



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.....: GTS20220711013-1-6

FCC ID.....: 2A48S-E42

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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.....: E42A

List Model.....: E42A, E42, E42B

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

Test Report No. : GTS20220711013-1-6	Jul. 28, 2022 Date of issue
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Equipment under Test : Magnetic wireless Power Bank

Model /Type : E42A

Listed Models : E42A, E42, E42B

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

Test Result:	PASS
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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:	E42A
List Model:	E42A, E42, E42B
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	GTS20220711013-1-1#
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	:	☐ 230V / 50 Hz	☐ 120V / 60Hz
		☐ 12 V DC	☐ 24 V DC
		☒ 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 ²)	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 ²	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 ²)	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 ²	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

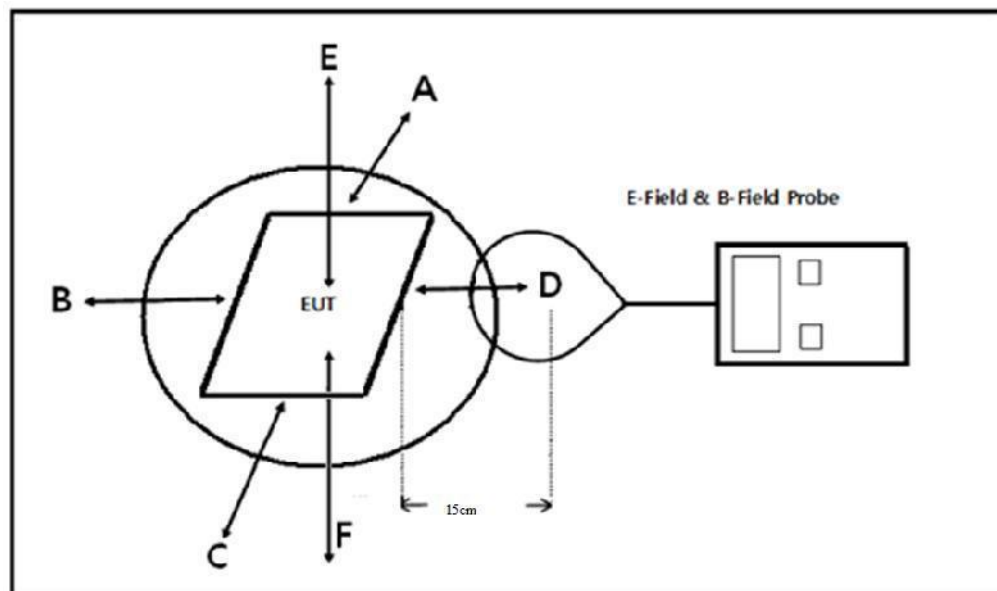
*=Plane-wave equivalent power density

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 360 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	0.412	0.421	0.416	0.422	0.418	0.425	-	-
	50%	0.1277	0.422	0.442	0.423	0.445	0.435	0.445	-	-
	99%	0.1277	0.444	0.465	0.452	0.463	0.488	0.473	-	-

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	123.876	126.582	125.079	126.883	125.680	127.785	307.0	614.0
	50%	0.1277	126.883	132.896	127.183	133.798	130.791	133.798	307.0	614.0
	99%	0.1277	133.497	139.812	135.903	139.210	146.727	142.217	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	0.330	0.337	0.333	0.338	0.334	0.340	0.815	1.63
	50%	0.1277	0.338	0.354	0.338	0.356	0.348	0.356	0.815	1.63
	99%	0.1277	0.355	0.372	0.362	0.370	0.390	0.378	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	0.366	0.365	0.377	0.381	0.375	0.372	-	-
	50%	0.1277	0.371	0.379	0.382	0.387	0.383	0.385	-	-
	99%	0.1277	0.382	0.389	0.393	0.395	0.389	0.396	-	-

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	110.045	109.745	113.353	114.555	112.751	111.849	307.0	614.0
	50%	0.1277	111.549	113.954	114.856	116.359	115.157	115.758	307.0	614.0
	99%	0.1277	114.856	116.961	118.163	118.765	116.961	119.065	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	0.293	0.292	0.302	0.305	0.300	0.298	0.815	1.63
	50%	0.1277	0.297	0.303	0.306	0.310	0.306	0.308	0.815	1.63
	99%	0.1277	0.306	0.311	0.314	0.316	0.311	0.317	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	0.344	0.342	0.353	0.352	0.345	0.343	-	-
	50%	0.1277	0.355	0.355	0.359	0.359	0.351	0.354	-	-
	99%	0.1277	0.358	0.371	0.362	0.363	0.359	0.362	-	-

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	103.430	102.829	106.136	105.836	103.731	103.130	307.0	614.0
	50%	0.1277	106.738	106.738	107.941	107.941	105.535	106.437	307.0	614.0
	99%	0.1277	107.640	111.549	108.843	109.143	107.941	108.843	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	0.275	0.274	0.282	0.282	0.276	0.274	0.815	1.63
	50%	0.1277	0.284	0.284	0.287	0.287	0.281	0.283	0.815	1.63
	99%	0.1277	0.286	0.297	0.290	0.290	0.287	0.290	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	0.343	0.341	0.341	0.340	0.335	0.341	-	-
	50%	0.1277	0.345	0.345	0.344	0.345	0.341	0.346	-	-
	99%	0.1277	0.347	0.348	0.349	0.347	0.346	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	103.130	102.528	102.528	102.228	100.724	102.528	307.0	614.0
	50%	0.1277	103.731	103.731	103.430	103.731	102.528	104.032	307.0	614.0
	99%	0.1277	104.332	104.633	104.934	104.332	104.032	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	0.274	0.273	0.273	0.272	0.268	0.273	0.815	1.63
	50%	0.1277	0.276	0.276	0.275	0.276	0.273	0.277	0.815	1.63
	99%	0.1277	0.278	0.278	0.279	0.278	0.277	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	0.321	0.333	0.322	0.327	0.332	0.333	-	-
	50%	0.1277	0.329	0.345	0.327	0.331	0.336	0.335	-	-
	99%	0.1277	0.337	0.349	0.331	0.335	0.342	0.343	-	-

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	96.515	100.123	96.816	98.319	99.822	100.123	307.0	614.0
	50%	0.1277	98.920	103.731	98.319	99.522	101.025	100.724	307.0	614.0
	99%	0.1277	101.326	104.934	99.522	100.724	102.829	103.130	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	0.257	0.266	0.258	0.262	0.266	0.266	0.815	1.63
	50%	0.1277	0.263	0.276	0.262	0.265	0.269	0.268	0.815	1.63
	99%	0.1277	0.270	0.279	0.265	0.268	0.274	0.274	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	0.315	0.317	0.320	0.314	0.316	0.315	-	-
	50%	0.1277	0.321	0.322	0.325	0.320	0.322	0.322	-	-
	99%	0.1277	0.327	0.328	0.327	0.326	0.328	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	94.711	95.312	96.214	94.410	95.012	94.711	307.0	614.0
	50%	0.1277	96.515	96.816	97.718	96.214	96.816	96.816	307.0	614.0
	99%	0.1277	98.319	98.620	98.319	98.018	98.620	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	0.252	0.254	0.256	0.251	0.253	0.252	0.815	1.63
	50%	0.1277	0.257	0.258	0.260	0.256	0.258	0.258	0.815	1.63
	99%	0.1277	0.262	0.262	0.262	0.261	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	0.302	0.307	0.310	0.311	0.309	0.308	-	-
	50%	0.1277	0.309	0.311	0.314	0.316	0.315	0.314	-	-
	99%	0.1277	0.311	0.316	0.317	0.321	0.318	0.319	-	-

