

EU TYPE EXAMINATION CERTIFICATE

Issue Date: January 26, 2022

Applicant:

Espressif Systems (Shanghai) Co.,Ltd.
Suite 204, Block 2, 690 Bibo Road, Zhang Jiang
Hi-Tech Park, Shanghai, China

Manufacturer:

Same as Applicant

Model Number/Name: ESP32-S3-WROOM-1

Product Description: Wi-Fi & Bluetooth Internet of Things Module

Serial Number: N/A

Hardware version: V1.3

Software version: V1.1.3.0

Frequency Band(s):

Bluetooth LE :2402 MHz to 2480 MHz

Wi-Fi :2412MHz to 2472 MHz

Transmit Power Range(s):

Wi-Fi :19.9dBm EIRP (Rated)

Bluetooth LE :10 dBm EIRP (Rated)

Modulation Type(s):

Bluetooth LE: GFSK

Wi-Fi: DSSS, OFDM

Channel Spacing(s):

Bluetooth LE: 2MHz

Wi-Fi: 5MHz

Duty Cycle: N/A

Microprocessor Model Number(s): ESP32-S3

Antenna Type(s) and Gain(s): PCB Antenna, 3.26dBi

Essential Requirement		Applied Specifications/Standards	Documentary Evidence	Result
Art. 3.1(a)	Safety	EN IEC 62368-1:2020+A11:2020	Test Report	Pass
Art. 3.1 (a)	Health	EN 50665:2017 EN IEC 62311:2020	Test Report	Pass
Art. 3.1(b)	EMC	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	Test Report	Pass
Art. 3.2	Radio	ETSI EN300 328 V2.2.2	Test Report	Pass

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.

Grace xi

Grace Xi

Technical Reviewer

REDCA Program, Eurofins Electrical and Electronic Testing NA, Inc.

Project Number: 1732-01-2022-117324

ESP32-S3-WROOM-1

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
R2111A1079-M1	2022.1.5	TA Technology(Shanghai) Co., Ltd.
<i>To demonstrate conformity with Article 3.1(a) Safety</i>		
Applied Standards		
EN IEC 62368-1:2020+A11:2020		
Report or Certificate No.	Issue Date	Issued by
R2111A1079-L1	2021.12.31	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
R2111A1079-E1V1	2022.1.25	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
R2111A1079-R1V1	2022.1.25	TA Technology(Shanghai) Co., Ltd.

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