RF Hazard Distance Calculation

952-956 MHz Par 101 MAS Transmitter
Invensys Metering Systems

FCC ID: KCHVXU3600

mW/cm2 from Table1: **0.63**

Max RF Power	TX Antenna	MPE
P, dBm	G, dBi	Safe Distance, cm
41.3	**2.2**	**52.9**

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)

The transmitter is used exclusively on utility company vehicles. Antennas are roof mounted diples (2.15 dBi).

An informative notice will be placed in the user manual cautioning operators to maintain a separation distance of at least 53 cm (21 inches) from all persons during operation of the transmitter.