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	90.802	92.306	93.208	93.508	92.907	92.606	307.0	614.0
	50%	0.1277	92.907	93.508	94.410	95.012	94.711	94.410	307.0	614.0
	99%	0.1277	93.508	95.012	95.312	96.515	95.613	95.914	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	0.242	0.246	0.248	0.249	0.247	0.246	0.815	1.63
	50%	0.1277	0.247	0.249	0.251	0.253	0.252	0.251	0.815	1.63
	99%	0.1277	0.249	0.253	0.254	0.257	0.254	0.255	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	0.281	0.283	0.284	0.281	0.283	0.281	-	-
	50%	0.1277	0.289	0.289	0.298	0.288	0.296	0.294	-	-
	99%	0.1277	0.307	0.302	0.306	0.299	0.304	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	84.488	85.090	85.390	84.488	85.090	84.488	307.0	614.0
	50%	0.1277	86.894	86.894	89.600	86.593	88.998	88.397	307.0	614.0
	99%	0.1277	92.306	90.802	92.005	89.900	91.404	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	0.225	0.226	0.227	0.225	0.226	0.225	0.815	1.63
	50%	0.1277	0.231	0.231	0.238	0.230	0.237	0.235	0.815	1.63
	99%	0.1277	0.246	0.242	0.245	0.239	0.243	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	0.264	0.263	0.261	0.260	0.258	0.263	-	-
	50%	0.1277	0.271	0.278	0.285	0.277	0.275	0.273	-	-
	99%	0.1277	0.291	0.299	0.294	0.297	0.294	0.295	-	-

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	79.377	79.076	78.475	78.174	77.573	79.076	307.0	614.0
	50%	0.1277	81.482	83.586	85.691	83.286	82.684	82.083	307.0	614.0
	99%	0.1277	87.495	89.900	88.397	89.299	88.397	88.698	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	0.211	0.210	0.209	0.208	0.206	0.210	0.815	1.63
	50%	0.1277	0.217	0.222	0.228	0.222	0.220	0.218	0.815	1.63
	99%	0.1277	0.233	0.239	0.235	0.238	0.235	0.236	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	0.242	0.240	0.241	0.239	0.239	0.240	-	-
	50%	0.1277	0.256	0.256	0.256	0.250	0.244	0.255	-	-
	99%	0.1277	0.272	0.262	0.267	0.259	0.250	0.262	-	-

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	72.762	72.161	72.461	71.860	71.860	72.161	307.0	614.0
	50%	0.1277	76.972	76.972	76.972	75.167	73.363	76.671	307.0	614.0
	99%	0.1277	81.782	78.776	80.279	77.874	75.167	78.776	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	0.194	0.192	0.193	0.191	0.191	0.192	0.815	1.63
	50%	0.1277	0.205	0.205	0.205	0.200	0.195	0.204	0.815	1.63
	99%	0.1277	0.218	0.210	0.214	0.207	0.200	0.210	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	0.214	0.219	0.218	0.208	0.215	0.212	-	-
	50%	0.1277	0.225	0.226	0.222	0.215	0.226	0.229	-	-
	99%	0.1277	0.233	0.236	0.232	0.238	0.240	0.238	-	-

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	64.343	65.847	65.546	62.539	64.644	63.742	307.0	614.0
	50%	0.1277	67.651	67.951	66.749	64.644	67.951	68.853	307.0	614.0
	99%	0.1277	70.056	70.958	69.755	71.559	72.161	71.559	307.0	614.0

