

# Certificate

of  
Radio Equipment in JAPAN

No: 201-180112 / 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 5.0 BLE Data Module**  
Trademark: **Laird**  
Type designation: **BL654**  
Hardware / Software version: **1.0 / 29.1.1.0**  
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, 26 June 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:



**R** 201-180112

#### Remarks and observations

The following conditions are applicable:

Radio module

Three PCB Dipole antennas , max gain of 2 dBi at 2.4 GHz

Two Dipole antennas, max gain of 2 dBi at 2.4 GHz

PIFA antenna, max gain of 2 dBi at 2.4 GHz

Printed PCB antenna, max gain of 0 dBi at 2.4 GHz

NFC antenna



## Documentation lodged for this type-examination

### Test Reports:

- International Certification Corp.: JR813002, 25 June 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) of article 2, paragraph 1



## Technical features and characteristics

The product includes the following features and characteristics:

### Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M29 F1D
- Maximum output power: 6 mW rated

### Bluetooth LE

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M17 F1D
- Maximum output power: 6 mW rated



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

- Product description: Bluetooth 5.0 BLE Data Module
- Trademark: Laird
- Type designation: BL654
- Hardware version: 1.0
- Software version: 29.1.1.0