

TEST REPORT

Product Name : Eye Massager
Model Number : CME10A, CME10B, CME10C, CME10D,
CME10E, CME10F, CME10G, CME10H,
CME10I, CME10J, CME10K, CME10L,
CME10M, CME10N, CME10O, CME10P,
CME10Q, CME10R, CME10S, CME10T, CME10U,
CME10V, CME10W, CME10X, CME10Y, CME10Z
FCC ID : 2ANDX-CME10X

Prepared for : Shenzhen Yolanda Technology Co., Ltd.
Address : Room 201, Jinfulai Building, No.49-1, Dabao Road, Dalang
Area, Xinan Street, Baoan, Shenzhen, China

Prepared by : EMTEK (DONGGUAN) CO., LTD.
Address : -1&2/F., Building 2, Zone A, Zhongda Marine Biotechnology
Research and Development Base, No.9, Xincheng Avenue,
Songshanhu High-technology Industrial Development Zone,
Dongguan, Guangdong, China

TEL: +86-0769-22807078
FAX: +86-0769-22807079

Report Number : EDG2306210136E00202R
Date(s) of Tests : June 21, 2023 to July 10, 2023
Date of issue : July 10, 2023

Table of Contents

| | |
|------------------------------------|---|
| 1. TEST RESULT CERTIFICATION | 3 |
| 2. EUT SPECIFICATION | 5 |
| 3. TEST REQUIREMENT | 6 |
| 4. MEASUREMENT RESULT | 7 |



1. TEST RESULT CERTIFICATION

Applicant : Shenzhen Yolanda Technology Co., Ltd.
 Address : Room 201, Jinfulai Building, No.49-1, Dabao Road, Dalang Area, Xinan Street, Baoan, Shenzhen, China
 Manufacturer : Shenzhen Yolanda Technology Co., Ltd.
 Address : Room 201, Jinfulai Building, No.49-1, Dabao Road, Dalang Area, Xinan Street, Baoan, Shenzhen, China
 EUT : Eye Massager
 Model Name : CME10A, CME10B, CME10C, CME10D, CME10E, CME10F, CME10G, CME10H, CME10I, CME10J, CME10K, CME10L, CME10M, CME10N, CME10O, CME10P, CME10Q, CME10R, CME10S, CME10T, CME10U, CME10V, CME10W, CME10X, CME10Y, CME10Z
 Trademark : N/A

Measurement Procedure Used:

| APPLICABLE STANDARDS | |
|-----------------------|-------------|
| STANDARD | TEST RESULT |
| § 15.247(i), § 2.1093 | PASS |

The above equipment was tested by EMTEK(DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : June 21, 2023 to July 10, 2023

Prepared by : Warren Deng

Warren Deng /Editor

Reviewer : Tim Dong

Tim Dong /Supervisor

Approve & Authorized Signer : 

Sam Lv /Manager



Modified History

| Version | Report No. | Revision Date | Summary |
|---------|----------------------|---------------|-----------------|
| | EDG2306210136E00202R | / | Original Report |
| | | | |
| | | | |



2. EUT Specification

| Characteristics | Description |
|---------------------------------------|--|
| Product: | Eye Massager |
| Model Number: | CME10A, CME10B, CME10C, CME10D, CME10E, CME10F, CME10G, CME10H, CME10I, CME10J, CME10K, CME10L, CME10M, CME10N, CME10O, CME10P, CME10Q, CME10R, CME10S, CME10T, CME10U, CME10V, CME10W, CME10X, CME10Y, CME10Z These models are the same except the model name and appearance, Here select CME10A for test. |
| Sample: | 1# |
| Device Type: | Bluetooth V5.0 |
| Data Rate: | BLE 2Mbps for GFSK modulation |
| Modulation: | GFSK |
| Operating Frequency Range(s) : | 2402-2480MHz |
| Number of Channels: | 40 channels |
| Transmit Power Max: | -0.9 dBm(0.000813 W) |
| Antenna Gain: | -0.58 dBi |
| Power supply: | DC5V from USB DC 3.7V from battery |
| Evaluation applied: | <input type="checkbox"/> MPE Evaluation <input checked="" type="checkbox"/> SAR Evaluation |

3. Test Requirement

RF EXPOSURE EVALUATION

According to 447498 D01 V06, 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.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁴ where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval. One antenna is available for the EUT. The minimum separation distance is 5mm.

4. Measurement Result

Antenna gain: -0.58 dBi

When a single module works, the measurement results are as follows:

| Transmit Frequency (MHz) | Rate | Mode | Measured Power (dBm) | Tune upPower (dBm) | Max tune up power (dBm) | Calculation Result | 1-g SAR |
|--------------------------|-------|------|----------------------|--------------------|-------------------------|--------------------|---------|
| 2402 | 2Mbps | GFSK | -1.1 | -2±1 | -1 | 0.2462161 | 3 |
| 2441 | 2Mbps | GFSK | -0.9 | -1±1 | 0 | 0.3124100 | 3 |
| 2480 | 2Mbps | GFSK | -1.25 | -2±1 | -1 | 0.2501819 | 3 |

According to KDB 447498 D01 V06, no stand-alone required for BLE antenna, and no simultaneous SAR measurement is required.

*** End of Report ***