

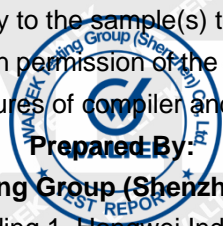


TEST REPORT

Reference No...... : WTX20X11088153W-2
Manufacturer..... : Lumi United Technology Co., Ltd
Address..... : 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road, Liuxian Ave, Taoyuan Residential District, Nanshan District, Shenzhen.China
Product..... : Wireless Remote Switch H1 (Double Rocker)
Test Model..... : WRS-R02
Standards..... : **EN 50663:2017**
Date of Receipt sample.... : Nov.20, 2020
Date of Test..... : Nov.20, 2020 to Dec.14, 2020
Date of Issue..... : Dec.14, 2020
Test Result..... : **Pass**

Remarks:

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.



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Report version

Version No.	Date of issue	Description
Rev.00	Dec.14, 2020	Original
/	/	/

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Manufacturer: Lumi United Technology Co., Ltd
Address of manufacturer: 8th Floor, JinQi Wisdom Valley, No.1 Tangling Road,
Liuxian Ave, Taoyuan Residential District, Nanshan
District, Shenzhen.China

General Description of EUT	
Product Name:	Wireless Remote Switch H1 (Double Rocker)
Trade Name:	Aqara
Model No.:	WRS-R02
Adding Model(s):	/
Rated Voltage:	Battery DC 3V
Battery Capacity:	/
Power Adaptor Model:	/
Software Version:	0.0.0_0021
Hardware Version:	T0
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Support Standards:	Zigbee
Frequency Range:	2405MHz-2480MHz
Max.RF Output Power:	10.69dBm (EIRP)
Modulation:	OQPSK
Type of Antenna:	PCB Antenna
Antenna Gain:	2dBi



1.2 Compliance Standards

The tests were performed according to following standards:

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

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 (10 MHz to 300 GHz).

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

1.3 Test Methodology

All measurements contained in this report were conducted with EN 50663,

The equipment under test (EUT) was configured to measure its highest possible emission level. For more detail refer to the Operating Instructions.

1.4 Test Facility

FCC – Registration No.: 125990

Waltek Testing Group (Shenzhen) Co., Ltd. Laboratory has been recognized to perform compliance testing on equipment subject to the Commissions Declaration Of Conformity (DOC). The Designation Number is CN5010, and Test Firm Registration Number is 125990.

Industry Canada (IC) Registration No.: 11464A

The 3m Semi-anechoic chamber of Waltek Testing Group (Shenzhen) Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 11464A.

1.5 EUT Setup

Use “QCOM_V1.0.exe” and follow the instructions given by the manufacturer, you can start to test. During testing, Channel and Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

RF Output Power Setup			
Mode	Test Frequency (MHz)		
	2405	2440	2480
Zigbee	10dBm	10dBm	10dBm



2. RF EXPOSURE BASIC RESTRICTIONS

2.1 Standard Applicable

Equipment complying with the requirements for the general public is deemed to comply with the requirements for workers without further testing.

The conformity assessment to demonstrate equipment compliance shall be made according to EN 62479:2010, 4.1 and Clause 6.

If routes B, C or D of 4.1 of EN 62479:2010 are followed then the values of P_{max} , as described in 4.2 of EN 62479:2010 and given in Annex A of EN 62479:2010, shall be replaced by those in Table 1 below.

Table 1 — Values of P_{max}

Exposure tier	Region of body	$P_{max}(mW)$
General public	Head and trunk	20
	Limbs	40
Workers	Head and trunk	100
	Limbs	200

2.2 Evaluation Results

Maximum Average Output Power

Modulation/ Frequency (MHz)	ERP/EIRP	ERP/EIRP	Limit	Result
	dBm	mW	mW	Pass/Fail
Zigbee				
OQPSK/2405	10.69	11.7220	20	Pass
OQPSK/2440	10.48	11.1686	20	Pass
OQPSK/2480	10.23	10.5439	20	Pass

Since average output power at worse case is: 11.7220 mW which cannot exceed the exempt condition, 20mW specified in EN 50663. Correspondence between this European standard and Article 3 of Directive 2014/53/EU [2014 OJ L153]



EXHIBIT 1 - EUT PHOTOGRAPHS

Please refer to “ANNEX”.

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

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