

OCCUPIED BANDWIDTH

Method of Measurement Per 2.989 (c,1) Data on Occupied Bandwidth is presented in the form of a spectrum analyzer plot which illustrates the transmitter sidebands. A plot is taken of the carrier sideband modulated with a 2500 Hz tone at a level 16 dB greater than that required to produce 50 percent modulation. (The spectrum analyzer grid indicates the reference level of the carrier unmodulated in all exhibits.)

SECTION 3B,C,H
Telephony

$$B_n = 2M + 2DK \text{ where}$$

$$\begin{aligned} M &= 3000 \text{ Hz} \\ D &= 2000 \text{ Hz} \\ K &= 1(\text{assumed}) \end{aligned}$$

$$B_n = 10000$$

Therefore, Emission Designator are,
10K0F3E

SECTION 3D & I
Data, Digital Voice

$$B_n = 2(B/2) + 2DK \text{ where}$$

$$\begin{aligned} B &= 9600 \text{ Hz} \\ D &= 2000 \text{ Hz} \\ K &= 1(\text{assumed}) \end{aligned}$$

$$B_n = 13600$$

Therefore, Emission Designators are,
13K6F1D
13K6F1E