

Exhibit 6b. Part 24 Measured Data -- Pursuant 47 CFR. 2.1041

6b.1 Portable Transmitter Power

The transmitter is a variable power type used in a Narrowband PCS system. Output power (as defined in 47 CFR 24.132) is dynamically controlled as described in Exhibit 12.

6b.1.1 Maximum Output Power Rating -- Pursuant 47 CFR 2.1033(c)(7) and 24.132(a)

Maximum output power rating: 1100 milliwatts (30.41 dBm), pulse average power. Output power will vary from 0.4 to 1100 milliwatts (pulse average power).

Note 1: Nominal output power rating: 1000 milliwatts (30.0 dBm) (Pulse average power).

Note 2: These ratings are compliant with the FCC maximum of 7 watts ERP for Mobile stations.

Note 3: The term pulse average power is used to specify the power that would be measured during the intervals of recurrent TDM transmission pulses by an average responding RF power meter. Power expressed in this manner is independent of the TDM duty cycle, and facilitates RF system coverage analysis.

6b.1.2 Operating output power range -- Pursuant 47 CFR 2.1033(c)(6)

Maximum tuned output power will vary over a range of 900 to 1100 milliwatts (maximum pulse average power) to a minimum power of 34 dB below maximum tuned output power.

Measured results:

Band	Frequency	Tx measured Power
901	901.98125	30.372dBm

Table 6b1.2-1 Measured Power Output for 800 and 900 MHz SMR bands

6b.1.3 DC power used by final amplifier device -- Pursuant 47 CFR 2.1033(c)(8)

The DC current and the RF output power was measured with a special RF/DC test fixture set to supply the radio with the nominal battery voltage of 8V. The characteristics were measured during a transmission pulse and are listed in the Table below.

The DC current in the table below is only that used by the final amplifier device.

Characteristics	901.5 MHz	
	maximum	minimum
DC Voltage (Volts)	8	8
DC Current (mA)	653	263
Output Power (mW)	1100	0.4

Table 6b.1.3-2 Final Amplifier DC characteristics for 901 - 902 MHz bands

6b.1.4 Measuring Equipment

1.Power Meter:	Boonton	4532	Date cal: 26-Dec-07	Due cal: 26-Dec-08
2.Power Supply:	Agilent	E3634A	Date cal: 26-Dec-07	Due cal: 26-Dec-08

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)

All performance results passed the respective masks, as shown below.

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

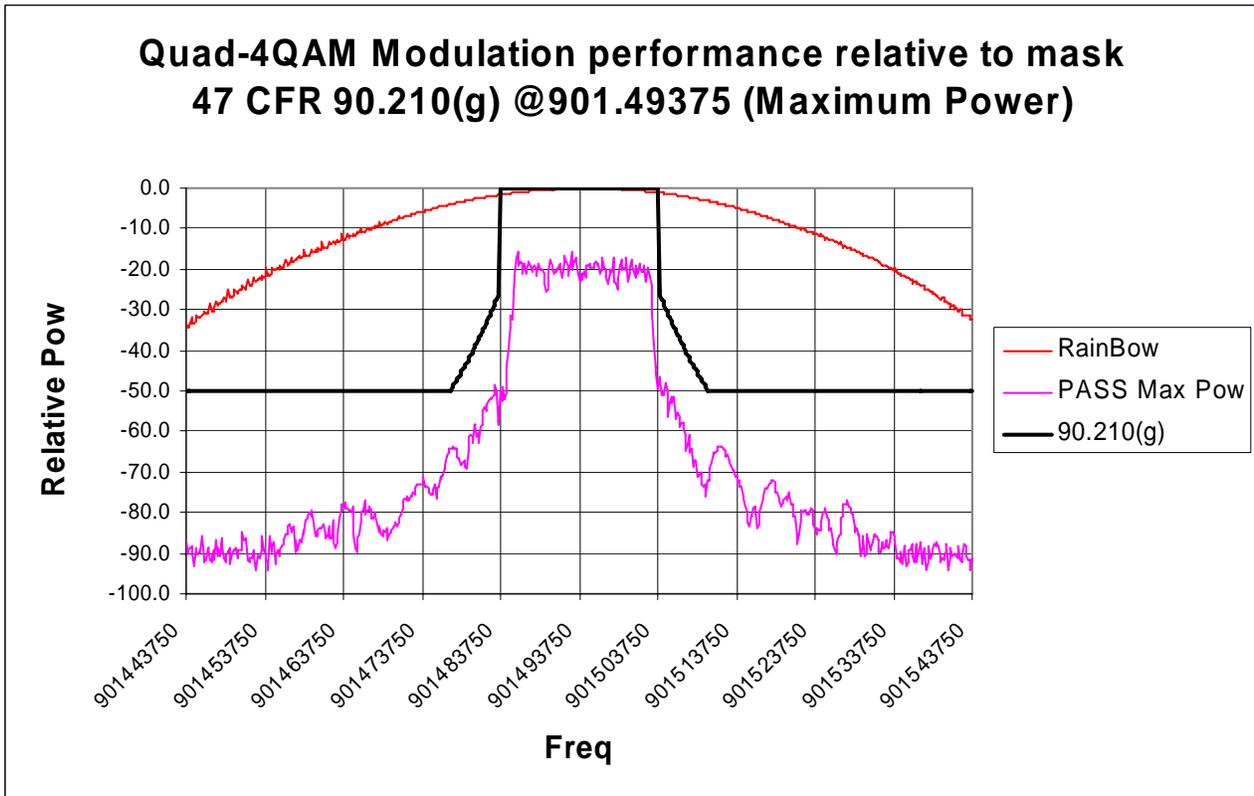


Figure 6b.2.1.1 iDEN NBPCS Band, QPSK; Occupied Bandwidth.

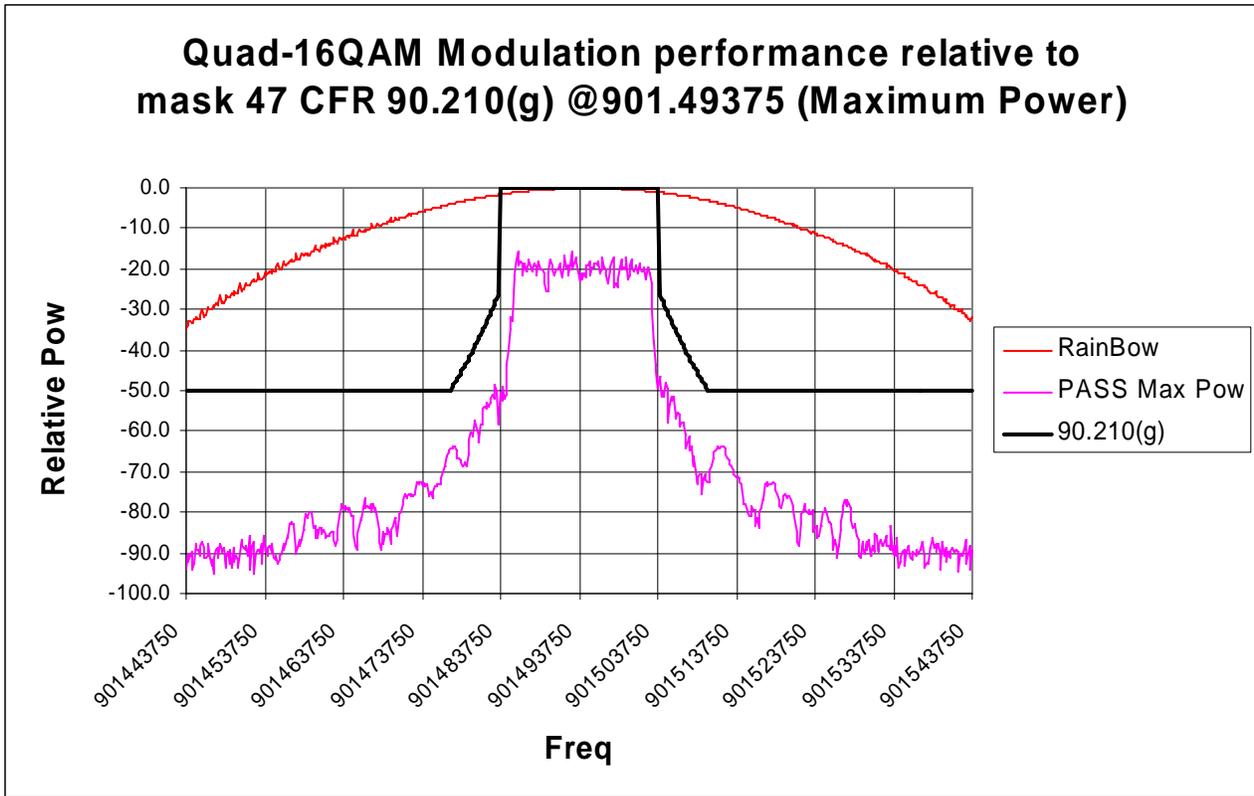


Figure 6b.2.1.2. iDEN NBPCS Band, Quad-16QAM; Occupied Bandwidth

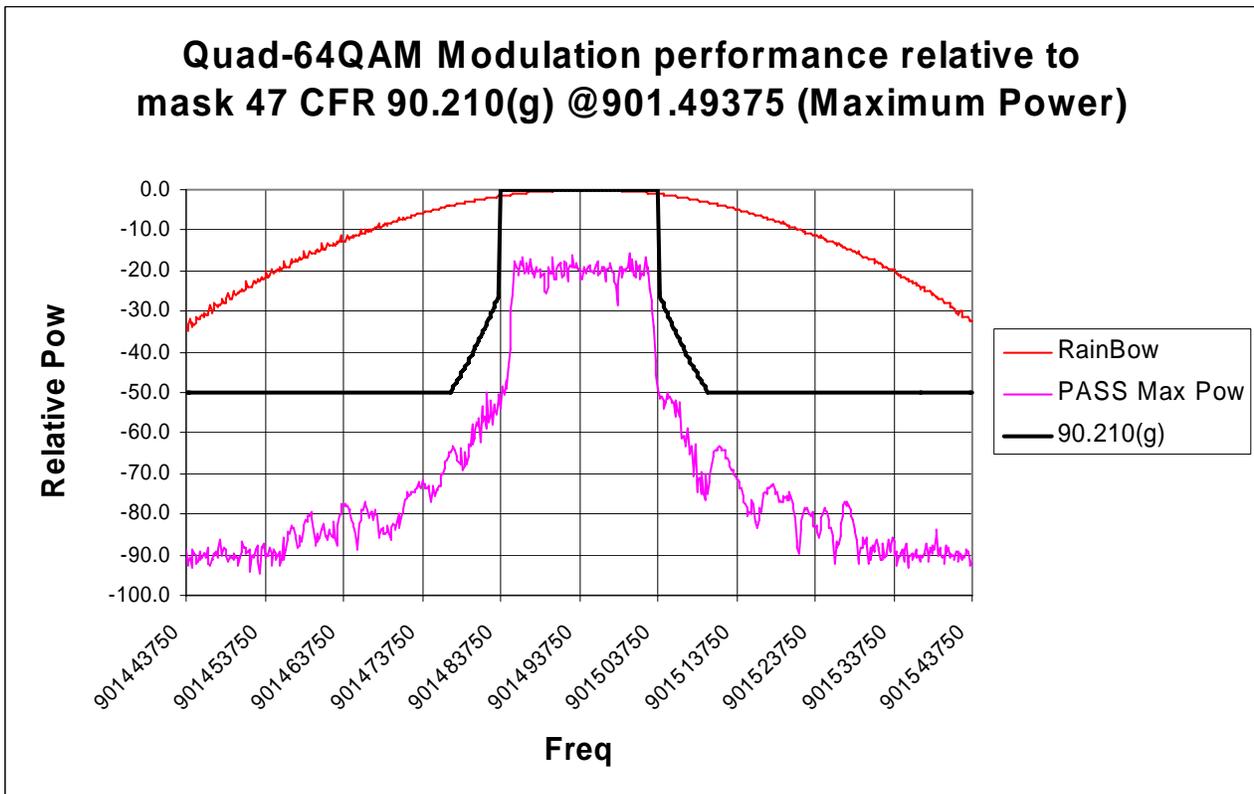


Figure 6b.2.1.3. iDEN NBPCS Band, Quad- 64QAM; Occupied Bandwidth

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

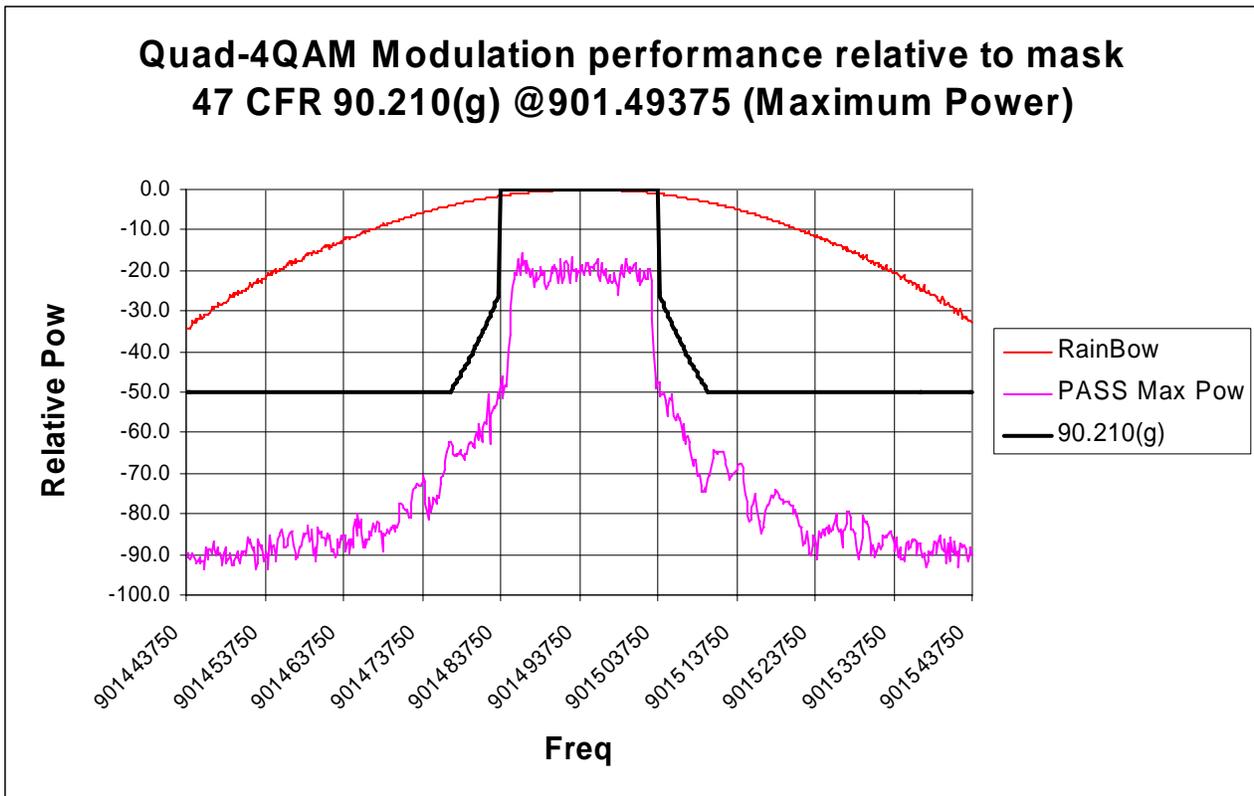


