

## RF Exposure Calculations:

The following information provides the minimum clearance distance for the 7 dBi Omni antenna provided with the Winncom Technologies AMP100 system, 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  $S = 1.0 \text{ mW/cm}^2$  for 2400 MHz.

Where  $P_o = 800 \text{ mW max.}$

For: 7 dBi Omni Antenna - Winncom Model WRO2400-70 ....  $r = 18 \text{ cm}$   
Antenna Description: 23 inch omni whip

The following statement will be presented in the AMP1000 User Manual:

### **WARNING**

In order to comply with the FCC adopted RF exposure requirements, this transmitter system will be installed by the manufacturer's resaler professional. Installation of the 23 inch, 7 dBi Omni antenna must be performed in a manner that will provide at least 18 cm clearance from the antenna, to any personnel such as employee or member of the public.