

# CE LINK LIMITED

# TEST REPORT

**SCOPE OF WORK**

SAR Assessment– TM0021P

**REPORT NUMBER**

211021009SZN-002

**ISSUE DATE**

21 December 2021

**[REVISED DATE]**

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**PAGES**

7

**DOCUMENT CONTROL NUMBER**

RF Exposure

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## Test Report

Applicant : CE LINK LIMITED  
Building M, Li Cheng Technology Industrial Zone, Gong He Village, Sha JingTown, Shen Zhen, China

Sample Description

Product : Wireless Charging Pad 10W  
Model No. : TM0021P  
Brand Name : GOTO  
Electrical Rating : Input: DC 5V/2A, 9V/2A, 12V/1.5A from adapter  
Wireless charging maximum output: 10W

Date Received : 21 October 2021  
Date Test Conducted : 21 October 2021 to 28 October 2021

Test Requested : Test for compliance with CFR 47 part 1  
Test Method : Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(c) and (d), 1.1310 KDB 680106 D01 RF Exposure Wireless Charging App v03r01

Test Result : Pass  
Conclusion : When determining of test conclusion, measurement uncertainty of tests have been considered.

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**Prepared and Checked By:**

**Approved By:**

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Engineer

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Senior Project Engineer  
Date: 21 December 2021

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**Intertek Testing Services Shenzhen Ltd. Longhua Branch**

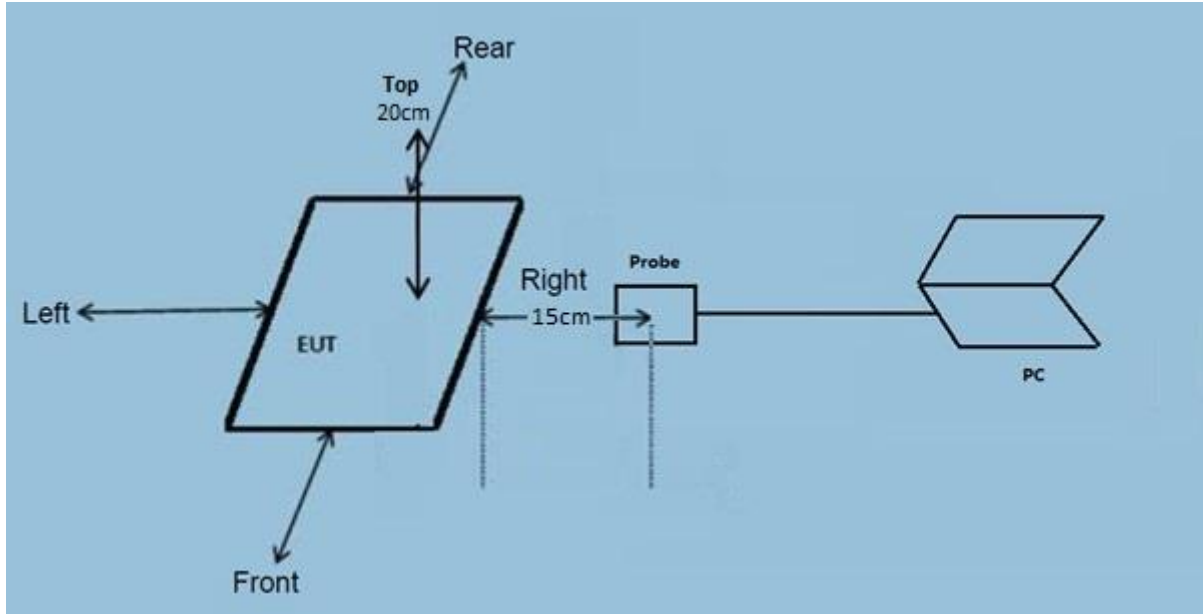
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## Test Report

### Test Setup Configuration



#### Note

- The RF exposure test is performed in the shield room.
- The test distance is at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils.

### Test Equipment List

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Electric and Magnetic Field Analyzer	EHP-200A	Narda	2021-07-23	2022-07-23

### This product was tested in the following configuration:

Description	Manufacturer	Detail
Mobile Phone (Provided by Intertek)	Apple	iPhone12
Mobile Phone (Provided by Intertek)	Samsung	S7
USB cable (Provided by Applicant)	NIL	Unshielded, Length 120cm
USB Power Adapter	N/A	Model No: W0920U-1U05F Input: 100-240VAC 50/60Hz 0.45A Max Output: 3.6V~6.0V=3A, 6V~9V12.0V=2A, 9V~12=1.5A

**Justification**

Pertest mode	Description
Mode 1	Standby mode
Mode 2	Mobile phone is charging at 1% battery power
Mode 3	Mobile phone is charging at 50% battery power
Mode 4	Mobile phone is charging at 99% battery power

The EUT was powered by AC 120V/60Hz during the test. The test system was pre-scanning tested based on the consideration of following EUT operation mode. Only the worst-case data is shown in this report.

**Reference Limit:**

**Environmental evaluation and exposure limit according to FCC CFR 47 part 1, 1.1307(c) and (d), 1.1310**

According to FCC 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.

**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> )	Average Time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3 – 3.0	614	1.63	(100) *	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3 – 1.34	614	1.63	(100) *	30

Note: \* = Plane wave equivalent power density

**Test Result:**

During test, the mobile handset is being charged.

Worst Case Operating Mode: Mode 3

**Test Result for wireless power transmit part:**

H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

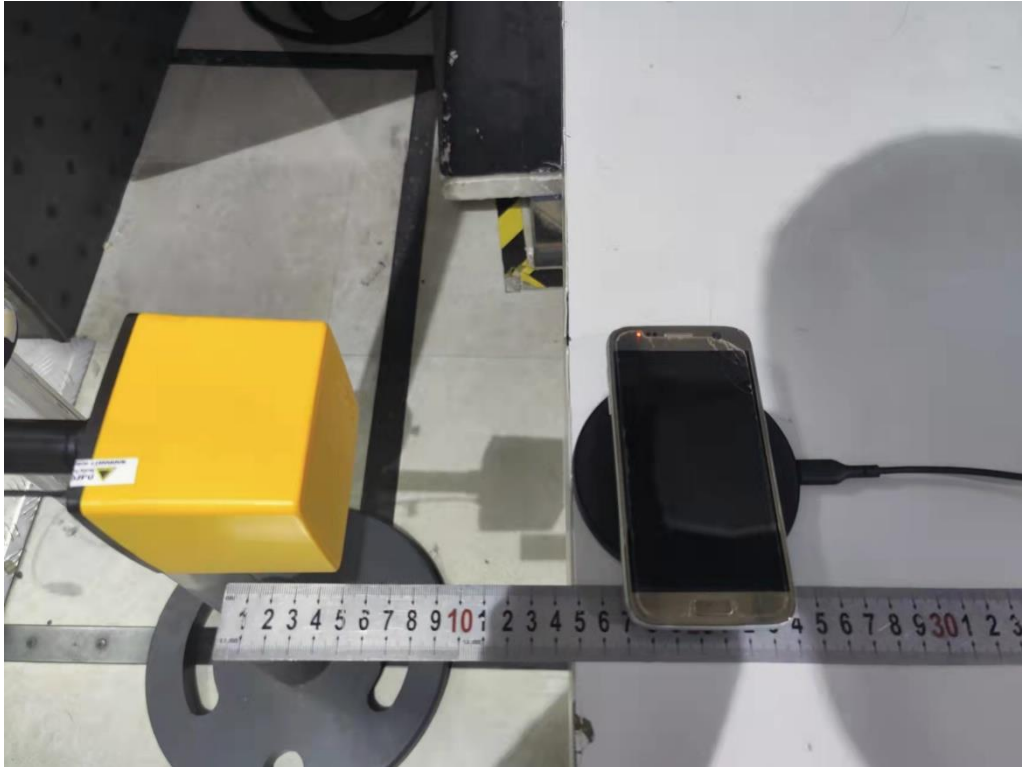
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.115-0.149	1% Battery Level	0.0069	0.0031	0.0028	0.0030	0.0032	1.63
0.115-0.149	50% Battery Level	0.0068	0.0030	0.0025	0.0028	0.0031	1.63
0.115-0.149	99% Battery Level	0.0066	0.0031	0.0026	0.0028	0.0032	1.63
0.115-0.149	Stand-by	0.0062	0.0031	0.0026	0.0030	0.0032	1.63

E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT

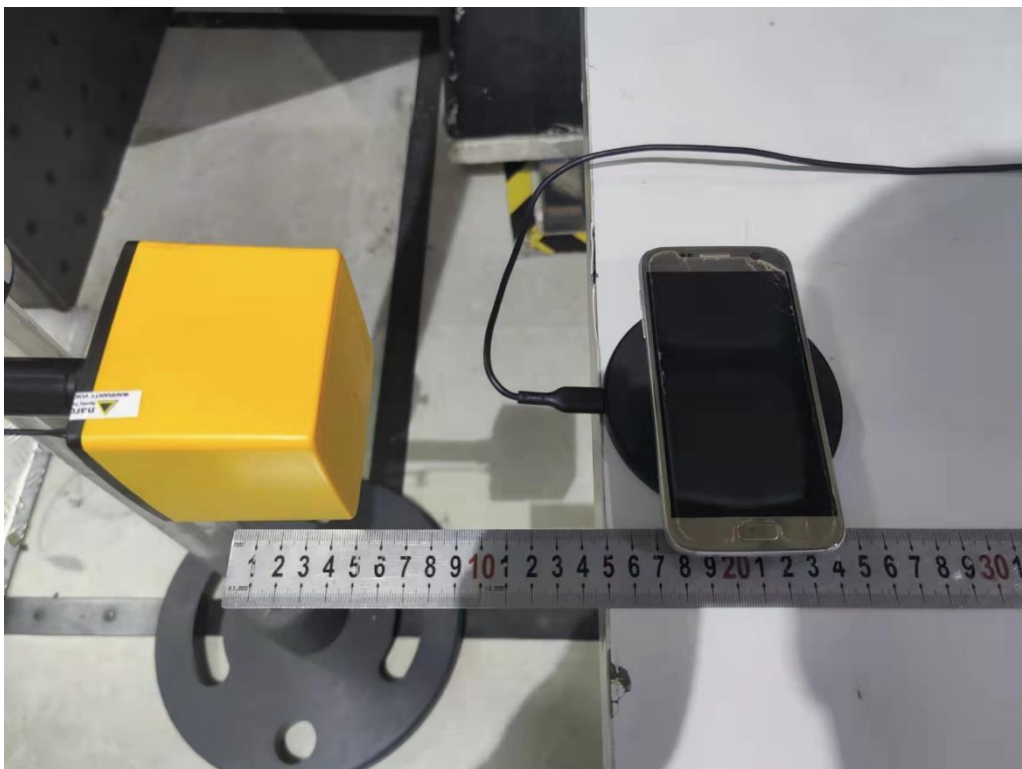
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.115-0.149	1% Battery Level	0.0934	0.0252	0.0369	0.0294	0.0275	614
0.115-0.149	50% Battery Level	0.0931	0.0248	0.0366	0.0290	0.0274	614
0.115-0.149	99% Battery Level	0.0930	0.0250	0.0367	0.0293	0.0274	614
0.115-0.149	Stand-by	0.0930	0.0250	0.0366	0.0292	0.0275	614

Configuration photo of the test:

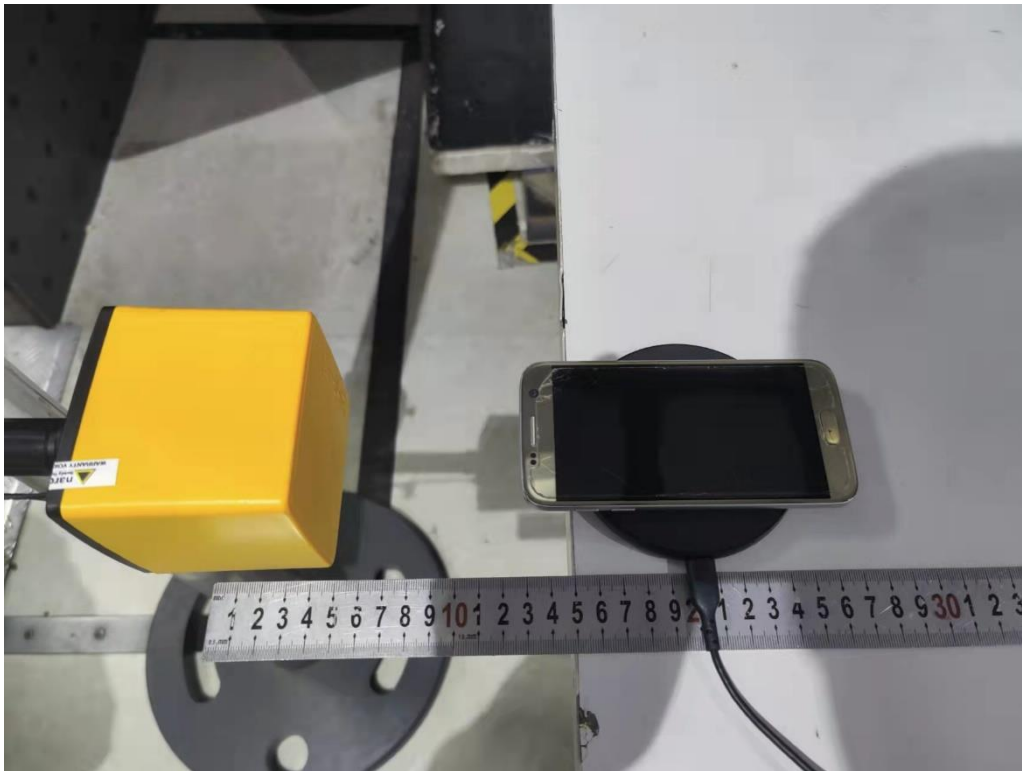
H-Field & E-Field Strength test photos



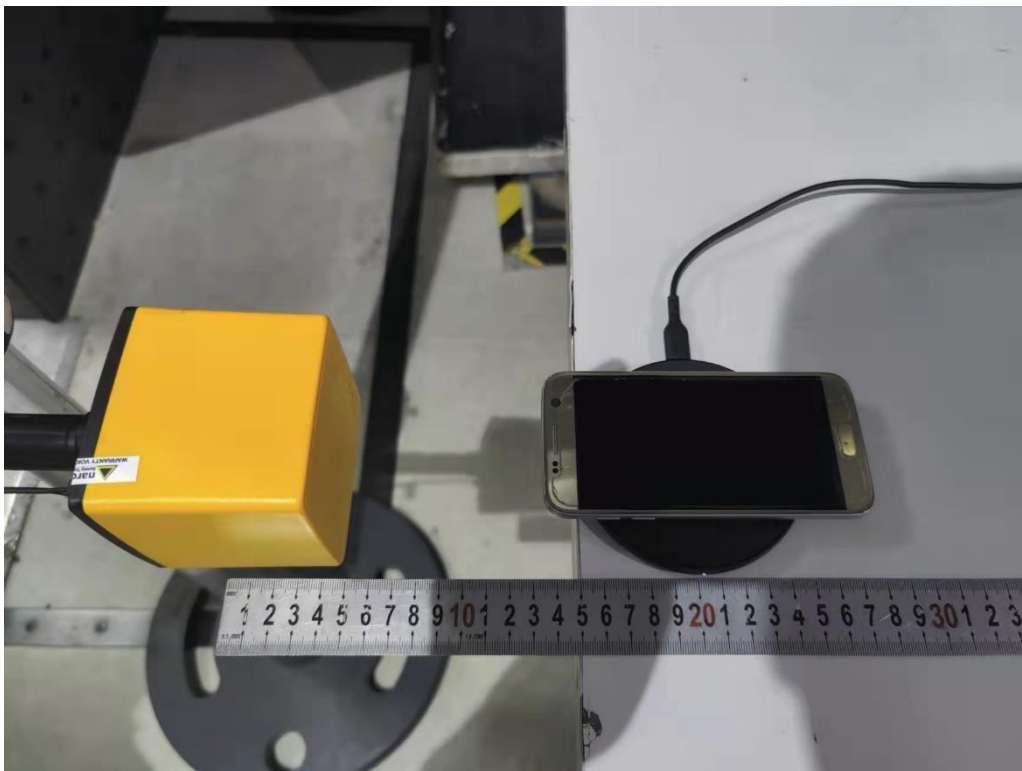
