



FCC TEST REPORT

Test report
On Behalf of
Shenzhen shi wu xian you pin ke ji you xian gongsi
For
Charger
Model No.: FT001

FCC ID: 2ASYQ-FT001

Prepared for : Shenzhen shi wu xian you pin ke ji you xian gongsi
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Report Number: HK1903250580-2E



Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.

| Channel List | | | | | | | |
|--------------|-----------------|---------|-----------------|---------|-----------------|---------|-----------------|
| Channel | Frequency (KHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 01 | 125 | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

The EUT antenna is Coil Antenna. No antenna other than that furnished by the responsible party shall be used with the device.

2. SUMMARY OF TEST RESULTS

2.1 Test procedures according to the technical standards:

FCC KDB680106 D01 RF Exposure Wireless Charging Apps v03

| FCC CFR 47 | | | |
|--|-----------------------------------|----------|--------|
| Standard Section | Test Item | Judgment | Remark |
| FCC CFR 47 part1, 1.1310 KDB680106 D01v03 (3)(3) | Electric Field Strength (E) (V/m) | PASS | |
| | Magnetic Field Strength (H) (A/m) | PASS | |

2.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately **95 %**.

| No. | Item | Uncertainty |
|-----|--|-------------------------|
| 1 | All emissions,radiated(<30M)(9KHz-30MHz) | $\pm 2.45\text{dB}$ |
| 2 | Temperature | $\pm 0.5^\circ\text{C}$ |
| 3 | Humidity | $\pm 2\%$ |



2.3 Test Instruments

| Description | Brand | Model No. | Frequency Range | Calibrated Date | Calibrated Until |
|-----------------------|-----------|-----------|-----------------|-----------------|------------------|
| Broadband Field Meter | NARDA | NBM-550 | - | Dec. 27, 2018 | Dec. 27, 2019 |
| Magnetic Field Meter | NARDA | ELT-400 | 1 – 400kHz | Dec. 27, 2018 | Dec. 27, 2019 |
| Magnetic Probe | NARDA | HF-3061 | 300kHz – 30MHz | Dec. 27, 2018 | Dec. 27, 2019 |
| Magnetic Probe | NARDA | HF-0191 | 27 – 1000MHz | Dec. 27, 2018 | Dec. 27, 2019 |
| Broadband Field Meter | NARDA | NBM-550 | - | Dec. 27, 2018 | Dec. 27, 2019 |
| Electric Field Meter | COMBINOVA | EFM 200 | 5Hz – 400kHz | Dec. 27, 2018 | Dec. 27, 2019 |
| E-Field Probe | NARDA | EF-0391 | 100kHz – 3GHz | Dec. 27, 2018 | Dec. 27, 2019 |
| E-Field Probe | NARDA | EF-6091 | 100MHz – 60GHz | Dec. 27, 2018 | Dec. 27, 2019 |

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

2.4 Special Accessories

| No. | Equipment | Manufacturer | Model No. | input |
|-----|--------------|--------------|-----------|-------|
| 1 | Mobile phone | SAMSUNG | S6 | 5V DC |



3. MAXIMUM PERMISSIBLE EXPOSURE

3.1 MAXIMUM PERMISSIBLE EXPOSURE

Limit of Maximum Permissible Exposure

| Limits for Occupational / Controlled Exposure | | | | |
|---|-----------------------------------|-----------------------------------|--|--|
| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm ²) | Averaging Time E ² , H ² or S (minutes) |
| 0.3-3.0 | 614 | 1.63 | (100)* | 6 |
| 3.0-30 | 1842 / f | 4.89 / f | (900 / f)* | 6 |
| 30-300 | 61.4 | 0.163 | 1.0 | 6 |
| 300-1500 | | | F/300 | 6 |
| 1500-100,000 | | | 5 | 6 |
| Limits for General Population / Uncontrolled Exposure | | | | |
| Frequency Range (MHz) | Electric Field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/ cm ²) | Averaging Time E ² , H ² or S (minutes) |
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | (180 / f)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | | | F/1500 | 30 |
| 1500-100,000 | | | 1 | 30 |

Note 1: f = frequency in MHz ; *Plane-wave equivalent power density

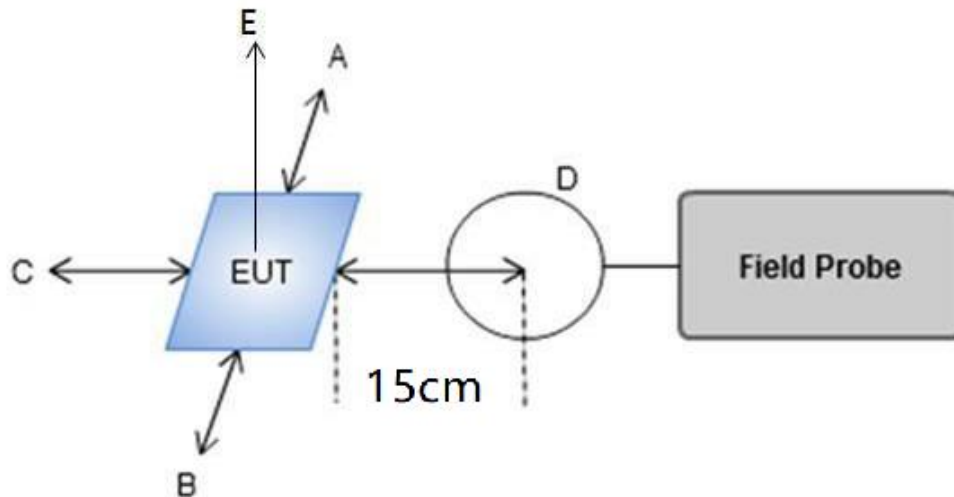
Note 2: For the applicable limit, see FCC 1.1310, 680106 D01 RF Exposure Wireless Charging Apps v03

Note 3: 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. TEST PROCEDURE

a. For devices designed for typical desktop applications, such as 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.

