

LoRaWAN Certification Test Report

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Location: Etteplan Oyj, Jyväskylä Test Laboratory, Finland

Responsible Test Engineer: Sandro von Brandenburg

Company and Contact Information:

IMST GmbH

Carl-Friedrich-Gauss-Str. 2-4

47475 Kamp-Lintfort

Germany

Heinz Syrzisko

syrzisko@imst.de

Phone: +49 2842 981 414

Fax: +49 2842 981 299

Tested Device: iM880B

Firmware version: v2.0

Hardware version: iM880B

End-device identifier: 70:B3:D5:8F:F0:00:00:03

LoRa Device Class: A

LoRaWAN Specification version: v1.0.2

Certification requirements: LoRa End Device Certification EU Version 1.5

Frequency band(s) tested: 868 MHz

Test Software Version: 1.1.10

Gateway Model: Semtech IOT SX1301 Starter Kit

Gateway Software Version: 3.1.0

Packet Forwarder Software Version: 2.1.0

Test Result: **PASS**

Detailed Test Results

Test Mode activation (ABP): **PASS**
Test Mode activation (OTAA): **PASS**
Test application functionality: **PASS**
Packet Error Rate RX2 SF12: **PASS**
Cryptography: **PASS**
Downlink Window Timing: **PASS**
Frame Sequence Number: **PASS**
Device Status Request: **PASS**
New Channel Request: **PASS**
Confirmed packets: **PASS**
RX Parameter Setup Request: **PASS**
RX timing setup request: **PASS**
Link ADR Request: **PASS**
Packet error rate RX1 Window: **PASS**
Packet error rate RX2 Window: **PASS**

Supported Optional Features:
Adaptive Data Rate (ADR): **Yes**
SF7, BW250 kHz: **Yes**
FSK, 50 kbps: **Yes**

Remarks: None.



Sandro von Brandenburg, Etteplan Oyj