



January 29, 2025

Subject: Antenna Specifications

FCC ID: 2AC8R-NFC6

IC: 12430A-NFC6, HVIN: NFC-LoRa

Contains FCC ID: T9JRN2903, IC: 6514A-RN2903

To Whom It May Concern:

Elkay model **DSSBF8SP-W1** described as *Enhanced Connected Floor Standing Bottle Filling Station Filtered Refrigerated* 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', is written over a horizontal line.

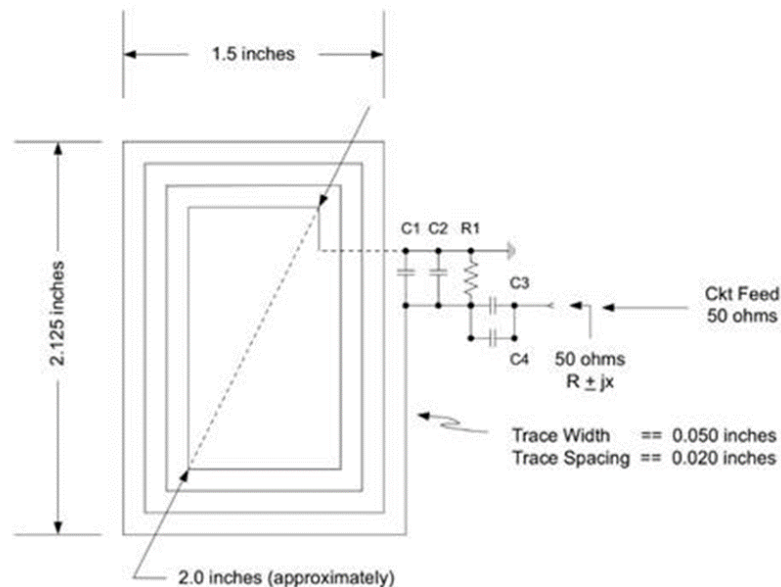
René G. Laude

Sr. Compliance Engineer

January 29, 2025

Enhanced Connected Floor Standing Bottle Filling Station Filtered Refrigerated.

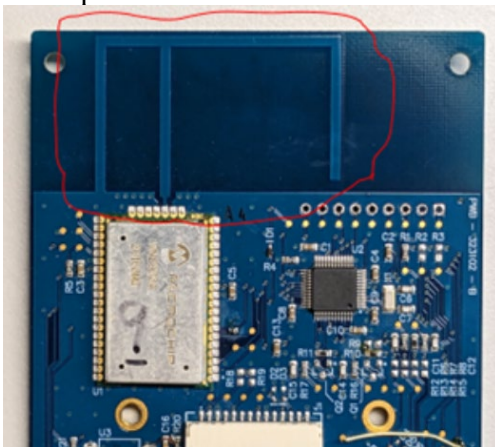
1. Filter NFC Board (1000004409) antenna specifications



- 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 “Lora” Radio Board (2000001084) antenna specifications.

- As implemented in current Board:



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