FCC 47 CFR PART 15 SUBPART B

TEST REPORT

Shenzhen Margotan Tech Co.,Ltd.

Intelligent Eye Beauty Massager

Model No.: IF-1203

Prepared for : Shenzhen Margotan Tech Co.,Ltd.

Address : 406 Building B Rongchao Binhai Mansion, No.2021 Haixiu

Road, Bao'an District, Shenzhen, China

Prepared by : Guangzhou LCS Compliance Testing Laboratory Ltd.

Address : No 44-1, Qianfeng North Road, Shiqi town, Panyu District,

Guangzhou City, China

Tel : (+86) 020-39166689 Fax : (+86) 020-39166619 Web : www.LCS-cert.com

Mail : webmaster@LCS-cert.com

Date of receipt of test sample : November 22, 2018

Number of tested samples : 1

Serial number : Prototype

Date of Test : November 22, 2018 ~ November 27, 2018

Date of Report : December 3, 2018



FCC TEST REPORT FCC 47 CFR PART 15 SUBPART B

| Report Reference No:: | LCS181122001CE |
|------------------------------|---|
| Date Of Issue: | December 3, 2018 |
| Testing Laboratory Name: | Guangzhou LCS Compliance Testing Laboratory Ltd. |
| Address :: | No 44-1, Qianfeng North Road, Shiqi town, Panyu District, Guangzhou City, China |
| Testing Location/ Procedure: | Full application of Harmonised standards |
| | Partial application of Harmonised standards Other standard testing method |
| | |
| Applicant's Name: | Shenzhen Margotan Tech Co.,Ltd. |
| Address:: | 406 Building B Rongchao Binhai Mansion, No.2021 Haixiu Road, Bao'an District, Shenzhen, China |
| Test Specification | |
| Standard:: | FCC 47 CFR Part 15 Subpart B, ANSI C63.4 -2014 |
| Test Report Form No:: | GLCSEMC-1.0 |
| TRF Originator:: | Guangzhou LCS Compliance Testing Laboratory Ltd. |
| Master TRF: | Dated 2017-08 |

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Test Item Description.....: Intelligent Eye Beauty Massager

Trade Mark: N/A

Model/ Type Reference: IF-1203

Ratings.... : For Product: DC 5V, 0.5A

Result: Positive

Compiled by:

Supervised by:

ZiluJian

Lylian Li / File administrators

hybion li

Zilu Jian / Technique principal

And Yang Manager

Approved by:

FCC -- TEST REPORT

Test Report No.: LCS181122001CE

December 3, 2018

Date of issue

Type / Model....: IF-1203 EUT.....: Intelligent Eye Beauty Massager Applicant.....: : Shenzhen Margotan Tech Co.,Ltd. Address...... : 406 Building B Rongchao Binhai Mansion, No.2021 Haixiu Road, Bao'an District, Shenzhen, China Telephone.....: : / Fax.....: : / Manufacturer.....: Shenzhen Margotan Tech Co.,Ltd. Address.....: 406 Building B Rongchao Binhai Mansion, No.2021 Haixiu Road, Bao'an District, Shenzhen, China Telephone.....: : / Fax.....: : / Factory.....: Shenzhen Margotan Tech Co.,Ltd. Address.....: 406 Building B Rongchao Binhai Mansion, No.2021 Haixiu Road, Bao'an District, Shenzhen, China Telephone....:: / Fax.....: : /

Test Result according to the standards on page 6: **Positive**

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

| GUANGZHOU LCS COMPLIANCE TESTING LABORATORY LTD. | REPORT NO.: LCS181122001CE |
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Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------------|---------------|------------|
| 000 | December 3, 2018 | Initial Issue | Andy Yang |
| | | | |
| | | | |

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1. SUMMARY OF STANDARDS AND RESULTS

1.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

| EMISSION | | | | | | | | |
|--|------------------------------|---------|---------|--|--|--|--|--|
| Description of Test Item | Standard | Limits | Results | | | | | |
| Radiated disturbance | FCC 47 CFR Part 15 Subpart B | Class B | PASS | | | | | |
| Conducted disturbance at Antenna terminals | FCC 47 CFR Part 15 Subpart B | | N/A | | | | | |

N/A is an abbreviation for Not Applicable.

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT : Intelligent Eye Beauty Massager

Trade Mark : N/A

Model Number : IF-1203

Power Supply : For Product: DC 5V, 0.5A

EUT Clock Frequency : ≤15MHz

2.2. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

2.3. Measurement Uncertainty

| Test | Parameters | $\begin{array}{c} Expanded \\ uncertainty \ (U_{lab}) \end{array}$ | Expanded uncertainty (U _{cispr}) | |
|--|---|--|--|--|
| Conducted Emission | Level accuracy (9kHz to 150kHz) (150kHz to 30MHz) | ± 2.63 dB ± 2.35 dB | ± 4.0 dB ± 3.6 dB | |
| Power disturbance | Level accuracy (30MHz to 300MHz) | ± 2.90dB | ± 4.5 dB | |
| Electromagnetic Radiated Emission (3-loop) | Level accuracy (9kHz to 30MHz) | ± 3.60 dB | ± 2.63 dB | |
| Radiated Emission | Level accuracy (9kHz to 30MHz) | ± 3.68 dB | ± 2.63 dB | |
| Radiated Emission | Level accuracy (30MHz to 1000MHz) | ± 3.48 dB | ± 2.63 dB | |
| Radiated Emission | Level accuracy (above 1000MHz) | ± 3.90 dB | N/A | |
| Mains Harmonic | Voltage | ± 0.510% | N/A | |
| Voltage Fluctuations & Flicker | Voltage | ± 0.510% | N/A | |
| EMF | | ± 21.59% | N/A | |

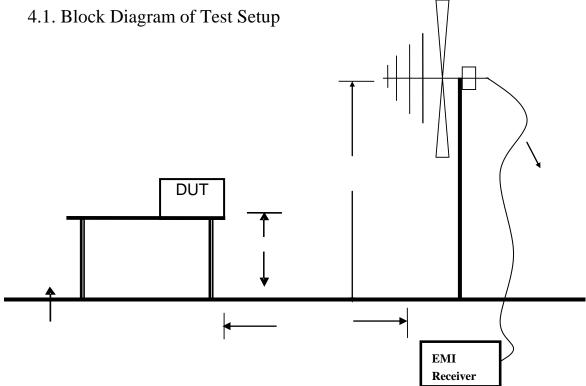
- (1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.
- (2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

3. MEASURING DEVICE AND TEST EQUIPMENT

3.1.Radiated Disturbance (Electric Field)

| Item | Test Equipment | Manufacturer | Model No. | Serial No. | Last Cal. |
|------|-----------------------------------|-----------------|------------|------------|------------|
| 1 | 3m Semi Anechoic Chamber | Mao Rui | / | / | 2018.01.04 |
| 2 | EMI Test Receiver | ROHDE & SCHWARZ | ESR 3 | 102311 | 2018.06.29 |
| 3 | Biconical Antenna | ROHDE & SCHWARZ | VHBB 9124 | 01015 | 2018.09.21 |
| 4 | Log Periodic Broadband Antenna | ROHDE & SCHWARZ | VULP 9118B | 873 | 2018.09.21 |
| 5 | EMI Test Software | Farad | EZ-EMC | / | / |

4. RADIATED EMISSION MEASUREMENT



4.2. Radiated Emission Limit (Class B)

Limits for radiated disturbance Blow 1GHz

| FREQUENCY | DISTANCE | FIELD STRENGTHS LIMIT | | |
|------------|----------|-----------------------|---------------|--|
| MHz | Meters | μV/m | $dB(\mu V)/m$ | |
| 30 ~ 88 | 3 | 100 | 40 | |
| 88 ~ 216 | 3 | 150 | 43.5 | |
| 216 ~ 960 | 3 | 200 | 46 | |
| 960 ~ 1000 | 3 | 500 | 54 | |

Remark : (1) Emission level (dB) μ V = 20 log Emission level μ V/m

- (2) The smaller limit shall apply at the cross point between two frequency bands.
- (3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3. EUT Configuration on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4. Operating Condition of EUT

- 3.5.1. Setup the EUT as shown in Section 3.2.
- 3.5.2.Let the EUT work in test mode (ON) and measure it.

