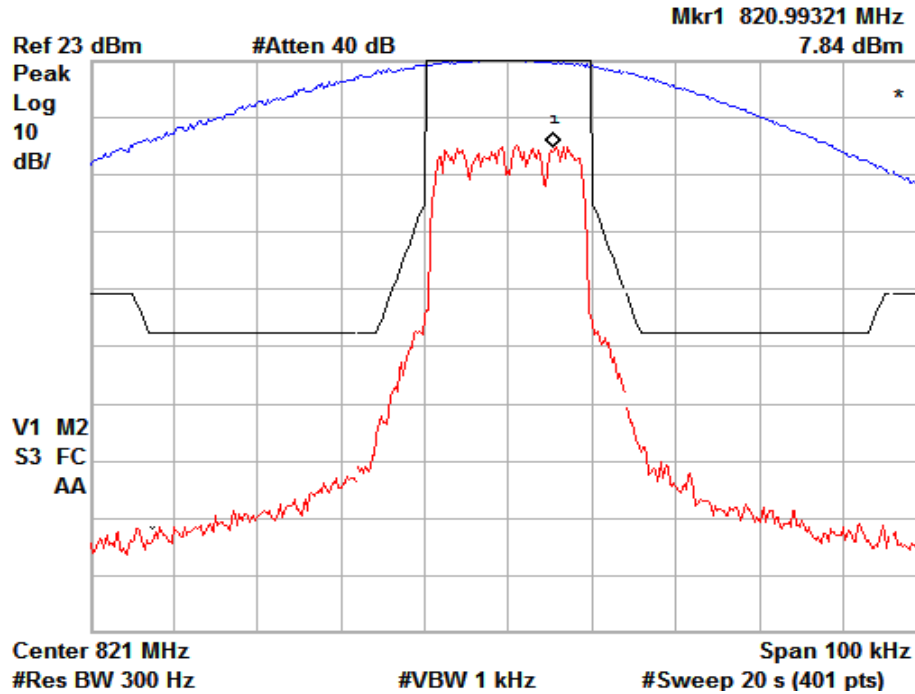
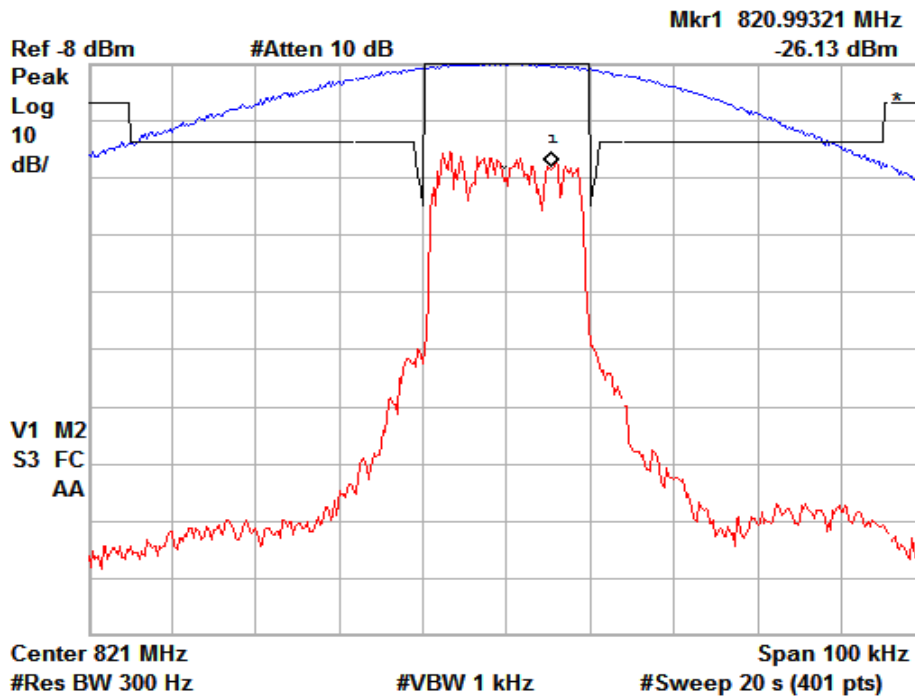


**6a.2. Modulation Characteristics and Necessary Bandwidth -- Pursuant 47 CFR 2.1033(c)(13), §2.1047(d), §2.1049, §2.202, §90.210(g), and §90.669(a).**

**6a.2.1 Emission Designator 18K3D7W - iDEN 800 MHz Band Measured data**



**Figure 6a-2.1.1. iDEN 800 MHz Band, QPSK, Maximum Power, Emission Mask G**



**Figure 6a-2.1.2. iDEN 800 MHz Band, QPSK, Minimum Power, Emission Mask G**

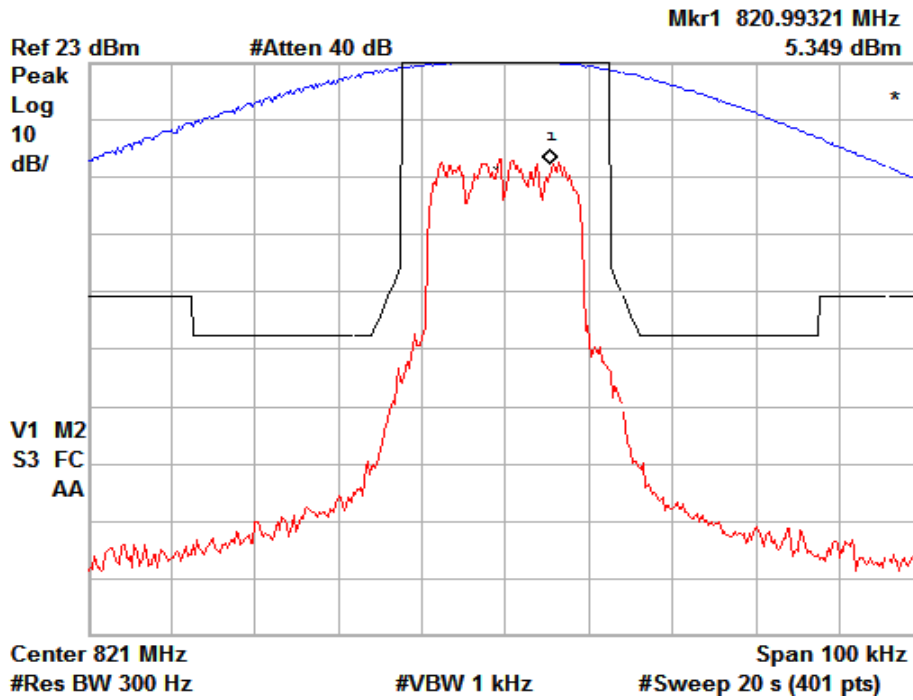


Figure 6a-2.1.3. iDEN 800 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

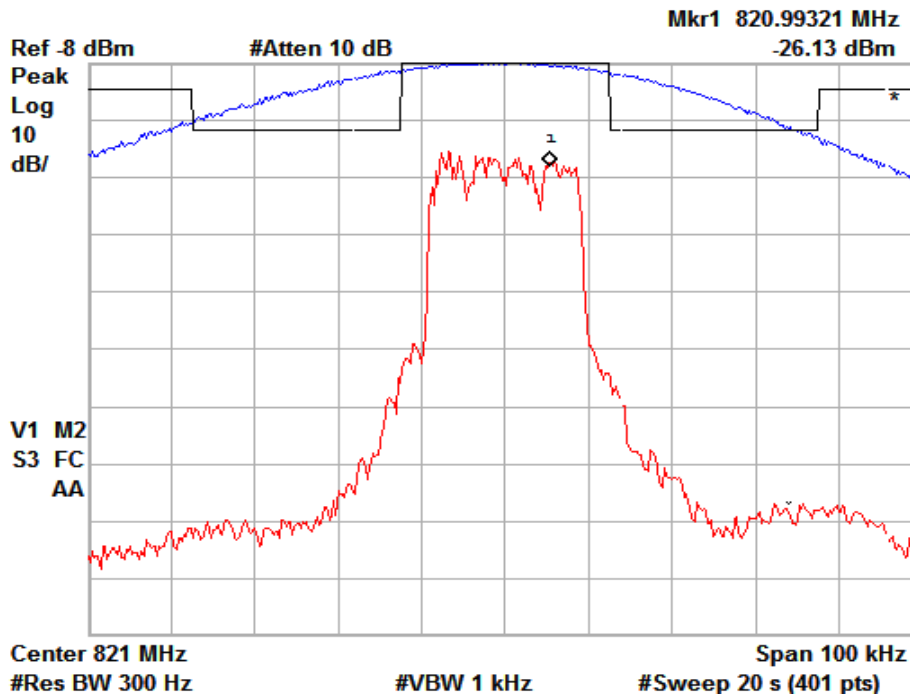


Figure 6a-2.1.4. iDEN 800 MHz Band, QPSK, Minimum Power, EA Emission Mask

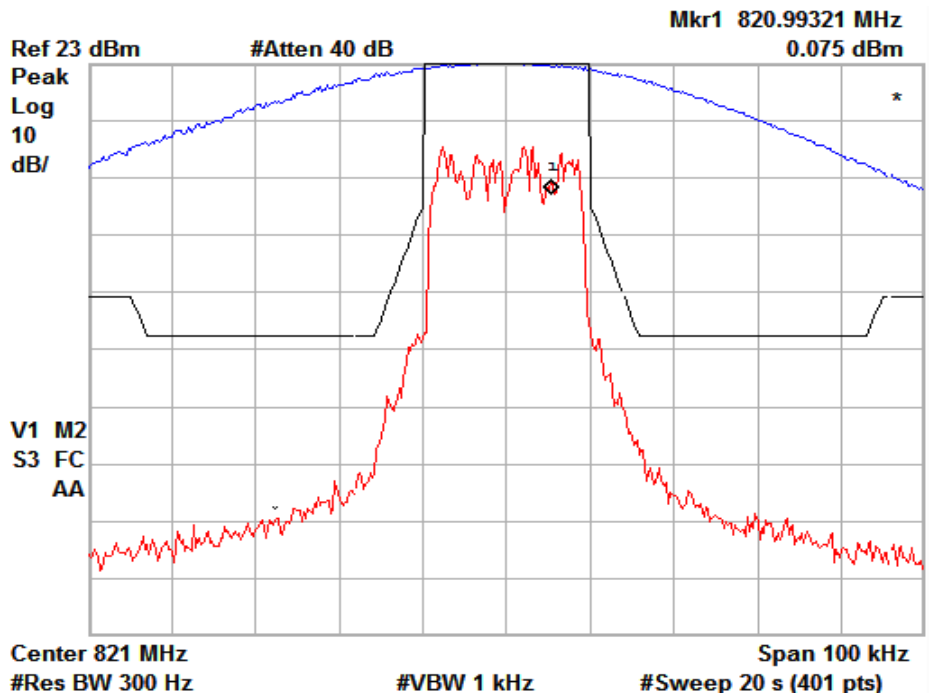


Figure 6a-2.1.5. iDEN 800 MHz Band, QAM16, Maximum Power, Emission Mask G

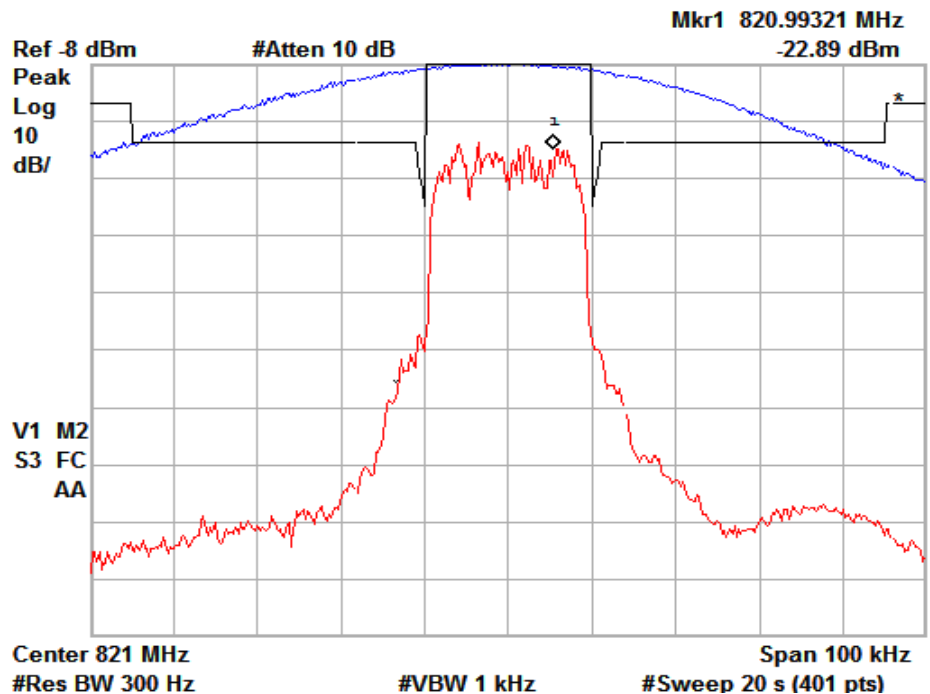


Figure 6a-2.1.6. iDEN 800 MHz Band, QAM16, Minimum Power, Emission Mask G

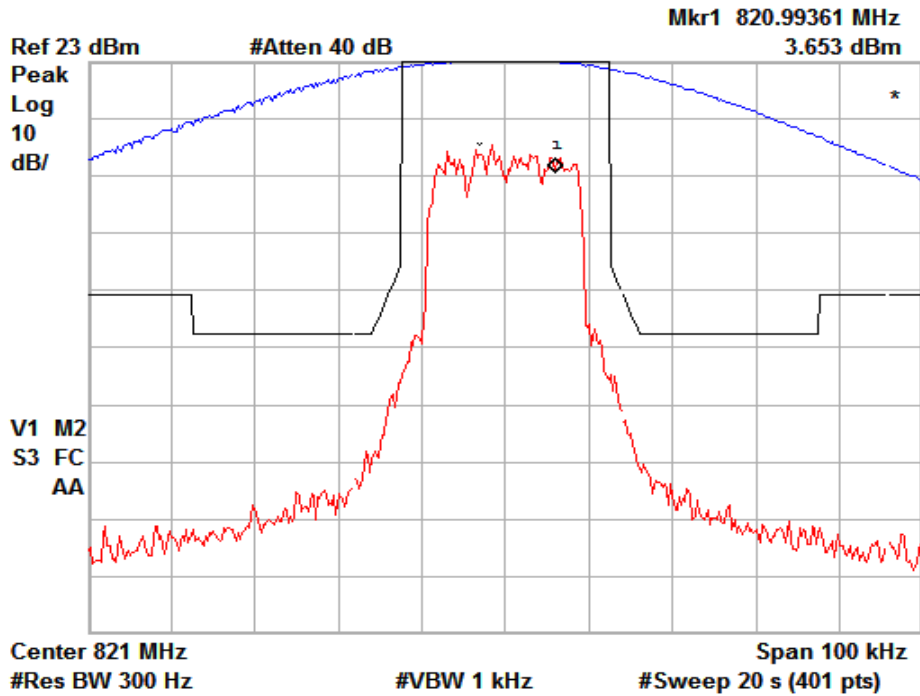


Figure 6a-2.1.7. iDEN 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

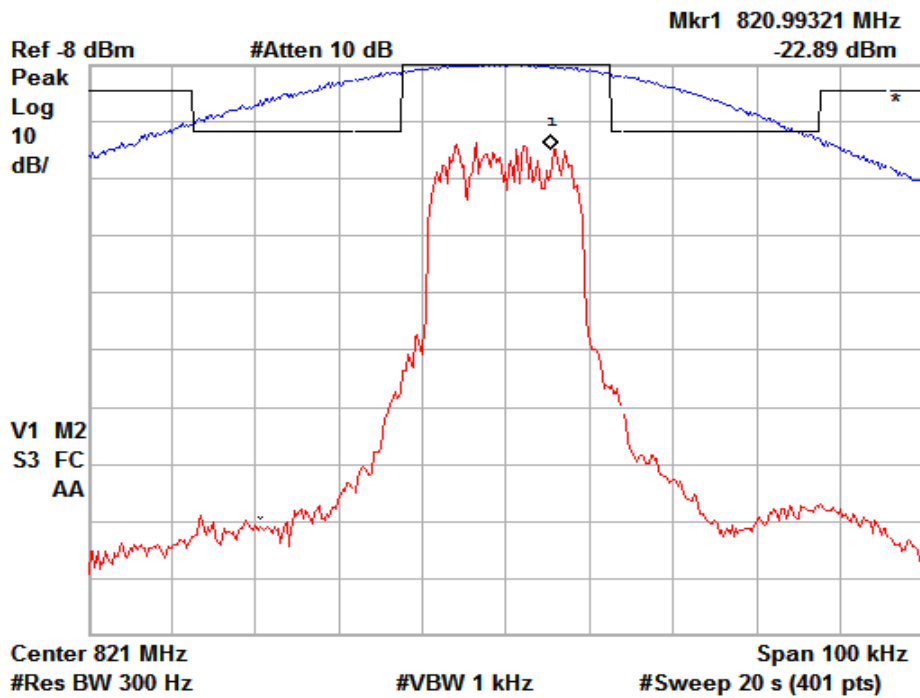


Figure 6a-2.1.8. iDEN 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

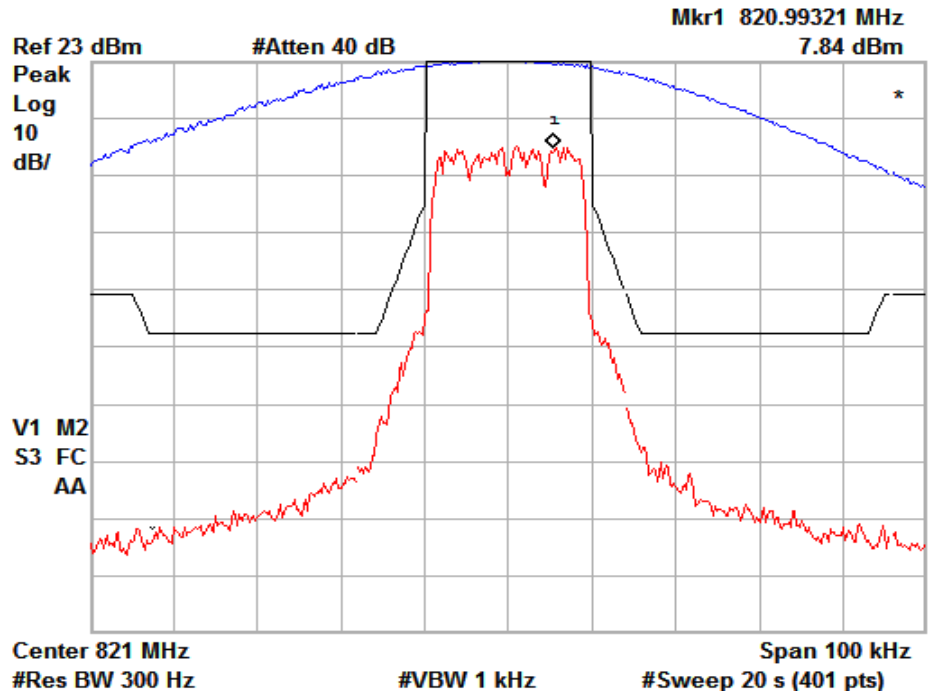


Figure 6a-2.1.9. iDEN 800 MHz Band, QAM64, Maximum Power, Emission Mask G

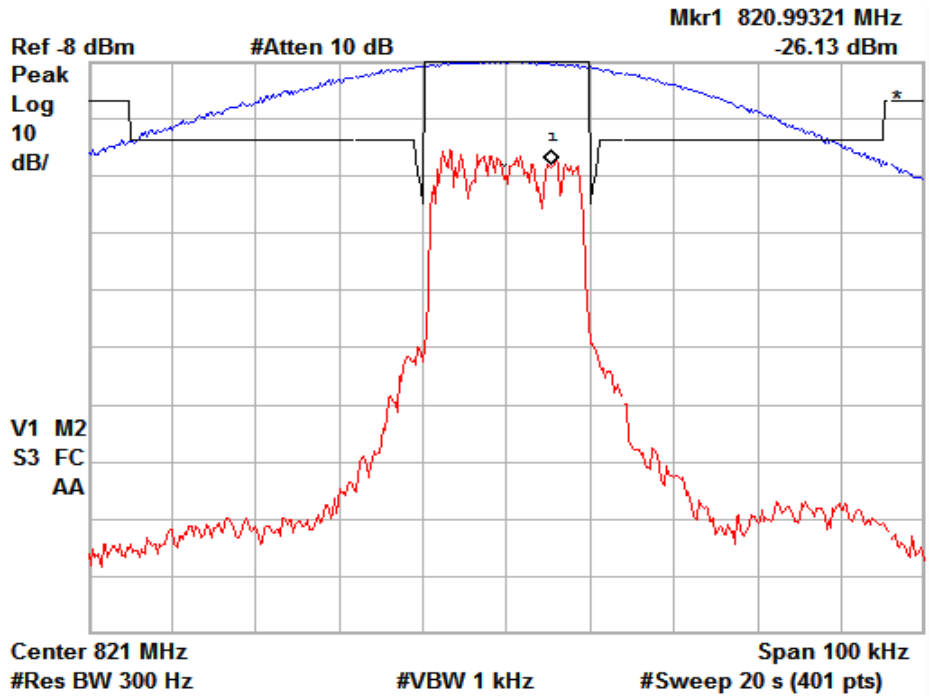


Figure 6a-2.1.10. iDEN 800 MHz Band, QAM64, Minimum Power, Emission Mask G

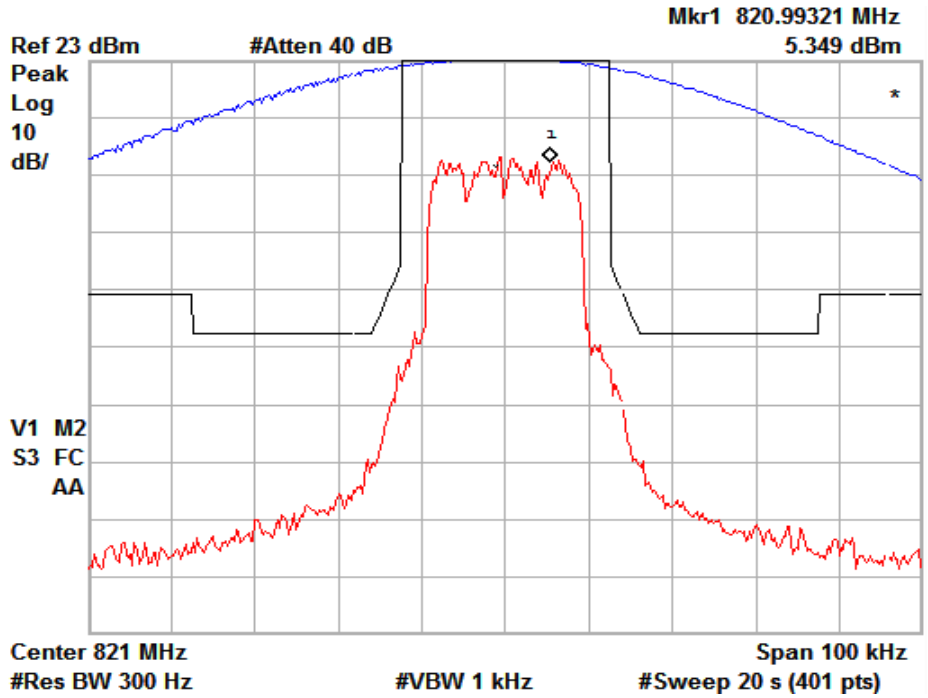


Figure 6a-2.1.11. iDEN 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

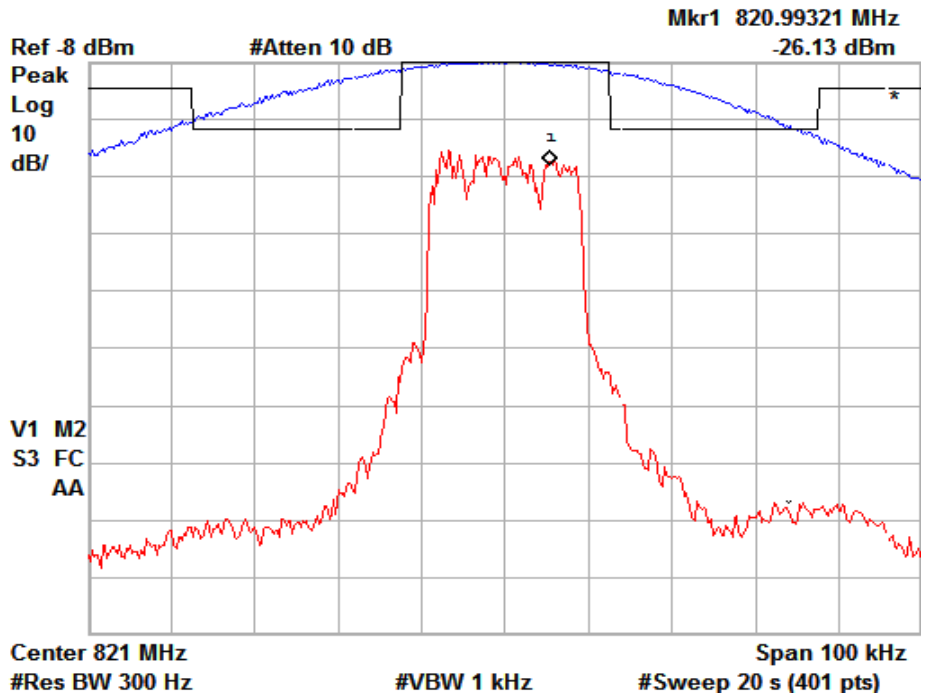


Figure 6a-2.1.12. iDEN 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.2. Emission Designator 18K3D7W - iDEN 900 MHz Band Measured Data

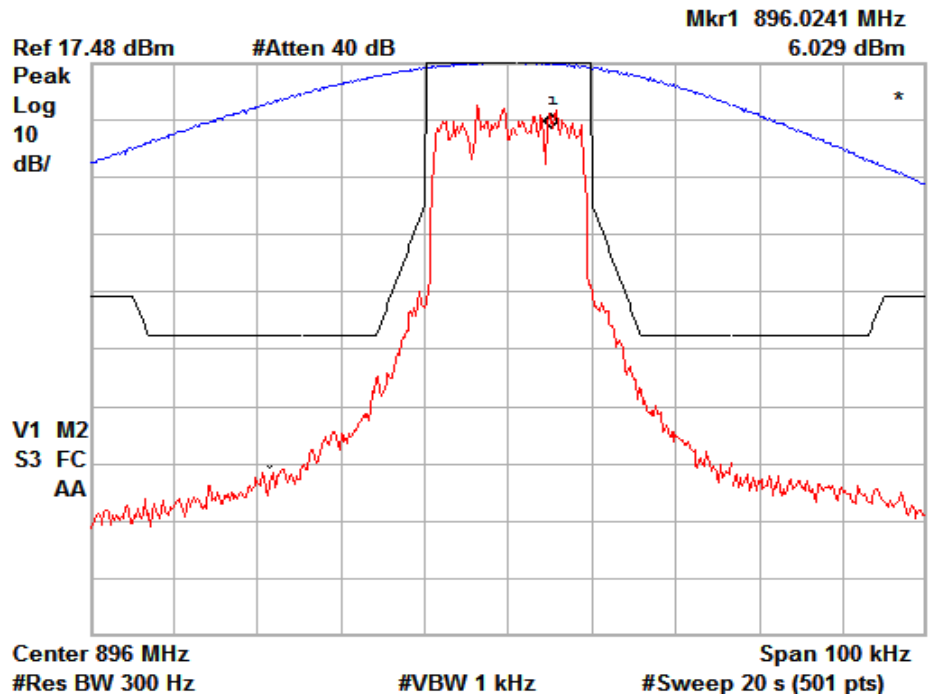


Figure 6a-2.2.1. iDEN 900 MHz Band, Quad-QPSK, Maximum Power, Emission Mask G

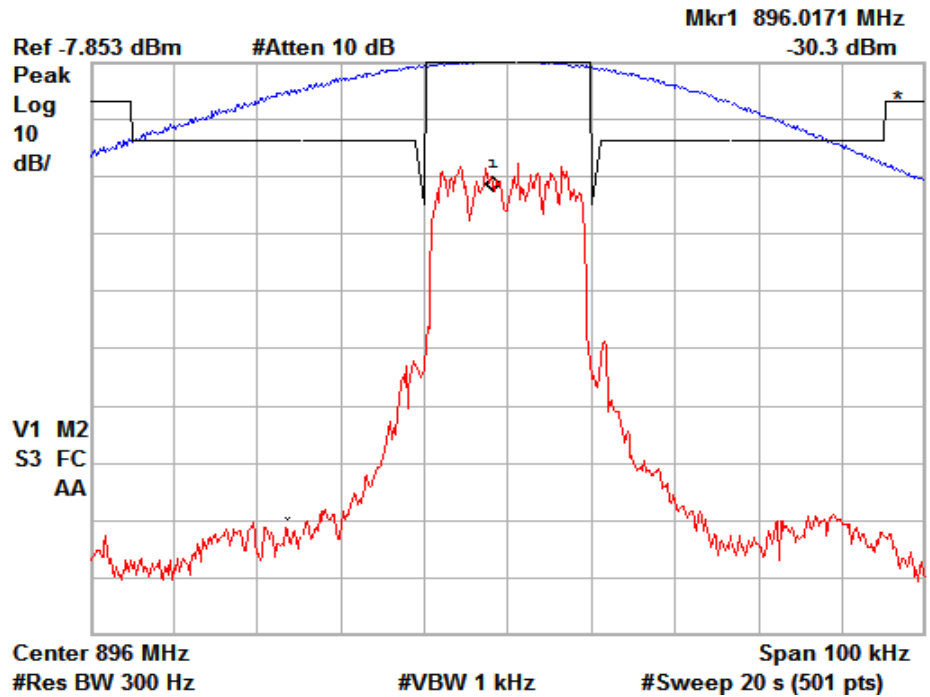


Figure 6a-2.2.2. iDEN 900 MHz Band, Quad-QPSK, Minimum Power, Emission Mask G

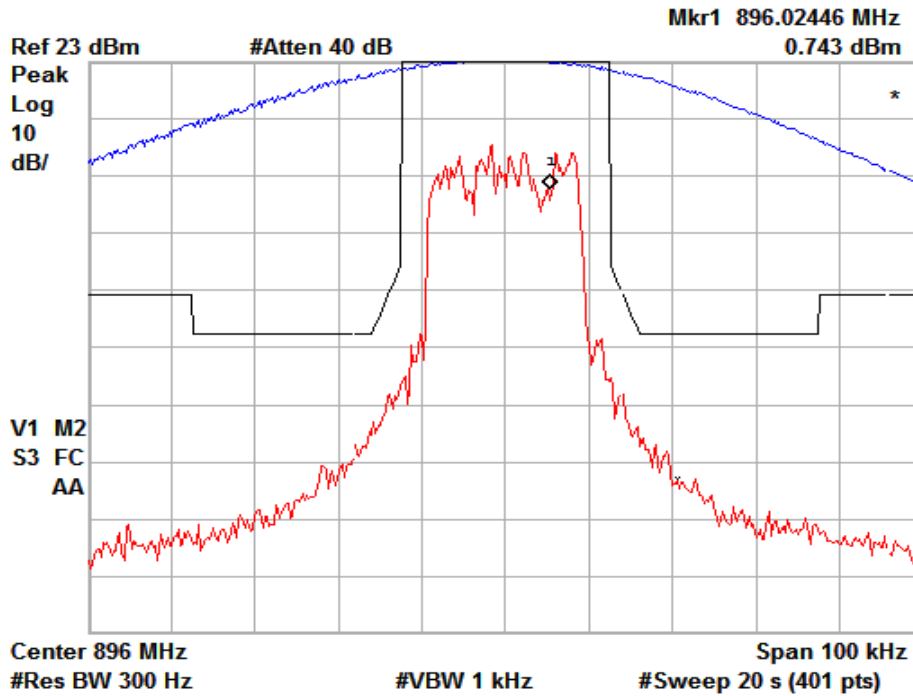


Figure 6a-2.2.3. iDEN 900 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

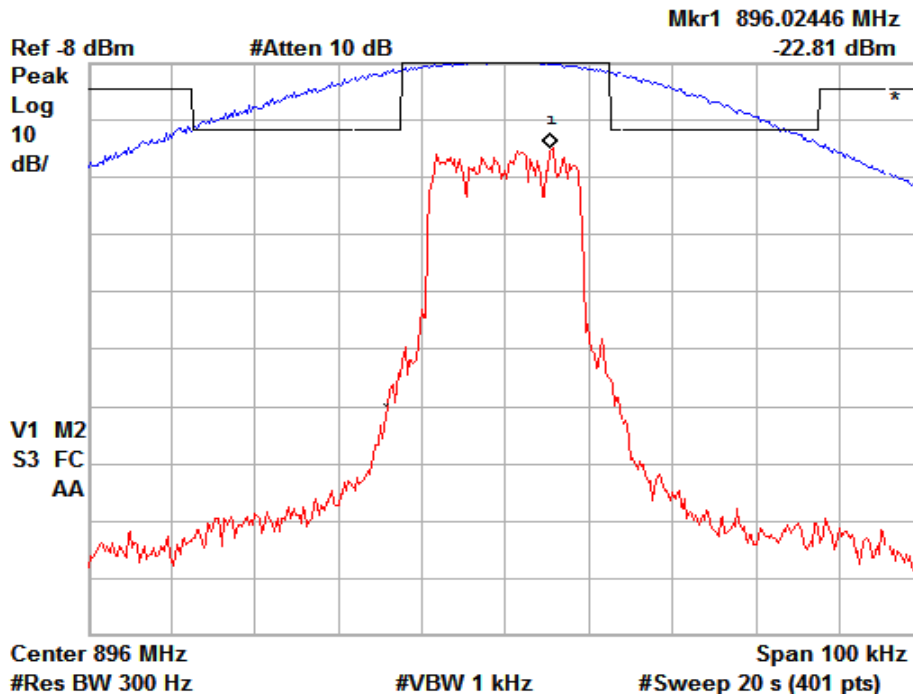


Figure 6a-2.2.4. iDEN 900 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

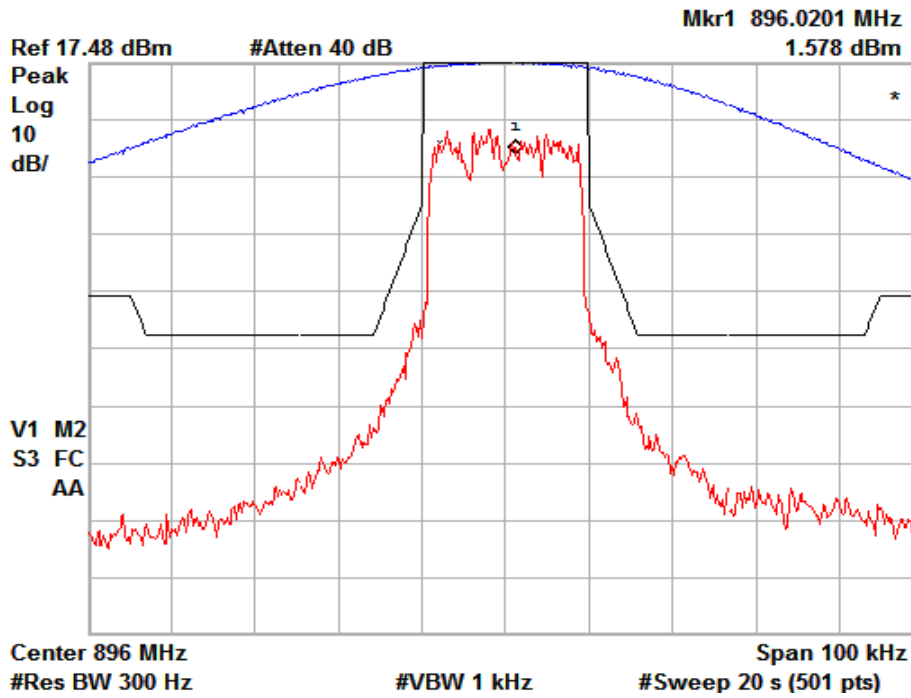


Figure 6a-2.2.5. iDEN 900 MHz Band, QAM16, Maximum Power, Emission Mask G

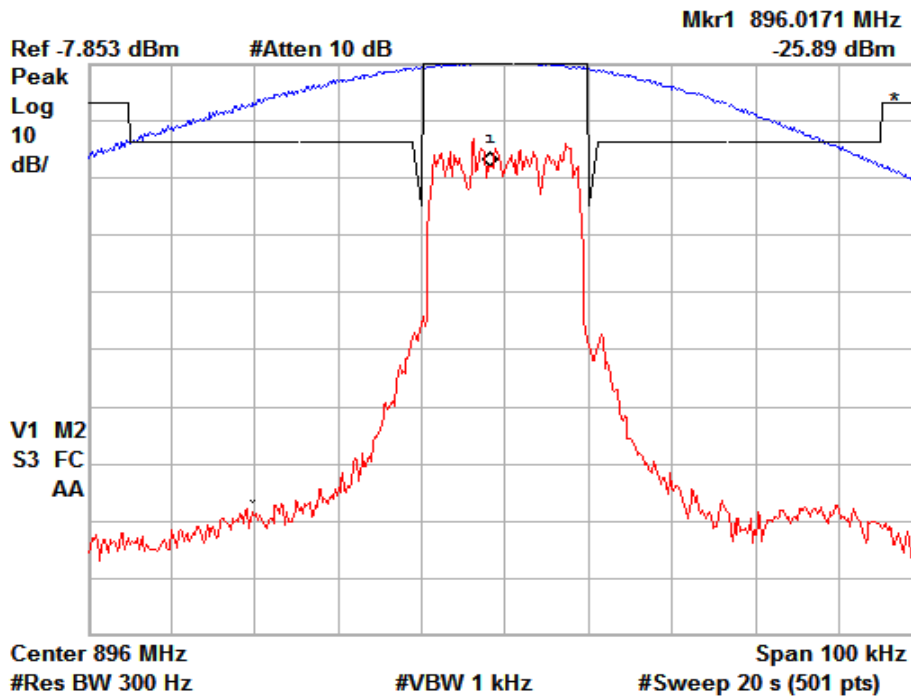


Figure 6a-2.2.6. iDEN 900 MHz Band, QAM16, Minimum Power, Emission Mask G

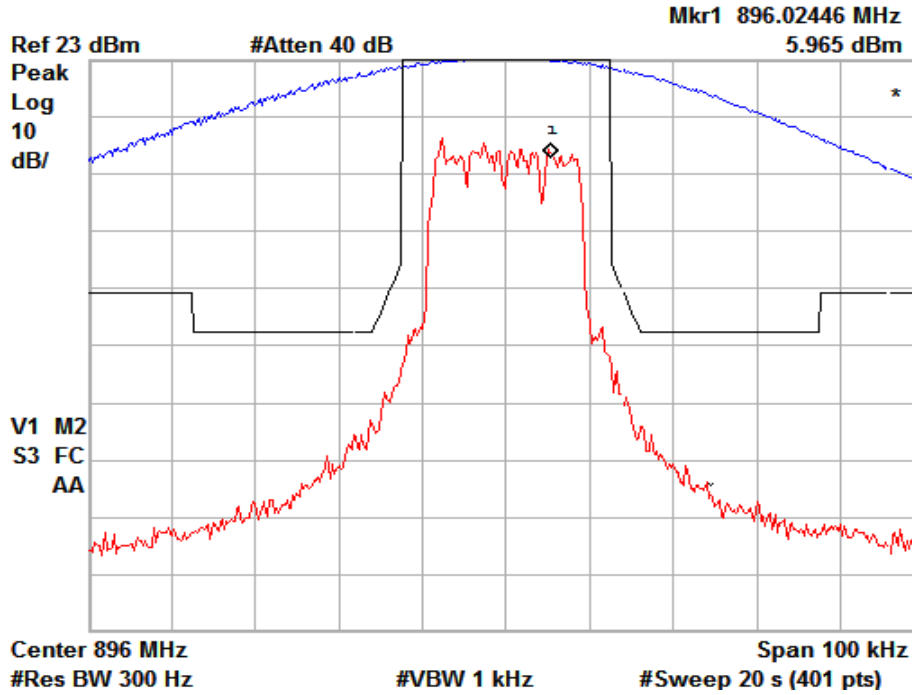


Figure 6a-2.2.7. iDEN 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

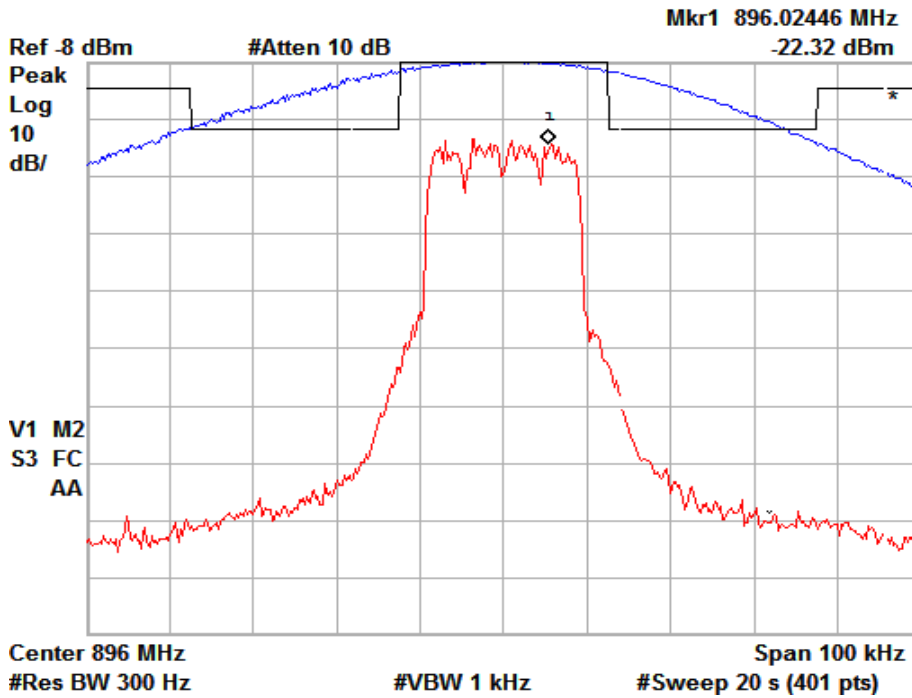


Figure 6a-2.2.8. iDEN 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

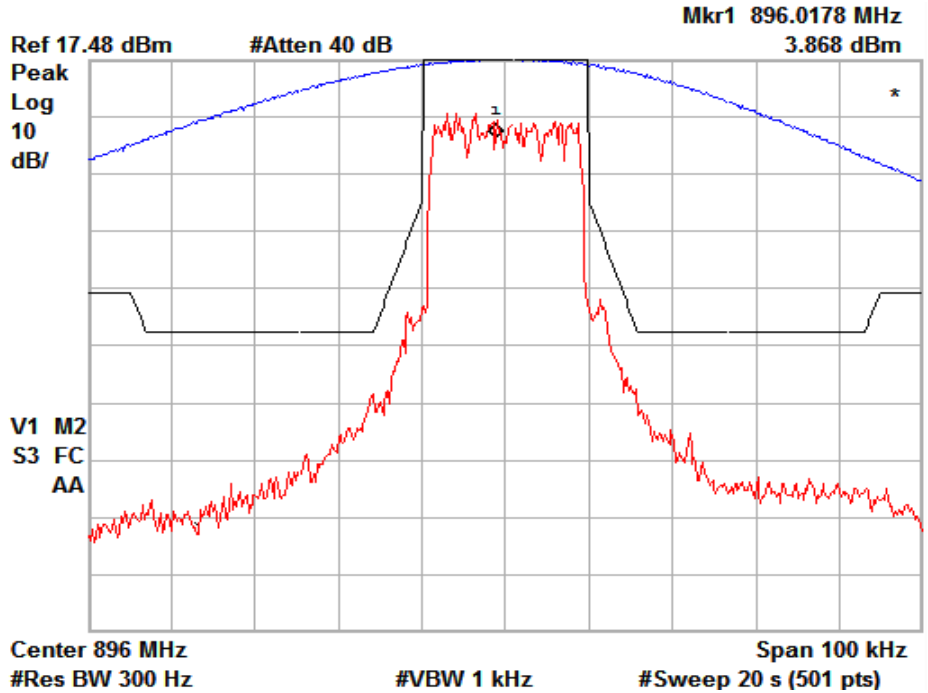


Figure 6a-2.2.9. iDEN 900 MHz Band, QAM64, Maximum Power, Emission Mask G

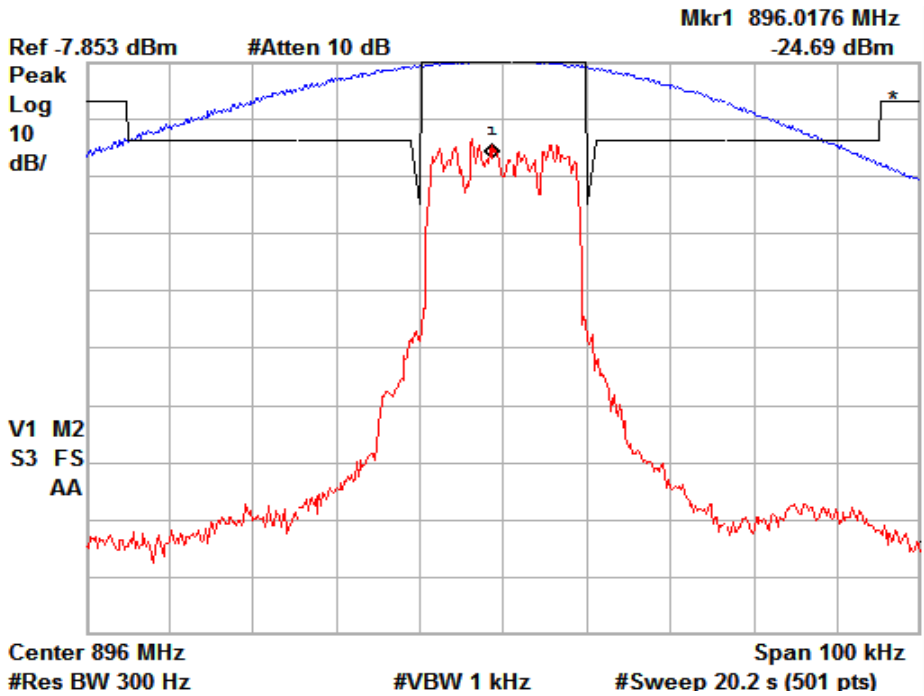


Figure 6a-2.2.10. iDEN 900 MHz Band, QAM64, Minimum Power, Emission Mask G

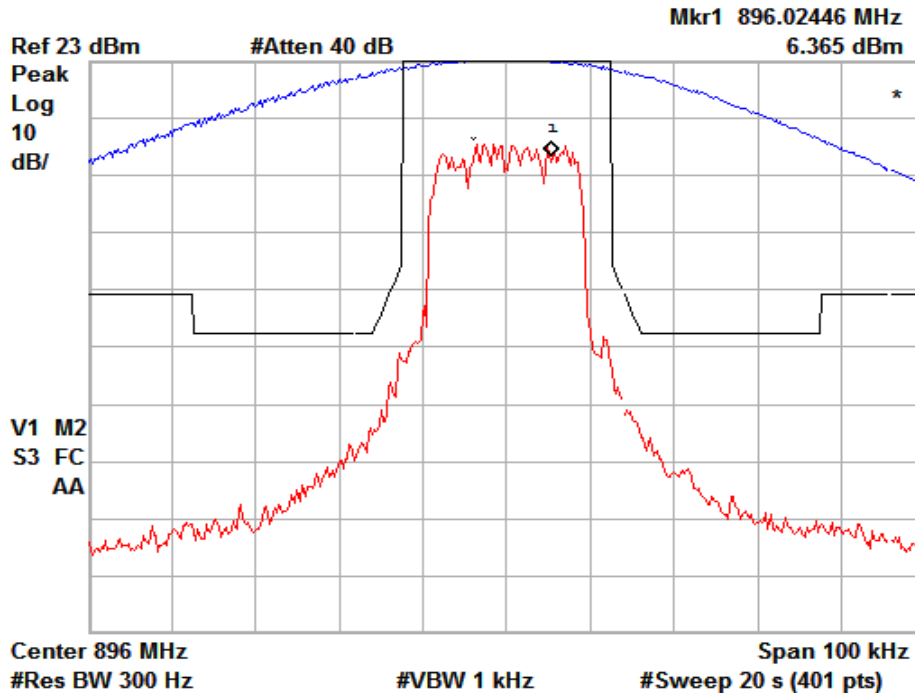


Figure 6a-2.2.11. iDEN 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

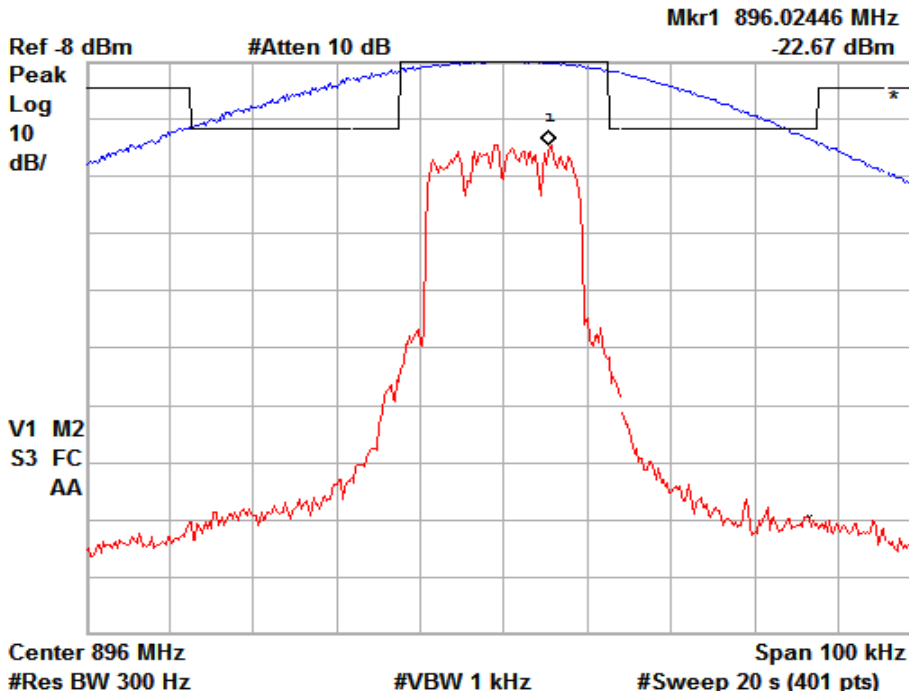


Figure 6a-2.2.12. iDEN 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.3 Emission Designator 18K3D7W - WiDEN25 800 MHz Band

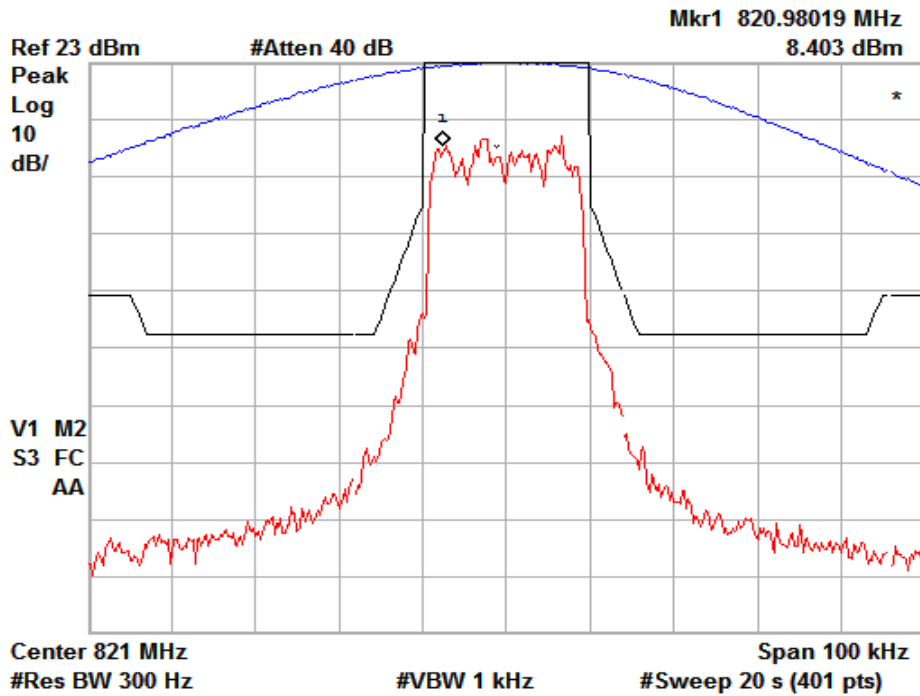


Figure 6a-2.3.1. WiDEN25 800 MHz Band, Quad-QPSK, Maximum Power, Emission Mask G

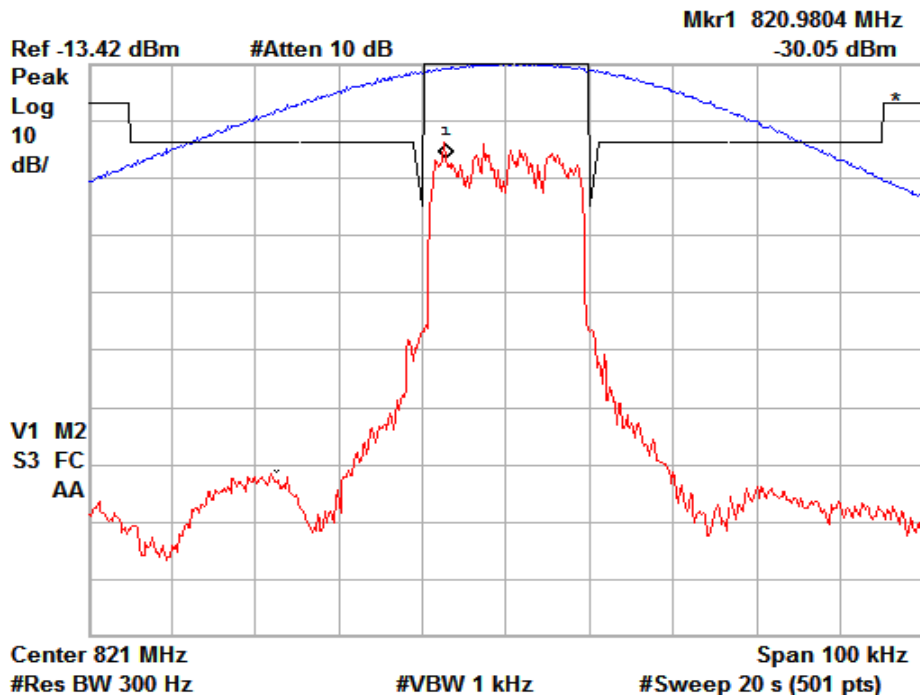


Figure 6a-2.3.2. WiDEN25 800 MHz Band, Quad-QPSK, Minimum Power, Emission Mask G

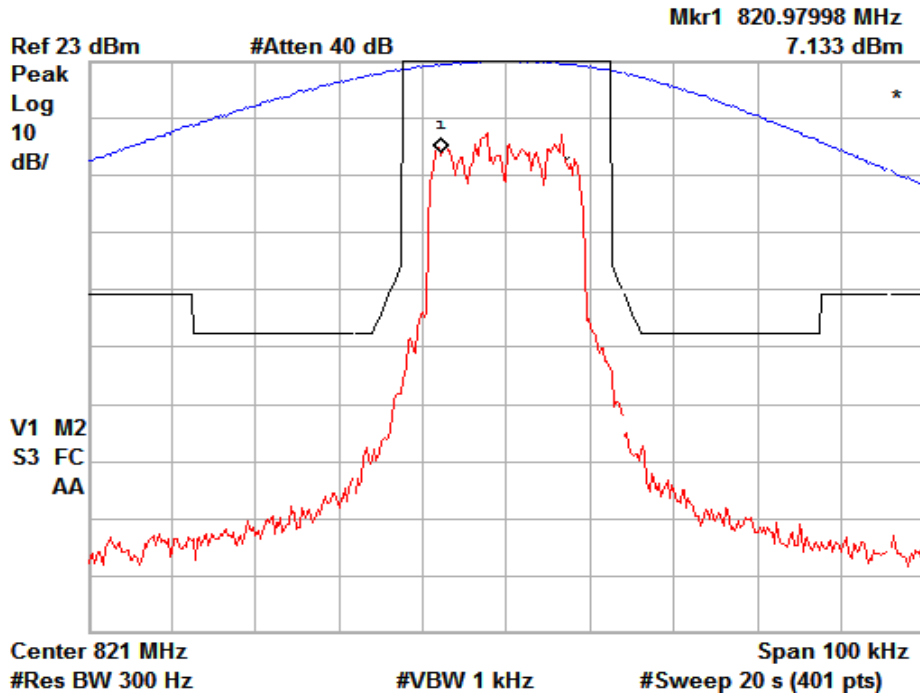


Figure 6a-2.3.3. WiDEN25 800 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

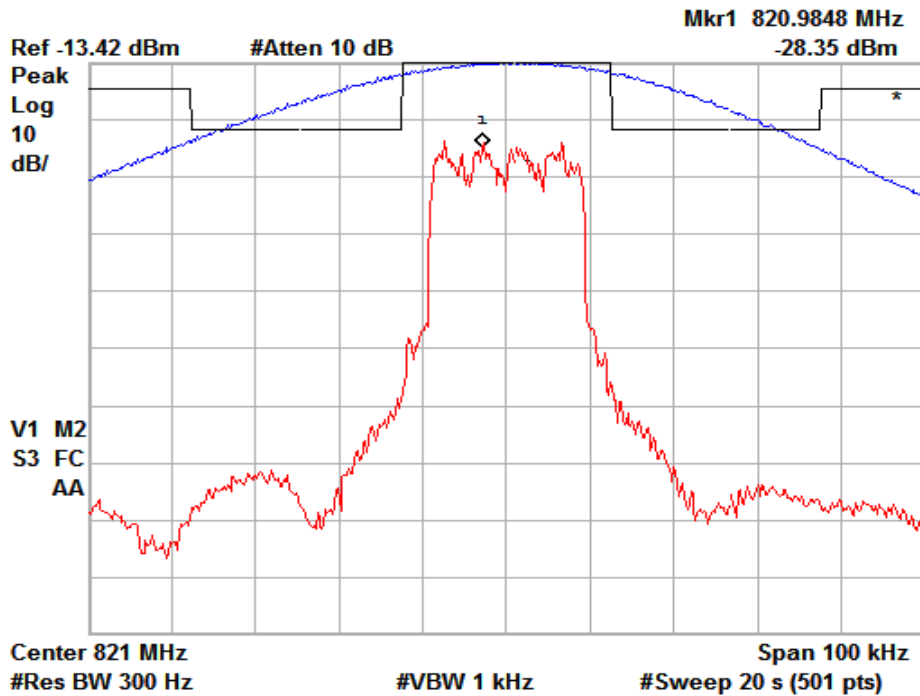


Figure 6a-2.3.4. WiDEN25 800 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

