



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

void

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

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Note2:

SET Span=1.5*OBW

SET RBW=1%of the OBW, not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

void



3Appendix_C: Modulation Characteristics

Part I - Test Plots

void



4Appendix_D: Bandwidth

Part I - Test Results

void



5Appendix_E: Band Edges Compliance

Part I - Test Plots

void

6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

void

7Appendix_G: Field Strength of Spurious Radiation

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

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

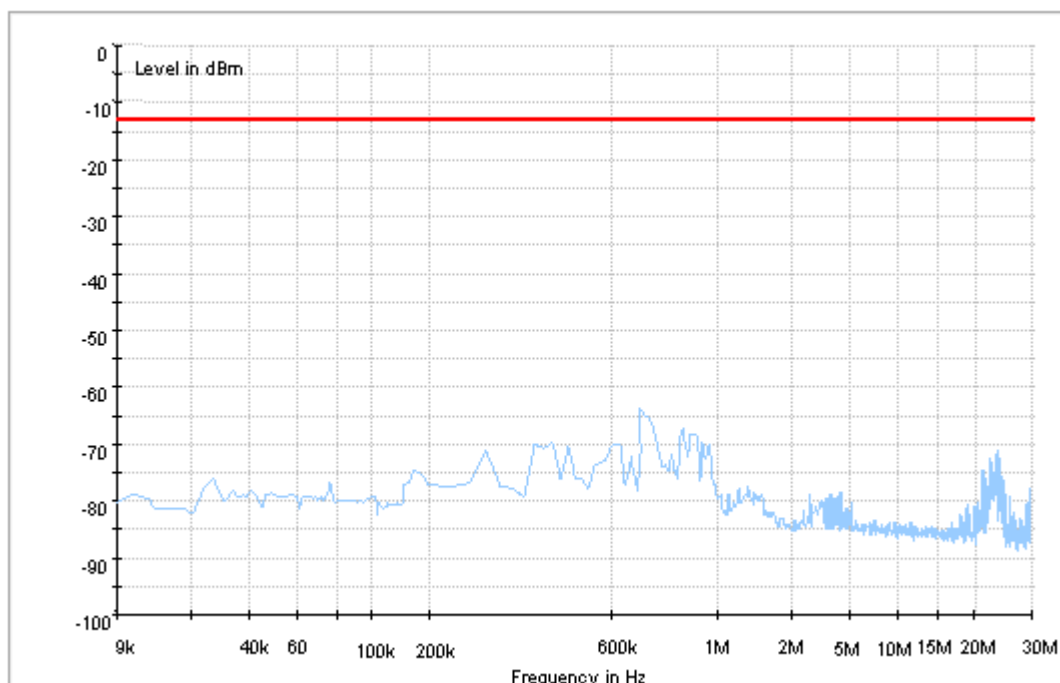
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

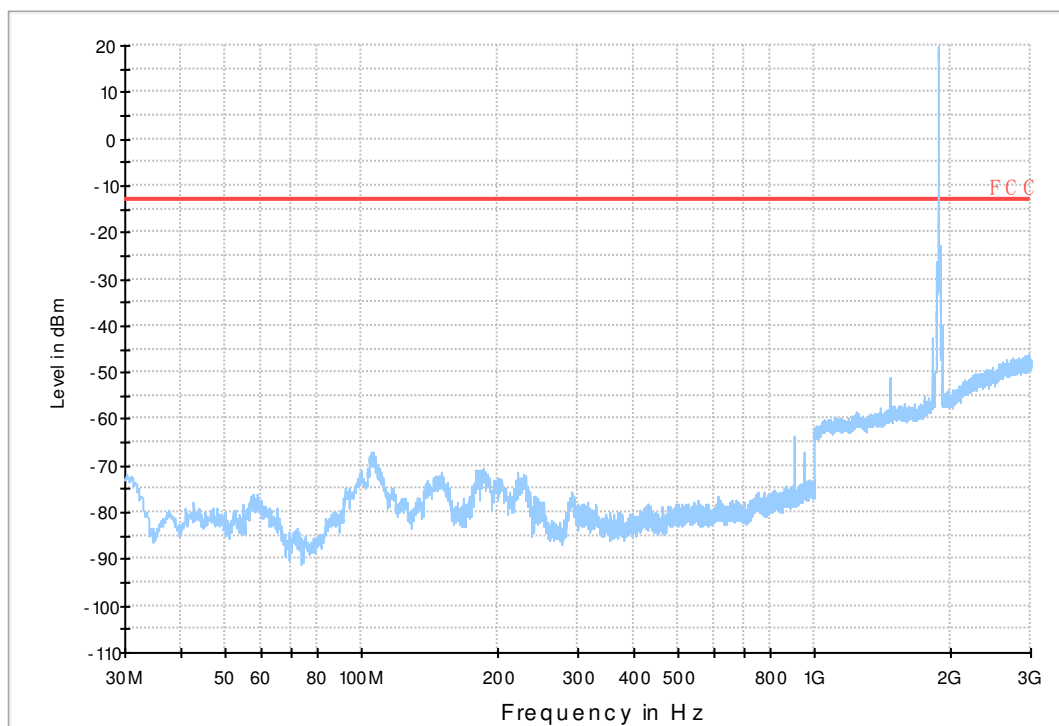
7.1 For UMTS

7.1.1 Test Band = WCDMA1900_Ant1

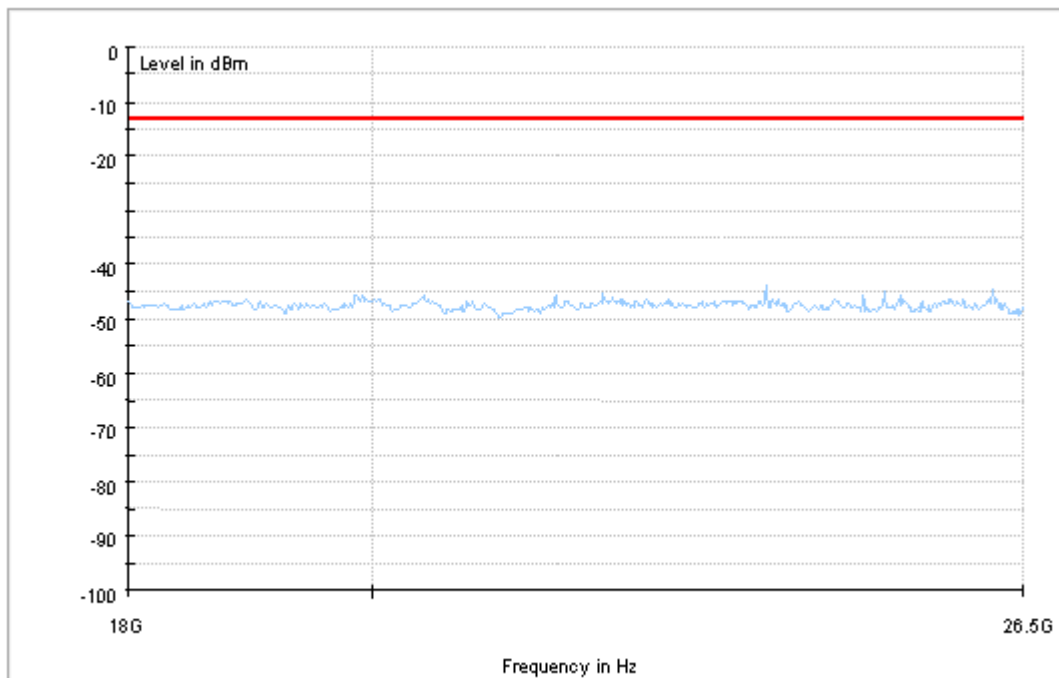
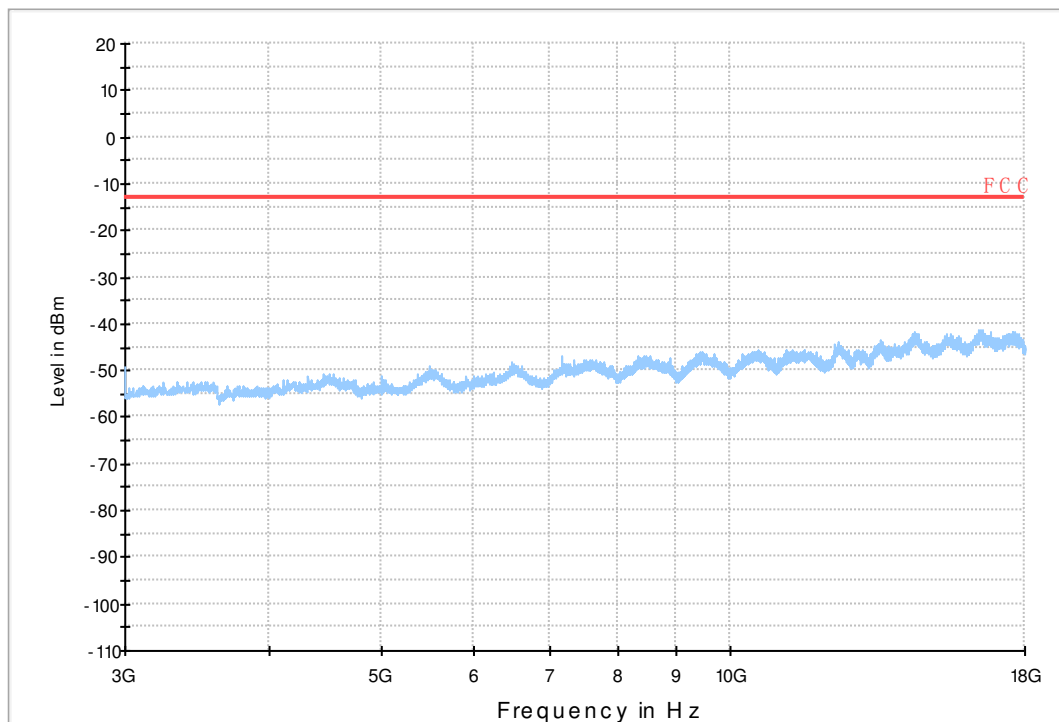
7.1.1.1 Test Mode = UMTS/TM1



