

EU-Type Examination Certificate

Certificate No.: 1622 - RED - 240435

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: Zigbee Bridge
Model: ZBBridge-U

Placed on the market under the name or trade mark of

Shenzhen Sonoff Technologies Co., Ltd.
3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China

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

Article 3.1a):	EN 62368-1:2014+A11:2017 EN IEC 62311:2020
Article 3.1b):	ETSI EN 301 489-1 V2.2.3 ETSI EN 301 489-17 V3.2.4 EN 55032:2015+A1:2020+A11:2020 EN 55035:2017+A11:2020 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022
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.: CER196697

For NEMKO (Notified Body 1622)

Authorized Signatory



Kevin Ma, Senior Technical Assessor

Valid from 9 / 5 / 2024

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:	Gateway
Model/type:	ZBBridge-U
Brand/trade name:	 , Sonoff
Supply voltage:	DC 5V
Rated power:	-
Hardware version:	V1.2
Software version:	V1.0.0

TECHNICAL CHARACTERISTICS

Transmitter type:	-
Intended purpose:	Wideband transmission
Frequency range:	Zigbee: 2405-2480 MHz Bluetooth LE: 2402-2480 MHz WLAN: 2412-2472 MHz
Transmit power:	Zigbee: 9.45 dBm (EIRP) Bluetooth LE: -2.63 dBm (EIRP) WLAN: 16.44 dBm (EIRP)
Modulation type:	Zigbee: OQPSK Bluetooth LE: GFSK WLAN: DSSS, OFDM
Maximum duty cycle:	-
Number of channels:	-
Channel separation:	Zigbee: 5 MHz Bluetooth LE: 2MHz WLAN: 5 MHz
Antenna type:	SUS Antenna
Maximum antenna gain:	Zigbee: 3.82 dBi BLE: 1.73 dBi, 2.5 dBi WLAN: 2.5 dBi

MANUFACTURER

Name:	Shenzhen Sonoff Technologies Co., Ltd.
Address:	3F & 6F, Bldg A, No. 663, Bulong Rd, Shenzhen, Guangdong, China

ADDITIONAL INFORMATION

None.

ANNEX 2 - SCHEDULE OF APPROVAL

ASSESSED STANDARDS

- Protection of Health and Safety, according to Article 3(1)(a).
Standards: EN 62368-1:2014+A11:2017
EN IEC 62311:2020
- 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,
EN 55032:2015+A1:2020+A11:2020, EN 55035:2017+A11:2020,
EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022
- 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)

- Safety test report by CTC Laboratories, Inc.
Test Report Number: CTC20240361S01, Issued: 2024-04-28
- Health test report by CTC Laboratories, Inc.
Test Report Number: CTC20240361E06, Issued: 2024-04-28
- EMC test report by CTC Laboratories, Inc.
Test Report Number: CTC20240361E01, Issued: 2024-04-28
- Radio test report by CTC Laboratories, Inc.
Test Report Number: CTC20240361E02, Issued: 2024-04-28
Test Report Number: CTC20240361E03, Issued: 2024-04-28
Test Report Number: CTC20240361E04, Issued: 2024-04-28
Test Report Number: CTC20240361E05, Issued: 2024-04-28

Additional documentation

- Radio Equipment Directive technical file by Shenzhen Sonoff Technologies Co., Ltd.

ADDITIONAL INFORMATION

None.

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