Certification Exhibit

FCC ID: R7PNG1R1S1

FCC Rule Part: 15.247

Project Number: 72157008

Manufacturer: Landis+Gyr Technology, Inc.
Model: NIC AM

RF Exposure

General Information:

Applicant: Landis+Gyr Technology, Inc.
Device Category: Mobile
Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Panel
Antenna Gain: 9.0dBi
Maximum Transmitter Conducted Power: 25.17 dBm, 328.85 mW
Maximum System EIRP: 34.17 dBm, 2612.16 mW
Exposure Conditions: Greater than 28 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)

Table 1: MPE Calculation

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	25.17	0.61	328.85	9	7.943	28	0.265