Copy of FCC PART24 W CDMA1900_L

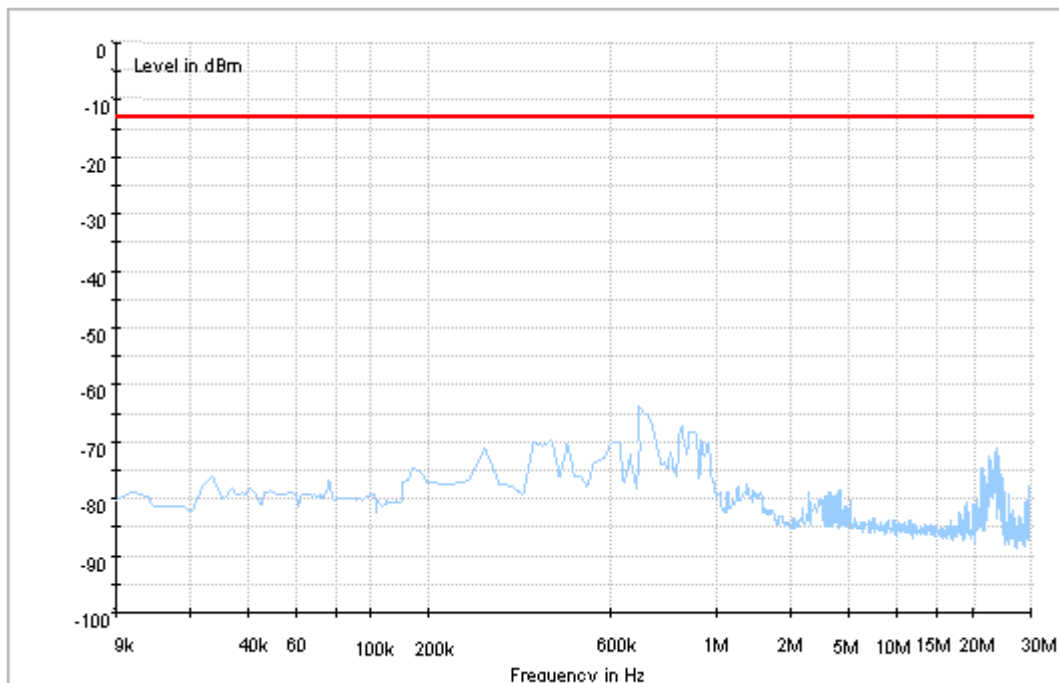


Copy of FCC PART24 W CDMA1900_H

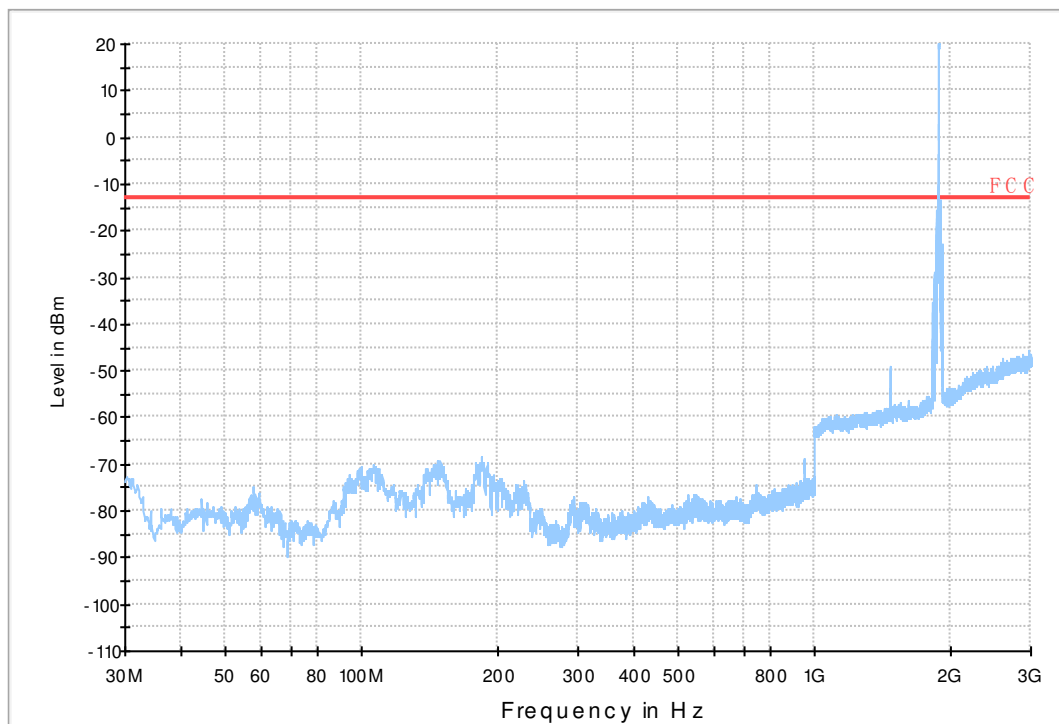


7.1.2 Test Band = WCDMA1900_Ant2

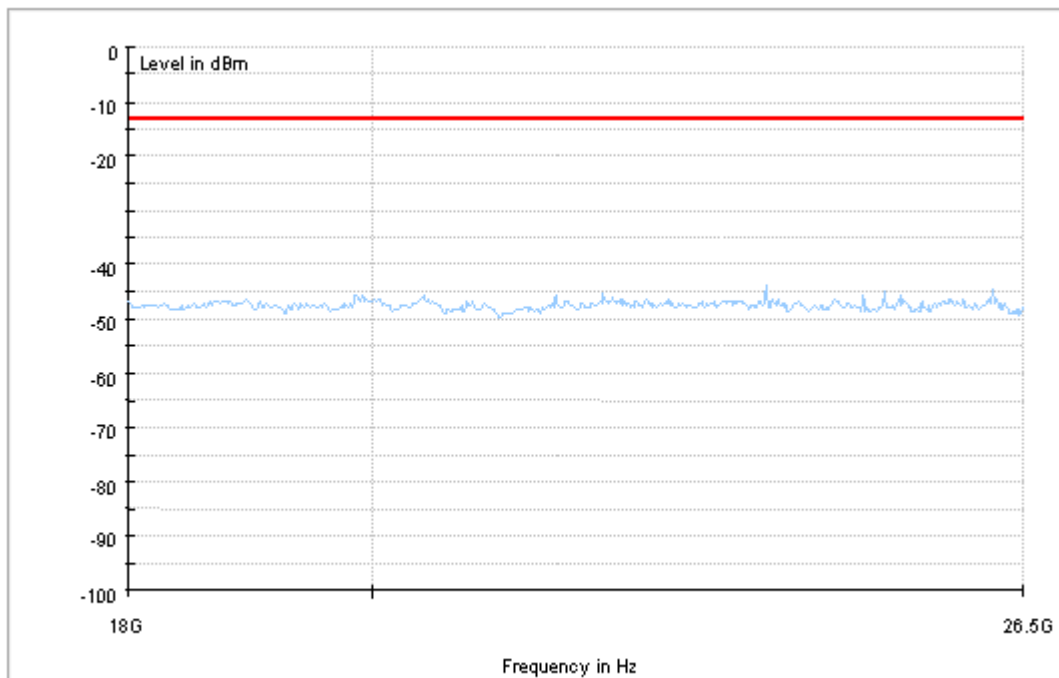
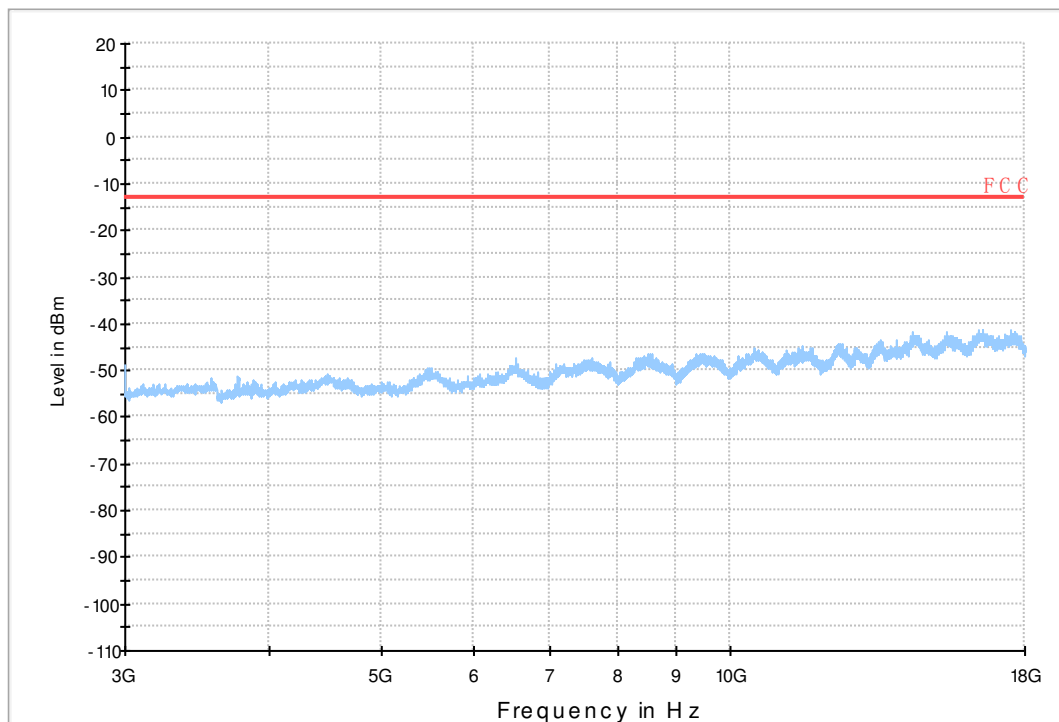
7.1.2.1 Test Mode = UMTS/TM1



