

Emission Designators

According to e-CFR 2.202 bandwidths and using the following formula for digital modulations:

Multilevel Frequency Shift Keying	$B_n = (R/\log_2 S) + 2DK$
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Where

- for 4FSK modulation:

R=9600 bps

S=4

D=1400 Hz

K=1

--> we get $B_n = 7600$ Hz

Emission designators: 7K60FXD and 7K60FXE

- for C4FM modulation:

R=9600 bps

S=4

D=1650 Hz

K=1

--> we get $B_n = 8100$ Hz

Emission designators: 8K10F1D and 8K10F1E

Analogue Voice Modulation

25 kHz channel spacing F3E/G3E

$BW_n = 2M + 2DK = 2 \times 3 + 2 \times 5 \times 1 = 16$ kHz

Emission designators 16K0F3E and 16K0G3E

12.5 kHz channel spacing F3E/G3E

$BW_n = 2M + 2DK = 2 \times 3 + 2 \times 2.5 \times 1 = 11$ kHz

Emission designators 11K0F3E and 11K0G3E