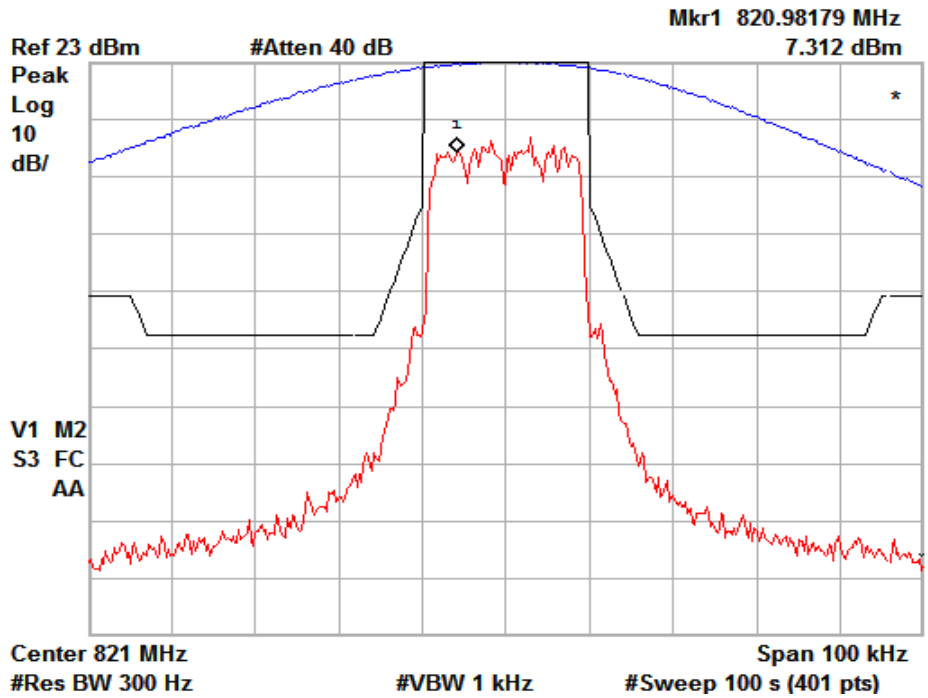


Figure 6a-2.3.5. WiDEN25 800 MHz Band, QAM16, Maximum Power, Emission Mask G

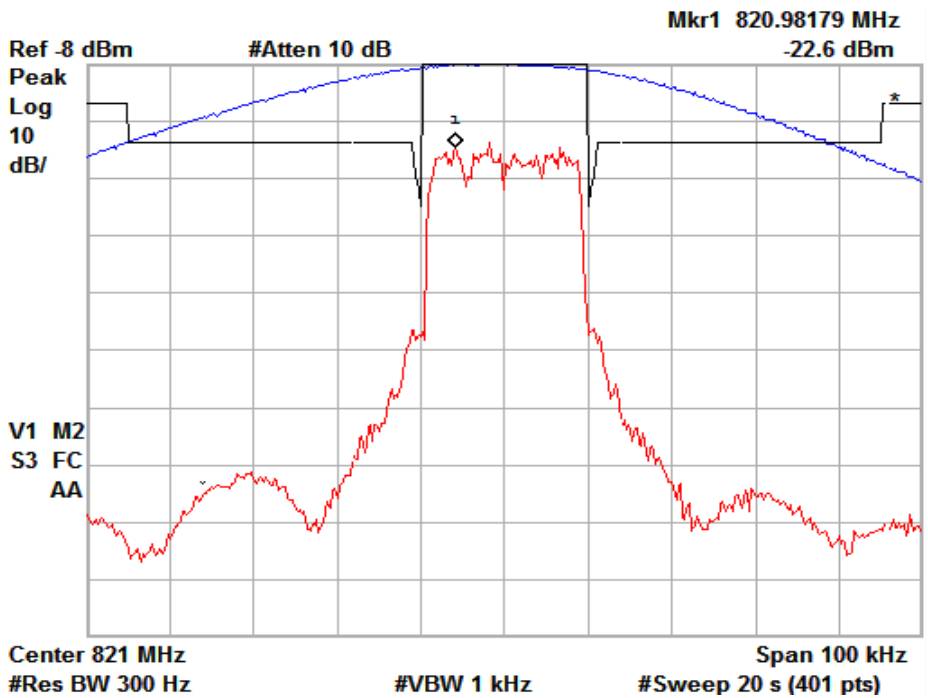


Figure 6a-2.3.6. WiDEN25 800 MHz Band, QAM16, Minimum Power, Emission Mask G

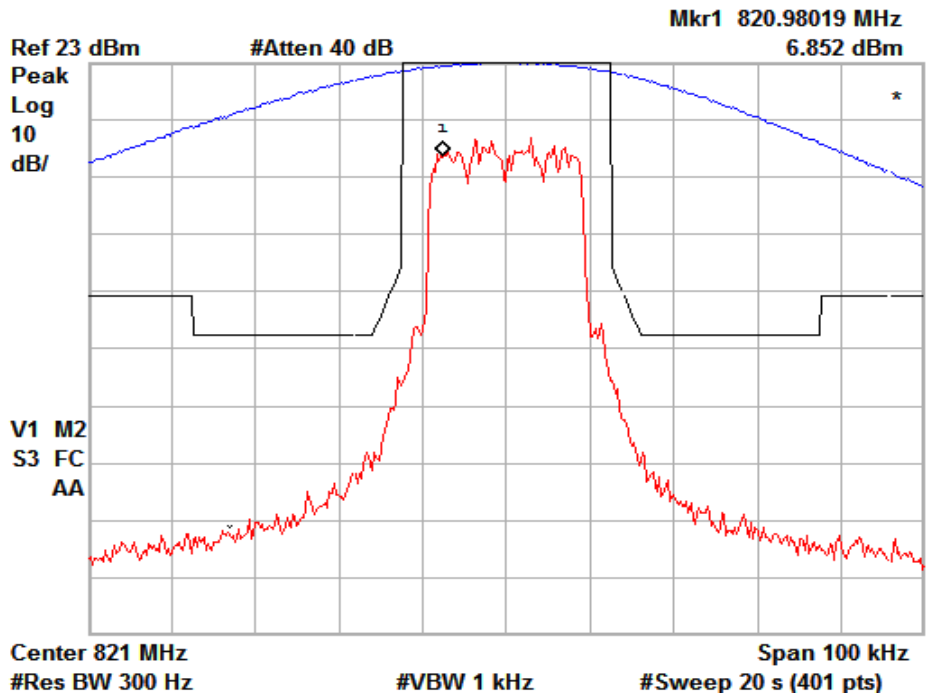


Figure 6a-2.3.7. WiDEN25 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

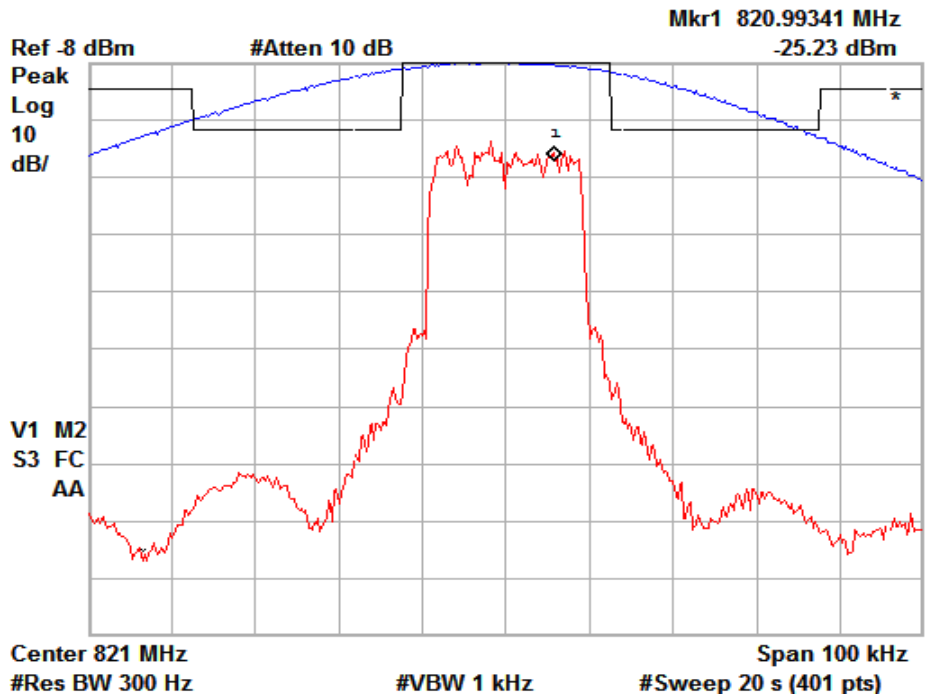


Figure 6a-2.3.8. WiDEN25 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

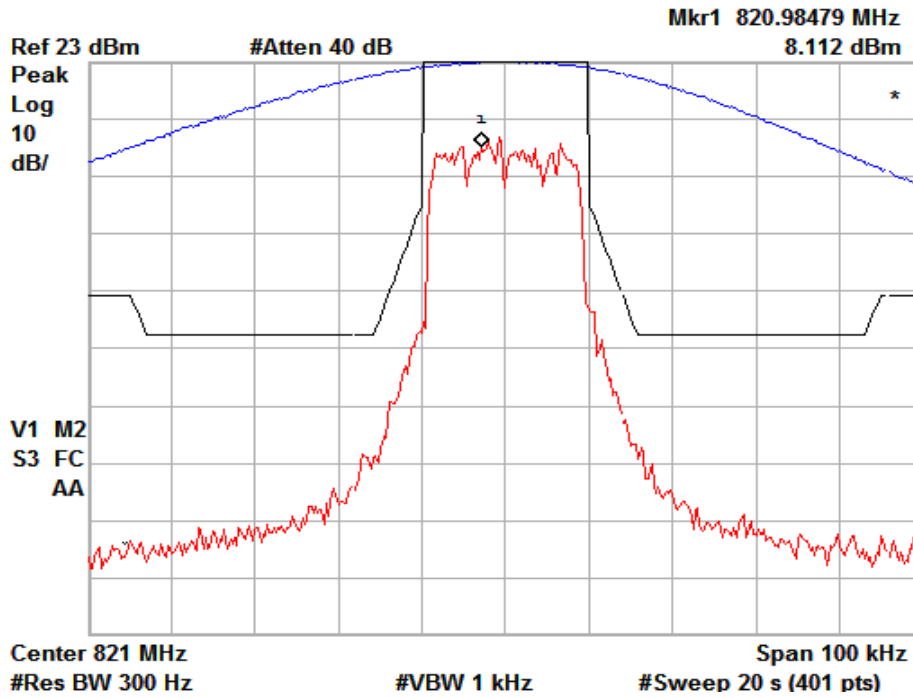


Figure 6a-2.3.9. WiDEN25 800 MHz Band, QAM64, Maximum Power, Emission Mask G

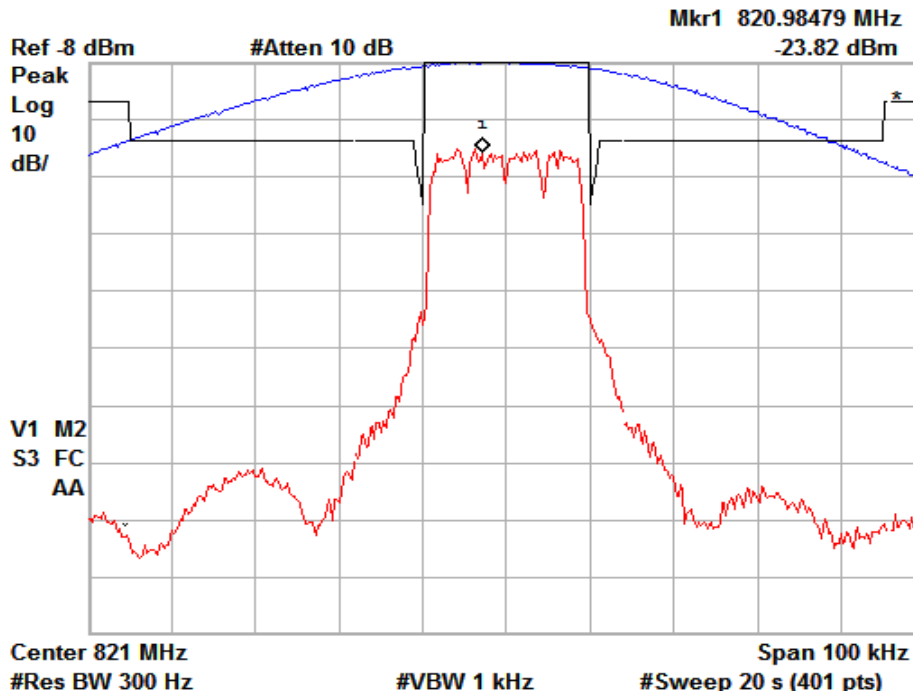


Figure 6a-2.3.10. WiDEN25 800 MHz Band, QAM64, Minimum Power, Emission Mask G

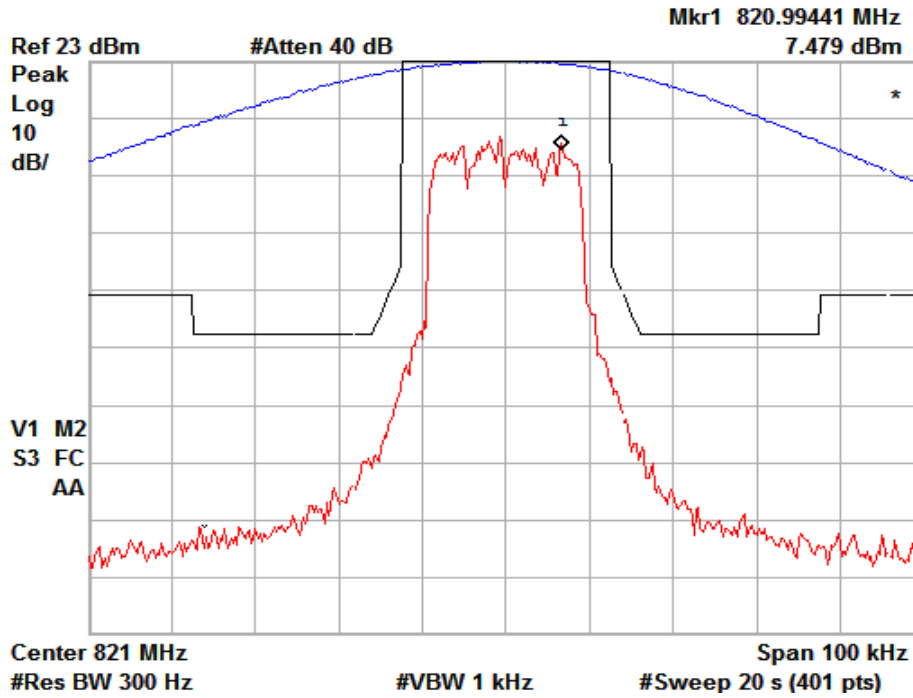


Figure 6a-2.3.11. WiDEN25 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

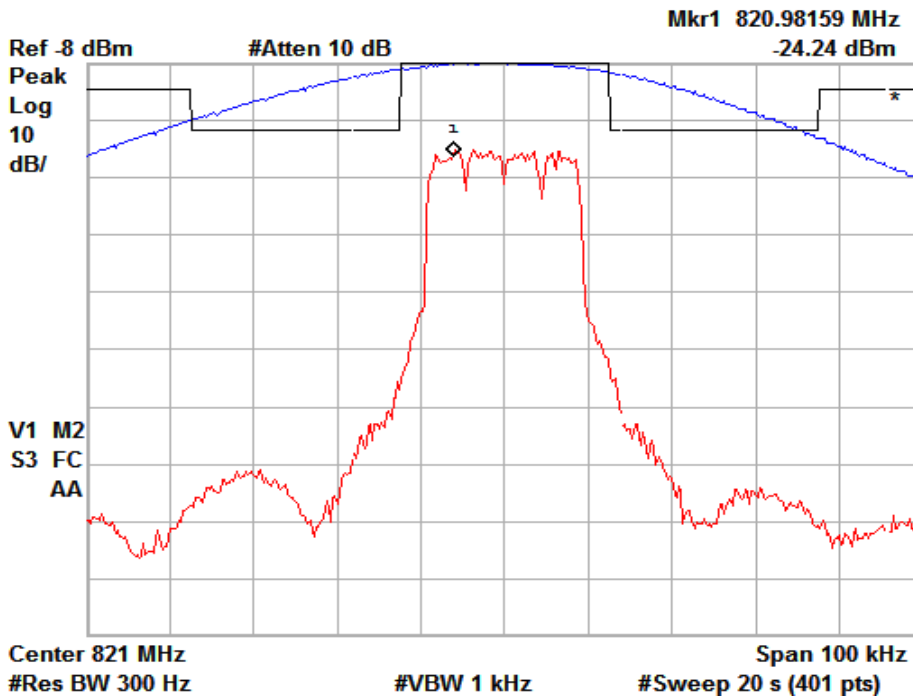


Figure 6a-2.3.12. WiDEN25 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.4 Emission Designator 43K3D7D - WiDEN50 800 MHz Band

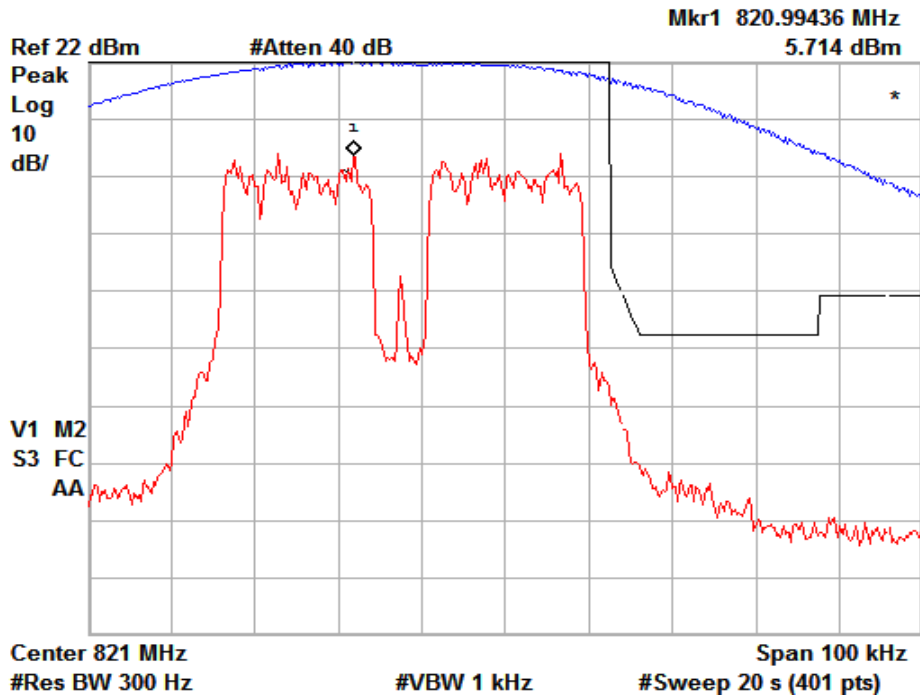


Figure 6a-2.4.1. WiDEN50 800 MHz Band, Continuous Quad-QPSK, Maximum Power, EA Emission Mask

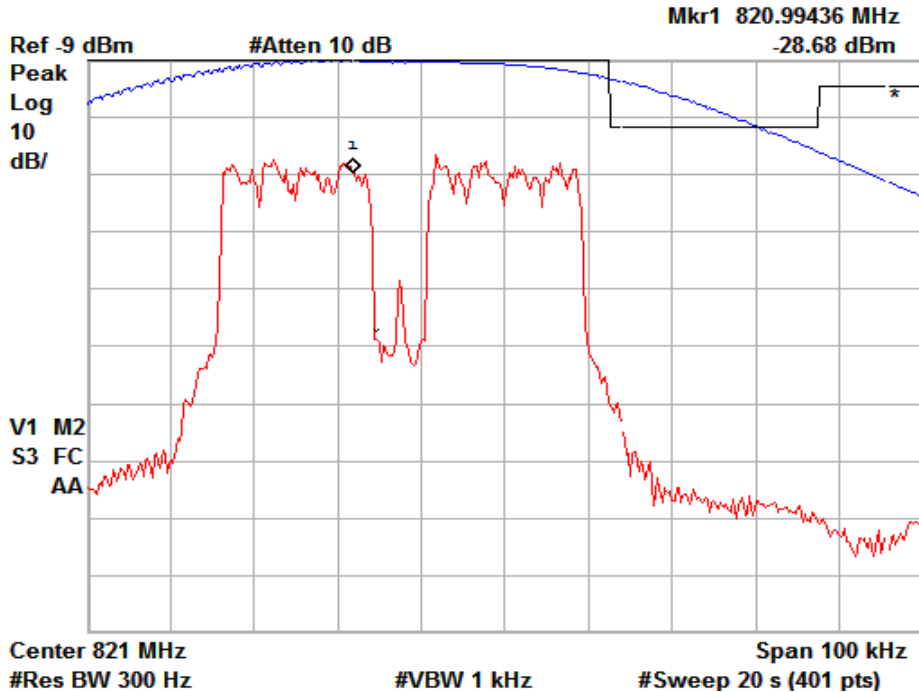


Figure 6a-2.4.2. WiDEN50 800 MHz Band, Continuous Quad-QPSK, Minimum Power, EA Emission Mask

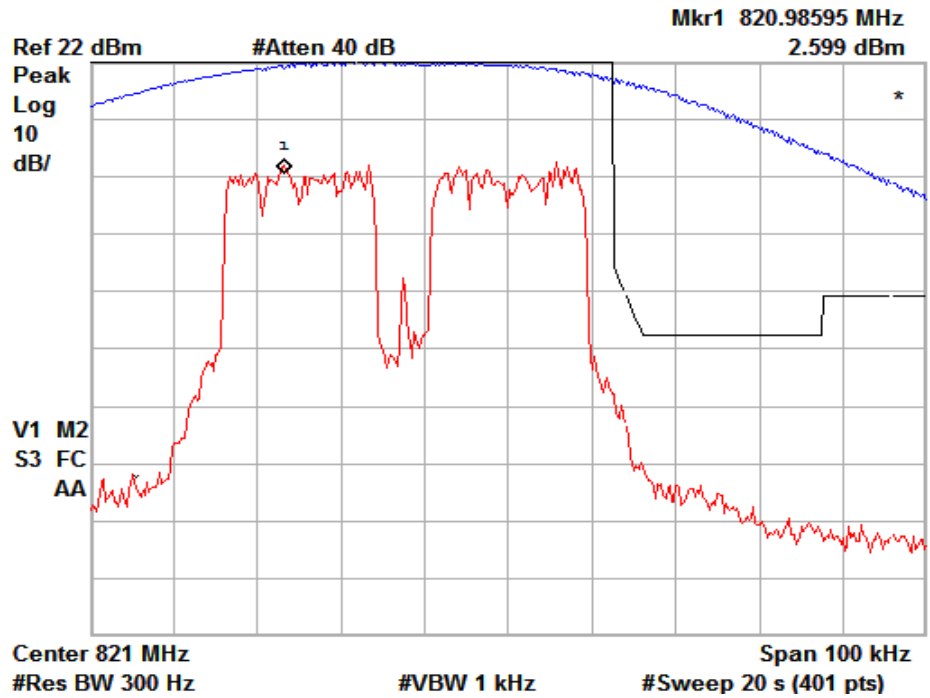


Figure 6a-2.4.3. WiDEN50 800 MHz Band, Continuous QAM16, Maximum Power, EA Emission Mask

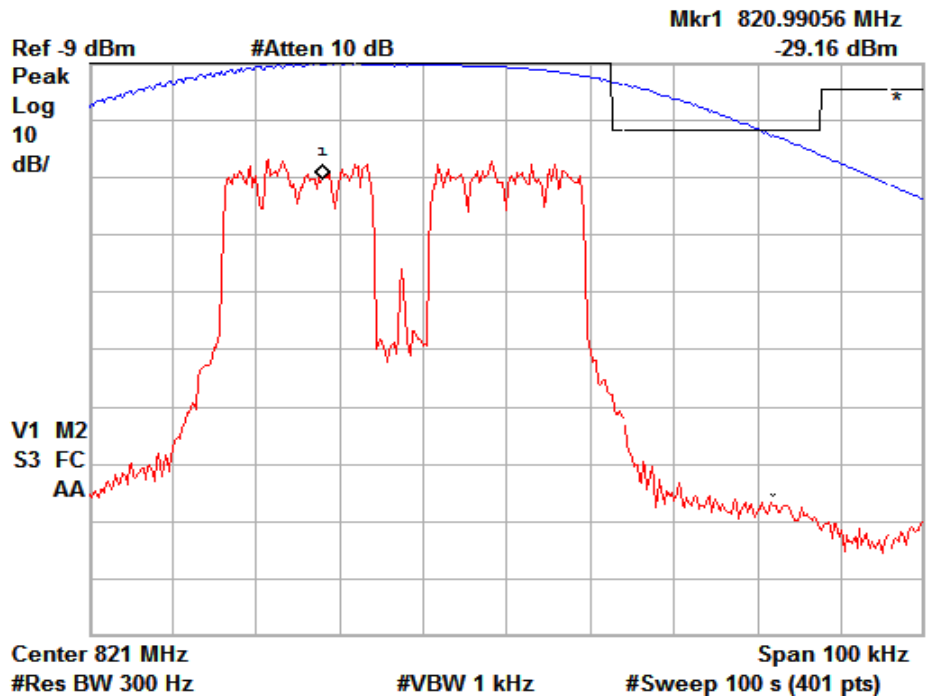


Figure 6a-2.4.4. WiDEN50 800 MHz Band, Continuous QAM16, Minimum Power, EA Emission Mask

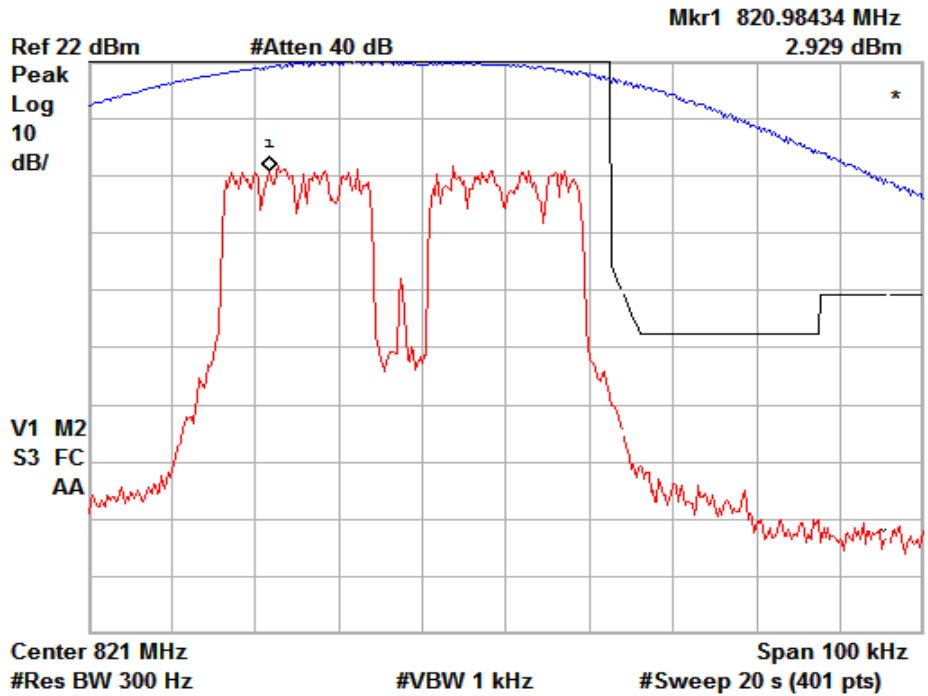


Figure 6a-2.4.5. WiDEN50 800 MHz Band, Continuous QAM64, Maximum Power, EA Emission Mask

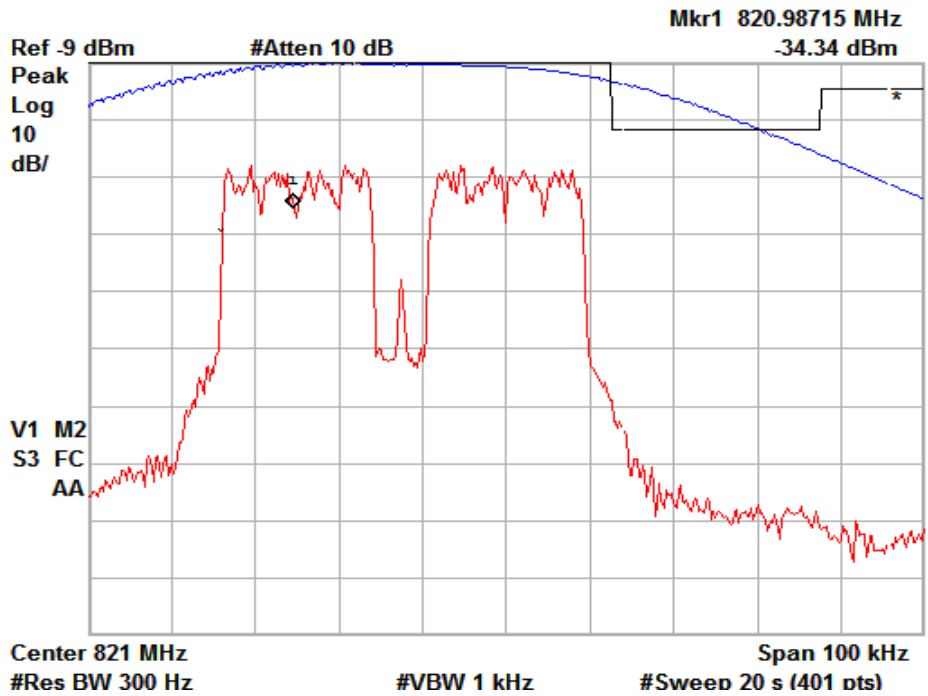


Figure 6a-2.4.6. WiDEN50 800 MHz Band, Continuous QAM64, Minimum Power, EA Emission Mask

### 6a.2.5 Emission Designator 68K3D7D - WiDEN75 800 MHz Band

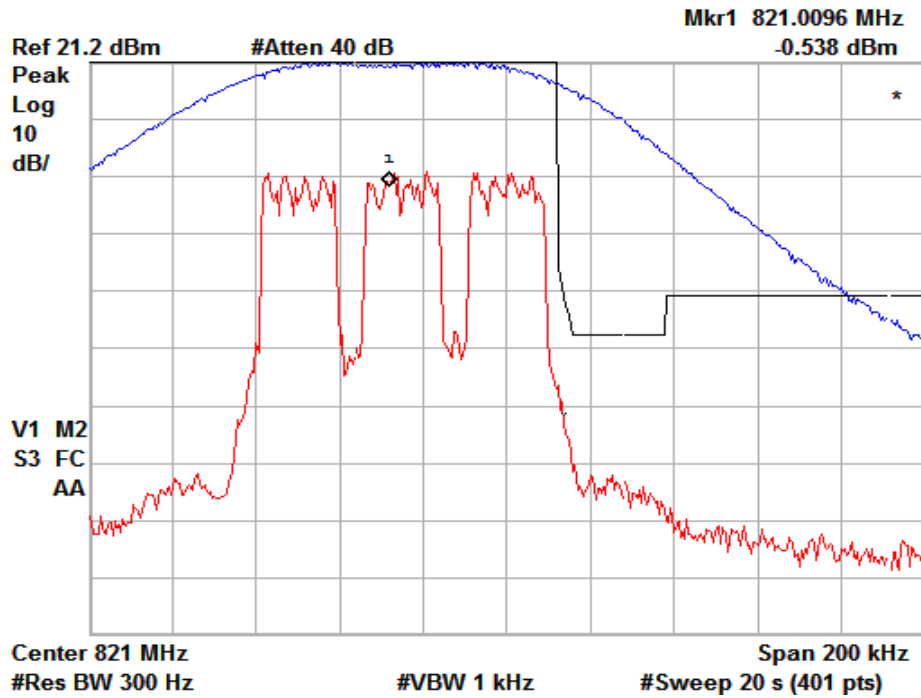


Figure 6a-2.5.1. WiDEN75 800 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

