

RF EXPOSURE REPORT

Applicant: Shenzhen Leiden Digital Technology Co., Ltd

Address of Applicant: Room 602A, Building F, Second Industrial Zone, No.131 Bulan Road, Shanglilang Community, Nanwan, Longgang District, Shenzhen, Guangdong, China

Manufacturer/Factory: Shenzhen Leiden Digital Technology Co., Ltd

Address of Manufacturer/Factory: Room 602A, Building F, Second Industrial Zone, No.131 Bulan Road, Shanglilang Community, Nanwan, Longgang District, Shenzhen, Guangdong, China

Equipment Under Test (EUT)

Product Name: 3-in-1 wireless charger

Model No.: T40

Trade Mark: N/A

FCC ID: 2A4FX-T40

Applicable standards : FCC CFR Title 47 Part 1 §1.1307
FCC CFR Title 47 Part 1 §1.1310
FCC CFR Title 47 Part 2 §2.1091
KDB 680106 D01 Wireless Power Transfer v04

Date of sample receipt: Jun. 23, 2025

Date of Test: Jun. 23, 2025 to Jul. 11, 2025

Date of report issued: Jul. 15, 2025

Test Result : PASS *

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

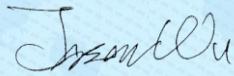
Robinson Luo
Laboratory Manager

This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

2 Version

| Version No. | Date | Description |
|-------------|---------------|-------------|
| 00 | Jul. 15, 2025 | Original |
| | | |
| | | |
| | | |
| | | |

Prepared By:

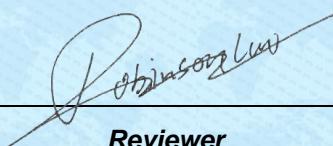


Date:

Jul. 15, 2025

Project Engineer

Check By:



Date:

Jul. 15, 2025

Reviewer

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4 General Information

4.1 General Description of EUT

| | |
|---------------------------------|---|
| Product Name: | 3-in-1 wireless charger |
| Model No.: | T40 |
| Serial No.: | N/A |
| Test sample(s) ID: | GTSL2025060430-1 |
| Sample(s) Status | Engineer sample |
| Operation Frequency: | 110-205kHz |
| Modulation type: | ASK |
| Wireless Charging Output Power: | Phone: 5W/7.5W/10W/15W(MAX) Earphone: 5W(MAX) Watch: 2.5W |
| Antenna Type: | Inductive loop coil Antenna |
| Antenna gain: | 0dBi |
| Power supply: | DC 5/9/12V from adapter |

Remark:

1. Antenna gain information provided by the customer
2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.

4.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **FCC—Registration No.: 381383**

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

- **ISED—Registration No.: 9079A**

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing

- **NVLAP (LAB CODE:600179-0)**

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

4.3 Test Location

All tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123- 128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480

Fax: 0755-27798960

4.4 Description of Support Units

| Manufacturer | Description | Model | S/N |
|--------------|--|--------------|-----|
| YBZ | Intelligent wireless charging full function test module (5W/7.5W/10W/15W MAX) (110-205kHz) | 001 | N/A |
| APPLE | Earphone (5W Max) (110-205kHz) | AirPods Pro2 | N/A |
| APPLE | Watch (2.5W) (110-205kHz) | Series 8 | N/A |

4.5 Deviation from Standards

None.

4.6 Abnormalities from Standard Conditions

None.

4.7 Other Information Requested by the Customer

None.

