

# RF exposure

FCC ID: CH8A90HS1058

The 5.8 GHz transmitter Peak Power is 11 dBm output with 3 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<sup>2</sup> above 1.5 GHz

$S = E^2 / 3770 \text{ mW/cm}^2$

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 <sup>2</sup>	PEAK RF power dBm	Antenna Gain dBi	ERP watts	E V/m	MSD d meters
5850	1	11	3	0.025	61.4	0.014

GP is the limit for general Population/Uncontrolled Exposure

MSD is the minimum Separation 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.