



**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.**.....: **GTS20230629003-1-6**

**FCC ID**.....: **2BB3Y-S9**

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Date of issue.....: Jul.19, 2023

**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** .....: **Shenzhen Many Win-Win Technology Co., Ltd.**

Address .....: 202 Hengtai Business Building, No. 3 Tangkeng Junction East, Guantian Community, Shiyan Street, Baoan,Shenzhen, China

**Test specification** .....

Standard .....: FCC KDB 680106 D01

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**Test item description** .....: **3-IN-1-WIRELESS CHARGER**

Trade Mark .....: N/A

Manufacturer .....: Shenzhen Many Win-Win Technology Co., Ltd.

Model/Type reference.....: S9

List Model .....: S11

Modulation Type .....: ASK

Operation Frequency.....: 110-205KHz

Ratings .....: Input: DC 5.0V/3.0A, DC 9.0V/3.0A

Wireless Output 1: 5W/7.5W/10W/15W(Max)

Wireless Output 2: 5W

Wireless Output 3: 3W

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

**TEST REPORT**

<b>Test Report No. :</b>	<b>GTS20230629003-1-6</b>	Jul.19, 2023
		Date of issue

Equipment under Test : 3-IN-1-WIRELESS CHARGER

Model /Type : S9

Listed Models : S11

**Applicant** : **Shenzhen Many Win-Win Technology Co., Ltd.**

Address : 202 Hengtai Business Building, No. 3 Tangkeng Junction East,  
Guantian Community, Shiyan Street, Baoan,Shenzhen, China

**Manufacturer** : **Shenzhen Many Win-Win Technology Co., Ltd.**

Address : 202 Hengtai Business Building, No. 3 Tangkeng Junction East,  
Guantian Community, Shiyan Street, Baoan,Shenzhen, China

<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.08, 2023
Testing commenced on	:	Jul.08, 2023
Testing concluded on	:	Jul.18, 2023

## 1.2. Product Description

Product Name:	3-IN-1-WIRELESS CHARGER
Trade Mark:	N/A
Model/Type reference:	S9
List Model:	S11
Model Declaration	PCB board, structure and internal of these model(s) are the same, Only the model name and appearance different , So no additional models were tested.
Power supply:	Input: DC 5.0V/3.0A, DC 9.0V/3.0A Wireless Output 1: 5W/7.5W/10W/15W(Max) Wireless Output 2: 5W Wireless Output 3: 3W
Hardware Version	N/A
Software Version	N/A
WPT	
Frequency Range	110.0~205.0KHz
Modulation Type	ASK (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 9.0V

#### Description of the test mode

Operation Frequency each of channel	
Channel	Frequency
1	120.19KHz

Mode	AC mode
Mode 1	Wireless Charging 15W(Wireless Output 1)+ Wireless Charging 5W(Wireless Output 2) +Wireless Charging 3W(Wireless Output 3)
Mode 2	Wireless Charging 15W(Wireless Output 1)+ Wireless Charging 5W(Wireless Output 2)
Mode 3	Wireless Charging 15W(Wireless Output 1) +Wireless Charging 3W(Wireless Output 3)
Mode 4	Wireless Charging 5W(Wireless Output 2) +Wireless Charging 3W(Wireless Output 3)
Mode 5	Wireless Charging 5W(Wireless Output 2)
Mode 6	Wireless Charging 3W(Wireless Output 3)
Mode 7	Wireless Charging 5W(Wireless Output 1)
Mode 8	Wireless Charging 7.5W(Wireless Output 1)
Mode 9	Wireless Charging 10W(Wireless Output 1)
Mode 10	Wireless Charging 15W(Wireless Output 1)

Note :1.EUT has one Type-C port, The Type-C supports wireless charging in AC mode.

2. All the modes have been tested and recorded worst mode in the report(Mode 1).

3. All modes were tested for load states less than 1%, less than 50%, and less than 99%.

### 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 is 165725.

## 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 v04](#): 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.	Frequency Range	Calibrated Date	Calibrated Until
Magnetic Field Meter	NARDA	ELT-400	1 – 400kHz	Apr. 02, 2020	Apr. 01, 2021
E-Field Probe	NARDA	ELT-400	1 – 400kHz	Apr. 10, 2020	Apr. 09, 2021

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.

