RF exposure

FCC ID: CH8A90VZ10XX06

The 5.8 GHz transmitter Peak Power is 15.2 dBm output with 3 dBi antenna gain
The 2.4 GHz transmitter Peak Power is 26.6 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

Freq. MHz	S GP limit mW/cm^2	PEAK RF power dBm	Antenna Gain dBi	ERP watts	E V/m	MSD d meters
2473	1	26.6	2	0.724	61.4	0.076
5850	1	15.2	3	0.066	61.4	0.023

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 both transmitters is 20 cm.