

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

$$S = \frac{PG}{4\pi R^2}$$

where: S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Maximum peak output power at device output terminal: 24.70 dBm

Cable and Jumper loss: 0.0 dB

Maximum peak output power at antenna input terminal: 24.70 dBm

295.1209227 mW

Single Antenna gain (typical): 3 dBi

Number of Antennae: 2

Total Antenna gain (typical): -0.010299957 dBi

0.997631157 (numeric)

Prediction distance: 20 cm

Prediction frequency: 2450 MHz

MPE limit for uncontrolled exposure at prediction frequency: 0.542364931 mW/cm²

Power density at prediction frequency: 0.058573 mW/cm²

0.585734 W/m²

Tx On time: 1.000000 ms

Tx period time: 1.000000 ms

Average Factor: 100.000000 %

Average Power density at prediction frequency: 0.585734 W/m²

Maximum allowable antenna gain: 9.655614558 dBi

Margin of Compliance: 9.665914515 dB