Front



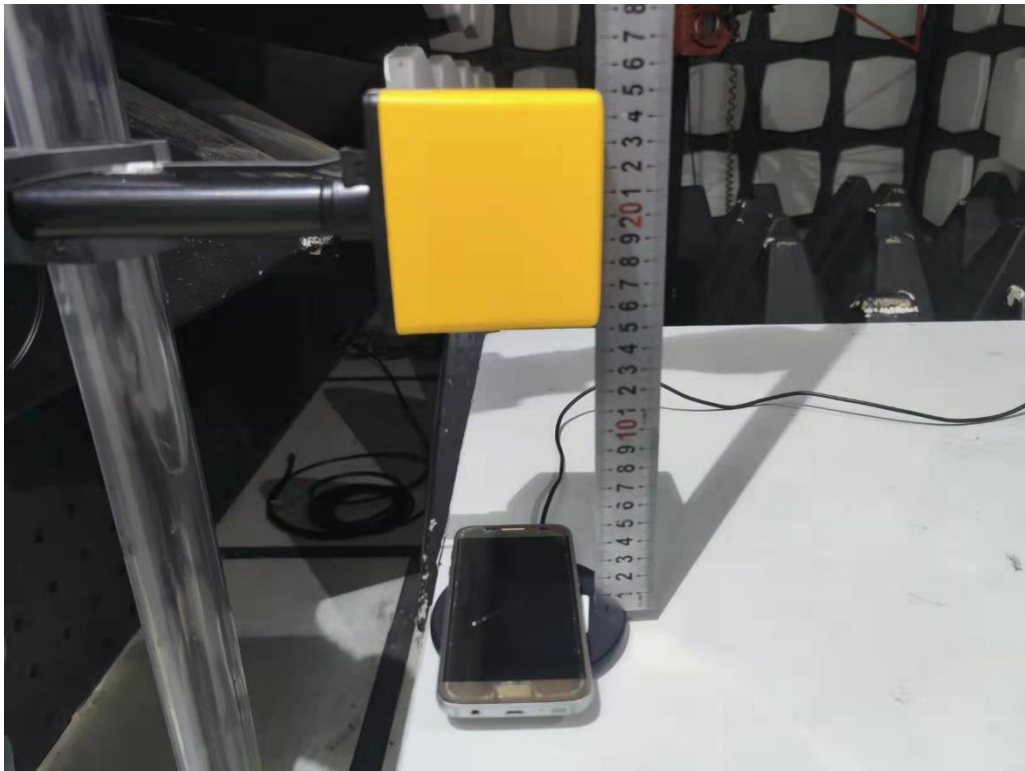
Rear



Left



Right



Top

\*\*\*\*\* End of Report\*\*\*\*\*