TEST REPORT

Report No.:	BCTC2204040320-2E
Applicant:	TYLT, inc.
Product Name:	Power Stand
Model/Type Ref.:	QIMSPP3KW-T
Tested Date:	2022-04-28 to 2022-05-10
Issued Date:	2022-05-10

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2AOAF-740

Product Name:	Power Stand
Trademark:	TYLT
Model/Type Ref.:	QIMSPP3KW-T 4899Q
Prepared For:	TYLT, inc.
Address:	685 Cochran St. Suite 200, Simi Valley, California 93065, United States
Manufacturer:	Shenzhen Pilot Technology Co., Ltd.
Address:	101 A1 Industrial Park, building a1, No.7, Shankeng Road, Shanxia Community, Pinghu Street, Longgang District, Shenzhen City China.
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2022-04-26
Sample tested Date:	2022-04-28 to 2022-05-10
Report No.:	BCTC2204040320-2E
Test Standards:	FCC CFR 47 part1, 1.1307(b), 1.1310
Test Results:	PASS

Tested by:

Brave Zeng/ Project Handler

Approved by:

Zero Zhou/Reviewer

The test report is effective only with both signature and specialized stamp. This result(s) shown in this report refer only to the sample(s) tested. Without written approval of Shenzhen BCTC Testing Co., Ltd, this report can't be reproduced except in full. The tested sample(s) and the sample information are provided by the client.

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1. Version

Report No.	Issue Date	Description	Approved
BCTC2204040320-2E	2022-05-10	Original	Valid

2. Product Information

2.1 Product Information

Model/Type Ref.:	QIMSPP3KW-T 4899Q
Model differences:	These models are identical in circuitry and electrical, mechanical and physical construction; Only the model name is different; We chose QIMSPP3KW-T as the final test prototype
Product Description:	Power Stand
Operation Frequency:	110-205KHz
Antenna installation:	loop coil antenna
Ratings:	AC 120V/60Hz & DC 3.7V
Hardware Version:	N/A
Software Version:	N/A

2.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
1.	Adapter	Huntkey	BCTC-1	---	---

Notes:
1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

2.3 Test Mode

Test Modes 1	Standby mode
Test Modes 2	Wireless (5W)
Test Modes 3	Charging (DC 5V 2A)+Wireless 5W

3. Test Facility and Test Instrument Used

3.1 Test Facility

All measurement facilities used to collect the measurement data are located at Shenzhen BCTC Testing Co., Ltd. Address:1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Tangwei, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China. The site and apparatus are constructed in conformance with the requirements of ANSI C63.4 and CISPR 16-1-1 other equivalent standards.
FCC Test Firm Registration Number: 712850
IC Registered No.: 23583

3.2 Test Instrument Used

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Electromagnetic radiation tester	Wavecontrol	SMP160	19SN0980	Aug. 30, 2021	Aug. 29, 2022
Electromagnetic field probe	Wavecontrol	WP400-3	20WP120082	Aug. 30, 2021	Aug. 29, 2022
843 Chamber	ETS	843	84301	Aug. 27, 2020	Aug. 26, 2023

