

Certificate

of
Radio Equipment in JAPAN

No: 201-160415 / 01

Telefication, operating as Conformity Assessment Body (CAB ID Number: 201) with respect to Japan, declares that the listed product complies with the Technical Regulations Conformity Certification of Specified Radio equipment (ordinance of MPT N° 37,1981)

Product description: **Bluetooth 4.2 module (BLE only)**
Trademark: **Laird Technologies**
Type designation: **BL652-SA**
Hardware / Software version: **A1 / 28.7.3.0**
Variants: **--**

Manufacturer: **Laird Technologies**
Address: **W66N220 Commerce Court, Cedarburg**
City: **53012 Wisconsin**
Country: **United States**

This certificate is granted to:

Name: **Laird Technologies**
Address: **W66N220 Commerce Court, Cedarburg**
City: **53012 Wisconsin**
Country: **United States**

This certificate has THREE Annexes.

Zevenaar, 06 August 2018

CAB



David Chen
Product Assessor



- 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:



Remarks and observations

The following conditions are applicable:

Radio module

/01: add data rate (2Mbps) by Software

Antennas for Bluetooth:

Chip Antenna, max gain of 0.5 dBi at 2.4 GHz

Documentation lodged for this type-examination

Test Reports:

- International Certification Corp.: JR662202, 18 August 2016
- International Certification Corp.: JR662202-06AE, 27 July 2018

Product Documentation:

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

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 4.17 article 49.20

Radio equipment specified in:

Item 19, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M34 F1D
- Maximum output power: 3.5 mW rated

Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M20 F1D
- Maximum output power: 2.5 mW rated

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

- Product description: Bluetooth 4.2 module (BLE only)
- Trademark: Laird Technologies
- Type designation: BL652-SA
- Hardware version: A1
- Software version: 28.7.3.0