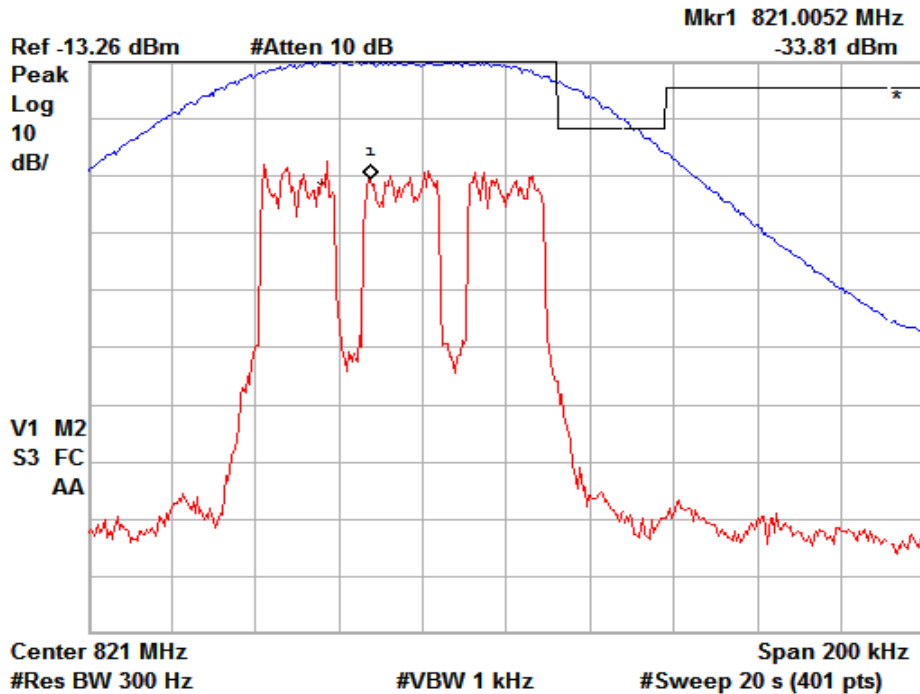


Figure 6a-2.5.2. WiDEN75 800 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

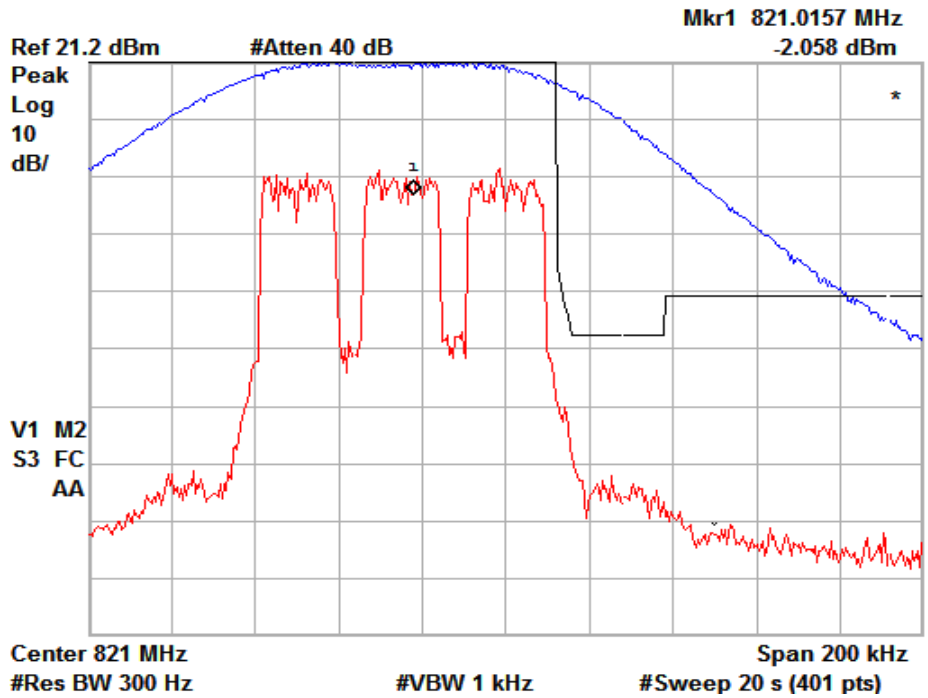


Figure 6a-2.5.3. WiDEN75 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

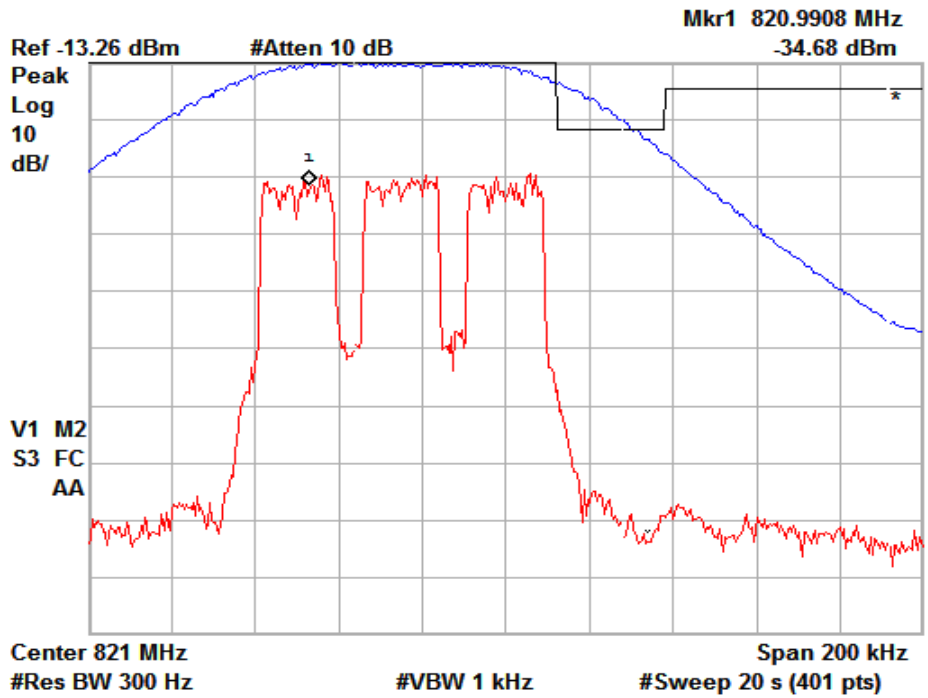


Figure 6a-2.5.4. WiDEN75 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

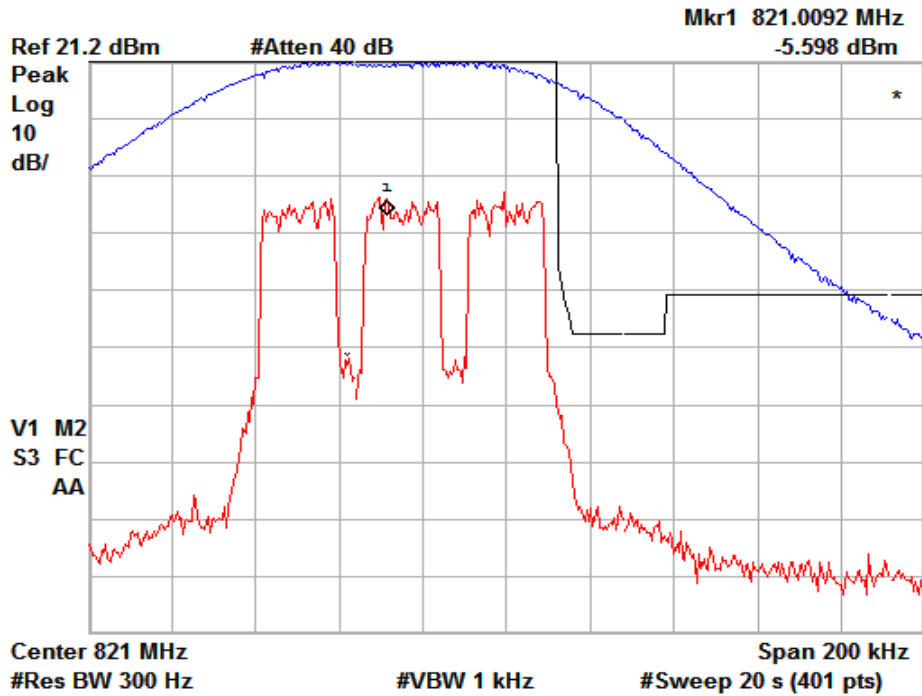


Figure 6a-2.5.5. WiDEN75 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

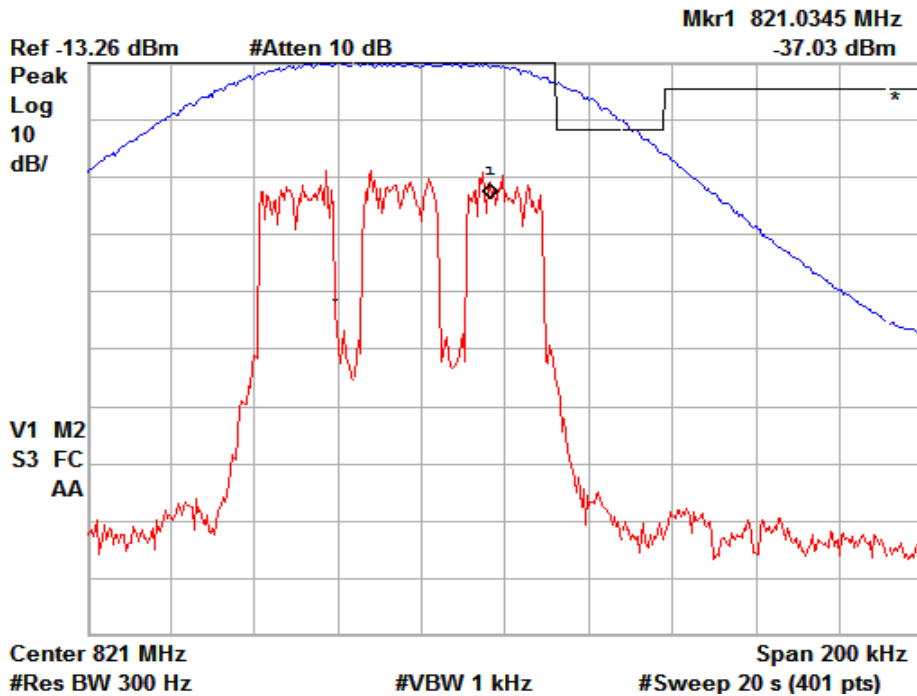


Figure 6a-2.5.6. WiDEN75 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.6 Emission Designator 93K3D7D - WiDEN100 800 MHz Band

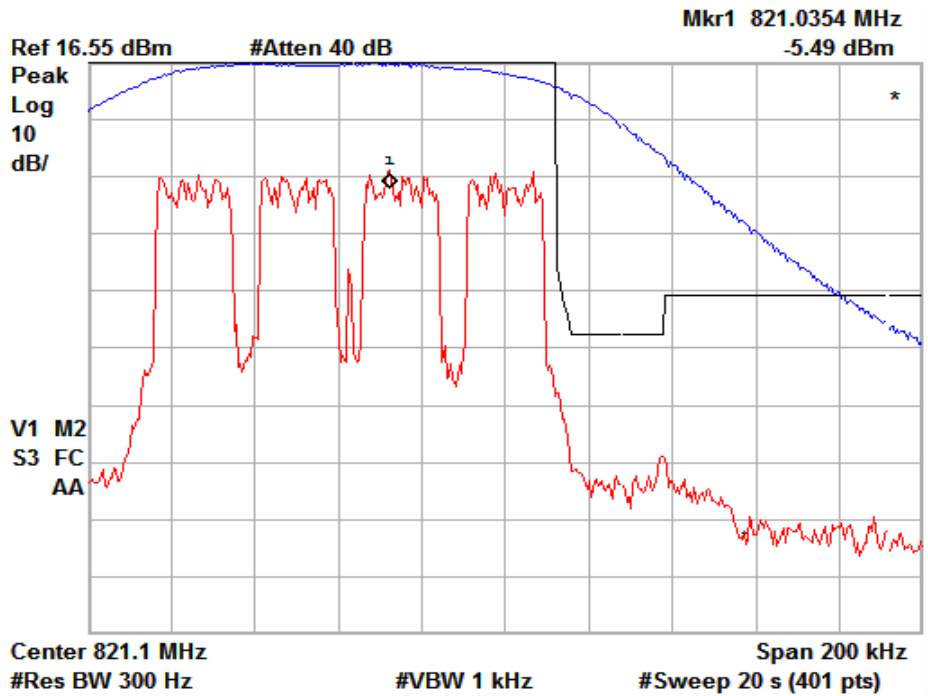


Figure 6a-2.6.1. WiDEN100 800 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

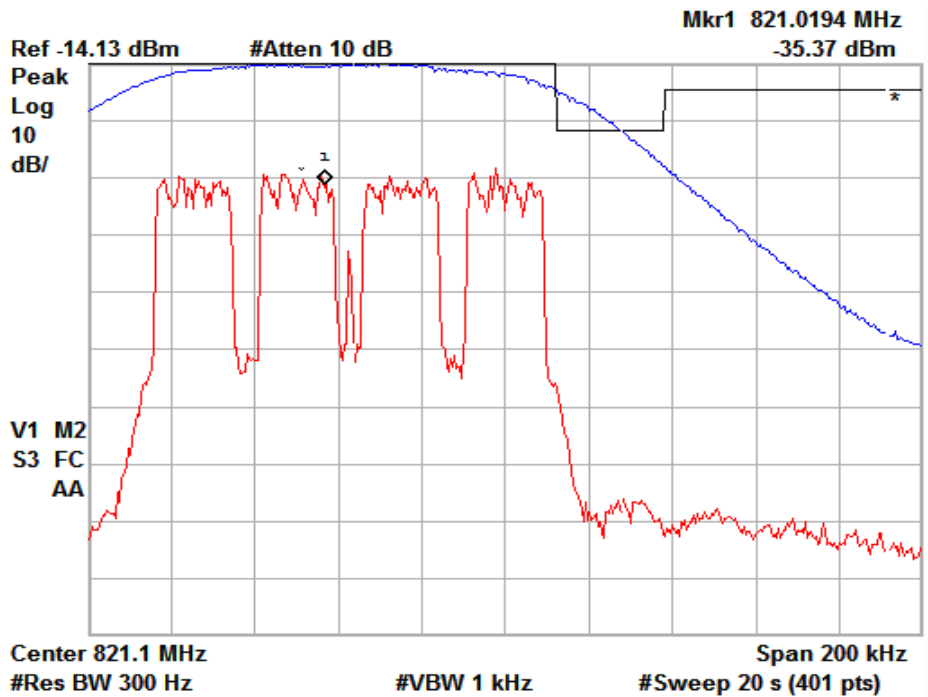


Figure 6a-2.6.2. WiDEN100 800 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

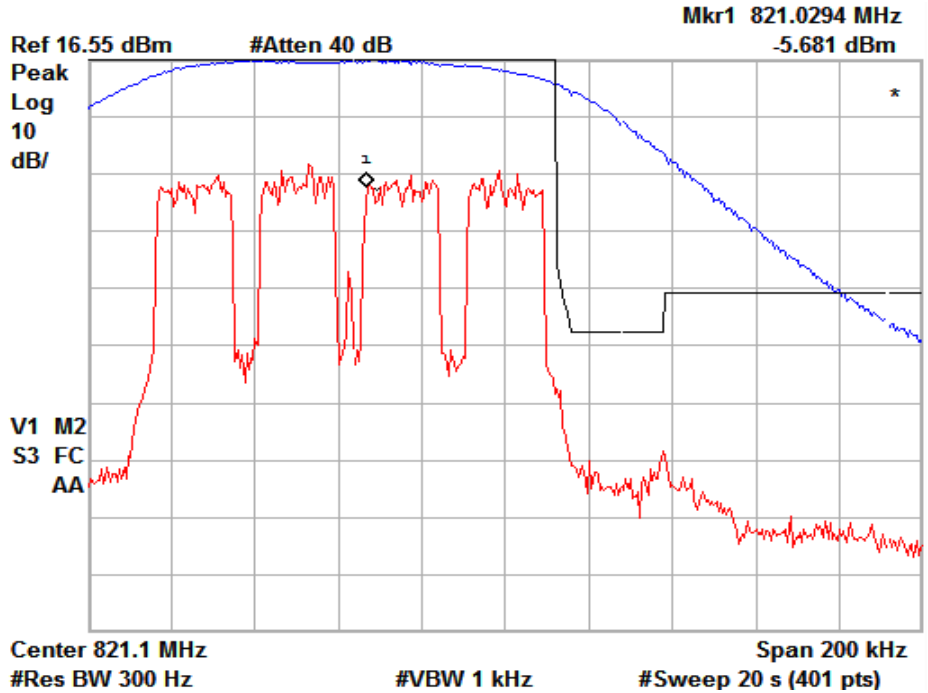


Figure 6a-2.6.3. WiDEN100 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

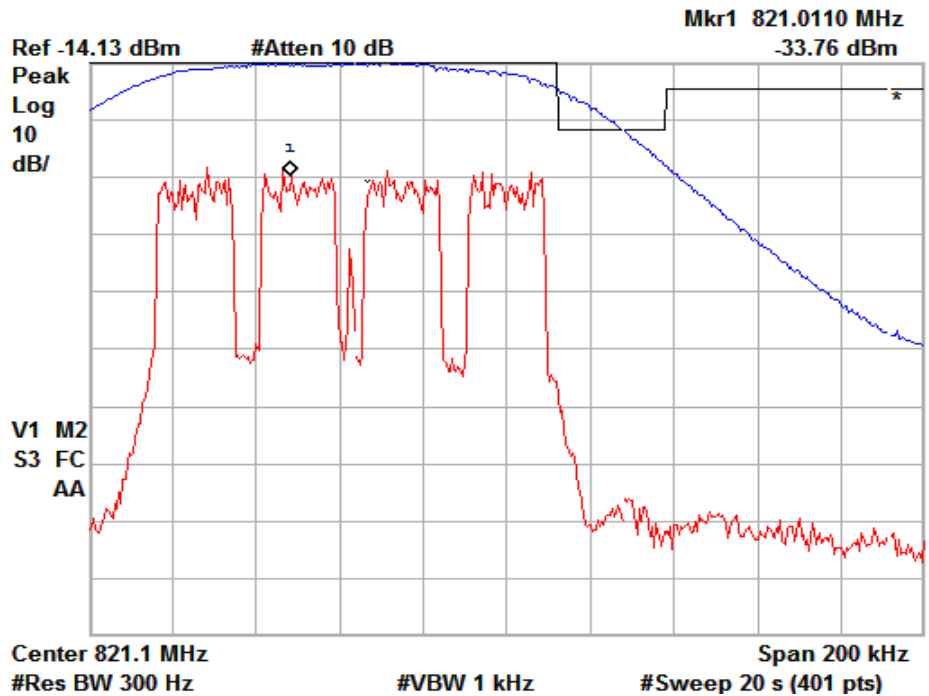


Figure 6a-2.6.4. WiDEN100 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

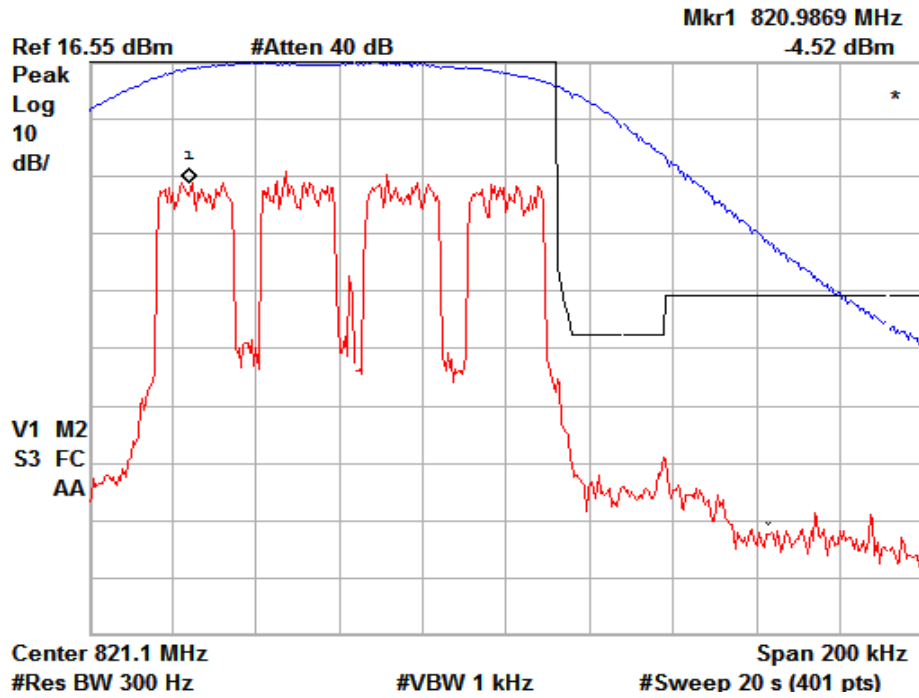


Figure 6a-2.6.5. WiDEN100 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

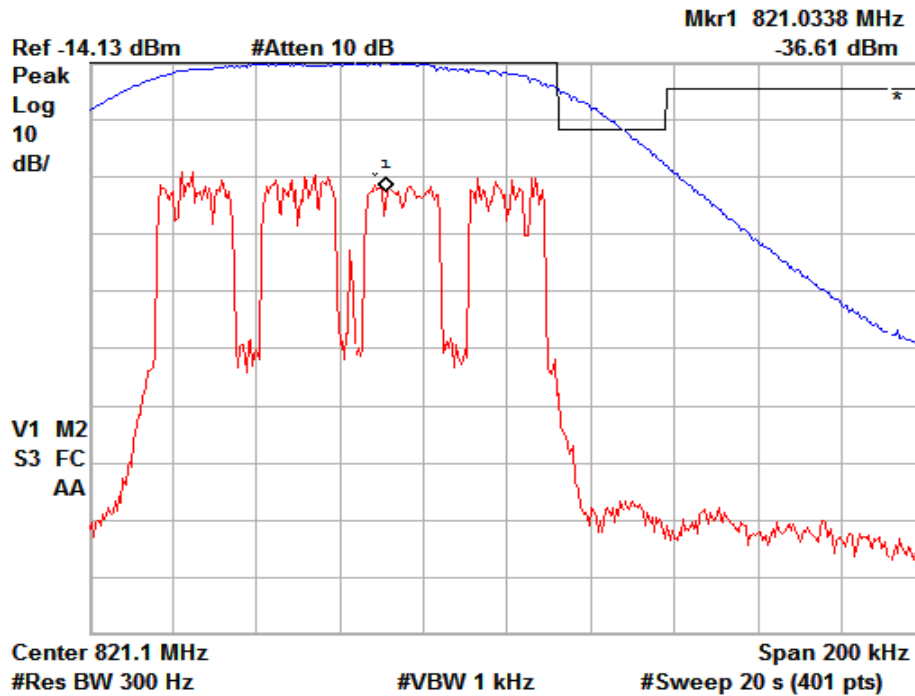


Figure 6a-2.6.6. WiDEN100 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.7 Emission Designator 93K3D7D – WiDEN 50 Split 800 MHz Band

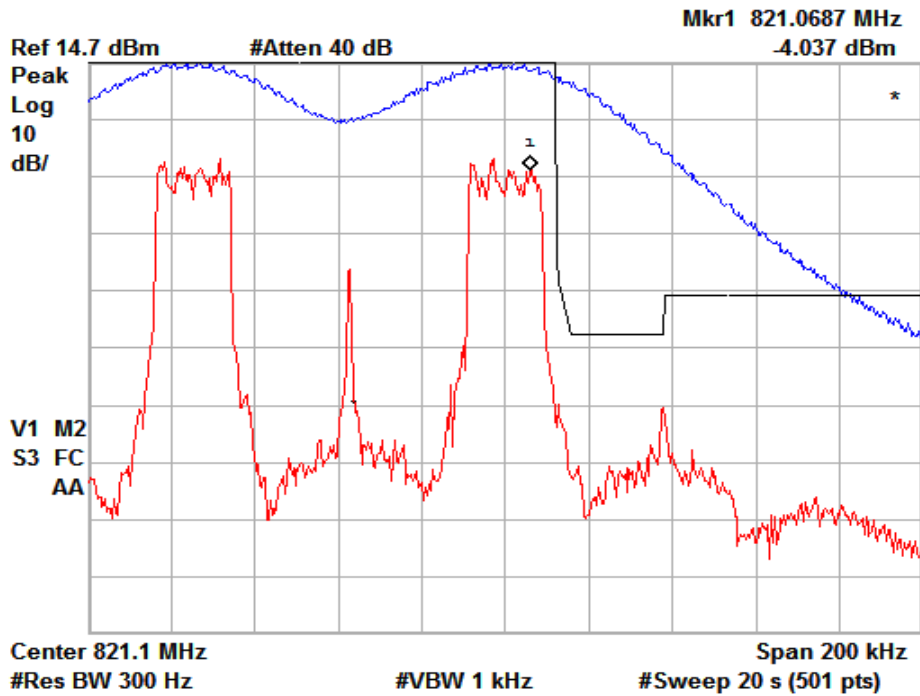


Figure 6a-2.7.1. WiDEN50 Split 800 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

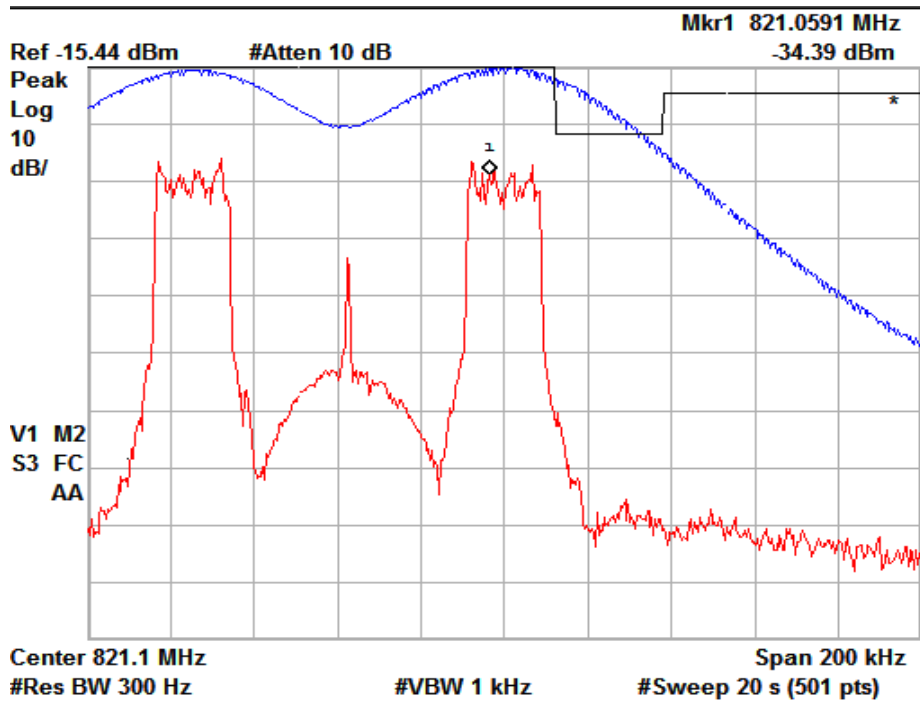


Figure 6a-2.7.2. WiDEN50 Split 800 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

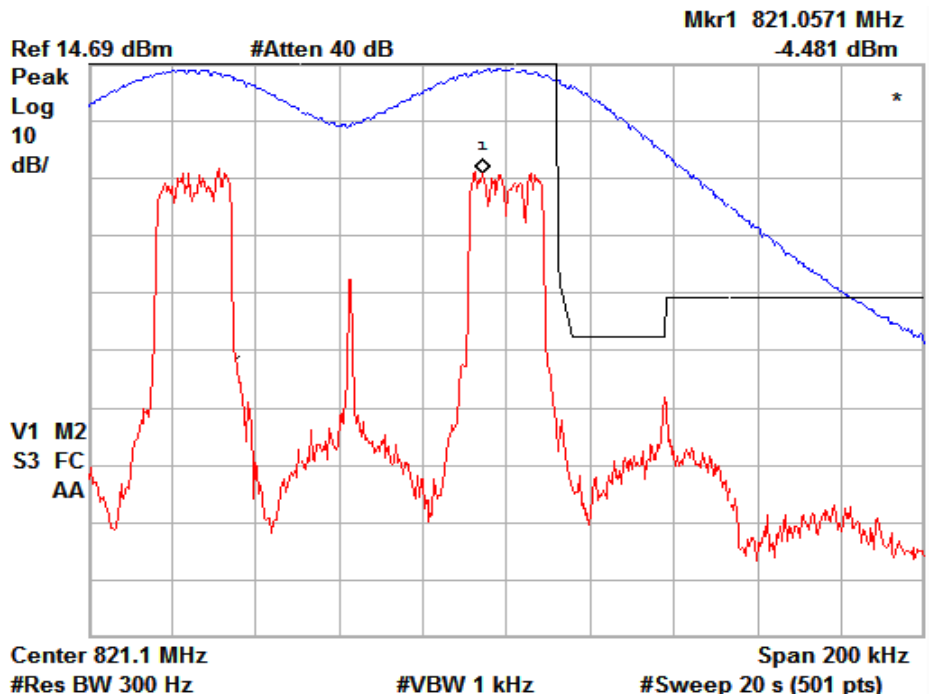


Figure 6a-2.7.3. WiDEN50 Split 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

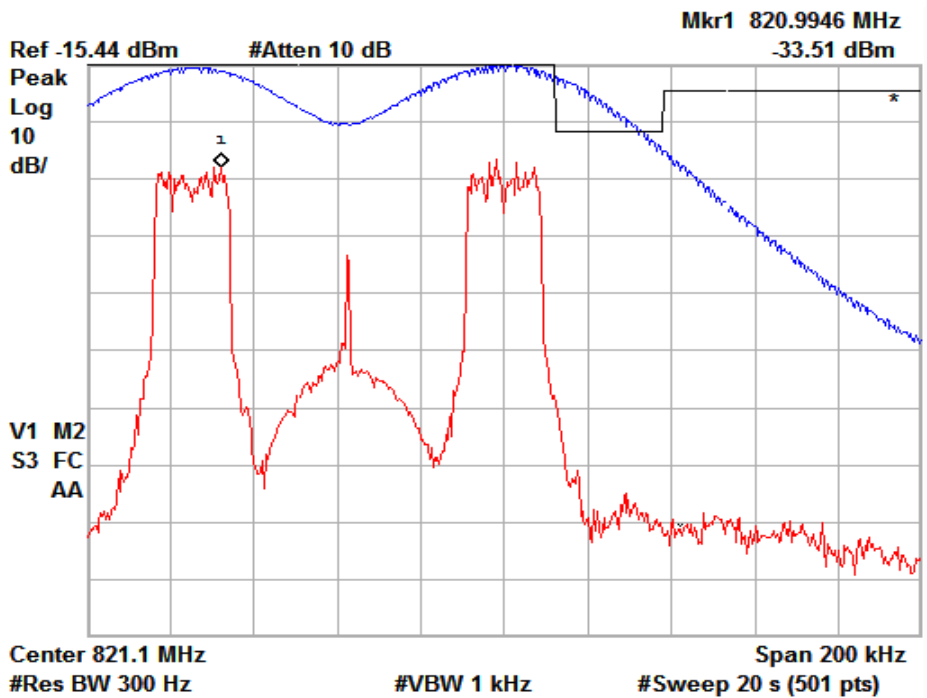


Figure 6a-2.7.4. WiDEN50 Split 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

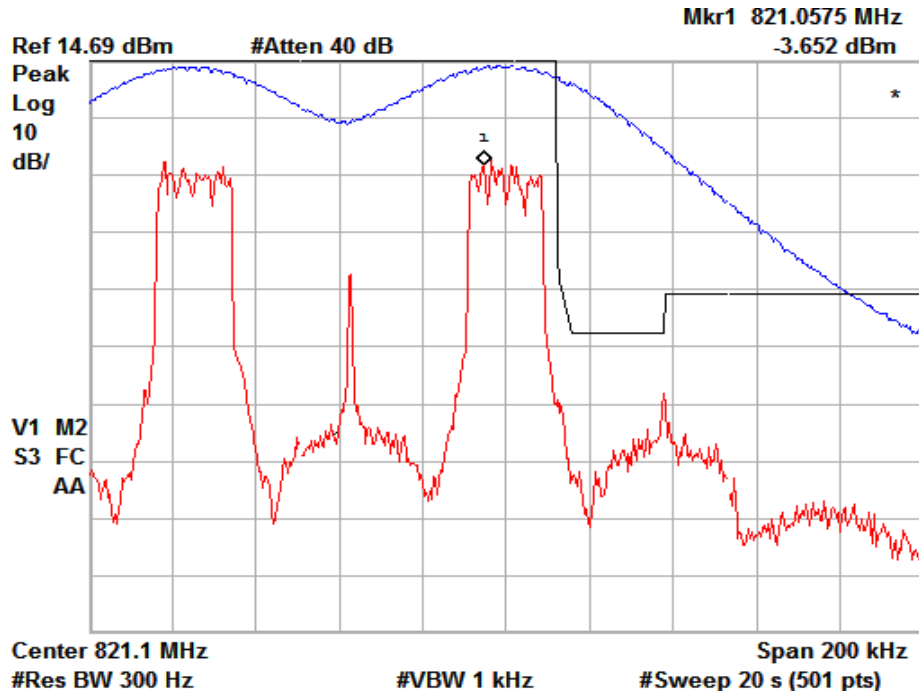


Figure 6a-2.7.5. WiDEN50 Split 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

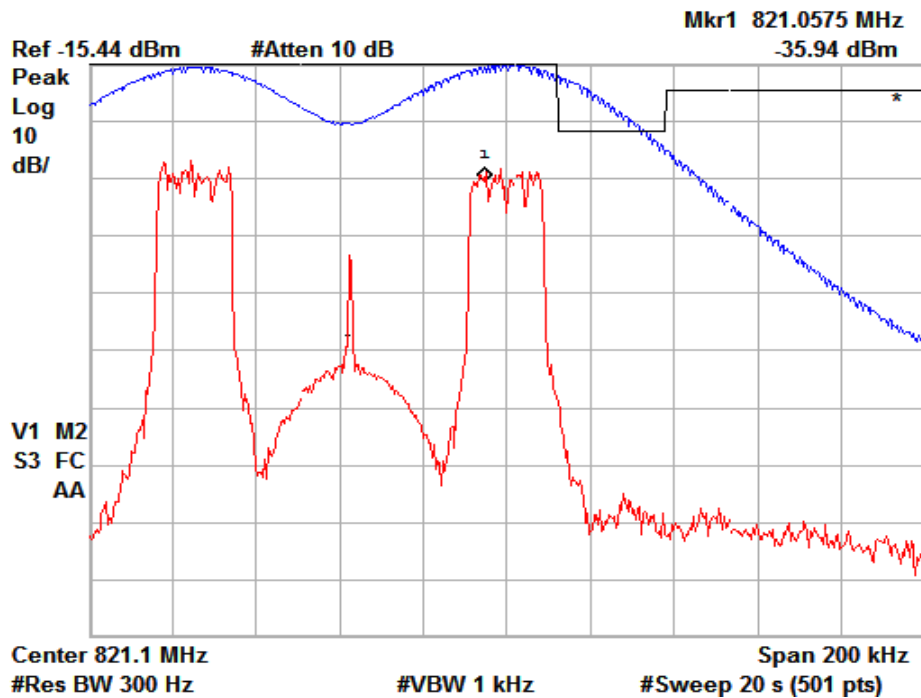


Figure 6a-2.7.6. WiDEN50 Split 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.8 Emission Designator 18K3D7W - WiDEN25 900 MHz Band

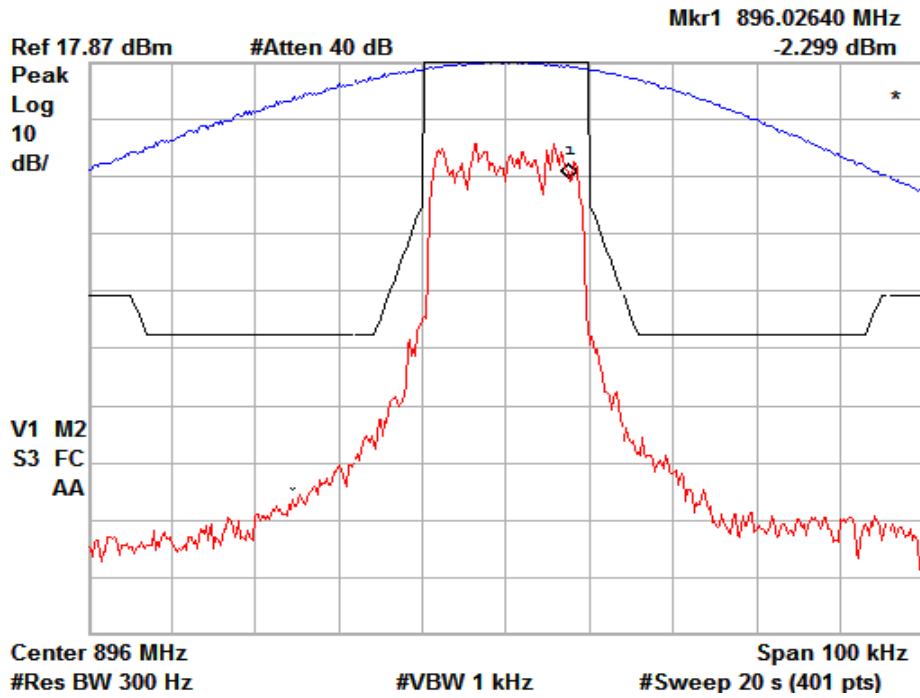


Figure 6a-2.8.1. WiDEN25 900 MHz Band, Quad-QPSK, Maximum Power, Emission Mask G

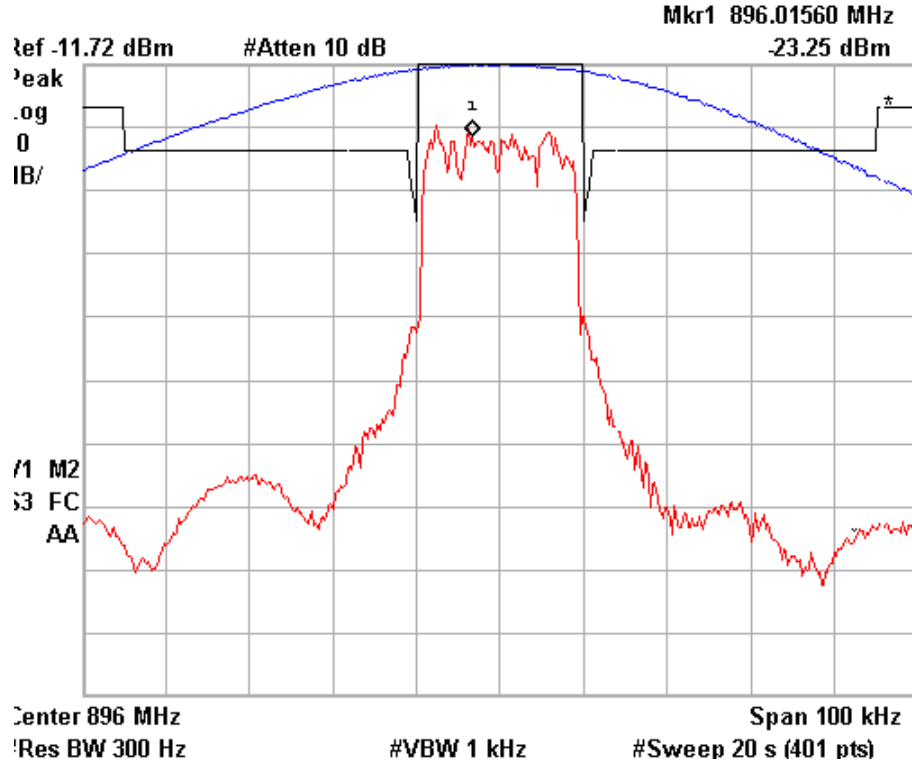


Figure 6a-2.8.2. WiDEN25 900 MHz Band, Quad-QPSK, Minimum Power, Emission Mask G

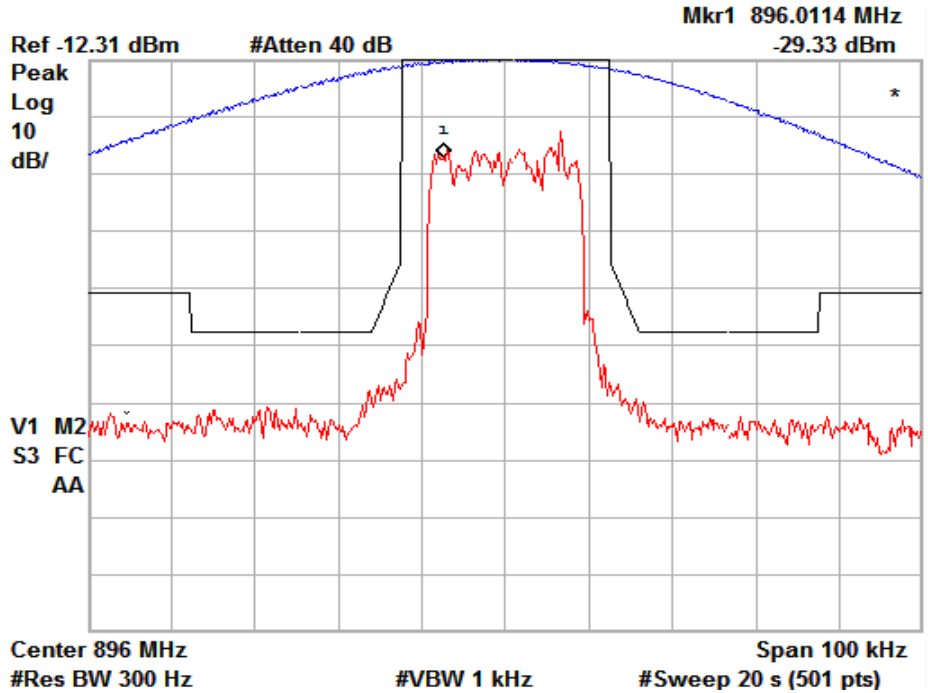


Figure 6a-2.8.3. WiDEN25 900 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

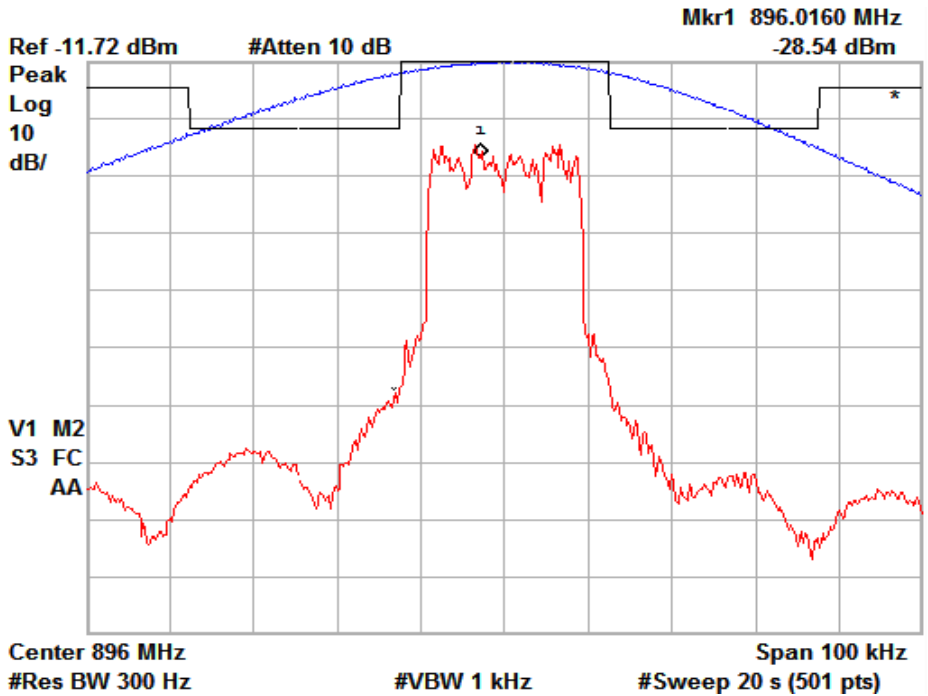


Figure 6a-2.8.4. WiDEN25 900 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

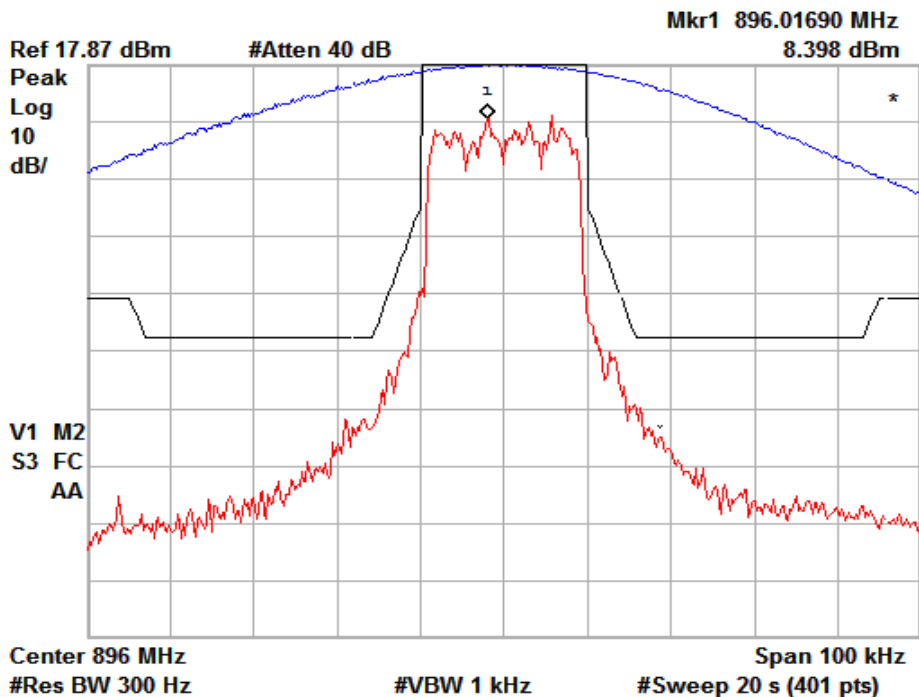


Figure 6a-2.8.5. WiDEN25 900 MHz Band, QAM16, Maximum Power, Emission Mask G

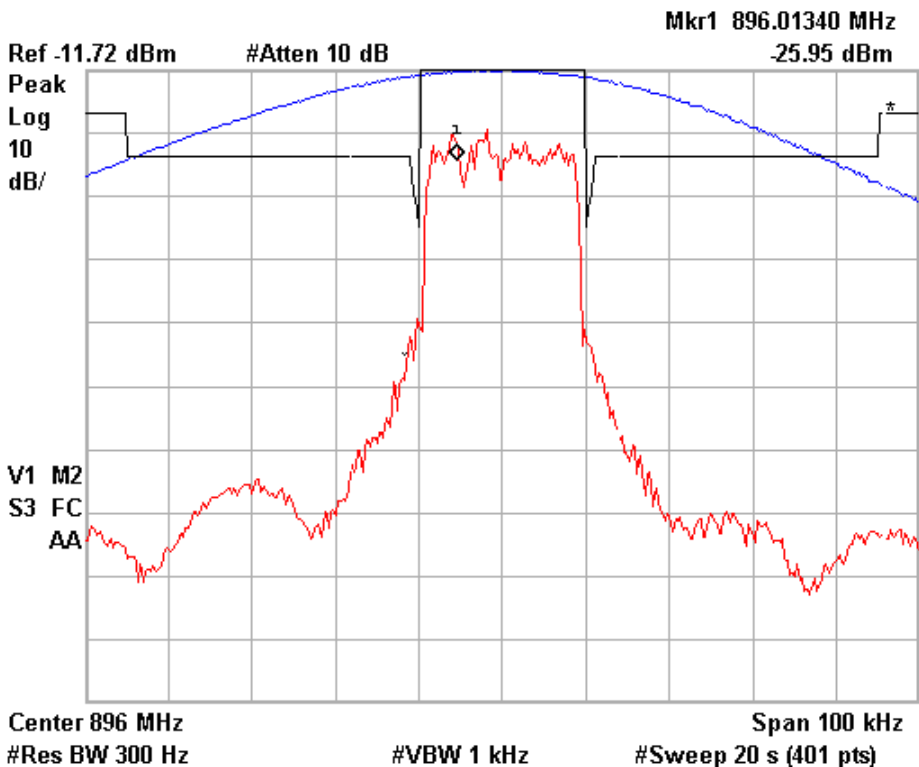


Figure 6a-2.8.6. WiDEN25 900 MHz Band, QAM16, Minimum Power, Emission Mask G

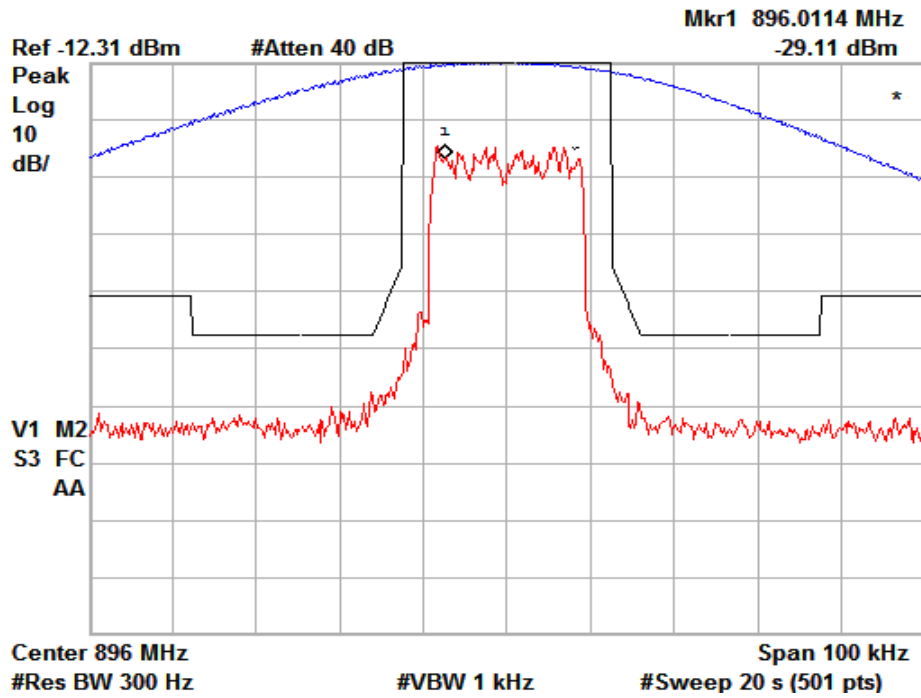


Figure 6a-2.8.7. WiDEN25 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

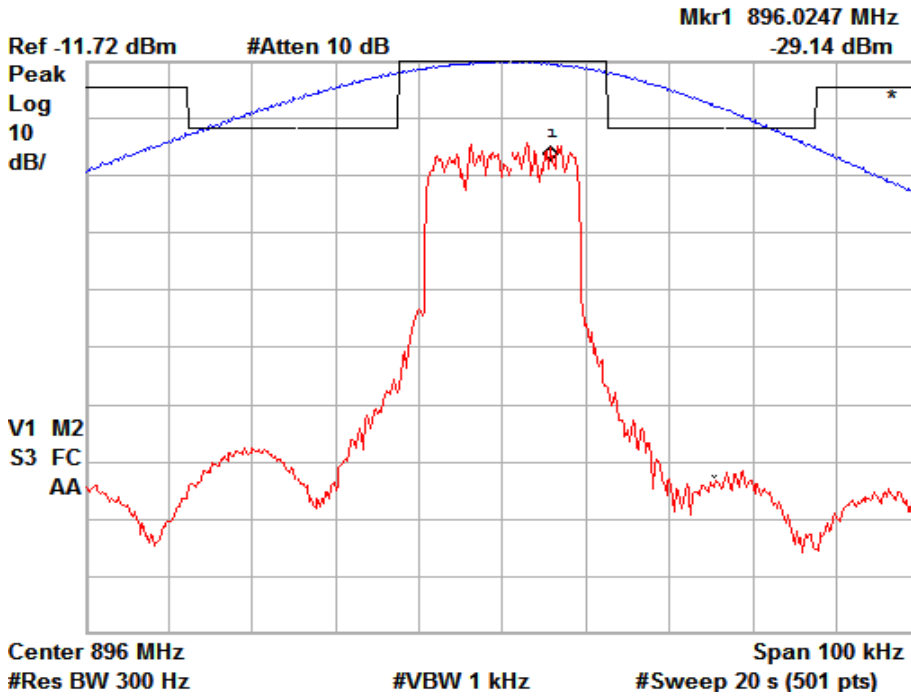


Figure 6a-2.8.8. WiDEN25 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

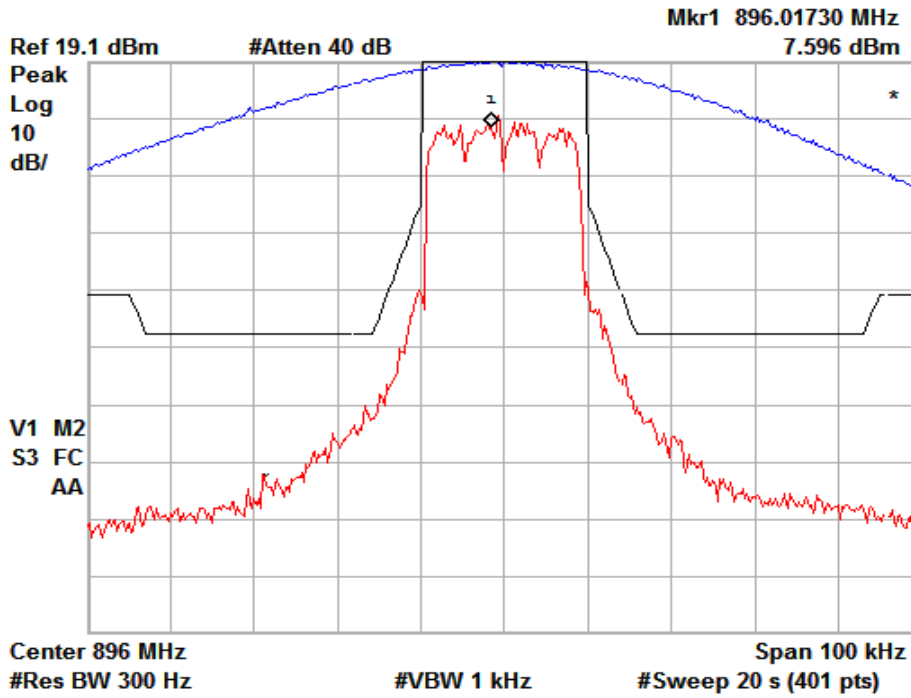


Figure 6a-2.8.9. WiDEN25 900 MHz Band, QAM64, Maximum Power, Emission Mask G

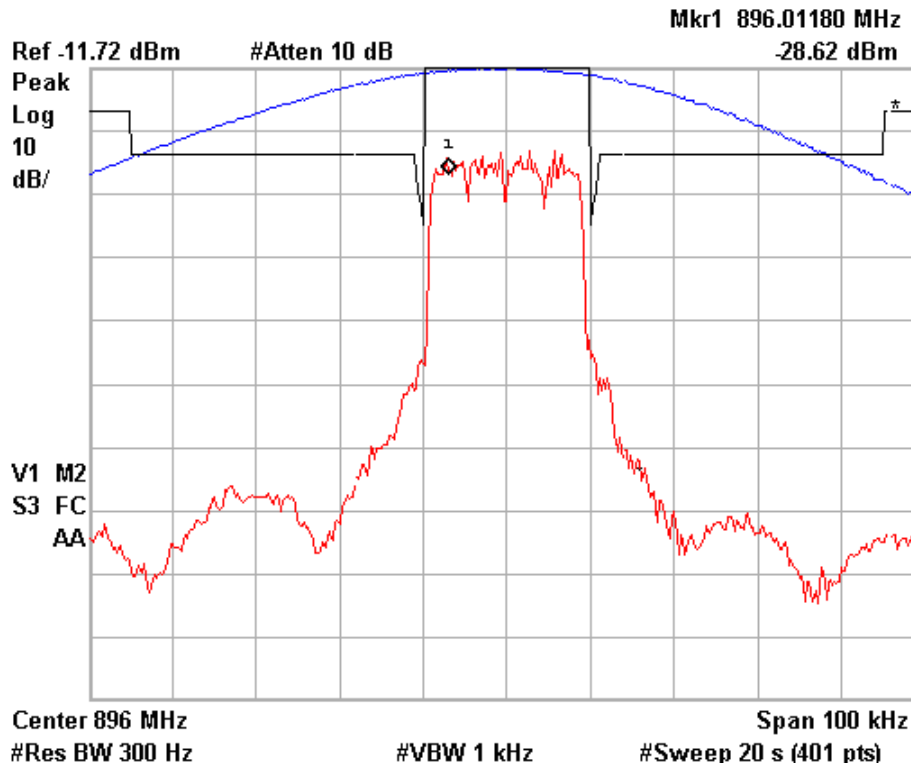


Figure 6a-2.8.10. WiDEN25 900 MHz Band, QAM64, Minimum Power, Emission Mask G

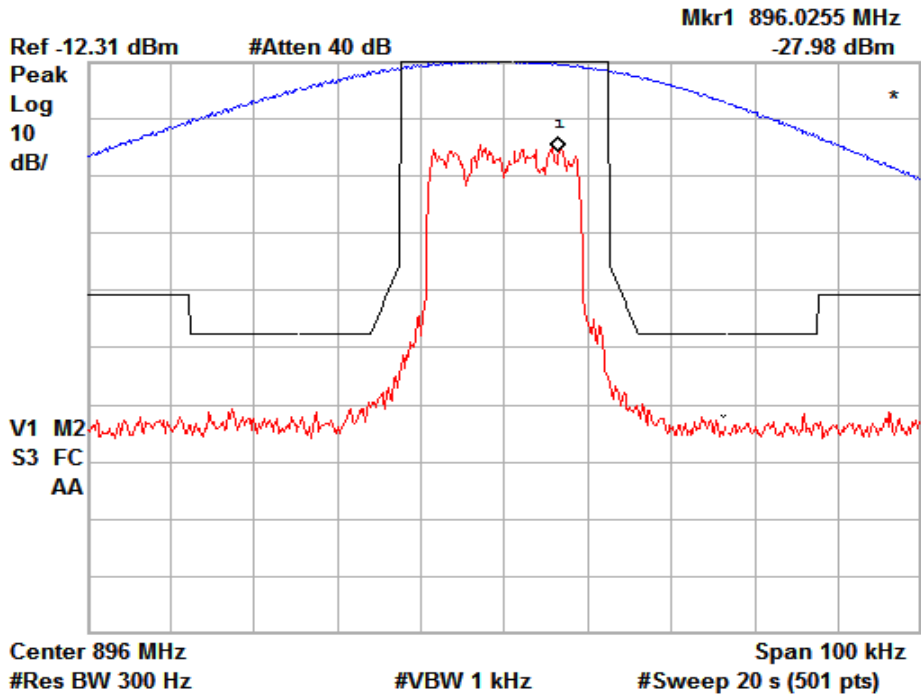


Figure 6a-2.8.11. WiDEN25 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

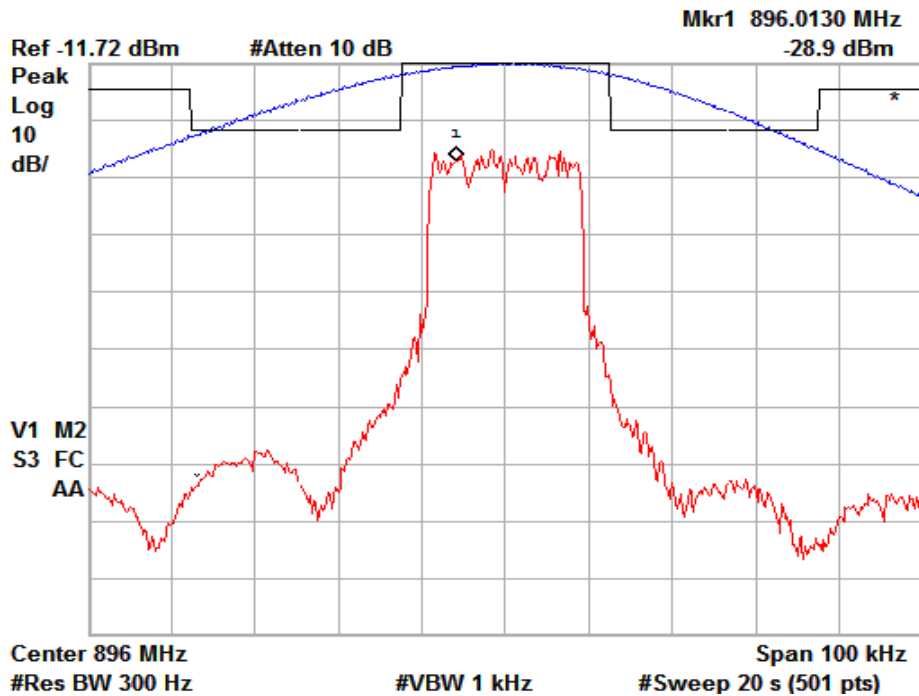


Figure 6a-2.8.12. WiDEN25 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.9 Emission Designator 43K3D7D - WiDEN50 900 MHz Band

