



**Shenzhen Global Test Service Co.,Ltd.**

No.7-101 and 8A-104,Building 7 and 8,DCC Cultural and Creative Garden No.98,Pingxin North Road,Shangmugu,Pinghu Street, Longgang District,Shenzhen,Guangdong,China

## TEST REPORT

**Report Reference No.....: GTS20220711011-1-6**

**FCC ID..... 2A48S-E44**

Compiled by

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Date of issue.....: Jul. 28, 2022

**Representative Laboratory Name. : Shenzhen Global Test Service Co.,Ltd.**

Address.....: No.7-101 and 8A-104,Building 7 and 8,DCC Cultural and Creative Garden No.98,Pingxin North Road,Shangmugu,Pinghu Street,Longgang District,Shenzhen,Guangdong,China

**Applicant's name.....: Shenzhenshi Weiduli Technology Co.,Ltd.**

Address.....: 4h Floor, Building 4, Dejin Industrial Zone,No. 40, Fuyuan 1st Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen

**Test specification..... :**

Standard.....: FCC KDB 680106 D01

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**Test item description.....: Magnetic wireless Power Bank**

Trade Mark.....: N/A

Manufacturer.....: Shenzhenshi Weiduli Technology Co.,Ltd.

Model/Type reference.....: E44B

List Model.....: E44B, E44, E44A

Modulation Type.....: CW (Continuous Wave)

Operation Frequency.....: 115-205KHz

Ratings.....: Type-C IN/OUT:DC5V== 3A/9V== 2.22A/12V== 1.5A

USB OUTPUT: DC4.5V== 5A/5V== 4.5A/5V== 3A/9V== 2A/12V== 1.5A

WIRELESS OUTPUT: 5W/7.5W/10W/15W

Result.....: **PASS**



# TEST REPORT

<b>Test Report No. :</b>	<b>GTS20220711011-1-6</b>	Jul. 28, 2022
		Date of issue

Equipment under Test : Magnetic wireless Power Bank

Model /Type : E44B

Listed Models : E44B, E44, E44A

**Applicant** : **Shenzhenshi Weiduli Technology Co.,Ltd.**

Address : 4h Floor, Building 4, Dejin Industrial Zone, No. 40, Fuyuan 1st Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen

**Manufacturer** : **Shenzhenshi Weiduli Technology Co.,Ltd.**

Address : 4h Floor, Building 4, Dejin Industrial Zone, No. 40, Fuyuan 1st Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen

<b>Test Result:</b>	<b>PASS</b>
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The test report merely corresponds to the test sample.  
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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# 1. SUMMARY

## 1.1. General Remarks

Date of receipt of test sample	:	Jul. 11, 2022
Testing commenced on	:	Jul. 11, 2022
Testing concluded on	:	Jul. 23, 2022

## 1.2. Product Description

Product Name:	Magnetic wireless Power Bank
Trade Mark:	N/A
Model/Type reference:	E44B
List Model:	E44B, E44, E44A
Model Declaration	Model name is different
Power supply:	DC5V== 3A/9V== 2.22A/12V== 1.5A from Type-C Port DC 3.7V from built-in battery
Hardware version	N/A
Software version	N/A
Sample ID	GTS20220711011-1-1#
WPT	
Operation frequency	115-205KHz
Modulation Type	CW (Continuous Wave)
Load Sensing	Contact transmission
Antenna Type	Coil Antenna
Antenna Gain	0dBi

### 1.3. Equipment Under Test

#### Power supply system utilised

Power supply voltage	:	<input type="radio"/> 230V / 50 Hz	<input type="radio"/> 120V / 60Hz
		<input type="radio"/> 12 V DC	<input type="radio"/> 24 V DC
		<input checked="" type="radio"/> Other (specified in blank below)	

DC 3.7V

#### Description of the test mode

Operation Frequency each of channel	
Channel	Frequency
1	127.7KHz

Mode	Mode1
AC mode	Wireless Charging 15W

Note: All input voltage modes are tested, only the worst mode (DC 3.7) is recorded in the report.

### 1.4. Modifications

No modifications were implemented to meet testing criteria.

### 1.5. Address of the test laboratory

#### Shenzhen Global Test Service Co.,Ltd.

No.7-101 and 8A-104,Building 7 and 8,DCC Cultural and Creative Garden No.98,Pingxin North Road,Shangmugu,Pinghu Street,Longgang District,Shenzhen,Guangdong,China

### 1.6. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS (No. CNAS L8169)

Shenzhen Global Test Service Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2019 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA (Certificate No. 4758.01)

Shenzhen Global Test Service Co., Ltd. has been assessed by the American Association for Laboratory Accreditation (A2LA). Certificate No. 4758.01.