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

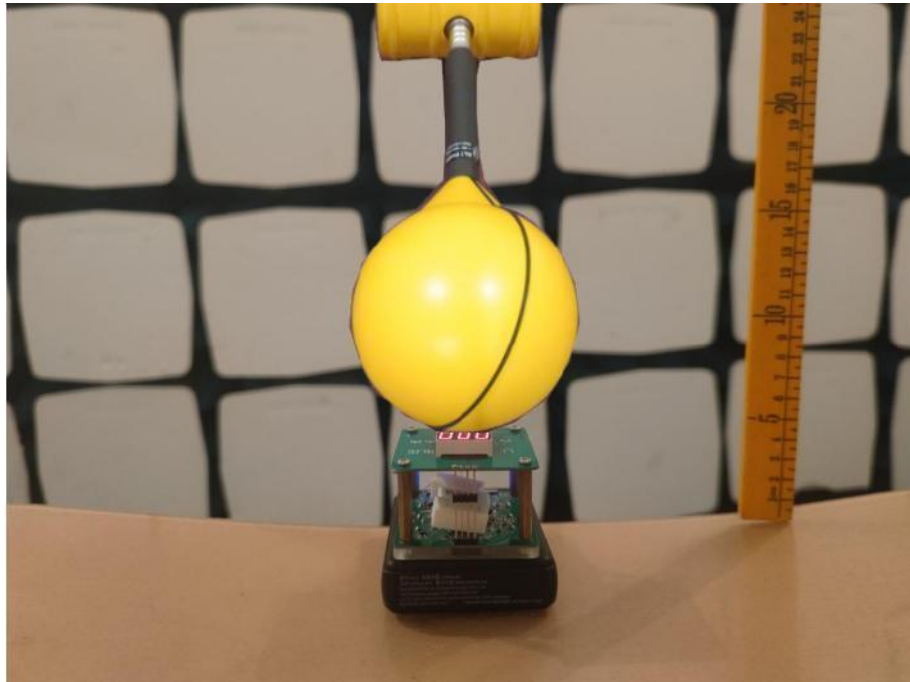
Charge Port	Charging Battery Level	Frequency Range (MHz)	Computed H-filed Strength Values (A/m)						FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E	Test Position F		
H1	1%	0.1277	0.171	0.175	0.174	0.166	0.172	0.170	0.815	1.63
	50%	0.1277	0.180	0.181	0.178	0.172	0.181	0.183	0.815	1.63
	99%	0.1277	0.186	0.189	0.186	0.190	0.192	0.190	0.815	1.63

Note:

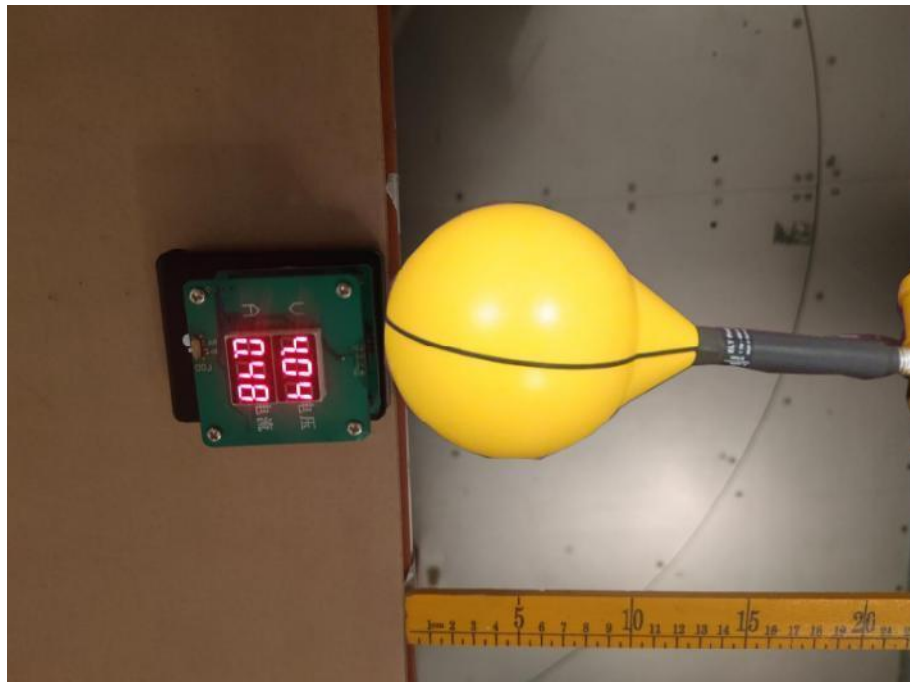
$$V/m = 10^{((dBuV/m) - 120)/20} = 10^{(((dBuA/m + 51.5) - 120)/20)} = 10^{((20 \lg(A/m * 10^6) + 51.5) - 120)/20}$$

$$A/m = uT / 1.25$$

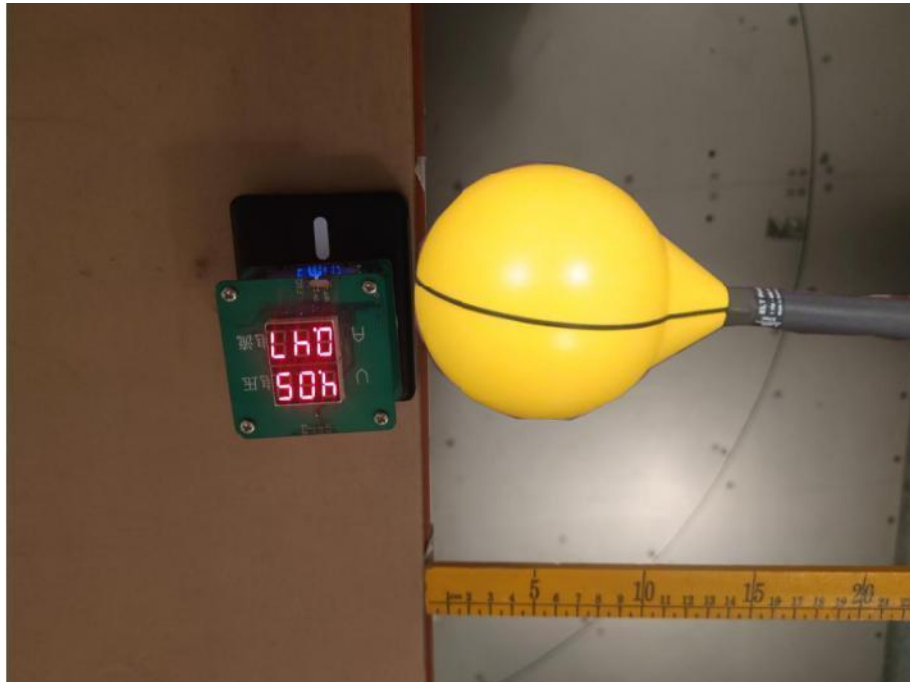
3. Test Setup Photos of the EUT



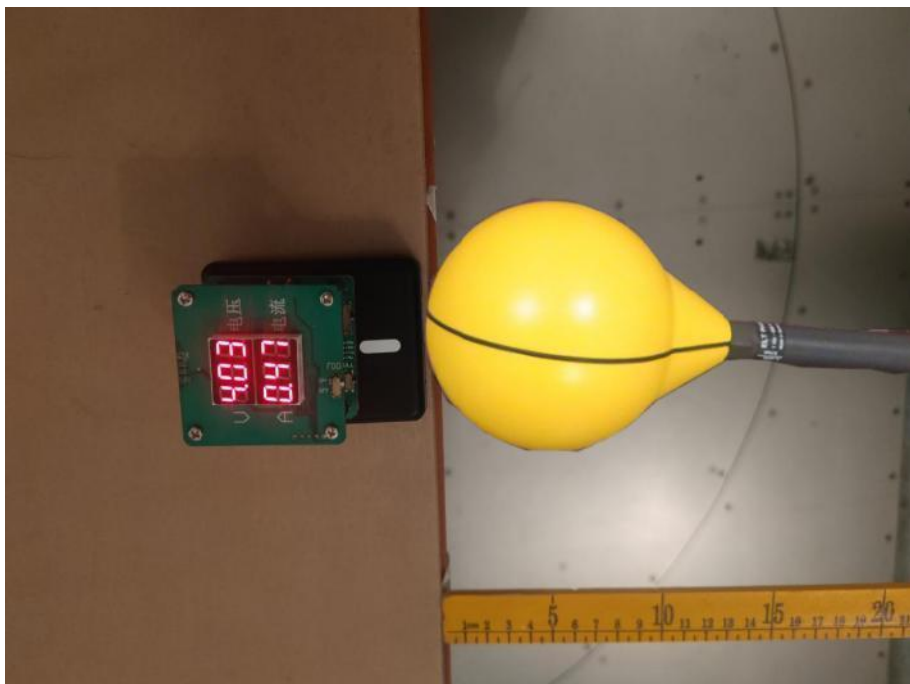
Test Position A - Exposure photo from top surface (TM1) - 0 cm



