



Certificate of Radio Equipment in JAPAN 201-230590 / 00

Issued 19 September 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: WiFi+Bluetooth 5.2 System on Module
Trademark: TechNexion Ltd.
Type designation: PIXI-IW416
Hardware / Software: A1 / 1.0

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

This certificate is granted to:

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

Ron Scheepers
Managing director



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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 & Bluetooth:

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

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

Documentation lodged for this type-examination

Test Reports:

- Compliance Certification Services Inc.: TMWK2305001503KR, 07 August 2023
- Compliance Certification Services Inc.: TMWK2305001504KR, 07 August 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

Item 19-3, Paragraph 1, Article 2

Technical features and characteristics

The product includes the following features and characteristics:

IEEE 802.11b

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: G1D
- Maximum output power: 6.356 mW/MHz rated

IEEE 802.11g

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: D1D,G1D
- Maximum output power: 2.961 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.617 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: D1D,G1D
- Maximum output power: 0.881 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.768 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.768 mW/MHz rated

IEEE 802.11a

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.673 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5180-5240 MHz (4 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.841 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5260-5320 MHz (4 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.841 mW/MHz rated

IEEE 802.11n 20 MHz

- Operating frequency range: 5500-5720 MHz (12 channels)
- ITU designation: D1D,G1D
- Maximum output power: 1.622 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5190-5230 MHz (2 channels)
- ITU designation: D1D,G1D
- Maximum output power: 0.930 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5270-5310 MHz (2 channels)
- ITU designation: D1D,G1D
- Maximum output power: 0.930 mW/MHz rated

IEEE 802.11n 40 MHz

- Operating frequency range: 5510-5710 MHz (6 channels)
- ITU designation: D1D,G1D
- Maximum output power: 0.750 mW/MHz rated

Bluetooth (incl. AFH)

- Operating frequency range: 2402-2480 MHz (79 channels)
- ITU designation: F1D,G1D
- Maximum output power: 0.219 mW/MHz rated

Bluetooth LE_1M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: F1D
- Maximum output power: 6.331 mW rated

Bluetooth LE_2M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: F1D
- Maximum output power: 6.039 mW rated

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

- Product description: WiFi+Bluetooth 5.2 System on Module
- Trademark: TechNexion Ltd.
- Type designation: PIXI-IW416
- Hardware version: A1
- Software version: 1.0