APPLICANT: SYMBOL FCC ID: H9PCCRF5020 MPE CALCULATION for 2.5 dBi ANTENNA

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) = 1.00 from 1.1310 Table 1 P (dBm) = 17.61 EUT output power G (dBi) = 2.50 EUT antenna gain

Substitute these parameters into the A above, we have MPE safe distance d(cm) = 2.86

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