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 251 mW 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"

Freq. MHz	S GP limit mW/cm^2	Maximum Peak RF power dBm	Antenna Gain dB	EIRP dBm	EIRP watts	MSD d meters
2450	1	24	0	24	0.2512	0.0447

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 EUT is not handheld and the e.i.r.p. of the Product is 251 mW Peak it is exempt from routine SAR and RF exposure evaluations in accordance to Sections 2.5.1 or 2.5.2 of RSS-102e.

The following information provides the calculation for section 4.2 of RSS-102e for the General Public.

Freq. MHz	Peak RF Power dBm	Antenna Gain dB	Effective RF power dBm	Effective RF power mW	Seperation Distance meters	RF field from EUT V/m	Exposure GP limit V/m rms
2450	24	0	24	251.19	0.200	13.7	61.4

GP is the limit for general Public

Note on above table.
ERP = (V/m * dist)^2/30