

# 방송통신기자재등의 적합등록 필증

## Registration of Broadcasting and Communication Equipments

상호 또는 성명 Trade Name or Registrant	주식회사 오스틴일렉트릭
기자재명칭(제품명칭) Equipment Name	Bluetooth Tiny 5.0 module
기기부호/추가 기기부호 Equipment code /Additional Equipment code	LARN8
기본모델명 Basic Model Number	PRBMD02
파생모델명 Series Model Number	PRBMD02-1
등록번호 Registration No.	R-R-1Ae-PRBMD02
제조사/제조국가 Manufacturer/Country of Origin	K solution Co.,LTD / 중국
등록연월일 Date of Registration	2022-04-29
기타 Others	

위 기자재는 「전파법」 제58조의2 제3항에 따라 등록되었음을 증명합니다.  
It is verified that foregoing equipment has been registered under the Clause 3, Article 58-2 of Radio Waves Act.

2022년(Year) 09월(Month) 26일(Day)

국립전파연구원장



Director General of National Radio Research Agency

※ 적합등록 방송통신기자재는 반드시 "적합성평가표시" 를 부착하여 유통하여야 합니다.  
위반시 과태료 처분 및 등록이 취소될 수 있습니다.



**TCB****GRANT OF EQUIPMENT  
AUTHORIZATION****TCB**

**Certification**  
**Issued Under the Authority of the**  
**Federal Communications Commission**  
**By:**

**MiCOM Labs**  
**575 Boulder Court**  
**Pleasanton, CA 94566**

**Date of Grant: 06/27/2022**  
**Application Dated: 06/27/2022**

**K-Solution Consulting Co. Ltd.**  
**Blk. H, 11/f, Yuet Wah mansion**  
**39 Yuet Wah street, KwunTong**  
**HK,**  
**China**

**Attention: Au King Shing**

**NOT TRANSFERABLE**

EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE, and is  
VALID ONLY for the equipment identified hereon for use under the Commission's  
Rules and Regulations listed below.

**FCC IDENTIFIER:** 2AX9WMD02  
**Name of Grantee:** K-Solution Consulting Co. Ltd.  
**Equipment Class:** Digital Transmission System  
**Notes:** Bluetooth module  
**Modular Type:** Single Modular

<u>Grant Notes</u>	<u>FCC Rule Parts</u>	<u>Frequency Range (MHZ)</u>	<u>Output Watts</u>	<u>Frequency Tolerance</u>	<u>Emission Designator</u>
	15C	2402.0 - 2480.0	0.0005		

Single Modular Approval. Power listed is the maximum conducted output power. The antennas used with this transmitter must be installed to provide a minimum separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter, except in accordance with FCC multi-transmitter product procedures. End-users must be provided with operating procedures for satisfying RF exposure compliance. OEM integrators must be provided with antenna installation instructions. The OEM integrators must be instructed to ensure that the end user has no manual instructions to remove or install the device. OEM integrators and end-users must be provided with transmitter operation conditions for satisfying RF exposure compliance. Only those antennas tested with the device or similar antennas with equal or lesser gain may be used with this transmitter.



# Attestation of Compliance

Attestation No. : LCSA060222001E

Approval Holder : K-Solution Consulting Co. Ltd

Address : Blk. H, 11/F, Yuet Wah mansion, 39 Yuet Wah street, Kwun Tong, Hong Kong

Manufacturer : K-Solution Consulting Co. Ltd

Address : Blk. H, 11/F, Yuet Wah mansion, 39 Yuet Wah street, Kwun Tong, Hong Kong

Brand Name : N/A

Product : Bluetooth Module

Type/Model Name : PRBMD02

H/S Version : HW: V.1.x  
SW: 1.0

Attestation of the technical design of the radio equipment according to the following essential requirements set out in article 3 of the RED 2014/53/EU:

Article 3.1a): Health and Safety **Conform**

Article 3.1b): Electromagnetic Compatibility **Conform**

Article 3.2: Effective Use of the Radio Spectrum **Conform**

CE-marking

Marking Example (Class 1)



This attestation is issued in accordance with the Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment.

June 27, 2022

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Date of issue

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Manager

Shenzhen LCS Compliance Testing Laboratory Ltd.  
Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District,  
Shenzhen, Guangdong, China  
Tel: (86)755-82591330 Fax: (86)755-82591332  
Http://www.LCS-cert.com Email: webmaster@LCS-cert.com

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**Applied Standards and Test Reports**

Standard	Laboratory	Test Report Number
ETSI EN 301 489-1 V2.2.3 (2019-11) ETSI EN 301 489-17 V3.2.4 (2020-09) EN 55032:2015/A11:2020 EN 55035:2017+A11:2020	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA060222001EA
ETSI EN 300 328 V2.2.2 (2019-07)	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA060222001EB
EN 62479: 2010 EN 50663: 2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA060222001EC
EN 62368-1:2014+A11: 2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCSA060222002S

**General Remarks:**

1. This conformity assessment is limited to the essential requirements of the RED Directive. Only products fulfilling all essential requirements of all applicable new approach directives may be placed on the market and put into service.
2. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.
3. The manufacturer shall take all measures necessary so that the manufacturing process and its monitoring ensure conformity of the manufactured radio equipment with the approved type described in the Attestation of Compliance and with the requirements of Directive 2014/53/EU that apply to it.
4. This device also contains frequency bands that are not operational in EU member states. Only the frequency bands used in European Union have been assessed for this attestation.
5. The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment type for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.





# CERTIFICATE *of* COMPLIANCE



Certificate Validation

## CERTIFICATE OF COMPLIANCE

**R210-190598 / 22 Jun 2022 / Rev A**

**for Radio Equipment in JAPAN**

MiCOM Labs Inc. declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the requirements of the above noted regulator.

Product Name:  
**Buletooth Module**

Approval Holder Name:  
**K-Solution Consulting Co. Ltd**



  
**Gordon Hurst, Product Certifier**

This Certificate is Issued under the Authority of:  
**MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA**  
Registered Certification Body ID Number: 210



# CERTIFICATE OF COMPLIANCE

**R210-190598 / 22 Jun 2022 / Rev A**

**for Radio Equipment in JAPAN**

Product Name:

**Buletooth Module**

Product Model Numbers: **PRBMD02**

**Approval Holder:** **K-Solution Consulting Co. Ltd**, Blk. H, 11/F, Yuet Wah mansion, 39 Yuet Wah street, Kwun Tong, Hong Kong, China

**Test Lab:** **Shenzhen LCS Compliance Testing Laboratory Ltd.**, Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China

## Standards

### Group

Article 2 paragraph 1 item (19)

## Description of Apparatus

Company Name

**K-Solution Consulting Co. Ltd**

Certification No.

**R210-190598**

Issue Date / Rev

**22 Jun 2022 / Rev A**

Equipment Description

**Buletooth Module**

Hardware Version

**V.1.x**

Firmware Version

**1.0**

## Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
GFSK	2402MHz	2480MHz	26M0F1D	0.4mW	Conducted	--	--	--

## Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
Chip Antenna	OCEAN COMPONENTS LTD.	DAG2400L50201 0XZB01-R1	2.29	2400-2500



## CERTIFICATE OF COMPLIANCE

**R210-190598 / 22 Jun 2022 / Rev A**

**for Radio Equipment in JAPAN**

### Technical Construction File Details: (Documents Reviewed)

#### Technical Report(s):

Article 2 paragraph 1 item (19):  
LCSA060222004EA  
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#### Supporting Documentation:

Service Agreement  
Agent Authorization  
ISO 9001 Cert and/or Japan Product Quality  
Japan Application  
Japan Radio Protection Declaration  
Antenna Specifications  
Block Diagram  
BOM or Parts List  
External Photographs (MIC Reported)  
Internal Photographs (MIC Reported)  
Label and its Location  
Operational Description  
PCB Layout  
Schematics  
Test Setup - Japan  
User Manual

### Type Marking

The validity of this Certificate is limited to products, which are equal to the one examined in the type - examination.

- When the manufacturer(or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:

