

# CERTIFICADO DE EXAMEN UE DE TIPO

## EU-TYPE EXAMINATION CERTIFICATE



Organismo Notificado Nº 0370



No

**0370-RED-3865**

<b>EMITIDO POR / ISSUED BY</b>	LGAI TECHNOLOGICAL CENTER - No. 0370 (APPLUS)	
<b>SOLICITANTE / APPLICANT</b>	<b>Shenzhen Sonoff Technologies Co.,Ltd.</b>	
<b>FABRICANTE (Nombre, Dirección) / MANUFACTURER (Name, Address)</b>	<b>Shenzhen Sonoff Technologies Co.,Ltd.</b> Room 1001, 10F, Building 8, Lianhua Industrial Park, Longyuan Road, Longhua District, Shenzhen, GD, China	
<b>COMERCIALIZADO POR (marca) / COMMERCIALISED BY (Brand)</b>		
<b>PRODUCTO / PRODUCT</b>	<b>4-gang Wi-Fi Smart Switch with RF Control</b>	
<b>TIPOS / TYPES</b>	4CHPROR3	
<b>Versión HW / FMW / HW / FMW version</b>	SW: FWSWES-0485-SWITCHES-8285-DOUT-v3.3.0 HW: Sonoff_4CH_PRO_R3 V1.0	
<b>DIRECTIVA APLICABLE / APPLICABLE DIRECTIVE</b>	<b>DIRECTIVA 2014/53/UE DEL PARLAMENTO EUROPEO Y DEL CONSEJO, DE 16 DE ABRIL DE 2014, RELATIVA A LA ARMONIZACIÓN DE LAS LEGISLACIONES DE LOS ESTADOS MIEMBROS SOBRE LA COMERCIALIZACIÓN DE EQUIPOS RADIOELÉCTRICOS</b> <i>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</i>	
<b>DESCRIPCIÓN / DESCRIPTION</b>	<b>The device is a 4-gang Wi-Fi Smart Switch with RF Control with WIFI 2.4G.</b>	
<b>CUMPLE CON LOS REQUISITOS ESENCIALES / MEET ESSENTIAL REQUIREMENTS</b>	Art.3.1a Salud y Seguridad / <i>Art.3.1a Health &amp; Safety</i> <input checked="" type="checkbox"/>	Art. 3.2 Uso eficiente del espectro radioeléctrico / <i>Art.3.2 Efficient use of Radio spectrum</i> <input checked="" type="checkbox"/>
	Art.3.1b EMC / <i>Art.3.1b EMC</i> <input checked="" type="checkbox"/>	Art 3.3 Características especiales / <i>Art.3.3 Special characteristics</i> <input type="checkbox"/>

Este documento carece de validez sin su anexo, cuyo número coincide con el del presente certificado. // *This document is not valid without its technical annex, whose number coincides with the number of the certificate.*

La evaluación de la documentación técnica entregada se encuentran recogidos en el expediente técnico número: 20/31700132

*The evaluation of the technical documentation delivered is included in the technical file number: 20/31700132*

Restricciones (si aplican) / *Restrictions (if apply):*

Bellaterra, 15 de Enero de 2020 // *15th January 2020*



José Luis Medina  
 Director  
 Electrical & Electronics – Spain

Este Certificado es válido mientras no se produzcan cambios en el estado de la técnica que indiquen que el equipo radioeléctrico aprobado ya no puede cumplir los requisitos esenciales de la Directiva 2014/53/UE y no haya notificaciones en el tipo aprobado que puedan afectar a la conformidad con los requisitos esenciales de la Directiva 2014/53/UE  
 This Certificate is valid as long as there are no changes in the prior art indicating that the approved radio equipment can no longer meet the essential requirements of Directive 2014/53/EU and there are no notifications of the approved type that may affect the Accordance with the essential requirements of Directive 2014/53/EU

## **ANEXO TÉCNICO**

*TECHNICAL ANNEX*

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### **A. MODEL DESCRIPTION**

