



Certification Exhibit

FCC ID: MTFWMS-0001

FCC Rule Part: 47 CFR Part 2.1093

Project Number: 72143104

Manufacturer: Telular, Corp.
Model: WMS-0001

RF Exposure

General Information:

Applicant: Telular, Corp.
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: PCB Trace
 Antenna Gain: 0dBi
 Maximum Transmitter Conducted Power: 18.21 dBm, 66.22 mW
 Maximum System EIRP: 18.21 dBm, 66.22 mW
 Exposure Conditions: Greater than 20 centimeters

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	28.99	0.60	66.22	0	1.000	20	0.013