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FCC Test Report

Applicant : Shenzhen Minsuo Industrial Co.,Ltd.

Address 12th floor, Block B, Tengyao Building, No. 268 Gushu 2nd road, Xixiang Town, Bao'an, Shenzhen, China

Product Name : CHARGER WITH RGB LIGHTS

Report Date

Aug. 20, 2024

Ino



Shenzhen Anbotek Compliance Laboratory Limited

Address:1/F.,Building D,Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel:(86) 0755–26066440 Fax:(86) 0755–26014772 Email:service@anbotek.com Code:AB-RF-05-b Hotline 400-003-0500 www.anbotek.com.cn





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TEST REPORT

Applicant	: Shenzhen Minsuo Industrial Co.,Ltd.
Manufacturer	: Shenzhen Minsuo Industrial Co.,Ltd.
Product Name	: CHARGER WITH RGB LIGHTS
Model No.	: MP-299, CRGB-6/2392
Trade Mark	: N/A
Rating(s)	Input: 9V= 3A Wireless Output: 5W, 7.5W, 10W, 15W

Test Standard(s)	:	FCC Part 1.1310, 1.1307(b)
Test Method(s)	:	KDB 680106 D01 Wireless Power Transfer v04

The device described above is tested by Shenzhen Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Shenzhen Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 1.1307 & KDB680106 D01 requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Shenzhen Anbotek Compliance Laboratory Limited.

Jul. 25, 2024

Date of Receipt Date of Test

Prepared By

Jul. 25, 2024 to Aug. 14, 2024

Tu Tu Hong

(TuTu Hong)

Idward pan

(Edward Pan)

Shenzhen Anbotek Compliance Laboratory Limited

Approved & Authorized Signer

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China. Tel: (86) 0755–26066440 Fax: (86) 0755–26014772 Email:service@anbotek.com







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Report Version			Descripti	on	Issued Date			
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Revision History

Shenzhen Anbotek Compliance Laboratory Limited

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1. General Information

1.1. Client Information

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1.2. Description of Device (EUT)

Product Name	: CHARGER WITH RGB LIGHTS
Model No.	MP-299, CRGB-6/2392 (Note: All samples are the same except the model number, so we prepare "MP-299" for test only.)
Trade Mark	: N/A
Test Power Supply	: AC 120V, 60Hz for adapter
Test Sample No.	: 1-2-1(Normal Sample), 1-2-2(Engineering Sample)
Adapter	· N/A
RF Specification	
	· 115-205kHz

Operation Frequency	:	115-205kHz
Modulation Type	:	FSK Anbolek Anbolek Anbolek Anbolek Anbolek Anbolek
Antenna Type	:	Inductive loop coil Antenna
alle. Mar		pecification are provided by customer. 2) For a more detailed features the manufacturer's specifications or the User's Manual.

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1.3. Auxiliary Equipment Used During Test

Title Manufacturer		Model No.	Serial No.		
Xiaomi 33W adapter	Xiaomi	MDY-11-EX	SA62212LA04358J		
Wireless charging load	Shenzhen Ouju Technology Co., Ltd.	CD2577	ek anbotk Anbote		

1.4. Description of Test Modes

Pretest Modes	Descriptions
TM1 ^{ee}	Adapter+WTP Mode (7.5W 1% Load)
TM2 pole A	Adapter+WTP Mode (7.5W 50% Load)
Anne Hotek TM3 Anbotek	Adapter+WTP Mode (7.5W 99% Load)
TM4	Adapter+WTP Mode (10W 1% Load)
TM5	Adapter+WTP Mode (10W 50% Load)
TM6	Adapter+WTP Mode (10W 99% Load)
TM7 of M	Adapter+WTP Mode (15W 1% Load)
TM8	Adapter+WTP Mode (15W 50% Load)
TM9	Adapter+WTP Mode (15W 99% Load)
TM10	Standby Mode
NOTE ROLL	standard the standard

1.5. Test Equipment List

lte	m	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
× 1	P	Electric and Magnetic field Analyzer	NARDA	EHP-200A	180ZX10202	Oct. 16, 2023	1 Year

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1.6. Measurement Uncertainty

Magnetic Field Reading(A/m)	:	+/-0.04282(A/m)	Anbotek	Anbotek	Anbote.	Anbotek
Electric Field Reading(V/m)	:	+/-0.03679(V/m)	Anbotek	Anbor	Anbotek	Anboten abote
The measurement uncertainty	and	decision risk eval	uated accor	ding to AB/W	I-RF-F-032	P.c.

The measurement uncertainty and decision risk evaluated according to AB/WI-RF-F-032. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

1.7. Description of Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

FCC-Registration No.: 434132

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No. 434132.

ISED-Registration No.: 8058A

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

1.8. Disclaimer

- 1. The test report is invalid if not marked with the signatures of the persons responsible for preparing and approving the test report.
- 2. The test report is invalid if there is any evidence and/or falsification.
- 3. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein.
- 4. This document may not be altered or revised in any way unless done so by Anbotek and all revisions are duly noted in the revisions section.
- 5. Content of the test report, in part or in full, cannot be used for publicity and/or promotional purposes without prior written approval from the laboratory.
- 6. The authenticity of the information provided by the customer is the responsibility of the customer and the laboratory is not responsible for its authenticity.

The laboratory is only responsible for the data released by the laboratory, except for the part provided by the applicant.

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2. Measurement and Result

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
	(A) Limits for Occ	upational/Controlled Ex	posures	
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
300-1500	/	1	f/300	6
1500-100,000	1	1	5	6
	(B) Limits for Genera	l Population/Uncontrolle	d Exposure	
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
300-1500	1	1	f/1500	30

2.1. Limits For Maximum Permissible Exposure (MPE)

F=frequency in MHz

1500-100,000

*=Plane-wave equivalent power density

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RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).

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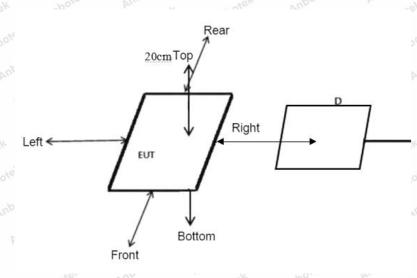


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2.2. Test Setup



Note: Measurements should be made at 20 cm surrounding the EUT and 20cm above the top surface of the EUT.

2.3. Test Procedure

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at required test distance which is between the edge of the charger and the geometric center of probe.
- 3) The highest emission level was recorded and compared with limit as soon as measurement of each points
- (A, B, C, D, E) were completed.(A is the right, B is the back, C is the left, D is the front, and E is the top.)

4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

Remark; The EUT's test position A, B, C, D and E is valid for the E and H field measurements.

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2.4. Test Result

Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(b), 1.1310Temperature:23 °CHumidity:51 %Atmospheric Pressure:101 kPa

E-Field Strength at 20 cm surrounding the EUT and 20cm above the top surface of the EUT

Test Mode	Frequency Range (kHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (V/m)
MTM7	115-205	3.376	3.626	3.076	3.126	3.276	614
TM8	115-205	1.206	1.306	1.356	1.406	1.256	614
TM9	115-205	0.427	0.452	0.417	0.432	0.447	614
TM10	115-205	0.348	0.348	0.398	0.398	0.348	614

H-Field Strength at 20 cm surrounding the EUT and 20cm above the top surface of the EUT

Test Mode	Frequency Range (kHz)	Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Limits Test (A/m)
TM7	115-205	0.675	0.725	0.615	0.625	0.655	1.63
TM8	115-205	0.241	0.261	0.271	0.281	0.251	1.63
TM9	115-205	0.085	0.090	0.083	0.086	0.089	1.63
TM10	115-205	0.070	0.070	0.080	0.080	0.070	1.63

Note: All modes has been tested, only the worst data was recorded in the report.

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APPENDIX I -- TEST SETUP PHOTOGRAPH

Please refer to separated files Appendix I -- Test Setup Photograph_MPE

APPENDIX II -- EXTERNAL PHOTOGRAPH

Please refer to separated files Appendix II -- External Photograph

APPENDIX III -- INTERNAL PHOTOGRAPH

Please refer to separated files Appendix III -- Internal Photograph

----- End of Report -----

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