

# Certificate

of  
Radio Equipment in JAPAN

No: 201-160416 / 03

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**  
Type designation: **BL652-SC**  
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

Listed are 4 antenna's with max antenna peak gain 2 dBi (antenna list).

/01: Add 1 Dipole antenna with max peak gain 2 dBi

/02: Add 1 Chip antenna with max peak gain -1.76 dBi

/03: Add data rate (2Mbps) by Software and Add antennas

1 PCB Dipole antenna with max peak gain 2.21 dBi

1 PIFA antenna with max peak gain 2 dBi

## Documentation lodged for this type-examination

### Test Reports:

- International Certification Corp.: JR662202-01, 18 August 2016
- International Certification Corp.: JR662202-07AE, 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
- Type designation: BL652-SC
- Hardware version: A1
- Software version: 28.7.3.0