

## MPE Evaluation Information

The device has a standalone transmission.

The minimum separation distance between a transmitter and nearby persons is more than 20 cm under normal operating conditions, compliance with MPE limits may be determined at such distance from the transmitter

### FCC LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

#### (A) Limits for Occupational/Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f <sup>2</sup> )*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6

The maximum tune-up limit power is 212 mW @ 2.412 GHz,  
Antenna Gain + 0 dBi

EIRP = the maximum output power + antenna gain

The power density at 20cm from the antenna:

$$\begin{aligned} &= \text{EIRP} / 4\pi R^2 \\ &= 0.0422 \text{ mW} / \text{cm}^2 \end{aligned}$$