



Appendix for test report



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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

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

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

void



3Appendix_C: Modulation Characteristics

Part I - Test Plots



4Appendix_D: Bandwidth

Part I - Test Results

Void



5Appendix_E: Band Edges Compliance

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.

7Appendix_G: Field Strength of Spurious Radiation

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

Note1: No peak found in the Test Range of “9 kHz to 30MHz”

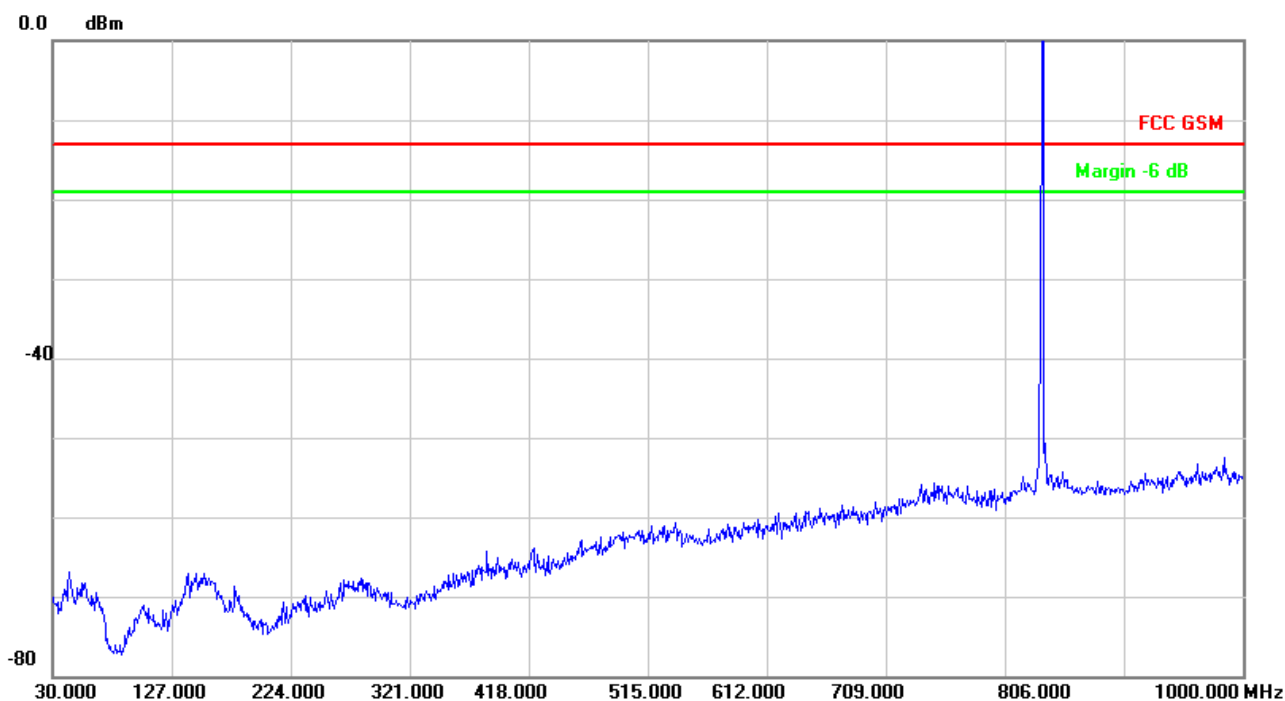
Note2: We tested all modes, but the data presented below is the worst case.

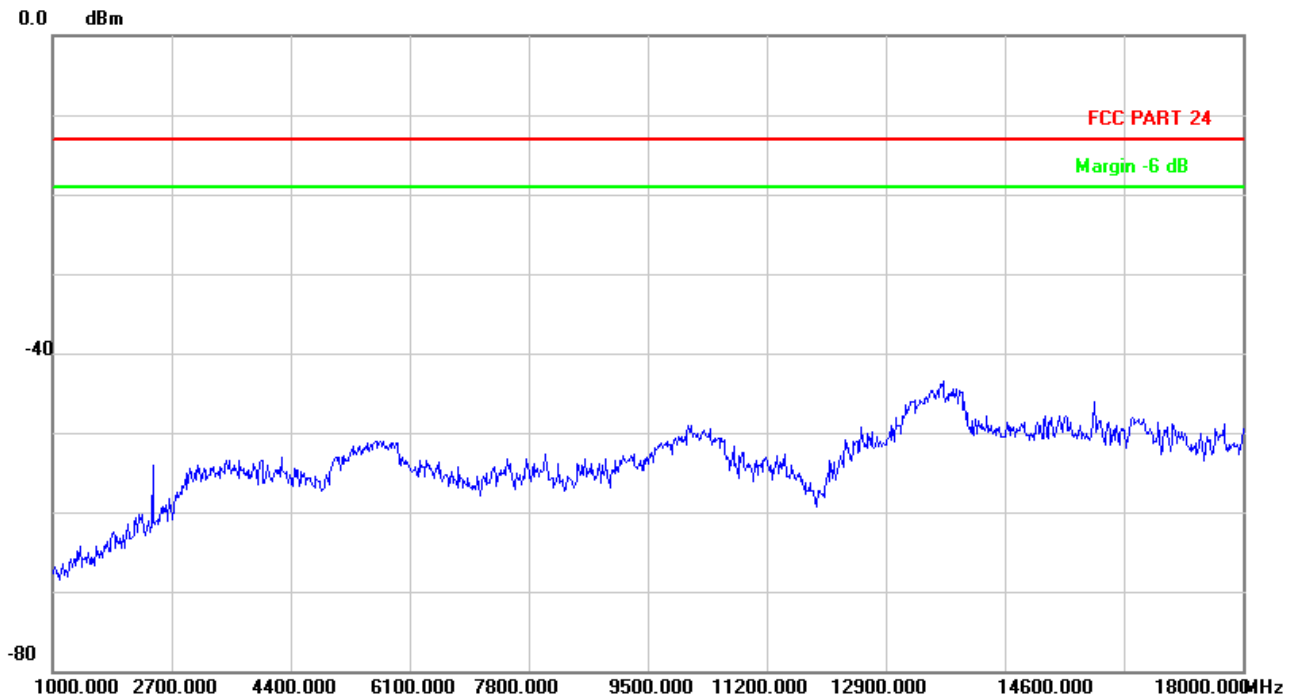
Part I - Test Plots

7.1 For GSM

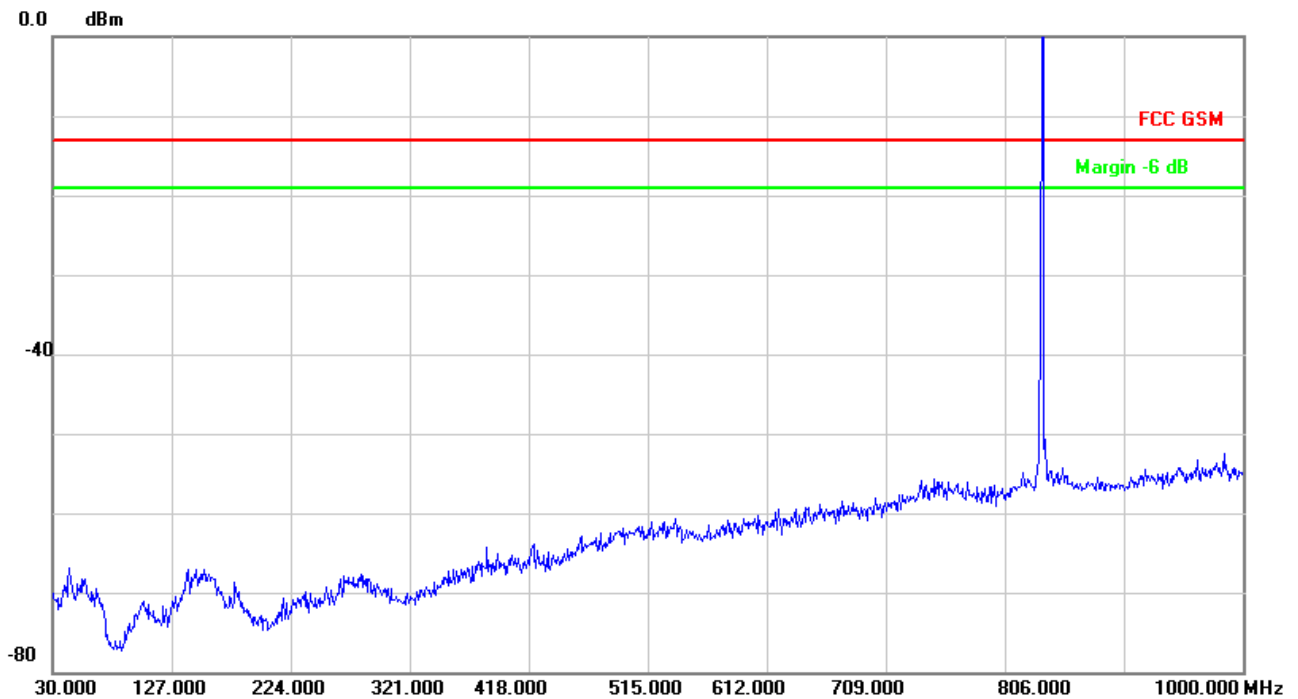
7.1.1 Test Band = GSM850

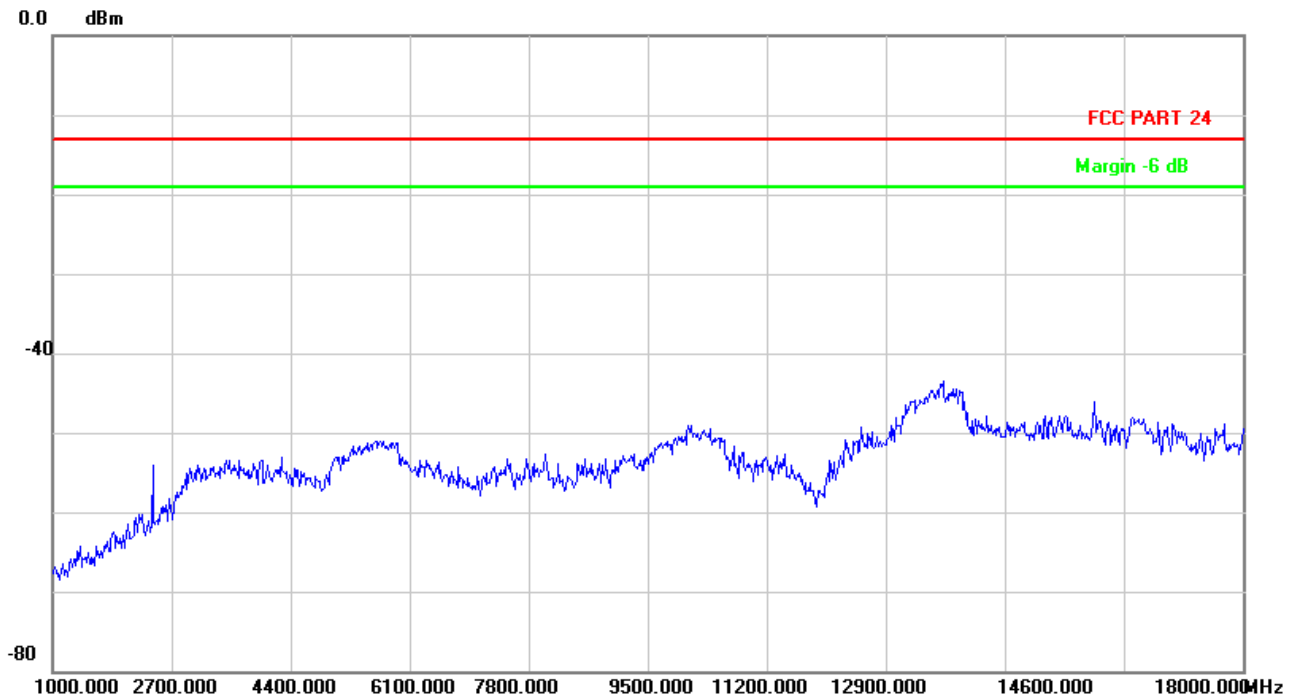
7.1.1.1 Test Mode = GSM/TM1





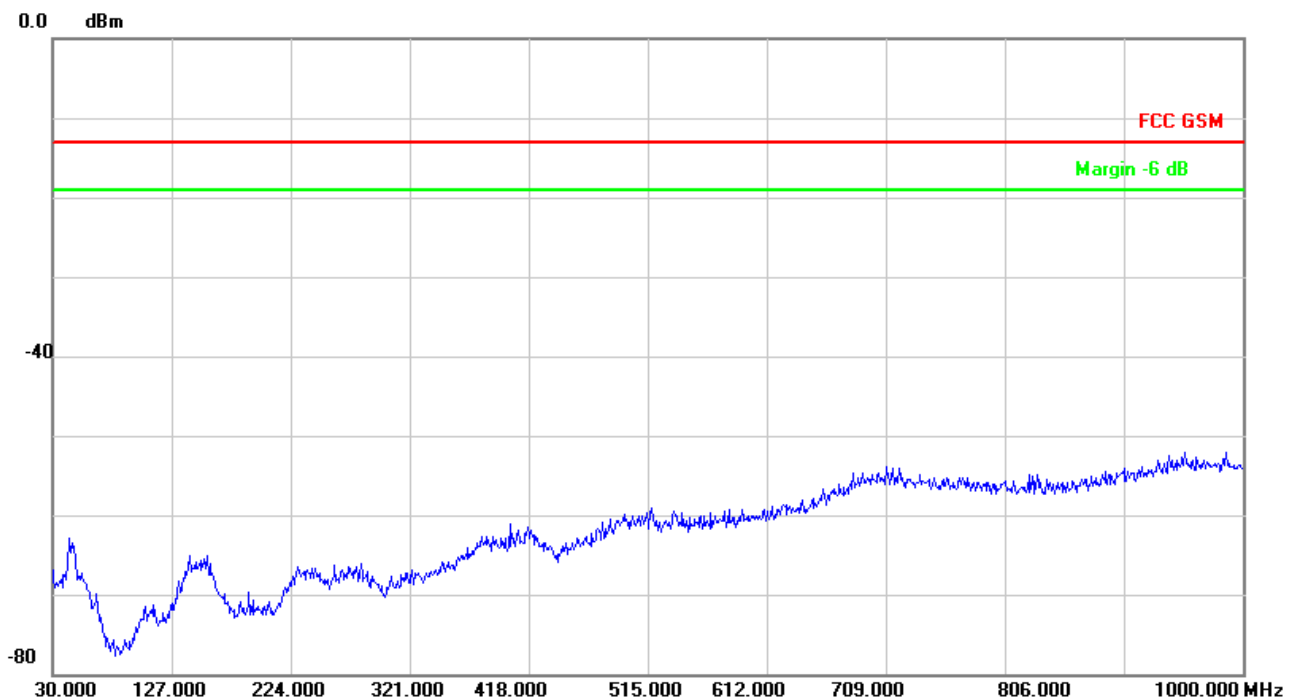
7.1.1.2 Test Mode = GSM/TM2

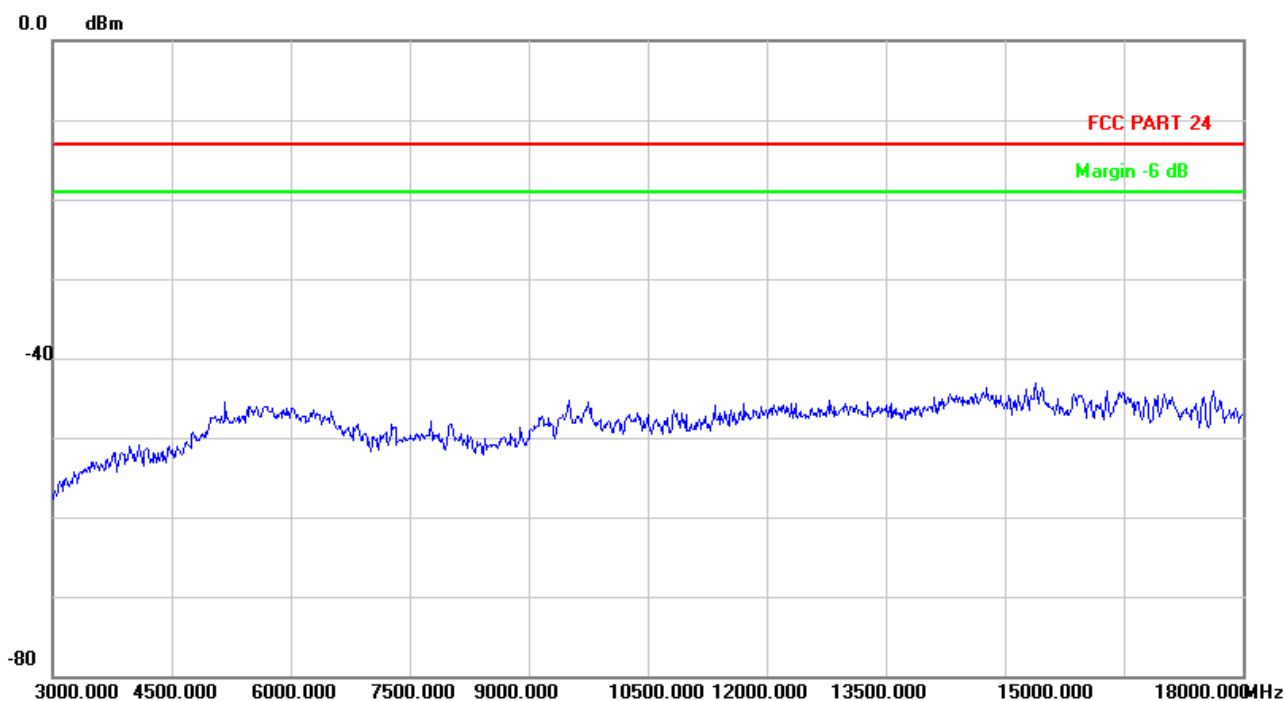