Industry Canada Registration Number. is 24189.

FCC Designation Number is CN1234.

FCC Registered Test Site Number is165725.

IC Registration Number is 24189.

CAB identifier is CN0082.

**1.7. Statement of the measurement uncertainty**

Test Item	Frequency Range	Uncertainty
H-Field Strength Uncertainty	1Hz~400KHz	3.12dB, k=2
F-Field Strength Uncertainty	1Hz~400KHz	2.68dB, k=2

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

**1.8. TEST STANDARDS**

[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 part 18.107](#): Industrial, Scientific, and Medical Equipment

**1.9. Equipments Used during the Test**

Description	Brand	Model No.	Serial no.	Calibrated Date	Calibrated Until
Exposure Level Tester	NARDA	ELT-400	N-0713	Apr. 09, 2022	Apr. 08, 2023
B-Field Probe	NARDA	ELT-400	M-1154	Apr. 09, 2022	Apr. 08, 2023

NOTE: 1. The calibration interval of the above test instruments is 12 months .

## **2. TEST CONDITIONS AND RESULTS**

### **2.1. 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

6. According to April 2018 TCB Workshop, No need to report E-field measurements. Only H-field required.

7. According to April 2018 TCB Workshop, for inductive applications where the primary does not physically attach (clip, lock on) to the client, and it is intended for desktop use, the desktop guidance in KDB 680106 D01 may be applied.

### 2.2. 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/cm <sup>2</sup> )	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/f <sup>2</sup>	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/cm <sup>2</sup> )	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/f <sup>2</sup>	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

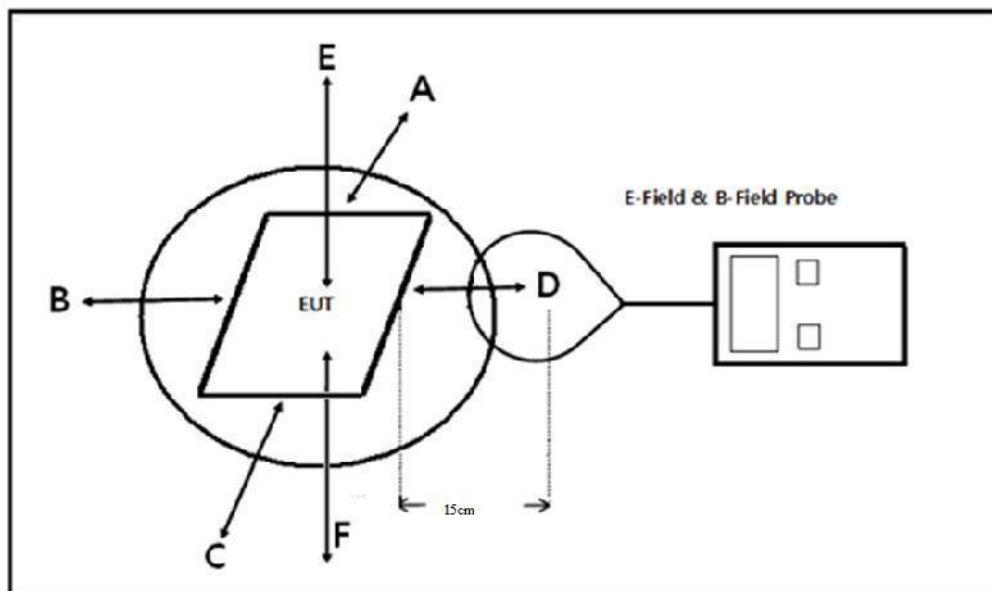
\*=Plane-wave equivalent power density

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 0cm from the edge of the probe to the edge of the device):

Frequency	E-Field V/m	*/* A/m	B-Field uT
0.3 MHz – 3.0 MHz	614	1.613	2.0
3.0 MHz – 30 MHz	824/f (=27.530MHz)	2.19/f (=0.07330MHz)	--

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

### 2.3. Test Setup Diagram



Remark: The ELT-400 probe antenna diameter is 11.3cm

For mobile RF exposure condition, due to installation limitations no tests from the underside of the charging device are required.



### 2.4. 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 (15cm and 20cm) which is between the edges of the charger and the geometric center of probe.  
The measurement probe was placed at test distance (0cm) which is between the edge of the charger and the edge 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, F) were completed.
- e) The EUT were measured according to the dictates of KDB 680106D01v03.

### 2.5. 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 115.0 KHz - 205 KHz
Output power from each primary coil is less than or equal to 15 watts.	Yes	The maximum output power of the primary coil is 15W
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 EUT consists of two coils that charge the device simultaneously.
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).	Yes	Mobile exposure conditions only
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.

### 2.6. Symbols

For the purpose of the present document, the following symbols apply;

B: Magnetic flux

E: Filed strength

H: Magnetic field strength

EAVG = Spatial average of Filed strength

HAVG = Spatial average of Magnetic field strength

B1: Magnetic flux of wireless charge port 1 (Wireless load)

E1: Filed Strength of wireless charge port 1 (Wireless load)

H1: Magnetic field strength of wireless charge port 1 (Wireless load)

### 2.7. Test Results

Test mode: Normal Operation (Charging mode)

B-filed Strength at 0 cm from the edges surrounding the EUT and 0 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.405	0.425	0.412	0.422	0.453	0.441	-	-
	50%	0.1277	0.425	0.451	0.440	0.437	0.471	0.463	-	-
	99%	0.1277	0.455	0.471	0.469	0.448	0.489	0.482	-	-

E-Filed Strength at 0 cm from the edges surrounding the EUT and 0 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	121.771	127.785	123.876	126.883	136.203	132.595	307.0	614.0
	50%	0.1277	127.785	135.602	132.295	131.393	141.616	139.210	307.0	614.0
	99%	0.1277	136.805	141.616	141.014	134.700	147.028	144.923	307.0	614.0

H-Filed Strength at 0 cm from the edges surrounding the EUT and 0 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.324	0.340	0.330	0.338	0.362	0.353	0.815	1.63
	50%	0.1277	0.340	0.361	0.352	0.350	0.377	0.370	0.815	1.63
	99%	0.1277	0.364	0.377	0.375	0.358	0.391	0.386	0.815	1.63

B-filed Strength at 2 cm from the edges surrounding the EUT and 2 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.371	0.369	0.374	0.380	0.377	0.379	-	-
	50%	0.1277	0.372	0.382	0.379	0.388	0.381	0.390	-	-
	99%	0.1277	0.380	0.388	0.390	0.394	0.387	0.394	-	-

E-Filed Strength at 2 cm from the edges surrounding the EUT and 2 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	111.549	110.947	112.451	114.255	113.353	113.954	307.0	614.0
	50%	0.1277	111.849	114.856	113.954	116.660	114.555	117.261	307.0	614.0
	99%	0.1277	114.255	116.660	117.261	118.464	116.359	118.464	307.0	614.0

H-Filed Strength at 2 cm from the edges surrounding the EUT and 2 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.297	0.295	0.299	0.304	0.302	0.303	0.815	1.63
	50%	0.1277	0.298	0.306	0.303	0.310	0.305	0.312	0.815	1.63
	99%	0.1277	0.304	0.310	0.312	0.315	0.310	0.315	0.815	1.63

B-filed Strength at 4 cm from the edges surrounding the EUT and 4 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.349	0.348	0.353	0.351	0.353	0.348	-	-
	50%	0.1277	0.355	0.356	0.354	0.356	0.357	0.356	-	-
	99%	0.1277	0.357	0.358	0.360	0.358	0.359	0.361	-	-

E-Filed Strength at 4 cm from the edges surrounding the EUT and 4 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	104.934	104.633	106.136	105.535	106.136	104.633	307.0	614.0
	50%	0.1277	106.738	107.038	106.437	107.038	107.339	107.038	307.0	614.0
	99%	0.1277	107.339	107.640	108.241	107.640	107.941	108.542	307.0	614.0

H-Filed Strength at 4 cm from the edges surrounding the EUT and 4 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.279	0.278	0.282	0.281	0.282	0.278	0.815	1.63
	50%	0.1277	0.284	0.285	0.283	0.285	0.286	0.285	0.815	1.63
	99%	0.1277	0.286	0.286	0.288	0.286	0.287	0.289	0.815	1.63

B-filed Strength at 6 cm from the edges surrounding the EUT and 6 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.341	0.342	0.340	0.341	0.342	0.342	-	-
	50%	0.1277	0.342	0.343	0.344	0.343	0.346	0.345	-	-
	99%	0.1277	0.348	0.346	0.348	0.348	0.349	0.348	-	-

