

Construction Type Certification

Registration No. CSRT180415

Certificate Holder Shanghai MXCHIP Information Technology Co., Ltd.
9th Floor, B Building, No.2145 Jinshajiang Road, Putuo District, ShangHai,
China

Product Category Article 2, Paragraph 1, Item 19

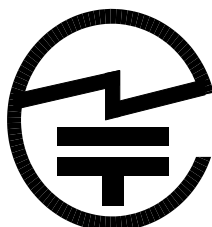
Model Type or Name EMW3166-P, EMW3166-E

Type of Emission, Frequency and Antenna Power G1D 2412MHz ~ 2472MHz (5MHz separation 13 channels)
7.5mW/MHz
D1D, G1D 2412MHz ~ 2472MHz (5MHz separation 13 channels)
1.3mW/MHz, 1.2mW/MHz

Manufacturer Shanghai MXCHIP Information Technology Co. Ltd.
9th Floor, B Building, No. 2145 JinshaJiang Road, Putuo District, Shanghai

Remarks The scope of evaluation relates to the submitted documents and product only.
It is only valid in conjunction with the Annex.

When the product is placed on the Japanese market, the Specified Radio Equipment marking as shown on the right must be attached on visible part of the product.




R 018-180415

Witnesses that the certification is on Construction Type Certification under Article 38-24 of the Radio Law.

Date of Certificate
2018/10/25



Certification Examiner : Takuji Nakano
 Certificate Technical Support Center Co., Ltd.

Technical Construction Form (WW, WiFi)

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| 1. Product Description | Embedded WiFi module | |
| 2. Model Number | EMW3166-P, EMW3166-E | |
| 3. IEEE Standard No. | 802.11b, 802.11g, 802.11n-HT20 | |
| 4. Transmitter | | |
| (1) Rated Output | 7.5mW/MHz (802.11b) 1.3mW/MHz (802.11g) 1.2mW/MHz (802.11n-HT20) | |
| (2) Type of Emission and frequency | G1D 2412MHz ~ 2472MHz (5MHz separation 13 channels) D1D, G1D 2412MHz ~ 2472MHz (5MHz separation 13 channels) | |
| (3) Oscillation | Synthesizer method using Crystal Oscillator with 26MHz | |
| (4) Type of Modulation | DBPSK, DQPSK, CCK BPSK, QPSK, 16QAM, 64QAM | |
| (5) Spectrum Spread Method etc. | DSSS, OFDM | |
| (6) RF Chip Number | BCM43362 | |
| 5. Antenna | | |
| (1) Type or Structure | PCB Antenna | |
| (2) Antenna Gain | 2dBi | |
| 6. Power Source | DC3.3V | |
| 7. Auxiliary | - Interference prevention function equipment (The function specified in Article 9-4 of the Ordinance Regulating Radio Equipment) | |
| 8. Test Report | JR891204A, B, C (Issued Date: 2018.10.22) | |
| 9. Test Lab | SPORTON INTERNATIONAL (KUNSHAN) INC. | |
| 10. Review Documents | Block Diagram Circuit Diagram BOM List Antenna Specification | External/Internal Photographs User Manual Certificate Label Design and Location PCB Layout |
| 11. Confirmation Method of Certification by Type | ISO 9001 Certificates | |
| 12. Reference Information | | |