Copy of FCC PART24 W CDMA1900_L



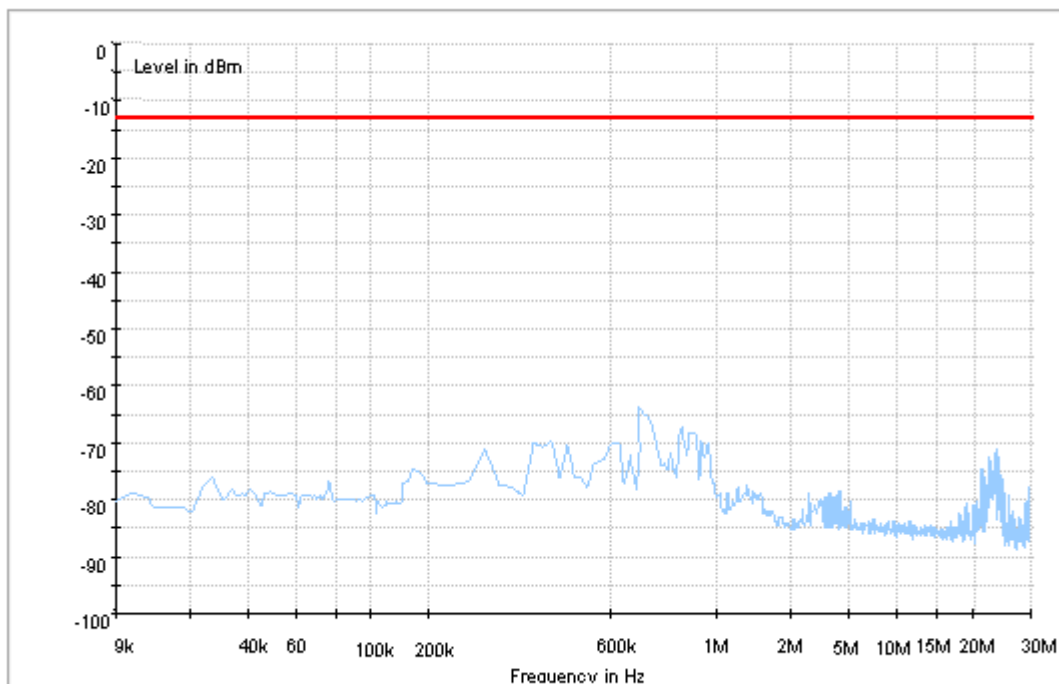
Copy of FCC PART24 W CDMA1900_H



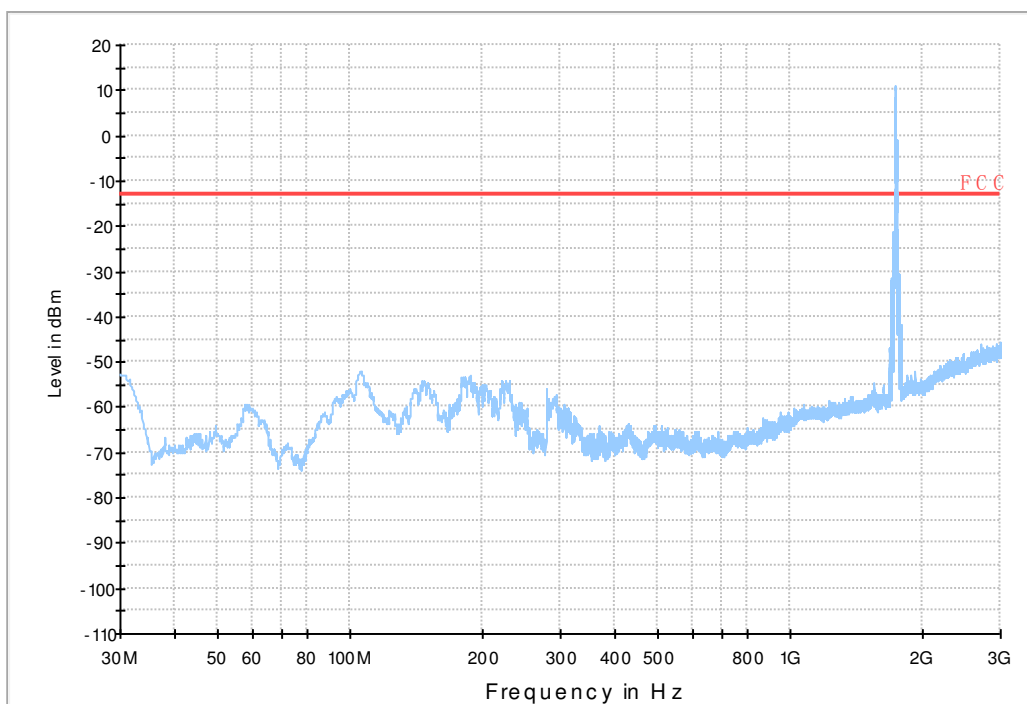
7.2 For UMTS

7.2.1 Test Band = WCDMA1700_Ant1

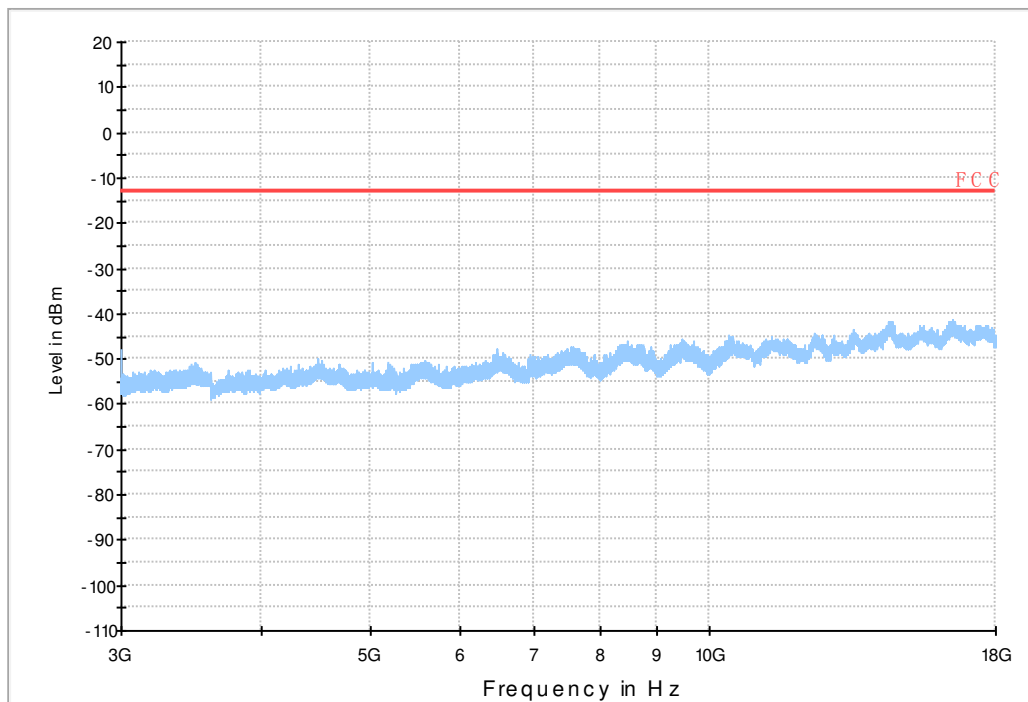