E-Filed Strength at 6 cm from the edges surrounding the EUT and 6 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	102.528	102.829	102.228	102.528	102.829	102.829	307.0	614.0
	50%	0.1277	102.829	103.130	103.430	103.130	104.032	103.731	307.0	614.0
	99%	0.1277	104.633	104.032	104.633	104.633	104.934	104.633	307.0	614.0

H-Filed Strength at 6 cm from the edges surrounding the EUT and 6 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.273	0.274	0.272	0.273	0.274	0.274	0.815	1.63
	50%	0.1277	0.274	0.274	0.275	0.274	0.277	0.276	0.815	1.63
	99%	0.1277	0.278	0.277	0.278	0.278	0.279	0.278	0.815	1.63

B-filed Strength at 8 cm from the edges surrounding the EUT and 8 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.328	0.332	0.335	0.331	0.334	0.333	-	-
	50%	0.1277	0.332	0.336	0.337	0.335	0.336	0.336	-	-
	99%	0.1277	0.336	0.339	0.339	0.338	0.340	0.340	-	-

E-Filed Strength at 8 cm from the edges surrounding the EUT and 8 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	98.620	99.822	100.724	99.522	100.424	100.123	307.0	614.0
	50%	0.1277	99.822	101.025	101.326	100.724	101.025	101.025	307.0	614.0
	99%	0.1277	101.025	101.927	101.927	101.626	102.228	102.228	307.0	614.0

H-Filed Strength at 8 cm from the edges surrounding the EUT and 8 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.262	0.266	0.268	0.265	0.267	0.266	0.815	1.63
	50%	0.1277	0.266	0.269	0.270	0.268	0.269	0.269	0.815	1.63
	99%	0.1277	0.269	0.271	0.271	0.270	0.272	0.272	0.815	1.63

B-filed Strength at 10 cm from the edges surrounding the EUT and 10 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.319	0.319	0.321	0.319	0.319	0.321	-	-
	50%	0.1277	0.322	0.325	0.325	0.323	0.325	0.325	-	-
	99%	0.1277	0.325	0.326	0.326	0.322	0.327	0.327	-	-

E-Filed Strength at 10 cm from the edges surrounding the EUT and 10 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	95.914	95.914	96.515	95.914	95.914	96.515	307.0	614.0
	50%	0.1277	96.816	97.718	97.718	97.116	97.718	97.718	307.0	614.0
	99%	0.1277	97.718	98.018	98.018	96.816	98.319	98.319	307.0	614.0

H-Filed Strength at 10 cm from the edges surrounding the EUT and 10 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.255	0.255	0.257	0.255	0.255	0.257	0.815	1.63
	50%	0.1277	0.258	0.260	0.260	0.258	0.260	0.260	0.815	1.63
	99%	0.1277	0.260	0.261	0.261	0.258	0.262	0.262	0.815	1.63

B-filed Strength at 12 cm from the edges surrounding the EUT and 12 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.307	0.311	0.311	0.313	0.314	0.309	-	-
	50%	0.1277	0.309	0.312	0.315	0.319	0.315	0.308	-	-
	99%	0.1277	0.310	0.315	0.318	0.320	0.317	0.316	-	-

E-Filed Strength at 12 cm from the edges surrounding the EUT and 12 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	92.306	93.508	93.508	94.110	94.410	92.907	307.0	614.0
	50%	0.1277	92.907	93.809	94.711	95.914	94.711	92.606	307.0	614.0
	99%	0.1277	93.208	94.711	95.613	96.214	95.312	95.012	307.0	614.0

H-Filed Strength at 12 cm from the edges surrounding the EUT and 12 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.246	0.249	0.249	0.250	0.251	0.247	0.815	1.63
	50%	0.1277	0.247	0.250	0.252	0.255	0.252	0.246	0.815	1.63
	99%	0.1277	0.248	0.252	0.254	0.256	0.254	0.253	0.815	1.63



B-filed Strength at 14 cm from the edges surrounding the EUT and 14 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.302	0.305	0.308	0.298	0.299	0.304	-	-
	50%	0.1277	0.305	0.307	0.302	0.304	0.308	0.304	-	-
	99%	0.1277	0.301	0.302	0.297	0.299	0.311	0.305	-	-

