

LoRaWAN Certification Test Report

Date: 05.12.2017

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
France

Mathieu Pouillot
m.pouillot@watteco.com
+33 498016006

Tested Device: Cels'O
Firmware version: V3.4.0.3903
Hardware version: 50-70-049 / 50-70-96 / 50-70-97
End-device identifier: 70:B3:D5:E7:5E:00:3F:EE
LoRa Device Class: A
LoRaWAN Specification version: v1.0.0
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): **No**
SF7, BW250 kHz: **No**
FSK, 50 kbps: **No**

Remarks: None.



Sandro von Brandenburg, Etteplan Oyj