## RF exposure

FCC ID: CH8A9081XXYY-07

The 2.4 GHz transmitter Peak Power has a 23.3 dBm output with 2 dBi antenna gain

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"

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

GP limit is = 1 mW/cm^2 above 1.5 GHz S= E^2/3770 mW/cm^2 E or V/m = (ERP\*30)^0.5/d, (d in meters) d = ((ERP\*30)/3770\*S))^0.5

	S	PEAK	Antenna			MSD
Freq.	GP limit	RF power	Gain	ERP	E	d
MHz	mW/cm^2	dBm	dBi	watts	V/m	meters
2462	1	23.3	2	0.339	61.4	0.052

GP is the limit for general Population/Uncontrolled Exposure MSD is the minimum Seperation Distance

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

MPE for the transmitter is 20 cm.