

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 antenna input terminal: 20.00 (dBm)

Maximum peak output power at antenna input terminal: 100 (mW)

Antenna gain(typical): 0 (dBi)

Maximum antenna gain: 1 (numeric)

Prediction distance: 10 (cm)

Prediction frequency: 450 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 0.3000 (mW/cm²)

Power density at prediction frequency: **0.079577** (mW/cm²)

Maximum allowable antenna gain: **5.763311** (dBi)



>10 cm. From closest part of handle to closest part of antenna. The orientation of the LCD display dictates that the user operate the EUT with the antenna away from the body in order to be able to read the display.

The manufacturer includes a warning statement in the user manual stating that a minimum 10 cm. Separation distance must be maintained.