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## **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/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/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                   |