Figure 6b.2.2.1. WiDEN 25 NBPCS Band, QPSK, Occupied Bandwidth

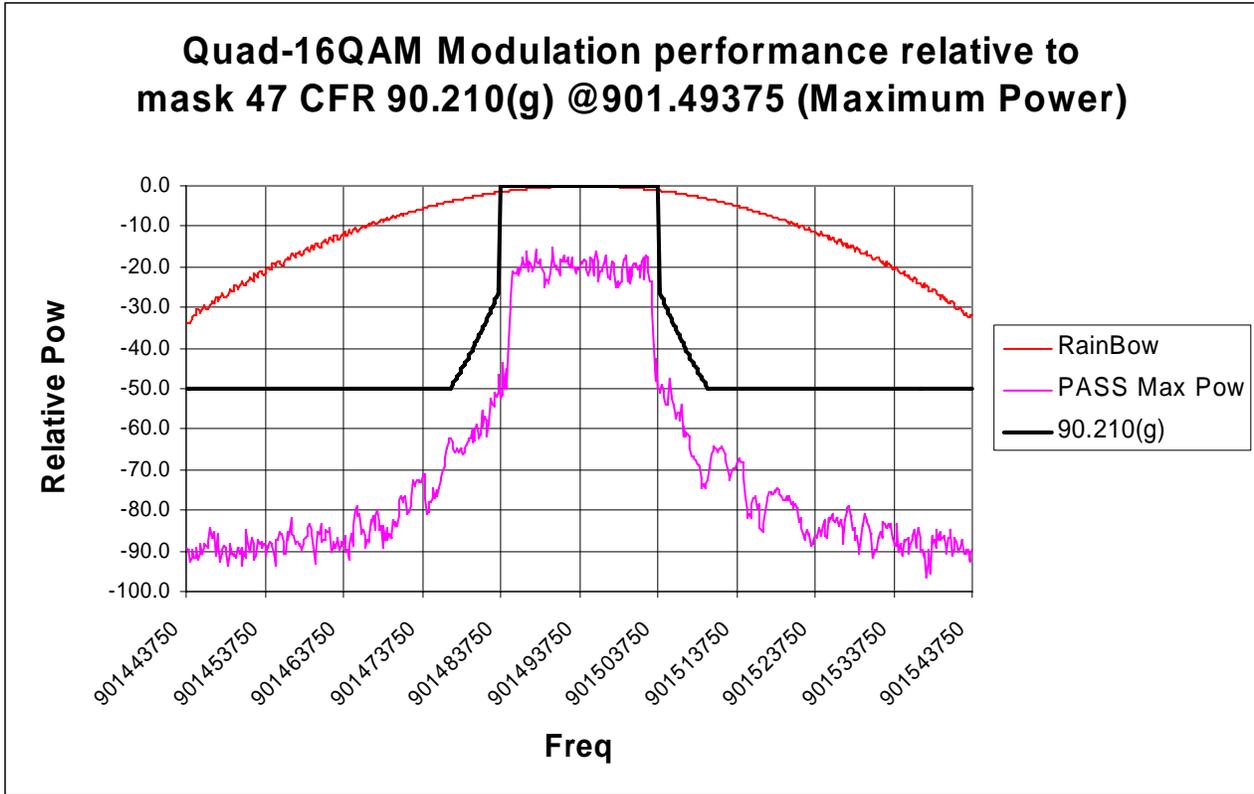


Figure 6b.2.2.2. WiDEN 25 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

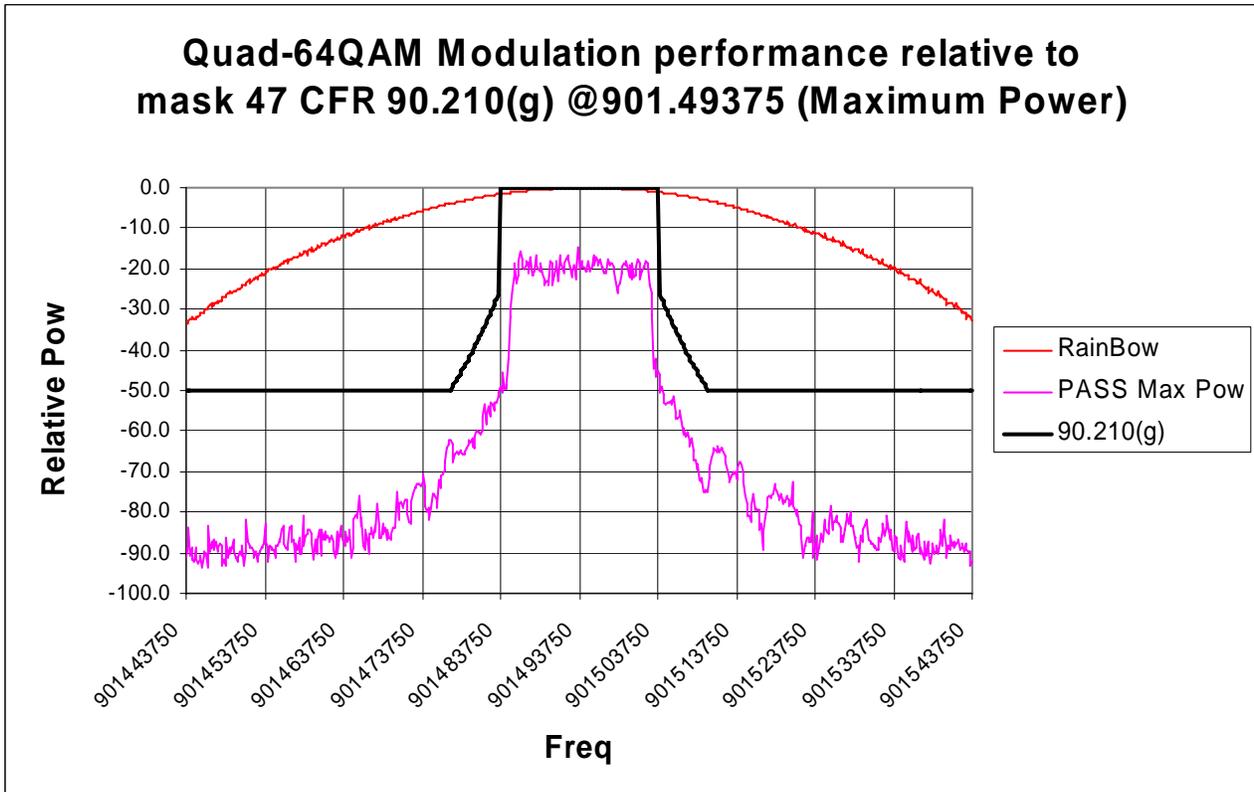


Figure 6b.2.2.3. WiDEN 25 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

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

