



# FCC TEST REPORT

## FCC ID: 2AWNCRLCD-750M02-H5

Product	:	Interactive Whiteboard
Model Name	:	RLCD-750M02-H5
Additional model	:	(see the series list)
Brand	:	REALLY
Report No.	:	PTC20052203201E-FC02
<b>Prepared for</b>		
Shanghai Really Technology Co.,Ltd		
No.2 factory, No.1898 Laiyin Rd, Jiuting town, Songjiang District, Shanghai, China		
<b>Prepared by</b>		
Precise Testing & Certification Co., Ltd		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		



## TEST RESULT CERTIFICATION

Applicant's name : Shanghai Really Technology Co.,Ltd  
Address : No.2 factory, No.1898 Laiyin Rd, Jiuting town, Songjiang District, Shanghai, China  
Manufacture's name : Shanghai Really Technology Co.,Ltd  
Address : No.2 & No.3 factories, No.1898 Laiyin Rd, Jiuting town, Songjiang District, Shanghai, China  
Product name : Interactive Whiteboard  
Model name : RLCD-750M02-H5  
Additional mode : (see the series list)  
Test procedure : KDB 447498 D01 General RF Exposure Guidance v05  
Test Date : Jun 03, 2020 to Jun 19, 2020  
Date of Issue : Jun 19, 2020  
Test Result : Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Test Engineer:

A handwritten signature in black ink that reads "Leo Yang".

Leo Yang / Engineer

Technical Manager:

A handwritten signature in black ink that appears to read "Chris Du".

Chris Du / Manager



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## 2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



### 3 General Information

#### 3.1 General Description of E.U.T.

Product Name	:	Interactive Whiteboard
Model Name	:	RLCD-750M02-H5
Additional model	:	(see the series list)
Bluetooth Version	:	N/A
Operating frequency	:	802.11b/g/n HT20: 2412-2462MHz
Max. RF output power	:	WiFi: 20.22dBm
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation:	:	Cylindrical antenna
Antenna Gain:	:	0 dbi
Power supply	:	AC100-240V 50/60HZ
Adapter	:	Input:AC100-240V 50/60HZ Max 3.5A, 250W
Hardware Version	:	N/A
Software Version	:	Version 4.0

#### 3.2 Model list:

Model	Variable range	Model difference
RLCD-1000*****	“*****”:0-9 or A-Z or“-” or blank  Other letters represent only the letters themselves and are non-variables.	Software Version 4.0 black
RLCD-980*****		Software Version 4.0 silver
RLCD-860*****		Software Version 3.0 black
RLCD-850*****		Software Version 3.0 silver
RLCD-750*****		Software Version 3.0 gray
RLCD-650*****		Software Version 2.0 black
RLCD-550*****		Software Version 2.0 silver
<b>NOTE:(The appearance color of the series products is different, the Software version name is different,function is the same.)</b>		



## 4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

### 4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

### 4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; \*Plane-wave equivalent power density



### 4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \qquad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

### 4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm <sup>2</sup> )	Limit of Power Density (mW/cm <sup>2</sup> )	Result
WIFI	1	20.22	105.20	0.0209	1	Pass

\*\*\*\*\*THE END REPORT\*\*\*\*\*