



Certification Exhibit

FCC ID: QZC-NXCM

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 72162542

Manufacturer: Elster Solutions LLC
Model: NXCM

RF Exposure

General Information:

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

Technical Information:

Antenna Type: Embedded Ceramic
 Antenna Gain: 0.75 dBi
 Maximum Transmitter Conducted Power: 19.806 dBm, 95.63 mW
 Maximum System EIRP: 20.556 dBm, 113.66 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	19.806	0.60	95.63	0.75	1.189	20	0.023