RF Exposure Evaluation Report

1. Product Information

Product Name	Wireless Charging Power Bank
Test Model	WPB05-FX
Power Supply	Capacity: 10000mAh 3.85V/38.5Wh USB-C Input: 5V⎓3A, 9V⎓2A Wireless Output: 5W, 7.5W, 10W USB-C Output: 5V⎓3A, 9V⎓2.2A, 12V⎓1.5A USB-A Output: 5V⎓3A, 9V⎓2A, 12V⎓1.5A
Modulation Type	ASK
Frequency Range	110.2~205.0 kHz
Antenna Type	Coil Antenna
Hardware version	/
Software version	/
Accessories	Mobile phone
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

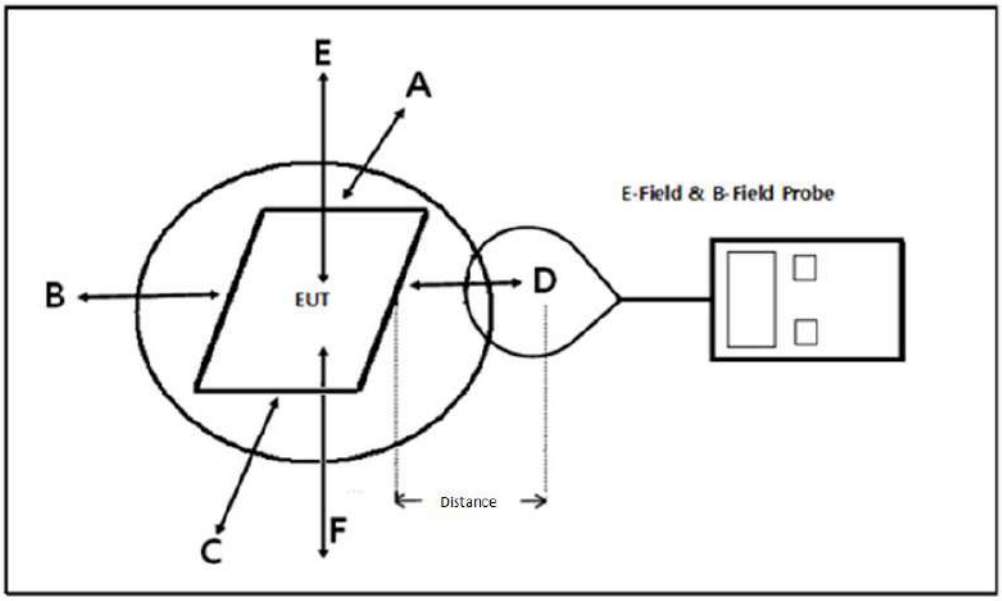
According to FCC KDB 680106 D01 Section 3. RF Exposure Requirements clause 3 the Emission-Limits in the frequency range from 100 KHz to 300 KHz should be assessed versus the limits at 300 KHz in Table 1 of CFR 47 – Section1.310 as following (measured distance shall be 15cm from the center of the probe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

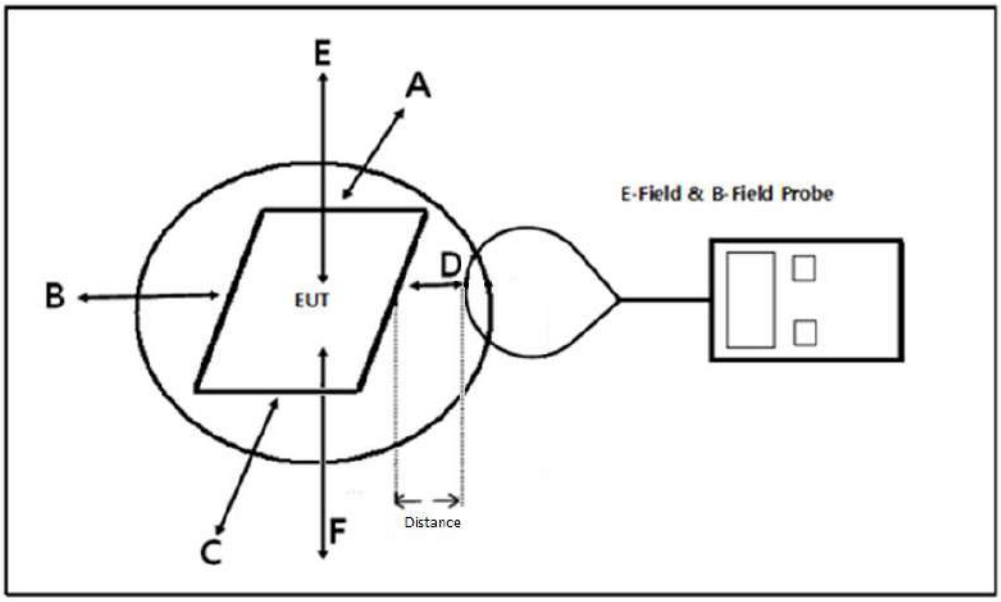
A KDB inquire was required to determine/confirm the applicable limits below 100 KHz.

4. Test Setup Diagram

Mobile RF exposure



Portable RF exposure



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	100cm²	M-1154	2022-10-29	2023-10-28

6. Support equipment List

Manufacturer	Description	Model	Serial Number	Certificate
SHENZHEN TIAN YIN ELECTRONICS CO., LTD	Power Adapter	TPA-46050200UU	--	FCC
HONOR	Phone	V30Pro	--	FCC

7. 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 (0cm to 20cm) 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.

8. 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 110.2 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 10W.
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.	Yes	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	The EUT can work in portable and mobile modes.
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.

9. E and H field Strength

Test Modes		
Mode 1	AC/DC Adapter (12V/1.5A+EUT+ Phone (Battery Status: <1%))	Record
Mode 2	AC/DC Adapter (12V/1.5A+EUT+ Phone (Battery Status: <50%))	Record
Mode 3	AC/DC Adapter (12V/1.5A+EUT+ Phone (Battery Status: <100%))	Record
Mode 4	AC/DC Adapter (9V/2A+EUT+ Phone (Battery Status: <1%))	Pre-tested
Mode 5	AC/DC Adapter (9V/2A+EUT+ Phone (Battery Status: <50%))	Pre-tested
Mode 6	AC/DC Adapter (9V/2A+EUT+ Phone (Battery Status: <100%))	Pre-tested
Mode 7	AC/DC Adapter (9V/2.2A+EUT+ Phone (Battery Status: <1%))	Pre-tested
Mode 8	AC/DC Adapter (9V/2.2A+EUT+ Phone (Battery Status: <50%))	Pre-tested
Mode 9	AC/DC Adapter (9V/2.2A+EUT+ Phone (Battery Status: <100%))	Pre-tested
Mode 10	AC/DC Adapter (5V/3A+EUT+ Phone (Battery Status: <1%))	Pre-tested
Mode 11	AC/DC Adapter (5V/3A+EUT+ Phone (Battery Status: <50%))	Pre-tested
Mode 12	AC/DC Adapter (5V/3A+EUT+ Phone (Battery Status: <100%))	Pre-tested
Mode 13	EUT + Mobile Phone (Wireless Output: 10W(Battery Status: <1%))	Record
Mode 14	EUT + Mobile Phone (Wireless Output: 10W(Battery Status: <50%))	Record
Mode 15	EUT + Mobile Phone (Wireless Output: 10W(Battery Status: <100%))	Record
Mode 16	EUT + Mobile Phone (Wireless Output: 7.5W(Battery Status: <1%))	Pre-tested
Mode 17	EUT + Mobile Phone (Wireless Output: 7.5W(Battery Status: <50%))	Pre-tested
Mode 18	EUT + Mobile Phone (Wireless Output: 7.5W(Battery Status: <100%))	Pre-tested
Mode 19	EUT + Mobile Phone (Wireless Output: 5W(Battery Status: <1%))	Pre-tested
Mode 20	EUT + Mobile Phone (Wireless Output: 5W(Battery Status: <50%))	Pre-tested
Mode 21	EUT + Mobile Phone (Wireless Output: 5W(Battery Status: <100%))	Pre-tested
Note: All test modes were pre-tested, but we only recorded the worst case in this report.		

H-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT

TM1~TM3

Charging Battery Level	Unit	Measured H-Field Strength Values (A/m)					FCC H-Field Strength50 % 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	0.138	0.14	0.131	0.147	0.138	--	--
1%	A/m	0.11	0.112	0.105	0.117	0.11	0.815	1.63
50%	uT	0.128	0.139	0.126	0.139	0.128	--	--
50%	A/m	0.102	0.111	0.101	0.111	0.102	0.815	1.63
99%	uT	0.108	0.112	0.102	0.115	0.108	--	--
99%	A/m	0.086	0.089	0.081	0.092	0.086	0.815	1.63

Note: 1A/m=1.25uT

H-Field Strength at 20cm from the top surface of the EUT

TM1~TM3

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 E		
1%	uT	0.147	--	--
1%	A/m	0.117	0.815	1.63
50%	uT	0.14	--	--
50%	A/m	0.112	0.815	1.63
99%	uT	0.115	--	--
99%	A/m	0.092	0.815	1.63

Note: 1A/m=1.25uT

For portable exposure (TM13~TM15)

H-Field Strength at all sides of the EUT

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

Charging Battery Level	Measured Distance (cm)	Unit	Measured H-Field Strength Values (A/m)						FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F	
1%	0	uT	0.344	0.342	0.528	0.349	0.474	0.434	--
1%	0	A/m	0.275	0.273	0.422	0.279	0.379	0.347	1.63
50%	0	uT	0.299	0.356	0.463	0.453	0.442	0.391	--
50%	0	A/m	0.239	0.285	0.370	0.362	0.353	0.313	1.63
99%	0	uT	0.399	0.373	0.418	0.489	0.396	0.357	--
99%	0	A/m	0.319	0.298	0.334	0.391	0.317	0.285	1.63
1%	2	uT	0.255	0.331	0.411	0.346	0.445	0.359	--

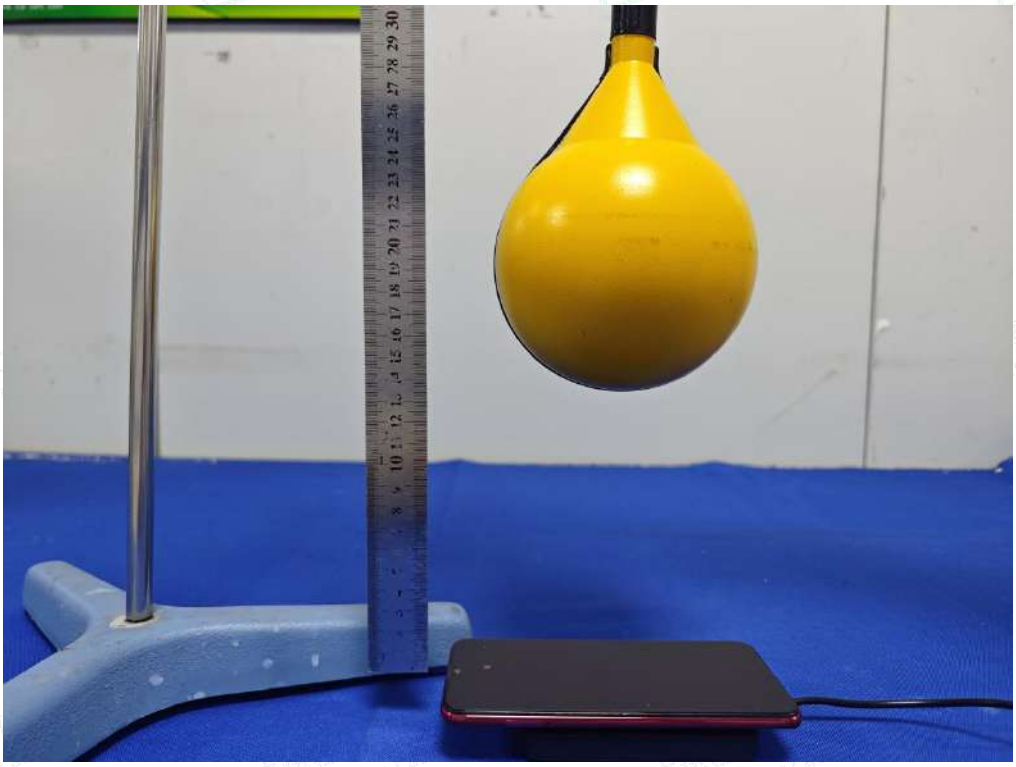
1%	2	A/m	0.204	0.265	0.329	0.277	0.356	0.287	1.63
50%	2	uT	0.301	0.268	0.410	0.343	0.375	0.372	--
50%	2	A/m	0.241	0.214	0.328	0.274	0.300	0.297	1.63
99%	2	uT	0.348	0.316	0.355	0.464	0.367	0.328	--
99%	2	A/m	0.278	0.253	0.284	0.371	0.293	0.262	1.63
1%	4	uT	0.231	0.242	0.396	0.324	0.350	0.330	--
1%	4	A/m	0.185	0.193	0.317	0.259	0.280	0.264	1.63
50%	4	uT	0.227	0.306	0.425	0.286	0.342	0.316	--
50%	4	A/m	0.181	0.245	0.340	0.229	0.273	0.253	1.63
99%	4	uT	0.338	0.264	0.310	0.362	0.350	0.228	--
99%	4	A/m	0.270	0.211	0.248	0.289	0.280	0.182	1.63
1%	6	uT	0.178	0.210	0.350	0.246	0.314	0.313	--
1%	6	A/m	0.142	0.168	0.280	0.197	0.251	0.250	1.63
50%	6	uT	0.189	0.203	0.368	0.269	0.233	0.294	--
50%	6	A/m	0.151	0.162	0.294	0.215	0.186	0.235	1.63
99%	6	uT	0.334	0.202	0.309	0.404	0.286	0.274	--
99%	6	A/m	0.267	0.161	0.247	0.323	0.229	0.219	1.63
1%	8	uT	0.163	0.302	0.300	0.275	0.276	0.241	--
1%	8	A/m	0.130	0.241	0.240	0.220	0.221	0.193	1.63
50%	8	uT	0.261	0.208	0.313	0.268	0.334	0.146	--
50%	8	A/m	0.209	0.166	0.250	0.214	0.267	0.117	1.63
99%	8	uT	0.245	0.146	0.195	0.209	0.230	0.185	--
99%	8	A/m	0.196	0.117	0.156	0.167	0.184	0.148	1.63
1%	10	uT	0.223	0.217	0.230	0.250	0.121	0.229	--
1%	10	A/m	0.178	0.173	0.184	0.200	0.097	0.183	1.63
50%	10	uT	0.268	0.291	0.203	0.188	0.251	0.267	--
50%	10	A/m	0.214	0.233	0.162	0.150	0.201	0.213	1.63
99%	10	uT	0.110	0.267	0.105	0.246	0.111	0.244	--
99%	10	A/m	0.088	0.213	0.084	0.197	0.089	0.195	1.63
1%	12	uT	0.161	0.243	0.215	0.172	0.218	0.057	--
1%	12	A/m	0.129	0.194	0.172	0.137	0.174	0.045	1.63
50%	12	uT	0.196	0.241	0.315	0.241	0.228	0.140	--
50%	12	A/m	0.157	0.193	0.252	0.193	0.182	0.112	1.63
99%	12	uT	0.194	0.240	0.250	0.277	0.131	0.199	--
99%	12	A/m	0.155	0.192	0.200	0.221	0.105	0.159	1.63
1%	14	uT	0.115	0.052	0.171	0.124	0.149	0.157	--
1%	14	A/m	0.092	0.041	0.137	0.099	0.119	0.125	1.63
50%	14	uT	0.145	0.169	0.194	0.175	0.242	0.092	--
50%	14	A/m	0.116	0.135	0.155	0.140	0.193	0.073	1.63
99%	14	uT	0.245	0.082	0.063	0.128	0.229	0.153	--
99%	14	A/m	0.196	0.065	0.050	0.102	0.183	0.122	1.63
1%	16	uT	0.192	0.058	0.036	0.173	0.084	0.075	--

1%	16	A/m	0.153	0.046	0.029	0.138	0.067	0.060	1.63
50%	16	uT	0.078	0.030	0.082	0.002	0.014	0.081	--
50%	16	A/m	0.062	0.024	0.065	0.001	0.011	0.065	1.63
99%	16	uT	0.113	0.111	0.130	0.135	0.163	0.004	--
99%	16	A/m	0.090	0.089	0.104	0.108	0.130	0.003	1.63
1%	18	uT	0.141	0.055	0.030	0.061	0.046	0.149	--
1%	18	A/m	0.113	0.044	0.024	0.049	0.037	0.119	1.63
50%	18	uT	0.080	0.071	0.031	0.024	0.048	0.019	--
50%	18	A/m	0.064	0.057	0.025	0.019	0.038	0.015	1.63
99%	18	uT	0.063	0.015	0.089	0.126	0.032	0.075	--
99%	18	A/m	0.050	0.012	0.071	0.101	0.025	0.060	1.63
1%	20	uT	0.024	0.058	0.018	0.029	0.000	0.008	--
1%	20	A/m	0.019	0.046	0.014	0.023	0.000	0.006	1.63
50%	20	uT	0.141	0.005	0.062	0.101	0.005	0.001	--
50%	20	A/m	0.113	0.004	0.049	0.081	0.004	0.001	1.63
99%	20	uT	0.015	0.002	0.056	0.043	0.065	0.028	--
99%	20	A/m	0.012	0.001	0.045	0.034	0.052	0.022	1.63

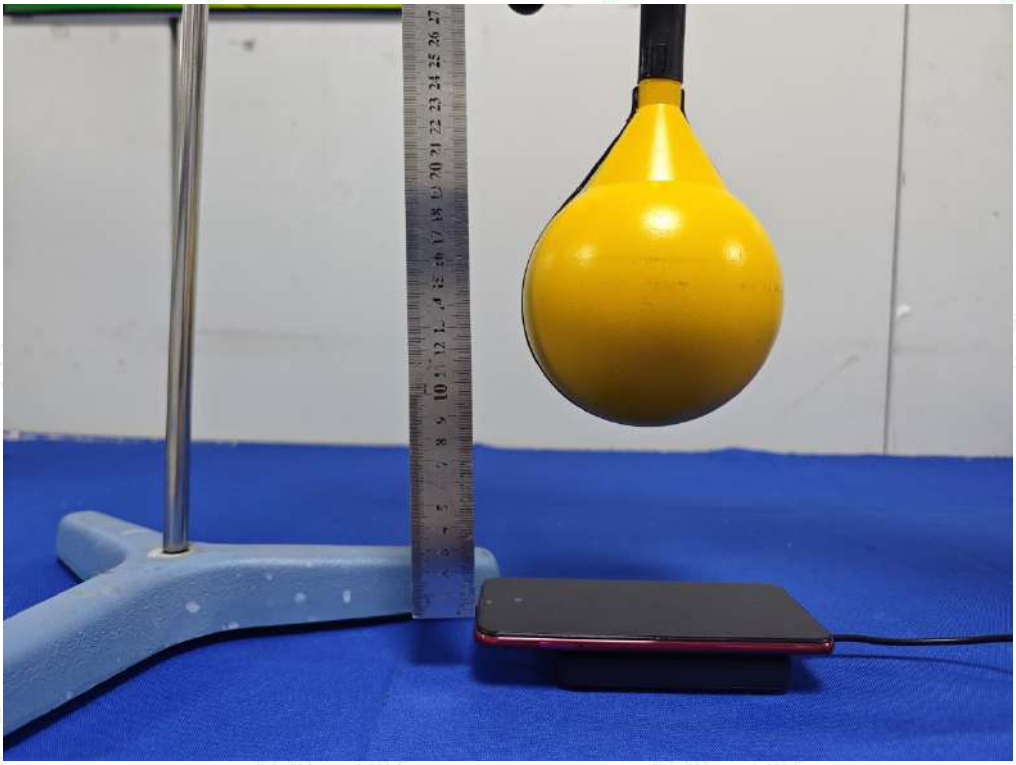
10. Test Setup Photos of Mobile RF exposure

(TM1~TM3)

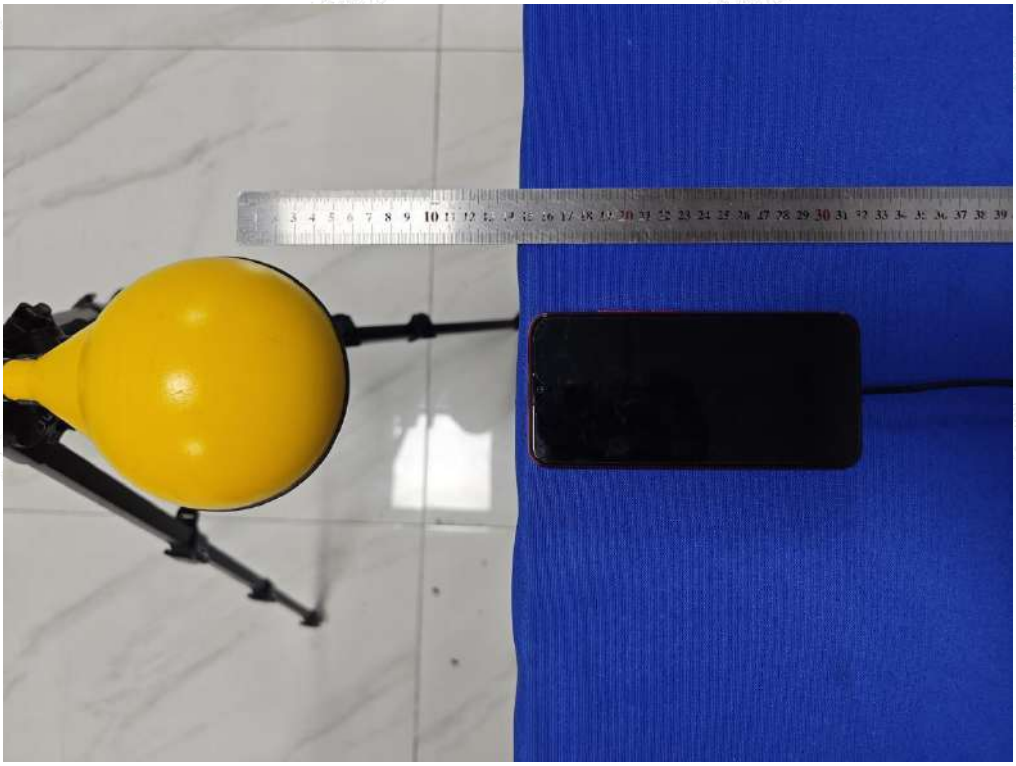
H-Field Strength:



Test Position A (20cm) - Exposure photo from top surface (TM1)

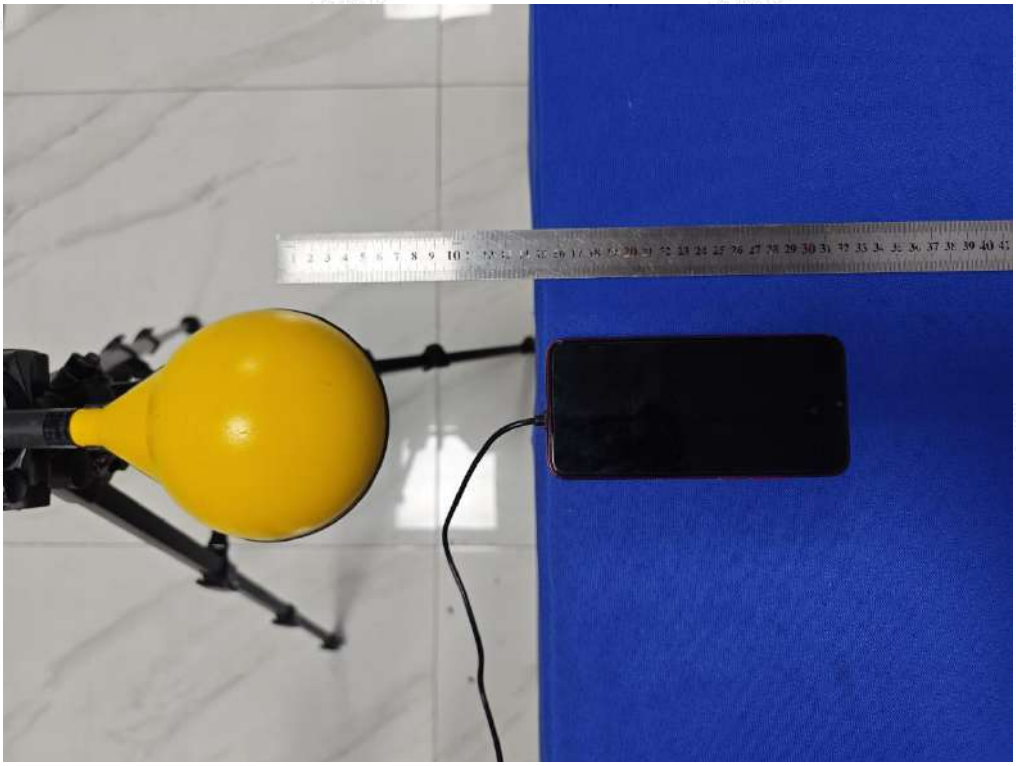


Test Position A (15cm) - Exposure photo from top surface (TM1)

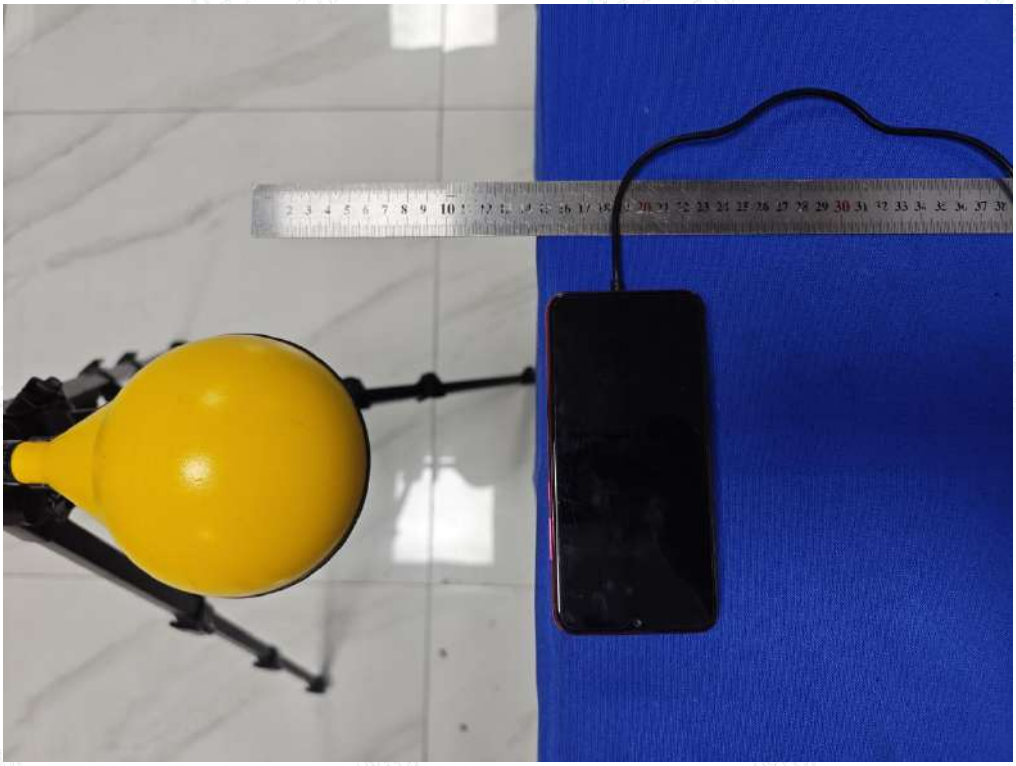


Test Position B(15cm) - Exposure photo from side edge surface-Rear(TM1)

Test Position C(15cm) - Exposure photo from side edge surface-Left(TM1)



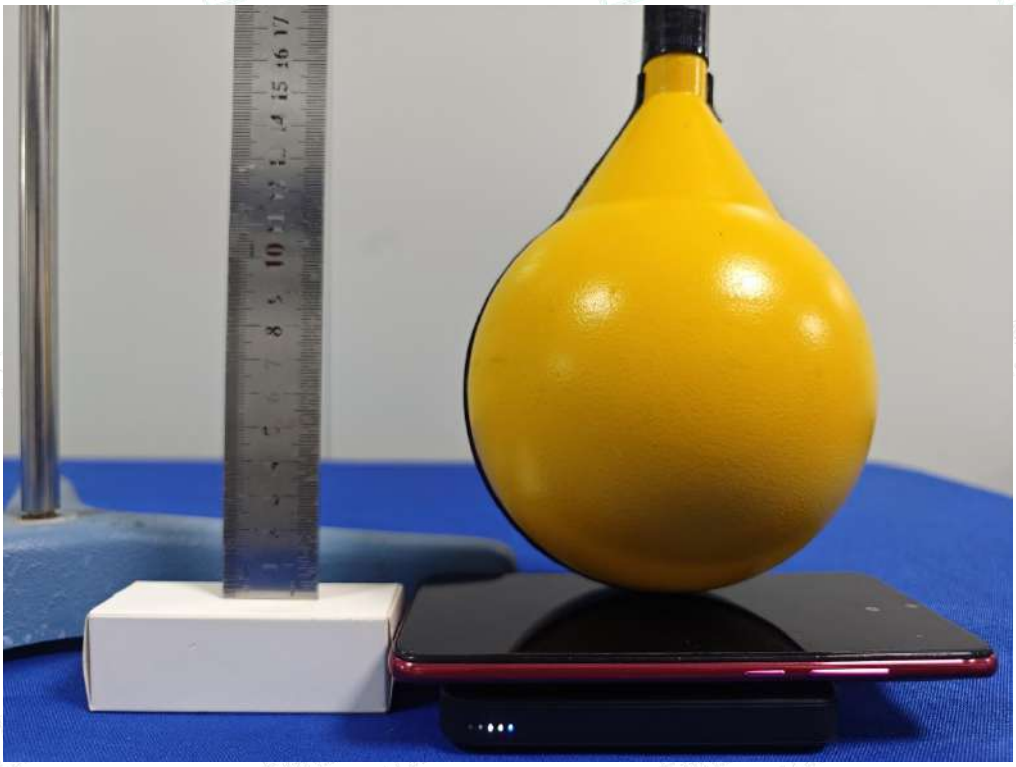
Test Position D(15cm) - Exposure photo from side edge surface-Front(TM1)



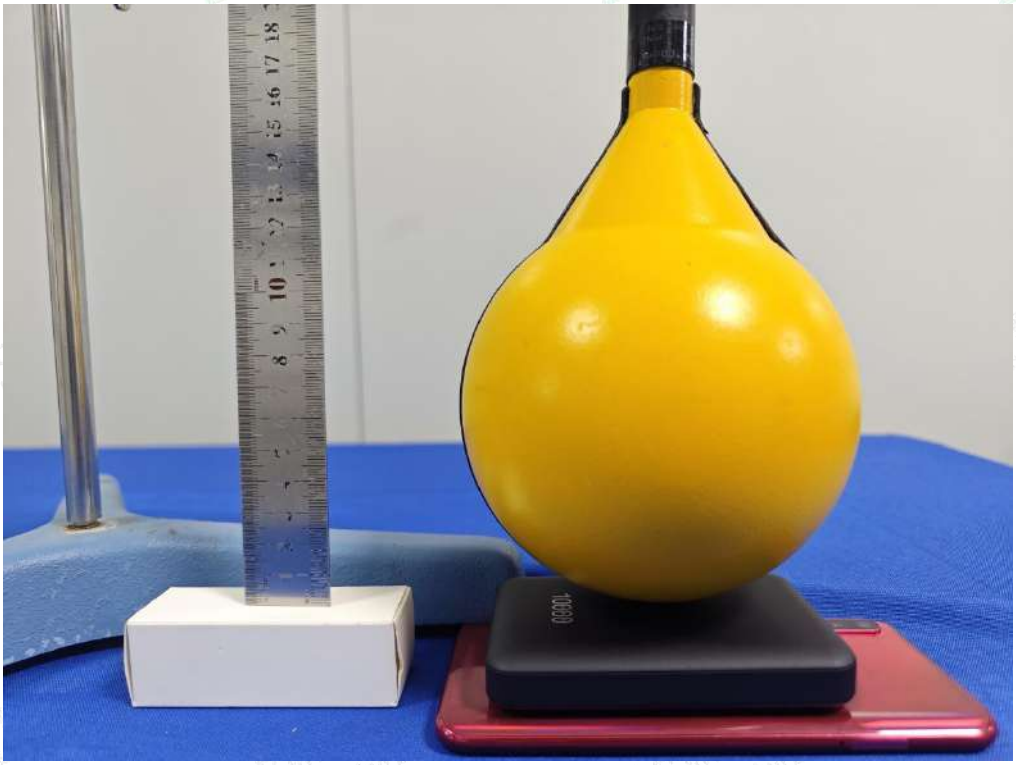
Test Position E(15cm) - Exposure photo from side edge surface-Right(TM1)

(TM13~TM15)

H-Field Strength:



Test Position A (0cm) - Exposure photo from top surface (TM1)



Test Position B(0cm) - Exposure photo from side edge surface-Rear(TM1)

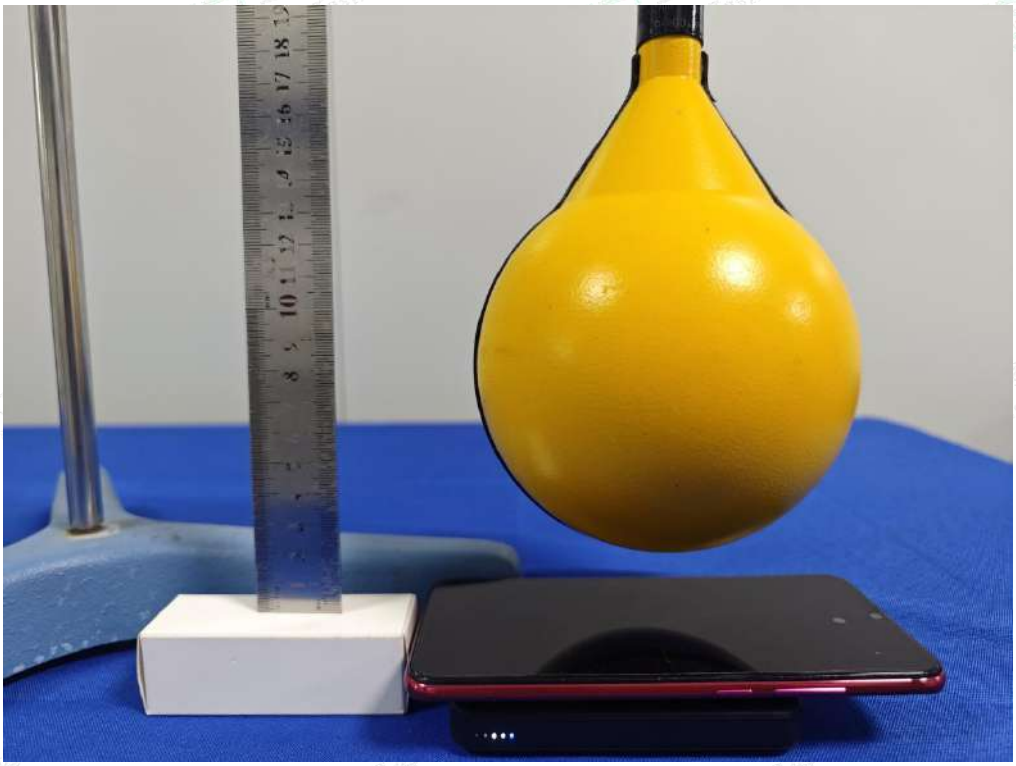
Test Position C(0cm) - Exposure photo from side edge surface-Left(TM1)

Test Position D(0cm) - Exposure photo from side edge surface-Front(TM1)

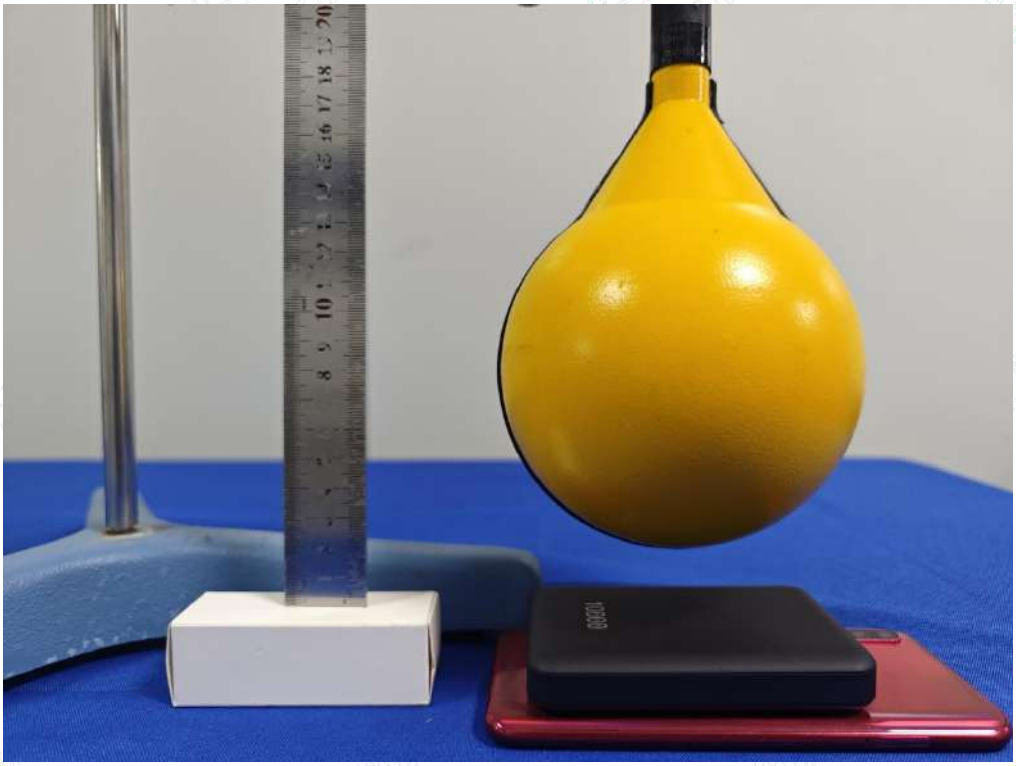
Test Position E(0cm) - Exposure photo from side edge surface-Right(TM1)

Test Position F(0cm) - Exposure photo from bottom surface(TM1)

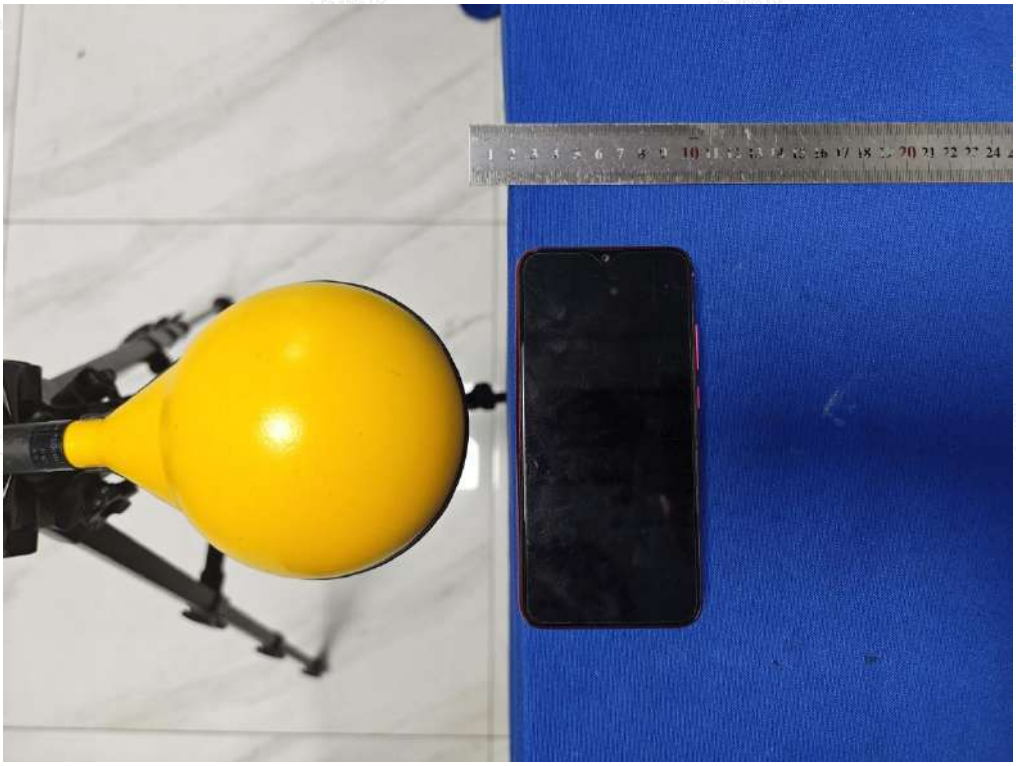
H-Field Strength:



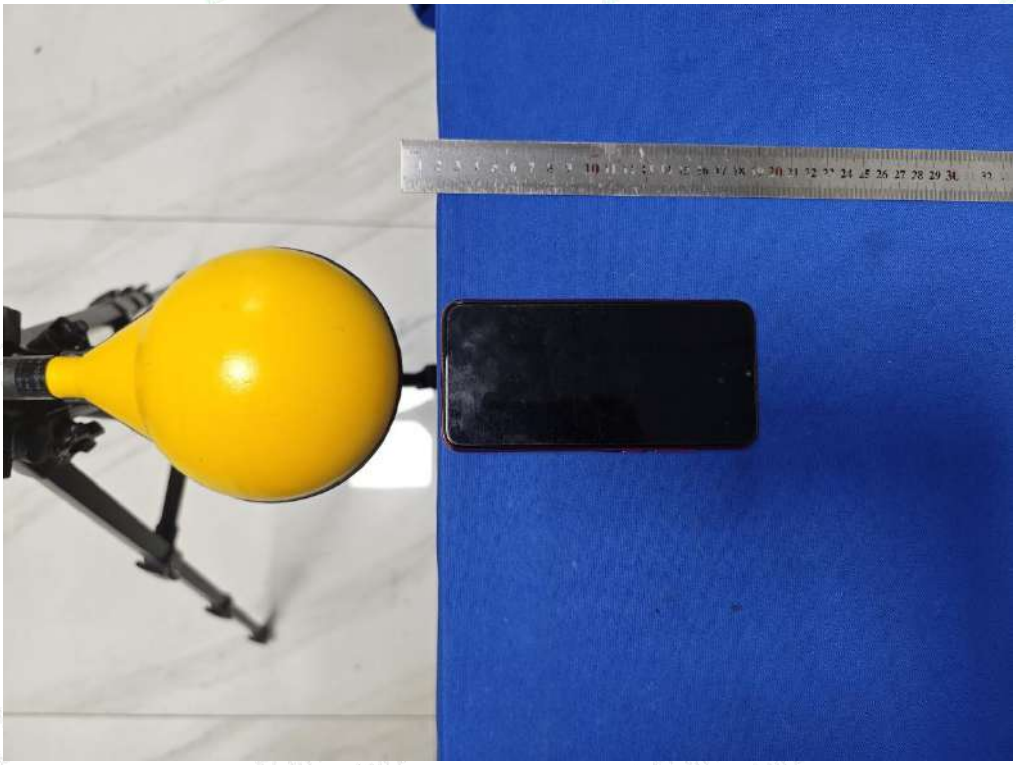
Test Position A (2cm) - Exposure photo from top surface (TM1)



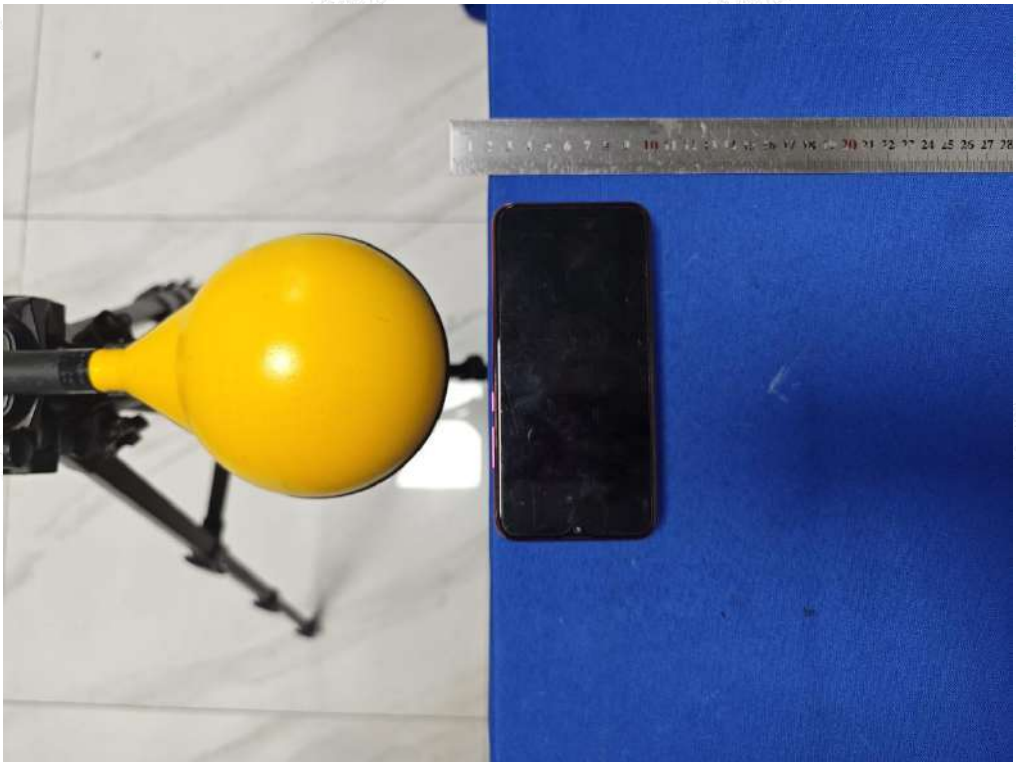
Test Position B(2cm) - Exposure photo from side edge surface-Rear(TM1)



Test Position C(2cm) - Exposure photo from side edge surface-Left(TM1)



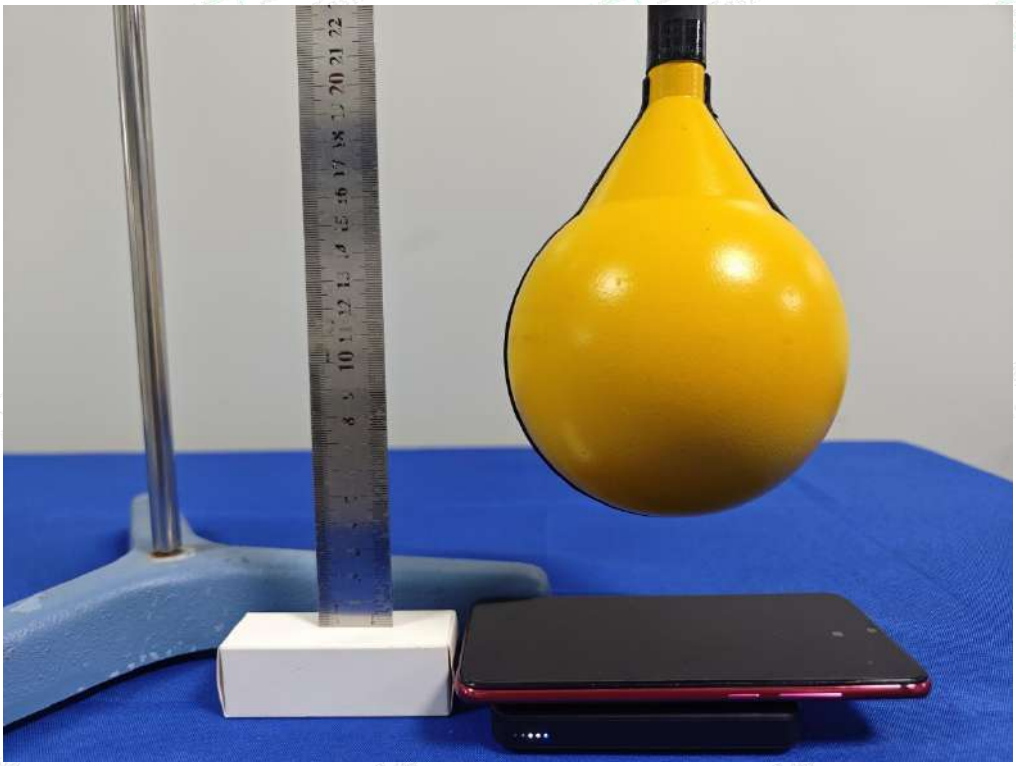
Test Position D(2cm) - Exposure photo from side edge surface-Front(TM1)



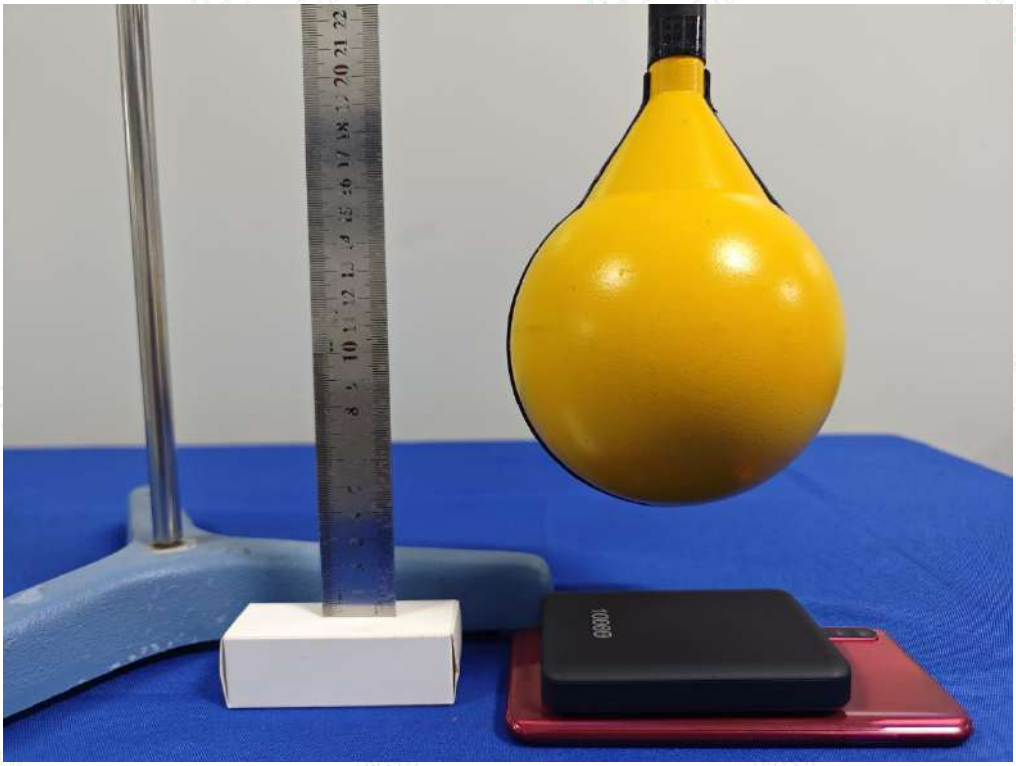
Test Position E(2cm) - Exposure photo from side edge surface-Right(TM1)

Test Position F(2cm) - Exposure photo from bottom surface(TM1)

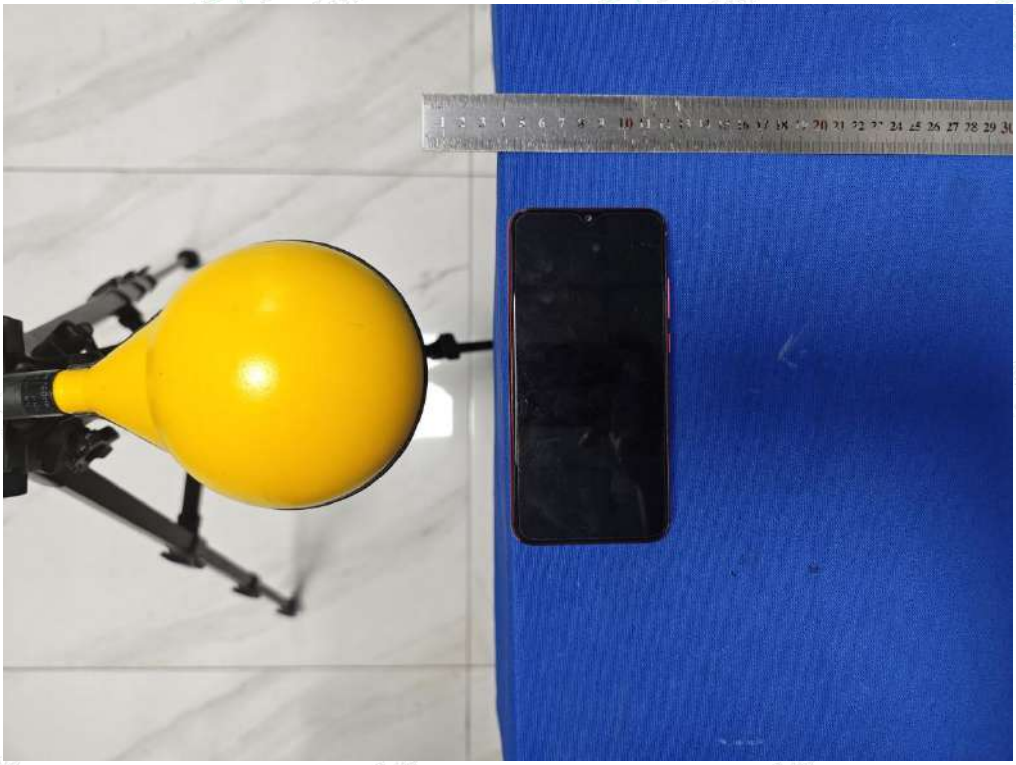
H-Field Strength:



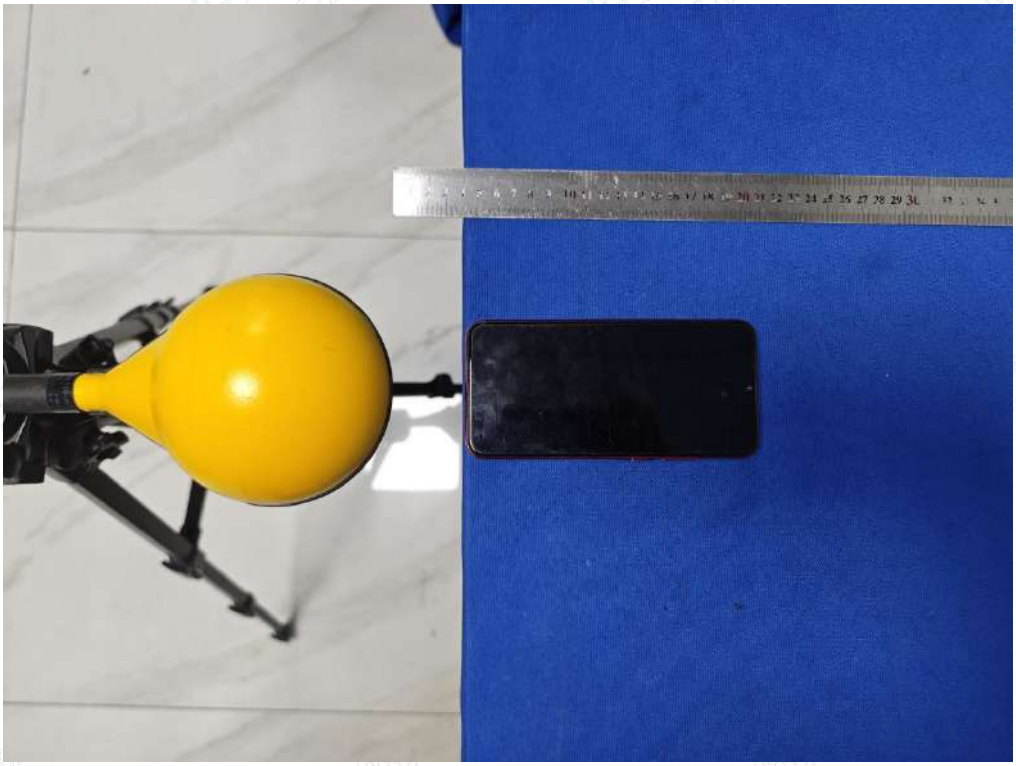
Test Position A (4cm) - Exposure photo from top surface (TM1)



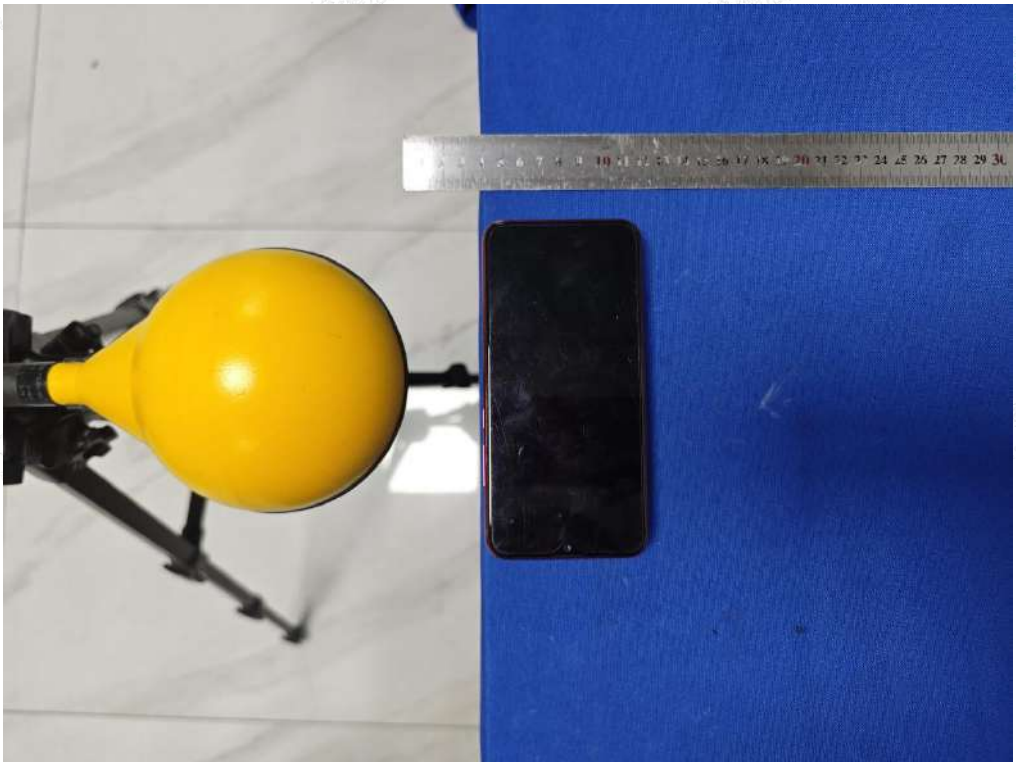
Test Position B(4cm) - Exposure photo from side edge surface-Rear(TM1)



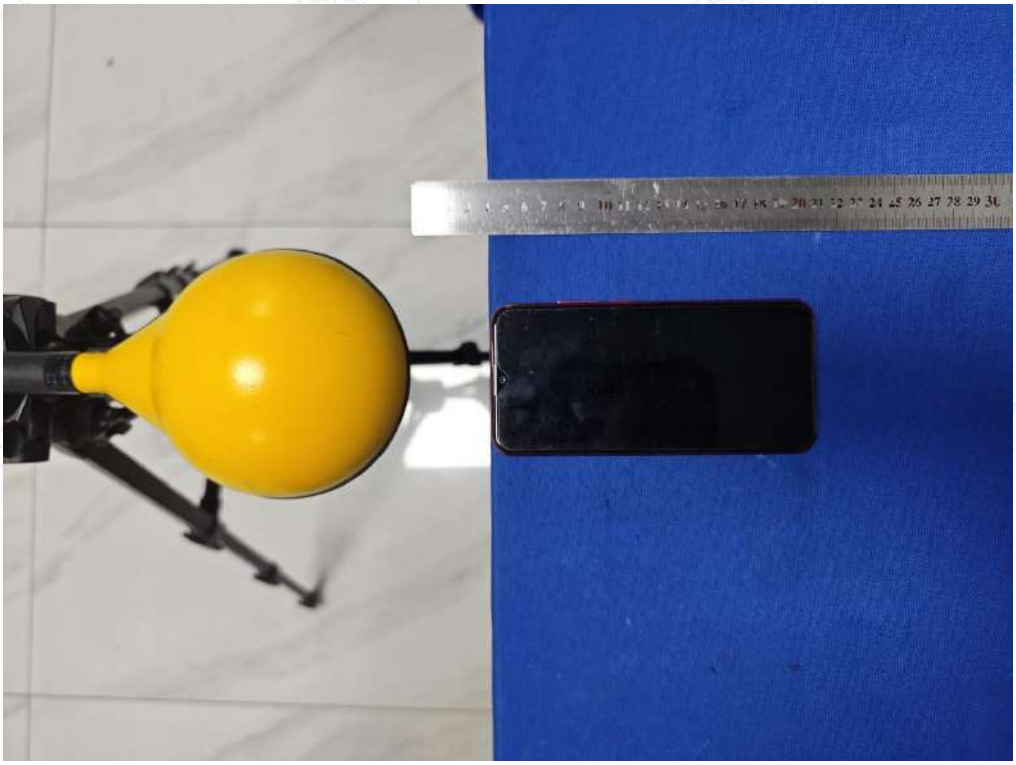
Test Position C(4cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(4cm) - Exposure photo from side edge surface-Front(TM1)

