

LoRaWAN Certification Test Report

Date: 13.06.2017

Location: Etteplan Oyj, Jyväskylä Test Laboratory, Finland

Responsible Test Engineer: Sandro von Brandenburg

Company and Contact Information:

nke Watteco

Rue Gutenberg

ZI Kerandré

56700 Hennebont

+33 (0) 2 97 85 67 65

Mathieu Pouillot

m.pouillot@watteco.com

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