TEST REPORT

Report No.:	8327EU121802W2
Applicant:	TELEPHONE EST (HK) CO., LTD
Address:	Room709,7F, FuLi tianhe commercial building,Linhe East Road and tianhe district, Guangzhou, China
Product Name:	15W Wireless Charging Car Mount with Flexible Dash
Model No.:	2MNCM1004 (refer to clause 2.4)
Trademark:	N/A
FCC ID:	2ACE5-MN1004
Test Standard(s):	47 CFR Part 1 Subpart I Section 1.1310 47 CFR Part 2, Subpart J, Section 2.1091
Date of Receipt:	Feb. 18, 2025
Test Date:	Feb. 18, 2025 – Feb. 27, 2025
Date of Issue:	Mar. 03, 2025

ISSUED BY:

SHENZHEN EU TESTING LABORATORY LIMITED

SHENZHEN EU TESTING LABORATORY LIMITED APPROVED

Prepared by:	**Reviewed and Approved by:**
Mikey Zhu/ Engineer	Sally Zhang/ Manager

Revision Record

Report Version	Issued Date	Description	Status
V0	Mar. 03, 2025	Original	Valid

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2 General Information

2.1 Applicant Information

Applicant	TELEPHONE EST (HK) CO., LTD
Address	Room709,7F, FuLi tianhe commercial building,Linhe East Road and tianhe district, Guangzhou, China

2.2 Manufacturer Information

Manufacturer	Telephone Est Electronics Factory (Zhong Shan)
Address	4th floor, No. 11, 1st Street, Wencheng West Road, Jixi Community, Xiaolan Town, Zhongshan City, Guangdong, China

2.3 Factory Information

Factory	Telephone Est Electronics Factory (Zhong Shan)
Address	4th floor, No. 11, 1st Street, Wencheng West Road, Jixi Community, Xiaolan Town, Zhongshan City, Guangdong, China

2.4 General Description of E.U.T.

Product Name	15W Wireless Charging Car Mount with Flexible Dash
Model No. Under Test	2MNCM1004
List Model No.	2MNCM1004-BLK-T2
Description of Model differentiation	All models are same with electrical parameters and internal circuit structure, but only differ in appearance color and model name. (this information provided by the customer)
Rating(s)	Input: 5V⎓2A/9V⎓2A Wireless charging power: 15W Max.
Product Type	☒ Mobile ☐ Portable ☐ Fix Location
Test Sample No.	-1/2(Normal Sample), -2/2(Engineering Sample)
Hardware Version	V1.0
Software Version	V1.0
Remark	1) The above information are declared by the applicant, EU-LAB is not responsible for the information accuracy provided by the applicant. 2) 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)

The requirement for the following technical information of the EUT was tested in this report:

Technology	**WPT**
Operating Frequency	110.5 - 205KHz
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℃ to +35℃
Working Voltage of the EUT	NV (Normal Voltage)	AC 120V/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	2025/02/14	2026/02/13

4.3 Test Mode

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base 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 bellow was evaluated respectively.

No.	Description	Remark
TM1	Wireless Output (5W) + Empty Load	
TM2	Wireless Output (5W) + Half Load	
TM3	Wireless Output (5W) + Full Load	
TM4	Wireless Output (7.5W) + Empty Load	
TM5	Wireless Output (7.5W) + Half Load	
TM6	Wireless Output (7.5W) + Full Load	
TM7	Wireless Output (10W) + Empty Load	
TM8	Wireless Output (10W) + Half Load	
TM9	Wireless Output (10W) + Full Load	
TM10	Wireless Output (15W) + Empty Load	
TM11	Wireless Output (15W) + Half Load	
TM12	Wireless Output (15W) + Full Load	Record
TM13	Standby	

Note:
1. All the conditions have been tested. It is found that TM12 is the worst mode, and the data in the report only reflects the worst mode.

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4.4 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)	±14.6%
Electric field measurements(3kHz~10MHz)	±17.3%

5 RF Exposure Evaluation

5.1 Test Requirement

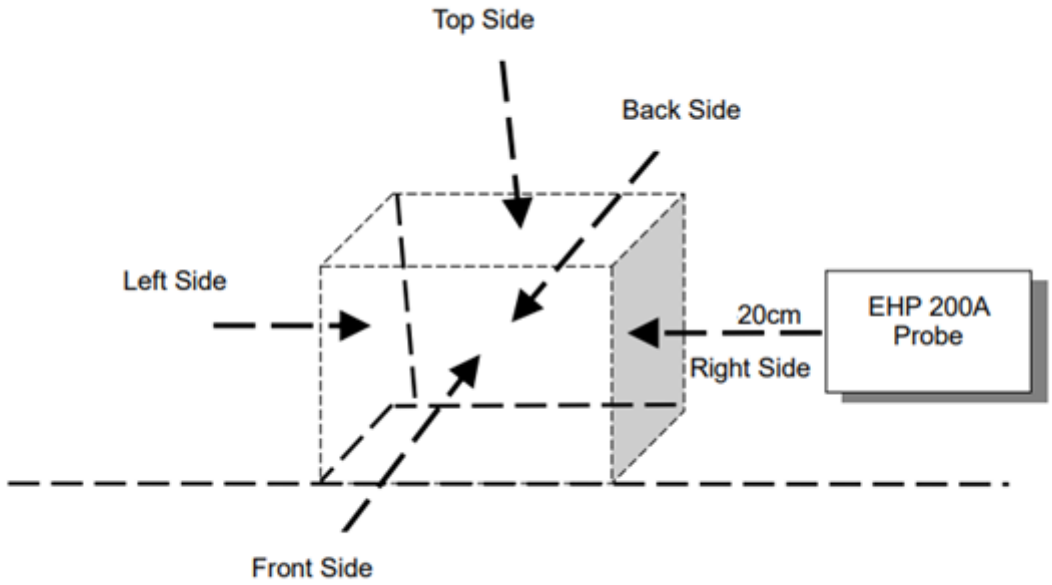
§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

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.

5.1 Evaluation Result

Test Condition: Test Mode 12 operating with client device (1% battery status of client device)

Test Position	E-field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Top	5.245	614	0.84%	0.0780	1.63	14.10%
Bottom	5.089			0.2948		
Front	2.980			0.1739		
Rear	3.184			0.1568		
Left	2.245			0.2250		
Right	2.336			0.1986		

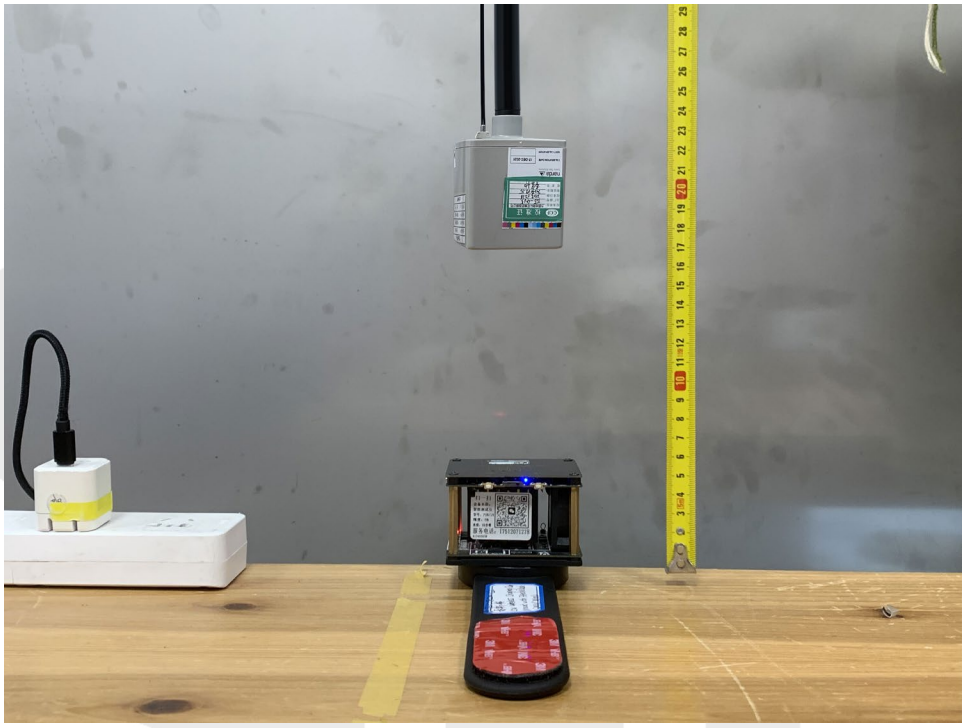
Test Condition: Test Mode 12 operating with client device (50% battery status of client device)

Test Position	E-field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Top	5.722	614	0.80%	0.0622	1.63	13.84%
Bottom	4.363			0.2357		
Front	1.616			0.1388		
Rear	2.533			0.1254		
Left	1.421			0.1805		
Right	3.987			0.1581		

Test Condition: Test Mode 12 operating with client device (99% battery status of client device)

Test Position	E-field (V/m)			H-field (A/m)		
	Measurement	Limit	Max. Percentage (%)	Measurement	Limit	Max. Percentage (%)
Top	4.165	614	0.82%	0.2631	1.63	20.60%
Bottom	4.976			0.2025		
Front	3.174			0.0656		
Rear	4.311			0.2270		
Left	3.205			0.1514		
Right	3.987			0.1323		

ANNEX A TEST SETUP PHOTOS

PHOTO 1	

STATEMENT

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4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the “inspection and testing dedicated stamp” or test report stamp.
5. The test data and results are only valid for the tested samples provided by the customer.
6. This report shall not be partially reproduced without the written permission of the laboratory.
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--- End of Report ---

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