



Certificate of Radio Equipment in JAPAN 201-230649 / 00

Issued 02 October 2023
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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)

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|----------------------|--|
| Product description: | Bluetooth 5.3 module |
| Trademark: | Fanstel |
| Type designation: | BT840N |
| 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



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[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

CERTIFICATE

- 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 201-230649

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 Corp. LT Lab : ISL-23LR0074JPBLE, 11 September 2023
- International Standards Laboratory Corp. LT Lab : ISL-23LR0074JPZIG, 11 September 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: 2402-2480 MHz (16 channels)
- ITU designation: G1D
- Maximum output power: 6 mW/MHz 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 module
- Trademark: Fanstel
- Type designation: BT840N

- Product description: Bluetooth 5.3 module
- Trademark: Fanstel
- Type designation: BT840NE