



Date of Report: 10/12/06

Maximum Permissible Exposure Statement

Calculations prepared for:

CrossBow
4145 North First Street
San Jose, CA 95134

Calculations prepared by:

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1120 Fulton Place
Fremont, CA 94539

FCC ID Number:: SHU003BU2400
Model Number: Base Station USB

Fundamental Operating Frequency: 2400-2483.5 GHz

Maximum Rated Output Power: 0 dBm
Measured Output Power: -5.0 dBm EIRP

Maximum Antenna Gain: 2.0 dBi

Power Output and Operating Frequency Information used for these calculations were from:
CKC Laboratories, Test Report # FC06-050

Device and Antenna Operating Configuration:

Measured with EUT in CW mode, using 2.0 dBi antenna.

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

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

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
.32	.16	1.0	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 .16 cm and at a output power of 0.32 mw under normal operating conditions.