

Radiation Hazard Assessment

Date	26 th November 2025
FCC ID	2AC2O-CHU200TPRC
Brand Name	Windcave
Product	Desktop Payment Terminal
Model Number	CHU200TP Release C
Manufacturer	Windcave Limited
Country of Origin	New Zealand
Serial Number(s)	3425230068
Firmware version	v3.0.0.6-E
Antenna type and gain	The NFC antenna is a 2-turn loop antenna around the perimeter of the LCD with gain of zero.

The device tested is Desk Payment Terminal with a number of features that would typically be used for the payment in a retail situation.

The device contains a NFC Card Reader that operates on 13.560 MHz

The product is powered at 12 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 250507.1 dated 17th August 2025 shows the following:

When transmitting on 13.560 MHz a field strength of 40.8 dBuV/m was measured at 10 metres which gives a calculated transmitter power of 0.00004 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