

ASAP Technology (Jiangxi) Co., Ltd.

TEST REPORT

SCOPE OF WORK

SAR Assessment– LACA116, WIAWHT100012443

REPORT NUMBER

191204035SZN-002

ISSUE DATE

18 February 2020

[REVISED DATE]

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PAGES

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DOCUMENT CONTROL NUMBER

RF Exposure

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Test Report

Applicant : ASAP Technology (Jiangxi) Co., Ltd.
Ji'an Industrial Park Ji'an Jiangxi China

Sample Description

Product : Wireless Charger
Model No. : LACA116, WIAWHT100012443
Brand Name : onn.
Electrical Rating : Input: DC9V 1.67A;
Output: Each 5W Max. (Total: 10W Max.)

Date Received : 4 December 2019
Date Test Conducted : 4 December 2019 to 10 February 2020

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

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

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Date: 18 February 2020

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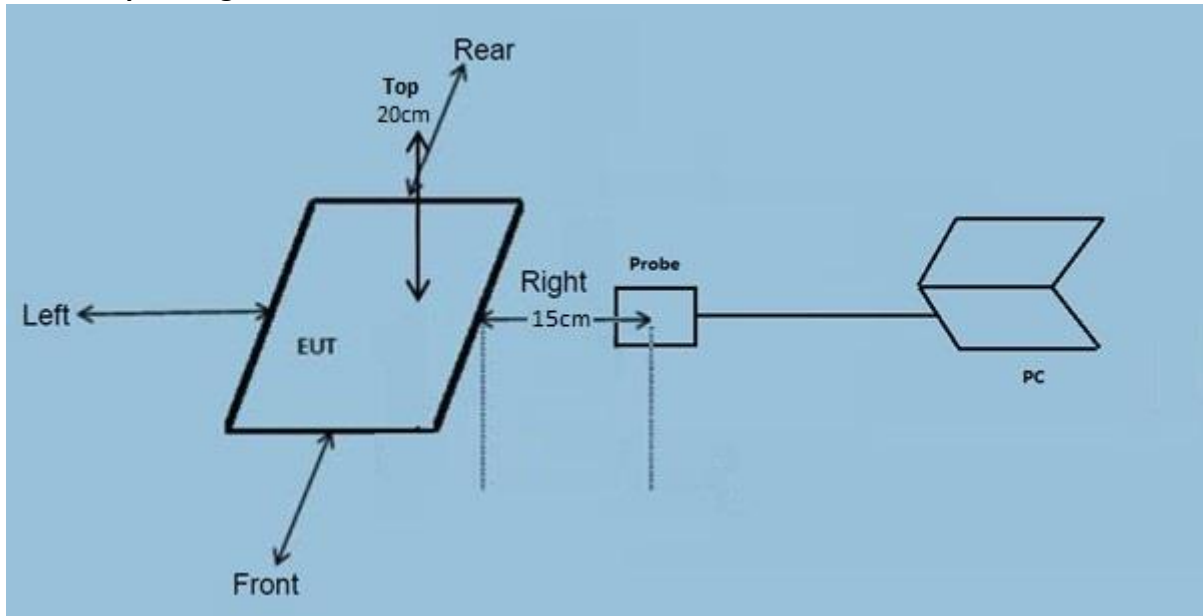
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Test Report

Test Setup Configuration



Note

- The RF exposure test is performed in the shield room.
- The test distance is between the edge of the charger and the geometric centre of probe.
- The model: WIAWHT100012443 is the same as the model LACA116 in hardware and electrical aspect.

Test Equipment List

Name of instrument	Model	Manufacturer	Cal. Date	Due Date
Electric and Magnetic Field Analyzer	EHP-50F	Narda	2019-06-27	2020-06-27

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 (Both sides are charging and Stand-by):

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)
0.110-0.205	1% Battery Level	0.0582	0.0498	0.0326	0.1196	0.0409	1.63
0.110-0.205	50% Battery Level	0.0575	0.0488	0.0321	0.1188	0.0405	1.63
0.110-0.205	99% Battery Level	0.0571	0.0495	0.0313	0.1190	0.0401	1.63
0.110-0.205	Stand-by	0.0025	0.0023	0.0025	0.0024	0.0024	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)
0.110-0.205	1% Battery Level	1.0853	0.7306	0.9632	0.9937	1.0136	614
0.110-0.205	50% Battery Level	1.0844	0.7298	0.9628	0.9931	1.0131	614
0.110-0.205	99% Battery Level	1.0845	0.7301	0.9626	0.9925	0.0132	614
0.110-0.205	Stand-by	0.0674	0.0682	0.0701	0.0691	0.0678	614

Test Result (Only the left side is charging):

