FCC Part 15.247 Certification
Test Report

FCC ID: R7PEC3R1S4

FCC Rule Part: 15.247

ACS Report Number: 06-0386-15C

Manufacturer: Cellnet Technology, Inc.
Model: GE kV2c Utilinet Endpoint

RF Exposure Information

General Information:

Applicant: Cellnet
ACS Project: 06-0386
FCC ID: R7PEC3R1S4
Device Category: Mobile
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Flex Dipole
Antenna Gain: 1dBi
Transmitter Conducted Power: 21.96dBm
Maximum System EIRP: 22.96dBm
Operating Configuration: Fixed mounted
Exposure Conditions: Greater than 20 centimeters

MPE Calculation

The Power Density (mW/cm^2) 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)
915	21.96	0.61	157.04	1	1.259	20	0.039

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
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.