

Shummi Enterprise Co., Ltd.

TEST REPORT

REPORT NUMBER
201000052TWN-001

ISSUE DATE
Nov. 16, 2020

PAGES
6

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RF Exposure Evaluation Report

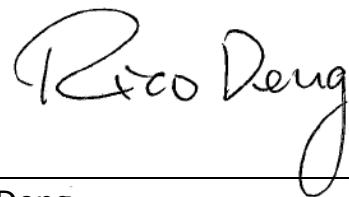
Applicant:	Shummi Enterprise Co., Ltd. 13F.-1, NO. 188, SEC. 5, NANJING E. RD., SONGSHAN DIST., TAIPEI CITY 105, TAIWAN
Product:	Electric Toothbrush
Model No.:	T0315
Brand Name:	Eaznuf
FCC ID:	2AXUW-VENUS01
Test Method/ Standard:	FCC 2.1093 KDB 447498
Test By:	Intertek Testing Services Taiwan Ltd., Hsinchu Laboratory No. 11, Lane 275, Ko-Nan 1 Street, Chia-Tung Li, Shiang-Shan District, Hsinchu City, Taiwan

Prepared and Checked by:



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Supervisor

TEST REPORT**Revision History**

Report No.	Issue Date	Revision Summary
201000052TWN-001	Nov. 16, 2020	Original report

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1. General Information**1.1 Identification of the EUT**

Product:	Electric Toothbrush
Model No.:	T0315
Operating Frequency:	2402 MHz ~ 2480 MHz
Channel Number:	40 channels
Rated Power:	1. DC 5V from USB port 2. DC 3.7V from battery
Power Cord:	N/A
Sample receiving date:	Sep. 21, 2020
Sample condition:	Workable
Test Date(s):	Sep. 21, 2020

1.2 Antenna description

Antenna Gain : -6.02 dBi
Antenna Type : Printed antenna
Connector Type : Fixed

1.3 Peripherals equipment

No.	Model no.	Specification
Adapter	AC-0330-TW	INPUT:100-240Vac, 150mA, 50-60Hz OUTPUT:5.0Vdc, 850mA

Peripherals	Brand	Model No.	Serial No.	Data cable
Notebook PC	HP	HP ProBook 440 G3	5CD8021S9H	Micro USB Cable 0.8 meter x 1

2. Test specifications

2.1 RF Exposure calculations

According to KDB 447498 D01 , Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

Clause 4.3: General SAR test reduction and exclusion guidance Sub , clause 4.3.1: Standalone SAR test exclusion considerations

a) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6GHz at test separation distance \leq 5 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})]*[\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR}$$

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation, mm})]*[\sqrt{f(\text{GHz})}] \leq 7.5.0 \text{ for 10-g SAR}$$

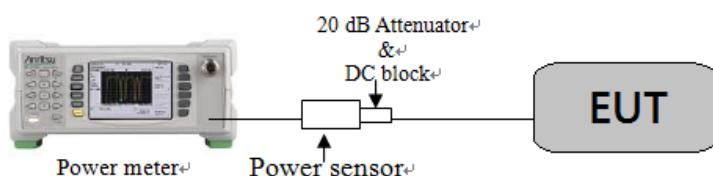
2.2 Operation mode

Connected to Notebook via USB To UART Cable, executing “BlueTool 1.9.5.2” and select different frequency and modulation.

2.3 Test equipment

Equipment	Brand	Model No.	Serial No.	Calibration Date	Next Calibration Date
Power Meter	Anritsu	ML2495A	0844001	2019/10/23	2020/10/21
Power Sensor	Anritsu	MA2411B	0738452	2019/10/23	2020/10/21

2.4 Test Set-up



3. Test results

Frequency (GHz)	Conducted Power (dBm)	Tune-up Tolerance	Distance (mm)	Max Power (dBm)	Max Power (mW)	Result	SAR Test Exclusion Threshold	Exempt from Test?
2.402~2.480	8.18	1	5	9.18	8.28	2.608	3.0	Yes