

6a.2. Modulation Characteristics and Necessary Bandwidth -- Pursuant 47 CFR 2.1033(c) 13, 2.1047(d) & 2.202

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

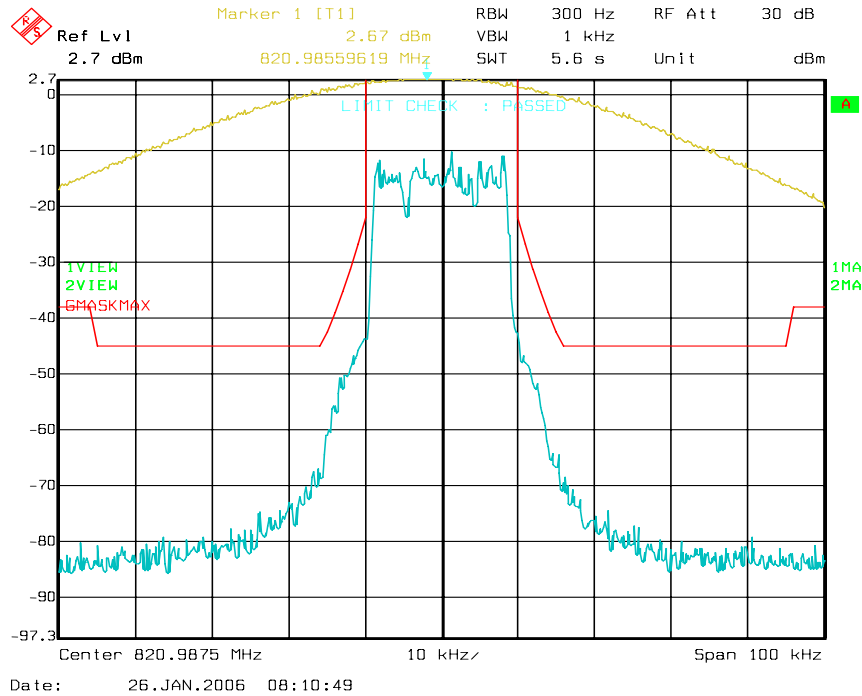


Figure 6a-2.1.1. iDEN 800 MHz Band, QPSK, Maximum Power, Emission Mask G

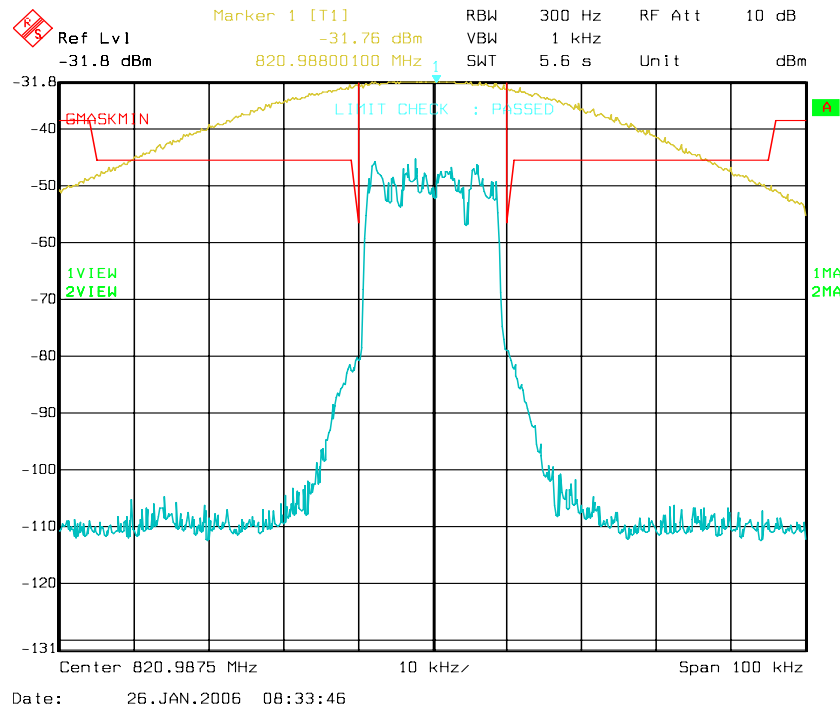


Figure 6a-2.1.2. iDEN 800 MHz Band, QPSK, Minimum Power, Emission Mask G

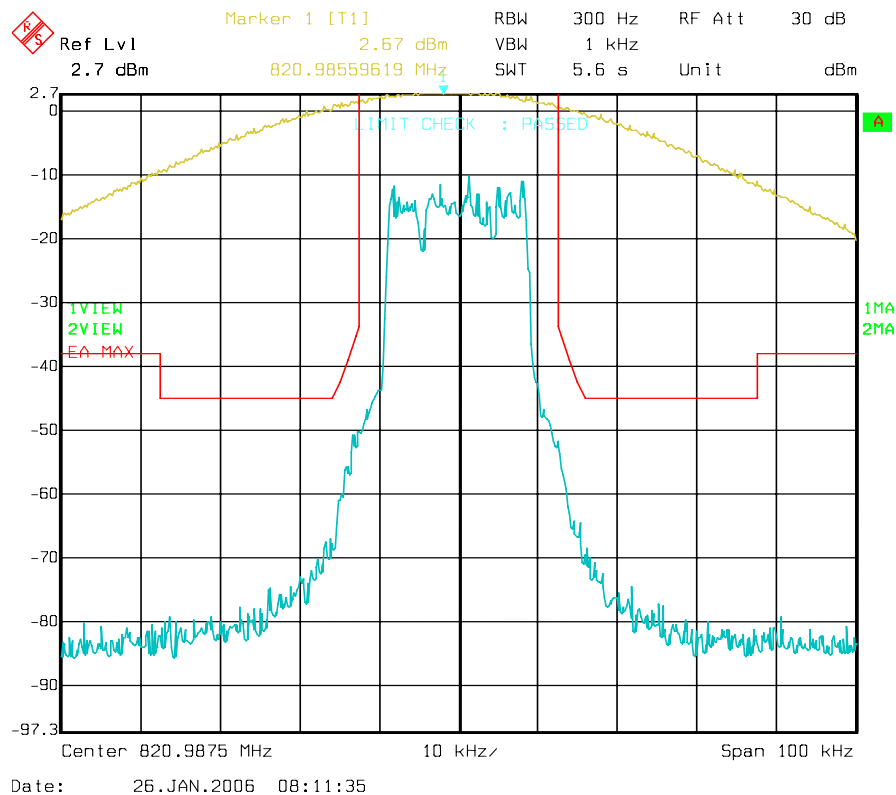


Figure 6a-2.1.3. iDEN 800 MHz Band, QPSK, Maximum Power, EA Emission Mask

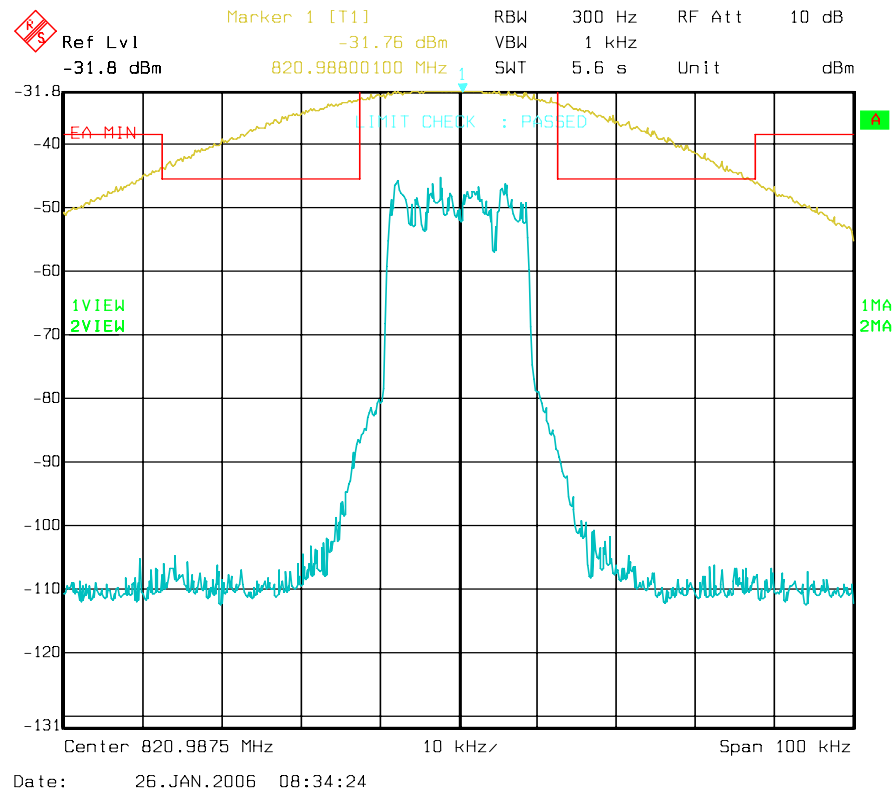


Figure 6a-2.1.4. iDEN 800 MHz Band, QPSK, Minimum Power, EA Emission Mask

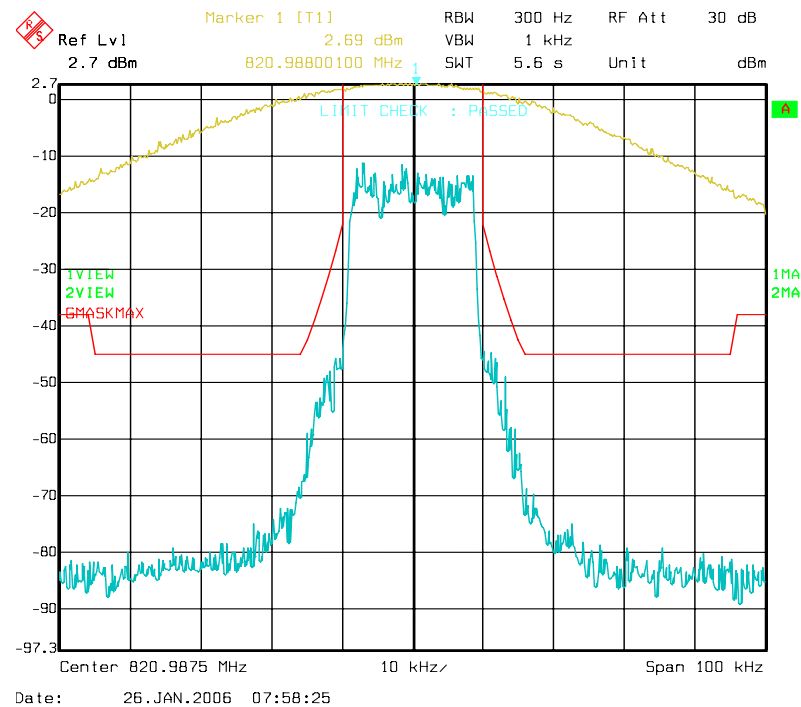


Figure 6a-2.1.5. iDEN 800 MHz Band, QAM16, Maximum Power, Emission Mask G

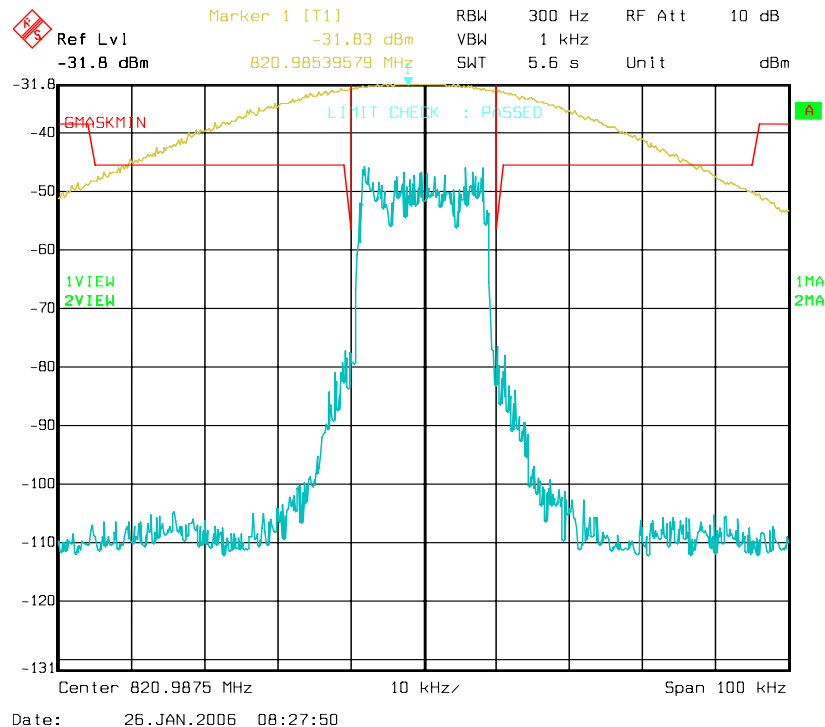


Figure 6a-2.1.6. iDEN 800 MHz Band, QAM16, Minimum Power, Emission Mask G

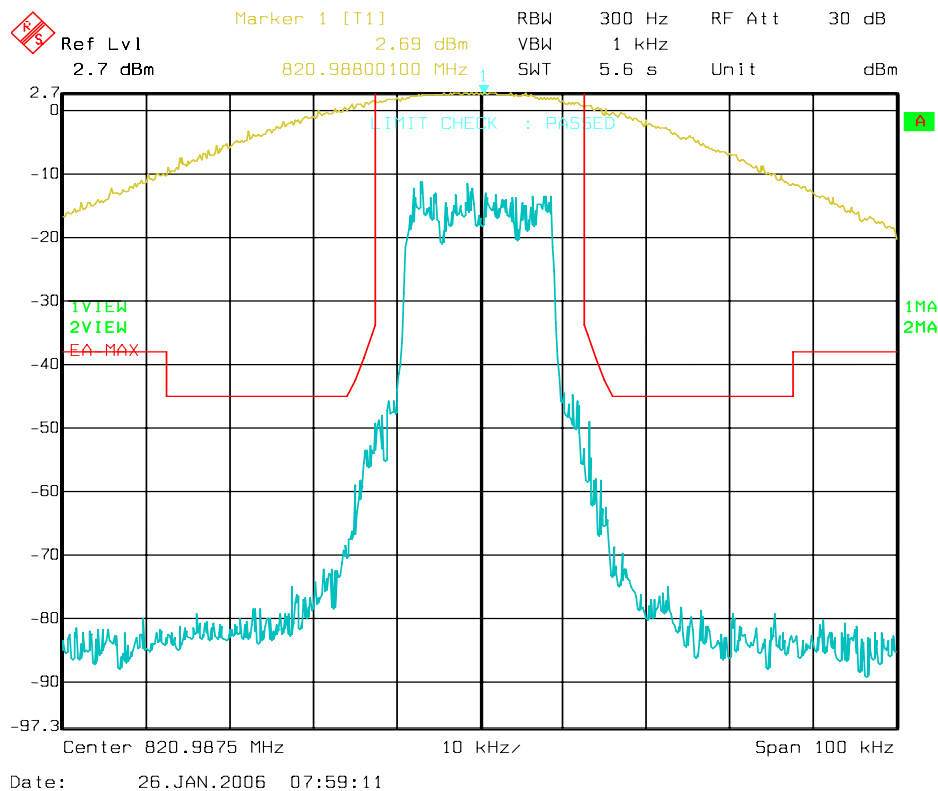


Figure 6a-2.1.7. iDEN 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

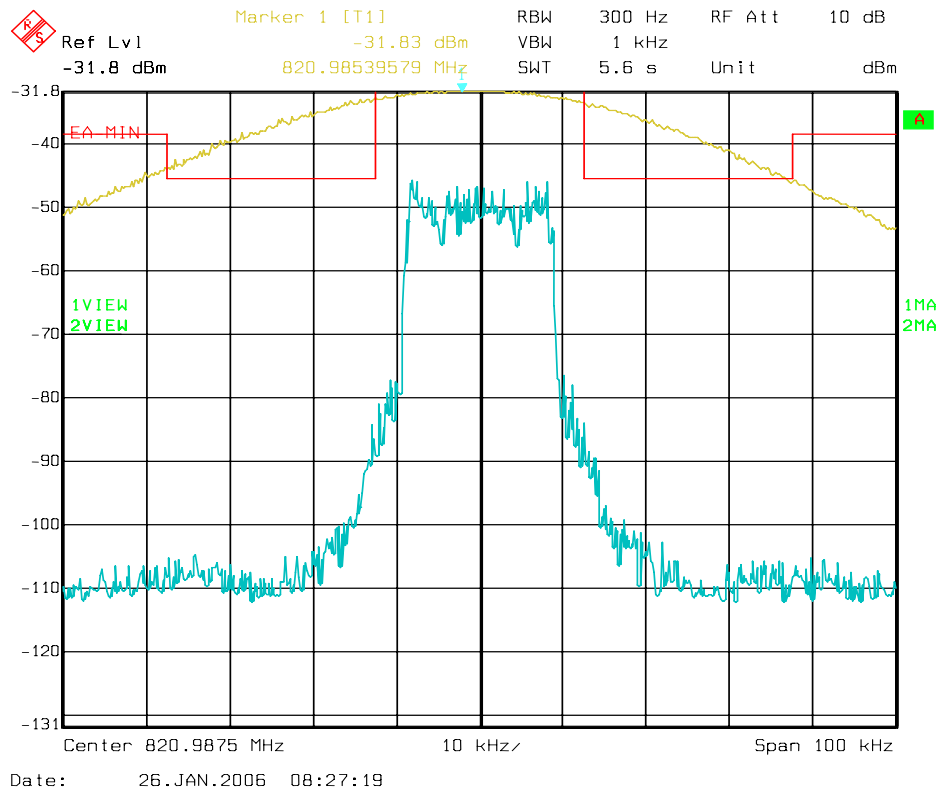


Figure 6a-2.1.8. iDEN 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

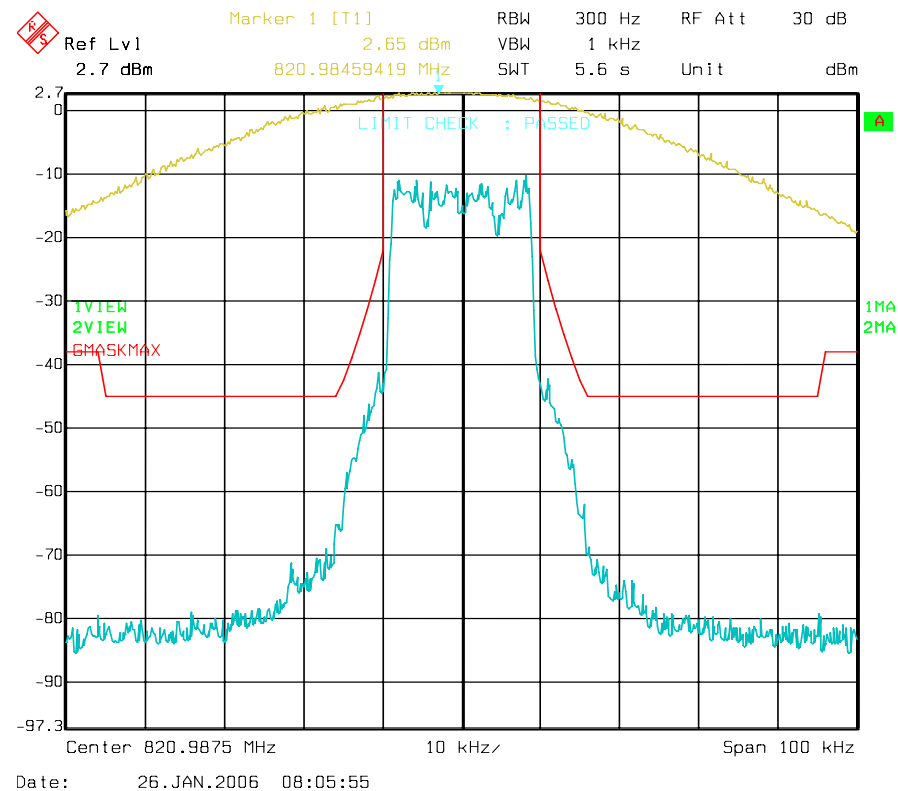


Figure 6a-2.1.9. iDEN 800 MHz Band, QAM64, Maximum Power, Emission Mask G

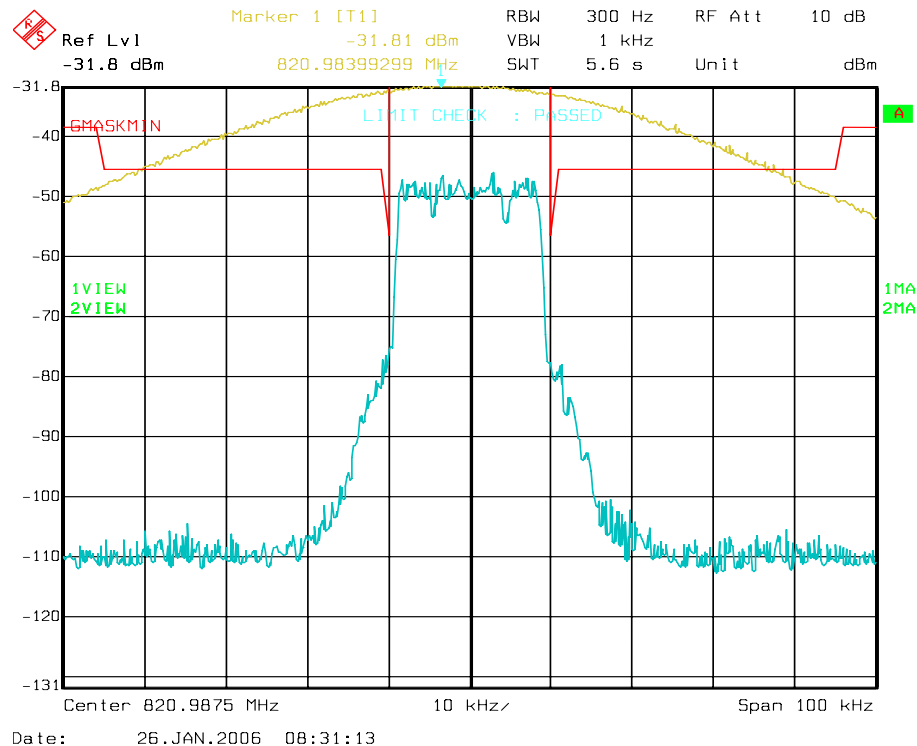


Figure 6a-2.1.10. iDEN 800 MHz Band, QAM64, Minimum Power, Emission Mask G



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

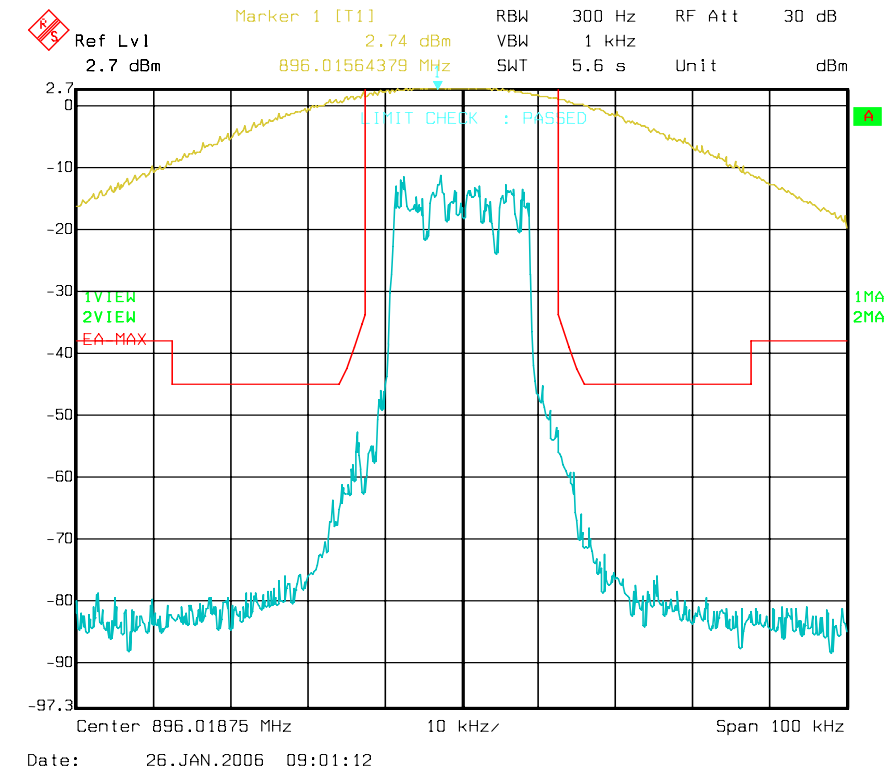


Figure 6a-2.2.1. iDEN 900 MHz Band, QPSK, Maximum Power, EA Emission Mask

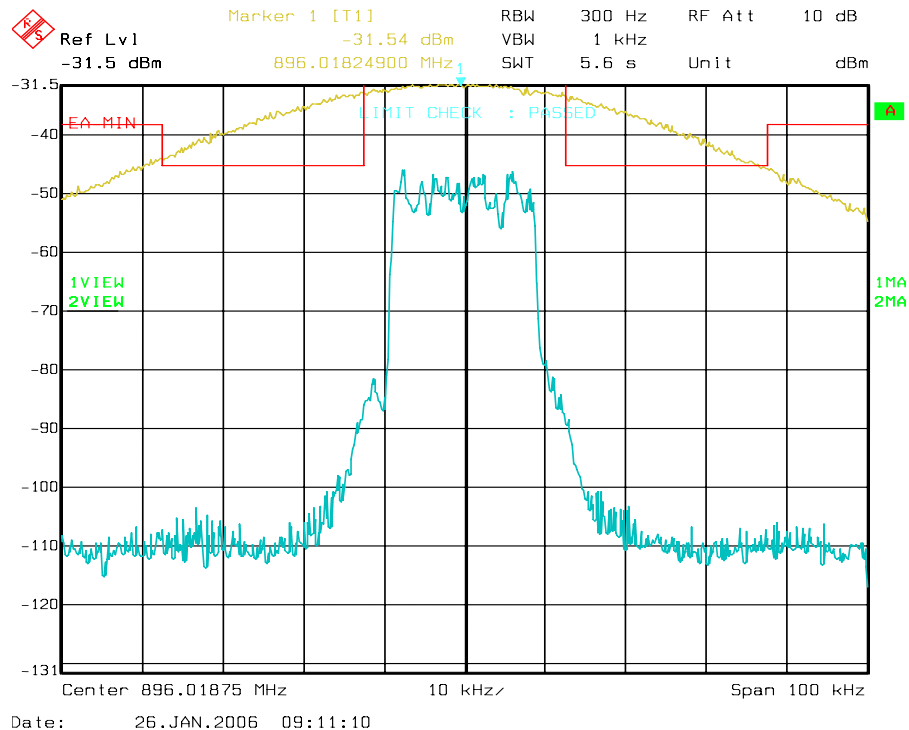


Figure 6a-2.2.2. iDEN 900 MHz Band, QPSK, Minimum Power, EA Emission Mask

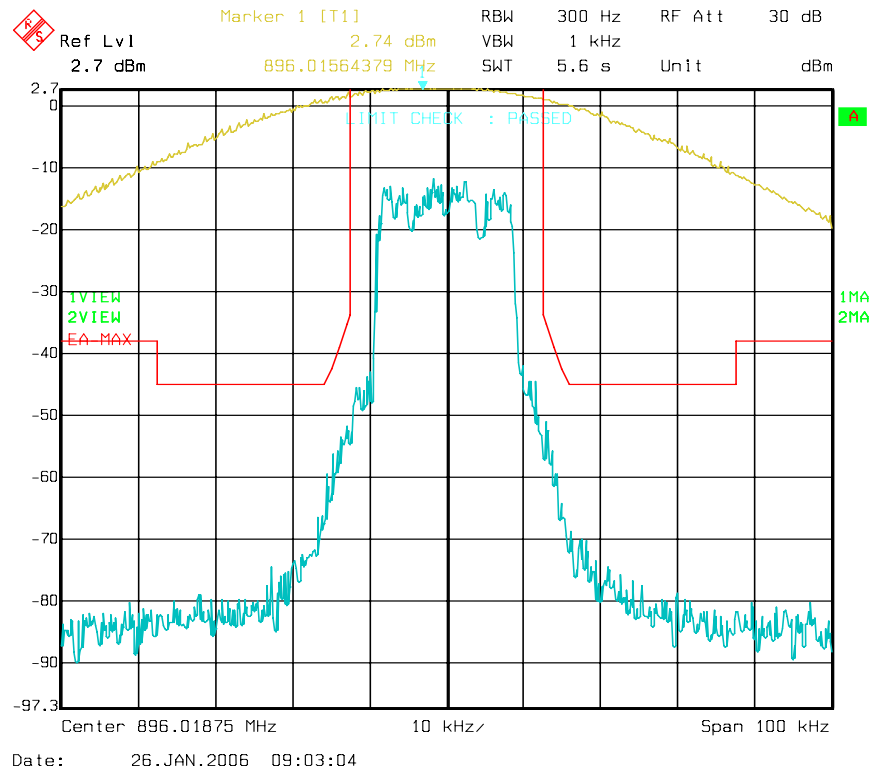


Figure 6a-2.2.3. iDEN 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

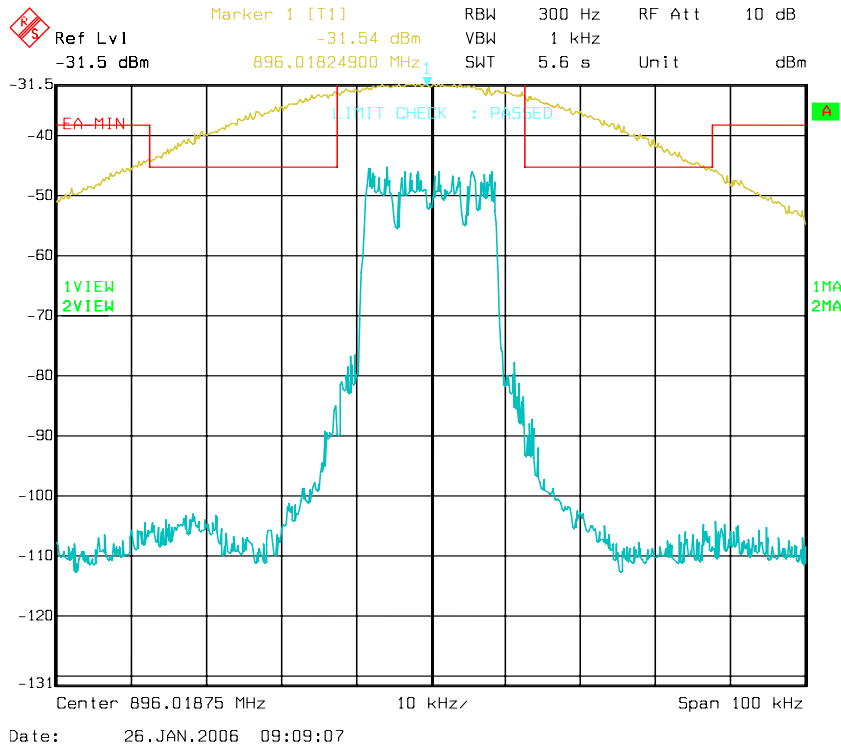


Figure 6a-2.2.4. iDEN 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

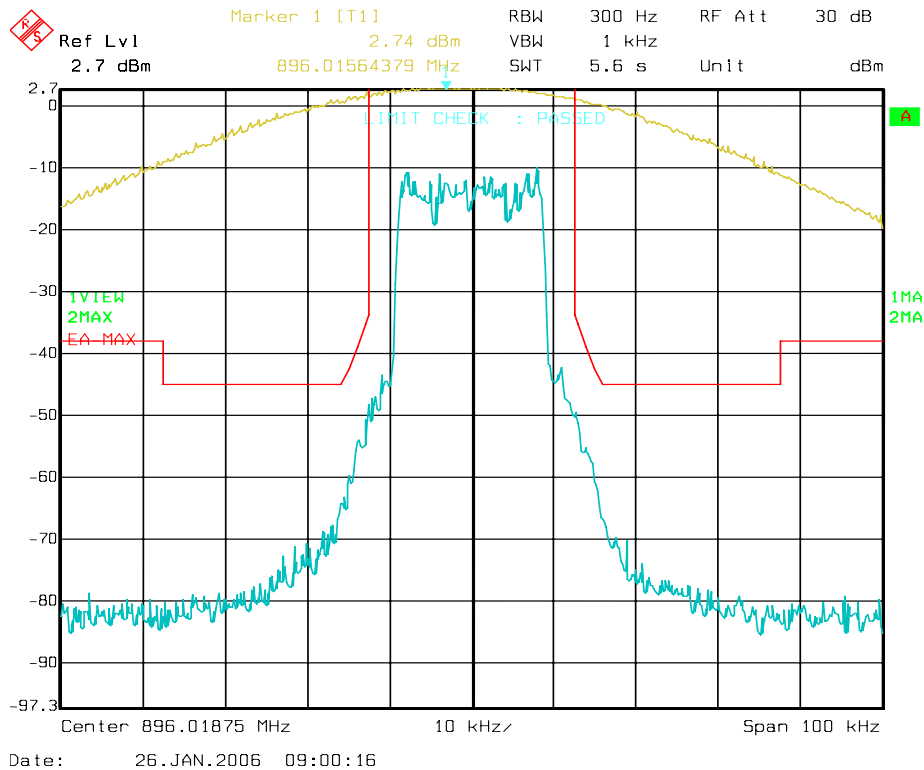


Figure 6a-2.2.5. iDEN 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

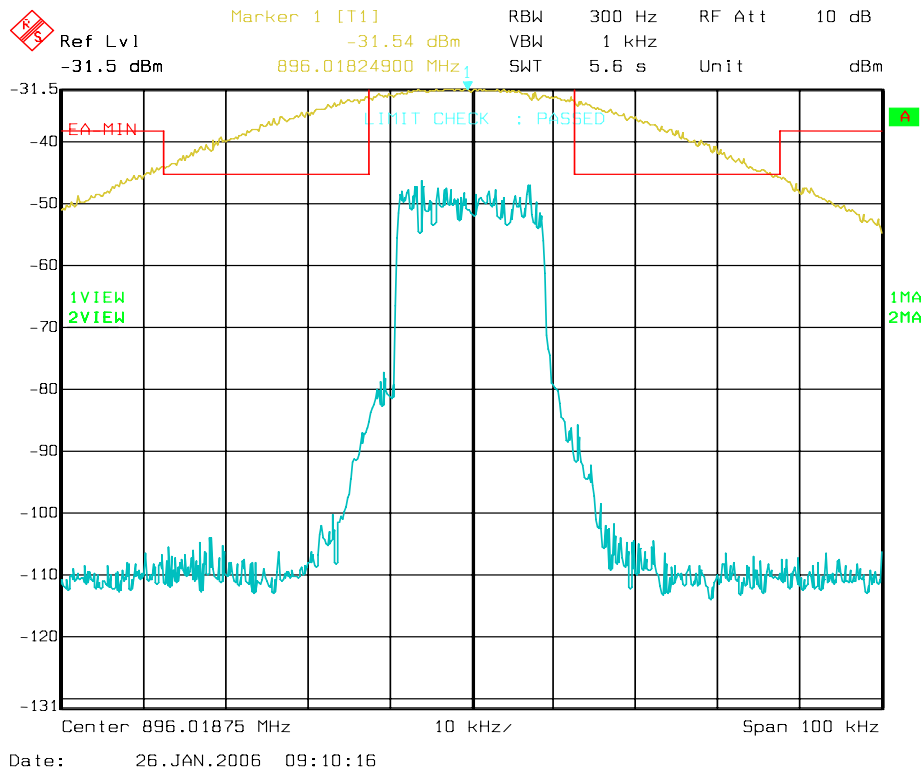


Figure 6a-2.2.6. iDEN 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

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

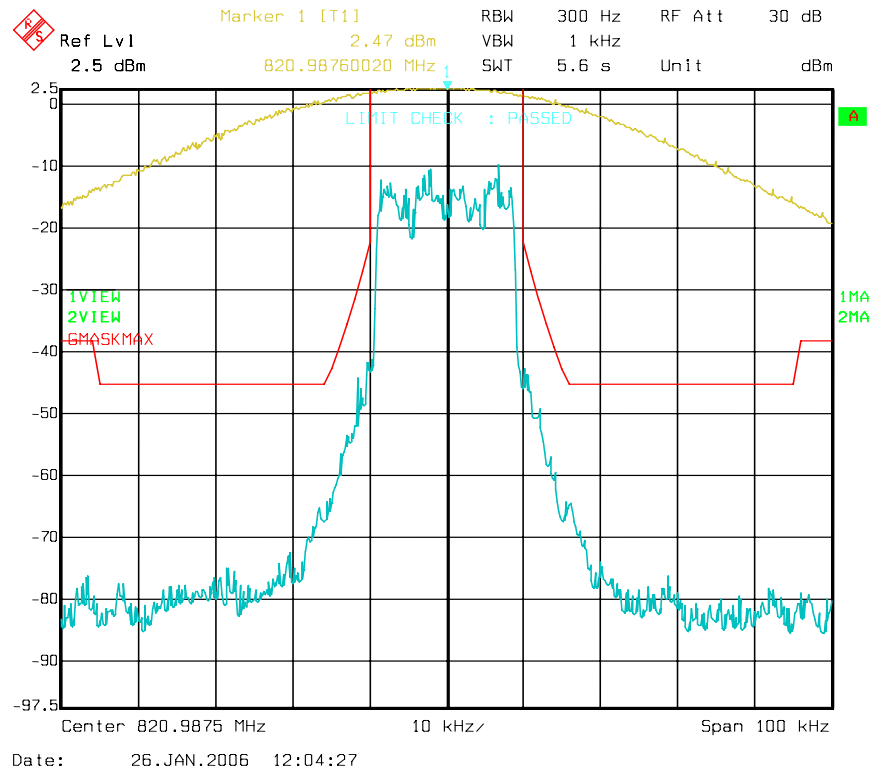


Figure 6a-2.3.1. WiDEN25 800 MHz Band, QPSK, Maximum Power, Emission Mask G

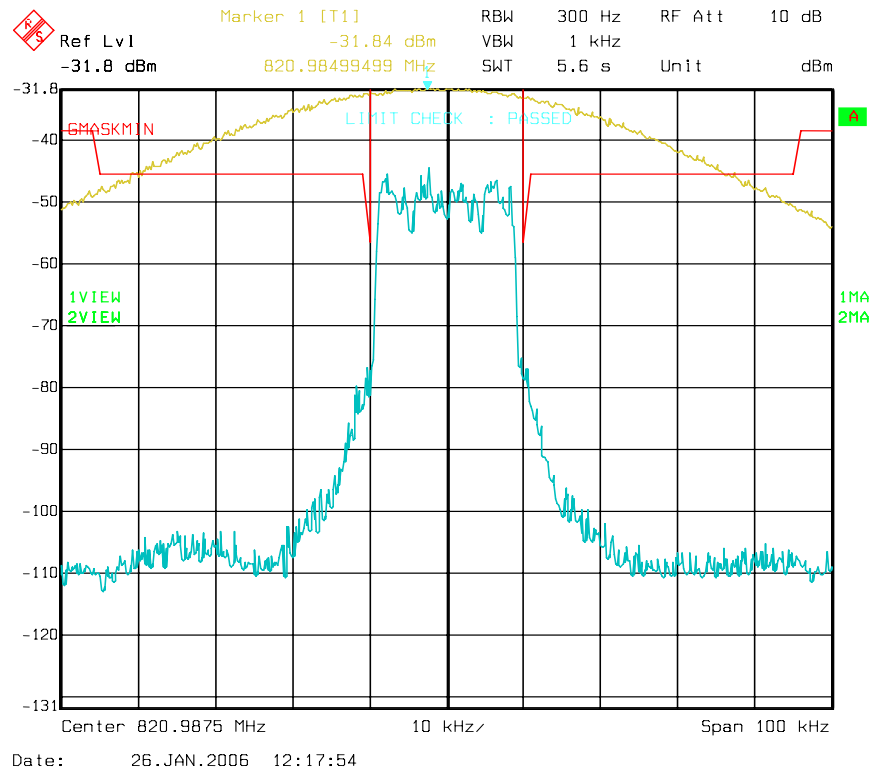


Figure 6a-2.3.2. WiDEN25 800 MHz Band, QPSK, Minimum Power, Emission Mask G

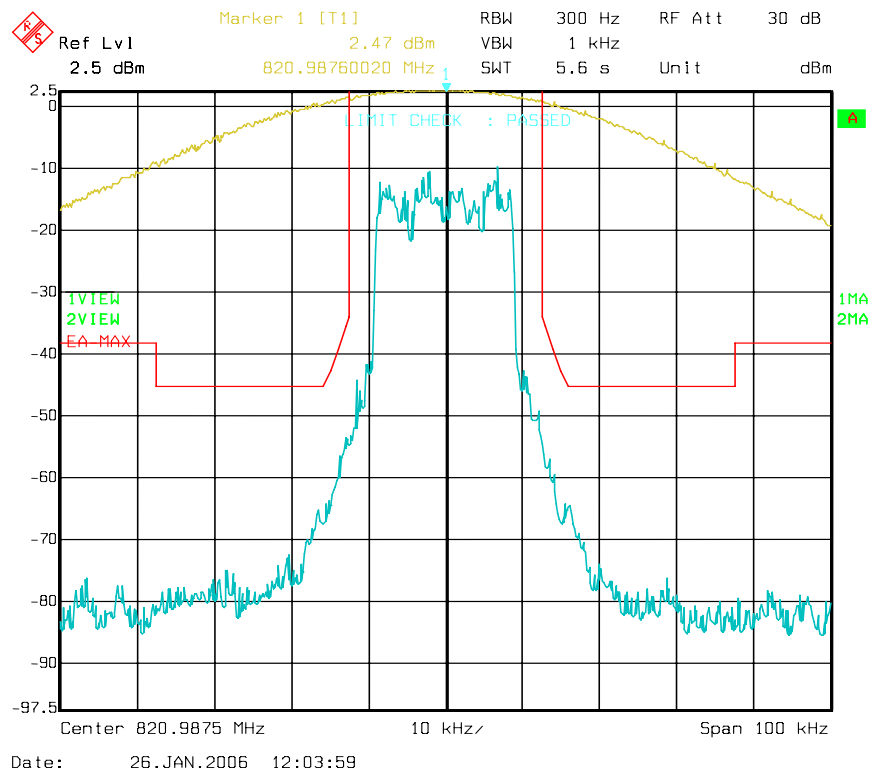


Figure 6a-2.3.3. WiDEN25 800 MHz Band, QPSK, Maximum Power, EA Emission Mask

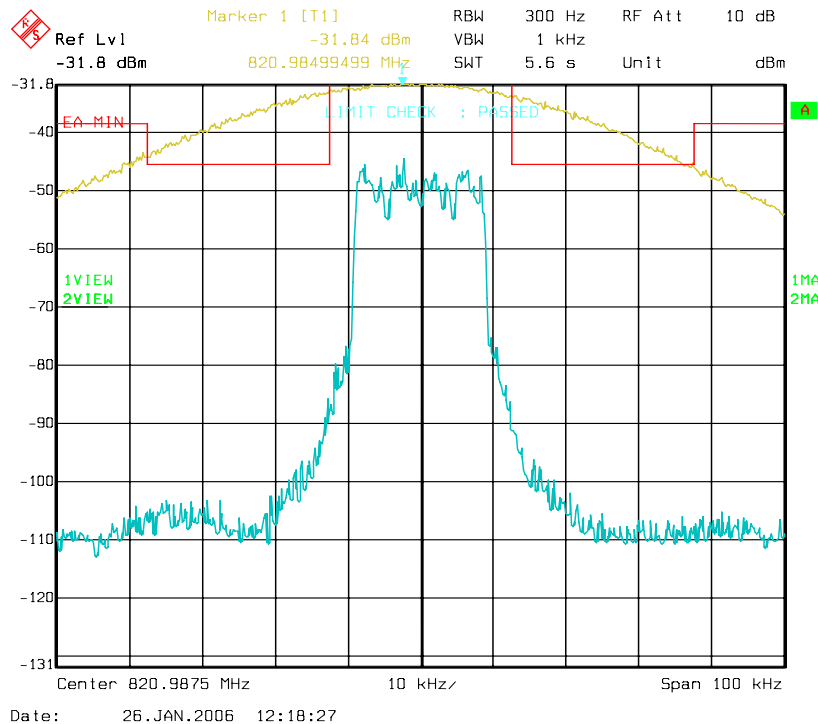


Figure 6a-2.3.4. WiDEN25 800 MHz Band, QPSK, Minimum Power, EA Emission Mask

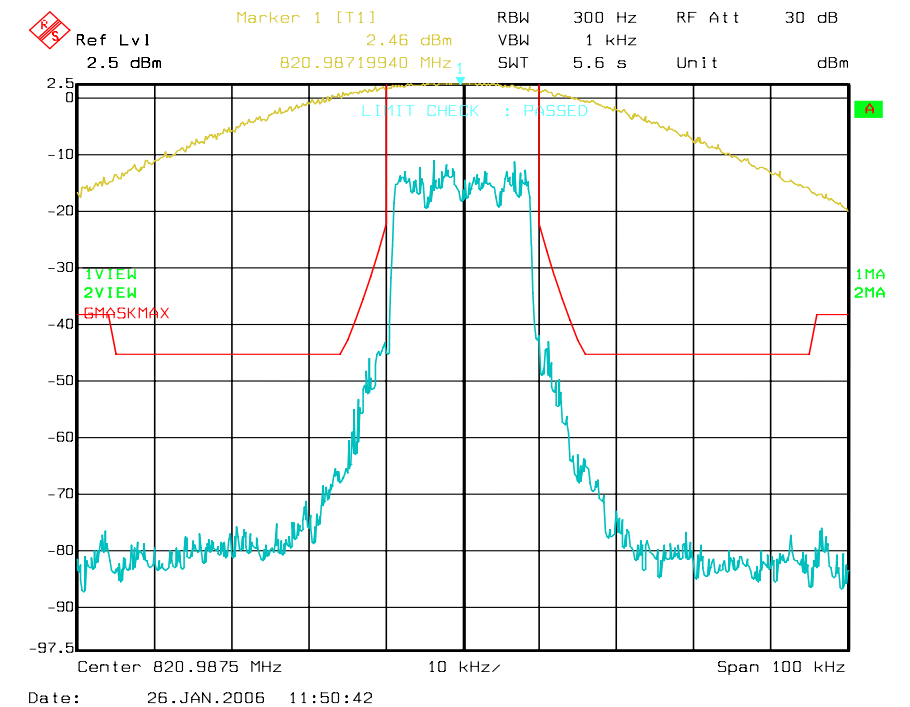


Figure 6a-2.3.5. WiDEN25 800 MHz Band, QAM16, Maximum Power, Emission Mask G

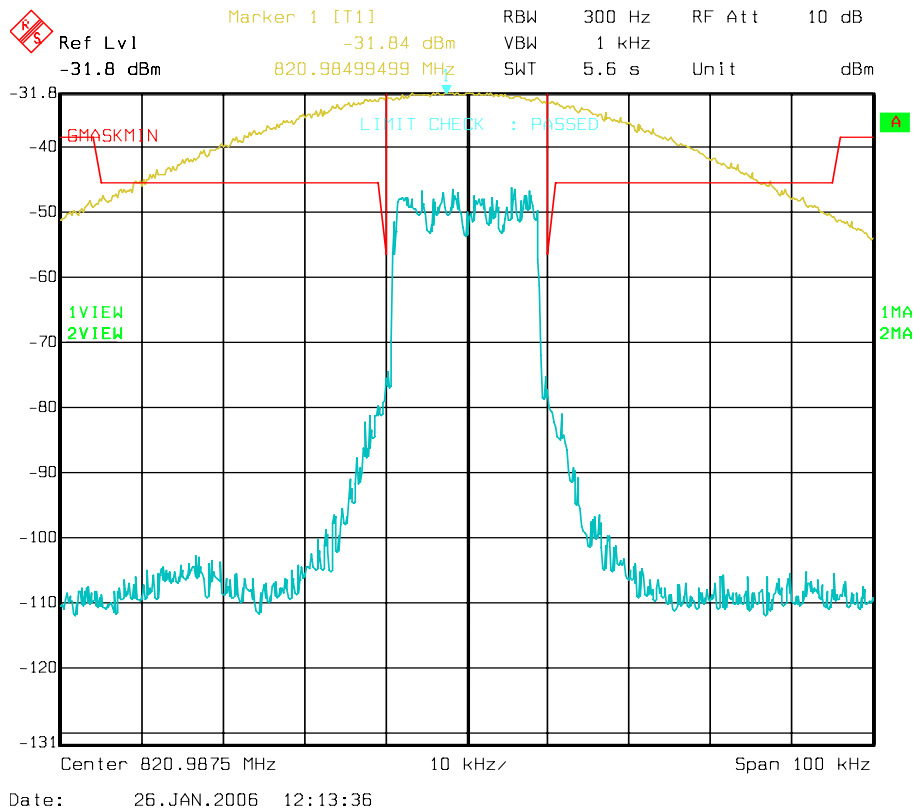


Figure 6a-2.3.6. WiDEN25 800 MHz Band, QAM16, Minimum Power, Emission Mask G

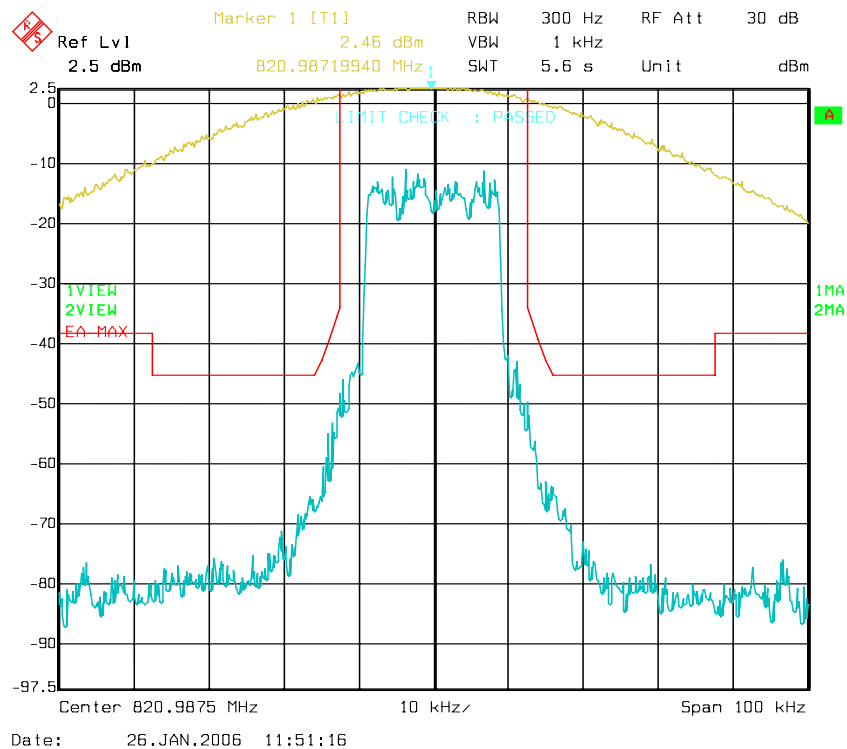


Figure 6a-2.3.7. WiDEN25 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

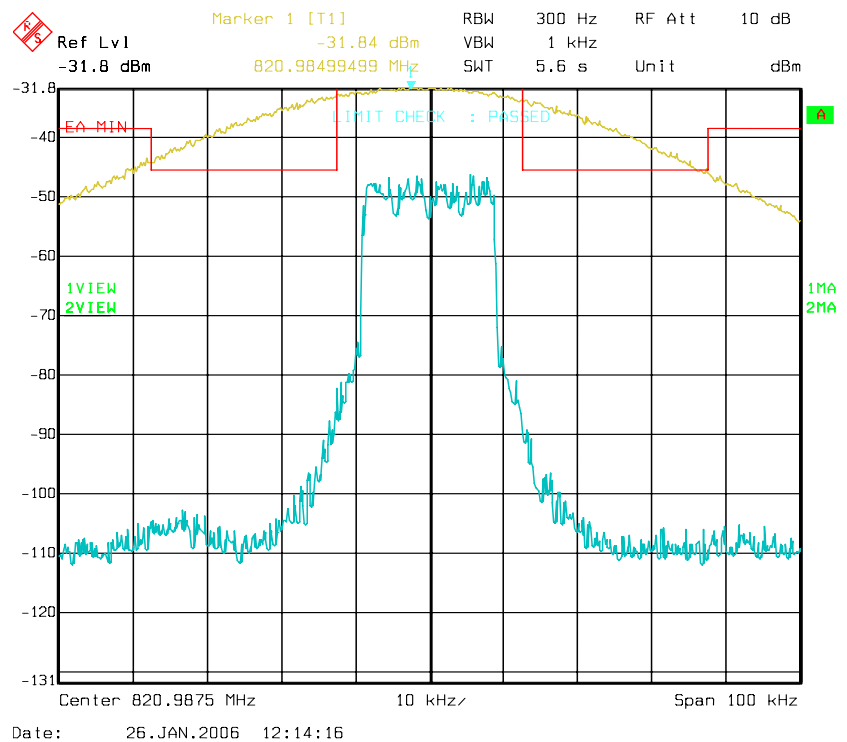


Figure 6a-2.3.8. WiDEN25 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

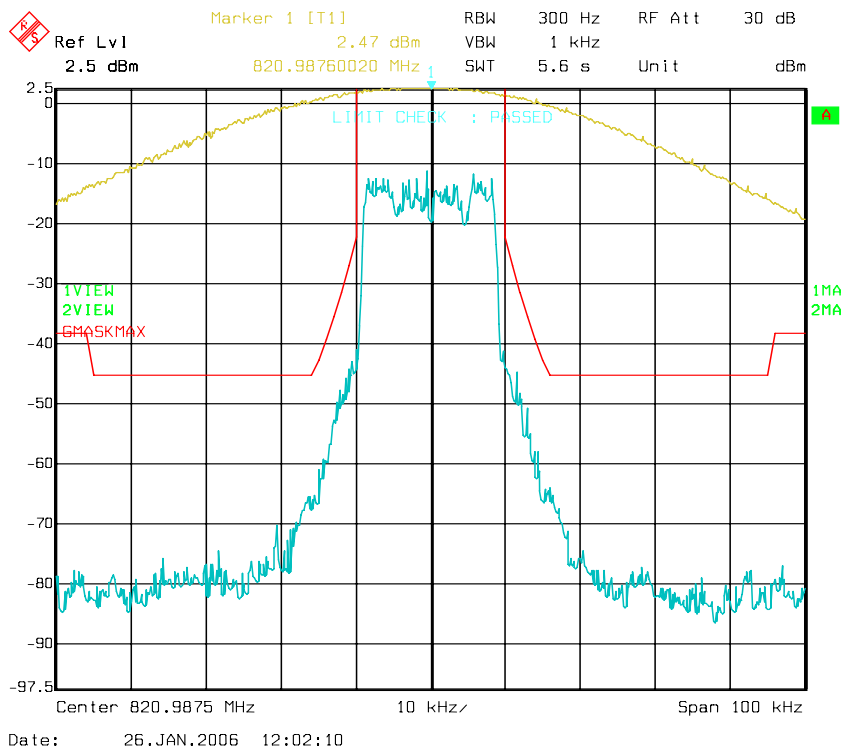


Figure 6a-2.3.9. WiDEN25 800 MHz Band, QAM64, Maximum Power, Emission Mask G

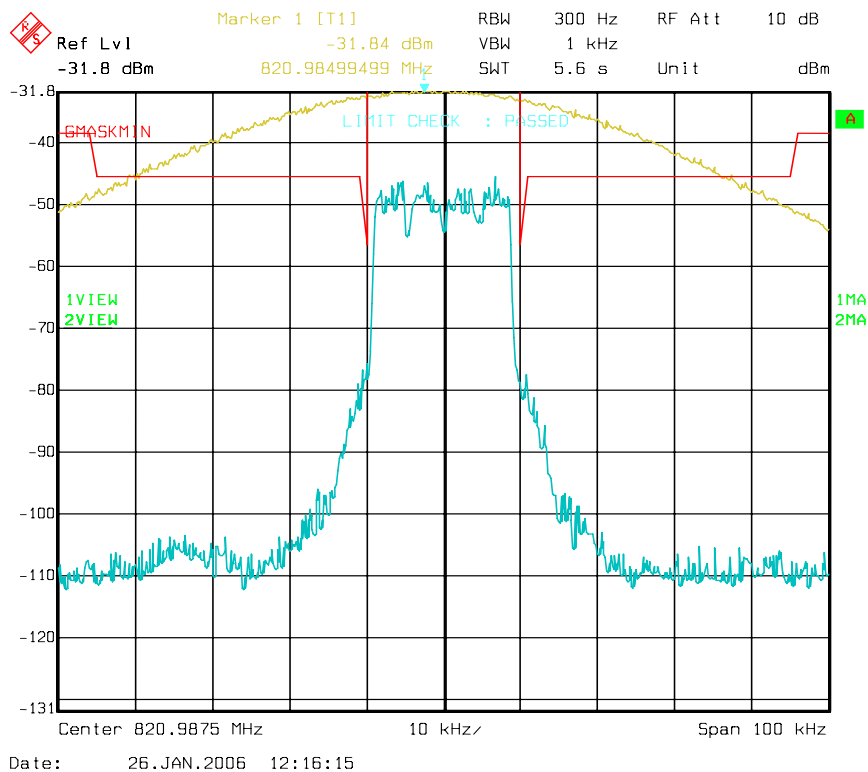


Figure 6a-2.3.10. WiDEN25 800 MHz Band, QAM64, Minimum Power, Emission Mask G

