

MPE Test Report

FCC ID: 2BR64-WP2

Report No. : SSP25080458-2E

Applicant : shenzhenshihuayunsupaikejiyouxiangongsi

Product Name : Wireless Power Bank

Model Name : WP2

Test Standard : FCC CFR 47 PART 1, 1.1310

Date of Issue : 2025-08-30

Shenzhen CCUT Quality Technology Co., Ltd.

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This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.

Test Report Basic Information

Applicant:	shenzhenshihuayunsupaikejiyouxiangongsi Room 307, Yusheng Huating No. 8210, Bao'an Avenue Wanfeng Community, Address of Applicant.....:	Xinqiao Street, Shenzhen, China
Manufacturer:	shenzhenshihuayunsupaikejiyouxiangongsi Room 307, Yusheng Huating No. 8210, Bao'an Avenue Wanfeng Community, Address of Manufacturer.....:	Xinqiao Street, Shenzhen, China
Product Name:	Wireless Power Bank	
Brand Name:	-	
Main Model:	WP2	
Series Models:	-	
Test Standard:	FCC CFR 47 PART 1, 1.1310 KDB 680106 D01 Wireless Power Transfer v04	
Date of Test	2025-08-28 to 2025-08-30	
Test Result:	PASS	
Tested By	<u>Coke Huang</u> (Coke Huang)	
Reviewed By:	<u>Lorzix Luo</u> (Lorzix Luo)	
Authorized Signatory:	<u>Lahm Peng</u> (Lahm Peng)	
Note : This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen CCUT Quality Technology Co., Ltd.. All test data presented in this test report is only applicable to presented test sample.		

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Revision History

Revision	Issue Date	Description	Revised By
V1.0	2025-08-30	Initial Release	Lahm Peng

1. General Information

1.1 Product Information

Product Name:	Wireless Power Bank
Trade Name:	-
Test Model:	WP2
Series Models:	-
Rated Voltage:	Input: 5V/3A, 9V/2A Output: 5V/3A, 9V/2.22A, 12V/1.67A Watch Wireless Output: 2.5W (Max) Earbuds Wireless Output: 2.5W (Max) Wireless Output: 5W, 7.5W, 10W, 15W(Max) DC 3.85V by battery, USB 5V Charging
Power Adapter:	-
Battery:	DC 3.85V, 5000mAh
Test Sample No:	SSP25080458-1
Hardware Version:	V1.0
Software Version:	V1.0
Note 1: The test data is gathered from a production sample, provided by the manufacturer.	

Wireless Specification	
Wireless Standard:	WPC (QI)
Operating Frequency:	Wireless charging Output (Phone/Earphone):110.5kHz-205kHz Wireless charging Output (Watch):310kHz-340kHz
Modulation:	FSK
Antenna Gain:	0dBi
Type of Antenna:	Coil Antenna
Type of Device:	☒ Portable Device ☐ Mobile Device ☐ Modular Device

1.2 Test Setup Information

List of Test Modes			
Test Mode	Description	Remark	
TM1	Wireless charging 5W (Phone)+adapter charging	-	
TM2	Wireless charging 15W (Phone)	-	
TM3	Wireless charging 10W (Phone)	-	
TM4	Wireless charging 7.5W (Phone)	-	
TM5	Wireless charging 5W (Phone)	-	
TM6	Wireless charging 2.5W (Earphone)+adapter charging	-	
TM7	Wireless charging 2.5W (Earphone)	-	
TM8	Wireless charging 2.5W (Watch)+adapter charging	-	
TM9	Wireless charging 2.5W (Watch)	-	
Note 1: All modes above have been tested and only the worst modes: TM1 and TM2, TM8 and TM9 data are represented in the report.			
Note 2: The AC mode only supports 5W output.			
List and Details of Auxiliary Cable			
Description	Length (cm)	Shielded/Unshielded	With/Without Ferrite
-	-	-	-
-	-	-	-
List and Details of Auxiliary Equipment			
Description	Manufacturer	Model	Serial Number
Adapter	xiaomi	MDY-14-EU	45461/A62505U102607S
Dummy load (15W)	YBZ	YBZ-001	N/A
Dummy load (2.5W)	YBZ	YBZ-003	N/A

1.3 Test Facilities

Laboratory Name:	Shenzhen CCUT Quality Technology Co., Ltd. 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China
CNAS Laboratory No.:	L18863
A2LA Certificate No.:	6983.01
FCC Registration No:	583813
ISED Registration No.:	CN0164
All measurement facilities used to collect the measurement data are located at 1F, Building 35, Changxing Technology Industrial Park, Yutang Street, Guangming District, Shenzhen, Guangdong, China.	

1.4 List of Measurement Instruments

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Electromagnetic radiation tester	WAVECONTROL	SMP3	23SL0158	2024-10-16	2025-10-15
Electromagnetic field probe	WAVECONTROL	WP400-3	24WP240067	2024-10-16	2025-10-16
Test Software	WAVECONTROL	SMP	N/A	N/A	N/A

Probe radius: 1.65CM

1.5 Measurement Uncertainty

Test Item	Frequency Range	Uncertainty
E-field	10Hz ~ 100kHz	$\pm 2.6\%$
	100kHz ~ 400kHz	$\pm 4.9\%$
H-field	10Hz ~ 3kHz	$\pm 2.5\%$
	3kHz ~ 10kHz	$\pm 2.6\%$
	10kHz ~ 100kHz	$\pm 4.3\%$
	100kHz ~ 400kHz	$\pm 5.0\%$

2. RF Exposure

2.1 Standard and Limit

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

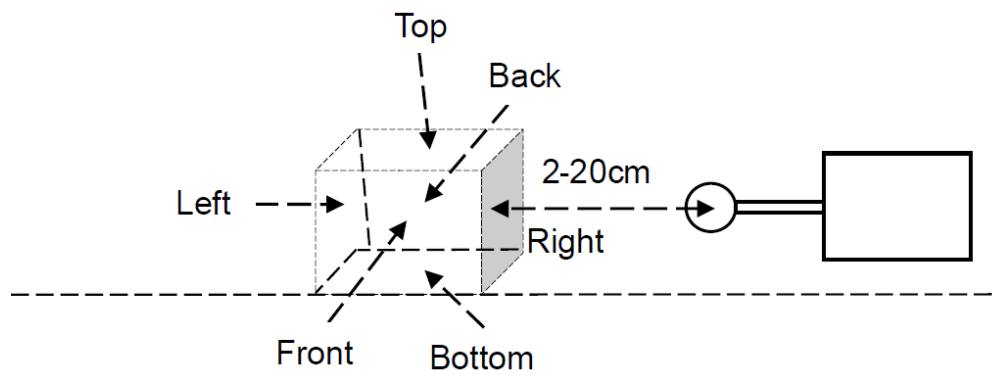
f = frequency in MHz

2.2 Test Procedures

The EUT was measured according to the KDB 680106 D01v04.

- 1) The RF exposure test was performed in an anechoic chamber.
- 2) The measurement probe was placed at test distance(2~20cm) which is between the edge of the wireless charger and the geometric center of probe for portable exposure, and the measurement probe was placed at test distance(20~24cm) which is between the edge of the wireless charger and the geometric center of probe for mobile exposure.
- 3) Choose the worst mode among battery with zero/partial/full charge, then perform measurement.
- 4) The highest emission level was recorded and all sides (A, B, C, D, E, F) were completed.
- 5) Calculate the final E/H-field strength.

2.3 Test Setup Block Diagram



Note: Front side = A, Right side = B, Back side = C, Left side = D, Top side = E, Bottom side = F.

2.4 Test Data and Results

For portable exposure conditions:

Operating modes with client device (1 %, 50%, 99% battery status of client device) have been tested, only show the data of worst case of battery status of client device.

H-field measurements taken every 2 cm (starting as close to 20 cm as possible) on each side of the device were also evaluated for portable exposure use condition.

