

Prediction of MPE limit at a given distance

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

2 Channel Combined EIRP (including antenna gain): 41.40 (dBm)

Prediction distance: 34 (cm)

Prediction frequency: 60000 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW /cm²)

Power density at prediction frequency: 0.950238 (mW /cm²)

Based on the calculation above, device complies with FCC RF radiation exposure limits for general population as a mobile device.