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Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

Telephone: +86-755-26648640
Fax: +86-755-26648637
Website: www.cqa-cert.com

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RF Exposure Evaluation Report

Report No.:	CQASZ20220801358E-02
Applicant:	Shenzhen Baseus Technology Co., Ltd.
Address of Applicant:	2th Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen.
Equipment Under Test (EUT):	
Product:	Wireless Charger
Model No.:	BS-W529
Test Model No.:	BS-W529
Brand Name:	Baseus
FCC ID:	2A482-W529
Standards:	47 CFR Part 1.1307
	47 CFR Part 1.1310
	KDB 680106 D01 RF Exposure Wireless Charging Base App v03r01
Date of Receipt:	2022-8-9
Date of Test:	2022-8-9 to 2022-8-16
Date of Issue:	2022-8-25

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1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20220801358E-02	Rev.01	Initial report	2022-8-25

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2 Contents

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3 General Information

3.1 Client Information

Applicant:	Shenzhen Baseus Technology Co., Ltd.
Address of Applicant:	2th Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen.
Manufacturer:	Shenzhen Baseus Technology Co., Ltd.
Address of Manufacturer:	2th Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen.
Factory:	DongGuan AnJu Electronic Technology Co., Ltd.
Address of Factory:	Floor 3, No. 1, HeXie Road, danwu village, Shijie Town, Dongguan City

3.2 General Description of EUT

Product Name:	Wireless Charger
Model No.:	BS-W529
Test Model No.:	BS-W529
Brand Name:	Baseus
Software Version:	V1.0
Hardware Version:	V1.0
EUT Power Supply:	DC 5V=2A, 9V=2A, 12V=2A

3.3 Product Specification subjective to this standard

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3.4 Test Environment

Operating Environment:	
Temperature:	25.5 °C
Humidity:	53 % RH
Atmospheric Pressure:	1009 mbar
Test Mode:	
Mode a:	Wireless output Mode at 15W (Max)

3.5 Description of Support Units

The EUT has been tested with associated equipment below.

1）Support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
Adapter	/	LPL-C010050200Z	/	CQA
Wireless charge load	/	/	/	CQA

2) Cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
/	/	/	/	/

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3.6 Test Location

Shenzhen Huaxia Testing Technology Co., Ltd.

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

3.7 Test Facility

- **A2LA (Certificate No. 4742.01)**
Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.
- **FCC Registration No.: 522263**
Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

3.8 Equipment List

Test Equipment	Manufacturer	Model No.	Instrument No.	Calibration Date	Calibration Due Date
Broadband Field Meter	Narda Safety Test Solutions GmbH	NBM-520	SB9873	2021/9/10	2022/9/9

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4 RF Exposure Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*($900/f^2$)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*($180/f^2$)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03

Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1

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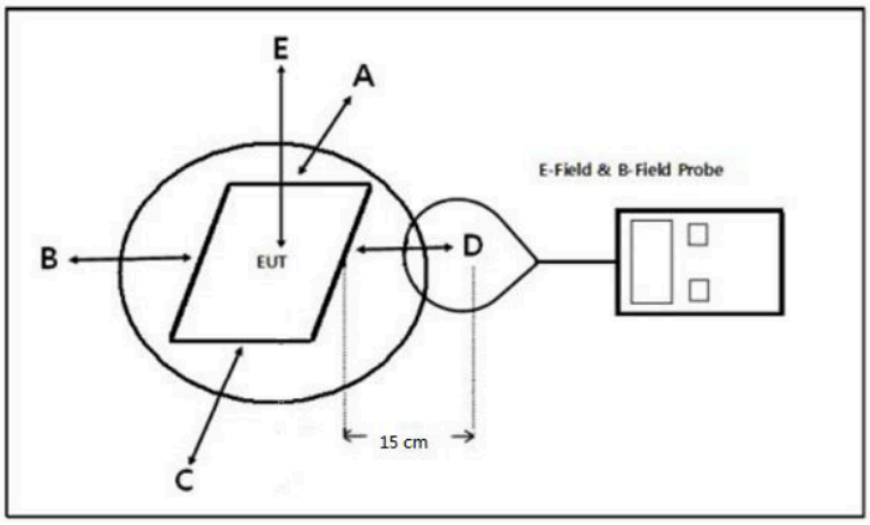
4.1.3 Test Setup



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(20 cm measure distance);

4.1.4 Test Results

The EUT does comply with item 5 KDB680106 D01 v03r01.

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Test condition: Mode a

E-field strength test result:

Frequency Range	Probe Position A (V/m)	Probe Position B (V/m)	Probe Position C (V/m)	Probe Position D (V/m)	Probe Position E (V/m)	Limit (V/m)
120.355kHz	3..61	2.36	1.98	1.55	2.09	614

H-field strength test result:

Frequency Range	Probe Position A (A/m)	Probe Position B (A/m)	Probe Position C (A/m)	Probe Position D (A/m)	Probe Position E (A/m)	Limit (A/m)
120.355kHz	0.32	0.39	0.30	0.31	0.29	1.63

Document Details

FCC ID	2A482-W529
Document ID	6110669
Document Type	RF Exposure Info
Description	RF Exposure Evaluation Report
Document Title	HD 271 S1
Applicant	Shenzhen Baseus Technology Co., Ltd.
Equipment Class	Wireless Charger
Product Code	W529
Application ID	mLdrKhbPRtiuqmATViBhXQ==

Application Date	2022-09-09
Frequency Range	0.115-0.205 MHz
FRN	0032035966
Test Firm	Shenzhen Huaxia Testing Technology Co., Ltd
Certified By	Harry Wang Certified Engineer
Short-Term Confidentiality	No
Long-Term Confidentiality	No
Grant Deferral	No
Modular Equipment	Does not apply
Composite Device	No
Composite Part	No
Submitted	2022-09-09
Available	2022-09-09
Created	2022-08-25
Modified	2022-08-25
Pages	10
File Type	Adobe Acrobat PDF
File Size	490565
File SHA-256	179e204e5ef22b65866db730ffd2c221fec290c95d8a0e5322d7d6676fdae609
PDF Metadata Author	LAB02
PDF Metadata Producer	WPS 文字
FCC.gov Sources	FCC.gov 6110669

Related FCC Exhibits

User Manual	Users Manual	2022-09-09	PDF 313 KB
Internal Photos	Internal Photos	2022-09-09	PDF 1.7 MB
External Photos	External Photos	2022-09-09	PDF 1.8 MB
ID Label	ID Label/Location Info	2022-09-09	PDF 837.9 KB
Test Setup Photos	Test Setup Photos	2022-09-09	PDF 621.9 KB
Antenna Specification	Test Report	2022-09-09	PDF 196.7 KB
Test Report	Test Report	2022-09-09	PDF 4.9 MB
Agent Authorization Letter	Cover Letter(s)	2022-09-09	PDF 398.8 KB
Confidentiality Request Letter	Cover Letter(s)	2022-09-09	PDF 388.4 KB
RF Exposure Evaluation Report	RF Exposure Info	2022-09-09	PDF 479.1 KB
Block Diagram Metadata only	Block Diagram		PDF 35.6 KB
Schematics Metadata only	Schematics		PDF 264.4 KB
Operational Description Metadata only	Operational Description		PDF 80.6 KB

FCC ID — wireless certification records, FCC applications, exhibits, and device documents.

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