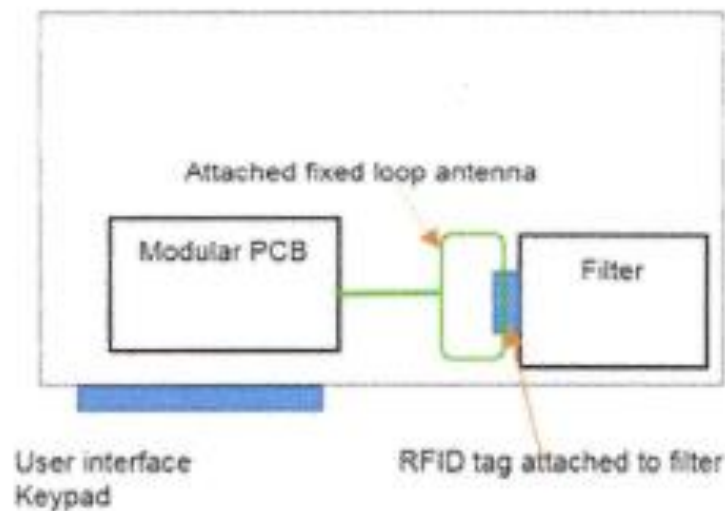


Radio description:

The PlumeSafe® X5 Smoke Evacuator and Filter use a Filter life tracking technology is dependent on the radio in the device. Filter life is tracked via RFID technology and the remaining life of the installed filter is displayed via LED indications on the touchscreen. The PlumeSafe® X5 filter design incorporates an RFID tag which is programmed and verified during manufacturing. The smoke evacuator design includes a fixed loop antenna allowing the system to detect the tag information. **Figure 1** is a graphic representation of the hardware design for the PlumeSafe® X5 Smoke Evacuator and Filter. The RFID signal is designed to operate at a frequency of 13.56 MHz.

Figure 1: Hardware design of PlumeSafe® X5 Smoke Evacuator and Filter



This application only includes technical reports from one lab, Element Materials Technology.

Type of equipment approval: Original certification

Applicable rule parts: FCC Part 15.225
FCC ID: 2AYVQ-P000023166



Signature:
Tina Mornak
Date: June 7, 2023