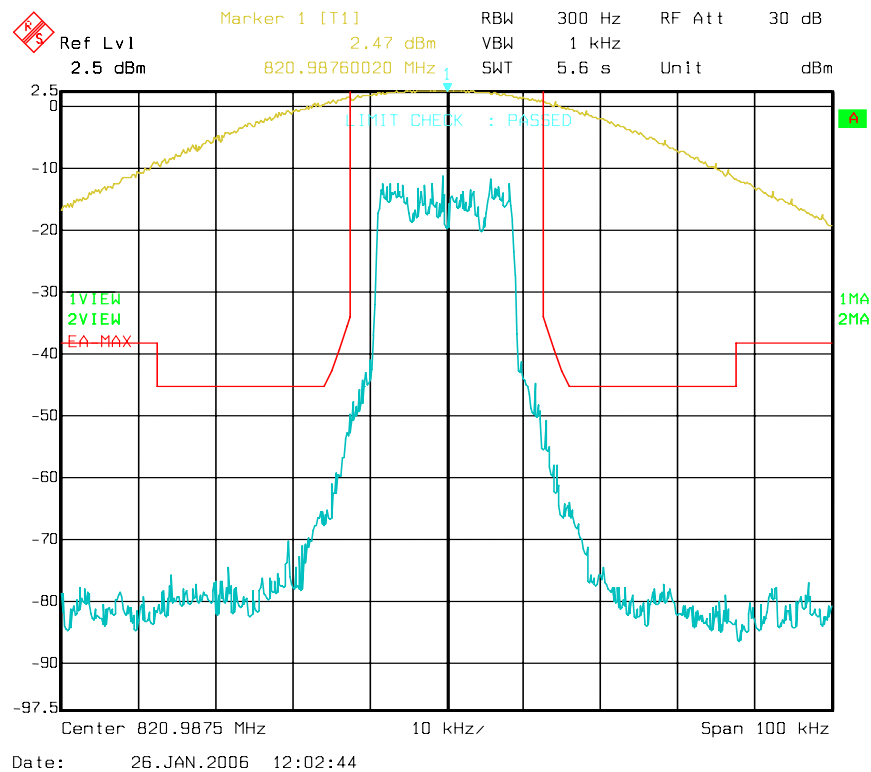


Figure 6a-2.3.11. WiDEN25 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

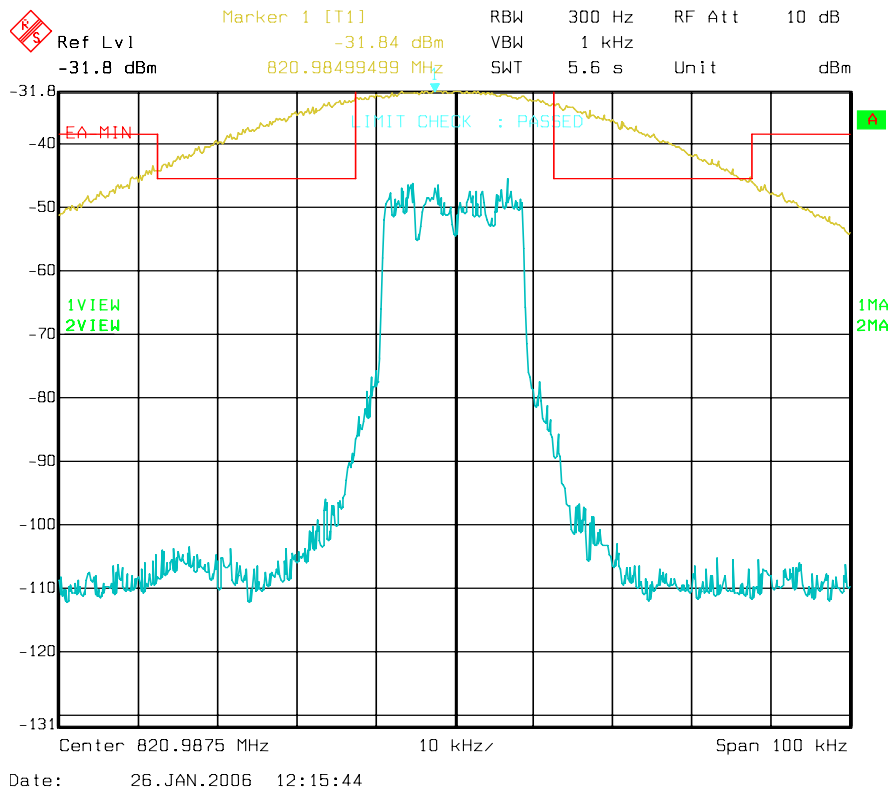


Figure 6a-2.3.12. WiDEN25 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

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

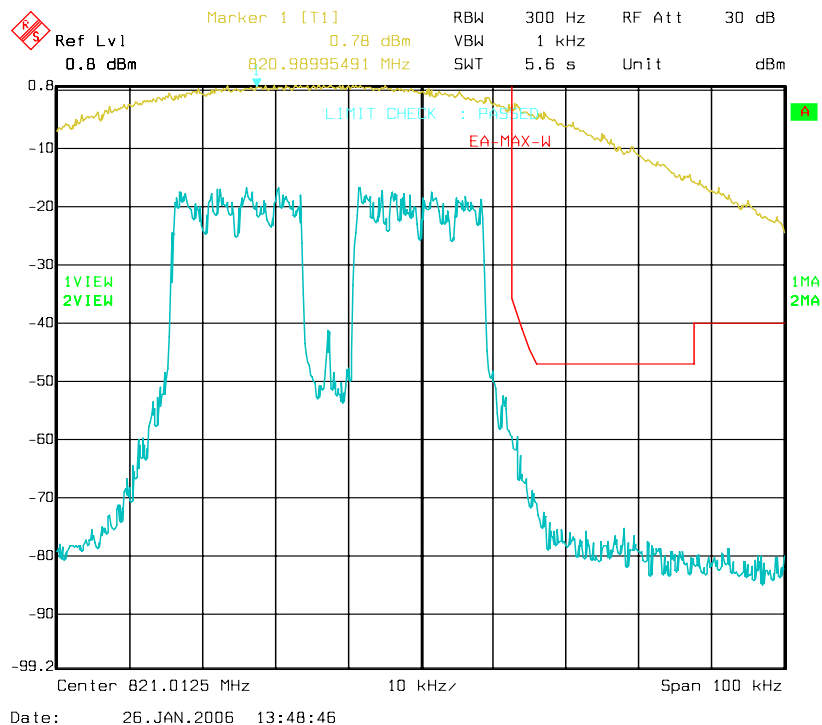


Figure 6a-2.4.1. WiDEN50 800 MHz Band, Continuous QPSK, Maximum Power, EA Emission Mask

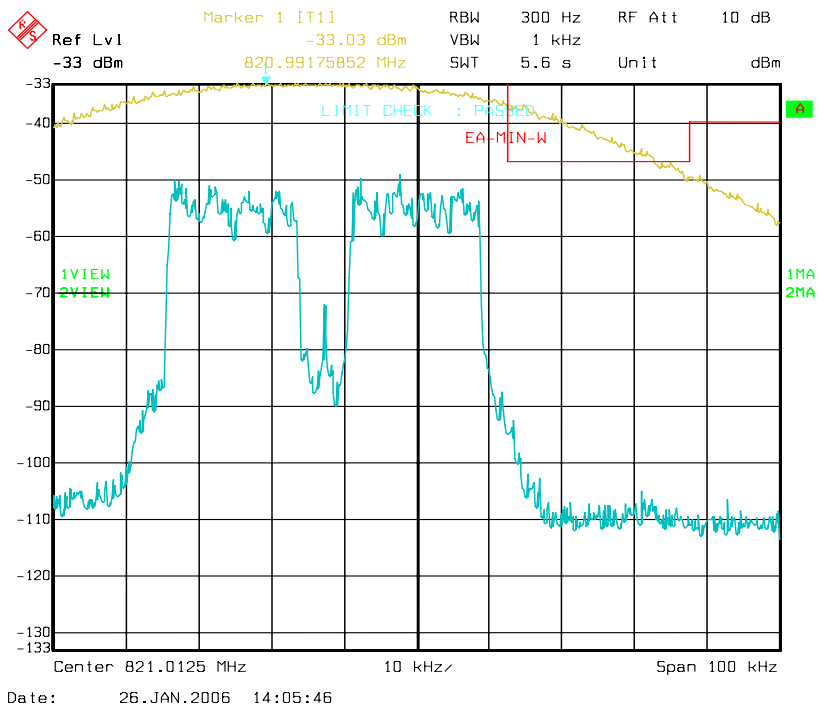


Figure 6a-2.4.2. WiDEN50 800 MHz Band, Continuous QPSK, Minimum Power, EA Emission Mask

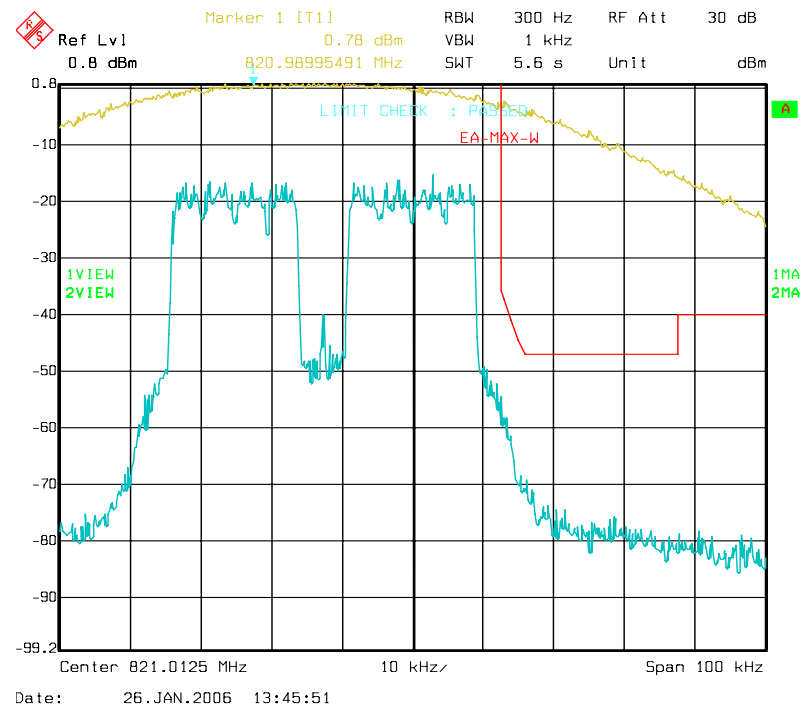


Figure 6a-2.4.3. WiDEN50 800 MHz Band, Continuous QAM16, Maximum Power, EA Emission Mask

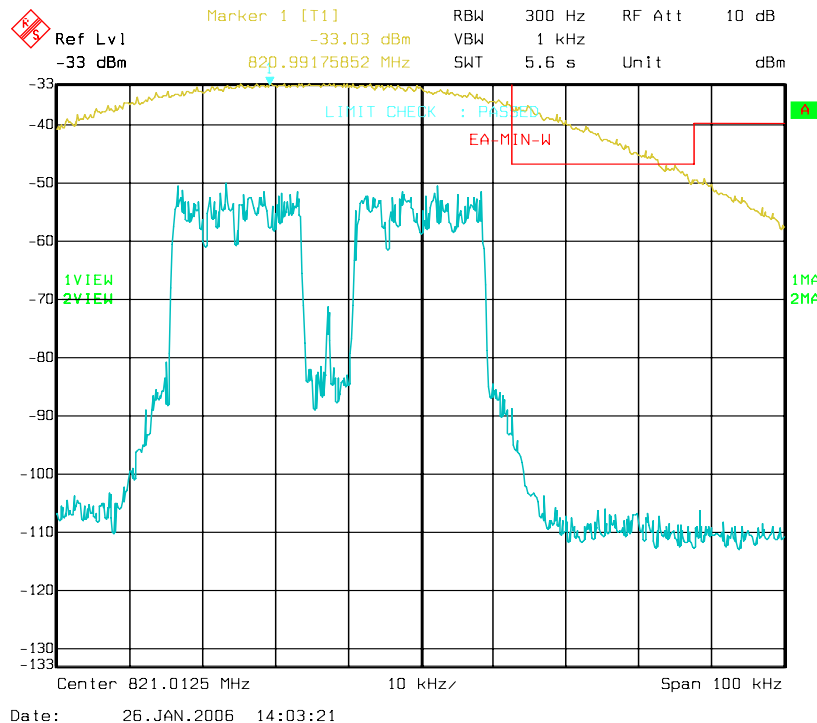


Figure 6a-2.4.4. WiDEN50 800 MHz Band, Continuous QAM16, Minimum Power, EA Emission Mask

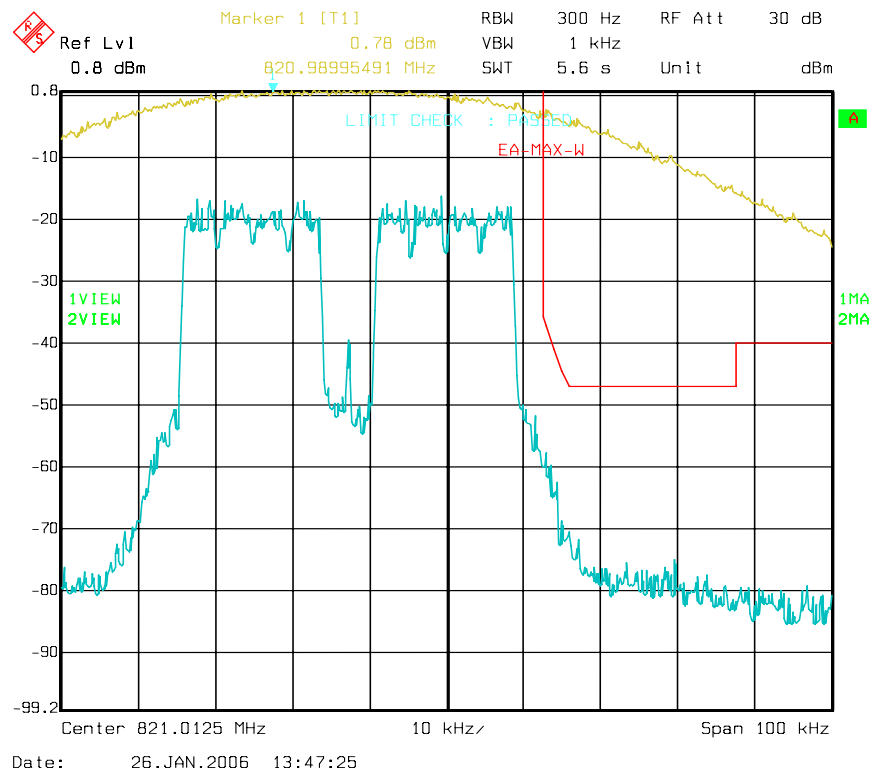


Figure 6a-2.4.5. WiDEN50 800 MHz Band, Continuous QAM64, Maximum Power, EA Emission Mask

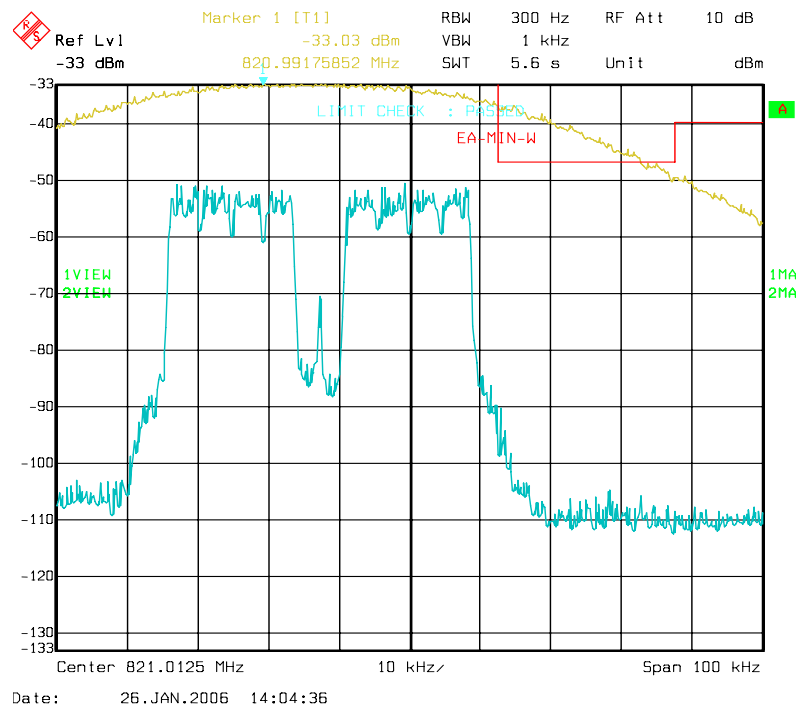


Figure 6a-2.4.6. WiDEN50 800 MHz Band, Continuous QAM64, Minimum Power, EA Emission Mask