#### **A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:**

**Manufacturing country:** China

**Brand:** 

**Commercial designation:** 

**Country of commercialization:** European Union

**Radio service:** WIFI 2.4G.

**Application:** 4-gang Wi-Fi Smart Switch with RF Control

#### **A.1.1 TRADE VERSIONS/VARIANTS: 4CHPROR3**

#### **A.2. FEATURES: 4-gang Wi-Fi Smart Switch with RF Control**

#### **A.3. SOFTWARE VERSION(S): FSWES-0485-SWITCHES-8285-DOUT-v3.3.0**

#### **A.4. HARDWARE VERSION(S): Sonoff\_4CH\_PRO\_R3 V1.0**

#### **A.5. OTHER COMPONENTS**

- Disposable antenna YES  NO
- o Antenna gain (dBi)\* dBi;

## ANEXO TÉCNICO TECHNICAL ANNEX

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### A.6. OPERATING FREQUENCIES AND MAXIMUM POWER EMITTED BY BAND

BAND	SERVICE	OPERATIONAL FREQUENCY TX	MAX POWER*	CNAF IR	CNAF/UN-XXX
Band 1	WiFi 2.4GHz	F_min: 2412MHz F_max : 2472MHz	17.38 dBm	IR-163	UN-85

N/A: Not applicable

N/D: Not defined

\* Conducted power for mobile technologies and EIRP for other technologies.

### A.7. OTHER PARAMETERS OF RADIO INTERFACE SPECIFICATIONS (RI)

FREQUENCY BANDS	SERVICE	CHANNELLING	MODULATION/BAND OCCUPATION	DIRECTION/SEPARATION	DUTY CYCLE
Band 1	WiFi 2.4GHz	N/A	Digital	N/A	N/D

N/A: Not applicable

N/D: Not defined

Requires license/Use authorisation: YES  NO

## B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
<b>Health and Safety (Article 3.1a)</b>	EN 62368-1:2014 EN 62368-1:2014/A11:2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191106007AS
	EN 61058-1-2:2016		LCS191106005AS
	EN 62311:2008		LCS191106006AEC
<b>EMC (Article 3.1b)</b>	EN 301 489-1 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191106006AEA
	EN 301 489-17 V3.1.1		
<b>Radio Aspects (Article 3.2)</b>	EN 300 328 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191106006AEB



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### **C. RESTRICTIONS**

Restrictions YES  NO

Describe restrictions: N/A

### **D. ACTIVITIES CARRIED OUT BY THE NB**

#### **Technical Documentation Review**

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Assembly drawings(s)                   | <input checked="" type="checkbox"/> Block diagram   | <input checked="" type="checkbox"/> Circuit diagram/schematics   |
| <input checked="" type="checkbox"/> External photographs                   | <input checked="" type="checkbox"/> Label drawing/location                                    | <input checked="" type="checkbox"/> User manual                  |
| <input checked="" type="checkbox"/> Internal photographs                   | <input checked="" type="checkbox"/> Operational description                                   | <input checked="" type="checkbox"/> Risk Assessment              |
| <input checked="" type="checkbox"/> Test set-up photographs                | <input checked="" type="checkbox"/> Test reports  | <input checked="" type="checkbox"/> EU declaration of conformity |
| <input checked="" type="checkbox"/> Bill of materials                      | <input checked="" type="checkbox"/> PCB layout  |  |
| <input checked="" type="checkbox"/> Installation diagrams and explanations | <input checked="" type="checkbox"/> List of applied (harmonized and non-harmonized) standards |  |

#### **Other activities**

- RIS
- EFIS/CNAF
- Review Technical Justifications
- Analysis report
- EU type certification issued

### **E. ADDITIONAL INFORMATION:**

Radio Equipment Directive 2014/53/EU, Article 10.4: Manufacturers shall keep the technical documentation and the EU declaration of conformity for 10 years after the radio equipment has been placed on the market.

Radio Equipment Directive 2014/53/EU, Annex III, Module B.Z: The manufacturer shall inform the notified body that holds the technical documentation relating to the EU-type examination certificate of all modifications to the approved type that may affect the conformity of the radio equipment with the essential requirements of this Directive or the conditions for validity of that certificate. Such modifications shall require additional approval in the form of an addition to the original EU-type examination certificate.

This review includes draft standards, deviations from the standards and technical justification for compliance.