## 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

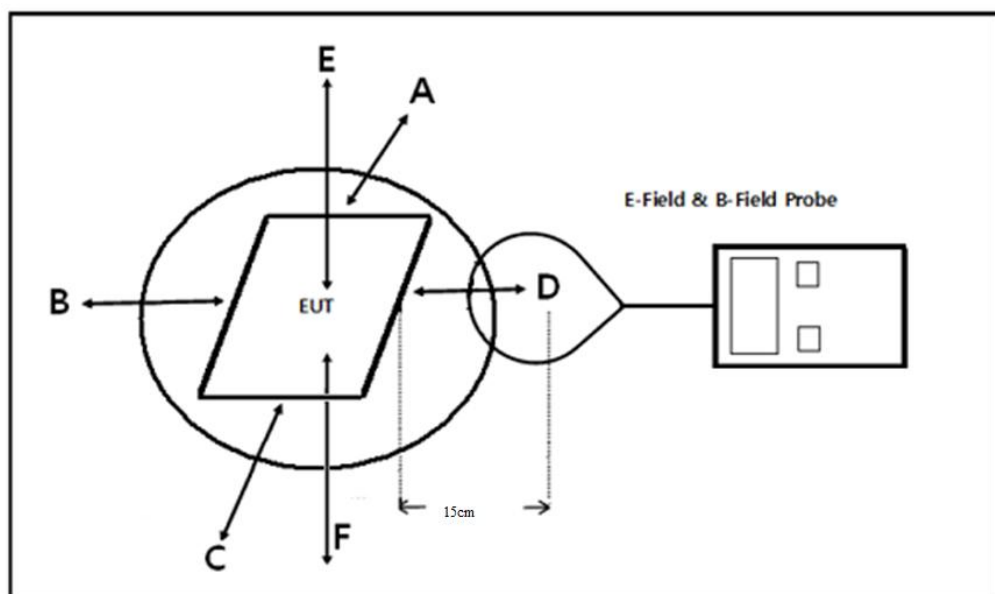
\*=Plane-wave equivalent power density

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 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 (=27.530MHz)	2.19/f (=0.07330MHz)	--

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

## 2.3. Test Setup Diagram



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.
- 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) were completed.
- e) The EUT were measured according to the dictates of KDB 680106D01v04.

## 2.5. Equipment Approval Considerations

The EUT does comply with item 5.2 of KDB 680106 D01v04 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 110.0 KHz - 205 KHz
Output power from each primary coil is less than or equal to 15 watts.	Yes	The maximum output power of the each primary coil is 15W.
The system may consist of more than one source primary coils, charging one or more clients. If more than one primary coil is present, the coil pairs may be powered on at the same time.	Yes	The transfer system includes three primary coils and clients that are able to detect and allow coupling three of coils.
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 anywhere at or beyond 15 cm surrounding the device, and 20 cm away from the surface from all coils that by design can simultaneously transmit, and while those coils are simultaneously energized, are demonstrated to be less than 50% of the applicable 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 Output 1)

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

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

B1: Magnetic flux of wireless charge port 1 (Wireless Output 2)

E2: Filed Strength of wireless charge port 1 (Wireless Output 2)

H2: Magnetic field strength of wireless charge port 1 (Wireless Output 2)

B1: Magnetic flux of wireless charge port 1 (Wireless Output 3)

E3: Filed Strength of wireless charge port 1 (Wireless Output 3)

H3: Magnetic field strength of wireless charge port 1 (Wireless Output 3)

## 2.7. Test Results

The three charge ports are same for rated power, tested at charge together and measure each five points;  
Test mode: Normal Operation (Charging mode)

