Certificate of
Radio Equipment in JAPAN
201-230184 / 00

Issued 27 March 2023

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This certificate has THREE Annexes

CERTIFICATE

Kiwa Nederland B.V., operating as Japan Conformity Assessment Body (CAB ID Number: 201), according procedure RD_740, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description:	**Wio-E5 Wireless Module**
Trademark:	**Seeed Studio**
Type designation:	**LoRa-E5-HF**
Hardware / Software:	**v2.0 / v4.0.11**
Manufacturer:	**Seeed Technology Co., Ltd**
Address:	**9F, Building G3, TCL International E city, Shuguang Community, Xili street, Nanshan,**
City:	**Shenzhen**
Country:	**China**

This certificate is granted to:

Name:	**Seeed Technology Co., Ltd**
Address:	**Building G3, TCL International E city, Zhongshanyuan Road, Nanshan**
City:	**Shenzhen**
Country:	**China**

Ron Scheepers
Managing director

PRODUCTS
RvA C 002

Kiwa Nederland B.V.
Wilmersdorf 50
Postbus 137
7300 AC Apeldoorn
The Netherlands

https://www.kiwa.com/nl/en/markets/radio-wireless-and-electrical-equipment/

Chamber of commerce
08090048

- 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:



R 201-230184

Remarks and observations

The following conditions are applicable:

Antennas :
Dipole antenna, max gain of 2 dBi

Documentation lodged for this type-examination

Test Reports:

- Shenzhen BALUN Technology Co.,Ltd.: BL-SZ2330074-601(G1), 24 March 2023

Product Documentation:

- Assembly drawings
- Bill of materials
- Block diagram
- Electrical diagrams
- Antenna specifications
- Internal photos
- External photos
- Manual
- Production quality
- Test setup photos

Technical Standards and Specifications

The product shows no non-compliances with:

- Equipment Radio Regulations: 2008 (including amendments)

Chapter I, General Provisions
Chapter II, Transmitting equipment
Chapter III, Receiving Equipment
Chapter IV, section 4.11 article 49.14

Radio equipment specified in:
Item 8, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

900 MHz digital equipment
- Operating frequency range: 920.6-923.4 MHz (15 channels)
- ITU designation: F1D
- Maximum output power: 16.00 mW rated

The product as described in this Certificate includes the following type designations:

- Product description: Wio-E5 Wireless Module
- Trademark: Seeed Studio
- Type designation: LoRa-E5-HF
- Hardware version: v2.0
- Software version: v4.0.11

RCB Japan
Königswinkel 10
D-32825 Blomberg, Germany
Phone: +49 (0) 5235 9500-75
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www.phoenix-testlab.de

Type Certification

No: 21-210299

for

Specified Radio Equipment in Japan

PHOENIX TESTLAB GmbH, operating as a Registered Certification Body (RCB ID: 204) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio Equipment (ordinance of MPT Nº. 37, 1981), Article 2, Paragraph 1, Item 19.

Product description:	**IoT Dual Mode module**
Trademark:	**BARROT**
Model name:	**BR2551e, BR2551e-s**
Family name:	--
Serial No:	--
Software Release No:	--
Type of emissions:	F1D/G1D
Frequency and power:	Bluetooth BR/EDR: 2402~2480 MHz; 79 ch; 0.05 mW/MHz Bluetooth LE: 2402~2480 MHz; 40 ch; 1.2 mW
Manufacturer:	Chongqing Barrot Technology Limited
Address:	1st Floor, B1-1 Building No. 99 Shujugu zhong road Xiantao Street Yubei District
City:	Chongqing
Country:	China

This certificate is granted to:

Certificate holder:	**Chongqing Barrot Technology Limited**
Address:	**1st Floor, B1-1 Building** **No. 99 Shujugu zhong road** **Xiantao Street** **Yubei District**
City:	**Chongqing**
Country:	**China**

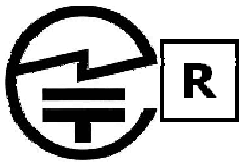
This certificate has 2 annexes.

Blomberg, 12. April 2021
Place, Date

PHOENIX TESTLAB GmbH
Königswinkel 10
32825 Blomberg
Tel. 0 52 35 / 95 00-0
Fax 0 52 35 / 95 00-10
12.04.2021 12:15:55

Signature, Stamp

- The validity of this certificate is limited to products, which are equal to the one examined in the type-examination.
- When the holder of this certificate is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:



204- B00383

Remarks and observations:

The following conditions are applicable:

- Internal ceramic chip antenna, RFANT2012090A0T, with a maximum gain of 1.36 dBi for the 2.4 GHz band

Documentation lodged for the type examination:

Test reports:

- The State Radio_monitoring_center Testing Center (SRTC): SRTC2021-9004(J)-21022202(D), Mar. 12, 2021
- The State Radio_monitoring_center Testing Center (SRTC): SRTC2021-9004(J)-21022202(E), Mar. 12, 2021

Product documentation:

- Block Diagram
- Bill of Materials
- Photos
- User Manual
- Circuit Diagram
- Placement Drawings
- Antenna Specifications

Technical standards and specifications

The product complies with:

Ordinance Regulating Radio Equipment
- Chapter I, General Provisions
- Chapter II, Transmitting Equipment
- Chapter III, Receiving Equipment
- Chapter IV, Article 49.20

Technical features and characteristics:

The product includes the following features and characteristics:

- Modulation method(s):

Bluetooth BR/EDR: FHSS (GFSK for 1 Mbit/s / π/4-DQPSK for 2 Mbit/s / 8-DPSK for 3 Mbit/s)
Bluetooth LE: GFSK

Please note the following points:

1. A person (including a legal person) who was granted the Type Certification (hereafter referred to as "certification dealer" is obliged to prepare and maintain the examination records by Radio Law, Article 38-25, Paragraph 2 and Certification Regulations.
2. Please report to us without delay if any item in the application for this Type Certification is to be changed. The Type Certification will become invalid if there is any discrepancy between the contents of the application documents and the fact.
3. Please keep all records of complaints against this certified equipment (all those reported to suppliers), and provide them to us for our reference upon request.
4. Please take necessary measures against any complaints concerning insuffiency of the equipment or service that influences conformity with technical regulations. Please keep all records of measures you have taken and provide them to us for our reference.
5. Market research can be conducted concerning this Type Certification. In such a case, the necessary testing tools should be submitted upon request.

♦ **Radio Law, Article 38-25**

1. A person who was granted the Type Certification (hereafter referred to as "certification dealer") by a registered certification agency shall, when dealing a specified radio equipment based on the construction type pertaining to said Type Certification (hereafter referred to as "certified construction type"), ensure that said radio equipment confirms to said certified construction type).
2. A certification dealer shall conduct an examination on the specified radio equipment stated in the preceding paragraph, and prepare and maintain the examination records in accordance with the applicable ministerial ordinance of the Ministry of Internal Affairs and Communications.

♦ **Certification Regulations, Article 19**

1. The items of examination record specified under Article 38-25, Paragraph 2 of Radio Law shall include followings:
    1) Type Certification number pertaining to the examination
    2) Date and location that the examination took place
    3) Name of the person who conducted and is in charge of the examination
    4) Name of the specified Radio Equipment which was examined
    5) Method of Examination
    6) Result of Examination
2. The examination record in the preceding paragraph must be stored for 10 years.
3. The examination record in the preceding paragraph can be stored by using the recording media of electromagnetic record. In this case, the stored electromagnetic record must be able to be displayed at once with computer or other devices when necessary.