

EU-TYPE EXAMINATION CERTIFICATE

No

0370-RED-6064

ISSUED BY	LGAI Technological Center, SA – NB No. 0370 (APPLUS)	
APPLICANT	TELTONIKA TELEMATICS, UAB	
MANUFACTURER (Name, Address)	TELTONIKA TELEMATICS, UAB Saltoniskiu st. 9B-1, LT-08105, Vilnius, Lithuania	
COMMERCIALISED BY (Brand)	TELTONIKA TELEMATICS	
PRODUCT	Asset Tracker Plus	
TYPES	TAT140-QJIB0	
HW / SW / FMW version	SW: FMB.Ver.55.00.16 HW: TAT140-20	
APPLICABLE DIRECTIVE	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	
DESCRIPTION	The device is an Asset Tracker Plus with Bluetooth, GSM, LTE and GNSS.	
MEET ESSENTIAL REQUIREMENTS	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 match with the number of this certificate.

The evaluation of the technical documentation delivered is included in the technical file number: 23/36400592

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, 13th April 2023

José Luis Medina
 Director
 Electrical & Electronics – Spain



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

0370-RED-6064

A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: Lithuania
Brand: TELNIKA TELEMATICS
Commercial designation: TELNIKA TELEMATICS
Country of commercialization: European Union
Radio service: Bluetooth, GSM, LTE and GNSS
Application: Asset Tracker Plus

A.1.1 TRADE VERSIONS/VARIANTS: TAT140-QJIB0

A.2. FEATURES: Asset Tracker Plus

A.3. SOFTWARE VERSION(S): FMB.Ver.55.00.16

A.4. HARDWARE VERSION(S): TAT140-20

A.5. OTHER COMPONENTS

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

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

BAND	SERVICE	Operational frequency (TX)		MAX POWER ¹⁾	CNAF IR	CNAF/UN-XXX
Band 1	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	6.60 dBm	IR-163	UN-85
Band 2	GSM 900	F_min: 880MHz	F_max: 915MHz	32.63 dBm	IR-19	UN-41
Band 3	DCS 1800	F_min: 1710MHz	F_max: 1785MHz	30.08 dBm	IR-20	UN-48
Band 4	LTE Band 1	F_min: 1920MHz	F_max: 1980MHz	23.97 dBm	IR-21	UN-48
Band 5	LTE Band 3	F_min: 1710MHz	F_max: 1785MHz	23.71 dBm	IR-217	UN-140
Band 6	LTE Band 5**	F_min: 824MHz	F_max: 849MHz	23.53 dBm	N/D	N/D
Band 7	LTE Band 7	F_min: 2500MHz	F_max: 2570MHz	24.31 dBm	IR-223	UN-52
Band 8	LTE Band 8	F_min: 880MHz	F_max: 915MHz	24.65 dBm	IR-217	UN-41
Band 9	LTE Band 20	F_min: 832MHz	F_max: 862MHz	23.59 dBm	IR-220	UN-153
Band 10	LTE Band 28*	F_min: 703MHz	F_max: 748MHz	24.38 dBm	IR-219	UN-153
Band 11	GPS L1 C/A Receiver	F_min: 1559MHz	F_max: 1610MHz	N/A	N/D	N/D
Band 12	GLONASS G1 Receiver	F_min: 1559MHz	F_max: 1610MHz	N/A	N/D	N/D
Band 13	BDS B1I Receiver	F_min: 1559MHz	F_max: 1610MHz	N/A	N/D	N/D
Band 14	Galileo E1 Receiver	F_min: 1559MHz	F_max: 1610MHz	N/A	N/D	N/D

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

Note1: Conducted power for mobile technologies and EIRP for other technologies.

Note*: Radio equipment in LTE band 28 is only allowed to operate between 703MHz to 736MHz for the transmitter and between 758MHz to 791MHz for the receiver.

Note**: LTE band 5 is non-EU band but had been tested.

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

Requires license/Use authorization: YES NO

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B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety Article 3.1(a)	IEC 62368-1:2018	TA Technology (Shanghai) Co., Ltd.	R2211A1078-L1V2
	EN IEC 62368-1:2020+A11:2020		
	EN 50665:2017	TA Technology (Shanghai) Co., Ltd.	R2211A1078-M1V2
	EN IEC 62311:2020		
EMC Article 3.1(b)	EN 55032:2015+A11:2020	TA Technology (Shanghai) Co., Ltd.	R2211A1078-E1V2
	EN 55035:2017+A11:2020		
	ETSI EN 301 489-1 V2.2.3		
	ETSI EN 301 489-17 V3.2.4		
	ETSI EN 301 489-19 V2.2.1		
	ETSI EN 301 489-52 V1.2.1		
Efficient use of Radio spectrum Article 3.2	ETSI EN 300 328 V2.2.2	TA Technology (Shanghai) Co., Ltd.	R2211A1078-R3V2
	ETSI EN 301 511 V12.5.1	TA Technology (Shanghai) Co., Ltd.	R2211A1078-R1V2
	ETSI EN 301 908-1 V15.1.1	TA Technology (Shanghai) Co., Ltd.	R2211A1078-R2V2
	ETSI EN 301 908-13 V13.2.1		
	ETSI EN 303 413 V1.2.1	TA Technology (Shanghai) Co., Ltd.	R2211A1078-R4V2

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.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.