

MPE Estimates, For OWA100 2.4GHz DSSS Radio

NOTE: The devices covered by this estimate are fixed installation only and professional installation is required to comply with certification agency and legal requirements.

FCC ID: S5750025034

Industry Canada ID: 573I-50025034

OWA100 2.4GHz DSSS Radio (50025034)

Calculation based on output power, from original grant.

Antenna Type	Antenna Part No.	Transmit Frequency (MHz)	Max Peak Conducted Output Power (mW)	Antenna Gain (dBi)	Minimum Antenna Cable Loss (dB)	Power Density @ 20 cm (mW/cm ²)	General Population Exposure Limit from 1.1310 (mW/cm ²)	Ratio of Power Density to the Exposure Limit (Must be less than 1)
Omni (Dipole)	CENTURION WCP2400-MMCX4	2,405 - 2,475	113.8	2.5	0	0.040	1.00	0.040260

Worst Case Ratio of Power Density to the Exposure Limit:

0.040260

Papp = (Pxmit*Glinear)/4*pi*d²
Glinear = antilog(Gdbi/10)

RF Safety Statement:

To comply with FCC's and Industry Canada's RF exposure requirements, the following antenna installation and device operating configurations must be satisfied.

- *Remote Point-to-Multi-Point antenna(s) for this unit must be fixed and mounted on outdoor permanent structures with a separation distance between the antenna(s) of greater than 20cm and a separation distance of at least 20cm from all persons.*
- *Furthermore, when using integral antenna(s) the Multinode unit must not be co-located with any other antenna or transmitter device and have a separation distance of at least 20cm from all persons.*