# OCCUPIED BANDWIDTH

(FOR 25 kHz CHANNELIZATION)

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 Telephony

Bn = 2M + 2DK where

M = 3000 Hz
D = 5000 Hz
K= 1(assumed)

Bn = 16000 Hz
Therefore, Emission Designator = 16K0F3E

SECTION 3C Telephony

Bn = 2(B/2) + 2DK where

B = 9600 Hz
D = 3200 Hz
K = 1(assumed)

Bn = 16000 Hz
Therefore, Emission Designator = 16K0F1D(Data),
16K0F1E(Digital Voice)

# OCCUPIED BANDWIDTH

(FOR 12.5 kHz CHANNELIZATION)

Method of Measurement Per 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 D,E
Telephony

Bn = 2M+2DK where

M = 3000 Hz
D = 2000 Hz
K = 1 (assumed)

Bn = 10000 Hz
Therefore, Emission Designator = 10K0F3E

Section E,F

Bn = 2(B/2) + 2DK where

B = 4800 bps
D = 1800 bps
K =1 ( assumed )

Bn = 8400 Hz
Therefore, Emission Designator = 8K0F1D
Control Channel Data only