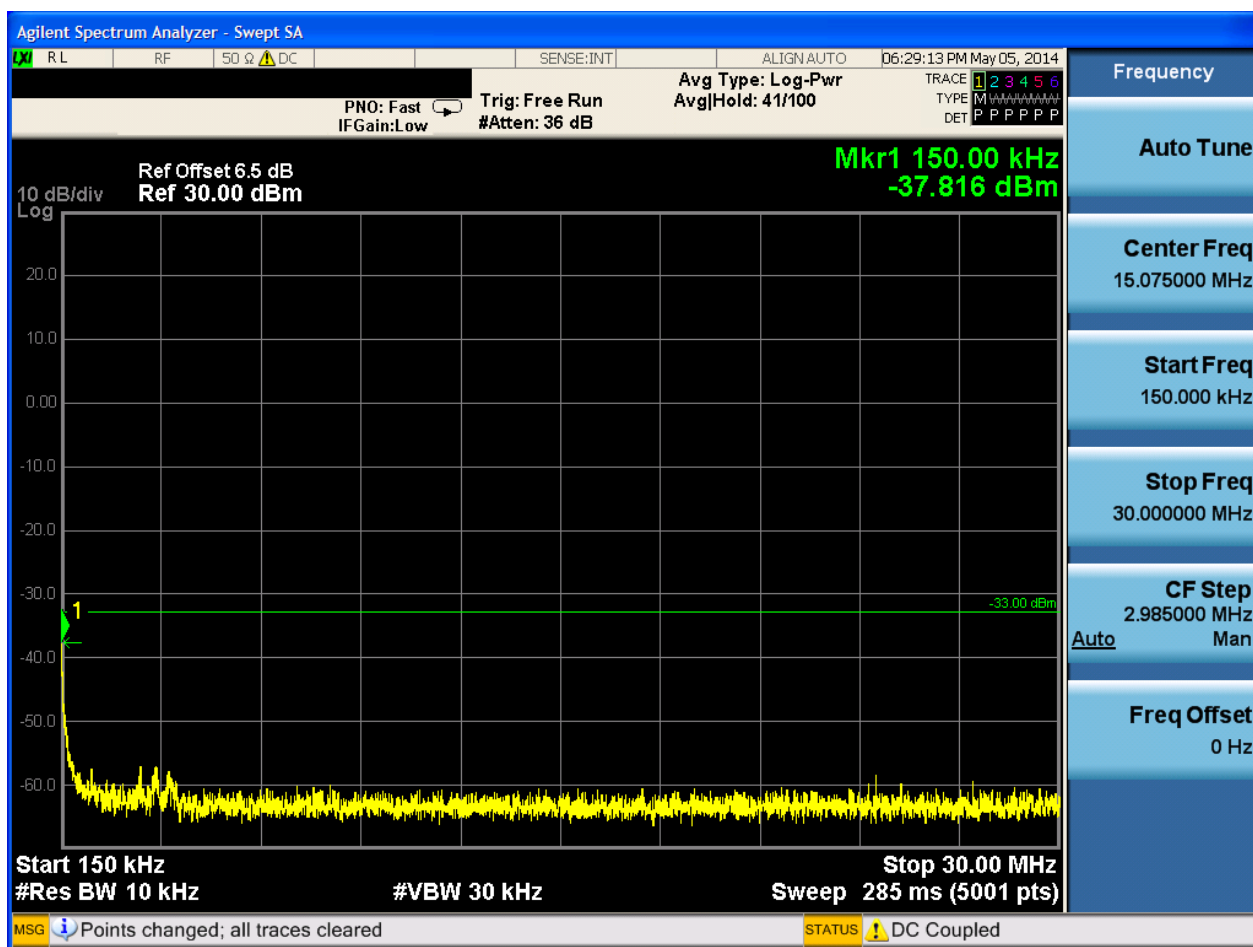


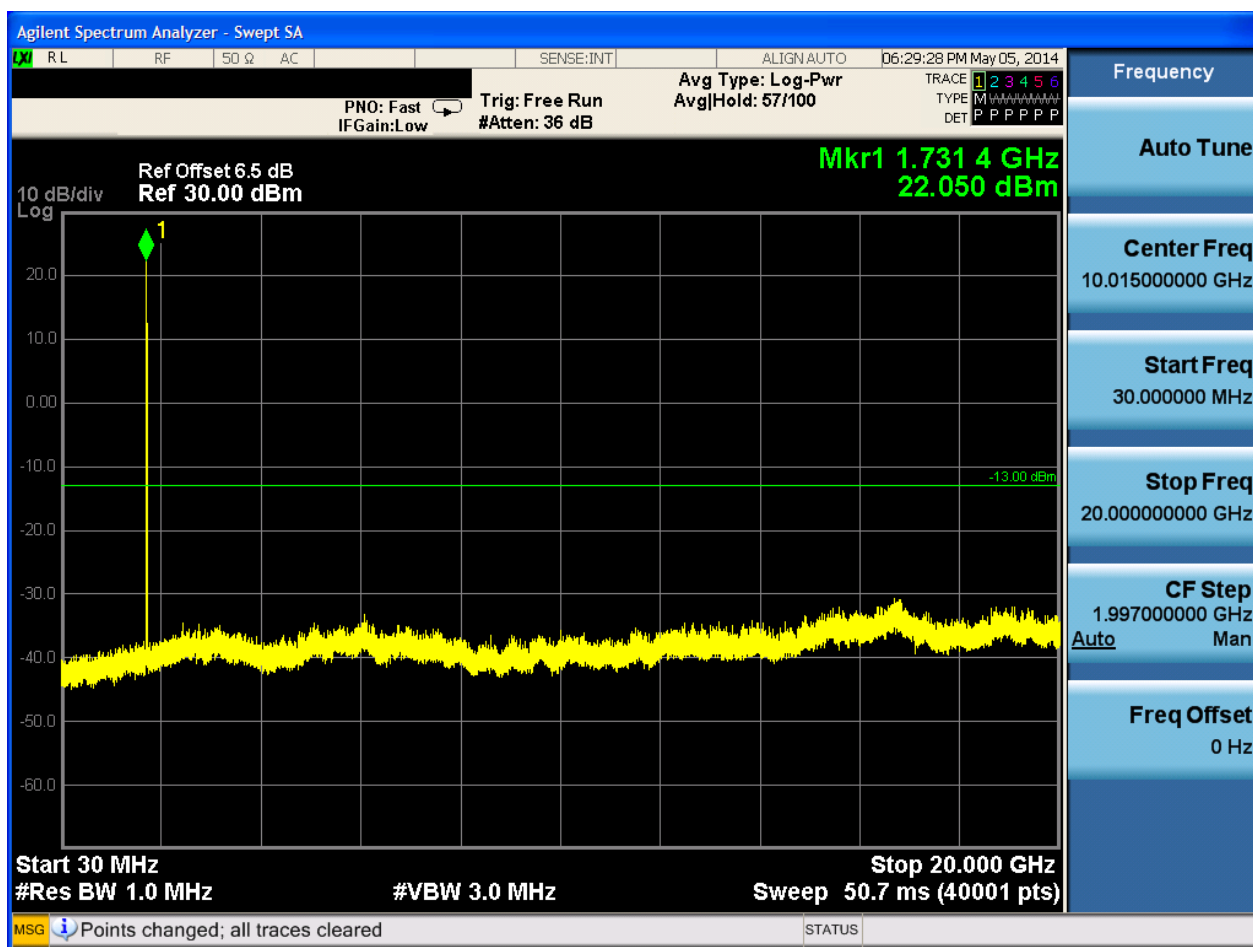




6.2.3.1.2 Test Channel = MCH









Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω DC SENSE:INT ALIGN: AUTO 06:29:52 PM May 05, 2014

PNO: Wide Trg: Free Run Avg Type: Log-Pwr
IFGain: Low Atten: 20 dB Avg|Hold: 68/100

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

Ref Offset 6.5 dB
Ref 15.00 dBm

Mkr1 10.410 kHz
-52.970 dBm

10 dB/div
Log

5.00
-5.00
-15.0
-25.0
-35.0
-45.0
-55.0
-65.0
-75.0

Start 9.00 kHz
#Res BW 1.0 kHz

#VBW 10 kHz

Stop 150.00 kHz
Sweep 130 ms (1001 pts)

-43.00 dBm

Frequency

Auto Tune

Center Freq
79.500 kHz

Start Freq
9.000 kHz

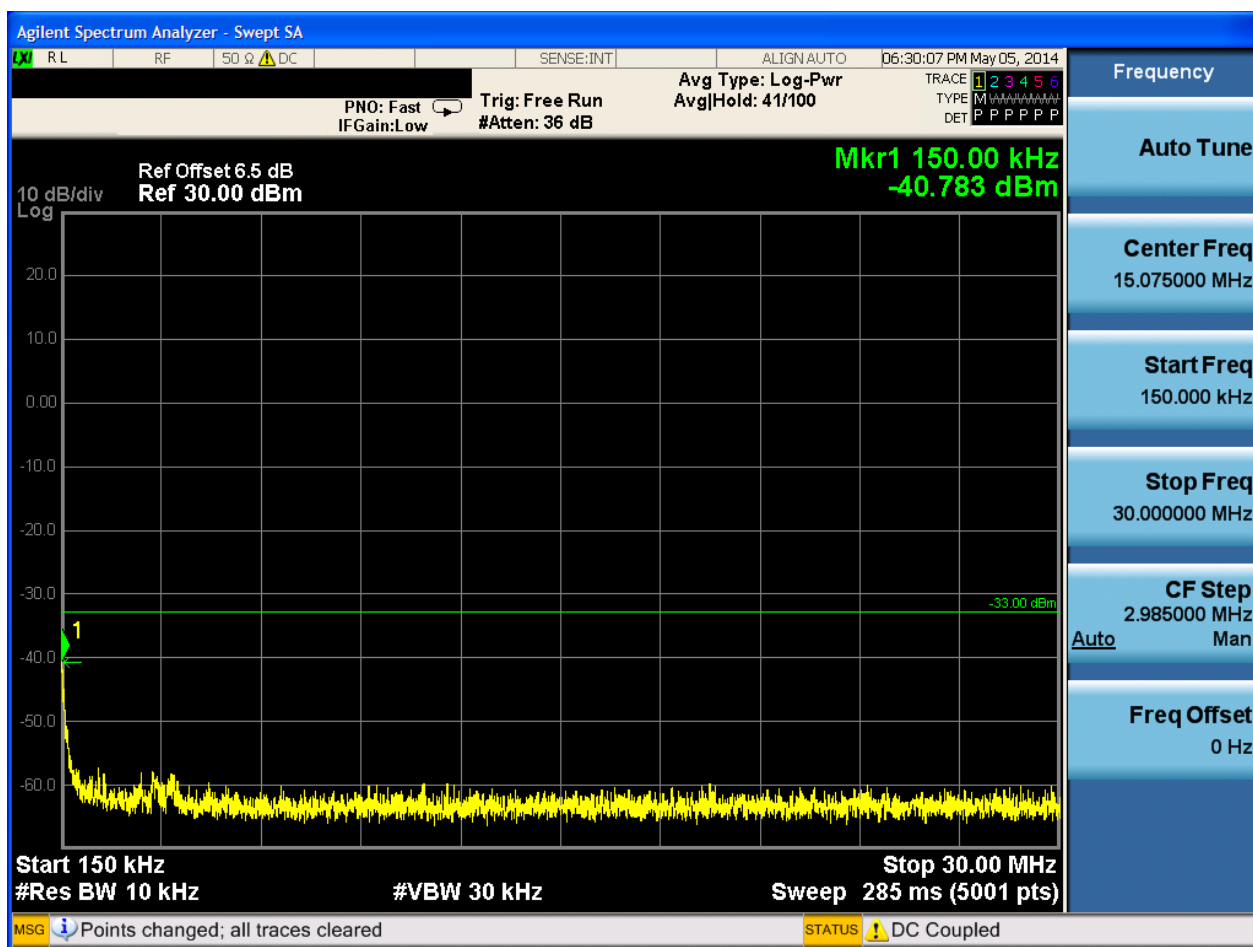
Stop Freq
150.000 kHz

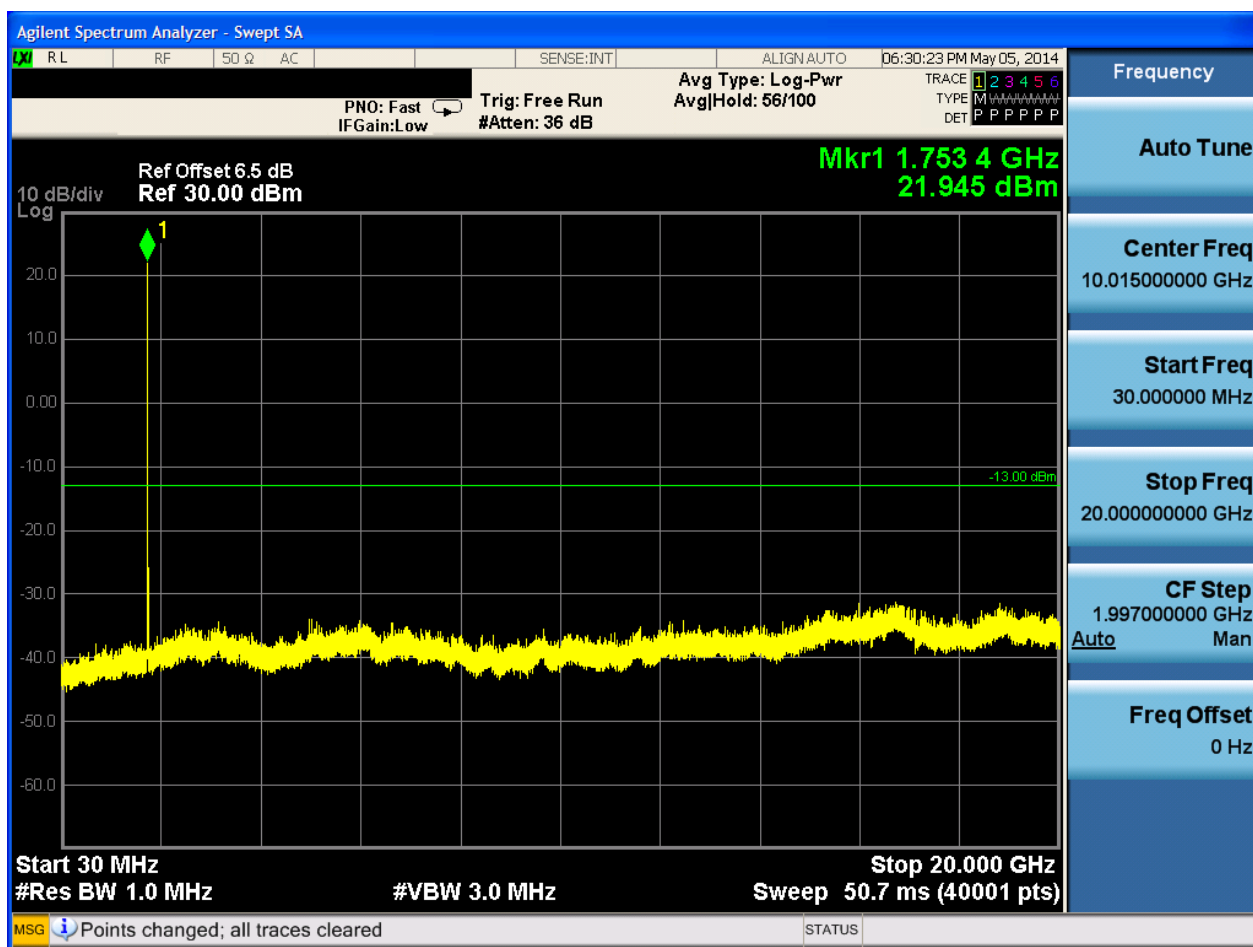
CF Step
14.100 kHz
Man

Auto

Freq Offset
0 Hz

MSG STATUS DC Coupled





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

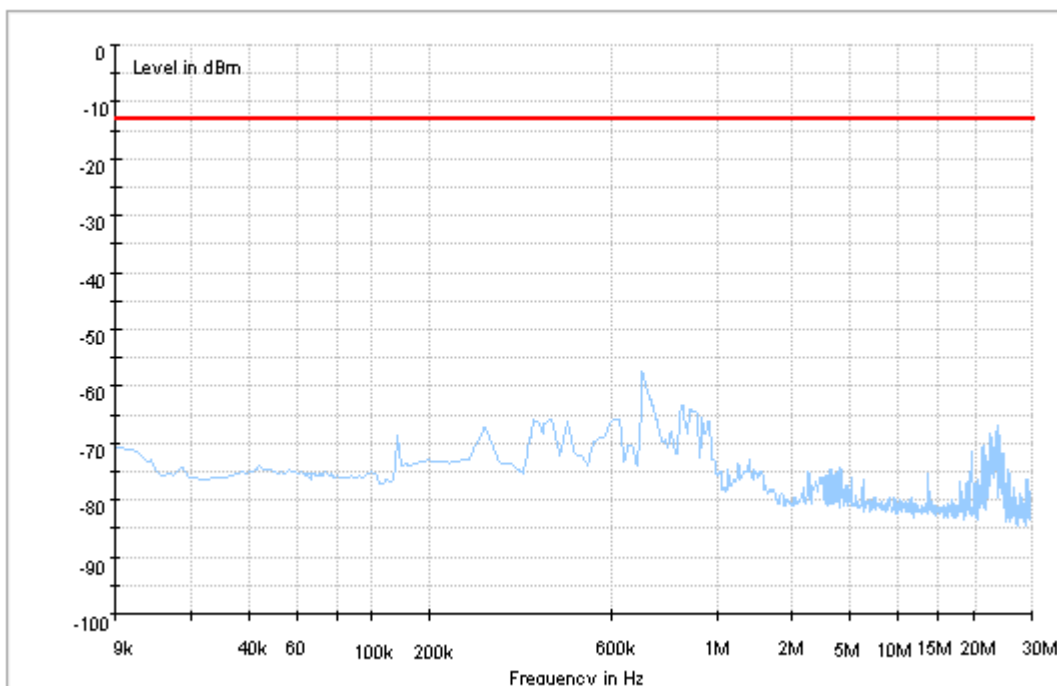
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

