

**EXHIBIT #6a**

**Test Report - PCII**

FCC: Pursuant 22, 74

**Submitted Measured Data**

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## **Exhibit 6E**

### **Occupied Bandwidth - PCII**

#### **BANDWIDTH CALCULATIONS:**

Shown below are the bandwidth calculations required for FCC ID: AZ489FT7061.

#### **Digital (12.5 kHz Channelization, Digital Data):**

Emission Designator 8K10F1D

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA 102.CAAA-D Section 2.2.5. The emission mask was obtained from 47CFR 90.210(d), 74.462 (c) and 22.359 (b).

F1D portion of the designator indicates digital data.

Therefore, the entire designator for 12.5 kHz channelization digital data is 8K10F1D.

#### **Digital (12.5 kHz Channelization, Digital Voice):**

Emission Designator 8K10F1E

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA 102.CAAA-D Section 2.2.5. The emission mask was obtained from 47CFR 90.210(d), 74.462 (c) and 22.359 (b).

F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 12.5 kHz channelization digital voice is 8K10F1E.

#### **Digital (12.5 kHz Channelization, Digital TDMA):**

Emission Designator 8K10F1W

The 99% energy rule (title 47CFR 2.989) was used for digital mode and is more accurate than Carson's rule. It basically states that 99% of the modulation energy falls within X kHz, in this case, 8.10 kHz. Measurements were performed in accordance with TIA/EIA 102.CAAA-D Section 2.2.5. The emission mask was obtained from 47CFR 22.359 (b).

F1W portion of the designator indicates digital TDMA.

Therefore, the entire designator for 12.5 kHz channelization digital TDMA is 8K10F1W.

**Exhibit 6E- 1 Occupied Bandwidth Digital Data 8K10F1D (Part 22) Frequency = 158.55 MHz**

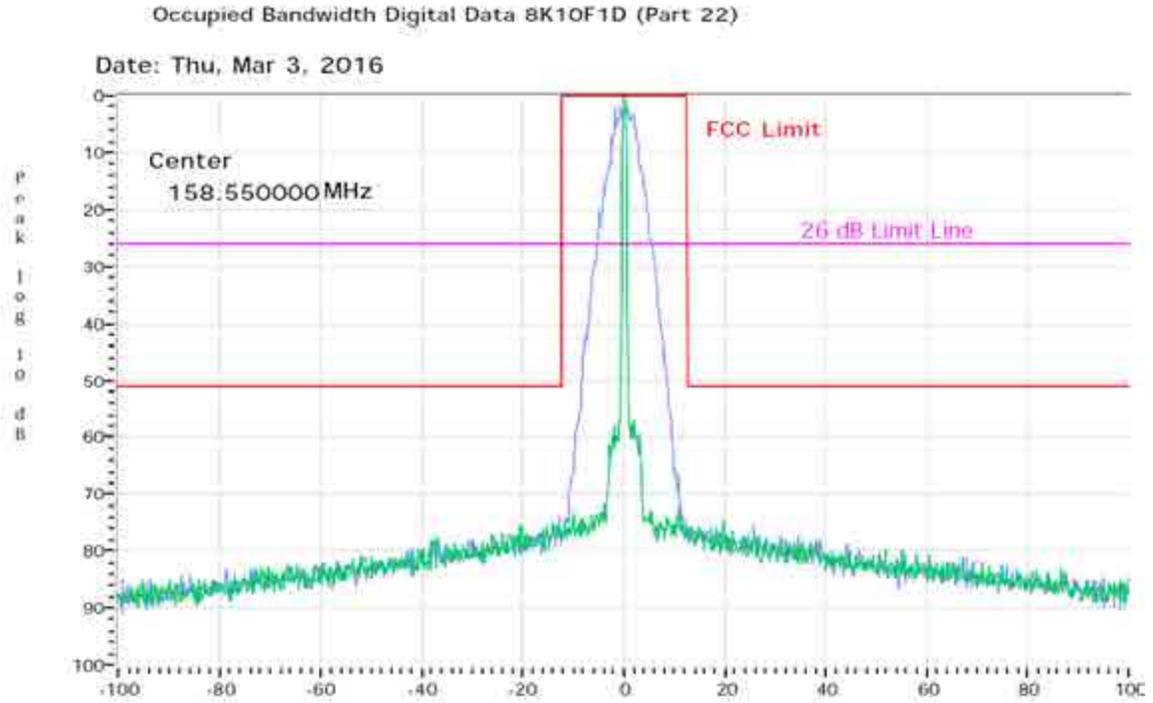
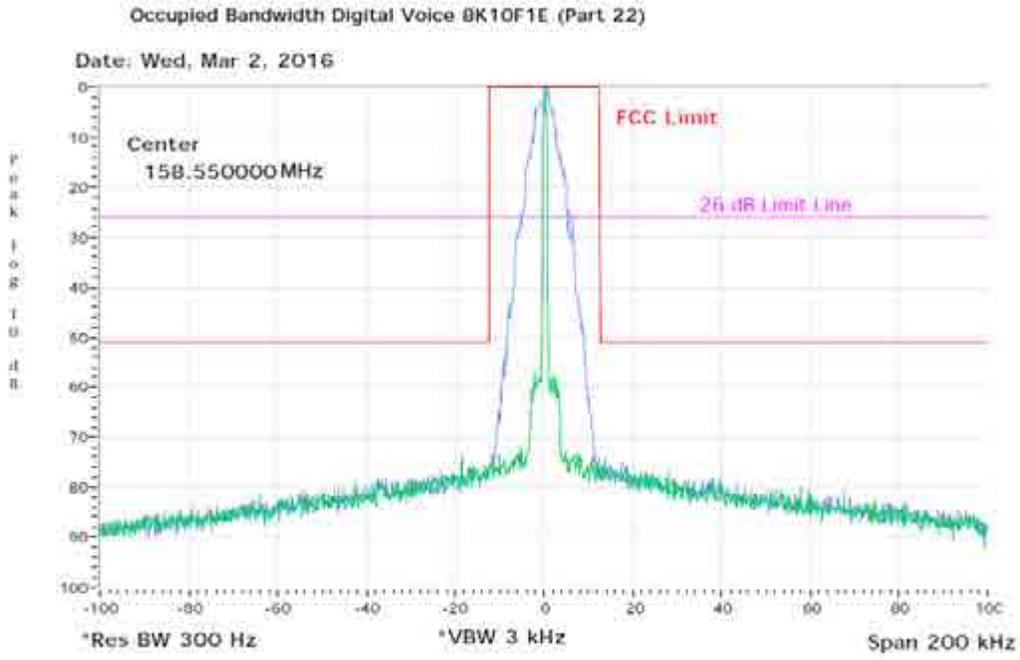
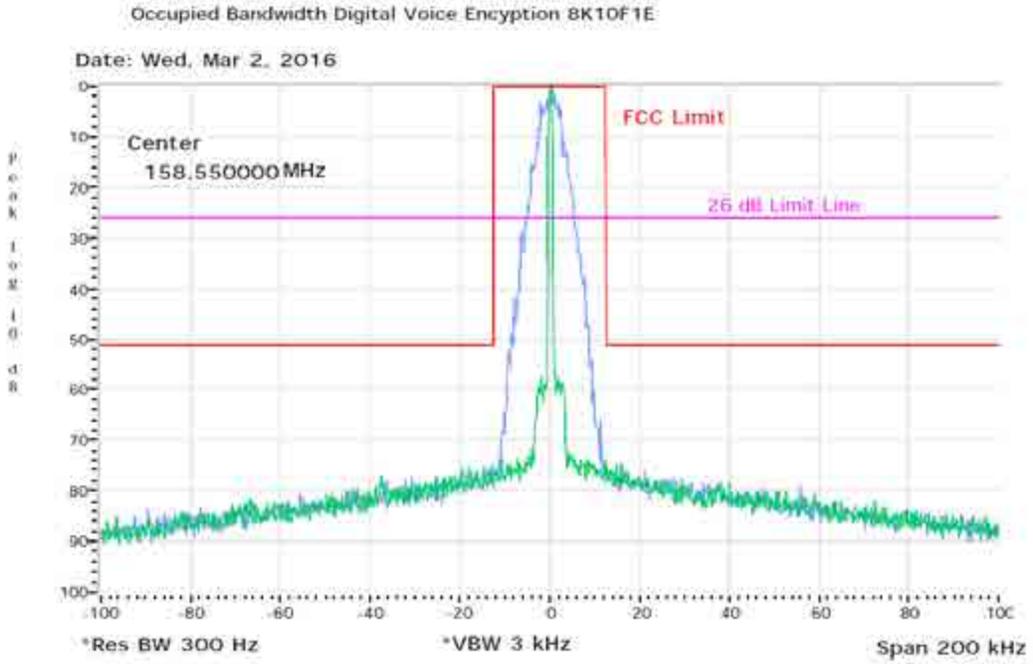


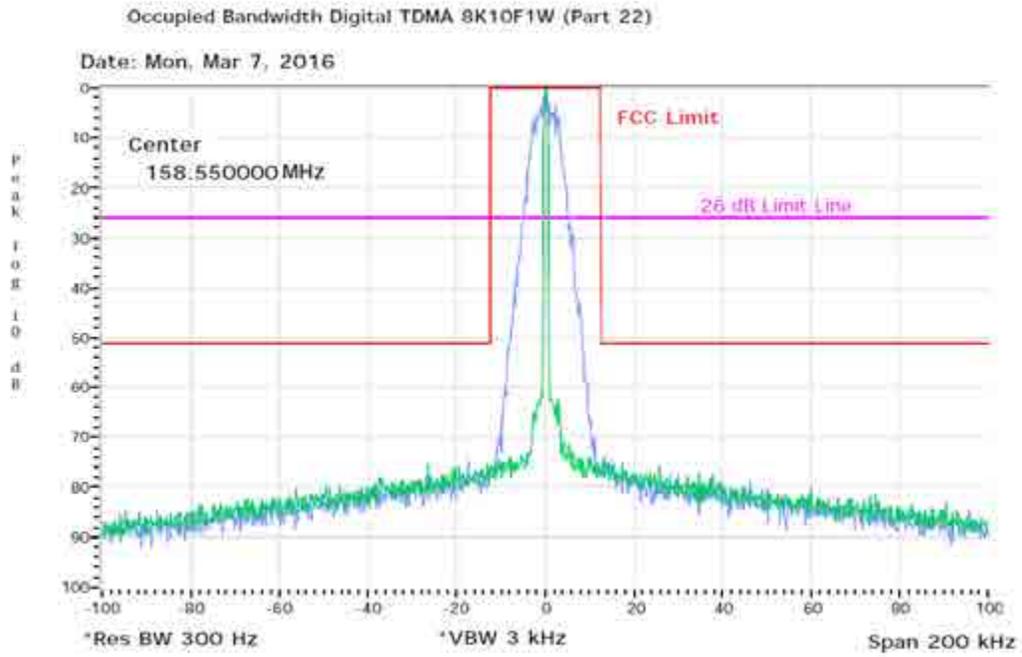
Exhibit 6E- 2 Occupied Bandwidth Digital Voice 8K10F1E (Part 22) Frequency = 158.55 MHz



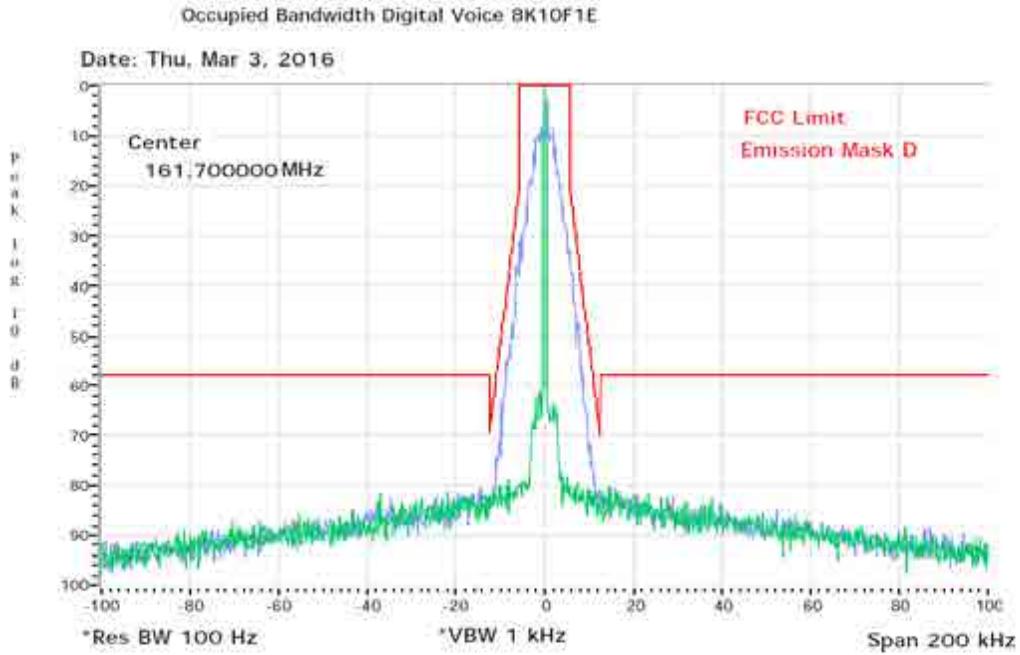
**Exhibit 6E- 3 Occupied Bandwidth Digital Voice Encryption 8K10F1E (Part 22) Frequency = 158.55 MHz**



