



CERTIFICATE *of* COMPLIANCE

CERTIFICATE OF COMPLIANCE

R210-184070 / 19 Dec 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:

Portenta H7

Approval Holder Name:

Arduino S.r.l.




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

R210-184070 / 19 Dec 2022 / Rev A

for Radio Equipment in JAPAN

Product Name:

Portenta H7

Product Model Numbers: **ABX00042**

Brand Name: **Arduino**

Approval Holder: **Arduino S.r.l.**, Via Andrea Appiani,25 20900, MONZA, Italy

Test Lab: **Shenzhen Huatongwei International Inspection Co., Ltd.**, 1/F, Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

Standards

Group

Article 2 paragraph 1 item (19)

Description of Apparatus

Company Name	Arduino S.r.l.
Certification No.	R210-184070
Issue Date / Rev	19 Dec 2022 / Rev A
Equipment Description	Portenta H7
Brand Name	Arduino
Hardware Version	4.0
Firmware Version	1.3.0

Emission Information

Technology	Frequency Range		Emission Designator	RF Power		Field Strength		Antenna Power
	From	To		Max.	Type	dBuV/m	@Dist.	
Bluetooth LE	2402MHz	2480MHz	26M0F1D	4.00mW	Conducted	--	--	--
Bluetooth BDR	2402MHz	2480MHz	83M5F1D	--	--	--	--	0.25mW/MHz
Bluetooth EDR	2402MHz	2480MHz	83M5G1D	--	--	--	--	0.20mW/MHz
802.11b	2412MHz	2472MHz	26M0G1D	--	--	--	--	3.50mW/MHz
802.11g	2412MHz	2472MHz	26M0D1D	--	--	--	--	0.30mW/MHz
802.11n(HT20)	2412MHz	2472MHz	26M0D1D	--	--	--	--	0.30mW/MHz

Antennas

Antenna Type	Manufacturer	Model/Part No.	Gain (dBi)	Frequency Range (MHz)
external omnidirectional monopole antenna	Molex, LLC	WiFi 6E Flex Cabled Side-fed Antenna	3.6dBi	2400-2500MHz

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

Article 2 paragraph 1 item (19):
 CHTEW22110147
 CHTEW22110146
 CHTEW22110148

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:

