

Designated by the German Regulator Bundesnetzagentur to act as a
Recognised Foreign Conformity Assessment Body in accordance with the Japan-EC MRA

CONSTRUCTION TYPE CONFORMITY CERTIFICATE for Specified Radio Equipment

| | |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Registration No. | JU000519F Rev.1 |
| Certificate Holder | ESPRESSIF SYSTEMS (SHANGHAI) PTE LTD Room 204, Building 2, 690 Bibo Road, Zhangjiang Hi-tech Park 201203 / Shanghai P.R. China |
| Product Category | Article 2, Paragraph 1, Item 19 (WW) Article 2, Paragraph 1, Item 19-2 (GZ) |
| Product Designation | ESP-WROOM-02 |
| Product Description | WiFi Module |
| Software Release No. | SW V1.0 |
| Manufacturer | CHINA DRAGON TECHNOLOGY LIMITED Building B4, Haosan Linpokeng No. 1 Industrial Park Shajing Town, Bao'an District, 518104 / Shenzhen P. R. China |

When the product is placed on the
Japanese market, it must carry the
Specified Radio Equipment marking as
shown on the right



The scope of evaluation relates to the submitted documents only.

This Certificate confirms that the listed product has demonstrated conformity with the relevant technical
regulations defined in the attached Annex. It is only valid in conjunction with the Annex.

Unterleinleiter,
2016-12-16



Kai Heinrichs
Recognised Foreign Conformity Assessment Body

Technical Construction File (TCF) Details

| | | |
|------------------------------------------------------------------------|---------------------------------------------|------------------------------------|
| Product Category: | Article 2, Paragraph 1, Item 19 (WW) | |
| Technical Standards and Specifications | | |
| <i>The product complies with:</i> | | |
| Ordinance Regulating Radio Equipment No. 18, 2006 | | |
| Chapter I | General Provisions | |
| Chapter II | Transmitting Equipment | |
| Chapter III | Receiving Equipment | |
| Chapter IV | Article 49.20 | |
| Documentation submitted for the Construction Type Certification | | |
| Test Report No. | Issue Date | Issued by |
| RXA1503-0042RF03R4 | 2015-06-05 | TA Technology (Shanghai) Co., Ltd. |
| Product documentation | | |
| Antenna specifications | | |
| Label and Label location | | |
| PCB layout | | |
| Operational description | | |
| Schematic diagram | | |
| User Manual | | |
| Quality System documentation | | |
| ISO 9001 Certificate for manufacturer | | |
| Technical characteristics | | |
| Type of modulation: | DSSS, OFDM | |
| Emission designator: | G1D, F1D | |
| Operating frequency range: | 2412 – 2472 MHz | |
| Maximum measured output power density: | 8.09 mW/MHz | |
| Maximum antenna gain: | 2 dBi | |
| Other information | | |
| The device is certified for operation with the following antenna(s): | | |
| AN043 (Small Size 2.4 GHz PCB Antenna) | | |

Technical Construction File (TCF) Details

| | | |
|------------------------------------------------------------------------|-----------------------------------------------|------------------------------------|
| Product Category: | Article 2, Paragraph 1, Item 19-2 (GZ) | |
| Technical Standards and Specifications | | |
| <i>The product complies with:</i> | | |
| Ordinance Regulating Radio Equipment No. 18, 2006 | | |
| Chapter I | General Provisions | |
| Chapter II | Transmitting Equipment | |
| Chapter III | Receiving Equipment | |
| Chapter IV | Article 49.20 | |
| Documentation submitted for the Construction Type Certification | | |
| Test Report No. | Issue Date | Issued by |
| RXA1503-0042RF04R4 | 2015-06-05 | TA Technology (Shanghai) Co., Ltd. |
| Product documentation | | |
| Antenna specifications | | |
| Label and Label location | | |
| PCB layout | | |
| Operational description | | |
| Schematic diagram | | |
| User Manual | | |
| Quality System documentation | | |
| ISO 9001 Certificate for manufacturer | | |
| Technical characteristics | | |
| Type of modulation: | DSSS | |
| Emission designator: | G1D | |
| Operating frequency range: | 2484 MHz | |
| Maximum measured output power density: | 8.09 mW/MHz | |
| Maximum antenna gain: | 2 dBi | |
| Other information | | |
| The device is certified for operation with the following antenna(s): | | |
| AN043 (Small Size 2.4 GHz PCB Antenna) | | |