



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 | 32.15 | 31.07 | 38.5 | PASS |
| | | MCH | 32.40 | 31.25 | 38.5 | PASS |
| | | HCH | 32.60 | 31.34 | 38.5 | PASS |
| | GSM/TM2 | LCH | 25.94 | 24.89 | 38.5 | PASS |
| | | MCH | 25.87 | 24.77 | 38.5 | PASS |
| | | HCH | 25.91 | 24.85 | 38.5 | PASS |
| WCDMA850 | UMTS/TM1 | LCH | 22.38 | 21.25 | 38.5 | PASS |
| | | MCH | 22.21 | 21.07 | 38.5 | PASS |
| | | HCH | 21.86 | 20.80 | 38.5 | PASS |
| Test Band | Test Mode | Test Channel | Conducted Power [dBm] | EIRP [dBm] | Limit [dBm] | Verdict |
| GSM1900 | GSM/TM1 | LCH | 28.78 | 29.88 | 33 | PASS |
| | | MCH | 28.89 | 29.97 | 33 | PASS |
| | | HCH | 29.12 | 30.20 | 33 | PASS |
| | GSM/TM2 | LCH | 24.00 | 25.10 | 33 | PASS |
| | | MCH | 23.99 | 25.03 | 33 | PASS |
| | | HCH | 23.92 | 24.99 | 33 | PASS |
| WCDMA1900 | UMTS/TM1 | LCH | 21.78 | 22.83 | 33 | PASS |
| | | MCH | 21.58 | 22.59 | 33 | PASS |
| | | HCH | 21.84 | 22.91 | 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,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

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 1:

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

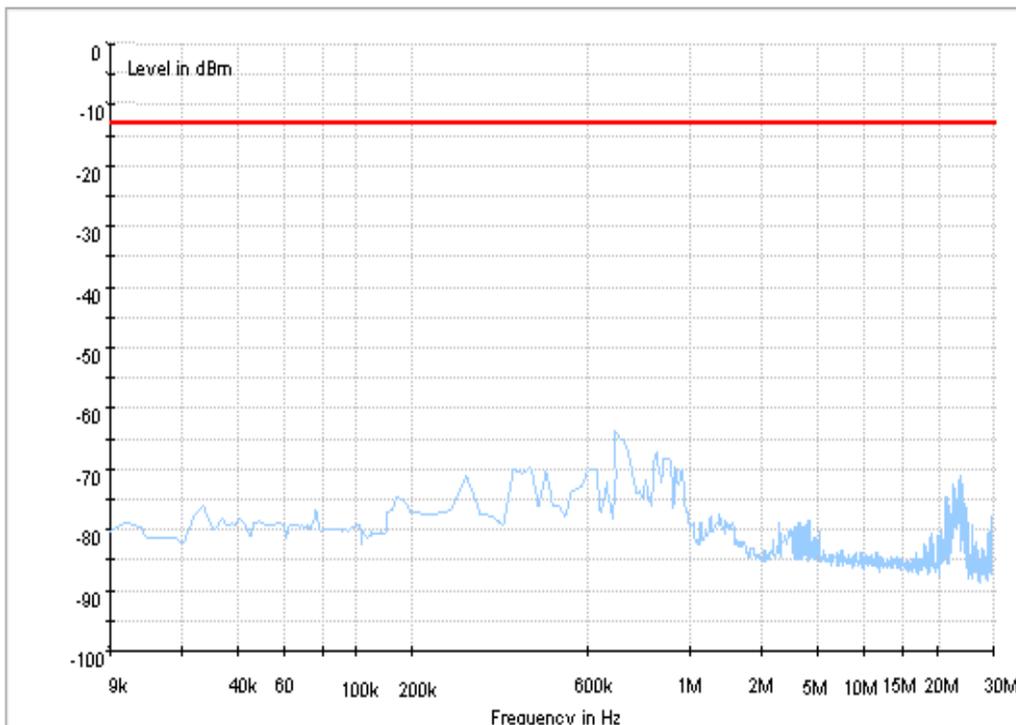
Note 2: The three external antennas all have been tested, only the worst case show as below.

