# COMPANY NAME: KYOCERA
# PROJECT #: 04I2701-2

## MPE CALCULATION:

Formula used in the MPE Calculations:

E^2/3770 = S, mW/cm2
Pwatts*Ggain = 10^(PdBm-30+GdBi)/10)
E, V/m = (Pwatts*Ggain*30)^.5/d, meters
d = ((Pwatts*G*30)/3770*S))^0.5 --------- (A)

Since

| | | |
|---|---|---|
| S (mW/cm2) = | 1.0 | from 1.1310 Table 1 |
| P (dBm) = | 31.8 | EUT output power (EIRP) |
| G (dBi) = | 0 | EUT antenna gain |

Substitute these parameters into the A above, we have
MPE safe distance d (cm) = 10.8

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