TEST REPORT

Report No.:	BCTC2305249141-2E
Applicant:	Guangdong Xizhongxi Technology Co., Ltd.
Product Name:	iWatch Wireless Charging USB-C
Model/Type Ref.:	WLC-06
Tested Date:	2023-05-23 to 2023-06-05
Issued Date:	2023-06-05

Shenzhen BCTC Testing Co., Ltd.

FCC ID: 2A5LA-WLC-06

Product Name:	iWatch Wireless Charging USB-C
Trademark:	N/A
Model/Type Ref.:	WLC-06
Prepared For:	Guangdong Xizhongxi Technology Co., Ltd.
Address:	Building 7, No. 1, Jizhou Middle Road, Daojiao Town, Dongguan City, Guangdong Province, China
Manufacturer:	Guangdong Xizhongxi Technology Co., Ltd.
Address:	Building 7, No. 1, Jizhou Middle Road, Daojiao Town, Dongguan City, Guangdong Province, China
Prepared By:	Shenzhen BCTC Testing Co., Ltd.
Address:	1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Sample Received Date:	2023-05-23
Sample tested Date:	2023-05-23 to 2023-06-05
Issue Date:	2023-06-05
Report No.:	BCTC2305249141-2E
Test Standards:	FCC CFR 47 part1, 1.1307(b), 1.1310
Test Results:	PASS

Tested by:

Lei Chen

Lei Chen/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.

Table Of Content

(Note: N/A Means Not Applicable)

1. Version

Report No.	Issue Date	Description	Approved
BCTC2305249141-2E	2023-06-05	Original	Valid

2. Product Information

2.1 Product Information

Model/Type Ref.:	WLC-06
Model differences:	N/A
Product Description:	iWatch Wireless Charging USB-C
Operation Frequency:	300kHz-350kHz
Antenna installation:	loop coil antenna
Ratings:	Type C Input: DC 5V Wireless charging Output: 3W
Hardware Version:	N/A
Software Version:	N/A

Cable of Product

No.	Cable Type	Quantity	Provider	Length (m)	Shielded	Note
1	--	--	Applicant	---	Yes/No	With a ferrite ring in mid Detachable
2	--	--	BCTC	--	Yes/No	--

2.2 Support Equipment

No.	Device Type	Brand	Model	Series No.	Note
1.	iWatch Wireless Charging USB-C	N/A	WLC-06	---	EUT
2.	Adapter	N/A	CD122	N/A	Auxiliary

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 Mode 1	Wireless charging output 3W

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, Zhancheng, 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
A2LA certificate registration number is: CN1212
ISED Registered No.: 23583
ISED CAB identifier: CN0017

3.2 Test Instrument Used

EMF Test					
Equipment	**Manufacturer**	**Model#**	**Serial#**	**Last Cal.**	**Next Cal.**
Electromagnet-ic radiation tester	Wavecontrol	SMP160	19SN0980	May 15, 2023	May 14, 2024
Electromagne-tic field probe	Wavecontrol	WP400-3	20WP120082	Sept. 08, 2022	Sept. 07, 2023
843 Chamber	ETS	843	84301	Aug. 27, 2020	Aug. 26, 2023
Software	Frad	EZ-EMC	EMC-CON 3A1	\	\

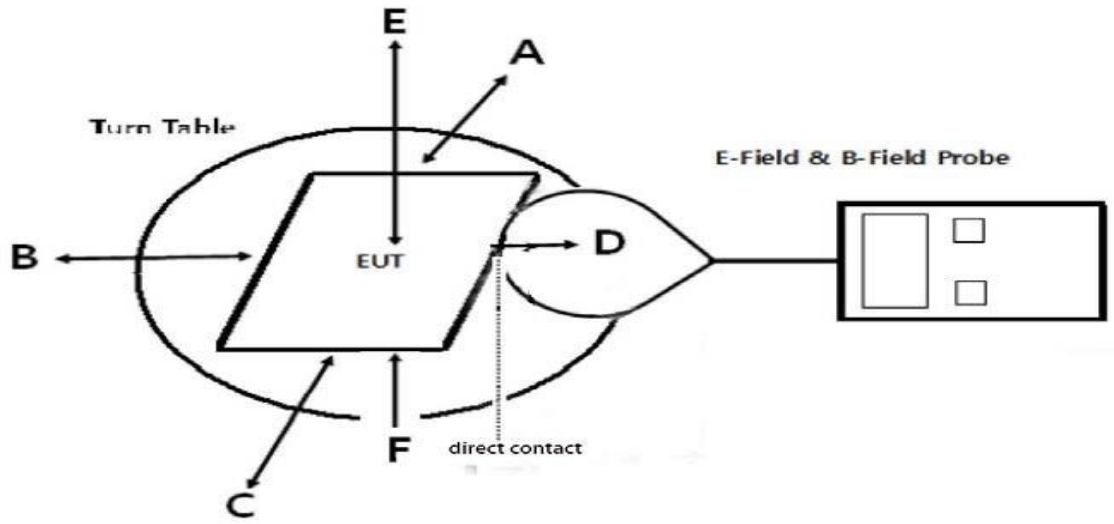
4. Method Of Measurement

4.1 Applicable Standard

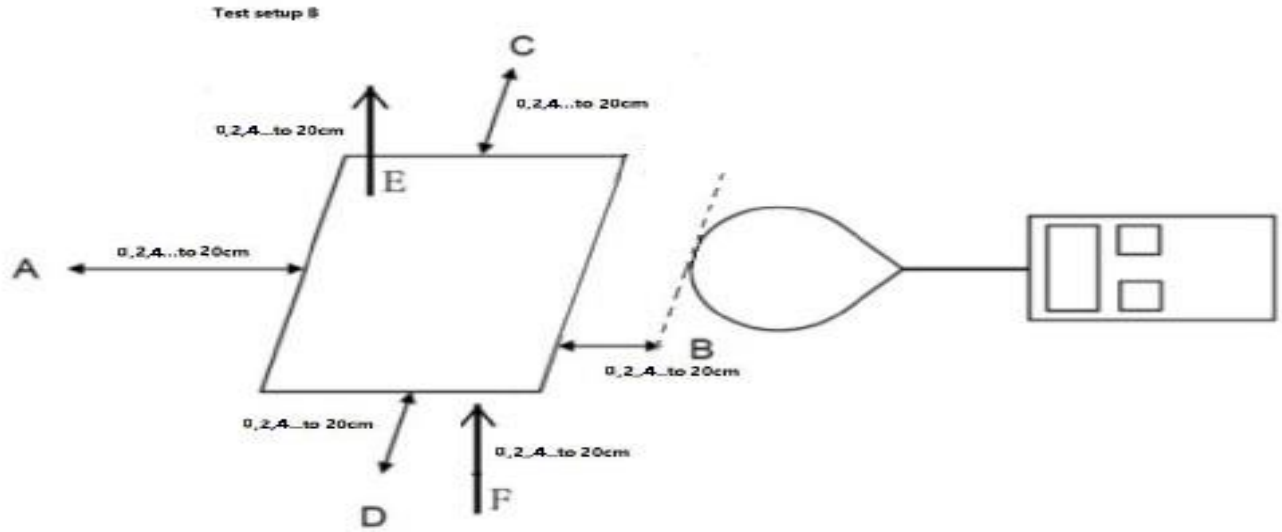
According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines. According to §1.1310 and §2.1093 RF exposure is calculated. According KDB680106 D01v03: RF Exposure Wireless Charging Apps v02.

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

a) he RF exposure test was performed in anechoic chamber.
b) 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.
c)The highest emission level was recorded and compared with limit as soon as measurement of each
d) The highest emission level was recorded and compared with limit as soon as measurement of each points (A, B, C, D, E) were completed.
e)The EUT was measured according to the dictates of KDB680106 D01v03r01
f)Remark:
The EUT's test position A, B, C, D , E and F is valid for the E and H field measurements.

4.5 E And H Field Strength

Test Mode 1

For setup A:

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

Frequency Range (KHz)	Operation condition	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)	Limits (A/m)
300kHz-350kHz	1% battery	0.078	0.086	0.076	0.093	0.043	0.064	1.63
300kHz-350kHz	50% battery	0.072	0.065	0.096	0.100	0.044	0.097	1.63
300kHz-350kHz	99% battery	0.067	0.088	0.084	0.104	0.046	0.090	1.63

Frequency Range (KHz)	Operation condition	Test Position A (uT)	Test Position B (uT)	Test Position C (uT)	Test Position D (uT)	Test Position E (uT)	Test Position F (uT)	Limits (uT)
300kHz-350kHz	1% battery	0.097	0.107	0.095	0.116	0.053	0.080	2.038
300kHz-350kHz	50% battery	0.090	0.081	0.121	0.125	0.054	0.121	2.038
300kHz-350kHz	99% battery	0.084	0.110	0.104	0.129	0.058	0.112	2.038

Note:A/m=uT÷1.25

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

Frequency Range (KHz)	Operation condition	Test Position A (V/m)	Test Position B (V/m)	Test Position C (V/m)	Test Position D (V/m)	Test Position E (V/m)	Test Position F (V/m)	Limits (V/m)
300kHz-350kHz	1% battery	0.070	0.074	0.069	0.103	0.038	0.071	614
300kHz-350kHz	50% battery	0.080	0.084	0.081	0.094	0.039	0.064	614
300kHz-350kHz	99% battery	0.078	0.061	0.075	0.093	0.043	0.069	614

For setup B:

1% battery

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

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)	Limits (A/m)
0	0.060	0.068	0.094	0.101	0.048	0.089	1.63
2	0.075	0.089	0.096	0.098	0.049	0.082	1.63
4	0.071	0.077	0.075	0.096	0.031	0.072	1.63
6	0.067	0.074	0.069	0.104	0.034	0.078	1.63
8	0.074	0.082	0.085	0.100	0.044	0.092	1.63
10	0.071	0.088	0.078	0.105	0.041	0.061	1.63
12	0.078	0.083	0.062	0.099	0.033	0.076	1.63
14	0.073	0.082	0.096	0.100	0.045	0.096	1.63
16	0.077	0.076	0.082	0.103	0.035	0.080	1.63
18	0.065	0.084	0.097	0.097	0.038	0.099	1.63
20	0.067	0.089	0.085	0.093	0.048	0.063	1.63

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)	Limits (uT)
0	0.075	0.085	0.118	0.127	0.061	0.112	2.038
2	0.093	0.111	0.120	0.123	0.061	0.103	2.038
4	0.088	0.096	0.094	0.120	0.039	0.090	2.038
6	0.083	0.093	0.087	0.130	0.043	0.098	2.038
8	0.092	0.102	0.106	0.125	0.056	0.115	2.038
10	0.089	0.109	0.097	0.132	0.051	0.076	2.038
12	0.098	0.104	0.077	0.124	0.042	0.096	2.038
14	0.091	0.102	0.120	0.125	0.056	0.120	2.038
16	0.096	0.094	0.102	0.129	0.044	0.100	2.038
18	0.081	0.105	0.121	0.121	0.047	0.124	2.038
20	0.084	0.112	0.106	0.117	0.060	0.079	2.038

Note:A/m=uT÷1.25

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

Test distance (cm)	Test Position A(V/m)	Test Position B(V/m)	Test Position C(V/m)	Test Position D(V/m)	Test Position E(V/m)	Test Position F(V/m)	Limits (V/m)
0	0.073	0.071	0.083	0.103	0.031	0.096	614
2	0.071	0.062	0.069	0.096	0.050	0.079	614
4	0.068	0.065	0.094	0.099	0.034	0.077	614
6	0.069	0.085	0.076	0.097	0.044	0.093	614
8	0.078	0.077	0.071	0.108	0.044	0.095	614
10	0.065	0.075	0.098	0.093	0.048	0.084	614
12	0.078	0.066	0.075	0.106	0.041	0.067	1.63
14	0.078	0.069	0.079	0.093	0.046	0.062	614
16	0.064	0.075	0.065	0.106	0.043	0.066	614
18	0.069	0.083	0.073	0.091	0.031	0.076	614
20	0.066	0.074	0.065	0.100	0.031	0.063	614

50% battery

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

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)	Limits (A/m)
0	0.072	0.085	0.090	0.100	0.046	0.079	1.63
2	0.066	0.068	0.073	0.109	0.034	0.088	1.63
4	0.069	0.079	0.076	0.104	0.049	0.074	1.63
6	0.066	0.090	0.086	0.102	0.045	0.070	1.63
8	0.075	0.080	0.060	0.105	0.035	0.087	1.63
10	0.066	0.087	0.087	0.102	0.030	0.093	1.63
12	0.070	0.089	0.082	0.091	0.045	0.070	1.63
14	0.080	0.073	0.070	0.094	0.035	0.080	1.63
16	0.061	0.080	0.083	0.098	0.031	0.096	1.63
18	0.072	0.090	0.079	0.096	0.043	0.088	1.63
20	0.075	0.088	0.069	0.092	0.046	0.082	1.63

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)	Limits (uT)
0	0.090	0.106	0.112	0.125	0.057	0.099	2.038
2	0.082	0.085	0.092	0.136	0.043	0.110	2.038
4	0.086	0.098	0.095	0.130	0.062	0.092	2.038
6	0.083	0.112	0.108	0.128	0.057	0.087	2.038
8	0.094	0.101	0.076	0.132	0.044	0.109	2.038
10	0.083	0.109	0.109	0.127	0.038	0.117	2.038
12	0.088	0.111	0.103	0.114	0.057	0.087	2.038
14	0.100	0.091	0.088	0.117	0.044	0.100	2.038
16	0.076	0.100	0.104	0.122	0.039	0.120	2.038
18	0.091	0.112	0.099	0.120	0.054	0.110	2.038
20	0.094	0.110	0.086	0.115	0.058	0.103	2.038

Note:A/m=uT÷1.25

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

Test distance (cm)	Test Position A(V/m)	Test Position B(V/m)	Test Position C(V/m)	Test Position D(V/m)	Test Position E(V/m)	Test Position F(V/m)	Limits (V/m)
0	0.073	0.075	0.070	0.097	0.049	0.084	614
2	0.063	0.081	0.098	0.091	0.032	0.099	614
4	0.074	0.062	0.067	0.094	0.040	0.071	614
6	0.077	0.073	0.073	0.091	0.031	0.074	614
8	0.075	0.062	0.097	0.104	0.042	0.095	614
10	0.066	0.069	0.096	0.103	0.034	0.064	614
12	0.063	0.076	0.090	0.093	0.036	0.088	614
14	0.076	0.079	0.073	0.092	0.037	0.065	614
16	0.074	0.070	0.076	0.106	0.049	0.096	614
18	0.062	0.066	0.087	0.109	0.041	0.098	614
20	0.078	0.065	0.084	0.109	0.038	0.099	614

99% battery

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

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)	Limits (A/m)
0	0.064	0.081	0.094	0.099	0.037	0.093	1.63
2	0.061	0.072	0.099	0.097	0.048	0.092	1.63
4	0.077	0.075	0.092	0.097	0.044	0.086	1.63
6	0.074	0.090	0.081	0.104	0.046	0.072	1.63
8	0.079	0.080	0.062	0.110	0.030	0.082	1.63
10	0.062	0.074	0.060	0.090	0.032	0.082	1.63
12	0.073	0.064	0.067	0.095	0.041	0.061	1.63
14	0.071	0.083	0.096	0.092	0.049	0.068	1.63
16	0.069	0.061	0.070	0.107	0.035	0.080	1.63
18	0.078	0.065	0.077	0.098	0.037	0.080	1.63
20	0.068	0.072	0.071	0.109	0.049	0.098	1.63

Test distance (cm)	Test Position A(uT)	Test Position B(uT)	Test Position C(uT)	Test Position D(uT)	Test Position E(uT)	Test Position F(uT)	Limits (uT)
0	0.080	0.101	0.117	0.124	0.046	0.117	2.038
2	0.076	0.089	0.123	0.122	0.060	0.115	2.038
4	0.096	0.093	0.114	0.121	0.056	0.108	2.038
6	0.093	0.112	0.101	0.130	0.058	0.089	2.038
8	0.099	0.100	0.078	0.137	0.038	0.103	2.038
10	0.078	0.093	0.076	0.113	0.040	0.102	2.038
12	0.091	0.080	0.084	0.119	0.051	0.077	2.038
14	0.088	0.104	0.120	0.115	0.062	0.085	2.038
16	0.086	0.077	0.087	0.134	0.044	0.099	2.038
18	0.097	0.082	0.096	0.123	0.047	0.100	2.038
20	0.085	0.089	0.089	0.136	0.061	0.122	2.038

Note:A/m=uT÷1.25

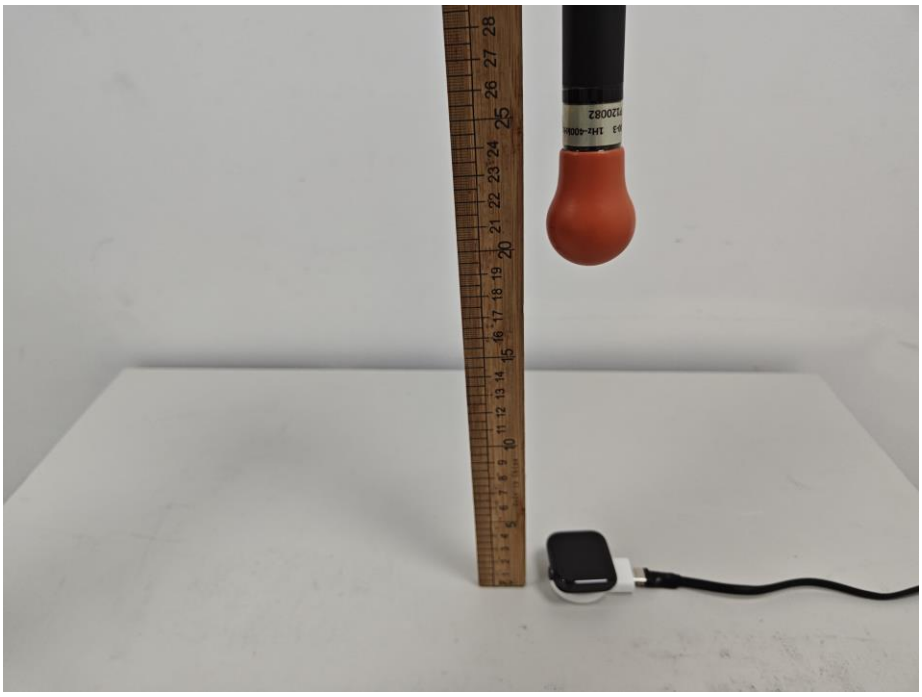
E-Filed Strength at (distance from 0cm to 20cm at 2cm iteration) surrounding the EUT (V/m)