5 Requirements

Test Methodology:

The tests documented in this report were performed in accordance with FCC CFR Title 47 Part 1 §1.1307, FCC CFR Title 47 Part 1 §1.1310, FCC CFR Title 47 Part 2 §2.1091 and KDB 680106 D01 Wireless Power Transfer v04

Limit:

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

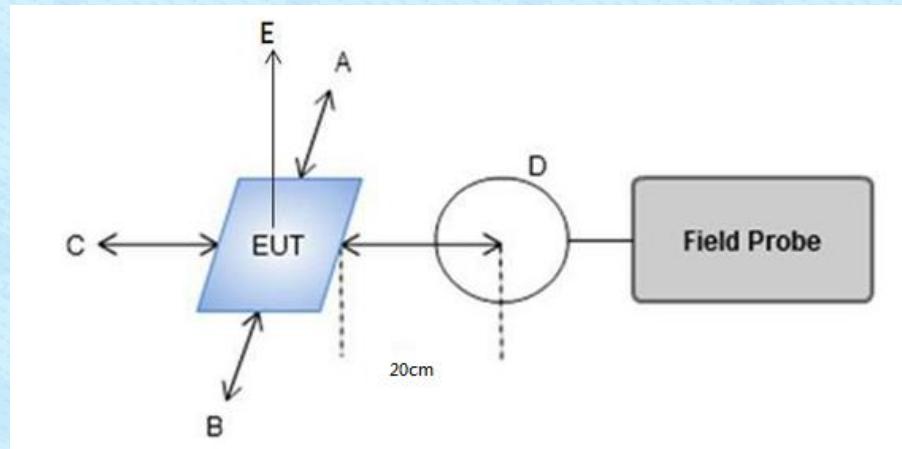
| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (i) Limits for Occupational/Controlled Exposure | | | | |
| 0.3-3.0 | 614 | 1.63 | *(100) | ≤6 |
| 3.0-30 | 1842/f | 4.89/f | *(900/f ²) | <6 |
| 30-300 | 61.4 | 0.163 | 1.0 | <6 |
| 300-1,500 | | | f/300 | <6 |
| 1,500-100,000 | | | 5 | <6 |
| (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 ²) | <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.

Method Of Measurement:

- a) The RF exposure test was performed in shielded chamber.
- b) The geometric centre of probe was placed at 20 cm test distance surrounding the device and 20 cm above the top surface.
- c) The measurement probe used 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 680106 D01 RF Exposure Wireless Charging App v03r01.

Test Setup:



Note: Position A: Front of EUT; Position B: Left of EUT; Position C: back of EUT; Position D: Right of EUT; Position E: Top of EUT(20 cm measure distance)

Equipment Approval Considerations:

The EUT comply with 680106 D01 Wireless Power Transfer v04.

1. Power transfer frequency is less than 1 MHz.

Yes, the device operated in the frequency range from 110kHz to 205kHz.

2. Output power from each primary coil is less than or equal to 15 Watts.

Yes, The maximum output power of mobile phone Charging Port is 15 watts, others are 5 watts and 2.5 watts.

3. 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, four primary coils can work at the same time to charge three clients.

4. Client device is placed directly in contact with the transmitter.

Yes, Client device is placed directly in contact with the transmitter.

5. Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

Yes, The EUT is a mobile device.

6. 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's field strength levels are less than 50% of the MPE limit.

Measuring Instrument Used:

| Description | Brand | Model No. | Frequency Range | Calibrated Until |
|-----------------------|-----------|-----------|-----------------|------------------|
| Broadband Field Meter | NARDA | NBM-550 | — | Jan. 01, 2026 |
| Magnetic Field Meter | NARDA | ELT-400 | 1–400kHz | Jan. 01, 2026 |
| Magnetic Probe | NARDA | HF-3061 | 300kHz–30MHz | Jan. 01, 2026 |
| Magnetic Probe | NARDA | HF-0191 | 27–1000MHz | Jan. 01, 2026 |
| Broadband Field Meter | NARDA | NBM-550 | — | Jan. 01, 2026 |
| Electric Field Meter | COMBINOVA | EFM 200 | 5Hz–400kHz | Jan. 01, 2026 |
| E-Field Probe | NARDA | EF-0391 | 100kHz–3GHz | Jan. 01, 2026 |
| E-Field Probe | NARDA | EF-6091 | 100MHz–60GHz | Jan. 01, 2026 |

