RF EXPOSURE REPORT

Product Name:	Harmony Mobile Charger
FCC ID:	2A7GU-2022
Trademark:	Harmony
Model Number:	2022
Prepared For:	Harmony Energy Technologies Corporation
Address:	165 Broadway FL 23, New York NY 10006
Manufacturer:	PYS High-Tech Co., Ltd
Address:	1F~12F, Block 9, Lianhua Industrial Zone, Longhua, Shenzhen,Guangdong 518109 CHINA
Prepared By:	Shenzhen CTB Testing Technology Co., Ltd.
Address:	Floor 1&2, Building A, No. 26 of Xinhe Road, Xinqiao Community, Xinqiao Street, Baoan District, Shenzhen, Guangdong, China.
Sample Received Date:	Jun. 30, 2022
Sample tested Date:	Jun. 30, 2022 to Aug. 4, 2022
Issue Date:	Aug. 4, 2022
Report No.:	CTB220712020RF
Test Standards	FCC CFR 47 part1, 1.1307(b), 1.1310, 47 CFR§2.1091; KDB 680106 D01 RF Exposure Wireless Charging App v03r01
Test Results	PASS
Remark:	This is wireless charger EMF report.

Compiled by:	Reviewed by:	Approved by:
Arron Liu	Bin Mei	Rita Xiao / Director

Note: If there is any objection to the inspection results in this report, please submit a written report to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen CTB Testing Technology Co., Ltd. this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client. "*" indicates the testing items were fulfilled by subcontracted lab. "#" indicates the items are not in CNAS accreditation scope.

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1. GENERAL INFORMATION

1.1. Independent Operation Mode

The basic operation mode is:

1.1.1. wireless charger power: 15W

1.2. Test Supporting System

Adapter
Description : Adapter
Model No. : HP18A-0902000-AU
Power Input : AC100-240V~ 1.0A 50/60Hz
Output: 9V⎓ 2.0A
DC Line : Unshielded, Detachable 1.2m

2.LIST OF TEST AND MEASUREMENT INSTRUMENTS

2.1. For conducted emission at the mains terminals test

Item	Equipment	Brand	Model No.	Frequency Range	Last calibration	Calibrated until
1	Broadband Field Meter	NARDA	NBM-550	-	2021.09.27	2022.08.05
2	Magnetic Field Meter	NARDA	ELT-400	1 – 400kHz	2021.09.27	2022.08.05
3	Magnetic Probe	NARDA	HF-3061	300kHz – 30MHz	2021.09.27	2022.08.05
4	Magnetic Probe	NARDA	HF-0191	27 – 1000MHz	2021.09.27	2022.08.05
5	Broadband Field Meter	NARDA	NBM-550	-	2021.09.27	2022.08.05
6	Electric Field Meter	COMBINOVA	EFM 200	5Hz – 400kHz	2021.09.27	2022.08.05
7	E-Field Probe	NARDA	EF-0391	100kHz – 3GHz	2021.09.27	2022.08.05
8	E-Field Probe	NARDA	EF-6091	100MHz – 60GHz	2021.09.27	2022.08.05

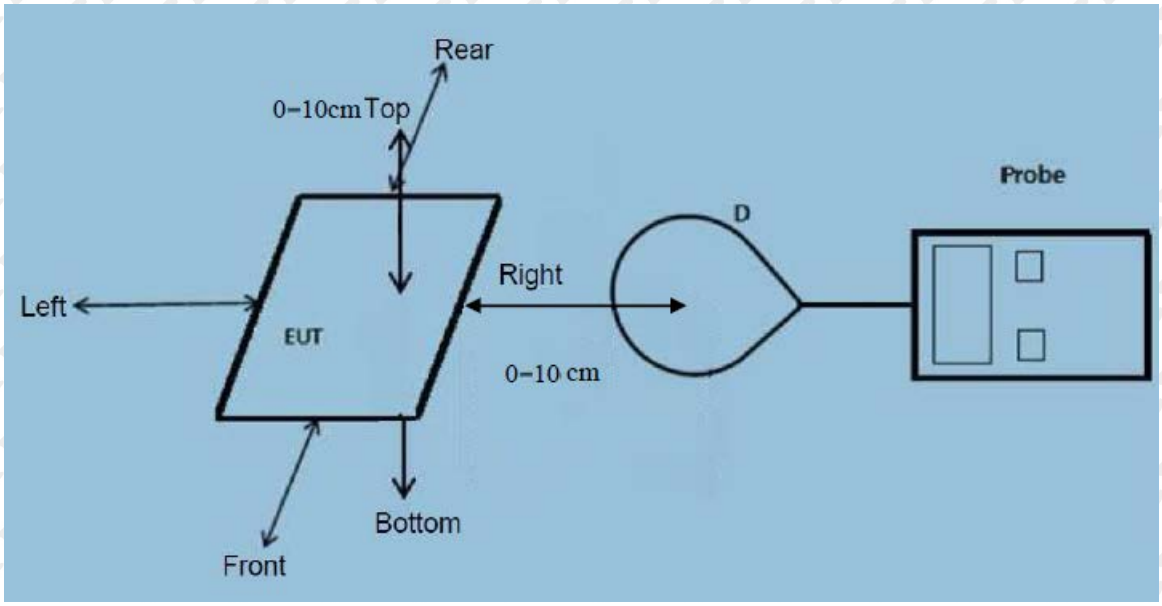
3. METHOD OF MEASUREMENT

3. 1.Applicable Standard

According to §1.1307(b)(1), 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 level in excess of the Commission's guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB680106 D01: RF Exposure Wireless Charging Apps v 03r01.

4. TEST RESULT

4.1. Conducted Emission at the Mains Terminals Test



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 10 cm-0cm measured from the center of the top and the center of the rest

Test Procedure:

a) The RF exposure test was performed on 360 degree turn table in anechoic chamber.
b) 10 cm-0cm measured from the center of the top and the rest sides.c) The turn table was rotated 360d degree to search of highest strength.
c) The turn table was rotated 360d degree to search of highest strength.
d) The highest emission level was recorded and compared with limit as soon as measurement of each points were completed.
e) The EUT were measured according to the dictates of KDB 680106 D01 RF Exposure Wireless Charging App v03r01.

4.2. Equipment Approval Considerations:

The EUT does comply with item 5(b) of KDB 680106 V03R01

1) Power transfer frequency is less than 1MHz

Yes, the device operate in the frequency range from 110KHz to 205KHz

2) Output power from each primary coil is less than or equal to 15 watts.

Yes, the maximum output power of the primary coil is 15W.

3) The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.

Yes, only has one coils.

4) Client device is placed directly in contact with the transmitter.

Yes, client device is placed directly in contact with the transmitter.

5) Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

No, submit a KDB inquiry to get test guideline and fully follow the KDB inquiry guideline.

6) The aggregate H-field strengths anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable MPE limit.

Yes, the EUT field strength levels are less 50% x MPE limit.

4.3. E and H field Strength

H-Field Strength at 10 cm surrounding the EUT,all have been tested, only worse case is reported.

battery level	Frequency Range (kHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits Test (A/m)
not load	110-205	0.11	0.10	0.09	0.12	0.11	0.08	1.63
1%	110-205	0.40	0.45	0.44	0.47	0.46	0.30	1.63
50%	110-205	0.32	0.33	0.40	0.31	0.32	0.34	1.63
99%	110-205	0.24	0.22	0.22	0.23	0.24	0.16	1.63

E-Field Strength at 10 cm surrounding the EUT,all have been tested, only worse case is reported.

battery level	Frequency Range (kHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits Test (V/m)
not load	110-205	0.11	0.25	0.20	0.12	0.07	0.04	614
1%	110-205	1.81	1.75	1.70	1.61	1.50	1.42	614
50%	110-205	1.74	1.72	1.66	1.55	1.41	1.30	614
99%	110-205	1.70	1.66	1.54	1.46	1.33	1.29	614

H-Filed Strength at 8 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (A/m)
0.110-0.205	0.55	0.54	0.55	0.54	0.55	0.30	1.63

E-Filed Strength at 8 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (V/m)
0.110-0.205	1.80	1.75	1.70	1.65	1.40	1.23	614

H-Filed Strength at 6 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (A/m)
0.110-0.205	0.63	0.62	0.61	0.62	0.62	0.40	1.63

E-Filed Strength at 6 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (V/m)
0.110-0.205	1.85	1.79	1.74	1.80	1.45	1.25	614

H-Filed Strength at 4 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (A/m)
0.110-0.205	0.61	0.62	0.70	0.65	0.70	0.47	1.63

E-Filed Strength at 4 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (V/m)
0.110-0.205	1.88	1.82	1.77	1.83	1.45	1.28	614

H-Filed Strength at 2 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (A/m)
0.110-0.205	0.75	0.76	0.71	0.72	0.72	0.50	1.63

E-Filed Strength at 2 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (V/m)
0.110-0.205	1.93	1.83	1.78	1.80	1.49	1.32	614

H-Filed Strength at 0 cm from the edges surrounding the EUT (A/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (A/m)
0.110-0.205	0.81	0.80	0.82	0.83	0.82	0.65	1.63

E-Filed Strength at 0 cm from the edges surrounding the EUT (V/m)

Frequency Range (MHz)	Test Position Right	Test Position Front	Test Position Rear	Test Position Left	Test Position Top	Test Position Bottom	Limits (V/m)
0.110-0.205	2.01	1.99	1.84	1.77	1.52	1.41	614

Note: All the mode have been tested,such as not loaded, loaded with 1 client and battery levels at 1, 50 and 99 % charged, only worse case was reported.

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