



Certification Exhibit

FCC ID: R7PWFM200

FCC Rule Part: 47 CFR Part 2.1091

Project Number: 72174490

Manufacturer: Landis + Gyr Technology, Inc
Models WFM200LG1

RF Exposure

General Information:

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

Technical Information:

Antenna Type: Printed Inverted-F Antenna
 Antenna Gains: 1dBi
 Maximum Transmitter Conducted Power: 16.4dBm, 43.65mW
 Maximum System EIRP: 17.4dBm, 54.95mW
 Exposure Conditions: 20 centimeters
 Note: Conducted Power values are taken from the original modular certification test report.

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)
2437	16.4	1.00	43.65	1.0	1.259	20	0.011