Part I - Test Plots

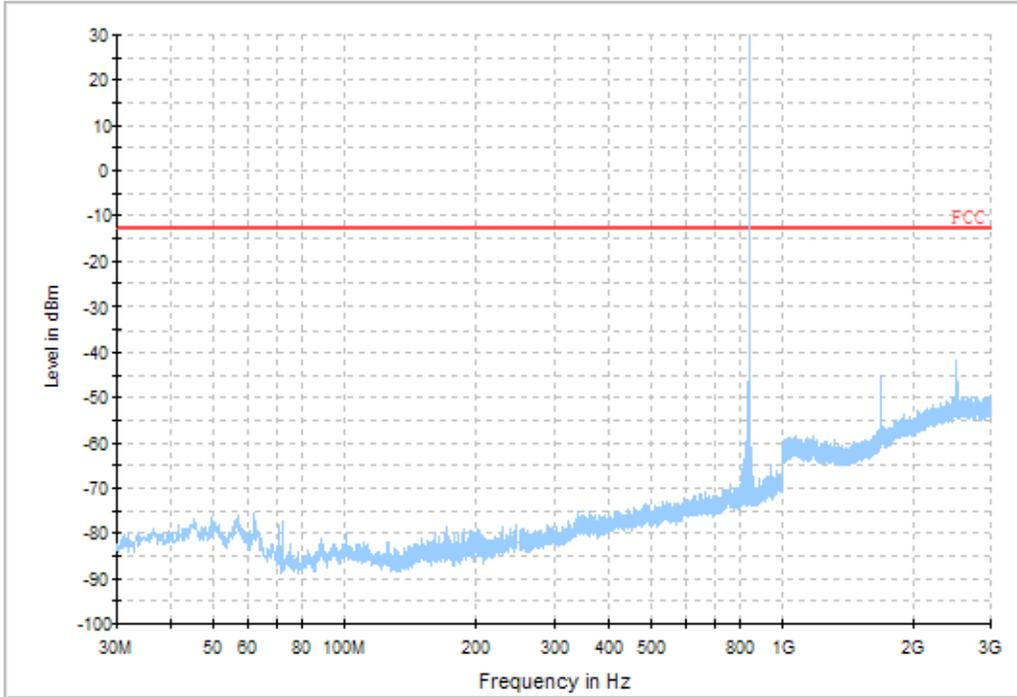
7.1 For GSM

7.1.1 Test Band = GSM850

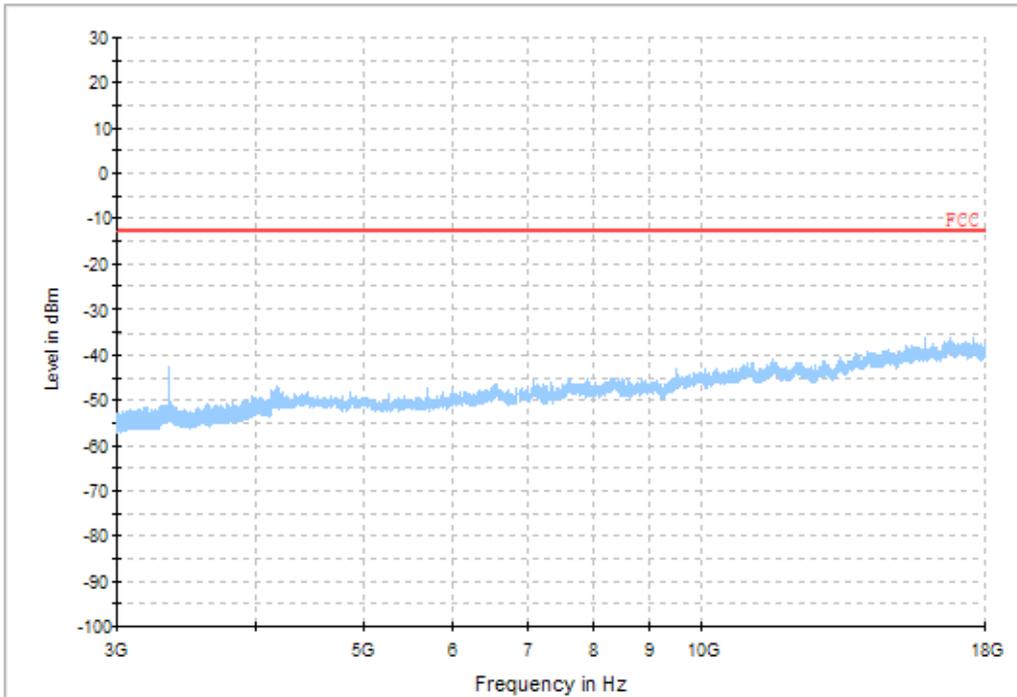
7.1.1.1 Test Mode = GSM/TM1



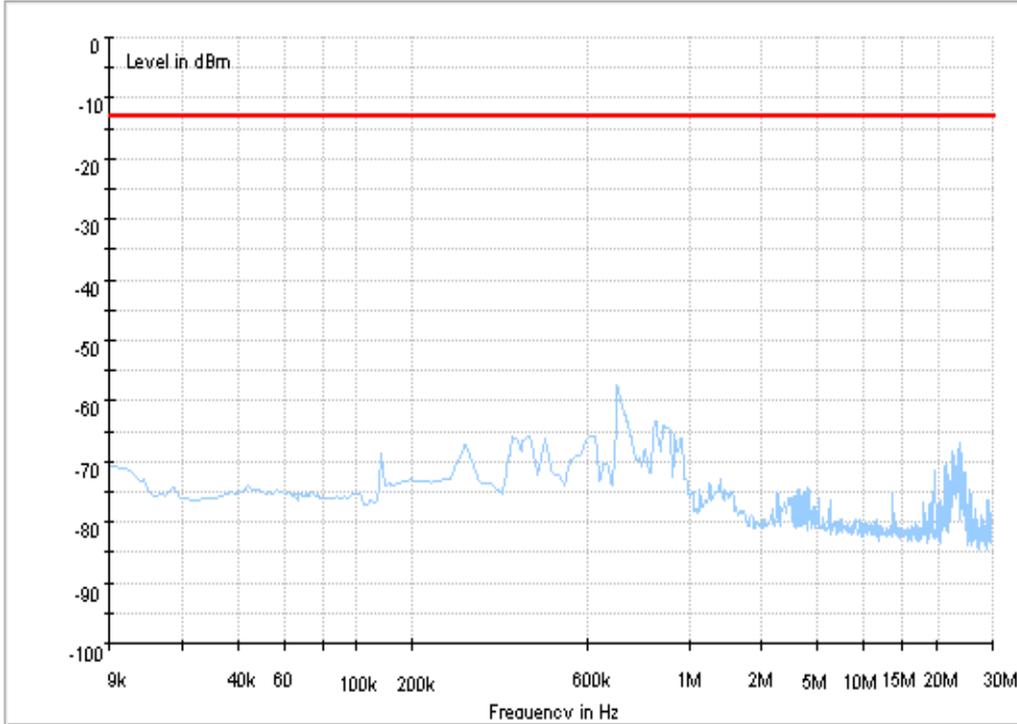
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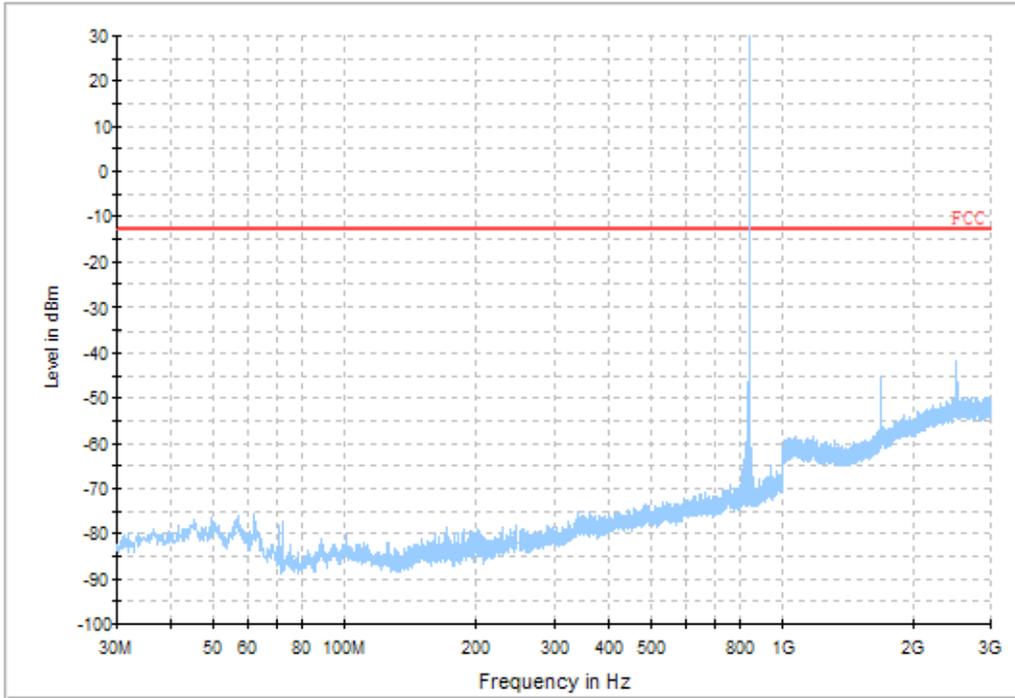
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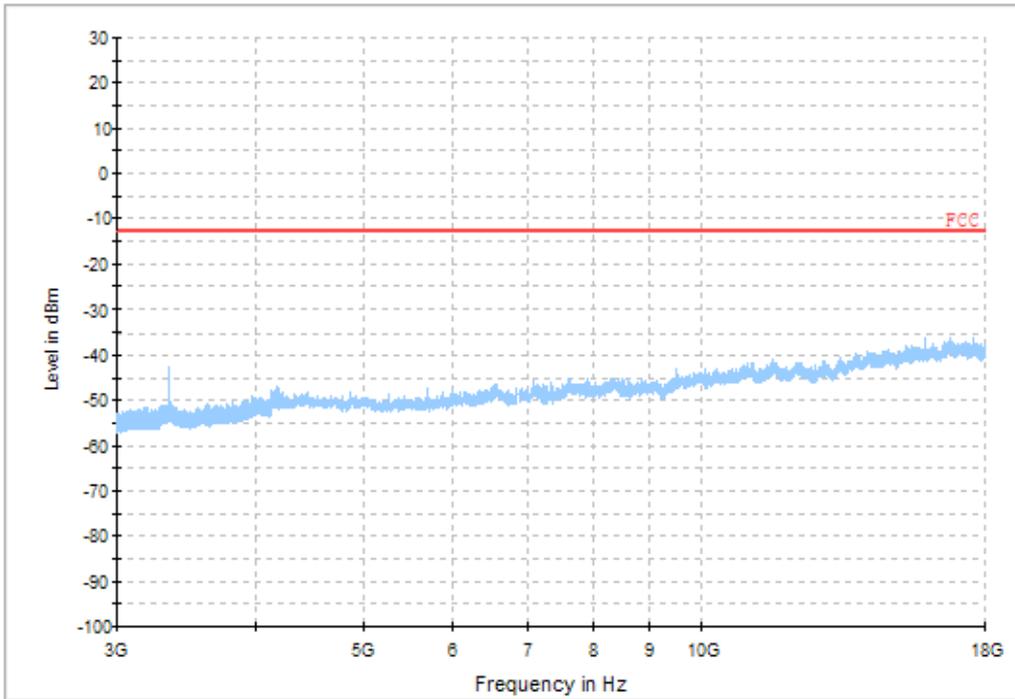
7.1.1.2 Test Mode = GSM/TM2



