

TEST REPORT

Reference No..... : WTX21X10111405W-2
FCC ID : A4X-WPC10-1LCNA
Applicant : CE LINK LIMITED
Address..... : Building M,LiCheng Technology Industrial Zone,GongHe Village,Shajing
Town,ShenZhen City,China
Product Name : Magnetic Wireless Charger
Test Model. : WPC10-1LCNA
Standards : KDB 680106 D01 V03
Date of Receipt sample : Oct 19, 2021
Date of Test..... : Oct 19, 2021 to Nov. 05, 2021
Date of Issue : Nov. 05, 2021
Test Result..... : **Pass**

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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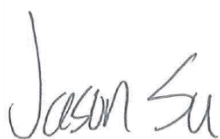
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Report version

Version No.	Date of issue	Description
Rev.00	Nov. 05, 2021	Original
/	/	/

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: CE LINK LIMITED
 Address of applicant: Building M, LiCheng Technology Industrial Zone, GongHe Village, ShaJing Town, ShenZhen City, China

Manufacturer: ANFU CE LINK LIMITED
 Address of manufacturer: Anfu County Industrial Zone, Ji'an city, Jiangxi Province, P.R. China

Factory 1: SuiChuan CE LINK LIMITED
 Address of factory: SuiChuan county industrial park east zone, Ji'an city, Jiangxi province, China.

Factory 2: CE LINK VIET NAM COMPANY LIMITED.
 Address of factory: Lot CNSG04&CNSG06 Van Trung Industrial Zone, Viet Yen district, Bac Giang Province, Vietnam

General Description of EUT	
Product Name:	Magnetic Wireless Charger
Trade Name:	CE-LINK, powerlot
Model No.:	WPC10-1LCNA
Adding Model(s):	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	110~205KHz
Power adapter	/
Antenna Type:	Coil Antenna
Modulation Type:	ASK
Rated Voltage:	Input: DC5V/DC9V Output: DC5V/DC9V
Rated Current:	Input: 2A Output: 1A/1.1A
Rated Power:	Output: 5W/7.5W/10W

1.2 Test Equipment List and Details

Description	Manufacturer	Model	Serial No.	Cal Date	Due Date
ELECTRIC AND MAGNETIC FIELD ANALYZER	Narda	EHP-200AC	180ZX10226	2021-05-20	2024-05-19

EUT Cable List and Details

Description	Manufacturer	Model	Serial Number
USB-C Cable	1.55	Shielded	Without Ferrite

Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
Adapter	4DKanKan	PN453C	/
wireless charging load	YBZ	YBZ wireless charging tester	/

Special Cable List and Details

Description	Manufacturer	Model	Serial Number
/	/	/	/

2. RF Exposure Test Report

2.1 Standard Applicable

According to § 1.1310 system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

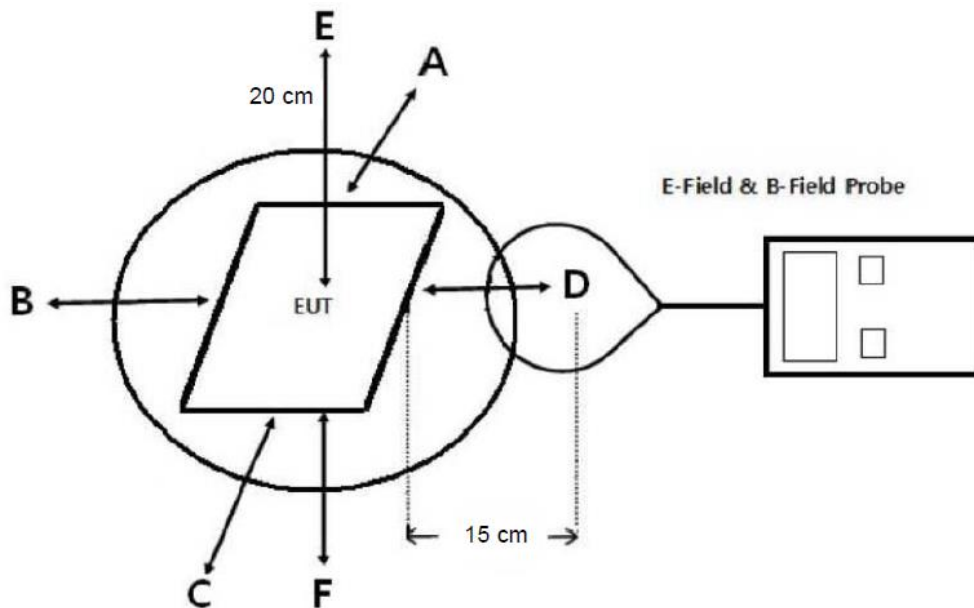
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	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
300-1,500			f/1500	30
1,500-100,000			1.0	30

f = frequency in MHz * = Plane-wave equivalent power density

2.2 Test Conditions

Test Mode	Description	Remark
TM1	Wireless Charging	Input DC5V/2A; Output:DC5V/1A
TM2	Wireless Charging	Input DC9V2A; Output DC9V1.1A
Measurement Distance:		
15 cm and 20 cm		

2.3 Test Procedure



- The measurement probe was placed at test distance (15 cm for A, B, C, D, F and 20 cm for E) which is between the edge of the charger and the geometric center of probe.
- The highest emission level was recorded at the measurement points (A, B, C, D, E, F).
- The EUT was measured according to the distance of KDB 680106 D01 V03.

2.4 Test Result

The EUT complies with item 5.2 of KDB 680106 D01V03

- Power transfer frequency is less than 1 MHz
Yes, the device operates in the frequency range from 110 kHz to 205 kHz.
- Output power from each primary coil is less than or equal to 15 watts
Yes, the maximum output power of the primary coil is less than 15 W.
- The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
Yes, the client device includes only single primary coils.
- Client device is inserted in or placed directly in contact with the transmitter
Yes, Client device is placed directly in contact with the transmitter.
- Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

Yes, It is mobile exposure conditions only.

6. The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Yes, The EUT field strength levels are less than 50% of the MPE limit, refer to test TM1, TM2 list, and the coils can't transmitted simultaneous.

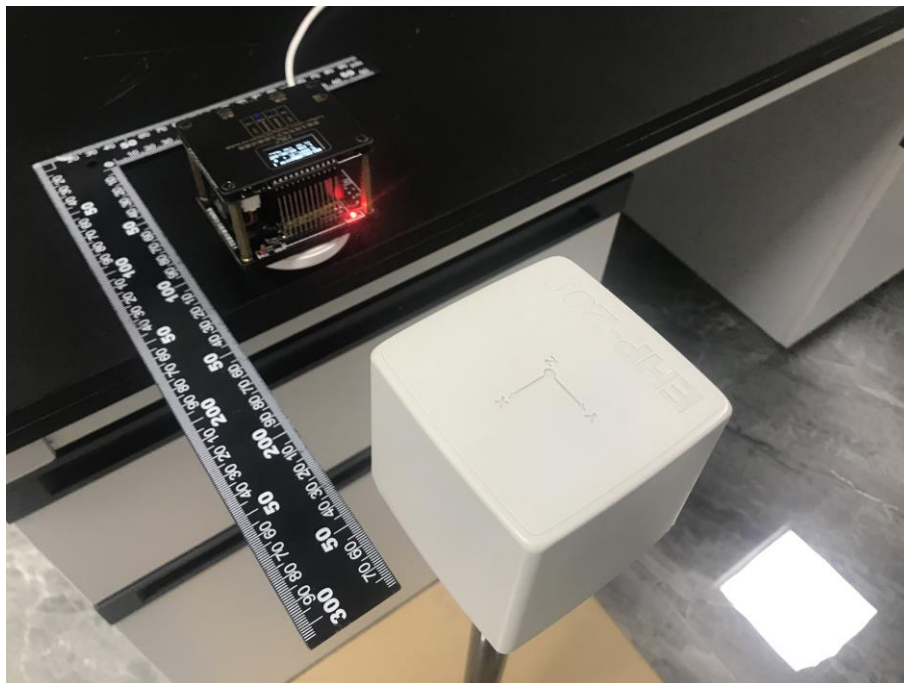
Test Mode: TM1

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Point E	0.2817	614	307
Point F	0.2624	614	307
Point A	0.2954	614	307
Point B	0.2756	614	307
Point C	0.2874	614	307
Point D	0.2736	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Point E	0.2095	1.63	0.815
Point F	0.2041	1.63	0.815
Point A	0.2157	1.63	0.815
Point B	0.2017	1.63	0.815
Point C	0.2153	1.63	0.815
Point D	0.2147	1.63	0.815

Test Mode: TM2

Electric Field Emissions			
Test Position	Measure Value (V/m)	Limit(V/m)	50% Limit (V/m)
Point E	0.2753	614	307
Point F	0.2658	614	307
Point A	0.2565	614	307
Point B	0.2865	614	307
Point C	0.2742	614	307
Point D	0.2631	614	307
Magnetic Field Emissions			
Test Position	Measure Value (A/m)	Limit(A/m)	50% Limit (A/m)
Point E	0.3607	1.63	0.815
Point F	0.3541	1.63	0.815
Point A	0.3627	1.63	0.815
Point B	0.3657	1.63	0.815
Point C	0.3564	1.63	0.815
Point D	0.3621	1.63	0.815

2.5 Test Photos



APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

******* END OF REPORT *******