



**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: B20111312

Certification Number: 21098-ESPS2WROVER

ESPRESSIF SYSTEMS (SHANGHAI) CO., LTD.
Suite 204, Block 2, 690 Bibo Road,

Certificate Holder: Zhang Jiang Hi-Tech Park, Shanghai 201203, China

Type of Equipment: Modular Approval, Wi-Fi Device

PMN: Wi-Fi Internet of Things Module

HMN: N/A

HVIN: ESP32-S2-WROVER, ESP32-S2-WROVER-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: Kunshan, Jiangsu, China

ISED Test Lab #: 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 publiées par ISDE.

Authorized by:

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**



Date of Issue: 2020-11-19

This document issued by Bay Area Compliance Laboratories Corp. ("BACL"), is subject to its general conditions of service printed on the quotation, purchase order acknowledgement, or on the Product Certification Agreement and is available on request. We hereby notify you that those aforementioned documents contain details on the limitations of the liability, indemnification and jurisdiction issues defined therein. Anyone possessing this document is advised that information contained herein reflects the Company's results or findings at the conclusion of testing or services rendered only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of a duly authorized representative of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The results, opinions or attestations shown in this document refer only to the sample(s) test and such sample(s).

CI008-J



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

ANNEX A TO CERTIFICATE

CB Identifier	TAC Identifier	Certification No.	Issue Date
US0057	B20111312	21098-ESPS2WROVER	2020-11-19

TECHNICAL PARAMETERS

Frequency Range (MHz)		RF Power (Watt)	Emission Bandwidth (kHz)	Emission Designators
Lower	Upper			
2412	2462	0.130	13347	13M3G1D
2412	2462	0.188	17375	17M4D1D
2412	2462	0.202	18337	18M3D1D
2422	2452	0.179	37034	37M0D1D
Antenna Information	ESP32-S2-WROVER: PCB Antenna, 3.4 dBi ESP32-S2-WROVER-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 *****

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

This document issued by Bay Area Compliance Laboratories Corp. ("BACL"), is subject to its general conditions of service printed on the quotation, purchase order acknowledgement, or on the Product Certification Agreement and is available on request. We hereby notify you that those aforementioned documents contain details on the limitations of the liability, indemnification and jurisdiction issues defined therein. Anyone possessing this document is advised that information contained herein reflects the Company's results or findings at the conclusion of testing or services rendered only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of a duly authorized representative of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. The results, opinions or attestations shown in this document refer only to the sample(s) test and such sample(s).

CI008-J

