

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 | Max Peak Conducted Output Power | Antenna Gain | Minimum Antenna Cable Loss | Power Density @ 20 cm | General Population Exposure Limit from 1.1310 | Ratio of Power Density to the Exposure Limit (Must be less than 1) |
|---------------|-------------------------|--------------------|---------------------------------|--------------|----------------------------|-----------------------|---|--|
| | | (MHz) | (mW) | (dBi) | (dB) | (mW/cm ²) | (mW/cm ²) | |
| 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

$P_{app} = (P_{xmit} \cdot G_{linear}) / (4 \cdot \pi \cdot d^2)$
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.