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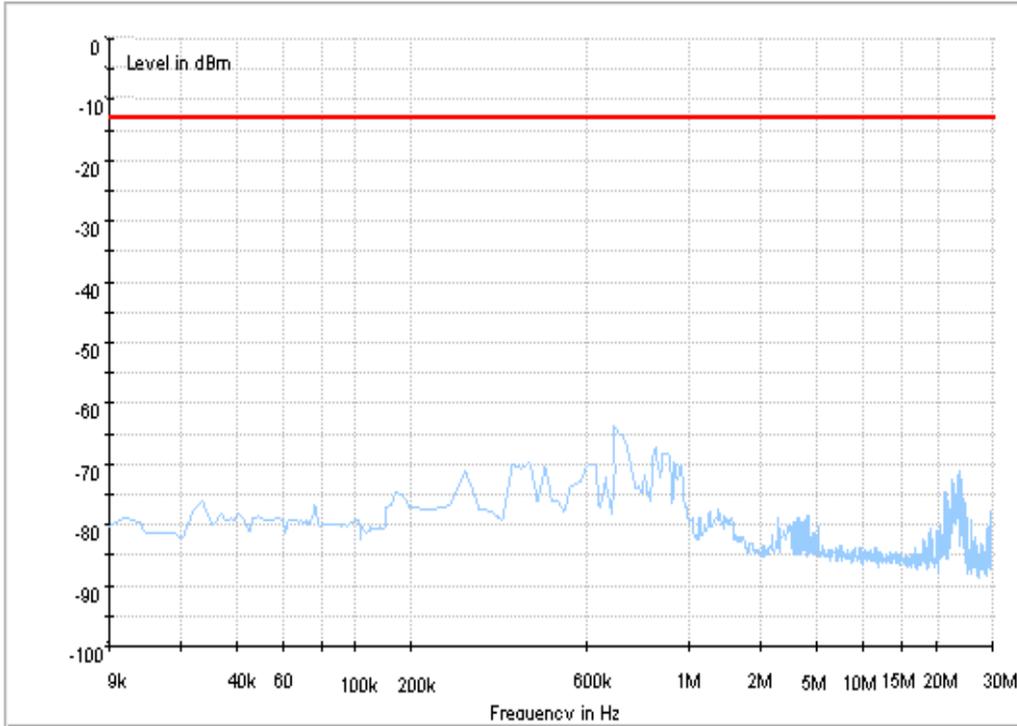


