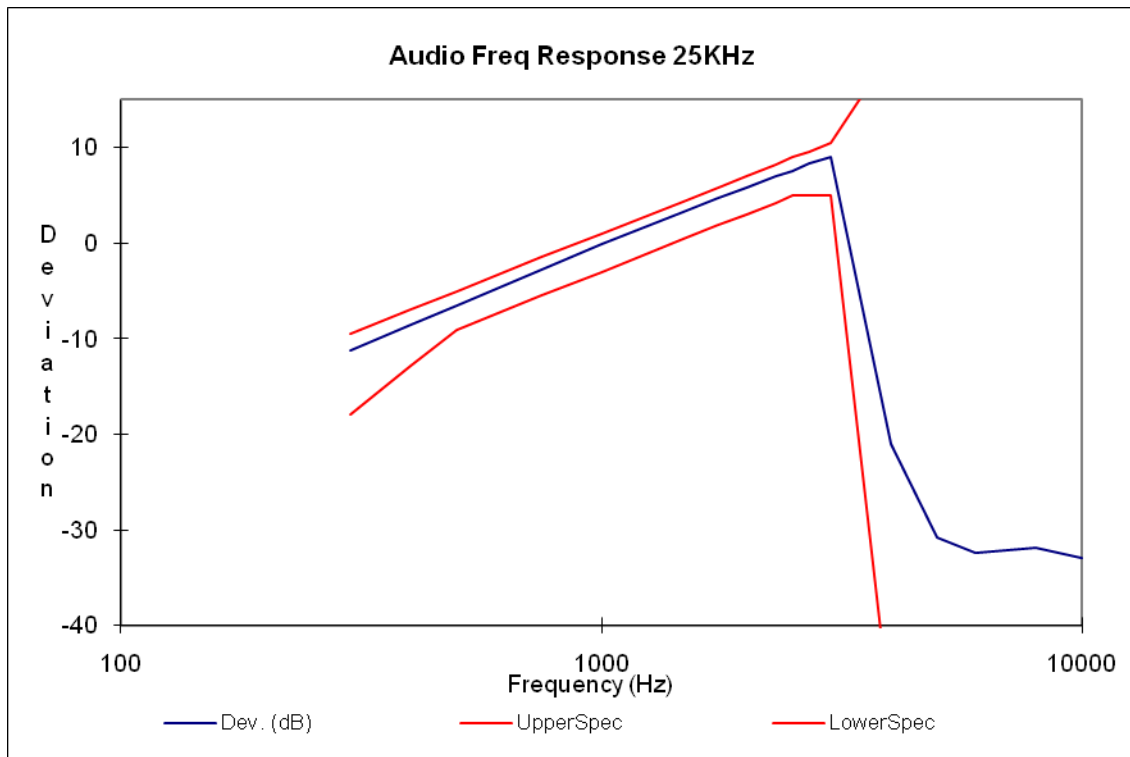
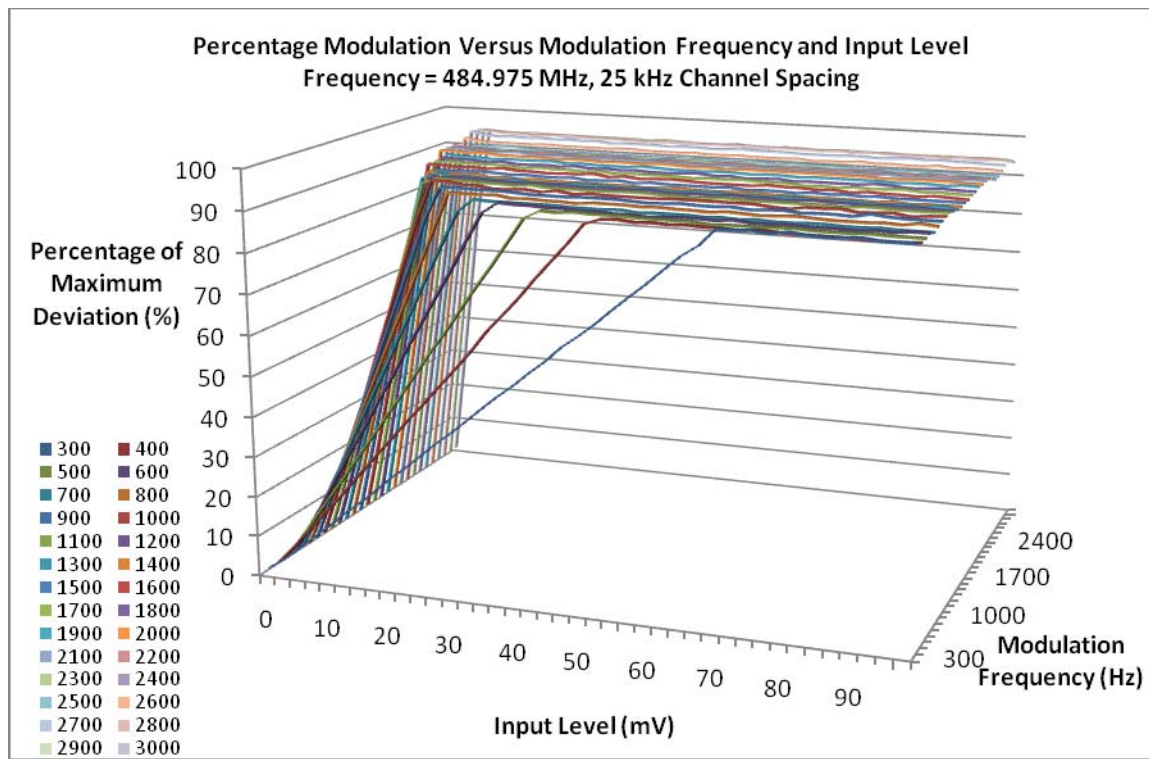