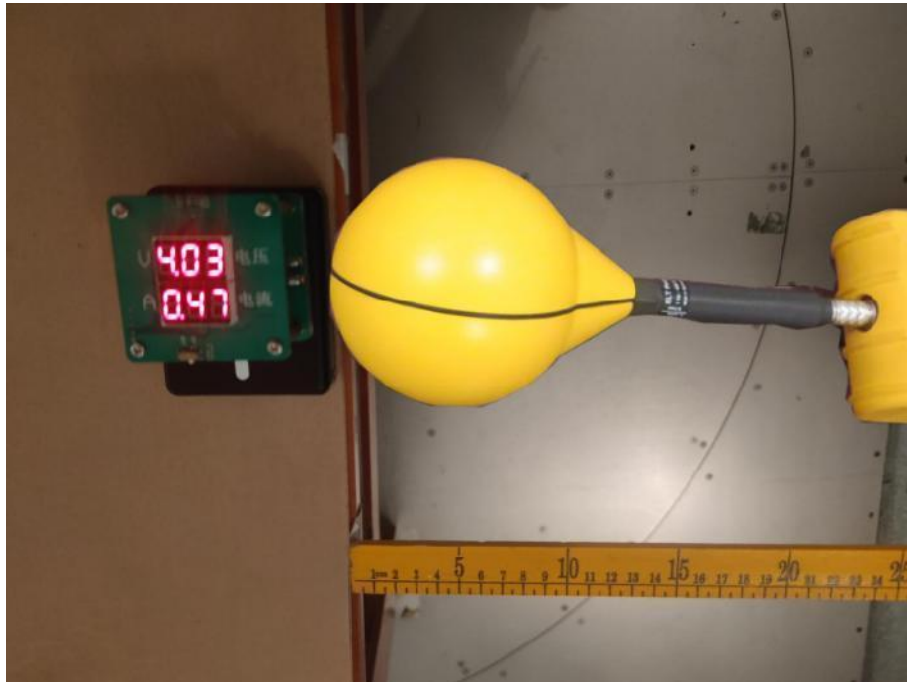
Test Position B - Exposure photo from side edge surface-Rear(TM1) - 0 cm



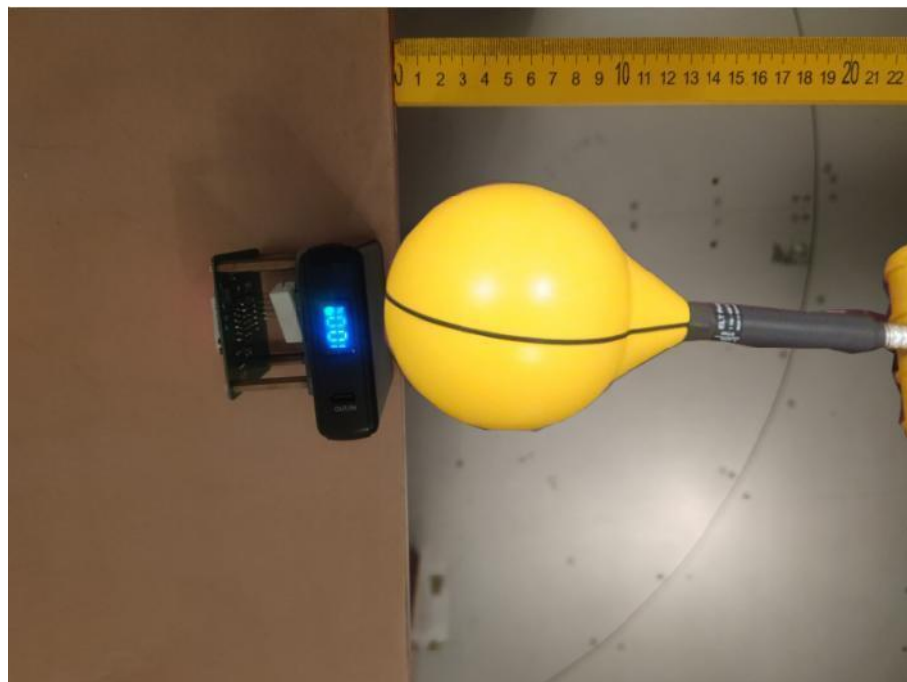
Test Position C - Exposure photo from side edge surface-Left(TM1) - 0 cm



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.....