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## **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**

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**TÜV SÜD**

**TÜV®**

**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/cm<sup>2</sup>) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

- S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)
- 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 <sup>2</sup> )	Radio Power (mW)	Antenna Gain (dBi)	Antenna Gain (mW eq.)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )
917	-7.91	0.61	0.16	-2.5	0.562	20	0.000