

**KSIGN(Guangdong) Testing Co, Ltd.**

First Floor West Side, Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu Village, Shatou Community, Shajing Street, Bao'an District, Shenzhen City, Guangdong Province, P. R. China  
Tel.: +(86) 755-2985 2678 Fax: +(86) 755-2985 2397 E-mail: info@gdksign.cn Website: www.gdksign.com

**RF Exposure Evaluation****FCC ID: 2AXP4-WCHAR000X****Measuring Standard**

FCC Part 1(1.1310) and Part 2(2.1091)

KDB 680106 D01 RF Exposure Wireless Charging Base App v03

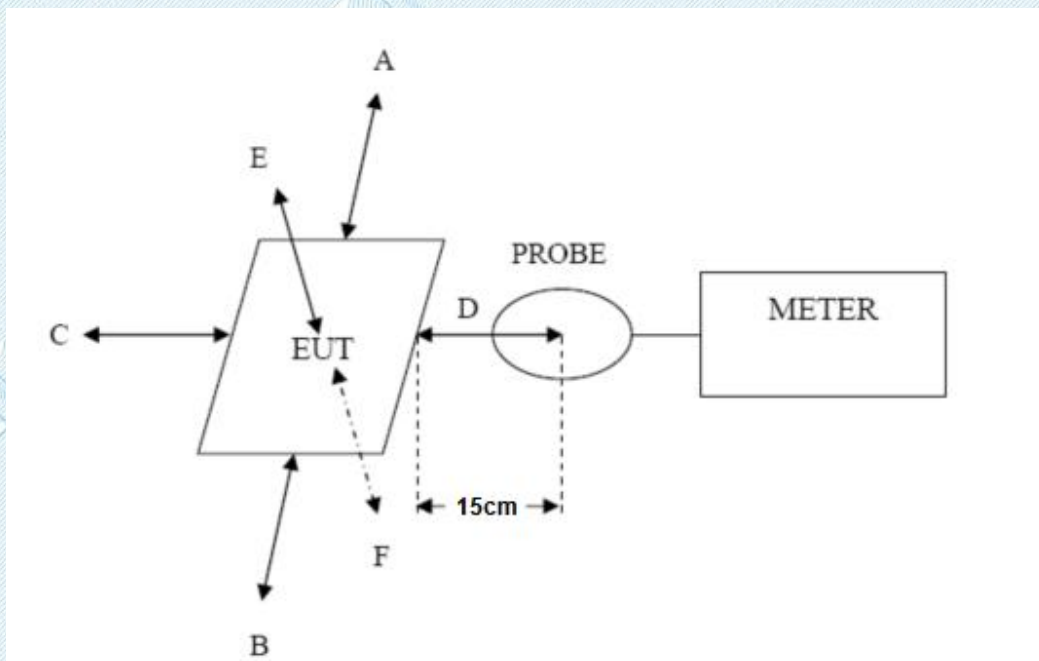
**Test Configuration**

The field strength of both E-field and H-field was measured at 15cm using the equipment list above for determining compliance with the MPE requirements of FCC Part 1.1310.

The RF power density was measured at Under maximum load test.

Maximum E-field and H-field measurements were made 15cm from each side of the EUT. Along the side of the EUT and still 15cm away from the edge of the EUT, the field probes were positioned at the location where there is maximum field strength. The maximum E-field and H-field is reported below.

This device uses a wireless charging circuit for power transfer operating at the frequency of 110KHz -205kHz. Thus, the 300kHz limits were used: E-field Limit = 614 (V/m); H-field limit = 1.63 (A/m).

**TEST Setup**



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### TEST Limits

| Frequency range (MHz)                                          | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm <sup>2</sup> ) | Averaging time (minutes) |
|----------------------------------------------------------------|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| <b>(A) Limits for Occupational/Controlled Exposure</b>         |                               |                               |                                     |                          |
| 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                        |
| <b>(B) Limits for General Population/Uncontrolled Exposure</b> |                               |                               |                                     |                          |
| 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

### Measuring Device and Test Equipment

| Description                | Manufacturer                     | Model            | S/N     | Cal. Until    |
|----------------------------|----------------------------------|------------------|---------|---------------|
| E-Field Probe(100kHz-3GHz) | Narda                            | EF0391           | Q15221  | Sep 11, 2021  |
| Probe FHP(100kHz-3GHz)     | Narda Safety Test Solutions GmbH | EHP-50F          | J-0015  | June 11, 2021 |
| Broadband Field Meter      | Narda                            | NBM-550          | Q201455 | Sep 11, 2021  |
| Adapter                    | N/A                              | SAW30-12 0-2500U | N/A     | N/A           |
| Load                       | N/A                              | N/A              | N/A     | N/A           |

### TEST RESULT

☒ Passed

☐ Not Applicable



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|               |                                          |               |            |
|---------------|------------------------------------------|---------------|------------|
| EUT           | WIRELESS CHARGER                         | Model Name. : | WCHAR0003  |
| Pressure:     | 1010hPa                                  | Test Date:    | 2020-10-12 |
| Test Voltage: | Input: Adapter AC 120V/60Hz. Output: 10W |               |            |

| E-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT |                       |               |               |               |               |               |              |
|-----------------------------------------------------------------------------------------|-----------------------|---------------|---------------|---------------|---------------|---------------|--------------|
| EUT Side                                                                                | Frequency Range (KHz) | Probe B (V/m) | Probe A (V/m) | Probe C (V/m) | Probe D (V/m) | Probe E (V/m) | Limits (V/m) |
| Full load                                                                               | 100~205               | 0.16          | 0.16          | 0.16          | 0.15          | 1.72          | 614          |
| Half load                                                                               | 100~205               | 0.13          | 0.13          | 0.14          | 0.13          | 1.57          |              |
| Null load                                                                               | 100~205               | 0.13          | 0.14          | 0.14          | 0.13          | 1.19          |              |

| H-Field Strength at 15 cm surrounding the EUT and 20cm above the top surface of the EUT |                       |               |               |               |               |               |              |
|-----------------------------------------------------------------------------------------|-----------------------|---------------|---------------|---------------|---------------|---------------|--------------|
| EUT Side                                                                                | Frequency Range (KHz) | Probe B (A/m) | Probe A (A/m) | Probe C (A/m) | Probe D (A/m) | Probe R (A/m) | Limits (A/m) |
| Full load                                                                               | 100~205               | 0.15          | 0.15          | 0.15          | 0.15          | 0.49          | 1.63         |
| Half load                                                                               | 100~205               | 0.13          | 0.12          | 0.13          | 0.13          | 0.33          |              |
| Null load                                                                               | 100~205               | 0.12          | 0.12          | 0.12          | 0.12          | 0.28          |              |

Remark: The device meets the mobile RF exposure limit at a 15cm separation distance as specified in §2.1091 of the FCC Rules.

Note: Only the worst case modes is recorded in the report.