**Exhibit 6E- 4 Occupied Bandwidth Digital TDMA 8K10F1W (Part 22) Frequency = 158.55 MHz**

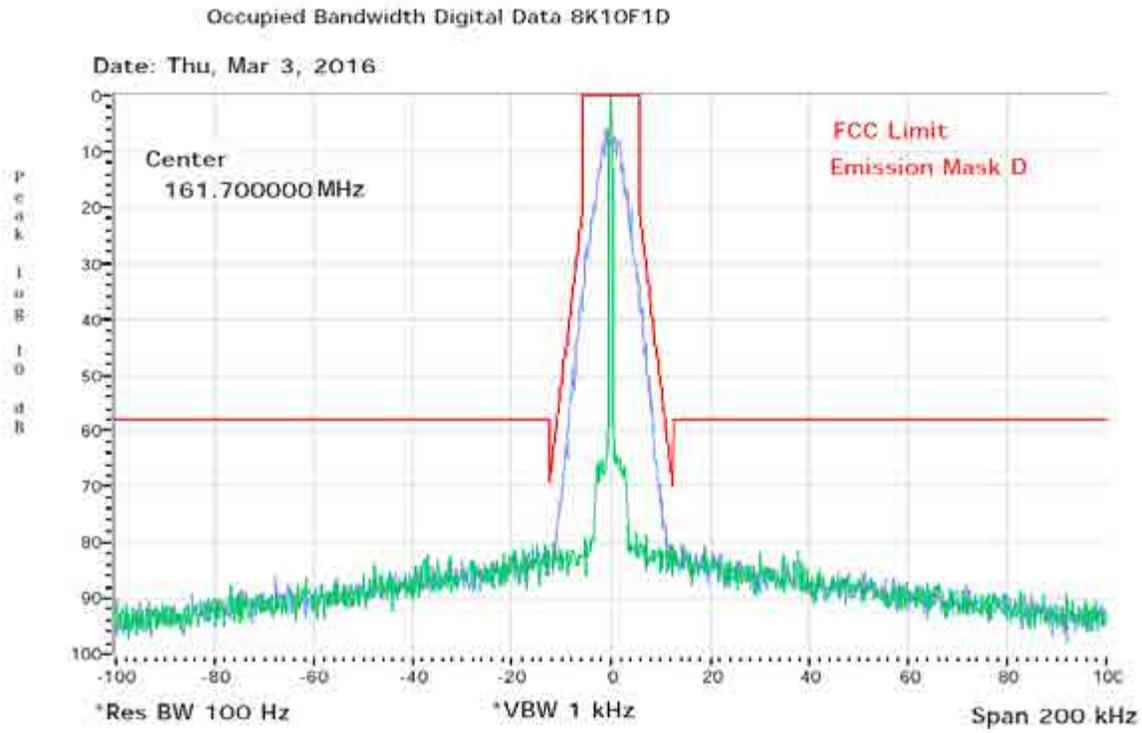


**Exhibit 6E- 5 Occupied Bandwidth Digital Voice 8K10F1E Frequency = 161.7 MHz**



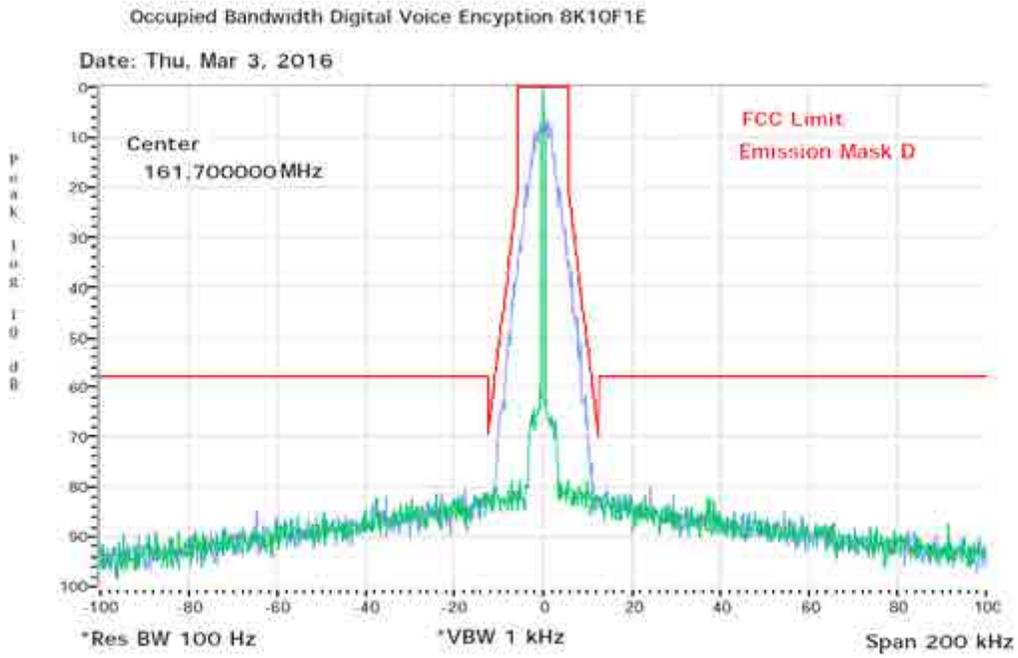