E-Filed Strength at 14 cm from the edges surrounding the EUT and 14 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	90.802	91.704	92.606	89.600	89.900	91.404	307.0	614.0
	50%	0.1277	91.704	92.306	90.802	91.404	92.606	91.404	307.0	614.0
	99%	0.1277	90.502	90.802	89.299	89.900	93.508	91.704	307.0	614.0

H-Filed Strength at 14 cm from the edges surrounding the EUT and 14 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.242	0.244	0.246	0.238	0.239	0.243	0.815	1.63
	50%	0.1277	0.244	0.246	0.242	0.243	0.246	0.243	0.815	1.63
	99%	0.1277	0.241	0.242	0.238	0.239	0.249	0.244	0.815	1.63

B-filed Strength at 16 cm from the edges surrounding the EUT and 16 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.288	0.286	0.291	0.288	0.281	0.284	-	-
	50%	0.1277	0.283	0.293	0.287	0.301	0.287	0.279	-	-
	99%	0.1277	0.294	0.301	0.295	0.287	0.301	0.304	-	-

E-Filed Strength at 16 cm from the edges surrounding the EUT and 16 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	86.593	85.992	87.495	86.593	84.488	85.390	307.0	614.0
	50%	0.1277	85.090	88.096	86.292	90.502	86.292	83.887	307.0	614.0
	99%	0.1277	88.397	90.502	88.698	86.292	90.502	91.404	307.0	614.0

H-Filed Strength at 16 cm from the edges surrounding the EUT and 16 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.230	0.229	0.233	0.230	0.225	0.227	0.815	1.63
	50%	0.1277	0.226	0.234	0.230	0.241	0.230	0.223	0.815	1.63
	99%	0.1277	0.235	0.241	0.236	0.230	0.241	0.243	0.815	1.63

B-filed Strength at 18 cm from the edges surrounding the EUT and 18 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.245	0.241	0.246	0.263	0.239	0.241	-	-
	50%	0.1277	0.255	0.251	0.249	0.269	0.245	0.256	-	-
	99%	0.1277	0.265	0.261	0.266	0.273	0.251	0.267	-	-

E-Filed Strength at 18 cm from the edges surrounding the EUT and 18 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	73.664	72.461	73.965	79.076	71.860	72.461	307.0	614.0
	50%	0.1277	76.671	75.468	74.867	80.880	73.664	76.972	307.0	614.0
	99%	0.1277	79.678	78.475	79.978	82.083	75.468	80.279	307.0	614.0

H-Filed Strength at 18 cm from the edges surrounding the EUT and 18 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed 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	Test Position F		
H1	1%	0.1277	0.196	0.193	0.197	0.210	0.191	0.193	0.815	1.63
	50%	0.1277	0.204	0.201	0.199	0.215	0.196	0.205	0.815	1.63
	99%	0.1277	0.212	0.209	0.213	0.218	0.201	0.214	0.815	1.63

B-filed Strength at 20 cm from the edges surrounding the EUT and 20 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured B-filed Strength Values (uT)						FCC E-Field Strength 50% Limits (uT)	FCC E-Field Strength Limits (uT)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
B1	1%	0.1277	0.221	0.223	0.230	0.218	0.215	0.228	-	-
	50%	0.1277	0.234	0.234	0.241	0.226	0.227	0.231	-	-
	99%	0.1277	0.241	0.243	0.250	0.231	0.233	0.240	-	-

E-Filed Strength at 20 cm from the edges surrounding the EUT and 20 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed E-filed 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	Test Position F		
E1	1%	0.1277	66.448	67.049	69.154	65.546	64.644	68.553	307.0	614.0
	50%	0.1277	70.357	70.357	72.461	67.951	68.252	69.455	307.0	614.0
	99%	0.1277	72.461	73.063	75.167	69.455	70.056	72.161	307.0	614.0

H-Filed Strength at 20 cm from the edges surrounding the EUT and 20 cm above the top surface

