

# Certificate

of  
Radio Equipment in JAPAN

No: 201-210561 / 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: **Embedded Wi-Fi/BT Module**

Trademark: **MXCHIP**

Type designation: **EMC3280-P**

Variants: **See Annex 3**

Manufacturer: **Shanghai MXCHIP Information Technology Co., Ltd.**

Address: **9F, Building B, Lane 2145, Jinshajiang Road, Putuo District, Shanghai, China**

City: **Shanghai**

Country: **China**

This certificate is granted to:

Name: **Shanghai MXCHIP Information Technology Co., Ltd.**

Address: **9F, Building B, Lane 2145, Jinshajiang Road, Putuo District, Shanghai, China**

City: **Shanghai**

Country: **China**

This certificate has THREE Annexes.

Apeldoorn, 11 August 2021

**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:



**R** 201-210561

#### Remarks and observations

The following conditions are applicable:

Antennas for IEEE 802.11b/g/n & Bluetooth:  
MXCHIP antenna, max gain of 2 dBi at 2.4 GHz



## Documentation lodged for this type-examination

### Test Reports:

- Sporton International (Kunshan) Inc.: JR170705A, 09 August 2021
- Sporton International (Kunshan) Inc.: JR170705B, 09 August 2021

### 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:

### Bluetooth LE\_1M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 1M04 F1D
- Maximum output power: 8.70 mW rated

### Bluetooth LE\_2M

- Operating frequency range: 2402-2480 MHz (40 channels)
- ITU designation: 2M05 F1D
- Maximum output power: 9.00 mW rated

### IEEE 802.11b\_3.30Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 14M7 G1D
- Maximum output power: 5.10 mW/MHz rated

### IEEE 802.11g\_3.30Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M9 D1D,G1D
- Maximum output power: 2.80 mW/MHz rated

### IEEE 802.11n 20 MHz\_3.30Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M9 D1D,G1D
- Maximum output power: 2.80 mW/MHz rated

### IEEE 802.11n 40 MHz\_3.30Vdc

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 35M9 D1D,G1D
- Maximum output power: 0.90 mW/MHz rated

### IEEE 802.11b\_2.97Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 14M7 G1D
- Maximum output power: 5.10 mW/MHz rated

### IEEE 802.11g\_2.97Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M8 D1D,G1D
- Maximum output power: 2.80 mW/MHz rated

### IEEE 802.11n 20 MHz\_2.97Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 18M0 D1D,G1D
- Maximum output power: 2.80 mW/MHz rated

### IEEE 802.11n 40 MHz\_2.97Vdc

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 35M9 D1D,G1D
- Maximum output power: 0.90 mW/MHz rated

### IEEE 802.11b\_3.63Vdc

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 14M7 G1D
- Maximum output power: 5.10 mW/MHz rated



**IEEE 802.11g\_3.63Vdc**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 16M8 D1D,G1D
- Maximum output power: 2.80 mW/MHz rated

**IEEE 802.11n 20 MHz\_3.63Vdc**

- Operating frequency range: 2412-2472 MHz (13 channels)
- ITU designation: 17M9 D1D,G1D
- Maximum output power: 2.80 mW/MHz rated

**IEEE 802.11n 40 MHz\_3.63Vdc**

- Operating frequency range: 2422-2462 MHz (9 channels)
- ITU designation: 35M7 D1D,G1D
- Maximum output power: 0.90 mW/MHz rated

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

- Product description: Embedded Wi-Fi/BT Module  
- Trademark: MXCHIP  
- Type designation: EMC3280-P

- Product description: Embedded Wi-Fi/BT Module  
- Trademark: MXCHIP  
- Type designation: EMC3280-E