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## **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/cm<sup>2</sup>) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

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 <sup>2</sup> ) | Radio Power (mW) | Antenna Gain (dBi) | Antenna Gain (mW eq.) | Distance (cm) | Power Density (mW/cm <sup>2</sup> ) |
|--------------------------|-------------------|-------------------------------------------|------------------|--------------------|-----------------------|---------------|-------------------------------------|
| 902.3                    | 29.89             | 0.60                                      | 974.99           | 5.7                | 3.715                 | 33            | 0.265                               |