Shanghai Rongtai Health Technology Corporation Limited

MPE ASSESSMENT REPORT

Report Type:
FCC MPE assessment report

Model:
RT8712F

REPORT NUMBER:
210602338SHA-002

ISSUE DATE:
August 18, 2021

DOCUMENT CONTROL NUMBER:
TTRFFCCMPE-02_V1 © 2018 Intertek

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Total Quality. Assured.

TEST REPORT

Report no.: 210602338SHA-002

Applicant	:	**Shanghai Rongtai Health Technology Corporation Limited** **No. 1226, Zhufeng Road, Qingpu, Shanghai 201714, P.R.China**
Manufacturer	:	**Shanghai Rongtai Health Technology Corporation Limited** **No. 1226, Zhufeng Road, Qingpu, Shanghai 201714, P.R.China**
Factory	:	**Shanghai Rongtai Health Technology Corporation Limited** **No. 1226, Zhufeng Road, Qingpu, Shanghai 201714, P.R.China**
FCC ID	:	**2ACM7RT8712F**

SUMMARY:

The equipment complies with the requirements according to the following standard(s) or Specification:
FCC PART 1 SECTION 1.1310

PREPARED BY:	**REVIEWED BY:**
Project Engineer Eric Li	Reviewer Daniel Zhao

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TEST REPORT

Revision History

Report No.	Version	Description	Issued Date
210602338SHA-002	Rev. 01	Initial issue of report	August 18, 2021

TEST REPORT

Measurement result summary

TEST ITEM	FCC REFERANCE	TEST RESULT	NOTE
RF Exposure	1.1310	Pass	-

Notes: 1: NA =Not Applicable

2. Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty.

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TEST REPORT

1 GENERAL INFORMATION

1.1 Description of Equipment Under Test (EUT)

Product name:	Massage chair
Type/Model:	RT8712F
Description of EUT:	EUT is a massage chair. It supports WPC and Bluetooth functions, the Bluetooth used the approved module, the FCC ID is 2ANMBZEN-BDM89 There is one mode, we test it and list the worst results in this report.
Rating:	110~120V~, 60Hz, 1.55A
Category of EUT:	Class B
EUT type:	☐ Table top ☒ Floor standing
Software Version:	/
Hardware Version:	/
Sample received date:	August 2, 2021
Date of test:	August 6, 2021~ August 13, 2021

1.2 Technical Specification

Frequency Range:	111kHz – 205kHz

1.3 Description of Test Facility

Name:	Intertek Testing Services Shanghai
Address:	Building 86, No. 1198 Qinzhou Road(North), Shanghai 200233, P.R. China
Telephone:	86 21 61278200
Telefax:	86 21 54262353

The test facility is recognized, certified, or accredited by these organizations:	CNAS Accreditation Lab Registration No. CNAS L0139
	FCC Accredited Lab Designation Number: CN1175
	IC Registration Lab Registration code No.: 2042B-1
	VCCI Registration Lab Registration No.: R-4243, G-845, C-4723, T-2252
	A2LA Accreditation Lab Certificate Number: 3309.02

2 TEST SPECIFICATIONS

2.1 Standards or specification

FCC PART 1 SECTION 1.1310
KDB 680106 D01 RF Exposure Wireless Charging App v03

2.2 Mode of operation during the test

Within this test report, EUT was tested under all modes and tested under its rating voltage and frequency. Other voltage and frequency are specified if used. The worst data was listed in the report.

