

2.13 FCC RULES AND REGULATIONS PART 2.202: NECESSARY BANDWIDTH AND EMISSION BANDWIDTH

Type of Emission: F3E

Necessary Bandwidth and Emission Bandwidth:

12.5kHz (NB channel) : $B_n = 11K0F3E$

25kHz (WB channel): $B_n = 16K0F3E$

Calculation:

Max modulation(M) in kHz : 3

Max deviation (D) in kHz: 2.5 (NB) and 5 (BB)

Constant factor (K) : 1

$B_n = 2 \times M + 2 \times D \times K$