Invensys Controls

RF Module

| **FCC ID:** | QI2-EMS2400 |
| **IC:** | 4636A-2400 |

RF Hazard Distance Calculation

mW/cm2 from Table1: **1.00** (E: 61 V/m)

Max RF Power	TX Antenna	MPE	MPE, inches	Comment
P, dBm	G, dBi	Safe Distance, cm		
4.5	**2.0**	**0.4**	**0.2**	omni monopole
4.5	**3.5**	**0.7**	0.3	inverted F

Basis of Calculations:

E^2/3770 = S, mW/cm2

E, V/m = (Pwatts*Ggain*30)^.5/d, meters

d = ((Pwatts*G*30)/3770*S))^0.5   Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)

NOTE: For mobile or fixed location transmitters, minimum separation distance is for FCC compliance is 20 cm,
even if calculations indicate MPE distance is less