

Xecom Incorporated

**FHSS Module
902 - 928 MHz Digital Radio**

FCC ID#: DWE-XE900SL10

Maximum Permissible Exposure (Part 15.247(b)(4)))

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 antenna input terminal: 3.1 (dBm)

Maximum peak output power at antenna input terminal: 2.02 (mW)

Antenna gain(typical): 0.0 (dBi)

Maximum antenna gain: 1.00 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 915 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 0.61 (mW/cm²)

Power density at prediction frequency: 0.00040 (mW/cm²)

Maximum allowable antenna gain: 31.81 (dBi)

Margin of Compliance at 20 cm = 31.81 dB