RF Exposure (MPE) Calculations

905 - 924.6 MHz DTS Radio

Applicant: **Invensys Metering Systems**

FCC ID: **KCHMXU530E**

RF Hazard Distance Calculation (worst case)

mW/cm2 from Table1: **0.60**

Max RF Power P, dBm	TX Antenna G, dBi	MPE Safe Distance, cm
21.6	**2.2**	**5.6**

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)