



Certification Exhibit

FCC ID: SM6-MINODE-WATER6

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 72138563

Manufacturer: Mueller Systems, LLC
Model: DCOM6

RF Exposure

General Information:

Applicant: Mueller Systems, LLC
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: 1/4 Wave monopole Antenna
 Antenna Gain: 0 dBi
 Maximum Transmitter Conducted Power: 29.19 dBm, 829.8500 mW
 Maximum System EIRP: 29.19 dBm, 829.8500 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/Cm ²)	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm ²)
902.3	29.19	0.60	829.85	0	1.000	20	0.165