6.3.2 800 MHz Band WiDEN25 Operation Measured Data

FCC Limits

- Per 47CFR 90.210(g)
- Per EA SMR Emission Mask, 47 CFR 90.691(a)

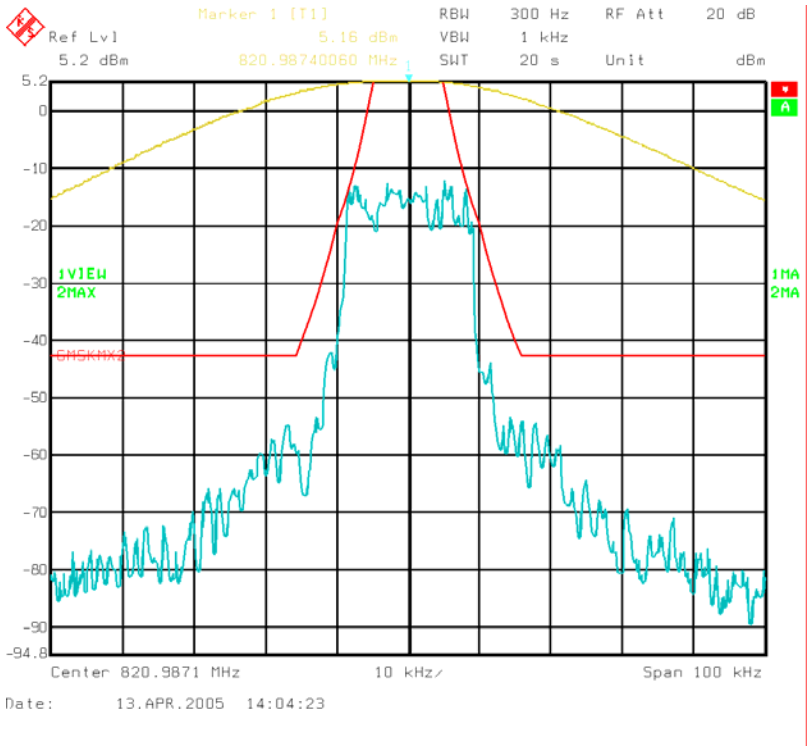

Figure 6-18: WiDEN25 quad-QPSK modulation performance relative to mask 47 CFR 90.210(g) (MAXIMUM POWER SETTING)

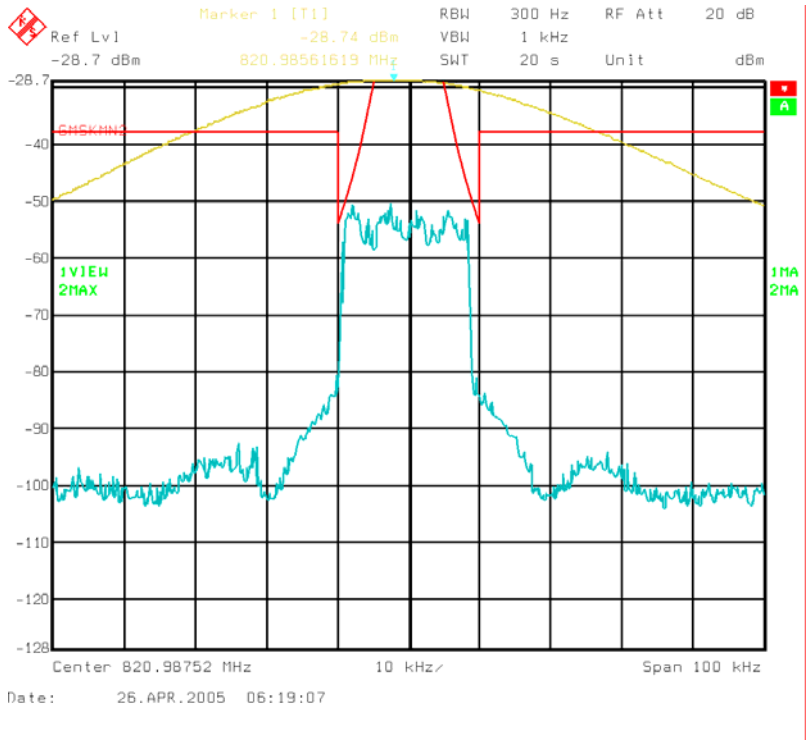

Figure 6-19: WiDEN25 quad-QPSK modulation performance relative to mask 47 CFR 90.210(g) (MINIMUM POWER SETTING)

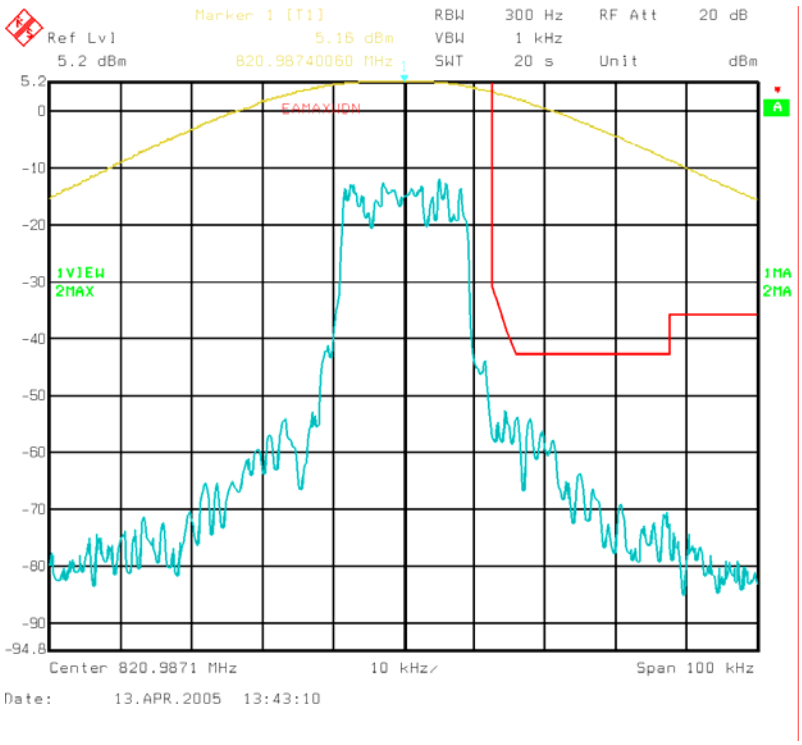

Figure 6-20: WIDEN25 quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

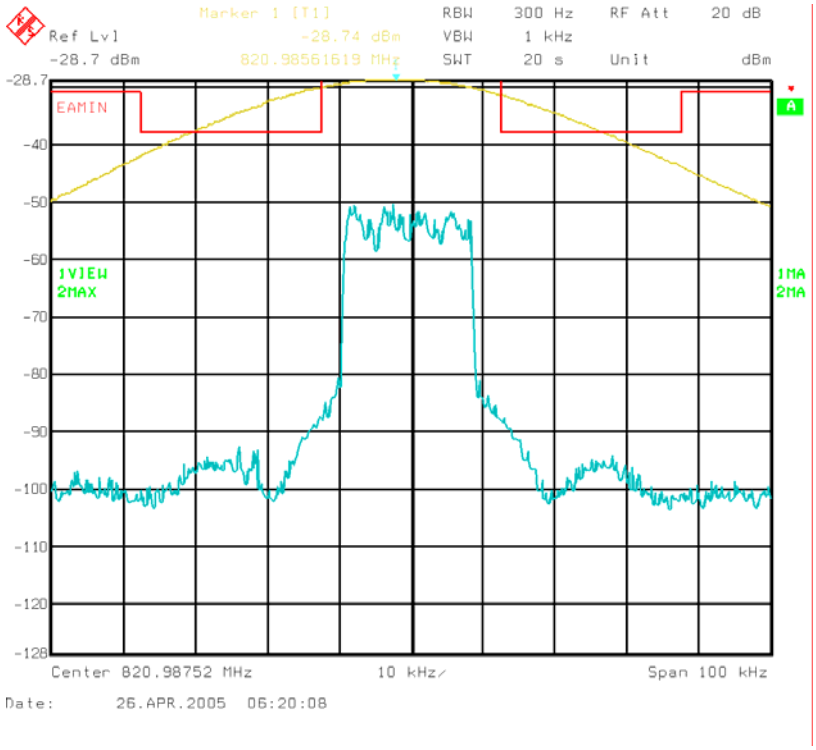

Figure 6-21: WiDEN25 quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

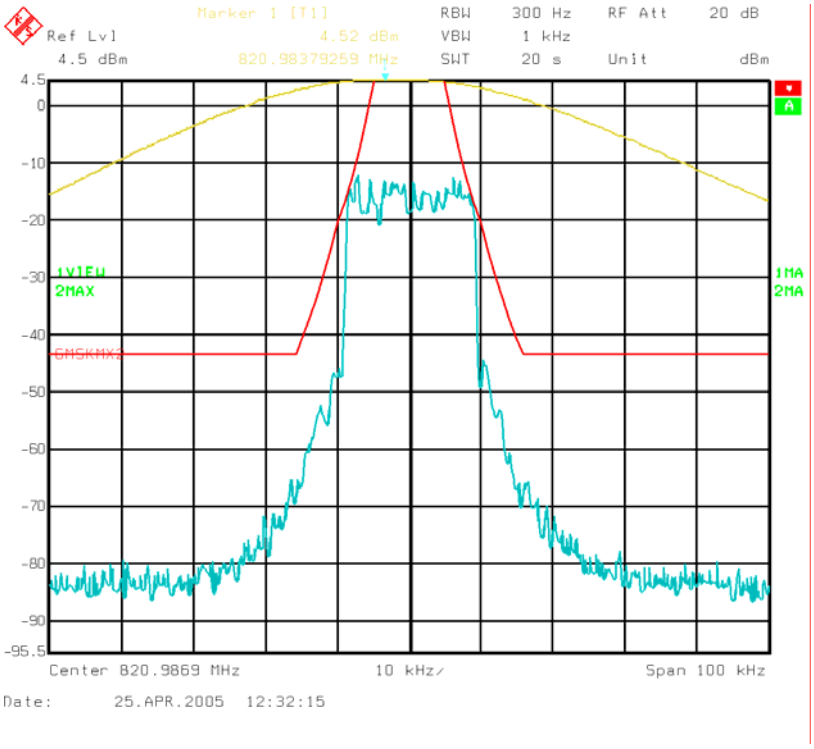

Figure 6-22: WiDEN25 quad-16QAM modulation performance relative to mask 47 CFR 90.210(g) (MAXIMUM POWER SETTING)

