LoRaWAN Certification Test Report

Date: 13.06.2017
Location: Etteplan Oyj, Jyväskylä Test Laboratory, Finland
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Tested Device: Pulse Senso
Firmware version: v3.4.0.3538
Hardware version: 50-70-040
End-device identifier: 70:B3:D5:E7:5E:00:2C:EB
LoRa Device Class: A
LoRaWAN Specification version: v1.0.0
Certification requirements: LoRa End Device Certification EU Version 1.2
Frequency band(s) tested: 868 MHz

Test Software Version: 1.1.9
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 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: No
FSK, 50 kbps: No

Remarks: None.

Sandro von Brandenburg, Etteplan Oyj