The data above is presented for rule part 47CFR 74.462(c).

**Exhibit 6E- 6 Occupied Bandwidth Digital Data 8K10F1D Frequency = 161.7 MHz**



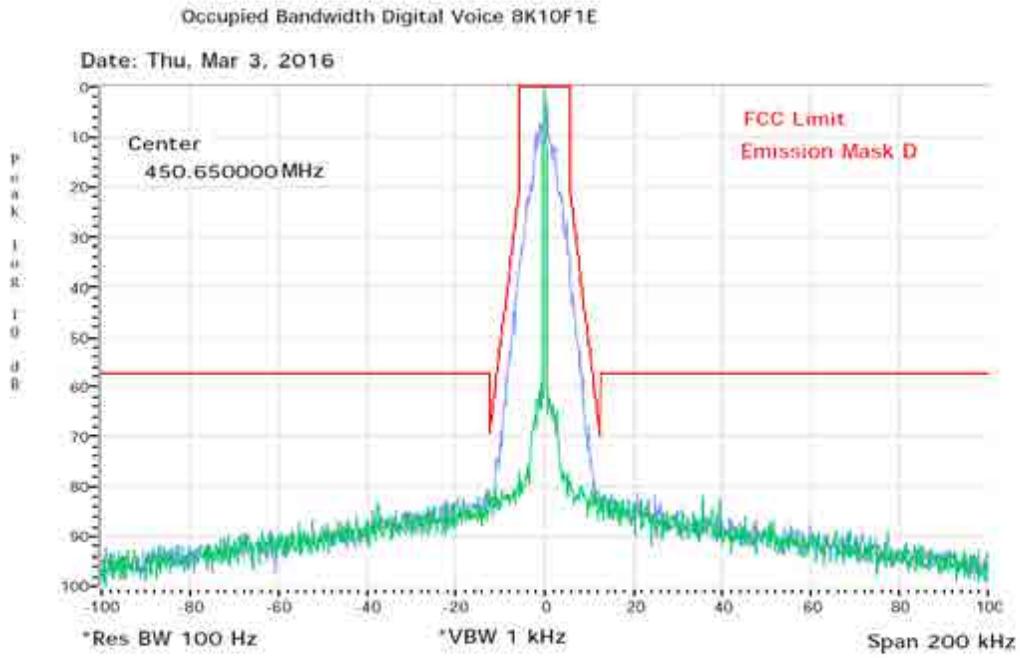
The data above is presented for rule part 47CFR 74.462(c).

**Exhibit 6E- 7 Occupied Bandwidth Digital Voice Encryption 8K10F1E Frequency = 161.7 MHz**



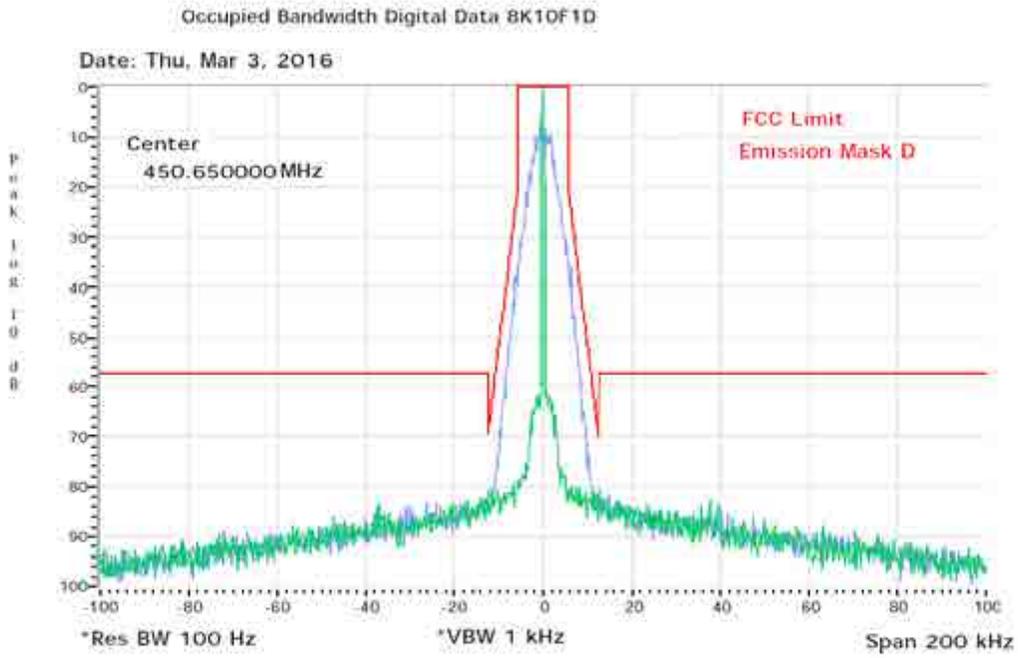
The data above is presented for rule part 47CFR 74.462(c).

**Exhibit 6E- 8 Occupied Bandwidth Digital Voice 8K10F1E Frequency = 450.065 MHz**



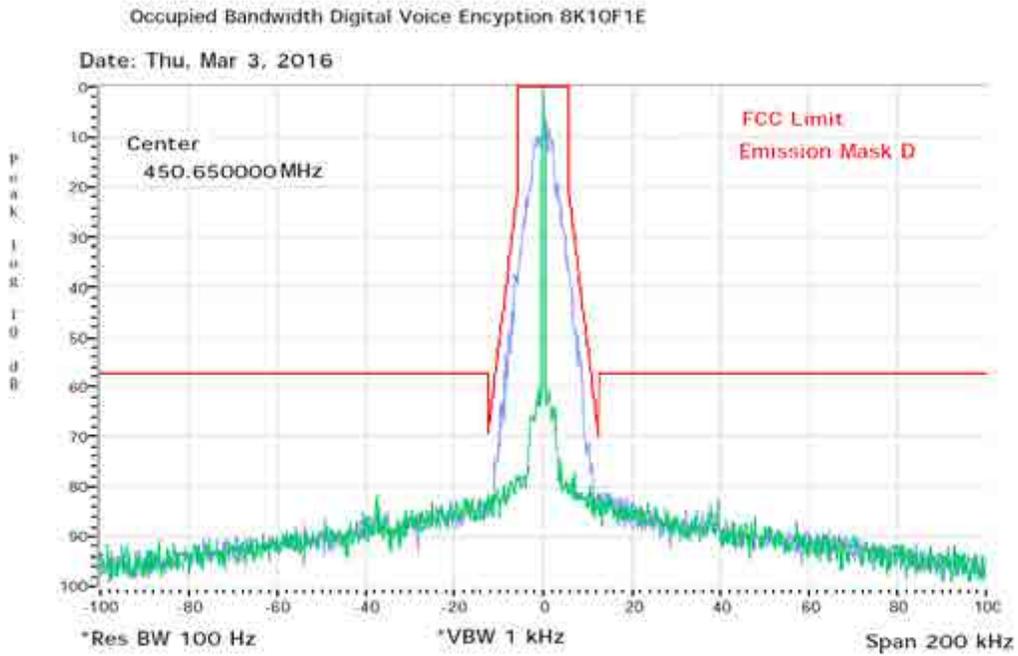
The data above is presented for rule part 47CFR 74.462(c).