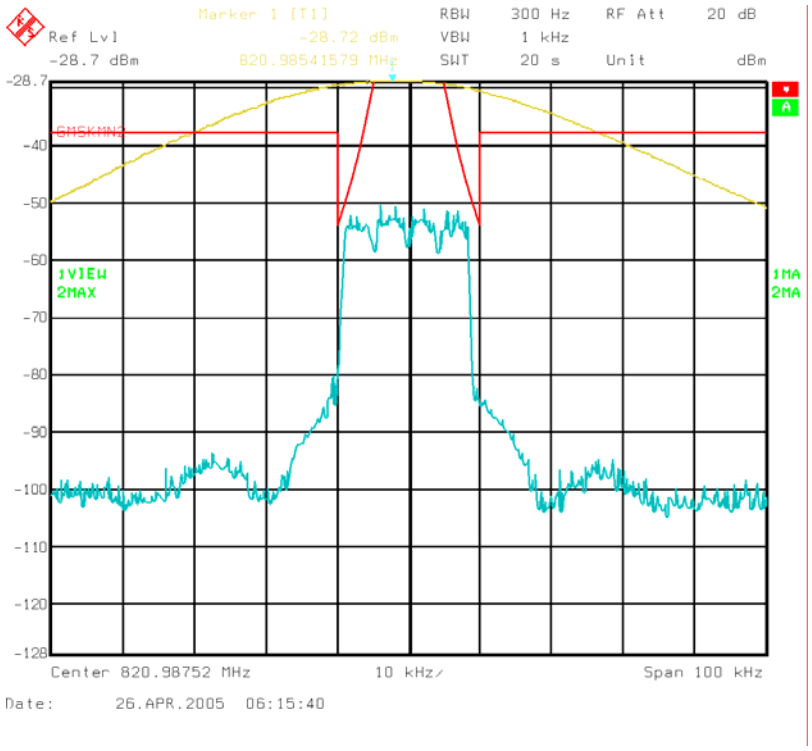

Figure 6-23: WiDEN25 quad-16QAM modulation performance relative to mask 47 CFR 90.210(g) (MINIMUM POWER SETTING)

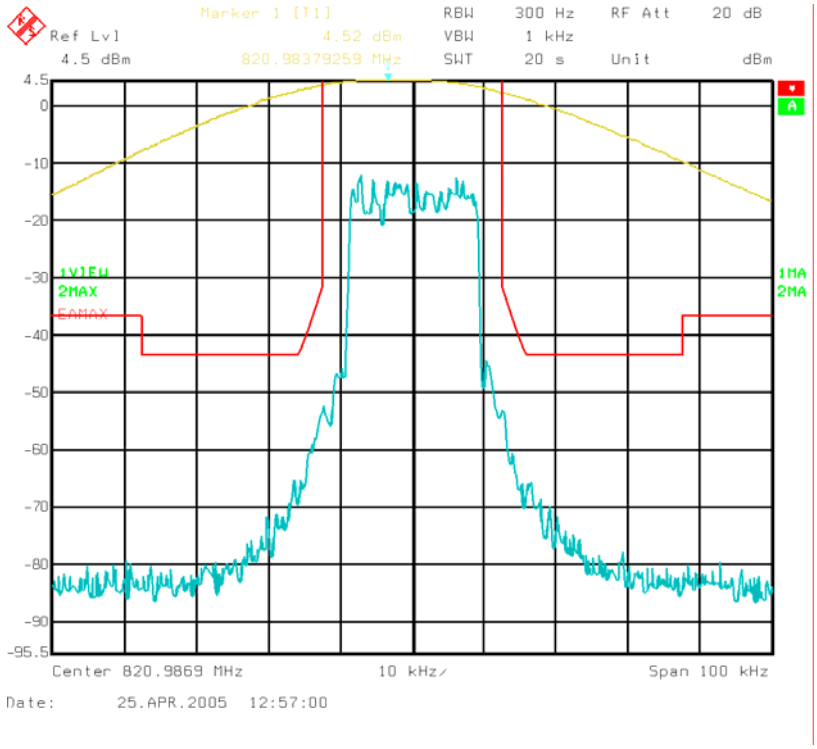

Figure 6-24: WiDEN25 quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

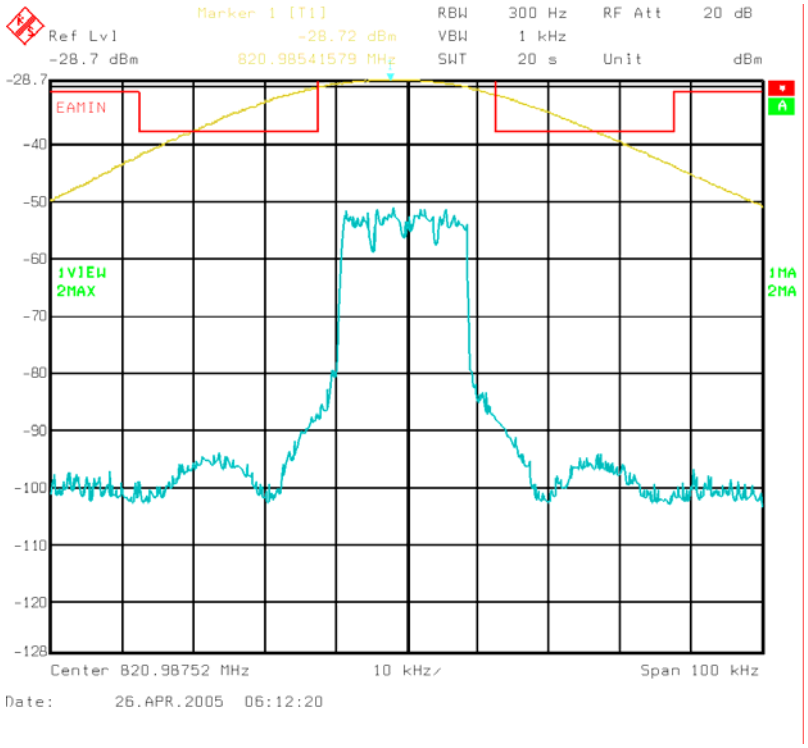

Figure 6-25: WiDEN25 quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

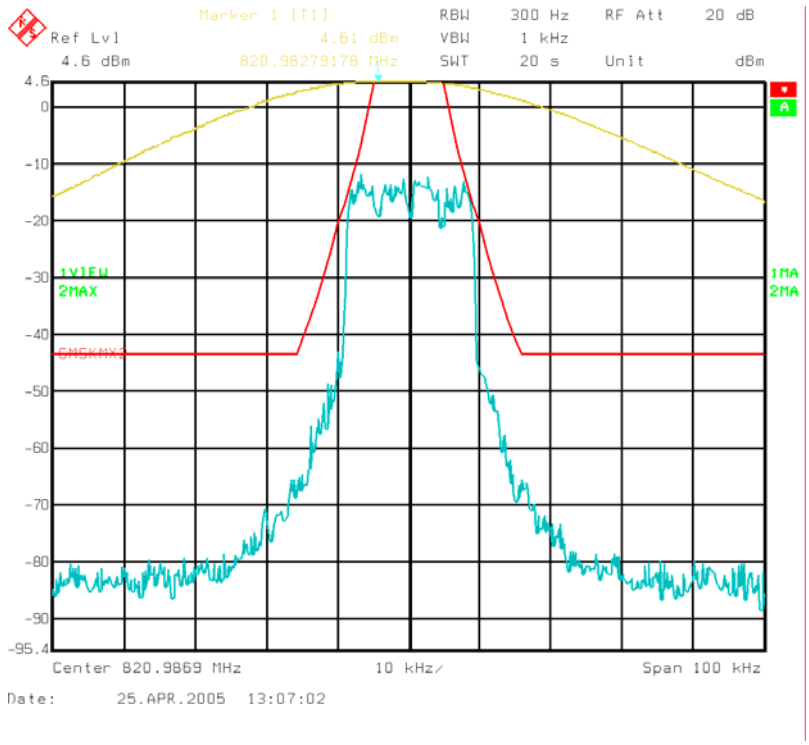

Figure 6-26: WiDEN25 quad-64QAM modulation performance relative to mask 47 CFR 90.210(g) (MAXIMUM POWER SETTING)

