



America

Certification Exhibit

FCC ID: QZC-SNREM

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Report Number: RD72140849.300

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: 27.03 dBm, 504.66 mW
 Maximum System EIRP: 28.39 dBm, 690.24 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	27.03	0.60	504.66	1.36	1.368	20	0.137