

# Certificate

of  
Radio Equipment in JAPAN

No: 201-200063 / 00

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 5.1 Data Module**  
Trademark: **Laird**  
Type designation: **BL653**  
Hardware / Software version: **Rev 1 / v30.1.0.1**

Manufacturer: **Laird Connectivity, Inc.**  
Address: **W66N220 Commerce Court, Cedarburg,**  
City: **53012 Wisconsin**  
Country: **USA**

This certificate is granted to:

Name: **Laird Connectivity, Inc.**  
Address: **W66N220 Commerce Court, Cedarburg,**  
City: **53012 Wisconsin**  
Country: **USA**

This certificate has THREE Annexes.

Zevenaar, 13 May 2020

**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

Antennas for Bluetooth:

2 PCB Dipole antenna, max gain of 2 dBi

Dipole antenna, max gain of 2 dBi

PIFA antenna, max gain of 2 dBi

Printed PCB antenna, max gain of 1.28 dBi

## **Documentation lodged for this type-examination**

### Test Reports:

- International Certification Corp.: JR013002, 11 May 2020

### 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 4.17 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\_With Printed PCB antenna\_1M**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M31 F1D
- Maximum output power: 6.00 mW rated

### **Bluetooth LE\_With MHF4 connector antenna\_1M**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M31 F1D
- Maximum output power: 6.00 mW rated

### **Bluetooth LE\_With Printed PCB antenna\_2M**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M15 F1D
- Maximum output power: 6.00 mW rated

### **Bluetooth LE\_With MHF4 connector antenna\_2M**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M15 F1D
- Maximum output power: 6.00 mW rated

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

- Product description: Bluetooth 5.1 Data Module
- Trademark: Laird
- Type designation: BL653
- Hardware version: Rev 1
- Software version: v30.1.0.1