

Certification Exhibit

**FCC ID: R7PCG6R1S1
IC: 5294A-CG6R1S1**

**FCC Rule Part: 15.247
IC Radio Standards Specification: RSS-210**

ACS Report Number: 08-0040-15C

**Manufacturer: Cellnet Technology, Inc.
Model: 1-Way Repeater**

RF Exposure Information

General Information:

Applicant: Cellnet Technology, Inc.
 ACS Project: 08-0040-15C
 FCC ID: R7PCG6R1S1
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: WHIP
 Antenna Gain: 3dBi
 Transmitter Conducted Power: 25.55dBm
 Maximum System EIRP: 28.55dBm
 Operating Configuration: Fixed mounted
 Exposure Conditions: Mobile - Greater than 20 centimeters

MPE Calculation:

The Power Density (mW/cm²) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

- S = power density (in appropriate units, e.g. mW/cm2)
- P = power input to the antenna (in appropriate units, e.g., mW)
- G = power gain of the antenna in the direction of interest relative to an isotropic radiator
- R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

MPE Calculator for Mobile Equipment Limits for General Population/Uncontrolled Exposure*							
Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/Cm2)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm^2)
911.58	25.55	0.61	358.92	3	1.995	20	0.142

Installation Guidelines

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

RF Exposure

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 centimeters will be maintained.

Conclusion

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