



# FCC TEST REPORT

For

Jiangxi YLW Technology Co., Limited

Game Console with Charger

Test Model: PB05

Additional Model No.: Please Refer to Page 7

Prepared for : Jiangxi YLW Technology Co., Limited  
Address : Building 1, Jinsu Industrial Park, Yihuang Industrial Zone, Fuzhou City, Jiangxi Province

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.  
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Date of receipt of test sample : November 22, 2024  
Number of tested samples : 2  
Sample No. : A241122060-1, A241122060-2  
Date of Test : November 22, 2024 ~ November 28, 2024  
Date of Report : November 29, 2024



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| FCC TEST REPORT<br>KDB 680106 D01 Wireless Power Transfer v04                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Report Reference No. ....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LCSA11224014EB                                                                                                                                                                                                 |
| Date of Issue.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | November 29, 2024                                                                                                                                                                                              |
| Testing Laboratory Name.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Shenzhen LCS Compliance Testing Laboratory Ltd.                                                                                                                                                                |
| Address.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Shajing Street,<br>Baoan District, Shenzhen, China                                                                                                          |
| Testing Location/ Procedure.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Full application of Harmonised standards <input checked="" type="checkbox"/><br>Partial application of Harmonised standards <input type="checkbox"/><br>Other standard testing method <input type="checkbox"/> |
| Applicant's Name.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Jiangxi YLW Technology Co., Limited                                                                                                                                                                            |
| Address.....                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Building 1, Jinsu Industrial Park, Yihuang Industrial Zone, Fuzhou<br>City, Jiangxi Province                                                                                                                   |
| <b>Test Specification</b><br>Standard..... : FCC CFR 47 PART 1, § 1.1310<br>KDB 680106 D01 Wireless Power Transfer v04<br><b>Test Report Form No.....</b> : LCSEMC-1.0<br>TRF Originator..... : Shenzhen LCS Compliance Testing Laboratory Ltd.<br>Master TRF..... : Dated 2023-12                                                                                                                                                                                                                                            |                                                                                                                                                                                                                |
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| <b>EUT Description.....</b> : Game Console with Charger<br>Trade Mark..... : N/A<br>Test Model..... : PB05<br>Ratings..... : Please Refer to Page 7<br>Result ..... : Positive                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                |

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**FCC -- TEST REPORT**

|                          |                       |                                           |
|--------------------------|-----------------------|-------------------------------------------|
| <b>Test Report No. :</b> | <b>LCSA11224014EB</b> | <u>November 29, 2024</u><br>Date of issue |
|--------------------------|-----------------------|-------------------------------------------|

|                          |                                                                                             |
|--------------------------|---------------------------------------------------------------------------------------------|
| Test Model.....          | : PB05                                                                                      |
| EUT.....                 | : Game Console with Charger                                                                 |
| <b>Applicant.....</b>    | <b>: Jiangxi YLW Technology Co., Limited</b>                                                |
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| Telephone.....           | :                                                                                           |
| Fax.....                 | :                                                                                           |
| <b>Manufacturer.....</b> | <b>: Jiangxi YLW Technology Co., Limited</b>                                                |
| Address.....             | : Building 1, Jinsu Industrial Park, Yihuang Industrial Zone, Fuzhou City, Jiangxi Province |
| Telephone.....           | :                                                                                           |
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| <b>Factory.....</b>      | <b>: Jiangxi YLW Technology Co., Limited</b>                                                |
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| Telephone.....           | :                                                                                           |
| Fax.....                 | :                                                                                           |

|                    |                 |
|--------------------|-----------------|
| <b>Test Result</b> | <b>Positive</b> |
|--------------------|-----------------|

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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### Revision History

| Revision | Issue Date        | Revisions     | Revised By |
|----------|-------------------|---------------|------------|
| 000      | November 29, 2024 | Initial Issue | --         |
|          |                   |               |            |
|          |                   |               |            |

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## 1. GENERAL INFORMATION

### 1.1. Description of Device (EUT)

|                      |                                                                                                                                                                                                                                                                             |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT                  | : Game Console with Charger                                                                                                                                                                                                                                                 |
| Test Model           | : PB05                                                                                                                                                                                                                                                                      |
| Additional Model No. | : ANS10, ANS11, ANS12, ANS13, ANS14, GC84, GC85, GC86, GC87, GC88                                                                                                                                                                                                           |
| Model Declaration    | : PCB board, structure and internal of these model(s) are the same, So no additional models were tested                                                                                                                                                                     |
| Ratings              | : Input: 5V $\equiv$ 3A, 9V $\equiv$ 2.2A, 12V $\equiv$ 1.67A<br>Output: 5V $\equiv$ 2.4A, 9V $\equiv$ 2.2A, 12V $\equiv$ 1.67A<br>Total Output: (USB-A+USB-C+Wireless):<br>5V $\equiv$ 1A+5V $\equiv$ 1.6A+5W<br>Wireless output: 15W(max)<br>Battery: 3.7V 5000mAh 18.5Wh |
| Hardware Version     | : V1.2                                                                                                                                                                                                                                                                      |
| Software Version     | : V1.1                                                                                                                                                                                                                                                                      |
| Wireless Charging    | :                                                                                                                                                                                                                                                                           |
| Operating Frequency  | : 110.0~205.0KHz                                                                                                                                                                                                                                                            |
| Modulation Type      | : ASK                                                                                                                                                                                                                                                                       |
| Antenna Type         | : Coil Antenna                                                                                                                                                                                                                                                              |

### 1.2. Support equipment List

| Manufacturer                             | Description      | Model          | Serial Number        | Certificate |
|------------------------------------------|------------------|----------------|----------------------|-------------|
| HONOR                                    | phone            | V30Pro         | 66B0219C25<br>014679 | FCC         |
| SHENZHEN TIANYIN<br>ELECTRONICS CO., LTD | Power<br>Adapter | TPA-46050200UU | ---                  | FCC         |

Note: Auxiliary equipment is provided by the laboratory.

### 1.3 External I/O Cable

| I/O Port Description | Quantity | Cable |
|----------------------|----------|-------|
| Type-C Port          | 1        | N/A   |
| USB port             | 1        | N/A   |

### 1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.



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## 1.5. Test Equipment

| Equipment             | Manufacturer | Model              | Serial no. | Calibrated date | Calibrated Due |
|-----------------------|--------------|--------------------|------------|-----------------|----------------|
| Exposure Level Tester | Narda        | ELT-400            | N-0713     | 2024-11-11      | 2025-11-10     |
| B-Field Probe         | Narda        | 100cm <sup>2</sup> | M-1154     | 2024-10-08      | 2025-10-07     |

Exposure Level Tester ELT-400 detailed parameters are as follows:

| Common parameter              |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| Operating temperature         | -10 °C ~ +50 °C                                                  |
| Operation humidity            | < 95 % (30 °C) or < 29 g/m <sup>3</sup>                          |
| Weight                        | 910 g                                                            |
| Size                          | 180 mm x 100 mm x 55 mm(Main engine) / 290 mm x 125 mm Ø (Probe) |
| Display                       | LCD backlit display, 4 refresh rates per second                  |
| Battery                       | Nimh battery (4 x Mignon, AA), rechargeable                      |
| Operating time, typical       | 12 h                                                             |
| Power supply                  | 100 ~240 V AC / 47 ~ 63 Hz                                       |
| Charging time, typical        | 2 hours                                                          |
| Recommended calibration cycle | 24 months                                                        |
| Country of origin             | Germany                                                          |

## 1.6. Measurement Uncertainty

| Test Item                  | Frequency Range | Uncertainty | Note |
|----------------------------|-----------------|-------------|------|
| Field Strength Uncertainty | 1Hz~400KHz      | 1%          | (1)  |

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

## 1.7. Description of Test Modes

Equipment under test was operated during the measurement under the following conditions:

☒ Charging and communication mode

| Test Modes                                                                                                               |                                                                  |            |
|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|------------|
| Mode 1                                                                                                                   | AC/DC Adapter(5V/3A)+EUT+mobile phone (Battery Status: <1%)      | Record     |
| Mode 2                                                                                                                   | AC/DC Adapter(5V/3A)+EUT+mobile phone (Battery Status: <50%)     | Record     |
| Mode 3                                                                                                                   | AC/DC Adapter(5V/3A)+EUT+mobile phone (Battery Status: 100%)     | Record     |
| Mode 4                                                                                                                   | AC/DC Adapter(9V/2.22A)+EUT+mobile phone (Battery Status: <1%)   | Pre-tested |
| Mode 5                                                                                                                   | AC/DC Adapter(9V/2.22A)+EUT+mobile phone (Battery Status: <50%)  | Pre-tested |
| Mode 6                                                                                                                   | AC/DC Adapter(9V/2.22A)+EUT+mobile phone (Battery Status: 100%)  | Pre-tested |
| Mode 7                                                                                                                   | AC/DC Adapter(12V/1.67A)+EUT+mobile phone (Battery Status: <1%)  | Pre-tested |
| Mode 8                                                                                                                   | AC/DC Adapter(12V/1.67A)+EUT+mobile phone (Battery Status: <50%) | Pre-tested |
| Mode 9                                                                                                                   | AC/DC Adapter(12V/1.67A)+EUT+mobile phone (Battery Status: 100%) | Pre-tested |
| Note: All test modes were pre-tested for ac and dc mode, but we only recorded the worst case in this report for ac mode. |                                                                  |            |



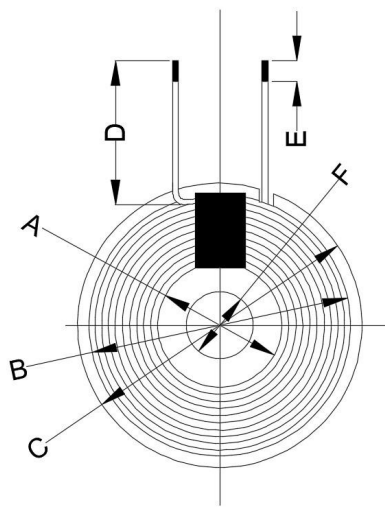




### 1.8. Coil Description

| Config. | Mode                                                                                | Descriptions                                                                                                                                           |
|---------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Standby (Flatbed Position) @134kHz                                                  | EUT Alone powered by AC/DC adapter                                                                                                                     |
| 2       | Operating (Flatbed Position) (Phone @134kHz, ~10%, 20~50%, and >75% Power Charging) | EUT with lightning to AC/DC Adapter & Wireless Charging to WPT Client.<br>15W: Direct Contact<br>15W: 2mm Airgap, 2mm Shift Top as Worst-Case Position |

### 1.9. Coil Size



(Unit: mm)

|   |          |
|---|----------|
| A | 20.5±0.5 |
| B | 39±2     |
| C | 42MAX    |
| D | 50±2     |
| E | 3±1      |
| F | 5.3±0.5  |
| G | 0.6±0.5  |
| H | 1.0MAX   |
|   |          |
|   |          |
|   |          |
|   |          |
|   |          |

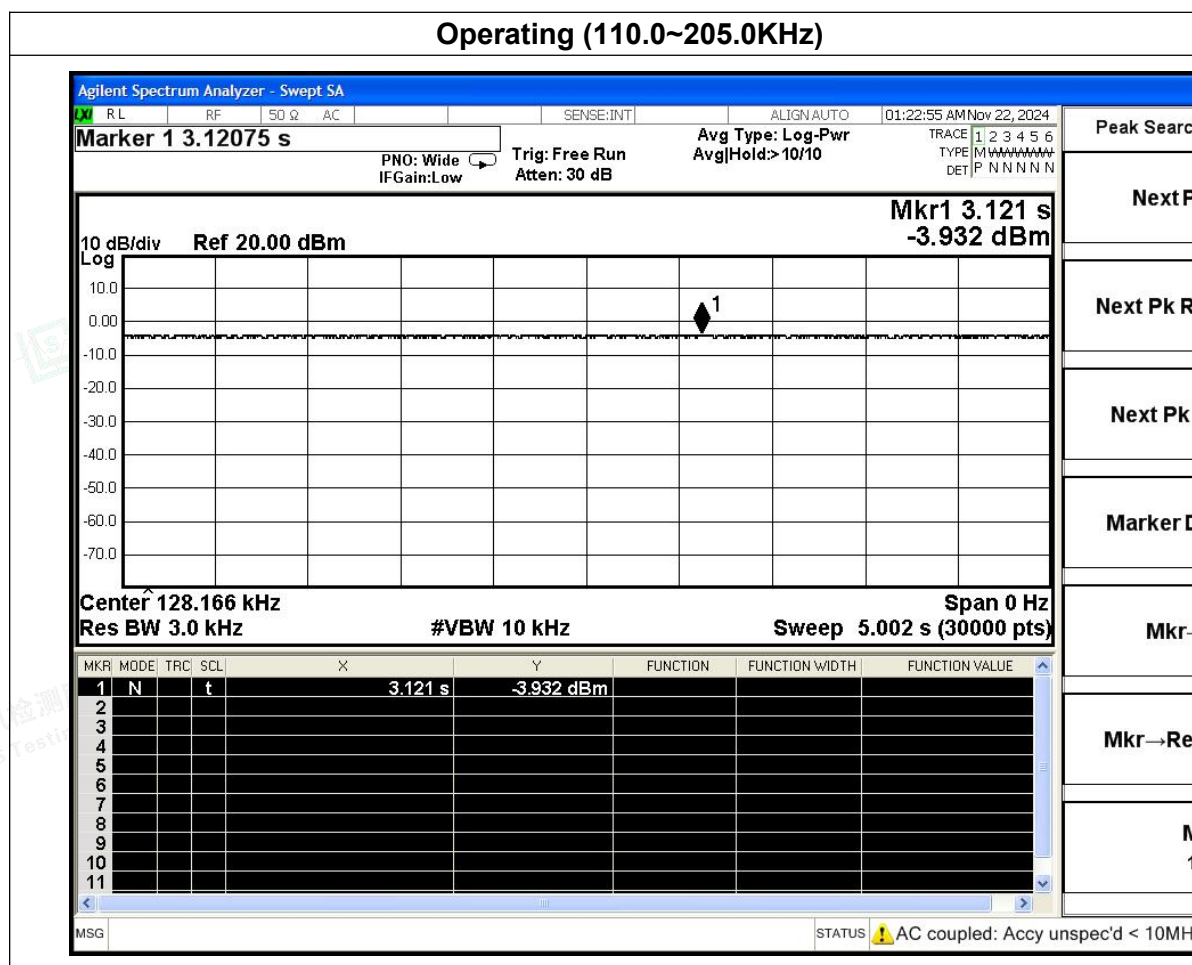
### 1.10. Coil Specifications

| Item                      | Parameter                          |
|---------------------------|------------------------------------|
| Input inductance:         | Transmitter 1: 6.5 $\mu$ H±10%     |
| Material of enclosure(s): | Multiple strands of enamelled wire |
| Number of turns:          | Transmitter 1: 10 turns            |





| Mode                     | ON Time (ms) | Period (ms) | Duty Cycle (%) |
|--------------------------|--------------|-------------|----------------|
| Operating (110.0-205kHz) | /            | /           | 100            |



## 2.1. Reference Evaluation Method

April 2024 TCBC Workshop: Part 18 Wireless Power Transfer Devices: Clarifications on KDB 680106v04 and ECR Processes



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## 2.2. Limit

§1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in §1.1307(b), except in the case of portable devices which shall be evaluated according to the provisions of FCC part 2.1093 of this chapter.

**Table 1 to §1.1310(e)(1) - Limits for Maximum Permissible Exposure (MPE)**

| Frequency range (MHz)                                    | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (i) Limits for Occupational/Controlled Exposure          |                               |                               |                                     |                          |
| <b>0.3-3.0</b>                                           | <b>614</b>                    | <b>1.63</b>                   | <b>*(100)</b>                       | <b>≤6</b>                |
| <b>3.0-30</b>                                            | <b>1842/f</b>                 | <b>4.89/f</b>                 | <b>*(900/f<sup>2</sup>)</b>         | <b>&lt;6</b>             |
| <b>30-300</b>                                            | <b>61.4</b>                   | <b>0.163</b>                  | <b>1.0</b>                          | <b>&lt;6</b>             |
| <b>300-1500</b>                                          | <b>/</b>                      | <b>/</b>                      | <b>f/300</b>                        | <b>&lt;6</b>             |
| <b>1500-100000</b>                                       | <b>/</b>                      | <b>/</b>                      | <b>5</b>                            | <b>&lt;6</b>             |
| (ii) 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                      |
| 300-1500                                                 | /                             | /                             | f/1500                              | <30                      |
| 1500-100000                                              | /                             | /                             | 1.0                                 | <30                      |

f = frequency in MHz

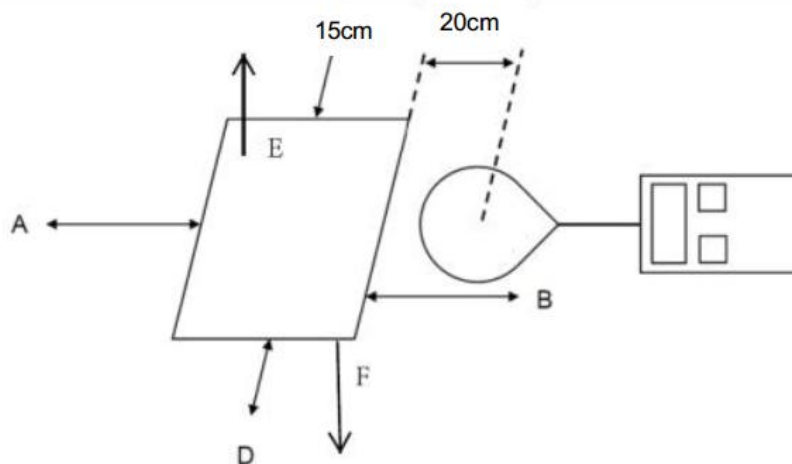
\* = Plane-wave equivalent power density

