Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	33.1	30.59	38.5	PASS
		MCH	32.89	30.38	38.5	PASS
		HCH	32.76	30.25	38.5	PASS
	GSM/TM2	LCH	26.95	24.44	38.5	PASS
		MCH	26.86	24.35	38.5	PASS
		HCH	26.84	24.33	38.5	PASS
Test Band	**Test Mode**	**Test Channel**	**Conducted Power [dBm]**	**EIRP [dBm]**	**Limit [dBm]**	**Verdict**
GSM1900	GSM/TM1	LCH	29.72	30.17	33	PASS
		MCH	29.81	30.26	33	PASS
		HCH	29.68	30.13	33	PASS
	GSM/TM2	LCH	25.6	26.05	33	PASS
		MCH	25.58	26.03	33	PASS
		HCH	25.55	26	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND7	LTE/TM1	5	LCH	RB1#0	22.42	23.01	33	PASS
				RB1#13	22.35	22.94	33	PASS
				RB1#24	22.35	22.94	33	PASS
				RB12#0	21.55	22.14	33	PASS
				RB12#6	21.52	22.11	33	PASS
				RB12#13	21.58	22.17	33	PASS
				RB25#0	21.47	22.06	33	PASS
			MCH	RB1#0	22.05	22.64	33	PASS
				RB1#13	22.04	22.63	33	PASS
				RB1#24	22.03	22.62	33	PASS
				RB12#0	21.02	21.61	33	PASS

				RB12#6	21.15	21.74	33	PASS
				RB12#13	21.06	21.65	33	PASS
				RB25#0	21.22	21.81	33	PASS
			HCH	RB1#0	22.13	22.72	33	PASS
				RB1#13	22.08	22.67	33	PASS
				RB1#24	22.18	22.77	33	PASS
				RB12#0	21.22	21.81	33	PASS
				RB12#6	21.1	21.69	33	PASS
				RB12#13	21.12	21.71	33	PASS
				RB25#0	21.2	21.79	33	PASS
		10	LCH	RB1#0	22.38	22.97	33	PASS
				RB1#25	22.37	22.96	33	PASS
				RB1#49	22.06	22.65	33	PASS
				RB25#0	21.45	22.04	33	PASS
				RB25#13	21.55	22.14	33	PASS
				RB25#25	21.15	21.74	33	PASS
				RB50#0	21.27	21.86	33	PASS
			MCH	RB1#0	21.92	22.51	33	PASS
				RB1#25	22	22.59	33	PASS
				RB1#49	22.12	22.71	33	PASS
				RB25#0	20.96	21.55	33	PASS
				RB25#13	21.08	21.67	33	PASS
				RB25#25	21.15	21.74	33	PASS
				RB50#0	21.15	21.74	33	PASS
			HCH	RB1#0	22.14	22.73	33	PASS
				RB1#25	22.14	22.73	33	PASS
				RB1#49	22.06	22.65	33	PASS
				RB25#0	21.21	21.8	33	PASS
				RB25#13	21.09	21.68	33	PASS
				RB25#25	21.14	21.73	33	PASS
				RB50#0	21.19	21.78	33	PASS
		15	LCH	RB1#0	22.34	22.93	33	PASS
				RB1#38	22.2	22.79	33	PASS
				RB1#74	21.89	22.48	33	PASS
				RB36#0	21.46	22.05	33	PASS
				RB36#18	21.28	21.87	33	PASS
				RB36#39	21.08	21.67	33	PASS
				RB75#0	21.26	21.85	33	PASS
			MCH	RB1#0	21.89	22.48	33	PASS
				RB1#38	22.01	22.6	33	PASS
				RB1#74	22.09	22.68	33	PASS

				RB36#0	21.01	21.6	33	PASS
				RB36#18	21.12	21.71	33	PASS
				RB36#39	21.07	21.66	33	PASS
				RB75#0	21.13	21.72	33	PASS
			HCH	RB1#0	22.3	22.89	33	PASS
				RB1#38	22.25	22.84	33	PASS
				RB1#74	22.18	22.77	33	PASS
				RB36#0	21.29	21.88	33	PASS
				RB36#18	21.13	21.72	33	PASS
				RB36#39	21.13	21.72	33	PASS
				RB75#0	21.14	21.73	33	PASS
		20	LCH	RB1#0	22.43	23.02	33	PASS
				RB1#50	22.03	22.62	33	PASS
				RB1#99	22.08	22.67	33	PASS
				RB50#0	21.26	21.85	33	PASS
				RB50#25	21.1	21.69	33	PASS
				RB50#50	21.01	21.6	33	PASS
				RB100#0	21.2	21.79	33	PASS
			MCH	RB1#0	22.09	22.68	33	PASS
				RB1#50	22.11	22.7	33	PASS
				RB1#99	22.02	22.61	33	PASS
				RB50#0	21	21.59	33	PASS
				RB50#25	21.15	21.74	33	PASS
				RB50#50	21.05	21.64	33	PASS
				RB100#0	20.99	21.58	33	PASS
			HCH	RB1#0	22.12	22.71	33	PASS
				RB1#50	22.25	22.84	33	PASS
				RB1#99	22.2	22.79	33	PASS
				RB50#0	21.29	21.88	33	PASS
				RB50#25	21.27	21.86	33	PASS
				RB50#50	21.14	21.73	33	PASS
				RB100#0	21.21	21.8	33	PASS
	LTE/TM2	5	LCH	RB1#0	21.14	21.73	33	PASS
				RB1#13	21.1	21.69	33	PASS
				RB1#24	21.33	21.92	33	PASS
				RB12#0	20.47	21.06	33	PASS
				RB12#6	20.46	21.05	33	PASS
				RB12#13	20.34	20.93	33	PASS
				RB25#0	20.39	20.98	33	PASS
			MCH	RB1#0	20.91	21.5	33	PASS
				RB1#13	21.01	21.6	33	PASS

				RB1#24	21.07	21.66	33	PASS
				RB12#0	20.19	20.78	33	PASS
				RB12#6	20.29	20.88	33	PASS
				RB12#13	20.19	20.78	33	PASS
				RB25#0	20.2	20.79	33	PASS
			HCH	RB1#0	20.94	21.53	33	PASS
				RB1#13	20.94	21.53	33	PASS
				RB1#24	21.05	21.64	33	PASS
				RB12#0	20.16	20.75	33	PASS
				RB12#6	20	20.59	33	PASS
				RB12#13	20.2	20.79	33	PASS
				RB25#0	20.05	20.64	33	PASS
		10	LCH	RB1#0	21.64	22.23	33	PASS
				RB1#25	21.63	22.22	33	PASS
				RB1#49	21.17	21.76	33	PASS
				RB25#0	20.31	20.9	33	PASS
				RB25#13	20.5	21.09	33	PASS
				RB25#25	20.15	20.74	33	PASS
				RB50#0	20.26	20.85	33	PASS
			MCH	RB1#0	21.24	21.83	33	PASS
				RB1#25	21.24	21.83	33	PASS
				RB1#49	21.32	21.91	33	PASS
				RB25#0	20.11	20.7	33	PASS
				RB25#13	20.03	20.62	33	PASS
				RB25#25	20.16	20.75	33	PASS
				RB50#0	20.24	20.83	33	PASS
			HCH	RB1#0	21.03	21.62	33	PASS
				RB1#25	21.06	21.65	33	PASS
				RB1#49	21.04	21.63	33	PASS
				RB25#0	20.24	20.83	33	PASS
				RB25#13	20.02	20.61	33	PASS
				RB25#25	20.13	20.72	33	PASS
				RB50#0	20.26	20.85	33	PASS
		15	LCH	RB1#0	21.52	22.11	33	PASS
				RB1#38	21.44	22.03	33	PASS
				RB1#74	21.22	21.81	33	PASS
				RB36#0	20.49	21.08	33	PASS
				RB36#18	20.43	21.02	33	PASS
				RB36#39	20.28	20.87	33	PASS
				RB75#0	20.3	20.89	33	PASS
			MCH	RB1#0	21.21	21.8	33	PASS

				RB1#38	21.3	21.89	33	PASS
				RB1#74	21.35	21.94	33	PASS
				RB36#0	20.04	20.63	33	PASS
				RB36#18	20.1	20.69	33	PASS
				RB36#39	20.21	20.8	33	PASS
				RB75#0	20.09	20.68	33	PASS
			HCH	RB1#0	21.19	21.78	33	PASS
				RB1#38	21.03	21.62	33	PASS
				RB1#74	21.07	21.66	33	PASS
				RB36#0	20.24	20.83	33	PASS
				RB36#18	20.07	20.66	33	PASS
				RB36#39	20.12	20.71	33	PASS
				RB75#0	20.12	20.71	33	PASS
		20	LCH	RB1#0	21.62	22.21	33	PASS
				RB1#50	21.17	21.76	33	PASS
				RB1#99	21.28	21.87	33	PASS
				RB50#0	20.13	20.72	33	PASS
				RB50#25	20.1	20.69	33	PASS
				RB50#50	20.05	20.64	33	PASS
				RB100#0	20.25	20.84	33	PASS
			MCH	RB1#0	21.28	21.87	33	PASS
				RB1#50	21.29	21.88	33	PASS
				RB1#99	21.21	21.8	33	PASS
				RB50#0	20.2	20.79	33	PASS
				RB50#25	20.12	20.71	33	PASS
				RB50#50	20.14	20.73	33	PASS
				RB100#0	20.18	20.77	33	PASS
			HCH	RB1#0	21.36	21.95	33	PASS
				RB1#50	21.67	22.26	33	PASS
				RB1#99	21.53	22.12	33	PASS
				RB50#0	20.44	21.03	33	PASS
				RB50#25	20.36	20.95	33	PASS
				RB50#50	20.2	20.79	33	PASS
				RB100#0	20.29	20.88	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]

b, SGP=Signal Generator Level

Note2: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

(Void)

3Appendix_C: Modulation Characteristics

(Void)

4Appendix_D: Bandwidth

(Void)

5Appendix_E: Band Edges Compliance

(Void)

6Appendix_F: Spurious Emission at Antenna Terminal

(Void)

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

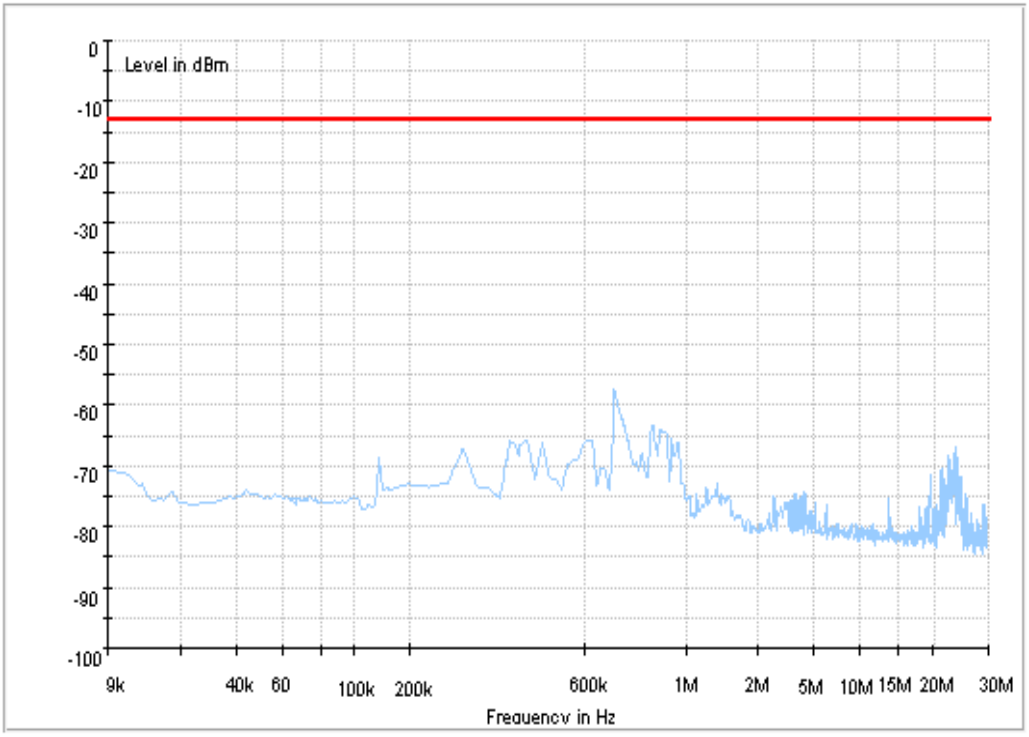
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

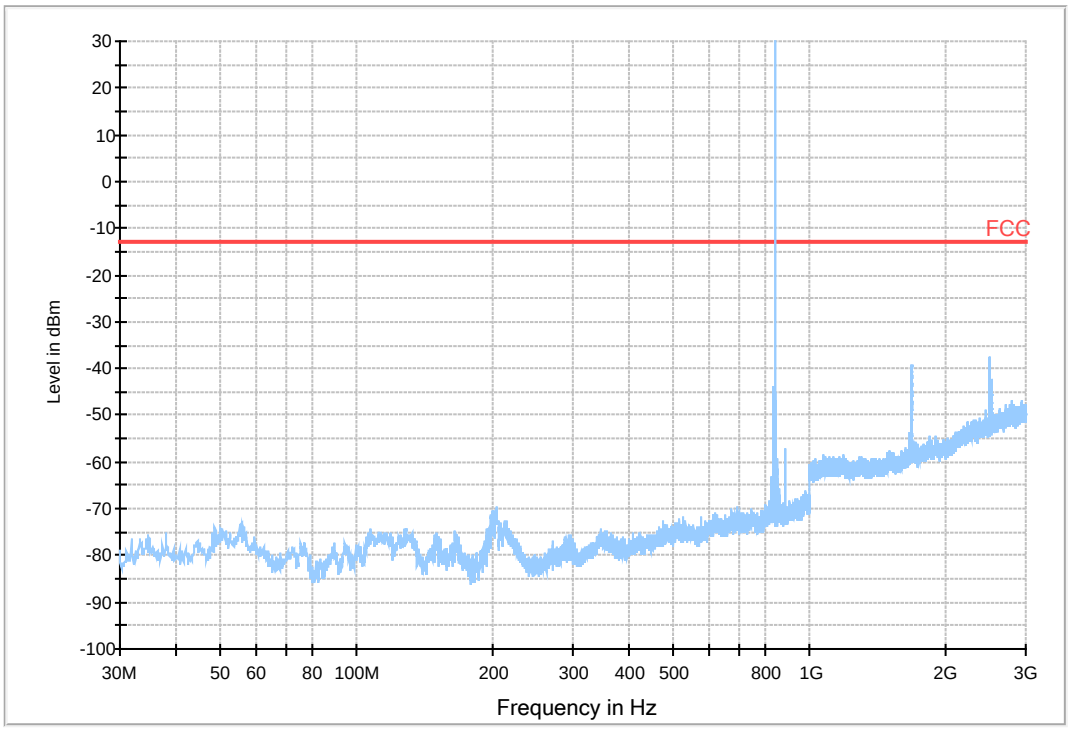
7.1 For GSM

7.1.1 Test Band = GSM850

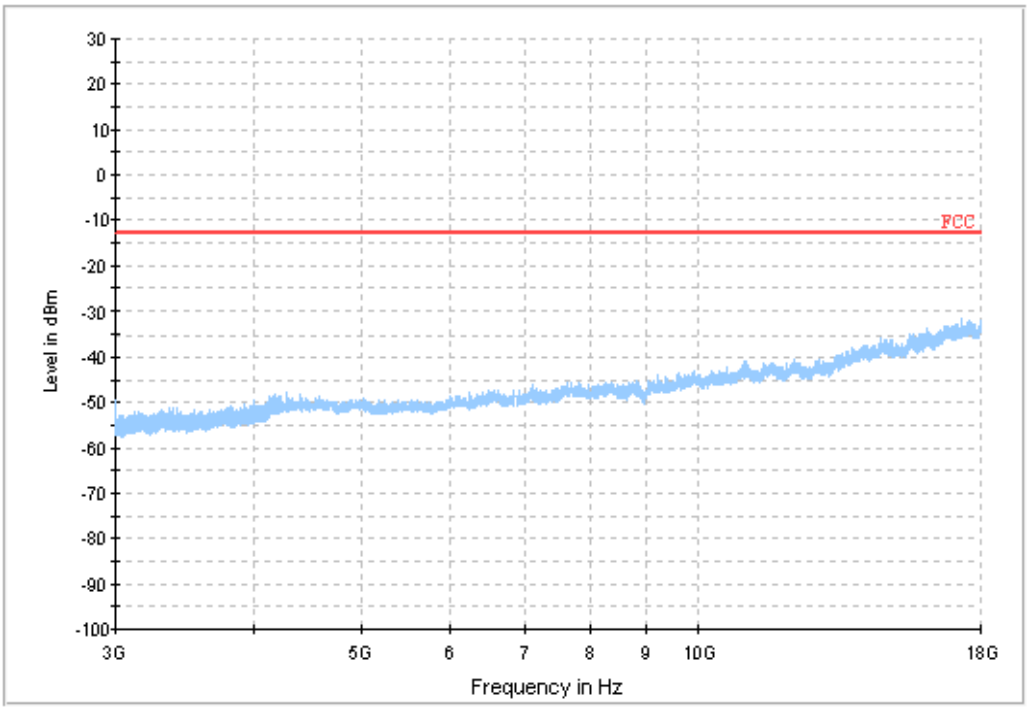
7.1.1.1 Test Mode = GSM/TM1



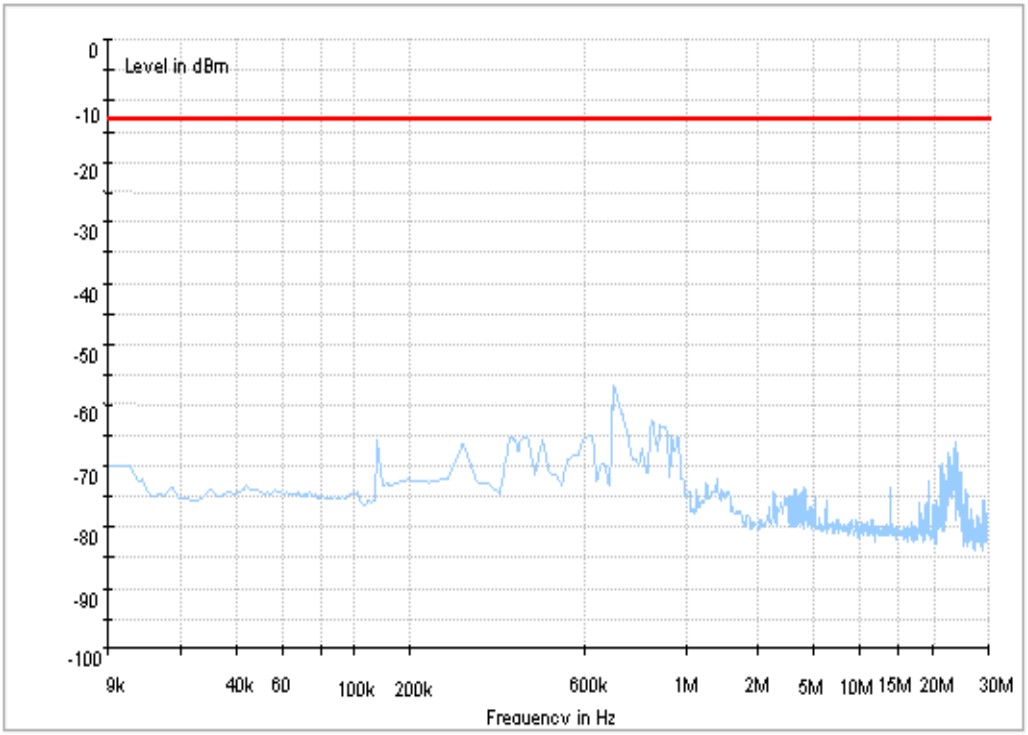
Copy of FCC PART22 GSM850_L



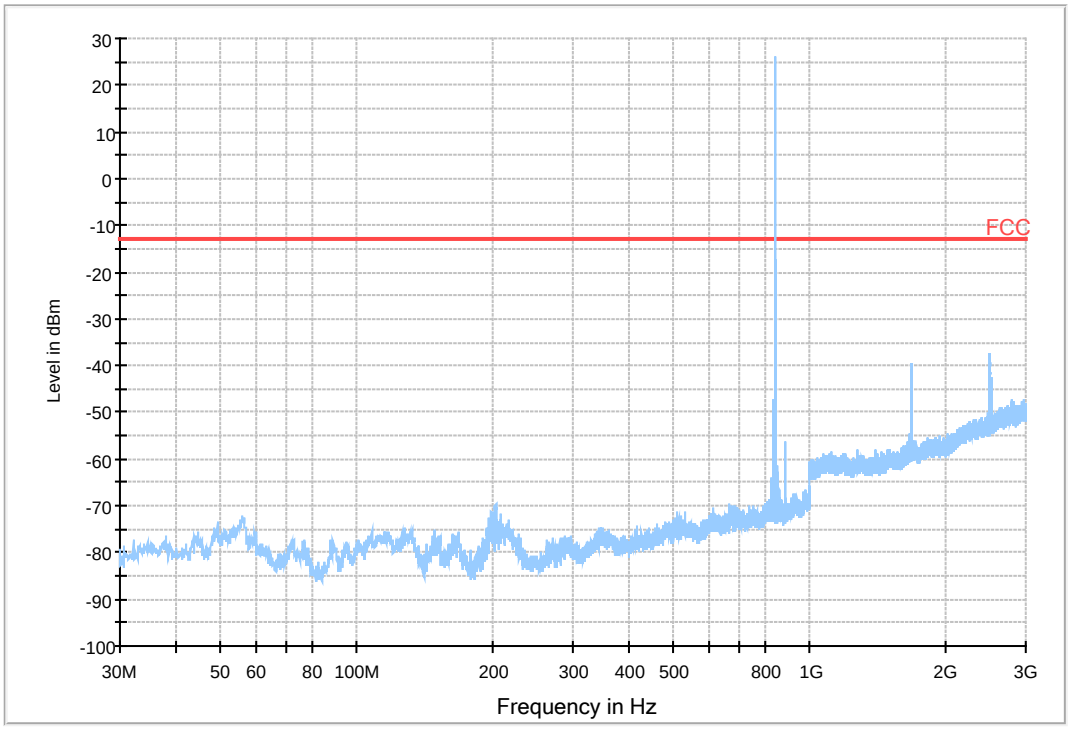
Copy of FCC PART22 GSM850_H

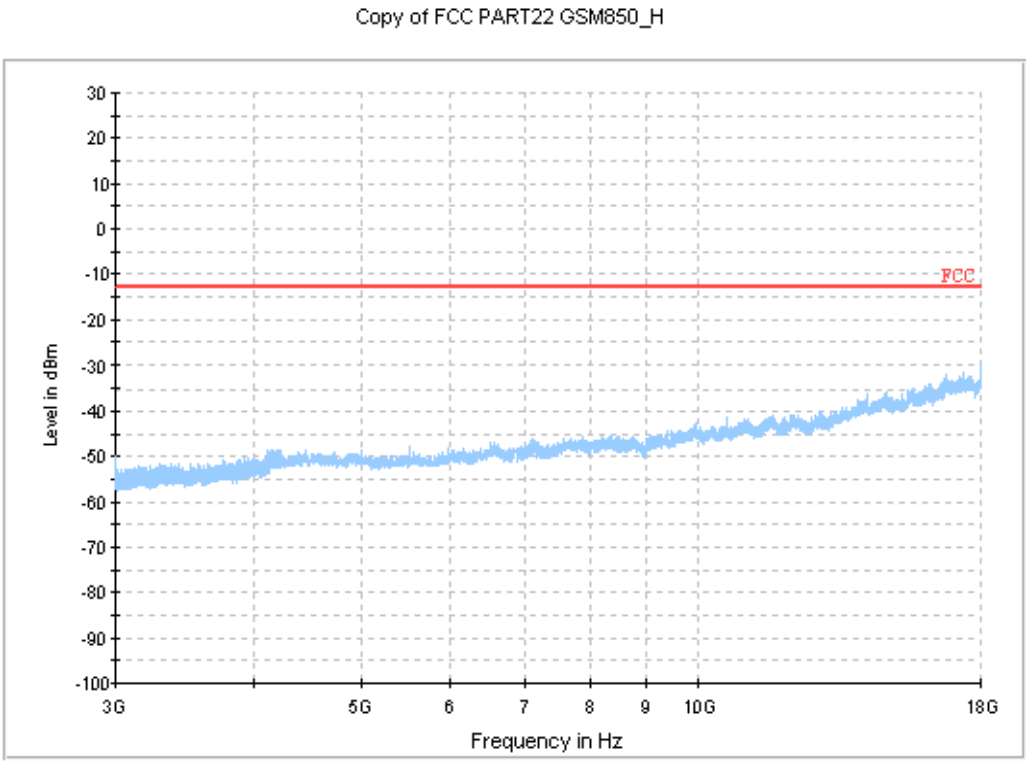


7.1.1.2 Test Mode = GSM/TM2



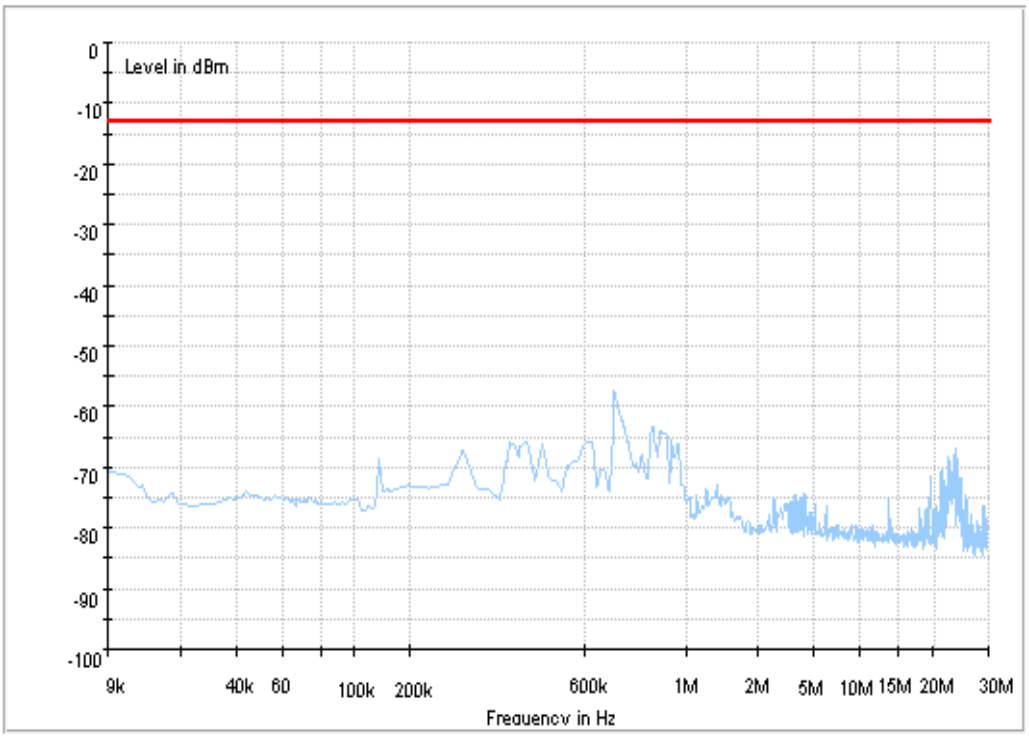
Copy of FCC PART22 GSM850_L



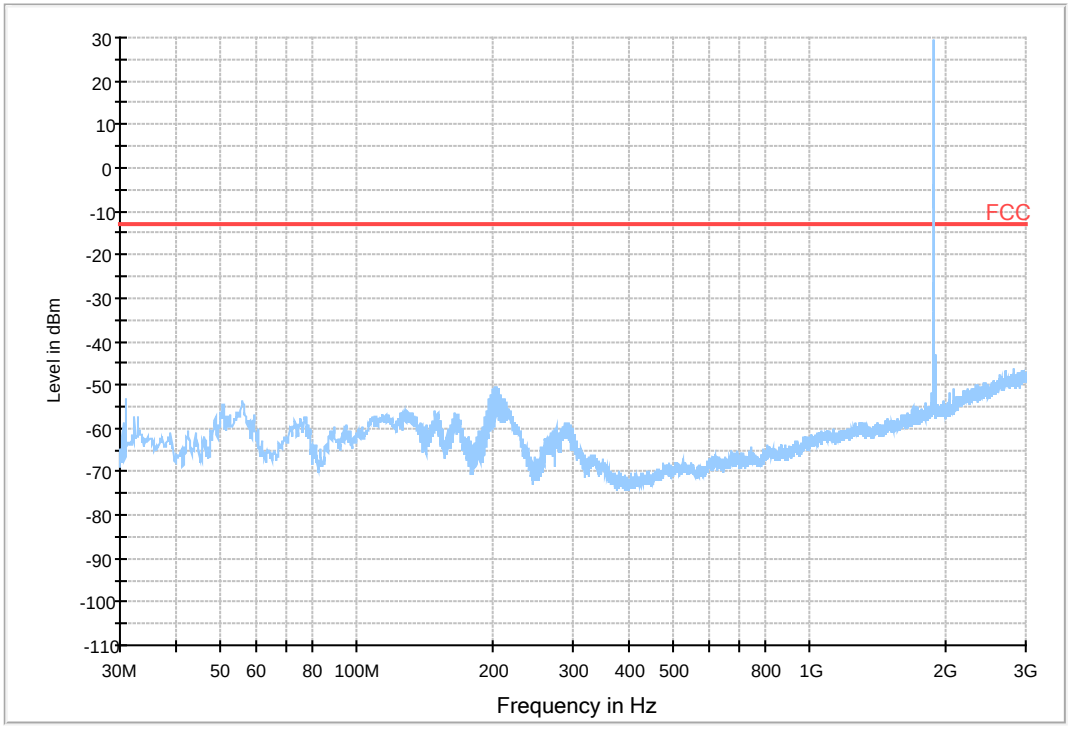


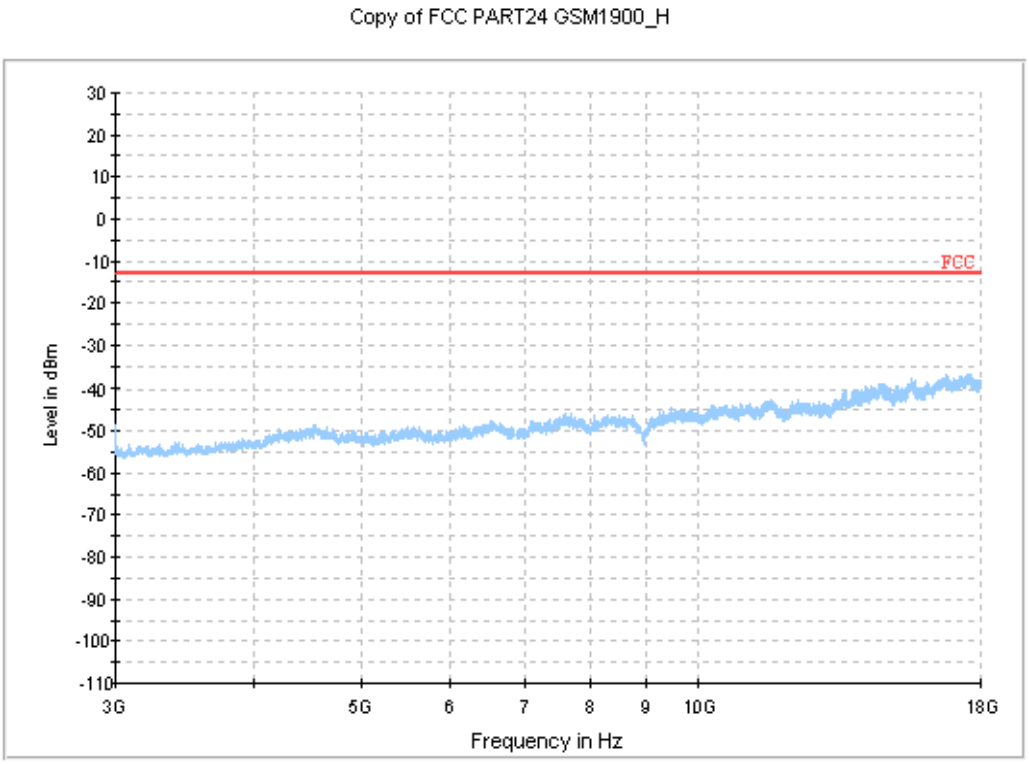
7.1.2 Test Band = GSM1900

