

RF Exposure Calculations:

The following information provides the minimum separation distance for each of the antennas provided with the **MHX-920** module, 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 system, considering maximum power and antenna gain. The formula used was:

$$S = (P_o * G) / (4 * \pi * r^2)$$

Where S = 0.6 mW/cm² for 902.47 MHz

Where P_o = 100 mW for Yagi antennas (max. power set at factory)

Where P_o = 1.0 Watt for Omni antennas (max. power user configurable)

For:	12 dB Yagi Antenna	r = 14 cm
	2.5dB Omni Antenna	r = 15 cm
	6 dB Omni Antenna	r = 23 cm

The following statement will be presented in the **MHX-920** User Manual:

WARNING

In order to comply with the FCC/IC adopted RF exposure requirements, this transmitter system will be installed by the manufacturer's reseller professional. Installation of all antennas must be performed in a manner that will provide at least 23 cm clearance from the front radiating aperture, to any user or member of the public