B-filed Strength at 15 cm from the edges surrounding the EUT and 15 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		
B1	1%	0.12019	0.501	0.489	0.483	0.491	0.498	-	-
	50%	0.12019	0.490	0.501	0.500	0.499	0.498	-	-
	99%	0.12019	0.485	0.492	0.501	0.496	0.489	-	-
B2	1%	0.12019	0.484	0.500	0.493	0.494	0.493	-	-
	50%	0.12019	0.496	0.496	0.500	0.489	0.500	-	-
	99%	0.12019	0.500	0.491	0.495	0.489	0.488	-	-
B3	1%	0.12019	0.500	0.499	0.488	0.490	0.497	-	-
	50%	0.12019	0.489	0.497	0.484	0.499	0.501	-	-
	99%	0.12019	0.485	0.494	0.492	0.489	0.494	-	-

E-Filed Strength at 15 cm from the edges surrounding the EUT and 15 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
E1	1%	0.12019	150.765	146.902	145.112	147.622	149.676	307.0	614.0
	50%	0.12019	147.242	150.727	150.217	150.078	149.859	307.0	614.0
	99%	0.12019	145.721	148.009	150.767	149.072	146.975	307.0	614.0
E2	1%	0.12019	145.383	150.313	148.190	148.634	148.282	307.0	614.0
	50%	0.12019	149.243	149.159	150.452	147.142	150.298	307.0	614.0
	99%	0.12019	150.252	147.731	148.711	147.158	146.862	307.0	614.0
E3	1%	0.12019	150.416	149.984	146.750	147.208	149.402	307.0	614.0
	50%	0.12019	147.029	149.382	145.672	150.096	150.773	307.0	614.0
	99%	0.12019	145.709	148.579	147.970	147.049	148.571	307.0	614.0

H-Filed Strength at 15 cm from the edges surrounding the EUT and 15 cm above the top surface

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
H1	1%	0.12019	0.401	0.391	0.386	0.393	0.398	0.815	1.63
	50%	0.12019	0.392	0.401	0.400	0.399	0.399	0.815	1.63
	99%	0.12019	0.388	0.394	0.401	0.397	0.391	0.815	1.63
H2	1%	0.12019	0.387	0.400	0.394	0.395	0.395	0.815	1.63
	50%	0.12019	0.397	0.397	0.400	0.392	0.400	0.815	1.63
	99%	0.12019	0.400	0.393	0.396	0.392	0.391	0.815	1.63
H3	1%	0.12019	0.400	0.399	0.390	0.392	0.398	0.815	1.63
	50%	0.12019	0.391	0.397	0.388	0.399	0.401	0.815	1.63
	99%	0.12019	0.388	0.395	0.394	0.391	0.395	0.815	1.63

## B-filed Strength at 20cm from the top surface of the EUT

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 E		
B1	1%	0.12019	0.444	-	-
	50%	0.12019	0.444	-	-
	99%	0.12019	0.441	-	-
B2	1%	0.12019	0.448	-	-
	50%	0.12019	0.444	-	-
	99%	0.12019	0.451	-	-
B3	1%	0.12019	0.433	-	-
	50%	0.12019	0.448	-	-
	99%	0.12019	0.437	-	-

## E-Filed Strength at 20cm from the top surface of the EUT

Charge Port	Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)	FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
			Test Position E		
E1	1%	0.12019	133.488	307.0	614.0
	50%	0.12019	133.369	307.0	614.0
	99%	0.12019	132.676	307.0	614.0
E2	1%	0.12019	134.850	307.0	614.0
	50%	0.12019	133.609	307.0	614.0
	99%	0.12019	135.613	307.0	614.0
E3	1%	0.12019	130.068	307.0	614.0
	50%	0.12019	134.605	307.0	614.0
	99%	0.12019	131.431	307.0	614.0

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

Charge Port	Charging Battery Level	Frequency Range (MHz)	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		
H1	1%	0.12019	0.355	0.815	1.63
	50%	0.12019	0.355	0.815	1.63
	99%	0.12019	0.353	0.815	1.63
H2	1%	0.12019	0.359	0.815	1.63
	50%	0.12019	0.355	0.815	1.63
	99%	0.12019	0.361	0.815	1.63
H3	1%	0.12019	0.346	0.815	1.63
	50%	0.12019	0.358	0.815	1.63
	99%	0.12019	0.350	0.815	1.63

Note:

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

$$A/m = uT/1.25$$

## 2.8. Simultaneous E-Filed Strength and H-Filed Strength

KDB 447498 points for simultaneous transmission on far-filed measurement, while for below 30 MHz usually measured at near-filed. KDB680106 require aggregate leakage fields at 15 cm surrounding the device from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit; KDB680106 can accept 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.

Test labs suggest use Computational modelling to calculate Nerve Stimulation BRs;

Computational modelling, such as finite-difference time-domain (FDTD) may be used to demonstrate compliance with FCC § 1.1310 limits requirement,

Basic Calculations - The following calculations may be used to evaluate systems without consideration for the effects of phase resulting from multiple frequency and/or multiple antennas co-located in the measurement space, which may overestimate the actual result. If the result exceeds the limits, the advanced calculations described in follows may be used.

$$E_{AVG} = \frac{1}{n} \sum_{i=1}^n (E_{MaxRMS})_i$$

Where:

E-field measurements

$E_{AVG}$  = Spatial average

$E_{MaxRMS}$  = E-field at a measurement point

N = Number of spatially averaged points

And

$$H_{AVG} = \frac{1}{n} \sum_{i=1}^n (H_{MaxRMS})_i$$

Where:

H-field levels of magnetic field strength

$H_{AVG}$  = Spatial average

$H_{MaxRMS}$  = H-field at a measurement point

N = Number of spatially averaged points

E-Filed Strength at 15 cm from the edges surrounding the EUT and 15 cm above the top surface

Spatial Average	Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)					FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
$E_{AVG}$	1%	0.12019	148.85	149.07	146.68	147.82	149.12	307.0	614.0
	50%	0.12019	147.84	149.76	148.78	149.11	150.31	307.0	614.0
	99%	0.12019	147.23	148.11	149.15	147.76	147.47	307.0	614.0

H-Filed Strength at 15 cm from the edges surrounding the EUT and 15 cm above the top surface

Spatial Average	Charging Battery Level	Frequency Range (MHz)	Measured H-Field Strength Values (A/m)					FCC H-Field Strength 50% Limits (A/m)	FCC H-Field Strength Limits (A/m)
			Test Position A	Test Position B	Test Position C	Test Position D	Test Position E		
$H_{AVG}$	1%	0.12019	0.40	0.40	0.39	0.39	0.40	0.815	1.63
	50%	0.12019	0.39	0.40	0.40	0.40	0.40	0.815	1.63
	99%	0.12019	0.39	0.39	0.40	0.39	0.39	0.815	1.63

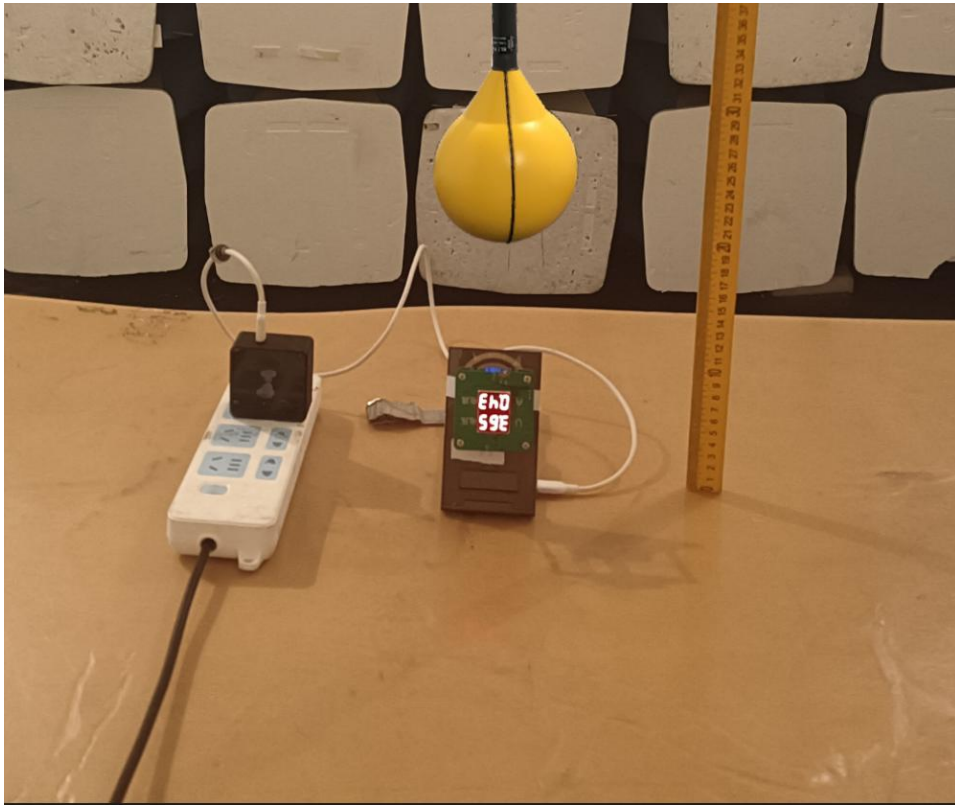
## E-Filed Strength at 20cm from the top surface of the EUT

Spatial Average	Charging Battery Level	Frequency Range (MHz)	Measured E-Field Strength Values (V/m)	FCC E-Field Strength 50% Limits (V/m)	FCC E-Field Strength Limits (V/m)
			Test Position E		
E <sub>AVG</sub>	1%	0.12019	132.80	307.0	614.0
	50%	0.12019	133.86	307.0	614.0
	99%	0.12019	133.24	307.0	614.0

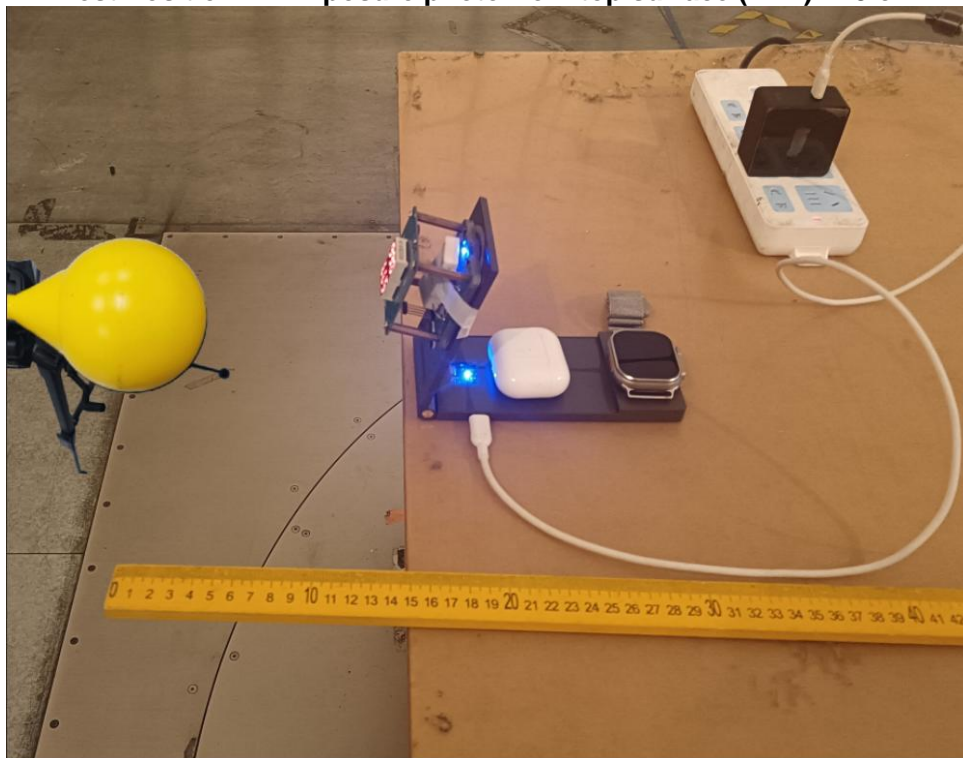
## H-Field Strength at 20cm from the top surface of the EUT

