LoRaWAN Certification Test Report

Date: 13th of January, 2017

Location: Etteplan Oyj, Jyväskylä Test Laboratory, Finland

Responsible Test Engineer: Sampo Mäkelä

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Tested Device: WLT 310

Firmware version: V1.028

Hardware version: E

End-device identifier: 39003B0004503342 (OTAA)

LoRa Device Class: A

LoRaWAN Specification version: V1.0

Certification requirements: LoRa End Device Certification EU Version1.2

Frequency band(s) tested: 868 MHz

Test Equipment:

   Test Software Version: 1.1.8
   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 (Over the Air Activation): 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: No

Remarks: None.

Sampo Mäkelä, Etteplan Oyj