



Organismo Notificado Nº 0370



No

0370-RED-3870

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE

EMITIDO POR / ISSUED BY	LGAI TECHNOLOGICAL CENTER - No. 0370 (APPLUS)	
SOLICITANTE / APPLICANT	SHENZHEN CHAINWAY INFORMATION TECHNOLOGY CO.,LTD.	
FABRICANTE (Nombre, Dirección) <i>MANUFACTURER (Name, Address)</i>	SHENZHEN CHAINWAY INFORMATION TECHNOLOGY CO.,LTD. 9/F, Building 2, Daqian Industrial Park, Longchang Rd., District 67, Bao'an, Shenzhen, China	
COMERCIALIZADO POR (marca) <i>COMMERCIALISED BY (Brand)</i>	Chainway	
PRODUCTO <i>PRODUCT</i>	UHF RFID Module	
TIPOS <i>TYPES</i>	CM2000-1	
Versión HW / FMW <i>HW / FMW version</i>	SW: V6.17 HW: V2.5	
DIRECTIVA APLICABLE <i>APPLICABLE DIRECTIVE</i>	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 <i>DESCRIPTION</i>	The device is a UHF RFID Module operating in the band 865 MHz to 868 MHz.	
CUMPLE CON LOS REQUISITOS ESENCIALES <i>MEET ESSENTIAL REQUIREMENTS</i>	Art.3.1a Salud y Seguridad / <i>Art.3.1a Health & Safety</i>	<input checked="" type="checkbox"/>
	Art.3.1b EMC / <i>Art.3.1b EMC</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 3.3 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: 20/31700267
The evaluation of the technical documentation delivered is included in the technical file number: 20/31700267

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

Bellaterra, 20 de Enero de 2020 // *20th January 2020*



José Luis Medina
Director
Electrical & Electronics – Spain

Este Certificado fue emitido por primera vez en 16 de Enero 2020 y su validez permanece 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. Se modifica a 20 de Enero 2020.
This Certificate was issued for first time on 17th January 2020 and 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. It has been modified on 20th January 2020

ANEXO TÉCNICO *TECHNICAL ANNEX*

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A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: China
Brand: Chainway
Commercial designation: Chainway
Country of commercialization: European Union
Radio service: Band 865 MHz to 868 MHz RFID
Application: UHF RFID Module

A.1.1 TRADE VERSIONS/VARIANTS: CM2000-1

A.2. FEATURES: UHF RFID Module

A.3. SOFTWARE VERSION(S): V6.17

A.4. HARDWARE VERSION(S): V2.5

A.5. OTHER COMPONENTS

- Disposable antenna YES ☒ NO ☐
 - Antenna gain (dBi): 0 dBi;

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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	RFID	F_min: 865 MHz F_max : 868 MHz	11.24 dBm	IR-96	UN-135

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	RFID	200kHz	N/A	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.
Health and Safety (Article 3.1a)	EN 62368-1:2014 EN 62368-1:2014/A11:2017	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191111083AS
	EN 62311:2008		LCS191111082AEC
EMC (Article 3.1b)	EN 301 489-1 V2.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191111082AEA
	EN 301 489-3 V2.1.1		
Radio Aspects (Article 3.2)	EN 302 208 V3.1.1	Shenzhen LCS Compliance Testing Laboratory Ltd.	LCS191111082AEB

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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.7: 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.