



Test Report No.:
FCC2023-0035-H

RF Exposure Report

EUT : **Oclean Wireless Charger**
MODEL : **WP02**
BRAND NAME : **Oclean**
APPLICANT : **Shenzhen Yunding Information
Technology Co., Ltd.**
Classification Of Test : **N/A**


CVC Testing Technology Co., Ltd.



CVC Testing Technology Co., Ltd.

Test Report No.: FCC2023-0035-H

Page 2 of 10

Applicant		Name: Shenzhen Yunding Information Technology Co., Ltd. Address: 28G, Building 3, Dachong Business Center(Phase 3), No.18, Dachong 1st Road, Dachong Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, China	
Manufacturer		Name: Shenzhen Yunding Information Technology Co., Ltd. Address: 28G, Building 3, Dachong Business Center(Phase 3), No.18, Dachong 1st Road, Dachong Community, Yuehai Street, Nanshan District, Shenzhen City, Guangdong Province, China	
Equipment Under Test		Product Name: Oclean Wireless Charger Model/Type: WP02 Brand Name: Oclean Serial NO.: N/A Sample NO.:4-1	
Date of Receipt.	2023.06.21	Date of Testing	2023.06.21~2023.09.12
Test Specification		Test Result	
47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01		PASS	
Evaluation of Test Result		The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC Issue Date: 2023.09.12	
Tested by:  Lu Wei Ji Name Signature		Tested by:  Xu Zhen Fei Name Signature	
		Approved by:  Chen Hua Wen Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



TABLE OF CONTENTS

RELEASE CONTROL RECORD	4
1 CERTIFICATION	5
1.1 GENERAL PRODUCT INFORMATION	5
2 GENERAL INFORMATION	6
2.1 DESCRIPTION OF SUPPORTED UNITS	6
2.2 LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3 TEST LOCATION	6
3 RF EXPOSURE TEST	7
3.1 TEST SPECIFICATIONS	7
3.2 LIMIT	7
3.3 EUT CONFIGURATION AND ENVIRONMENT DETAIL	7
3.4 TEST RESULTS	8
4 PHOTOGRAPHS OF TEST SETUP	9



RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2023-0035-H	Original release	2023.09.12



1 CERTIFICATION

1.1 GENERAL PRODUCT INFORMATION

PRODUCT	Oclean Wireless Charger
BRAND	Oclean
TEST MODEL	WP02
ADDITIONAL MODEL	N/A
FCC ID	2AN5D-WP02
POWER SUPPLY	DC 5V from USB host unit
MODULATION TYPE	ASK
OPERATING FREQUENCY	110KHz ~ 205KHz
ANTENNA TYPE	Coil Antenna
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	N/A
STANDARDS	47 CFR PART 1, Subpart I, Section 1.1310
	KDB 680106 D01
Remark: <ol style="list-style-type: none">For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.Please refer to the EUT photo document for detailed EUT photo (FCC2023-0035-E).	



2 GENERAL INFORMATION

2.1 DESCRIPTION OF SUPPORTED UNITS

The EUT has been tested with associated equipment below

Description	Manufacturer	Model No.	Serial No.
Oclean WiFi Smart Sonic Electric Toothbrush	Yunding	V8100	N/A

2.2 LIST OF TEST AND MEASUREMENT INSTRUMENTS

RF EXPOSURE Test				
Equipment	Model No.	Serial Number	Manufacturer	Cal. Due
Electromagnetic radiation tester	SEM-600	D-1437	STT	2024/04/29
Magnetic field tester	ELT-400	O-0459	Narda	2024/01/16
Electromagnetic radiation tester	EP-601	811ZX10337	Narda	2023/12/14

2.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

Address: No.3, TiantaiyiRoad, KaitaiAvenue, ScienceCity, Guangzhou, China

Post Code: 510663 Tel: 0755-23763060-8805

Fax: 0755-23763060 E-mail: sz-kf@cvc.org.cn

<http://www.cvc.org.cn>



3 RF EXPOSURE TEST

3.1 TEST SPECIFICATIONS

Test Requirement:	47 CFR PART 1, Subpart I, Section 1.1310 KDB 680106 D01
Measurement Distance:	15cm
Test voltage:	DC 5V from USB host unit

3.2 LIMIT

Limits of Test Standard 47 CFR PART 1, Subpart I, Section 1.1310

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 Exposures				
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
300-1500	/	/	f/300	6
1500-100.000	/	/	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
300-1500	/	/	f/1500	30
1500-100.000	/	/	1.0	30
F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).				

3.3 EUT CONFIGURATION AND ENVIRONMENT DETAIL

Operating Environment:

Temperature: 25.0°C Humidity: 52% RH Atmospheric Pressure: 1015 mbar



3.4 TEST RESULTS

RESULTS UNDER Test Standard 47 CFR PART 1, Subpart I, Section 1.1310

Electric Field Emissions

Test Mode: Wireless charging				
Test Position	Test Distance (cm)	Probe Measure Result (V/m)	Limit (V/m)	10% Limit(V/m)
Side 1	15	0.542	614	61.4
Side 2	15	0.562	614	61.4
Side 3	15	0.454	614	61.4
Side 4	15	0.480	614	61.4
Top	20	0.275	614	61.4
Bottom	15	0.322	614	61.4

NOTE: Since the product is exclusive to a specific product and only suitable for a specific specification, the top side test distance needs to be increased to 20cm

Magnetic Field Emissions

Test Mode: Wireless charging				
Test Position	Test Distance (cm)	Probe Measure Result (A/m)	Limit (A/m)	50%Limit(A/m)
Side 1	15	0.028	1.63	0.815
Side 2	15	0.028	1.63	0.815
Side 3	15	0.029	1.63	0.815
Side 4	15	0.028	1.63	0.815
Top	20	0.026	1.63	0.815
Bottom	15	0.025	1.63	0.815

NOTE: Since the product is exclusive to a specific product and only suitable for a specific specification, the top side test distance needs to be increased to 20cm.



4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Setup Photo).



Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

Address of the laboratory:

CVC Testing Technology Co., Ltd.

Address: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, China

Post Code: 510663

Tel: 020-32293888

FAX: 020-32293889

E-mail: office@cvc.org.cn