



CERTIFICATE *of* COMPLIANCE



Certificate Validation

CERTIFICATE OF COMPLIANCE

R210-193064 / 26 Jul 2022 / Rev A

for Radio Equipment in JAPAN

MiCOM Labs Inc. declares, on the basis of the assessment of the tests and the technical documentation provided by the applicant that the following product complies with the requirements of the above noted regulator.

Product Name:

Wi-Fi + BT SoC Module

Approval Holder Name:

Shenzhen Ai-Thinker Technology Co., Ltd



Gordon Hurst, Product Certifier

This Certificate is Issued under the Authority of:

MiCOM Labs Inc., 575 Boulder Court, Pleasanton, California 94566, USA

Registered Certification Body ID Number: 210



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Product Name:

Wi-Fi + BT SoC Module

Product Model Numbers: **BW16**

Brand Name:  安信可科技
Ai-Thinker

Approval Holder: **Shenzhen Ai-Thinker Technology Co., Ltd**, 410,Block C, Huafeng Smart Innovation Port.Gushu 2nd Road,Gushu Community,Xixiang Street,Baoan District, Shenzhen, China

Test Lab: **Shenzhen CTB Testing Technology Co., Ltd**, Floor 1&2, Building A, No. 26 of Xinhe Road, Xinqiao Street, Baoan District, Shenzhen, China

Standards

Group

Article 2 paragraph 1 item (19)

Article 2 paragraph 1 item (19)-3

Description of Apparatus

Company Name

Shenzhen Ai-Thinker Technology Co., Ltd

Certification No.

R210-193064

Issue Date / Rev

26 Jul 2022 / Rev A

Equipment Description

Wi-Fi + BT SoC Module

Hardware Version

V1.0

Firmware Version

V1.0

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
Bluetooth BLE	2402MHz	2480MHz	26M0F1D	2mW	Conducted	--	--	--
802.11b	2412MHz	2472MHz	20M0G1D	--	--	--	--	4.5mW/MHz
802.11g	2412MHz	2472MHz	20M0D1D	--	--	--	--	3.5mW/MHz
802.11n20	2412MHz	2472MHz	20M0D1D	--	--	--	--	3.5mW/MHz
802.11n40	2422MHz	2462MHz	40M0D1D	--	--	--	--	3mW/MHz
802.11a	5180MHz	5240MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n (VHT20)	5180MHz	5240MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n(HT40)	5190MHz	5230MHz	40M0D1D	--	--	--	--	2mW/MHz
802.11a	5260MHz	5320MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n (VHT20)	5260MHz	5320MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n(HT40)	5270MHz	5310MHz	40M0D1D	--	--	--	--	2mW/MHz
802.11a	5500MHz	5720MHz	20M0D1D	--	--	--	--	4mW/MHz



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Emission Information - Continued

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
802.11n (VHT20)	5500MHz	5720MHz	20M0D1D	--	--	--	--	4mW/MHz
802.11n(HT40)	5510MHz	5710MHz	40M0D1D	--	--	--	--	2mW/MHz

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
PCB antenna	ZHONGSHAN B&T TECHNOLOGY Co., Ltd		4.2dBi	5150-5725MHz
PCB antenna	ZHONGSHAN B&T TECHNOLOGY Co., Ltd		4.2dBi	2412-2472MHz
PCB antenna	ZHONGSHAN B&T TECHNOLOGY Co., Ltd		4.2dBi	2402-2480MHz

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):

Article 2 paragraph 1 item (19):

CTB220705002RFX

CTB220705004RFX

Article 2 paragraph 1 item (19)-3:

CTB220705003RFX

Supporting Documentation:

Service Agreement

Agent Authorization

ISO 9001 Cert and/or Japan Product Quality

Japan Application

Japan Radio Protection Declaration

Antenna Specifications

Block Diagram

BOM or Parts List

External Photographs (MIC Reported)

Internal Photographs (MIC Reported)

Label and its Location

Operational Description

PCB Layout

Schematics

Test Setup - Japan

User Manual

**CERTIFICATE OF COMPLIANCE****R210-193064 / 26 Jul 2022 / Rev A****for Radio Equipment in JAPAN****Type Marking**

The validity of this Certificate is limited to products, which are equal to the one examined in the type - examination.

- When the manufacturer(or holder of this certificate) is placing the product on the Japanese market, the product must be affixed with the following Specified Radio Equipment marking:

