

Maximum Permissible Exposure Calculations

Date of Report: 03/06/06

Calculations prepared for:

IP MobileNet
16842 Von Karman Avenue, Suite 200
Irvine, CA 92606

Calculations prepared by:

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Model Number: M-800-25

FCC Identification:

Fundamental Operating Frequency:

806-824 MHz

Maximum Rated Output Power:

20.0 Watts

Measured Output Power:

20.0 Watts

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

MPE Limit in accordance with 1.1310(b): Limits for general population/uncontrolled exposure

MPE Limit = 0.54 (mW/cm²)
(Calculated using the lowest operating frequency, 806MHz)

EIRP (mW)	Distance (cm)	Power Density (mW/cm ²)	Result
20000.00	54.29	0.540	Pass

$$PowerDensity(mW / cm^2) = \frac{EIRP}{4\pi d^2} \quad \text{Given: EIRP in } mW \text{ and } d \text{ in } cm$$

Note: Antennae are not sold with this equipment; EIRP is listed assuming a 0dBi gain antenna.

As can be seen from the MPE results, this device passes the limits specified in 1.1310 at a distance of 54.3 cm and at a output power of 20 watts assuming a 0dBi gain antenna.

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