

Notified Body
Eurofins Electrical and Electronic Testing NA, Inc.

EU-TYPE EXAMINATION CERTIFICATE

Registration Number: 3397-09-2024-240647

Manufacturer: Shenzhen Ai-Thinker Technology Co., Ltd
410, Block C, Huafeng Smart Innovation Port. Gushu 2nd Road, Gushu Community,
Xixiang Street, Baoan District, Shenzhen, China
Product Description: Wi-Fi + BT SoC Module
Model Number/Name: BW16

Essential Requirement(s)

Art. 3.1(a) Safety
Art. 3.1 (a) Health
Art. 3.1(b) EMC
Art. 3.2 Radio

Result

Conform
Conform
Conform
Conform

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.

9/5/2024
Date

Jackson Yang
Signed By Jackson Yang
Notified Body

For validation of this document's authenticity, please contact globalcertification@cpt.eurofinsus.com for verification.

Annex

Product specification

Hardware version: V1.2

Software version: V1.0

Frequency Band(s):

Bluetooth: 2402-2480MHz

WiFi (2.4G): IEEE 802.11b/g/n 20: 2412-2472MHz/ 13 channel

IEEE 802.11n 40: 2422-2462MHz/ 9 channel

WiFi(5G): IEEE 802.11a/n(20M): 5150MHz ~5250MHz/ 4 channel

IEEE 802.11n(40M): 5150MHz ~5250MHz/ 2 channel

IEEE 802.11a/n(20M): 5250MHz ~5350 MHz/ 4 channel

IEEE 802.11n(40M): 5250MHz ~5350 MHz/ 2 channel

IEEE 802.11a/n(20M): 5470MHz ~5725 MHz/ 11 channel

IEEE 802.11n (40M): 5470MHz ~5725 MHz/ 5 channel

WiFi(5.8G): IEEE 802.11a/n(20M): 5725MHz ~5850MHz/ 5 channel

IEEE 802.11n(40M): 5725MHz ~5850MHz/ 2 channel

Transmit Power Range(s):

Bluetooth: 6.83dBm

WiFi (2.4G): 17.27dBm

WiFi(5G):17.95dBm

WiFi(5.8G): 13.9dBm

Modulation Type(s):

Bluetooth: GFSK

WiFi (2.4G): DSSS, OFDM

WiFi(5G): OFDM

WiFi(5.8G): OFDM

Antenna type(s): Internal antenna

Technical Construction File (TCF) Details

To demonstrate conformity with Article 3.1(a) Health

Applied Standards

EN IEC 62311:2020

EN 50665:2017

Report or Certificate No.

Issue Date

Issued by

CTB240828076RHX

08/28/2024

Shenzhen CTB Testing Technology Co., Ltd.

To demonstrate conformity with Article 3.1(a) Safety

Applied Standards

EN IEC 62368-1:2020+A11:2020

Report or Certificate No.

Issue Date

Issued by

CTB240705028RSX

07/05/2024

Shenzhen CTB Testing Technology Co., Ltd.

To demonstrate conformity with Article 3.1(b) EMC

Applied Standards

ETSI EN 301 489-1 V2.2.3 (2019-11)

ETSI EN 301 489-17 V3.2.4 (2020-09)

ETSI EN 301 489-3 V2.3.2 (2023-01)

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CTB240828078REX

08/28/2024

Shenzhen CTB Testing Technology Co., Ltd.

To demonstrate conformity with Article 3.2 Spectrum Efficiency

Applied Standards

ETSI EN 300 328 V2.2.2 (2019-07)

ETSI EN 301 893 V2.1.1 (2017-05)

ETSI EN 300 440 V2.2.1 (2018-07)

Report or Certificate No.

Issue Date

Issued by

CTB230923052RFX

08/28/2024

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