FCC Part 15.247
Transmitter Certification

Frequency Hopping Spread Spectrum Transmitter

Test Report

FCC ID: R7PIWRP1

FCC Rule Part: 15.247

ACS Report Number: 06-0394-15C

Manufacturer: Cellnet Technology, Inc.
Model: Utilinet PCMCIA Radio

RF Exposure Information

General Information:

Applicant: Cellnet
ACS Project: 06-0394
FCC ID: R7PIWRP1
Device Category: Portable
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: PCB
Antenna Gain: -1 dBi
Transmitter Conducted Power: 12.39dBm
Maximum System EIRP: 11.39dBm
Operating Configuration: Portable
Exposure Conditions: NA (Meets Lower threshold of the July02 TCB Exclusion List)

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)**
902.1	12.39	0.60	17.34	-1	0.794	1.36	0.593

Installation Guidelines
The installation manual must contain text advising how to install the equipment to maintain compliance with the FCC RF exposure requirements.