

ASAP Technology (jiangxi) Co., Ltd

TEST REPORT

SCOPE OF WORK

SAR Assessment– 080-08-3220

REPORT NUMBER

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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 343100 China

Sample Description

Product : Wireless charger

Model No. : 080-08-3220

Brand Name : dealworthy

Electrical Rating : Input: DC 5V 3A, 9V 2.22A, 12V 1.5A
Wireless Output: 10.0W Max

Date Received : 30 April 2024

Date Test Conducted : 30 April 2024 to 25 June 2024

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 v04

Test Result : Pass

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

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Date: 25 June 2024

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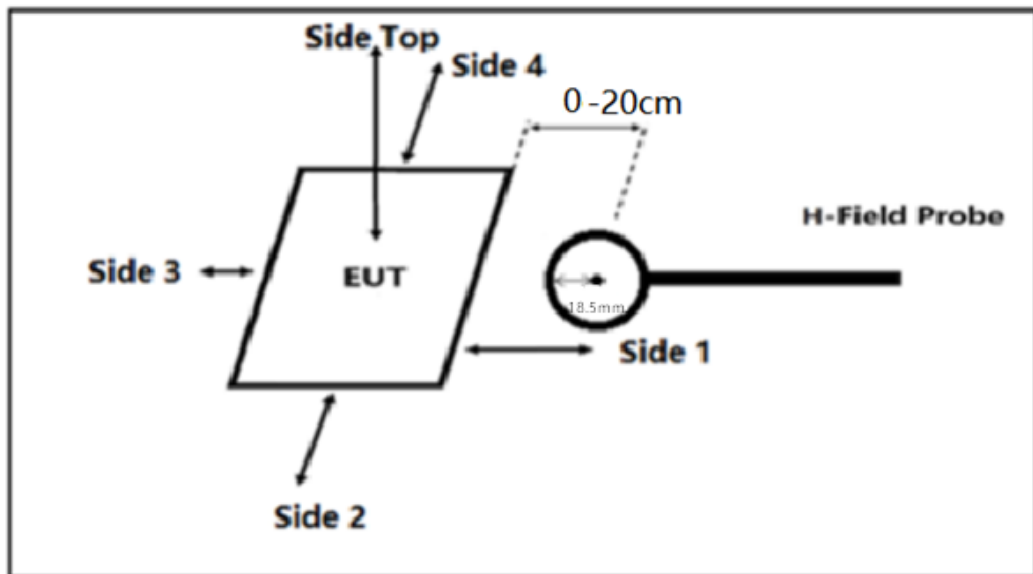
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Test Report

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 the measurement probe.

Test Equipment List

Equipment No.	Equipment	Manufacturer	Model No.	Cal. Date	Due Date
SZ186-06	The Magnetic Amplitude and Gradient Probe System	SPEAG	MAGPy-8D3D+E3D	2024-03-07	2025-03-07

Support Equipment List

Description	Manufacturer	Detail
Mobile phone	Samsung (Provided by Intertek)	Model: Samsung (SM-G9300)
Adapter	Quick Wall Charger (Provided by Client)	Model: 080-08-3220 Input: 100-240Vac 50/60Hz 0.5A Output: 5Vdc 3A, 9Vdc 2A, 12Vdc 1.5A

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: Pass
H-Field Strength at 20 cm surrounding 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)
0.115-0.205	1% Battery Level	0.35	0.30	0.33	0.35	0.38	1.63
0.115-0.205	50% Battery Level	0.32	0.29	0.31	0.34	0.34	1.63
0.115-0.205	99% Battery Level	0.29	0.26	0.29	0.33	0.31	1.63
0.115-0.205	Stand-by	0.25	0.24	0.26	0.29	0.30	1.63

E-Field Strength at 20 cm surrounding 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)
0.115-0.205	1% Battery Level	2.85	3.26	4.44	3.22	3.19	614
0.115-0.205	50% Battery Level	2.66	3.15	4.32	3.18	3.13	614
0.115-0.205	99% Battery Level	2.52	3.11	4.16	3.15	3.14	614
0.115-0.205	Stand-by	2.24	3.07	4.11	3.12	3.10	614

Configuration photo of the test:

Please refer to RF Exposure setup photos. pdf.

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