



November 11, 2023

Subject: Antenna Specifications

FCC ID: 2AC8R-NFC3

To Whom It May Concern:

Elkay's **EZH2O Bottle Filling Station & Cooler combinations** has two transceivers each with its own non-tunable trace antenna and output power is not adjustable. As a result, no SWR plot, Impedance Plot or S11 plot is required or available.

Details of each antenna on page two.

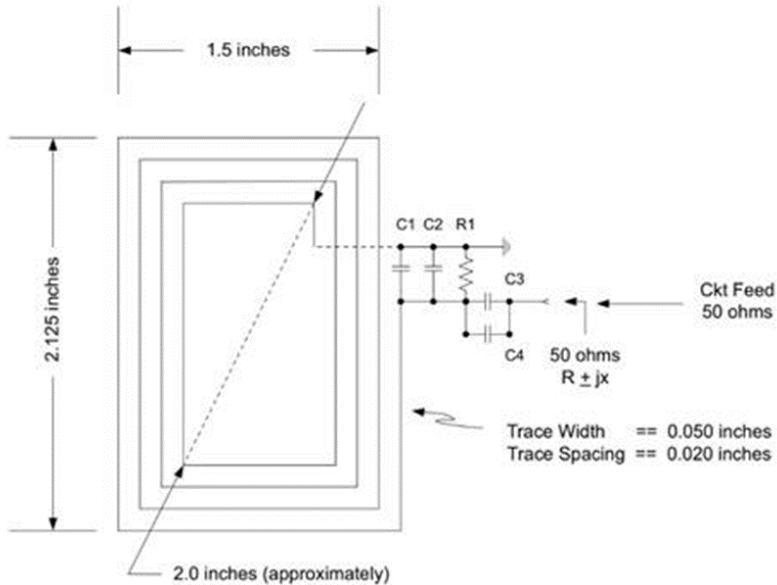
Best Regards

A handwritten signature in blue ink, appearing to read "René G. Laude".

René G. Laude
Sr. Compliance Engineer
November 11, 2023

Elkay Connected Enhanced ezH2O Bottle Filling Station and Cooler product series:

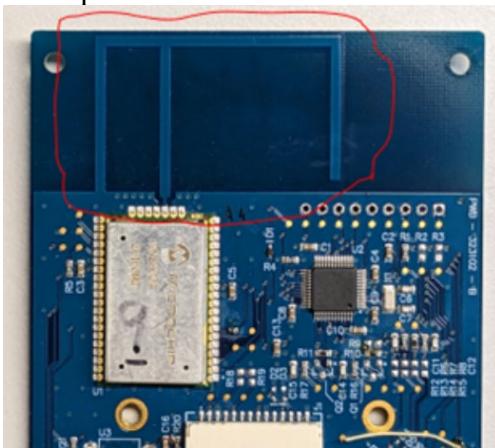
1. Filter NFC Board (1000004409) antenna specifications



- Physical description (including PCB trace layout – trace length, size, turns) - Refer above diagram
- Frequency range capability - 13.56 MHz center frequency with a bandwidth of 2 MHz
- Peak gain - Since a magnetic field antenna does not really have any gain, this should be listed as gain=1 or gain=0dB
- Antenna pattern - omnidirectional
- SWR plot (if available) - NA
- Impedance plot (if available) - NA
- S11 plot (if available) – NA

2. Connected Endpoint Radio Board (2000001084) antenna specifications.

- As implemented in current Board:



- And as specified in Single Modular certification for Microchip's RN2903 Transceiver, FCCID: [T9JRN2903](#).