

Radiation Hazard Assessment

Date	5 th March 2025
FCC ID	2BNOU-IZAFCV2
Brand Name	IZON
Model Number	AFC-V2
Product	Automatic Fraction Controller
Manufacturer	IZON Science Ltd
Country of Origin	New Zealand
Serial Number	AFC-V2-0133

Product Description:

The device tested is an Automated Fraction Collector that is used in a laboratory environment where it automates extracellular vesicle (EV) isolation across a range of samples.

The device contains a 13.560 MHz NFC module that is used to identify proprietary qEV Columns during testing.

When the device was tested the NFC reader evaluated an attached qEV Column.

FCC part 15 testing as detailed in EMC Technologies NZ Ltd test report number 240314.3 dated 25th November 2024 shows the following:

13.560 MHz transmitter with a field strength of 57.0 dBuV/m (Quasi Peak detector) at a test distance of 10 metres

This equates to a radiated power of -27.8 dB which works out to be 0.00167 mW

As per FCC KDB 447498 D04 and Section 2.1091 radio frequency transmitters are required to be operated in a manner that ensures the public is not exposed to high levels of RF energy.

In normal use the transmitters in this device are likely to come in close contact with the human body, the hand, when cards are placed in or near the device when a transaction is carried out.

This device will therefore be exempt as the power level will be less than 1 mW.

Result: Complies