MPE Limit Calculation: EUT's operating frequencies @ $\underline{2400-2483.5}$ MHz; highest conducted power = 19.17dBm (peak) therefore, **Limit for Uncontrolled exposure: 1** $\mathbf{mW/cm^2}$ or 10 $\mathbf{W/m^2}$

EUT maximum antenna gain = 2.1 dBi.

Equation from page 18 of OET 65, Edition 97-01

$$S = PG / 4\pi R^2 \qquad \text{or} \qquad R = \int\! PG / 4\pi S$$

where, $S = Power Density (1 mW/cm^2)$

P = Power Input to antenna (82.60mW)

G = Antenna Gain (1.62 numeric)

$$R = (82.60*1.62/4*3.14*1.0)^{1/2} = (133.97.34/12.56)^{1/2} = 3.26 cm \\ S = (82.60*1.62/4*3.14*20.0^2) = (133.97/5024) = \textbf{0.0267 mW/cm}^2 @ 20 cm separation$$