

BC0

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: 8.20 (dBm)

Maximum peak output power at the antenna terminal: 6.60693448 (mW)

Antenna gain(typical): 0 (dBi)

Maximum antenna gain: 1 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 889.2 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 0.5928 (mW/cm²)

Power density at prediction frequency: **0.001314** (mW/cm²)

BC1

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: 13.50 (dBm)
Maximum peak output power at the antenna terminal: 22.38721139 (mW)
Antenna gain(typical): 0 (dBi)
Maximum antenna gain: 1 (numeric)
Prediction distance: 20 (cm)
Prediction frequency: 1956.25 (MHz)
MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: **0.004454** (mW/cm²)

EVDO

Prediction of MPE limit at a given distance

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

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: 15.40 (dBm)
Maximum peak output power at the antenna terminal: 34.67368505 (mW)
Antenna gain(typical): 0 (dBi)
Maximum antenna gain: 1 (numeric)
Prediction distance: 20 (cm)
Prediction frequency: 1956.25 (MHz)
MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: **0.006898** (mW/cm²)

One-X

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: 9.60 (dBm)
Maximum peak output power at the antenna terminal: 9.120108394 (mW)
Antenna gain(typical): 0 (dBi)
Maximum antenna gain: 1 (numeric)
Prediction distance: 20 (cm)
Prediction frequency: 1956.25 (MHz)
MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)

Power density at prediction frequency: **0.001814** (mW/cm²)

BC10

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: 5.74 (dBm)
Maximum peak output power at the antenna terminal: 3.749730022 (mW)
Antenna gain(typical): 0 (dBi)
Maximum antenna gain: 1 (numeric)
Prediction distance: 20 (cm)
Prediction frequency: 862.9 (MHz)
MPE limit for uncontrolled exposure at prediction frequency: 0.575267 (mW/cm²)

Power density at prediction frequency: **0.000746** (mW/cm²)

