

FCC Id: **2ACLSFL58-45**

**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: 19.62 (dBm)

Maximum peak output power at the antenna terminal: 91.62204901 (mW)

Antenna gain(typical): 29 (dBi)

Maximum antenna gain: 794.3282347 (numeric)

Prediction distance: 80 (cm)

Prediction frequency: 5725-5850 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm<sup>2</sup>)

Power density at prediction frequency: 0.904920 (mW/cm<sup>2</sup>)

Maximum allowable antenna gain: 29.43389838 (dBi)

This equipment is intended to be used in fixed installations.

The minimum distance of 80cm between the product and user is assumed by the way that the equipment is fixed on a pole