LGAI Technological Center, S.A. (APPLUS)
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Organismo Notificado Nº 0370

ENAC CERTIFICACIÓN Nº 12/C-PR346

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE

No. **0370-RED-4641**

EMITIDO POR / *ISSUED BY*	LGAI TECHNOLOGICAL CENTER - No. 0370 (APPLUS)	
SOLICITANTE / *APPLICANT*	**NiceRF Wireless Technology Co., Ltd.**	
FABRICANTE (Nombre, Dirección) *MANUFACTURER (Name, Address)*	**NiceRF Wireless Technology Co., Ltd.** 309-314, 3/F, Bldg A, Hongdu business building, Zone 43, Baoan Dist, Shenzhen, China	
COMERCIALIZADO POR (marca) *COMMERCIALISED BY (Brand)*	**G-NICERF**	
PRODUCTO *PRODUCT*	**LoRa Wireless Module**	
TIPOS *TYPES*	**LoRa-CC68-868**	
Versión HW / FMW *HW / FMW version*	SW: V1.0 HW: V2.0	
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** *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*	
DESCRIPCIÓN *DESCRIPTION*	**The device is a LoRa Wireless Module with SRD NRI.**	
CUMPLE CON LOS REQUISITOS ESENCIALES *MEET ESSENTIAL REQUIREMENTS*	Art.3.1a Salud y Seguridad / *Art.3.1a Health & Safety* ☒	Art. 3.2 Uso eficiente del espectro radioeléctrico / *Art.3.2 Efficient use of Radio spectrum* ☒
	Art.3.1b EMC / *Art.3.1b EMC* ☒	Art 3.3 Características especiales / *Art.3.3 Special characteristics* ☐

Este documento carece de validez sin su anexo, cuyo número coincide con el del presente certificado. // *This document in 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: 21/36402769
The evaluation of the technical documentation delivered is included in the technical file number: 21/36402769

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

Bellaterra, 20 de agosto de 2021 // *20th August 2021*

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

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ANEXO TÉCNICO
TECHNICAL ANNEX

0370-RED-4641

A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: China
Brand: G-NICERF
Commercial designation: G-NICERF
Country of commercialization: European Union
Radio service: SRD NRI
Application: LoRa Wireless Module

A.1.1 TRADE VERSIONS/VARIANTS: LoRa-CC68-868

A.2. FEATURES: LoRa Wireless Module

A.3. SOFTWARE VERSION(S): V1.0

A.4. HARDWARE VERSION(S): V2.0

A.5. OTHER COMPONENTS

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

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

BAND	SERVICE	OPERATIONAL FREQUENCY (TX)		MAX POWER*	CNAF IR	CNAF/ UN-XXX
Band 1	SRD NRI Band AA	F_min: 863.5MHz	F_max: 869.5MHz	9.63dBm	N/D	N/D
Band 2	SRD NRI Band AC	F_min: 870.5MHz	F_max: 875.5MHz	9.65dBm	N/D	N/D

N/A: Not applicable
N/D: Not defined

* Conducted power for mobile technologies and EIRP/ERP for other technologies.

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

Requires license/Use authorization: YES ☐ NO ☒

B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety (Article 3.1a)	EN 62368-1:2014+A11:2017	Shenzhen NTEK Testing Technology Co., Ltd.	S21071400403001
	EN 62479:2010		S21071400401001
EMC (Article 3.1b)	EN 301 489-1 V2.2.3	Shenzhen NTEK Testing Technology Co., Ltd.	S21071400402001
	EN 301 489-3 V2.1.1		
Radio Aspects (Article 3.2)	EN 300 220-1 V3.1.1	Shenzhen NTEK Testing Technology Co., Ltd.	S21071400401002
	EN 300 220-2 V3.2.1		

C. RESTRICTIONS

Restrictions: YES ☒ NO ☐

Describe restrictions:

1) **For Band AA: Sub-bands [868.6MHz to 868.7MHz], [869.25MHz to 869.4MHz], [869.65MHz to 869.7MHz] cannot be use for alarms system. This restriction will be applied to all Member States of European Union please see the details in user manual.**
2) **For Band AC: Use of all or part of this band may be denied in some European countries that use all or part of these sub-bands for defence/governmental systems, please see the details in user manual.**

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D. ACTIVITIES CARRIED OUT BY THE NB

Technical Documentation Review

☐ Assembly drawings(s)	☒ Block diagram	☒ Circuit diagram/schematics
☒ External photographs	☒ Label drawing/location	☒ User manual
☒ Internal photographs	☒ Operational description	☒ Risk Assessment
☒ Test set-up photographs	☒ Test reports	☒ EU declaration of conformity
☒ Bill of materials	☒ PCB layout	
☐ Installation diagrams and explanations	☒ 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.

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