



Date of Report: 8/13/07

Maximum Permissible Exposure Statement

Calculations prepared for:

RGIS

Calculations prepared by:

Art Rice
CKC Laboratories, Inc.
5046 Sierra Pines Dr.
Mariposa, CA 95338

FCC ID Number:: pending
Model Number: 610-190040 (RM-1)

Fundamental Operating Frequency: 2.400-2.4835 GHz

Maximum Rated Output Power: 31.6 mW (+15 dBm)
Measured Output Power: 23 mw

Maximum Antenna Gain: 1.4 dBi

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

Device and Antenna Operating Configuration:

Maximum conducted output was measured on channel 6 at 1 MBPS data rate. Antenna is
permanently installed internally in the EUT.

Test Procedure:

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

Other Considerations:

None.

4056 Sierra Pines Dr. * Mariposa, CA 95338 * PH (209) 966-5240 * Fax (209) 742-6133

WORLDWIDE EMC – COMMERCIAL * INDUSTRIAL * MEDICAL * MILITARY * AVIONICS
BREA, CA * FREMONT, CA * MARIPOSA, CA * REDMOND, WA

MPE Calculations:
MPE Limit in accordance with 1.1310:

Occupational / Controlled Exposure
 General Population / Uncontrolled Exposure

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

Comment: Show original Limit and then show calculated limit

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
31.6	3.4	1.0	Pass

Statement of Compliance:

Comment: Change this statement to reflect actual 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 2.24 cm and at an output power of 23 mW under normal operating conditions.

4056 Sierra Pines Dr. * Mariposa, CA 95338 * PH (209) 966-5240 * Fax (209) 742-6133

WORLDWIDE EMC – COMMERCIAL * INDUSTRIAL * MEDICAL * MILITARY * AVIONICS
 BREA, CA * FREMONT, CA * MARIPOSA, CA * REDMOND, WA