



Prediction of MPE limit at a given distance

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Maximum peak output power at antenna input terminal: _____ (dBm)
Maximum peak output power at antenna input terminal: _____ (mW)
Antenna gain(typical): _____ (dBi)
Maximum antenna gain: _____ (numeric)
Time Averaging: _____ 100 (%)
Prediction distance: _____ (cm)
Prediction frequency: _____ (MHz)
MPE limit for uncontrolled exposure at prediction frequency: _____ #N/A (mW/cm^2)

Power density at prediction frequency: #VALUE! (mW/cm^2)

Margin of compliance: #VALUE! (dB)