

LoRaWAN Certification Test Report

Date: 23.04.2018

Location: Etteplan Oyj, Jyväskylä Test Laboratory, Finland

Responsible Test Engineer: Sandro von Brandenburg

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Tested Device: M1 module
Firmware version: d0981d+d71c218
Hardware version: R1
End-device identifier: 70:B3:D5:D7:2F:FC:10:01
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: 1.1.11
Gateway Model: IMST Lite Gateway
Gateway Software Version: 5.0.1
Packet Forwarder Software Version: 4.0.1

Test Result: **PASS**

Detailed Test Results

Test Mode activation (ABP): **PASS**
Test Mode activation (OTAA): **PASS**
Test application functionality: **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**
DIChannelReq command: **Yes**
6 dB transmit power range: **Yes**
LinkADRReq block: **Yes**
SF7, BW250 kHz: **Yes**
FSK, 50 kbps: **Yes**

Remarks: None.



Sandro von Brandenburg, Etteplan Oyj