



Certification Exhibit

FCC ID: Z90-92053073

FCC Rule Part: 47 CFR Part 2.1091

TÜV SÜD Project Number: 72156787

Manufacturer: Ecolab Inc.
Model: 92053073

RF Exposure

TÜV SÜD America
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TÜV SÜD

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General Information:

Applicant: Ecolab Inc.
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

Antenna Type: Ceramic Chip Antenna
 Antenna Gain: -2.5 dBi
 Maximum Transmitter Conducted Power: -7.91 dBm, 0.1618 mW
 Maximum System EIRP: -10.41 dBm, 0.0910 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)
917	-7.91	0.61	0.16	-2.5	0.562	20	0.000