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)
0.110-0.205	1% Battery Level	0.0571	0.0705	0.0684	0.0533	0.0568	1.63
0.110-0.205	50% Battery Level	0.0567	0.0702	0.0683	0.0532	0.0565	1.63
0.110-0.205	99% Battery Level	0.0569	0.0698	0.0683	0.0529	0.0567	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)
0.110-0.205	1% Battery Level	0.4027	0.4096	0.3832	0.4449	0.3884	614
0.110-0.205	50% Battery Level	0.4003	0.4089	0.3832	0.4442	0.3880	614
0.110-0.205	99% Battery Level	0.4025	0.4092	0.3826	0.4437	0.3878	614

Test Result (Only the right side is charging):

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

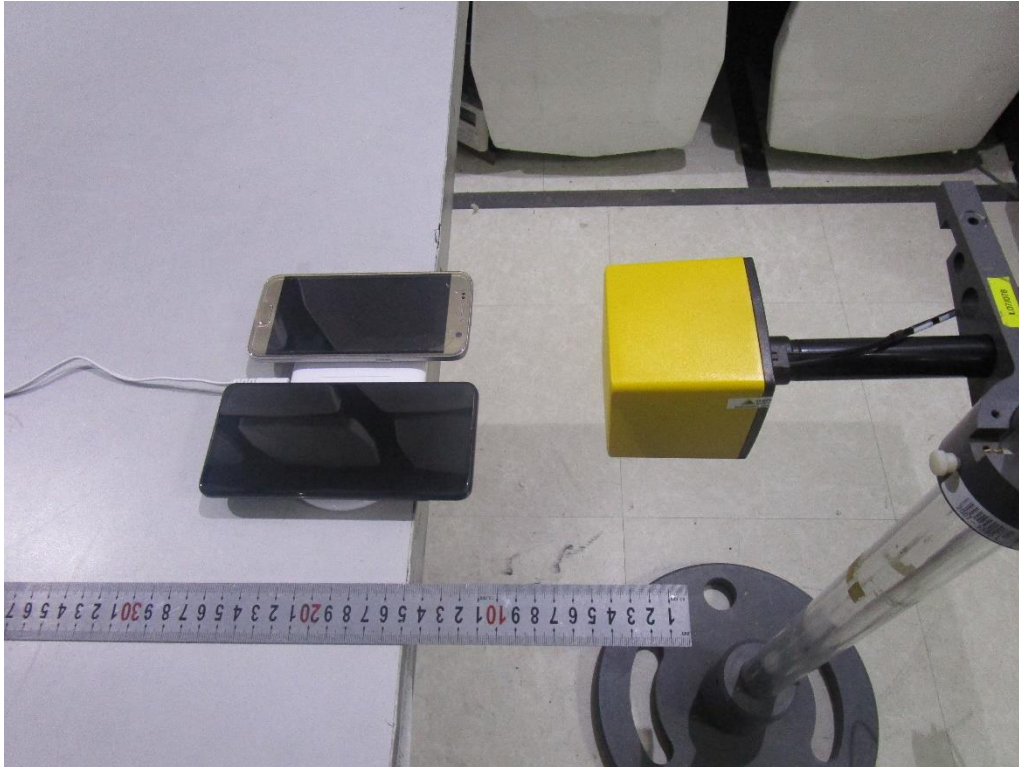
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (A/m)	Probe Position Rear (A/m)	Probe Position Left (A/m)	Probe Position Right (A/m)	Probe Position Top (A/m)	Limits (A/m)
0.110-0.205	1% Battery Level	0.1460	0.1432	0.4831	0.0765	0.0681	1.63
0.110-0.205	50% Battery Level	0.1455	0.1428	0.4827	0.0760	0.0678	1.63
0.110-0.205	99% Battery Level	0.1458	0.1423	0.4829	0.0762	0.0680	1.63

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

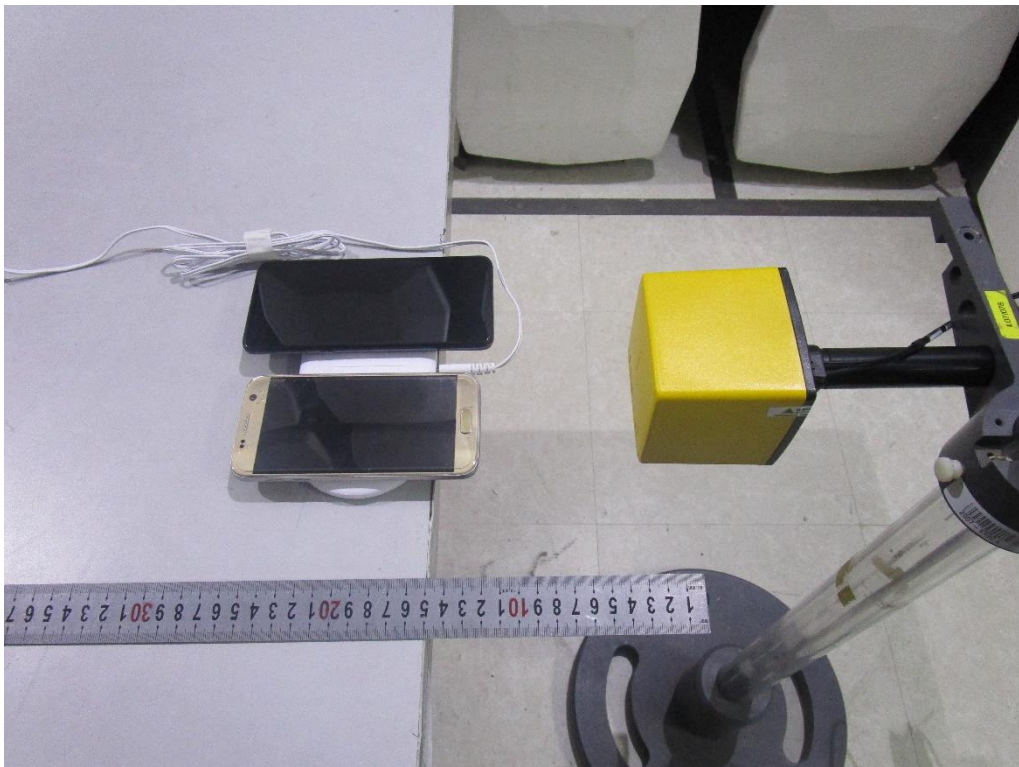
Frequency Range (MHz)	EUT Operation mode	Probe Position Front (V/m)	Probe Position Rear (V/m)	Probe Position Left (V/m)	Probe Position Right (V/m)	Probe Position Top (V/m)	Limits (V/m)
0.110-0.205	1% Battery Level	1.7959	0.6824	0.0694	0.9496	0.4638	614
0.110-0.205	50% Battery Level	1.7955	0.6821	0.0690	0.9489	0.4633	614
0.110-0.205	99% Battery Level	1.7951	0.6818	0.0685	0.9492	0.4629	614

Configuration photo of the test:

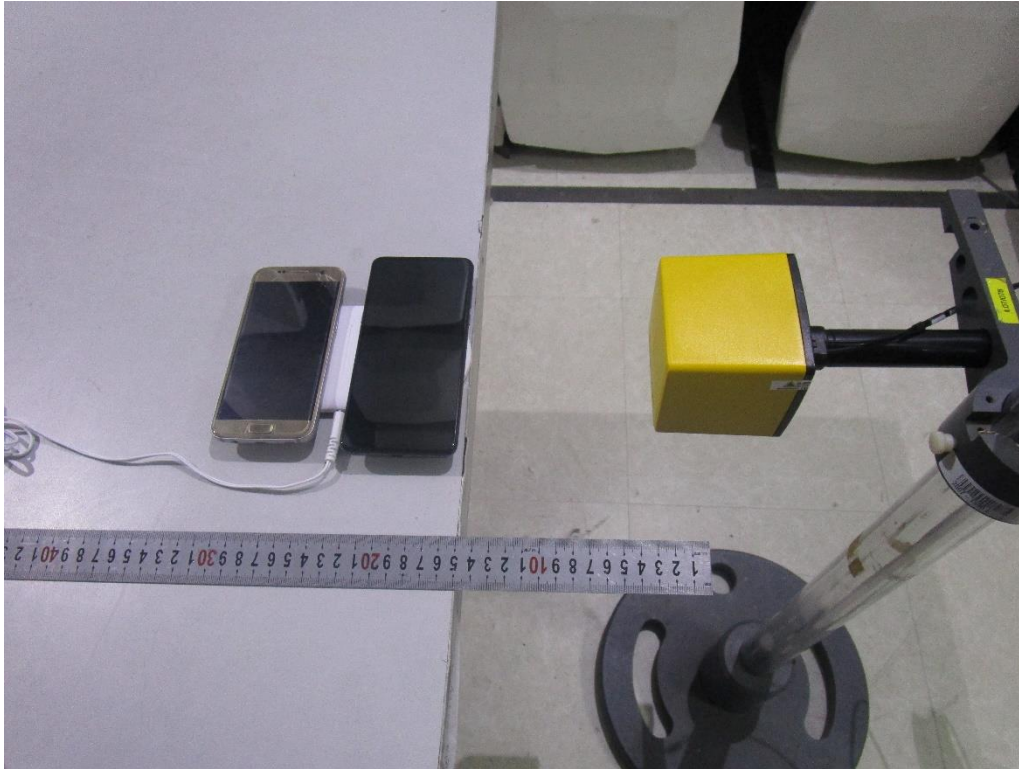
H-Field &E-Field Strength test photos (Both sides are charging)



