

FCC ID: 2AAMXESGRID1000

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

Maximum peak output power at the antenna terminal: **18.70** (dBm)

Maximum peak output power at the antenna terminal: **74.13102413** (mW)

Antenna gain(typical): **3** (dBi)

Maximum antenna gain: **1.995262315** (numeric)

Prediction distance: **20** (cm)

Prediction frequency: **902.7** (MHz)

MPE limit for uncontrolled exposure at prediction frequency: **0.6018** (mW/cm²)

Power density at prediction frequency: **0.029426** (mW/cm²)

Therefore device complies with FCC RF radiation exposure limits
for general population in mobile exposure category (distance > 20cm)