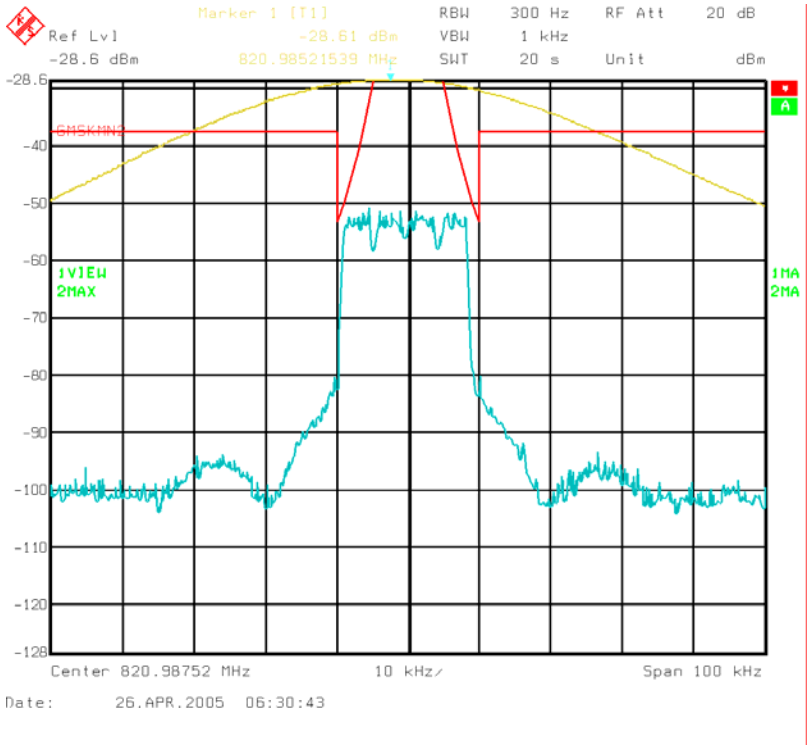

Figure 6-27: WiDEN25 quad-64QAM modulation performance relative to mask 47 CFR 90.210(g) (MINIMUM POWER SETTING)

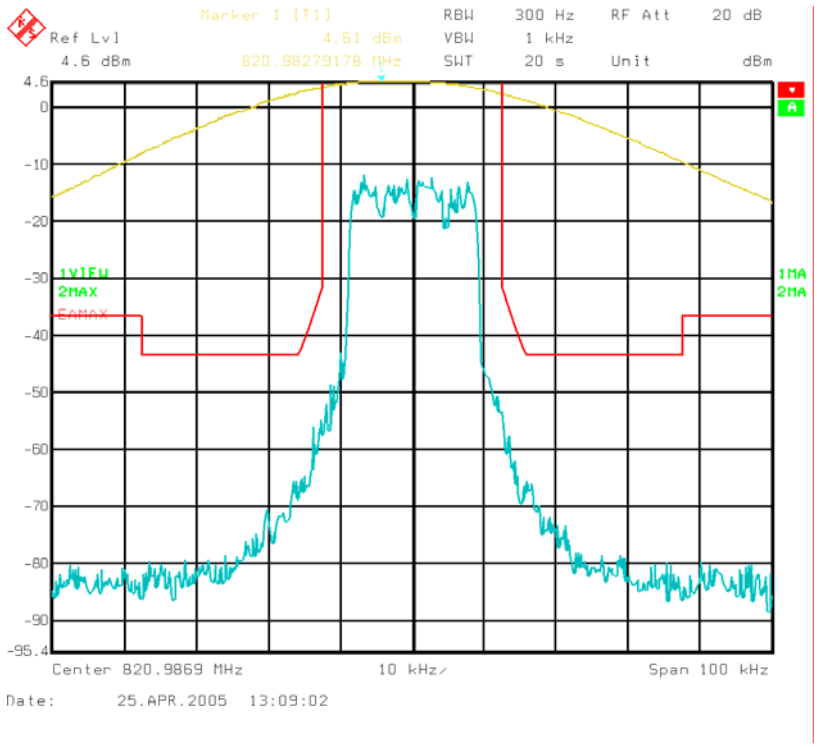

Figure 6-28: WiDEN25 quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

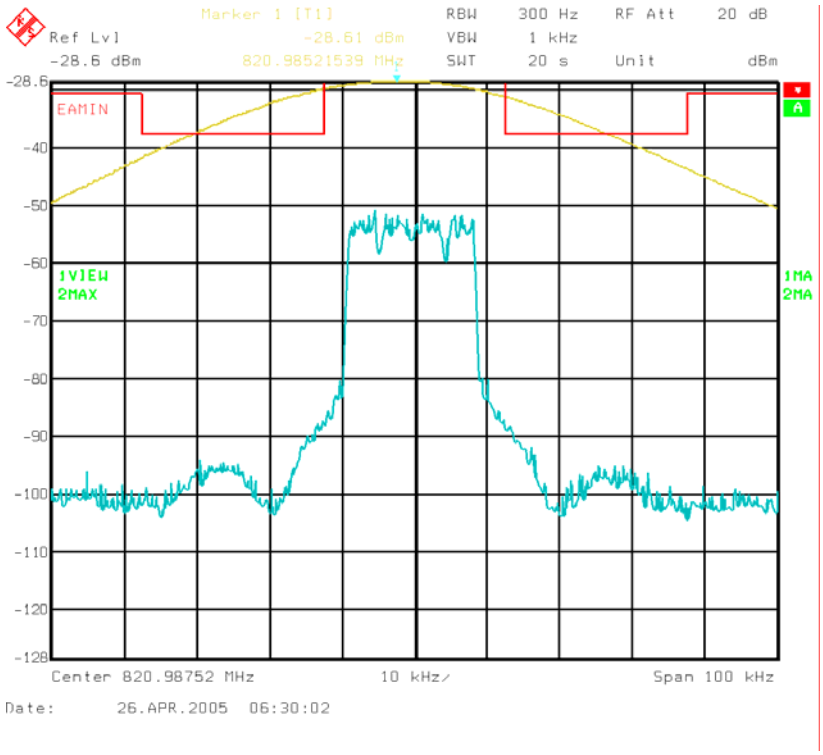

Figure 6-29: WiDEN25 quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

6.3.3 800 MHz Band Operation Measured Data – Emission Designator 43K3D7D

FCC Limits

- Per EA SMR Emission Mask, 47 CFR 90.691(a)

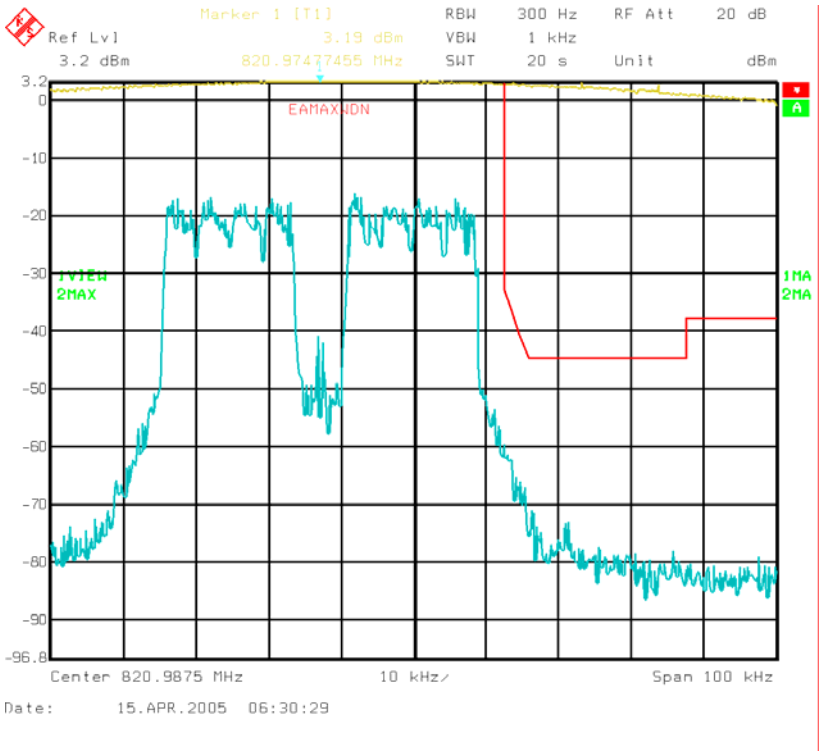

Figure 6-30: WIDEN50 continuous quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

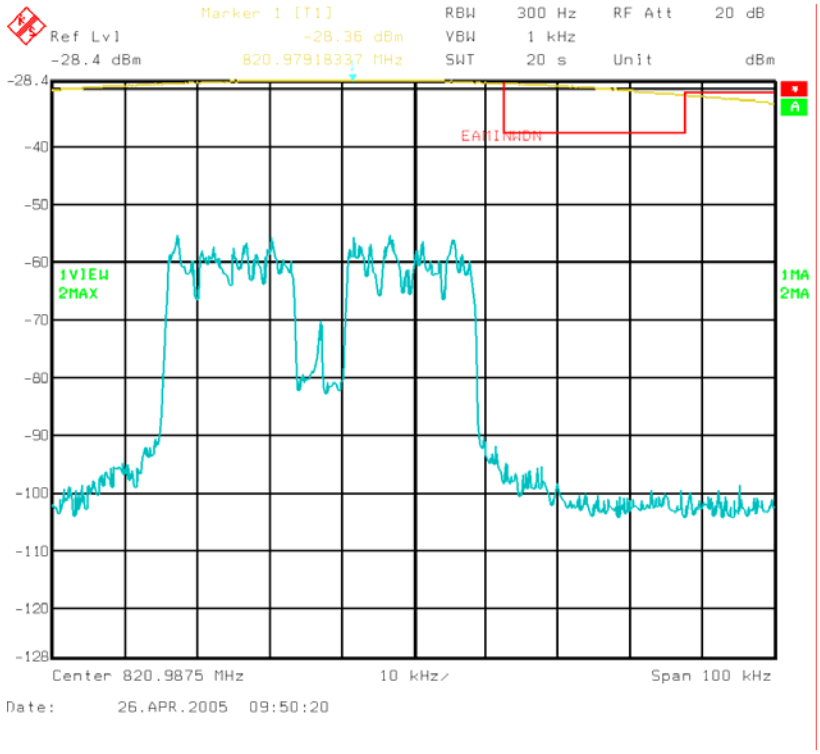

Figure 6-31: WiDEN50 continuous quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

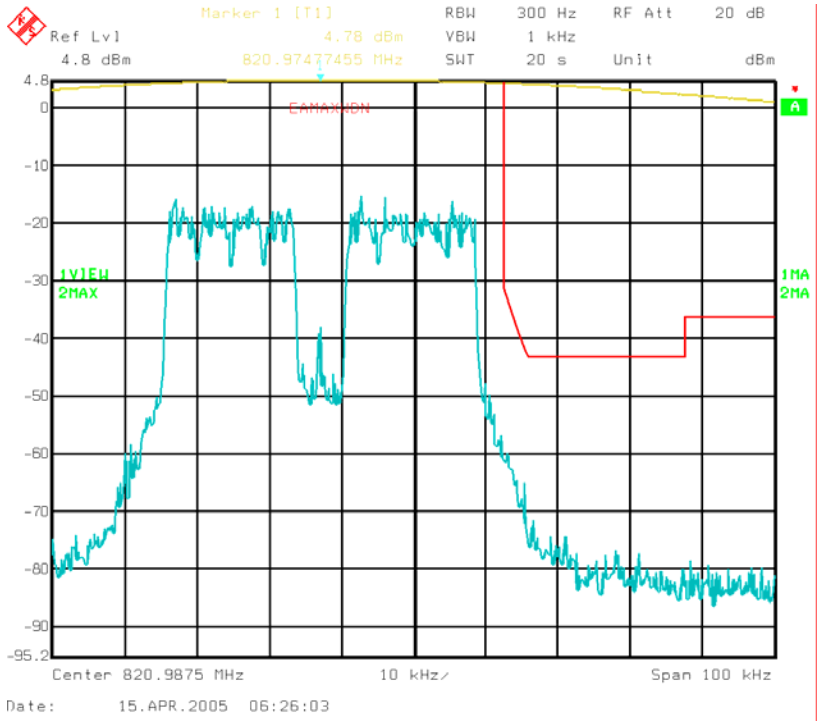

Figure 6-32: WiDEN50 continuous quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

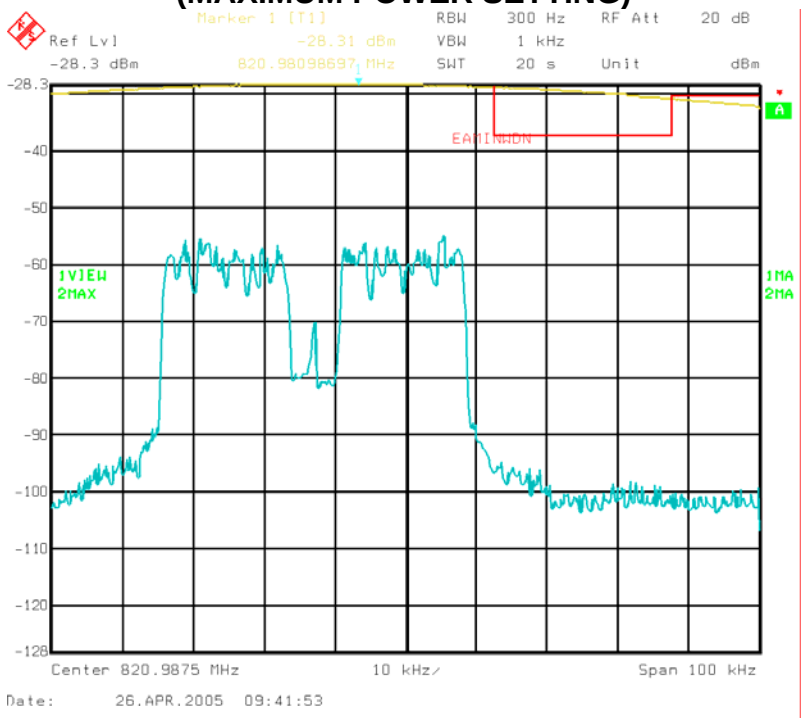

Figure 6-33: WiDEN50 continuous quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

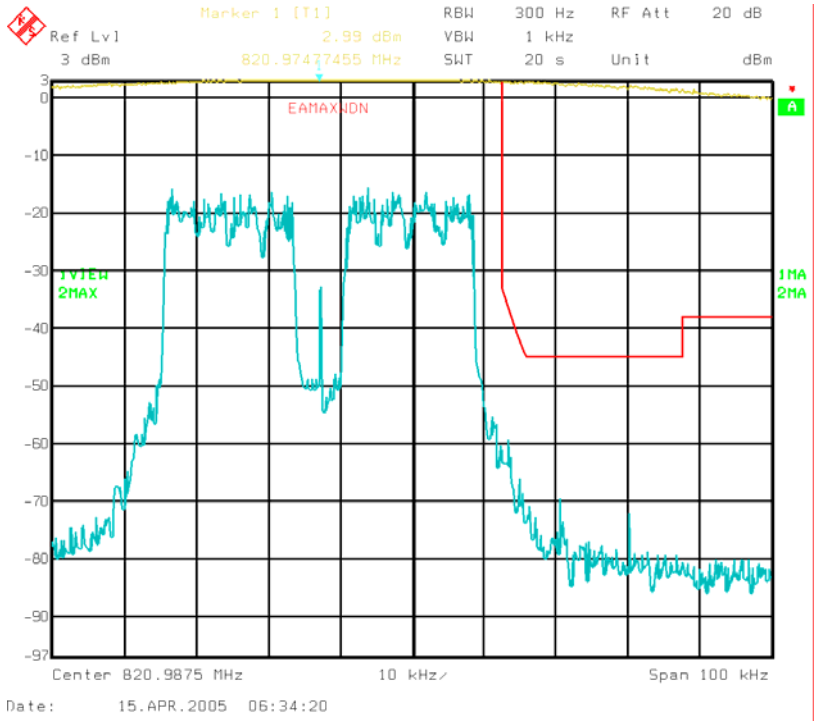

Figure 6-34: WiDEN50 continuous quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

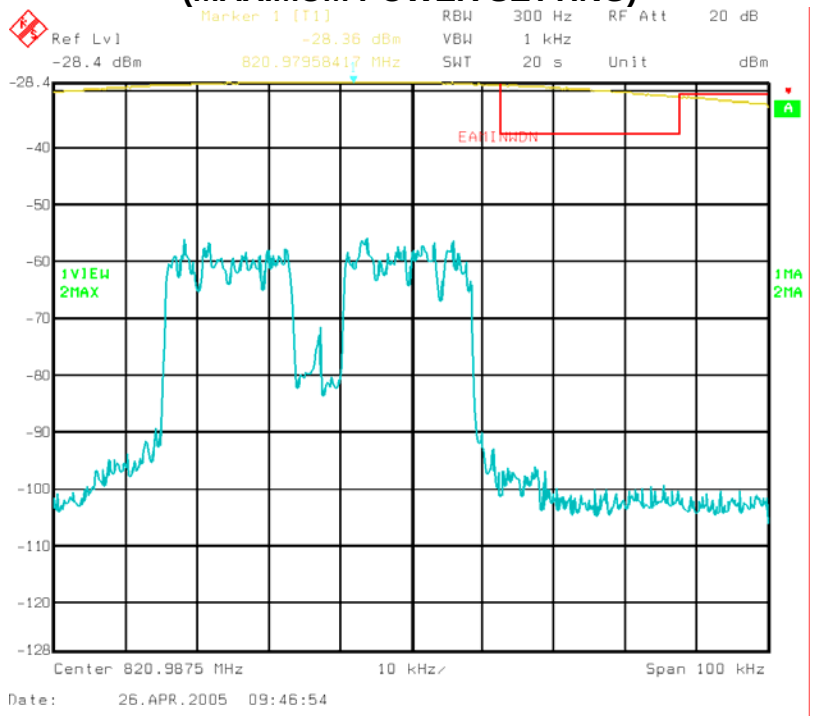

Figure 6-35: WiDEN50 continuous quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

6.3.4 800 MHz Band Operation Measured Data – Emission Designator 68K3D7D

FCC Limits

- Per EA SMR Emission Mask, 47 CFR 90.691(a)

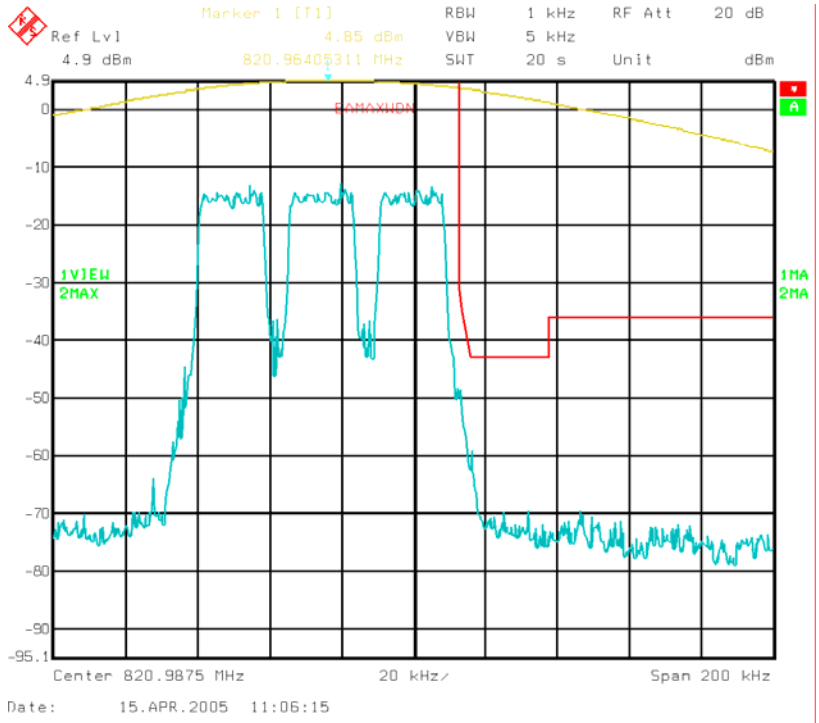

Figure 6-36: WIDEN75 continuous quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

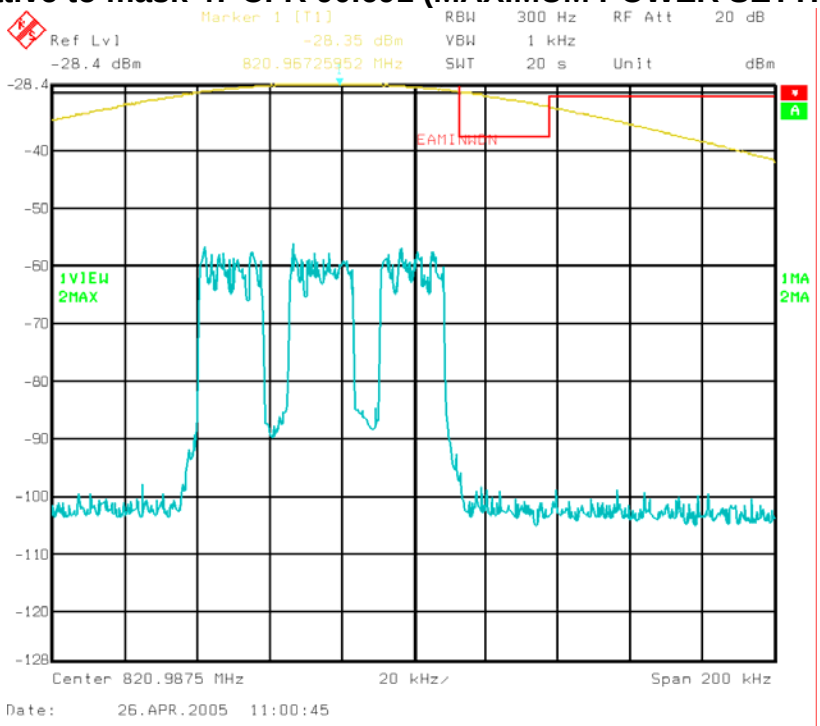

Figure 6-37: WiDEN75 continuous quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

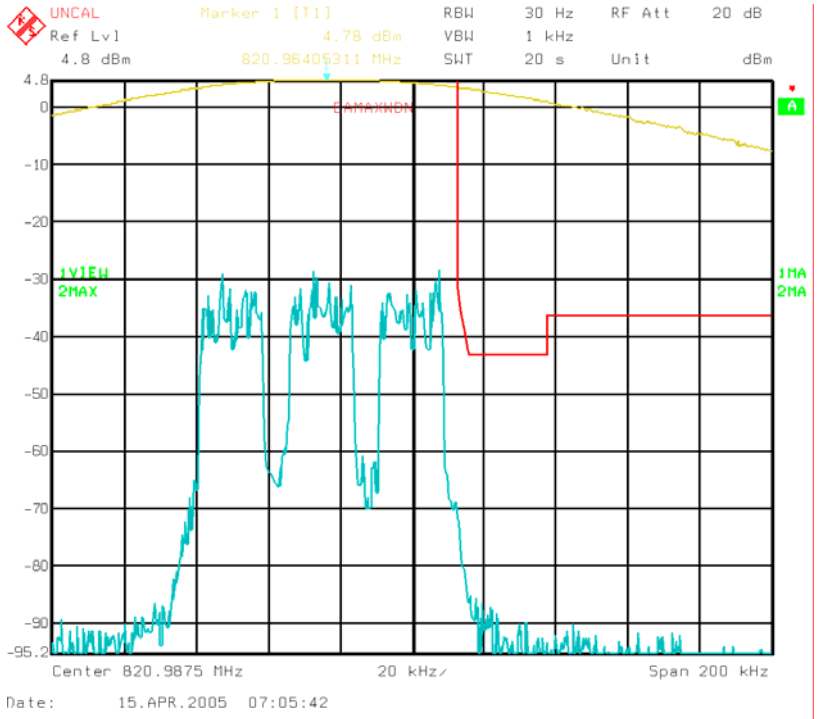

Figure 6-38: WiDEN75 continuous quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

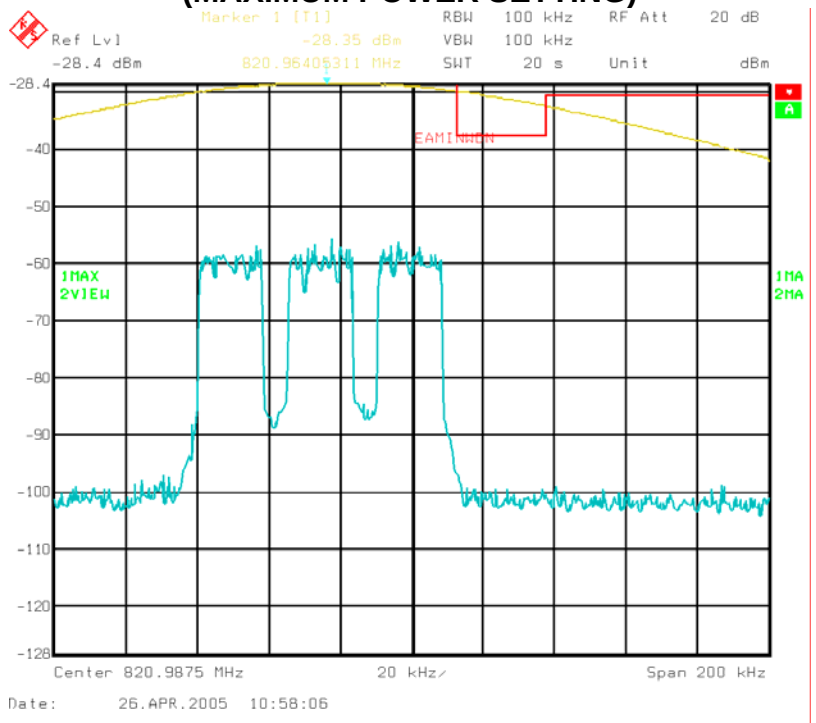

Figure 6-39: WiDEN75 continuous quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

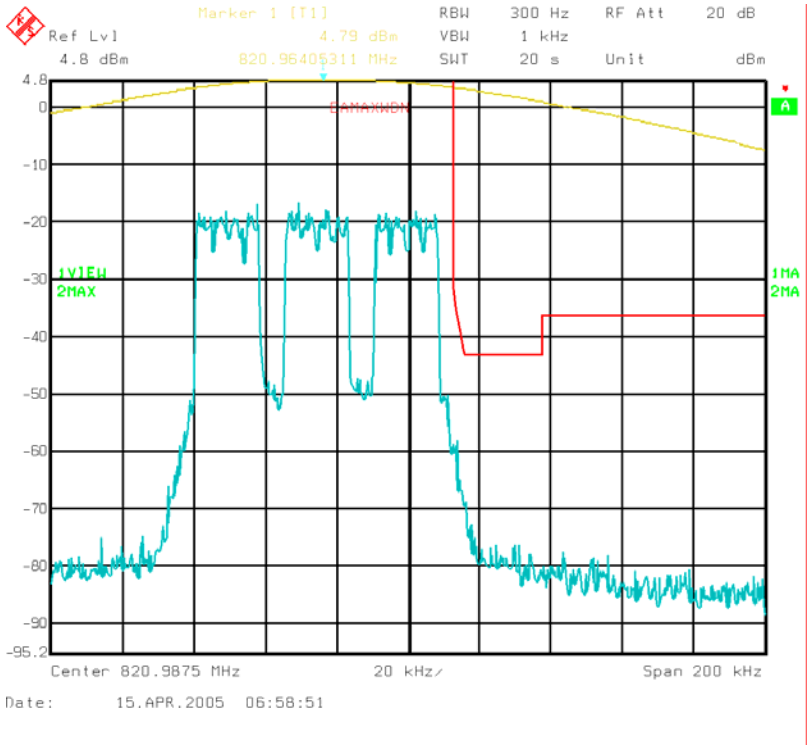

Figure 6-40: WiDEN75 continuous quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

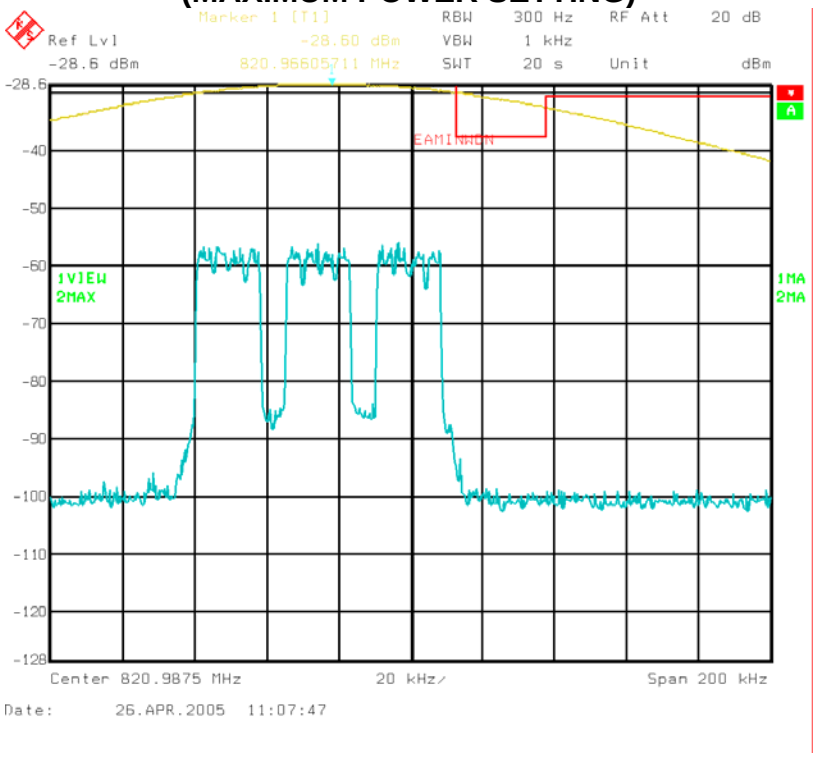

Figure 6-41: WiDEN75 continuous quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

6.3.5 800 MHz Band Operation Measured Data – Emission Designator 93K3D7D

FCC Limits

- Per EA SMR Emission Mask, 47 CFR 90.691(a)

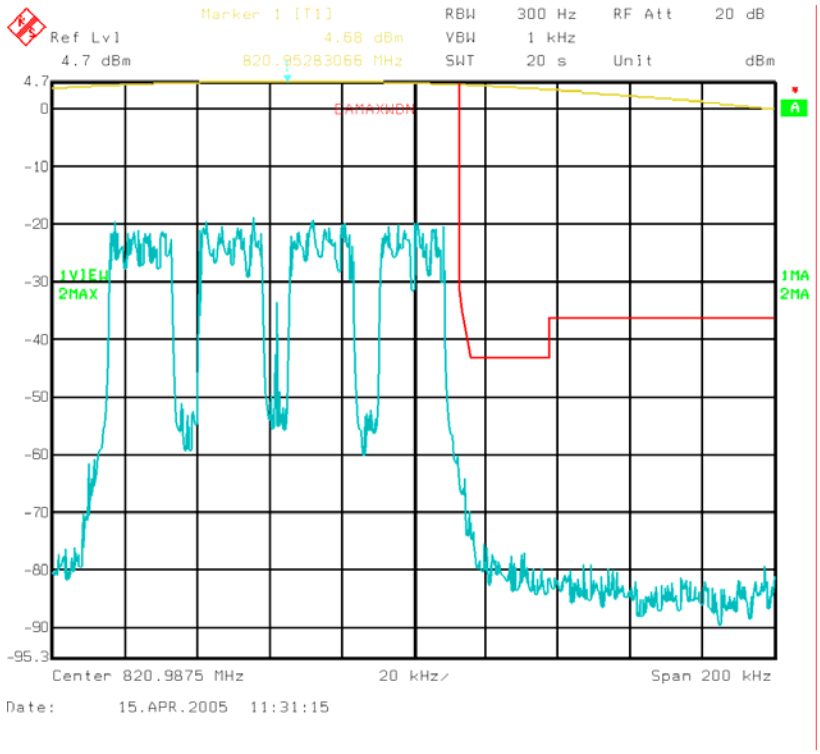

Figure 6-42: WIDEN100 continuous quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

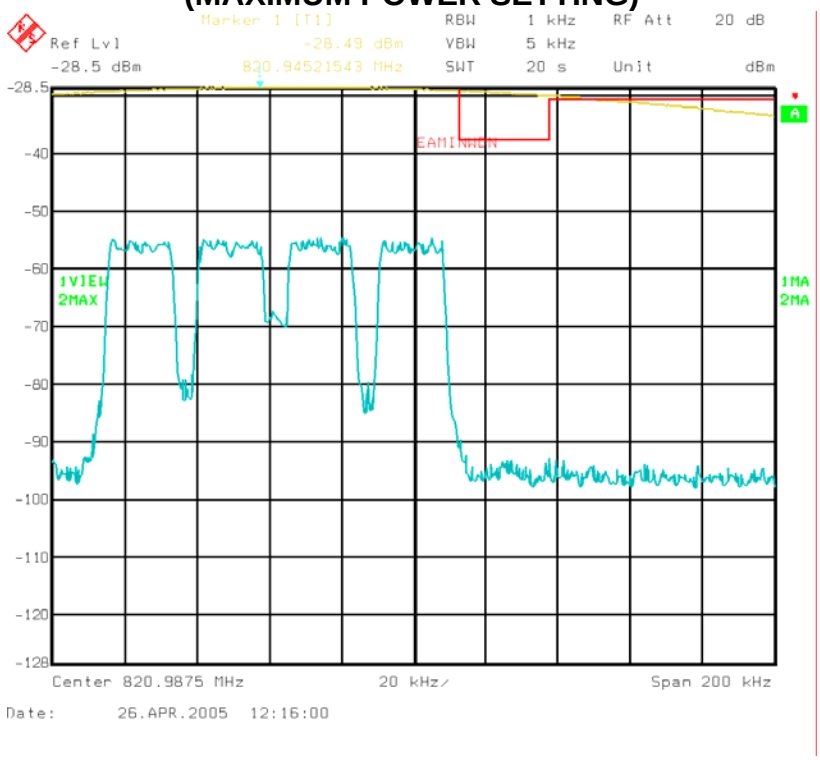

Figure 6-43: WiDEN100 continuous quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

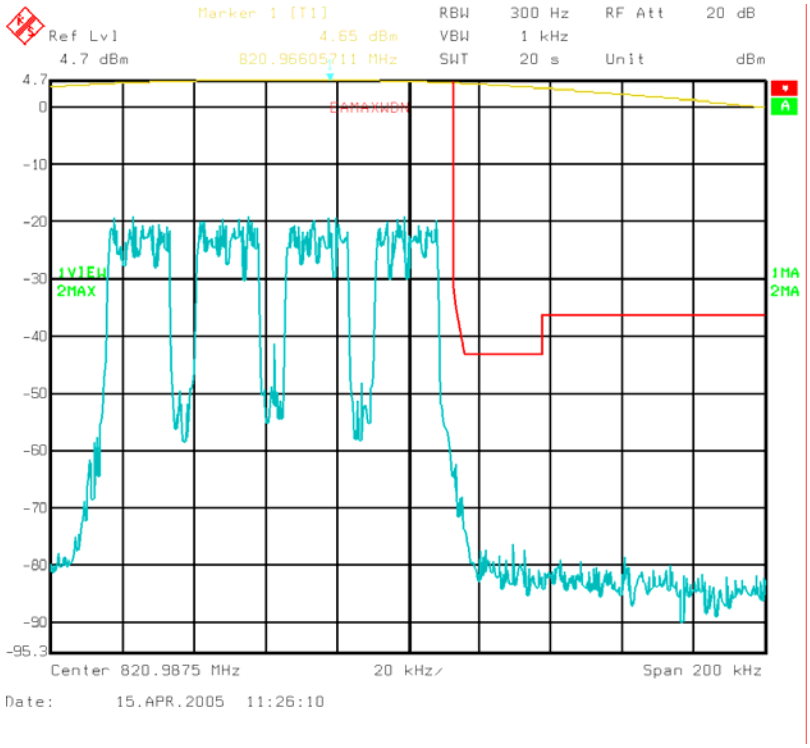

Figure 6-44: WiDEN100 continuous quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

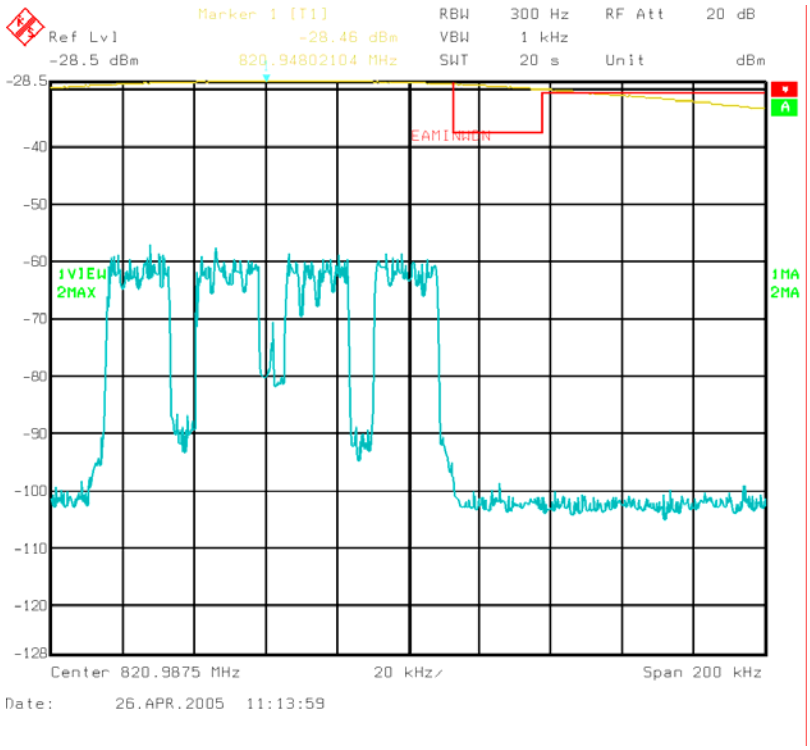

Figure 6-45: WiDEN100 continuous quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

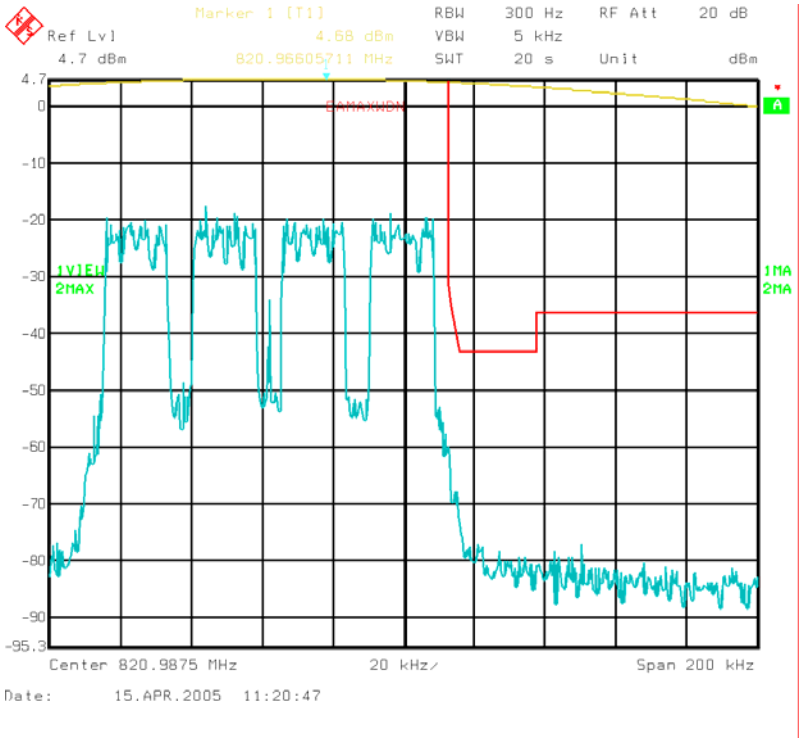

Figure 6-46: WiDEN100 continuous quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

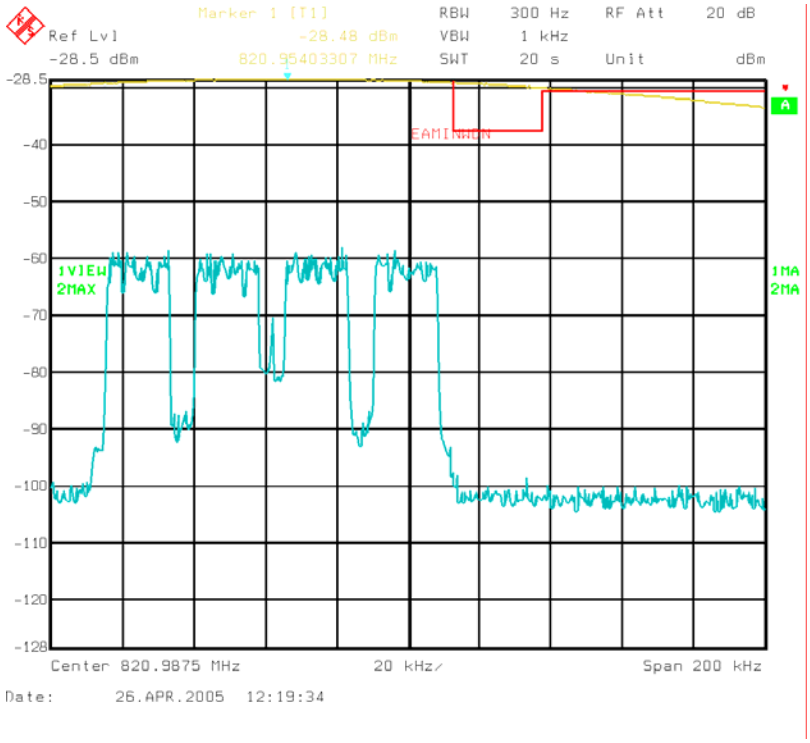

Figure 6-47: WiDEN100 continuous quad-64QAM Modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

6.3.6 800 MHz Band WiDEN50 Split Operation Measured Data

FCC Limits

- Per EA SMR Emission Mask, 47 CFR 90.691(a)

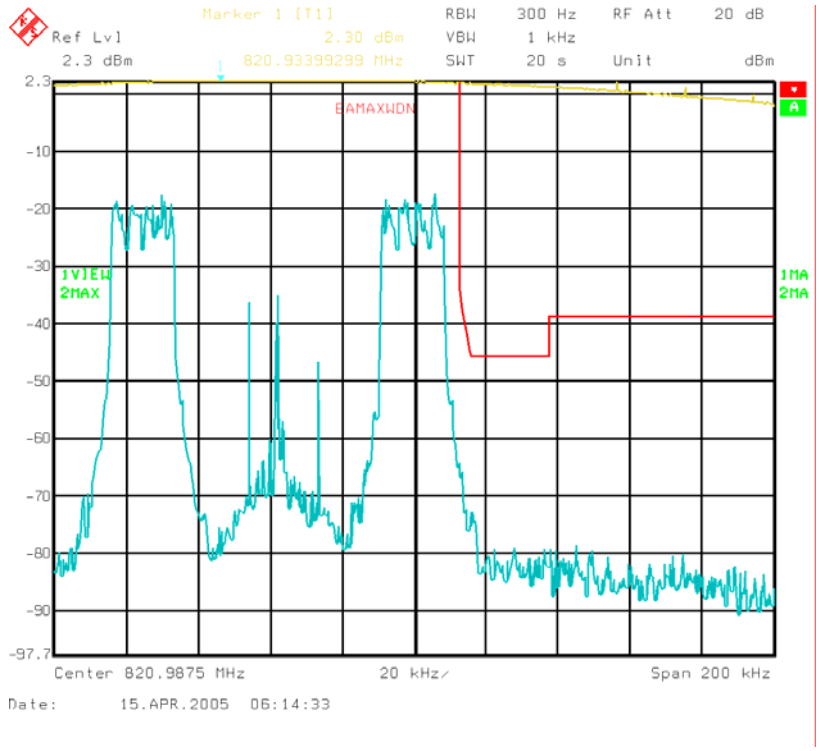

Figure 6-48: WIDEN50 split quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

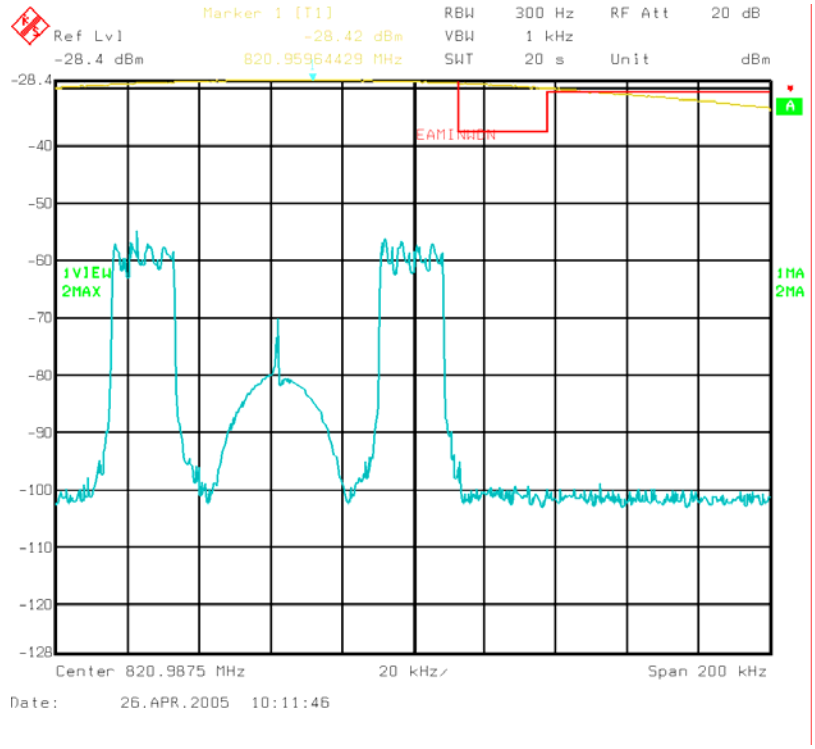

Figure 6-49: WiDEN50 split quad-QPSK modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

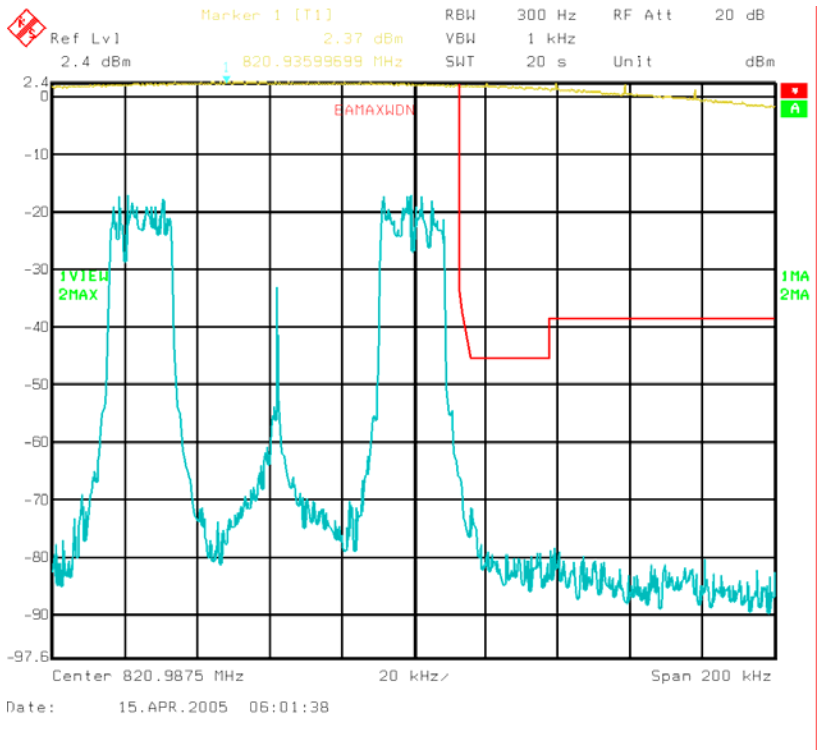

Figure 6-50: WiDEN50 split quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

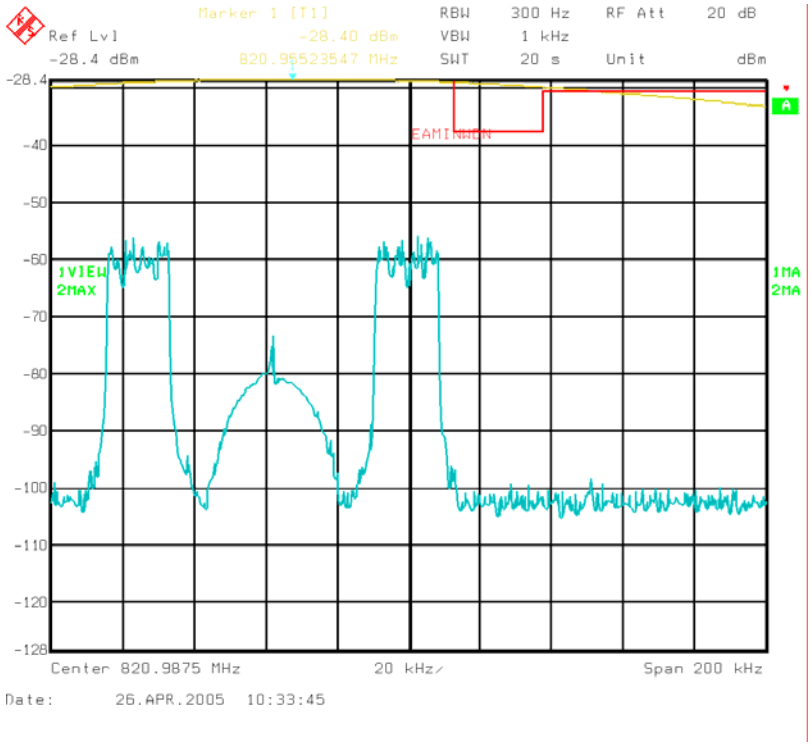

Figure 6-51: WiDEN50 split quad-16QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)

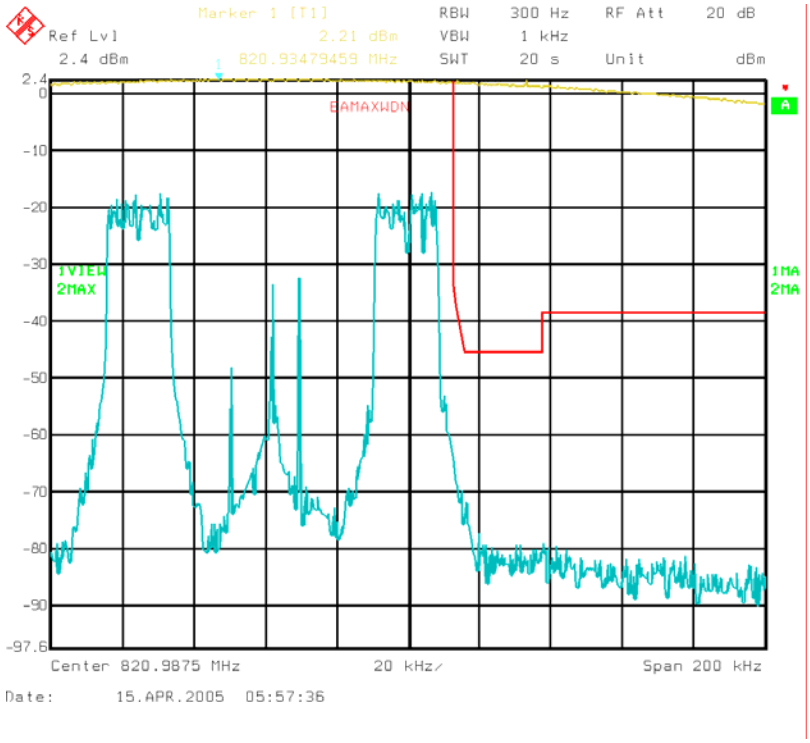

Figure 6-52: WiDEN50 split quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MAXIMUM POWER SETTING)

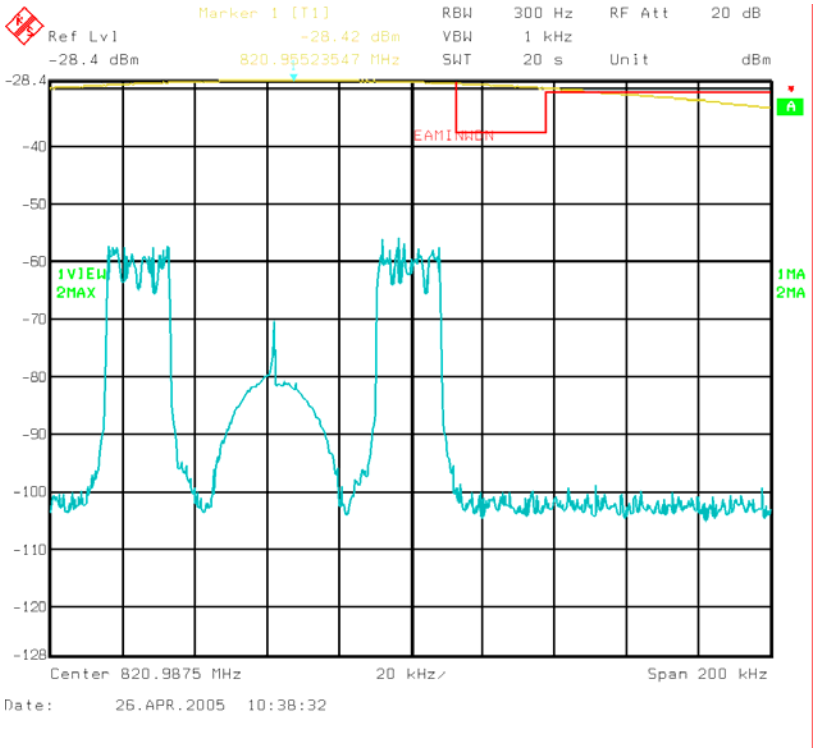

Figure 6-53: WiDEN 50 split quad-64QAM modulation performance relative to mask 47 CFR 90.691 (MINIMUM POWER SETTING)