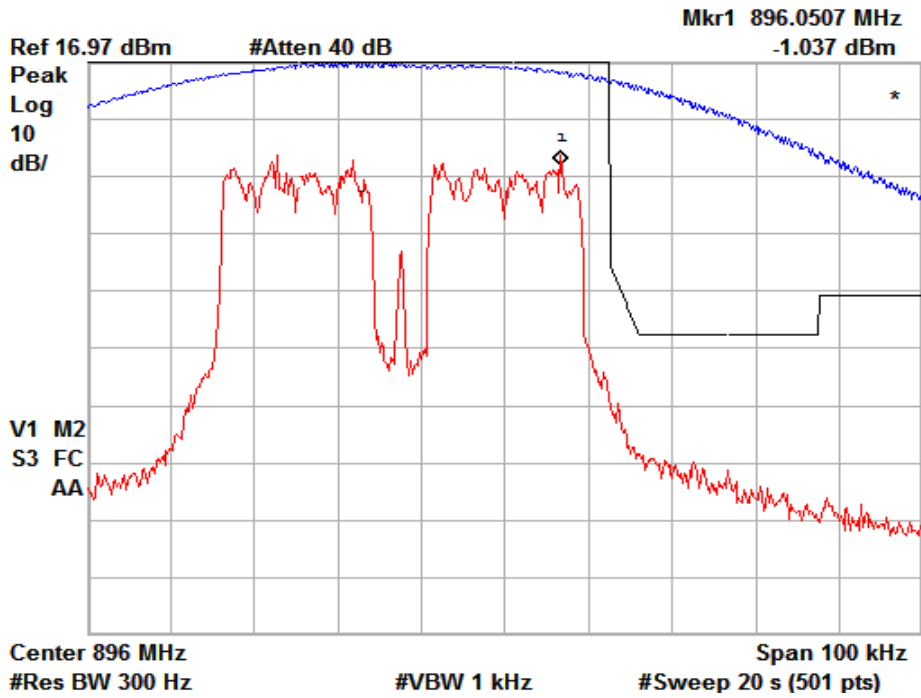


Figure 6a-2.9.1. WiDEN50 900 MHz Band, Continuous Quad-QPSK, Maximum Power, EA Emission Mask

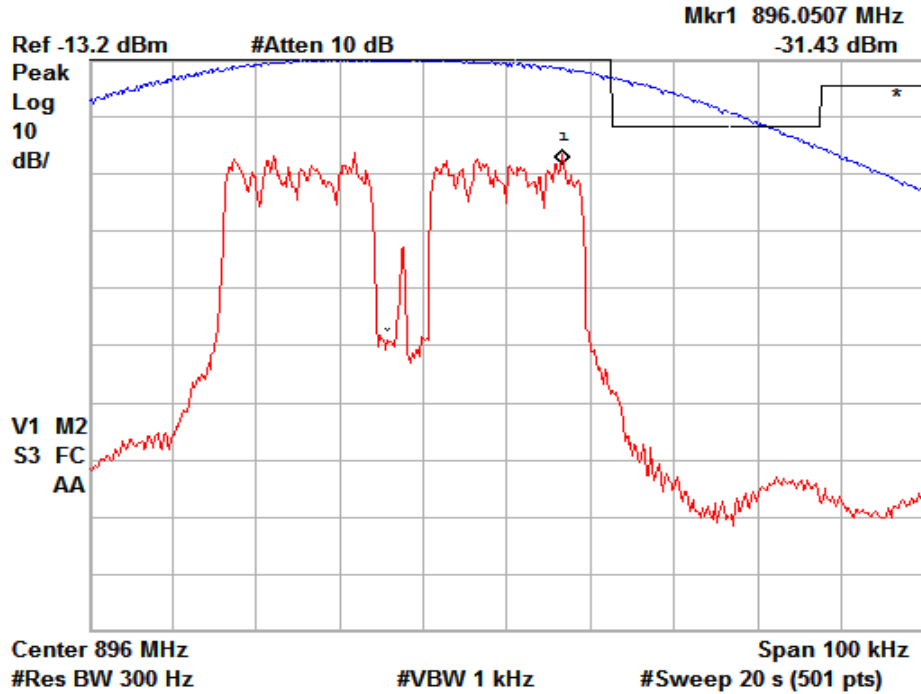


Figure 6a-2.9.2. WiDEN50 900 MHz Band, Continuous Quad-QPSK, Minimum Power, EA Emission Mask

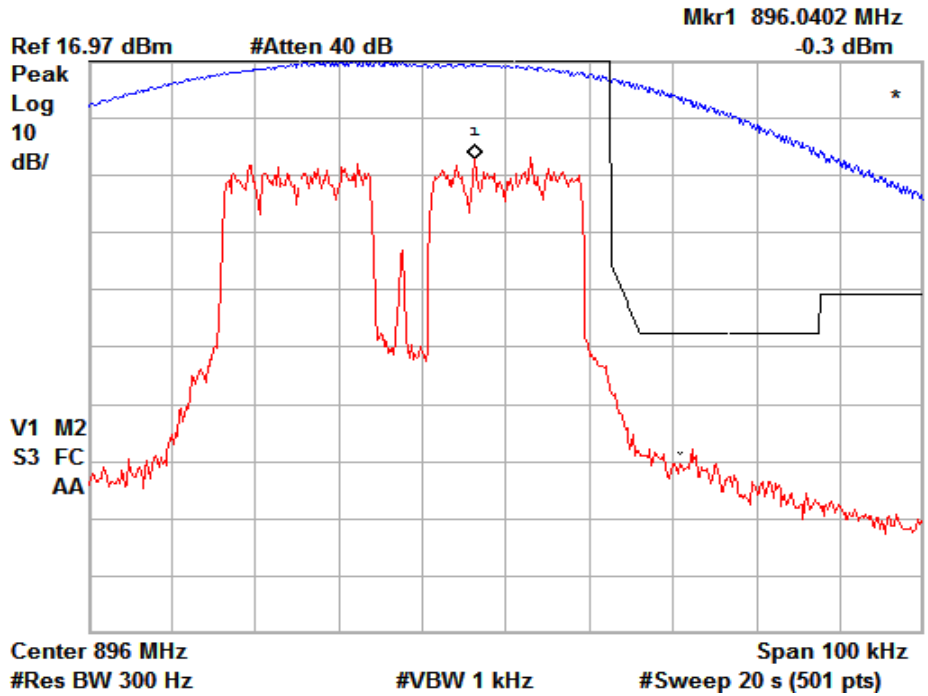


Figure 6a-2.9.3. WiDEN50 900 MHz Band, Continuous QAM16, Maximum Power, EA Emission Mask

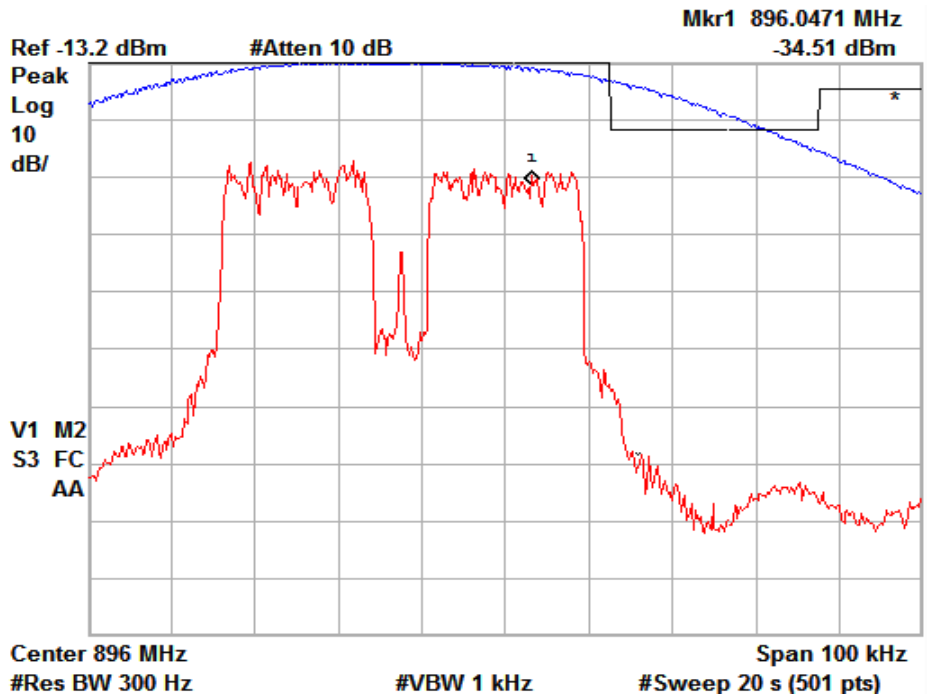


Figure 6a-2.9.4. WiDEN50 900 MHz Band, Continuous QAM16, Minimum Power, EA Emission Mask

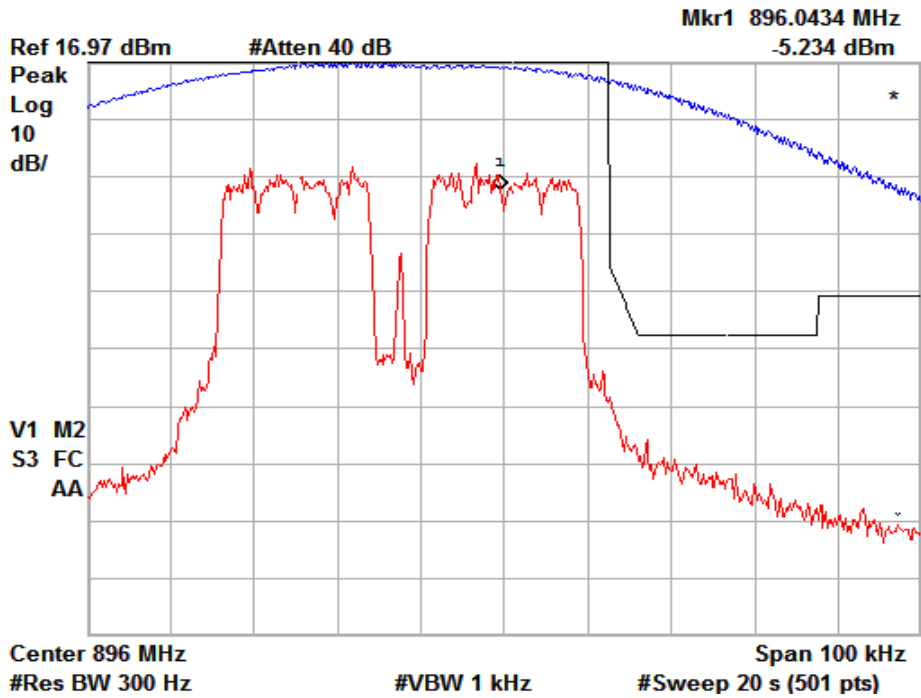


Figure 6a-2.9.5. WiDEN50 900 MHz Band, Continuous QAM64, Maximum Power, EA Emission Mask

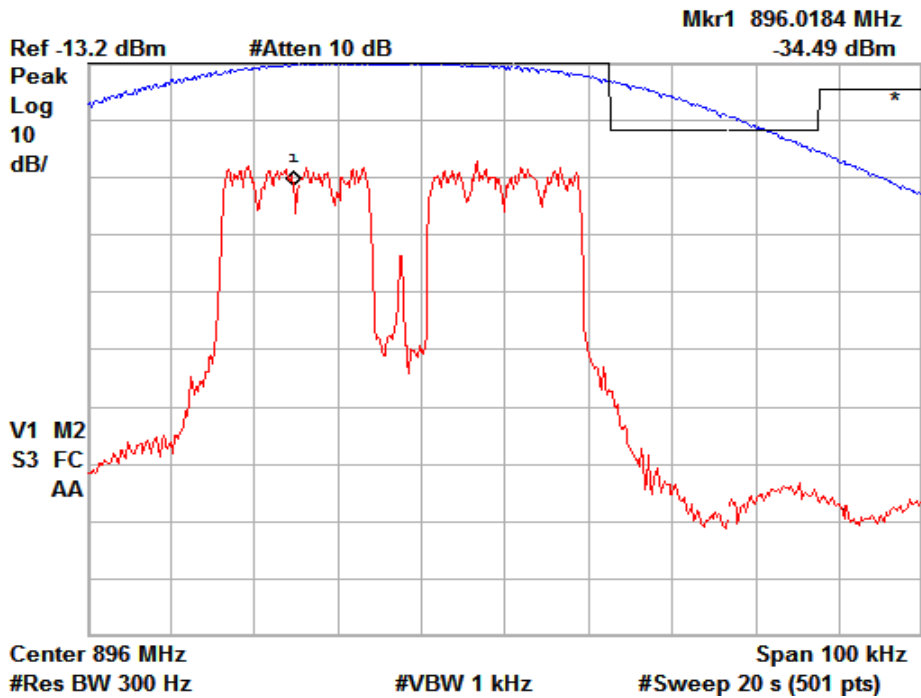


Figure 6a-2.9.6. WiDEN50 900 MHz Band, Continuous QAM64, Minimum Power, EA Emission Mask

### 6a.2.10 Emission Designator 68K3D7D - WiDEN75 900 MHz Band

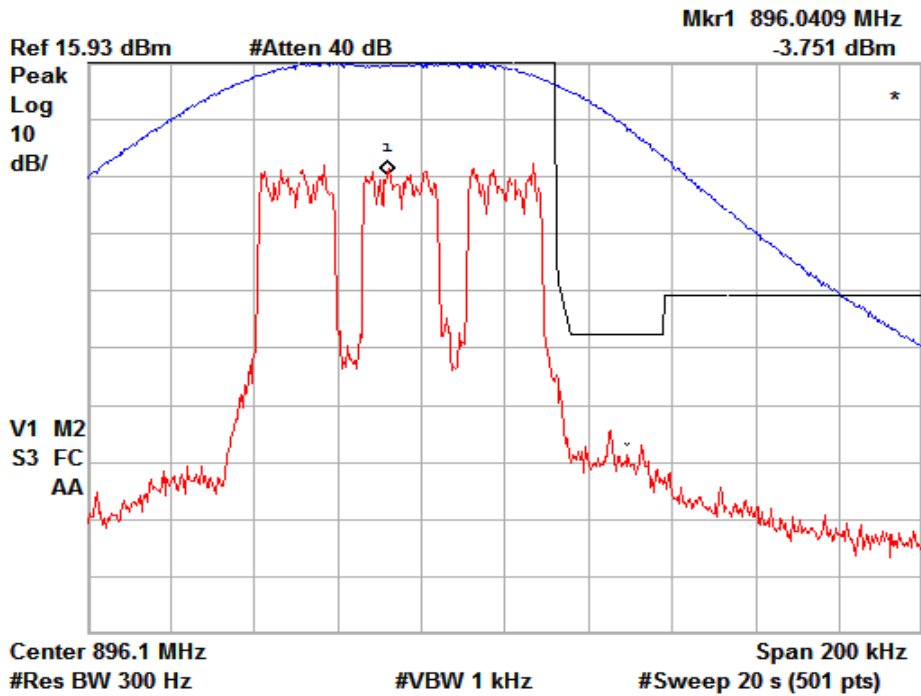


Figure 6a-2.10.1. WiDEN75 900 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

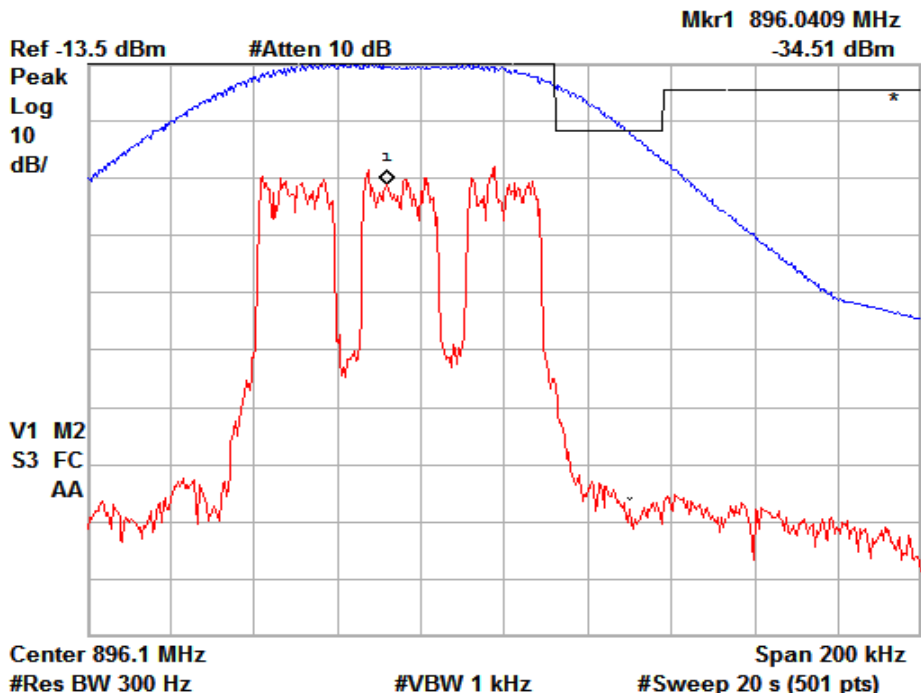


Figure 6a-2.10.2. WiDEN75 900 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

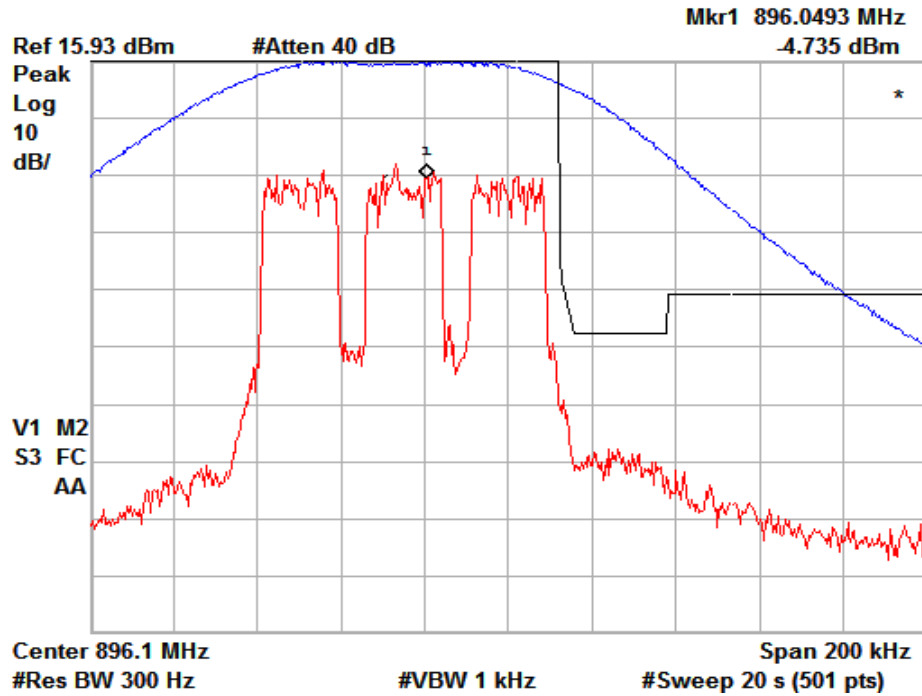


Figure 6a-2.10.3. WiDEN75 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

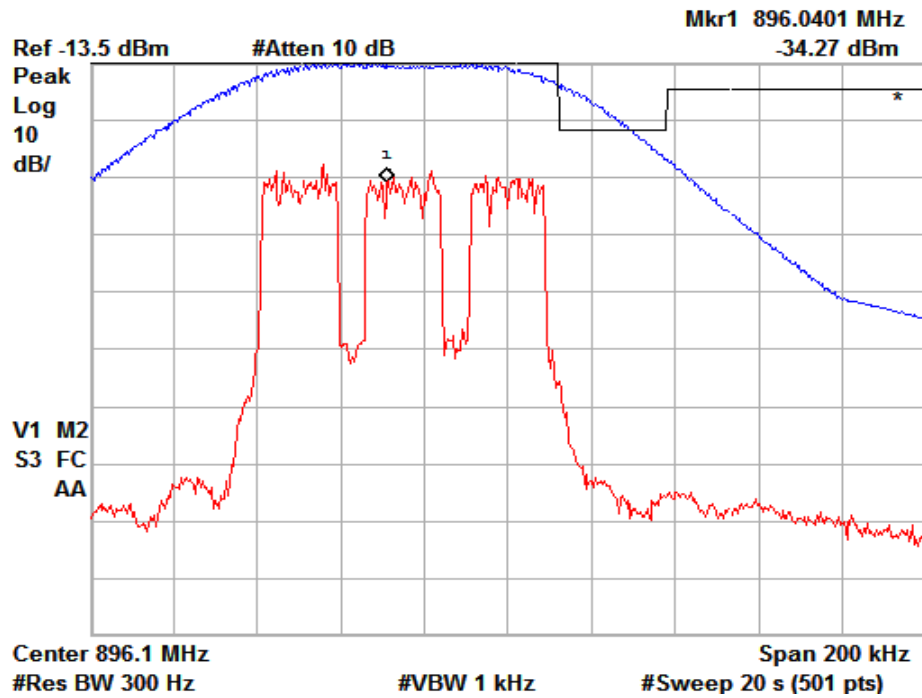


Figure 6a-2.10.4. WiDEN75 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

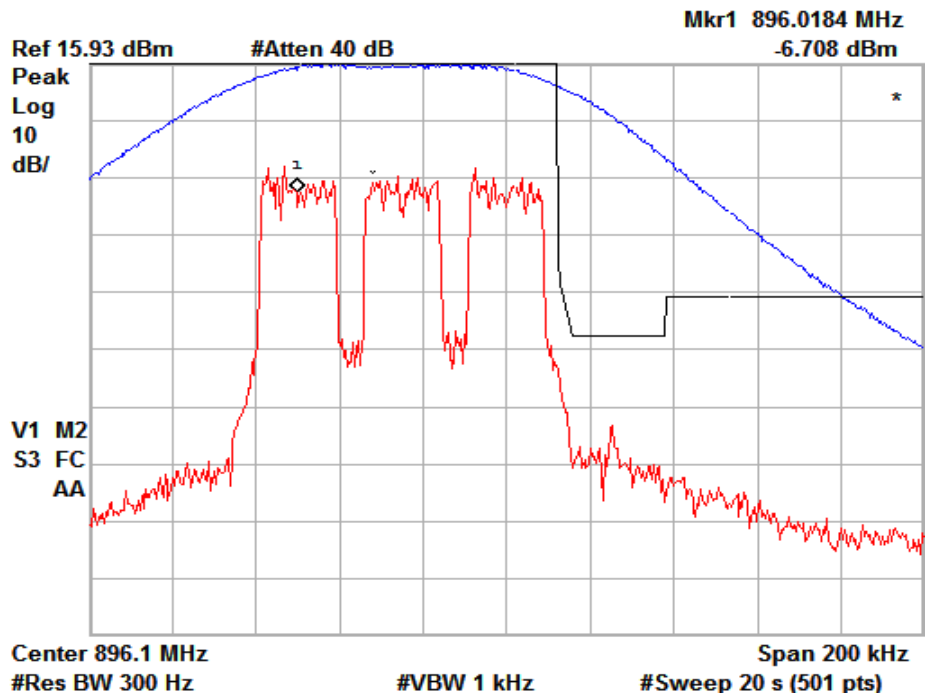


Figure 6a-2.10.5. WiDEN75 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

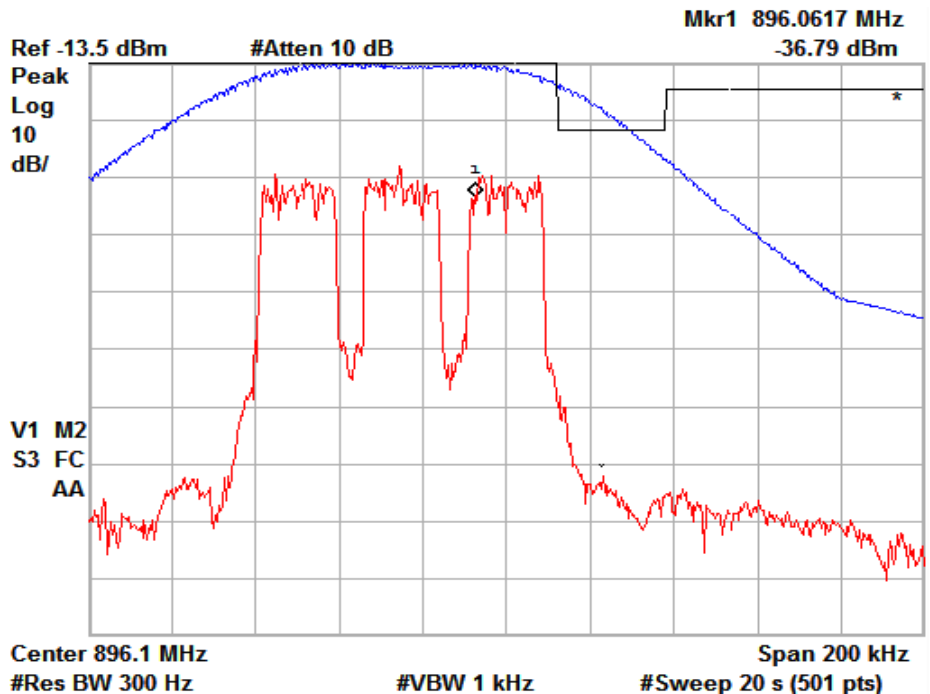


Figure 6a-2.10.6. WiDEN75 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.11 Emission Designator 93K3D7D - WiDEN100 900 MHz Band

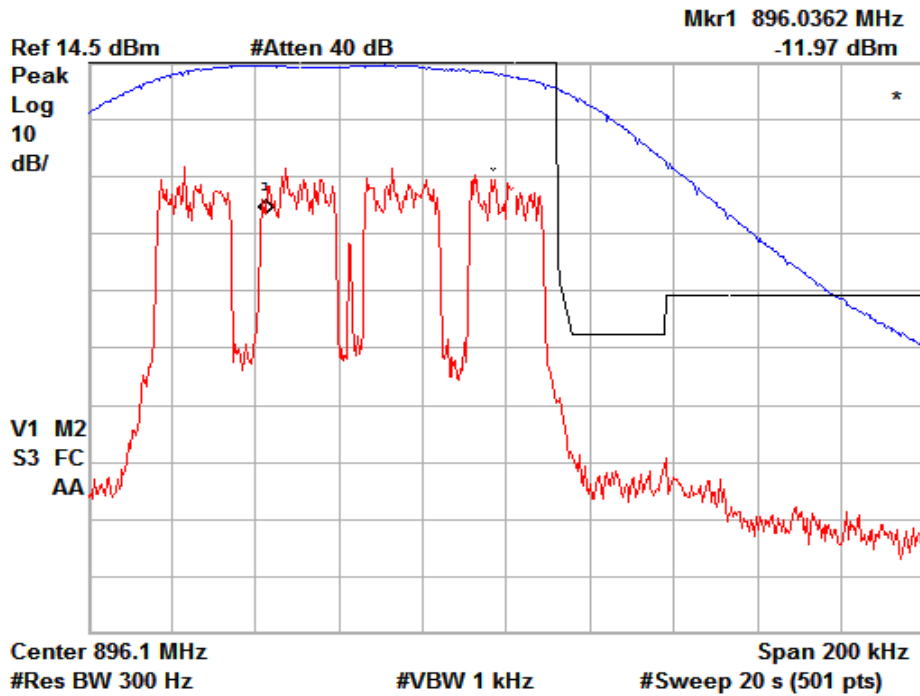


Figure 6a-2.11.1. WiDEN100 900 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