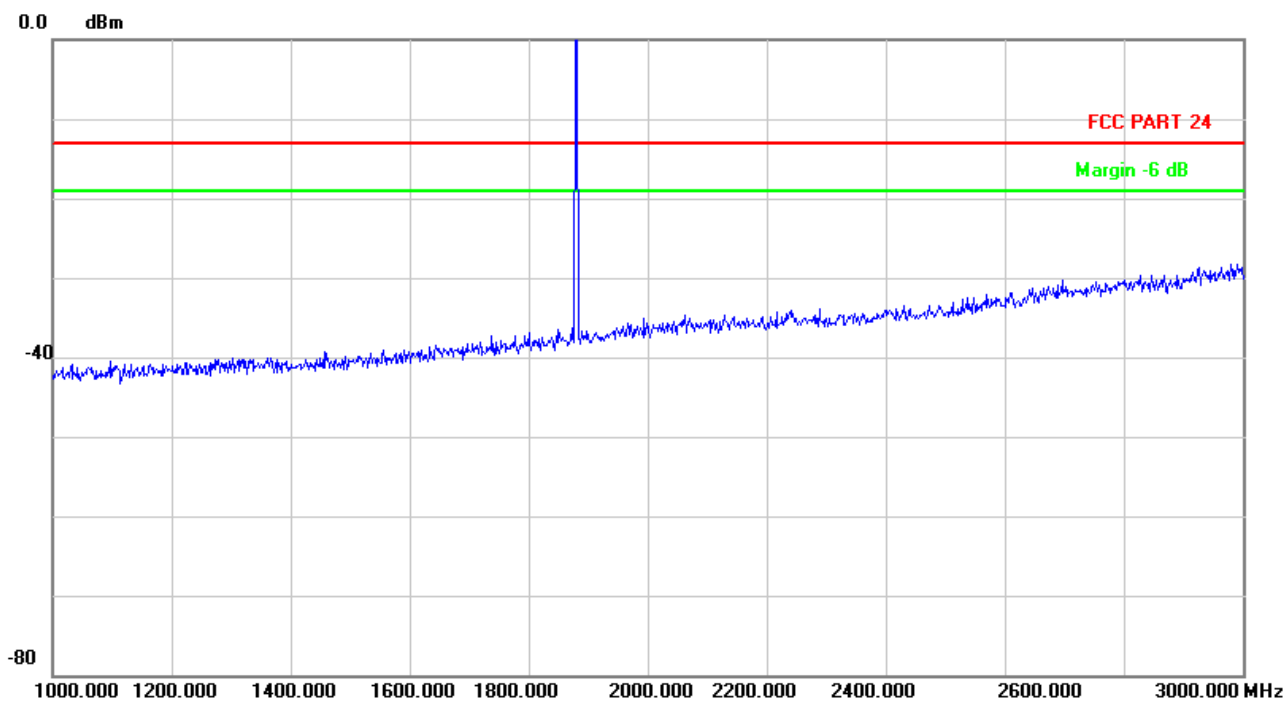


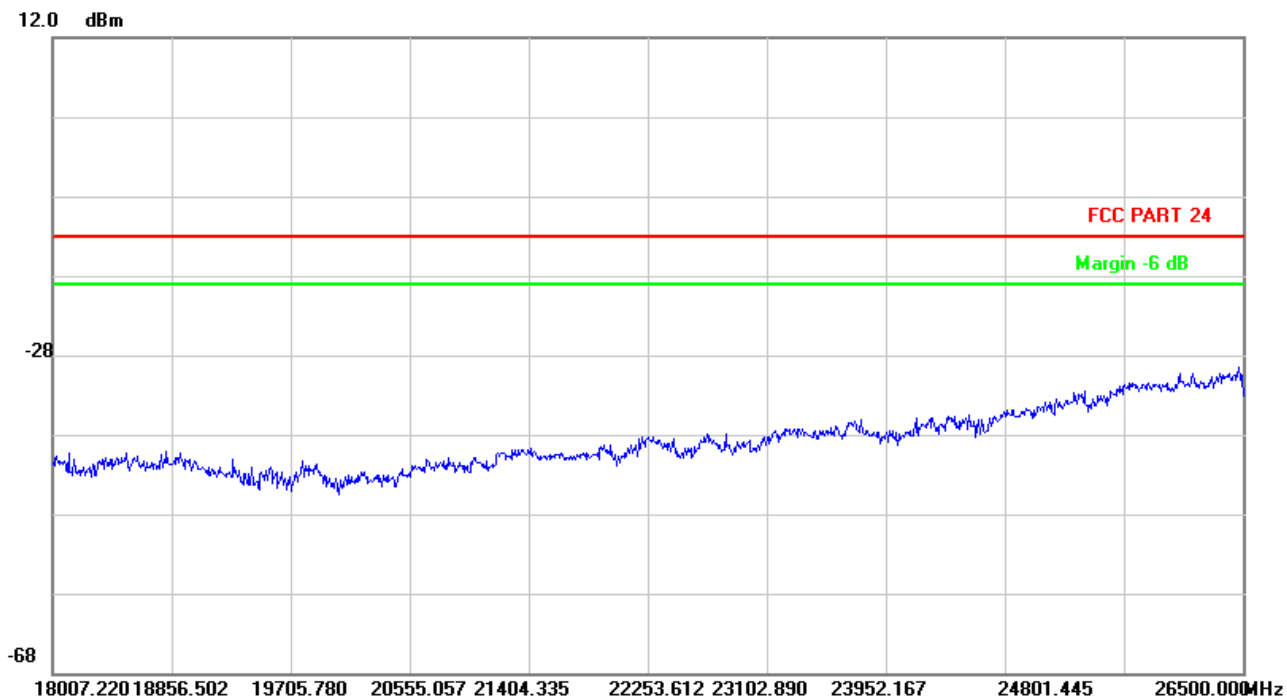


7.1.2 Test Band = GSM1900

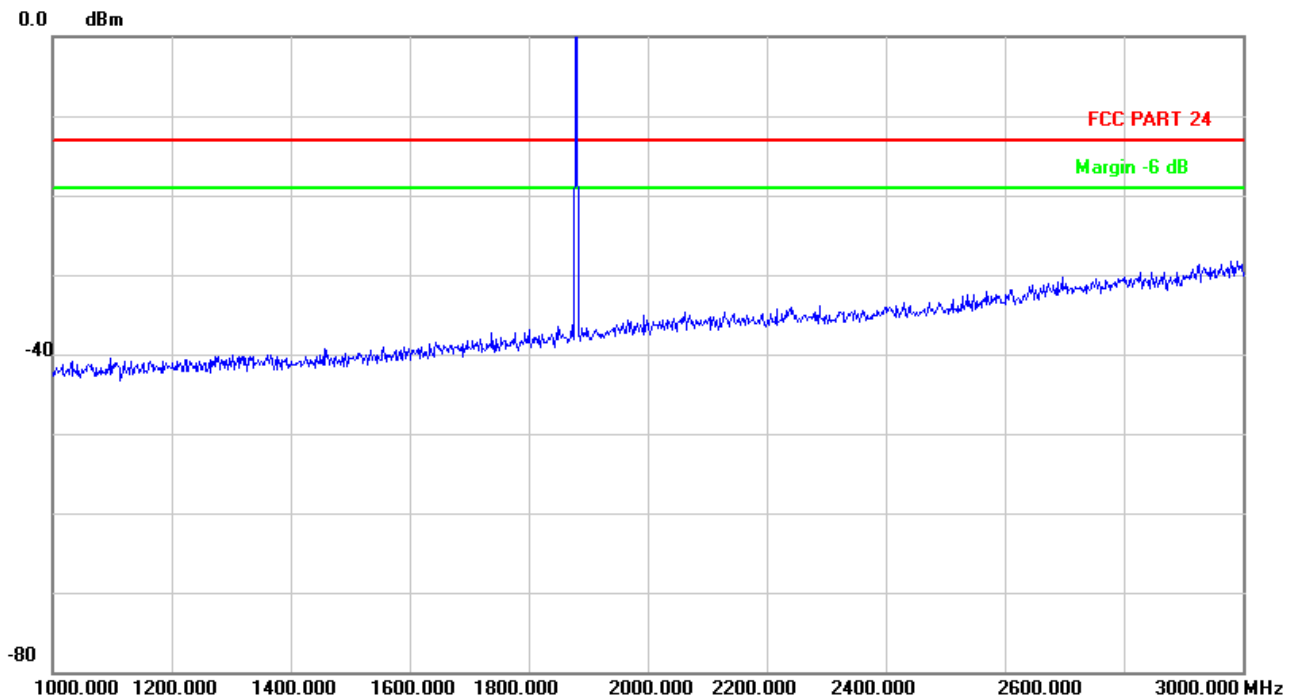
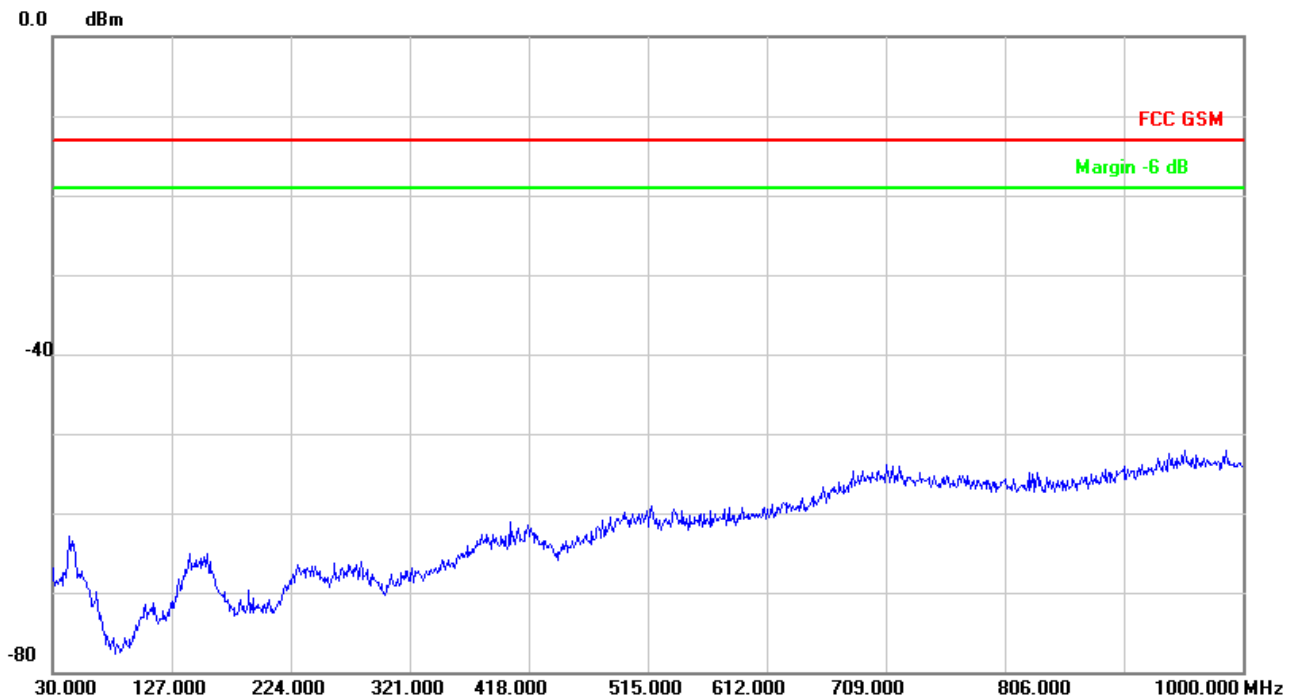
7.1.2.1 Test Mode = GSM/TM1

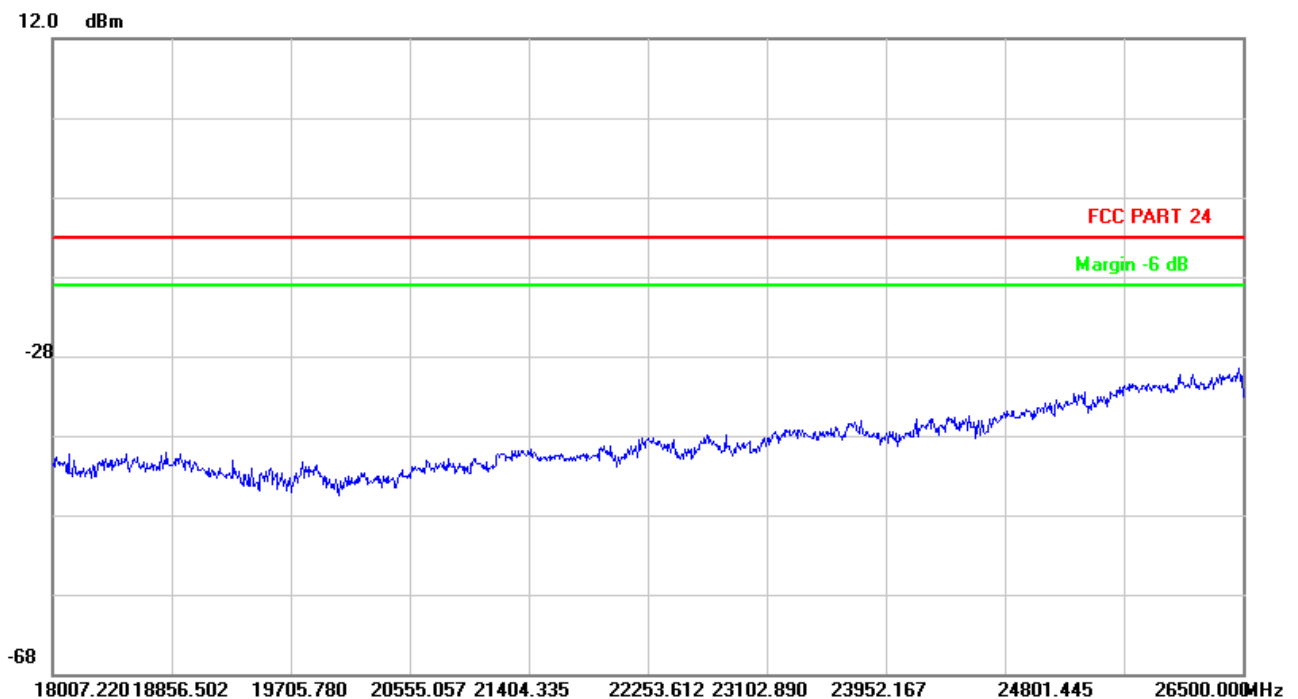
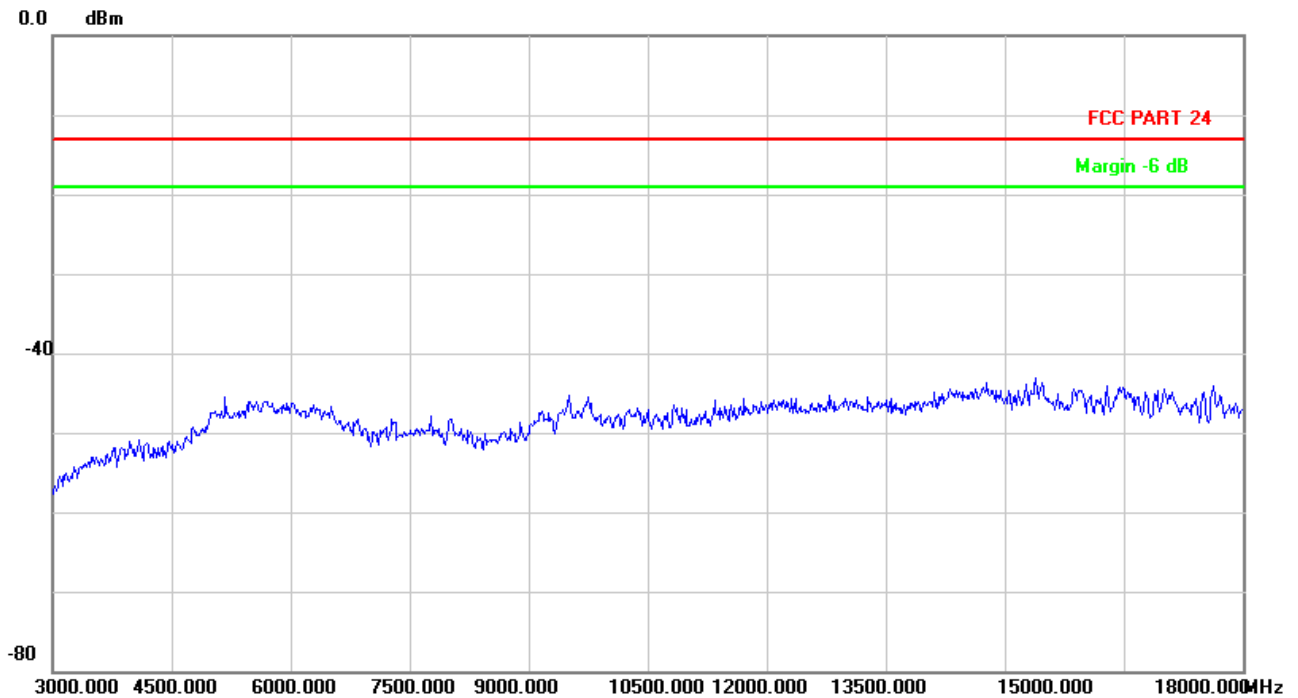






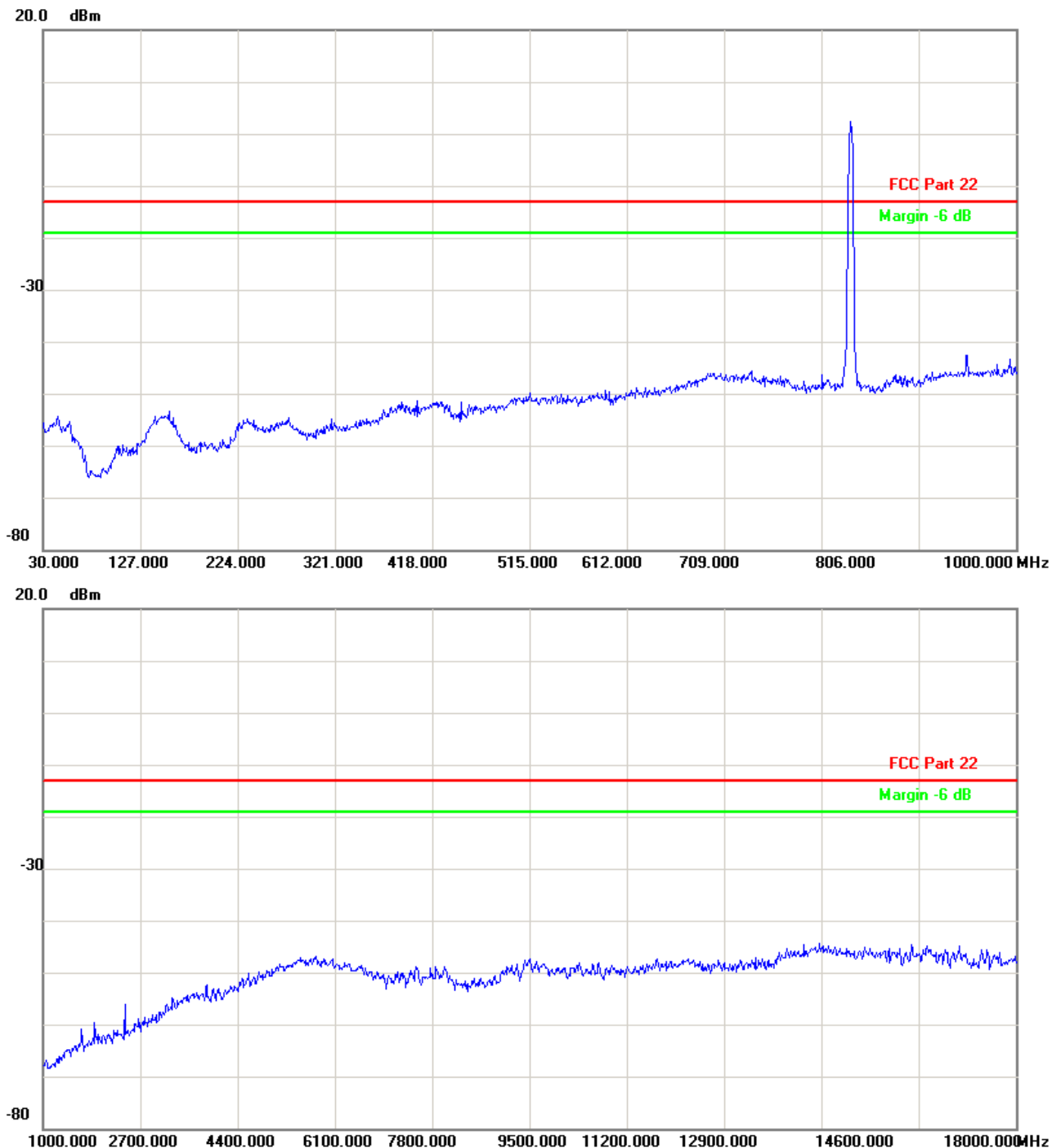
7.1.2.2 Test Mode = GSM/TM2



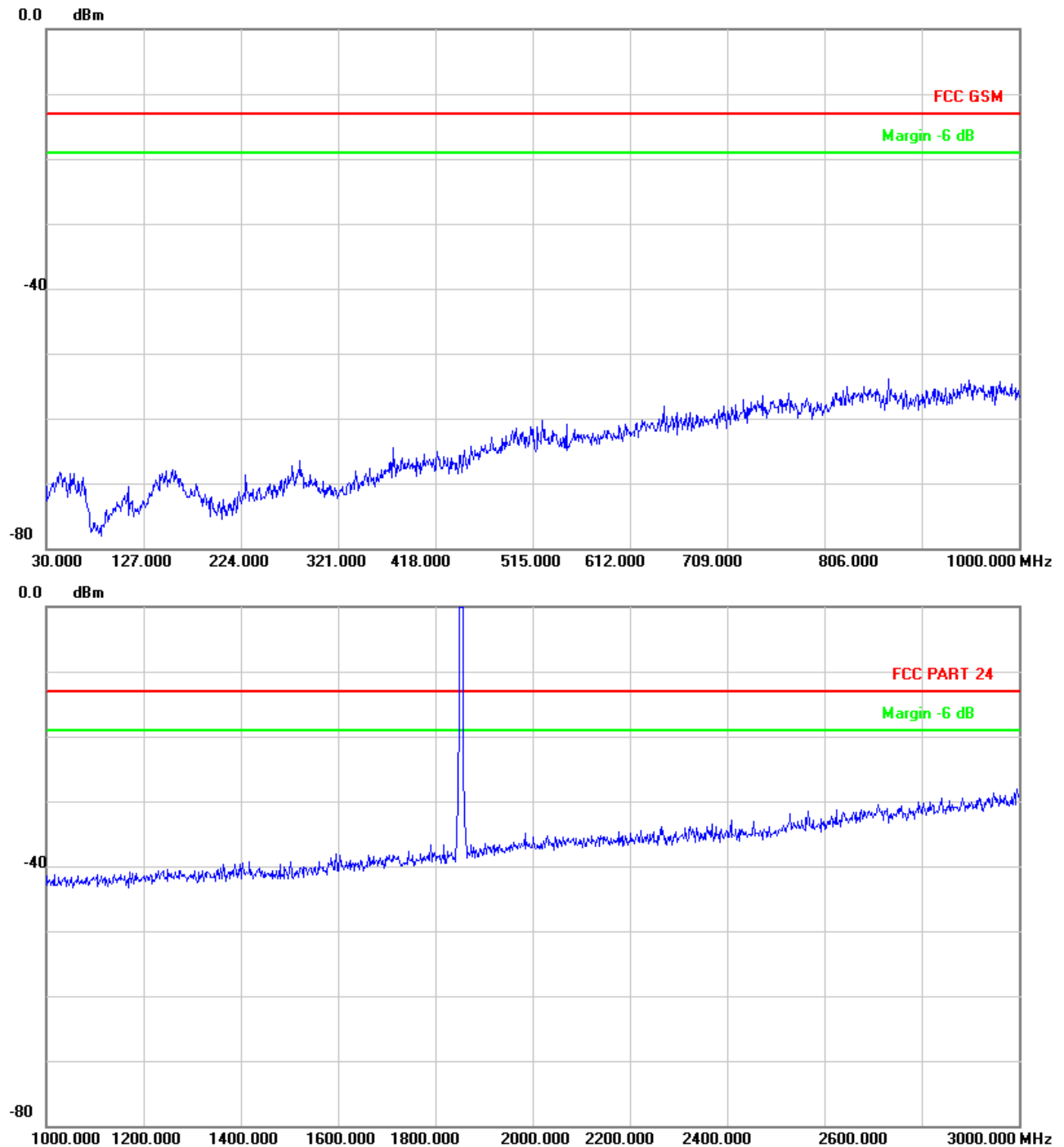


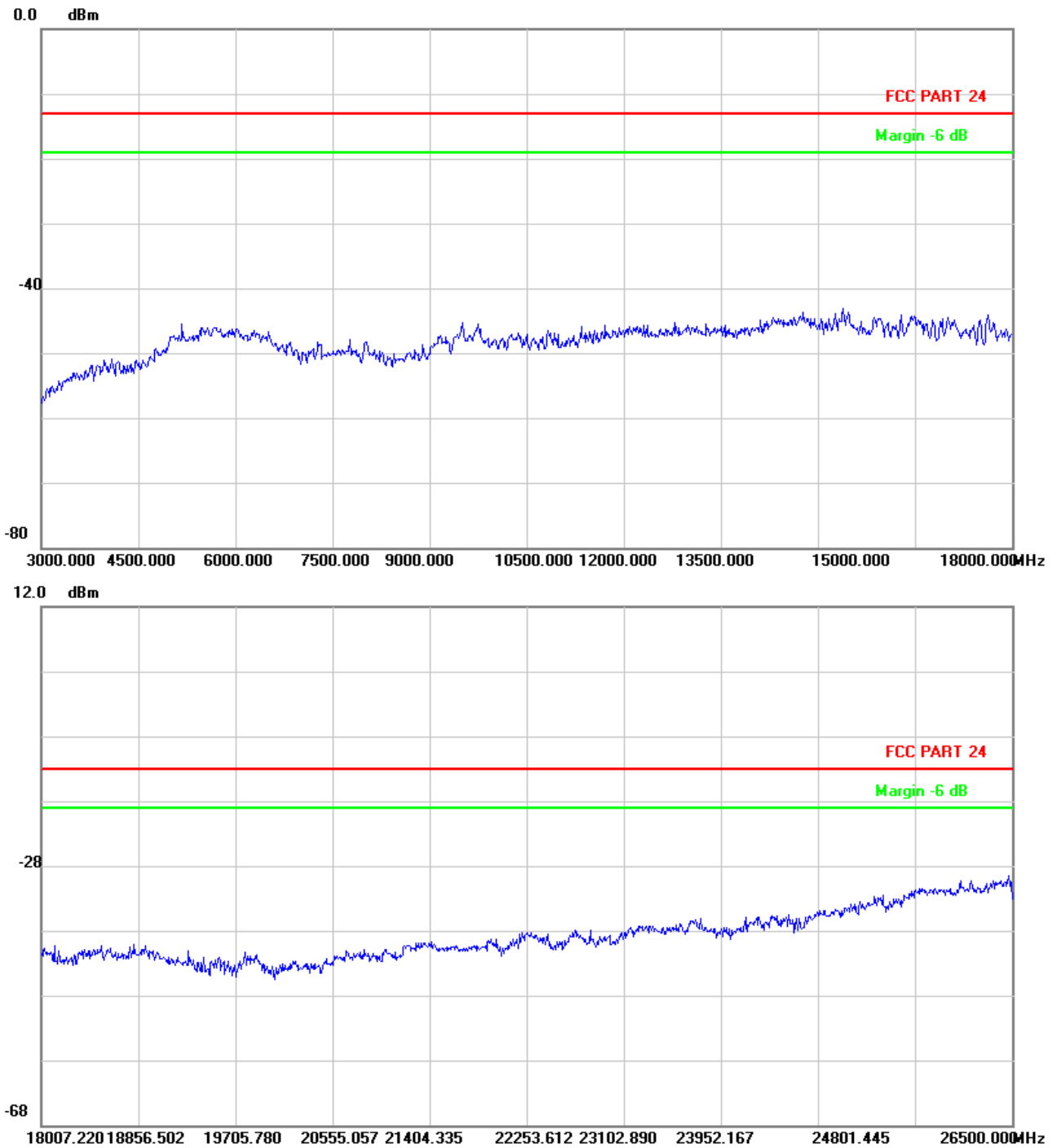
7.2 For UMTS

7.2.1 Test Band = WCDMA850

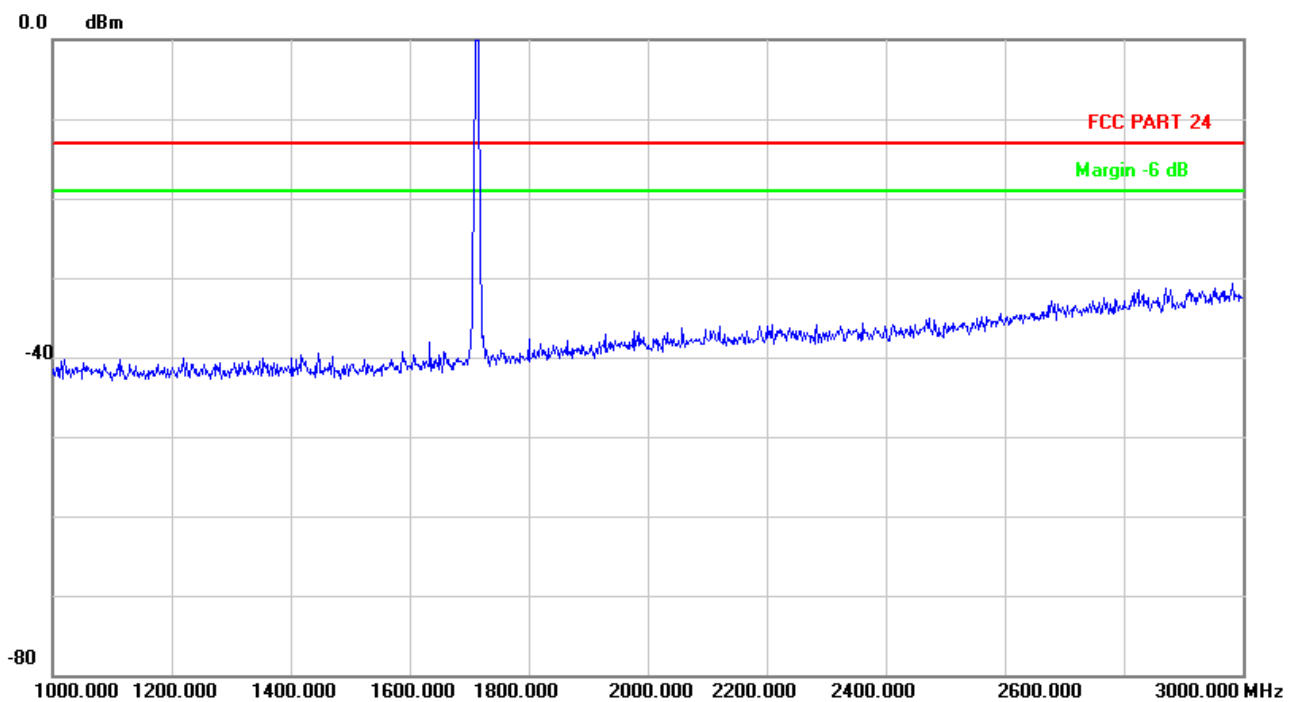
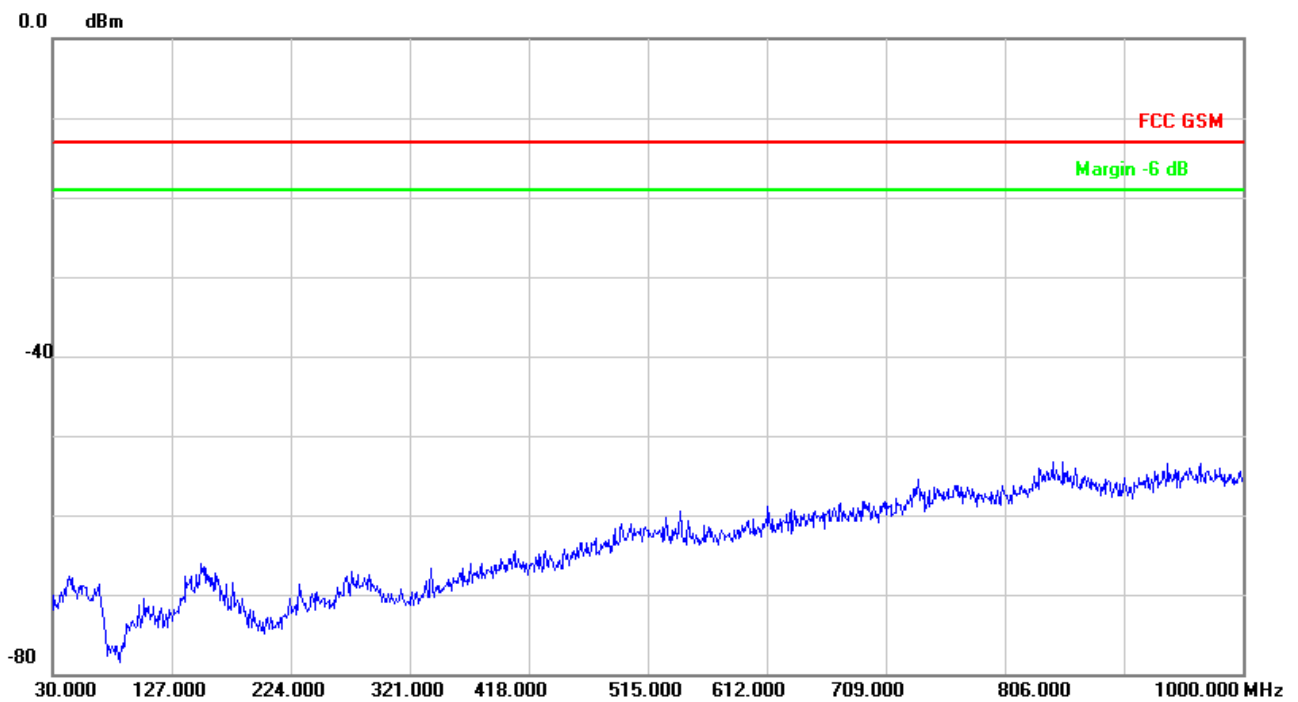


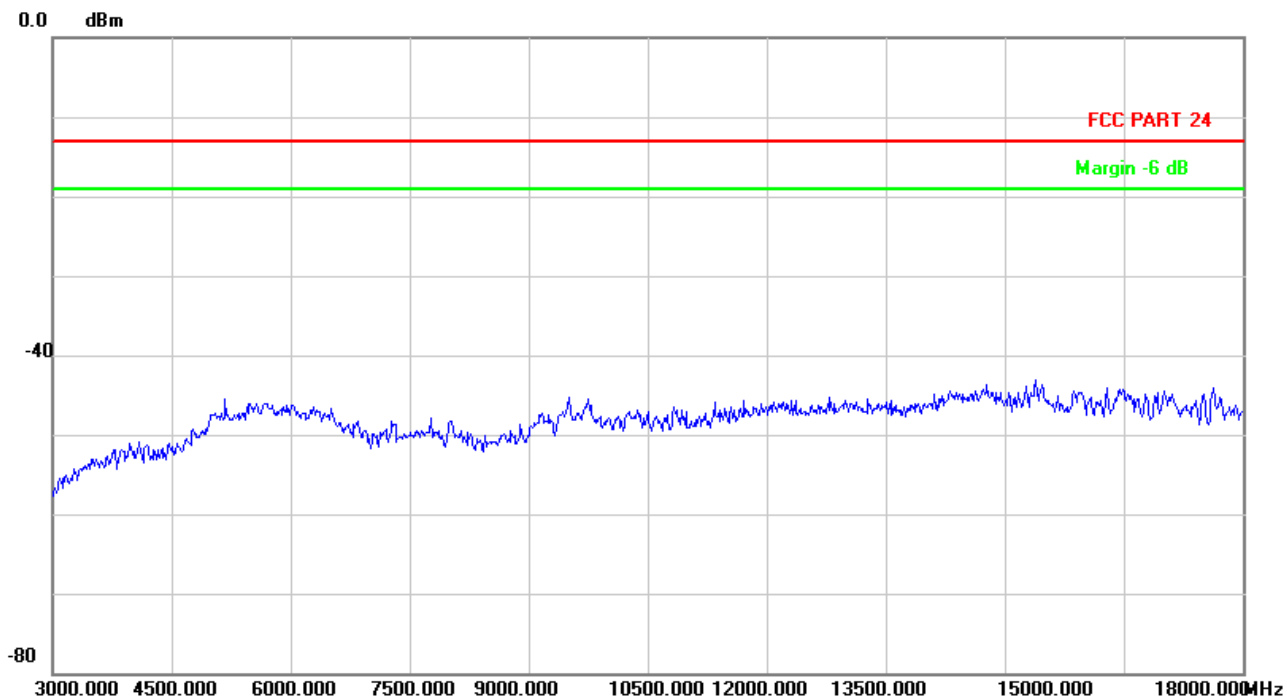
7.2.2 Test Band = WCDMA1900





7.2.3 Test Band = WCDMA1700

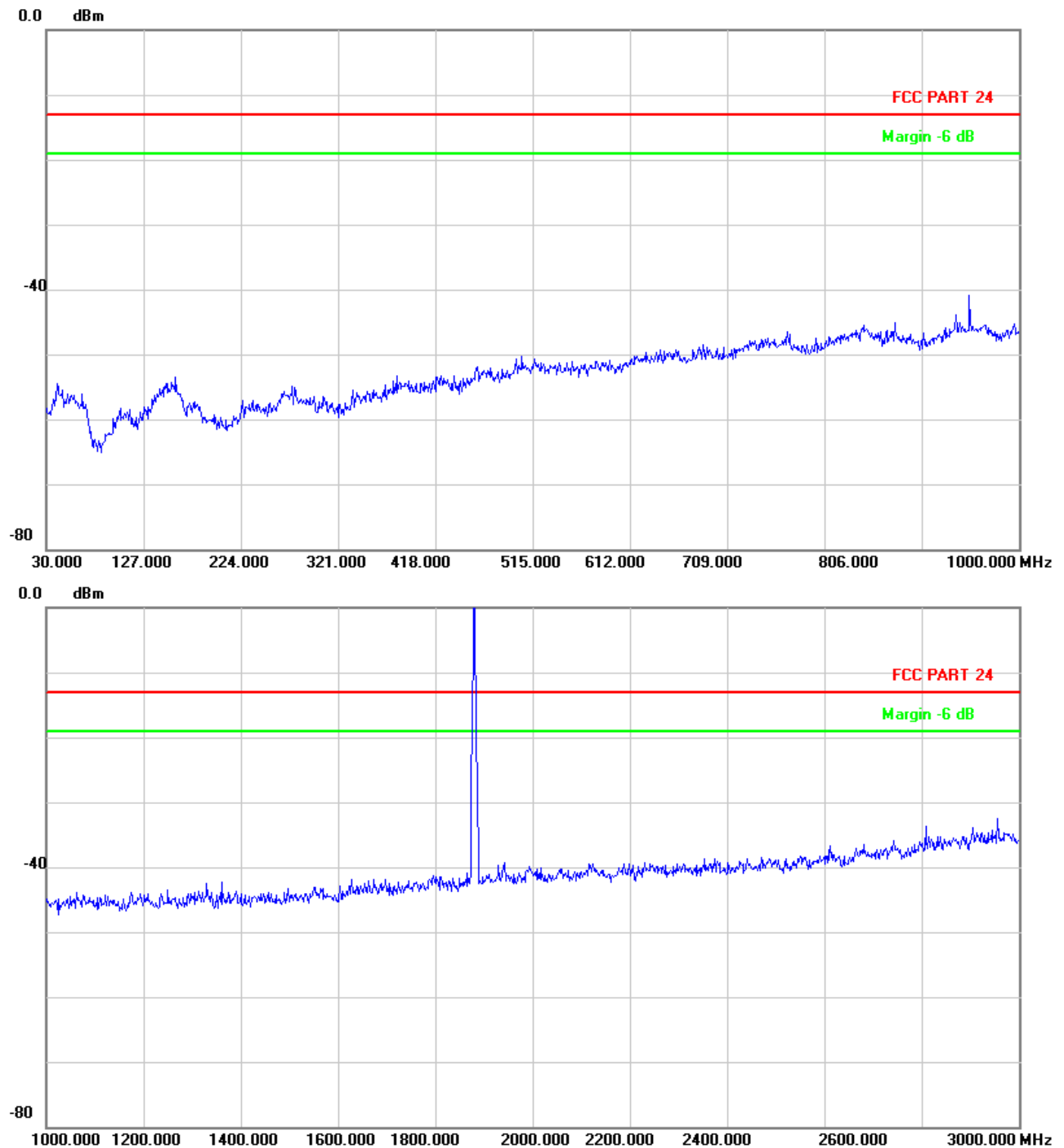


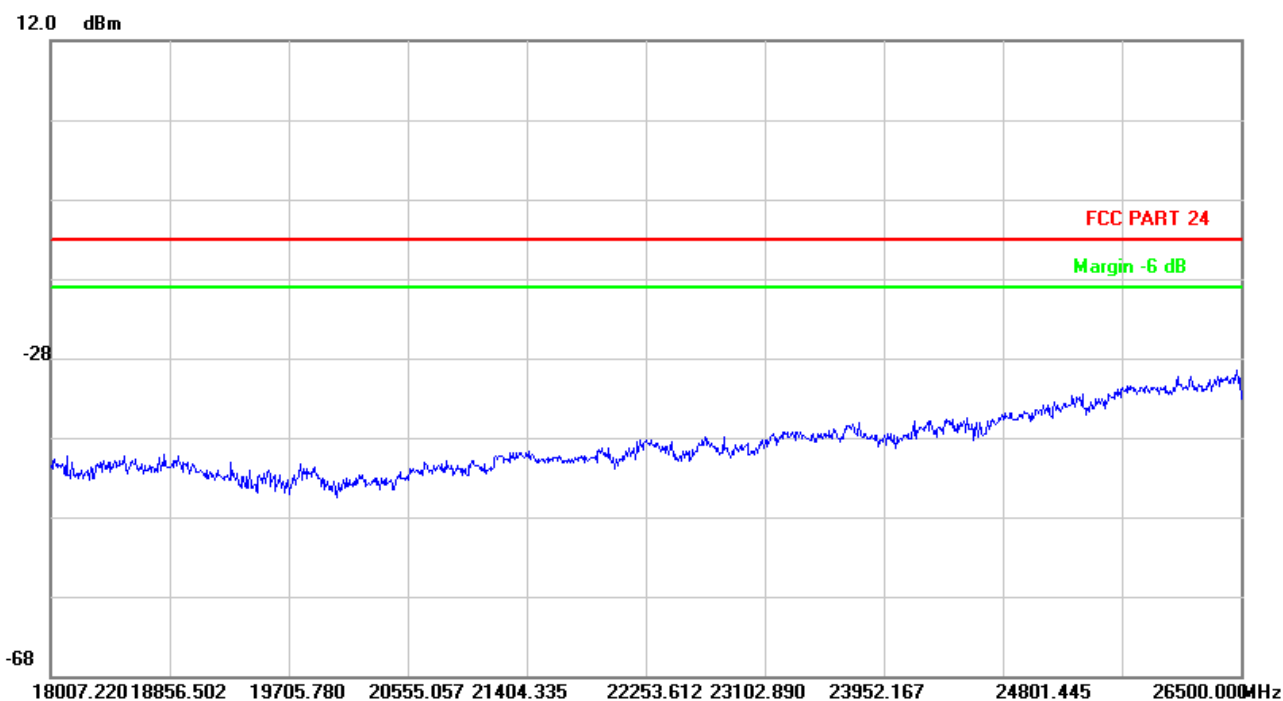
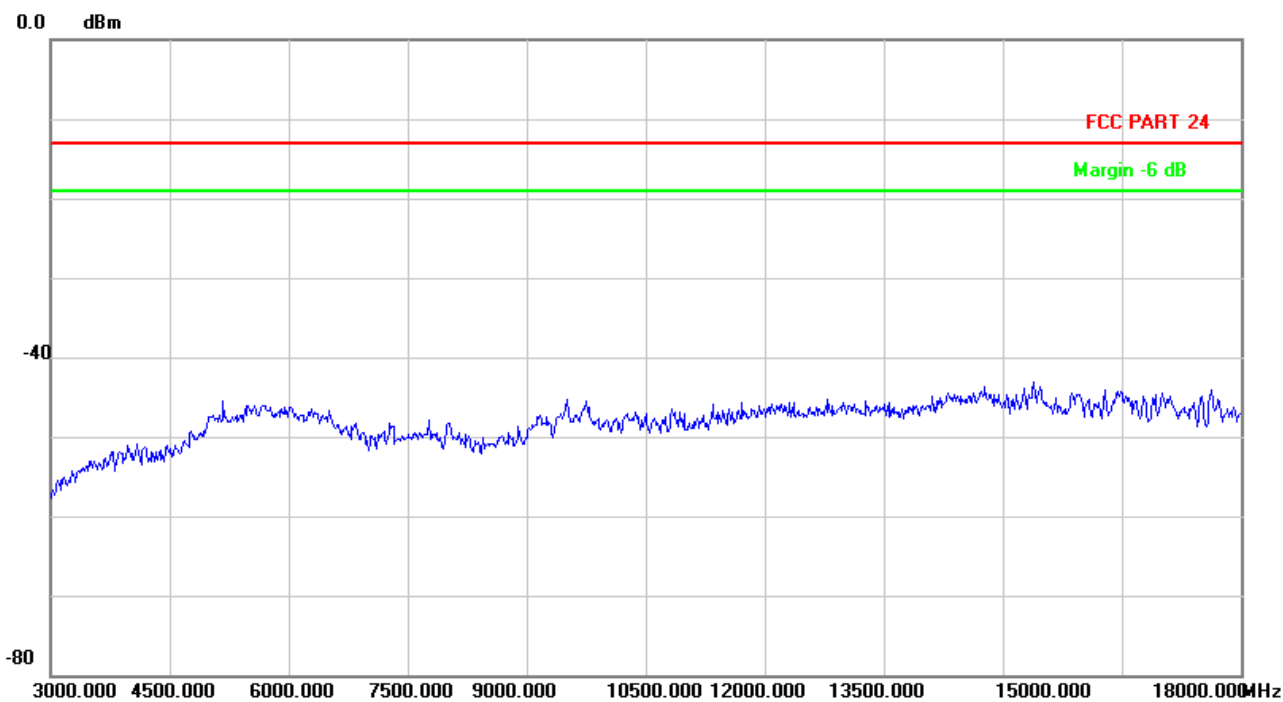


7.3 For LTE

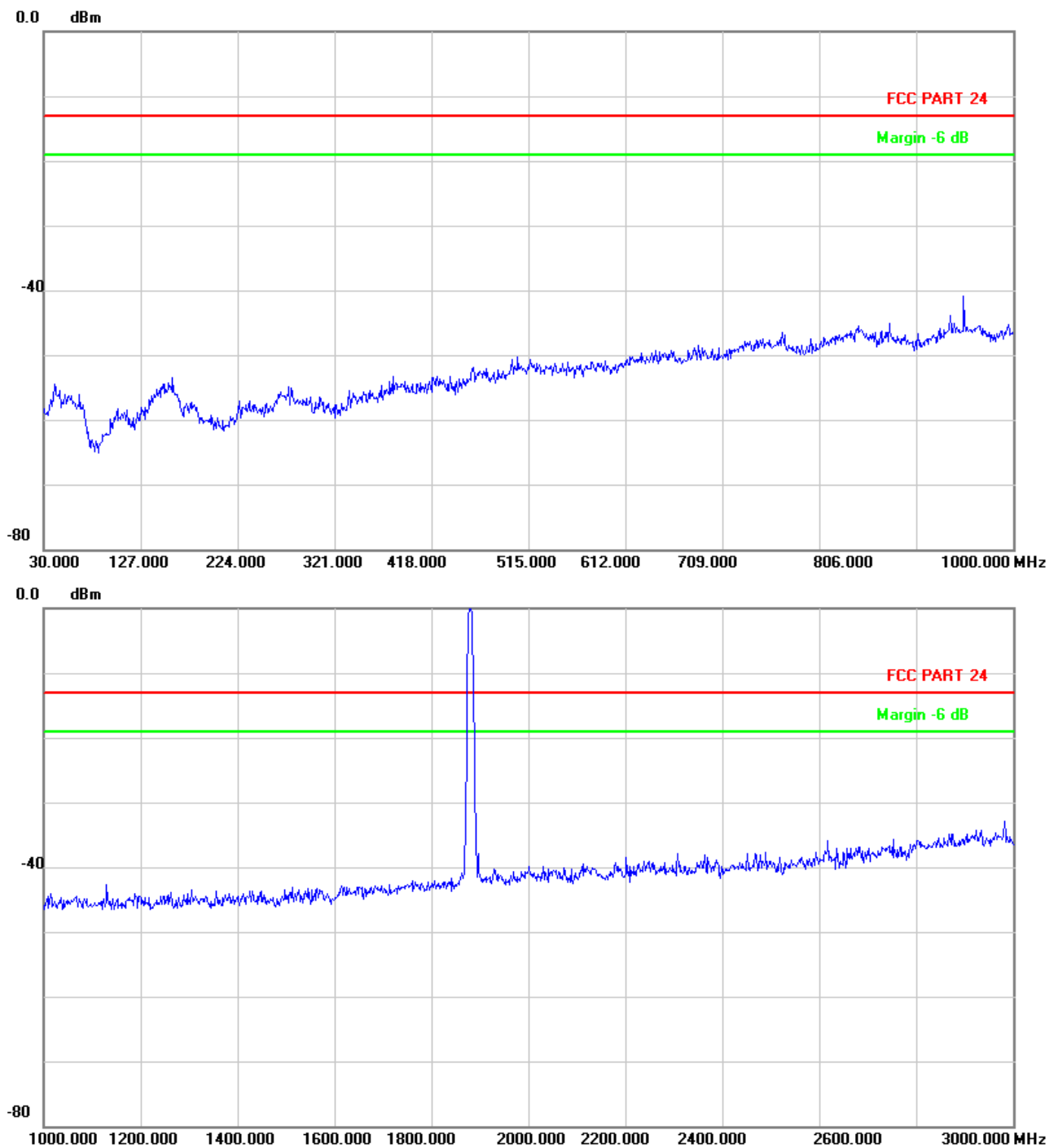
7.3.1 Test Band = BAND2

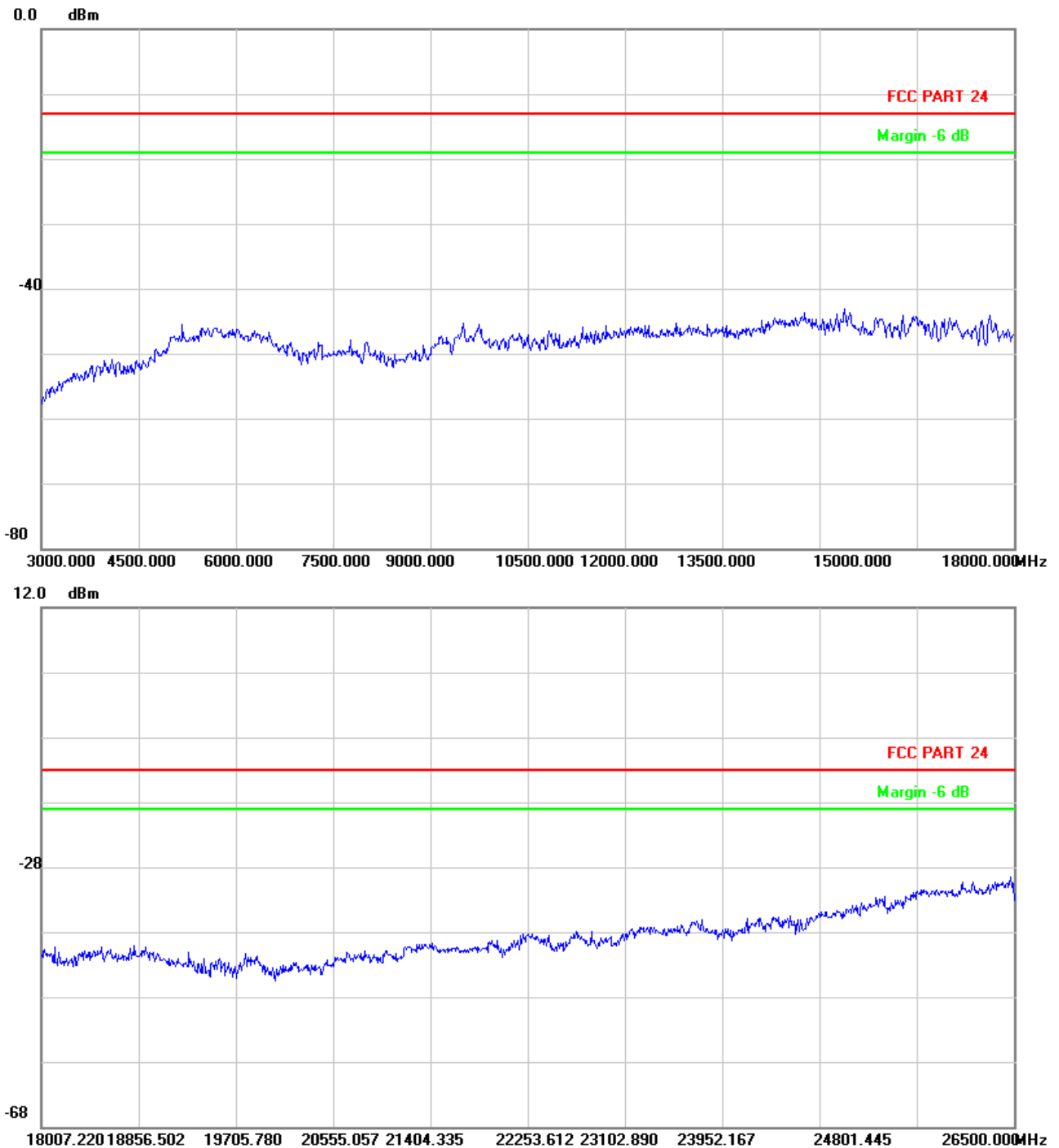
7.3.1.1 Test Bandwidth = 1.4



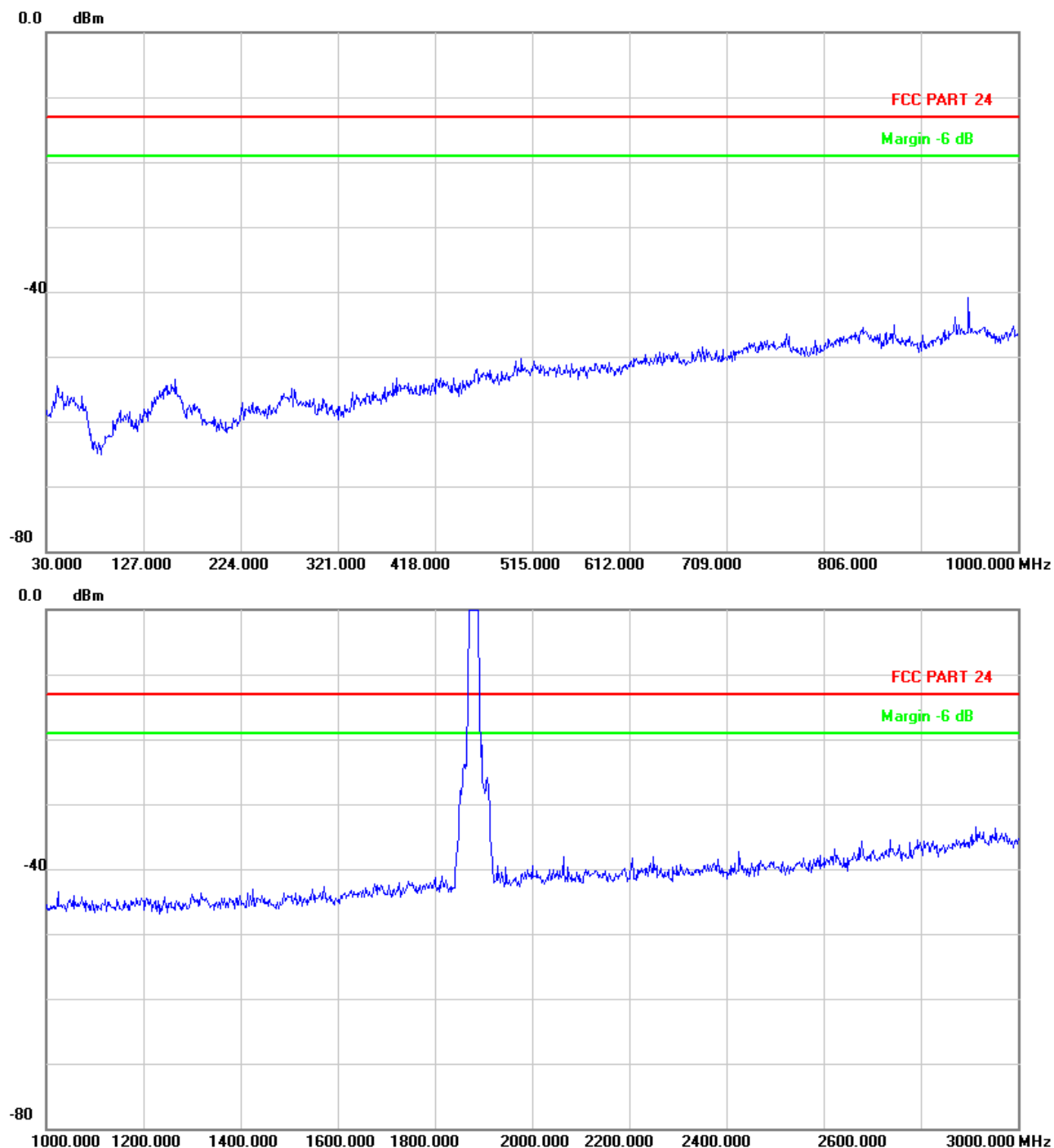


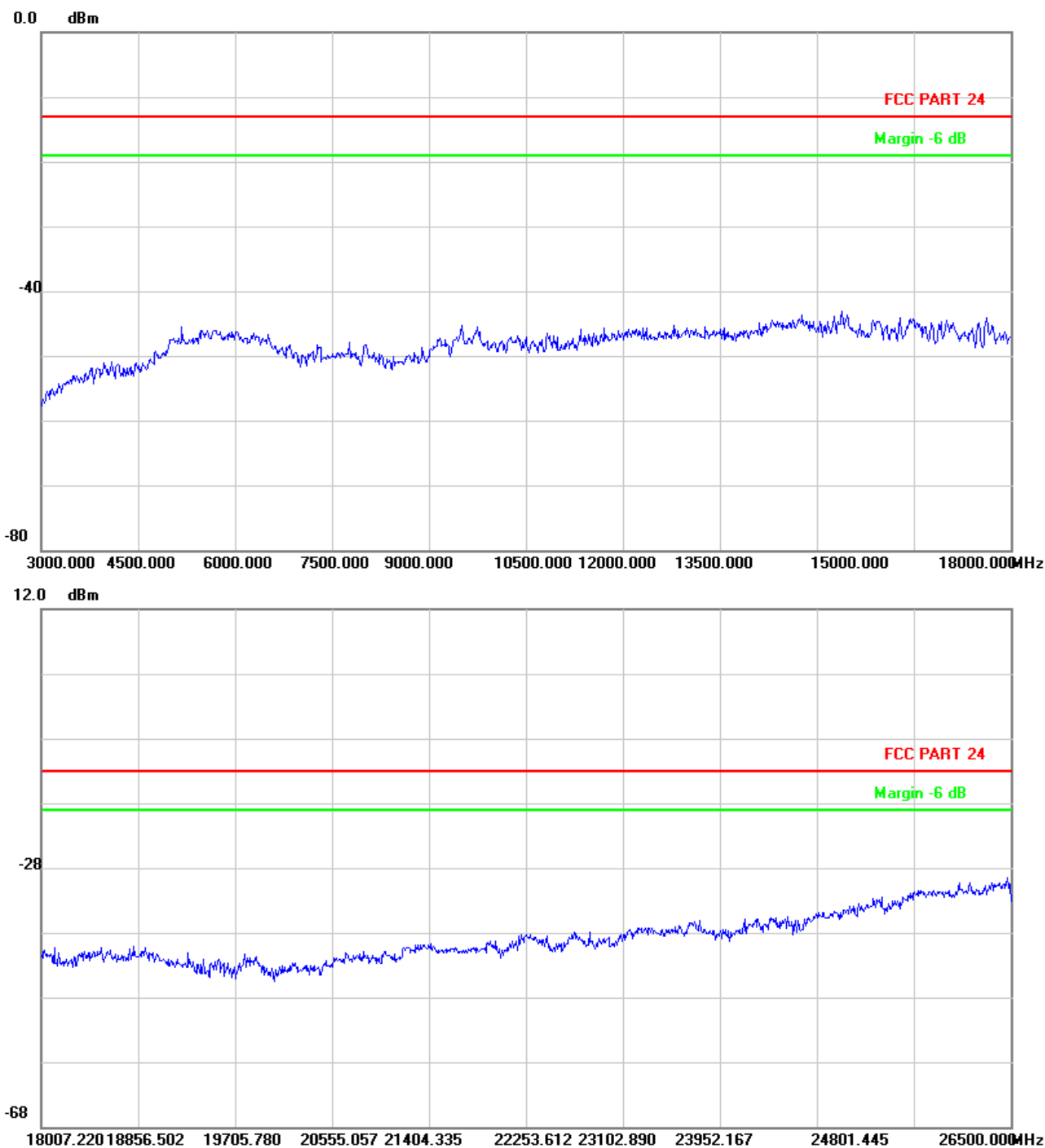
7.3.1.2 Test Bandwidth = 5





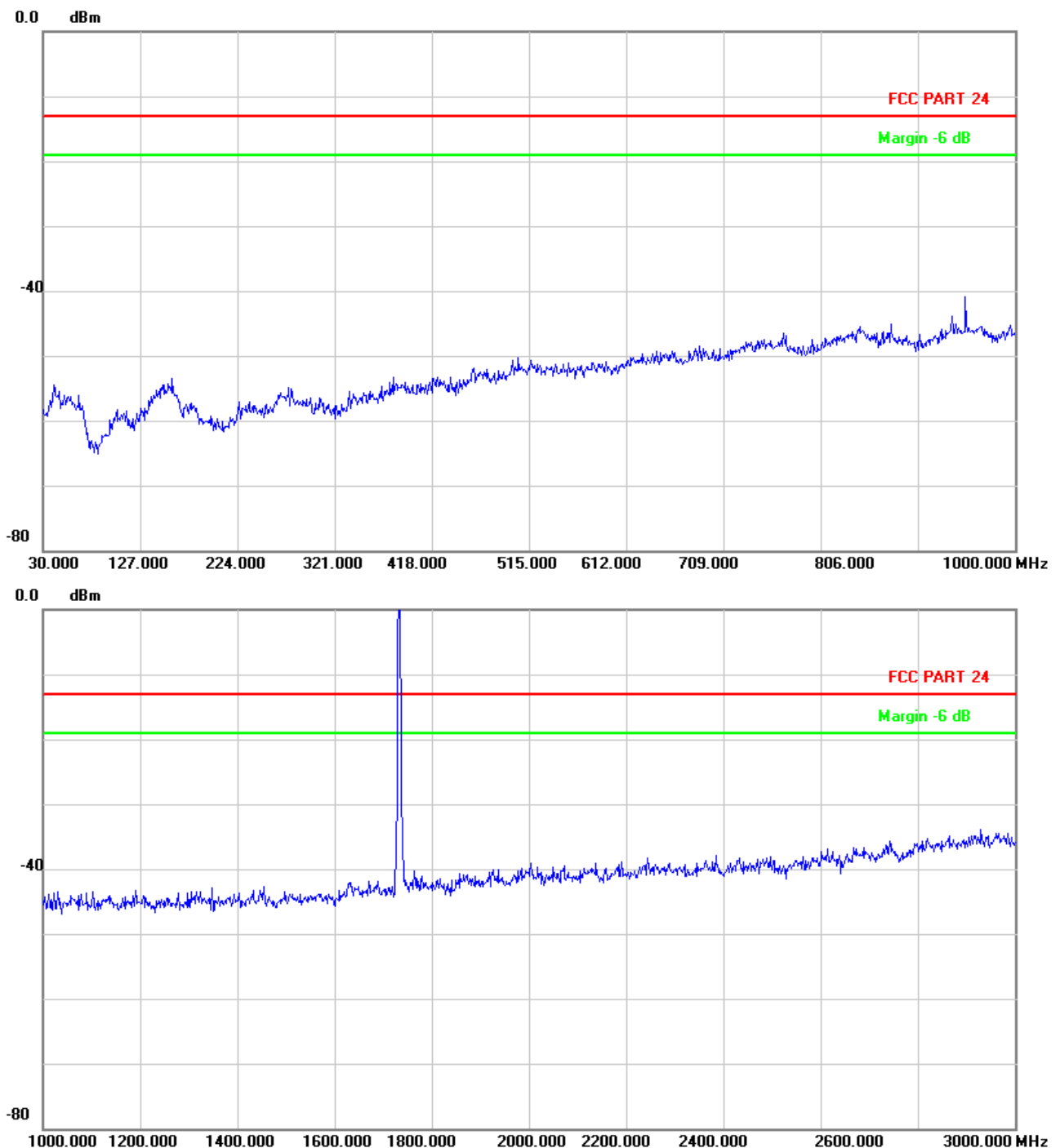
7.3.1.3 Test Bandwidth = 20

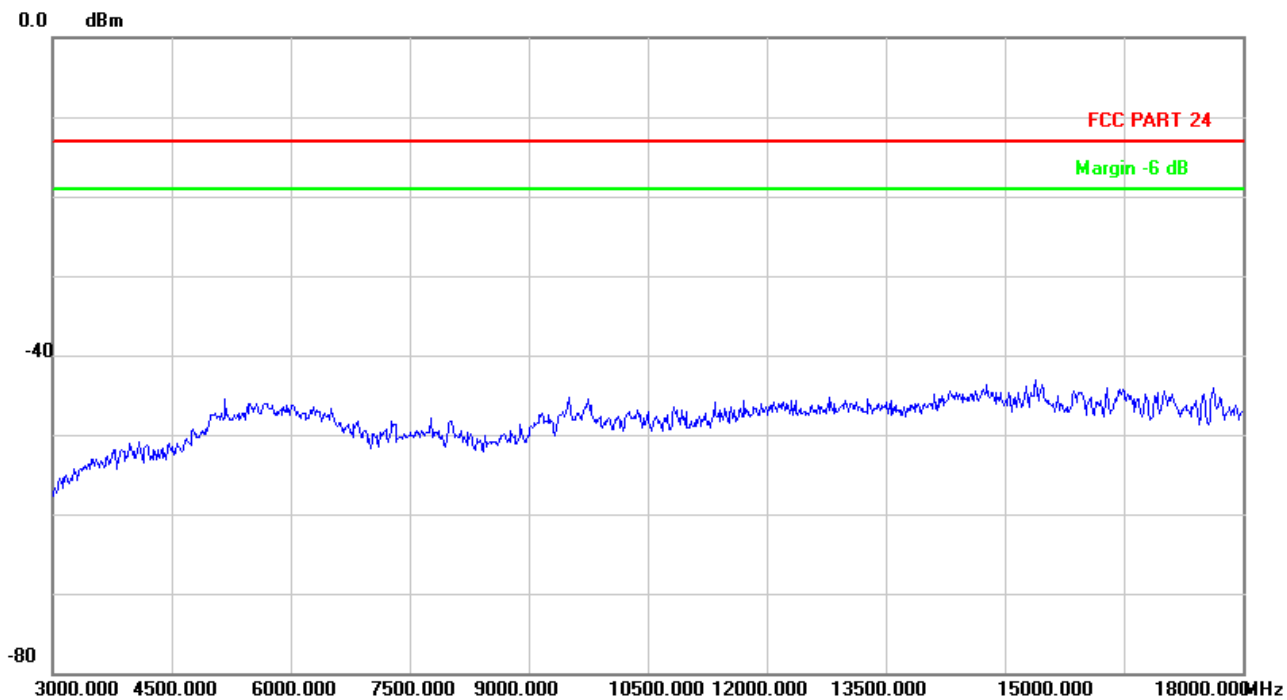




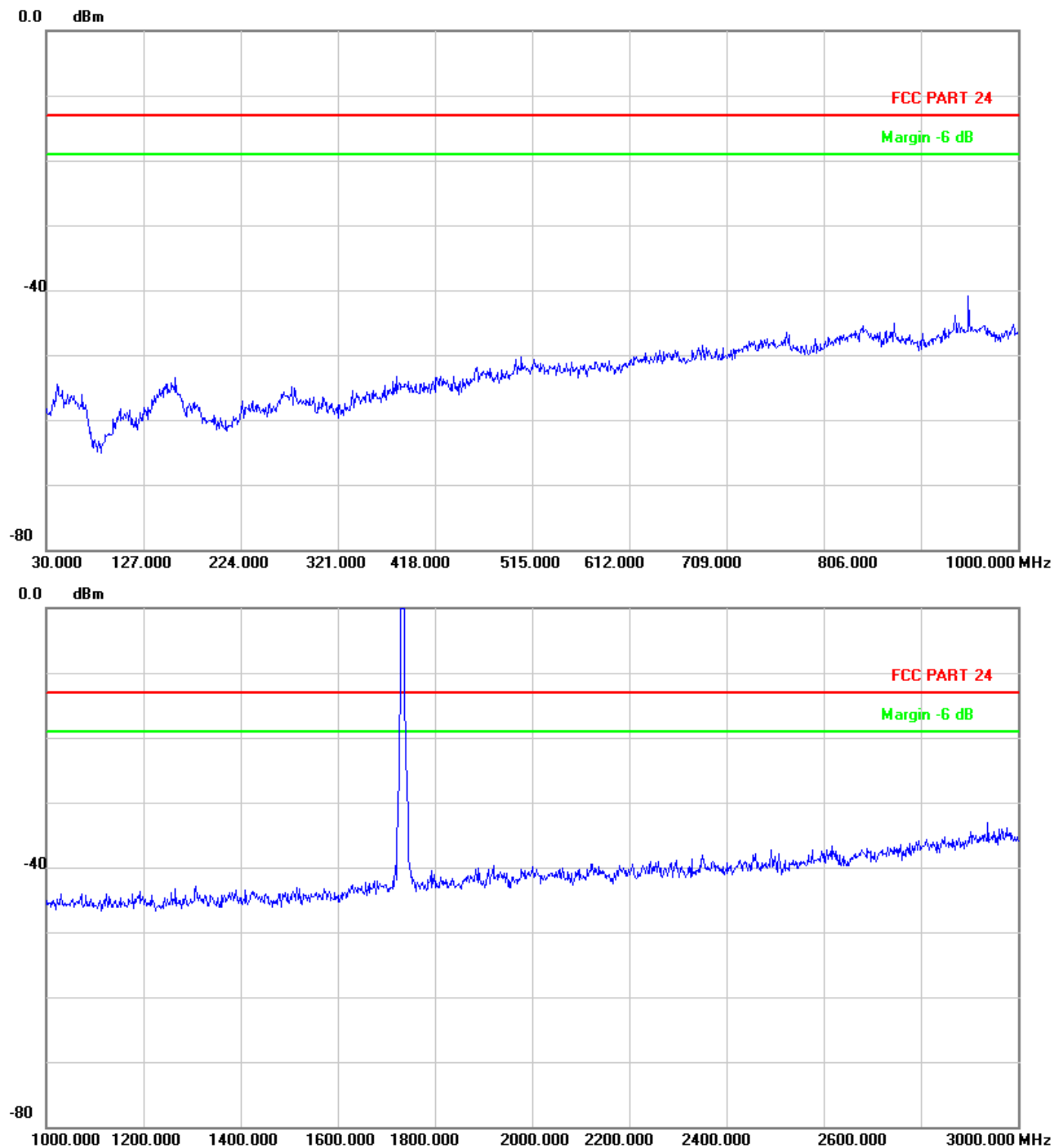
7.3.2 Test Band = BAND4

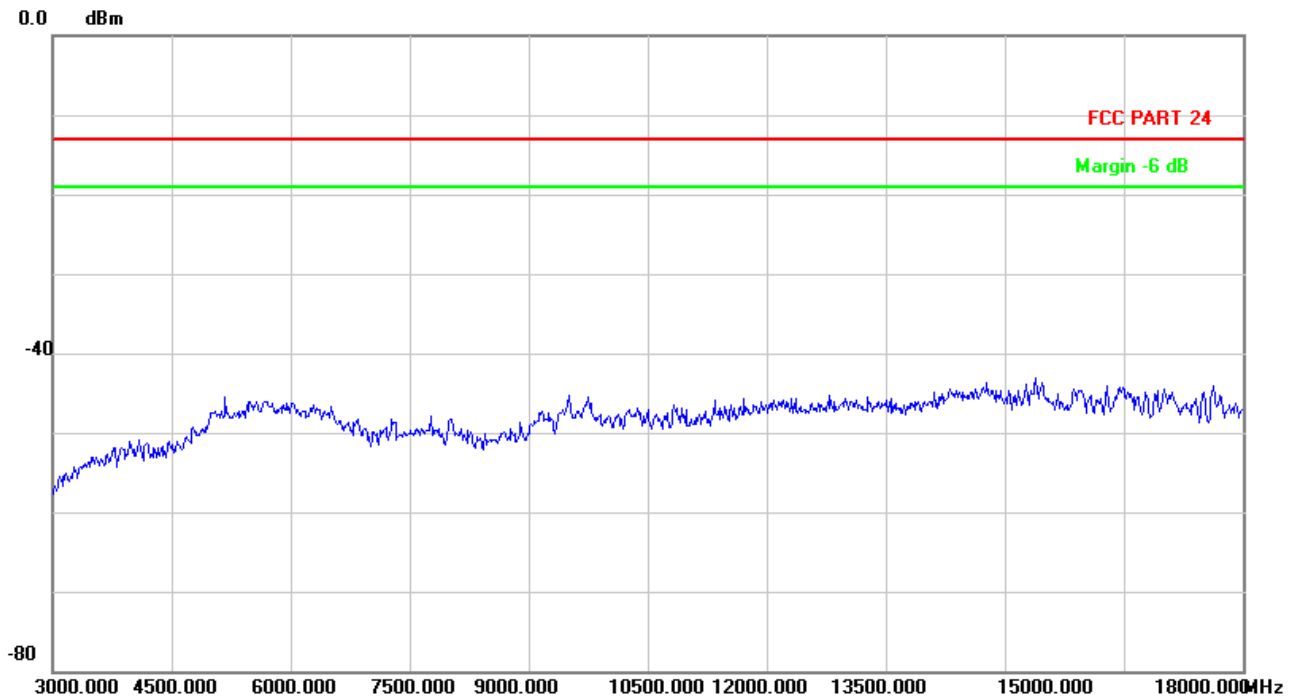
7.3.2.1 Test Bandwidth = 1.4



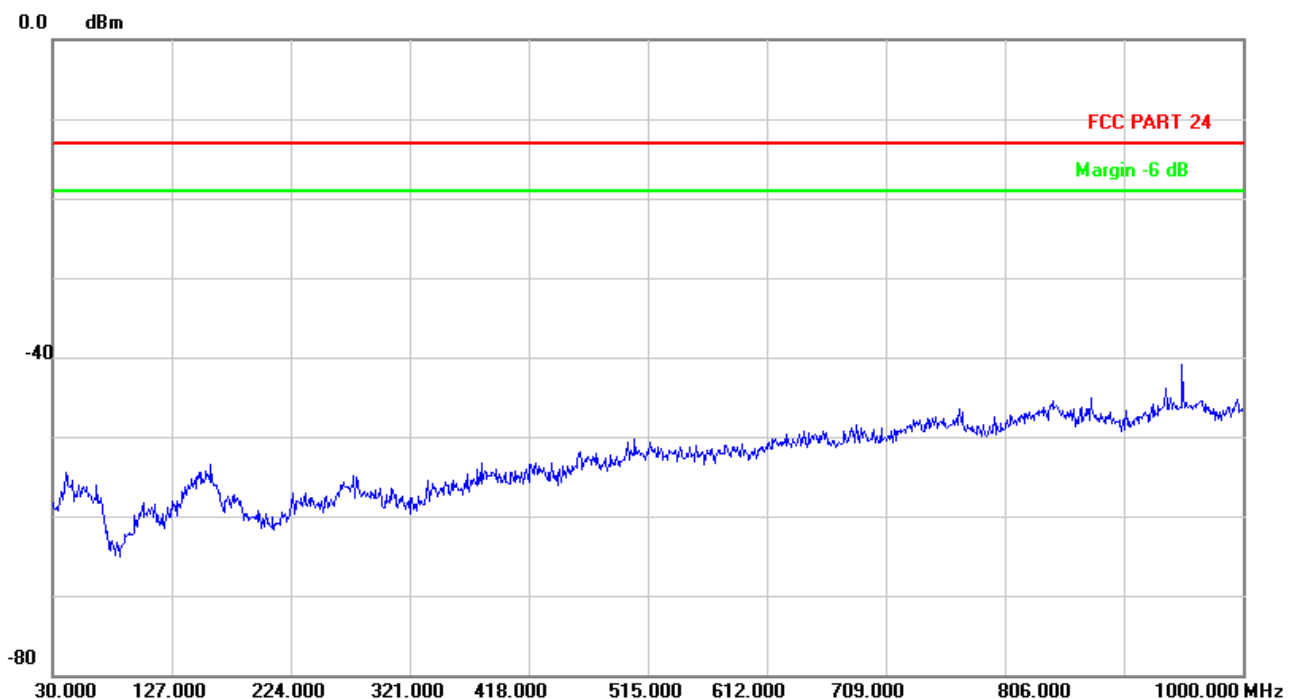


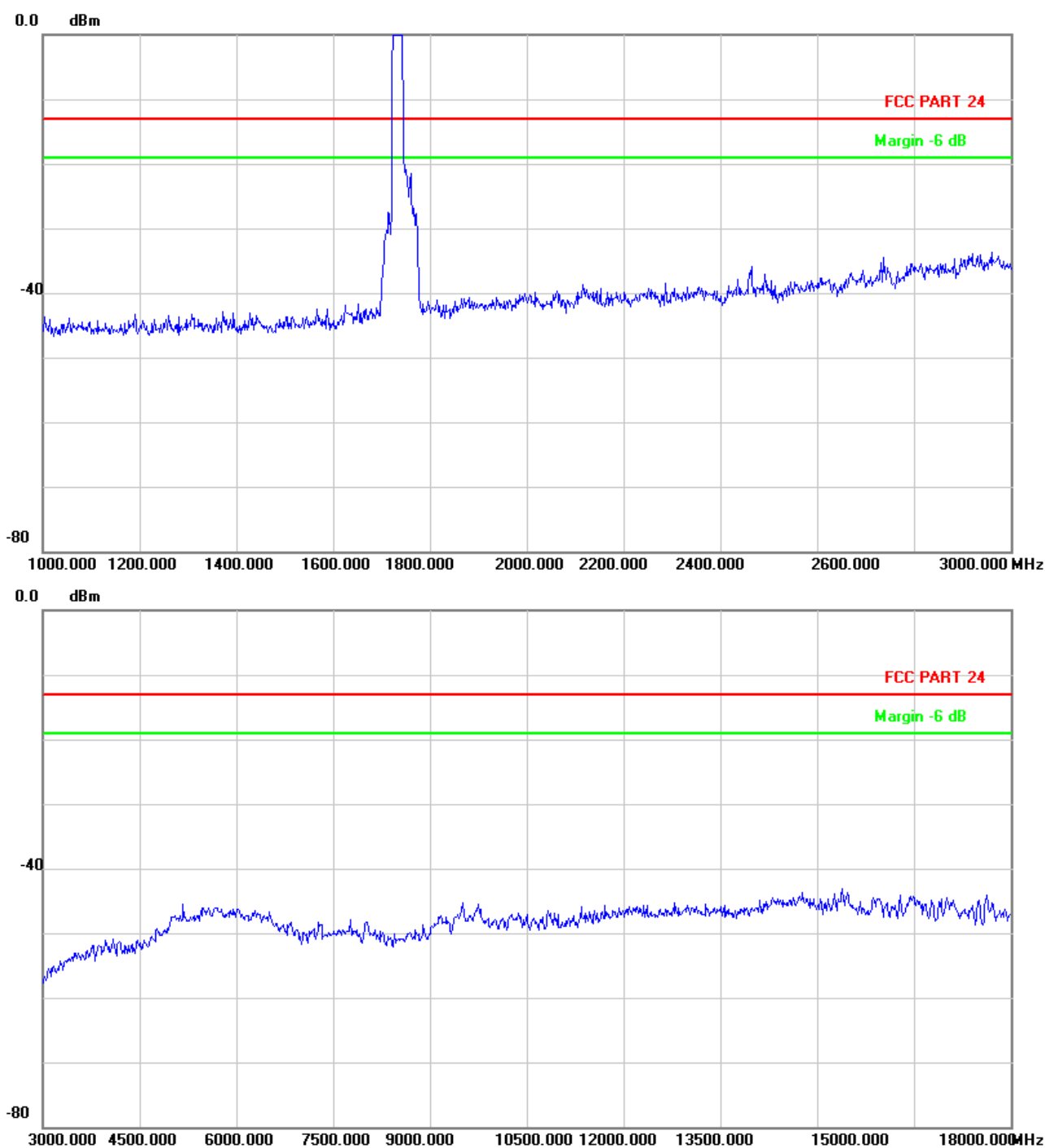
7.3.2.2 Test Bandwidth = 5





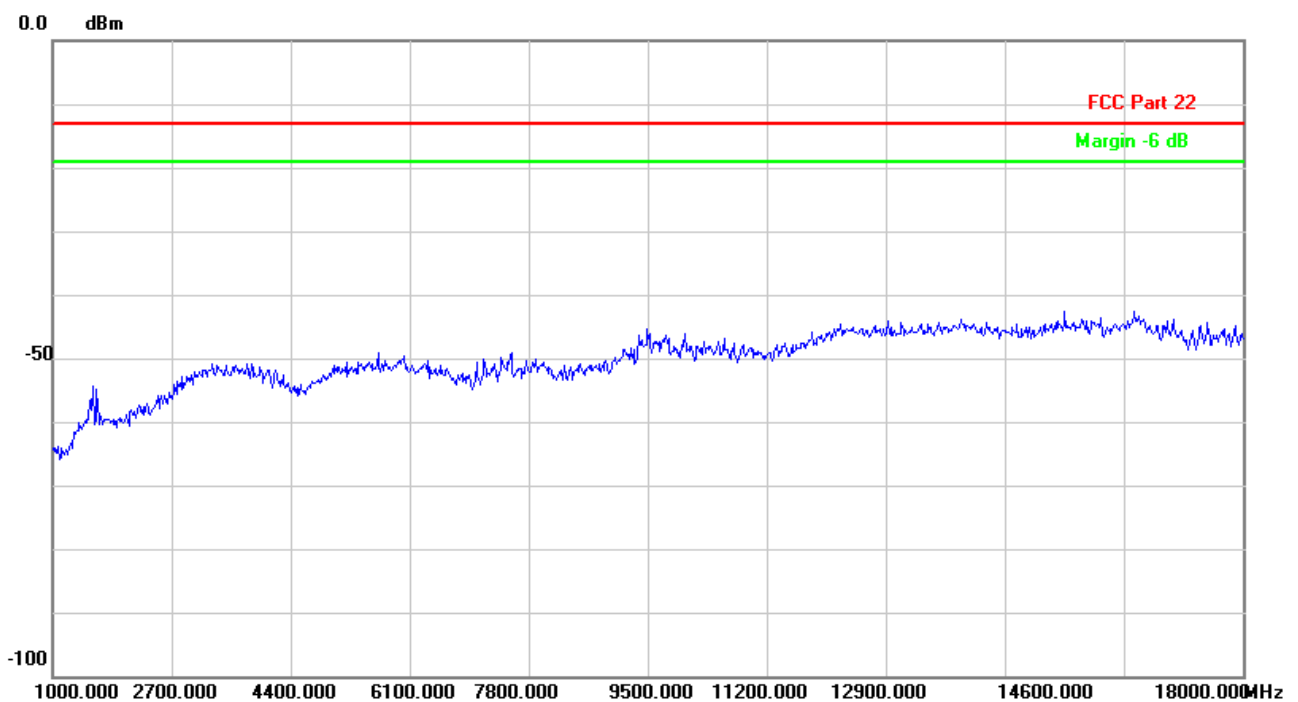
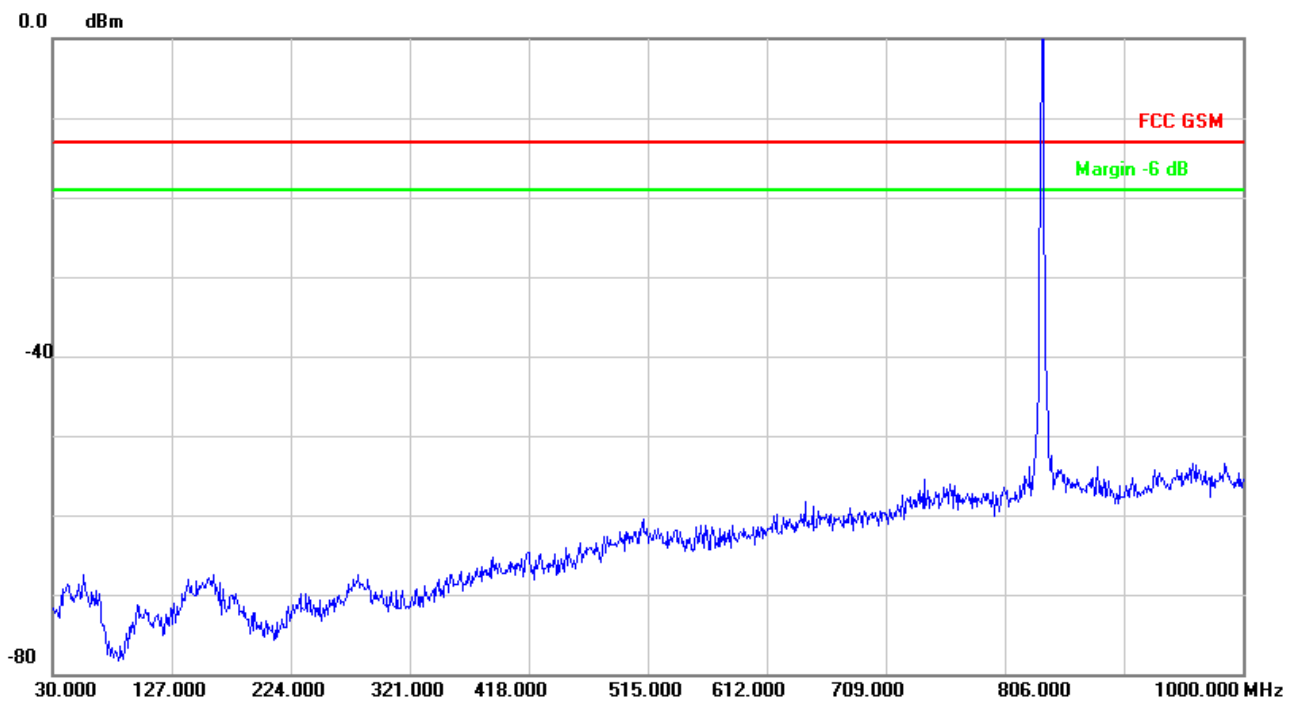
7.3.2.3 Test Bandwidth = 20



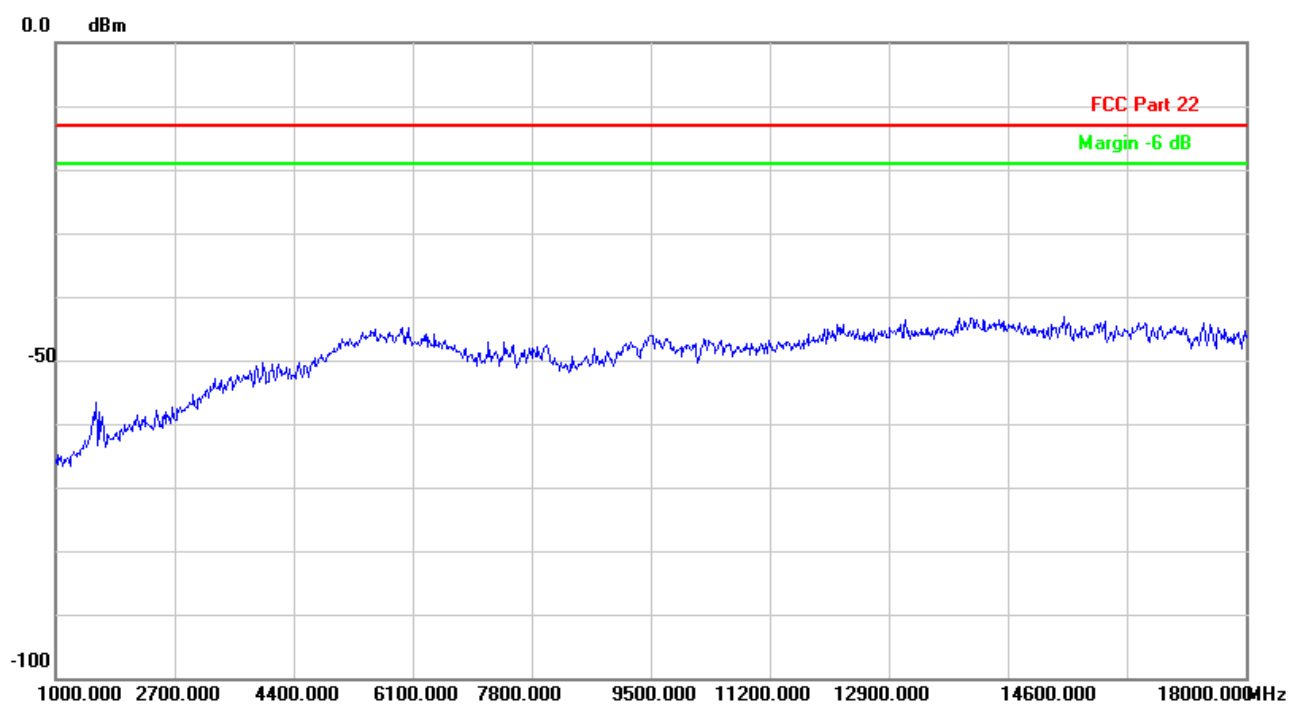
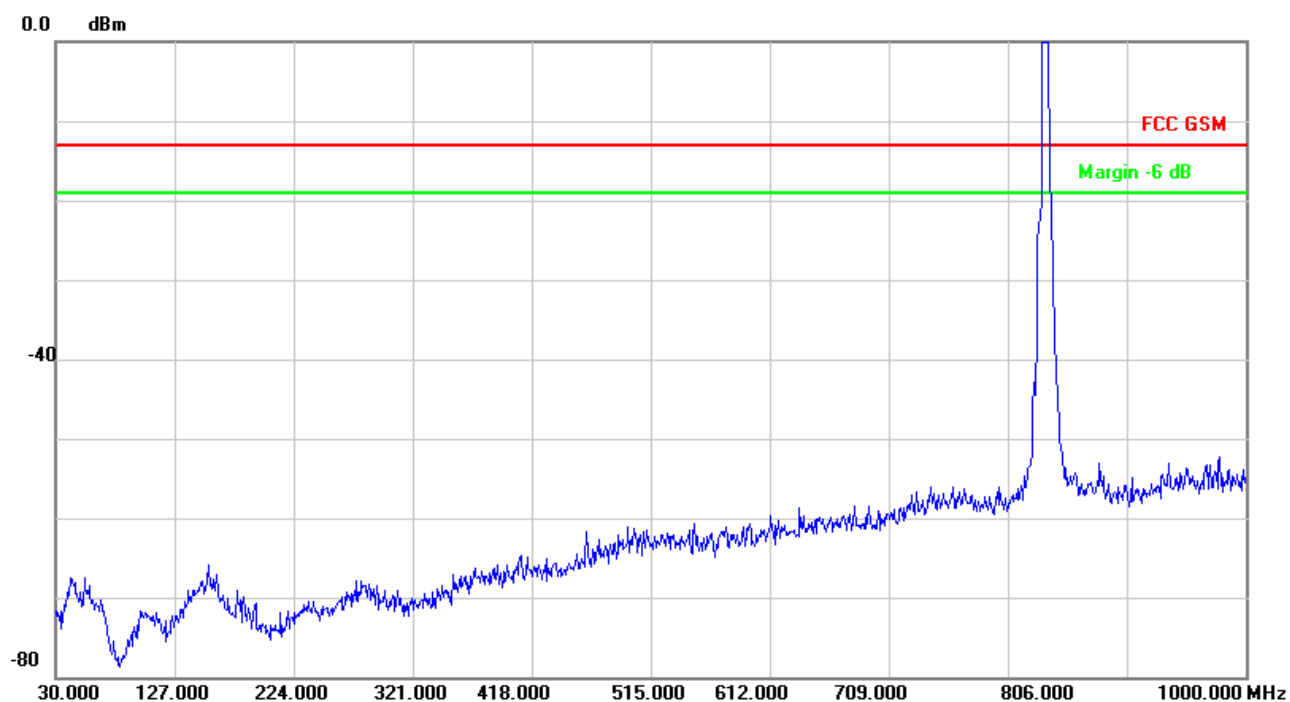


