



COMPLIANCE PROGRAM

TEST REPORT

Test Report of Conformance to LoRaWAN V1.0.2

Company Name : Chengdu Boost Information
Technologies Inc.

Product Name : Comm Unit(Single/LoRaWAN)

Product Type : LoRaWAN Module

Certification Requirement : AS923

Test Start Date : 2018/09/03

Report Date : 2018/09/12

Test Result : **PASS**

Notice: Test result is valid only to the original tested device model. Allion reserves the right to prohibit others to distort, isolate, falsify, copied and/or by any process to change the content of this test report unless it is prior approved by Allion.



Company

Company Name: Chengdu Boost Information Technologies Inc.
 Company Address: No.18,Wuxing three road,Wuhou District,Chengdu,Sichuan

Contact

Name: songbanyan
 Phone Number: +8618030501519
 E-Mail: songbanyan@cdboost.com.cn

Device under test (DUT) identification:

DUT Name: Comm Unit(Signle/LoRaWAN)
 DUT HW Version: BG201701-MT31-MAIN-A-V1.0
 DUT FW Version: MT31-A-100001
 DUT Serial Number: 20854183500002

Adaptive Data Rate (ADR)? **Yes** **No**
 Optional data rates supported? **DR6 (SF7BW250)** **DR7 (FSK50)**
 Activation possibilities **by personalization** **Over the air** **Both**
 If V1.0.2, does the device provide **DIChannelReq** **LinkADRReq**

For OTA activation

End-device identifier (DevEUI) 1111111111111111
 Application identifier (AppEUI) 2222222222222222
 Application key (AppKey) 33333333333333333333333333333333

For activation by personalization

End-device address (DevAddr) 11111111
 Application session key (AppSKey) 33333333333333333333333333333333
 Network session key (NwkSKey) 44444444444444444444444444444444

Tester: Foster Lan

Authorized Signature:

Overall Test Result: Pass

**Test Summary**

No.	LoRaWAN Functional Test Case	
1	Test mode activation	PASS
2	Test application functionality	PASS
3	Over The Air activation	PASS
4	Downlink error rate	PASS
5	Cryptography	PASS
6	Downlink window timing	PASS
7	Frame sequence number	PASS
8	DevStatusReq MAC command	PASS
9	MAC commands	PASS
10	NewChannelReq MAC command	PASS
11	DIChannelReq MAC command	N/A
12	Confirmed packets	PASS
13	RXParamSetupReq MAC command	PASS
14	RXTimingSetupReq MAC command	PASS
15	LinkADRRReq MAC command	PASS
16	Packet Error Rate RX1	PASS
17	Packet Error Rate RX2	PASS
18	TxParamSetupReq MAC command	PASS

Pass: The device is passed all Mandate items.

Fail: The test item is failed. The failures need to be fixed to get the Certification.

Report Status Term Definition:

Pass: The test item is passed.

N/A: No need to be tested this item.

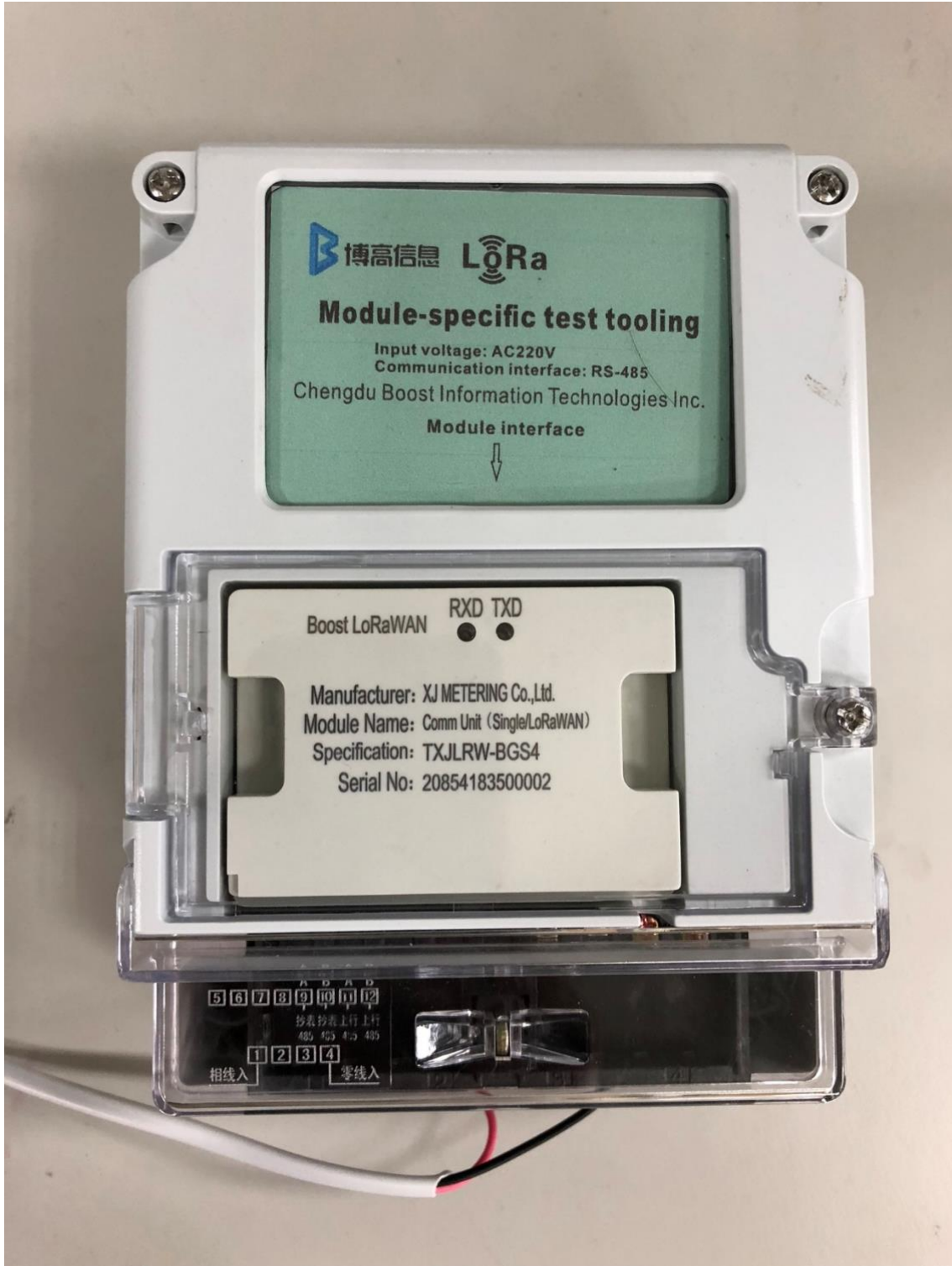
Hold: The test item is discussing with LoRa Alliance.

Warning: The test item is failed. But this failure will not block to get the Certification.

Fail: The test item is failed. The failures need to be fixed to get the Certification.



Device Photo





More Detail Test Result:

Notice: Test result is valid only to the original tested device model. The content of test report may not be copied or re-transmitted (except for the entire report) unless it is prior approved by Allion.

Test Procedure Reference:

1. LoRa Alliance End-Device Certification Requirements for AS923MHzISM Band Devices V1.1