Exhibit 6. Measured Data ----- 47 CFR. 2.983-(e)

6.1. RF Power Output Data -- Pursuant 47 CFR 2.985

The RF power output was measured at the standard radio test voltage of 5.4 V. The voltage applied to and current into the final RF amplifying device (U503) is indicated below. The measurements were taken in slot.

At the minimum power setting:

Measured RF output	0.20	milliWatts	Pulse Mean Power
Normal DC Voltage	5.0	Volts	
Mean DC Current	*900*	*mA*	Pulse Mean Current During Transmit Slot
Input Power for the final RF Amplifying Module	0.290	microWatts	

At the maximum power setting:

Measured RF output	0.60	Watts	Pulse Mean Power
Normal DC Voltage	5.0	Volts	
Mean DC Current	*1500*	*mA*	Pulse Mean Current During Transmit Slot
Input Power for the Final RF Amplifying Module	0.2138	milliWatts	

6.2. Modulation Characteristics Data -- Pursuant 47 CFR 2.987 (d)

The digital data is mapped to predetermined fixed magnitude and phase components within a constellation of a predetermined modulation scheme. Figure 6-2 illustrates symbol mapping to one of the four QPSK member constellation. Figure 6-3 illustrates symbol mapping to one of the four 16QAM member constellation. Figure 6-4 illustrates symbol mapping to one of the four 64QAM member constellation. For Quad-QPSK modulation, this mapping adjusts the amplitude and phase variations of the baseband signal to one of 4 points on the constellation. For Quad-16QAM modulation, this mapping adjusts the amplitude and phase variations of the baseband signal to one of 16 points on the constellation. For Quad-64 modulation, this mapping adjusts the amplitude and phase variations of the baseband signal to one of 64 points on the constellation. After conversion by the D/A converters in U401 (see Figure 4-3 in Exhibit 4.3), the bandwidth of the modulating signals is limited by the pair of modulation limiting low pass filters. These filters serve to limit out-of-band and spurious emissions due to modulation. The transfer response of these filters is depicted in Figure 6-1.

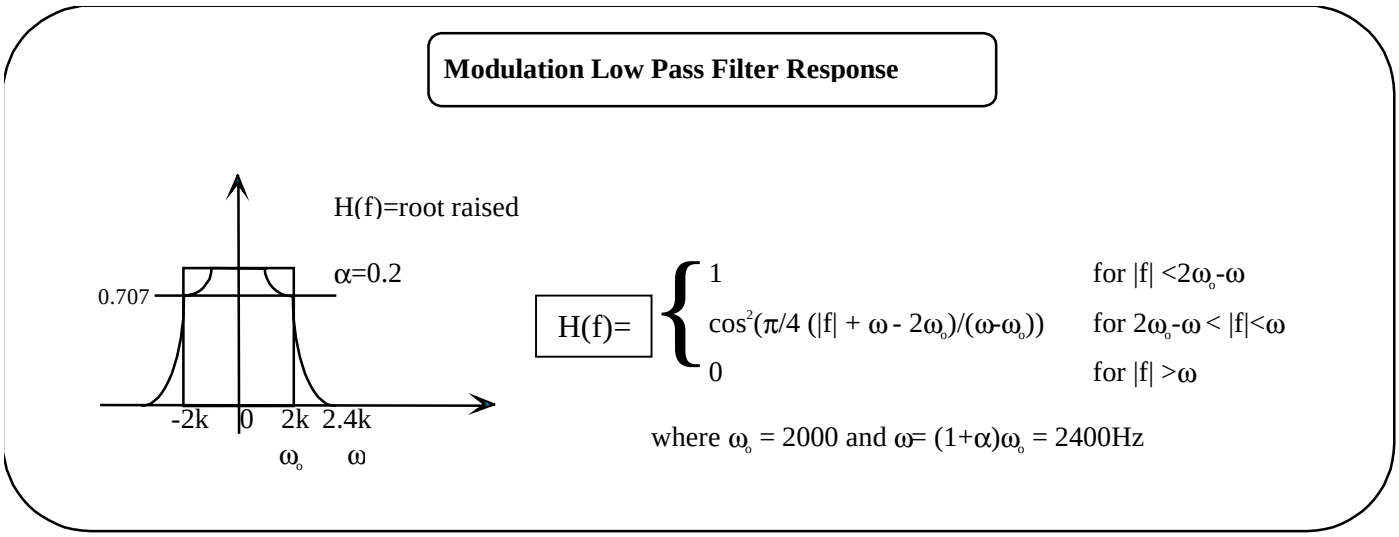

Figure 6-1: Modulation Low Pass Filter Response

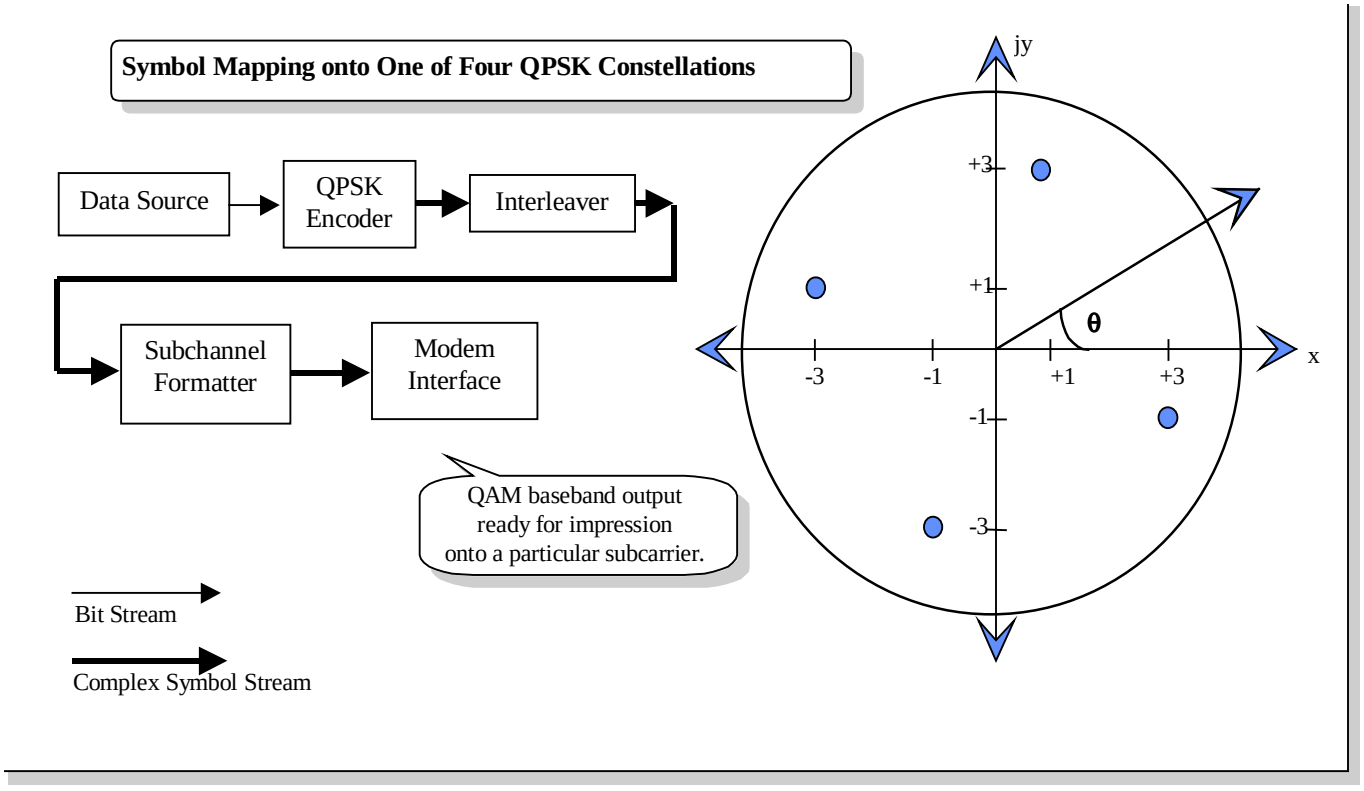

Figure 6-2: Symbol Mapping onto One of Four QPSK Constellations

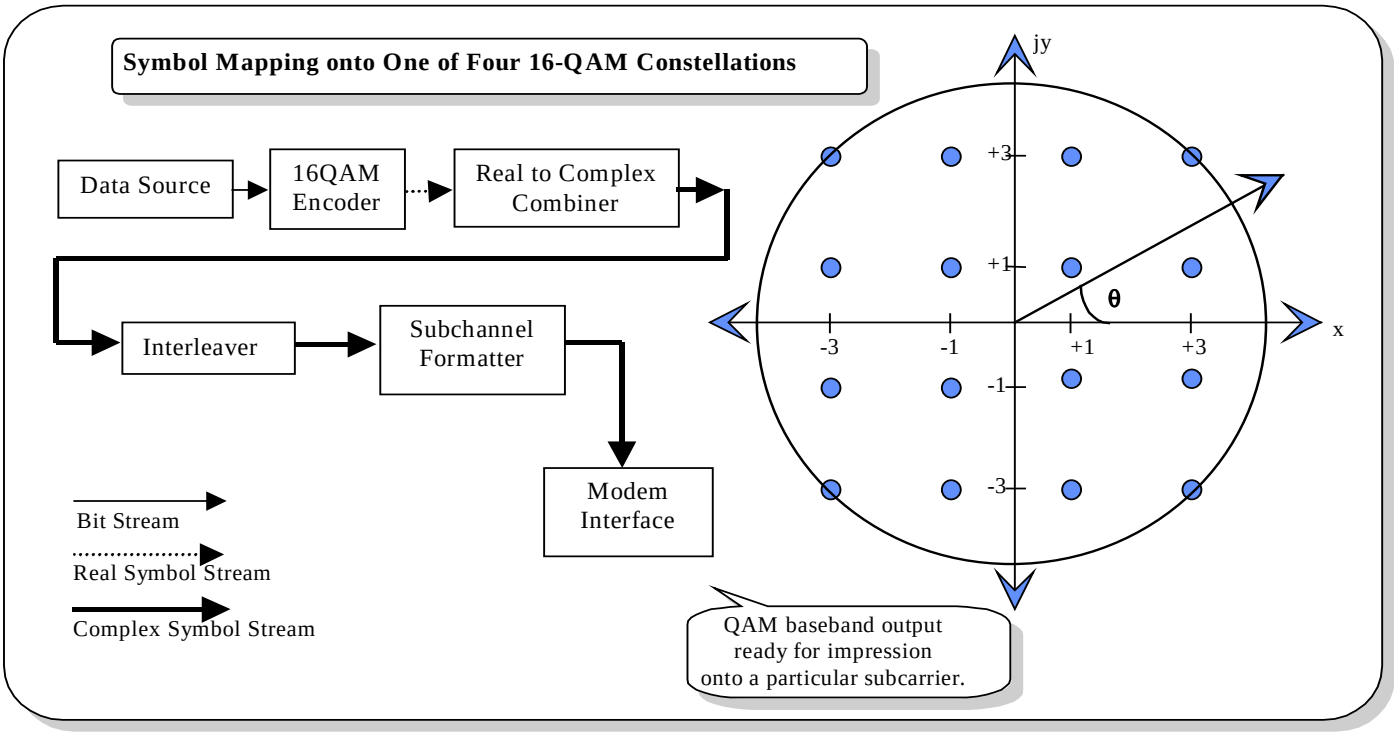

Figure 6-3: Symbol Mapping onto One of Four 16-QAM Constellations

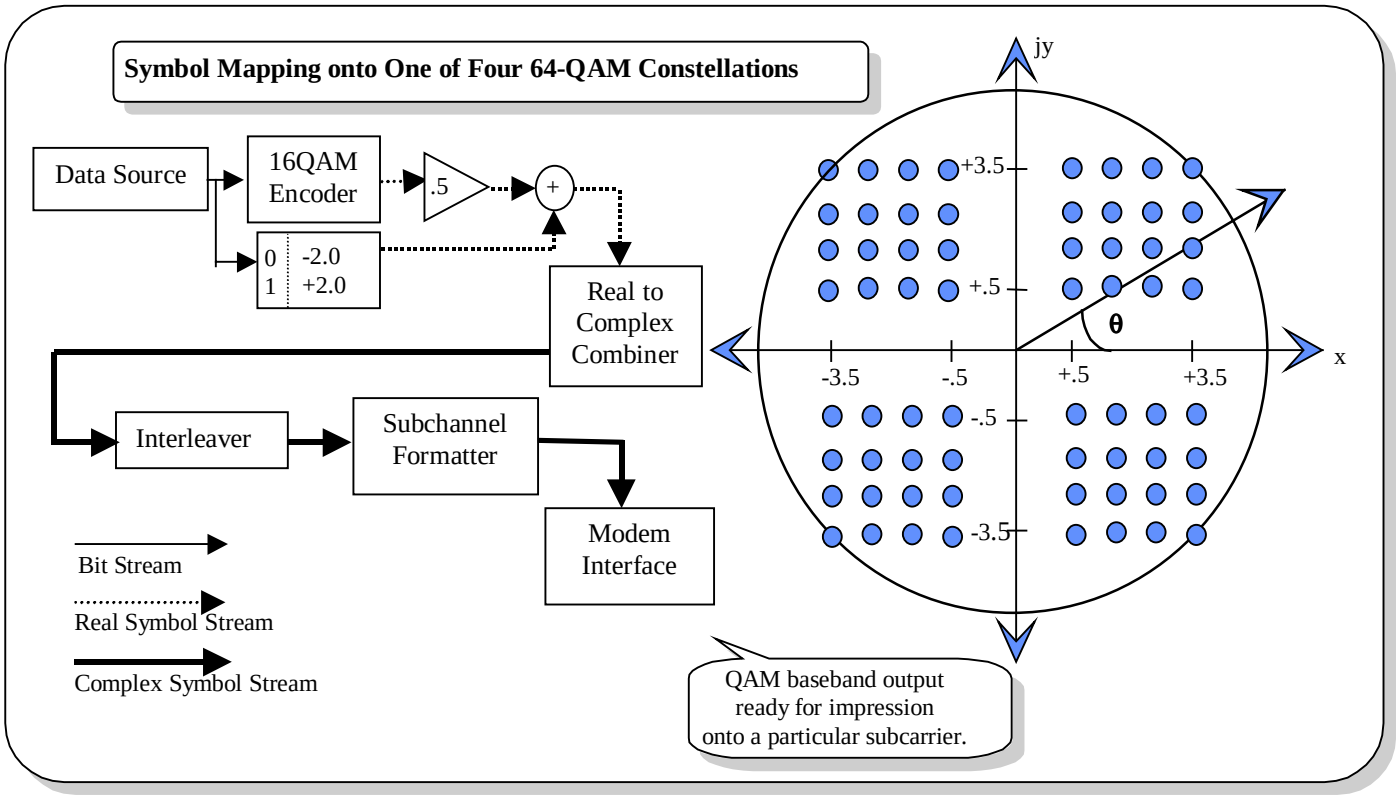

Figure 6-4: Symbol Mapping onto One of Four 64-QAM Constellations

6.3. Occupied Bandwidth Data -- Pursuant 47 CFR 2.989, 90.210 and 90.691

The method described in paragraph 7.2 was employed with the following conditions:

For Quad-QPSK Modulation:
32K Bits Per Second Pseudo-Random Digital Modulation
Vertical: 10 dB/div
Carrier Reference: 0 dB corresponds to 0.6 watts (+27.8 dBm) mean power for maximum power condition and 0.20 milliWatts (-7 dBm) for minimum power condition.

For Quad-16QAM Modulation:
64K Bits Per Second Pseudo-Random Digital Modulation
Vertical: 10 dB/div
Carrier Reference: 0 dB corresponds to 0.6 watts (+27.8 dBm) mean power for maximum power condition and 0.20 milliWatts (-7 dBm) for minimum power condition.

For Quad-64QAM Modulation:
96K Bits Per Second Pseudo-Random Digital Modulation
Vertical: 10 dB/div
Carrier Reference: 0 dB corresponds to 0.6 watts (+27.8 dBm) mean power for maximum power condition and 0.20 milliWatts (-7 dBm) for minimum power condition.

In Figures 6-5 through Figure 6-16, one trace was used to capture transmitter performance, measured using a resolution bandwidth of 300 Hz, while the reference level was obtained by another trace, using a resolution bandwidth of 30 kHz. A third trace shows the applicable emission mask.

Measured Data

Refer to Figures 6-5 and 6-6 for Quad-QPSK Modulation performance relative to mask 47 CFR 90.210(g).
Refer to Figures 6-7 and 6-8 for Quad-16QAM Modulation performance relative to mask 47 CFR 90.210(g).
Refer to Figures 6-9 and 6-10 for Quad-64QAM Modulation performance relative to mask 47 CFR 90.210(g).

Refer to Figures 6-11 and 6-12 for Quad-QPSK performance relative to mask 47 CFR FCC 90-691(a).
Refer to Figures 6-13 and 6-14 for Quad-16QAM performance relative to mask 47 CFR FCC 90-691(a).
Refer to Figures 6-15 and 6-16 for Quad-64QAM performance relative to mask 47 CFR FCC 90-691(a).

FCC Limits

a.) Per 47CFR 90.210(g)

(1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 5 kHz up to and including 10 kHz:

At least 83 $\log_{10}$(fd/5) decibels.

(2) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 10 kHz up to and including 250 percent of the authorized bandwidth:

At least 116 $\log_{10}$ (fd/6.1) decibels or 50 plus 10 $\log_{10}$ (Unmodulated Carrier Power) decibels or 70 decibels, whichever is lesser attenuation.

(3) On any frequency removed from the center of the authorized bandwidth by more than 250 percent of the authorized bandwidth:

At least 43 plus 10 $\log_{10}$ (Output Power in Watts) decibels or 80 decibels, whichever is lesser attenuation.

b.) Per EA SMR Emission Mask, 47 CFR 90.691(a):

Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees.

(1) For any frequency removed from the EA licensee’s frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 $\log_{10}$(f/6.1) decibels or 50 + 10 $\log_{10}$(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center channel of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee’s frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 $\log_{10}$ (P) decibels (i.e. -13 dBm) or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

Figure 6-5: Quad-QPSK Modulation performance relative to mask 47 CFR 90.210(g).