7.3.3 Test Band = BAND5

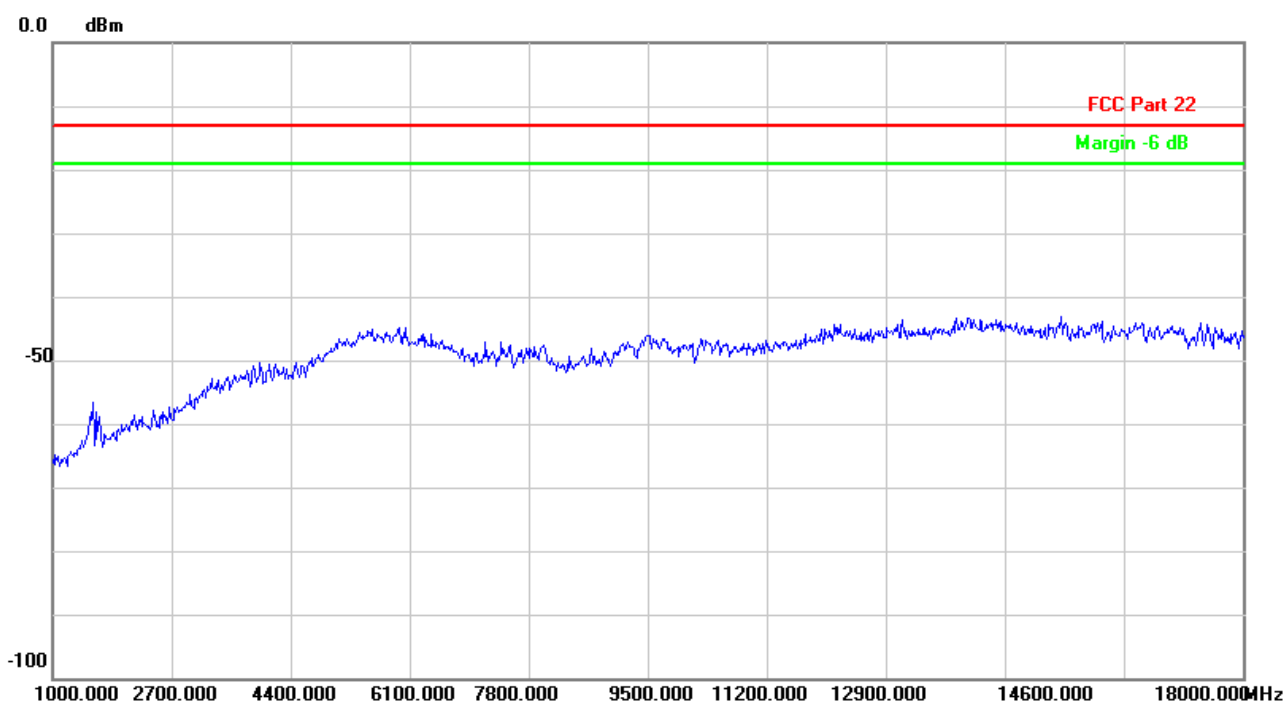
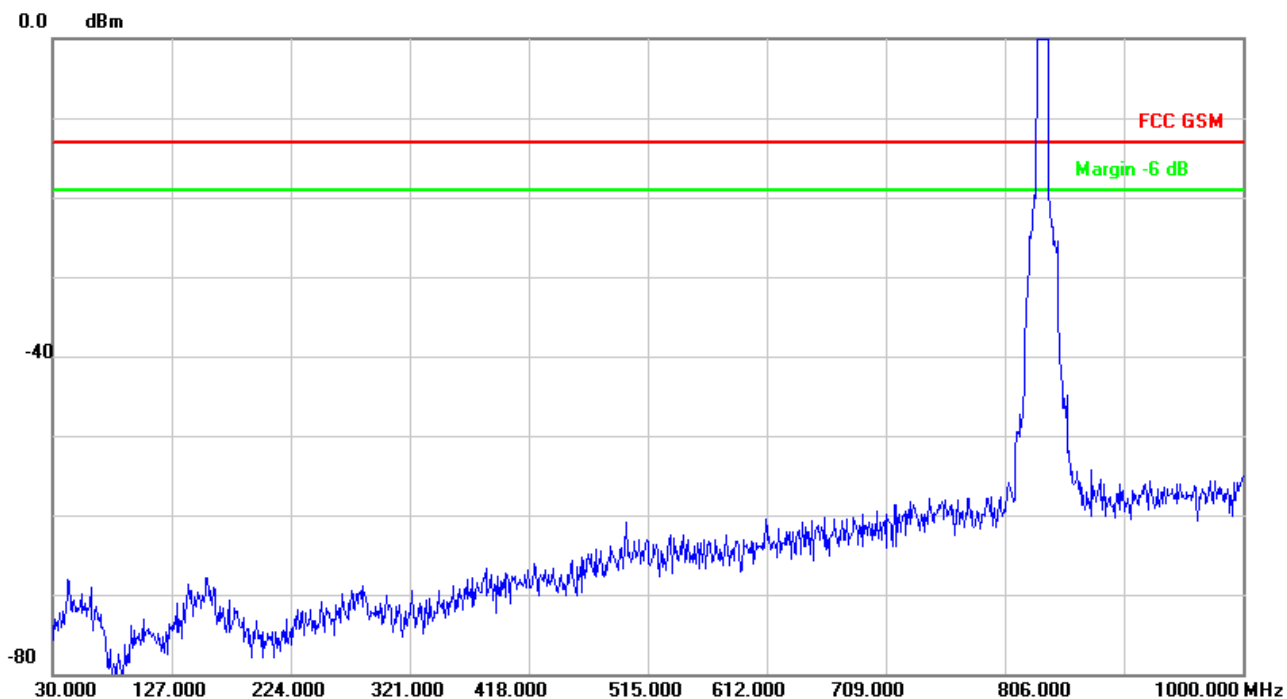
7.3.3.1 Test Bandwidth = 1.4



7.3.3.2 Test Bandwidth = 5

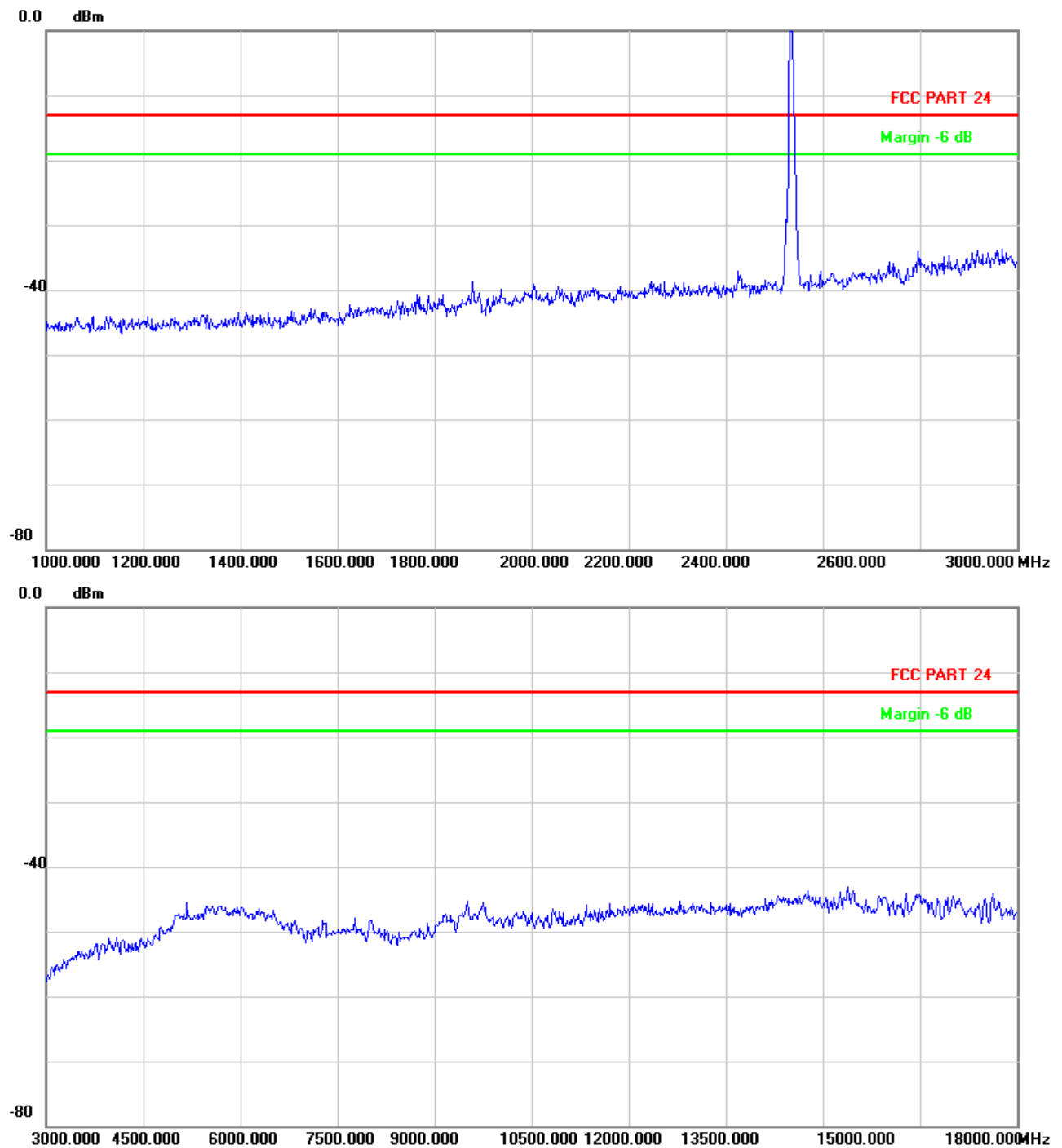


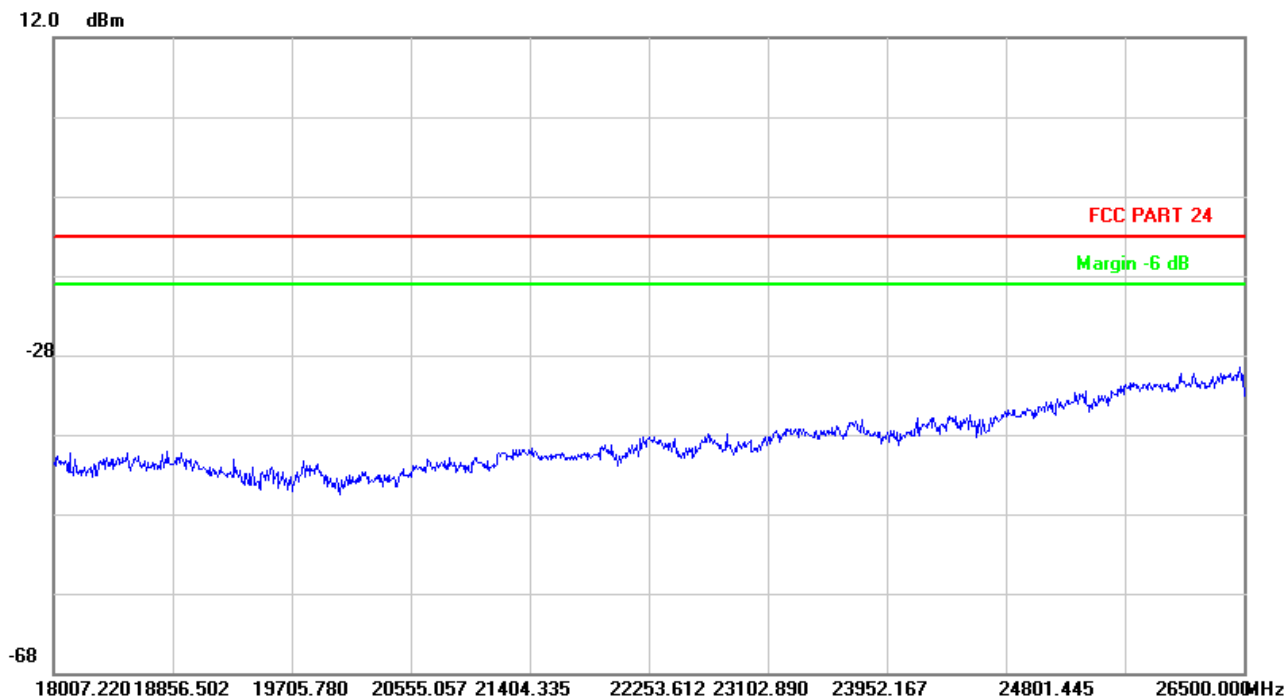
7.3.3.3 Test Bandwidth = 10



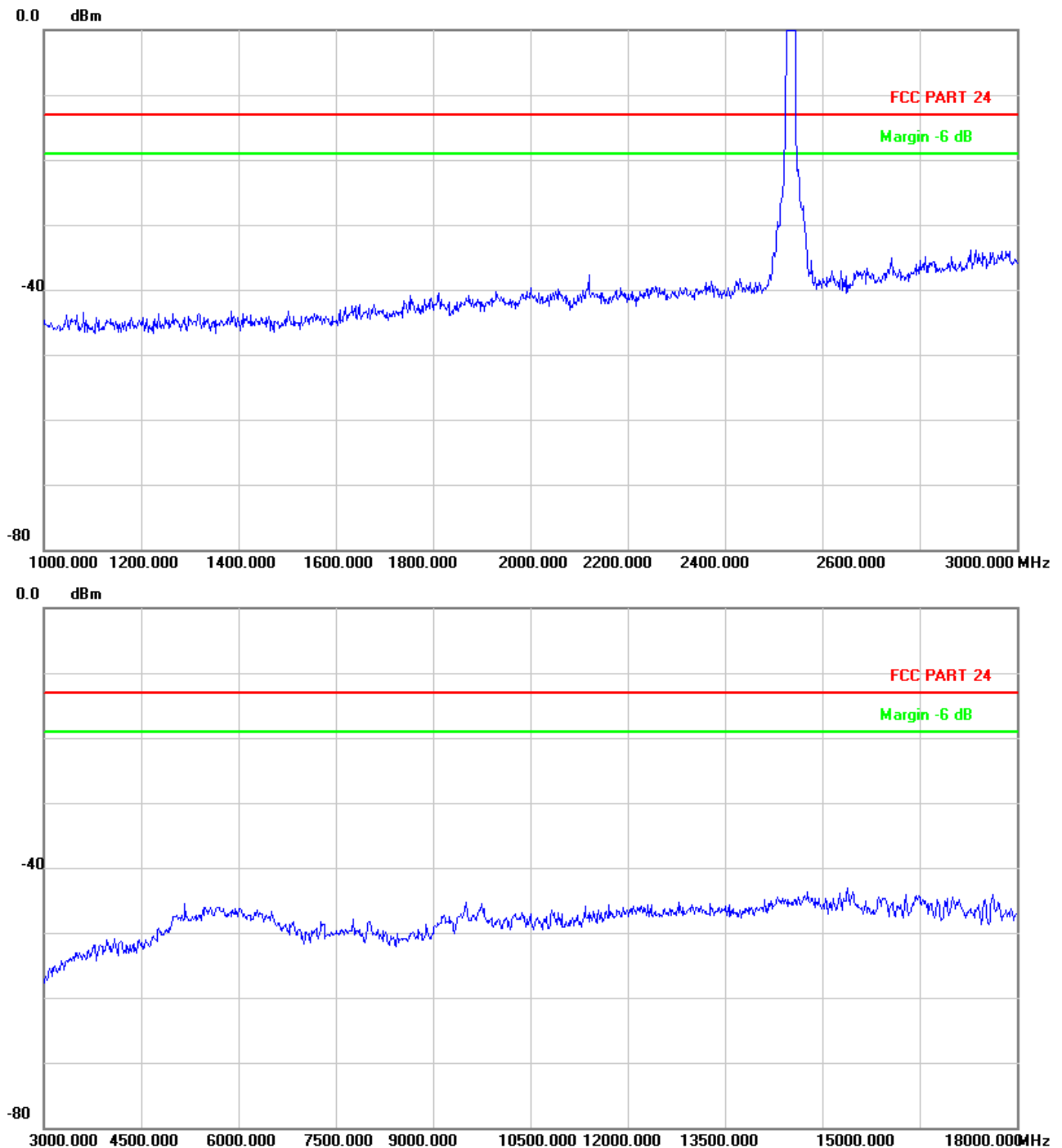
7.3.4 Test Band = BAND7

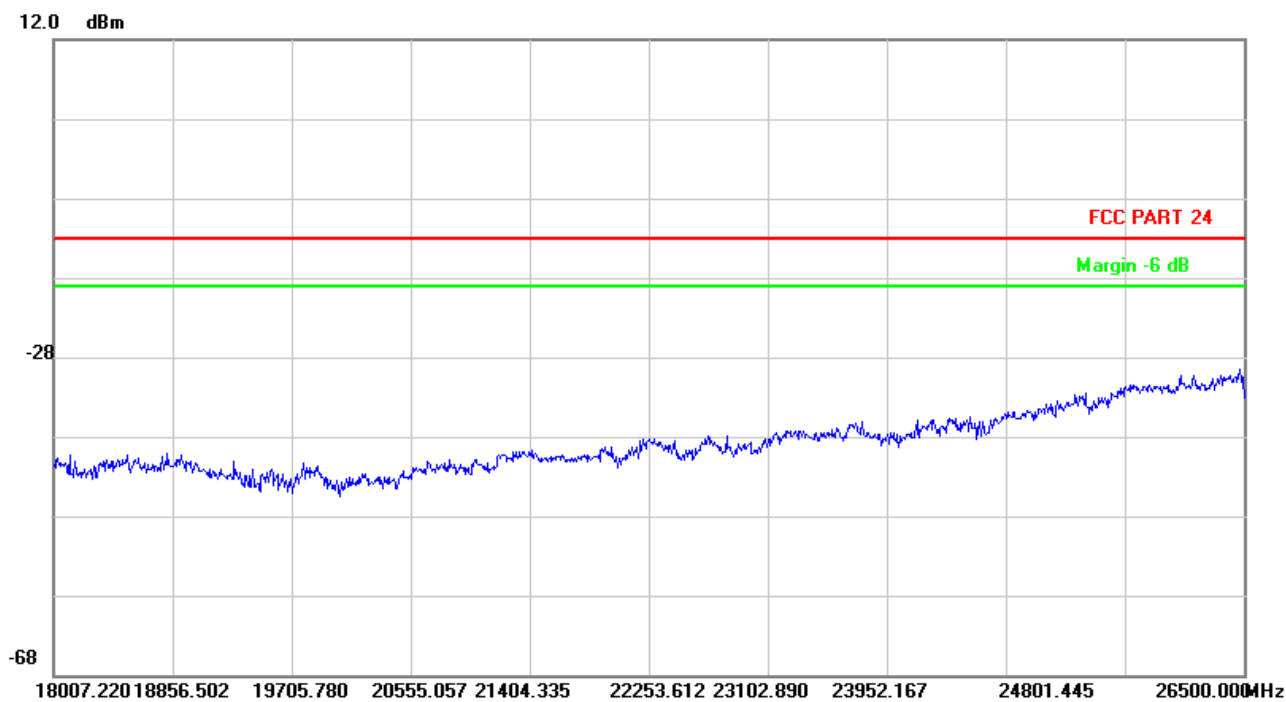
7.3.4.1 Test Bandwidth = 5





7.3.4.2 Test Bandwidth = 20







8Appendix_H: Frequency Stability

Void

END