**Exhibit 6E- 9 Occupied Bandwidth Digital Data 8K10F1D Frequency = 450.065 MHz**



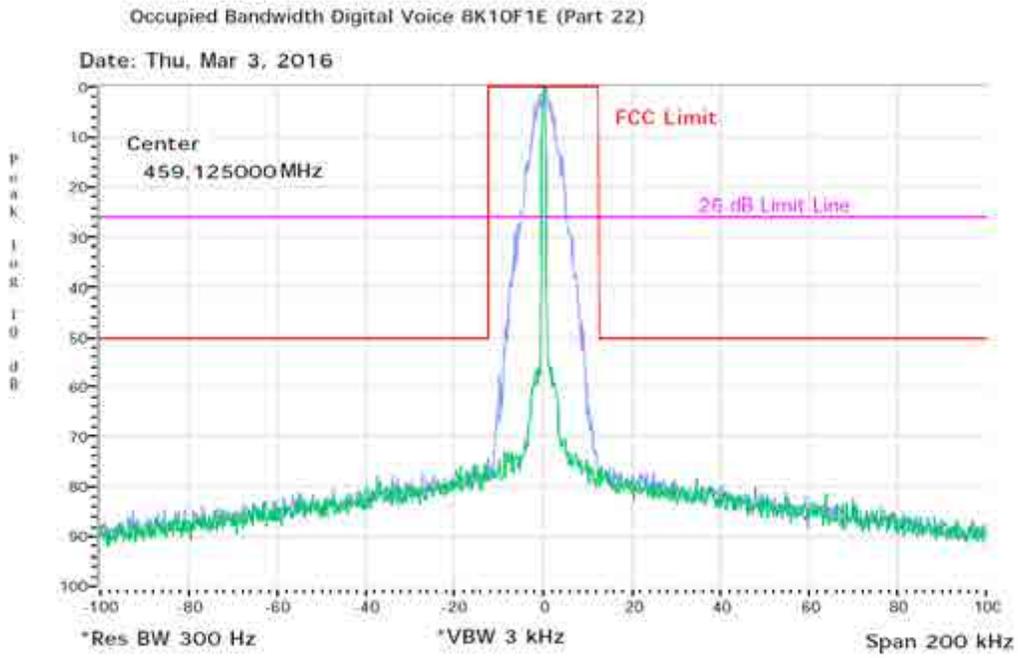
The data above is presented for rule part 47CFR 74.462(c).