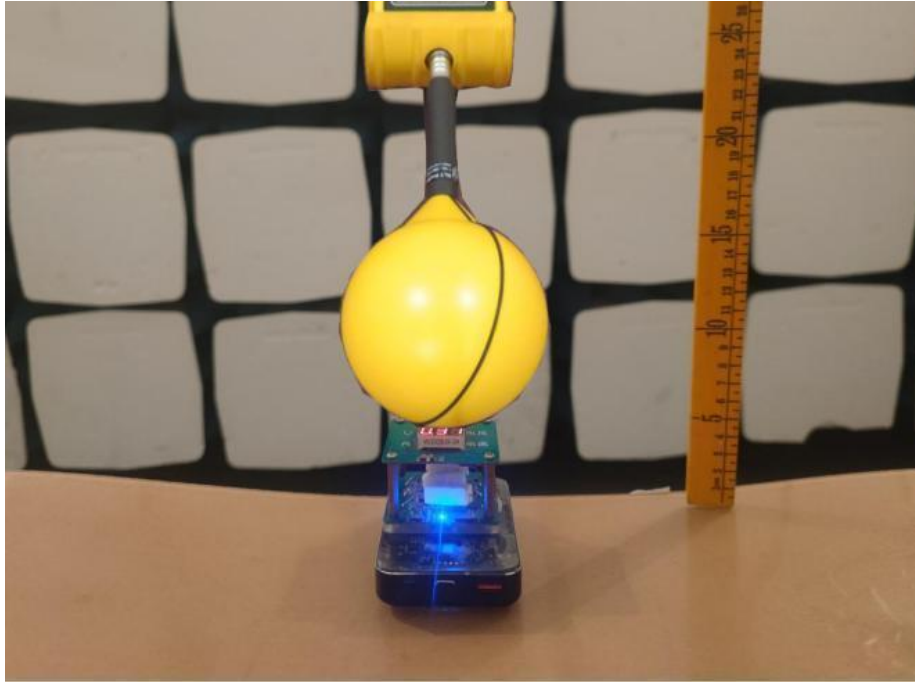
Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed Strength Values (A/m)						FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
H1	1%	0.1277	0.177	0.178	0.184	0.174	0.172	0.182	0.815	1.63
	50%	0.1277	0.187	0.187	0.193	0.181	0.182	0.185	0.815	1.63
	99%	0.1277	0.193	0.194	0.200	0.185	0.186	0.192	0.815	1.63

Note:

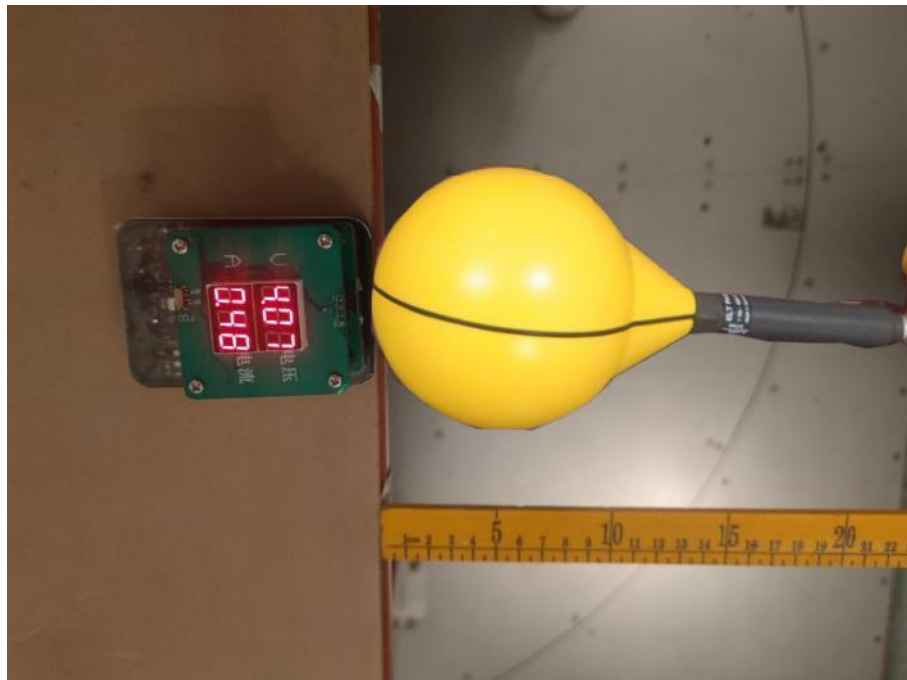
$$V/m = 10^{((dBuV/m) - 120) / 20} = 10^{((dBuA/m + 51.5) - 120) / 20} = 10^{((20 \lg(A/m * 10^6) + 51.5) - 120) / 20}$$

