

EU-TYPE EXAMINATION CERTIFICATE

No

0370-RED-5895

ISSUED BY	LGAI Technological Center, SA – NB No. 0370 (APPLUS)	
APPLICANT	Wireless-Tag Technology Co., Ltd	
MANUFACTURER (Name, Address)	Wireless-Tag Technology Co., Ltd 801, Block A, Building 6, Shenzhen International Innovation Valley, Dashi Road, Xili Community, Xili Street, Nanshan District, Shenzhen	
COMMERCIALISED BY (Brand)	Wireless-tag	
PRODUCT	WIFI BLE Module	
TYPES	WT018684-S1, WT018684-S1U, WT018684-S2, WT018684-S5, WT018684-S5U, WT018684-S6, WT018684-S6U	
HW / SW / FMW version	SW: v1.0 HW: v1.0	
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	This device is a WIFI BLE Module with Bluetooth LE and WiFi 2.4GHz.	
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 matches with the number of this certificate.

The evaluation of the technical documentation delivered is included in the technical file number: 23/36400143

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, 9th February, 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-5895

A. MODEL DESCRIPTION

A.1. GENERAL INFORMATION ON THE RADIO EQUIPMENT:

Manufacturing country: China
Brand: Wireless-tag
Commercial designation: Wireless-tag
Country of commercialization: European Union
Radio service: Bluetooth LE and WiFi 2.4GHz
Application: WIFI BLE Module

A.1.1 TRADE VERSIONS/VARIANTS: WT018684-S1, WT018684-S1U,
WT018684-S2, WT018684-S5, WT018684-S5U, WT018684-S6,
WT018684-S6U

A.2. FEATURES: WIFI BLE Module

A.3. SOFTWARE VERSION(S): v1.0

A.4. HARDWARE VERSION(S): v1.0

A.5. OTHER COMPONENTS

Disposable antenna YES ☐ Antenna gain (dBi):
NO ☒

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

For WT018684-S1, WT018684-S1U

BAND	SERVICE	Operational frequency (TX)		MAX POWER*	CNAF IR	CNAF/UN-XXX
Band 1	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	5.20 dBm	IR-163	UN-85
Band 2	WiFi 2.4GHz	F_min: 2412MHz	F_max: 2472MHz	15.05 dBm	IR-163	UN-85

For WT018684-S2

BAND	SERVICE	Operational frequency (TX)		MAX POWER*	CNAF IR	CNAF/UN-XXX
Band 1	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	5.11 dBm	IR-163	UN-85
Band 2	WiFi 2.4GHz	F_min: 2412MHz	F_max: 2472MHz	14.82 dBm	IR-163	UN-85

For WT018684-S5, WT018684-S5U

BAND	SERVICE	Operational frequency (TX)		MAX POWER*	CNAF IR	CNAF/UN-XXX
Band 1	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	5.34 dBm	IR-163	UN-85
Band 2	WiFi 2.4GHz	F_min: 2412MHz	F_max: 2472MHz	14.85 dBm	IR-163	UN-85

For WT018684-S6, WT018684-S6U

BAND	SERVICE	Operational frequency (TX)		MAX POWER*	CNAF IR	CNAF/UN-XXX
Band 1	Bluetooth LE	F_min: 2402MHz	F_max: 2480MHz	5.68 dBm	IR-163	UN-85
Band 2	WiFi 2.4GHz	F_min: 2412MHz	F_max: 2472MHz	15.62 dBm	IR-163	UN-85

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 ☒

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B. TEST PROTOCOL

REQUIREMENT	STANDARD	Laboratory	Report no.
Health and Safety Article 3.1(a)	EN IEC 62368-1:2020+A11:2020	Shenzhen Microtest Co., Ltd.	MTi220629014-10S1
	EN IEC 62311:2020	Shenzhen Microtest Co., Ltd.	MTi220629014-08E4
	EN 50665:2017		
EMC Article 3.1(b)	EN 55032:2015+A1:2020	Shenzhen Microtest Co., Ltd.	MTi220629014-11E1
	EN 55035:2017+A11:2020		MTi220629014-08E3
	ETSI EN 301 489-1 V2.2.3		
	ETSI EN 301 489-17 V3.2.4		
Efficient use of Radio spectrum Article 3.2	ETSI EN 300 328 V2.2.2	Shenzhen Microtest Co., Ltd.	MTi220629014-08E1 MTi220629014-08E2

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.

This review includes draft standards, deviations from the standards and technical justification for compliance.