

CONFORMITY ASSESSMENT MODULE A OF RED Radio Equipment Directive 2014/53/EU – Annex II



Certificate No. : WTS18S05113610W
Manufacturer (Holder) : Shenzhen EBELONG Technology Co., Ltd
Address : Shenzhen wisdom innovation center Suite A.607,
 Qianjin 2nd Road, Baoan District, ShenZhen,
 GuangDong, China
Product : RX: WFI wireless controller
 TX: Batteryless wireless switch
Model(s) : RX: ERC309, ERC309-H, ERC609
 TX: Refer to report section 5.3

In accordance with Article 26 of the Council **Directive 2014/53/EU** of 16 April 2014, certifies that this equipment has been found to comply with the Essential Requirements relating to the design and construction of radio equipment given in Article 3 to the Directive.

Compliance with the Essential Requirements

Article 3.1a): Health and Safety : Yes
 Article 3.1b) Electromagnetic Compatibility : Yes
 Article 3.2: Effective Use of Radio Spectrum : Yes

CE Marking

Marking Example (meet Article 19&20 of **Directive 2014/53/EU**)



Manager: Philo Zhong
Date: 2018-06-14

The statement is based on a single evaluation of the sample of above mentioned product(s). It does not imply an assessment of the whole production.

Waltek Services (Shenzhen) Co., Ltd.

Tel: +86-755-8355 1033
 Http://www.waltek.com.cn

Fax: +86-755-8355 2400
 E-mail: CB@waltek.com.cn

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Technical Description

Frequency Range 433.31MHz
802.11b/g/n HT20: 2412-2472MHz

Transmitted Power -14.18dBm ERP for 433.31MHz
9.87dBm for WIFI

Operational -20-55 Degree Celsius for TX
Temperature -25-55 Degree Celsius for RX

Hardware Version RX: ERC309, ERC309-H, ERC609: V1.3
TX: N/A

Software Version RX: ERC309, ERC309-H, ERC609: 1.1
TX: N/A

Technical Construction File (TCF)

- | | |
|---|---|
| <input checked="" type="checkbox"/> User Manual | <input checked="" type="checkbox"/> Operational Description |
| <input checked="" type="checkbox"/> Block Diagram | <input checked="" type="checkbox"/> Circuit Diagram |
| <input checked="" type="checkbox"/> Parts list | <input checked="" type="checkbox"/> PCB-layout |

Note: The manufacturer shall establish the technical documentation in accordance with Article 21 of 2014/53/EU.

Applied Standard and Test Reports

Article 3.1a): Health and Safety (Conform)

EN 60669-1: 1999+A1:2002+A2:2008
EN 60669-2-1:
2004+A1:2009+A12:2010

EN 62479: 2010

EN 62311: 2008

Test Laboratory

Waltek Services (Shenzhen)
Co., Ltd.

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Co., Ltd.

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Test Report Number

WTS18S06114732S

WTS18S05113608-2W

WTS18S05113608-1W

Article 3.1b) Electromagnetic Compatibility (Conform)

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Draft ETSI EN 301 489-1 V2.2.0

Final draft ETSI EN 301 489-3 V2.1.1

Draft ETSI EN 301 489-17 V3.2.0:
2017

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WTS18S05113608-2W

Article 3.2: Effective Use of Radio Spectrum (Conform)

EN 300 220-1 V3.1.1:2017

EN 300 220-2 V3.1.1:2017

ETSI EN 300 328 V2.1.1: 2016

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Note: The compliance assessment uses harmonized standards where possible, Application of harmonised and “target to be harmonized” standards, the test suite for each product ensures compliance with the normative requirements of harmonized standards, and Notified body review of Art 3.1a, 3.1b and 3.2 compliance.

Statement for Risk Assessment

(Refer to Risk Assessment Report: WTS18S05113610W-RA)

EU declaration of conformity

(Refer to the Declaration Letter from manufacturer.)

Note: The manufacturer shall draw up a written EU declaration of conformity for each radio equipment type and keep it together with the technical documentation at the disposal of the national authorities for 10 years after the radio equipment has been placed on the market. The EU declaration of conformity shall identify the radio equipment for which it has been drawn up. A copy of the EU declaration of conformity shall be made available to the relevant authorities upon request.

End

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