



The Testcenter facility 'LoRa® Test Lab' within IMST GmbH is recognized by the LoRa™ Alliance for testing in accordance to the LoRaWAN™ Specification V1.0.2

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# **Report for Certification by Similarity according to LoRaWAN™ V1.0.2**

for the Device

**“EcoLoRa”**

for the Customer

**“1M2M B.V.”**

Dietmar Krebs

Yavuz Turan

17<sup>th</sup> October, 2019

## Administrative Summary

Location: IMST GmbH, Test Centre, Kamp-Lintfort, Germany

Responsible Chief Check Engineer: Dietmar Krebs

Subject: Test of requirements for Certification by Similarity according to LoRaWAN™ Specification V1.0.2

Company and Contact Information:

1M2M B.V.

Mr. Jean Pierre Hoefnagel

Pastoor Ohllaan 39, 3451 CB Vleuten

The Netherlands

Checked Device: EcoLoRa

Firmware version: V1.0

Hardware version: V1.0

Type and Version of used Stack: own Version 1.02

Original End-device identifier: ED1610

LoRa Device Class: A

LoRaWAN Specification version: V1.0.2

Certification requirements: LoRa End Device Certification by Similarity V1.0

Frequency band(s): 868 MHz

Type of Certification by Similarity:

Case 3: Certification of an end-device variant from a certified end-device

Variant device differences to the referenced certified device:

- Same LoRa transceiver
- Same LoRa protocol SW version
- Same MCU Core
- Same Clock design and implementation

Brief description of the differences between the primary and the variant device

The internal antenna is no longer mounted but is replaced by a 50 ohms resistor. The external antenna is still an UFL that is connected to a whip antenna on the outside of the enclosure.

Date: 17<sup>th</sup> October, 2019

The Test Report, No. 6191344 has the following conclusion:

**The device fulfils the requirements.**

Responsibility: *Yavuz Turan*  
Yavuz Turan  
Test Engineer

Approved: *Dietmar Krebs*  
Dietmar Krebs  
Quality Engineer

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