



TEST REPORT

Reference No. : WTD24D07175715W004

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Product : Refer to section 4.3.

Model(s) : Refer to section 4.3.

Standards : EN 50663:2017
EN 62479:2010

Date of Receipt sample : 2018-05-31

Date of Test : 2018-05-31 to 2018-06-09

Date of Issue : 2024-08-09

Test Result : **Pass**

Remarks:

1. The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.
2. “*” **manufacturer** means any natural or legal person who manufactures radio equipment or has radio equipment designed or manufactured, and markets that equipment under his name or trade mark.

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3 Revision History

Test Report No.	Date of Receipt Sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTD24D07175715W004	2018-05-31	2018-05-31 to 2018-06-09	2024-08-09	Original	-	Valid
<p>Note:</p> <p>This test report (Ref. No.: WTD24D07175715W004) is only valid with the original test report (Waltek Services (Shenzhen) Co., Ltd. - Report Ref. No.: WTS18S05113117W).</p> <p>This update only updates the standard version.</p> <p>After technical evaluation, no additional testing is required.</p>						

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4 General Information

4.1 General Description of E.U.T.

Product:	Refer to section 4.3.
Model(s):	Refer to section 4.3.
Model Description:	Refer to section 4.3.
Hardware Version:	RX: ERC302, ERC602: V2.6 ERC303, ERC603: V1.3 ERC304, ERC604: V1.2 TX: N/A
Software Version:	RX: ERC302, ERC602: V1.5 ERC303, ERC603: V1.5 ERC304, ERC604: V1.5 TX: N/A

4.2 Details of E.U.T.

Frequency Range:	433.050 MHz to 434.790 MHz
Transmitted Power:	-8.09dBm ERP.
Type of Modulation:	ASK
Antenna installation:	Integrated Antenna

Note:

#: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, WALTEK lab has not verified the authenticity of its information.

Receiver Category: 2

Ratings: Refer to section 4.3.



4.3 Model List

RX:

Product Name	Model	Description	Ratings
Wireless Receiving Controller	ERC302	Model: ERC302, ERC303, ERC304 and ERC602, ERC603, ERC604 just have different shapes.	Input: AC 100-240V 50/60Hz Load: Max 5A(LED 600W)
	ERC303		Input: AC 100-240V 50/60Hz Load: Max 5A*2CH(LED 600W)
	ERC304		Input: AC 100-240V 50/60Hz Load: Max 10A(LED 1000W)
	ERC602		Input: AC 100-240V 50/60Hz Load: Max 5A(LED 600W)
	ERC603		Input: AC 100-240V 50/60Hz Load: Max 5A*2CH(LED 600W)
	ERC604		Input: AC 100-240V 50/60Hz Load: Max 10A(LED 1000W)

TX:

	Model	Description
E1	EQ0114	Gold wire lattice one-key switch
	EQ0214	Gold wire lattice double key switch
	EQ0314	Gold wire grid three-key switch
	EQ0133	Rose black one-key switch
	EQ0233	Rose black double key switch
	EQ0333	Rose black three-key switch
	EQ0122	Wire silver one-key switch
	EQ0222	Draw silver double key switch
	EQ0322	Draw silver three-key switch
	EQ0143	Blue one-key switch
	EQ0243	Blue two-key switch
	EQ0343	Blue three-key switch
	EE0154	White one-key switch
	EE0254	White double key switch
	EE0354	White three-key switch
	EE0165	Gold one-key switch
	EE0265	Gold two-key switch
	EE0365	Gold three-key switch
	EE0187	Silver one-key switch
	EE0287	Silver two-key switch
	EE0387	Silver three-key switch
E3	EE3154	E3 series white one-key switch
	EE3254	E3 series white double key switches
	EE3165	E3 series gold one-key switch
	EE3265	E3 series gold 2-key switches



5 Test Summary

HEALTH PART		
Test Items	Test Requirement	Result
RF Exposure	EN 50663 and EN 62479	PASS
Remark: N/A: Not Applicable RF: In this whole report RF means Radio Frequency.		

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6 Health Requirements

6.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (10MHz to 300GHz).

Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level P_{\max} .

Annex A contains example values for P_{\max} derived from existing exposure limits listed in the bibliography, such as the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2], and IEEE Std C95.1-2005 [3].

For wireless devices operated close to a person's body with available antenna powers and/or average total radiated powers higher than the P_{\max} values given in Annex A, the alternative P_{\max} values (called P_{\max}), described in Annex B can also be used.

For low power equipment using pulsed signals, other limits may apply in addition to those considered in Annex A and Annex B. Both ICNIRP guidelines [1] and IEEE standards [2], [3] have specific restrictions on exposures to pulsed fields, and the requirements of those standards with respect to exposure to pulses shall be met. Annex C discusses this topic further.

6.2 Test Result of RF Exposure Evaluation

Test Mode	Transmit
Limit (P_{\max})	20mW/13dBm

Note: only the receiving function, without testing can meet the requirements

After performed the test at low/middle/high channel, the below recorded is the worst.

Mode	The worst e.i.r.p. (dBm)	P_{\max} (dBm)	Result
ASK	-5.94	13	complies

Note: $e.i.r.p. = e.r.p. + 2.15$

=====End of Report=====