



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 EIRP: 40.30 (dBm)
Source-Based Time Averaging 50.00 (%)
Corrected max peak EIRP power: 37.29 (dBm)
Maximum peak EIPR power: 5357.597 (mW)
Prediction distance: 21 (cm)
Prediction frequency: 2600 (MHz)
MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: 0.966766 (mW/cm²)