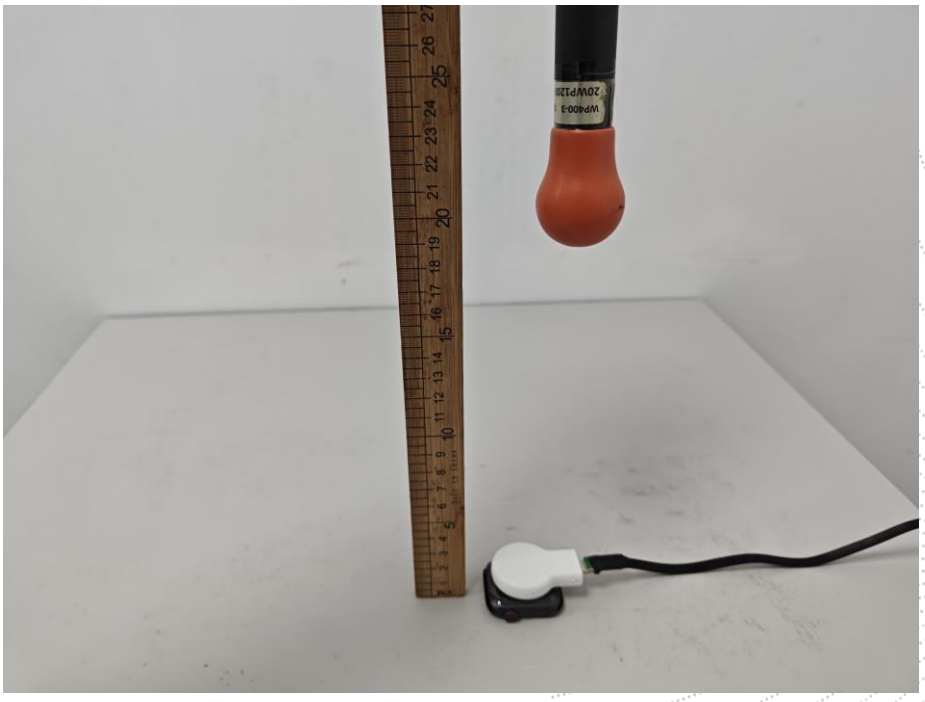
Test distance (cm)	Test Position A(V/m)	Test Position B(V/m)	Test Position C(V/m)	Test Position D(V/m)	Test Position E(V/m)	Test Position F(V/m)	Limits (V/m)
0	0.062	0.070	0.077	0.095	0.038	0.084	614
2	0.065	0.083	0.091	0.108	0.033	0.097	614
4	0.076	0.066	0.060	0.102	0.041	0.089	614
6	0.066	0.070	0.095	0.095	0.048	0.065	614
8	0.061	0.072	0.061	0.091	0.044	0.073	614
10	0.075	0.087	0.097	0.103	0.043	0.069	614
12	0.061	0.088	0.061	0.105	0.049	0.085	614
14	0.071	0.082	0.062	0.110	0.049	0.090	614
16	0.067	0.077	0.075	0.103	0.040	0.080	614
18	0.070	0.077	0.082	0.091	0.049	0.096	614
20	0.072	0.067	0.073	0.098	0.031	0.070	614

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

20CM





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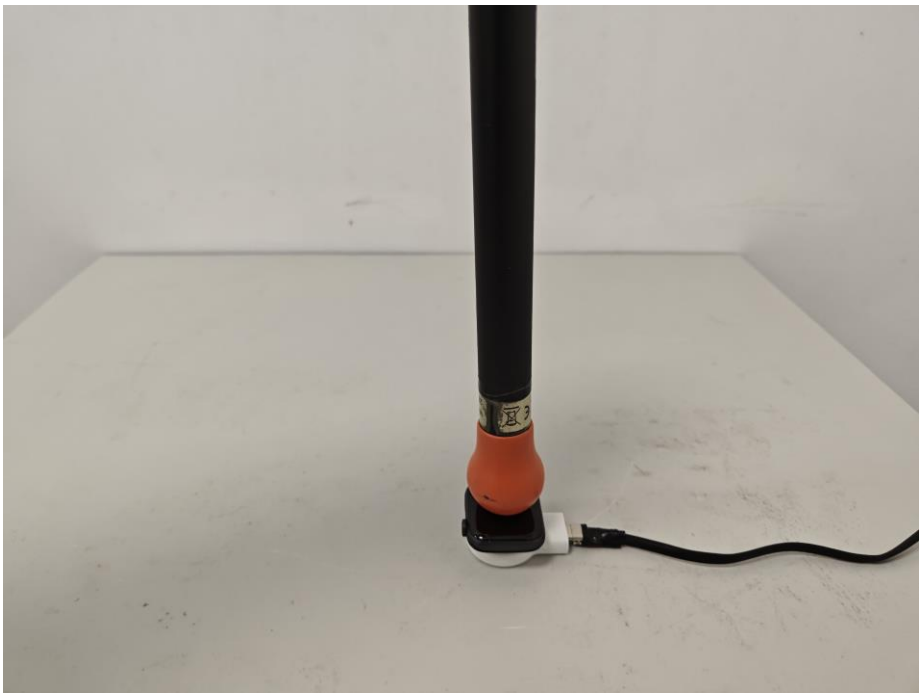

STATEMENT

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 the "special seal for inspection and testing".

4. The test report is invalid without the signature of the approver.

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

6. Sample information is provided by the client and the laboratory is not responsible for its authenticity.

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

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

Address:
1-2/F., Building B, Pengzhou Industrial Park, No.158, Fuyuan 1st Road, Zhancheng, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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※※※※※ **END** ※※※※※