



Date of Report: August 4, 2005

RF Exposure Statement

Calculations prepared for:

Calculations prepared by:

Randal Clark
CKC Laboratories, Inc.
5473A Clouds Rest Road
Mariposa, CA 95338

FCC ID Number::
Model Number: PA-BADGE-900

Fundamental Operating Frequency: 902-928 MHz

Measured Output Power: 3.4 mW EIRP
Measurement Uncertainty:

Maximum Antenna Gain: 2.1 dBi

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

Device and Antenna Operating Configuration:

Peak values were measured using a spectrum analyzer with RBW=VBW=1MHz. Average measurements of power would be considerably less than those reported here.

Test Procedure:

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

Other Considerations:

The purpose of this document is to demonstrate compliance with RF Exposure by exemption due to low power output.

5473-A Clouds Rest * Mariposa, CA 95338 * PH (209) 966-5240 * Fax (209) 742-6133

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

Power Output Examination:

Exposure Conditions

Occupational / Controlled Exposure
 General Population / Uncontrolled Exposure

Separation Distance

Less than 2.5 cm
Greater than 2.5cm

Frequency Range

900 MHz
2.4 GHz
5.8 GHz

The lower threshold for RF Exposure requirements is $(60/f_{GHz})mW$

$$T_{low} = \frac{60}{F_{GHz}} = \frac{60}{0.928} = 64.7mW$$

The peak output power of this equipment is 3.4mW which is below the lower threshold for RF safety compliance.

Statement of Compliance:

This device demonstrates compliance under the operating conditions specified in this document. Under normal operating conditions, the power output of this device does not exceed the lower threshold for RF Safety compliance. This equipment is thereby exempted from RF safety testing according to KDB publication 628591.