



RF Exposure Evaluation Report

Application No.: DNT2604091316R02430-03032
Applicant: SILVERWIZ LLC dba TWRAPS
Address of Applicant: 535 Tananger Heights Ln, Pleasant Hill, CA, 94523 USA.
EUT Description: WIRELESS CHARGER
Model No.: W268
Additional Model(s): /
FCC ID: 2BD5I-W268
Power supply: DC 12V From Adapter Input AC 120V/60Hz
Trade Mark: TWRAPS
Standards: FCC CFR 47 Part 1.1307(b)&1.1310
KDB 680106 D01 Wireless Power Transfer v04
Date of Receipt: 2026/04/09
Date of Test: 2026/04/10 to 2026/04/20
Date of Issue: 2026/04/20
Test Result: **PASS ***

Prepared By: Carl Lin (Testing Engineer)

Reviewed By: Wayne Lin (Project Engineer)

Approved By: Heise Shan (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	April 20, 2026	Valid	Original Report



Test Summary

No.	Description of Test Item	FCC Standard Section	Results
1	Maximum Permissible Exposure	Part 1.1307(b)&1.1310	PASS



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2.5 TEST RESULT FOR TEST SETUP A: 10



1 General Information

1.1 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfu Road, Wusha Liwu, Chang ' an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

1.2 General Description of EUT

Manufacturer:	SILVERWIZ LLC dba TWRAPS
Address of Manufacturer:	535 Tananger Heights Ln, Pleasant Hill, CA, 94523 USA.
Test EUT Description:	WIRELESS CHARGER
Model No.:	W268
Additional Model(s):	/
Chip Type:	BQT116
Serial number:	PR2604091316R02430
Power Supply:	DC 12V From Adapter Input AC 120V/60Hz
Output Max Wireless Charge Power:	5W,7.5W,10W,15W,25W(MAX)
Trade Mark:	TWRAPS
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	110.5-205KHz,360KHz;
Modulation Technique:	ASK
Sample Type:	☐ Portable Device, ☐ Module, ☒ Mobile Device
Antenna Type:	Copper inducted coil
Remark:	*Since the above data and/or information is provided by the applicant relevant results or conclusions of this report are only made for these data and/or information , DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.



1.3 Test Facility

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

Lab A:

• **FCC, USA**

Designation Number: CN1348

• **A2LA (Certificate No. 7050.01)**

DONGGUAN DN TESTING CO., LTD. is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 7050.01.

• **Innovation, Science and Economic Development Canada**

DONGGUAN DN TESTING CO., LTD. EMC Laboratory has been recognized by ISED as an accredited testing laboratory. CAB identifier is CN0149.

IC#: 30755.

1.4 Test Mode

Operating Environment:	
Temperature:	20~25.0 °C
Humidity:	45~56 % RH
Atmospheric Pressure:	101.0~101.30 KPa
Test mode:	
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.

Test Item	Test Mode
Maximum Permissible Exposure	Wireless Charging 5W
	Wireless Charging 7.5W
	Wireless Charging 10W
	Wireless Charging 15W
	Wireless Charging 25W
Note: The worst Full Load status is recorded in the report	

Note: The Wireless Charging with 25W and Wireless Charging with 10W Charging is worst case, only the worst case will be recorded in the report.



1.5 Test Equipment List

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Electric and Magnetic Field Probe-Analyzer	Nearda	NBM550	B-0264	2025-10-21	2026-10-20
Electric and Magnetic Field Probe-Analyzer	Nearda	EF0391	A-1131	2025-10-21	2026-10-20

1.6 Assistant equipment used for test

Code	Equipment	Manufacturer	Model No.	Equipment No.
1	DC Adapter	UGREEN	X757	NA
2	Wireless Load	YBZ	V3.1	NA

1.7 Measurement Uncertainty (95% confidence levels, k=2)

Magnetic field

When the confidence level is 95%, the coverage factor $k = 2$, and the expanded uncertainty $U = k u(B) = 2 \times u(B) = 66.796 \text{ nT}$.

Points	average value $\bar{x}$, nT	Class A standard uncertainty $u_a(B)$, nT	Class B standard uncertainty $u_b(B)$, nT	Synthetic uncertainty $u(B)$, nT
Test point 1	630.15	0.559	33.393	33.398
Expansion of uncertainty : 66.796				

Electric field

When the confidence level is set at 95%, with the inclusion factor $k = 2$, the expanded uncertainty $U = k u(E) = 2 \times u(E) = 25.63 \text{ V/m}$.