2.3 Test peripherals list

Item No.	Name	Band and Model	Description
1	Wireless load	KjB/ZS3012	100% power level
2	Wireless load	KjB/ZS3012	50% power level
3	Wireless load	KjB/ZS3012	0% power level
4			

2.4 Record of climatic conditions

Test Item	Temperature (°C)	Relative Humidity (%)	Pressure (kPa)
RF Exposure	24	53	101

2.5 Instrument list

Used	Equipment	Manufacturer	Type	Internal no.	Due date
☑	Exposure Level Tester	Narda	ELT-400	EC 2928	2021-08-15
☑	Field sensor & Field meter	AR	FL17000	EC 5818-1	2022-05-21

3 RF Exposure Assessment

Test result: Pass

3.1 Assessment Limit

Reference: 47 CFR §1.1310, KDB 680106

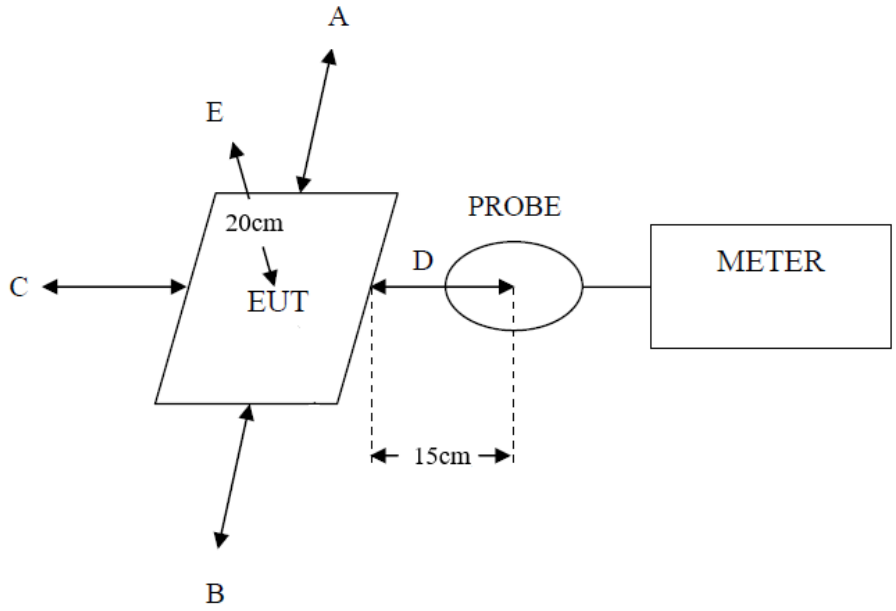
Limits for General Population/Uncontrolled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm^2]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	30
0.3 – 1.34	614	1.63	*100	30
1.34 – 30	824/f	2.19/f	*180/f^2	30
30 – 300	27.5	0.073	0.2	30
300 – 1 500	-	-	f/1500	30
1 500 – 100 000	-	-	1.0	30

Limits for Occupational/Controlled Exposure

Frequency range [MHz]	Electric field strength [V/m]	Magnetic field strength [A/m]	Power density [mW/cm^2]	Averaging time [minutes]
0.1 – 0.3	614	1.63	*100	6
0.3 – 3.0	614	1.63	*100	6
3.0 – 30	1842/f	4.89/f	*900/f^2	6
30 – 300	61.4	0.163	1.0	6
300 – 1 500	-	-	f/300	6
1 500 – 100 000	-	-	5	6

3.2 Assessment Configuration



TEST REPORT

3.3 Assessment Results

Test result of Magnetic Field Strength:

Test Position	Test distance (cm)	Test result (A/m)	Limit (A/m)	Result (Pass/Fail)
A: Right	15	0.030	1.63 *0.5	Pass
B: Left	15	0.037	1.63 *0.5	Pass
C: Front	15	0.032	1.63 *0.5	Pass
D: Back	15	0.041	1.63 *0.5	Pass
E: Top	20	0.031	1.63 *0.5	Pass

Test result of Electric Field Strength:

Test Position	Test distance (cm)	Test result (V/m)	Limit (V/m)	Result (Pass/Fail)
A: Right	15	0.78	614 *0.5	Pass
B: Left	15	0.85	614 *0.5	Pass
C: Front	15	0.79	614 *0.5	Pass
D: Back	15	0.91	614 *0.5	Pass
E: Top	20	0.83	614 *0.5	Pass

Test Setup

20cm for top

15cm for around

********** END **********