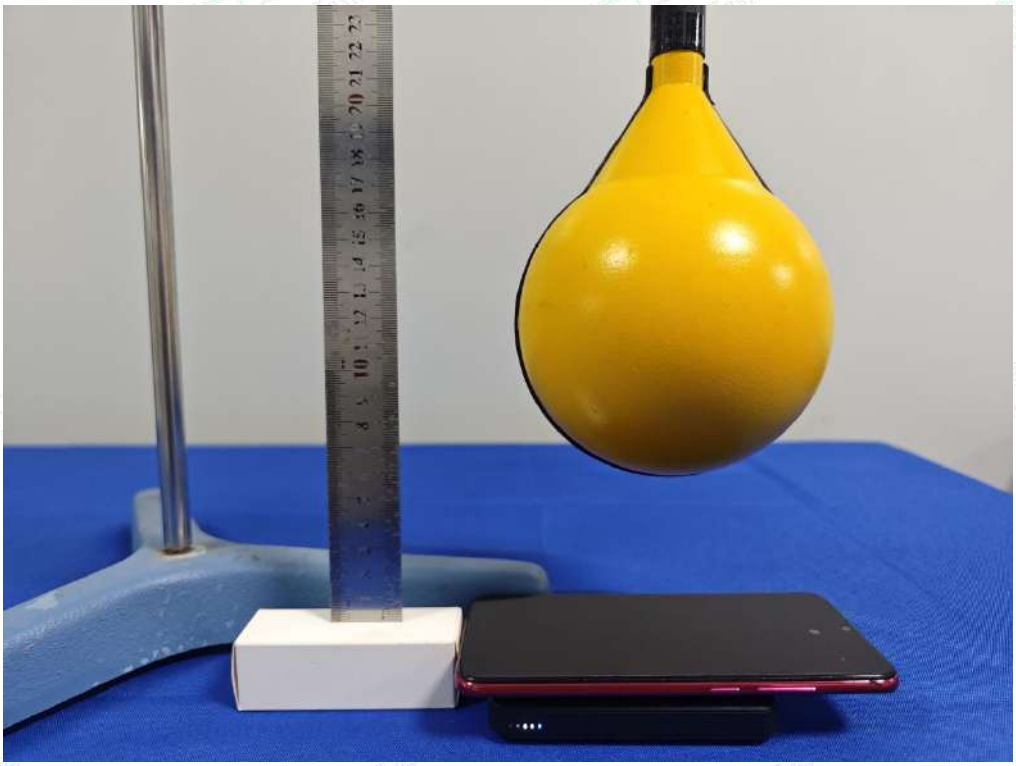


Test Position E(4cm) - Exposure photo from side edge surface-Right(TM1)

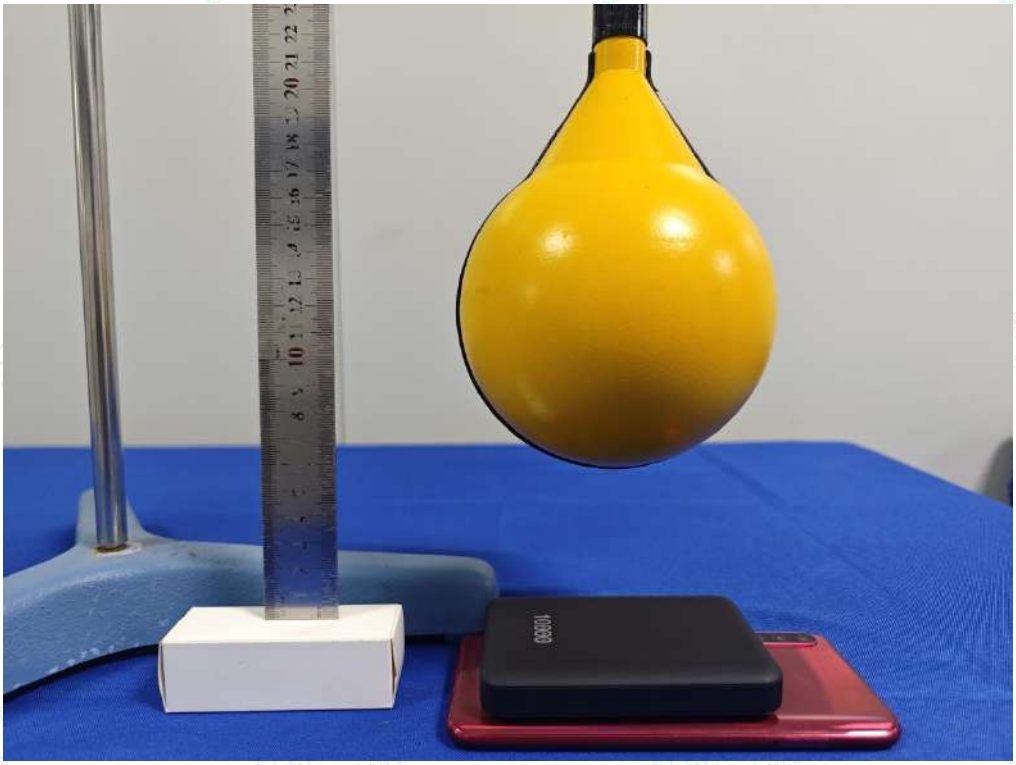


Test Position F(4cm) - Exposure photo from bottom surface(TM1)

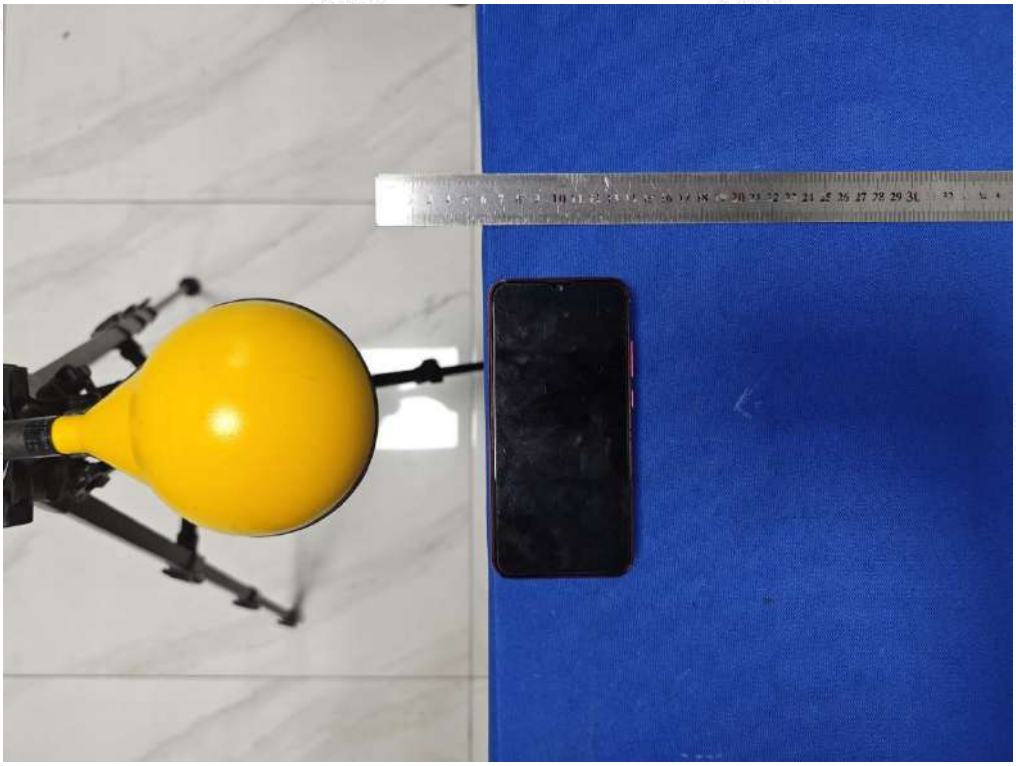
H-Field Strength:



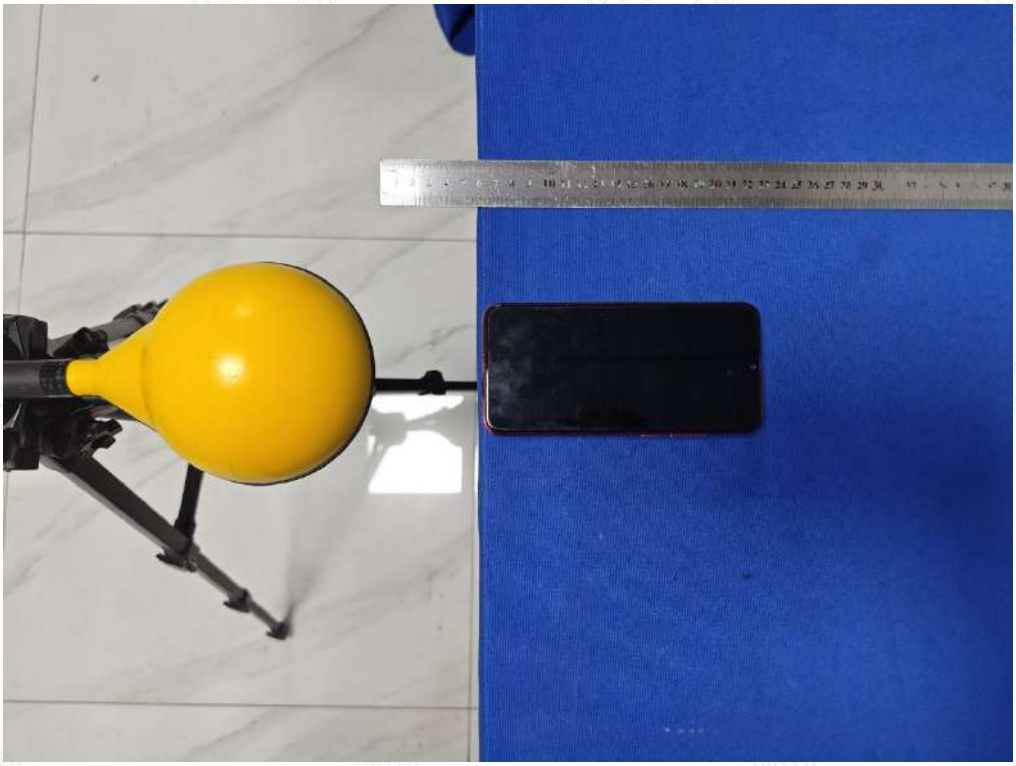
Test Position A (6cm) - Exposure photo from top surface (TM1)



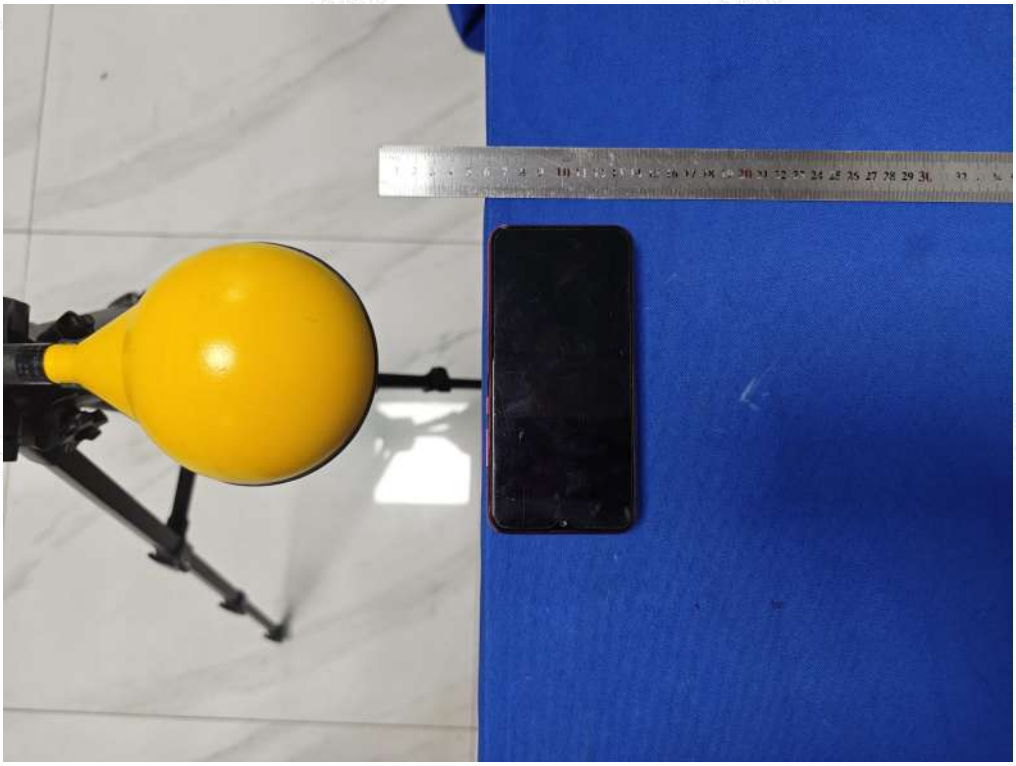
Test Position B(6cm) - Exposure photo from side edge surface-Rear(TM1)



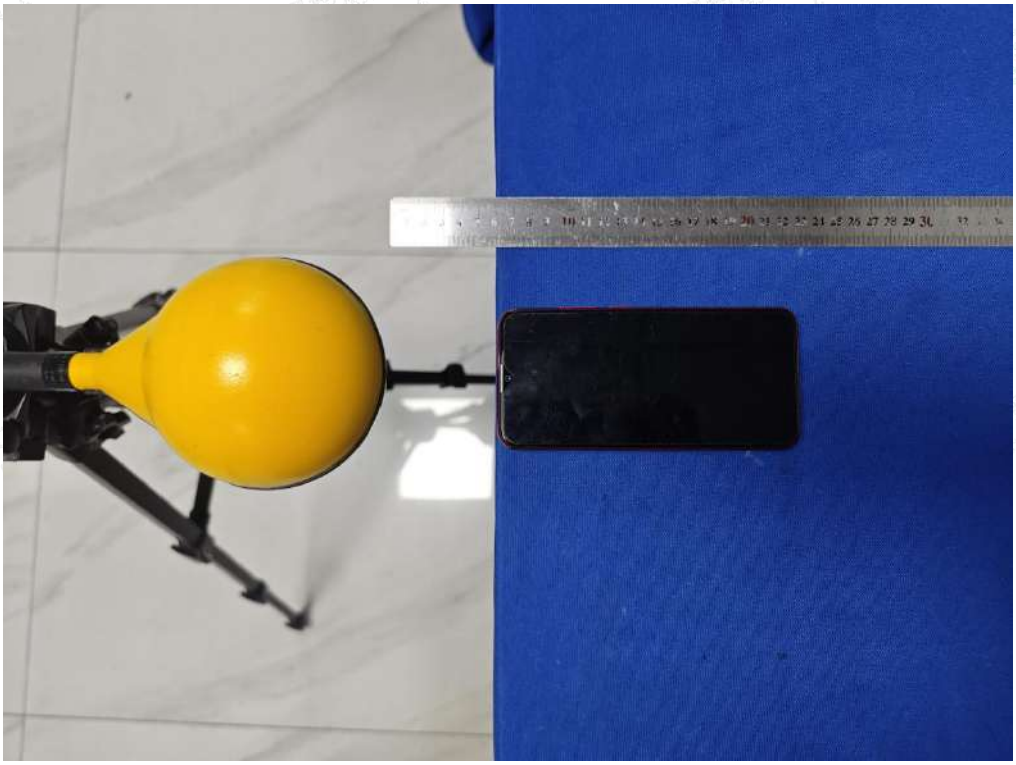
Test Position C(6cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(6cm) - Exposure photo from side edge surface-Front(TM1)

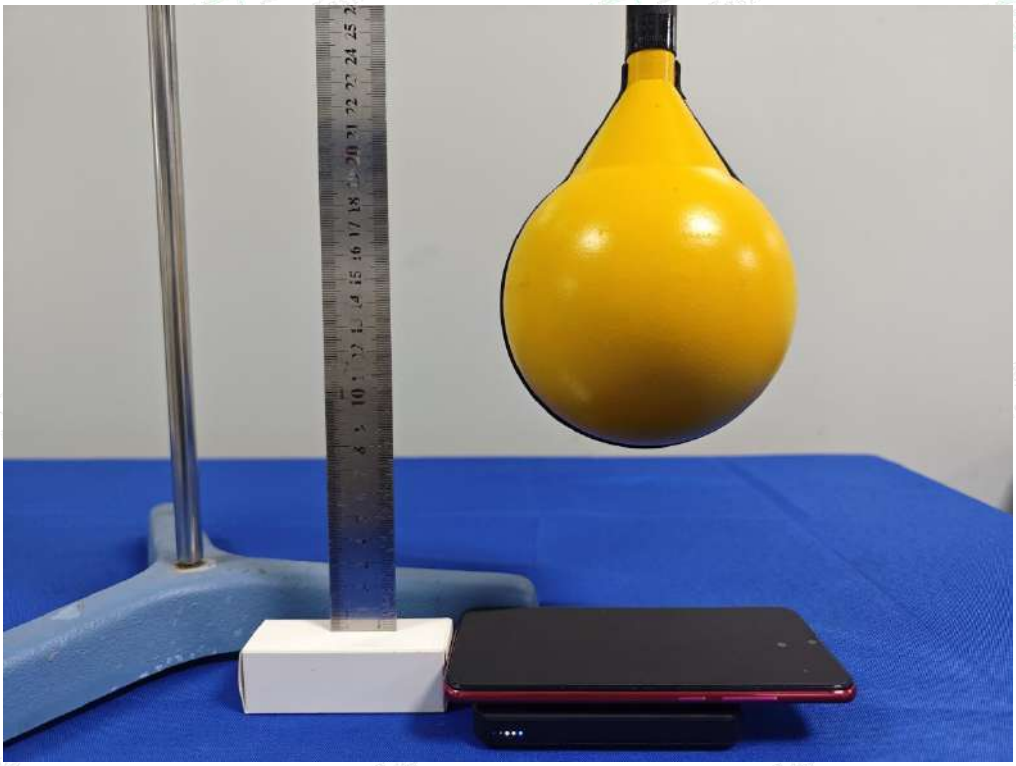


Test Position E(6cm) - Exposure photo from side edge surface-Right(TM1)



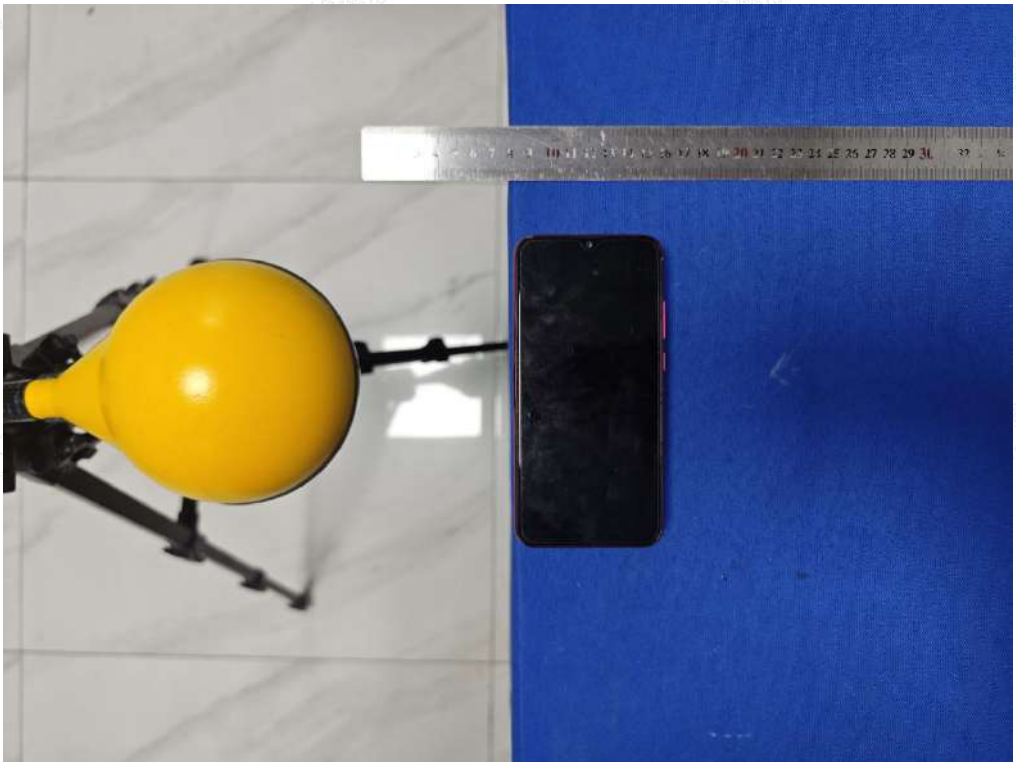
Test Position F(6cm) - Exposure photo from bottom surface(TM1)

H-Field Strength:

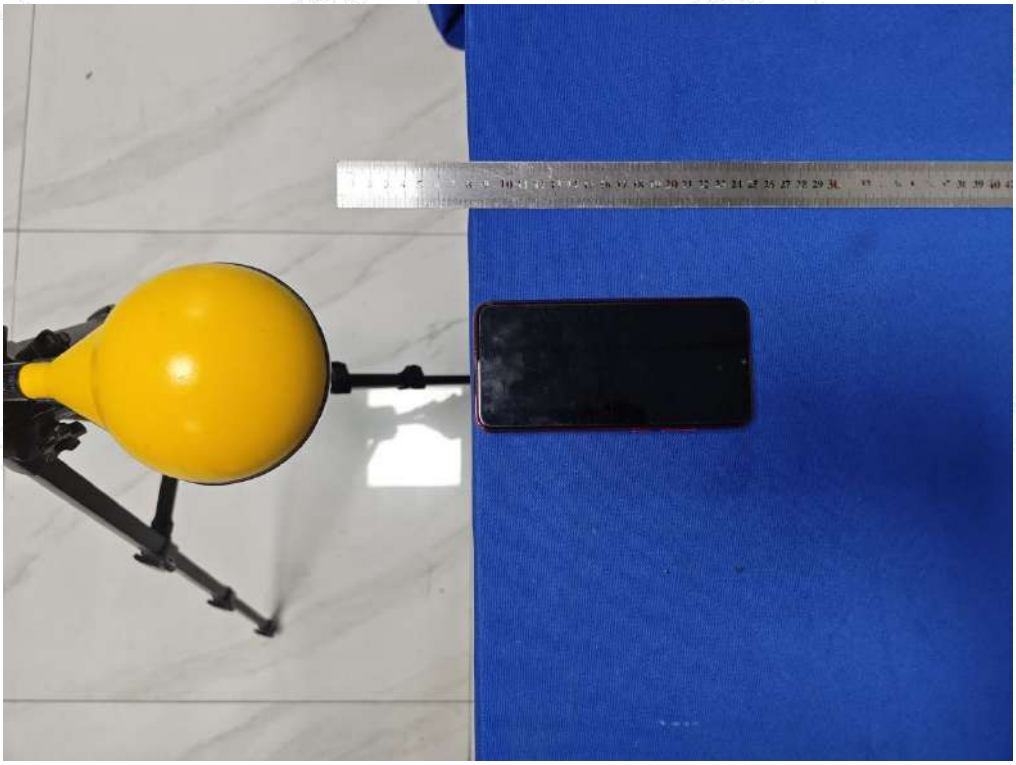


Test Position A (8cm) - Exposure photo from top surface (TM1)

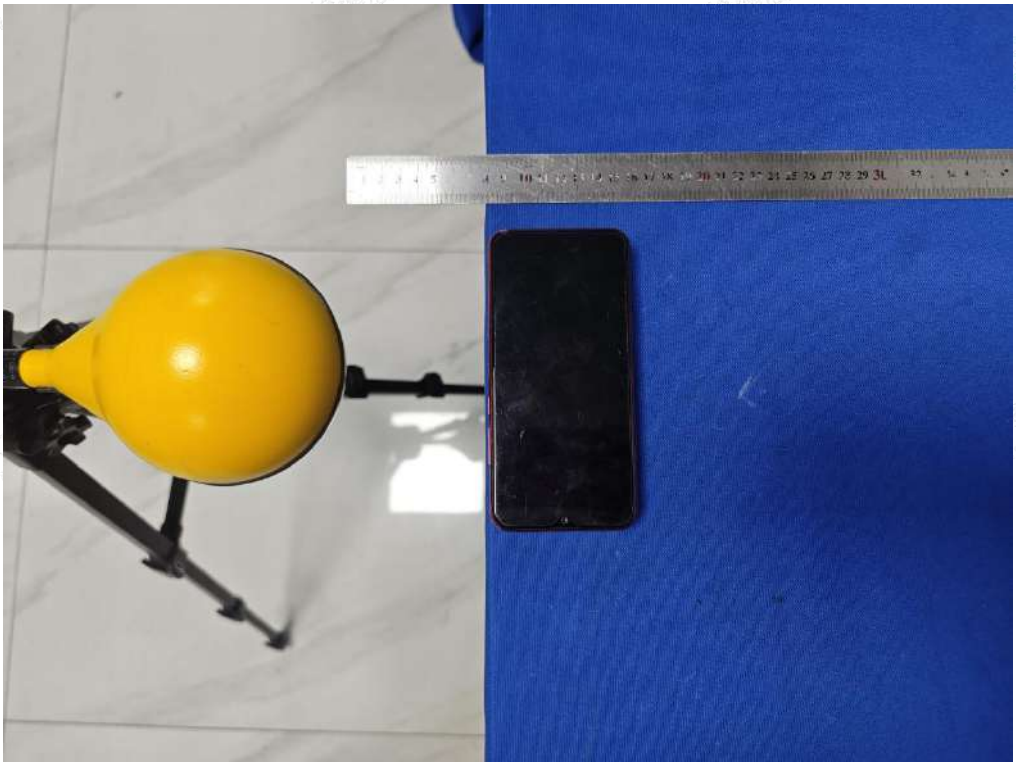
Test Position B(8cm) - Exposure photo from side edge surface-Rear(TM1)



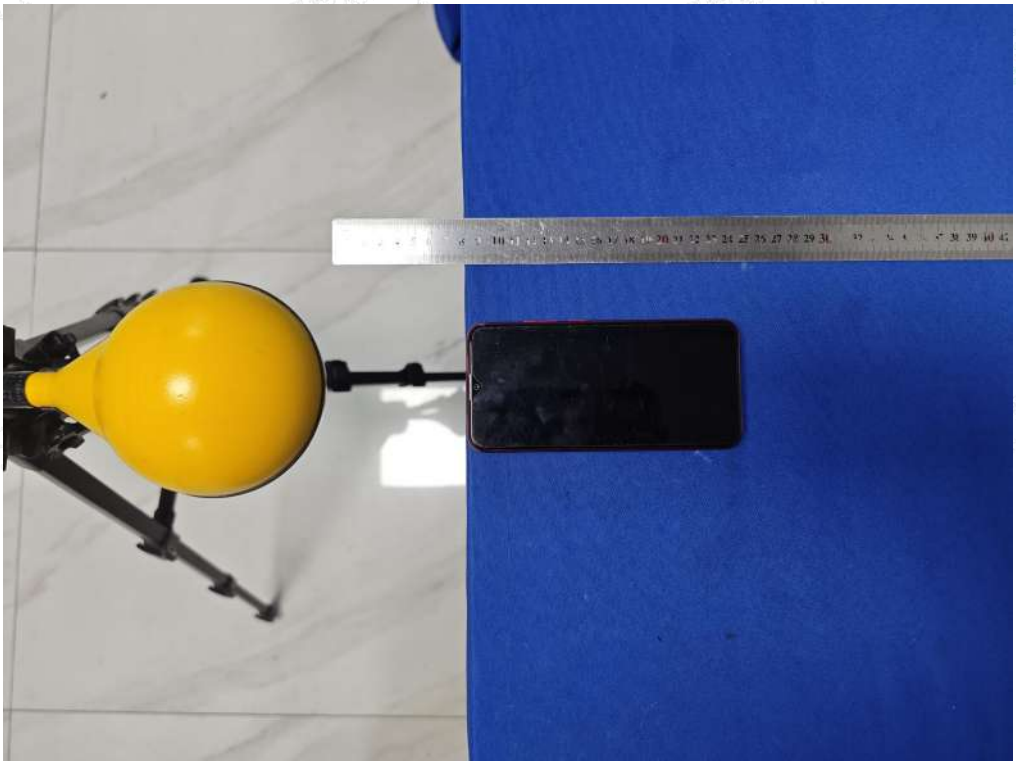
Test Position C(8cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(8cm) - Exposure photo from side edge surface-Front(TM1)

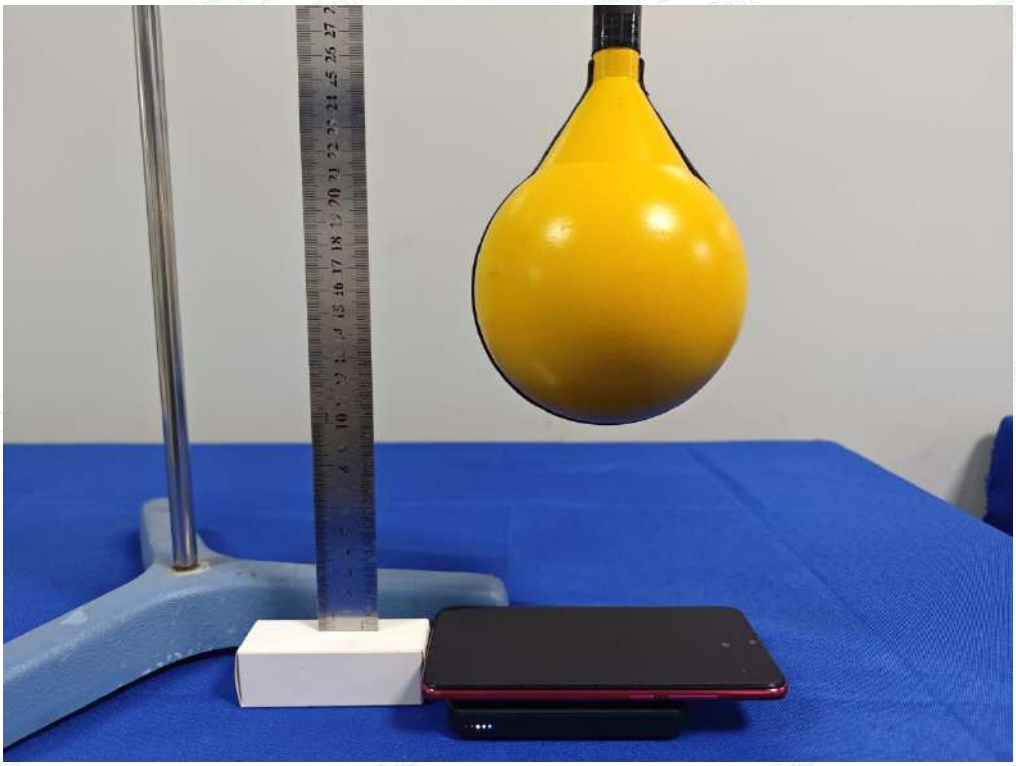


Test Position E(8cm) - Exposure photo from side edge surface-Right(TM1)

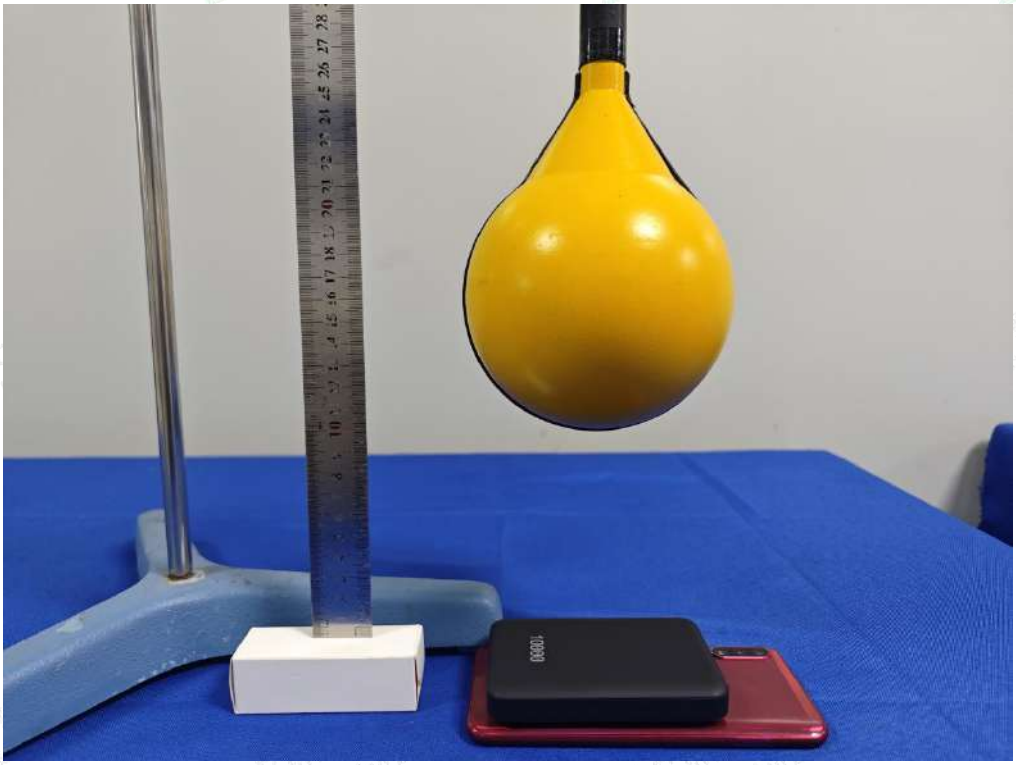


Test Position F(8cm) - Exposure photo from bottom surface(TM1)

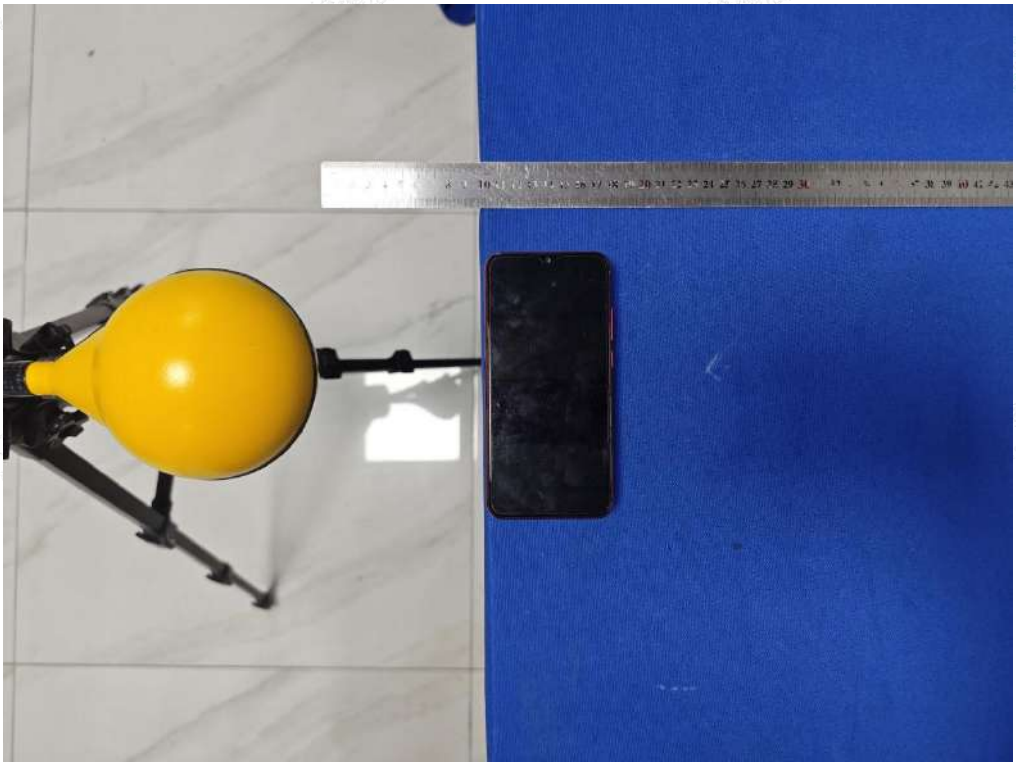
H-Field Strength:



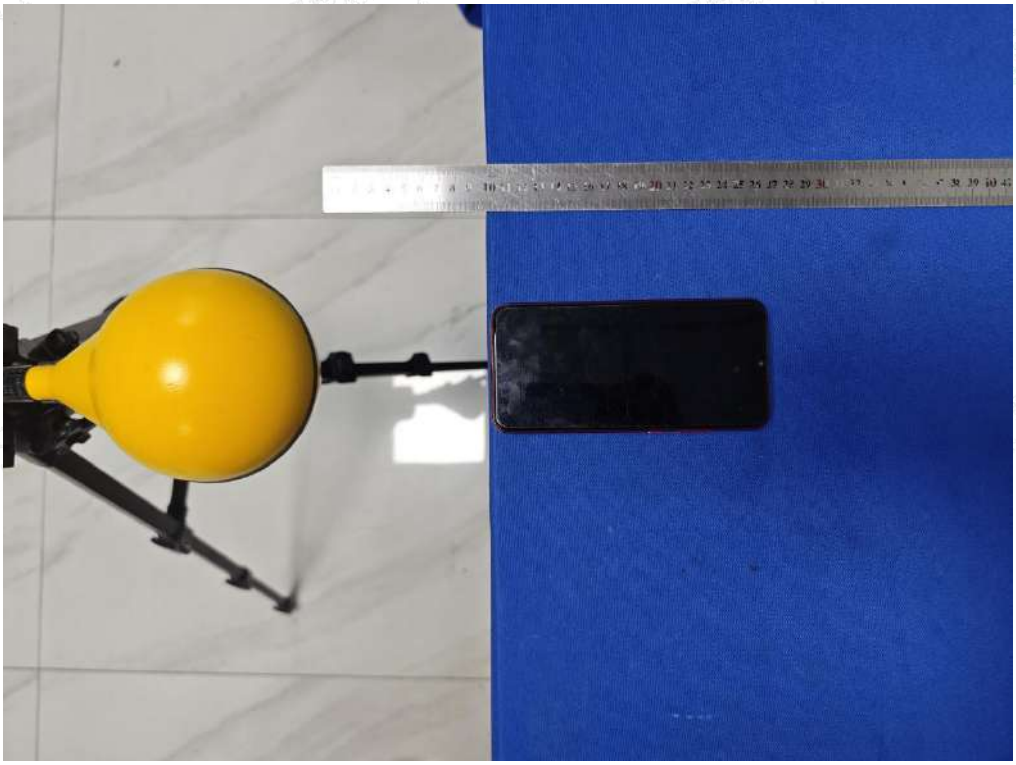
Test Position A (10cm) - Exposure photo from top surface (TM1)



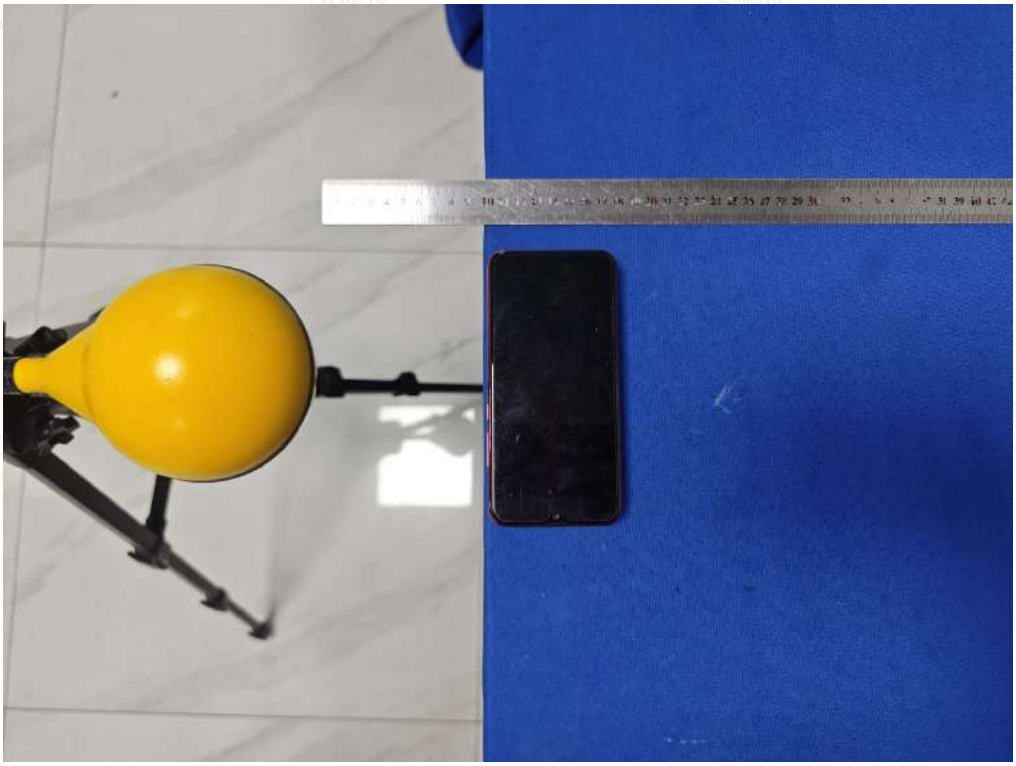
Test Position B(10cm) - Exposure photo from side edge surface-Rear(TM1)



