

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

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

$$M = 3000 \text{ Hz}$$

$$D = 2000 \text{ Hz}$$

$$K = 1 \text{ (assumed)}$$

$$Bn = 10000$$

Therefore, Emission Designator are,

10K0F3E

SECTION 3D & I
Data, Digital Voice

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

$$B = 9600 \text{ Hz}$$

$$D = 2000 \text{ Hz}$$

$$K = 1 \text{ (assumed)}$$

$$Bn = 13600$$

Therefore, Emission Designators are,

13K6F1D

13K6F1E