Product name: JN5179-001-U00
Manufacturer: NXP Semiconductors
FCC Id: **XXMJN5179U0**

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:	8.10	(dBm)
Maximum peak output power at the antenna terminal:	6.45654229	(mW)
Antenna gain(typical):	0.86	(dBi)
Maximum antenna gain:	1.218989599	(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:	0.001566	(mW/cm^2)
Maximum allowable antenna gain:	28.91269855	(dBi)