Certification Exhibit

FCC ID: SDBFLEXLG100
IC: 2220A-FLEXLG100

FCC Rule Part: CFR 47 Part 24 Subpart D, Part 90 Subpart I, Part 101 Subpart C
IC Radio Standards Specification: RSS 119, RSS 134

ACS Report Number: 08-0432-LD

Applicant: Sensus Metering Systems
Model: FLEXLG100

RF Exposure

General Information:
Applicant: Sensus Metering Systems, Inc.
ACS Project: 08-0432-LD
FCC ID: SDBFLEXLG100
Device Category: Mobile
Environment: Uncontrolled/General Population

Technical Information:
Antenna Type: PCB Printed Monopole
Antenna Gain: 0dBi
Maximum Transmitter Conducted Power: 29.52dBm
Maximum System EIRP: 29.52dBm, 0.895 W

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)
896.0625	29.52	0.60	895.36	0	1.000	20	0.178
928.925	29.19	0.62	829.85	0	1.000	20	0.165
959.925	28.94	0.64	783.43	0	1.000	20	0.156

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.