



TEST REPORT

Reference No..... : WTF24F02028421W002
FCC ID : 2AWIY002
Applicant..... : ORALUCENT Inc
Address..... : 156 Granada Avenue Long Beach California USA 90803
Manufacturer : The same as above
Address..... : The same as above
Product Name..... : Oralucen Phototherapy Toothbrush
Model No..... : Model 2
Test specification..... : FCC CFR47 Part 2 (Section 2.1093)
Date of Receipt sample : 2024-02-20
Date of Test : 2024-02-21 to 2024-04-07
Date of Issue..... : 2024-04-17
Test Report Form No. : WEW-1093A-01B
Test Result..... : **Pass**

Remarks:

The 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 approver.

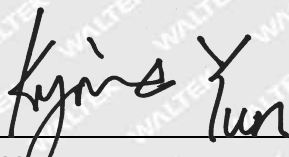
Prepared By:

Waltek Testing Group (Foshan) Co., Ltd.

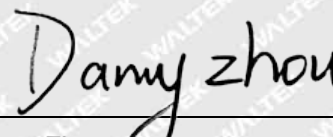
Address: 1/F., Building 19, Sunlink Machinery City, Xingye 4 Road,
Guanglong Industrial Park, Chihua Neighborhood Committee, Chencun Town,
Shunde District, Foshan, Guangdong, China

Tel:+86-757-23811398 Fax:+86-757-23811381 E-mail:info@waltek.com.cn

Tested by:


Kyrie Yun

Approved by:


Danny Zhou



1 Revision History

Test Report No.	Date of Issue	Description	Status
WTF24F02028421W002	2024-04-17	Original	Valid

WALTEK



2 Contents

	Page
1 REVISION HISTORY.....	2
2 CONTENTS.....	3
3 GENERAL INFORMATION.....	4
3.1 GENERAL DESCRIPTION OF E.U.T.....	4
3.2 TECHNICAL CHARACTERISTICS OF EUT.....	4
4 RF EXPOSURE EVALUATION.....	5
4.1 APPLICABLE STANDARD.....	5
4.2 CALCULATION RESULT.....	5

WALTEK



3 General Information

3.1 General Description of E.U.T

Product Name	: Oralucent Phototherapy Toothbrush
Model No.	: Model 2
Model Description	: ---
Rating	: Toothbrush: Battery: 3.7V Charging dock: DC 5V, 1000mA
Battery Capacity	: ---
Power Adapter	: AS0601A-0501000USU Input: 100-240V~, 50/60Hz, 0.2A Max Output: DC 5V, 1000mA

3.2 Technical Characteristics of EUT

Bluetooth Version	: V5.2 (BLE mode)
Frequency Range	: 2402-2480MHz
RF Output Power	: -10.660 dBm (Conducted)
Modulation	: GFSK
Data Rate	: 1Mbps
Quantity of Channels	: 40
Channel Separation	: 2MHz
Type of Antenna	: Ceramic Antenna
Antenna Gain	: -4.59dBi



4 RF Exposure Evaluation

4.1 Applicable Standard

According to the KDB 447498 D01 v07 and part 2.1093:

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

4.2 Calculation Result

Frequency (MHz)	Max. Output power (dBm)	Max. Tune-up power		Min. Separation Distance (mm)	Calculation Result	Limit
		(dBm)	(mW)			
2402	-10.66	-10	0.1000	5	0.0310	3

The exclusion thresholds is $0.0310 < 3$, so the transmitter complies with the RF exposure requirements and the SAR is not required.

=====End of Report=====