

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	
		
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.