



RF EXPOSURE REPORT

Applicant	:	NSV India Pvt Ltd
Address	:	Khasra No 1173 And 1174 Phase Vii Udyog Vihar Sector-34, Behrampur Road Behind Haryana Roadways Workshop, GURGAON, HARYANA, - 122004
Manufacturer	:	Yulin Tech
Address	:	ROOM 504, 5F, G ZONE HUA'AN ROAD NO.8, ZHONGKAI HIGH-TECH ZONE, HUIZHOU, GUANGDONG PROVINCE, CHINA, 516006.
Equipment under Test	:	Wireless Charger
Model No.	:	B83426VAAB
FCC ID	:	2BLO2PY1B
Report No.	:	DDT-B24071007-2E02
Issue Date	:	Oct. 23, 2024
Issued By	:	Tianjin Dongdian Testing Service Co., Ltd.
Address	:	Building D-1, No. 19, Wensi Road, Microelectronics Industrial Park, Development Area, Tianjin, China. Tel: +86-022-58038033, E-mail: ddt@dgddt.com, http://www.ddttest.com



REPORT

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TEST REPORT DECLARE

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Equipment	:	Wireless Charger
Model No.	:	B83426VAAB
Trade Mark	:	N/A
Manufacturer	:	Yulin Tech
Address	:	ROOM 504, 5F, G ZONE HUA'AN ROAD NO.8, ZHONGKAI HIGH-TECH ZONE, HUIZHOU, GUANGDONG PROVINCE, CHINA, 516006.

Assess Standard Used: FCC CFR 47 part1, 1.1307(b), 1.1310; KDB680106 D01v04

We Declare:

The equipment described above is assessed by Tianjin Dongdian Testing Service Co., Ltd and in the configuration assessed the equipment complied with the standards specified above. The assessed results are contained in this report and Tianjin Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these assess.

After evaluation, our opinion is that the equipment is In Accordance with above standard.

Report No:	DDT-B24071007-2E02		
Date of Receipt:	Oct. 09, 2024	Date of Test:	Oct. 12, 2024

Prepared By:

Novak Wei

Novak Wei/Engineer

Approved By:

Aaron Zhang

Aaron Zhang/Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Tianjin Dongdian Testing Service Co., Ltd.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Revision history

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Oct. 23, 2024	

1. General information

1.1. Description of Equipment

EUT* Name	:	Wireless Charger
Model Number	:	B83426VAAB
EUT function description	:	Please refer to user manual of this device
Power supply	:	DC 12V Output Power: 15W (Max)
Wireless charging Operation frequency	:	130 kHz
Hardware Version	:	N/A
Firmware Version	:	N/A
Antenna Type	:	Inductive loop coil antenna
Sample Number	:	N/A

Note: EUT is the ab. of equipment under test.

1.2. Assistant equipment used for test

Description of Accessories	Manufacturer	Model number	Serial No.	Other
N/A	N/A	N/A	N/A	N/A

1.3. Assess laboratory

Tianjin Dongdian Testing Service Co., Ltd.

Address: Building D-1, No. 19, Weisi Road, Microelectronics Industrial Park Development Area, Tianjin, China.

Tel: +86-22-58038033, <http://www.ddttest.com>, Email: ddt@dgddt.com

NVLAP (National Voluntary Laboratory Accreditation Program) CODE: 500036-0

CNAS (China National Accreditation Service for Conformity Assessment) CODE: L13402

FCC Designation Number: CN5004; FCC Test Firm Registration Number: 368676

ISED (Innovation, Science and Economic Development Canada) Company Number: 27768

Conformity Assessment Body Identifier: CN0125

VCCI Facility Registration Number: C-20089, T-20093, R-20125, G-20122

2. Equipment used during test

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
Exposure Level Tester	Narda	ELT-400	M-0425	2024/07/01	1 Year
B-Field Probe	Narda	100 cm ² Probe	M-0440	2024/07/01	1 Year
Field Strength Meter	Wavecontrol	SMP2	20SN1419	2023/03/20	2 Year
Field Probe	Wavecontrol	WPF8	20WP041176	2023/03/20	2 Year

3. Method of measurement

3.1. Applicable Standard

According to §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to §1.1310 and §2.1091 RF exposure is calculated.

According KDB680106 D01v04r01: RF Exposure Wireless Charging Apps v04.

3.2. Test Procedure

- a) The RF exposure test was performed in shielded chamber.
- b) The measurement probe was placed at test distance which is between the edge of the charger and the measure point of probe.
- 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 point (A, B, C, D, E, Top, Bottom) were completed.
- e) The EUT were measured according to the dictates of KDB 680106D01v04.

3.3. Maximum Permissible Exposure

TABLE 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)
(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

f = frequency in MHz * = Plane-wave equivalent power density

3.4. E and H Field Strength

Test mode for wireless charger:

E-Filed Strength of the EUT (V/m), Output 15W.

Test Position	Probe Measure Result(V/m)				Limits Test (V/m)
	0 cm	2 cm	4 cm	6 cm	
A	1.78	1.56	1.08	0.71	614
B	1.36	1.17	0.82	0.56	614
C	1.17	0.93	0.77	0.43	614
D	2.93	2.43	1.88	1.08	614
Top	8.68	6.88	4.39	2.19	614

Note:

1. Due to installation limitations no tests from the underside of the charging device are required.
2. To avoid the ruler affecting the test results, remove the ruler after measuring the distance.

H-Filed Strength of the EUT (A/m), Output 15W.

Test Position	Probe Measure Result(A/m)				Limits Test (A/m)
	0 cm	2 cm	4 cm	6 cm	
A	0.39	0.31	0.22	0.19	1.63
B	0.31	0.24	0.19	0.19	1.63
C	0.28	0.25	0.20	0.18	1.63
D	0.37	0.28	0.20	0.18	1.63
Top	0.69	0.43	0.34	0.20	1.63

Note:

1. Due to installation limitations no tests from the underside of the charging device are required.
2. To avoid the ruler affecting the test results, remove the ruler after measuring the distance.

4. Test Setup Photo

Please refer to the appendix file

END OF REPORT