Note 1: Occupational/controlled exposure limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure.

Note 2: General population/uncontrolled exposure limits apply in situations in which the general public may be exposed, or in which persons who are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

## 2.3. Test Setup Diagram

### Mobile Exposure Conditions

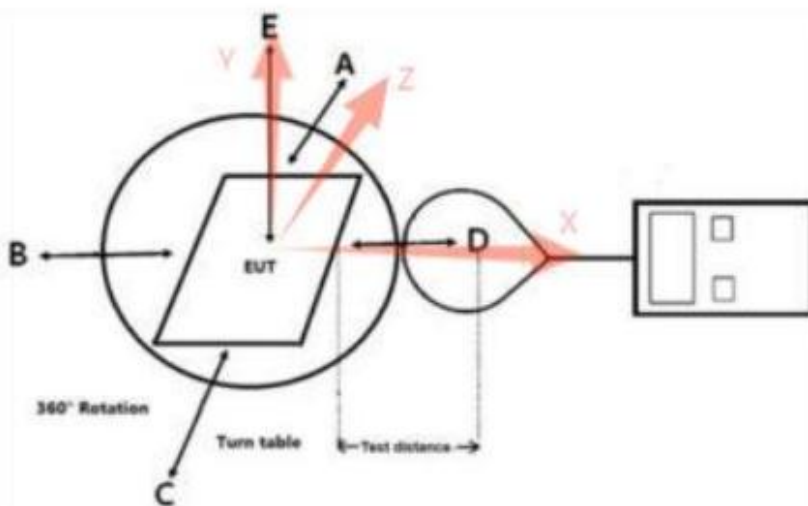


Note: The distance of the points A/B/C/D is 15cm, and the point E is 20cm.

### Portable Exposure Conditions:



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Note: The distance of the points A/B/C/D/E/F is 0,2,4,6,8,10,12,14,16,18, 20cm.

The values tested by the probe are X, Y, and Z on three axes perpendicular to the edge of the device. Top and bottom side coincident with the axis(Y) of the main coil.

## 2.4. Measurement Procedure

## Mobile Exposure Conditions

- The RF exposure test was performed in anechoic chamber.
- E and H-field measurements should be made with the center of the probe at 15 cm surrounding the EUT and 20 cm above the top surface of the primary/client pair.
- The highest emission level was recorded and compared with limit.
- The EUT was measured according to the KDB 680106 D01 Wireless Power Transfer v04.

## Portable Exposure Conditions

- a. The RF exposure test was performed in anechoic chamber.
- b. Perform H-field measurements for each edge/top surface of the host/client pair at every 2 cm, starting from as close as possible out to 20 cm
- c. The highest emission level was recorded and compared with limit.
- d. The EUT was measured according to the KDB 680106 D01 Wireless Power Transfer v04.

## 2.5. Equipment Approval Considerations of KDB 680106 D01v04

| Requirements of KDB 680106 D01                                                                                                                                                                              | Yes / No | Description                                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------------------------------------------------------------------------------|
| Power transfer frequency is less than 1 MHz                                                                                                                                                                 | Yes      | The device operates in the frequency range 110 KHz-205KHz                      |
| The output power from each transmitting element (e.g., coil) is less than or equal to 15 watts.                                                                                                             | Yes      | The maximum output power of each primary coil is 15W.                          |
| A client device providing the maximum permitted load is placed in physical contact with the transmitter (i.e., the surfaces of the transmitter and client device enclosures need to be in physical contact) | Yes      | Client device is placed directly in contact with the transmitter.              |
| Only § 2.1091- Mobile exposure conditions apply (i.e., this provision does not cover § 2.1093-Portable exposure conditions).                                                                                | No       | Mixed mobile and portable exposure conditions                                  |
| The E-field and H-field strengths, at and beyond 20 cm surrounding the device surface, are                                                                                                                  | Yes      | The E-field and H-field strengths from all simultaneous transmitting coils are |



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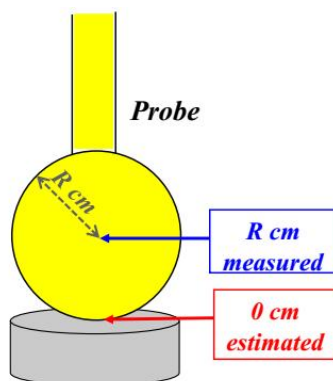
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |     |                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------|
| demonstrated to be less than 50% of the applicable MPE limit, per KDB 447498, Table 1. These measurements shall be taken along the principal axes of the device, with one axis oriented along the direction of the estimated maximum field strength, and for three points per axis or until a 1/d (inverse distance from the emitter structure) field strength decay is observed. Symmetry considerations may be used for test reduction purposes. The device shall be operated in documented worst-case compliance scenarios (i.e., the ones that lead to the maximum field components), and while all the radiating structures (e.g., coils or antennas) that by design can simultaneously transmit are energized at their nominal maximum power. |     | demonstrated to be less than 50% of the MPE limit.              |
| For systems with more than one radiating structure, the conditions specified in (5) must be met when the system is fully loaded (i.e., clients absorbing maximum power available), and with all the radiating structures operating at maximum power at the same time, as per design conditions. If the design allows one or more radiating structures to be powered at a higher level while other radiating structures are not powered, then those cases must be tested as well. For instance, a device may use three RF coils powered at 5 W, or one coil powered at 15 W: in this case, both scenarios shall be tested                                                                                                                            | Yes | Only one radiating structure and tested at maximum Output Power |

### 3. TEST RESULTS

#### For portable exposure condition

- (1). The portable test modes have covered the considerations of the mobile test, only record the test data of the portable conditions in this report.
- (2) Operating modes with client device (1 %, 50%, 99% battery status of client device) have been test, only show the data of worst case of 1% battery status of client device.
- (3) Test performed with all the radiating structures operating at maximum power at the same time.
- (4) E-Filed and H-field measurements are taken along all three axes the device from 0cm~20cm in 2cm minimum increment for each edge surface of the host/client pair. If the center of the probe sensing element is more than 5mm from the probe outer edge, the field strengths need to be estimated for the positions that are not reachable.
- (5) Validation of Field Estimates
  - (a) If R is the probe radius and the probe tip is in contact with the coil, then the probe center is R cm from the coil surface as bellowing picture



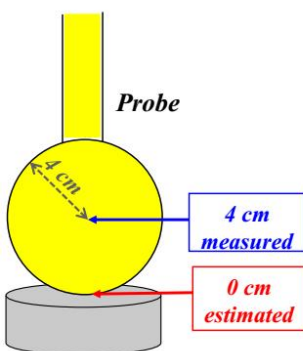


- (b) The probe then is measuring the field correctly at  $R$  cm from the surface, and only estimating the field at the 0 cm point of contact with the coil surface.
- (c) The validation requires showing that the model used to estimate the field provides data within 30% accuracy for at least the two, 2-cm-spaced closest points to where the estimates were made.
- (d) If there is only one estimated value, then a single validation point is sufficient.
- (e) Validation Example for 4 cm Probe Radius as following

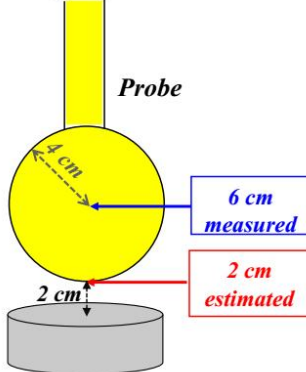
Step 1

### Validation Example for 4 cm Probe Radius

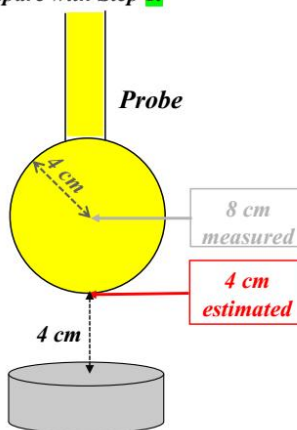
1. Measure the field at 4 cm (closest position)



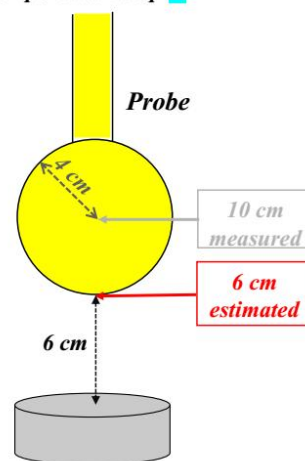
2. Position the probe 2 cm from the DUT. Measure the field at 6 cm (probe calibration point)



3. Position the probe 4 cm from the DUT. Estimate the field at 4 cm. Compare with Step 1



4. Position the probe 6 cm from the DUT. Estimate the field at 6 cm. Compare with Step 2



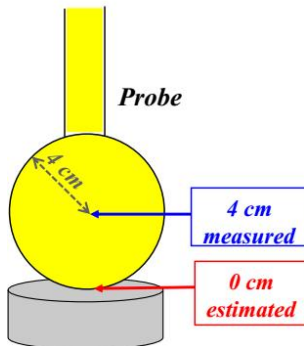
Step 2



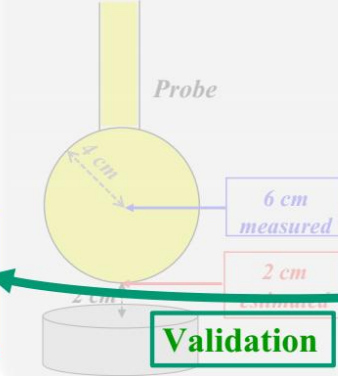


### Validation Example for 4 cm Probe Radius

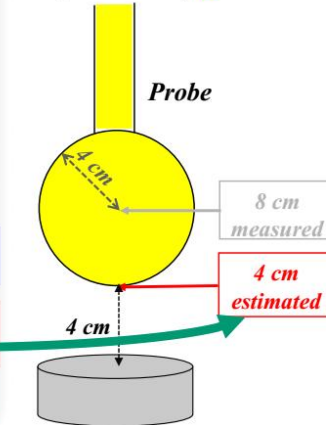
**1. Measure the field at 4 cm (closest position)**



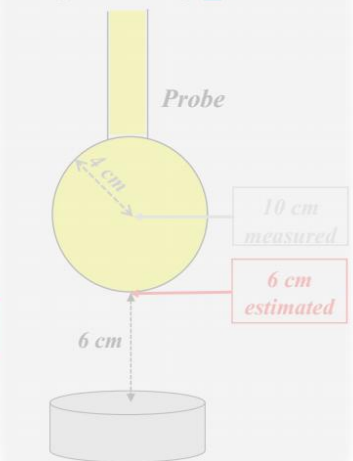
**2. Position the probe 2 cm from the DUT. Measure the field at 6 cm (probe calibration point)**



**3. Position the probe 4 cm from the DUT. Estimate the field at 4 cm. Compare with Step 1.**



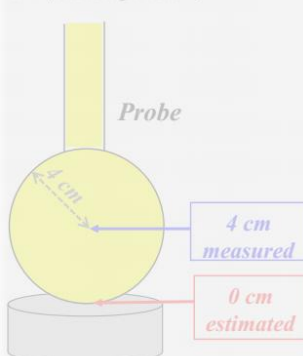
**4. Position the probe 6 cm from the DUT. Estimate the field at 6 cm. Compare with Step 2.**



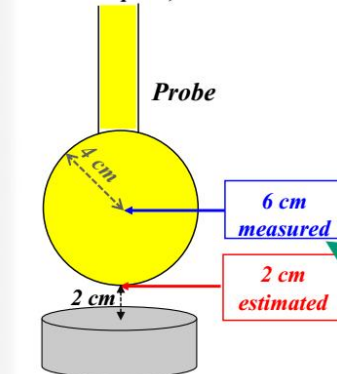
Step 3

### Validation Example for 4 cm Probe Radius

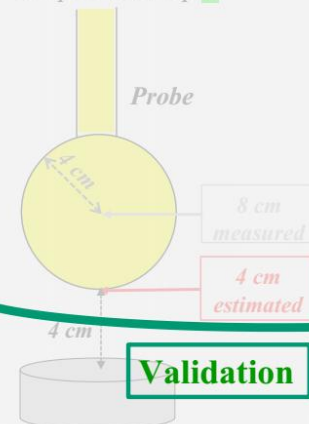
**1. Measure the field at 4 cm (closest position)**



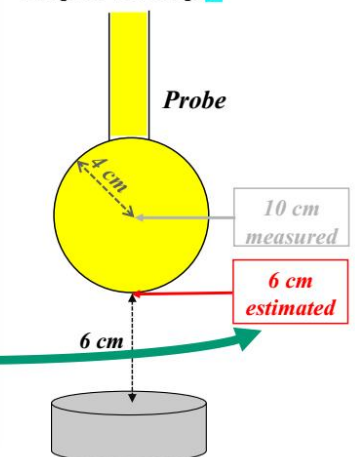
**2. Position the probe 2 cm from the DUT. Measure the field at 6 cm (probe calibration point)**



**3. Position the probe 4 cm from the DUT. Estimate the field at 4 cm. Compare with Step 1.**



**4. Position the probe 6 cm from the DUT. Estimate the field at 6 cm. Compare with Step 2.**



Description of the Validation Example for 4 cm Probe Radius

- Assume that  $R=4$  cm. The field at 0 cm can only be estimated, but the field at 4 cm is measured exactly (at the center of the probe).
- Move the probe at 2 cm from the surface. The field at 2 cm can still only be estimated, but the field at 6 cm is measured exactly.
- Compare the estimates with the values at the same positions where the field was measured exactly (i.e., 4 cm and 6 cm)
- The difference between measurements and estimates needs to be no more than 30%.
- That validation of the estimates needs to be for the two closest points to the coil, but at least 2 cm apart (in this case they are). This is to avoid a validation at, say 2 cm and another one at 2.1 cm, that is essentially a repetition





- (6) According to Calibration information and specification about ETL-400 Probe (the B-Field Probe size is 100cm<sup>2</sup>, the probe radius is 5.65cm), The Probe ETL-400 Probe's sensitive elements center is located in the probe's center, and the distance from the sensitive elements center to the tip of probe is 5.65cm.
- (7) The actual 0cm, 2cm, 4cm and 6cm field strengths need to be estimated for the positions that are not reachable via numerical calculation.
- (8) For validation purposes: If the value to show a 30% agreement between the mode and the probe measurements for the two closest points to the device surface, and with 2cm increments. Then this extrapolation method is reasonable.
- (9) Validation E-Field and H-Field as bellowing;

| Validation Mode: TM1 H-Field (A/m) |         |                   | Validation Position: Top |            |
|------------------------------------|---------|-------------------|--------------------------|------------|
|                                    | Results | Difference Values | Difference Limit         | Conclusion |
| Estimated Distance: 0 cm           | 0.6726  | 28.87%            | ≤ 30%                    | Compliance |
| Measured Distance: 5.65 cm         | 0.5219  |                   | ≤ 30%                    | Compliance |
| Estimated Distance: 2 cm           | 0.6122  | 29.32%            | ≤ 30%                    | Compliance |
| Measured Distance: 7.65 cm         | 0.4734  |                   | ≤ 30%                    | Compliance |
| Estimated Distance: 4 cm           | 0.5438  | 25.62%            | ≤ 30%                    | Compliance |
| Measured Distance: 7.65 cm         | 0.4329  |                   | ≤ 30%                    | Compliance |

| Validation Mode: TM1 E-Field (V/m) |         |                   | Validation Position: Top |            |
|------------------------------------|---------|-------------------|--------------------------|------------|
|                                    | Results | Difference Values | Difference Limit         | Conclusion |
| Estimated Distance: 0 cm           | 37.6345 | 27.24%            | ≤ 30%                    | Compliance |
| Measured Distance: 5.65 cm         | 29.5781 |                   | ≤ 30%                    | Compliance |
| Estimated Distance: 2 cm           | 34.6318 | 27.98%            | ≤ 30%                    | Compliance |
| Measured Distance: 7.65 cm         | 27.0817 |                   | ≤ 30%                    | Compliance |
| Estimated Distance: 4 cm           | 31.4018 | 29.84%            | ≤ 30%                    | Compliance |
| Measured Distance: 7.65 cm         | 23.5919 |                   | ≤ 30%                    | Compliance |

Note 1: The compliance location as probe tip;

Note 2: The format of difference is;

The E Validation Difference =  $(E_{\text{Estimated Distance}} - E_{\text{Measured Distance}}) / E_{\text{Measured Distance}} * 100\%$

The H Validation Difference =  $(H_{\text{Estimated Distance}} - H_{\text{Measured Distance}}) / H_{\text{Measured Distance}} * 100\%$

#### H-Field and E-Field Emission level with a combination of measured and estimated results.

##### Test condition: Mode 1

| Distance(cm) | H-Field Result(A/m) |        |        |         |        |         |         | Limit(A/m) |
|--------------|---------------------|--------|--------|---------|--------|---------|---------|------------|
|              | Type                | Top    | Bottom | Left    | Right  | Front   | Back    |            |
| 0            | Estimate            | 0.7833 | 0.6774 | 0.5779  | 0.5915 | 0.5127  | 0.5786  | 1.63       |
| 2            | Estimate            | 0.5783 | 0.6421 | 0.5443  | 0.5309 | 0.3645  | 0.3664  | 1.63       |
| 4            | Estimate            | 0.6657 | 0.5983 | 0.6694  | 0.5172 | 0.4234  | 0.4282  | 1.63       |
| 6            | Measured            | 0.4469 | 0.4832 | 0.4793  | 0.6026 | 0.2811  | 0.4584  | 1.63       |
| 8            | Measured            | 0.1755 | 0.3969 | 0.2665  | 0.2367 | 0.4248  | 0.3449  | 1.63       |
| 10           | Measured            | 0.1279 | 0.2114 | 0.3131  | 0.1176 | -0.0066 | 0.0587  | 1.63       |
| 12           | Measured            | 0.0675 | 0.1024 | 0.1862  | 0.2237 | 0.0182  | 0.0627  | 1.63       |
| 14           | Measured            | 0.2922 | 0.0526 | 0.2239  | 0.1704 | 0.0331  | 0.1510  | 1.63       |
| 16           | Measured            | 0.1252 | 0.1437 | 0.1519  | 0.2232 | 0.0697  | 0.1405  | 1.63       |
| 18           | Measured            | 0.0570 | 0.0567 | -0.0235 | 0.0380 | -0.0078 | 0.1166  | 1.63       |
| 20           | Measured            | 0.0179 | 0.0865 | 0.1623  | 0.0114 | -0.0263 | -0.0012 | 1.63       |



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| Distance(cm) | E-Field Result(V/m) |         |         |         |         |         |         | Limit(V/m) |
|--------------|---------------------|---------|---------|---------|---------|---------|---------|------------|
|              | Type                | Top     | Bottom  | Left    | Right   | Front   | Back    |            |
| 0            | Estimate            | 37.6743 | 36.2957 | 36.3765 | 32.1972 | 31.7564 | 31.6584 | 613        |
| 2            | Estimate            | 34.5444 | 34.3168 | 34.0005 | 30.5902 | 29.5976 | 29.1150 | 613        |
| 4            | Estimate            | 31.2537 | 30.7452 | 31.3225 | 27.9444 | 27.0263 | 26.6054 | 613        |
| 6            | Measured            | 28.9144 | 26.8822 | 28.0166 | 23.7417 | 22.6522 | 22.4154 | 613        |
| 8            | Measured            | 24.5708 | 23.2812 | 23.8755 | 20.4061 | 19.6134 | 19.2747 | 613        |
| 10           | Measured            | 22.3335 | 21.2575 | 21.6109 | 17.6477 | 16.1817 | 16.2694 | 613        |
| 12           | Measured            | 20.1527 | 19.4723 | 19.8177 | 15.2958 | 13.5862 | 13.1426 | 613        |
| 14           | Measured            | 17.2758 | 17.0862 | 17.1530 | 13.1226 | 11.4101 | 11.2790 | 613        |
| 16           | Measured            | 15.9331 | 14.8060 | 15.7364 | 10.2567 | 9.2333  | 9.1775  | 613        |
| 18           | Measured            | 12.6923 | 11.6647 | 12.1594 | 8.3381  | 7.4355  | 7.3600  | 613        |
| 20           | Measured            | 7.7342  | 7.3571  | 7.6174  | 5.3334  | 4.3113  | 3.7911  | 613        |

### 3.3 Conclusion

A minimum safety distance of 0 cm to the antenna is required when the device is charging a smart phone for portable exposure. The detected emissions are below the limitations according FCC KDB 680106.



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Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com  
Scan code to check authenticity

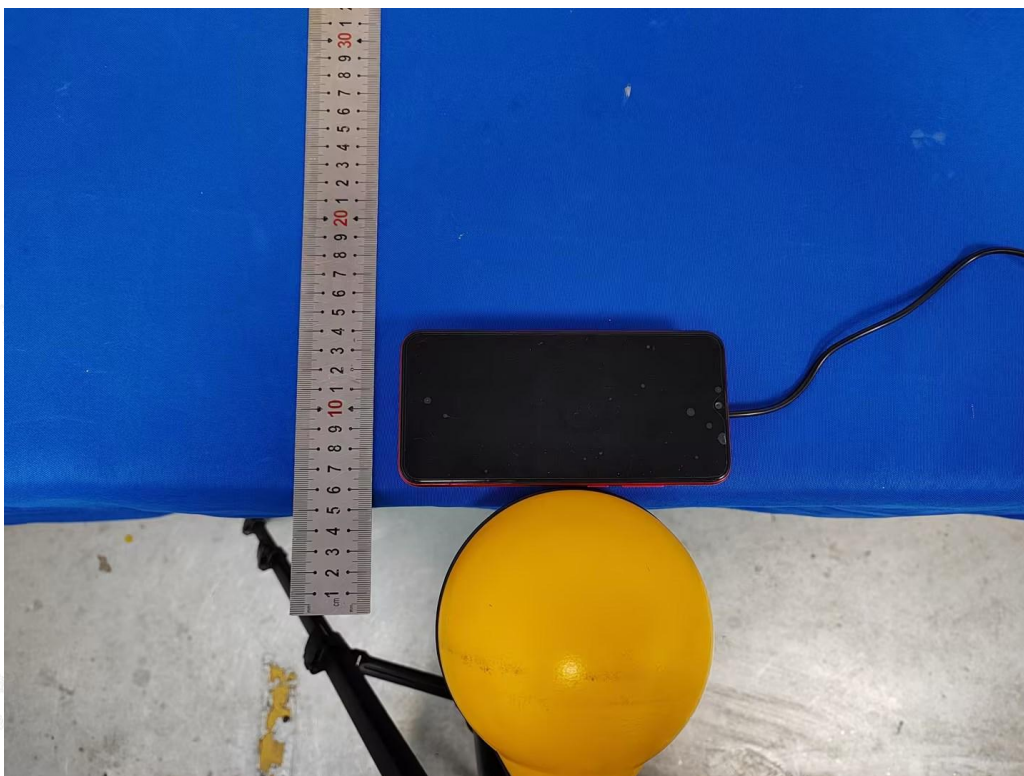


#### 4. TEST SETUP PHOTOS

(The separation distance from the geometric center of the probe to the edge of the device is 6.25cm)



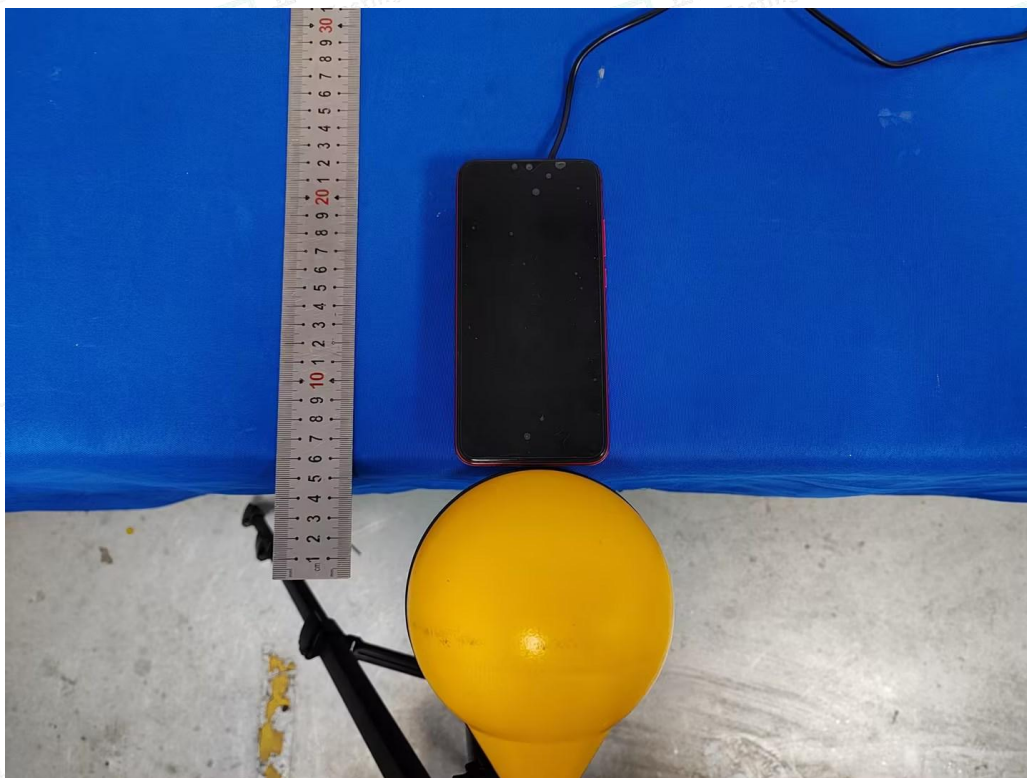
0cm-Left



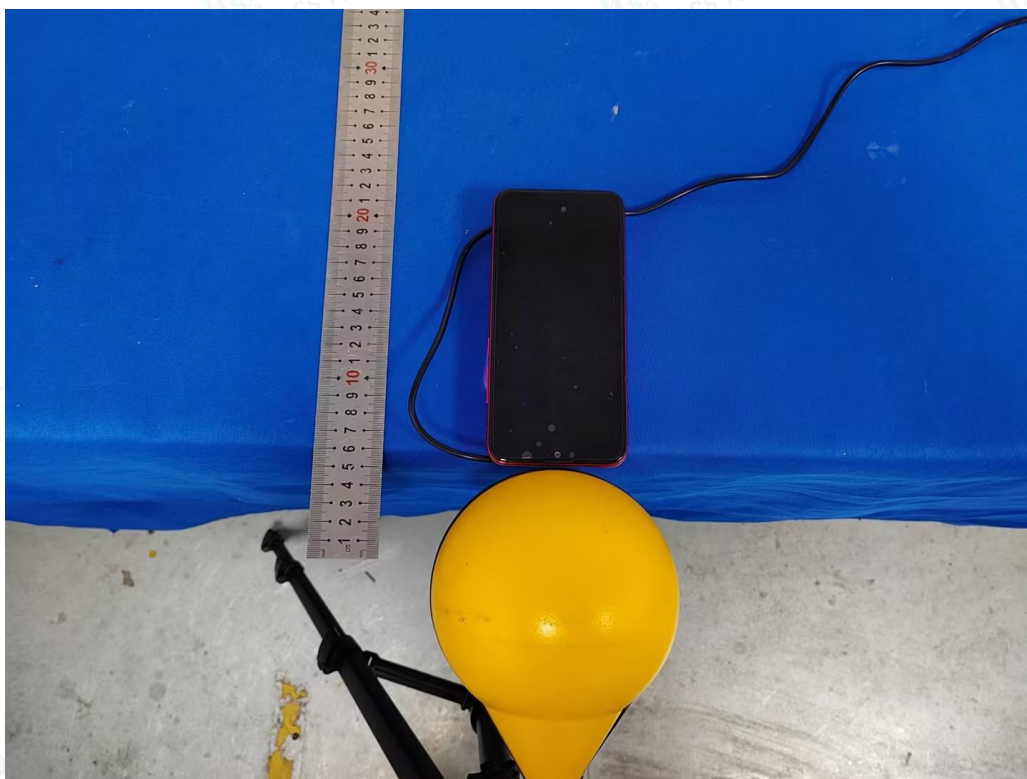
0cm-Right





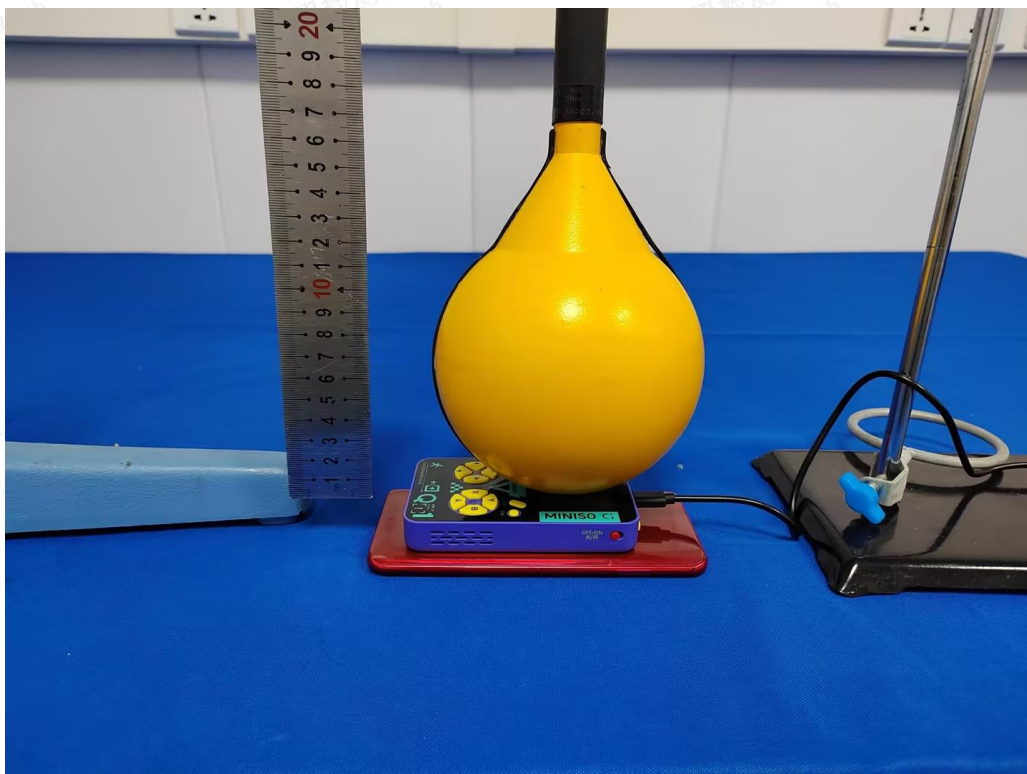


0cm-Top

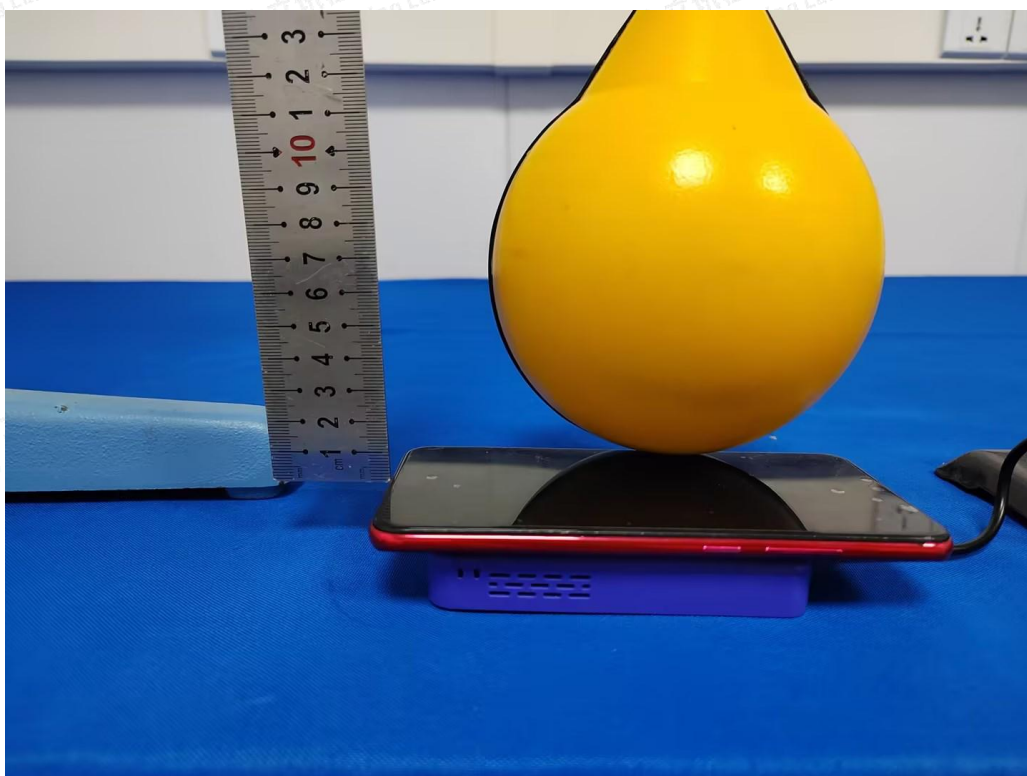


0cm-Bottom





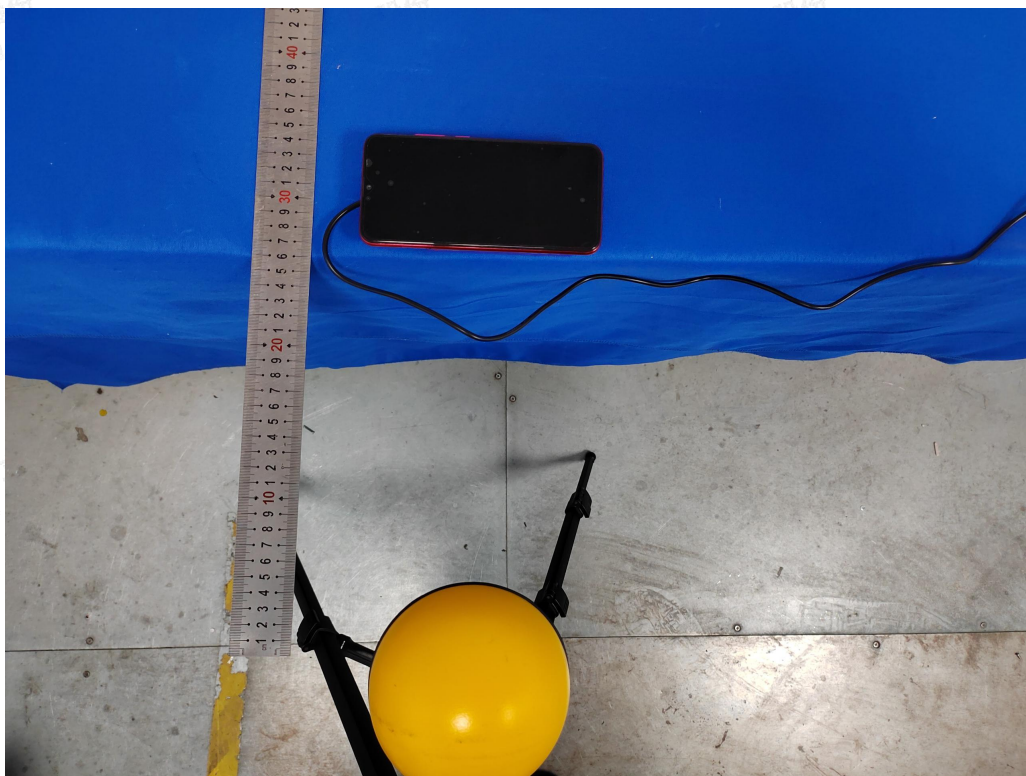
0cm-Front



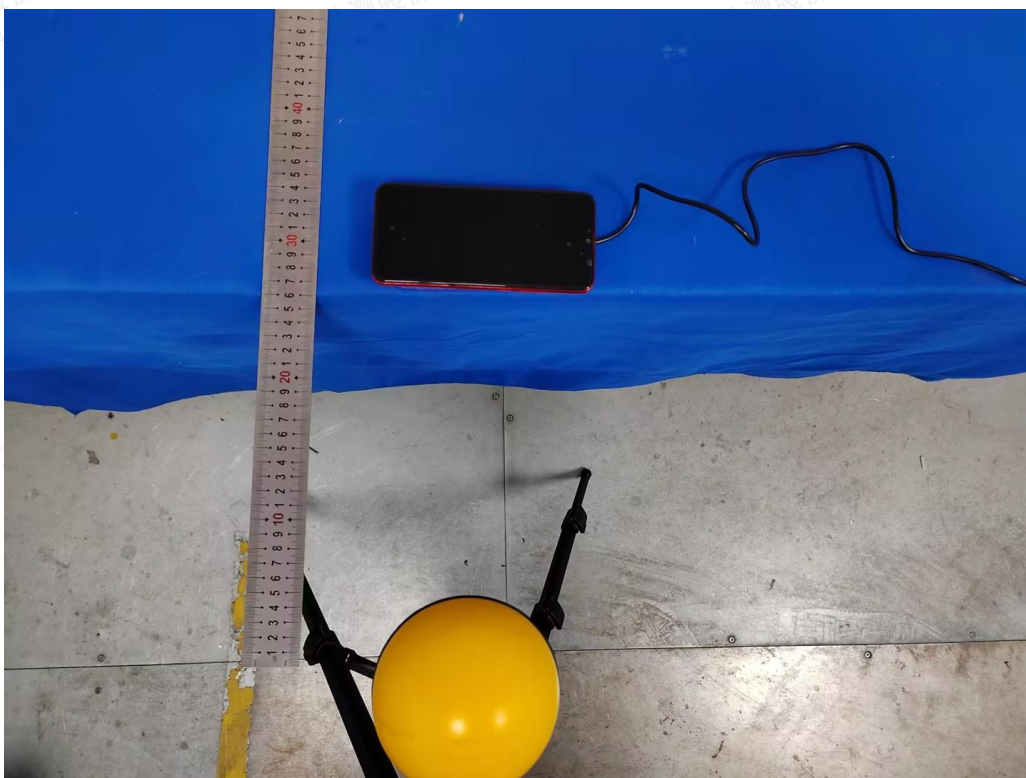
0cm-Back







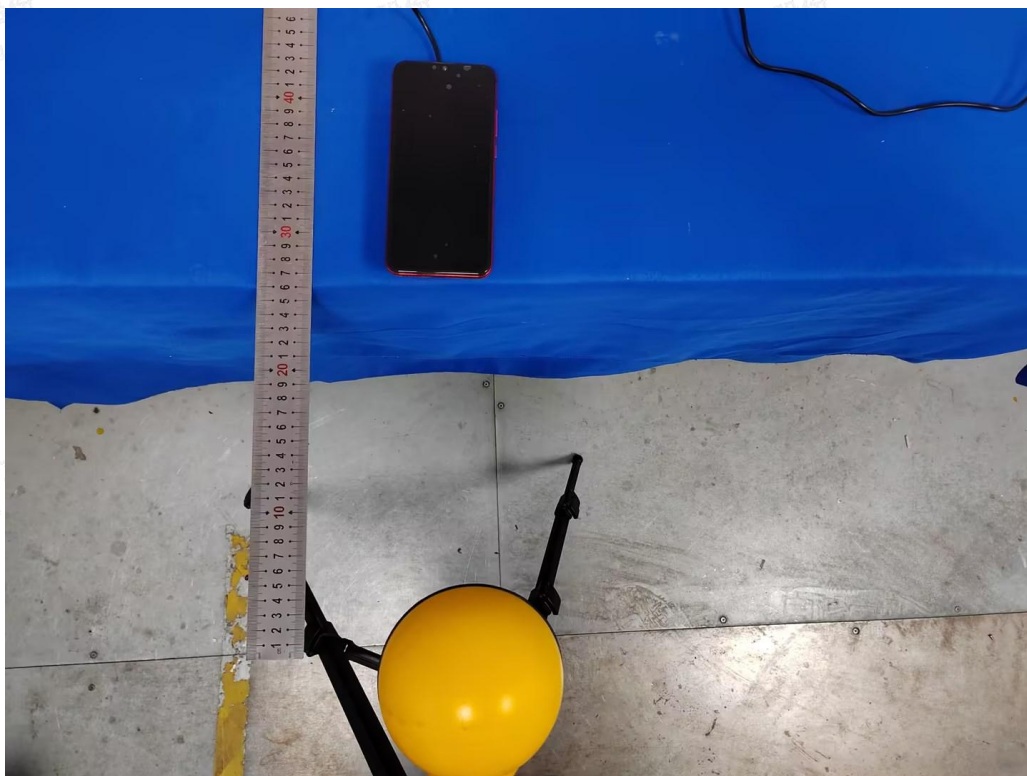
20cm-Left



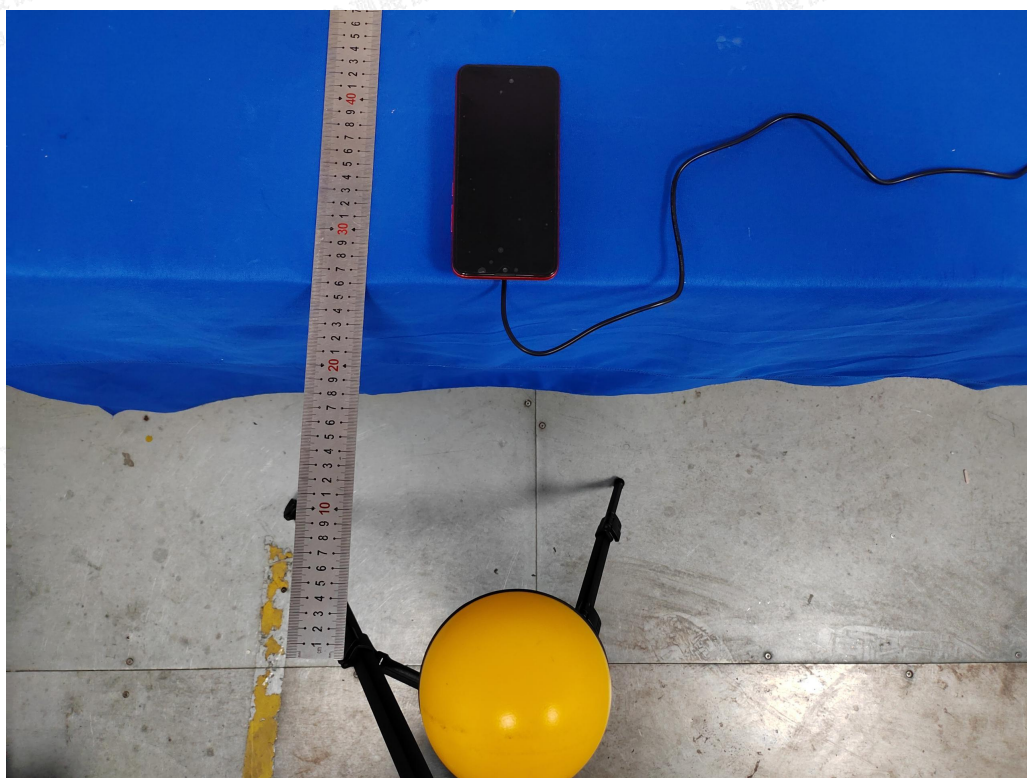
