

# CERTIFICATE OF COMPLIANCE

Bay Area Compliance Laboratories Corp. (BACL)  
1274 Anvilwood Avenue, Sunnyvale, CA 94089, USA  
Tel: 1 (408) 732-9162 Fax: 1 (408) 732-9164 Web: www.baclcorp.com



## BAY AREA COMPLIANCE LABORATORIES CORP. CERTIFICATE OF COMPLIANCE

INNOVATION, SCIENCE & ECONOMIC DEVELOPMENT CANADA

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

**TAC Identifier:** B20111311

**Certification Number:** 21098-ESPS2WROOM

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

**Certificate Holder:** Modular Approval, Wi-Fi Device

**PMN:** Wi-Fi Internet of Things Module

**HMN:** N/A

**HVIN:** ESP32-S2-WROOM, ESP32-S2-WROOM-I

**FVIN:** N/A

**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:** 3062E-2

**Technical Specifications:** Please refer to Annex A

*Certification of equipment means only that the equipment has met the requirements of the above-noted specification. Licence applications, where applicable to use certified equipment, are acted on accordingly by the ISED 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. The equipment for which this certificate is issued shall not be manufactured, imported, distributed, leased, offered for sale or sold unless the equipment complies with the applicable technical specifications 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 délivrance d'ISDE 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'ISDE. Le matériel à l'égard duquel le présent certificat est délivré ne doit pas être fabriqué, importé, distribué, loué, mis en vente ou vendu à moins d'être conforme aux procédures et aux spécifications techniques applicables par ISDE.*

Authorized by: Daniel Deng

Daniel Deng, Certifier

I hereby attest that the subject equipment was tested and found in compliance with the above-noted specification. / J'atteste, par la présente, que le matériel a fait l'objet d'essai et a été jugé conforme à la spécification ci-dessus.

Bay Area Compliance Laboratories Corp.  
1274 Anvilwood Avenue,  
Sunnyvale, CA 94089, USA

Daniel  
Deng

Digitally signed by

Daniel Deng  
DN: cn=Daniel  
Deng, o, ou,  
email=daniel@ba  
clcorp.com, c=US  
Date: 2020.11.19  
11:28:44 -08'00'



Date of Issue: 2020-11-19

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## ANNEX A TO CERTIFICATE

CB Identifier	TAC Identifier	Certification No.	Issue Date
US0057	B20111311	21098-ESPS2WROOM	2020-11-19

### TECHNICAL PARAMETERS

Frequency Range (MHz)		RF Power (Watt)	Emission Bandwidth (kHz)	Emission Designators
Lower	Upper			
2412	2462	0.170	13347	13M3G1D
2412	2462	0.316	17435	17M4D1D
2412	2462	0.265	18277	18M3D1D
2422	2452	0.193	36794	36M8D1D
Antenna Information	ESP32-S2-WROOM: PCB Antenna, 3.4 dBi ESP32-S2-WROOM-I: Dipole Antenna, 2.33 dBi			

### REMARKS AND COMMENTS/REMARQUES ET COMMENTAIRES

This certificate has no validity if the Certification No. shown above is not listed in the REL.

\*\*\*\*\* END OF ANNEX A \*\*\*\*\*

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