



Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR241000202502

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Human Exposure Report

Application No.: KSCR2410002025AT
FCC ID: 2BA76CC01MNT011
Name of Testing Laboratory preparing the Report: Compliance Certification Services (Kunshan) Inc.
Address of Testing Laboratory preparing the Report: No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.
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: Control panel
Model No.: CC01
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2024-10-15
Date of Test: 2024-11-10 to 2024-11-13
Date of Issue: 2024-11-13

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

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Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.



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Revision Record			
Version	Description	Date	Remark
00	Original	2024-11-13	/

Authorized for issue by:				
Tested By		Damon Zhou		
		Damon_Zhou/Project Engineer		
Approved By		Terry Hou		
		Terry Hou /Reviewer		



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3 General Information

3.1 Details of E.U.T.

Power supply:	DC 29V by AC Adapter
Wired Output:	Wireless charging (Single):5W Wireless charging (Dual):5W*2
Antenna Type:	Loop Antenna
Modulation Type:	Load Modulation
Operation Frequency:	110kHz to 148kHz

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Load	/	/	/
Mobilephone	Apple	/	/



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3.3 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888 Fax: +86 512 5737 0818

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. Sample source: sent by customer.

3.4 Test Facility

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

- **A2LA**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

- **ISED**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 2324E

- **VCCI**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

3.5 Deviation from Standards

None

3.6 Abnormalities from Standard Conditions

None



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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	2024-05-25	2027-05-24
2	Electromagnetic Field Probe	Narda	EHP-200AC	SHEM0907	2024-04-10	2025-04-09



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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: 25.8 °C

Humidity: 50.5 % RH

Atmospheric Pressure: 1015 mbar

5.2.2 EUT Operation:

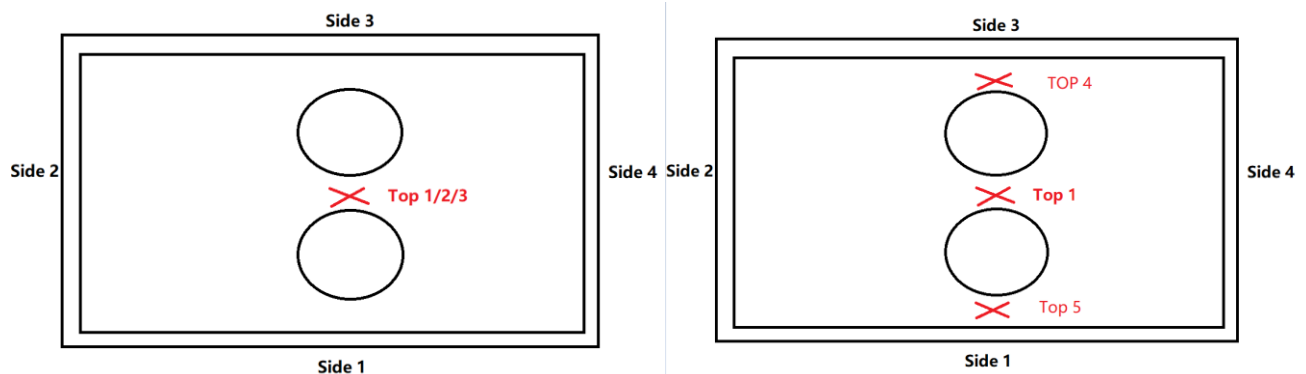
5.2.3 Simulation Load Mode

Test mode 00: Wireless Output(The load shall be set at full, half, empty load (10W/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	0.899	0.720	0.445	614 50% Limit	Pass
		2	0.462	0.357	0.244		Pass
		3	0.869	0.639	0.442		Pass
		4	0.454	0.393	0.237		Pass
	Top	1	1.658	1.244	0.647		Pass
		2	1.626	1.344	0.657		Pass
		3	1.609	1.271	0.715		Pass
		4	1.332	1.031	0.497		Pass
		5	1.284	0.995	0.532		Pass
	Top Average	1+2+3	1.569	1.331	0.637		Pass
		1+4+5	1.412	1.135	0.570		Pass
	Back		0.385	0.254	0.181		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	0.635	0.597	0.460	1.63	Pass
		2	0.326	0.329	0.238		Pass
		3	0.618	0.520	0.434		Pass
		4	0.369	0.320	0.233		Pass
	Top	1	1.024	0.919	0.813		Pass
		2	1.040	0.900	0.786		Pass
		3	1.044	0.853	0.794		Pass
		4	0.786	0.679	0.582		Pass
		5	0.772	0.690	0.602		Pass
	Top Average	1+2+3	1.011	0.866	0.734		Pass
		1+4+5	0.888	0.703	0.626		Pass
	Back		0.282	0.274	0.182		Pass
20	Top1	1	0.525	0.485	0.425	50% Limit	Pass



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Test mode 01: Mobile Phone:

Electric Field Emissions

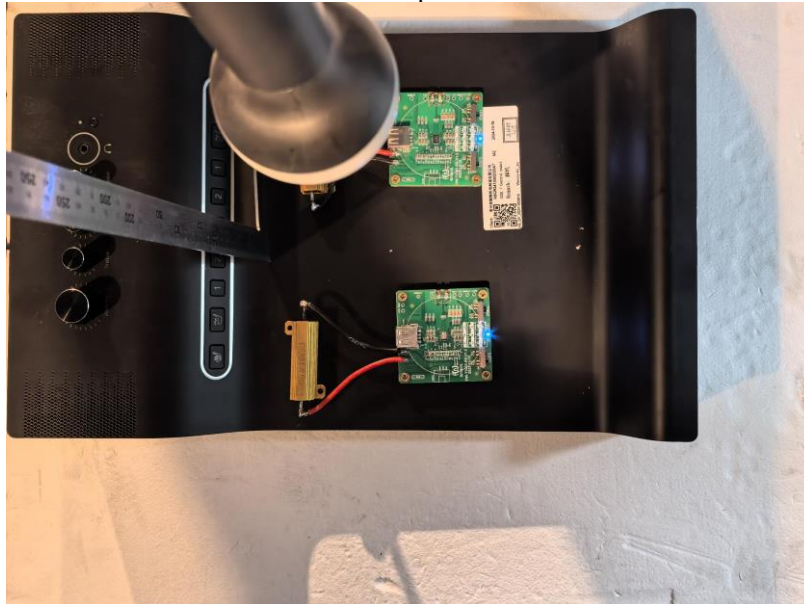
Test Distance (cm)	Test Position		Test Data (V/m)			Limit (V/m)	Result
			85%	50%	15%		
10	Side	1	0.796	0.628	0.394	614 50% Limit	Pass
		2	0.420	0.365	0.188		Pass
		3	0.905	0.630	0.450		Pass
		4	0.489	0.393	0.207		Pass
	Top	1	1.615	1.265	0.605		Pass
		2	1.570	1.235	0.679		Pass
		3	1.532	1.238	0.687		Pass
		4	1.260	0.979	0.547		Pass
		5	1.185	0.929	0.533		Pass
	Top Average	1+2+3	1.618	1.217	0.678		Pass
		1+4+5	1.387	1.072	0.600		Pass
	Back		0.401	0.266	0.138		Pass

Magnetic Field

Test Distance (cm)	Test Position		Test Data (A/m)			Limit (A/m)	Result
			85%	50%	15%		
10	Side	1	0.623	0.550	0.471	1.63	Pass
		2	0.334	0.274	0.233		Pass
		3	0.585	0.495	0.417		Pass
		4	0.319	0.335	0.230		Pass
	Top	1	0.948	0.843	0.711		Pass
		2	0.969	0.820	0.765		Pass
		3	0.985	0.777	0.760		Pass
		4	0.792	0.693	0.602		Pass
		5	0.762	0.656	0.540		Pass
	Top Average	1+2+3	0.937	0.769	0.767		Pass
		1+4+5	0.796	0.695	0.614		Pass
	Back		0.292	0.254	0.191		Pass
20	Top1	1	0.533	0.452	0.411	50% Limit	Pass

6 Test Photo

Top



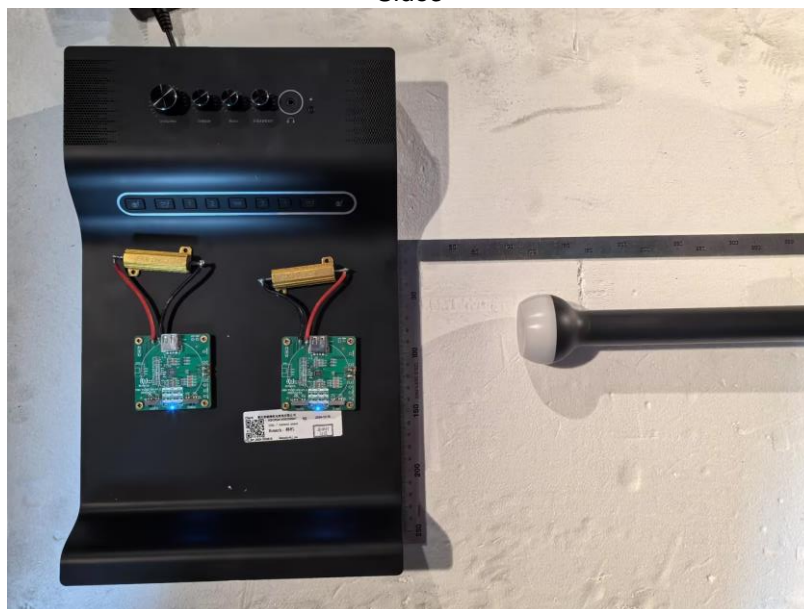
Side1



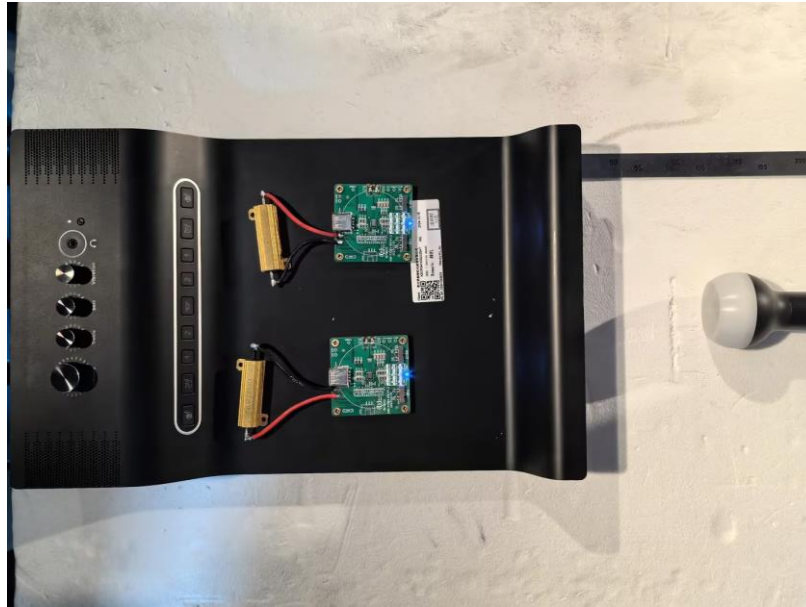
Side2



Side3



Side4



- End of the Report -