

Device has 2 operating modes.

One as a 15.247 frequency hopper and the other as a 15.249 low power device.

Device can not operate in two modes at the same time.

15.249 operation as a low power communication device is categorically excluded from RF exposure evaluation.

The following is for 15.247 operation.

**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: 3.57 (dBm)

Maximum peak output power at the antenna terminal: 2.276145393 (mW)

Antenna gain(typical): 3 (dBi)

Maximum antenna gain: 1.995262315 (numeric)

Prediction distance: 20 (cm)

Prediction frequency: 915 (MHz)

MPE limit for uncontrolled exposure at prediction frequency: 0.6 (mW/cm<sup>2</sup>)

Power density at prediction frequency: 0.000904 (mW/cm<sup>2</sup>)

Therefore device complies with FCC and Industry Canada RF radiation exposure limits for general population as a mobile device (distance > 20cm)