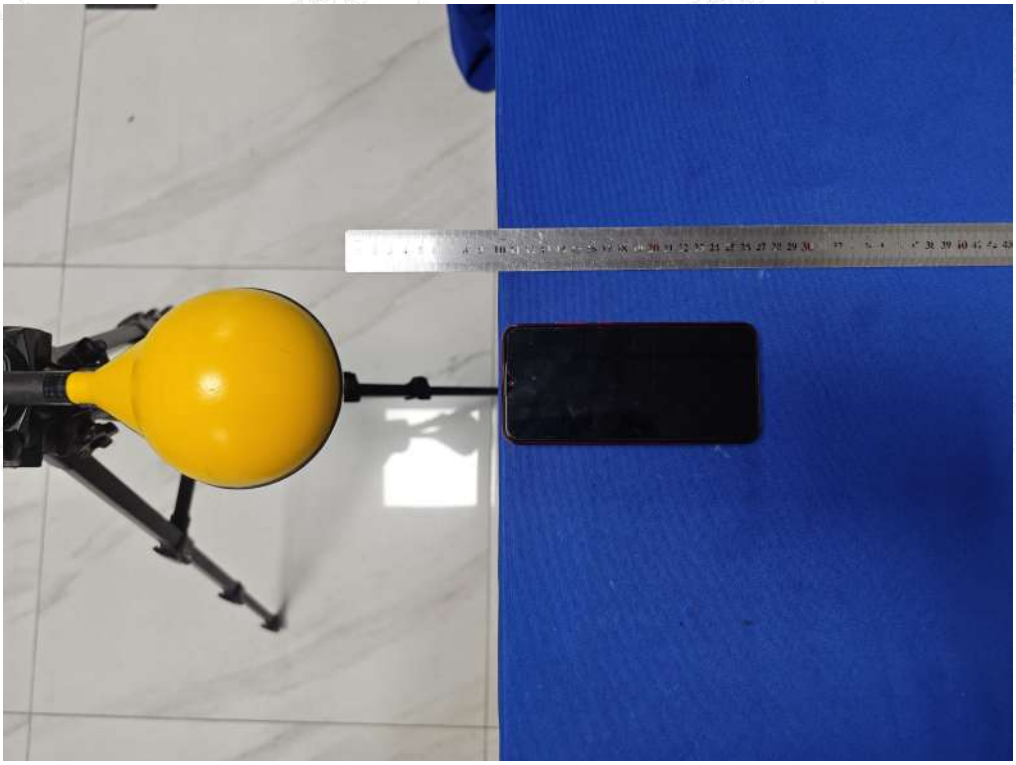
Test Position C(10cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(10cm) - Exposure photo from side edge surface-Front(TM1)

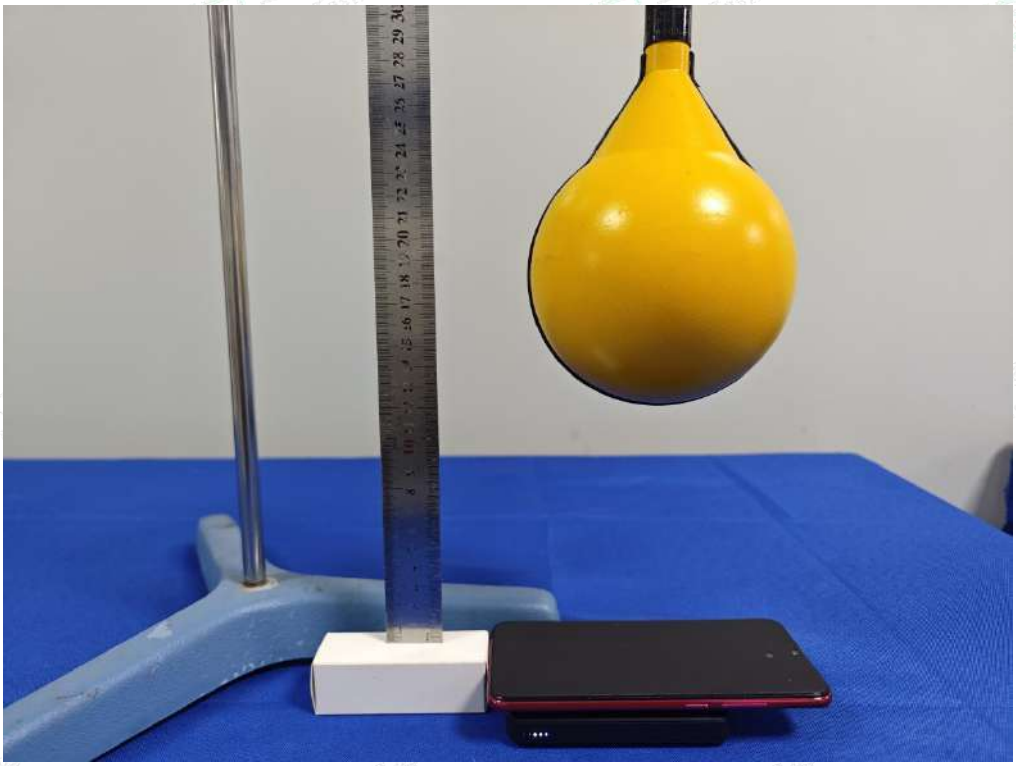


Test Position E(10cm) - Exposure photo from side edge surface-Right(TM1)

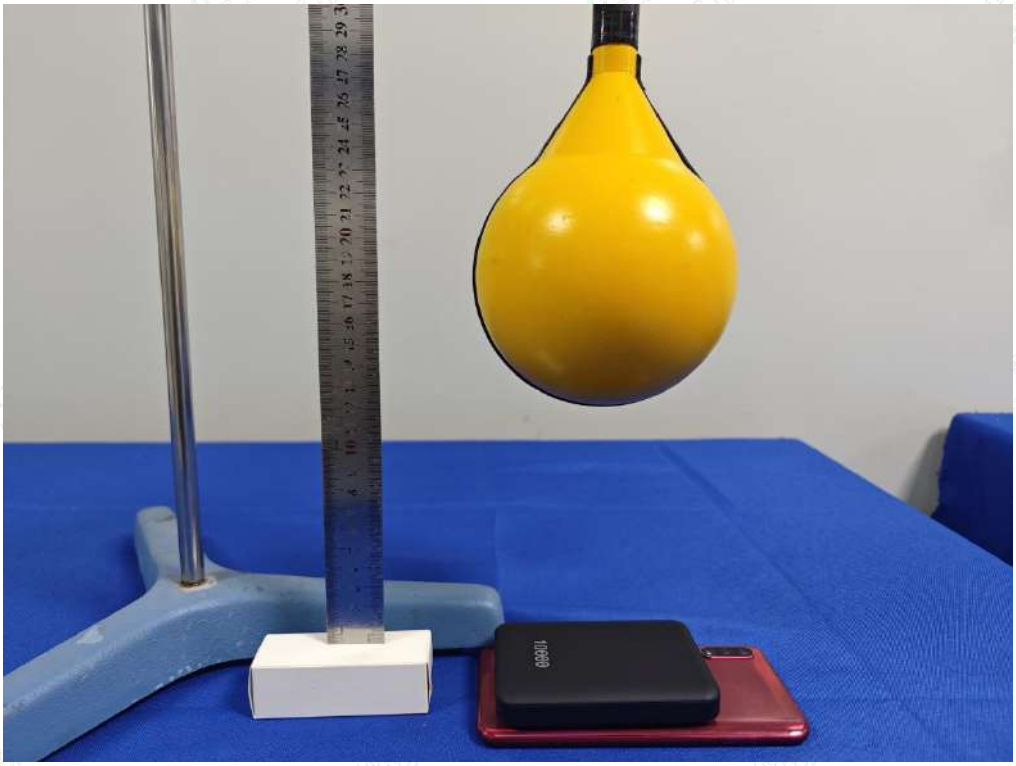


Test Position F(10cm) - Exposure photo from bottom surface(TM1)

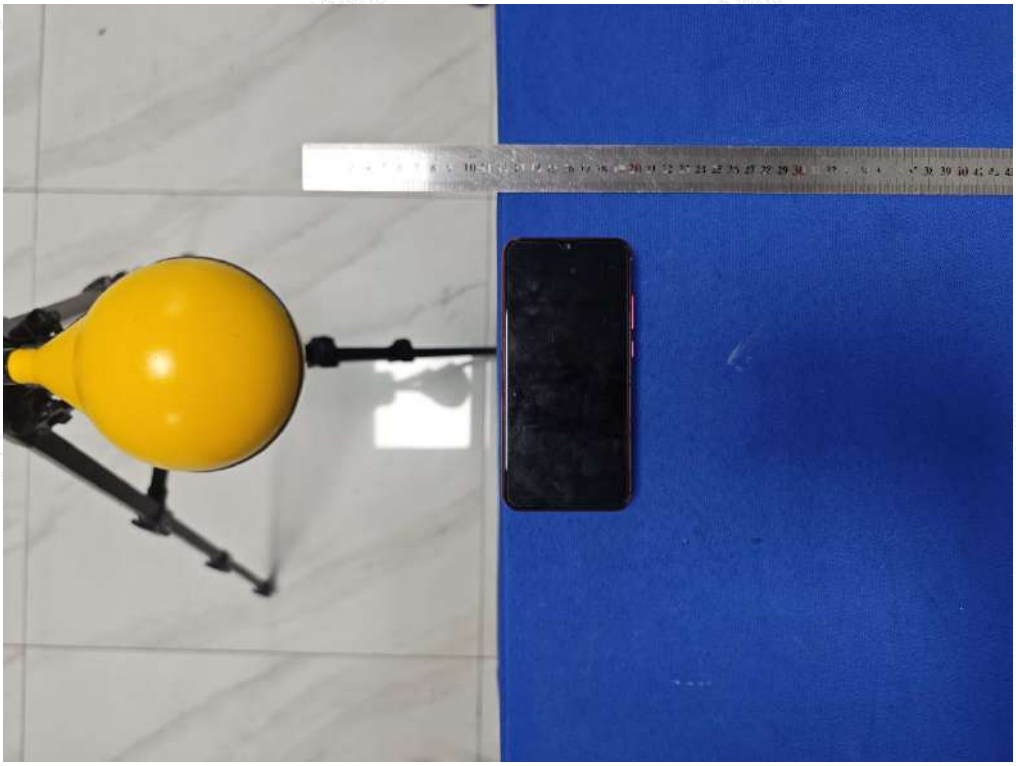
H-Field Strength:



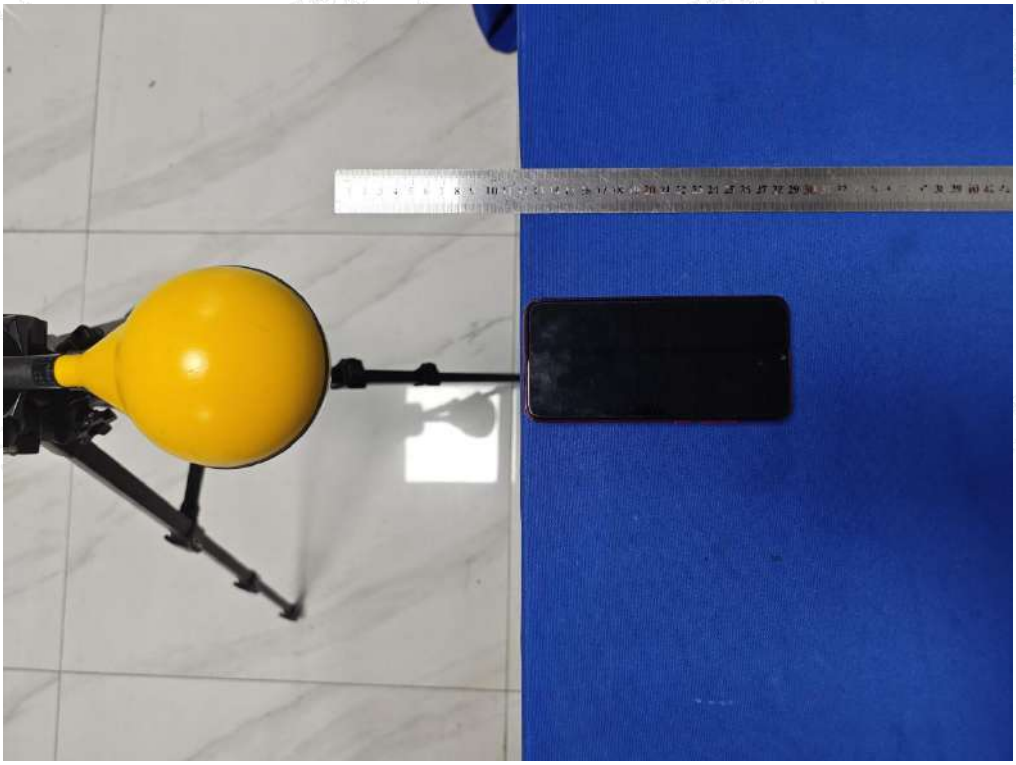
Test Position A (12cm) - Exposure photo from top surface (TM1)



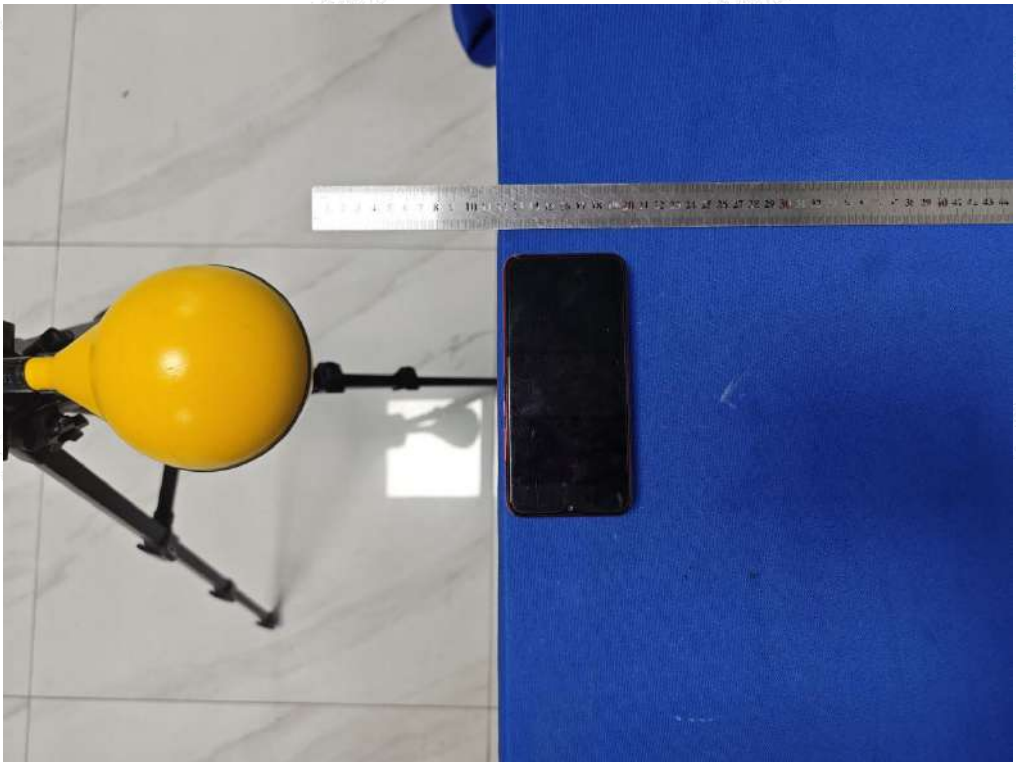
Test Position B(12cm) - Exposure photo from side edge surface-Rear(TM1)



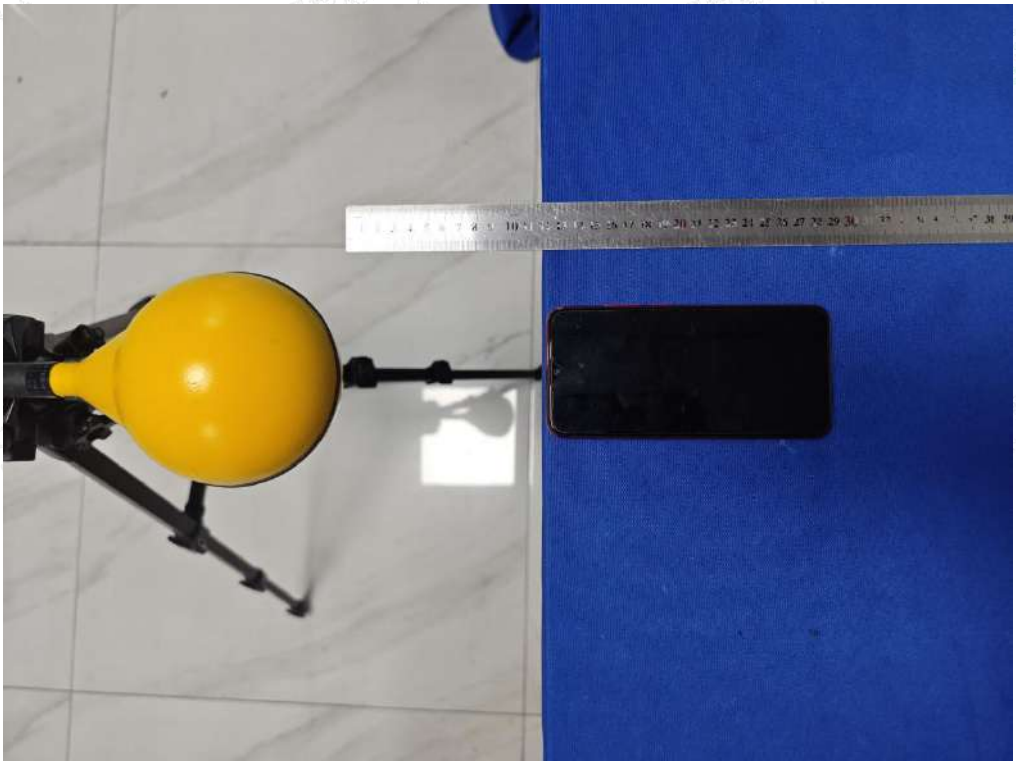
Test Position C(12cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(12cm) - Exposure photo from side edge surface-Front(TM1)

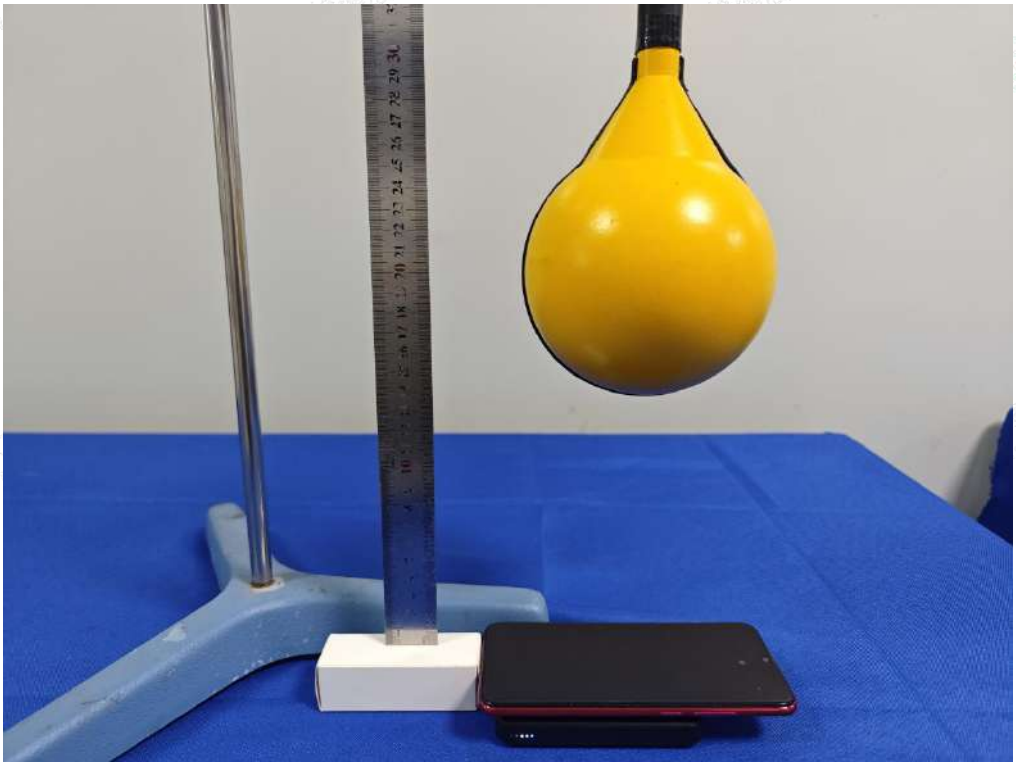


Test Position E(12cm) - Exposure photo from side edge surface-Right(TM1)