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

H Field Strength Test Result:

| NO. | TEST MODE DESCRIPTION |
|-----|---|
| 1 | ANT 1(Phone coil) + Full load |
| 2 | ANT 1(Phone coil) + Half load |
| 3 | ANT 1(Phone coil) + Null load |
| 4 | ANT 2(Earphone coil) + Full load (battery station 99%) |
| 5 | ANT 2(Earphone coil) + Half load (battery station 50%) |
| 6 | ANT 2(Earphone coil) + Null load (battery station 1%) |
| 7 | ANT 3(Watch coil) + Full load (battery station 99%) |
| 8 | ANT 3(Watch coil) + Half load (battery station 50%) |
| 9 | ANT 3(Watch coil) + Null load (battery station 1%) |
| 10 | ANT 1(Phone coil) + ANT 2(Earphone coil) + ANT 3(Watch coil) + Full load (15W + battery station 99%) |
| 11 | ANT 1(Phone coil) + ANT 2(Earphone coil) + ANT 3(Watch coil) + Half load (5W + battery station 50%) |
| 12 | ANT 1(Phone coil) + ANT 2(Earphone coil) + ANT 3(Watch coil) + Null load (0W + battery station 1%) |

Note:

The mode 10 was the worst case and only the data of the worst case record in this report.

RESULT OF MAXIMUM PERMISSIBLE EXPOSURE

For Mode 1: ANT 1(Phone coil) + Full load:

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.19 | 0.18 | 0.2 | 0.16 | 0.18 | / | / |
| A/m | 0.15 | 0.14 | 0.16 | 0.13 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 2: ANT 1(Phone coil) + Half load:

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.17 | 0.19 | 0.19 | 0.18 | 0.19 | / | / |
| A/m | 0.14 | 0.15 | 0.15 | 0.14 | 0.15 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 3: ANT 1(Phone coil) + Null load:

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.16 | 0.2 | 0.17 | 0.18 | 0.19 | / | / |
| A/m | 0.13 | 0.16 | 0.14 | 0.14 | 0.15 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 4: ANT 2(Earphone coil) + Full load (battery station 99%):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.18 | 0.19 | 0.19 | 0.21 | 0.18 | / | / |
| A/m | 0.14 | 0.15 | 0.15 | 0.17 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 5: ANT 2(Earphone coil) + Half load (battery station 50%):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.17 | 0.19 | 0.18 | 0.2 | 0.17 | / | / |
| A/m | 0.14 | 0.15 | 0.14 | 0.16 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 6: ANT 2(Earphone coil) + Null load (battery station 1%):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.19 | 0.16 | 0.17 | 0.19 | 0.18 | / | / |
| A/m | 0.15 | 0.13 | 0.14 | 0.15 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 7: ANT 3(Watch coil) + Full load (battery station 99%):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.18 | 0.19 | 0.2 | 0.19 | 0.17 | / | / |
| A/m | 0.14 | 0.15 | 0.16 | 0.15 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 8: ANT 3(Watch coil) + Half load (battery station 50%):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.19 | 0.18 | 0.17 | 0.16 | 0.17 | / | / |
| A/m | 0.15 | 0.14 | 0.14 | 0.13 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

For Mode 9: ANT 3(Watch coil) + Null load (battery station 1%):

H-Filed Strength at 20 cm surrounding the device and 20 cm above the top surface (A/m)

| Filed Strength | Test Position A | Test Position B | Test Position C | Test Position D | Test Position E | Reference Limit (A/m) | Limits Test (A/m) |
|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------------|-------------------|
| uT | 0.16 | 0.17 | 0.19 | 0.17 | 0.17 | / | / |
| A/m | 0.13 | 0.14 | 0.15 | 0.14 | 0.14 | 0.815 | 1.63 |

Note: Calculation: A/m=uT/1.25

Note: ANT1/LIMIT+ANT2/LIMIT+ANT3/LIMIT = 0.16/0.815+0.17/0.815+0.16/0.815 =0.60 \leq 1

6 Test Setup Photo

Reference to the **appendix I** for details.

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