

Radiation Hazard Assessment

Date	15 th September 2026
FCC ID	2AC7B-G6400NFC
Brand Name	Invenco
Model Number	G6-400NFC
Product	Radio Module
Manufacturer	Invenco Group Ltd
Country of Origin	New Zealand
Serial Number(s)	SBLB0006
Antenna type and gain	The NFC antenna is an inductor coil type antenna with a gain of less than 1 and radiation efficiency of zero.
Rated supply voltage	24 VDC representative power supply powered at 120 VAC
Modulation description	ASK
NFC Frequency	13.560 MHz

The device tested is a Radio Module that would be installed as part of an Integrated Payment System with a number of features that would typically be used for the payment in a retail situation like a petrol station.

NFC Module operates on 13.560 MHz

The product is powered at 24 Vdc using a power supply that is connected to the 120 Vac 60 Hz Public AC mains supply.

FCC part 15 testing as detailed in EMC Technologies NZ Ltd test report number 260111.1 dated 15th September 2026 shows the following:

When transmitting on 13.560 MHz a field strength of 58.2 dBuV/m was measured at 10 metres which gives a calculated transmitter power of 2.2023 uW or 0.0022 mW.

Calculations were made using the formula:

$$\text{Power (watts)} = ((\text{field strength (V/m)} \times \text{distance (metres)})^2) / 30$$

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 transmitter in this device may 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.

As the radiated power is below 1 mW this transmitter will be below the SAR testing threshold and therefore no further action will be required.

Result: Complies