**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: | 37.00 | (dBm) |
| Maximum peak output power at antenna input terminal: | 5011.872336 | (mW) |
| Antenna gain(maximum): | 9 | (dBi) |
| Maximum antenna gain: | 7.943282347 | (numeric) |
| Time Averaging: | 100 | (%) |
| Prediction distance: | 100 | (cm) |
| Prediction frequency: | 941 | (MHz) |
| MPE limit for uncontrolled exposure at prediction frequency: | 0.627 | (mW/cm^2) |
| Power density at prediction frequency: | 0.316804 | (mW/cm^2) |
| Margin of compliance: | -3.0 | (dB) |
| This equates to: | 3.168036204 | W/m^2 |