

Prediction of MPE limits at a given distance

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

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: 19.55 dBm

Maximum peak output power at antenna input terminal: 90.2 mW

Antenna gain (typical): 5 dBi

Maximum antenna gain: 5 dBi

Time Averaging: 100 %

Prediction distance: 20 cm

Prediction frequency: 2440 MHz

MPE limit for uncontrolled exposure at prediction frequency: 1mW/cm^2

Power density at prediction frequency: 0.056 mW/cm^2

Results: Well below the limit