Submitted Measured Data

<u>MEASUREMENT</u>	<u>EXHIBIT</u>	<u>NUMBER OF PAGES</u>
1. Audio Frequency Response	6B-1	1
2. Modulation Limiting	6D-1	1
3. Occupied Bandwidth	6E-1	2
4. Transient Frequency Behavior	6J-1	1

Note: Data was tested to show compliance to RSS102, RSS119, and RSS210.

Audio Frequency Response (Freq: 484.975MHz, ChSp: 25 kHz)

Modulation Limiting

The Percentage of Max. Deviation on the "Z" axis is referenced to 2.5kHz for 25kHz bandwidth

Occupied Bandwidth Data**BANDWIDTH CALCULATIONS:**

Carson's Rule for FM modulation is utilized to compute the bandwidth shown in the FCC emission designator. Carson's Rule is:

$$BW = 2 * (M + D) \quad \text{where: } BW = \text{Bandwidth}$$

M= Maximum modulating frequency

D = Deviation

Shown below are the calculations required for FCC ID: AZ489FT4858.

EXHIBIT 6E-1

Standard Audio Modulation (25 kHz Channelization, Analog Voice):

Emission Designator 16K0F3E

In this case, the maximum modulating frequency is 3 kHz with a 5 kHz deviation.

$$BW = 2(M+D) = 2*(3 \text{ kHz} + 5 \text{ kHz}) = 16 \text{ kHz} \Rightarrow 16K0$$

F3E portion of the designator indicates voice.

Therefore, the entire designator for 25 kHz channelization analog voice is 16K0F3E.

EXHIBIT 6E-2

Digital Modulation (20 kHz Channelization, Analog Voice with encryption):

Emission Designator 20K0F1E

In this case, the maximum modulating frequency is 6 kHz with a 4 kHz deviation.

$$BW = 2(M+D) = 2*(6 \text{ kHz} + 4 \text{ kHz}) = 20 \text{ kHz} \Rightarrow 20K0$$

F1E portion of the designator indicates digital voice.

Therefore, the entire designator for 20 kHz channelization analog voice is 20K0F1E.

Occupied Bandwidth (Analog Voice: 16K0F3E)
Frequency = 485.025 MHz Channel Spacing = 25 kHz

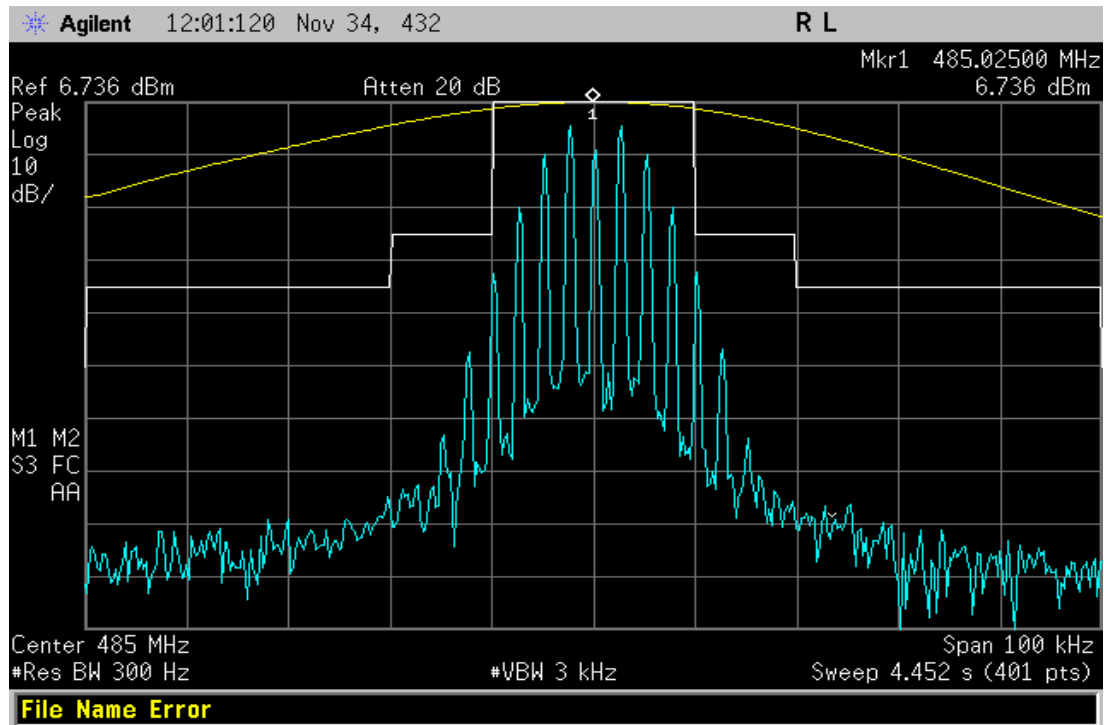


Exhibit 6E-1A

Occupied Bandwidth (Analog Voice Encryption: 20K0F1E)
Frequency = 485.025 MHz Channel Spacing = 20 kHz

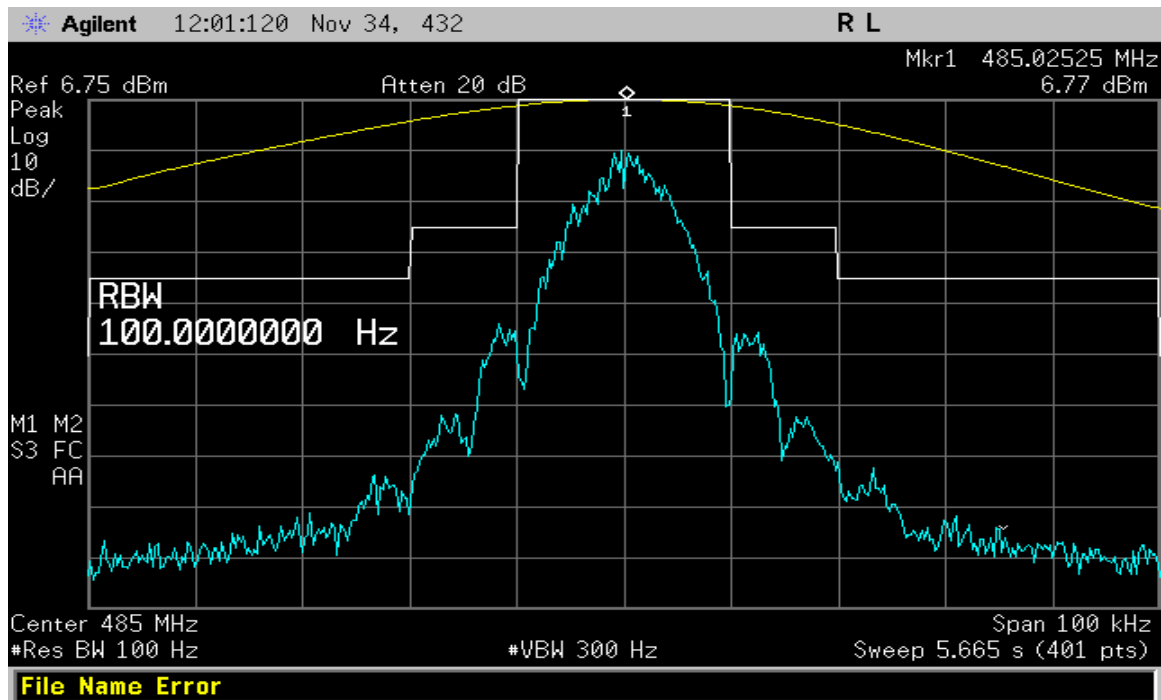


Exhibit 6E-1B

Transient Frequency Behavior

Transmit at 485.025MHz – 25 kHz Channel Spacing – Transmitter On

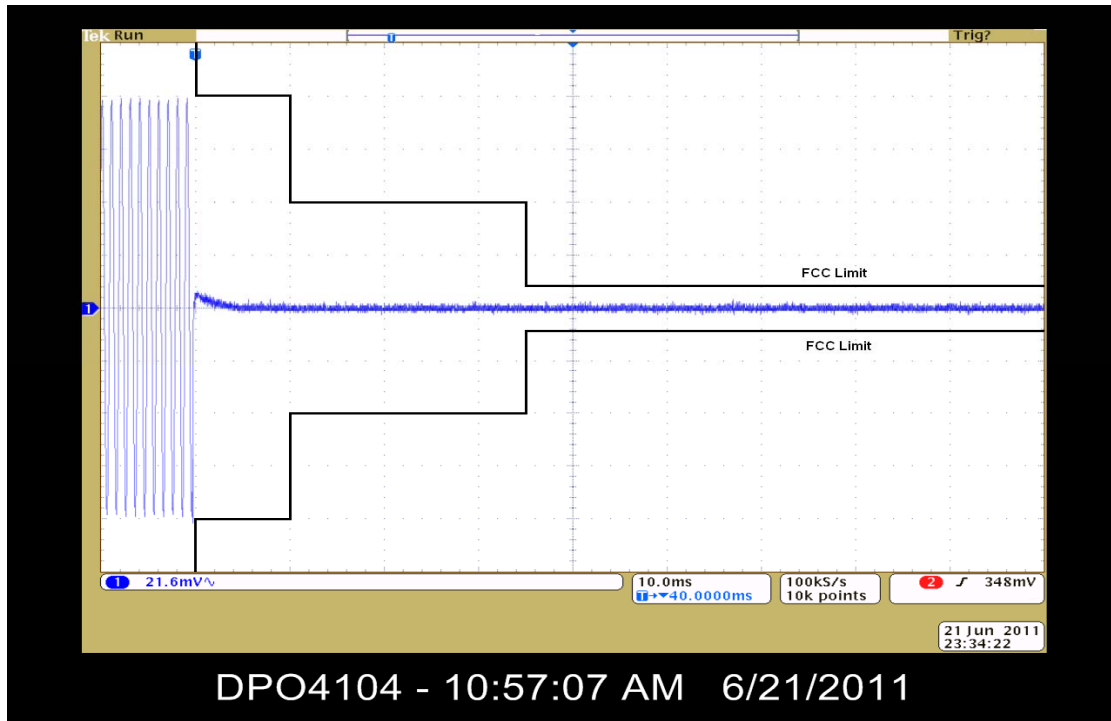


Exhibit 6J-1A

Transmit at 485.025 MHz – 25 kHz Channel Spacing – Transmitter Off

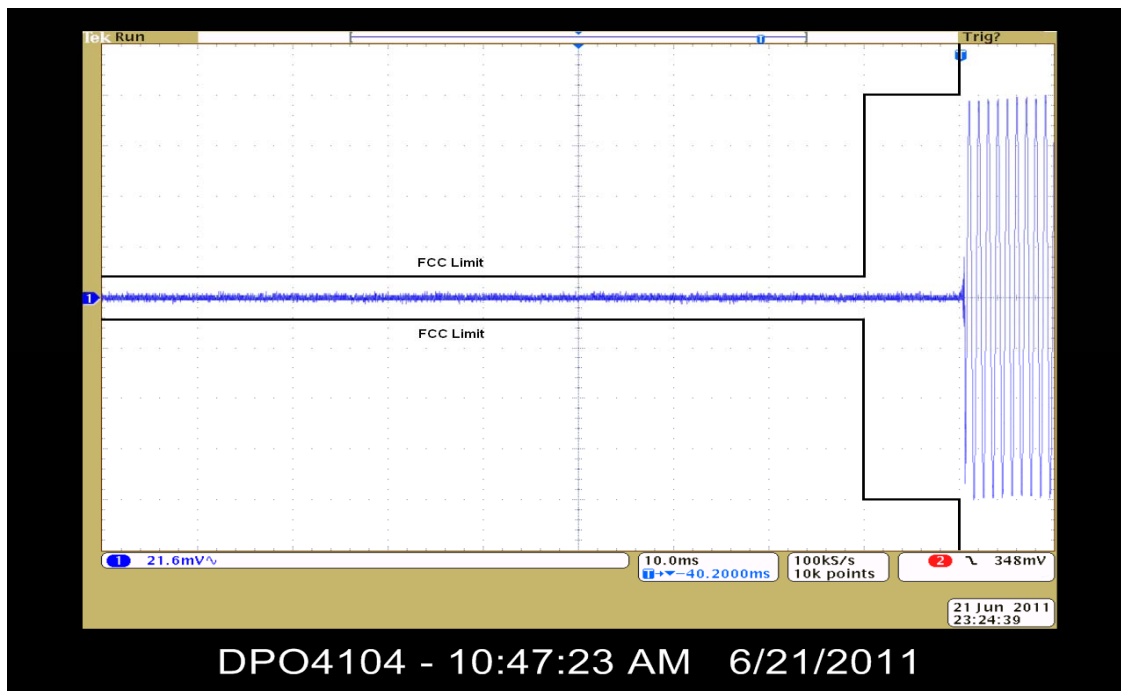


Exhibit 6J-1B