



FCC RF EXPOSURE REPORT

For

Eaton Voice Dimmer

MODEL NUMBER: WFAVD30

FCC ID: ZVAOH000027

REPORT NUMBER: 4790246663-3

ISSUE DATE: January 18, 2022

Prepared by

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Revision History

| Rev. | Issue Date | Revisions | Revised By |
|------|------------|---------------|------------|
| V0 | 01/18/2022 | Initial Issue | |

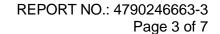




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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Tonly Technology Co., Ltd.

Address: Section 37, Zhongkai High-tech Development Zone, Huizhou City,

Guang Dong, China

Manufacturer Information

Company Name: Tonly Technology Co., Ltd.

Address: Section 37, Zhongkai High-tech Development Zone, Huizhou City,

Guang Dong, China

EUT Information

EUT Name: Eaton Voice Dimmer

Model: WFAVD30

Brand: /

Sample Received Date: December 30, 2021

Sample Status: Normal Sample ID: 4540551

Date of Tested: December 30, 2021 ~ January 15, 2022

| APPLICABLE STANDARDS | | | | |
|-----------------------|------|--|--|--|
| STANDARD TEST RESULTS | | | | |
| FCC 47CFR§2.1091 | PASS | | | |

| FCC 47CFR§2.1091 | PASS | |
|--------------------------------|---------------------------|------------|
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| (Applientino | | |

Stephen Guo

Laboratory Manager



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2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

3. FACILITIES AND ACCREDITATION

| | A2LA (Certificate No.: 4102.01) |
|---------------|---|
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| | has been assessed and proved to be in compliance with A2LA. |
| | FCC (FCC Designation No.: CN1187) |
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| | Has been recognized to perform compliance testing on equipment subject |
| | to the Commission's Delcaration of Conformity (DoC) and Certification rules |
| | ISED (Company No.: 21320) |
| Accreditation | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| Accreditation | has been registered and fully described in a report filed with ISED. |
| Certificate | The Company Number is 21320 and the test lab Conformity Assessment |
| | Body Identifier (CABID) is CN0046. |
| | VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011) |
| | UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. |
| | has been assessed and proved to be in compliance with VCCI, the |
| | Membership No. is 3793. |
| | Facility Name: |
| | Chamber D, the VCCI registration No. is G-20019 and R-20004 |
| | Shielding Room B, the VCCI registration No. is C-20012 and T-20011 |

Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.

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4. REQUIREMENT

LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR 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.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

RF EXPOSURE LIMIT

| Frequency Range (MHz) | E-field Strength (E) (V/m) | Magnetic Field Strength (H) (A/m) | Power Density (S) (mW/cm²) | Averaging Time E ², H ² or S (Minutes) |
|-----------------------------|----------------------------------|---|----------------------------------|--|
| 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 |

CALCULATION METHOD

 $S=PG/4\pi R^2$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

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CALCULATED RESULTS

| BLE Mode | | | | | |
|-----------|-----------------|--------------|--------------------|---------------------|----------------|
| Frequency | Output Power | Output Power | Power Density | Power Density Limit | Test Result |
| MHz | dBm | mW | mW/cm ² | mW/cm² | |
| 2402~2480 | 7 | 3.98 | 0.00157 | 1.0 | Complies |

| WIFI Mode | | | | | |
|-------------------------------------|-----|---------------|---------------------|--------------------|----------|
| Frequency Output Power Output Power | | Power Density | Power Density Limit | Test Result | |
| MHz | dBm | mW | mW/cm ² | mW/cm ² | |
| 2412~2462 | 18 | 63.10 | 0.02493 | 1.0 | Complies |

Note: 1. Antenna Gain=2.98 dBi (Numeric 1.98), π=3.141.

- 2. The Power comes from Operation Description.
- 3. The minimum separation distance of the device is greater than 20 cm.
- 4. Calculate by WORST-CASE mode.

END OF REPORT