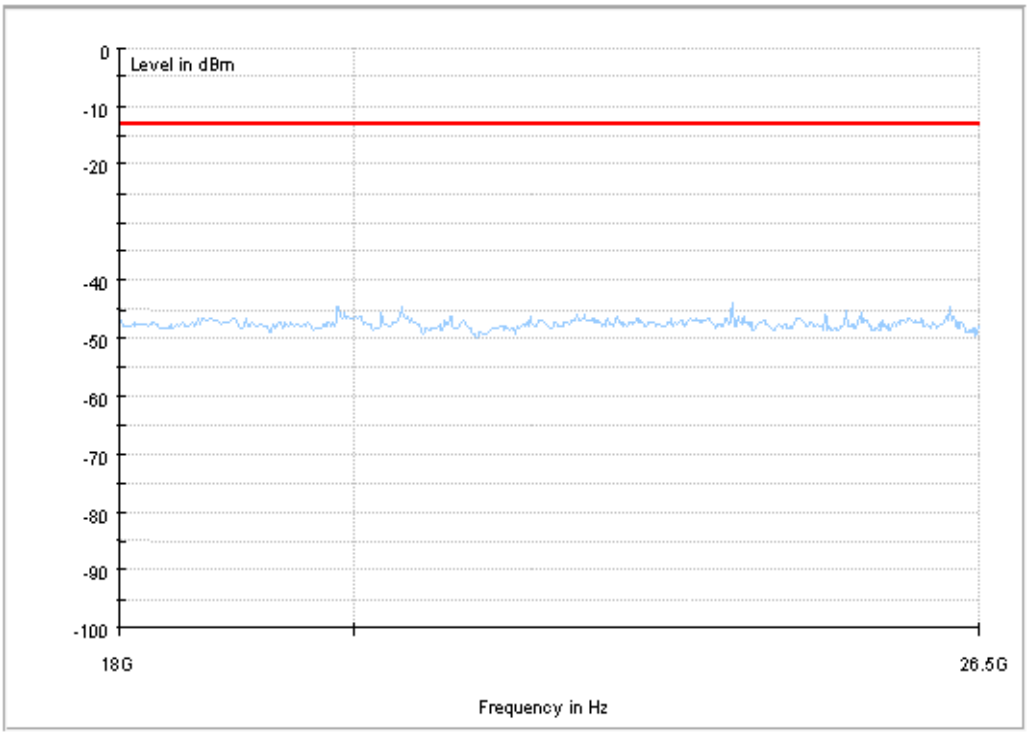
7.1.2.1 Test Mode = GSM/TM1



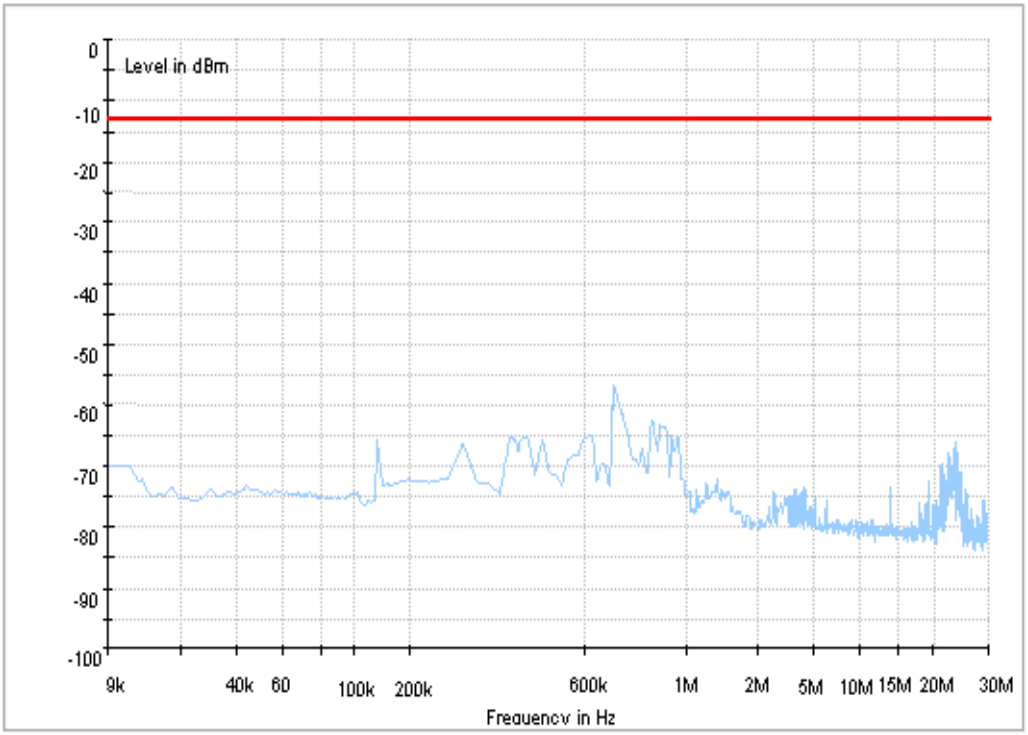
Copy of FCC PART24 GSM1900_L



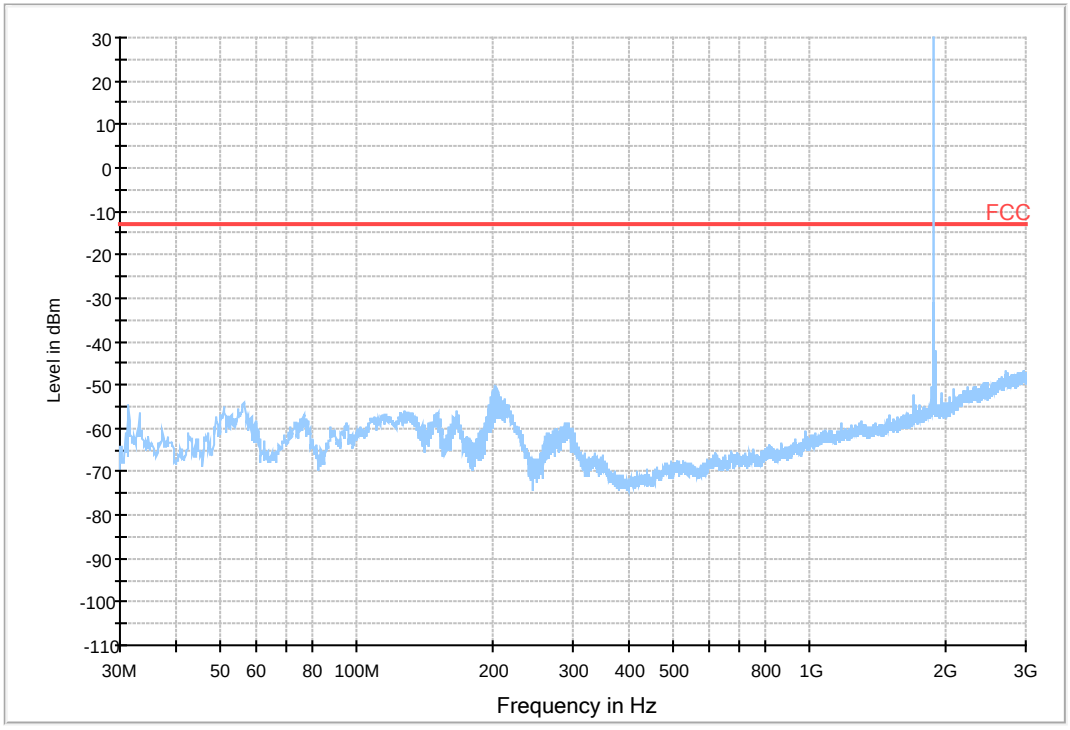




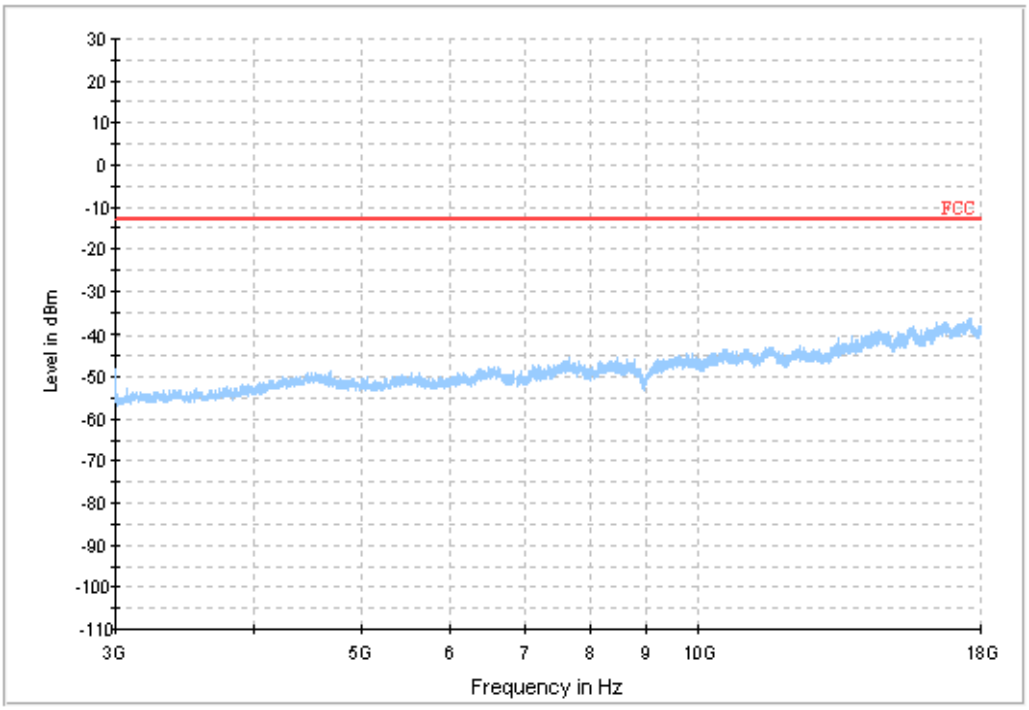
7.1.2.2 Test Mode = GSM/TM2

