**Prediction of MPE Limit**

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***Equation from page 18***

$$S = \frac{PG}{4\pi R^2}$$

$$R = \sqrt{\frac{PG}{4\pi S}}$$

**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

**Choose**

Occupational/Controlled ◉
General Population/Uncontrolled ○

| | | |
|---|---|---|
| Tx Frequency: | **136.00** | (MHz) |
| Maximum Peak Power at Antenna Input Terminal: | **47.000** | (dBm) |
| Antenna gain : | **0.00** | (dBi) |

| | | |
|---|---|---|
| **S=** | **1.0000** | (mW/cm^2) |
| **P=** | **50118.7234** | (mW) |
| **G=** | **1.0000** | (numeric) |

**R = 63.1532 (cm)**

| **S (mw/cm^2) at specific distance in cm** | Enter distance desired in cm |
|---|---|
| 9.960000668 | 20 |