

EU-Type Examination Certificate

according to Annex III of the Radio Equipment Directive 2014/53/EU

Eurofins Product Service GmbH

EU Identification Number **0681**



Bundesnetzagentur

BNetzA-bS-02/51-53

Registration Number:	K7M22005-0027-V01
Manufacturer:	Shenzhen Sonoff Technologies Co., Ltd. 1001, BLDG8, Lianhua Industrial Park, Shenzhen, GD, China
Type / Model name:	RF Bridge N/A
Batch / serial number:	-/-
Brand Name:	SONOFF
Product Description:	433MHz RF Bridge

Verification of the technical design of the radio equipment according to the following essential requirements set out in article 3 of the RED 2014/53/EU:

Article 3.1 a	compliant
Article 3.1 b	compliant
Article 3.2	compliant
Article 3.3 a	not applicable
Article 3.3 b	not applicable
Article 3.3 c	not applicable
Article 3.3 d	not applicable
Article 3.3 e	not applicable
Article 3.3 f	not applicable
Article 3.3 g	not applicable
Article 3.3 h	not applicable
Article 3.3 i	not applicable

Product Testing

Conditions of validity of this certificate are:

The type shall continuously meet the requirements drawn up in the evaluation report. This report records the activities undertaken by the Notified Body in accordance with the examination of the technical documentation and supporting evidence of Annex III Module B.

The manufacturer is according to Annex III Module C obliged to take all measures necessary to ensure that the manufacturing process and its monitoring guarantee the conformity of the radio equipment with the approved type described in the EU-type examination certificate and with the requirements of this directive that apply to it.

The manufacturer shall affix the CE marking to each item of radio equipment that is in conformity with the type described in the EU-type examination certificate and meets the applicable requirements of the directive in accordance with articles 19 and 20.

The manufacturer shall fill out a written EU declaration of conformity for each radio equipment type and keep it/them at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU Declaration of Conformity (DoC) shall identify the radio equipment type for which it has been drawn up. A copy of the EU Declaration of Conformity (DoC) shall be made available to the relevant authorities upon request.

The Notified Body 0681 will monitor the regulations during the validity period of the certificate and inform the manufacturer if there are any relevant changes in the regulations that require a re-evaluation of the type. The manufacturer is obliged to inform the Notified Body if there are any modifications to the type which can influence the compliance with the essential requirements laid down in Article 3 of the RED 2014/53/EU.

If, after the expiry date, the product continues to comply with the essential requirements, the manufacturer may request an extension based on the existing documentation. Otherwise, this Type Examination Certificate becomes invalid at the expiry date.

Conclusion of the EU-Type examination:

Herewith, we attest that the designated type above is in compliance with the essential requirements of the Radio Equipment Directive 2014/53/EU.

This Type Examination Certificate is valid until: 2025-05-18

Reichenwalde, 2020-05-19

Place, Date of Issue



Signed by Jörg Kusig
Notified Body 0681

Annex 1 : References and Technical Specification

Revision: Initial Revision
Date of evaluation: 2020-05-19
Registration Number: K7M22005-0027-V01
Manufacturer: Shenzhen Sonoff Technologies Co., Ltd.
1001, BLDG8, Lianhua Industrial Park, Shenzhen, GD, China
Type / Model name: RF Bridge
Batch / serial number: -/
Brand Name: SONOFF
Product Description: 433MHz RF Bridge
Hardware Version: 433RFBIDGE R2 V1.0
Software Version: FWRF-BG85-BRIDGE-8285-V2.7.0

Reference for system evaluation of the essential requirements RED 2014/53/EU Article 3

3.1 a	Electrical Safety	EN 62368-1:2014 EN 62368-1:2014/A11:2017
3.1 a	Health	EN 62311:2008
3.1 b	EMC	EN 301 489-1 V2.2.3 2019-11 EN 301 489-17 V3.1.1 2017-02 EN 301 489-3 V2.1.1 2019-03 EN 55032:2015+AC:2016-07 EN 55035:2017
3.2	RF Radio Spectrum Efficiency	EN 300 220-2 V3.1.1 2017-02 EN 300 328 V2.2.2 2019-07 EN 300 220-1 V3.1.1 2017-02
3.3 a	Interworking with Accessories	Not applicable
3.3 b	Interworking via Network	Not applicable
3.3 c	Connection to Interfaces	Not applicable
3.3 d	No Harm to Network	Not applicable
3.3 e	Privacy of the User	Not applicable
3.3 f	Protection from Fraud	Not applicable
3.3 g	Access to Emergency Service	Not applicable
3.3 h	Users with Disability	Not applicable
3.3 i	Software Protection	Not applicable

Submitted technical documentation

Reference to RED	Document type	Reference of submitted document
Annex III 3(a) Annex III 6, A, Annex VI 2	Application Form I	
Annex III (3b)	Authorization PoA	POA RED, dated 2020-05-12
Articles 10(7), 19, 20; Annex V (a)(i) Articles 10(2), 10(10) geographical restriction	ID Label Sample	Label Sample, 433MHz RF Bridge / RF Bridge

Articles 10(7), 19, 20; Annex V (a)(i) Articles 10(2), 10(10)	ID Label Location	Label location, 433MHz RF Bridge / RF Bridge
Annex V (a)(i)	External Photos	External Photos: RF Bridge, Version: V1
Annex V (a)(i)	Internal Photos	"Internal Photos: RF Bridge, Version: V1 "
Article 17(1); Annex V (c)(g)	Operational Description	Operation Description
Annex V (b)	Block Diagram	Block Diagram: RF Bridge, Version: V1
Annex V (b)	Schematics	Schematic: RF Bridge, Version: V1
Article 10(8); Annex V (a)(ii)	Users Manual	User Manual, 433MHz RF Bridge / RF Bridge
Annex V (b)	Parts List	BoM: RF Bridge, Version: V1
Annex V (b)	PCB Layout	Part Location: RF Bridge, Version: V1 PCB Layout: RF Bridge, Version: V1
Articles 10(9), 18; Annex V (e); Annex VI, VII	Manufacturer's DoC	EU-Declaration of Conformity, dated 2020-05-12
Annex III (3c)	Assessment of risk(s)	Risk assessment, dated 2020-05-12
Annex V (a)(ii); Annex VI (8)	Software /Firmware Statement	Software or Firmware Statement, dated 2020-05-12