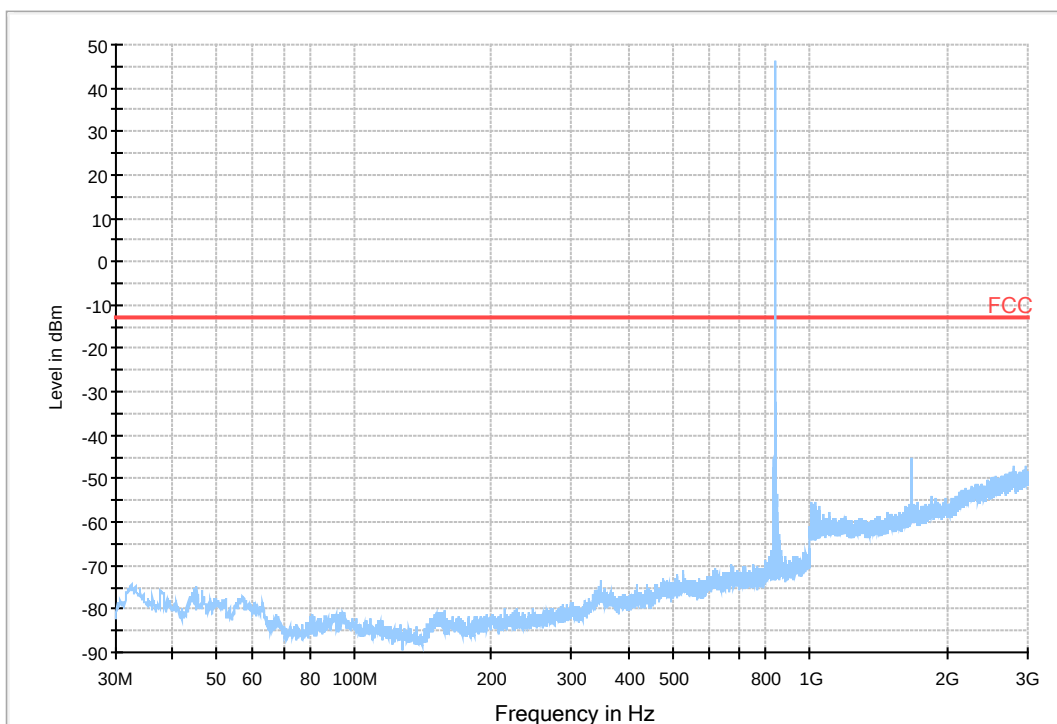
7.1 For GSM

7.1.1 Test Band = GSM850

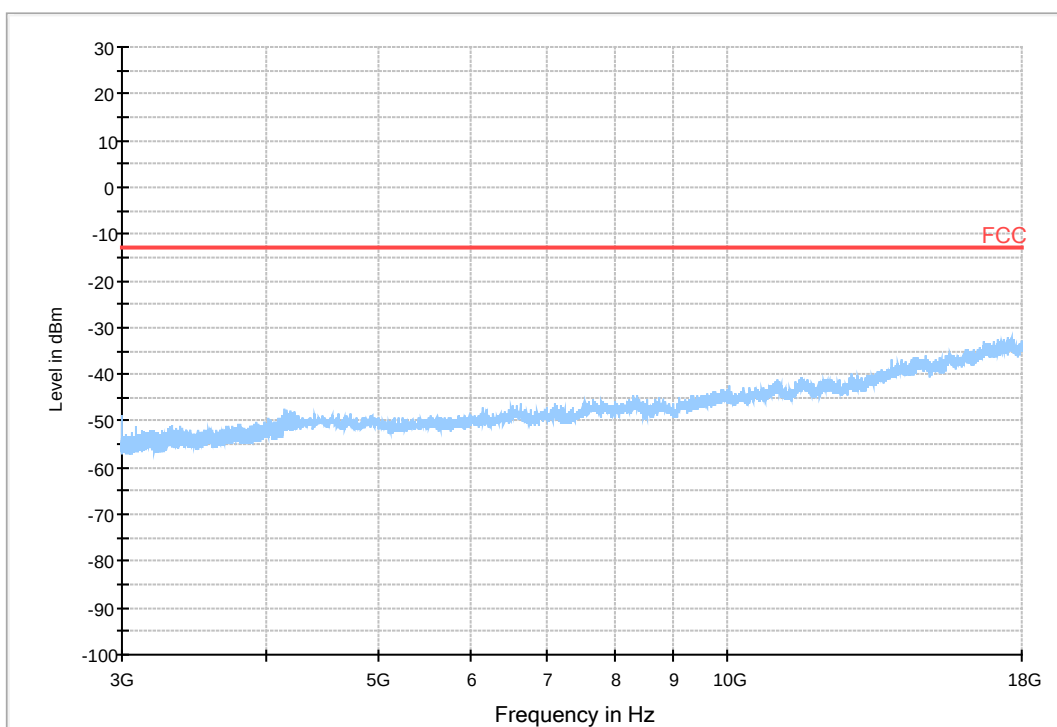
7.1.1.1 Test Mode = GSM/TM1



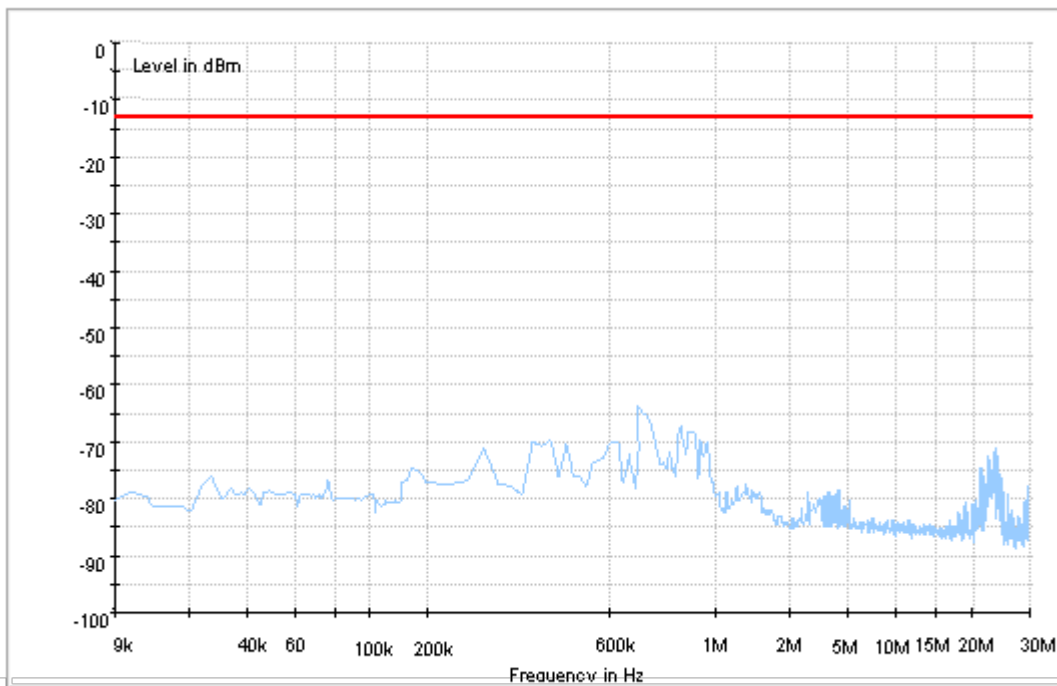
Copy of FCC PART22 GSM850_L



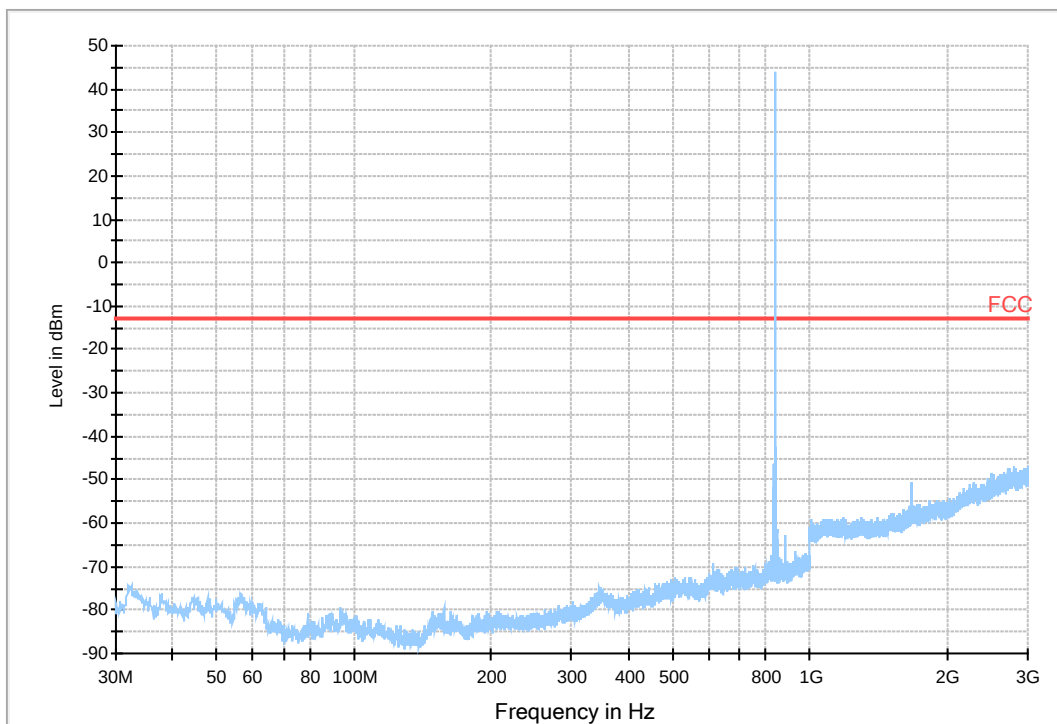
Copy of FCC PART22 GSM850_H



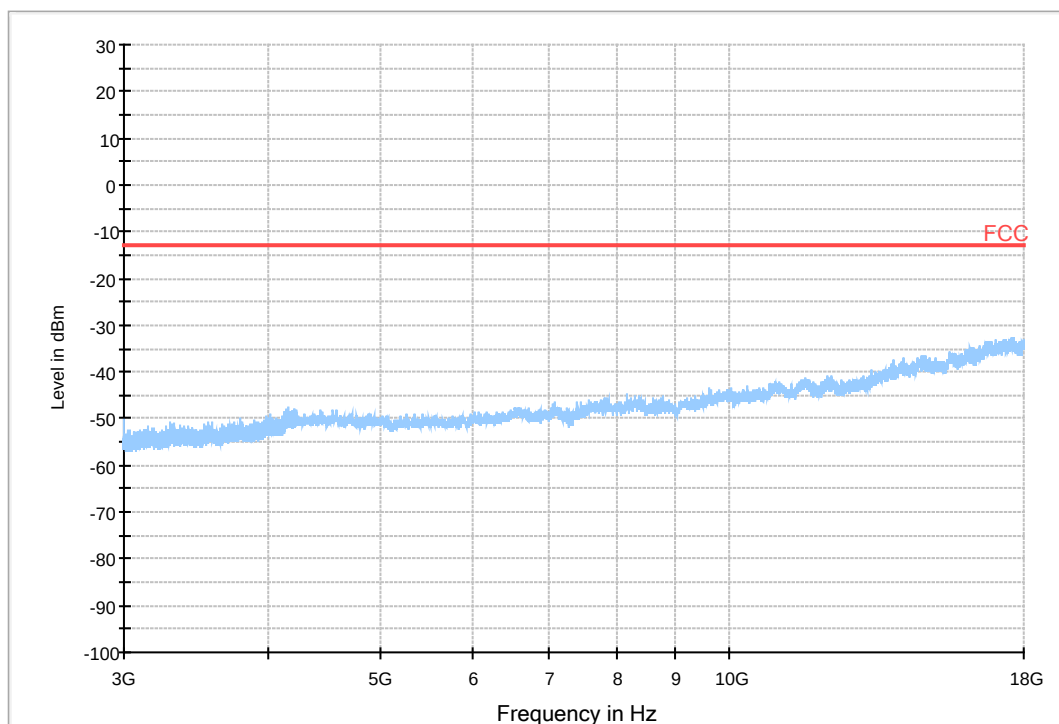
7.1.1.2 Test Mode = GSM/TM2



Copy of FCC PART22 GSM850_L

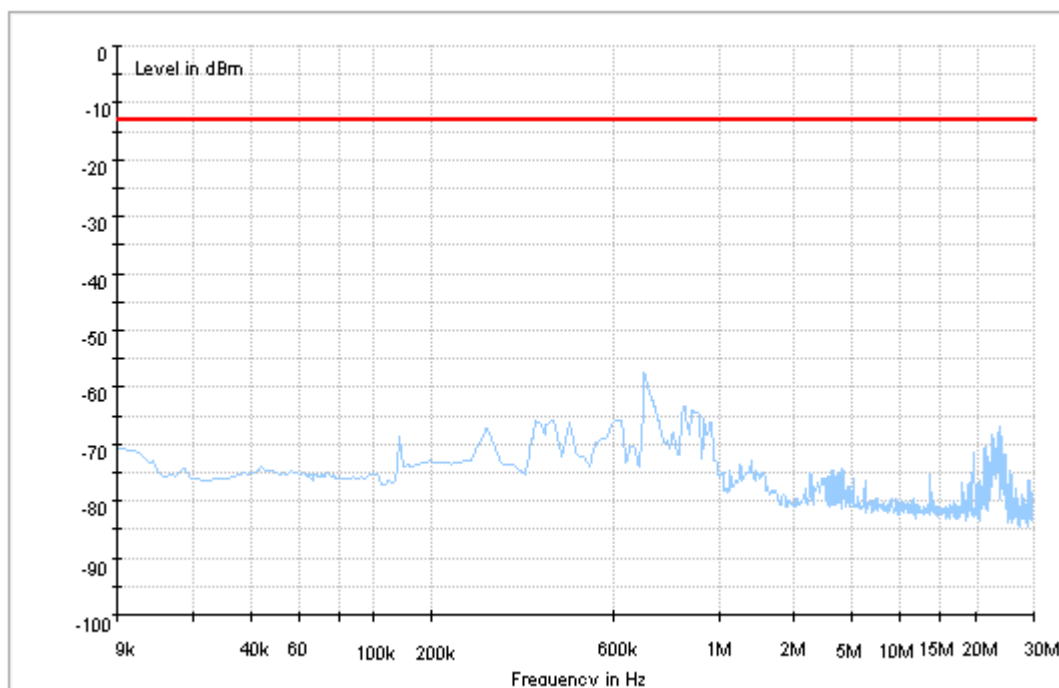


Copy of FCC PART22 GSM850_H

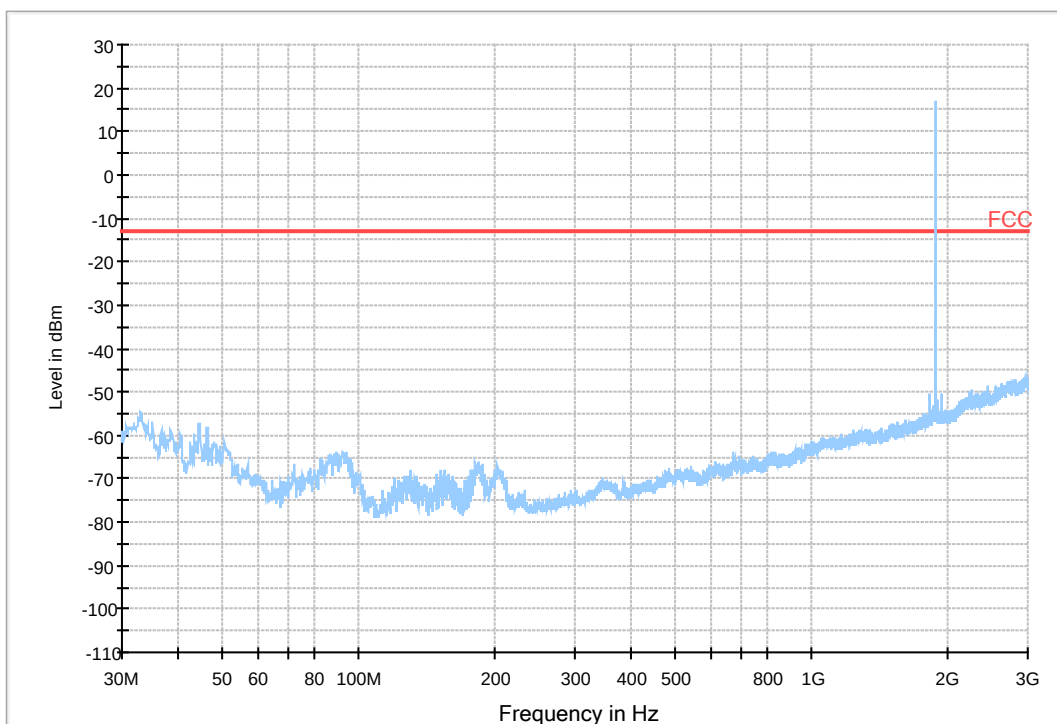


7.1.2 Test Band = GSM1900

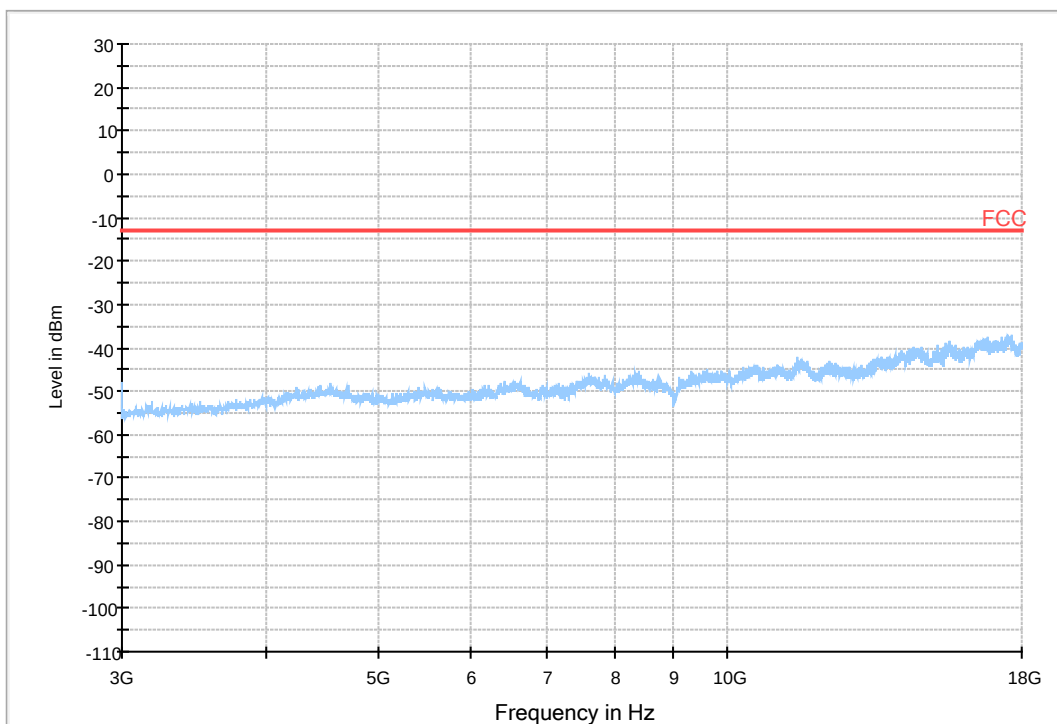
7.1.2.1 Test Mode = GSM/TM1

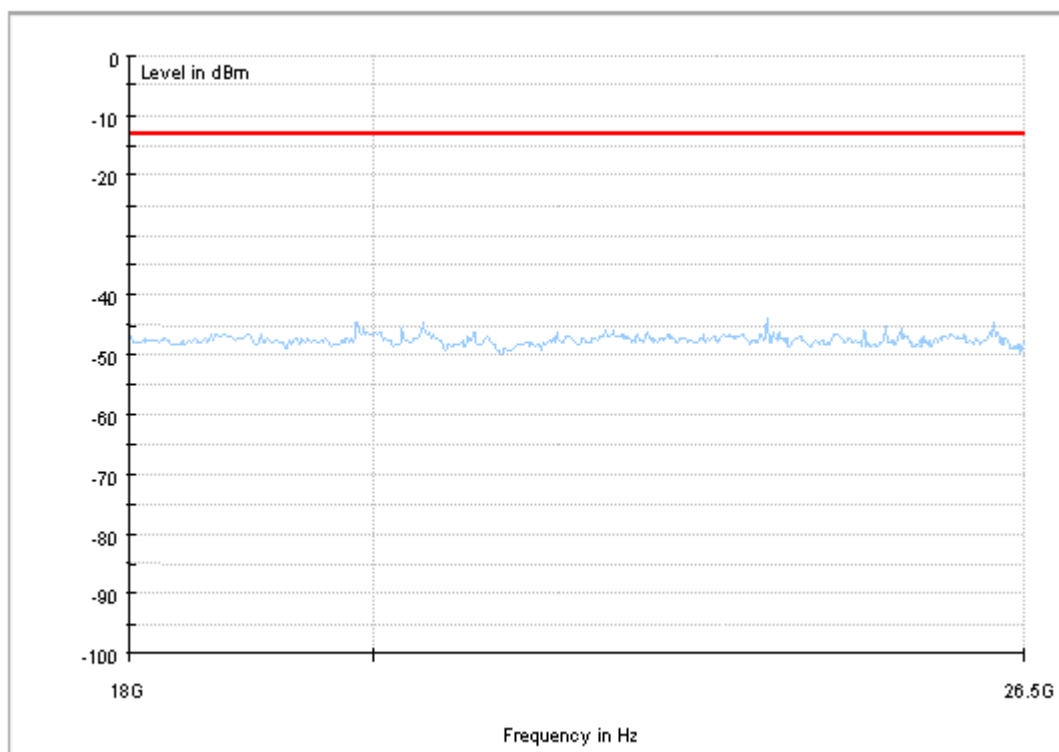


Copy of FCC PART24 GSM1900_L

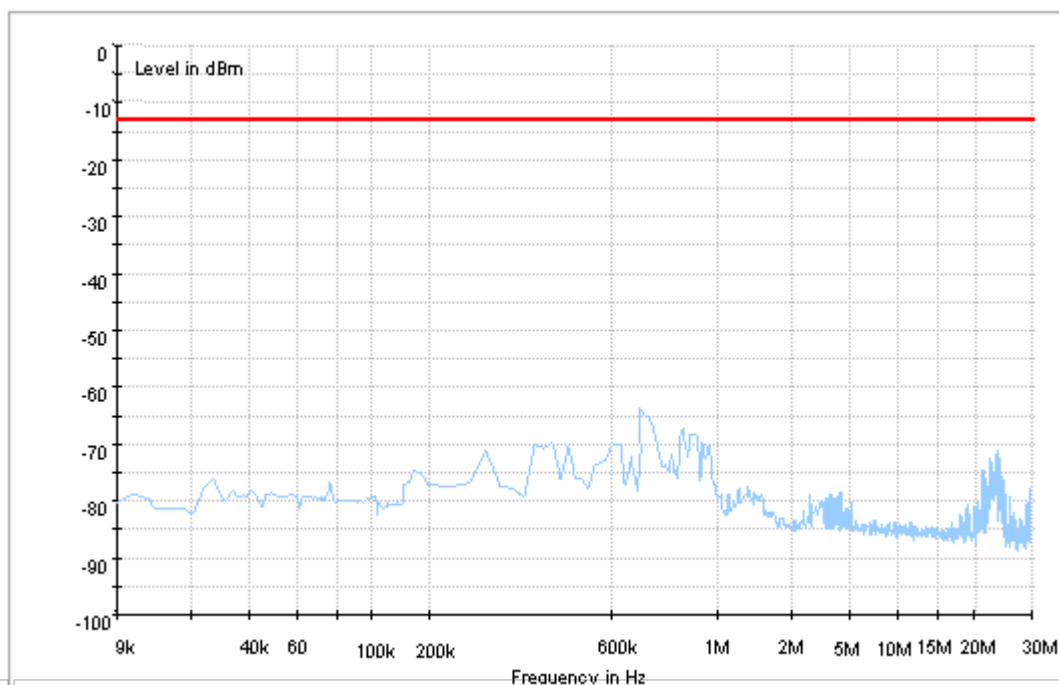


Copy of FCC PART24 GSM1900_H

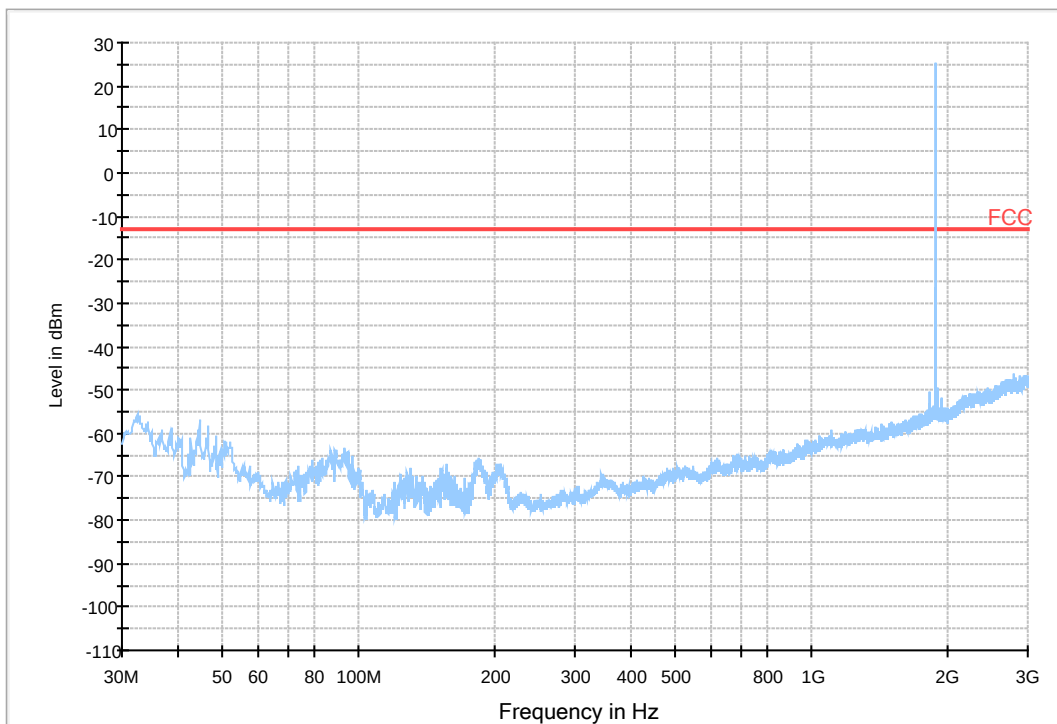




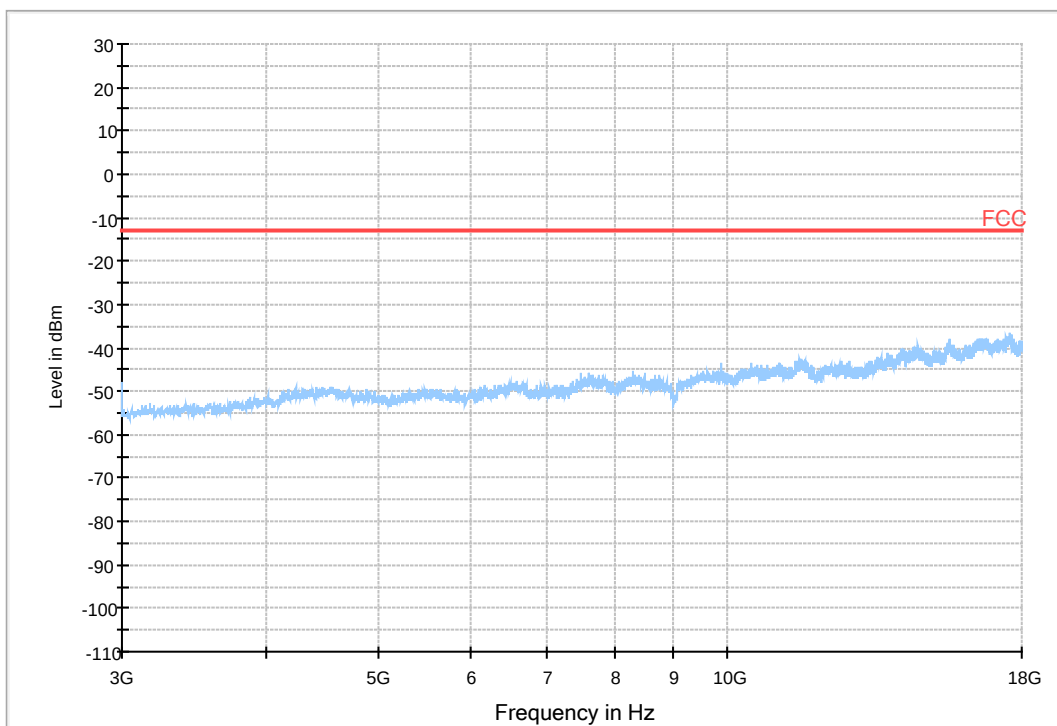
7.1.2.2 Test Mode = GSM/TM2

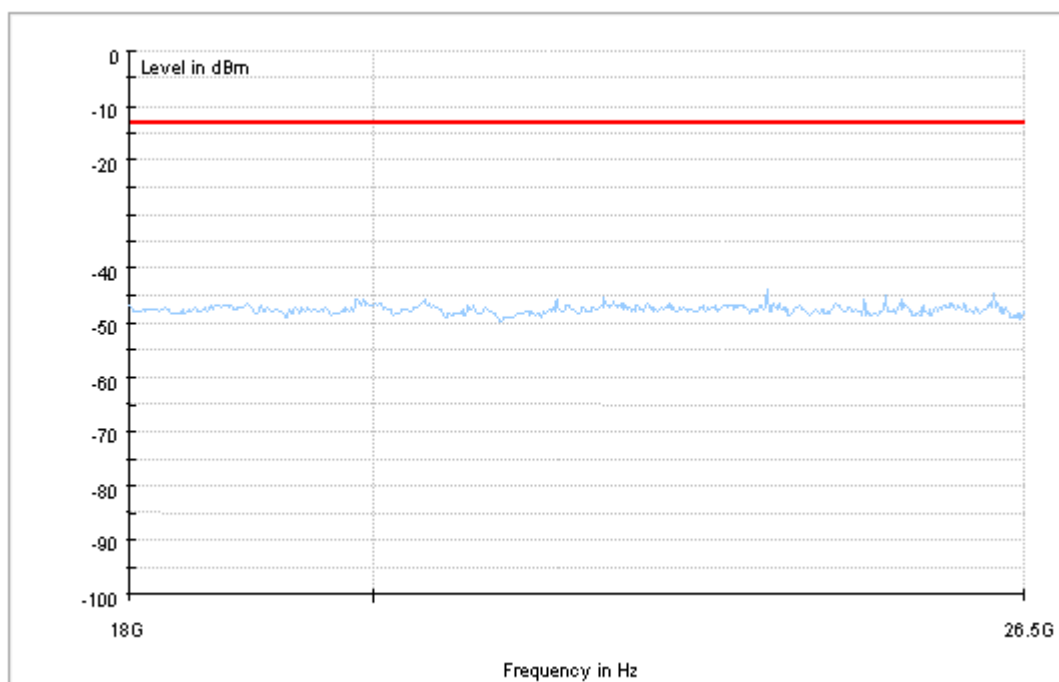


Copy of FCC PART24 GSM1900_L



Copy of FCC PART24 GSM1900_H

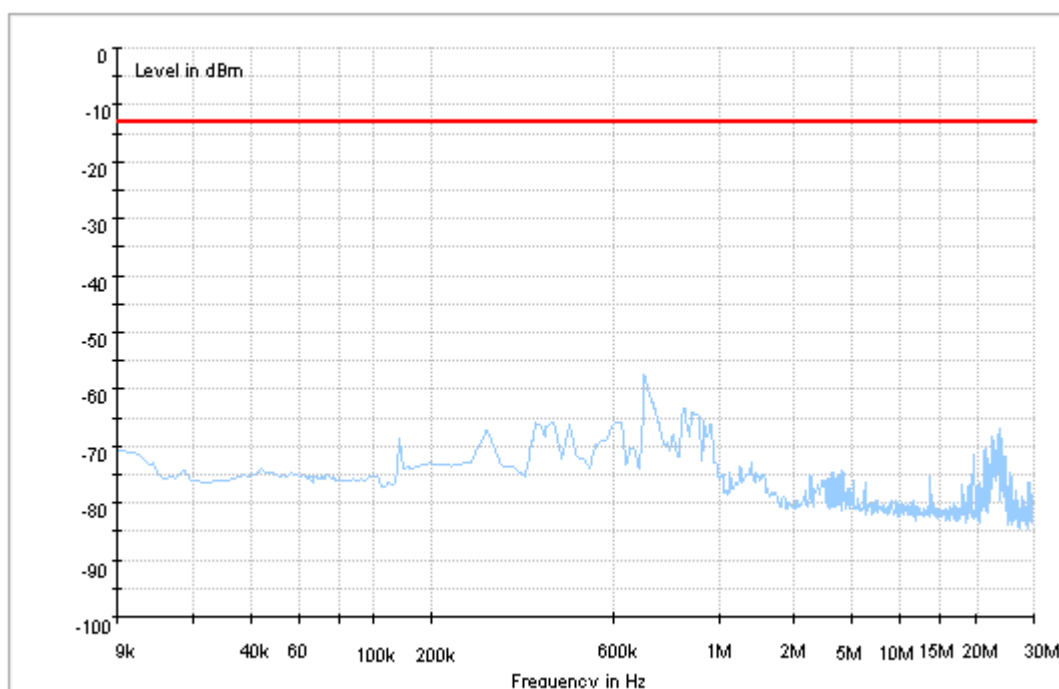




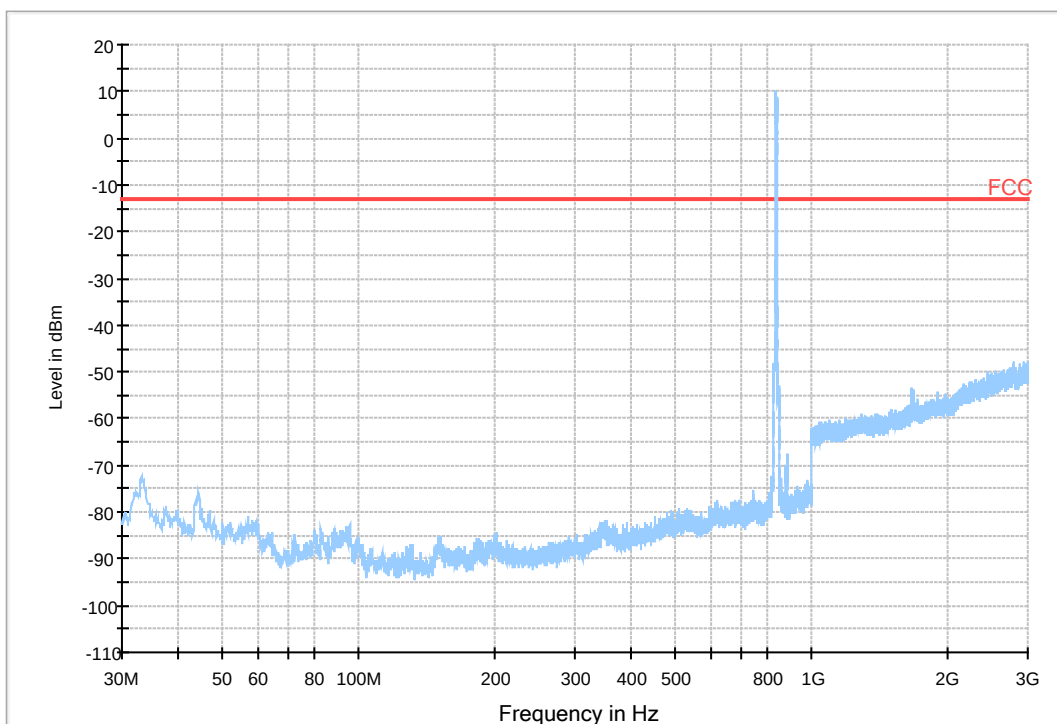
7.2 For UMTS

7.2.1 Test Band = WCDMA850

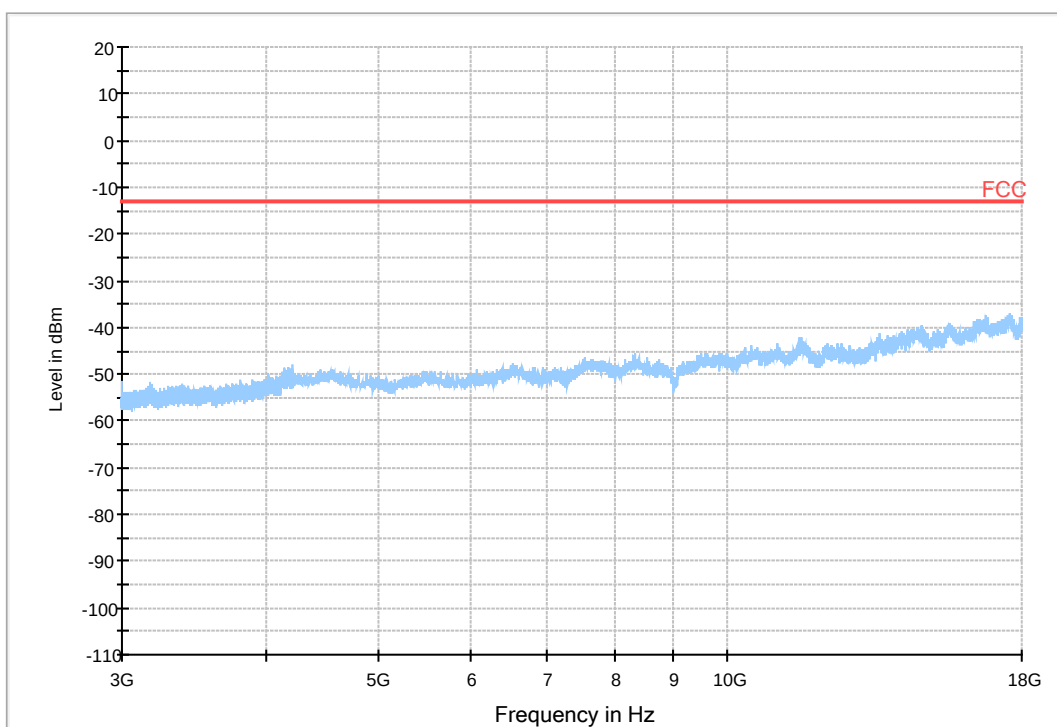
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 WCDMA850_L

