

# Certificate

of  
Radio Equipment in JAPAN

No: 201-190710 / 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, 802.15.4 module**

Trademark: **Fanstel**

Type designation: **BT840**

Variants: **See Annex 3**

Manufacturer: **Fanstel Corporation, Taipei**

Address: **10F-10, No. 79, Sec. 1, Hsin Tai Wu Rd., Hsi-Chih**

City: **221 New Taipei City**

Country: **Taiwan**

This certificate is granted to:

Name: **Fanstel Corporation, Taipei**

Address: **10F-10, No. 79, Sec. 1, Hsin Tai Wu Rd., Hsi-Chih**

City: **221 New Taipei City**

Country: **Taiwan**

This certificate has THREE Annexes.

Zevenaar, 17 September 2019

**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 1 Dipole antenna with max antenna peak gain 0 dBi and 1 PCB antenna with max antenna peak gain 0.34 dBi at 2.4 GHz

## Documentation lodged for this type-examination

### Test Reports:

- International Standards Laboratory Corp.: ISL-19LR205JAP, 26 August 2019
- International Standards Laboratory Corp.: ISL-19LR205JAPBLE, 26 August 2019

### 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:

### **Zigbee**

- Operating frequency range: 2405-2480 MHz (16 channels)
- ITU designation: 1M49 G1D
- Maximum output power: 6.5 mW/MHz rated

### **Bluetooth LE**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M38 F1D
- Maximum output power: 7 mW rated

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

- Product description: Bluetooth 5.0, 802.15.4 module  
- Trademark: Fanstel  
- Type designation: BT840

- Product description: Bluetooth 5.0, 802.15.4 module  
- Trademark: Fanstel  
- Type designation: BT840E

- Product description: Bluetooth 5.0, 802.15.4 module  
- Trademark: Fanstel  
- Type designation: BT840F

- Product description: Bluetooth 5.0, 802.15.4 module  
- Trademark: Fanstel  
- Type designation: BT840H