

<b>Foxcom Wireless</b>						
<b>FCC ID: OJFMODULE810</b>						
<b>RF Hazard Distance Calculation</b>						
<b>mW/cm2 from Table1: 1.00</b>						
Max RF Power	TX Antenna	MPE				
P, dBm	G, dBi	Safe Distance, cm				
21.0	5.0	5.6				
21.0	2.0	4.0				
<b>Basis of Calculations:</b>						
$E^2/3770 = S, \text{ mW/cm}^2$						
$E, \text{ V/m} = (P_{\text{watts}} * G_{\text{gain}} * 30)^{.5} / d, \text{ meters}$						
$d = ((P_{\text{watts}} * G_{\text{gain}}) / 3770 * S)^{.5}$ $P_{\text{watts}} * G_{\text{gain}} = 10^{(P_{\text{dBm}} - 30 + G_{\text{dBi}}) / 10}$						
<b>NOTE: For mobile or fixed location transmitters, minimum separation distance is 20 cm, even if calculations indicate MPE distance is less</b>						