

## RF Exposure

This calculation is based on the highest EIRP possible from the EUT considering maximum power and antenna gain.

The highest output power of the EUT is 0.955 W and the gain of the antenna is 0 dBi

### 1 MINIMUM SEPARATION DISTANCE PER OET 65

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"

Transmitter	MHz	Max Power dBm	Max Ant Gain dBi	Duty Cycle %	EIRP W	(S) GP Limit mW/cm <sup>2</sup>	MSD Meters	MPE Ratio from 20 cm	Notes
Part 90	460	29.8	0	100.0	0.9550	0.307	0.1574	0.787	Peak
Total MPE Ratio								0.787	

Notes on the above table:

- a. S is the power density General Population Limit from OET 65 table 1B
- b.  $MSD \text{ (Minimum Separation Distance)} = ((EIRP * 30) / 3770 * S)^{0.5}$

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

Since the MSD is less than 20 cm when using the peak reading with no duty cycle reduction, the duty cycle was not calculated. Installed, the EUT will have a 1% or less duty cycle.