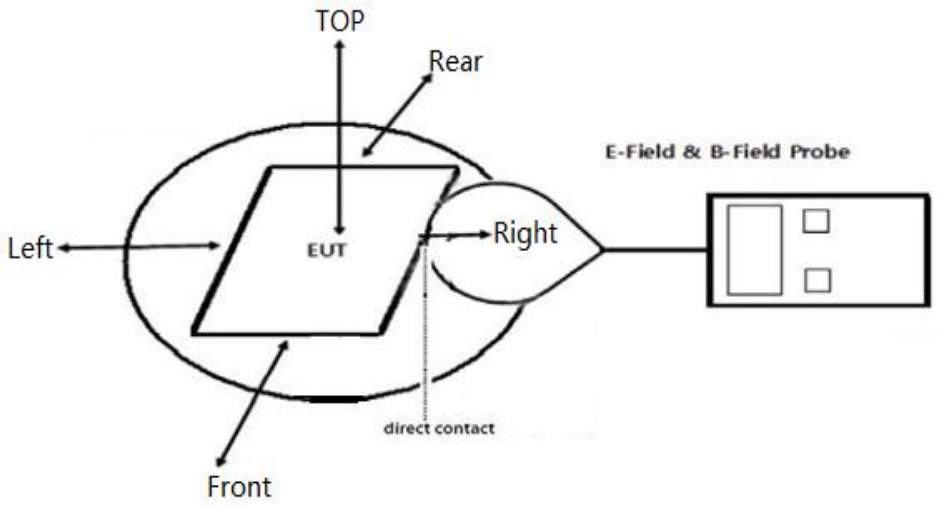
4. Method Of Measurement

4.1 Applicable Standard

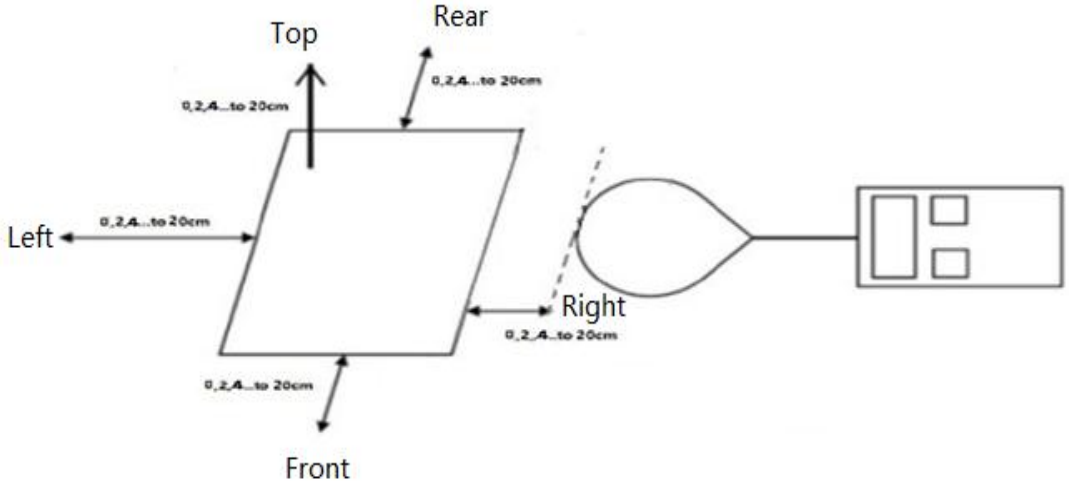
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB 680106 D01 RF Exposure Wireless Charging.

4.2 Block Diagram Of Test Setup

A:



B：



4.3 Limit

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

4.4 Test Procedure

1) RF exposure test was performed in anechoic chamber.
2) The measurement probe was placed at 0 cm surrounding the device for test setup A; and the measurement Probe was placed from 0 cm to 20 cm, in 2 cm maximum increment measured from the edge of the device For the test setup B.
3) The highest emission level was recorded and compared with limit as soon as measurement of eachd) The highest emission level was recorded and compared with limit as soon as measurement of each points (left, right, front, rear and top) were completed.
4) The EUT was measured according to the dictates of KDB680106 D01
5) Remark:

   The EUT's test position left, right, front, rear and top is valid for the E and H field measurements.

4.5 E And H Field Strength

For setup A:
Worst Case Operating Mode: Mode 2

H-Filed Strength at 0 cm from edges surrounding the EUT (A/m)

Frequency Range (KHz)	Operation condition	Test Position Front (A/m)	Test Position Rear (A/m)	Test Position Left (A/m)	Test Position Right (A/m)	Test Position Top (A/m)	Limits (A/m)
110-205KHz	Full load	0.205	0.183	0.207	0.198	0.189	1.63
110-205KHz	Half load	0.191	0.157	0.199	0.187	0.187	1.63
110-205KHz	No load	0.193	0.136	0.189	0.182	0.179	1.63

E-Field Strength at 0 cm from edges surrounding the EUT (V/m)

Frequency Range (KHz)	Operation condition	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
110-205KHz	Full load	0.207	0.199	0.212	0.199	0.195	614
110-205KHz	Half load	0.198	0.196	0.199	0.197	0.194	614
110-205KHz	No load	0.193	0.181	0.190	0.192	0.196	614

For setup B:
Worst Case Operating Mode: Mode 2

Full Load

E-Field Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
0	0.212	0.199	0.213	0.192	0.184	614
2	0.201	0.192	0.193	0.185	0.172	614
4	0.185	0.192	0.194	0.187	0.201	614
6	0.190	0.186	0.195	0.195	0.181	614
8	0.191	0.192	0.187	0.196	0.182	614
10	0.173	0.201	0.177	0.193	0.184	614
12	0.201	0.197	0.185	0.182	0.185	614
14	0.212	0.191	0.184	0.195	0.216	614
16	0.183	0.192	0.203	0.195	0.183	614
18	0.180	0.186	0.187	0.195	0.182	614
20	0.179	0.177	0.192	0.194	0.191	614

H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position Front (A/m)	Test Position Rear(A/m)	Test Position Left (A/m)	Test Position Right (A/m)	Test Position Top (A/m)	Limits (A/m)
0	0.213	0.198	0.213	0.192	0.186	1.63
2	0.202	0.187	0.193	0.183	0.177	1.63
4	0.184	0.191	0.197	0.185	0.205	1.63
6	0.194	0.185	0.195	0.198	0.181	1.63
8	0.192	0.196	0.186	0.196	0.182	1.63
10	0.173	0.204	0.173	0.194	0.186	1.63
12	0.204	0.197	0.184	0.188	0.186	1.63
14	0.212	0.195	0.182	0.197	0.217	1.63
16	0.183	0.191	0.203	0.197	0.184	1.63
18	0.187	0.186	0.184	0.192	0.182	1.63
20	0.178	0.177	0.192	0.197	0.191	1.63

Half Load

E-Field Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
0	0.213	0.199	0.2	0.192	0.186	614
2	0.202	0.186	0.187	0.186	0.176	614
4	0.186	0.190	0.191	0.187	0.205	614
6	0.191	0.185	0.186	0.195	0.181	614
8	0.192	0.191	0.192	0.196	0.182	614
10	0.174	0.200	0.201	0.193	0.186	614
12	0.202	0.195	0.196	0.184	0.186	614
14	0.213	0.190	0.191	0.195	0.216	614
16	0.184	0.192	0.193	0.195	0.183	614
18	0.181	0.185	0.186	0.191	0.182	614
20	0.18	0.176	0.177	0.196	0.191	614

H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position Front (A/m)	Test Position Rear(A/m)	Test Position Left (A/m)	Test Position Right (A/m)	Test Position Top (A/m)	Limits (A/m)
0	0.192	0.193	0.185	0.186	0.187	1.63
2	0.203	0.202	0.188	0.201	0.183	1.63
4	0.191	0.181	0.178	0.187	0.186	1.63
6	0.185	0.167	0.185	0.177	0.194	1.63
8	0.176	0.193	0.198	0.185	0.202	1.63
10	0.191	0.173	0.198	0.168	0.186	1.63
12	0.196	0.164	0.175	0.215	0.183	1.63
14	0.185	0.195	0.172	0.156	0.192	1.63
16	0.192	0.205	0.186	0.188	0.175	1.63
18	0.183	0.196	0.136	0.186	0.192	1.63
20	0.194	0.189	0.178	0.191	0.194	1.63

NO-load

E-Field Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

Test distance (cm)	Test Position Front (V/m)	Test Position Rear (V/m)	Test Position Left (V/m)	Test Position Right (V/m)	Test Position Top (V/m)	Limits (V/m)
0	0.213	0.200	0.212	0.213	0.186	614
2	0.202	0.187	0.192	0.193	0.176	614
4	0.186	0.191	0.193	0.194	0.205	614
6	0.191	0.186	0.194	0.195	0.181	614
8	0.192	0.192	0.185	0.186	0.182	614
10	0.174	0.201	0.172	0.173	0.186	614
12	0.202	0.196	0.183	0.184	0.186	614
14	0.213	0.191	0.181	0.182	0.216	614
16	0.184	0.193	0.202	0.203	0.183	614
18	0.181	0.186	0.183	0.184	0.182	614
20	0.18	0.177	0.190	0.191	0.191	614

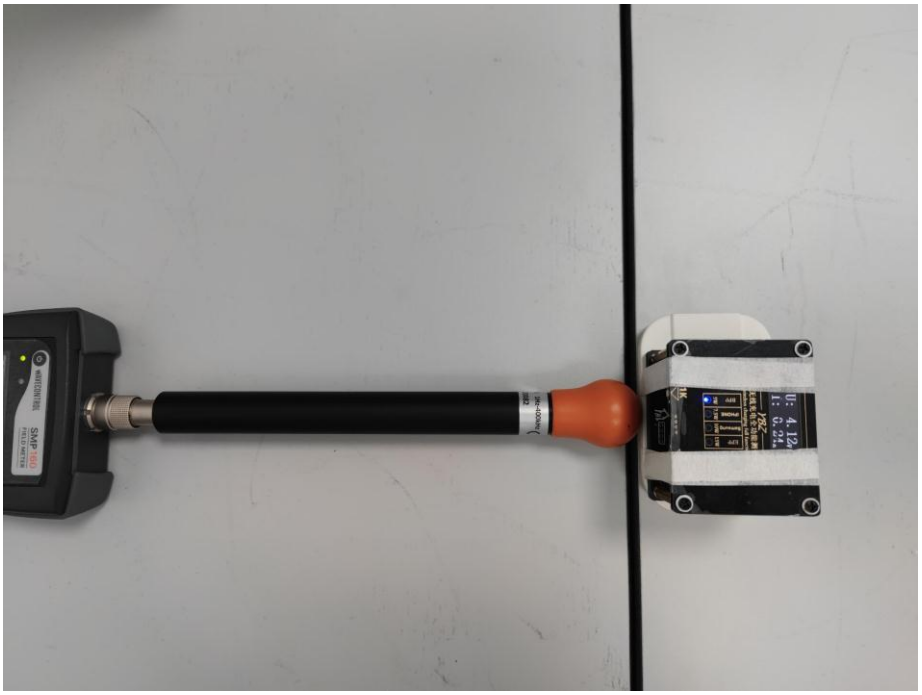
H-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (A/m)

Test distance (cm)	Test Position Front (A/m)	Test Position Rear(A/m)	Test Position Left (A/m)	Test Position Right (A/m)	Test Position Top (A/m)	Limits (A/m)
0	0.175	0.183	0.184	0.182	0.211	1.63
2	0.205	0.187	0.188	0.186	0.191	1.63
4	0.211	0.200	0.201	0.199	0.192	1.63
6	0.187	0.206	0.207	0.205	0.193	1.63
8	0.188	0.208	0.209	0.207	0.184	1.63
10	0.210	0.18	0.181	0.179	0.171	1.63
12	0.187	0.215	0.216	0.214	0.182	1.63
14	0.186	0.206	0.207	0.205	0.18	1.63
16	0.178	0.172	0.173	0.171	0.201	1.63
18	0.166	0.203	0.204	0.202	0.182	1.63
20	0.215	0.19	0.191	0.189	0.189	1.63

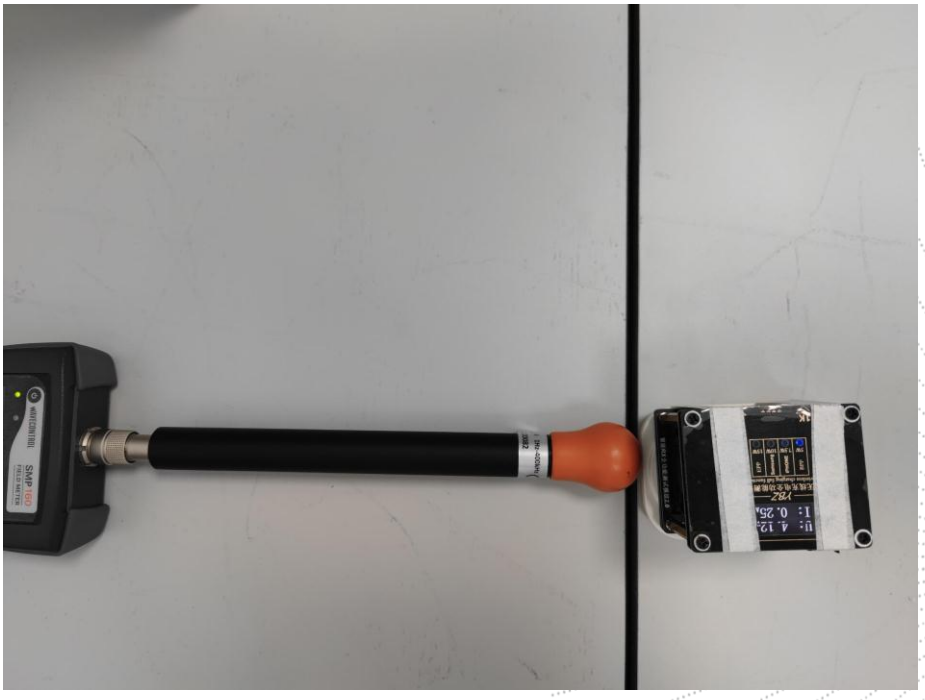
Note: In the frequency range of 1k-10M, except the fundamental frequency, other transmissions of the power transmission system are less than 20dB lower than the maximum fundamental transmission, so it is not necessary to evaluate.

5. Photographs of Test Set-Up

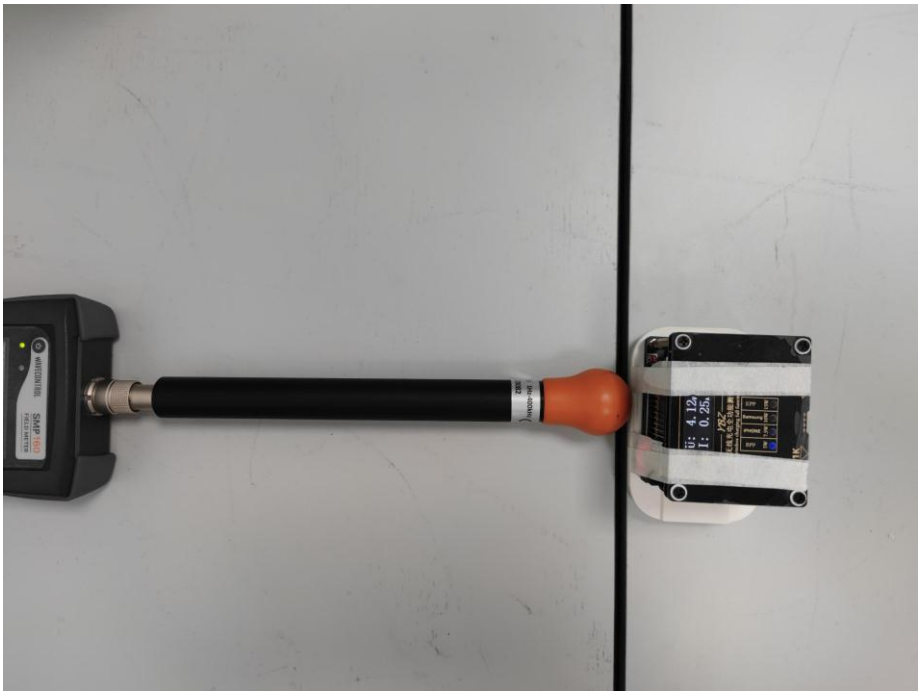
Left - 0CM



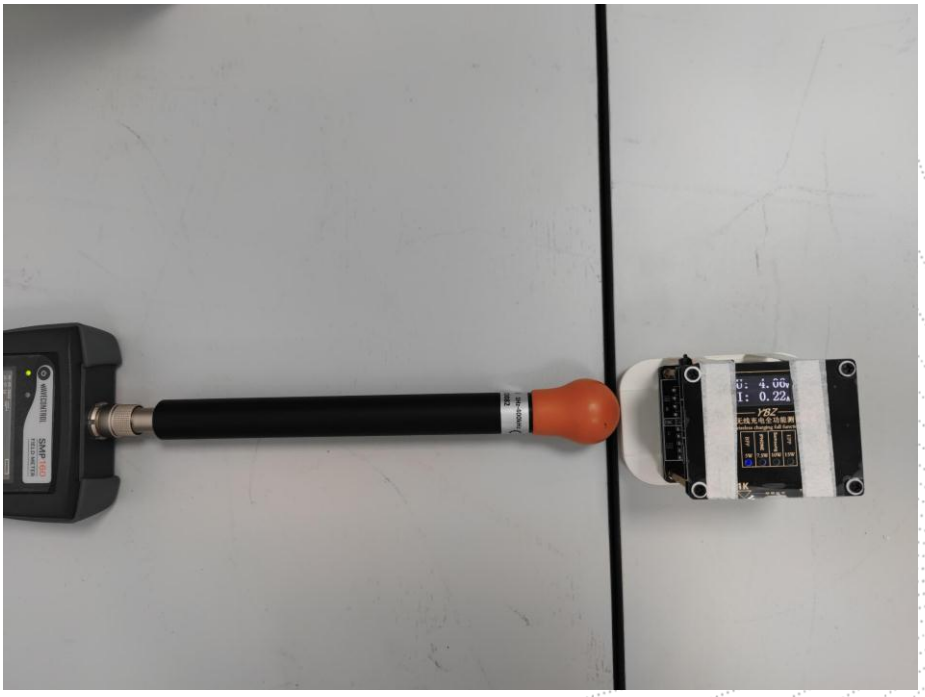
Front- 0CM



Right- 0CM

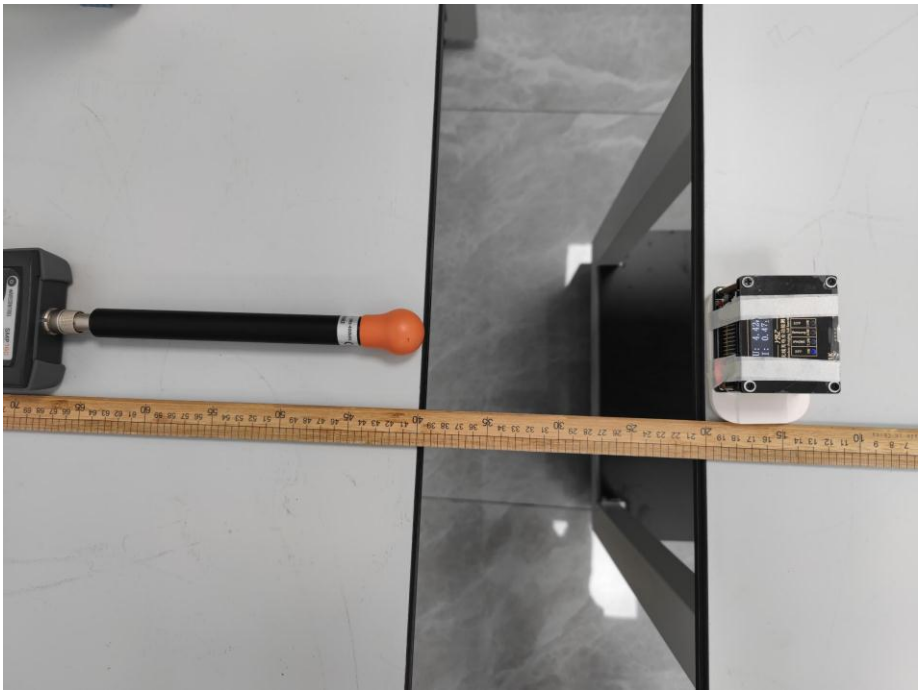


Rear - 0CM

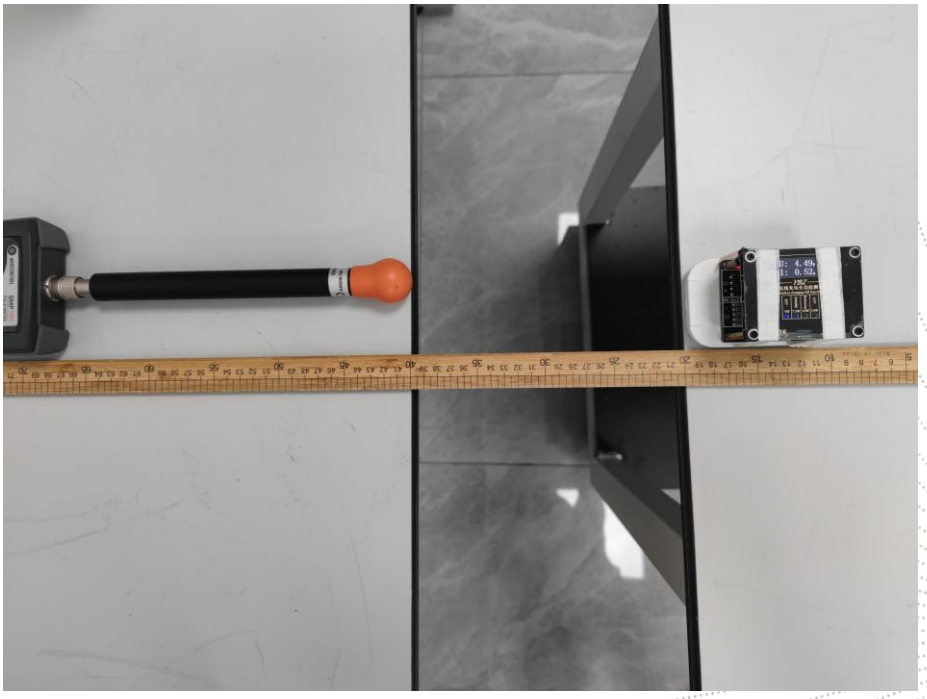


Top - 0CM

Left - 20CM



Front - 20CM



Right - 20CM

Rear - 20CM

Top - 20CM

STATEMENT

1.The equipment lists are traceable to the national reference standards.

2.The test report can not be partially copied unless prior written approval is issued from our lab.

3.The test report is invalid without stamp of laboratory.

4.The test report is invalid without signature of person(s) testing and authorizing.

5.The test process and test result is only related to the Unit Under Test.

6.The quality system of our laboratory is in accordance with ISO/IEC17025.

7.If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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E-Mail：bctc@bctc-lab.com.cn

※※※※※ **END** ※※※※※