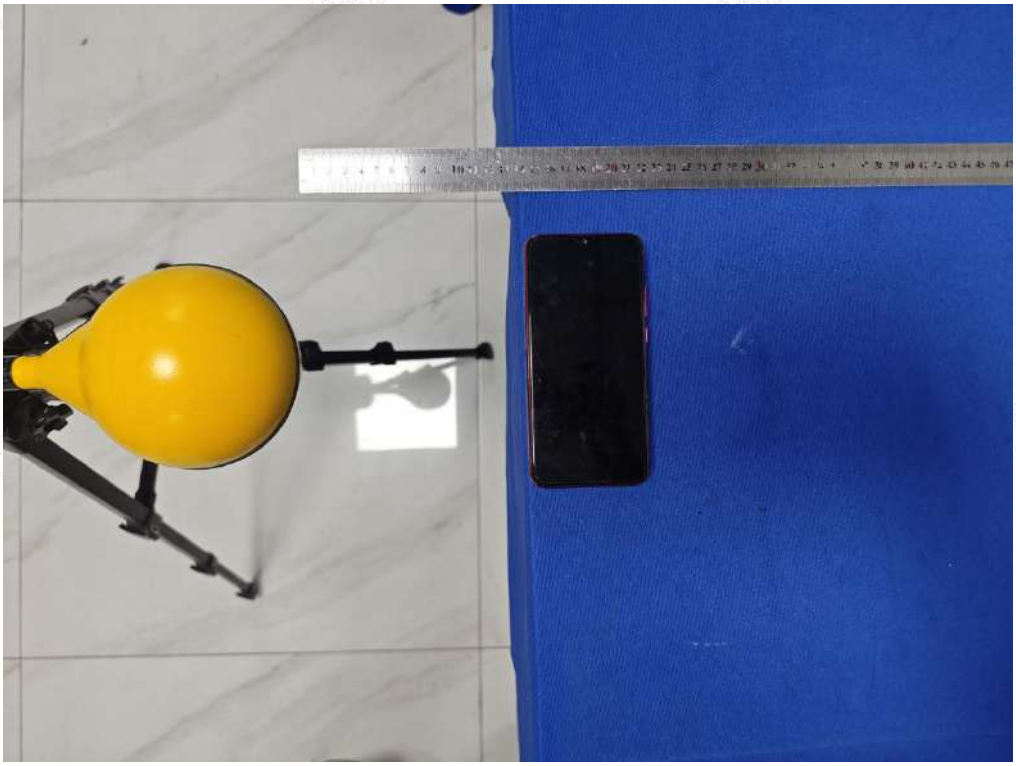
Test Position F(12cm) - Exposure photo from bottom surface(TM1)

H-Field Strength:

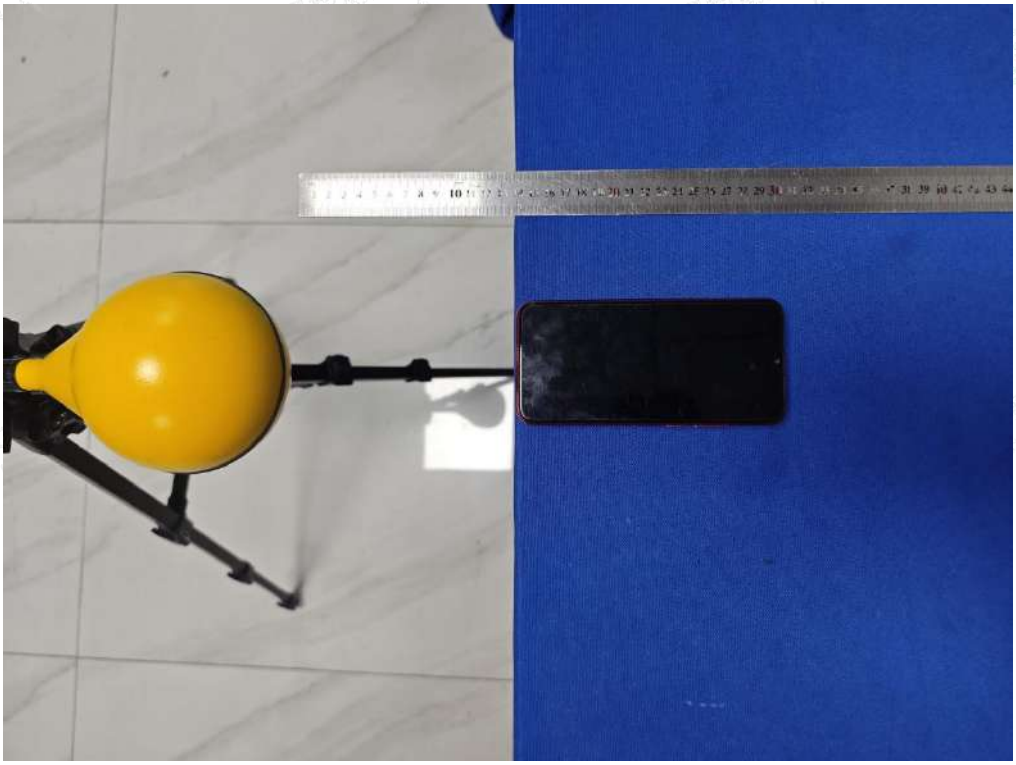


Test Position A (14cm) - Exposure photo from top surface (TM1)

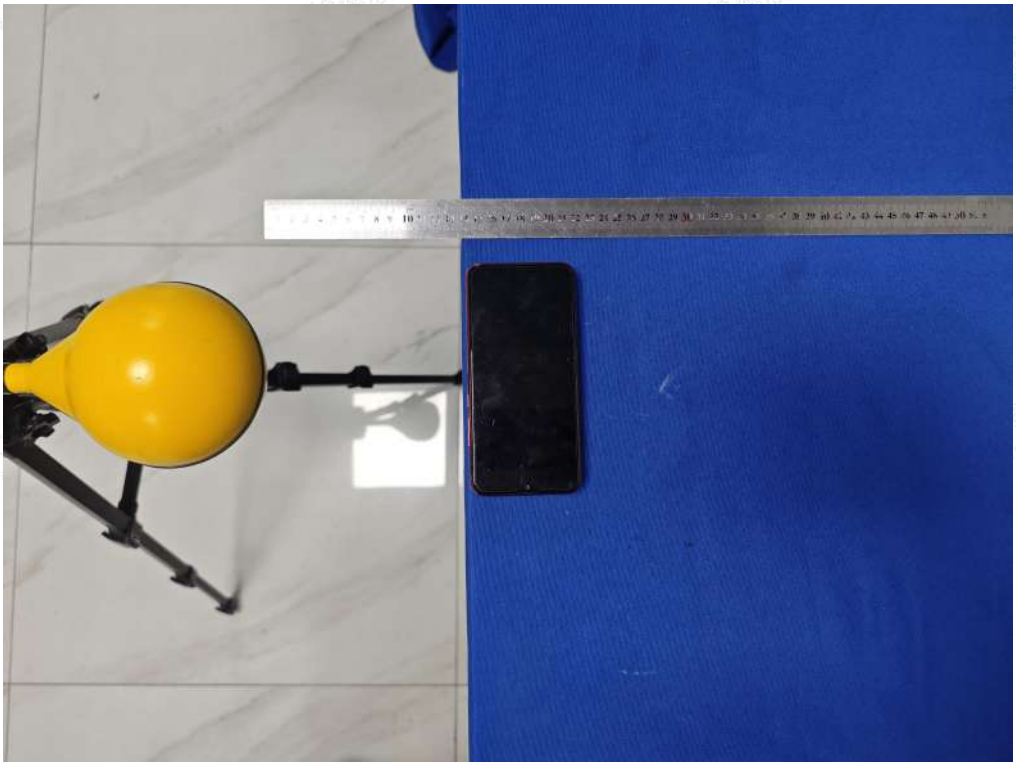
Test Position B(14cm) - Exposure photo from side edge surface-Rear(TM1)



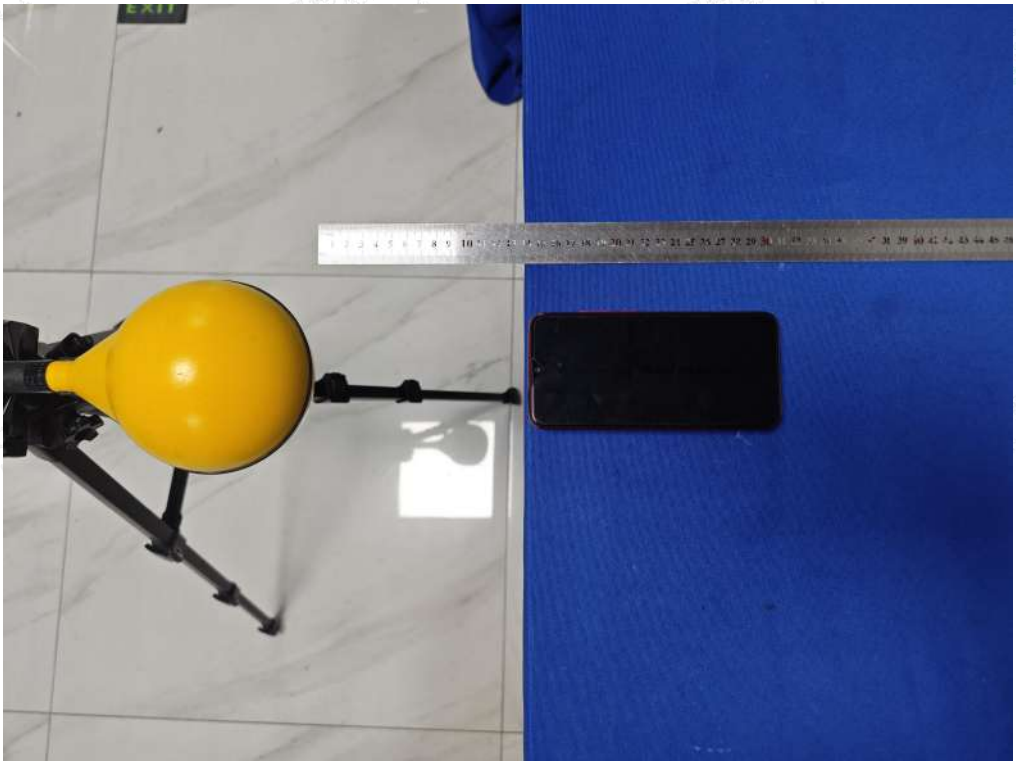
Test Position C(14cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(14cm) - Exposure photo from side edge surface-Front(TM1)



Test Position E(14cm) - Exposure photo from side edge surface-Right(TM1)

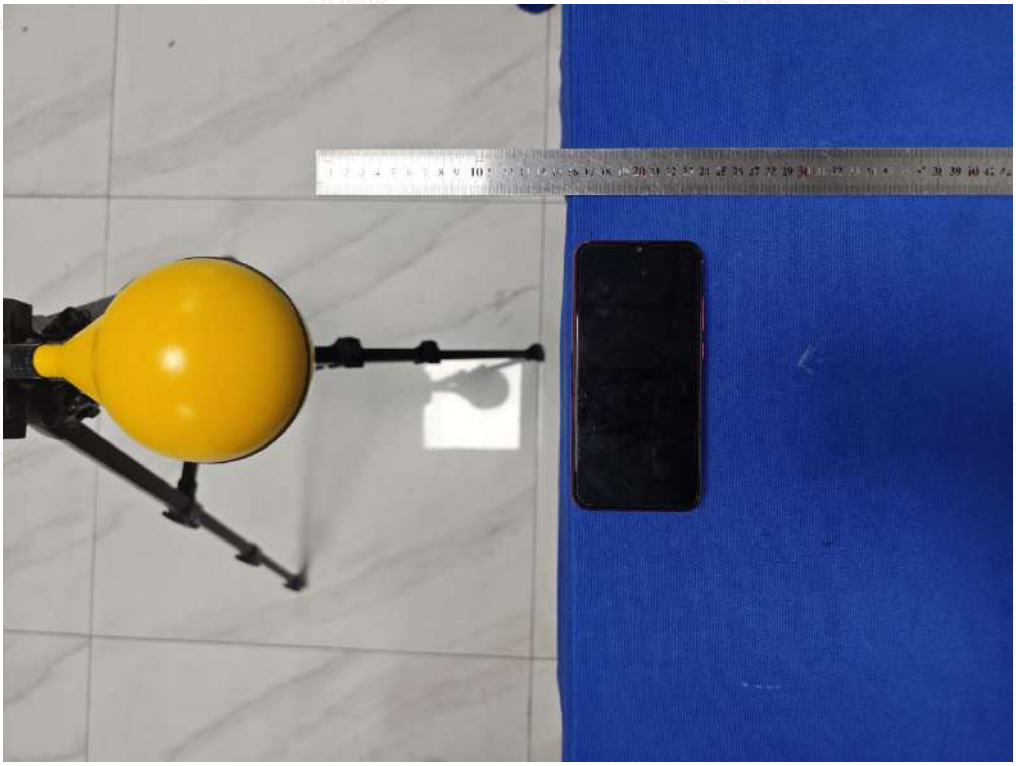


Test Position F(14cm) - Exposure photo from bottom surface(TM1)

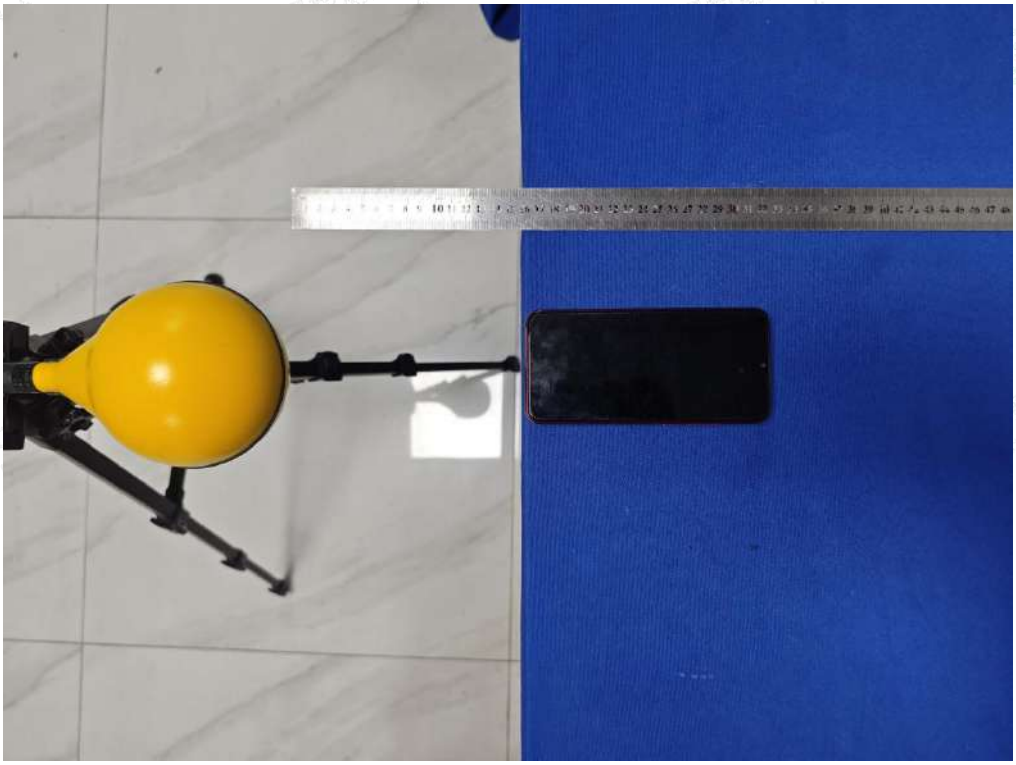
H-Field Strength:

Test Position A (16cm) - Exposure photo from top surface (TM1)

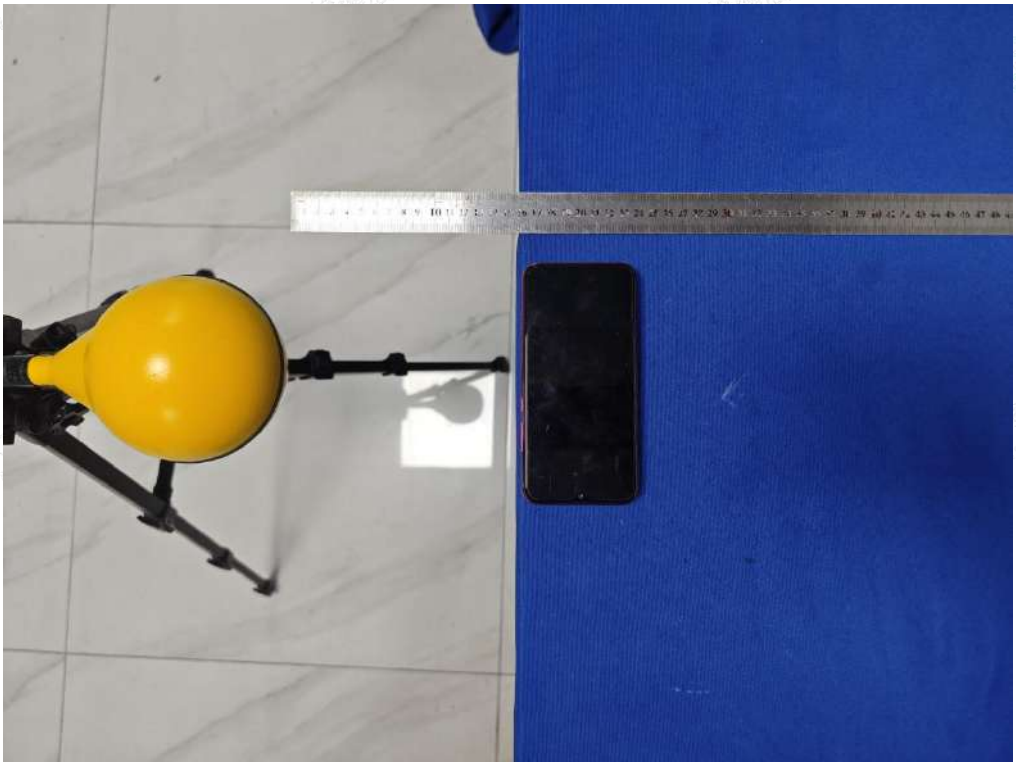
Test Position B(16cm) - Exposure photo from side edge surface-Rear(TM1)



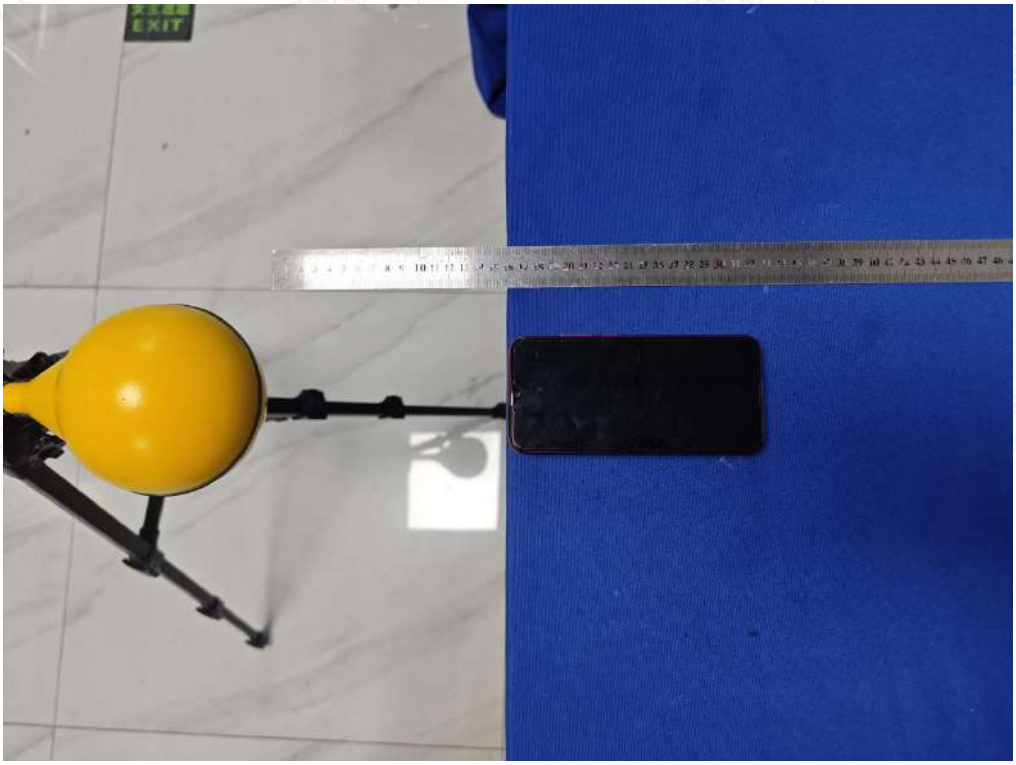
Test Position C(16cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(16cm) - Exposure photo from side edge surface-Front(TM1)

