

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE



Organismo Notificado N° 0370



No

0370-RED-4121

EMITIDO POR / ISSUED BY	LGAI TECHNOLOGICAL CENTER - No. 0370 (APPLUS)	
SOLICITANTE / APPLICANT	SHENZHEN EVIEW GPS TECHNOLOGY Rm 201, building 1-A, Nankechuang Yuangu, Dalang, Longhua District, Shenzhen, China	
FABRICANTE (Nombre, Dirección) / MANUFACTURER (Name, Address)	SHENZHEN EVIEW GPS TECHNOLOGY Rm 201, building 1-A, Nankechuang Yuangu, Dalang, Longhua District, Shenzhen, China	
COMERCIALIZADO POR (marca) / COMMERCIALISED BY (Brand)	N/A	
PRODUCTO / PRODUCT	Personal Mobile Alarm System	
TIPOS / TYPES	EV-04	
Versión HW / FMW / HW / FMW version	SW: V04b.8601.2007 HW: EV04_MB_V2.1	
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 Personal Mobile Alarm System with Bluetooth, 2.4G WiFi, GSM, WCDMA, LTE, GPS RX and WPT.	
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: 20/36402064
The evaluation of the technical documentation delivered is included in the technical file number: 20/36402064

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

Bellaterra, 18 de septiembre de 2020 // *18th September 2020*



Applus+
 LGAI Technological Center, S.A.

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: N/A
Commercial designation: N/A
Country of commercialization: European Union
Radio service: Bluetooth, 2.4G WiFi, GSM, WCDMA, LTE, GPS RX and WPT
Application: Personal Mobile Alarm System

A.1.1 TRADE VERSIONS/VARIANTS: EV-04

A.2. FEATURES: Personal Mobile Alarm System

A.3. SOFTWARE VERSION(S): V04b.8601.2007

A.4. HARDWARE VERSION(S): EV04_MB_V2.1

A.5. OTHER COMPONENTS

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

- **Battery (model, manufacturer, characteristics,..):**
 - o Manufacturer: Dongguan Data Power Technology Limited.
 - o Model: DTP 753236
 - o 3.7Vdc, 950mAh

- **Adapter (model, manufacturer, characteristics,..):**
 - o Manufacturer: Shenzhen Rongweixin Technology Co., Ltd.
 - o Model: RWX-AA050100G
 - o Input: 100-240VAC, 50/60Hz, 0.2A
 - o Output: 5.0Vdc, 1.0A

ANEXO TÉCNICO TECHNICAL ANNEX

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- **Charging base (model, manufacturer, characteristics,..):**
 - o Manufacturer: SHENZHEN EVIEW GPS TECHNOLOGY
 - o Model: DS3
 - o Input: 5.0Vdc, 1.0A
 - o Output: 5.0Vdc, 1.0A

- **USB line (model, manufacturer, characteristics,..):**
 - o Manufacturer: SHENZHEN EVIEW GPS TECHNOLOGY
 - o Model: EV-04
 - o Length: 120cm

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

BAND	SERVICE	OPERATIONAL FREQUENCY (TX)		MAX POWER*	CNAF IR	CNAF/ UN-XXX
Band 1	Bluetooth	F_min: 2402MHz	F_max: 2480MHz	4.62 dBm	IR-163	UN-85
Band 2	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	3.75 dBm	IR-163	UN-85
Band 3	WiFi 2.4GHz	F_min: 2412MHz	F_max: 2472MHz	15.42 dBm	IR-163	UN-85
Band 4	GSM 900MHz	F_min: 880MHz	F_max: 915MHz	33.39 dBm	IR-19	UN-41
Band 5	DCS 1800MHz	F_min: 1710MHz	F_max: 1785MHz	30.65 dBm	IR-20	UN-48
Band 6	WCDMA Band 1	F_min: 1920MHz	F_max: 1980MHz	23.15 dBm	IR-21	UN-48
Band 7	WCDMA Band 8	F_min: 882.4MHz	F_max: 912.6MHz	23.67 dBm	IR-19	UN-41
Band 8	LTE Band 1	F_min: 1920MHz	F_max: 1980MH	23.33 dBm	IR-21	UN-48
Band 9	LTE Band 3	F_min: 1710MHz	F_max: 1785MHz	22.97 dBm	IR-217	UN-140
Band 10	LTE Band 7	F_min: 2500MHz	F_max: 2570MHz	23.96 dBm	IR-223	UN-52
Band 11	LTE Band 8	F_min: 880MHz	F_max: 915MHz	24.97 dBm	IR-217	UN-41
Band 12	LTE Band 20	F_min: 832MHz	F_max: 862MHz	24.31 dBm	IR-220	UN-153
Band 13	WPT	F_min: 110KHz	F_max: 119KHz	2.53dBµA/m@3m	IR-108	UN-114
Band 14	WPT	F_min: 119KHz	F_max: 135KHz	2.53dBµA/m@3m	IR-109	UN-114
Band 15	WPT	F_min: 135KHz	F_max: 148.5KHz	2.53dBµA/m@3m	IR-110	UN-114
Band 16	WPT	F_min: 148.5KHz	F_max: 200KHz	2.53dBµA/m@3m	IR-113	UN-114
Band 17	GPS Receiver	F_min: 1575.42MHz	F_max: 1575.42MHz	N/A	N/D	N/D

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)

Requires license/Use authorization: YES NO

NOTE mobile service: Class I because of mobile station.



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B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety (Article 3.1a)	EN 62368-1:2014/A11:2017	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISS200603701V01
	EN 50566:2017	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610401
	EN 62209-2:2010		CCISE200610311
	EN 50663:2017		CCISE200610313V01
	EN 62479:2010		
	EN 50364:2010		
EMC (Article 3.1b)	ETSI EN 301 489-1 V2.2.3	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610301V01
	ETSI EN 301 489-3 V2.1.1		
	Draft ETSI EN 301 489-17 V3.2.2		
	ETSI EN 301 489-19 V2.1.1		
	Draft ETSI EN 301 489-52 V1.1.0		
	EN 55032:2015	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610310
	EN 55035:2017		
EN 61000-3-2:2014			
	EN 61000-3-3:2013		
Radio Aspects (Article 3.2)	ETSI EN 300 328 V2.2.2	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610302 CCISE200610303 CCISE200610304 CCISE200610312
	ETSI EN 301 511 V12.5.1	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610305
	ETSI EN 301 908-1 V13.1.1	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610306
	ETSI EN 301 908-2 V11.1.2		CCISE200610307
	ETSI EN 301 908-13 V13.1.1		
	ETSI EN 303 413 V1.1.1	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610308
	ETSI EN 303 417 V1.1.1	Shenzhen Zhongjian Nanfang Testing Co., Ltd.	CCISE200610309

C. RESTRICTIONS

Restrictions: YES NO

Describe restrictions: N/A



ANEXO TÉCNICO *TECHNICAL ANNEX*

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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.