

RF SAFETY MPE calculation for this wall mounted Mobile device (greater than 20 cm)

***According to OET BULLETIN 56 Fourth Edition / August 1999,
Equation for Prediction RF Fields:***

$$S = \frac{P G}{4 \pi R^2} \quad S = \frac{6.59 \times 1.584}{4 \pi (20)^2} = 0.00207 \text{ mW} / \text{cm}^2$$

Where : S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g. mW)

W = 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 (in appropriate units, e.g. cm)