

Certificate

EU-Type Examination

Number: 1304-RED-0156

Project file: C20202306

This certificate is issued in accordance with Article 17 and Annex III of the Radio Equipment Directive 2014/53/EU of the European Parliament and of the Council of 16 April 2014.

Product: **Wireles Alarm System**

Type reference: **BRAVO Wireless System (BRAVO INTR, BRAVO EXT, BRAVO RC, BRAVO MC, BRAVO PIR, BRAVO SR300)**

Trademark:



Applicant: Teletek Electronics JSC
Srebarna Str. 14A, BG-1407 Sofia, Bulgaria

Manufacturer: Teletek Electronics JSC
Srebarna Str. 14A, BG-1407 Sofia, Bulgaria

This EU-type examination certificate is given in respect of compliance of radio equipment with the essential requirements set out in Article 3 of the Radio Equipment Directive 2014/53/EU and concerns the product identified above and its compliance with the following essential requirements:

Essential Requirements	Assessed	Result
Health and safety Article 3.1(a)	Yes	Conform
Electromagnetic compatibility Article 3.1(b)	Yes	Conform
Radio spectrum Article 3.2	Yes	Conform
Radio equipment within certain categories or classes Article 3.3	No	/

Notified body: SIQ Ljubljana
Mašera-Spasičeva ulica 10, SI-1000 Ljubljana, Slovenia

Notification number: 1304

This certificate will remain valid as long as the circumstances relevant for its issue remain unchanged. This conformity assessment is limited to the essential requirements of the Radio Equipment Directive 2014/53/EU. Only products fulfilling all essential requirements of all applicable directives may be placed on the market and put into service. Products in compliance with all provisions of the applicable directives providing for the CE marking must bear this marking.

Date: 2022-01-28

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Ratings and technical description of product:

BRAVO EXT:

100-240 Vac; 200 mA; 50/60 Hz, LiPo 3,7 V; 4100 mAh; BRAVO TTE GPRS is part of the unit

BRAVO INTR:

100-240 Vac; 150mA; 50/60 Hz; LiPo 3,7 V; 4100 mAh; BRAVO TTE GPRS is part of the unit

BRAVO PIR:

CR123A type; 3 V; 1500 mAh

BRAVO RC:

CR2450 type; 3 V; 600 mAh

BRAVO MC:

CR123A type; 3 V; 1500 mAh

BRAVO SR300 LIT:

4 x CR18505 Type; 6V;

BRAVO SR300 ALK:

4 x A type; 6V

Places of manufacture:

Teletek Electronics JSC
Srebarna Str. 14A, BG-1407 Sofia, Bulgaria

Technical description of built in RF module(s):

Product name: Bluetooth module

Type reference: /

Trademark: /

Manufacturer: Texas Instruments

Frequency Range: **T_x**:

2402 - 2480 MHz

R_x:

2402 - 2480 MHz


Transmitted Power: max. 0,7 dBm + 1 dBi antenna

Hardware Version: 2.0 (from device BRAVO INTR, BRAVO EXT)

Software Version: 7.0 (from device BRAVO INTR, BRAVO EXT)

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Number: 1304-RED-0156

Product name: SRD module

Type reference: /

Trademark: /

Manufacturer: Texas Instruments

Frequency Range: 868 MHz – 868,6 MHz and 869,7 MHz - 870 MHz

Transmitted Power: Max. 10,96 dBm – 4,74 dBi antenna

Hardware Version: 2.0 (from device BRAVO INTR, BRAVO EXT)

Software Version: 7.0 (from device BRAVO INTR, BRAVO EXT)

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Technical documentation and supporting evidence:

Health and safety - Article 3.1(a)

The protection of health and safety of persons and of domestic animals and the protection of property, including the objectives with respect to safety requirements set out in Directive 2014/35/EU, but with no voltage limit applying.

Testing Laboratory	Technical standards and specifications	Test Report No.
SIQ Ljubljana	EN 62311:2008	T251-0630/21
SIQ Ljubljana	EN IEC 62311:2020	T251-0892/21
SIQ Ljubljana	EN 62368-1:2014 + A11:2017	T223-0438/21
	EN 60950-22:2017	T223-0774/20

Electromagnetic compatibility - Article 3.1(b)

An adequate level of electromagnetic compatibility as set out in Directive 2014/30/EU.

Testing Laboratory	Technical standards and specifications	Test Report No.
SIQ Ljubljana	EN 303 446-1 V1 .2.1 in conjunction with draft EN 301 489-52 V1.1.2, EN 50130-4:2011 + A1 :2014	T251-0085/21

Efficient use of radio spectrum - Article 3.2

Radio equipment shall be so constructed that it both effectively uses and supports the efficient use of radio spectrum in order to avoid harmful interference.

Testing Laboratory	Technical standards and specifications	Test Report No.
SIQ Ljubljana	EN 300 220-2 V3.1.1	T251-0374/21
SIQ Ljubljana	EN 300 328 V2.2.2	T251-0631/21
		T251-0007/22

Radio equipment within certain categories or classes - Article 3.3

- (a) radio equipment interworks with accessories, in particular with common chargers;
- (b) radio equipment interworks via networks with other radio equipment;
- (c) radio equipment can be connected to interfaces of the appropriate type throughout the Union;
- (d) radio equipment does not harm the network or its functioning nor misuse network resources, thereby causing an unacceptable degradation of service;
- (e) radio equipment incorporates safeguards to ensure that the personal data and privacy of the user and of the subscriber are protected;
- (f) radio equipment supports certain features ensuring protection from fraud;
- (g) radio equipment supports certain features ensuring access to emergency services;
- (h) radio equipment supports certain features in order to facilitate its use by users with a disability;
- (i) radio equipment supports certain features in order to ensure that software can only be loaded into the radio equipment where the compliance of the combination of the radio equipment and software has been demonstrated.

Testing Laboratory	Technical standards and specifications	Test Report No.
/	/	/

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