

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.

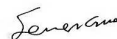
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Date: 21 December 2021

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Intertek Testing Services Shenzhen Ltd. Longhua Branch

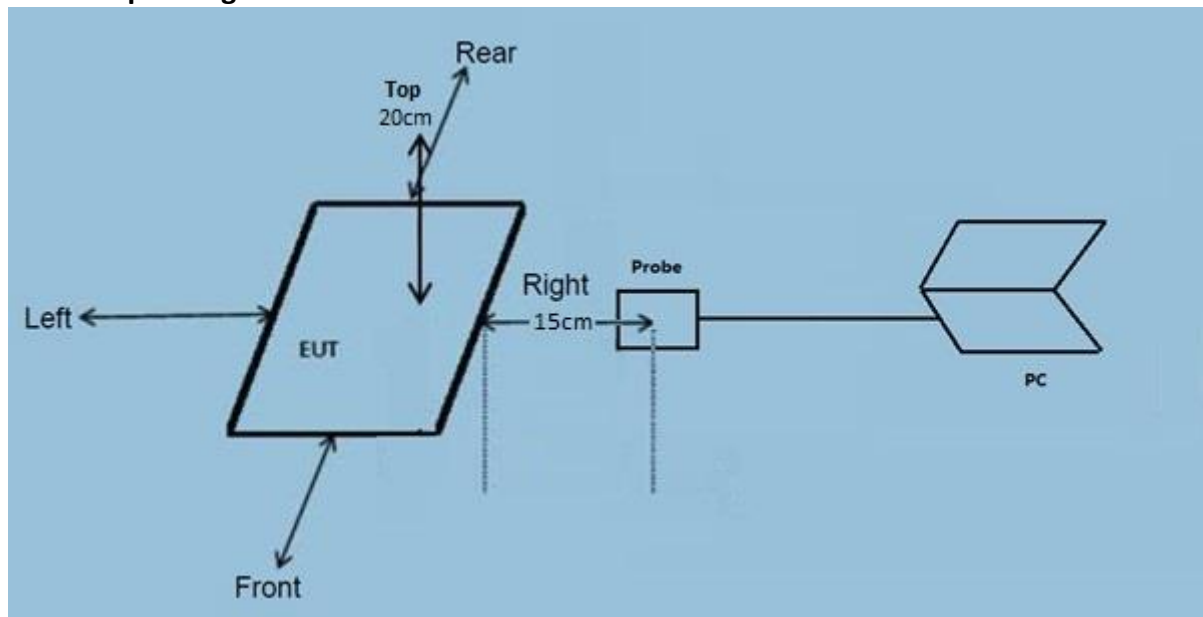
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Test Report

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 ²)	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

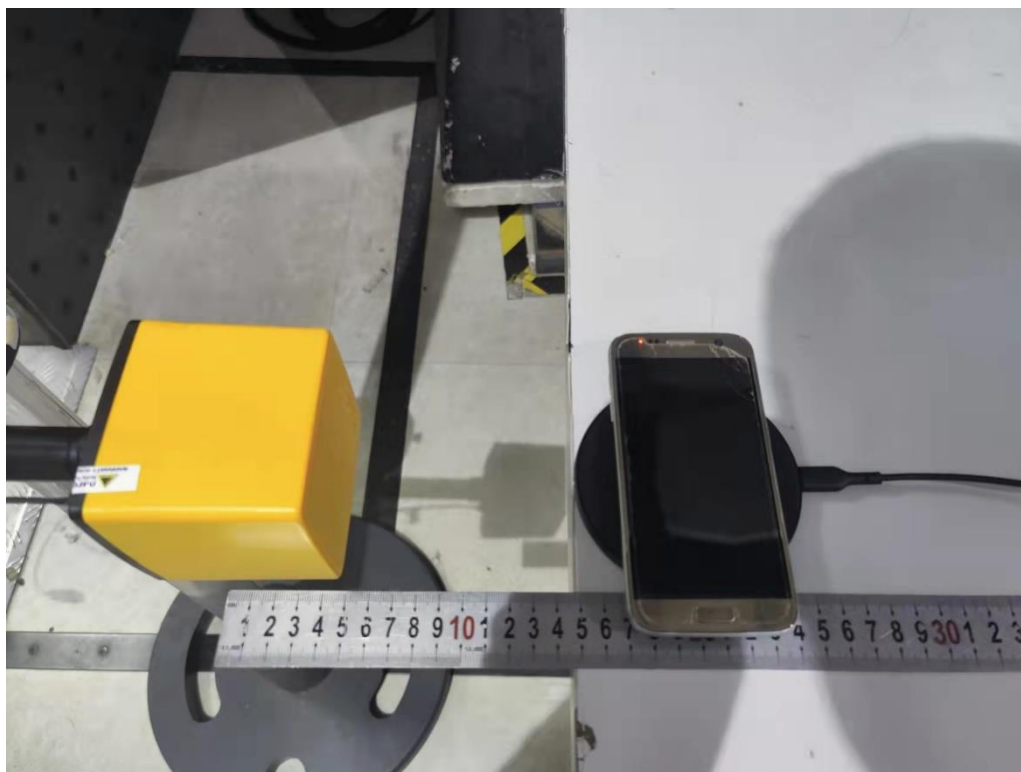
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.115-0.149	1% Battery Level	0.0069	0.0031	0.0028	0.0030	0.0032	1.63
0.115-0.149	50% Battery Level	0.0068	0.0030	0.0025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

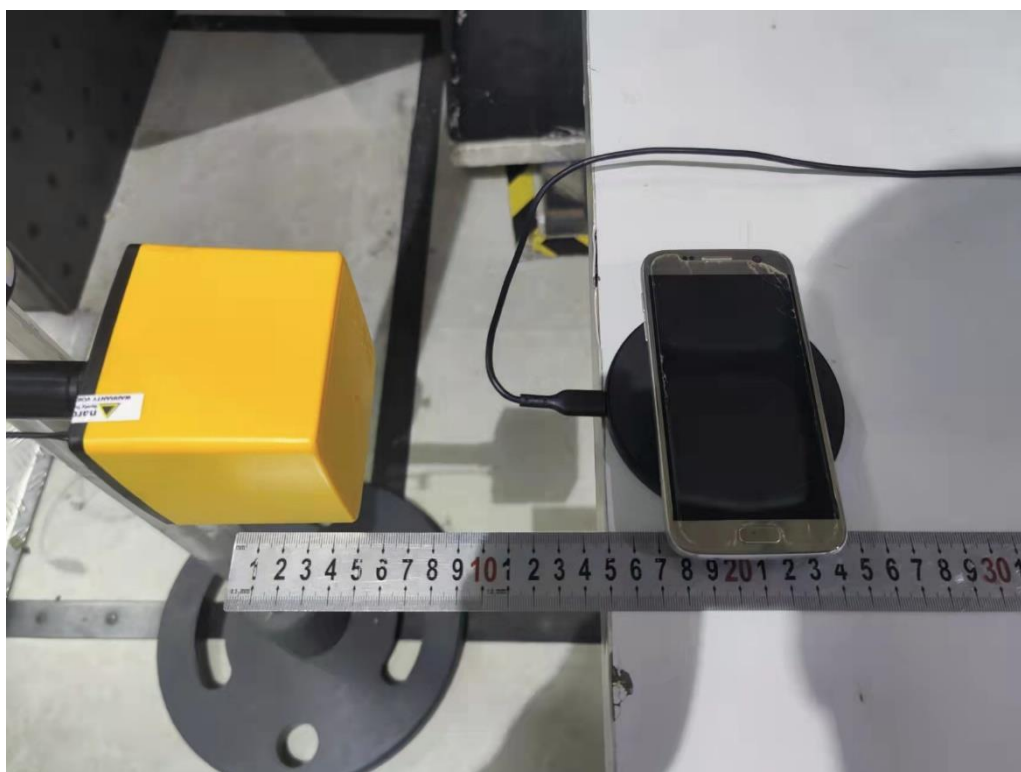
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.115-0.149	1% Battery Level	0.0934	0.0252	0.0369	0.0294	0.0275	614
0.115-0.149	50% Battery Level	0.0931	0.0248	0.0366	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:

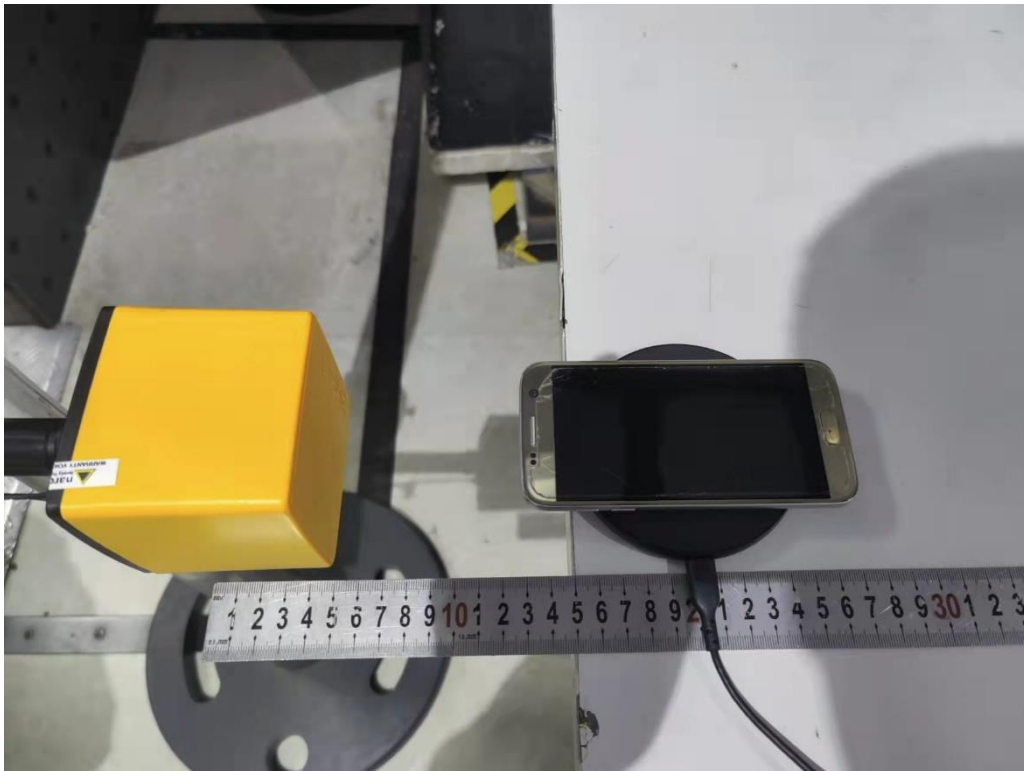
H-Field & E-Field Strength test photos



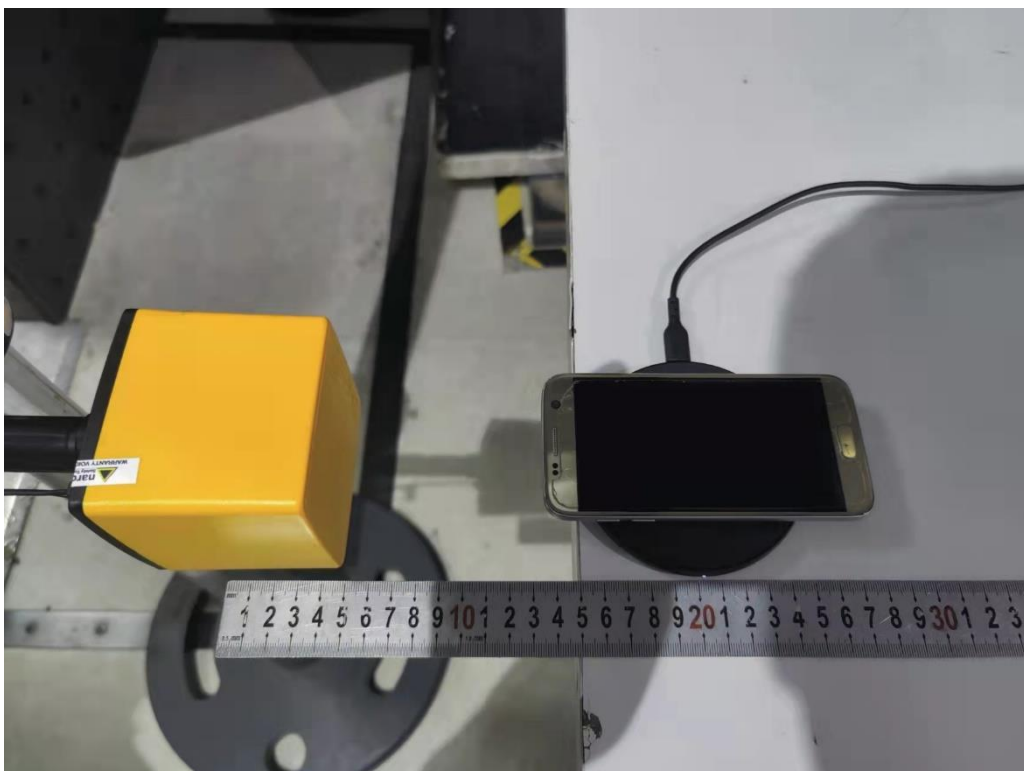