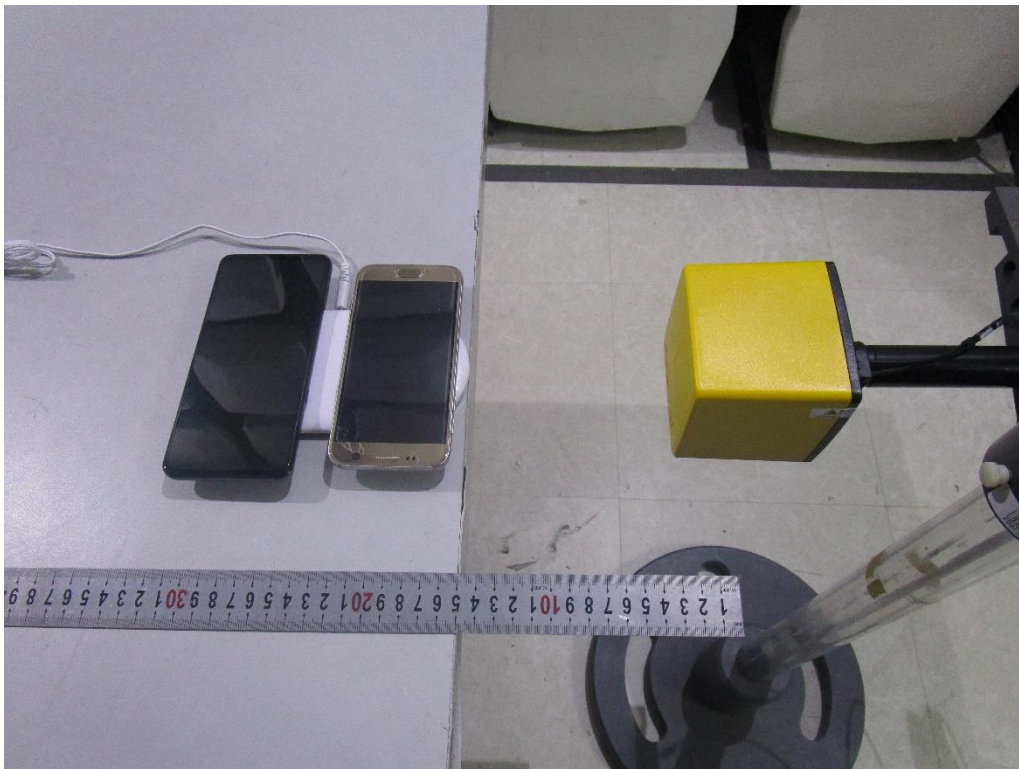
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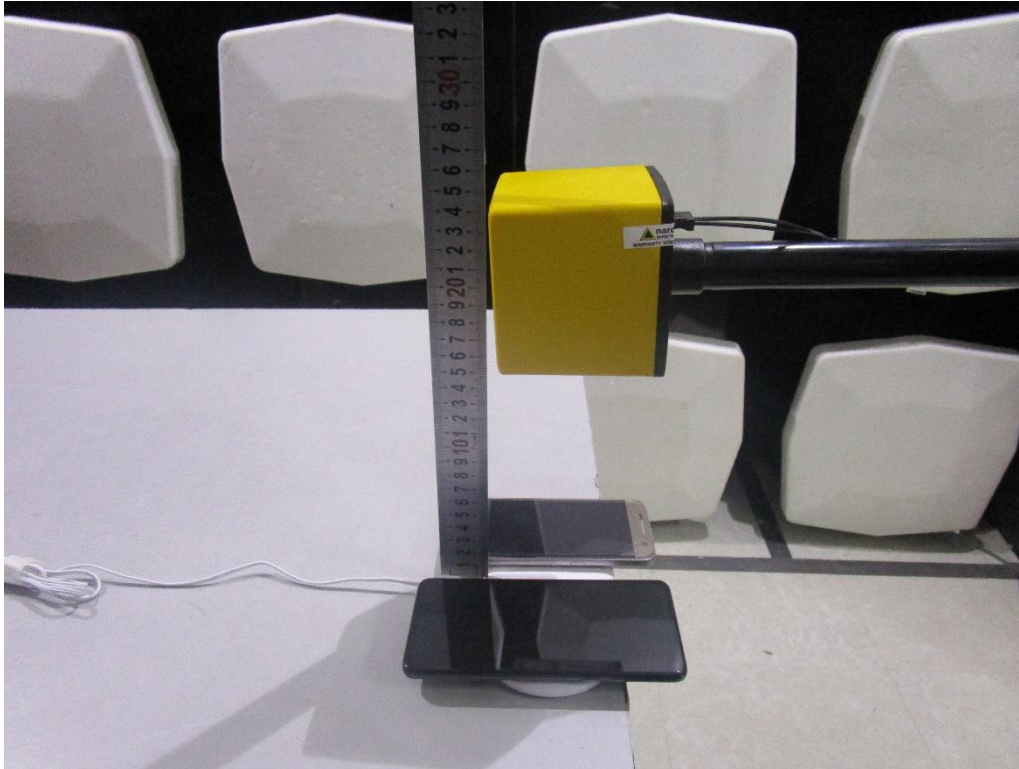
Rear



Left

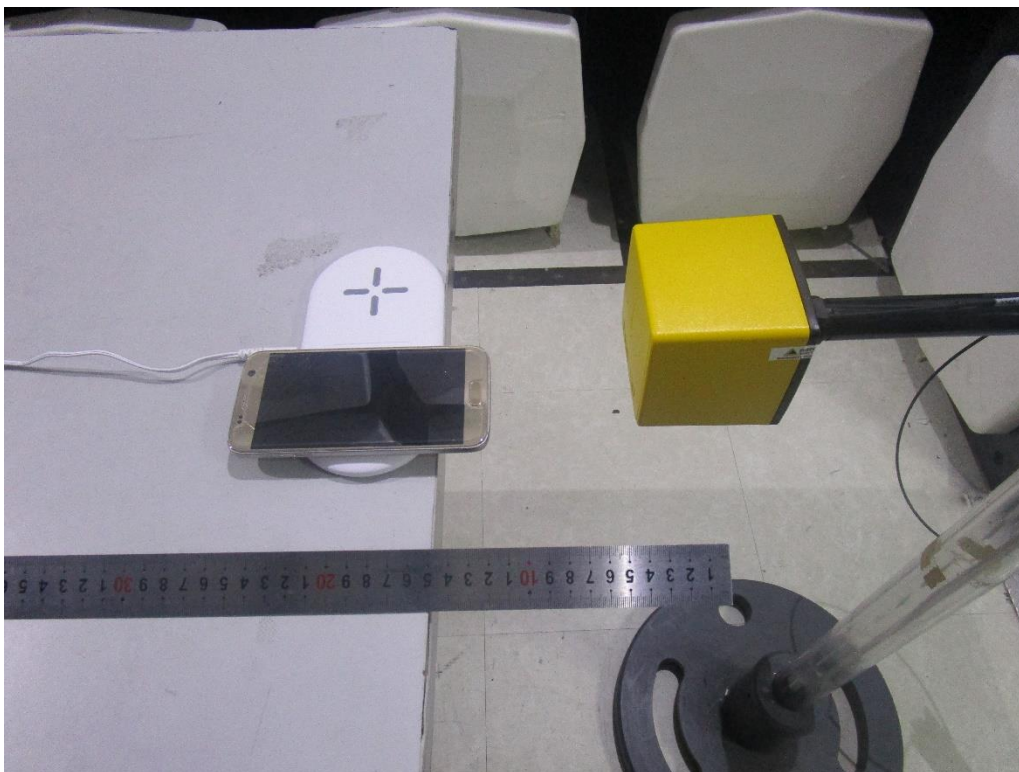


Right



Top

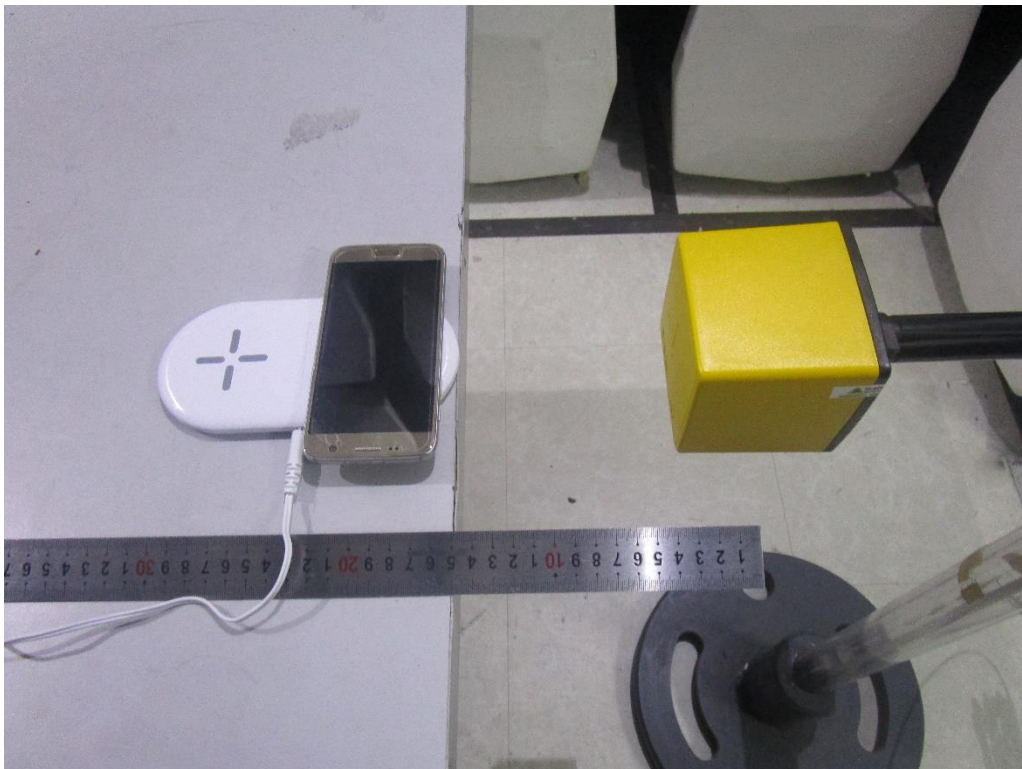
H-Field & E-Field Strength test photos (Only the left side is charging)



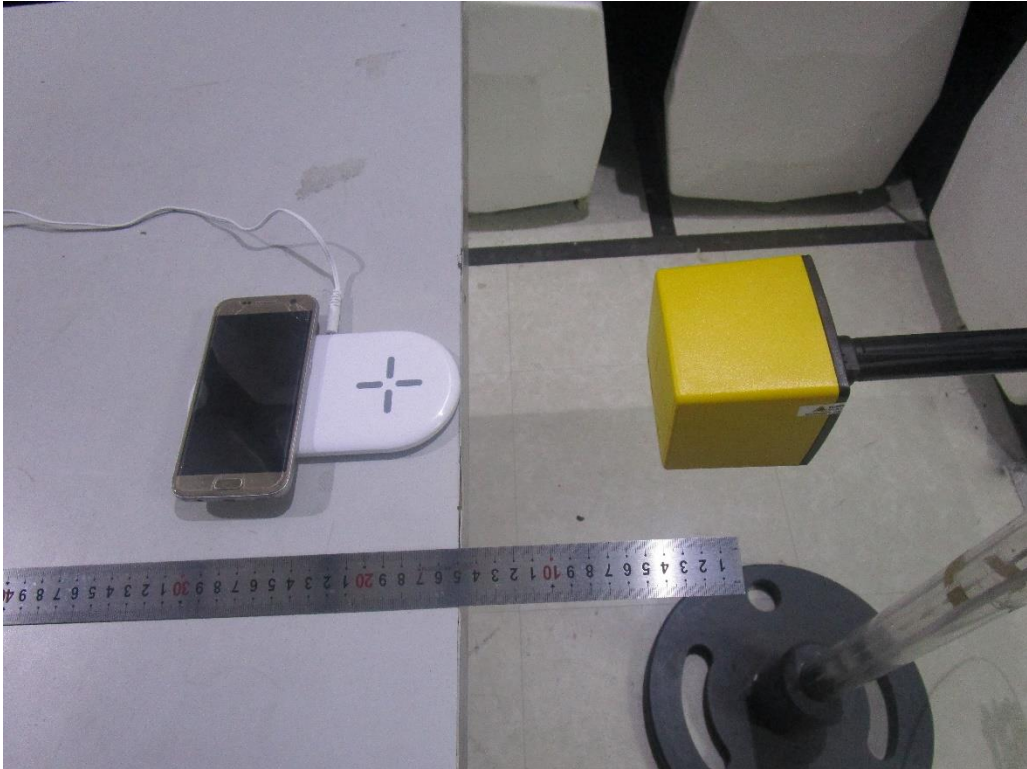
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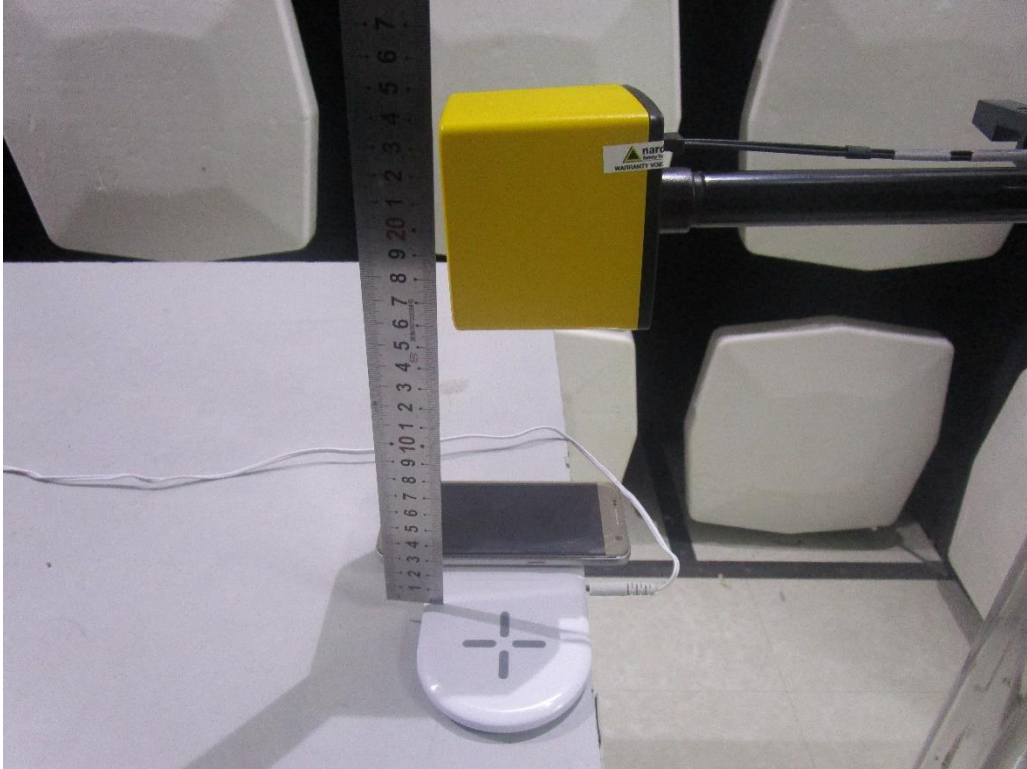
Rear



