



**BAY AREA COMPLIANCE LABORATORIES CORP.**

**INNOVATION, SCIENCE & ECONOMIC DEVELOPMENT CANADA  
CERTIFICATE OF COMPLIANCE**

*Bay Area Compliance Laboratories Corp. (BACL) certifies that the apparatus detailed below complies with all applicable requirements of the stated specifications*

**Certificate Number:** B2009223

**Certification Number:** 21098-ESPWROOMUE

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

**Certificate Holder:**

**Model Name/Number:** ESP32-WROOM-32UE

**Type of Equipment:** Modular Approval, Bluetooth Device, Wi-Fi Device

**ISED Specifications:** RSS-247, Issue 2, Feb 2017

Bay Area Compliance Laboratories Corp. (Kunshan)  
No. 248 Chenghu Road, Kunshan Development Zone,  
Kunshan, Jiangsu, China

**Test Laboratory:** Tel: +86 (512) 8617-5000, Fax: +86 (512) 8893-4268

**ISED Test Lab #:** 3062E-2

**Frequency Range:** Bluetooth/BLE: 2402-2480 MHz  
Wi-Fi: 2412-2462 MHz, 2422-2452 MHz

Bluetooth: 0.006 W; BLE: 0.003 W  
Wi-Fi: 0.261 W (802.11b), 0.225 W (802.11g)

**Output Power (Conducted):** 0.200 W (802.11n20), 0.131 W (802.11n40)

**Antenna Information:** Dipole Antenna: 2.33 dBi

Bluetooth: 1M18F1D; BLE: 1M02F1D

**Emission Designation:** Wi-Fi: 13M0G1D, 16M4D1D, 17M1D1D, 35M8D1D

*Certification of equipment means only that the equipment has met the requirements of the above noted specification. License applications, where applicable to use certified equipment, are acted on accordingly by the issuing office and will depend on the existing radio environment, service and location of operation. This certificate is issued on condition that the holder complies and will continue to comply with the requirements and procedures issued by ISED / La certification du matériel signifie seulement que le matériel a satisfait aux exigences de la norme indiquée ci-dessus. Les demandes de licences nécessaires pour l'utilisation du matériel certifié sont traitées en conséquence par le bureau de destination et dépendent des conditions radio ambiantes, du service et de l'emplacement d'exploitation. Le présent certificat est délivré à la condition que le titulaire satisfasse et continue de satisfaire aux exigences et aux procédures d'ISED.*

Authorized by: *Daniel Deng*

Daniel Deng, Certifier

Bay Area Compliance Laboratories Corp.  
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