MPE Limit Calculation: EUT's operating frequencies @ 2400-2483.5 MHz; highest EIRP = 7.55 dBm (peak) therefore, **Limit for Uncontrolled exposure: 1 mW/cm^2 or 10 W/m^2**

EUT maximum antenna gain = 18 dBi.

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

$$S = PG / 4\pi R^2 \quad \text{or} \quad R = \sqrt{PG / 4\pi S}$$

where,   S = Power Density (1 mW/cm^2)
         P = Power Input to antenna (41.4mW)
         G = Antenna Gain (63.1 numeric)

$S = 5.69/4 \, \Pi \, (20)^2$

$S = 0.00113$ mW/cm^2