

# EU-TYPE EXAMINATION CERTIFICATE

No

**0370-RED-7105**

<b>ISSUED BY</b>	LGAI Technological Center, SA – NB No. 0370 (APPLUS)	
<b>APPLICANT</b>	<b>Shenzhen eelink communication Technology Co., Ltd</b> 10A, Building B, Tongfang Information Harbor, No. 11, Langshan Rd, Nanshan District, Shenzhen, Guangdong, CHINA	
<b>MANUFACTURER (Name, Address)</b>	<b>Shenzhen eelink communication Technology Co., Ltd</b> 10A, Building B, Tongfang Information Harbor, No. 11, Langshan Rd, Nanshan District, Shenzhen, Guangdong, CHINA	
<b>COMMERCIALISED BY (Brand)</b>	N/A	
<b>PRODUCT</b>	GPS Tracker	
<b>TYPES</b>	TK419-3	
<b>HW / SW / FMW version</b>	SW: EG912UGLACR03A01M08_OCPCU_QPY HW: TK419_3_V12	
<b>APPLICABLE DIRECTIVE</b>	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	
<b>DESCRIPTION</b>	<i>The device is a GPS Tracker with GNSS, GSM and LTE.</i>	
<b>MEET ESSENTIAL REQUIREMENTS</b>	Art.3.1 (a) Health & Safety <input checked="" type="checkbox"/>	Art.3.2 Efficient use of Radio spectrum <input checked="" type="checkbox"/>
	Art.3.1 (b) EMC <input checked="" type="checkbox"/>	Art.3.3 Requirements for specific categories or classes of RED (d) <input type="checkbox"/> (e) <input type="checkbox"/> (f) <input type="checkbox"/> (g) <input type="checkbox"/>

This document is not valid without its technical annex, whose number matches with the number of this certificate.

The evaluation of the technical documentation delivered is included in the technical file number: 23/364000342.

*This Certificate is valid as long as there are no changes in the state of the 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.*

Restrictions (if applicable): N/A

Bellaterra, 29th January, 2024



Lluís Boada  
 Certification Technical Manager  
 Electrical & Electronics



You can check the validity of this certificate in our website

*The manufacturer, after the completion of the technical documentation, the conformity assessment procedures and the EU Declaration of conformity, may affix the CE Marking under his responsibility.*



## TECHNICAL ANNEX

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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	GSM 900	F_min: 880MHz F_max: 915MHz	35.00dBm	IR-19	UN-41
Band 2	DCS 1800	F_min: 1710MHz F_max: 1785MHz	32.00dBm	IR-20	UN-48
Band 3	LTE Band 1	F_min: 1920MHz F_max: 1980MHz	25.00dBm	IR-21	UN-48
Band 4	LTE Band 3	F_min: 1710MHz F_max: 1785MHz	25.00dBm	IR-217	UN-140
Band 5	LTE Band 7	F_min: 2500MHz F_max: 2570MHz	25.00dBm	IR-223	UN-52
Band 6	LTE Band 8	F_min: 880MHz F_max: 915MHz	25.00dBm	IR-217	UN-41
Band 7	LTE Band 20	F_min: 832MHz F_max: 862MHz	25.00dBm	IR-220	UN-153
Band 8	LTE Band 28 <sup>1)</sup>	F_min: 703MHz F_max: 748MHz	25.00dBm	IR-219	UN-153
Band 9	LTE Band 34	F_min: 2010MHz F_max: 2025MHz	25.00dBm	IR-21	UN-48 UN-52
Band 10	LTE Band 38	F_min: 2570MHz F_max: 2620MHz	25.00dBm	IR-221	UN-52
Band 11	LTE Band 40	F_min: 2300MHz F_max: 2400MHz	25.00dBm	N/D <sup>2)</sup>	N/D <sup>2)</sup>
Band 12	BDS B1I/B1C	F_min: 1559MHz F_max: 1610MHz	N/A	N/D	N/D
Band 13	Galileo E1	F_min: 1559MHz F_max: 1610MHz	N/A	N/D	N/D
Band 14	Galileo E5a/E5b	F_min: 1164MHz F_max: 1215MHz	N/A	N/D	N/D
Band 15	Galileo E6	F_min: 1215MHz F_max: 1300MHz	N/A	N/D	N/D
Band 16	GLONASS G1	F_min: 1559MHz F_max: 1610MHz	N/A	N/D	N/D
Band 17	GLONASS G2	F_min: 1215MHz F_max: 1300MHz	N/A	N/D	N/D
Band 18	GPS L1 C/A	F_min: 1559MHz F_max: 1610MHz	N/A	N/D	N/D
Band 19	GPS L2 C	F_min: 1215MHz F_max: 1300MHz	N/A	N/D	N/D
Band 20	GPS L5	F_min: 1164MHz F_max: 1215MHz	N/A	N/D	N/D
Band 21	QZSS	F_min: 1559MHz F_max: 1610MHz	N/A	N/D	N/D

N/A: Not applicable

N/D: Not defined

\* Rated Conducted power for mobile technologies.

- 1) LTE Band 28 is only allowed to operate from 703 MHz up to 736 MHz for the transmitter and 758 MHz to 791 MHz for the receiver;
- 2) N/D in Spain, but this band is allowed at least in one Member State (i.e. Lithuania). Defined for International Mobile Telecommunications (IMT) according to note 5.384A;

### 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.
<b>Health and Safety Article 3.1(a)</b>	IEC 62368-1:2018	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R09-2300310
	EN IEC 62368-1:2020+A11:2020		
	EN IEC 62311:2020	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R14-2300161
<b>EMC Article 3.1(b)</b>	ETSI EN 301 489-1 V2.2.3	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R01-2300562
	ETSI EN 301 489-19 V2.2.1		
	ETSI EN 301 489-52 V1.2.1		
	EN 55032:2015+A1:2020	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R01-2300561
	EN 55035:2017+A11:2020		
	EN IEC 61000-3-2:2019+A1:2021		
EN 61000-3-3:2013+A2:2021			
<b>Efficient use of Radio spectrum Article 3.2</b>	ETSI EN 301 511 V12.5.1	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R12-2301598
	ETSI EN 301 908-1 V15.2.1	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R12-2301599
	ETSI EN 301 908-13 V13.2.1		
	ETSI EN 303 413 V1.2.1	JianYan Testing Group Shenzhen Co., Ltd.	JYTSZ-R12-2301600

### C. RESTRICTIONS (IF POSITIVE)

Restrictions YES  NO

Describe restrictions: N/A

## TECHNICAL ANNEX

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### D. ACTIVITIES CARRIED OUT BY THE NB

#### Technical Documentation Review

- |   |   |  |
|---|---|--|
| <input 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.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.