

# FCC PART 15C TEST REPORT FOR CERTIFICATION On Behalf of

CE LINK LIMITED

Wireless Charging Pad

Model Number: WPC15-1TJNC

Additional Model: B0872RLX6Z

FCC ID: A4X-WPC15-1TJNC

Applicant:	CE LINK LIMITED
Address:	22 Dongkang Road, Dalingshan Town, Dongguan City,
	Guangdong Province, China
Prepared By:	EST Technology Co., Ltd.
	Chilingxiang, Qishantou, Santun, Houjie, Dongguan, Guangdong, China
	Tel: 86-769-83081888-808

Report Number:	ESTE-R2410195
Date of Test:	Sep. 28, 2024~ Oct. 28, 2024
Date of Report:	Oct. 31, 2024

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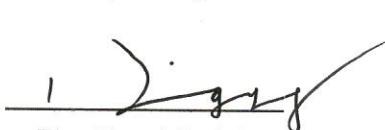
<b>Applicant:</b>	CE LINK LIMITED		
<b>Address:</b>	22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong Province, China		
<b>Manufacturer:</b>	CE LINK LIMITED		
<b>Address:</b>	22 Dongkang Road, Dalingshan Town, Dongguan City, Guangdong Province, China		
<b>Factory 1:</b>	SuiChuan CE LINK LIMITED SuiChuan county industrial park east zone, Ji'an city, Jiangxi province, China.		
<b>Factory 2:</b>	CE LINK VIET NAM COMPANY LIMITED. Part of lots CNSG-04, CNSG-06 Van Trung Industrial Zone, Van Trung Ward, Viet Yen Town, Bac Giang Province, Vietnam		
<b>E.U.T:</b>	Wireless Charging Pad		
<b>Model Number:</b>	WPC15-1TJNC		
<b>Additional Model:</b>	B0872RLX6Z Note: They are identical except model name.		
<b>Power Supply:</b>	Input: DC 5V/2A; DC 9V/2A; DC 12V/1.5A (QC/PD 3.0)		
<b>Trade Name:</b>	Amazon Basics, CE LINK	Serial No.:	-----
<b>Date of Receipt:</b>	Sep. 28, 2024	Date of Test:	Sep. 28, 2024~ Oct. 28, 2024
<b>Test Specification:</b>	FCC Part 15 Subpart C ANSI C63.10:2013		
<b>Test Result:</b>	<p>The device described above is tested by EST Technology Co., Ltd. The measurement results were contained in this test report and EST Technology Co., Ltd. was assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliance with the FCC Rules and Regulations Part 15 Subpart C requirements.</p> <p>This report applies to above tested sample only and shall not be reproduced in part without written approval of EST Technology Co., Ltd.</p>		

Date: Oct. 31, 2024

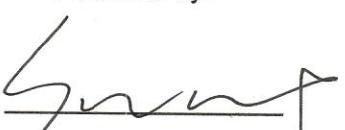
Prepared by:

Reviewed by:

Approved by:



Ring Yang / Assistant



Seven Wang / Engineer



Iceman Hu / Manager

**Other Aspects:**

None.

Abbreviations: OK/P=passed fail/F=failed n.a/N=not applicable E.U.T=equipment under tested

This test report is based on a single evaluation of one sample of above mentioned products, It is not permitted to be duplicated in extracts without written approval of EST Technology Co., Ltd.

## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

Product Name	:	Wireless Charging Pad
Model Number	:	WPC15-1TJNC
Operation Frequency	:	110.5-205kHz
Wireless Charge Power	:	5W, 7.5W, 10W, 15W
Max Field Strength of Fundamental	:	80.97dB $\mu$ V/m
Modulation Type	:	FSK
Antenna Type	:	Induction coil
Sample Type	:	Prototype production

Note: For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

## 2. SUMMARY OF TEST

### 2.1. Summary of test result

No.	Description of Test Item	FCC Standard Section	Results
1	Radiated Emission	15.205 15.209	PASS
2	AC Power Line Conducted Emissions	15.207	PASS
3	Antenna Requirement	15.203	PASS

Note: "N/A" denotes test is not applicable in this test report.

## 2.2. Test Facilities

EMC Lab

: Accredited by CNAS, CHINA  
Registration No.: L5288  
This Accreditation is valid until: November 12, 2029

Recognized by FCC, USA  
Designation Number: CN1215  
This Recognition is valid until: January 31, 2026

Accredited by A2LA, USA  
Registration No.: 4366.01  
This Accreditation is valid until: January 31, 2026

Recognized by Industry Canada  
CAB identifier No.: CN0035  
This Recognition is valid until: January 31, 2026

Recognized by VCCI, Japan  
Registration No.:C-14103; T-20073; R-13663;  
R-20103; G-20097  
Date of registration: Apr. 20, 2020  
This Recognition is valid until: Apr. 19, 2026

Recognized by TUV Rheinland, Germany  
Registration No.: UA 50413872 0001  
Date of registration: July 31, 2018

Recognized by Intertek  
Registration No.: 2011-RTL-L2-64  
Date of registration: November 08, 2018

Name of Firm

: EST Technology Co., Ltd.

Site Location

: Chilingxiang, Qishantou, Santun, Houjie, Dongguan,  
Guangdong, China

## 2.3. Measurement uncertainty

Test Item	Uncertainty
Uncertainty for Conduction emission test	±3.48dB
Uncertainty for spurious emissions test (Below 30MHz)	±1.62dB
Uncertainty for spurious emissions test (30MHz-1GHz)	±4.60 dB(Polarize: H)
	±4.68 dB(Polarize: V)
Uncertainty for spurious emissions test (1GHz to 18GHz)	±4.96dB
Uncertainty for radio frequency	7×10 <sup>-8</sup>
Uncertainty for conducted RF Power	1.08dB
Uncertainty for Power density test	0.26dB

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

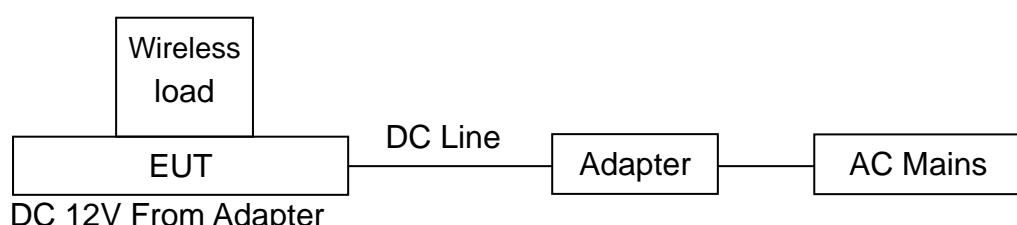
## 2.4. Assistant equipment used for test

Item	Equipment	Brand	Model Name/Type No.	FCC ID	Series No.
1	Adapter	-	A1882	-	-
2	Wireless load	-	YBZ BPP	-	-

Item	Shielded Type	Ferrite Core	Length	Model Name/Type No.	Note
1	NO	NO	1.0m	-	DC Cable

## 2.5. Block Diagram

For radiated emissions test: EUT was placed on a turn table, which is 0.8 meter high above ground.



(EUT: Wireless Charging Pad)

2.6. The test mode was selected for the final test as listed below.

Test Item	Test Mode		
Radiated Emission	AC Mains: 5W, 7.5W, 10W, 15W	Full load	
		Half load	
		No load	
AC Power Line Conducted Emissions	AC Mains: 5W, 7.5W, 10W, 15W	Full load	
		Half load	
		No load	

Note: All modes have been tested. The report shows the worst data.

## 2.7. Test Equipment List

For AC Power Line Conducted Emissions Test						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESRP3	EST-E070	LISAI	June 11,24	June 10,25
Artificial Mains Network	Rohde & Schwarz	ENV216	EST-E002	LISAI	June 11,24	June 10,25
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	EST-E078	LISAI	June 11,24	June 10,25
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A

For Radiated Emission Test(9kHz-30MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 11,24	June 10,25
Active Loop Antenna	SCHWAREBECK	FMZB 1519B	EST-E054	LISAI	June 11,24	June 10,25
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
9kHz-30MHz Cable	N/A	EST-001	N/A	N/A	N/A	N/A

For Radiated Emission Test (30MHz-1000MHz)						
Equipment	Manufacturer	Model No.	Serial No.	Calibration Body	Last Cal.	Next Cal.
EMI Test Receiver	Rohde & Schwarz	ESR7	EST-E047	LISAI	June 11,24	June 10,25
Bilog Antenna	Teseq	CBL 6111D	EST-E034	LISAI	June 11,24	June 10,25
Test Software	Audix	e3-6.111221a	N/A	N/A	N/A	N/A
30-1000MHz Cable	N/A	EST-002	N/A	N/A	N/A	N/A

### 3. RADIATED EMISSION

#### 3.1. Limit

##### 15.209 Radiated emission limits

Frequency (MHz)	Field Strength(µV/m)	Distance(m)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

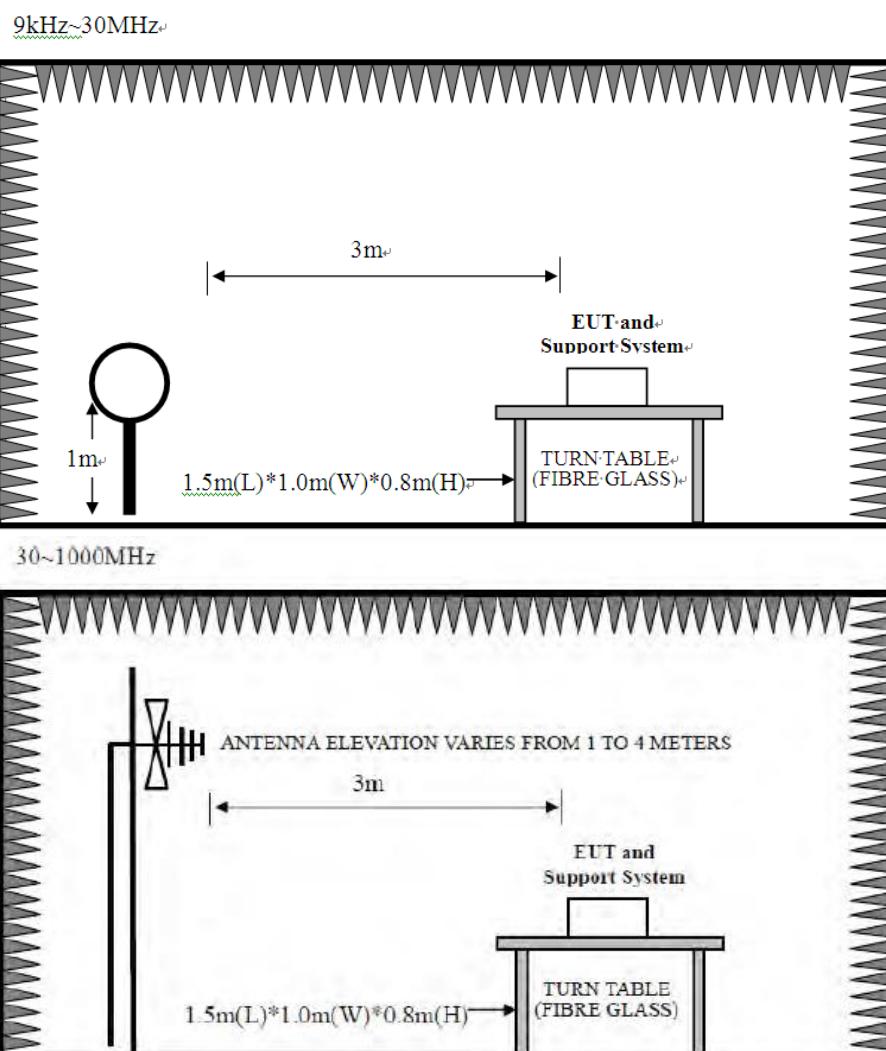
Note:

1. Emission level  $\text{dB}\mu\text{V} = 20 \log \text{Emission level } \mu\text{V/m}$ .
2. The smaller limit shall apply at the cross point between two frequency bands.
3. Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system

##### 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	( <sup>2</sup> )

### 3.2. Test Setup



### 3.3. Spectrum Analyzer Setting

For 9KHz-150KHz

Spectrum Parameters	Setting
RBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
VBW	300Hz(for Peak&AVG)/CISPR 200Hz(for QP)
Start frequency	9KHz
Stop frequency	150KHz
Sweep Time	Auto
Detector	PEAK/QP/AVG
Trace Mode	Max Hold

## For 150KHz-30MHz

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

## For 30MHz-1000MHz

Spectrum Parameters	Setting
RBW	120KHz
VBW	300KHz
Start frequency	30MHz
Stop frequency	1000MHz
Sweep Time	Auto
Detector	QP
Trace Mode	Max Hold

### 3.4. Test Procedure

- a. EUT was placed on a turn table, which is 0.8 meter high above ground.
- b. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower.
- c. Set the EUT transmit continuously with maximum output power.
- d. Spectrum analyzer setting parameters in accordance with section 3.3.
- e. The turn table can rotate 360 degrees to determine the position of the maximum emission level.
- f. For below 30MHz test, the center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates both coaxial and coplanar polarization to find out the maximum emission level.
- g. For above 30MHz test, the antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Both coaxial and coplanar polarization of the antenna are set on test.
- h. Record the results in the test report.

Note:

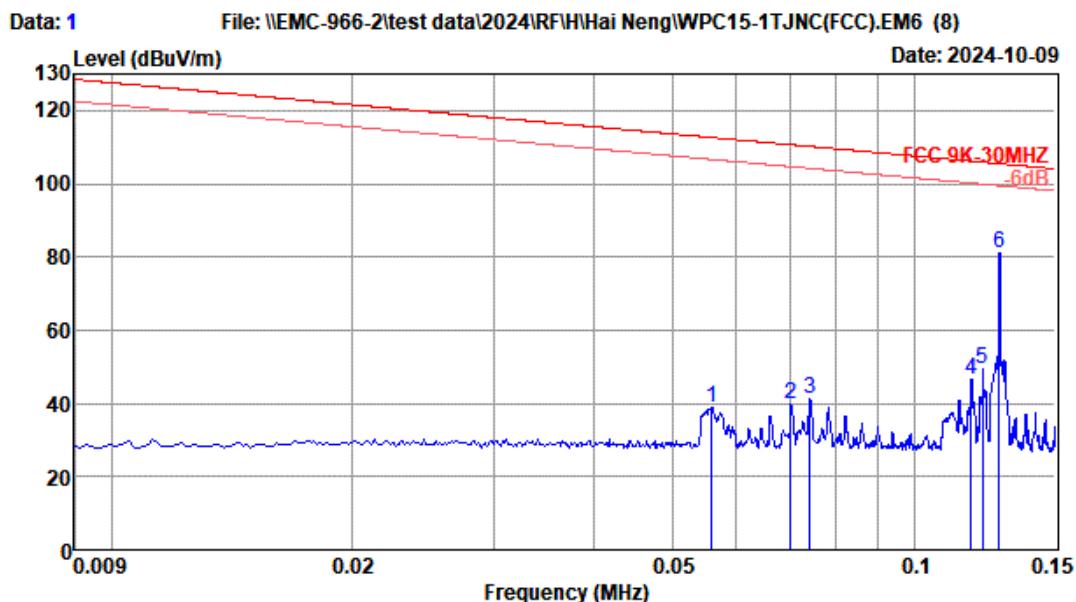
1. For emissions below 30MHz, if peak level comply with average limit, then the average level is deemed to comply with average limit.
2. For emissions below 30MHz, if peak level comply with QP limit, then the QP level is deemed to comply with QP limit.

