LGAI Technological Center, S.A. (APPLUS)
Campus UAB - Ronda de la Font del Carme s/n
08193 Bellaterra (Barcelona)
T +34 93 567 20 00
F +34 93 567 20 01
www.applus.com

CERTIFICADO DE EXAMEN UE DE TIPO

EU-TYPE EXAMINATION CERTIFICATE

Organismo Notificado Nº 0370

ENAC CERTIFICACIÓN Nº 12/C-PR346

No **0370-RED-3709**

EMITIDO POR / *ISSUED BY*	LGAI TECHNOLOGICAL CENTER - No. 0370 (APPLUS)	
SOLICITANTE / *APPLICANT*	**Iridium Satellite LLC** 1750 Tysons Boulevard Suite 1400, McLean, VA 22102, United States	
FABRICANTE (Nombre, Dirección) *MANUFACTURER (Name, Address)*	**Beam Communications** Unit 5/8 Anzed Court, Mulgrave, Victoria, Australia 3710	
COMERCIALIZADO POR (marca) *COMMERCIALISED BY (Brand)*	**Iridium**	
PRODUCTO *PRODUCT*	**Iridium GO!**	
TIPOS *TYPES*	9560N	
Versión HW / FMW *HW / FMW version*	SW: 2.1.8 HW: 4B	
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 satellite system with WIFI 2.4G, MSS, GPS.**	
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: 19/31707484
The evaluation of the technical documentation delivered is included in the technical file number: 19/31707484
Restricciones (si aplican) / *Restrictions (if apply):*

Bellaterra, 24 de octubre de 2019 // *24th October 2019*

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

LGAI Technological Center, S.A. (APPLUS)
Campus UAB s/n – Ronda de la Font del Carme, s/n
E - 08193 Bellaterra (Barcelona)
T +34 93 567 20 00
F +34 93 567 20 01
www.appluslaboratories.com

ANEXO TÉCNICO
TECHNICAL ANNEX

0370-RED-3709

A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: Australia
Brand: Iridium
Commercial designation: Iridium
Country of commercialization: European Union
Radio service: WIFI 2.4G, MSS, GPS.
Application: satellite system

A.1.1 TRADE VERSIONS/VARIANTS: N/A

A.2. FEATURES: satellite system

A.3. SOFTWARE VERSION(S): 2.1.8

A.4. HARDWARE VERSION(S): 4B

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	WiFi 2.4GHz	F_min: 2412MHz F_max : 2472MHz	15.50 dBm	IR-163	UN-85
Band 2	MSS	F_min: 1610MHz F_max : 1626.5MHz	23.25 dBm	IR-173	UN-154
Band 3	GPS	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.

LGAI Technological Center, S.A. C.I.F A63207492

LGAI Technological Center, S.A. (APPLUS)
Campus UAB s/n – Ronda de la Font del Carme, s/n
E - 08193 Bellaterra (Barcelona)
T +34 93 567 20 00
F +34 93 567 20 01
www.appluslaboratories.com

ANEXO TÉCNICO
TECHNICAL ANNEX

0370-RED-3709

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
Band 2	MSS	N/A	N/A	N/A	N/D
Band 3	GPS	N/A	N/A	N/A	N/D

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

Requires license/Use authorisation: YES ☒ NO ☐

NOTE: Terminal device doesn't need authorization.

LGAI Technological Center, S.A. C.I.F A63207492

LGAI Technological Center, S.A. (APPLUS)
Campus UAB s/n – Ronda de la Font del Carme, s/n
E - 08193 Bellaterra (Barcelona)
T +34 93 567 20 00
F +34 93 567 20 01
www.appluslaboratories.com

ANEXO TÉCNICO
TECHNICAL ANNEX

0370-RED-3709

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 Union Trust Quality and Technology Co., Ltd	190705025SAF-1
	EN 62311:2008	Shenzhen Union Trust Quality and Technology Co., Ltd	190705022RFC-4
EMC (Article 3.1b)	EN 55032:2015 EN 55032:2015/AC:2016	Shenzhen Union Trust Quality and Technology Co., Ltd	190705022EMC-1
	EN 55035:2017		
	EN 301 489-1 V2.2.0		
	EN 301 489-17 V3.2.0		
	EN 301 489-19 V2.1.0		
	EN 301 489-20 V2.1.1		
Radio Aspects (Article 3.2)	EN 300 328 V2.1.1	Shenzhen Union Trust Quality and Technology Co., Ltd	190705022RFC-1
	EN 303 413 V1.1.1		190705022RFC-3
	EN 301 441 V2.1.1		190705022RFC-2

LGAI Technological Center, S.A. C.I.F A63207492

LGAI Technological Center, S.A. (APPLUS)
Campus UAB s/n – Ronda de la Font del Carme, s/n
E - 08193 Bellaterra (Barcelona)
T +34 93 567 20 00
F +34 93 567 20 01
www.appluslaboratories.com

ANEXO TÉCNICO
TECHNICAL ANNEX

0370-RED-3709

C. RESTRICTIONS

Restrictions YES ☐ NO ☒

Describe restrictions: N/A

D. ACTIVITIES CARRIED OUT BY THE NB

Technical Documentation Review

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

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.

LGAI Technological Center, S.A. C.I.F A63207492