



SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Report No.: SHCR230700145602

Page: 1 of 13

Human Exposure Report

Application No.: SHCR2307001456AT
FCC ID: 2BA76WG03MNT005
Applicant: MotoMotion China Corporation
Address of Applicant: No. 61 Xinggang Road, Zhonglou Economic Development Zone, Changzhou, Jiangsu, P.R. China
Manufacturer: MotoMotion China Corporation
Address of Manufacturer: No. 61 Xinggang Road, Zhonglou Economic Development Zone, Changzhou, Jiangsu, P.R. China
Equipment Under Test (EUT):
EUT Name: Wireless Charger
Model No.: WG03-6
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
Date of Receipt: 2023-06-14
Date of Test: 2023-07-27 to 2023-07-31
Date of Issue: 2023-08-03

Test Result :	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Parlam Zhan

Parlam Zhan
Laboratory Manager



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EEC EMC Lab

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Report No.: SHCR230700145602

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Revision Record			
Version	Description	Date	Remark
00	Original	2023-08-03	/

Authorized for issue by:			
		Bill Wu	
		Bill Wu/Project Engineer	
		Parlam Zhan	
		Parlam Zhan/Reviewer	



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3 General Information

3.1 Details of E.U.T.

Power supply: DC 29V
 Wired Output: 15W Max.
 Antenna Type: Loop Antenna
 Modulation Type: Load Modulation
 Operation Frequency: 110KHz-148KHz

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Load	N/A	N/A	N/A
Mobilephone	Apple	Iphone 12	/
AC Adapter	/	E010-1K050200VUU	/



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3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Tel: +86 21 6191 5666 Fax: +86 21 6191 5678

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g. max. clock frequency, highest internal frequency, antenna gain, cable loss, etc) is provided by the applicant. (if applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (if applicable).

3.4 Test Facility

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

- **A2LA (Certificate No. 6332.01)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the American Association for Laboratory Accreditation(A2LA).

- **FCC (Designation Number: CN1301)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0020)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 8617A

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

3.5 Deviation from Standards

None

3.6 Abnormalities from Standard Conditions

None



4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal date	Cal. Due date
1	Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2021-05-25	2024-05-24
2	Electromagnetic Field Probe	Narda	EHP-200AC	SHEM0907	2023-04-10	2024-04-09



5 Test Results

5.1 RF Exposure test

Test Requirement: 47 CFR PART 1, Subpart I, Section 1.1310

Measurement Distance: 10 cm for surrounding the device and 10 cm for above the top surface.

Limit:

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
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	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled 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	/	/	f/1500	30
1500-100,000	/	/	1.0	30

F=frequency in MHz

*=Plane-wave equivalent power density

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).



5.2 E.U.T. Operation

5.2.1 Operating Environment

Temperature: 24.0 °C Humidity: 52% RH Atmospheric Pressure: 1015 mbar

5.2.2 EUT Operation:

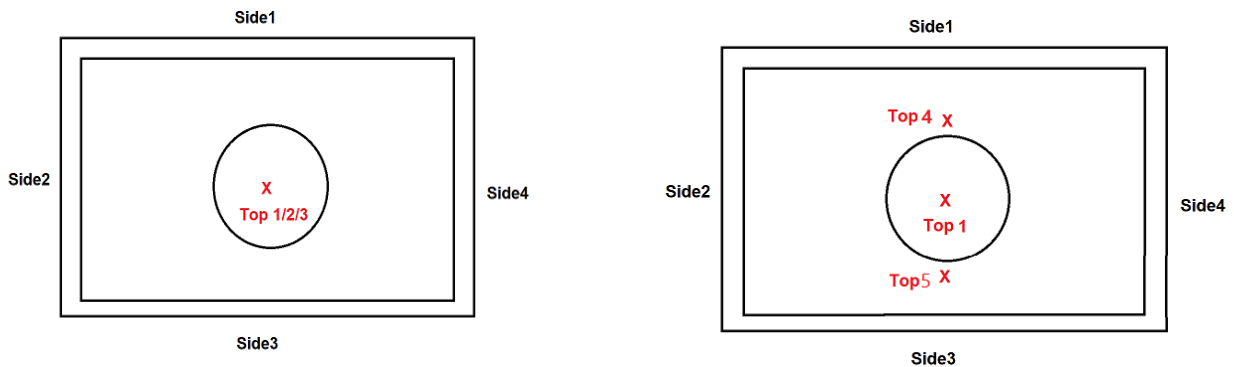
5.2.3 Simulation Load Mode

Test mode 00: Wireless Output(The load shall be set at full, half, empty load (15W/7.5W/0W)
 01: Wireless Output(The mobile phone shall be set at 85% charge state, 50% charge state, 15% charge state.

Measurement Data:

Average 1: Test 3 times at the same location, taking the average value = (Top1+Top2+Top3)/3

Average 2: Average different points on the same surface = (Top1+Top4+Top5)/3



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Test mode 00: Load:

Electric Field

Test Distance (cm)	Test Position		Test Data (V/m)			Limit (V/m)	Result
			Full Load	Half Load	Empty Load		
10	Side	1	0.813	0.632	0.394	614 50% Limit	Pass
		2	0.431	0.311	0.175		Pass
		3	0.835	0.629	0.387		Pass
		4	0.426	0.327	0.182		Pass
	Top	1	1.566	1.235	0.615		Pass
		2	1.576	1.251	0.609		Pass
		3	1.558	1.246	0.622		Pass
		4	1.268	0.962	0.475		Pass
		5	1.189	0.937	0.452		Pass
	Top Average	1+2+3	1.567	1.244	0.615		Pass
		1+4+5	1.341	1.045	0.514		Pass
	Back		0.415	0.287	0.146		Pass

Magnetic Field

Test Distance (cm)	Test Position		Test Data (A/m)			Limit (A/m)	Result		
			Full Load	Half Load	Empty Load				
10	Side	1	0.596	0.515	0.441	1.63	Pass		
		2	0.314	0.283	0.205		Pass		
		3	0.604	0.520	0.429		Pass		
		4	0.325	0.279	0.197		Pass		
	Top	1	0.972	0.826	0.733		Pass		
		2	0.966	0.817	0.728		Pass		
		3	0.994	0.820	0.717		Pass		
		4	0.751	0.647	0.571		Pass		
		5	0.714	0.591	0.544		Pass		
	Top Average	1+2+3	0.977	0.821	0.726		Pass		
		1+4+5	0.812	0.688	0.616		Pass		
	Back		0.294	0.277	0.198		Pass		
	20	Top1	1	0.516	0.492		0.453	50% Limit	Pass



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Test mode 01: Mobile Phone:

Electric Field Emissions

Test Distance (cm)	Test Position		Test Data (V/m)			Limit (V/m)	Result	
			85%	50%	15%			
10	Side	1	0.794	0.617	0.382	614 50% Limit	Pass	
		2	0.420	0.304	0.171		Pass	
		3	0.817	0.613	0.376		Pass	
		4	0.415	0.319	0.178		Pass	
	Top	1	1.533	1.208	0.601		Pass	
		2	1.514	1.217	0.588		Pass	
		3	1.529	1.202	0.613		Pass	
		4	1.210	0.940	0.466		Pass	
		5	1.122	0.906	0.434		Pass	
	Top Average	1+2+3	1.525	1.209	0.601		Pass	
		1+4+5	1.288	1.018	0.500		Pass	
	Back			0.405	0.280		0.140	Pass

