MPE CALCULATION for OTC 2.4GHz SPREAD SPECTRUM STATION RADIO

FCC ID: MKZ2411EZYLINK-E

Formular 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) = 1.00 from 1.1310 Table 1
P (dBm) = 21.62 EUT output power
G (dBi) = 9.0 EUT antenna gain

Substitute these parameters into the A above, we have
MPE safe distance d (cm) = 9.6 cm

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