FCC Part 15 Certification
Test Report

900MHz Direct Sequence
Spread Spectrum Radio Device

FCC ID: Q69MIU1000

FCC Rule Part: 15.247

ACS Report Number: 03-0100-15B

Manufacturer: Screamer Technologies, Inc.
Model: Screamer MIU1000

RF Exposure Information

General Information:

Applicant:	Screamer Technologies, Inc.
ACS Project:	03-0100
FCC ID:	Q69MIU1000
Device Category:	900MHz Direct Sequence Spread Spectrum Radio Device
Environment:	General Population/Uncontrolled Exposure

Technical Information:

Antenna Type:	Folded Dipole
Antenna Gain:	2.3 dBi
Transmitter Conducted Power:	28 dB
Maximum System EIRP:	1.07 W
Operating Configuration:	Wall-mounted
Exposure Conditions:	7.21 cm or greater from the user or general population

MPE Calculation

The minimum separation distance is calculated as follows:

$$E(V/m) = \frac{\sqrt{30xPxG}}{d} \qquad \text{Power Density: } P_d = (mW/cm^2) = \frac{E^2}{3770}$$

MPE Distance

MPE Calculator for 900MHz Mobile Equipment Limits for General Population/Uncontrolled Exposure*					
Transmit Freq. (MHz)	**Radio Power (dBm)**	**Antenna Gain (dBi)**	**Sytem EIRP (mW)**	**MPE Limit (mW/cm2)**	**MPE Distance (cm)**
913.5	28	2.3	1071.52	0.61	7.21

Installation Guidelines

The installation manual contains the following text advising how to install the equipment to maintain compliance with the FCC RF exposure requirements:

> **RF Exposure Information**
> In accordance with FCC requirements of human exposure to radiofrequency fields, the device shall be installed such that a minimum separation distance of 20cm from the user and/or general population can be maintained
>
> Warning: Changes or modifications to this device not expressly approved by **ScreamerTechnologies** could void the user's authority to operate the equipment.

Conclusion

This device complies with the MPE requirements by providing adequate separation between the device, any radiating structure and the general population.