**Exhibit 6E- 10 Occupied Bandwidth Digital Voice Encryption 8K10F1E Frequency = 450.065 MHz**

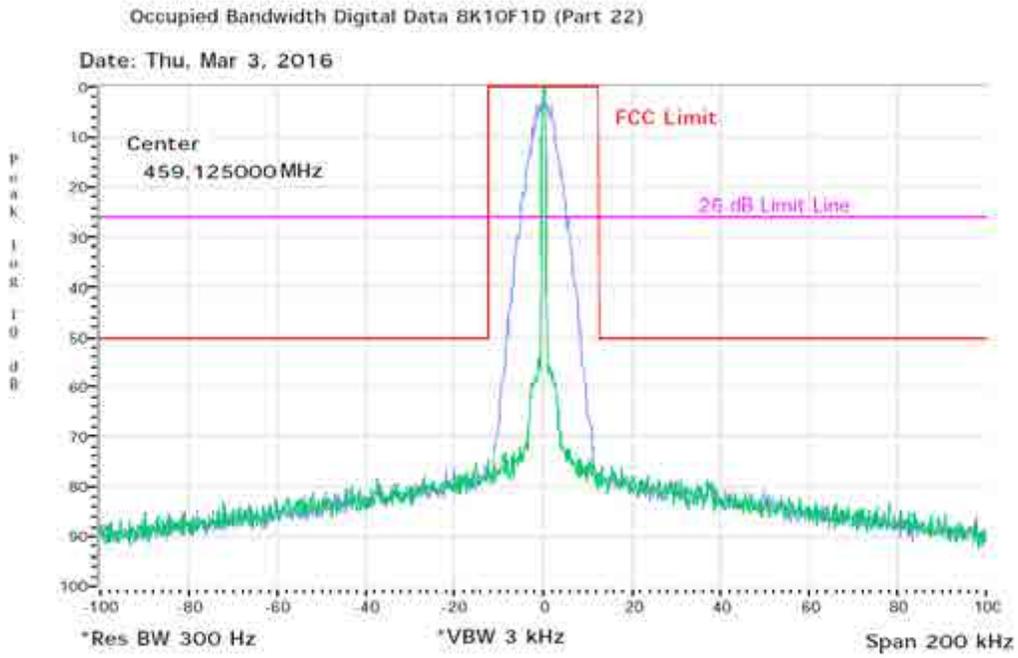


The data above is presented for rule part 47CFR 74.462(c).

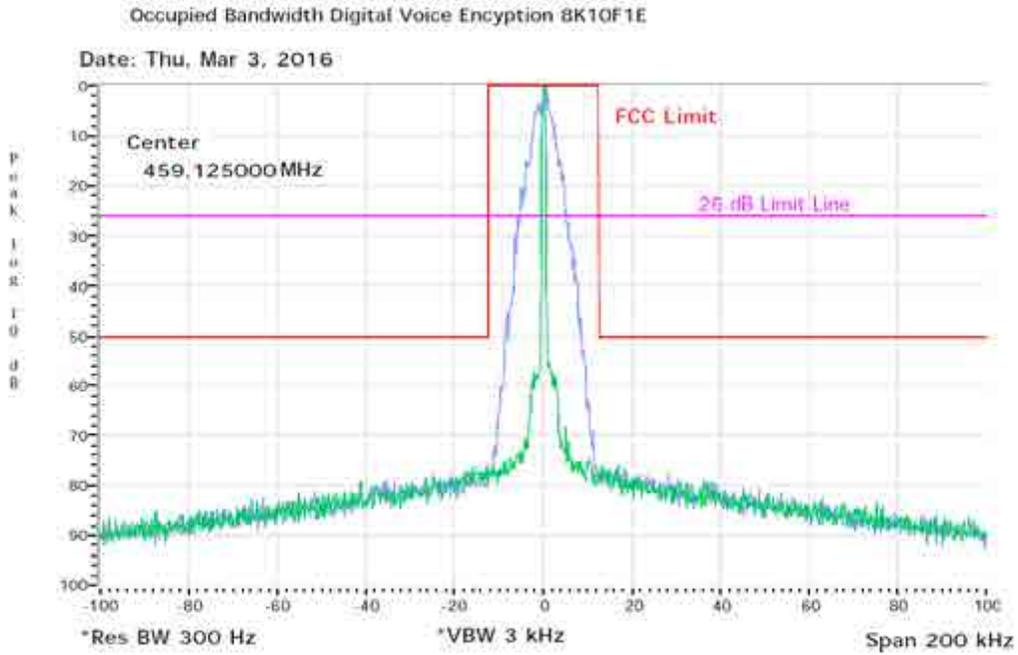
Exhibit 6E- 11 Occupied Bandwidth Digital Voice 8K10F1E (Part 22) Frequency = 459.125 MHz



**Exhibit 6E- 12 Occupied Bandwidth Digital Data 8K10F1D (Part 22) Frequency = 459.125 MHz**



**Exhibit 6E- 13 Occupied Bandwidth Digital Voice Encryption 8K10F1E (Part 22) Frequency = 459.125 MHz**



**Exhibit 6E- 14 Occupied Bandwidth Digital TDMA 8K10F1W (Part 22) Frequency = 459.125 MHz**