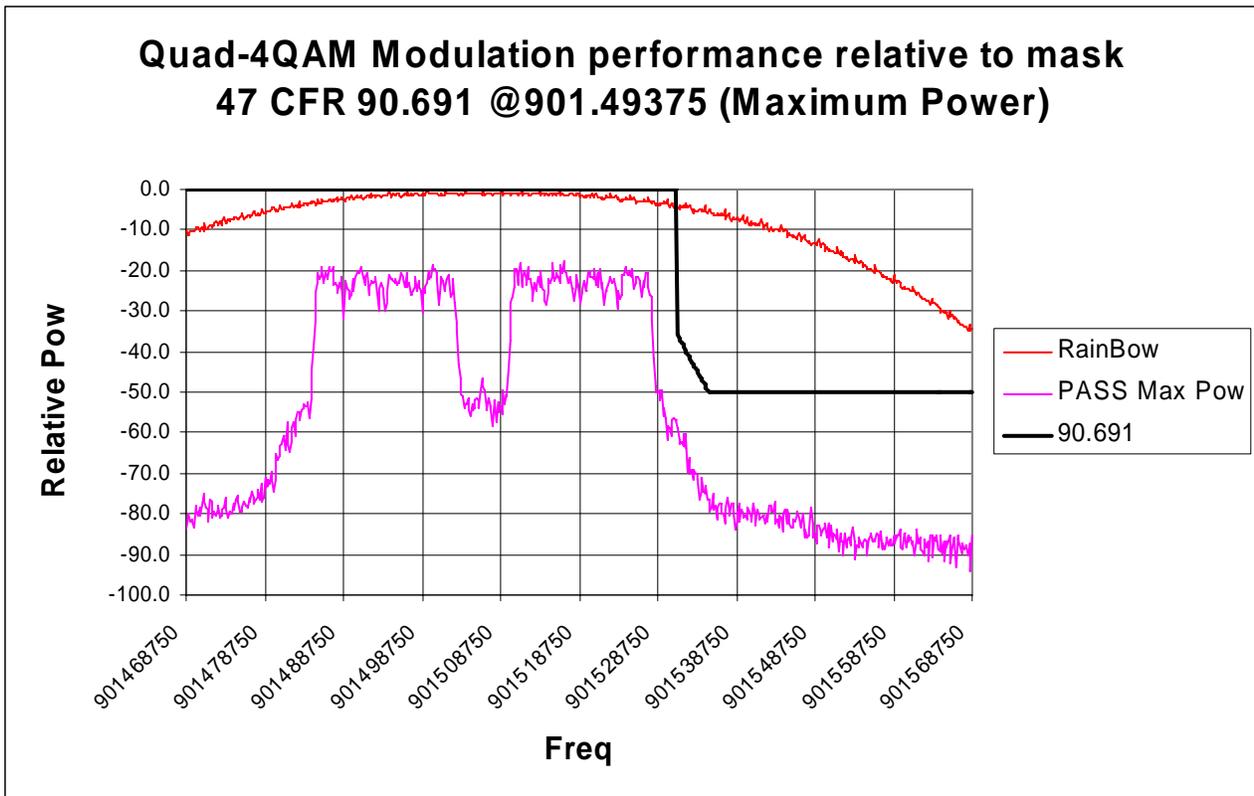


Figure 6b.2.3.1. WiDEN 50 NBPCS Band, QPSK; Occupied Bandwidth

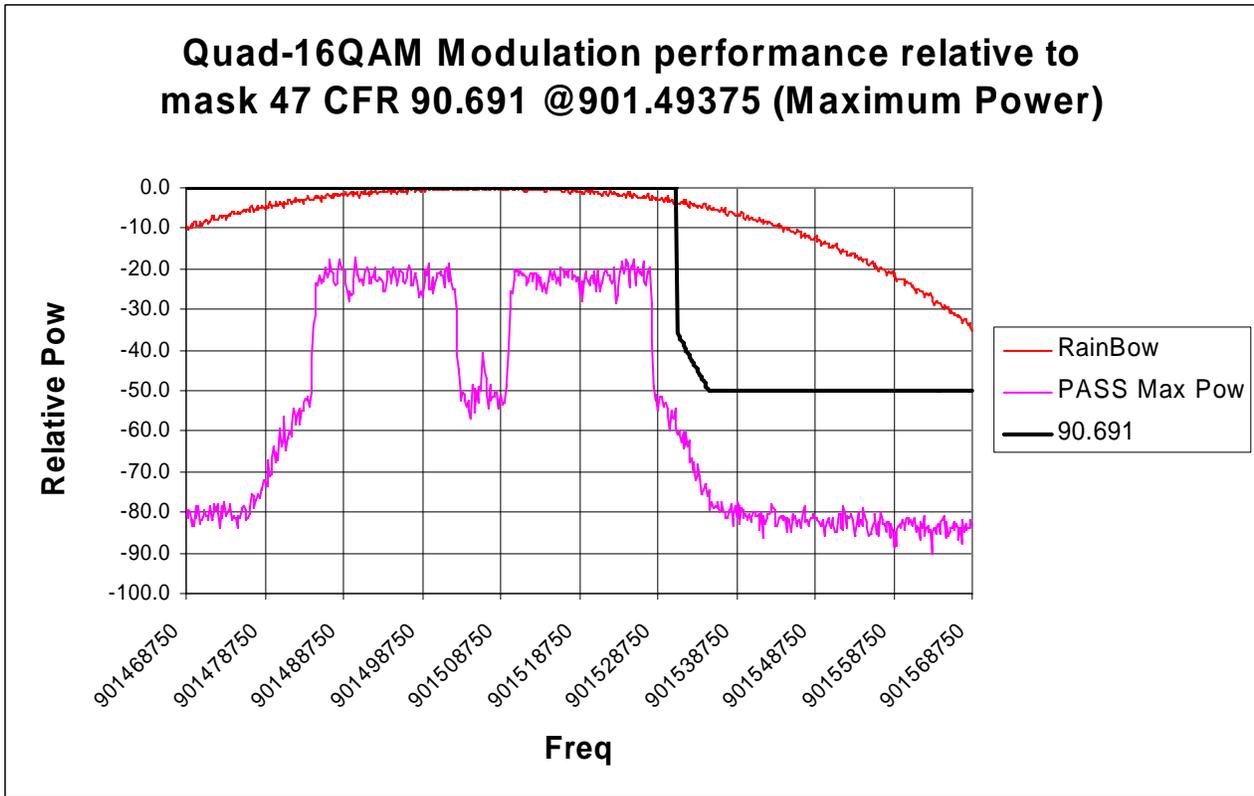


Figure 6b.2.3.2. WiDEN 50 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

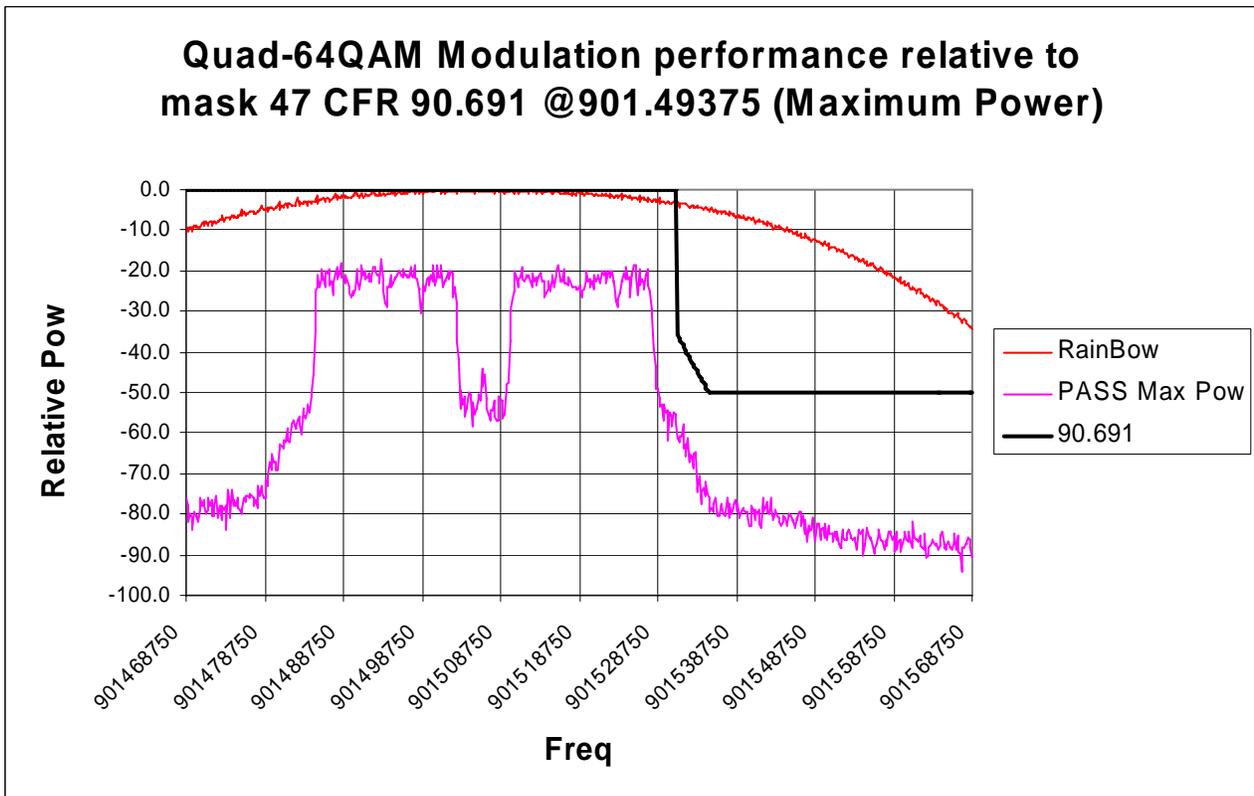


Figure 6b.2.3.3. WiDEN 50 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

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

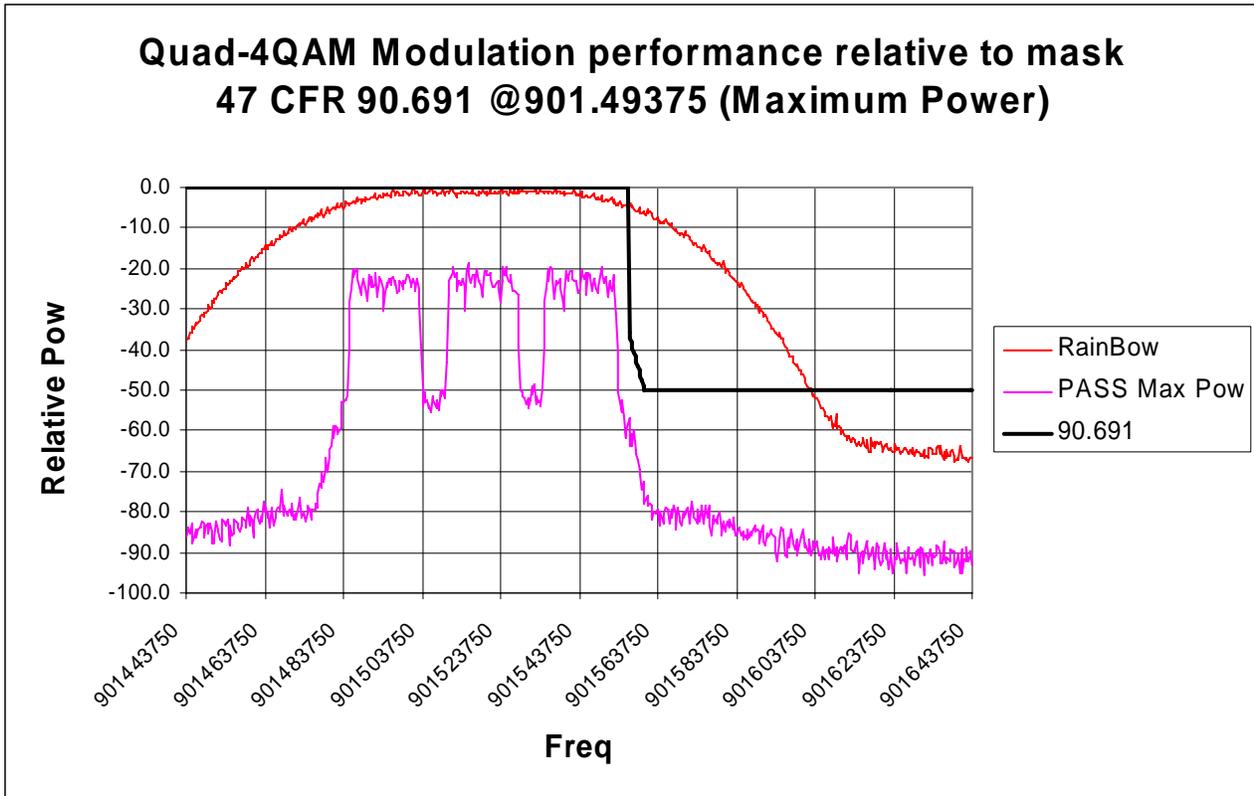


Figure 6b.2.4.1. WiDEN 75 NBPCS MHz Band, QPSK; Occupied Bandwidth

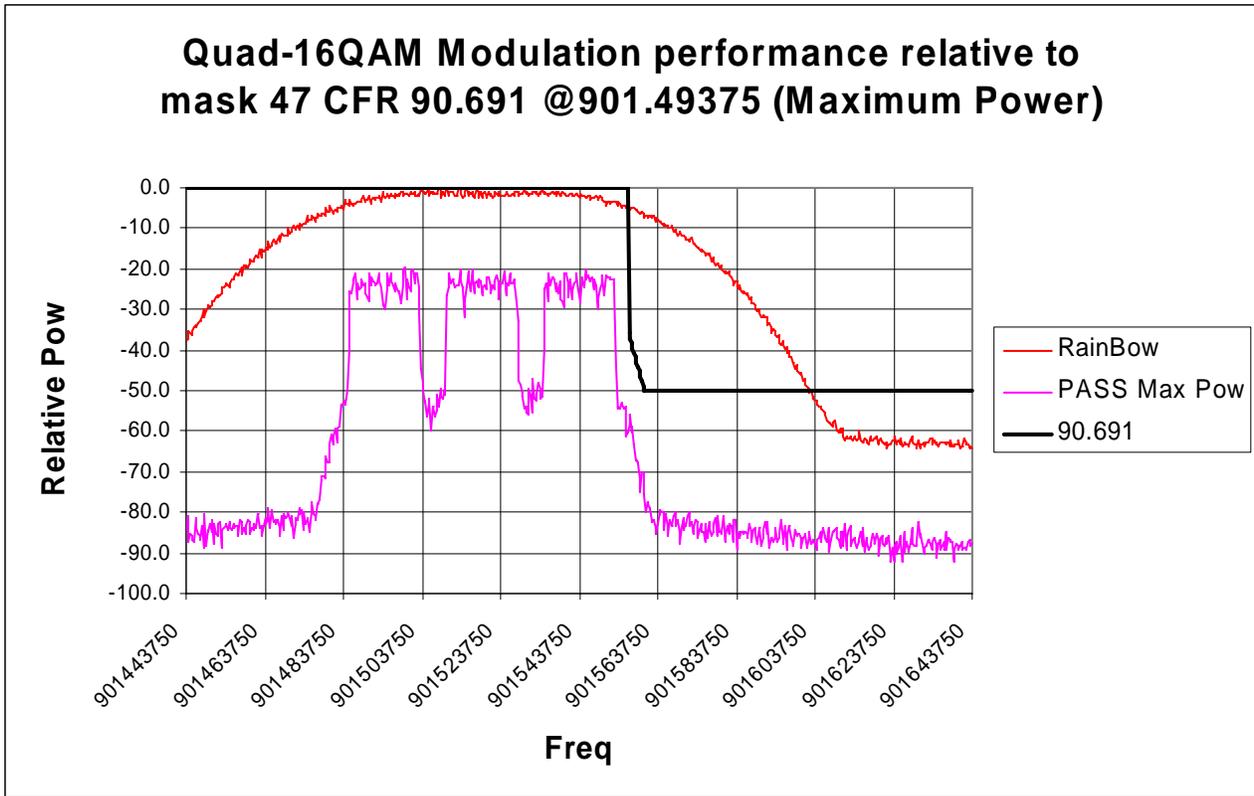


Figure 6b.2.4.2. WiDEN 75 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

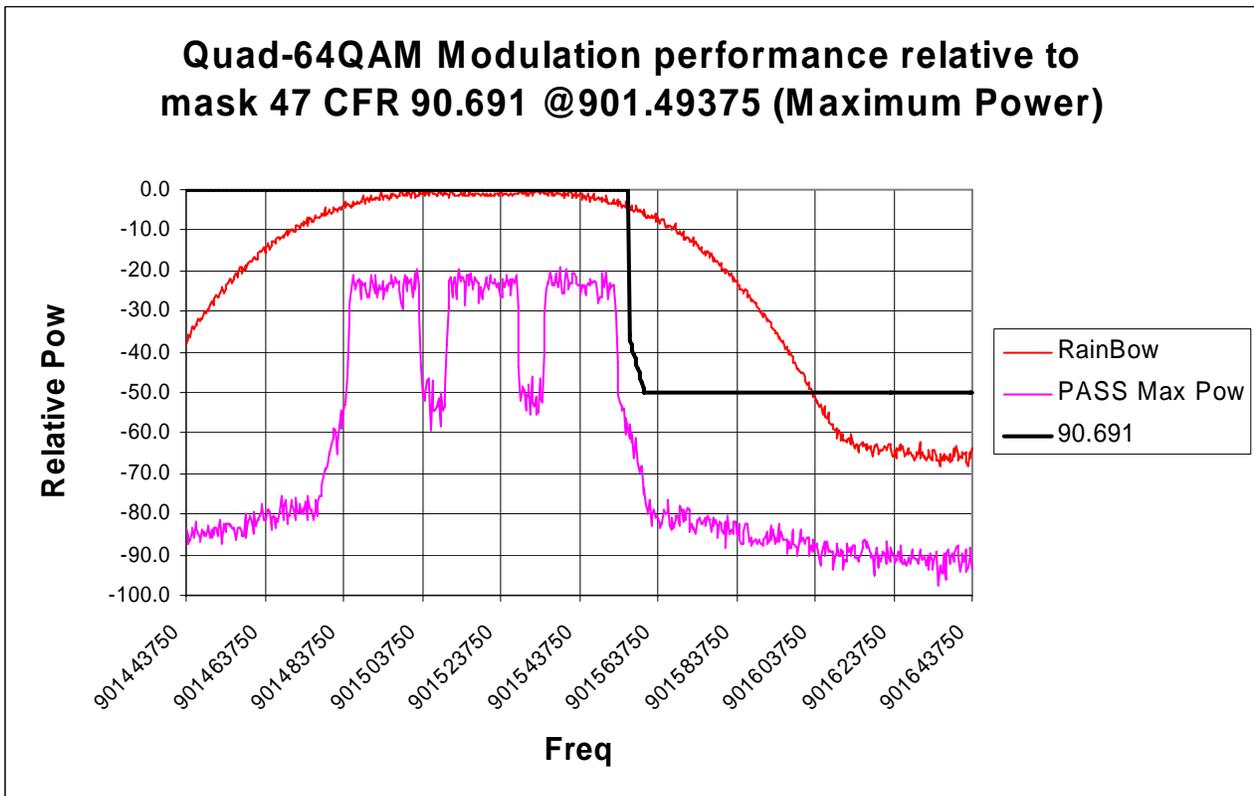


Figure 6b.2.4.3. WiDEN 75 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

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

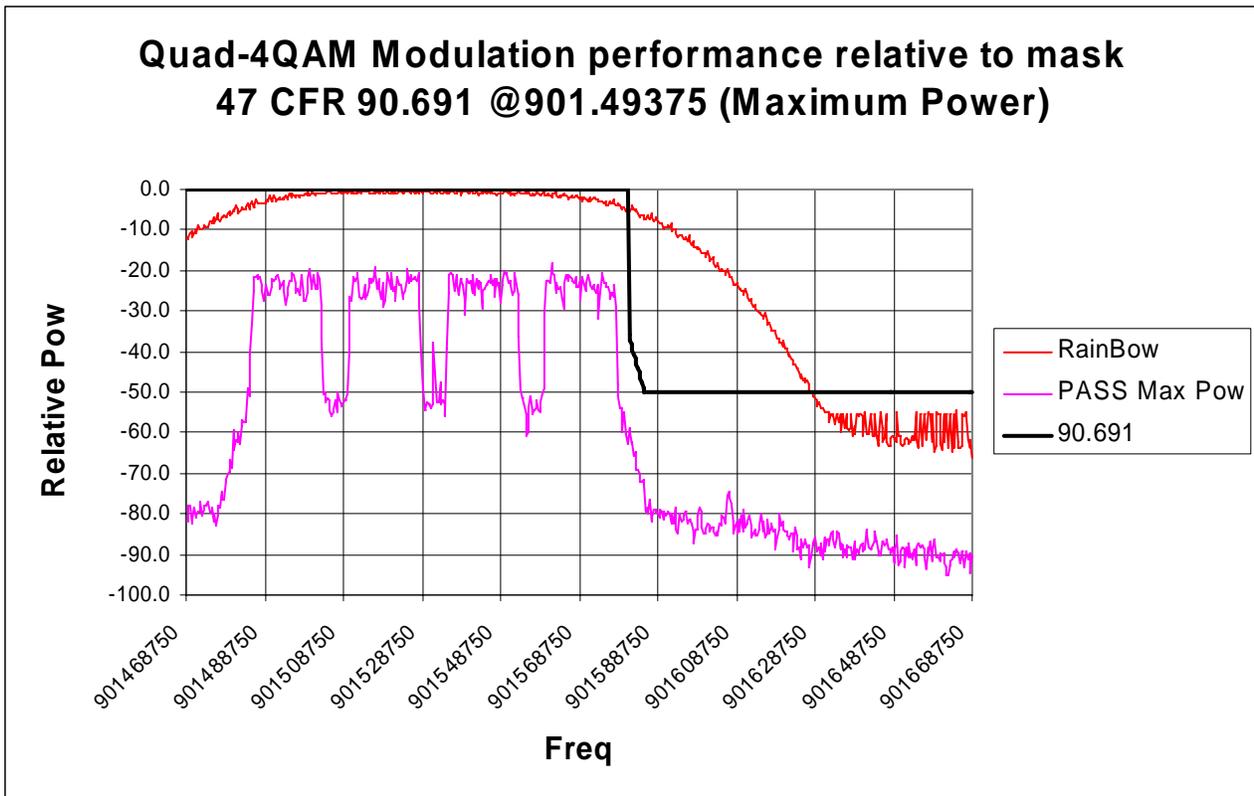


Figure 6b.2.5.1. WiDEN 100 NBPCS Band, QPSK; Occupied Bandwidth

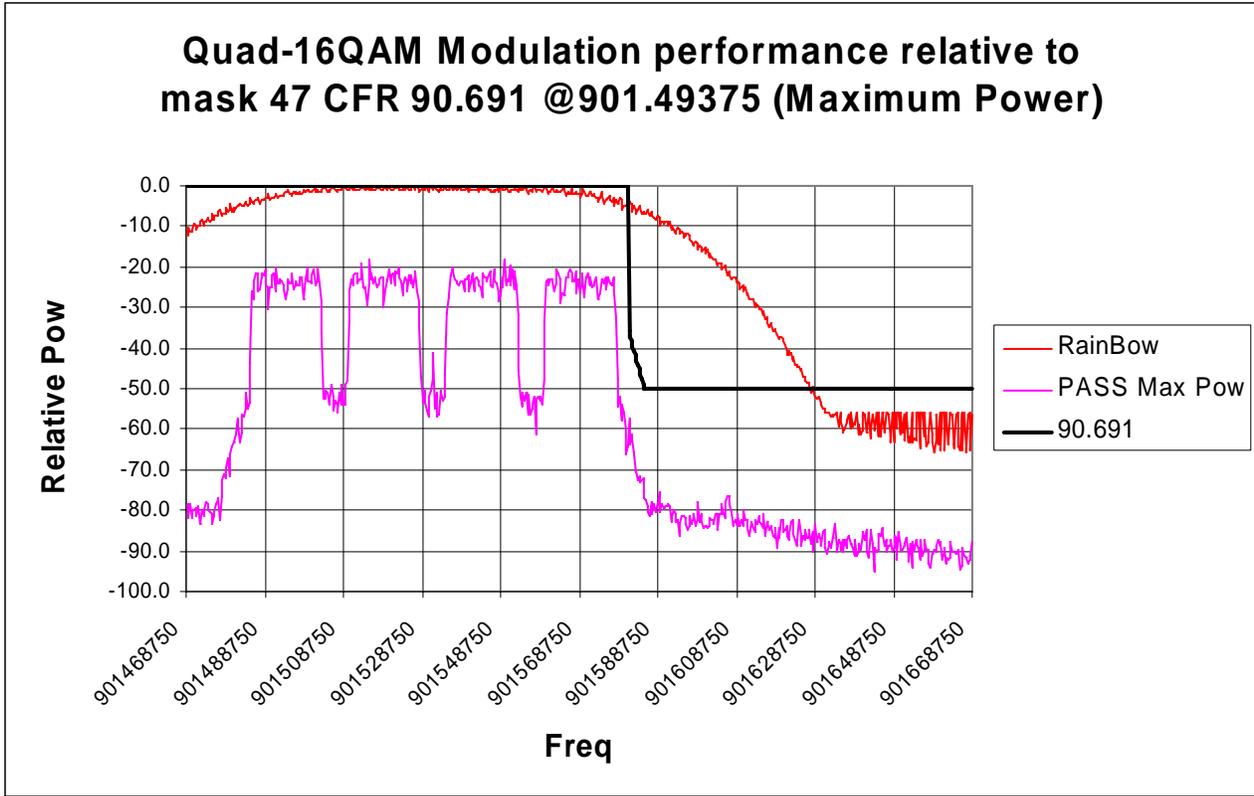


Figure 6b.2.5.2. WiDEN 100 NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

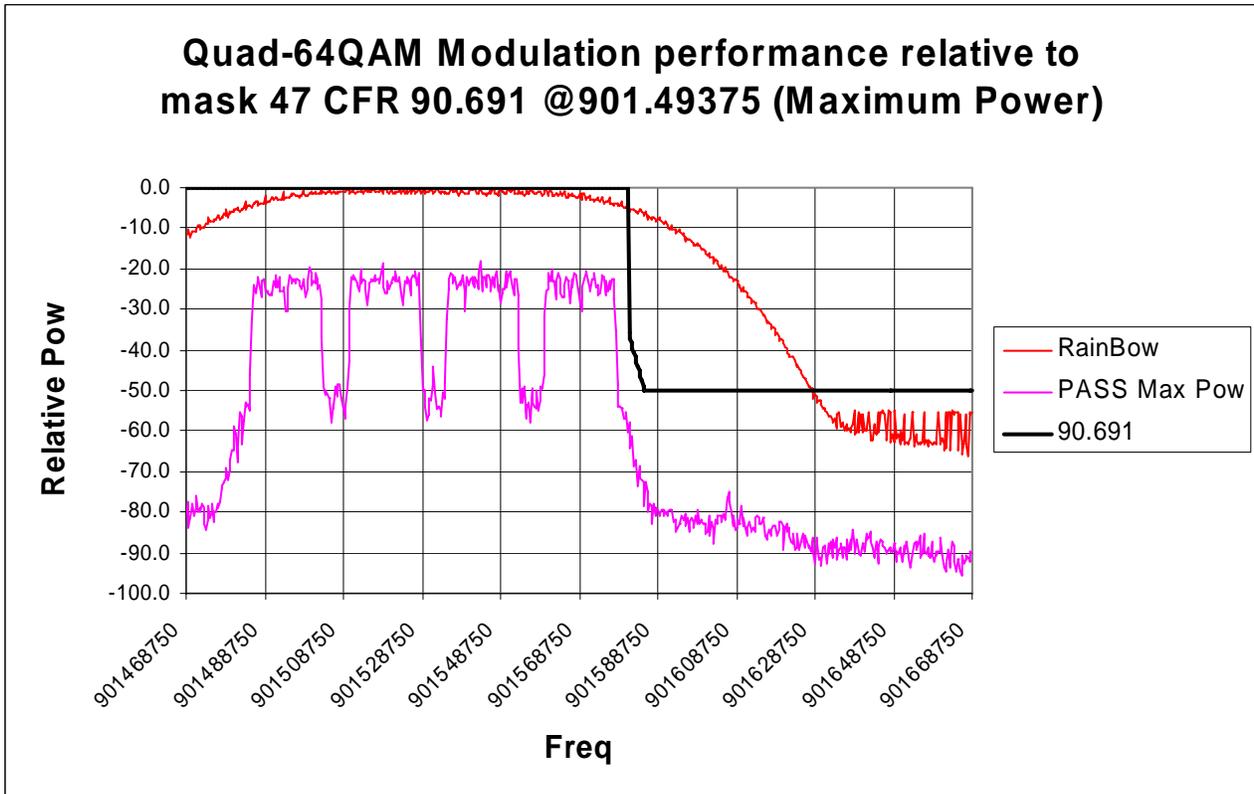


Figure 6b.2.5.3.15. WiDEN 100 NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

