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 11.9 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. MHz	S GP limit mW/cm^2	Maximum RF power dBm	Antenna Gain dB	EIRP dBm	EIRP watts	MSD d meters
915	0.61	10.8	0	10.8	0.0120	0.0125

GP is the limit for general Population/Uncontrolled Exposure
MSD is the minimum Seperation 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) = $((EIRP*30)/3770*S))^{0.5}$

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

2 RF EVAULATION FOR RSS-102E

Since the e.i.r.p. of the Product is 11.9 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.

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