

## RF Exposure

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

The highest effective output power of the EUT is 6.1 mW

### 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"

Freq.	S	Maximum	Antenna			MSD
MHz	GP limit	RF power	Gain	EIRP	EIRP	d
	mW/cm <sup>2</sup>	dBm	dB	dBm	watts	meters
927	0.618	7.9	0	7.9	0.0062	0.0089

GP is the limit for general Population/Uncontrolled Exposure

MSD is the minimum Separation Distance

Notes on above table.

(S) GP limit is from OET 65 table 1B

EIRP = Power in dBm + Antenna Gain in dBi

MSD (Minimum Separation Distance) =  $((\text{EIRP} \times 30) / (3770 \times \text{S}))^{0.5}$

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

### 2 RF EVALUATION FOR RSS-102E

Since the e.i.r.p. of the Product is 6.1 mW, it is exempt from routine SAR and RF exposure evaluations in accordance to Sections 2.5.1 or 2.5.2 of RSS-102e.