

Radiation Hazard Assessment

Date	17 th April 2026	
FCC ID	2AC2O-CHU200TLRC	
Brand Name	Windcave	
Product	Integrated Payment Terminal	
Model Number	CHU200TL Release C	
Manufacturer	Windcave Limited	
Country of Origin	New Zealand	
Serial Number(s)	EMC LAB #1	S/N: 3424490112
	EMC LAB #2	S/N: 3424490118
Firmware version	V3.0.0.2	
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 an Integrated Payment Terminal with a number of features that would typically be used for the payment in a retail situation.

The device only 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 250202.3 dated 17th April 2025 that shows the following:

When transmitting on 13.560 MHz a field strength of 42.0 dBuV/m was measured at 10 metres which gives a calculated transmitter power of 0.000053 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