

Appendix A: FCC Part 1.1307, 1.1310, 2.1091, 2.1093; IC RSS-Gen: RF Exposure

Using FCC 1.1310 Table 1B as guidance, the maximum permissible RF exposure for an uncontrolled environment is 1 mW/cm² for the frequencies used in this device (2405 to 2470 MHz). This power for the band of operation is used for the calculation below.

The actual power density for the EUT calculated as shown below.

$$S = (P \times G) / (4 \times \pi \times d^2)$$

where:

S = power density

P = transmitter conducted power in (mW)

G = antenna numeric gain

d = distance to radiation center (20 cm)

Frequency (MHz)	Antenna Gain (dBi)	Conducted Power (W)	Separation Distance (cm)	Power Density (mW/cm ²)
2405-2470	3.3	0.107	4.2	0.045

NOTICE:

Radiation Exposure Statement

The calculated separation distance is well below 20 cm. The recommended separation distance for this equipment is 20 cm.