## 3.5. Test Result

## Radiated Emission Below 30MHz

EST Technology

Chilingxiang, Qishantou, Santun,  
 Houjie, Dongguan, Guangdong, China  
 Tel: +86-769-83081888  
 Fax: +86-769-83081878



Site no. : 2# 966 chamber Data no. : 1  
 Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COAXIAL  
 Limit : FCC 9K-30MHz  
 Env. / Ins. : Temp:24.6°C;Humi 52%;Press:101.2kPa  
 Engineer : Eric  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Emission				
			Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 0.05595	19.80	0.03	19.11	38.94	112.65	73.71	Peak
2 0.07019	19.80	0.03	19.90	39.73	110.68	70.95	Peak
3 0.07414	19.80	0.03	21.54	41.37	110.20	68.83	Peak
4 0.11771	20.10	0.03	26.53	46.66	106.19	59.53	Peak
5 0.12180	20.10	0.03	29.12	49.25	105.89	56.64	Peak
6 0.12772	20.10	0.03	60.84	80.97	105.48	24.51	Peak

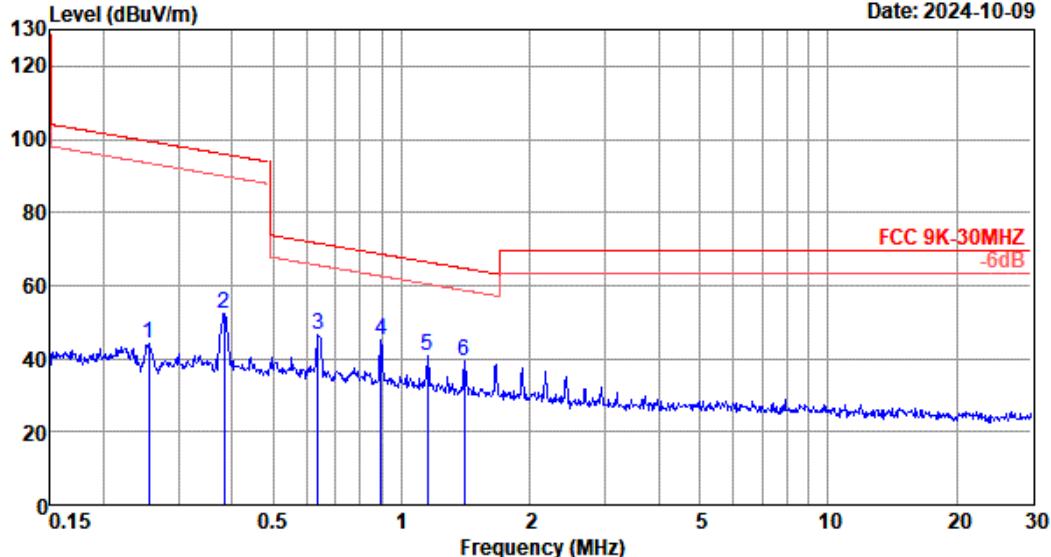
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China.  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 2 File: \EMC-966-2\test data\2024\RFI\Hai Neng\WPC15-1TJNC(FCC).EM6 (8)

Date: 2024-10-09



Site no. : 2# 966 chamber Data no. : 2  
 Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COAXIAL  
 Limit : FCC 9K-30MHZ  
 Env. / Ins. : Temp:24.6°C;Humi 52%;Press:101.2kPa  
 Engineer : Eric  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 0.25480	19.97	0.03	24.01	44.01	99.48	55.47	Peak
2 0.38315	19.94	0.03	32.40	52.37	95.94	43.57	Peak
3 0.63720	19.87	0.07	26.44	46.38	71.52	25.14	Peak
4 0.89441	19.82	0.07	25.31	45.20	68.57	23.37	Peak
5 1.14733	19.81	0.07	21.05	40.93	66.41	25.48	Peak
6 1.40322	19.84	0.07	19.24	39.15	64.66	25.51	Peak

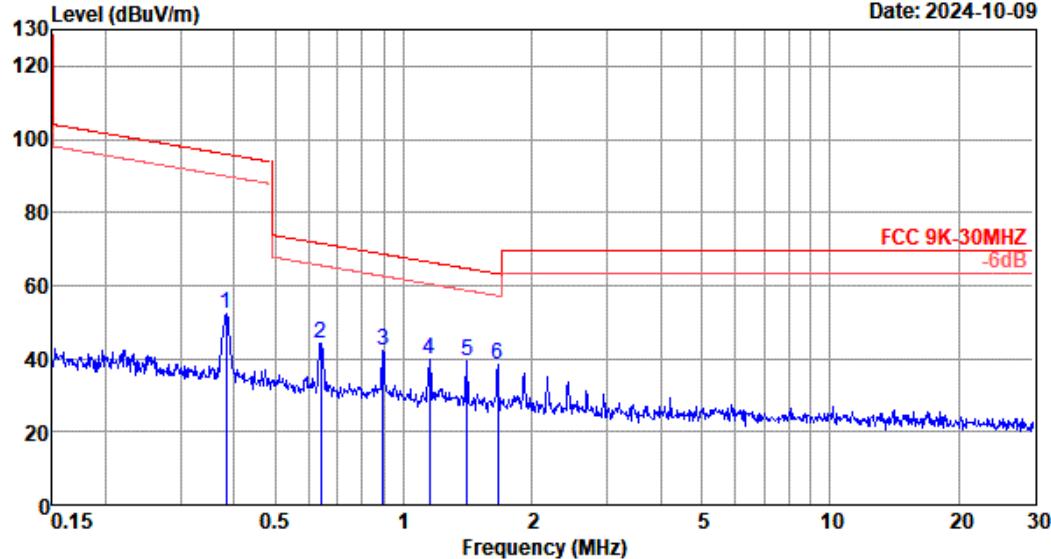
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China.  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 3 File: \EMC-966-2\test data\2024\RFI\Hai Neng\WPC15-1TJNC(FCC).EM6 (8)

Date: 2024-10-09



Site no. : 2# 966 chamber Data no. : 3  
 Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COPLANAR  
 Limit : FCC 9K-30MHZ  
 Env. / Ins. : Temp:24.6°C;Humi 52%;Press:101.2kPa  
 Engineer : Eric  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 0.38315	19.94	0.03	32.19	52.16	95.94	43.78	Peak
2 0.64058	19.87	0.07	24.13	44.07	71.47	27.40	Peak
3 0.89441	19.82	0.07	22.15	42.04	68.57	26.53	Peak
4 1.14733	19.81	0.07	19.80	39.68	66.41	26.73	Peak
5 1.41068	19.84	0.07	19.28	39.19	64.62	25.43	Peak
6 1.66249	19.87	0.10	18.30	38.27	63.19	24.92	Peak

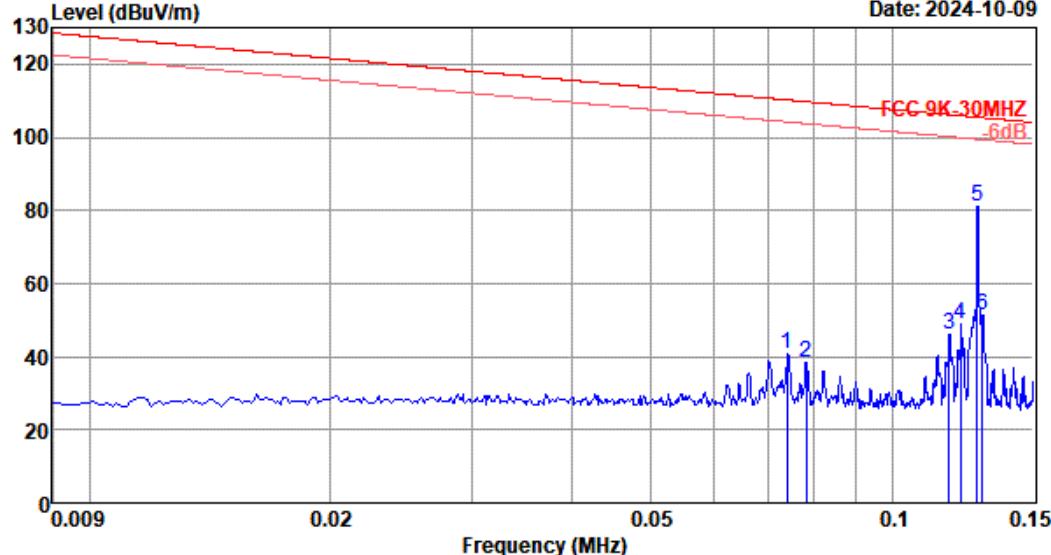
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China.  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 4 File: \EMC-966-2\test data\2024\RFI\Hai Neng\WPC15-1TJNC(FCC).EM6 (8)

Date: 2024-10-09



Site no. : 2# 966 chamber Data no. : 4  
 Dis. / Ant. : 3m FMZB 1519B Ant. pol. : COPLANAR  
 Limit : FCC 9K-30MHZ  
 Env. / Ins. : Temp:24.6°C;Humi 52%;Press:101.2kPa  
 Engineer : Eric  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 0.07400	19.80	0.03	20.80	40.63	110.22	69.59	Peak
2 0.07823	19.80	0.03	18.56	38.39	109.74	71.35	Peak
3 0.11785	20.10	0.03	25.95	46.08	106.18	60.10	Peak
4 0.12180	20.10	0.03	28.69	48.82	105.89	57.07	Peak
5 0.12772	20.10	0.03	60.84	80.97	105.48	24.51	Peak
6 0.12970	20.10	0.03	31.19	51.32	105.35	54.03	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## Radiated Emission Above 30MHz

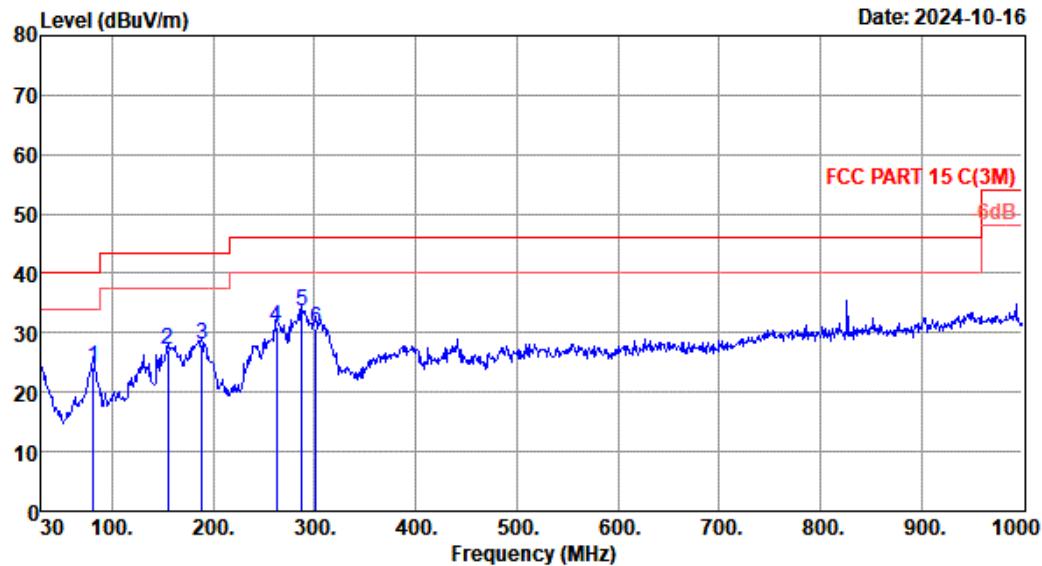
EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 1

File: \EMC-966-3\test data\2024\RFI\Hai Neng\Hai Neng.EM6 (2)

Date: 2024-10-16



Site no. : 3# 966 Chamber Data no. : 1  
 Dis. / Ant. : 3m 31218 Ant. pol. : HORIZONTAL  
 Limit : FCC PART 15 C(3M)  
 Env. / Ins. : Temp:25.4°C;Humi:52%;Press:101.52kPa  
 Engineer : Cbin  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 81.41	7.20	0.84	16.04	24.08	40.00	15.92	QP
2 155.13	10.80	1.20	15.28	27.28	43.50	16.22	QP
3 189.08	8.30	1.34	18.52	28.16	43.50	15.34	QP
4 262.80	13.20	1.62	16.06	30.88	46.00	15.12	QP
5 288.02	12.82	1.71	19.13	33.66	46.00	12.34	QP
6 301.60	12.93	1.76	16.11	30.80	46.00	15.20	QP

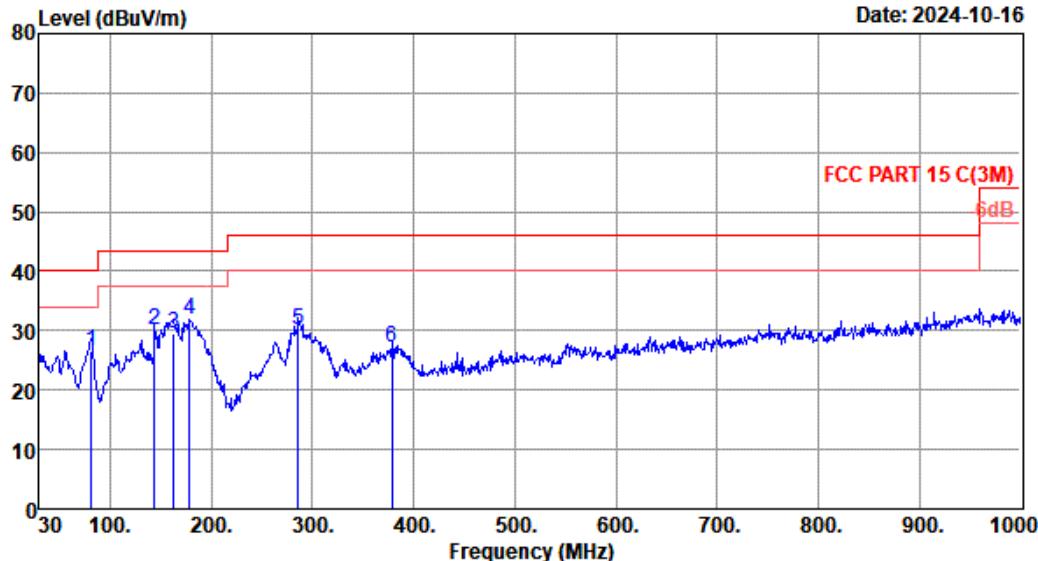
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China.  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 2 File: \EMC-966-3\test data\2024\RFI\Hai Neng\Hai Neng.EM6 (2)

Date: 2024-10-16



Site no. : 3# 966 Chamber Data no. : 2  
 Dis. / Ant. : 3m 31218 Ant. pol. : VERTICAL  
 Limit : FCC PART 15 C(3M)  
 Env. / Ins. : Temp:25.4°C;Humi:52%;Press:101.52kPa  
 Engineer : Cbin  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	ANT Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission			
				Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1 81.41	7.20	0.84	18.63	26.67	40.00	13.33	QP
2 143.49	11.90	1.15	17.03	30.08	43.50	13.42	QP
3 162.89	10.20	1.23	18.21	29.64	43.50	13.86	QP
4 178.41	9.10	1.29	21.52	31.91	43.50	11.59	QP
5 286.08	12.74	1.70	15.73	30.17	46.00	15.83	QP
6 378.23	14.76	2.01	10.49	27.26	46.00	18.74	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. The emission levels that are 20dB below the official limit are not reported.

## 4. AC POWER LINE CONDUCTED EMISSIONS

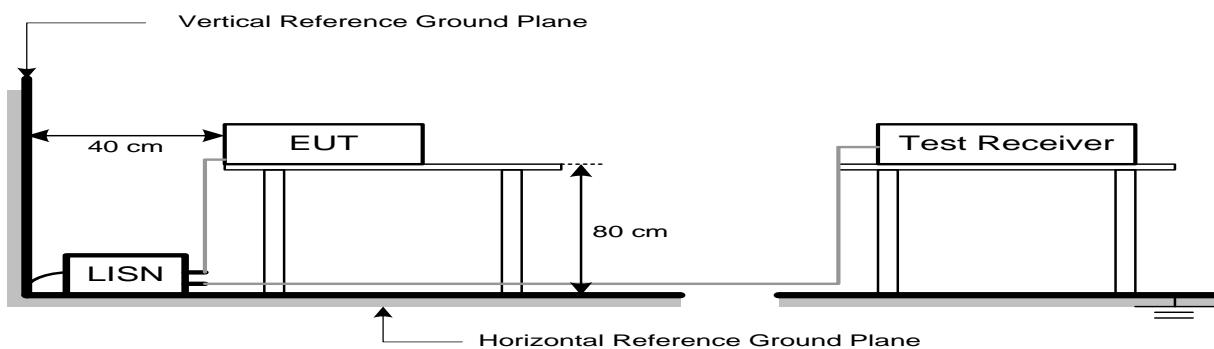
### 4.1. Limit

Frequency			Maximum RF Line Voltage	
		Quasi-Peak Level dB( $\mu$ V)	Average Level dB( $\mu$ V)	
150kHz	~	500kHz	66 ~ 56*	
500kHz	~	5MHz	56	
5MHz	~	30MHz	60	

Note:

1. \* Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

### 4.2. Test Setup



### 4.3. Spectrum Analyzer Setting

Spectrum Parameters	Setting
RBW	9KHz
VBW	9KHz
Start frequency	150KHz
Stop frequency	30MHz
Sweep Time	Auto
Detector	QP/AVG
Trace Mode	Max Hold

### 4.4. Test Procedure

- a. The EUT was placed on a non-metallic table, 80cm above the ground plane.
- b. The EUT Power connected to the power mains through a line impedance stabilization network.
- c. Provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs).
- d. Set the EUT transmit continuously with maximum output power.
- e. Spectrum analyzer setting parameters in accordance with section 4.3.
- f. The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Test.
- g. Record the results in the test report.

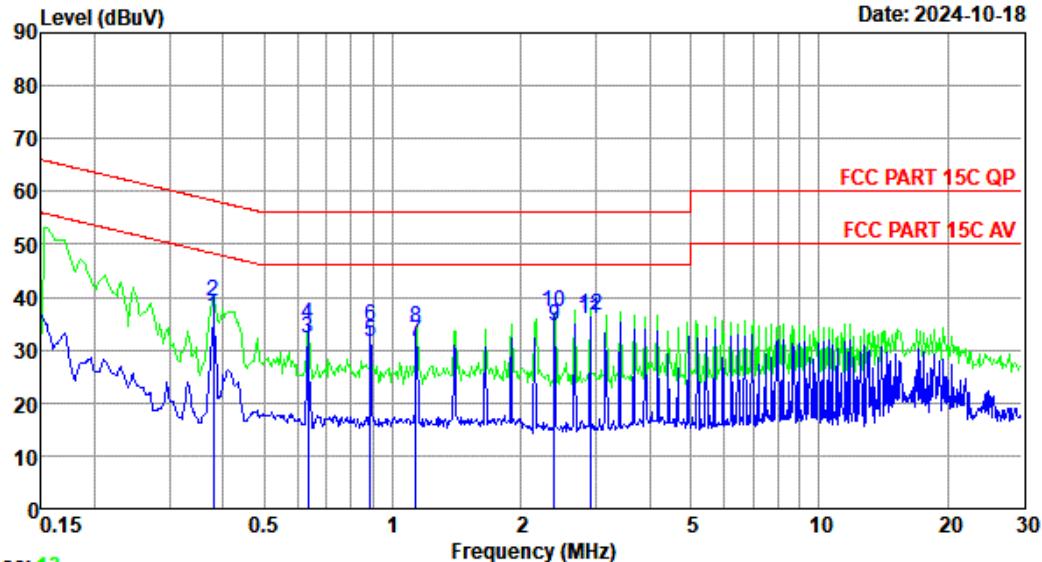
## 4.5. Test Result

EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 14 File: \EMC-ce-2\Test Data\2024\RF\H\Hai neng-1\Hai Neng.EM6 (16)

Date: 2024-10-18



Trace: 13

Site no : 2#CE Shield Room Data no. : 14  
 Env. / Ins. : Temp:21.2°C;Humi:51%;Press:101.10kPa LINE Phase : LINE  
 Limit : FCC PART 15C QP  
 Engineer : Dylan  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

	LISN Freq. (MHz)	Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.38	9.58	9.89	16.59	36.06	48.30	12.24	Average
2	0.38	9.58	9.89	19.56	39.03	58.30	19.27	QP
3	0.63	9.55	9.88	12.91	32.34	46.00	13.66	Average
4	0.63	9.55	9.88	15.33	34.76	56.00	21.24	QP
5	0.88	9.54	9.89	12.10	31.53	46.00	14.47	Average
6	0.88	9.54	9.89	15.13	34.56	56.00	21.44	QP
7	1.14	9.55	9.90	11.99	31.44	46.00	14.56	Average
8	1.14	9.55	9.90	14.65	34.10	56.00	21.90	QP
9	2.40	9.58	9.94	15.08	34.60	46.00	11.40	Average
10	2.40	9.58	9.94	17.66	37.18	56.00	18.82	QP
11	2.90	9.57	9.96	16.28	35.81	46.00	10.19	Average
12	2.90	9.57	9.96	17.13	36.66	56.00	19.34	QP

