

## **Estimated Worst Case Maximum Permissible Exposure Distance**

### **1. 2.4GHz 14dBi 120 Degree Sector Panel Antenna**

$$S = \text{EIRP} / 4\pi R^2$$

$$\text{Output Power} = 100\text{mW}$$

$$S = 1\text{mW}/\text{cm}^2$$

$$\text{Minimum Distance} = 10.5\text{cm}$$

### **2. 2.4GHz 8dBi Omni-Directional Antenna**

$$S = \text{EIRP} / 4\pi R^2$$

$$\text{Output Power} = 100\text{mW}$$

$$S = 1\text{mW}/\text{cm}^2$$

$$\text{Minimum Distance} = 7.9\text{cm}$$

## **Estimated Maximum Permissible Exposure at 20cm Distance**

### **1 2.4GHz 14dBi 120 Degree Sector Panel Antenna**

$$S = \text{EIRP} / 4\pi R^2$$

$$\text{Output Power} = 100\text{mW}$$

$$S = 0.278\text{mW}/\text{cm}^2$$

### **2. 2.4GHz 8dBi Omni-Directional Antenna**

$$S = \text{EIRP} / 4\pi R^2$$

$$\text{Output Power} = 100\text{mW}$$

$$S = 0.159\text{mW}/\text{cm}^2$$