$$A/m = uT / 1.25$$

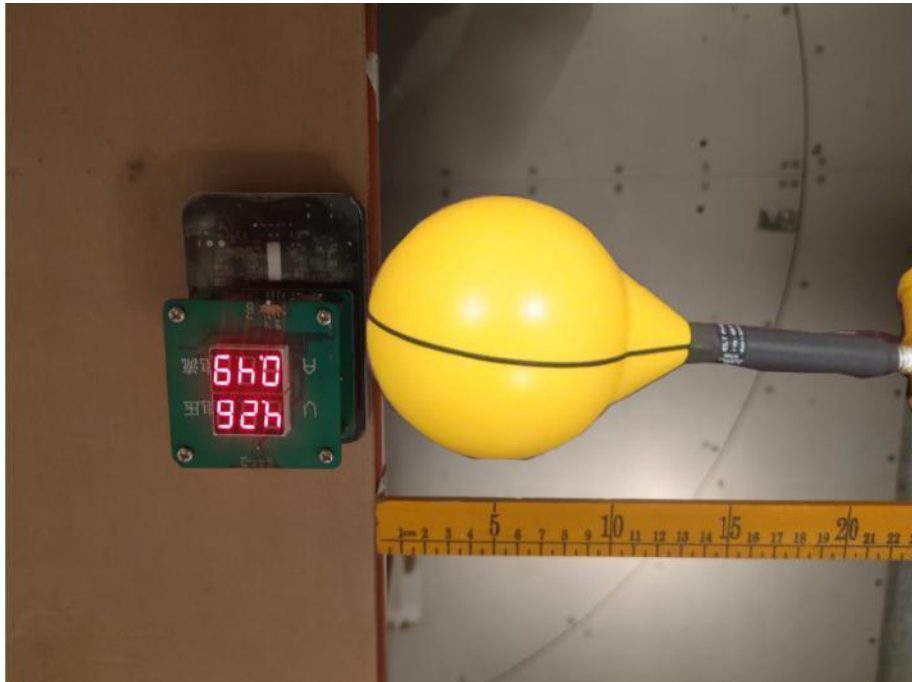
### **3. Test Setup Photos of the EUT**



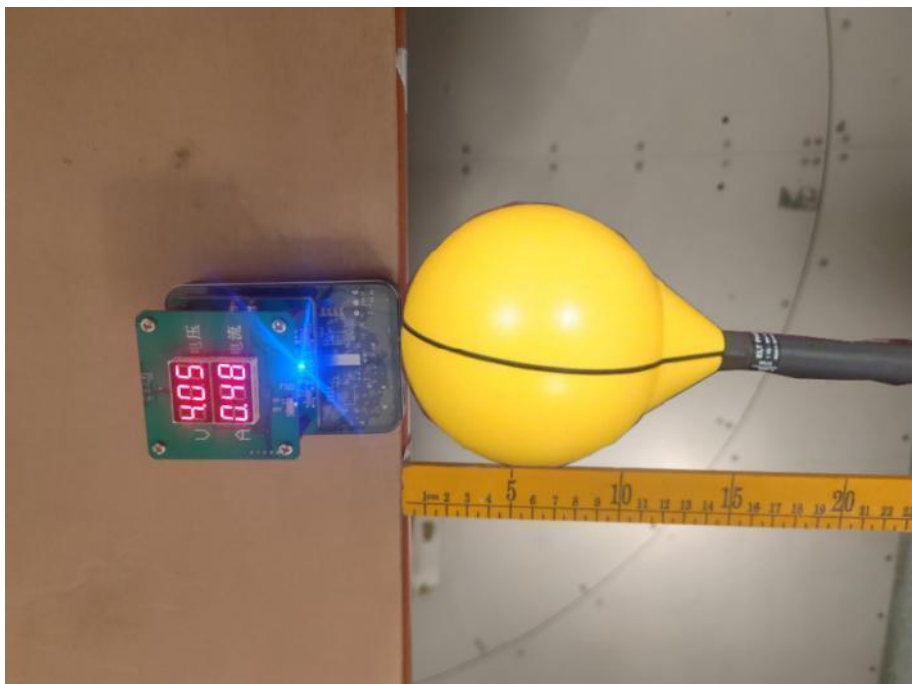
**Test Position A - Exposure photo from top surface (TM1) - 15 cm**



