

EU-Type Examination Certificate

Certificate No.: 1622 - RED - 230290

In compliance with Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of radio equipment, this certificate applies to the product(s)

Product: AFX series
Model: AFX00002

Placed on the market under the name or trade mark of

Arduino S.r.l.
Via Andrea Appiani 25, 20900, MONZA (Italy)

This certificate attest that all provisions concerning the assessment and verification of performance described in the standard(s)

Article 3.1a):	EN IEC 62311:2020 Safety not assessed
Article 3.1b):	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4
Article 3.2):	ETSI EN 300 328 V2.2.2

as per Annex III (Module B) for the performance set out in this certificate, are applied.

Certificate revision: 1.0
TCF No.: CER187683

For NEMKO (Notified Body 1622)

Authorized Signatory



Jin Xu, Senior Technical Assessor

Valid from 6 / 12 / 2023

Day / Month / Year

This certificate has been granted by Nemko North America, Inc. 303 River Road, Ottawa, Ontario, K1V 1H2, Canada

This certificate remains valid, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Nemko. Should the specified regulations or standards be amended, the products are to be re-approved prior to being placed on the market. Nemko North America, Inc. is an SCC-accredited organisation.

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ANNEX 1 – PRODUCT SPECIFICATIONS

PRODUCT DESCRIPTION

Equipment type:	IEEE 802.11 b/g/n and Bluetooth
Model/type:	AFX00002
Brand/trade name:	Arduino
Supply voltage:	DC 12-24V
Rated power:	-
Hardware version:	1.0
Software version:	3.5

TECHNICAL CHARACTERISTICS

Transmitter type:	-
Intended purpose:	Wideband transmission systems
Frequency range:	WiFi: 2412 – 2472 MHz Bluetooth: 2402 – 2480 MHz
Transmit power:	WiFi: 5.42 dBm (EIRP) Bluetooth: 2.41 dBm (EIRP)
Modulation type:	WiFi: DBPSK, DQPSK, BPSK, QPSK, 16QAM, 64QAM Bluetooth: GFSK, $\pi/4$ QPSK, 8DPSK
Maximum duty cycle:	-
Number of channels:	-
Channel separation:	-
Antenna type:	PCB Antenna
Maximum antenna gain:	-4.96 dBi

MANUFACTURER

Name:	Arduino S.r.l.
Address:	Via Andrea Appiani 25, 20900, MONZA (Italy)

ADDITIONAL INFORMATION

None.

ANNEX 2 - SCHEDULE OF APPROVAL

ASSESSED STANDARDS

- Protection of Health and Safety, according to Article 3(1)(a).
Standards: EN IEC 62311:2020
Safety not assessed
- Electromagnetic Compatibility (EMC), according to Article 3(1)(b).
Standards: ETSI EN 301 489-1 V2.2.3
ETSI EN 301 489-17 V3.2.4
- Radio Spectrum Use, according to Article 3(2).
Standards: ETSI EN 300 328 V2.2.2
- Special Radio Features, according to Article 3(3)(a)-(f).
Standards: N/A

APPLICATIONS/LIMITATIONS

None.

MARKING OF PRODUCT

The Manufacturer and Type Designation shall be applied to the product in a visible location.
The equipment shall carry the CE marking of the European Union.

TYPE EXAMINATION DOCUMENTATION

Test report(s)

- Health test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW2304001204, Issued: 2023-04-10
- EMC test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW2304001203, Issued: 2023-04-10
- Radio test report by Shenzhen Huatongwei International Inspection Co., Ltd.
Test Report Number: CHTEW23040012, CHTEW2304001201, CHTEW2304001202, Issued: 2023-04-10

Additional documentation

- Radio Equipment Directive technical file by Arduino S.r.l.

ADDITIONAL INFORMATION

None.

<< End of certificate >>