Test Mode: TM1(the worst mode)

Transmitter Battery Level: 99%

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)
2	0.665	1.177	1.148	0.239	0.561	0.751
4	0.158	0.667	0.538	0.111	0.267	0.253
6	0.088	0.322	0.251	0.071	0.161	0.125
8	0.065	0.165	0.132	0.056	0.121	0.058
10	0.044	0.111	0.081	0.041	0.071	0.048
12	0.041	0.055	0.051	0.038	0.061	0.039
14	0.036	0.039	0.043	0.031	0.039	0.033
16	0.031	0.037	0.033	0.029	0.027	0.031
18	0.028	0.029	0.028	0.026	0.025	0.029
20	0.022	0.023	0.023	0.022	0.023	0.022

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.532	0.942	0.918	0.191	0.449	0.601	1.63
4	0.126	0.534	0.430	0.089	0.214	0.202	1.63
6	0.070	0.258	0.201	0.057	0.129	0.100	1.63
8	0.052	0.132	0.106	0.045	0.097	0.046	1.63
10	0.035	0.089	0.065	0.033	0.057	0.038	1.63
12	0.033	0.044	0.041	0.030	0.049	0.031	1.63
14	0.029	0.031	0.034	0.025	0.031	0.026	1.63
16	0.025	0.030	0.026	0.023	0.022	0.025	1.63
18	0.022	0.023	0.022	0.021	0.020	0.023	1.63
20	0.018	0.018	0.018	0.018	0.018	0.018	1.63

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 4 cm and 6 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.126	0.534	0.430	0.089	0.214	0.202
Measure Value (A/m)	0.125	0.533	0.429	0.088	0.212	0.199
Agreement Ratio (%)	-0.80%	-0.19%	-0.23%	-1.13%	-0.94%	-0.15%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 6cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.070	0.258	0.201	0.057	0.129	0.100
Measure Value (A/m)	0.069	0.257	0.200	0.056	0.128	0.098
Agreement Ratio (%)	-1.44%	-0.39%	-0.50%	-1.78%	-0.78%	-2.04%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	1.21	1.40	1.46	0.25	0.46	1.43	1.63
Test Results: PASS							

Test Mode: TM2(the worst mode)

Transmitter Battery Level: 99%

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)
2	0.667	1.174	1.145	0.237	0.563	0.752
4	0.159	0.668	0.537	0.111	0.265	0.254
6	0.087	0.325	0.254	0.072	0.164	0.126
8	0.066	0.169	0.133	0.055	0.122	0.055
10	0.045	0.115	0.082	0.043	0.073	0.047
12	0.043	0.054	0.053	0.039	0.065	0.038
14	0.034	0.041	0.044	0.032	0.037	0.035
16	0.033	0.039	0.031	0.027	0.028	0.032
18	0.029	0.031	0.029	0.024	0.026	0.027
20	0.025	0.025	0.025	0.023	0.021	0.023

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.534	0.939	0.916	0.190	0.450	0.602	1.63
4	0.127	0.534	0.430	0.089	0.212	0.203	1.63
6	0.070	0.260	0.203	0.058	0.131	0.101	1.63
8	0.053	0.135	0.106	0.044	0.098	0.044	1.63
10	0.036	0.092	0.066	0.034	0.058	0.038	1.63
12	0.034	0.043	0.042	0.031	0.052	0.030	1.63
14	0.027	0.033	0.035	0.026	0.030	0.028	1.63
16	0.026	0.031	0.025	0.022	0.022	0.026	1.63
18	0.023	0.025	0.023	0.019	0.021	0.022	1.63
20	0.020	0.020	0.020	0.018	0.017	0.018	1.63

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 4 cm and 6 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.127	0.534	0.430	0.089	0.212	0.203
Measure Value (A/m)	0.126	0.531	0.427	0.088	0.210	0.202
Agreement Ratio (%)	-0.79%	-0.56%	-0.70%	-1.13%	-0.95%	-0.49%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 6cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.070	0.260	0.203	0.058	0.131	0.101
Measure Value (A/m)	0.069	0.258	0.202	0.057	0.130	0.100
Agreement Ratio (%)	-1.44%	-0.77%	-0.49%	-1.72%	-0.76%	-0.01%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	1.17	1.43	1.48	0.30	0.47	1.48	1.63
Test Results: PASS							

Test Mode: TM8(the worst mode)

Transmitter Battery Level: 99%

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)
2	0.661	1.178	1.144	0.239	0.564	0.758
4	0.155	0.669	0.538	0.115	0.266	0.256
6	0.081	0.322	0.256	0.076	0.168	0.124
8	0.065	0.164	0.137	0.057	0.129	0.057
10	0.049	0.111	0.085	0.046	0.077	0.048
12	0.045	0.056	0.058	0.034	0.068	0.034
14	0.036	0.048	0.041	0.036	0.041	0.033
16	0.034	0.036	0.033	0.029	0.029	0.035
18	0.027	0.035	0.027	0.022	0.026	0.026
20	0.026	0.027	0.028	0.025	0.023	0.028

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.529	0.942	0.915	0.191	0.451	0.606	1.63
4	0.124	0.535	0.430	0.092	0.213	0.205	1.63
6	0.065	0.258	0.205	0.061	0.134	0.099	1.63
8	0.052	0.131	0.110	0.046	0.103	0.046	1.63
10	0.039	0.089	0.068	0.037	0.062	0.038	1.63
12	0.036	0.045	0.046	0.027	0.054	0.027	1.63
14	0.029	0.038	0.033	0.029	0.033	0.026	1.63
16	0.027	0.029	0.026	0.023	0.023	0.028	1.63
18	0.022	0.028	0.022	0.018	0.021	0.021	1.63
20	0.021	0.022	0.022	0.020	0.018	0.022	1.63

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 4 cm and 6 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.124	0.535	0.430	0.092	0.213	0.205
Measure Value (A/m)	0.123	0.532	0.428	0.091	0.211	0.203
Agreement Ratio (%)	-0.80%	-0.56%	-0.46%	-1.09%	-0.94%	-0.98%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 6cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.065	0.258	0.205	0.061	0.134	0.099
Measure Value (A/m)	0.064	0.256	0.203	0.060	0.133	0.098
Agreement Ratio (%)	-1.56%	-0.78%	-0.98%	-1.66%	-0.75%	-1.02%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	1.17	1.44	1.41	0.40	0.45	1.47	1.63
Test Results: PASS							

Test Mode: TM9(the worst mode)

Transmitter Battery Level: 99%

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)
2	0.668	1.181	1.149	0.237	0.561	0.761
4	0.159	0.672	0.534	0.113	0.269	0.259
6	0.076	0.326	0.252	0.072	0.167	0.126
8	0.069	0.167	0.134	0.059	0.126	0.054
10	0.053	0.116	0.087	0.051	0.075	0.042
12	0.049	0.054	0.059	0.039	0.064	0.037
14	0.038	0.041	0.045	0.034	0.046	0.038
16	0.031	0.032	0.036	0.025	0.024	0.036
18	0.022	0.038	0.029	0.020	0.021	0.029
20	0.021	0.021	0.022	0.019	0.018	0.023

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
2	0.534	0.945	0.919	0.190	0.449	0.609	1.63
4	0.127	0.538	0.427	0.090	0.215	0.207	1.63
6	0.061	0.261	0.202	0.058	0.134	0.101	1.63
8	0.055	0.134	0.107	0.047	0.101	0.043	1.63
10	0.042	0.093	0.070	0.041	0.060	0.034	1.63
12	0.039	0.043	0.047	0.031	0.051	0.030	1.63
14	0.030	0.033	0.036	0.027	0.037	0.030	1.63
16	0.025	0.026	0.029	0.020	0.019	0.029	1.63
18	0.018	0.030	0.023	0.016	0.017	0.023	1.63
20	0.017	0.017	0.018	0.015	0.014	0.018	1.63

Note: H-field(A/m) = H-field(uT)/1.25.

Using Polynomial order 10, the value of 4 cm and 6 cm can be estimated, and the result of comparison meets the requirements (<30%), therefore, the calculation method is acceptable.

Distance: 4cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.127	0.538	0.427	0.090	0.215	0.207
Measure Value (A/m)	0.126	0.534	0.424	0.089	0.214	0.206
Agreement Ratio (%)	-0.79%	-0.74%	-0.70%	-1.12%	-0.46%	-0.48%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Distance: 6cm

Test Position	A	B	C	D	E	F
Valuation (A/m)	0.061	0.261	0.202	0.058	0.134	0.101
Measure Value (A/m)	0.060	0.259	0.200	0.057	0.132	0.100
Agreement Ratio (%)	-1.66%	-0.77%	-0.01%	-1.75%	-1.51%	-0.01%
Limit (%)	30%	30%	30%	30%	30%	30%
Result	Pass	Pass	Pass	Pass	Pass	Pass

Based on the above results, using Polynomial order 10, the value of 0 cm can be estimated as below.

Test Distance (cm)	Test Position						Limits (A/m)
	A (A/m)	B (A/m)	C (A/m)	D (A/m)	E (A/m)	F (A/m)	
0	1.08	1.49	1.48	0.35	0.50	1.44	1.63
Test Results: PASS							

Annex A. Test Photos

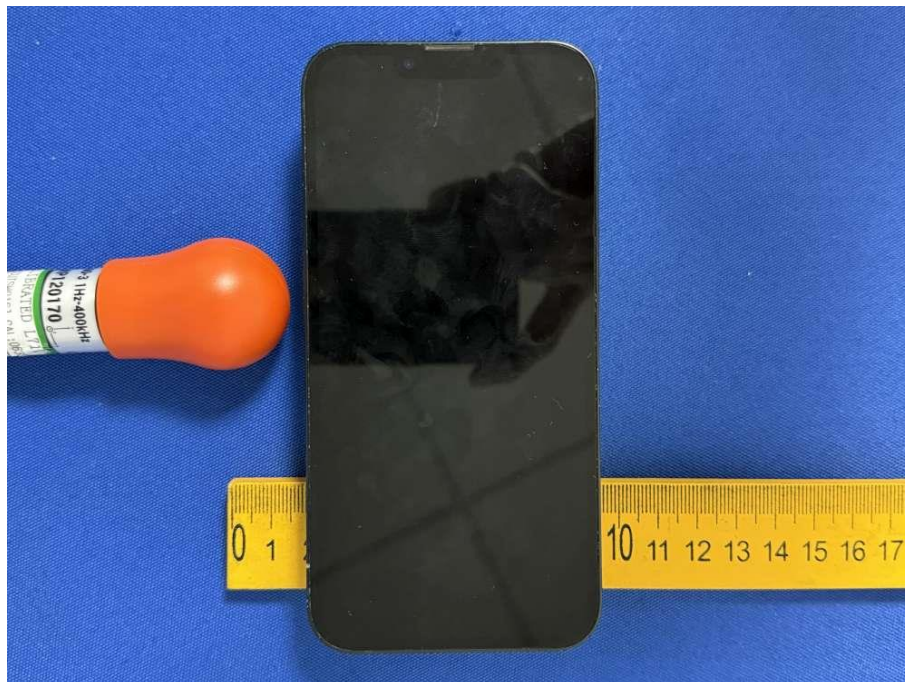
2cm

Test View 1

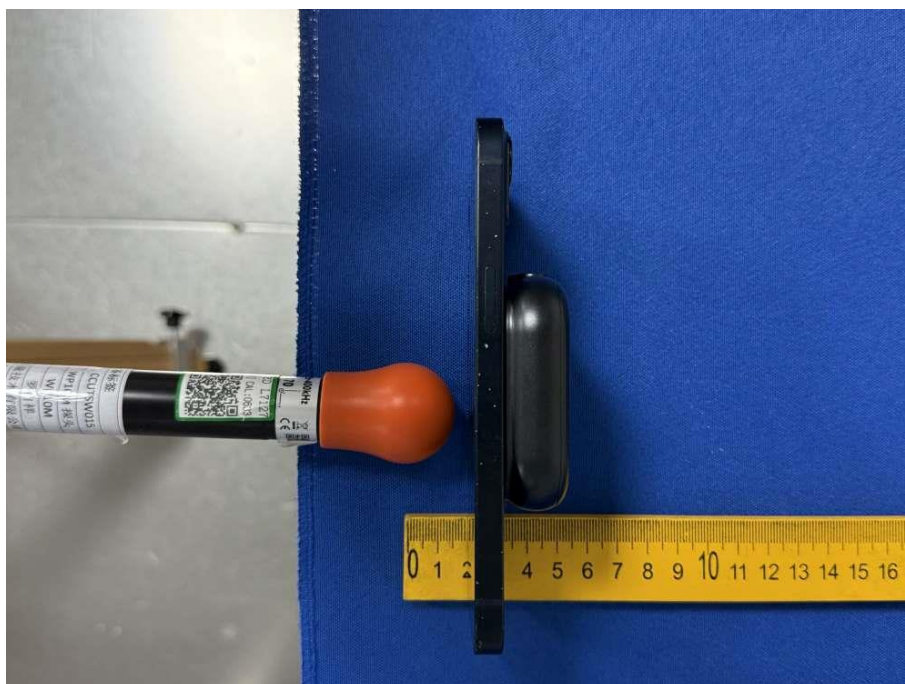


Test View 2



Test View 3**Test View 4**

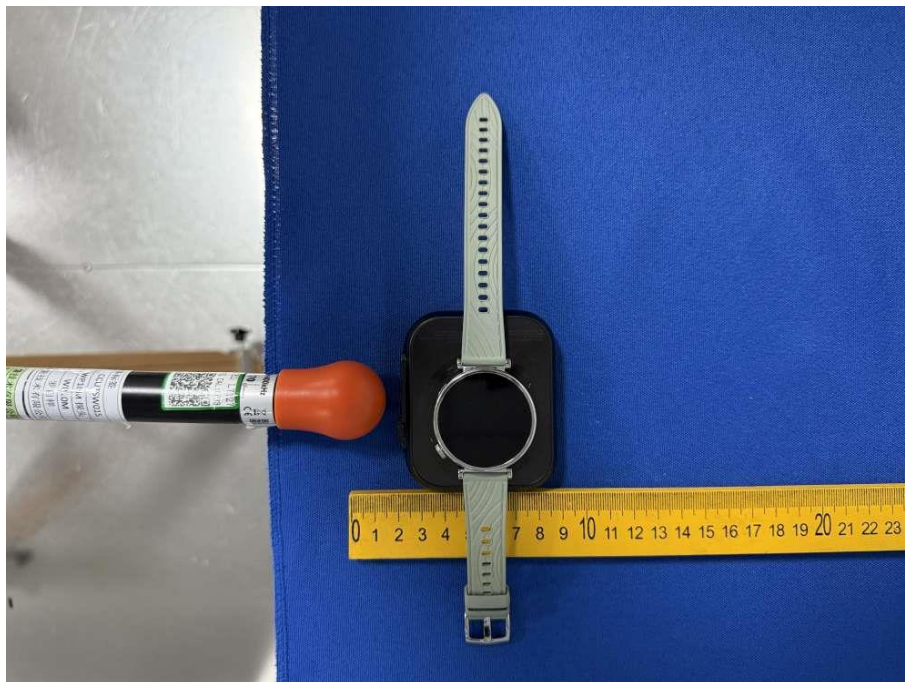
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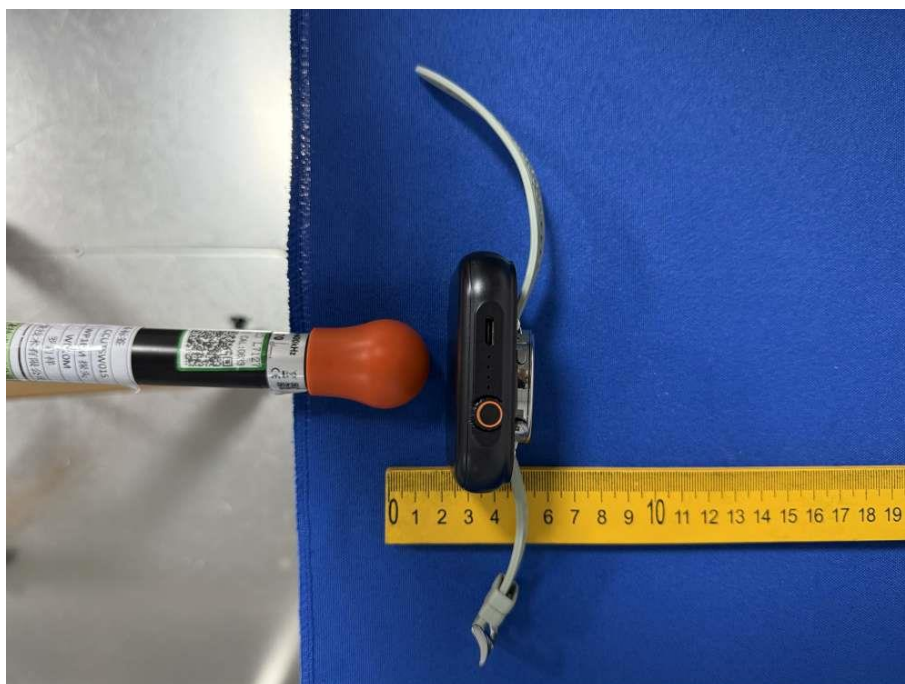
Test View 6



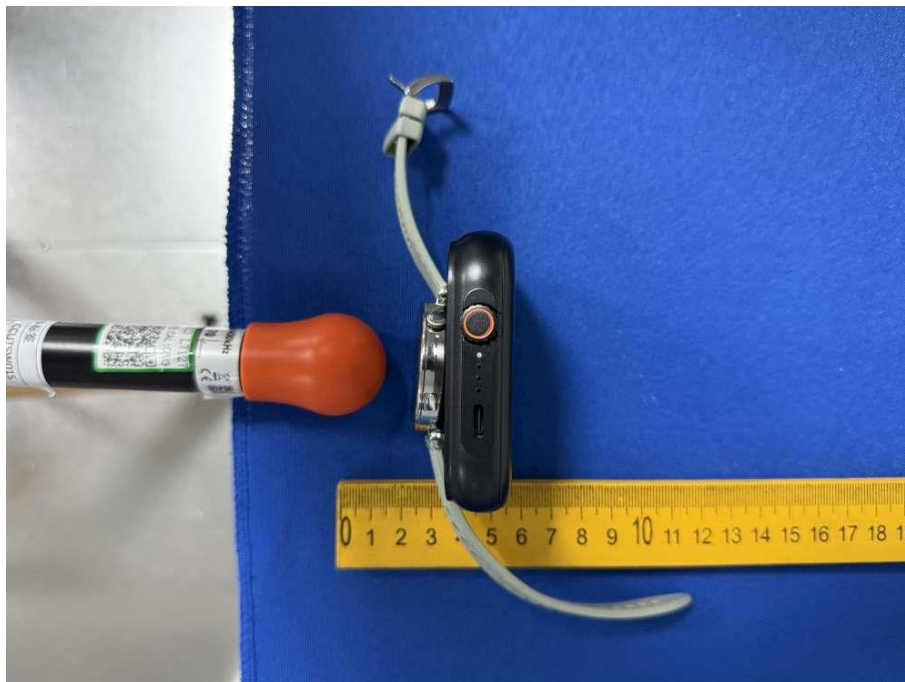
Test View 7**Test View 8**

Test View 9**Test View 10**

Test View 11



Test View 12



******* END OF REPORT *******