



COMPANY NAME: TOPAZ3, L.L.C..
EUT: SM-3450 MOBILE RADIO
CLIENT REFERENCE NUMBER: QRTL00-316
WORK ORDER NUMBER: 2000301
FCC ID: 07KSM3450U2

10 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

$B_n = 2xM + 2xDK$