7.2.1.1 Test Mode = UMTS/TM1



Copy of FCC PART27 W CDMA1700_L

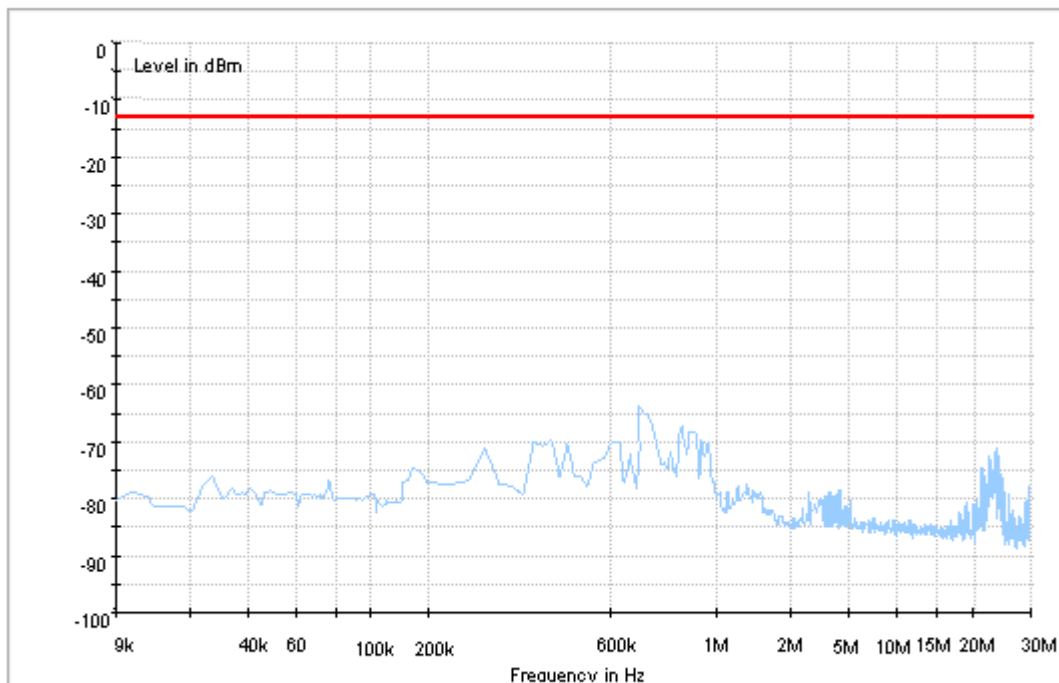


Copy of FCC PART27 W CDMA1700_H

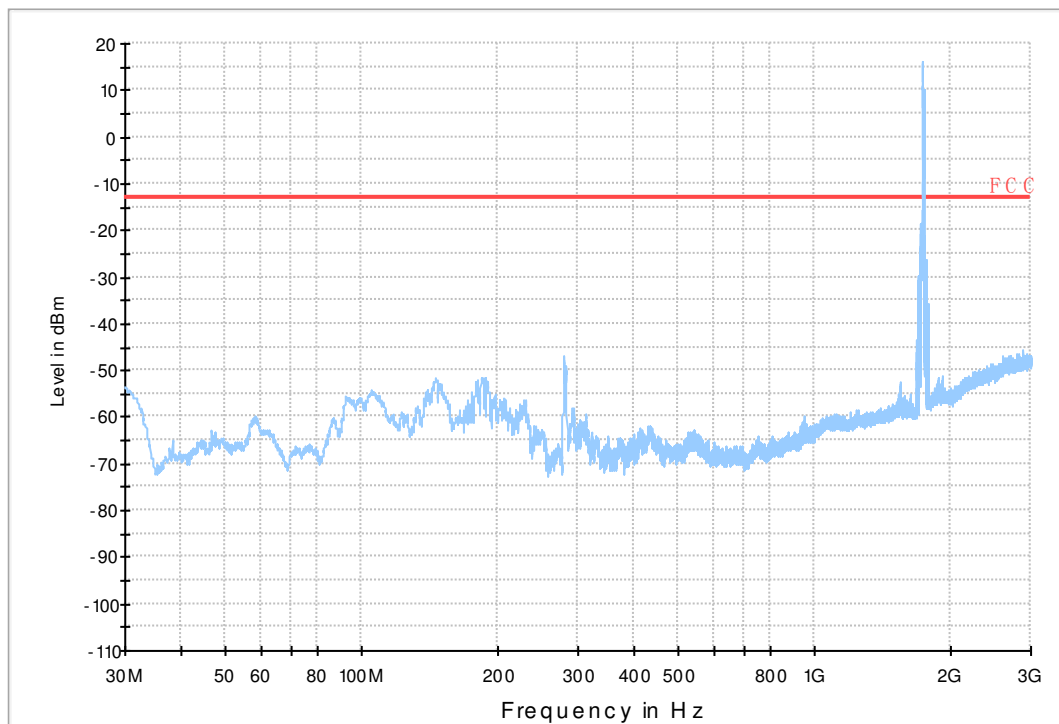


7.2.2 Test Band = WCDMA1700_Ant2

