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

"ElecTo MVM + C"

for the Customer

"Maddalena S.p.A."

Jens Lerner
Yavuz Turan

22nd December, 2022

Administrative Summary

Location: IMST GmbH, Test Centre, Kamp-Lintfort, Germany
Responsible Test Engineer: Yavuz Turan, Jens Lerner
Subject: Test of Conformance to LoRaWAN® Specification V1.0.2
Company and Contact Information:
Maddalena S.p.A.
Alessandro Budai
via G.B. Maddalena 2/4
33040 Povoletto
Italy
Checked Device: ElecTo MVM + C
Hardware version: 1.0
Firmware version: 1.0
Type and Version of used Stack: Stackforce 4.4.4 Version
Original End-device identifier: Arrow WAN 2
LoRa Device Class: A
LoRaWAN Specification version: V1.0.2
Certification requirements: LoRa End Device Certification by Similarity V1.1
Frequency band(s): 868 MHz
Type of Certification by Similarity:
Case 2: Certification of an end-device variant from a certified end-device
Variant device differences to the referenced certified device:

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

Brief description of the differences between the primary and the variant device
The devices share the same LoRaWAN SoC and related implementation, with the same interconnection to the internal application part (which differs in the sensor part, in the ArrowWan2 case it is an inductive sensor, in ElectoMVM still an inductive sensor but coupled with a hydraulic unit for volume measurement making an integrated unit.

Date: 22nd December, 2022

The Test Report, No. 6220698 has the following conclusion:

The device fulfils the requirements.

Responsibility: Yavuz Turan, Test Engineer
Approved: Jens Lerner, Quality Engineer