

**Prediction of MPE Limit
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Equation used

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

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

- 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 -(BTS)

General Population/Uncontrolled -(CPE)

ENTER

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Tx Frequency: 2402.00 (MHz)

Maximum Peak Power at Antenna Input Terminal: -0.74 (dBm)

Antenna gain (typical)+9dB for 8-element array: -0.10 (dBi)

S= 1.00 (mW/cm²)

P= 0.84 (mW)

G= 0.98 (numeric)

R = 0.26 (cm)

The antenna(s) used for this transmitter is an integral non-changeable part of the Keyboard. The calculated values of MPE for this device shows that MPE is safe to within 0.1 inches of the antenna.