



# TEST REPORT

## EN 62479:2010 & EN 50665:2017

**Report reference No.**..... : CCTI-2021120301-4E

**Date of issue** ..... : Dec. 13, 2021

**Total number of pages**..... : 6

**Testing Laboratory name**..... : Shenzhen CCTI Technology Co., Ltd.

**Address**..... : 7th Floor, Block A, Building E, Yongwei Industrial Park, No. 118,  
Yongfu Road, Qiaotou, Fuhai Street, Bao'an District, Shenzhen,  
Guangdong, China

**Applicant's name** ..... : ShenZhen EBELONG Technology Co., Ltd

**Address**..... : 4th Floor, Building No.2, Hengmingzhu shajing Industrial Park,  
Xiangxing Road, Bao'an District, ShenZhen GuangDong China

### Test specification

**Standard**..... : EN 62479:2010  
EN 50665:2017

**Test Result** ..... : Pass

**Non-standard test method** ..... : N/A

**Test Report Form No.**..... : --

**TRF Originator** ..... : CCTI testing

**Master TRF** ..... : Dated 2020-09

This device described above has been tested by CCTI, and the test results show that the equipment under test (EUT) is in compliance with the 2014/53/EU RED Directive Art.3.1(a) requirements. And it is applicable only to the tested sample identified in the report.

**Test item description** ..... : Wireless Controller

**Trademark**..... : N/A

**Manufacturer's name** ..... : ShenZhen EBELONG Technology Co., Ltd

**Address**..... : 4th Floor, Building No.2, Hengmingzhu shajing Industrial Park,  
Xiangxing Road, Bao'an District, ShenZhen GuangDong China

**Model and/or type reference**..... : ERC2203-W  
ERC2203,ERC2204,ERC2204-W,ERC2205,ERC2205-W,ERC2206,  
ERC2206-W

**Rating(s)** ..... : Input: 200-240V~ 50/60Hz, 1.5A, 150W

**Testing procedure and testing location:**

**Testing Laboratory**.....: **Shenzhen CCTI Technology Co., Ltd.**

**Address**.....: 7th Floor, Block A, Building E, Yongwei Industrial Park,  
No. 118, Yongfu Road, Qiaotou, Fuhai Street, Bao'an  
District, Shenzhen, Guangdong, China

**Date of Test**.....: Dec. 02, 2021 to Dec. 13, 2021

**Tested by (name + signature)**.....: Peter Huang

*Peter Huang*

**Reviewed by (name + signature)**.....: Sandy Wang

*Sandy Wang*

**Approved by (name + signature)**.....: Corey Mao



**中鉴检测**  
CCTI TESTING

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## 1. GENERAL INFORMATION

### 1.1 GENERAL DESCRIPTION OF EUT

Product Name:	Wireless Controller		
Model No.:	ERC2203-W		
Series No.:	ERC2203,ERC2204,ERC2204-W,ERC2205,ERC2205-W,ERC2206,ERC2206-W		
Model Difference:	The product is different for model number and outlook color.		
Trademark:	N/A		
Product Description:	The EUT is Wireless Controller. 433MHz		
	Operation frequency:	433.92MHz	
	Modulation Type:	FSK	
	Antenna Designation:	External Antenna	
	Antenna Gain (Peak):	1 dBi	
	2.4G WIFI		
	Operation frequency:	IEEE 802.11 b/g/n20 2412-2472MHz IEEE 802.11 n40 2422-2462MHz	
	Modulation Type:	DSSS, OFDM	
	Antenna Designation:	Internal Antenna	
	Antenna Gain (Peak):	1 dBi	
Channel List:	Refer to below		
Hardware Version:	V2.0		
Software Version:	V2.0		
Power supply:	Input: 200-240V~ 50/60Hz, 1.5A, 150W		
Note: The following is the wireless switch model used with the EUT. EE2454-2R,EE2411-2R,EE2254-2R,EE2211-2R,EP1454,EP1439,ES3154-1R,ES3254-1R,ES3454-2R,ES2154,ES2254,ES2354,ES2111,ES2211,ES2311,ES2100,ES2200,ES2300,EM1354,EM1360,EM1380,BM6,BM7,P1,D1,ED154,ED100.			

#### Note:

- For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

## 2. EN 62479 & EN 50663 REQUIREMENT

### 2.1 GENERAL INFORMATION

According to its specifications, the EUT must comply with the requirements of the following standards:

EN 62479: 2010 [Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (0 MHz to 300 GHz)]

EN 50663:2017 [Generic standard for assessment of low power electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (10 MHz - 300 GHz)]

### 2.2 LIMIT

A. Typical usage, installation and the physical characteristics of equipment make it inherently compliant with the applicable EMF exposure levels such as those listed in the bibliography. This low-power equipment includes unintentional (or non-intentional) radiators, for example incandescent light bulbs and audio/visual (A/V) equipment, information technology equipment (ITE) and multimedia equipment (MME) that does not contain radio transmitters.

NOTE Equipment is described as A/V equipment, ITE or MME if its main use is playback/recording of music, voice or images, or processing of digital information.

B. The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in 4.2.

C. The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in 4.2.

D. Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in 4.2.

### 3. RESULT

PASS

433MHz:

The available antenna power of this EUT is 6.03 mW (7.80 dBm), the power are below the low-power exclusion level defined in 4.2(Pmax: 20mW)."

The power see the test report CCTI-2021120301-1E.

PASS.

2.4G WIFI:

The available antenna power of this EUT is 2.65 mW (4.24dBm), the power are below the low-power exclusion level defined in 4.2(Pmax: 20mW)."

The power see the test report CCTI-2021120301-2E.

\*\*\*\*\* END OF REPORT \*\*\*\*\*

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