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

"ISL124 LoRaWAN Transmitter"

for the Customer

Invisible Systems Limited

Markus Ridder
Yavuz Turan

14th June 2019

Administrative Summary

Location: IMST GmbH, Test Centre, Kamp-Lintfort, Germany
Responsible Chief Check Engineer: Markus Ridder
Subject: Test of requirements for Certification by Similarity according to LoRaWAN™ Specification V1.0.2
Company and Contact Information:
Invisible Systems Limited
Mr. Pete Thompson
9 Beetham Road, LA7 7QL, Milnthorpe, Great Britain
Checked Device: ISL124 LoRaWAN Transmitter
Firmware version: 2.1.0
Hardware version: ISL124-3
Type and Version of used Stack: Semtech/Stackforce V1.0.2
Original End-device identifier: ISL105 LoRaWAN Transmitter
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 new ISL124 Transmitter expands the Invisible Systems range of LoRaWAN devices. It can be used for monitoring a wide range of environmental conditions, including temperature, humidity, and movement. The transmitter is designed with edge intelligence to provide increased data transmission rates in the event of low or high thresholds being exceeded.

Date: June 14th, 2019

The Test Report, No. 6190804 has the following conclusion:

The device fulfils the requirements.

Responsibility: Approved:

Yavuz Turan, Test Engineer
Markus Ridder, Quality Engineer