

Eurofins Electrical and Electronic Testing NA, Inc. is part of the Eurofins Electrical & Electronics (E&E) global compliance network

THE FOLLOWING EQUIPMENT HAS BEEN TESTED
AND CERTIFIED UNDER
INNOVATION, SCIENCE AND ECONOMIC DEVELOPMENT CANADA

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RSS-102 Issue 6 (December 15, 2023)
RSS-Gen Issue 5, April 2018 + Amendment 1 (March 2019) + Amendment 2 (February 2021)
RSS-247 Issue 3, August 2023

Issued By:

Eurofins Electrical and Electronic Testing NA, Inc.

914 W. Patapsco Avenue
Baltimore, Maryland 21230
Laboratory Number: 2043A

Equipment Certification is hereby issued to the Identified Certificate Holder and is VALID ONLY for the equipment identified herein.
La certification du matériel est distribuée à la Société identifiée et est VALIDE SEULEMENT pour l'équipement identifié ci-dessous.
NOT TRANSFERABLE / PAS TRANSMISSIBLE

FILE/CERTIFICATE NUMBER: 2751-08-2024-240457

CERTIFICATION NUMBER: IC: 21098-ESPWROOM32E

Issued to/Dé livré a: Espressif Systems (Shanghai) Co.,Ltd.
Date Issued/ Date de publication: 8/28/2024
Address/Adresse: Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park, Shanghai, China

Nature of Application/Nature d'Application: Existing Family/Modifications
Equipment Description/Genre de Matériel: Wi-Fi & Bluetooth Internet of Things Module
Type of Radio Equipment/catégorie du matériel certifié: Wireless Local Area Network Device
Equipment Category/Catégorie de Matériel: Category I

Hardware Version Identification Number (HVIN)/Numéro d'identification de la version du matériel (NIV du matériel informatique): ESP32-WROOM-32E
Product Marketing Name (PMN)/Nom de Marque du Produit (NMP): ESP32-WROOM-32E
Firmware Version Identification Number (FVIN) / Numéro d'identification de la version du micrologiciel ((NIV du micrologiciel): N/A
Hosting Marketing Name (HMN)/nom de marque de l'hôte (NMH): N/A

Conducted RF Power or Field Strength/Puissance H.F.: 0.398 W, 0.348 W, 0.353 W, 0.378 W, 0.006 W, 0.01 W

Frequency Range/Bande de Fréquences: 2412-2462 MHz, 2412-2462 MHz, 2412-2462 MHz
2422-2452 MHz, 2402-2480 MHz, 2402-2480 MHz

Bandwidth(s)/ largeurs de bande : 13166 kHz, 16834 kHz, 17615 kHz, 36673 kHz, 1016 kHz
1184 kHz

Emission Designations/Genre D'Émission: 13M2G1D, 16M8D1D, 17M6D1D, 36M7D1D, 1M02F1D
1M18F1D

Antenna Information/ l'information d'antenne: PCB Antenna

Test Lab/ Laboratoire de test: Eurofins TA Technology (Shanghai) Co. Ltd.
No. 145 Jintang Rd, Tanzhen Industry Park, Pudong Shanghai, China
TEL: +86-021-50791141/2/3
FAX: +86-021-50791141/2/3-8000

Test Lab ISED Site Number/Laboratoire de test ISED Numéro de site: IC: 8510A

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Notes/Remarques:

C2PC application. Modular approval. Power listed is conducted power. The device supports 20MHz and 40MHz bandwidths. The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter device. This module is approved for use only in the mobile configurations associated with this filing. This grant is valid only when the module is sold to OEM integrators and must be installed by the OEM or OEM integrators. Only those antenna(s) tested with the device or similar antenna(s) with equal or lesser gain may be used with this transmitter. End-users may not be provided with the module installation instructions. Installation of this device into portable RF Exposure category host devices requires the submission of a Class II permissive change or new application. Compliance of this device in all final host configurations is the responsibility of the Grantee.

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 Innovation, Science and Economic Development Canada 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 Innovation, Science and Economic Development Canada. 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 Innovation, Science and Economic Development Canada.

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'Innovation, Sciences et Développement économique Canada 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'Innovation, Sciences et Développement économique Canada. 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 Innovation, Sciences et Développement économique Canada.

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 jugé conforme à la spécification ci-dessus.

Authorized Eurofins Electrical and Electronic Testing NA, Inc. Representative:



Signature:

Printed: 8/28/2024

Tom Zhang