



Date of Report: 10/26/07

Maximum Permissible Exposure Statement

Calculations prepared for:

Dust Networks WO87117

Calculations prepared by:

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FCC ID Number:: SJC-M2140
Model Number: M2140

Fundamental Operating Frequency: 2405 to 2480

Maximum Rated Output Power: 10mW
Measured Output Power: 9.77mW

Maximum Antenna Gain: 2 dBi

Power Output and Operating Frequency Information used for these calculations were from:
CKC Laboratories, Test Report # FC07-085

Device and Antenna Operating Configuration:

Transmitting continuously. Power measured conducted at the antenna port Max antenna gain is 2 dBi

Test Procedure:

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

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
9.77	20	0.00194	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 20cm and at a output power of 9.77mW under normal operating conditions.