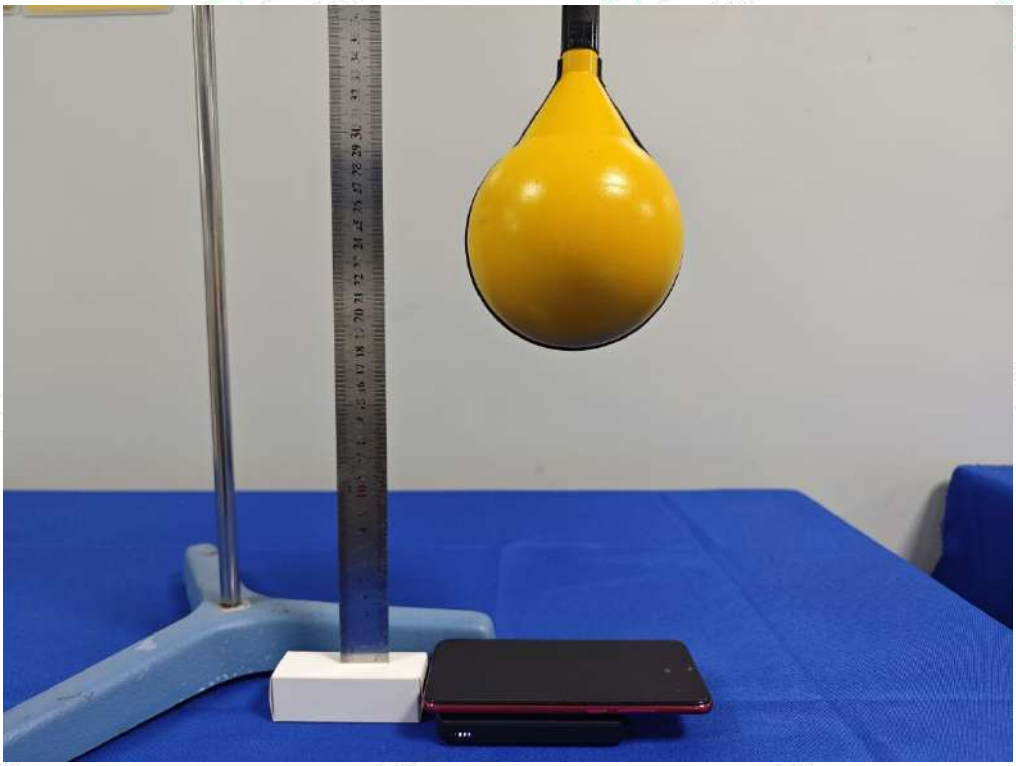


Test Position E(16cm) - Exposure photo from side edge surface-Right(TM1)



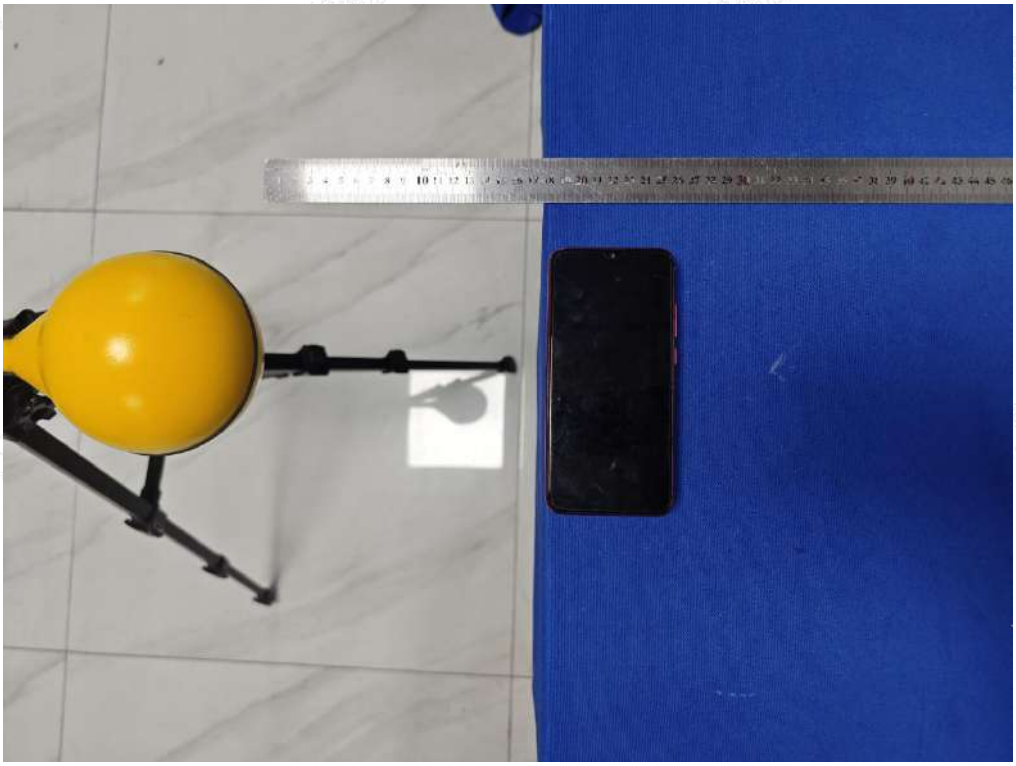
Test Position F(16cm) - Exposure photo from bottom surface(TM1)

H-Field Strength:

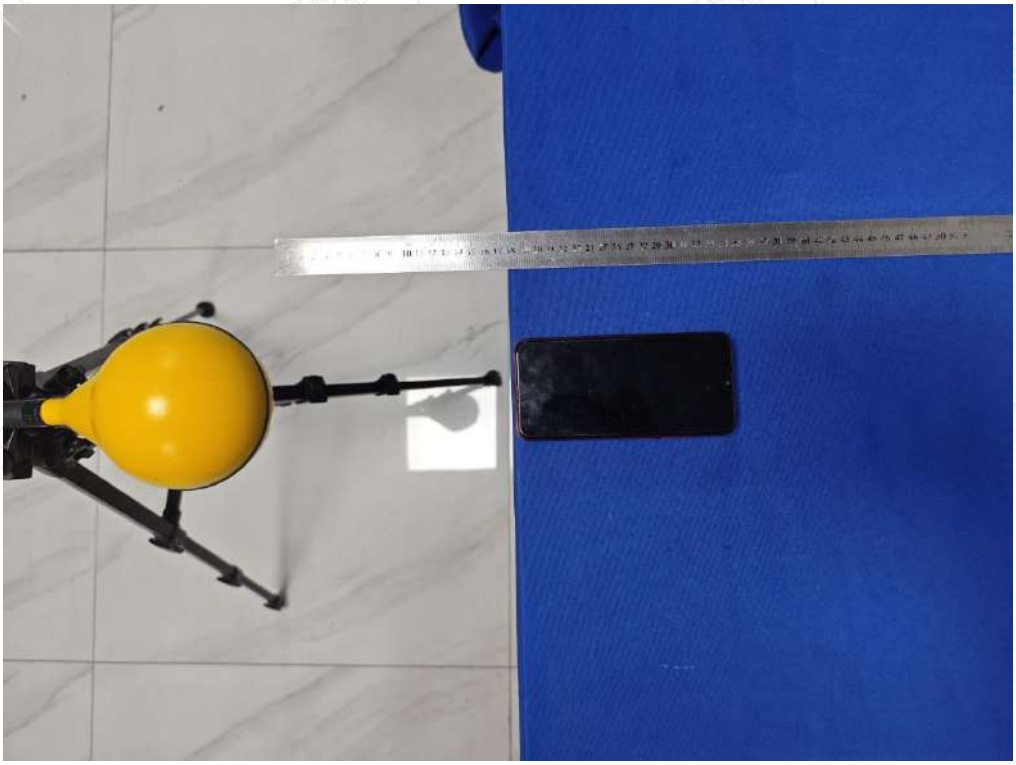


Test Position A (18cm) - Exposure photo from top surface (TM1)

Test Position B(18cm) - Exposure photo from side edge surface-Rear(TM1)

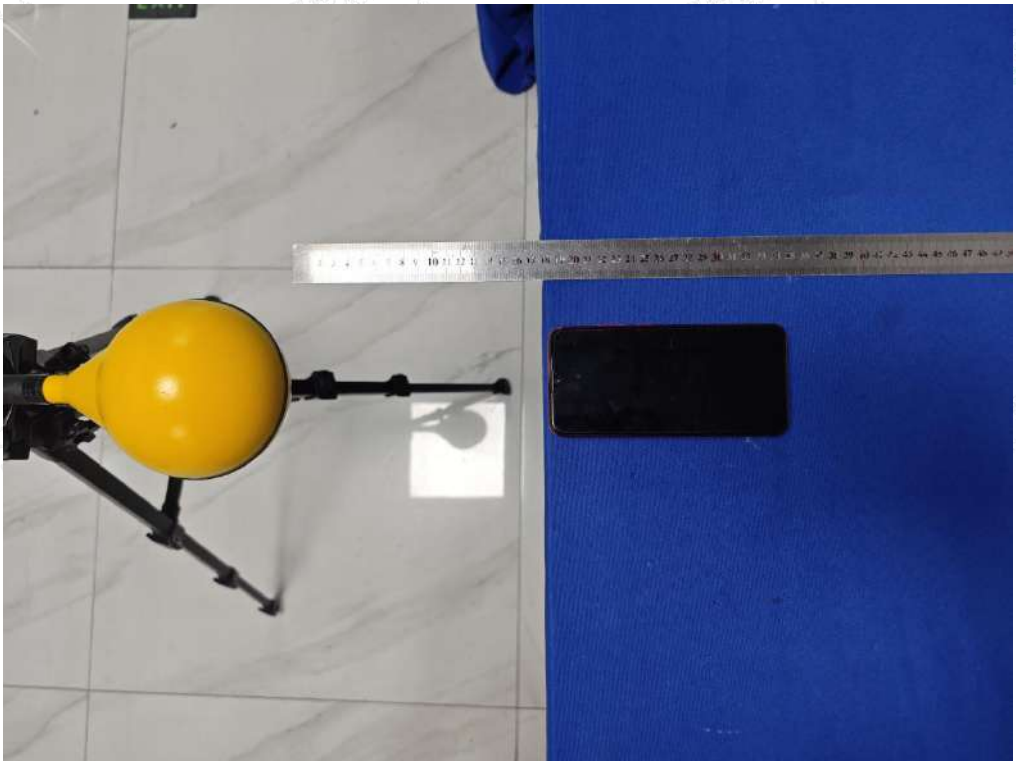


Test Position C(18cm) - Exposure photo from side edge surface-Left(TM1)



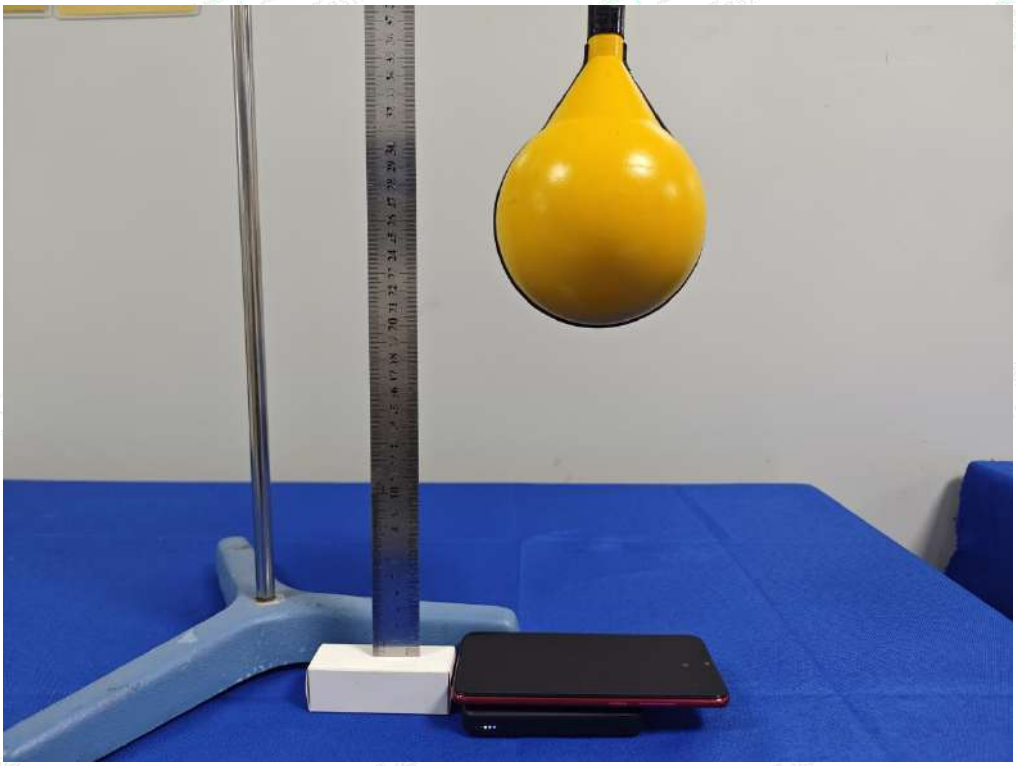
Test Position D(18cm) - Exposure photo from side edge surface-Front(TM1)

Test Position E(18cm) - Exposure photo from side edge surface-Right(TM1)

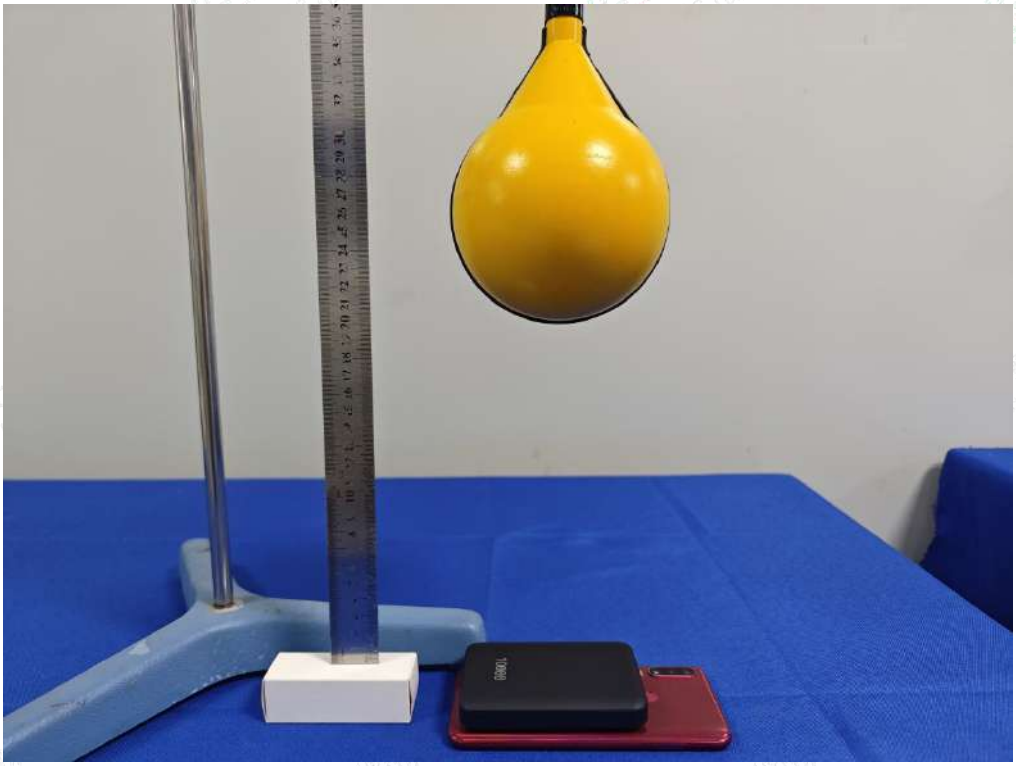


Test Position F(18cm) - Exposure photo from bottom surface(TM1)

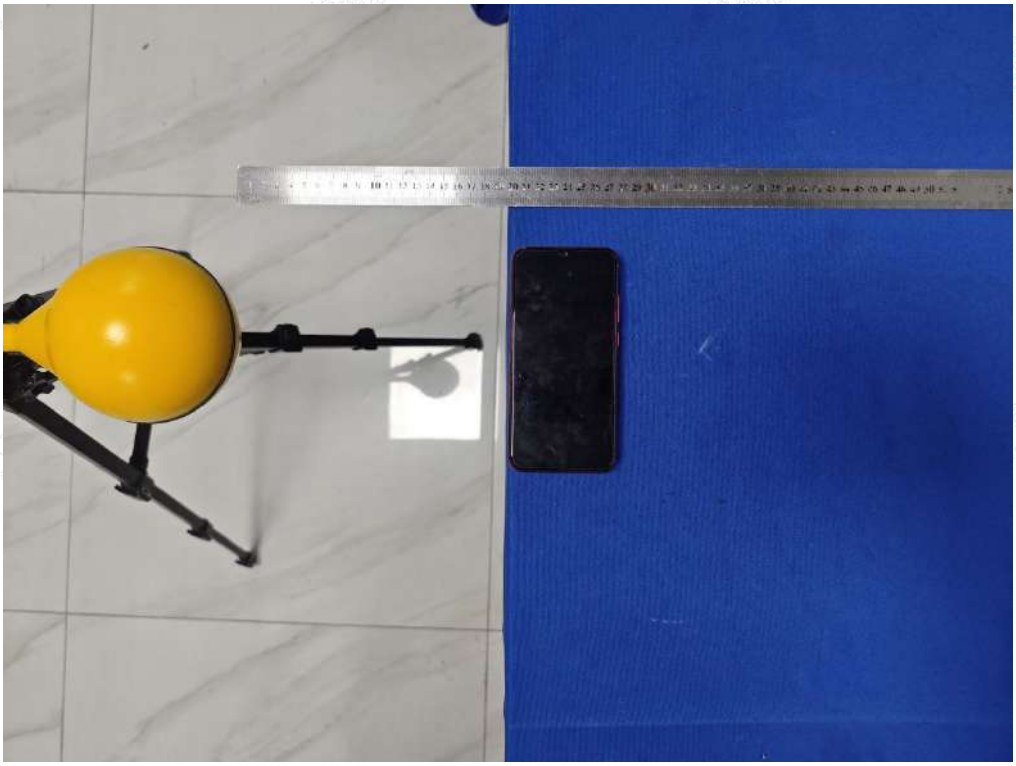
H-Field Strength:



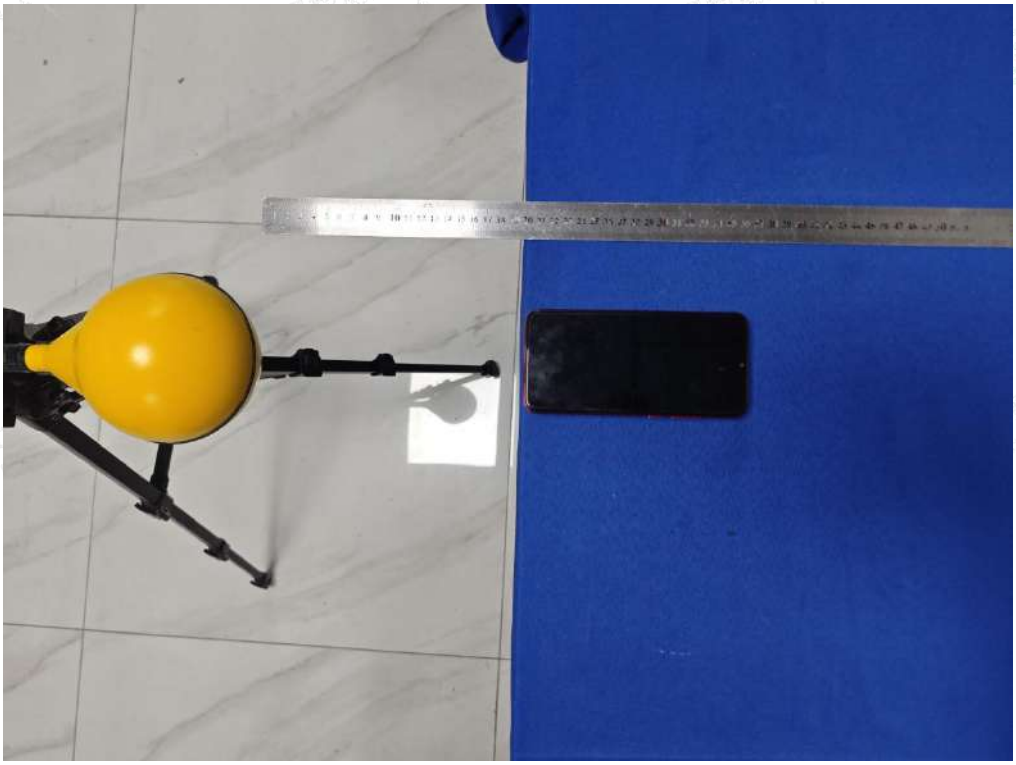
Test Position A (20cm) - Exposure photo from top surface (TM1)



Test Position B(20cm) - Exposure photo from side edge surface-Rear(TM1)



Test Position C(20cm) - Exposure photo from side edge surface-Left(TM1)



Test Position D(20cm) - Exposure photo from side edge surface-Front(TM1)

Test Position E(20cm) - Exposure photo from side edge surface-Right(TM1)

Test Position F(20cm) - Exposure photo from bottom surface(TM1)

11. 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	September 28, 2023	Initial Issue	--

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