

Bay Area Compliance Laboratories Corp.

JAPAN MIC CERTIFICATE OF TYPE APPROVAL

Certificate Number: 211-171103
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): ESP32-WROOM-32U
Type of Equipment: Article 2 Paragraph 1, Item 19
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: Bluetooth/BLE: 2402-2480 MHz
Wi-Fi: 2412-2472 MHz, 2422-2462 MHz, 2484MHz
Frequency Range: Bluetooth: GFSK, ~~01~~-DQPSK, 8DPSK; BLE: GFSK
Wi-Fi: DSSS, OFDM
Modulation(s): Bluetooth: 1 MHz (79 CH); BLE: 2 MHz (40 CH)
Wi-Fi: 5 MHz (13 CH @ 20 MHz BW, 9 CH @ 40 MHz BW)
Channel Spacing: Bluetooth/BLE: F1D; Wi-Fi: G1D, D1D
Bluetooth: 0.15 mW/MHz; BLE: 3.28 mW
Wi-Fi: 5.7 mW/MHz (802.11b), 1.2 mW/MHz (802.11g)
1.2 mW/MHz (802.11n20), 0.3 mW/MHz (802.11n40)
Type of Emissions: External Antenna with iPEX Connector, 2.33 dBi
Antenna Type: MIC Notices NO. 88 Annex 1, 43
Standards Applied: B17110315, RSHA171030001-00A/-00B/-00C/-00D
Remark: RCB ID: 211
Registered Certification Body: 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, Certifier

Issue Date: 2018-01-16

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