Xecom Incorporated

FHSS Module
902 - 928 MHz Digital Radio

FCC ID#: DWE-XE900S-500

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:	27.9	(dBm)
Maximum peak output power at antenna input terminal:	616.60	(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/cm^2)

Power density at prediction frequency: 0.12267 (mW/cm^2)

Maximum allowable antenna gain: 6.97 (dBi)

Margin of Compliance at 20 cm = 6.97 dB