4.5. Test Procedure

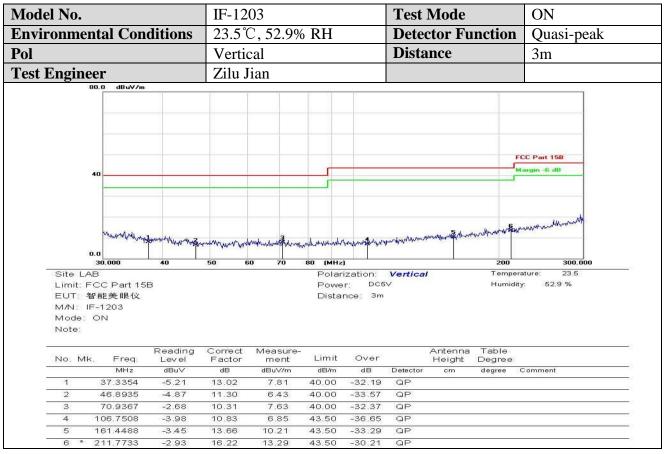
EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated by-log antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2009 on radiated emission measurement.

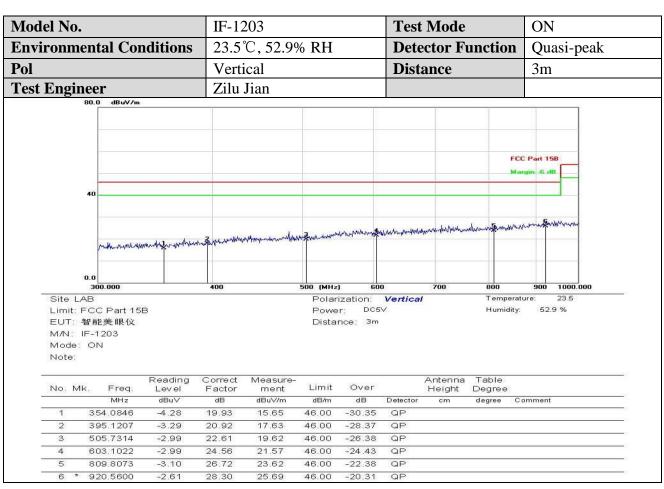
The bandwidth of the EMI test receiver is set at 120kHz, 1000kHz.

The frequency range from 30MHz to 1000MHz is checked.

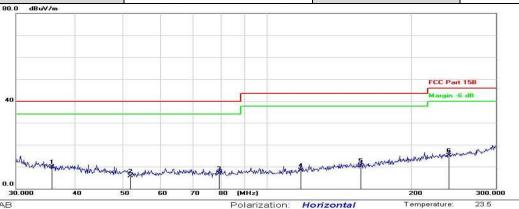
4.6. Radiated Emission Noise Measurement Result **PASS.**

The scanning waveforms please refer to the next page.





| Model No. | IF-1203 | Test Mode | ON | |
|---------------------------------|-----------------|--------------------------|------------|--|
| Environmental Conditions | 23.5℃, 52.9% RH | Detector Function | Quasi-peak | |
| Pol | Horizontal | Distance | 3m | |
| Test Engineer | Zilu Jian | | | |



Site LAB Limit: FCC Part 15B EUT: 智能美眼仪 M/N: IF-1203

DC5V Distance: 3m

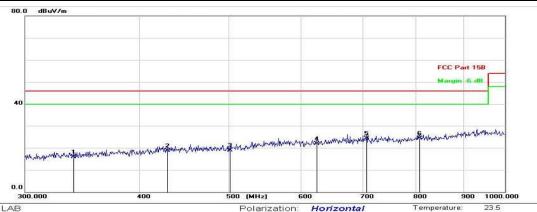
Power:

Humidity: 52.9 %

Mode: ON Note:

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Over | | Antenna Height | Table Degree | |
|-----|------|----------|------------------|-------------------|------------------|-------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBu∀ | dB | dBu∀/m | dB/m | dB | Detector | cm | degree | Comment |
| 1 | * | 35.6627 | -3.43 | 13.25 | 9.82 | 40.00 | -30.18 | QP | | | |
| 2 | | 51.9841 | -5.01 | 10.64 | 5.63 | 40.00 | -34.37 | QP | | | |
| 3 | | 79.3636 | -2.90 | 9.81 | 6.91 | 40.00 | -33.09 | QP | | | |
| 4 | 8 | 117.7257 | -3.14 | 11.39 | 8.25 | 43.50 | -35.25 | QP | | | |
| 5 | - 8 | 156.9897 | -2.87 | 13.47 | 10.60 | 43.50 | -32.90 | QP | | | |
| 6 | - 39 | 239 6067 | -2.24 | 17 // | 15.20 | 46.00 | -30.80 | OP | | | |

| Model No. | IF-1203 | Test Mode | ON |
|---------------------------------|-----------------|--------------------------|------------|
| Environmental Conditions | 23.5℃, 52.9% RH | Detector Function | Quasi-peak |
| Pol | Horizontal | Distance | 3m |
| Test Engineer | Zilu Jian | | |



Site LAB Limit: FCC Part 15B EUT: 智能美眼仪 M/N: IF-1203 Mode: ON

Note:

DC5V Power: Distance: 3m

52.9 % Humidity:

Reading Correct Factor Measure-Antenna Table Limit No. Mk. Degree Freq. Level ment Height MHz dBu√ dB dBuV/m dB/m dB Detector Comment degree 339.4558 -3.78 19.75 15.97 46.00 -30.03 QP 429.2178 21.80 18.72 2 -3.08 46.00 -27.28 QP 3 501.1853 -3.61 22.57 18.96 46.00 -27.04 QP 623.9755 -3.03 24.86 21.83 46.00 -24.17 QP 5 706.3481 -1 36 25.60 24 24 46.00 -21.76 QP 6 806.3720 -2.34 26.72 24.38 46.00 -21.62 QP

5. PHOTOGRAPH

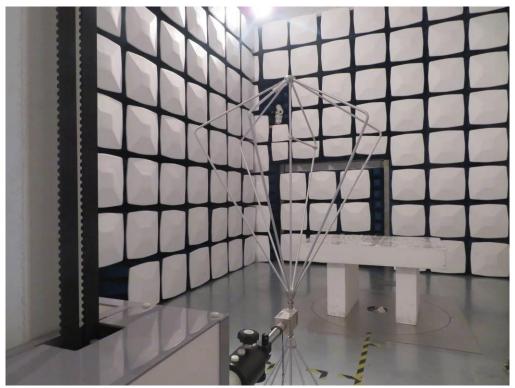


Fig.1

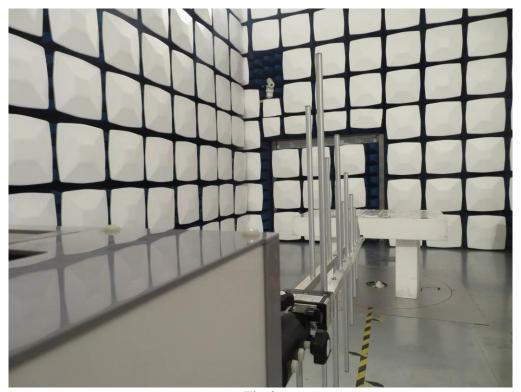


Fig.2

6. EXTERNAL AND INTERNAL PHOTOS OF THE EUT



Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6

-----THE END OF TEST REPORT-----