MPE Limit Calculation: EUT's operating frequencies @ 2412-2462 MHz; highest conducted power = 26.77dBm (peak) therefore, **Limit for Uncontrolled exposure: 1 mW/cm^2.**

EUT maximum antenna gain = 8 dBi.

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

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

where, S = Power Density mW/m^2
P = Power Input to antenna mili Watts
G = Numeric Antenna Gain
R = Distance to the center of radiation of the antenna (20 cm for Mobile minimum distance)

Antenna Numeric Gain = $10^{dBi/10}$

Power at antenna port = 476.5 mW

Antenna Gain = 8 dBi

Numeric antenna gain = $10^{8/10} = 6.31$

$S = (476.5)(6.31) / 4(3.1416)(20)^2$

$S = 0.598$ mW/cm^2

Therefore, EUT meets the Uncontrolled Exposure limit.

MPE Limit Calculation: EUT's operating frequencies @ 5725-5825 MHz; highest conducted power = 22.56 dBm (peak) therefore, **Limit for Uncontrolled exposure: 1 mW/cm^2.**

EUT maximum antenna gain = 9 dBi.

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

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

where, S = Power Density mW/m^2
P = Power Input to antenna milliwatts
G = Numeric Antenna Gain
R = Distance to the center of radiation of the antenna (20 cm for Mobile minimum distance)

Antenna Numeric Gain = $10^{dBi/10}$

Power at antenna port = 180.3 mW

Antenna Gain = 9 dBi

Numeric antenna gain = $10^{9/10} = 7.94$

$S = (180.3)(7.94) / 4(3.1416)(20)^2$

$S = 0.285$ mW/cm^2

Therefore, EUT meets the Uncontrolled Exposure limit.