Charge Port	Charging Battery Level	Frequency Range (MHz)	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		
H <sub>AVG</sub>	1%	0.12019	0.35	0.815	1.63
	50%	0.12019	0.36	0.815	1.63
	99%	0.12019	0.35	0.815	1.63

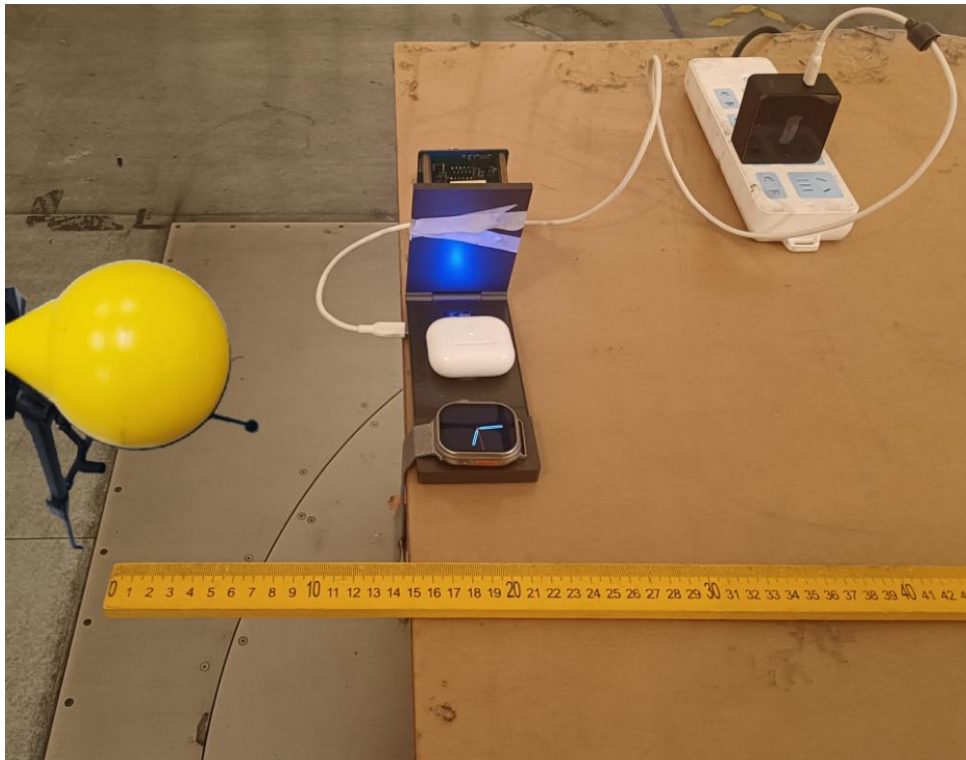
### 3. Test Setup Photos of the EUT



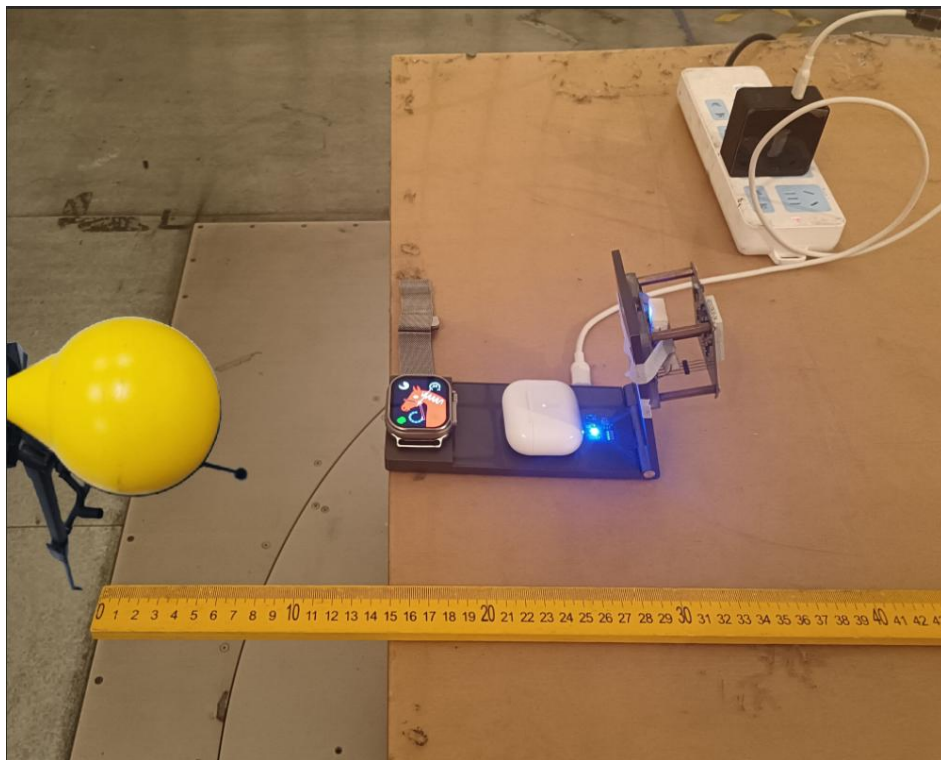
Test Position A - Exposure photo from top surface (TM1) - 15 cm



