

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE



Organismo Notificado Nº 0370



No

0370-RED-3881

EMITIDO POR / ISSUED BY	LGAI TECHNOLOGICAL CENTER - No. 0370 (APPLUS)	
SOLICITANTE / APPLICANT	SHENZHEN SONOFF TECHNOLOGIES CO.,LTD.	
FABRICANTE (Nombre, Dirección) / MANUFACTURER (Name, Address)	SHENZHEN SONOFF TECHNOLOGIES CO.,LTD. Room 1001, 10F, Building 8, Lianhua Industrial Park, Longyuan Road, Longhua District, Shenzhen, GD, China	
COMERCIALIZADO POR (marca) / COMMERCIALISED BY (Brand)		
PRODUCTO / PRODUCT	Wi-Fi Smart Dimmer Switch	
TIPOS / TYPES	D1	
Versión HW / FMW / HW / FMW version	SW: V3.4.0 HW: V1.0.0	
DIRECTIVA APLICABLE / APPLICABLE DIRECTIVE	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 <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>	
DESCRIPCIÓN / DESCRIPTION	The device is a Wi-Fi Smart Dimmer Switch with WiFi 2.4GHz.	
CUMPLE CON LOS REQUISITOS ESENCIALES / MEET ESSENTIAL REQUIREMENTS	Art.3.1a Salud y Seguridad / <i>Art.3.1a Health & 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: 20/31700312
The evaluation of the technical documentation delivered is included in the technical file number: 20/31700312

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

Bellaterra, 20 de Febrero de 2020 // *20th February 2020*



José Luis Medina
 Director
 Electrical & Electronics - Spain

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 2.4GHz

Application: Wi-Fi Smart Dimmer Switch

A.1.1 TRADE VERSIONS/VARIANTS: D1

A.2. FEATURES: Wi-Fi Smart Dimmer Switch

A.3. SOFTWARE VERSION(S): V3.4.0

A.4. HARDWARE VERSION(S): V1.0.0

A.5. OTHER COMPONENTS

- **Disposable antenna** YES NO
 - o **Antenna gain (dBi)*:**
(* only in case of YES)

- **Battery (model, manufacturer, characteristics,..):**
 - o Manufacturer: AirSelfie Inc
 - o Model: 902042
 - o DC 3.7V, 550mAh/2.04Wh

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

BAND	SERVICE	OPERATIONAL FREQUENCY	MAX POWER*	CNAF IR	CNAF/UN-XXX
Band 1	WiFi 2.4GHz	F_min: 2412MHz F_max :2472MHz	11.52 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 authorization: YES NO

B. TEST PROTOCOL

REQUIREMENT	STANDARD	LABORATORY	Report no.
Health and Safety (Article 3.1a)	EN 62368-1: 2014 EN 62368-1:2014/A11:2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191106010AS
	EN 60669-2-1:2014 EN 60669-2-1:2014/A1:2009 EN 60669-2-1:2014/A12:2010		LCS191106002AS
	EN 62311:2008		LCS191106003AEC
	EN 301 489-1 V2.1.1 EN 301 489-17 V3.1.1		LCS191106003AEA
EMC (Article 3.1b)			
Radio Aspects (Article 3.2)	EN 300 328 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191106003AEB

C. RESTRICTIONS

Restrictions YES NO

Describe restrictions: N/A

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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 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.