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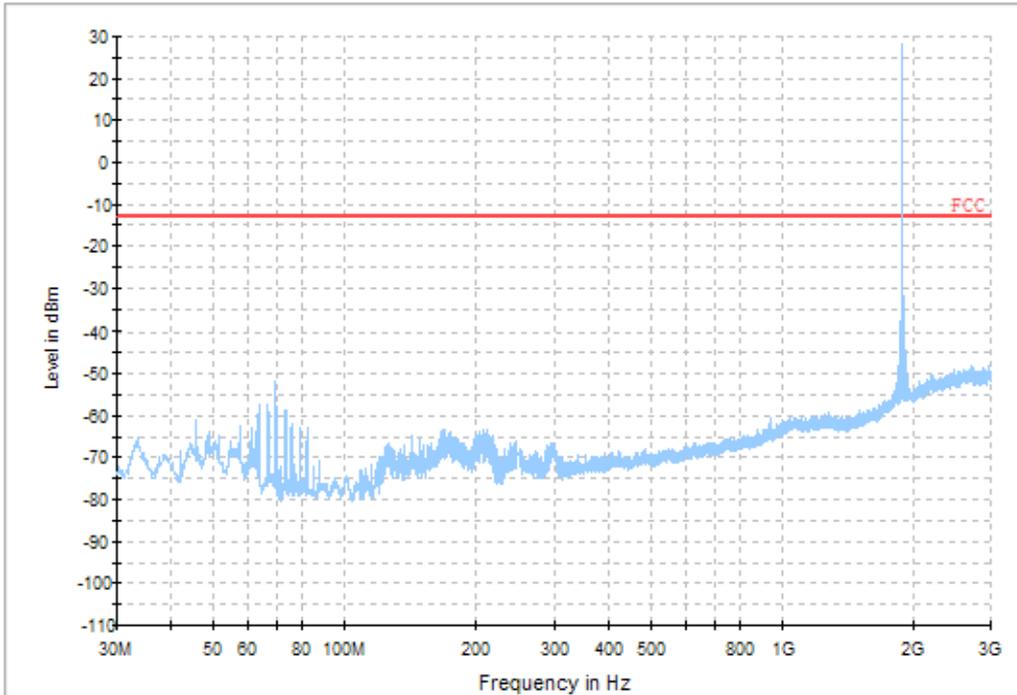


7.1.2 Test Band = GSM1900

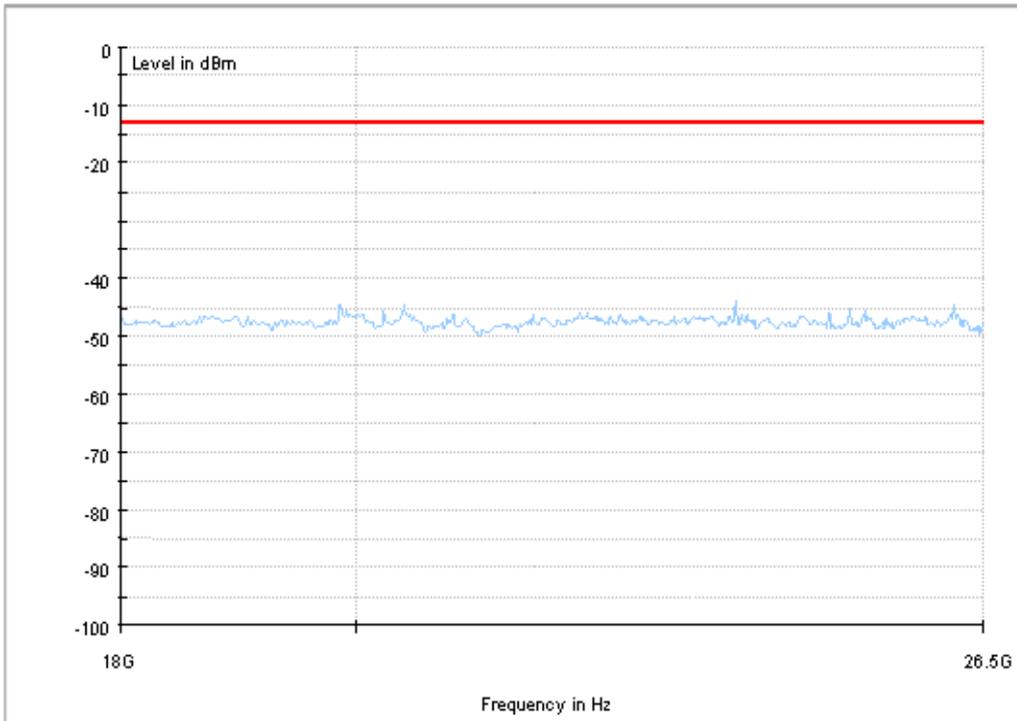
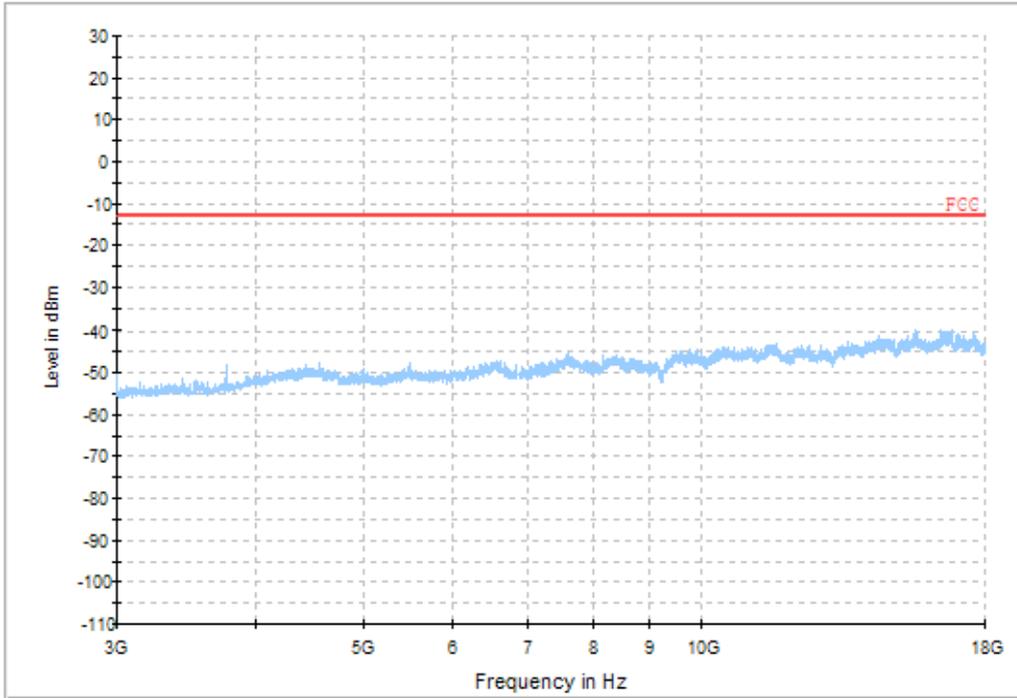
7.1.2.1 Test Mode = GSM/TM1



