



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

Report for Certification by Similarity according to LoRaWAN[™] V1.0.2

for the Device

**“Minoprotect radio,
EASYPROTECT Radio”**

for the Customer

“Zenner International GmbH & Co.KG“

Jens Lerner
Yavuz Turan

23rd October, 2020

Administrative Summary

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

Responsible Test Engineer: Yavuz Turan, Jens Lerner

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

Company and Contact Information:

ZENNER International GmbH & Co.KG

Mr. Hartmut Ritter

Römerstadt 6, 66121 Saarbrücken

Germany

Checked Device: Minoprotect radio, EASYPROTECT Radio

Firmware version: 2.0

Hardware version: 2.2

Type and Version of used Stack: own, Version 1.0

Original End-device identifier: M8 and caltos E

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


Different sensor: primary device measures temperature, variant counts turns of a wheel and calculation water flow from that

Date: 23rd October, 2020

The Test Report, No. 6201091 has the following conclusion:

The device fulfils the requirements.

Responsibility: 
Yavuz Turan
Test Engineer

Approved: 
Jens Lerner
Quality Engineer

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