Model: 6200Outdoor Unit

MPE CALCULATION

MPE Limit Calculation: EUT's operating frequencies @ 4940-4990 MHz; highest conducted power = 27.2dBm (peak) therefore, **Limit for Uncontrolled exposure: 1 mW/cm^2 or 10 W/m^2**

EUT maximum antenna gain = 21 dBi.

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

EUT with 23dBi Antenna

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

where, S = Power Density (1 mW/cm^2)
P = Power Input to antenna (524.8mW)
G = Antenna Gain (125.8 numeric)

$R = (66019.8/4*3.14)^{1/2} = (66019.8/12.56)^{1/2}$ = 72.5cm _in order to comply with 1 mW/cm^2