



Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

Page: 1 of 11

Human Exposure Report

Application No.: KSCR2410002129AT
FCC ID: 2APYS-LPS15WPK
Applicant: Lanto Electronic Ltd
Address of Applicant: No 399, Baisheng Road, Jinxi Town, Kunshan City, Jiangsu, China 215234
Manufacturer: Lanto Electronic Ltd
Address of Manufacturer: No 399, Baisheng Road, Jinxi Town, Kunshan City, Jiangsu, China 215234
EUT Name: Wireless Charger Module
Model No.: LPS-15WP K
Standards: 47 CFR PART 1, Subpart I, Section 1.1310
KDB 680106 D01 v04
Date of Receipt: 2024-10-28
Date of Test: 2024-11-10 to 2024-11-25
Date of Issue: 2024-11-29

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.



Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

Page: 2 of 11

Revision Record			
Version	Description	Date	Remark
00	Original	2024-11-29	/

Authorized for issue by:				
Tested By				
		Eric Liu /Project Engineer		
Approved By				
		Terry Hou /Reviewer		



Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

Page: 3 of 11

2 Contents

	Page
1 COVER PAGE	1
2 Contents	3
3 General Information.....	4
3.1 Details of E.U.T.	4
3.2 Description of Support Units	4
3.3 Description of Product installation location	4
3.4 Test Location.....	5
3.5 Test Facility	5
3.6 Deviation from Standards.....	5
3.7 Abnormalities from Standard Conditions	5
4 Equipments Used during Test.....	6
5 RF Exposure Test Results	7
5.1 Operating Environment	7
5.2 EUT Operation	7
5.3 Test Data and Field Estimated.....	8
5.3.1 Test Data using Dummy Load.....	8
6 Test photos.....	9

3 General Information

3.1 Details of E.U.T.

WPC

Power supply:	DC 20V by adapter Model: ADL230SCC3A Input: 100~240V~ 50/60Hz Output: DC 20.0V, 15.0A
Test Voltage:	AC 120V/60Hz
Operation frequency:	110-148kHz
Modulation type:	Load modulation
Antenna type:	Coil Antenna
Wireless Output Power:	15W Max.

3.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Load	--	--	--

3.3 Description of Product installation location

The device typical is desktop applications. We test all four sides and the top of the device at a test distance of 15cm.

Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

Page: 5 of 11

3.4 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.

3.5 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.

3.6 Deviation from Standards

None

3.7 Abnormalities from Standard Conditions

None

Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

Page: 6 of 11

4 Equipments Used during Test

Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal date	Cal. Due date
1	Electromagnetic Field Probe	SPEAG	MAGPy-DAS	KSES503103	2024-02-22	2025-02-21
2	3m Semi-Anechoic Chamber	ST	N/A	KSEM078-2	2023-07-20	2026-07-19
3	Test Software	SPEAG	MAGPy V2.6.0	N/A	N/A	N/A

5 RF Exposure Test Results

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

Measurement Distance: 15cm

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
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(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).				

5.1 Operating Environment

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

5.2 EUT Operation

This device has been charge at zero charge, intermediate charge, and full charge. The Maximum value has been recorded in the below table

Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

Page: 8 of 11

5.3 Test Data and Field Estimated

5.3.1 Test Data using Dummy Load

M1	Transfer Zones Charging_ The load shall be set at full load 15W respectively.
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Magnetic Field:

Test Distance	Test Position	Measure Result (A/m)	Limit (A/m)	50% Limit (A/m)	Verdict
15cm	Side1	0.11	1.63	0.815	PASS
	Side2	0.13	1.63	0.815	PASS
	Side3	0.06	1.63	0.815	PASS
	Side4	0.15	1.63	0.815	PASS
	Top	0.68	1.63	0.815	PASS
	Bottom	0.25	1.63	0.815	PASS

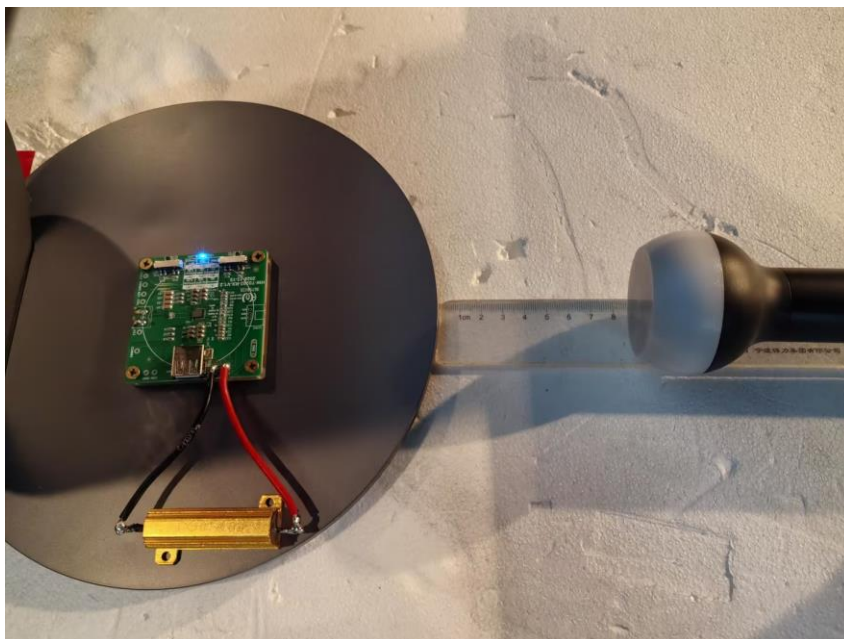
Electric Field:

Test Distance	Test Position	Measure Result (V/m)	Limit (V/m)	50% Limit (V/m)	Verdict
15cm	Side1	0.71	614	307	PASS
	Side2	0.66	614	307	PASS
	Side3	0.29	614	307	PASS
	Side4	0.71	614	307	PASS
	Top	2.72	614	307	PASS
	Bottom	0.43	614	307	PASS

6 Test photos



Top side



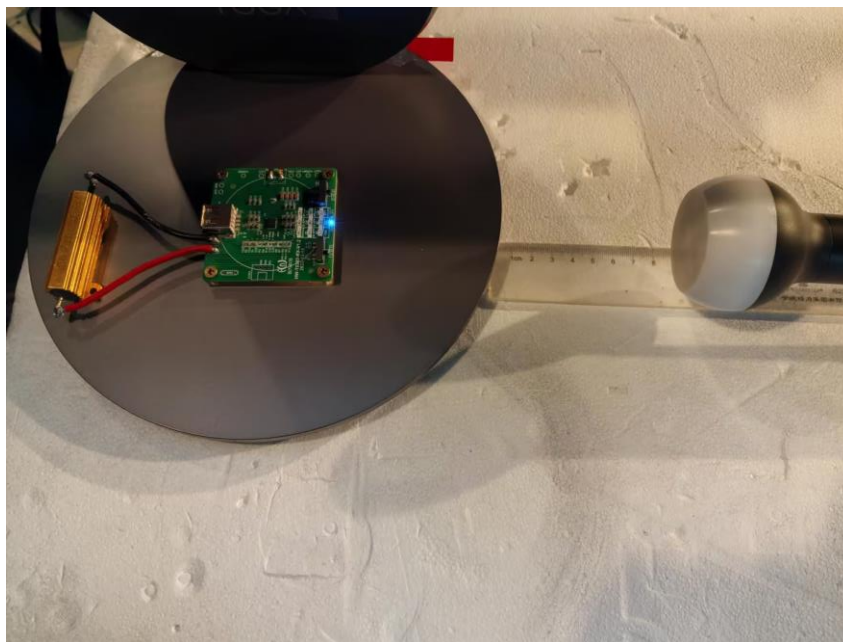
Side1

Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR241000212902

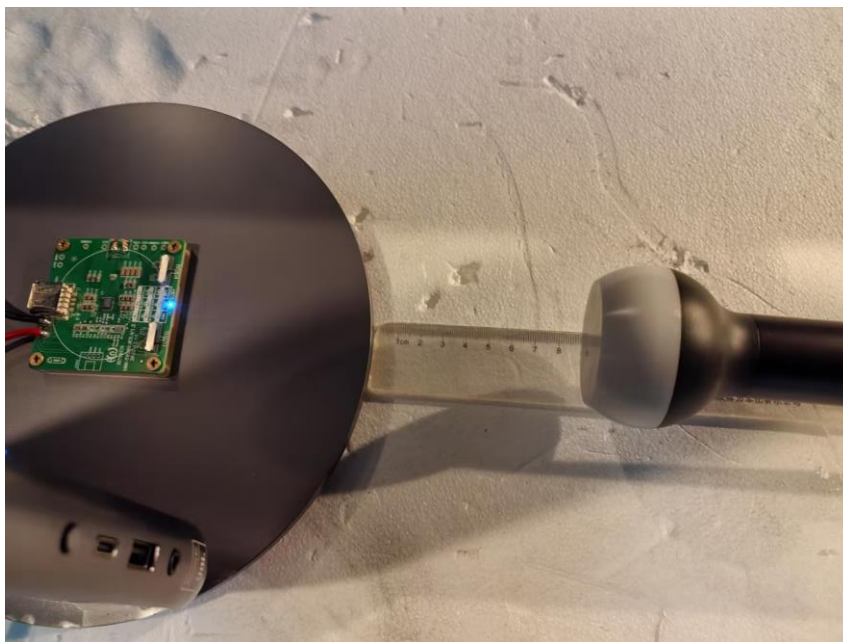
Page: 10 of 11



Side2



Side3



Side4

- End of the Report -