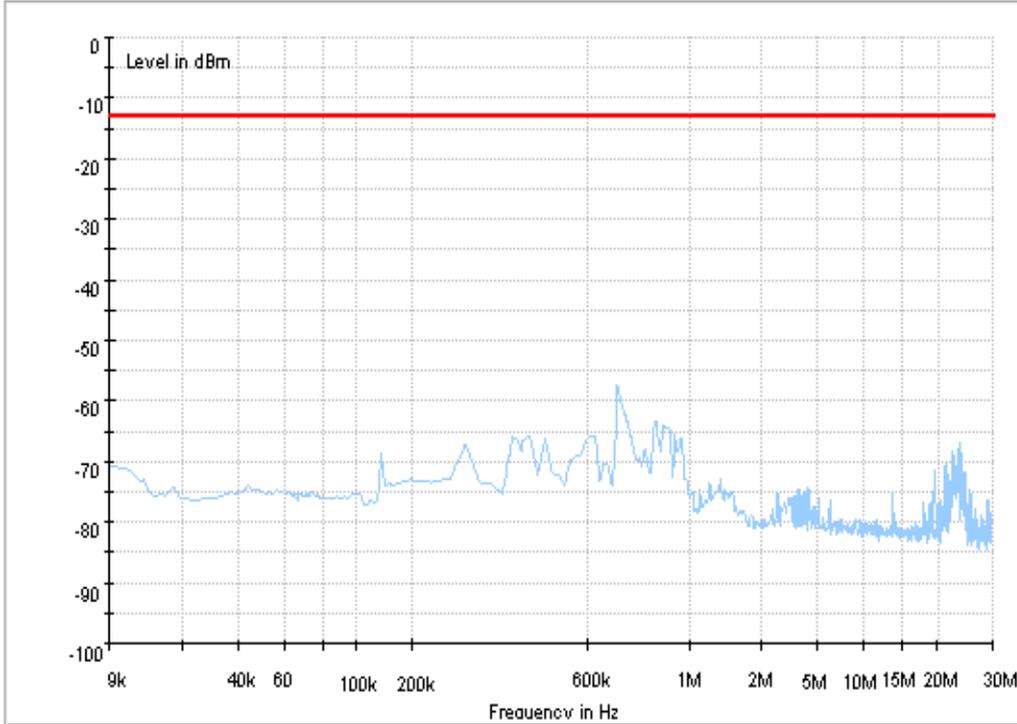
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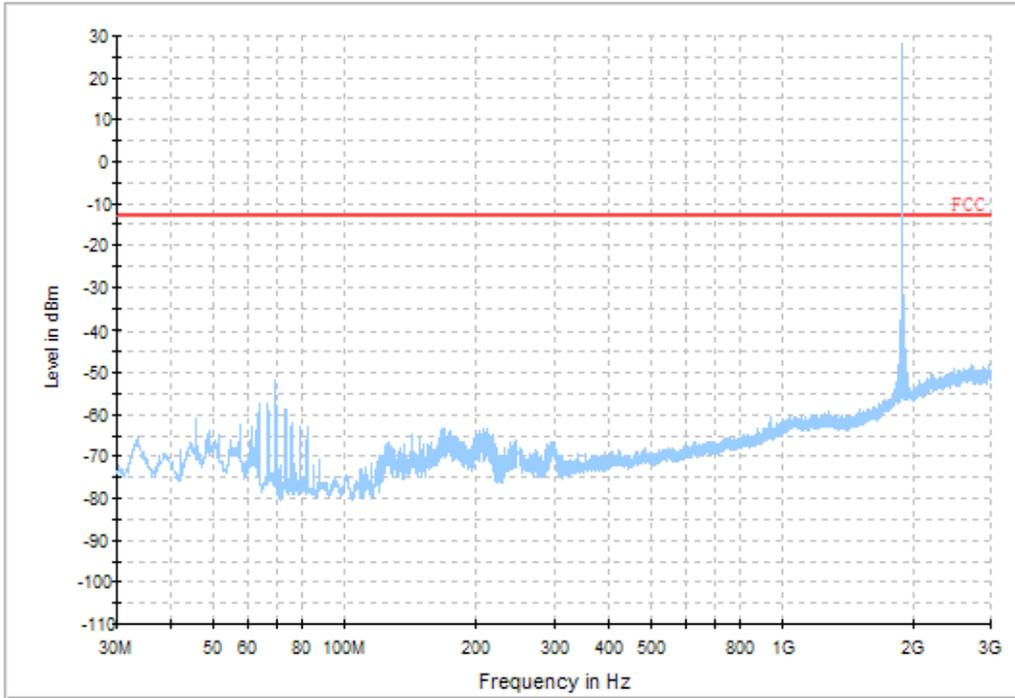
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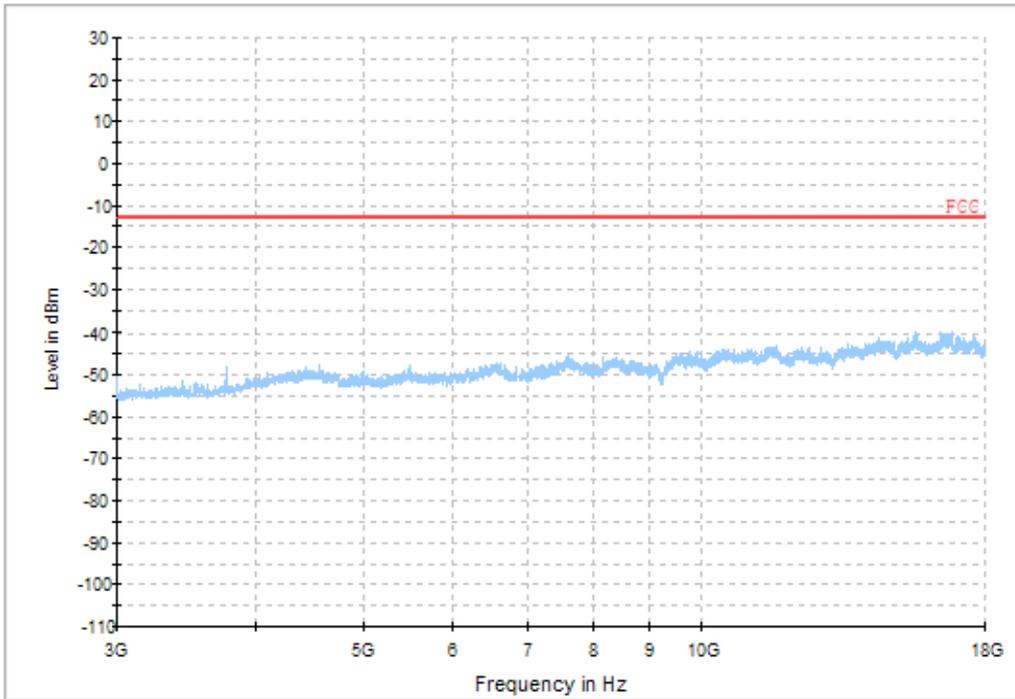
7.1.2.2 Test Mode = GSM/TM2

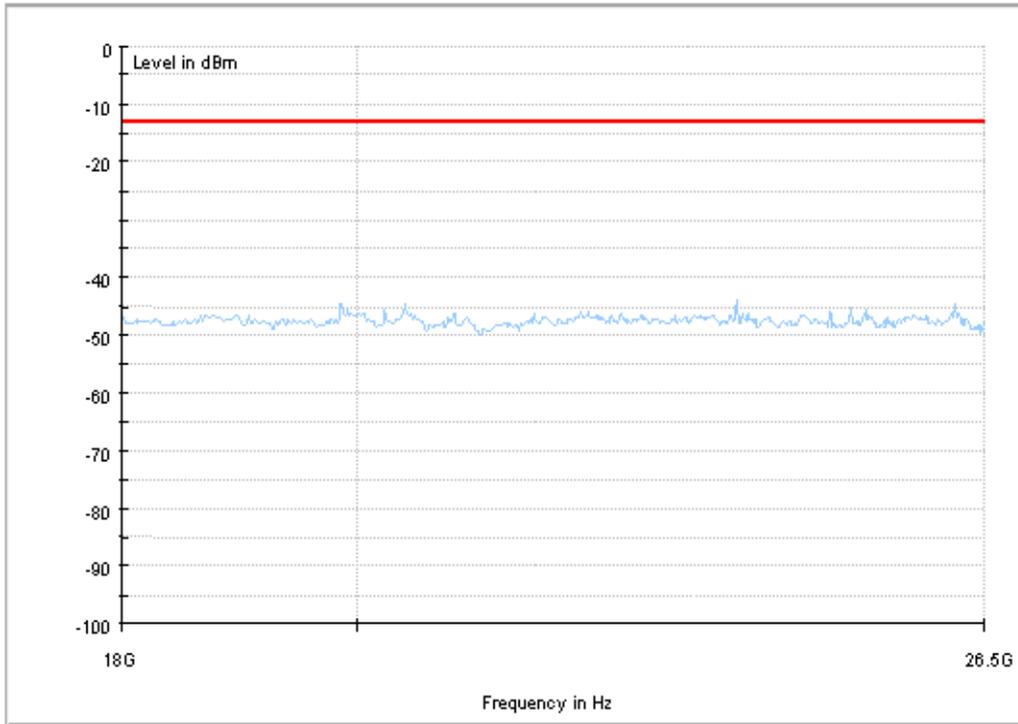


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Copy of FCC PART24 GSM1900_H

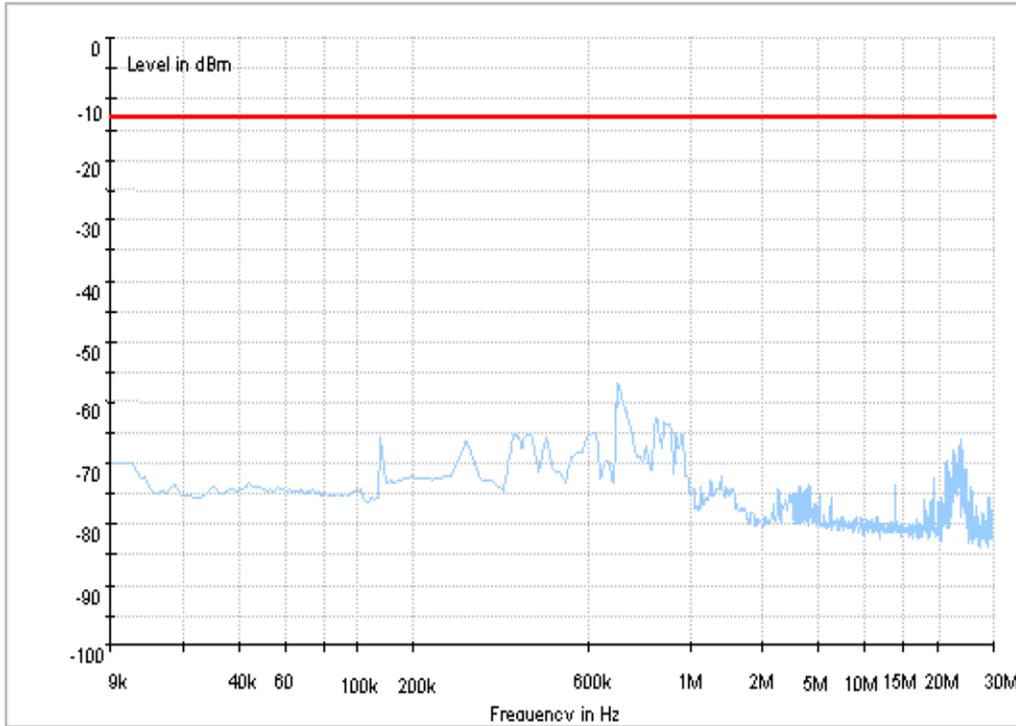




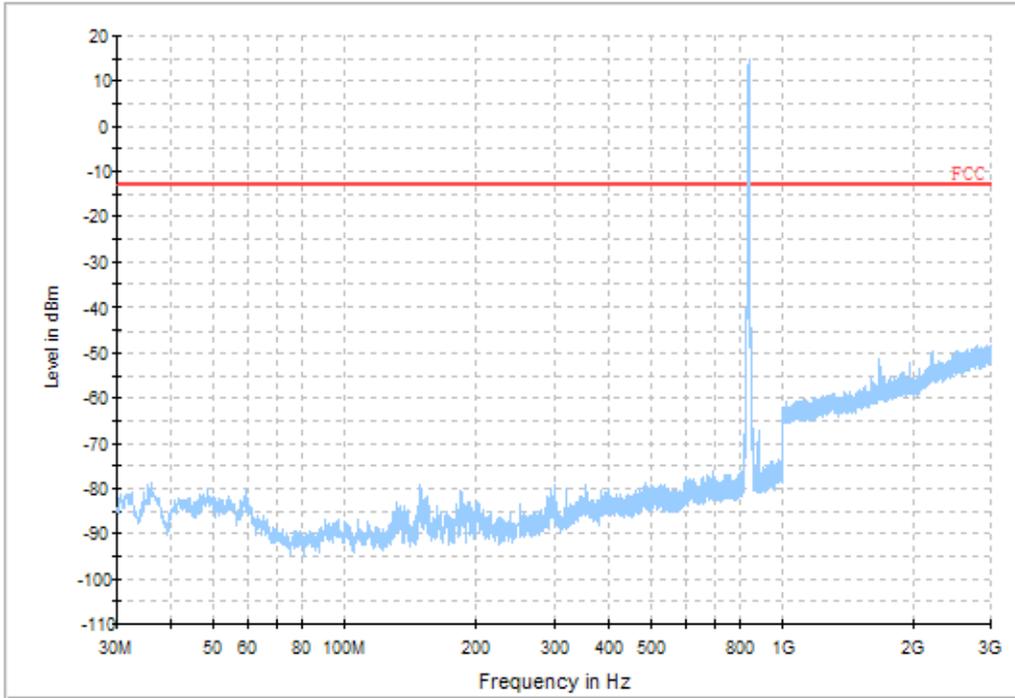
7.2 For UMTS

7.2.1 Test Band = WCDMA850

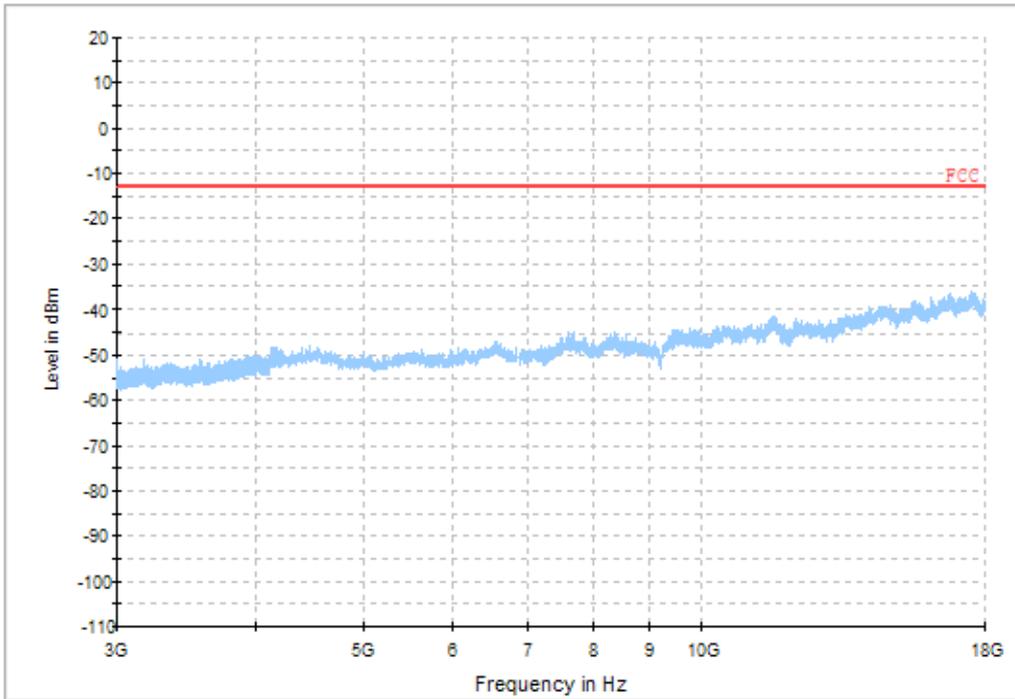
7.2.1.1 Test Mode = UMTS/TM1



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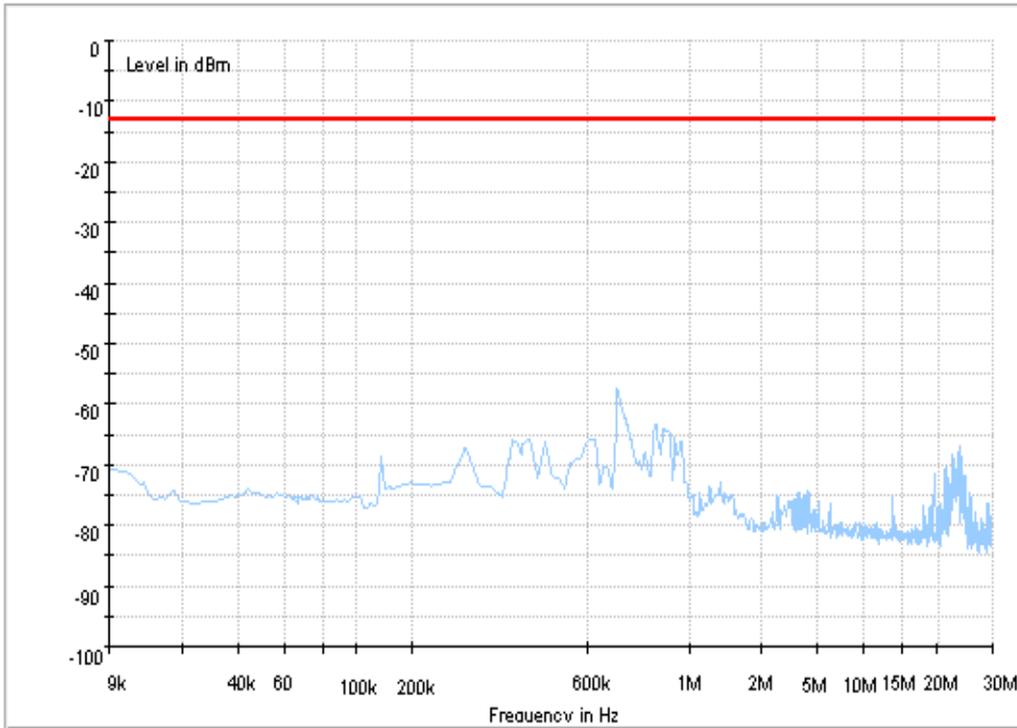


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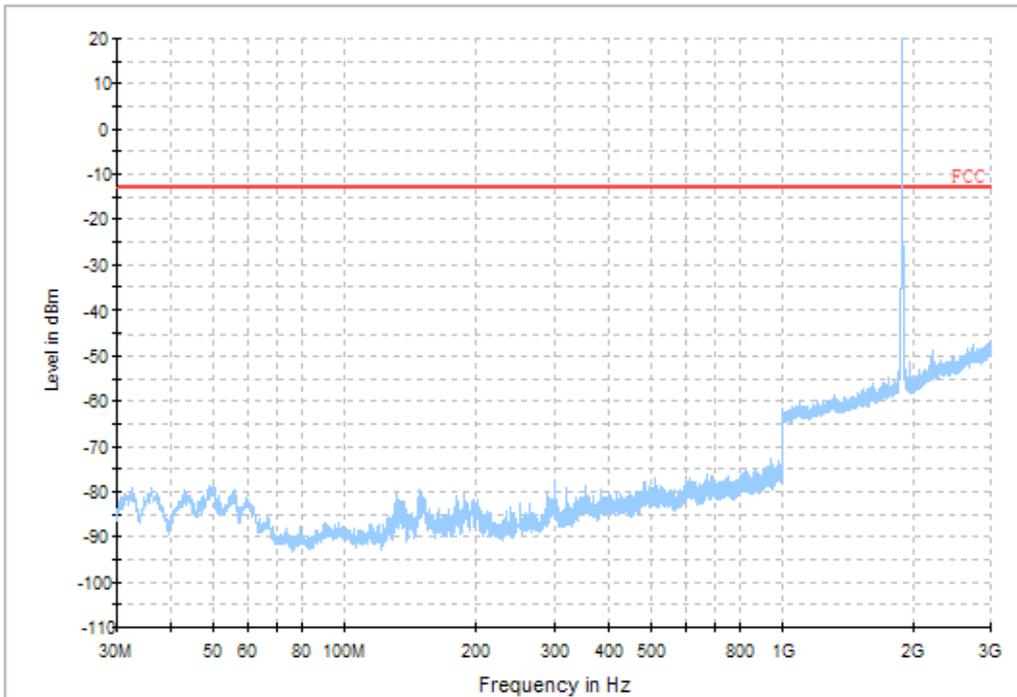


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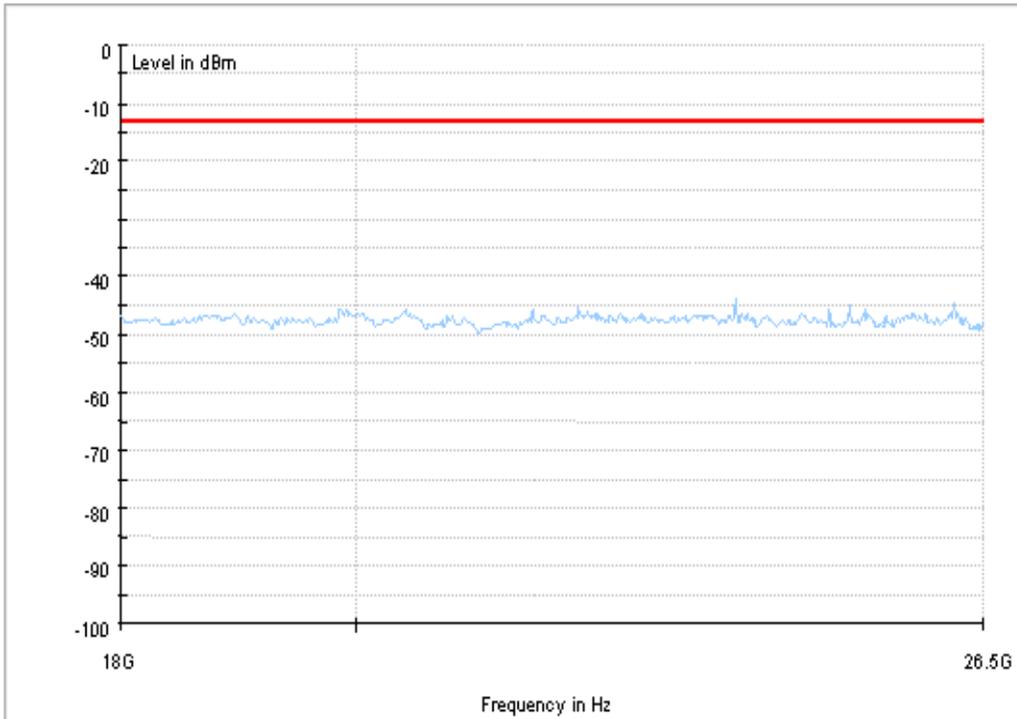
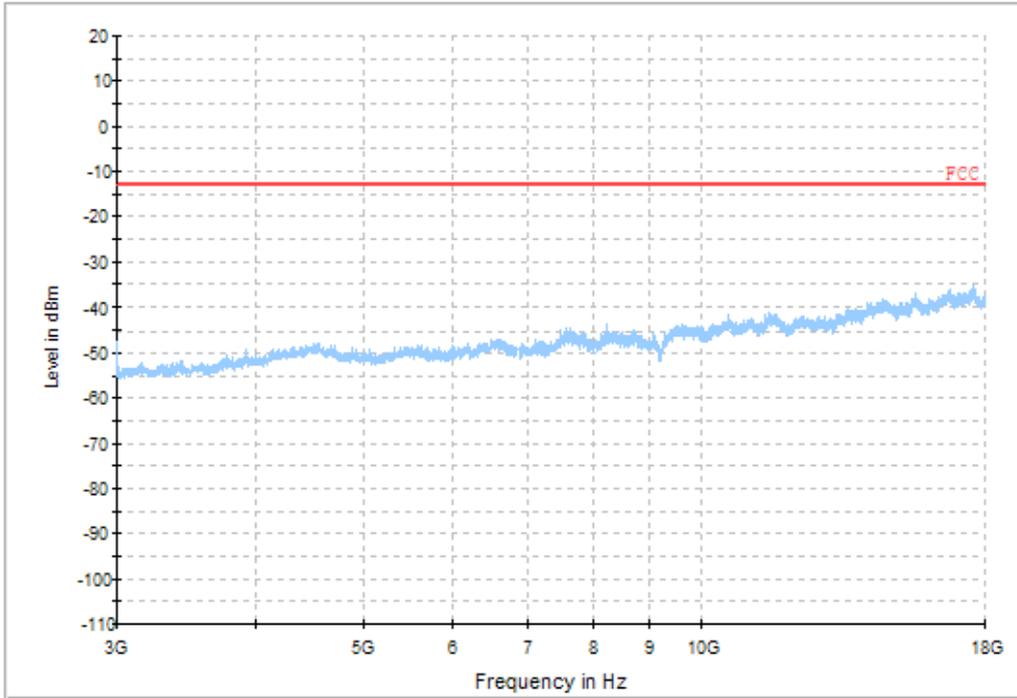
7.2.2.1 Test Mode = UMTS/TM1



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Copy of FCC PART24 WCDMA1900_H





8Appendix_H: Frequency Stability

(Void)

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