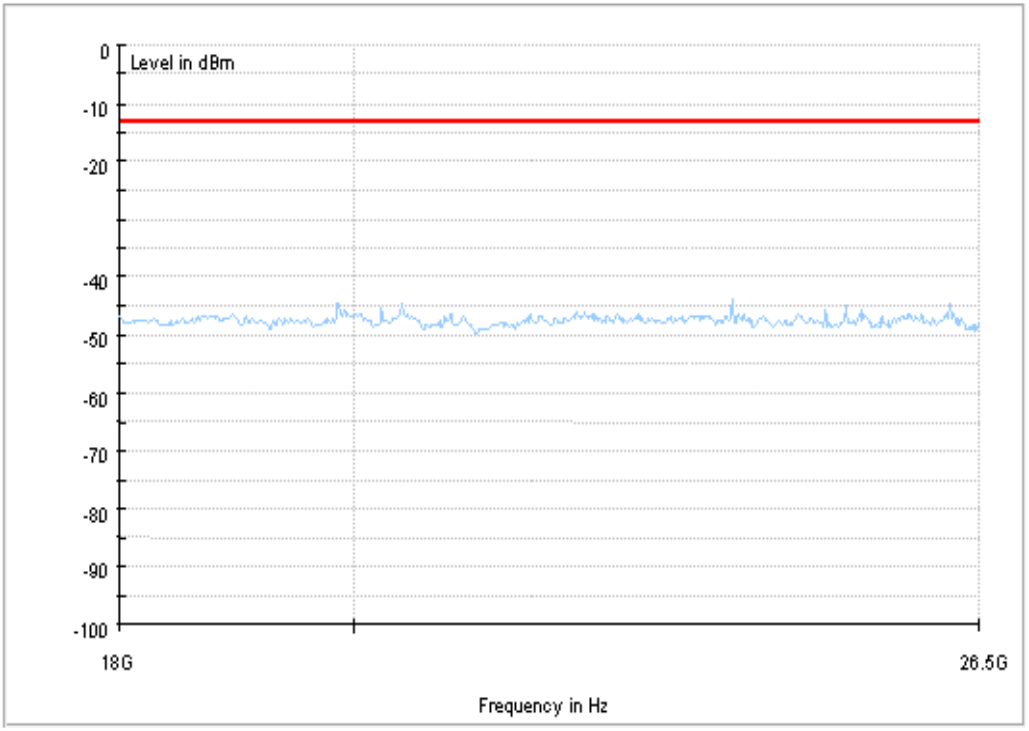


Copy of FCC PART24 GSM1900_L



Copy of FCC PART24 GSM1900_H

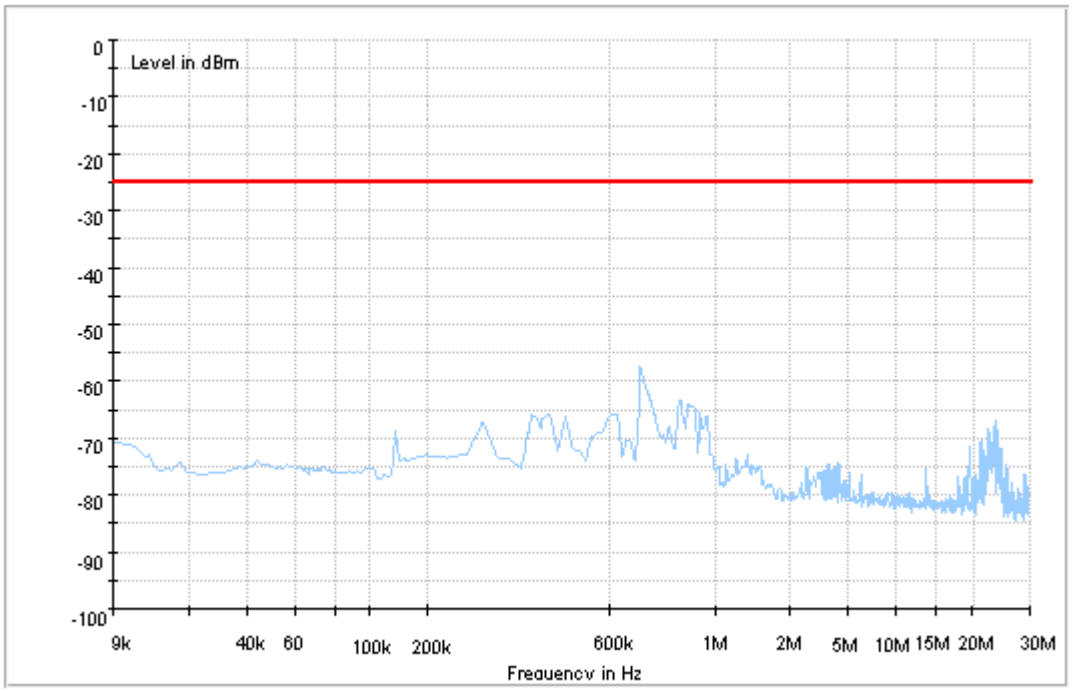




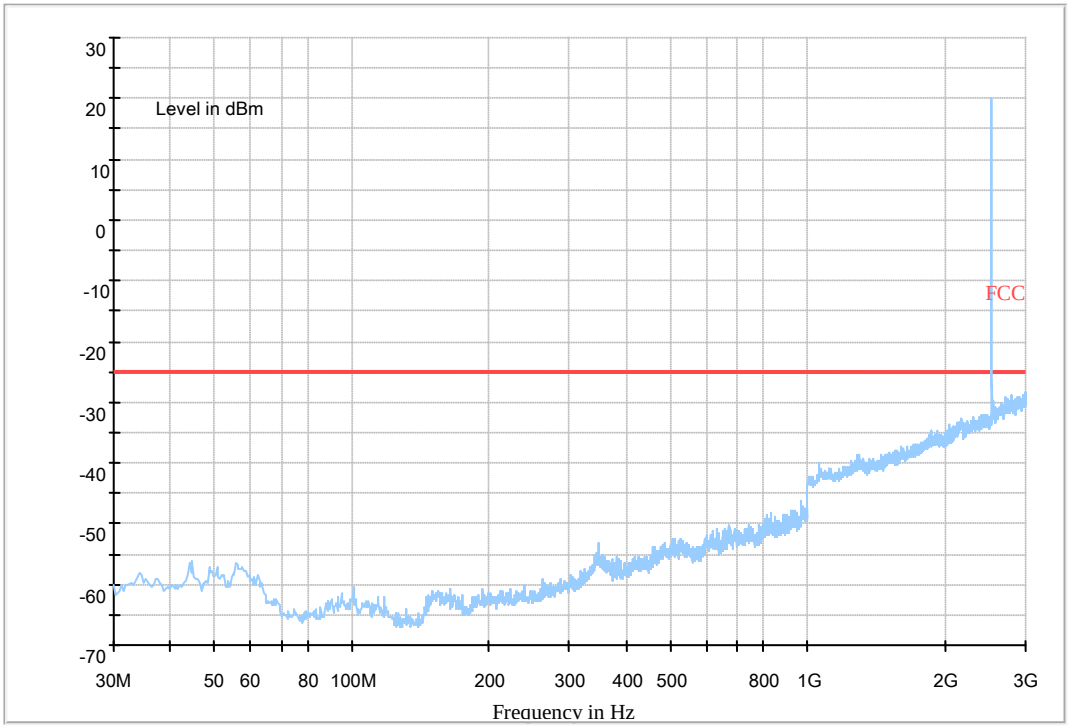
7.3 For LTE

7.3.3 Test Band = BAND7

7.3.3.1 Test Bandwidth = 5