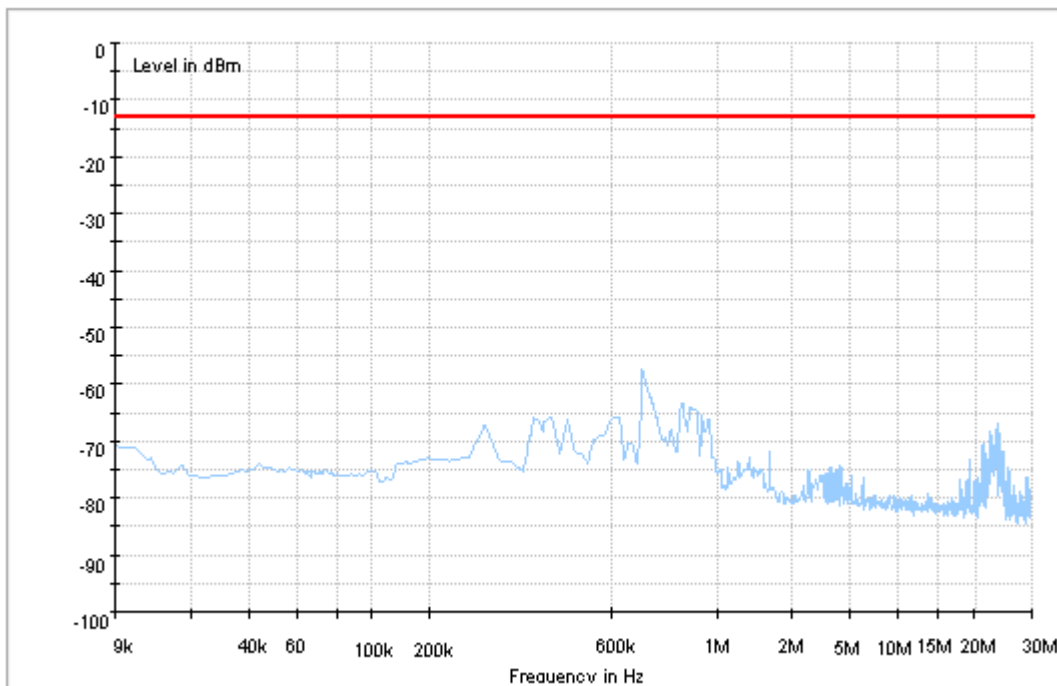


Copy of FCC PART22 WCDMA850_H

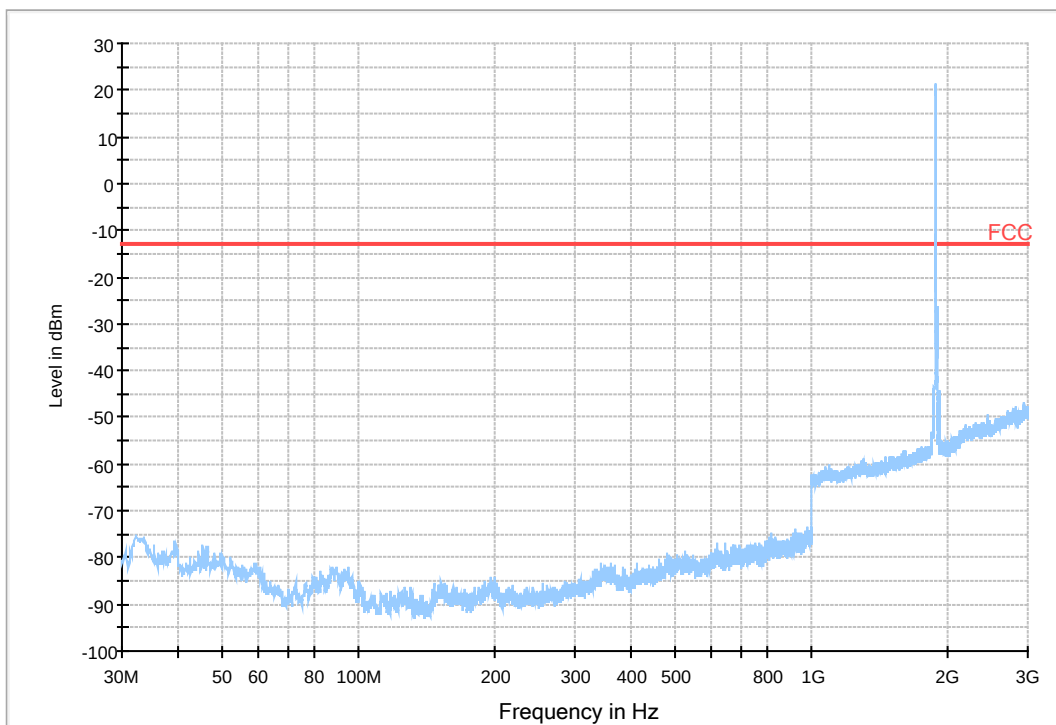


7.2.2 Test Band = WCDMA1900

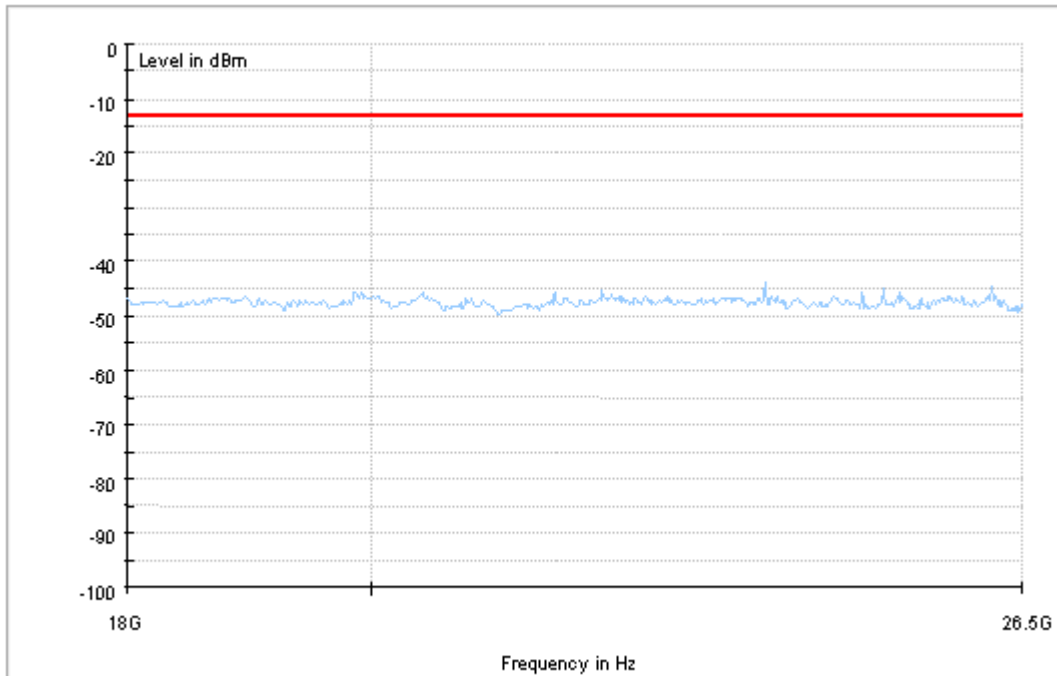
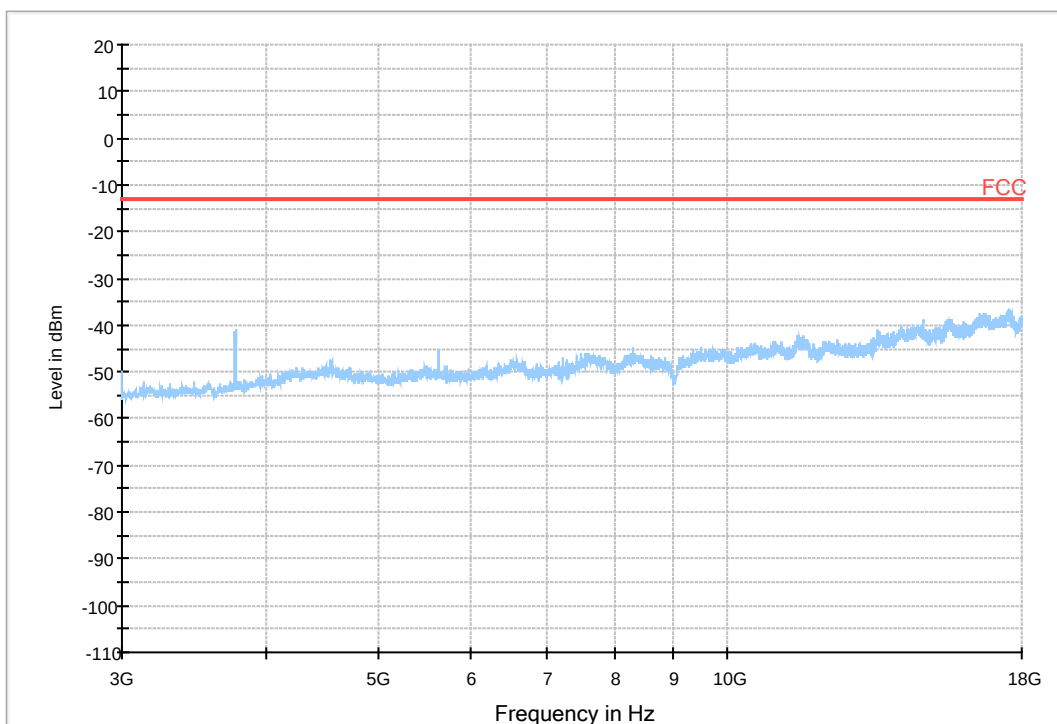
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 WCDMA1900_L

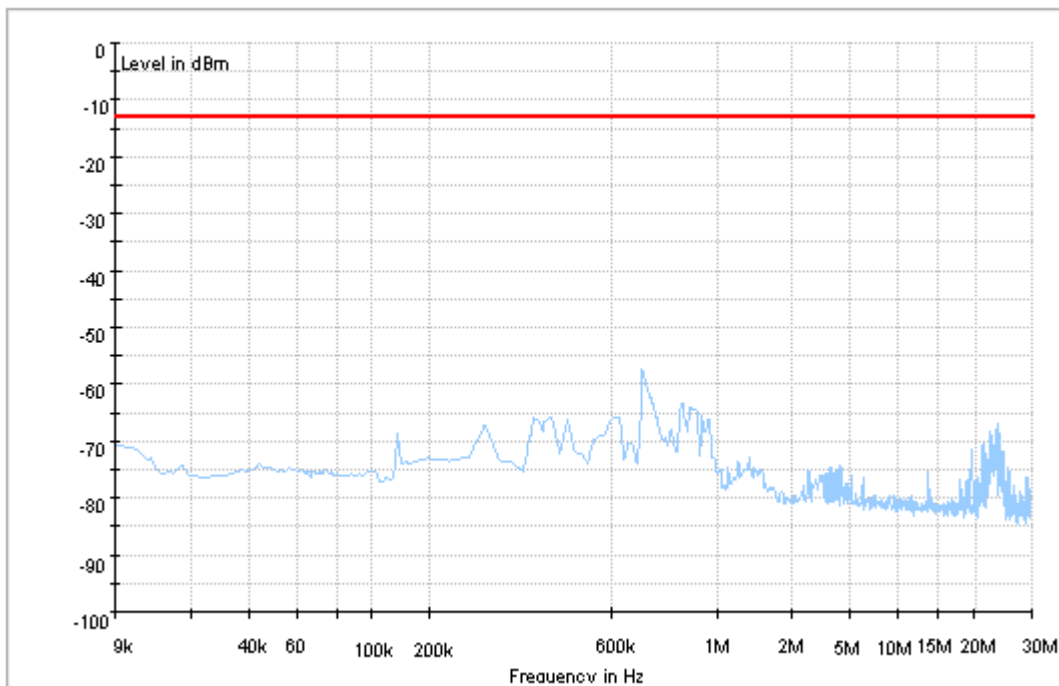


Copy of FCC PART24 WCDMA1900_H

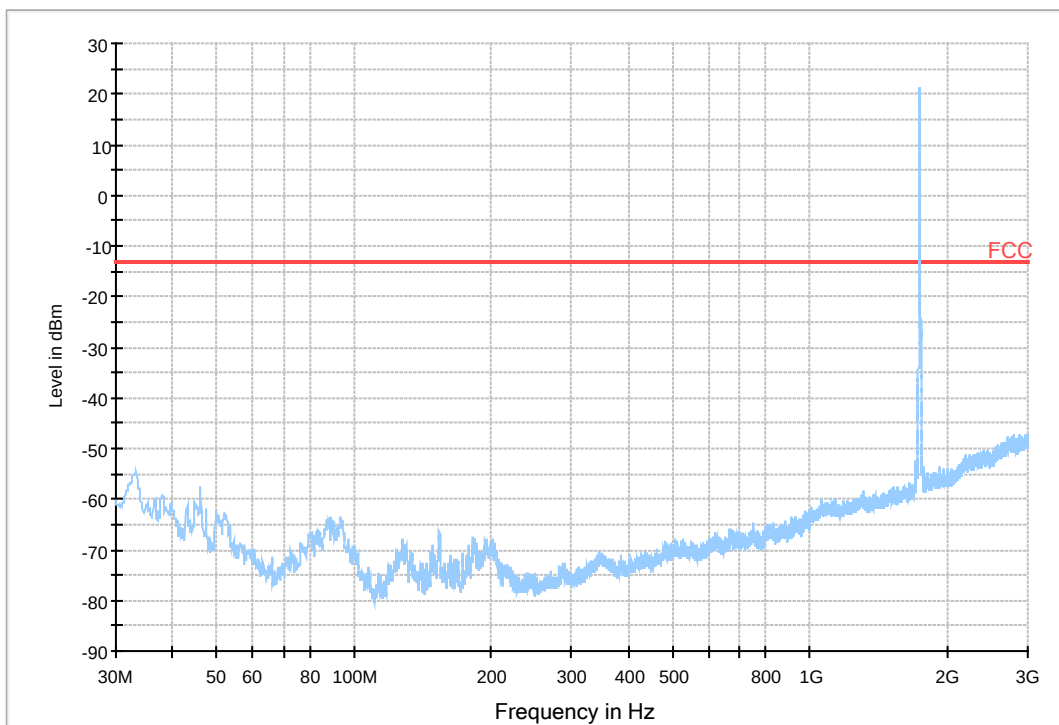


7.2.3 Test Band = WCDMA1700

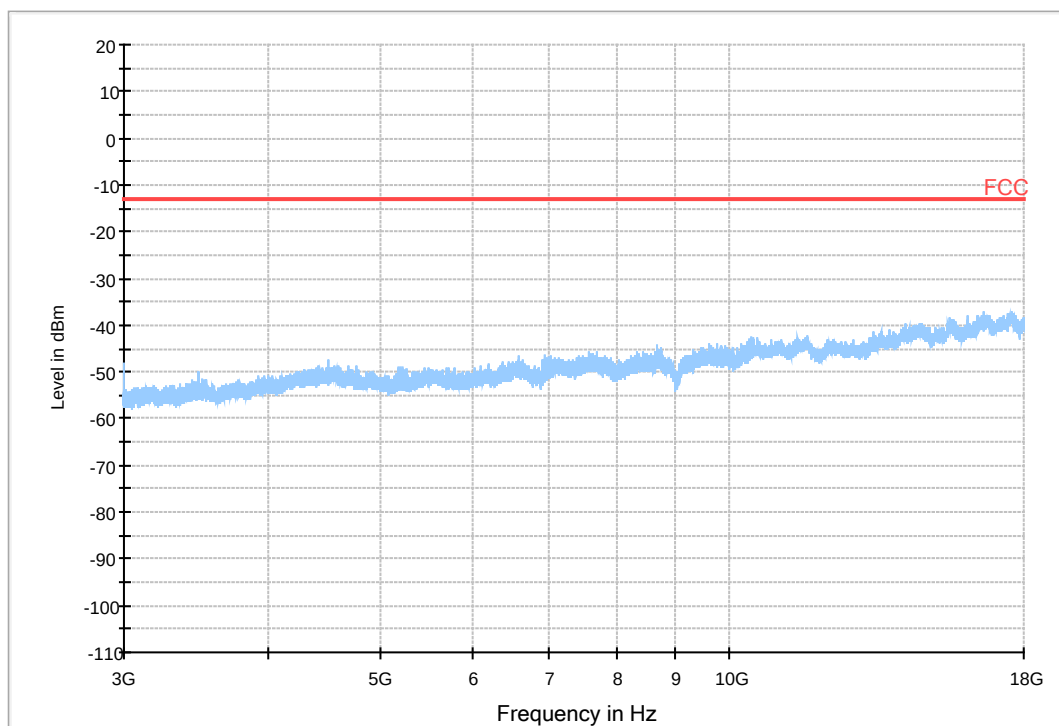
7.2.3.1 Test Mode = UMTS/TM1



Copy of FCC PART27 WCDMA1700_L



Copy of FCC PART27 WCDMA1700_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]	Verdict
GSM850	GSM/TM1	LCH	TN	VL	-13.69	-0.01661	PASS
				VN	-7.94	-0.00963	PASS
				VH	-12.07	-0.01464	PASS