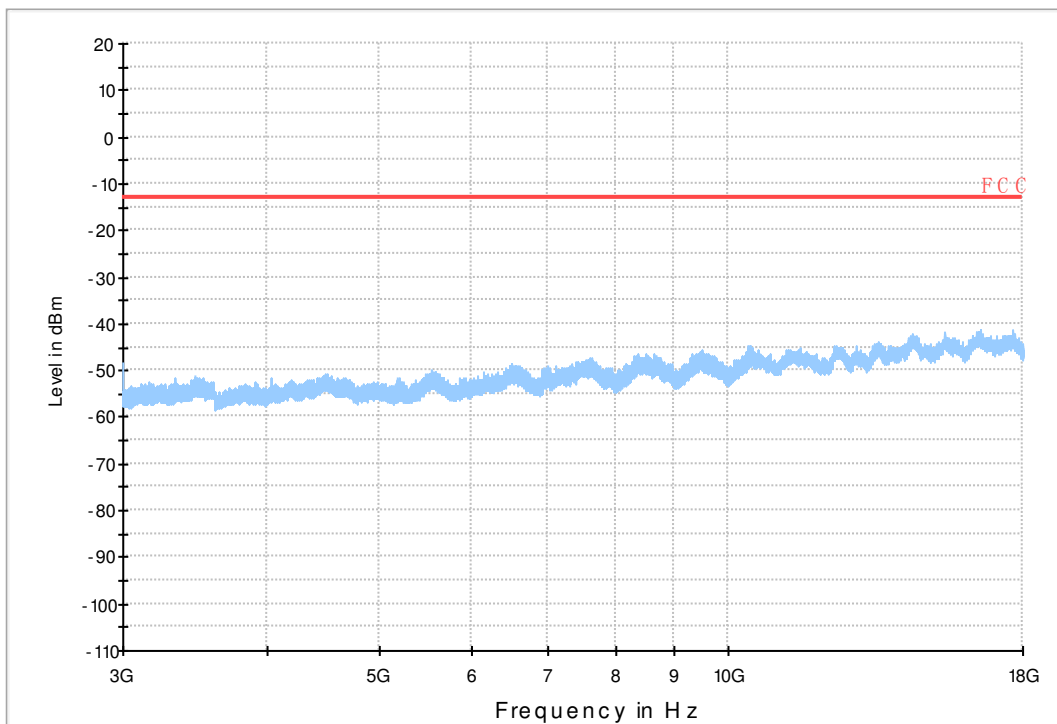
7.2.2.1 Test Mode = UMTS/TM1



Copy of FCC PART27 W CDMA1700_L



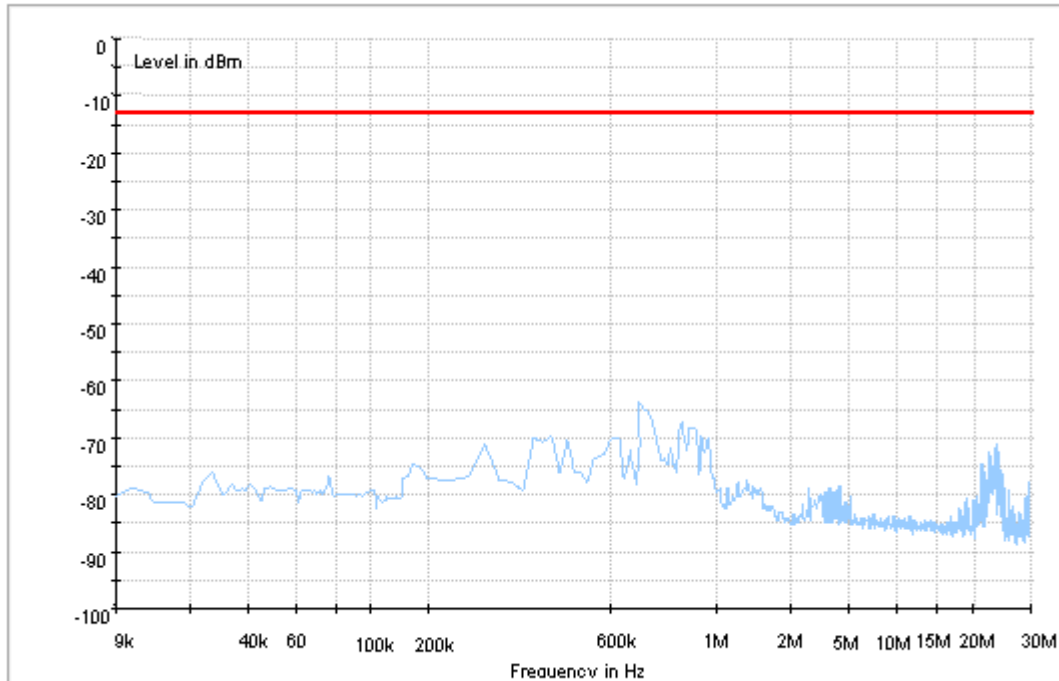
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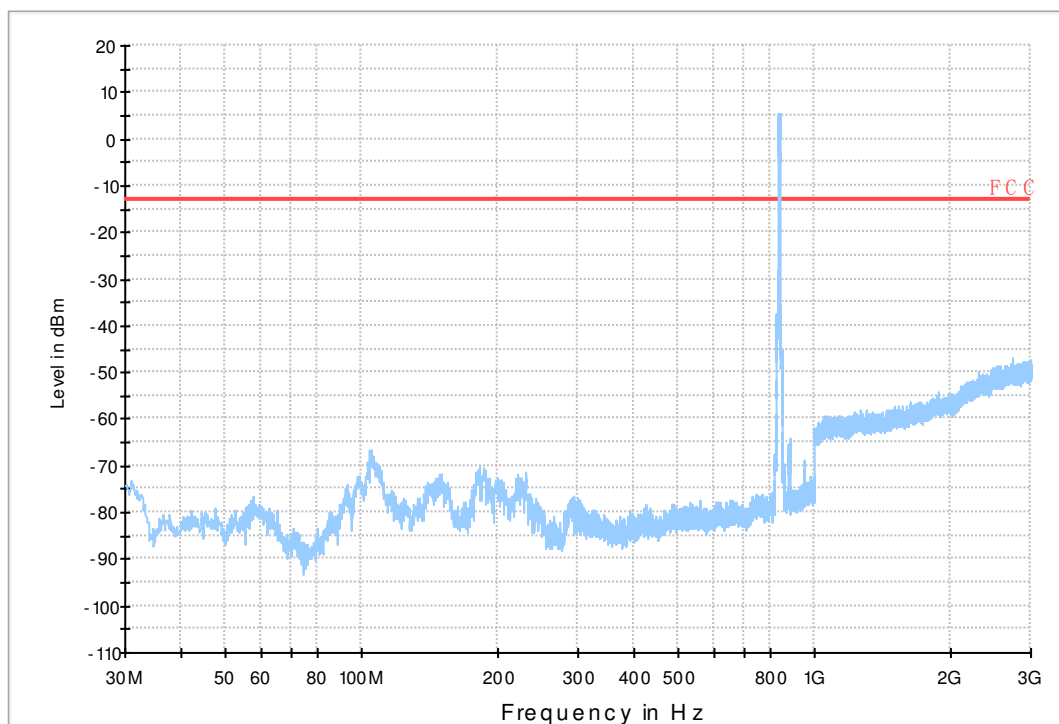
7.3 For UMTS

