

# Bay Area Compliance Laboratories Corp.

## JAPAN MIC CERTIFICATE OF TYPE APPROVAL

**Certificate Number:** 211-190104

**Certificate Holder:** ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.  
Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park,  
Shanghai 201203, China

**Manufacturer:** ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.

**Model Number(s):** ESP-EYE

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

**Category:** Specified Radio Equipment Specified in Article 38-2-2,  
Paragraph 1, Item 1 of the Radio Law

**Frequency Range:** Bluetooth/BLE: 2402-2480 MHz  
Wi-Fi: 2412-2472 MHz, 2422-2462 MHz  
2484 MHz (802.11b CH 14)

**Modulation(s):** Bluetooth: GFSK,  $\pi/4$ -DQPSK, 8DPSK  
BLE: GFSK; Wi-Fi: DSSS, OFDM

**Channel Spacing:** Bluetooth: 1 MHz (79 CH); BLE: 2 MHz (40 CH)  
Wi-Fi: 5 MHz (13 CH @ 20 MHz BW, 9 CH @ 40 MHz BW)

**Type of Emissions:** Bluetooth/BLE: F1D; Wi-Fi: G1D, D1D

**Antenna Output Power:** Bluetooth: 0.25 mW/MHz; BLE: 1.5 mW  
Wi-Fi: 8 mW/MHz (802.11b CH1-13), 3.5 mW/MHz (802.11b CH14)  
2.0 mW/MHz (802.11g), 1.5 mW/MHz (802.11n20),  
0.5 mW/MHz (802.11n40)

**Antenna Type:** PIFA Antenna, 2.98 dBi

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

**Remark:** B19010912, RSHD190123002-24A, RSHD190123002-24B,  
RSHD190123002-24C, RSHD190123002-24D

**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  
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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: 2019-03-25

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