



# Certificate of Radio Equipment in JAPAN 201-230324 / 00

**Issued** 21 July 2023  
**Page** 1 of 5  
This certificate has THREE Annexes

Kiwa Nederland B.V., operating as Japan Conformity Assessment Body (CAB ID Number: 201), according procedure RD\_740, 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 5.3, 802.15.4 module                    |
| Trademark:           | Fanstel   |
| Type designation:    | BT40N   |
| Variants:            | See Annex 3                                       |
| Manufacturer:        | Fanstel Corporation, Taipei                       |
| Address:             | 10F-10, No. 79, Sec. 1, Hsin Tai Wu Rd., Hsi-Chih |
| City:                | New Taipei City 221                               |
| 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:    | New Taipei City 221                               |
| Country: | Taiwan  |

Ron Scheepers  
Managing director



Kiwa Nederland B.V.  
Wilmsdorf 50  
Postbus 137  
7300 AC Apeldoorn  
The Netherlands

[https://www.kiwa.com/nl/en/markets/  
radio-wireless-and-electrical-  
equipment/](https://www.kiwa.com/nl/en/markets/radio-wireless-and-electrical-equipment/)

Chamber of commerce  
08090048

- 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 201-230324

## Remarks and observations

The following conditions are applicable:

Antennas for Bluetooth & ZigBee:

Dipole antenna, max gain of 0 dBi at 2.4 GHz.

PCB antenna, max gain of 0.88 dBi at 2.4 GHz.

## Documentation lodged for this type-examination

### Test Reports:

- International Standards Laboratory: ISL-23LR0019JAPBLE, 11 April 2023
- International Standards Laboratory: ISL-23LR0019JAP, 11 April 2023

### 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: 2405-2475 MHz (15 channels)
- ITU designation: G1D
- Maximum output power: 6 mW rated

### **Bluetooth LE**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: F1D
- Maximum output power: 8 mW rated

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

|                        |                                |
|------------------------|--------------------------------|
| - Product description: | Bluetooth 5.3, 802.15.4 module |
| - Trademark:           | Fanstel                        |
| - Type designation:    | BT40N                          |

|                        |                                |
|------------------------|--------------------------------|
| - Product description: | Bluetooth 5.3, 802.15.4 module |
| - Trademark:           | Fanstel                        |
| - Type designation:    | BT40NE                         |