MAX. POWER (600mW):

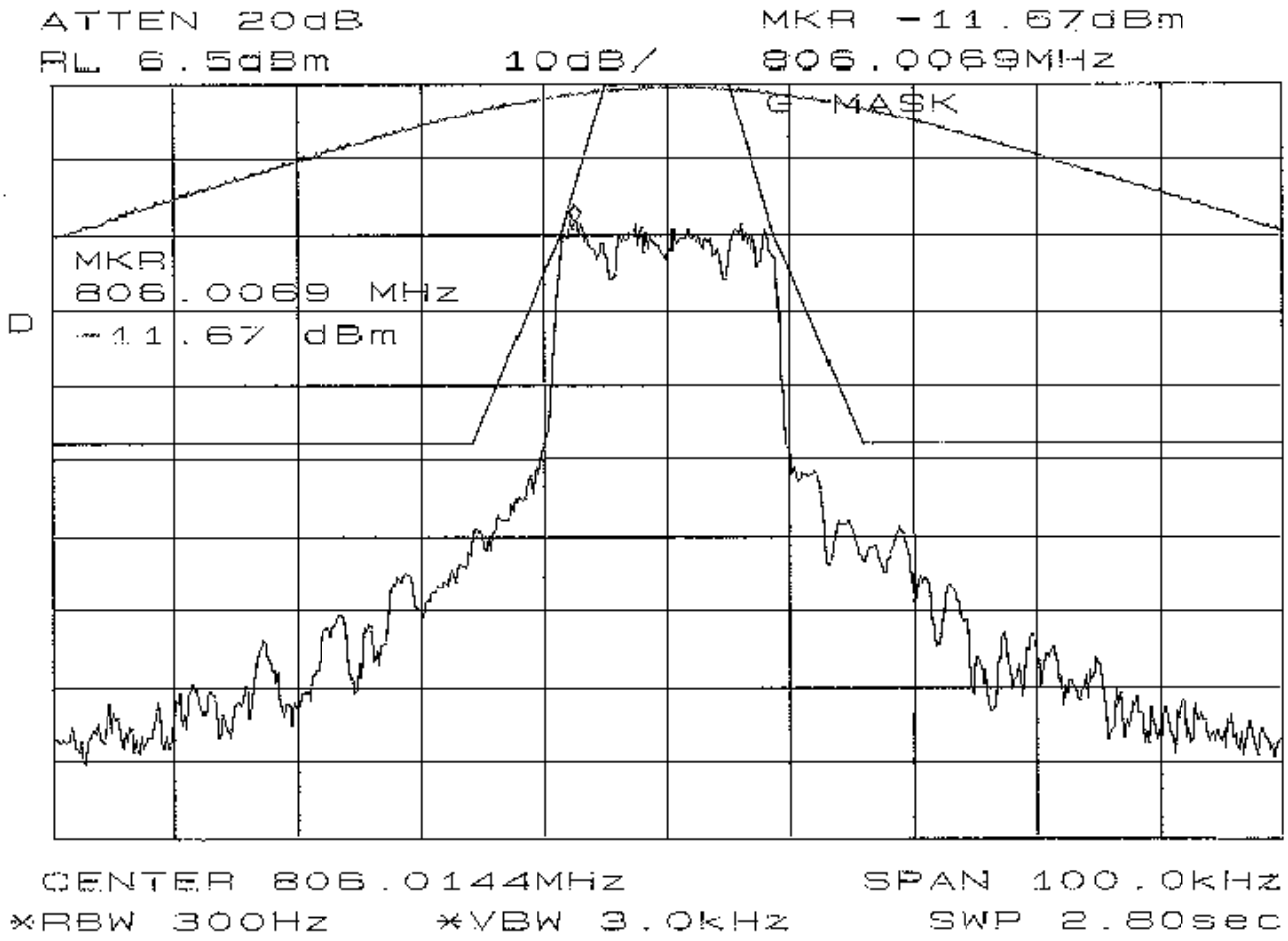

Figure 6-6: Quad-QPSK Modulation performance relative to mask 47 CFR 90.210(g).

MIN. POWER (0.20mW):

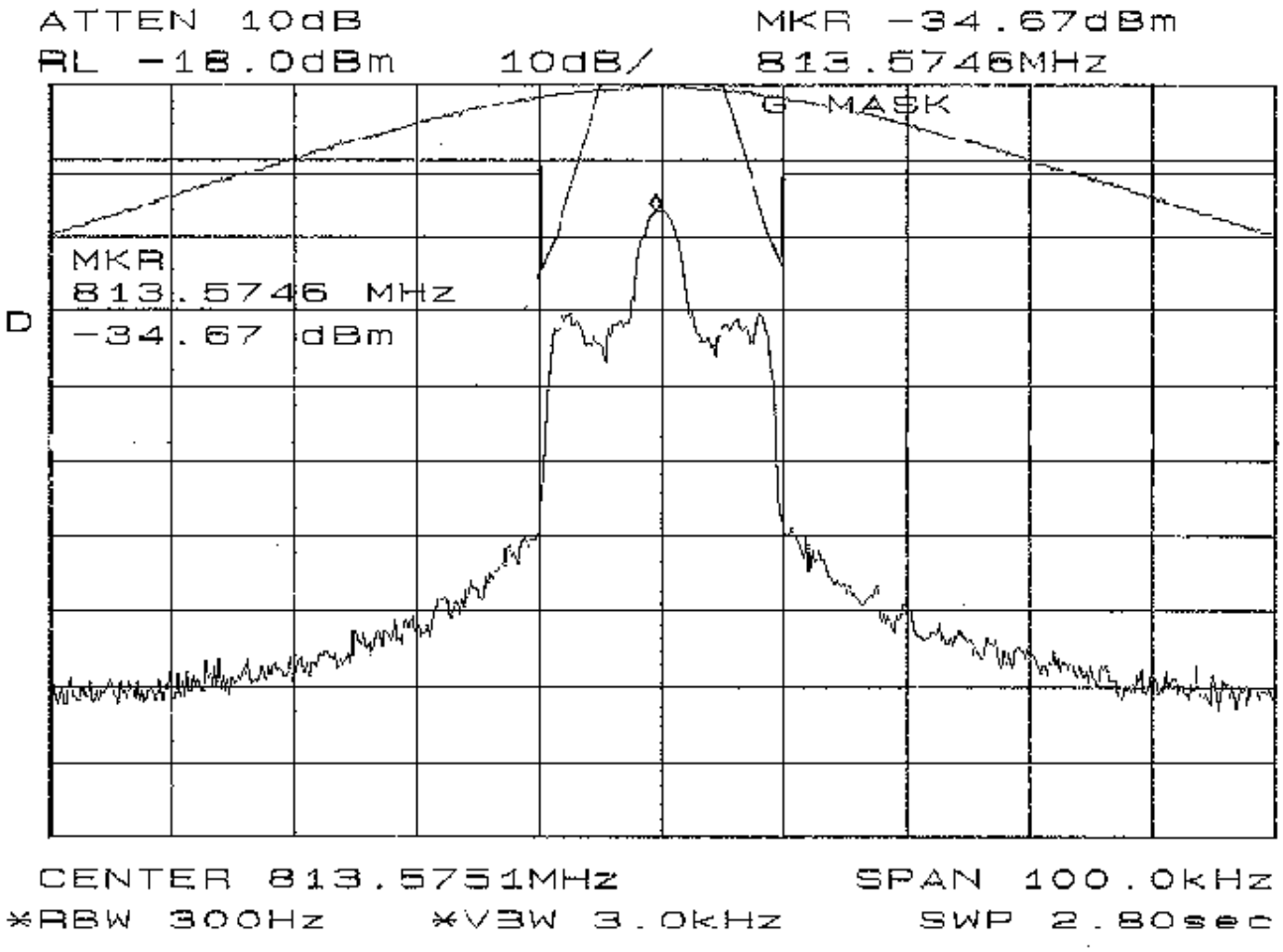

Figure 6-7: Quad-16QAM Modulation performance relative to mask 47 CFR 90.210(g).

MAX. POWER (600mW):

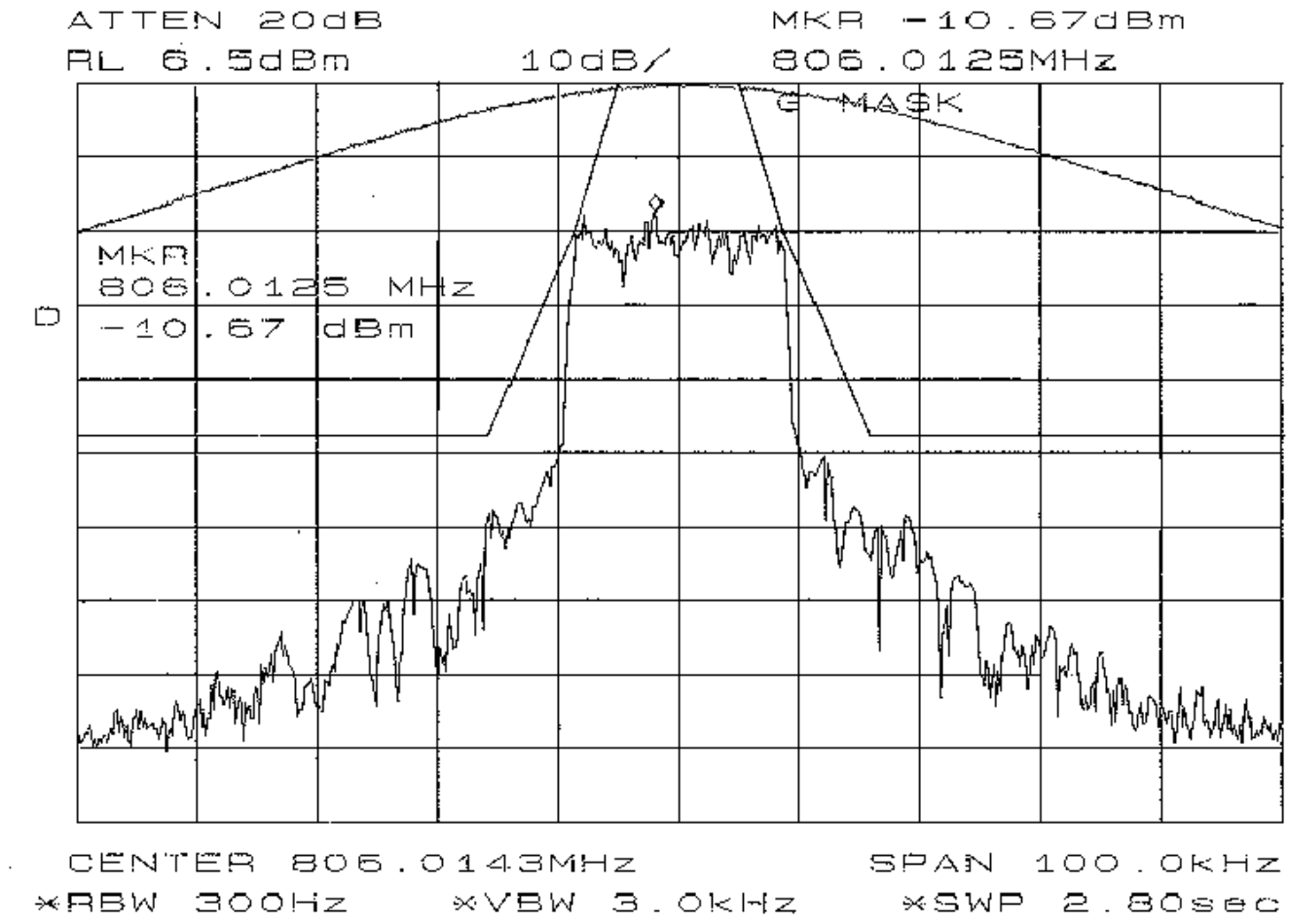

Figure 6-8: Quad-16QAM Modulation performance relative to mask 47 CFR 90.210(g).

MIN. POWER (0.20mW):

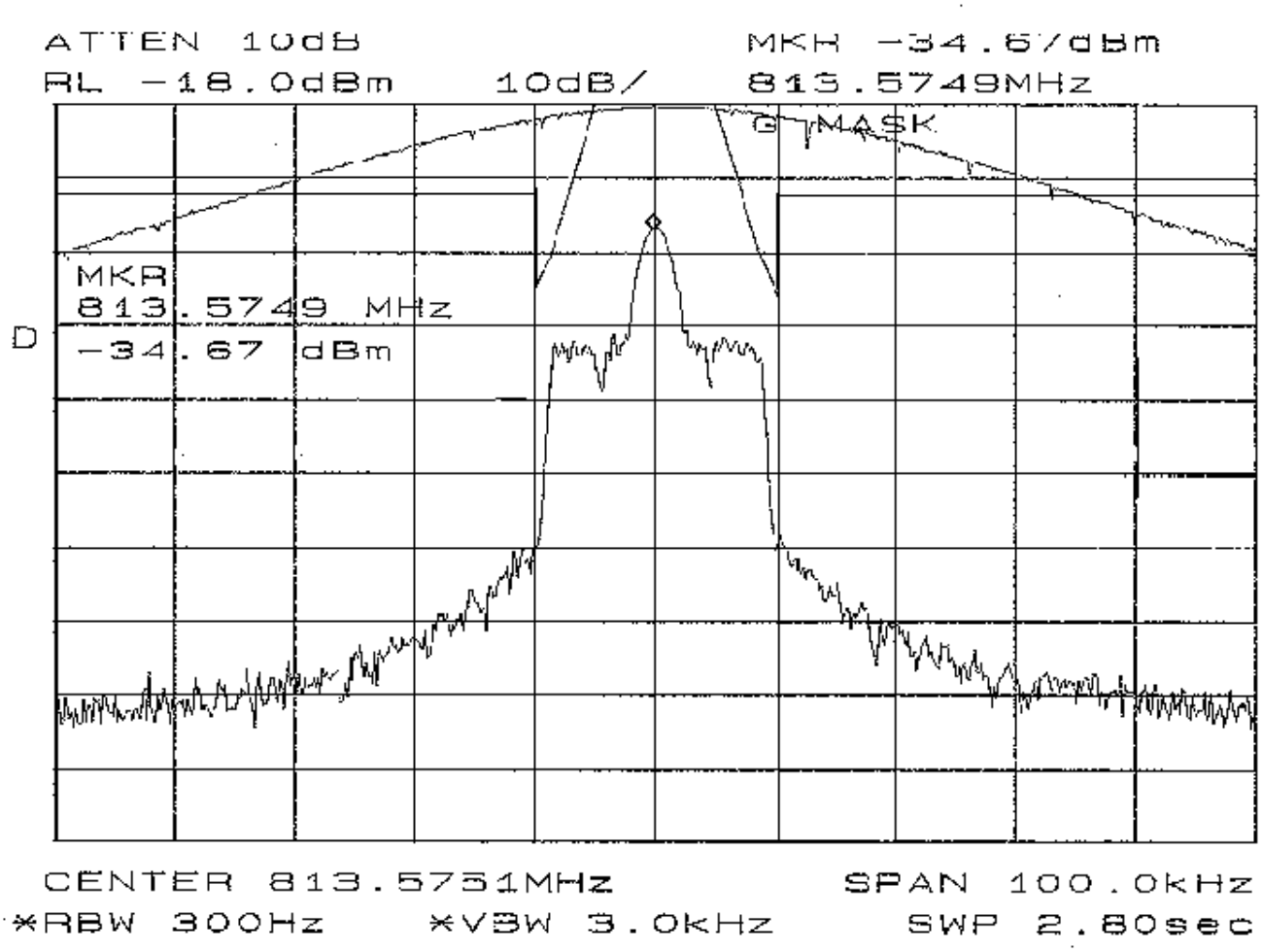

Figure 6-9: Quad-64QAM Modulation performance relative to mask 47 CFR 90.210(g).

MAX. POWER (600mW):

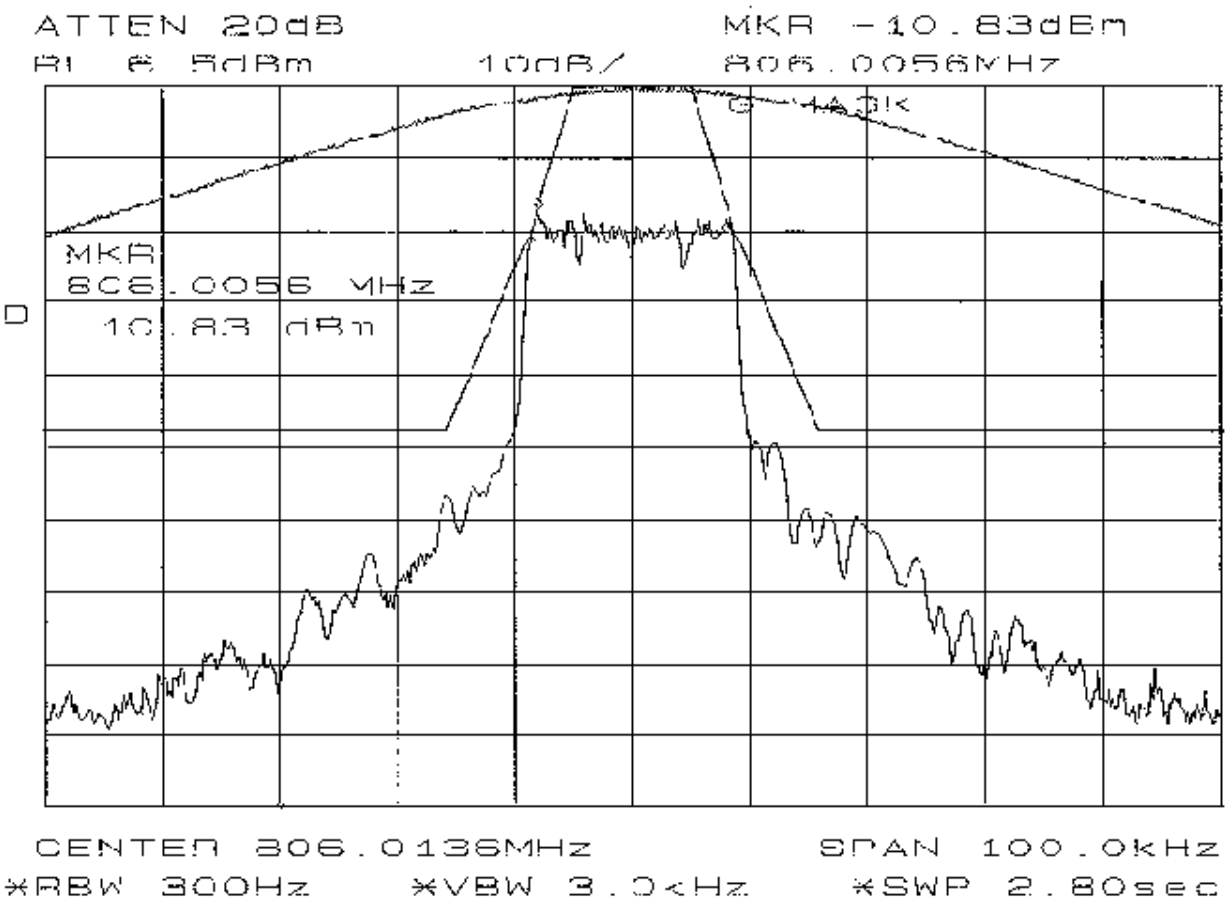

Figure 6-10: Quad-64QAM Modulation performance relative to mask 47 CFR 90.210(g).

MIN. POWER (0.20mW):