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

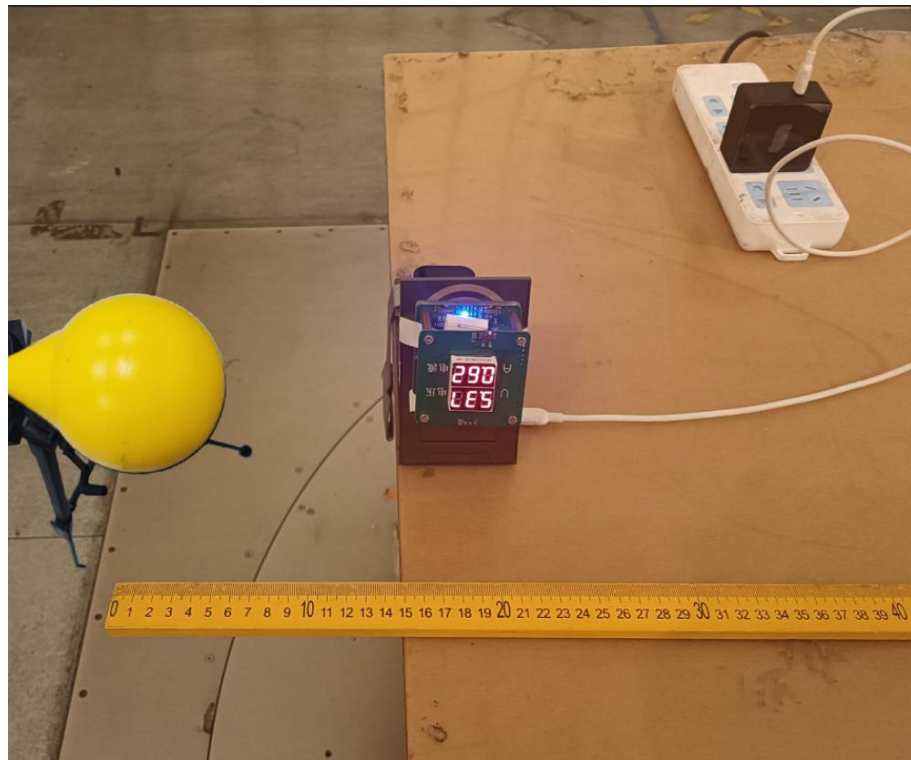


**Test Position C - Exposure photo from side edge surface-Left(TM1) - 15 cm**



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





Test Position E - Exposure photo from side edge surface-Right(TM1) - 15 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 smart phone. 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.....**