



---

## **Certification Exhibit**

**FCC ID: Z9O-92053071**

**FCC Rule Part: 47 CFR Part 2.1091**

**TÜV SÜD Project Number: 72137423**

Manufacturer: Ecolab, Inc.  
Model: 92053071

**RF Exposure**

**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: 11.07 dBm, 12.7900 mW  
 Maximum System EIRP: 8.57 dBm, 7.1944 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> )
913.74	11.07	0.61	12.79	-2.5	0.562	20	0.001
917	-8.48	0.61	0.14	-2.5	0.562	20	0.000