

Notified Body
Eurofins Electrical and Electronic Testing NA, Inc.

EU-TYPE EXAMINATION CERTIFICATE

Registration Number: 2719-12-2023-230465

Manufacturer: Espressif Systems (Shanghai) Co.,Ltd.
Suite 204, Block 2, 690 Bibo Road, Zhang Jiang Hi-Tech Park, Shanghai, China
Product Description: Wi-Fi & Bluetooth IoT Module
Model Number/Name: ESP8685-WROOM-01

Essential Requirement(s)	Result
Art. 3.1(a) Safety	Conform
Art. 3.1 (a) Health	Conform
Art. 3.1(b) EMC	Conform
Art. 3.2 Radio	Conform
Art. 3.3(g) Emergency service	Not applicable

Examination Result:

Based on the reports provided and the information therein, the equipment referenced above is compliant to these specifications.

The scope of evaluation relates to the submitted documents only.

This Certificate is issued in accordance with Annex III, Module B, of the RE directive 2014/53/EU of 16 April 2014 and is only valid in conjunction with the attached Annex.

12/14/2023
Date



Signed By Tom Zhang
Notified Body

Annex

Product specification

Hardware version: V1.1

Software version: V1.1.3.4

Frequency Band(s):

WIFI 2.4G: 2412-2472MHz (TX/RX)

Bluetooth LE: 2402MHz~2480MHz(TX/RX)

Transmit Power Range(s):

WIFI 2.4G:19.92 dBm MAX RF output power (EIRP)

Bluetooth LE: 18.69 dBm MAX RF output power (EIRP)

Modulation Type(s):

WIFI 2.4G:DSSS, OFDM

BLE :GFSK

Antenna type(s):

PCB Antenna

Technical Construction File (TCF) Details

<i>To demonstrate conformity with Article 3.1(a) Health</i>		
Applied Standards		
EN 50665:2017		
EN IEC 62311:2020		
Report or Certificate No.	Issue Date	Issued by
R2309A1014-M1	11/29/2023	TA Technology(Shanghai) Co., Ltd.
<i>To demonstrate conformity with Article 3.1(a) Safety</i>		
Applied Standards		
IEC 62368-1:2018		
EN IEC 62368-1:2020+A11:2020		
Report or Certificate No.	Issue Date	Issued by
R2309A1014-L1	12/08/2023	TA Technology(Shanghai) Co., Ltd.
<i>To demonstrate conformity with Article 3.1(b) EMC</i>		
Applied Standards		
EN 55032: 2015 + A11: 2020		
EN 55035: 2017 + A11: 2020		
ETSI EN 301 489-1 V2.2.3		
ETSI EN 301 489-17 V3.2.4		
Report or Certificate No.	Issue Date	Issued by
R2309A1014-E1	11/29/2023	TA Technology(Shanghai) Co., Ltd.
<i>To demonstrate conformity with Article 3.2 Spectrum Efficiency</i>		
Applied Standards		
ETSI EN300 328 V2.2.2		
Report or Certificate No.	Issue Date	Issued by
R2309A1014-R1	11/29/2023	TA Technology(Shanghai) Co., Ltd.

To demonstrate conformity with Article 3.3 Emergency service

Applied Standards

N/A

Report or Certificate No.

Issue Date

Issued by

N/A

N/A

N/A



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