



Global Product Certification
EMC-EMF Safety Approvals

EMC Technologies Pty Ltd

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To: Federal Communications Commission

Attention: Certification Officer **Date:** October 26, 2020

EMC Ref: M2005002

Subject: FCC FILING – ORIGINAL CERTIFICATION - FCC ID: 2AW4U-DT1104-0100

Company: Definium Technologies Pty Ltd
FCC ID: FCC ID: 2AW4U-DT1104-0100
EUT: Cooler Guardian (LoRa IoT temperature and humidity sensor)

Test Firm: EMC Technologies Pty Ltd (Designation # AU0001)

Definium Technologies Pty Ltd is applying for FCC Certification of the Cooler Guardian – a Lora IoT temperature and humidity sensor.

The Cooler Guardian contains Semtech SX1262 LoRa Transceiver:
LoRa (DTS) 903-914.2 MHz
LoRa (FHSS) 902-928 MHz

This application is submitted as an hybrid application under the DSS filing as per KDB 558074 D01 section 10.

Testing was performed in accordance with the requirements of FCC 15C, Section 15.247.

EMC Technologies Pty Ltd is acting as agent for Definium Technologies Pty Ltd in this application.

Please note:

The device sent for testing to EMC Technologies contained a LoRa radio and a pre-approved cellular Ublox (seen in internal photos exhibit) as the device was designed for either variant to be built on the PCB.

Although the uBlox cellular module was included on the device PCB during the LoRa radio testing, our client has decided to leave the uBlox module off for this application. There is no change to the host PCB. Refer to supplied manufacturer's declaration - DT1104 Module Placement Declaration for further details.

Best Regards

A handwritten signature in black ink, appearing to read 'C. Zombolas', is written over a horizontal line.

Chris Zombolas
Managing Director

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