MPE Calculations

Applicant: RadioLAN Marketing Group
FCC ID: MCI-397

RF Hazard Distance Calculation

mW/cm2 from Table1:   1.00

Max RF Power	TX Antenna	MPE
P, dBm	G, dBi	Safe Distance, cm
18.0	9.0	6.3
18.0	23.5	33.5

Basis of Calculations:

E^2/3770 = S, mW/cm2
E, V/m = (Pwatts*Ggain*30)^.5/d, meters
d = ((Pwatts*G*30)/3770*S))^0.5   Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)

NOTE: For fixed location transmitters, minimum separation distance is 2m,
**   even if calculations indicate MPE distance is less**