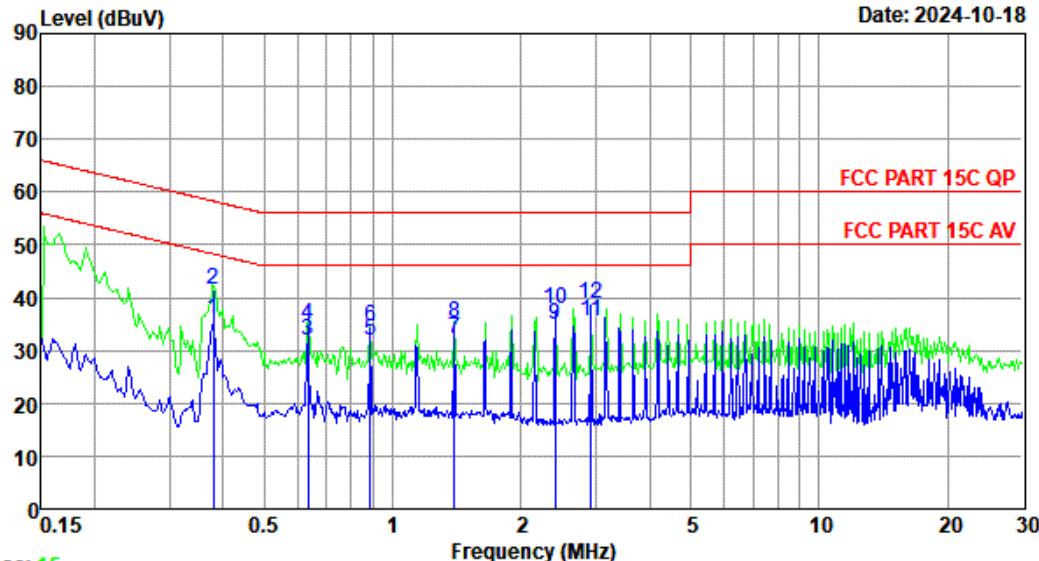
Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector,  
 the EUT shall be deemed to meet both limits and measurement  
 with average detector is unnecessary.

## EST Technology

Chilingxiang, Qishantou, Santun,  
Houjie, Dongguan, Guangdong, China.  
Tel: +86-769-83081888  
Fax: +86-769-83081878

Data: 16 File: \EMC-ce-2\Test Data\2024\RF\Hai neng-1\Hai Neng.EM6 (16)

Date: 2024-10-18



Trace: 15

Site no : 2#CE Shield Room Data no. : 16  
 Env. / Ins. : Temp:21.2°C;Hum:51%;Press:101.10kPa LINE Phase : NEUTRAL  
 Limit : FCC PART 15C QP  
 Engineer : Dylan  
 EUT : Wireless Charging Pad  
 Power : DC 12V From Adapter Input AC 120V/60Hz  
 M/N : WPC15-1TJNC  
 Test Mode : TX Mode  
 15W(Full Load)

Freq. (MHz)	LISN Factor (db)	Cable Loss (db)	Reading dBuV	Emission Level dBuV	Limits dBuV	Margin (dB)	Remark
1	0.38	9.56	9.89	16.38	35.83	48.30	12.47
2	0.38	9.56	9.89	22.14	41.59	58.30	16.71
3	0.63	9.55	9.88	12.54	31.97	46.00	14.03
4	0.63	9.55	9.88	15.43	34.86	56.00	21.14
5	0.88	9.54	9.89	12.36	31.79	46.00	14.21
6	0.88	9.54	9.89	15.23	34.66	56.00	21.34
7	1.40	9.55	9.91	12.91	32.37	46.00	13.63
8	1.40	9.55	9.91	15.84	35.30	56.00	20.70
9	2.41	9.56	9.94	15.25	34.75	46.00	11.25
10	2.41	9.56	9.94	18.22	37.72	56.00	18.28
11	2.92	9.56	9.96	16.15	35.67	46.00	10.33
12	2.92	9.56	9.96	19.23	38.75	56.00	17.25

Remarks: 1. Emission Level= LISN Factor + Cable Loss + Reading.  
 2. Margin= Limit - Emission Level.  
 3. If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits and measurement with average detector is unnecessary.

## 5. ANTENNA REQUIREMENTS

### 5.1. Limit

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

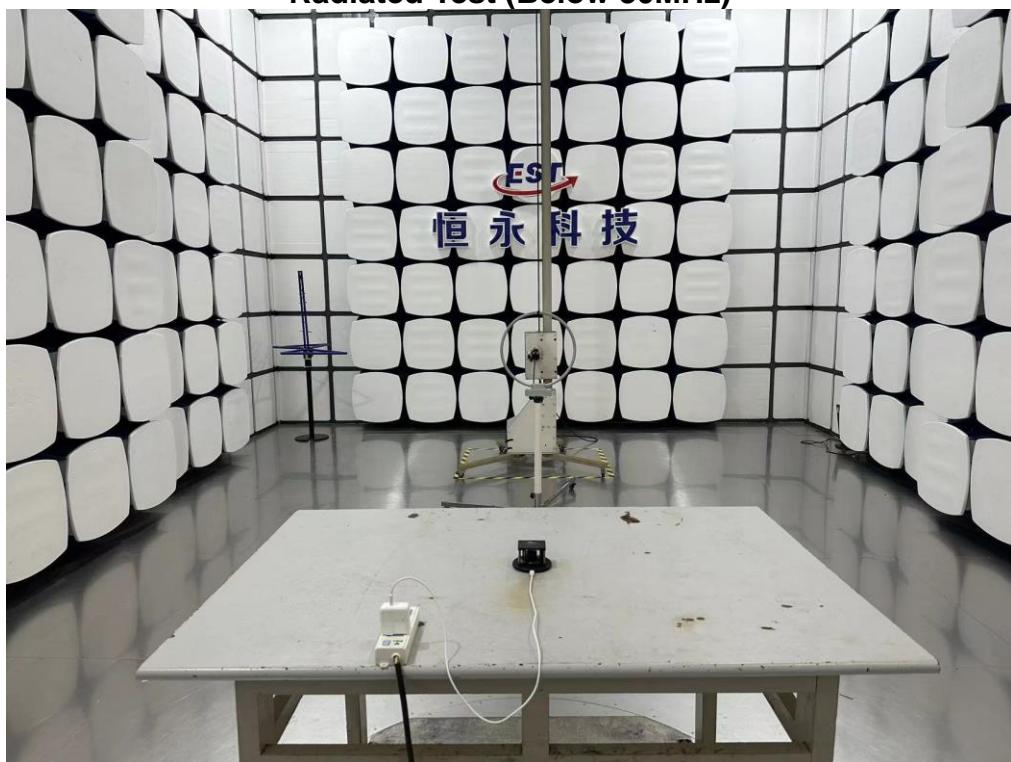
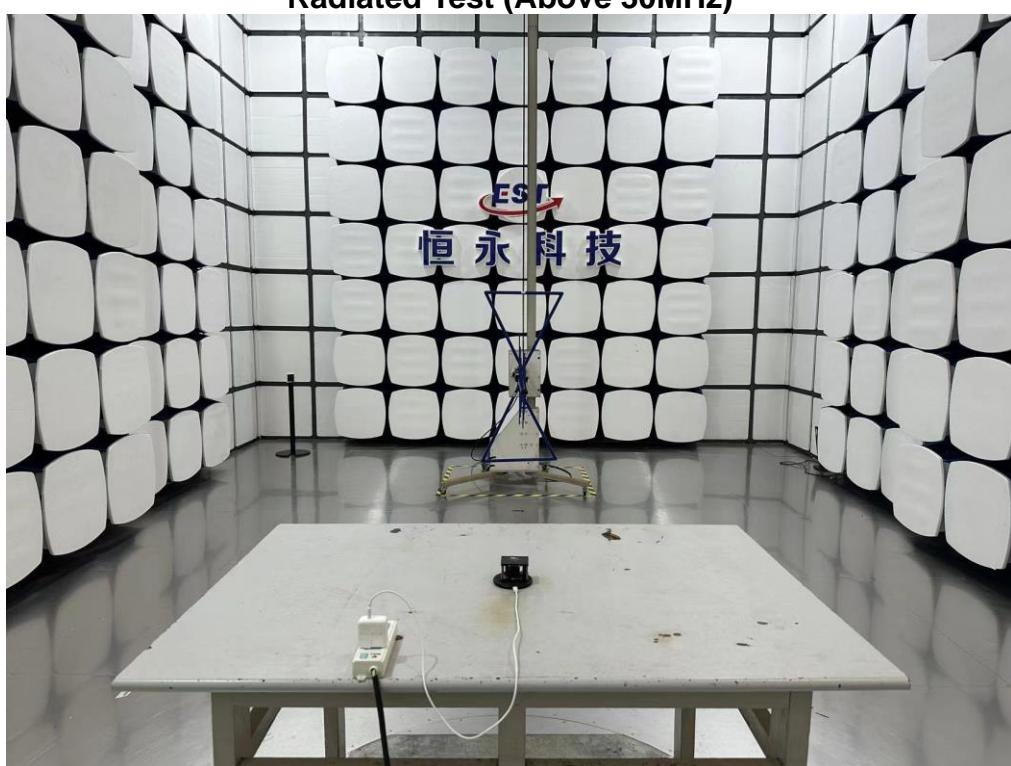
### 5.2. Test Result

The antennas used for this product is Coil antenna, so compliance with antenna requirements. ( Please refer to the EUT photo for details)

## 6. TEST SETUP PHOTO

### Conducted Emissions Test

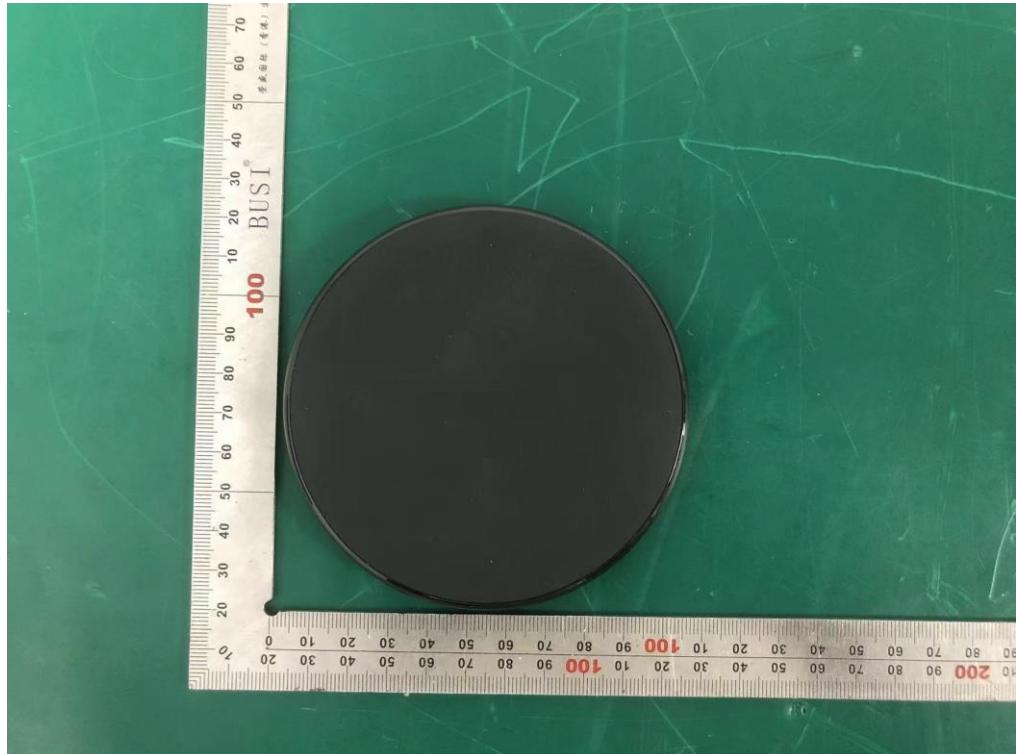


**Radiated Test (Below 30MHz)****Radiated Test (Above 30MHz)**

## 7. EUT PHOTO

### External Photos

M/N: WPC15-1TJNC