Left

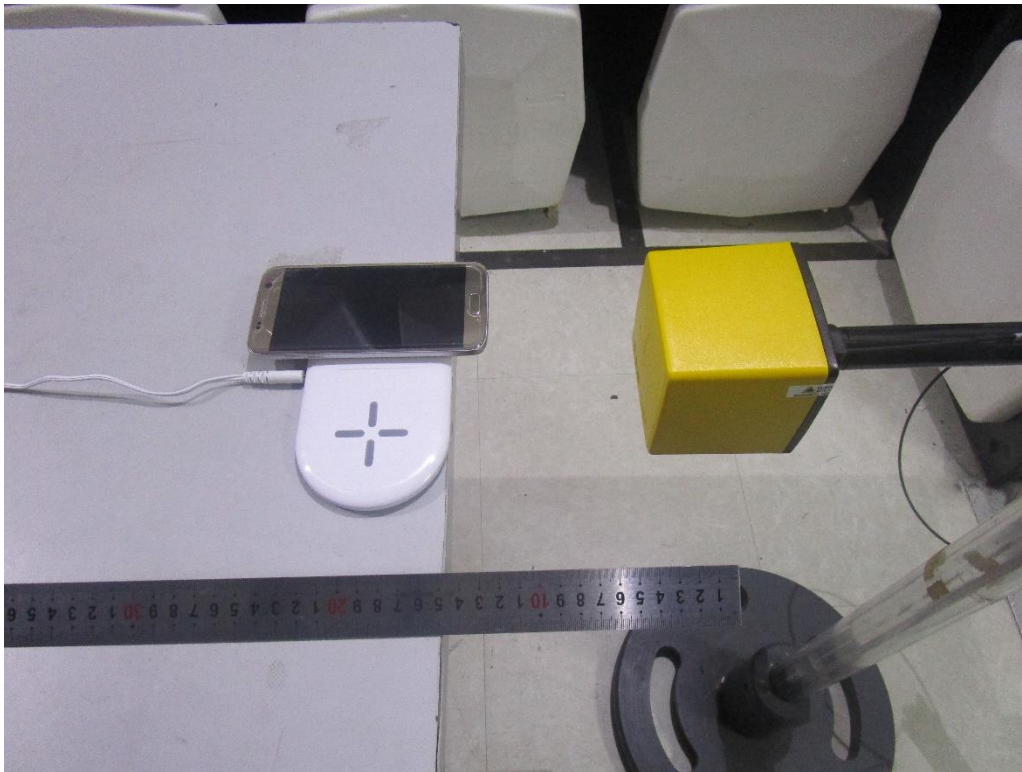


Right



Top

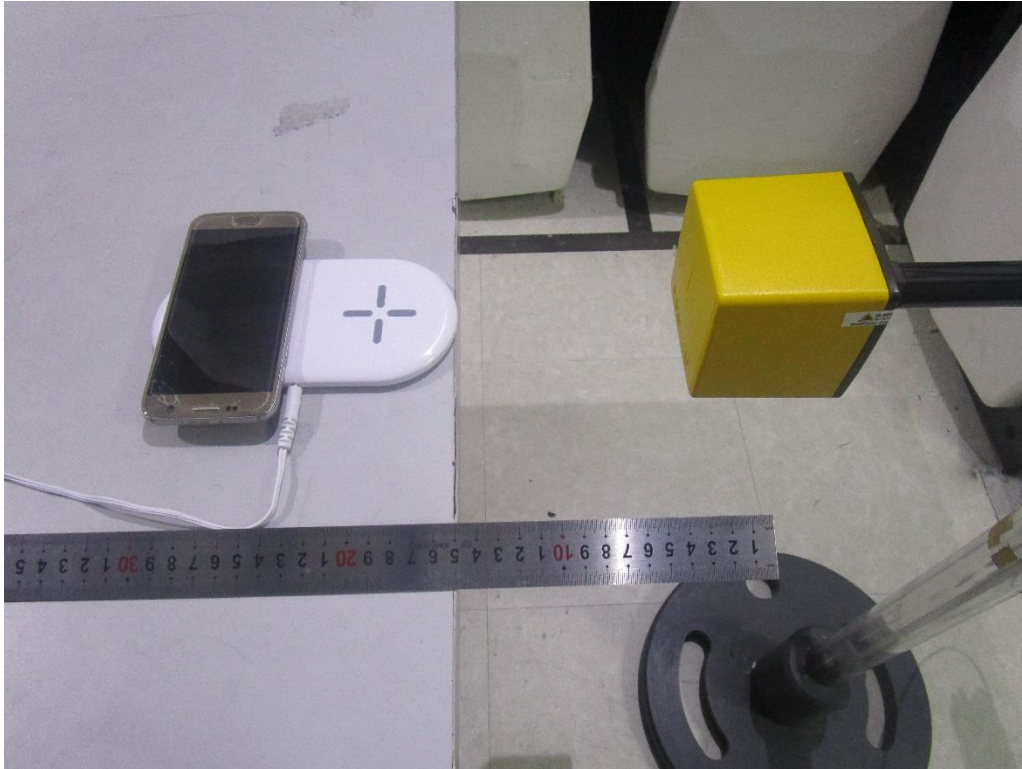
H-Field &E-Field Strength test photos (Only the right side is charging)



