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1.) These emissions are defined as follows:

16K0F3E

FM Voice with 5 kHz Deviation

3kHz Maximum modulation frequency

$$BW = 2M + 2DK, K=1$$

$$= 2 * 3 + 2 * 5 * 1 = 16\text{kHz or } 16\text{K0}$$

16K0F9W

FM Voice with sub-audible data

Voice 4.25 kHz Deviation

3 kHz Maximum modulation frequency

Data 0.75 kHz Deviation

.300 kHz Data rate

$$BW = 2*3 + 2* (4.25 + .75) *1 = 16\text{KHz of } 16\text{K0}$$

11K0F3E

FM Voice with 2.5 kHz Deviation

3.0 kHz Maximum modulation frequency

$$BW = 2*3 + 2* 2.5*1 = 11\text{kHz or } 11\text{K0}$$

11K0F9W

FM Voice with sub-audible data

Voice 2.2 kHz Deviation

3 kHz Maximum modulation frequency

Data 0.3 kHz Deviation

.300 kHz Data rate

$$BW = 2*3 + 2* (2.2 + 0.3) *1 = 11\text{KHz of } 11\text{K0}$$