CALCULATION OF RF HAZARD LIMITS (MPE)

FOXCOM WIRELESS LTD

FCC ID: OJFLITENNA0DB0P1

RF Hazard Distance Calculation

Maximum antenna gain, per user manual: 10 dBi

mW/cm2 from Table1: 0.60 = f/1500 (f = 869 MHz)

Max RF Power TX Antenna MPE

P, dBm G, dBi Safe Distance, cm

24.0 10.0 18.3

Basis of Calculations:

E²/3770 = S, mW/cm2 E, V/m = (Pwatts*Ggain*30)⁵/d, meters d = ((Pwatts*G*30)/3770*S))⁶/0.5

Pwatts*Ggain = $10^{PdBm-30+GdBi}$

NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less