Product name:    JN5179-001-M06
Manufacturer:    NXP Semiconductors
**FCC Id:        XXMJN5179M6**

## 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: | 19.04 | (dBm) |
| Maximum peak output power at the antenna terminal: | 80.16780634 | (mW) |
| Antenna gain(typical): | 2 | (dBi) |
| Maximum antenna gain: | 1.584893192 | (numeric) |
| Prediction distance: | 20 | (cm) |
| Prediction frequency: | 2400 | (MHz) |
| MPE limit for uncontrolled exposure at prediction frequency: | 1 | (mW/cm^2) |
| Power density at prediction frequency: | 0.025277 | (mW/cm^2) |
| Maximum allowable antenna gain: | 17.97269855 | (dBi) |