Front



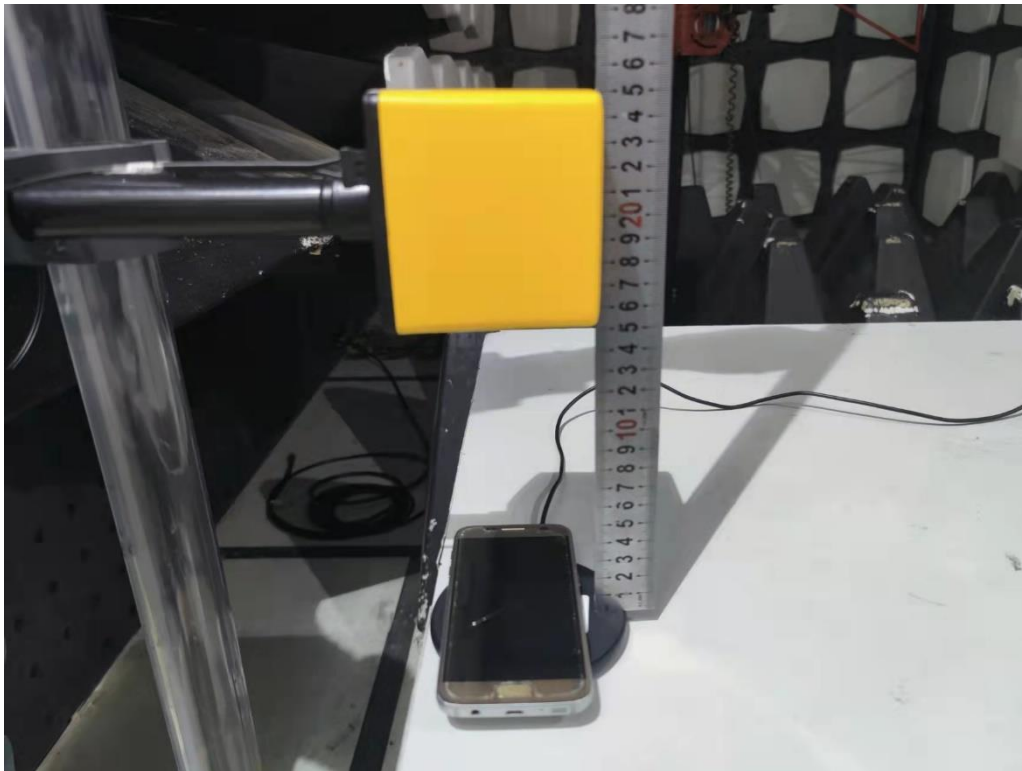
Rear



Left



Right



Top

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