



# Certificate of Radio Equipment in JAPAN 201-180629 / 01

**Issued** 03 November 2023  
**Page** 1 of 6  
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:  
Trademark:  
Type designation:  
Hardware / Software:

WiFi+Bluetooth 5.0(HS) System on Module  
TechNexion  
PIXI-9377  
A1 / 1.1

Manufacturer:  
Address:  
City:  
Country:

TechNexion Ltd.  
16F-5, No.736, Zhongzheng Road, ZhongHe District  
23511 New Taipei City  
Taiwan

This certificate is granted to:

Name:  
Address:  
City:  
Country:

TechNexion Ltd.  
16F-5, No.736, Zhongzheng Road, ZhongHe District  
23511 New Taipei City  
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:

**Remarks and observations**

The following conditions are applicable:

Antennas for IEEE 802.11a/b/g/n/ac&Bluetooth:

FPC antenna, max gain of 2.5 dBi at 2.4 GHz and max gain of 3 dBi at 5 GHz

Dipole antenna, max gain of 4 dBi at 2.4 GHz and max gain of 6 dBi at 5 GHz

/01: Update Bluetooth version 4.1 to 5.0 and product name

Antennas for IEEE 802.11b/g/n & Bluetooth:

Monopole antenna, max gain of 3.6 dBi at 2.4 GHz

## Documentation lodged for this type-examination

### Test Reports:

- SGS Compliance Certification Services Inc.: T180627D12-RJ1, 17 August 2018
- SGS Compliance Certification Services Inc.: T180627D12-RJ2, 17 August 2018
- SGS Compliance Certification Services Inc.: T180627D12-RJ3, 17 August 2018
- Compliance Certification Services Inc.: TMWK2205002083KR, 10 August 2022

### 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

Item 19-2, Paragraph 1, Article 2

Item 19-3, Paragraph 1, Article 2

Item 19-3-2, Paragraph 1, Article 2

**Technical features and characteristics**

The product includes the following features and characteristics:

**Bluetooth (incl. AFH)**

- Operating frequency range: 2402-2480 MHz (79 channels)
- ITU designation: 78M3 F1D,G1D
- Maximum output power: 0.2 mW/MHz rated

**Bluetooth LE**

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M32 F1D
- Maximum output power: 2 mW rated

**IEEE 802.11b**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 13M1 G1D
- Maximum output power: 0.7 mW/MHz rated

**IEEE 802.11g**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M3 D1D,G1D
- Maximum output power: 0.3 mW/MHz rated

**IEEE 802.11n 20 MHz**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M5 D1D,G1D
- Maximum output power: 0.23 mW/MHz rated

**IEEE 802.11n 40 MHz**

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 35M8 D1D,G1D
- Maximum output power: 0.1 mW/MHz rated

**IEEE 802.11b ch14**

- Operating frequency range: 2484 MHz
- ITU designation: 19M1 G1D
- Maximum output power: 0.3 mW/MHz rated

**IEEE 802.11a**

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 16M3 D1D,G1D
- Maximum output power: 1 mW/MHz rated

**IEEE 802.11n/ac (VHT20)**

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: 17M5 D1D,G1D
- Maximum output power: 0.85 mW/MHz rated

**IEEE 802.11n/ac (VHT40)**

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: 35M8 D1D,G1D
- Maximum output power: 0.72 mW/MHz rated

**IEEE 802.11ac (VHT80)**

- Operating frequency range: 5210 MHz
- ITU designation: 75M0 D1D,G1D
- Maximum output power: 0.1 mW/MHz rated

**IEEE 802.11a**

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 16M3 D1D,G1D
- Maximum output power: 1 mW/MHz rated

**IEEE 802.11n/ac (VHT20)**

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: 17M4 D1D,G1D
- Maximum output power: 0.85 mW/MHz rated

**IEEE 802.11n/ac (VHT40)**

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: 35M8 D1D,G1D
- Maximum output power: 0.72 mW/MHz rated

**IEEE 802.11ac (VHT80)**

- Operating frequency range: 5290 MHz
- ITU designation: 75M0 D1D,G1D
- Maximum output power: 0.1 mW/MHz rated

**IEEE 802.11a**

- Operating frequency range: 5500-5700 MHz (11 channels)
- ITU designation: 16M3 D1D,G1D
- Maximum output power: 1 mW/MHz rated

**IEEE 802.11n/ac (VHT20)**

- Operating frequency range: 5500-5700 MHz (11 channels)
- ITU designation: 17M4 D1D,G1D
- Maximum output power: 0.85 mW/MHz rated

**IEEE 802.11n/ac (VHT40)**

- Operating frequency range: 5510-5670 MHz (5 channels)
- ITU designation: 35M8 D1D,G1D
- Maximum output power: 0.72 mW/MHz rated

**IEEE 802.11ac (VHT80)**

- Operating frequency range: 5530-5610 MHz (2 channels)
- ITU designation: 74M8 D1D,G1D
- Maximum output power: 0.1 mW/MHz rated

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

- Product description: WiFi+Bluetooth 5.0(HS) System on Module
- Trademark: TechNexion
- Type designation: PIXI-9377
- Hardware version: A1
- Software version: 1.1