

**Bay Area Compliance Laboratories Corp.**

**JAPAN MIC  
CERTIFICATE OF TYPE APPROVAL**

**Certificate Number:** 211-171104

**Certificate Holder:** Espressif Systems (Shanghai) PTE Ltd.  
Room 204, Building 2, 690 Bibo Road,  
Pudong Dist., Shanghai, China

**Manufacturer:** Espressif Systems (Shanghai) PTE Ltd.

**Model Number(s):** ESP-WROOM-02U

**Type of Equipment:** Article 2 Paragraph 1, Item 19, Item 19-2  
Low Power Data Communications System in the 2.4 GHz Band  
Specified Radio Equipment Specified in Article 38-2-2,  
Paragraph 1, Item 1 of the Radio Law

**Category:** Paragraph 1, Item 1 of the Radio Law

**Frequency Range:** 2412-2472 MHz, 2484 MHz

**Modulation(s):** DSSS, OFDM

**Channel Spacing:** 5 MHz (13 CH)

**Type of Emissions:** G1D, D1D  
6.5 mW/MHz (802.11b), 6.5 mW/MHz (802.11b CH14)  
1.6 mW/MHz (802.11g), 1.4 mW/MHz (802.11n20)

**Antenna Output Power:** 1.6 mW/MHz (802.11g), 1.4 mW/MHz (802.11n20)

**Antenna Type:** External Antenna with iPEX Connector, 2.33 dBi

**Standards Applied:** MIC Notices NO. 88 Annex 1, 43, 44

**Remark:** B17110316, RSHA171109008-00A, RSHA171109008-00B

**Registered Certification Body:** RCB ID: 211  
Bay Area Compliance Laboratories Corp.  
1274 Anvilwood Ave., Sunnyvale, CA 94089, USA  
Tel: 1-(408)-732-9162 Fax: 1-(408)-732-9164  
www.baclcorp.com

This certificate is issued to the applicant for the product(s) listed above which is (are) compliant with the Radio Law (Law No. 131, 1950) and Amendments.

Authorized by: *Daniel Deng*  
Daniel Deng, Certifier



Issue Date: 2017-12-23

JRMIC-B