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

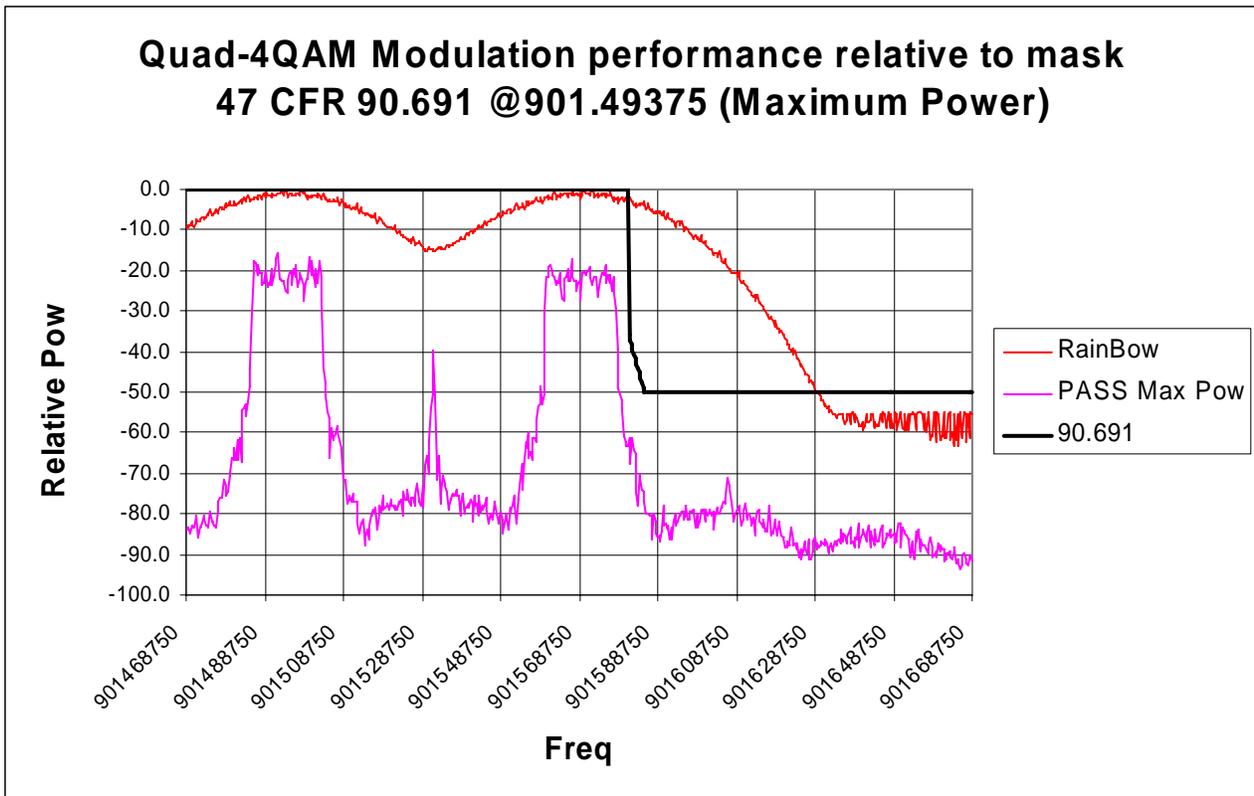


Figure 6b.2.6.1. WiDEN50 Split 900 MHz Band, QPSK; Occupied Bandwidth

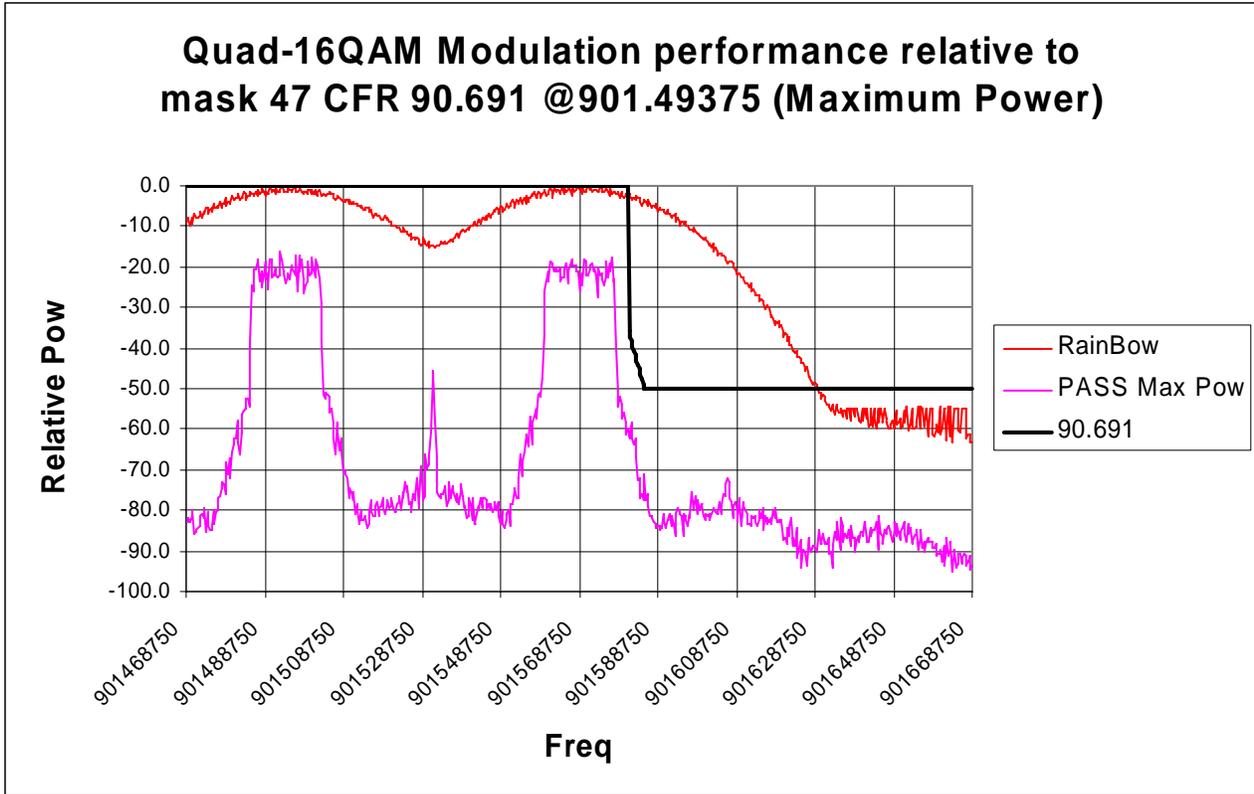


Figure 6b.2.6.2. WiDEN50 Split NBPCS Band, Quad- 16 QAM; Occupied Bandwidth

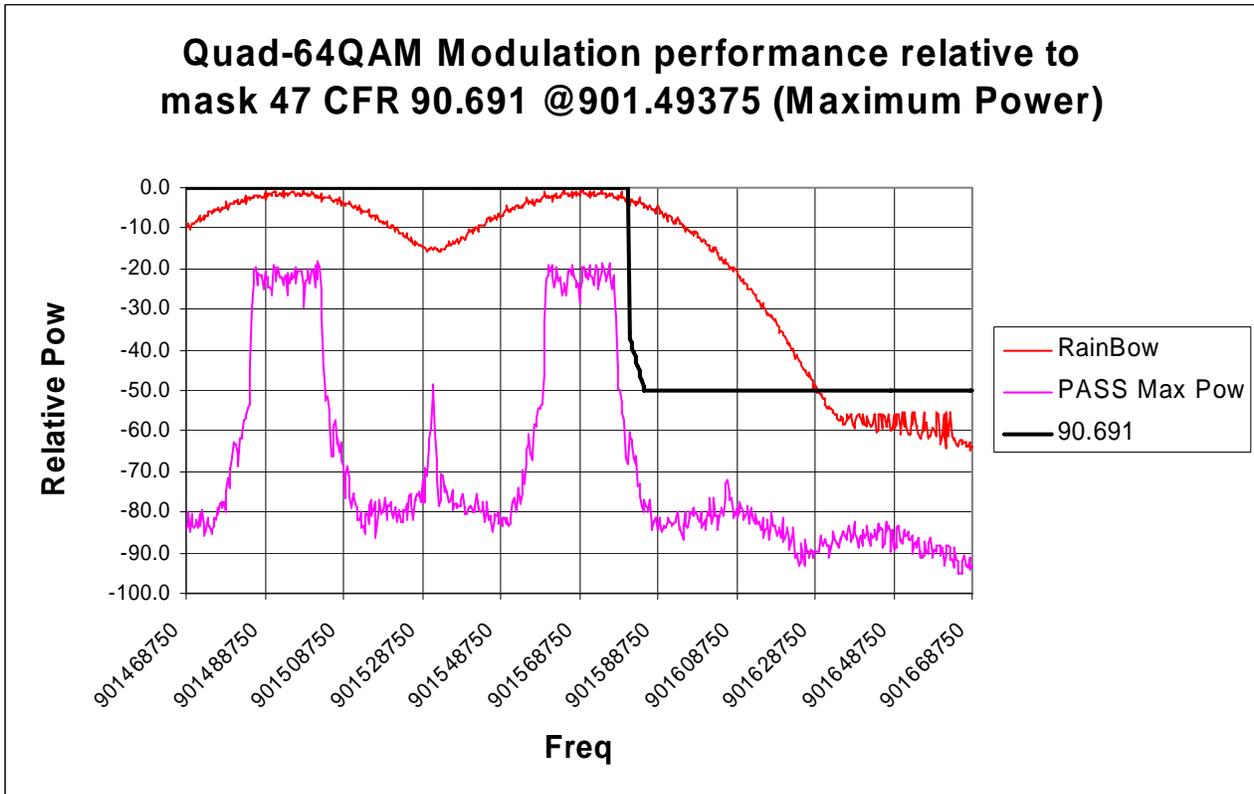


Figure 6b.2.6.318: WiDEN50 Split NBPCS Band, Quad- 64 QAM; Occupied Bandwidth

6a-2.7 Measuring Equipment

1. PSA: Agilent E4440A Date cal: 09-Jan-08 Due cal: 09-Jan-09

6b.3 Frequency Stability (NBPCS) -- Pursuant 47 CFR 2.1055(a)(1), 2.1055(d)(2), and 24.135

6b.3.1 Frequency Stability Test Results

Frequency stability measurements were made with a base station simulator. Because of the transmitter's dependence on the stability of the base station oscillator, it is not possible to provide stability data for this transmitter as is commonly supplied for certification per 47 CFR 2.1055 for a radio with a locally stabilized oscillator. The following data was collected in a setup comprising of a base station simulator and it represents the absolute frequency error of the transceiver under test versus the base station frequency reference.

Voltage change: Voltage was changed in increments of 0.1V throughout voltage range. There was no noticeable effect of the voltage change on the frequency error.

TEMPERATURE	PPM at 7.1-8.4V _{DC}
-30	0.15
-20	0.13
-10	0.14
0	0.13
10	0.13
20	0.13
30	0.14
40	0.13
50	0.13

Table 6b.3.1-1: Transmitter Frequency Stability (NBPCS band) – Frequency Error vs. Temperature (tabular format).

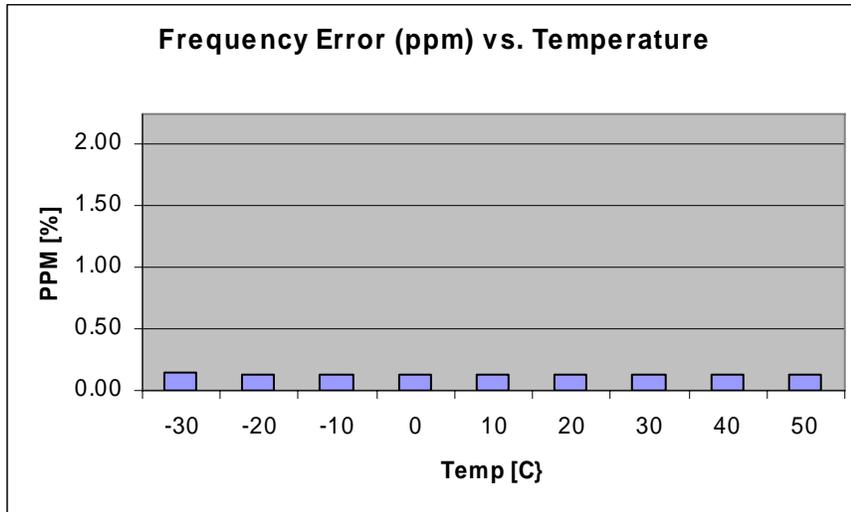


Table 6b.3.1-2: Transmitter Frequency Stability (NBPCS band) – Frequency Error vs. Temperature (chart format)

6b.3.2 Measurement Equipment

- 1.VSA: HP 89410A Date cal: 26-Dec-07 Due cal: 26-Dec-08
- 2.Base Emulator: Motorola R2660 iDEN digital communication system analyzer
Date cal: 26-Dec-07 Due cal: 26-Dec-08
- 3. Oven: Thermotron 2800 Date cal: 26-Dec-07 Due cal: 26-Dec-08
- 4. Power supply: Agilent E3634A Date cal: 26-Dec-07 Due cal: 26-Dec-08
- 5. Directional Coupler
- 6. 20dB Att
- 7. 50ohm load