7.3.1 Test Band = WCDMA850_Ant1

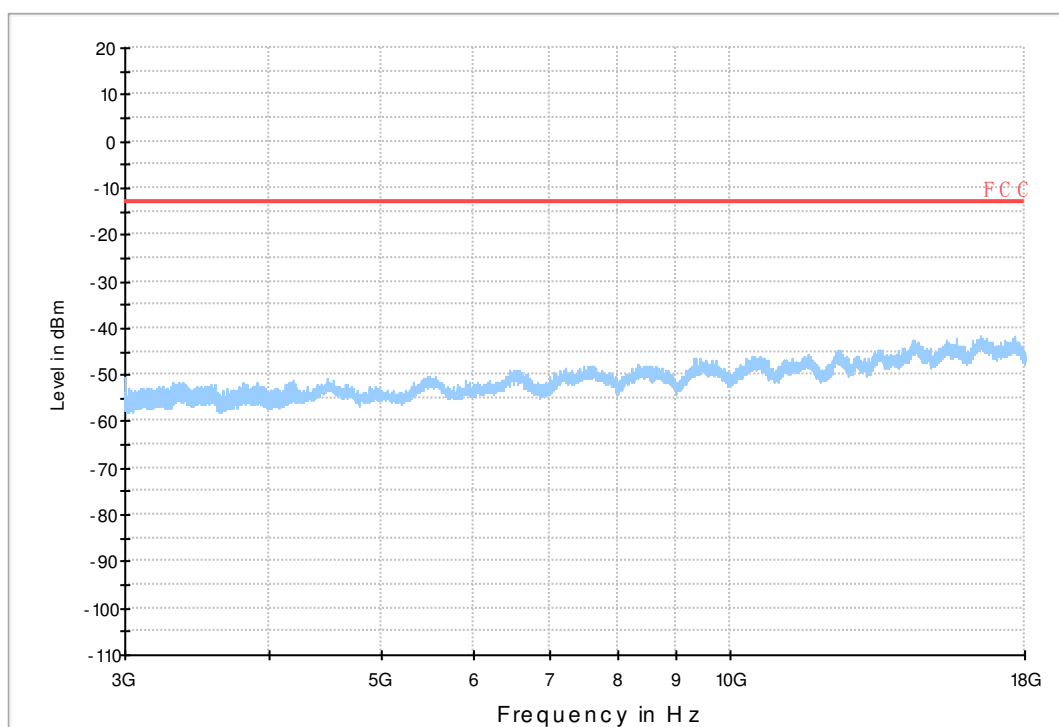
7.3.1.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDMA850_L

