LoRaWAN Certification Test Report

Date: 05.07.2017
Location: Etteplan Oyj, Jyväskylä Test Laboratory, Finland
Responsible Test Engineer: Sandro von Brandenburg

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Tested Device: iM881A
Firmware version: v2.0
Hardware version: iM881A
End-device identifier: 70:B3:D5:8F:F0:00:00:0C
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