20cm-Right





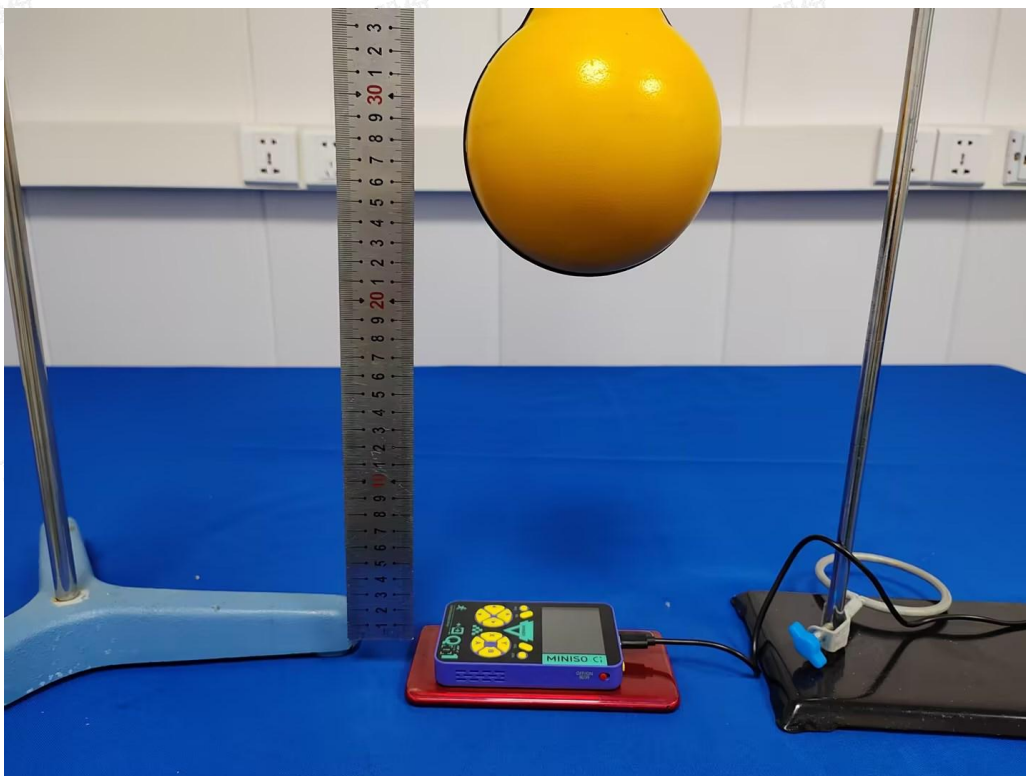


20cm-Top

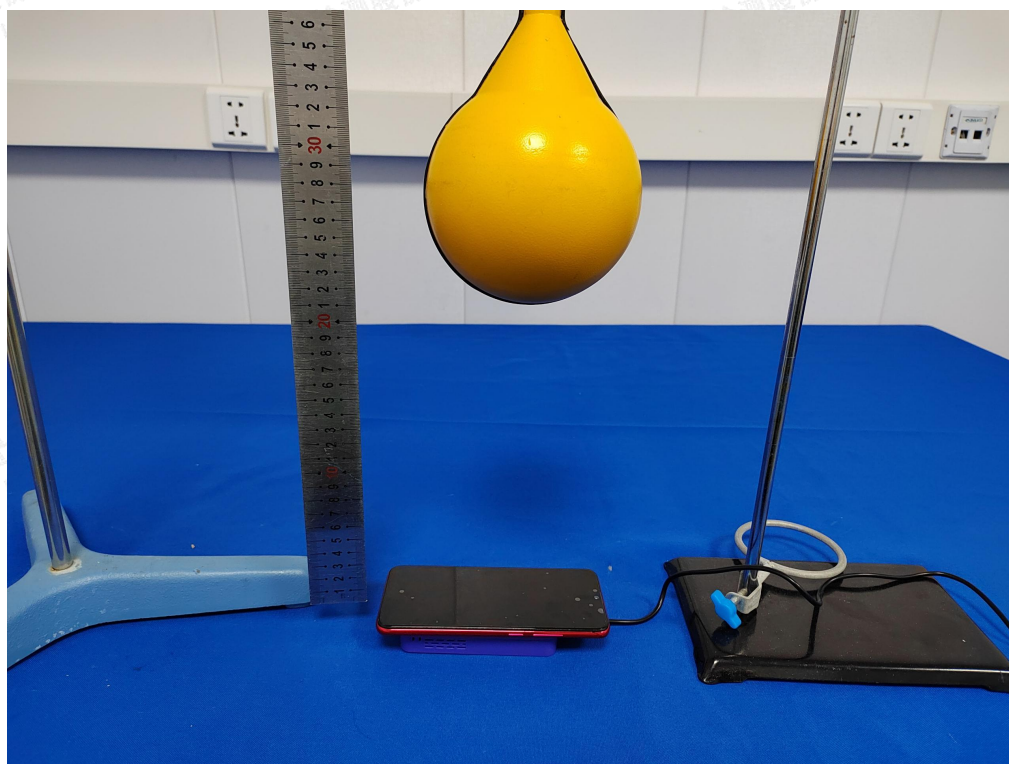


20cm-Bottom





20cm-Front



20cm-Back

-----THE END OF REPORT-----