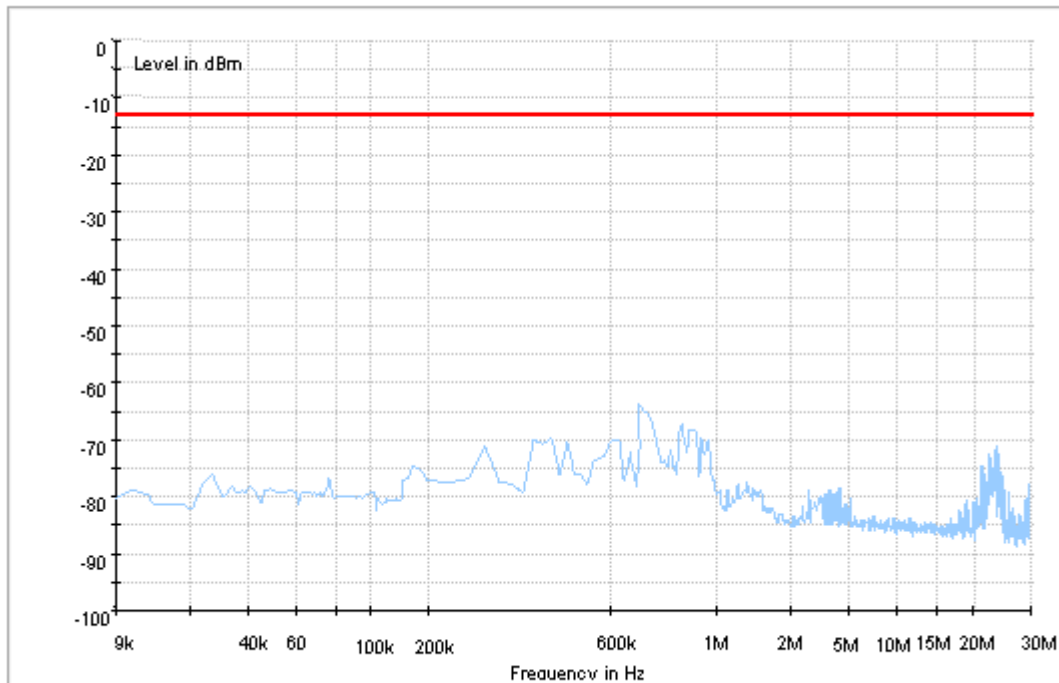


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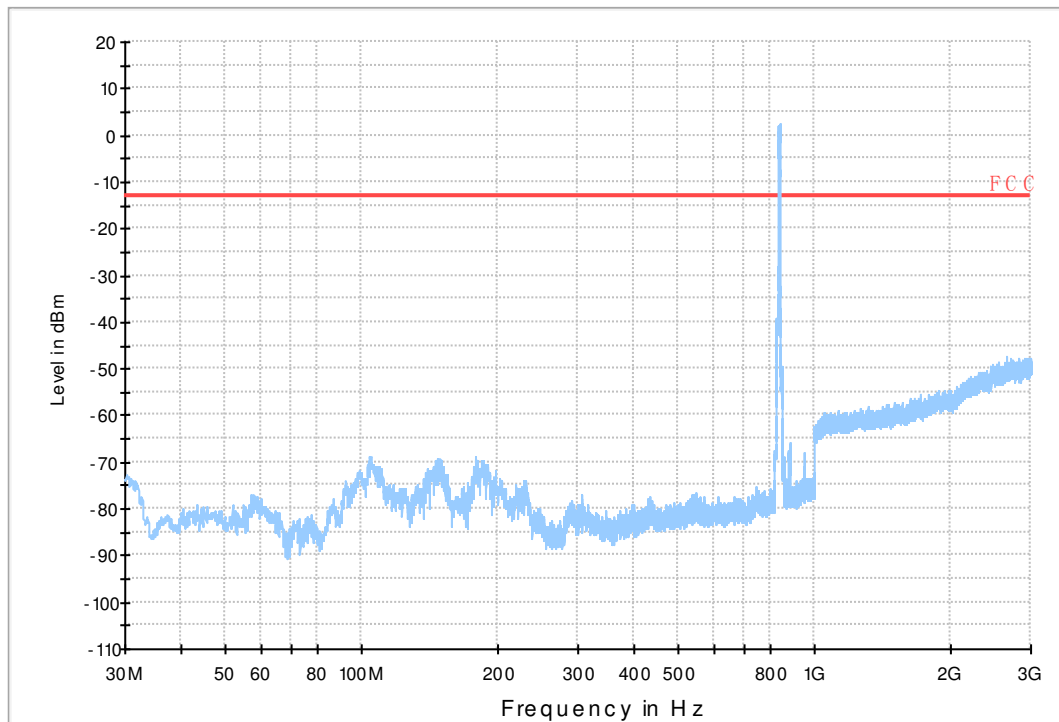


7.3.2 Test Band = WCDMA850_Ant2

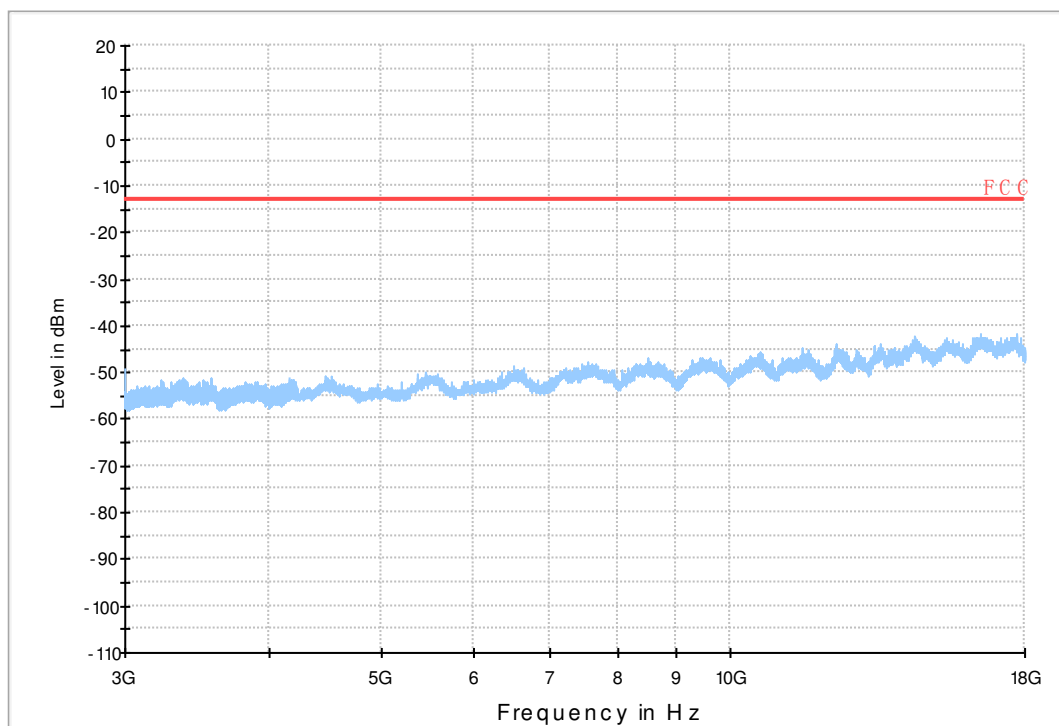
7.3.2.1 Test Mode = UMTS/TM1



Copy of FCC PART22 W CDMA850_L



Copy of FCC PART22 W CDMA850_H





8Appendix_H: Frequency Stability

8.1 For UMTS

void

END