

PM-9900

Emission Designator and Necessary Bandwidth Calculation

Frequency Designator: F1D

Necessary Bandwidth = $2M + 2DK = 2 \times 600 + 2 \times 3100 \times 1.2 = 8.64 \text{ K}$

Where

M = Maximum modulation frequency = $B/2 = 1200/2 = 600 \text{ bps}$

D = Peak frequency deviation = 3.1 K from the bandwidth plot

K = 1.2

Emission Designator = 8K64F1D