

TEST REPORT

Report No.: 8428EU010318W2

Applicant: Adam Elements International Co., LTD.

Address: 8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist.,
Taipei City 106, Taiwan

Product Name: Qi2 25W Car Mount Charger

Model No.: CQ2 Plus

Trademark:  ADAM

FCC ID: 2ABY9CQ2PLUS

Test Standard(s): 47 CFR Part 1 Subpart I Section 1.1310
47 CFR Part 2, Subpart J, Section 2.1091

Test Result: Pass

Date of Receipt: Feb. 03, 2026

Test Date: Feb. 04, 2026 – Mar. 18, 2026

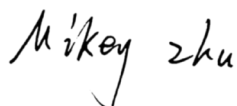
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ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED



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Revision Record

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2 General Information

2.1 Applicant Information

Applicant	Adam Elements International Co., LTD.
Address	8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City 106, Taiwan

2.2 Manufacturer Information

Manufacturer	Adam Elements International Co., LTD.
Address	8F.-5, No. 148, Sec. 4, Zhongxiao E. Rd., Da'an Dist., Taipei City 106, Taiwan

2.3 Factory Information

Factory	Dongguan Megix Technology Co.,Ltd
Address	2/F, Building 1, No.14, Mingzhu Street, Shima Community, Tangxia Town, Dongguan City, Guangdong Province, China

2.4 General Description of E.U.T.

Product Name	Qi2 25W Car Mount Charger
Model No. Under Test	CQ2 Plus
List Model No.	N/A
Description of Model differentiation	N/A
Rating(s)	Input: 5V---3A, 9V---3A, 12V---3A, 15V---2.4A Output: 5W/7.5W/10W/15W for 110.1-205 KHz; 25W for 359.8 KHz
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Test Sample No.	-1/2(Normal Sample), -2/2(Engineering Sample)
Hardware Version	N/A
Software Version	N/A
Remark	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.5 Technical Information of E.U.T.

Network and Wireless Connectivity	Wireless Power Transfer (WPT)
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The requirement for the following technical information of the EUT was tested in this report:

Technology	WPT
Operating Frequency	110.1-205 KHz 359.8 KHz
Modulation Type	FSK
Antenna Type	Inductive Loop Coil Antenna
Antenna Gain(Peak)	0 dBi
Remark	The above information are declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant.

3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

No.	Identity	Document Title
1	47 CFR Part 1 Subpart I Section 1.1310	Radio frequency radiation exposure limits.
2	47 CFR Part 2, Subpart J, Section 2.1091	Radiofrequency radiation exposure evaluation: mobile devices
3	KDB 680106 D01v04	RF exposure consideration for low power consumer wireless power transfer applications.

Remark:

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

3.2 Test Verdict

No.	Description	FCC Part No.	Verdict	Remark
1	RF Exposure Evaluation	FCC 1.1310 FCC 2.1091 KDB 680106 D01 Wireless Power Transfer v04	Pass	--

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited
Address	101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China
Designation Number	CN1368
Test Firm Registration Number	952583

4 Test Configuration

4.1 Test Environment

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	30% to 60%	
Atmospheric Pressure	86 kPa to 106 kPa	
Temperature	NT (Normal Temperature)	+15°C to +35°C
Working Voltage of the EUT	NV (Normal Voltage)	120 VAC, 60Hz for adapter

4.2 Test Equipment

Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
Electric and Magnetic Field Probe - Analyzer	Narda	EHP-200A	EE-405	2026/02/13	2027/02/12

4.3 Description of Support Unit

No.	Title	Manufacturer	Model No.	Serial No.
1	Adapter	UGREEN	CD289	EMC-PJ-054
2	12V Battery	CHILWEE	6-DZF-12.2	EMC-PJ-031
3	Wireless Charging Load	YBZ	ID-ZWX	EMC-PJ-050

4.4 Test Mode

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned below was evaluated respectively.

No.	Description	Remark
TM1	Adapter + Wireless Output (5W)	
TM2	Adapter + Wireless Output (7.5W)	
TM3	Adapter + Wireless Output (10W)	
TM4	Adapter + Wireless Output (15W)	
TM5	Adapter + Wireless Output (25W)	Record
TM6	Standby	

Note:

1. EUT supports empty load, half load, full load working at the same time, so the all conditions have been tested. It is found that TM5 full load is the worst mode, and the data in the report only reflects the worst mode.

4.5 Measurement Uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Test Item	Measurement Uncertainty
Magnetic field measurements(3kHz~10MHz)	$\pm 14.6\%$
Electric field measurements(3kHz~10MHz)	$\pm 17.3\%$

5 Test Methodology

5.1 Reference Evaluation Method

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

Table 1 to §1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)

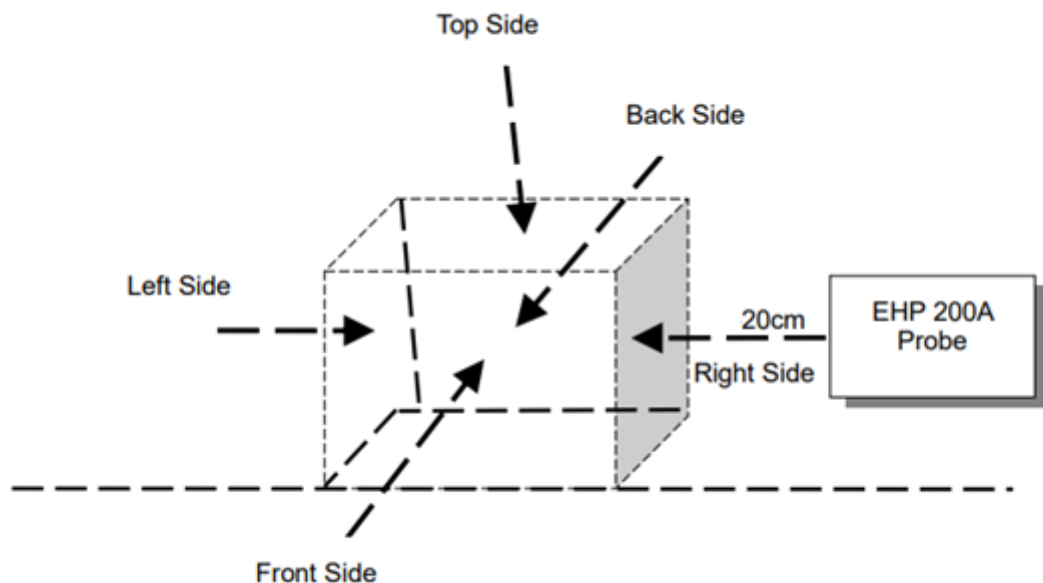
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	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 Test Setup



Note: Measurements should be made from all sides and the top of the primary/client pair, with the 20cm measured from the center of the probe(s) to the edge of the device.

- 1) The RF exposure test was performed in anechoic chamber.
- 2) The measurement probe was placed at test distance (20cm) 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, F) were completed.
- 4) The EUT was measured according to the dictates of KDB 680106 D01 v04.

5.3 Evaluation Result

Test Condition: Test Mode 5 operating with client device (1% battery status of client device)

Test Position	E-field (V/m)		H-field (A/m)	
	Measurement	Limit	Measurement	Limit
Top	4.3988	614	0.1720	1.63
Bottom	4.4746		0.1712	
Front	2.0422		0.0448	
Rear	3.3874		0.2136	
Left	3.4856		0.0624	
Right	2.2198		0.0224	

Test Condition: Test Mode 5 operating with client device (50% battery status of client device)

Test Position	E-field (V/m)		H-field (A/m)	
	Measurement	Limit	Measurement	Limit
Top	4.5154	614	0.0976	1.63
Bottom	3.9981		0.0192	
Front	2.1993		0.2008	
Rear	3.3677		0.0440	
Left	2.2130		0.0912	
Right	3.7641		0.1872	

Test Condition: Test Mode 5 operating with client device (99% battery status of client device)

Test Position	E-field (V/m)		H-field (A/m)	
	Measurement	Limit	Measurement	Limit
Top	5.9463	614	0.0432	1.63
Bottom	4.7699		0.0616	
Front	1.0256		0.2024	
Rear	3.3972		0.0448	
Left	3.1980		0.0592	
Right	3.5676		0.1968	

Note: E-Field Strength and H-Field Strength strengths at a distance of 20 cm from the periphery and top of the EUT.

ANNEX A TEST SETUP PHOTOS

PHOTO 1

Test Position: Top



STATEMENT

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