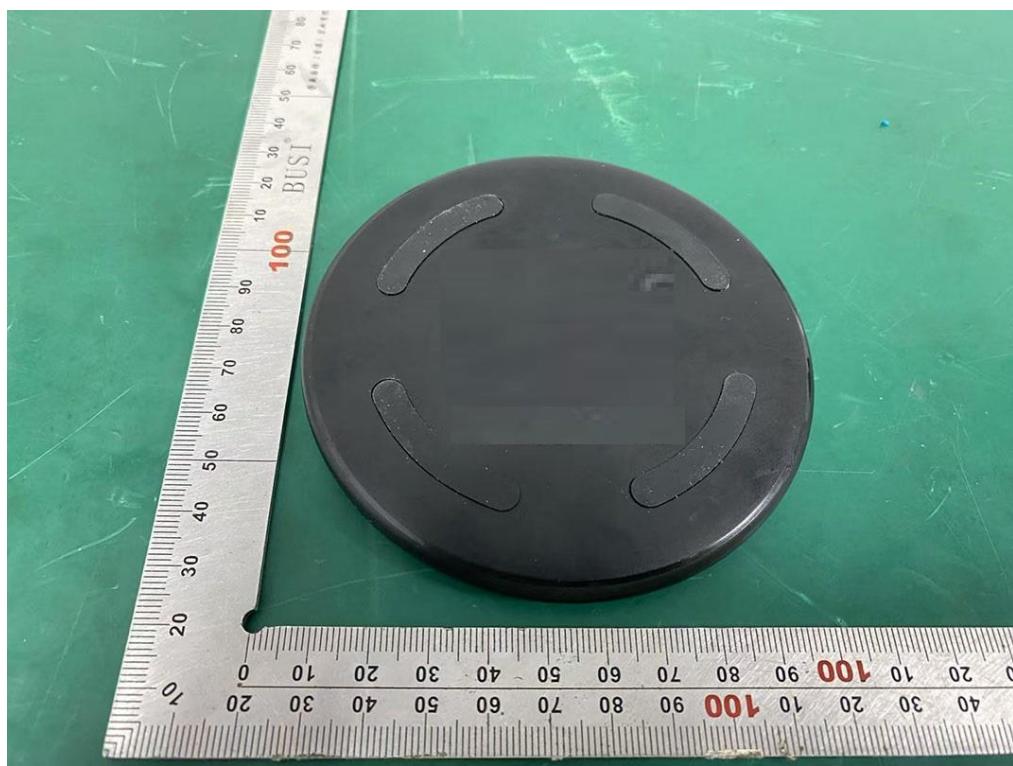
### External Photos

M/N: WPC15-1TJNC



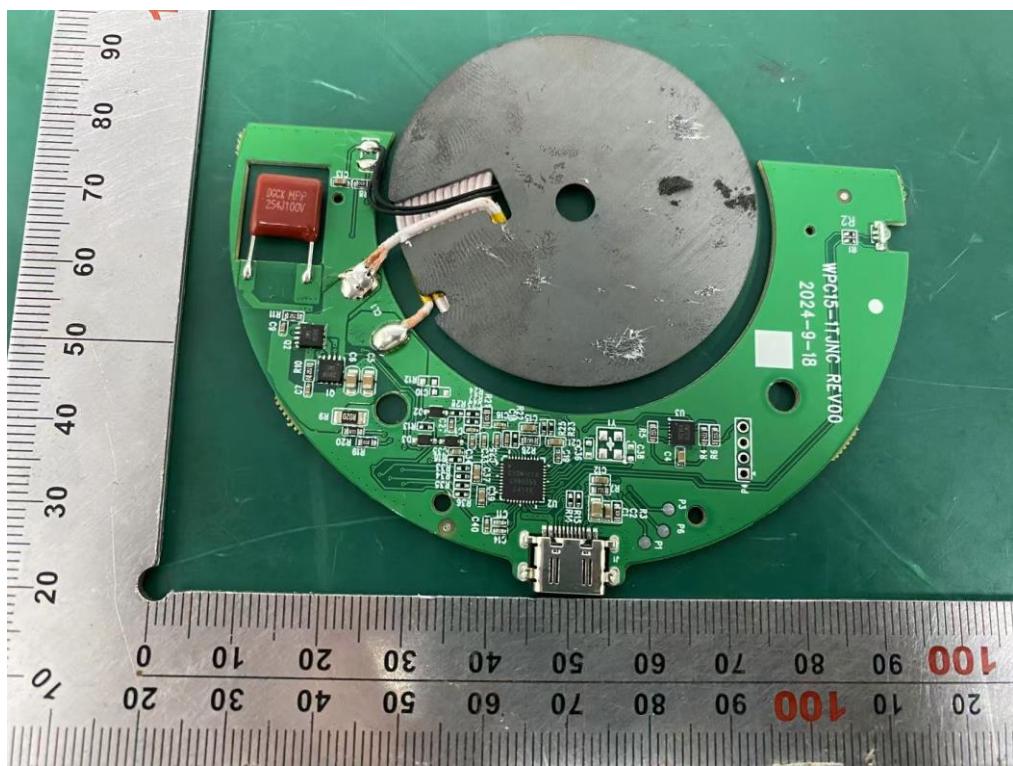
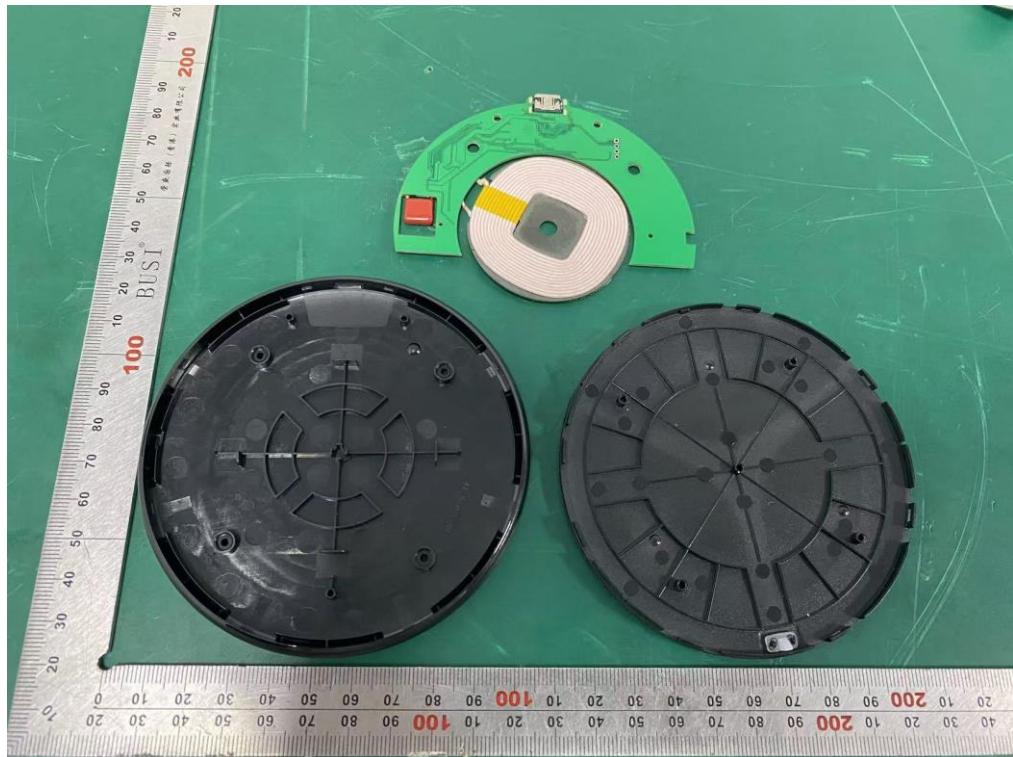
### External Photos

M/N: WPC15-1TJNC

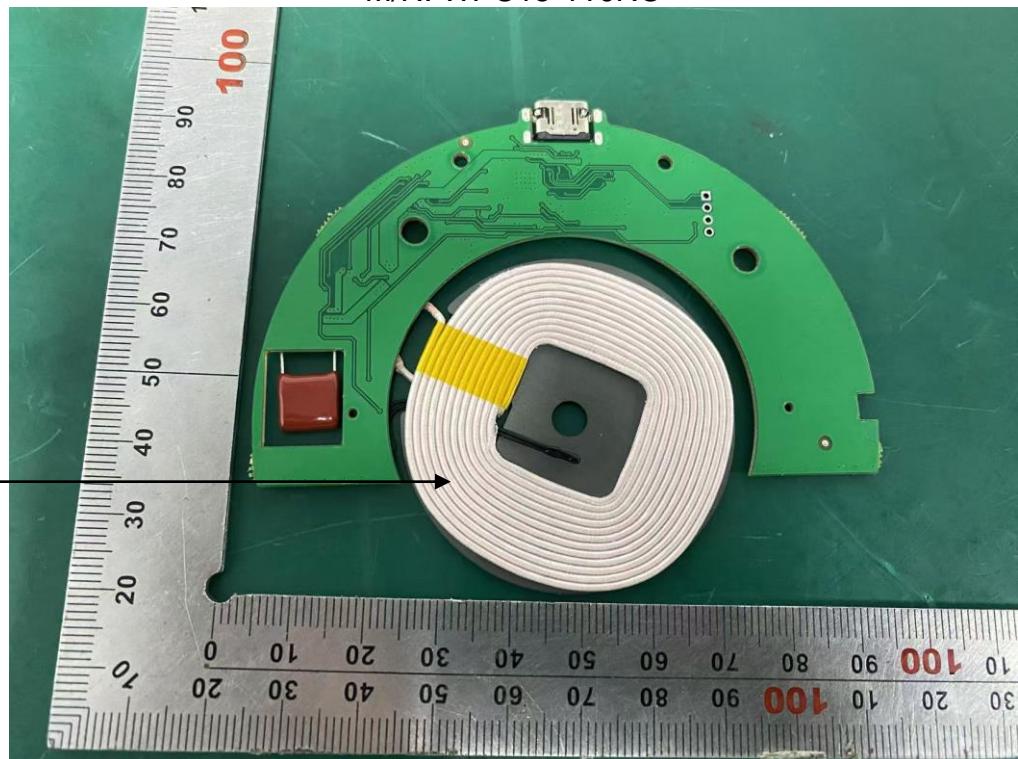


### Internal Photos

M/N: WPC15-1TJNC



**Internal Photos**  
M/N: WPC15-1TJNC



**End of Test Report**