**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 device output terminal: | 26.36 | (dBm) |
| Cable and Jumper loss | 0.0 | (dB) |
| Maximum peak output power at antenna input terminal: | 26.36 | (dBm) |
| Maximum peak output power at antenna input terminal: | 432.513831 | (mW) |
| Single Antenna gain(typical): | -4 | (dBi) |
| Number of Antennae | 1 | |
| Total Antenna gain(typical): | -4 | (dBi) |
| Maximum antenna gain: | 0.398107171 | (numeric) |
| Prediction distance: | 50 | (cm) |
| Prediction frequency: | 851 | (MHz) |
| MPE limit for uncontrolled exposure at prediction frequency: | 0.567333333 | (mW/cm^2) |
| Power density at prediction frequency: | 0.005481 | (mW/cm^2) |
| | 0.054809 | (W/m^2) |
| Maximum allowable antenna gain: | 16.14988174 | (dBi) |
| Margin of Compliance: | 20.14988174 | dB |