Certificate #4338.01

MPE Test Report

Report No.: STS2603337H01

Issued for

Shenzhen Baseus Technology Co., Ltd.

2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China.

Product Name:	Power Bank
Brand Name:	baseus
Model Name:	E00341
Series Model(s):	N/A
FCC ID:	2A482-E00341
Test Standard:	FCC CFR 47 part 1, 1.1310

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

TEST RESULT CERTIFICATION

Applicant's Name ..... :	Shenzhen Baseus Technology Co., Ltd.
Address ..... :	2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China.
Manufacturer's Name..... :	Shenzhen Baseus Technology Co., Ltd.
Address ..... :	2nd Floor, Building B, Baseus Intelligence Park, No.2008, Xuegang Rd, Gangtou Community, Bantian Street, Longgang District, Shenzhen, China.

Product Description

Product Name ..... :	Power Bank
Brand Name ..... :	baseus
Model Name ..... :	E00341
Series Model(s) ..... :	N/A
Standards ..... :	FCC CFR 47 part 1, 1.1310
Test Procedure ..... :	KDB 680106 D01 Wireless Power Transfer v04

This device described above has been tested by STS, the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Shenzhen STS Test Services Co., Ltd.

Date of Test ..... :	
Date of receipt of test item..... :	03 Mar. 2026
Date of performance of tests .. :	03 Mar. 2026 to 10 Mar. 2026
Date of Issue ..... :	10 Mar. 2026
Test Result..... :	**Pass**

Testing Engineer : Aaron Bu

(Aaron Bu)

Technical Manager : Skylar Li

(Skylar Li)

Authorized Signatory : Bovey Yang

(Bovey Yang)

SHENZHEN STS TEST SERVICES CO., LTD. TESTING APPROVAL

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Revision History

Rev.	Issue Date	Report No.	Effect Page	Contents
00	10 Mar. 2026	STS2603337H01	ALL	Initial Issue

1. SUMMARY OF TEST RESULTS

1.1 TEST FACTORY

SHENZHEN STS TEST SERVICES CO., LTD

Add. : 101, Building B, Zhuoke Science Park, No.190 Chongqing Road, ZhanChengShequ, Fuhai Sub-District, Bao'an District, Shenzhen, Guang Dong, China

FCC test Firm Registration Number: 625569

IC test Firm Registration Number: 12108A

A2LA Certificate No.: 4338.01

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement **y** ±**U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** %.

No.	Item	Uncertainly
1	H-filed	±0.83dB
2	E-filed	±0.91dB

1.3 GENERAL DESCRIPTION OF THE EUT

Product Name	Power Bank
Brand	baseus
Model Number	E00341
Series Model(s)	N/A
Model Difference	N/A
Equipemnt Category	Non-ISM frequency
Antenna Type	loop coil antenna
Operating frequency	110.5kHz-148.5kHz, 360kHz
Modulation Type	ASK
Power Rating	Input: DC 5V/3A, DC 9V/2.22A Output: DC 5V/2.4A, DC 9V/3A, DC 10V/2.25A, DC 12V/2.5A Total Output: 5V/3A Wireless Output: 5W/7.5W/10W/15W/25W Battery: DC 3.6V
Adapter	N/A
Battery	DC 3.6V
Wireless charging power	25W Max
Hardware version number	N/A
Software version number	N/A
Connecting I/O Port(s)	Please refer to the Note 1.

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User Manual.
2. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	NOTE
1	N/A	N/A	loop coil antenna	N/A	Antenna

The EUT antenna is Coil Antenna. No antenna other than that furnished by the responsible party shall be used with the device.

1.4 DESCRIPTION OF THE TEST MODES

Equipment under test was operated during the measurement under the following conditions:

Test Mode	Description	
Mode 1	AC Adapter + EUT + Load(5W, 110.5-148.5kHz) (Battery Status: < 1%)	Record
Mode 2	AC Adapter + EUT + Load(5W, 110.5-148.5kHz) (Battery Status: < 50%)	Record
Mode 3	AC Adapter + EUT + Load(5W, 110.5-148.5kHz) (Battery Status: < 99%)	Record
Mode 4	EUT + Load(15W, 110.5-148.5kHz) (Battery Status: < 1%)	Record
Mode 5	EUT + Load(15W, 110.5-148.5kHz) (Battery Status: < 50%)	Pre-tested
Mode 6	EUT + Load(15W, 110.5-148.5kHz) (Battery Status: < 99%)	Pre-tested
Mode 7	EUT + Load(25W, 360kHz) (Battery Status: < 1%)	Record
Mode 8	EUT + Load(25W, 360kHz) (Battery Status: < 50%)	Pre-tested
Mode 9	EUT + Load(25W, 360kHz) (Battery Status: < 99%)	Pre-tested
Mode 10	Test the EUT in idle mode.	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

1.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last calibration	Calibrated until
Electric and Magnetic field Probe - Analyzer	NARDA	EHP-200A	180ZX10220	2026.02.04	2027.02.03

1.6 DESCRIPTION OF NECESSARY ACCESSORIES AND SUPPORT UNITS

Item	Equipment	Mfr/Brand	Model/Type No.	Note
E-1	Adapter	ZTC	NB-A515A	N/A
E-2	Load	YBZ	V3.1	Support BPP 5W/IPHHONE 7.5W/MPP 15W/Samsung 10W/EPP 15W

Item	Shielded Type	Ferrite Core	Length	Note
C-1	N/A	N/A	0.8m	N/A

Note:

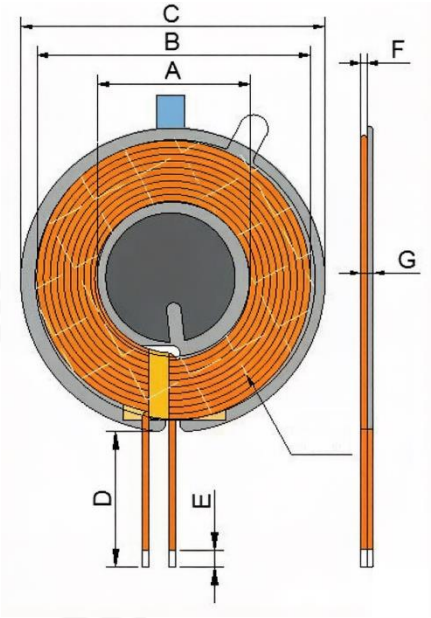
(1) For detachable type I/O cable should be specified the length in cm in『Length』column.

(2) “YES” is means “with core”; “NO” is means “without core”.

2. Coil Specifications

Item	Parameter
Input inductance:	L1: 8.1uH±5%
Material of enclosure(s):	Silk wrapped wire
Number of turns:	Transmitter 1: 11turns

2.1 COIL SIZE



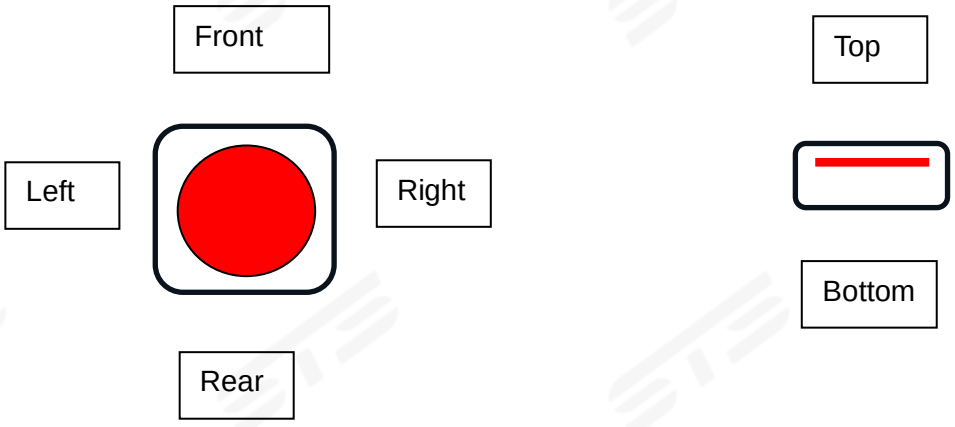
Unit: mm

A	B	C	D	E	F	G
21.8±0.5	39±0.5	42.4±0.2	43±1.0	2-4	0.8±1.0	1.65 Max

2.2 LOCATION(S) – COIL TO THE OUTER SURFACE OF THE ENCLOSURE(S)

Unit: mm

Front A	Rear B	Left C	Right D	Top E	Bottom F
11	64	12	12	2	25



3. MAXIMUM PERMISSIBLE EXPOSURE

3.1MEASURING STANDARD

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Cocmission's guidelines. According to §1.1310 and §2.1091 RF exposure is calculated. According KDB680106 D01: KDB 680106 D01 Wireless Power Transfer v04.

3.2 REQUIREMENTS

According to the item 3 of KDB 680106 D01v04:

Inductive wireless power transfer applications that meet all of the following requirements are excluded from submitting an RF exposure evaluation.

(1) Mobile Device and Portable Device Configurations

(2) Equipment Authorization Procedures for Devices Operating at Frequencies Below 4 MHz

(3) The aggregate H-field strengths anywhere at or beyond 20 cm surrounding the device.

Limits

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 1.1307(b)

Limit of Maximum Permissible Exposure

Limits for Occupational / Controlled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time $\|E\|^2$,$\|H\|^2$ or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

Limits for General Population / Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm²)	Averaging Time $\|E\|^2$,$\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180 / f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1	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

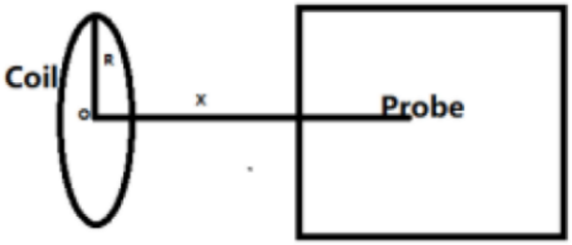
Note 3: Emissions between 100 kHz to 300 kHz should be assessed versus the limits at 300 kHz in Table 1 of Section 1.1310: 614 V/m and 1.63 A/m. A KDB inquiry is required to determine the applicable exposure limits below 100 kHz.

Note 4: The aggregate H-field strengths at 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

3.3TEST PROCEDURE

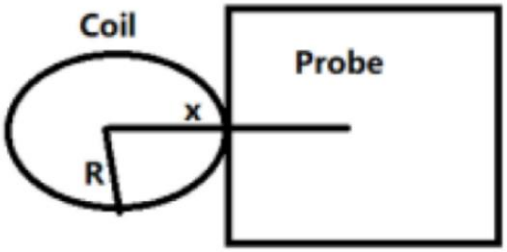
1) The RF exposure test was performed in anechoic chamber.
2) The measurement probe was placed at test distance (2cm increments from 0 ~ 20 cm for all sides for portable mode, 15 cm from all sides and 20 cm from the top for mobile mode) which is between the edge of the charger and the geometric edge of probe.
3) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E, F) were completed.
4) The EUT was measured according to the dictates of KDB 680106 D01 Wireless Power Transfer v04.
5) According to the reguirements if KDB 680106 D01 v04, If the center of the probe sensing element is located more than 5mm from the probe outer surface, the field strengths need to be estimated through modeling for those positions that are not reachable. (The sensitive elements are located approximately 18.5 mm below the external surface specified in user manual of MAGPy-8H3D+E3D)
6) Use Biot-Savart Law, the value of 0 cm can be estimated through the results of 2 cm, according to the formula:

Top & Bottom Side:



$$B = \frac{\mu_0 * I * N * R^2}{2 * (R^2 + x^2)^{3/2}}$$

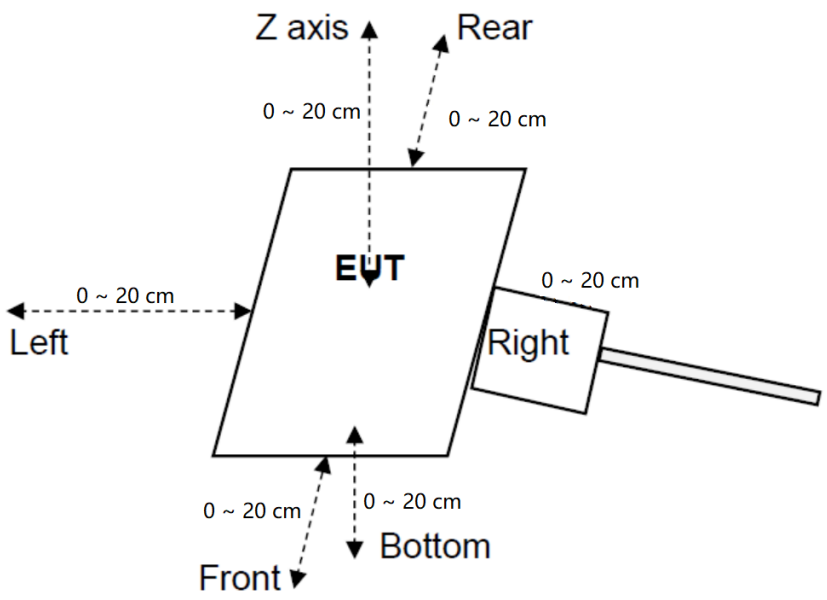
Front, left, right & rear Side:

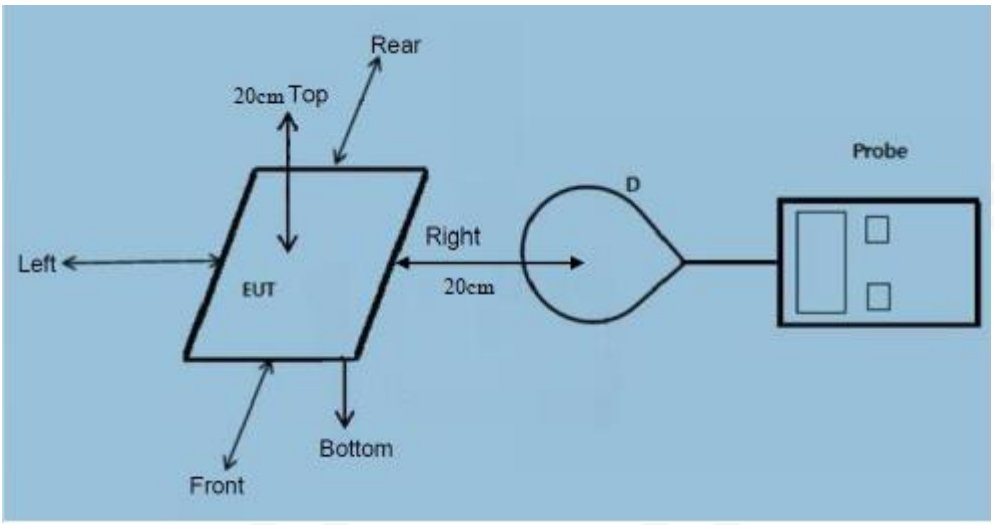


$$B = \frac{\mu_0 * I * N}{2 * x}$$

Remark:
B: H-field (Unit:T)
u_0: Space permeability = 4*pi*10^{-7}
I (Unit: A):The current element passing through a radiated coil
R: Radius of radiated coil, according to the coil specification: R=0.015m
X: The distance from the sensing elements of the probe to the edge of the radiated coil (the dimensions of EUT and load are take into account), (Unit: m)
N: Turns of the radiated coil, according to the coil specification: N=15.

3.4 TEST SETUP





3.5 TEST RESULTS

The EUT does comply with item 3 KDB680106 D01 v04.

(1) Power transfer frequency is less than 1 MHz.

Yes, The working frequency is 110.5kHz-148.5kHz, 360kHz.

(2) Output power from each primary coil is less than or equal to 15 watts.

No, The maximum output power is 25 watts.

(3) A client device providing the maximum permitted load is placed in physical contact with the transmitter(i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact)

Yes, The maximum permitted load is placed in physical contact with the transmitter.

(4) Only $ 2.1091-Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portableexposure conditions)

No.the EUT is Portable condition assessment.

(5) (5)The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, aredemonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. Thesemeasurements shall be taken along the principal axes of the device, with one axis oriented along thedirection of the estimated maximum field strength, and for three points per axis or until a 1/d (inversedistance from the emitter structure) field strength decay is observed. Symmetry considerations may be usedfor test reduction purposes. The device shall be operated in documented worst-case complianee scenarios(i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coilsor antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

Yes, The H-field strengths, at and beyond 20 cm surrounding the device surface, are demonstrated to be less than 50% of the applicable MPE limit ; coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power.

(6) For systems with more than one radiating structure, the conditions specified in (5) must be met whenthe system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiatingstructures operating at maximum power at the same time. as per design conditions, if the design allows oneor more radiating structures to be powered at a higher level while other radiating structures are not poweredthen those cases must be tested as well, For instance, a device may use three RF coils powered at 5 W, orone coil powered at 15 W: in this case, both scenarios shall be tested.

Yes, For systems with single radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time.

3.6 MAXIMUM PERMISSIBLE EXPOSURE

For Mobile Mode: We measured the distance of 20cm, 22cm and 24cm, and recorded the test data of the worst 20cm.

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
20cm	< 1%	Top	1.139	0.019
20cm	< 1%	Bottom	0.963	0.090
20cm	< 1%	Left	0.891	0.026
20cm	< 1%	Right	0.867	0.019
20cm	< 1%	Front	0.472	0.006
20cm	< 1%	Rear	0.451	0.027
Limit			614	1.63

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
20cm	< 50%	Top	1.057	0.015
20cm	< 50%	Bottom	0.963	0.087
20cm	< 50%	Left	0.833	0.026
20cm	< 50%	Right	0.828	0.027
20cm	< 50%	Front	0.438	0.009
20cm	< 50%	Rear	0.410	0.015
Limit			614	1.63

MPE				
Test distance	Battery levels	Probe from EUT Side	E-field (V/m)	H-field (A/m)
20cm	< 99%	Top	1.059	0.013
20cm	< 99%	Bottom	0.915	0.100
20cm	< 99%	Left	0.820	0.038
20cm	< 99%	Right	0.774	0.032
20cm	< 99%	Front	0.404	0.019
20cm	< 99%	Rear	0.388	0.031
Limit			614	1.63

Note: All test modes were pre-tested, but we only recorded the worst case in this report.

Mode 4

Note: <1%, 50%, >95% load all have been tested, only worse case Max load (<1%) is reported.

H-Filed Strength at (distance 0cm to 20cm at 2cm iteration, i.e. at a distance of 20cm, 18cm, 16cm, … 0cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (A/m)

Battery < 1% (Worst case)

Test Distance (cm)	Test Position A (A/m)	Test Position B (A/m)	Test Position C (A/m)	Test Position D (A/m)	Test Position E (A/m)	Test Position F (A/m)	Limit (A/m)
6	0.135	0.098	0.130	0.132	0.048	0.058	1.63
8	0.126	0.099	0.128	0.128	0.021	0.036	
10	0.122	0.089	0.119	0.126	0.013	0.017	
12	0.117	0.079	0.119	0.124	0.014	0.019	
14	0.112	0.065	0.109	0.118	0.014	0.013	
16	0.108	0.058	0.107	0.112	0.012	0.015	
18	0.107	0.056	0.100	0.109	0.011	0.016	
20	0.103	0.037	0.101	0.101	0.009	0.010	

Use the Biot-Sacart Law to estimated the results of 6cm through 8cm

Test position	Measure Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.135	0.153	13.62%	30%
B	0.098	0.112	14.06%	30%
C	0.130	0.155	18.97%	30%
D	0.132	0.155	17.17%	30%
E	0.048	0.045	-5.40%	30%
F	0.058	0.071	22.73%	30%

Use the Biot-Sacart Law to estimated the results of 8cm through 10cm

Test position	Measure Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.126	0.144	14.12%	30%
B	0.099	0.099	0.17%	30%
C	0.128	0.140	9.00%	30%
D	0.128	0.148	15.41%	30%
E	0.021	0.024	15.28%	30%
F	0.036	0.030	-17.27%	30%

As the model is sufficient, the calue of 4cm can be estimated through the results of 6 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.173	1.63
B	0.113	
C	0.164	
D	0.167	
E	0.130	
F	0.137	

As the model is sufficient, the calue of 2cm can be estimated through the results of 4 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.239	1.63
B	0.132	
C	0.223	
D	0.226	
E	0.479	
F	0.425	

As the model is sufficient, the calue of 0cm can be estimated through the results of 2 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.388	1.63
B	0.160	
C	0.347	
D	0.352	
E	1.434	
F	1.687	

Mode 7

Note: <1%, 50%, >95% load all have been tested, only worse case Max load (<1%) is reported.

