



CERTIFICATE *of* COMPLIANCE

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R210-128924 / 12 Apr 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:

ART7 AsteraBox (Light Controller)

Approval Holder Name:

Astera Manufacturing Limited



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:

ART7 AsteraBox (Light Controller)

 Product Model Numbers: **ART7-U**

 Brand Name: **ASTERA**

Approval Holder: **Astera Manufacturing Limited**, Rm. 201, Huazhong Industrial Park, No.12 South Huancheng Road, Bantian Street, Longgang District, 518129 Shenzhen, Guangdong China

Test Lab: **Global United Technology Services Co., Ltd.**, No. 301-309, 3/F., Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China

Standards
Group

Article 2 paragraph 1 item (19)

Article 2 paragraph 1 item (8)

Description of Apparatus

Company Name

Astera Manufacturing Limited

Certification No.

R210-128924

Issue Date / Rev

12 Apr 2019 / Rev A

Equipment Description

ART7 AsteraBox (Light Controller)

Brand Name

ASTERA

Hardware Version

CT4-42VX

Firmware Version

5.7.XX
Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
Bluetooth(BDR)	2402MHz	2480MHz	78M6F1D	--	--	--	--	0.008mW/MHz
Bluetooth(EDR)	2402MHz	2480MHz	78M7G1D	--	--	--	--	0.008mW/MHz
Bluetooth(EDR)	2402MHz	2480MHz	78M7G1D	--	--	--	--	0.008mW/MHz
Bluetooth(BLE)	2402MHz	2480MHz	1M81F1D	0.5mW	Conducted	--	--	--
SRD	2402MHz	2480MHz	78M7F1D	--	--	--	--	0.05mW/MHz
SRD	922.8MHz	926.4MHz	104KF1D	2mW	Conducted	--	--	--

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
Chip antenna	Microchip Technology Incorporated	BM77SPPS3MC2-000AAA	2.0	2400-2500
External antenna	Shenzhen Norminson Technology CO., LTD.	NG046-UHF-150L	2.0	917-928
External antenna	Shenzhen Norminson Technology CO., LTD.	NG046-2.4G-150L	2.0	2400-2500

Technical Construction File Details: (Documents Reviewed)

Technical Report(s):

Article 2 paragraph 1 item (19):

Article 2 paragraph 1 item (8):

GTS201811000163M01

GTS201811000163M02

GTS201811000163M03

GTS201811000163M04

Supporting Documentation:

Service Agreement

Agent Authorization

Japan Application

Japan Product Quality

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:

