



Certification Exhibit

FCC ID: R7PNG0R1S4

FCC Rule Part: 47 CFR Part 2.1091

Project Number: 72194622

Manufacturer: Landis + Gyr Technology, Inc
Model Name: Series-6 RF Mesh mSBR Card
Product Marketing Number: N651

RF Exposure

General Information:

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

Technical Information (900MHz– FCC 15.247):

Antenna Type: Dipole Antenna
**Antenna Gain: 5.7 dBi
*Maximum Transmitter Conducted Power: 29.96dBm, 990.83mW
Maximum System EIRP: 35.66dBm, 3681.29mW
Exposure Conditions: 23 centimeters
*Worst Case from all 900 MHz modes (FHSS/Hybrid/DTS)
**Antenna Gain declared by the client.

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)
902.2	29.96	0.6015	990.83	5.7	3.715	23	0.5538