# RF exposure

FCC ID: SS6ISC-T8411E

The output power of the EUT is 225 Watts.

The following information provides the minimum separation distance for the EUT, as calculated from **FCC OET 65 Appendix B, Table 1A** "Guidelines for Limits for Occupational/Controlled 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 = 0.2 mW/cm^2 for 138-174 MHz
225 Watts = 54 dBm
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 | Maximum RF power dBm | Antenna Gain dBi | ERP watts | E V/m | MSD d meters |
|---|---|---|---|---|---|---|
| 174 | 1 | 53.5 | 2 | 354.813 | 61.4 | 1.680 |

GP is the limit for Occupational/Controlled Exposure
MSD is the minimum Seperation Distance

Minimum Separation Distance (MSD) is 1.68 meters