		MCH	TN	VL	-11.88	-0.0142	PASS
				VN	-12.79	-0.01529	PASS
				VH	-10.85	-0.01297	PASS
		HCH	TN	VL	-12.85	-0.01514	PASS
				VN	-10.27	-0.0121	PASS
				VH	-16.08	-0.01894	PASS
	GSM/TM2	LCH	TN	VL	0.68	0.00083	PASS
				VN	2.87	0.00348	PASS
				VH	6.49	0.00787	PASS
		MCH	TN	VL	1.1	0.00131	PASS
				VN	0.71	0.00085	PASS
				VH	3.07	0.00367	PASS
		HCH	TN	VL	7.78	0.00917	PASS
				VN	7.23	0.00852	PASS
				VH	6.75	0.00795	PASS
GSM1900	GSM/TM1	LCH	TN	VL	11.3	0.00611	PASS
				VN	13.24	0.00716	PASS
				VH	13.37	0.00723	PASS
		MCH	TN	VL	8.2	0.00436	PASS
				VN	10.72	0.0057	PASS
				VH	11.88	0.00632	PASS
		HCH	TN	VL	9.17	0.0048	PASS
				VN	12.79	0.0067	PASS
				VH	9.17	0.0048	PASS
	GSM/TM2	LCH	TN	VL	22.86	0.01236	PASS
				VN	27.18	0.01469	PASS
				VH	21.41	0.01157	PASS

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		MCH	TN	VL	26.67	0.01419	PASS
				VN	28.41	0.01511	PASS
				VH	21.15	0.01125	PASS
		HCH	TN	VL	34.32	0.01797	PASS
				VN	39.23	0.02054	PASS
				VH	43.59	0.02282	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	-11.49	-0.01394	PASS
				-20	-11.95	-0.0145	PASS
				-10	-14.4	-0.01747	PASS
				0	-13.69	-0.01661	PASS
				10	-15.69	-0.01904	PASS
				20	-13.37	-0.01622	PASS
				30	-13.24	-0.01606	PASS
				40	-15.05	-0.01826	PASS
				50	-14.4	-0.01747	PASS
		MCH	VN	-30	-12.59	-0.01505	PASS
				-20	-13.24	-0.01583	PASS
				-10	-13.24	-0.01583	PASS
				0	-13.5	-0.01614	PASS
				10	-14.14	-0.0169	PASS
				20	-8.72	-0.01042	PASS
				30	-12.01	-0.01436	PASS
				40	-6.91	-0.00826	PASS
				50	-10.85	-0.01297	PASS
		HCH	VN	-30	-10.01	-0.01179	PASS
				-20	-12.79	-0.01507	PASS
				-10	-13.17	-0.01552	PASS
				0	-11.95	-0.01408	PASS
				10	-7.23	-0.00852	PASS
				20	-8.33	-0.00981	PASS
				30	-12.66	-0.01492	PASS
				40	-8.2	-0.00966	PASS
				50	-15.82	-0.01864	PASS
	GSM/TM2	LCH	VN	-30	10.85	0.01316	PASS
				-20	11.27	0.01367	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-10	12.53	0.0152	PASS
				0	7.3	0.00886	PASS
				10	12.56	0.01524	PASS
				20	7.52	0.00912	PASS
				30	10.56	0.01281	PASS
				40	13.01	0.01579	PASS
				50	10.75	0.01304	PASS
		MCH	VN	-30	3.97	0.00475	PASS
				-20	3.03	0.00362	PASS
				-10	1.9	0.00227	PASS
				0	-18.56	-0.02219	PASS
				10	-34.09	-0.04075	PASS
				20	-38	-0.04542	PASS
				30	-35.55	-0.04249	PASS
				40	-38.55	-0.04608	PASS
				50	-32.48	-0.03882	PASS
		HCH	VN	-30	-26.7	-0.03146	PASS
				-20	-29.19	-0.03439	PASS
				-10	-30.8	-0.03629	PASS
				0	-31.7	-0.03735	PASS
				10	-28.44	-0.03351	PASS
				20	-31.12	-0.03666	PASS
				30	-34.16	-0.04025	PASS
				40	-33.64	-0.03963	PASS
				50	-33.03	-0.03891	PASS
GSM1900	GSM/TM1	LCH	VN	-30	16.14	0.00872	PASS
				-20	18.27	0.00987	PASS
				-10	16.4	0.00886	PASS
				0	14.08	0.00761	PASS
				10	18.4	0.00994	PASS
				20	19.37	0.01047	PASS
				30	23.25	0.01257	PASS
				40	17.05	0.00922	PASS
				50	12.07	0.00652	PASS
		MCH	VN	-30	9.62	0.00512	PASS
				-20	9.17	0.00488	PASS
				-10	3.81	0.00203	PASS
				0	5.75	0.00306	PASS
				10	3.68	0.00196	PASS
				20	4.84	0.00257	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				30	1.94	0.00103	PASS
				40	0.06	0.00003	PASS
				50	7.68	0.00409	PASS
		HCH	VN	-30	13.75	0.0072	PASS
				-20	14.98	0.00784	PASS
				-10	12.53	0.00656	PASS
				0	11.62	0.00608	PASS
				10	9.1	0.00476	PASS
				20	9.23	0.00483	PASS
				30	12.59	0.00659	PASS
				40	11.95	0.00626	PASS
				50	12.53	0.00656	PASS
	GSM/TM2	LCH	VN	-30	42.55	0.023	PASS
				-20	36.77	0.01987	PASS
				-10	40.07	0.02166	PASS
				0	40.81	0.02206	PASS
				10	42.26	0.02284	PASS
				20	42.55	0.023	PASS
				30	36.84	0.01991	PASS
				40	33.67	0.0182	PASS
				50	29.93	0.01618	PASS
		MCH	VN	-30	39.49	0.02101	PASS
				-20	34.55	0.01838	PASS
				-10	38.84	0.02066	PASS
				0	41.42	0.02203	PASS
				10	39.84	0.02119	PASS
				20	37.81	0.02011	PASS
				30	37.35	0.01987	PASS
				40	38.45	0.02045	PASS
				50	44.68	0.02377	PASS
		HCH	VN	-30	36.84	0.01929	PASS
				-20	44.59	0.02335	PASS
				-10	40.23	0.02107	PASS
				0	38.84	0.02034	PASS
				10	45.78	0.02397	PASS
				20	46.46	0.02433	PASS
				30	42.81	0.02242	PASS
				40	45.68	0.02392	PASS
				50	48.56	0.02543	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	-3.48	-0.00421	PASS
				VN	0.55	0.00067	PASS
				VH	-5.87	-0.0071	PASS
		MCH	TN	VL	-10.21	-0.01221	PASS
				VN	6.12	0.00732	PASS
				VH	3.78	0.00452	PASS
		HCH	TN	VL	-5.16	-0.00609	PASS
				VN	0.76	0.0009	PASS
				VH	-11.95	-0.01412	PASS
WCDMA1900	UMTS/TM1	LCH	TN	VL	-5.34	-0.00288	PASS
				VN	-5.34	-0.00288	PASS
				VH	2.17	0.00117	PASS
		MCH	TN	VL	10.1	0.00537	PASS
				VN	7.51	0.00399	PASS
				VH	-6.48	-0.00345	PASS
		HCH	TN	VL	-21.26	-0.01114	PASS
				VN	-2.91	-0.00153	PASS
				VH	-25.7	-0.01347	PASS
WCDMA1700	UMTS/TM1	LCH	TN	VL	-3.75	-0.00219	PASS
				VN	8.36	0.00488	PASS
				VH	16.24	0.00948	PASS
		MCH	TN	VL	-5.22	-0.00301	PASS
				VN	3.14	0.00181	PASS
				VH	8.32	0.0048	PASS
		HCH	TN	VL	-10.06	-0.00574	PASS
				VN	-4.84	-0.00276	PASS
				VH	-12.76	-0.00728	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	2.2	0.00266	PASS
				-20	-3.52	-0.00426	PASS
				-10	2.03	0.00246	PASS
				0	6.5	0.00787	PASS
				10	-5.04	-0.0061	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				20	-6.16	-0.00745	PASS
				30	-6.3	-0.00762	PASS
				40	-1.17	-0.00142	PASS
				50	-2.15	-0.0026	PASS
		MCH	VN	-30	-2.04	-0.00244	PASS
				-20	-7.19	-0.0086	PASS
				-10	-4.94	-0.00591	PASS
				0	-2.53	-0.00302	PASS
				10	10.73	0.01283	PASS
				20	-1.45	-0.00173	PASS
				30	-7.93	-0.00948	PASS
				40	-2.04	-0.00244	PASS
				50	-6.2	-0.00741	PASS
		HCH	VN	-30	-2.61	-0.00308	PASS
				-20	-8.16	-0.00964	PASS
				-10	0.56	0.00066	PASS
				0	-5.2	-0.00614	PASS
				10	-19.67	-0.02323	PASS
				20	-13.37	-0.01579	PASS
				30	-10.79	-0.01275	PASS
				40	-2.43	-0.00287	PASS
				50	-5.58	-0.00659	PASS
WCDMA1900	UMTS/TM1	LCH	VN	-30	3.22	0.00174	PASS
				-20	0.82	0.00044	PASS
				-10	-2.12	-0.00114	PASS
				0	1.89	0.00102	PASS
				10	3.88	0.00209	PASS
				20	0.35	0.00019	PASS
				30	-4.91	-0.00265	PASS
				40	0.05	0.00003	PASS
				50	-12.45	-0.00672	PASS
		MCH	VN	-30	-2.59	-0.00138	PASS
				-20	2.17	0.00115	PASS
				-10	5.89	0.00313	PASS
				0	-13.75	-0.00731	PASS
				10	-7.84	-0.00417	PASS
				20	8.85	0.00471	PASS
				30	2.76	0.00147	PASS
				40	13.03	0.00693	PASS
				50	14.01	0.00745	PASS

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		HCH	VN	-30	-2.41	-0.00126	PASS
				-20	4.53	0.00237	PASS
				-10	-9.29	-0.00487	PASS
				0	-3.63	-0.0019	PASS
				10	-17.18	-0.00901	PASS
				20	-28.11	-0.01474	PASS
				30	-3.78	-0.00198	PASS
				40	-2.61	-0.00137	PASS
				50	-3.01	-0.00158	PASS
WCDMA1700	UMTS/TM1	LCH	VN	-30	1.86	0.00109	PASS
				-20	-1.4	-0.00082	PASS
				-10	24.17	0.01411	PASS
				0	3.78	0.00221	PASS
				10	21.01	0.01227	PASS
				20	8.93	0.00521	PASS
				30	6.07	0.00354	PASS
				40	9.37	0.00547	PASS
				50	13.7	0.008	PASS
		MCH	VN	-30	-1.07	-0.00062	PASS
				-20	3.34	0.00193	PASS
				-10	-6.16	-0.00356	PASS
				0	4.43	0.00256	PASS
				10	-1.4	-0.00081	PASS
				20	2.66	0.00154	PASS
				30	2.09	0.00121	PASS
				40	0.7	0.0004	PASS
				50	0.64	0.00037	PASS
		HCH	VN	-30	-7.25	-0.00414	PASS
				-20	-17.76	-0.01013	PASS
				-10	-5.45	-0.00311	PASS
				0	-4.35	-0.00248	PASS
				10	-14.77	-0.00843	PASS
				20	-10.7	-0.00611	PASS
				30	-3.6	-0.00205	PASS
				40	-16.69	-0.00952	PASS
				50	-10.28	-0.00587	PASS

END