Points	average value $\bar{x}$, V/m	Class A standard uncertainty $u_a(E)$, V/m	Class B standard uncertainty $u_b(E)$, V/m	Synthetic uncertainty $u(E)$, V/m
Test point 1	220.31	0.023	12.815	12.815
Expansion of uncertainty : 25.63				



2 Maximum Permissible Exposure

2.1 Limit

Limits for Maximum Permissible Exposure (MPE)

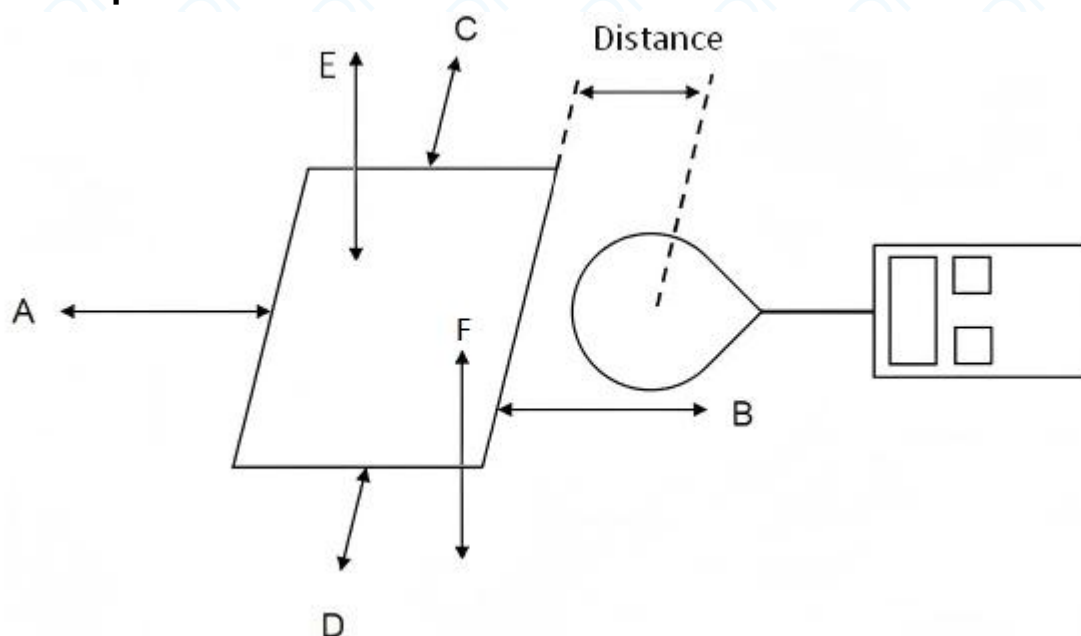
Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	*100	6
3.0-30	1842/f	4.89/f	*900/f ²	6
30-300	61.4	0.163	1.0	6
300-1,500	/	/	f/300	6
1,500-100,000	/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

Note:

1. f = frequency in MHz * = Plane-wave equivalent power density.
2. For devices designed for typical desktop applications, such as wireless charging pads, RF exposure evaluation should be conducted assuming a user separation distance of 20 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 20 cm measured from the center of the probe(s) to the edge of the device. 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.



2.2 Test Setup A



2.3 Test Procedure

- The test was performed on 360 degree turn table in anechoic chamber.
- The probe was placed at 20 cm surrounding the device and 20 cm above the top of the charger and the geometric centre of the probe, for test setup A.
-
- The highest emission level was recorded and compared with limit as soon as measurement of each point; A, B, C, D, E were completed.



2.4 Test Result for Test setup A:

Wireless Charging 10W

E-field strength	
Frequency range (KHz)	125.1KHz
Test Mode	10W Charging
Position A(V/m)	0.925
Position B(V/m)	0.987
Position C(V/m)	1.247
Position D(V/m)	1.224
Position E(V/m)	3.658
Position F(V/m)	2.547
Limits (V/m)	614
50% Limits(V/m)	307

H-field strength	
Frequency range (KHz)	125.1KHz
Test Mode	10W Charging
Position A(A/m)	0.087
Position B(A/m)	0.108
Position C(A/m)	0.094
Position D(A/m)	0.096
Position E(A/m)	0.152
Position F(V/m)	0.084
Limits (A/m)	1.630
50% Limits (A/m)	0.815



Wireless Charging 25W

E-field strength	
Frequency range (KHz)	360KHz
Test Mode	25W Charging
Position A(V/m)	0.987
Position B(V/m)	0.915
Position C(V/m)	1.541
Position D(V/m)	1.358
Position E(V/m)	3.854
Position F(V/m)	0.957
Limits (V/m)	614
50% Limits(V/m)	307

H-field strength	
Frequency range (KHz)	360KHz
Test Mode	25W Charging
Position A(A/m)	0.084
Position B(A/m)	0.087
Position C(A/m)	0.085
Position D(A/m)	0.058
Position E(A/m)	0.084
Position F(A/m)	0.047
Limits (A/m)	1.630
50% Limits (A/m)	0.815

---END REPORT---