CERTIFICATE *of* COMPLIANCE

Certificate Validation

CERTIFICATE OF COMPLIANCE

R210-174434 / ***6 Sep 2022*** / **Rev B**

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:
WM1302 LoRaWAN Gateway Module(SPI) – AS923

Approval Holder Name:
Seeed Technology Co., Ltd.

MiCOM Labs, Inc. INCORPORATED JAN. 25, 2002 CALIFORNIA

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

Doc - Cert v2.4q

CERTIFICATE OF COMPLIANCE

***R210-174434* / *6 Sep 2022* / Rev B**

for Radio Equipment in JAPAN

Product Name:

WM1302 LoRaWAN Gateway Module(SPI) – AS923

Product Model Numbers: **WM1302-SPI-AS923**

Brand Name: **Seeed Studio**

Approval Holder: **Seeed Technology Co., Ltd.**, 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C

Test Lab: **Shenzhen Anbotek Compliance Laboratory Limited**, 1/F,Building D,Sogood Science and Technology Park,Sanwei community,Hangcheng Street,Bao'an District, Shenzhen, China

Standards

Group
Article 2 paragraph 1 item (8)

Description of Apparatus

Company Name	**Seeed Technology Co., Ltd.**
Certification No.	**R210-174434**
Issue Date / Rev	**6 Sep 2022 / Rev B**
Equipment Description	**WM1302 LoRaWAN Gateway Module(SPI) – AS923**
Brand Name	**Seeed Studio**
Hardware Version	**v1.0**
Firmware Version	**v0.2.6**

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
LoRa	920.6MHz	928.0MHz	178KF1D	9.7mW	Conducted	--	--	--

MiCOM Labs

CERTIFICATE OF COMPLIANCE

***R210-174434* / *6 Sep 2022* / Rev B**

for Radio Equipment in JAPAN

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
Cylindrical Antenna	N/A	N/A	2.6	902~928
Sucker Antenna	N/A	N/A	3	902~928

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):
Article 2 paragraph 1 item (8):
18220WC20171701

Supporting Documentation:
Service Agreement
Agent Authorization
ISO 9001 Cert and/or Japan Product Quality
Japan Application
Japan Radio Protection Declaration
External Photographs (MIC Reported)
Internal Photographs (MIC Reported)
Label and its Location
Operational Description
Original Certificate
PCB Layout
Schematics
Test Setup - 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:

R 210-174434

Doc - Cert v2.4q

CERTIFICATE *of* COMPLIANCE

Certificate Validation

CERTIFICATE OF COMPLIANCE

R210-174302 / ***9 Dec 2021*** / **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:
MT7628N WiFi Module

Approval Holder Name:
Seeed Technology Co., Ltd.

MiCOM Labs, Inc. INCORPORATED JAN. 25, 2002 CALIFORNIA

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

Doc - Cert v2.3q

QOSPYGGNVRQZHTVYOPKOZIRPSSRGKSQX

Product Name:

MT7628N WiFi Module

Product Model Numbers: **WM7628N-A**

Brand Name: **Seeed Studio**

Approval Holder: **Seeed Technology Co., Ltd.**, 9F, G3 Building, TCL International E City, Zhongshanyuan Road, Nanshan District, Shenzhen, Guangdong Province, P.R.C

Test Lab: **Shenzhen Anbotek Compliance Laboratory Limited**, 1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, China

Standards

Group
Article 2 paragraph 1 item (19)
Article 2 paragraph 1 item (19)-2

Description of Apparatus

Company Name	**Seeed Technology Co., Ltd.**
Certification No.	**R210-174302**
Issue Date / Rev	**9 Dec 2021 / Rev A**
Equipment Description	**MT7628N WiFi Module**
Brand Name	**Seeed Studio**
Hardware Version	**V1.0**
Firmware Version	**V1.00**

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
802.11b	2412MHz	2472MHz	14M2G1D	--	--	--	--	10mW/MHz
802.11g	2412MHz	2472MHz	16M6D1D	--	--	--	--	10mW/MHz
802.11n20	2412MHz	2472MHz	17M7D1D	--	--	--	--	10mW/MHz
802.11n40	2412MHz	2472MHz	35M9D1D	--	--	--	--	5mW/MHz
802.11b	2484MHz	2484MHz	20M9G1D	--	--	--	--	10mW/MHz

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
Cylindrical antenna	SHEN ZHEN Hi-LinK ELECTRICAL CO, LTD	2.4GHz 6DBI Antenna	6	2400-2500
PCB antenna	N/A	2.4GHz 3DBI Antenna	3	2400-2500

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):
Article 2 paragraph 1 item (19):
18220WC10160502
Article 2 paragraph 1 item (19)-2:
18220WC10160501

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

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:

R 210-174302