



# CERTIFICATE *of* COMPLIANCE

## CERTIFICATE OF COMPLIANCE

**R210-133697 / 25 Sep 2019 / 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:  
**WIFI 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

Product Name:

**WIFI module**

Product Model Numbers: **ESP-12F**

**Approval Holder:** **Shenzhen Ai-Thinker Technology Co., Ltd**, Room 701, building B, huafeng industrial park, hangkong road, sanwei community, hangcheng 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)

### Description of Apparatus

Company Name  
**Shenzhen Ai-Thinker Technology Co., Ltd**

Certification No.  
**R210-133697**

Issue Date / Rev  
**25 Sep 2019 / Rev A**

Equipment Description  
**WIFI module**

Hardware Version  
**V 1.0**

Firmware Version  
**V 1.0**

### Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@ Dist.	
802.11 b	2412MHz	2472MHz	11M1G1D	--	--	--	--	8mW/MHz
802.11 g	2412MHz	2472MHz	16M9D1D	--	--	--	--	6mW/MHz
802.11 n(HT20)	2412MHz	2472MHz	18M0D1D	--	--	--	--	4mW/MHz

### Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
PCB	ZHUHAI JIELI TECHNOLOGY CO.,LTD	2.4G ANT	-0.58	2400-2500

**Technical Construction File Details: (Documents Reviewed)****Technical Report(s):**

Article 2 paragraph 1 item (19):  
CTB190917025RFX

**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  
Internal Photographs  
Label and its Location  
Operational Description  
PCB Layout  
Schematics  
Test Setup - Japan  
User Manual

**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:

