RF Exposure Evaluation Report

1. Product Information

Product Name	Portable wireless charger
Test Model	YKB-2057
Additional Model No.	YKB-20XX series
Model Declaration	PCB board, structure and internal of these model(s) are the same, So no additional models were tested
Power Supply	Input: DC 5V, 1A DC 3.7V by Li-ion Battery(1200mAh)
Modulation Type	ASK
Frequency Range	111.0~205.0 kHz
Operation Frequency	137 kHz
Antenna Type	Coil Antenna
Hardware version	/
Software version	/
Accessories	Watch
Exposure category	General population/uncontrolled environment
EUT Type	Production Unit
Device Type	portable Device

2. Evaluation Method

Per KDB 680106 D01 Section 3. RF Exposure Requirements;

1) Consumer wireless power transfer devices approved under Part 18 in some cases have to demonstrate compliance with RF exposure requirements. The potential for exposure must be assessed according to the operating configurations of the wireless system and the exposure conditions of users and bystanders. RF exposure must be evaluated with the client device(s) being charged by the primary at maximum output power. The RF exposure requirements must be determined in conjunction with the device operating characteristics, according to the mobile and portable exposure requirements in Section 2.1091 and Section 2.1093 of the rules. SAR and MPE limits do not cover the frequency range for wireless power transfer applications which operate below 100 kHz and 300 kHz respectively; therefore, RF exposure compliance needs to be determined with respect to 1.1307 (c) and (d) of the FCC rules.

2) Based on the design and implementation of the power transfer application, it must be clearly identified if mobile or portable RF exposure conditions apply. Devices that are installed to provide separation of at least 20 cm from users and bystanders may qualify for mobile exposure conditions. For some conditions where users and bystanders may be exposed at closer than 20 cm, section 2.1091(d) (4) of the rules may apply.

3) For devices designed for typical desktop applications, such a wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 15 cm. E and H field strength measurements or numerical modeling may be used to demonstrate compliance. Measurements should be made from all sides and the top of the primary/client pair, with the 15 cm measured from the center of the probe(s) to the edge of the device. 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.

4) Portable exposure conditions from 100 kHz to 6 GHz are determined with respect to SAR requirements. Existing SAR systems and test procedures are generally intended for measurements above 100 MHz. While numerical modeling can be an alternative, the constraints of substantial computational resources at low frequencies could introduce further limitations. Under these circumstances, including operations below 100 kHz, the Commission may consider a combination of analytical analysis, field strength, radiated and conducted power measurements, in conjunction with some limited numerical modeling to assess compliance.

5) Depending on the operating frequency, existing SAR and MPE measurement procedures may be adapted to evaluate wireless power transfer devices for compliance with respect to mobile or portable exposure conditions. If the grantee or its test lab have any questions regarding RF exposure evaluation they should contact the FCC Laboratory with sufficient system operating configuration details to determine if RF exposure evaluation is necessary and, if required, how to apply specific test procedures. Below 100 MHz, when SAR testing is required and the device is operating at close proximity to persons, information on device design, implementation, operating configurations, exposure conditions of users and bystanders are needed to determine the evaluation and testing requirements. In addition, the influence of nearby objects may also need consideration according to the wireless power transfer system implementation; for example, the effects of placing the device, its coils or radiating elements on or near metallic surfaces

3. Evaluation Limit

3.1 Refer evaluation method

ANSI C95.1–1999: IEEE Standard for Safety Levels with Respect to Human Exposure to Radio

Frequency Electromagnetic Fields, 3 kHz to 300 GHz.
FCC KDB publication 680106 D01 RF Exposure Wireless Charging Apps v03: RF Exposure Considerations for Low Power Consumer Wireless Power Transfer Applications
FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.
FCC CFR 47 part2 2.1091: Radiofrequency radiation exposure evaluation: mobile devices
FCC CFR 47 part2 2.1093: Radiofrequency radiation exposure evaluation: portable devices
FCC CFR 47 part 18.107: Indusial, Scientific, and Medical Equipment

3.2 Limit

Limits for Maximum Permissible Exposure (MPE)/Controlled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm²)	Averaging Time (minute)
Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f²	6
30-300	61.4	0.163	1.0	6
300-1,500	/	/	f/300	6
1,500-100,000	/	/	5	6

Limits for Maximum Permissible Exposure (MPE)/Uncontrolled Exposure

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density (mW/cm²)	Averaging Time (minute)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*100	30
1.34-30	824/f	2.19/f	*180/f²	30
30-300	27.5	0.073	0.2	30
300-1,500	/	/	f/1500	30
1,500-100,000	/	/	1.0	30

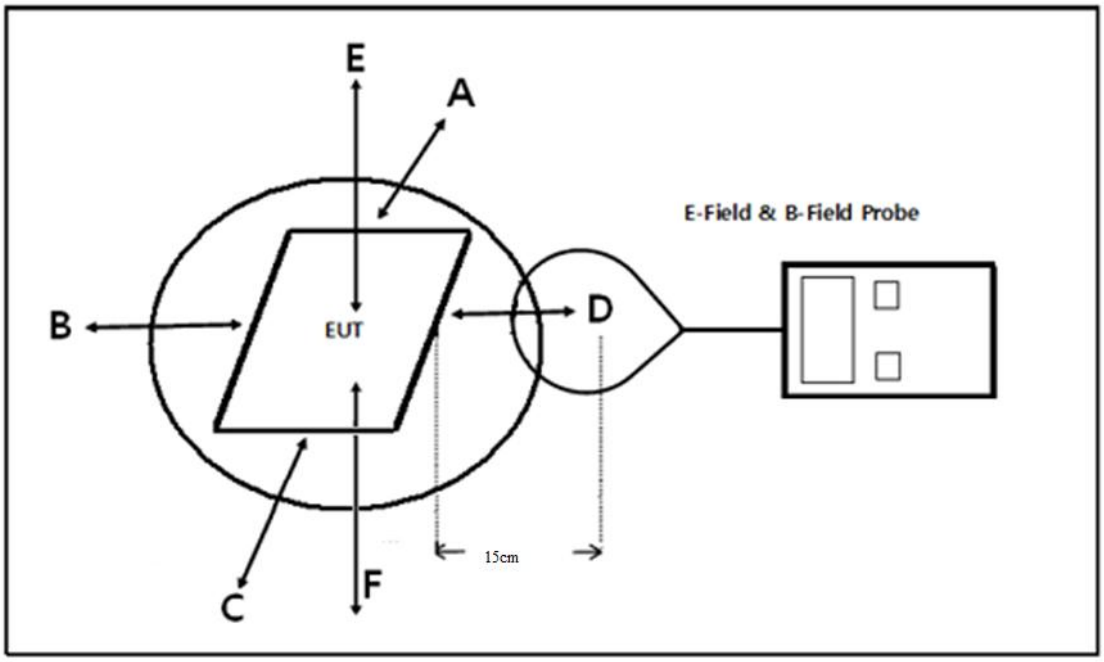
F=frequency in MHz
*=Plane-wave equivalent power density

According to FCC KDB 680106 D01 Section 3. RF Exposure Requirements clause 3 the Emission-Limits in the frequency range from 100 KHz to 300 KHz should be assessed versus the limits at 300 KHz in Table 1 of CFR 47 – Section1.310 as following (measured distance shall be 15cm from the center of the probe to the edge of the device):

	E-Field	*/*	B-Field
Frequency	V/m	A/m	uT
0.3 MHz – 3.0 MHz	614	1.613	2.0
3.0 MHz – 30 MHz	824/f (=27.5_{30MHz})	2.19/f (=0.073_{30MHz})	--

A KDB inquire was required to determine/confirm the applicable limits below 100 KHz.

4. Test Setup Diagram



5. Test Equipment

Equipment	Manufacturer	Model	Serial no.	Calibrated date	Calibrated Due
Exposure Level Tester	Narda	ELT-400	N-0713	2022-10-29	2023-10-28
B-Field Probe	Narda	ELT-400	M-1154	2022-10-29	2023-10-28

6. Measurement Procedure

a) The RF exposure test was performed on 360 degree turn table in anechoic chamber.

b) The measurement probe was placed at test distance (0-2-4-6cm to 20-2-4-6cm) which is between the edges of the charger and the geometric center of probe.

c) The turn table was rotated 360d degree to search of highest strength.

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 were measured according to the dictates of KDB 680106D01v03.

7. Equipment Approval Considerations

The EUT does comply with item 5.2 of KDB 680106 D01v03 as follows table;

Requirements of KDB 680106 D01	Yes / No	Description
Power transfer frequency is less than 1 MHz	Yes	The device operate in the frequency range 111.0 KHz - 205.0 KHz
Output power from each primary coil is less than 15 watts	Yes	The maximum output power of the primary coil is 5W.
The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils.	No	The transfer system includes single coil that is able to detect receiver device.
Client device is placed directly in contact with the transmitter.	Yes	Client device is placed directly in contact with the transmitter.
Mobile exposure conditions only(portable Exposure conditions are not covered by this exclusion).	No	This product is portable.
The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.	Yes	The EUT H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

In all other cases, unless excluded above, an RF exposure evaluation report must be reviewed and accepted through a KDB or PBA inquiry to enable authorization of the equipment. When evaluation is required to show compliance; for example, using field strength, power density, SAR measurements or computational modeling etc., the specific authorization requirements will be determined based on the results of the RF exposure evaluation.

8. E and H field Strength

Test Modes		
Mode 1	AC/DC Adapter (5V/1A+EUT+ Watch (Battery Status: <1%))	Record
Mode 2	AC/DC Adapter (5V/1A+EUT+ Watch (Battery Status: <50%))	Record
Mode 3	AC/DC Adapter (5V/1A+EUT+ Watch (Battery Status: <100%))	Record
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

E-Field Strength at 0 cm from the edges surrounding the EUT and 0-2-4-6cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	37.995	39.326	42.908	39.436	44.137	307	614
50%	0.137	35.462	36.705	40.048	36.807	41.195	307	614
99%	0.137	35.753	37.286	40.277	37.130	39.603	307	614

H-Field Strength at 0 cm from the edges surrounding the EUT and 0-2-4-6cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.127	0.133	0.144	0.132	0.141	--	--
1%	A/m	0.102	0.106	0.115	0.106	0.113	0.815	1.63
50%	uT	0.119	0.124	0.134	0.123	0.132	--	--
50%	A/m	0.095	0.099	0.107	0.099	0.105	0.815	1.63
99%	uT	0.114	0.124	0.128	0.125	0.136	--	--
99%	A/m	0.091	0.099	0.103	0.100	0.109	0.815	1.63

Note: A/m=uT/1.25

Remark：

0-2-4-6cm-20-2-4-6cm only reflects the worst mode 0-2-4-6cm.

E-Field Strength at 2 cm from the edges surrounding the EUT and 2cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	38.615	41.315	40.435	38.873	42.645	307	614
50%	0.137	36.041	38.560	37.740	36.282	39.802	307	614
99%	0.137	35.877	38.656	37.703	37.345	41.665	307	614

H-Field Strength at 2 cm from the edges surrounding the EUT and 2cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.128	0.138	0.134	0.133	0.148	--	--
1%	A/m	0.102	0.110	0.107	0.106	0.119	0.815	1.63
50%	uT	0.119	0.129	0.125	0.124	0.139	--	--
50%	A/m	0.095	0.103	0.100	0.099	0.111	0.815	1.63
99%	uT	0.114	0.123	0.130	0.117	0.139	--	--
99%	A/m	0.091	0.099	0.104	0.094	0.111	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 4 cm from the edges surrounding the EUT and 4cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	38.175	39.561	42.712	38.163	43.695	307	614
50%	0.137	35.630	36.924	39.864	35.619	40.782	307	614
99%	0.137	36.021	36.279	38.112	37.287	41.753	307	614

H-Field Strength at 4 cm from the edges surrounding the EUT and 4cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.128	0.129	0.136	0.133	0.149	--	--
1%	A/m	0.103	0.103	0.109	0.106	0.119	0.815	1.63
50%	uT	0.120	0.121	0.127	0.124	0.139	--	--
50%	A/m	0.096	0.097	0.101	0.099	0.111	0.815	1.63
99%	uT	0.122	0.130	0.141	0.132	0.142	--	--
99%	A/m	0.098	0.104	0.113	0.105	0.113	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 6 cm from the edges surrounding the EUT and 6cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	38.561	41.060	40.818	38.146	42.590	307	614
50%	0.137	35.990	38.322	38.096	35.603	39.751	307	614
99%	0.137	34.617	39.241	38.403	36.971	41.241	307	614

H-Field Strength at 6 cm from the edges surrounding the EUT and 6cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.127	0.129	0.140	0.134	0.143	--	--
1%	A/m	0.102	0.103	0.112	0.107	0.114	0.815	1.63
50%	uT	0.119	0.121	0.131	0.125	0.133	--	--
50%	A/m	0.095	0.096	0.105	0.100	0.107	0.815	1.63
99%	uT	0.111	0.125	0.130	0.125	0.133	--	--
99%	A/m	0.089	0.100	0.104	0.100	0.107	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 8 cm from the edges surrounding the EUT and 8cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	38.369	39.680	41.811	38.530	41.757	307	614
50%	0.137	35.811	37.035	39.024	35.961	38.973	307	614
99%	0.137	35.498	36.683	39.266	35.908	39.310	307	614

H-Field Strength at 8 cm from the edges surrounding the EUT and 8cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.127	0.135	0.139	0.129	0.147	--	--
1%	A/m	0.102	0.108	0.111	0.104	0.118	0.815	1.63
50%	uT	0.119	0.126	0.129	0.121	0.137	--	--
50%	A/m	0.095	0.101	0.104	0.097	0.110	0.815	1.63
99%	uT	0.117	0.127	0.126	0.122	0.132	--	--
99%	A/m	0.094	0.101	0.101	0.098	0.106	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 10 cm from the edges surrounding the EUT and 10-2-4-6cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	37.720	40.783	40.488	39.293	42.623	307	614
50%	0.137	35.206	38.064	37.788	36.674	39.782	307	614
99%	0.137	33.613	37.150	37.895	35.725	39.401	307	614

H-Field Strength at 10 cm from the edges surrounding the EUT and 10-2-4-6cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.128	0.136	0.140	0.126	0.145	--	--
1%	A/m	0.102	0.109	0.112	0.101	0.116	0.815	1.63
50%	uT	0.119	0.127	0.131	0.118	0.135	--	--
50%	A/m	0.095	0.102	0.104	0.094	0.108	0.815	1.63
99%	uT	0.112	0.130	0.131	0.121	0.132	--	--
99%	A/m	0.089	0.104	0.105	0.097	0.105	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 12 cm from the edges surrounding the EUT and 12cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	37.883	40.677	42.758	39.325	43.344	307	614
50%	0.137	35.358	37.965	39.908	36.703	40.455	307	614
99%	0.137	34.859	36.629	39.196	35.356	41.219	307	614

H-Field Strength at 12 cm from the edges surrounding the EUT and 12cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.127	0.139	0.143	0.131	0.148	--	--
1%	A/m	0.102	0.111	0.114	0.105	0.118	0.815	1.63
50%	uT	0.118	0.130	0.133	0.122	0.138	--	--
50%	A/m	0.095	0.104	0.106	0.098	0.110	0.815	1.63
99%	uT	0.116	0.126	0.134	0.123	0.132	--	--
99%	A/m	0.092	0.100	0.107	0.098	0.106	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 14 cm from the edges surrounding the EUT and 14cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	36.740	39.877	42.547	38.721	42.879	307	614
50%	0.137	34.291	37.218	39.711	36.139	40.021	307	614
99%	0.137	35.388	37.824	40.091	37.244	40.157	307	614

H-Field Strength at 14 cm from the edges surrounding the EUT and 14cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.126	0.135	0.143	0.133	0.143	--	--
1%	A/m	0.101	0.108	0.114	0.106	0.114	0.815	1.63
50%	uT	0.118	0.126	0.133	0.124	0.134	--	--
50%	A/m	0.094	0.101	0.107	0.099	0.107	0.815	1.63
99%	uT	0.112	0.128	0.127	0.118	0.130	--	--
99%	A/m	0.089	0.102	0.101	0.094	0.104	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 16 cm from the edges surrounding the EUT and 16cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	38.380	41.277	40.949	39.283	42.463	307	614
50%	0.137	35.821	38.525	38.219	36.664	39.632	307	614
99%	0.137	35.823	38.241	39.178	35.588	41.597	307	614

H-Field Strength at 16 cm from the edges surrounding the EUT and 16cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.128	0.136	0.140	0.127	0.148	--	--
1%	A/m	0.102	0.109	0.112	0.101	0.119	0.815	1.63
50%	uT	0.119	0.127	0.130	0.118	0.138	--	--
50%	A/m	0.095	0.102	0.104	0.095	0.111	0.815	1.63
99%	uT	0.114	0.122	0.131	0.123	0.137	--	--
99%	A/m	0.091	0.098	0.105	0.098	0.110	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 18 cm from the edges surrounding the EUT and 18cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	38.573	39.491	40.579	39.011	42.482	307	614
50%	0.137	36.002	36.859	37.874	36.410	39.650	307	614
99%	0.137	35.230	37.443	39.696	36.028	40.833	307	614

H-Field Strength at 18 cm from the edges surrounding the EUT and 18cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.126	0.133	0.141	0.128	0.146	--	--
1%	A/m	0.100	0.107	0.113	0.103	0.116	0.815	1.63
50%	uT	0.117	0.125	0.132	0.120	0.136	--	--
50%	A/m	0.094	0.100	0.106	0.096	0.109	0.815	1.63
99%	uT	0.119	0.126	0.133	0.119	0.138	--	--
99%	A/m	0.095	0.101	0.107	0.095	0.111	0.815	1.63

Note: A/m=uT/1.25

E-Field Strength at 20 cm from the edges surrounding the EUT and 20-2-4-6cm from the top surface of the EUT

Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	0.137	36.544	39.431	42.684	39.946	43.453	307	614
50%	0.137	34.107	36.802	39.838	37.283	40.556	307	614
99%	0.137	36.408	36.837	39.706	37.480	38.759	307	614

H-Field Strength at 20 cm from the edges surrounding the EUT and 20-2-4-6cm from the top surface of the EUT

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
		Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
1%	uT	0.130	0.131	0.141	0.134	0.138	--	--
1%	A/m	0.104	0.105	0.113	0.107	0.110	0.815	1.63
50%	uT	0.121	0.123	0.132	0.125	0.129	--	--
50%	A/m	0.097	0.098	0.106	0.100	0.103	0.815	1.63
99%	uT	0.121	0.129	0.132	0.119	0.131	--	--
99%	A/m	0.097	0.103	0.106	0.095	0.105	0.815	1.63

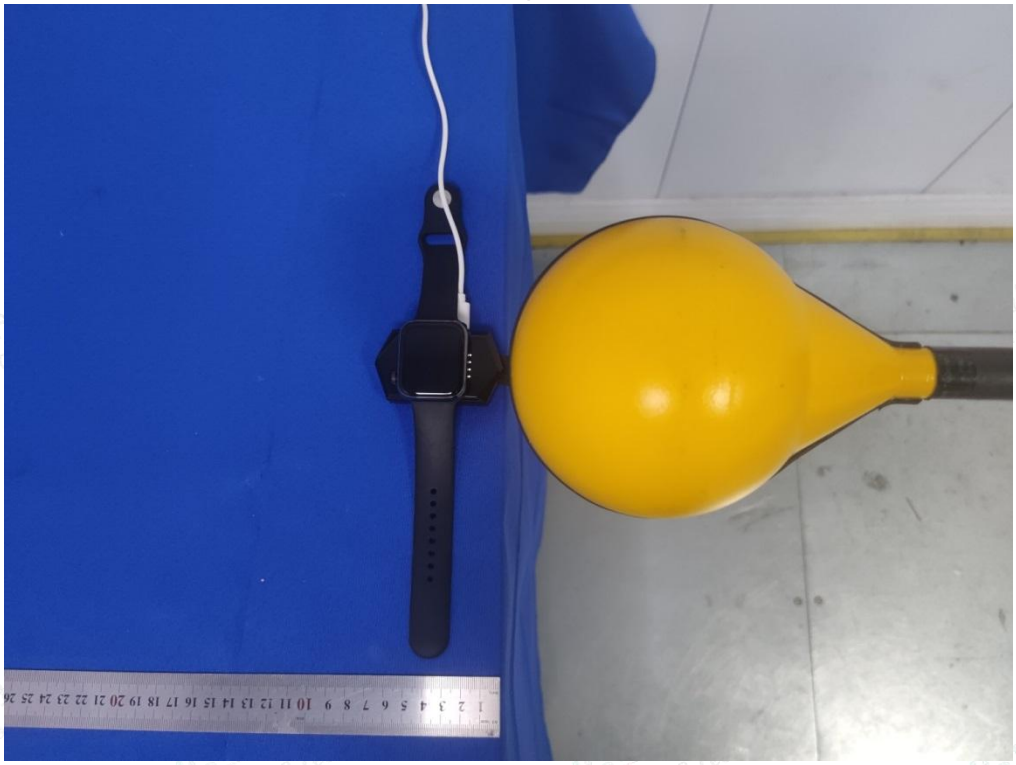
Note: A/m=uT/1.25

9. Test Setup Photos

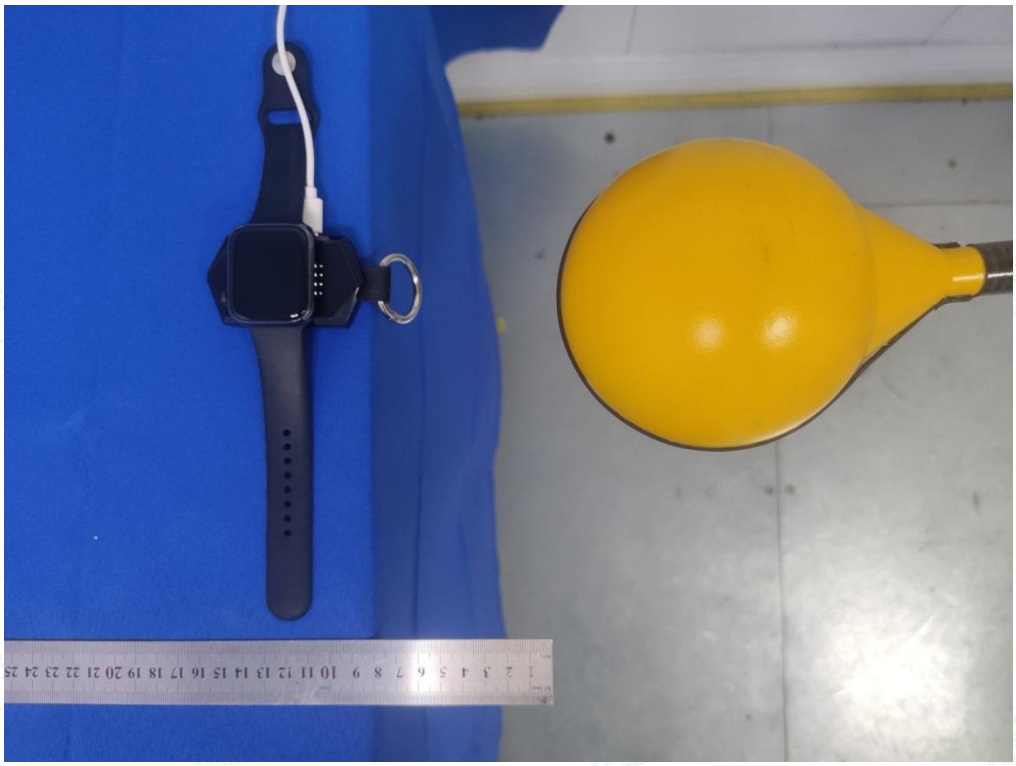
Remark：

0cm-20cm only reflects the worst mode 0-2-4-6cm.

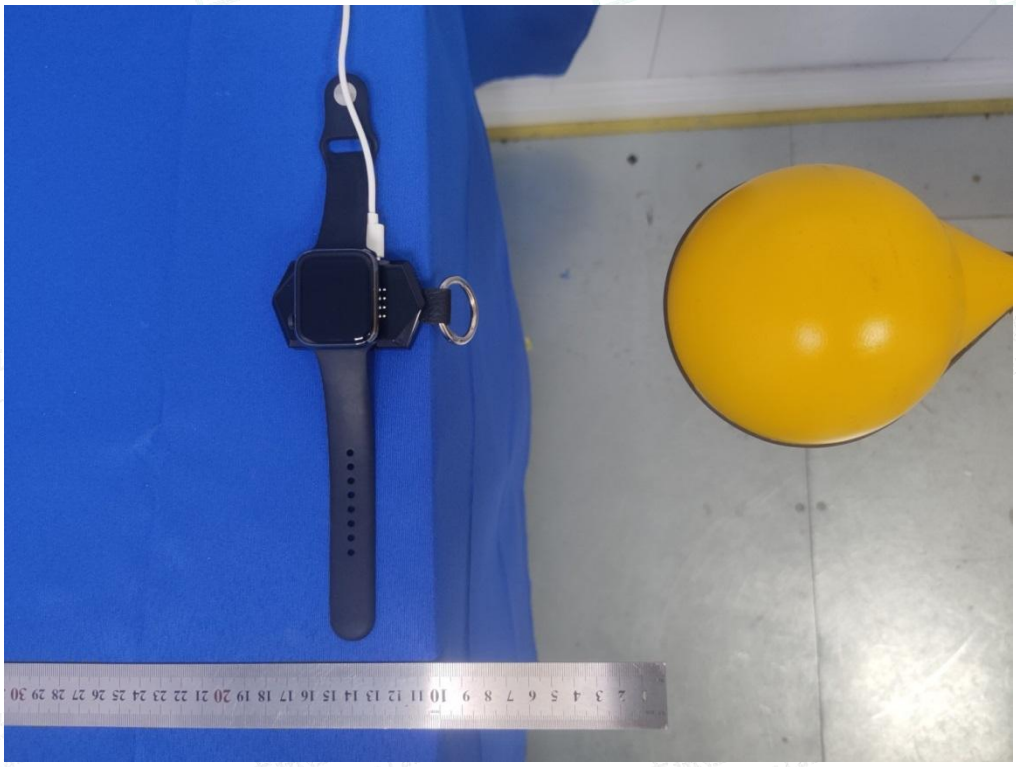
9.1. Test Position A - Exposure photo from side edge surface-Rear (0-2-4-6cm)



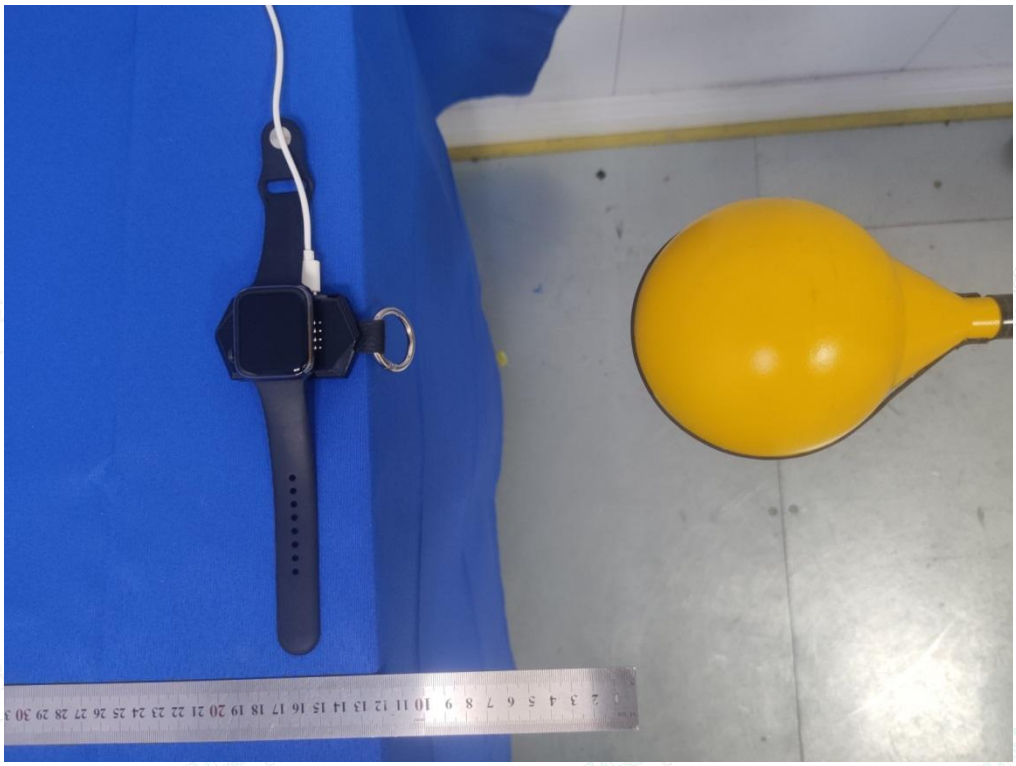
8cm



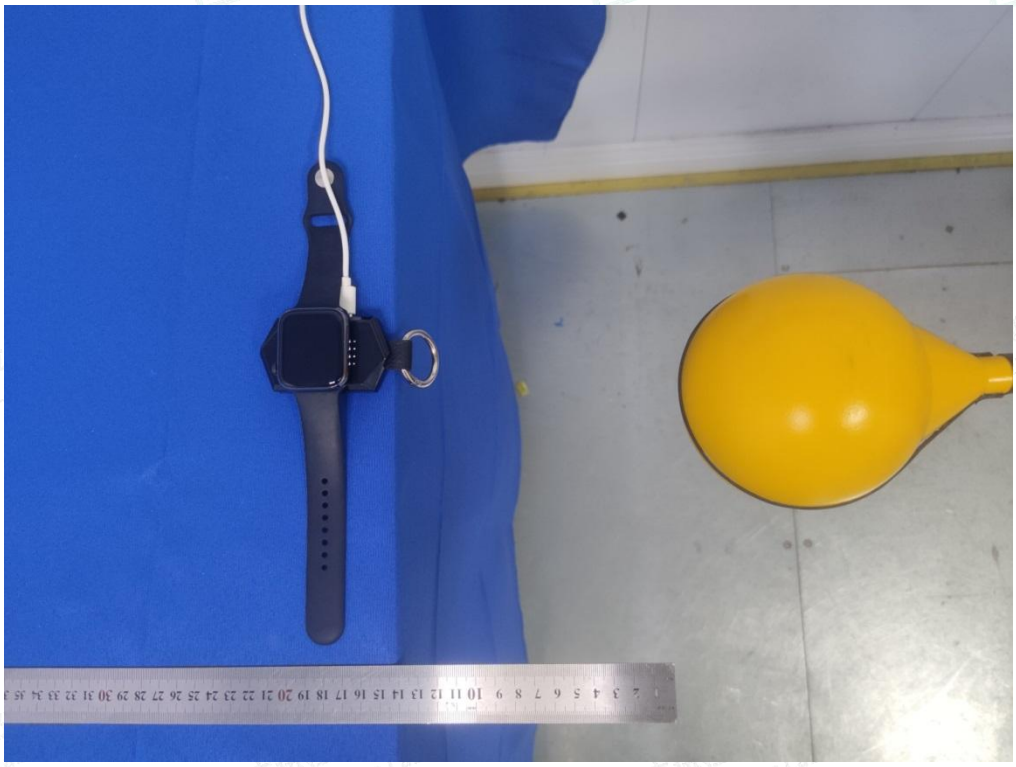
10cm



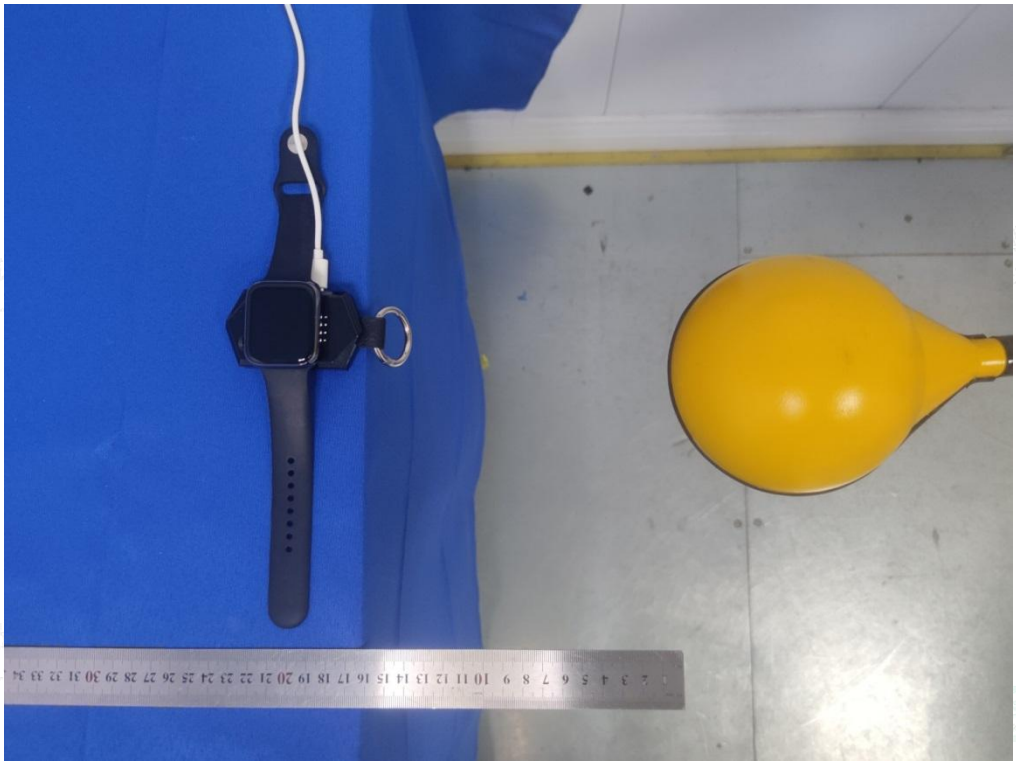
12cm



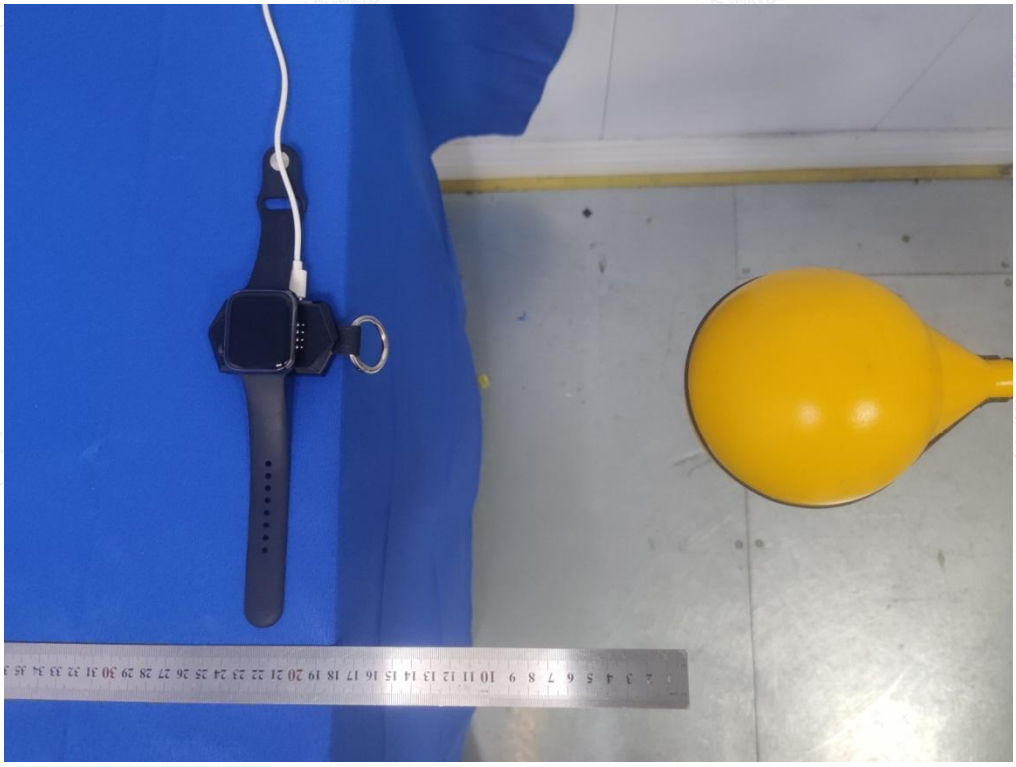
14cm



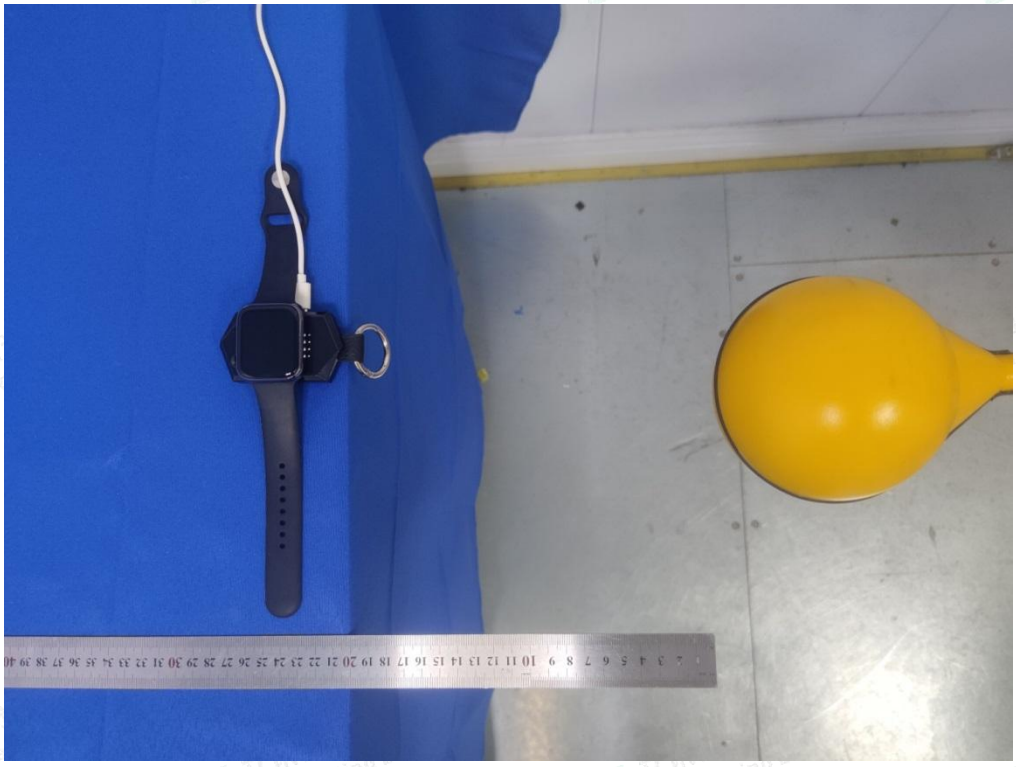
16cm



18cm

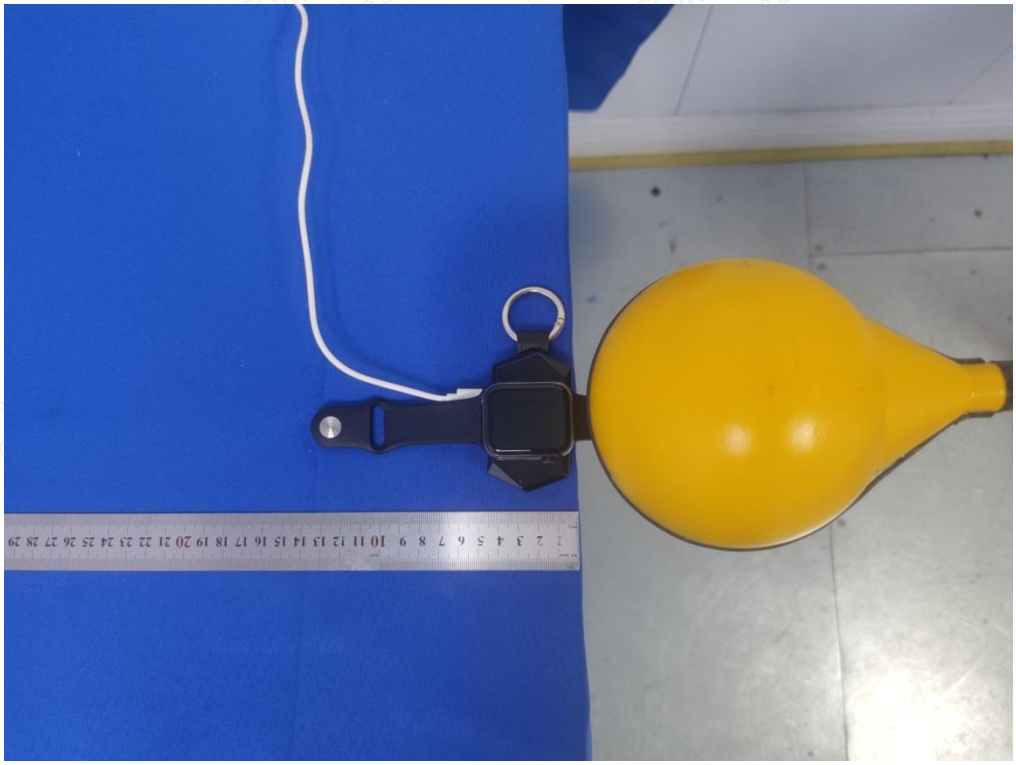


20cm

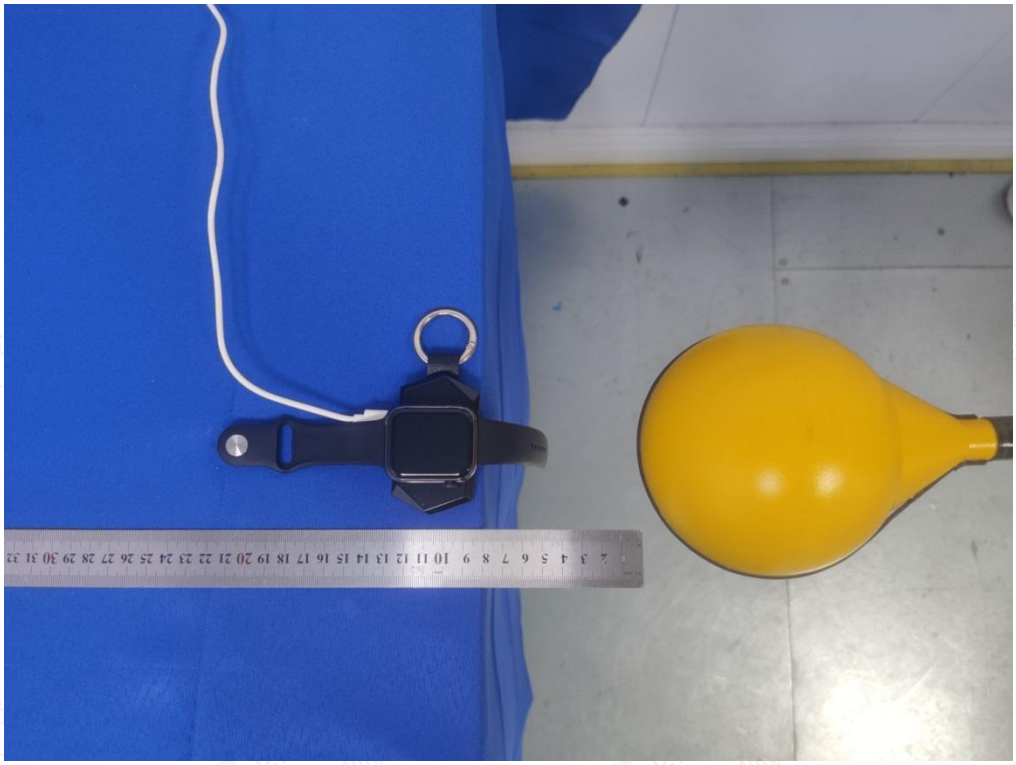


(TM1)

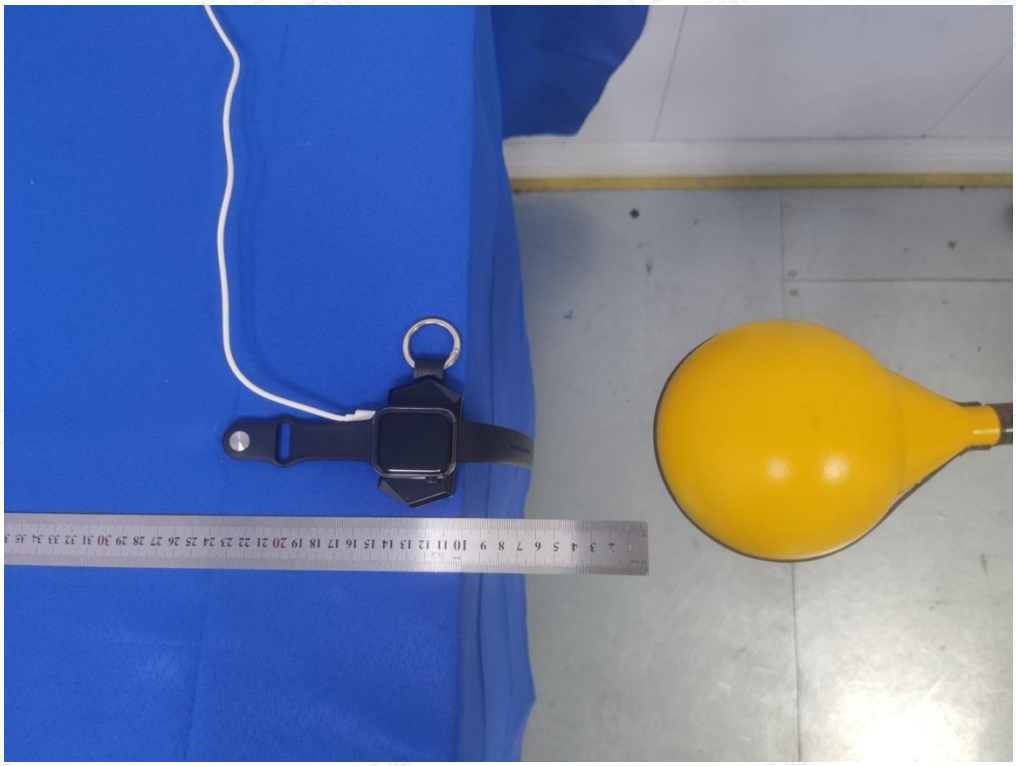
9.2. Test Position B - Exposure photo from side edge surface-Left (0-2-4-6cm)



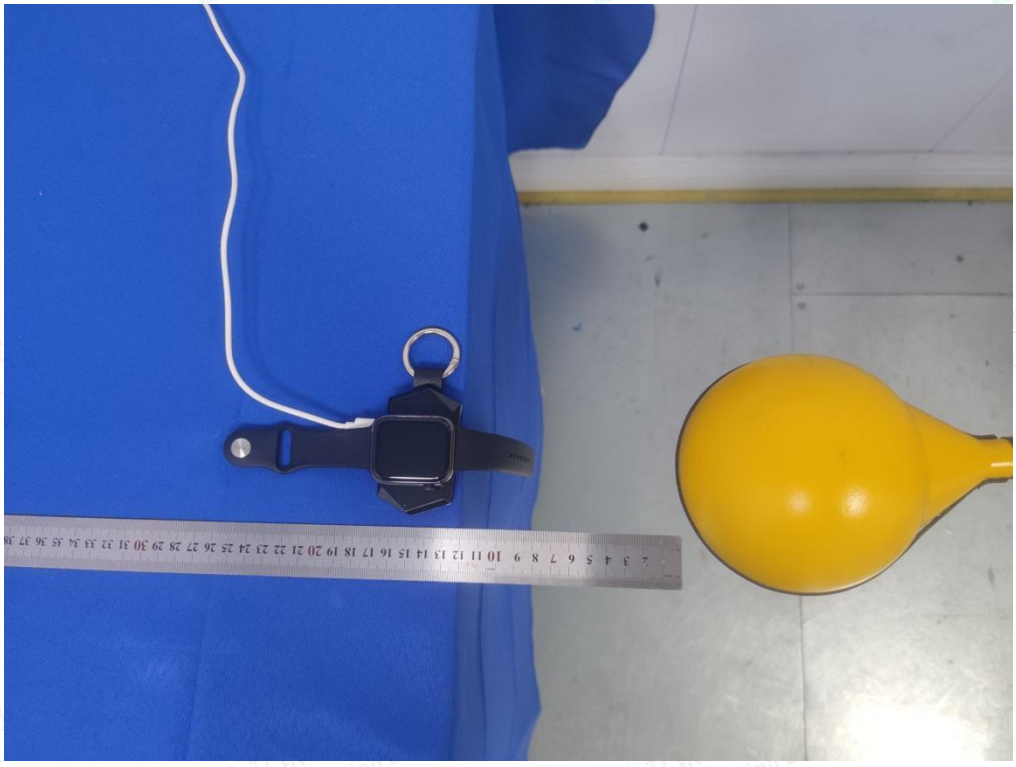
8cm



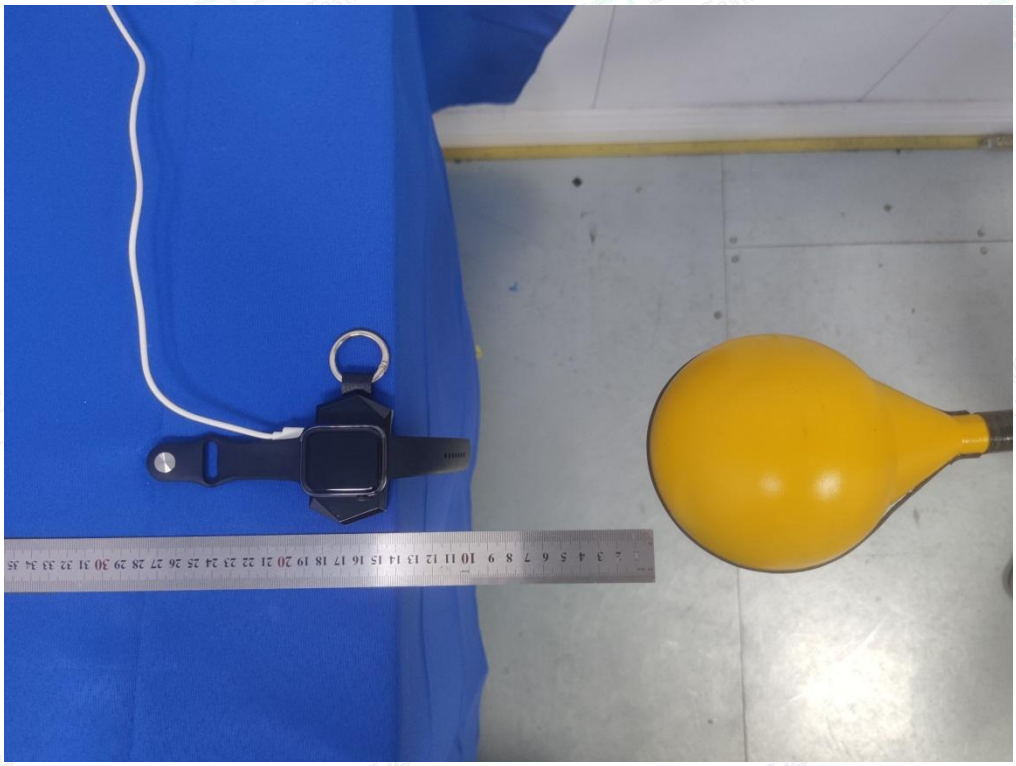
10cm



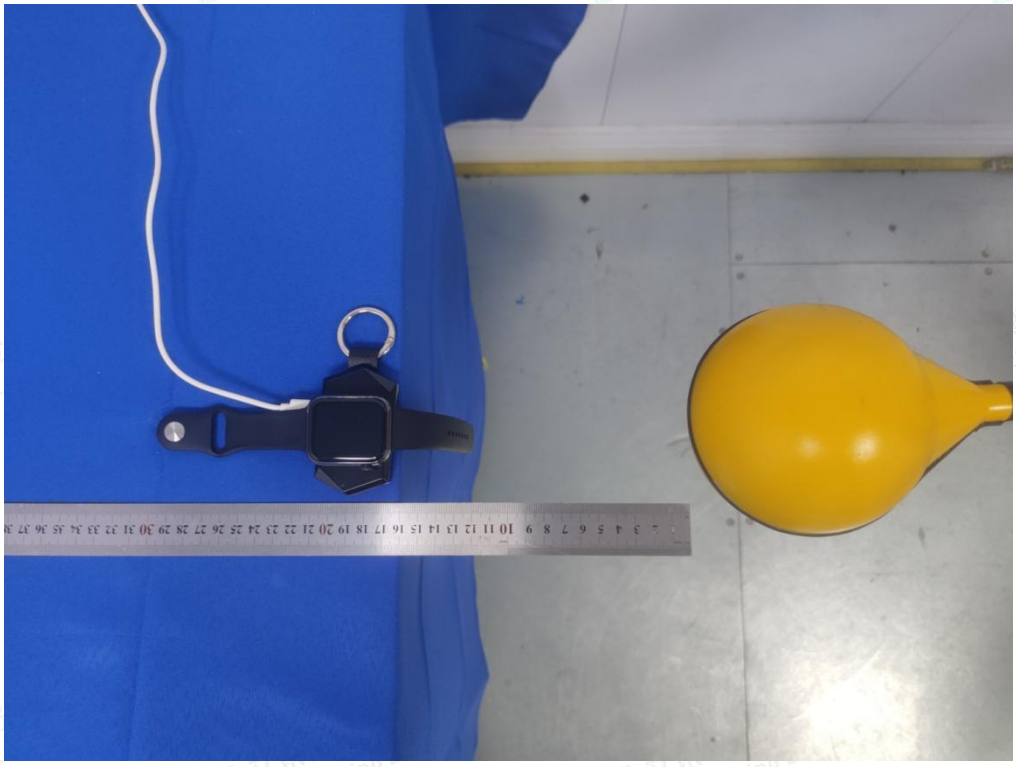
12cm



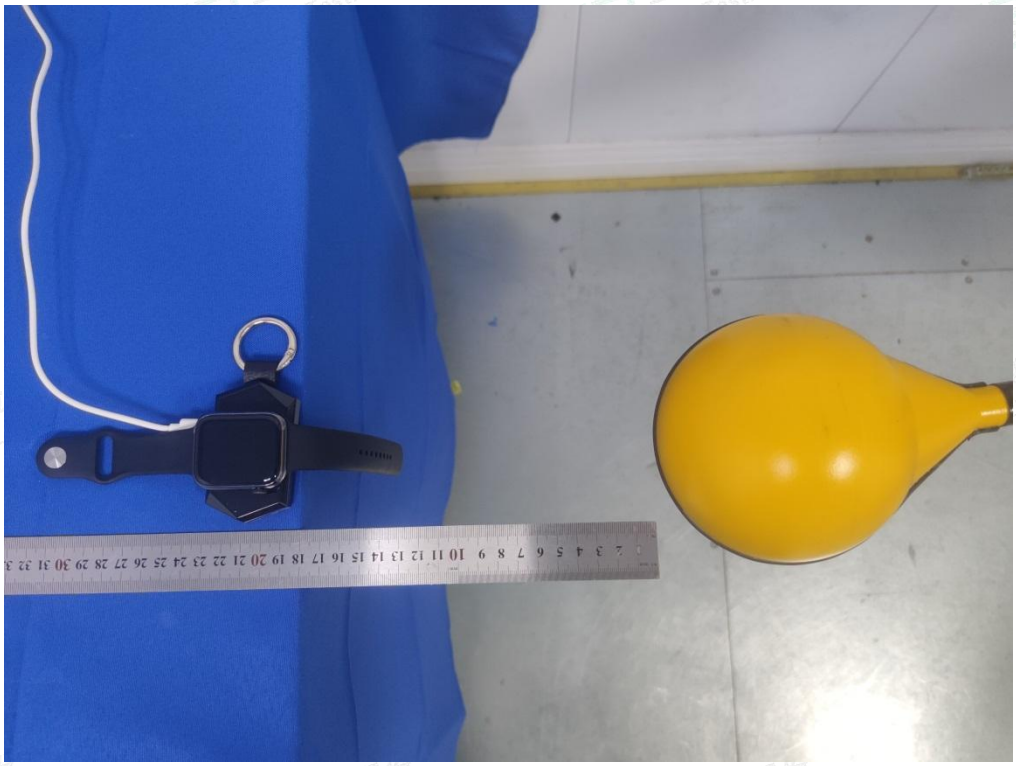
14cm



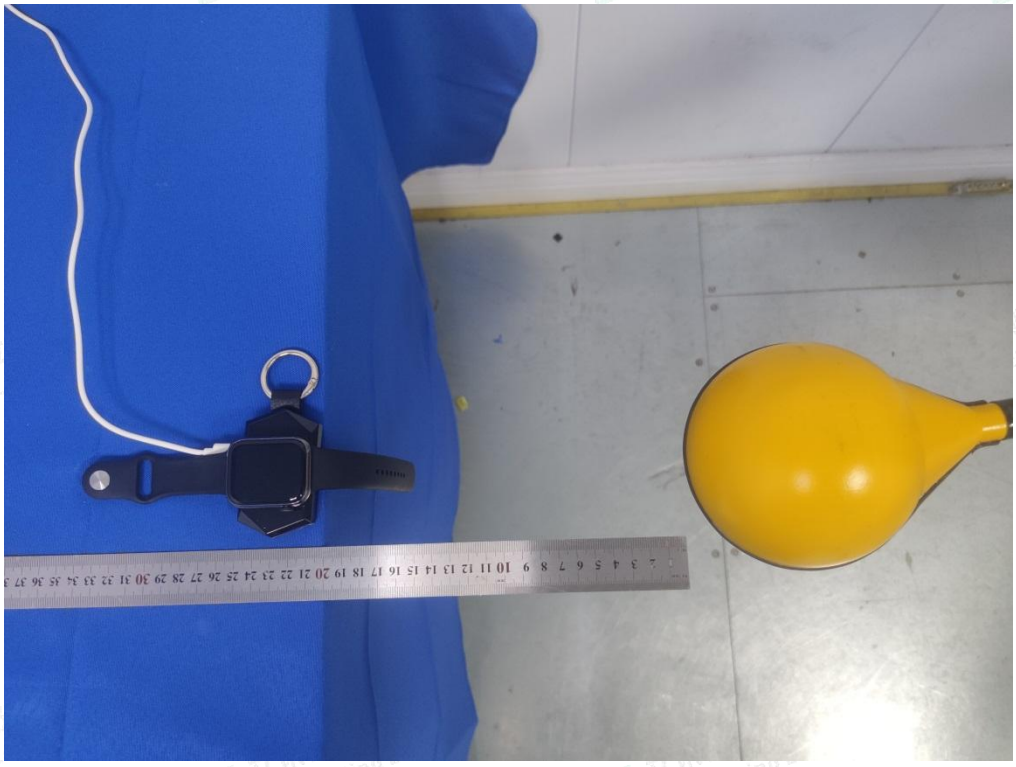
16cm



18cm

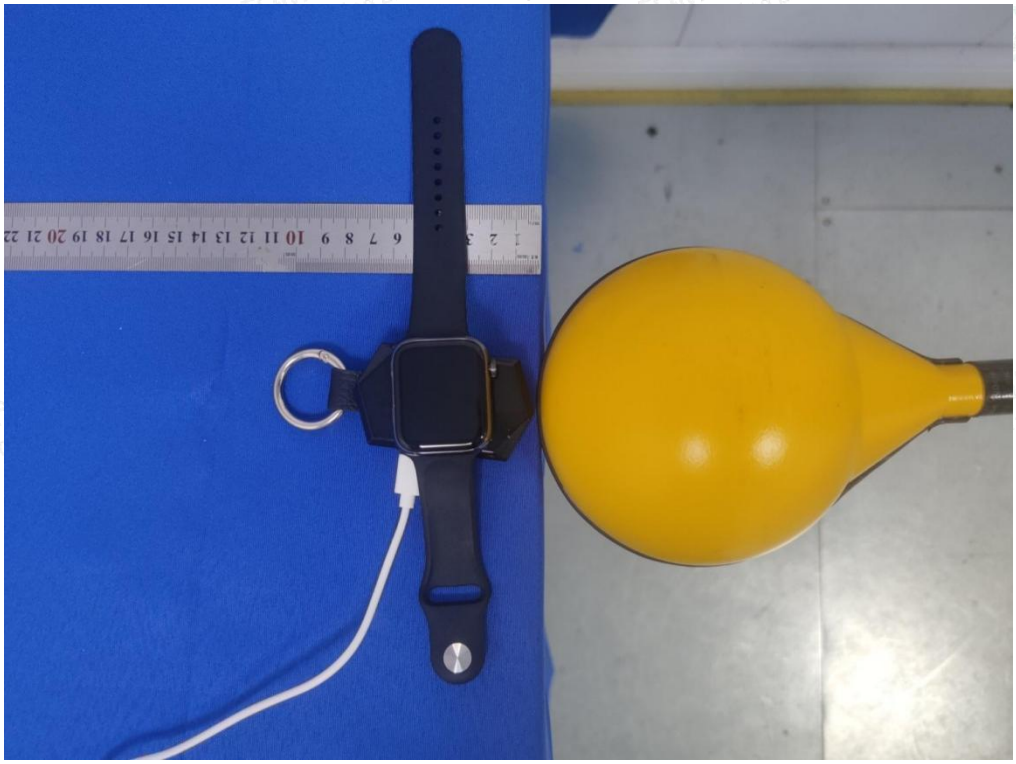


20cm

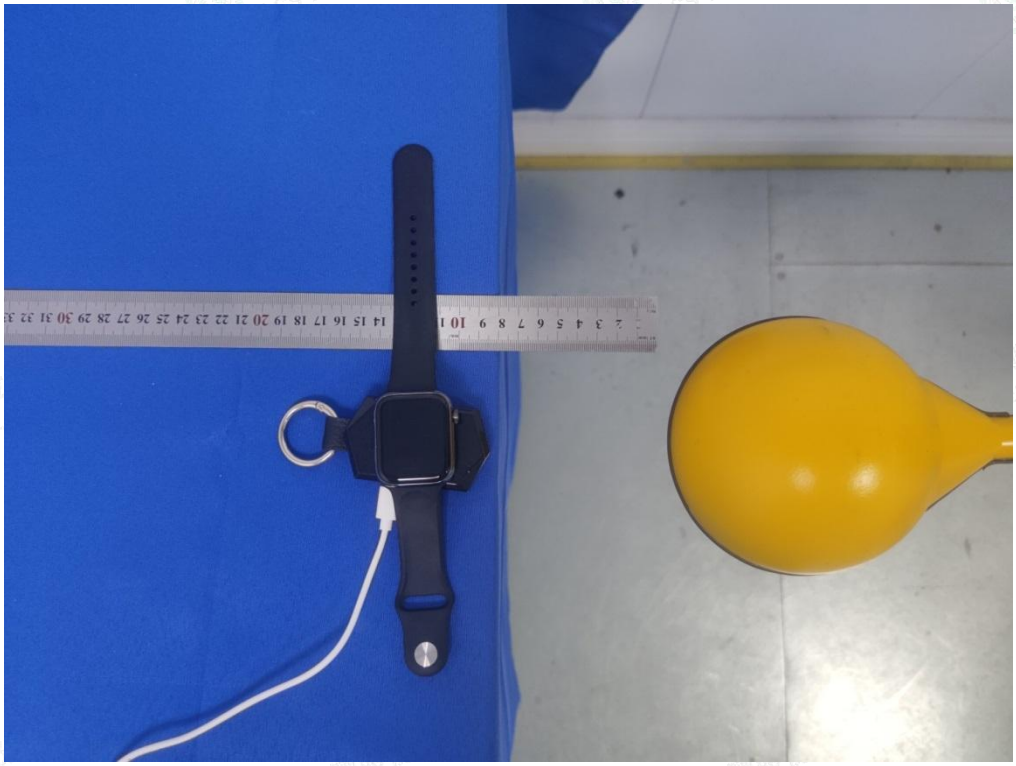


(TM1)

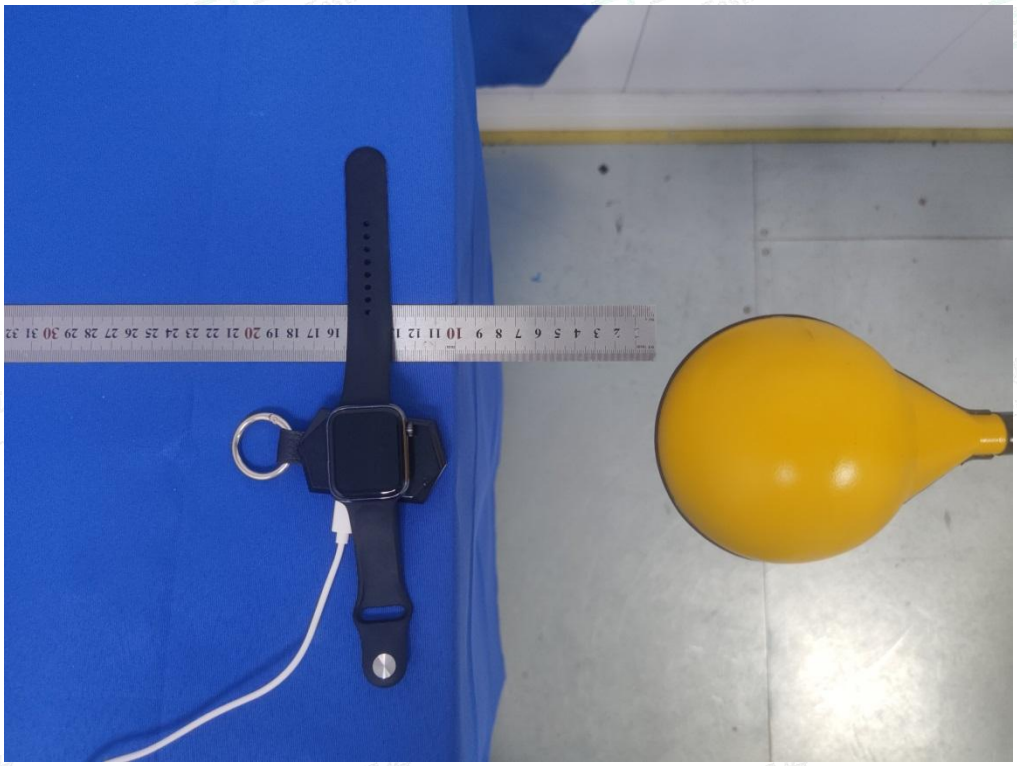
9.3. Test Position C - Exposure photo from side edge surface-Front (0-2-4-6cm)



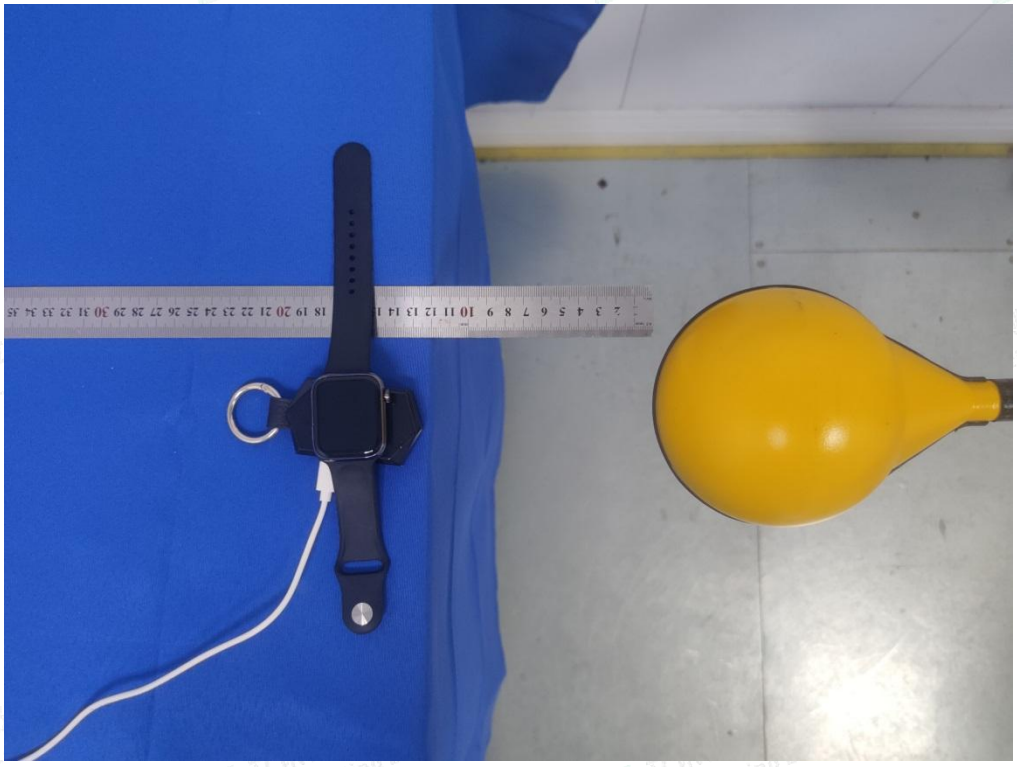
8cm



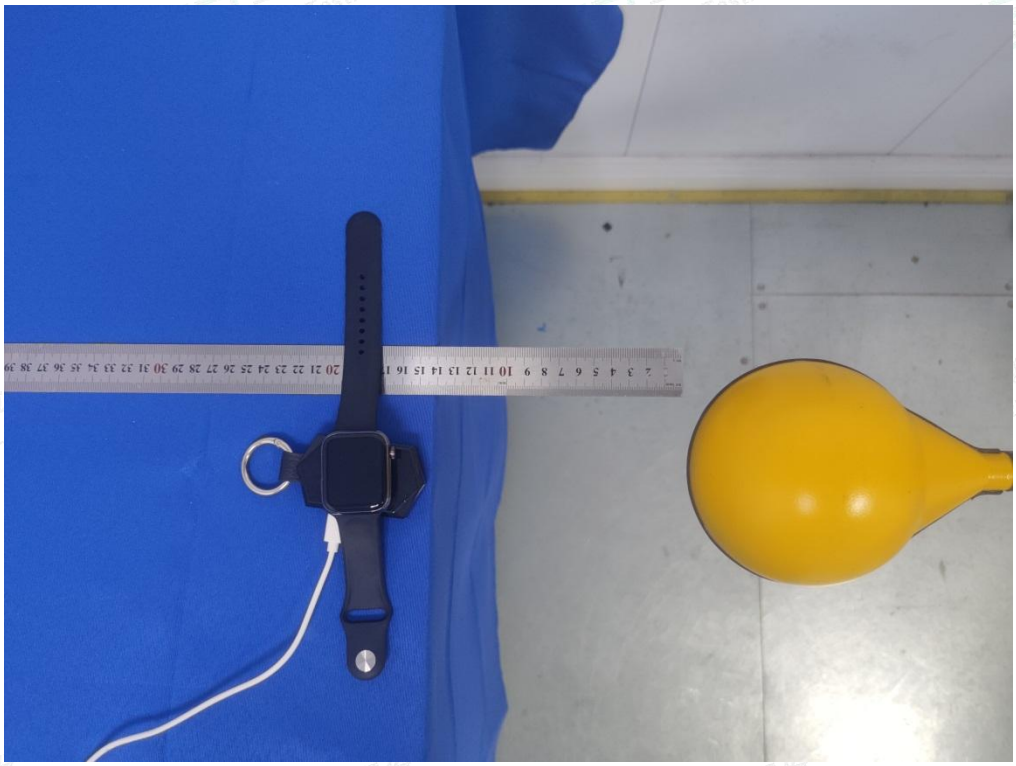
10cm



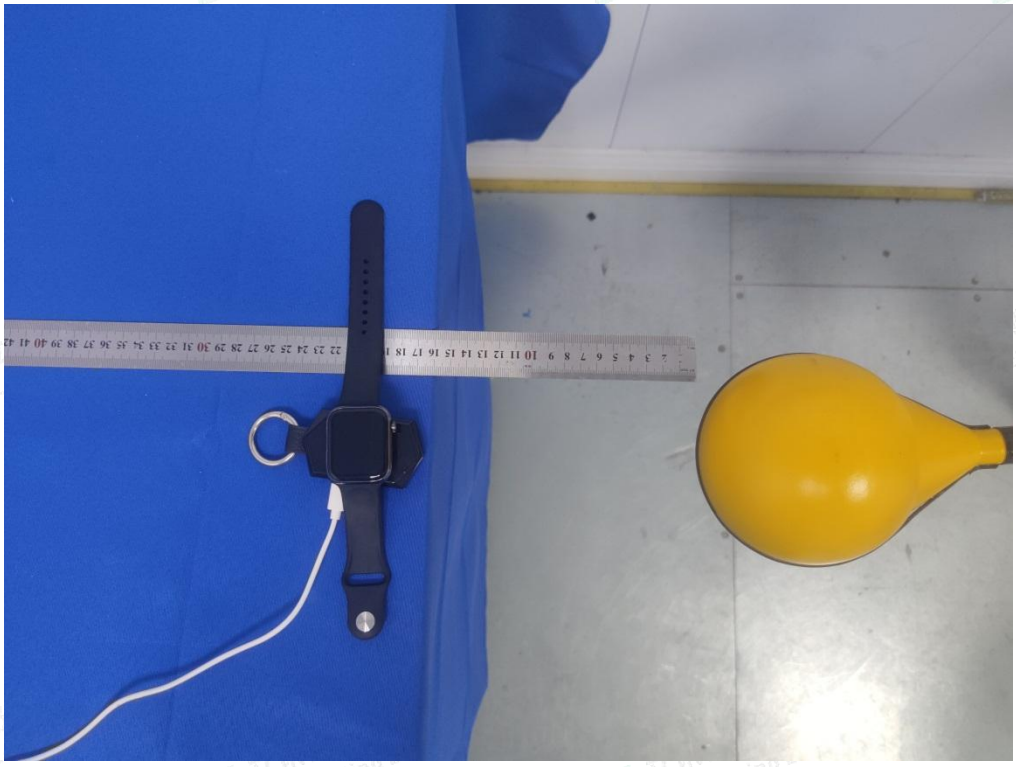
12cm



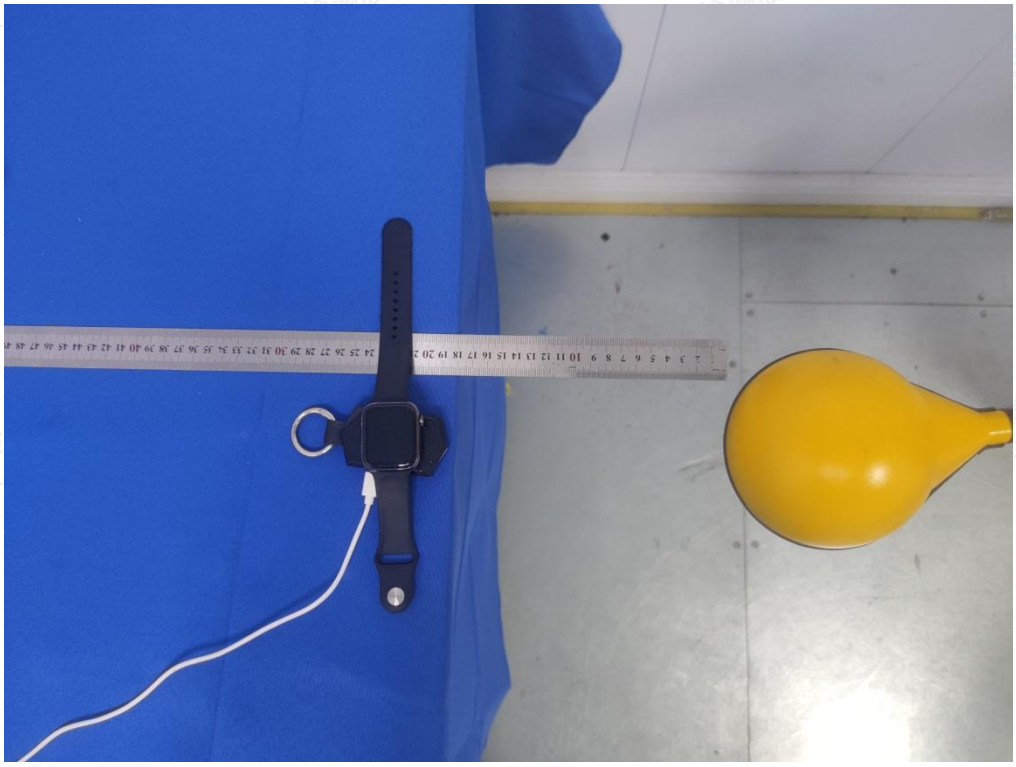
14cm



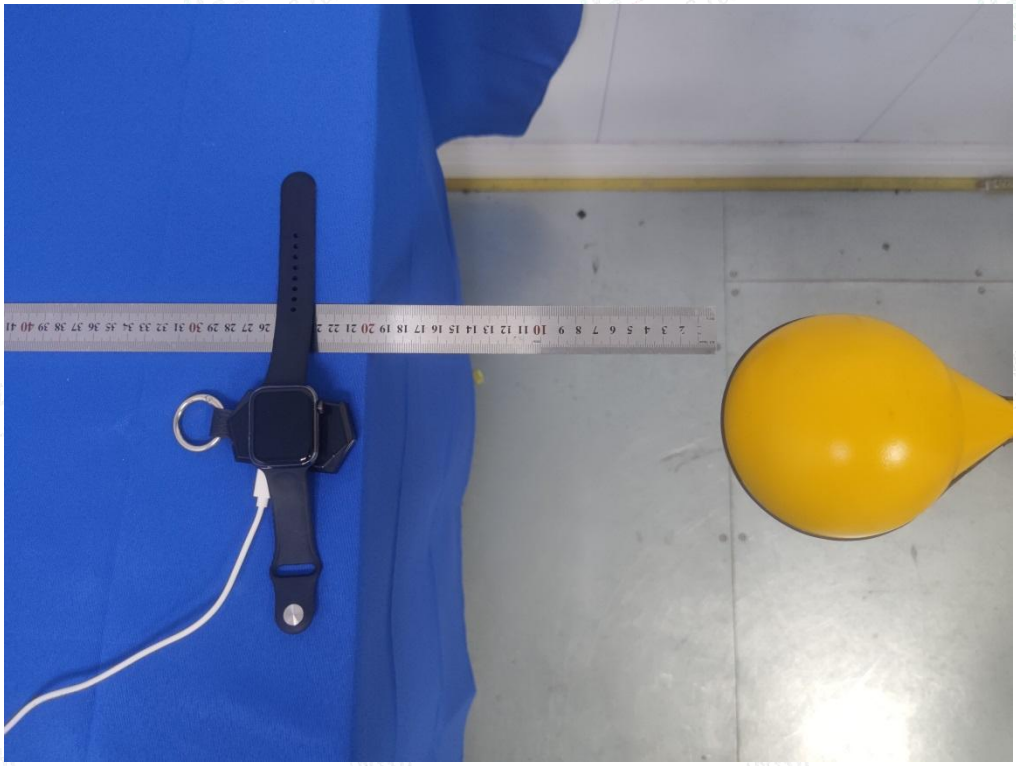
16cm



18cm



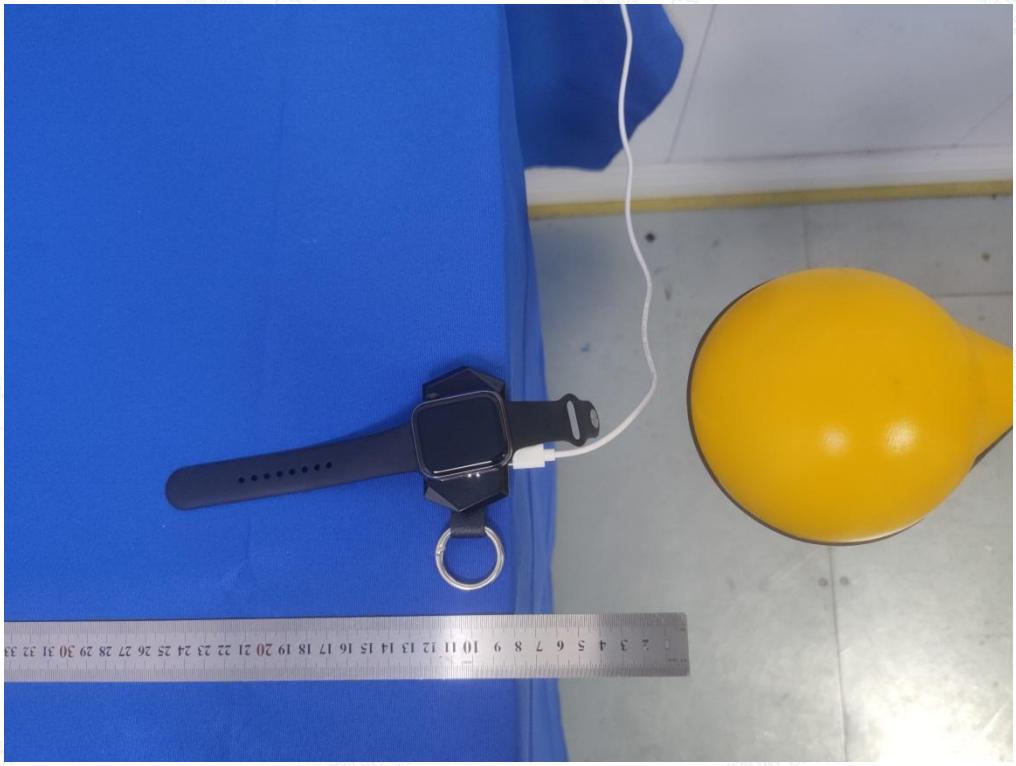
20cm



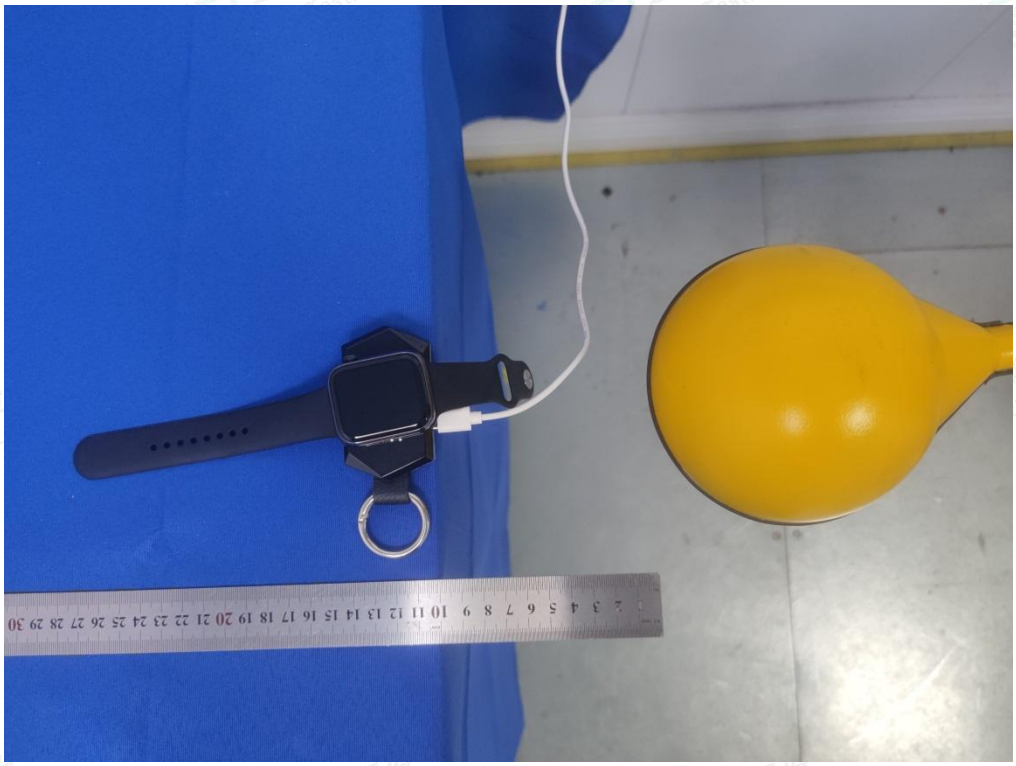
(TM1)

9.4. Test Position D - Exposure photo from side edge surface-Right (0-2-4-6cm)

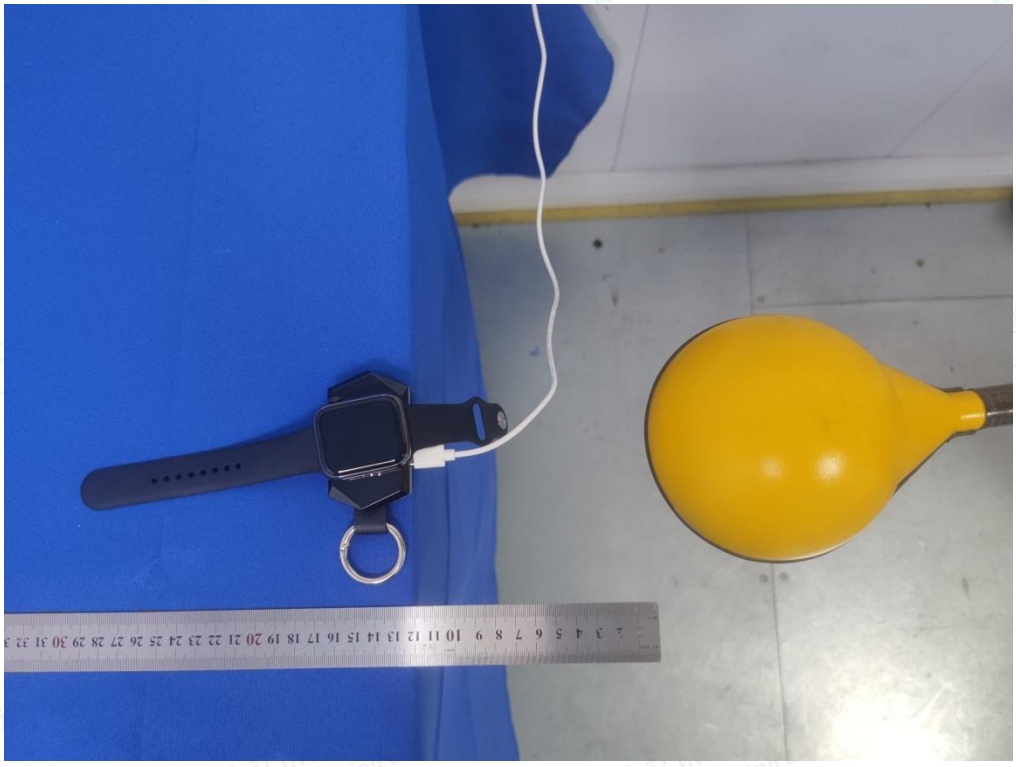
8cm



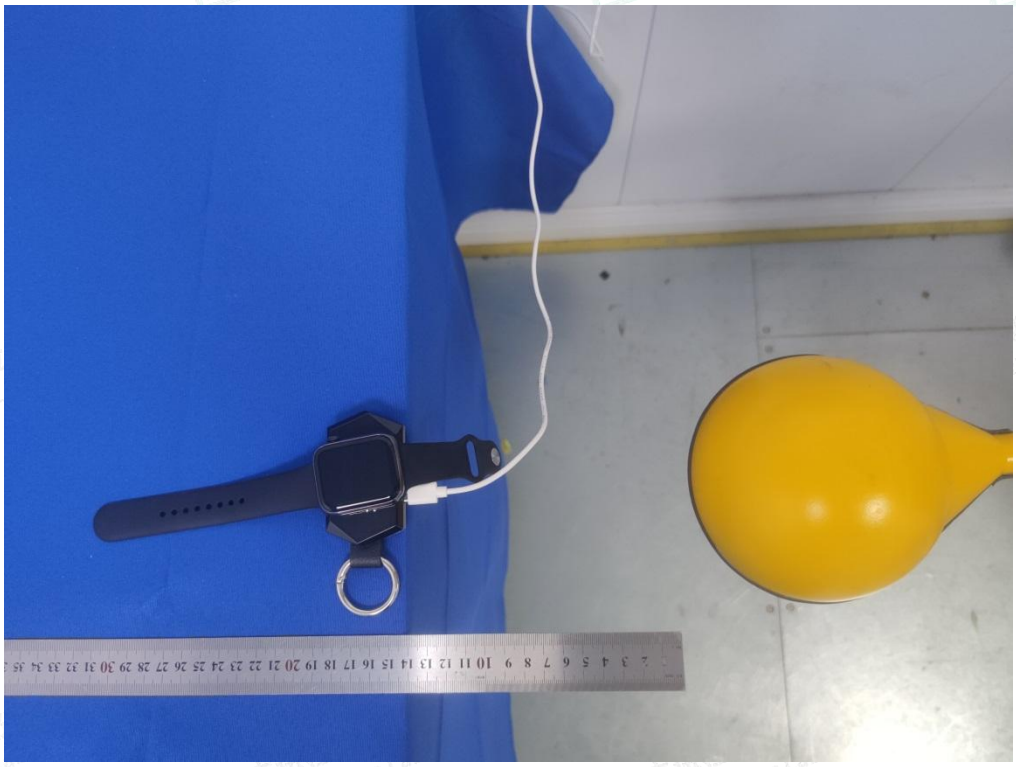
10cm



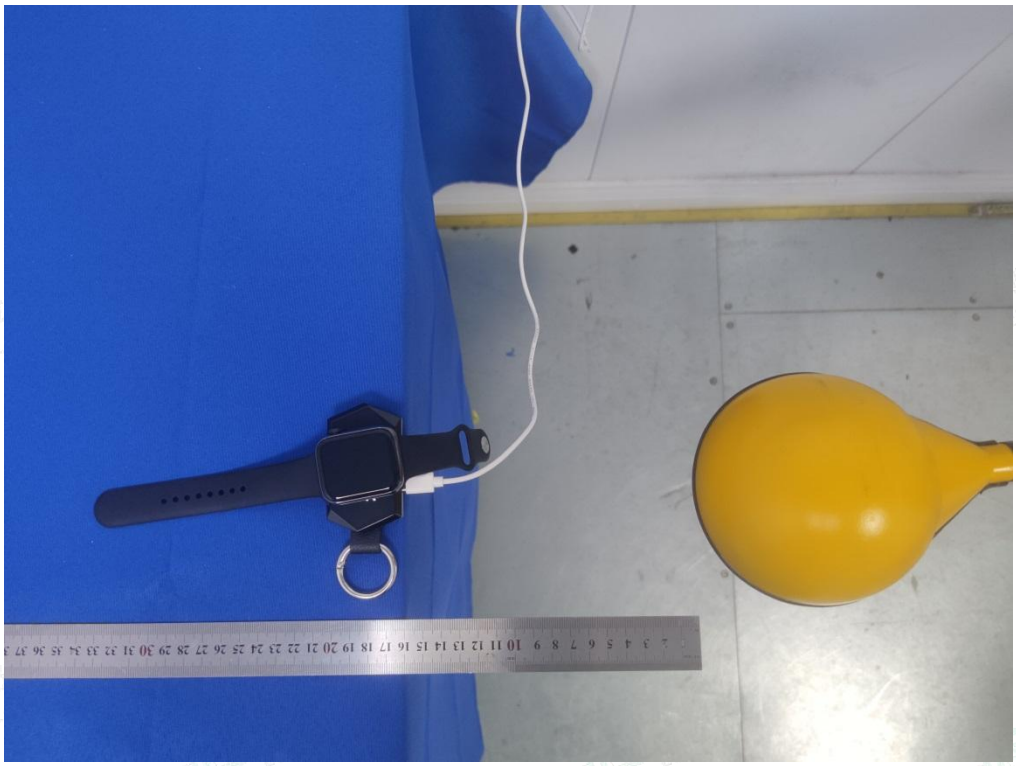
12cm



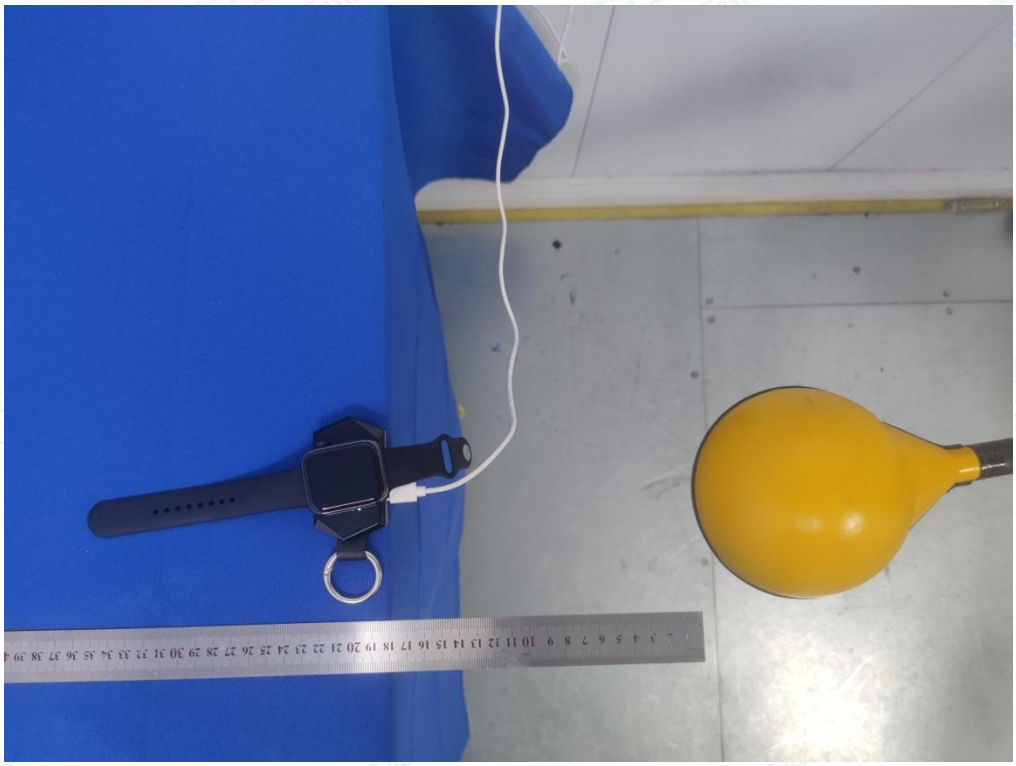
14cm



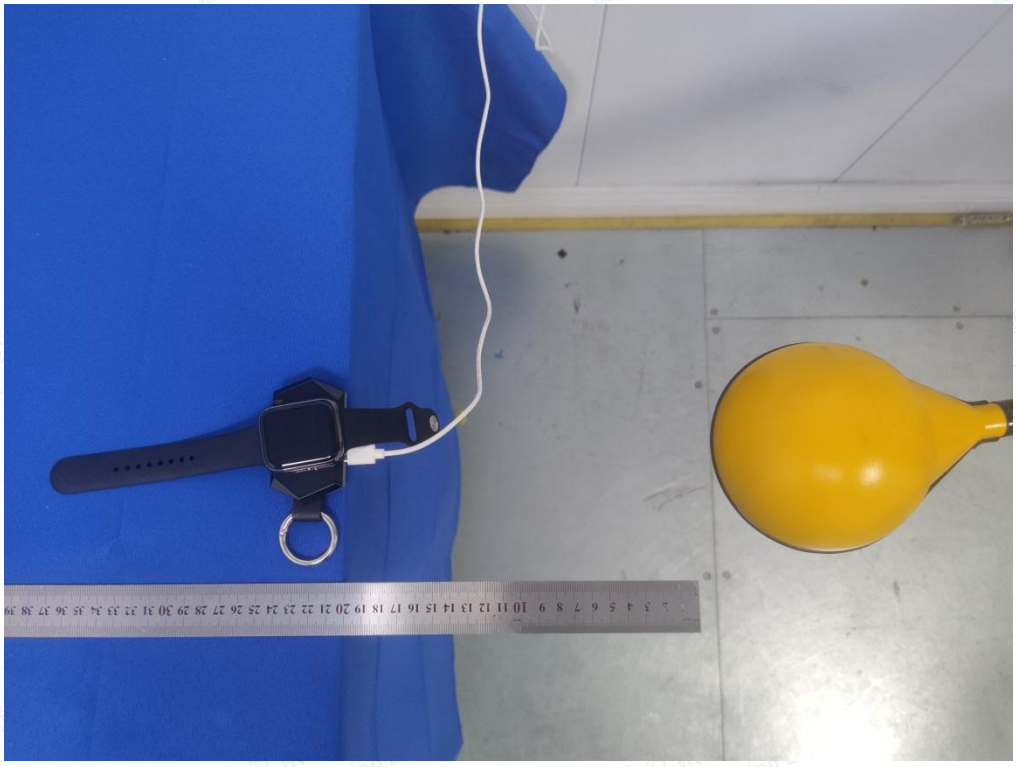
16cm



18cm

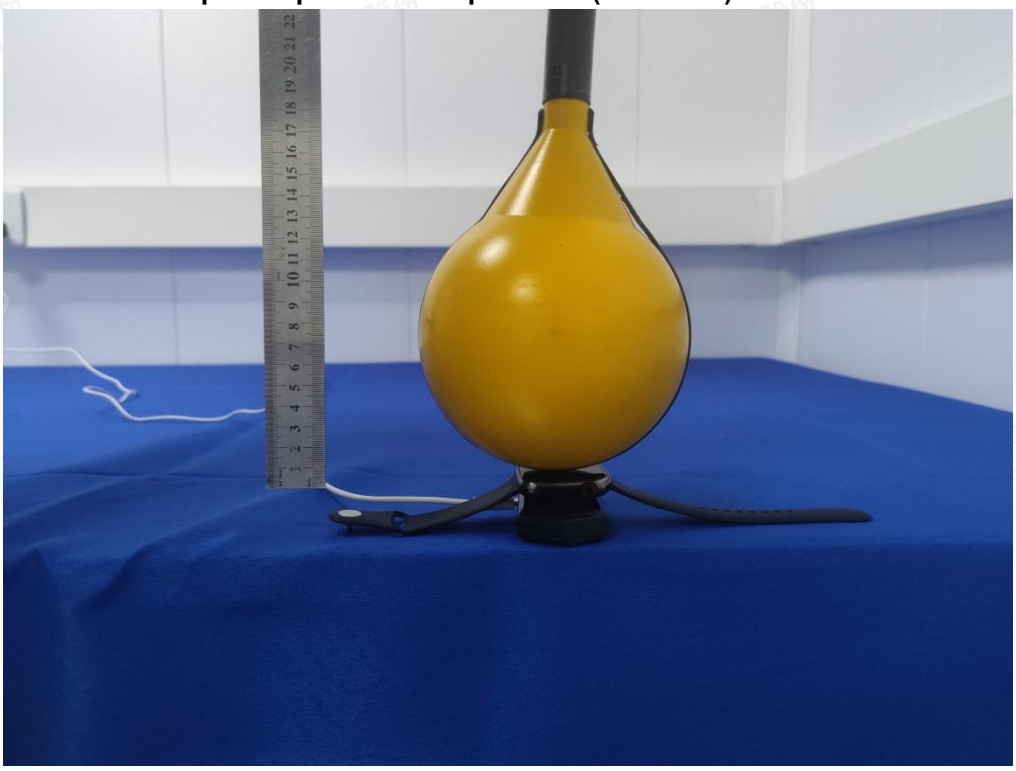


20cm

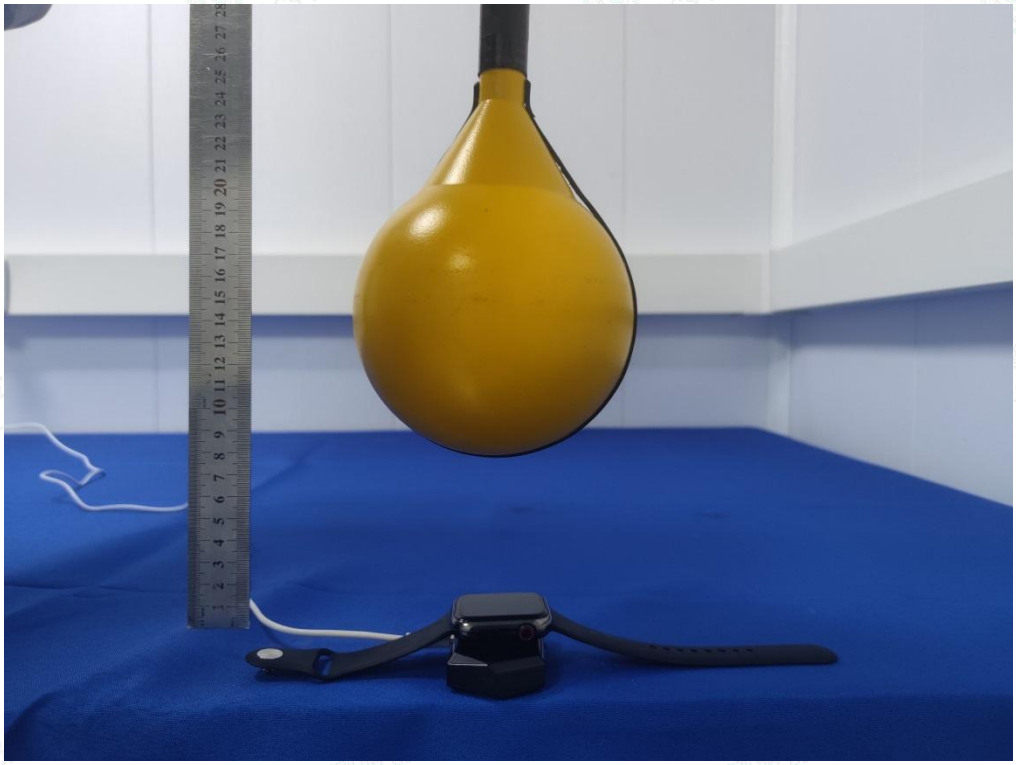


(TM1)

