



Date of Report: 5/18/09

Maximum Permissible Exposure Statement

Calculations prepared for:

Grid Net, Inc.
340 Brannan Street
Suite 501
San Francisco, CA 94107

Calculations prepared by:

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4056 Sierra Pines Dr.
Mariposa, CA 95338

FCC ID Number:: W4J-WXSGR
Model Number: WX-SGR

Fundamental Operating Frequency: 2496-2690 MHz

Maximum Rated Output Power: 501.2 mW (+27 dBm)
Measured Output Power: 407.38mw

Maximum Antenna Gain: 2 dBi stated

Power Output and Operating Frequency Information used for these calculations were from:
CKC Laboratories, Test Report # FC09-049

Device and Antenna Operating Configuration:

Maximum output was measured on mid channel 2600 mHz at 16 QAM 3/4 data rate. Antenna is installed externally to the EUT.

Test Procedure:

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

Other Considerations:

None.

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WORLDWIDE EMC – COMMERCIAL * INDUSTRIAL * MEDICAL * MILITARY * AVIONICS
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MPE Calculations:

MPE Limit in accordance with 1.1310:

Occupational / Controlled Exposure
X General Population / Uncontrolled Exposure

$$\begin{aligned} \text{MPE Limit} &= 1 \text{ (mW/cm}^2\text{)} \\ &= 1 \text{ (mW/cm}^2\text{)} \end{aligned}$$

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
645.65	7.17	1.00	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 manor 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 7.17 cm and at an output power of 407.38 mw under normal operating conditions.