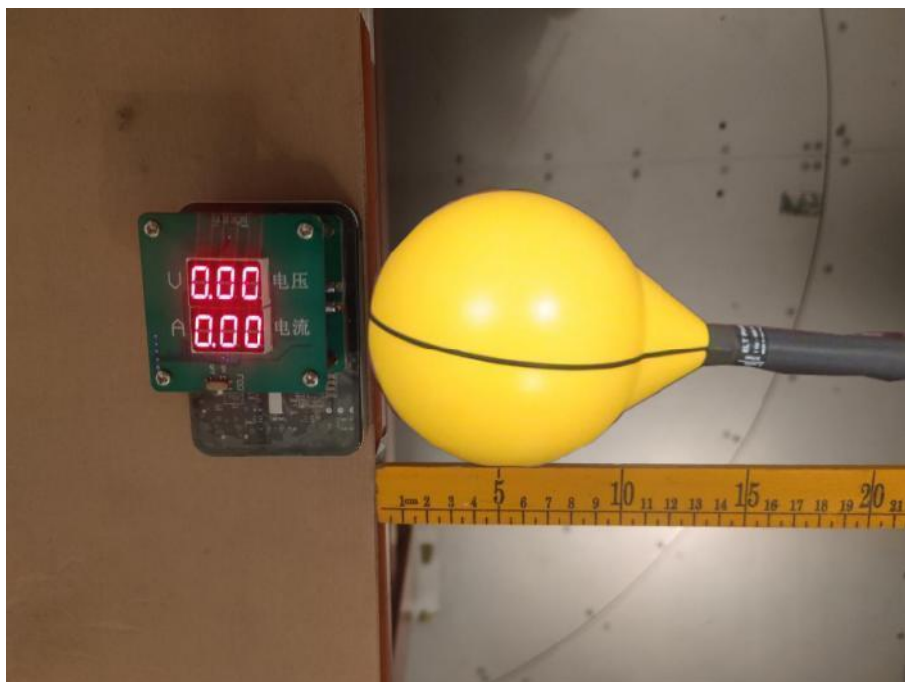
**Test Position B - Exposure photo from side edge surface-Rear(TM1) - 0 cm**



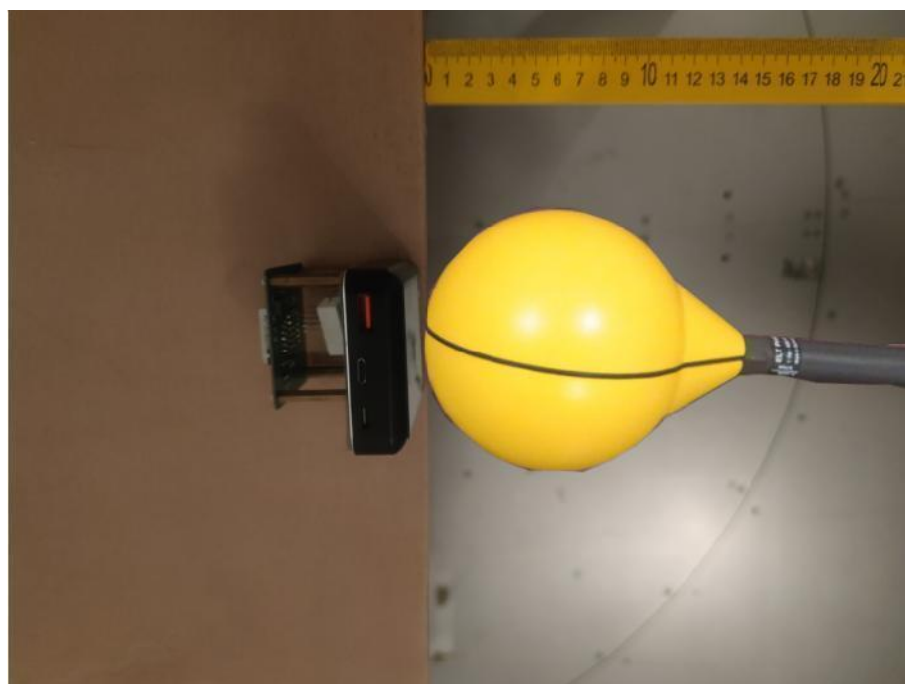
Test Position C - Exposure photo from side edge surface-Left(TM1) - 0 cm



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



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



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

#### **4. Conclusion**

A minimum safety distance of at 15 cm surrounding the device and 20 cm above the top surface of the device is required when the device is charging a Wireless load. The detected emissions with a distance of 15 cm surrounding the device and 20 cm above the top surface of the device are below the limitations according to FCC KDB 680106 D01 Section 3. RF Exposure Requirement Clause 3.

.....**End of Report**.....