SECTION 3

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,C,G,H	$Bn = 2M + 2DK$ where	$M = 3000$ Hz
Telephony		$D = 4300$ Hz
		$K = 1$(assumed)

$$Bn = 14600$$
Therefore, Emission Designator = 14K6F3E

SECTION 3D	$Bn = 2(B/2) + 2DK$ where	$B = 9600$ Hz
Data, Digital Voice		$D = 3000$ Hz
		$K = 1$(assumed)

$$Bn = 15600$$
Therefore, Emission Designators are,
15K6F1D
15K6F1E

SECTION 3

OCCUPIED BANDWIDTH

(FOR NPSPAC 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 E,F $\qquad$ Bn = 2M+2DK where $\qquad$ M = 3000 Hz
Voice $\qquad$ D = 3800 Hz
$\qquad$ K = 1 (assumed)

$$Bn = 13600 \, Hz$$
Therefore, Emission Designator = 13K6F3E

Section G $\qquad$ Bn = 2(B/2) + 2DK where $\qquad$ B = 9600bps
 Data $\qquad$ D = 2400 bps
$\qquad$ K=1 (assumed

$$Bn= 14400Hz$$

Therefore, Emission Designator=14K4F1D, 14K4F1E