



CERTIFICATE *of* COMPLIANCE



[Certificate Validation](#)

CERTIFICATE OF COMPLIANCE

R210-248633 / 24 Feb 2025 / 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:
4G Module

Approval Holder Name:
Shanghai AirM2M Communication 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



CERTIFICATE OF

R210-248633 / 24 Feb 2025 / Rev A

for Radio Equipment in JAPAN

Product Name:

4G Module

Product Model Numbers: **Air780E, LuatOS**

Brand Name: **Luat**

Approval Holder: Shanghai AirM2M Communication Technology Co., Ltd., Room 611, 6th Floor, No. 100 Xiuyan Road, Pudong New Area, Shanghai, China

Test Lab: SHENZHEN STS TEST SERVICES CO.,LTD., 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Baoan District, Shenzhen, Guangdong, China

Standards

Group

Article 2 paragraph 1 item (11)-19

Article 2 paragraph 1 item (54)

Description of Apparatus

Company Name
Shanghai AirM2M Communication Technology Co., Ltd.

Certification No.
R210-248633

Issue Date / Rev
24 Feb 2025 / Rev A

Equipment Description
4G Module with LTE

Brand Name
Luat

Hardware Version
A11

Firmware Version
AirM2M_780EEJ_V2015_LTE_AT_VSIM

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
LTE FDD Band 1	1924.7MHz	1980MHz	18M1G7D	186.21mW	Conducted	--	--	--
LTE FDD Band 1	1924.7MHz	1980MHz	4M54W7D	186.21mW	Conducted	--	--	--
LTE FDD Band 3	1710MHz	1785MHz	18M0G7D	186.21mW	Conducted	--	--	--
LTE FDD Band 3	1710MHz	1785MHz	4M52W7D	186.21mW	Conducted	--	--	--
LTE FDD Band 8	900MHz	915MHz	9M03G7D	158.49mW	Conducted	--	--	--
LTE FDD Band 8	900MHz	915MHz	4M53W7D	158.49mW	Conducted	--	--	--
LTE FDD Band 18	815MHz	830MHz	13M5G7D	173.78mW	Conducted	--	--	--
LTE FDD Band 18	815MHz	830MHz	4M53W7D	173.78mW	Conducted	--	--	--
LTE FDD Band 19	830MHz	845MHz	13M5G7D	162.18mW	Conducted	--	--	--
LTE FDD Band 19	830MHz	845MHz	4M54W7D	162.18mW	Conducted	--	--	--



CERTIFICATE OF

R210-248633 / 24 Feb 2025 / Rev A

for Radio Equipment in JAPAN

Emission Information - Continued

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
LTE FDD Band 26	815MHz	845MHz	13M6G7D	177.83mW	Conducted	--	--	--
LTE FDD Band 26	815MHz	845MHz	4M54W7D	177.83mW	Conducted	--	--	--
LTE FDD Band 28	718MHz	748MHz	18M0G7D	177.83mW	Conducted	--	--	--
LTE FDD Band 28	718MHz	748MHz	4M54W7D	177.83mW	Conducted	--	--	--
LTE TDD Band 41	2545MHz	2655MHz	18M0G7D	158.49mW	Conducted	--	--	--
LTE TDD Band 41	2545MHz	2655MHz	4M54W7D	158.49mW	Conducted	--	--	--

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
External Antenna	Shanghai Moya Electronic Technology Co.,Lt	MO-LT01	LTE Band1:2.19 dBi LTE Band3:2.08 dBi LTE Band8:0.78 dBi LTE Band18:0.65 dBi LTE Band19:0.78 dBi LTE Band26:0.71 dBi LTE Band28:0.66 dBi LTE Band41:2.79 dBi	LTE B1: 1924.7-1980 MHz;B3: 1710 – 1785 MHz;B8: 900 – 915 MHz;B18: 815-830 MHz;B19: 830-845 MHz;B26: 815-845 MHz;B28: 718-748MHz;B41: 2545-2655 MHz

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):

Article 2 paragraph 1 item (11)-19:

STS2501031W02

Article 2 paragraph 1 item (54):

STS2501031W02

Supporting Documentation:

Service Agreement

Letter of 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:

