



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: 37.20 (dBm)

Source-Based Time Averaging 50.00 (%)

Corrected max peak EIRP power: 34.19 (dBm)

Maximum peak EIPR power: 2624.037 (mW)

Prediction distance: 20 (cm)

Prediction frequency: 2600 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: **0.522036** (mW/cm²)