



Date of Report: 11/15/05

Maximum Permissible Exposure Statement

Calculations prepared for:
Watchguard

Calculations prepared by:

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Mariposa, CA 95338

FCC ID Number::
Model Number:

Fundamental Operating Frequency: 2402-2462

Maximum Rated Output Power: 26dBm
Measured Output Power: 26dBm
Measurement Uncertainty:

Maximum Antenna Gain: 5.1dBi

Power Output and Operating Frequency Information used for these calculations were from:
CKC Laboratories, Test Report #

Device and Antenna Operating Configuration:

Device tested with modulation in continuous transmit mode. Power output listed is conducted with EIRP calculated using manufacturer's stated antenna gain. The result contained in this report does not include time averaging.

Test Procedure:

This equipment is evaluated in accordance with the guidelines set forth in OET Guide 65 and RSS 102.

Other Considerations:

None.

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MPE Calculations:

MPE Limit in accordance with 1.1310:

Occupational / Controlled Exposure
X General Population / Uncontrolled Exposure

$$\text{MPE Limit} = 1.0 \text{ (mW/cm}^2\text{)}$$

Note: Limit is calculated based on the lowest frequency used in the operating frequency range.

$$\text{PowerDensity(mW / cm}^2\text{)} = \frac{\text{EIRP}}{4\pi d^2} \quad \text{Given: EIRP in mW and d in cm}$$

EIRP (mW)	Distance (cm)	Power Density (mW/cm ²)	Result
1288.25	10.13	1.000	Pass

Statement of Compliance:

This device demonstrates compliance under the operating conditions specified in this document. Under normal operating conditions, the antenna is designed to be installed in accordance with the manufacturer's instructions in such a manner to maintain the minimum separation distance. The MPE calculations shown above demonstrate compliance to the provisions of 1.1310 in accordance with the guidelines of OET 65.

As can be seen from the MPE results, this device passes the limits specified in 1.1310 at a distance of 10.1cm and at an output power of 1.3 W EIRP under normal operating conditions.

This device is not tested for collocation. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

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