

# TEST REPORT

**Reference No.**..... : WTX22X03046854W-2  
**FCC ID** ..... : A4X18PNCWPC10  
**Applicant** ..... : CE LINK LIMITED  
**Address** ..... : 22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong Province, China.  
**Manufacturer** ..... : SuiChuan CE LINK LIMITED  
**Address** ..... : SuiChuan county industrial park east zone, Ji'an city, Jiangxi province, China.  
**Product Name** ..... : Magnetic Wireless Charger with Power Bank  
**Model No.**..... : PC1P18PNC-WPC10  
**Standards** ..... : KDB 680106 D01 V03  
**Date of Receipt sample** .... : 2022-03-17  
**Date of Test**..... : 2022-03-17 to 2022-04-11  
**Date of Issue** ..... : 2022-04-11  
**Test Report Form No.** ..... : WTX\_KDB 680106 D01 V03W  
**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 approver.

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**Report version**

Version No.	Date of issue	Description
Rev.00	2022-04-11	Original
/	/	/

## 1. GENERAL INFORMATION

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### 1.1 Product Description for Equipment Under Test (EUT)

#### Client Information

Factory name: CE LINK VIET NAM COMPANY LIMITED  
 Factory address: Lot CNSG04&CNSG06 Van Trung Industrial Zone, Viet Yen district, Bac Giang Province, Vietnam

General Description of EUT	
Product Name:	Magnetic Wireless Charger with Power Bank
Trade Name:	CE-LINK
Model No.:	PC1P18PNC-WPC10
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
Modulation Type:	FSK
Antenna Type:	Coil Antenna
Antenna Gain	0dBi
Rated Voltage:	Battery Capacity: 4000mAh(14.8Wh) Type C Input: 5V 3A, 9V 1.67A Type C output: 5V 3A, 9V 2A Wireless Charger: 5W/7.5W/10W Total Output: 18W Max
Rated Current:	Input : 3A/ 1.67A Output : 3A/ 2A
Rated Power:	Wireless Output : 5W, 7.5W, 10W

## 1.2 Auxiliary Equipment List and Details

### EUT Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
/	/	/	/

### Auxiliary Equipment List and Details

Description	Manufacturer	Model	Serial Number
Adapter	GaN2 Pro	CCDAN65C2	/
Wireless Charging Load	YBZ	YBZ wireless charging tester	/

### Special Cable List and Details

Cable Description	Length (M)	Shielded/Unshielded	With Core/Without Core
USB Cable	1.02	Unshielded	Without Ferrite

**1.3 Test Equipment List and Details**

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

## 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)

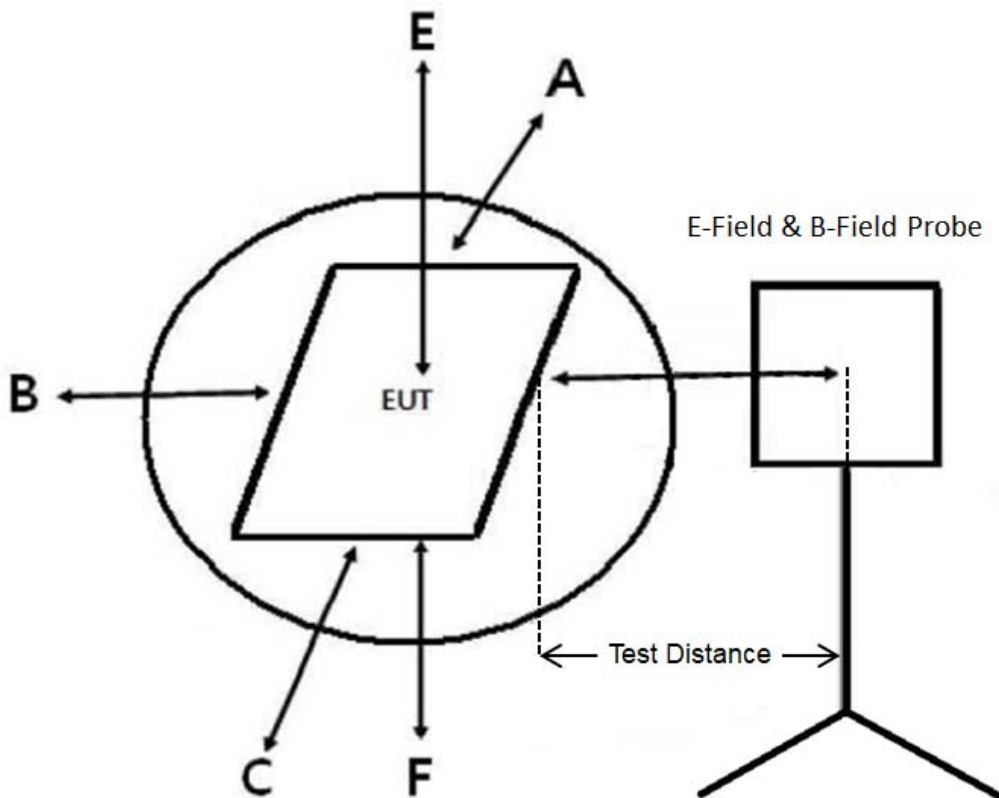
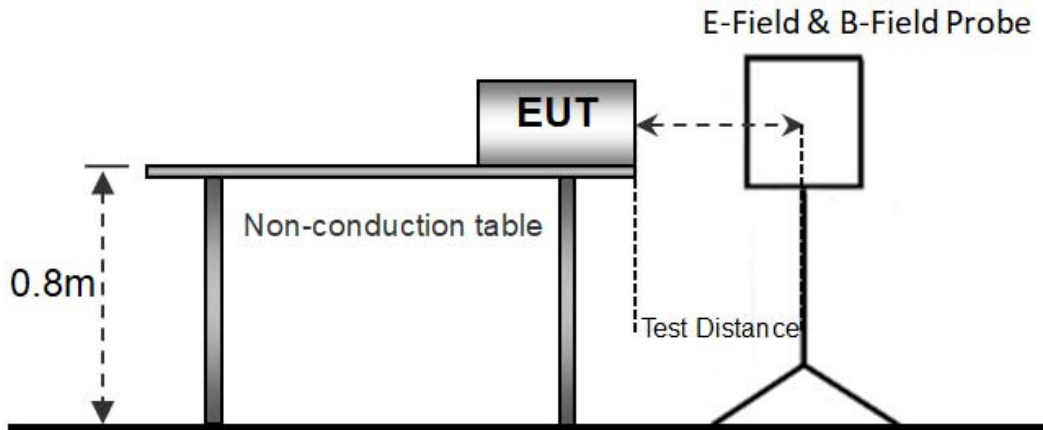
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm <sup>2</sup> )	Averaging time (minutes)
<b>(A) Limits for Occupational/Controlled Exposure</b>				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f <sup>2</sup>	6
30-300	61.4	0.163	1.0	6
300-1,500			f/300	6
1,500-100,000			5	6
<b>(B) Limits for General Population/Uncontrolled Exposure</b>				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f <sup>2</sup>	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 : 5V/3A, 9V1.67A Wireless Output : 5W
TM2	Wireless Charging	Input : 5V/3A, 9V1.67A Wireless Output : 10W
AC Adapter: Charging mode(full load) by AC adapter Battery: Charging mode(full load) by battery  Note: For test AC Adapter, the device is designed for desktop, the test should be performed on each points (only A, B, C, D, E) at test distance (15 cm). For test by Battery, the device is designed for portable, the test should be performed on each points (A, B, C, D, E, F) at test distance (0 and 15cm).		
<b>Measurement Distance:</b>	0cm, 15 cm and 20 cm	

### 2.3 Test Procedure



- The measurement probe was placed at test distance(15 cm/0cm for A,B,C,D,F and 20 cm/0cm 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

1. Power transfer frequency is less than 1 MHz  
Yes, the device operates in the frequency range from 110kHz to 205kHz.
2. 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 15W.
3. 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.
4. Client device is inserted in or placed directly in contact with the transmitter  
Yes, Client device is placed directly in contact with the transmitter.
5. Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).  
No, It is portable exposure conditions.
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 be transmitted simultaneously.

AC Adapter

Test Mode: TM1

Test distance (15 cm):

<b>Electric Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (V/m)</b>	<b>Limit(V/m)</b>	<b>25% Limit (V/m)</b>
Point E	3.1240	614	153.5
Point F	2.0134	614	153.5
Point A	1.0124	614	153.5
Point B	1.0245	614	153.5
Point C	2.0034	614	153.5
Point D	0.9874	614	153.5
<b>Magnetic Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (A/m)</b>	<b>Limit(A/m)</b>	<b>25% Limit (A/m)</b>
Point E	0.3001	1.63	0.4075
Point F	0.2115	1.63	0.4075
Point A	0.2003	1.63	0.4075
Point B	0.1590	1.63	0.4075
Point C	0.1092	1.63	0.4075
Point D	0.3489	1.63	0.4075

Test Mode: TM2

Test distance (15 cm):

<b>Electric Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (V/m)</b>	<b>Limit(V/m)</b>	<b>25% Limit (V/m)</b>
Point E	4.0315	614	153.5
Point F	2.3616	614	153.5
Point A	1.0368	614	153.5
Point B	2.0365	614	153.5
Point C	3.0231	614	153.5
Point D	1.0026	614	153.5
<b>Magnetic Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (A/m)</b>	<b>Limit(A/m)</b>	<b>25% Limit (A/m)</b>
Point E	0.3235	1.63	0.4075
Point F	0.1203	1.63	0.4075
Point A	0.1169	1.63	0.4075
Point B	0.0093	1.63	0.4075
Point C	0.1036	1.63	0.4075
Point D	0.2068	1.63	0.4075

Battery

Test Mode: TM1

Test distance (0 cm)

<b>Electric Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (V/m)</b>	<b>Limit(V/m)</b>	<b>25% Limit (V/m)</b>
Point E	4.5466	614	153.5
Point F	1.3652	614	153.5
Point A	1.0029	614	153.5
Point B	3.0002	614	153.5
Point C	4.0265	614	153.5
Point D	2.3695	614	153.5
<b>Magnetic Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (A/m)</b>	<b>Limit(A/m)</b>	<b>25% Limit (A/m)</b>
Point E	0.3095	1.63	0.4075
Point F	0.2103	1.63	0.4075
Point A	0.3604	1.63	0.4075
Point B	0.1235	1.63	0.4075
Point C	0.0084	1.63	0.4075
Point D	0.1964	1.63	0.4075

Test Mode: TM2

Test distance (0 cm)

<b>Electric Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (V/m)</b>	<b>Limit(V/m)</b>	<b>25% Limit (V/m)</b>
Point E	6.4596	614	153.5
Point F	4.5660	614	153.5
Point A	3.0650	614	153.5
Point B	1.0684	614	153.5
Point C	2.6874	614	153.5
Point D	3.3364	614	153.5
<b>Magnetic Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (A/m)</b>	<b>Limit(A/m)</b>	<b>25% Limit (A/m)</b>
Point E	0.4009	1.63	0.4075
Point F	0.3150	1.63	0.4075
Point A	0.0254	1.63	0.4075
Point B	0.1698	1.63	0.4075
Point C	0.2695	1.63	0.4075
Point D	0.3025	1.63	0.4075

For test TM1

Test distance (15 cm)

<b>Electric Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (V/m)</b>	<b>Limit(V/m)</b>	<b>25% Limit (V/m)</b>
Point E	5.1241	614	153.5
Point F	3.1520	614	153.5
Point A	4.0023	614	153.5
Point B	2.0651	614	153.5
Point C	1.0063	614	153.5
Point D	2.5540	614	153.5
<b>Magnetic Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (A/m)</b>	<b>Limit(A/m)</b>	<b>25% Limit (A/m)</b>
Point E	0.3046	1.63	0.4075
Point F	0.2124	1.63	0.4075
Point A	0.0024	1.63	0.4075
Point B	0.1112	1.63	0.4075
Point C	0.2220	1.63	0.4075
Point D	0.1340	1.63	0.4075

For test TM2



Test distance (15 cm)

<b>Electric Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (V/m)</b>	<b>Limit(V/m)</b>	<b>25% Limit (V/m)</b>
Point E	4.3120	614	153.5
Point F	3.2011	614	153.5
Point A	2.5640	614	153.5
Point B	0.3451	614	153.5
Point C	1.6384	614	153.5
Point D	3.4521	614	153.5
<b>Magnetic Field Emissions</b>			
<b>Test Position</b>	<b>Measure Value (A/m)</b>	<b>Limit(A/m)</b>	<b>25% Limit (A/m)</b>
Point E	0.2984	1.63	0.4075
Point F	0.1524	1.63	0.4075
Point A	0.0054	1.63	0.4075
Point B	0.3586	1.63	0.4075
Point C	0.1205	1.63	0.4075
Point D	0.2031	1.63	0.4075

**2.5 Measurement Uncertainty**

<b>Measurement uncertainty</b>		
<b>Parameter</b>	<b>Conditions</b>	<b>Uncertainty</b>
Electric Field Emissions	Radiated	$\pm 1.56$ (V/m)
Magnetic Field Emissions	Radiated	$\pm 0.08$ (A/m)

2.6 Test Photos

<p>AC Adapter</p>	
<p>Battery-0cm</p>	



## **APPENDIX PHOTOGRAPHS**

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**Please refer to “ANNEX”**

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