

RF Exposure Evaluation Report

Report Reference No......: **MTEB23070089-H**

FCC ID.....: **2BAL3-MAYASM59181**

Compiled by

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Date of issue.....: **July 10, 2022**

Representative Laboratory Name ..: **Shenzhen Most Technology Service Co., Ltd.**

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Applicant's name: **HENGYE INTL. DEVELOPMENT CO.,LTD.**

Address: ROOM 1011-1016,10 /F, QILIN BLDG,No.1501 NORTH
TIAN TONG RD,NINGBO,CHINA

Test specification/ Standard: **FCC CFR Title 47 Part 15 Subpart C**
FCC KDB 680106 D01 RF Exposure Wireless Charging Apps
v03r01

TRF Originator.....: Shenzhen Most Technology Service Co., Ltd.

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Test item description: Desk Lamp w/Charger

Trade Mark: N/A

Manufacturer: SHENZHEN FANGXING TECHNOLOGY CO.,LTD

Model/Type reference.....: SM-59181

Modulation Type: FSK

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

Rating: Input: DC 5V(by USB)
output power:5W

Hardware Version: N/A

Software Version: N/A

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

TEST REPORT

Equipment under Test : Desk Lamp w/Charger

Model /Type : SM-59181

Applicant : HENGYE INTL. DEVELOPMENT CO.,LTD.

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| | |
|---------------------|-------------|
| Test Result: | PASS |
|---------------------|-------------|

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.

1. Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------|---------------|------------|
| 00 | 2023.07.10 | Initial Issue | Alisa Luo |
| | | | |
| | | | |

2.1.5 Test Instruments

| Item | Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Cal. Interval |
|------|--|--------------|---------------------------------|------------|-----------|---------------|
| 1 | Exposure Level Tester | narda | ELT-400 | N-0231 | 2023.3.17 | 1 Year |
| 2 | Magnetic field probe 100cm ² | narda | ELT probe 100cm ² | M0675 | 2023.3.17 | 1 Year |
| 3 | Isotropic Electric Field Probe | narda | EP-601 | 511WX60706 | 2023.3.17 | 1 Year |

The EUT does comply with section 5 b) of KDB 680106 D01 RF Exposure Wireless charging App V03r01.

| Conditions requirement | Answers |
|---|---|
| Power transfer frequency is less than 1 MHz. | After measuring the product the transfer frequency is 0.110-0.205MHz |
| Output power from each primary coil is less than or equal to 15 watts. | After measuring the product the each primary coil power is 5 watts |
| 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. | The transfer system include signal primary. |
| Client device is placed directly in contact with the transmitter. | Client device is placed directly in contact with the transmitter. |
| Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion). | 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. | After measuring the product the Max H-field Strength is 0.702 A/m Far less than 50% of the MPE limit. |

2.1.6 Test data

For Full load mode:

H-Filed Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (A/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position B | Test Position D | Test Position E | Limit (50%) (A/m) | Limits Test (A/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|
| 0.110-0.205 | 0.702 | 0.624 | 0.611 | 0.614 | 0.645 | 0.815 | 1.63 |

For Half load mode:

H-Filed Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (A/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position B | Test Position D | Test Position E | Limit (50%) (A/m) | Limits Test (A/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|
| 0.110-0.205 | 0.698 | 0.622 | 0.598 | 0.601 | 0.622 | 0.815 | 1.63 |

For Null load mode:

H-Filed Strength at 15 cm for position A,B,C,D 20cm for position E from the edges surrounding the EUT (A/m)

| Frequency Range (MHz) | Test Position A | Test Position B | Test Position B | Test Position D | Test Position E | Limit (50%) (A/m) | Limits Test (A/m) |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-------------------|
| 0.110-0.205 | 0.672 | 0.597 | 0.636 | 0.617 | 0.613 | 0.815 | 1.63 |

Photos of test setup



.....THE END OF REPORT.....