4.1 TEST SETUP



4.2 RESULT OF MAXIMUM PERMISSIBLE EXPOSURE



E-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT

| 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 | | |
| 1% | 0.125 | 1.35 | 1.34 | 1.13 | 1.20 | 1.13 | 307 | 614 |
| 50% | 0.125 | 1.34 | 1.25 | 1.21 | 1.36 | 1.16 | 307 | 614 |
| 99% | 0.125 | 1.32 | 1.36 | 1.21 | 1.32 | 1.32 | 307 | 614 |

H-Field Strength at 15 cm from the edges surrounding the EUT and 15cm from the top surface of the EUT

| Charging Battery Level | Frequency Range (MHz) | Measured E-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 | | |
| 1% | 0.125 | 0.23 | 0.22 | 0.21 | 0.24 | 0.24 | 0.815 | 1.63 |
| 50% | 0.125 | 0.19 | 0.21 | 0.21 | 0.22 | 0.22 | 0.815 | 1.63 |
| 99% | 0.125 | 0.16 | 0.17 | 0.18 | 0.18 | 0.19 | 0.815 | 1.63 |

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

| Charging Battery Level | Frequency Range (MHz) | Measured E-Field Strength Values (A/m) | FCC H-Field Strength 50% Limits (A/m) | FCC H-Field Strength Limits (A/m) |
|------------------------|-----------------------|--|---------------------------------------|-----------------------------------|
| | | Test Position E | | |
| 1% | 0.125 | 0.18 | 0.815 | 1.63 |
| 50% | 0.125 | 0.10 | 0.815 | 1.63 |
| 99% | 0.125 | 0.13 | 0.815 | 1.63 |



4.3 Equipment Approval Considerations

The EUT does comply with KDB 680106 D01 as follow table.

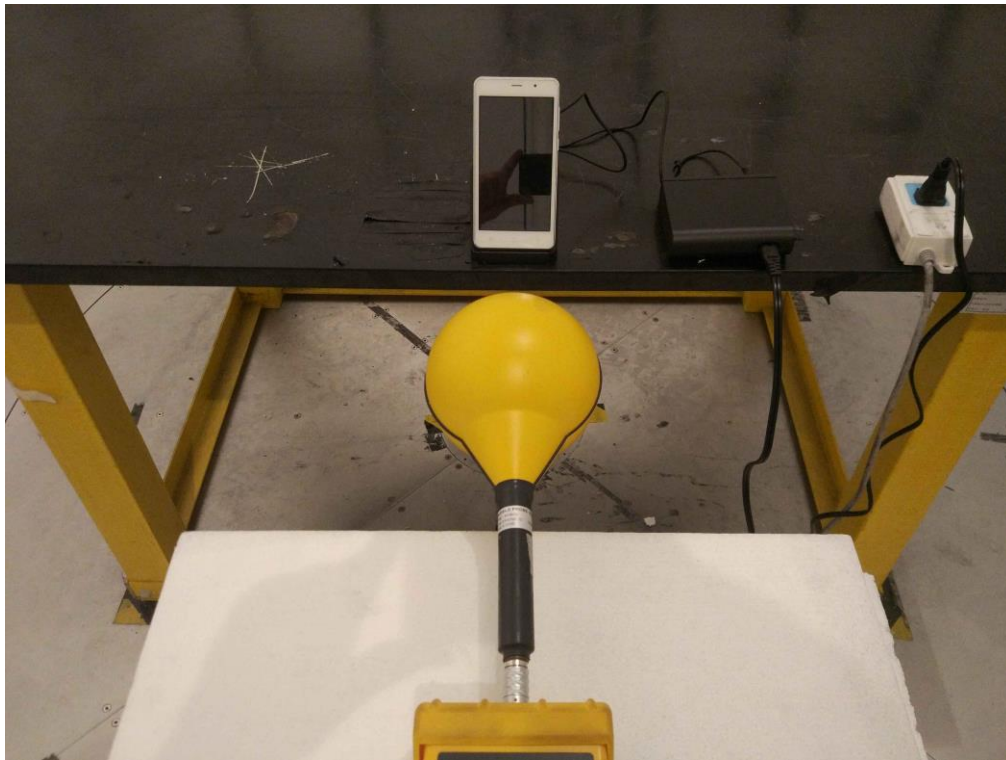
| Requirements of KDB 680106 D01 | Yes / No | Description |
|--|----------|---|
| Power transfer frequency is less than 1 MHz | Yes | The device operate in the frequency range 125 KHz. |
| Output power from each primary coil is less than 15 watts | Yes | The maximum output power for each primary coil is 5W. |
| 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 transfer system includes only single primary and secondary 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 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. |

4.4 Conclusion

The detected emissions with a distance of 15cm surrounding the device and 20 cm above the top surface of the device are below the FCC E-Field Strength & H-Field Strength limits; and comply with the requirements of FCC KDB 680106 D01.



PHOTOGRAPH OF TEST



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