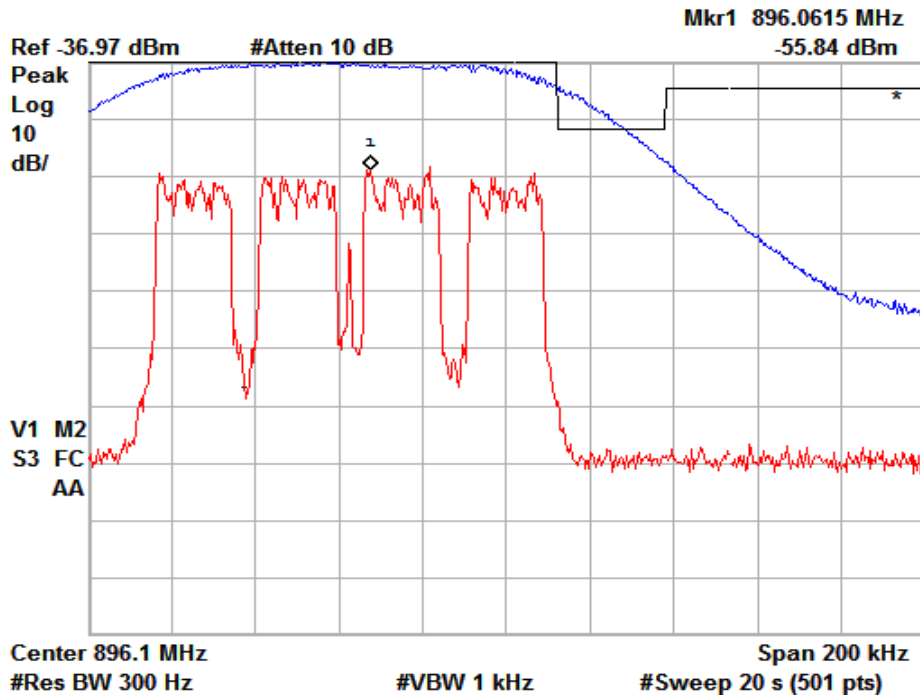


Figure 6a-2.11.2. WiDEN100 900 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

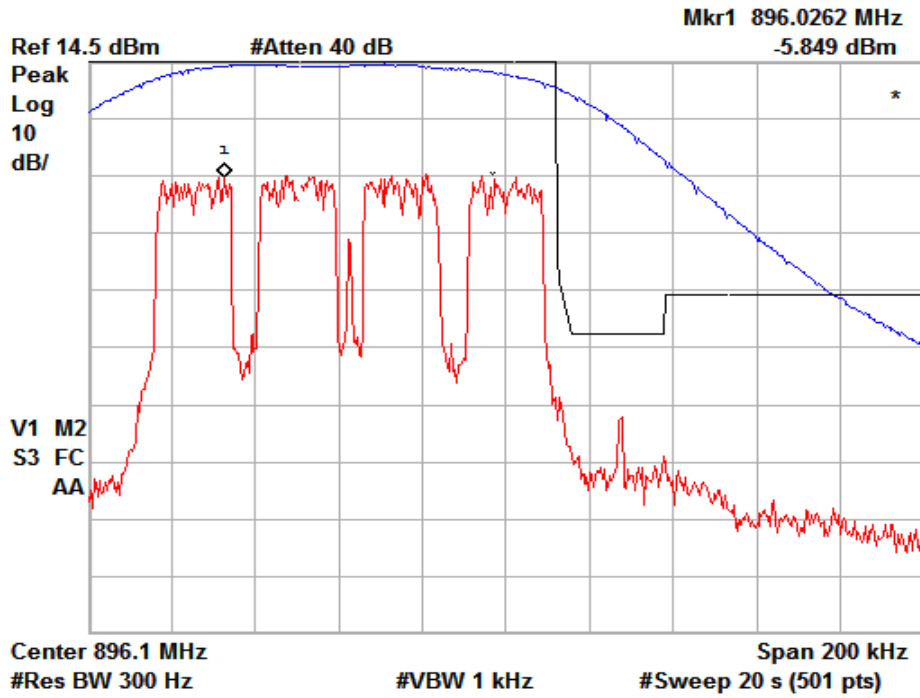


Figure 6a-2.11.3. WiDEN100 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

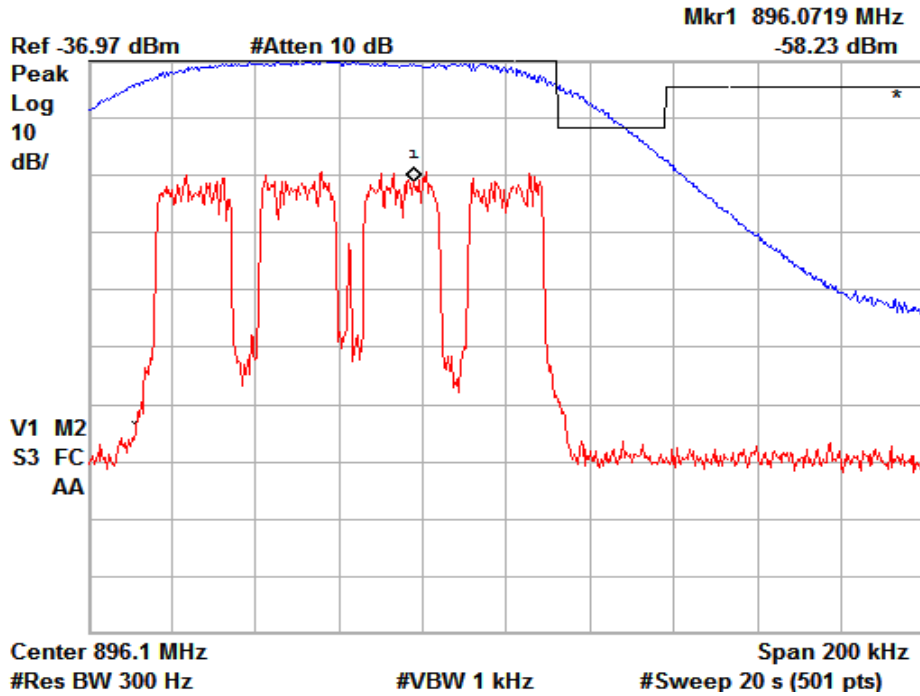


Figure 6a-2.11.4. WiDEN100 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

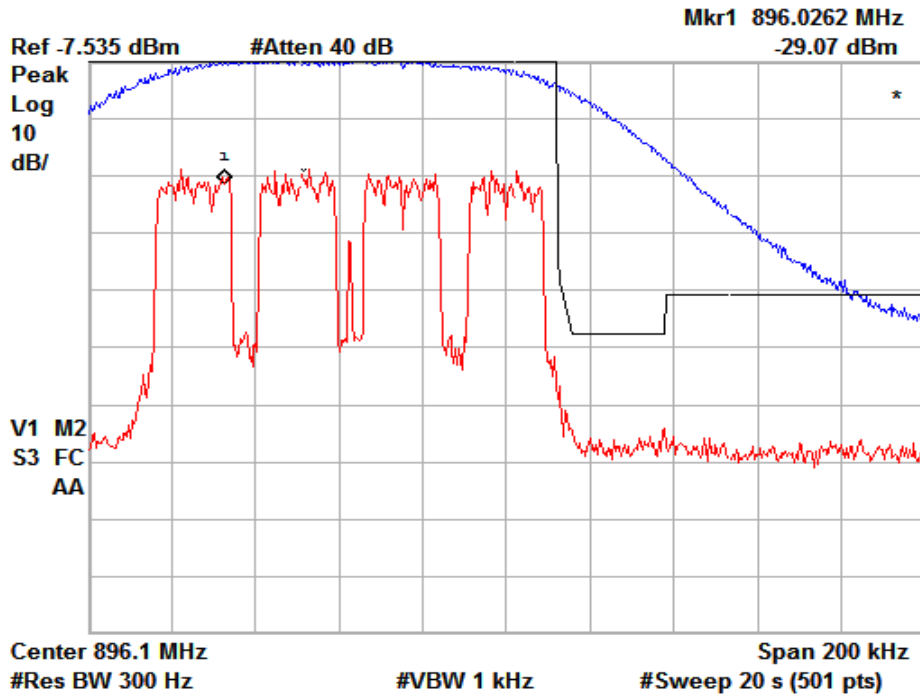


Figure 6a-2.11.5. WiDEN100 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

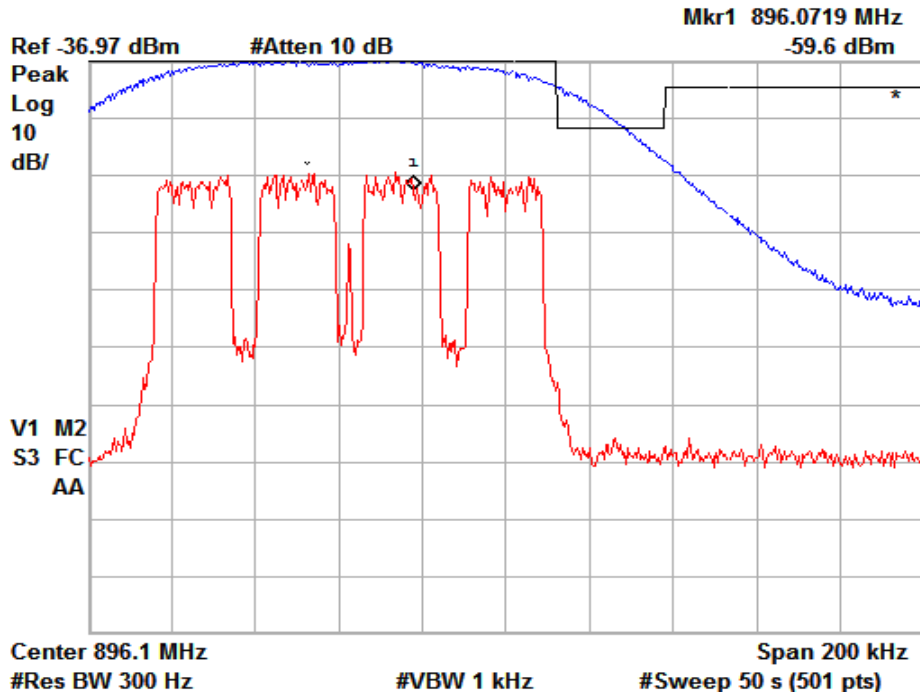


Figure 6a-2.11.6. WiDEN100 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

### 6a.2.12 Emission Designator 93K3D7D - WiDEN50\_Split 900 MHz Band

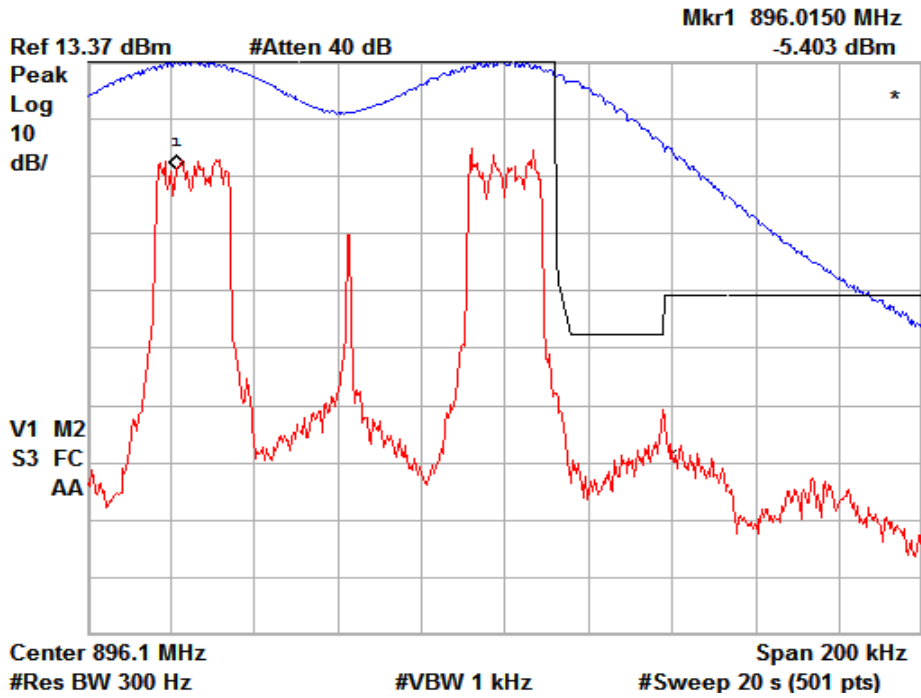


Figure 6a-2.12.1. WiDEN50 Split 900 MHz Band, Quad-QPSK, Maximum Power, EA Emission Mask

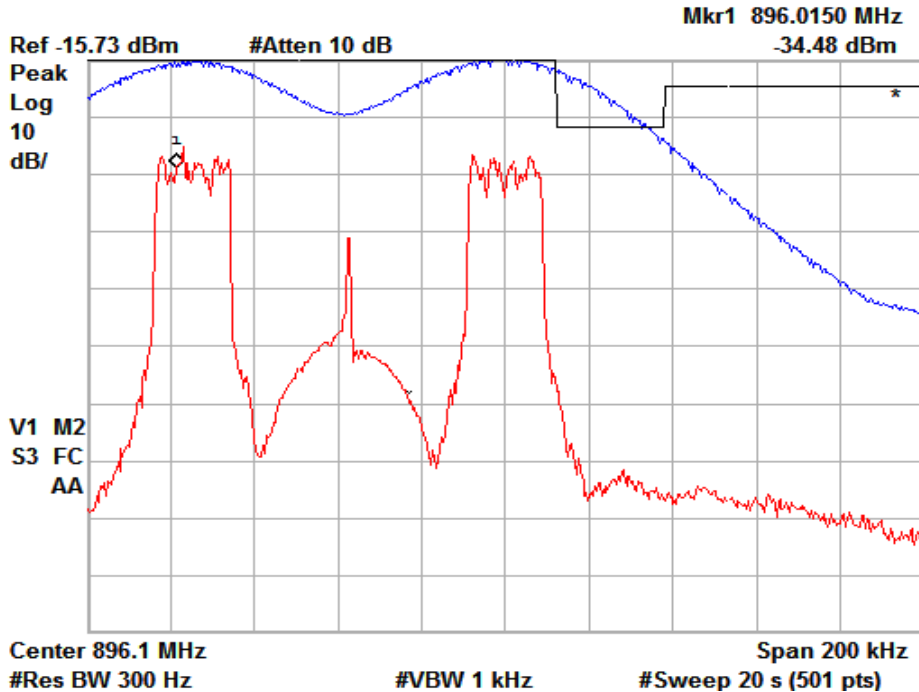


Figure 6a-2.12.2. WiDEN50 Split 900 MHz Band, Quad-QPSK, Minimum Power, EA Emission Mask

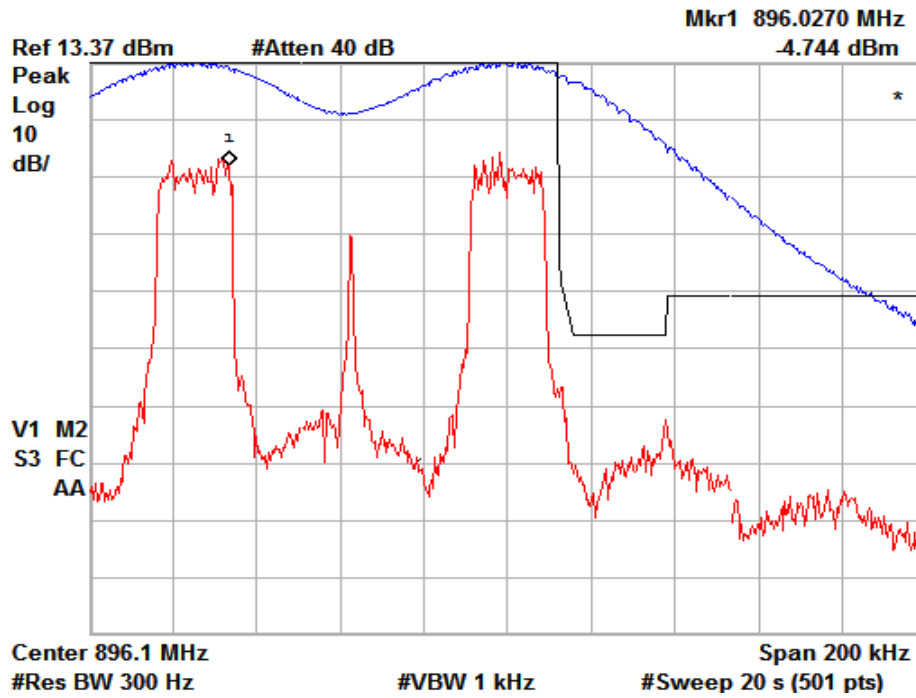


Figure 6a-2.12.3. WiDEN50 Split 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

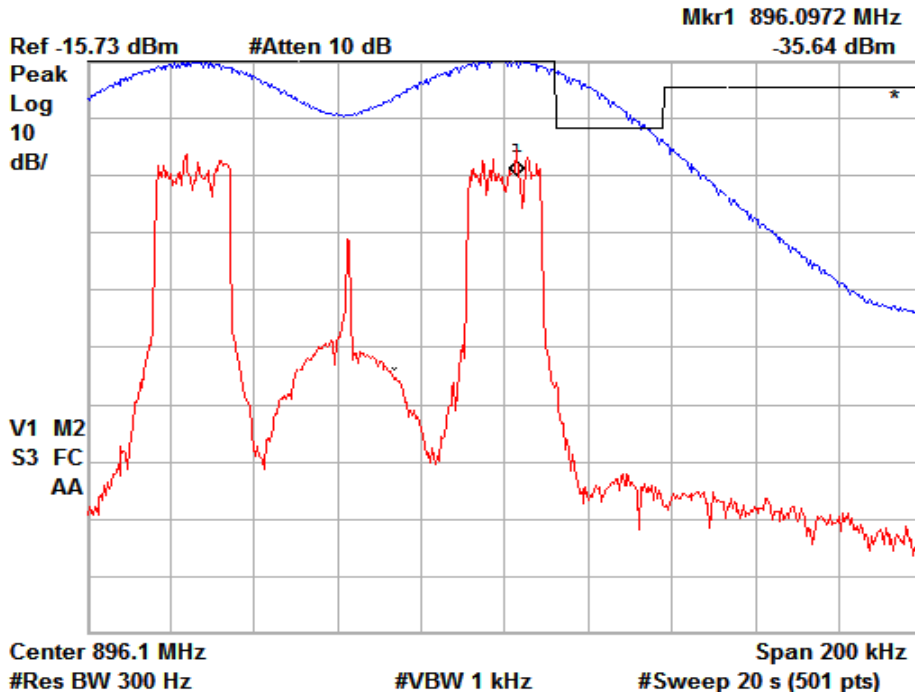


Figure 6a-2.12.4. WiDEN50 Split 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

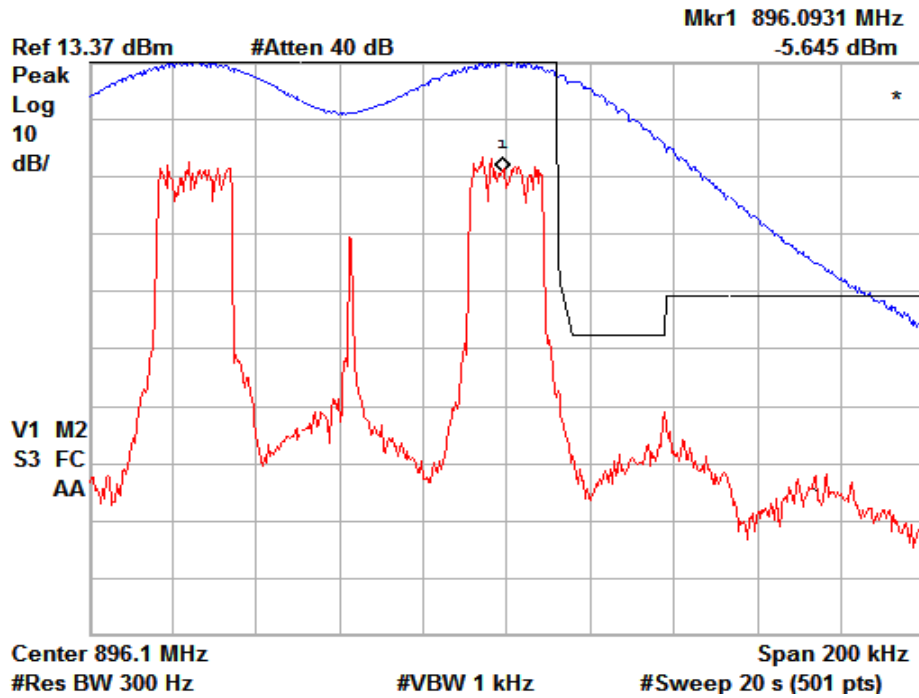


Figure 6a-2.12.5. WiDEN50 Split 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

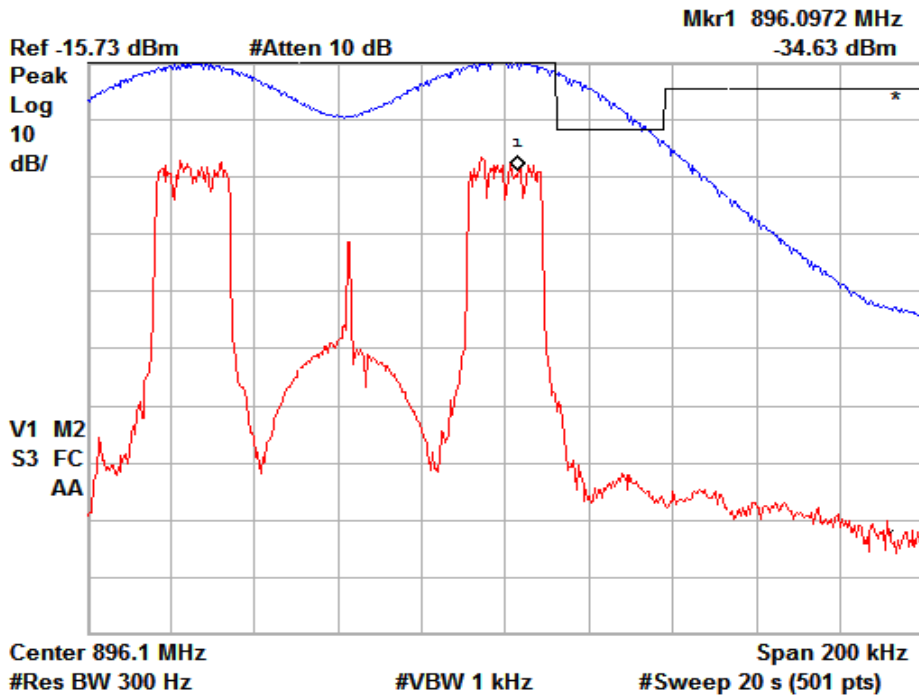
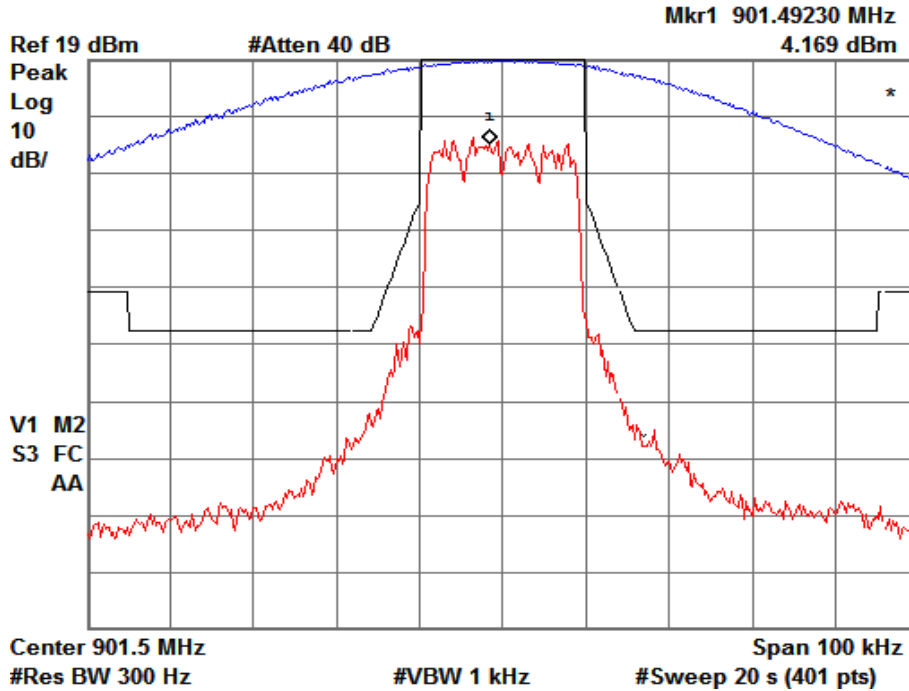


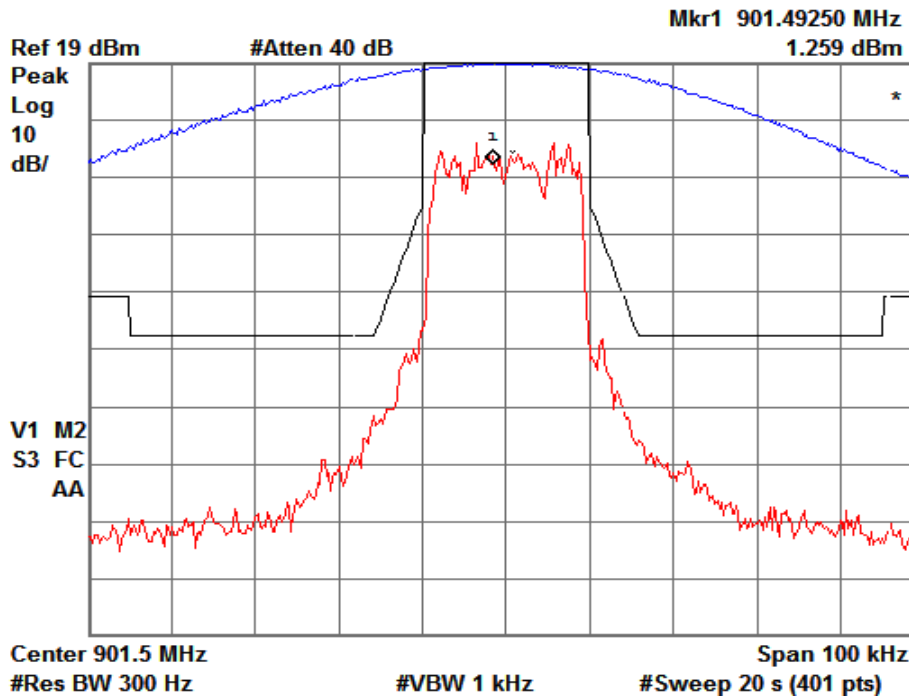
Figure 6a-2.12.6. WiDEN50 Split 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

**6b.2. Modulation Characteristics and Necessary Bandwidth -- Pursuant 47 CFR 2.1033(c)(13), §2.1047(d), §2.1049, §2.202, §24.131, and §24.133(a)(1).**

