

EQUIPMENT: 2.4 GHz LCD Modem, Release 1PROJECT NO.: 4L0166RUS1**Section 6. RF Exposure**

NAME OF TEST: RF Exposure	PARA. NO.: 15.247(b)(4)
TESTED BY: Dustin Oaks	DATE: 4/6/2004

Test Results: Complies.**Measurement Data:****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 (EIRP): 31.18 (dBm)

Maximum peak output power (EIRP): 1312.2 (mW)

Prediction distance: 20 (cm)

Prediction frequency: 2400 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 1 (mW/cm²)Power density at prediction frequency: 0.261054 (mW/cm²)