Magnetic Field

Test Distance (cm)	Test Position		Test Data (A/m)			Limit (A/m)	Result		
			85%	50%	15%				
10	Side	1	0.559	0.481	0.413	1.63	Pass		
		2	0.293	0.264	0.190		Pass		
		3	0.565	0.486	0.402		Pass		
		4	0.304	0.260	0.184		Pass		
	Top	1	0.910	0.775	0.688		Pass		
		2	0.922	0.759	0.671		Pass		
		3	0.905	0.764	0.695		Pass		
		4	0.732	0.616	0.552		Pass		
		5	0.668	0.567	0.497		Pass		
	Top Average	1+2+3	0.912	0.766	0.685		Pass		
		1+4+5	0.770	0.653	0.579		Pass		
	Back			0.275	0.260		0.186	Pass	
	20	Top1	1	0.511	0.484		0.449	50% Limit	Pass



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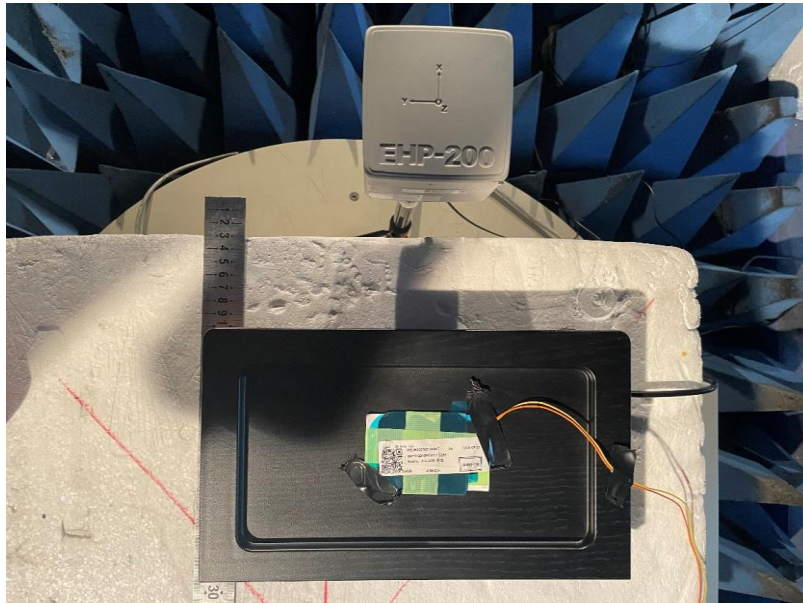
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6 Test Photo

Top



Side1



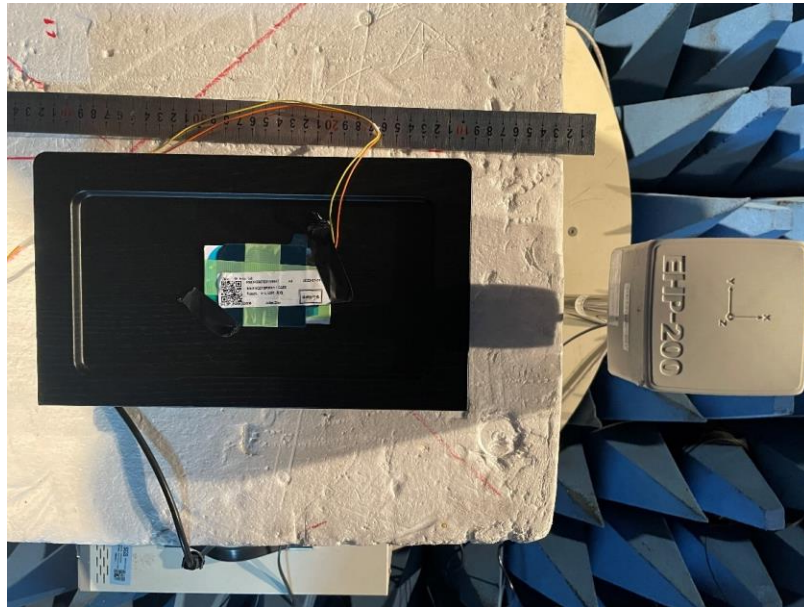
Side2



Side3



Side3



- End of the Report -