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



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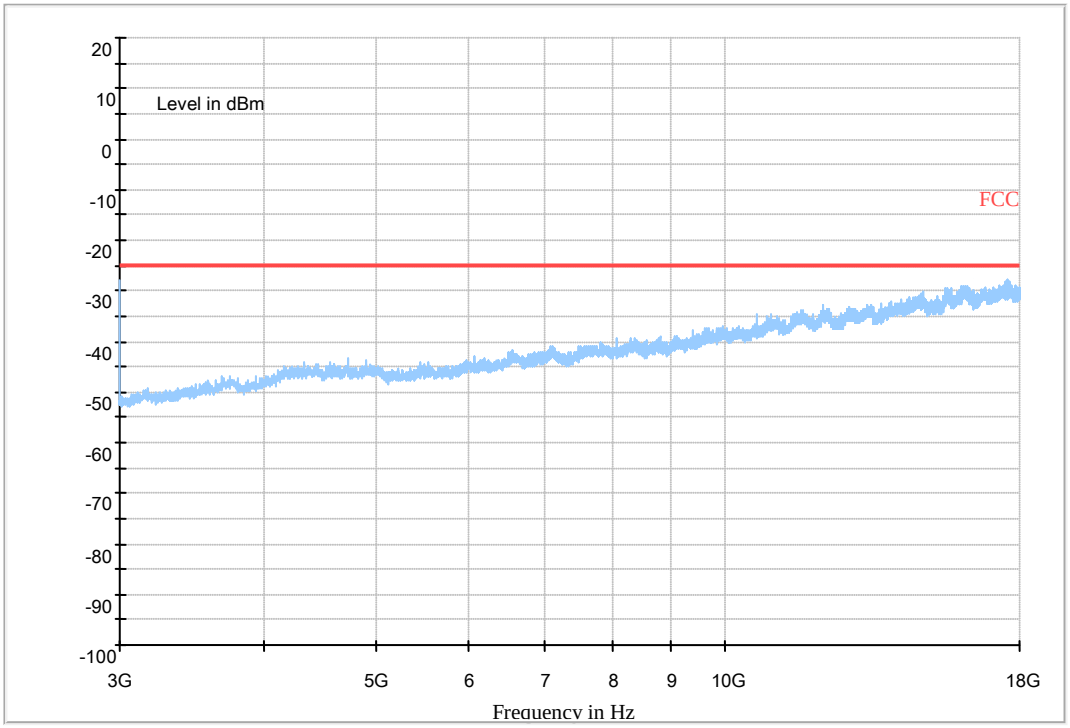
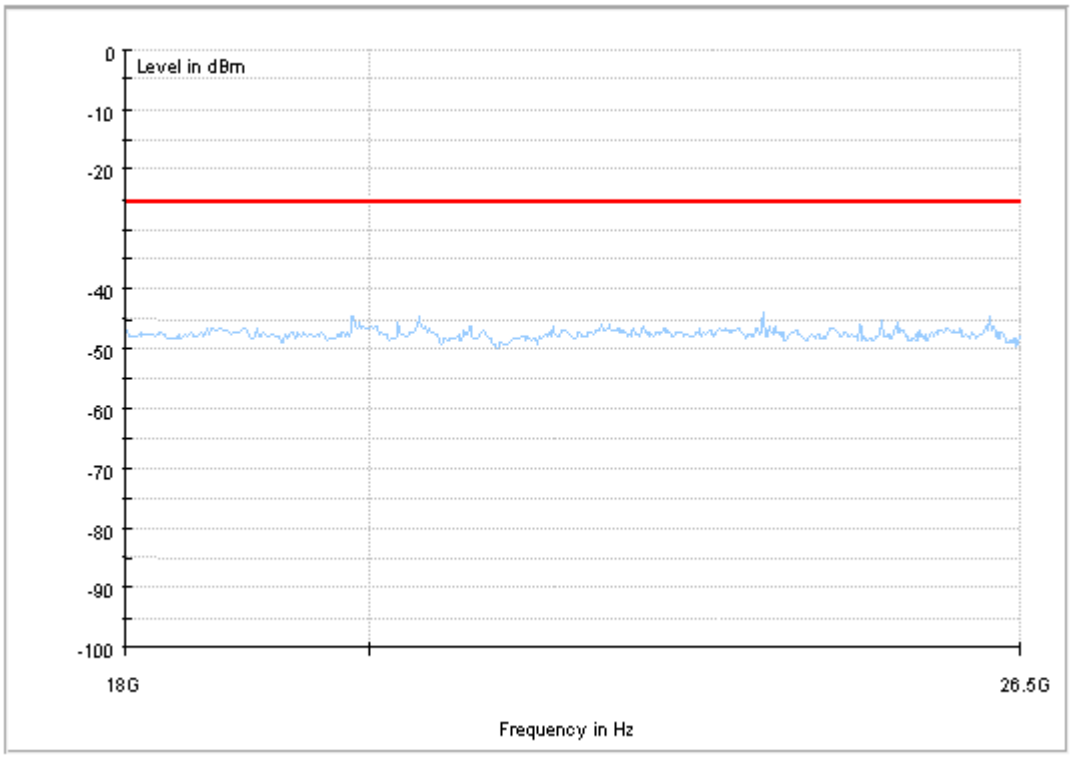
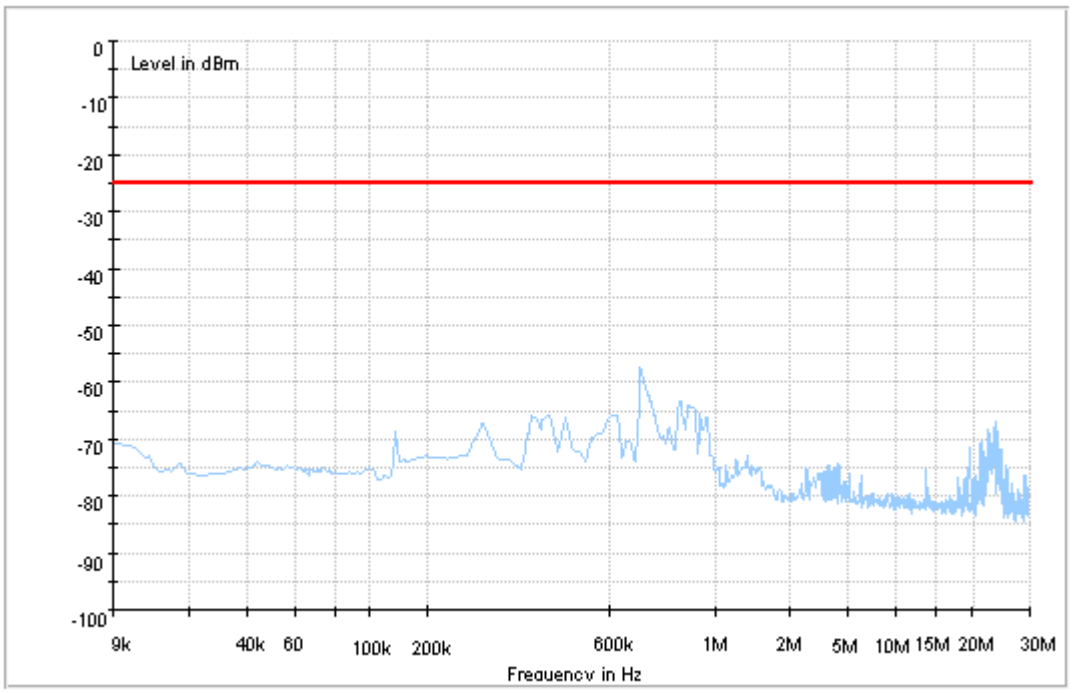
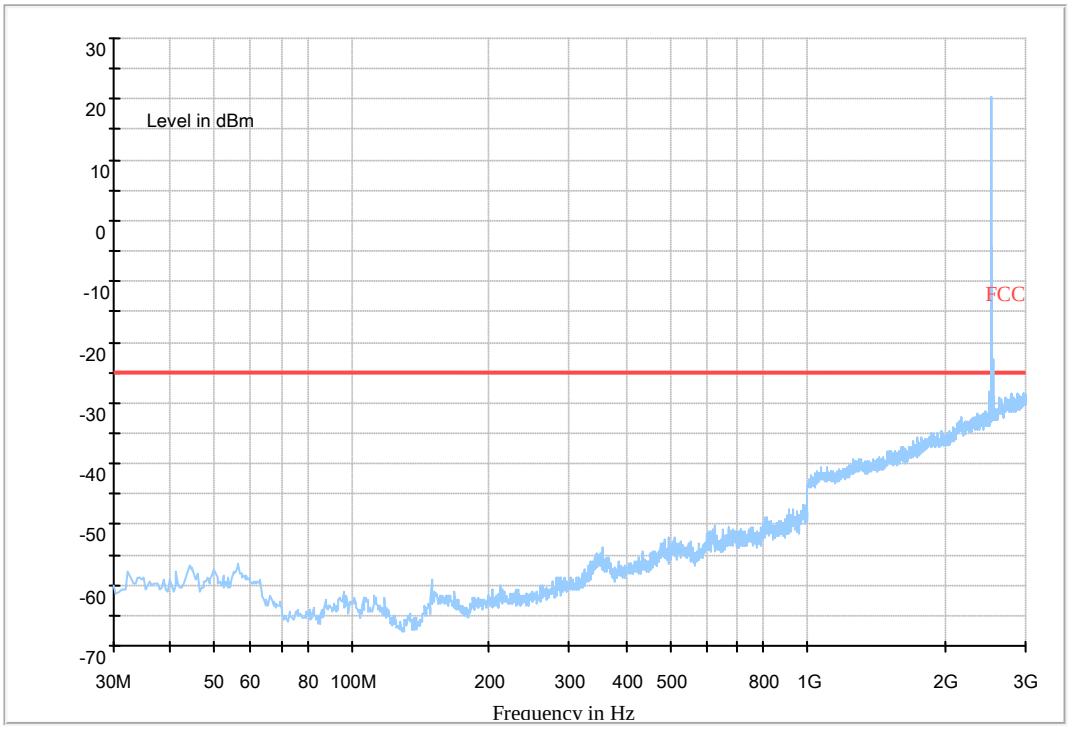




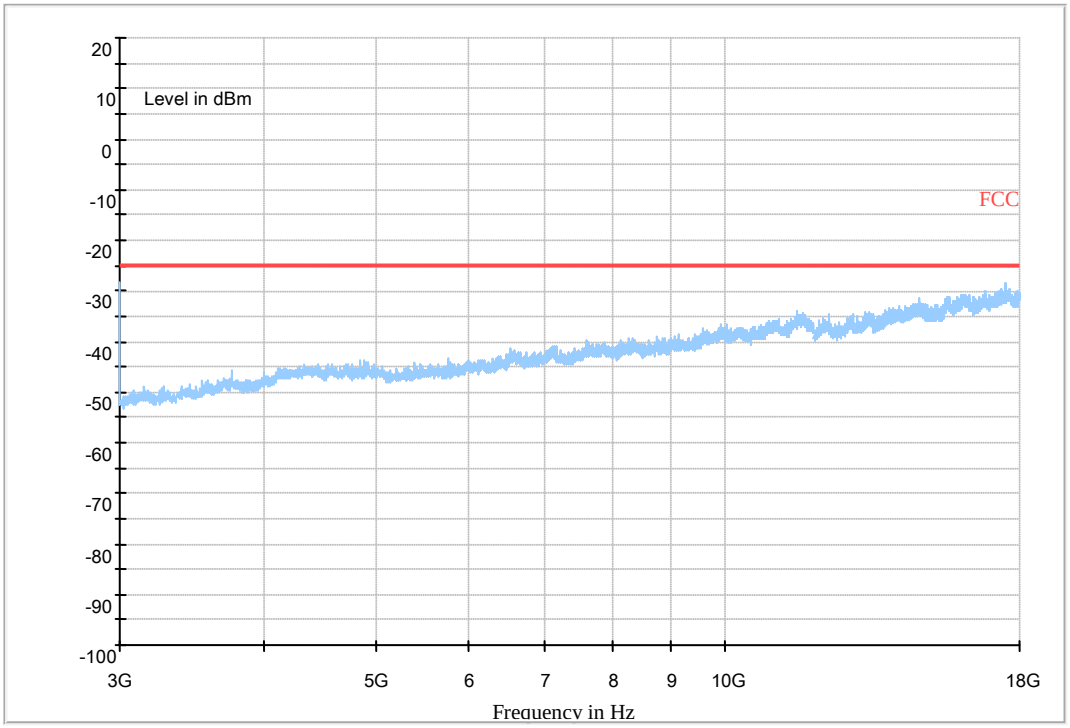
7.3.3.2 Test Bandwidth = 20

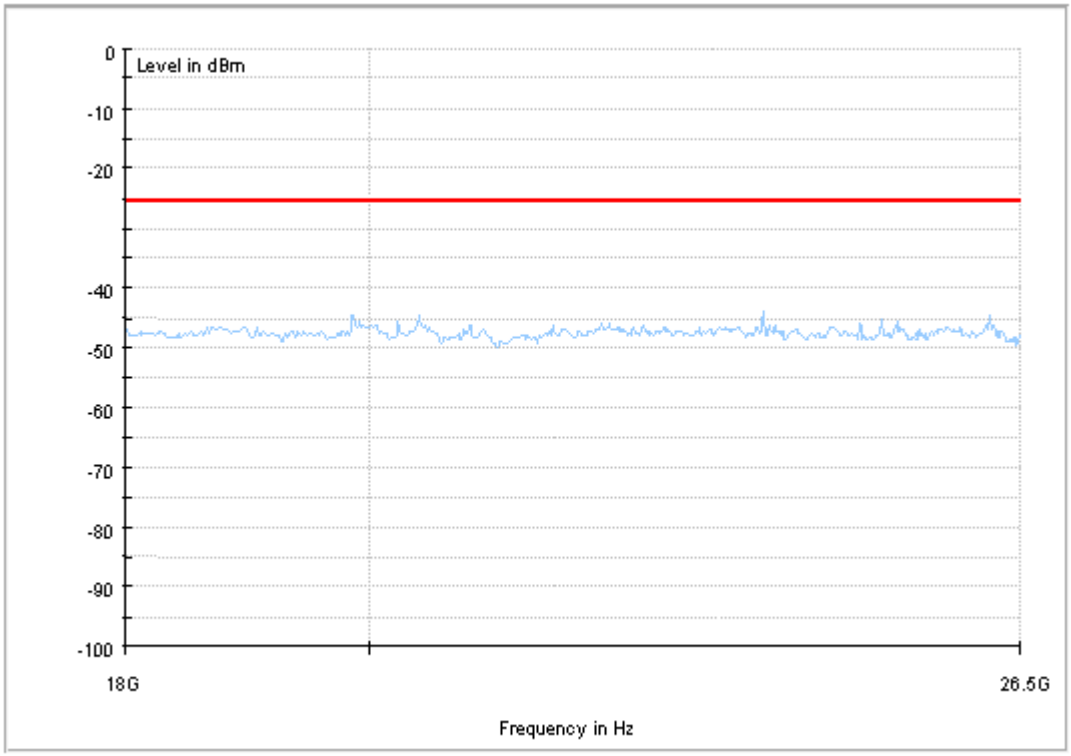


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





8Appendix_H: Frequency Stability

(Void)

END