

Maximum Permissible Exposure (MPE) Evaluation

Applicant : YOKOTA INDUSTRIAL CO.,LTD.
Equipment : Wireless Unit
Model No. : WU-1
FCC ID : 2AMNN-WU1-01

MPE Calculations

According to the OET Bulletin 65 (Edition 97-01)

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

Where:

S=Power density (in appropriate units, e.g. mW/cm²)

P=Power input to antenna (in appropriate units, e.g., mW)

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 (appropriate units, e.g., cm)

Tx Frequency= 2412 to 2462 [MHz] : IEEE 802.11 b / g / n20

Antenna gain= 2.00 [dBi]

P= 167.11 [mW]

G= 1.58 [numeric]

R= 20.00 [cm]

Calculated Power density : 0.05269 [mW/cm²]