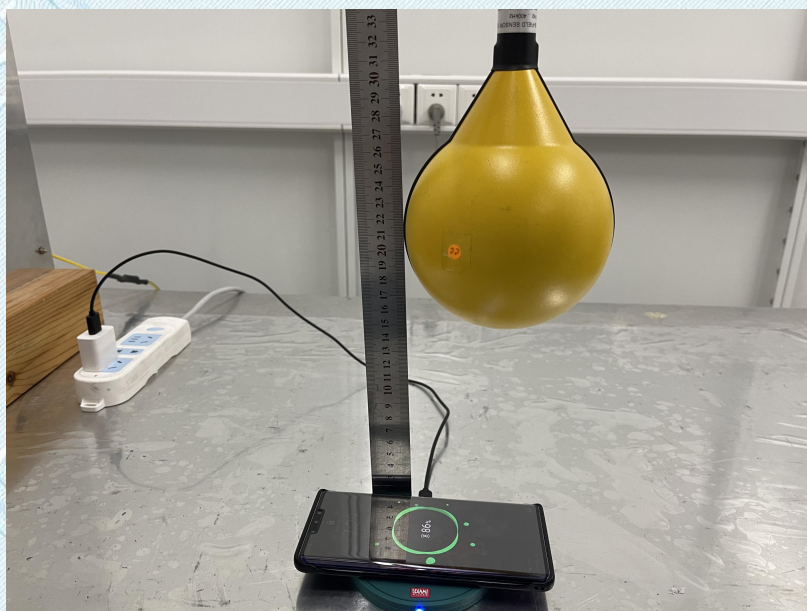


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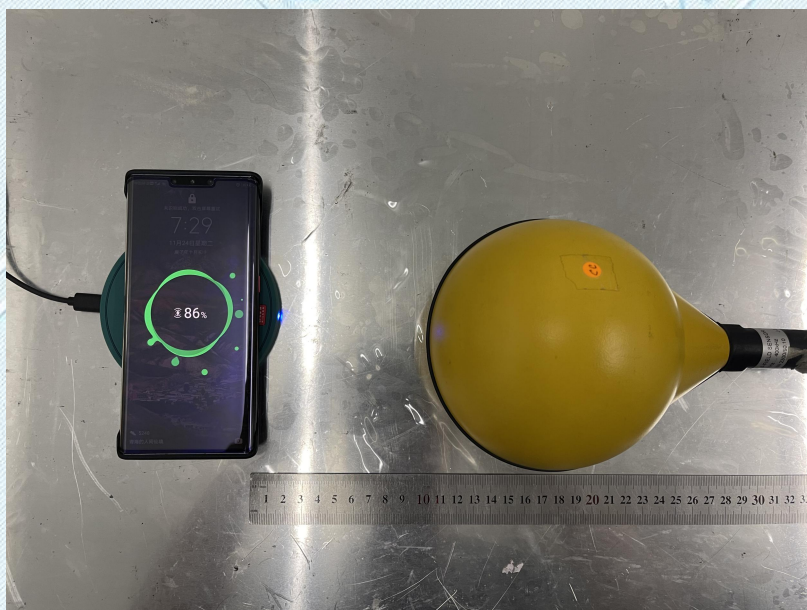
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**PHOTOGRAPHS OF TEST SETUP**

Position E



Position A





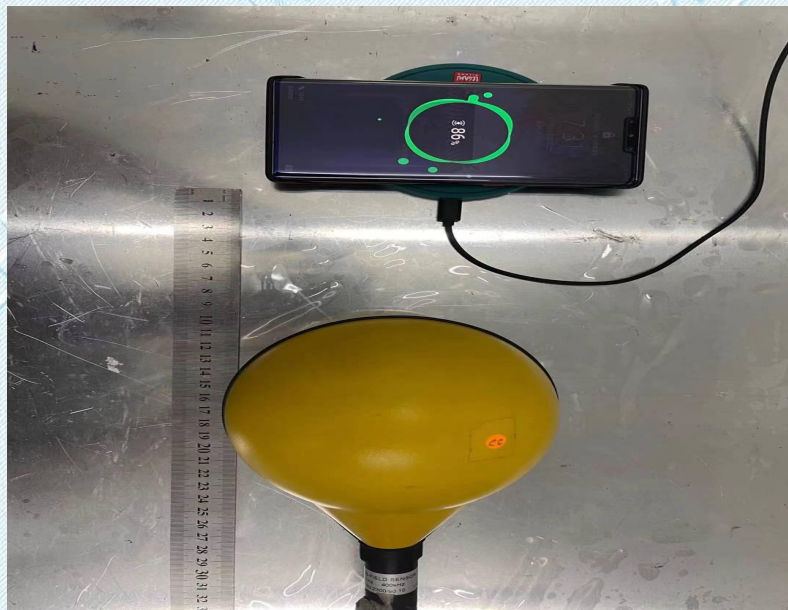
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Position B



Position C

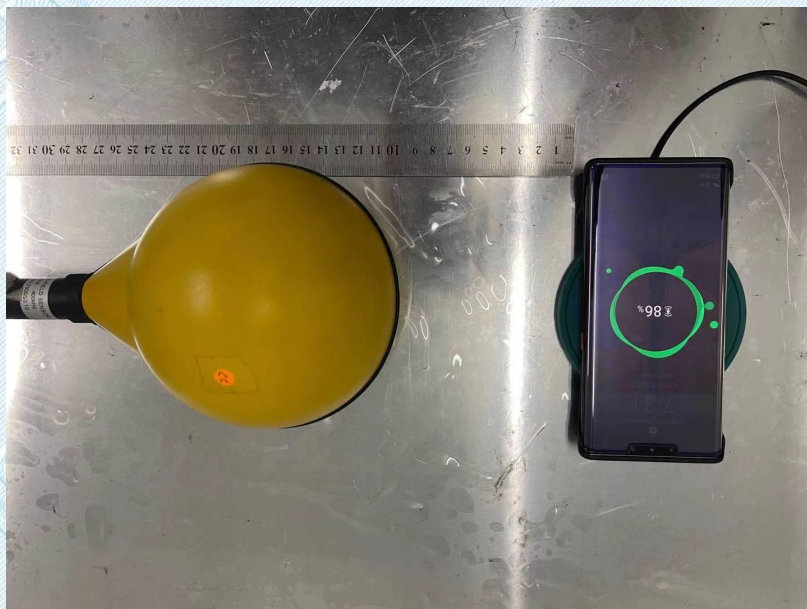




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Position D



\*\*\*\*\*THE END\*\*\*\*\*