H-Filed Strength at (distance 0cm to 20cm at 2cm iteration, i.e. at a distance of 20cm, 18cm, 16cm, … 0cm, Which is between the edge of the charger and the edge of of probe,) surrounding the EUT (A/m)

Battery < 1% (Worst case)

Test Distance (cm)	Test Position A (A/m)	Test Position B (A/m)	Test Position C (A/m)	Test Position D (A/m)	Test Position E (A/m)	Test Position F (A/m)	Limit (A/m)
6	0.136	0.102	0.134	0.138	0.048	0.057	1.63
8	0.125	0.100	0.126	0.125	0.021	0.036	
10	0.120	0.086	0.125	0.126	0.014	0.021	
12	0.116	0.081	0.114	0.118	0.020	0.020	
14	0.118	0.065	0.109	0.122	0.016	0.011	
16	0.109	0.052	0.110	0.109	0.012	0.012	
18	0.104	0.055	0.104	0.108	0.006	0.014	
20	0.110	0.041	0.097	0.104	0.013	0.008	

Use the Biot-Sacart Law to estimated the results of 6cm through 8cm

Test position	Measure Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.136	0.152	11.89%	30%
B	0.102	0.113	10.69%	30%
C	0.134	0.152	13.62%	30%
D	0.138	0.151	9.45%	30%
E	0.048	0.045	-5.40%	30%
F	0.057	0.071	24.88%	30%

Use the Biot-Sacart Law to estimated the results of 8cm through 10cm

Test position	Measure Value (A/m)	Estimated Value (A/m)	Agreement Ratio	Limits
A	0.125	0.141	13.14%	30%
B	0.100	0.096	-4.17%	30%
C	0.126	0.147	16.31%	30%
D	0.125	0.148	18.18%	30%
E	0.021	0.026	24.14%	30%
F	0.036	0.037	2.19%	30%

As the model is sufficient, the calue of 4cm can be estimated through the results of 6 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.174	1.63
B	0.117	
C	0.169	
D	0.174	
E	0.130	
F	0.135	

As the model is sufficient, the calue of 2cm can be estimated through the results of 4 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.241	1.63
B	0.137	
C	0.230	
D	0.237	
E	0.479	
F	0.417	

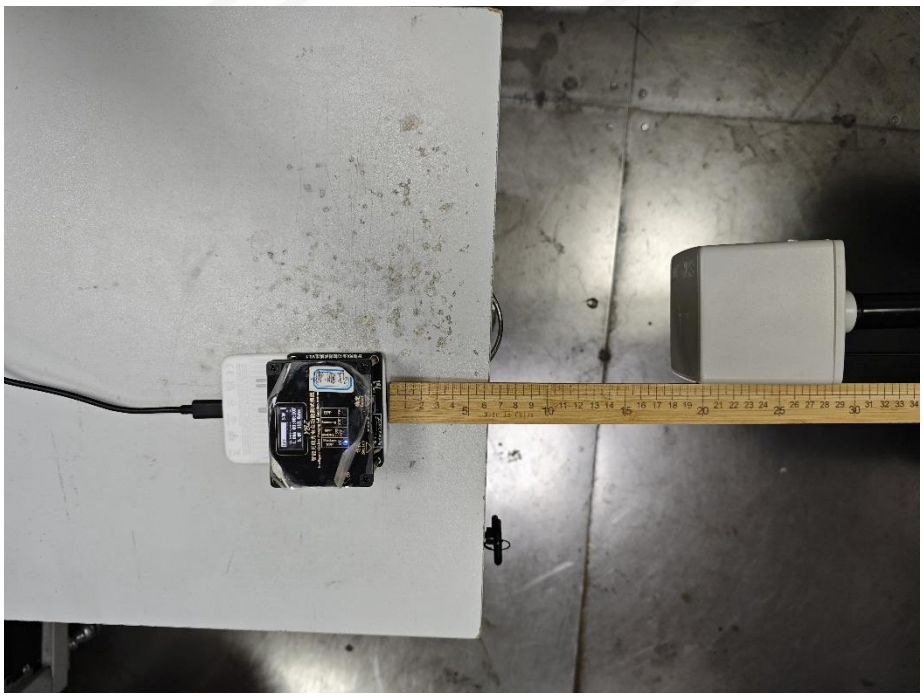
As the model is sufficient, the calue of 0cm can be estimated through the results of 2 cm

Test position	Estimated Value (A/m)	Limits (A/m)
A	0.391	1.63
B	0.166	
C	0.357	
D	0.368	
E	1.434	
F	1.658	

MPE Setup photo

0cm

20cm



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