

MPE Calculations

FCC part 1.1310, Table 1 limits the power density for uncontrolled exposure to $1\text{mW}/\text{cm}^2$ for systems operating in FCC Part 15. The distance, $d(\text{cm})$ from the antenna at which the power density, $P_d (\text{mW}/\text{cm}^2)$ is below this limit is calculated from the maximum EIRP, $P_t (\text{mW})$ using the equation:

$$P_d = P_t / (4 \pi d^2)$$

Frequency	Maximum Output Power (dBm)	Max. Antenna Gain (dBi)	EIRP (mW)	Pd at 20cm	
2401.6 – 2477.8 MHz	27	2	5011.9	0.158	½ wave antenna
2401.6 – 2477.8 MHz	27	10	794.3	0.997	Yagi antenna
2401.6 – 2477.8 MHz	27	10	5011.9	0.997	Omni Directional Antenna

A warning statement has been placed in the user manual