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

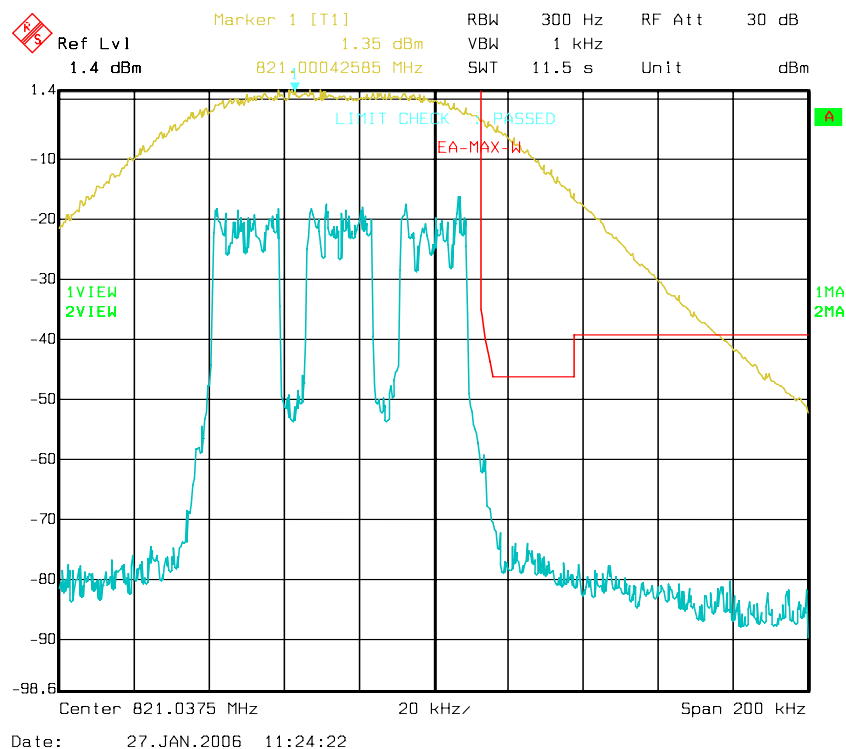


Figure 6a-2.5.1. WiDEN75 800 MHz Band, QPSK, Maximum Power, EA Emission Mask

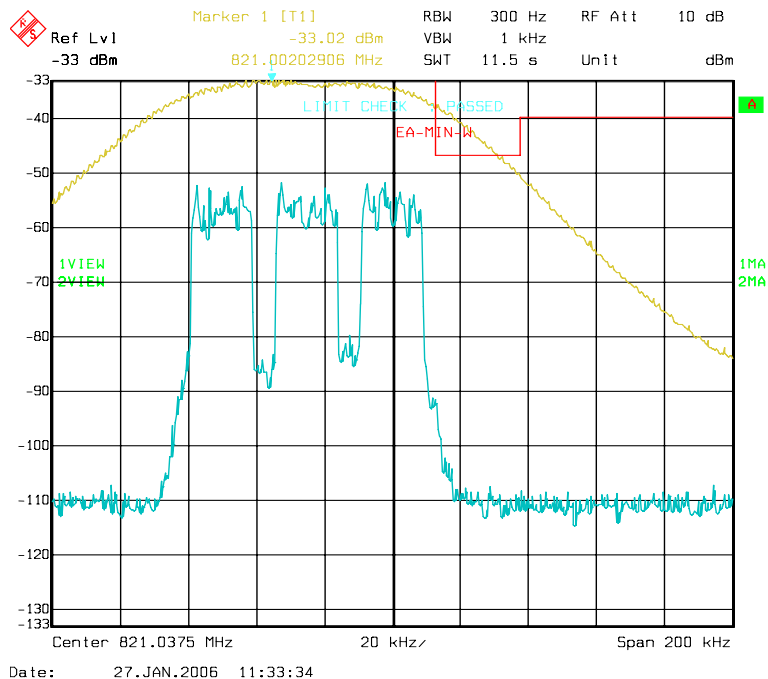


Figure 6a-2.5.2. WiDEN75 800 MHz Band, QPSK, Minimum Power, EA Emission Mask

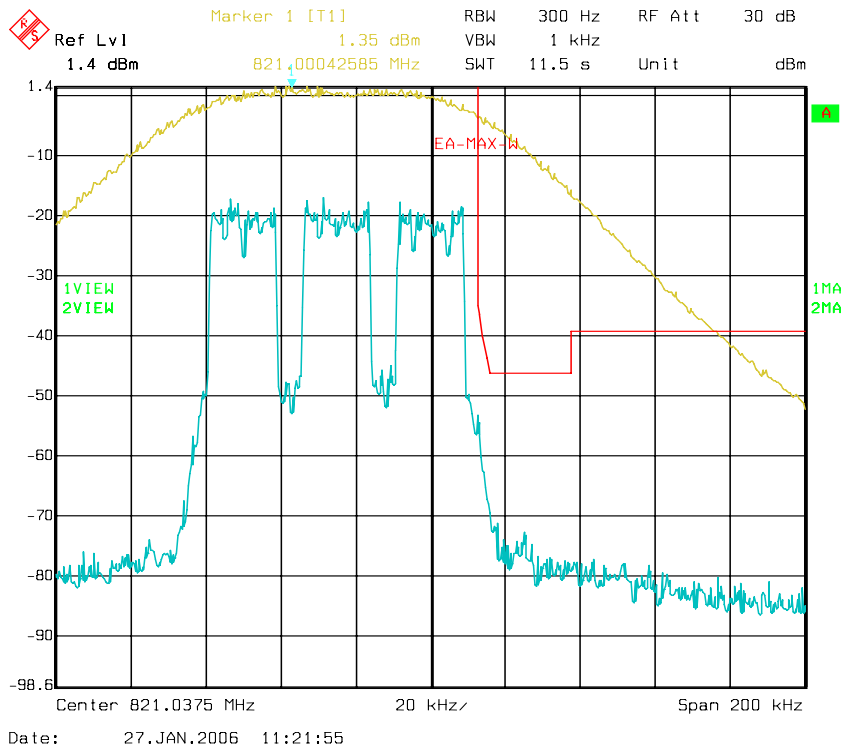


Figure 6a-2.5.3. WiDEN75 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

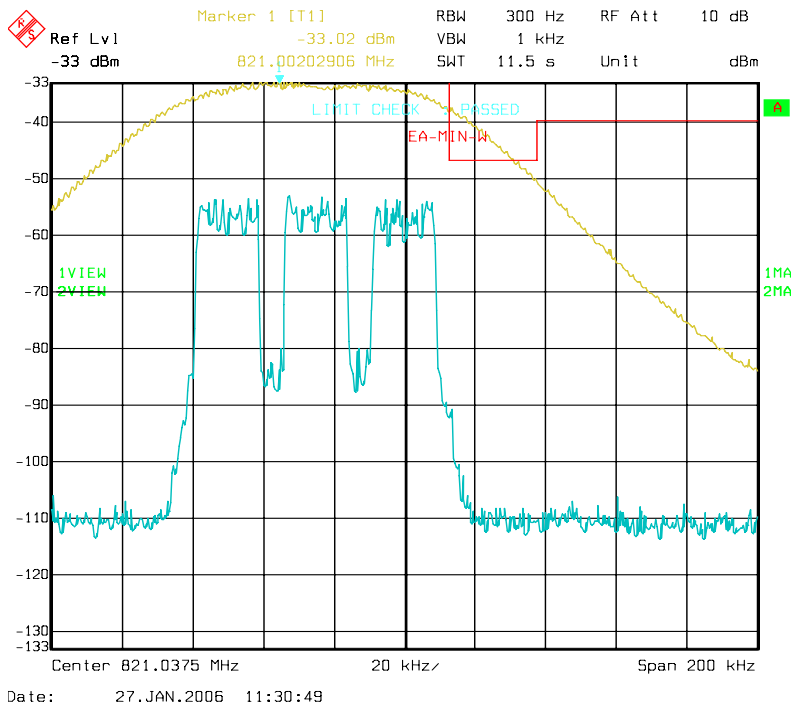


Figure 6a-2.5.4. WiDEN75 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

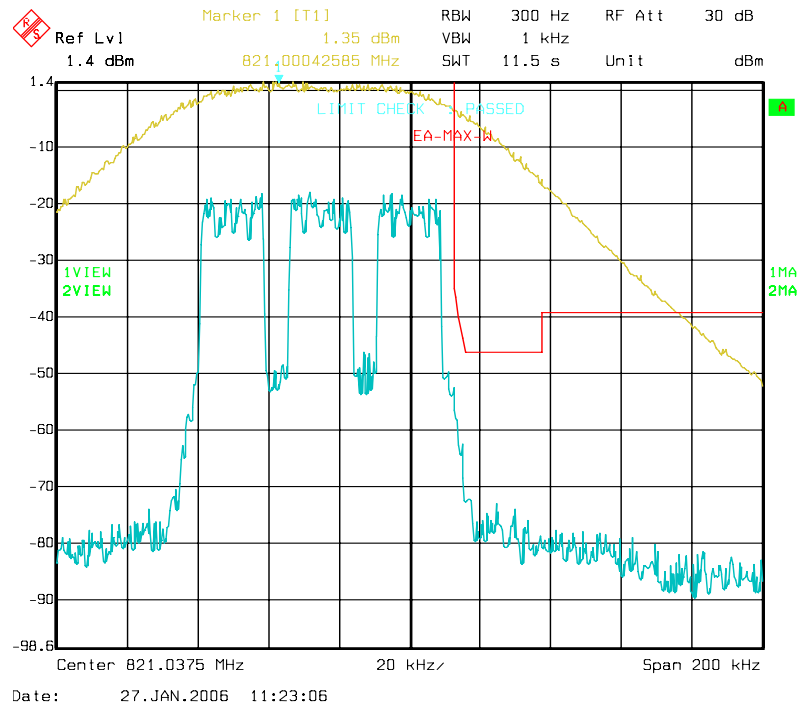


Figure 6a-2.5.5. WiDEN75 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

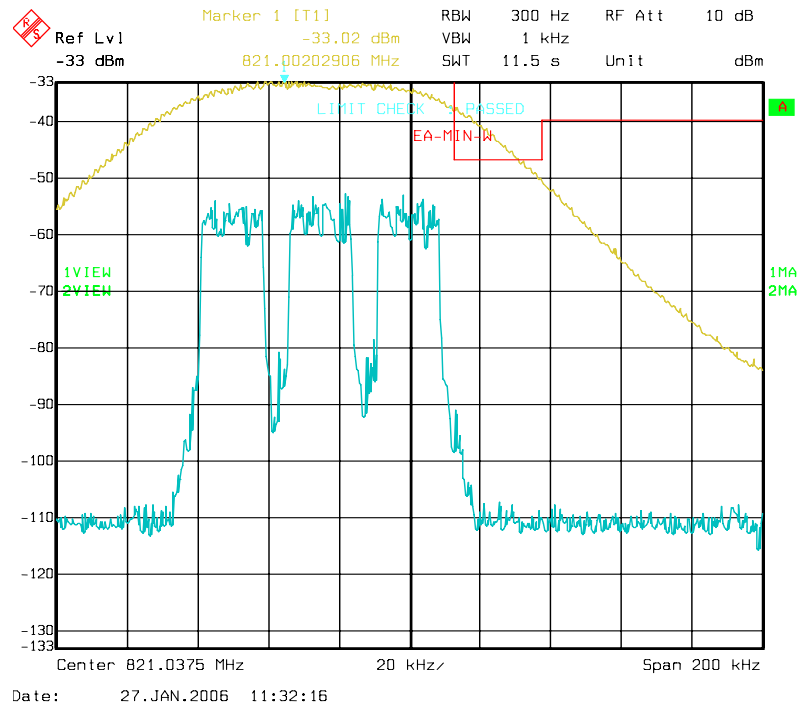


Figure 6a-2.5.6. WiDEN75 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

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

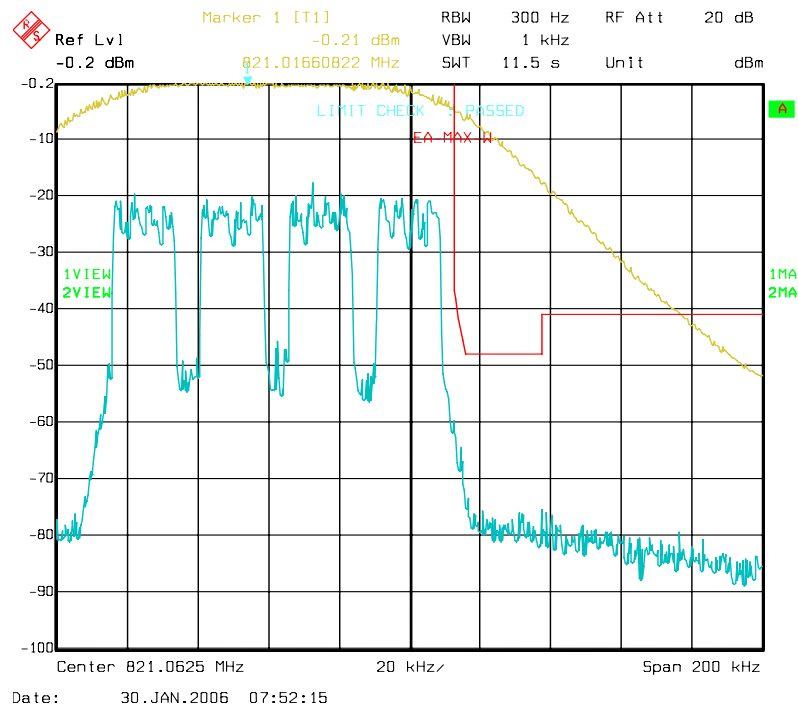


Figure 6a-2.6.1. WiDEN100 800 MHz Band, QPSK, Maximum Power, EA Emission Mask

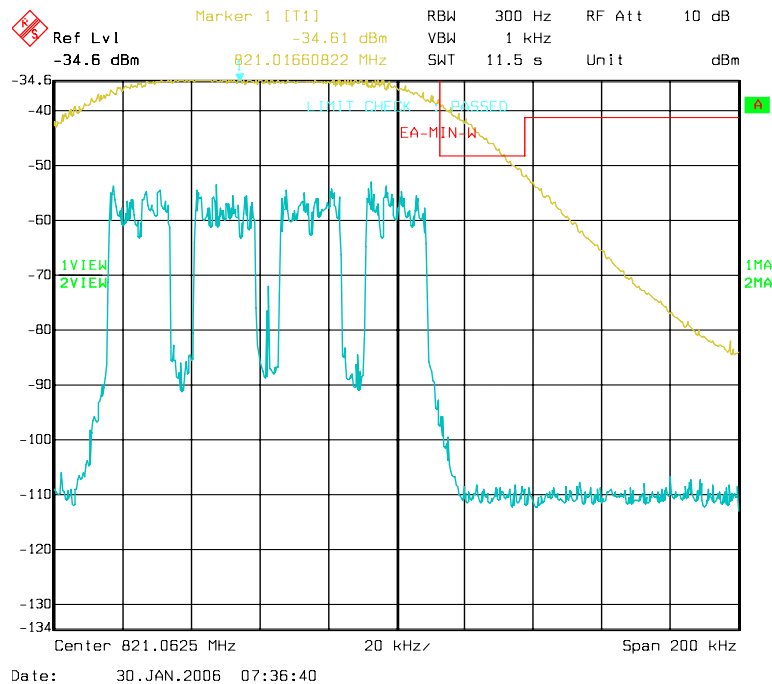


Figure 6a-2.6.2. WiDEN100 800 MHz Band, QPSK, Minimum Power, EA Emission Mask

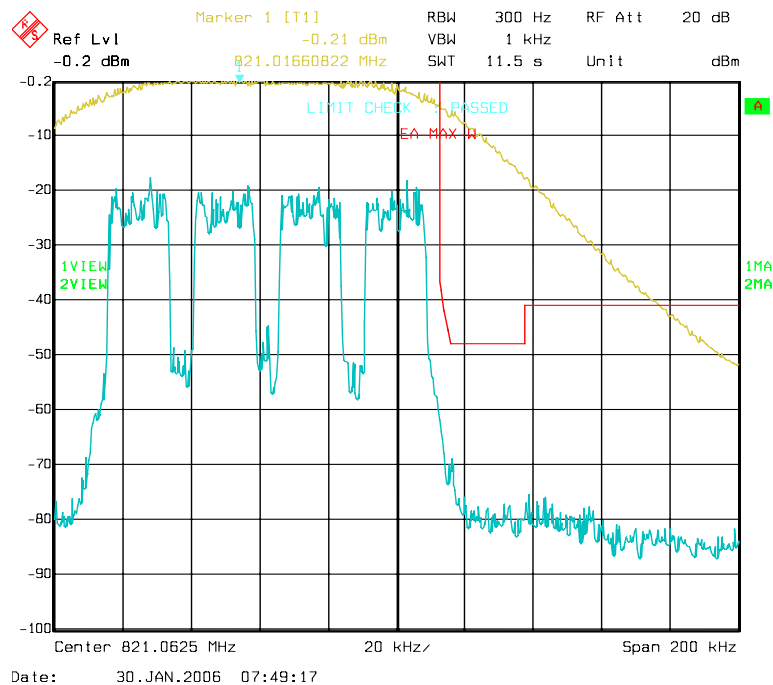


Figure 6a-2.6.3. WiDEN100 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

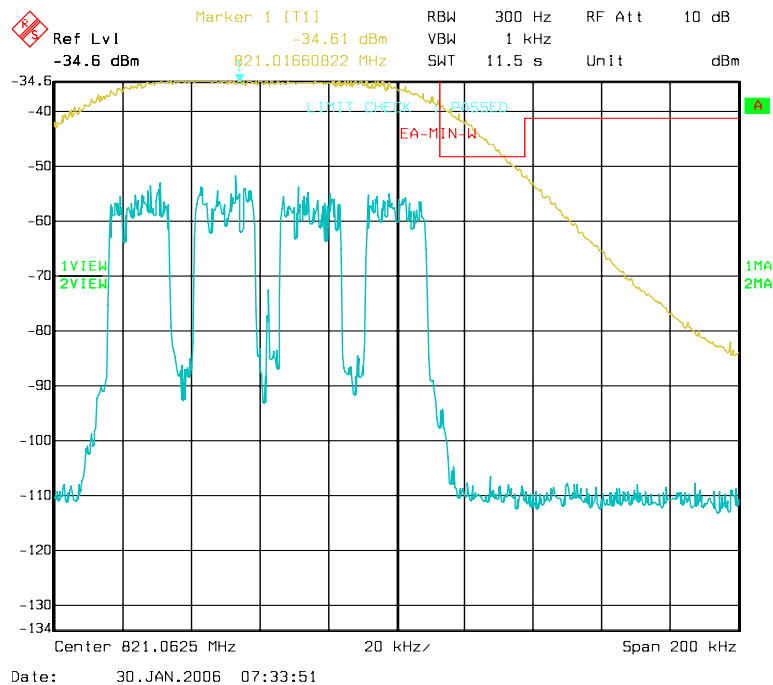


Figure 6a-2.6.4. WiDEN100 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

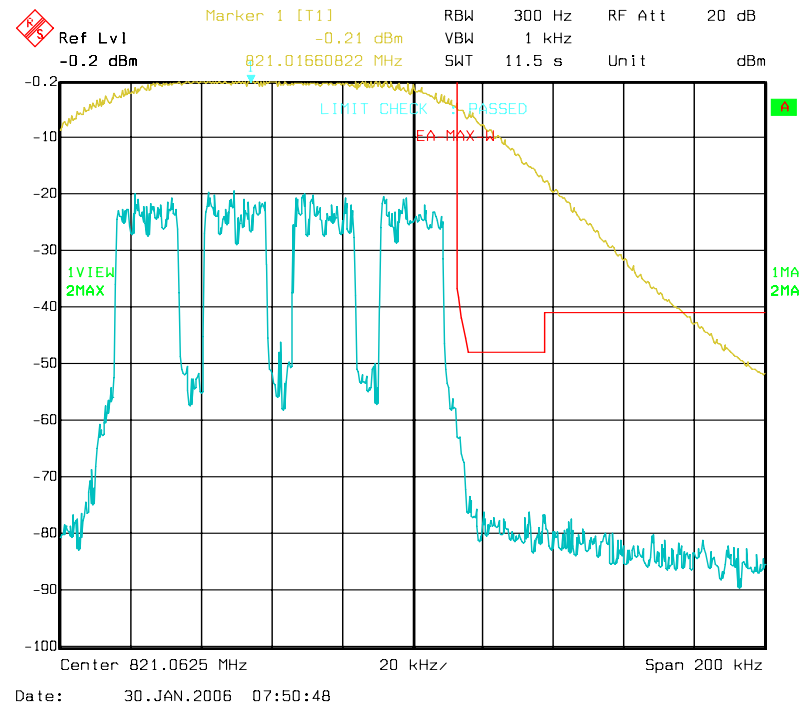


Figure 6a-2.6.5. WiDEN100 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

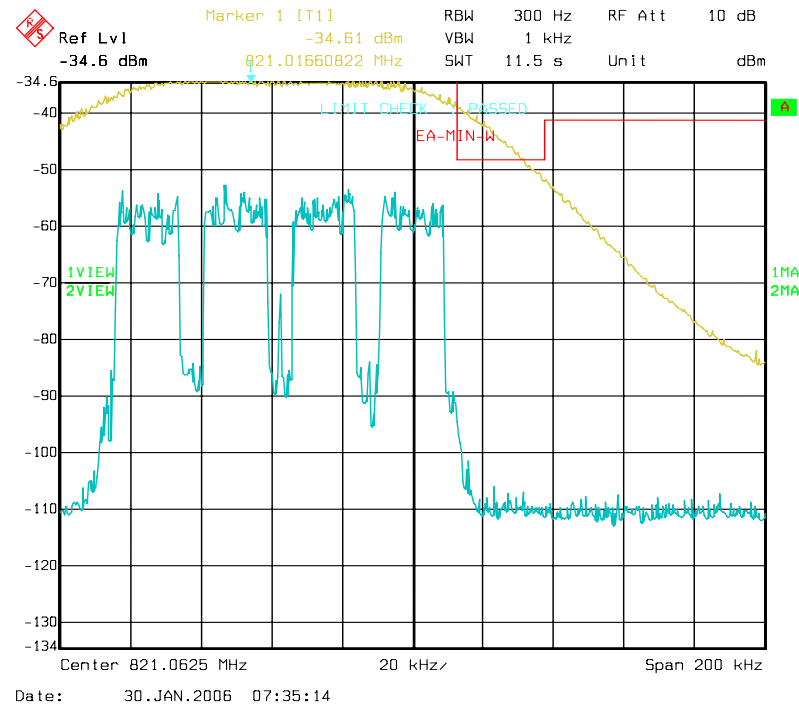


Figure 6a-2.6.6. WiDEN100 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

6a.2.7 Emission Designator 93K3D7D - WiDEN50_Split 800 MHz Band

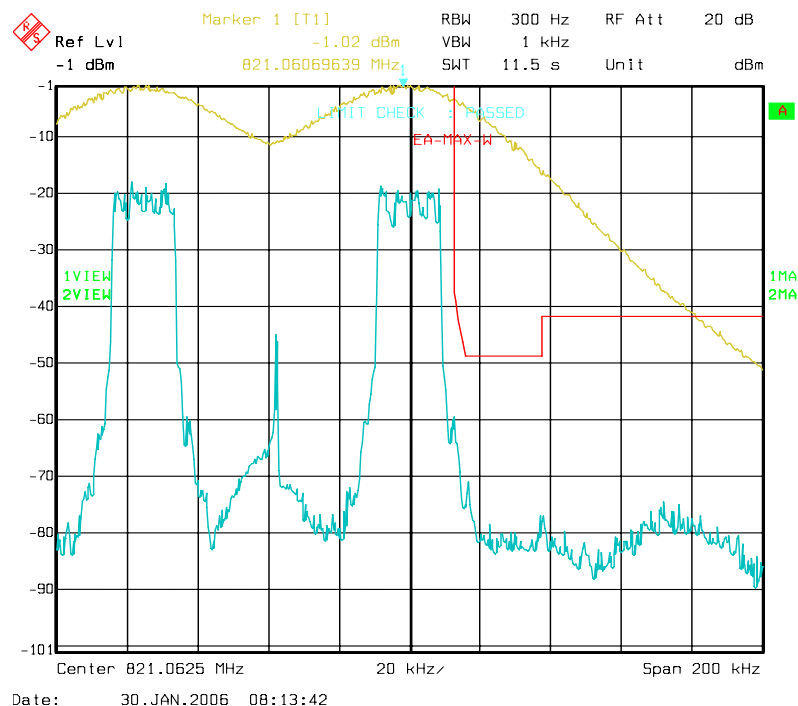


Figure 6a-2.7.1. WiDEN50_Split 800 MHz Band, QPSK, Maximum Power, EA Emission Mask

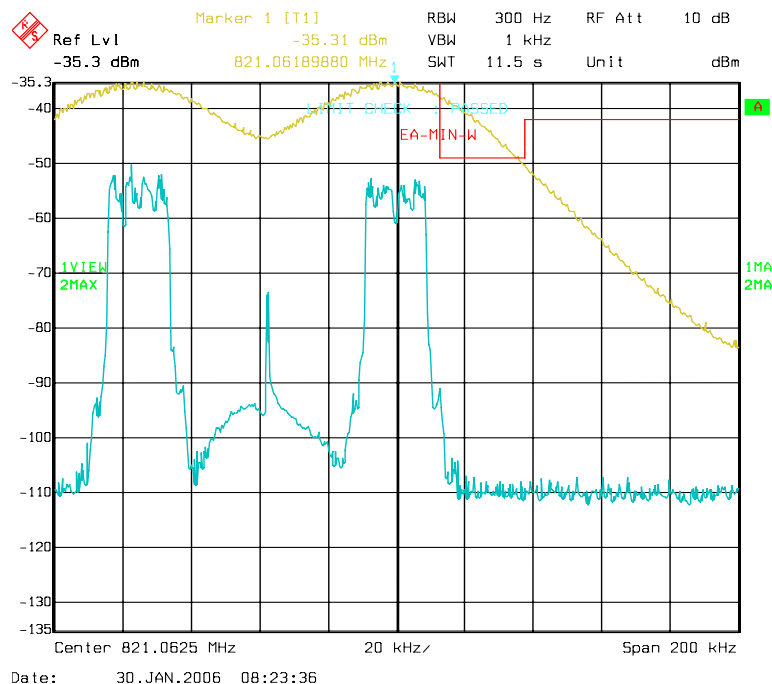


Figure 6a-2.7.2. WiDEN50_Split 800 MHz Band, QPSK, Minimum Power, EA Emission Mask

