

## RF Hazard Distance Calculation

mW/cm<sup>2</sup> from Table1:

**1.00**

Max RF Power  
P, dBm

TX Antenna  
G, dBi

MPE  
Safe Distance, cm

**13.0**

**0.0**

**1.3**

### **Basis of Calculations:**

$$E^2/3770 = S, \text{ mW/cm}^2$$

$$E, \text{ V/m} = (P_{\text{watts}} * G_{\text{gain}} * 30)^{.5} / d, \text{ meters}$$

$$d = ((P_{\text{watts}} * G_{\text{gain}} * 30) / (3770 * S))^{.5} \quad P_{\text{watts}} * G_{\text{gain}} = 10^{(P_{\text{dBm}} - 30 + G_{\text{dBi}}) / 10}$$