RF Exposure

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

The highest PEAK output power of the EUT is 670 mW and the gain of the antenna is 2 dBi. This is not a hand held device.

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
2437	1	28.3	2	30.3	1.0715	0.0923

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