



Certification Exhibit

FCC ID: R7PNG0R1S5

FCC Rule Part: 47 CFR Part 2.1091

Project Number: 72156409

Manufacturer: Landis+Gyr Technology, Inc.
Model: N501

RF Exposure

General Information:

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

Technical Information:

Antenna Type: Airgain ET960NPMR2 Rigid Dipole
 Antenna Gain: 5.7dBi
 Maximum Transmitter Conducted Power: 29.89dBm, 974.99mW
 Maximum System EIRP: 35.59 dBm, 3622.43 mW
 Exposure Conditions: Greater than 33 centimeters

MPE Calculation

The Power Density (mW/cm²) 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) |
|--------------------------|-------------------|---|------------------|--------------------|-----------------------|---------------|-------------------------------------|
| 902.3 | 29.89 | 0.60 | 974.99 | 5.7 | 3.715 | 33 | 0.265 |