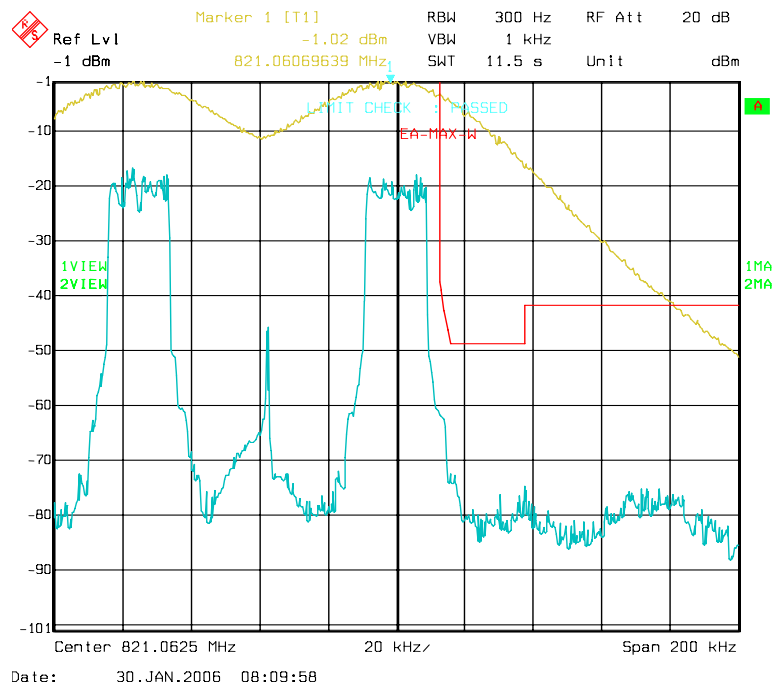


Figure 6a-2.7.3. WiDEN50_Split 800 MHz Band, QAM16, Maximum Power, EA Emission Mask

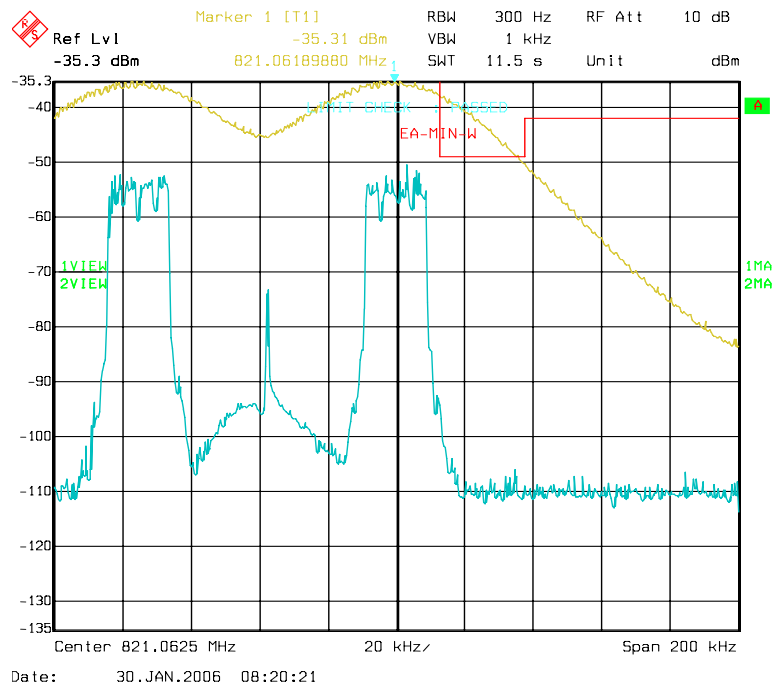


Figure 6a-2.7.4. WiDEN50_Split 800 MHz Band, QAM16, Minimum Power, EA Emission Mask

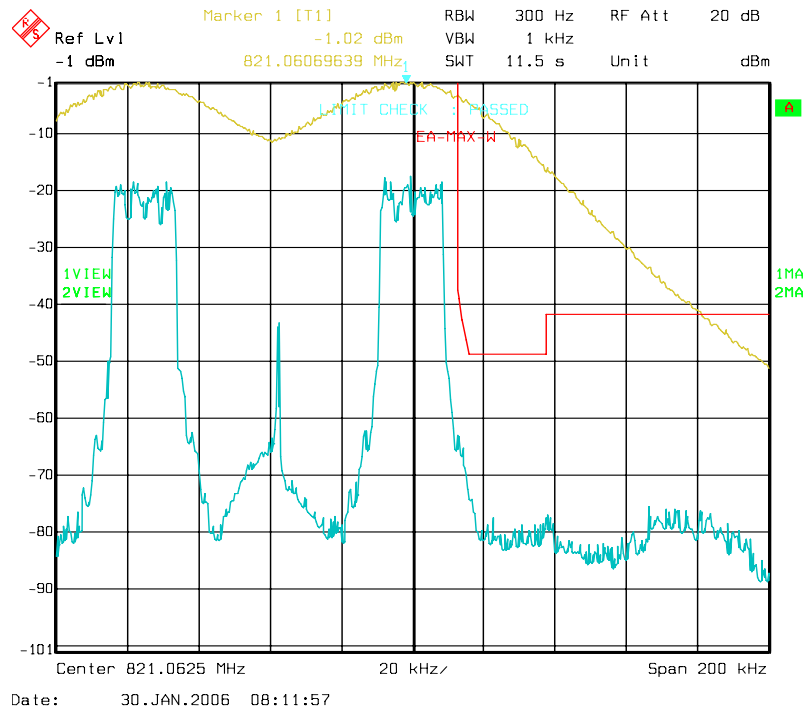


Figure 6a-2.7.5. WiDEN50_Split 800 MHz Band, QAM64, Maximum Power, EA Emission Mask

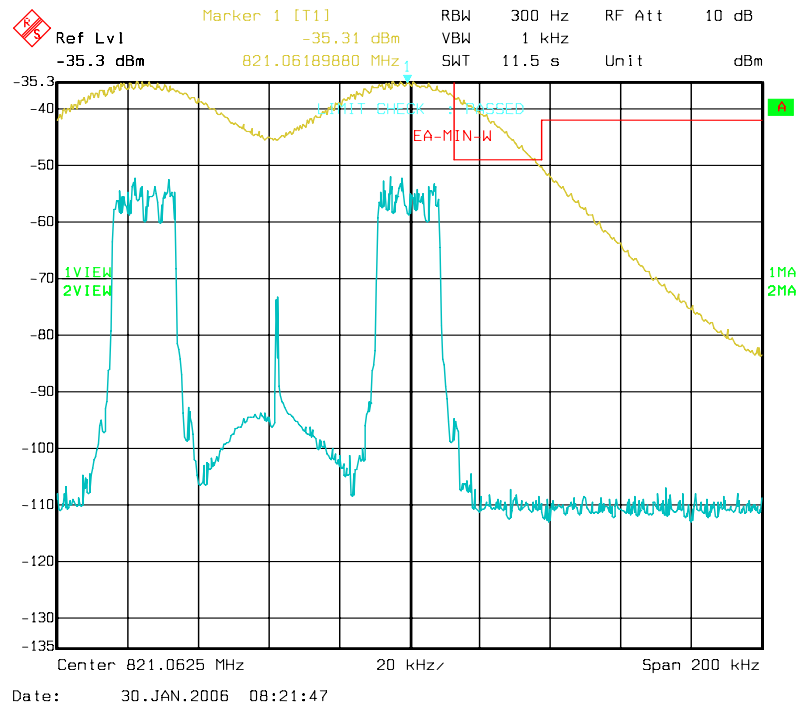


Figure 6a-2.7.6. WiDEN50_Split 800 MHz Band, QAM64, Minimum Power, EA Emission Mask

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

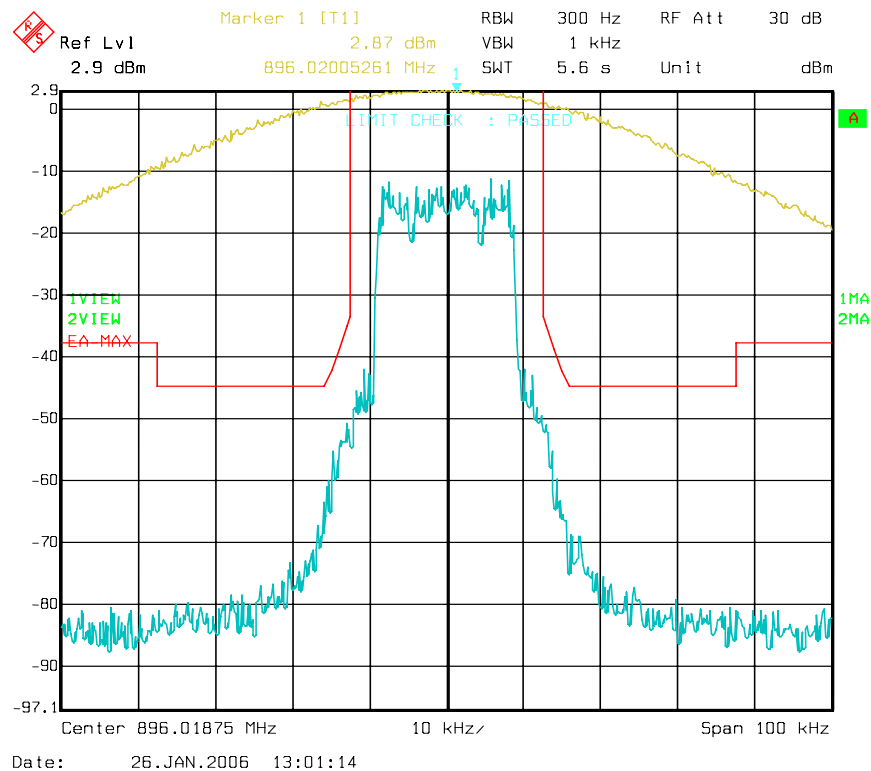


Figure 6a-2.8.1. WiDEN25 900 MHz Band, QPSK, Maximum Power, EA Emission Mask

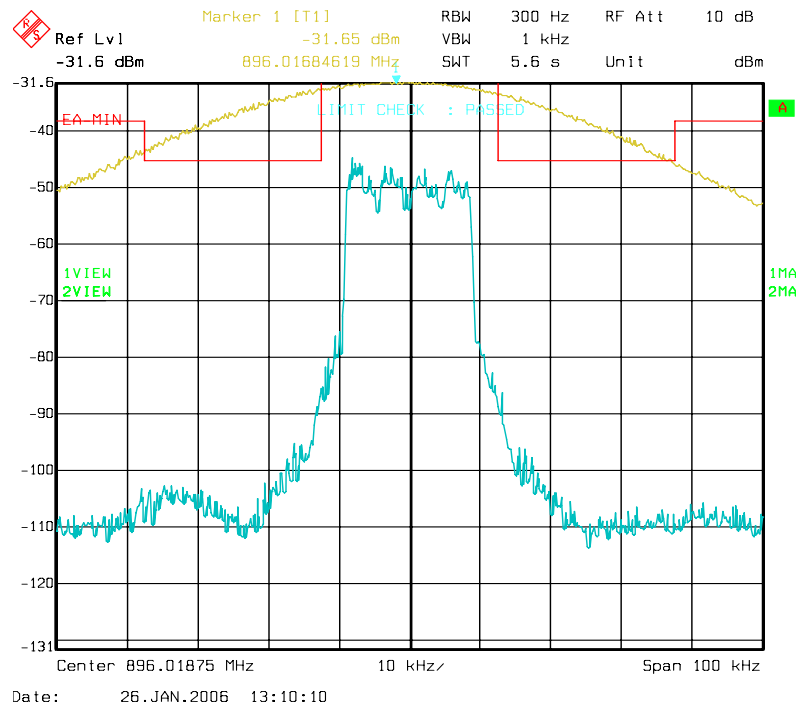


Figure 6a-2.8.2. WiDEN25 900 MHz Band, QPSK, Minimum Power, EA Emission Mask

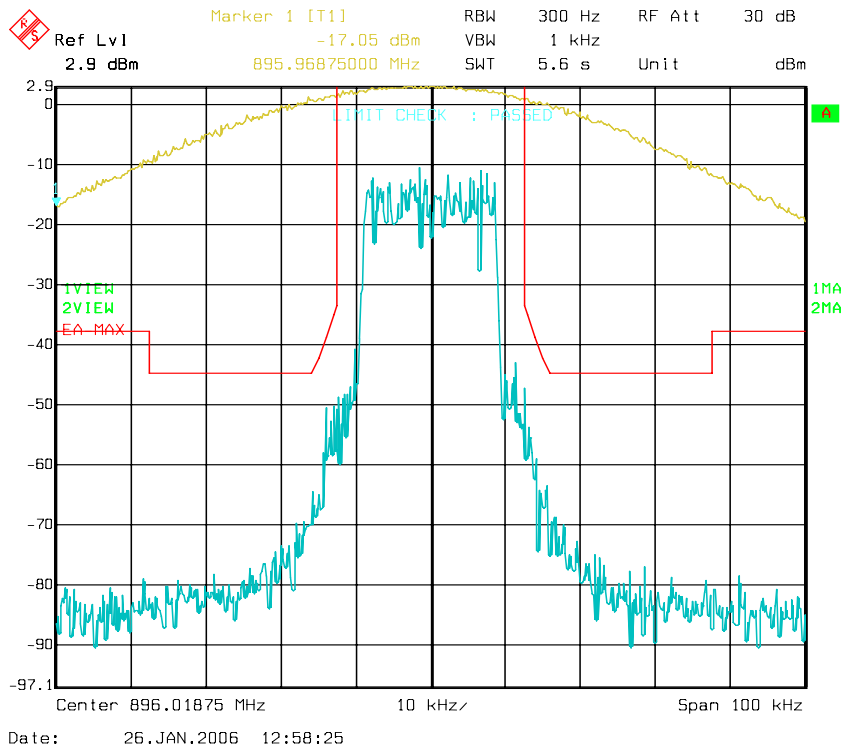


Figure 6a-2.8.3. WiDEN25 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

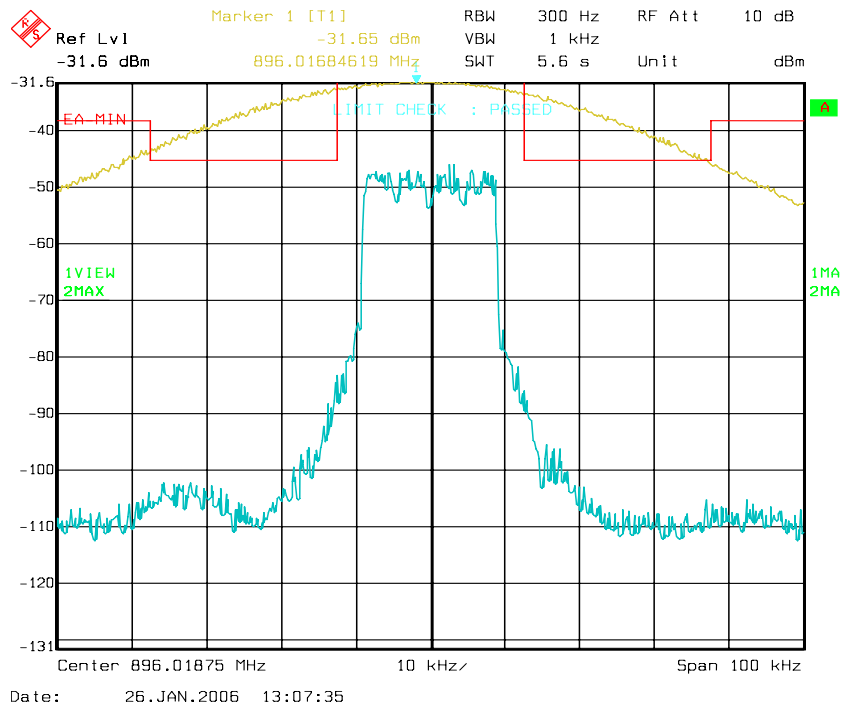


Figure 6a-2.8.4. WiDEN25 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

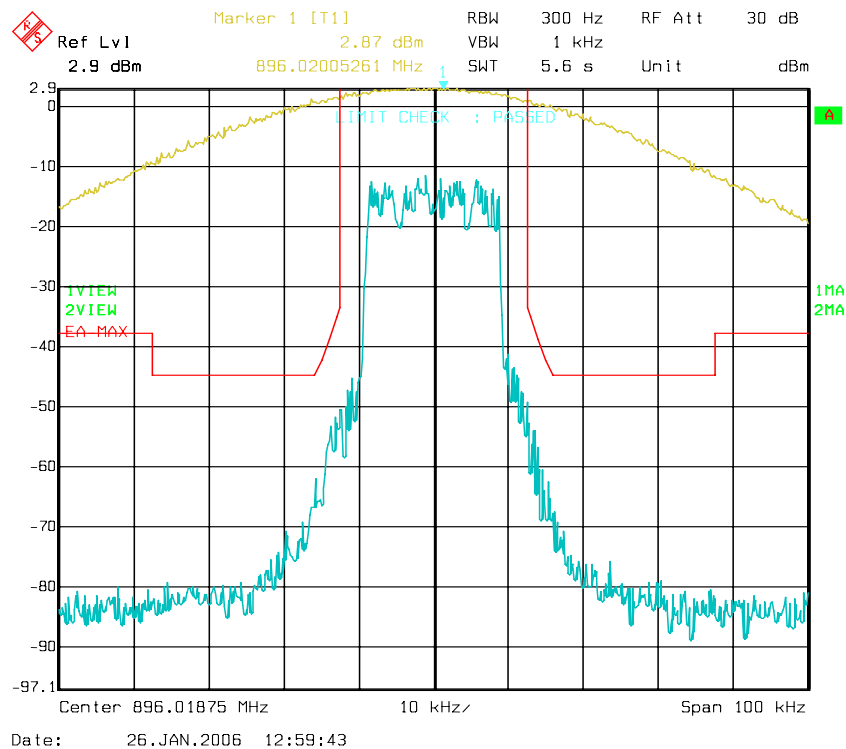


Figure 6a-2.8.5. WiDEN25 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

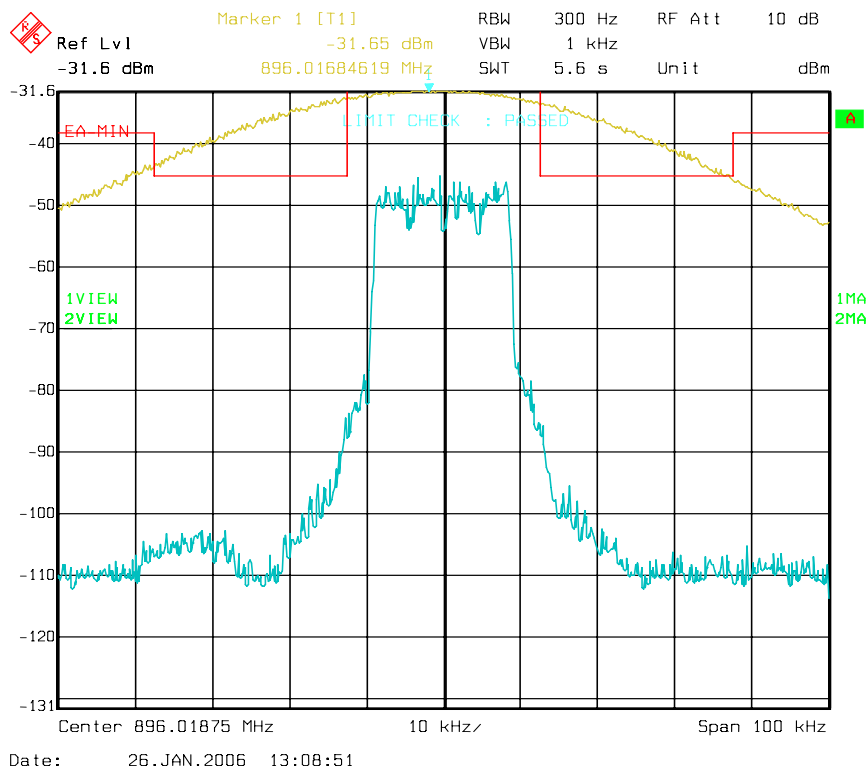


Figure 6a-2.8.6. WiDEN25 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

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

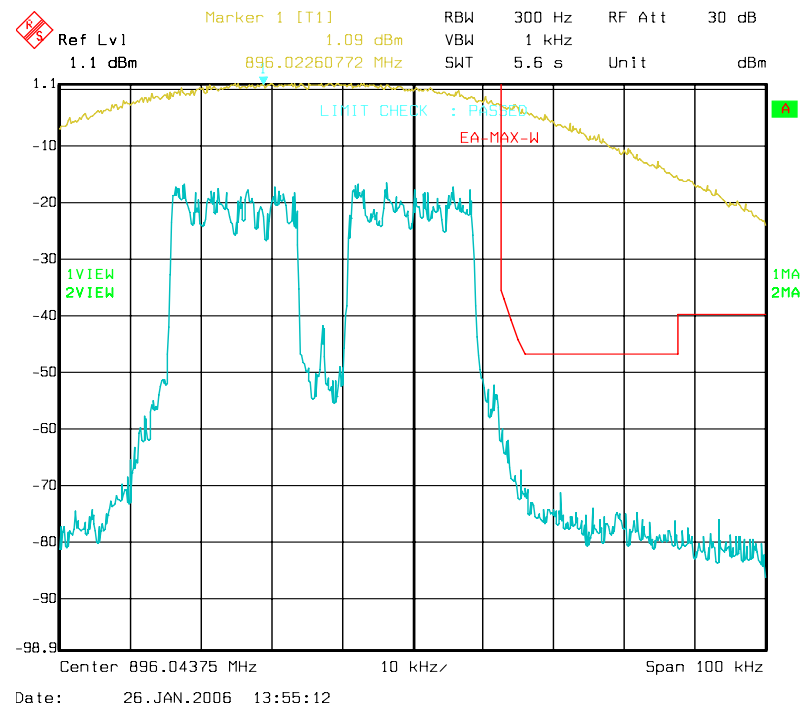


Figure 6a-2.9.1. WiDEN50 900 MHz Band, Continuous QPSK, Maximum Power, EA Emission Mask

