## RF EXPOSURE STATEMENT

## **Notice in Installation Manual:**

## **FCC Radiation Exposure Statement**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment, when installed as directed. This equipment should be installed and operated with fix-mounted antennas that are installed with a minimum of 2 meters of separation distance between the antenna and all persons' body during normal operation.

## RF Exposure Calculations:

The following information provides the **minimum** separation distance for the highest gain antenna provided with the the **Model: G2-2400 Transceiver**, as calculated from **FCC OET 65 Appendix B, Table 1B** Guidlines for General Population/Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0 mW/cm^2 uncontrolled exposure limit. The Friss formula used was:

$$S = (Po*G) / (4*Pi*r^2)$$
 or  $r = \sqrt{(Po*G) / (4*Pi*S)}$ 

Where  $S = 1.0 \text{ mW/cm}^2 \text{ for } 2400 \text{ MHz}$ 

Where Po = 10 mW (Peak RF)

Where G = Isotropic antenna gain (1.0 numeric)

Where r = Minimum Safe Distance from antenna (cm)

For: PCB mounted 0 dBi Antenna ....... r = 0.9 cm