Front



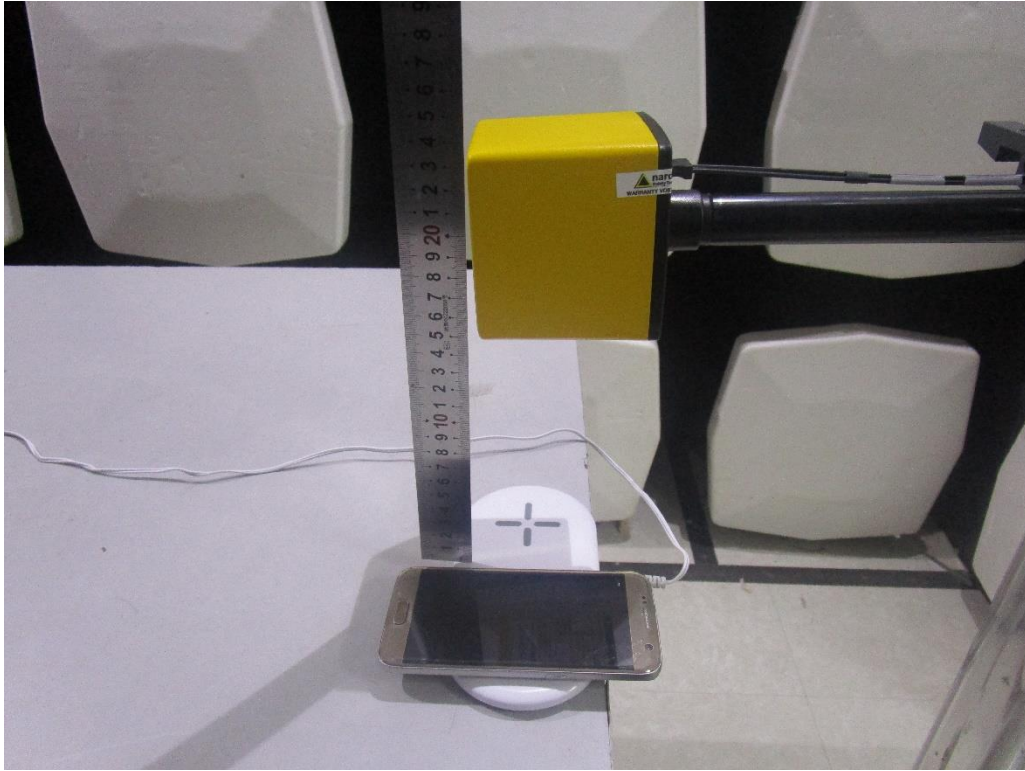
Rear



Left



Right



Top

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