



HUAK TESTING

TEST Report

EN 62479:2010
EN 50663:2017

Prepared for :

Shenzhen Dragino technology development co., LTD.

**Room 202, Block B, BaoChengTai industrial park, No.8 CaiYunRoad,
LongCheng Street, LongGang District, Shenzhen 518116, China**

Product: RS485 to LoRaWAN Converter

Trade Name: Dragino

Model Name: RS485-LN

Date of Test: Oct. 14, 2020 to Oct. 28, 2020

Date of Report: Oct. 28, 2020

Report Number: HK2010142886-2EH

Prepared By :

Shenzhen HUAK Testing Technology Co., Ltd.

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 Manufacturer : Shenzhen Dragino technology development co., LTD.
 Address : Room 202, Block B, BaoChengTai industrial park, No.8 CaiYunRoad, LongCheng Street, LongGang District, Shenzhen 518116, China
 EUT Description : RS485 to LoRaWAN Converter
 (A) Model No. : RS485-LN
 (B) Serial Model : N/A
 (C) Power Supply : DC 7-24V

Standards EN 62479:2010
 EN 50663:2017

This device described above has been tested by Shenzhen HUAK Testing Technology Co., Ltd. and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU requirements. And it is applicable only to the tested sample identified in the report.

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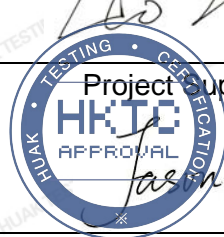
Test Result..... **Pass**

Date of Test: Oct. 15, 2020 to Oct. 28, 2020

Prepared by: *Gang Qian*
 Project Engineer

Reviewed by: *Lao Zhang*
 Project Supervisor

Approved by: *Jason Zhou*
 Technical Director





**** Modified History ****

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2020/10/28	Jason Zhou



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1. GENERAL INFORMATION

1.1 GENERAL DESCRIPTION OF EUT

Equipment	RS485 to LoRaWAN Converter	
Model Name.	RS485-LN	
Serial Model	N/A	
Model Difference	N/A	
Product Description	The EUT is RS485 to LoRaWAN Converter.	
	Operation Frequency:	867.3MHz, 868.1MHz, 868.3MHz
	Modulation Type:	FSK
	Antenna Designation:	External Antenna
	Antenna Gain(Peak)	0 dBi
	More details of EUT technical specification, please refer to the User's Manual.	
Channel List	Refer to below	
Power Rating	TX: DC 7-24V	
Hardware Version	V2.0	
Software Version	V2.0	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.EN 62479 & EN 50663 REQUIREMENT

2.1 GENERAL INFORMATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479:2010 [Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)]

EN 50663:2017 [Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)]

2.2 LIMIT

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.



3. RESULT

PASS.

The available antenna power of this EUT is 19.14mW(12.82dBm), the power are below the low-power exclusion level defined in 4.2(Pmax: 20mW).”
The power see the test report HK2010142886-2ER.