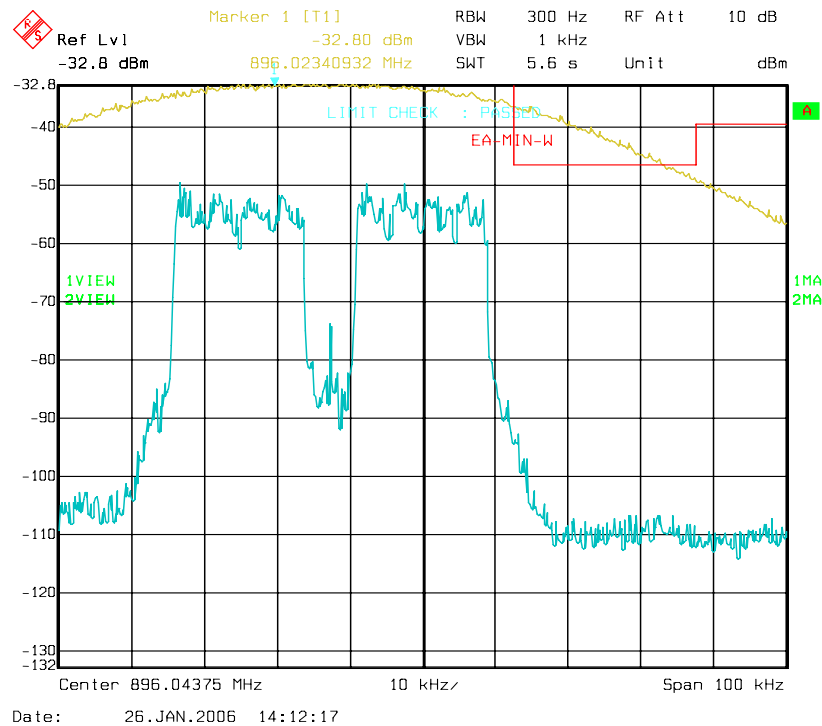


Figure 6a-2.9.2. WiDEN50 900 MHz Band, Continuous QPSK, Minimum Power, EA Emission Mask

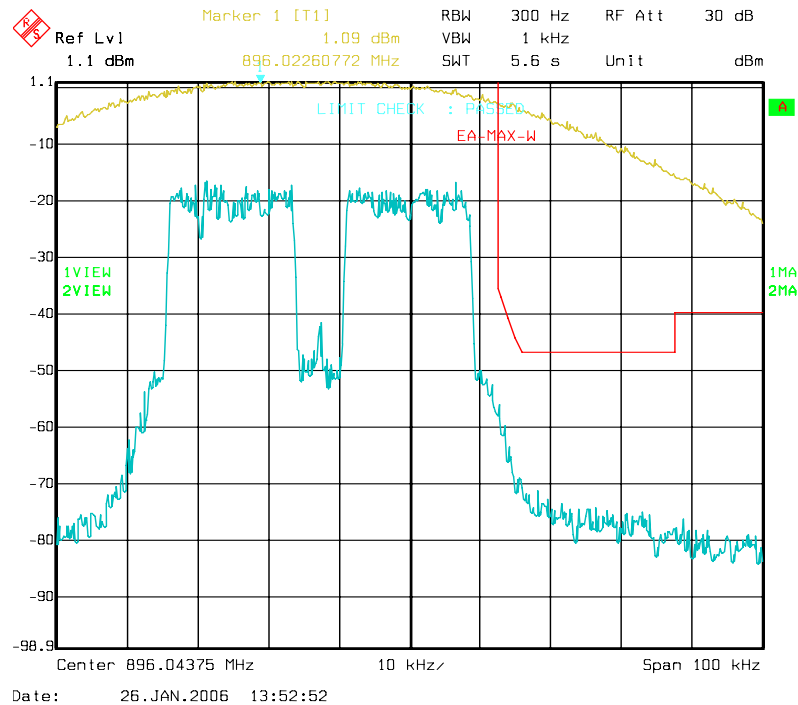


Figure 6a-2.9.3. WiDEN50 900 MHz Band, Continuous QAM16, Maximum Power, EA Emission Mask

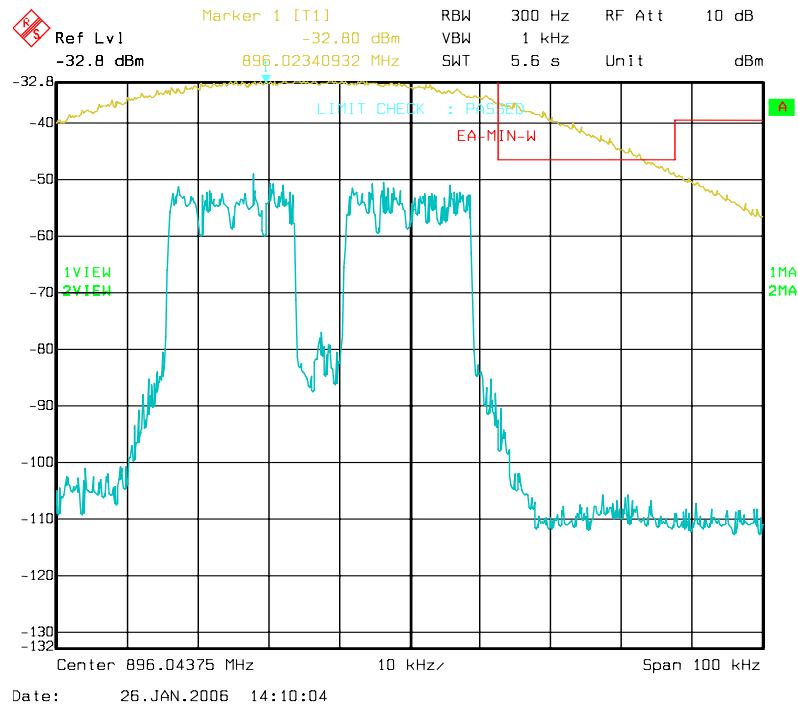


Figure 6a-2.9.4. WiDEN50 900 MHz Band, Continuous QAM16, Minimum Power, EA Emission Mask

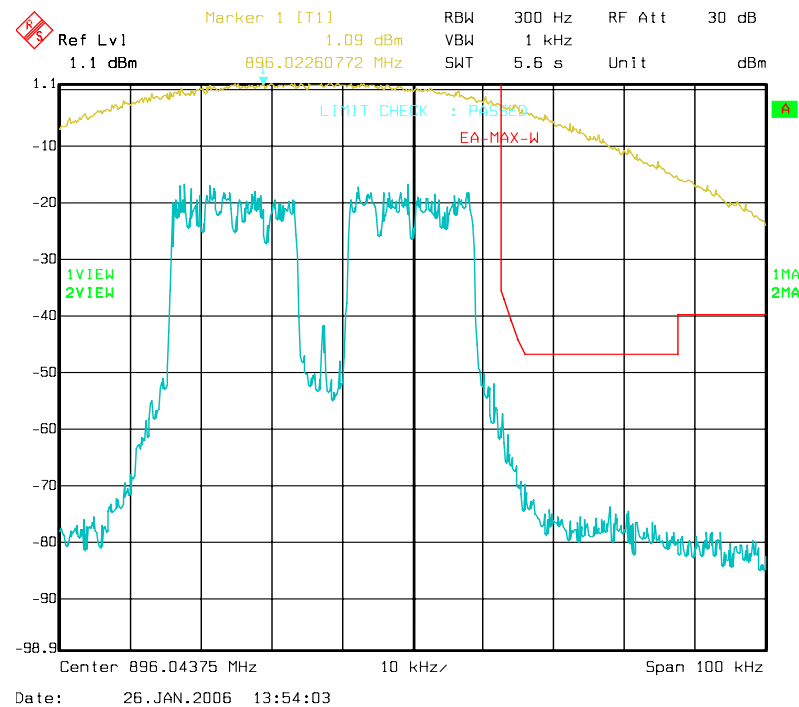


Figure 6a-2.9.5. WiDEN50 900 MHz Band, Continuous QAM64, Maximum Power, EA Emission Mask

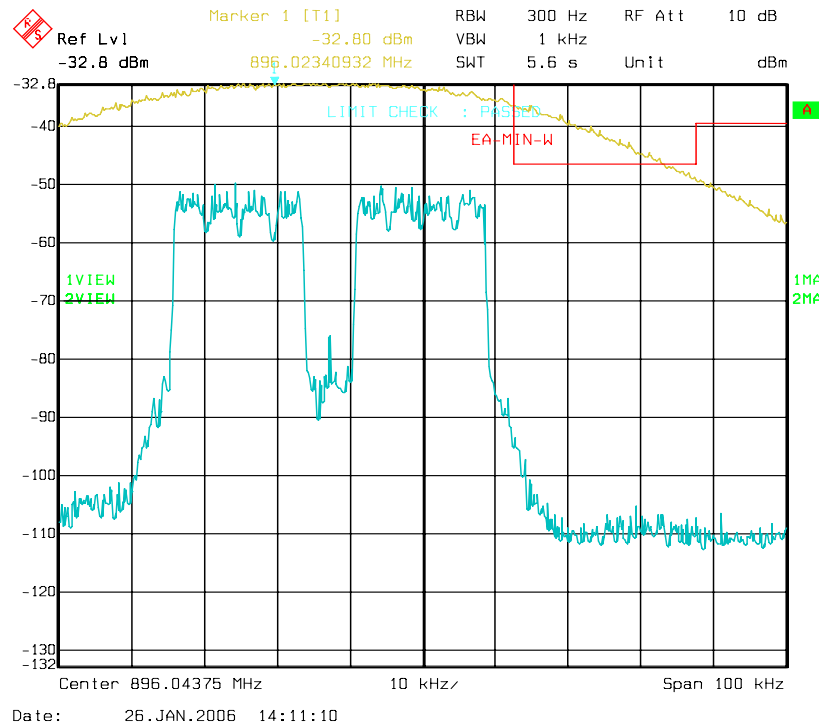


Figure 6a-2.9.6. WiDEN50 900 MHz Band, Continuous QAM64, Minimum Power, EA Emission Mask

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

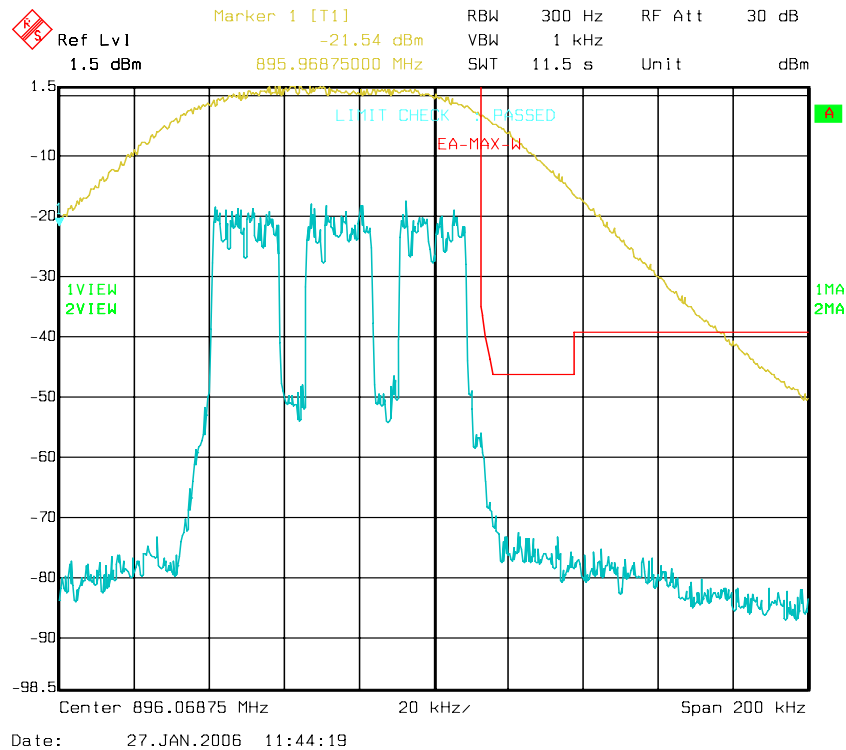


Figure 6a-2.10.1. WiDEN75 900 MHz Band, QPSK, Maximum Power, EA Emission Mask

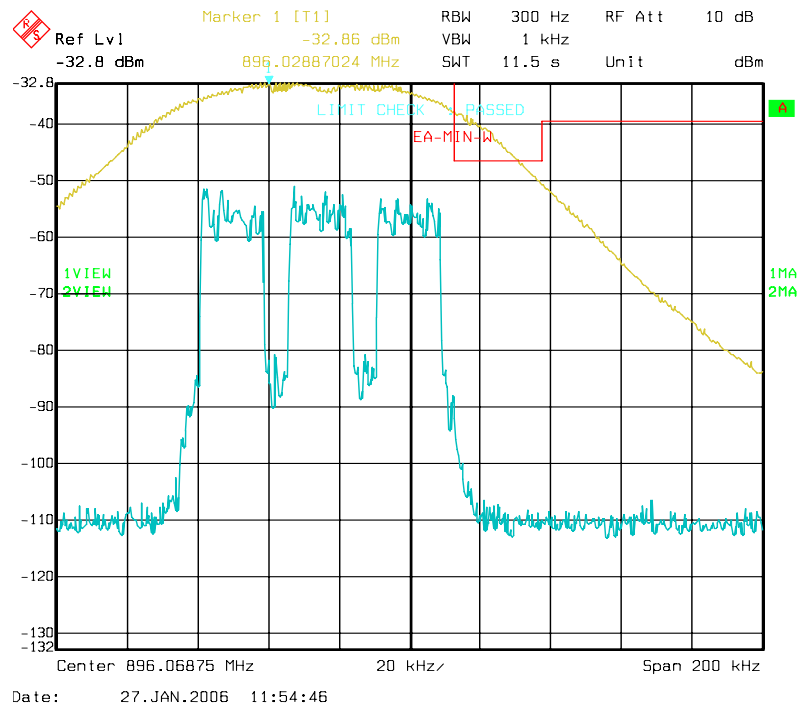


Figure 6a-2.10.2. WiDEN75 900 MHz Band, QPSK, Minimum Power, EA Emission Mask

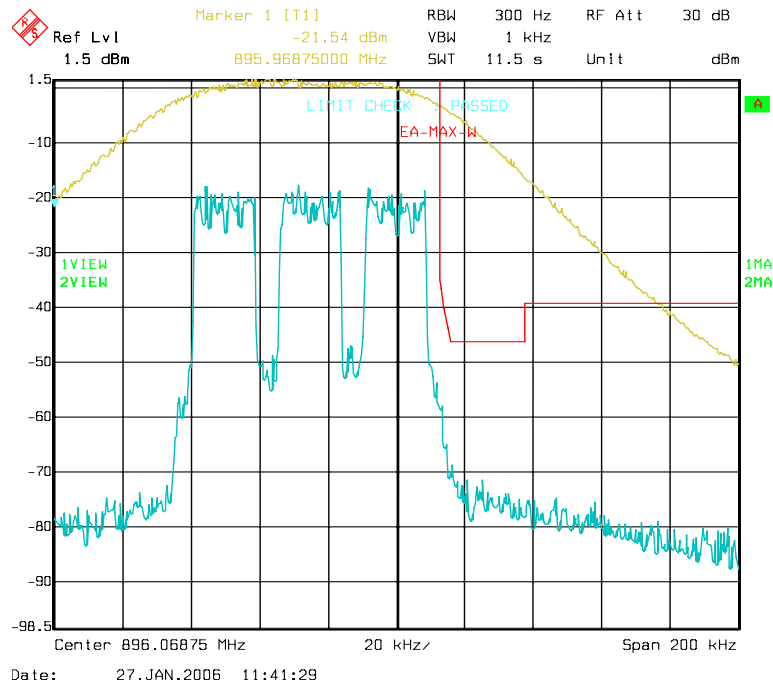


Figure 6a-2.10.3. WIDEN75 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

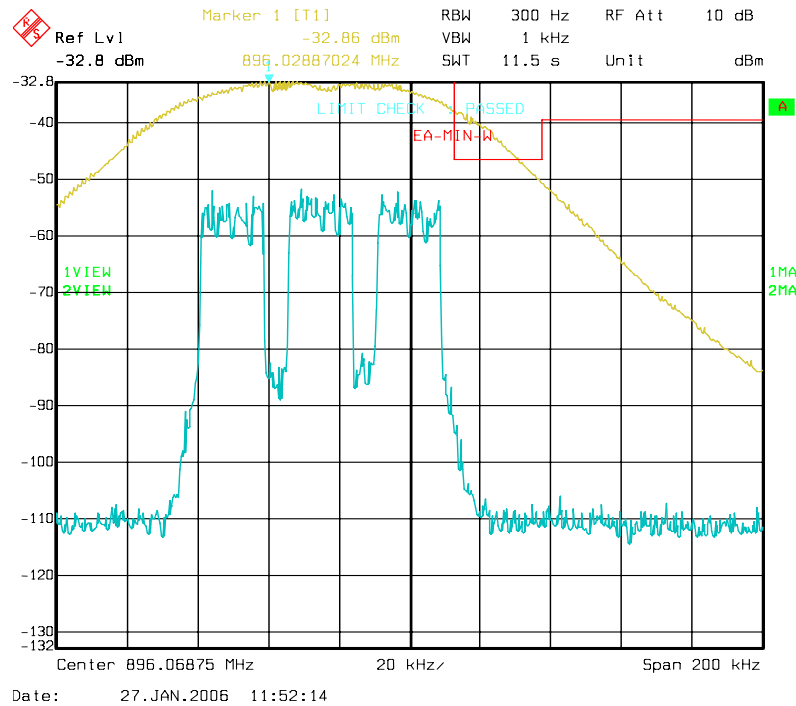


Figure 6a-2.10.4. WIDEN75 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

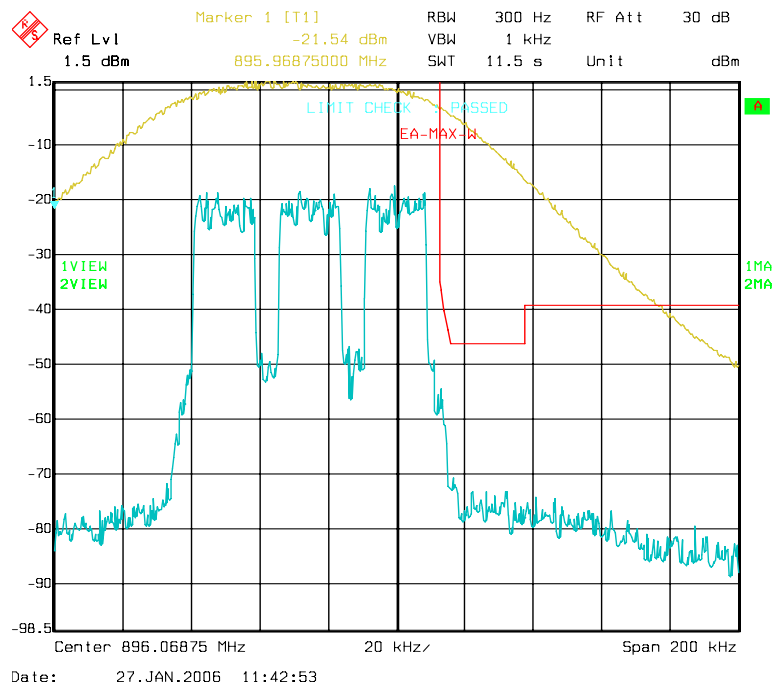


Figure 6a-2.10.5. WiDEN75 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

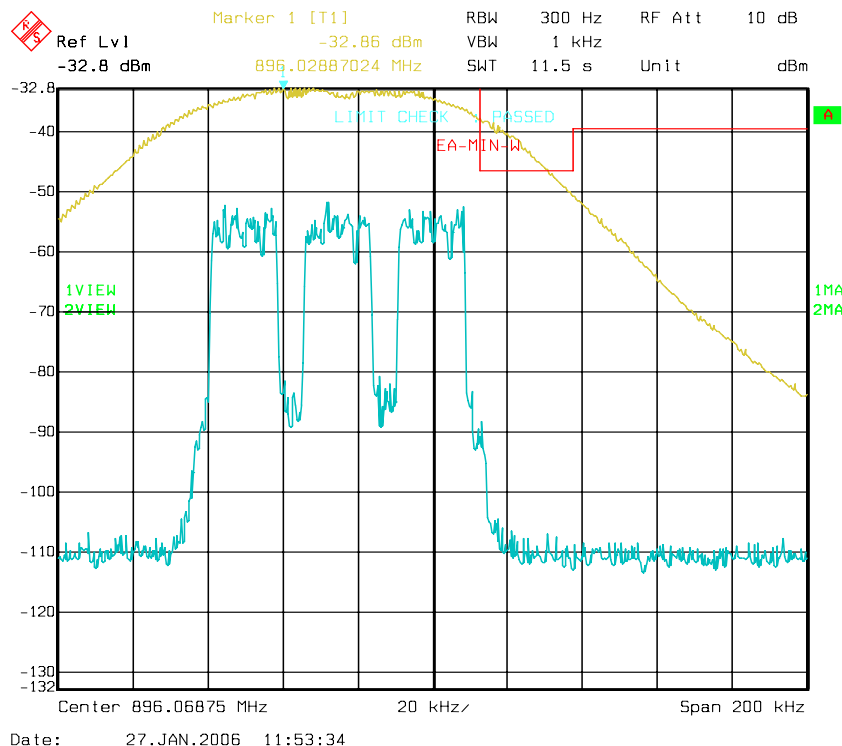


Figure 6a-2.10.6. WiDEN75 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

Marker 1 [T1]
-0.08 dBm
Ref Lvl -0.1 dBm
RBW 300 Hz
VBW 1 kHz
SWT 11.5 s
RF Att 20 dB
Unit dBm

896.04865982 MHz

LIMIT CHECK PASSED
EA MAX IN

1VIEW
2VIEW

Center 896.09375 MHz
20 kHz
Span 200 kHz

Date: 27.JAN.2006 12:52:41

Ref Lvl -34.2 dBm
 RBW 300 Hz
 VBW 1 kHz
 SWT 11.5 s
 RF Att 10 dB
 Unit dBm

Marker 1 [T1]
 -34.26 dBm
 896.04625501 MHz

LIMIT CHECK PASSED
 EA-MIN

1VIEW
 2VIEW
 1MA
 2MA

Center 896.09375 MHz
 20 kHz/
 Span 200 kHz

Date: 27.JAN.2006 13:01:22

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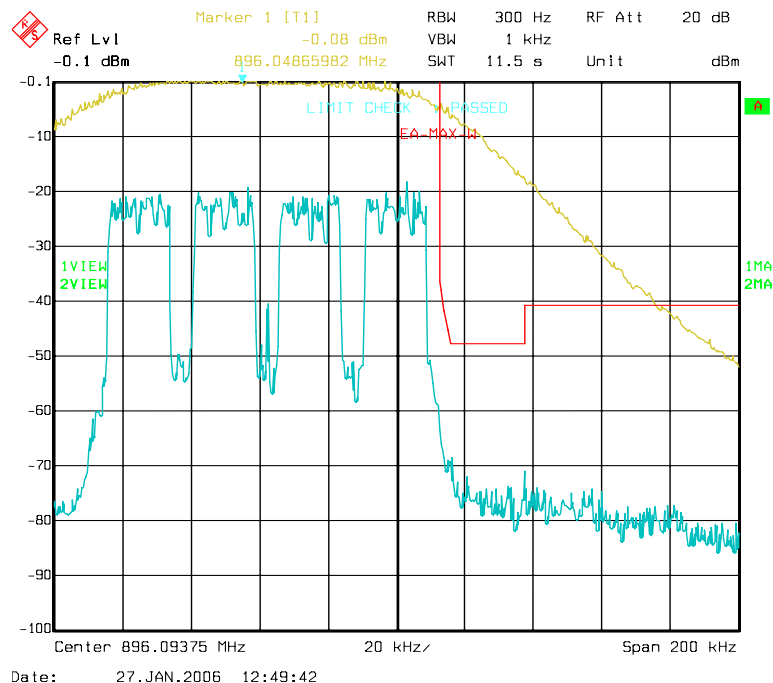


Figure 6a-2.11.3. WiDEN100 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

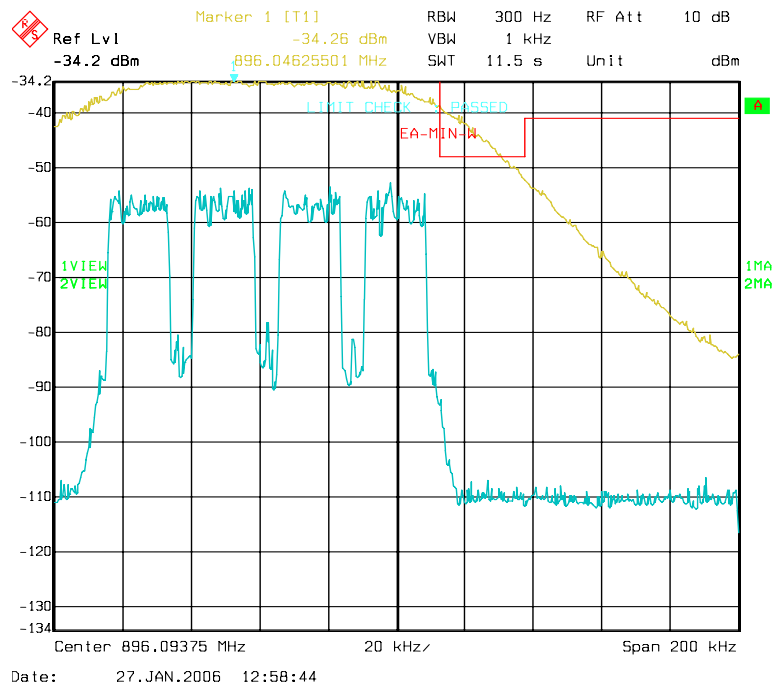


Figure 6a-2.11.4. WiDEN100 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

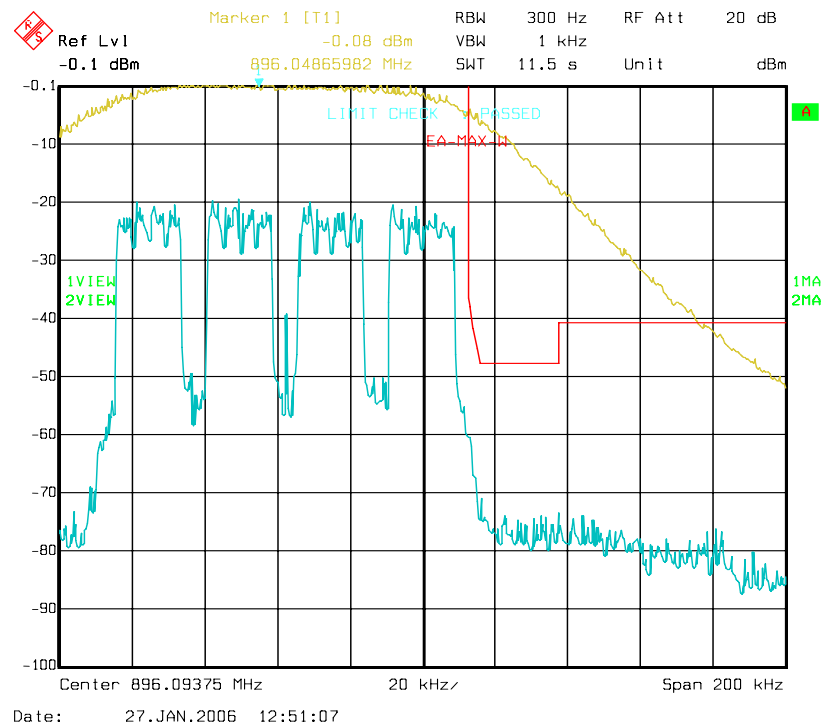


Figure 6a-2.11.5. WiDEN100 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

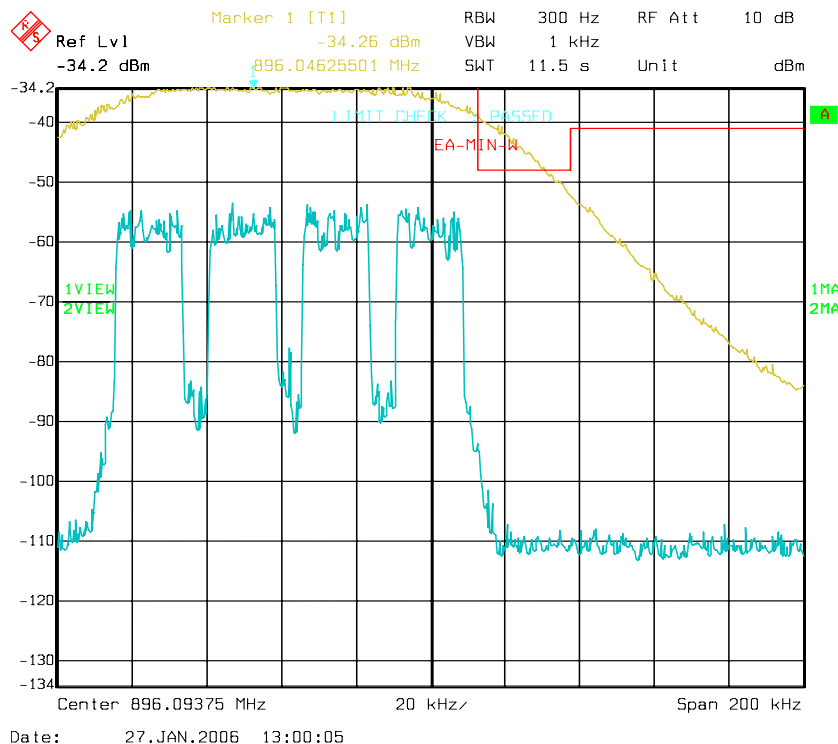


Figure 6a-2.11.6. WiDEN100 900 MHz Band, QAM64, Minimum Power, EA Emission Mask

Ref Lvl -1 dBm

Marker 1 [T1] -1.02 dBm

RBW 300 Hz RF Att 20 dB

VBW 1 kHz

SWT 11.5 s Unit dBm

LIMIT CHECK : PASSED

EA-MAX-W

1VIEW

2VIEW

1MA

2MA

Center 896.09375 MHz

20 kHz

Span 200 kHz

Date: 30.JAN.2006 09:15:41

Ref Lvl -35.1 dBm

Marker 1 [T1] -35.10 dBm

896.09314880 MHz

RBW 300 Hz

VBW 1 kHz

SWT 11.5 s

RF Att 10 dB

Unit dBm

EA-MIN-W

1VIEW

2MAX

Center 896.09375 MHz

20 kHz

Span 200 kHz

Date: 30.JAN.2006 09:27:53

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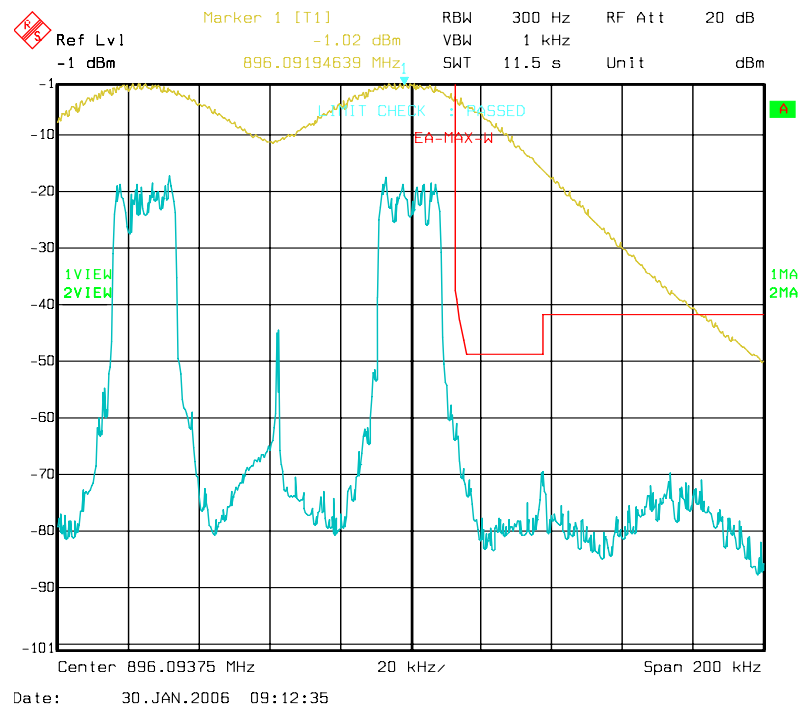


Figure 6a-2.12.3. WiDEN50_Split 900 MHz Band, QAM16, Maximum Power, EA Emission Mask

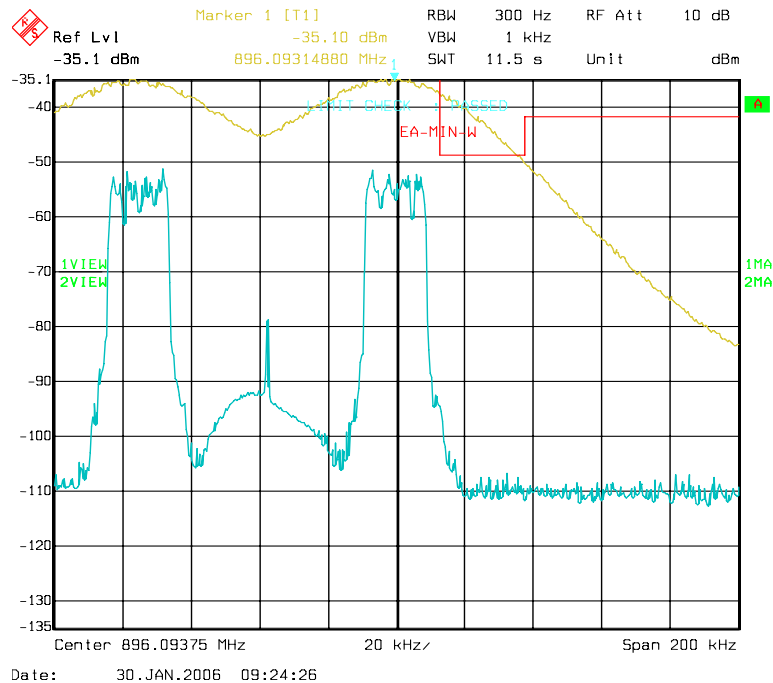


Figure 6a-2.12.4. WiDEN50_Split 900 MHz Band, QAM16, Minimum Power, EA Emission Mask

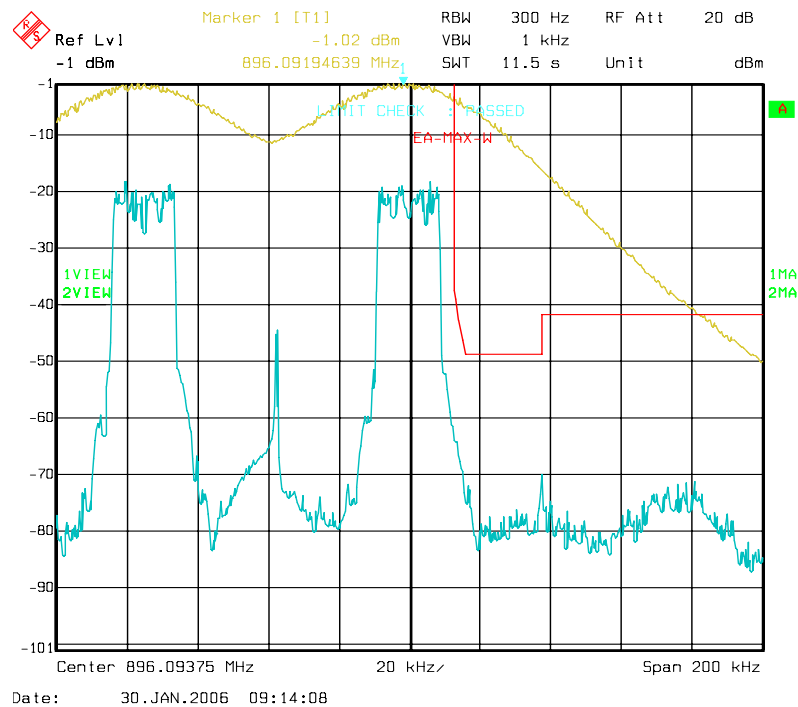


Figure 6a-2.12.5. WiDEN50_Split 900 MHz Band, QAM64, Maximum Power, EA Emission Mask

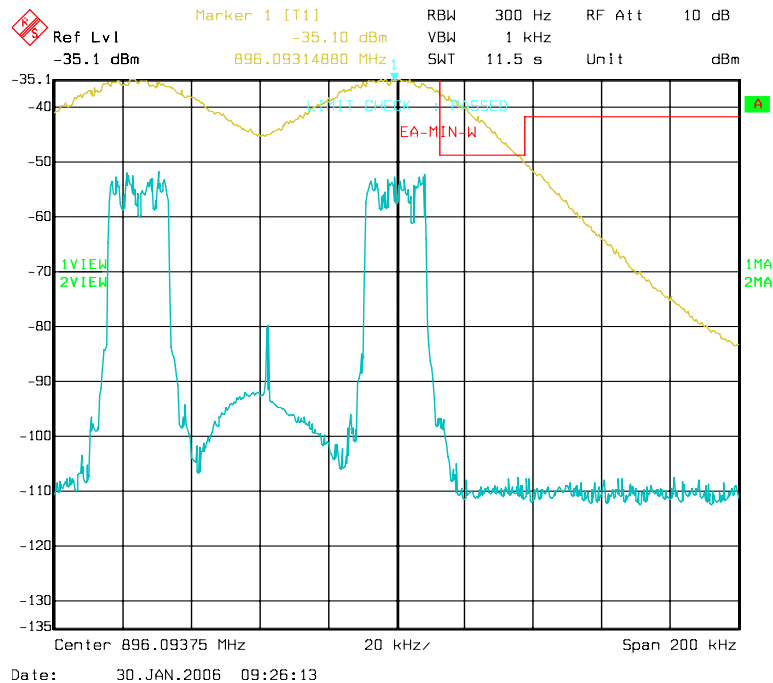


Figure 6a-2.12.6. WiDEN50_Split 900 MHz Band, QAM64, Minimum Power, EA Emission Mask