

Product : **Tracking device**
Manufacturer: **BeOn IoT SAS**
FCC ID: **2AWL5A01912SA**

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: 5,32 (dBm)

Maximum peak output power at the antenna terminal: 3,404081897 (mW)

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

Maximum antenna gain: 2,13796209 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 2450 (MHz)

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

Power density at prediction frequency: 0,001448 (mW/cm²)

Maximum allowable antenna gain: 31,69269855 (dBi)

Maximum peak output power at the antenna terminal: 5,09 (dBm)

Maximum peak output power at the antenna terminal: 3,228494122 (mW)

Antenna gain(typical): 2,3 (dBi)

Maximum antenna gain: 1,698243652 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 2402 (MHz)

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

Power density at prediction frequency: 0,001091 (mW/cm²)

Maximum allowable antenna gain: 31,92269855 (dBi)