

# Certificate

## Of

### Radio Equipment in JAPAN

No.: 142150156/AA/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 Dual Mode UART AT featuring smartBASIC**

Trademark: **Laird Technologies**

Family name: --

Type designation: **BT900-SA**

Serial No: --

Hard-/Software release No: **BT900-A0|9.x.y.z.**

Manufacturer: **Laird Technologies**

Address: **11160 Thompson Ave.**

City: **KS 66219 Lenexa**

Country: **United States**

This certificate is granted to:

Name: **Laird Technologies**

Address: **11160 Thompson Ave.**

City: **KS 66219 Lenexa**

Country: **United States**

This certificate has THREE Annexes.

Zevenaar, 05 June 2014

**CAB**



*W.J.M. Jong*  
i.o.

W.J.M. Jong  
Manager Product Certification



PRODUCTS  
RvA C 224

- 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** 201-140156

#### Remarks and observations

*The following conditions are applicable:*

Antennas for Bluetooth:

- ACX, AT3216-B2R7HAA\_3216, Chip antenna, max gain of 0.5 dBi at 2.4 GHz

## Documentation lodged for this type-examination

### *Test Reports:*

- International Certification Corp.: JR442805AD, 28 May 2014
- International Certification Corp.: JR442805AE, 28 May 2014

### *Product Documentation:*

- Assembly drawings
- Bill of materials
- Block diagram
- Electric diagrams
- Antenna specifications
- Photos
- User 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 (incl. AFH):

- Operating frequency range: 2402-2480 MHz (79 channels)
- Operating frequency band: 2400-2483.5 MHz
- Modulation method(s): FHSS: GFSK, pi/4 DQPSK, 8DPSK
- ITU designation: 78M9F1D
- Maximum output power: 0.3 mW/MHz rated

#### Bluetooth LE:

- Operating frequency range: 2402-2480 MHz (40 channels)
- Operating frequency band: 2400-2483.5 MHz
- Modulation method(s): GFSK
- ITU designation: 1M26F1D
- Maximum output power: 5 mW rated

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

- Product description: Bluetooth Dual Mode UART AT featuring smartBASIC
- Trademark: Laird Technologies
- Type Designation: BT900-SA
- Hardware version: BT900-A0
- Software version: 9.x.y.z.