Certification Exhibit

Module FCC ID: R7PNG0R1S7

FCC Rule Part: 47 CFR Part 2.1091

Project Number: 72172663

Manufacturer: Landis+Gyr Technology, Inc.
Module Model: S5-MCM0

RF Exposure

General Information:

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

Technical Information:

Antenna Type: Planar Inverted - F (PIFA)
Antenna Gains: -4dBi
Maximum Transmitter Conducted Power: 28.86dBm, 769.13mW
Maximum System EIRP: 24.86dBm, 306.20mW
Exposure Conditions: 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)

Table 1: MPE Calculation

Transmit Frequency (MHz)	Radio Power (dBm)	Power Density Limit (mW/cm^2)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm^2)
902.2	28.86	0.60	769.13	-4	0.398	20	0.061

Note: The device does not support simultaneous transmissions