

## RF exposure

The output power of the EUT is 10 mW and the gain of the antenna is 3 dBi

The following information provides the minimum separation distance for the EUT, as calculated from **FCC OET 65 Appendix B, Table 1B** "Guidelines for General Population/Uncontrolled Exposure"

This calculation is based on the highest EIRP possible from the EUT considering maximum power and antenna gain. The formulas were used:

GP limit is = 0.62 mW/cm<sup>2</sup> for 928 MHz (from F/1500)

S= E<sup>2</sup>/3770 mW/cm<sup>2</sup>

E or V/m = (ERP\*30)<sup>0.5</sup>/d, (d in meters)

d = ((ERP\*30)/3770\*S)<sup>0.5</sup>

Freq. MHz	S mW/cm <sup>2</sup>	Maximum RF power dBm	Antenna Gain dBi	ERP watts	E V/m	MSD d meters
927	0.618	10	3	0.020	48.3	0.016

GP is the limit for general Population/Uncontrolled Exposure

MSD is the minimum Separation Distance

**NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less**