MPE Limit Calculation: EUT's operating frequencies @ 1851.25 – 1908.75 MHz; highest EIRP = 25.52 dBm (peak) therefore, **Limit for Uncontrolled exposure: 1 mWcm^2 or 10 W/m^2**

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

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

Where, S = Power Density (1 mW/cm^2)
PG = 25.52 dBm (356.45 mW)

$S = 356.45/4\pi R^2$

$S = 0.071$ mW/cm^2

MPE Limit Calculation: EUT's operating frequencies @ 824.7 – 848.31 MHz; highest ERP = 20.21 dBm (peak) therefore, **Limit for Uncontrolled exposure: 0.55 mWcm^2 or 5.5 W/m^2**

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

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

Where, S = Power Density (1 mW/cm^2)
PG = 20.21 dBm (105 mW)

$S = 105/4\pi R^2$

$S = 0.0209$ mW/cm^2