Report No.: GTSL2025040086F03

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:	Desktop 5-in-1 wireless charger
Model No.:	T30S
Trade Mark:	N/A
FCC ID:	2A4FX-T30S
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:	Mar. 24, 2025
Date of Test:	Mar. 24, 2025 to Mar. 29, 2025
Date of report issued:	Mar. 31, 2025
Test Result :	PASS *

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

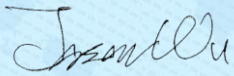
Authorized Signature:

深圳市环球众一科技有限公司 Global United Technology Services Co., Ltd. 检验检测专用章 Inspection&Testing Services

Robinson Luo
Laboratory Manager

2 Version

Version No.	Date	Description
00	*Mar. 31, 2025*	*Original*

Prepared By:  ***Date:*** *Mar. 31, 2025*

Project Engineer

Check By:  ***Date:*** *Mar. 31, 2025*

Reviewer

3 Contents

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4 General Information

4.1 General Description of EUT

Product Name:	Desktop 5-in-1 wireless charger
Model No.:	T30S
Serial No.:	N/A
Test sample(s) ID:	GTSL2025040086-1
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)

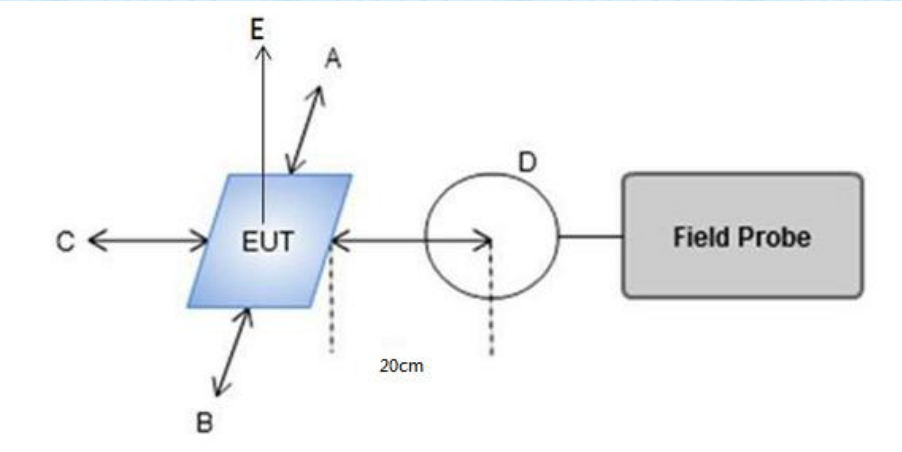
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(i) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*(100)	≤6
3.0-30	1842/f	4.89/f	*($900/f^2$)	<6
30-300	61.4	0.163	1.0	<6
300-1,500			f/300	<6
1,500-100,000			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	0.18	0.19	0.21	0.17	0.18	/	/
A/m	0.14	0.15	0.17	0.14	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	0.18	0.19	0.17	0.19	0.16	/	/
A/m	0.14	0.15	0.14	0.15	0.13	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	0.19	0.17	0.19	0.16	0.17	/	/
A/m	0.15	0.14	0.15	0.13	0.14	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	0.19	0.17	0.21	0.16	0.18	/	/
A/m	0.15	0.14	0.17	0.13	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	0.19	0.16	0.17	0.15	0.18	/	/
A/m	0.15	0.13	0.14	0.12	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	0.16	0.19	0.17	0.19	0.17	/	/
A/m	0.13	0.15	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	0.22	0.19	0.17	0.17	/	/
A/m	0.14	0.18	0.15	0.14	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	0.18	0.19	0.18	0.17	0.18	/	/
A/m	0.14	0.15	0.14	0.14	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	0.17	0.17	0.16	0.18	0.19	/	/
A/m	0.14	0.14	0.13	0.14	0.15	0.815	1.63

Note: Calculation: A/m=uT/1.25

Note: ANT1/LIMIT+ANT2/LIMIT+ANT3/LIMIT = 0.17/0.815+0.17/0.815+0.18/0.815 =0.64≦1

6 Test Setup Photo

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

------End------