



Certification Exhibit

FCC ID: QZC-SNREM

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 72154795

**Manufacturer: Elster Solutions LLC
Model: SNREM**

RF Exposure

General Information:

Applicant: Elster Solutions LLC
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Monopole
 Antenna Gain: 1.36 dBi
 Maximum Transmitter Conducted Power: 26.40 dBm, 436.52 mW
 Maximum System EIRP: 27.76 dBm, 597.04 mW
 Exposure Conditions: 20 centimeters or greater

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/Cm2) | Radio Power (mW) | Antenna Gain (dBi) | Antenna Gain (mW eq.) | Distance (cm) | Power Density (mW/cm^2) |
|--------------------------|-------------------|------------------------------|------------------|--------------------|-----------------------|---------------|-------------------------|
| 902.4 | 26.4 | 0.60 | 436.52 | 1.36 | 1.368 | 20 | 0.119 |