**6b.2.1 Emission Designator 18K3D7W - NBPCS iDEN Measured data**



**Figure 6b.2.1.1 iDEN NBPCS Band, QPSK; Occupied Bandwidth.**



**Figure 6b.2.1.2. iDEN NBPCS Band, Quad-16QAM; Occupied Bandwidth**

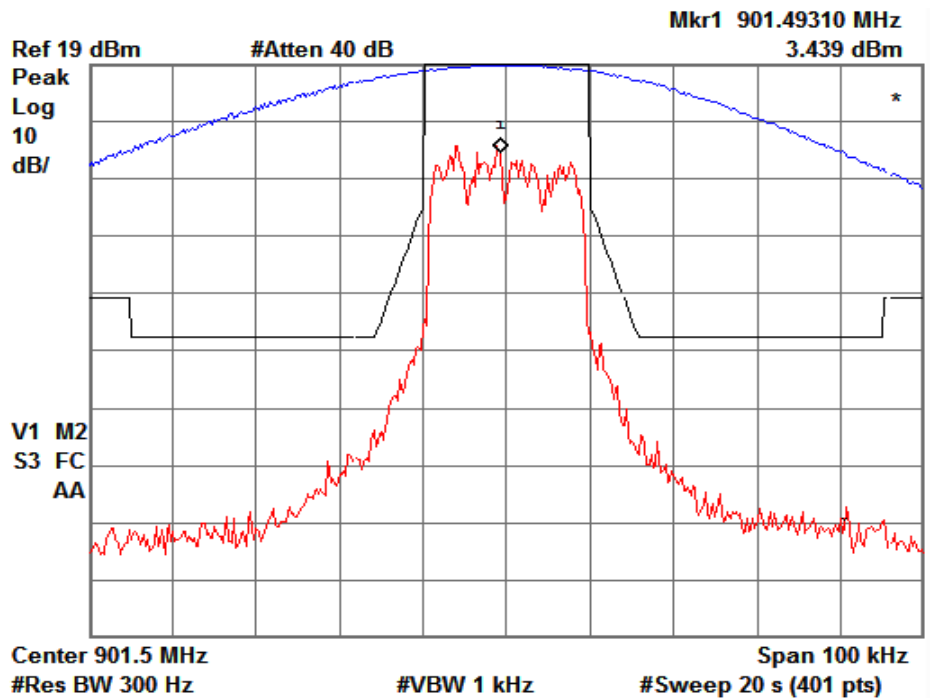


Figure 6b.2.1.3. iDEN NBPCS Band, Quad- 64QAM; Occupied Bandwidth

### 6b.2.2 Emission Designator 18K3D7W - NBPCS WiDEN25 Measured data

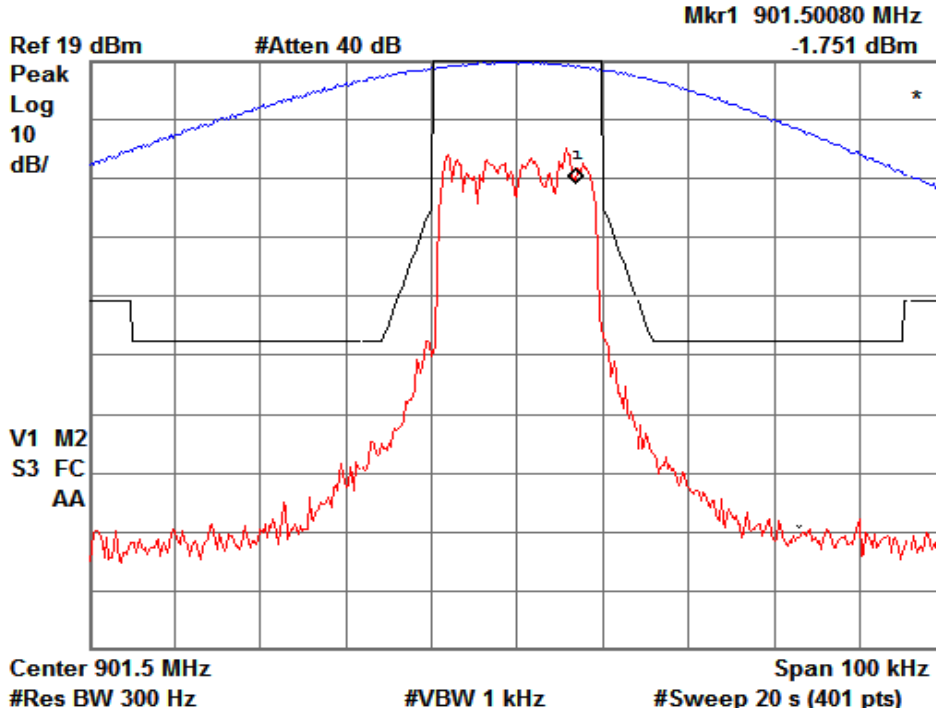


Figure 6b.2.2.1. WiDEN 25 NBPCS Band, QPSK, Occupied Bandwidth

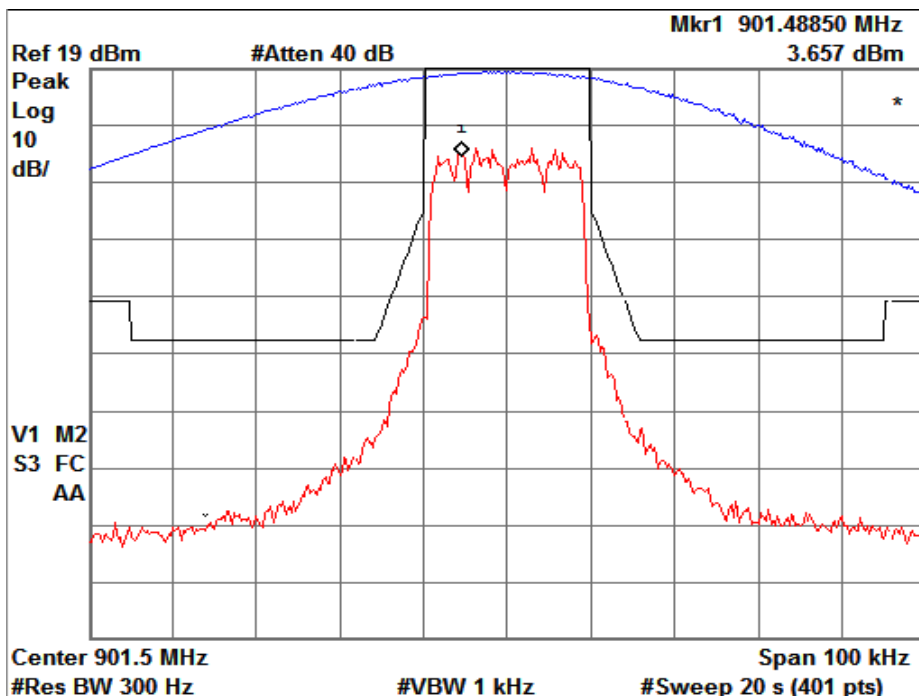


Figure 6b.2.2.2. WiDEN 25 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

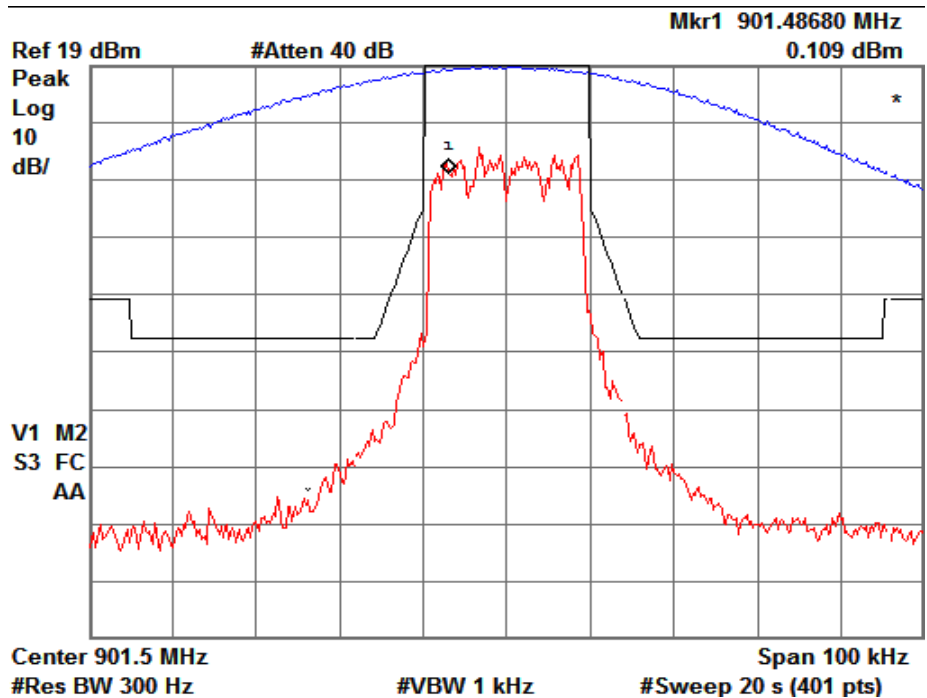


Figure 6b.2.2.3. WiDEN 25 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

### 6a.2.3 Emission Designator 43K3D7D - WiDEN50 800 MHz Band

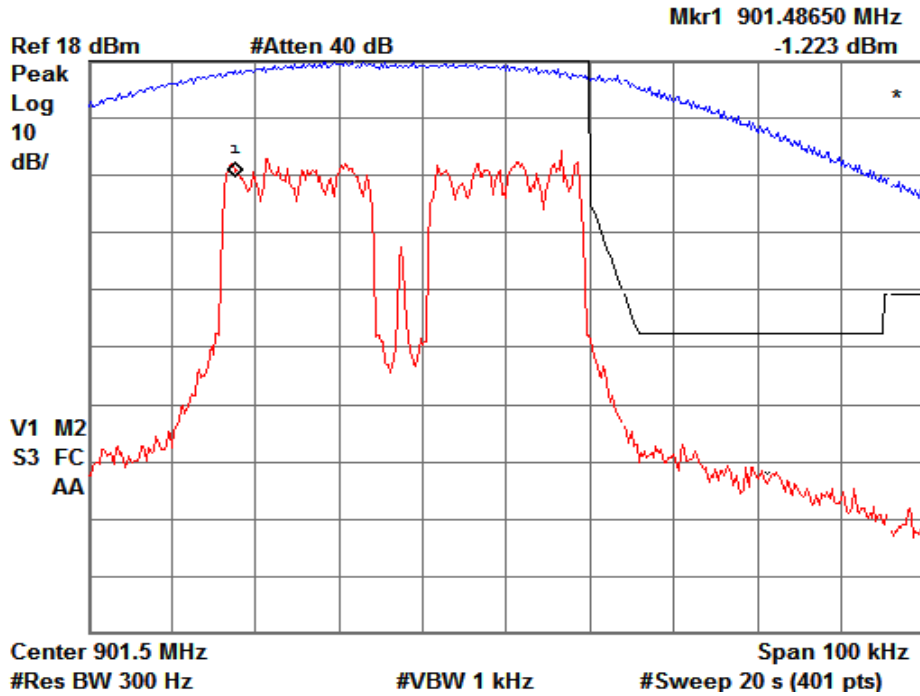


Figure 6b.2.3.1. WiDEN 50 NBPCS Band, QPSK; Occupied Bandwidth

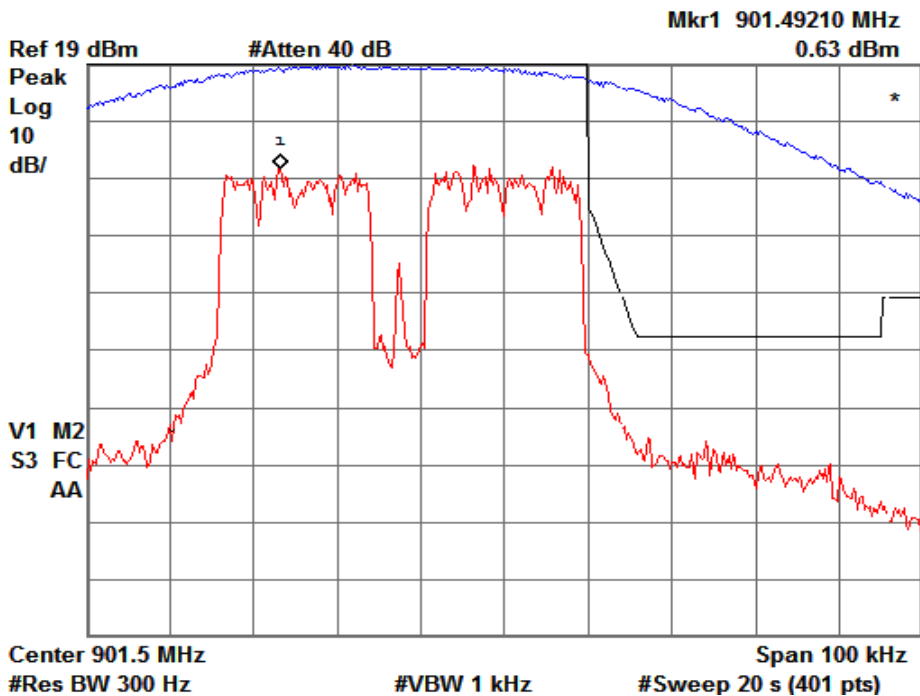


Figure 6b.2.3.2. WiDEN 50 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

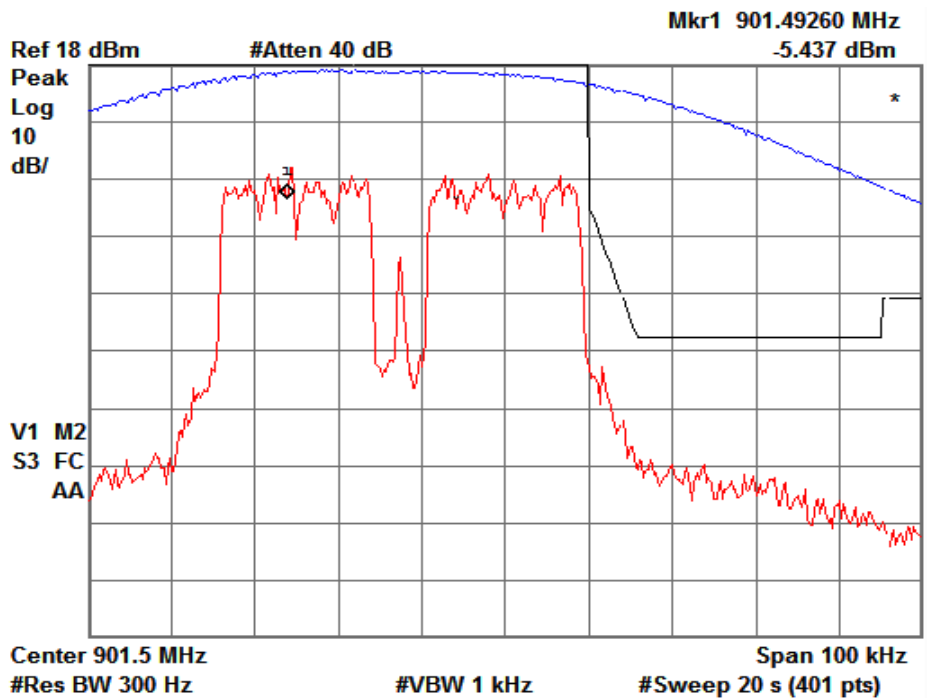


Figure 6b.2.3.3. WiDEN 50 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

### 6a.2.4 Emission Designator 68K3D7D - WiDEN75 NBPCS Band

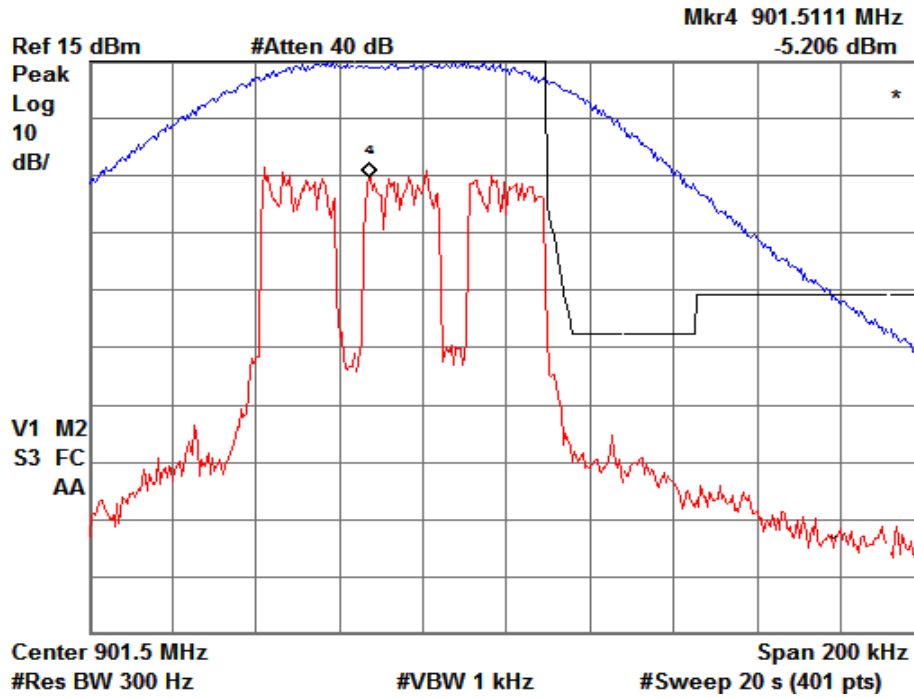


Figure 6b.2.4.1. WiDEN 75 NBPCS MHz Band, QPSK; Occupied Bandwidth

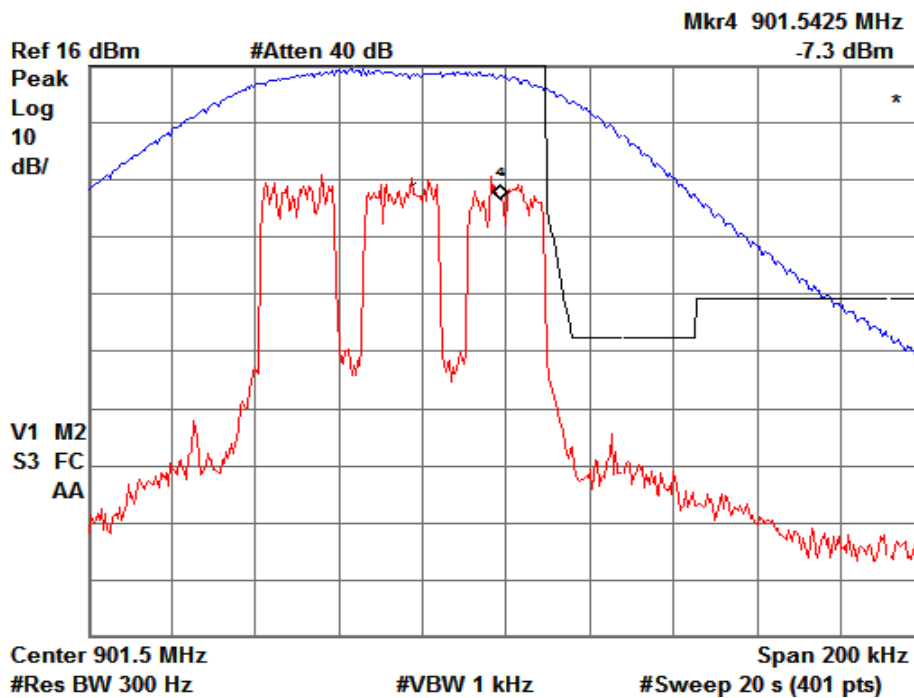


Figure 6b.2.4.2. WiDEN 75 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

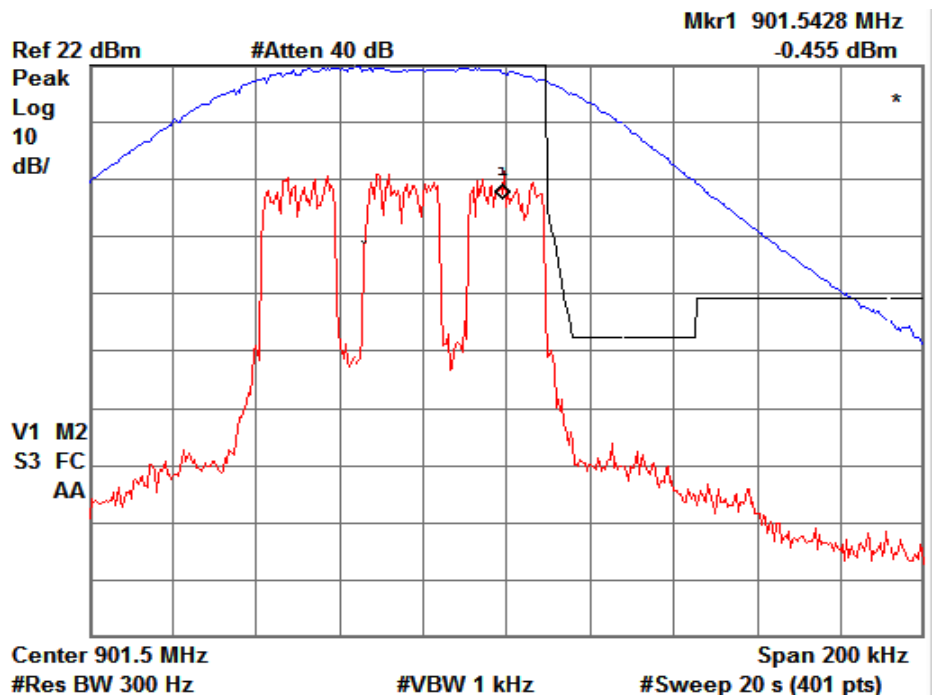


Figure 6b.2.4.3. WiDEN 75 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

### 6a.2.5 Emission Designator 93K3D7D - WiDEN100 800 MHz Band

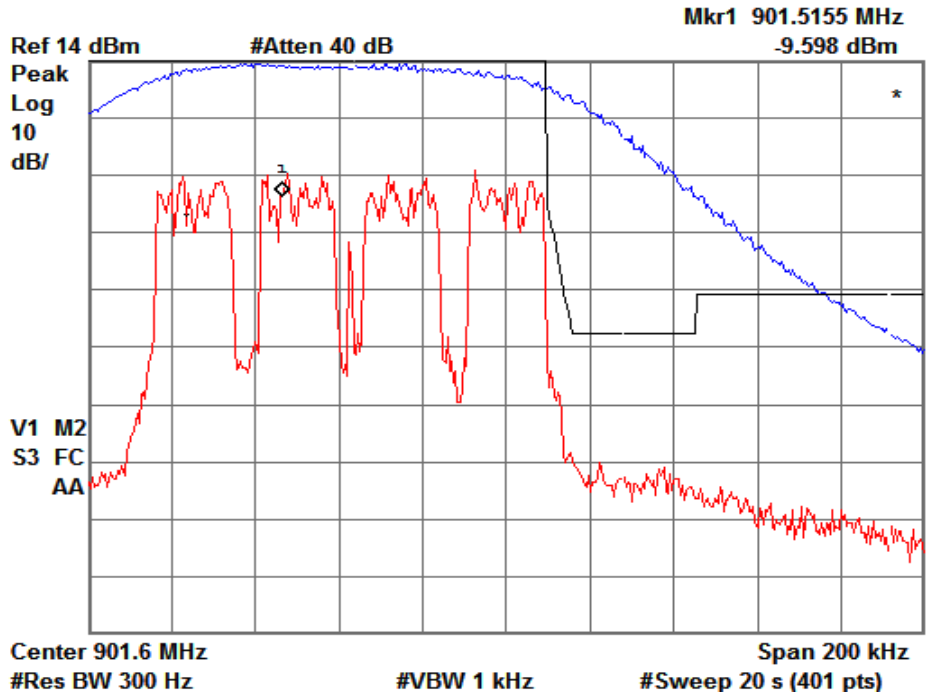


Figure 6b.2.5.1. WiDEN 100 NBPCS Band, QPSK; Occupied Bandwidth

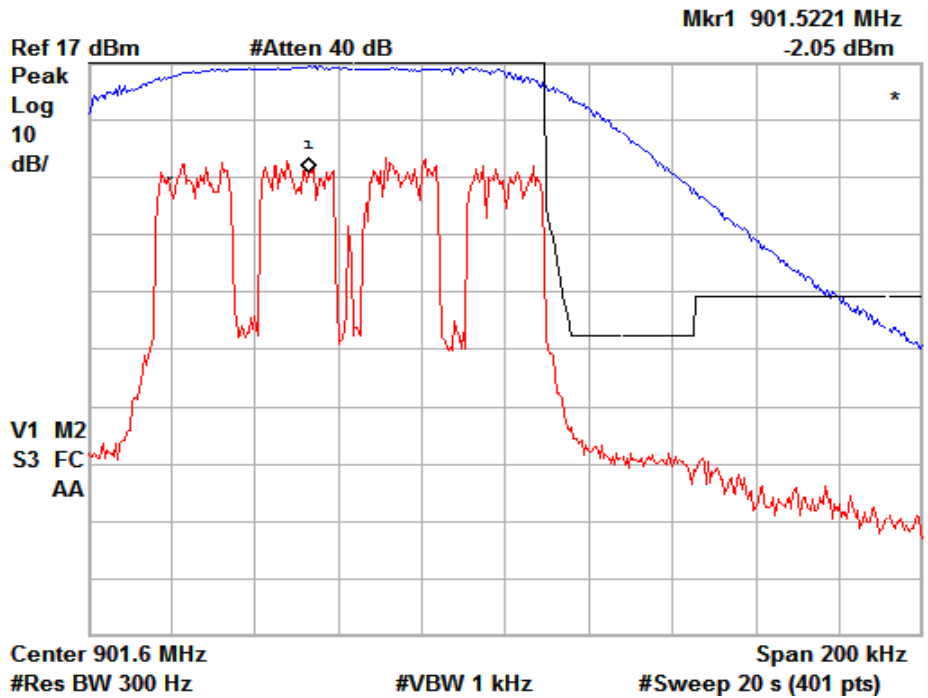


Figure 6b.2.5.2. WiDEN 100 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

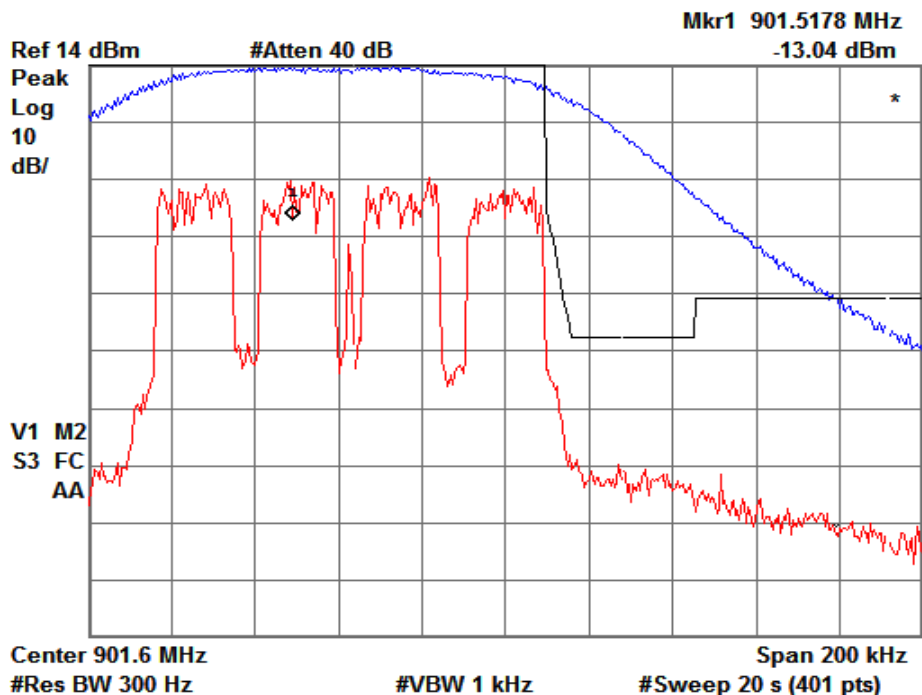


Figure 6b.2.5.3.15. WiDEN 100 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

### 6a.2.6 Emission Designator 93K3D7D - WiDEN50 Split NBPCS Band

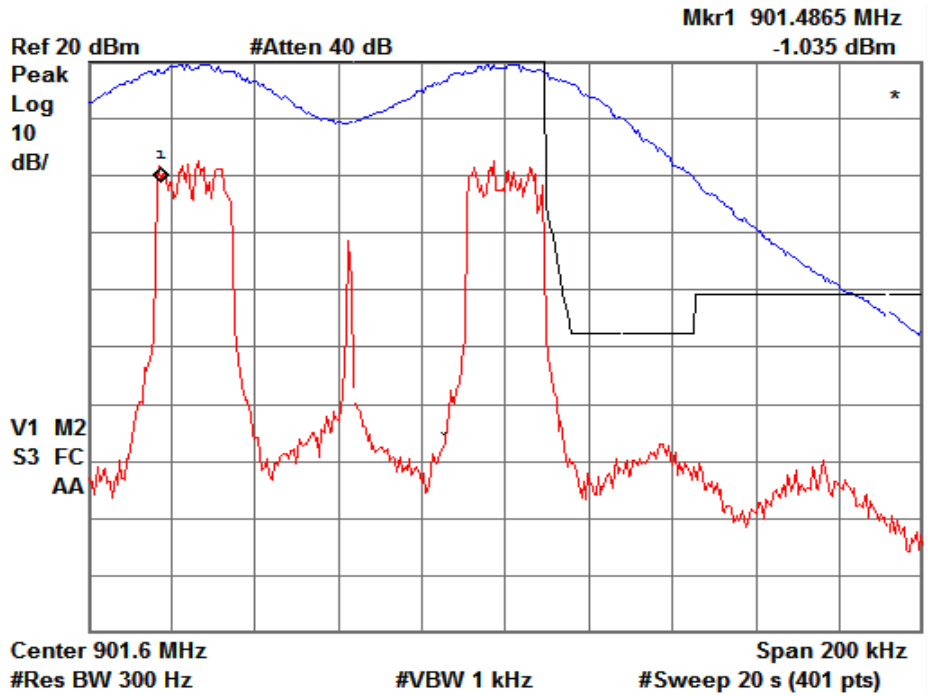


Figure 6b.2.6.1. WiDEN50 Split 900 MHz Band, QPSK; Occupied Bandwidth

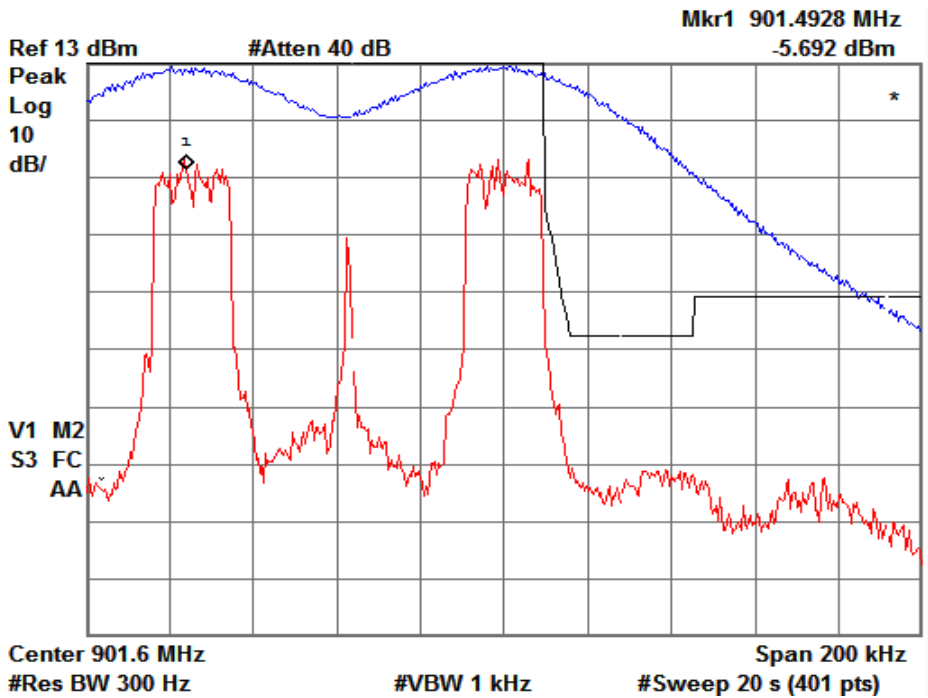


Figure 6b.2.6.2. WiDEN50 Split NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

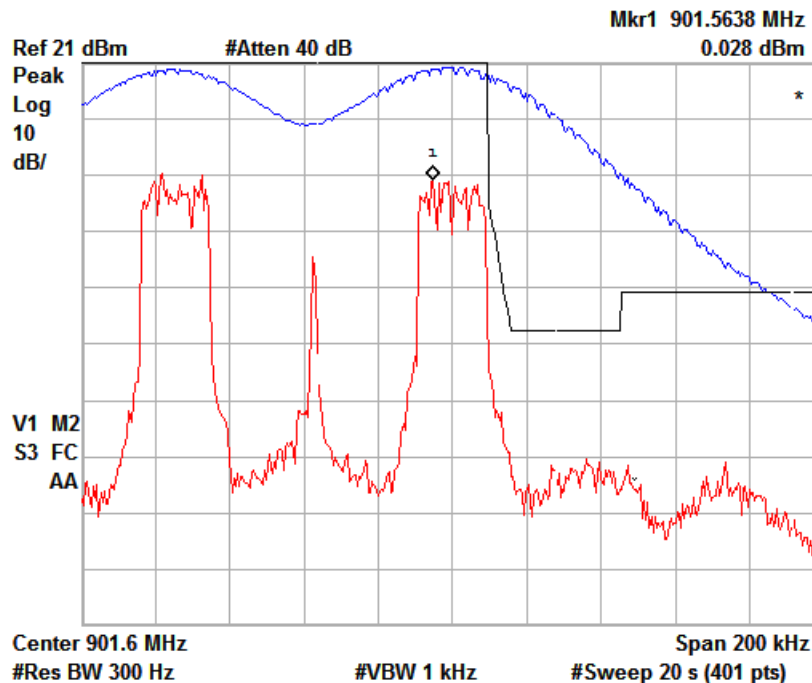


Figure 6b.2.6.3. WiDEN50 Split NBPCS Band, Quad- 64 QAM; Occupied Bandwidth