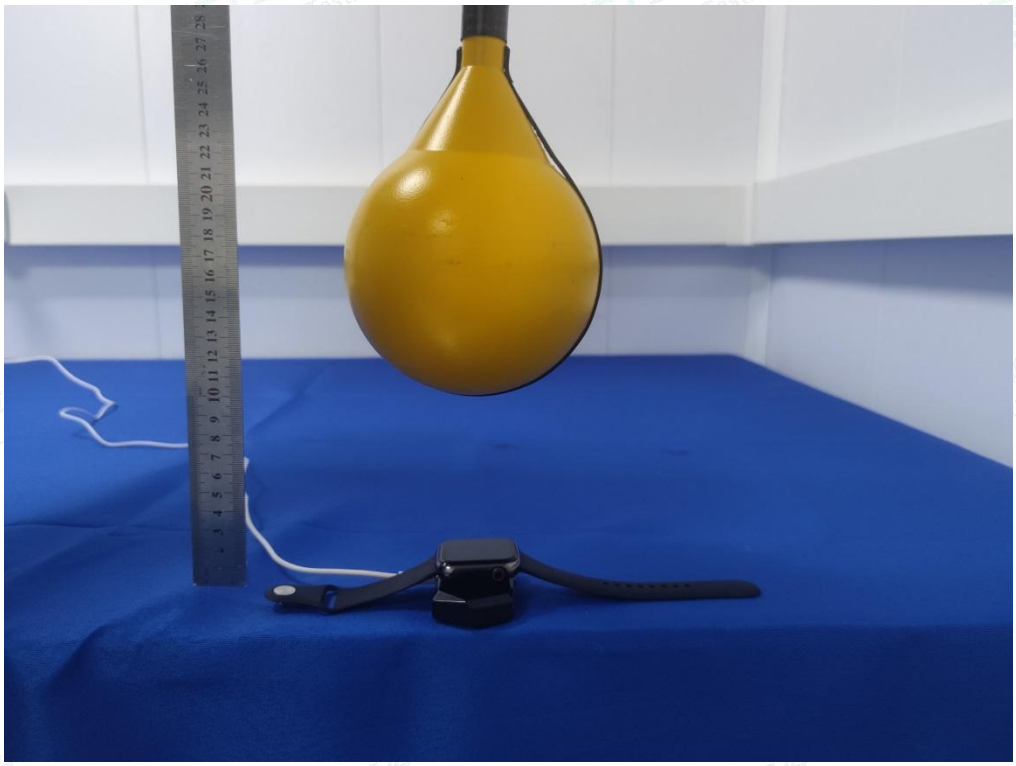
9.5. Test Position E - Exposure photo from top surface (0-2-4-6cm)



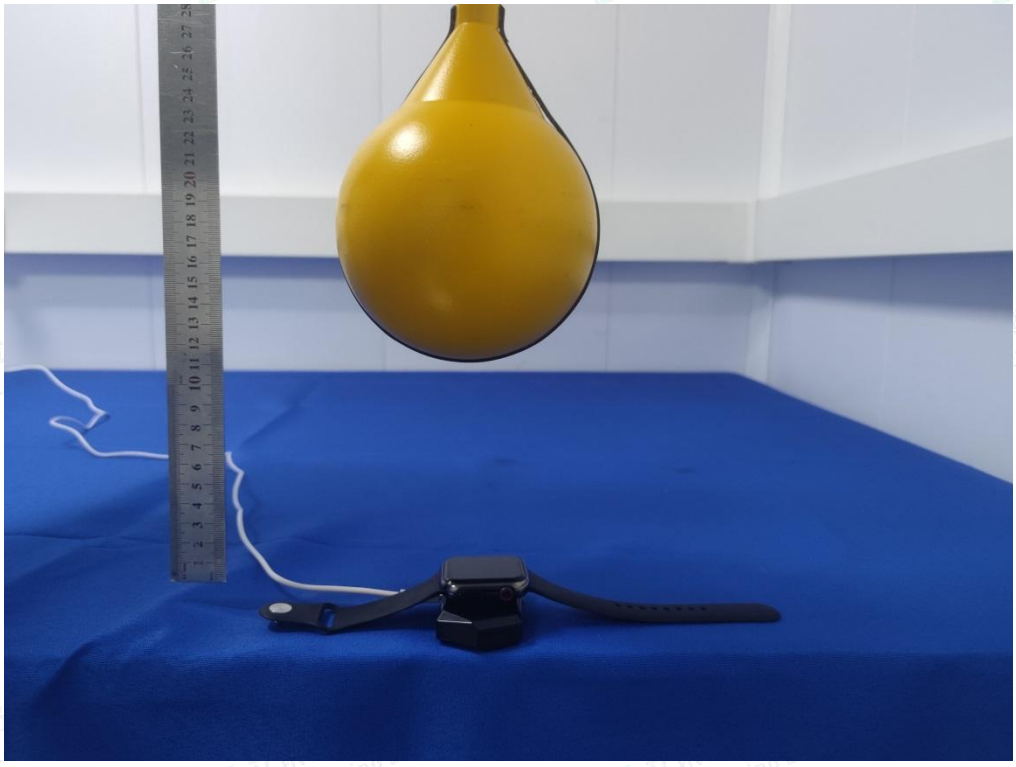
8cm



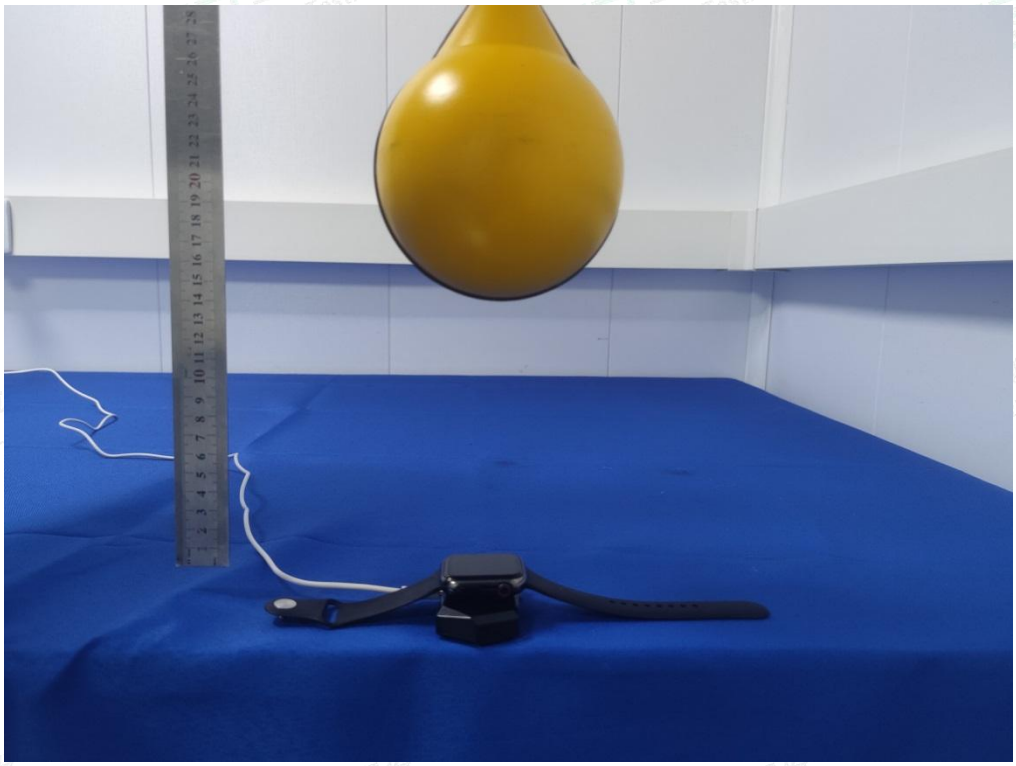
10cm



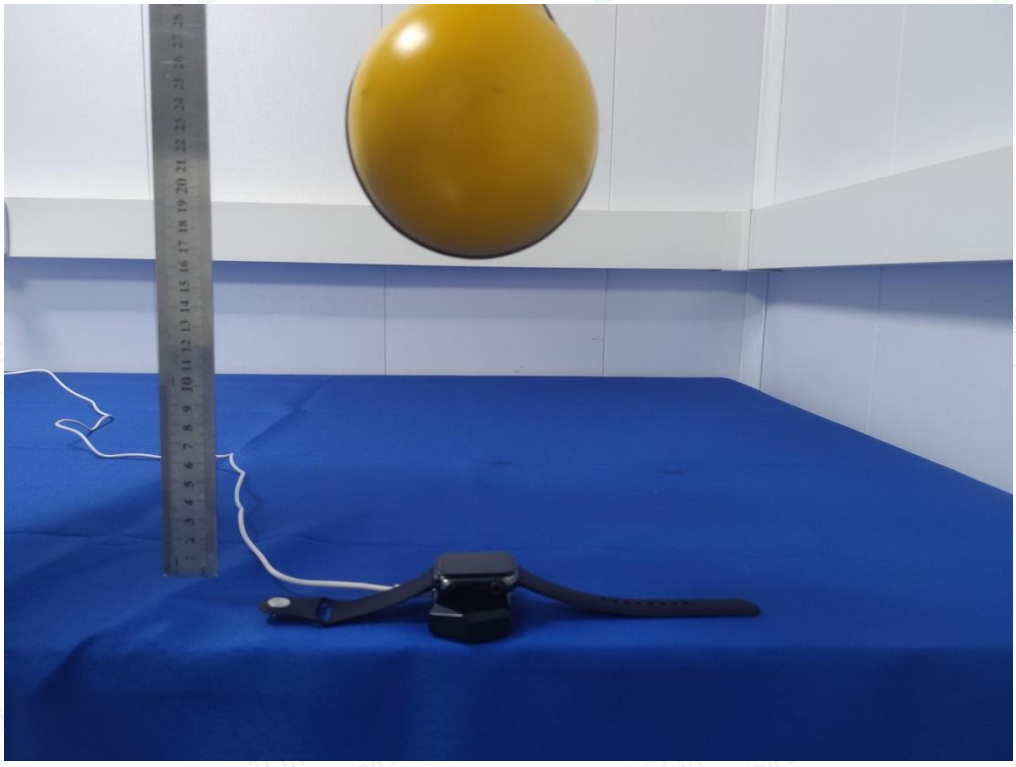
12cm



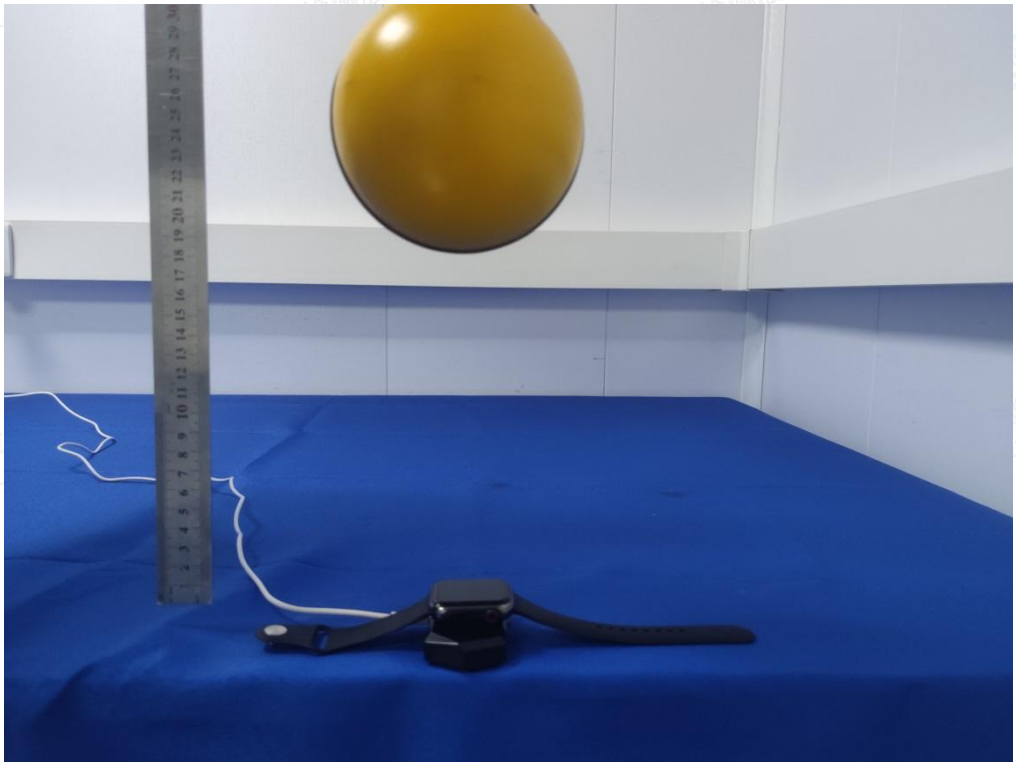
14cm



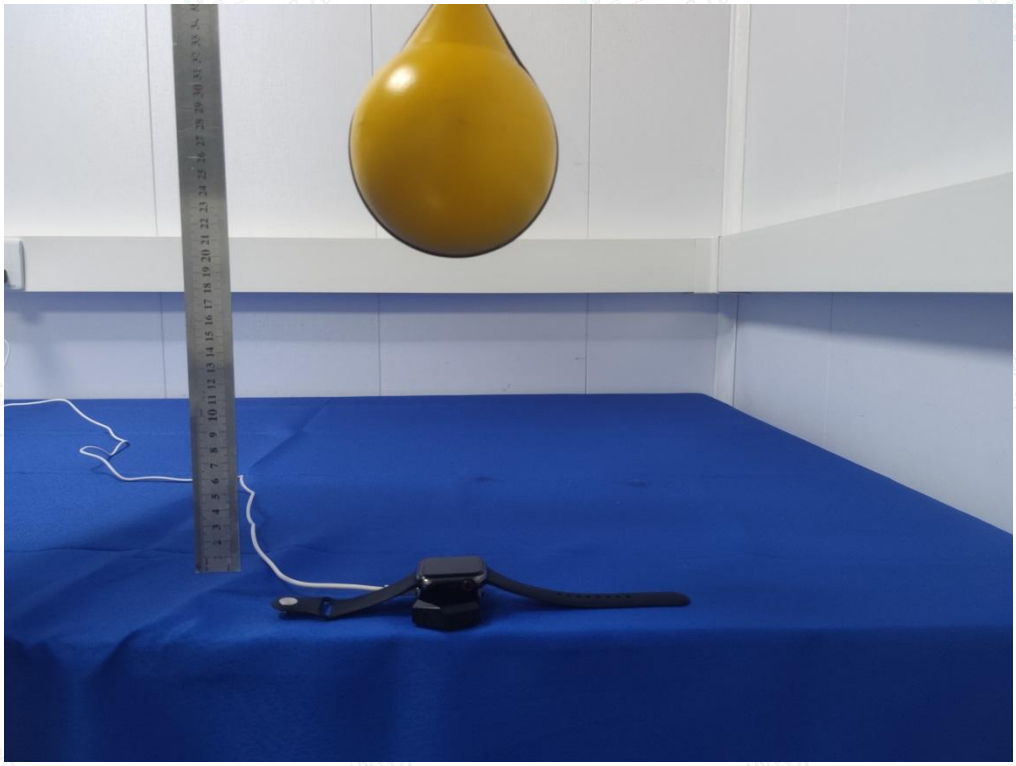
16cm



18cm



20cm



(TM1)

10. Conclusion

A minimum safety distance of at 0 cm surrounding the device is required when the device is charging a smart phone. The detected emissions with a distance of 0 cm surrounding the device is below the limitations according to FCC KDB 680106 D01 Section 3. RF Exposure Requirement Clause 3.

Revision History

Revision	Issue Date	Revision Content	Revised By
000	January 13, 2023	Initial Issue	--

.....END OF REPORT.....